Appendix

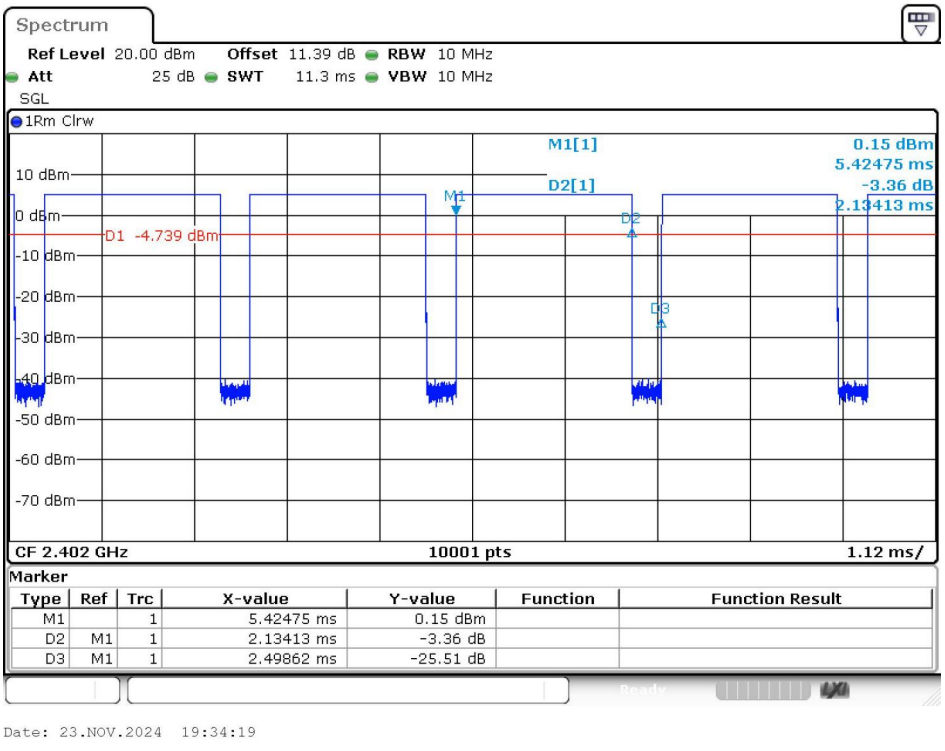
Report No.:	CISRR241119115
FCC ID:	2BMBZ-MY-2616Y
Product Name:	massager
Model No.:	MY-2616Y
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

1) Duty Cycle

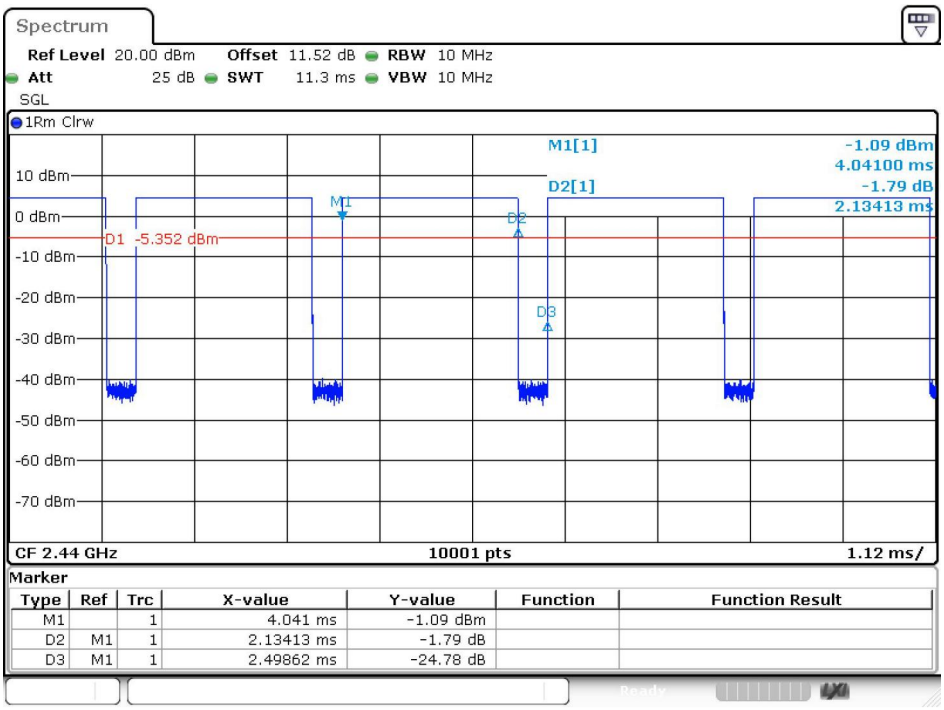
Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	2.134	2.499	85.41	0.8541	0.6849	0.4686
	19	2.134	2.499	85.41	0.8541	0.6849	0.4686
	39	2.133	2.499	85.37	0.8537	0.6869	0.4688
BLE 2M	0	1.082	2.500	43.29	0.4329	3.6361	0.9242
	19	1.081	2.499	43.27	0.4327	3.6381	0.9251
	39	1.082	2.500	43.29	0.4329	3.6361	0.9242

Test Graphs

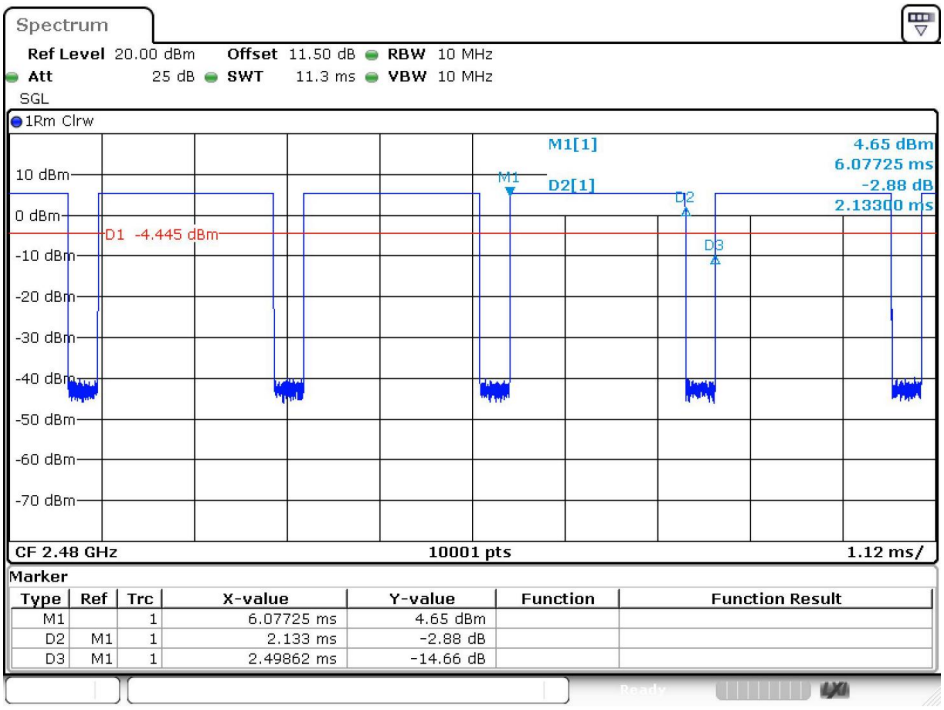


BLE 1M_Channel 0



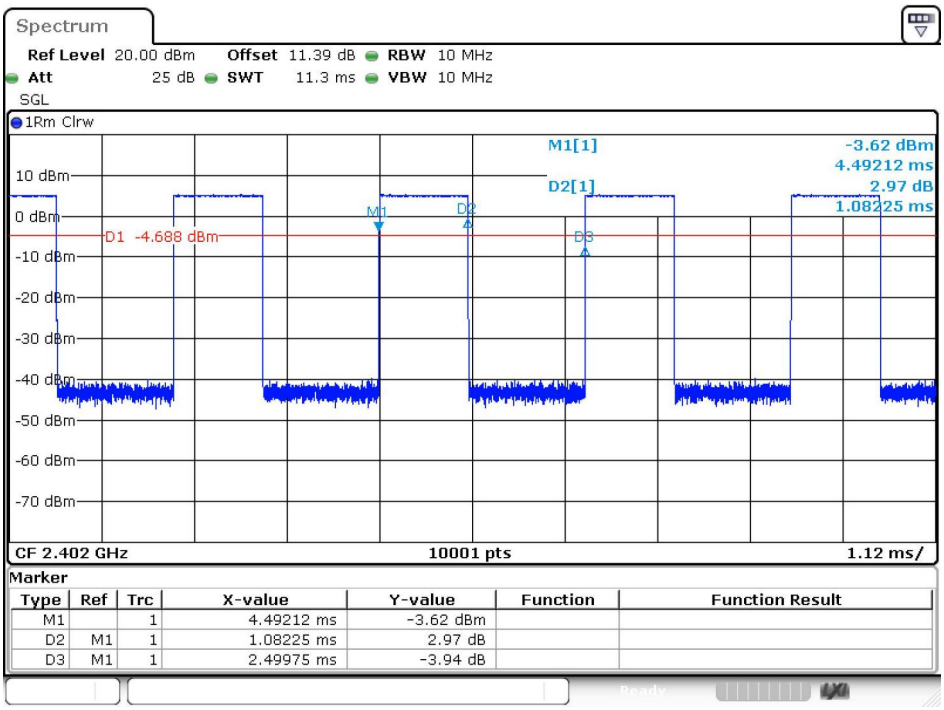
Date: 23.NOV.2024 19:37:25

BLE 1M_Channel 19



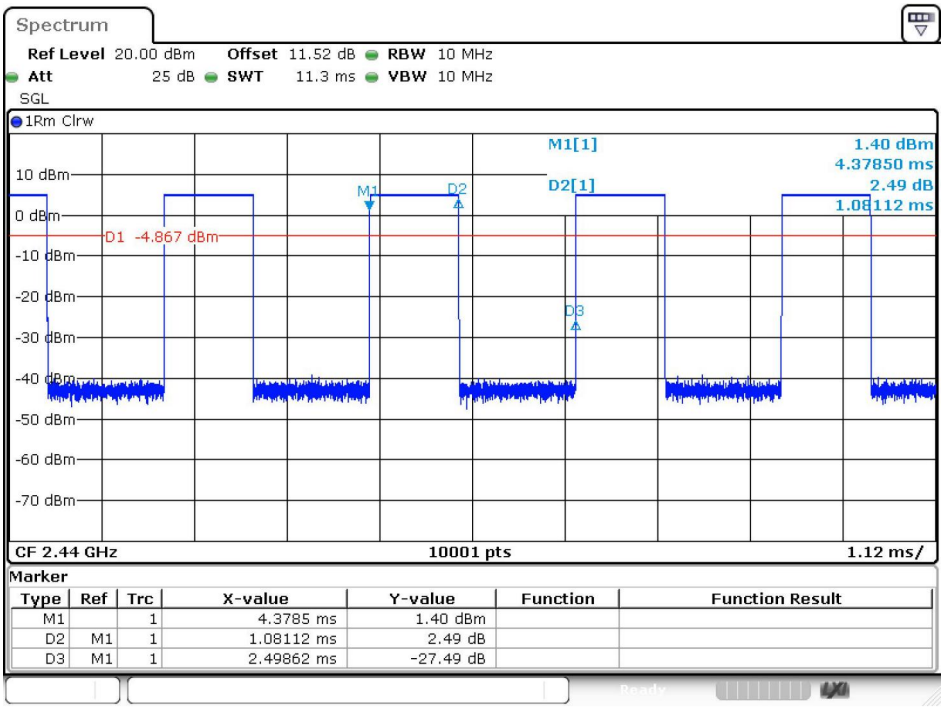
Date: 23.NOV.2024 19:40:06

BLE 1M_Channel 39



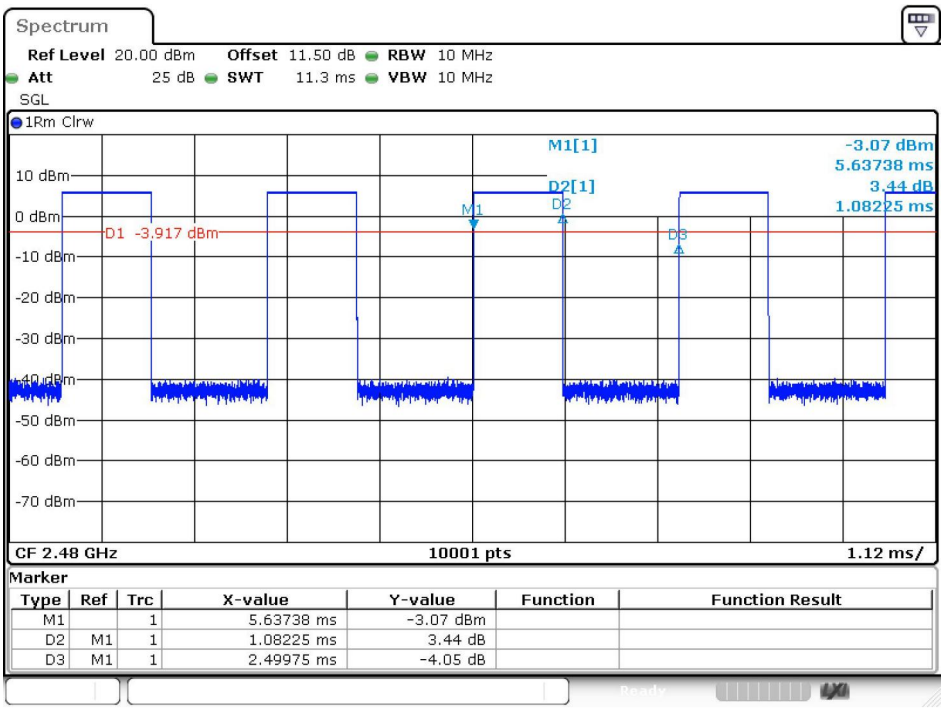
Date: 23.NOV.2024 19:42:40

BLE 2M_Channel 0



Date: 23.NOV.2024 19:45:20

BLE 2M_Channel 19



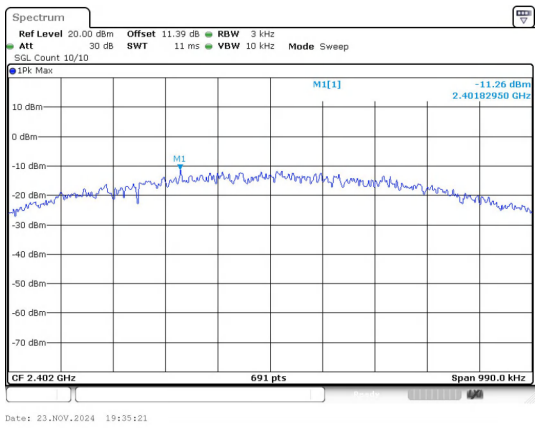
BLE 2M_Channel 39

2) Power Spectral Density

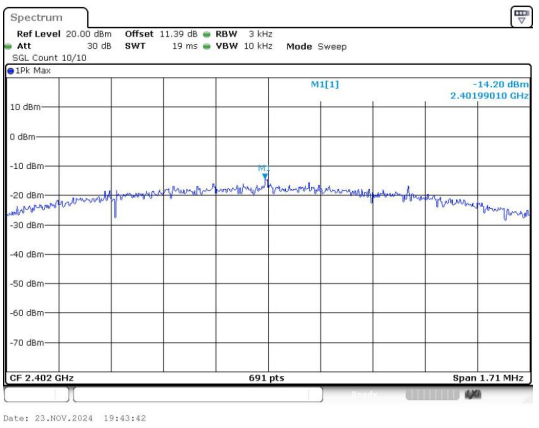
Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-11.260	≤8	PASS
BLE 1M	19	-12.450	≤8	PASS
BLE 1M	39	-11.550	≤8	PASS
BLE 2M	0	-14.200	≤8	PASS
BLE 2M	19	-13.390	≤8	PASS
BLE 2M	39	-14.110	≤8	PASS

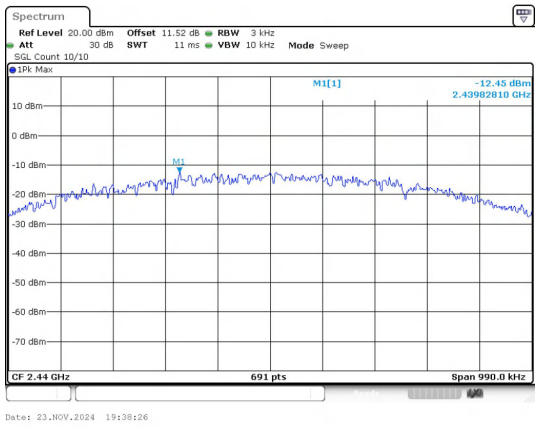
Test Graphs



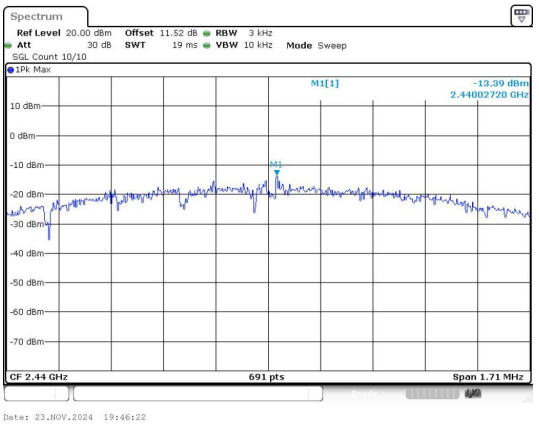
BLE 1M_Channel 0



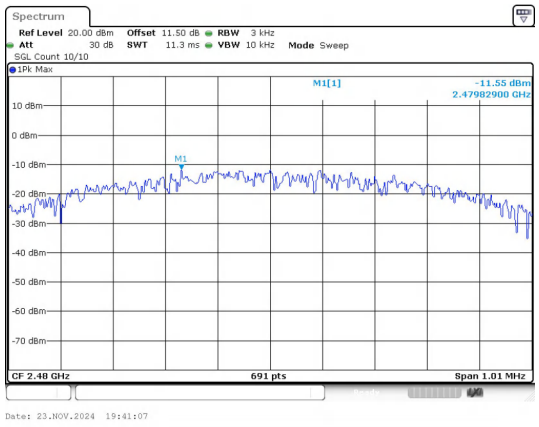
BLE 2M_Channel 0



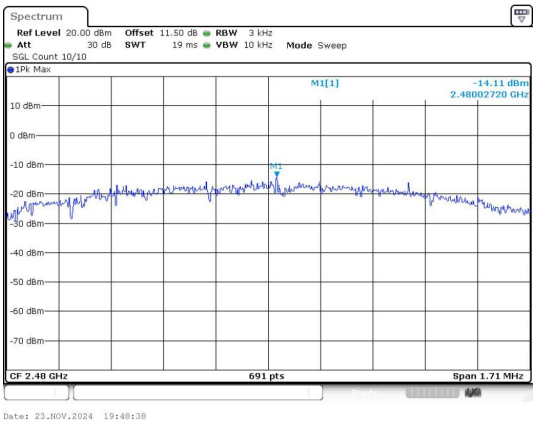
BLE 1M_Channel 19



BLE 2M_Channel 19



BLE 1M_Channel 39



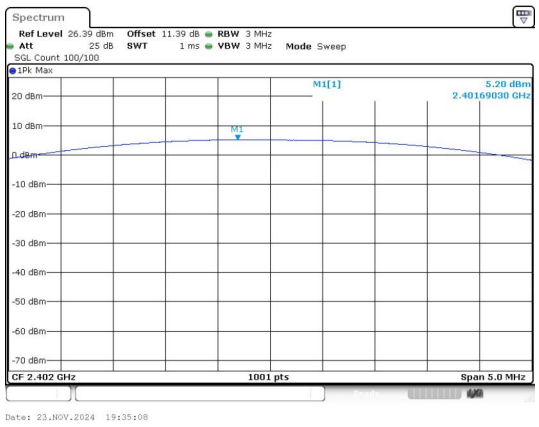
BLE 2M_Channel 39

3) Conducted Output Power

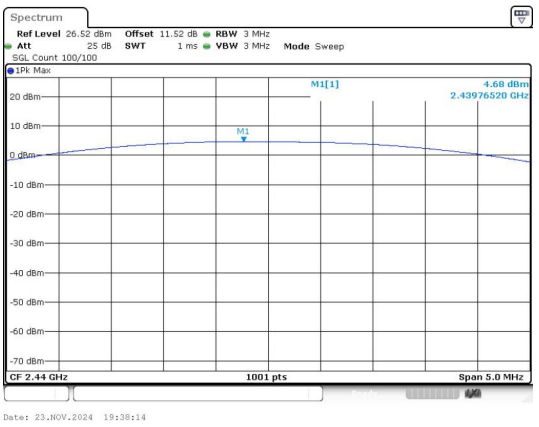
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	5.20	3.31	≤30	PASS
	19	4.68	2.94	≤30	PASS
	39	5.60	3.63	≤30	PASS
BLE 2M	0	5.47	3.52	≤30	PASS
	19	5.18	3.3	≤30	PASS
	39	6.10	4.07	≤30	PASS

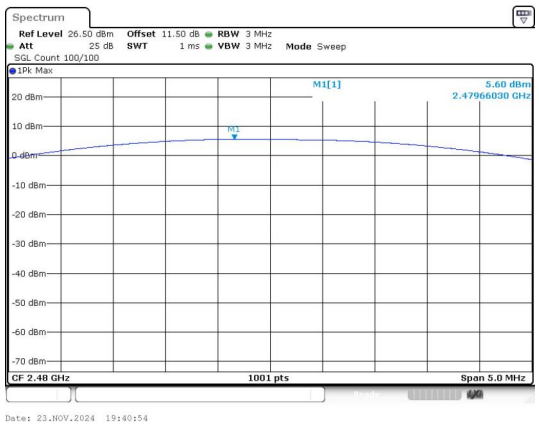
Test Graphs



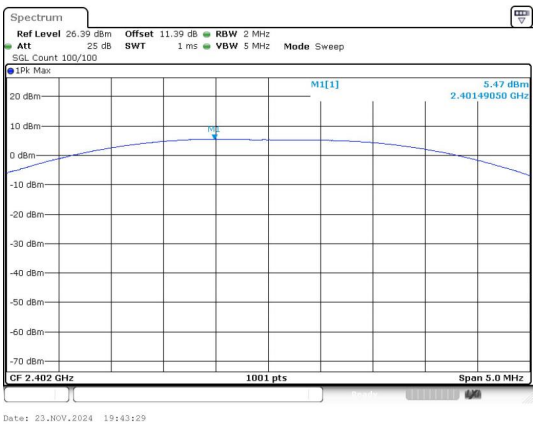
Peak Output Power
BLE 1M_Channel 0



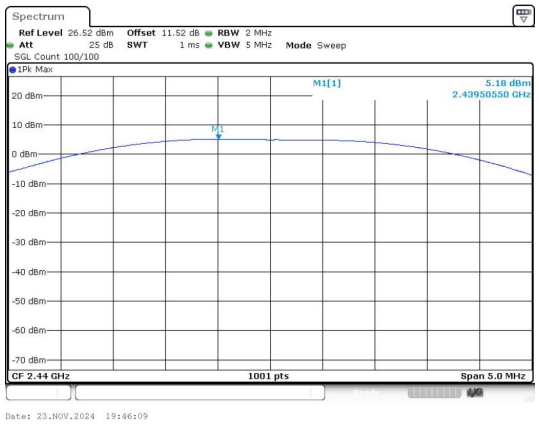
Peak Output Power
BLE 1M_Channel 19



Peak Output Power
BLE 1M_Channel 39

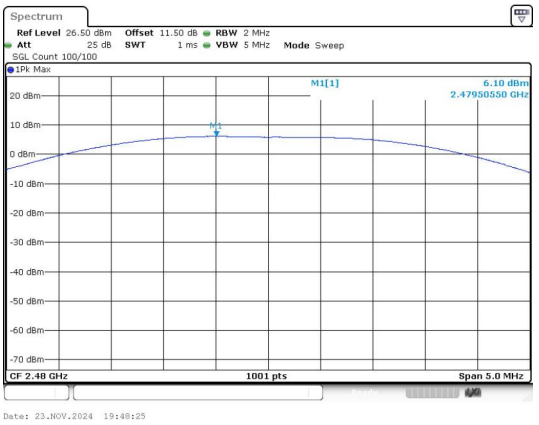


Peak Output Power
BLE 2M_Channel 0



Peak Output Power

BLE 2M_Channel 19



Peak Output Power

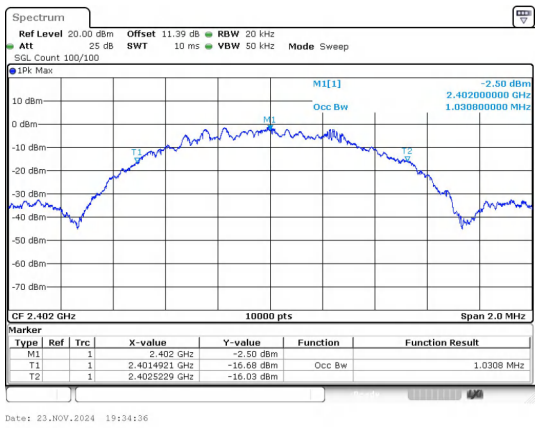
BLE 2M_Channel 39

4) 99% Bandwidth

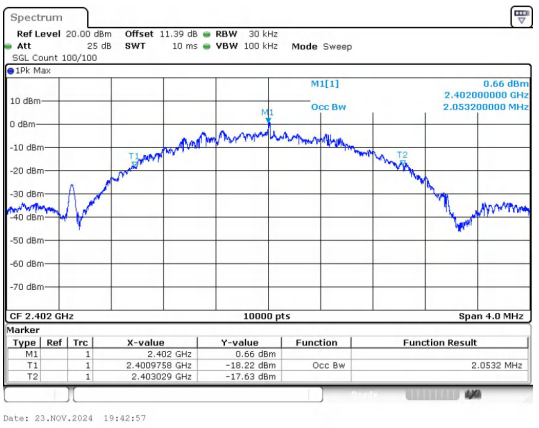
Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0308
BLE 1M	19	2440	1.0296
BLE 1M	39	2480	1.0310
BLE 2M	0	2402	2.0532
BLE 2M	19	2440	2.0572
BLE 2M	39	2480	2.0544

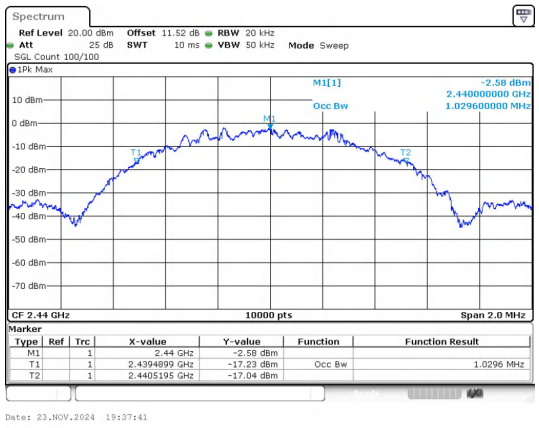
Test Graphs



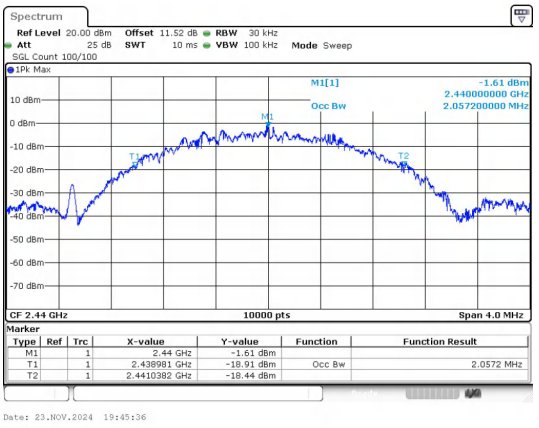
BLE 1M_Channel 0



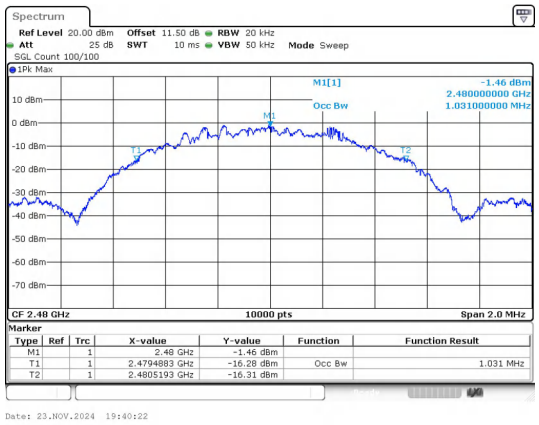
BLE 2M_Channel 0



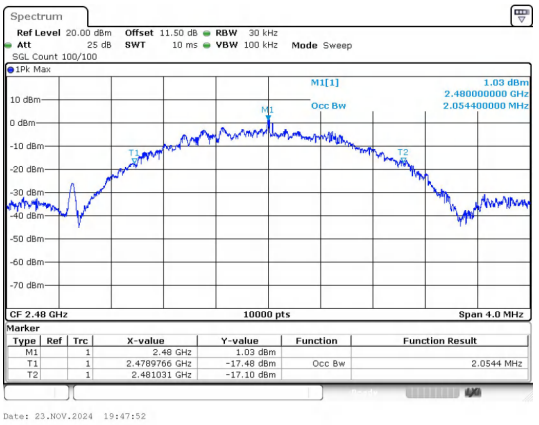
BLE 1M_Channel 19



BLE 2M_Channel 19



BLE 1M_Channel 39



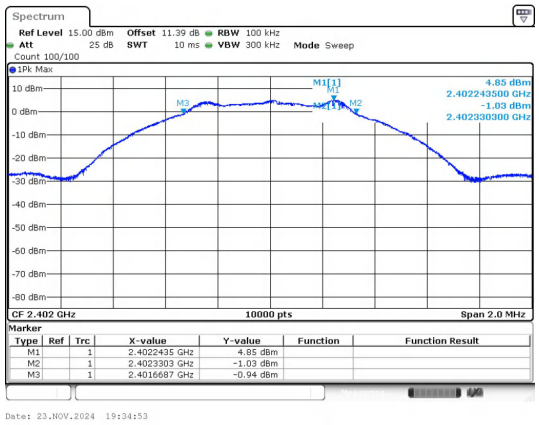
BLE 2M_Channel 39

5) 6dB Bandwidth

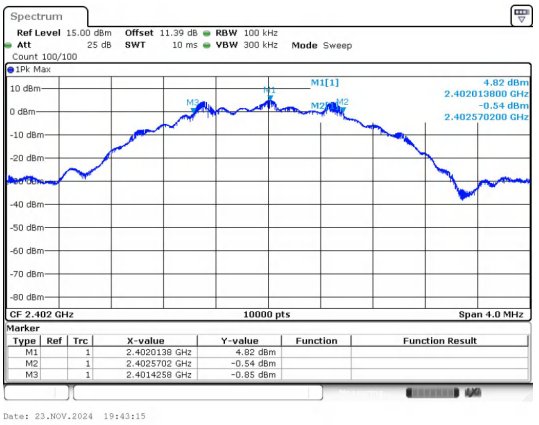
Test Result

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	0.6700		PASS
BLE 2M	0	2402	1.140		PASS
	19	2440	1.140		PASS
	39	2480	1.140		PASS

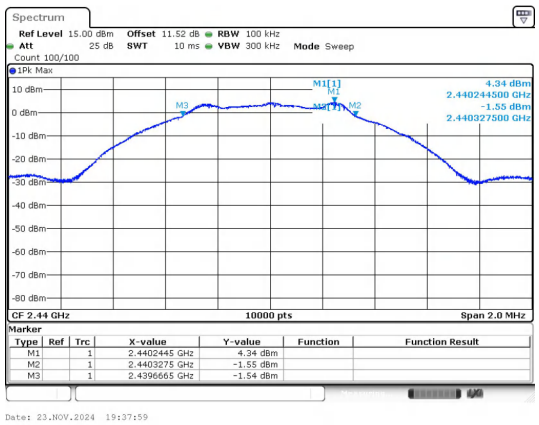
Test Graphs



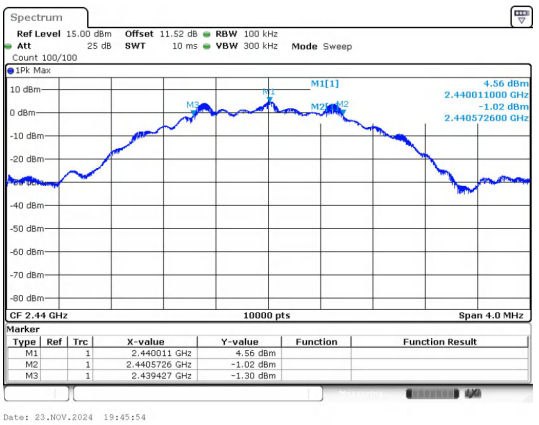
BLE 1M_Channel 0



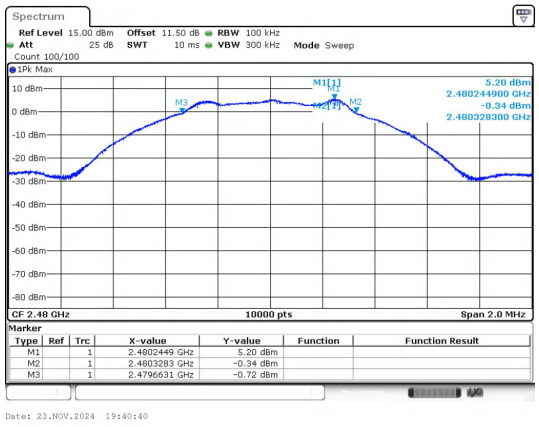
BLE 2M_Channel 0



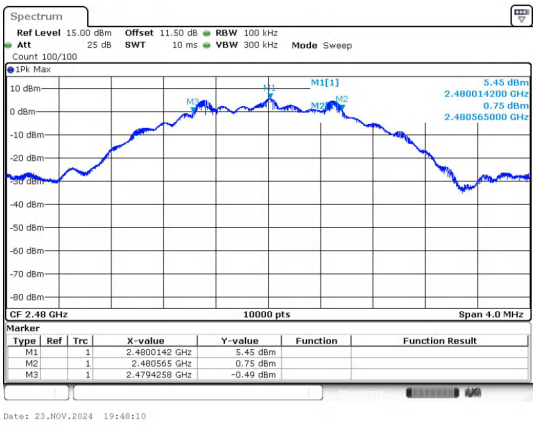
BLE 1M_Channel 19



BLE 2M_Channel 19



BLE 1M_Channel 39



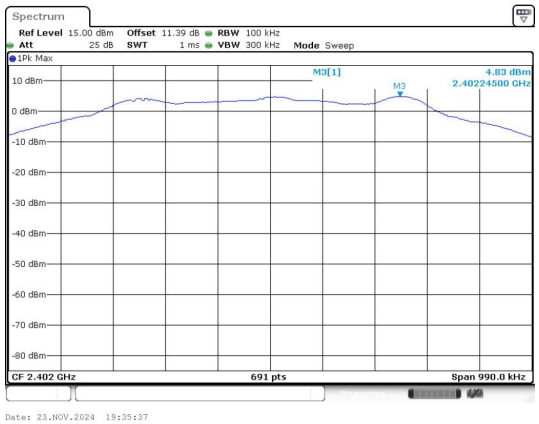
BLE 2M_Channel 39

6) Conducted Out Of Band Emission

Test Result

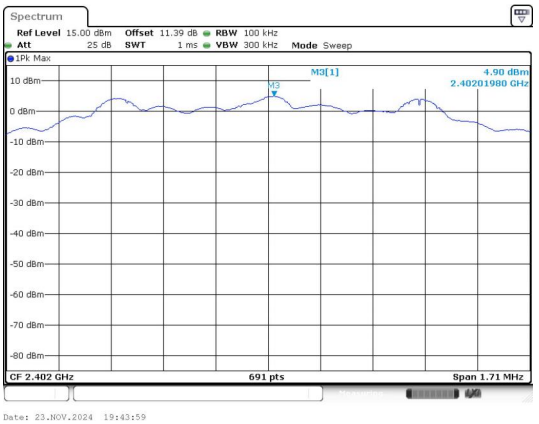
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2398.93	-39.323	-15.17	-24.153	PASS
		2400.00	-47.310	-15.17	-32.140	PASS
		9602.20	-42.348	-15.17	-27.178	PASS
	19	9753.73	-41.062	-15.67	-25.392	PASS
	39	2483.50	-41.550	-14.79	-26.760	PASS
		9914.37	-40.270	-14.79	-25.480	PASS
BLE 2M	0	2395.91	-40.809	-15.1	-25.709	PASS
		2400.00	-27.460	-15.1	-12.360	PASS
	19	9753.73	-41.693	-15.39	-26.303	PASS
	39	2483.50	-48.050	-14.52	-33.530	PASS
		9914.37	-41.112	-14.52	-26.592	PASS

Test Graphs



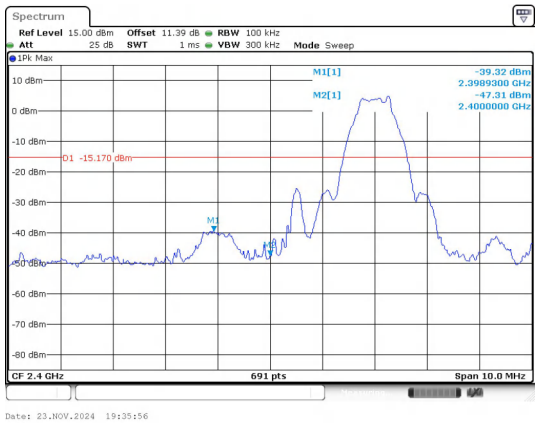
In-Band Reference Level

BLE 1M_Channel 0

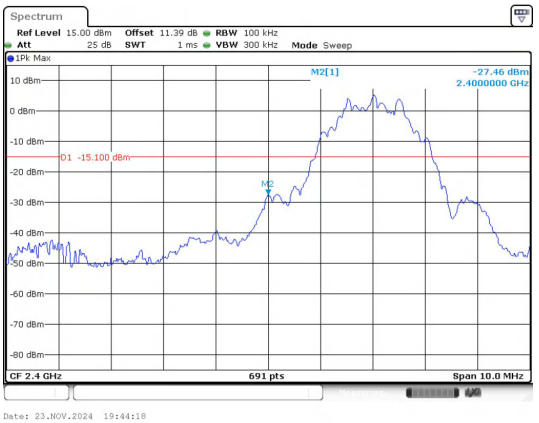


In-Band Reference Level

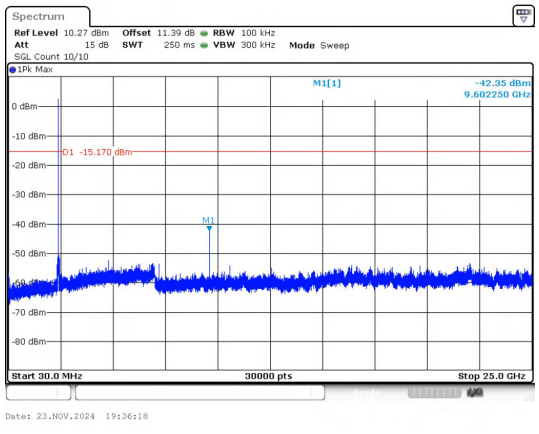
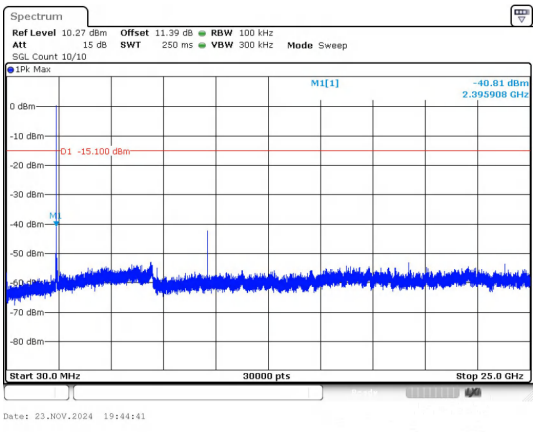
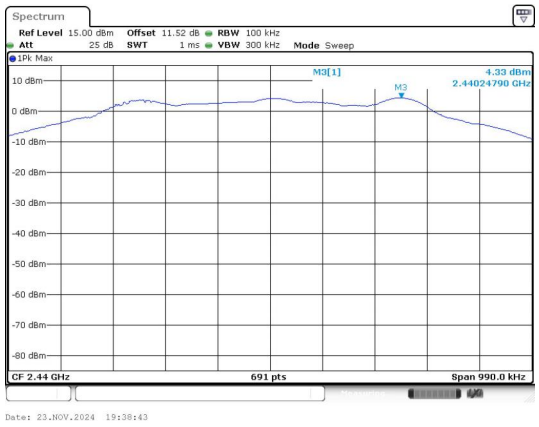
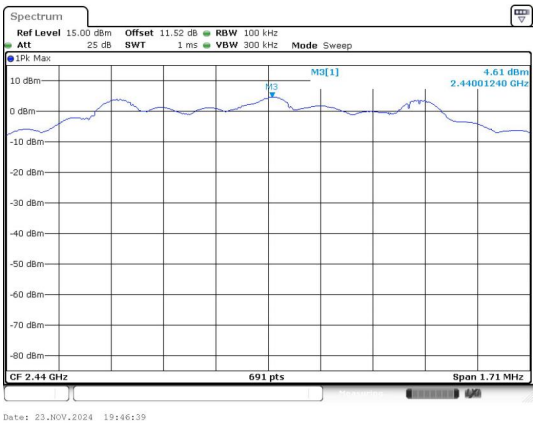
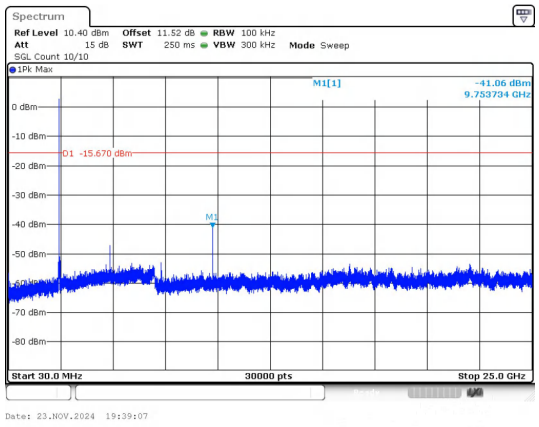
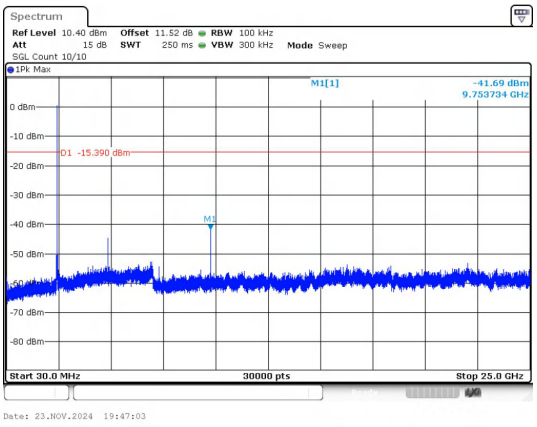
BLE 2M_Channel 0

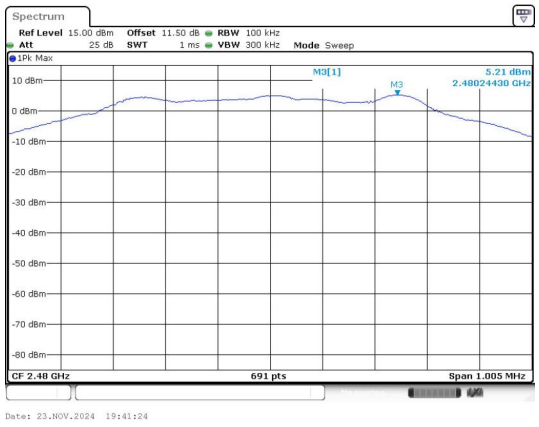


Out Of Band Emission



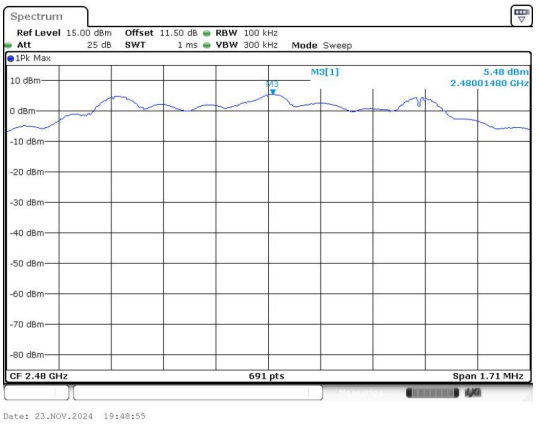
Out Of Band Emission

BLE 1M_Channel 0	BLE 2M_Channel 0
	
30.0 MHz - 25000.0 MHz **BLE 1M_Channel 0**	**30.0 MHz - 25000.0 MHz** **BLE 2M_Channel 0**
	
In-Band Reference Level **BLE 1M_Channel 19**	**In-Band Reference Level** **BLE 2M_Channel 19**
	
30.0 MHz - 25000.0 MHz **BLE 1M_Channel 19**	**30.0 MHz - 25000.0 MHz** **BLE 2M_Channel 19**



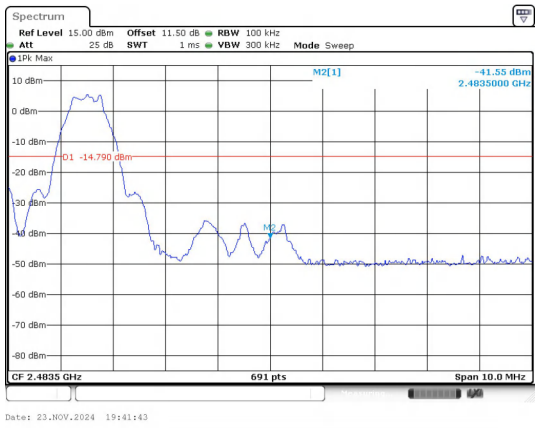
In-Band Reference Level

BLE 1M_Channel 39



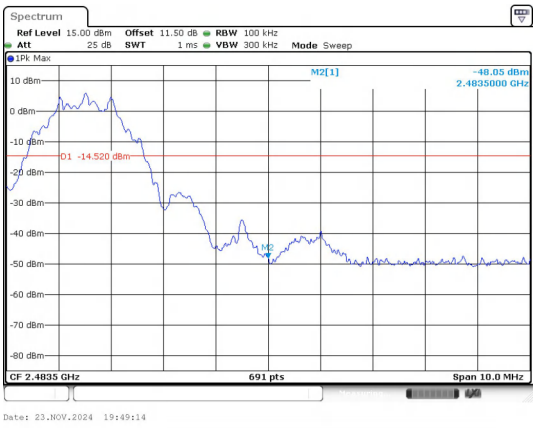
In-Band Reference Level

BLE 2M_Channel 39



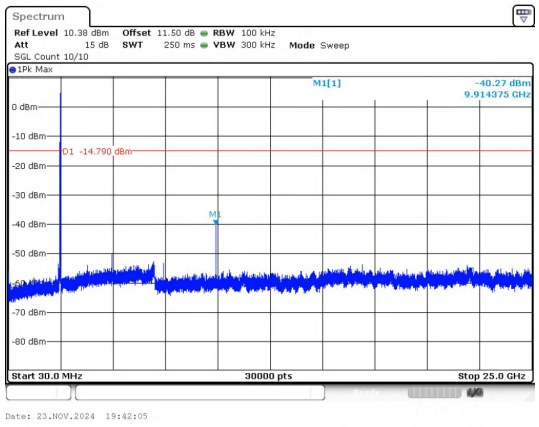
Out Of Band Emission

BLE 1M_Channel 39



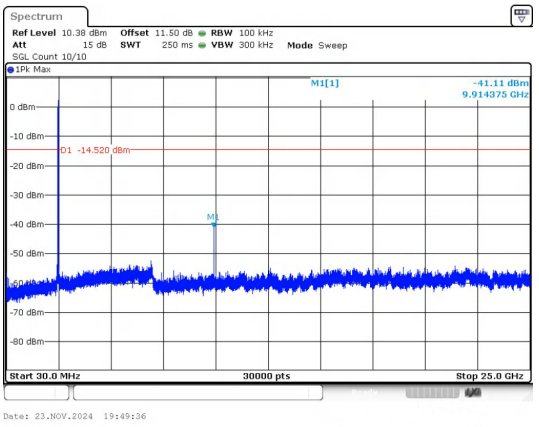
Out Of Band Emission

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-----