

Appendix

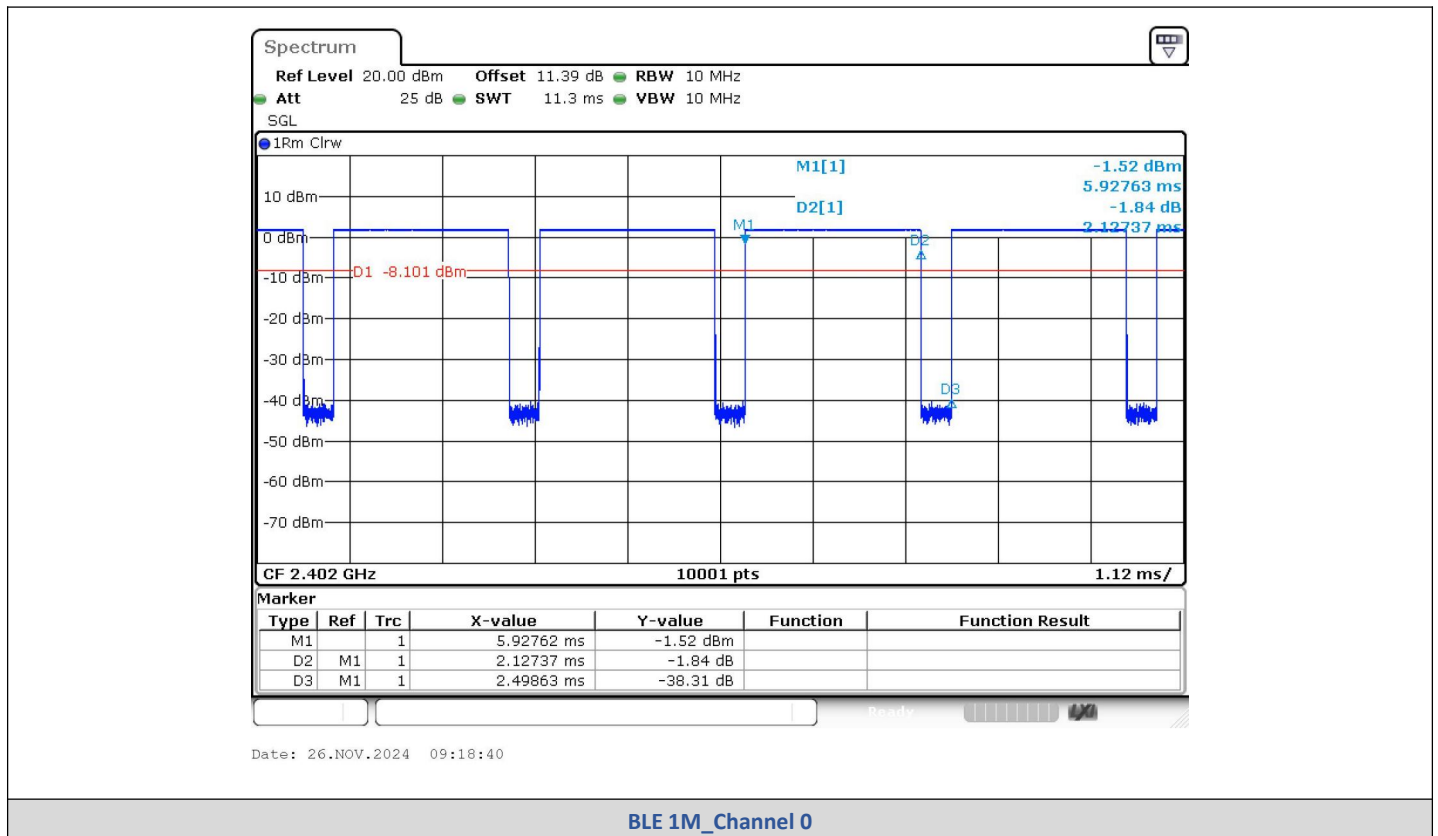
Report No.:	CISRR241122142
FCC ID:	2BMEC-08C
Product Name:	gamepad
Model No.:	08C
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

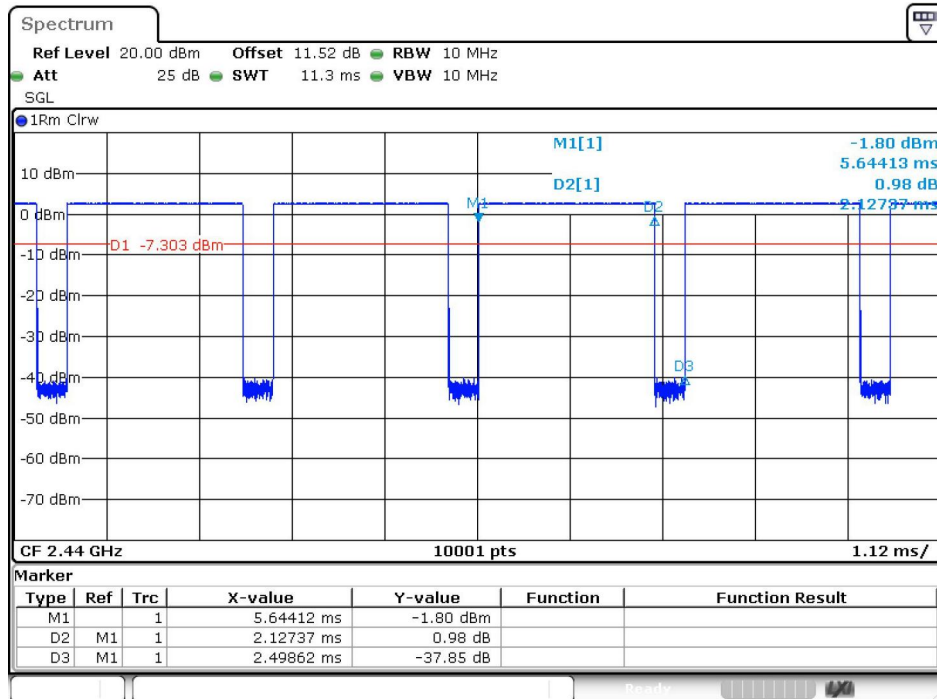
1) Duty Cycle

Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	2.127	2.499	85.14	0.8514	0.6987	0.4701
	19	2.127	2.499	85.14	0.8514	0.6987	0.4701
	39	2.127	2.499	85.14	0.8514	0.6987	0.4701
BLE 2M	0	1.075	2.499	43.04	0.4304	3.6613	0.9302
	19	1.068	2.481	43.04	0.4304	3.6613	0.9363
	39	1.075	2.499	43.04	0.4304	3.6613	0.9302

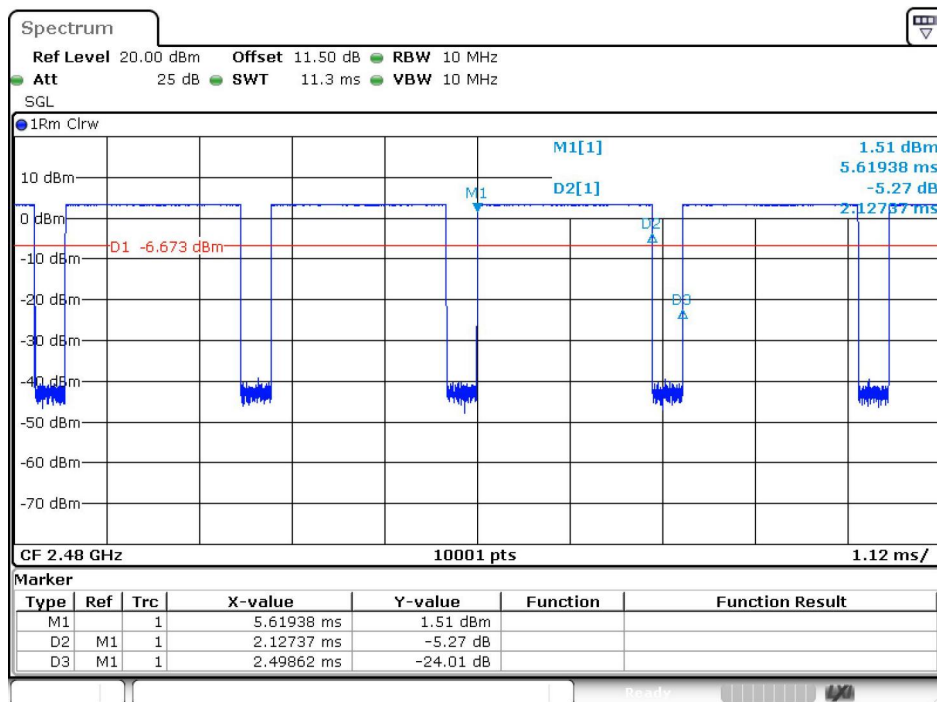
Test Graphs





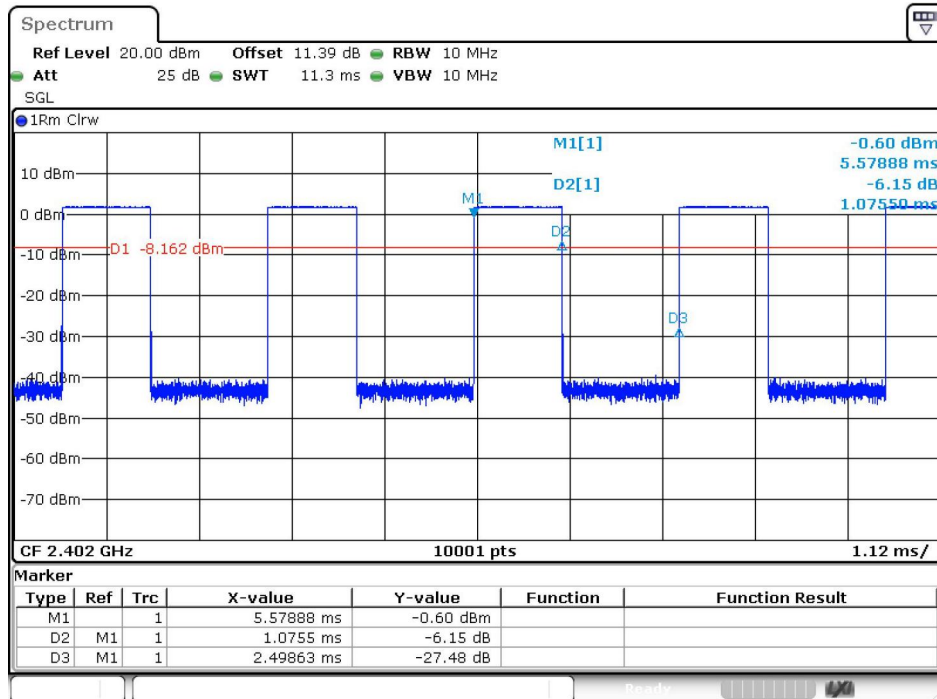
Date: 26.NOV.2024 09:21:20

BLE 1M_Channel 19



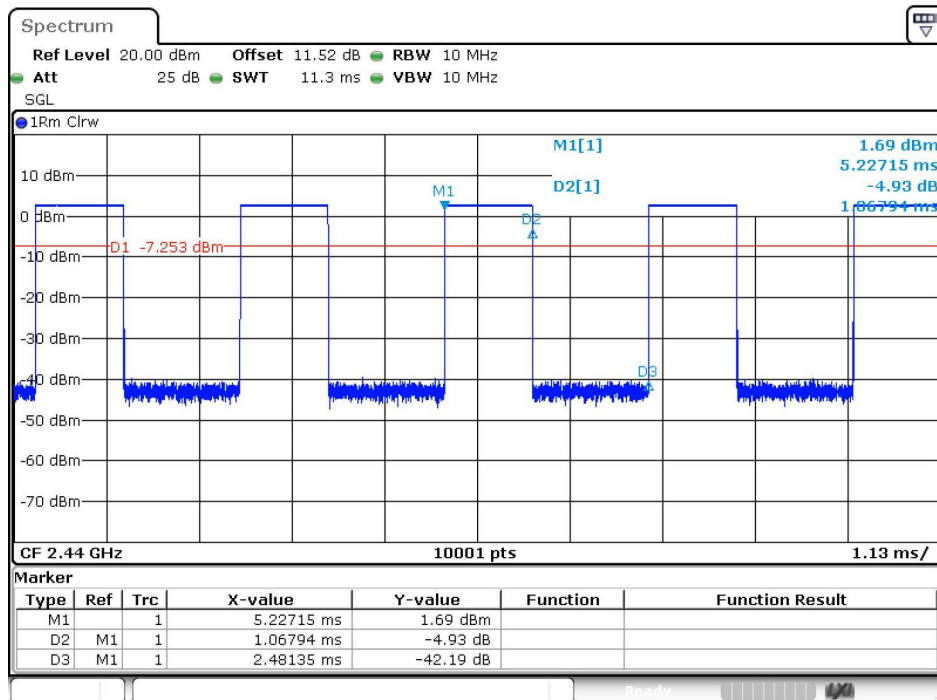
Date: 26.NOV.2024 09:23:39

BLE 1M_Channel 39



Date: 26.NOV.2024 09:26:17

BLE 2M_Channel 0



Date: 26.NOV.2024 09:28:58

BLE 2M_Channel 19

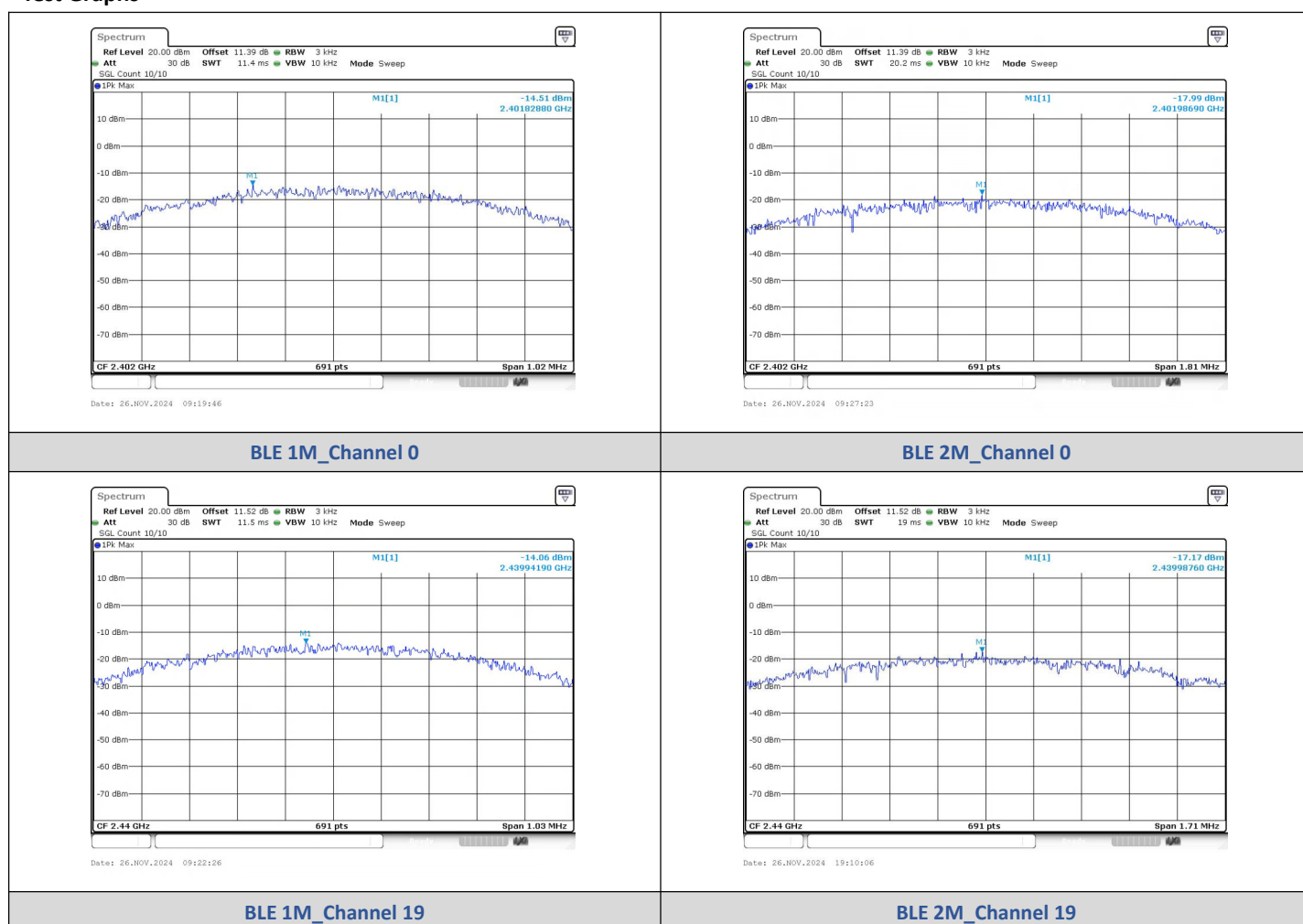


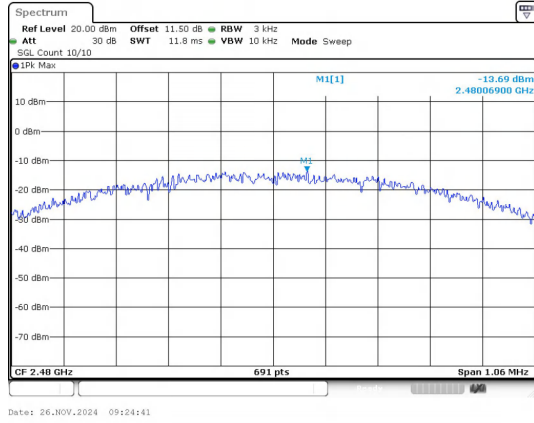
2) Power Spectral Density

Test Result

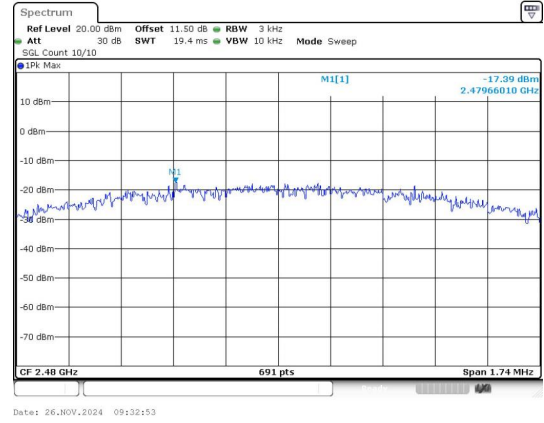
Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-14.510	≤8	PASS
BLE 1M	19	-14.060	≤8	PASS
BLE 1M	39	-13.690	≤8	PASS
BLE 2M	0	-17.990	≤8	PASS
BLE 2M	19	-17.170	≤8	PASS
BLE 2M	39	-17.390	≤8	PASS

Test Graphs





BLE 1M_Channel 39



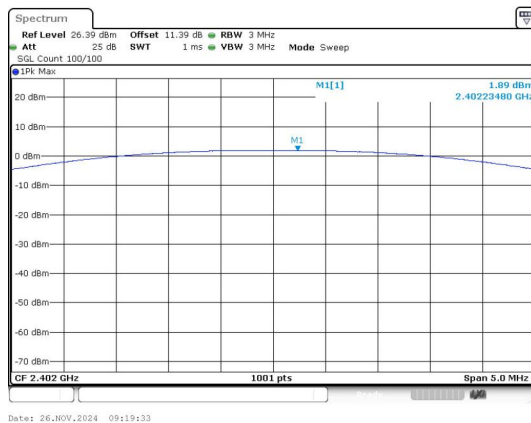
BLE 2M_Channel 39

3) Conducted Output Power

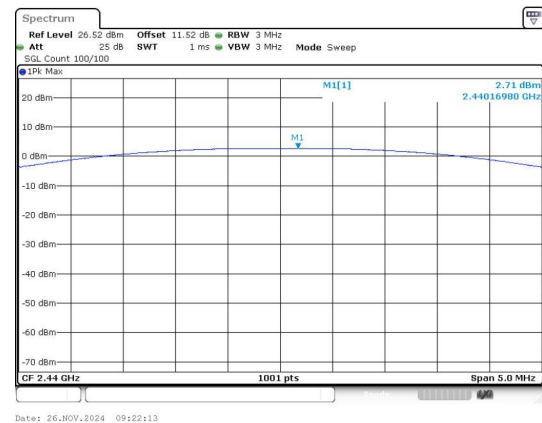
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	1.89	1.55	≤30	PASS
	19	2.71	1.87	≤30	PASS
	39	3.35	2.16	≤30	PASS
BLE 2M	0	1.87	1.54	≤30	PASS
	19	2.75	1.88	≤30	PASS
	39	3.39	2.18	≤30	PASS

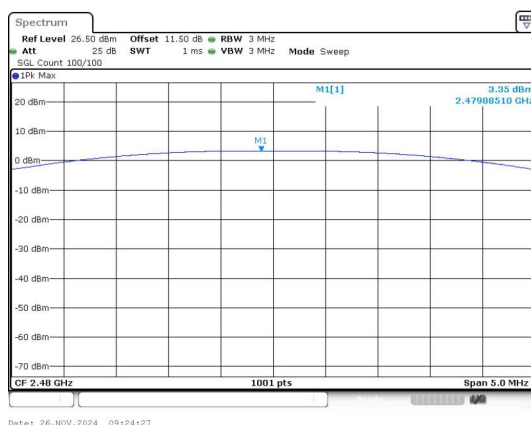
Test Graphs



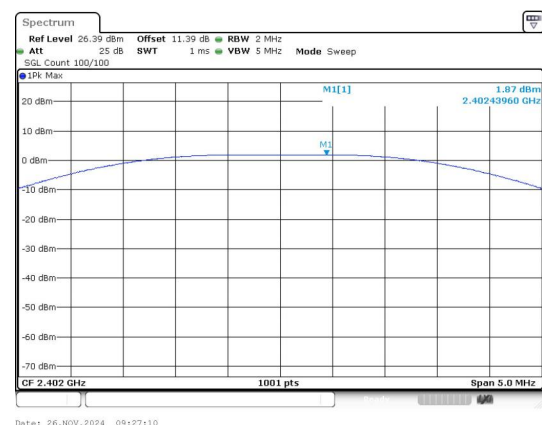
Peak Output Power
BLE 1M_Channel 0



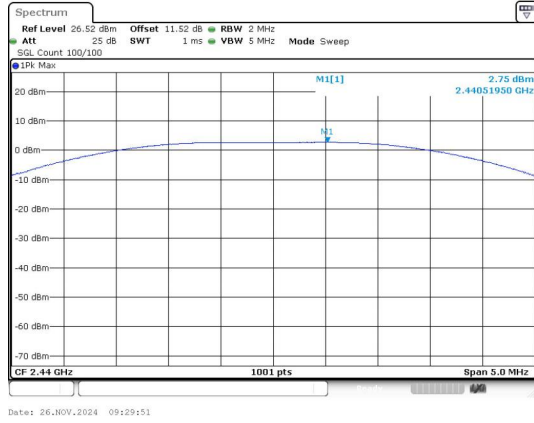
Peak Output Power
BLE 1M_Channel 19



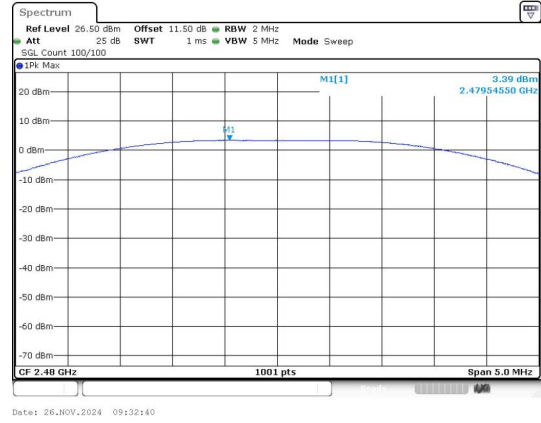
Peak Output Power
BLE 1M_Channel 39



Peak Output Power
BLE 2M_Channel 0



Peak Output Power
BLE 2M_Channel 19



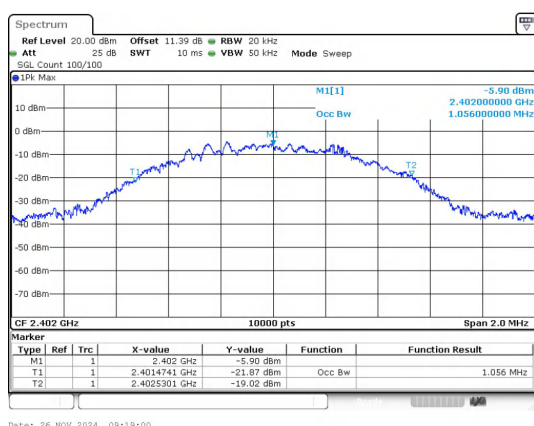
Peak Output Power
BLE 2M_Channel 39

4) 99% Bandwidth

Test Result

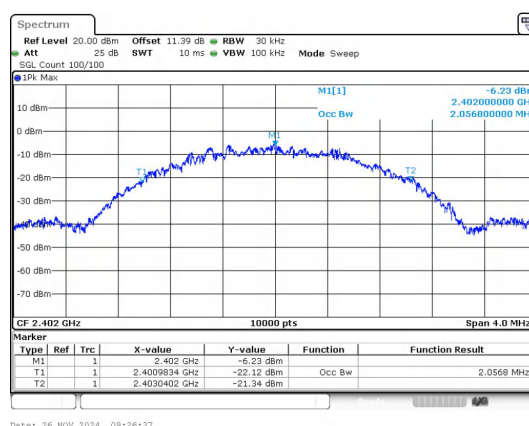
Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0560
BLE 1M	19	2440	1.0592
BLE 1M	39	2480	1.0726
BLE 2M	0	2402	2.0568
BLE 2M	19	2440	2.0660
BLE 2M	39	2480	2.0696

Test Graphs



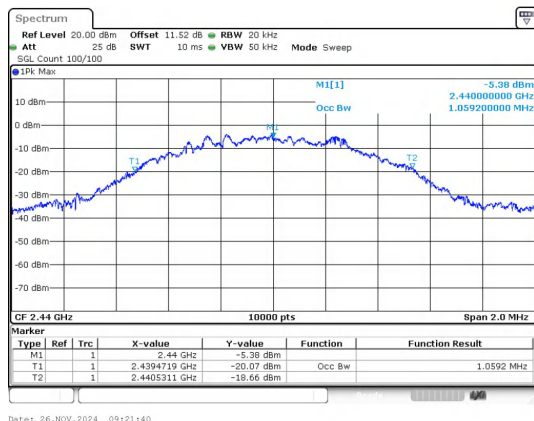
Date: 26.NOV.2024 09:19:00

BLE 1M_Channel 0



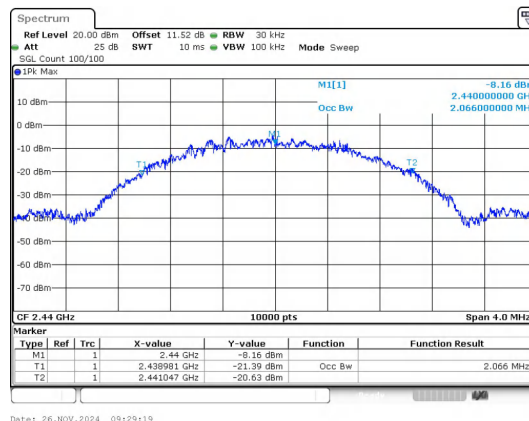
Date: 26.NOV.2024 09:26:37

BLE 2M_Channel 0



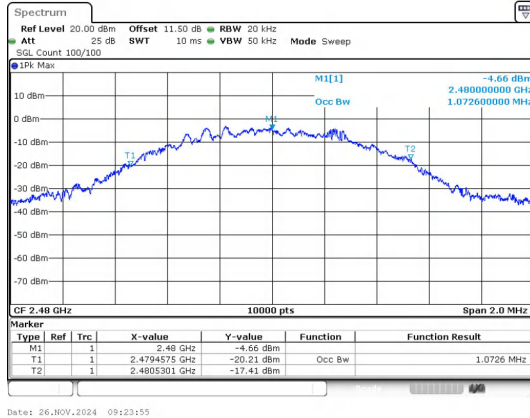
Date: 26.NOV.2024 09:21:40

BLE 1M_Channel 19

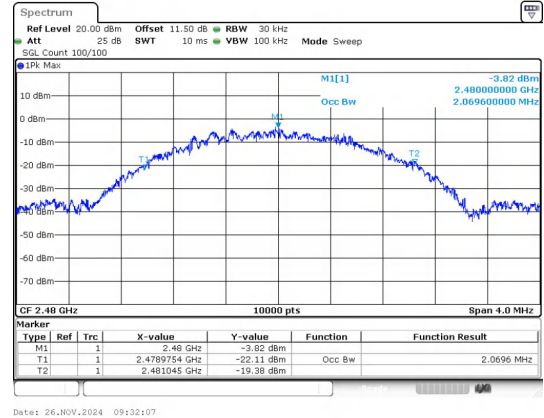


Date: 26.NOV.2024 09:29:19

BLE 2M_Channel 19



BLE 1M_Channel 39



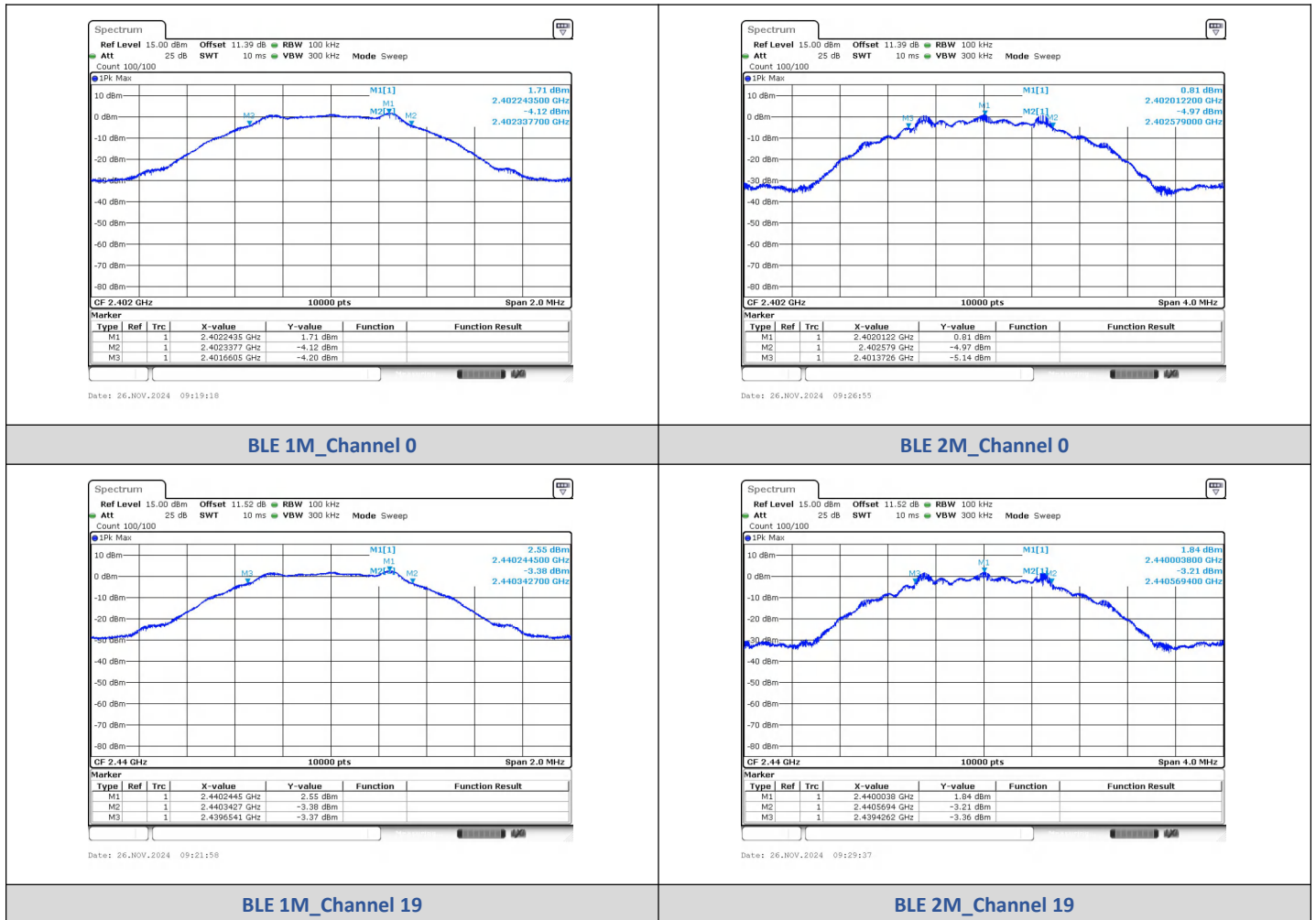
BLE 2M_Channel 39

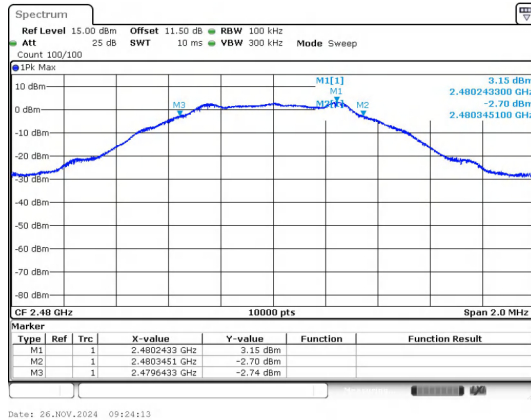
5) 6dB Bandwidth

Test Result

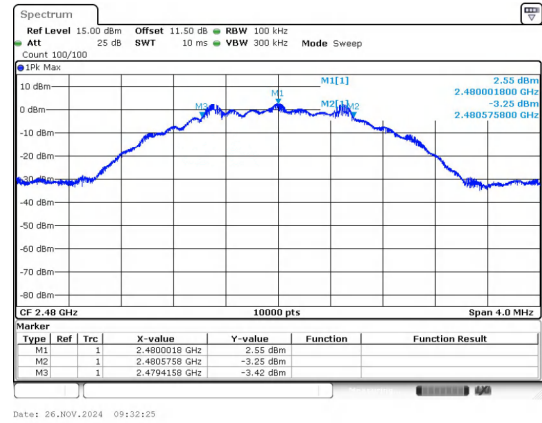
Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6800	≥0.5	PASS
	19	2440	0.6900		PASS
	39	2480	0.7100		PASS
BLE 2M	0	2402	1.210		PASS
	19	2440	1.140		PASS
	39	2480	1.160		PASS

Test Graphs





BLE 1M_Channel 39



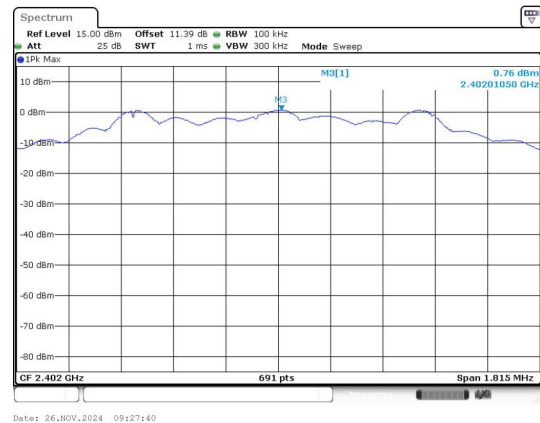
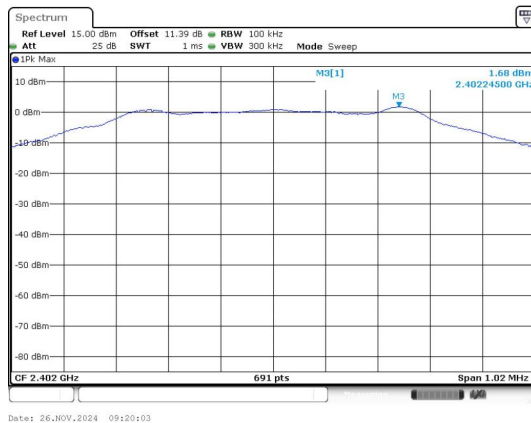
BLE 2M_Channel 39

6) Conducted Out Of Band Emission

Test Result

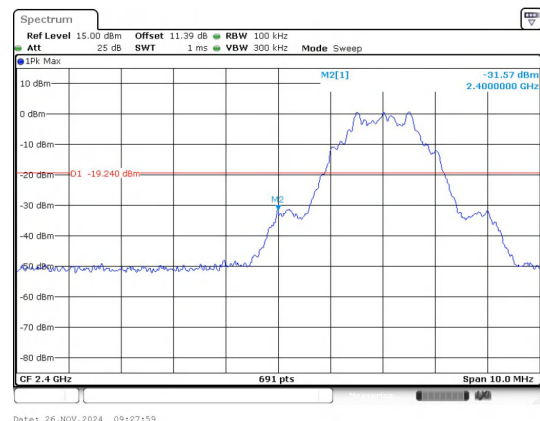
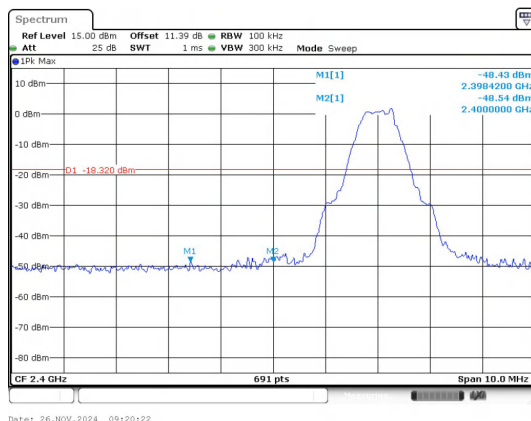
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2398.42	-48.428	-18.32	-30.108	PASS
		2400.00	-48.540	-18.32	-30.220	PASS
		2498.30	-46.540	-18.32	-28.220	PASS
	19	2535.74	-44.916	-17.46	-27.456	PASS
		2483.50	-48.110	-16.86	-31.250	PASS
		2575.69	-47.213	-16.86	-30.353	PASS
BLE 2M	0	2400.00	-31.570	-19.24	-12.330	PASS
		2497.45	-45.374	-19.24	-26.134	PASS
	19	2535.74	-42.554	-18.25	-24.304	PASS
		2483.50	-50.350	-17.49	-32.860	PASS
	39	9920.20	-50.911	-17.49	-33.421	PASS

Test Graphs



In-Band Reference Level
BLE 1M_Channel 0

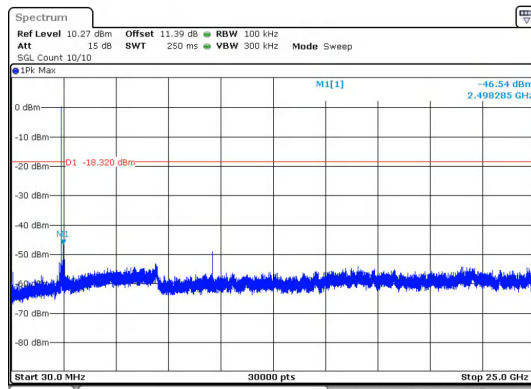
In-Band Reference Level
BLE 2M_Channel 0



Out Of Band Emission

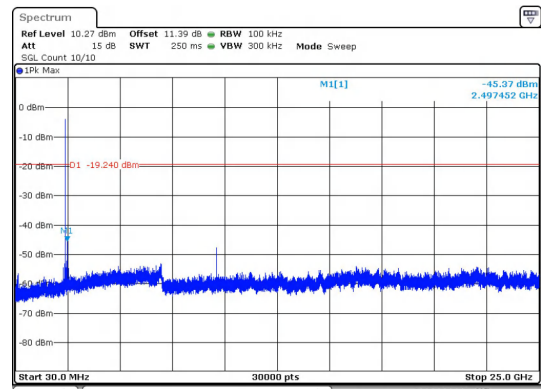
Out Of Band Emission

BLE 1M_Channel 0



Date: 26.NOV.2024 09:20:44

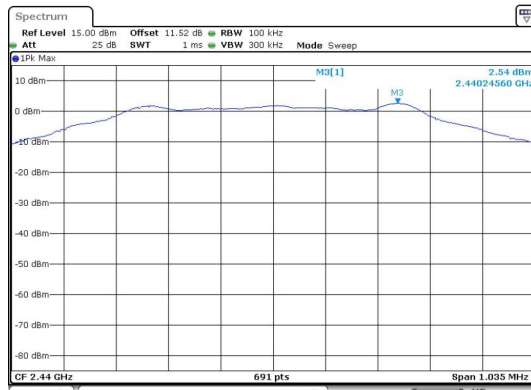
BLE 2M_Channel 0



Date: 26.NOV.2024 09:28:21

30.0 MHz - 25000.0 MHz

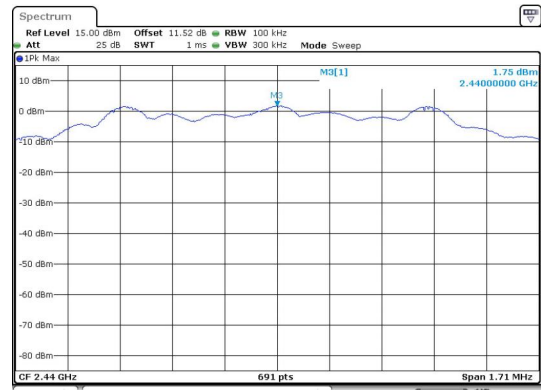
BLE 1M_Channel 0



Date: 26.NOV.2024 09:22:42

30.0 MHz - 25000.0 MHz

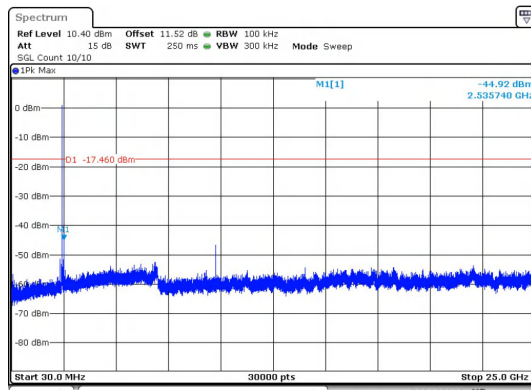
BLE 2M_Channel 0



Date: 26.NOV.2024 09:30:21

In-Band Reference Level

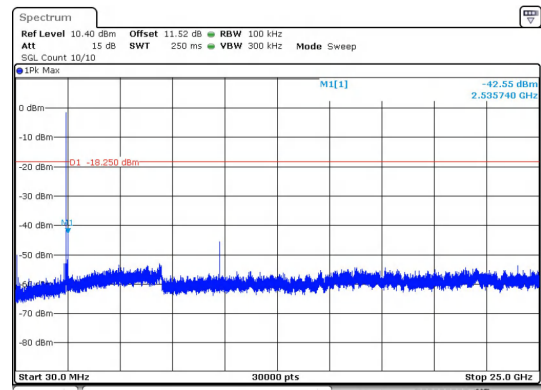
BLE 1M_Channel 19



Date: 26.NOV.2024 09:23:07

In-Band Reference Level

BLE 2M_Channel 19



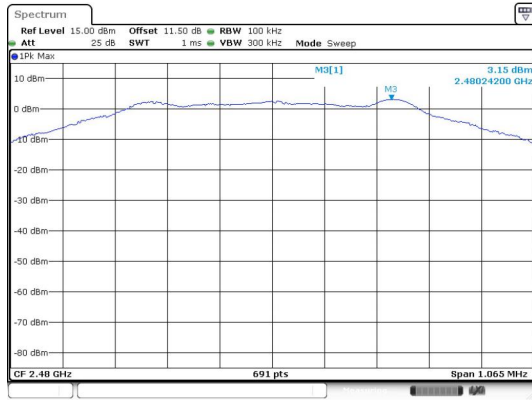
Date: 26.NOV.2024 09:30:45

30.0 MHz - 25000.0 MHz

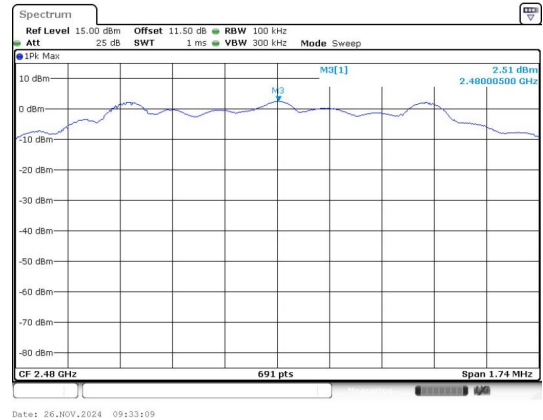
BLE 1M_Channel 19

30.0 MHz - 25000.0 MHz

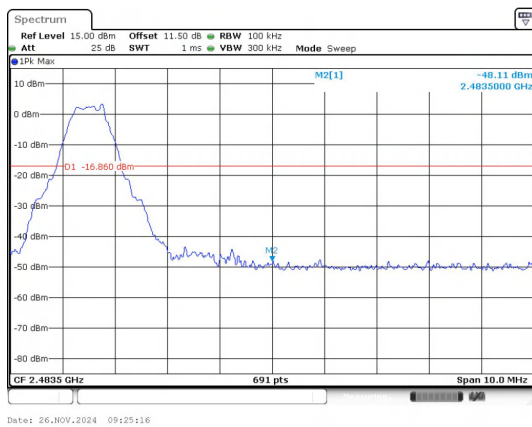
BLE 2M_Channel 19



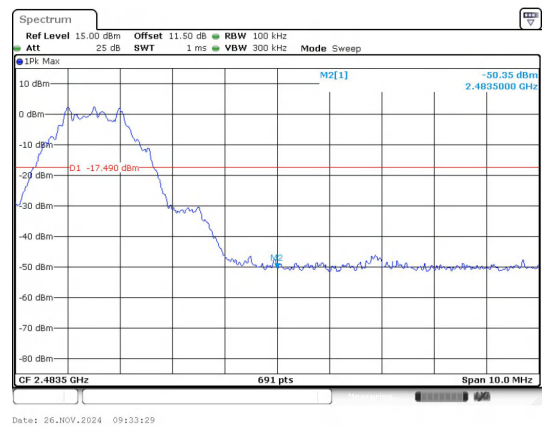
In-Band Reference Level
BLE 1M_Channel 39



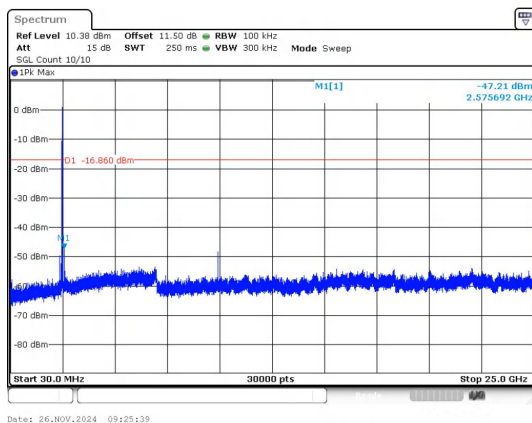
In-Band Reference Level
BLE 2M_Channel 39



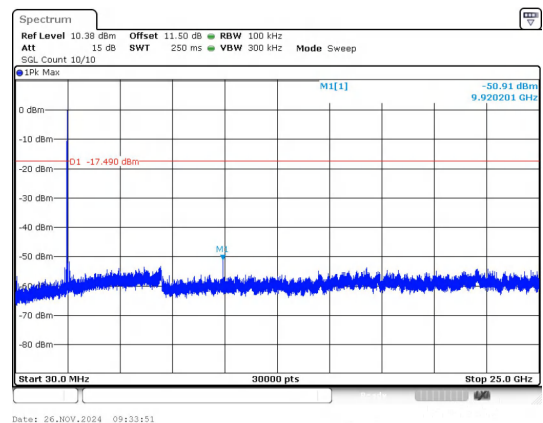
Out Of Band Emission
BLE 1M_Channel 39



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-----