

Appendix B

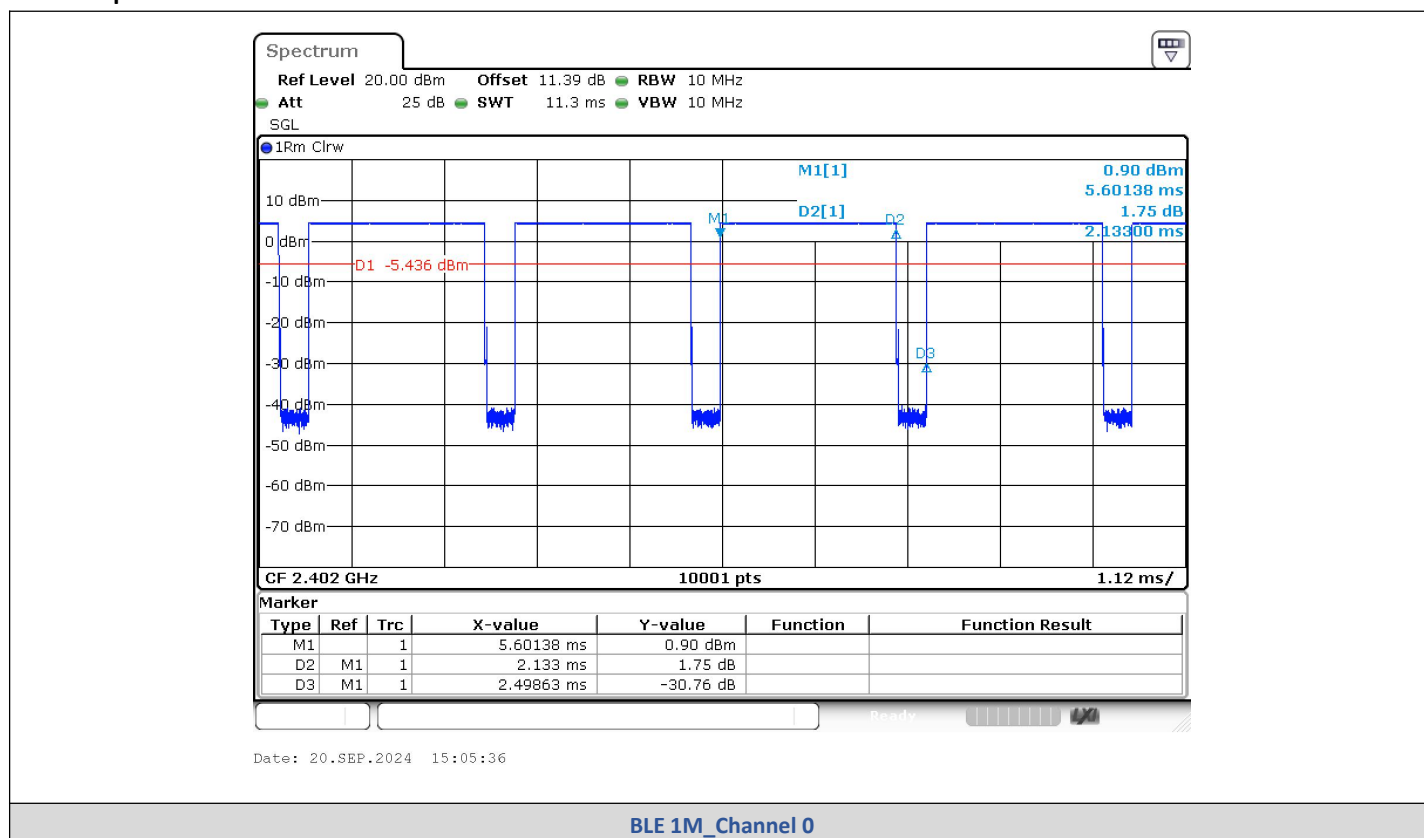
Report No.:	CISRR24091415002
FCC ID:	2AK4IMLT-FURY-K
Product Name:	Wireless Controller
Model No.:	MLT-FURY-K
Test Engineer:	Jimmy Huang
Supervised by:	Rory Huang

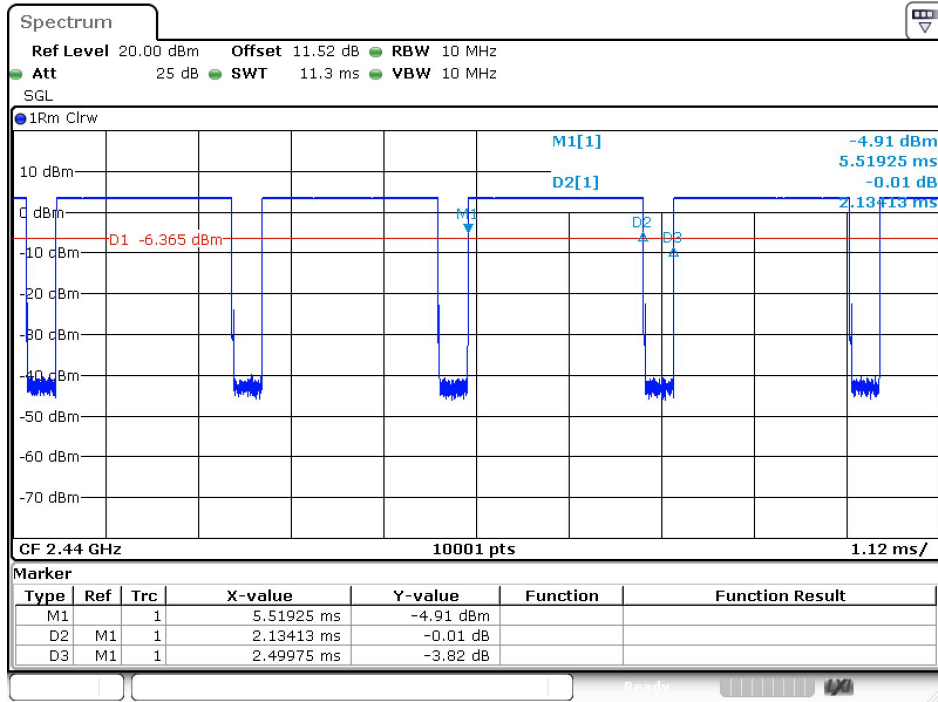
1) Duty Cycle

Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	2.133	2.499	85.37	0.8537	0.6869	0.47
	19	2.134	2.500	85.37	0.8537	0.6869	0.47
	39	2.133	2.499	85.37	0.8537	0.6869	0.47

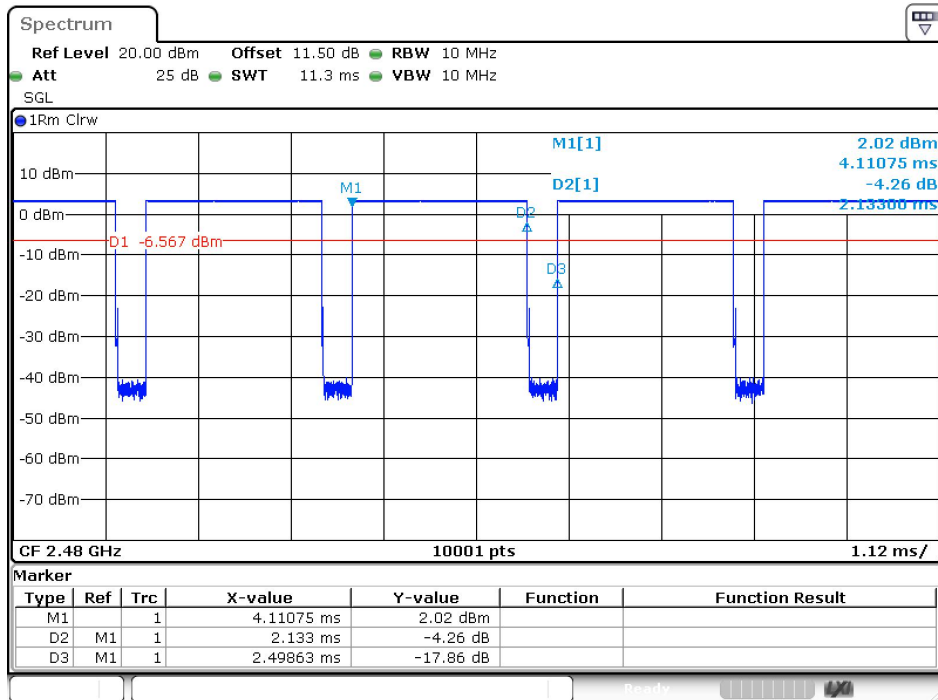
Test Graphs





Date: 20.SEP.2024 15:08:42

BLE 1M_Channel 19



Date: 20.SEP.2024 15:11:15

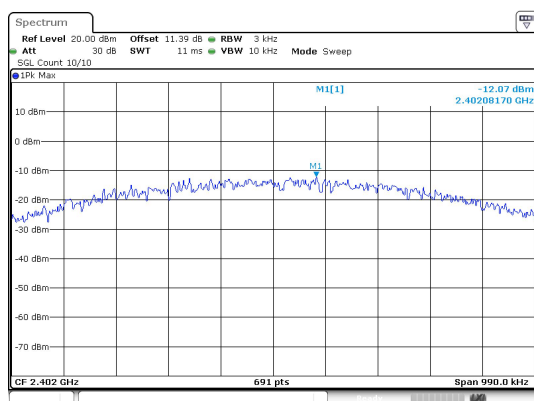
BLE 1M_Channel 39

2) Power Spectral Density

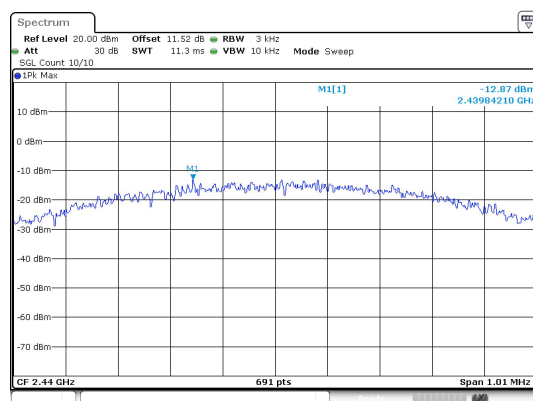
Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-12.069	≤8	PASS
BLE 1M	19	-12.871	≤8	PASS
BLE 1M	39	-13.637	≤8	PASS

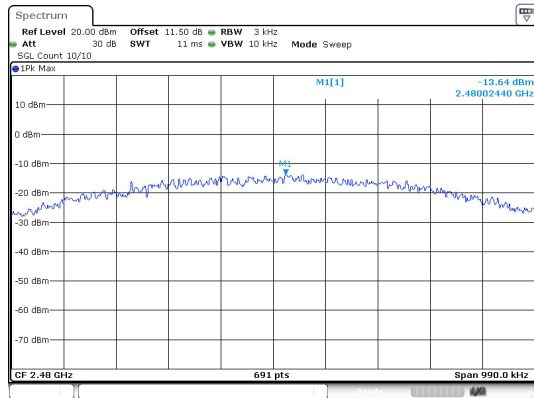
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



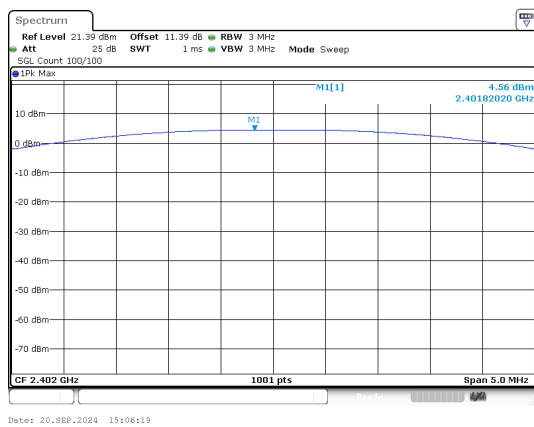
BLE 1M_Channel 39

3) Conducted Output Power

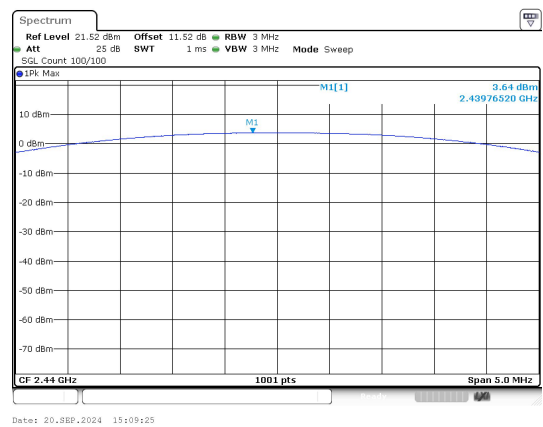
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	4.56	2.86	≤30	PASS
	19	3.65	2.31	≤30	PASS
	39	3.45	2.21	≤30	PASS

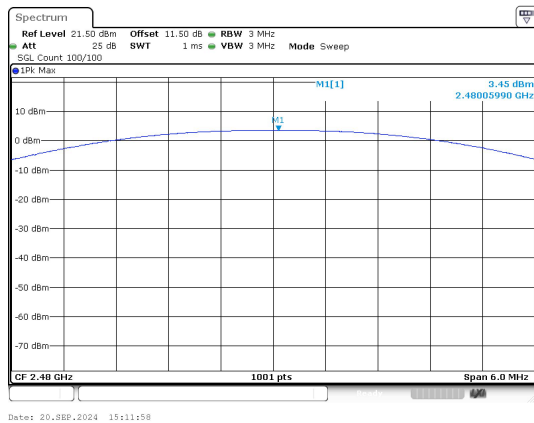
Test Graphs



Peak Output Power
BLE 1M_Channel 0



Peak Output Power
BLE 1M_Channel 19



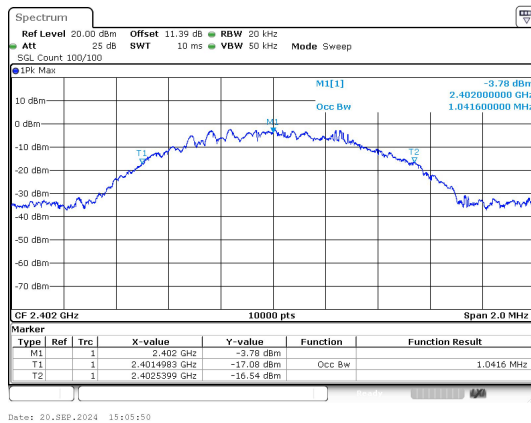
Peak Output Power
BLE 1M_Channel 39

4) 99% Bandwidth

Test Result

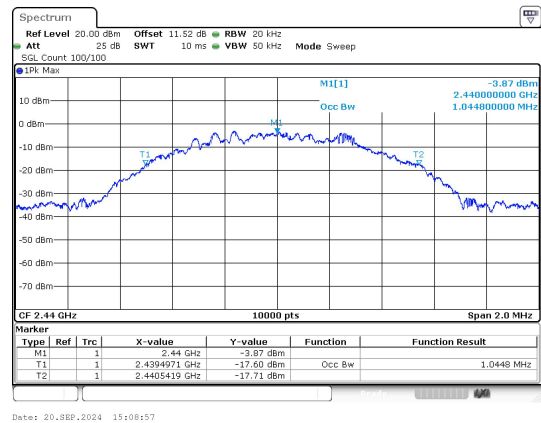
Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0416
BLE 1M	19	2440	1.0448
BLE 1M	39	2480	1.0412

Test Graphs



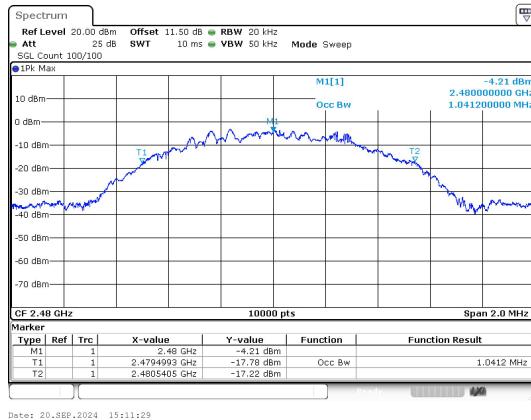
Date: 20.SEP.2024 15:05:50

BLE 1M_Channel 0



Date: 20.SEP.2024 15:08:57

BLE 1M_Channel 19



Date: 20.SEP.2024 15:11:29

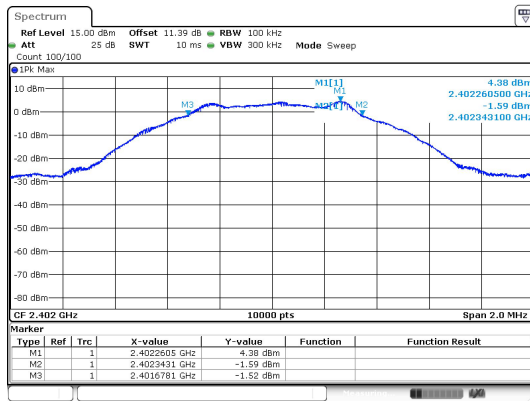
BLE 1M_Channel 39

5) 6dB Bandwidth

Test Result

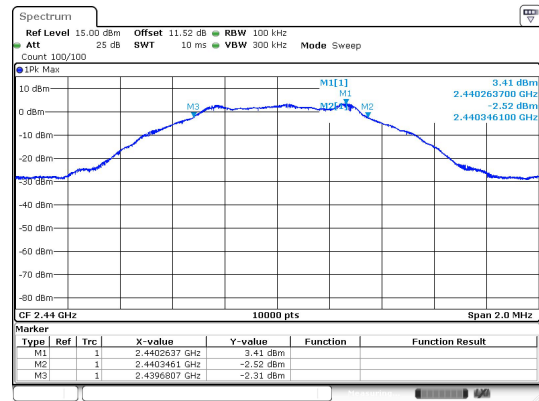
Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6600	≥0.5	PASS
	19	2440	0.6700		PASS
	39	2480	0.6600		PASS

Test Graphs



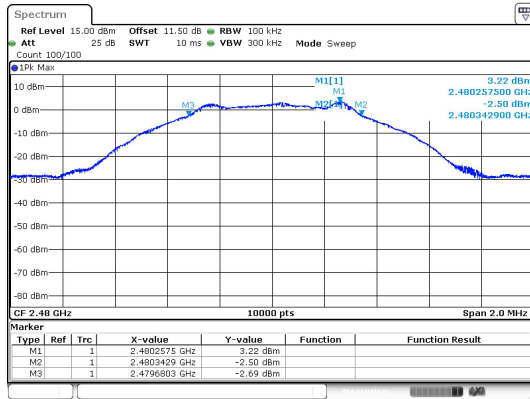
Date: 20.SEP.2024 15:06:06

BLE 1M_Channel 0



Date: 20.SEP.2024 15:09:13

BLE 1M_Channel 19



Date: 20.SEP.2024 15:11:45

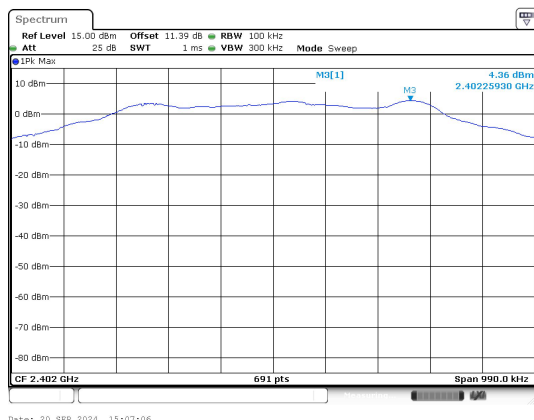
BLE 1M_Channel 39

6) Conducted Out Of Band Emission

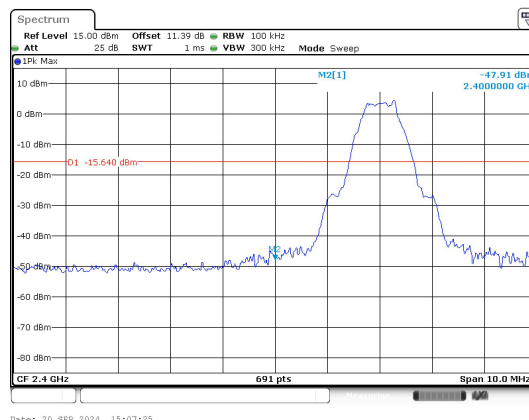
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2400.00	-47.909	-15.64	-32.269	PASS
		7206.79	-39.995	-15.64	-24.355	PASS
	19	7319.99	-44.680	-16.58	-28.100	PASS
	39	2288.54	-44.487	-16.8	-27.687	PASS
		2483.50	-48.691	-16.8	-31.891	PASS

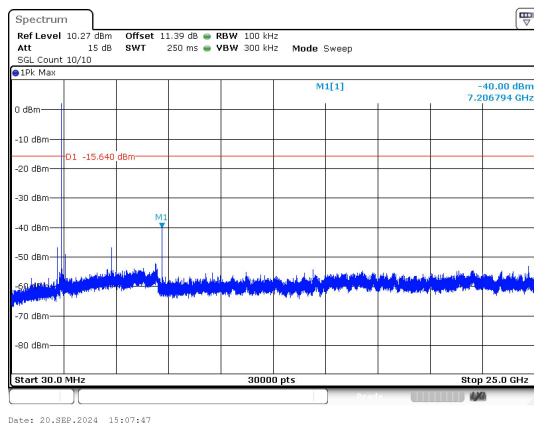
Test Graphs



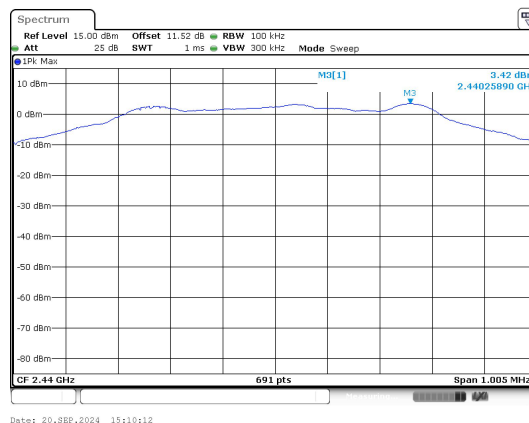
In-Band Reference Level
BLE 1M_Channel 0



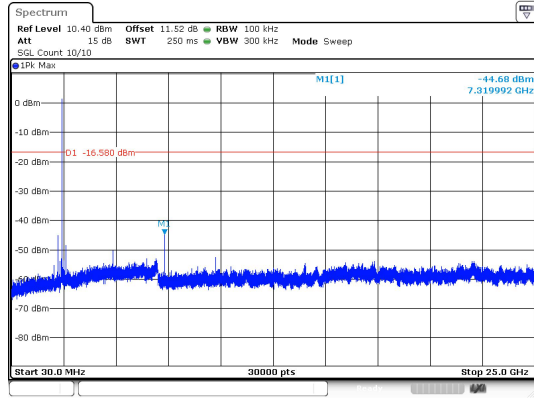
Out Of Band Emission
BLE 1M_Channel 0



30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0

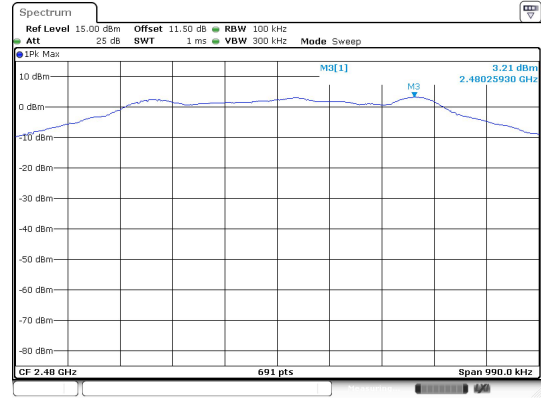


In-Band Reference Level
BLE 1M_Channel 19



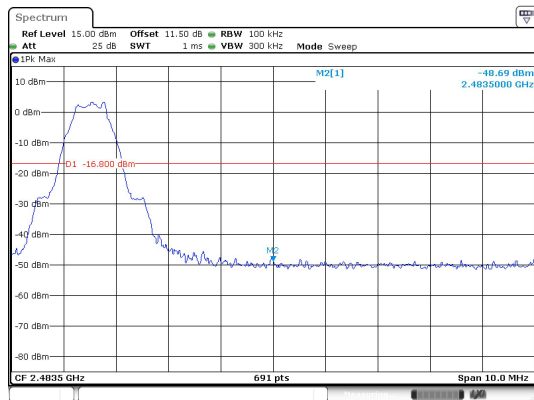
Date: 20.8EP,2024 15:10:36

30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



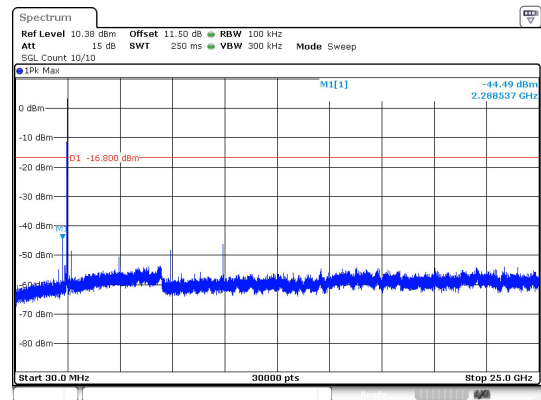
Date: 20.8EP,2024 15:12:45

In-Band Reference Level
BLE 1M_Channel 39



Date: 20.8EP,2024 15:13:04

Out Of Band Emission
BLE 1M_Channel 39



Date: 20.8EP,2024 15:13:26

30.0 MHz - 25000.0 MHz
BLE 1M_Channel 39