

Appendix Report

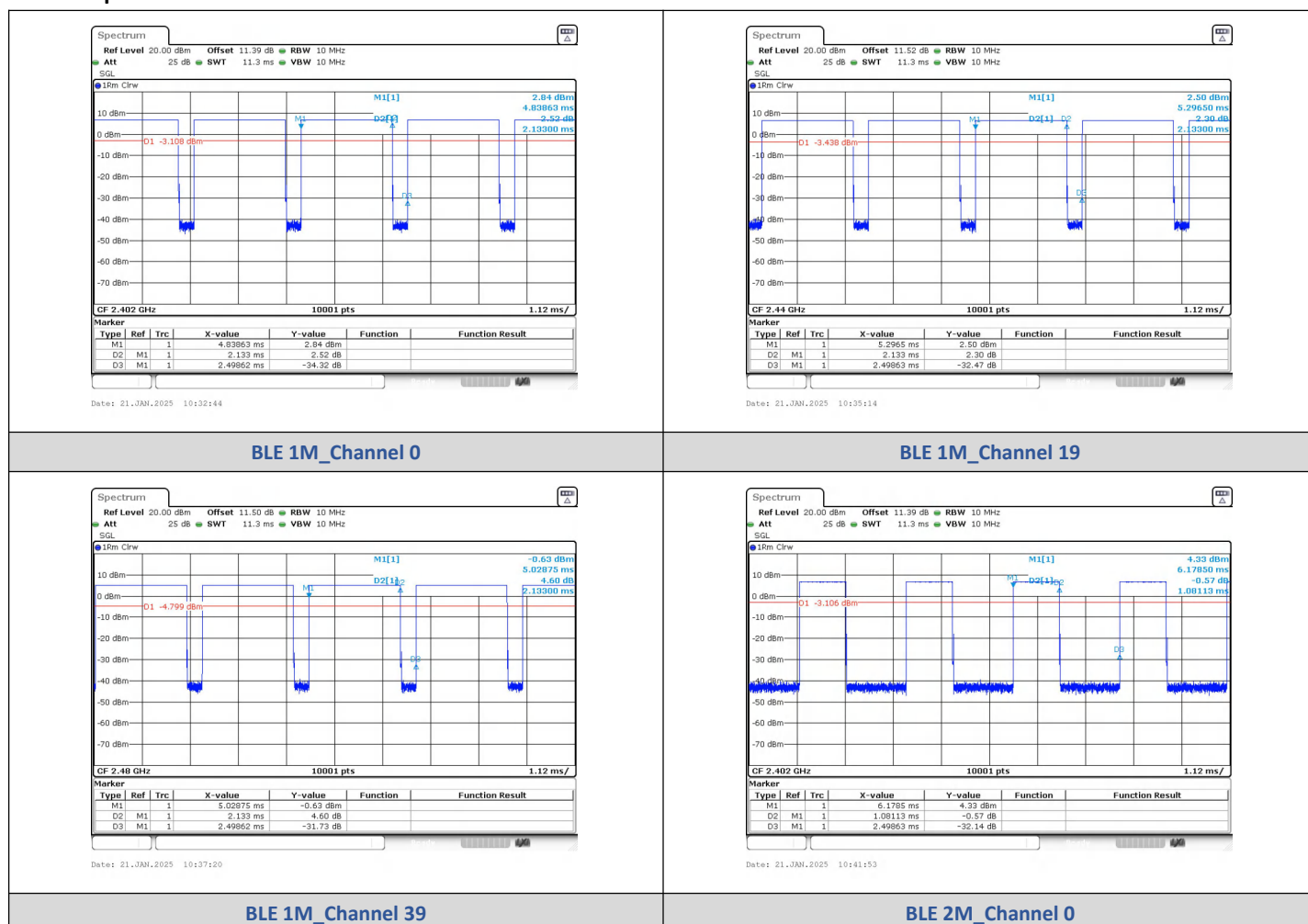
Report No.:	CISRR25011715606
Test Engineer:	Mark Fu
Supervised by:	Rory Huang

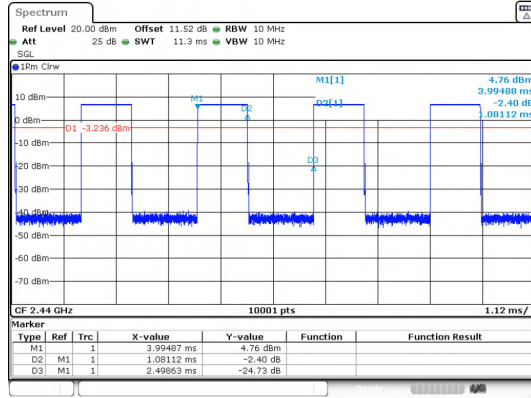
1) Duty Cycle

Test Result

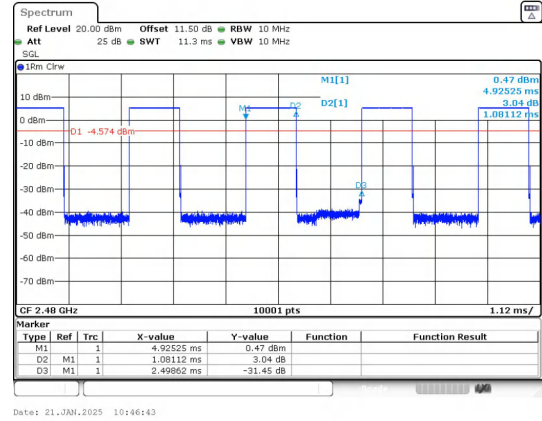
Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	2.133	2.499	85.37	0.8537	0.6869	0.4688
	19	2.133	2.499	85.37	0.8537	0.6869	0.4688
	39	2.133	2.499	85.37	0.8537	0.6869	0.4688
BLE 2M	0	1.081	2.499	43.27	0.4327	3.6381	0.9251
	19	1.081	2.499	43.27	0.4327	3.6381	0.9251
	39	1.081	2.499	43.27	0.4327	3.6381	0.9251

Test Graphs





BLE 2M_Channel 19



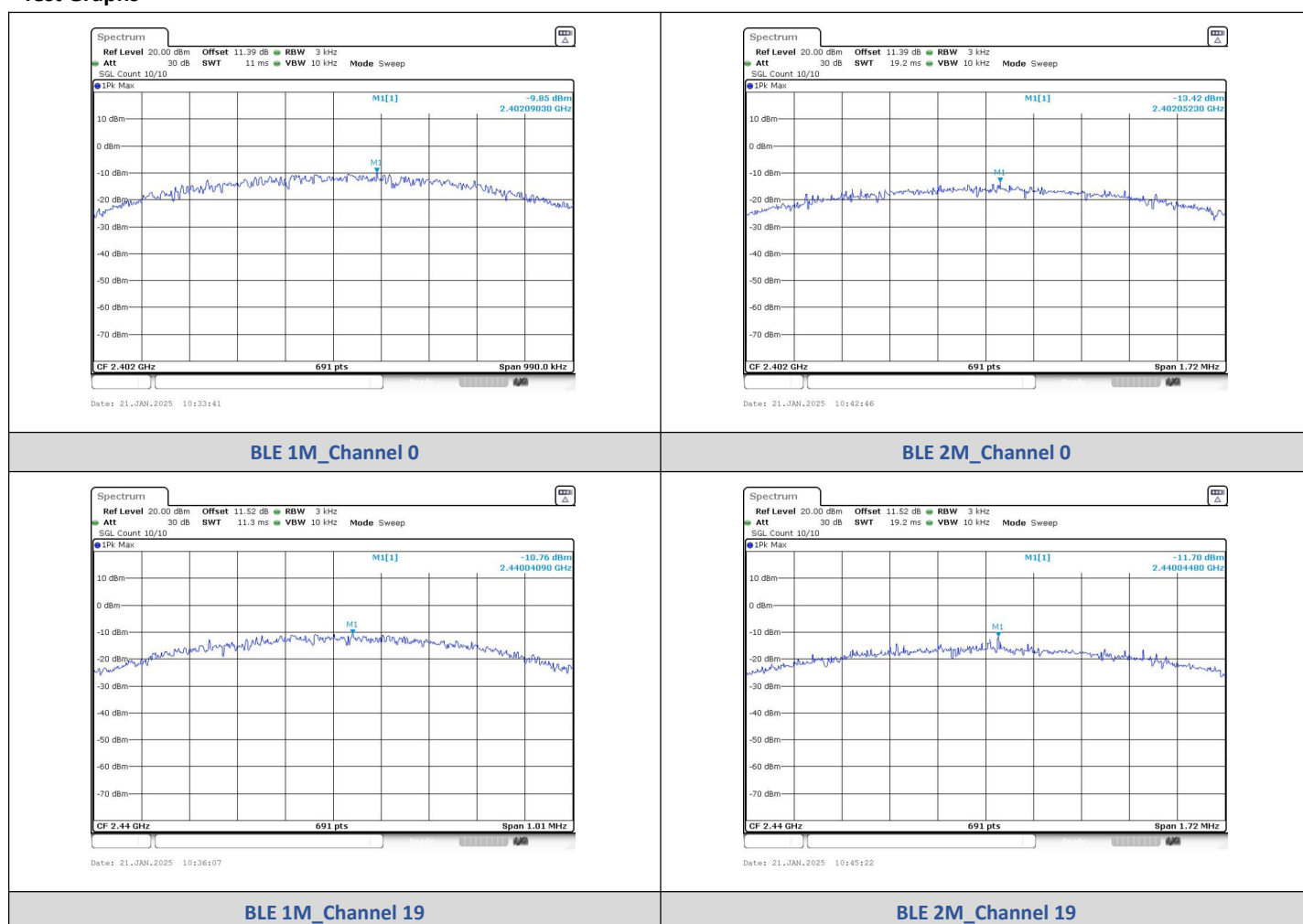
BLE 2M_Channel 39

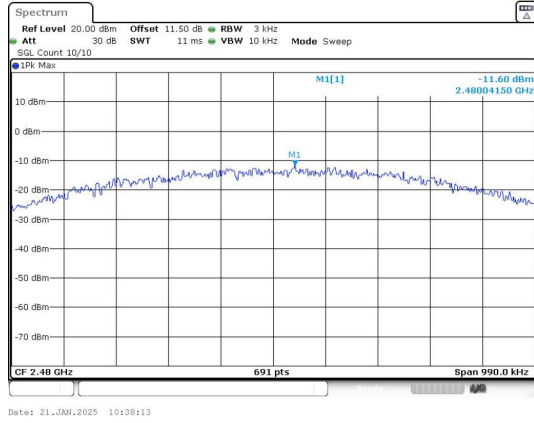
2) Power Spectral Density

Test Result

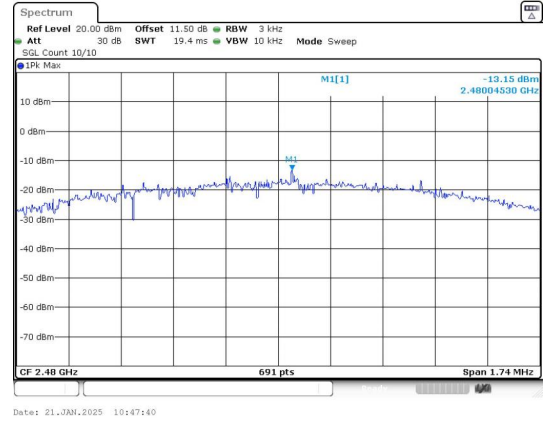
Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-9.850	≤8	PASS
BLE 1M	19	-10.760	≤8	PASS
BLE 1M	39	-11.600	≤8	PASS
BLE 2M	0	-13.420	≤8	PASS
BLE 2M	19	-11.700	≤8	PASS
BLE 2M	39	-13.150	≤8	PASS

Test Graphs





BLE 1M_Channel 39



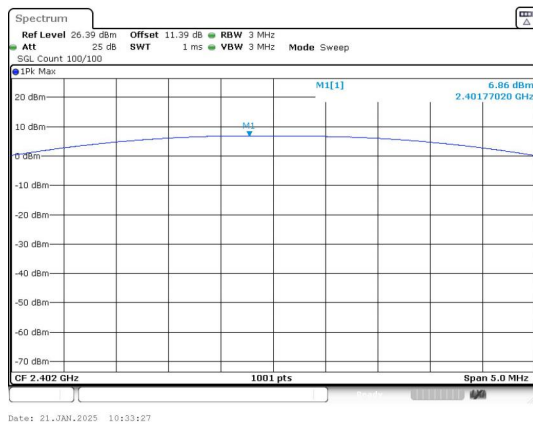
BLE 2M_Channel 39

3) Conducted Output Power

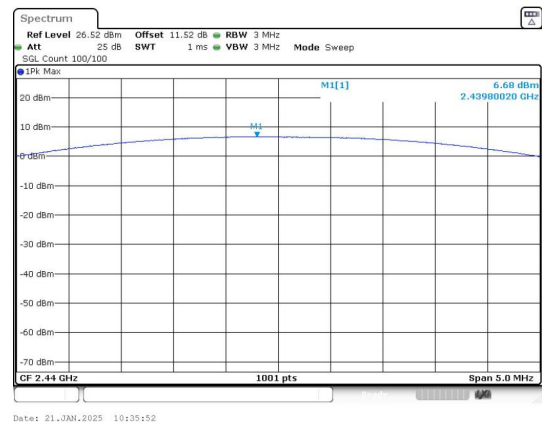
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	6.86	4.85	≤30	PASS
	19	6.68	4.66	≤30	PASS
	39	5.24	3.34	≤30	PASS
BLE 2M	0	7.00	5.01	≤30	PASS
	19	6.84	4.83	≤30	PASS
	39	5.45	3.51	≤30	PASS

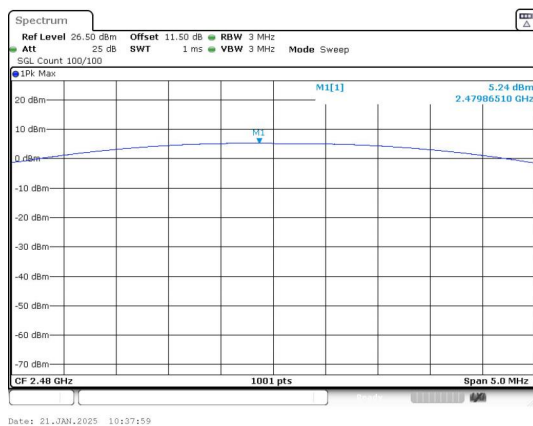
Test Graphs



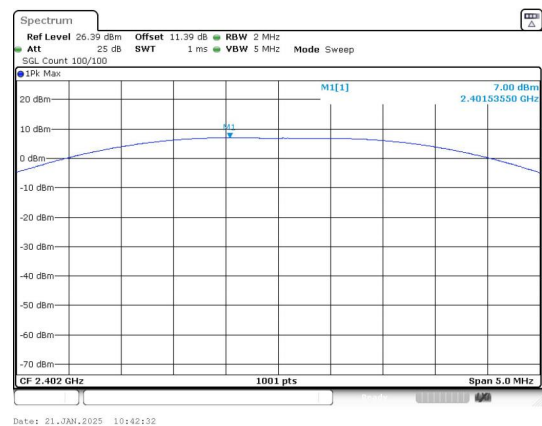
Peak Output Power
BLE 1M_Channel 0



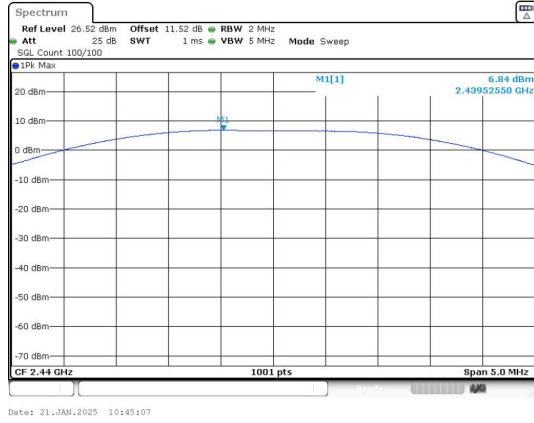
Peak Output Power
BLE 1M_Channel 19



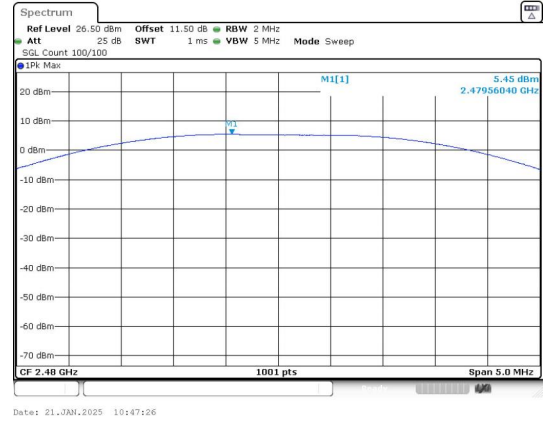
Peak Output Power
BLE 1M_Channel 39



Peak Output Power
BLE 2M_Channel 0



Peak Output Power
BLE 2M_Channel 19



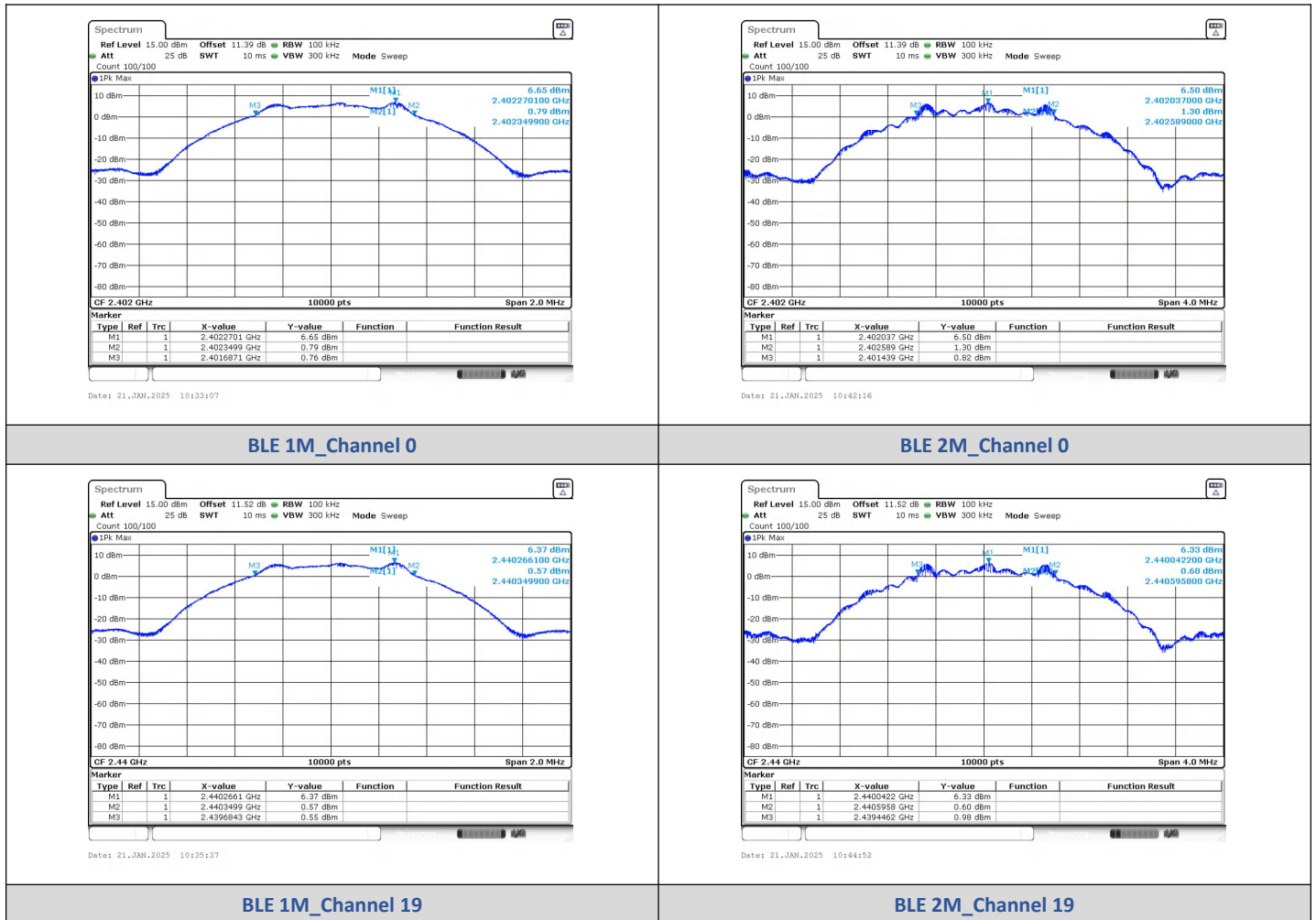
Peak Output Power
BLE 2M_Channel 39

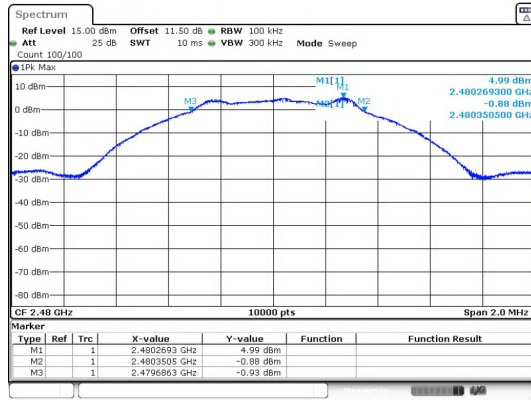
4) 6dB Bandwidth

Test Result

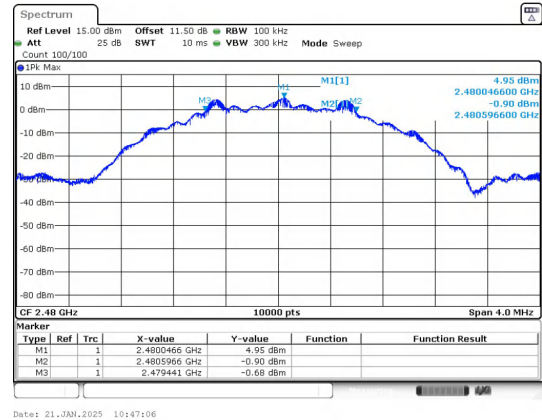
Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6600	≥0.5	PASS
	19	2440	0.6700		PASS
	39	2480	0.6600		PASS
BLE 2M	0	2402	1.150		PASS
	19	2440	1.150		PASS
	39	2480	1.160		PASS

Test Graphs





BLE 1M_Channel 39



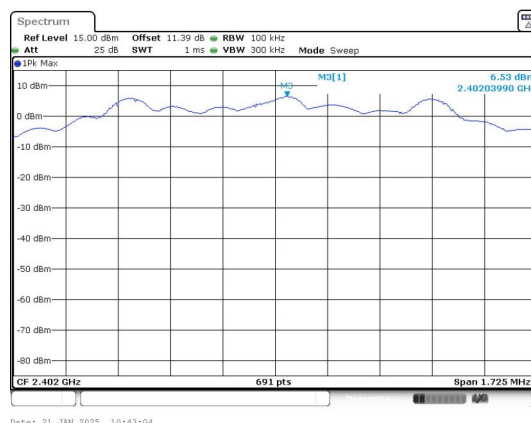
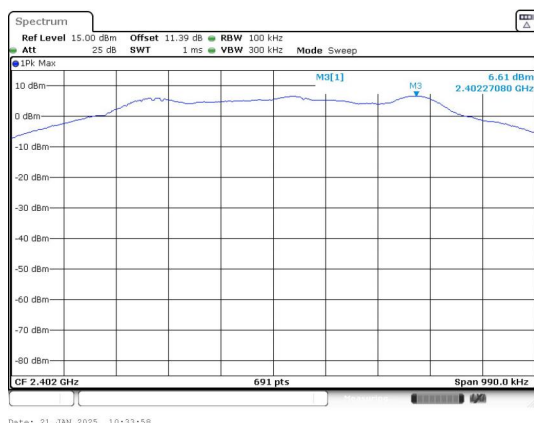
BLE 2M_Channel 39

5) Conducted Out Of Band Emission

Test Result

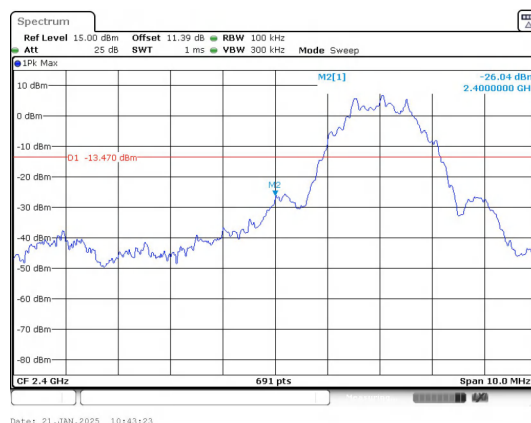
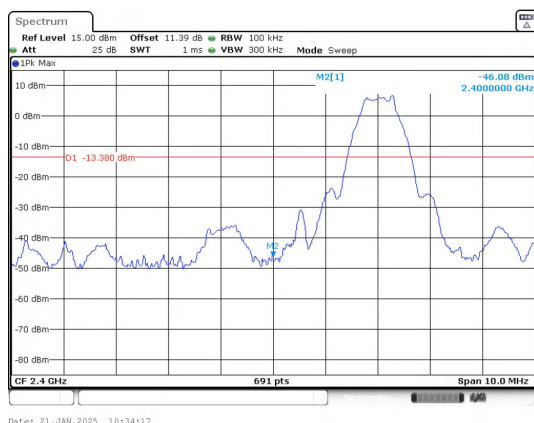
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2399.00	-36.785	-13.38	-23.405	PASS
		2400.00	-46.080	-13.38	-32.700	PASS
		7206.80	-42.172	-13.38	-28.792	PASS
	19	9753.73	-40.138	-13.64	-26.498	PASS
		2483.50	-44.190	-15.02	-29.170	PASS
		9914.37	-38.058	-15.02	-23.038	PASS
BLE 2M	0	2400.00	-26.040	-13.47	-12.570	PASS
		9602.25	-42.117	-13.47	-28.647	PASS
	19	9753.73	-41.257	-13.65	-27.607	PASS
		2483.50	-49.330	-15.04	-34.290	PASS
	39	9914.37	-38.077	-15.04	-23.037	PASS

Test Graphs



In-Band Reference Level
BLE 1M_Channel 0

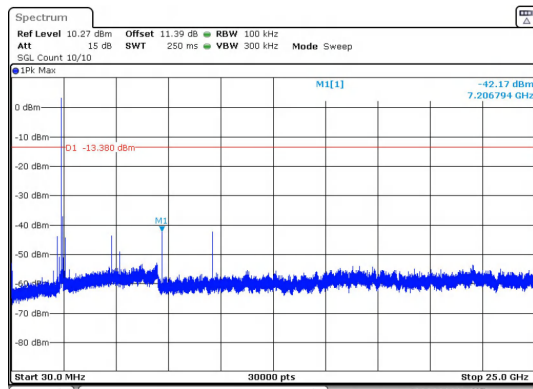
In-Band Reference Level
BLE 2M_Channel 0



Out Of Band Emission

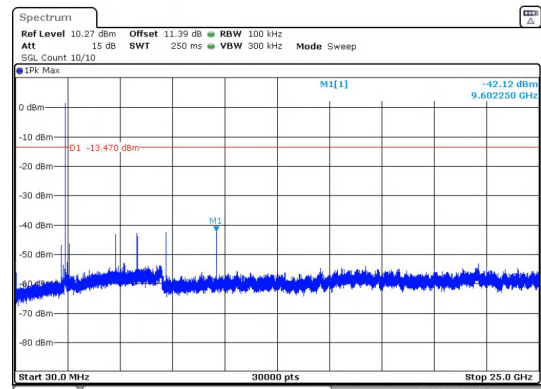
Out Of Band Emission

BLE 1M_Channel 0



Date: 21.JAN.2025 10:34:40

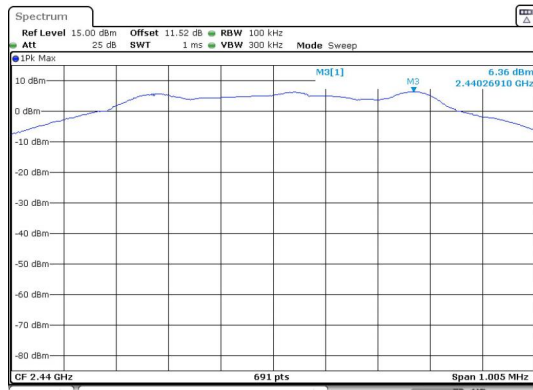
BLE 2M_Channel 0



Date: 21.JAN.2025 10:43:45

30.0 MHz - 25000.0 MHz

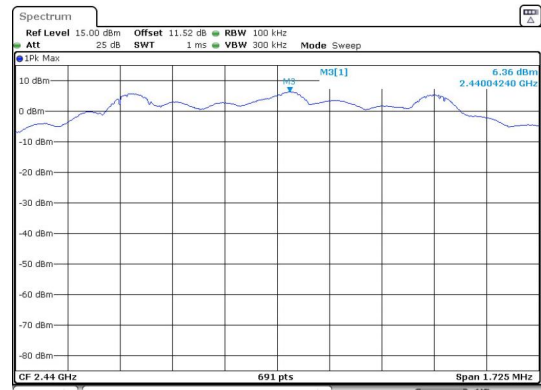
BLE 1M_Channel 0



Date: 21.JAN.2025 10:36:24

30.0 MHz - 25000.0 MHz

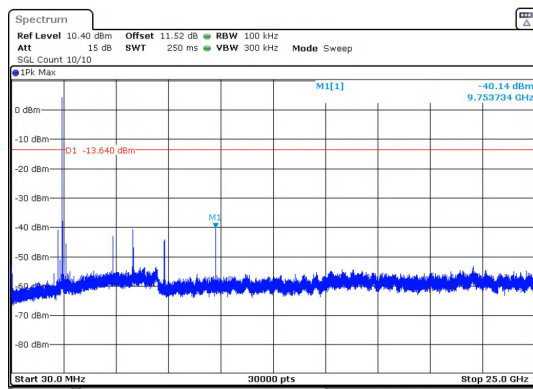
BLE 2M_Channel 0



Date: 21.JAN.2025 10:45:39

In-Band Reference Level

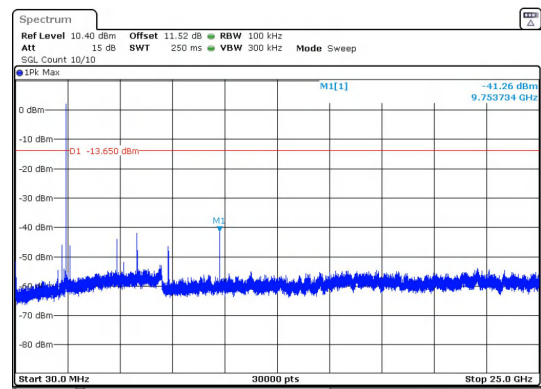
BLE 1M_Channel 19



Date: 21.JAN.2025 10:36:49

In-Band Reference Level

BLE 2M_Channel 19



Date: 21.JAN.2025 10:46:04

30.0 MHz - 25000.0 MHz

BLE 1M_Channel 19



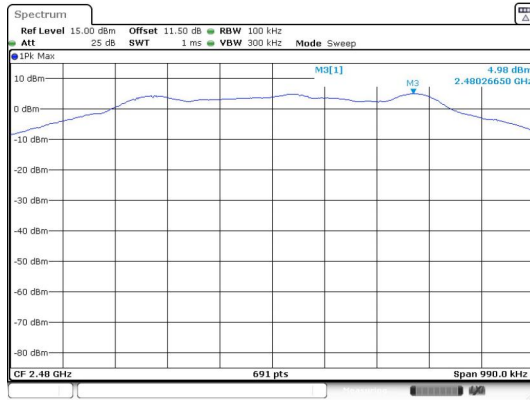
Date: 21.JAN.2025 10:36:49

30.0 MHz - 25000.0 MHz

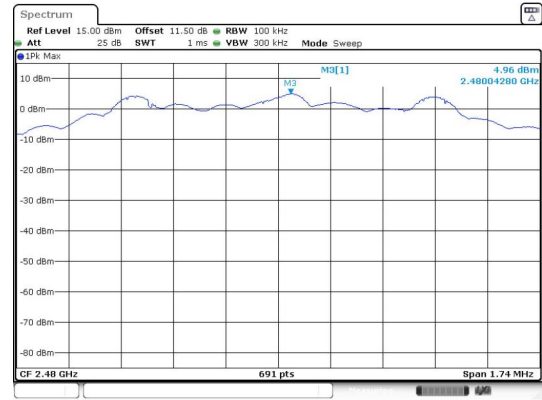
BLE 2M_Channel 19



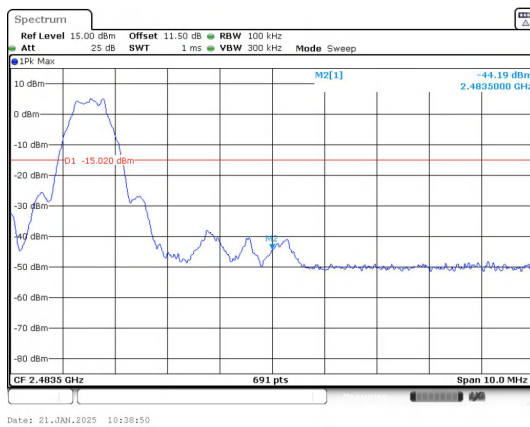
Date: 21.JAN.2025 10:46:04



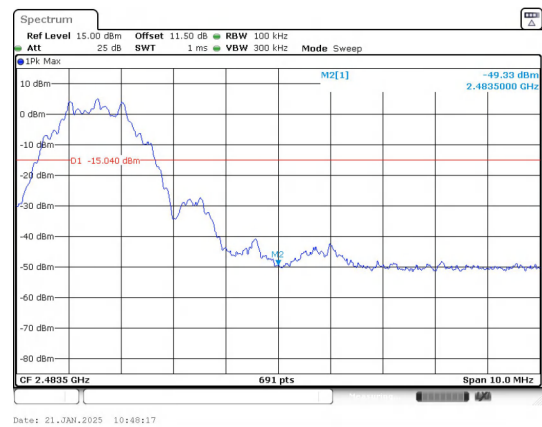
In-Band Reference Level
BLE 1M_Channel 39



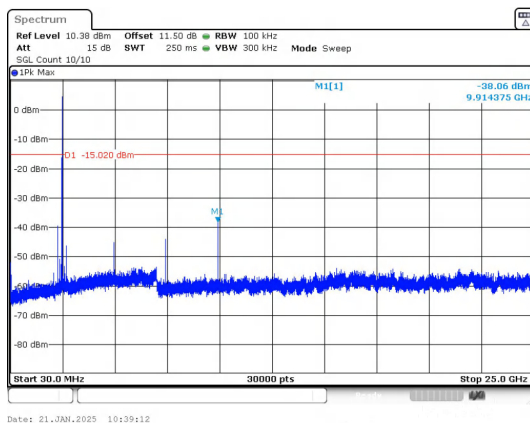
In-Band Reference Level
BLE 2M_Channel 39



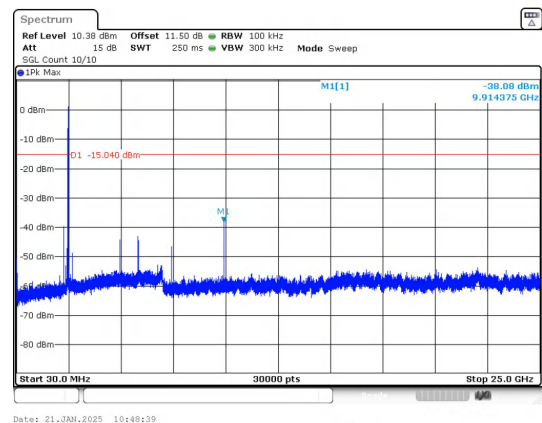
Out Of Band Emission
BLE 1M_Channel 39



Out Of Band Emission
BLE 2M_Channel 39



30.0 MHz - 25000.0 MHz
BLE 1M_Channel 39



30.0 MHz - 25000.0 MHz
BLE 2M_Channel 39

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