

Appendix

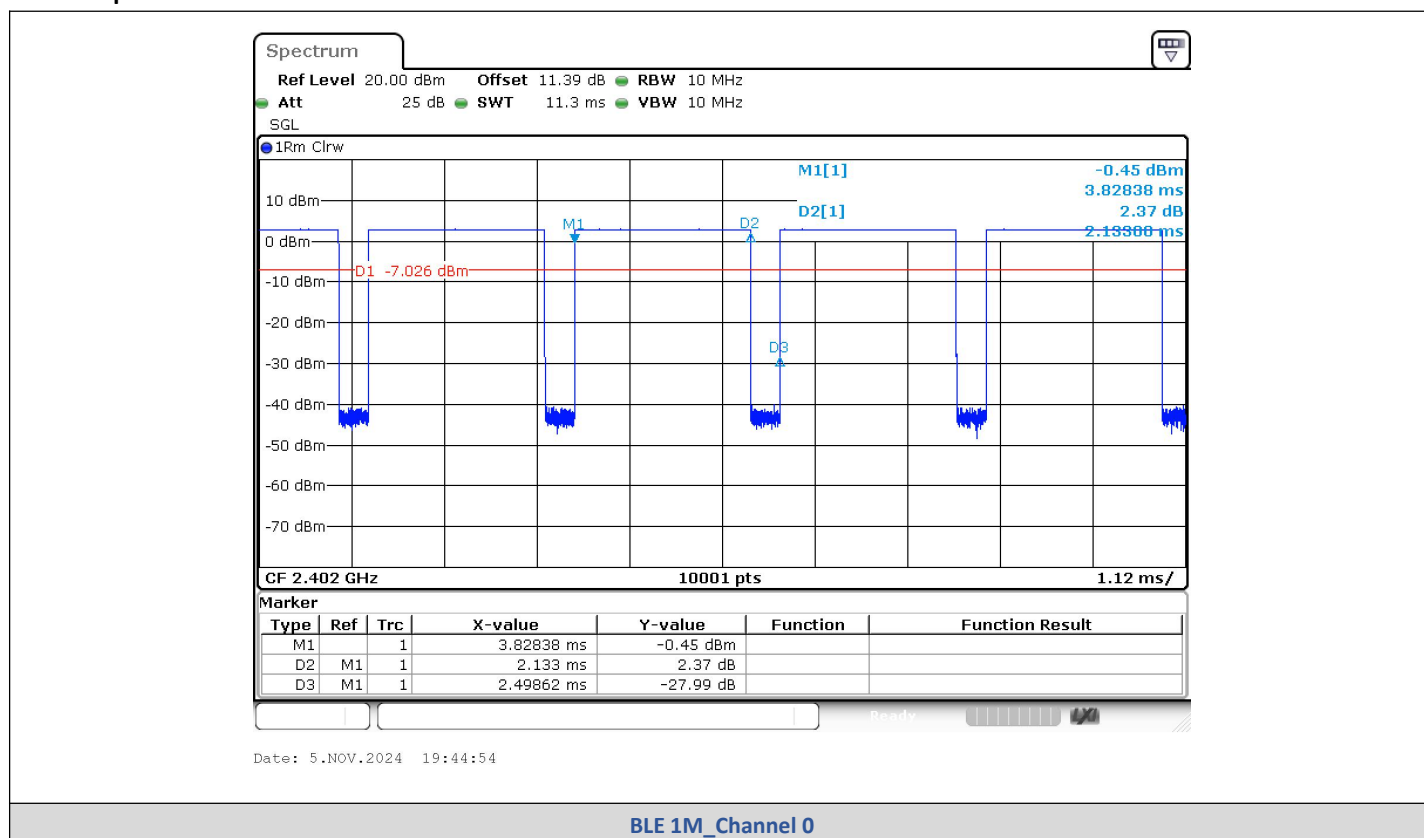
Report No.:	CISRR241104015
FCC ID:	2BL2X-CS2605
Product Name:	Electronic weight scale
Model No.:	CS2605
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

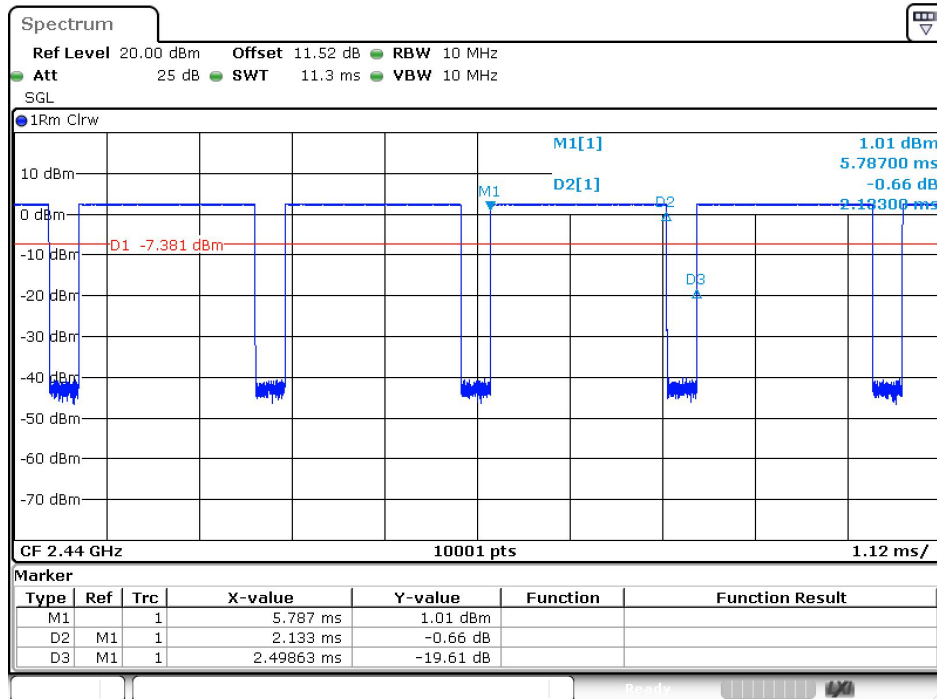
1) Duty Cycle

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	2.134	2.499	85.41	0.8541	0.6849	0.4686

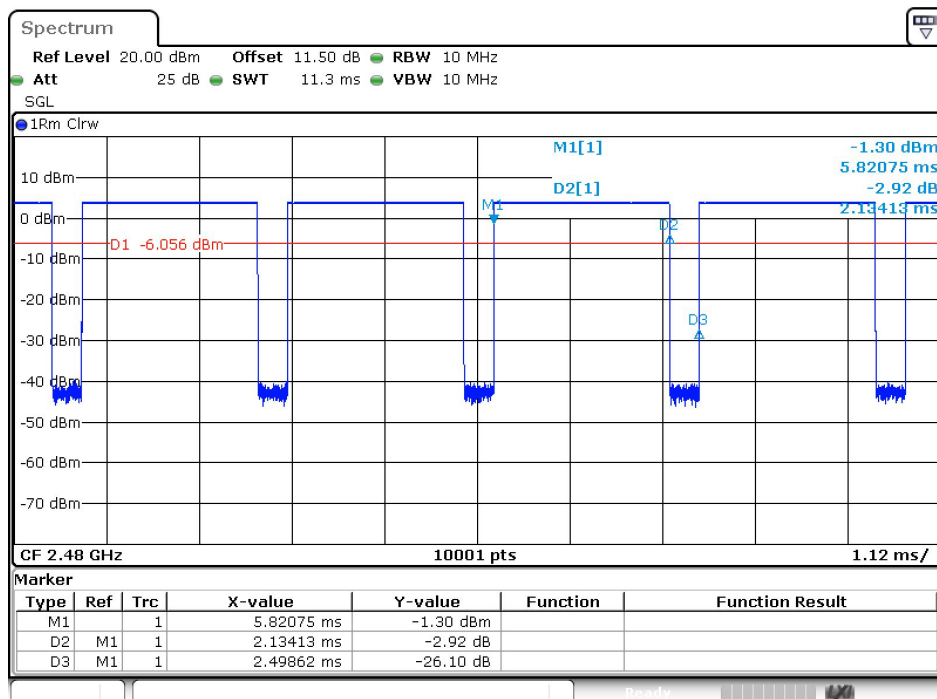
Test Graphs





Date: 5.NOV.2024 19:49:24

BLE 1M_Channel 19



Date: 5.NOV.2024 19:52:06

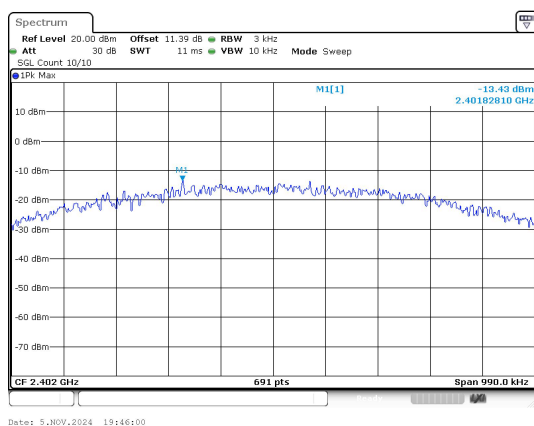
BLE 1M_Channel 39

2) Power Spectral Density

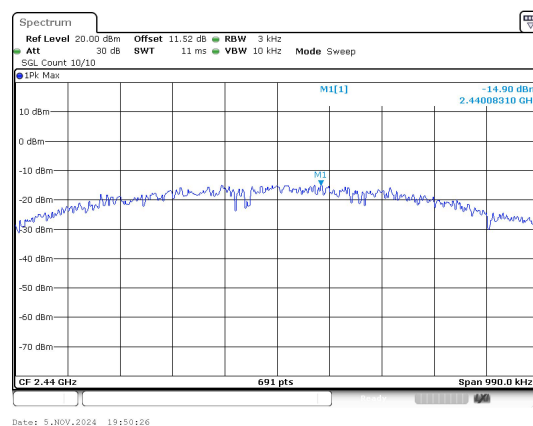
Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-13.430	≤8	PASS
BLE 1M	19	-14.900	≤8	PASS
BLE 1M	39	-13.540	≤8	PASS

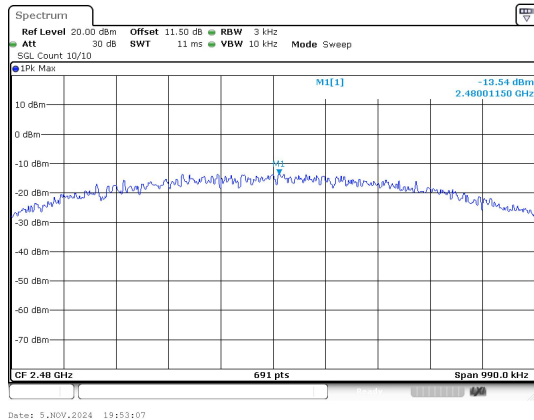
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



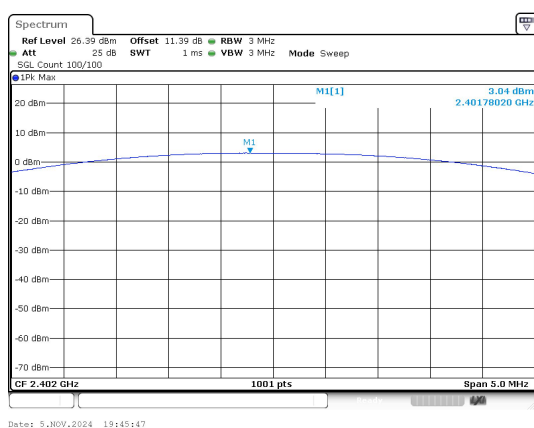
BLE 1M_Channel 39

3) Conducted Output Power

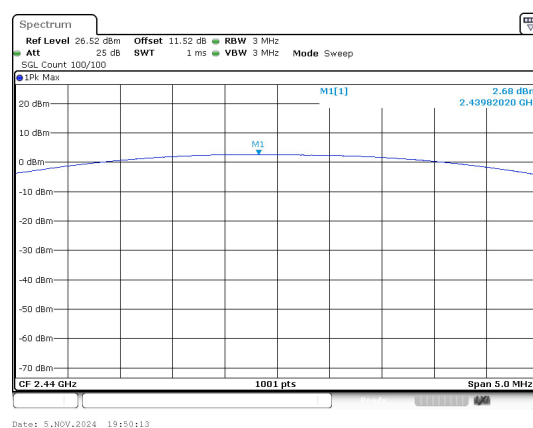
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	3.04	2.01	≤30	PASS
	19	2.68	1.85	≤30	PASS
	39	3.94	2.48	≤30	PASS

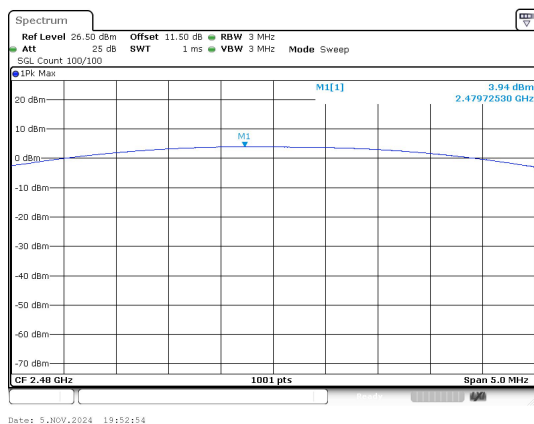
Test Graphs



Peak Output Power
BLE 1M_Channel 0



Peak Output Power
BLE 1M_Channel 19



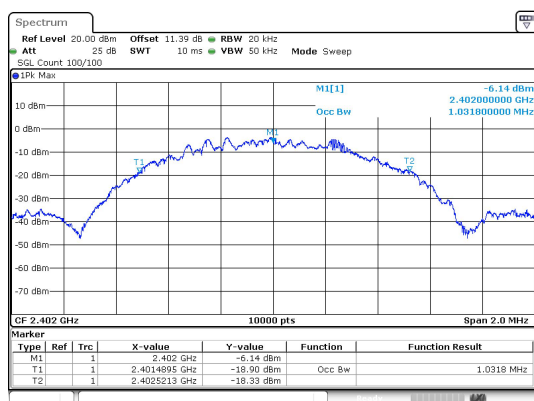
Peak Output Power
BLE 1M_Channel 39

4) 99% Bandwidth

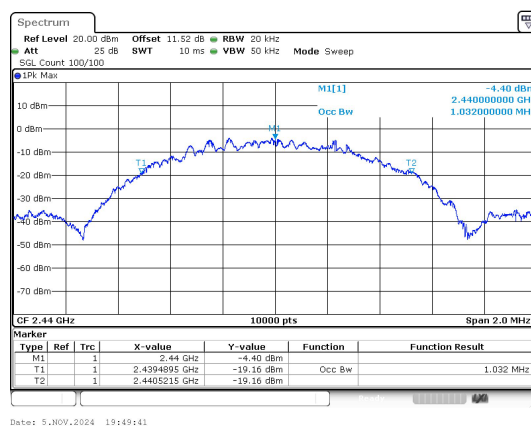
Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0318
BLE 1M	19	2440	1.0320
BLE 1M	39	2480	1.0290

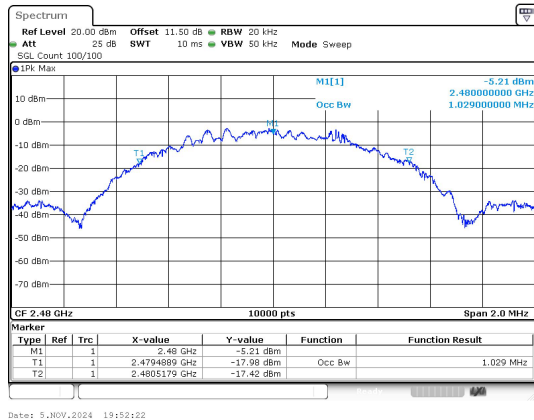
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



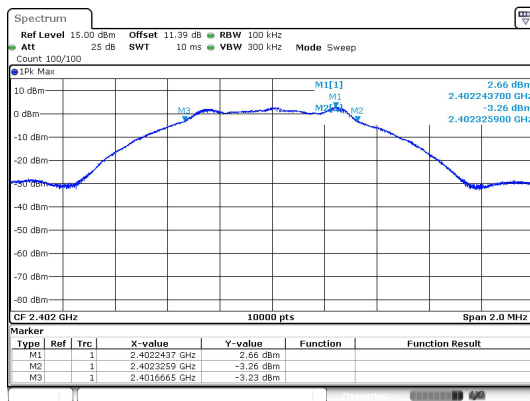
BLE 1M_Channel 39

5) 6dB Bandwidth

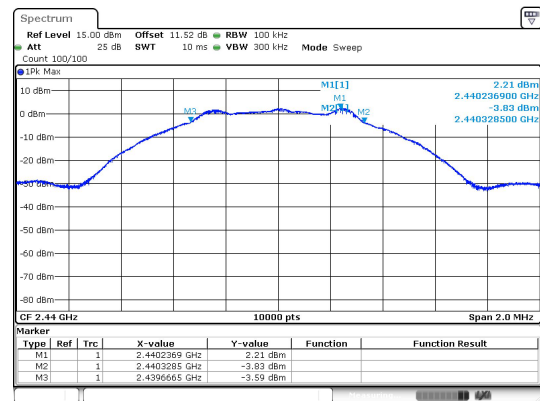
Test Result

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



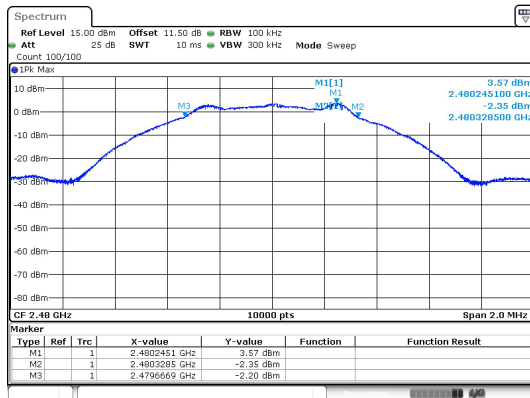
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Date: 5.NOV.2024 19:49:59

BLE 1M_Channel 0

BLE 1M_Channel 19



Date: 5.NOV.2024 19:52:40

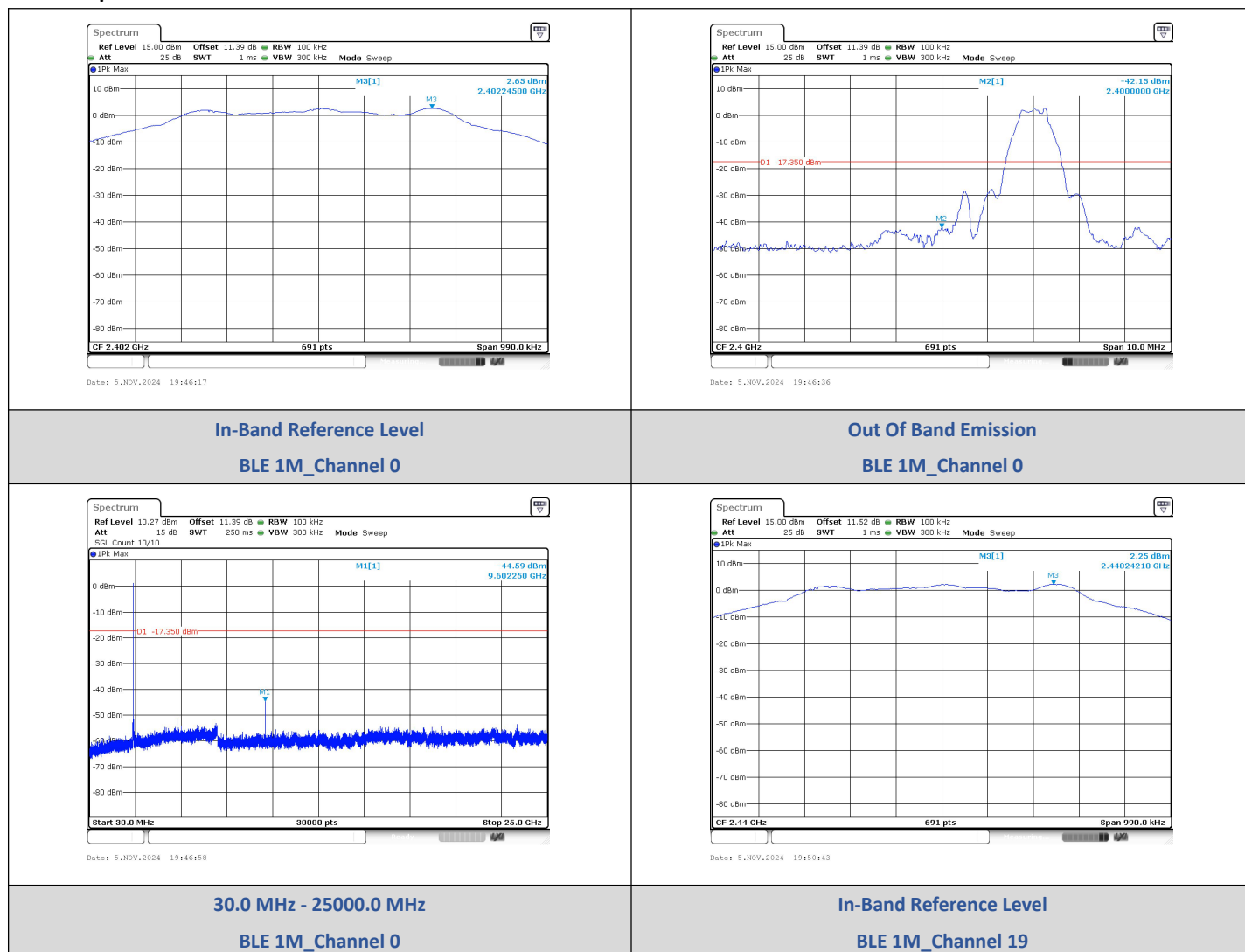
BLE 1M_Channel 39

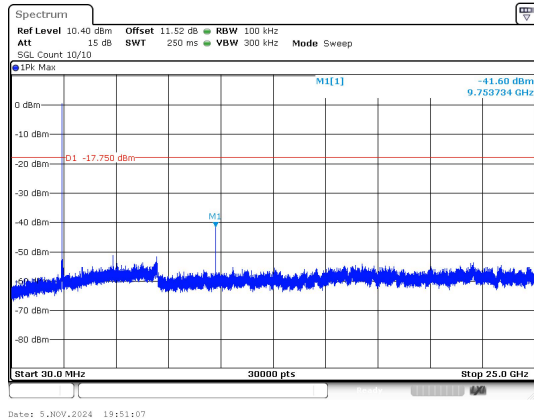
6) Conducted Out Of Band Emission

Test Result

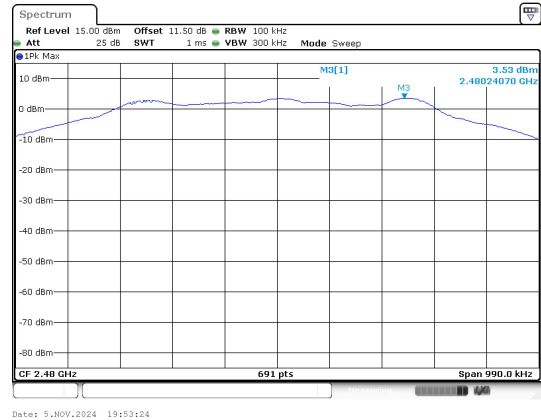
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2400.00	-42.150	-17.35	-24.800	PASS
		9602.25	-44.589	-17.35	-27.239	PASS
	19	9753.73	-41.603	-17.75	-23.853	PASS
	39	2483.50	-41.780	-16.47	-25.310	PASS
		9914.37	-41.230	-16.47	-24.760	PASS

Test Graphs

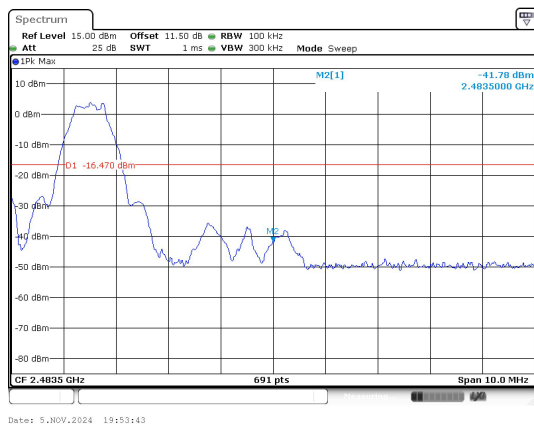




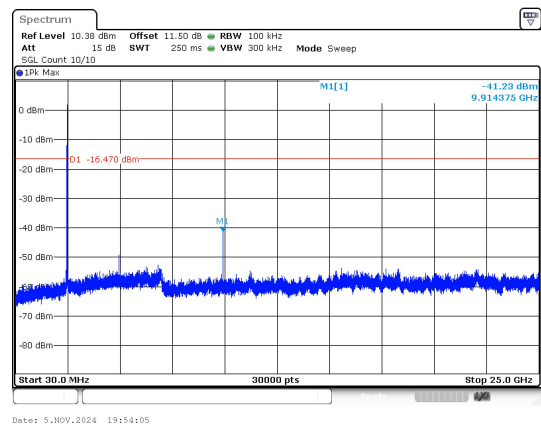
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



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

-----End of the report-----