

Appendix B

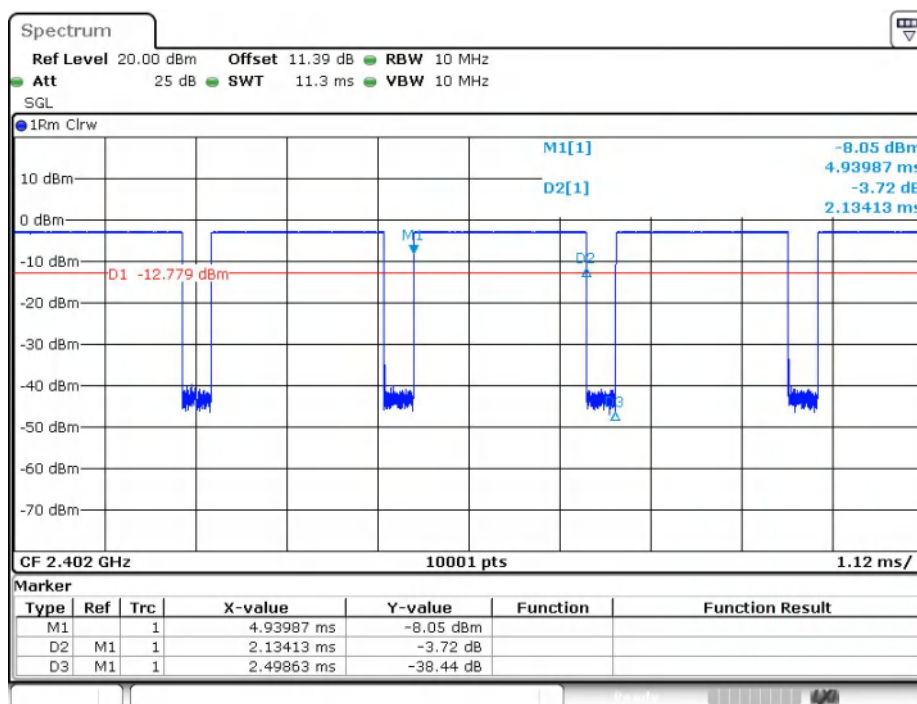
Report No.:	CISRR24090300902
FCC ID:	2BFQI-G61
Product Name:	keyboard
Model No.:	G61
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

1) Duty Cycle

Test Result

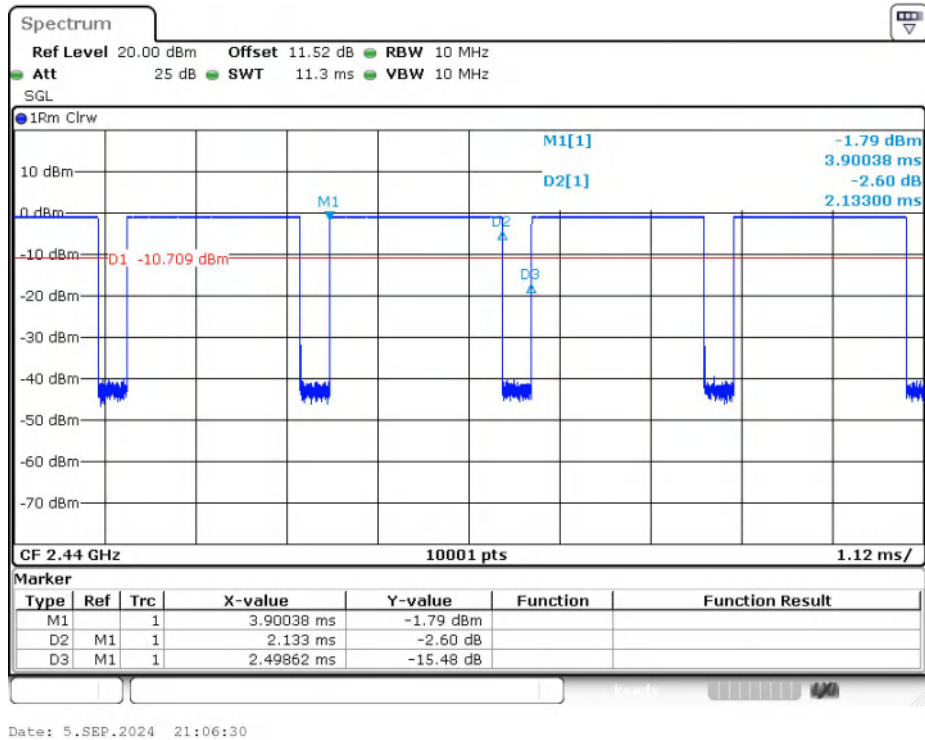
Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	2.134	2.499	85.41	0.8541	0.6849	0.47
	19	2.133	2.499	85.37	0.8537	0.6869	0.47
	39	2.133	2.499	85.37	0.8537	0.6869	0.47

Test Graphs

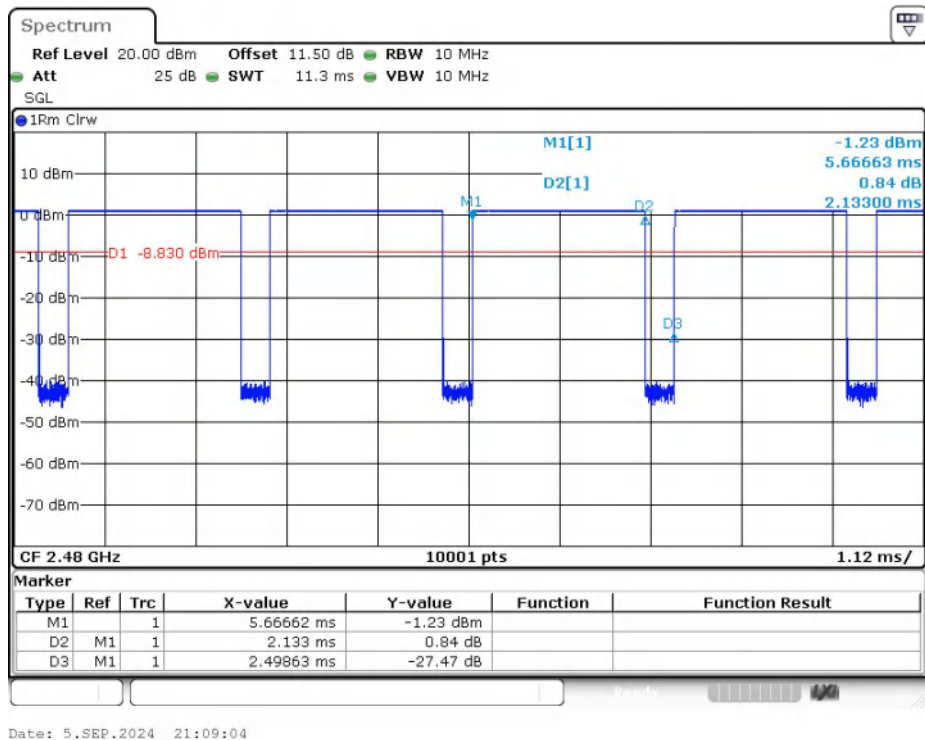


Date: 5.SEP.2024 21:02:52

BLE 1M_Channel 0



BLE 1M_Channel 19



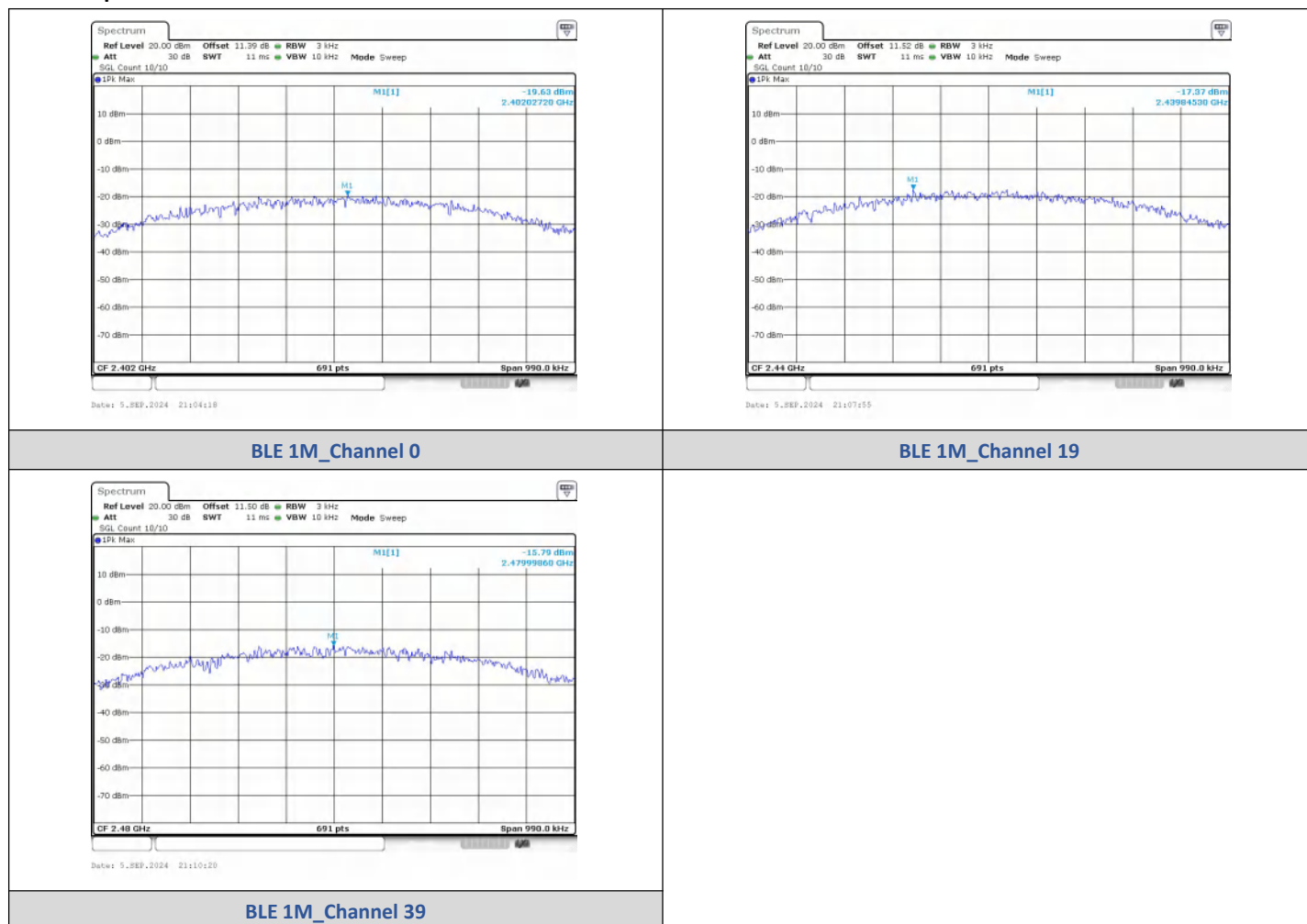
BLE 1M_Channel 39

2) Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-19.63	≤8	PASS
BLE 1M	19	-17.37	≤8	PASS
BLE 1M	39	-15.79	≤8	PASS

Test Graphs

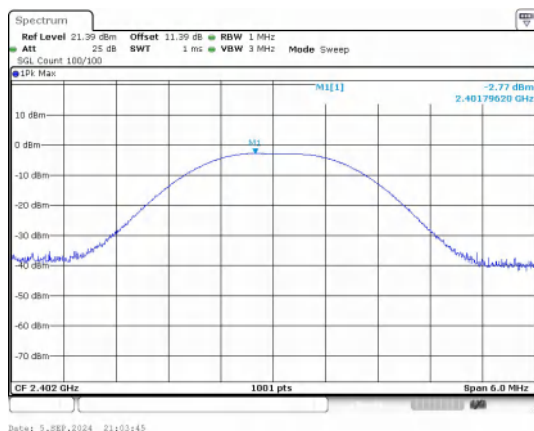


3) Conducted Peak Output Power

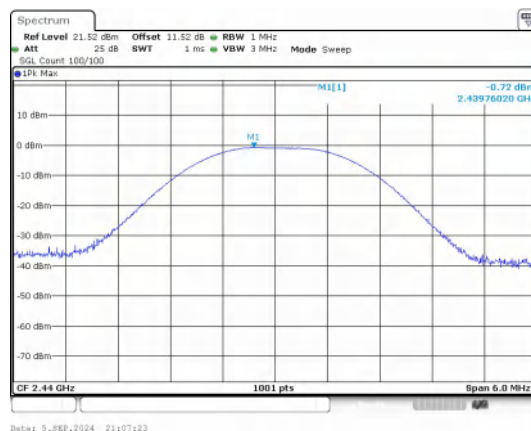
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	-2.77	0.53	≤30	PASS
	19	-0.72	0.85	≤30	PASS
	39	1.18	1.31	≤30	PASS

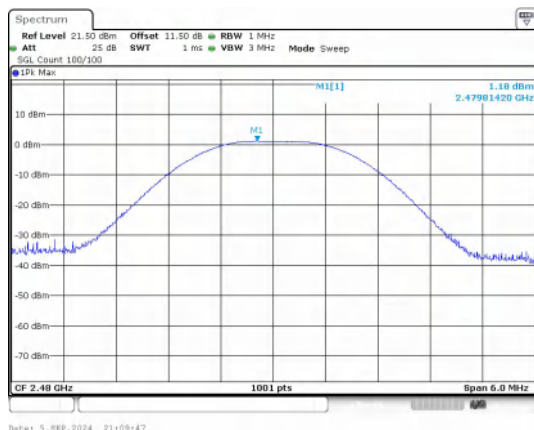
Test Graphs



Peak Output Power
BLE 1M_Channel 0



Peak Output Power
BLE 1M_Channel 19



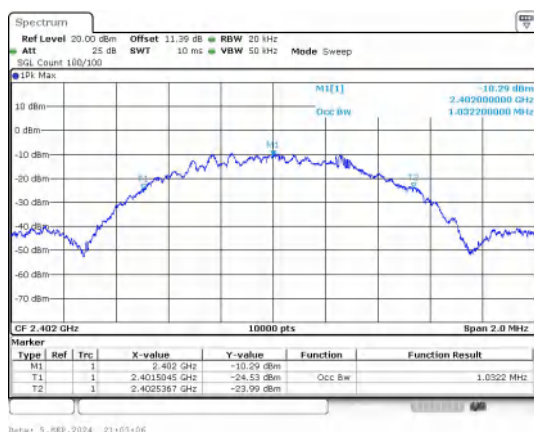
Peak Output Power
BLE 1M_Channel 39

4) 99% Bandwidth

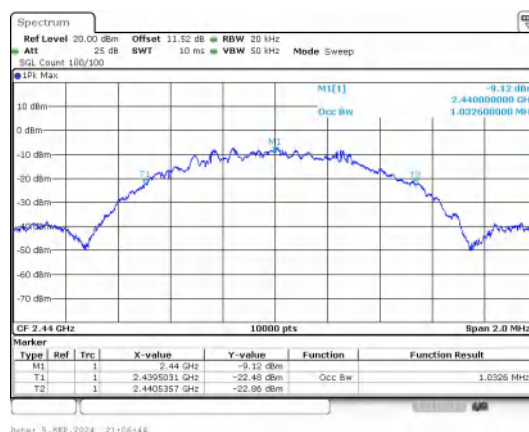
Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0322
BLE 1M	19	2440	1.0326
BLE 1M	39	2480	1.0298

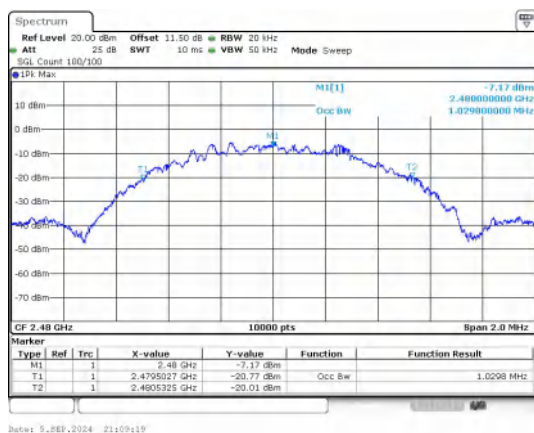
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



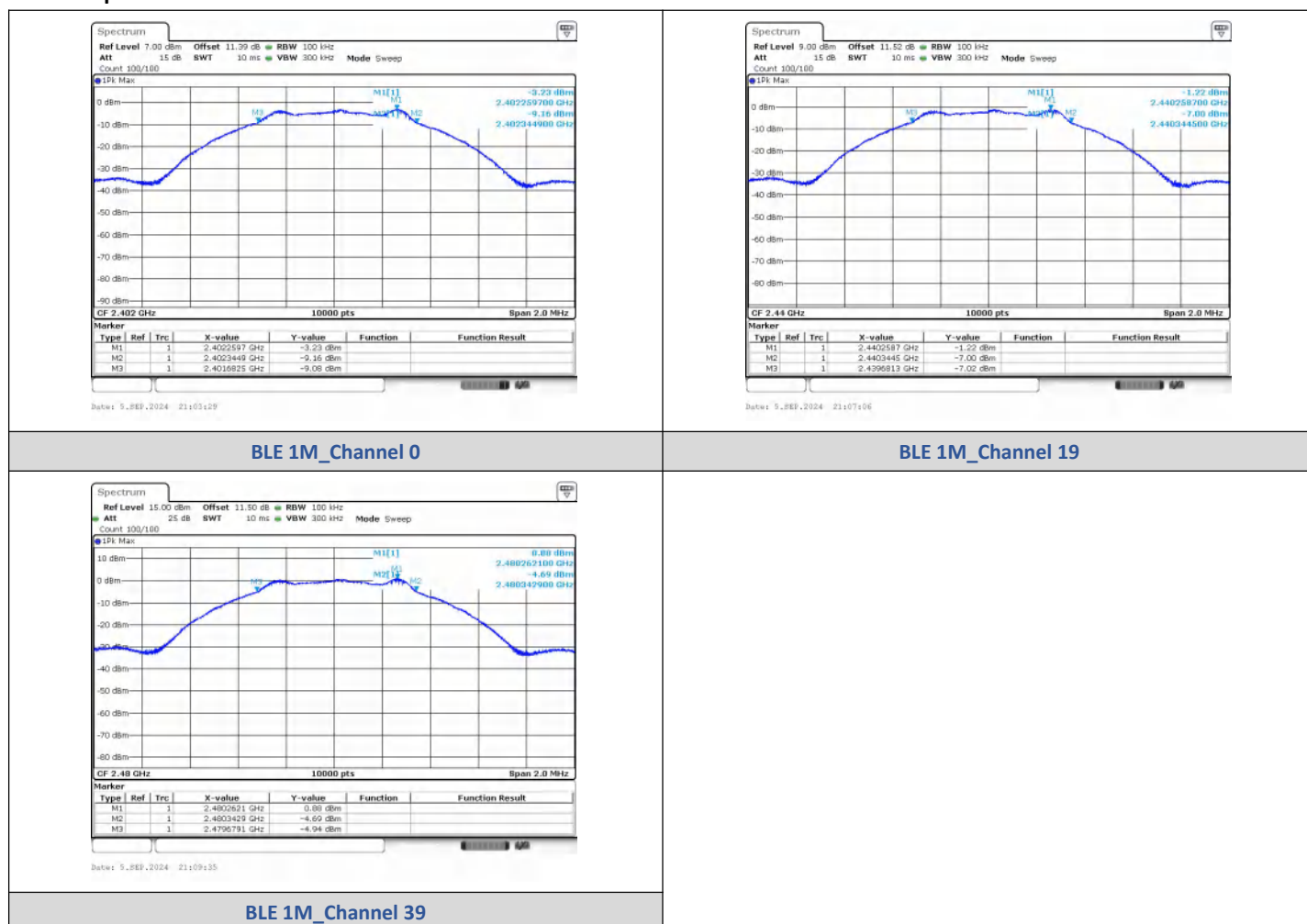
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5) 6dB Bandwidth

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

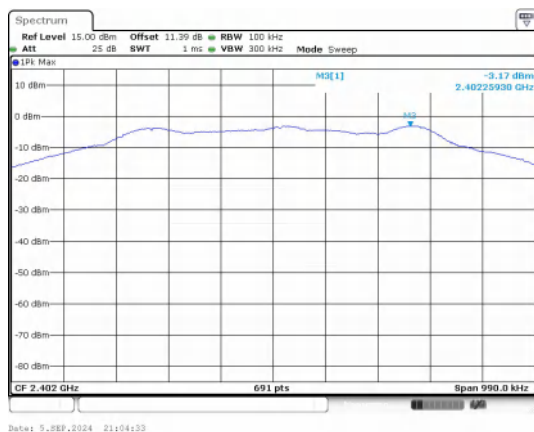


6) Conducted Out Of Band Emission

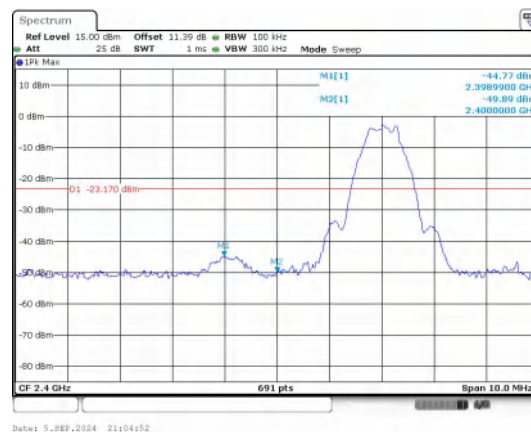
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2398.99	-44.767	-23.17	-21.597	PASS
		2400.00	-49.894	-23.17	-26.724	PASS
		3498.70	-43.560	-23.17	-20.390	PASS
	19	9753.73	-40.844	-21.1	-19.744	PASS
	39	2483.50	-48.028	-19.13	-28.898	PASS
		9914.37	-41.971	-19.13	-22.841	PASS

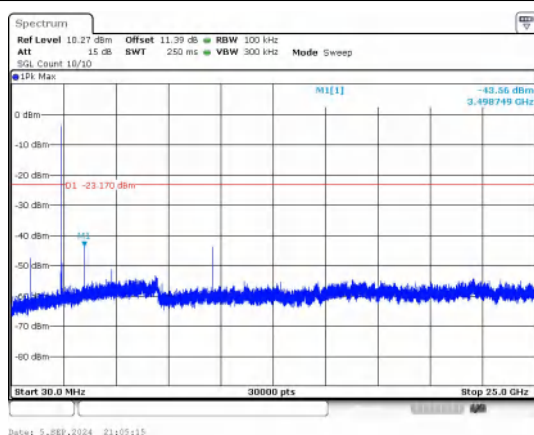
Test Graphs



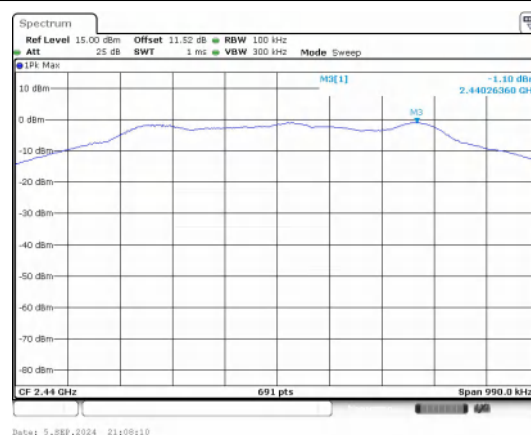
In-Band Reference Level
BLE 1M_Channel 0



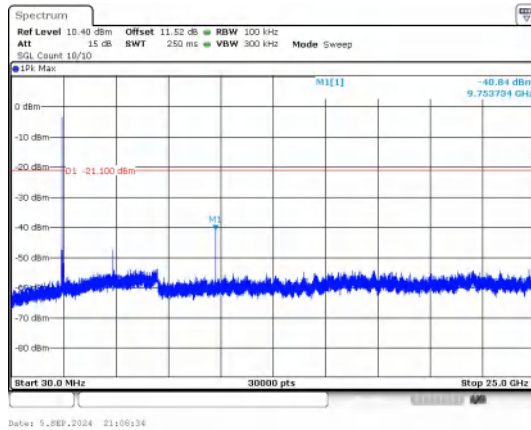
Out Of Band Emission
BLE 1M_Channel 0



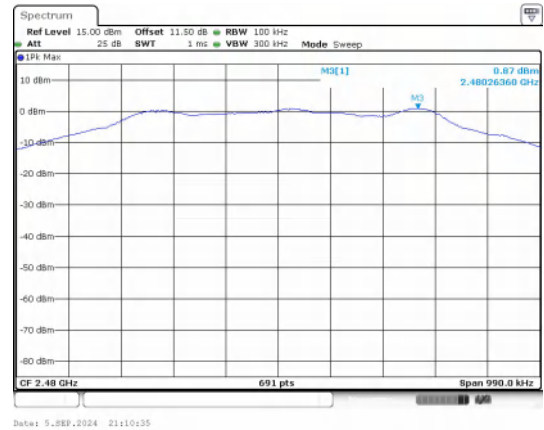
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0



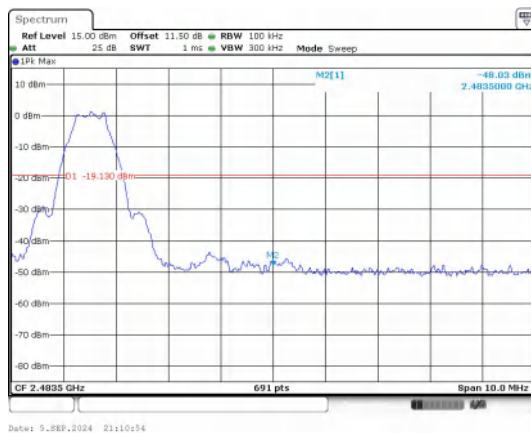
In-Band Reference Level
BLE 1M_Channel 19



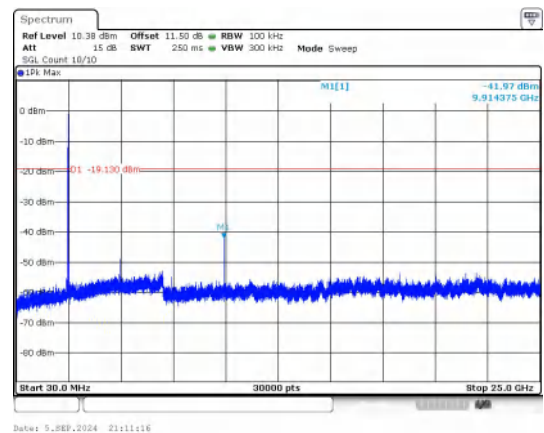
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



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