

Appendix B

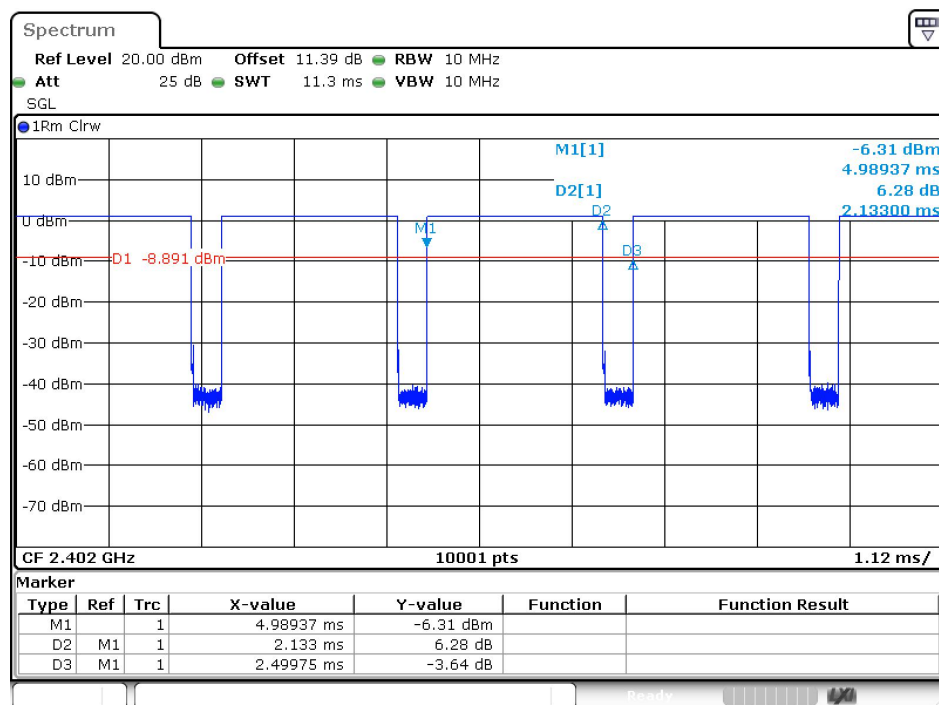
Report No.:	CISRR24082215102
FCC ID:	2A3VP-Q13
Product Name:	Mobile Game Controller
Model No.:	Q13
Test Engineer:	Jimmy Huang
Supervised by:	Rory Huang

1) Duty Cycle

Test Result

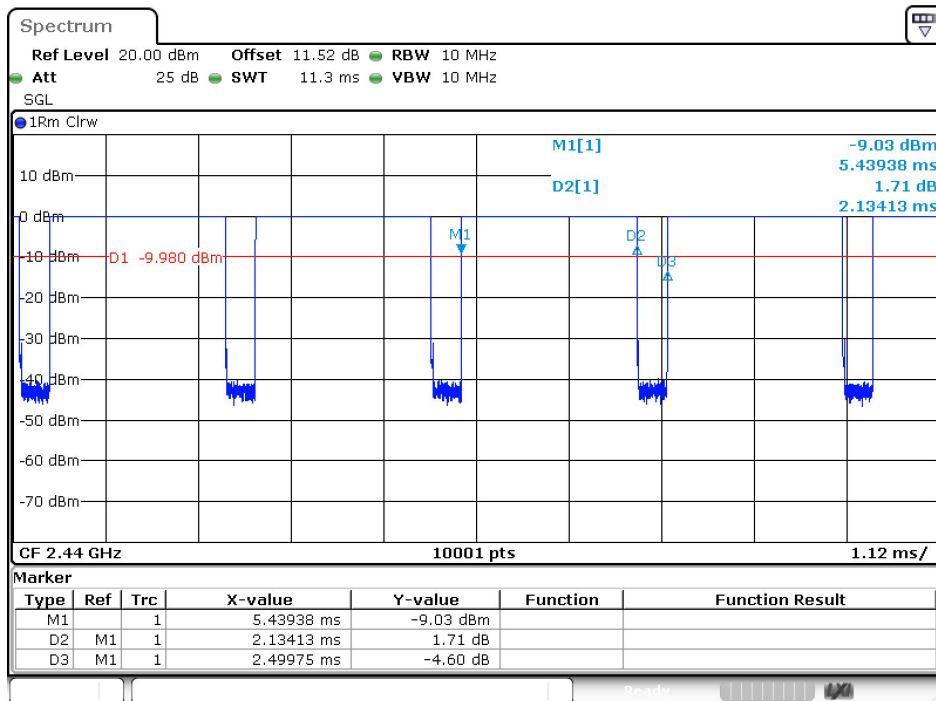
Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	2.133	2.500	85.33	0.8533	0.689	0.47
	19	2.134	2.500	85.37	0.8537	0.6869	0.47
	39	2.133	2.500	85.33	0.8533	0.689	0.47

Test Graphs



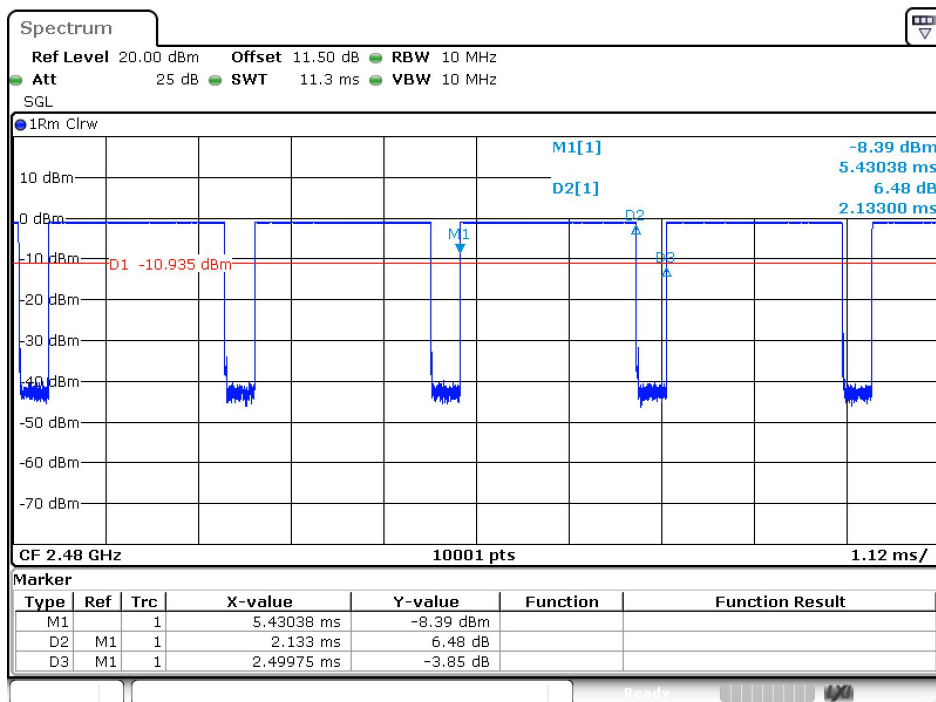
Date: 3.SEP.2024 18:35:50

BLE 1M_Channel 0



Date: 3.SEP.2024 18:38:41

BLE 1M_Channel 19



Date: 3.SEP.2024 18:41:26

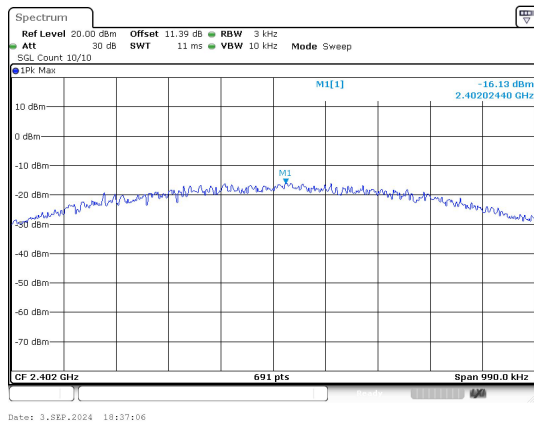
BLE 1M_Channel 39

2) Power Spectral Density

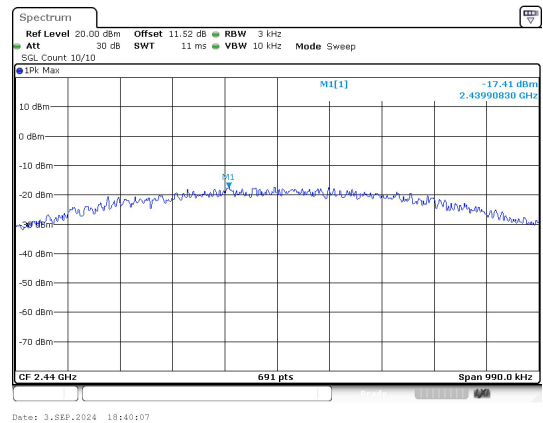
Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-16.129	≤8	PASS
BLE 1M	19	-17.412	≤8	PASS
BLE 1M	39	-17.679	≤8	PASS

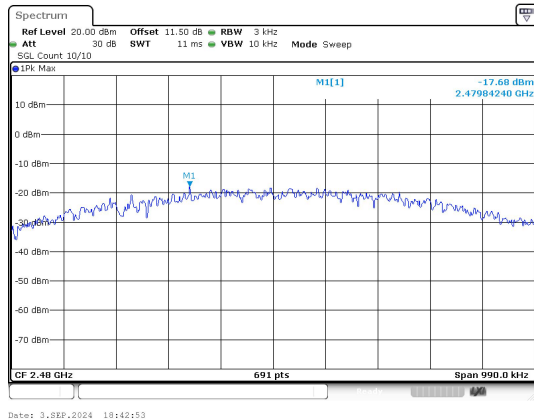
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



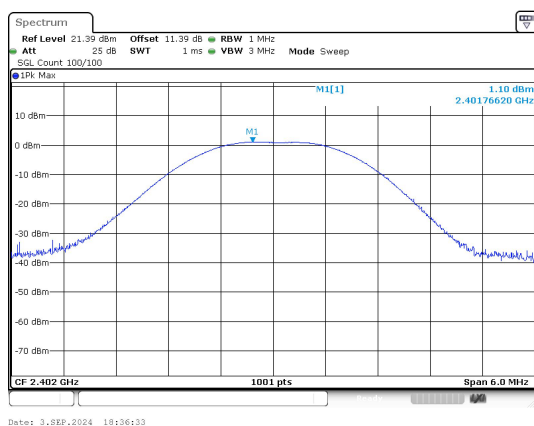
BLE 1M_Channel 39

3) Conducted Peak Output Power

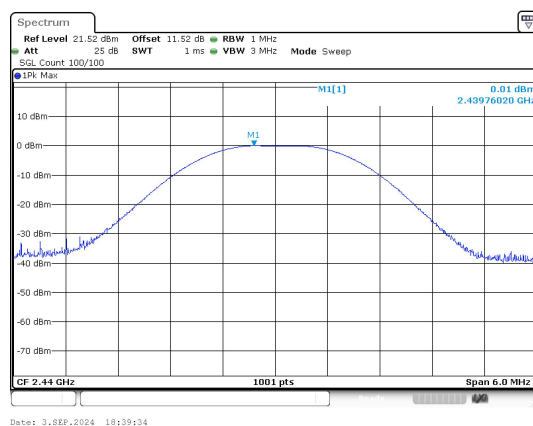
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	1.10	1.29	≤30	PASS
	19	0.01	1.0	≤30	PASS
	39	-0.95	0.8	≤30	PASS

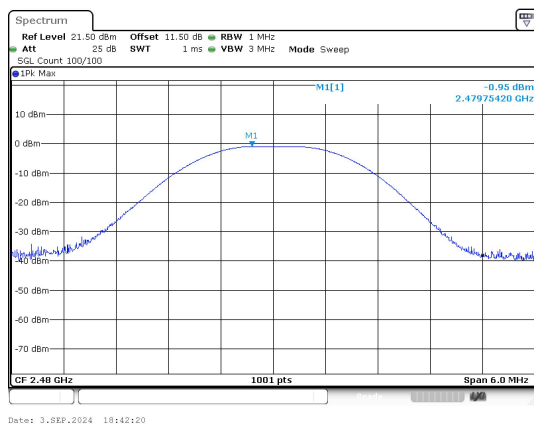
Test Graphs



Peak Output Power
BLE 1M_Channel 0



Peak Output Power
BLE 1M_Channel 19



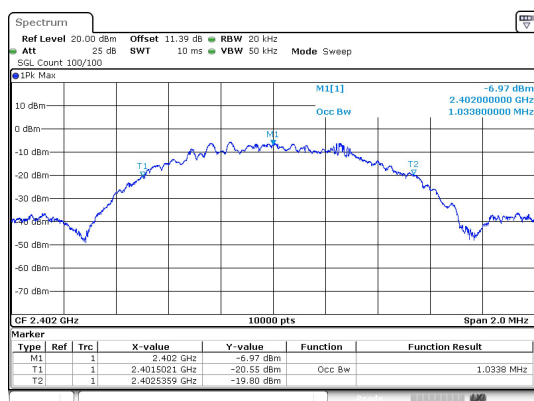
Peak Output Power
BLE 1M_Channel 39

4) 99% Bandwidth

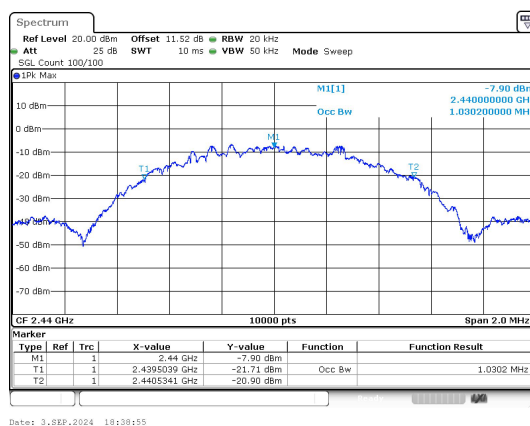
Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0338
BLE 1M	19	2440	1.0302
BLE 1M	39	2480	1.0308

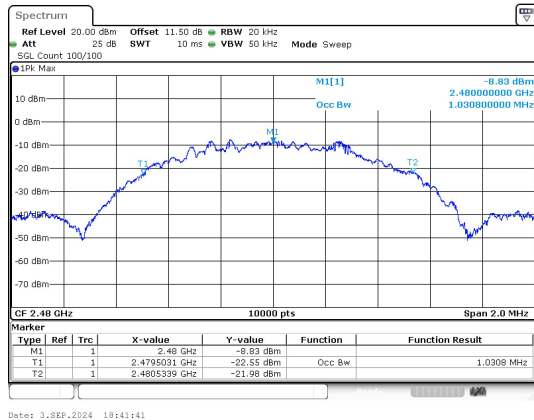
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



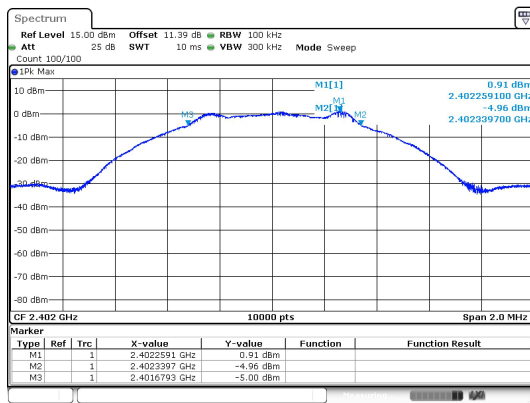
BLE 1M_Channel 39

5) 6dB Bandwidth

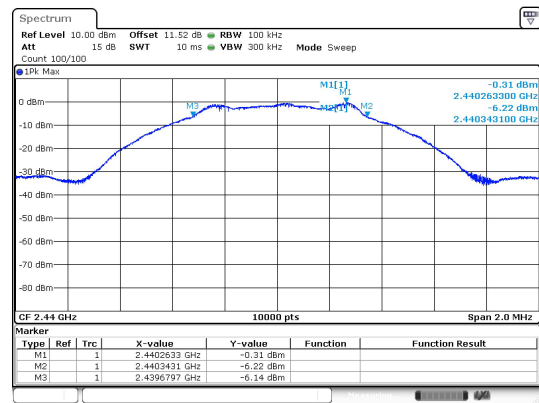
Test Result

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	0.6600		PASS

Test Graphs



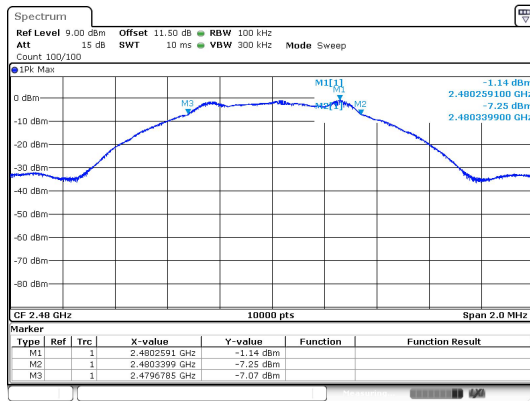
Date: 3.SEP.2024 18:36:20



Date: 3.SEP.2024 18:39:18

BLE 1M_Channel 0

BLE 1M_Channel 19



Date: 3.SEP.2024 18:42:03

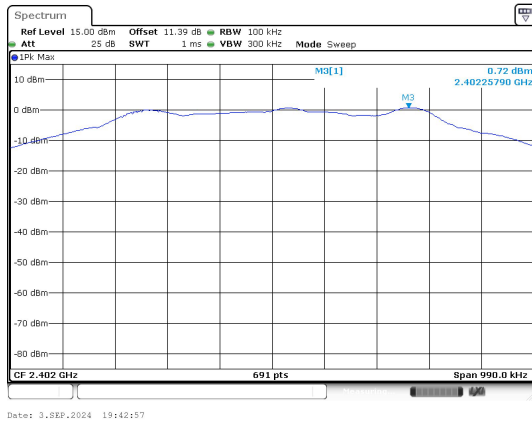
BLE 1M_Channel 39

6) Conducted Out Of Band Emission

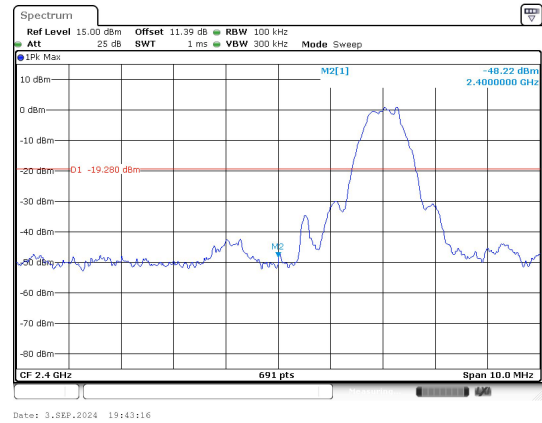
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2399.00	-42.823	-19.28	-23.543	PASS
		2400.00	-48.219	-19.28	-28.939	PASS
		7205.10	-39.988	-19.28	-20.708	PASS
	19	7319.16	-37.247	-20.21	-17.037	PASS
	39	2483.50	-47.337	-21.21	-26.127	PASS
		9914.37	-45.313	-21.21	-24.103	PASS

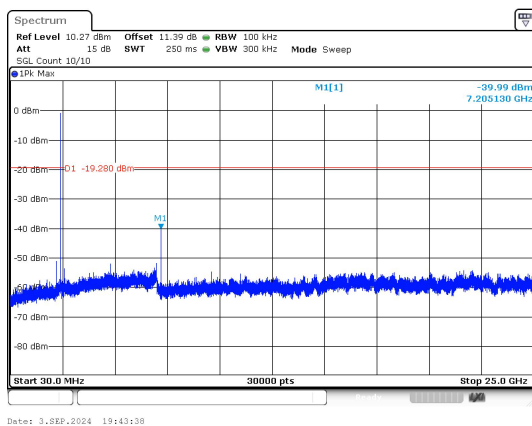
Test Graphs



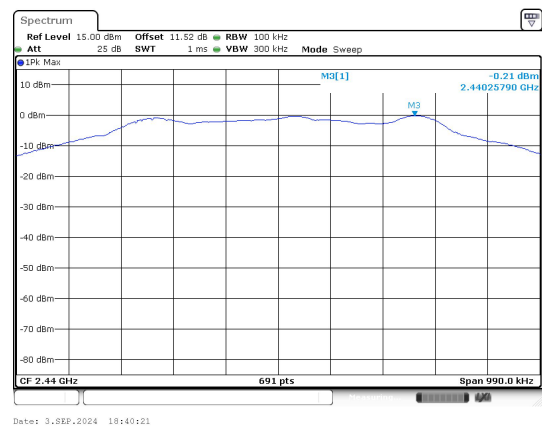
**In-Band Reference Level
BLE 1M_Channel 0**



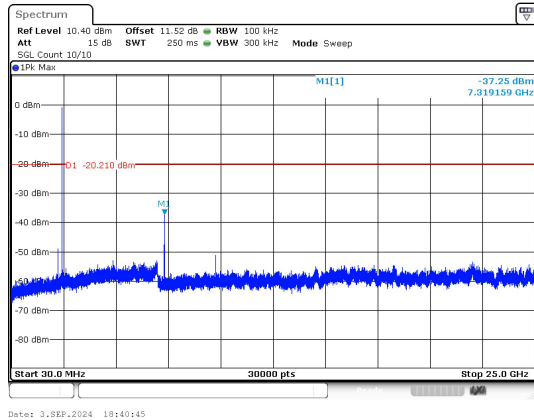
**Out Of Band Emission
BLE 1M_Channel 0**



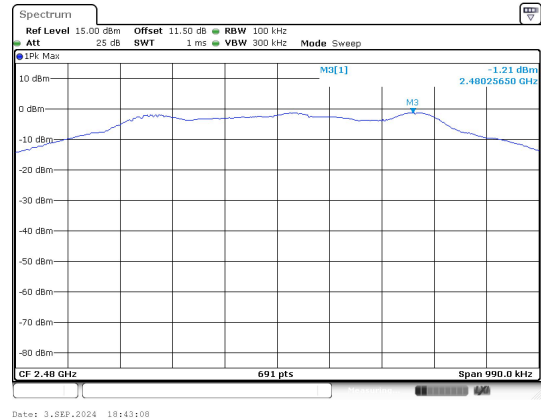
**30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0**



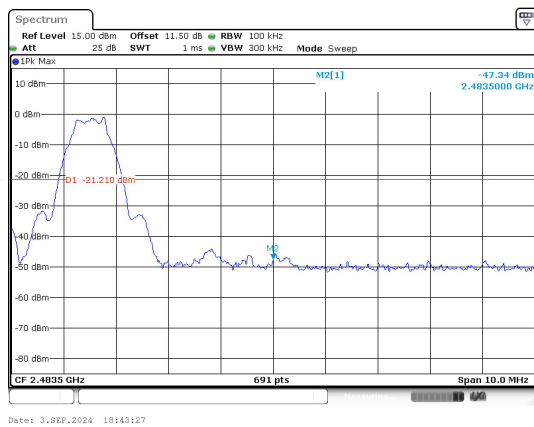
**In-Band Reference Level
BLE 1M_Channel 19**



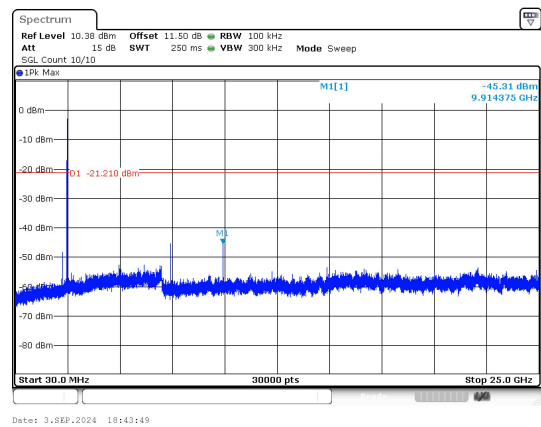
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



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