

Appendix Report

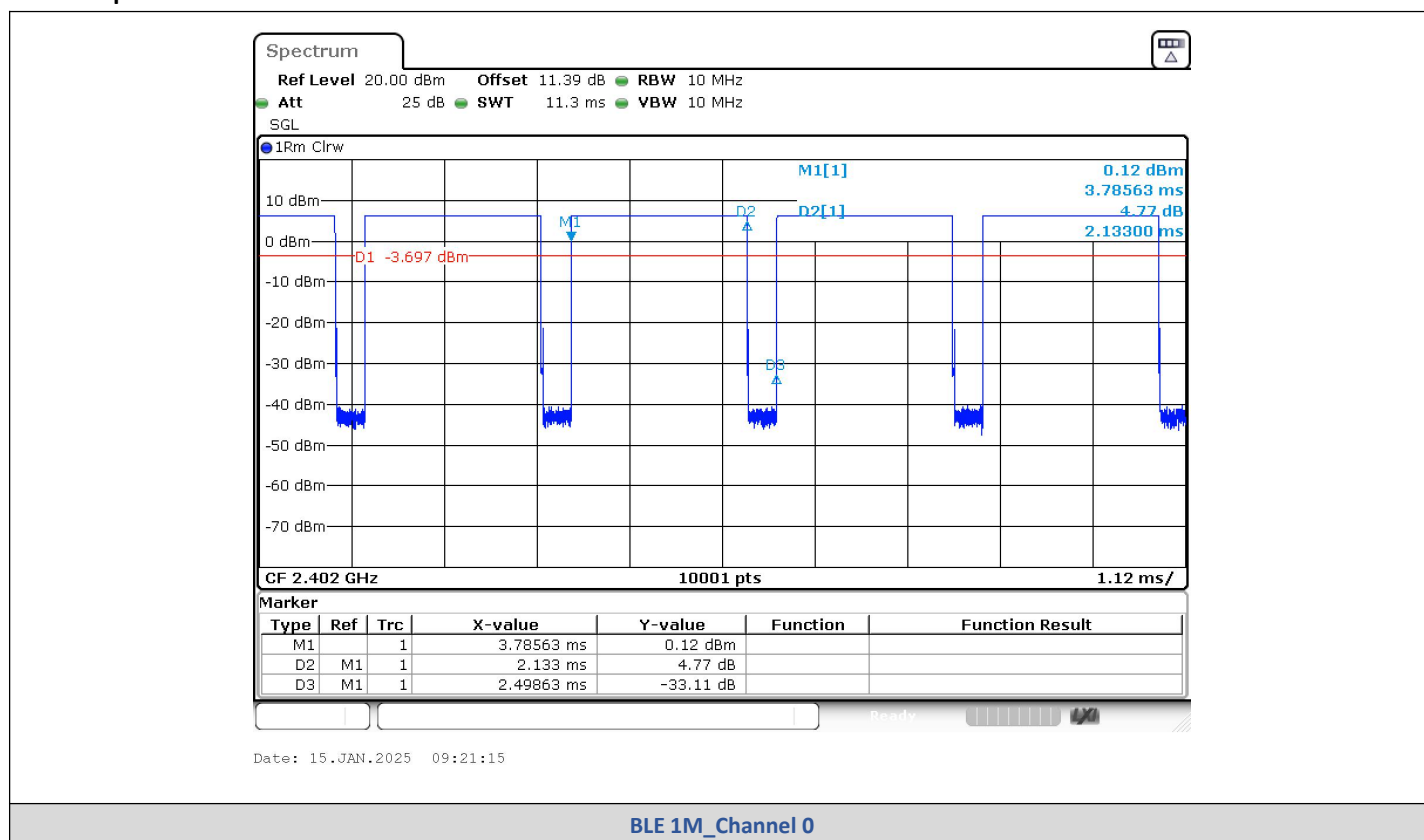
Report No.:	CISRR25011008410
Test Engineer:	Mark Fu
Supervised by:	Rory Huang

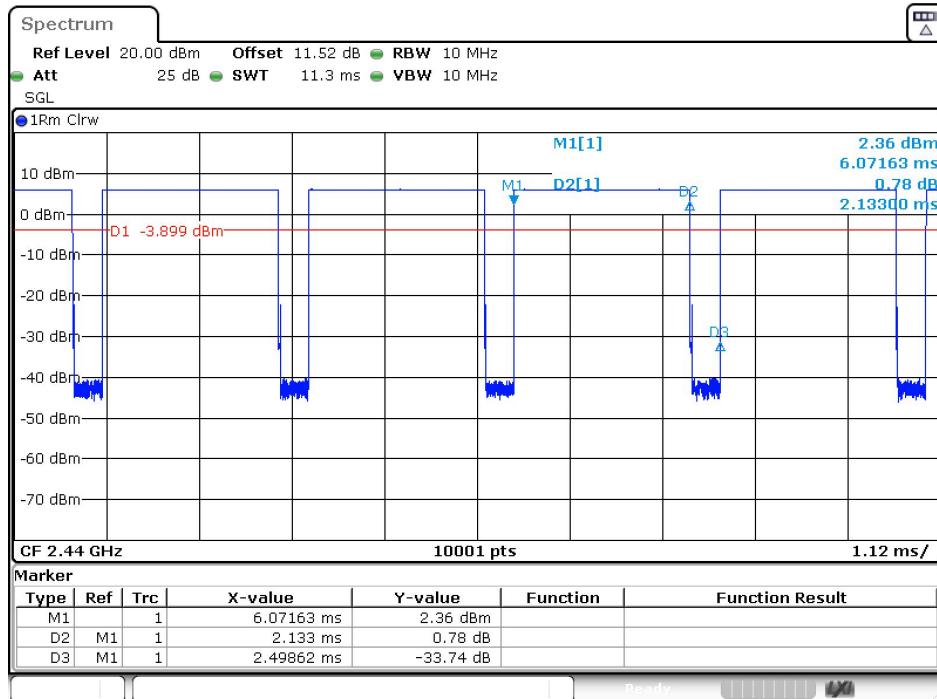
1) Duty Cycle

Test Result

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

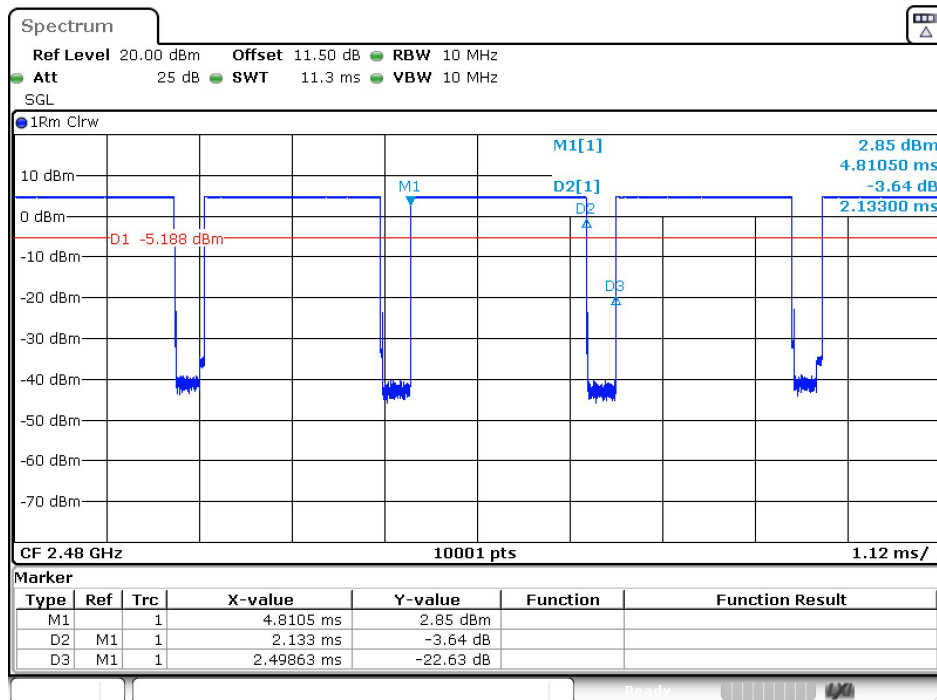
Test Graphs





Date: 15, JAN, 2025 09:24:02

BLE 1M_Channel 19



Date: 15, JAN, 2025 09:26:41

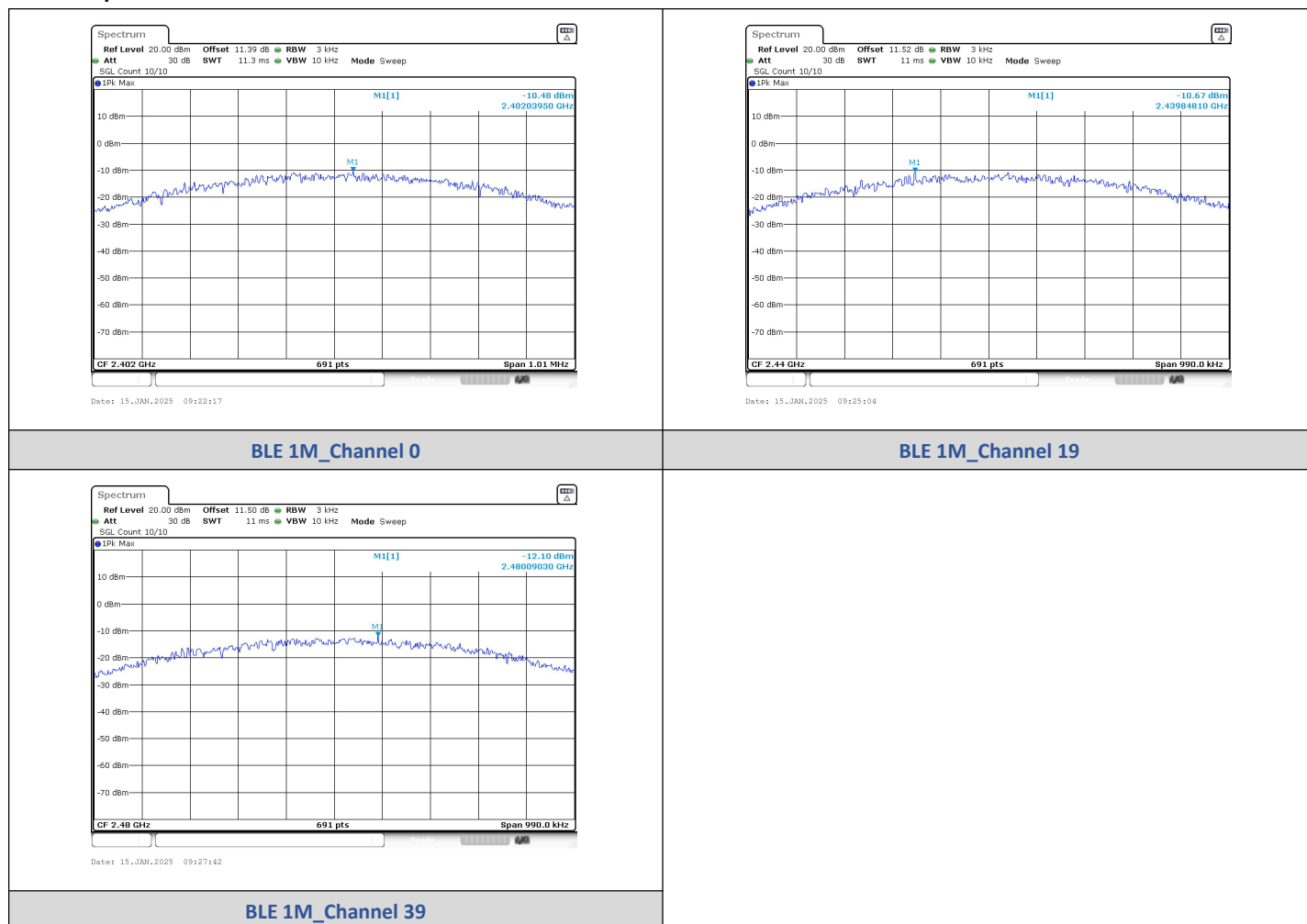
BLE 1M_Channel 39

2) Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-10.480	≤8	PASS
BLE 1M	19	-10.670	≤8	PASS
BLE 1M	39	-12.100	≤8	PASS

Test Graphs

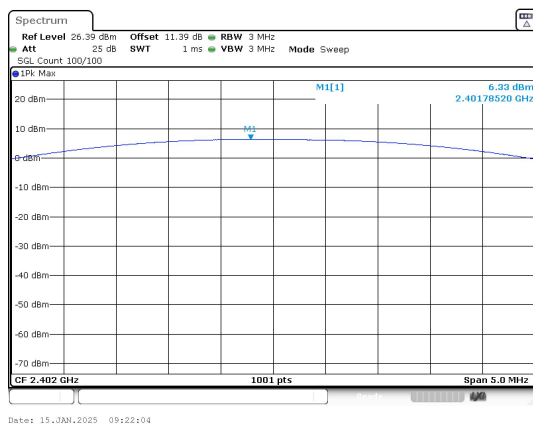


3) Conducted Output Power

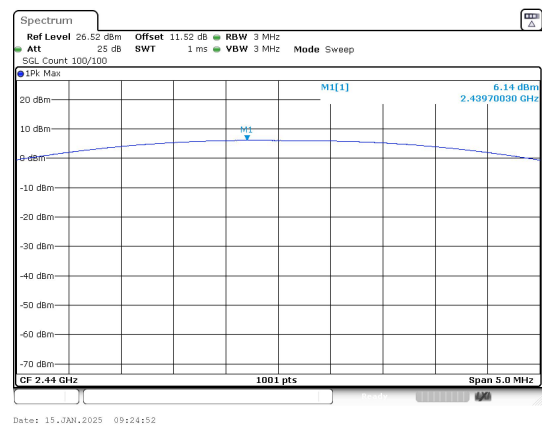
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	6.33	4.3	≤30	PASS
	19	6.14	4.11	≤30	PASS
	39	4.84	3.05	≤30	PASS

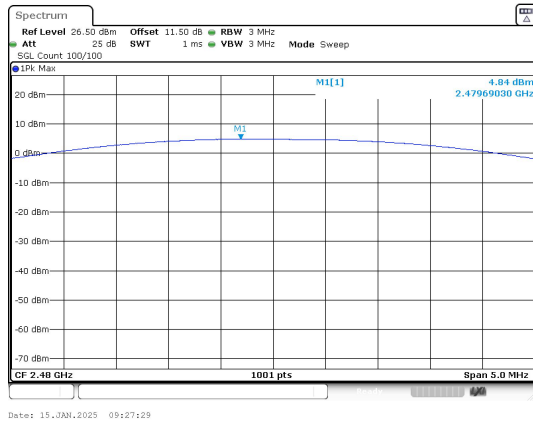
Test Graphs



Peak Output Power
BLE 1M_Channel 0



Peak Output Power
BLE 1M_Channel 19



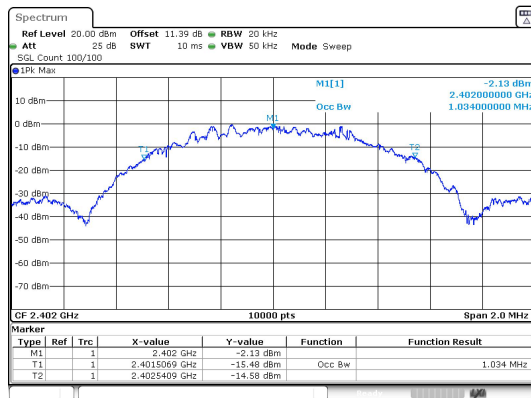
Peak Output Power
BLE 1M_Channel 39

4) 99% Bandwidth

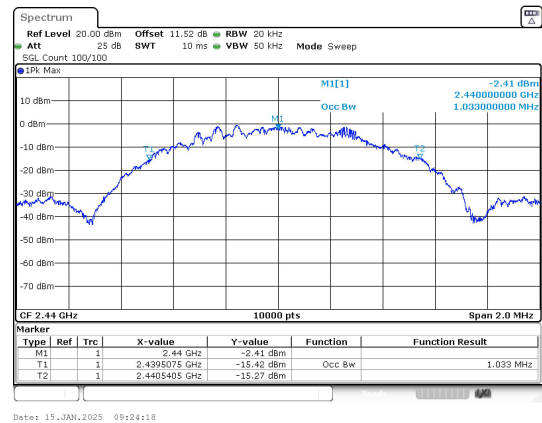
Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0340
BLE 1M	19	2440	1.0330
BLE 1M	39	2480	1.0316

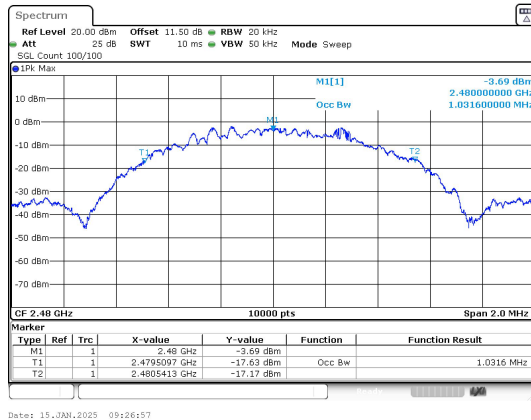
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



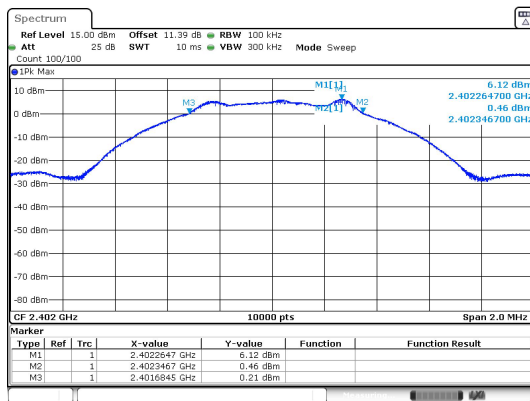
BLE 1M_Channel 39

5) 6dB Bandwidth

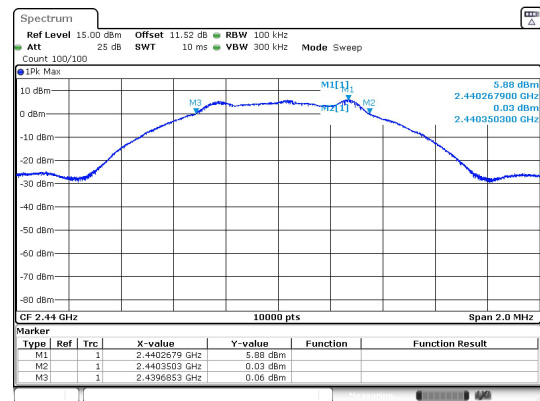
Test Result

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	0.6600		PASS

Test Graphs



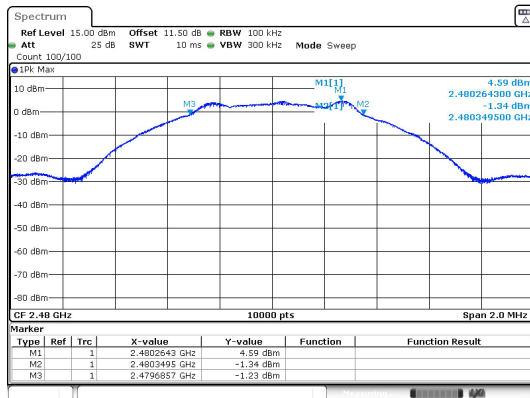
Date: 15.JAN.2025 09:21:49



Date: 15.JAN.2025 09:24:36

BLE 1M_Channel 0

BLE 1M_Channel 19



Date: 15.JAN.2025 09:27:15

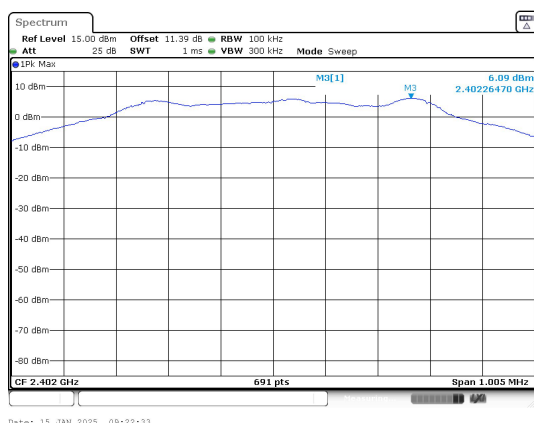
BLE 1M_Channel 39

6) Conducted Out Of Band Emission

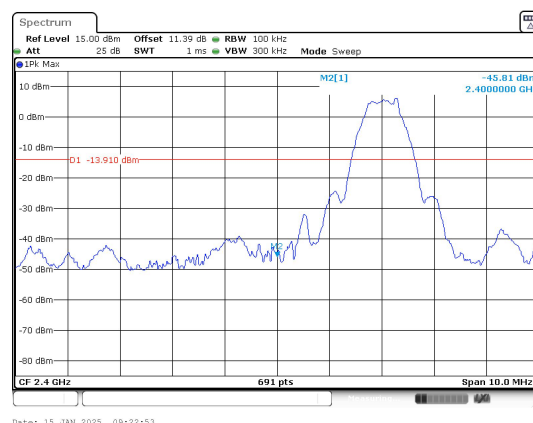
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2399.00	-40.742	-13.91	-26.832	PASS
		2400.00	-45.810	-13.91	-31.900	PASS
		9602.20	-41.623	-13.91	-27.713	PASS
	19	9753.73	-39.837	-14.14	-25.697	PASS
	39	2483.50	-45.220	-15.37	-29.850	PASS
		9914.37	-37.443	-15.37	-22.073	PASS

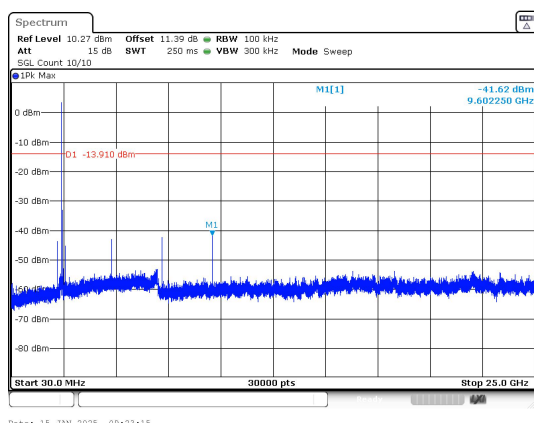
Test Graphs



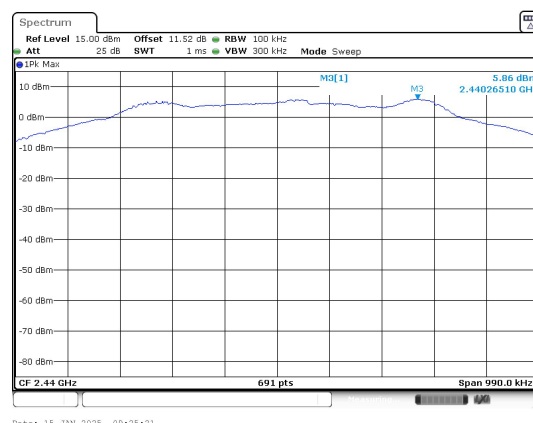
In-Band Reference Level
BLE 1M_Channel 0



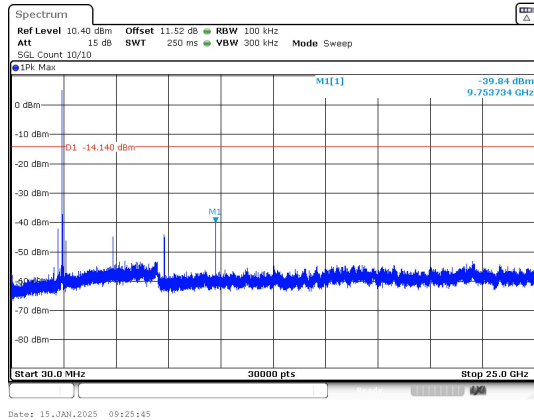
Out Of Band Emission
BLE 1M_Channel 0



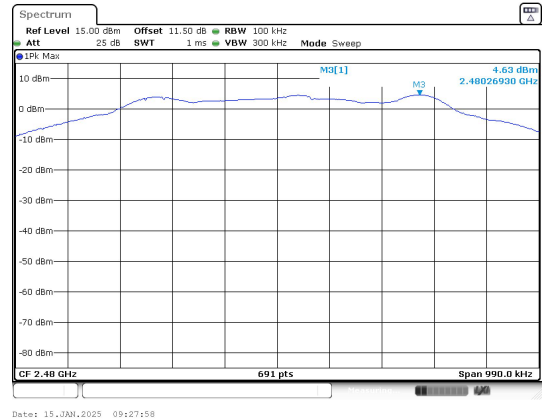
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0



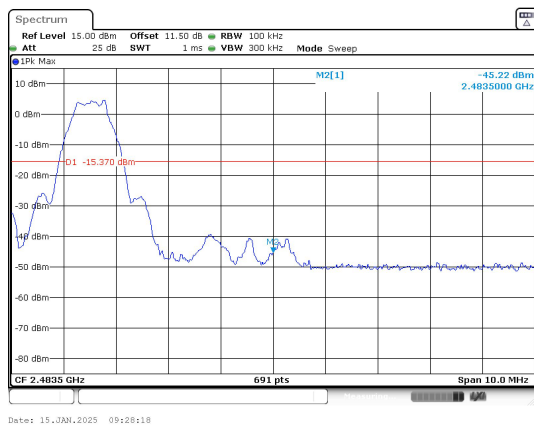
In-Band Reference Level
BLE 1M_Channel 19



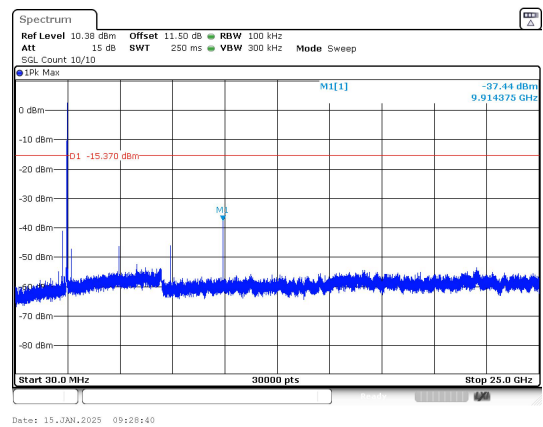
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



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-----