

$V_{DD} = 5.0 \text{ V}$

$T_A = -40^\circ\text{C}, +25^\circ\text{C}, +85^\circ\text{C}, +105^\circ\text{C}$

CPU : HS mode, RUN

$f_{CLK} = 32 \text{ MHz}$ (High-speed OCO)

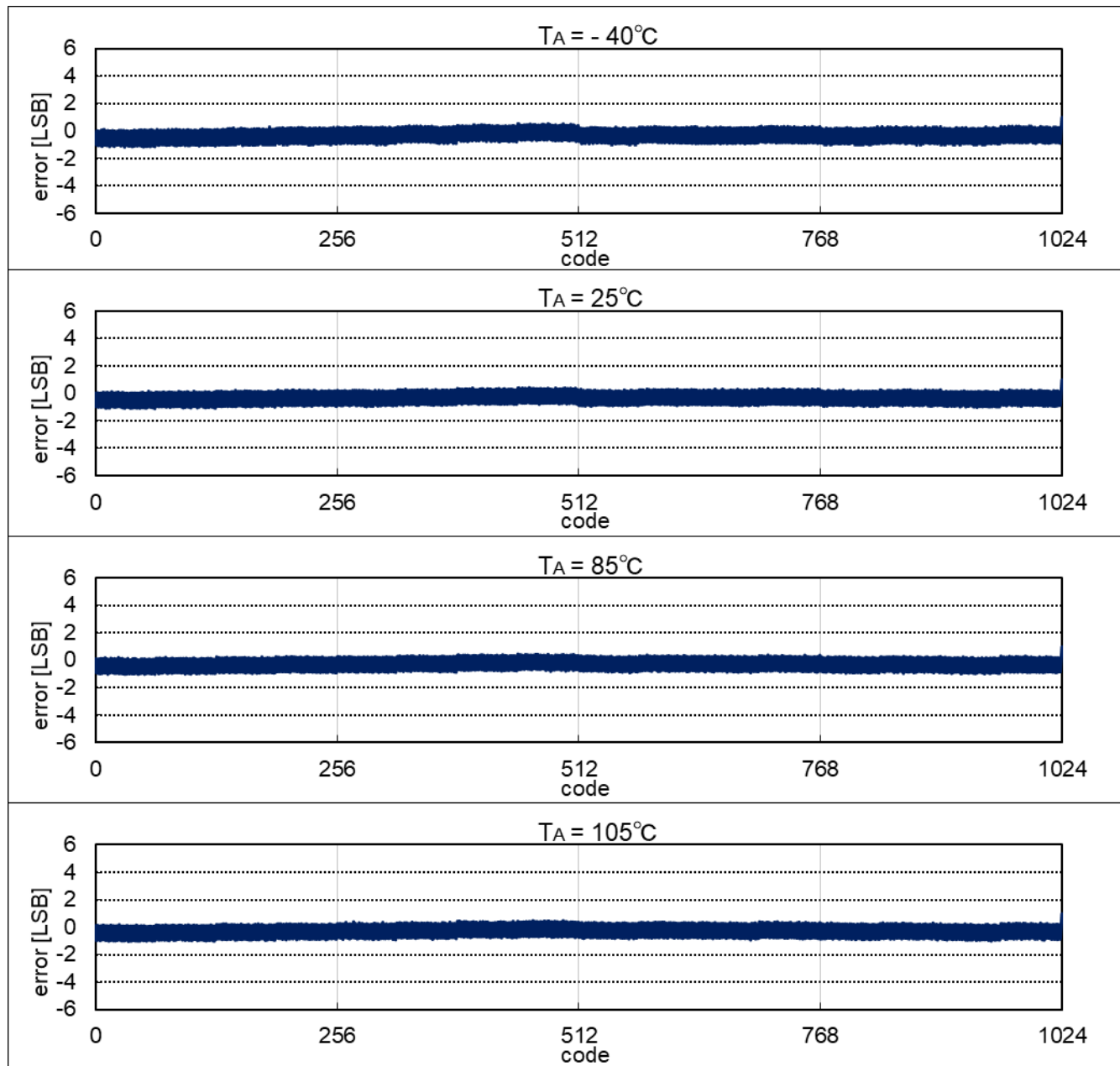
reference voltage (+) = $AV_{REFP} = 5.0 \text{ V}$, reference voltage (-) = $AV_{REFM} = 0 \text{ V}$

$f_{AD} = 8 \text{ MHz}$

conversion time = $2.375 \mu\text{s}$

mode : Normal mode 1

Prepared on June 19th, 2023



The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

$V_{DD} = 5.0 \text{ V}$

$T_A = -40^\circ\text{C}, +25^\circ\text{C}, +85^\circ\text{C}, +105^\circ\text{C}$

CPU : HS mode, HALT

$f_{CLK} = 32 \text{ MHz}$ (High-speed OCO)

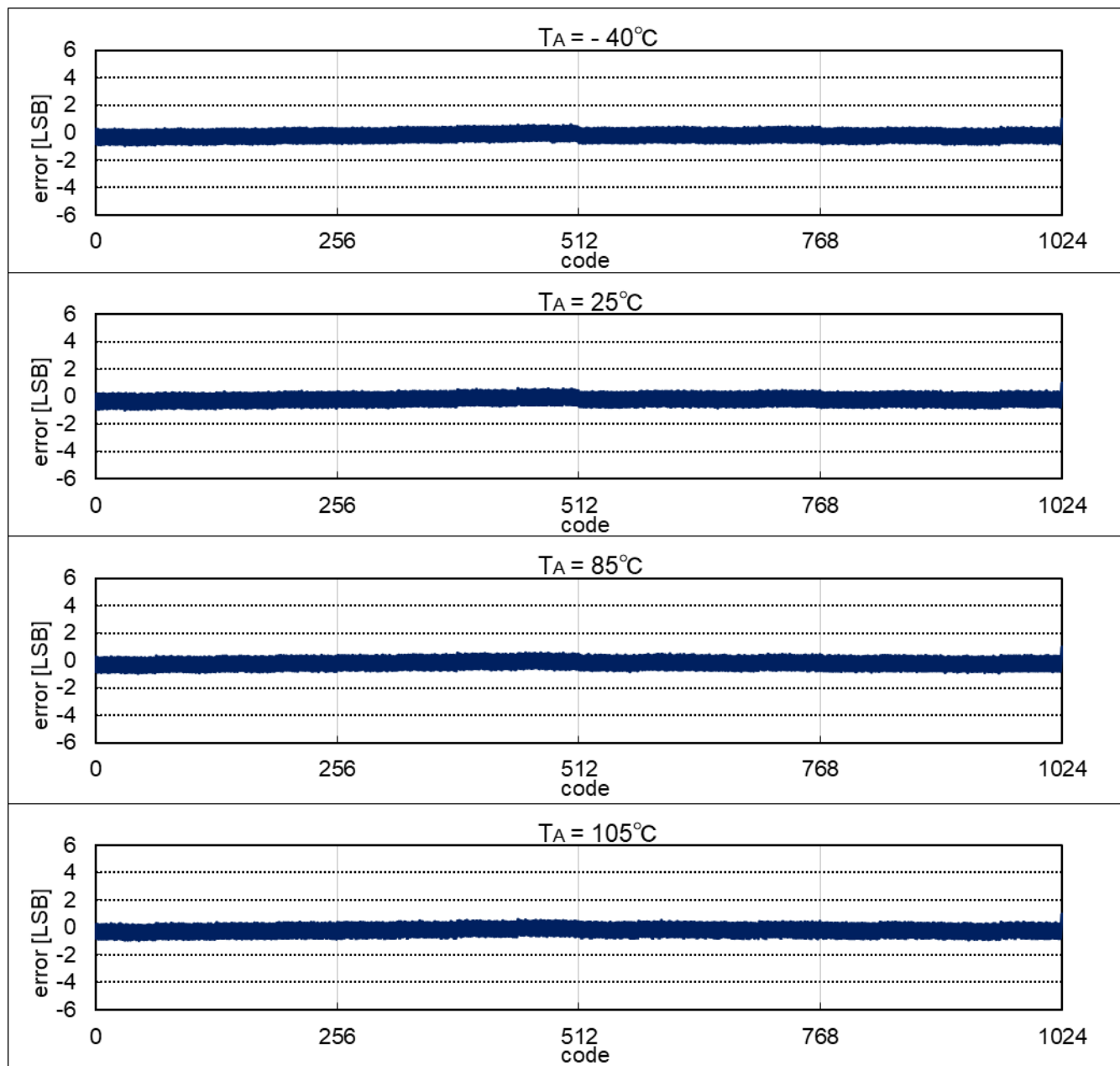
reference voltage (+) = $AV_{REFP} = 5.0 \text{ V}$, reference voltage (-) = $AV_{REFM} = 0 \text{ V}$

$f_{AD} = 8 \text{ MHz}$

conversion time = $2.375 \mu\text{s}$

mode : Normal mode 1

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$V_{DD} = 3.0\text{ V}$

$T_A = -40^\circ\text{C}, +25^\circ\text{C}, +85^\circ\text{C}, +105^\circ\text{C}$

CPU : HS mode, RUN

$f_{CLK} = 32\text{ MHz}$ (High-speed OCO)

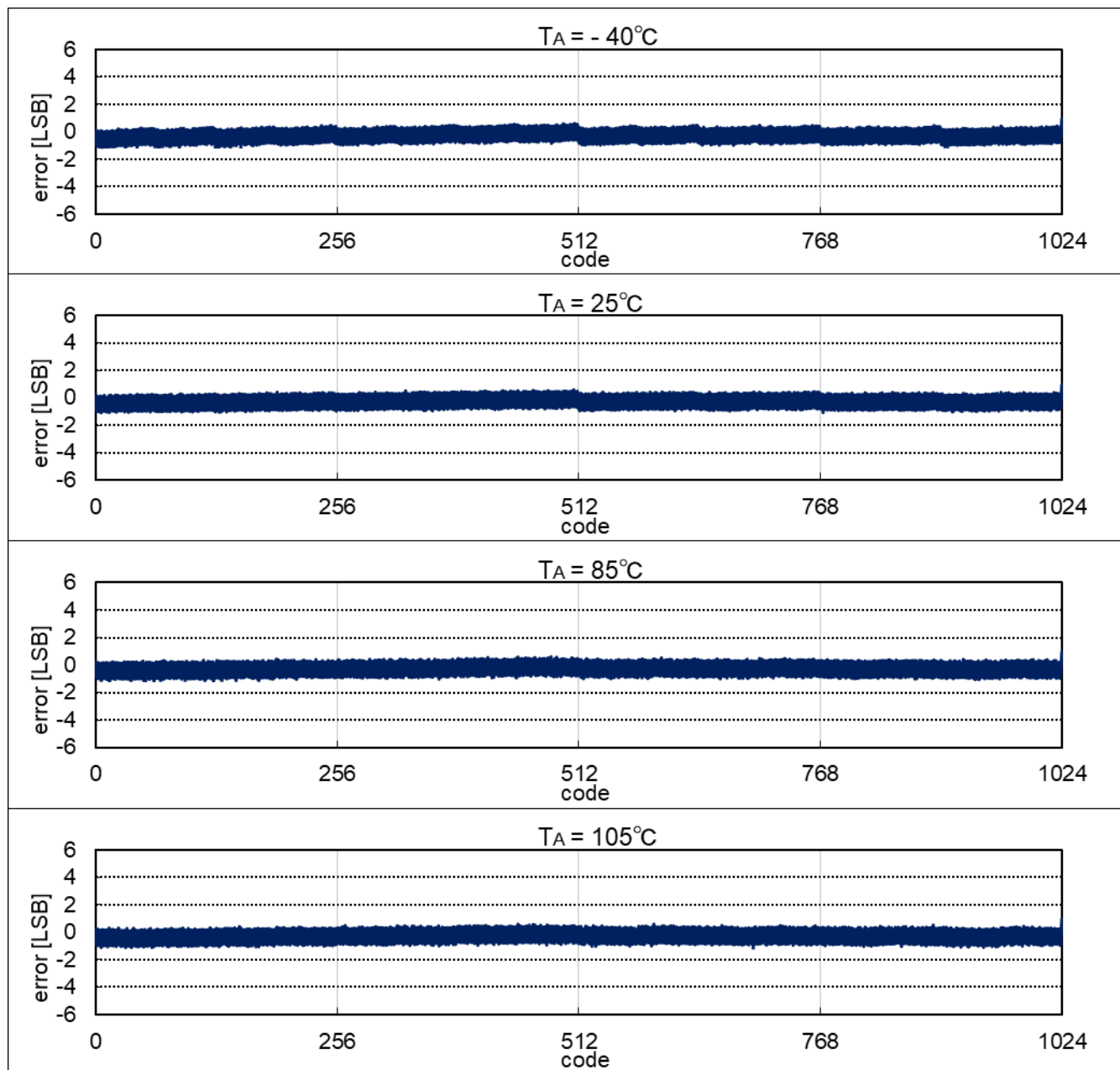
reference voltage (+) = $AV_{REFP} = 3.0\text{ V}$, reference voltage (-) = $AV_{REFM} = 0\text{ V}$

$f_{AD} = 5.33\text{ MHz}$

conversion time = $3.5625\text{ }\mu\text{s}$

mode : Normal mode 1

Prepared on June 19th, 2023



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$V_{DD} = 3.0\text{ V}$

$T_A = -40^\circ\text{C}, +25^\circ\text{C}, +85^\circ\text{C}, +105^\circ\text{C}$

CPU : HS mode, HALT

$f_{CLK} = 32\text{ MHz}$ (High-speed OCO)

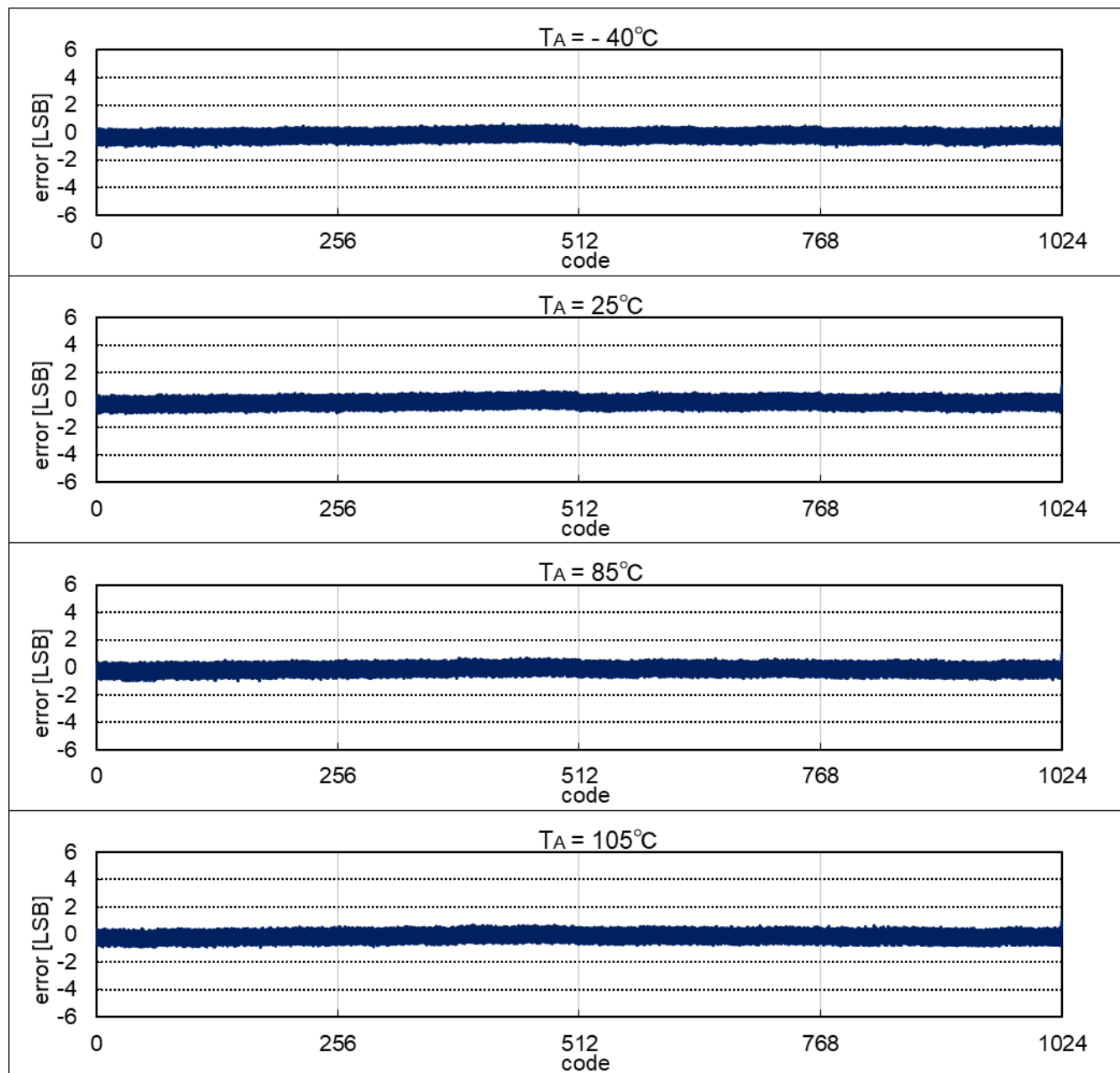
reference voltage (+) = $AV_{REFP} = 3.0\text{ V}$, reference voltage (-) = $AV_{REFM} = 0\text{ V}$

$f_{AD} = 5.33\text{ MHz}$

conversion time = $3.5625\text{ }\mu\text{s}$

mode : Normal mode 1

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$V_{DD} = 3.0\text{ V}$

$T_A = -40^\circ\text{C}, +25^\circ\text{C}, +85^\circ\text{C}, +105^\circ\text{C}$

CPU : LS mode, RUN

$f_{CLK} = 24\text{ MHz}$ (High-speed OCO)

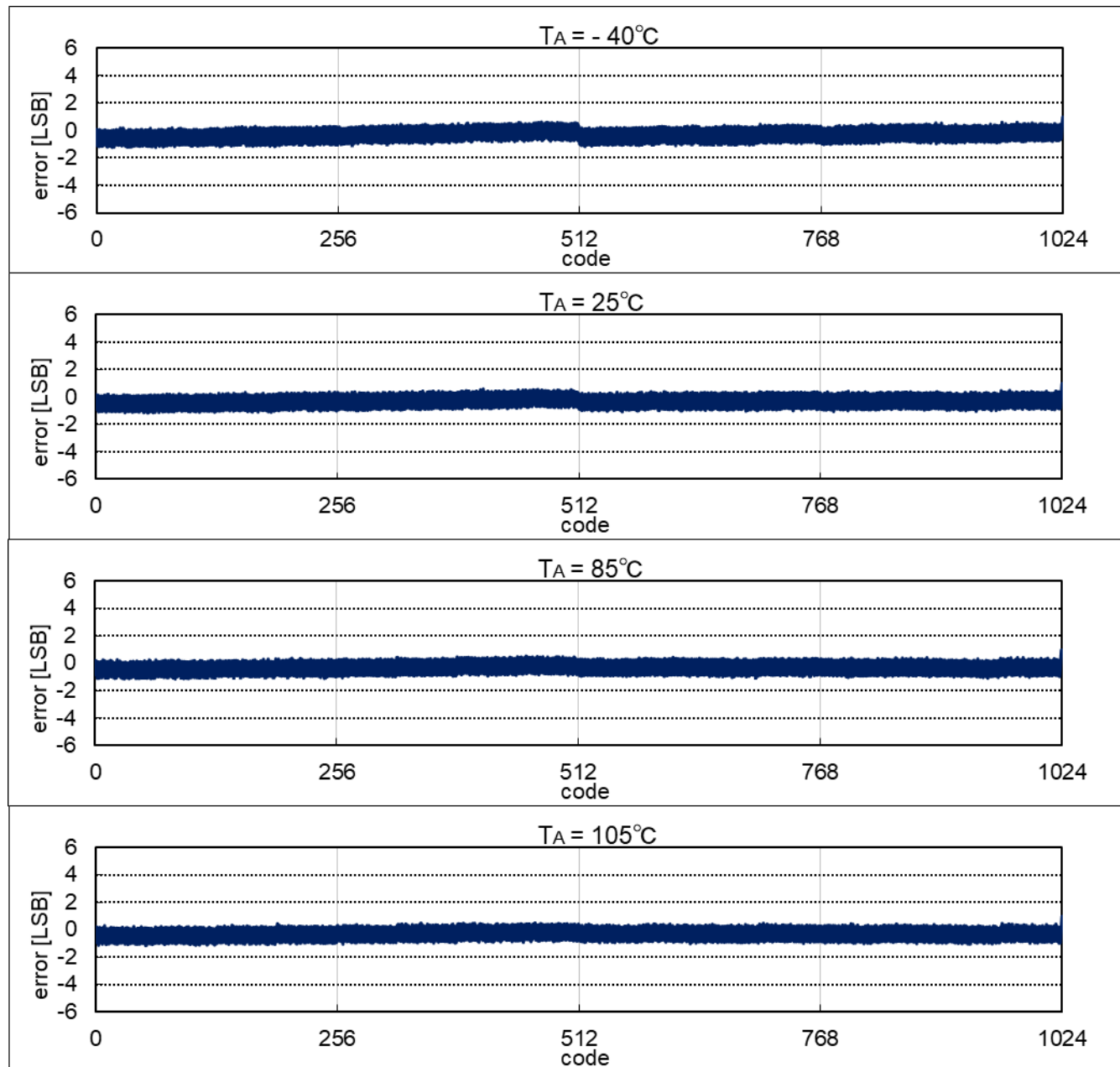
reference voltage (+) = $AV_{REFP} = 3.0\text{ V}$, reference voltage (-) = $AV_{REFM} = 0\text{ V}$

$f_{AD} = 6\text{ MHz}$

conversion time = $3.16\text{ }\mu\text{s}$

mode : Normal mode 1

Prepared on June 19th, 2023



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$V_{DD} = 3.0\text{ V}$

$T_A = -40^\circ\text{C}, +25^\circ\text{C}, +85^\circ\text{C}, +105^\circ\text{C}$

CPU : LS mode, HALT

$f_{CLK} = 24\text{ MHz}$ (High-speed OCO)

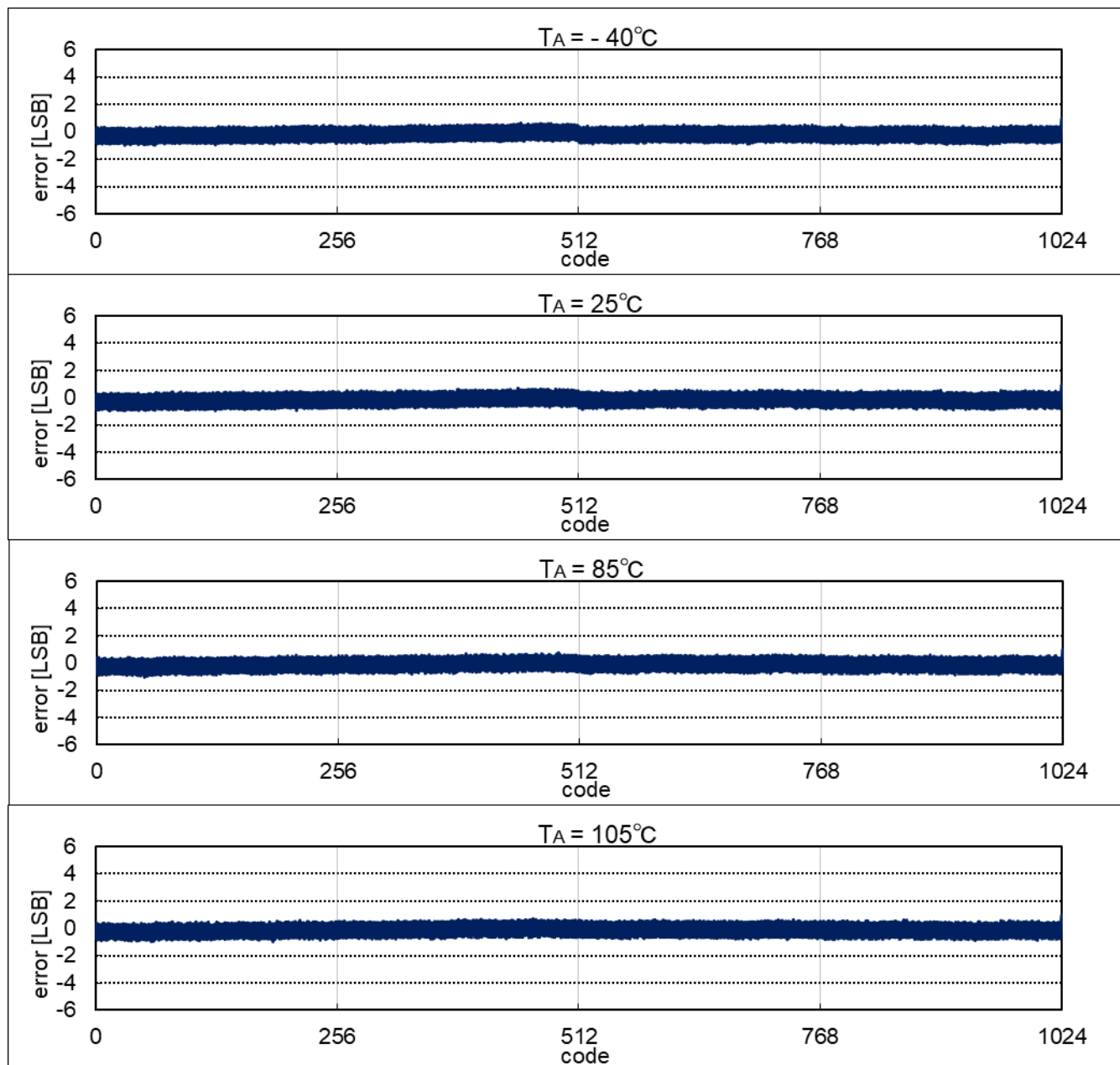
reference voltage (+) = $AV_{REFP} = 3.0\text{ V}$, reference voltage (-) = $AV_{REFM} = 0\text{ V}$

$f_{AD} = 6\text{ MHz}$

conversion time = $3.16\text{ }\mu\text{s}$

mode : Normal mode 1

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$V_{DD} = 3.0\text{ V}$

$T_A = -40^\circ\text{C}, +25^\circ\text{C}, +85^\circ\text{C}, +105^\circ\text{C}$

CPU : LS mode, RUN

$f_{CLK} = 8\text{ MHz}$ (High-speed OCO)

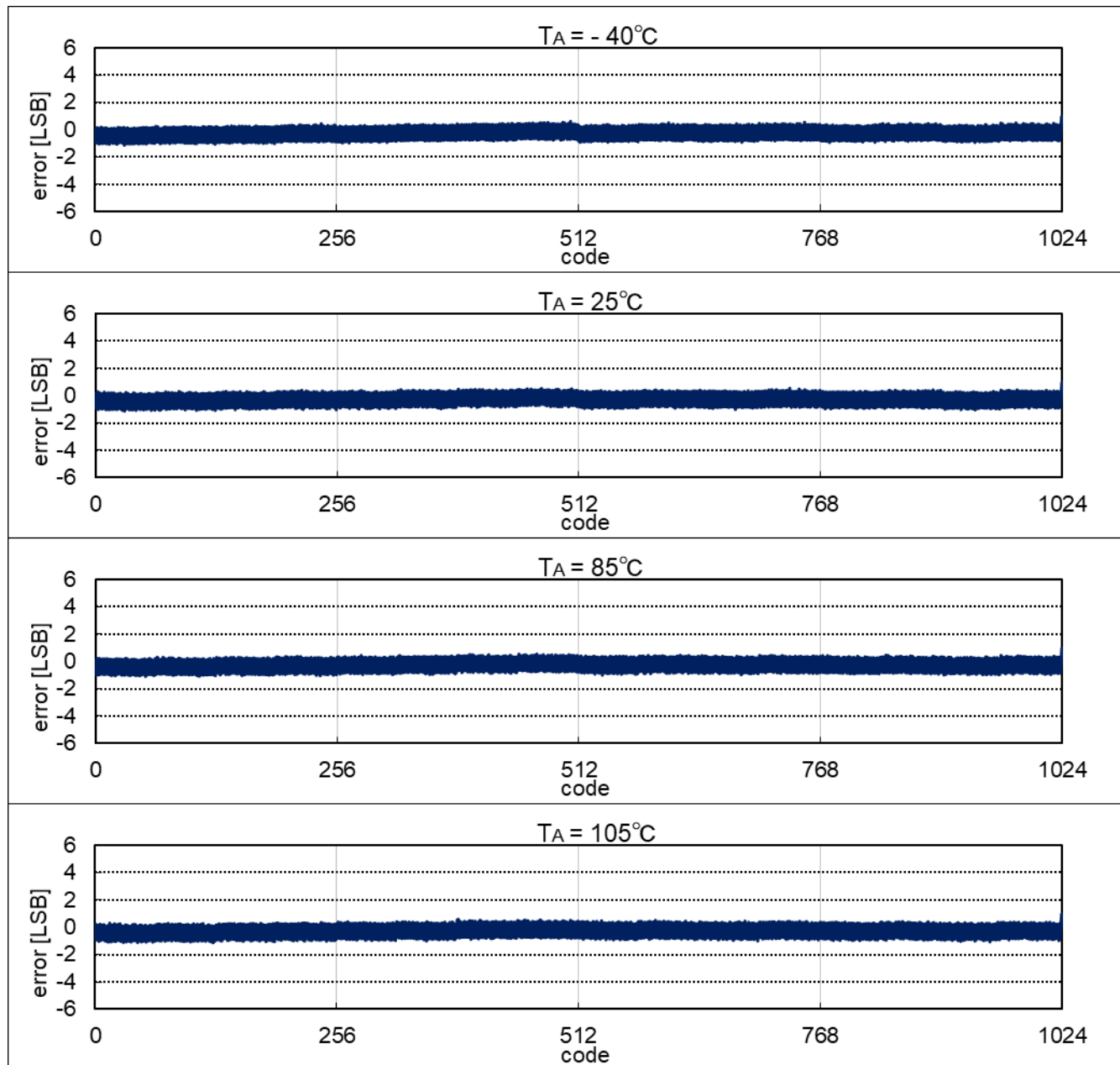
reference voltage (+) = $AV_{REFP} = 3.0\text{ V}$, reference voltage (-) = $AV_{REFM} = 0\text{ V}$

$f_{AD} = 4\text{ MHz}$

conversion time = $4.75\mu\text{s}$

mode : Normal mode 1

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$V_{DD} = 3.0\text{ V}$

$T_A = -40^\circ\text{C}, +25^\circ\text{C}, +85^\circ\text{C}, +105^\circ\text{C}$

CPU : LS mode, HALT

$f_{CLK} = 8\text{ MHz}$ (High-speed OCO)

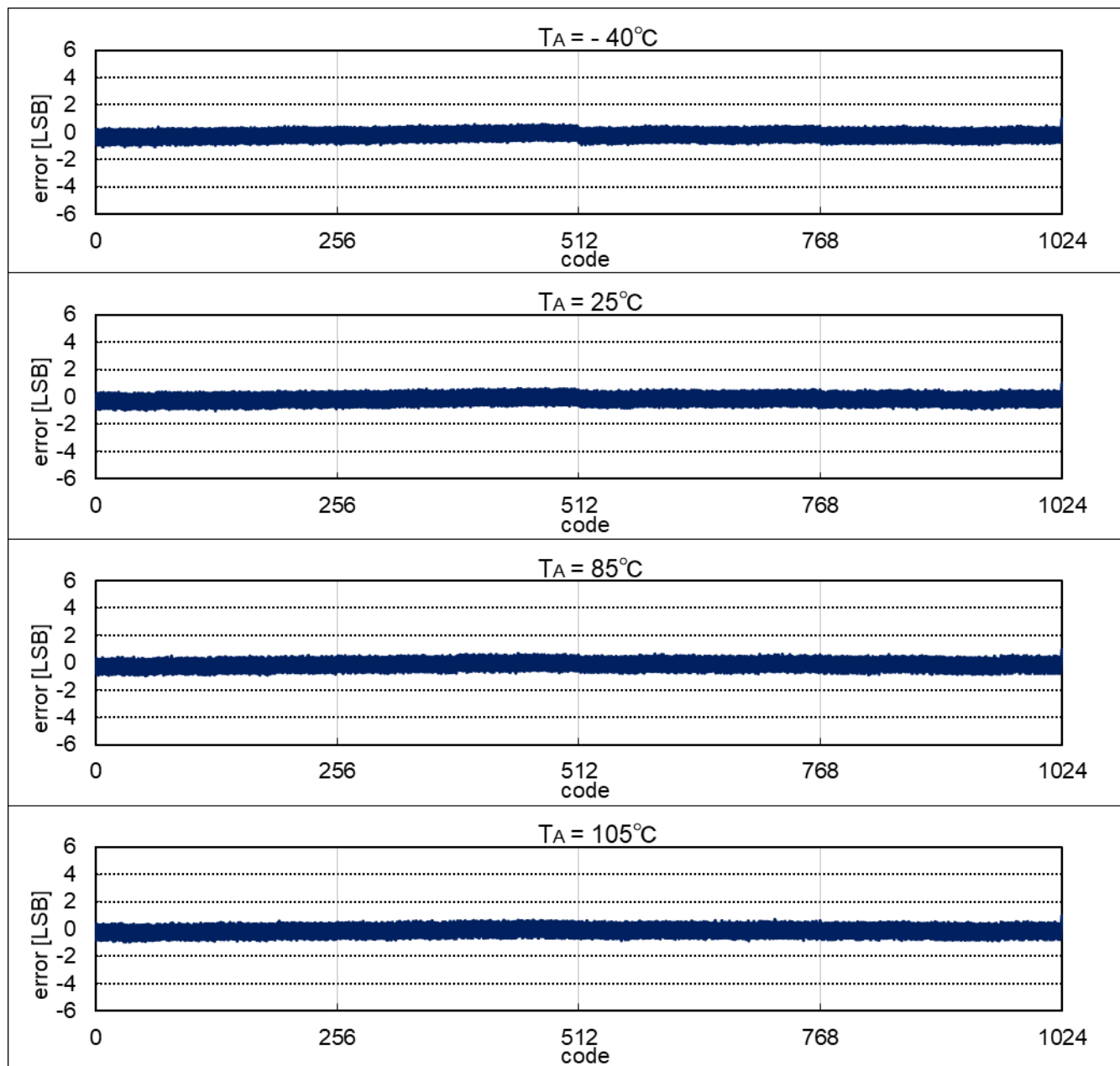
reference voltage (+) = $AV_{REFP} = 3.0\text{ V}$, reference voltage (-) = $AV_{REFM} = 0\text{ V}$

$f_{AD} = 4\text{ MHz}$

conversion time = $4.75\mu\text{s}$

mode : Normal mode 1

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