

Appendix Report

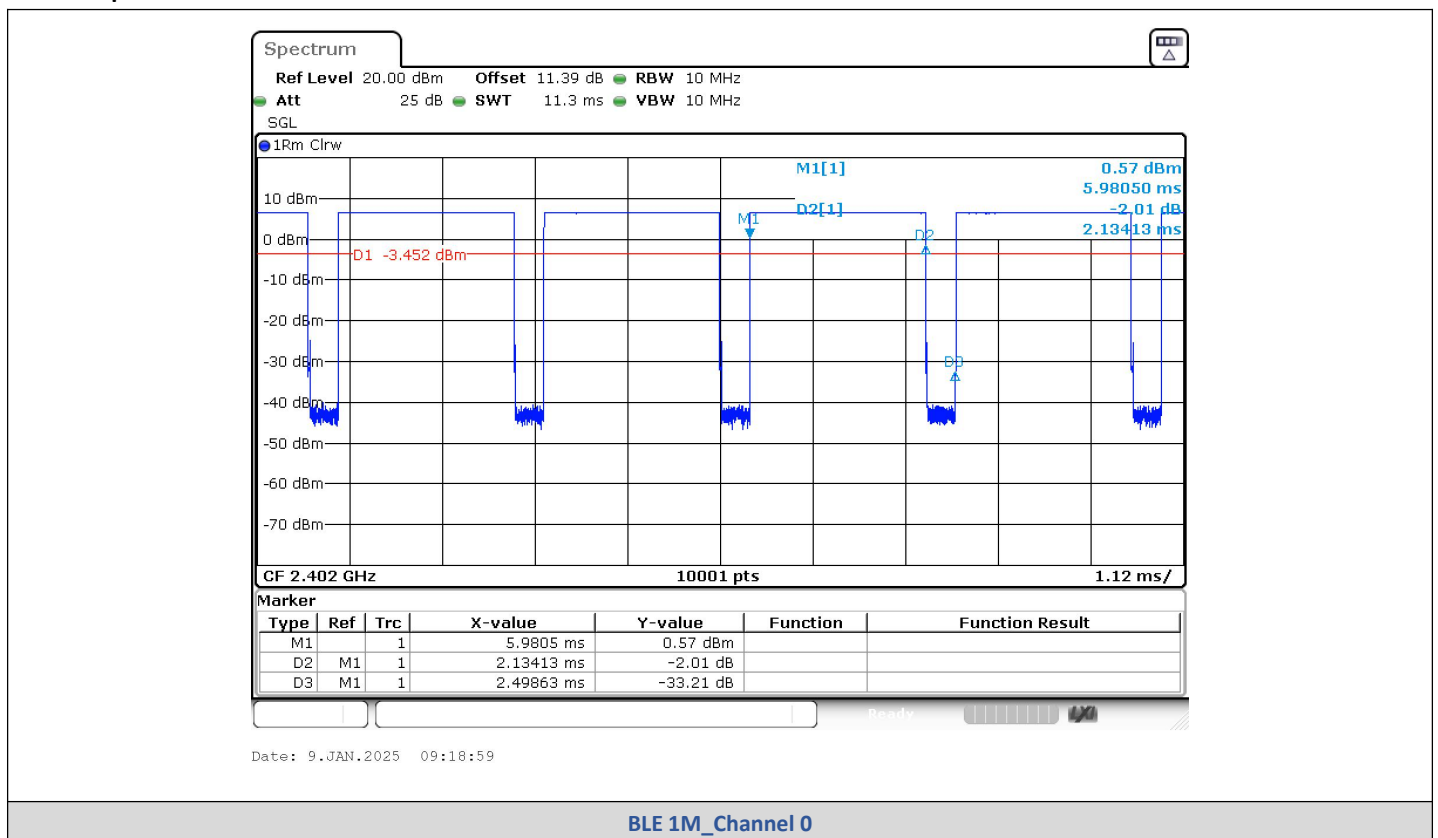
Report No.:	CISRR25010702602
Test Engineer:	Mark Fu
Supervised by:	Rory Huang

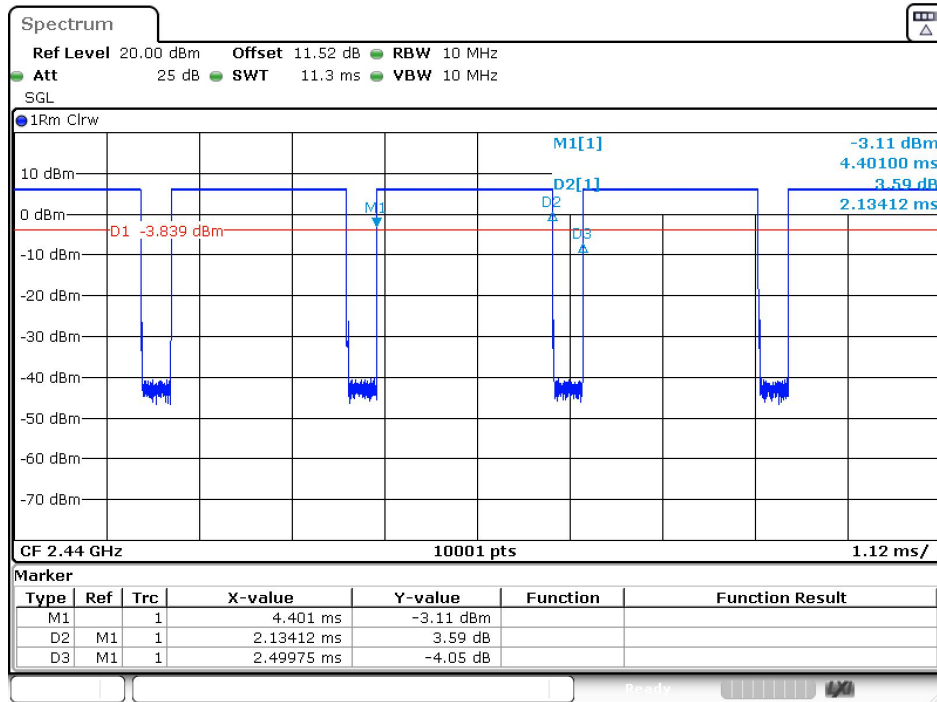
1) Duty Cycle

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	0.4686
	19	2.134	2.500	85.37	0.8537	0.6869	0.4686
	39	2.133	2.499	85.37	0.8537	0.6869	0.4688

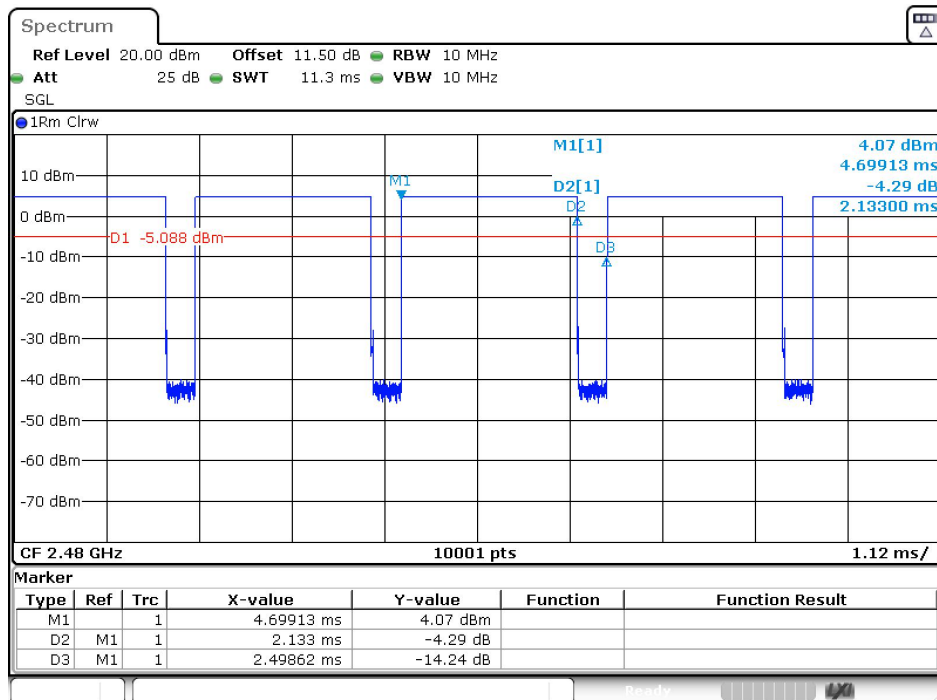
Test Graphs





Date: 9.JAN.2025 09:22:41

BLE 1M_Channel 19



Date: 9.JAN.2025 09:28:06

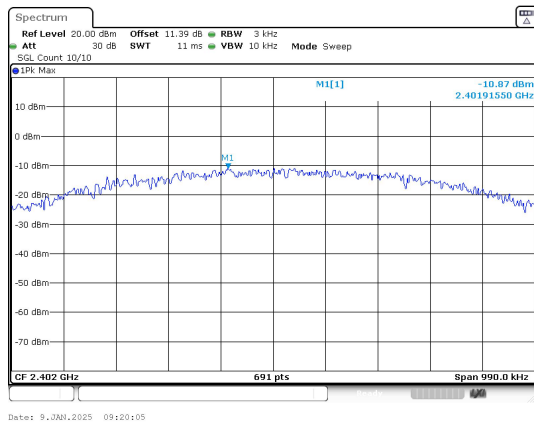
BLE 1M_Channel 39

2) Power Spectral Density

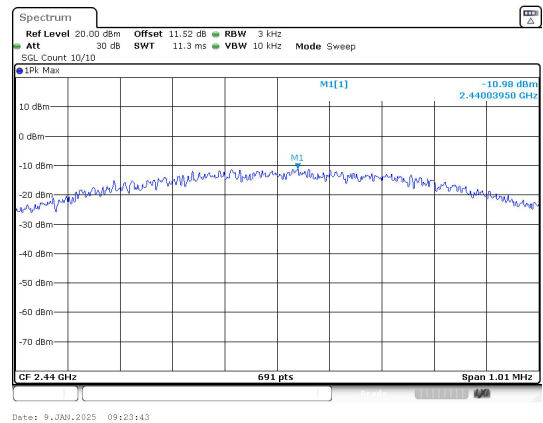
Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-10.870	≤8	PASS
BLE 1M	19	-10.980	≤8	PASS
BLE 1M	39	-11.820	≤8	PASS

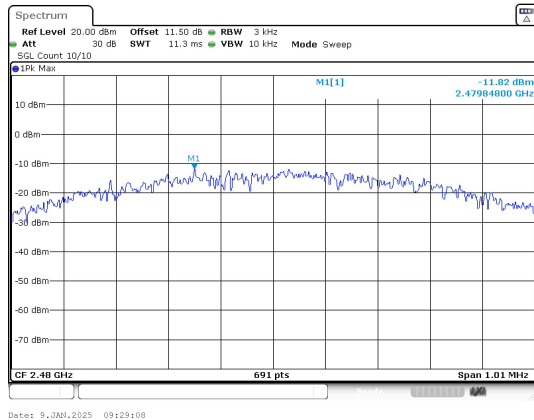
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



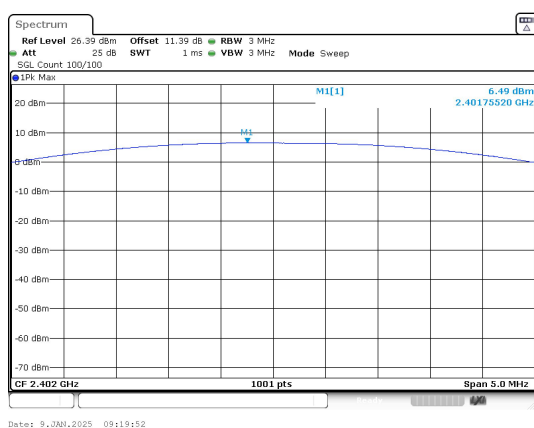
BLE 1M_Channel 39

3) Conducted Output Power

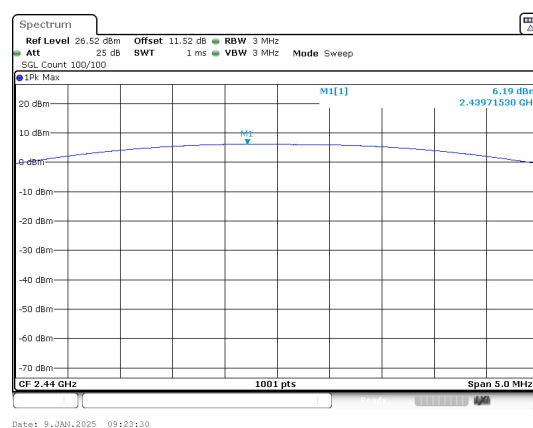
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	6.49	4.46	≤30	PASS
	19	6.19	4.16	≤30	PASS
	39	4.96	3.13	≤30	PASS

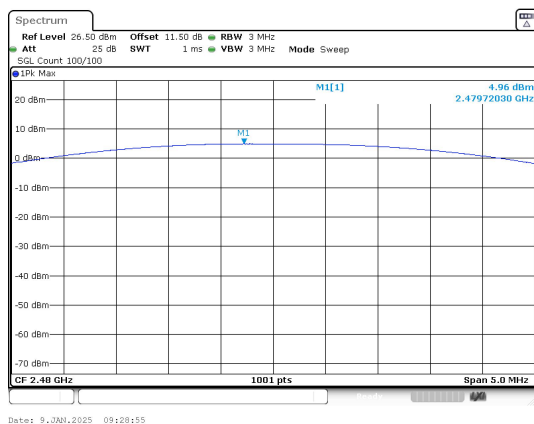
Test Graphs



Peak Output Power
BLE 1M_Channel 0



Peak Output Power
BLE 1M_Channel 19



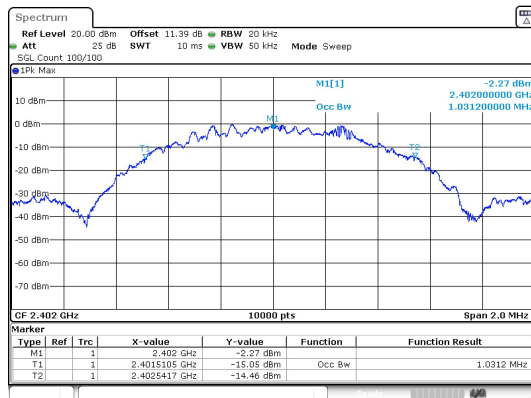
Peak Output Power
BLE 1M_Channel 39

4) 99% Bandwidth

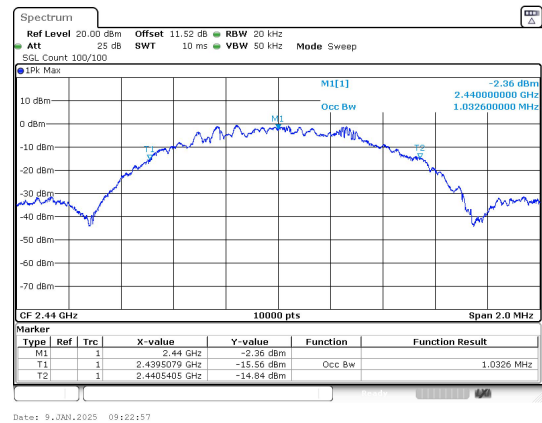
Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0312
BLE 1M	19	2440	1.0326
BLE 1M	39	2480	1.0316

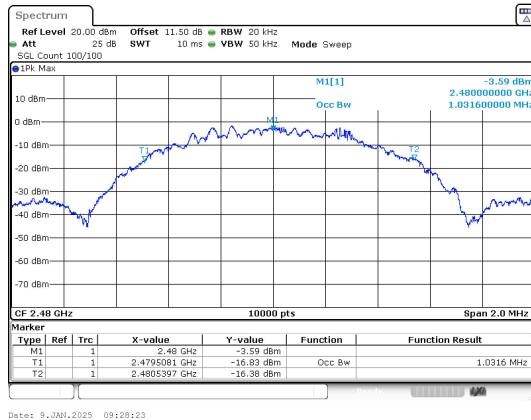
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



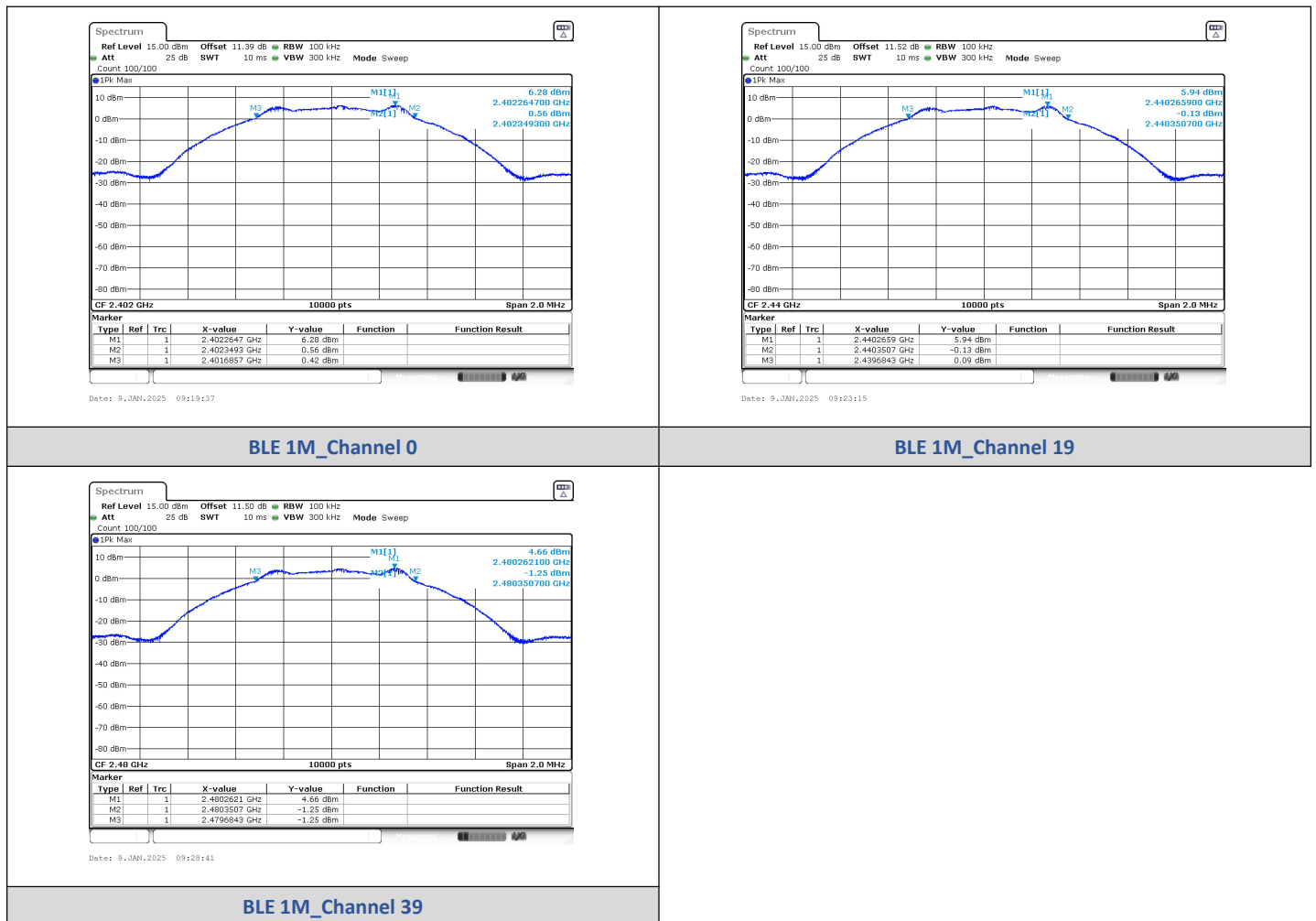
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5) 6dB Bandwidth

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	0.6700		PASS
	39	2480	0.6700		PASS

Test Graphs

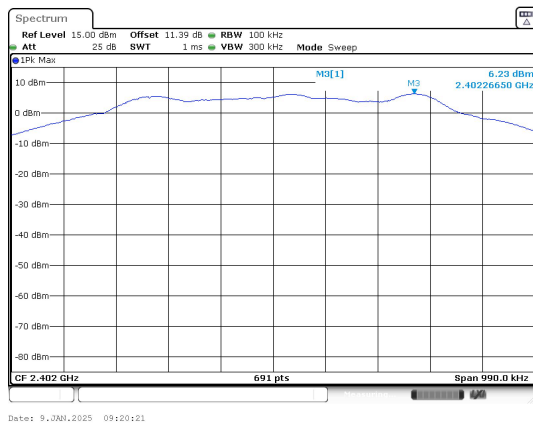


6) Conducted Out Of Band Emission

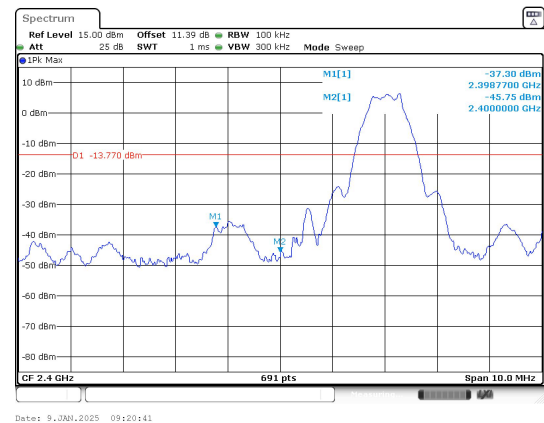
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2398.77	-37.299	-13.77	-23.529	PASS
		2400.00	-45.750	-13.77	-31.980	PASS
		5744.40	-37.320	-13.77	-23.550	PASS
	19	9753.73	-40.127	-14.07	-26.057	PASS
	39	2483.50	-43.550	-15.33	-28.220	PASS
		9914.37	-38.018	-15.33	-22.688	PASS

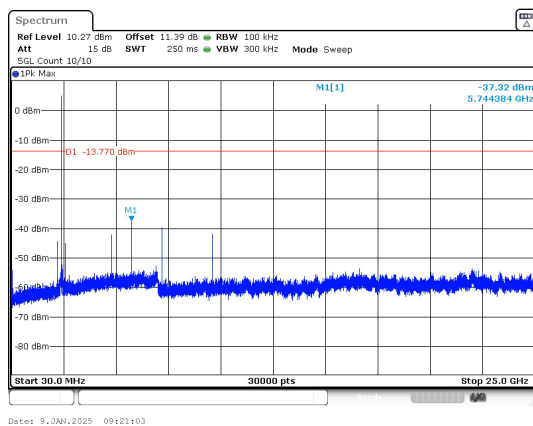
Test Graphs



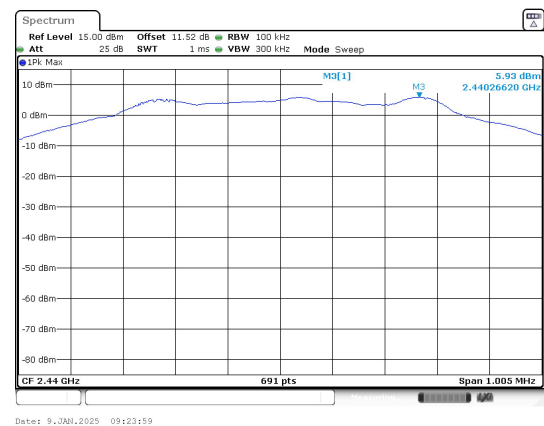
In-Band Reference Level
BLE 1M_Channel 0



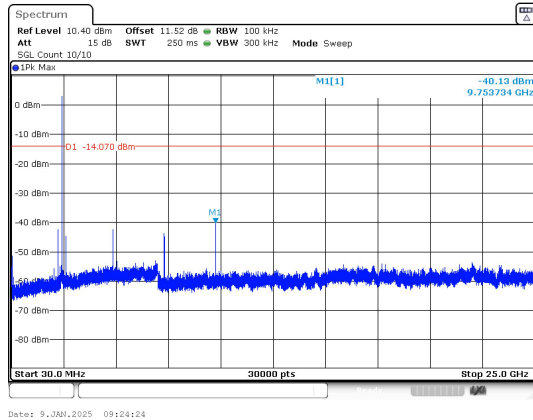
Out Of Band Emission
BLE 1M_Channel 0



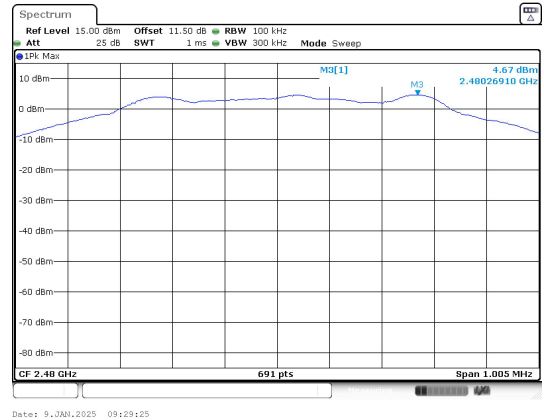
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0



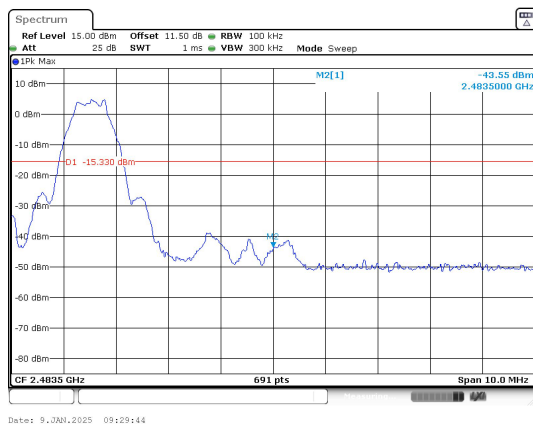
In-Band Reference Level
BLE 1M_Channel 19



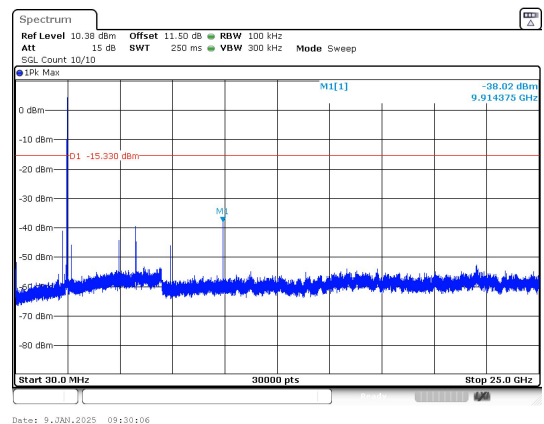
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



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-----