

Appendix B

Report No.:	CISRR24042516202
FCC ID:	2BF5C-MMA4019
Product Name:	BLUETOOTH SPEAKER
Model No.:	MMA4019
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

1) Conducted Peak Output Power

Test Result

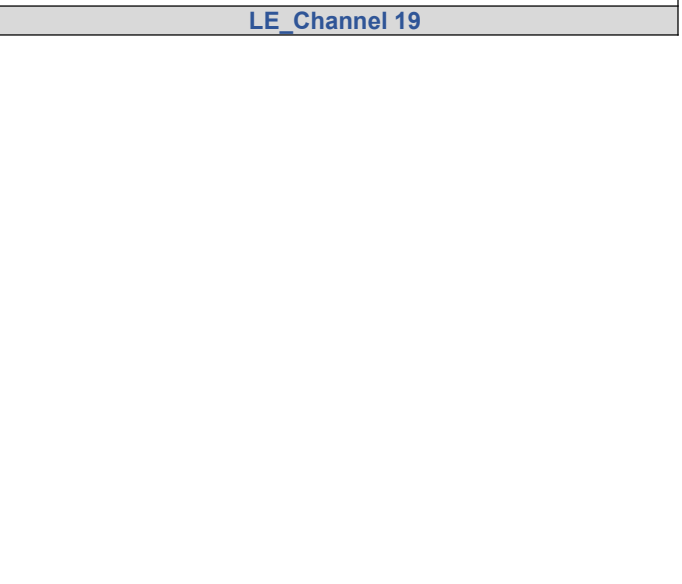
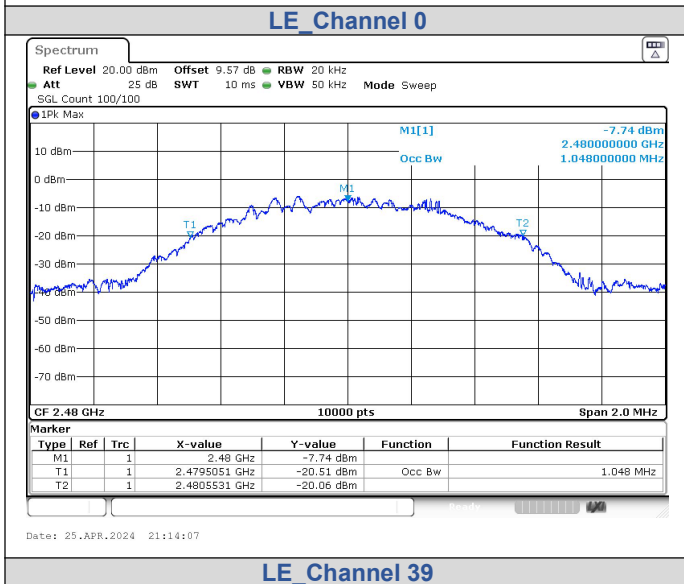
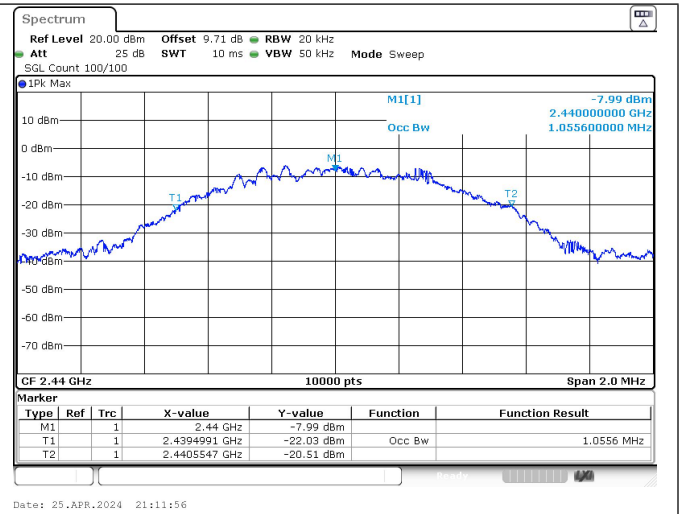
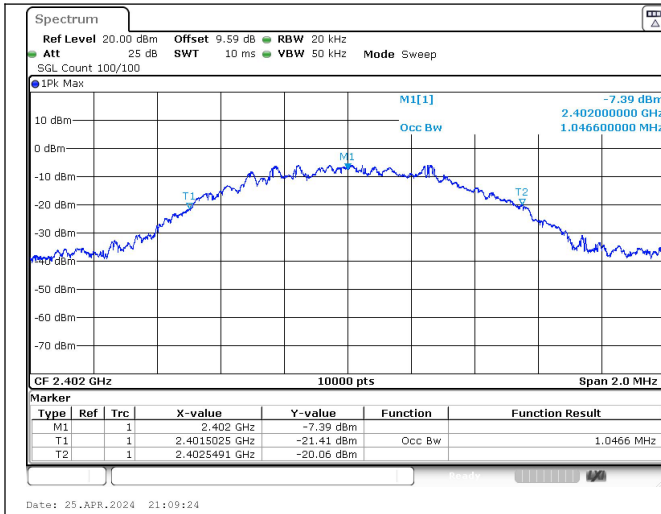
Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
LE	0	1.243	1.33	30	PASS
	19	0.673	1.17	30	PASS
	39	0.710	1.18	30	PASS

2) 99% Bandwidth

Test Result

Mode	Channel	99% BW (MHz)
LE	0	1.0470
LE	19	1.0560
LE	39	1.0480

Test Graphs

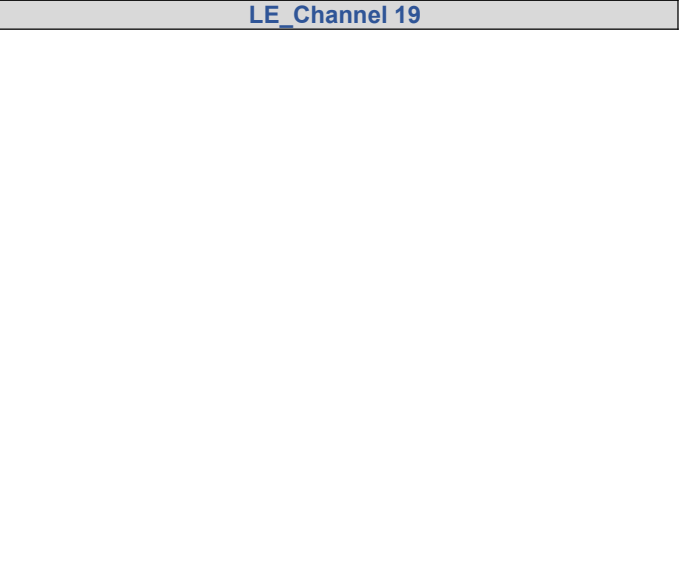
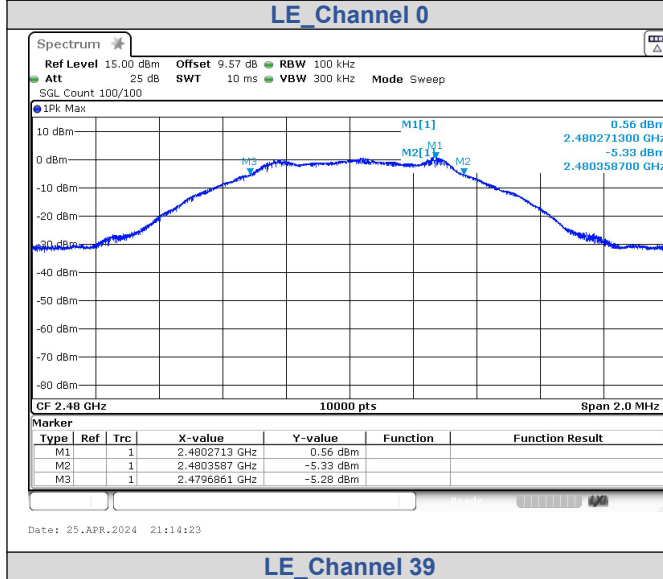
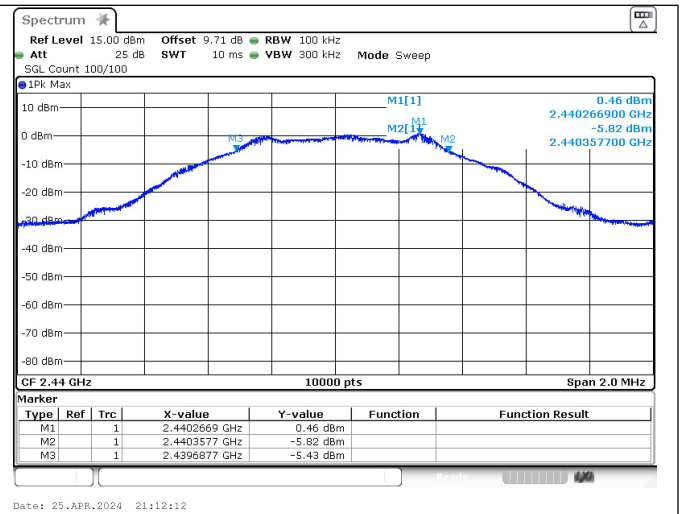
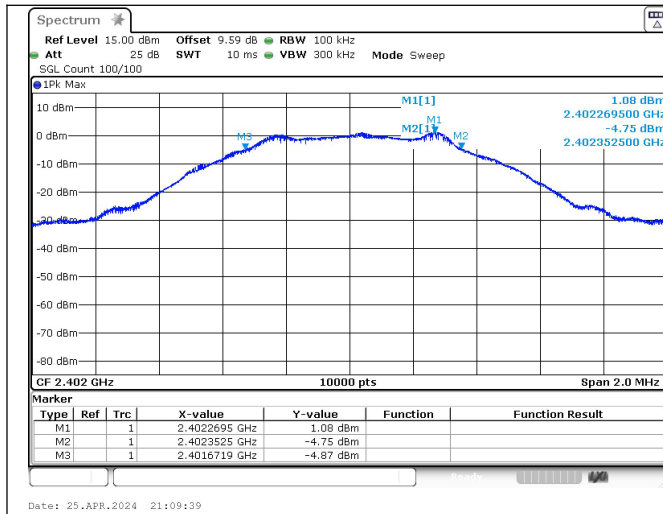


6dB Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
LE	0	2402	0.6800	0.5	PASS
	19	2440	0.6700		PASS
	39	2480	0.6700		PASS

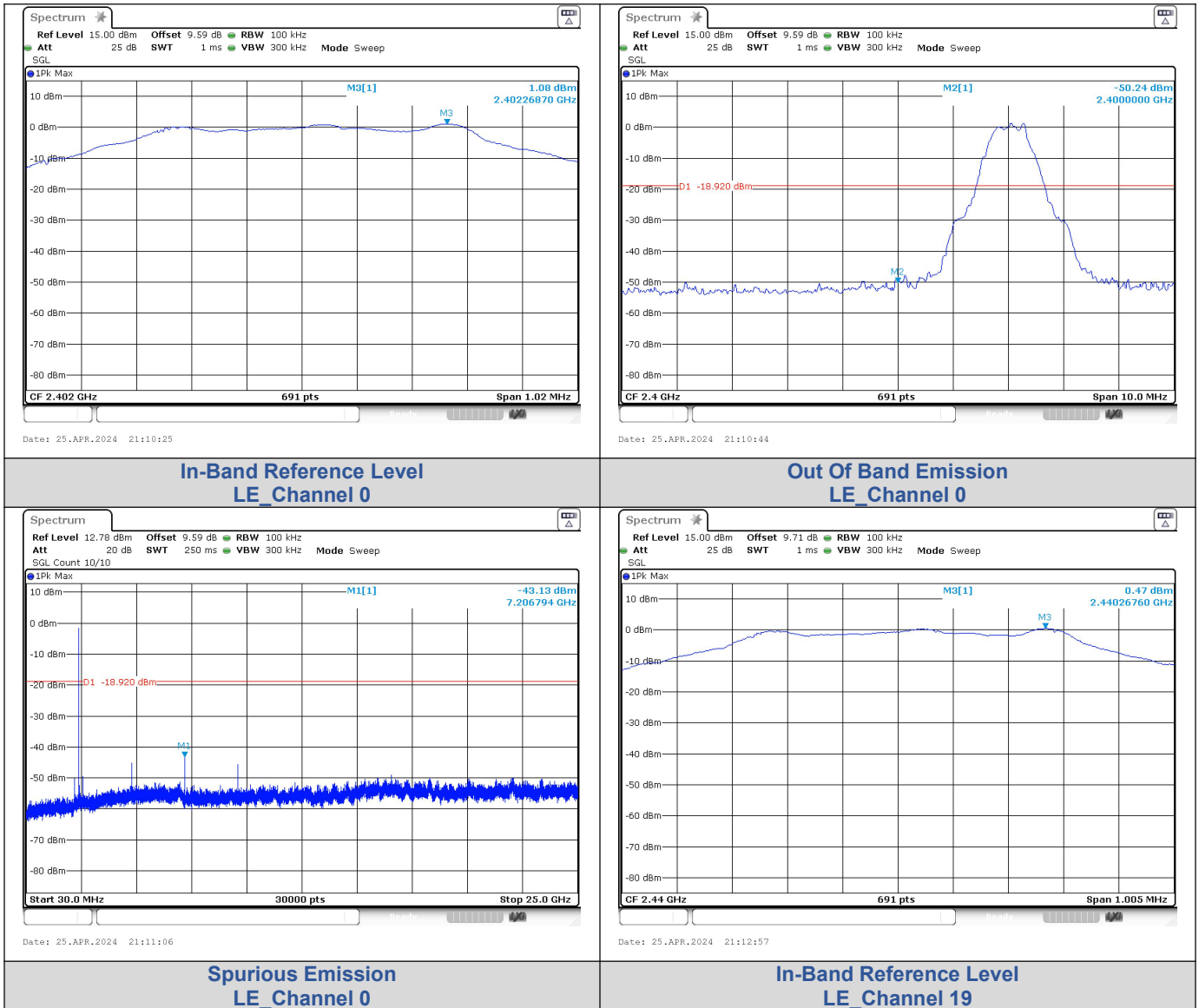
Test Graphs

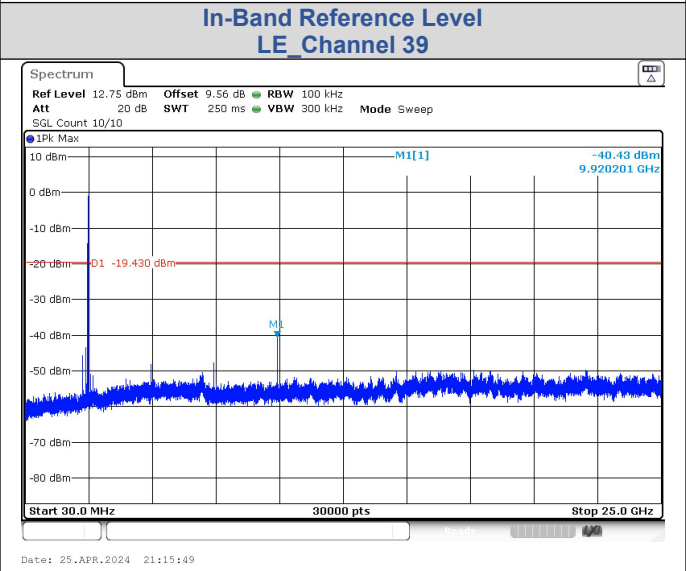
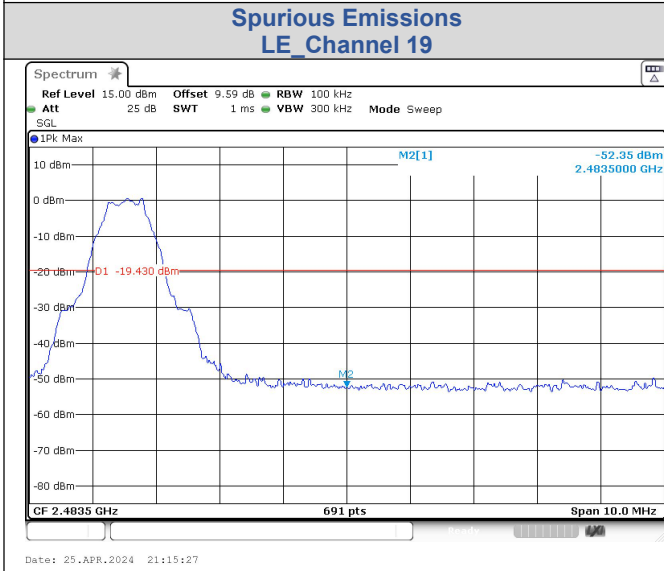
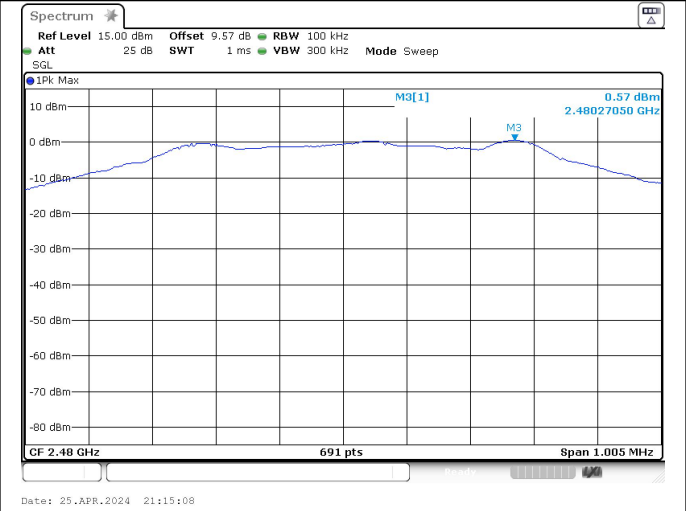
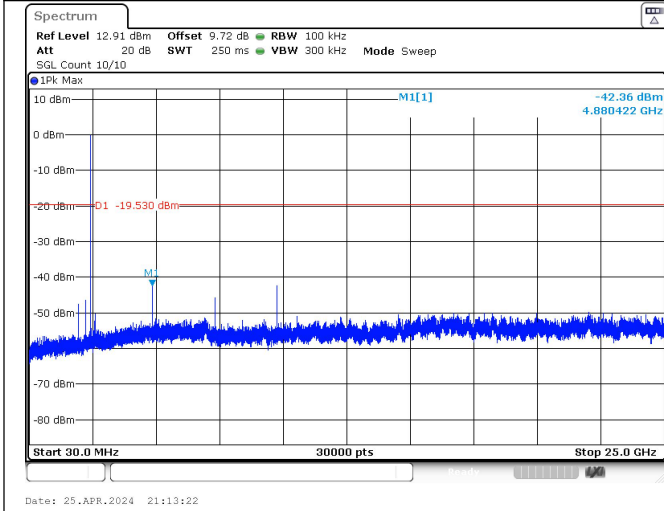


Conducted Out Of Band Emission Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
LE	0	2400.00	-50.240	-18.92	-31.320	PASS
		7206.79	-43.126	-18.92	-24.206	PASS
	19	4880.42	-42.358	-19.53	-22.828	PASS
	39	2483.50	-52.350	-19.43	-32.920	PASS
		9920.20	-40.431	-19.43	-21.001	PASS

Test Graphs



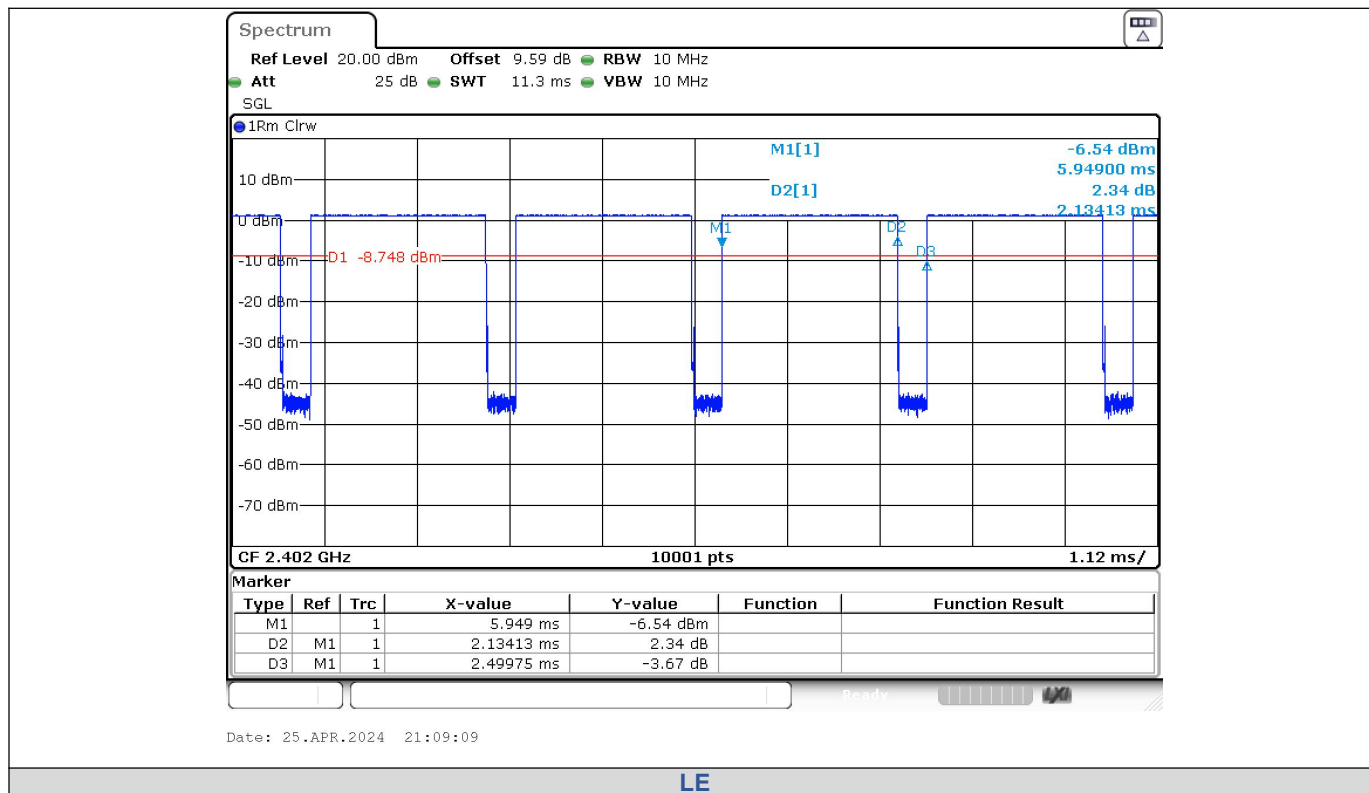


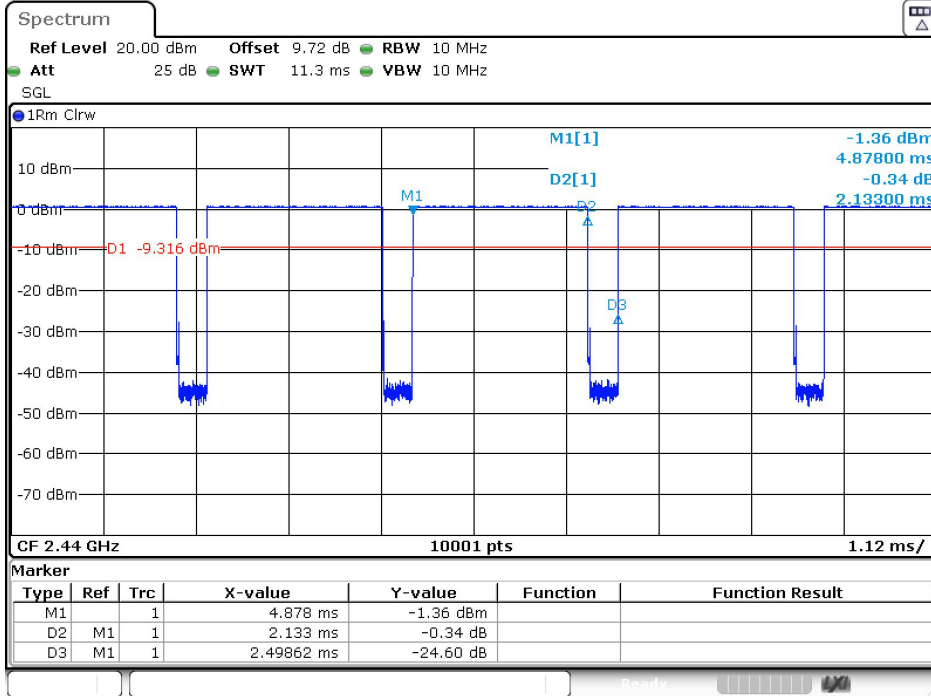
Duty Cycle

Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
LE	0	2.134	2.500	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

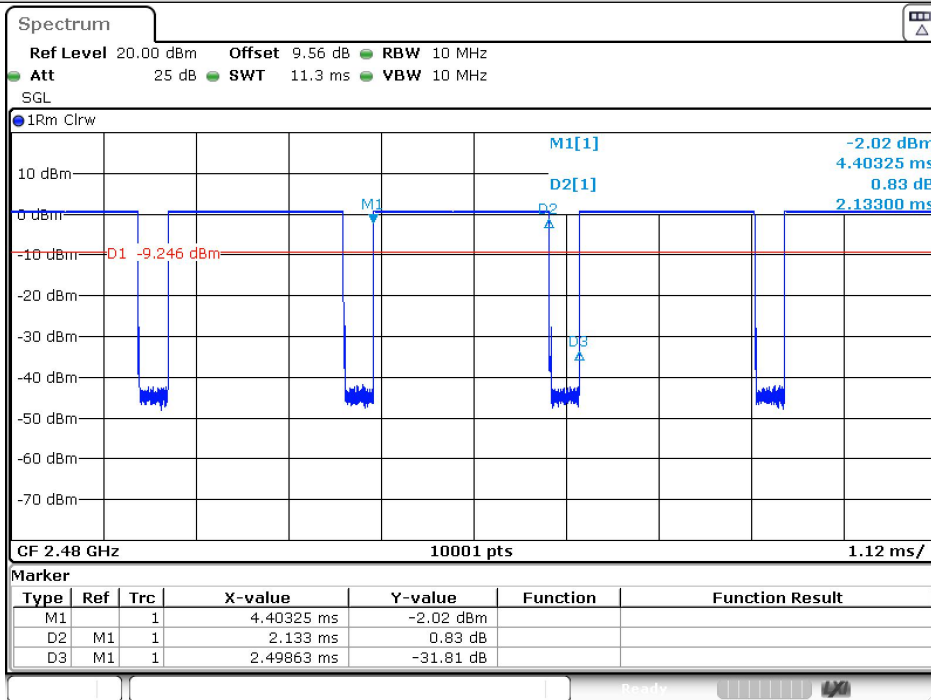
Test Graphs





Date: 25.APR.2024 21:11:42

LE



Date: 25.APR.2024 21:13:52

LE

Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
LE	0	-15.153	8	PASS
LE	19	-15.709	8	PASS
LE	39	-15.677	8	PASS

Test Graphs

