

Annex C – Declaration of RF Exposure Compliance for Exemption from Routine Evaluation Limits

COMPANY NUMBER:	25650
MODEL NUMBER:	DA16200MOD-AAE4WA32
MANUFACTURER:	Iton Technology Corp.
IC CERTIFICATION NUMBER:	25650-DA16200ME

2.5.2 Exemption from Routine Evaluation Limits – RF Exposure Evaluation

RF exposure evaluation is required if the separation distance between the user and/or bystander and the device's radiating element is greater than 20 cm, except when the device operates as follows:

- below 20 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 1 W (adjusted for tune-up tolerance);
- at or above 20 MHz and below 48 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than $4.49/f^{0.5}$ W (adjusted for tune-up tolerance), where f is in MHz;
- at or above 48 MHz and below 300 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 0.6 W (adjusted for tune-up tolerance);
- at or above 300 MHz and below 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than $1.31 \times 10^{-2} f^{0.6834}$ W (adjusted for tune-up tolerance), where f is in MHz;
- at or above 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 5 W (adjusted for tune-up tolerance).

e.i.r.p. calculation:

$$\text{Limit} = 1.31 \times 10^{-2} f^{0.6834} = 2.72 \text{ W}$$

$f = 2462 \text{ MHz}$

$$\text{e.i.r.p.} = P + Ag = 17.55 + 2 = 19.55 \text{ dBm} = 0.902 \text{ W} < 2.72 \text{ W}$$

$$P = \text{Output power (dBm)} = 18.09 \text{ dBm}$$

$$Ag = \text{Antenna gain (dBi)} = 2 \text{ dBi}$$

ATTESTATION: I attest that the radio communication apparatus meets the exemption from the routine evaluation limits in Section 2.5 of this standard; that the Technical Brief was prepared and the information contained therein is correct; that the device evaluation was performed or supervised by me; that applicable measurement methods and evaluation methodologies have been followed; and that the device meets the SAR and/or RF field strength limits of RSS-102(Issue 5, 2015).

Signature:



Date: 2019-12-13

NAME: Mandy Wang

TITLE: Supervisor

COMPANY: BTL Inc.

End of Test Report