

Appendix

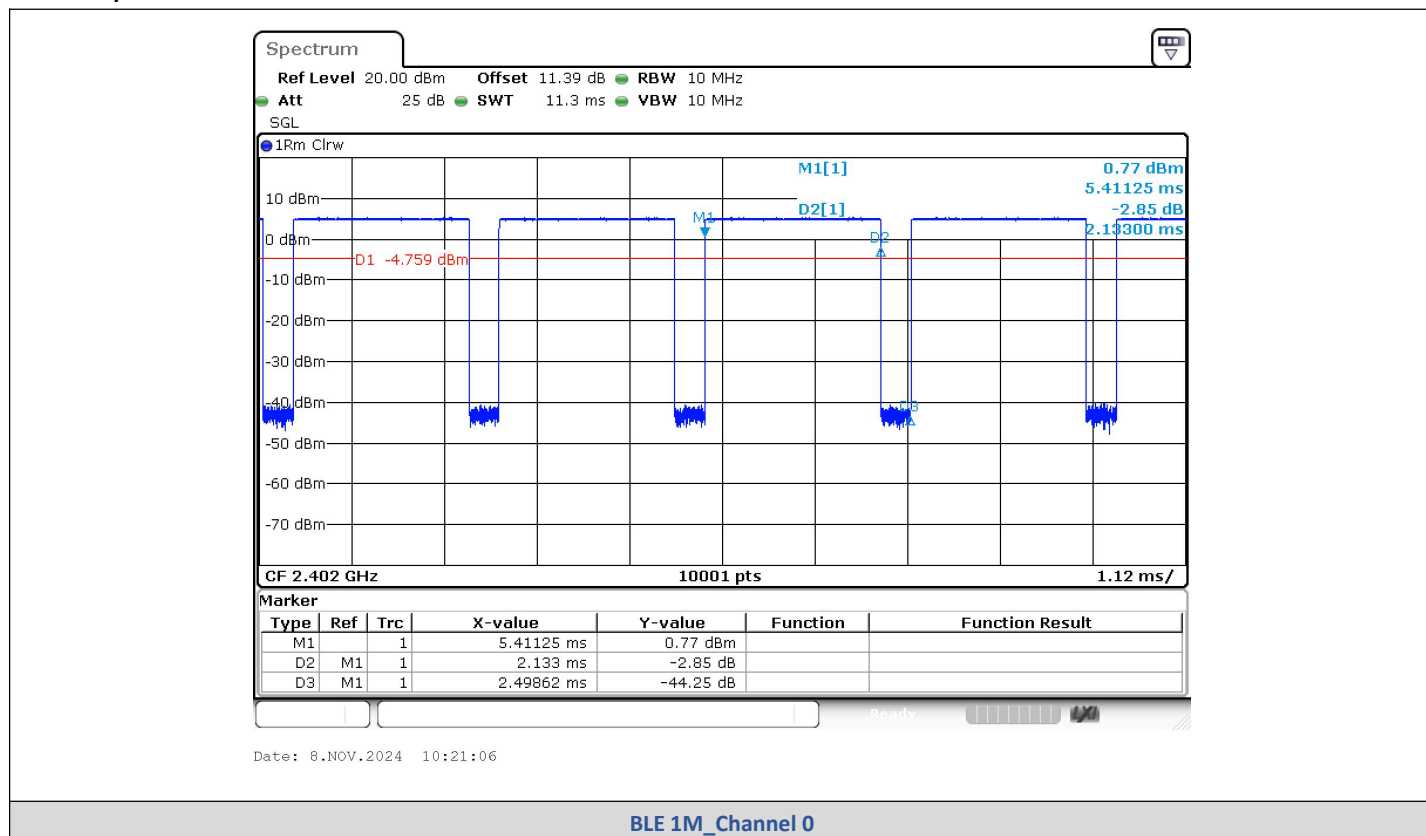
Report No.:	CISRR24110705206
FCC ID:	2A3VP-Q38
Product Name:	Wireless Gaming Controller
Model No.:	Q38
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

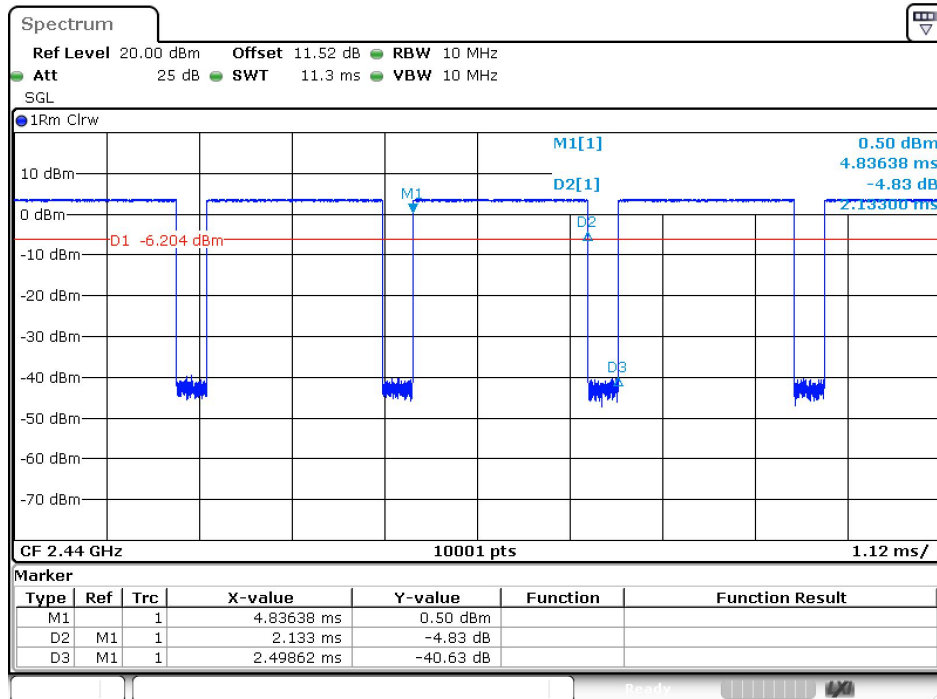
1) Duty Cycle

Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	2.133	2.499	85.37	0.8537	0.6869	0.4688
	19	2.133	2.499	85.37	0.8537	0.6869	0.4688
	39	2.132	2.499	85.32	0.8532	0.6895	0.4690

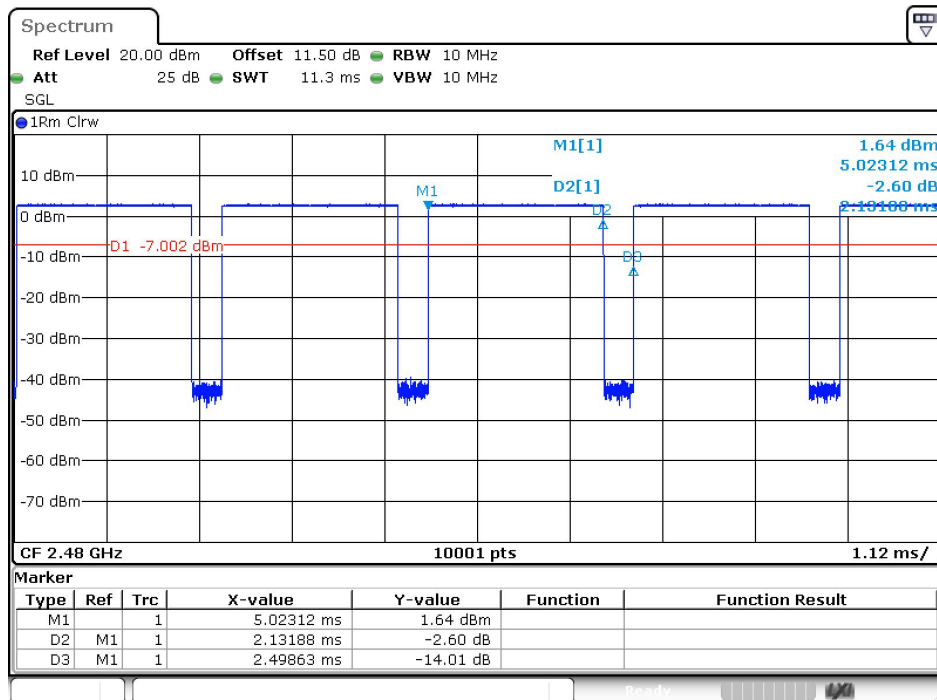
Test Graphs





Date: 8.NOV.2024 10:24:36

BLE 1M_Channel 19



Date: 8.NOV.2024 10:27:22

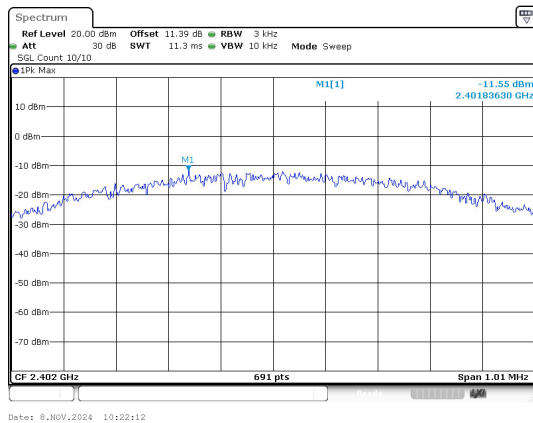
BLE 1M_Channel 39

2) Power Spectral Density

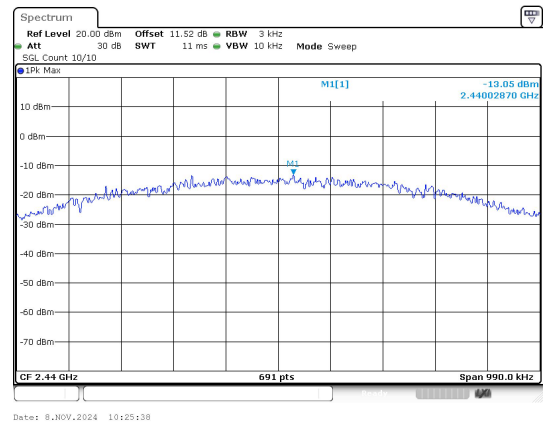
Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-11.550	≤8	PASS
BLE 1M	19	-13.050	≤8	PASS
BLE 1M	39	-14.020	≤8	PASS

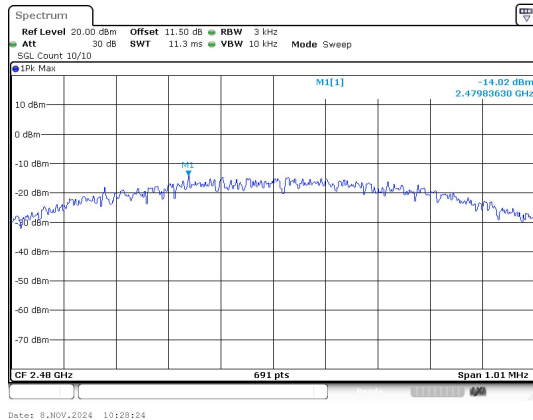
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



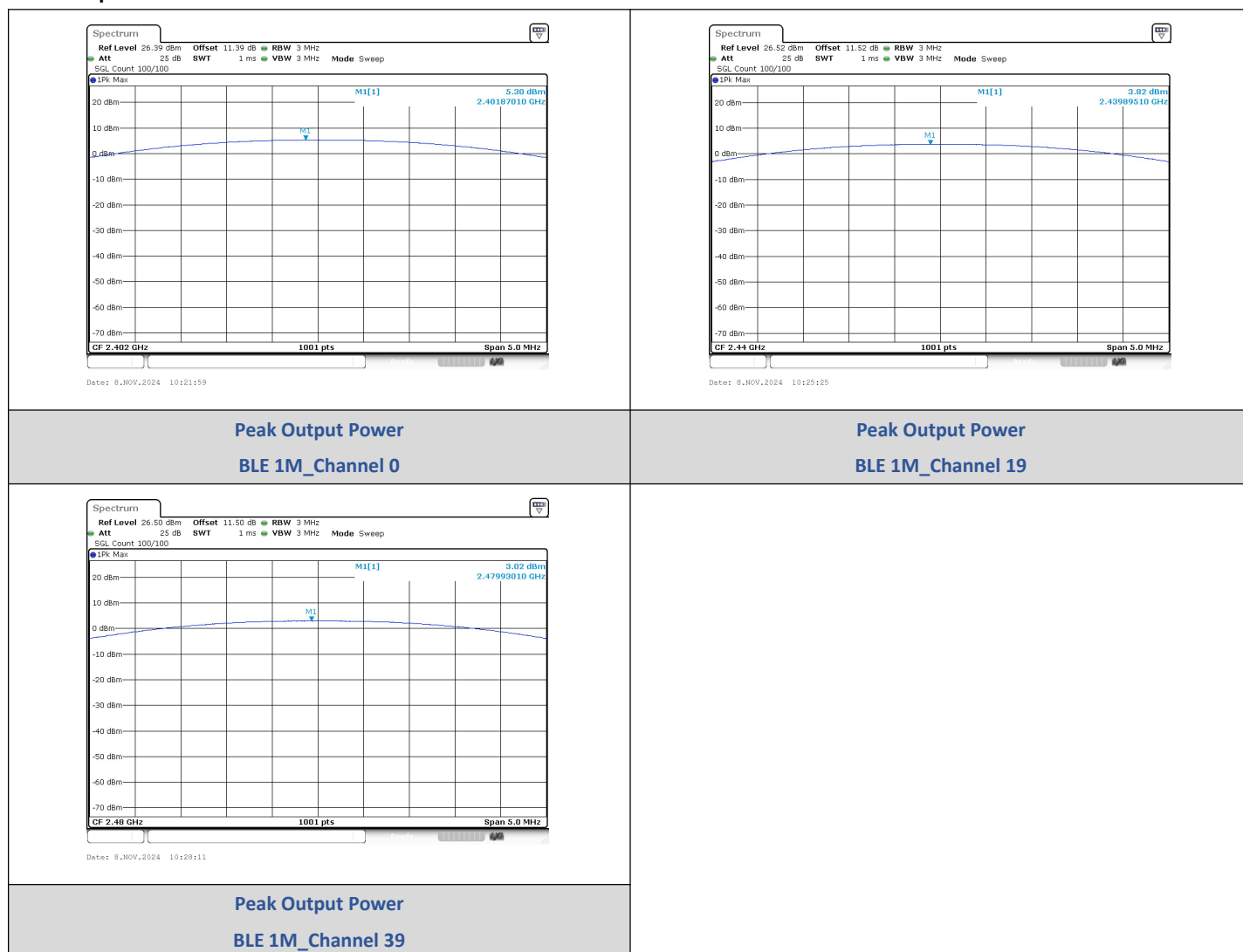
BLE 1M_Channel 39

3) Conducted Output Power

Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	5.30	3.39	≤30	PASS
	19	3.82	2.41	≤30	PASS
	39	3.02	2.0	≤30	PASS

Test Graphs



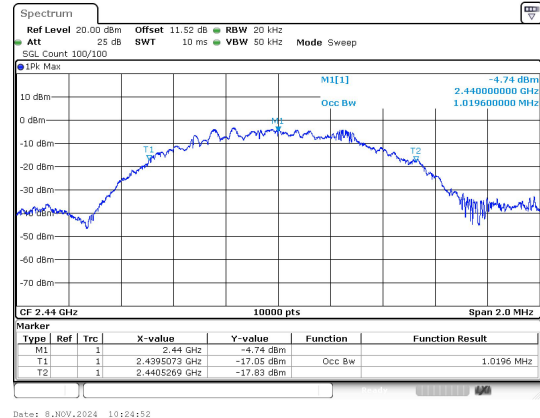
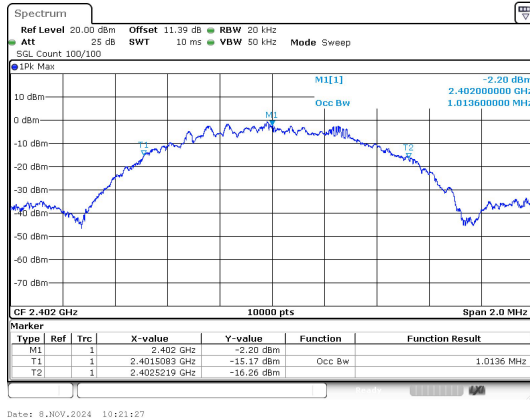
4) 99% Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0136

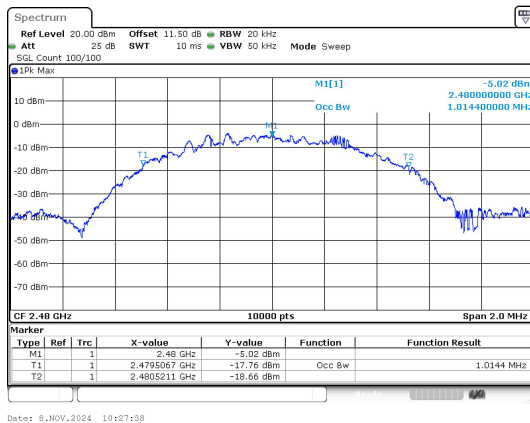
BLE 1M	19	2440	1.0196
BLE 1M	39	2480	1.0144

Test Graphs



BLE 1M_Channel 0

BLE 1M_Channel 19



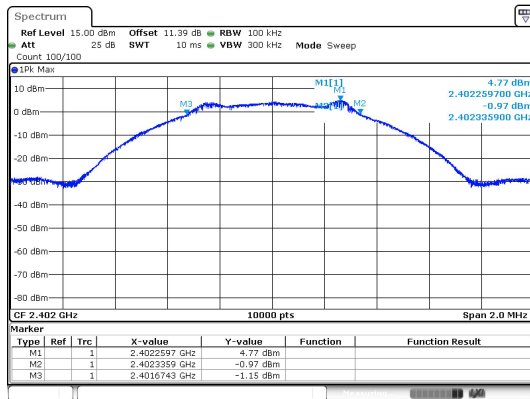
BLE 1M_Channel 39

5) 6dB Bandwidth

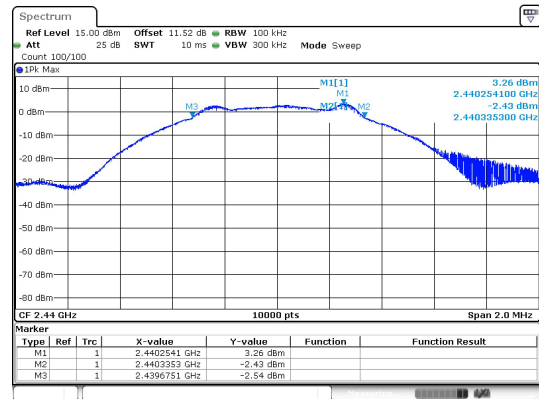
Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6700	≥0.5	PASS
	19	2440	0.6600		PASS
	39	2480	0.6700		PASS

Test Graphs



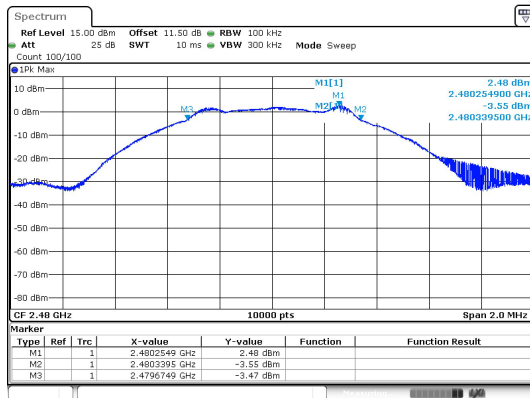
Date: 8.NOV.2024 10:21:45



Date: 8.NOV.2024 10:25:10

BLE 1M_Channel 0

BLE 1M_Channel 19



Date: 8.NOV.2024 10:27:56

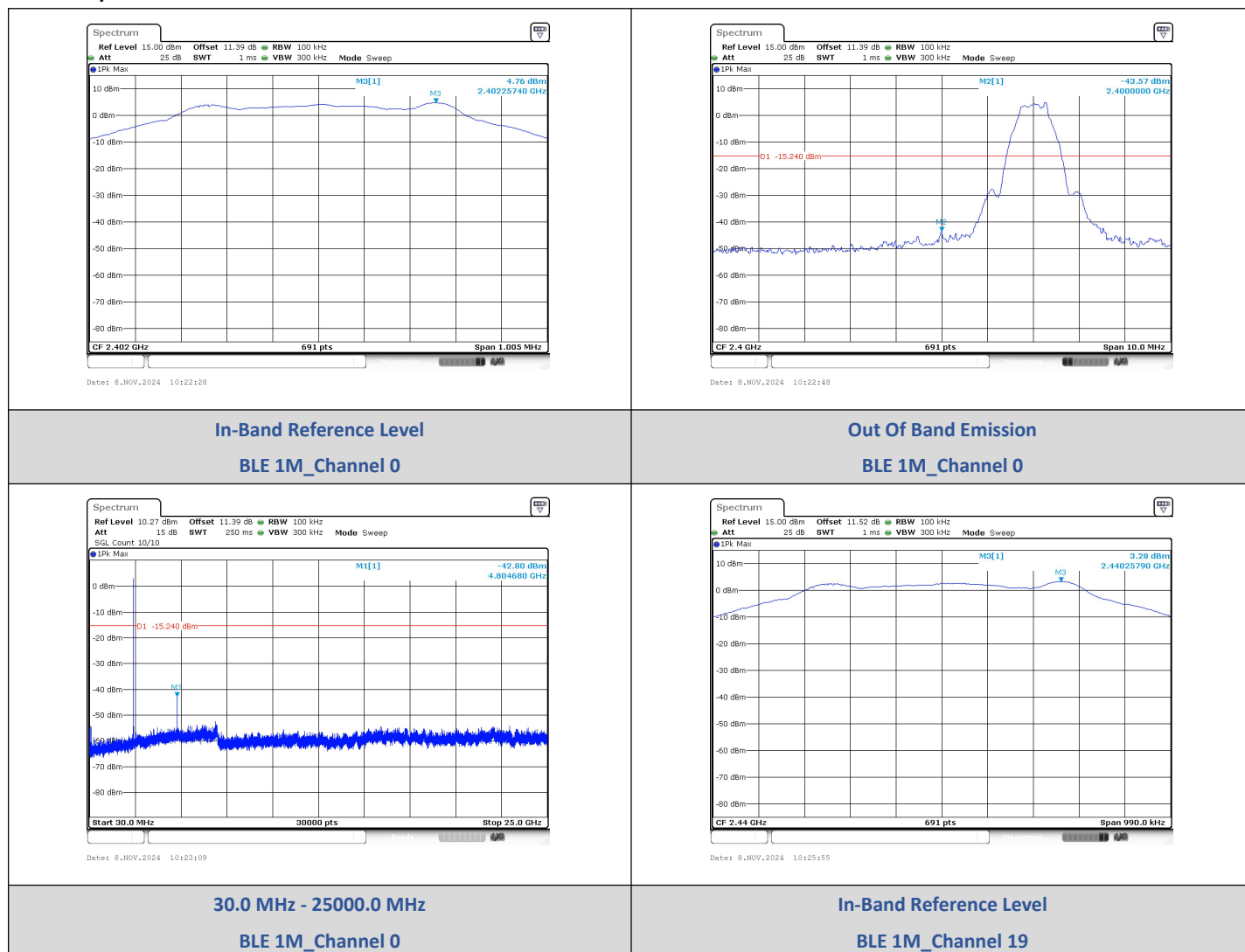
BLE 1M_Channel 39

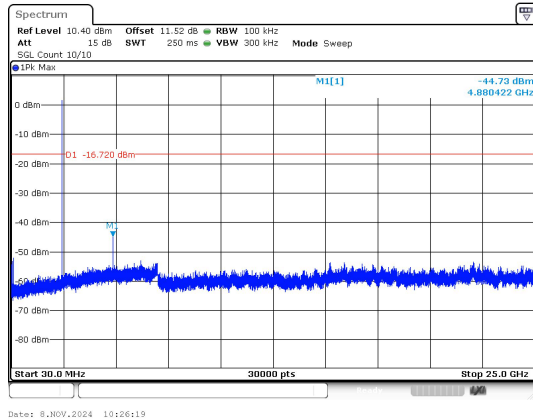
6) Conducted Out Of Band Emission

Test Result

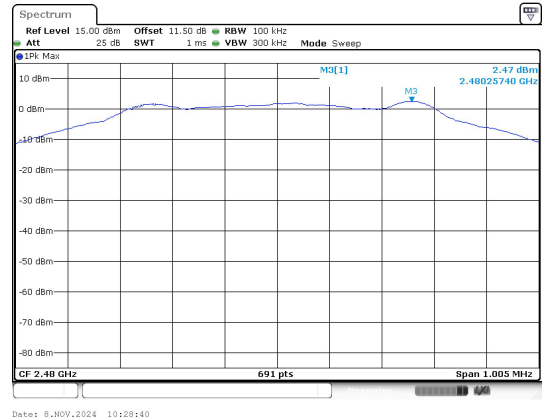
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2400.00	-43.570	-15.24	-28.330	PASS
		4804.68	-42.799	-15.24	-27.559	PASS
	19	4880.42	-44.726	-16.72	-28.006	PASS
	39	2483.50	-49.210	-17.53	-31.680	PASS
		4959.49	-47.558	-17.53	-30.028	PASS

Test Graphs

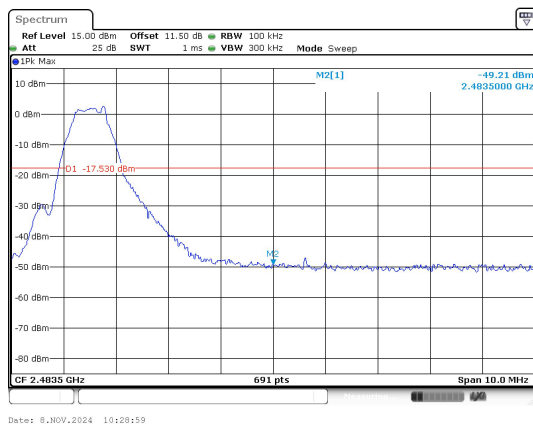




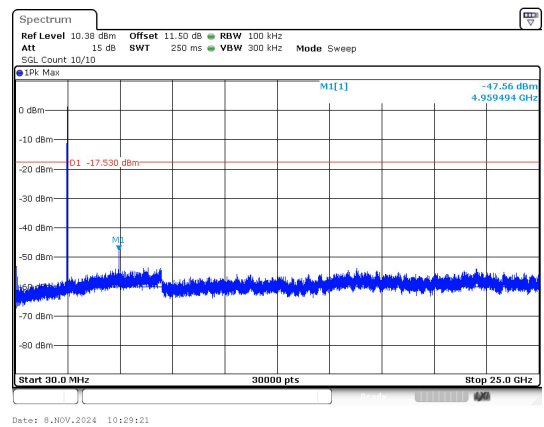
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



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

-----The End-----