FCC Part 15.407

TEST REPORT

For

Renesas Design Korea Inc.

7th SiliconPark, 35 Pangyo-ro 255 beon-gil Bundang-gu, Seongnam-si, Gyeonggi-do, 13486

FCC ID: 2AU49-RRQ61051009

Report Type:	**Product Type:**
Original Report	RRQ61051 Module

Report Producer : Cedric Xu

Report Number : RLK250801005RF05

Report Date : 2026-01-23

Reviewed By: Rory Cheng

Prepared By: Bay Area Compliance Laboratories Corp.
(Linkou Laboratory)
No. 6, Wende 2Rd., Guishan Dist.,
Taoyuan City 33382, Taiwan (R.O.C.).
Tel: +886 (3) 3961072
Fax: +886 (3) 3961027
www.baclcorp.com.tw

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

Revision History

Revision	No.	Report Number	Issue Date	Description	Author/ Revised by
0.0	RLK250801005	RLK250801005RF05	2026-01-23	Original Report	Cedric Xu

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

TABLE OF CONTENTS

1 General Information 5

1.1 Product Description for Equipment under Test (EUT) 5
1.2 Objective 6
1.3 Test Methodology 6
1.4 Statement of Compliance 6
1.5 Measurement Uncertainty 7
1.6 Environmental Conditions 7
1.7 Test Facility 7

2 System Test Configuration 8

2.1 Description of Test Configuration 8
2.2 EUT Exercise Software 9
2.3 Equipment Modifications 10
2.4 Test Mode 10
2.5 Support Equipment List and Details 10
2.6 External Cable List and Details 10
2.7 Block Diagram of Test Setup 11
2.8 Duty Cycle 13

3 Summary of Test Results 18

4 Test Equipment List and Details 19

5 FCC §15.203 – Antenna Requirements 20

5.1 Applicable Standard 20
5.2 Antenna Information 20

6 FCC§15.207 – AC Line Conducted Emissions 21

6.1 Applicable Standard 21
6.2 EUT Setup 21
6.3 EMI Test Receiver Setup 22
6.4 Test Procedure 22
6.5 Factor & Over Limit Calculation 22
6.6 Test Results 23

7 FCC §15.209, §15.205, §15.407(b) – Spurious Emissions 25

7.1 Applicable Standard 25
7.2 EUT Setup 26
7.3 EMI Test Receiver & Spectrum Analyzer Setup 28
7.4 Test Procedure 28
7.5 Factor & Over Limit Calculation 28
7.6 Test Results 29

8 FCC §15.407(a)(e) – Emission Bandwidth And Occupied Bandwidth 89

8.1 Applicable Standard 89
8.2 Test Procedure 89
8.3 Test Results 91

9 FCC §15.407(a) – Maximum Output Power 145

9.1 Applicable Standard 145
9.2 Test Procedure 146

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

9.3 Test Results 147
10 FCC §15.407(a) – Power Spectral Density 151
10.1 Applicable Standard 151
10.2 Test Procedure 152
10.3 Test Results 153

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

1 General Information

1.1 Product Description for Equipment under Test (EUT)

Applicant	Renesas Design Korea Inc.
	7th SiliconPark, 35 Pangyo-ro 255 beon-gil Bundang-gu, Seongnam-si, Gyeonggi-do, 13486
Brand(Trade) Name	Renesas
Product (Equipment)	RRQ61051 Module
Main Model Name	RRQ61051-009
Series Model Name	RRQ61051-010
Model Differences	Different antenna interfaces
Frequency Range	IEEE 802.11a/n HT20/ac VHT20/ax HE20 Mode:5150 ~ 5250 MHz IEEE 802.11a/n HT20/ac VHT20/ax HE20 Mode:5250 ~ 5350 MHz IEEE 802.11a/n HT20/ac VHT20/ax HE20 Mode:5470 ~ 5725 MHz IEEE 802.11a/n HT20/ac VHT20/ax HE20 Mode:5725 ~ 5850 MHz
Maximum Conducted Average Output Power	5150-5250 MHz: 15.90 dBm 5250-5350 MHz: 16.96 dBm 5470-5725 MHz: 16.93 dBm 5725-5850 MHz: 14.83 dBm
Modulation Technique	IEEE 802.11a Mode: OFDM IEEE 802.11n HT20 Mode: OFDM IEEE 802.11ac VHT20 Mode: OFDM IEEE 802.11ax HE20 Mode: OFDMA
Power Operation (Voltage Range)	☐ AC 120V/60Hz ☐ Adapter ☐ By AC Power Cord ☐ PoE
	☐ DC Type ☐ Battery ☐ DC Power Supply ☐ External from USB Cable ☐ External DC Adapter
	☒ 3.3Vdc
Received Date	Aug 01, 2025
Date of Test	Oct. 20, 2025～Jan. 23, 2026

Note:

*All measurement and test data in this report was gathered from production sample serial number:

RLK250801005-01 & RLK250801005- 03(Assigned by BACL, Linkou Laboratory).

**802.11ax mode only support full RU

***This device cannot run both WIFI 2.4G and WIFI 5G simultaneously.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

1.2 Objective

This report is prepared on behalf of Renesas Design Korea Inc. in accordance with Part 2, Subpart J, Part 15, Subparts A, and E of the Federal Communication Commission's rules.

1.3 Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2020+Cor.1-2023, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.
KDB 789033 D02 General UNII Test Procedures New Rules v02r01

1.4 Statement of Compliance

Decision Rule: No, (The test results do not include MU judgment)

1. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory).
2. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.
3. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
4. The determination of the test results does not require consideration of the uncertainty of the measurement, unless the assessment is required by customer agreement, regulation or standard document specification.
5. Bay Area Compliance Laboratories Corp. (Linkou Laboratory) is not responsible for the authenticity of the information provided by the applicant that affects the test results.

1.5 Measurement Uncertainty

Parameter		Uncertainty
AC Mains		±2.98 (dB)
RF output power, conducted		±3.73 (dB)
Power Spectral Density, conducted		±0.65 (dBm)
Occupied Bandwidth		±0.09 (%)
Unwanted Emissions, conducted		±1.03 (dB)
Emissions, radiated	9kHz~30MHz	±3.20 (dB)
	30 MHz~1GHz	±3.30 (dB)
	1 GHz~18 GHz	±4.99 (dB)
	18 GHz~40 GHz	±4.52 (dB)
Temperature		±0.78 (℃)
Humidity		±0.04 (%)

Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

1.6 Environmental Conditions

Test Site	Test Date	Temperature (℃)	Relative Humidity (%)	Test Engineer
AC Line Conducted Emissions	2025/10/21	23.4	52	Cedric Xu
Radiation Spurious Emissions	2025/10/20 ~ 2026/01/23	16.5 ~ 24.5	47 ~ 63	Derek
Duty Cycle	2025/10/20 ~ 2026/01/20	21.7~24.5	41 ~ 57	Alan
Emission Bandwidth And Occupied Bandwidth	2025/10/20 ~ 2026/01/14	21.7~24.5	41 ~ 57	Alan
Maximum Output Power	2025/10/20 ~ 2026/01/20	21.7~24.5	41 ~ 57	Alan
Power Spectral Density	2025/10/20 ~ 2026/01/14	21.7~24.5	41 ~ 57	Alan

1.7 Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Linkou Laboratory) to collect test data is located on

☒ No.6, Wende 2Rd., Guishan Dist., Taoyuan City 33382, Taiwan (R.O.C.).

Bay Area Compliance Laboratories Corp. (Linkou Laboratory) is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 3546) and the FCC designation No.TW3546 under the Mutual Recognition Agreement (MRA) in FCC Test.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

2 System Test Configuration

2.1 Description of Test Configuration

For 5150 ~ 5250MHz

4 channels are provided for 802.11a, 802.11n (HT20) , 802.11ac (VHT20) , 802.11ax (HE20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	44	5220
40	5200	48	5240

802.11a/n20/ac20/ax20 mode Channel 36, 40, 48 were tested.

For 5250 ~ 5350MHz

4 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20) , 802.11ax (HE20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	60	5300
56	5280	64	5320

802.11a/n20/ac20/ax20 mode Channel 52, 60, 64 were tested.

For 5470 ~ 5725MHz

11 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20) , 802.11ax (HE20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	124	5620
104	5520	128	5640
108	5540	132	5660
112	5560	136	5680
116	5580	140	5700
120	5600	/	/

802.11a/n20/ac20/ax20 mode Channel 100, 116, 140 were tested.

For 5725 ~ 5825MHz:

5 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20) , 802.11ax (HE20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	161	5805
153	5765	165	5825
157	5785	/	/

802.11a/n20/ac20/ax20 mode Channel 149, 157, 165 were tested.

The system was configured for testing in engineering mode, which was provided by manufacturer.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

2.2 EUT Exercise Software

The software was used “TeraTerm5”.

UNII Band	Mode	Channel	Frequency (MHz)	Power setting
UNII-1	802.11a	36	5180	12
		40	5200	12
		48	5240	10
UNII-2A		52	5260	13
		60	5300	13
		64	5320	11
UNII-2C		100	5500	12
		116	5580	12
		136	5680	11
		140	5700	5
UNII-3		149	5745	10
		157	5785	12
		165	5825	12
UNII-1	802.11n HT20	36	5180	12
		40	5200	12
		48	5240	10
UNII-2A		52	5260	12
		60	5300	12
		64	5320	10
UNII-2C		100	5500	13
		116	5580	13
		136	5680	11
		140	5700	5
UNII-3		149	5745	10
		157	5785	12
		165	5825	12
UNII-1	802.11ac VHT20	36	5180	12
		40	5200	12
		48	5240	10
UNII-2A		52	5260	12
		60	5300	12
		64	5320	10
UNII-2C		100	5500	13
		116	5580	13
		136	5680	11
		140	5700	4
UNII-3		149	5745	10
		157	5785	12
		165	5825	12
UNII-1	802.11 ax HE20	36	5180	12

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

		40	5200	12
		48	5240	10
UNII-2A		52	5260	11
		60	5300	11
		64	5320	9
UNII-2C		100	5500	13
		116	5580	13
		136	5680	11
		140	5700	5
UNII-3		149	5745	10
		157	5785	12
		165	5825	12

The worst case data rates are as follows:

802.11a: 6Mbps

802.11n HT20: MCS0

802.11ac VHT20: MCS0

802.11ax HE20: MCS0

2.3 Equipment Modifications

No modification was made to the EUT.

2.4 Test Mode

Mode 1: Full System (model: RRQ61051-009) for all test item.

2.5 Support Equipment List and Details

No.	Description	Manufacturer	Model
1	Notebook (Lab provided)	DELL	E6410
2	Notebook (Lab provided)	Acer	N16Q1
3	Test Development Board (Customer provided)	RENESAS	EK-RQ61 565-11-C-0001 Ver 3.1
4	Daughter Board (Customer provided)	RENESAS	RRQ610x1 565-16-B
5	Antenna (Customer provided)	ARISTOTLE	RFA-27-H60-U-GB70

2.6 External Cable List and Details

No.	Description	Manufacturer	Model
1	USB-A to Type-C Cable (Customer provided)	VENTION	COZ
2	I-PEX to SMA Cable (Customer provided)	TAOGLAS	0.2m

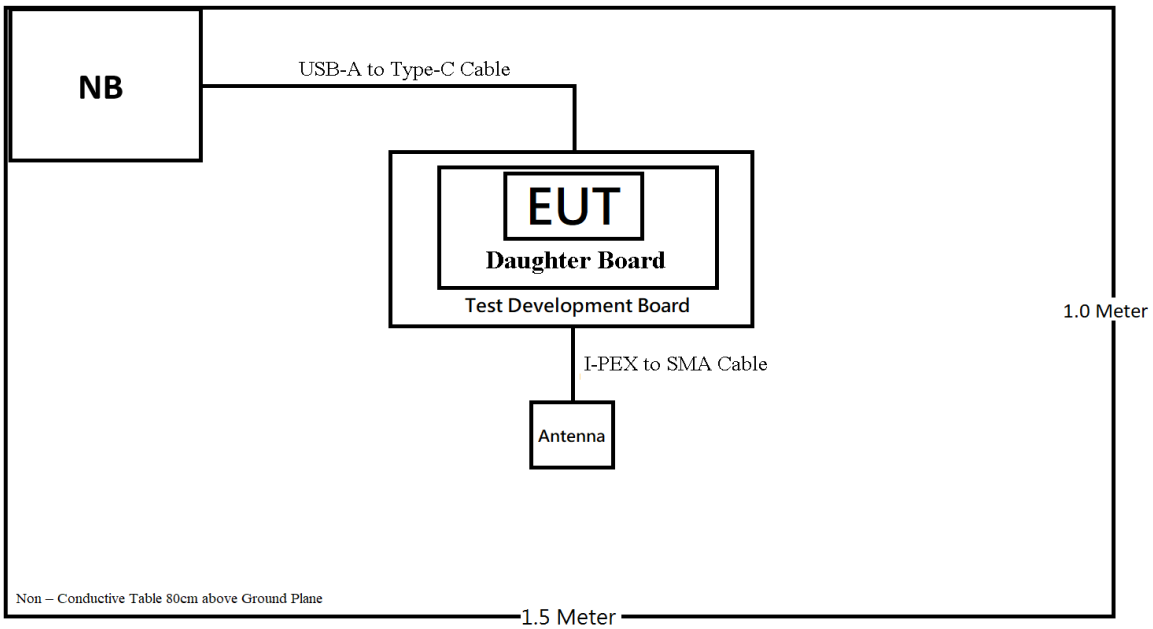
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

2.7 Block Diagram of Test Setup

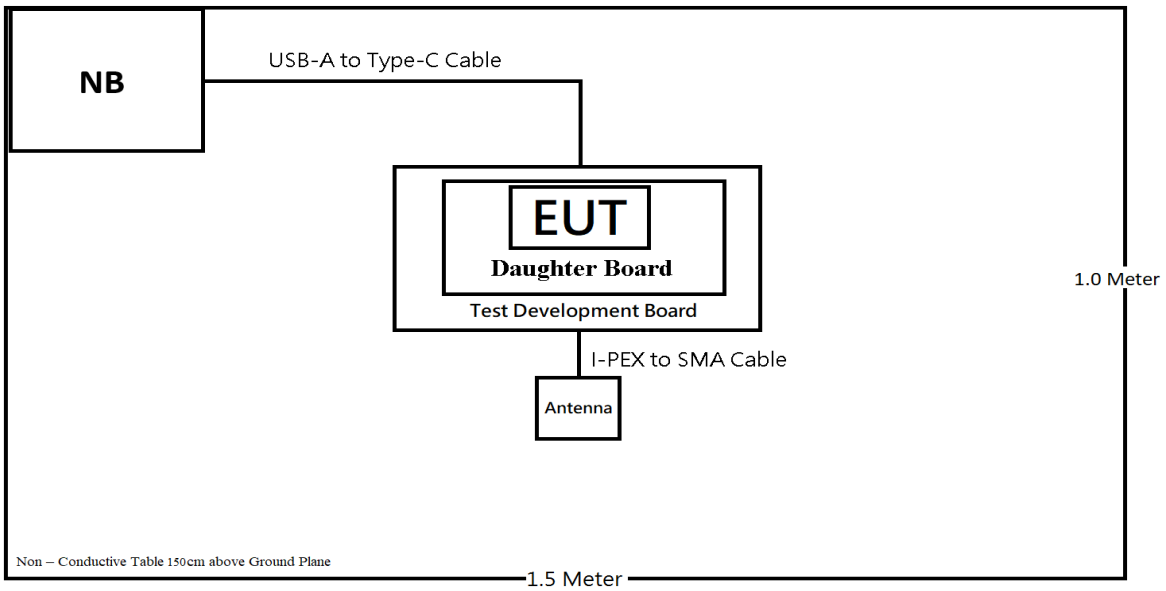
See test photographs attached in setup photos for the actual connections between EUT and support equipment.

Radiation:

Below 1GHz

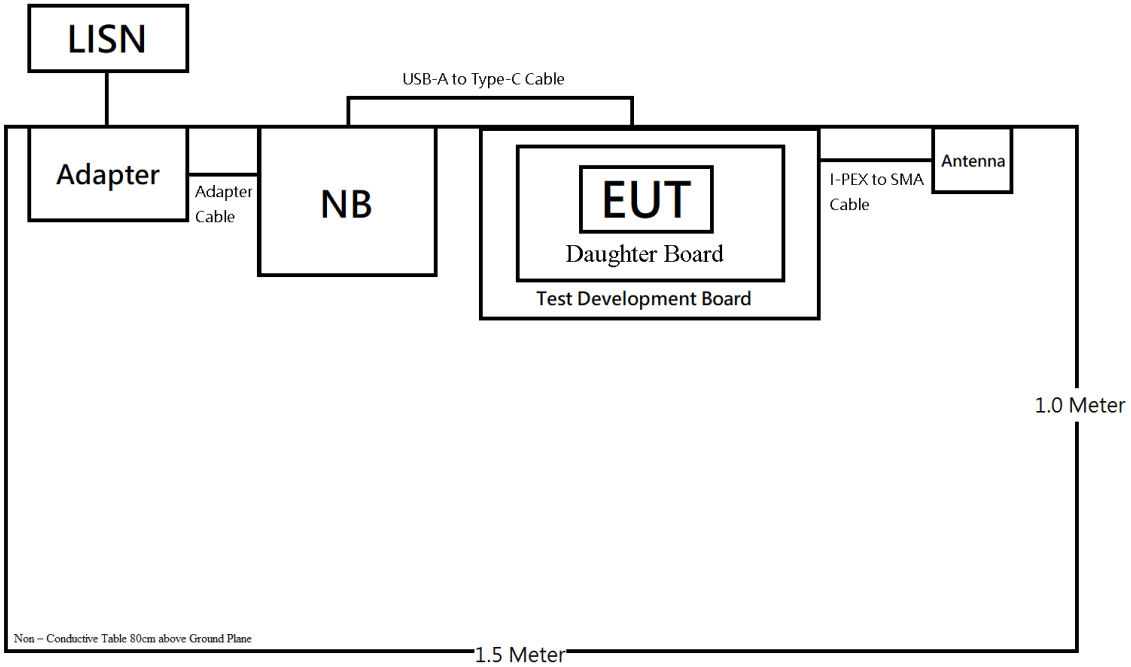


Above 1GHz:

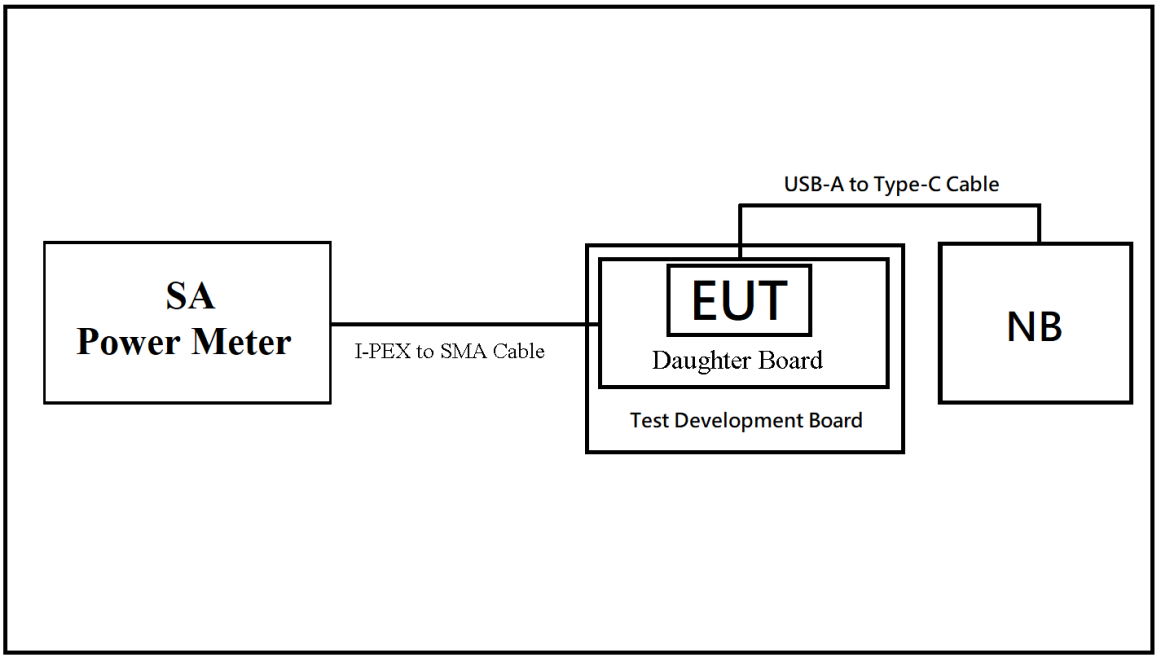


Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

Conduction:



Conducted:



Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

2.8 Duty Cycle

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01 section II.B:
All measurements are to be performed with the EUT transmitting at 100% duty cycle at its maximum power control level; however, if 100% duty cycle cannot be achieved, measurements of duty cycle, x, and maximumpower transmission duration, T, are required for each tested mode of operation.

Test EUT Mode : RRQ61051-009

Radio Mode	On Time (ms)	On+Off Time (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T VBW Seting (kHz)	1/T (kHz)
802.11a	0.690	0.719	96	0.18	3	1.44
802.11 n20	0.292	0.320	91	0.41	5	3.42
802.11 ac20	3.732	3.770	99	0	/	0.27
802.11 ax20	2.852	2.880	99	0	/	0.35

Note: Duty Cycle Correction Factor = 10*log(1/duty cycle)

Please refer to the following plots.

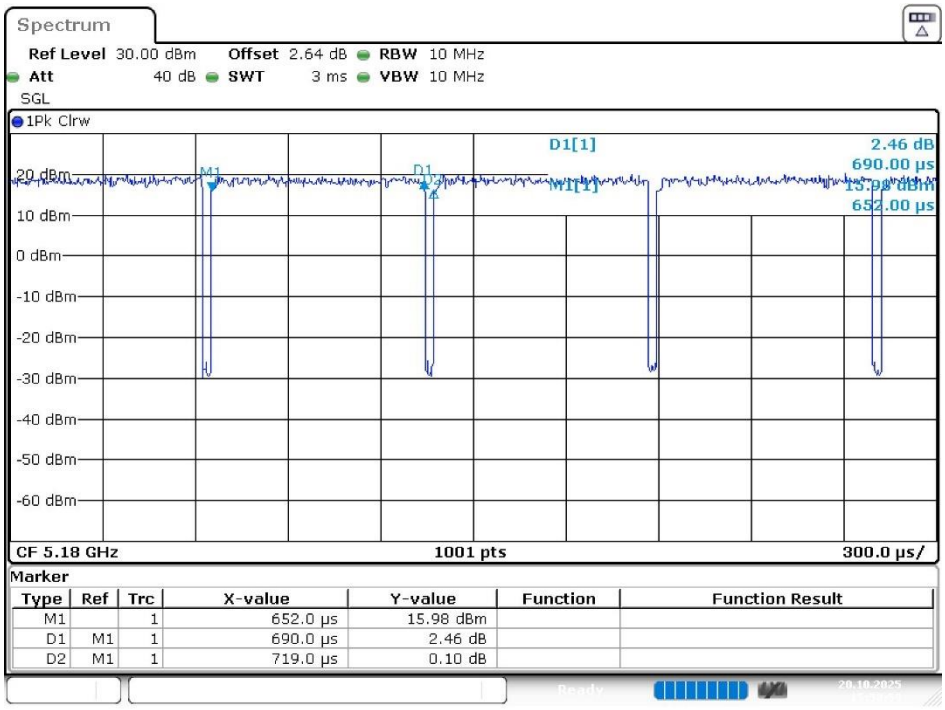
Test EUT Mode : RRQ61051-009

Radio Mode	On Time (ms)	On+Off Time (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T VBW Seting (kHz)	1/T (kHz)
802.11a	0.695	0.725	96	0.18	3	1.44
802.11 n20	0.295	0.321	91	0.41	5	3.42
802.11 ac20	3.743	3.765	99	0	/	0.27
802.11 ax20	2.846	2.866	99	0	/	0.35

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

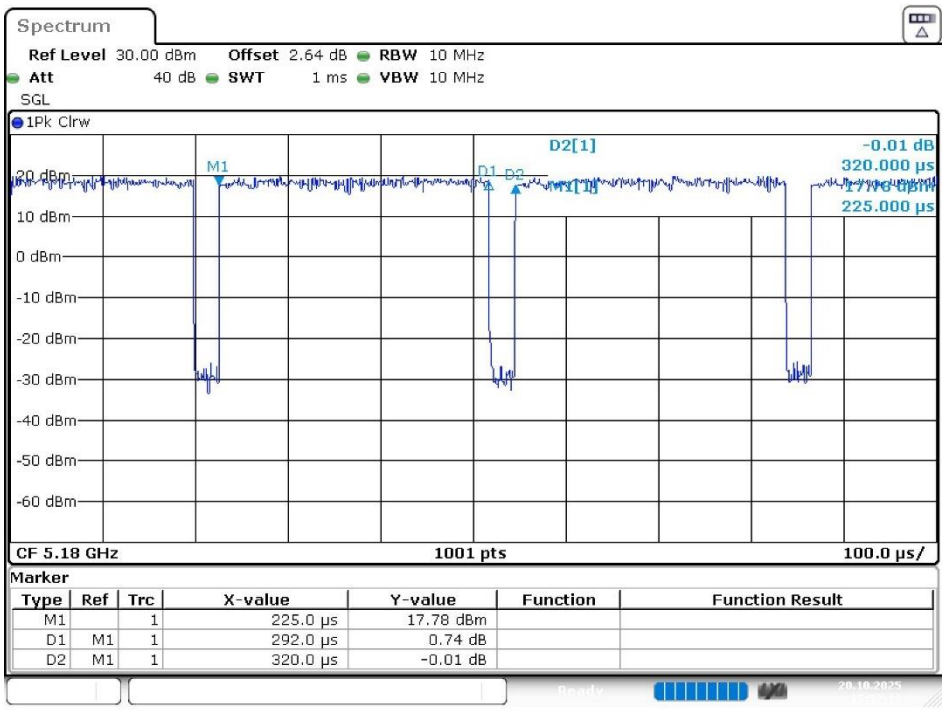
Test EUT Mode : RRQ61051-009

802.11a Mode



Date: 20.OCT.2025 15:50:59

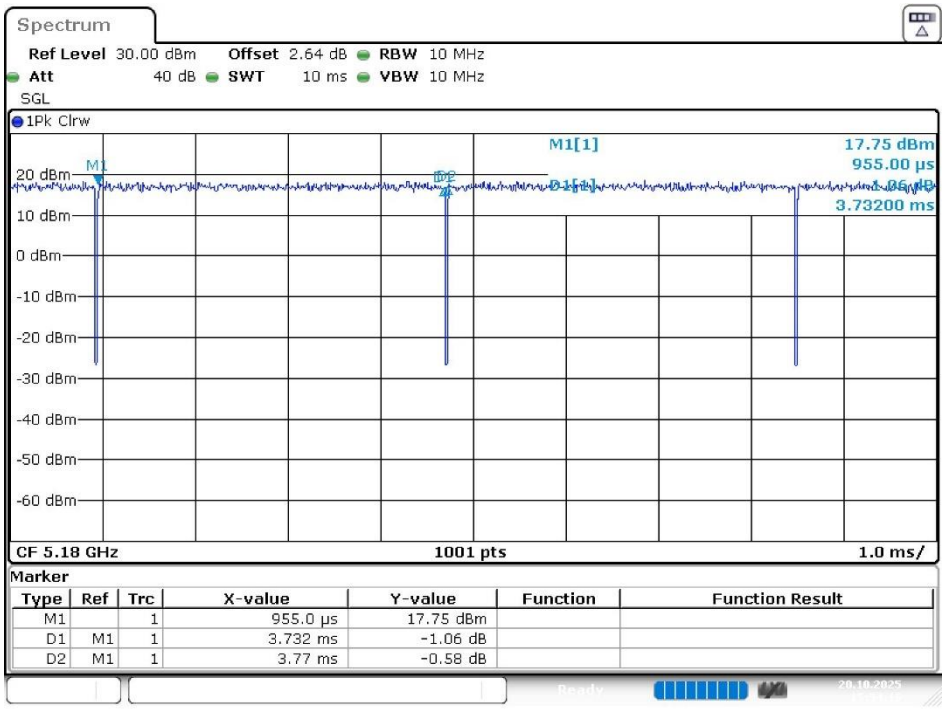
802.11 n20 Mode



Date: 20.OCT.2025 15:52:19

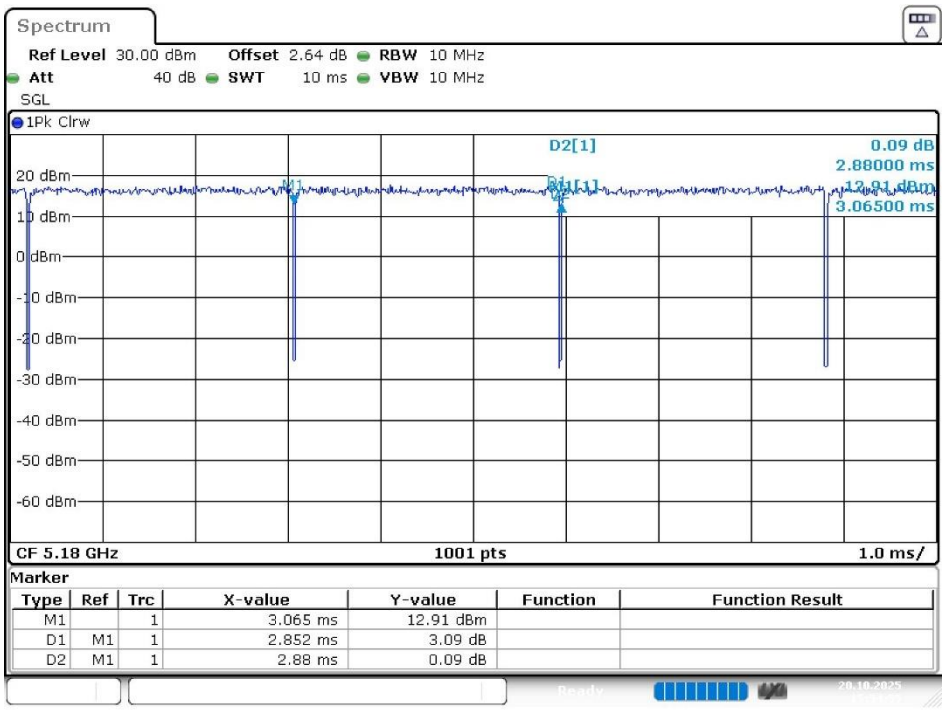
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11 ac20 Mode



Date: 20.OCT.2025 15:54:16

802.11 ax20 Mode

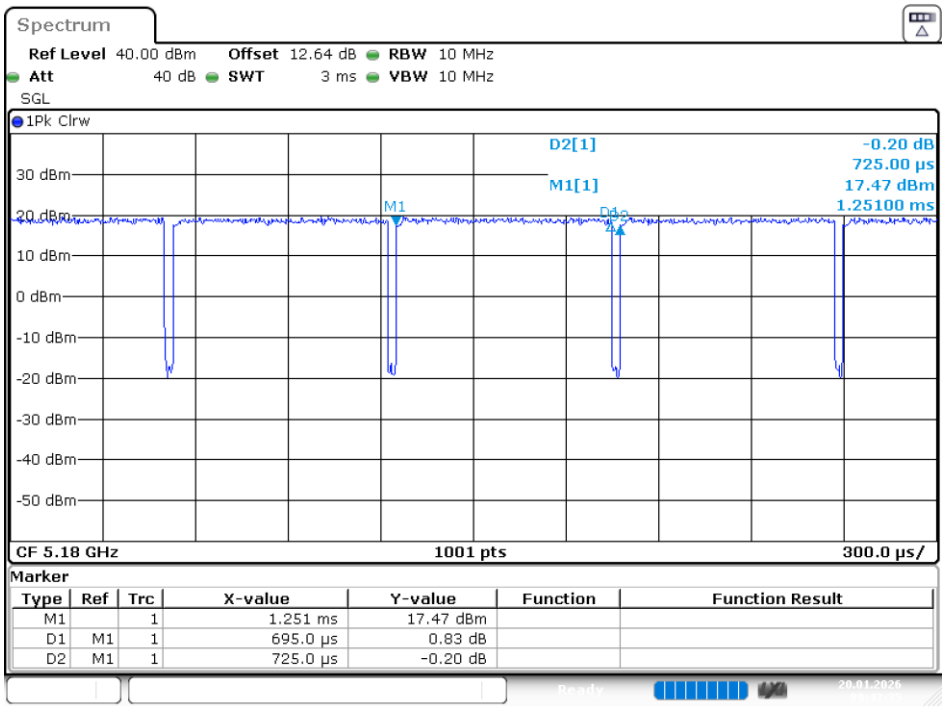


Date: 20.OCT.2025 15:54:55

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

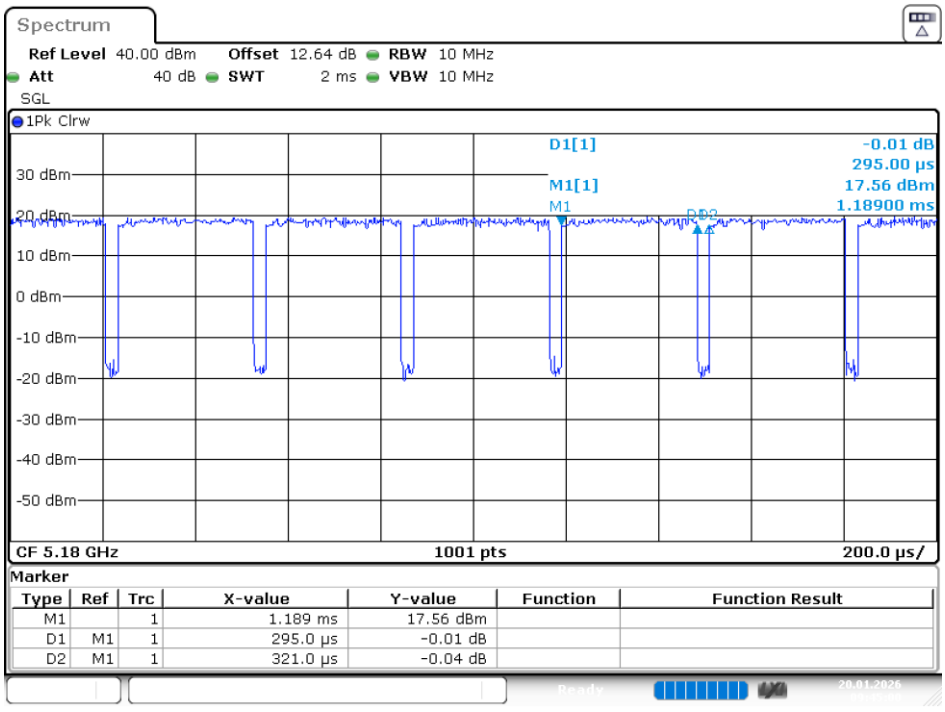
Test EUT Mode : RRQ61051-010

802.11a Mode



Date: 20.JAN.2026 09:43:36

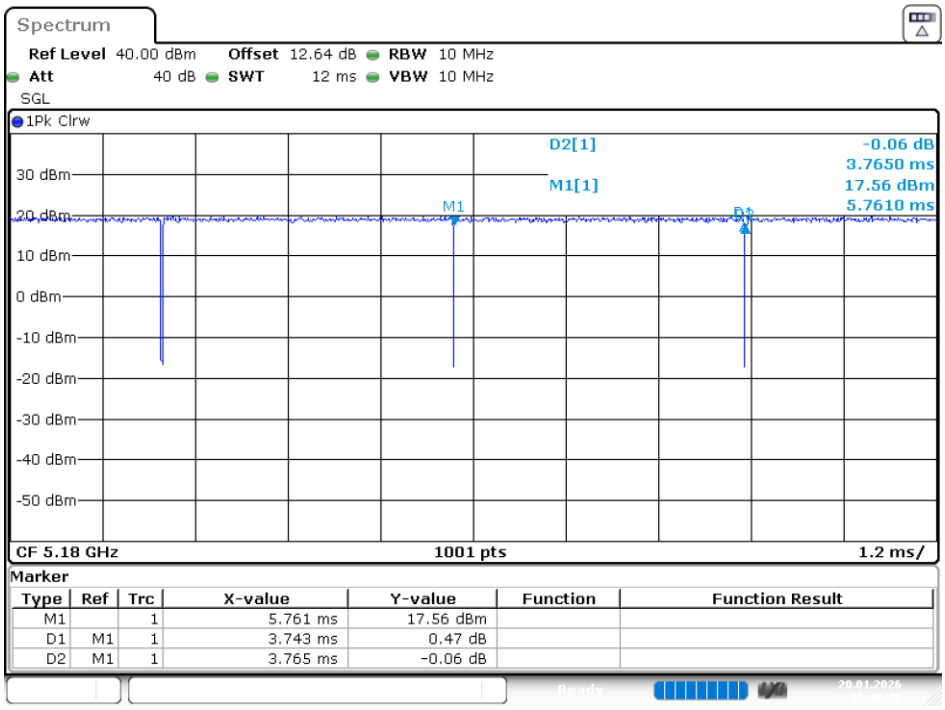
802.11 n20 Mode



Date: 20.JAN.2026 09:45:01

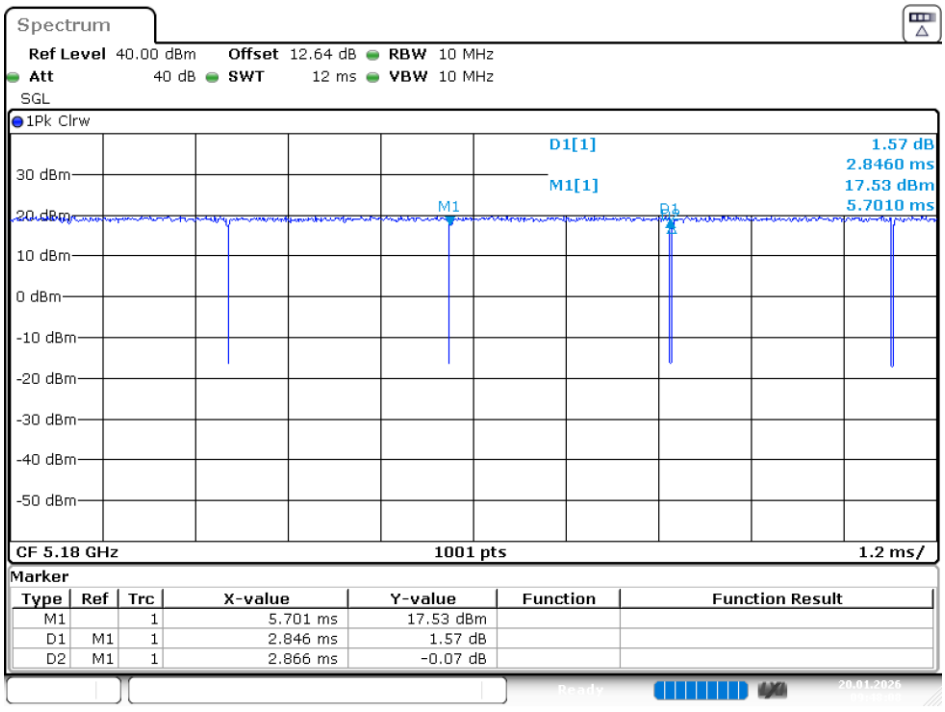
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11 ac20 Mode



Date: 20.JAN.2026 09:46:49

802.11 ax20 Mode



Date: 20.JAN.2026 09:48:09

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

3 Summary of Test Results

Standard(s) Section	Description of Test	Results
§15.203	Antenna Requirement	Compliance
§15.407(b)(9) & §15.207(a)	AC Line Conducted Emissions	Compliance
§15.205 & §15.209 & §15.407(b)	Unwanted Emission	Compliance
§15.407(a)(e)	Emission Bandwidth	Compliance
§15.407(a)	Conducted Transmitter Output Power	Compliance
§15.407(a)	Power Spectral Density	Compliance

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

4 Test Equipment List and Details

Description	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due Date
AC Line Conduction Room (CON-A)					
Pulse Limiter	SCHWARZBECK	VTSD 9561-F	00432	2025/08/14	2026/08/14
ESR EMI Test Receiver	Rohde & Schwarz	ESCI7	100769	2025/04/02	2026/04/02
RF Cable	EMCI	EMCCFD300-BM-BM-3000	221013	2025/10/16	2026/10/16
Two-Line V-Network	Rohde & Schwarz	ENV216	100037	2025/09/15	2026/09/15
Software	Audix	e3 v9	E3LK-03	N.C.R	N.C.R
Radiation 3M Room (966-B)					
Bilog Antenna & 6 dB Attenuator	SUNOL SCIENCES & EMCI	JB3 & N-6-06	A071318 & AT-N0670	2025/08/14	2026/08/14
Active Loop Antenna	ETS-Lindgren	6502	0001-3322	2025/03/27	2026/03/27
Horn Antenna	ETS-Lindgren	3115	85775	2025/10/03	2026/10/03
Horn Antenna	ETS-Lindgren	3160-09	123853	2025/08/28	2026/08/28
Horn Antenna	ETS-Lindgren	3160-10	123856	2025/08/28	2026/08/28
18-40GHz Preamplifier	GLOBAL	1313-A1840	5031371	2025/04/28	2026/04/28
30M-18GHz Preamplifier	A.H. Systems	PAM-0118P	479	2025/09/05	2026/09/05
ESR EMI Test Receiver	Rohde & Schwarz	ESR3	102430	2025/04/25	2026/04/25
Spectrum Analyzer	Rohde & Schwarz	FSV40	101456	2025/06/05	2026/06/05
Microflex Cable (1m)	EMCI	EMCI02-KM-KM-1000	180524	2025/08/01	2026/08/01
Microflex Cable (2m)	EMCI	EMCI06-SM-SM-2000	180516	2025/08/01	2026/08/01
Microflex Cable (8m)	UTIFLEX	UFA210A-1-3149-300300	MFR 64639 232490-002	2025/08/01	2026/08/01
Software	AUDIX	E3 V9	E3LK-02	N.C.R	N.C.R
-10dB Attenuator	MTJ	MTJ604-10	004	2025/04/07	2026/04/07
Band Reject Filter	MICRO-TRONICS	BRM50716	G444	2025/04/30	2026/04/30
Conducted Room					
Cable	MTJ	MT40S	620620-MT40S-100	2024/12/26	2026/01/05
Cable	MTJ	MT40S	620620-MT40S-100	2026/01/05	2027/01/05
Signal and Spectrum Analyzer	Rohde & Schwarz	FSV40	101457	2024/12/04	2025/12/04
Signal and Spectrum Analyzer	Rohde & Schwarz	FSV40	101457	2025/12/03	2026/12/03
USB Wideband Power Sensor	AGILENT	U2021XA	MY54080011	2025/08/26	2026/08/26
10dB Attenuator	MCL	BW-S10W5+	605	2025/04/14	2026/04/14

***Statement of Traceability:** BACL Corp. attests that all of the calibrations on the equipment items listed above were traceable to the SI System of Units via the R.O.C. Center for Measurement Standards of the Electronics Testing Center, Taiwan (ETC) or to another internationally recognized National Metrology Institute (NMI), and were compliant with the current Taiwan Accreditation Foundation (TAF) requirements.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5 FCC §15.203 – Antenna Requirements

5.1 Applicable Standard

For intentional device, according to §15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used.

5.2 Antenna Information

Manufacturer	Model	Antenna Type	Antenna Gain (dBi)
Aristotle	RFA-27-H60-U-GB70	Dipole Antenna	5150~5250 MHz: 4.4 5250~5350 MHz: 4.4 5470~5725 MHz: 4.4 5725~5850 MHz: 4.4

Unit uses a unique coupling to the intentional radiator.

Cable Loss of the I-Pex Cable used for antenna connection :

UNII-1 Band I 5150~5250 MHz : 2.64 dB

UNII-2A Band II 5250~5350 MHz : 2.66 dB

UNII-2C Band III 5470~5725 MHz : 2.75 dB

UNII-3 Band IV 5725~5850 MHz : 2.77 dB

Result: Compliance

6 FCC§15.207 – AC Line Conducted Emissions

6.1 Applicable Standard

As per FCC §15.207

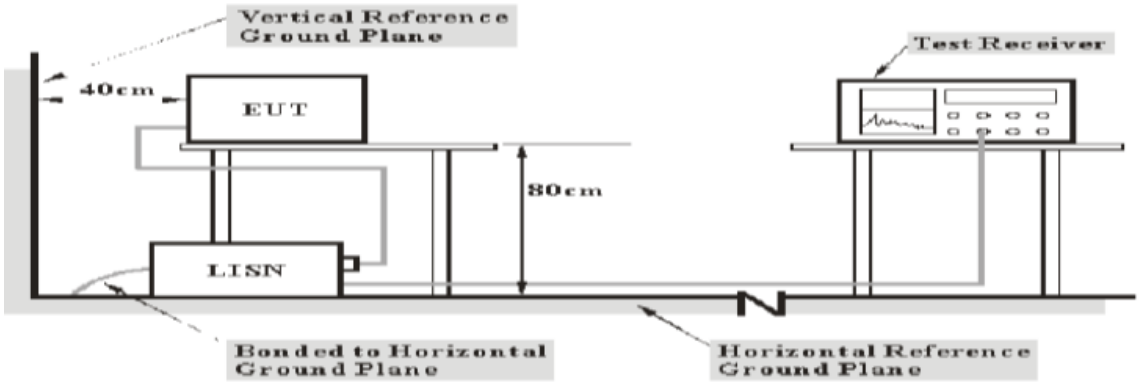
Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207

For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μH/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequencies ranges.

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-Peak	Average
0.15-0.5	66 to 56 Note 1	56 to 46 Note 1
0.5-5	56	46
5-30	60	50

Note 1: Decreases with the logarithm of the frequency.

6.2 EUT Setup



The setup of EUT is according with per ANSI C63.10-2020+Cor.1-2023 measurement procedure. The specification used was with the FCC Part 15.207 limits.

6.3 EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150kHz to 30MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations

Frequency Range	IF B/W
150kHz – 30MHz	9kHz

6.4 Test Procedure

During the conducted emission test, the adapter was connected to the outlet of the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All data was recorded in the Quasi-peak and average detection mode.

6.5 Factor & Over Limit Calculation

The factor is calculated by adding LISN/ISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation. The basic equation is as follows:

Factor = LISN VDF + Cable Loss + Transient Limiter Attenuation

The “Over Limit” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an over limit of -7 dB means the emission is 7 dB below the limit. The equation for Over Limit calculation is as follows:

Over Limit = Level – Limit Line

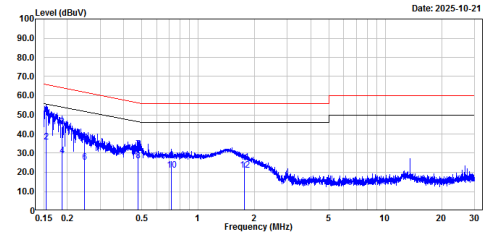
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

6.6 Test Results

Test Mode: Transmitting

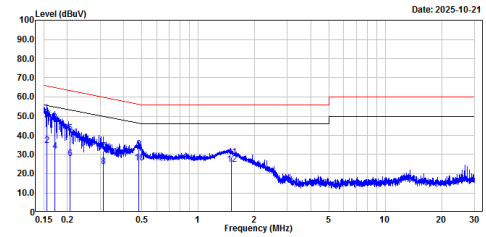
UNII-1 Band I 5150~5250 MHz (Worst case is 802.11 n20 mode 5200 MHz)

Line	Neutral



Site : Conduction
Condition: Line
Job No : RLK250801005
Test By : Cedric Xu
Power : AC 120V/60Hz
Temp.(℃)/Hum.(%RH): 23.4℃/52%
Mode : WiFi 5G-B1-N20-5200

	Freq	Read Level	Level	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	
1	0.1547	29.59	49.57	19.98	65.74	-16.17	QP
2	0.1547	16.03	36.01	19.98	55.74	-19.73	Average
3	0.1871	23.61	43.59	19.98	64.17	-20.58	QP
4	0.1871	8.72	28.70	19.98	54.17	-25.47	Average
5	0.2463	15.59	35.59	20.00	61.88	-26.29	QP
6	0.2463	5.26	25.26	20.00	51.88	-26.62	Average
7	0.4763	11.98	32.01	20.03	56.40	-24.39	QP
8	0.4763	6.18	26.21	20.03	46.40	-20.19	Average
9	0.7219	5.95	25.99	20.04	56.00	-30.01	QP
10	0.7219	1.04	21.08	20.04	46.00	-24.92	Average
11	1.7676	5.19	25.25	20.06	56.00	-30.75	QP
12	1.7676	1.21	21.27	20.06	46.00	-24.73	Average

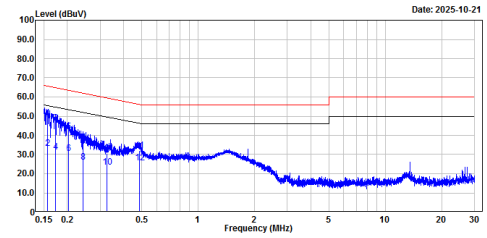


Site : Conduction
Condition: Neutral
Job No : RLK250801005
Test By : Cedric Xu
Power : AC 120V/60Hz
Temp.(℃)/Hum.(%RH): 23.4℃/52%
Mode : WiFi 5G-B1-N20-5200

	Freq	Read Level	Level	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	
1	0.1558	29.92	49.92	20.00	65.68	-15.76	QP
2	0.1558	14.87	34.87	20.00	55.68	-20.81	Average
3	0.1710	26.84	46.84	20.00	64.91	-18.07	QP
4	0.1710	11.59	31.59	20.00	54.91	-23.32	Average
5	0.2076	21.01	40.99	19.98	63.30	-22.31	QP
6	0.2076	7.96	27.94	19.98	53.30	-25.36	Average
7	0.3105	11.74	31.72	19.98	59.96	-28.24	QP
8	0.3105	3.86	23.84	19.98	49.96	-26.12	Average
9	0.4830	12.72	32.71	19.99	56.29	-23.58	QP
10	0.4830	5.61	25.60	19.99	46.29	-20.69	Average
11	1.5124	8.71	28.75	20.04	56.00	-27.25	QP
12	1.5124	4.72	24.76	20.04	46.00	-21.24	Average

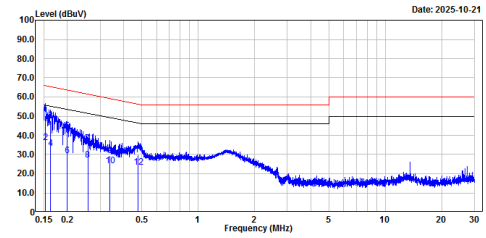
UNII-2A Band II 5250~5350 MHz (Worst case is 802.11 a mode 5260 MHz)

Line	Neutral



Site : Conduction
Condition: Line
Job No : RLK250801005
Test By : Cedric Xu
Power : AC 120V/60Hz
Temp.(℃)/Hum.(%RH): 23.4℃/52%
Mode : WiFi 5G-B2-A-5260

	Freq	Read Level	Level	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	
1	0.1567	29.13	49.11	19.98	65.63	-16.52	QP
2	0.1567	13.35	33.33	19.98	55.63	-22.30	Average
3	0.1727	26.42	46.41	19.99	64.83	-18.42	QP
4	0.1727	11.16	31.15	19.99	54.83	-23.68	Average
5	0.2033	21.99	41.97	19.98	63.48	-21.51	QP
6	0.2033	10.60	30.58	19.98	53.48	-22.90	Average
7	0.2436	16.41	36.41	20.00	61.97	-25.56	QP
8	0.2436	5.88	25.88	20.00	51.97	-26.09	Average
9	0.3248	10.71	30.72	20.01	59.58	-28.86	QP
10	0.3248	3.49	23.50	20.01	49.58	-26.08	Average
11	0.4864	12.22	32.25	20.03	56.23	-23.98	QP
12	0.4864	5.64	25.67	20.03	46.23	-20.56	Average



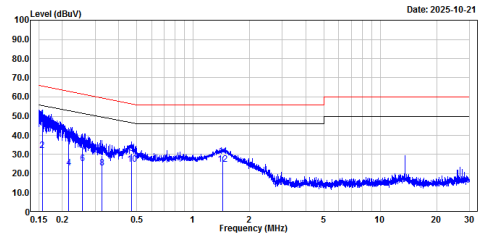
Site : Conduction
Condition: Neutral
Job No : RLK250801005
Test By : Cedric Xu
Power : AC 120V/60Hz
Temp.(℃)/Hum.(%RH): 23.4℃/52%
Mode : WiFi 5G-B2-A-5260

	Freq	Read Level	Level	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	
1	0.1523	30.33	50.34	20.01	65.88	-15.54	QP
2	0.1523	16.40	36.41	20.01	55.88	-19.47	Average
3	0.1631	27.63	47.63	20.00	65.30	-17.67	QP
4	0.1631	13.15	33.15	20.00	55.30	-22.15	Average
5	0.2002	22.24	42.22	19.98	63.60	-21.38	QP
6	0.2002	9.54	29.52	19.98	53.60	-24.08	Average
7	0.2573	15.91	35.89	19.98	61.52	-25.63	QP
8	0.2573	7.26	27.24	19.98	51.52	-24.28	Average
9	0.3370	9.63	29.61	19.98	59.28	-29.67	QP
10	0.3370	4.12	24.10	19.98	49.28	-25.18	Average
11	0.4796	9.84	29.83	19.99	56.35	-26.52	QP
12	0.4796	3.57	23.56	19.99	46.35	-22.79	Average

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

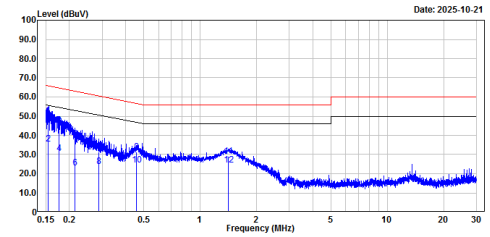
UNII-2C Band III 5470~5725 MHz (Worst case is 802.11 n20 mode 5580 MHz)

Line	Neutral



Site : Conduction
Condition: Line
Job No : RLK250801005
Test By : Cedric Xu
Power : AC 120V/60Hz
Temp.(℃)/Hum.(%RH): 23.4℃/52%
Mode : WiFi 5G-B3-N20-5580

	Freq	Read Level	Level	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	
1	0.1563	28.55	48.53	19.98	65.66	-17.13	QP
2	0.1563	12.08	32.06	19.98	55.66	-23.60	Average
3	0.2167	17.65	37.63	19.98	62.94	-25.31	QP
4	0.2167	2.93	22.91	19.98	52.94	-30.03	Average
5	0.2553	13.99	33.99	20.00	61.58	-27.59	QP
6	0.2553	5.11	25.11	20.00	51.58	-26.47	Average
7	0.3271	9.33	29.34	20.01	59.52	-30.18	QP
8	0.3271	3.06	23.07	20.01	49.52	-26.45	Average
9	0.4706	10.65	30.68	20.03	56.50	-25.82	QP
10	0.4706	4.90	24.93	20.03	46.50	-21.57	Average
11	1.4344	9.03	29.09	20.06	56.00	-26.91	QP
12	1.4344	4.83	24.89	20.06	46.00	-21.11	Average

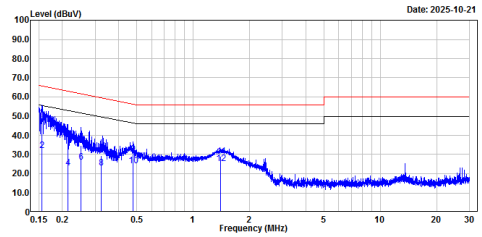


Site : Conduction
Condition: Neutral
Job No : RLK250801005
Test By : Cedric Xu
Power : AC 120V/60Hz
Temp.(℃)/Hum.(%RH): 23.4℃/52%
Mode : WiFi 5G-B3-N20-5580

	Freq	Read Level	Level	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	
1	0.1539	30.50	50.51	20.01	65.78	-15.27	QP
2	0.1539	15.63	35.64	20.01	55.78	-20.14	Average
3	0.1769	25.31	45.31	20.00	64.63	-19.32	QP
4	0.1769	10.63	30.63	20.00	54.63	-24.00	Average
5	0.2150	18.10	38.08	19.98	63.01	-24.93	QP
6	0.2150	2.95	22.93	19.98	53.01	-30.08	Average
7	0.2884	11.33	31.31	19.98	60.57	-29.26	QP
8	0.2884	3.69	23.67	19.98	50.57	-26.90	Average
9	0.4576	11.24	31.23	19.99	56.74	-25.51	QP
10	0.4576	4.49	24.48	19.99	46.74	-22.26	Average
11	1.4102	9.00	29.02	20.02	56.00	-26.98	QP
12	1.4102	4.67	24.69	20.02	46.00	-21.31	Average

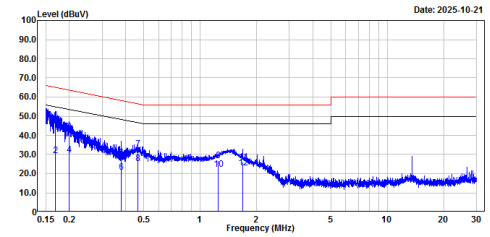
UNII-3 Band IV 5725~5850 MHz (Worst case is 802.11 n20 mode 5785 MHz)

Line	Neutral



Site : Conduction
Condition: Line
Job No : RLK250801005
Test By : Cedric Xu
Power : AC 120V/60Hz
Temp.(℃)/Hum.(%RH): 23.4℃/52%
Mode : WiFi 5G-B4-N20-5785

	Freq	Read Level	Level	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	
1	0.1555	29.09	49.07	19.98	65.70	-16.63	QP
2	0.1555	12.20	32.18	19.98	55.70	-23.52	Average
3	0.2145	18.22	38.20	19.98	63.03	-24.83	QP
4	0.2145	3.11	23.09	19.98	53.03	-29.94	Average
5	0.2525	14.82	34.82	20.00	61.67	-26.85	QP
6	0.2525	5.96	25.96	20.00	51.67	-25.71	Average
7	0.3222	9.58	29.59	20.01	59.65	-30.06	QP
8	0.3222	3.09	23.10	20.01	49.65	-26.55	Average
9	0.4768	10.17	30.20	20.03	56.40	-26.20	QP
10	0.4768	4.18	24.21	20.03	46.40	-22.19	Average
11	1.4060	8.91	28.95	20.04	56.00	-27.05	QP
12	1.4060	5.11	25.15	20.04	46.00	-20.85	Average



Site : Conduction
Condition: Neutral
Job No : RLK250801005
Test By : Cedric Xu
Power : AC 120V/60Hz
Temp.(℃)/Hum.(%RH): 23.4℃/52%
Mode : WiFi 5G-B4-N20-5785

	Freq	Read Level	Level	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	
1	0.1679	27.96	47.95	19.99	65.06	-17.11	QP
2	0.1679	9.59	29.58	19.99	55.06	-25.48	Average
3	0.2000	21.73	41.71	19.98	63.61	-21.90	QP
4	0.2000	9.67	29.65	19.98	53.61	-23.96	Average
5	0.3800	8.37	28.35	19.98	58.28	-29.93	QP
6	0.3800	0.76	20.74	19.98	48.28	-27.54	Average
7	0.4650	12.70	32.69	19.99	56.60	-23.91	QP
8	0.4650	5.15	25.14	19.99	46.60	-21.46	Average
9	1.2521	6.59	26.61	20.02	56.00	-29.39	QP
10	1.2521	2.39	22.41	20.02	46.00	-23.59	Average
11	1.6933	6.17	26.21	20.04	56.00	-29.79	QP
12	1.6933	3.07	23.11	20.04	46.00	-22.89	Average

Note:

Result = Reading + Factor

Over Limit = Result – Limit Line

Factor = (LISN, ISN, PLC or current probe) Factor + Cable Loss + Attenuator

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

7 FCC §15.209, §15.205, §15.407(b) – Spurious Emissions

7.1 Applicable Standard

As Per FCC §15.205(a) except as show in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 – 0.110	16.42 – 16.423	608 – 614	4.5 – 5.15
0.495 – 0.505	16.69475 – 16.69525	960 – 1240	5.35 – 5. 46
2.1735 – 2.1905	16.80425 – 16.80475	1300 – 1427	7.25 – 7.75
4.125 – 4.128	25.5 – 25.67	1435 – 1626.5	8.025 – 8.5
4.17725 – 4.17775	37.5 – 38.25	1645.5 – 1646.5	9.0 – 9.2
4.20725 – 4.20775	73 – 74.6	1660 – 1710	9.3 – 9.5
6.215 – 6.218	74.8 – 75.2	1718.8 – 1722.2	10.6 – 12.7
6.26775 – 6.26825	108 – 121.94	2200 – 2300	13.25 – 13.4
6.31175 – 6.31225	123 – 138	2310 – 2390	14.47 – 14.5
8.291 – 8.294	149.9 – 150.05	2483.5 – 2500	15.35 – 16.2
8.362 – 8.366	156.52475 – 156.52525	2690 – 2900	17.7 – 21.4
8.37625 – 8.38675	156.7 – 156.9	3260 – 3267	22.01 – 23.12
8.41425 – 8.41475	162.0125 –167.17	3.332 – 3.339	23.6 – 24.0
12.29 – 12.293	167.72 – 173.2	3 3458 – 3 358	31.2 – 31.8
12.51975 – 12.52025	240 – 285	3.600 – 4.400	36.43 – 36.5
12.57675 – 12.57725	322 – 335.4		Above 38.6
13.36 – 13.41	399.9 – 410		

As per FCC §15.209(a): Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (micro volts/meter)	Measurement Distance (meters)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100**	3
88 - 216	150**	3
216 - 960	200**	3
Above 960	500	3

Note 1: Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

According to ANSI C63.10-2020+Cor.1-2023, section 5.3.3

Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field, and the emissions to be measured can be detected by the measurement equipment (see 4.3.4). Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. Measurements from 18 GHz to 40 GHz are typically made at distances significantly less than 3 m from the EUT. When performing

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

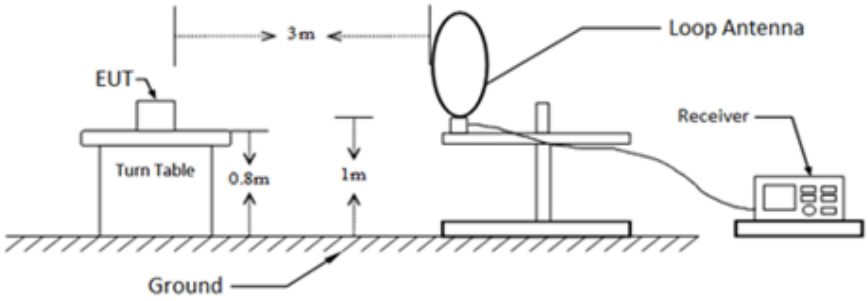
measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade of distance (inverse of linear distance for field-strength measurements or inverse of linear distance-squared for power-density measurements).

As per FCC Part 15.407 (b)

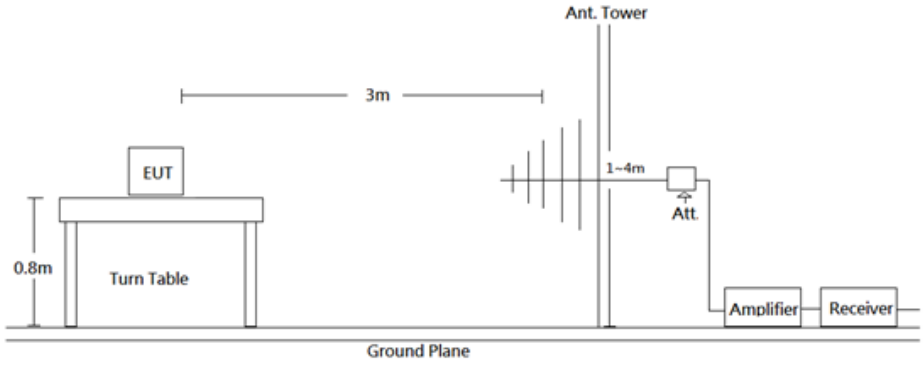
- For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
- For transmitters operating in the 5.25–5.35 GHz band: All emissions outside of the 5.15–5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
- For transmitters operating in the 5.47–5.725 GHz band: All emissions outside of the 5.47–5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
- For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
- Devices certified before March 2, 2017 with antenna gain greater than 10 dBi may demonstrate compliance with the emission limits in § 15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease by March 2, 2018. Devices certified before March 2, 2018 with antenna gain of 10 dBi or less may demonstrate compliance with the emission limits in §15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease before March 2, 2020.
- The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.
- Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209.

7.2 EUT Setup

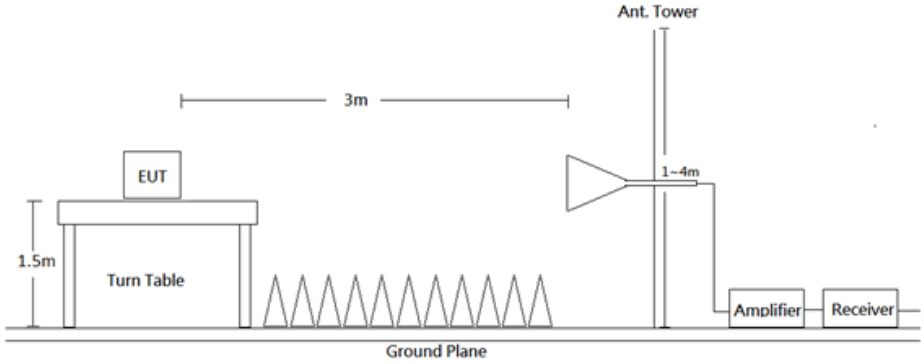
9kHz-30MHz:



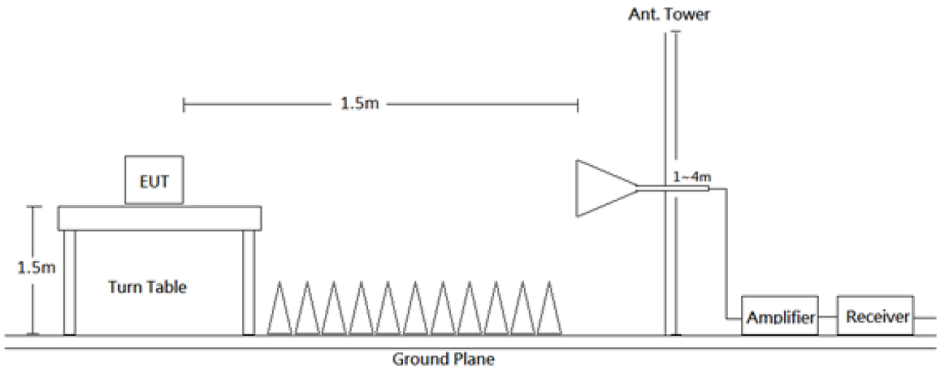
30MHz-1GHz:



1-18 GHz:



18-40 GHz:



Radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.10-2020+Cor.1-2023. The specification used was the FCC Part 15.209, FCC 15.407 Limits.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

7.3 EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9 kHz to 40 GHz. During the radiated emission test, the EMI test receiver was set with the following configurations measurement method 6.3 in ANSI C63.10-2020+Cor.1-2023.

Frequency Range	RBW	VBW	Duty cycle	Measurement method	Detector
9 kHz - 150 kHz	200 Hz/300 Hz	1 kHz	/	QP/AV	QP/AV
150 kHz - 30 MHz	9 kHz/10 kHz	30 kHz	/	QP/AV	QP/AV
30-1000 MHz	120 kHz	500 kHz	/	QP	QP
Above 1 GHz	Pre-scan :				
	1 MHz	3 MHz	/	PK	PK
	1 MHz	1 kHz	>98%	Ave	PK
	1 MHz	≥ 1/Ton, not less than 1 kHz	<98%	Ave	PK
	Final measurement for emission identified during pre-scan :				
	1 MHz	3 MHz	/	PK	PK
	1 MHz	10 Hz	>98%	Ave	PK
	1 MHz	≥ 1/Ton	<98%	Ave	PK

Note: T is minimum transmission duration

If the maximized peak measured value complies with under the QP/Average limit more than 6dB, then it is unnecessary to perform an QP/Average measurement.

7.4 Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

All data was recorded in Quasi-peak and average detector mode from 9 kHz to 30 MHz, Quasi-peak detector mode from 30 MHz to 1 GHz and PK and average detector modes for frequencies above 1 GHz.

According to C63.10-2020+Cor.1-2023, emission shall be computed as: E [dBμV/m] = EIRP[dBm] + 95.2, for d = 3 meters.

All emissions under the average limit and under the noise floor have not recorded in the report

7.5 Factor & Over Limit Calculation

The Factor is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

Factor = Antenna Factor + Cable Loss – Amplifier Gain

The “Over Limit” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7 dB means the emission is 7 dB below the limit. The equation for Over Limit calculation is as follows:

Over Limit = Level – Limit Line

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

7.6 Test Results

Test Mode: Transmitting

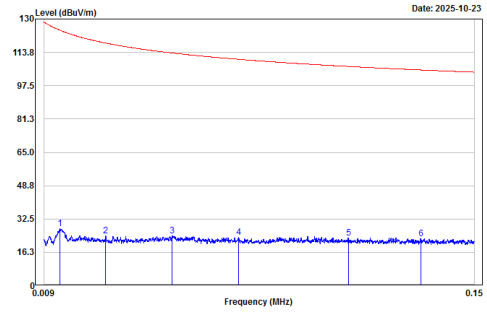
Test EUT Mode : RRQ61051-009

(Pre-scan with three orthogonal axis, and worse case as Z axis.)

9kHz-30MHz: (Pre-scan using three directional polarities, worst case as parallel.)

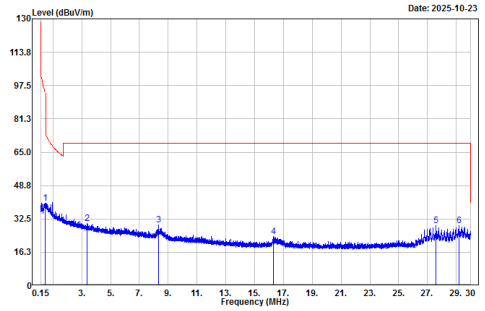
UNII-1 Band I 5150~5250 MHz (Worst case is 802.11 n20 mode, 5200 MHz)

9kHz-150kHz	150kHz-30MHz



Site : 966B Chamber
Condition: 3m
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 19.5℃/ 45%
Memo : N20-TX-5200
RBW/VBW : QP:300Hz/1k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	0.014	14.20	13.52	27.72	124.53	-96.81	QP
2	0.029	11.47	12.85	24.32	118.29	-93.97	QP
3	0.051	11.17	13.10	24.27	113.44	-89.17	QP
4	0.073	12.17	11.49	23.66	110.37	-86.71	QP
5	0.109	11.62	11.60	23.22	106.88	-83.66	QP
6	0.132	11.28	11.72	23.00	105.17	-82.17	QP

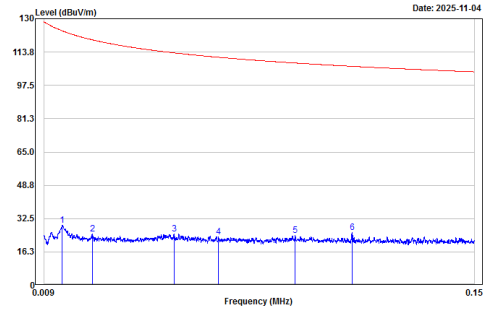


Site : 966B Chamber
Condition: 3m
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 19.5℃/ 45%
Memo : N20-TX-5200
RBW/VBW : QP:10k/30k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	0.468	28.63	11.70	40.33	94.19	-53.86	QP
2	3.365	19.57	10.85	30.42	69.54	-39.12	QP
3	8.345	17.89	11.74	29.63	69.54	-39.91	QP
4	16.329	12.05	11.74	23.79	69.54	-45.75	QP
5	27.594	17.66	11.51	29.17	69.54	-40.37	QP
6	29.195	17.95	11.23	29.18	69.54	-40.36	QP

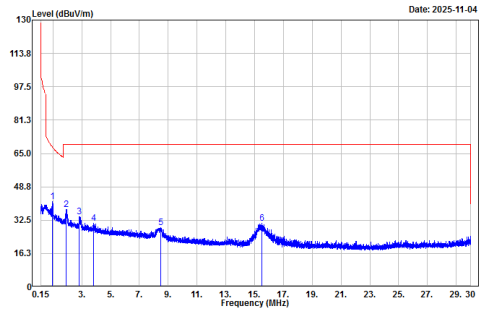
UNII-2A Band II 5250~5350 MHz (Worst case is 802.11a mode, 5260 MHz)

9kHz-150kHz	150kHz-30MHz



Site : 966B Chamber
Condition: 3m
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.6℃/ 59%
Memo : A-TX-5260
RBW/VBW : QP:300Hz/1k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	0.015	15.81	13.56	29.37	124.05	-94.68	QP
2	0.025	11.75	13.33	25.08	119.70	-94.62	QP
3	0.052	11.91	13.02	24.93	113.35	-88.42	QP
4	0.066	11.81	11.70	23.51	111.19	-87.68	QP
5	0.091	12.49	11.73	24.22	108.40	-84.18	QP
6	0.110	14.12	11.61	25.73	106.78	-81.05	QP



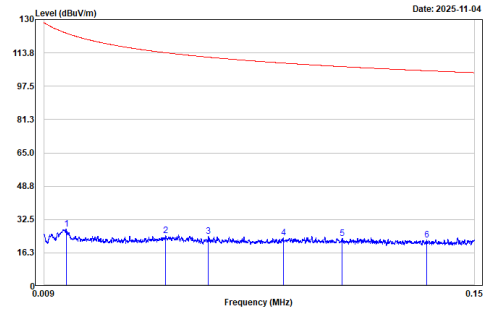
Site : 966B Chamber
Condition: 3m
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.6℃/ 59%
Memo : A-TX-5260
RBW/VBW : QP:10k/30k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	0.977	30.06	11.48	41.54	67.81	-26.27	QP
2	1.924	26.65	11.03	37.68	69.54	-31.86	QP
3	2.812	23.49	10.84	34.33	69.54	-35.21	QP
4	3.833	19.96	10.90	30.86	69.54	-38.68	QP
5	8.483	17.32	11.72	29.04	69.54	-40.50	QP
6	15.514	19.50	11.61	31.11	69.54	-38.43	QP

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

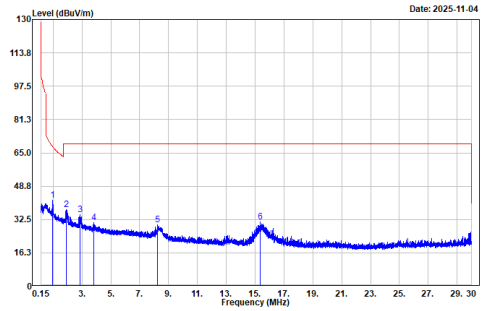
UNII-2C Band III 5470~5725 MHz (Worst case is 802.11 n20 mode, 5580 MHz)

9kHz-150kHz	150kHz-30MHz



Site : 966B Chamber
Condition: 3m
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.6℃/ 59%
Memo : N20-TX-5580
RBW/VBW : QP:300Hz/1k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	0.016	14.13	13.64	27.77	123.37	-95.60	QP
2	0.049	11.34	13.16	24.50	113.82	-89.32	QP
3	0.063	12.60	11.73	24.33	111.64	-87.31	QP
4	0.087	12.02	11.58	23.60	108.78	-85.18	QP
5	0.107	11.78	11.59	23.37	107.04	-83.67	QP
6	0.134	10.88	11.73	22.61	105.04	-82.43	QP

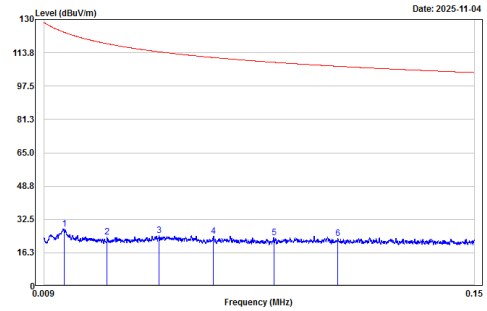


Site : 966B Chamber
Condition: 3m
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.6℃/ 59%
Memo : N20-TX-5580
RBW/VBW : QP:10k/30k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	0.977	30.54	11.48	42.02	67.81	-25.79	QP
2	1.899	26.45	11.04	37.49	69.54	-32.05	QP
3	2.849	24.03	10.84	34.87	69.54	-34.67	QP
4	3.802	20.11	10.90	31.01	69.54	-38.53	QP
5	8.247	18.35	11.75	30.10	69.54	-39.44	QP
6	15.344	19.78	11.59	31.37	69.54	-38.17	QP

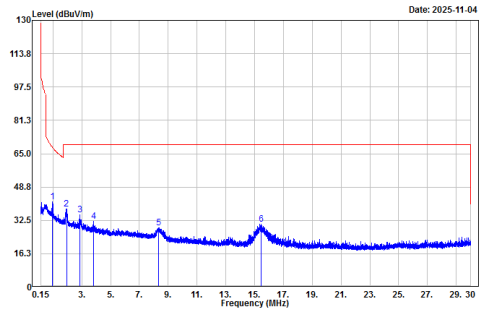
UNII-3 Band IV 5725~5850 MHz (Worst case is 802.11 n20 mode, 5785 MHz)

9kHz-150kHz	150kHz-30MHz



Site : 966B Chamber
Condition: 3m
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.6℃/ 59%
Memo : N20-TX-5785
RBW/VBW : QP:300Hz/1k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	0.016	14.40	13.60	28.00	123.74	-95.74	QP
2	0.030	11.10	12.80	23.90	118.16	-94.26	QP
3	0.047	11.56	12.97	24.53	114.21	-89.68	QP
4	0.065	12.61	11.71	24.32	111.41	-87.09	QP
5	0.084	12.13	11.36	23.49	109.09	-85.60	QP
6	0.105	11.49	11.59	23.08	107.16	-84.08	QP



Site : 966B Chamber
Condition: 3m
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.6℃/ 59%
Memo : N20-TX-5785
RBW/VBW : QP:10k/30k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	0.978	30.12	11.48	41.60	67.80	-26.20	QP
2	1.936	27.03	11.02	38.05	69.54	-31.49	QP
3	2.846	24.38	10.84	35.22	69.54	-34.32	QP
4	3.831	21.20	10.90	32.10	69.54	-37.44	QP
5	8.329	17.09	11.74	28.83	69.54	-40.71	QP
6	15.473	19.21	11.61	30.82	69.54	-38.72	QP

Level = Reading + Factor.

Over Limit = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

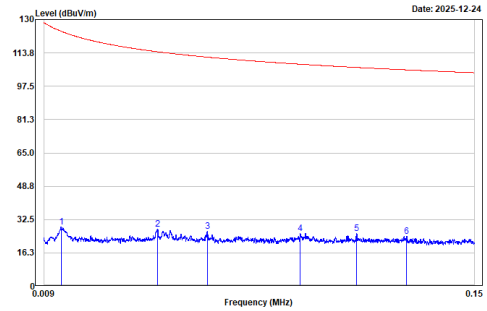
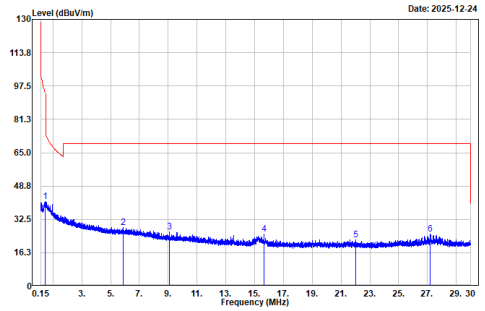
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

Test EUT Mode : RRQ61051-010

(Pre-scan with three orthogonal axis, and worse case as Z axis.)

9kHz-30MHz: (Pre-scan using three directional polarities, worst case as parallel.)

UNII-1 Band I 5150~5250 MHz **(**Worst case is 802.11 n20 mode, 5200 MHz)

9kHz-150kHz	150kHz-30MHz
	

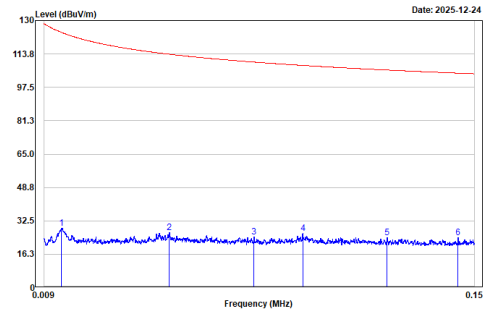
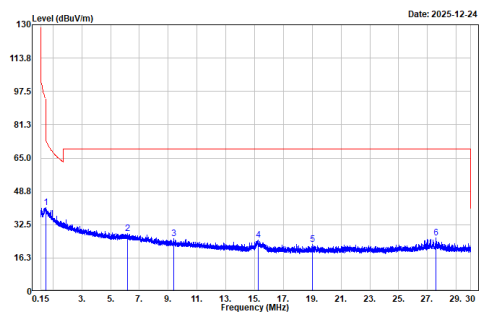
Site : 966B Chamber
Condition: 3m
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 53%
Memo : N20-TX-5200
Memo : RBW/VBW: QP:0.3k/1k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	0.015	15.46	13.54	29.00	124.28	-95.28	QP
2	0.046	14.83	12.92	27.75	114.31	-86.56	QP
3	0.063	14.98	11.73	26.71	111.69	-84.98	QP
4	0.093	13.98	11.70	25.68	108.24	-82.56	QP
5	0.111	14.07	11.62	25.69	106.67	-80.98	QP
6	0.128	12.57	11.70	24.27	105.47	-81.20	QP

Site : 966B Chamber
Condition: 3m
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 53%
Memo : N20-TX-5200
Memo : RBW/VBW: QP:10k/30k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	0.469	29.36	11.70	41.06	94.17	-53.11	QP
2	5.877	16.53	11.91	28.44	69.54	-41.10	QP
3	9.069	14.68	11.69	26.37	69.54	-43.17	QP
4	15.644	13.86	11.63	25.49	69.54	-44.05	QP
5	22.007	11.31	11.31	22.62	69.54	-46.92	QP
6	27.210	13.61	11.62	25.23	69.54	-44.31	QP

UNII-2A Band II 5250~5350 MHz **(**Worst case is 802.11a mode, 5260 MHz)

9kHz-150kHz	150kHz-30MHz
	

Site : 966B Chamber
Condition: 3m
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 53%
Memo : A-TX-5260
Memo : RBW/VBW: QP:0.3k/1k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	0.015	15.36	13.55	28.91	124.23	-95.32	QP
2	0.050	13.48	13.24	26.72	113.60	-86.88	QP
3	0.078	13.49	11.19	24.68	109.79	-85.11	QP
4	0.094	14.74	11.68	26.42	108.16	-81.74	QP
5	0.121	12.60	11.67	24.27	105.92	-81.65	QP
6	0.145	12.38	11.78	24.16	104.40	-80.24	QP

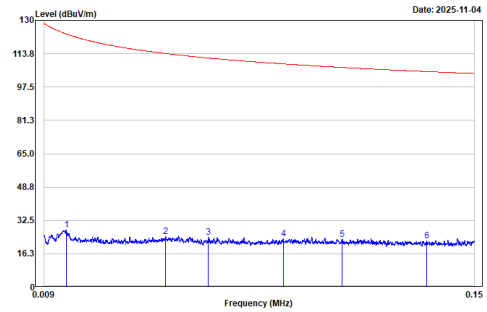
Site : 966B Chamber
Condition: 3m
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 53%
Memo : A-TX-5260
Memo : RBW/VBW: QP:10k/30k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	0.499	29.14	11.67	40.81	73.64	-32.83	QP
2	6.156	16.13	12.03	28.16	69.54	-41.38	QP
3	9.389	13.82	11.80	25.62	69.54	-43.92	QP
4	15.228	13.32	11.58	24.90	69.54	-44.64	QP
5	18.997	10.85	11.99	22.84	69.54	-46.70	QP
6	27.605	14.50	11.51	26.01	69.54	-43.53	QP

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

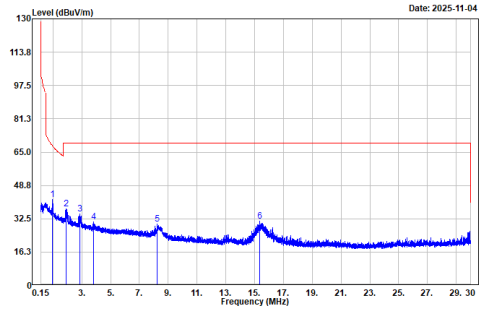
UNII-2C Band III 5470~5725 MHz (Worst case is 802.11 n20 mode, 5580 MHz)

9kHz-150kHz	150kHz-30MHz



Site : 966B Chamber
Condition: 3m
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.6℃/ 59%
Memo : N20-TX-5580
RBW/VBW : QP:300Hz/1k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	0.016	14.13	13.64	27.77	123.37	-95.60	QP
2	0.049	11.34	13.16	24.50	113.82	-89.32	QP
3	0.063	12.60	11.73	24.33	111.64	-87.31	QP
4	0.087	12.02	11.58	23.60	108.78	-85.18	QP
5	0.107	11.78	11.59	23.37	107.04	-83.67	QP
6	0.134	10.88	11.73	22.61	105.04	-82.43	QP

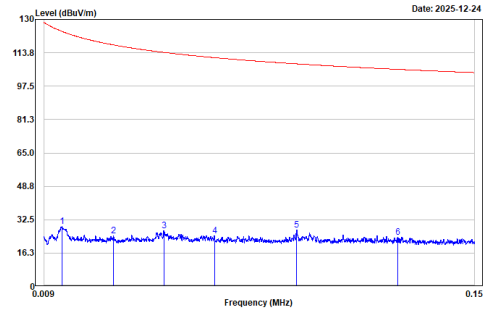


Site : 966B Chamber
Condition: 3m
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.6℃/ 59%
Memo : N20-TX-5580
RBW/VBW : QP:10k/30k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	0.977	30.54	11.48	42.02	67.81	-25.79	QP
2	1.899	26.45	11.04	37.49	69.54	-32.05	QP
3	2.849	24.03	10.84	34.87	69.54	-34.67	QP
4	3.802	20.11	10.90	31.01	69.54	-38.53	QP
5	8.247	18.35	11.75	30.10	69.54	-39.44	QP
6	15.344	19.78	11.59	31.37	69.54	-38.17	QP

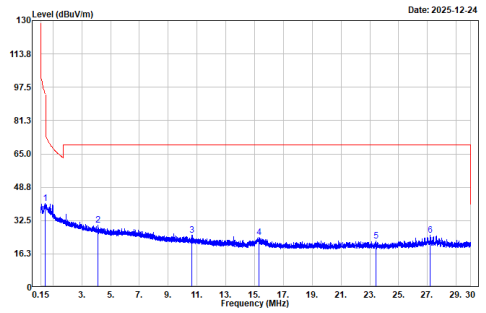
UNII-3 Band IV 5725~5850 MHz (Worst case is 802.11 n20 mode, 5785 MHz)

9kHz-150kHz	150kHz-30MHz



Site : 966B Chamber
Condition: 3m
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 53%
Memo : N20-TX-5785
Memo : RBW/VBW: QP:0.3k/1k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	0.015	15.53	13.55	29.08	124.17	-95.09	QP
2	0.032	12.00	12.69	24.69	117.56	-92.87	QP
3	0.048	14.11	13.11	27.22	113.93	-86.71	QP
4	0.065	13.07	11.71	24.78	111.37	-86.59	QP
5	0.092	15.74	11.72	27.46	108.35	-80.89	QP
6	0.125	12.31	11.68	23.99	105.68	-81.69	QP



Site : 966B Chamber
Condition: 3m
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 53%
Memo : N20-TX-5785
Memo : RBW/VBW: QP:10k/30k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	0.460	29.03	11.71	40.74	94.34	-53.60	QP
2	4.123	19.54	10.93	30.47	69.54	-39.07	QP
3	10.661	13.40	12.06	25.46	69.54	-44.08	QP
4	15.292	12.67	11.59	24.26	69.54	-45.28	QP
5	23.436	11.21	11.37	22.58	69.54	-46.96	QP
6	27.197	13.78	11.62	25.40	69.54	-44.14	QP

Level = Reading + Factor.

Over Limit = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

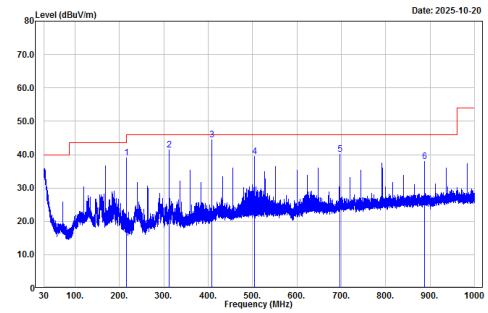
Test EUT Mode : RRQ61051-009

30MHz-1GHz:

UNII-1 Band I 5150~5250 MHz (Worst case is 802.11n20 Mode)

5200 MHz

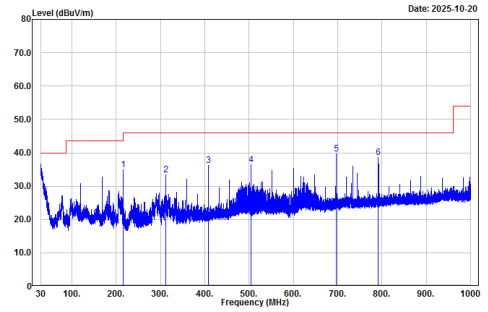
Horizontal



Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 24.5℃/ 51%
Memo : N20-TX-5200
RBW/VBW : QP:120k/500k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	215.981	54.56	-15.64	38.92	43.50	-4.58	QP
2	311.979	53.85	-12.41	41.44	46.00	-4.56	QP
3 !	407.977	54.61	-10.11	44.50	46.00	-1.50	QP
4	504.007	47.53	-8.10	39.43	46.00	-6.57	QP
5	696.002	45.27	-5.06	40.21	46.00	-5.79	QP
6	887.997	40.72	-2.73	37.99	46.00	-8.01	QP

Vertical



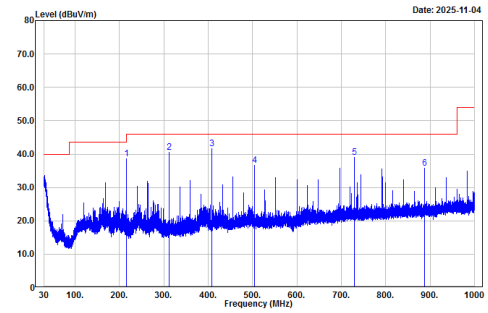
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 24.5℃/ 51%
Memo : N20-TX-5200
RBW/VBW : QP:120k/500k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	215.981	50.45	-15.64	34.81	43.50	-8.69	QP
2	311.979	45.87	-12.41	33.46	46.00	-12.54	QP
3	407.977	46.30	-10.11	36.19	46.00	-9.81	QP
4	504.007	44.63	-8.10	36.53	46.00	-9.47	QP
5	696.002	44.77	-5.06	39.71	46.00	-6.29	QP
6	792.000	42.47	-3.78	38.69	46.00	-7.31	QP

UNII-2A Band II 5250~5350 MHz (Worst case is 802.11a Mode)

5260 MHz

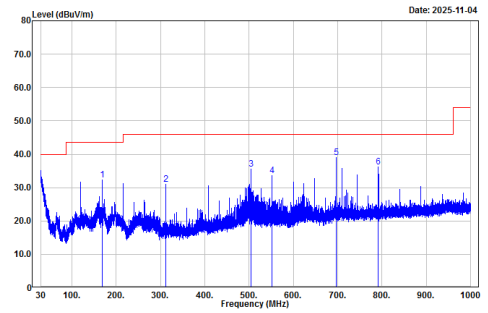
Horizontal



Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.6℃/ 59%
Memo : A-TX-5260
RBW/VBW : QP:120k/500k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	215.981	54.26	-15.64	38.62	43.50	-4.88	QP
2	311.979	52.85	-12.41	40.44	46.00	-5.56	QP
3	408.009	51.78	-10.11	41.67	46.00	-4.33	QP
4	504.007	44.72	-8.10	36.62	46.00	-9.38	QP
5	729.467	43.42	-4.46	38.96	46.00	-7.04	QP
6	887.997	38.46	-2.73	35.73	46.00	-10.27	QP

Vertical



Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.6℃/ 59%
Memo : A-TX-5260
RBW/VBW : QP:120k/500k

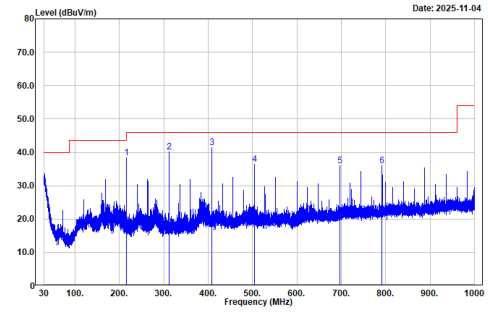
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	167.999	46.51	-14.13	32.38	43.50	-11.12	QP
2	311.979	43.51	-12.41	31.10	46.00	-14.90	QP
3	504.007	43.68	-8.10	35.58	46.00	-10.42	QP
4	551.989	40.89	-7.28	33.61	46.00	-12.39	QP
5	696.002	44.08	-5.06	39.02	46.00	-6.98	QP
6	792.000	40.00	-3.78	36.22	46.00	-9.78	QP

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

UNII-2C Band III 5470~5725 MHz (Worst case is 802.11n20 Mode)

5580 MHz

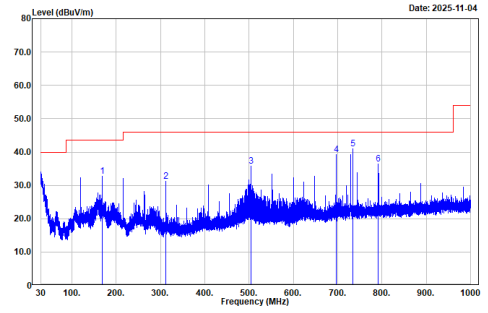
Horizontal




```
Site     : 966B Chamber
Condition: 3m horizontal
Job No   : RLK250801005_Renesas
Model    : RRQ61051-009
Power    : From Test Development Board
Tester   : Derek
Temp./ Hum.: 20.6℃/ 59%
Memo     : N20-TX-5580
RBW/VBW  : QP:120k/500k
```

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	215.981	54.06	-15.64	38.42	43.50	-5.08	QP
2	311.979	52.54	-12.41	40.13	46.00	-5.87	QP
3	407.977	51.49	-10.11	41.38	46.00	-4.62	QP
4	504.007	44.62	-8.10	36.52	46.00	-9.48	QP
5	696.002	40.98	-5.06	35.92	46.00	-10.08	QP
6	792.000	39.77	-3.78	35.99	46.00	-10.01	QP

Vertical



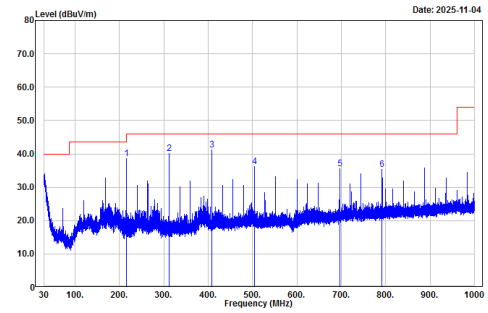

```
Site     : 966B Chamber
Condition: 3m vertical
Job No   : RLK250801005_Renesas
Model    : RRQ61051-009
Power    : From Test Development Board
Tester   : Derek
Temp./ Hum.: 20.6℃/ 59%
Memo     : N20-TX-5580
RBW/VBW  : QP:120k/500k
```

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	167.999	46.83	-14.13	32.70	43.50	-10.80	QP
2	311.979	43.57	-12.41	31.16	46.00	-14.84	QP
3	504.007	43.84	-8.10	35.74	46.00	-10.26	QP
4	696.002	44.30	-5.06	39.24	46.00	-6.76	QP
5	733.961	45.54	-4.54	41.00	46.00	-5.00	QP
6	792.000	40.14	-3.78	36.36	46.00	-9.64	QP

UNII-3 Band IV 5725~5850 MHz (Worst case is 802.11n20 Mode)

5785 MHz

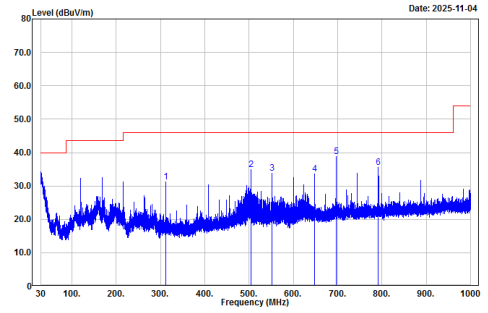
Horizontal




```
Site     : 966B Chamber
Condition: 3m horizontal
Job No   : RLK250801005
Model    : RRQ61051-009
Power    : From Test Development Board
Tester   : Derek
Temp./ Hum.: 20.6℃/ 59%
Memo     : N20-TX-5785
RBW/VBW  : QP:120k/500k
```

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	215.981	54.23	-15.64	38.59	43.50	-4.91	QP
2	311.979	52.54	-12.41	40.13	46.00	-5.87	QP
3	408.009	51.35	-10.11	41.24	46.00	-4.76	QP
4	504.007	44.31	-8.10	36.21	46.00	-9.79	QP
5	696.002	40.57	-5.06	35.51	46.00	-10.49	QP
6	792.000	39.09	-3.78	35.31	46.00	-10.69	QP

Vertical




```
Site     : 966B Chamber
Condition: 3m vertical
Job No   : RLK250801005
Model    : RRQ61051-009
Power    : From Test Development Board
Tester   : Derek
Temp./ Hum.: 20.6℃/ 59%
Memo     : N20-TX-5785
RBW/VBW  : QP:120k/500k
```

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	311.979	43.70	-12.41	31.29	46.00	-14.71	QP
2	504.007	43.02	-8.10	34.92	46.00	-11.08	QP
3	551.989	41.19	-7.28	33.91	46.00	-12.09	QP
4	647.987	39.10	-5.56	33.54	46.00	-12.46	QP
5	696.002	43.95	-5.06	38.89	46.00	-7.11	QP
6	792.000	39.25	-3.78	35.47	46.00	-10.53	QP

Level = Reading + Factor.

Over Limit = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

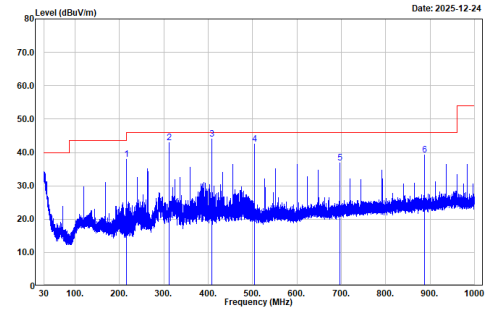
Test EUT Mode : RRQ61051-010

30MHz-1GHz:

UNII-1 Band I 5150~5250 MHz (Worst case is 802.11n20 Mode)

5200 MHz

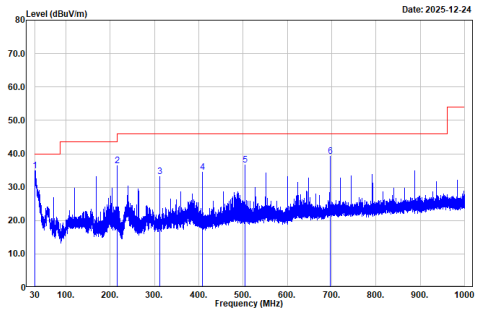
Horizontal




```
Site     : 966B Chamber
Condition: 3m horizontal
Job No   : RLK250801005
Model    : RRQ61051-010
Power    : From Test Development Board
Tester   : Derek
Temp./ Hum.: 20.7℃/ 53%
Memo     : N20-TX-5200
Memo     : RBW/VBW: QP:120k/500k
```

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	215.981	53.63	-15.64	37.99	43.50	-5.51	QP
2	311.979	55.37	-12.41	42.96	46.00	-3.04	QP
3 !	407.977	54.20	-10.11	44.09	46.00	-1.91	QP
4	504.007	50.65	-8.10	42.55	46.00	-3.45	QP
5	696.002	41.84	-5.06	36.78	46.00	-9.22	QP
6	887.997	41.92	-2.73	39.19	46.00	-6.81	QP

Vertical



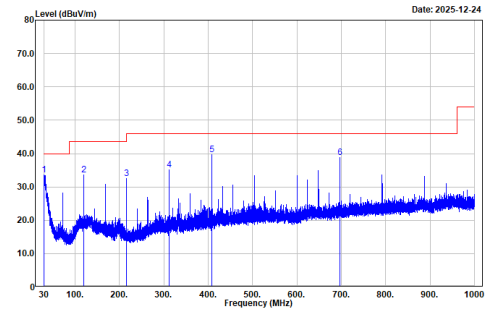

```
Site     : 966B Chamber
Condition: 3m vertical
Job No   : RLK250801005
Model    : RRQ61051-010
Power    : From Test Development Board
Tester   : Derek
Temp./ Hum.: 20.7℃/ 53%
Memo     : N20-TX-5200
Memo     : RBW/VBW: QP:120k/500k
```

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	30.259	37.85	-2.97	34.88	40.00	-5.12	QP
2	215.981	52.14	-15.64	36.50	43.50	-7.00	QP
3	311.979	45.59	-12.41	33.18	46.00	-12.82	QP
4	407.977	44.51	-10.11	34.40	46.00	-11.60	QP
5	504.007	44.72	-8.10	36.62	46.00	-9.38	QP
6	696.002	44.40	-5.06	39.34	46.00	-6.66	QP

UNII-2A Band II 5250~5350 MHz (Worst case is 802.11a Mode)

5260 MHz

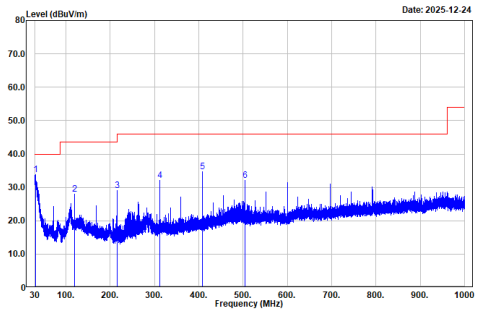
Horizontal




```
Site     : 966B Chamber
Condition: 3m horizontal
Job No   : RLK250801005
Model    : RRQ61051-010
Power    : From Test Development Board
Tester   : Derek
Temp./ Hum.: 20.7℃/ 53%
Memo     : A-TX-5260
Memo     : RBW/VBW: QP:120k/500k
```

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	30.162	36.55	-2.92	33.63	40.00	-6.37	QP
2	119.984	45.96	-12.30	33.66	43.50	-9.84	QP
3	215.981	48.06	-15.64	32.42	43.50	-11.08	QP
4	311.979	47.47	-12.41	35.06	46.00	-10.94	QP
5	407.977	49.80	-10.11	39.69	46.00	-6.31	QP
6	696.002	43.82	-5.06	38.76	46.00	-7.24	QP

Vertical




```
Site     : 966B Chamber
Condition: 3m vertical
Job No   : RLK250801005
Model    : RRQ61051-010
Power    : From Test Development Board
Tester   : Derek
Temp./ Hum.: 20.7℃/ 53%
Memo     : A-TX-5260
Memo     : RBW/VBW: QP:120k/500k
```

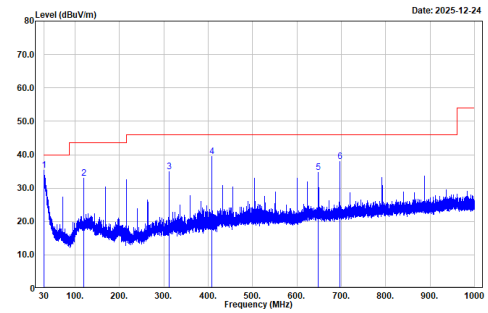
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	31.681	37.62	-3.71	33.91	40.00	-6.09	QP
2	119.984	40.37	-12.30	28.07	43.50	-15.43	QP
3	215.981	44.61	-15.64	28.97	43.50	-14.53	QP
4	311.979	44.44	-12.41	32.03	46.00	-13.97	QP
5	407.977	44.72	-10.11	34.61	46.00	-11.39	QP
6	504.007	40.09	-8.10	31.99	46.00	-14.01	QP

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

UNII-2C Band III 5470~5725 MHz (Worst case is 802.11n20 Mode)

5580 MHz

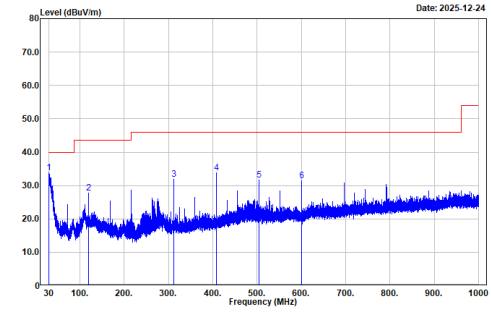
Horizontal




```
Site     : 966B Chamber
Condition: 3m horizontal
Job No   : RLK250801005_Renesas
Model    : RRQ61051-010
Power    : From Test Development Board
Tester   : Derek
Temp./ Hum.: 20.7℃/ 53%
Memo     : N20-TX-5580
Memo     : RBW/VBW: QP:120k/500k
```

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	30.711	38.48	-3.18	35.30	40.00	-4.70	QP
2	119.984	45.33	-12.30	33.03	43.50	-10.47	QP
3	311.979	47.25	-12.41	34.84	46.00	-11.16	QP
4	408.009	49.61	-10.11	39.50	46.00	-6.50	QP
5	647.987	40.16	-5.56	34.60	46.00	-11.40	QP
6	696.002	43.10	-5.06	38.04	46.00	-7.96	QP

Vertical



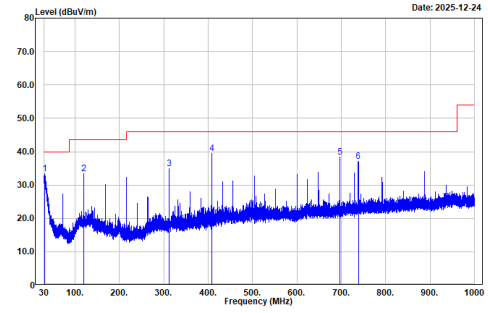

```
Site     : 966B Chamber
Condition: 3m vertical
Job No   : RLK250801005_Renesas
Model    : RRQ61051-010
Power    : From Test Development Board
Tester   : Derek
Temp./ Hum.: 20.7℃/ 53%
Memo     : N20-TX-5580
Memo     : RBW/VBW: QP:120k/500k
```

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	30.129	36.69	-2.91	33.78	40.00	-6.22	QP
2	119.984	40.14	-12.30	27.84	43.50	-15.66	QP
3	311.979	44.32	-12.41	31.91	46.00	-14.09	QP
4	407.977	43.86	-10.11	33.75	46.00	-12.25	QP
5	504.007	39.76	-8.10	31.66	46.00	-14.34	QP
6	600.004	38.49	-7.16	31.33	46.00	-14.67	QP

UNII-3 Band IV 5725~5850 MHz (Worst case is 802.11n20 Mode)

5785 MHz

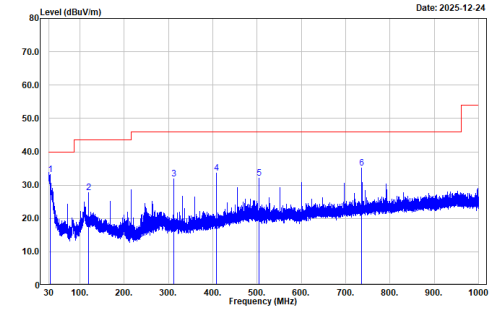
Horizontal




```
Site     : 966B Chamber
Condition: 3m horizontal
Job No   : RLK250801005
Model    : RRQ61051-010
Power    : From Test Development Board
Tester   : Derek
Temp./ Hum.: 20.7℃/ 53%
Memo     : N20-TX-5785
Memo     : RBW/VBW: QP:120k/500k
```

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	31.326	36.90	-3.50	33.40	40.00	-6.60	QP
2	119.984	45.66	-12.30	33.36	43.50	-10.14	QP
3	311.979	47.35	-12.41	34.94	46.00	-11.06	QP
4	407.977	49.61	-10.11	39.50	46.00	-6.50	QP
5	696.002	43.38	-5.06	38.32	46.00	-7.68	QP
6	738.294	41.50	-4.42	37.08	46.00	-8.92	E

Vertical




```
Site     : 966B Chamber
Condition: 3m vertical
Job No   : RLK250801005
Model    : RRQ61051-010
Power    : From Test Development Board
Tester   : Derek
Temp./ Hum.: 20.7℃/ 53%
Memo     : N20-TX-5785
Memo     : RBW/VBW: QP:120k/500k
```

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	33.072	37.78	-4.60	33.18	40.00	-6.82	QP
2	119.984	40.14	-12.30	27.84	43.50	-15.66	QP
3	311.979	44.23	-12.41	31.82	46.00	-14.18	QP
4	407.977	43.79	-10.11	33.68	46.00	-12.32	QP
5	503.974	40.28	-8.10	32.18	46.00	-13.82	QP
6	735.158	39.65	-4.55	35.10	46.00	-10.90	QP

Level = Reading + Factor.

Over Limit = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

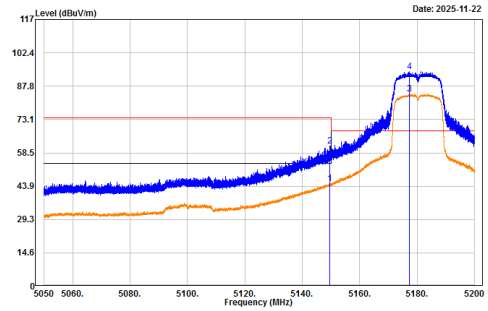
Test EUT Mode : RRQ61051-009

Band-Edge

UNII-1 Band I 5150~5250 MHz

802.11a Mode, 5180 MHz

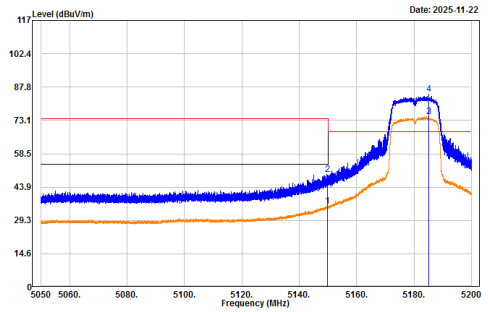
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : A-TX-5180
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5149.635	41.35	3.78	45.13	54.00	-8.87	Average
2	5149.635	57.83	3.78	61.61	74.00	-12.39	Peak
3	5177.305	80.46	3.80	84.26	------	------	Average
4	5177.305	90.24	3.80	94.04	------	------	Peak

Vertical

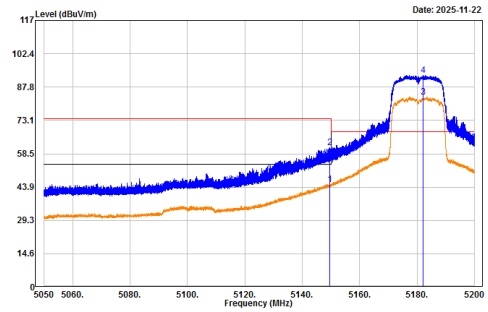


Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : A-TX-5180
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5149.870	31.61	3.78	35.39	54.00	-18.61	Average
2	5149.870	45.58	3.78	49.36	74.00	-24.64	Peak
3	5185.185	70.91	3.80	74.71	------	------	Average
4	5185.185	80.90	3.80	84.70	------	------	Peak

802.11 n20 Mode, 5180 MHz

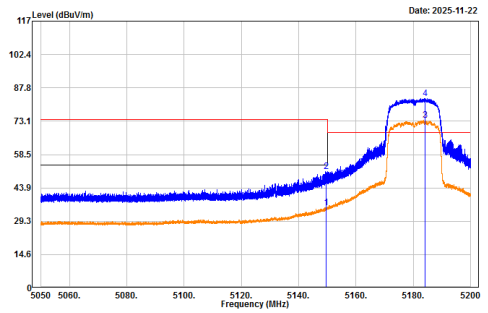
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : N20-TX-5180
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5149.545	41.38	3.78	45.16	54.00	-8.84	Average
2	5149.545	57.45	3.78	61.23	74.00	-12.77	Peak
3	5181.985	79.53	3.80	83.33	------	------	Average
4	5181.985	89.21	3.80	93.01	------	------	Peak

Vertical



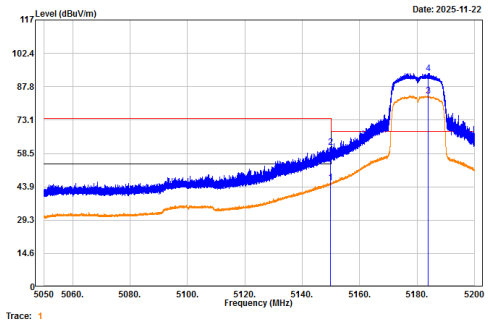
Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : N20-TX-5180
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5149.465	31.52	3.78	35.30	54.00	-18.70	Average
2	5149.465	47.27	3.78	51.05	74.00	-22.95	Peak
3	5184.085	69.71	3.80	73.51	------	------	Average
4	5184.085	79.39	3.80	83.19	------	------	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11 ac20 Mode, 5180 MHz

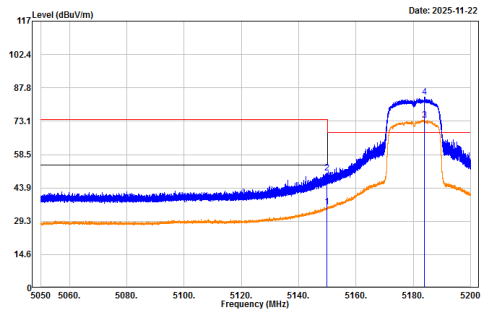
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : AC20-TX-5180
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5149.815	41.88	3.78	45.66	54.00	-8.34	Average
2	5149.815	57.53	3.78	61.31	74.00	-12.69	Peak
3	5183.925	79.85	3.80	83.65	------	------	Average
4	5183.925	89.84	3.80	93.64	------	------	Peak

Vertical

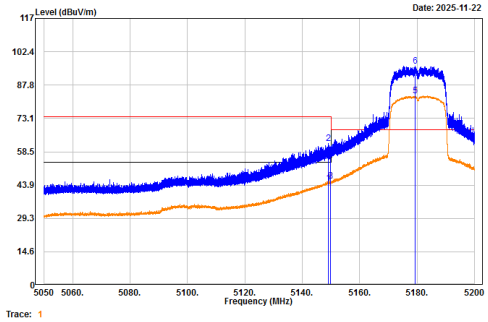


Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : AC20-TX-5180
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5149.880	31.70	3.78	35.48	54.00	-18.52	Average
2	5149.880	46.64	3.78	50.42	74.00	-23.58	Peak
3	5183.835	69.72	3.80	73.52	------	------	Average
4	5183.835	79.92	3.80	83.72	------	------	Peak

802.11 ax20 Mode, 5180 MHz

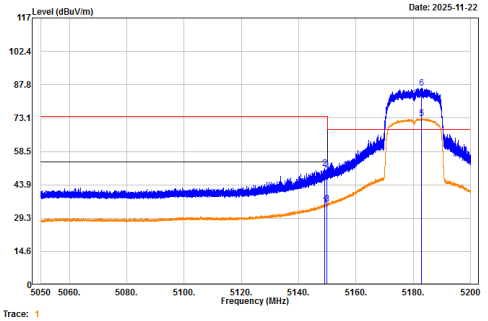
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : AX20-TX-5180
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5149.050	40.84	3.78	44.62	54.00	-9.38	Average
2	5149.050	58.42	3.78	62.20	74.00	-11.80	Peak
3	5149.880	41.88	3.78	45.66	54.00	-8.34	Average
4	5149.880	53.54	3.78	57.32	74.00	-16.68	Peak
5	5179.255	79.17	3.80	82.97	------	------	Average
6	5179.255	92.35	3.80	96.15	------	------	Peak

Vertical



Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : AX20-TX-5180
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

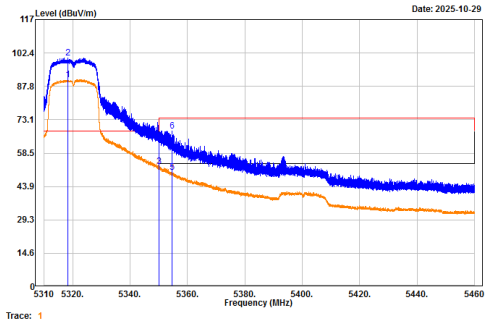
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5148.980	31.10	3.78	34.88	54.00	-19.12	Average
2	5148.980	47.17	3.78	50.95	74.00	-23.05	Peak
3	5149.820	31.70	3.78	35.48	54.00	-18.52	Average
4	5149.820	45.91	3.78	49.69	74.00	-24.31	Peak
5	5182.765	69.21	3.80	73.01	------	------	Average
6	5182.765	82.46	3.80	86.26	------	------	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

UNII-2A Band II 5250~5350 MHz

802.11a Mode, 5320 MHz

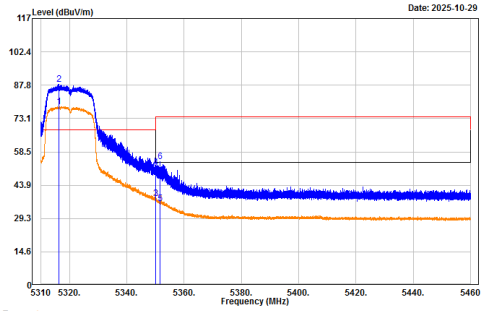
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 21.6℃/ 63%
Memo : A-TX-5320
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Limit Level	Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5318.310	86.75	4.04	90.79	------	------	Average
2	5318.310	96.07	4.04	100.11	------	------	Peak
3 !	5350.015	48.40	4.19	52.59	54.00	-1.41	Average
4	5350.015	58.80	4.19	62.99	74.00	-11.01	Peak
5	5354.640	45.97	4.21	50.18	54.00	-3.82	Average
6	5354.640	64.03	4.21	68.24	74.00	-5.76	Peak

Vertical

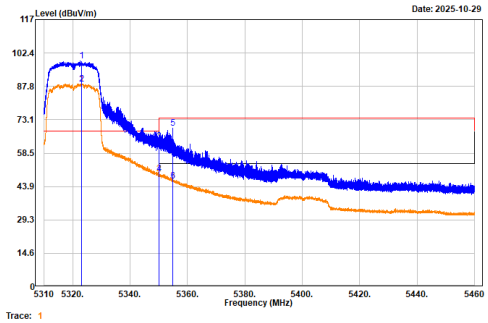


Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 21.6℃/ 63%
Memo : A-TX-5320
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Limit Level	Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5316.355	74.35	4.04	78.39	------	------	Average
2	5316.355	84.20	4.04	88.24	------	------	Peak
3	5350.005	33.90	4.19	38.09	54.00	-15.91	Average
4	5350.005	47.41	4.19	51.60	74.00	-22.40	Peak
5	5351.570	31.61	4.20	35.81	54.00	-18.19	Average
6	5351.570	50.03	4.20	54.23	74.00	-19.77	Peak

802.11 n20 Mode, 5320 MHz

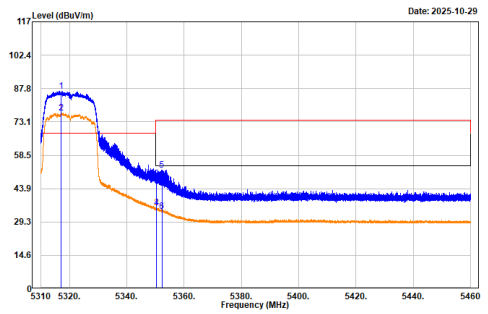
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 21.6℃/ 63%
Memo : N20-TX-5320
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Limit Level	Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5323.255	94.75	4.06	98.81	------	------	Peak
2	5323.255	84.88	4.06	88.94	------	------	Average
3	5350.115	59.43	4.19	63.62	74.00	-10.38	Peak
4	5350.115	45.12	4.19	49.31	54.00	-4.69	Average
5	5354.805	65.25	4.21	69.46	74.00	-4.54	Peak
6	5354.805	42.07	4.21	46.28	54.00	-7.72	Average

Vertical



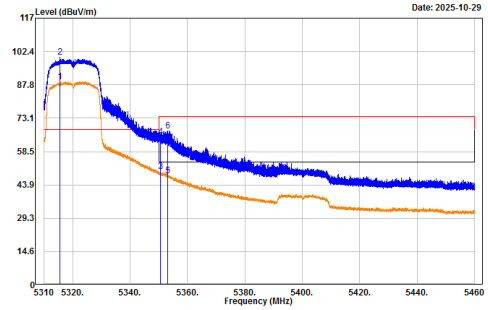
Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 21.6℃/ 63%
Memo : N20-TX-5320
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Limit Level	Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5317.190	82.60	4.04	86.64	------	------	Peak
2	5317.190	73.04	4.04	77.08	------	------	Average
3	5350.380	43.95	4.19	48.14	74.00	-25.86	Peak
4	5350.380	31.26	4.19	35.45	54.00	-18.55	Average
5	5352.240	47.93	4.20	52.13	74.00	-21.87	Peak
6	5352.240	29.77	4.20	33.97	54.00	-20.03	Average

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11 ac20 Mode, 5320 MHz

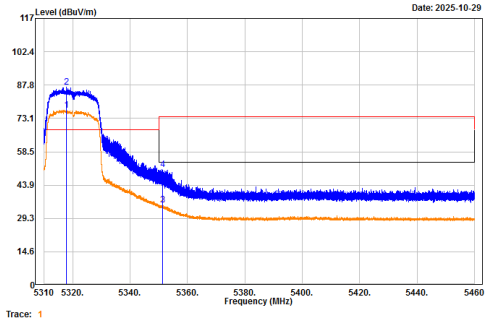
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 21.6℃/ 63%
Memo : AC20-TX-5320
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5315.565	85.10	4.03	89.13	------	------	Average
2	5315.565	95.88	4.03	99.91	------	------	Peak
3	5350.515	45.48	4.19	49.67	54.00	-4.33	Average
4	5350.515	60.77	4.19	64.96	74.00	-9.04	Peak
5	5353.210	43.83	4.20	48.03	54.00	-5.97	Average
6	5353.210	63.45	4.20	67.65	74.00	-6.35	Peak

Vertical

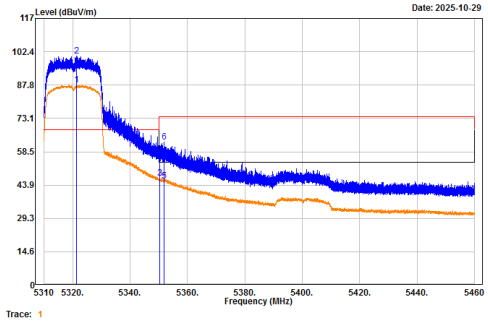


Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 21.6℃/ 63%
Memo : AC20-TX-5320
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5317.925	72.84	4.04	76.88	------	------	Average
2	5317.925	82.71	4.04	86.75	------	------	Peak
3	5351.350	30.91	4.20	35.11	54.00	-18.89	Average
4	5351.350	46.69	4.20	50.89	74.00	-23.11	Peak

802.11 ax20 Mode, 5320 MHz

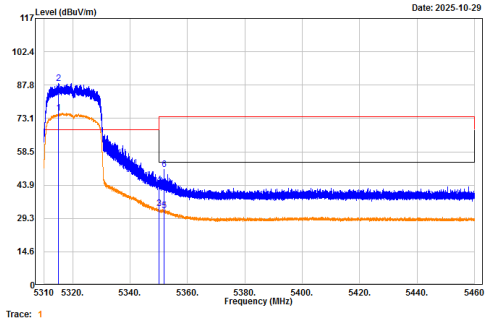
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 21.6℃/ 63%
Memo : AX20-TX-5320
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5321.295	83.83	4.06	87.89	------	------	Average
2	5321.295	96.42	4.06	100.48	------	------	Peak
3	5350.415	42.69	4.19	46.88	54.00	-7.12	Average
4	5350.415	50.23	4.19	54.42	74.00	-19.58	Peak
5	5351.765	41.36	4.20	45.56	54.00	-8.44	Average
6	5351.765	58.66	4.20	62.86	74.00	-11.14	Peak

Vertical



Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 21.6℃/ 63%
Memo : AX20-TX-5320
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

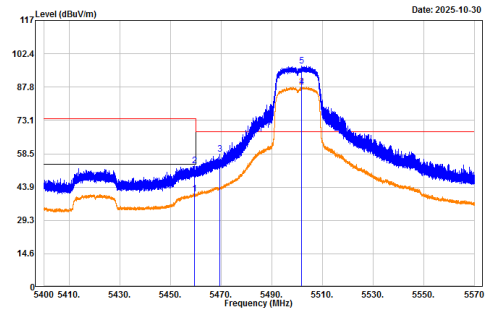
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5315.045	71.53	4.03	75.56	------	------	Average
2	5315.045	84.44	4.03	88.47	------	------	Peak
3	5350.050	29.42	4.19	33.61	54.00	-20.39	Average
4	5350.050	40.01	4.19	44.20	74.00	-29.80	Peak
5	5351.930	28.55	4.20	32.75	54.00	-21.25	Average
6	5351.930	46.50	4.20	50.70	74.00	-23.30	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

UNII-2C Band III 5470~5725 MHz

(802.11a Mode, 5500 MHz)

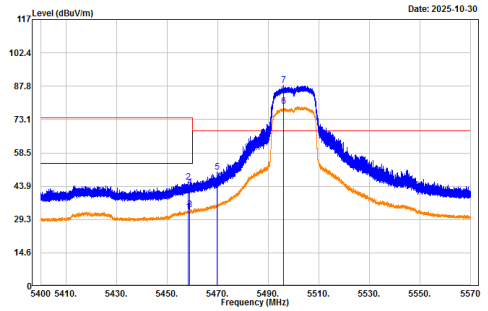
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : A-TX-5500
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5459.358	36.26	4.61	40.87	54.00	-13.13	Average
2	5459.358	48.74	4.61	53.35	74.00	-20.65	Peak
3	5469.383	53.58	4.70	58.28	68.20	-9.92	Peak
4	5501.785	82.85	4.96	87.81	------	------	Average
5	5501.785	92.05	4.96	97.01	------	------	Peak

Vertical

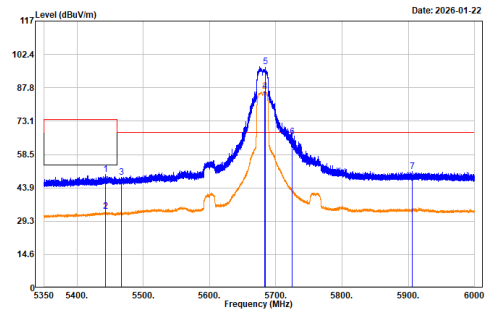


Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : A-TX-5500
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5458.395	27.95	4.61	32.56	54.00	-21.44	Average
2	5458.395	41.12	4.61	45.73	74.00	-28.27	Peak
3	5459.007	29.08	4.61	33.69	54.00	-20.31	Average
4	5459.007	38.95	4.61	43.56	74.00	-30.44	Peak
5	5469.796	45.28	4.70	49.98	68.20	-18.22	Peak
6	5496.050	73.92	4.93	78.85	------	------	Average
7	5496.050	83.09	4.93	88.02	------	------	Peak

(802.11a Mode, 5680 MHz)

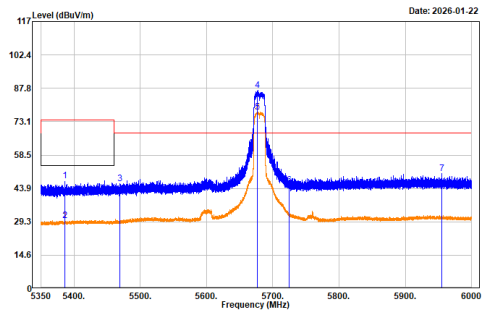
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 16.9℃/56%
Memo : A-TX-5680
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5443.253	45.27	4.52	49.79	74.00	-24.21	Peak
2	5443.253	29.00	4.52	33.52	54.00	-20.48	Average
3	5467.390	43.71	4.68	48.39	68.20	-19.81	Peak
4	5683.342	81.08	5.15	86.23	------	------	Average
5	5683.932	91.84	5.13	96.97	------	------	Peak
6 !	5725.000	61.10	5.31	66.41	68.20	-1.79	Peak
7	5905.620	44.91	6.25	51.16	68.20	-17.04	Peak

Vertical



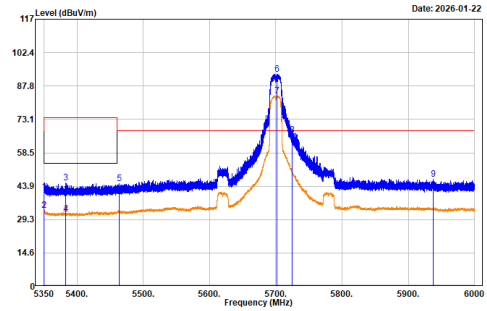
Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 16.9℃/56%
Memo : A-TX-5680
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5385.880	43.05	4.34	47.39	74.00	-26.61	Peak
2	5385.880	25.60	4.34	29.94	54.00	-24.06	Average
3	5468.755	41.21	4.69	45.90	68.20	-22.30	Peak
4	5676.668	81.83	5.13	86.96	------	------	Peak
5	5676.668	72.36	5.13	77.49	------	------	Average
6	5725.000	40.17	5.31	45.48	68.20	-22.72	Peak
7	5955.302	43.93	6.48	50.41	68.20	-17.79	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

(802.11a Mode, 5700 MHz)

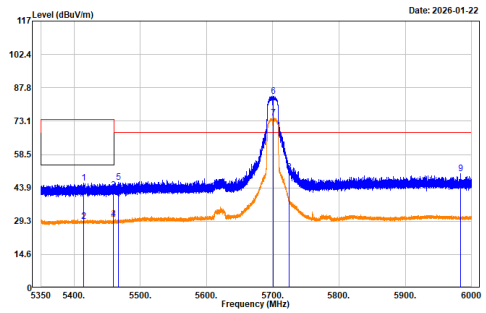
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 16.9℃/56%
Memo : A-TX-5700
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5350.650	37.34	4.19	41.53	74.00	-32.47	Peak
2	5350.650	29.07	4.19	33.26	54.00	-20.74	Average
3	5382.717	40.87	4.33	45.20	74.00	-28.80	Peak
4	5382.717	27.43	4.33	31.76	54.00	-22.24	Average
5	5464.032	40.44	4.65	45.09	68.20	-23.11	Peak
6	5701.672	87.72	5.21	92.93	------	------	Peak
7	5701.672	78.27	5.21	83.48	------	------	Average
8 !	5725.007	60.94	5.31	66.25	68.20	-1.95	Peak
9	5938.164	40.57	6.41	46.98	68.20	-21.22	Peak

Vertical

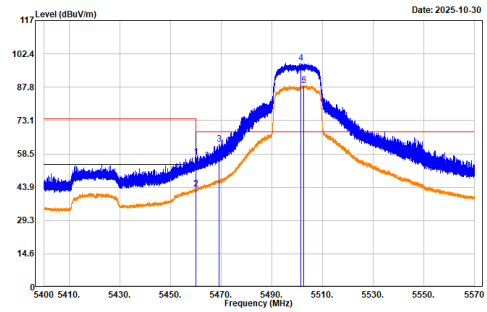


Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 16.9℃/56%
Memo : A-TX-5700
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5414.458	41.65	4.44	46.09	74.00	-27.91	Peak
2	5414.458	24.73	4.44	29.17	54.00	-24.83	Average
3	5459.481	38.17	4.62	42.79	74.00	-31.21	Peak
4	5459.481	25.43	4.62	30.05	54.00	-23.95	Average
5	5467.455	41.72	4.68	46.40	68.20	-21.80	Peak
6	5701.152	78.89	5.19	84.08	------	------	Peak
7	5701.152	69.25	5.19	74.44	------	------	Average
8	5725.000	45.42	5.31	50.73	68.20	-17.47	Peak
9	5983.317	43.39	6.56	49.95	68.20	-18.25	Peak

(802.11 n20 Mode, 5500 MHz)

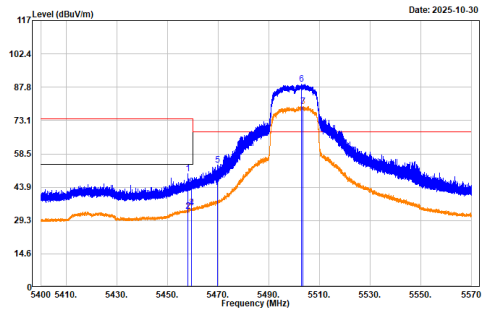
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : N20-TX-5500
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5459.976	52.40	4.62	57.02	74.00	-16.98	Peak
2	5459.976	38.49	4.62	43.11	54.00	-10.89	Average
3	5469.094	58.06	4.69	62.75	68.20	-5.45	Peak
4	5501.541	93.21	4.96	98.17	------	------	Peak
5	5502.668	83.63	4.96	88.59	------	------	Average

Vertical



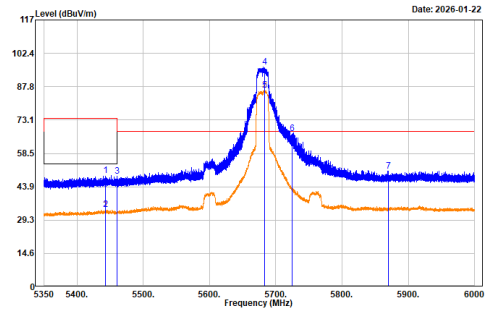
Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : N20-TX-5500
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5458.106	45.17	4.60	49.77	74.00	-24.23	Peak
2	5458.106	28.66	4.60	33.26	54.00	-20.74	Average
3	5459.522	39.54	4.62	44.16	74.00	-29.84	Peak
4	5459.522	30.13	4.62	34.75	54.00	-19.25	Average
5	5469.666	48.90	4.70	53.60	68.20	-14.60	Peak
6	5502.896	84.12	4.96	89.08	------	------	Peak
7	5503.349	74.39	4.96	79.35	------	------	Average

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

(802.11 n20 Mode, 5680 MHz)

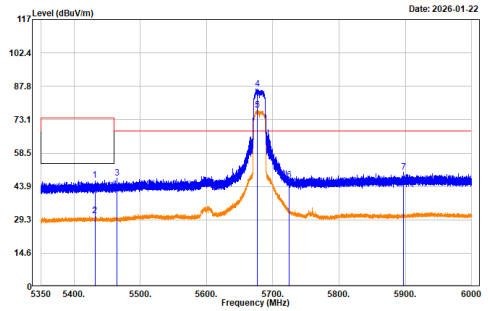
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 16.9℃/56%
Memo : N20-TX-5680
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5442.950	44.23	4.52	48.75	74.00	-25.25	Peak
2	5442.950	29.52	4.52	34.04	54.00	-19.96	Average
3	5460.608	43.81	4.62	48.43	68.20	-19.77	Peak
4	5683.298	91.14	5.14	96.28	------	------	Peak
5	5683.298	81.22	5.15	86.37	------	------	Average
6	5725.000	61.82	5.31	67.13	68.20	-1.07	Peak
7	5869.848	44.83	6.04	50.87	68.20	-17.33	Peak

Vertical

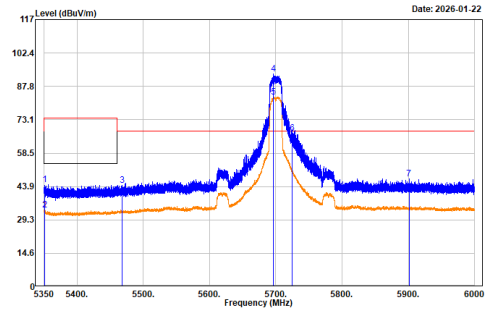


Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 16.9℃/56%
Memo : N20-TX-5680
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5431.510	42.27	4.48	46.75	74.00	-27.25	Peak
2	5431.510	26.44	4.48	30.92	54.00	-23.08	Average
3	5464.400	42.90	4.66	47.56	68.20	-20.64	Peak
4	5676.885	81.59	5.13	86.72	------	------	Peak
5	5676.885	72.21	5.13	77.34	------	------	Average
6	5725.000	41.39	5.31	46.70	68.20	-21.50	Peak
7	5897.408	43.83	6.21	50.04	68.20	-18.16	Peak

(802.11 n20 Mode, 5700 MHz)

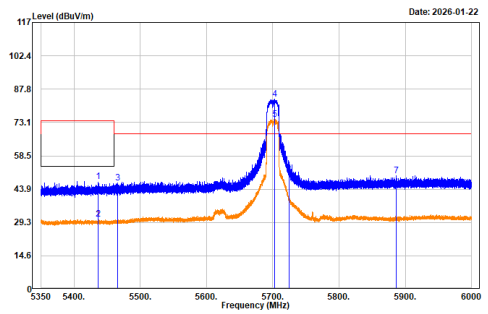
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 16.9℃/56%
Memo : N20-TX-5700
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5350.780	40.36	4.19	44.55	74.00	-29.45	Peak
2	5350.780	29.41	4.19	33.60	54.00	-20.40	Average
3	5467.845	39.84	4.68	44.52	68.20	-23.68	Peak
4	5695.995	88.05	5.18	93.23	------	------	Peak
5	5695.995	77.95	5.18	83.13	------	------	Average
6	5725.007	62.02	5.31	67.33	68.20	-0.87	Peak
7	5901.070	41.10	6.23	47.33	68.20	-20.87	Peak

Vertical



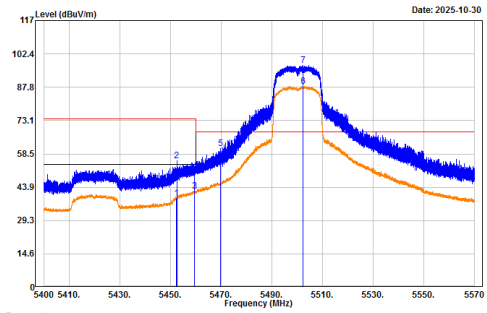
Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 16.9℃/56%
Memo : N20-TX-5700
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5436.710	42.70	4.50	47.20	74.00	-26.80	Peak
2	5436.710	26.20	4.50	30.70	54.00	-23.30	Average
3	5466.025	41.80	4.67	46.47	68.20	-21.73	Peak
4	5702.820	78.18	5.21	83.39	------	------	Peak
5	5702.820	69.25	5.21	74.46	------	------	Average
6	5725.000	44.91	5.31	50.22	68.20	-17.98	Peak
7	5885.860	43.67	6.14	49.81	68.20	-18.39	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

(802.11 ac20 Mode, 5500 MHz)

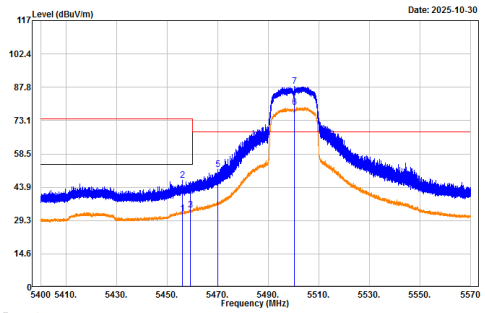
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : AC20-TX-5500
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5452.439	34.40	4.55	38.95	74.00	-35.05	Average
2	5452.439	50.97	4.55	55.52	74.00	-18.48	Peak
3	5459.506	37.64	4.62	42.26	74.00	-31.74	Average
4	5459.506	46.14	4.62	50.76	74.00	-23.24	Peak
5	5469.688	56.04	4.70	60.74	68.20	-7.46	Peak
6	5502.408	83.18	4.96	88.14	------	------	Average
7	5502.408	92.50	4.96	97.46	------	------	Peak

Vertical

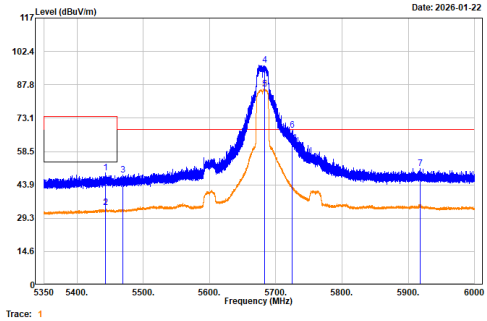


Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : AC20-TX-5500
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5456.049	27.76	4.59	32.35	54.00	-21.65	Average
2	5456.049	42.45	4.59	47.04	74.00	-26.96	Peak
3	5459.041	29.46	4.61	34.07	54.00	-19.93	Average
4	5459.041	37.24	4.61	41.85	74.00	-32.15	Peak
5	5469.989	46.98	4.70	51.68	68.20	-16.52	Peak
6	5500.323	74.05	4.96	79.01	------	------	Average
7	5500.323	83.06	4.96	88.02	------	------	Peak

(802.11 ac20 Mode, 5680 MHz)

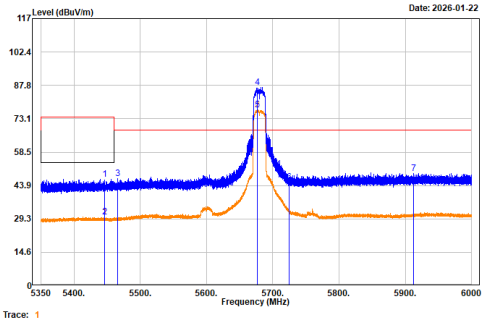
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 16.9℃/56%
Memo : AC20-TX-5680
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5443.231	44.66	4.52	49.18	74.00	-24.82	Peak
2	5443.231	29.32	4.52	33.84	54.00	-20.16	Average
3	5469.037	43.36	4.69	48.05	68.20	-20.15	Peak
4	5683.363	91.25	5.13	96.38	------	------	Peak
5	5683.363	80.66	5.15	85.81	------	------	Average
6 !	5725.000	62.53	5.31	67.84	68.20	-0.36	Peak
7	5917.493	44.81	6.31	51.12	68.20	-17.08	Peak

Vertical



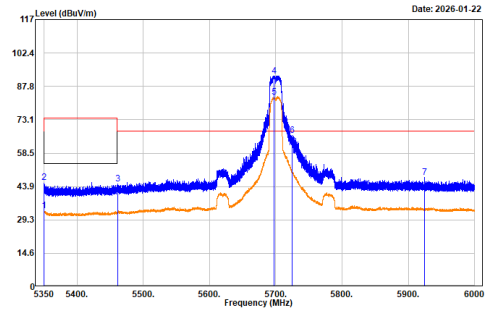
Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 16.9℃/56%
Memo : AC20-TX-5680
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5446.243	42.21	4.52	46.73	74.00	-27.27	Peak
2	5446.243	25.58	4.52	30.10	54.00	-23.90	Average
3	5466.025	42.24	4.67	46.91	68.20	-21.29	Peak
4	5677.080	81.69	5.15	86.84	------	------	Peak
5	5677.080	71.91	5.13	77.04	------	------	Average
6	5725.000	40.11	5.31	45.42	68.20	-22.78	Peak
7	5912.792	43.00	6.29	49.29	68.20	-18.91	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

(802.11 ac20 Mode, 5700 MHz)

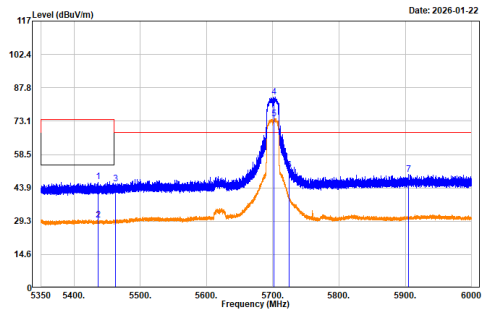
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 16.9℃/56%
Memo : AC20-TX-5700
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5350.477	29.17	4.19	33.36	74.00	-40.64	Peak
2	5350.477	41.50	4.19	45.69	74.00	-28.31	Peak
3	5462.039	40.48	4.64	45.12	68.20	-23.08	Peak
4	5697.577	87.15	5.19	92.34	------	------	Peak
5	5697.577	78.04	5.19	83.23	------	------	Average
6	5725.000	61.11	5.31	66.42	68.20	-1.78	Peak
7	5924.795	41.45	6.35	47.80	68.20	-20.40	Peak

Vertical

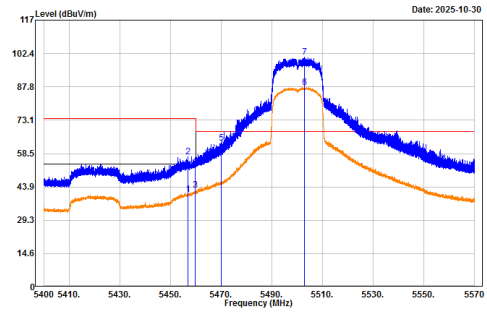


Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 16.9℃/56%
Memo : AC20-TX-5700
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5436.104	42.00	4.50	46.50	74.00	-27.50	Peak
2	5436.104	25.43	4.50	29.93	54.00	-24.07	Average
3	5462.385	41.00	4.64	45.64	68.20	-22.56	Peak
4	5701.715	78.39	5.21	83.60	------	------	Peak
5	5701.715	69.08	5.21	74.29	------	------	Average
6	5725.000	46.35	5.31	51.66	68.20	-16.54	Peak
7	5904.688	43.46	6.25	49.71	68.20	-18.49	Peak

(802.11 ax20 Mode, 5500 MHz)

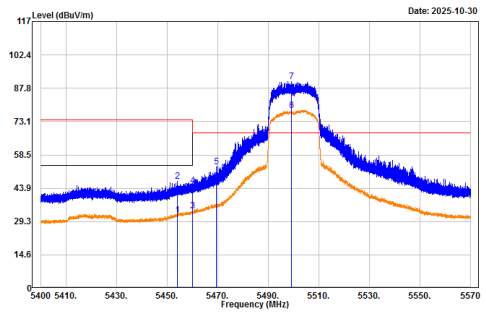
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : AX20-TX-5500
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5456.814	36.00	4.59	40.59	54.00	-13.41	Average
2	5456.814	52.48	4.59	57.07	74.00	-16.93	Peak
3	5459.840	37.85	4.62	42.47	54.00	-11.53	Average
4	5459.840	48.76	4.62	53.38	74.00	-20.62	Peak
5	5469.910	58.35	4.70	63.05	68.20	-5.15	Peak
6	5502.748	82.54	4.96	87.50	------	------	Average
7	5502.748	95.95	4.96	100.91	------	------	Peak

Vertical



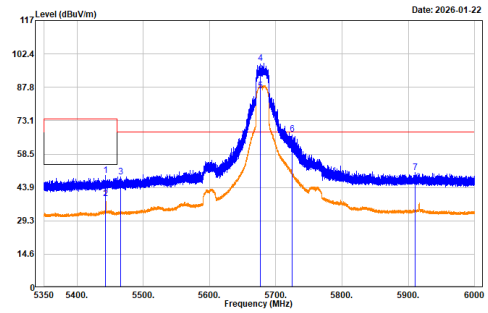
Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : AX20-TX-5500
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5453.958	27.34	4.57	31.91	54.00	-22.09	Average
2	5453.958	42.24	4.57	46.81	74.00	-27.19	Peak
3	5459.948	29.24	4.62	33.86	54.00	-20.14	Average
4	5459.948	40.49	4.62	45.11	74.00	-28.89	Peak
5	5469.513	48.64	4.70	53.34	68.20	-14.86	Peak
6	5499.167	73.20	4.95	78.15	------	------	Average
7	5499.167	85.75	4.95	90.70	------	------	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

(802.11 ax20 Mode, 5680 MHz)

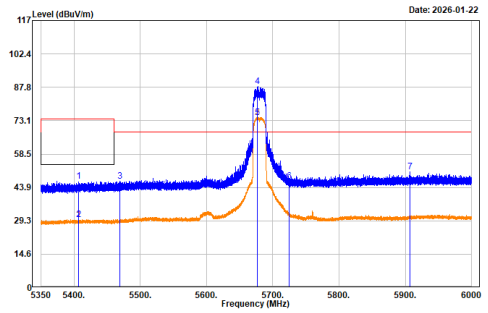
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 16.9℃/56%
Memo : AX20-TX-5680
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5443.253	44.59	4.52	49.11	74.00	-24.89	Peak
2	5443.253	34.56	4.52	39.08	54.00	-14.92	Average
3	5466.350	43.77	4.67	48.44	68.20	-19.76	Peak
4	5676.495	93.08	5.14	98.22	------	------	Peak
5	5676.495	81.13	5.13	86.26	------	------	Average
6 !	5725.000	61.78	5.31	67.09	68.20	-1.11	Peak
7	5910.170	44.27	6.28	50.55	68.20	-17.65	Peak

Vertical

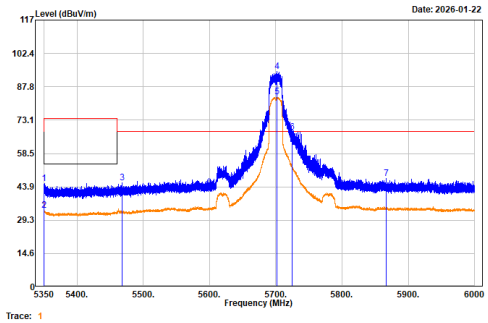


Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 16.9℃/56%
Memo : AX20-TX-5680
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5406.485	42.21	4.42	46.63	74.00	-27.37	Peak
2	5406.485	25.47	4.42	29.89	54.00	-24.11	Average
3	5469.470	41.86	4.70	46.56	68.20	-21.64	Peak
4	5676.430	83.11	5.14	88.25	------	------	Peak
5	5676.430	69.50	5.13	74.63	------	------	Average
6	5725.000	41.28	5.31	46.59	68.20	-21.61	Peak
7	5906.682	44.31	6.26	50.57	68.20	-17.63	Peak

(802.11 ax20 Mode, 5700 MHz)

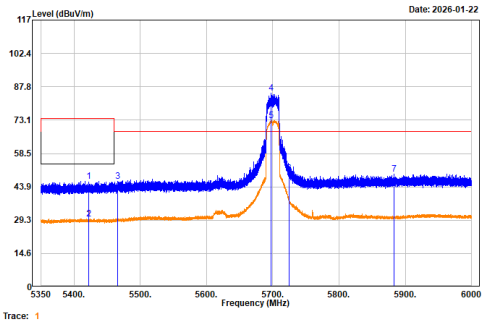
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 16.9℃/56%
Memo : AX20-TX-5700
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5350.325	41.25	4.19	45.44	74.00	-28.56	Peak
2	5350.325	29.31	4.19	33.50	54.00	-20.50	Average
3	5468.473	40.84	4.69	45.53	68.20	-22.67	Peak
4	5702.126	89.16	5.21	94.37	------	------	Peak
5	5702.126	78.09	5.21	83.30	------	------	Average
6 !	5725.007	62.63	5.31	67.94	68.20	-0.26	Peak
7	5866.729	41.43	6.01	47.44	68.20	-20.76	Peak

Vertical



Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 16.9℃/56%
Memo : AX20-TX-5700
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

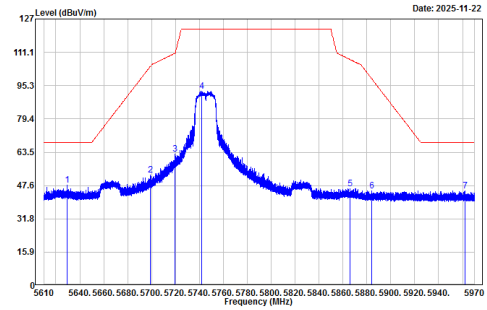
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5422.453	41.86	4.46	46.32	74.00	-27.68	Peak
2	5422.453	25.45	4.46	29.91	54.00	-24.09	Average
3	5465.483	41.48	4.66	46.14	68.20	-22.06	Peak
4	5697.598	79.67	5.19	84.86	------	------	Peak
5	5697.598	67.69	5.19	72.88	------	------	Average
6	5725.000	44.51	5.31	49.82	68.20	-18.38	Peak
7	5882.567	43.24	6.12	49.36	68.20	-18.84	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

UNII-3 Band IV 5725~5850 MHz

802.11a Mode, 5745 MHz

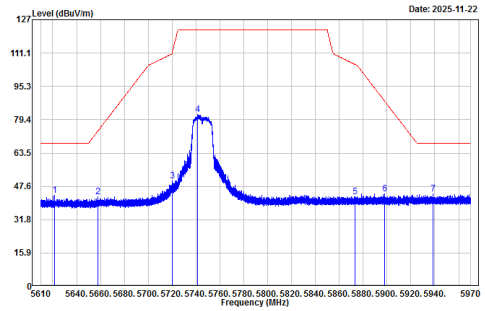
Horizontal



Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : A-TX-5745
Memo : RBW/VBW: PK:1M/3M

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5629.680	42.59	5.08	47.67	68.20	-20.53	Peak
2	5699.040	47.51	5.19	52.70	104.49	-51.79	Peak
3	5719.680	57.21	5.29	62.50	110.71	-48.21	Peak
4	5742.084	87.33	5.39	92.72	122.20	-29.48	Peak
5	5866.032	40.13	6.01	46.14	107.71	-61.57	Peak
6	5883.864	39.10	6.12	45.22	98.62	-53.40	Peak
7	5962.152	38.68	6.49	45.17	68.20	-23.03	Peak

Vertical

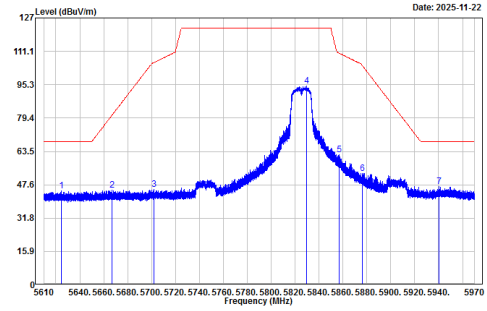


Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : A-TX-5745
Memo : RBW/VBW: PK:1M/3M

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5621.364	38.22	5.11	43.33	68.20	-24.87	Peak
2	5657.808	37.63	5.08	42.71	74.00	-31.29	Peak
3	5719.980	44.93	5.29	50.22	110.79	-60.57	Peak
4	5741.208	76.62	5.38	82.00	122.20	-40.20	Peak
5	5873.148	36.77	6.06	42.83	105.72	-62.89	Peak
6	5897.844	37.77	6.22	43.99	88.26	-44.27	Peak
7	5938.260	37.67	6.41	44.08	68.20	-24.12	Peak

802.11a Mode, 5825 MHz

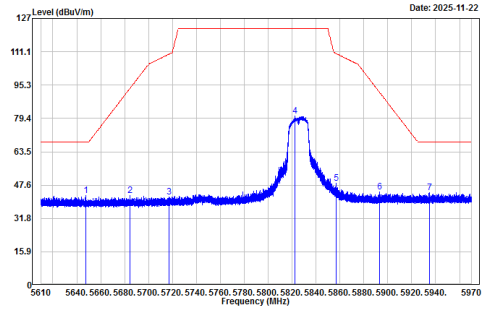
Horizontal



Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : A-TX-5825
Memo : RBW/VBW: PK:1M/3M

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5624.376	39.59	5.10	44.69	68.20	-23.51	Peak
2	5666.664	39.94	5.10	45.04	80.57	-35.53	Peak
3	5701.872	40.09	5.21	45.30	105.73	-60.43	Peak
4	5829.612	88.92	5.81	94.73	122.20	-27.47	Peak
5	5856.948	56.05	5.95	62.00	110.25	-48.25	Peak
6	5875.992	46.98	6.07	53.05	104.46	-51.41	Peak
7	5940.540	40.33	6.42	46.75	68.20	-21.45	Peak

Vertical



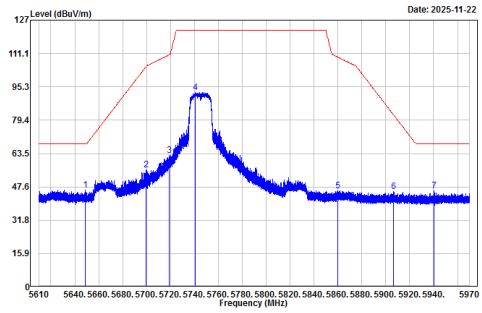
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : A-TX-5825
Memo : RBW/VBW: PK:1M/3M

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5647.296	37.66	5.07	42.73	68.20	-25.47	Peak
2	5684.340	37.44	5.15	42.59	93.65	-51.06	Peak
3	5716.860	36.64	5.28	41.92	109.92	-68.00	Peak
4	5822.340	74.61	5.77	80.38	122.20	-41.82	Peak
5	5856.792	42.68	5.95	48.63	110.30	-61.67	Peak
6	5893.356	38.15	6.18	44.33	91.58	-47.25	Peak
7	5934.744	37.66	6.39	44.05	68.20	-24.15	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11 n20 Mode, 5745 MHz

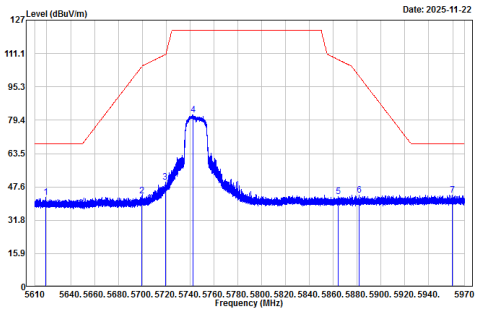
Horizontal



Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : N20-TX-5745
Memo : RBW/VBW: PK:1M/3M

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5648.616	40.95	5.06	46.01	68.20	-22.19	Peak
2	5699.352	50.47	5.19	55.66	104.72	-49.06	Peak
3	5718.816	57.35	5.29	62.64	110.47	-47.83	Peak
4	5740.920	87.33	5.38	92.71	122.20	-29.49	Peak
5	5859.888	39.87	5.97	45.84	109.43	-63.59	Peak
6	5906.184	39.03	6.25	45.28	82.09	-36.81	Peak
7	5940.300	39.41	6.42	45.83	68.20	-22.37	Peak

Vertical

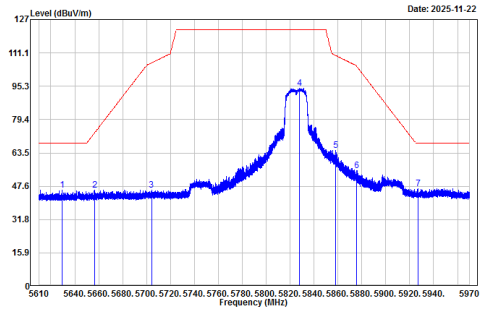


Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : N20-TX-5745
Memo : RBW/VBW: PK:1M/3M

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5619.276	37.69	5.11	42.80	68.20	-25.40	Peak
2	5699.508	38.25	5.19	43.44	104.84	-61.40	Peak
3	5719.248	44.71	5.29	50.00	110.59	-60.59	Peak
4	5742.384	76.55	5.39	81.94	122.20	-40.26	Peak
5	5864.004	37.06	5.99	43.05	108.28	-65.23	Peak
6	5881.668	37.56	6.10	43.66	100.25	-56.59	Peak
7	5959.788	37.37	6.49	43.86	68.20	-24.34	Peak

802.11 n20 Mode, 5825 MHz

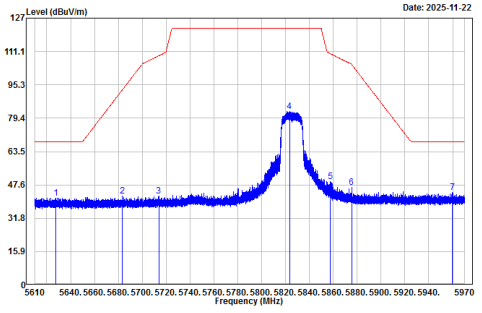
Horizontal



Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : N20-TX-5825
Memo : RBW/VBW: PK:1M/3M

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5629.668	40.70	5.08	45.78	68.20	-22.42	Peak
2	5656.764	40.81	5.07	45.88	73.22	-27.34	Peak
3	5704.116	40.58	5.22	45.80	106.35	-60.55	Peak
4	5827.980	88.46	5.80	94.26	122.20	-27.94	Peak
5	5857.968	58.72	5.96	64.68	109.97	-45.29	Peak
6	5875.884	49.15	6.07	55.22	104.54	-49.32	Peak
7	5926.932	40.27	6.36	46.63	68.20	-21.57	Peak

Vertical



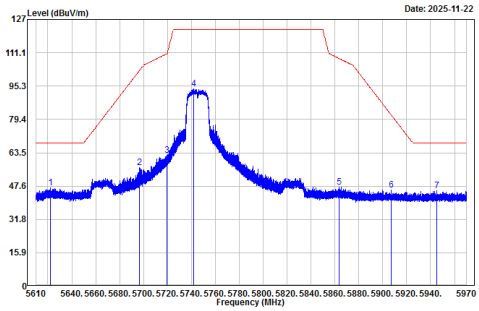
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : N20-TX-5825
Memo : RBW/VBW: PK:1M/3M

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5627.460	36.37	5.09	41.46	68.20	-26.74	Peak
2	5683.212	37.03	5.15	42.18	92.81	-50.63	Peak
3	5713.800	36.93	5.26	42.19	109.07	-66.88	Peak
4	5823.276	76.77	5.77	82.54	122.20	-39.66	Peak
5	5857.380	43.14	5.95	49.09	110.13	-61.04	Peak
6	5875.296	40.28	6.06	46.34	104.98	-58.64	Peak
7	5959.428	37.42	6.49	43.91	68.20	-24.29	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11 ac20 Mode, 5745 MHz

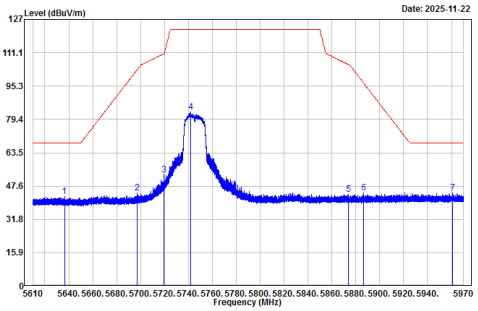
Horizontal



Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : AC20-TX-5745
Memo : RBW/VBW: PK:1M/3M

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5622.396	41.67	5.11	46.78	68.20	-21.42	Peak
2	5696.844	51.34	5.18	56.52	102.87	-46.35	Peak
3	5719.680	57.16	5.29	62.45	110.71	-48.26	Peak
4	5741.748	88.44	5.39	93.83	122.20	-28.37	Peak
5	5863.344	41.22	5.99	47.21	108.46	-61.25	Peak
6	5907.216	39.65	6.26	45.91	81.32	-35.41	Peak
7	5945.328	38.93	6.44	45.37	68.20	-22.83	Peak

Vertical

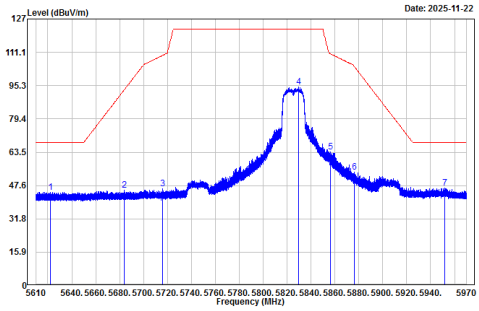


Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : AC20-TX-5745
Memo : RBW/VBW: PK:1M/3M

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5636.388	37.45	5.08	42.53	68.20	-25.67	Peak
2	5697.432	39.29	5.18	44.47	103.31	-58.84	Peak
3	5719.704	47.55	5.29	52.84	110.72	-57.88	Peak
4	5742.060	77.44	5.39	82.83	122.20	-39.37	Peak
5	5873.880	37.61	6.06	43.67	105.51	-61.84	Peak
6	5886.624	38.29	6.14	44.43	96.57	-52.14	Peak
7	5960.832	38.00	6.49	44.49	68.20	-23.71	Peak

802.11 ac20 Mode, 5825 MHz

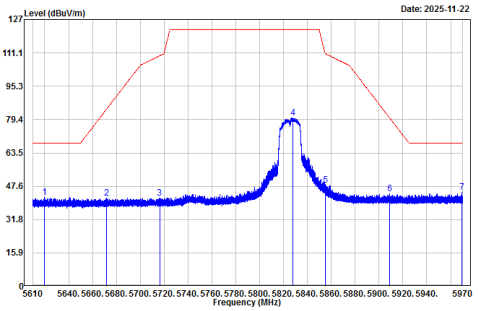
Horizontal



Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : AC20-TX-5825
Memo : RBW/VBW: PK:1M/3M

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5621.964	39.43	5.11	44.54	68.20	-23.66	Peak
2	5683.872	40.24	5.15	45.39	93.30	-47.91	Peak
3	5715.900	40.69	5.27	45.96	109.65	-63.69	Peak
4	5829.372	88.71	5.81	94.52	122.20	-27.68	Peak
5	5856.492	57.67	5.95	63.62	110.38	-46.76	Peak
6	5876.136	48.00	6.07	54.07	104.36	-50.29	Peak
7	5951.652	39.95	6.47	46.42	68.20	-21.78	Peak

Vertical



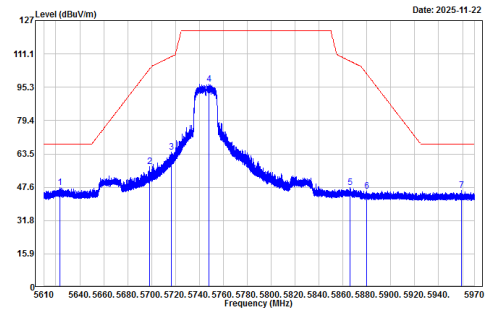
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : AC20-TX-5825
Memo : RBW/VBW: PK:1M/3M

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5619.540	37.27	5.11	42.38	68.20	-25.82	Peak
2	5672.028	36.90	5.11	42.01	84.54	-42.53	Peak
3	5716.212	36.76	5.27	42.03	109.74	-67.71	Peak
4	5828.064	74.50	5.80	80.30	122.20	-41.90	Peak
5	5855.184	42.36	5.94	48.30	110.75	-62.45	Peak
6	5909.004	37.94	6.27	44.21	80.00	-35.79	Peak
7	5969.124	38.10	6.52	44.62	68.20	-23.58	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11 ax20 Mode, 5745 MHz

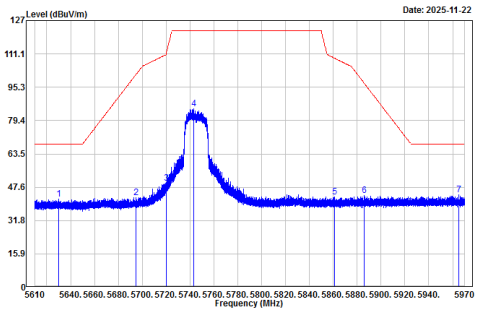
Horizontal



Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : AX20-TX-5745
Memo : RBW/VBW: PK:1M/3M

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5623.656	42.38	5.10	47.48	68.20	-20.72	Peak
2	5698.476	52.22	5.19	57.41	104.08	-46.67	Peak
3	5716.620	59.24	5.28	64.52	109.86	-45.34	Peak
4	5747.772	91.31	5.42	96.73	122.20	-25.47	Peak
5	5865.960	41.36	6.01	47.37	107.73	-60.36	Peak
6	5879.880	39.71	6.09	45.80	101.58	-55.78	Peak
7	5959.308	39.57	6.49	46.06	68.20	-22.14	Peak

Vertical

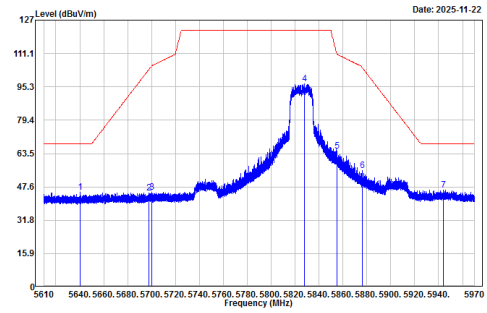


Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : AX20-TX-5745
Memo : RBW/VBW: PK:1M/3M

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5629.932	36.87	5.08	41.95	68.20	-26.25	Peak
2	5694.828	37.48	5.18	42.66	101.39	-58.73	Peak
3	5720.004	44.30	5.29	49.59	110.81	-61.22	Peak
4	5742.924	79.51	5.39	84.90	122.20	-37.30	Peak
5	5861.148	36.91	5.98	42.89	109.08	-66.19	Peak
6	5885.952	37.53	6.14	43.67	97.07	-53.40	Peak
7	5964.984	37.41	6.50	43.91	68.20	-24.29	Peak

802.11 ax20 Mode, 5825 MHz

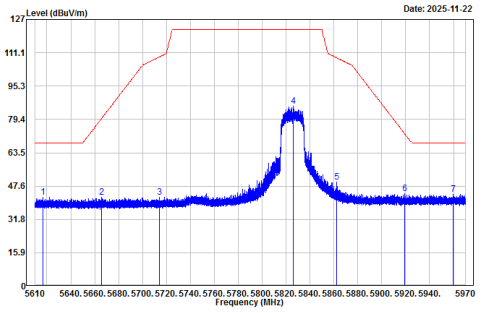
Horizontal



Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : AX20-TX-5825
Memo : RBW/VBW: PK:1M/3M

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5640.432	39.90	5.07	44.97	68.20	-23.23	Peak
2	5697.864	39.70	5.19	44.89	103.63	-58.74	Peak
3	5700.228	40.05	5.19	45.24	105.26	-60.02	Peak
4	5828.064	90.93	5.80	96.73	122.20	-25.47	Peak
5	5855.172	58.83	5.94	64.77	110.75	-45.98	Peak
6	5875.956	49.40	6.07	55.47	104.49	-49.02	Peak
7	5943.696	39.79	6.43	46.22	68.20	-21.98	Peak

Vertical



Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : AX20-TX-5825
Memo : RBW/VBW: PK:1M/3M

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5616.540	37.26	5.11	42.37	68.20	-25.83	Peak
2	5666.004	37.07	5.10	42.17	80.08	-37.91	Peak
3	5714.232	37.19	5.26	42.45	109.19	-66.74	Peak
4	5825.796	79.77	5.78	85.55	122.20	-36.65	Peak
5	5862.192	43.42	5.98	49.40	108.78	-59.38	Peak
6	5919.156	37.58	6.32	43.90	72.51	-28.61	Peak
7	5959.620	37.28	6.49	43.77	68.20	-24.43	Peak

Level = Reading + Factor.

Over Limit = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

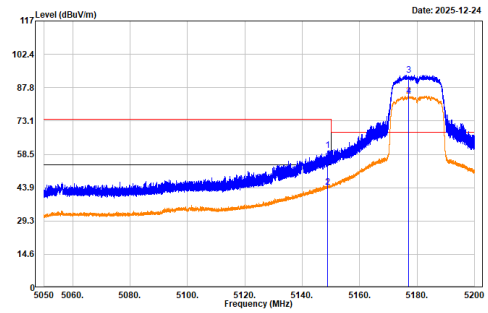
Test EUT Mode : RRQ61051-010

Band-Edge

UNII-1 Band I 5150~5250 MHz

802.11n20 Mode, 5180 MHz

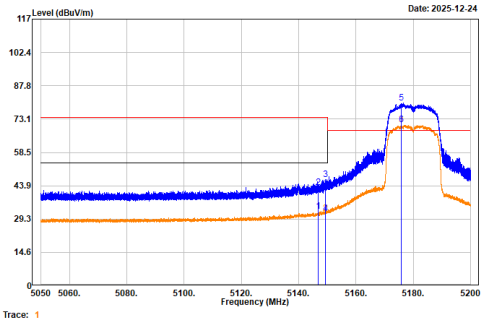
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 57%
Memo : N20-TX-5180
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5148.915	56.48	3.78	60.26	74.00	-13.74	Peak
2	5148.915	40.32	3.78	44.10	54.00	-9.90	Average
3	5176.935	89.54	3.80	93.34	------	------	Peak
4	5176.935	80.30	3.80	84.10	------	------	Average

Vertical



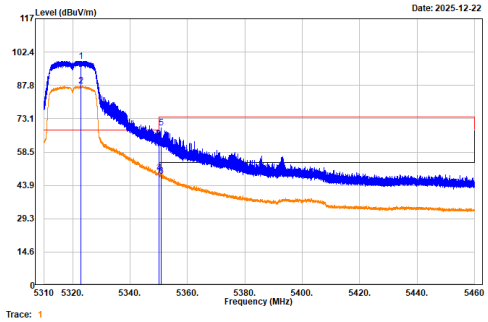
Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 57%
Memo : N20-TX-5180
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5146.705	29.03	3.77	32.80	54.00	-21.20	Average
2	5146.710	39.25	3.77	43.02	74.00	-30.98	Peak
3	5149.350	42.84	3.78	46.62	74.00	-27.38	Peak
4	5149.350	27.99	3.78	31.77	54.00	-22.23	Average
5	5175.780	76.32	3.79	80.11	------	------	Peak
6	5175.780	66.79	3.79	70.58	------	------	Average

UNII-2A Band II 5250~5350 MHz

802.11 a Mode, 5320 MHz

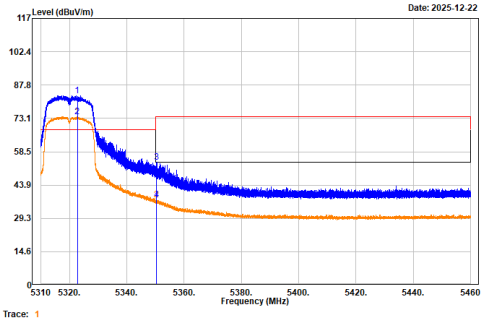
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 57%
Memo : A-TX-5320
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5322.765	94.38	4.06	98.44	------	------	Peak
2	5322.765	83.61	4.06	87.67	------	------	Average
3	5350.070	59.94	4.19	64.13	74.00	-9.87	Peak
4	5350.070	45.27	4.19	49.46	54.00	-4.54	Average
5	5350.910	64.82	4.19	69.01	74.00	-4.99	Peak
6	5350.910	43.60	4.19	47.79	74.00	-26.21	Peak

Vertical



Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 57%
Memo : A-TX-5320
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

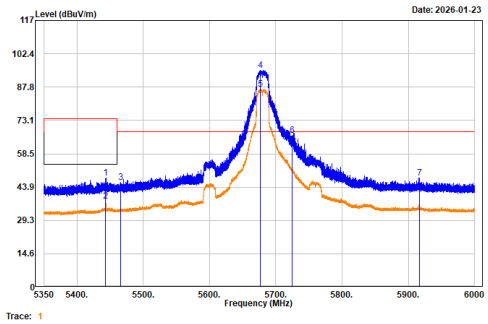
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5322.760	79.09	4.04	83.13	------	------	Peak
2	5322.760	69.90	4.06	73.96	------	------	Average
3	5350.270	49.56	4.19	53.75	74.00	-20.25	Peak
4	5350.270	33.16	4.19	37.35	54.00	-16.65	Average

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

UNII-2C Band III 5470~5725 MHz

802.11n20 Mode, 5680 MHz

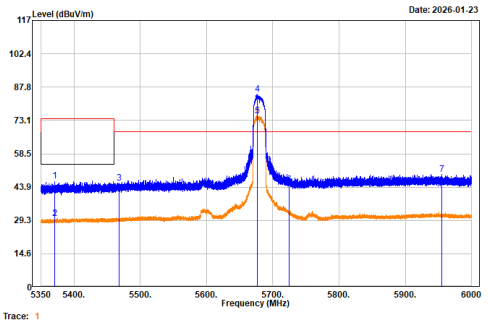
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 16.5℃/56%
Memo : N20-TX-5680
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5443.427	43.48	4.52	48.00	74.00	-26.00	Peak
2	5443.427	33.23	4.52	37.75	54.00	-16.25	Average
3	5466.394	41.17	4.67	45.84	68.20	-22.36	Peak
4	5676.777	89.95	5.13	95.08	------	------	Peak
5	5676.777	81.75	5.13	86.88	------	------	Average
6 !	5725.000	61.40	5.31	66.71	68.20	-1.49	Peak
7	5916.605	41.47	6.31	47.78	68.20	-20.42	Peak

Vertical



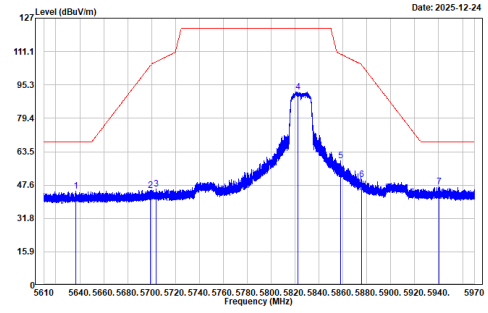
Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 16.5℃/56%
Memo : N20-TX-5680
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5371.190	42.34	4.28	46.62	74.00	-27.38	Peak
2	5371.190	25.98	4.28	30.26	54.00	-23.74	Average
3	5467.693	41.10	4.68	45.78	68.20	-22.42	Peak
4	5676.993	79.45	5.13	84.58	------	------	Peak
5	5676.993	70.12	5.13	75.25	------	------	Average
6	5725.000	39.62	5.31	44.93	68.20	-23.27	Peak
7	5955.605	42.88	6.48	49.36	68.20	-18.84	Peak

UNII-3 Band IV 5725~5850 MHz

802.11 n20 Mode, 5825 MHz

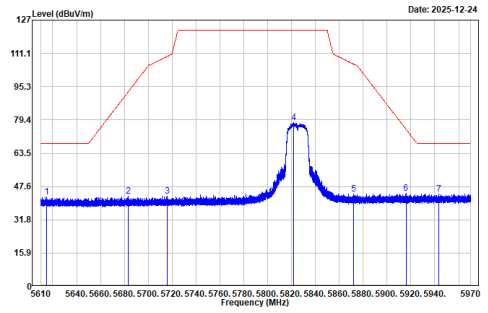
Horizontal



Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 57%
Memo : N20-TX-5825
Memo : RBW/VBW: PK:1M/3M

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5636.568	39.67	5.08	44.75	68.20	-23.45	Peak
2	5699.040	40.05	5.19	45.24	104.49	-59.25	Peak
3	5703.828	40.53	5.22	45.75	106.27	-60.52	Peak
4	5822.340	86.29	5.77	92.06	122.20	-30.14	Peak
5	5857.812	53.08	5.96	59.04	110.01	-50.97	Peak
6	5875.668	44.04	6.06	50.10	104.70	-54.60	Peak
7	5940.576	40.29	6.42	46.71	68.20	-21.49	Peak

Vertical



Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 57%
Memo : N20-TX-5825
Memo : RBW/VBW: PK:1M/3M

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5615.184	37.53	5.11	42.64	68.20	-25.56	Peak
2	5683.320	37.74	5.15	42.89	92.89	-50.00	Peak
3	5715.984	37.83	5.27	43.10	109.68	-66.58	Peak
4	5821.632	72.39	5.77	78.16	122.20	-44.04	Peak
5	5872.188	38.16	6.05	44.21	105.99	-61.78	Peak
6	5915.832	37.93	6.30	44.23	74.96	-30.73	Peak
7	5943.444	37.78	6.43	44.21	68.20	-23.99	Peak

Level = Reading + Factor.

Over Limit = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

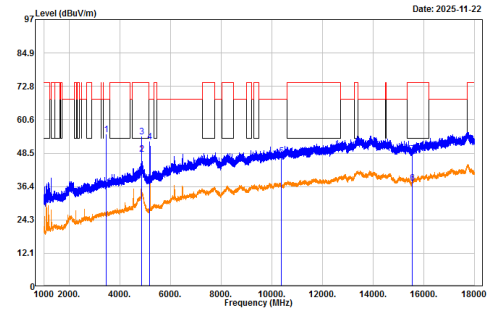
Test EUT Mode : RRQ61051-009

1GHz-18GHz:

UNII-1 Band I 5150~5250 MHz

802.11a Mode, 5180 MHz

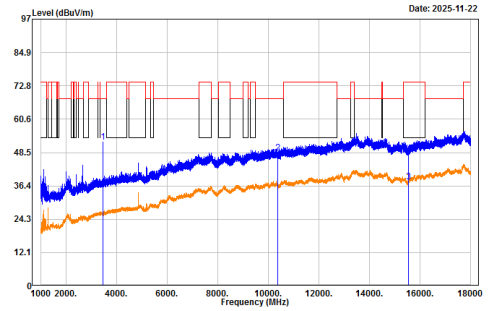
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : A-TX-5180
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3453.667	54.23	1.08	55.31	68.20	-12.89	Peak
2	4856.733	44.70	3.39	48.09	54.00	-5.91	Average
3	4856.733	50.96	3.39	54.35	74.00	-19.65	Peak
4	5183.133	48.85	3.80	52.65	68.20	-15.55	Peak
5	10360.000	34.42	13.02	47.44	68.20	-20.76	Peak
6	15540.000	23.06	14.65	37.71	54.00	-16.29	Average
7	15540.000	33.52	14.65	48.17	74.00	-25.83	Peak

Vertical

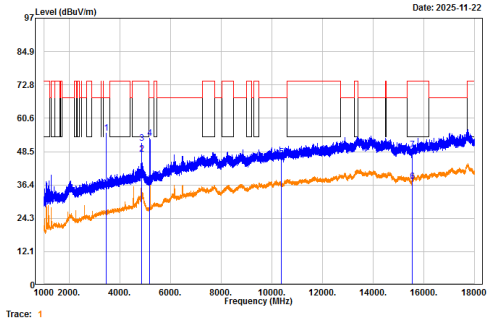


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : A-TX-5180
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3453.667	51.27	1.08	52.35	68.20	-15.85	Peak
2	10360.000	35.43	13.02	48.45	68.20	-19.75	Peak
3	15540.000	23.17	14.65	37.82	54.00	-16.18	Average
4	15540.000	33.12	14.65	47.77	74.00	-26.23	Peak

802.11 n20 Mode, 5180 MHz

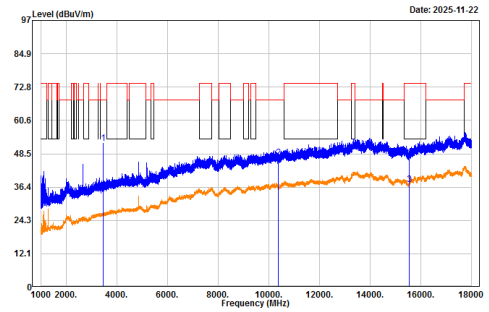
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : N20-TX-5180
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3453.667	54.10	1.08	55.18	68.20	-13.02	Peak
2	4856.167	44.21	3.39	47.60	54.00	-6.40	Average
3	4856.167	48.22	3.39	51.61	74.00	-22.39	Peak
4	5184.267	49.66	3.80	53.46	68.20	-14.74	Peak
5	10360.000	33.64	13.02	46.66	68.20	-21.54	Peak
6	15540.000	23.06	14.65	37.71	54.00	-16.29	Average
7	15540.000	34.48	14.65	49.13	74.00	-24.87	Peak

Vertical



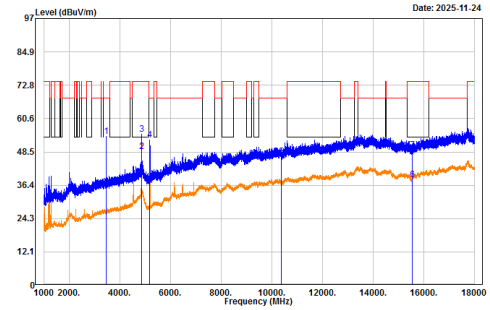
Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : N20-TX-5180
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3453.667	51.20	1.08	52.28	68.20	-15.92	Peak
2	10360.000	34.07	13.02	47.09	68.20	-21.11	Peak
3	15540.000	22.79	14.65	37.44	54.00	-16.56	Average
4	15540.000	32.77	14.65	47.42	74.00	-26.58	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11 ac20 Mode, 5180 MHz

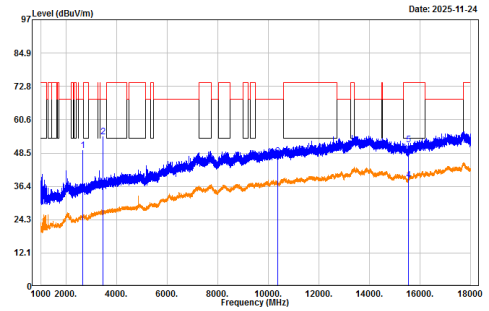
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : AC20-TX-5180
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3453.667	52.99	1.08	54.07	68.20	-14.13	Peak
2	4856.167	45.30	3.39	48.69	54.00	-5.31	Average
3	4856.733	51.68	3.39	55.07	74.00	-18.93	Peak
4	5185.967	49.11	3.80	52.91	68.20	-15.29	Peak
5	10360.000	33.87	13.02	46.89	68.20	-21.31	Peak
6	15540.000	23.85	14.65	38.50	54.00	-15.50	Average
7	15540.000	34.63	14.65	49.28	74.00	-24.72	Peak

Vertical

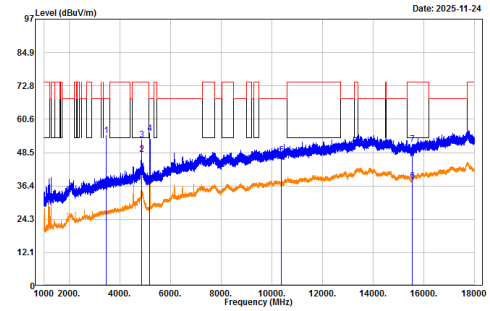


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : AC20-TX-5180
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	2666.000	50.61	-1.15	49.46	68.20	-18.74	Peak
2	3453.667	53.32	1.08	54.40	68.20	-13.80	Peak
3	10360.000	34.23	13.02	47.25	68.20	-20.95	Peak
4	15540.000	23.98	14.65	38.63	54.00	-15.37	Average
5	15540.000	36.75	14.65	51.40	74.00	-22.60	Peak

802.11 ax20 Mode, 5180 MHz

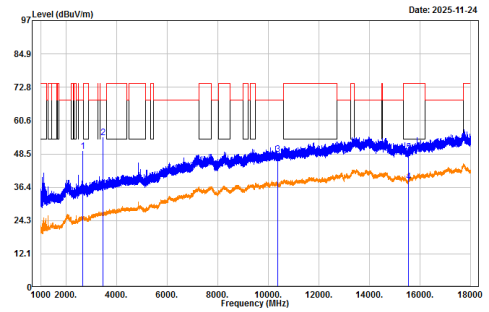
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : AX20-TX-5180
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3453.667	53.58	1.08	54.66	68.20	-13.54	Peak
2	4857.300	44.36	3.39	47.75	54.00	-6.25	Average
3	4857.300	49.67	3.39	53.06	74.00	-20.94	Peak
4	5180.867	51.56	3.80	55.36	68.20	-12.84	Peak
5	10360.000	34.49	13.02	47.51	68.20	-20.69	Peak
6	15540.000	23.57	14.65	38.22	54.00	-15.78	Average
7	15540.000	36.78	14.65	51.43	74.00	-22.57	Peak

Vertical



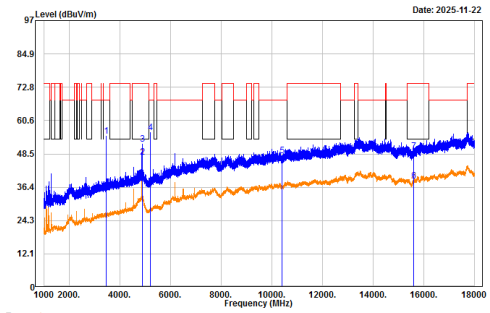
Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : AX20-TX-5180
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	2658.067	50.78	-1.32	49.46	68.20	-18.74	Peak
2	3453.667	53.36	1.08	54.44	68.20	-13.76	Peak
3	10360.000	35.39	13.02	48.41	68.20	-19.79	Peak
4	15540.000	23.83	14.65	38.48	54.00	-15.52	Average
5	15540.000	34.60	14.65	49.25	74.00	-24.75	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11a Mode, 5200 MHz

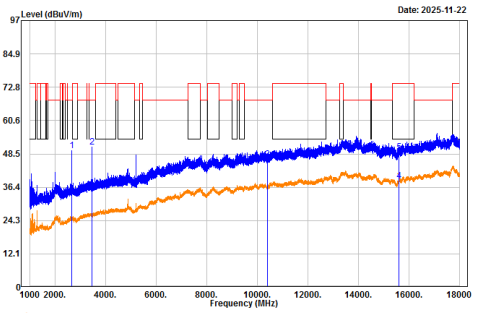
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : A-TX-5200
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3466.700	53.94	1.06	55.00	68.20	-13.20	Peak
2	4874.867	43.87	3.43	47.30	54.00	-6.70	Average
3	4874.867	48.54	3.43	51.97	74.00	-22.03	Peak
4	5203.533	52.57	3.81	56.38	68.20	-11.82	Peak
5	10400.000	34.85	12.99	47.84	68.20	-20.36	Peak
6	15600.000	24.12	14.39	38.51	54.00	-15.49	Average
7	15600.000	34.94	14.39	49.33	74.00	-24.67	Peak

Vertical

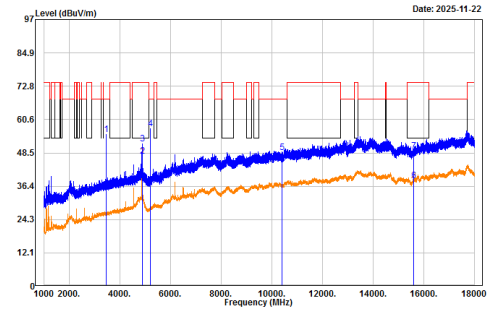


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : A-TX-5200
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	2656.933	51.06	-1.34	49.72	68.20	-18.48	Peak
2	3466.700	49.86	1.06	50.92	68.20	-17.28	Peak
3	10400.000	33.67	12.99	46.66	68.20	-21.54	Peak
4	15600.000	24.36	14.39	38.75	54.00	-15.25	Average
5	15600.000	34.88	14.39	49.27	74.00	-24.73	Peak

802.11 n20 Mode, 5200 MHz

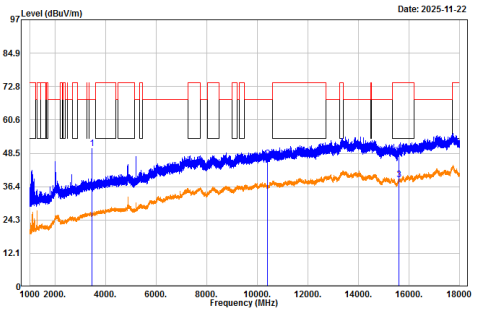
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : N20-TX-5200
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3466.700	54.15	1.06	55.21	68.20	-12.99	Peak
2	4874.867	43.80	3.43	47.23	54.00	-6.77	Average
3	4874.867	48.23	3.43	51.66	74.00	-22.34	Peak
4	5204.667	53.56	3.81	57.37	68.20	-10.83	Peak
5	10400.000	35.55	12.99	48.54	68.20	-19.66	Peak
6	15600.000	23.91	14.39	38.30	54.00	-15.70	Average
7	15600.000	34.80	14.39	49.19	74.00	-24.81	Peak

Vertical



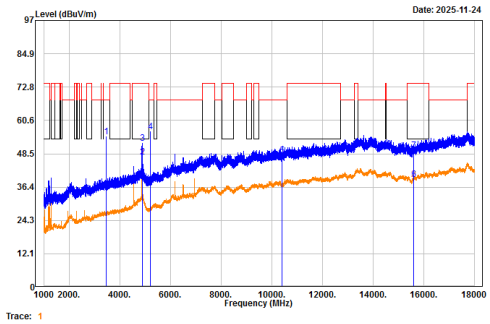
Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : N20-TX-5200
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3466.700	49.17	1.06	50.23	68.20	-17.97	Peak
2	10400.000	33.67	12.99	46.66	68.20	-21.54	Peak
3	15600.000	24.58	14.39	38.97	54.00	-15.03	Average
4	15600.000	34.36	14.39	48.75	74.00	-25.25	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11 ac20 Mode, 5200 MHz

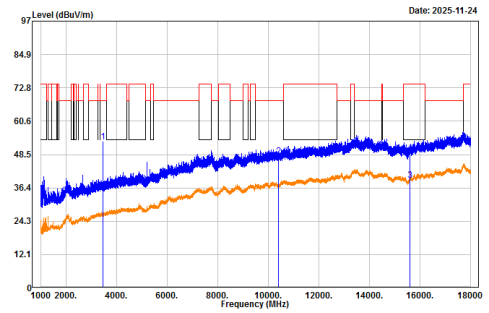
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : AC20-TX-5200
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3466.700	53.63	1.06	54.69	68.20	-13.51	Peak
2	4875.433	43.99	3.43	47.42	54.00	-6.58	Average
3	4875.433	48.76	3.43	52.19	74.00	-21.81	Peak
4	5204.667	52.73	3.81	56.54	68.20	-11.66	Peak
5	10400.000	34.87	12.99	47.86	68.20	-20.34	Peak
6	15600.000	24.79	14.39	39.18	54.00	-14.82	Average
7	15600.000	35.18	14.39	49.57	74.00	-24.43	Peak

Vertical

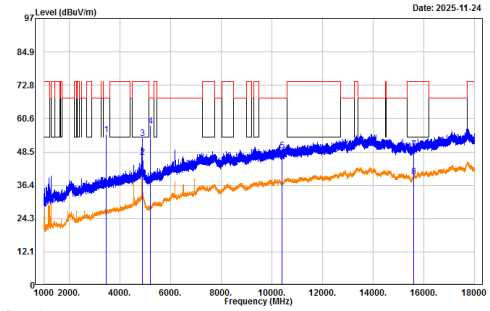


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : AC20-TX-5200
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3466.700	52.02	1.06	53.08	68.20	-15.12	Peak
2	10400.000	34.97	12.99	47.96	68.20	-20.24	Peak
3	15600.000	24.83	14.39	39.22	54.00	-14.78	Average
4	15600.000	34.89	14.39	49.28	74.00	-24.72	Peak

802.11 ax20 Mode, 5200 MHz

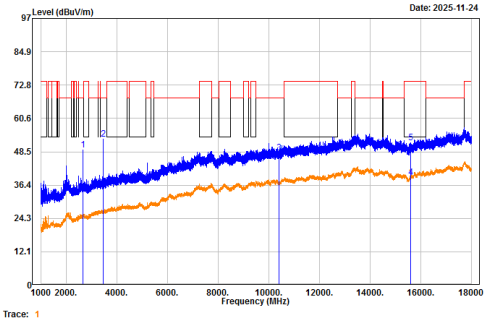
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : AX20-TX-5200
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3466.700	53.69	1.06	54.75	68.20	-13.45	Peak
2	4875.433	43.18	3.43	46.61	54.00	-7.39	Average
3	4875.433	49.95	3.43	53.38	74.00	-20.62	Peak
4	5205.800	54.14	3.81	57.95	68.20	-10.25	Peak
5	10400.000	35.81	12.99	48.80	68.20	-19.40	Peak
6	15600.000	25.02	14.39	39.41	54.00	-14.59	Average
7	15600.000	35.14	14.39	49.53	74.00	-24.47	Peak

Vertical



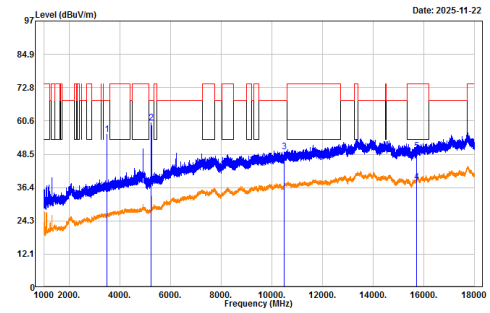
Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : AX20-TX-5200
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	2659.767	50.48	-1.28	49.20	68.20	-19.00	Peak
2	3466.700	51.93	1.06	52.99	68.20	-15.21	Peak
3	10400.000	35.16	12.99	48.15	68.20	-20.05	Peak
4	15600.000	24.89	14.39	39.28	54.00	-14.72	Average
5	15600.000	37.35	14.39	51.74	74.00	-22.26	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11a Mode, 5240 MHz

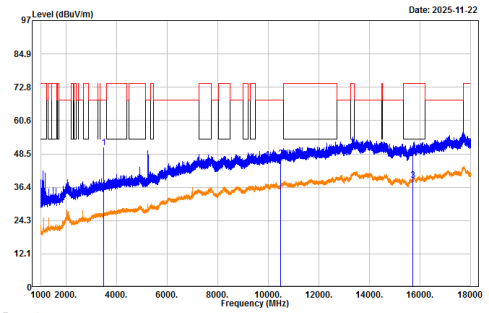
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : A-TX-5240
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3493.333	54.73	1.01	55.74	68.20	-12.46	Peak
2	5236.967	56.15	3.83	59.98	68.20	-8.22	Peak
3	10480.000	36.26	13.25	49.51	68.20	-18.69	Peak
4	15720.000	23.61	14.68	38.29	54.00	-15.71	Average
5	15720.000	35.01	14.68	49.69	74.00	-24.31	Peak

Vertical

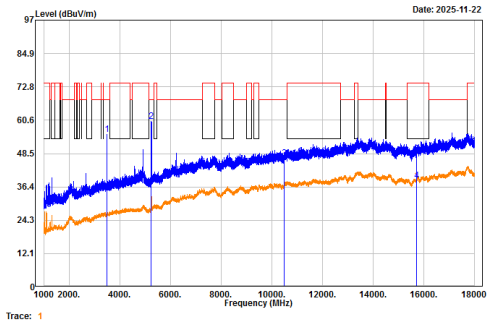


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : A-TX-5240
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3493.333	49.73	1.01	50.74	68.20	-17.46	Peak
2	10480.000	33.57	13.25	46.82	68.20	-21.38	Peak
3	15720.000	24.22	14.68	38.90	54.00	-15.10	Average
4	15720.000	33.85	14.68	48.53	74.00	-25.47	Peak

802.11 n20 Mode, 5240 MHz

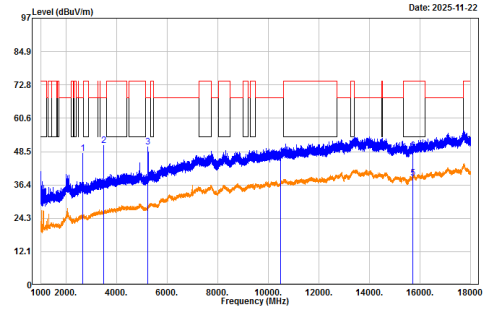
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : N20-TX-5240
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3493.333	54.53	1.01	55.54	68.20	-12.66	Peak
2	5238.100	56.43	3.83	60.26	68.20	-7.94	Peak
3	10480.000	33.43	13.25	46.68	68.20	-21.52	Peak
4	15720.000	24.03	14.68	38.71	54.00	-15.29	Average
5	15720.000	33.58	14.68	48.26	74.00	-25.74	Peak

Vertical



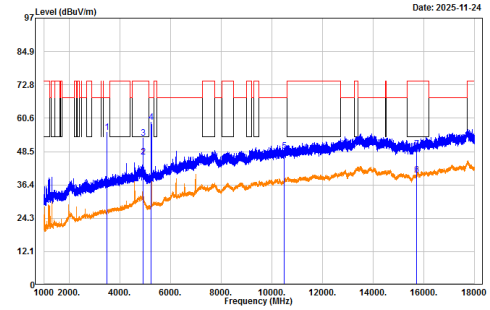
Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.4℃/ 47%
Memo : N20-TX-5240
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	2660.333	49.19	-1.27	47.92	68.20	-20.28	Peak
2	3493.333	49.63	1.01	50.64	68.20	-17.56	Peak
3	5236.400	46.48	3.83	50.31	68.20	-17.89	Peak
4	10480.000	33.44	13.25	46.69	68.20	-21.51	Peak
5	15720.000	24.28	14.68	38.96	54.00	-15.04	Average
6	15720.000	34.24	14.68	48.92	74.00	-25.08	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11 ac20 Mode, 5240 MHz

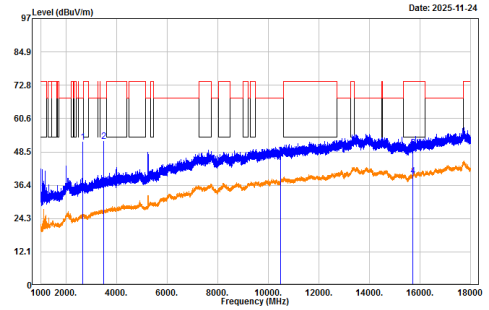
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : AC20-TX-5240
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3493.333	54.46	1.01	55.47	68.20	-12.73	Peak
2	4912.833	43.06	3.51	46.57	54.00	-7.43	Average
3	4912.833	49.76	3.51	53.27	74.00	-20.73	Peak
4	5239.233	55.22	3.83	59.05	68.20	-9.15	Peak
5	10480.000	35.34	13.25	48.59	68.20	-19.61	Peak
6	15720.000	25.16	14.68	39.84	54.00	-14.16	Average
7	15720.000	34.84	14.68	49.52	74.00	-24.48	Peak

Vertical

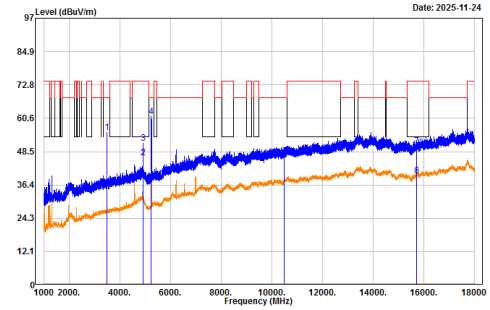


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : AC20-TX-5240
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	2660.900	53.18	-1.26	51.92	68.20	-16.28	Peak
2	3493.333	51.35	1.01	52.36	68.20	-15.84	Peak
3	10480.000	33.68	13.25	46.93	68.20	-21.27	Peak
4	15720.000	25.04	14.68	39.72	54.00	-14.28	Average
5	15720.000	35.37	14.68	50.05	74.00	-23.95	Peak

802.11 ax20 Mode, 5240 MHz

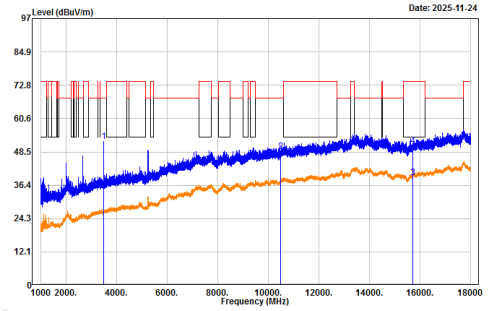
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : AX20-TX-5240
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3493.333	54.42	1.01	55.43	68.20	-12.77	Peak
2	4912.833	42.81	3.51	46.32	54.00	-7.68	Average
3	4912.833	47.91	3.51	51.42	74.00	-22.58	Peak
4	5243.200	57.35	3.83	61.18	68.20	-7.02	Peak
5	10480.000	33.60	13.25	46.85	68.20	-21.35	Peak
6	15720.000	25.00	14.68	39.68	54.00	-14.32	Average
7	15720.000	35.81	14.68	50.49	74.00	-23.51	Peak

Vertical



Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : AX20-TX-5240
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

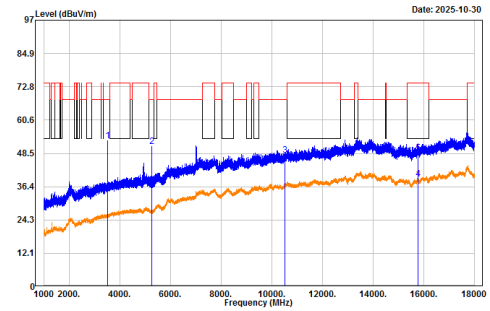
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3493.333	51.26	1.01	52.27	68.20	-15.93	Peak
2	10480.000	35.49	13.25	48.74	68.20	-19.46	Peak
3	15720.000	24.54	14.68	39.22	54.00	-14.78	Average
4	15720.000	35.93	14.68	50.61	74.00	-23.39	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

UNII-2A Band II 5250~5350 MHz

802.11a Mode, 5260 MHz

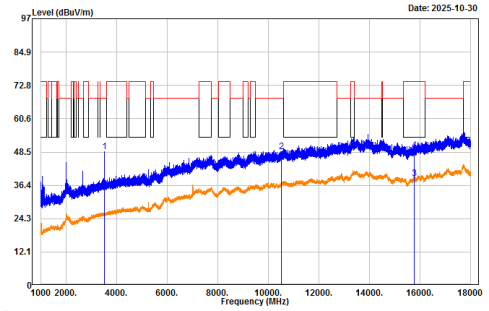
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : A-TX-5260
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Limit Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3506.933	52.05	0.99	53.04	68.20	-15.16	Peak
2	5254.533	47.12	3.85	50.97	68.20	-17.23	Peak
3	10520.000	34.52	13.33	47.85	68.20	-20.35	Peak
4	15780.000	24.17	14.94	39.11	54.00	-14.89	Average
5	15780.000	33.66	14.94	48.60	74.00	-25.40	Peak

Vertical

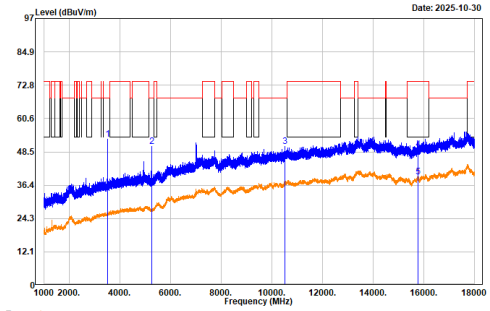


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : A-TX-5260
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Limit Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3506.933	47.56	0.99	48.55	68.20	-19.65	Peak
2	10520.000	35.24	13.33	48.57	68.20	-19.63	Peak
3	15780.000	24.07	14.94	39.01	54.00	-14.99	Average
4	15780.000	34.22	14.94	49.16	74.00	-24.84	Peak

802.11 n20 Mode, 5260 MHz

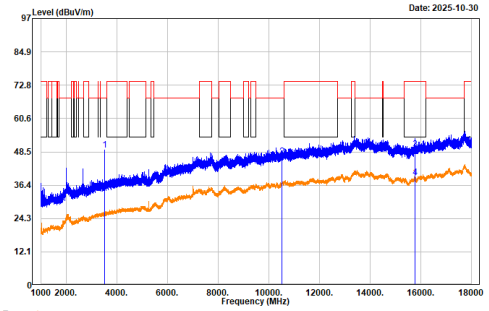
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005_Renesas
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : N20-TX-5260
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Limit Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3506.367	51.99	0.99	52.98	68.20	-15.22	Peak
2	5266.433	46.65	3.87	50.52	68.20	-17.68	Peak
3	10520.000	37.03	13.33	50.36	68.20	-17.84	Peak
4	15780.000	34.43	14.94	49.37	74.00	-24.63	Peak
5	15780.000	24.60	14.94	39.54	54.00	-14.46	Average

Vertical



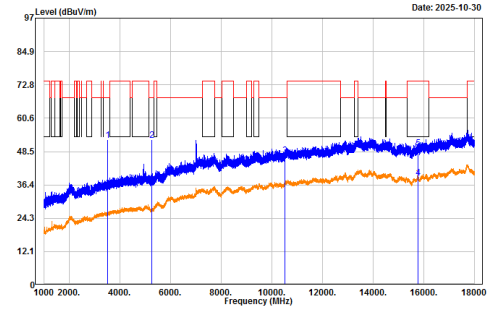
Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005_Renesas
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : N20-TX-5260
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Limit Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3506.367	48.24	0.99	49.23	68.20	-18.97	Peak
2	10520.000	33.40	13.33	46.73	68.20	-21.47	Peak
3	15780.000	34.58	14.94	49.52	74.00	-24.48	Peak
4	15780.000	24.30	14.94	39.24	54.00	-14.76	Average

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11 ac20 Mode, 5260 MHz

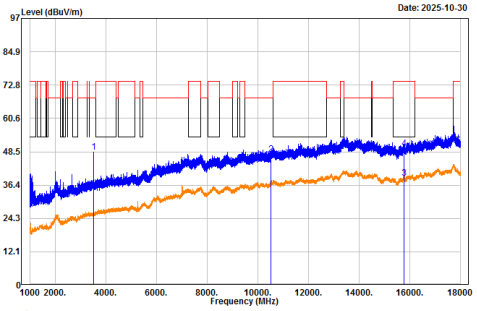
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : AC20-TX-5260
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3506.367	51.62	0.99	52.61	68.20	-15.59	Peak
2	5262.467	48.80	3.86	52.66	68.20	-15.54	Peak
3	10520.000	33.71	13.33	47.04	68.20	-21.16	Peak
4	15780.000	24.05	14.94	38.99	54.00	-15.01	Average
5	15780.000	34.81	14.94	49.75	74.00	-24.25	Peak

Vertical

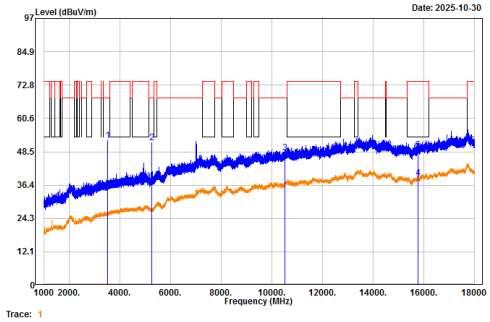


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : AC20-TX-5260
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3506.367	47.50	0.99	48.49	68.20	-19.71	Peak
2	10520.000	34.21	13.33	47.54	68.20	-20.66	Peak
3	15780.000	23.84	14.94	38.78	54.00	-15.22	Average
4	15780.000	34.73	14.94	49.67	74.00	-24.33	Peak

802.11 ax20 Mode, 5260 MHz

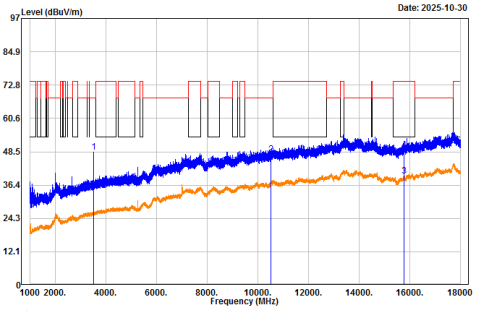
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : AX20-TX-5260
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3506.933	51.69	0.99	52.68	68.20	-15.52	Peak
2	5262.467	47.89	3.86	51.75	68.20	-16.45	Peak
3	10520.000	34.68	13.33	48.01	68.20	-20.19	Peak
4	15780.000	23.93	14.94	38.87	54.00	-15.13	Average
5	15780.000	34.28	14.94	49.22	74.00	-24.78	Peak

Vertical



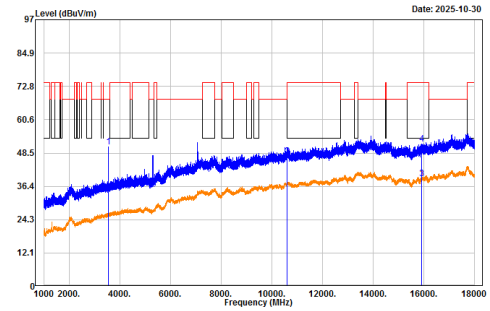
Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : AX20-TX-5260
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3506.933	47.42	0.99	48.41	68.20	-19.79	Peak
2	10520.000	34.25	13.33	47.58	68.20	-20.62	Peak
3	15780.000	24.62	14.94	39.56	54.00	-14.44	Average
4	15780.000	34.17	14.94	49.11	74.00	-24.89	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11a Mode, 5300 MHz

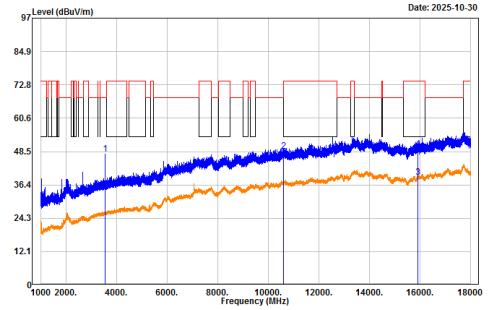
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : A-TX-5300
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3533.567	49.80	0.99	50.79	68.20	-17.41	Peak
2	10600.000	33.83	13.49	47.32	68.20	-20.88	Peak
3	15900.000	23.87	15.25	39.12	54.00	-14.88	Average
4	15900.000	36.48	15.25	51.73	74.00	-22.27	Peak

Vertical

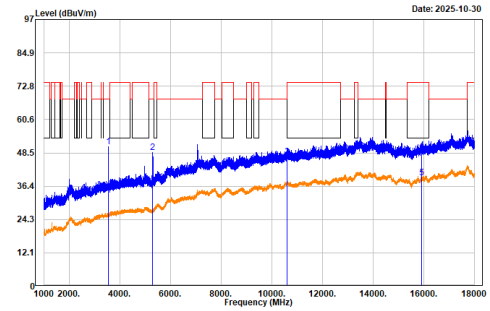


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : A-TX-5300
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3533.567	46.46	0.99	47.45	68.20	-20.75	Peak
2	10600.000	35.27	13.49	48.76	68.20	-19.44	Peak
3	15900.000	24.05	15.25	39.30	54.00	-14.70	Average
4	15900.000	34.28	15.25	49.53	74.00	-24.47	Peak

802.11 n20 Mode, 5300 MHz

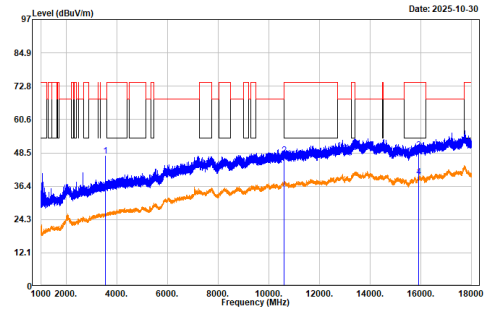
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005_Renesas
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : N20-TX-5300
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3533.000	49.71	0.99	50.70	68.20	-17.50	Peak
2	5297.033	44.71	3.95	48.66	68.20	-19.54	Peak
3	10600.000	33.69	13.49	47.18	68.20	-21.02	Peak
4	15900.000	34.16	15.25	49.41	74.00	-24.59	Peak
5	15900.000	24.19	15.25	39.44	54.00	-14.56	Average

Vertical



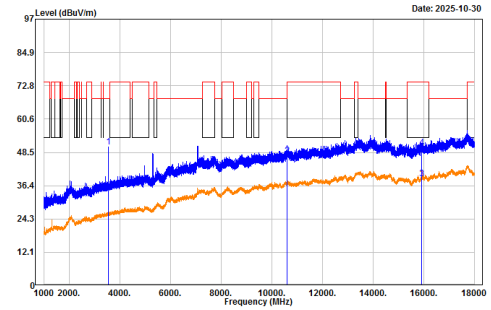
Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005_Renesas
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : N20-TX-5300
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3533.000	46.38	0.99	47.37	68.20	-20.83	Peak
2	10600.000	34.15	13.49	47.64	68.20	-20.56	Peak
3	15900.000	34.16	15.25	49.41	74.00	-24.59	Peak
4	15900.000	24.50	15.25	39.75	54.00	-14.25	Average

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11 ac20 Mode, 5300 MHz

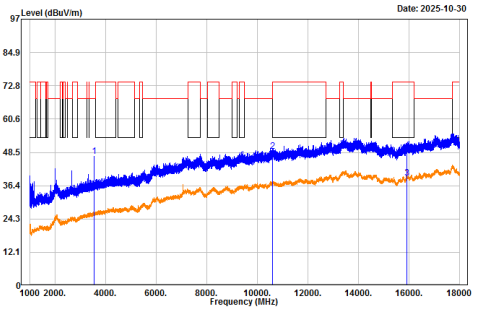
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : AC20-TX-5300
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3533.000	49.44	0.99	50.43	68.20	-17.77	Peak
2	10600.000	33.81	13.49	47.30	68.20	-20.90	Peak
3	15900.000	23.63	15.25	38.88	54.00	-15.12	Average
4	15900.000	34.86	15.25	50.11	74.00	-23.89	Peak

Vertical

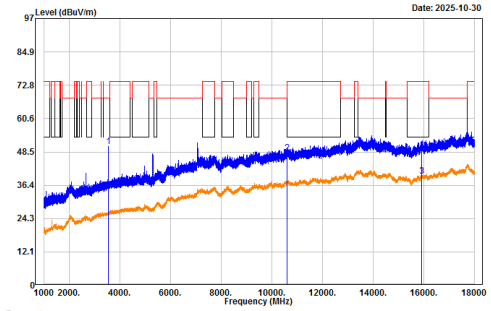


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : AC20-TX-5300
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3533.000	46.19	0.99	47.18	68.20	-21.02	Peak
2	10600.000	35.30	13.49	48.79	68.20	-19.41	Peak
3	15900.000	24.01	15.25	39.26	54.00	-14.74	Average
4	15900.000	33.99	15.25	49.24	74.00	-24.76	Peak

802.11 ax20 Mode, 5300 MHz

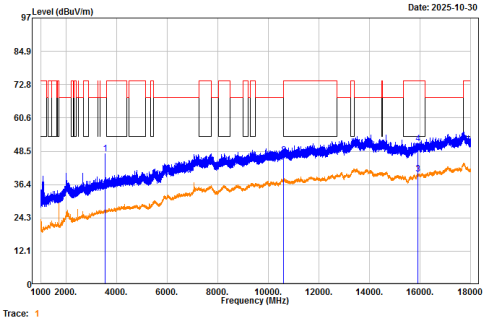
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : AX20-TX-5300
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3533.567	49.54	0.99	50.53	68.20	-17.67	Peak
2	10600.000	34.62	13.49	48.11	68.20	-20.09	Peak
3	15900.000	24.46	15.25	39.71	54.00	-14.29	Average
4	15900.000	33.70	15.25	48.95	74.00	-25.05	Peak

Vertical



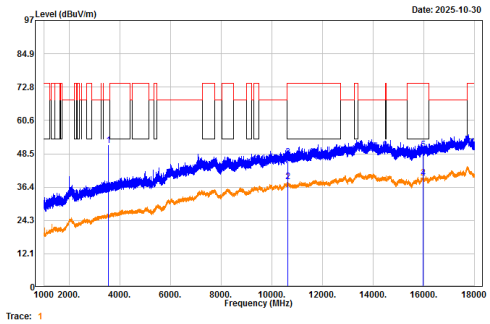
Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : AX20-TX-5300
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3533.567	46.47	0.99	47.46	68.20	-20.74	Peak
2	10600.000	33.51	13.49	47.00	68.20	-21.20	Peak
3	15900.000	25.05	15.25	40.30	54.00	-13.70	Average
4	15900.000	35.92	15.25	51.17	74.00	-22.83	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11a Mode, 5320 MHz

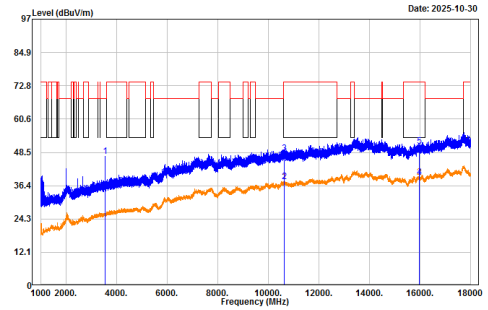
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : A-TX-5320
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3546.600	50.57	0.99	51.56	68.20	-16.64	Peak
2	10640.000	24.89	13.52	38.41	54.00	-15.59	Average
3	10640.000	33.73	13.52	47.25	74.00	-26.75	Peak
4	15960.000	24.76	14.94	39.70	54.00	-14.30	Average
5	15960.000	34.97	14.94	49.91	74.00	-24.09	Peak

Vertical

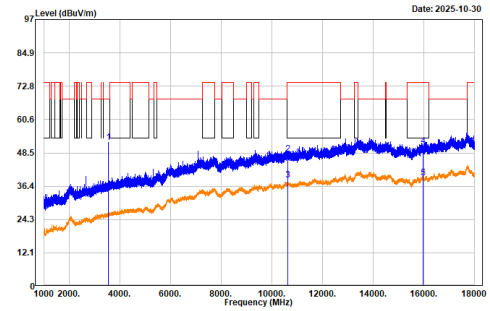


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : A-TX-5320
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3546.600	46.06	0.99	47.05	68.20	-21.15	Peak
2	10640.000	24.24	13.52	37.76	54.00	-16.24	Average
3	10640.000	34.57	13.52	48.09	74.00	-25.91	Peak
4	15960.000	24.42	14.94	39.36	54.00	-14.64	Average
5	15960.000	35.84	14.94	50.78	74.00	-23.22	Peak

802.11 n20 Mode, 5320 MHz

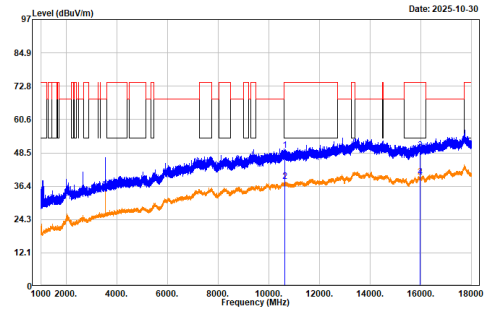
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005_Renesas
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : N20-TX-5320
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3547.167	51.34	0.99	52.33	68.20	-15.87	Peak
2	10640.000	34.69	13.52	48.21	74.00	-25.79	Peak
3	10640.000	25.13	13.52	38.65	54.00	-15.35	Average
4	15960.000	35.93	14.94	50.87	74.00	-23.13	Peak
5	15960.000	24.41	14.94	39.35	54.00	-14.65	Average

Vertical



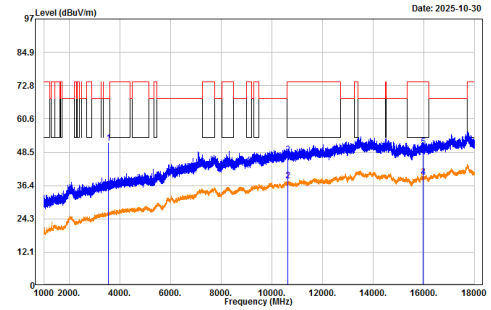
Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005_Renesas
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : N20-TX-5320
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	10640.000	36.03	13.52	49.55	74.00	-24.45	Peak
2	10640.000	24.63	13.52	38.15	54.00	-15.85	Average
3	15960.000	34.59	14.94	49.53	74.00	-24.47	Peak
4	15960.000	24.63	14.94	39.57	54.00	-14.43	Average

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11 ac20 Mode, 5320 MHz

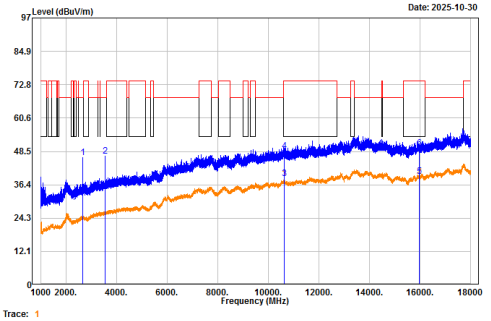
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : AC20-TX-5320
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3546.600	50.75	0.99	51.74	68.20	-16.46	Peak
2	10640.000	24.65	13.52	38.17	54.00	-15.83	Average
3	10640.000	34.09	13.52	47.61	74.00	-26.39	Peak
4	15960.000	24.44	14.94	39.38	54.00	-14.62	Average
5	15960.000	35.55	14.94	50.49	74.00	-23.51	Peak

Vertical

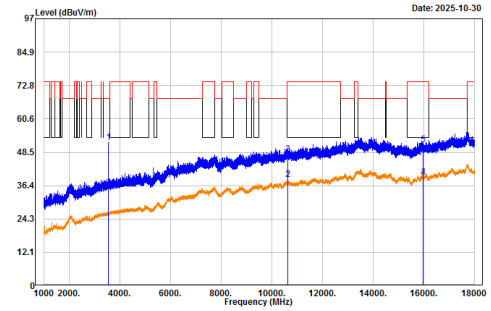


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : AC20-TX-5320
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	2665.433	47.47	-1.16	46.31	68.20	-21.89	Peak
2	3547.167	45.83	0.99	46.82	68.20	-21.38	Peak
3	10640.000	25.84	13.52	38.56	54.00	-15.44	Average
4	10640.000	35.12	13.52	48.64	74.00	-25.36	Peak
5	15960.000	24.54	14.94	39.48	54.00	-14.52	Average
6	15960.000	34.73	14.94	49.67	74.00	-24.33	Peak

802.11 ax20 Mode, 5320 MHz

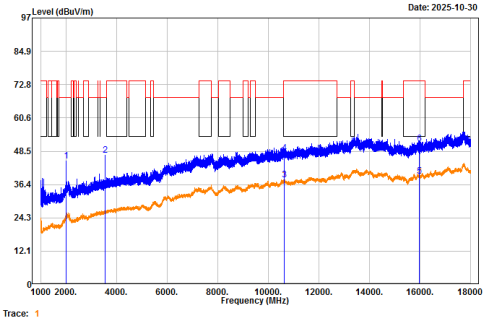
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : AX20-TX-5320
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3546.600	51.18	0.99	52.17	68.20	-16.03	Peak
2	10640.000	25.12	13.52	38.64	54.00	-15.36	Average
3	10640.000	34.21	13.52	47.73	74.00	-26.27	Peak
4	15960.000	24.55	14.94	39.49	54.00	-14.51	Average
5	15960.000	36.22	14.94	51.16	74.00	-22.84	Peak

Vertical



Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : AX20-TX-5320
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

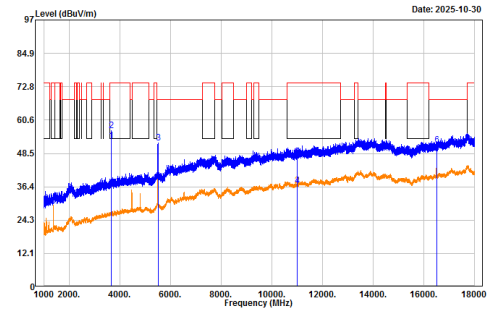
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	1995.067	46.64	-1.80	44.84	68.20	-23.36	Peak
2	3546.600	46.17	0.99	47.16	68.20	-21.04	Peak
3	10640.000	24.69	13.52	38.21	54.00	-15.79	Average
4	10640.000	34.31	13.52	47.83	74.00	-26.17	Peak
5	15960.000	24.62	14.94	39.56	54.00	-14.44	Average
6	15960.000	36.20	14.94	51.14	74.00	-22.86	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

UNII-2C Band III 5470~5725 MHz

802.11a Mode, 5500 MHz

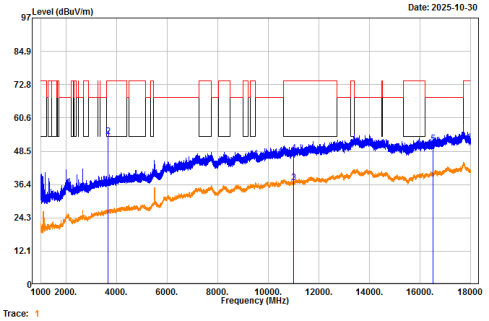
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : A-TX-5500
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Limit Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1 !	3667.300	51.86	1.25	53.11	54.00	-0.89	Average
2	3667.300	55.45	1.25	56.70	74.00	-17.30	Peak
3	5503.867	47.23	4.96	52.19	68.20	-16.01	Peak
4	11000.000	23.17	13.66	36.83	54.00	-17.17	Average
5	11000.000	33.61	13.66	47.27	74.00	-26.73	Peak
6	16500.000	35.15	16.47	51.62	68.20	-16.58	Peak

Vertical

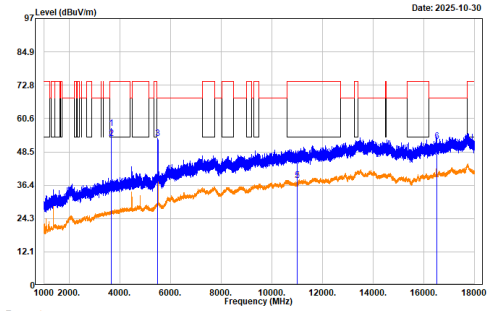


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : A-TX-5500
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Limit Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1 !	3666.733	51.53	1.25	52.78	54.00	-1.22	Average
2	3666.733	52.63	1.25	53.88	74.00	-20.12	Peak
3	11000.000	23.38	13.66	37.04	54.00	-16.96	Average
4	11000.000	34.24	13.66	47.90	74.00	-26.10	Peak
5	16500.000	34.83	16.47	51.30	68.20	-16.90	Peak

802.11 n20 Mode, 5500 MHz

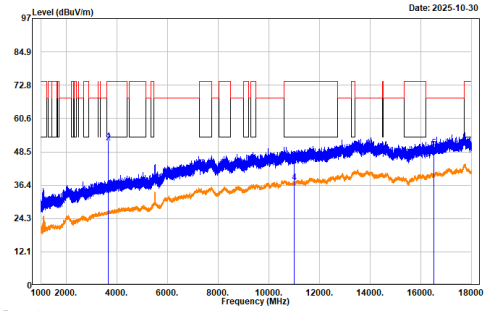
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005_Renesas
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : N20-TX-5500
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Limit Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3666.733	55.74	1.25	56.99	74.00	-17.01	Peak
2 !	3666.733	52.18	1.25	53.43	54.00	-0.57	Average
3	5496.500	48.40	4.93	53.33	68.20	-14.87	Peak
4	11000.000	32.16	13.66	45.82	74.00	-28.18	Peak
5	11000.000	24.45	13.66	38.11	54.00	-15.89	Average
6	16500.000	35.85	16.47	52.32	68.20	-15.88	Peak

Vertical



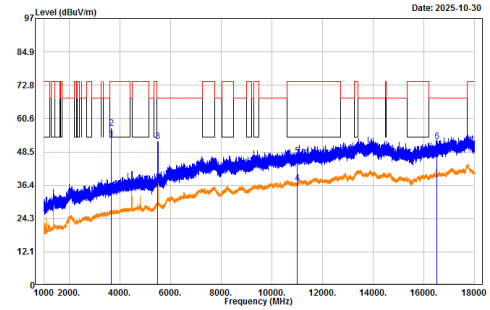
Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005_Renesas
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : N20-TX-5500
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Limit Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3666.733	51.02	1.25	52.27	74.00	-21.73	Peak
2 !	3666.733	50.49	1.25	51.74	54.00	-2.26	Average
3	11000.000	31.72	13.66	45.38	74.00	-28.62	Peak
4	11000.000	23.58	13.66	37.24	54.00	-16.76	Average
5	16500.000	33.55	16.47	50.02	68.20	-18.18	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11 ac20 Mode, 5500 MHz

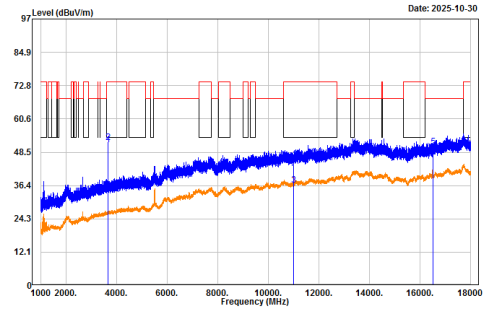
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : AC20-TX-5500
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1 !	3666.733	51.84	1.25	53.09	54.00	-0.91	Average
2	3666.733	55.85	1.25	57.10	74.00	-16.90	Peak
3	5499.333	47.25	4.95	52.20	68.20	-16.00	Peak
4	11000.000	23.30	13.66	36.96	54.00	-17.04	Average
5	11000.000	33.44	13.66	47.10	74.00	-26.90	Peak
6	16500.000	35.79	16.47	52.26	68.20	-15.94	Peak

Vertical

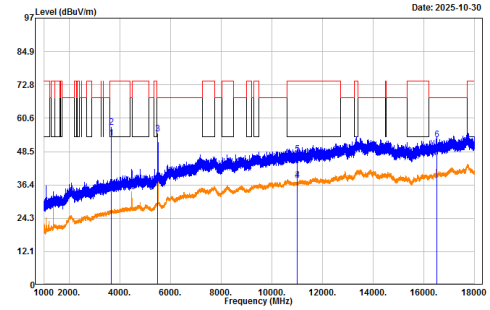


Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : AC20-TX-5500
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1 !	3666.733	49.97	1.25	51.22	54.00	-2.78	Average
2	3666.733	50.76	1.25	52.01	74.00	-21.99	Peak
3	11000.000	22.95	13.66	36.61	54.00	-17.39	Average
4	11000.000	32.42	13.66	46.08	74.00	-27.92	Peak
5	16500.000	33.87	16.47	50.34	68.20	-17.86	Peak

802.11 ax20 Mode, 5500 MHz

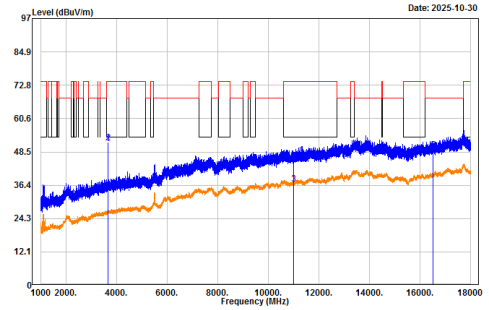
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : AX20-TX-5500
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1 !	3666.733	52.02	1.25	53.27	54.00	-0.73	Average
2	3666.733	56.12	1.25	57.37	74.00	-16.63	Peak
3	5498.767	50.03	4.95	54.98	68.20	-13.22	Peak
4	11000.000	24.44	13.66	38.10	54.00	-15.90	Average
5	11000.000	33.91	13.66	47.57	74.00	-26.43	Peak
6	16500.000	36.46	16.47	52.93	68.20	-15.27	Peak

Vertical



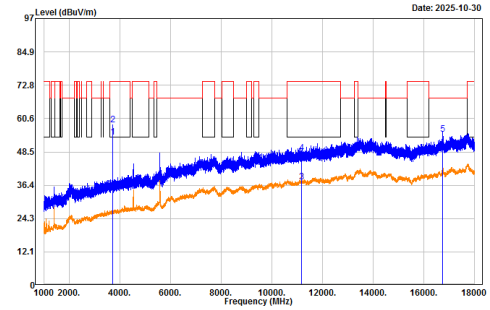
Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : AX20-TX-5500
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1 !	3666.733	50.39	1.25	51.64	54.00	-2.36	Average
2	3666.733	50.58	1.25	51.83	74.00	-22.17	Peak
3	11000.000	23.20	13.66	36.86	54.00	-17.14	Average
4	11000.000	31.18	13.66	44.84	74.00	-29.16	Peak
5	16500.000	32.78	16.47	49.25	68.20	-18.95	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11a Mode, 5580 MHz

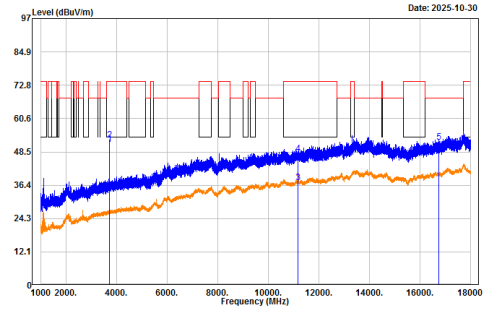
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : A-TX-5580
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1 !	3720.000	52.40	1.41	53.81	54.00	-0.19	Average
2	3720.000	56.95	1.41	58.36	74.00	-15.64	Peak
3	11160.000	23.77	13.76	37.53	54.00	-16.47	Average
4	11160.000	34.28	13.76	48.04	74.00	-25.96	Peak
5	16740.000	38.15	16.72	54.87	68.20	-13.33	Peak

Vertical

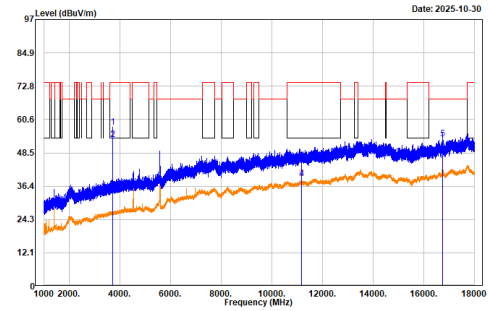


Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : A-TX-5580
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1 !	3720.000	49.91	1.41	51.32	54.00	-2.68	Average
2	3720.000	51.34	1.41	52.75	74.00	-21.25	Peak
3	11160.000	23.69	13.76	37.45	54.00	-16.55	Average
4	11160.000	34.09	13.76	47.85	74.00	-26.15	Peak
5	16740.000	35.45	16.72	52.17	68.20	-16.03	Peak

802.11 n20 Mode, 5580 MHz

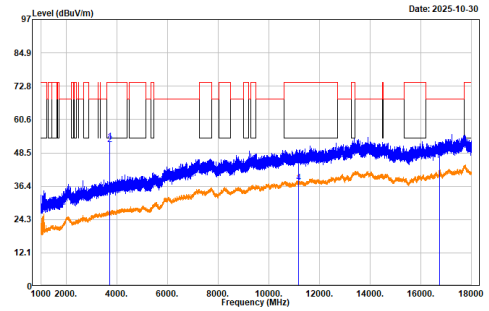
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005_Renesas
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : N20-TX-5580
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3720.000	56.35	1.41	57.76	74.00	-16.24	Peak
2 !	3720.000	51.92	1.41	53.33	54.00	-0.67	Average
3	11160.000	31.62	13.76	45.38	74.00	-28.62	Peak
4	11160.000	25.52	13.76	39.28	54.00	-14.72	Average
5	16740.000	36.87	16.72	53.59	68.20	-14.61	Peak

Vertical



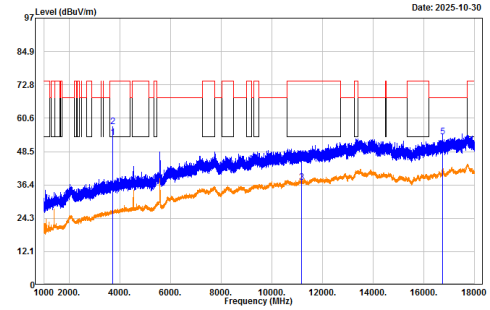
Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005_Renesas
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : N20-TX-5580
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3720.000	51.08	1.41	52.49	74.00	-21.51	Peak
2 !	3720.000	50.21	1.41	51.62	54.00	-2.38	Average
3	11160.000	31.56	13.76	45.32	74.00	-28.68	Peak
4	11160.000	23.74	13.76	37.50	54.00	-16.50	Average
5	16740.000	32.45	16.72	49.17	68.20	-19.03	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11 ac20 Mode, 5580 MHz

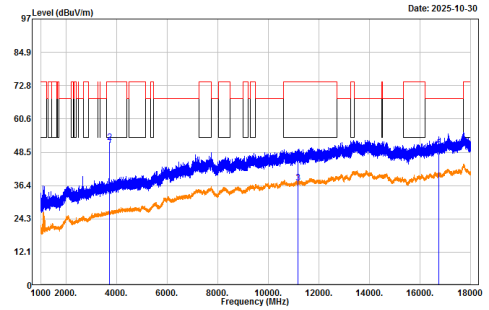
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : AC20-TX-5580
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1 !	3720.000	52.27	1.41	53.68	54.00	-0.32	Average
2	3720.000	56.16	1.41	57.57	74.00	-16.43	Peak
3	11160.000	23.51	13.76	37.27	54.00	-16.73	Average
4	11160.000	31.67	13.76	45.43	74.00	-28.57	Peak
5	16740.000	37.24	16.72	53.96	68.20	-14.24	Peak

Vertical

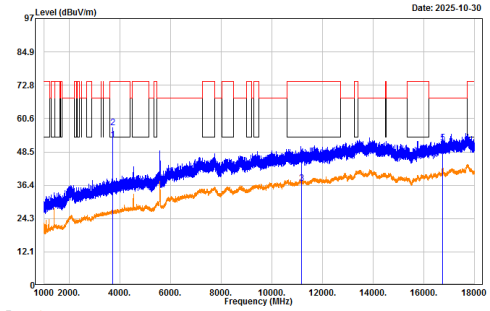


Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : AC20-TX-5580
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3720.000	49.57	1.41	50.98	54.00	-3.02	Average
2	3720.000	50.68	1.41	52.09	74.00	-21.91	Peak
3	11160.000	23.53	13.76	37.29	54.00	-16.71	Average
4	11160.000	32.90	13.76	46.66	74.00	-27.34	Peak
5	16740.000	33.24	16.72	49.96	68.20	-18.24	Peak

802.11 ax20 Mode, 5580 MHz

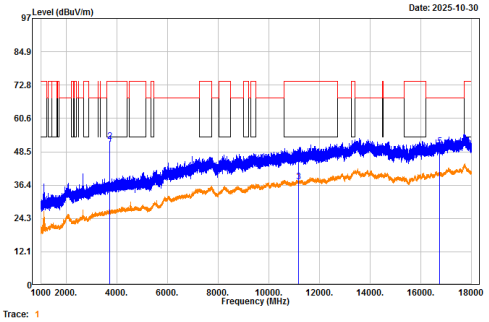
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : AX20-TX-5580
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1 !	3720.000	51.44	1.41	52.85	54.00	-1.15	Average
2	3720.000	55.88	1.41	57.29	74.00	-16.71	Peak
3	11160.000	23.40	13.76	37.16	54.00	-16.84	Average
4	11160.000	32.72	13.76	46.48	74.00	-27.52	Peak
5	16740.000	35.02	16.72	51.74	68.20	-16.46	Peak

Vertical



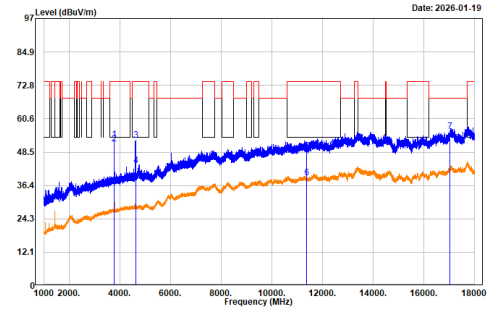
Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0℃/ 47%
Memo : AX20-TX-5580
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1 !	3720.000	49.96	1.41	51.37	54.00	-2.63	Average
2	3720.000	50.87	1.41	52.28	74.00	-21.72	Peak
3	11160.000	23.71	13.76	37.47	54.00	-16.53	Average
4	11160.000	32.05	13.76	45.81	74.00	-28.19	Peak
5	16740.000	33.63	16.72	50.35	68.20	-17.85	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11a Mode, 5680 MHz

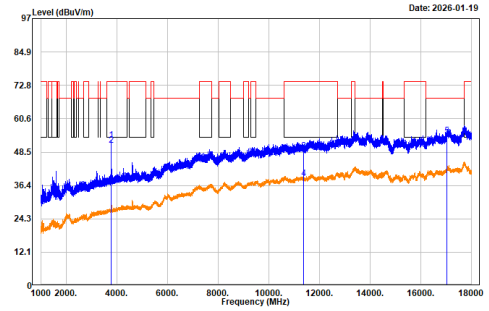
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 19.8℃/58%
Memo : A-TX-5680
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3786.867	50.02	3.19	53.21	74.00	-20.79	Peak
2 !	3786.867	48.36	3.19	51.55	54.00	-2.45	Average
3	4617.600	48.38	4.53	52.91	74.00	-21.09	Peak
4	4617.600	39.18	4.53	43.71	54.00	-10.29	Average
5	11360.000	31.85	17.02	48.87	74.00	-25.13	Peak
6	11360.000	22.12	17.02	39.14	54.00	-14.86	Average
7	17040.000	35.43	20.60	56.03	68.20	-12.17	Peak

Vertical

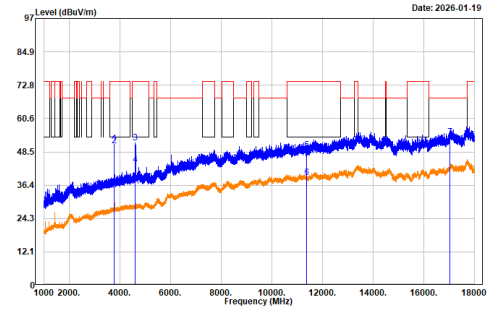


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 19.8℃/58%
Memo : A-TX-5680
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3786.867	49.70	3.19	52.89	74.00	-21.11	Peak
2 !	3786.867	47.87	3.19	51.06	54.00	-2.94	Average
3	11360.000	31.83	17.02	48.85	74.00	-25.15	Peak
4	11360.000	21.81	17.02	38.83	54.00	-15.17	Average
5	17040.070	33.80	20.60	54.40	68.20	-13.80	Peak

802.11 n20 Mode, 5680 MHz

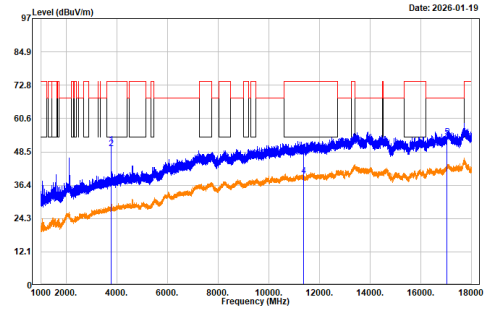
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 19.8℃/58%
Memo : N20-TX-5680
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3786.867	48.37	3.19	51.56	74.00	-22.44	Peak
2	3786.867	47.44	3.19	50.63	54.00	-3.37	Average
3	4614.767	47.20	4.51	51.71	74.00	-22.29	Peak
4	4614.767	39.41	4.51	43.92	54.00	-10.08	Average
5	11360.000	32.03	17.02	49.05	74.00	-24.95	Peak
6	11360.000	22.16	17.02	39.18	54.00	-14.82	Average
7	17040.000	33.25	20.60	53.85	68.20	-14.35	Peak

Vertical



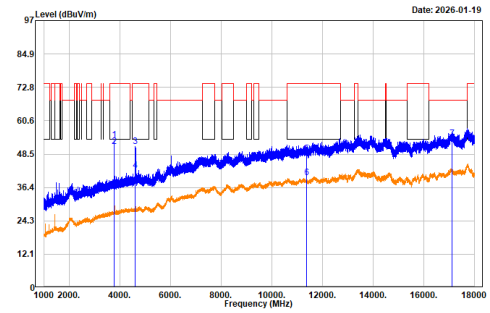
Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 19.8℃/58%
Memo : N20-TX-5680
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3786.300	47.88	3.19	51.07	74.00	-22.93	Peak
2	3786.300	46.56	3.19	49.75	54.00	-4.25	Average
3	11360.000	30.87	17.02	47.89	74.00	-26.11	Peak
4	11360.000	22.70	17.02	39.72	54.00	-14.28	Average
5	17040.000	33.25	20.60	53.85	68.20	-14.35	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11 ac20 Mode, 5680 MHz

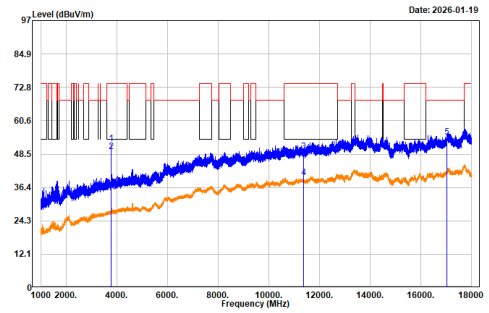
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 19.8℃/58%
Memo : AC20-TX-5680
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3786.867	50.35	3.19	53.54	74.00	-20.46	Peak
2 !	3786.867	48.01	3.19	51.20	54.00	-2.80	Average
3	4615.333	46.86	4.51	51.37	74.00	-22.63	Peak
4	4615.333	38.12	4.51	42.63	54.00	-11.37	Average
5	11360.000	31.53	17.02	48.55	74.00	-25.45	Peak
6	11360.000	23.01	17.02	40.03	54.00	-13.97	Average
7	17100.000	33.49	20.78	54.27	68.20	-13.93	Peak

Vertical

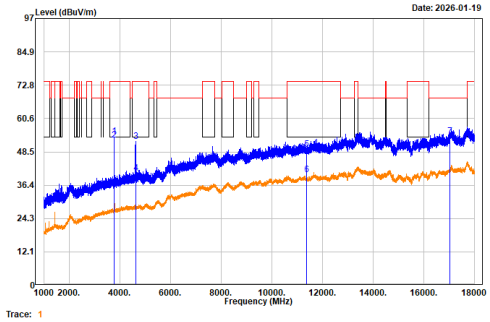


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 19.8℃/58%
Memo : AC20-TX-5680
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3786.867	49.00	3.19	52.19	74.00	-21.81	Peak
2	3786.867	46.32	3.19	49.51	54.00	-4.49	Average
3	11360.000	32.29	17.02	49.31	74.00	-24.69	Peak
4	11360.000	22.89	17.02	39.91	54.00	-14.09	Average
5	17040.070	33.99	20.60	54.59	68.20	-13.61	Peak

802.11 ax20 Mode, 5680 MHz

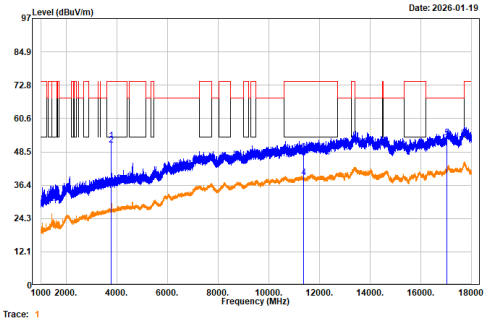
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 19.8℃/58%
Memo : AX20-TX-5680
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3786.300	51.04	3.19	54.23	74.00	-19.77	Peak
2 !	3786.300	49.62	3.19	52.81	54.00	-1.19	Average
3	4620.433	47.71	4.53	52.24	74.00	-21.76	Peak
4	4620.433	36.24	4.53	40.77	54.00	-13.23	Average
5	11360.000	32.29	17.02	49.31	74.00	-24.69	Peak
6	11360.000	23.14	17.02	40.16	54.00	-13.84	Average
7	17040.000	33.51	20.60	54.11	68.20	-14.09	Peak

Vertical



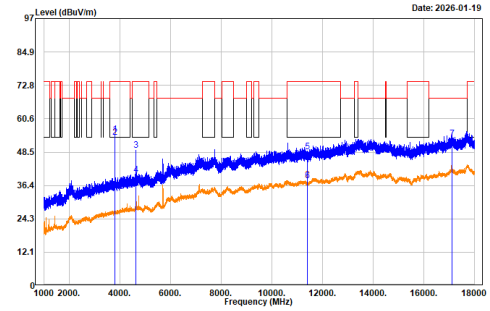
Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 19.8℃/58%
Memo : AX20-TX-5680
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3786.867	49.32	3.19	52.51	74.00	-21.49	Peak
2	3786.867	47.79	3.19	50.98	54.00	-3.02	Average
3	11360.000	31.48	17.02	48.50	74.00	-25.50	Peak
4	11360.000	22.17	17.02	39.19	54.00	-14.81	Average
5	17040.000	32.95	20.60	53.55	68.20	-14.65	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11a Mode, 5700 MHz

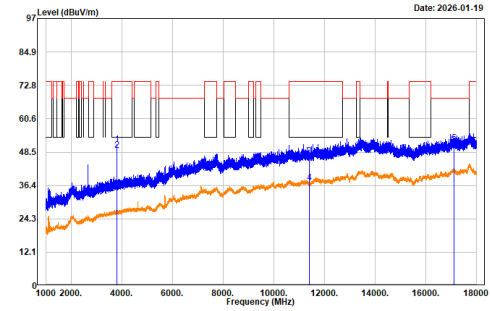
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 19.8℃/ 58%
Memo : A-TX-5700
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3799.900	53.09	1.76	54.85	74.00	-19.15	Peak
2 !	3799.900	52.15	1.76	53.91	54.00	-0.09	Average
3	4630.067	46.26	2.87	49.13	74.00	-24.87	Peak
4	4630.067	37.23	2.87	40.10	54.00	-13.90	Average
5	11400.000	34.11	14.49	48.60	74.00	-25.40	Peak
6	11400.000	23.57	14.49	38.06	54.00	-15.94	Average
7	17100.000	35.78	17.68	53.46	68.20	-14.74	Peak

Vertical

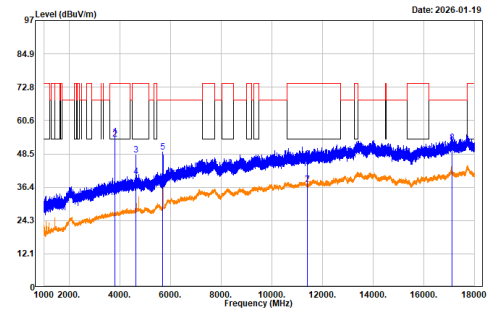


Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 19.8℃/ 58%
Memo : A-TX-5700
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3799.900	49.55	1.76	51.31	74.00	-22.69	Peak
2	3799.900	47.41	1.76	49.17	54.00	-4.83	Average
3	11400.000	32.56	14.49	47.05	74.00	-26.95	Peak
4	11400.000	22.74	14.49	37.23	54.00	-16.77	Average
5	17100.000	34.01	17.68	51.69	68.20	-16.51	Peak

802.11 n20 Mode, 5700 MHz

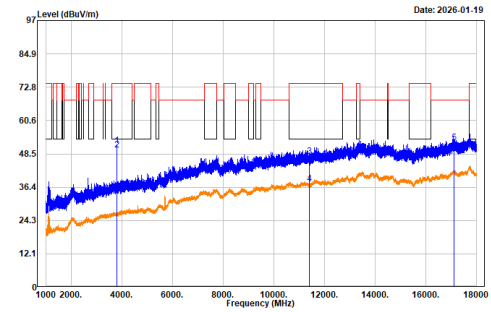
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 19.8℃/ 58%
Memo : N20-TX-5700
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3799.900	52.94	1.76	54.70	74.00	-19.30	Peak
2 !	3799.900	52.09	1.76	53.85	54.00	-0.15	Average
3	4635.733	45.34	2.89	48.23	74.00	-25.77	Peak
4	4635.733	37.39	2.89	40.28	54.00	-13.72	Average
5	5696.533	43.93	5.18	49.11	68.20	-19.09	Peak
6	11400.000	31.96	14.49	46.45	74.00	-27.55	Peak
7	11400.000	22.94	14.49	37.43	54.00	-16.57	Average
8	17100.000	34.84	17.68	52.52	68.20	-15.68	Peak

Vertical



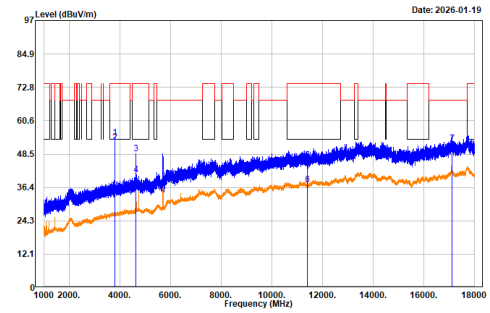
Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 19.8℃/ 58%
Memo : N20-TX-5700
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3799.900	49.68	1.76	51.44	74.00	-22.56	Peak
2	3799.900	48.09	1.76	49.85	54.00	-4.15	Average
3	11400.000	32.98	14.49	47.47	74.00	-26.53	Peak
4	11400.000	23.00	14.49	37.49	54.00	-16.51	Average
5	17100.000	34.94	17.68	52.62	68.20	-15.58	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11 ac20 Mode, 5700 MHz

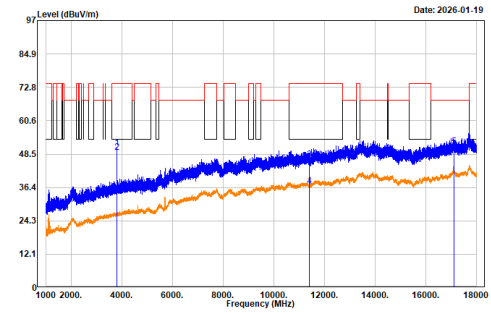
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 19.8℃/ 58%
Memo : AC20-TX-5700
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Limit Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3799.900	52.71	1.76	54.47	74.00	-19.53	Peak
2 !	3799.900	51.06	1.76	52.82	54.00	-1.18	Average
3	4631.200	45.70	2.87	48.57	74.00	-25.43	Peak
4	4631.200	38.11	2.87	40.98	54.00	-13.02	Average
5	11400.000	31.84	14.49	46.33	74.00	-27.67	Peak
6	11400.000	22.87	14.49	37.36	54.00	-16.64	Average
7	17100.000	34.63	17.68	52.31	68.20	-15.89	Peak

Vertical

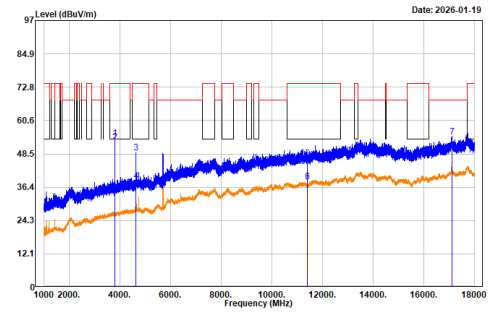


Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 19.8℃/ 58%
Memo : AC20-TX-5700
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Limit Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3800.467	48.87	1.76	50.63	74.00	-23.37	Peak
2	3800.467	47.37	1.76	49.13	54.00	-4.87	Average
3	11400.000	32.01	14.49	46.50	74.00	-27.50	Peak
4	11400.000	22.24	14.49	36.73	54.00	-17.27	Average
5	17100.000	33.68	17.68	51.36	68.20	-16.84	Peak

802.11 ax20 Mode, 5700 MHz

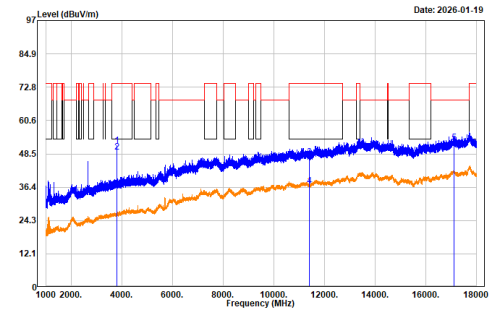
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 19.8℃/ 58%
Memo : AX20-TX-5700
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Limit Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3799.900	52.31	1.76	54.07	74.00	-19.93	Peak
2 !	3799.900	51.10	1.76	52.86	54.00	-1.14	Average
3	4638.000	45.95	2.90	48.85	74.00	-25.15	Peak
4	4638.000	35.83	2.90	38.73	54.00	-15.27	Average
5	11400.000	32.30	14.49	46.79	74.00	-27.21	Peak
6	11400.000	23.93	14.49	38.42	54.00	-15.58	Average
7	17100.000	36.88	17.68	54.56	68.20	-13.64	Peak

Vertical



Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 19.8℃/ 58%
Memo : AX20-TX-5700
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

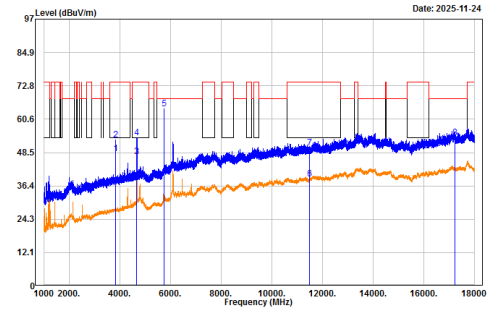
	Freq	Read Level	Factor	Limit Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3800.467	49.71	1.76	51.47	74.00	-22.53	Peak
2	3800.467	47.51	1.76	49.27	54.00	-4.73	Average
3	11400.000	32.82	14.49	47.31	74.00	-26.69	Peak
4	11400.000	22.37	14.49	36.86	54.00	-17.14	Average
5	17100.000	34.82	17.68	52.50	68.20	-15.70	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

UNII-3 Band IV 5725~5850 MHz

802.11a Mode, 5745 MHz

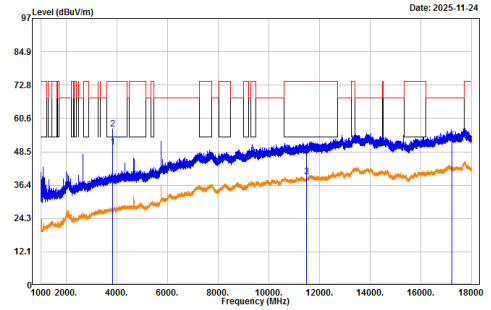
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : A-TX-5745
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Limit Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3829.933	46.38	1.82	48.20	54.00	-5.80	Average
2	3829.933	51.18	1.82	53.00	74.00	-21.00	Peak
3	4667.467	44.18	2.96	47.14	54.00	-6.86	Average
4	4667.467	51.03	2.96	53.99	74.00	-20.01	Peak
5	5744.133	59.02	5.41	64.43	68.20	-3.77	Peak
6	11490.000	24.19	14.63	38.82	54.00	-15.18	Average
7	11490.000	35.58	14.63	50.21	74.00	-23.79	Peak
8	17235.000	35.86	17.92	53.78	68.20	-14.42	Peak

Vertical

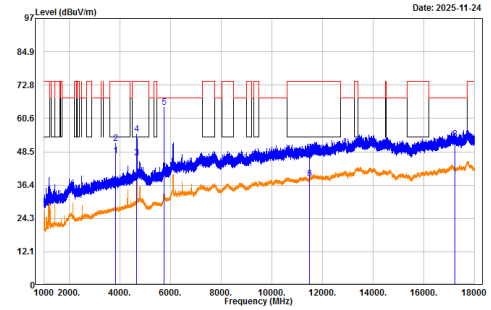


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : A-TX-5745
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Limit Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3829.933	48.37	1.82	50.19	54.00	-3.81	Average
2	3829.933	54.98	1.82	56.80	74.00	-17.20	Peak
3	11490.000	24.71	14.63	39.34	54.00	-14.66	Average
4	11490.000	33.72	14.63	48.35	74.00	-25.65	Peak
5	17235.000	34.72	17.92	52.64	68.20	-15.56	Peak

802.11 n20 Mode, 5745 MHz

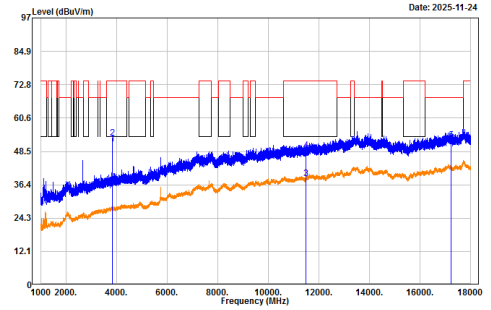
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : N20-TX-5745
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Limit Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3829.933	45.34	1.82	47.16	54.00	-6.84	Average
2	3829.933	49.71	1.82	51.53	74.00	-22.47	Peak
3	4668.600	43.25	2.97	46.22	54.00	-7.78	Average
4	4668.600	51.84	2.97	54.81	74.00	-19.19	Peak
5	5748.667	59.34	5.42	64.76	68.20	-3.44	Peak
6	11490.000	24.08	14.63	38.71	54.00	-15.29	Average
7	11490.000	33.58	14.63	48.21	74.00	-25.79	Peak
8	17235.000	35.25	17.92	53.17	68.20	-15.03	Peak

Vertical



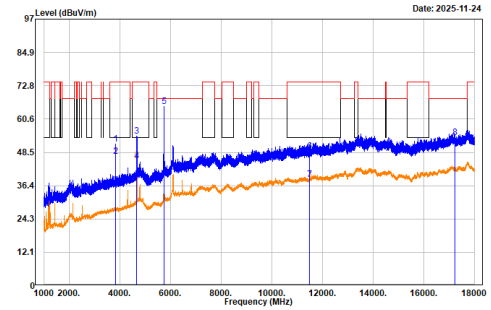
Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : N20-TX-5745
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Limit Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1 !	3829.933	49.33	1.82	51.15	54.00	-2.85	Average
2	3829.933	51.47	1.82	53.29	74.00	-20.71	Peak
3	11490.000	24.08	14.63	38.71	54.00	-15.29	Average
4	11490.000	34.30	14.63	48.93	74.00	-25.07	Peak
5	17235.000	34.55	17.92	52.47	68.20	-15.73	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11 ac20 Mode, 5745 MHz

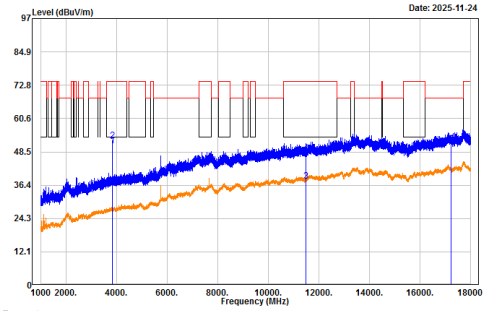
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : AC20-TX-5745
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3829.933	49.78	1.82	51.60	74.00	-22.40	Peak
2	3829.933	45.31	1.82	47.13	54.00	-6.87	Average
3	4670.867	51.57	2.97	54.54	74.00	-19.46	Peak
4	4670.867	42.49	2.97	45.46	54.00	-8.54	Average
5	5749.233	59.68	5.43	65.11	68.20	-3.09	Peak
6	11490.000	34.19	14.63	48.82	74.00	-25.18	Peak
7	11490.000	23.99	14.63	38.62	54.00	-15.38	Average
8	17235.000	35.95	17.92	53.87	68.20	-14.33	Peak

Vertical

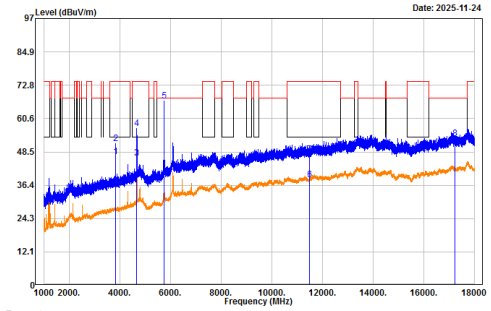


Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : AC20-TX-5745
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3829.933	48.79	1.82	50.61	54.00	-3.39	Average
2	3829.933	50.89	1.82	52.71	74.00	-21.29	Peak
3	11490.000	23.24	14.63	37.87	54.00	-16.13	Average
4	11490.000	33.49	14.63	48.12	74.00	-25.88	Peak
5	17235.000	33.44	17.92	51.36	68.20	-16.84	Peak

802.11 ax20 Mode, 5745 MHz

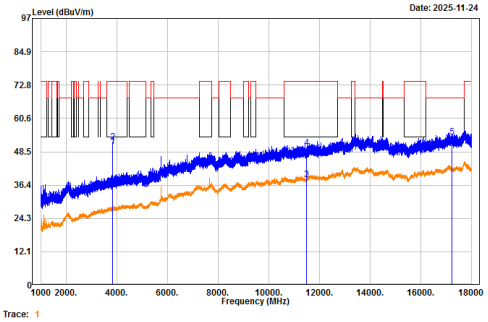
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : AX20-TX-5745
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3829.933	45.08	1.82	46.90	54.00	-7.10	Average
2	3829.933	49.59	1.82	51.41	74.00	-22.59	Peak
3	4672.000	43.34	2.97	46.31	54.00	-7.69	Average
4	4672.000	54.00	2.97	56.97	74.00	-17.03	Peak
5 !	5744.700	61.74	5.41	67.15	68.20	-1.05	Peak
6	11490.000	23.66	14.63	38.29	54.00	-15.71	Average
7	11490.000	32.97	14.63	47.60	74.00	-26.40	Peak
8	17235.000	35.49	17.92	53.41	68.20	-14.79	Peak

Vertical



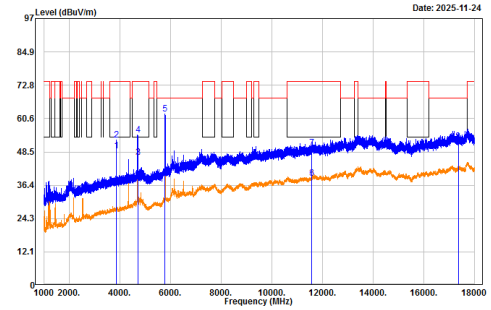
Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : AX20-TX-5745
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3829.933	48.74	1.82	50.56	54.00	-3.44	Average
2	3829.933	50.11	1.82	51.93	74.00	-22.07	Peak
3	11490.000	23.77	14.63	38.40	54.00	-15.60	Average
4	11490.000	35.28	14.63	49.91	74.00	-24.09	Peak
5	17235.000	35.98	17.92	53.90	68.20	-14.30	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11a Mode, 5785 MHz

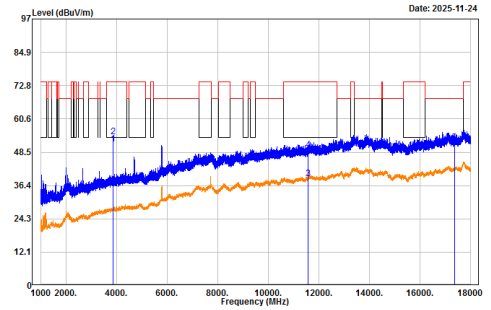
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : A-TX-5785
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3856.567	47.05	1.88	48.93	54.00	-5.07	Average
2	3856.567	50.89	1.88	52.77	74.00	-21.23	Peak
3	4704.867	43.40	3.04	46.44	54.00	-7.56	Average
4	4704.867	51.52	3.04	54.56	74.00	-19.44	Peak
5	5784.367	56.65	5.59	62.24	68.20	-5.96	Peak
6	11570.000	24.10	14.72	38.82	54.00	-15.18	Average
7	11570.000	35.22	14.72	49.94	74.00	-24.06	Peak
8	17355.000	34.07	18.26	52.33	68.20	-15.87	Peak

Vertical

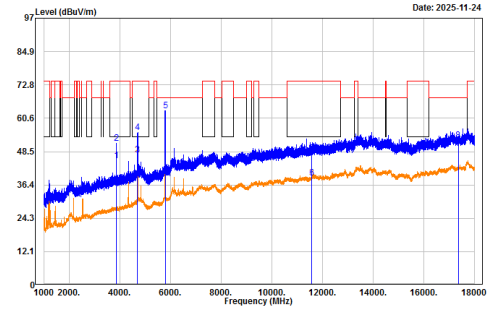


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : A-TX-5785
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1 !	3856.567	49.57	1.88	51.45	54.00	-2.55	Average
2	3856.567	52.37	1.88	54.25	74.00	-19.75	Peak
3	11570.000	24.14	14.72	38.86	54.00	-15.14	Average
4	11570.000	34.63	14.72	49.35	74.00	-24.65	Peak
5	17355.000	33.83	18.26	52.09	68.20	-16.11	Peak

802.11 n20 Mode, 5785 MHz

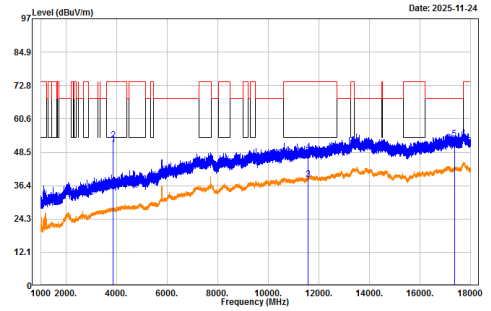
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : N20-TX-5785
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3856.567	43.39	1.88	45.27	54.00	-8.73	Average
2	3856.567	49.57	1.88	51.45	74.00	-22.55	Peak
3	4700.333	44.22	3.04	47.26	54.00	-6.74	Average
4	4700.333	52.53	3.04	55.57	74.00	-18.43	Peak
5	5788.333	57.82	5.61	63.43	68.20	-4.77	Peak
6	11570.000	24.20	14.72	38.92	54.00	-15.08	Average
7	11570.000	33.07	14.72	47.79	74.00	-26.21	Peak
8	17355.000	34.36	18.26	52.62	68.20	-15.58	Peak

Vertical



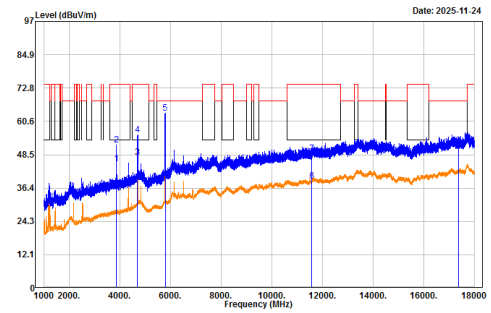
Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : N20-TX-5785
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1 !	3856.567	49.43	1.88	51.31	54.00	-2.69	Average
2	3856.567	51.05	1.88	52.93	74.00	-21.07	Peak
3	11570.000	24.01	14.72	38.73	54.00	-15.27	Average
4	11570.000	33.95	14.72	48.67	74.00	-25.33	Peak
5	17355.000	35.08	18.26	53.34	68.20	-14.86	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11 ac20 Mode, 5785 MHz

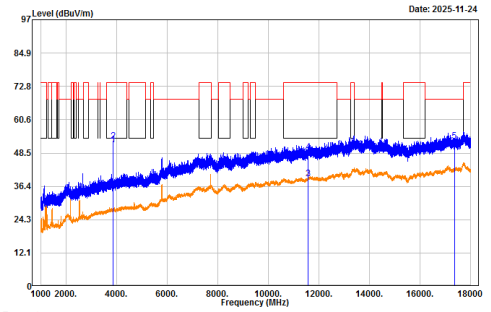
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : AC20-TX-5785
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3857.133	43.21	1.88	45.09	54.00	-8.91	Average
2	3857.133	50.10	1.88	51.98	74.00	-22.02	Peak
3	4699.767	44.57	3.04	47.61	54.00	-6.39	Average
4	4699.767	52.77	3.04	55.81	74.00	-18.19	Peak
5	5787.767	57.96	5.61	63.57	68.20	-4.63	Peak
6	11570.000	24.28	14.72	39.00	54.00	-15.00	Average
7	11570.000	34.04	14.72	48.76	74.00	-25.24	Peak
8	17355.000	33.63	18.26	51.89	68.20	-16.31	Peak

Vertical

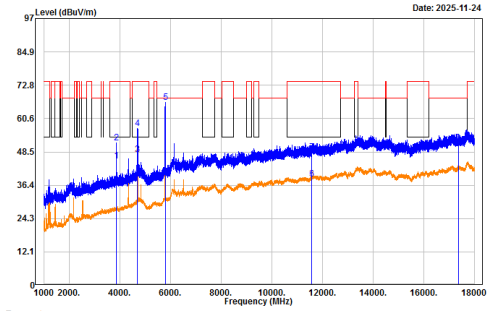


Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : AC20-TX-5785
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1 !	3856.567	49.60	1.88	51.48	54.00	-2.52	Average
2	3856.567	50.93	1.88	52.81	74.00	-21.19	Peak
3	11570.000	24.35	14.72	39.07	54.00	-14.93	Average
4	11570.000	34.07	14.72	48.79	74.00	-25.21	Peak
5	17355.000	34.61	18.26	52.87	68.20	-15.33	Peak

802.11 ax20 Mode, 5785 MHz

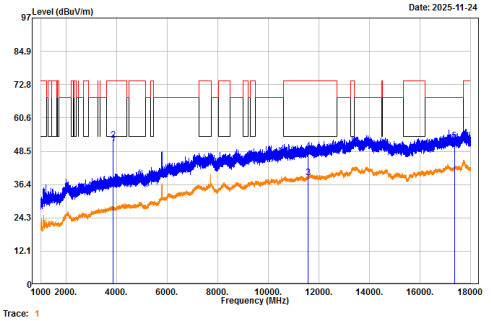
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : AX20-TX-5785
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3856.567	43.45	1.88	45.33	54.00	-8.67	Average
2	3856.567	49.95	1.88	51.83	74.00	-22.17	Peak
3	4701.467	44.47	3.04	47.51	54.00	-6.49	Average
4	4701.467	54.02	3.04	57.06	74.00	-16.94	Peak
5 !	5788.333	60.77	5.61	66.38	68.20	-1.82	Peak
6	11570.000	23.90	14.72	38.62	54.00	-15.38	Average
7	11570.000	33.67	14.72	48.39	74.00	-25.61	Peak
8	17355.000	33.45	18.26	51.71	68.20	-16.49	Peak

Vertical



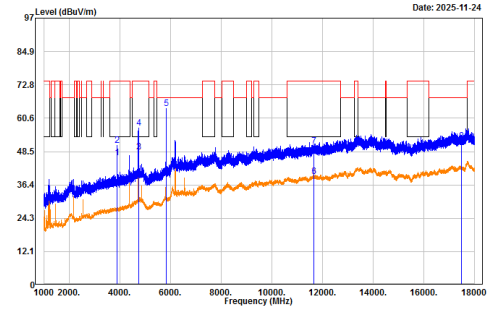
Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : AX20-TX-5785
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1 !	3856.567	49.44	1.88	51.32	54.00	-2.68	Average
2	3856.567	50.60	1.88	52.48	74.00	-21.52	Peak
3	11570.000	24.23	14.72	38.95	54.00	-15.05	Average
4	11570.000	33.99	14.72	48.71	74.00	-25.29	Peak
5	17355.000	34.00	18.26	52.26	68.20	-15.94	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11a Mode, 5825 MHz

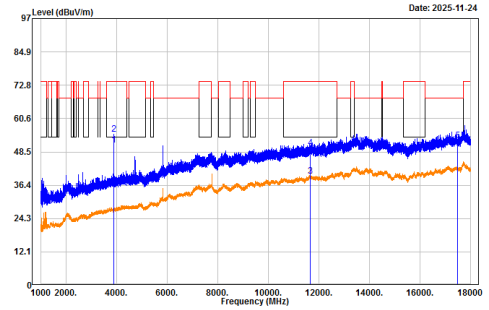
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : A-TX-5825
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3883.200	44.25	1.98	46.23	54.00	-7.77	Average
2	3883.200	48.78	1.98	50.76	74.00	-23.24	Peak
3	4736.033	45.29	3.04	48.33	54.00	-5.67	Average
4	4736.033	54.13	3.04	57.17	74.00	-16.83	Peak
5	5819.500	58.26	5.76	64.02	68.20	-4.18	Peak
6	11650.000	24.53	14.82	39.35	54.00	-14.65	Average
7	11650.000	35.74	14.82	50.56	74.00	-23.44	Peak
8	17475.000	33.88	18.43	52.31	68.20	-15.89	Peak

Vertical

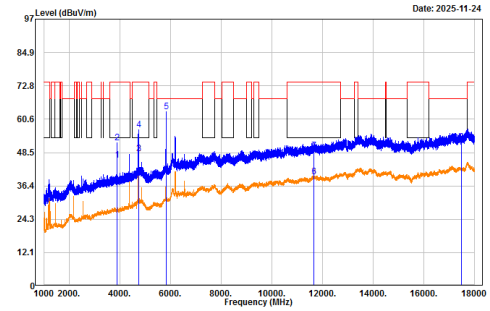


Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : A-TX-5825
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1 !	3883.200	49.11	1.98	51.09	54.00	-2.91	Average
2	3883.200	53.08	1.98	55.06	74.00	-18.94	Peak
3	11650.000	24.88	14.82	39.70	54.00	-14.30	Average
4	11650.000	35.03	14.82	49.85	74.00	-24.15	Peak
5	17475.000	34.15	18.43	52.58	68.20	-15.62	Peak

802.11 n20 Mode, 5825 MHz

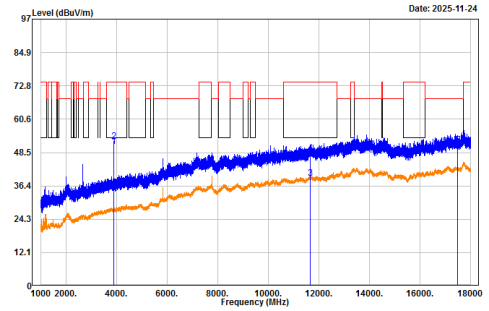
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : N20-TX-5825
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3883.200	43.67	1.98	45.65	54.00	-8.35	Average
2	3883.200	50.05	1.98	52.03	74.00	-21.97	Peak
3	4732.633	45.09	3.04	48.13	54.00	-5.87	Average
4	4732.633	53.86	3.04	56.90	74.00	-17.10	Peak
5	5821.200	57.63	5.76	63.39	68.20	-4.81	Peak
6	11650.000	24.78	14.82	39.60	54.00	-14.40	Average
7	11650.000	34.22	14.82	49.04	74.00	-24.96	Peak
8	17475.000	33.89	18.43	52.32	68.20	-15.88	Peak

Vertical



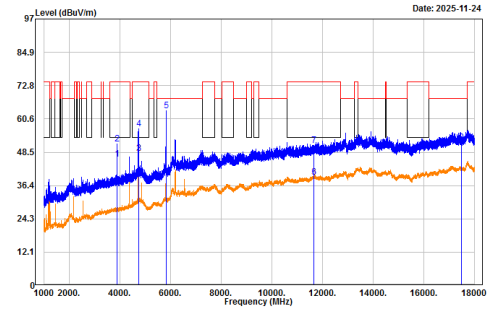
Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : N20-TX-5825
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3883.767	48.81	1.99	50.80	54.00	-3.20	Average
2	3883.767	50.54	1.99	52.53	74.00	-21.47	Peak
3	11650.000	24.39	14.82	39.21	54.00	-14.79	Average
4	11650.000	33.64	14.82	48.46	74.00	-25.54	Peak
5	17475.000	32.77	18.43	51.20	68.20	-17.00	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

802.11 ac20 Mode, 5825 MHz

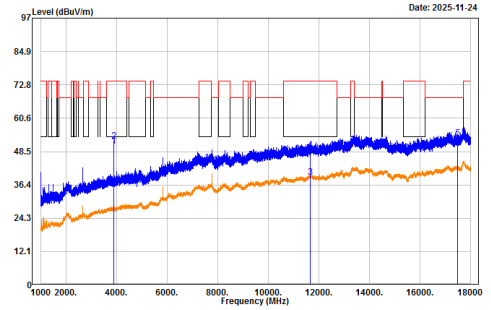
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : AC20-TX-5825
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3883.767	44.02	1.99	46.01	54.00	-7.99	Average
2	3883.767	49.56	1.99	51.55	74.00	-22.45	Peak
3	4737.733	45.11	3.04	48.15	54.00	-5.85	Average
4	4737.733	53.93	3.04	56.97	74.00	-17.03	Peak
5	5821.767	57.72	5.77	63.49	68.20	-4.71	Peak
6	11650.000	24.70	14.82	39.52	54.00	-14.48	Average
7	11650.000	36.24	14.82	51.06	74.00	-22.94	Peak
8	17475.000	33.62	18.43	52.05	68.20	-16.15	Peak

Vertical

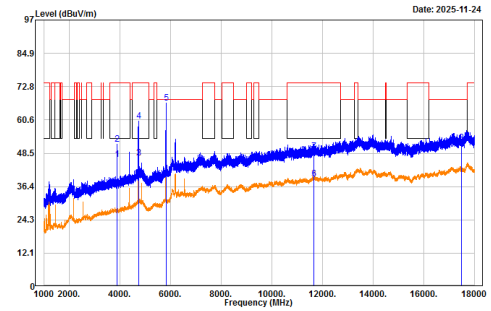


Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : AC20-TX-5825
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3883.767	48.54	1.99	50.53	54.00	-3.47	Average
2	3883.767	50.45	1.99	52.44	74.00	-21.56	Peak
3	11650.000	24.46	14.82	39.28	54.00	-14.72	Average
4	11650.000	34.31	14.82	49.13	74.00	-24.87	Peak
5	17475.000	34.96	18.43	53.39	68.20	-14.81	Peak

802.11 ax20 Mode, 5825 MHz

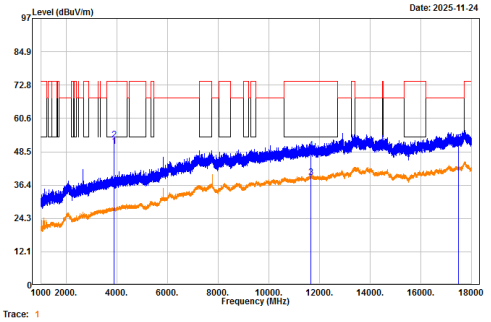
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : AX20-TX-5825
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3883.767	44.23	1.99	46.22	54.00	-7.78	Average
2	3883.767	49.82	1.99	51.81	74.00	-22.19	Peak
3	4736.033	43.77	3.04	46.81	54.00	-7.19	Average
4	4736.033	57.06	3.04	60.10	74.00	-13.90	Peak
5 !	5824.600	61.02	5.78	66.80	68.20	-1.40	Peak
6	11650.000	24.26	14.82	39.08	54.00	-14.92	Average
7	11650.000	34.27	14.82	49.09	74.00	-24.91	Peak
8	17475.000	33.94	18.43	52.37	68.20	-15.83	Peak

Vertical



Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.5℃/ 49%
Memo : AX20-TX-5825
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3883.767	48.53	1.99	50.52	54.00	-3.48	Average
2	3883.767	50.87	1.99	52.86	74.00	-21.14	Peak
3	11650.000	24.31	14.82	39.13	54.00	-14.87	Average
4	11650.000	34.32	14.82	49.14	74.00	-24.86	Peak
5	17475.000	33.14	18.43	51.57	68.20	-16.63	Peak

Level = Reading + Factor.

Over Limit = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

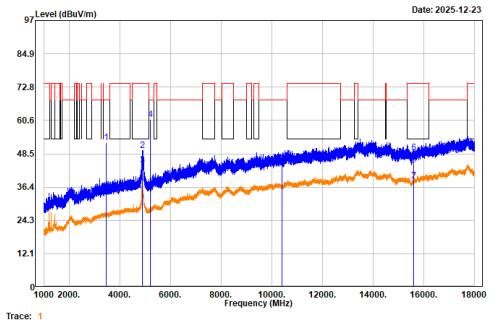
Test EUT Mode : RRQ61051-010

1GHz-18GHz:

UNII-1 Band I 5150~5250 MHz (Worst case is 802.11 n20 Mode)

5200 MHz

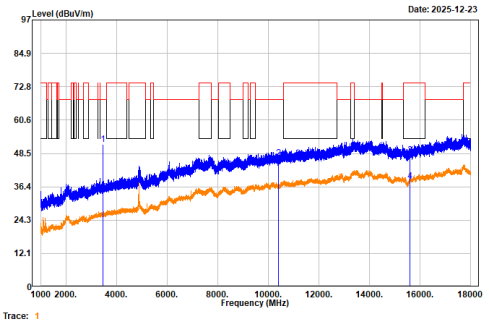
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m Horizontal
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 57%
Memo : N20-TX-5200
Memo : RBW/VBW: PK:1M/3M AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3466.700	51.40	1.06	52.46	68.20	-15.74	Peak
2	4874.867	46.37	3.43	49.80	74.00	-24.20	Peak
3	4874.867	41.05	3.43	44.48	54.00	-9.52	Average
4	5206.367	57.27	3.81	61.08	68.20	-7.12	Peak
5	10400.000	31.60	12.99	44.59	68.20	-23.61	Peak
6	15600.000	34.54	14.39	48.93	74.00	-25.07	Peak
7	15600.000	24.36	14.39	38.75	54.00	-15.25	Average

Vertical



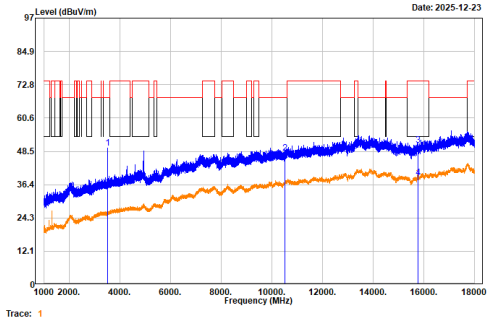
Trace: 1
Site : 966B Chamber
Condition: 3m Vertical
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 57%
Memo : N20-TX-5200
Memo : RBW/VBW: PK:1M/3M AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3466.700	50.70	1.06	51.76	68.20	-16.44	Peak
2	10400.000	33.74	12.99	46.73	68.20	-21.47	Peak
3	15600.000	33.46	14.39	47.85	74.00	-26.15	Peak
4	15600.000	24.10	14.39	38.49	54.00	-15.51	Average

UNII-2A Band II 5250~5350 MHz (Worst case is 802.11 a Mode)

5260 MHz

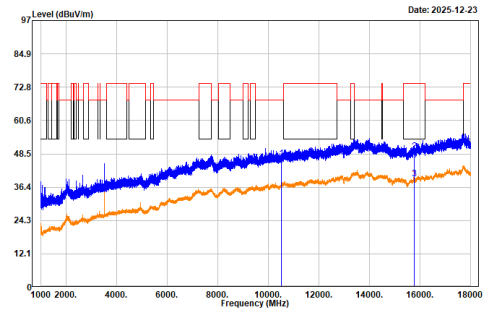
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 57%
Memo : A-TX-5260
Memo : RBW/VBW: PK:1M/3M AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3506.367	47.21	2.45	49.66	68.20	-18.54	Peak
2	10520.000	32.05	15.81	47.86	68.20	-20.34	Peak
3	15780.000	32.88	17.92	50.80	74.00	-23.20	Peak
4	15780.000	20.99	17.92	38.91	54.00	-15.09	Average

Vertical



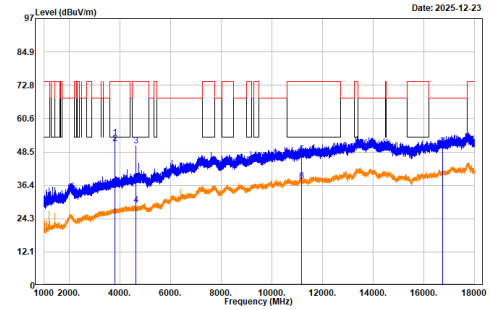
Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 57%
Memo : A-TX-5260
Memo : RBW/VBW: PK:1M/3M AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	10520.000	30.98	15.81	46.79	68.20	-21.41	Peak
2	15780.000	31.51	17.92	49.43	74.00	-24.57	Peak
3	15780.000	21.57	17.92	39.49	54.00	-14.51	Average

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

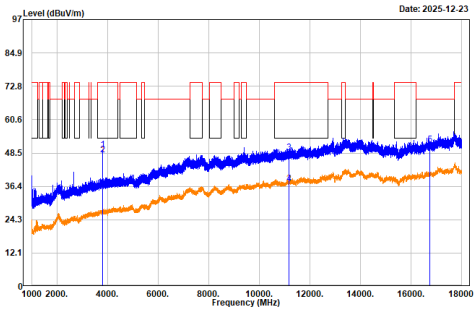
UNII-2C Band III 5470~5725 MHz (Worst case is 802.11 n20 Mode)

5580 MHz	
Horizontal	**Vertical**



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005_Renesas
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 57%
Memo : N20-TX-5580
Memo : RBW/VBW: PK:1M/3M AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3799.900	50.35	3.28	53.63	74.00	-20.37	Peak
2 !	3799.900	48.12	3.28	51.40	54.00	-2.60	Average
3	4627.233	46.28	4.54	50.82	74.00	-23.18	Peak
4	4627.233	24.64	4.54	29.18	54.00	-24.82	Average
5	11160.000	31.31	16.33	47.64	74.00	-26.36	Peak
6	11160.000	21.50	16.33	37.83	54.00	-16.17	Average
7	16740.000	30.63	19.73	50.36	68.20	-17.84	Peak

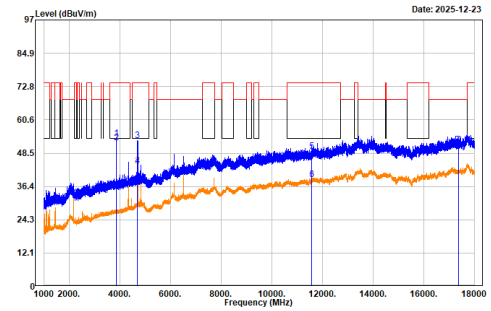


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005_Renesas
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 57%
Memo : N20-TX-5580
Memo : RBW/VBW: PK:1M/3M AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3799.900	46.41	3.28	49.69	74.00	-24.31	Peak
2	3799.900	44.68	3.28	47.96	54.00	-6.04	Average
3	11160.000	32.18	16.33	48.51	74.00	-25.49	Peak
4	11160.000	20.94	16.33	37.27	54.00	-16.73	Average
5	16740.000	31.73	19.73	51.46	68.20	-16.74	Peak

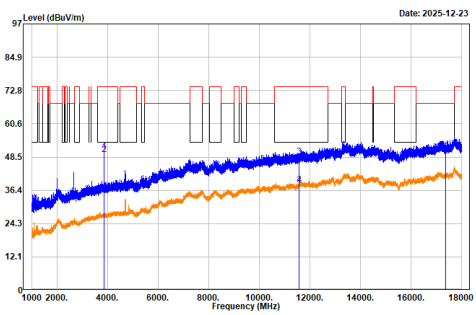
UNII-3 Band IV 5725~5850 MHz (Worst case is 802.11 n20 Mode)

5785 MHz	
Horizontal	**Vertical**



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 57%
Memo : N20-TX-5785
Memo : RBW/VBW: PK:1M/3M AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3856.567	50.44	3.41	53.85	74.00	-20.15	Peak
2 !	3856.567	48.78	3.41	52.19	54.00	-1.81	Average
3	4696.367	48.41	4.71	53.12	74.00	-20.88	Peak
4	4696.367	39.31	4.71	44.02	54.00	-9.98	Average
5	11570.000	31.82	17.32	49.14	74.00	-24.86	Peak
6	11570.000	21.72	17.32	39.04	54.00	-14.96	Average
7	17355.000	30.27	21.32	51.59	68.20	-16.61	Peak



Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 57%
Memo : N20-TX-5785
Memo : RBW/VBW: PK:1M/3M AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3856.567	47.00	3.41	50.41	74.00	-23.59	Peak
2	3856.567	47.47	1.88	49.35	54.00	-4.65	Average
3	11570.000	31.28	17.32	48.60	74.00	-25.40	Peak
4	11570.000	23.68	14.72	38.40	54.00	-15.60	Average
5	17355.000	29.12	21.32	50.44	68.20	-17.76	Peak

Level = Reading + Factor.

Over Limit = Level – Limit.

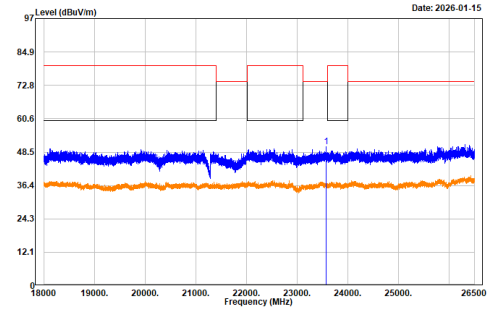
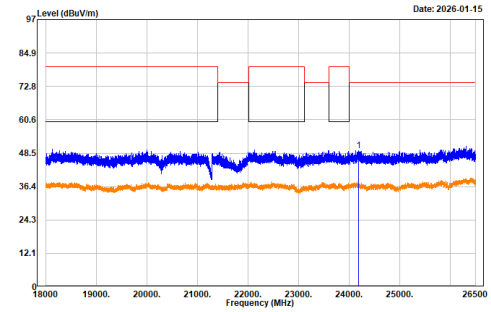
Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

Test EUT Mode : RRQ61051-009

18GHz-26.5GHz:

UNII-1 Band I 5150~5250 MHz (Worst case is 802.11 n20 Mode)

5200 MHz	
Horizontal	**Vertical**
	

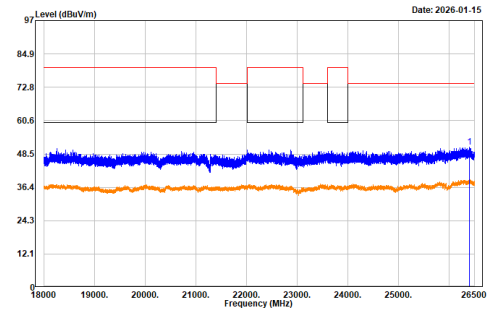
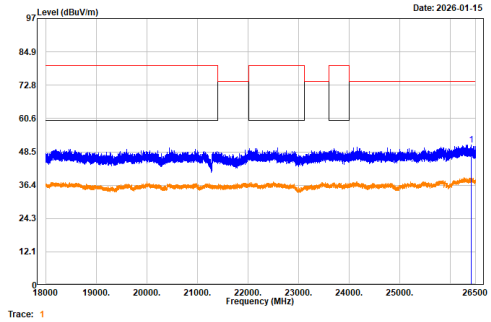
Trace: 1
Site : 966B Chamber
Condition: 1.5m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.2℃/52%
Memo : N20-TX-5200
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	23574.870	48.53	1.87	50.40	74.20	-23.80	Peak

Trace: 1
Site : 966B Chamber
Condition: 1.5m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.2℃/52%
Memo : N20-TX-5200
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	24191.680	47.82	1.70	49.52	74.20	-24.68	Peak

UNII-2A Band II 5250~5350 MHz (Worst case is 802.11 a Mode)

5260 MHz	
Horizontal	**Vertical**
	

Trace: 1
Site : 966B Chamber
Condition: 1.5m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.2℃/52%
Memo : A-TX-5260
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	26401.120	45.37	5.57	50.94	74.20	-23.26	Peak

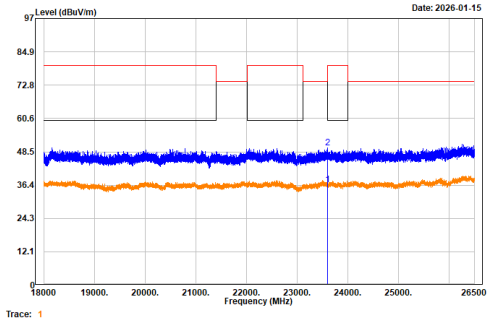
Trace: 1
Site : 966B Chamber
Condition: 1.5m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.2℃/52%
Memo : A-TX-5260
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	26409.330	45.45	5.59	51.04	74.20	-23.16	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

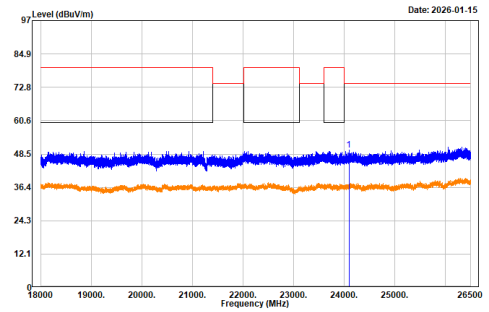
UNII-2C Band III 5470~5725 MHz (Worst case is 802.11 n20 Mode)

5580 MHz	
Horizontal	**Vertical**



Trace: 1
Site : 966B Chamber
Condition: 1.5m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.2℃/52%
Memo : N20-TX-5580
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	23603.480	34.58	1.86	36.44	60.00	-23.56	Average
2	23603.480	48.14	1.86	50.00	80.00	-30.00	Peak

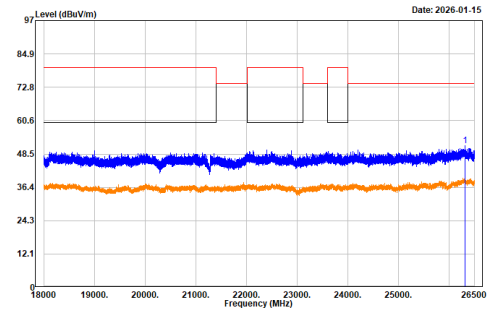


Trace: 1
Site : 966B Chamber
Condition: 1.5m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.2℃/52%
Memo : N20-TX-5580
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	24092.520	48.31	1.66	49.97	74.20	-24.23	Peak

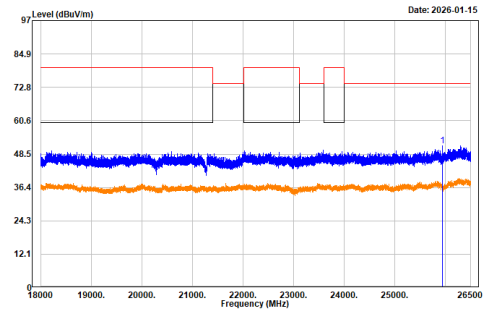
UNII-3 Band IV 5725~5850 MHz (Worst case is 802.11 n20 Mode)

5785 MHz	
Horizontal	**Vertical**



Trace: 1
Site : 966B Chamber
Condition: 1.5m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.2℃/52%
Memo : N20-TX-5785
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	26307.050	46.17	5.29	51.46	74.20	-22.74	Peak



Trace: 1
Site : 966B Chamber
Condition: 1.5m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.2℃/52%
Memo : N20-TX-5785
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	25938.430	47.25	4.30	51.55	74.20	-22.65	Peak

Level = Reading + Factor.

Over Limit = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

For 18-26.5GHz Convert the test distance limit of 3 meters to a limit of 1.5 meter:

Conversion factor = 20 log (1.5m/3m) = 6 dB,

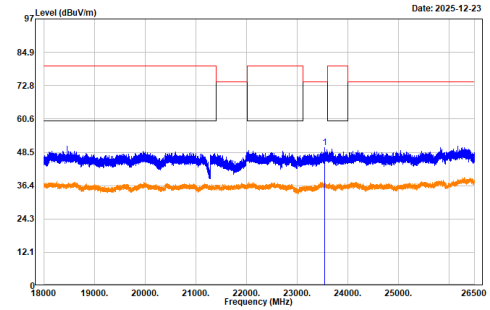
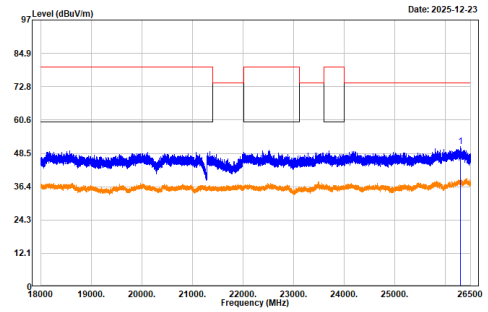
Average Limit = 54+6 = 60 dBuV/m@1.5m , Peak Limit = 60+20 = 80 dBuV/m@1.5m

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

Test EUT Mode : RRQ61051-010

18GHz-26.5GHz:

UNII-1 Band I 5150~5250 MHz (Worst case is 802.11 n20 Mode)

5200 MHz	
Horizontal	**Vertical**
	

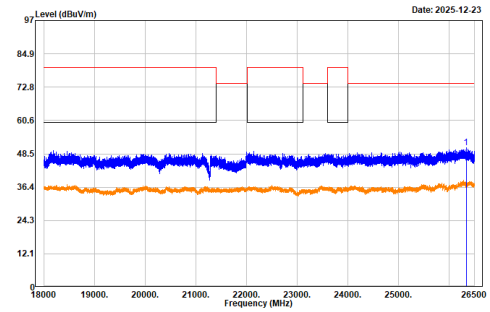
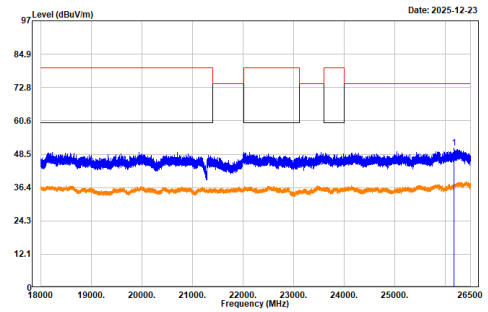
Trace: 1
Site : 966B Chamber
Condition: 1.5m horizontal
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 57%
Memo : N20-TX-5200
Memo : RBW/VBW: PK:1M/3M AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	23537.470	48.30	1.89	50.19	74.20	-24.01	Peak

Trace: 1
Site : 966B Chamber
Condition: 1.5m vertical
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 57%
Memo : N20-TX-5200
Memo : RBW/VBW: PK:1M/3M AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	26302.800	45.72	5.28	51.00	74.20	-23.20	Peak

UNII-2A Band II 5250~5350 MHz (Worst case is 802.11 a Mode)

5260 MHz	
Horizontal	**Vertical**
	

Trace: 1
Site : 966B Chamber
Condition: 1.5m horizontal
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 57%
Memo : A-TX-5260
Memo : RBW/VBW: PK:1M/3M AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	26334.530	45.44	5.36	50.80	74.20	-23.40	Peak

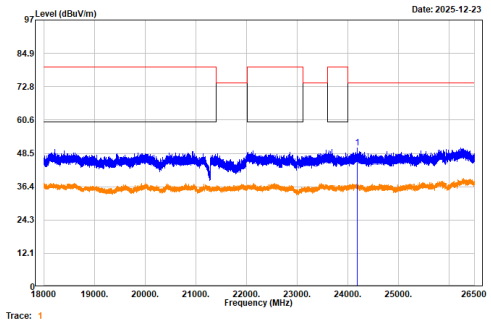
Trace: 1
Site : 966B Chamber
Condition: 1.5m vertical
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 57%
Memo : A-TX-5260
Memo : RBW/VBW: PK:1M/3M AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	26176.150	45.74	4.90	50.64	74.20	-23.56	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

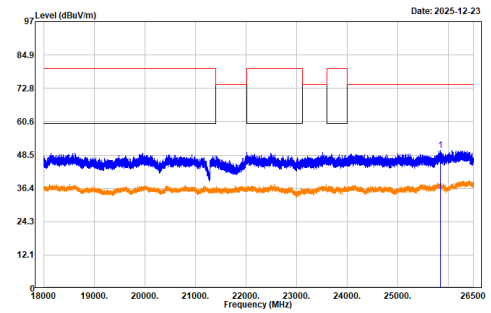
UNII-2C Band III 5470~5725 MHz (Worst case is 802.11 n20 Mode)

5580 MHz	
Horizontal	**Vertical**



Trace: 1
Site : 966B Chamber
Condition: 1.5m horizontal
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 57%
Memo : N20-TX-5580
Memo : RBW/VBW: PK:1M/3M AV:1M/5k

	Freq	Read Level	Factor	Limit Level	Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	24182.620	48.75	1.70	50.45	74.20	-23.75	Peak

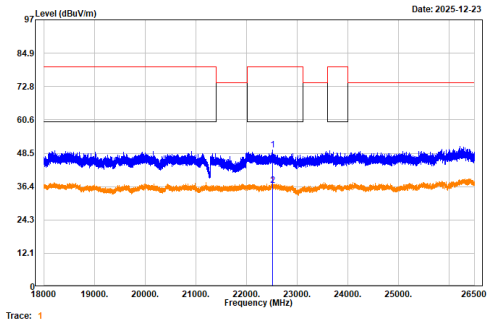


Trace: 1
Site : 966B Chamber
Condition: 1.5m vertical
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 57%
Memo : N20-TX-5580
Memo : RBW/VBW: PK:1M/3M AV:1M/5k

	Freq	Read Level	Factor	Limit Level	Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	25837.000	46.11	4.12	50.23	74.20	-23.97	Peak

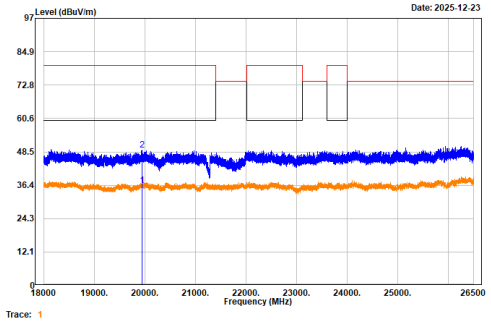
UNII-3 Band IV 5725~5850 MHz (Worst case is 802.11 n20 Mode)

5785 MHz	
Horizontal	**Vertical**



Trace: 1
Site : 966B Chamber
Condition: 1.5m horizontal
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 57%
Memo : N20-TX-5785
Memo : RBW/VBW: PK:1M/3M AV:1M/5k

	Freq	Read Level	Factor	Limit Level	Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	22509.820	48.56	1.08	49.64	80.00	-30.36	Peak
2	22509.820	35.64	1.08	36.72	60.00	-23.28	Average



Trace: 1
Site : 966B Chamber
Condition: 1.5m vertical
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 57%
Memo : N20-TX-5785
Memo : RBW/VBW: PK:1M/3M AV:1M/5k

	Freq	Read Level	Factor	Limit Level	Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	19938.280	38.99	-2.67	36.32	60.00	-23.68	Average
2	19938.280	51.96	-2.67	49.29	80.00	-30.71	Peak

Level = Reading + Factor.

Over Limit = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

For 18-26.5GHz Convert the test distance limit of 3 meters to a limit of 1.5 meter:

Conversion factor = 20 log (1.5m/3m) = 6 dB,

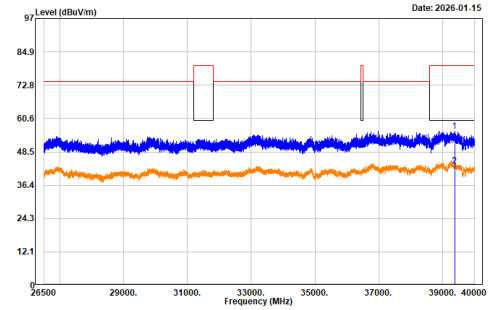
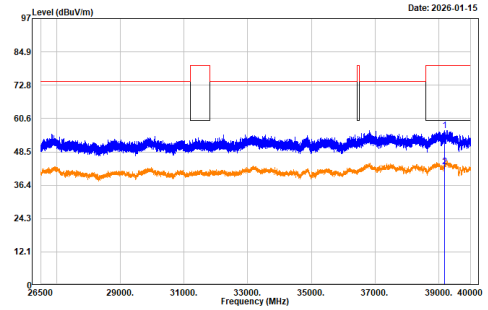
Average Limit = 54+6 = 60 dBuV/m@1.5m , Peak Limit = 60+20 = 80 dBuV/m@1.5m

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

Test EUT Mode : RRQ61051-009

26.5GHz-40GHz:

UNII-1 Band I 5150~5250 MHz (Worst case is 802.11 n20 Mode)

5200 MHz	
Horizontal	**Vertical**
	

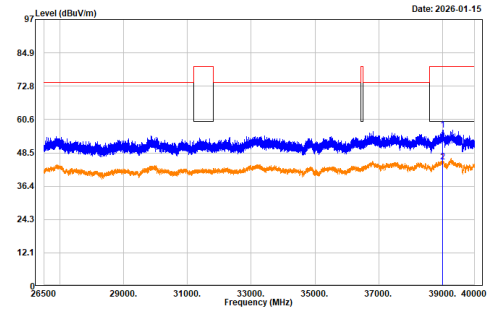
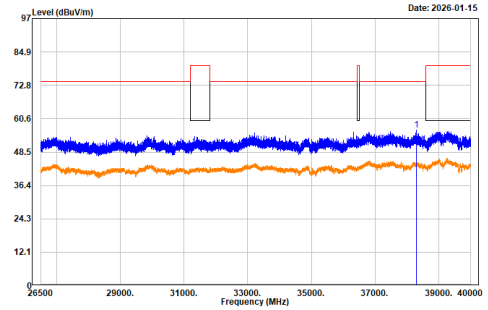
Trace: 1
Site : 966B Chamber
Condition: 1.5m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.2℃/52%
Memo : N20-TX-5200
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	39374.950	49.61	6.45	56.06	80.00	-23.94	Peak
2	39374.950	36.81	6.45	43.26	60.00	-16.74	Average

Trace: 1
Site : 966B Chamber
Condition: 1.5m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.2℃/52%
Memo : N20-TX-5200
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	39184.150	49.12	7.24	56.36	80.00	-23.64	Peak
2	39184.150	35.77	7.24	43.01	60.00	-16.99	Average

UNII-2A Band II 5250~5350 MHz (Worst case is 802.11 a Mode)

5260 MHz	
Horizontal	**Vertical**
	

Trace: 1
Site : 966B Chamber
Condition: 1.5m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.2℃/52%
Memo : A-TX-5260
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

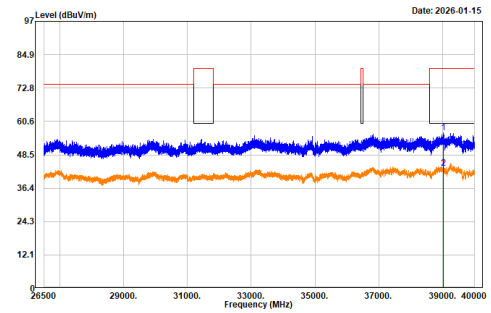
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	39006.400	49.02	7.84	56.86	80.00	-23.14	Peak
2	39006.400	37.28	7.84	45.12	60.00	-14.88	Average

Trace: 1
Site : 966B Chamber
Condition: 1.5m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.2℃/52%
Memo : A-TX-5260
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	38292.250	49.13	7.48	56.61	74.20	-17.59	Peak

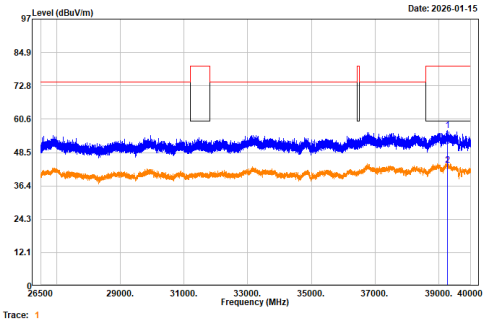
UNII-2C Band III 5470~5725 MHz (Worst case is 802.11 n20 Mode)

5580 MHz	
Horizontal	**Vertical**



Trace: 1
Site : 966B Chamber
Condition: 1.5m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.2℃/52%
Memo : N20-TX-5580
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	39019.000	48.60	7.80	56.40	80.00	-23.60	Peak
2	39019.000	35.81	7.80	43.61	60.00	-16.39	Average

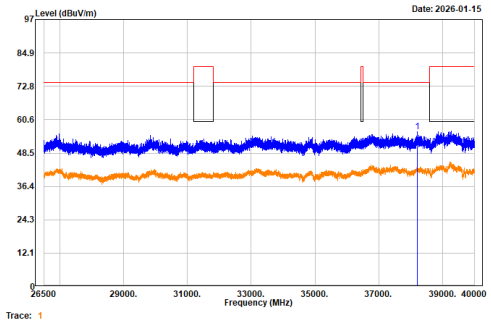


Trace: 1
Site : 966B Chamber
Condition: 1.5m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.2℃/52%
Memo : N20-TX-5580
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	39262.000	49.61	6.96	56.57	80.00	-23.43	Peak
2	39262.000	37.01	6.96	43.97	60.00	-16.03	Average

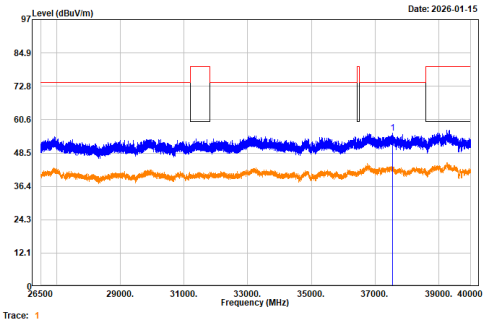
UNII-3 Band IV 5725~5850 MHz (Worst case is 802.11 n20 Mode)

5785 MHz	
Horizontal	**Vertical**



Trace: 1
Site : 966B Chamber
Condition: 1.5m horizontal
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.2℃/52%
Memo : N20-TX-5785
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	38214.400	48.79	7.51	56.30	74.20	-17.90	Peak



Trace: 1
Site : 966B Chamber
Condition: 1.5m vertical
Job No : RLK250801005
Model : RRQ61051-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.2℃/52%
Memo : N20-TX-5785
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	37557.850	47.53	8.18	55.71	74.20	-18.49	Peak

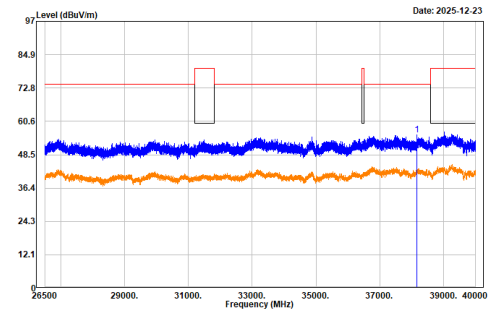
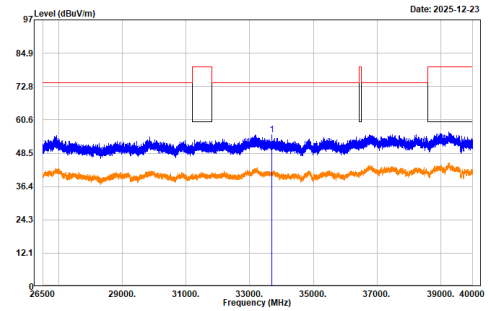
Level = Reading + Factor.
Over Limit = Level – Limit.
Factor = Antenna Factor + Cable Loss – Amplifier Gain.
For 26.5-40GHz Convert the test distance limit of 3 meters to a limit of 1.5 meter:
Conversion factor = 20 log (1.5m/3m) = 6 dB,
Average Limit = 54+6 = 60 dBuV/m@1.5m , Peak Limit = 60+20 = 80 dBuV/m@1.5m

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

Test EUT Mode : RRQ61051-010

26.5GHz-40GHz:

UNII-1 Band I 5150~5250 MHz (Worst case is 802.11 n20 Mode)

5200 MHz	
Horizontal	**Vertical**
	

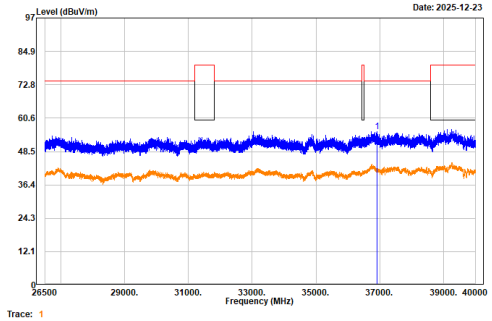
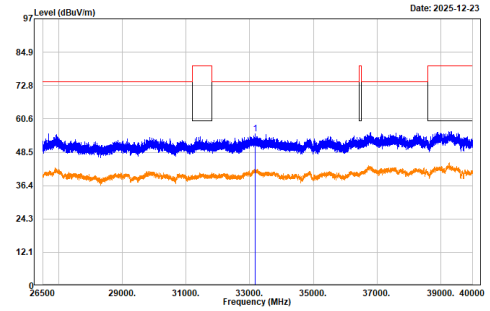
Trace: 1
Site : 966B Chamber
Condition: 1.5m horizontal
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 57%
Memo : N20-TX-5200
Memo : RBW/VBW: PK:1M/3M AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	38168.050	48.30	7.49	55.79	74.20	-18.41	Peak

Trace: 1
Site : 966B Chamber
Condition: 1.5m vertical
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 57%
Memo : N20-TX-5200
Memo : RBW/VBW: PK:1M/3M AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	33696.400	46.96	8.36	55.32	74.20	-18.88	Peak

UNII-2A Band II 5250~5350 MHz (Worst case is 802.11 a Mode)

5260 MHz	
Horizontal	**Vertical**
	

Trace: 1
Site : 966B Chamber
Condition: 1.5m horizontal
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 57%
Memo : A-TX-5260
Memo : RBW/VBW: PK:1M/3M AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	36911.650	48.25	7.58	55.83	74.20	-18.37	Peak

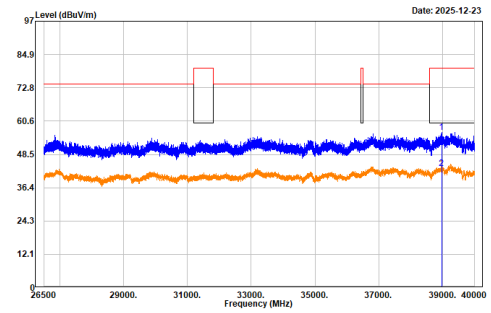
Trace: 1
Site : 966B Chamber
Condition: 1.5m vertical
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 57%
Memo : A-TX-5260
Memo : RBW/VBW: PK:1M/3M AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	33169.900	45.91	9.28	55.19	74.20	-19.01	Peak

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

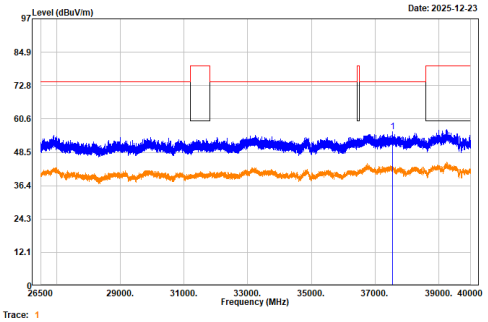
UNII-2C Band III 5470~5725 MHz (Worst case is 802.11 n20 Mode)

5580 MHz	
Horizontal	**Vertical**



Trace: 1
Site : 966B Chamber
Condition: 1.5m horizontal
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 57%
Memo : N20-TX-5580
Memo : RBW/VBW: PK:1M/3M AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	38965.900	48.72	7.79	56.51	80.00	-23.49	Peak
2	38965.900	35.51	7.79	43.30	60.00	-16.70	Average

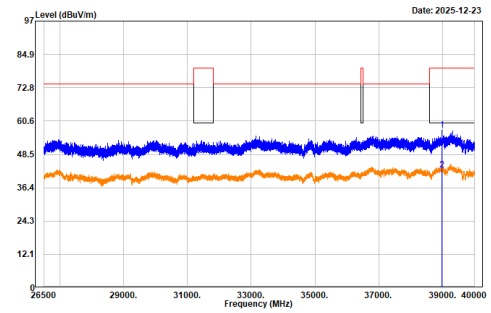


Trace: 1
Site : 966B Chamber
Condition: 1.5m vertical
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 57%
Memo : N20-TX-5580
Memo : RBW/VBW: PK:1M/3M AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	37544.350	47.72	8.21	55.93	74.20	-18.27	Peak

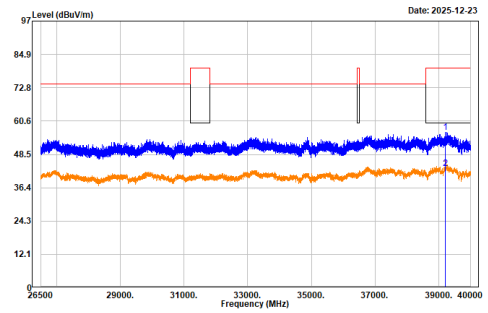
UNII-3 Band IV 5725~5850 MHz (Worst case is 802.11 n20 Mode)

5785 MHz	
Horizontal	**Vertical**



Trace: 1
Site : 966B Chamber
Condition: 1.5m horizontal
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 57%
Memo : N20-TX-5785
Memo : RBW/VBW: PK:1M/3M AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	38984.800	49.44	7.83	57.27	80.00	-22.73	Peak
2	38984.800	34.96	7.83	42.79	60.00	-17.21	Average



Trace: 1
Site : 966B Chamber
Condition: 1.5m vertical
Job No : RLK250801005
Model : RRQ61051-010
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.7℃/ 57%
Memo : N20-TX-5785
Memo : RBW/VBW: PK:1M/3M AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	39201.250	49.38	7.19	56.57	80.00	-23.43	Peak
2	39201.250	36.06	7.19	43.25	60.00	-16.75	Average

Level = Reading + Factor.
Over Limit = Level – Limit.
Factor = Antenna Factor + Cable Loss – Amplifier Gain.
For 26.5-40GHz Convert the test distance limit of 3 meters to a limit of 1.5 meter:
Conversion factor = 20 log (1.5m/3m) = 6 dB,
Average Limit = 54+6 = 60 dBuV/m@1.5m , Peak Limit = 60+20 = 80 dBuV/m@1.5m

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

8 FCC §15.407(a)(e) – Emission Bandwidth And Occupied Bandwidth

8.1 Applicable Standard

As per FCC §15.407(a): The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band are made over a reference bandwidth of 500 kHz or the 26 dB emission bandwidth of the device, whichever is less. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

As per FCC §15.407(e): for equipment operating in the band 5725 – 5850 MHz, the minimum 6 dB bandwidth of U-NII devices shall be 500 kHz.

8.2 Test Procedure

26dB Emission Bandwidth (EBW)

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01

a) Set RBW = approximately 1% of the emission bandwidth.

b) Set the VBW > RBW.

c) Detector = Peak.

d) Trace mode = max hold.

e) Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

Minimum Emission Bandwidth for the band 5.725-5.85 GHz

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01

a) Set RBW = 100 kHz.

b) Set the video bandwidth (VBW) ≥ 3 × RBW.

c) Detector = Peak.

d) Trace mode = max hold.

e) Sweep = auto couple.

f) Allow the trace to stabilize.

g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

99% Occupied Bandwidth:

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01
The 99% occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. Measurement of the 99% occupied bandwidth is required only as a condition for using the optional band edge measurement techniques described in II.G.3.d). Measurements of 99% occupied bandwidth may also optionally be used in lieu of the EBW to define the minimum frequency range over which the spectrum is integrated when measuring maximum conducted output power as described in II.E.
However, the EBW must be measured to determine bandwidth dependent limits on maximum conducted output power in accordance with Section 15.407(a).

The following procedure shall be used for measuring (99%) power bandwidth:

1. Set center frequency to the nominal EUT channel center frequency.

2. Set span = 1.5 times to 5.0 times the OBW.

3. Set RBW = 1% to 5% of the OBW

4. Set VBW $\geq 3 \times$ RBW

5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.

6. Use the 99% power bandwidth function of the instrument (if available).

7. If the instrument does not have a 99% power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

8.3 Test Results

Test mode: Transmitting

UNII-1 Band I 5150~5250 MHz

UNII Band	Mode	Channel	Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Emission Bandwidth (MHz)
UNII-1	802.11a	36	5180	40.90	17.06
		40	5200	41.50	16.78
		48	5240	35.60	16.82
	802.11 n20	36	5180	44.90	18.06
		40	5200	43.70	18.06
		48	5240	39.10	17.54
	802.11 ac20	36	5180	44.70	19.14
		40	5200	47.10	19.06
		48	5240	38.40	17.86
	802.11 ax20	36	5180	43.20	19.46
		40	5200	41.70	19.42
		48	5240	35.20	18.82

The 99% Occupied Bandwidth have not fallen into the band 5250-5350MHz, please refer to the test plots of 99% Occupied Bandwidth.

UNII-2A Band II 5250~5350 MHz

UNII Band	Mode	Channel	Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Emission Bandwidth (MHz)
UNII-2A	802.11a	52	5260	42.50	19.42
		60	5300	43.20	19.30
		64	5320	37.40	16.58
	802.11 n20	52	5260	43.90	19.10
		60	5300	42.50	18.22
		64	5320	38.40	17.74
	802.11 ac20	52	5260	44.00	18.42
		60	5300	45.10	18.82
		64	5320	38.00	17.86
	802.11 ax20	52	5260	43.90	19.38
		60	5300	45.80	19.34
		64	5320	36.70	18.86

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

UNII-2C Band III 5470~5725 MHz

UNII Band	Mode	Channel	Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Emission Bandwidth (MHz)
UNII-2C	802.11a	100	5500	39.00	17.34
		116	5580	40.40	17.26
		136	5680	38.40	16.70
		140	5700	34.8	16.70
	802.11 n20	100	5500	45.50	18.54
		116	5580	45.10	19.10
		136	5680	42.00	18.18
		140	5700	36.1	17.78
	802.11 ac20	100	5500	46.10	18.54
		116	5580	46.40	18.74
		136	5680	40.50	18.50
		140	5700	35.6	17.86
	802.11 ax20	100	5500	44.30	19.26
		116	5580	46.00	19.18
		136	5680	40.20	19.02
		140	5700	32.2	18.78

UNII-3 Band IV 5725~5850 MHz

UNII Band	Mode	Channel	Frequency (MHz)	6dB Emission Bandwidth (MHz)	99% Emission Bandwidth (MHz)	Limit (kHz)	Result
UNII-3	802.11a	149	5745	16.26	16.42	≥500	PASS
		157	5785	16.04	17.58	≥500	PASS
		165	5825	15.68	17.74	≥500	PASS
	802.11 n20	149	5745	16.80	17.86	≥500	PASS
		157	5785	16.32	19.02	≥500	PASS
		165	5825	16.60	19.02	≥500	PASS
	802.11 ac20	149	5745	16.92	17.94	≥500	PASS
		157	5785	18.20	19.06	≥500	PASS
		165	5825	16.28	18.94	≥500	PASS
	802.11 ax20	149	5745	17.82	18.90	≥500	PASS
		157	5785	16.80	19.70	≥500	PASS
		165	5825	16.68	19.10	≥500	PASS

The 99% Occupied Bandwidth have not fallen into the band 5470-5725MHz, please refer to the test plots of 99% Occupied Bandwidth.

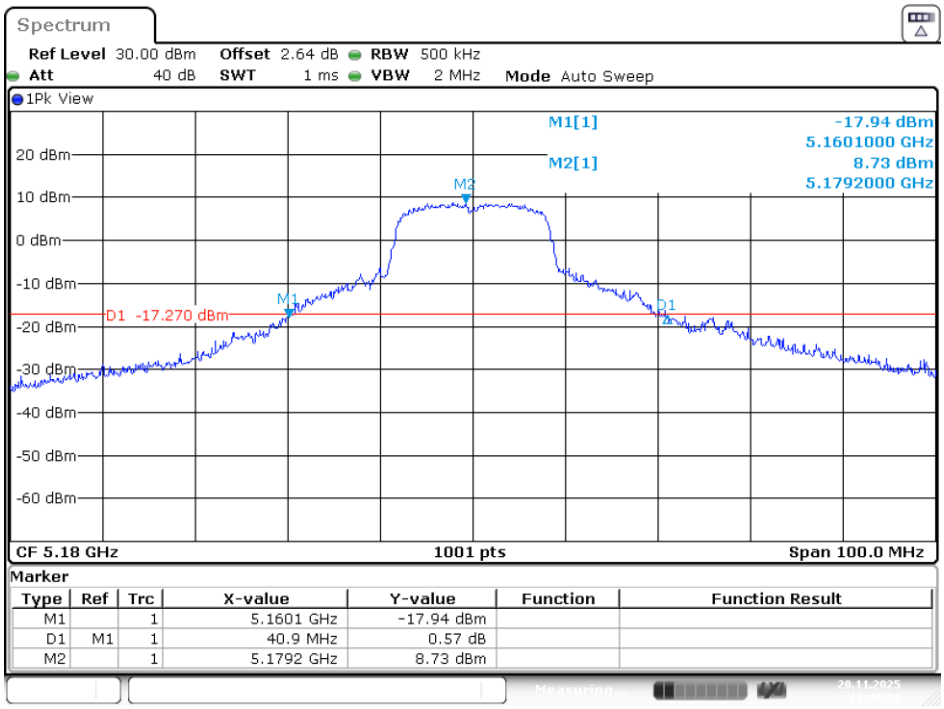
Please refer to the following plots

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

UNII-1 Band I / BW 26dBc

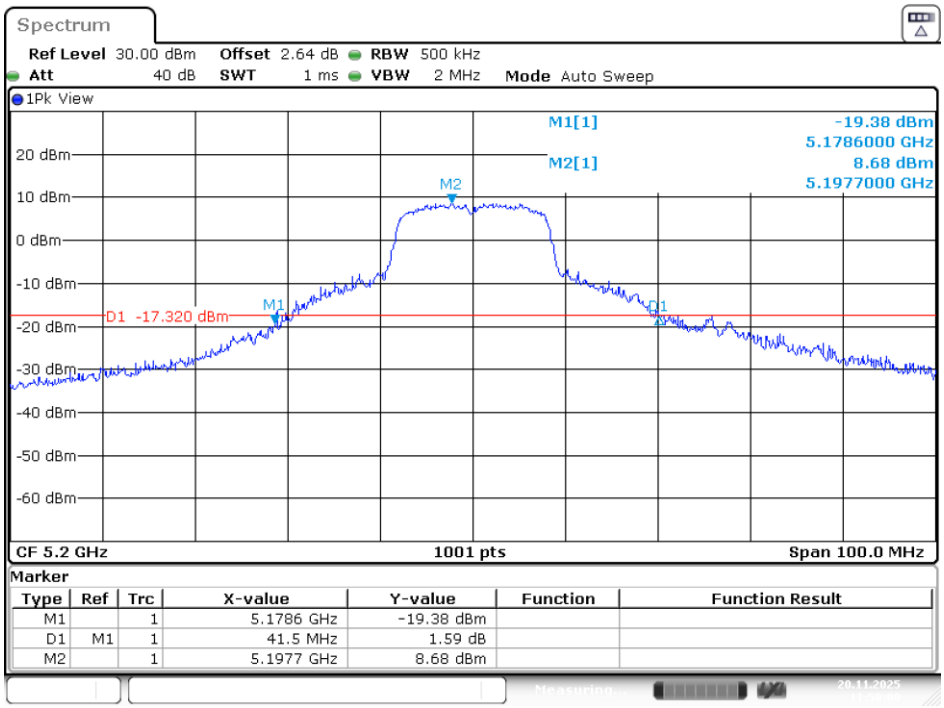
802.11a Mode / 5150 ~ 5250MHz

5180MHz



Date: 20.NOV.2025 11:41:00

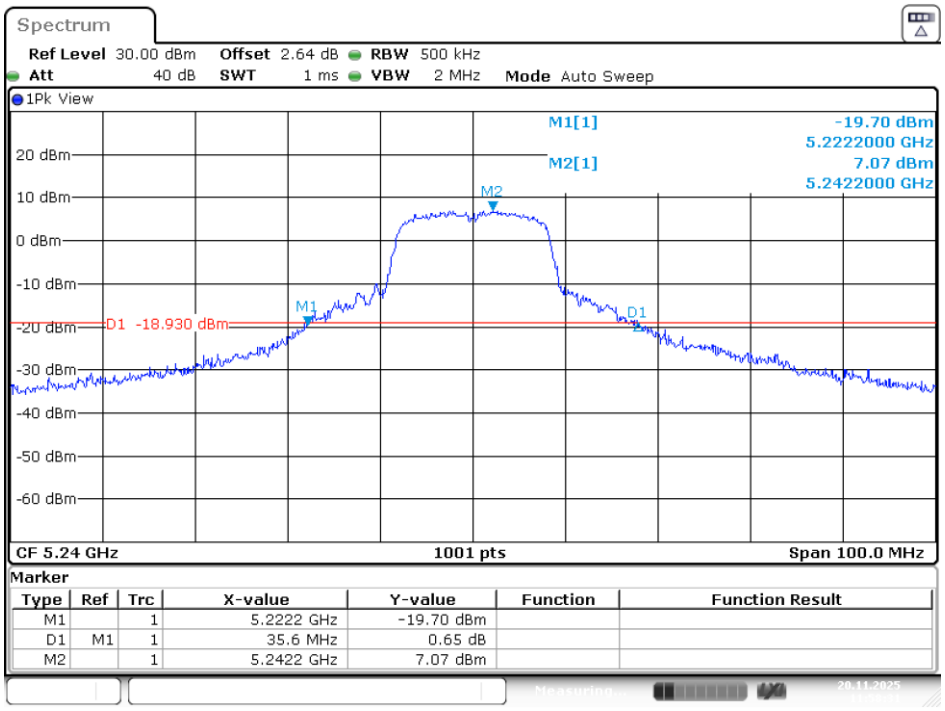
5200MHz



Date: 20.NOV.2025 11:50:01

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

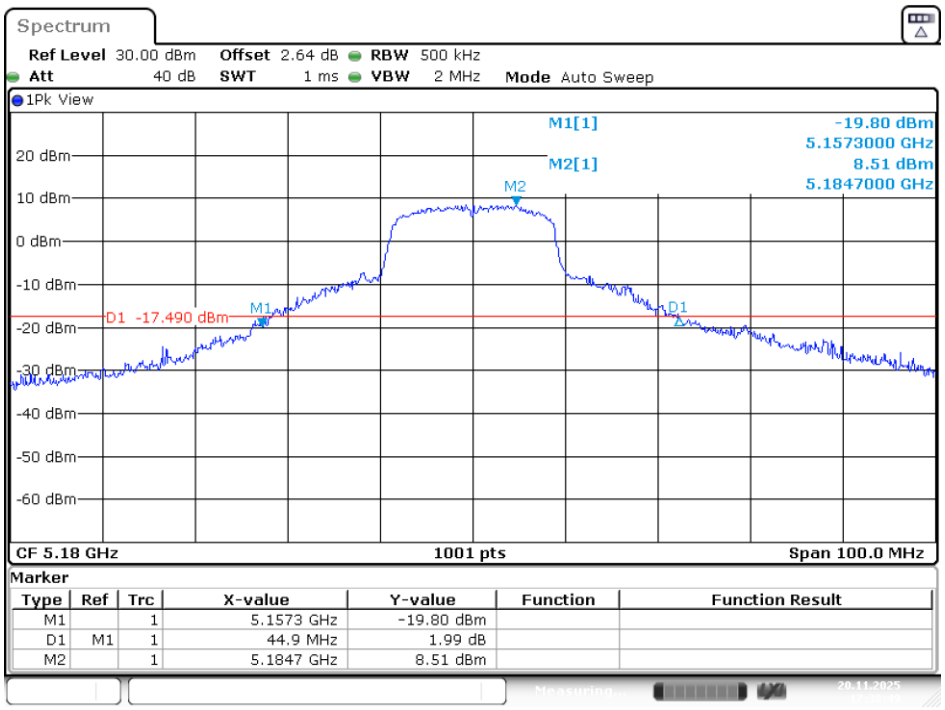
5240MHz



Date: 20.NOV.2025 11:58:32

802.11 n20 Mode / 5150 ~ 5250MHz

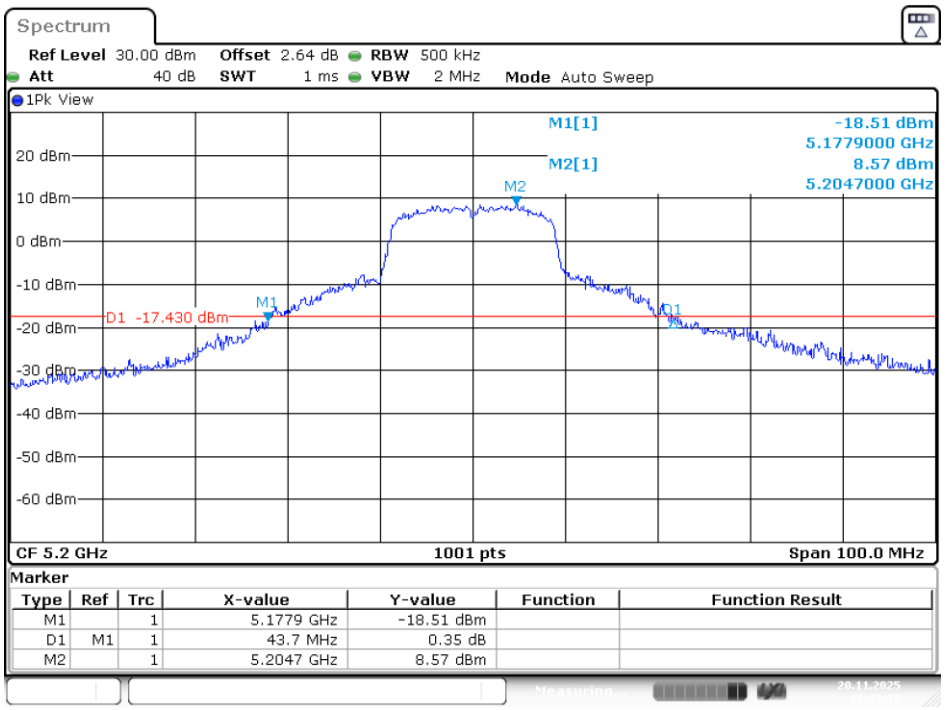
5180MHz



Date: 20.NOV.2025 17:38:49

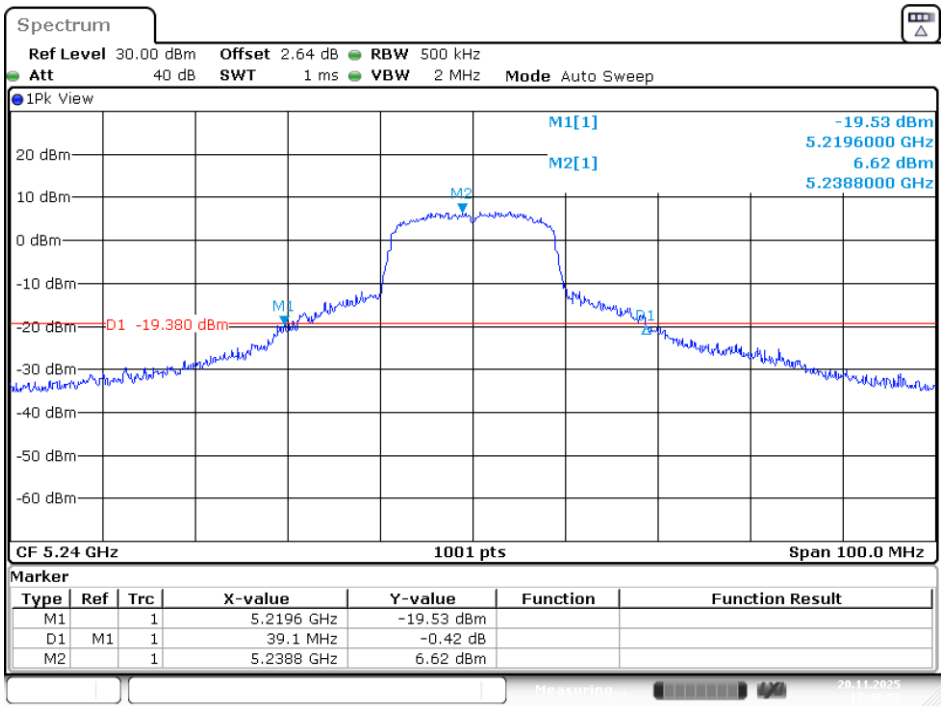
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5200MHz



Date: 20.NOV.2025 17:43:15

5240MHz

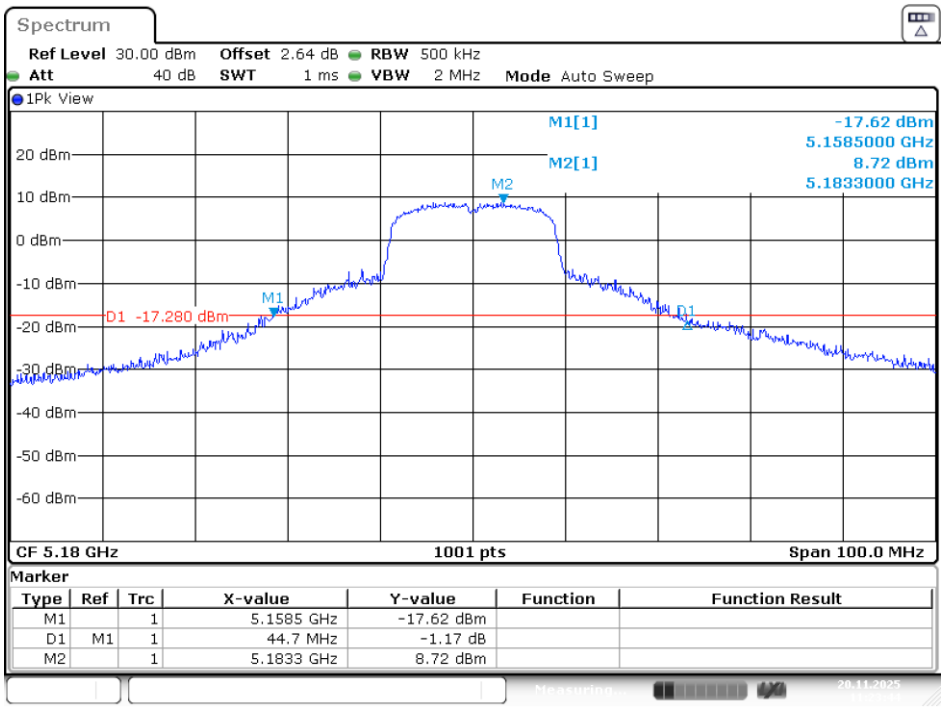


Date: 20.NOV.2025 17:48:52

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

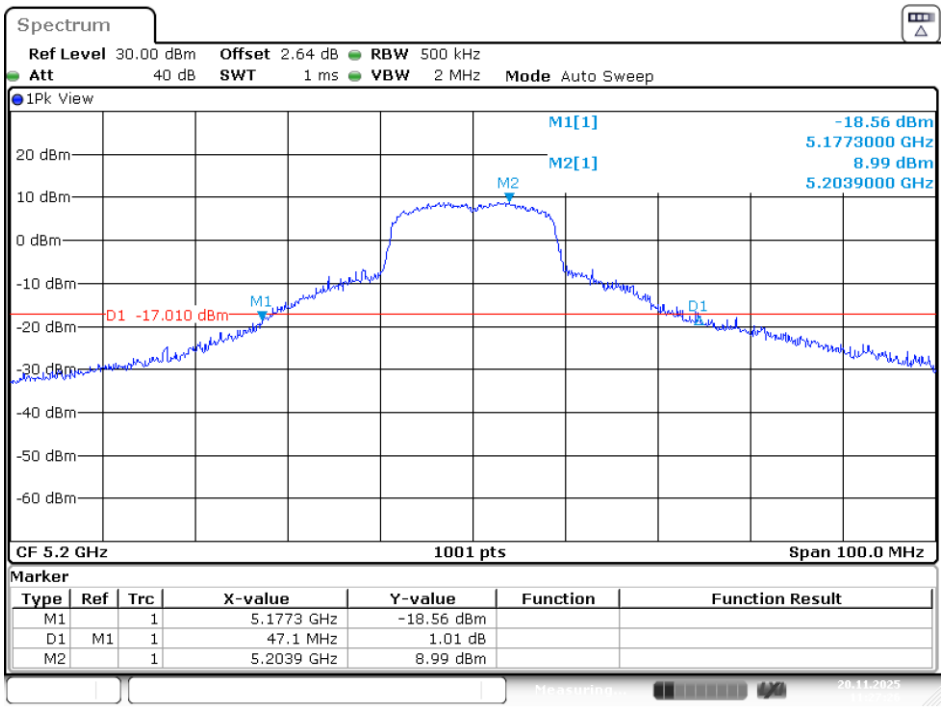
802.11 ac20 Mode / 5150 ~ 5250MHz

5180MHz



Date: 20.NOV.2025 11:23:44

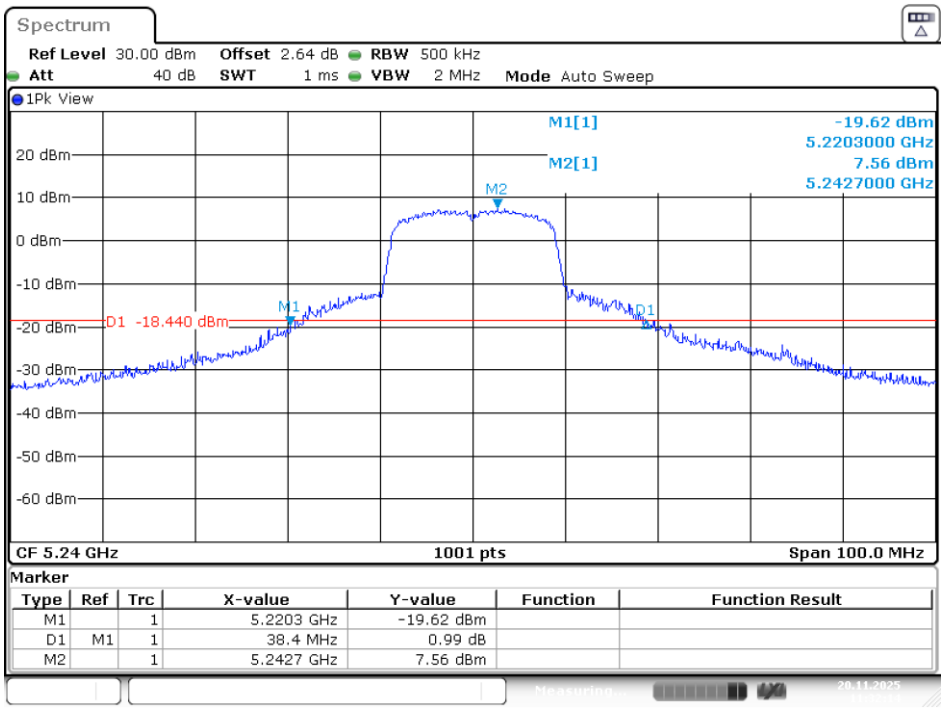
5200MHz



Date: 20.NOV.2025 11:27:26

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

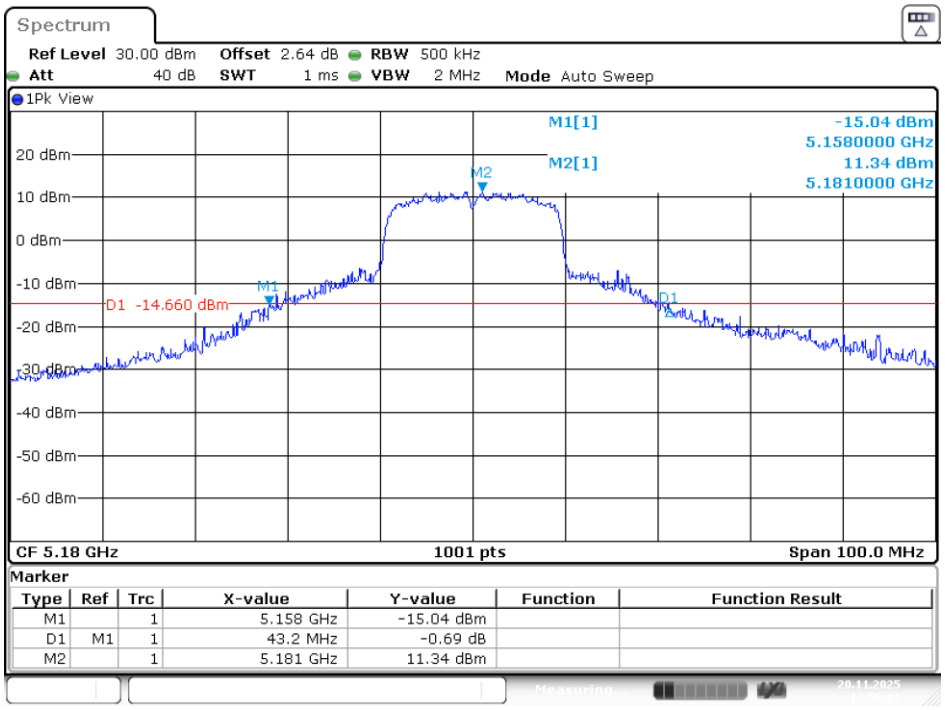
5240MHz



Date: 20.NOV.2025 11:32:14

802.11 ax20 Mode / 5150 ~ 5250MHz

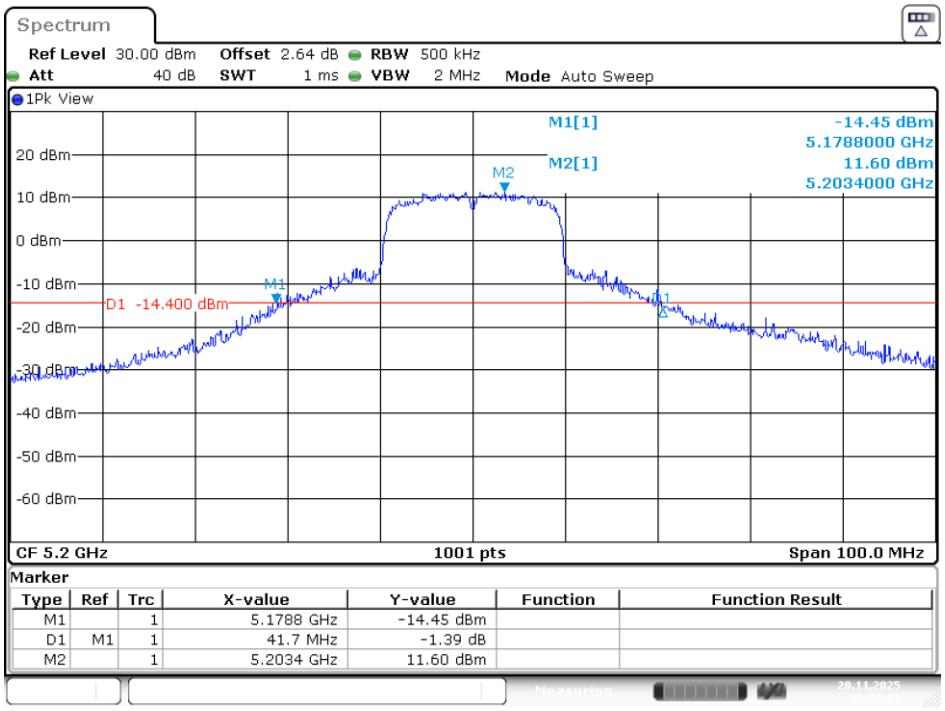
5180MHz



Date: 20.NOV.2025 12:50:02

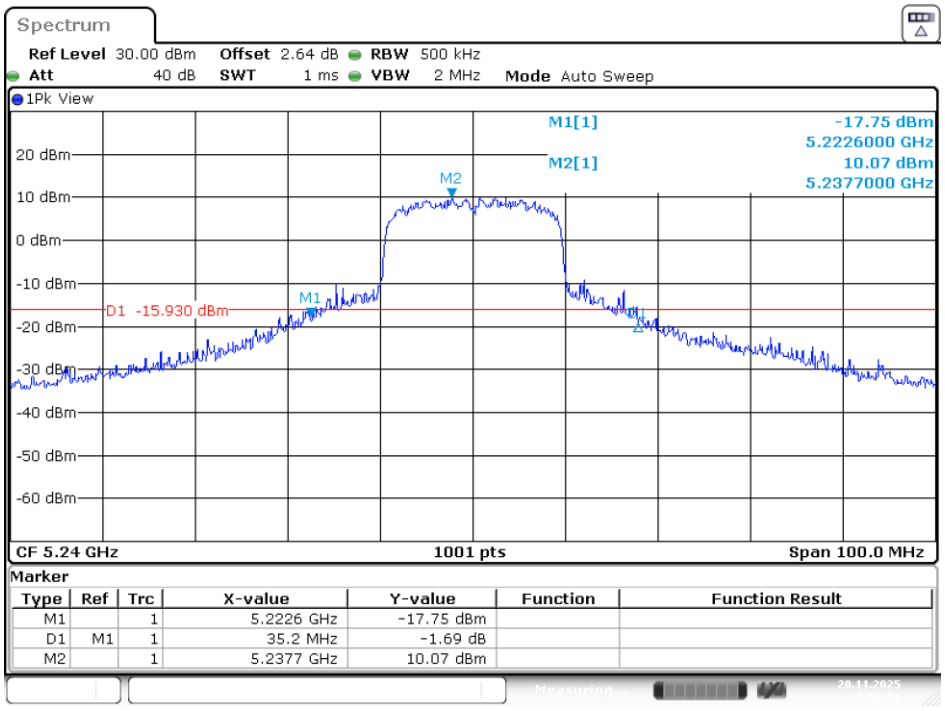
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5200MHz



Date: 20.NOV.2025 12:53:16

5240MHz



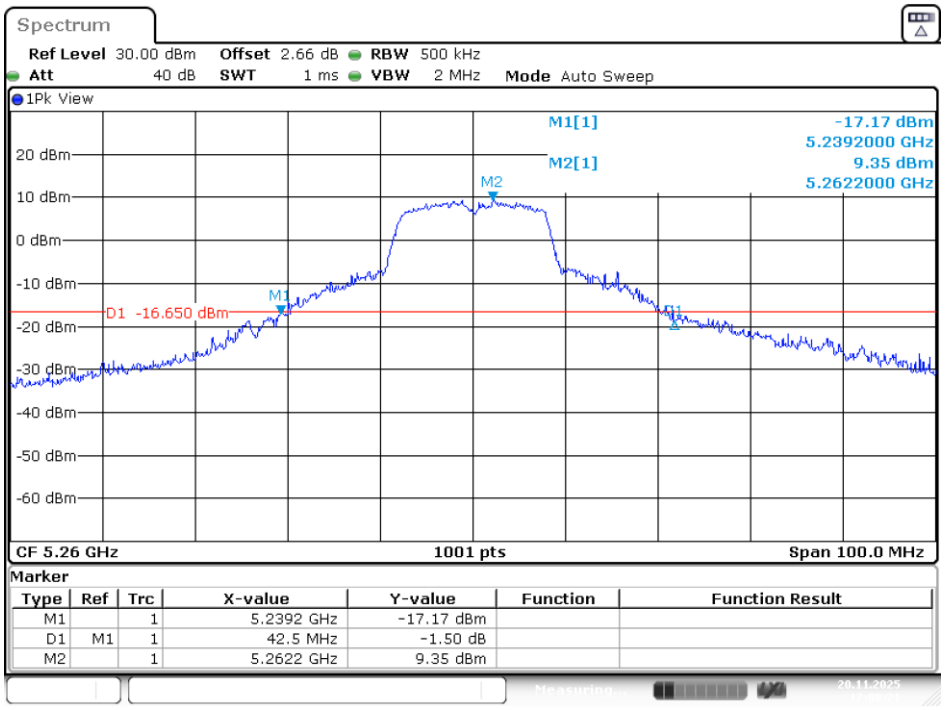
Date: 20.NOV.2025 12:56:59

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

UNII-2A Band II / BW 26dBc

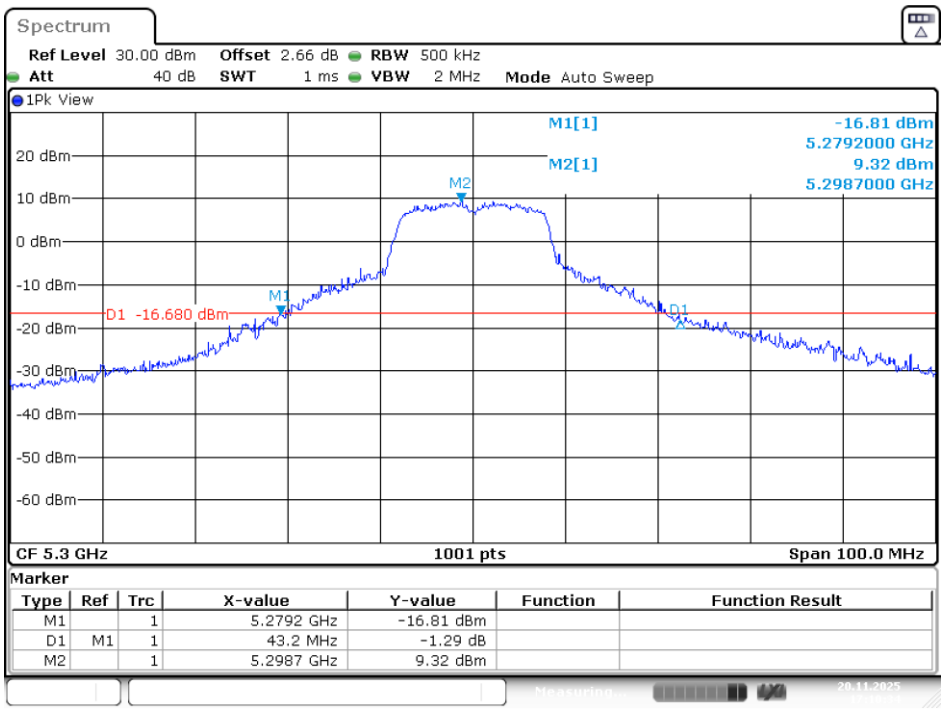
802.11a Mode / 5250 ~ 5350MHz

5260MHz



Date: 20.NOV.2025 17:08:22

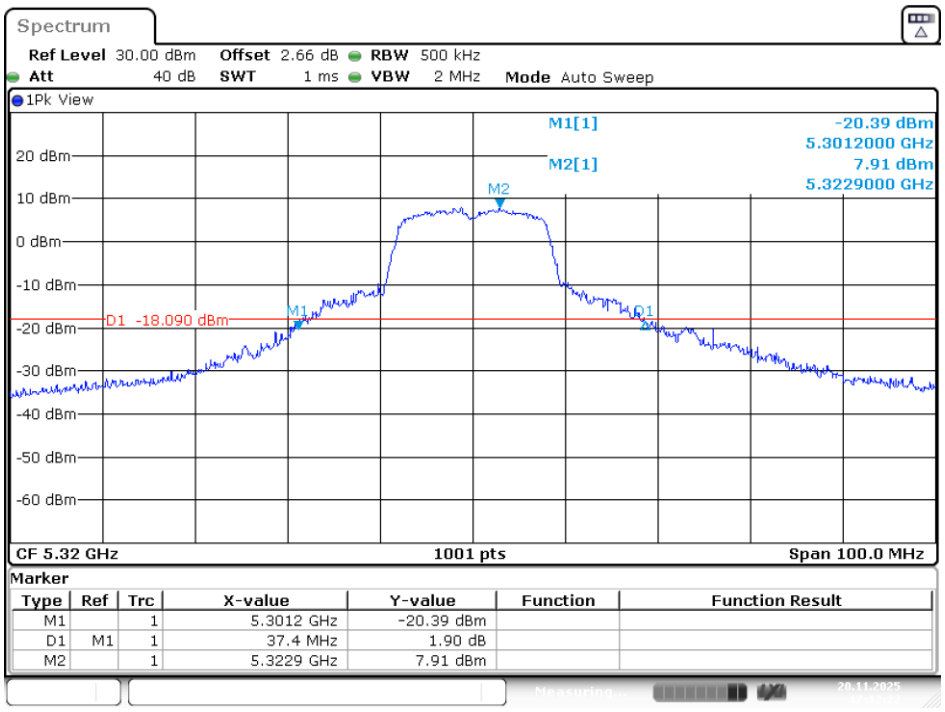
5300MHz



Date: 20.NOV.2025 17:10:35

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

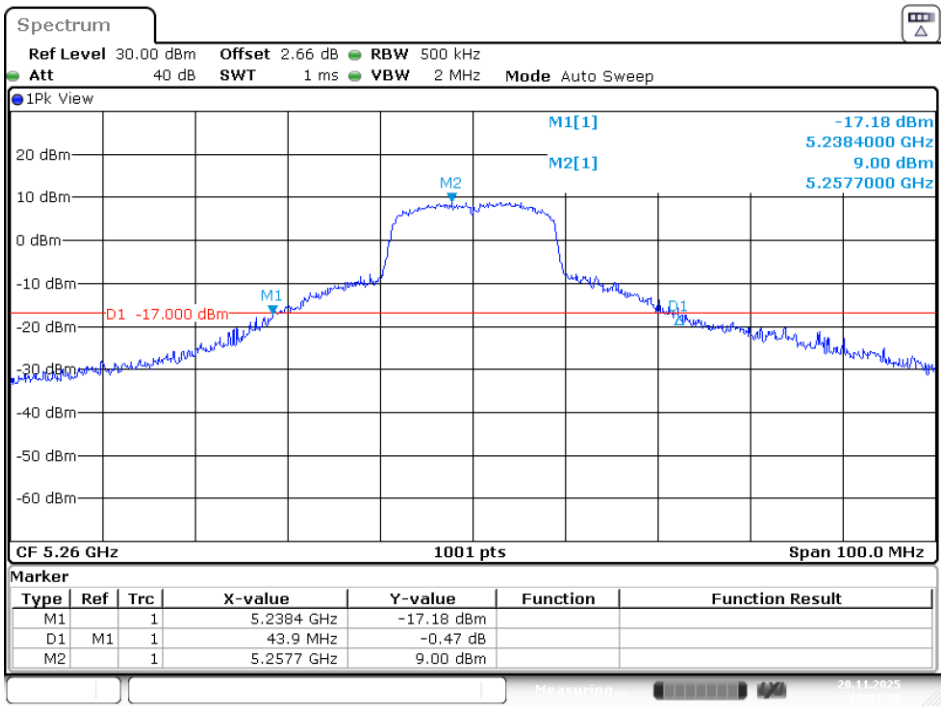
5320MHz



Date: 20.NOV.2025 17:12:23

802.11 n20 Mode / 5250 ~ 5350MHz

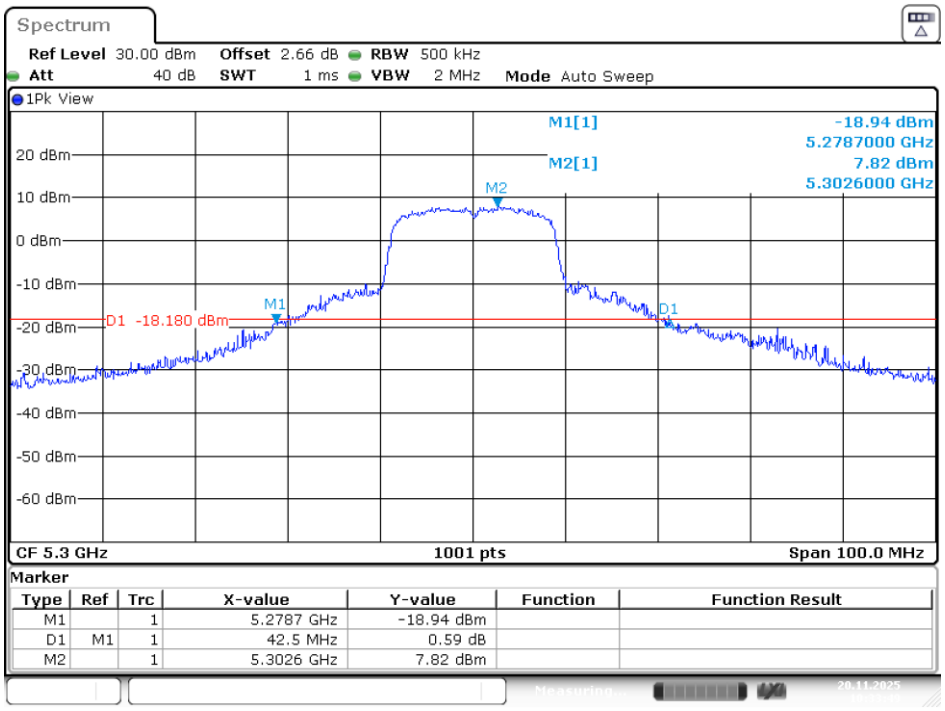
5260MHz



Date: 20.NOV.2025 10:31:09

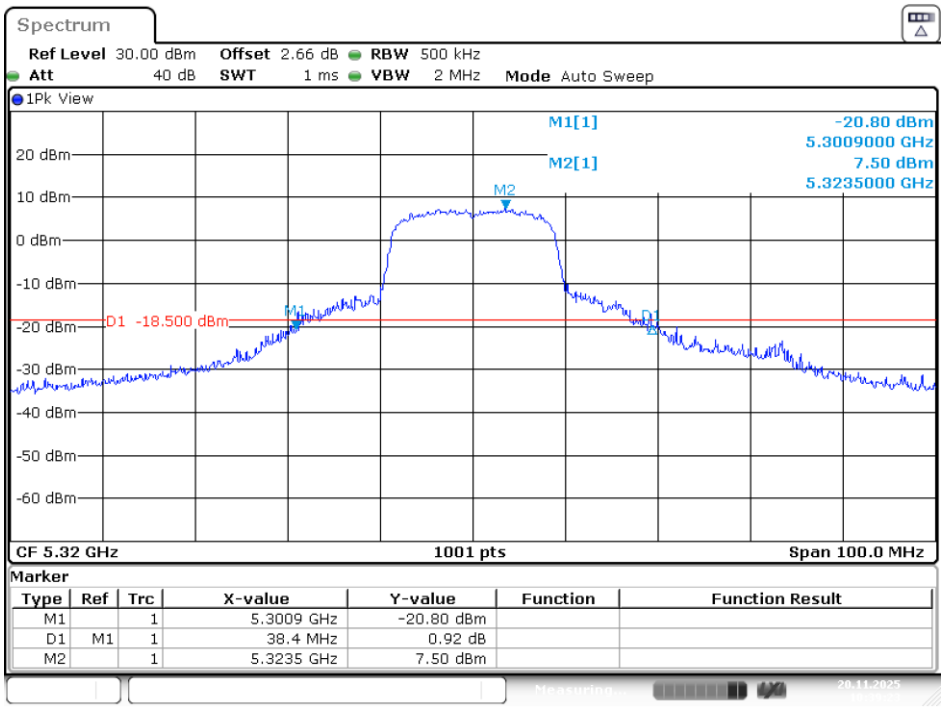
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5300MHz



Date: 20.NOV.2025 10:33:49

5320MHz

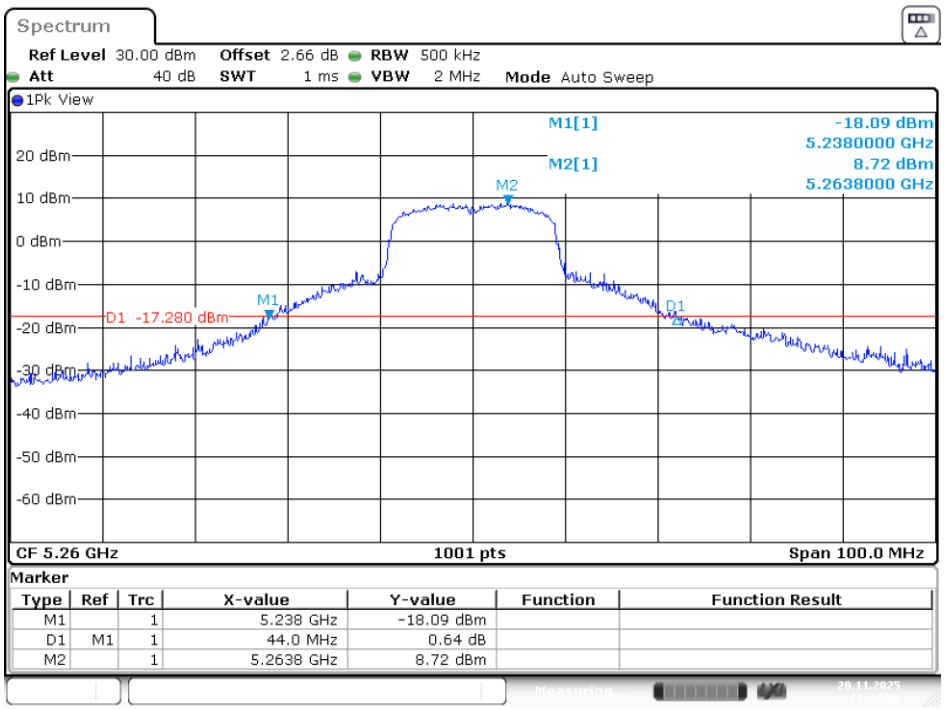


Date: 20.NOV.2025 10:39:22

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

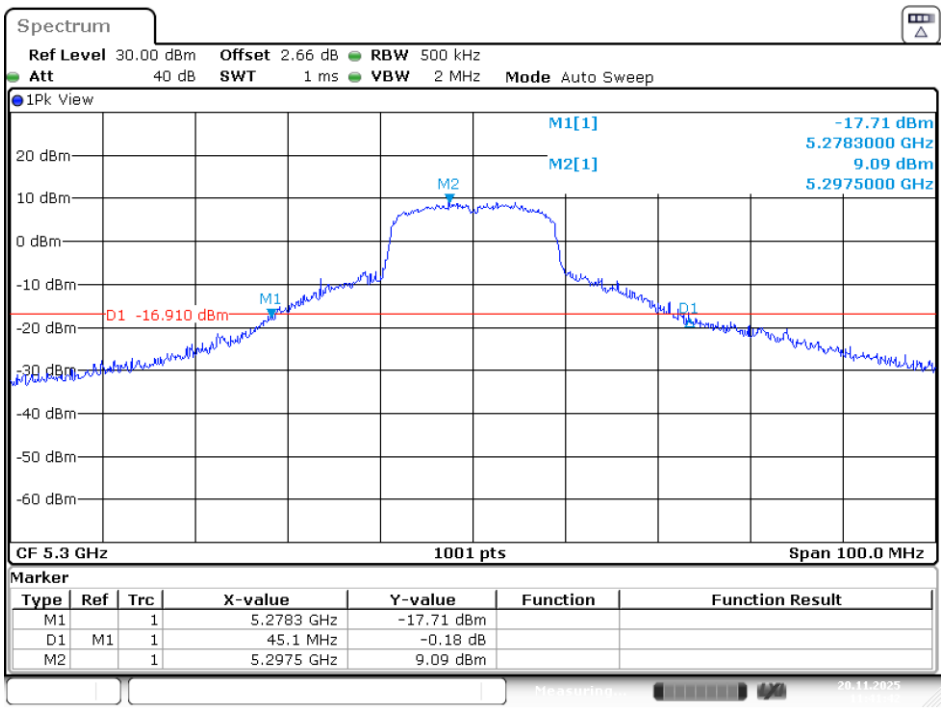
802.11 ac20 Mode / 5250 ~ 5350MHz

5260MHz



Date: 20.NOV.2025 11:37:59

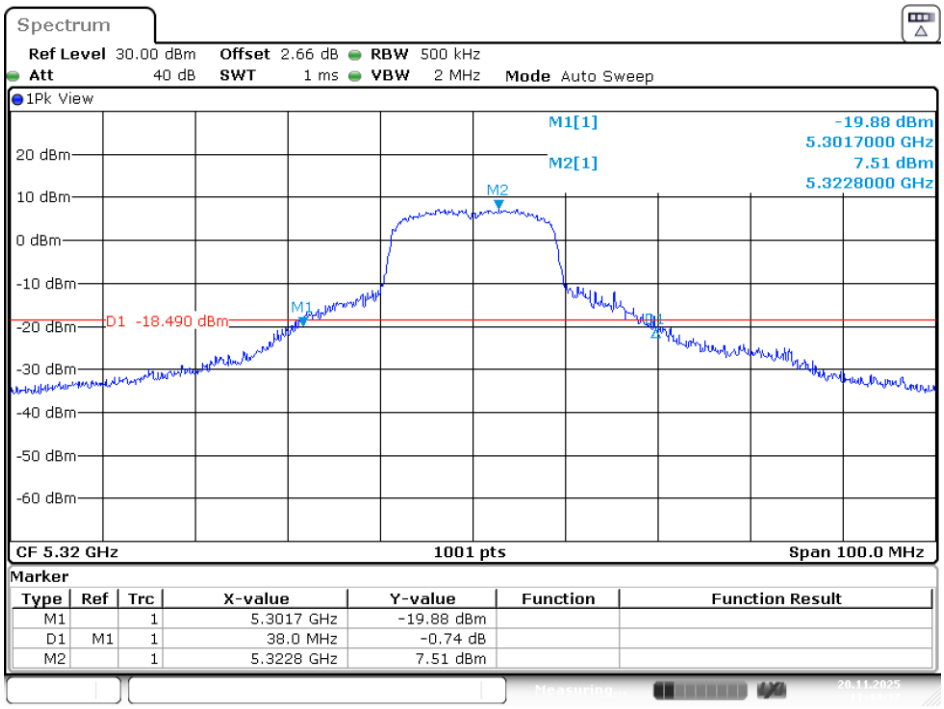
5300MHz



Date: 20.NOV.2025 11:41:43

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

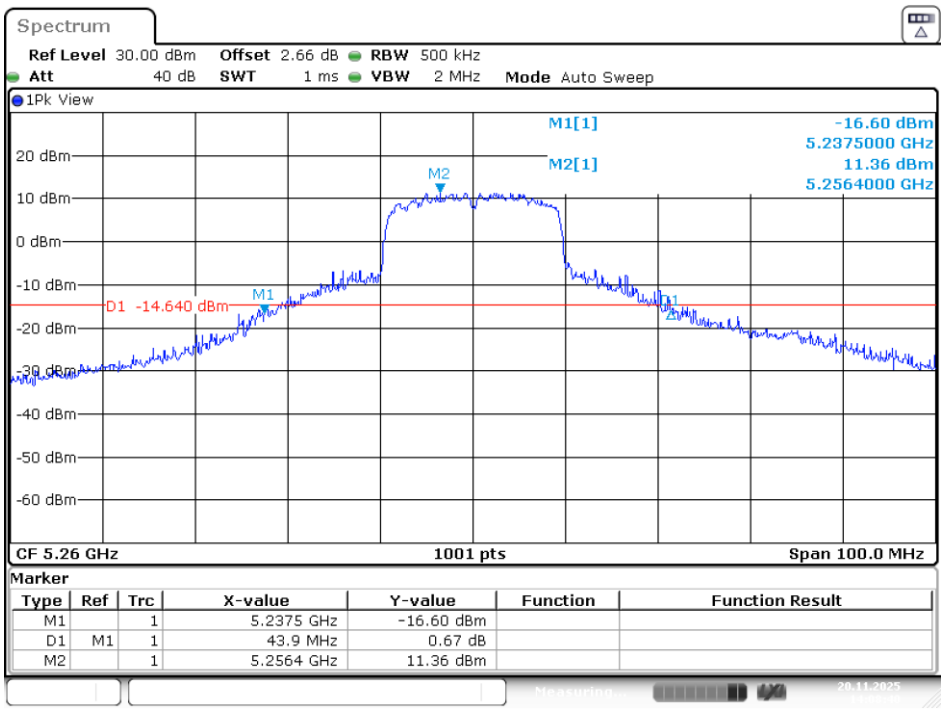
5320MHz



Date: 20.NOV.2025 11:44:36

802.11 ax20 Mode / 5250 ~ 5350MHz

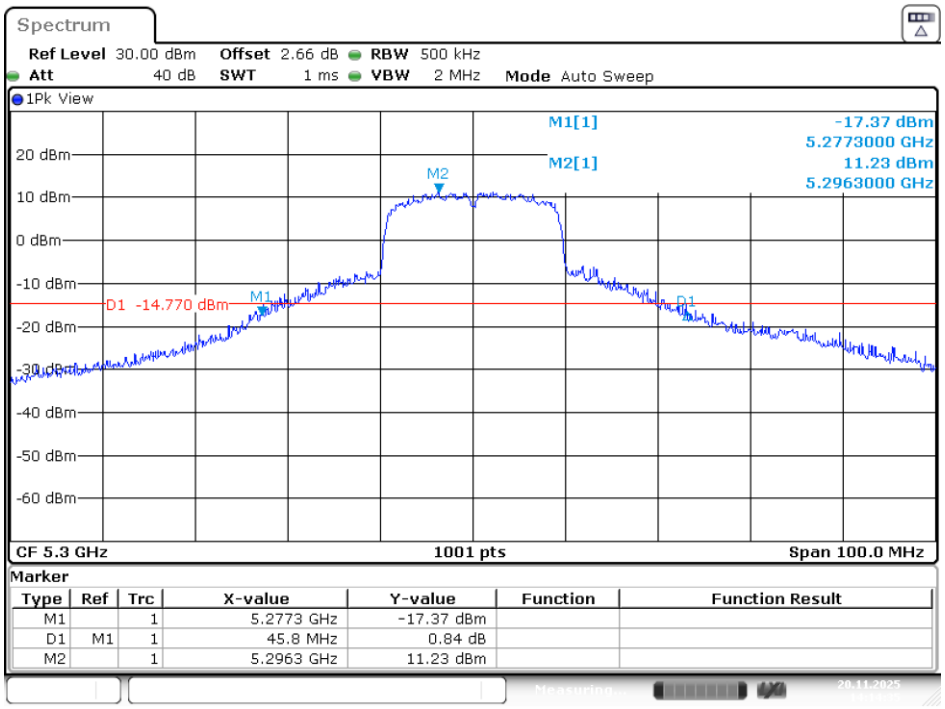
5260MHz



Date: 20.NOV.2025 14:08:40

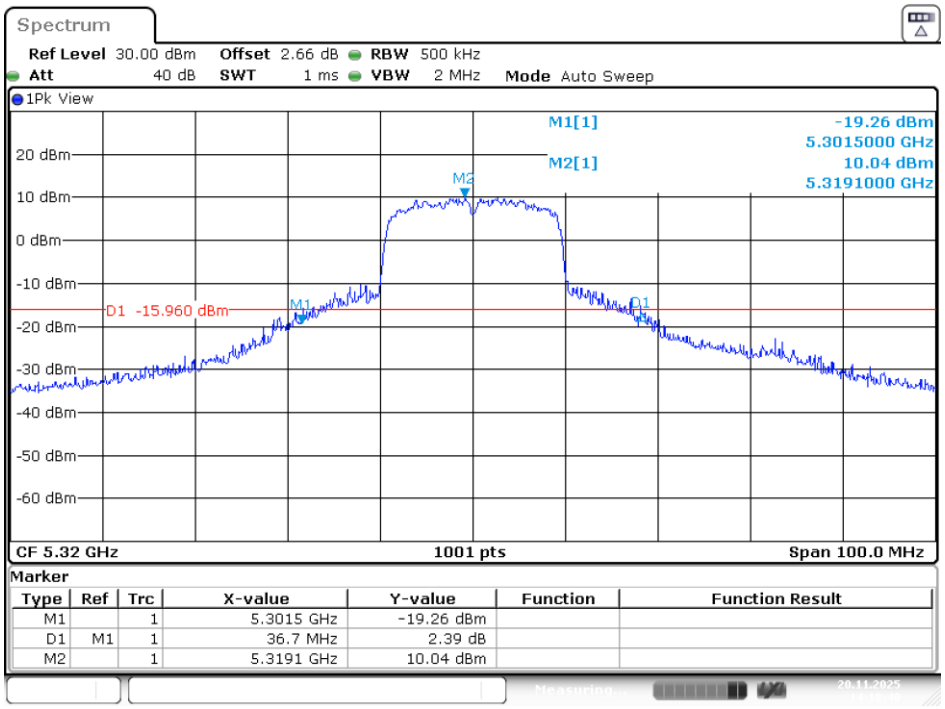
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5300MHz



Date: 20.NOV.2025 14:14:35

5320MHz



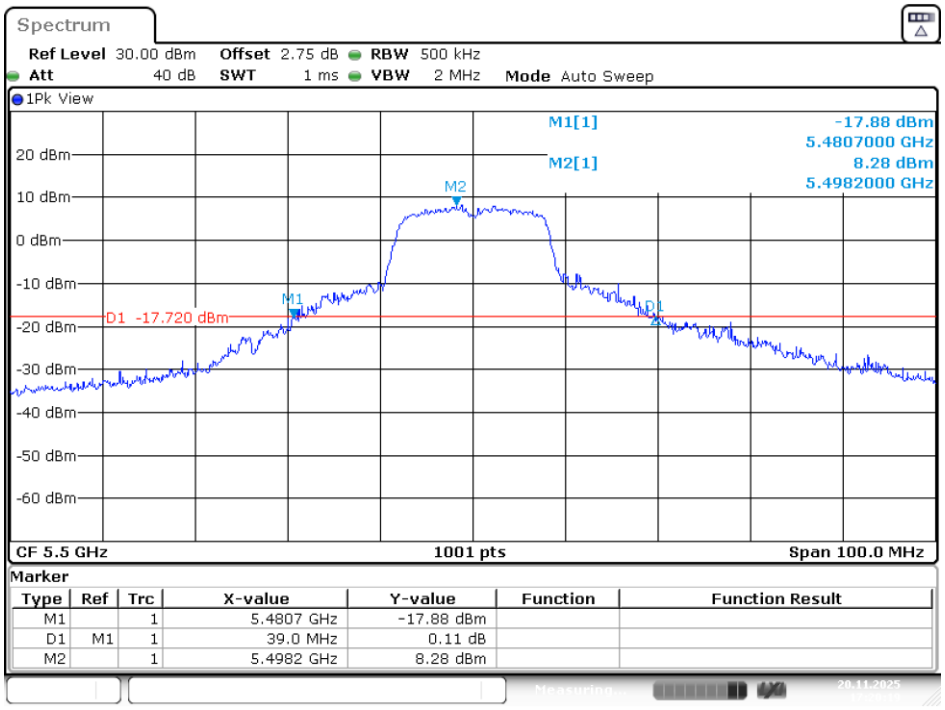
Date: 20.NOV.2025 14:18:40

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

UNII-2C Band III / BW 26dBc

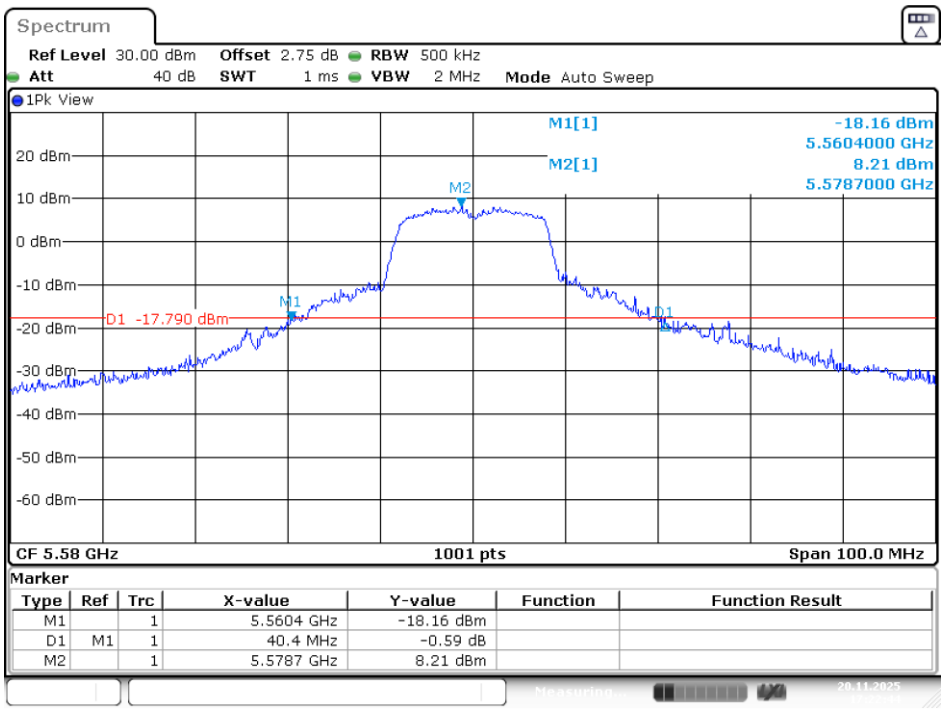
802.11a Mode / 5470 ~ 5725MHz

5500MHz



Date: 20.NOV.2025 17:20:20

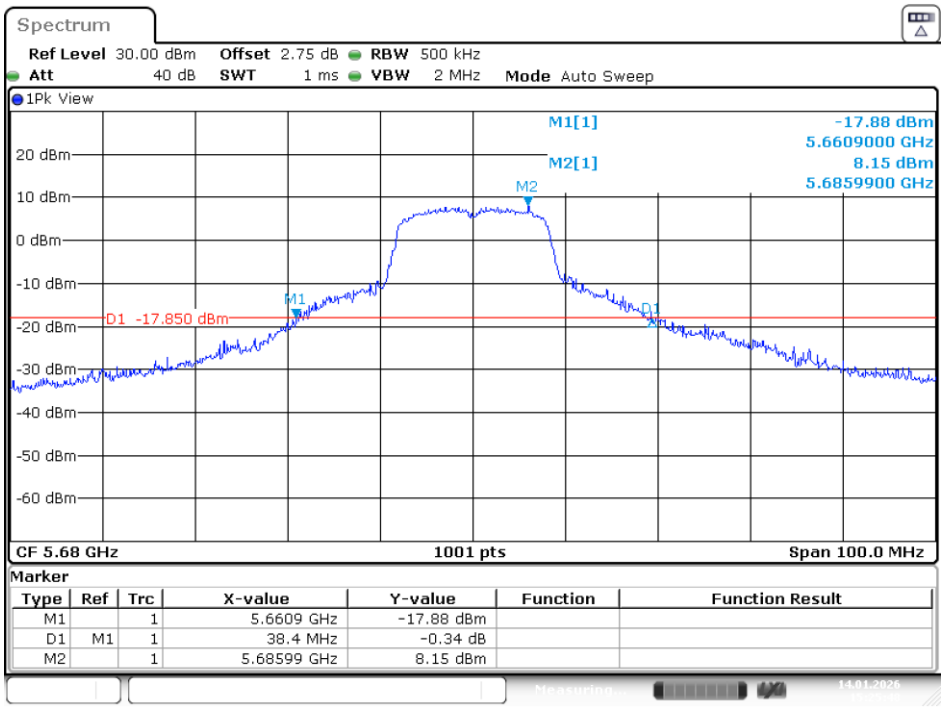
5580MHz



Date: 20.NOV.2025 17:22:45

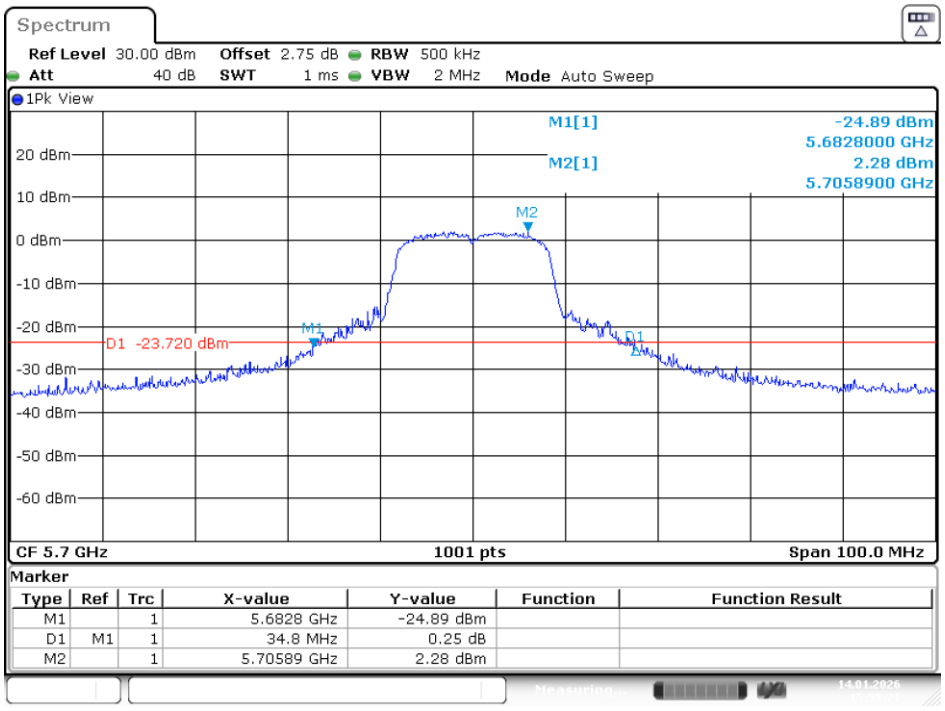
5680MHz

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)



Date: 14.JAN.2026 15:25:49

5700MHz

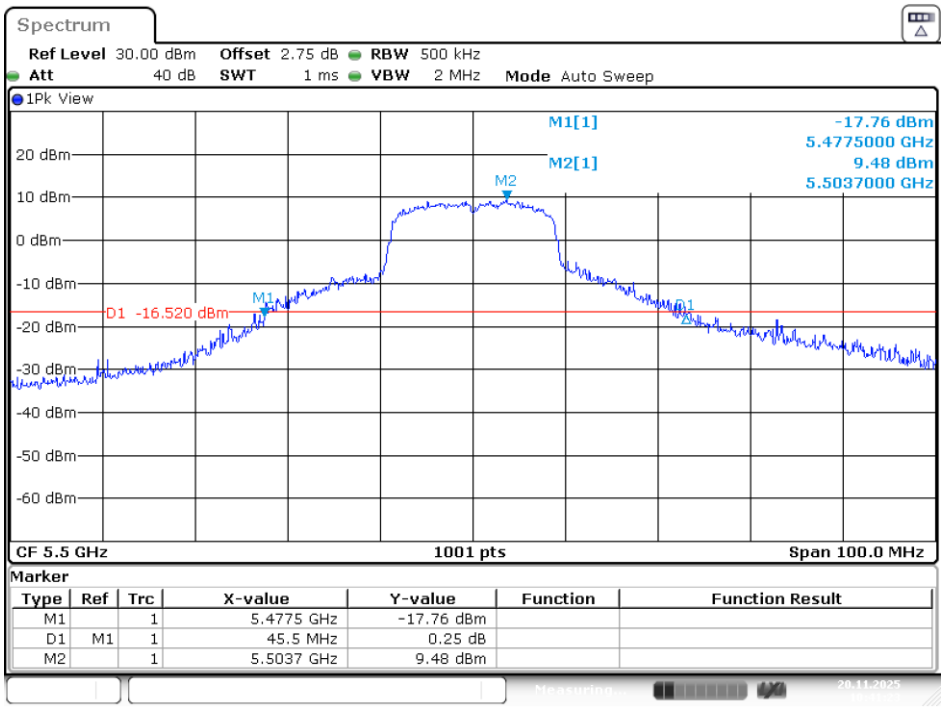


Date: 14.JAN.2026 15:55:21

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

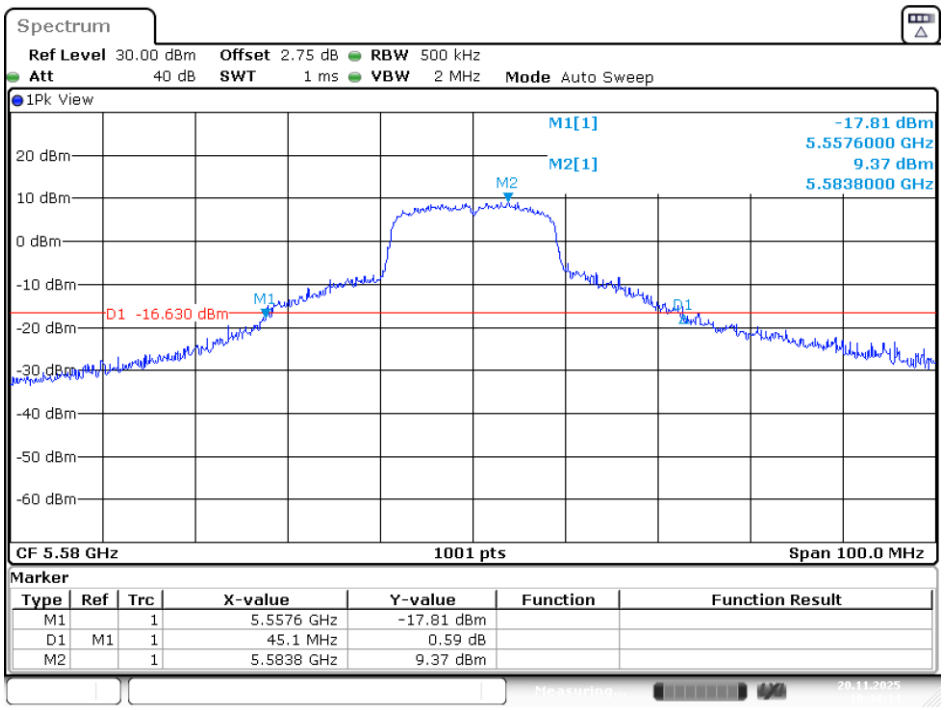
802.11 n20 Mode / 5470 ~ 5725MHz

5500MHz



Date: 20.NOV.2025 10:41:23

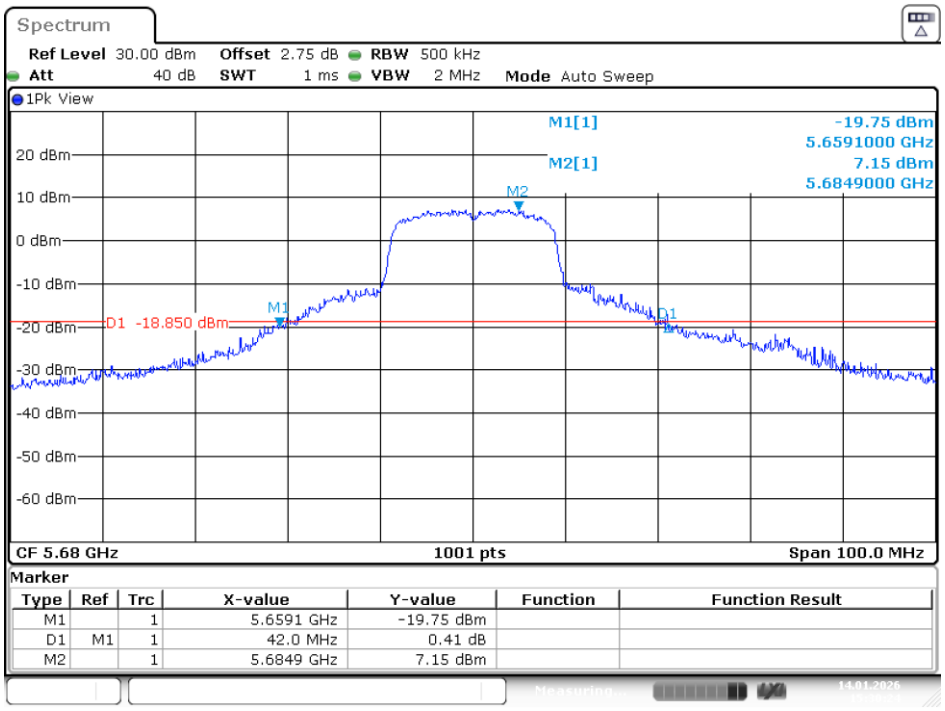
5580MHz



Date: 20.NOV.2025 10:44:34

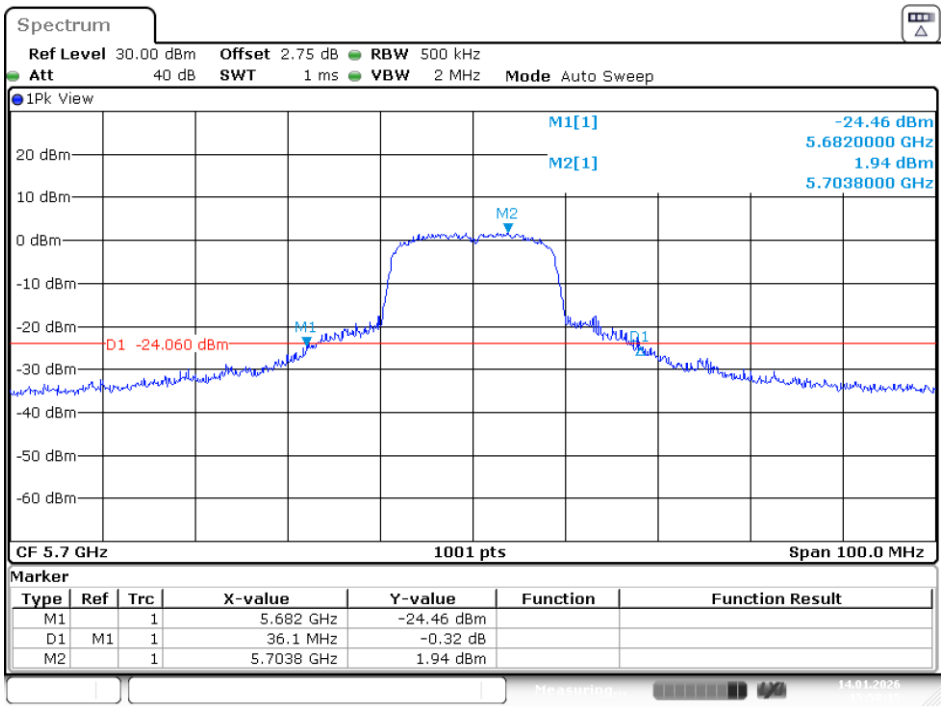
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5680MHz



Date: 14.JAN.2026 15:30:25

5700MHz

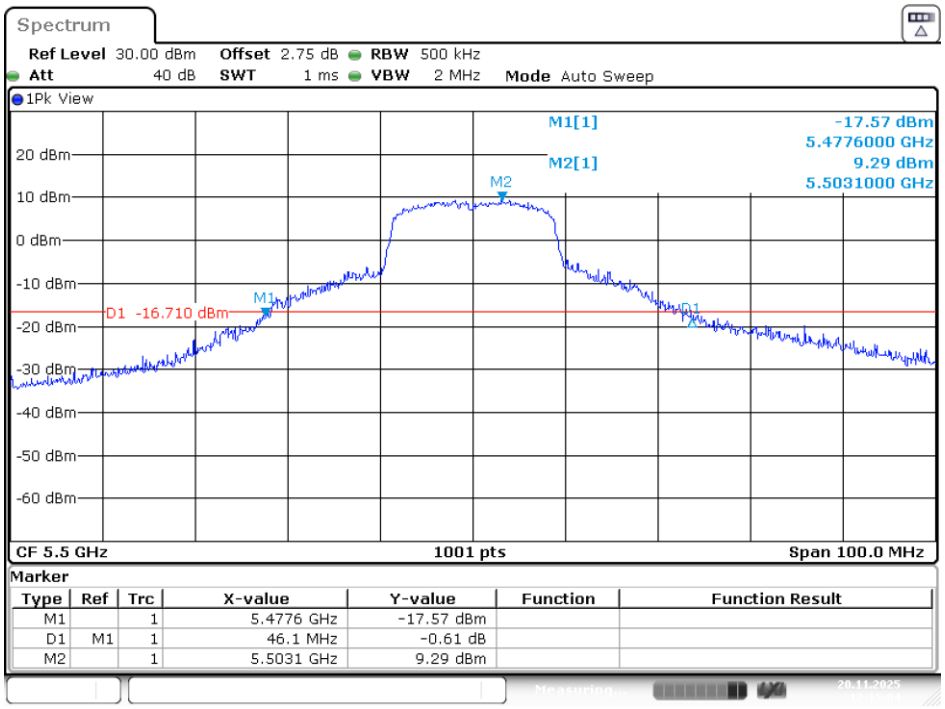


Date: 14.JAN.2026 15:58:15

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

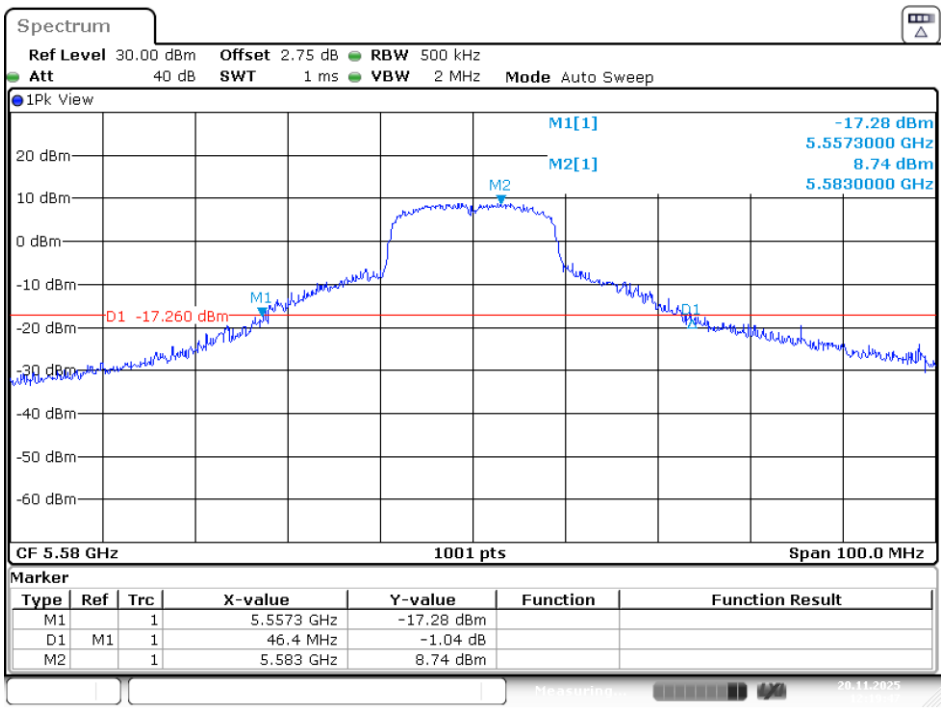
802.11 ac20 Mode / 5470 ~ 5725MHz

5500MHz



Date: 20.NOV.2025 12:15:04

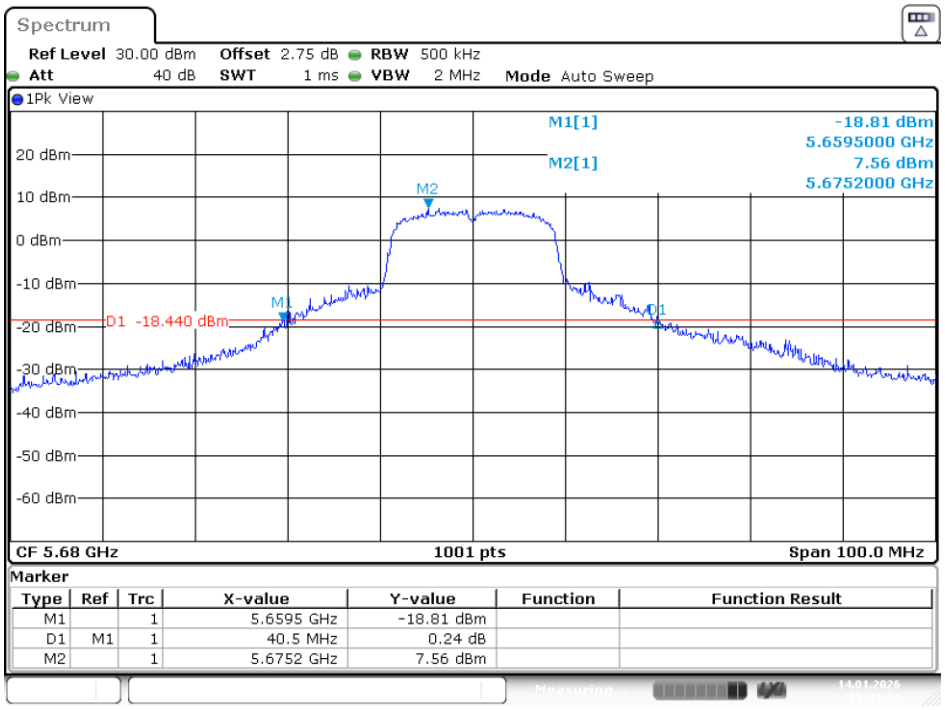
5580MHz



Date: 20.NOV.2025 12:19:47

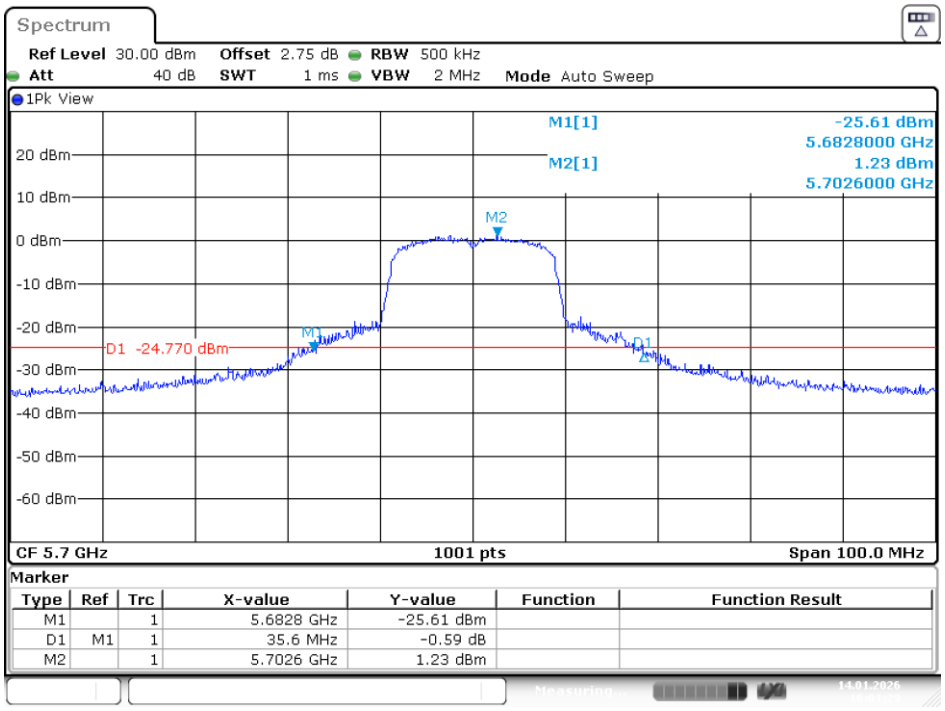
5680MHz

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)



Date: 14.JAN.2026 15:33:25

5700MHz

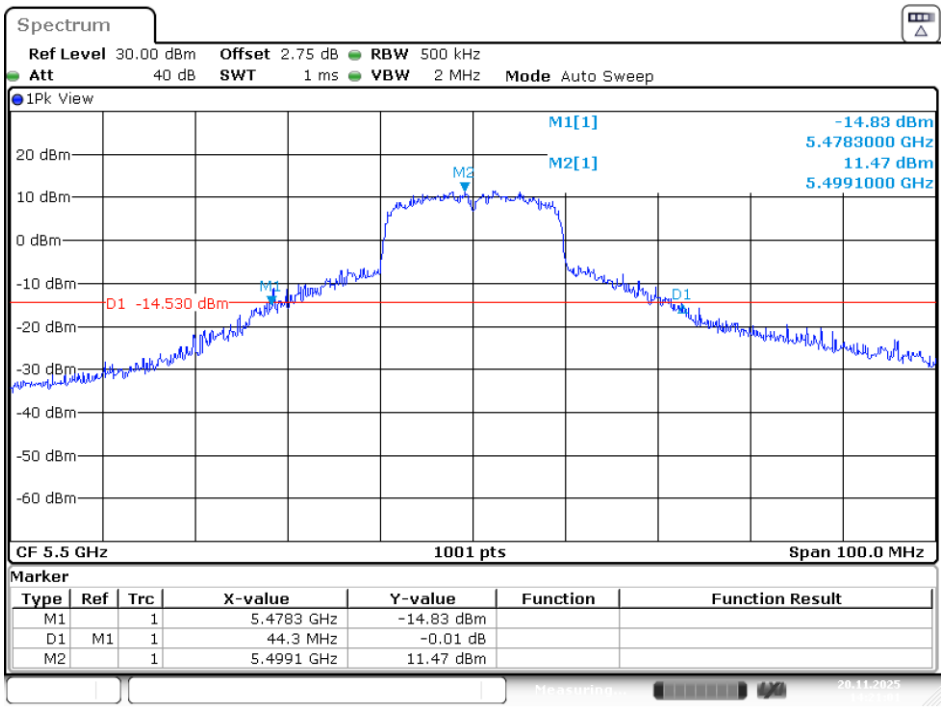


Date: 14.JAN.2026 16:01:30

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

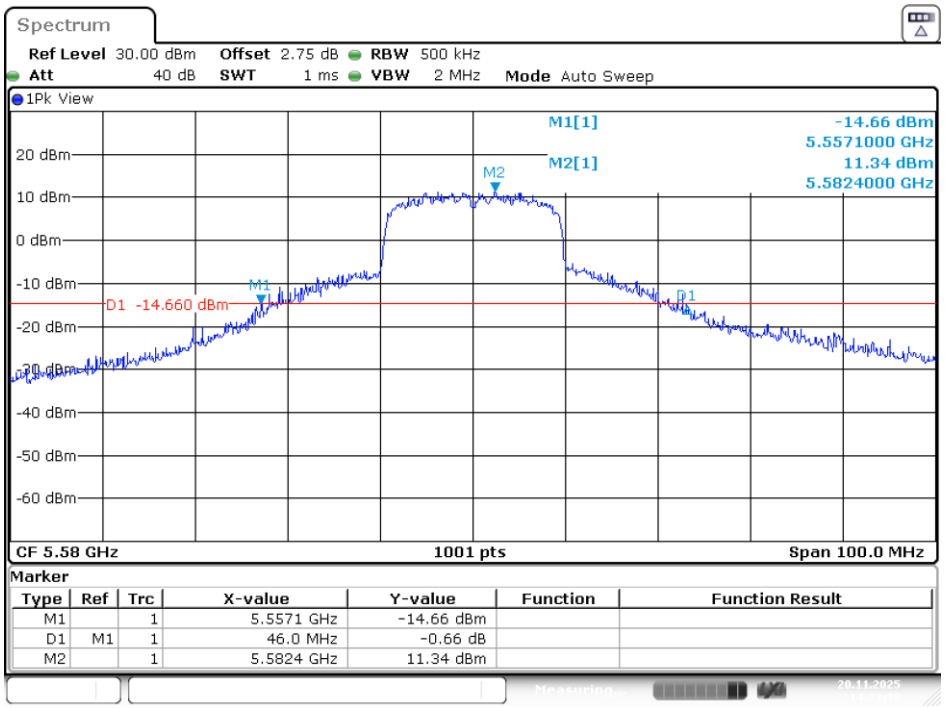
802.11 ax20 Mode / 5470 ~ 5725MHz

5500MHz



Date: 20.NOV.2025 14:21:00

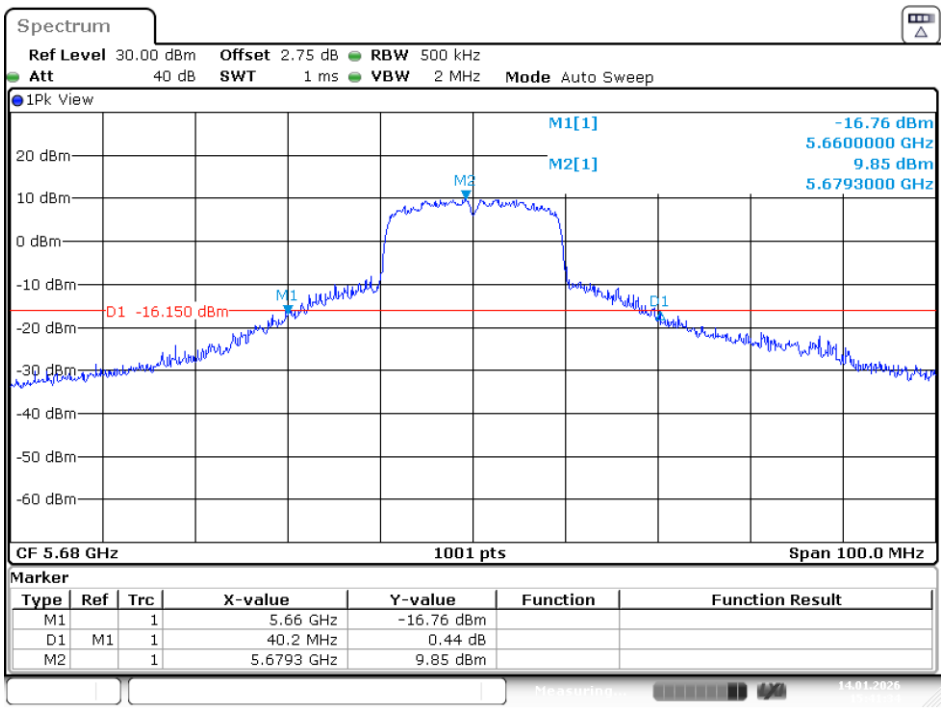
5580MHz



Date: 20.NOV.2025 14:23:38

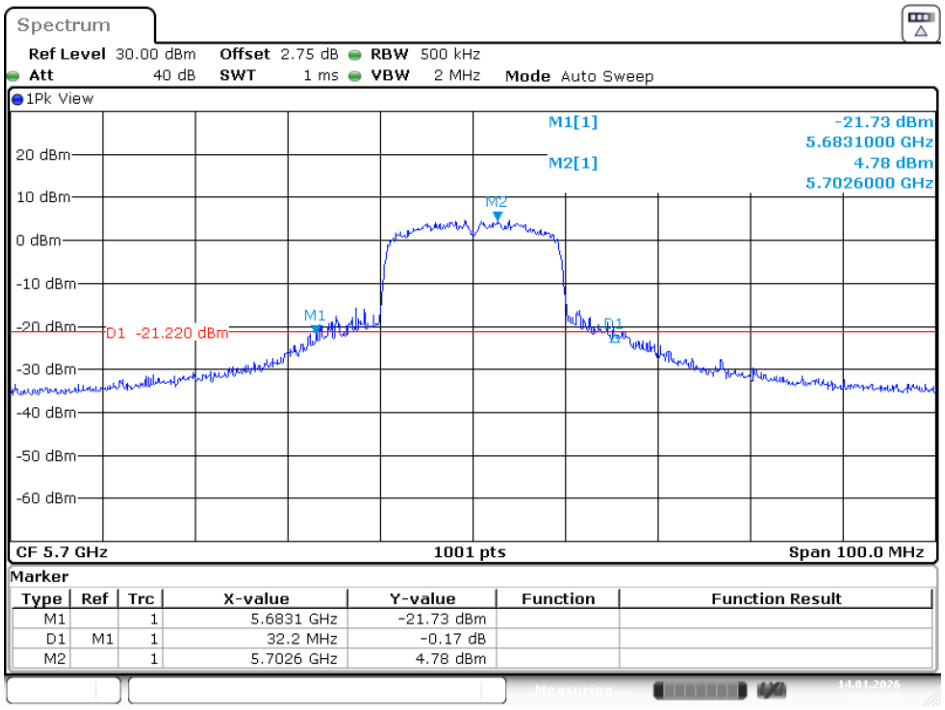
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5680MHz



Date: 14.JAN.2026 15:41:35

5700MHz



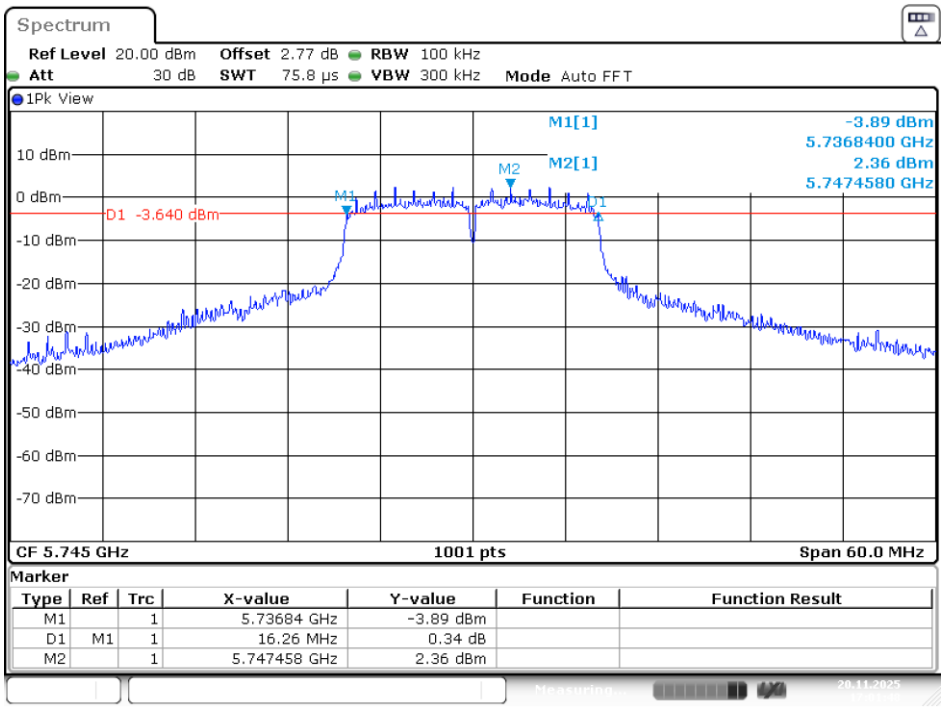
Date: 14.JAN.2026 16:06:28

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

UNII-3 Band IV / BW 6dBc

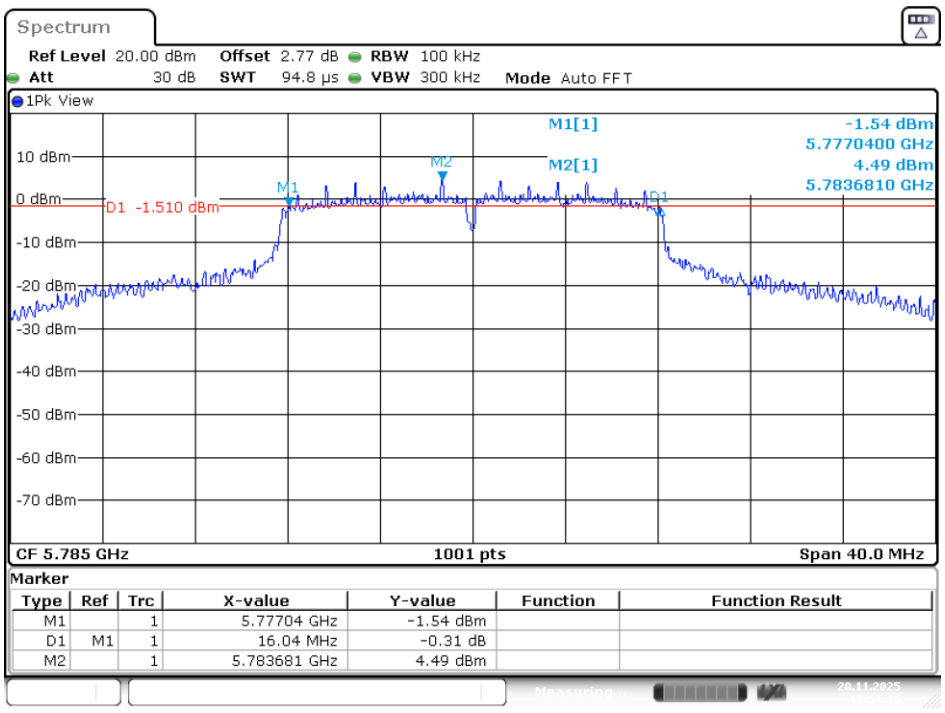
802.11a Mode / 5725 ~ 5850MHz

5745MHz



Date: 20.NOV.2025 17:01:48

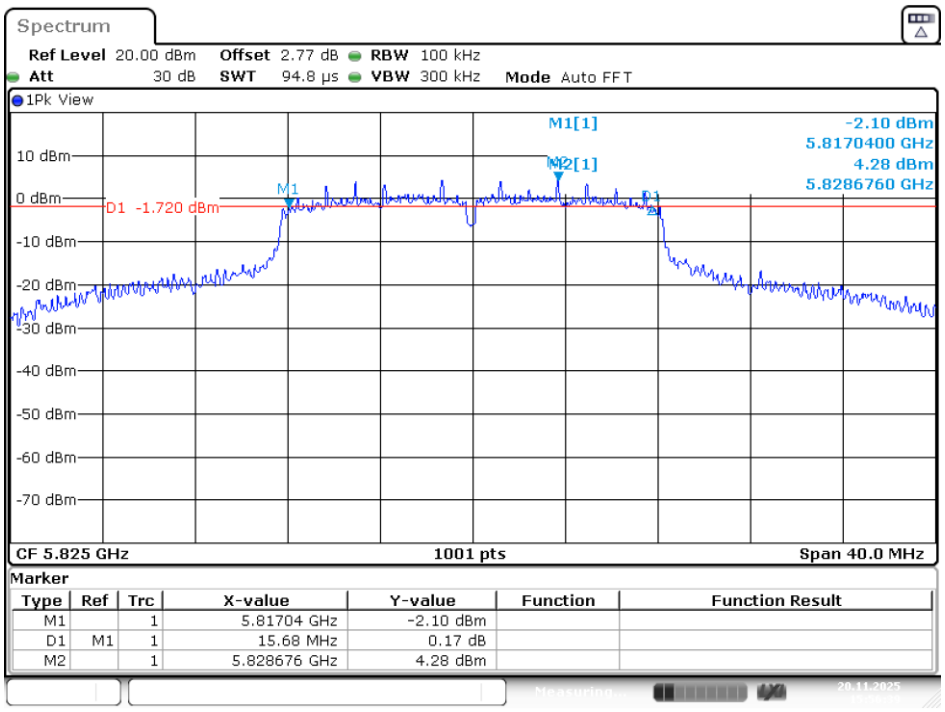
5785MHz



Date: 20.NOV.2025 15:54:26

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

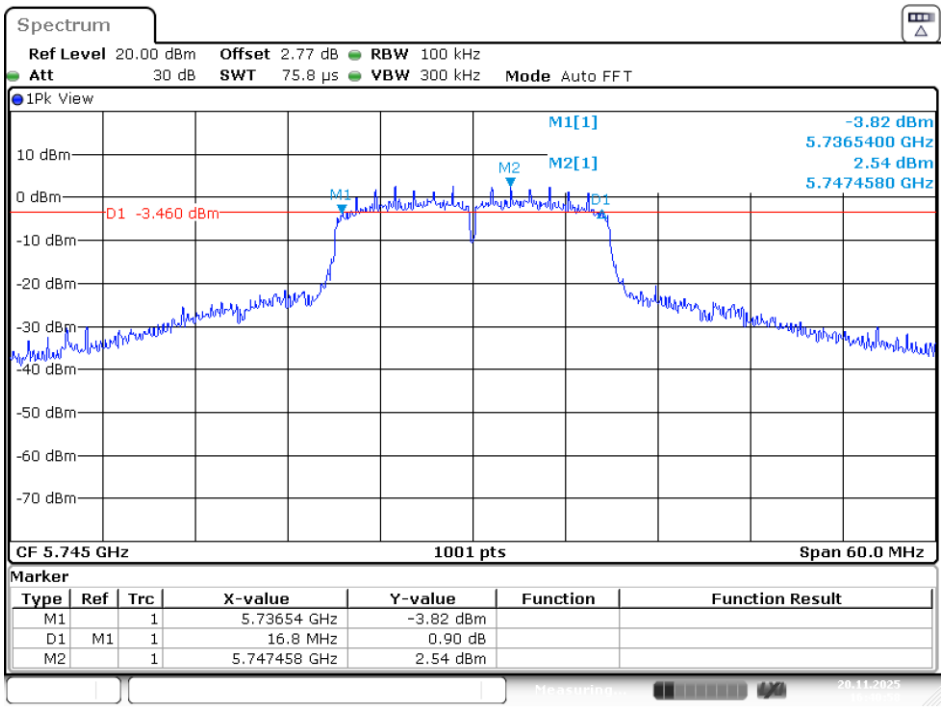
5825MHz



Date: 20.NOV.2025 15:56:39

802.11 n20 Mode / 5725 ~ 5850MHz

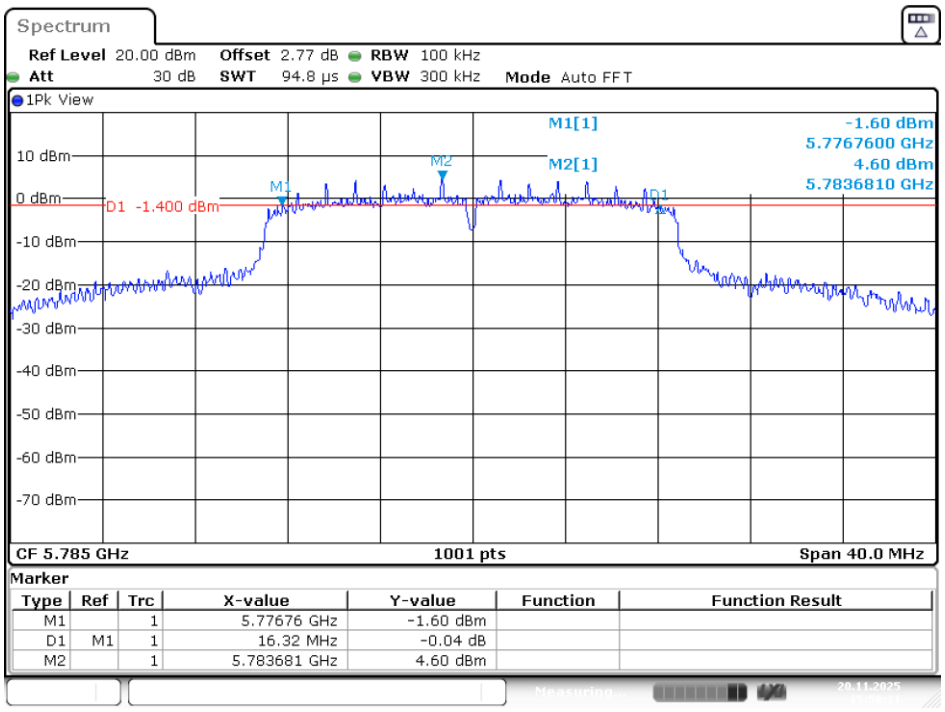
5745MHz



Date: 20.NOV.2025 16:40:58

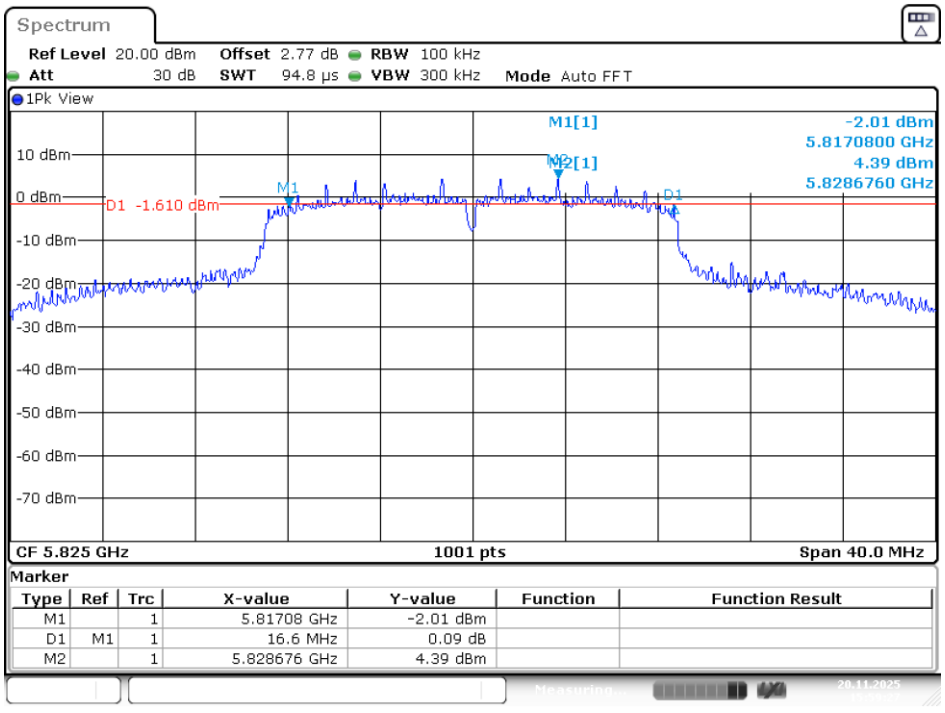
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5785MHz



Date: 20.NOV.2025 15:50:12

5825MHz

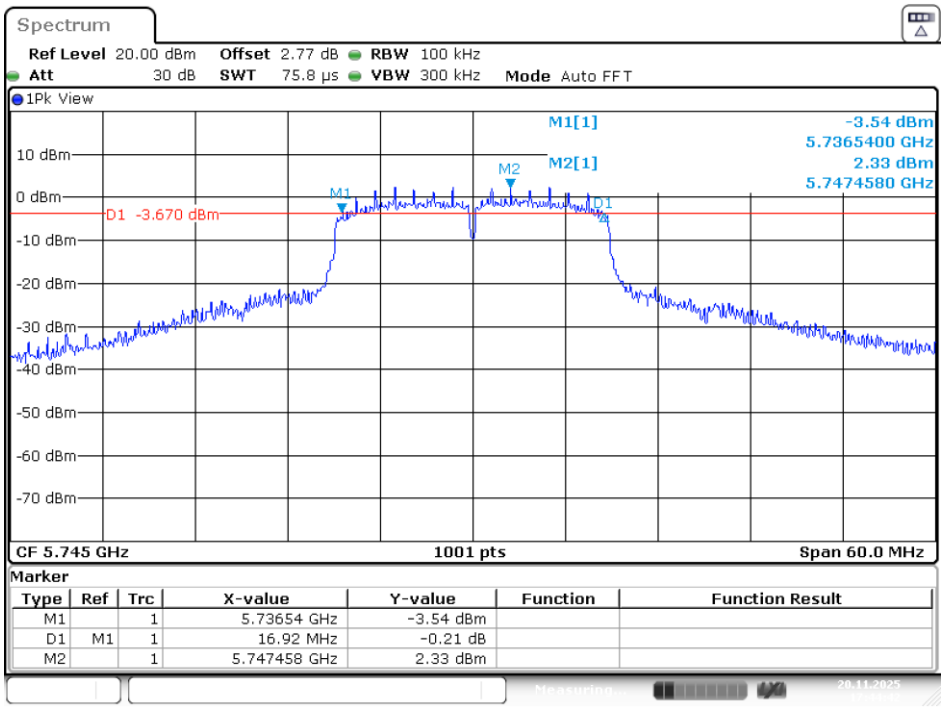


Date: 20.NOV.2025 15:59:28

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

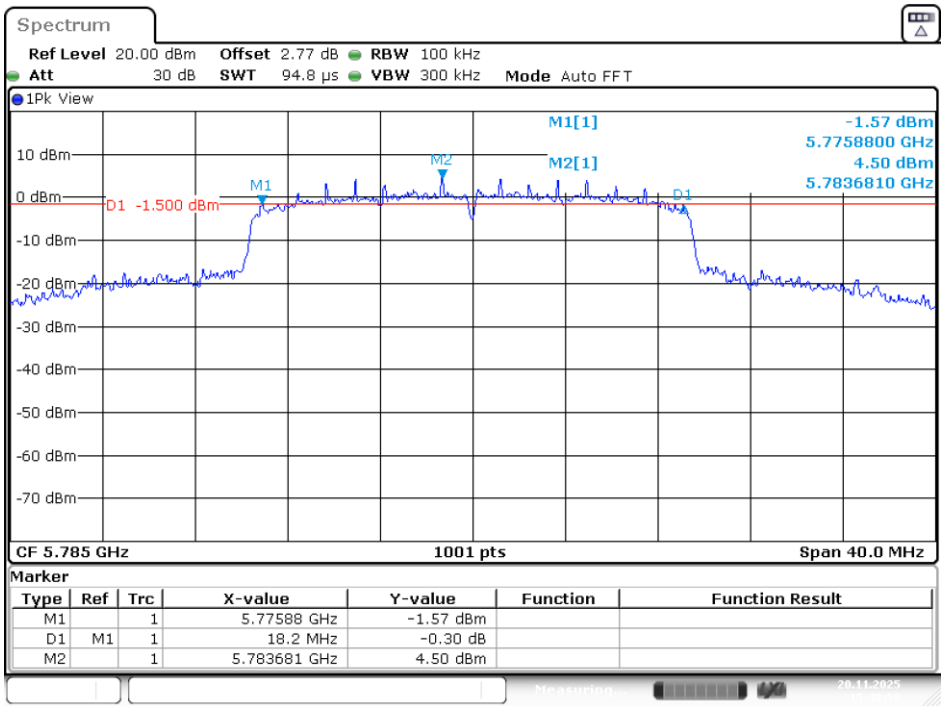
802.11 ac20 Mode / 5725 ~ 5850MHz

5745MHz



Date: 20.NOV.2025 17:44:43

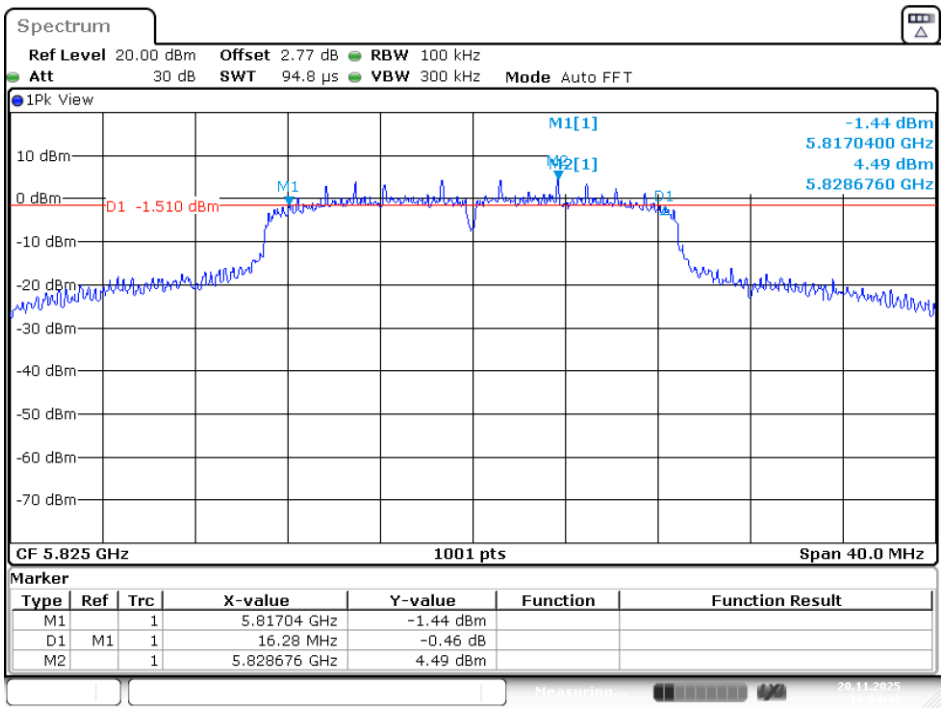
5785MHz



Date: 20.NOV.2025 15:48:50

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

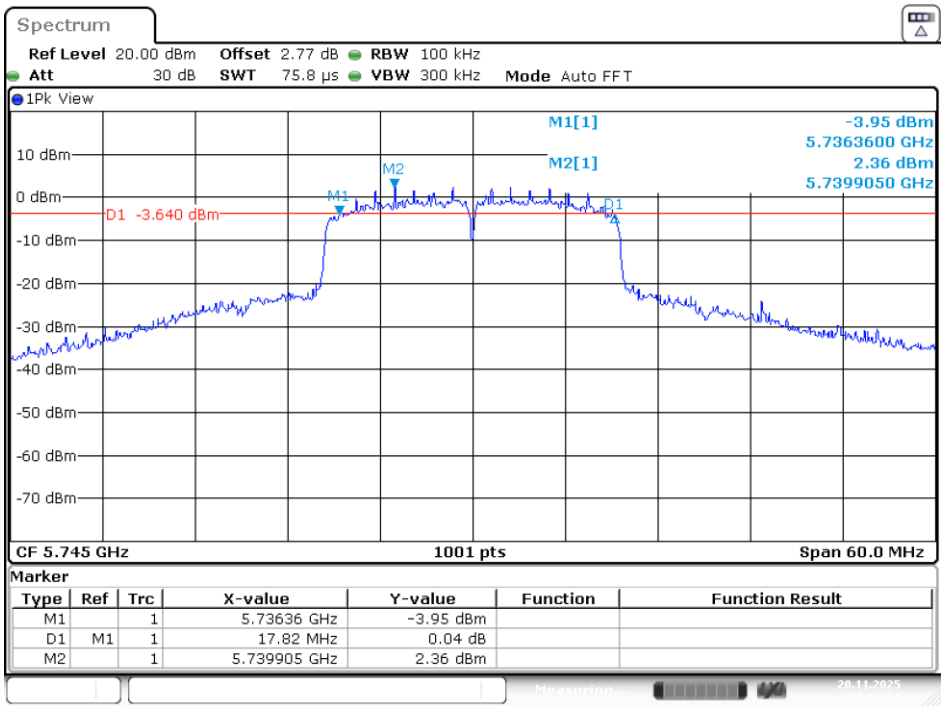
5825MHz



Date: 20.NOV.2025 16:04:40

802.11 ax20 Mode / 5725 ~ 5850MHz

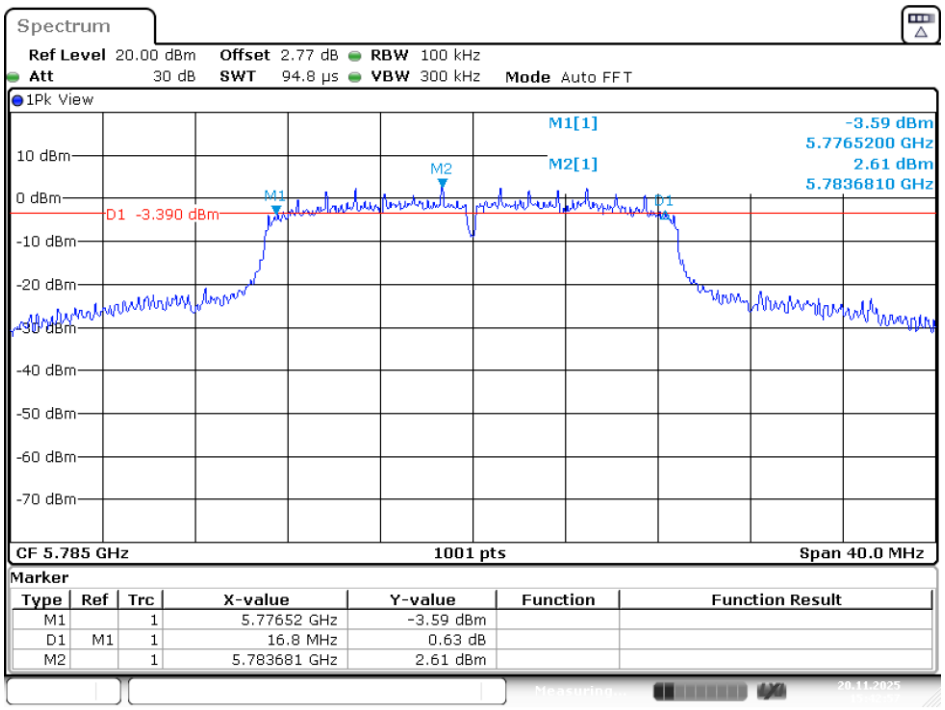
5745MHz



Date: 20.NOV.2025 17:56:54

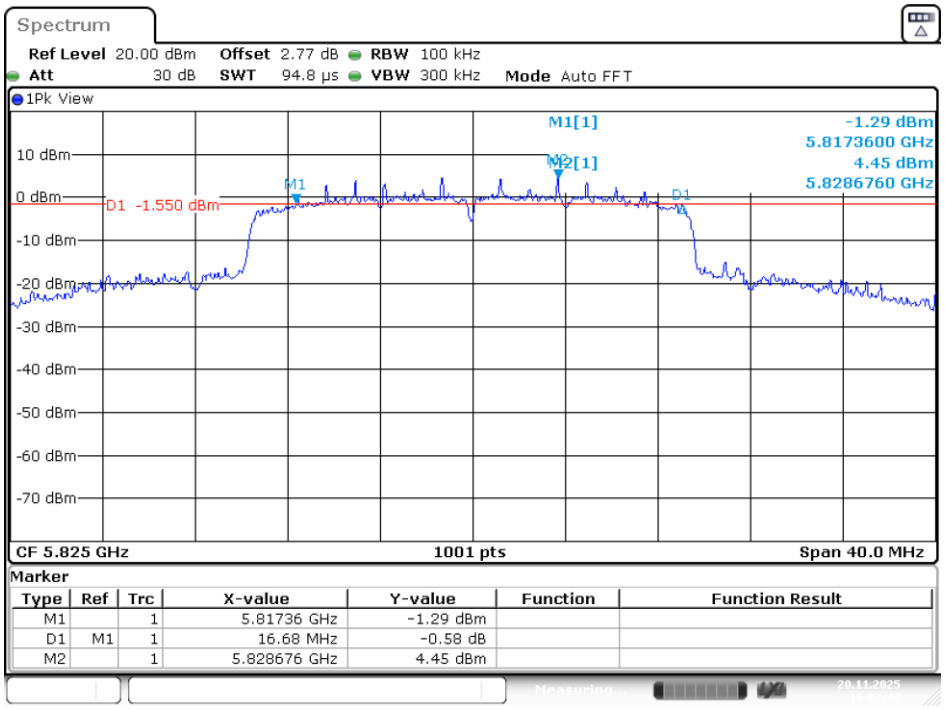
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5785MHz



Date: 20.NOV.2025 15:42:58

5825MHz



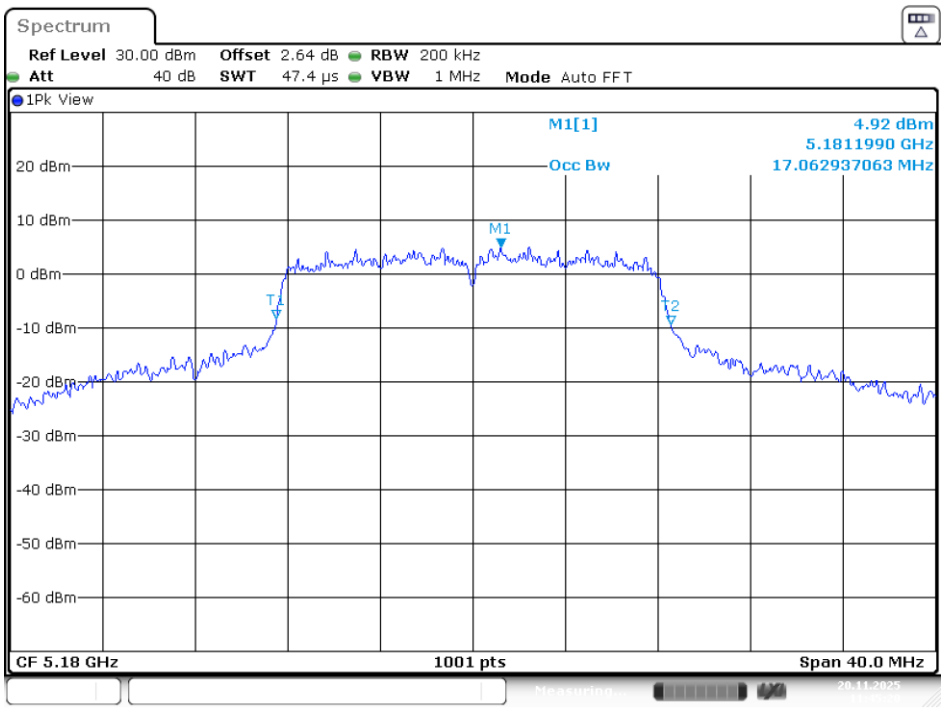
Date: 20.NOV.2025 16:07:43

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

UNII-1 Band I / OBW 99%

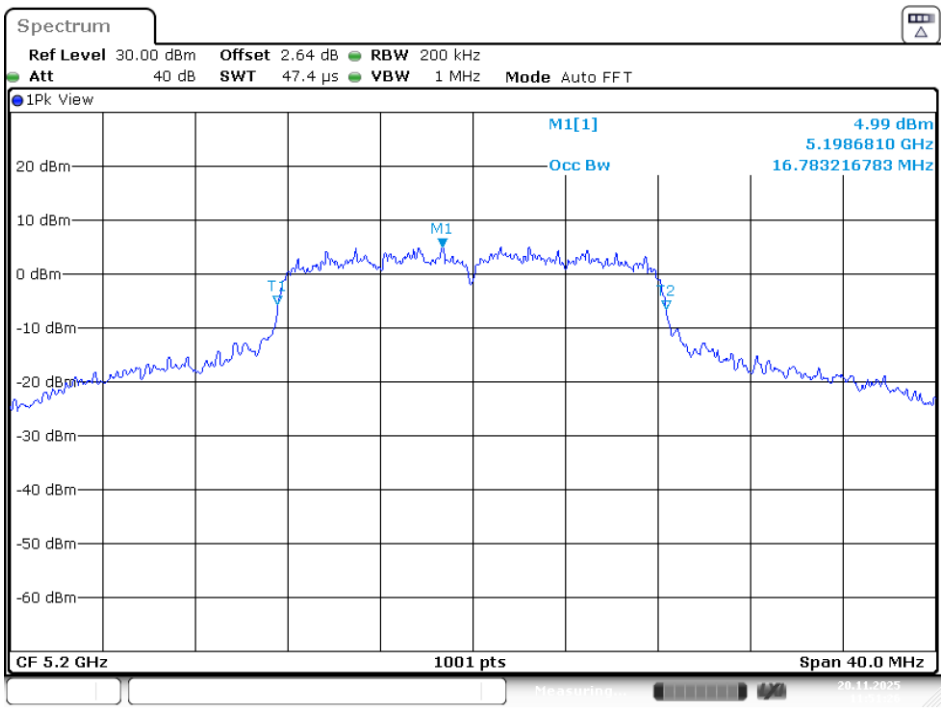
802.11a Mode / 5150 ~ 5250MHz

5180MHz



Date: 20.NOV.2025 11:45:21

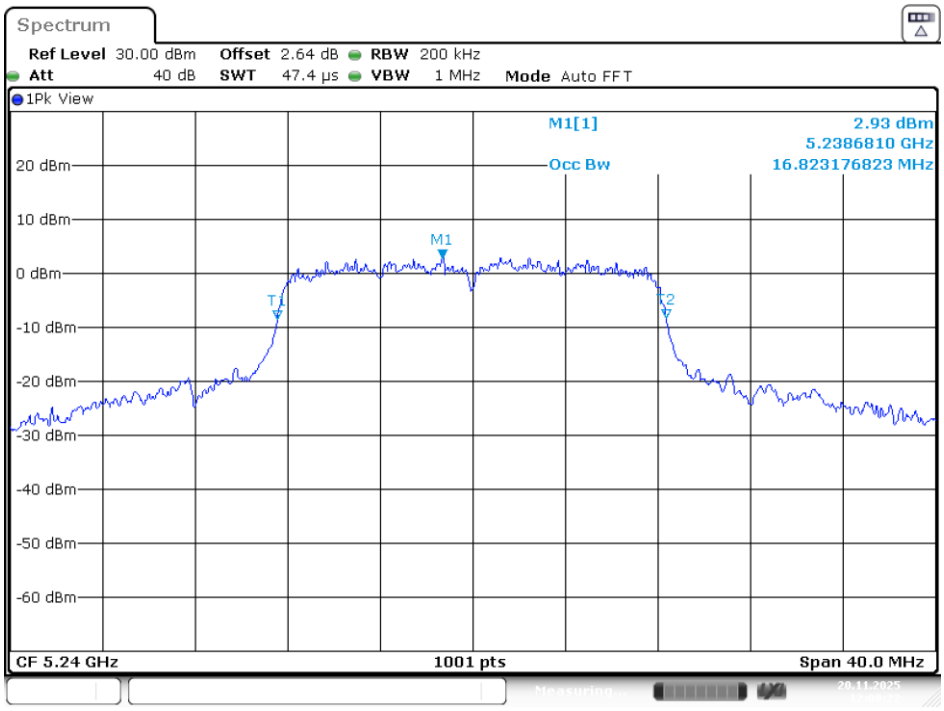
5200MHz



Date: 20.NOV.2025 11:51:27

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

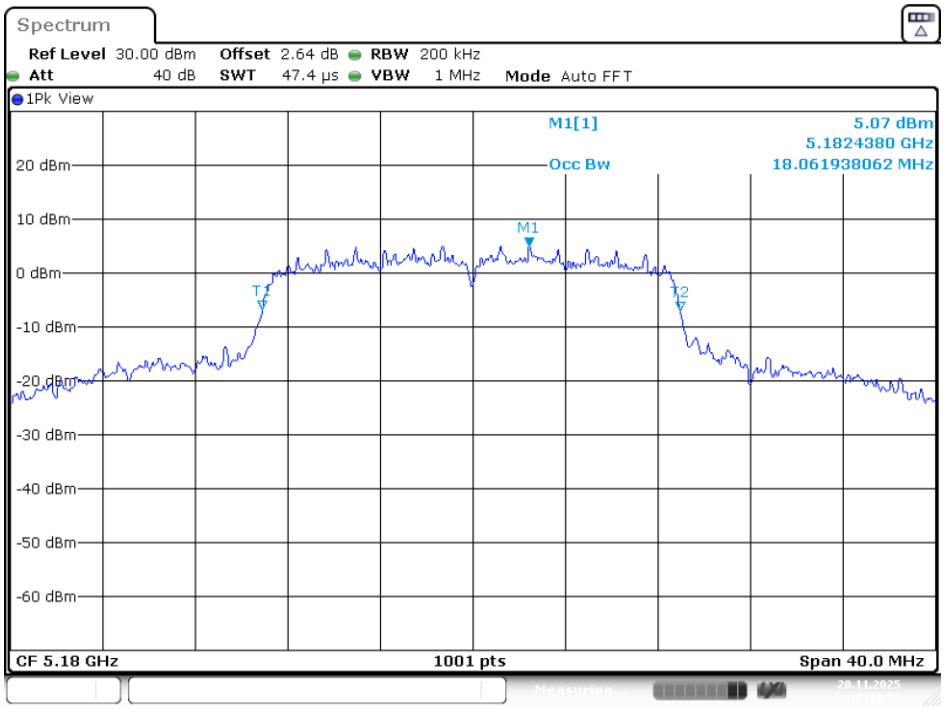
5240MHz



Date: 20.NOV.2025 12:00:23

802.11 n20 Mode / 5150 ~ 5250MHz

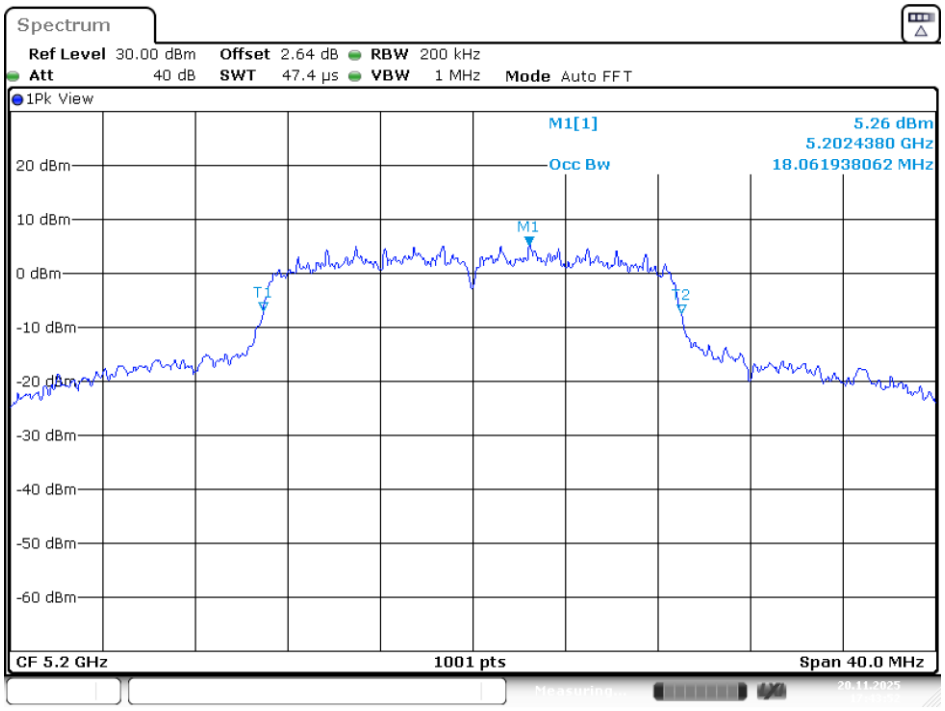
5180MHz



Date: 20.NOV.2025 17:39:16

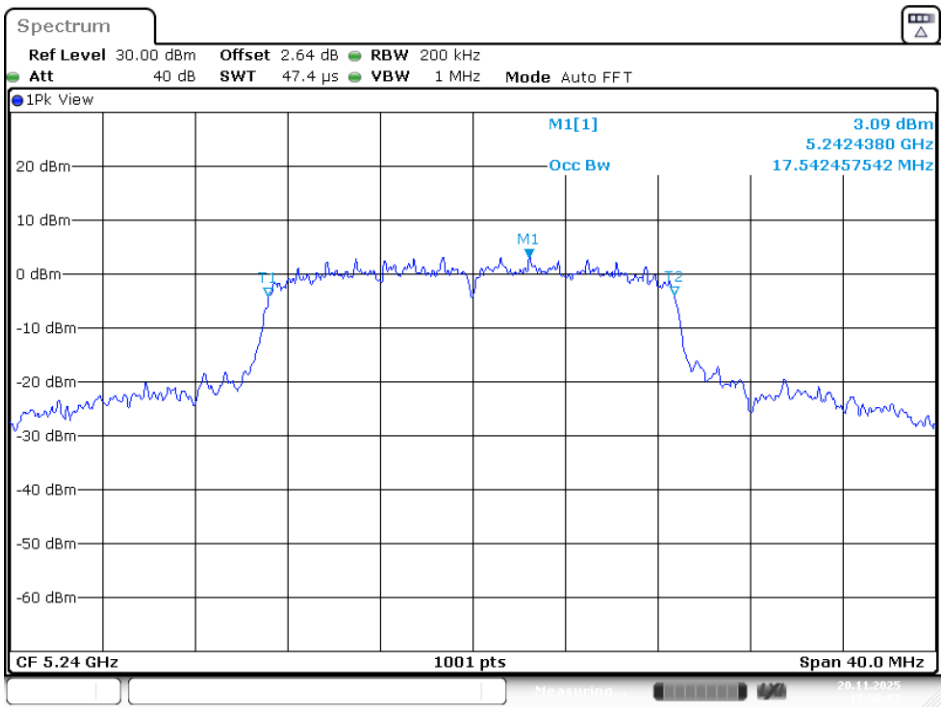
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5200MHz



Date: 20.NOV.2025 17:43:52

5240MHz

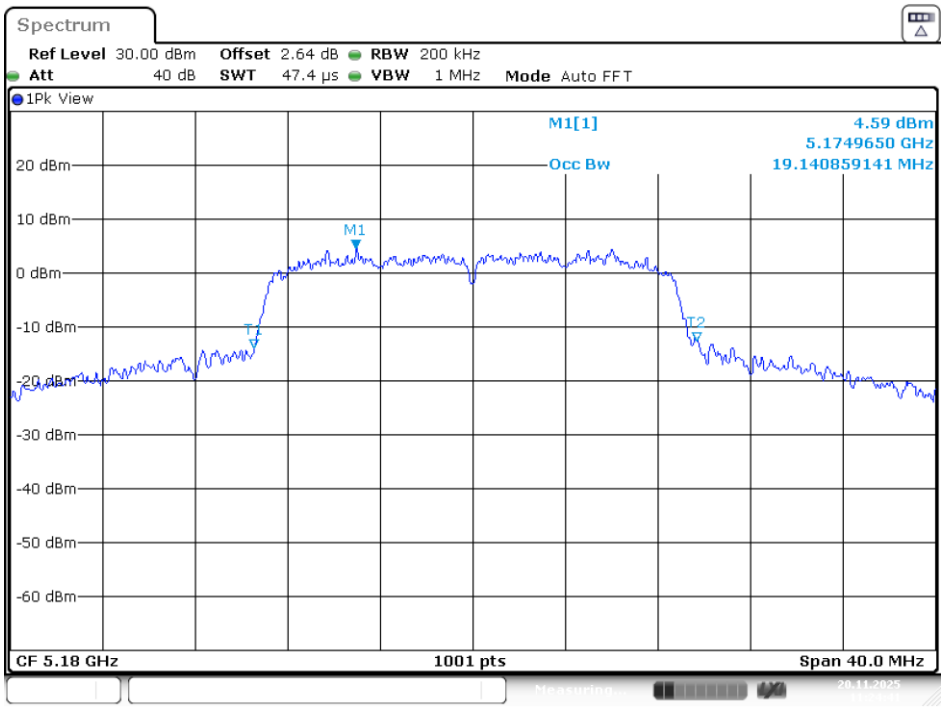


Date: 20.NOV.2025 17:50:07

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

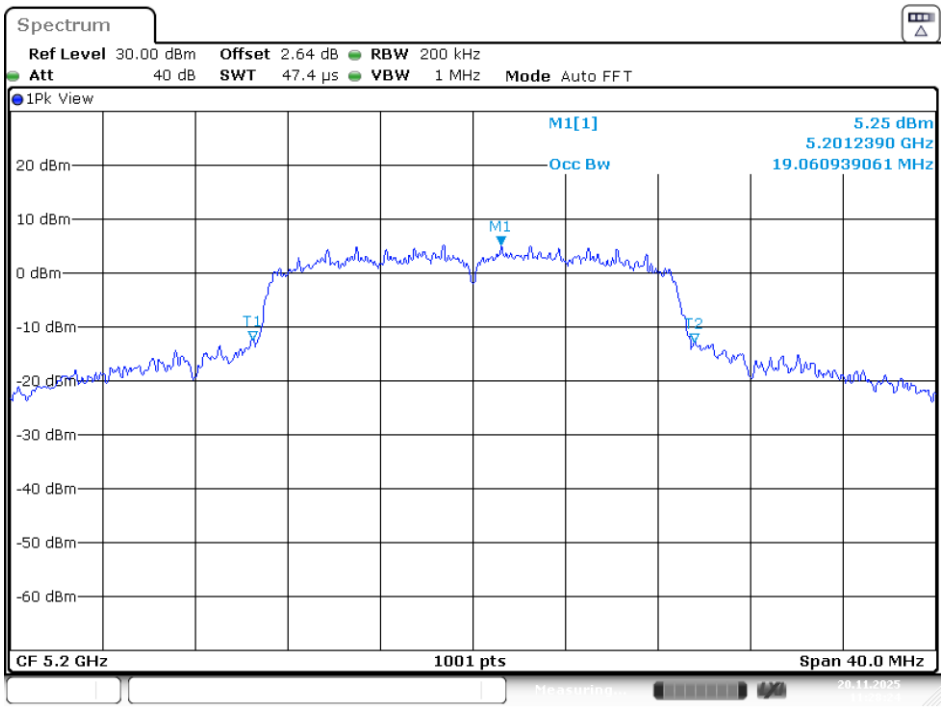
802.11 ac20 Mode / 5150 ~ 5250MHz

5180MHz



Date: 20.NOV.2025 11:24:41

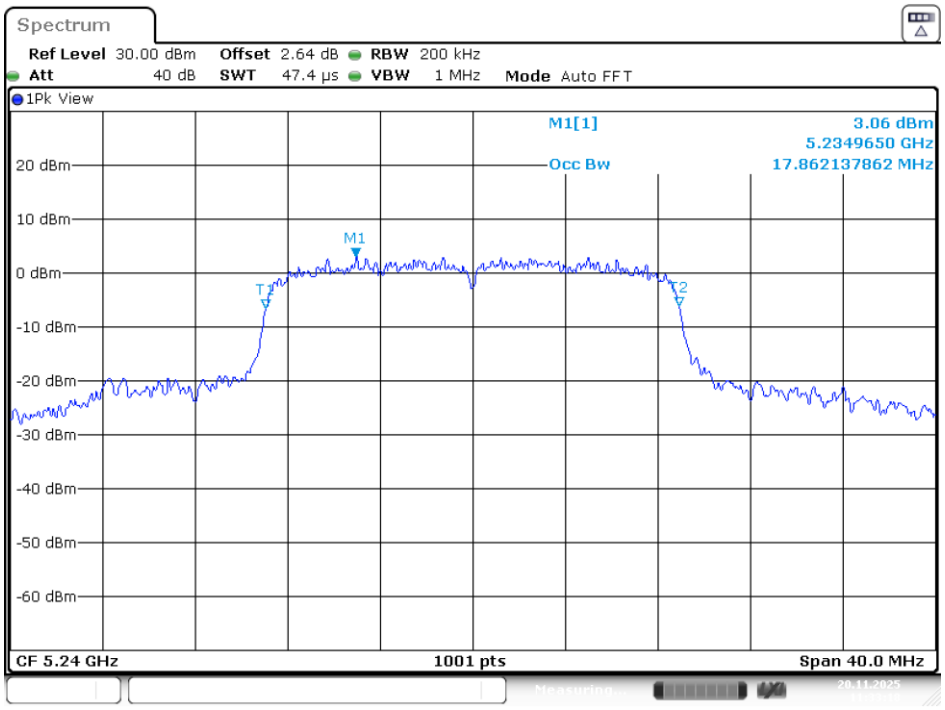
5200MHz



Date: 20.NOV.2025 11:28:23

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

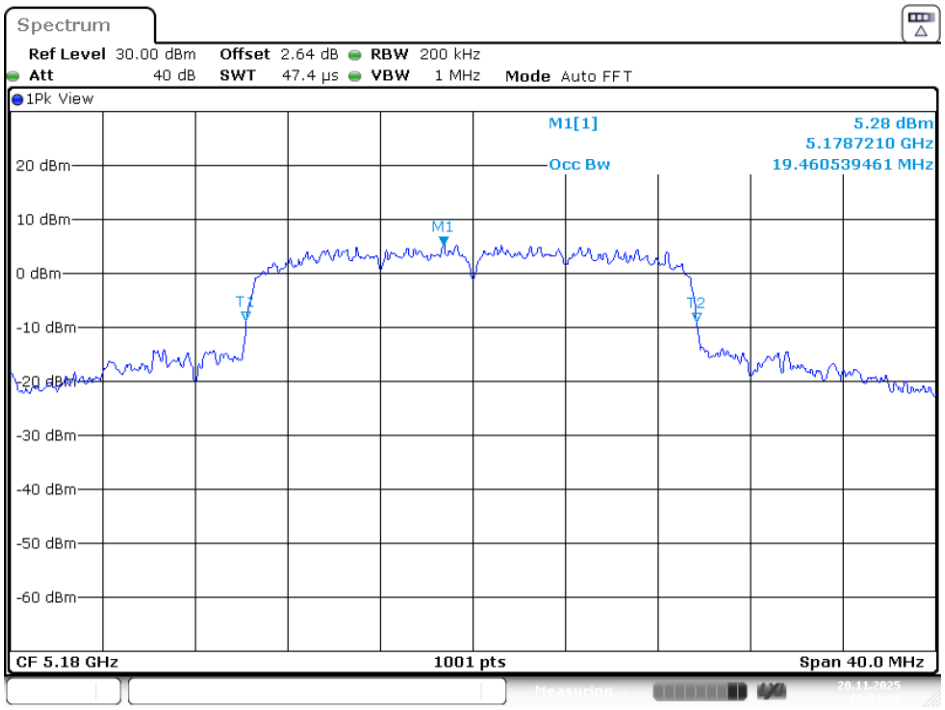
5240MHz



Date: 20.NOV.2025 11:33:18

802.11 ax20 Mode / 5150 ~ 5250MHz

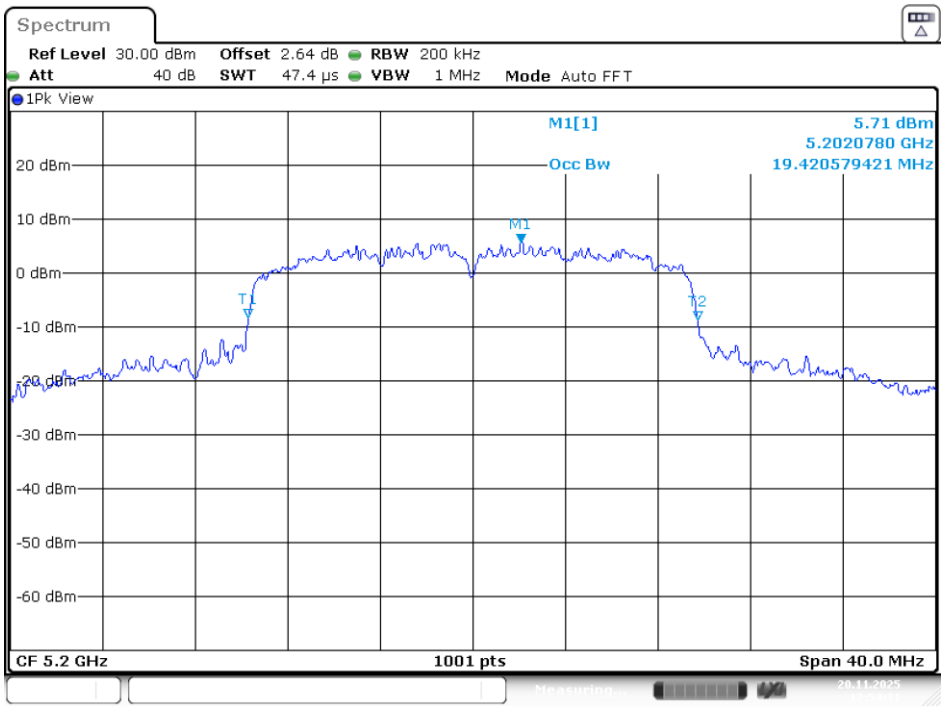
5180MHz



Date: 20.NOV.2025 12:51:12

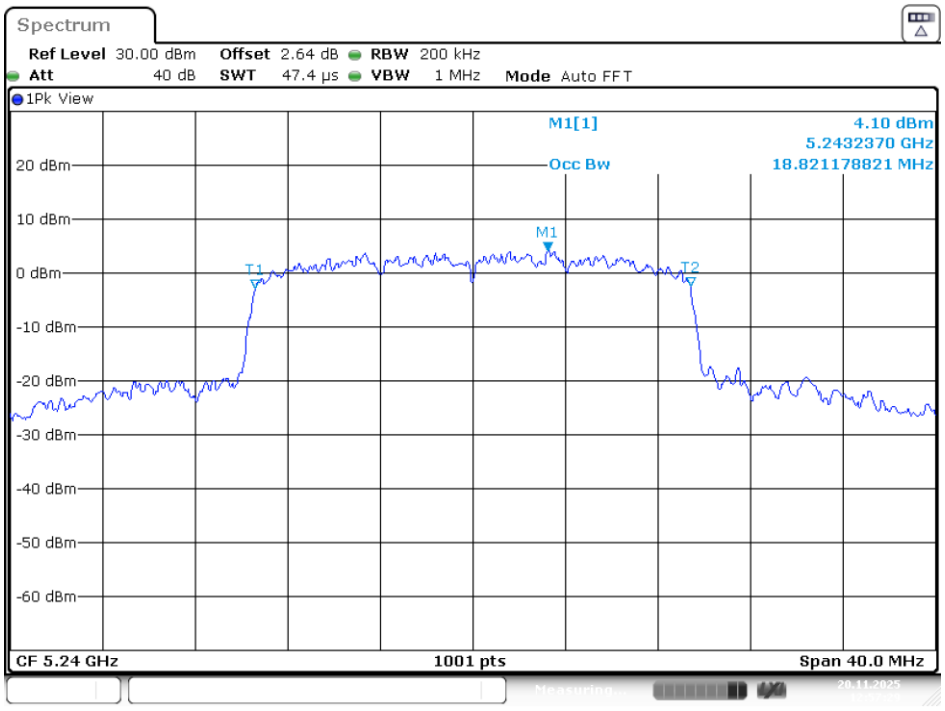
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5200MHz



Date: 20.NOV.2025 12:54:11

5240MHz



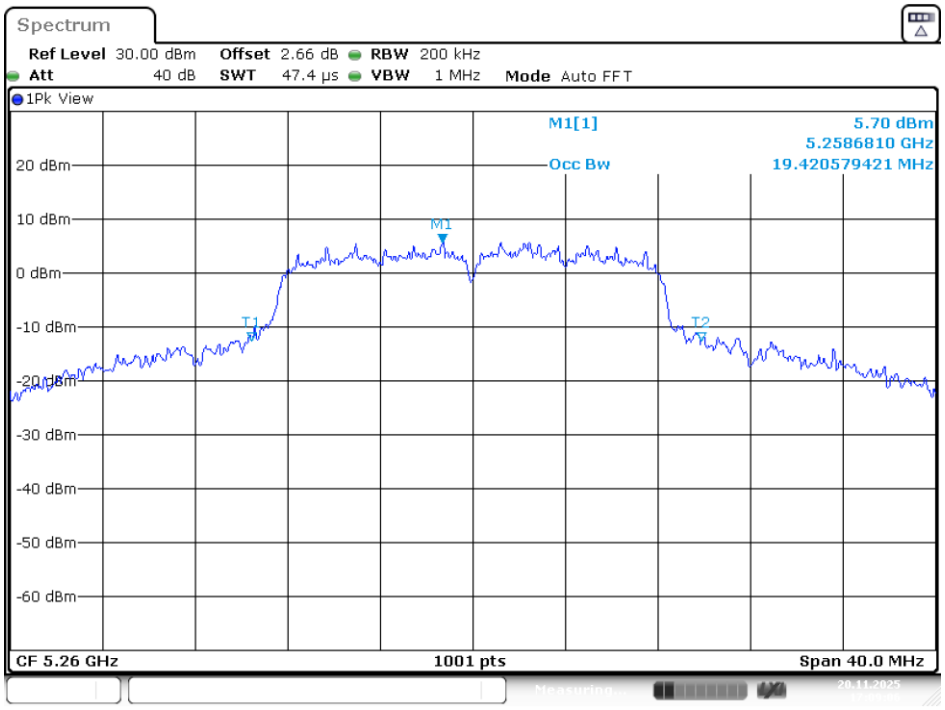
Date: 20.NOV.2025 12:57:29

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

UNII-2A Band II / OBW 99%

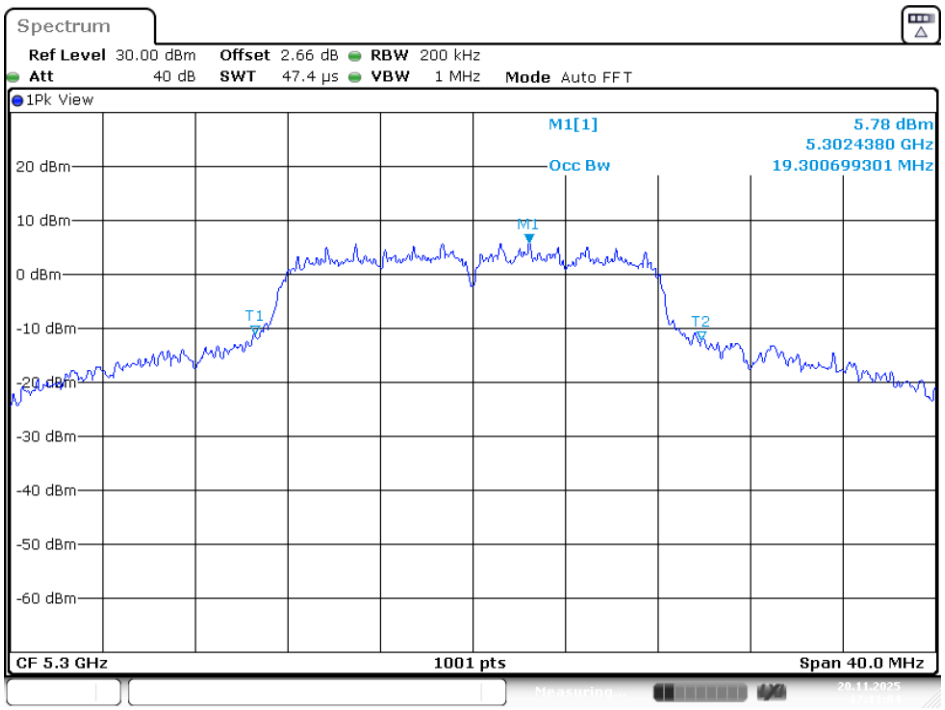
802.11a Mode / 5250 ~ 5350MHz

5260MHz



Date: 20.NOV.2025 17:09:07

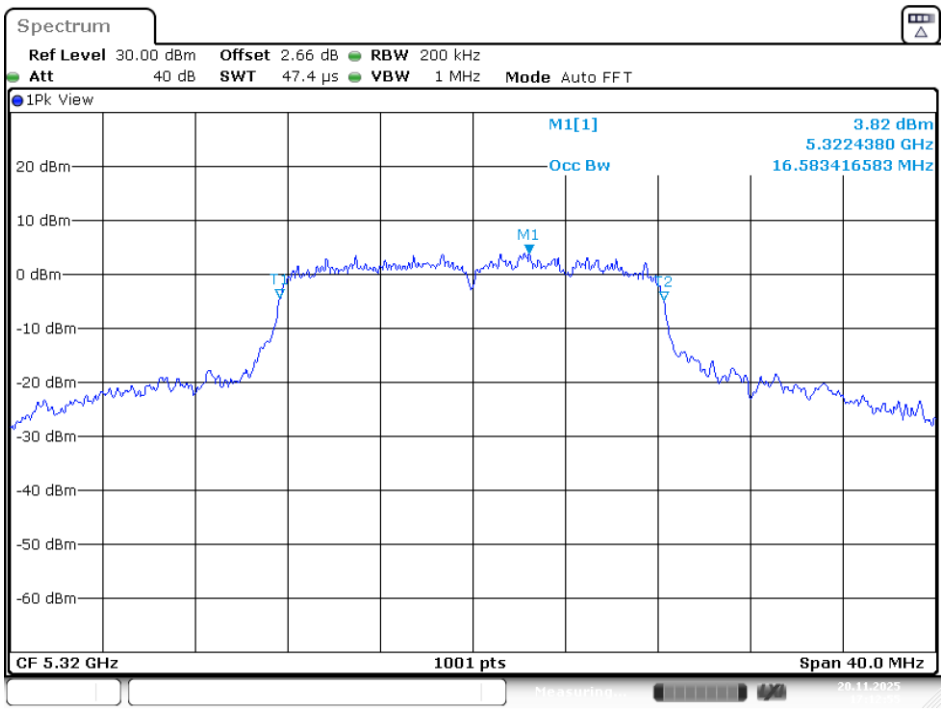
5300MHz



Date: 20.NOV.2025 17:11:05

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

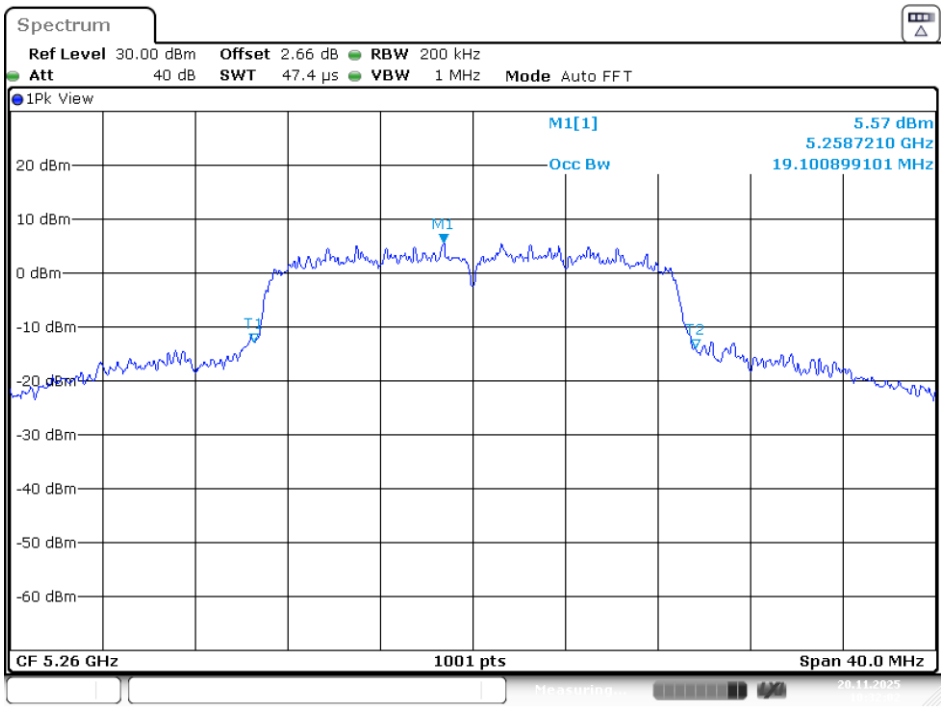
5320MHz



Date: 20.NOV.2025 17:12:56

802.11 n20 Mode / 5250 ~ 5350MHz

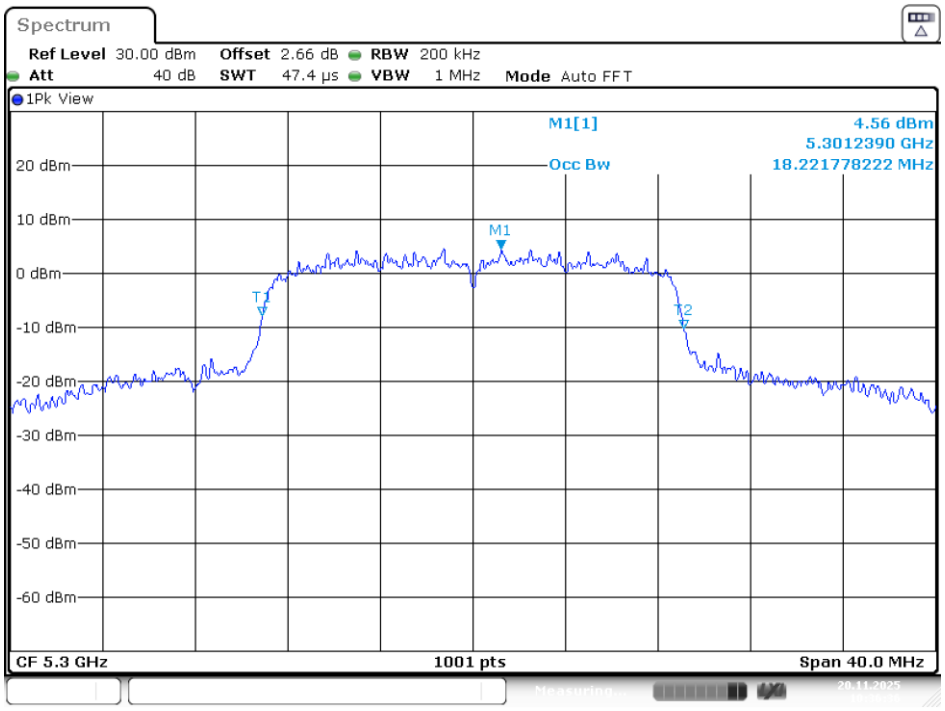
5260MHz



Date: 20.NOV.2025 10:32:01

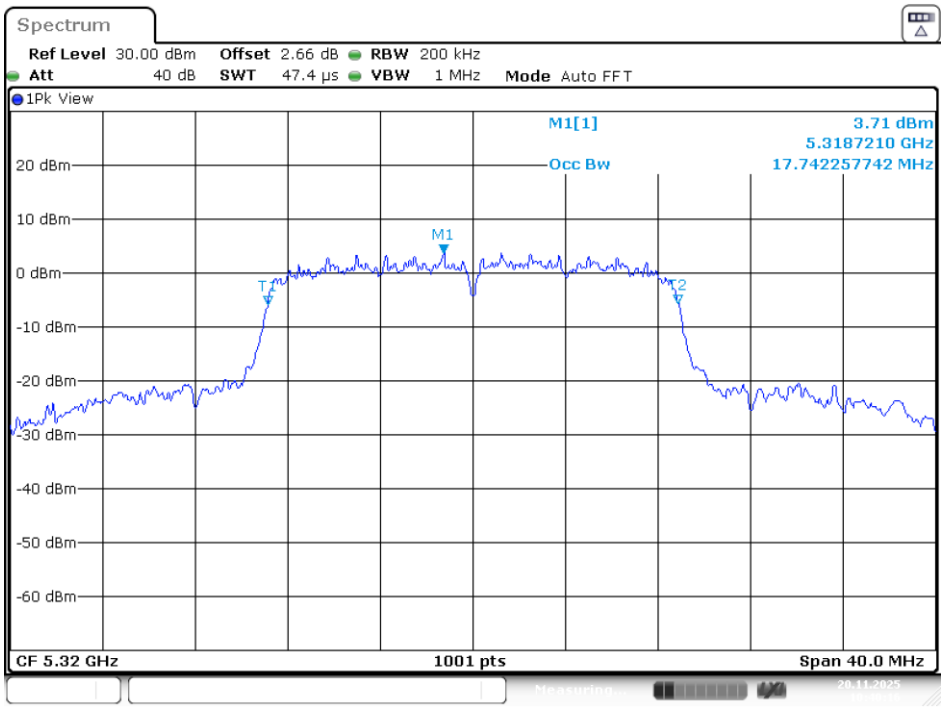
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5300MHz



Date: 20.NOV.2025 10:36:35

5320MHz

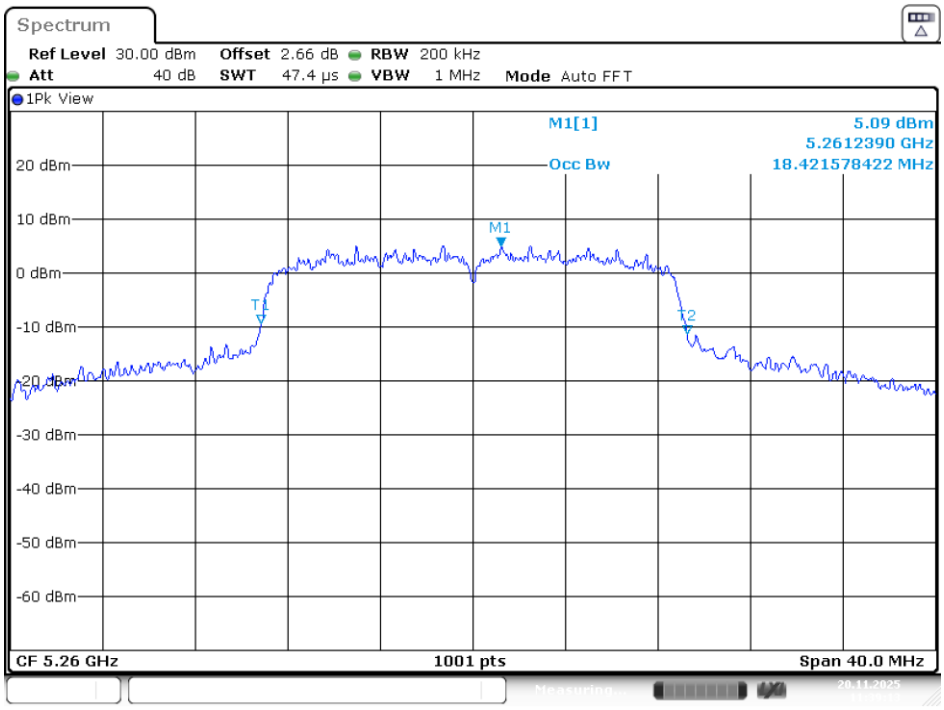


Date: 20.NOV.2025 10:40:16

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

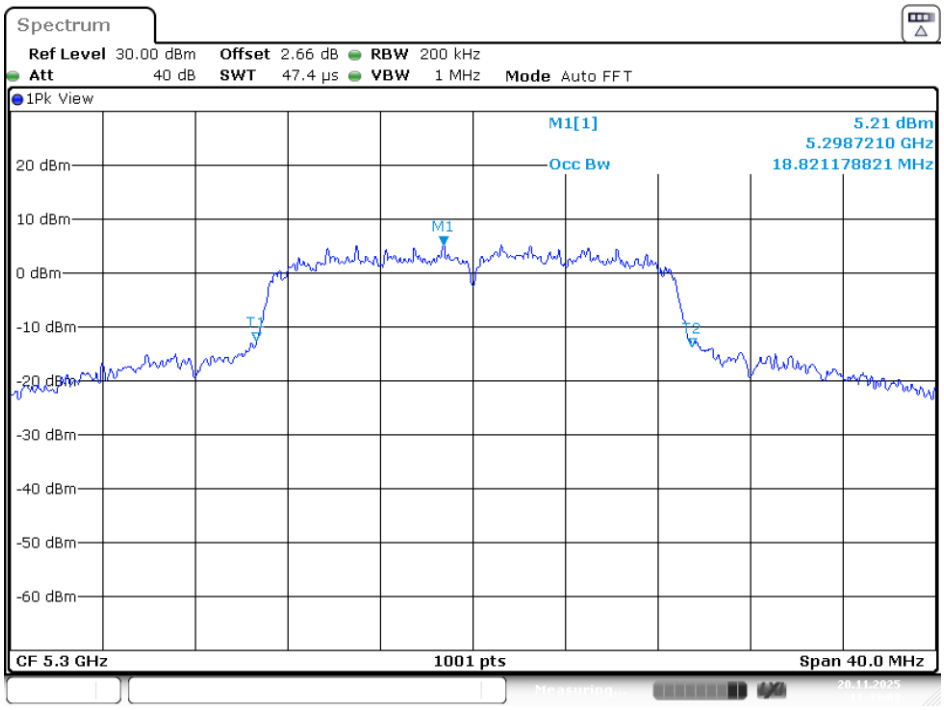
802.11 ac20 Mode / 5250 ~ 5350MHz

5260MHz



Date: 20.NOV.2025 11:39:13

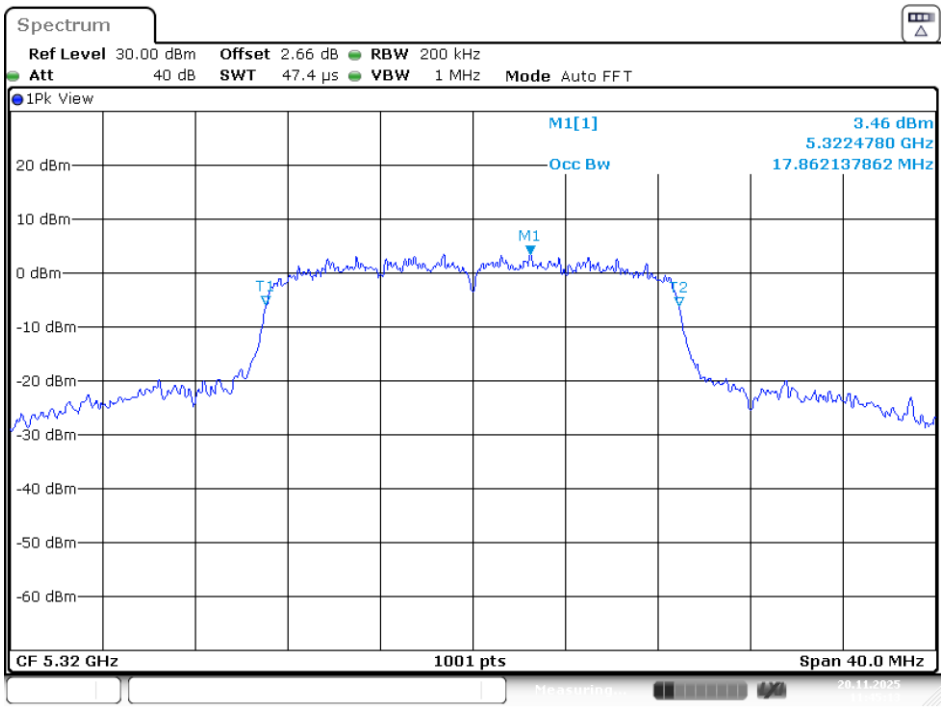
5300MHz



Date: 20.NOV.2025 11:43:02

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

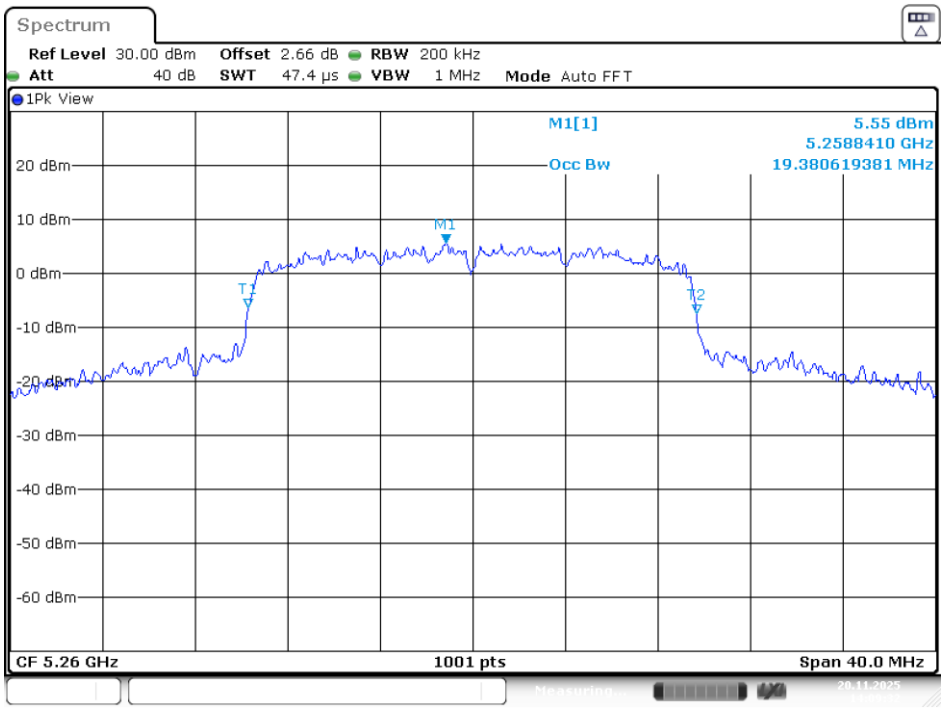
5320MHz



Date: 20.NOV.2025 11:45:14

802.11 ax20 Mode / 5250 ~ 5350MHz

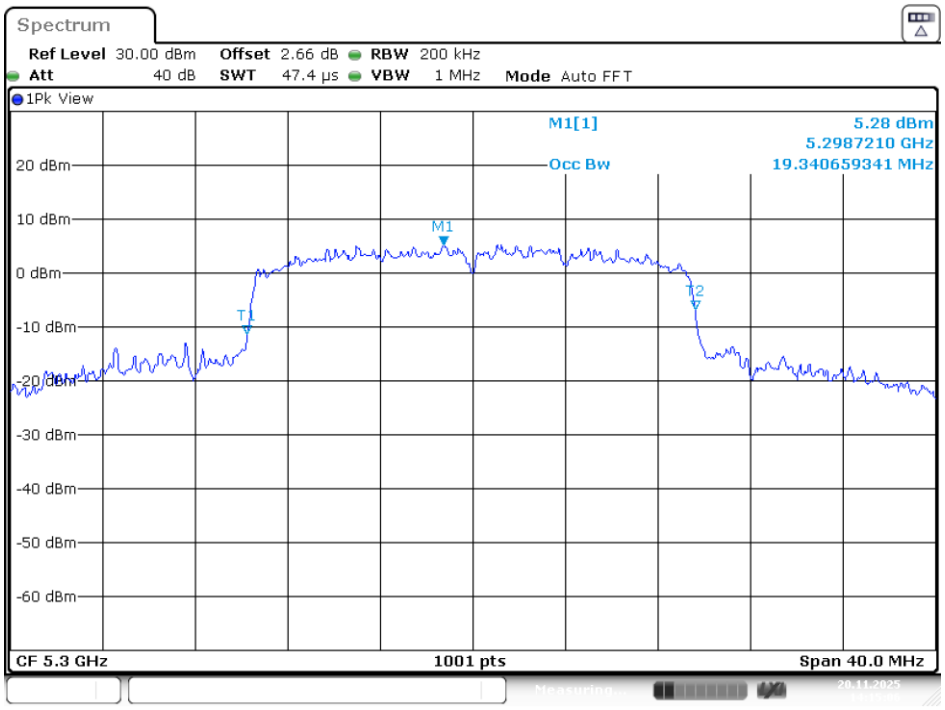
5260MHz



Date: 20.NOV.2025 14:09:33

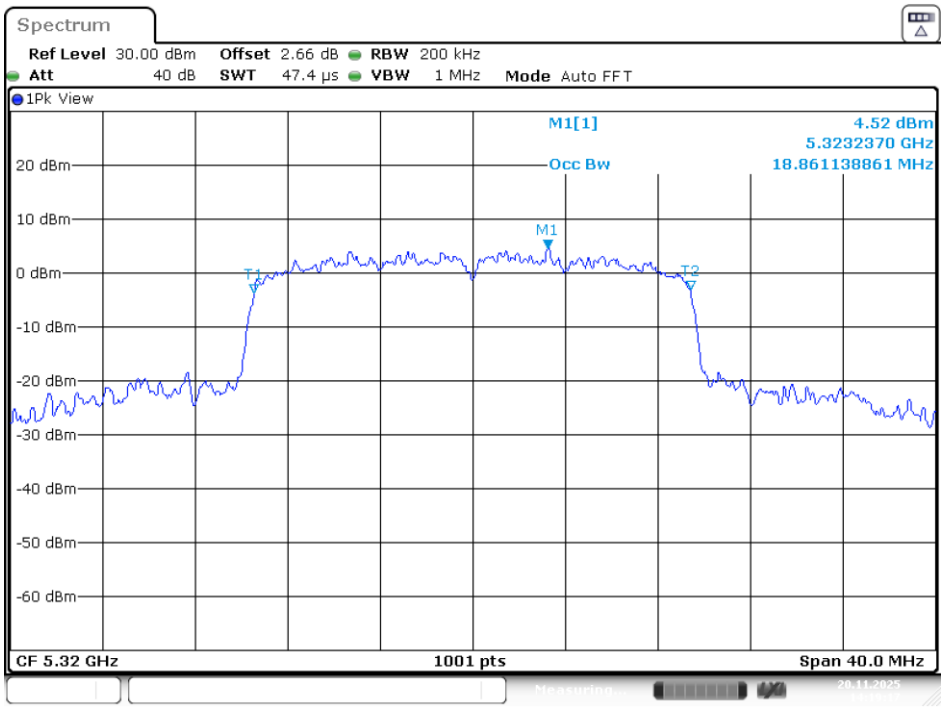
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5300MHz



Date: 20.NOV.2025 14:15:06

5320MHz



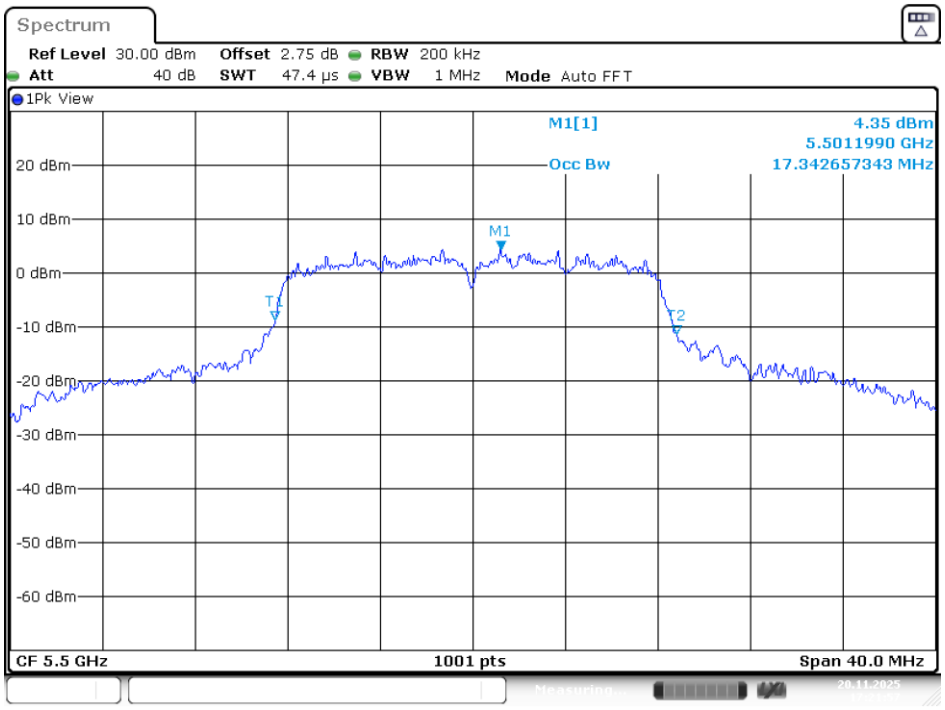
Date: 20.NOV.2025 14:19:17

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

UNII-2C Band III / OBW 99%

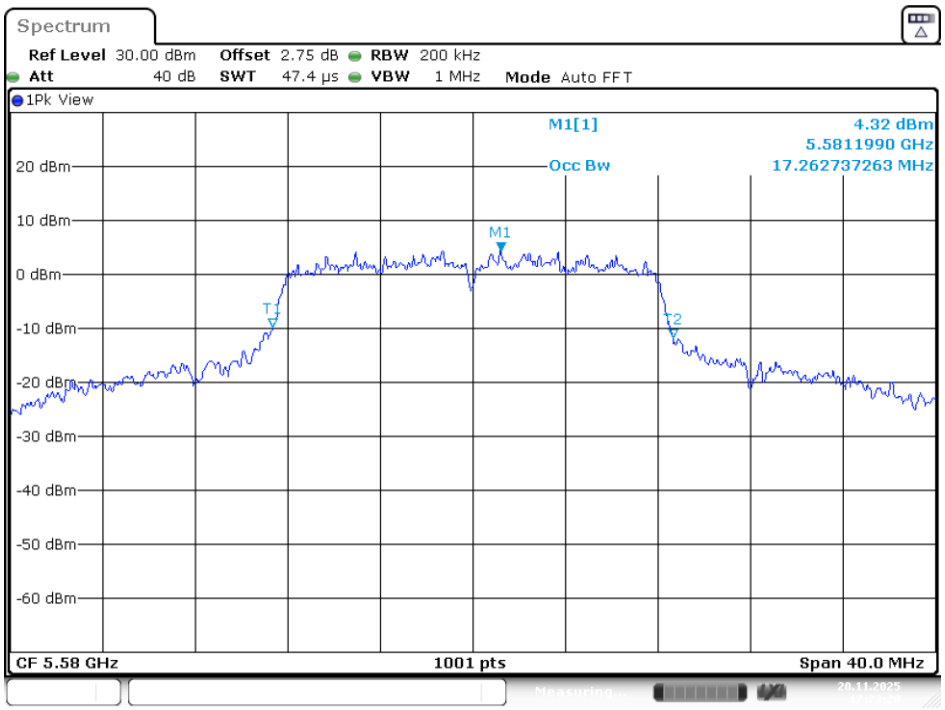
802.11a Mode / 5470 ~ 5725MHz

5500MHz



Date: 20.NOV.2025 17:21:58

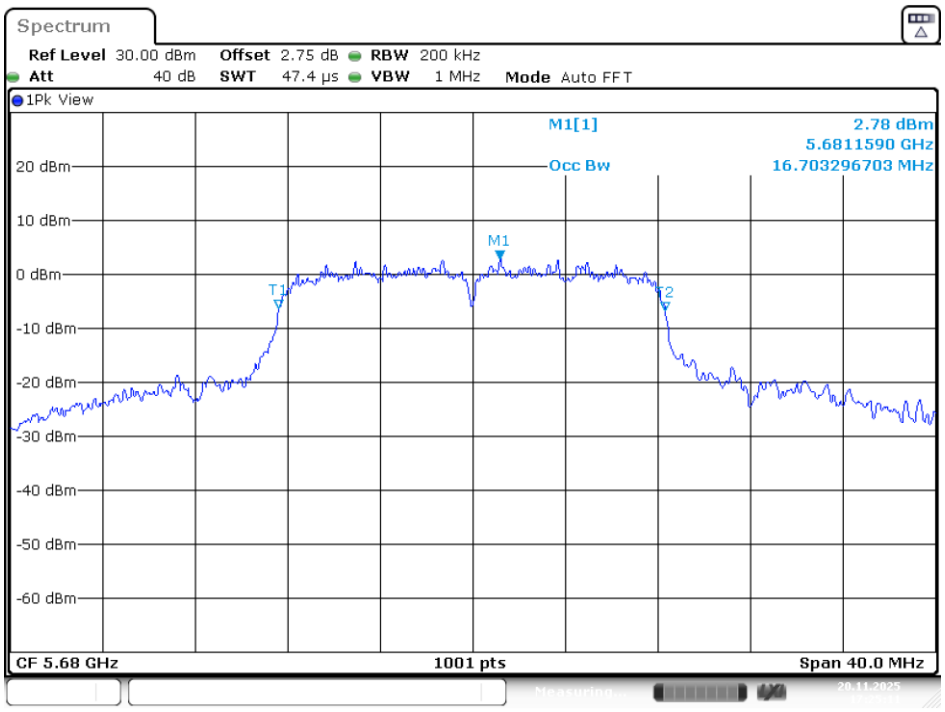
5580MHz



Date: 20.NOV.2025 17:23:21

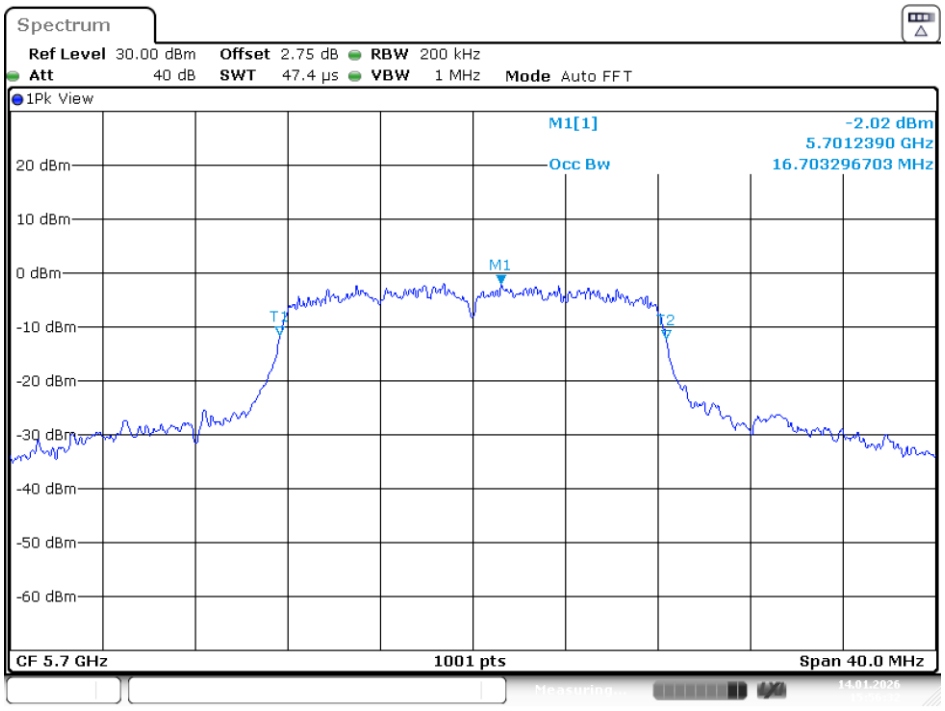
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5680MHz



Date: 20.NOV.2025 17:25:11

5700MHz

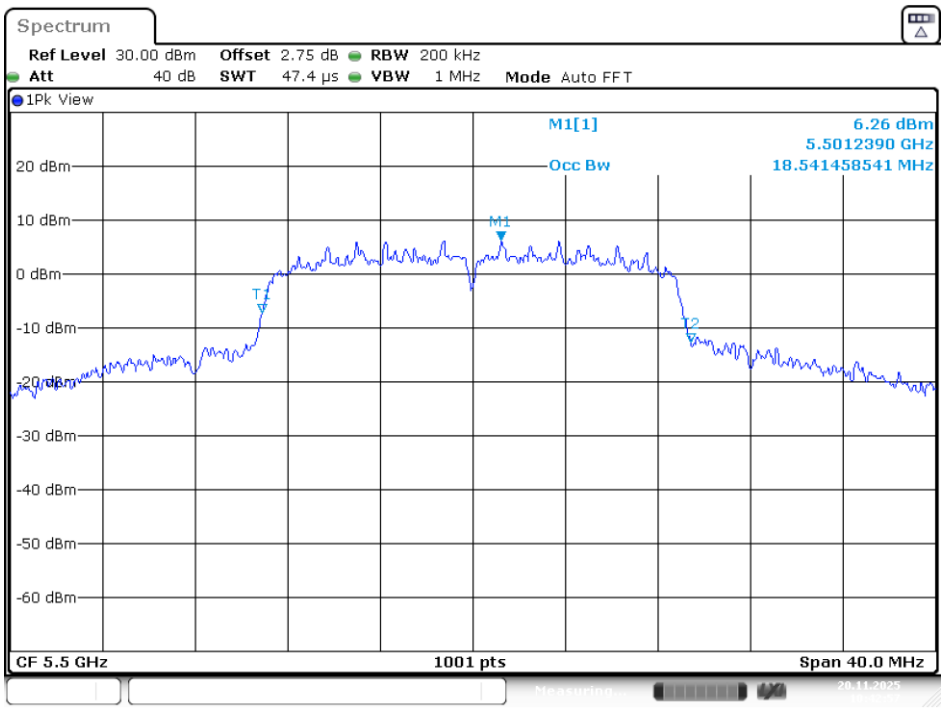


Date: 14.JAN.2026 15:56:33

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

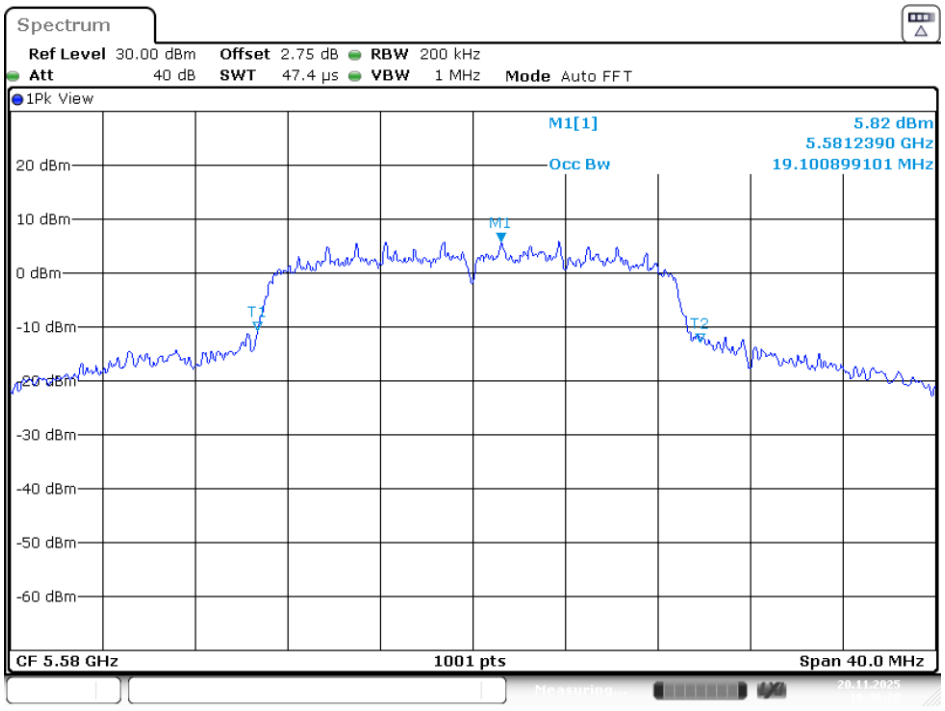
802.11 n20 Mode / 5470 ~ 5725MHz

5500MHz



Date: 20.NOV.2025 10:42:56

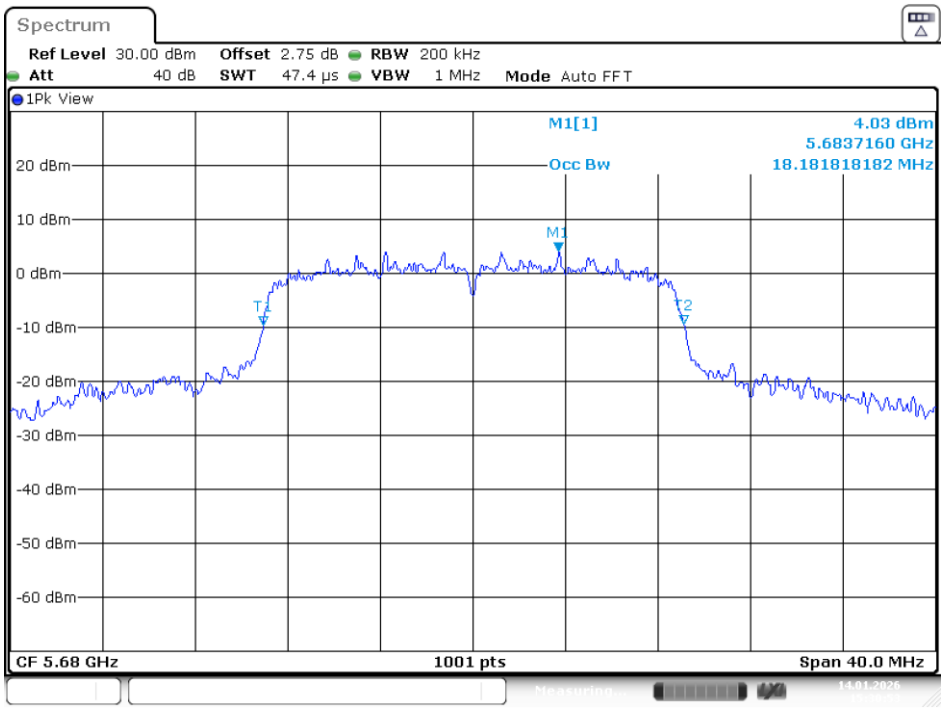
5580MHz



Date: 20.NOV.2025 10:46:20

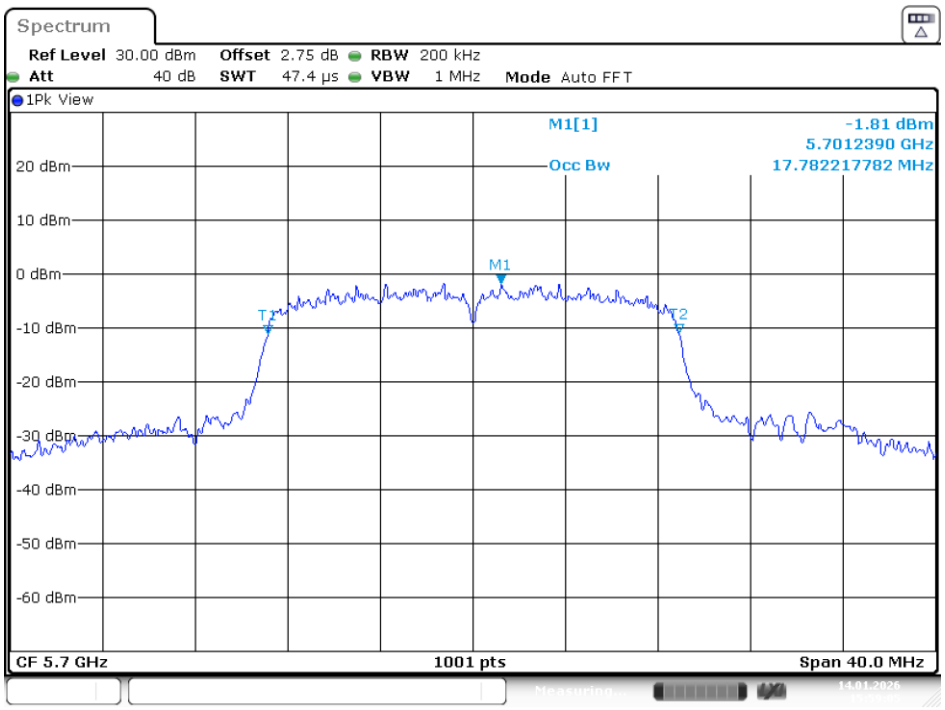
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5680MHz



Date: 14.JAN.2026 15:30:54

5700MHz

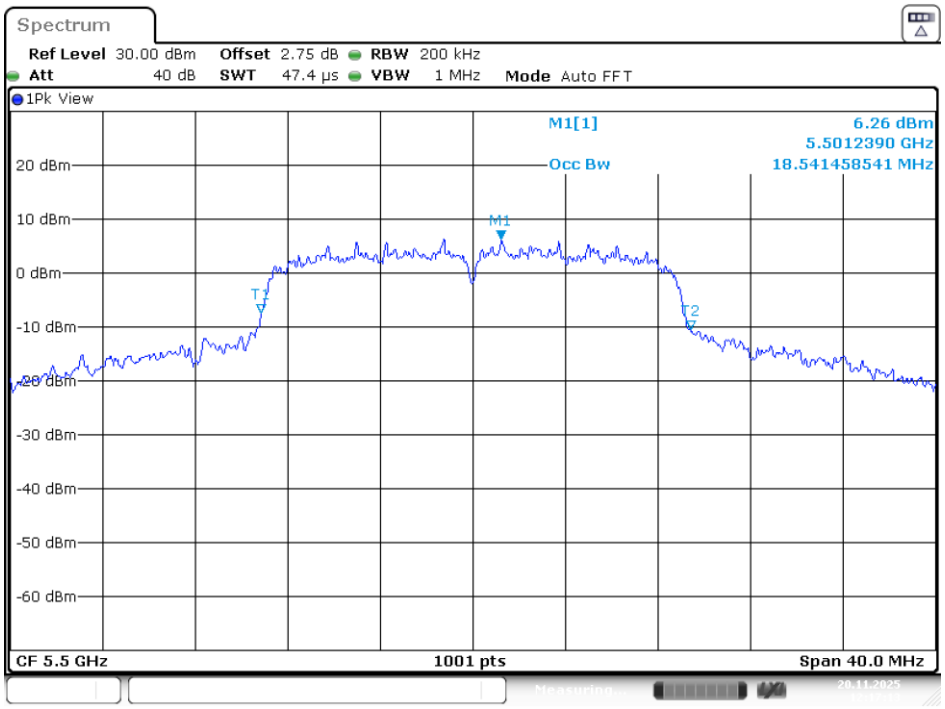


Date: 14.JAN.2026 15:59:06

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

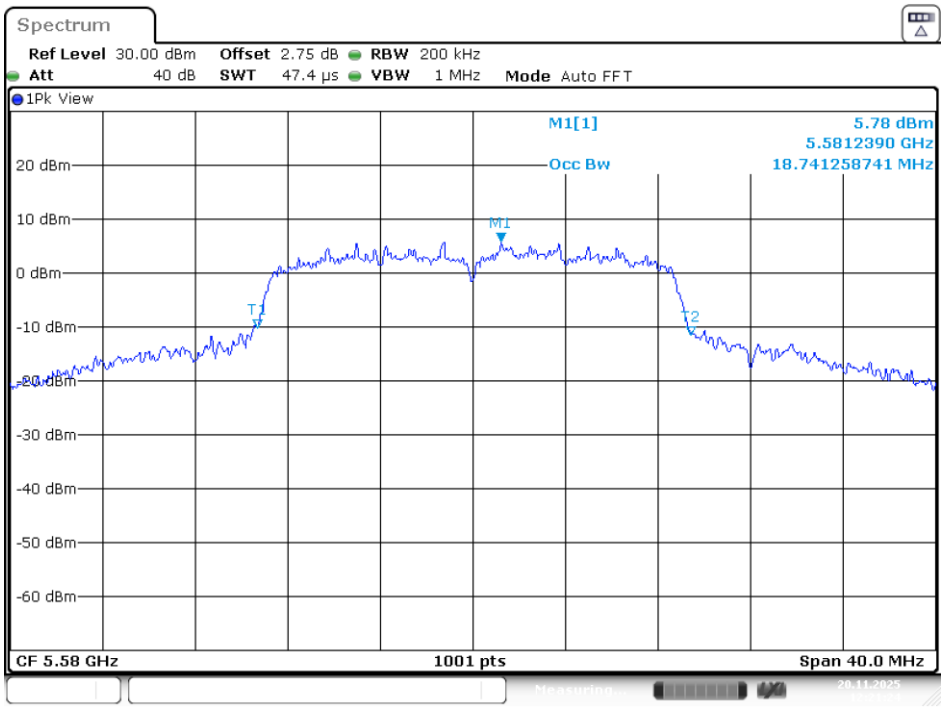
802.11 ac20 Mode / 5470 ~ 5725MHz

5500MHz



Date: 20.NOV.2025 12:17:12

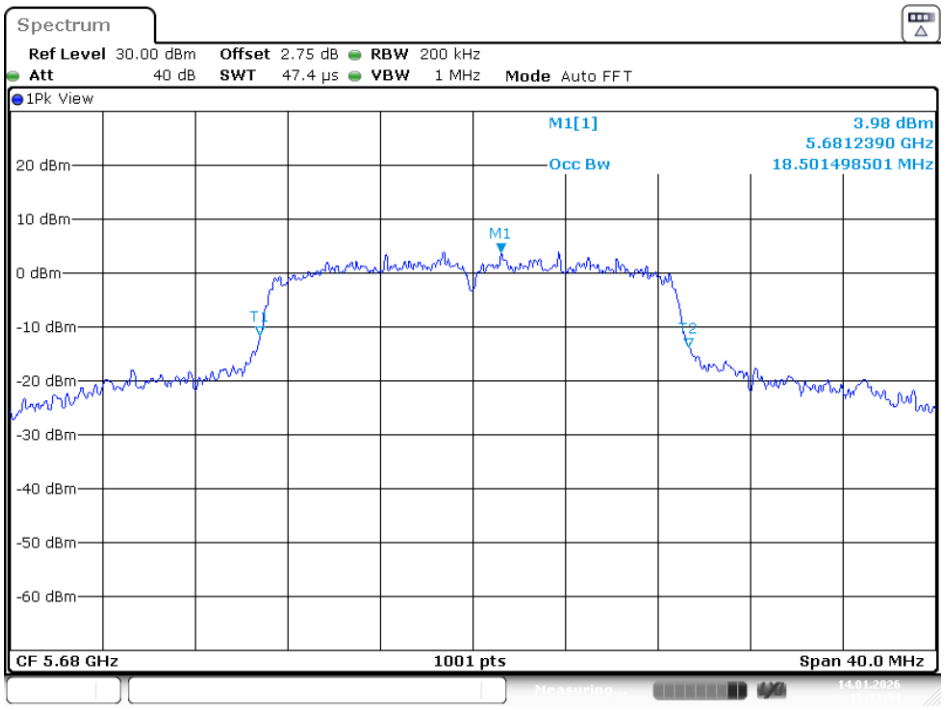
5580MHz



Date: 20.NOV.2025 12:21:24

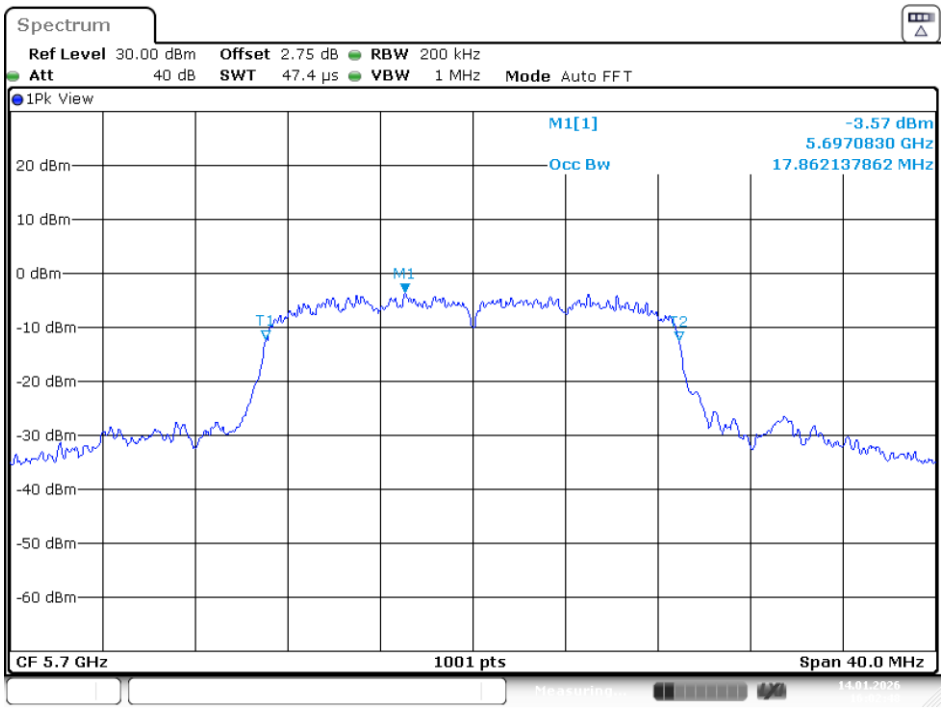
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5680MHz



Date: 14.JAN.2026 15:33:55

5700MHz

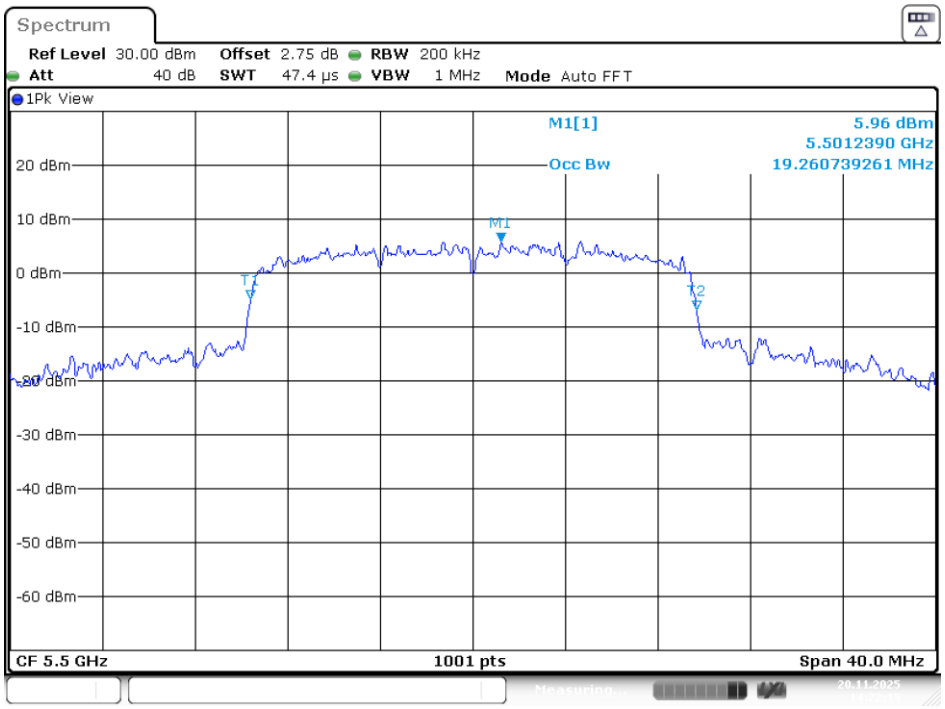


Date: 14.JAN.2026 16:02:49

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

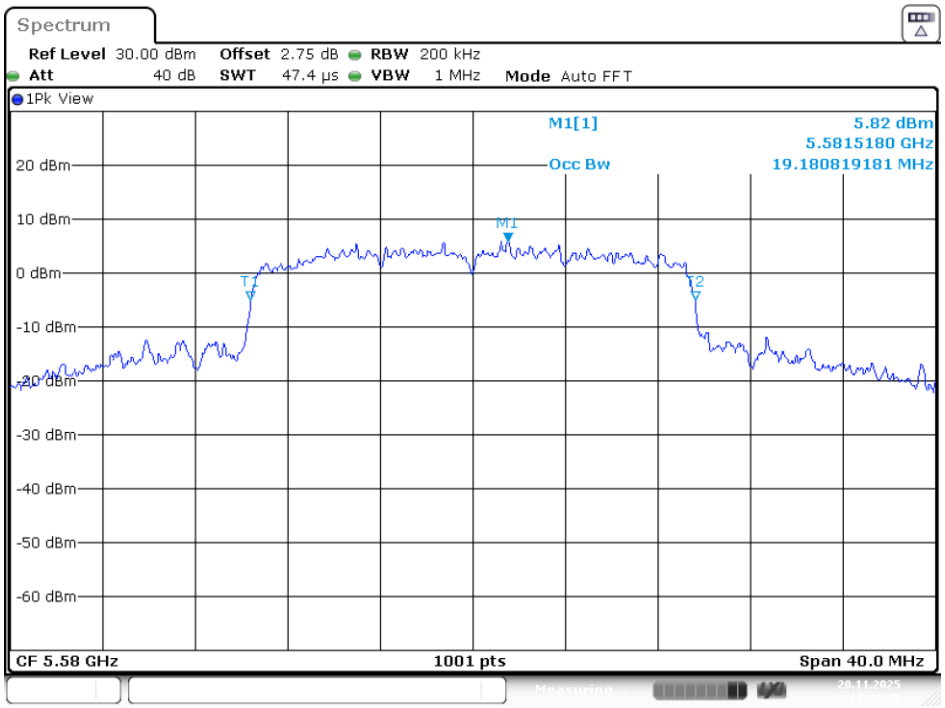
802.11 ax20 Mode / 5470 ~ 5725MHz

5500MHz



Date: 20.NOV.2025 14:22:15

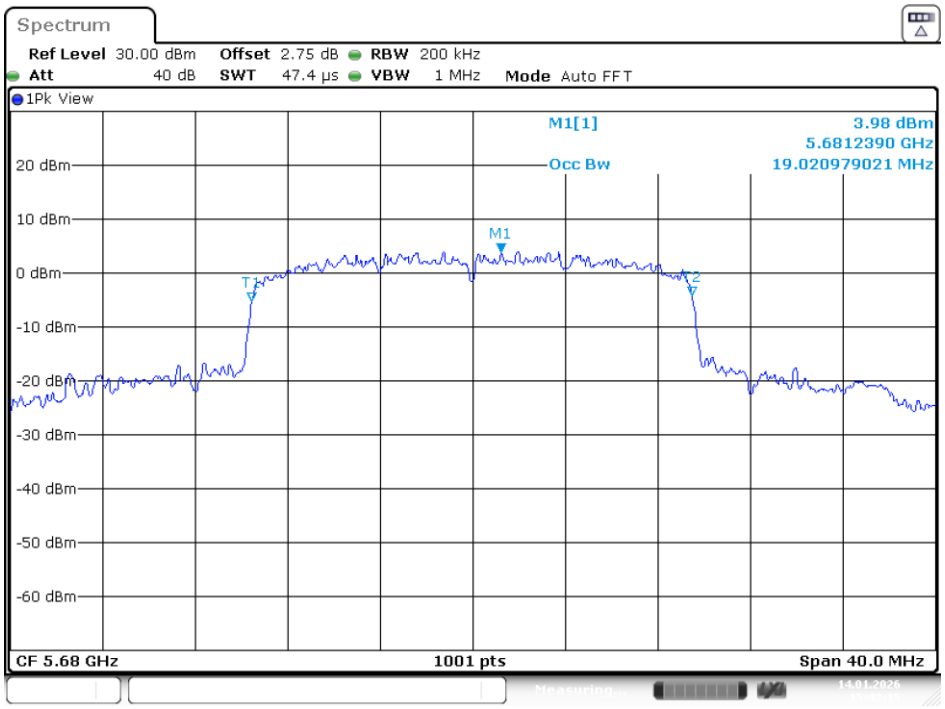
5580MHz



Date: 20.NOV.2025 14:24:29

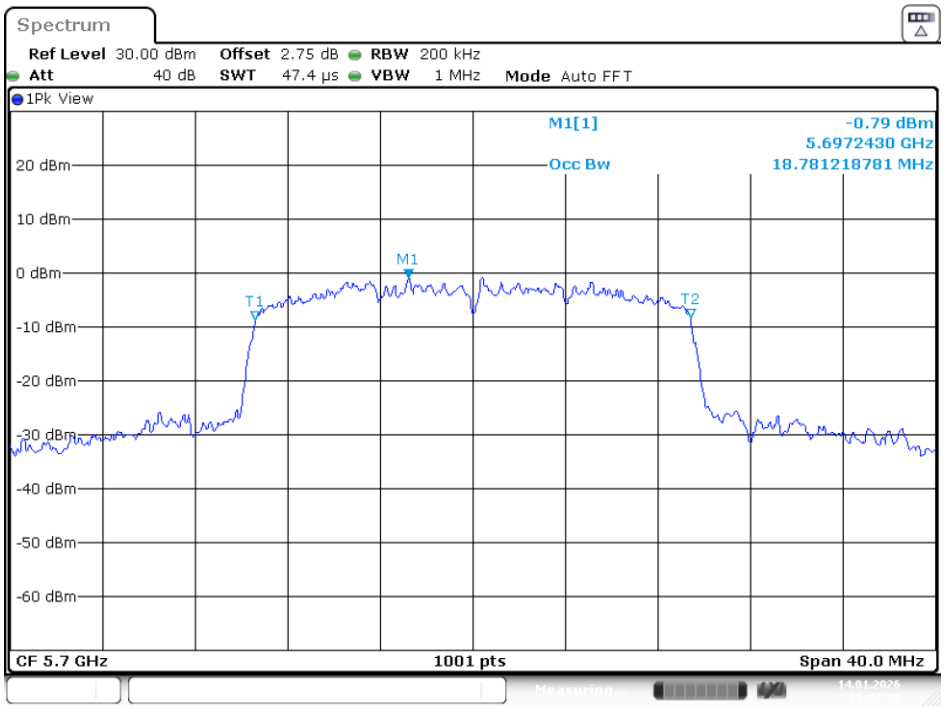
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5680MHz



Date: 14.JAN.2026 15:42:16

5700MHz



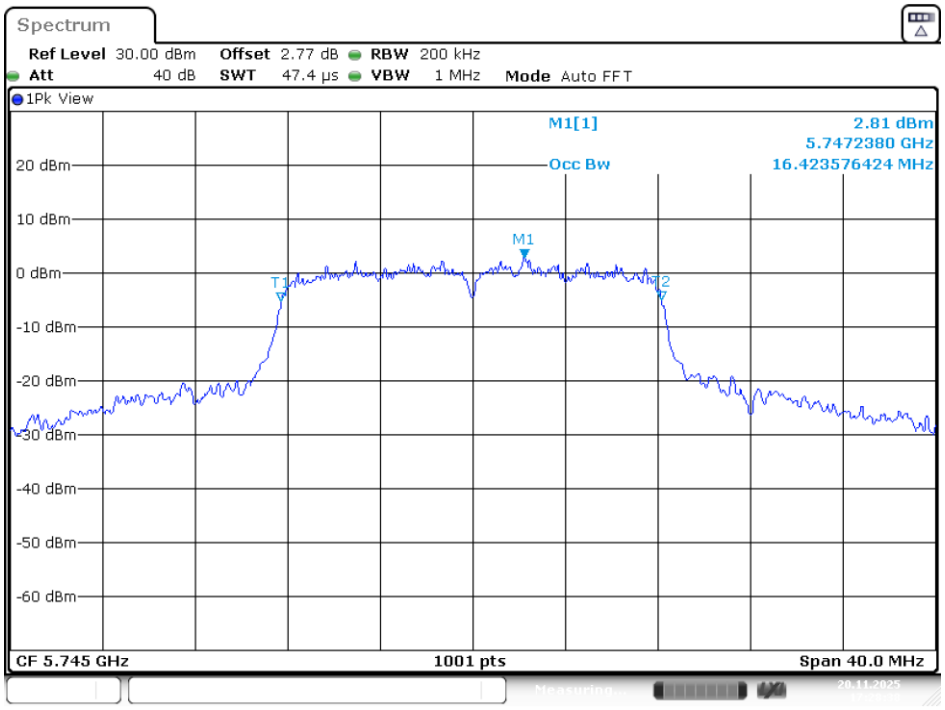
Date: 14.JAN.2026 16:07:15

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

UNII-3 Band IV / OBW 99%

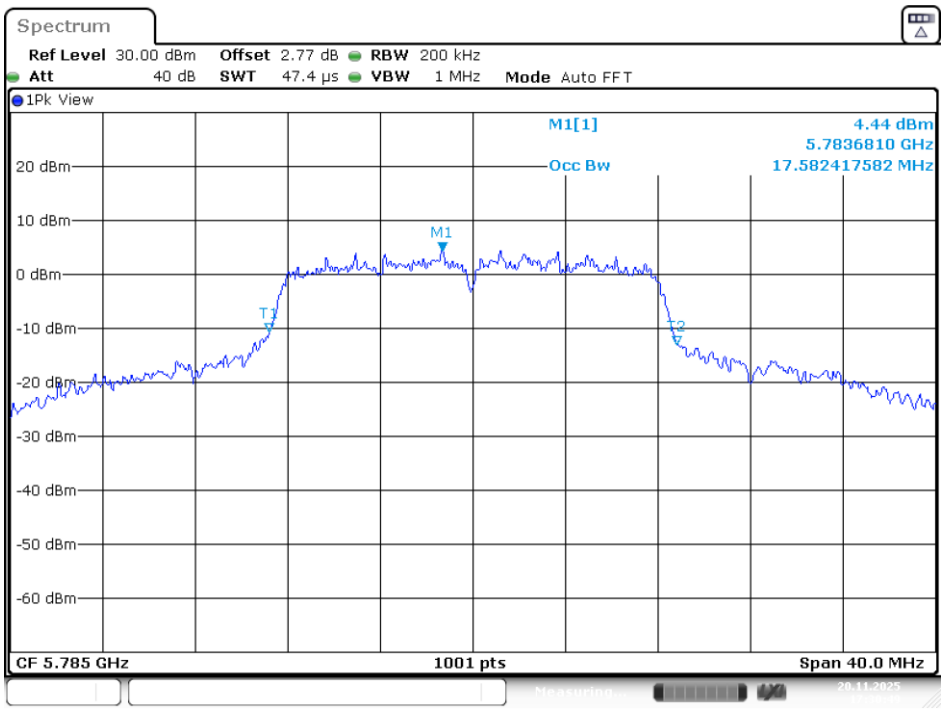
802.11a Mode / 5725 ~ 5850MHz

5745MHz



Date: 20.NOV.2025 17:28:38

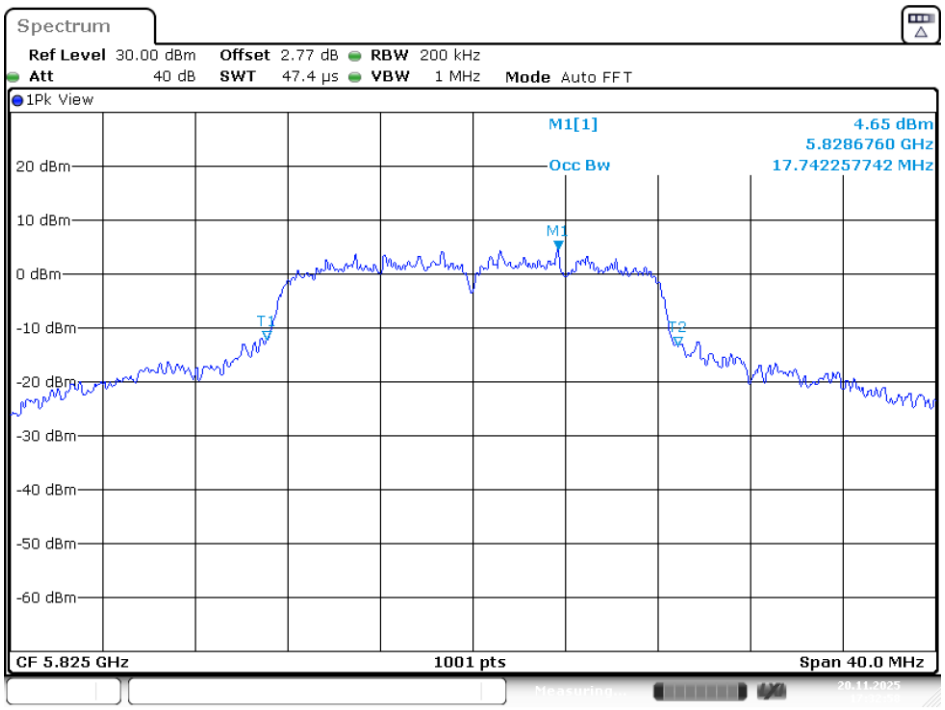
5785MHz



Date: 20.NOV.2025 17:30:49

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

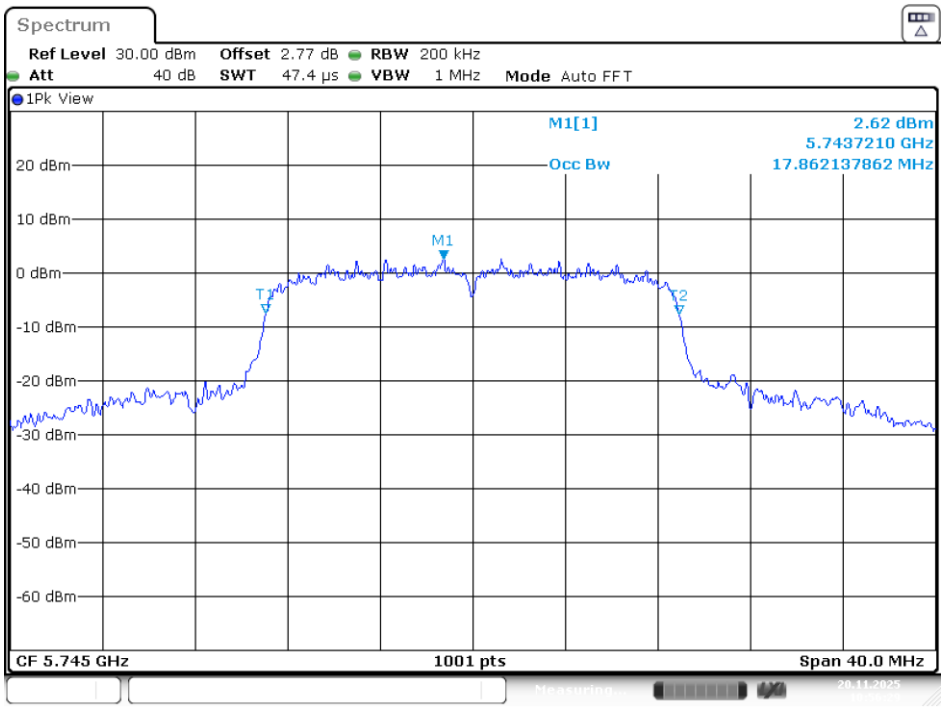
5825MHz



Date: 20.NOV.2025 17:32:58

802.11 n20 Mode / 5725 ~ 5850MHz

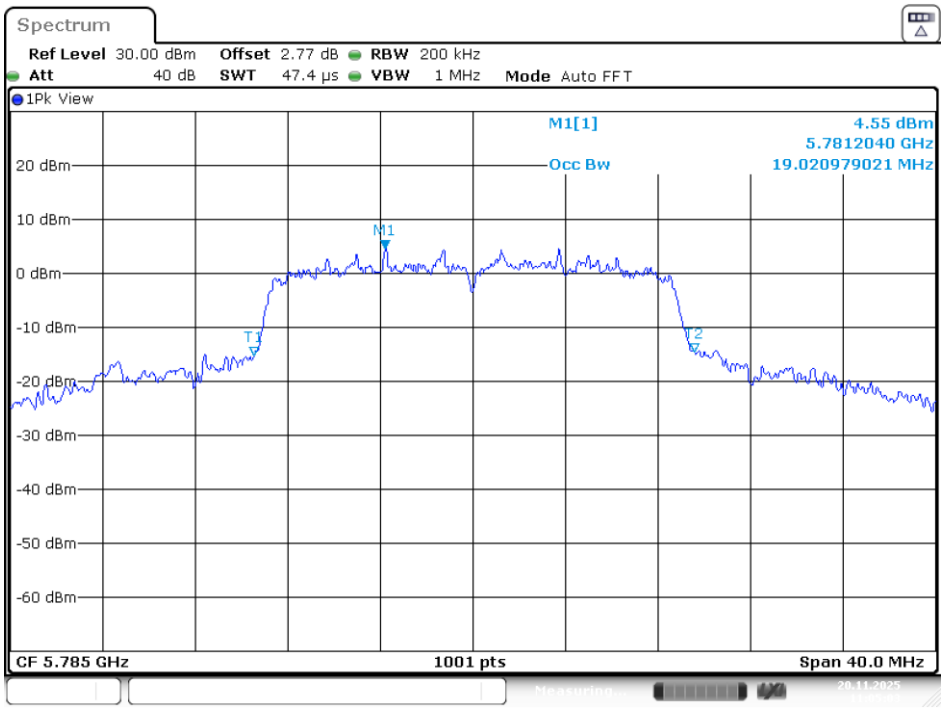
5745MHz



Date: 20.NOV.2025 10:56:29

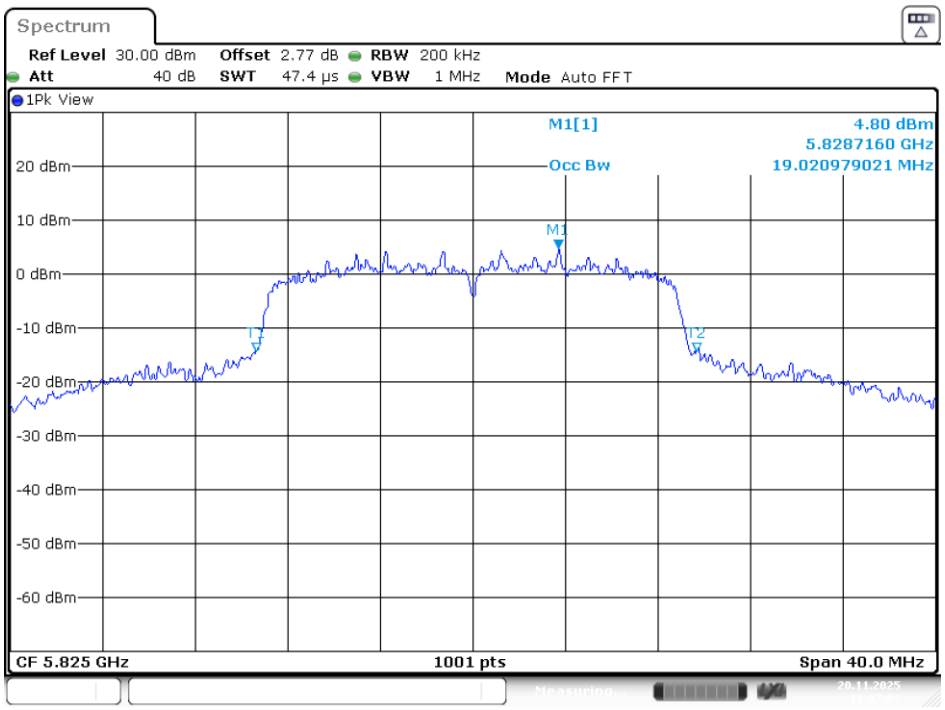
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5785MHz



Date: 20.NOV.2025 11:05:04

5825MHz

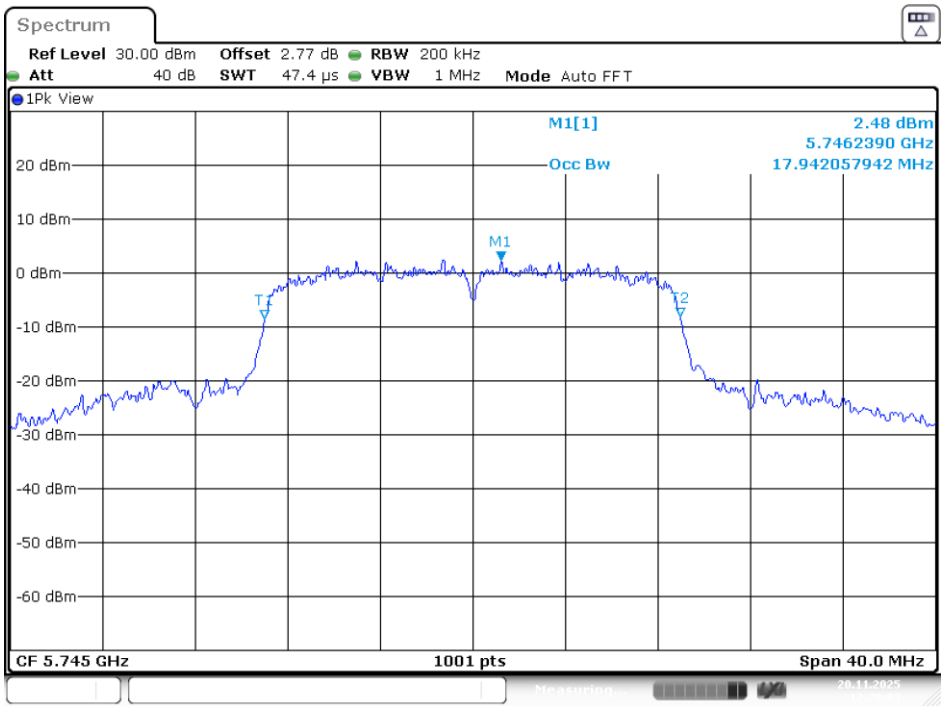


Date: 20.NOV.2025 11:07:03

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

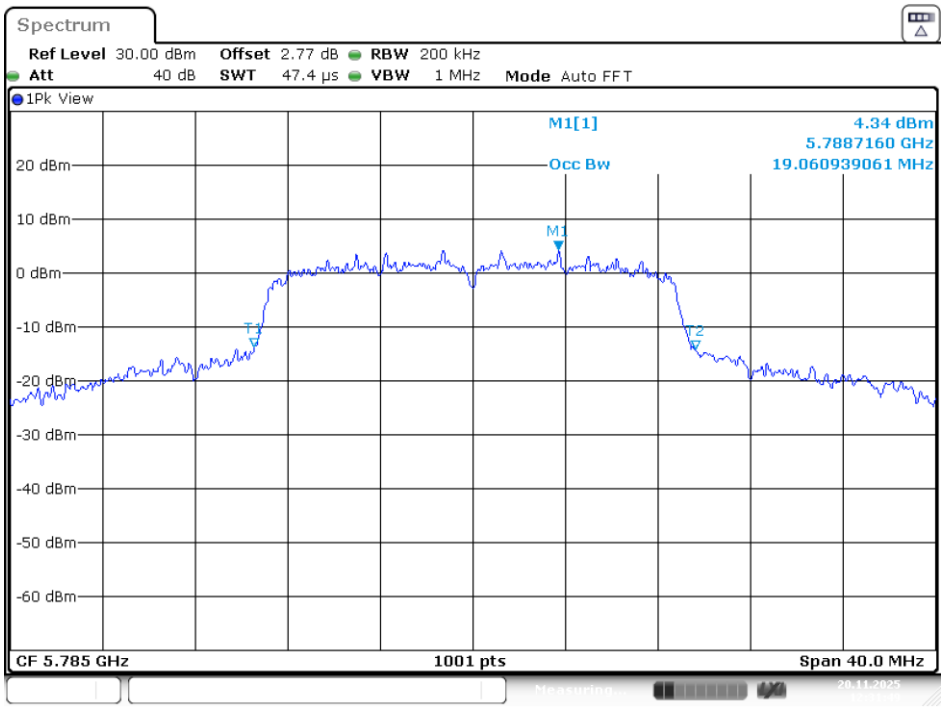
802.11 ac20 Mode / 5725 ~ 5850MHz

5745MHz



Date: 20.NOV.2025 12:28:04

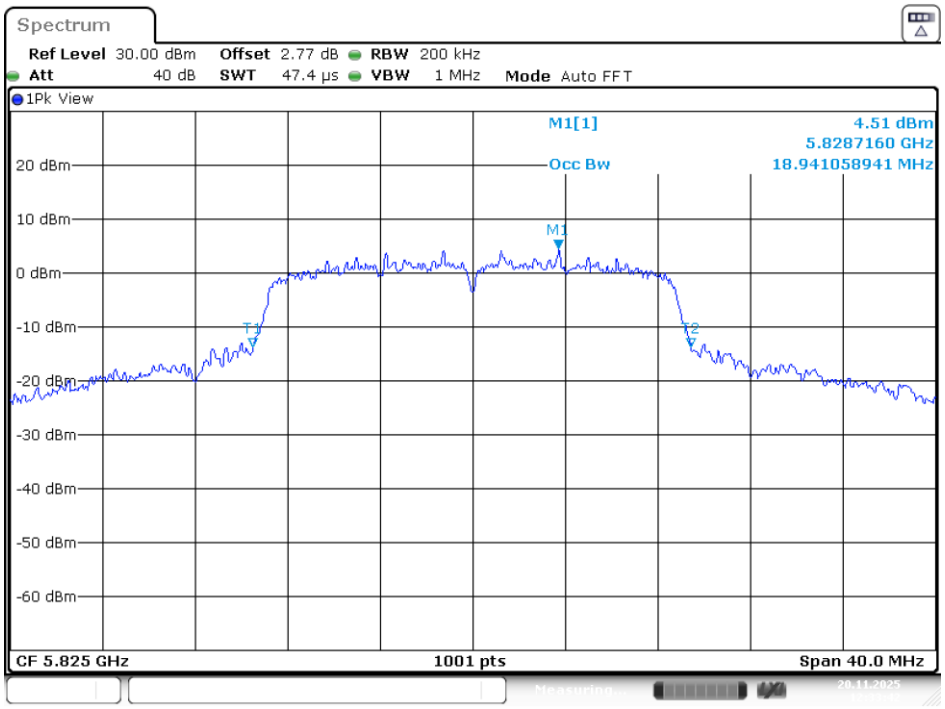
5785MHz



Date: 20.NOV.2025 12:31:48

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

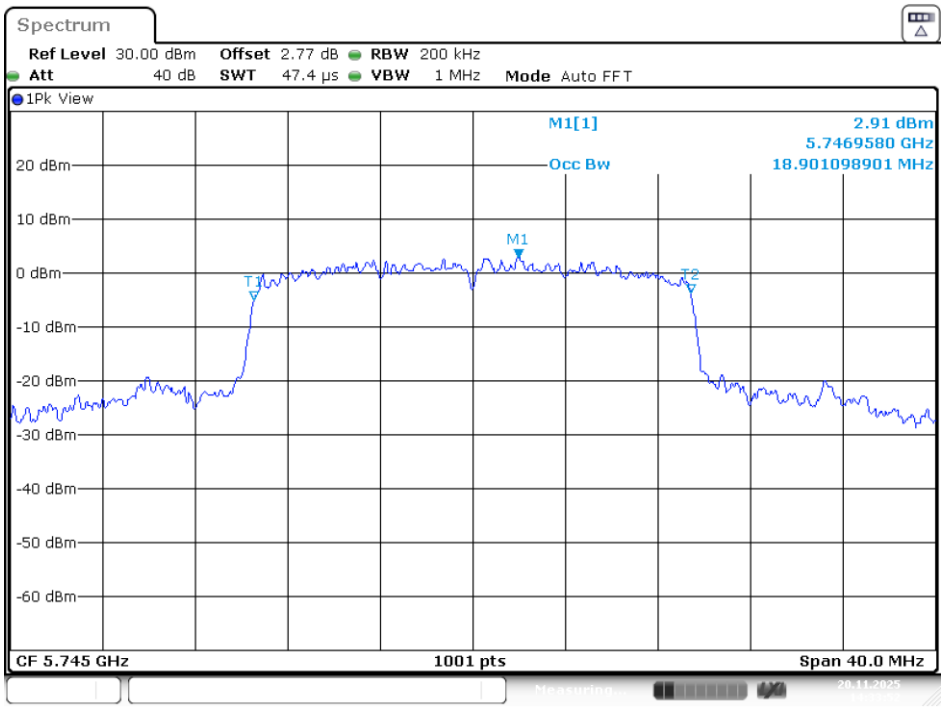
5825MHz



Date: 20.NOV.2025 12:33:42

802.11 ax20 Mode / 5725 ~ 5850MHz

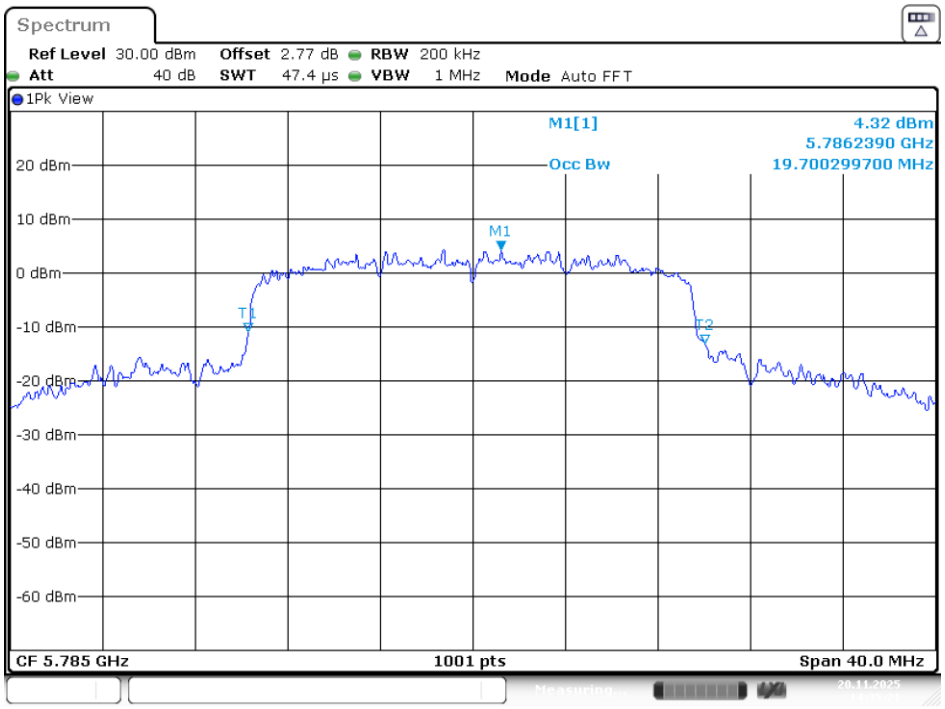
5745MHz



Date: 20.NOV.2025 14:33:52

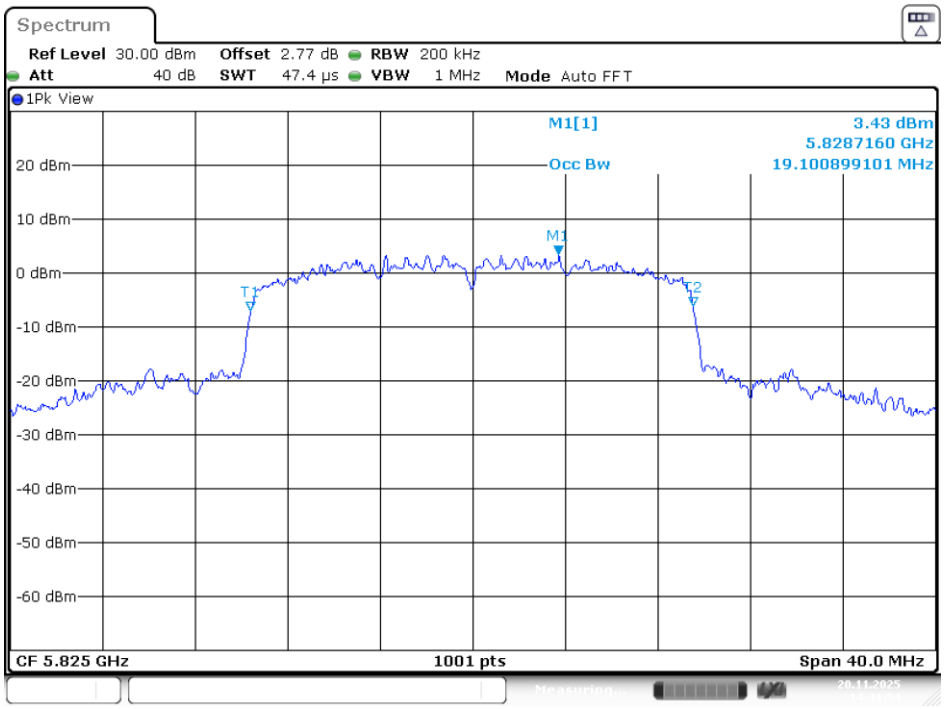
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5785MHz



Date: 20.NOV.2025 14:35:22

5825MHz



Date: 20.NOV.2025 14:41:54

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

9 FCC §15.407(a) – Maximum Output Power

9.1 Applicable Standard

According to FCC §15.407(a):

For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over thefrequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral densityshall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gaingreater than 6 dBi are used, both the maximum conducted output power and the maximum powerspectral density shall bereduced by the amount in dB that the directional gain of the antennaexceeds 6 dBi

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

9.2 Test Procedure

According to ANSI C63.10-2020+Cor.1-2023 Section 12.4.3.1

The use Power Meter

1. Place the EUT on a bench and set it in transmitting mode.

2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to a Power sensor.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

9.3 Test Results

Test Mode: Transmitting

Test EUT Mode : RRQ61051-009

UNII-1 Band I 5150~5250 MHz

Test Modes	Channel	Frequency (MHz)	Maximum Conducted Average Output Power (dBm)	Duty Factor (dB)	Total Maximum Conducted Average Output Power With Duty Factor (dBm)	For Client devices Limit (dBm)	For Master devices Limit (dBm)
802.11a	36	5180	15.28	0.18	15.46	24	30
	40	5200	15.36	0.18	15.54	24	30
	48	5240	14.28	0.18	14.46	24	30
802.11 n20	36	5180	15.48	0.41	15.89	24	30
	40	5200	15.49	0.41	15.90	24	30
	48	5240	14.40	0.41	14.81	24	30
802.11 ac20	36	5180	15.43	0	15.43	24	30
	40	5200	15.31	0	15.31	24	30
	48	5240	14.29	0	14.29	24	30
802.11 ax20	36	5180	15.29	0	15.29	24	30
	40	5200	15.18	0	15.18	24	30
	48	5240	14.07	0	14.07	24	30

Note: Device can support both roles master and client device.

Max EIRP Power = 20.3 (dBm) < 21 (dBm)

UNII-2A Band II 5250~5350 MHz

Test Modes	Channel	Frequency (MHz)	Maximum Conducted Average Output Power (dBm)	Duty Factor (dB)	Total Maximum Conducted Average Output Power With Duty Factor (dBm)	Limit (dBm)
802.11a	52	5260	16.78	0.18	16.96	24
	60	5300	16.77	0.18	16.95	24
	64	5320	15.57	0.18	15.75	24
802.11 n20	52	5260	16.45	0.41	16.86	24
	60	5300	16.47	0.41	16.88	24
	64	5320	14.79	0.41	15.20	24
802.11 ac20	52	5260	15.84	0	15.84	24
	60	5300	15.85	0	15.85	24
	64	5320	14.44	0	14.44	24
802.11 ax20	52	5260	15.10	0	15.10	24
	60	5300	15.14	0	15.14	24
	64	5320	13.41	0	13.41	24

Note: The device in DFS channels is a client device.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

UNII-2C Band III 5470~5725 MHz

Test Modes	Channel	Frequency (MHz)	Maximum Conducted Average Output Power (dBm)	Duty Factor (dB)	Total Maximum Conducted Average Output Power With Duty Factor (dBm)	Limit (dBm)
802.11a	100	5500	16.00	0.18	16.18	24
	116	5580	16.10	0.18	16.28	24
	136	5680	14.30	0.18	14.48	24
	140	5700	8.15	0.18	8.33	24
802.11 n20	100	5500	16.07	0.41	16.48	24
	116	5580	16.52	0.41	16.93	24
	136	5680	14.65	0.41	15.06	24
	140	5700	7.82	0.41	8.23	24
802.11 ac20	100	5500	15.67	0	15.67	24
	116	5580	16.53	0	16.53	24
	136	5680	14.01	0	14.01	24
	140	5700	7.32	0	7.32	24
802.11 ax20	100	5500	15.50	0	15.50	24
	116	5580	16.23	0	16.23	24
	136	5680	14.62	0	14.62	24
	140	5700	8.03	0	8.03	24

The device in DFS channels is a client device.

UNII-3 Band IV 5725~5850 MHz

Test Modes	Channel	Frequency (MHz)	Maximum Conducted Average Output Power (dBm)	Duty Factor (dB)	Total Maximum Conducted Average Output Power With Duty Factor (dBm)	Limit (dBm)
802.11a	149	5745	13.27	0.18	13.45	30
	157	5785	14.31	0.18	14.49	30
	165	5825	14.13	0.18	14.31	30
802.11 n20	149	5745	13.26	0.41	13.67	30
	157	5785	14.42	0.41	14.83	30
	165	5825	14.28	0.41	14.69	30
802.11 ac20	149	5745	13.26	0	13.26	30
	157	5785	14.28	0	14.28	30
	165	5825	13.96	0	13.96	30
802.11 ax20	149	5745	13.14	0	13.14	30
	157	5785	14.26	0	14.26	30
	165	5825	14.08	0	14.08	30

Note: Device can support both roles master and client device.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

Test EUT Mode : RRQ61051-010

UNII-1 Band I 5150~5250 MHz

Test Modes	Channel	Frequency (MHz)	Maximum Conducted Average Output Power (dBm)	Duty Factor (dB)	Total Maximum Conducted Average Output Power With Duty Factor (dBm)	For Client devices Limit (dBm)	For Master devices Limit (dBm)
802.11a	36	5180	15.24	0.18	15.46	24	30
	40	5200	15.27	0.18	15.49	24	30
	48	5240	14.18	0.18	14.40	24	30
802.11 n20	36	5180	15.35	0.41	15.76	24	30
	40	5200	15.44	0.41	15.85	24	30
	48	5240	14.01	0.41	14.42	24	30
802.11 ac20	36	5180	15.15	0	15.15	24	30
	40	5200	15.98	0	15.98	24	30
	48	5240	14.48	0	14.48	24	30
802.11 ax20	36	5180	15.15	0	15.15	24	30
	40	5200	15.01	0	15.01	24	30
	48	5240	13.97	0	13.97	24	30

Note: Device can support both roles master and client device.

Max EIRP Power = 20.55 (dBm) < 21 (dBm)

UNII-2A Band II 5250~5350 MHz

Test Modes	Channel	Frequency (MHz)	Maximum Conducted Average Output Power (dBm)	Duty Factor (dB)	Total Maximum Conducted Average Output Power With Duty Factor (dBm)	Limit (dBm)
802.11a	52	5260	15.91	0.18	16.13	24
	60	5300	16.11	0.18	16.33	24
	64	5320	15.03	0.18	15.25	24
802.11 n20	52	5260	15.52	0.41	15.93	24
	60	5300	15.55	0.41	15.96	24
	64	5320	14.61	0.41	15.02	24
802.11 ac20	52	5260	15.87	0	15.87	24
	60	5300	15.92	0	15.92	24
	64	5320	13.96	0	13.96	24
802.11 ax20	52	5260	14.78	0	14.78	24
	60	5300	14.57	0	14.57	24
	64	5320	12.83	0	12.83	24

Note: The device in DFS channels is a client device.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

UNII-2C Band III 5470~5725 MHz

Test Modes	Channel	Frequency (MHz)	Maximum Conducted Average Output Power (dBm)	Duty Factor (dB)	Total Maximum Conducted Average Output Power With Duty Factor (dBm)	Limit (dBm)
802.11a	100	5500	15.18	0.18	15.40	24
	116	5580	15.37	0.18	15.59	24
	136	5680	14.51	0.18	14.69	24
	140	5700	9.02	0.18	9.20	24
802.11 n20	100	5500	15.78	0.41	16.19	24
	116	5580	15.34	0.41	15.75	24
	136	5580	14.33	0.41	14.74	24
	140	5700	8.82	0.41	9.23	24
802.11 ac20	100	5500	14.25	0	14.25	24
	116	5580	15.49	0	15.49	24
	136	5680	14.61	0	14.61	24
	140	5700	8.13	0	8.13	24
802.11 ax20	100	5500	15.49	0	15.49	24
	116	5580	15.81	0	15.81	24
	136	5680	14.51	0	14.51	24
	140	5700	8.98	0	8.98	24

The device in DFS channels is a client device.

UNII-3 Band IV 5725~5850 MHz

Test Modes	Channel	Frequency (MHz)	Maximum Conducted Average Output Power (dBm)	Duty Factor (dB)	Total Maximum Conducted Average Output Power With Duty Factor (dBm)	Limit (dBm)
802.11a	149	5745	13.22	0.18	13.44	30
	157	5785	14.21	0.18	14.43	30
	165	5825	14.06	0.18	14.28	30
802.11 n20	149	5745	12.81	0.41	13.22	30
	157	5785	14.26	0.41	14.67	30
	165	5825	14.13	0.41	14.54	30
802.11 ac20	149	5745	13.13	0	13.13	30
	157	5785	14.14	0	14.14	30
	165	5825	13.84	0	13.84	30
802.11 ax20	149	5745	13.07	0	13.07	30
	157	5785	14.17	0	14.17	30
	165	5825	14.01	0	14.01	30

Note: Device can support both roles master and client device.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

10 FCC §15.407(a) – Power Spectral Density

10.1 Applicable Standard

According to FCC §15.407(a):

For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over thefrequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral densityshall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gaingreater than 6 dBi are used, both the maximum conducted output power and the maximum powerspectral density shall bereduced by the amount in dB that the directional gain of the antennaexceeds 6 dBi

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

10.2 Test Procedure

The measurements are base on FCC KDB 789033 D02 General UNII Test Procedyres New Rules v02r01: Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices section F: Maximum power spectral density.

Duty cycle <98%, duty cycle variations are less than ±2%

Method SA-2 was used.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

10.3 Test Results

Test Mode: Transmitting

UNII-1 Band I 5150~5250 MHz

Mode	Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density with duty factor (dBm/MHz)	For Client devices Limit (dBm/MHz)	For Master devices Limit (dBm/MHz)
802.11 a	36	5180	3.25	0.18	3.43	11	17
	40	5200	3.28	0.18	3.46	11	17
	48	5240	1.77	0.18	1.95	11	17
802.11 n20	36	5180	2.3	0.41	2.71	11	17
	40	5200	2.67	0.41	3.08	11	17
	48	5240	1.00	0.41	1.41	11	17
802.11 ac20	36	5180	3.53	0.00	3.53	11	17
	40	5200	3.58	0.00	3.58	11	17
	48	5240	2.30	0.00	2.30	11	17
802.11 ax20	36	5180	3.29	0.00	3.29	11	17
	40	5200	3.25	0.00	3.25	11	17
	48	5240	1.94	0.00	1.94	11	17

UNII-2A Band II 5250~5350 MHz

Mode	Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density with duty factor (dBm/MHz)	Limit (dBm/MHz)
802.11a	52	5260	3.29	0.18	3.47	11
	60	5300	3.62	0.18	3.8	11
	64	5320	2.11	0.18	2.29	11
802.11 n20	52	5260	2.60	0.41	3.01	11
	60	5300	2.50	0.41	2.91	11
	64	5320	1.08	0.41	1.49	11
802.11 ac20	52	5260	3.78	0	3.78	11
	60	5300	3.78	0	3.78	11
	64	5320	2.23	0	2.23	11
802.11 ax20	52	5260	3.24	0	3.24	11
	60	5300	3.29	0	3.29	11
	64	5320	2.19	0	2.19	11

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

UNII-2C Band III 5470~5725 MHz

Mode	Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density with duty factor (dBm/MHz)	Limit (dBm/MHz)
802.11a	100	5500	2.72	0.18	2.90	11
	116	5580	2.51	0.18	2.69	11
	136	5680	1.89	0.18	2.07	11
	140	5700	-3.27	0.18	-3.09	11
802.11 n20	100	5500	3.89	0.41	4.30	11
	116	5580	3.50	0.41	3.91	11
	136	5680	1.61	0.41	2.02	11
	140	5700	-3.83	0.41	-3.42	11
802.11 ac20	100	5500	4.09	0.00	4.09	11
	116	5580	3.85	0.00	3.85	11
	136	5680	1.90	0.00	1.90	11
	140	5700	-4.28	0.00	-4.28	11
802.11 ax20	100	5500	3.77	0.00	3.77	11
	116	5580	3.32	0.00	3.32	11
	136	5680	1.97	0.00	1.97	11
	140	5700	-3.71	0.00	-3.71	11

UNII-3 Band IV 5725~5850 MHz

Mode	Channel	Frequency (MHz)	Power Spectral Density (dBm/500kHz)	Duty Factor (dB)	Power Spectral Density with duty factor (dBm/500kHz)	Limit (dBm/500kHz)
802.11a	149	5745	1.12	0.18	1.30	30
	157	5785	2.47	0.18	2.65	30
	165	5825	2.13	0.18	2.31	30
802.11 n20	149	5745	0.72	0.41	1.13	30
	157	5785	1.87	0.41	2.28	30
	165	5825	1.55	0.41	1.96	30
802.11 ac20	149	5745	1.06	0.00	1.06	30
	157	5785	2.07	0.00	2.07	30
	165	5825	2.11	0.00	2.11	30
802.11 ax20	149	5745	0.79	0.00	0.79	30
	157	5785	1.50	0.00	1.50	30
	165	5825	1.53	0.00	1.53	30

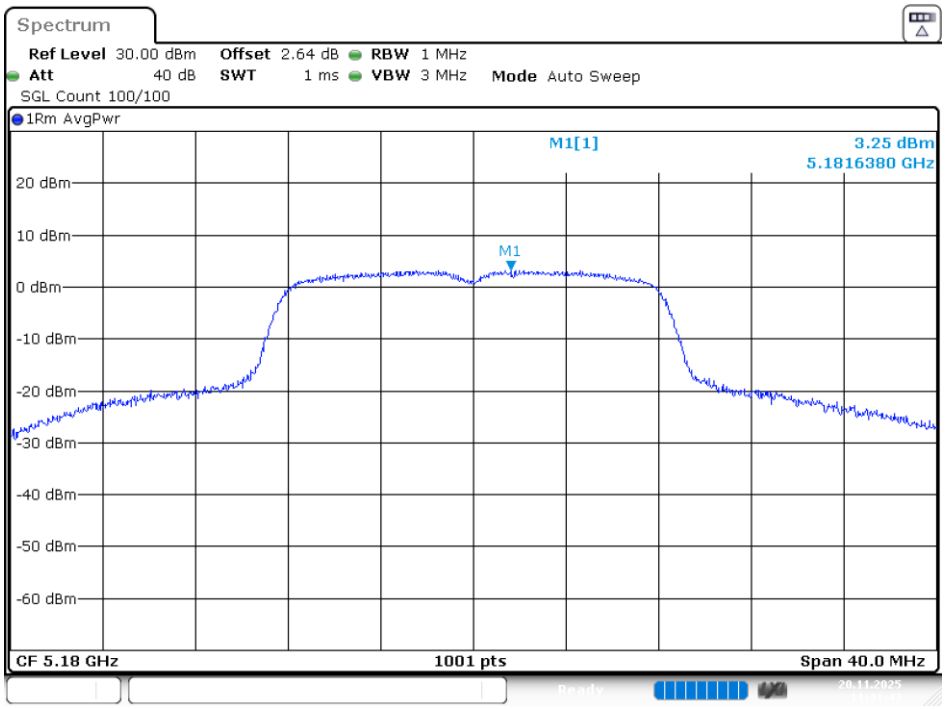
Please refer to the following plots

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

UNII-1 Band I / PSD

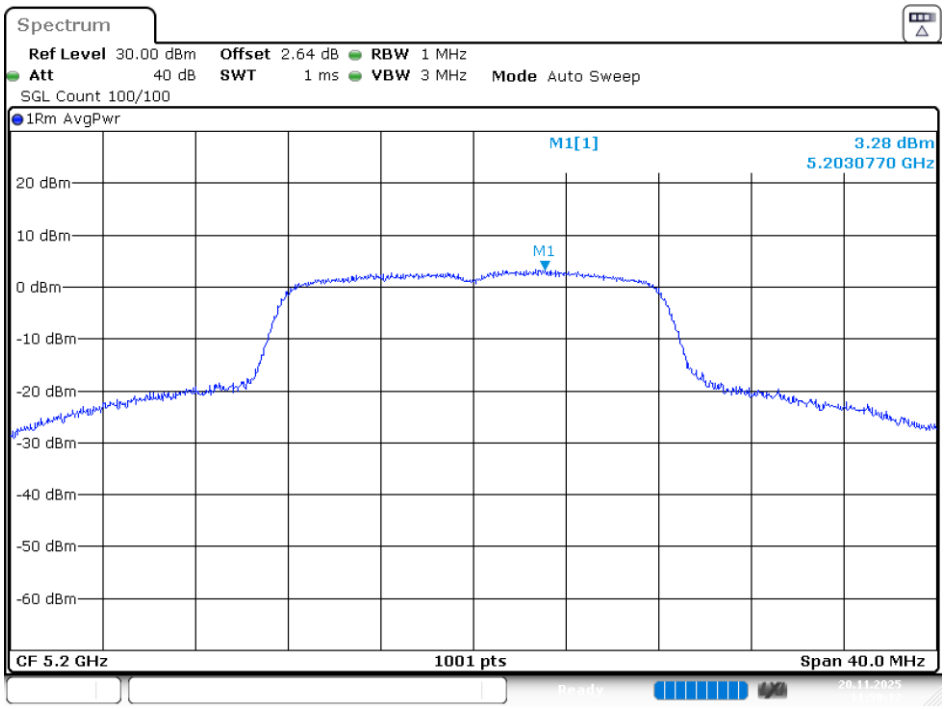
802.11a Mode / 5150 ~ 5250MHz

5180MHz



Date: 20.NOV.2025 11:41:43

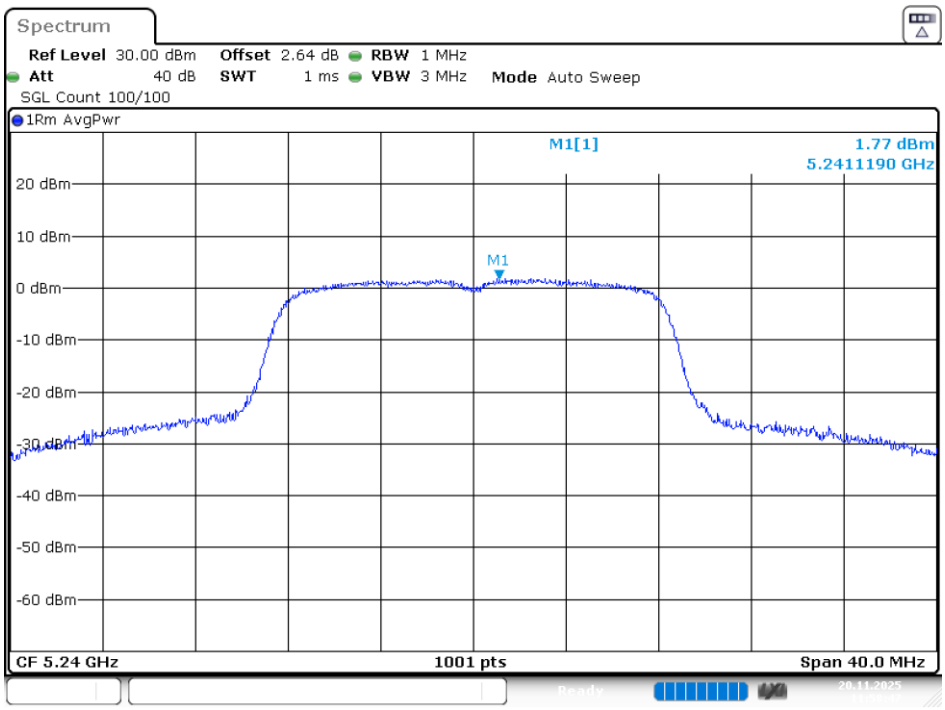
5200MHz



Date: 20.NOV.2025 11:50:12

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

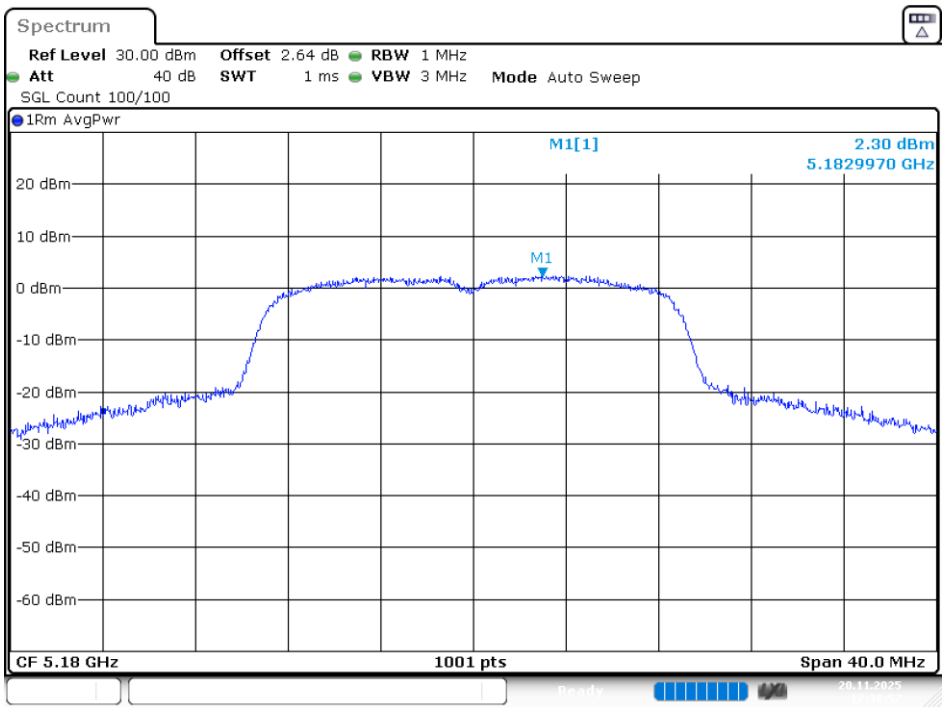
5240MHz



Date: 20.NOV.2025 11:58:48

802.11 n20 Mode / 5150 ~ 5250MHz

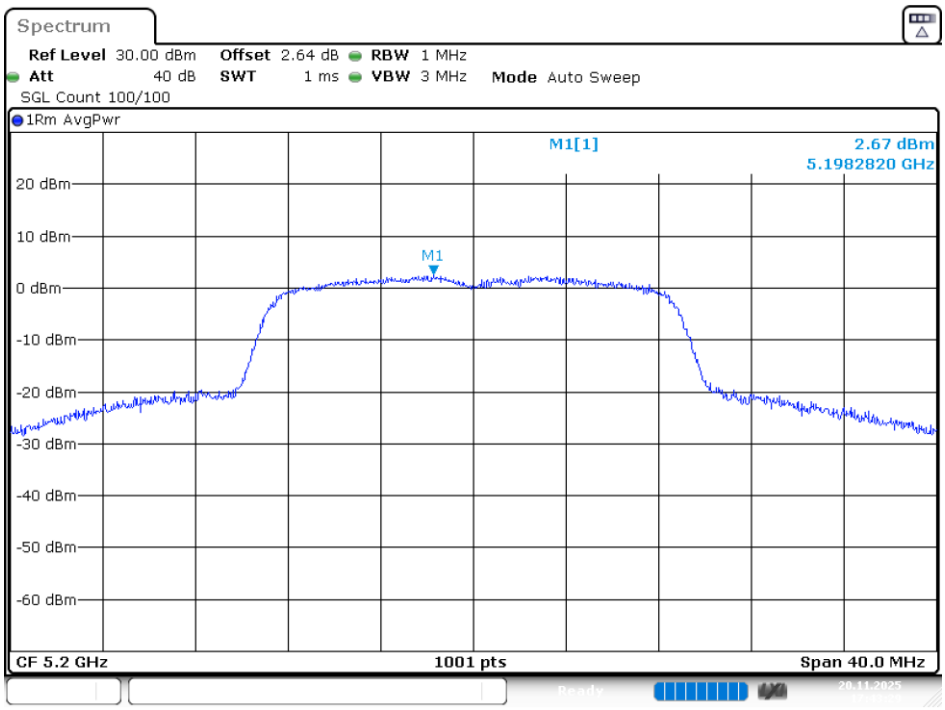
5180MHz



Date: 20.NOV.2025 17:38:57

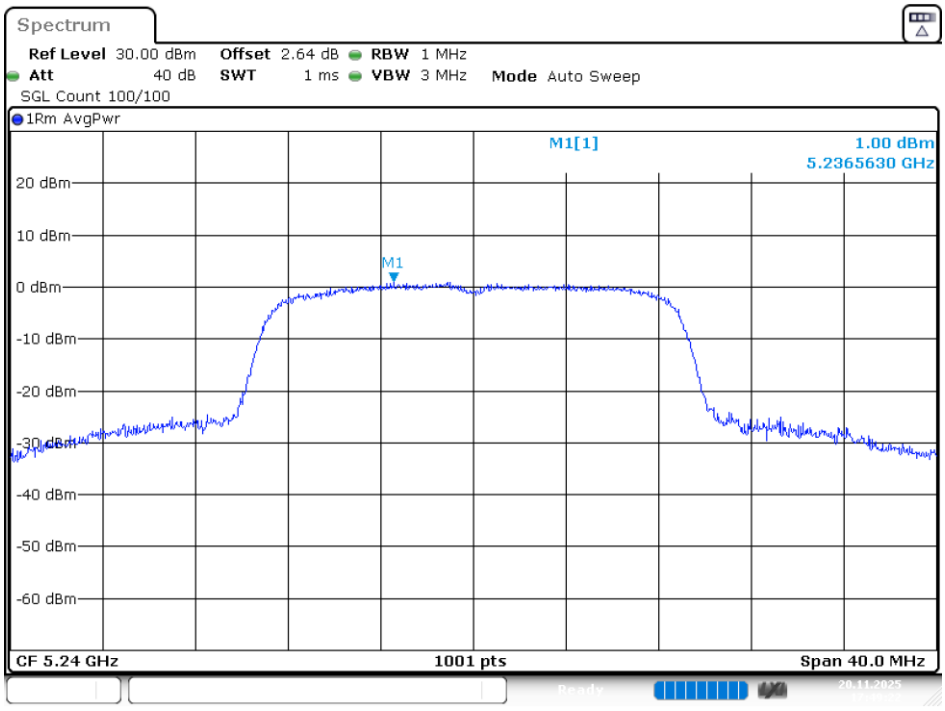
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5200MHz



Date: 20.NOV.2025 17:43:30

5240MHz

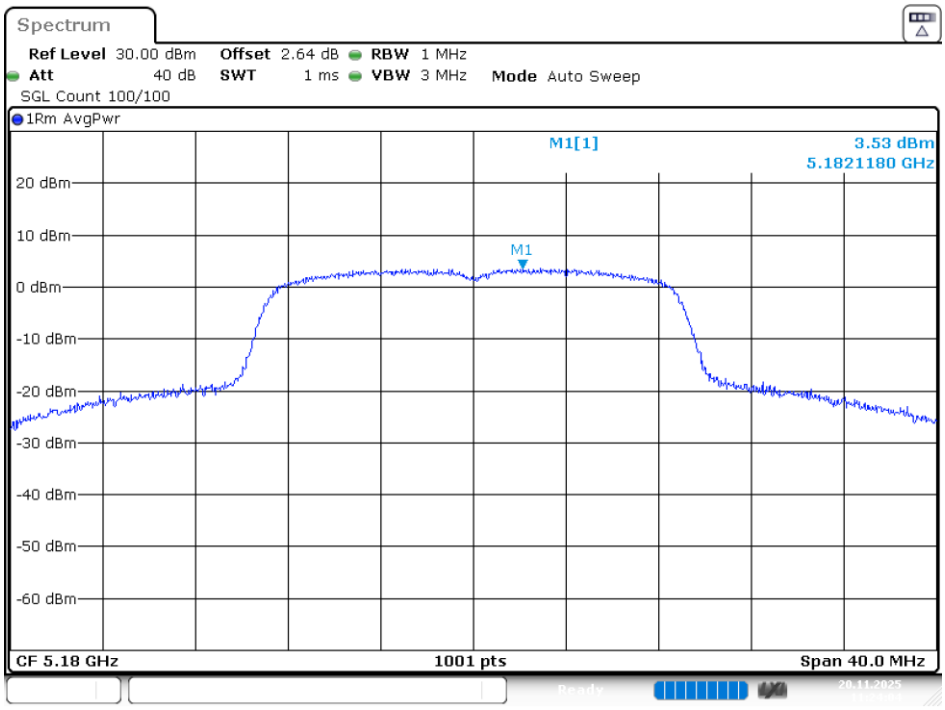


Date: 20.NOV.2025 17:49:22

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

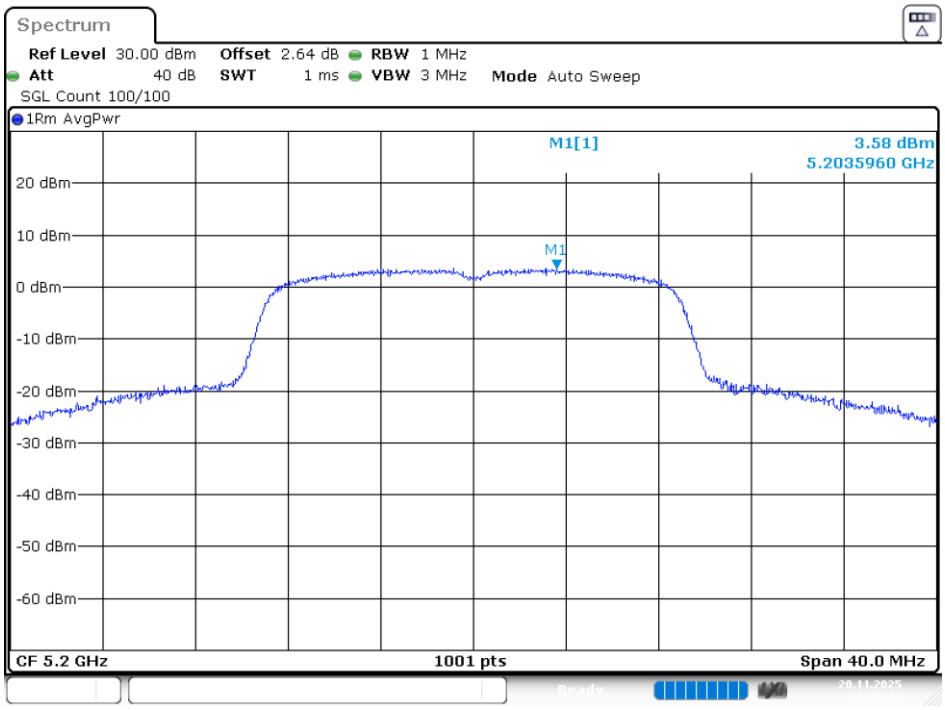
802.11 ac20 Mode / 5150 ~ 5250MHz

5180MHz



Date: 20.NOV.2025 11:24:04

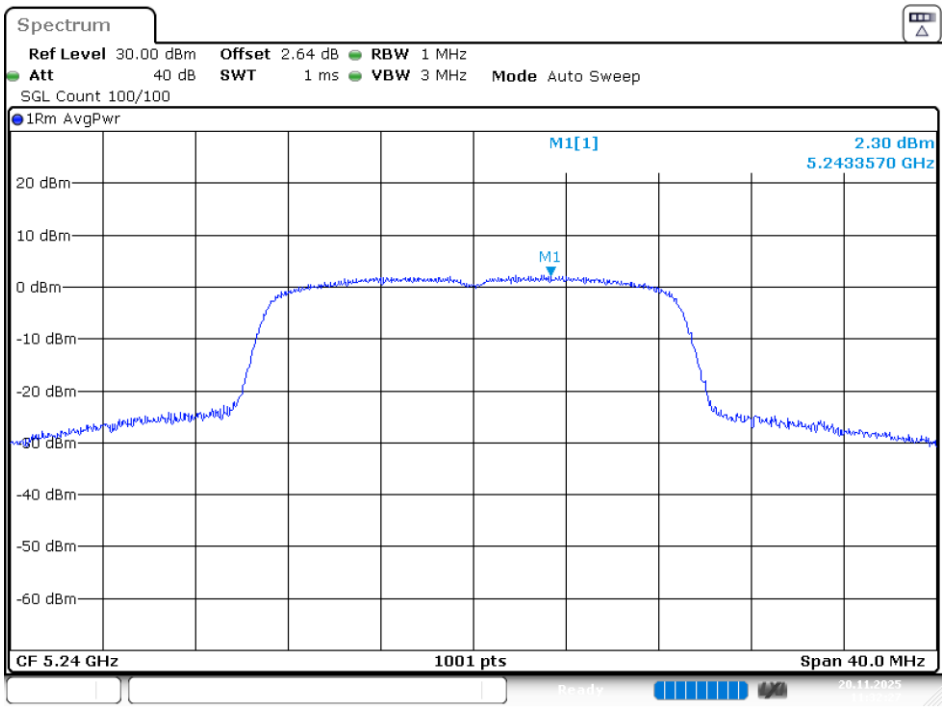
5200MHz



Date: 20.NOV.2025 11:27:44

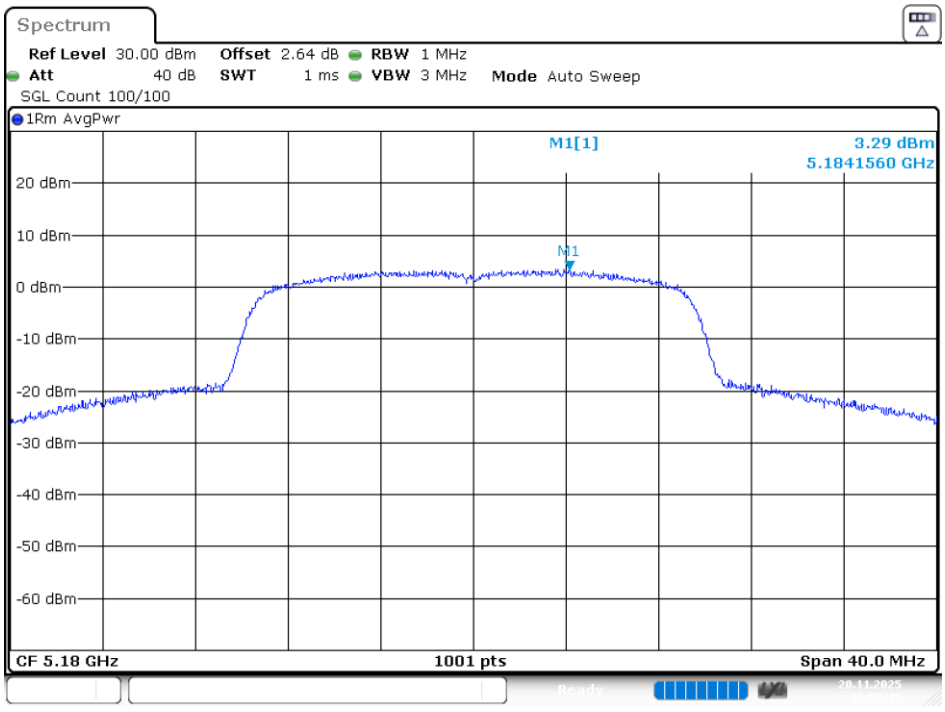
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5240MHz



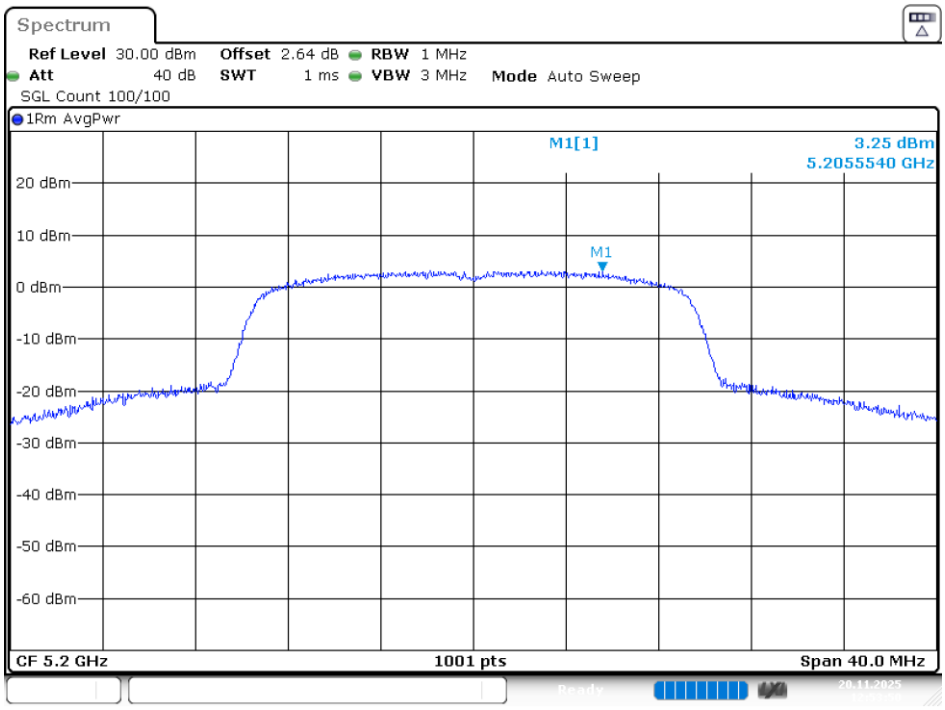
802.11 ax20 Mode / 5150 ~ 5250MHz

5180MHz



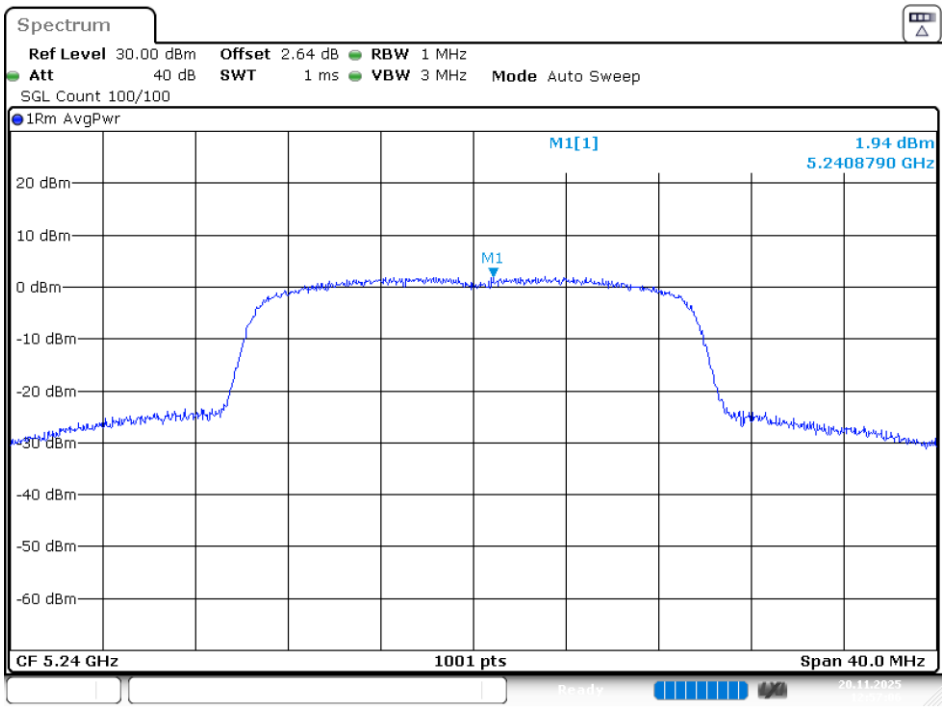
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5200MHz



Date: 20.NOV.2025 12:53:50

5240MHz



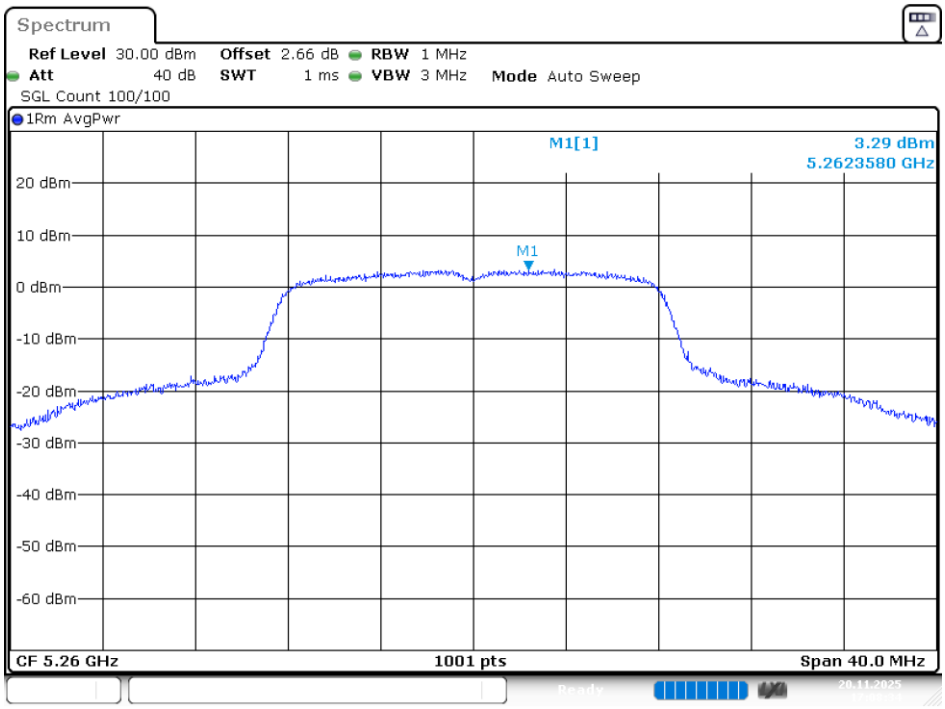
Date: 20.NOV.2025 12:57:07

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

UNII-2A Band II / PSD

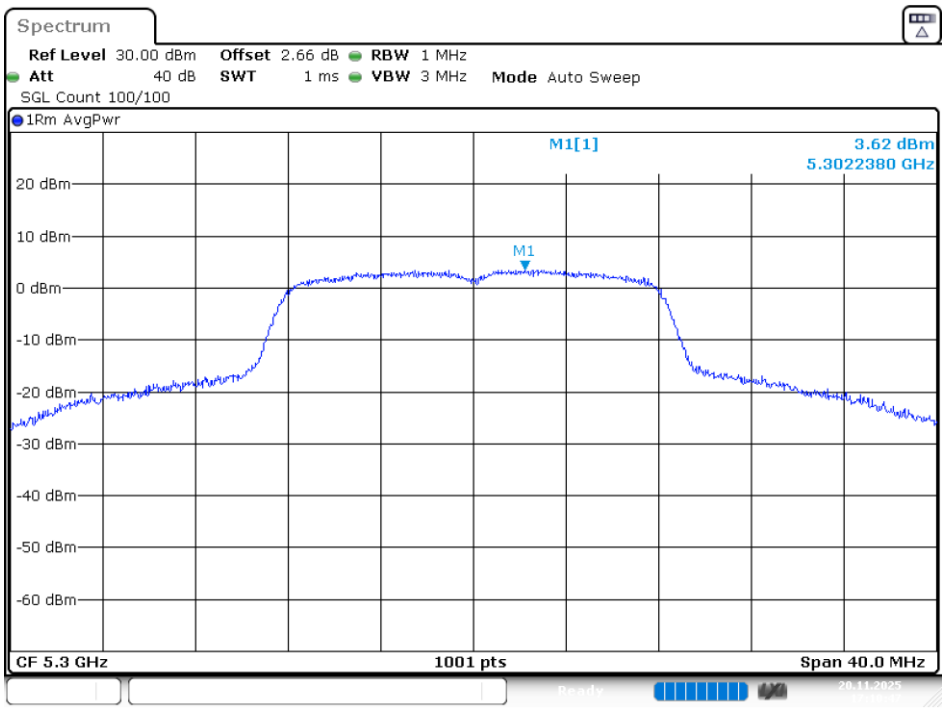
802.11a Mode / 5250 ~ 5350MHz

5260MHz



Date: 20.NOV.2025 17:08:35

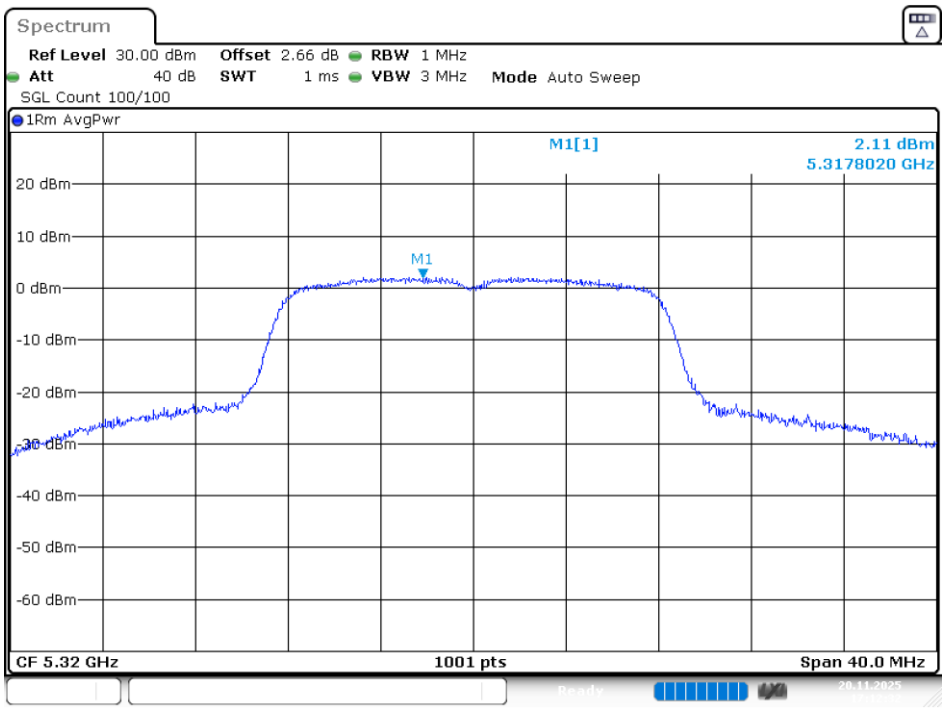
5300MHz



Date: 20.NOV.2025 17:10:48

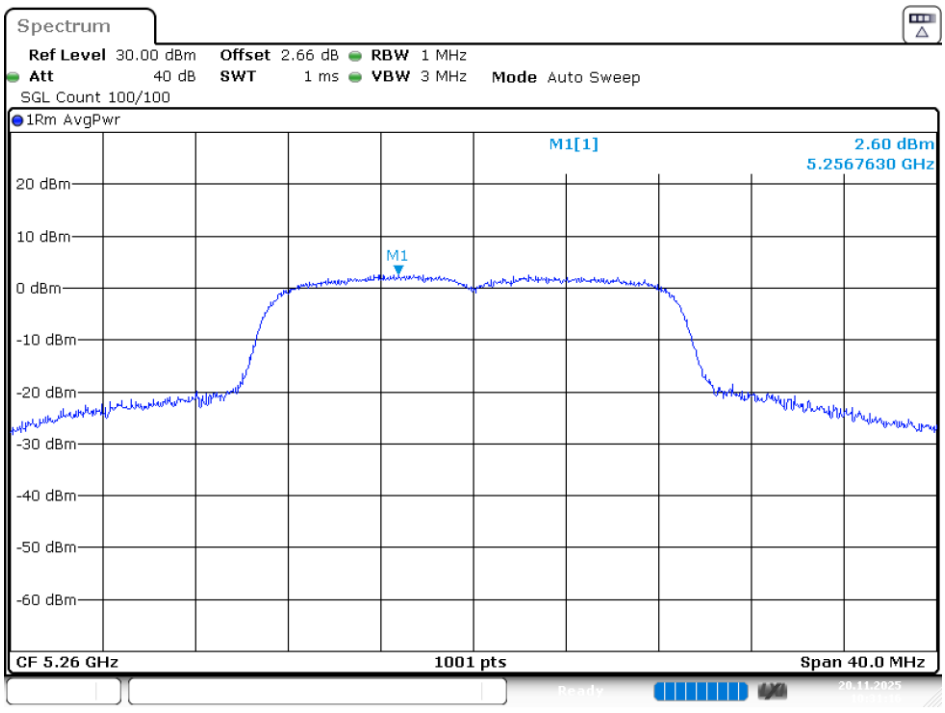
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5320MHz



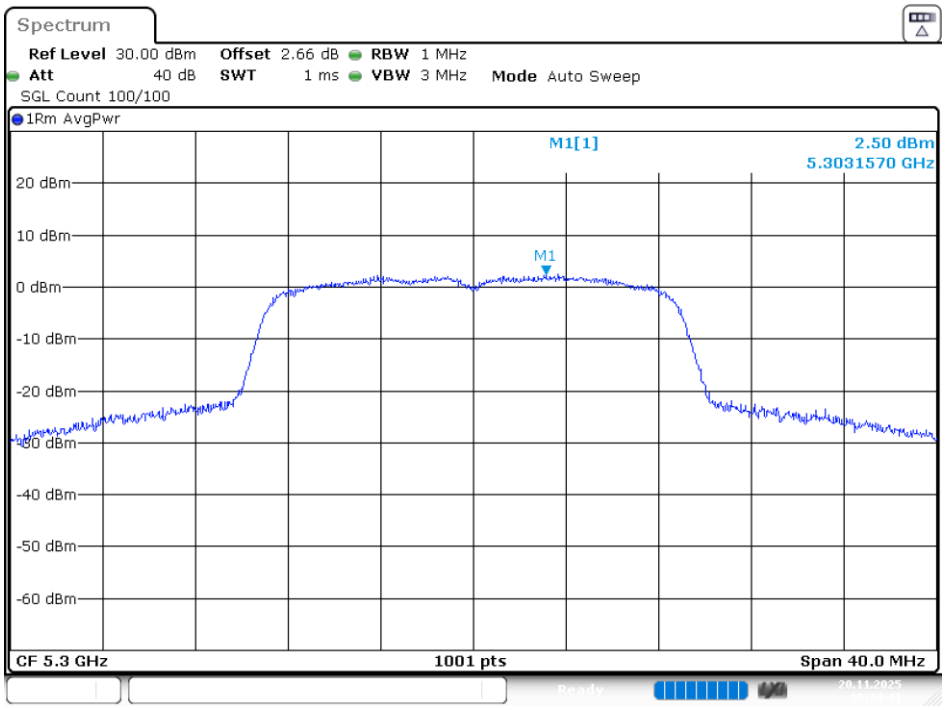
802.11 n20 Mode / 5250 ~ 5350MHz

5260MHz



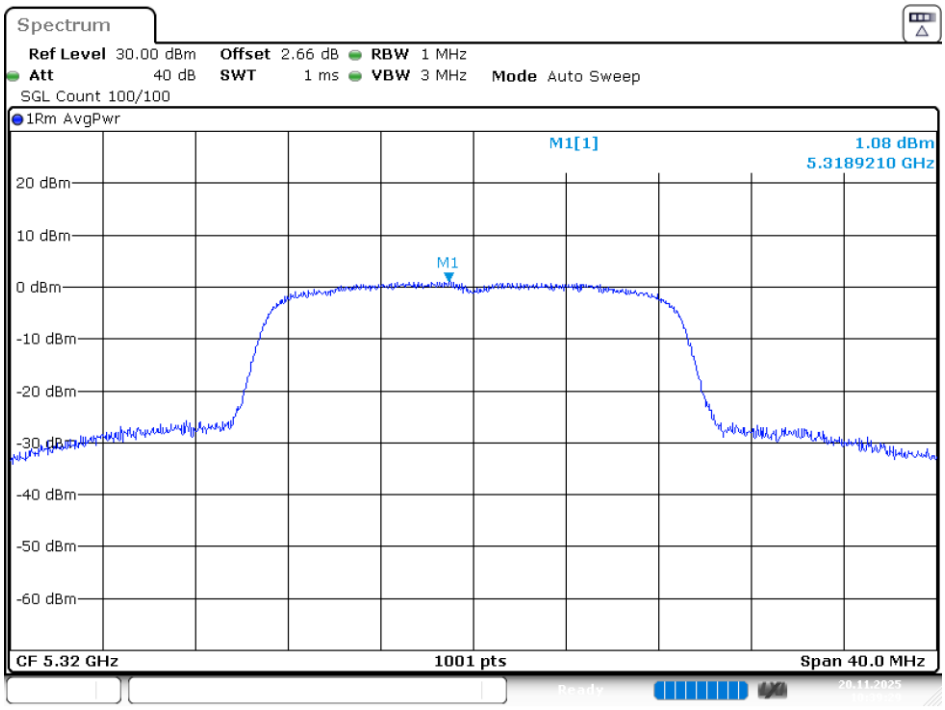
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5300MHz



Date: 20.NOV.2025 10:34:41

5320MHz

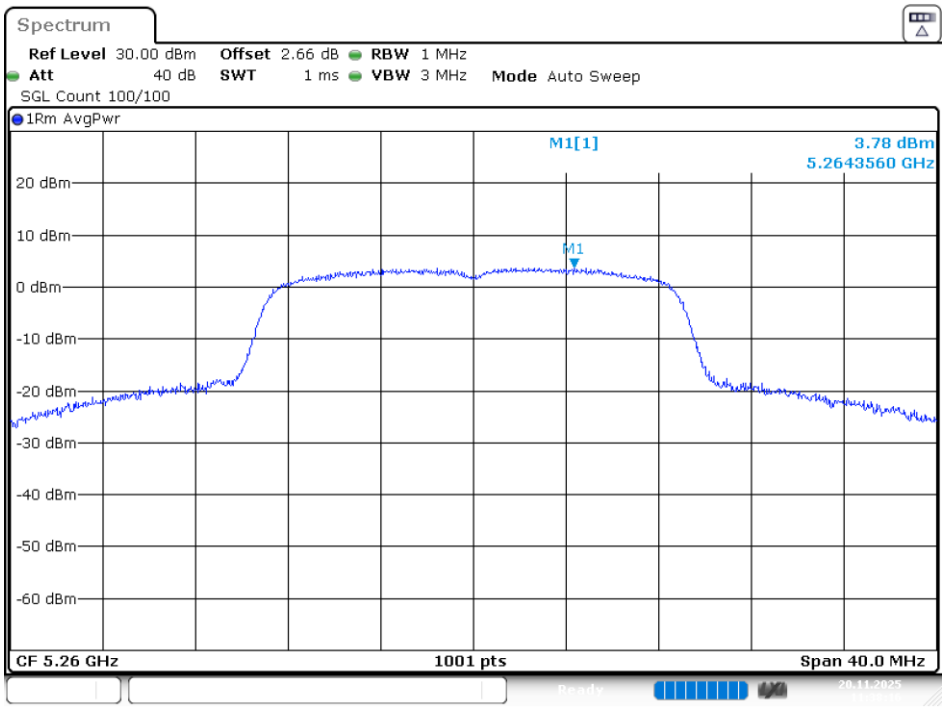


Date: 20.NOV.2025 10:39:29

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

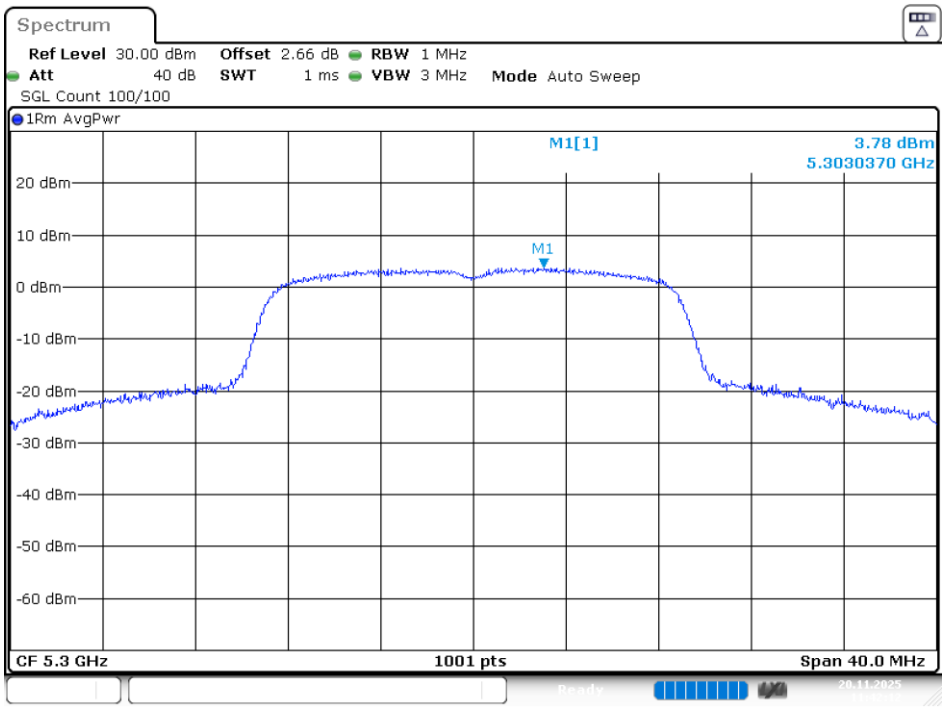
802.11 ac20 Mode / 5250 ~ 5350MHz

5260MHz



Date: 20.NOV.2025 11:38:16

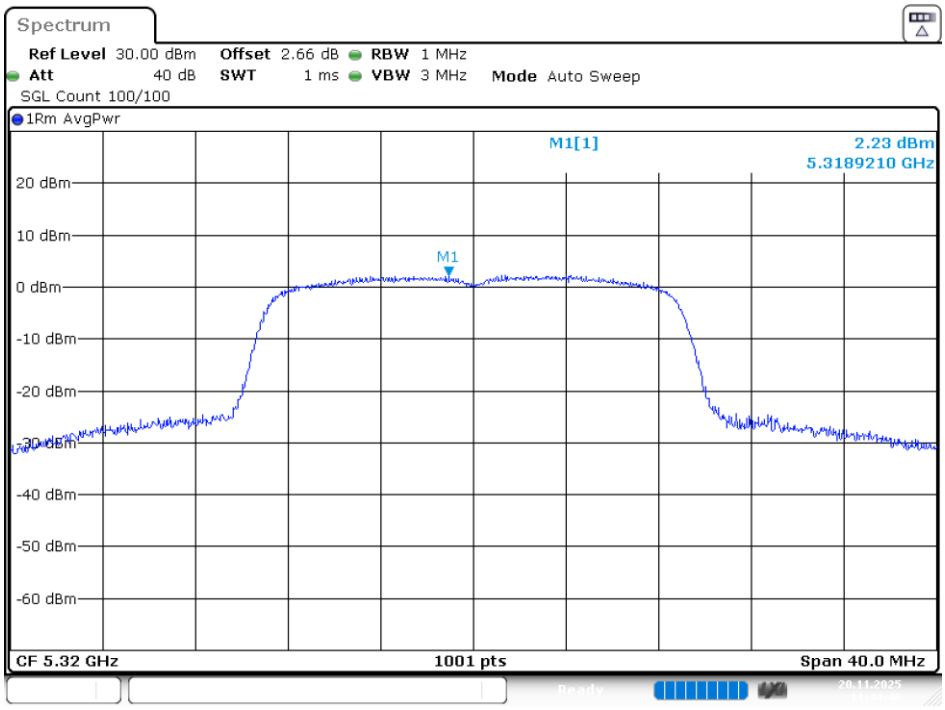
5300MHz



Date: 20.NOV.2025 11:42:12

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

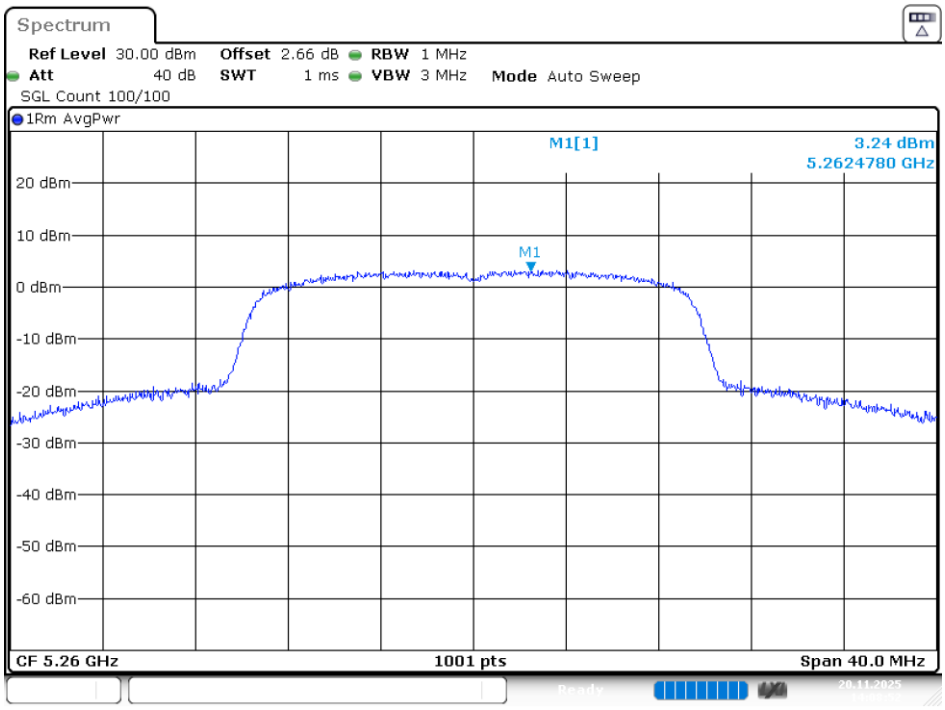
5320MHz



Date: 20.NOV.2025 11:44:46

802.11 ax20 Mode / 5250 ~ 5350MHz

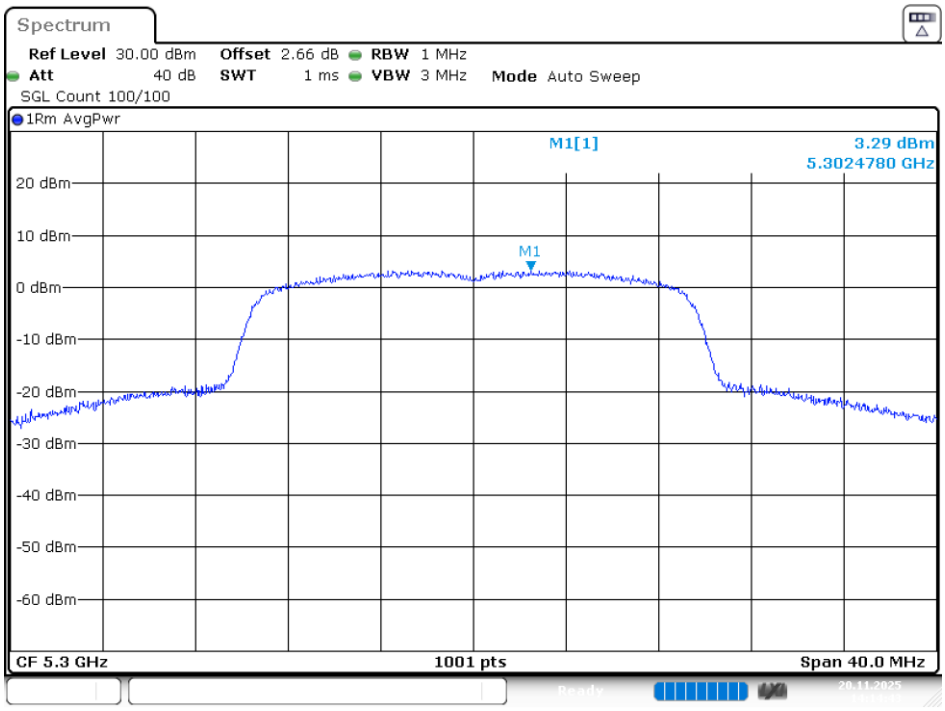
5260MHz



Date: 20.NOV.2025 14:08:52

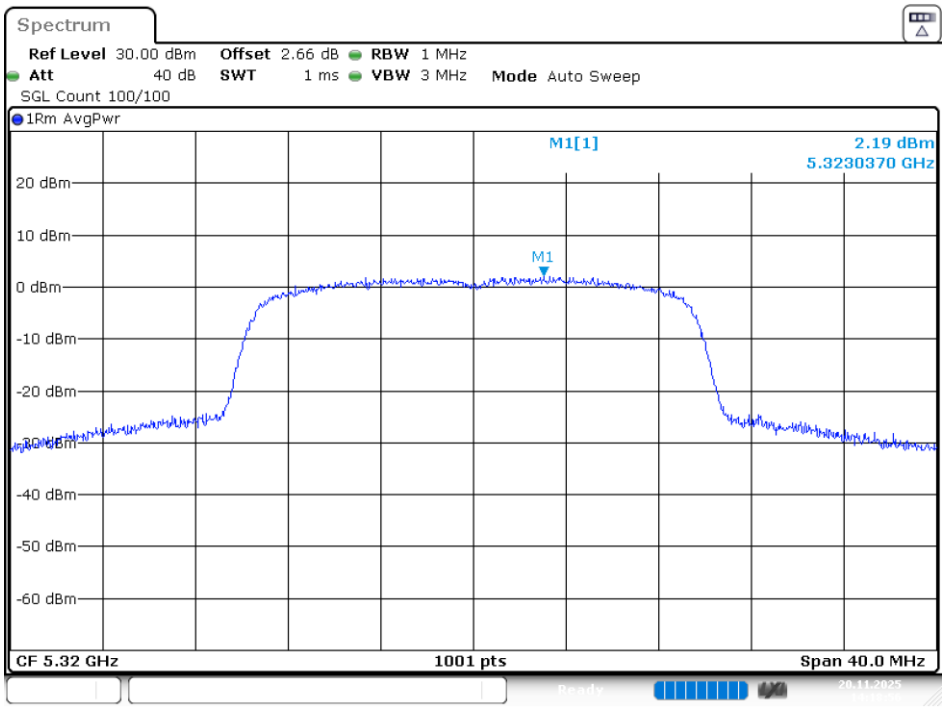
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5300MHz



Date: 20.NOV.2025 14:14:43

5320MHz



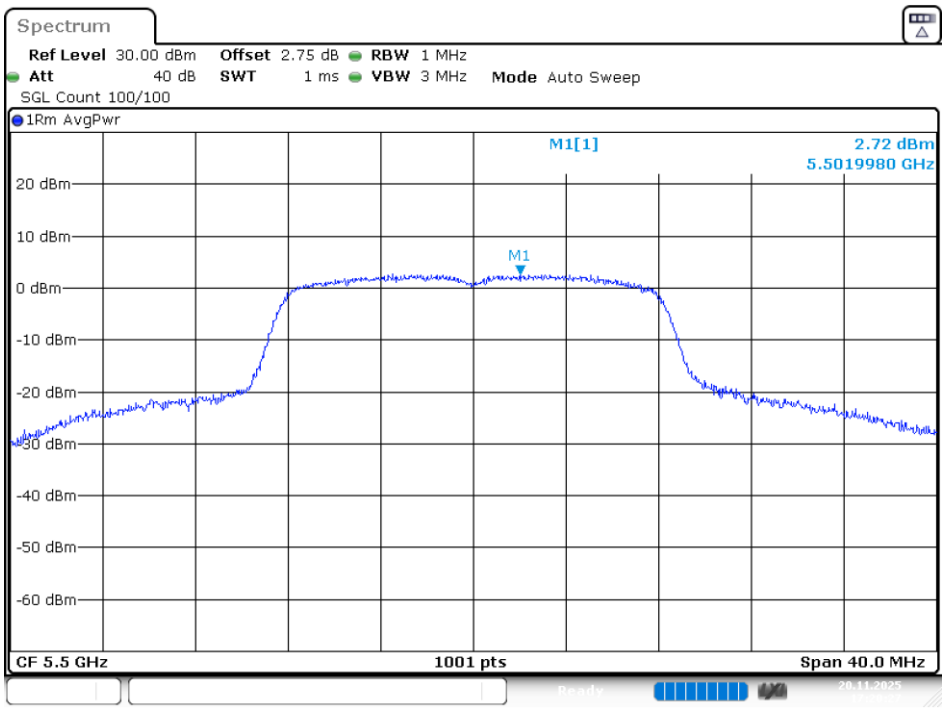
Date: 20.NOV.2025 14:18:56

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

UNII-2C Band III / PSD

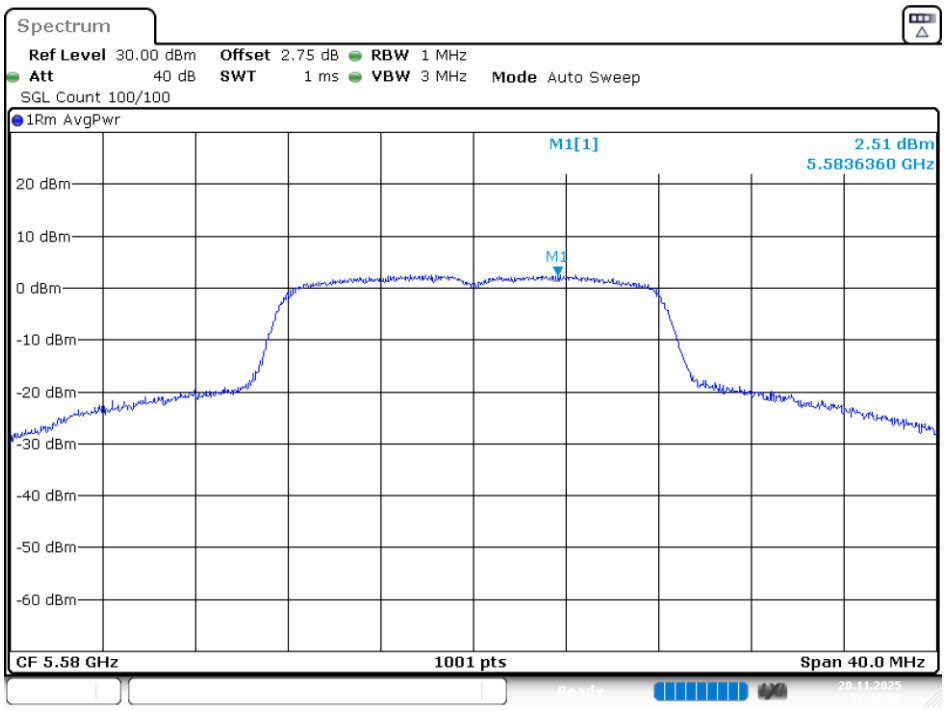
802.11a Mode / 5470 ~ 5725MHz

5500MHz



Date: 20.NOV.2025 17:20:28

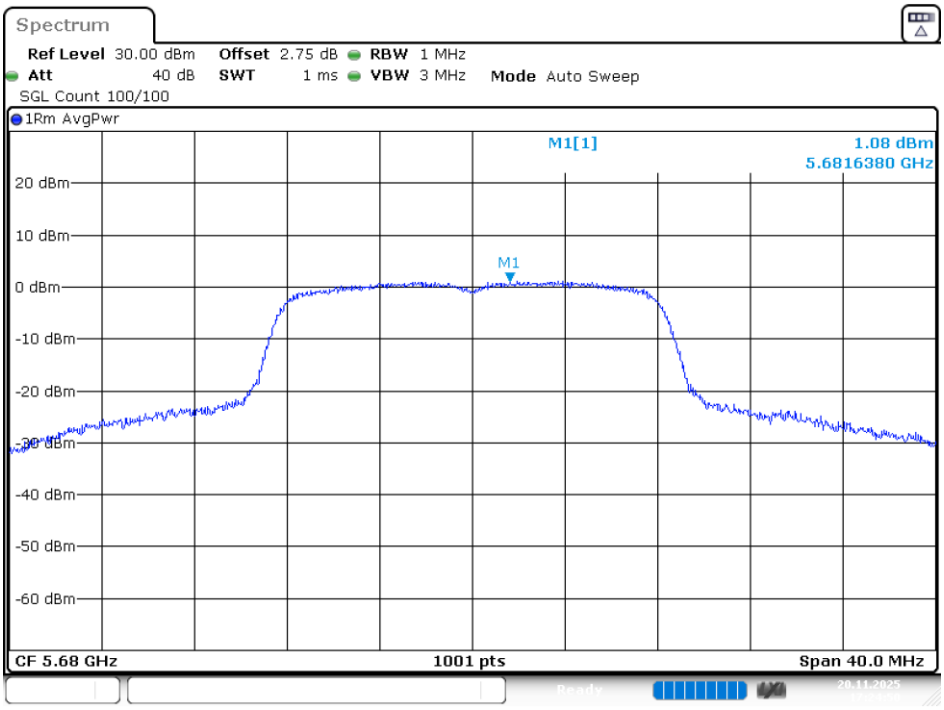
5580MHz



Date: 20.NOV.2025 17:22:57

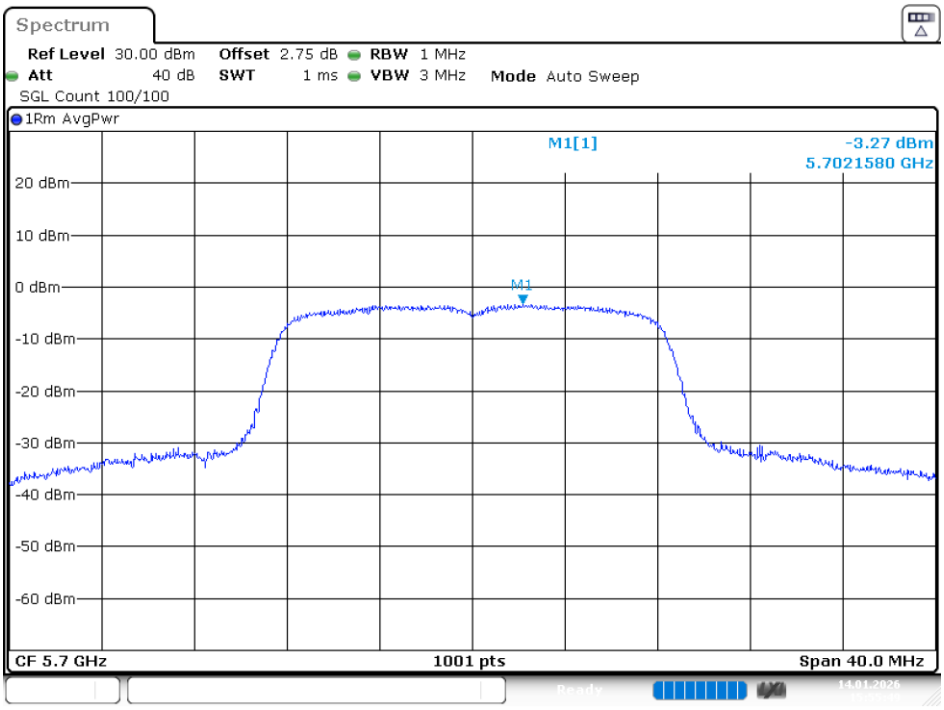
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5680MHz



Date: 20.NOV.2025 17:24:50

5700MHz

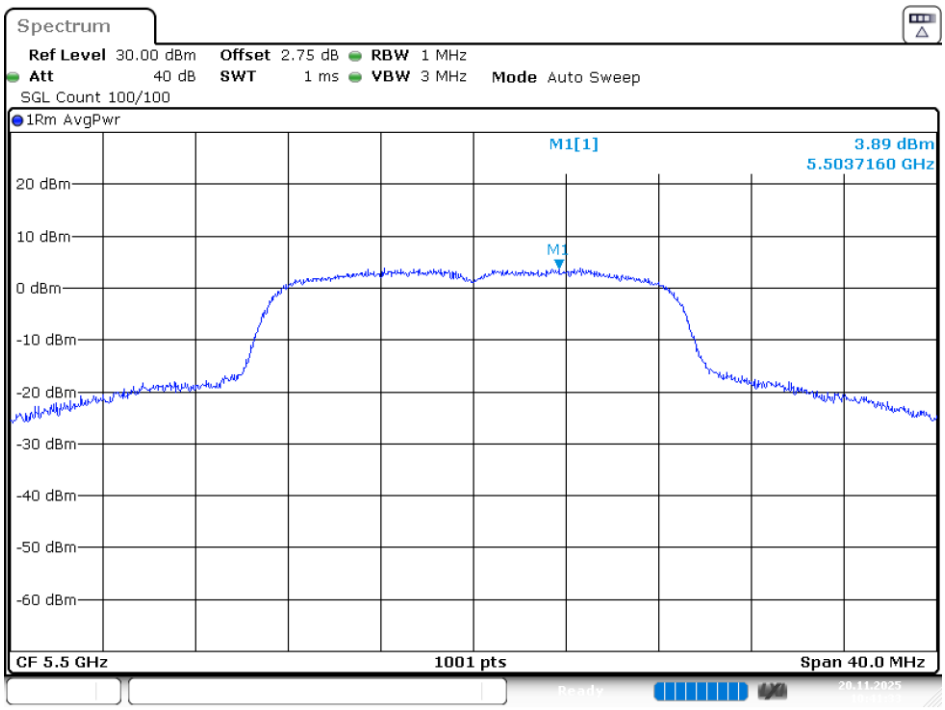


Date: 14.JAN.2026 15:55:50

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

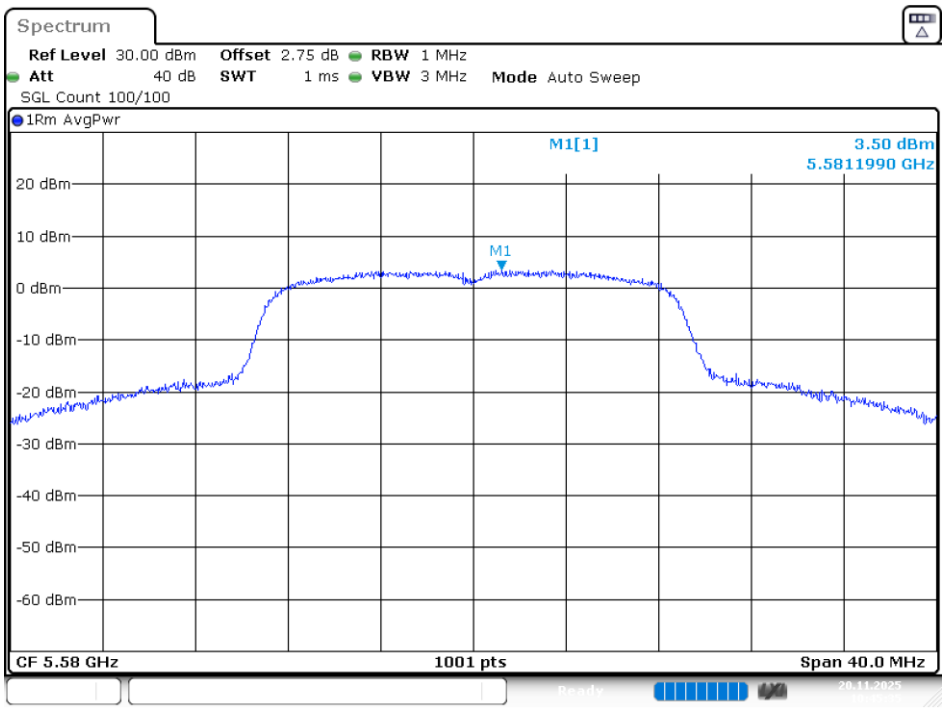
802.11 n20 Mode / 5470 ~ 5725MHz

5500MHz



Date: 20.NOV.2025 10:41:33

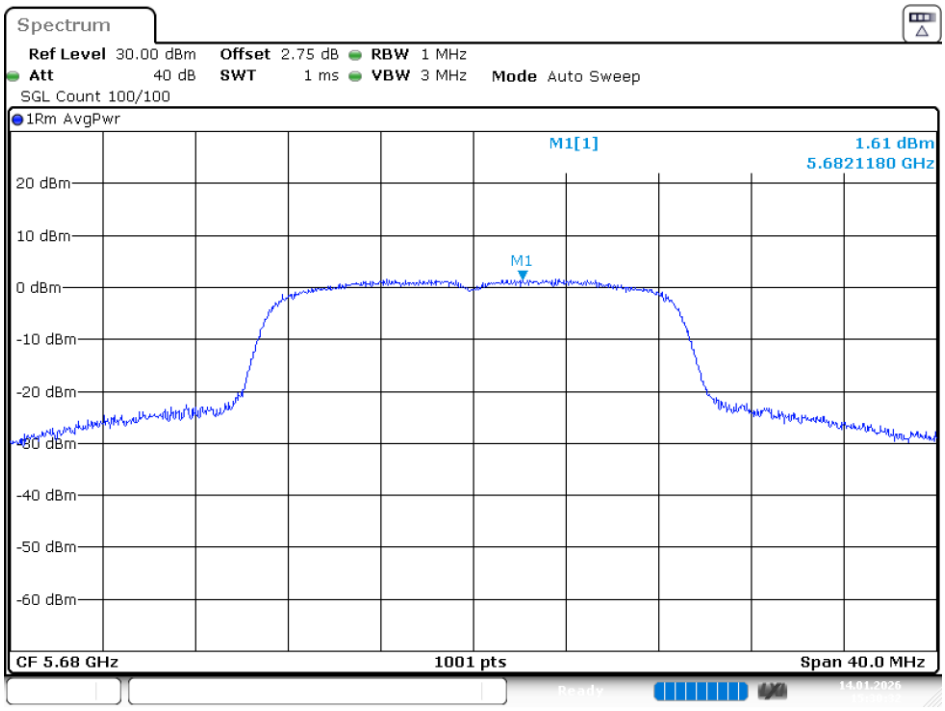
5580MHz



Date: 20.NOV.2025 10:45:35

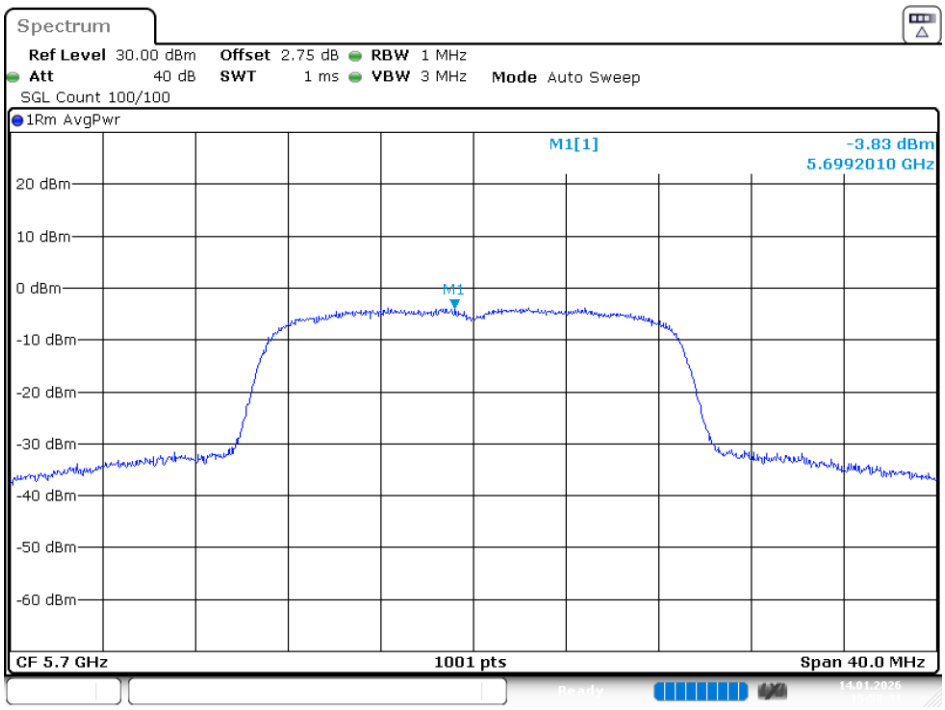
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5680MHz



Date: 14.JAN.2026 15:30:33

5700MHz

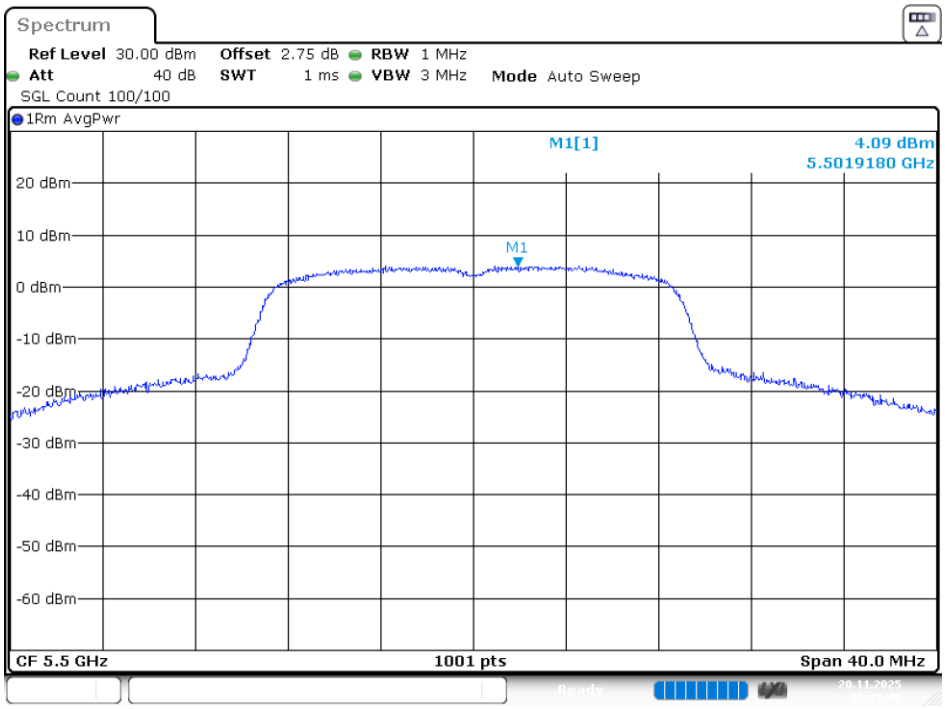


Date: 14.JAN.2026 15:58:32

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

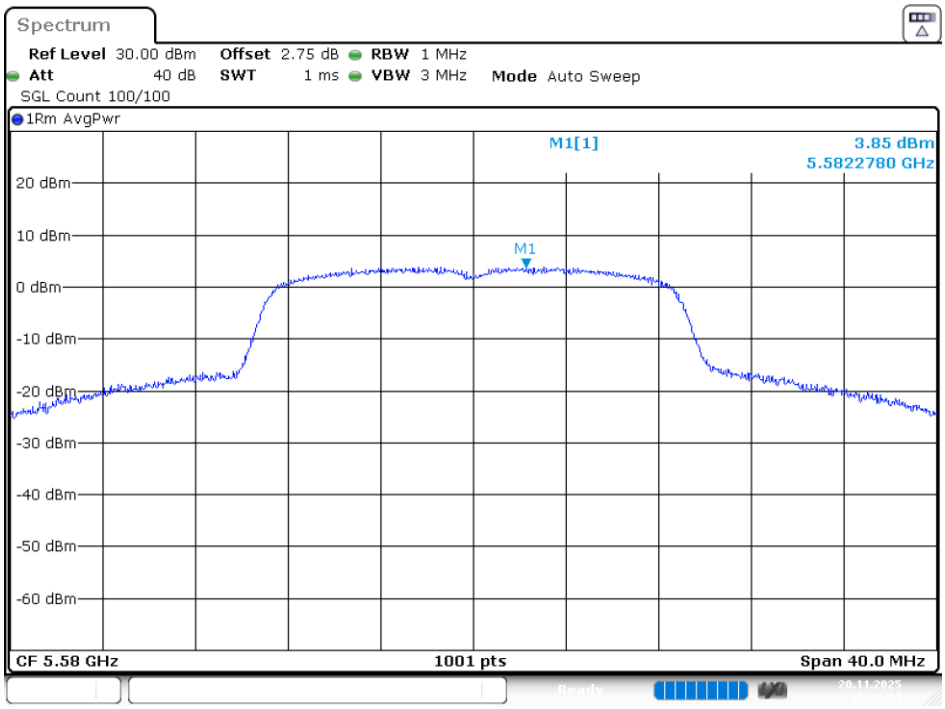
802.11 ac20 Mode / 5470 ~ 5725MHz

5500MHz



Date: 20.NOV.2025 12:15:46

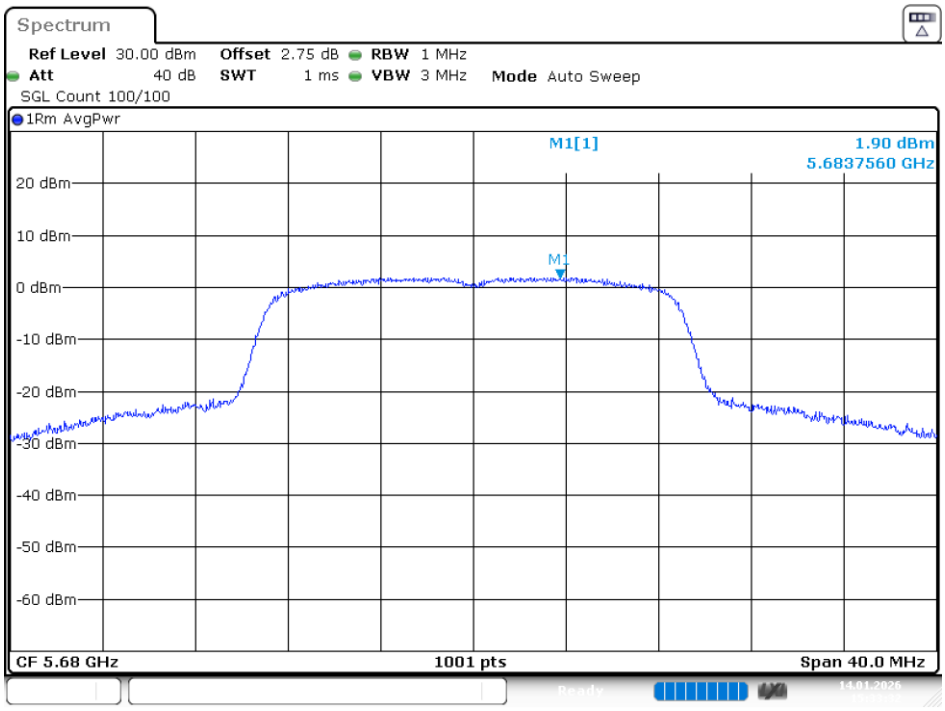
5580MHz



Date: 20.NOV.2025 12:20:04

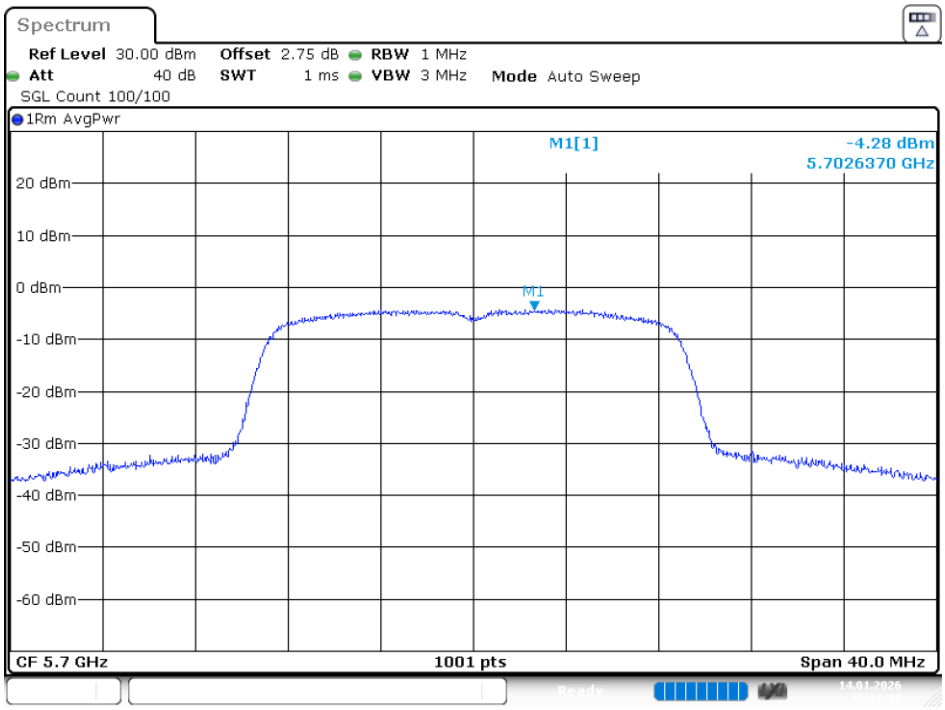
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5680MHz



Date: 14.JAN.2026 15:33:32

5700MHz

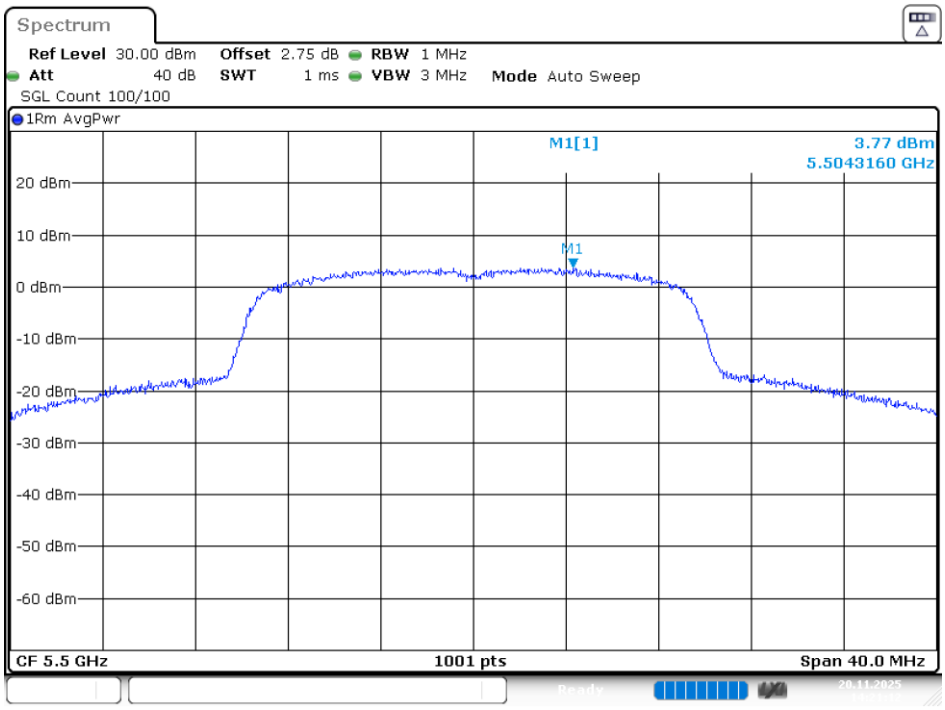


Date: 14.JAN.2026 16:01:50

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

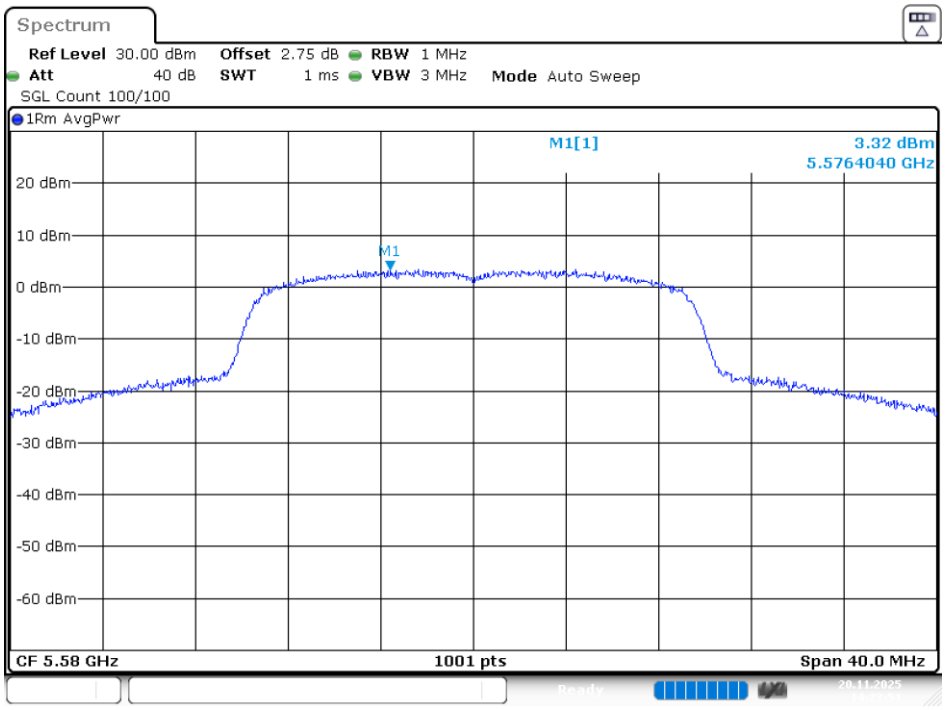
802.11 ax20 Mode / 5470 ~ 5725MHz

5500MHz



Date: 20.NOV.2025 14:21:11

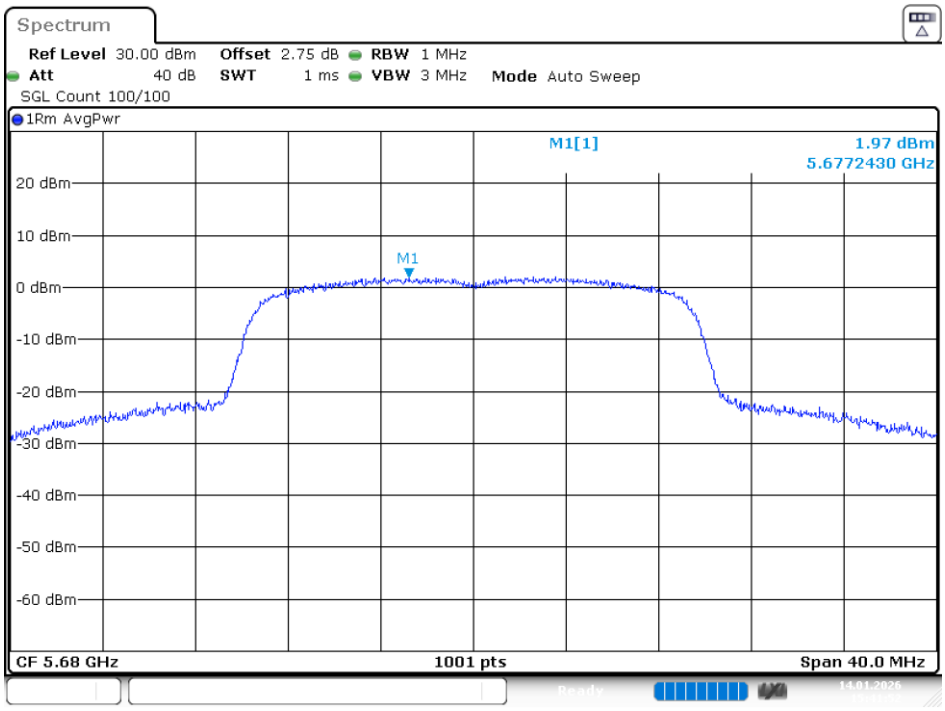
5580MHz



Date: 20.NOV.2025 14:23:51

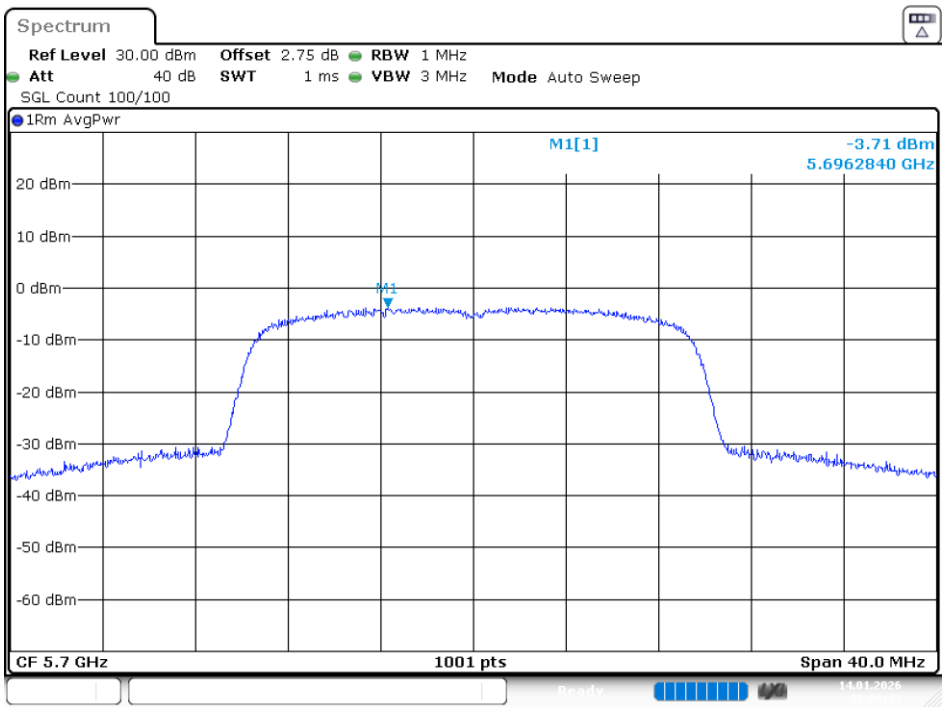
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5680MHz



Date: 14.JAN.2026 15:41:53

5700MHz



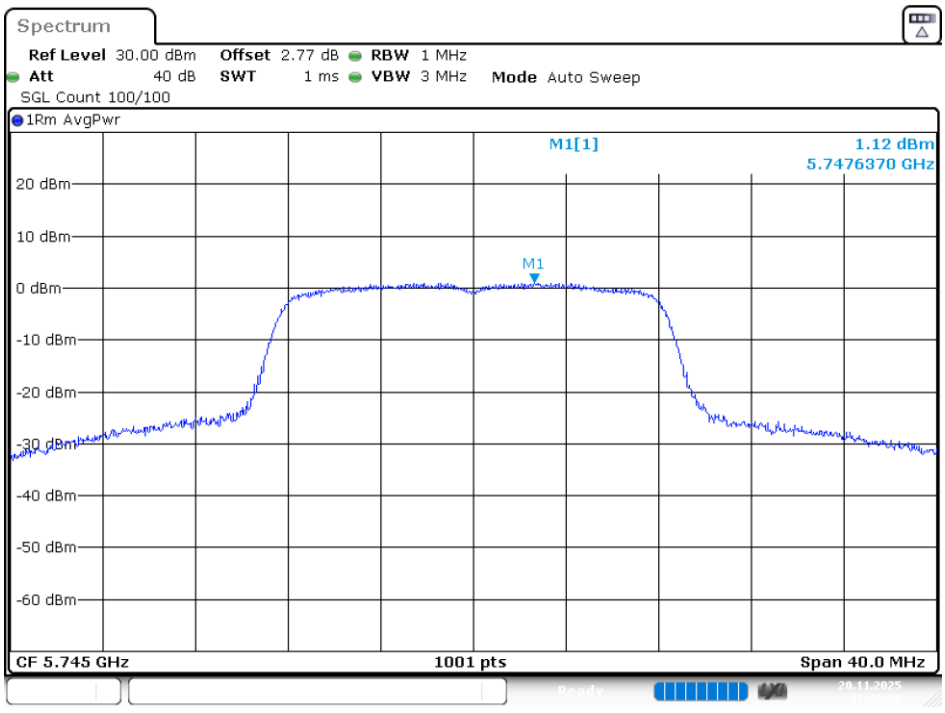
Date: 14.JAN.2026 16:06:44

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

UNII-3 Band IV / PSD

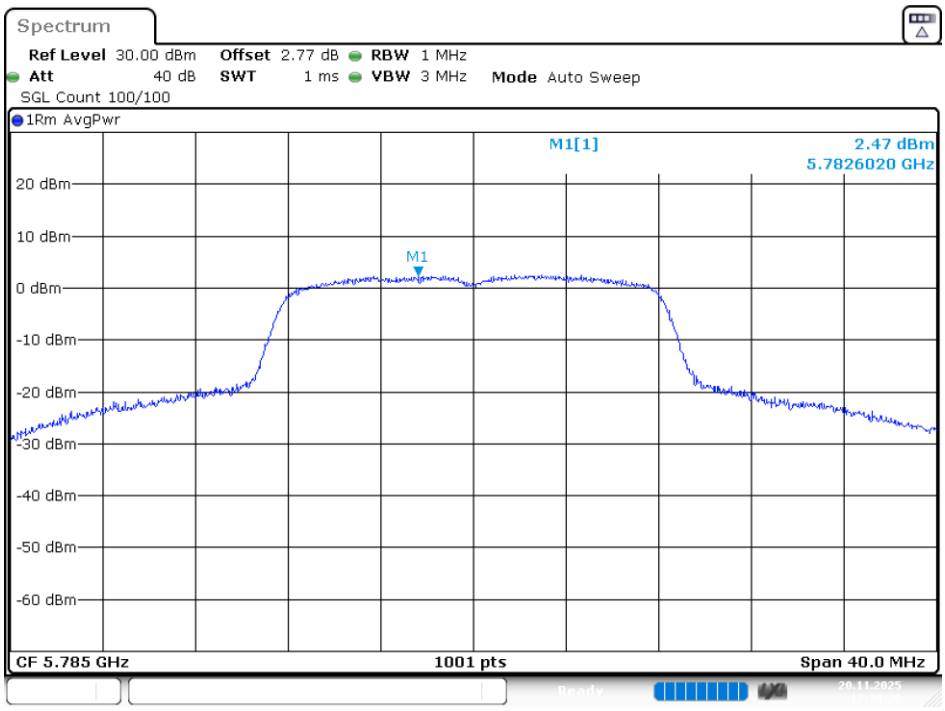
802.11a Mode / 5725 ~ 5850MHz

5745MHz



Date: 20.NOV.2025 17:28:20

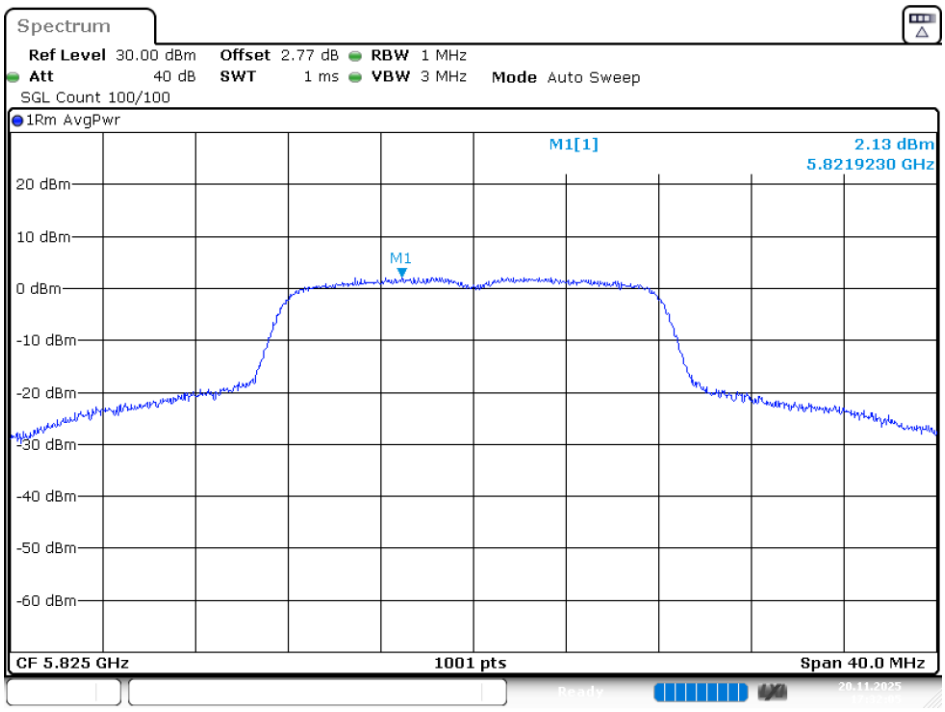
5785MHz



Date: 20.NOV.2025 17:30:28

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

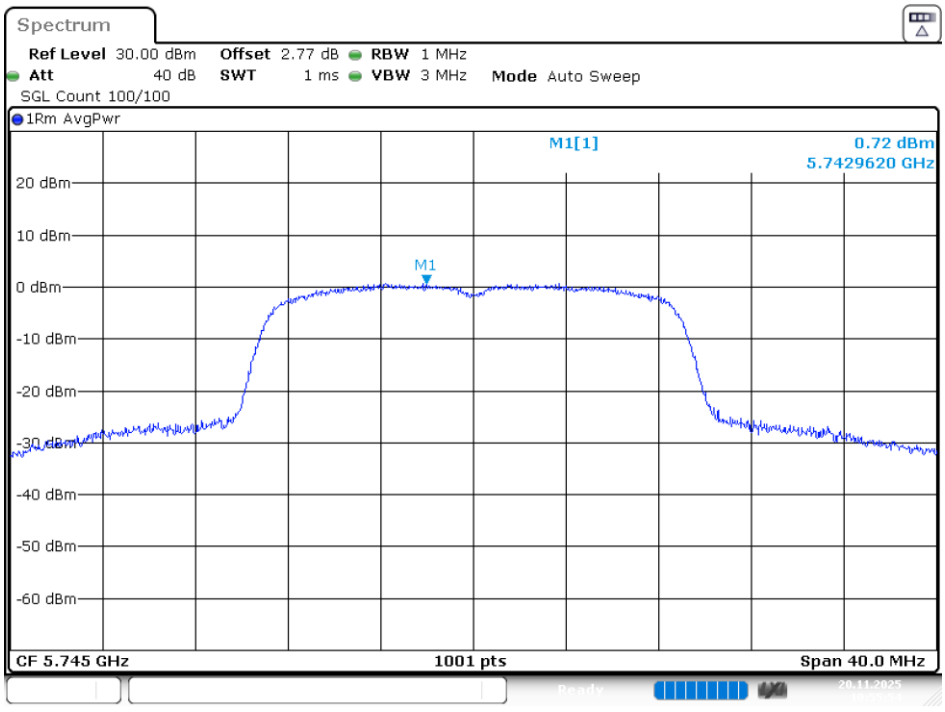
5825MHz



Date: 20.NOV.2025 17:32:05

802.11 n20 Mode / 5725 ~ 5850MHz

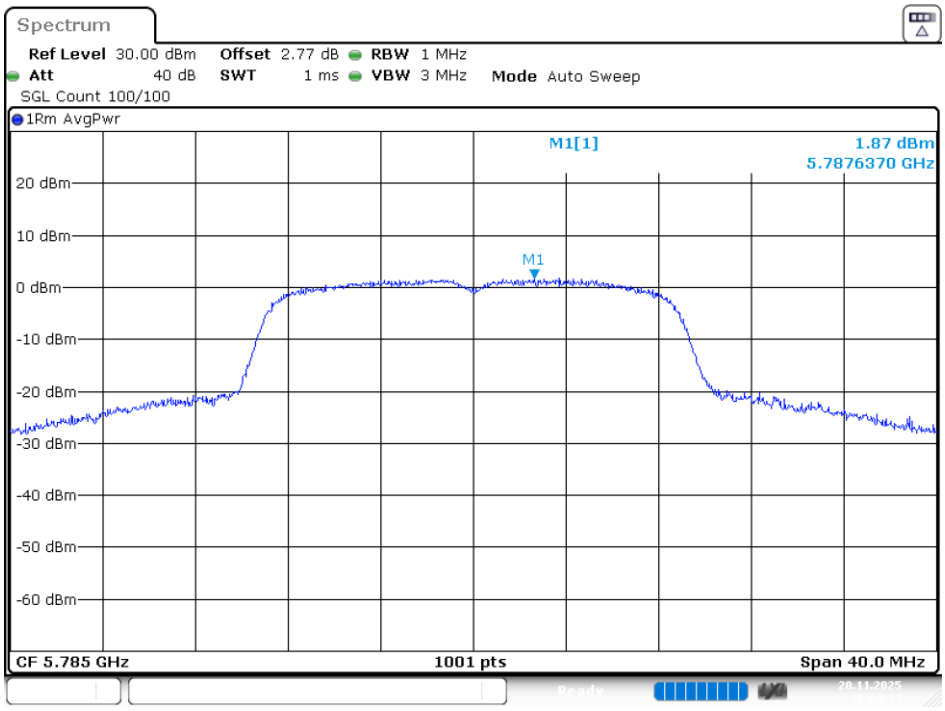
5745MHz



Date: 20.NOV.2025 10:55:54

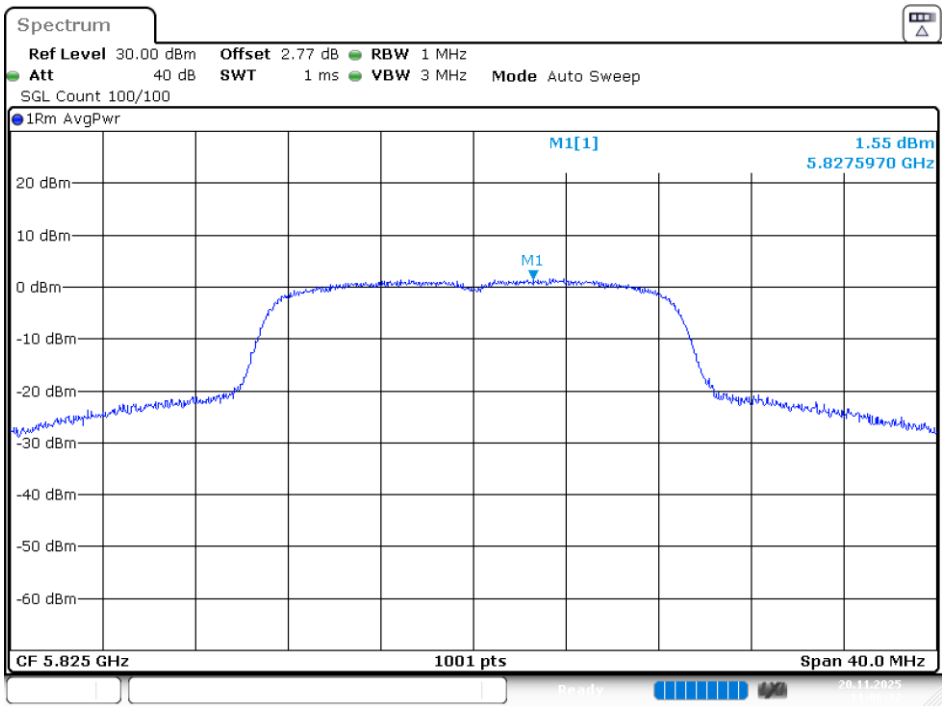
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5785MHz



Date: 20.NOV.2025 11:04:33

5825MHz

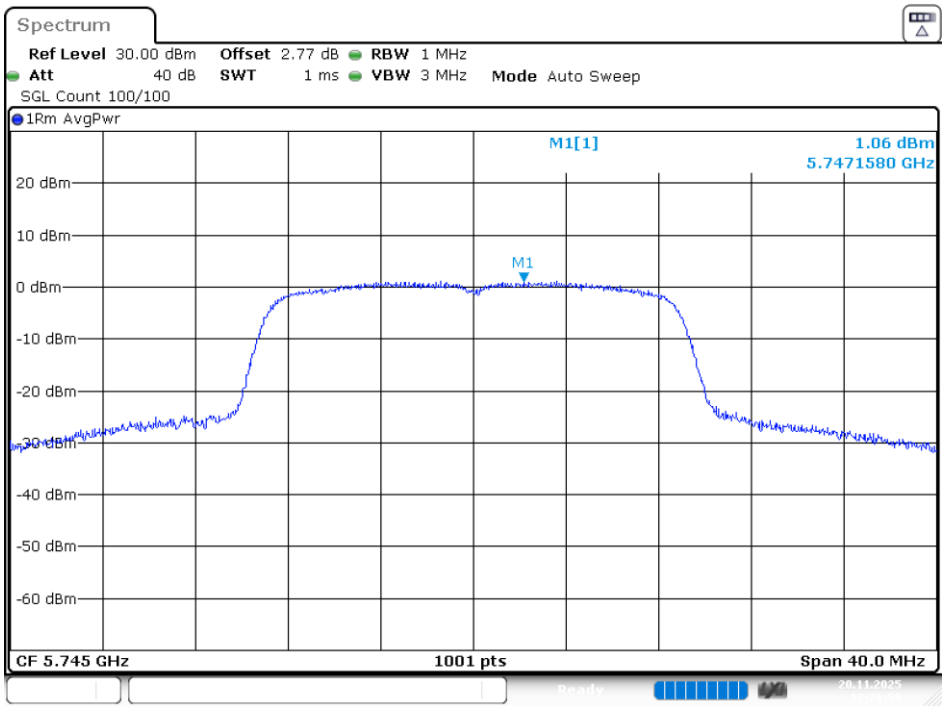


Date: 20.NOV.2025 11:06:32

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

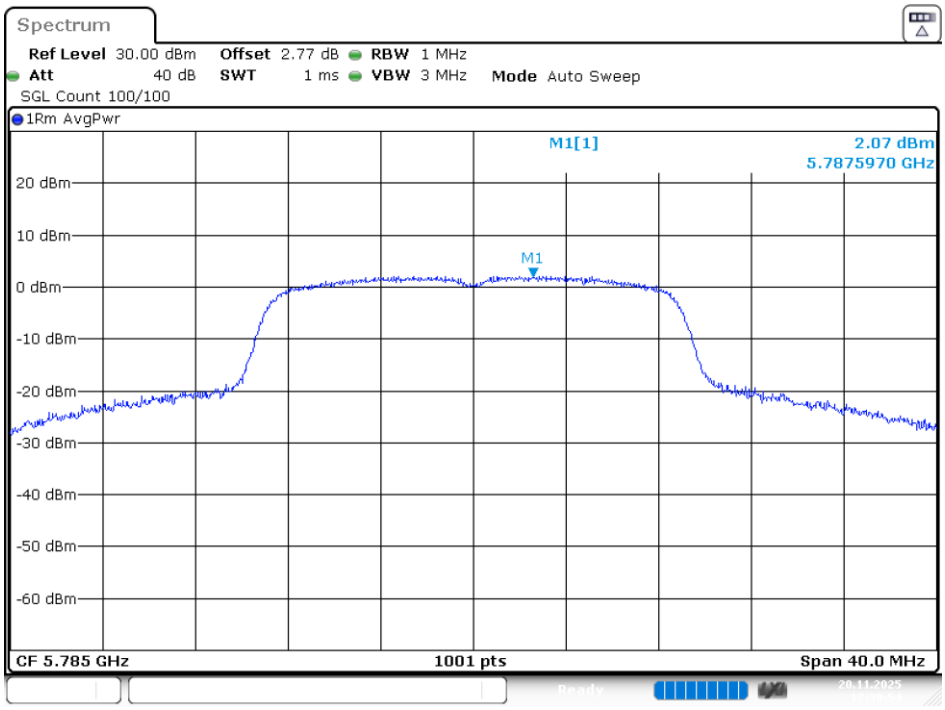
802.11 ac20 Mode / 5725 ~ 5850MHz

5745MHz



Date: 20.NOV.2025 12:26:59

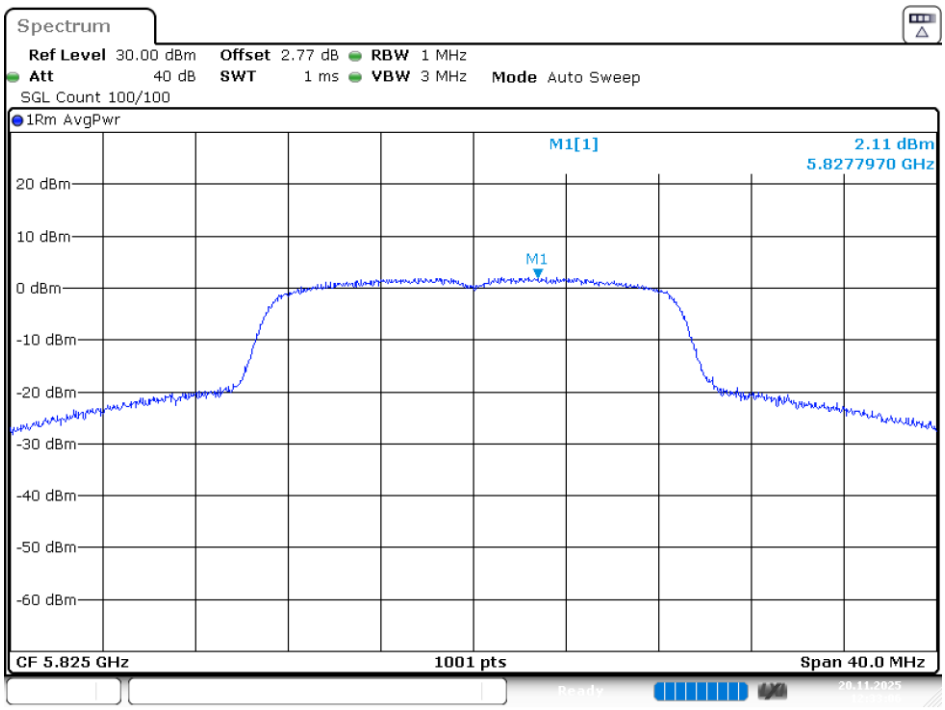
5785MHz



Date: 20.NOV.2025 12:30:54

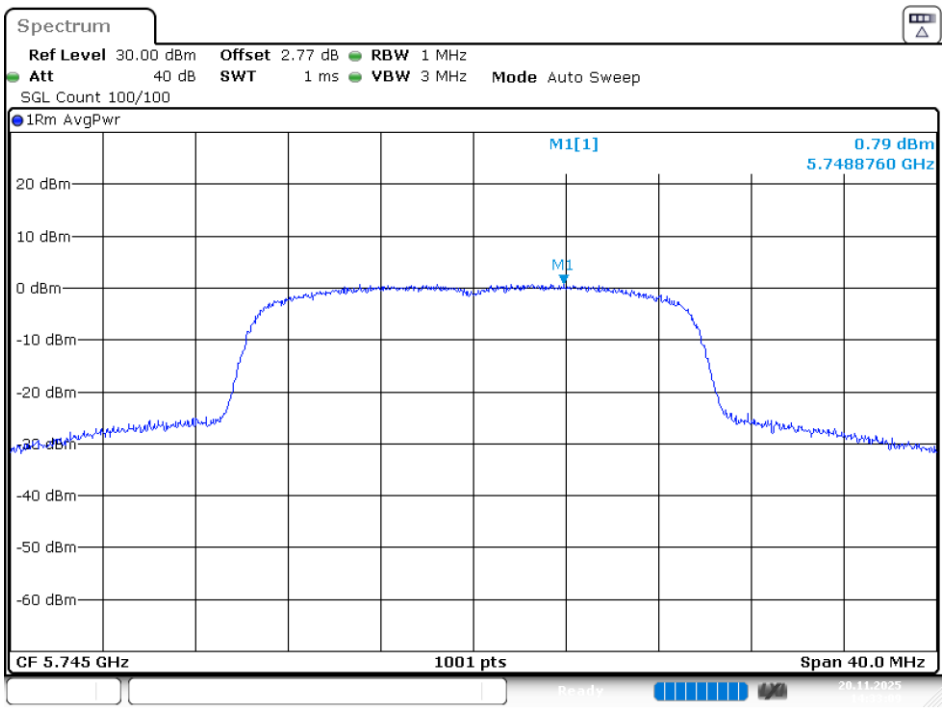
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5825MHz



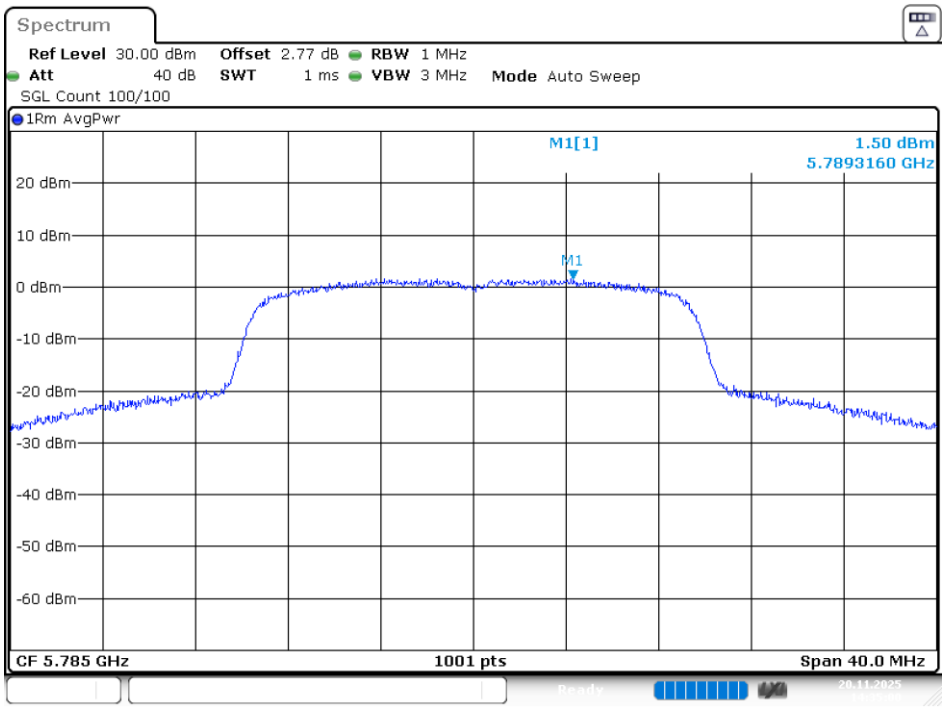
802.11 ax20 Mode / 5725 ~ 5850MHz

5745MHz



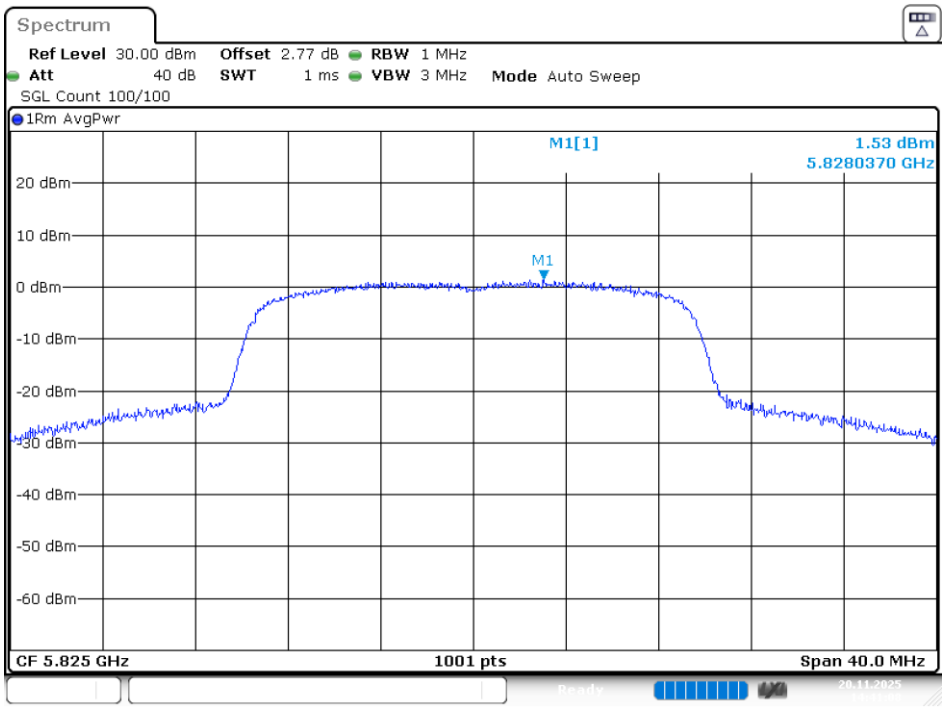
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

5785MHz



Date: 20.NOV.2025 14:35:01

5825MHz



Date: 20.NOV.2025 14:41:08

******* END OF REPORT *******

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)