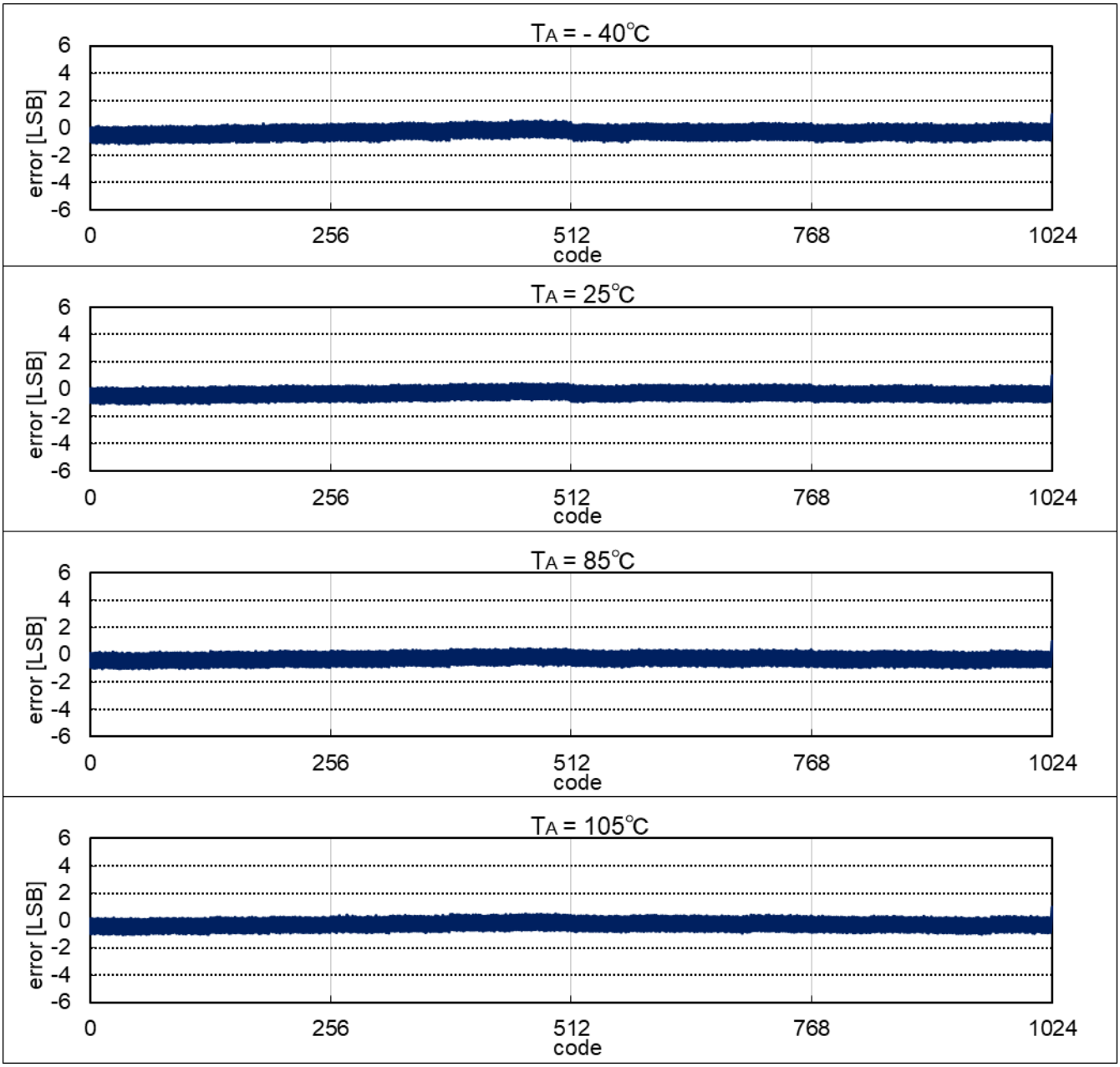
RL78/G22 group
10-bit A/D converter overall error

V_{DD} = 5.0 V
T_A = -40℃, +25℃, +85℃, +105℃
CPU : HS mode, RUN
f_{CLK} = 32 MHz (High-speed OCO)

reference voltage (+) = AV_{REFP} = 5.0 V, reference voltage (-) = AV_{REFM} = 0 V
f_{AD} = 8 MHz
conversion time = 2.375 µs
mode : Normal mode 1

Prepared on June 19th, 2023



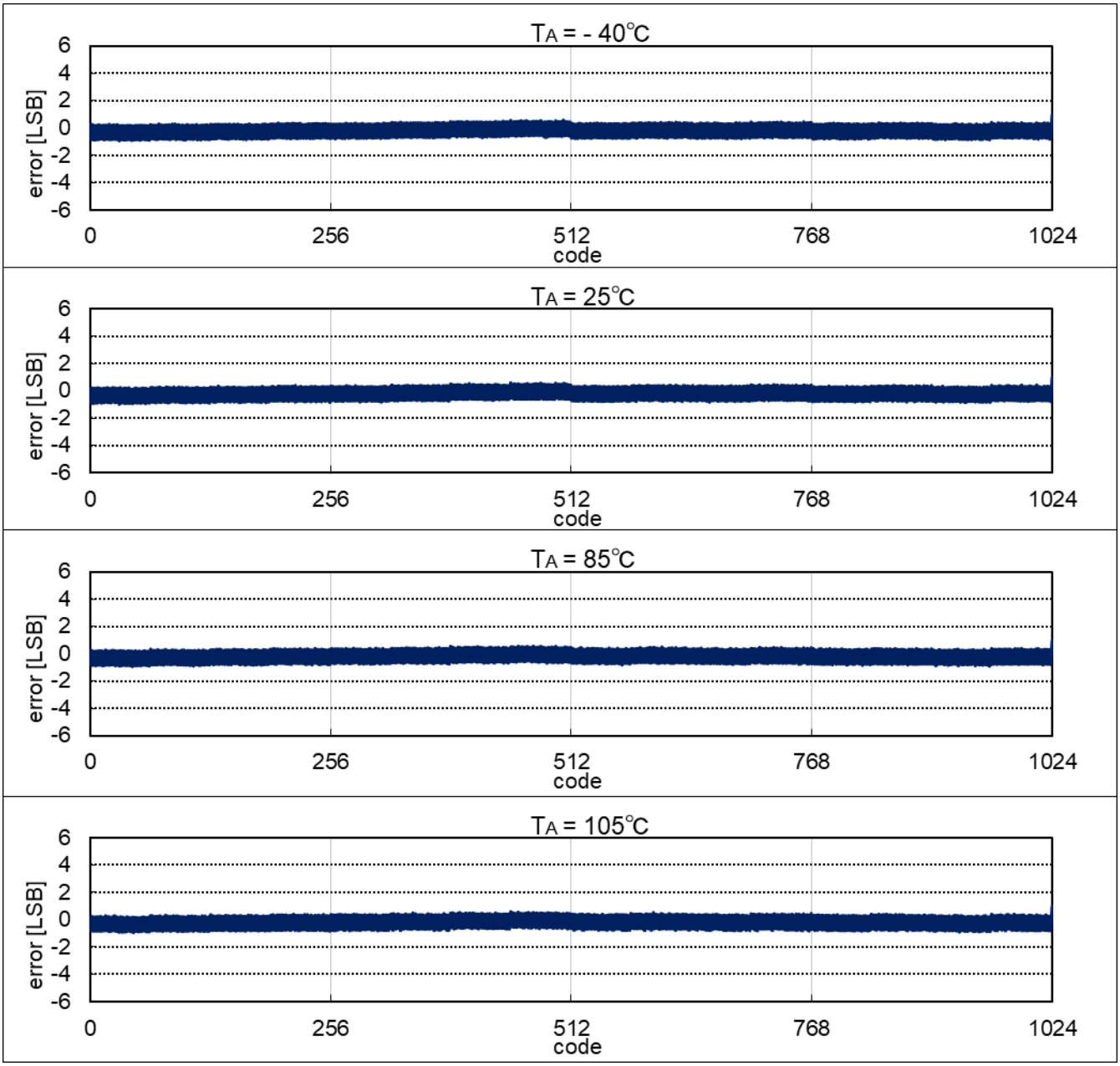
The above mentioned value is only for your reference. The value was measured under certain conditions and does not guarantee the product's characteristics.

RL78/G22 group
10-bit A/D converter overall error

V_{DD} = 5.0 V
T_A = -40℃, +25℃, +85℃, +105℃
CPU : HS mode, HALT
f_{CLK} = 32 MHz (High-speed OCO)

reference voltage (+) = AV_{REFP} = 5.0 V, reference voltage (-) = AV_{REFM} = 0 V
f_{AD} = 8 MHz
conversion time = 2.375 μs
mode : Normal mode 1

Prepared on June 19th, 2023



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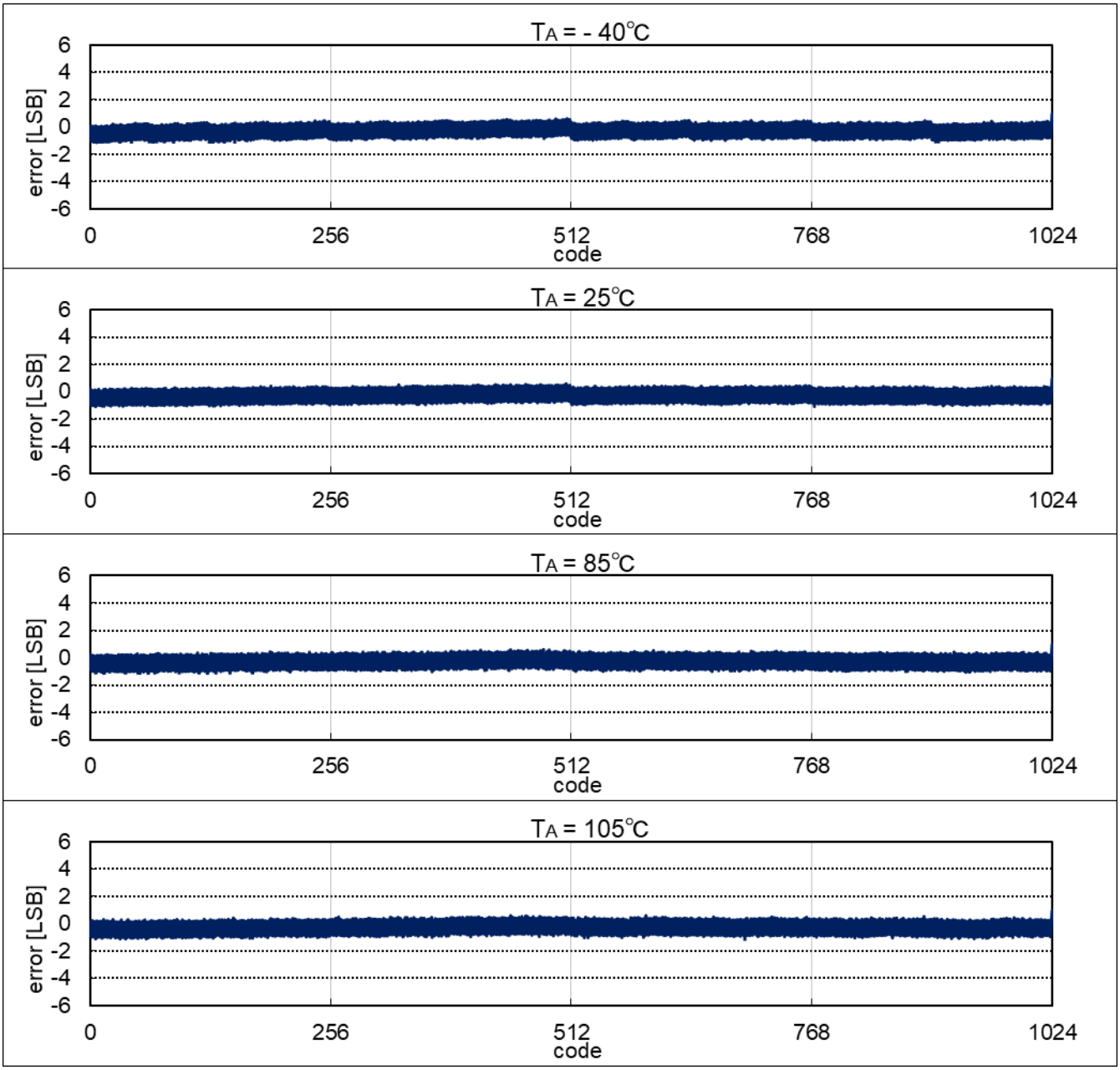
RL78/G22 group
10-bit A/D converter overall error

V_{DD} = 3.0 V
T_A = -40℃, +25℃, +85℃, +105℃
CPU : HS mode, RUN
f_{CLK} = 32 MHz (High-speed OCO)

reference voltage (+) = AV_{REFP} = 3.0 V, reference voltage (-) = AV_{REFM} = 0 V
f_{AD} = 5.33 MHz
conversion time = 3.5625 μs
mode : Normal mode 1

Prepared on June 19th, 2023



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RL78/G22 group
10-bit A/D converter overall error

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T_A = -40℃, +25℃, +85℃, +105℃
CPU : HS mode, HALT
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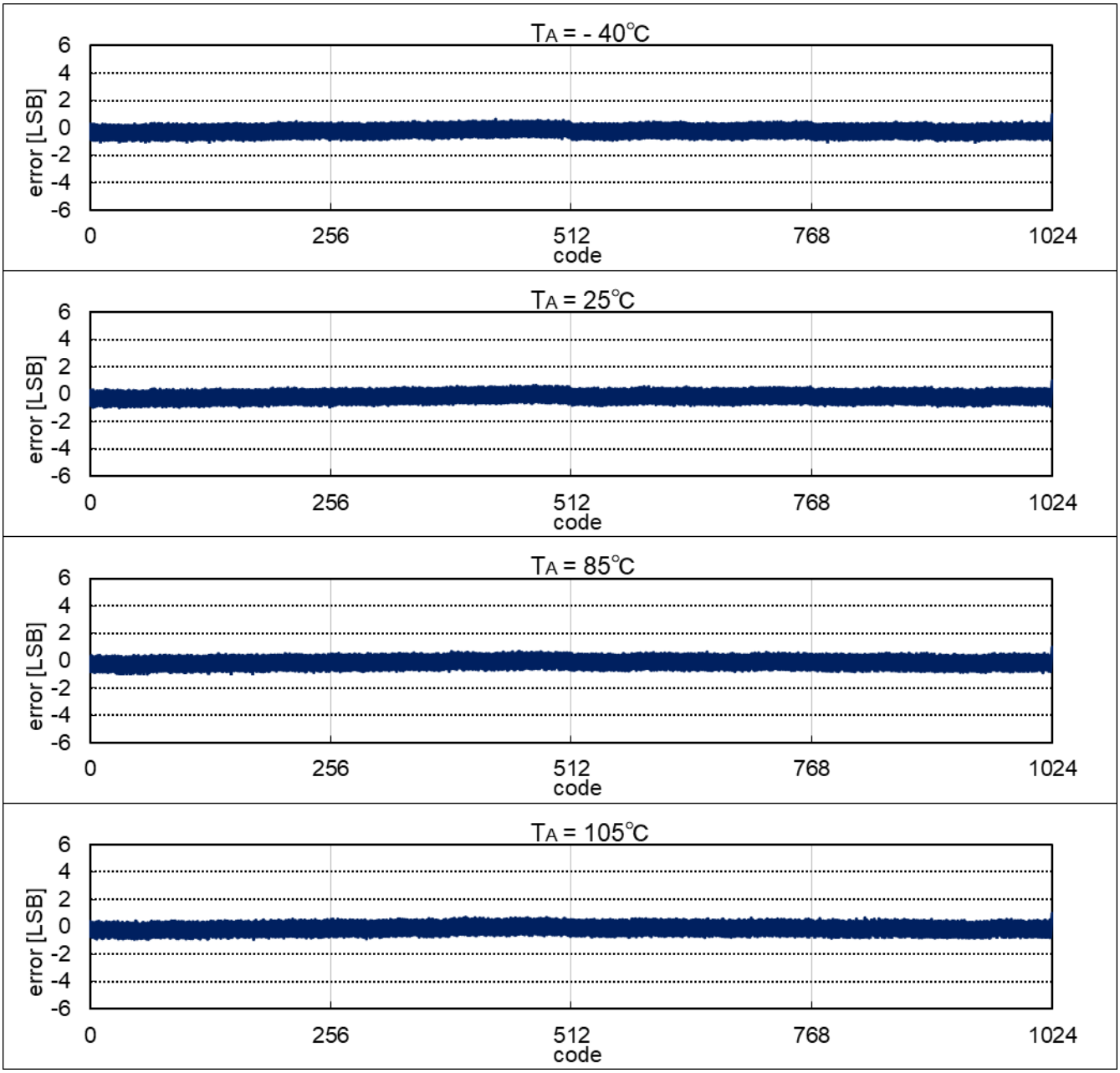
f_{AD} = 5.33 MHz
conversion time = 3.5625 μs
mode : Normal mode 1

Prepared on June 19th, 2023



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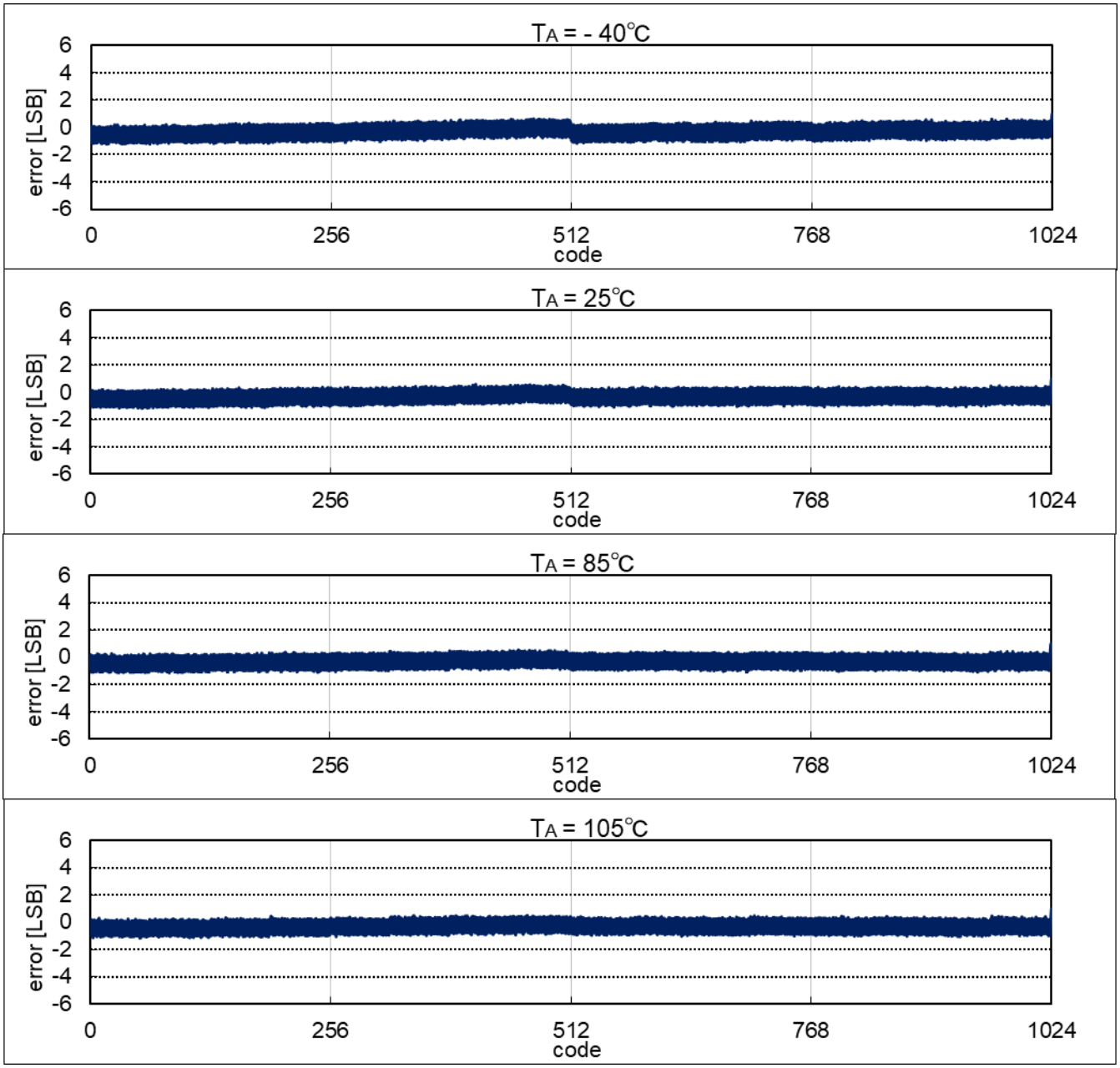
RL78/G22 group
10-bit A/D converter overall error

V_{DD} = 3.0 V
T_A = -40℃, +25℃, +85℃, +105℃
CPU : LS mode, RUN
f_{CLK} = 24 MHz (High-speed OCO)

reference voltage (+) = AV_{REFP} = 3.0 V, reference voltage (-) = AV_{REFM} = 0 V
f_{AD} = 6 MHz
conversion time = 3.16 µs
mode : Normal mode 1

Prepared on June 19th, 2023



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RL78/G22 group
10-bit A/D converter overall error

V_{DD} = 3.0 V
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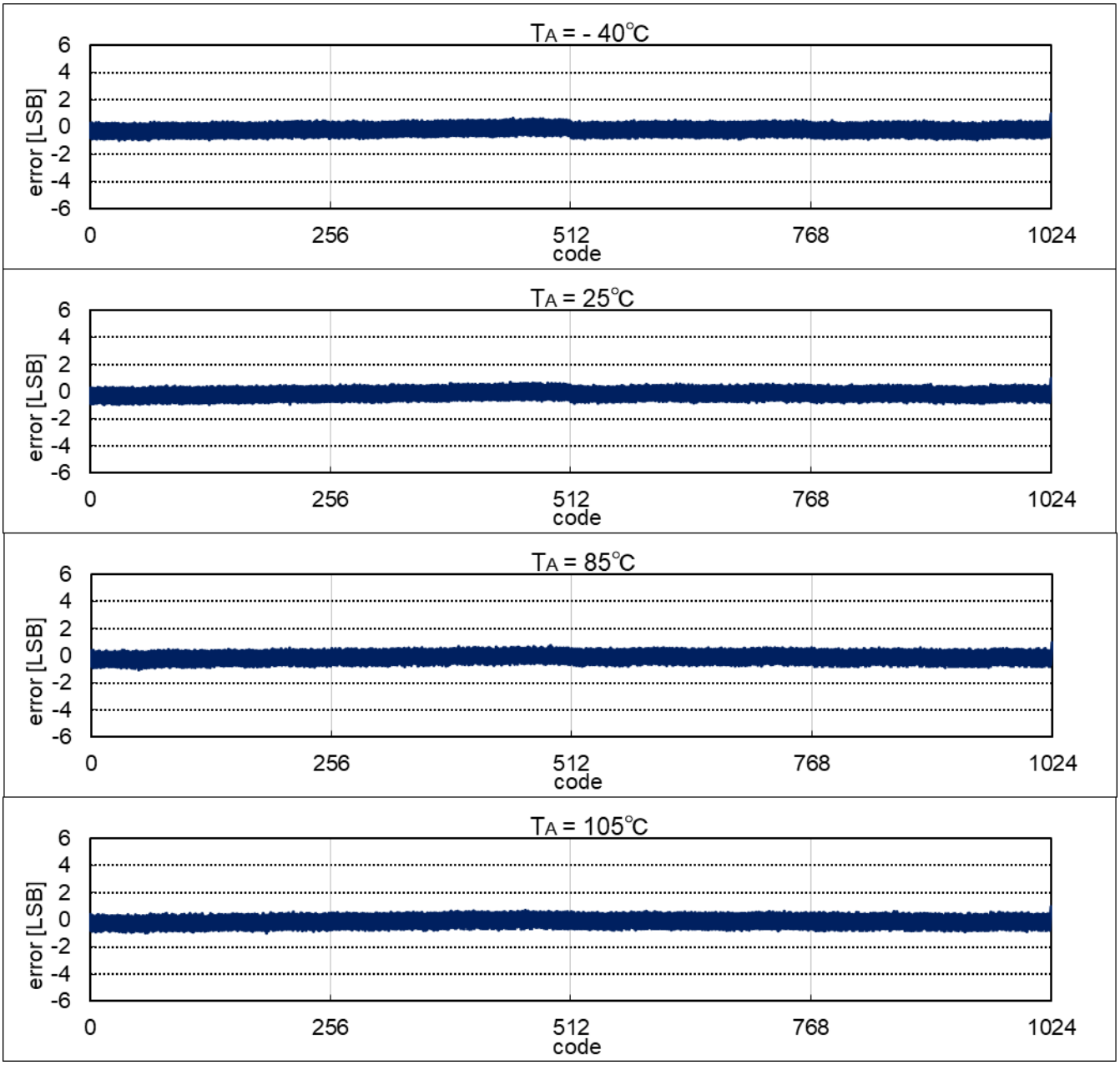
CPU : LS mode, HALT
f_{CLK} = 24 MHz (High-speed OCO)

reference voltage (+) = AV_{REFP} = 3.0 V, reference voltage (-) = AV_{REFM} = 0 V
f_{AD} = 6 MHz
conversion time = 3.16 µs
mode : Normal mode 1

Prepared on June 19th, 2023



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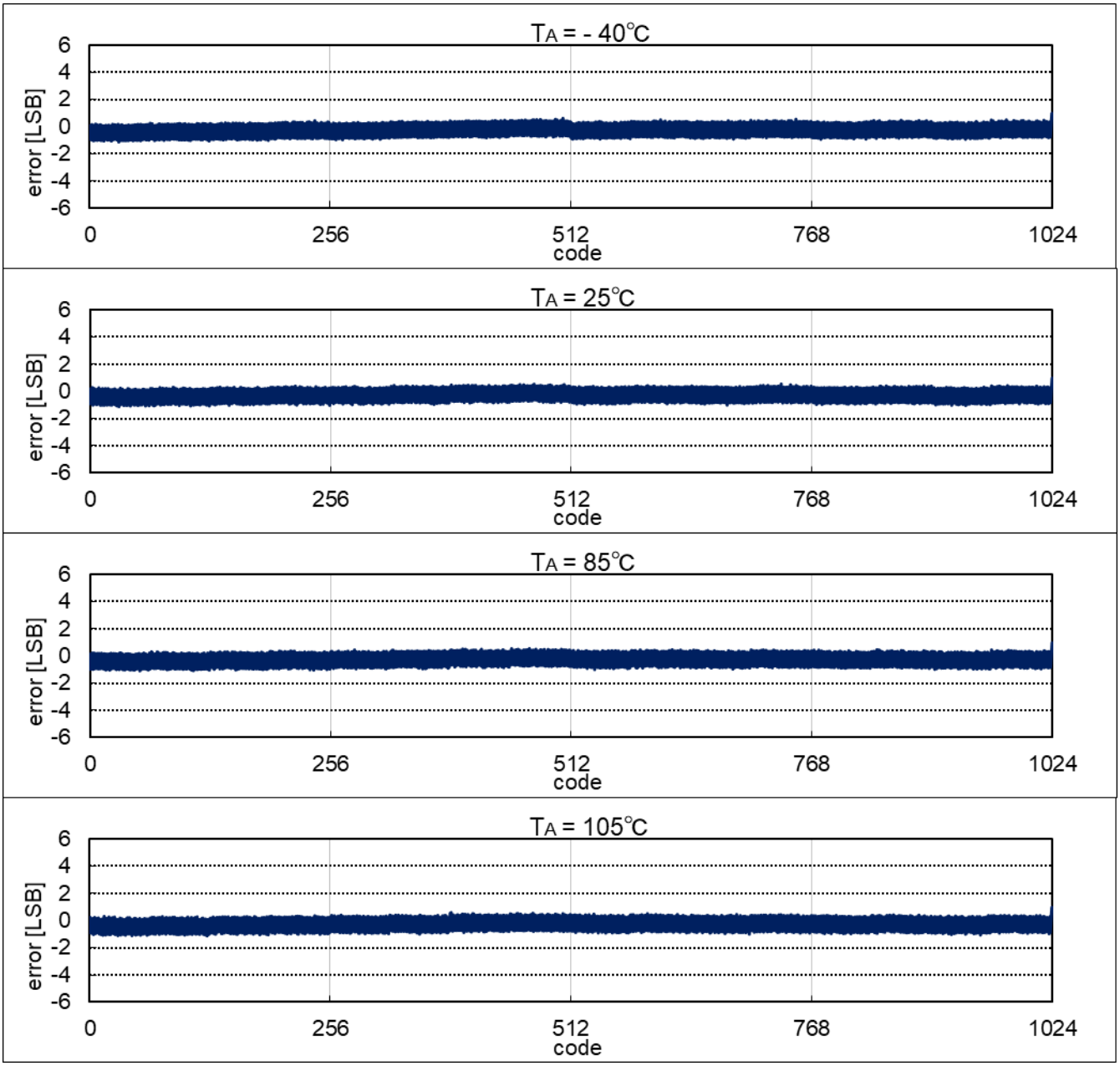
RL78/G22 group
10-bit A/D converter overall error

V_{DD} = 3.0 V
T_A = -40℃, +25℃, +85℃, +105℃
CPU : LS mode, RUN
f_{CLK} = 8 MHz (High-speed OCO)

reference voltage (+) = AV_{REFP} = 3.0 V, reference voltage (-) = AV_{REFM} = 0 V
f_{AD} = 4 MHz
conversion time = 4.75μs
mode : Normal mode 1

Prepared on June 19th, 2023



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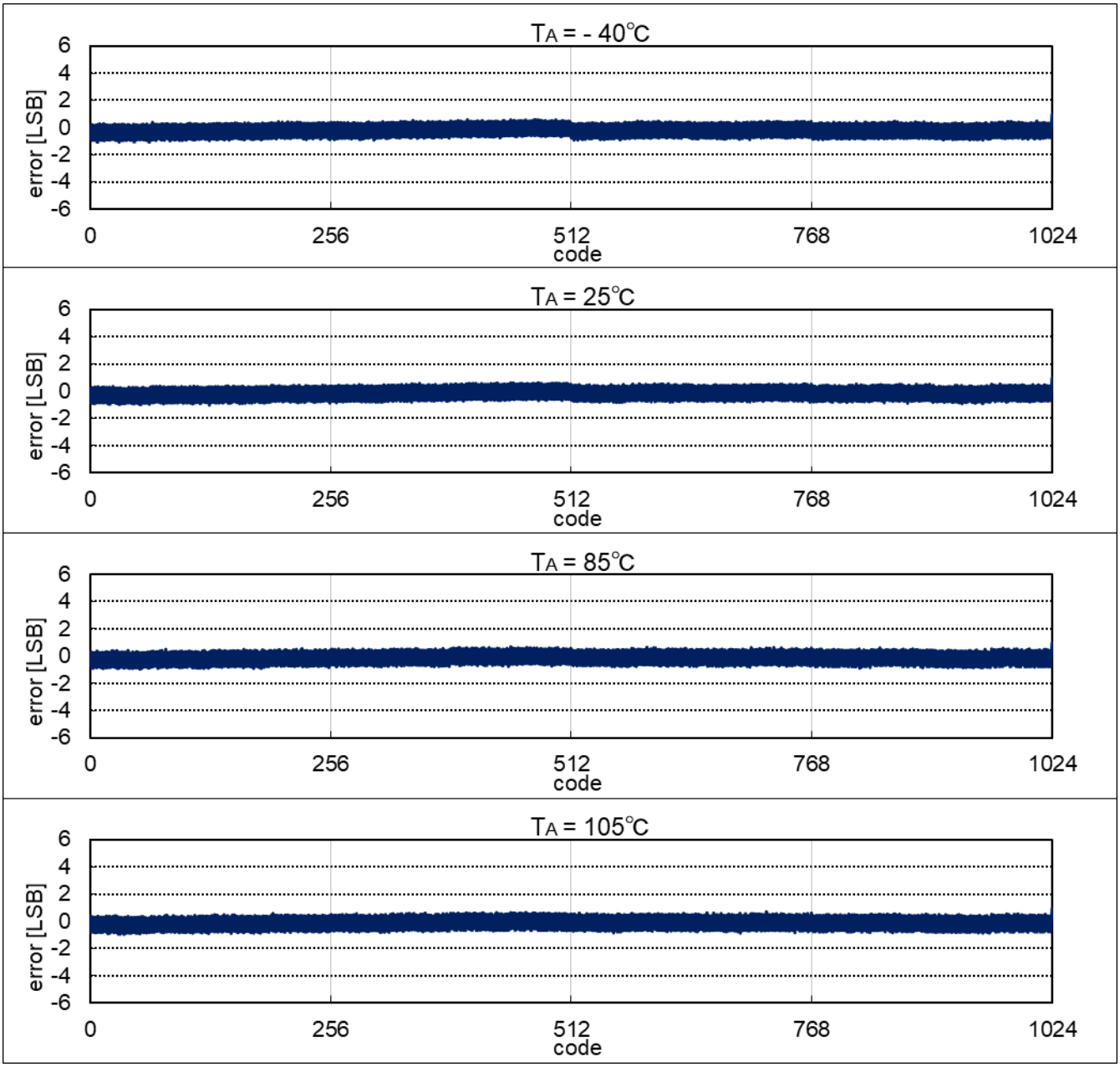
RL78/G22 group
10-bit A/D converter overall error

V_{DD} = 3.0 V
T_A = -40℃, +25℃, +85℃, +105℃
CPU : LS mode, HALT
f_{CLK} = 8 MHz (High-speed OCO)

reference voltage (+) = AV_{REFP} = 3.0 V, reference voltage (-) = AV_{REFM} = 0 V
f_{AD} = 4 MHz
conversion time = 4.75μs
mode : Normal mode 1

Prepared on June 19th, 2023



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