Appendix A

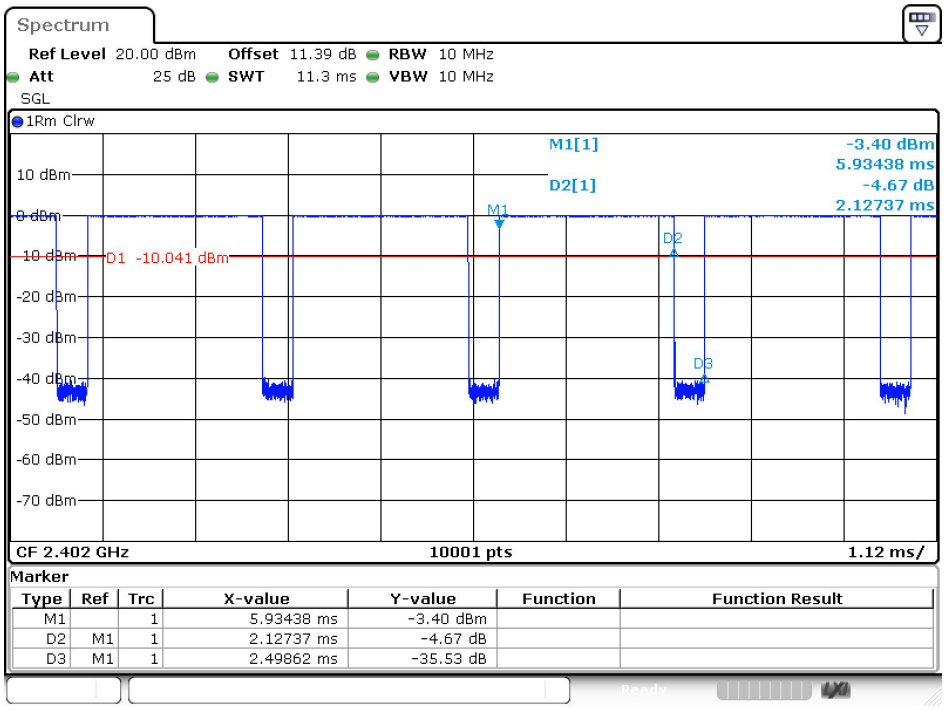
Report No.:	CISRR240513041
FCC ID:	2BFQI-G305
Product Name:	mouse
Model No.:	G305
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

1) Duty Cycle

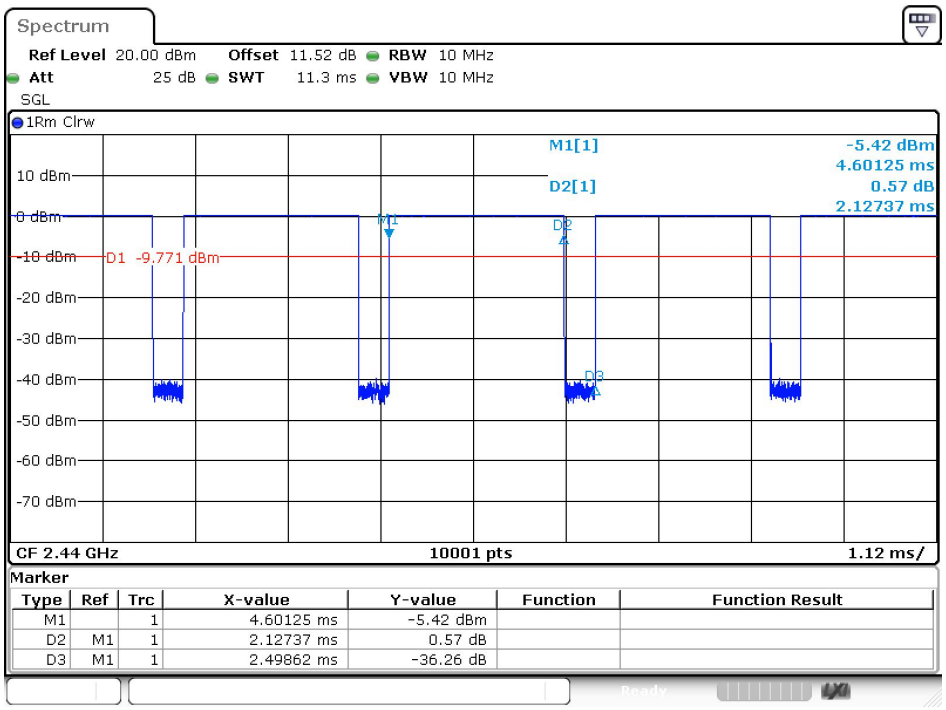
Test Result

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	0.47
	19	2.127	2.499	85.14	0.8514	0.6987	0.47
	39	2.127	2.499	85.14	0.8514	0.6987	0.47

Test Graphs

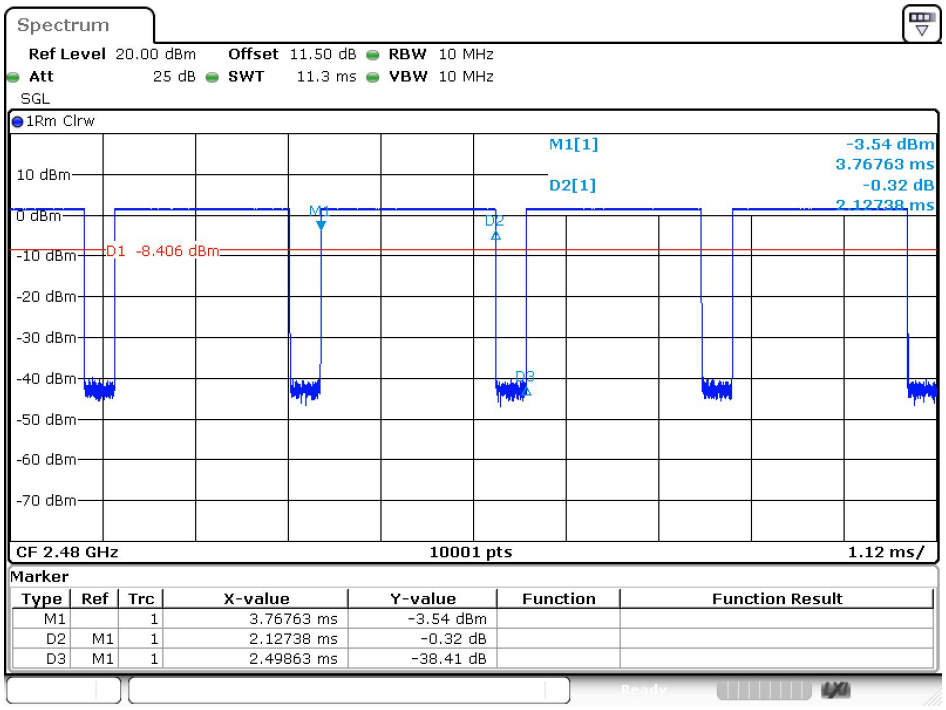


BLE 1M_Channel 0



Date: 16.MAY.2024 17:07:33

BLE 1M_Channel 19



Date: 16.MAY.2024 17:09:45

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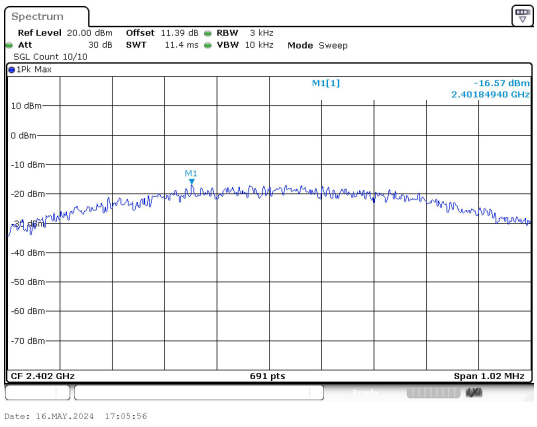
2) Power Spectral Density

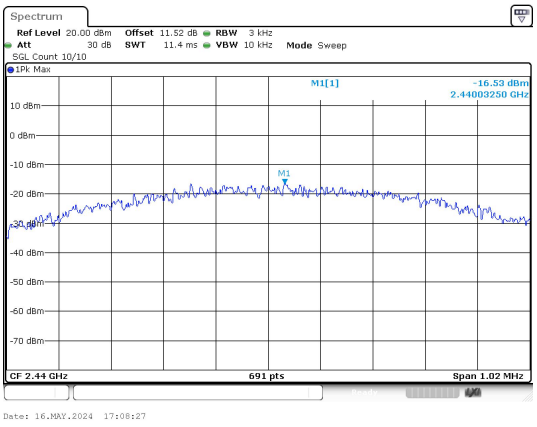
Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-16.570	≤8	PASS
BLE 1M	19	-16.532	≤8	PASS
BLE 1M	39	-14.914	≤8	PASS

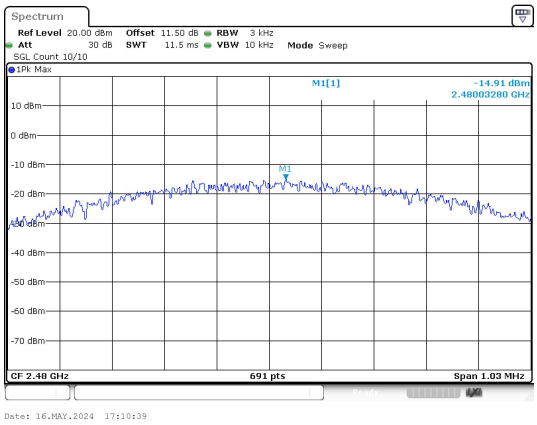
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



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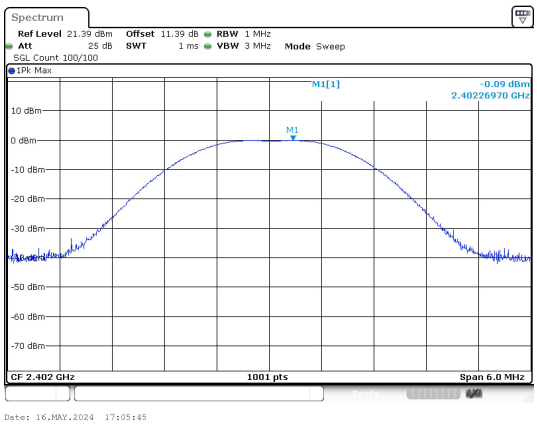
3) Conducted Peak Output Power

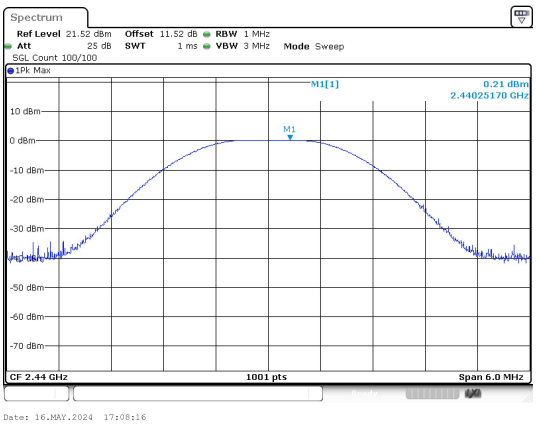
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	-0.09	0.98	≤30	PASS
	19	0.21	1.05	≤30	PASS
	39	1.54	1.42	≤30	PASS

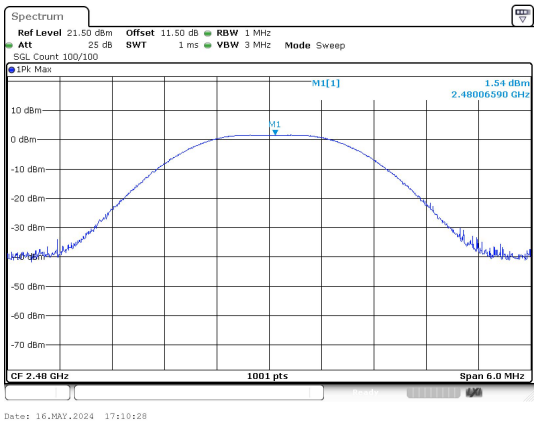
Test Graphs



Peak Output Power
BLE 1M_Channel 0



Peak Output Power
BLE 1M_Channel 19



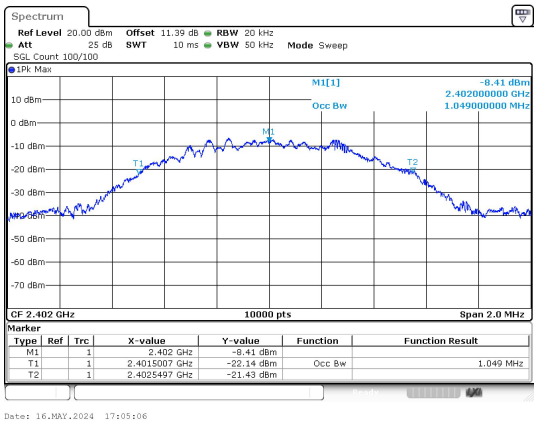
Peak Output Power
BLE 1M_Channel 39

4) 99% Bandwidth

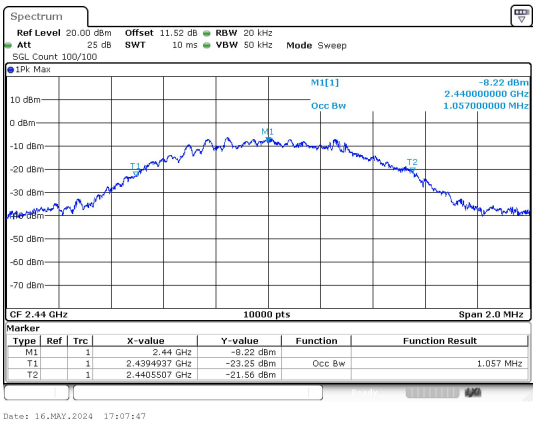
Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0490
BLE 1M	19	2440	1.0570
BLE 1M	39	2480	1.0748

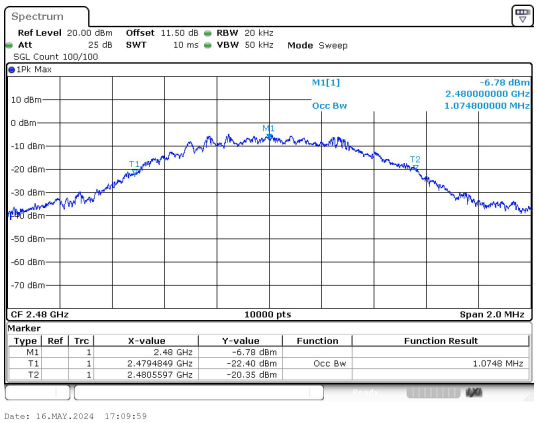
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



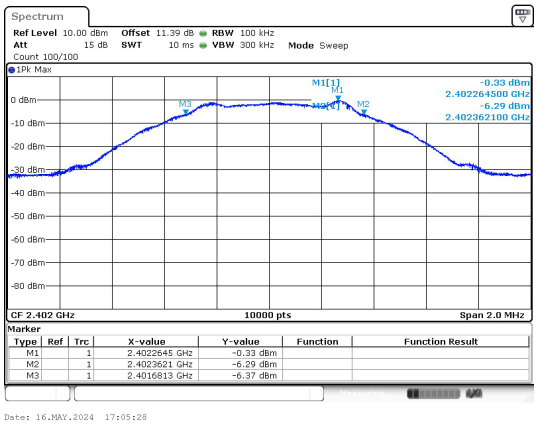
BLE 1M_Channel 39

5) 6dB Bandwidth

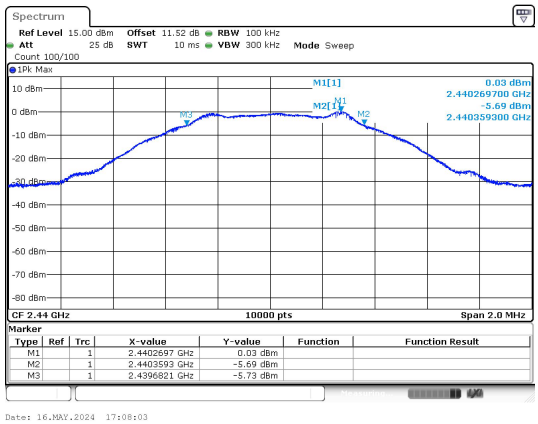
Test Result

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

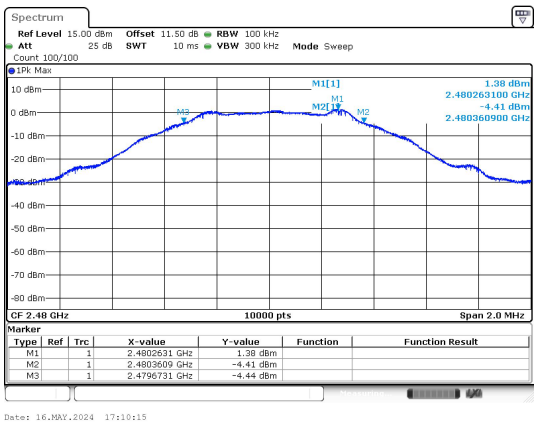
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



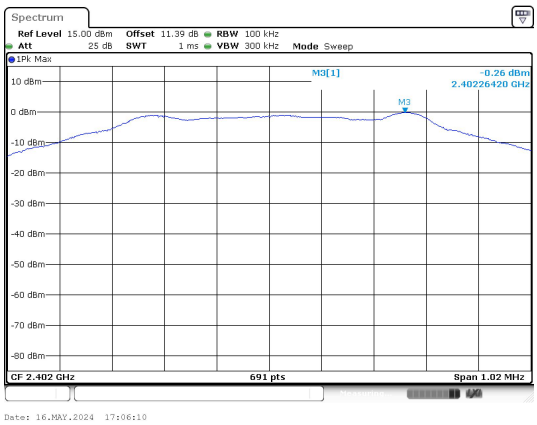
BLE 1M_Channel 39

6) Conducted Out Of Band Emission

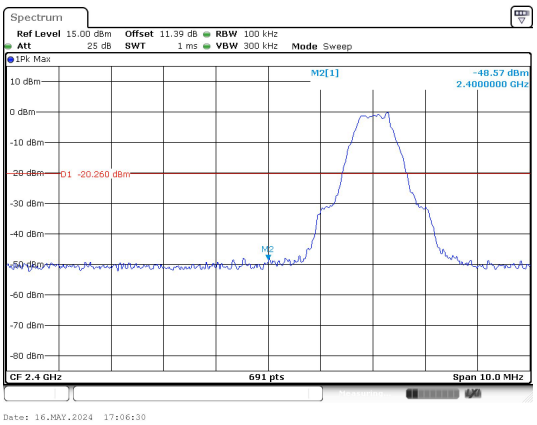
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2400.00	-48.566	-20.26	-28.306	PASS
		4804.68	-47.764	-20.26	-27.504	PASS
	19	9760.39	-47.863	-19.94	-27.923	PASS
	39	2483.50	-50.340	-18.62	-31.720	PASS
		4959.49	-46.283	-18.62	-27.663	PASS

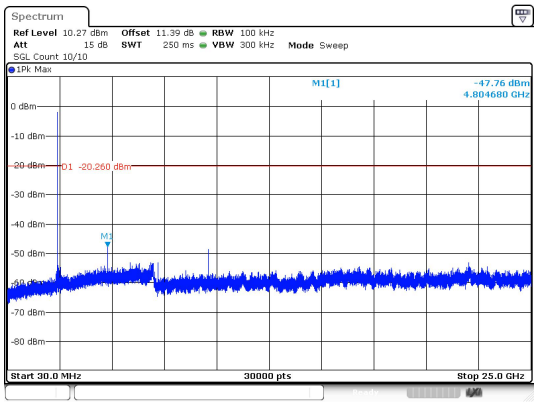
Test Graphs



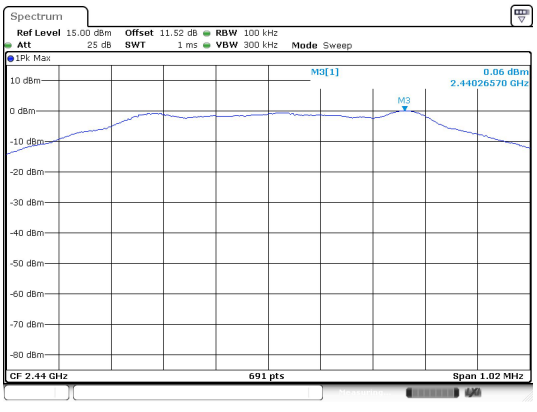
In-Band Reference Level
BLE 1M_Channel 0



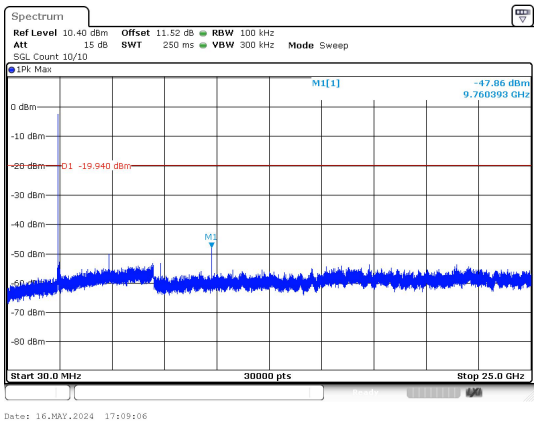
Out Of Band Emission
BLE 1M_Channel 0



30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0

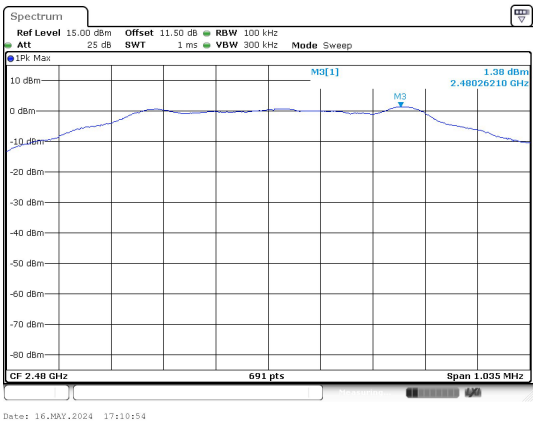


In-Band Reference Level
BLE 1M_Channel 19



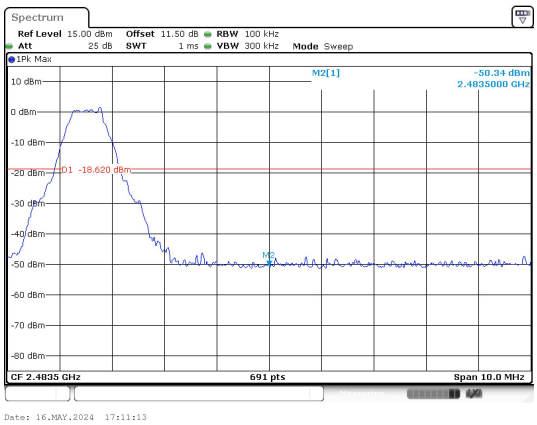
30.0 MHz - 25000.0 MHz

BLE 1M_Channel 19



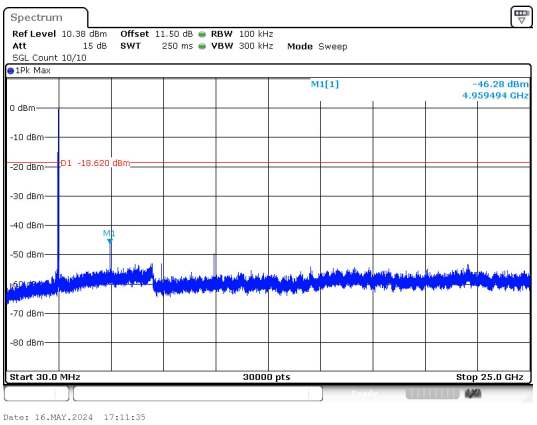
In-Band Reference Level

BLE 1M_Channel 39



Out Of Band Emission

BLE 1M_Channel 39



30.0 MHz - 25000.0 MHz

BLE 1M_Channel 39