Appendix A

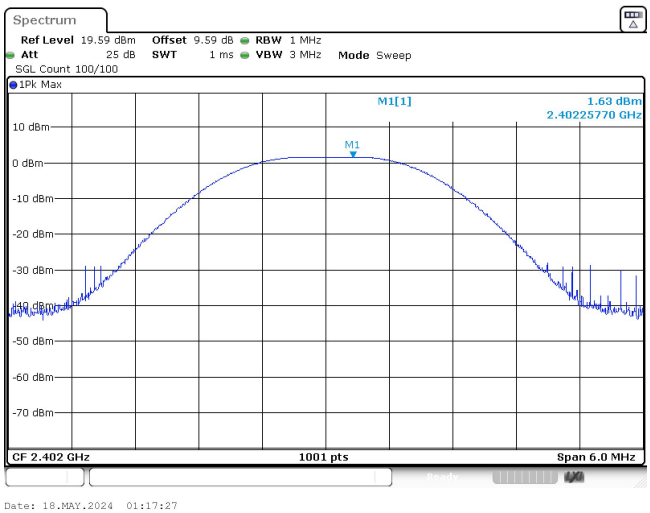
Report No.:	CISRR24051709701
FCC ID:	2BFZ8-BMK2404
Product Name:	Wireless Keyboard
Model No.:	BMK2404
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

1) Conducted Peak Output Power

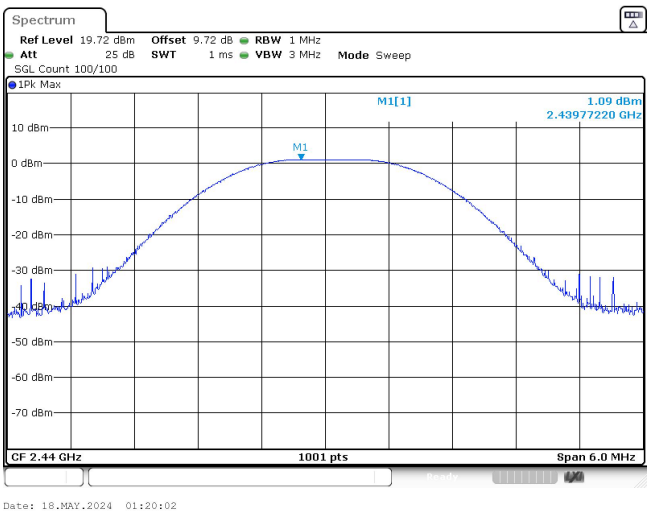
Test Result

Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
GFSK	LE	0	1.63	1.46	30	PASS
		19	1.09	1.29		PASS
		39	1.00	1.26		PASS

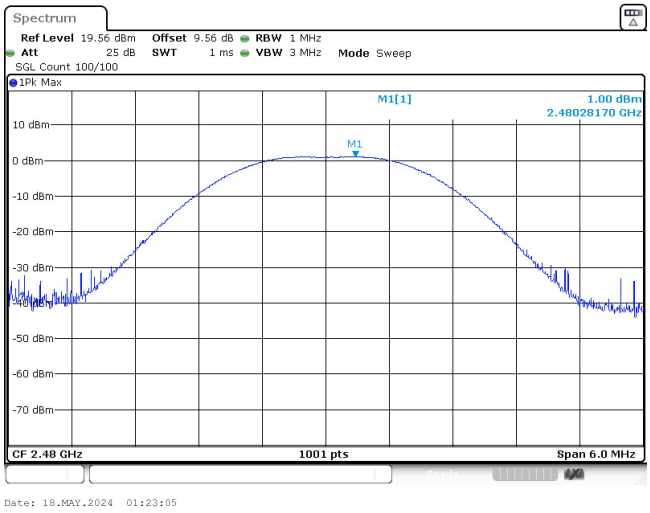
Test Graphs



Peak Output Power
LE_Channel 0



Peak Output Power
LE_Channel 19



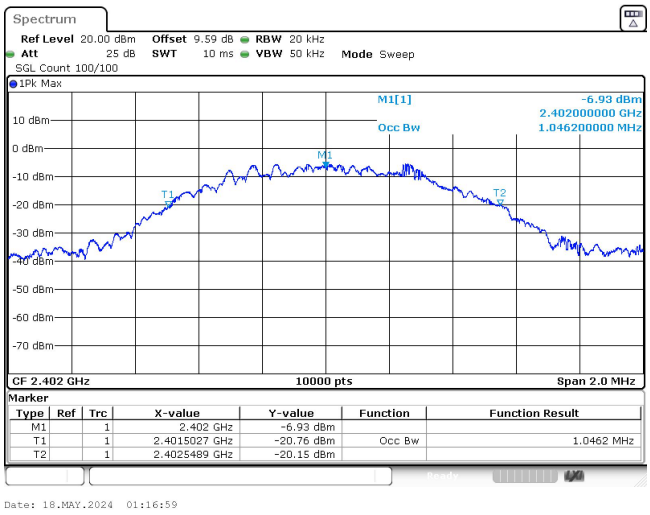
Peak Output Power
LE_Channel 39

2) 99% Bandwidth

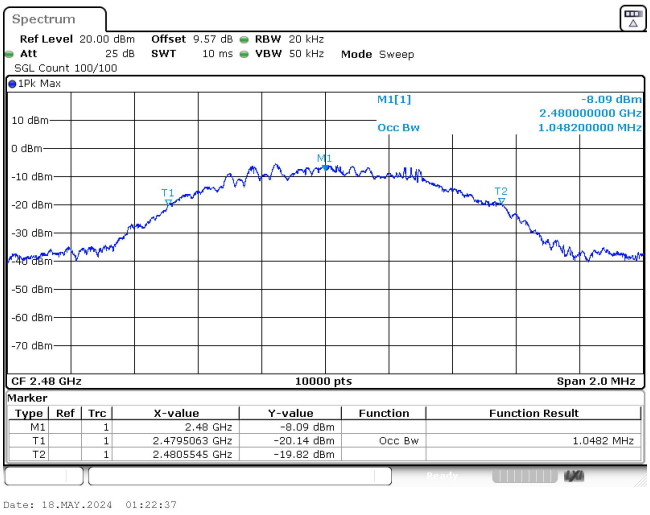
Test Result

Mode	Channel	99% BW (MHz)
LE	0	1.046
LE	19	1.055
LE	39	1.048

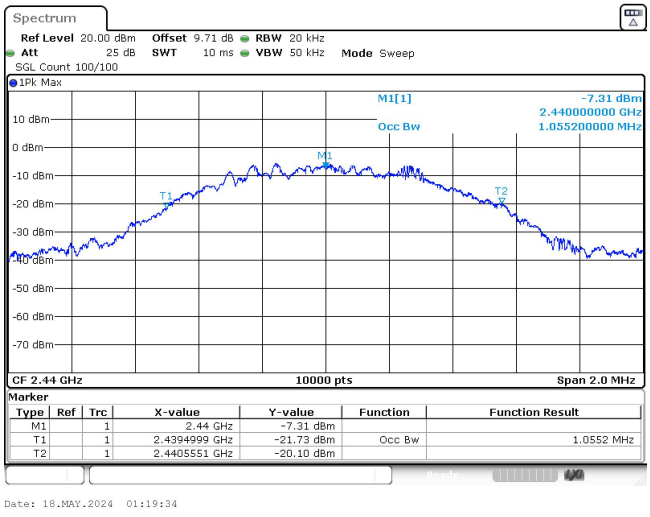
Test Graphs



LE_Channel 0



LE_Channel 39



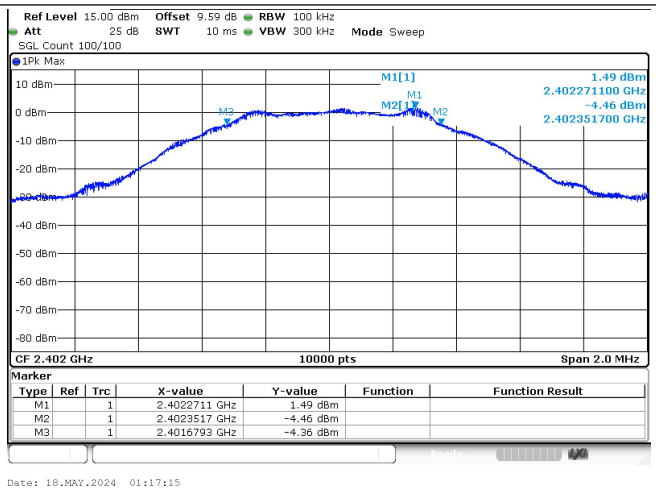
LE_Channel 19

3) 6dB Bandwidth

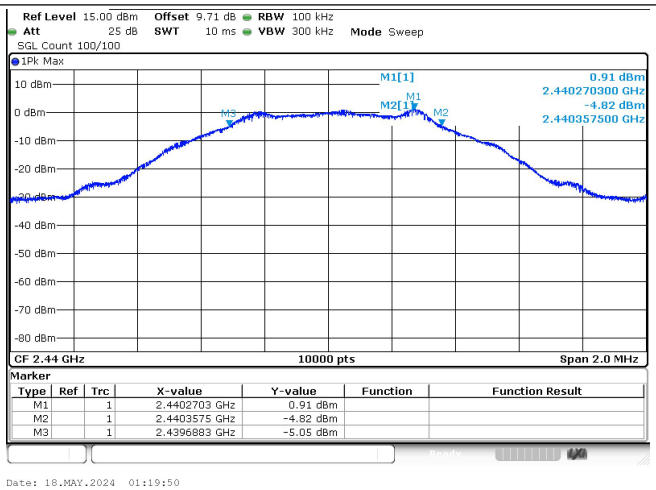
Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
LE	0	2402	0.6700	0.5	PASS
	19	2440	0.6700		PASS
	39	2480	0.6700		PASS

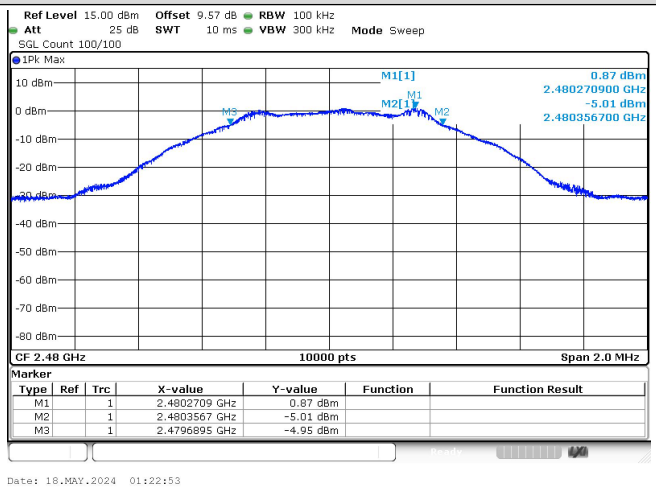
Test Graphs



LE_Channel 0



LE_Channel 19



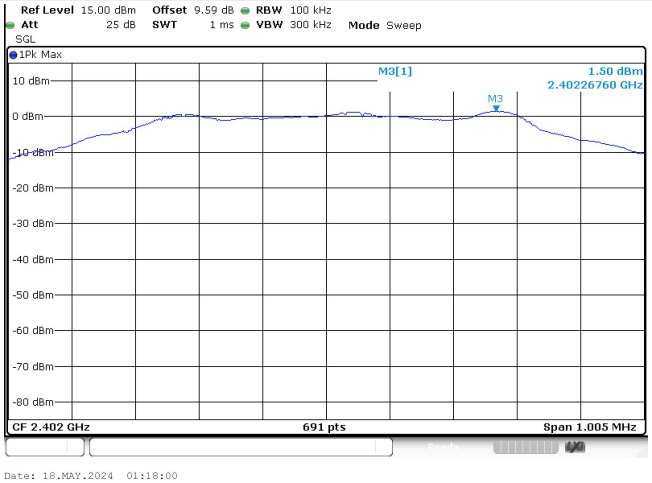
LE_Channel 39

4) Conducted Out Of Band Emission

Test Result

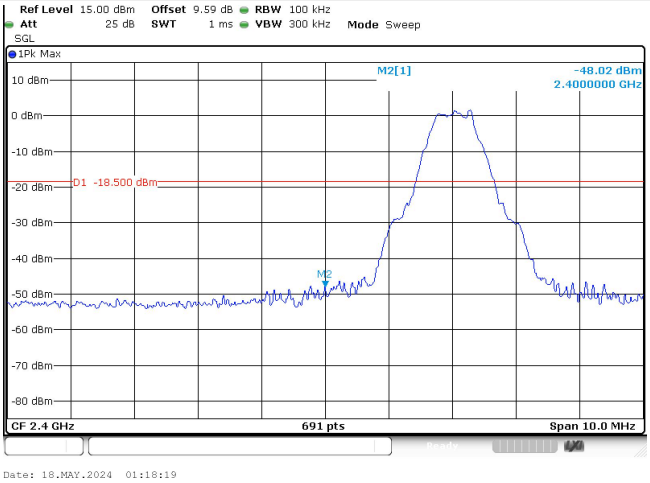
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
LE	0	2400.00	-48.022	-18.5	-29.522	PASS
		7205.96	-39.857	-18.5	-21.357	PASS
	19	9760.39	-41.049	-19.14	-21.909	PASS
	39	2483.50	-51.965	-19.15	-32.816	PASS
		9920.20	-39.410	-19.15	-20.260	PASS

Test Graphs



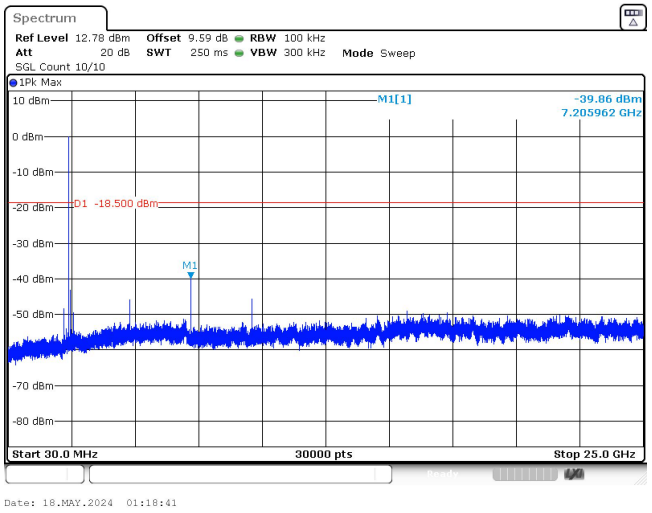
In-Band Reference Level

LE_Channel 0



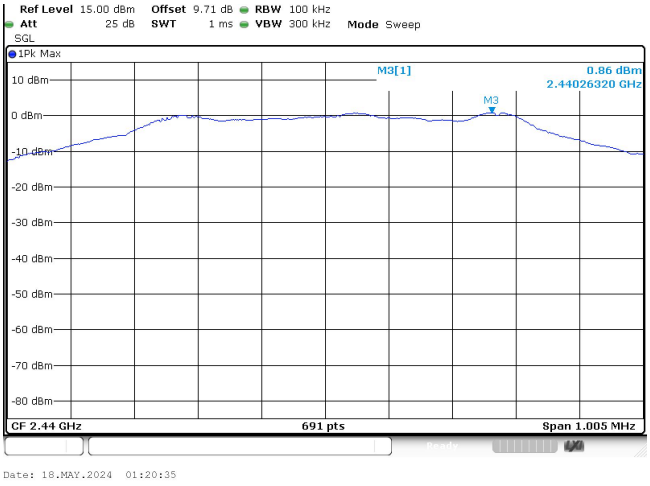
Out Of Band Emission

LE_Channel 0



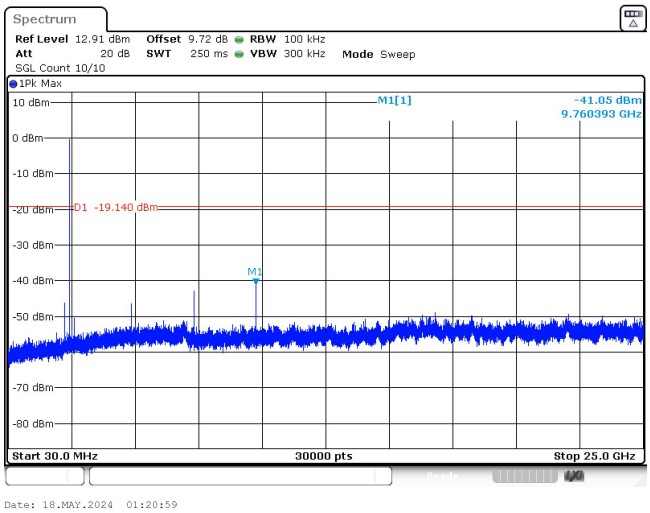
Spurious Emission

LE_Channel 0



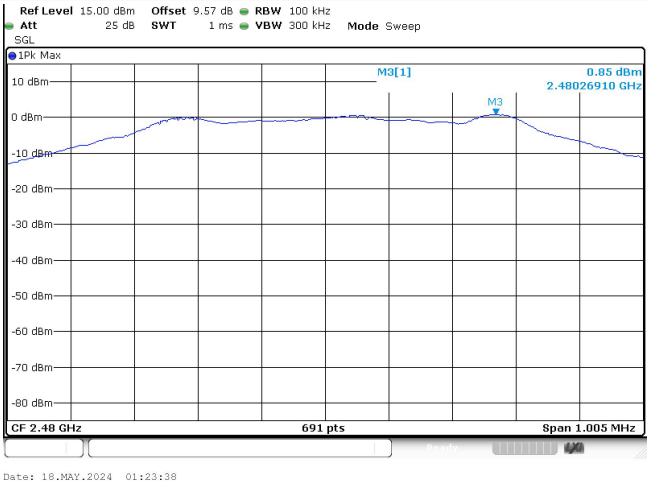
In-Band Reference Level

LE_Channel 19



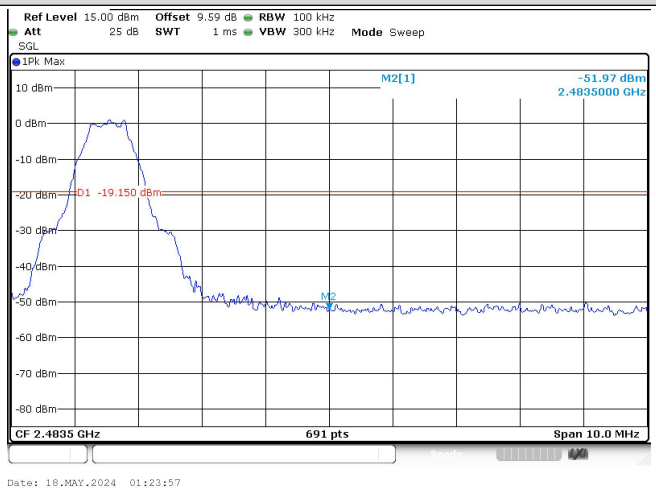
Spurious Emissions

LE_Channel 19



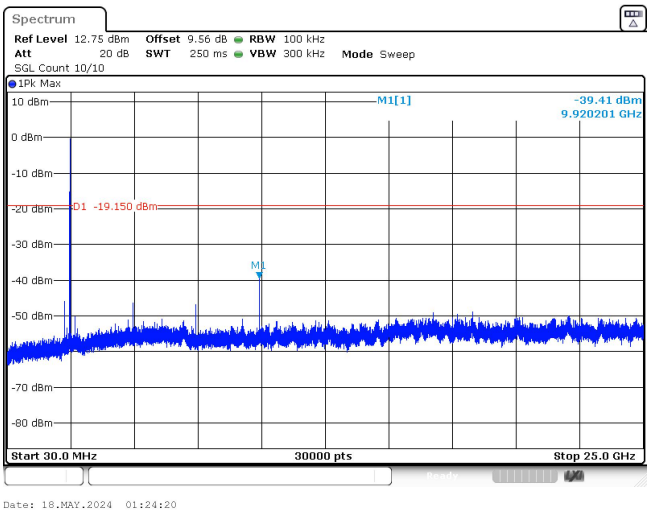
In-Band Reference Level

LE_Channel 39



Out Of Band Emission

LE_Channel 39



Spurious Emission

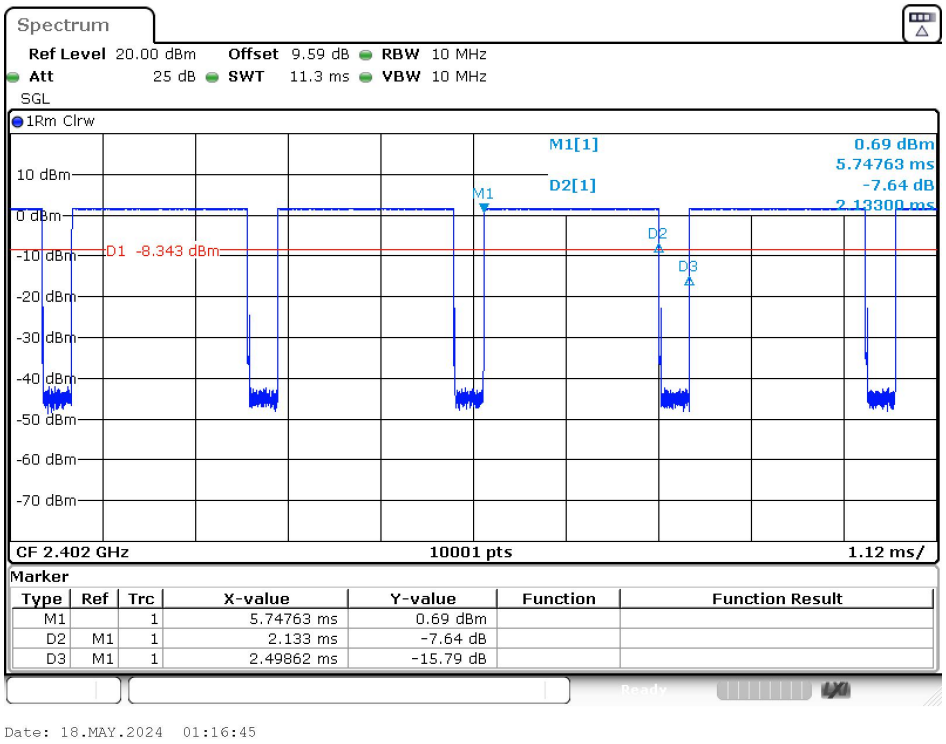
LE_Channel 39

5) Duty Cycle

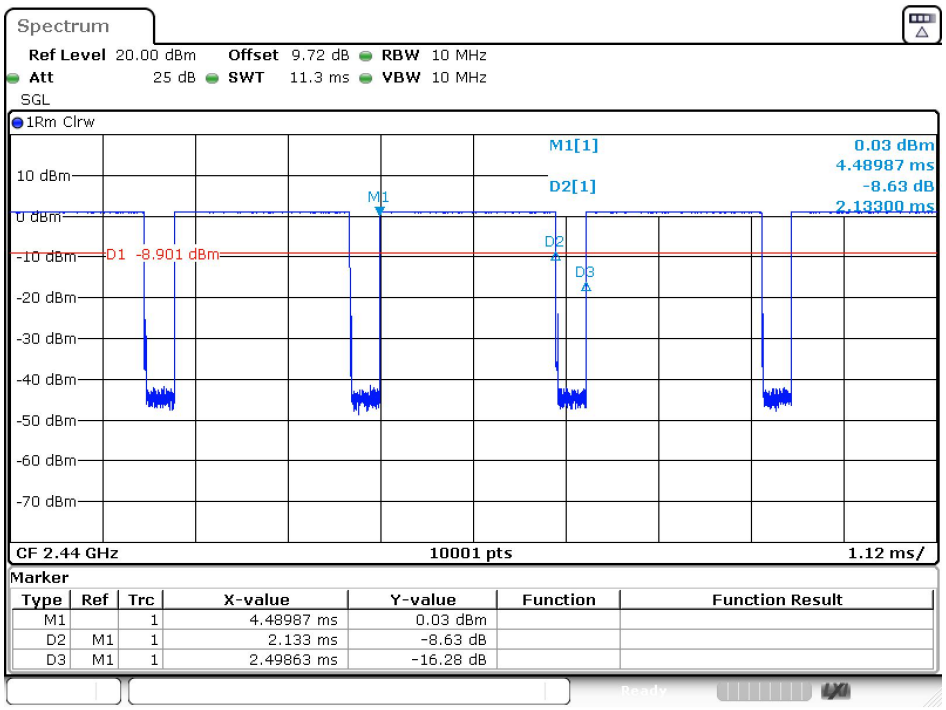
Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
LE	0	2.133	2.499	85.37	0.8537	0.6869	0.47
	19	2.133	2.499	85.37	0.8537	0.6869	0.47
	39	2.133	2.499	85.37	0.8537	0.6869	0.47

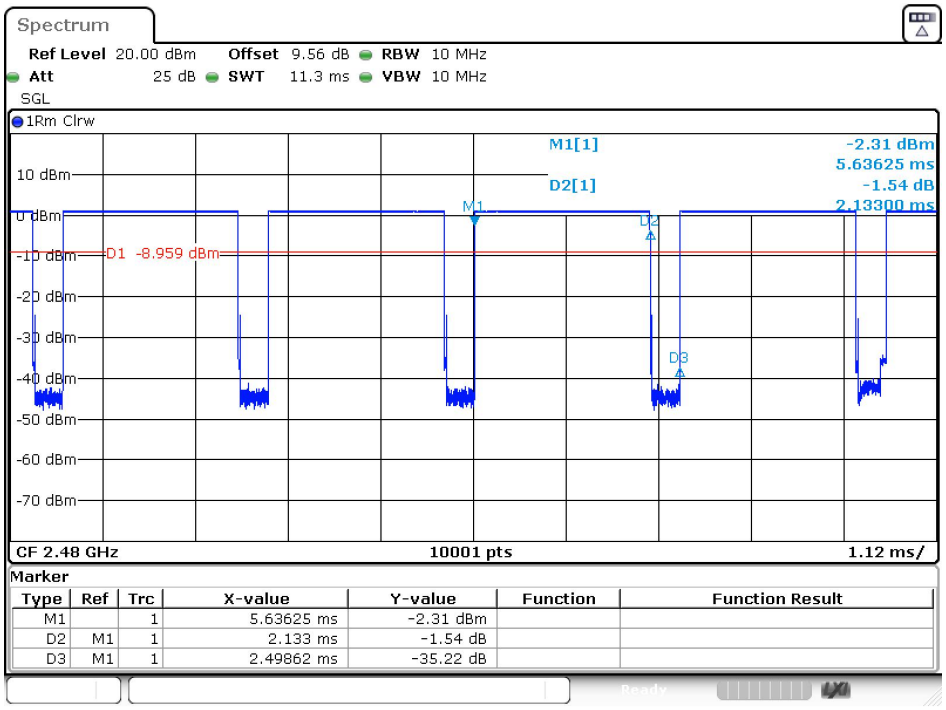
Test Graphs



LE


Spectrum
Ref Level 20.00 dBm Offset 9.72 dB RBW 10 MHz
Att 25 dB SWT 11.3 ms VBW 10 MHz
SGL
1Rm Clrw
M1[1] 0.03 dBm
4.48987 ms
D2[1] -8.63 dB
2.13300 ms
D1 -8.901 dBm
CF 2.44 GHz 10001 pts 1.12 ms/
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 4.48987 ms 0.03 dBm
D2 M1 1 2.133 ms -8.63 dB
D3 M1 1 2.49863 ms -16.28 dB
Date: 18.MAY.2024 01:19:20

LE


Spectrum
Ref Level 20.00 dBm Offset 9.56 dB RBW 10 MHz
Att 25 dB SWT 11.3 ms VBW 10 MHz
SGL
1Rm Clrw
M1[1] -2.31 dBm
5.63625 ms
D2[1] -1.54 dB
2.13300 ms
D1 -8.959 dBm
CF 2.48 GHz 10001 pts 1.12 ms/
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 5.63625 ms -2.31 dBm
D2 M1 1 2.133 ms -1.54 dB
D3 M1 1 2.49862 ms -35.22 dB
Date: 18.MAY.2024 01:22:23

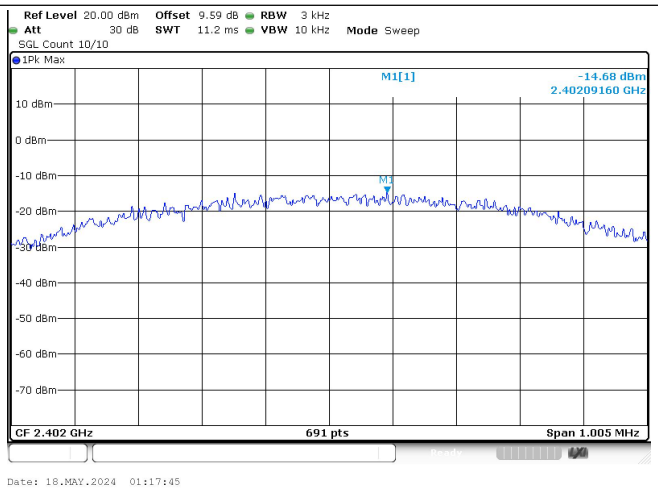
LE

6) Power Spectral Density

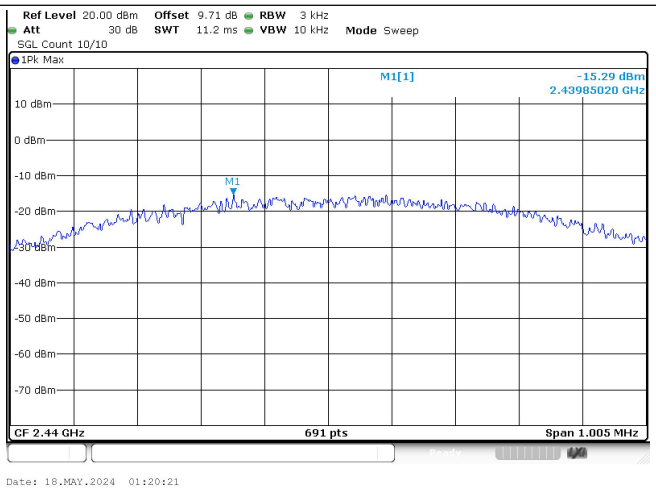
Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
LE	0	-14.684	8	PASS
LE	19	-15.293	8	PASS
LE	39	-15.277	8	PASS

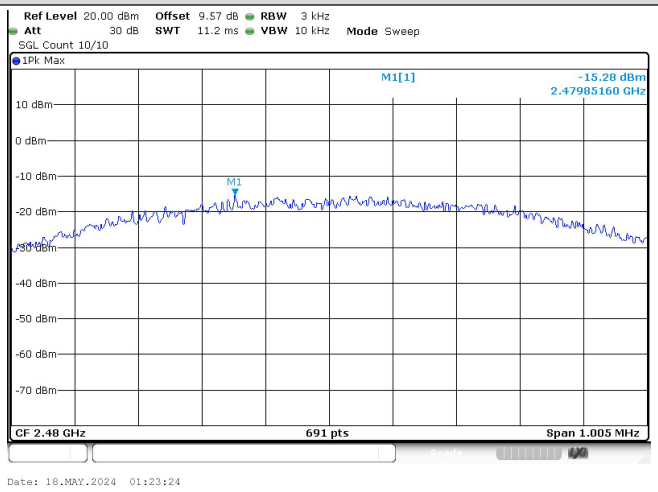
Test Graphs



LE_Channel 0



LE_Channel 19



LE_Channel 39