

Appendix B

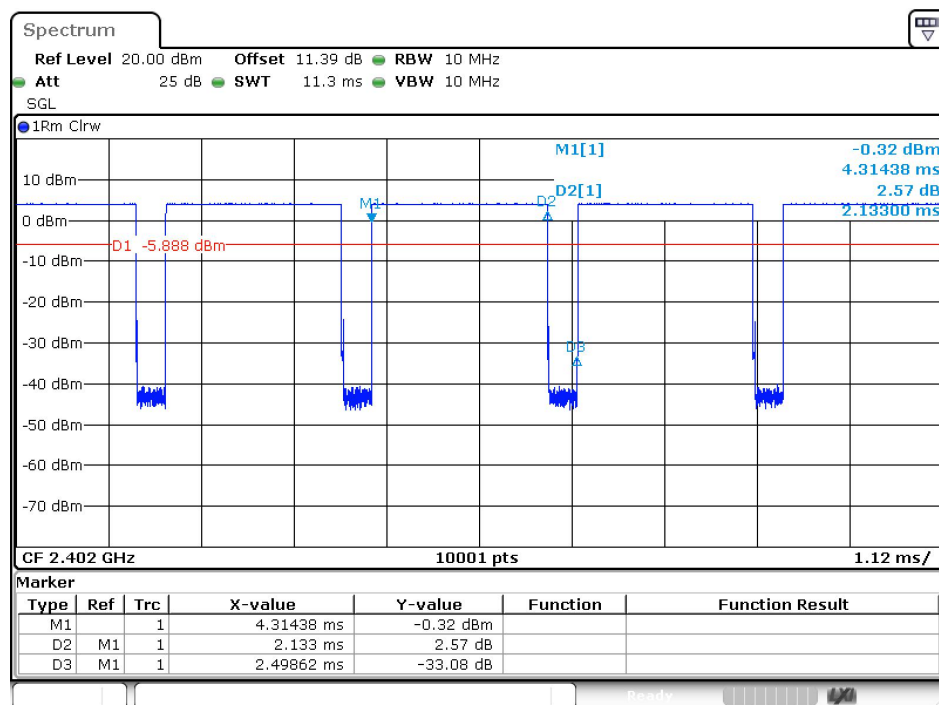
Report No.:	CISRR24082214902
FCC ID:	2A3VP-Q42
Product Name:	Wireless Gaming Controller
Model No.:	Q42
Test Engineer:	Jimmy Huang
Supervised by:	Rory Huang

1) Duty Cycle

Test Result

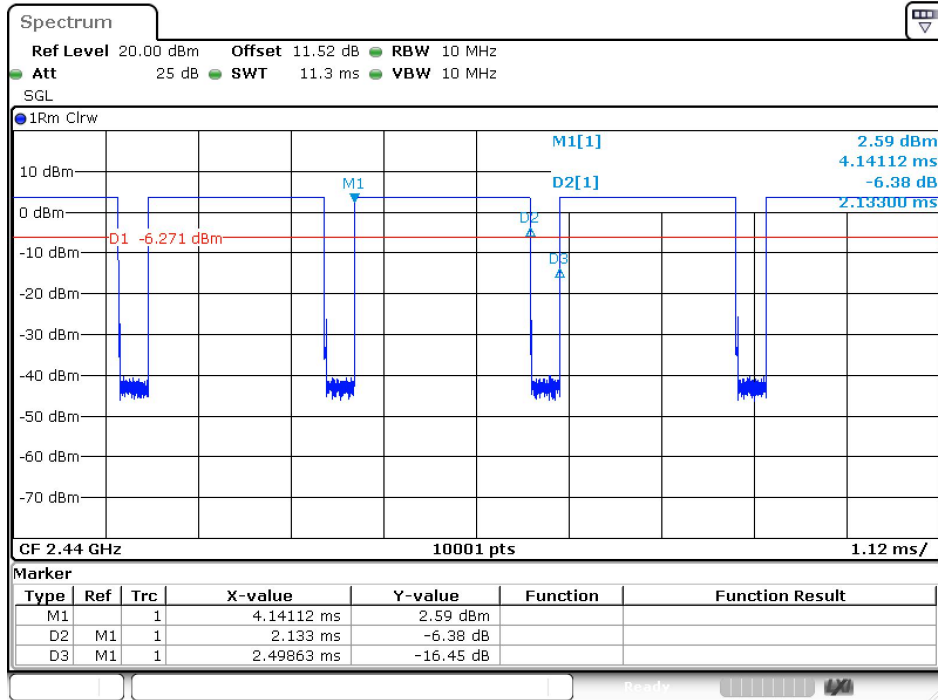
Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	2.133	2.499	85.37	0.8537	0.6869	0.47
	19	2.133	2.499	85.37	0.8537	0.6869	0.47
	39	2.133	2.499	85.37	0.8537	0.6869	0.47

Test Graphs



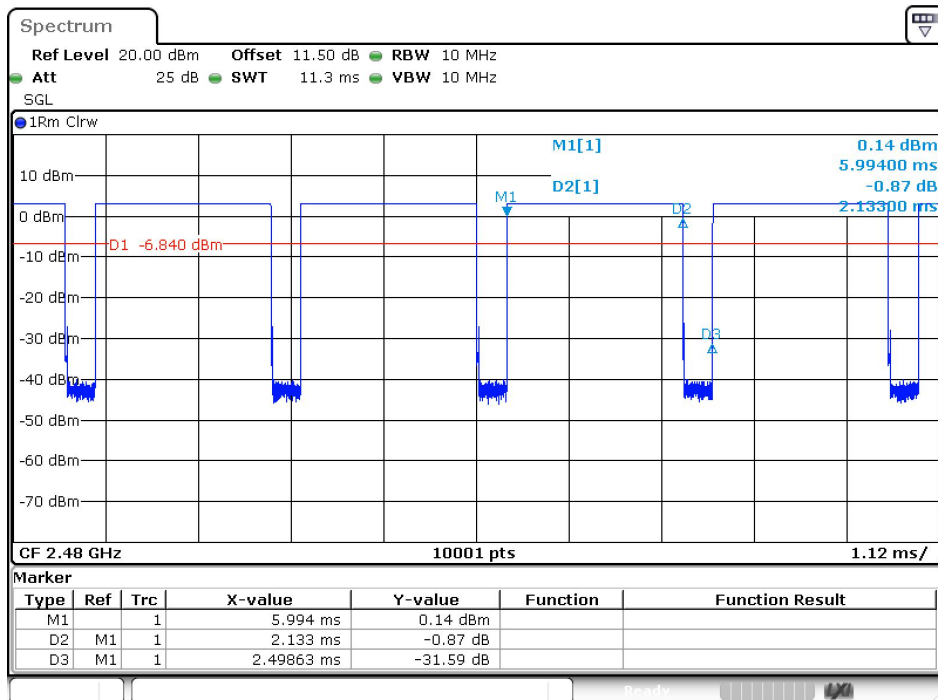
Date: 3.SEP.2024 15:24:32

BLE 1M_Channel 0



Date: 3.SEP.2024 15:30:14

BLE 1M_Channel 19



Date: 3.SEP.2024 15:32:41

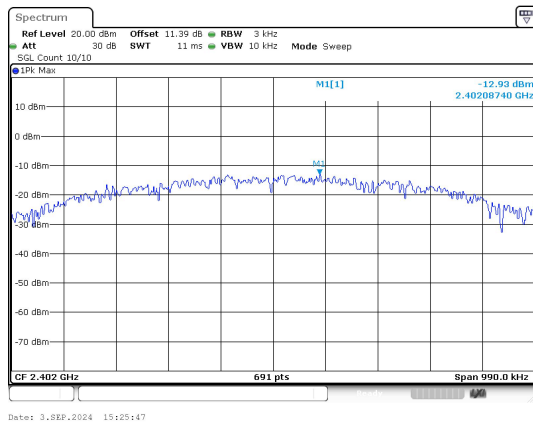
BLE 1M_Channel 39

2) Power Spectral Density

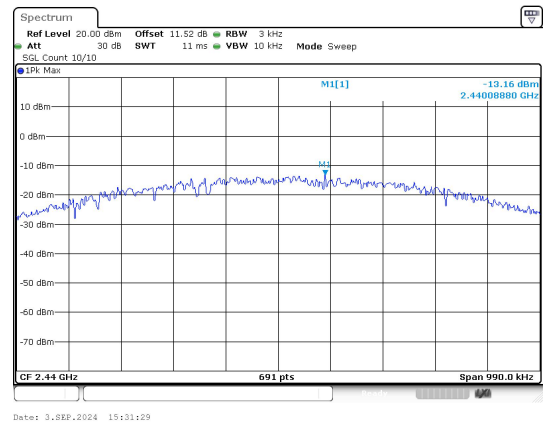
Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-12.925	≤8	PASS
BLE 1M	19	-13.165	≤8	PASS
BLE 1M	39	-13.438	≤8	PASS

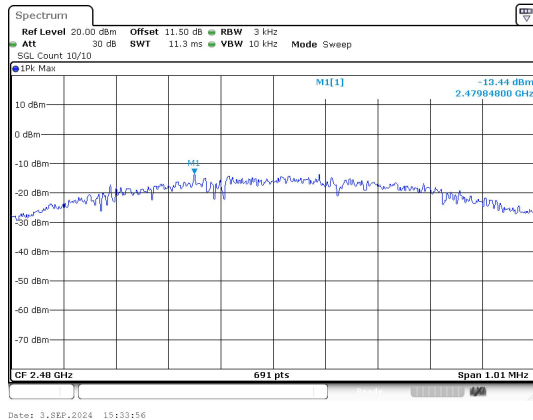
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



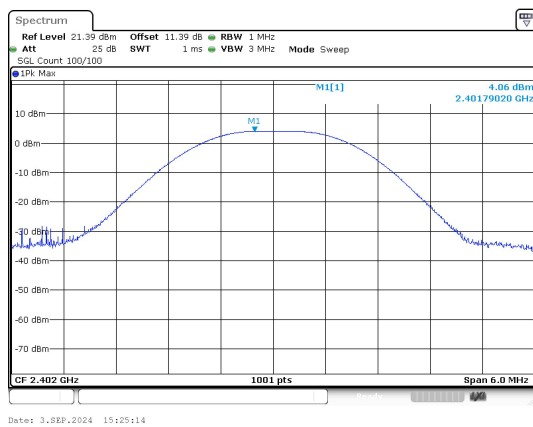
BLE 1M_Channel 39

3) Conducted Peak Output Power

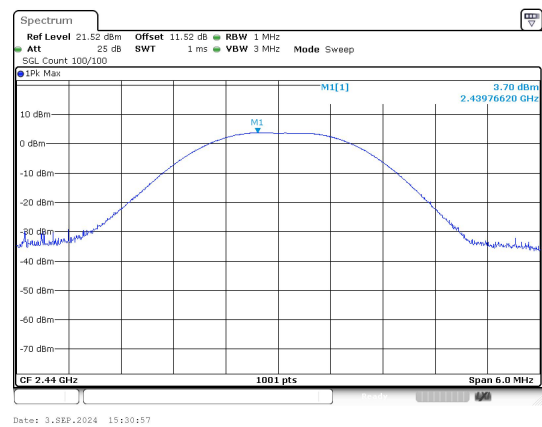
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	4.06	2.55	≤30	PASS
	19	3.70	2.35	≤30	PASS
	39	3.14	2.06	≤30	PASS

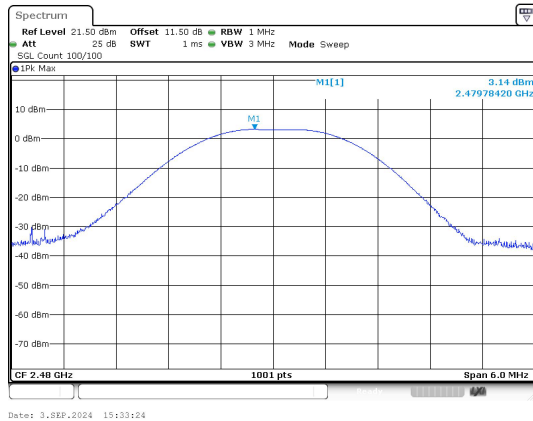
Test Graphs



Peak Output Power
BLE 1M_Channel 0



Peak Output Power
BLE 1M_Channel 19



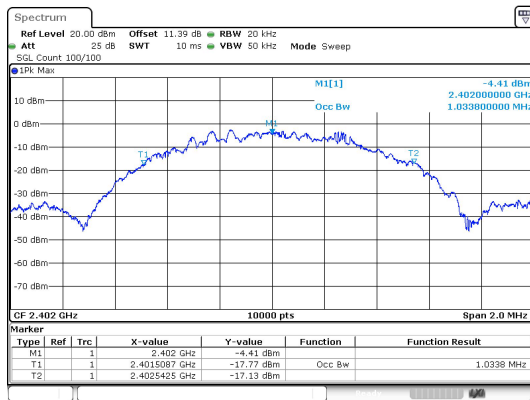
Peak Output Power
BLE 1M_Channel 39

4) 99% Bandwidth

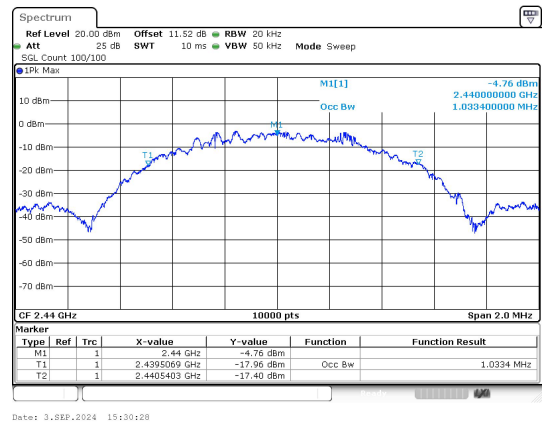
Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0338
BLE 1M	19	2440	1.0334
BLE 1M	39	2480	1.0308

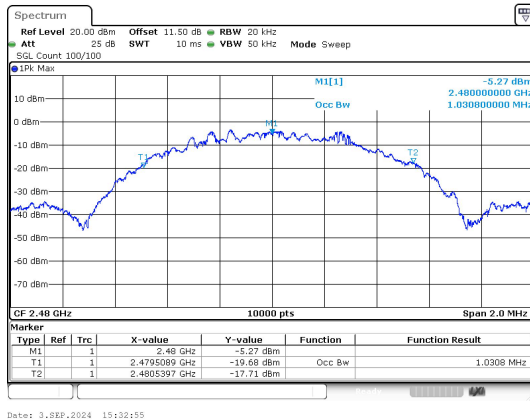
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



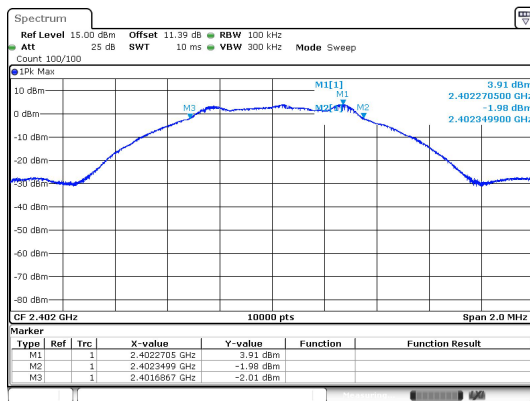
BLE 1M_Channel 39

5) 6dB Bandwidth

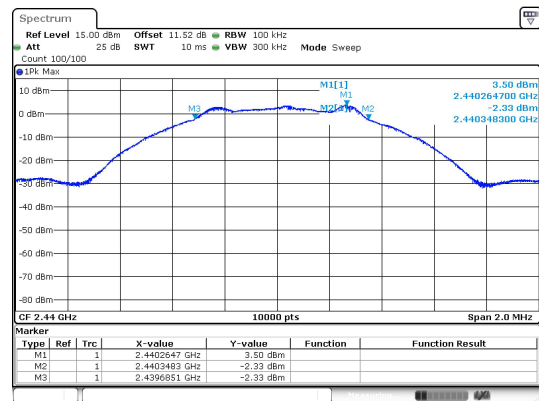
Test Result

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

Test Graphs



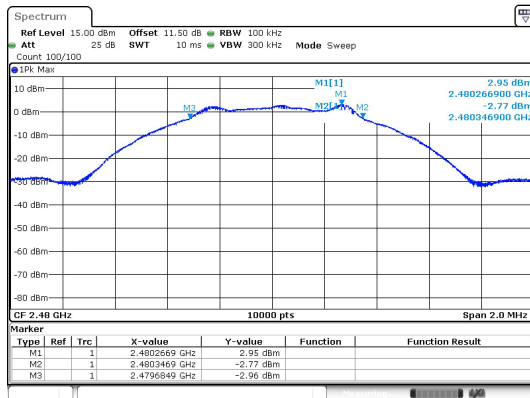
Date: 3.SEP.2024 15:25:02



Date: 3.SEP.2024 15:30:44

BLE 1M_Channel 0

BLE 1M_Channel 19



Date: 3.SEP.2024 15:33:11

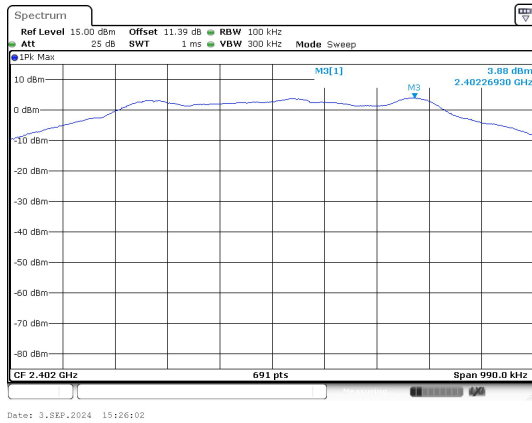
BLE 1M_Channel 39

6) Conducted Out Of Band Emission

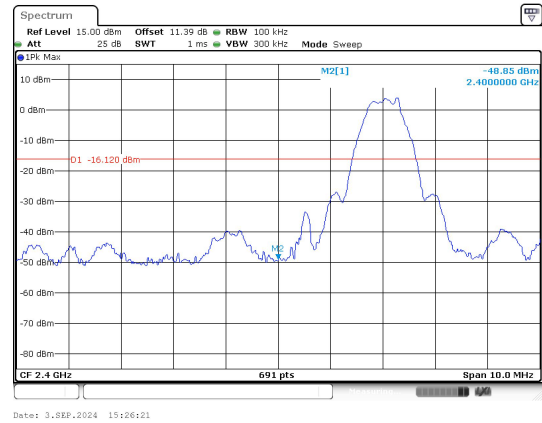
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2399.00	-39.907	-16.12	-23.787	PASS
		2400.00	-48.855	-16.12	-32.735	PASS
		7206.80	-39.210	-16.12	-23.090	PASS
	19	9753.73	-39.418	-16.51	-22.908	PASS
	39	2483.50	-46.550	-17.06	-29.490	PASS
		9914.37	-37.832	-17.06	-20.772	PASS

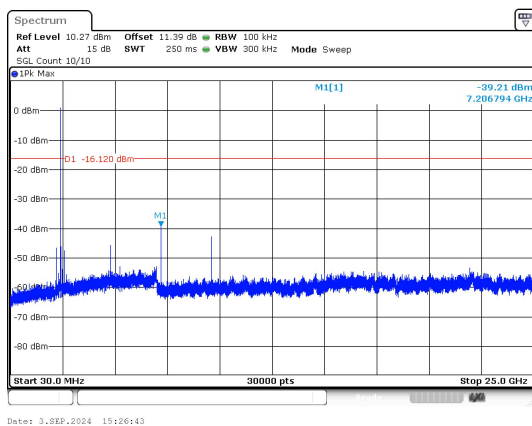
Test Graphs



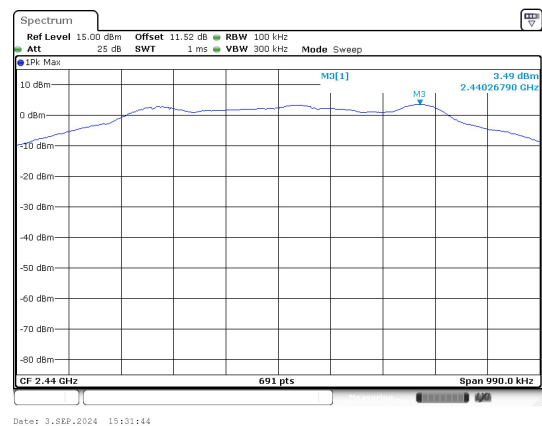
**In-Band Reference Level
BLE 1M_Channel 0**



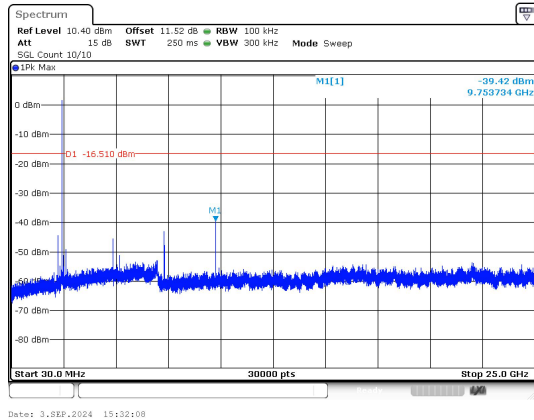
**Out Of Band Emission
BLE 1M_Channel 0**



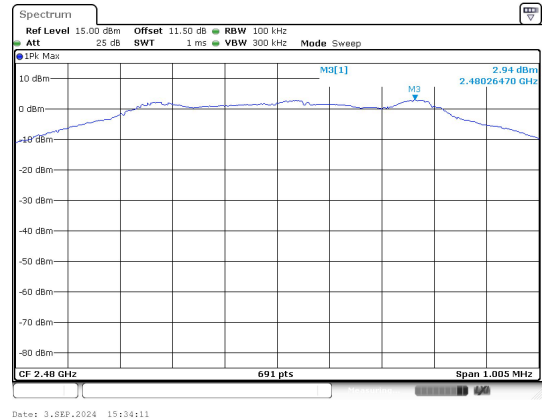
**30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0**



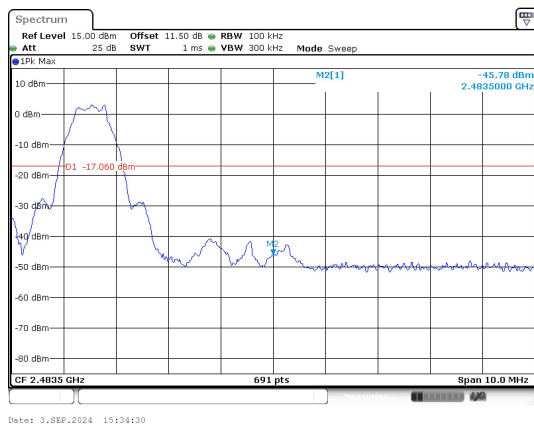
**In-Band Reference Level
BLE 1M_Channel 19**



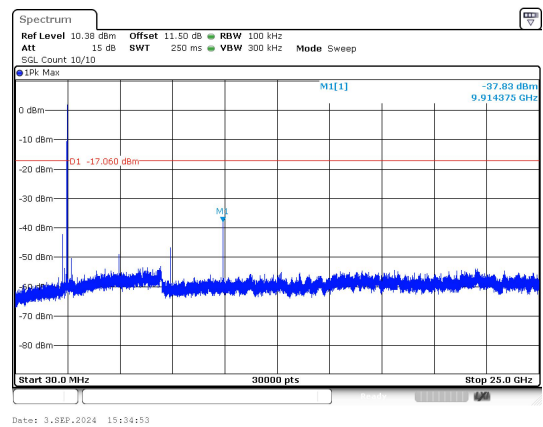
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



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