

Appendix B

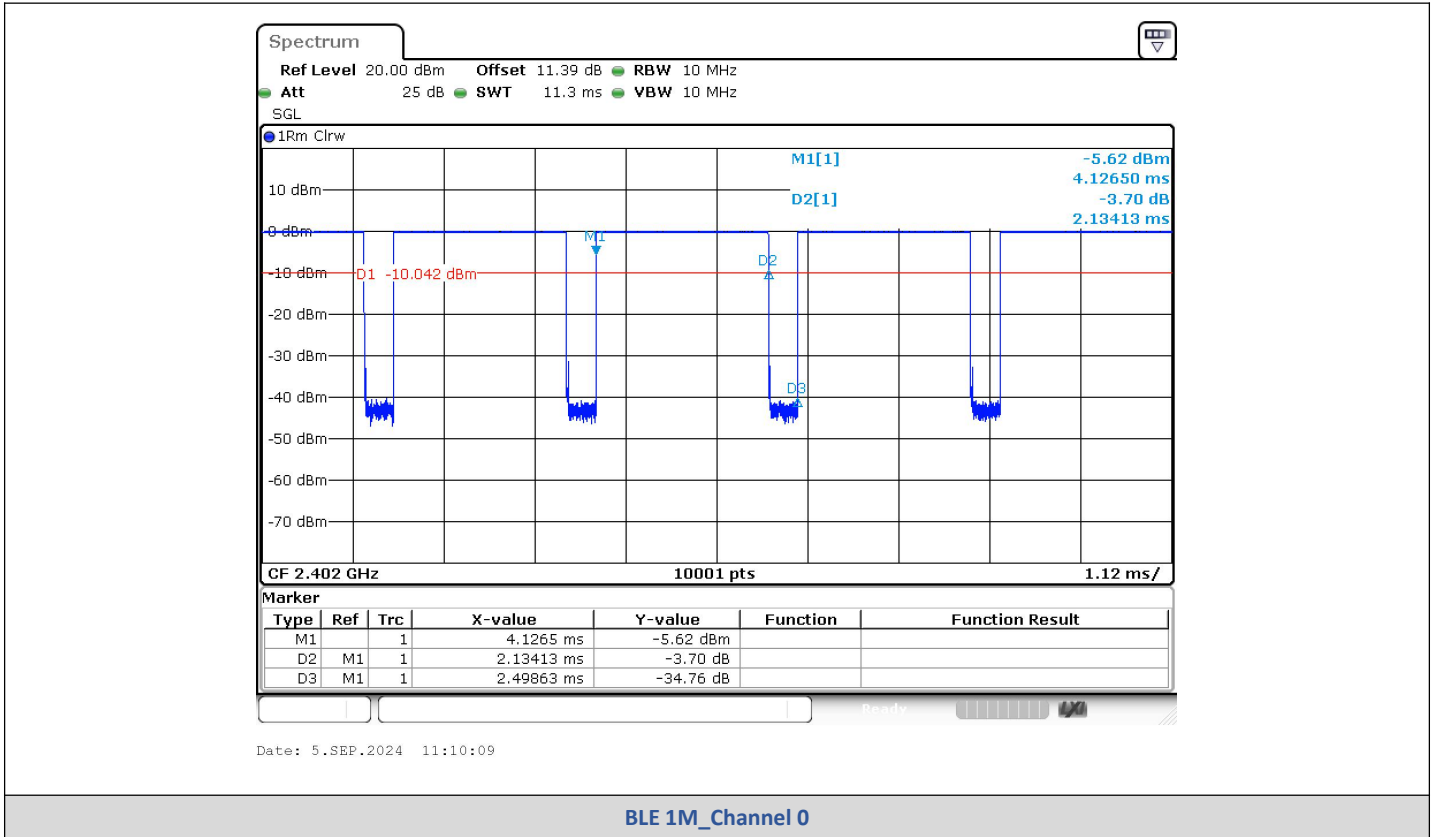
Report No.:	CISRR24082215302
FCC ID:	2A3VP-Q37
Product Name:	Wireless Gaming Controller
Model No.:	Q37
Test Engineer:	Jimmy Huang
Supervised by:	Rory Huang

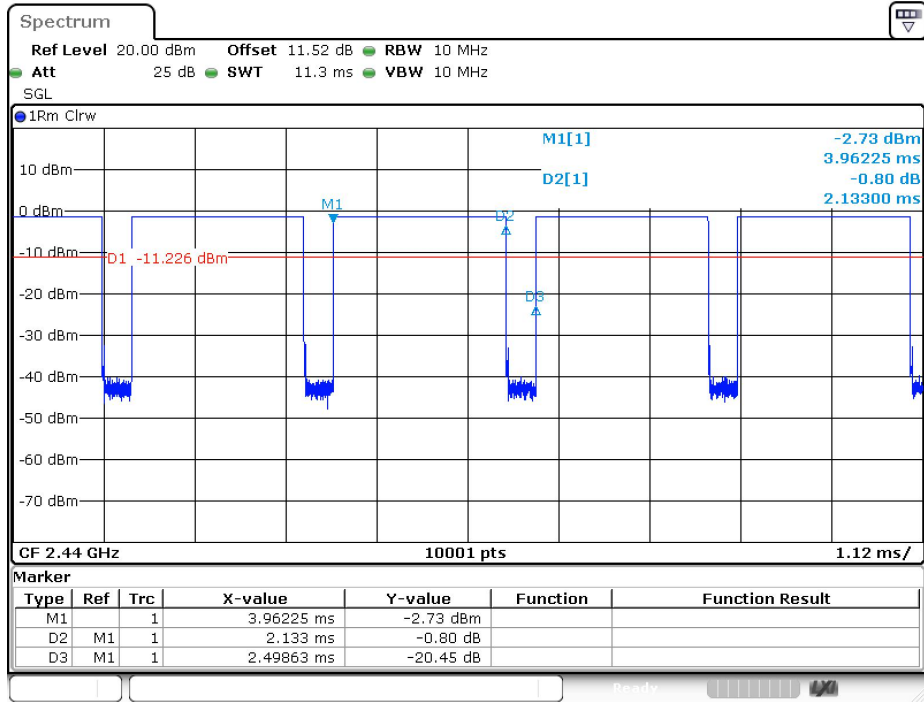
1) Duty Cycle

Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	2.134	2.499	85.41	0.8541	0.6849	0.47
	19	2.133	2.499	85.37	0.8537	0.6869	0.47
	39	2.134	2.500	85.37	0.8537	0.6869	0.47

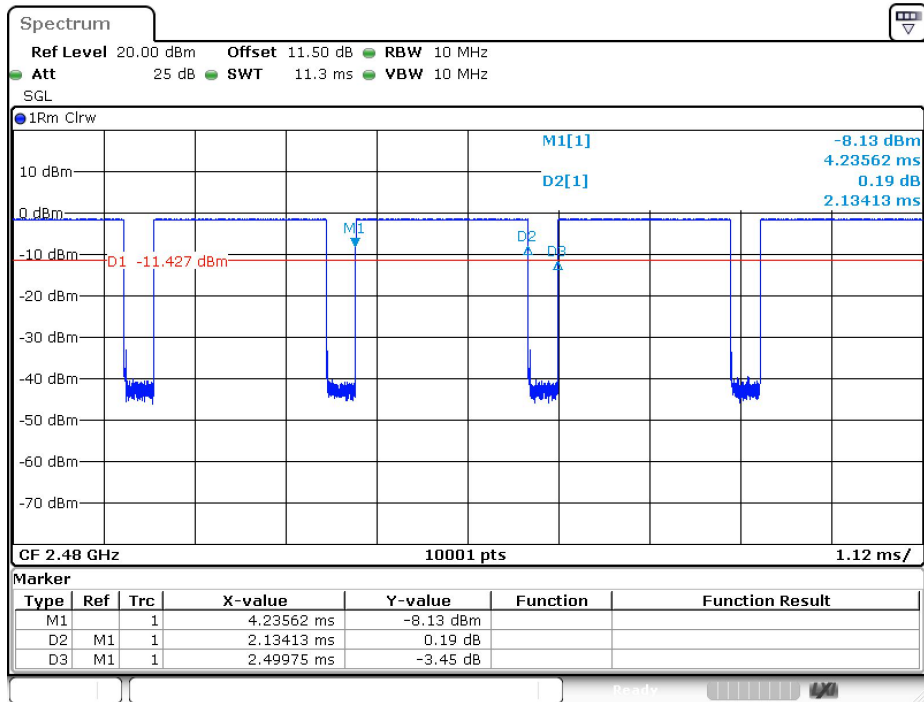
Test Graphs





Date: 5.SEP.2024 11:13:13

BLE 1M_Channel 19



Date: 5.SEP.2024 11:17:13

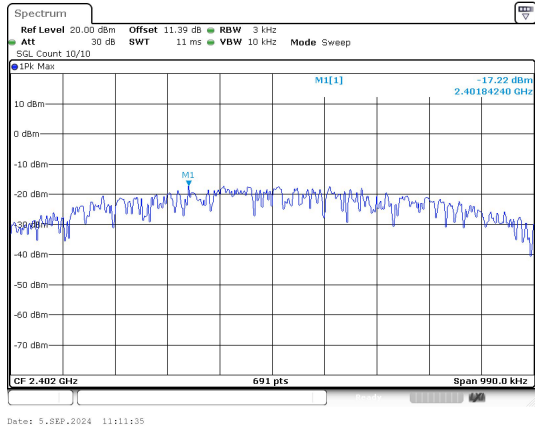
BLE 1M_Channel 39

2) Power Spectral Density

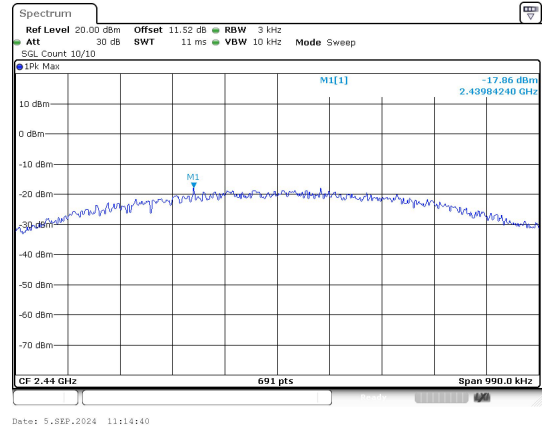
Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-17.224	≤8	PASS
BLE 1M	19	-17.859	≤8	PASS
BLE 1M	39	-18.791	≤8	PASS

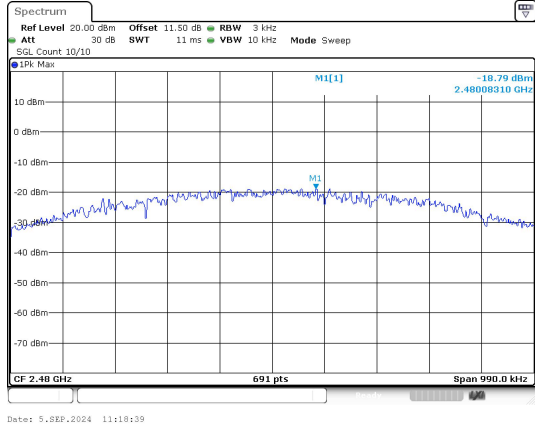
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



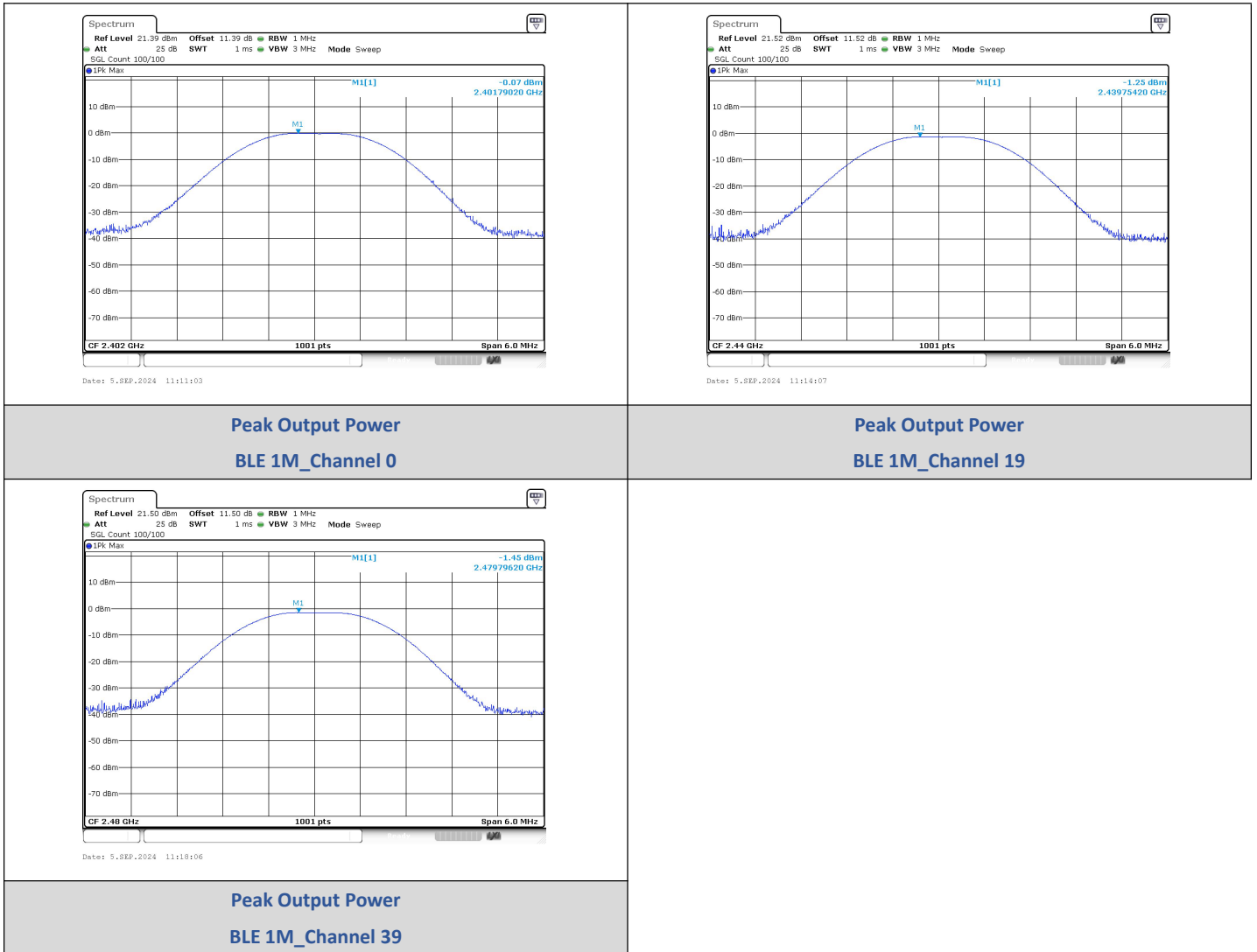
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3) Conducted Peak Output Power

Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	-0.07	0.98	≤30	PASS
	19	-1.25	0.75	≤30	PASS
	39	-1.45	0.72	≤30	PASS

Test Graphs

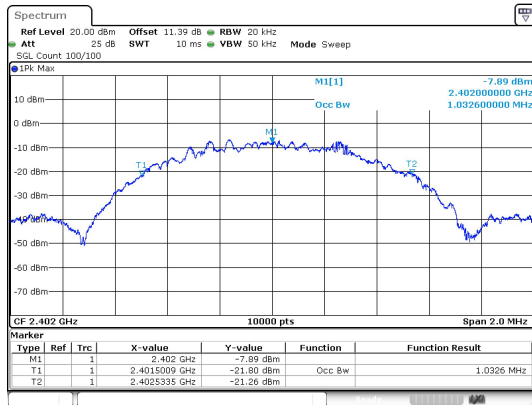


4) 99% Bandwidth

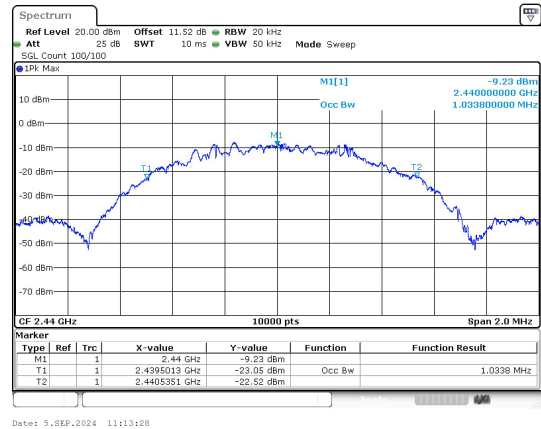
Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0326
BLE 1M	19	2440	1.0338
BLE 1M	39	2480	1.0346

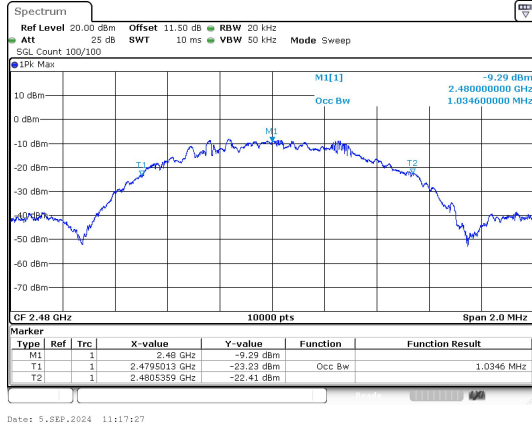
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



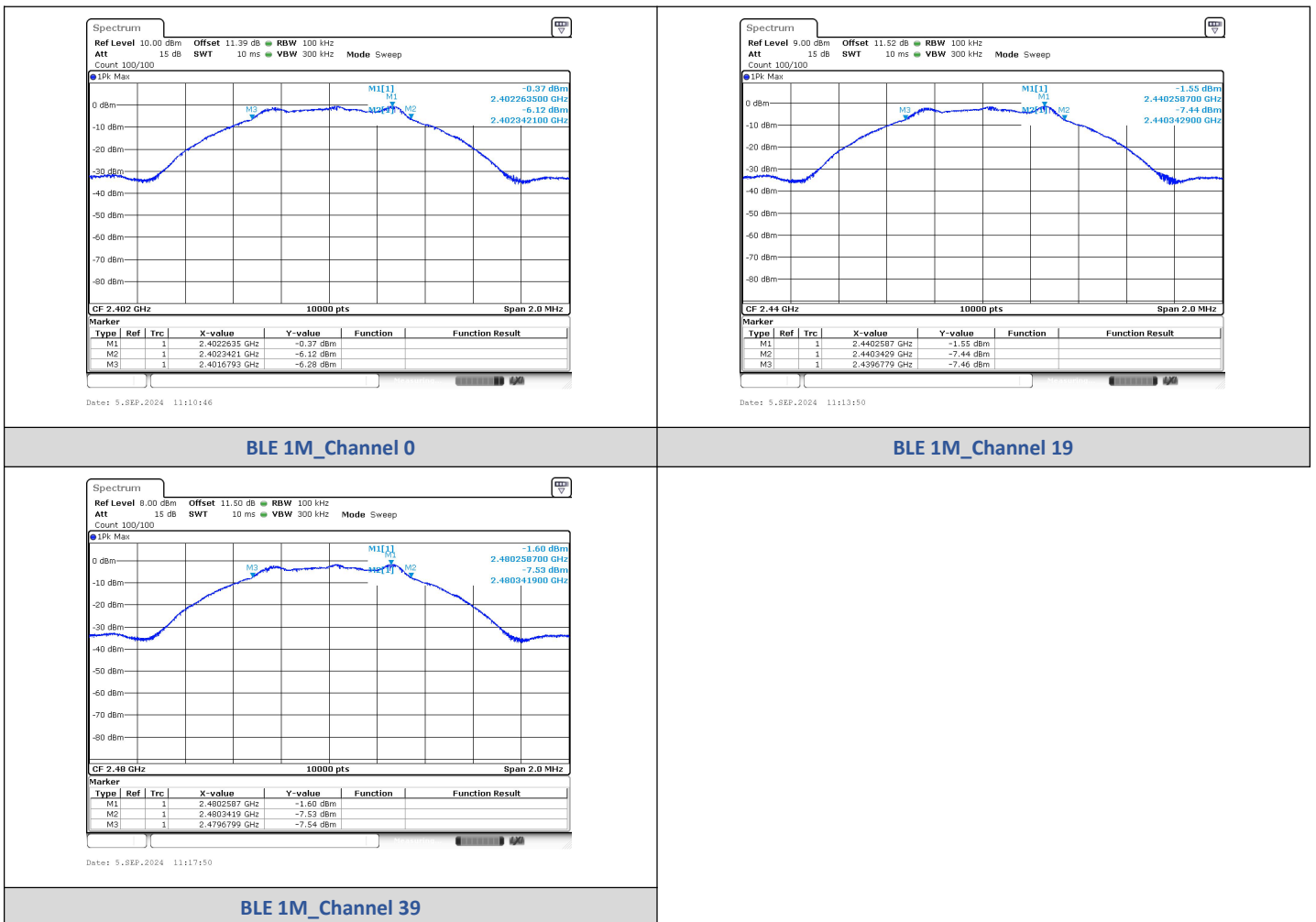
BLE 1M_Channel 39

5) 6dB Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6600	≥0.5	PASS
	19	2440	0.6600		PASS
	39	2480	0.6600		PASS

Test Graphs

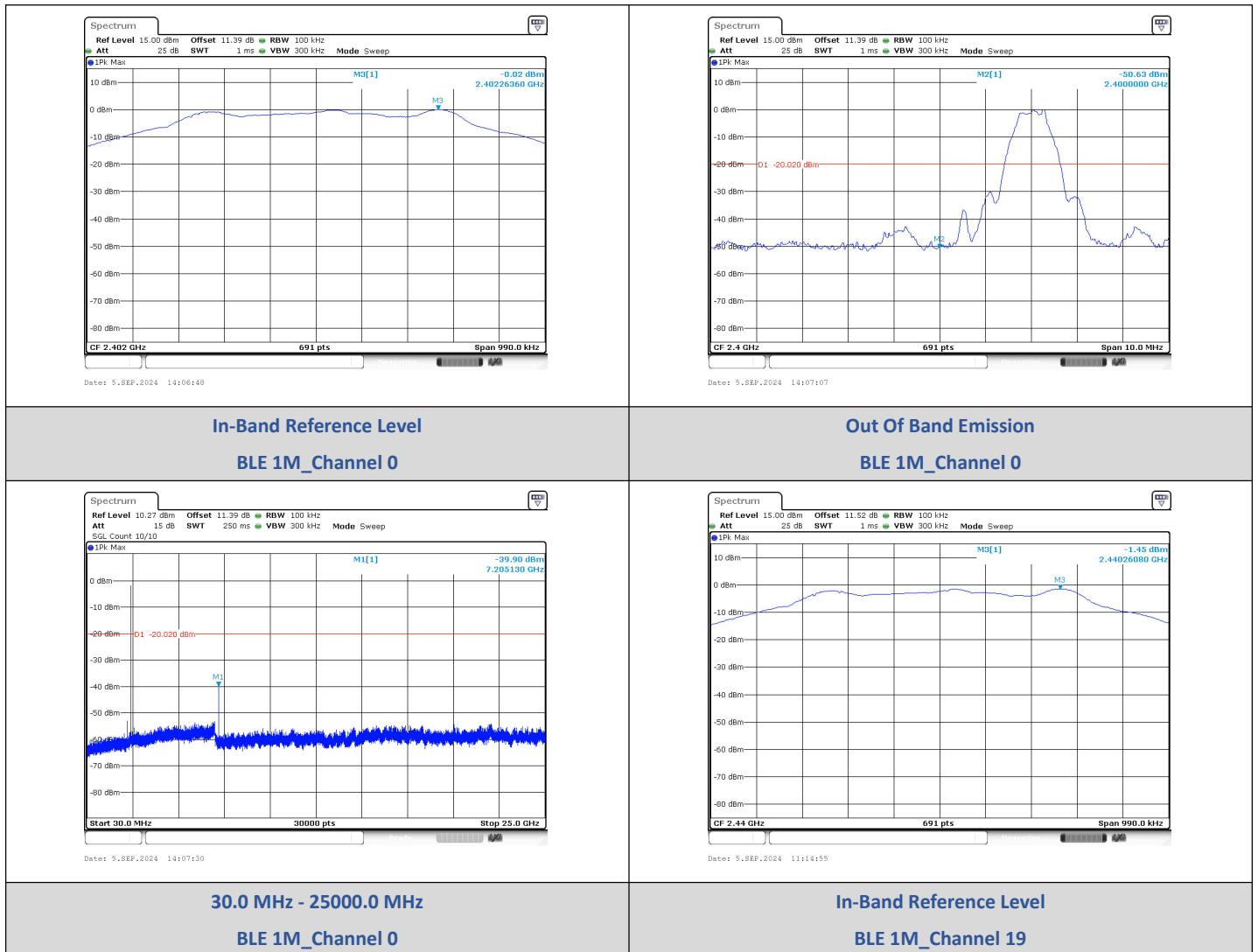


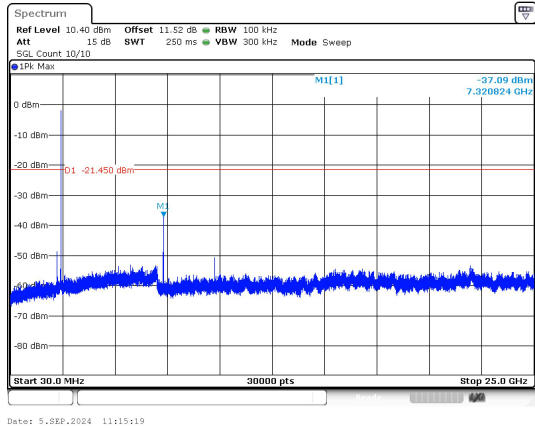
6) Conducted Out Of Band Emission

Test Result

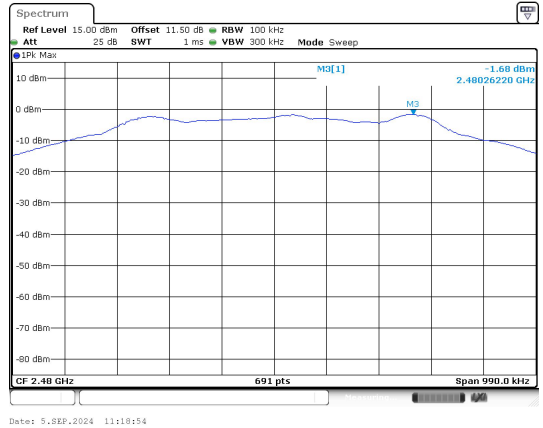
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2399.00	-44.536	-20.02	-24.516	PASS
		2400.00	-50.632	-20.02	-30.612	PASS
	19	7205.10	-39.905	-20.02	-19.885	PASS
		7320.82	-37.095	-21.45	-15.645	PASS
		2483.50	-49.517	-21.68	-27.837	PASS
		7439.85	-44.862	-21.68	-23.182	PASS

Test Graphs

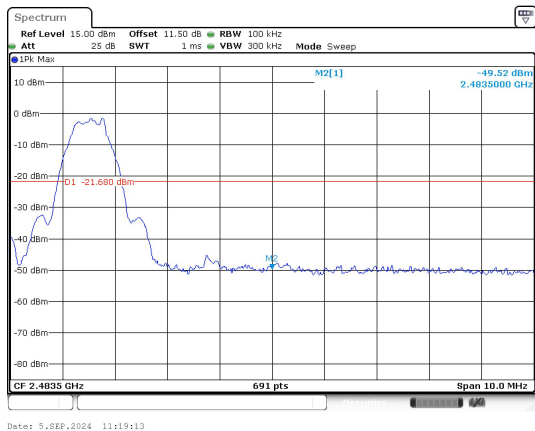




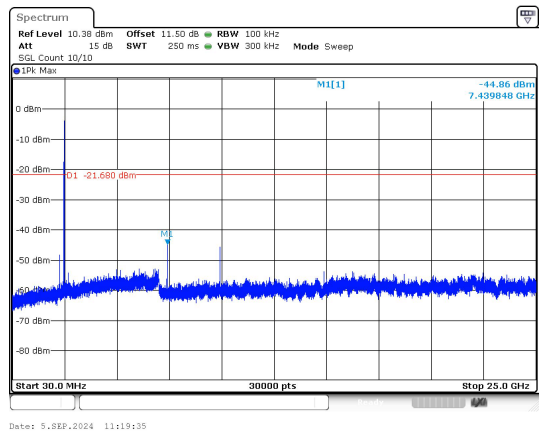
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



In-Band Reference Level
BLE 1M_Channel 39



Out Of Band Emission
BLE 1M_Channel 39



30.0 MHz - 25000.0 MHz
BLE 1M_Channel 39