

Appendix A

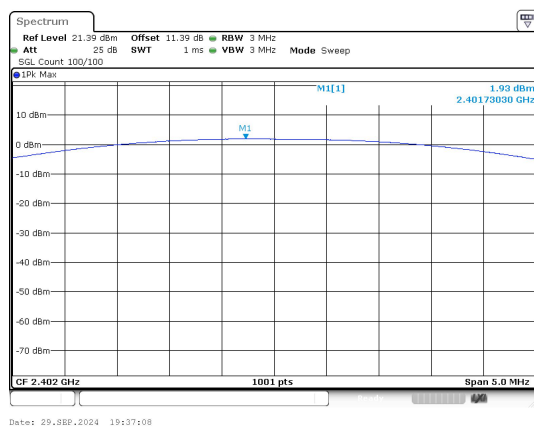
Report No.:	CISRR240926262
FCC ID:	2BLEK-S16
Product Name:	Karaoke Machine
Model No.:	S16
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

1) Conducted Output Power

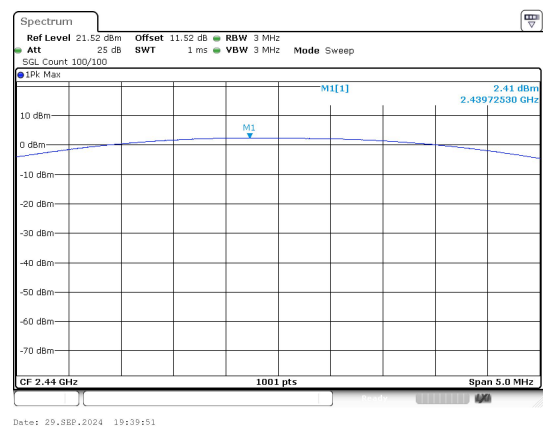
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	1.93	1.56	≤30	PASS
	19	2.41	1.74	≤30	PASS
	39	2.92	1.96	≤30	PASS

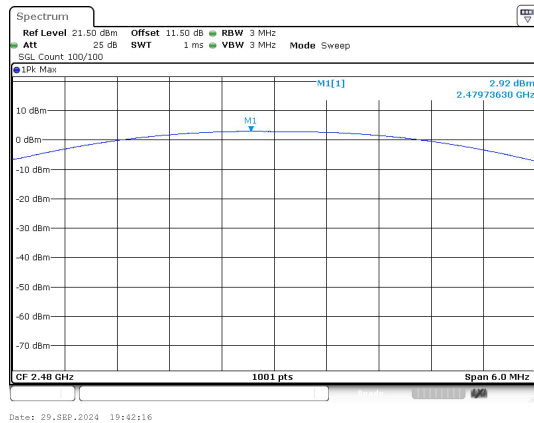
Test Graphs



Peak Output Power
BLE 1M_Channel 0



Peak Output Power
BLE 1M_Channel 19



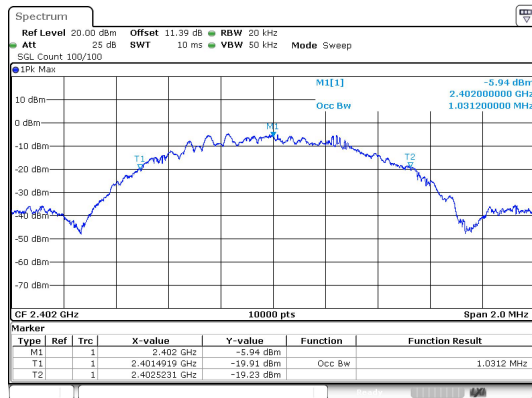
Peak Output Power
BLE 1M_Channel 39

2) 99% Bandwidth

Test Result

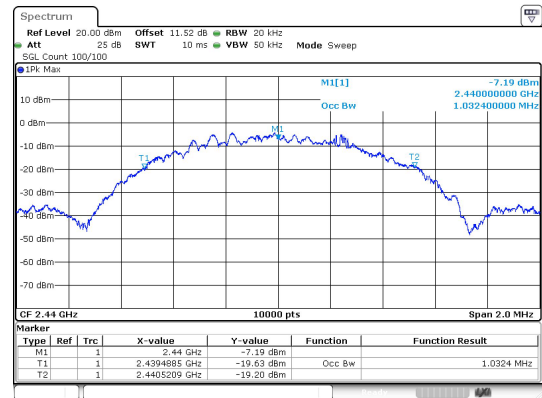
Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0310
BLE 1M	19	2440	1.0320
BLE 1M	39	2480	1.0320

Test Graphs



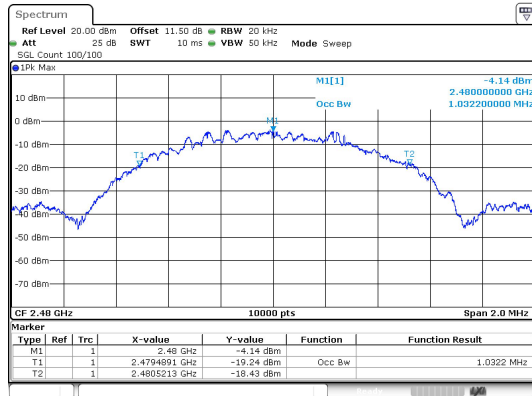
Date: 29.SEP.2024 19:36:39

BLE 1M_Channel 0



Date: 29.SEP.2024 19:39:22

BLE 1M_Channel 19



Date: 29.SEP.2024 19:41:47

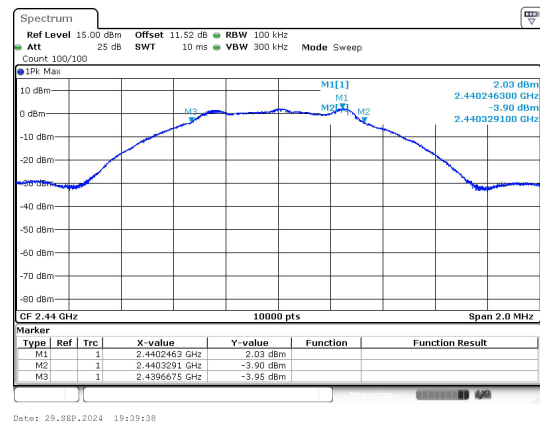
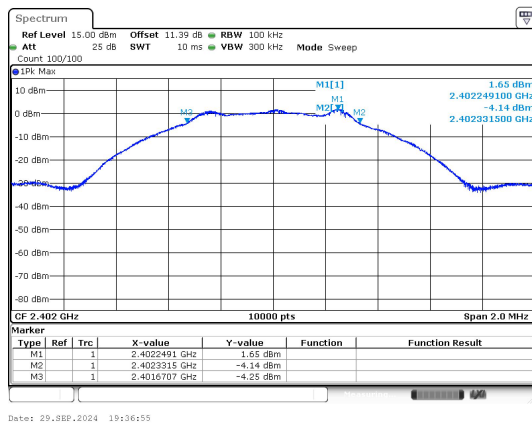
BLE 1M_Channel 39

3) 6dB Bandwidth

Test Result

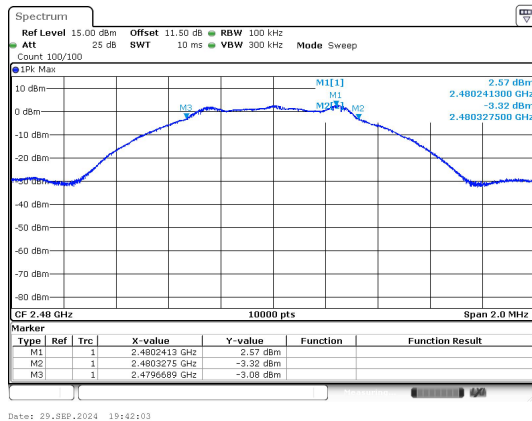
Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6600	≥0.5	PASS
	19	2440	0.6600		PASS
	39	2480	0.6600		PASS

Test Graphs



BLE 1M_Channel 0

BLE 1M_Channel 19



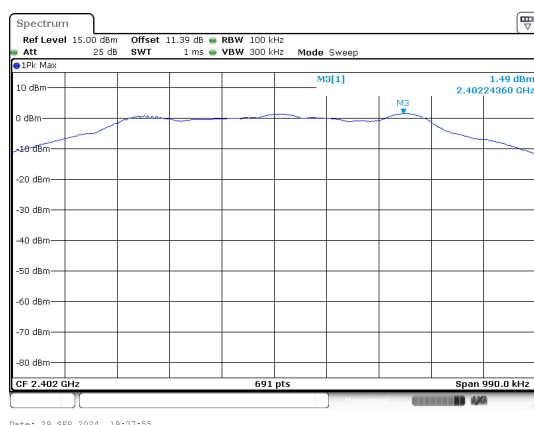
BLE 1M_Channel 39

4) Conducted Out Of Band Emission

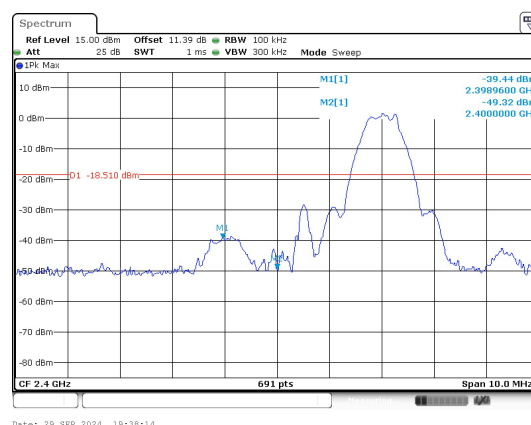
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2398.96	-39.441	-18.51	-20.931	PASS
		2400.00	-49.324	-18.51	-30.814	PASS
		9602.20	-44.616	-18.51	-26.106	PASS
	19	9753.73	-41.557	-17.99	-23.567	PASS
	39	2483.50	-43.121	-17.42	-25.701	PASS
		9914.37	-41.200	-17.42	-23.780	PASS

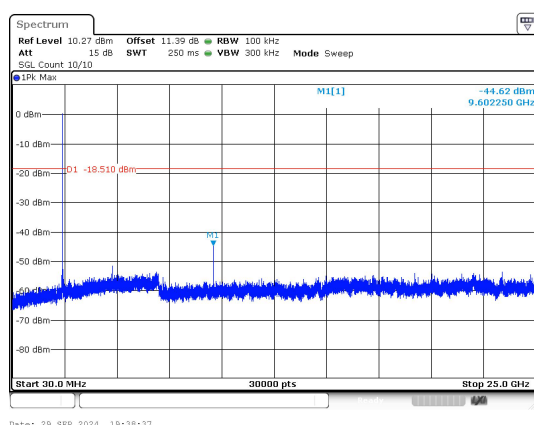
Test Graphs



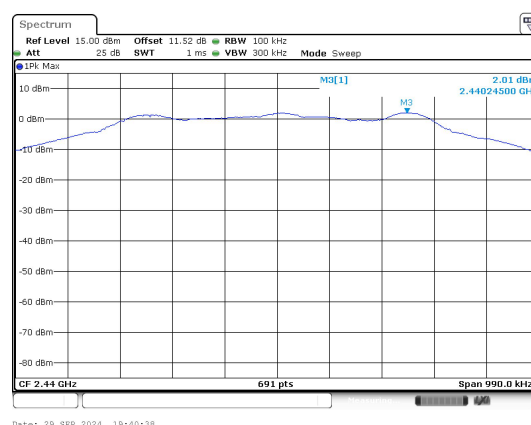
In-Band Reference Level
BLE 1M_Channel 0



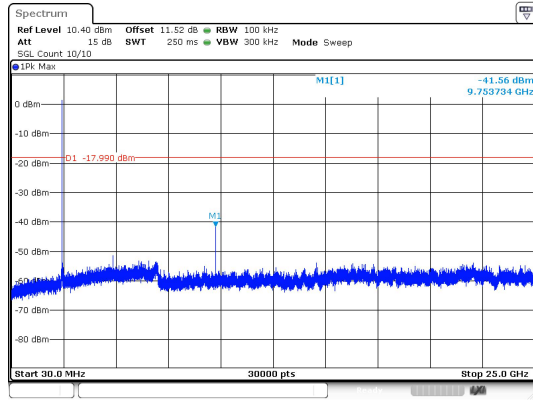
Out Of Band Emission
BLE 1M_Channel 0



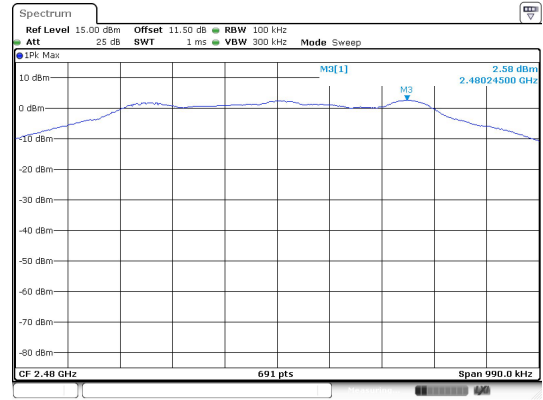
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0



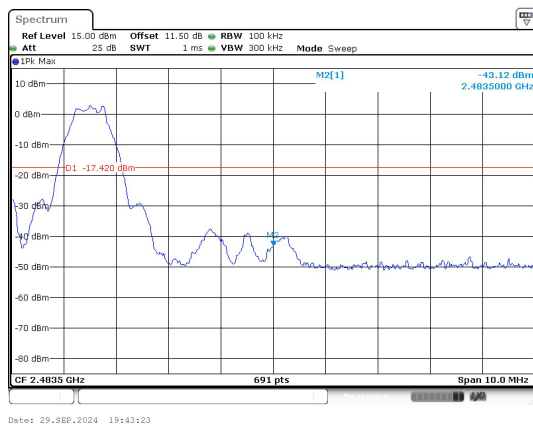
In-Band Reference Level
BLE 1M_Channel 19



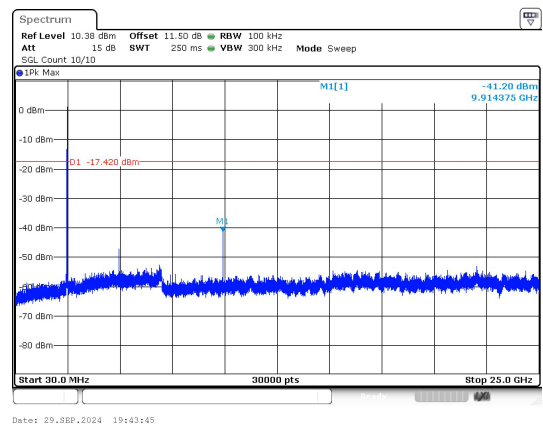
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



In-Band Reference Level
BLE 1M_Channel 39



Out Of Band Emission
BLE 1M_Channel 39



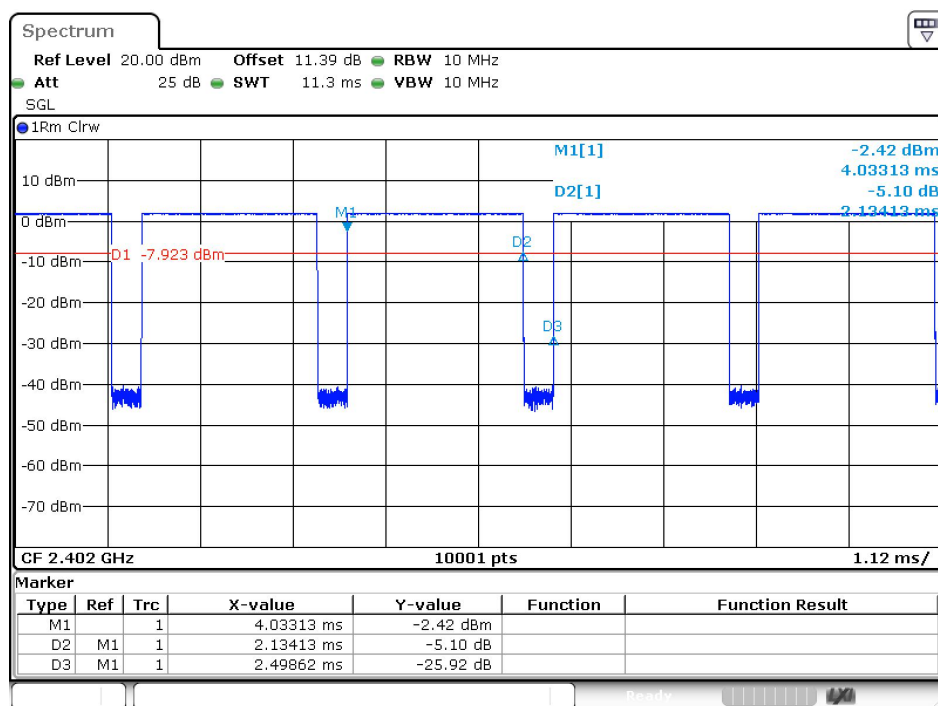
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 39

5) Duty Cycle

Test Result

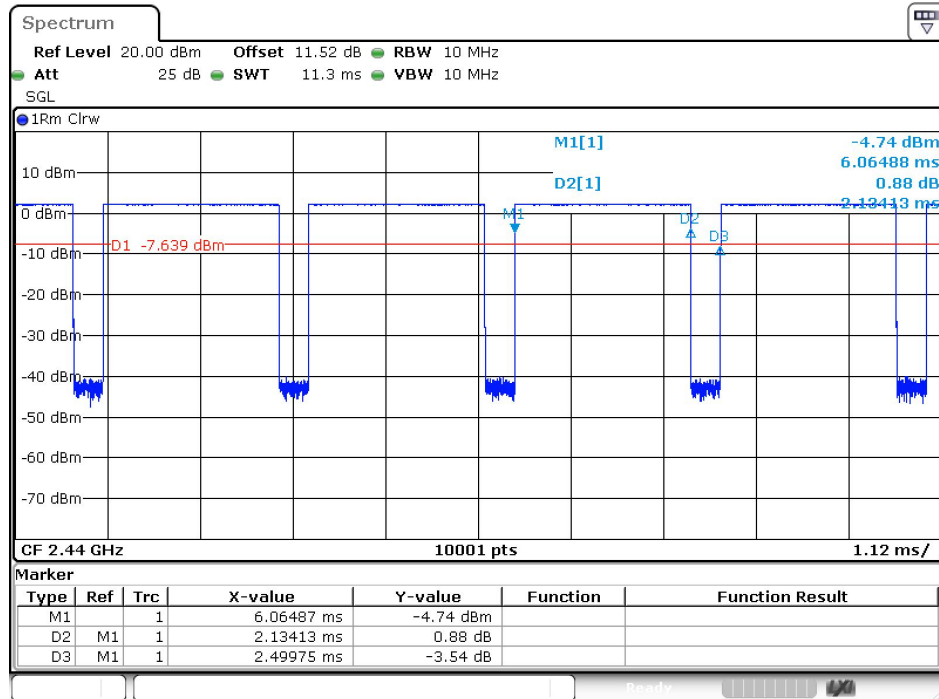
Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	2.134	2.499	85.41	0.8541	0.6849	0.47
	19	2.134	2.500	85.37	0.8537	0.6869	0.47
	39	2.134	2.499	85.41	0.8541	0.6849	0.47

Test Graphs

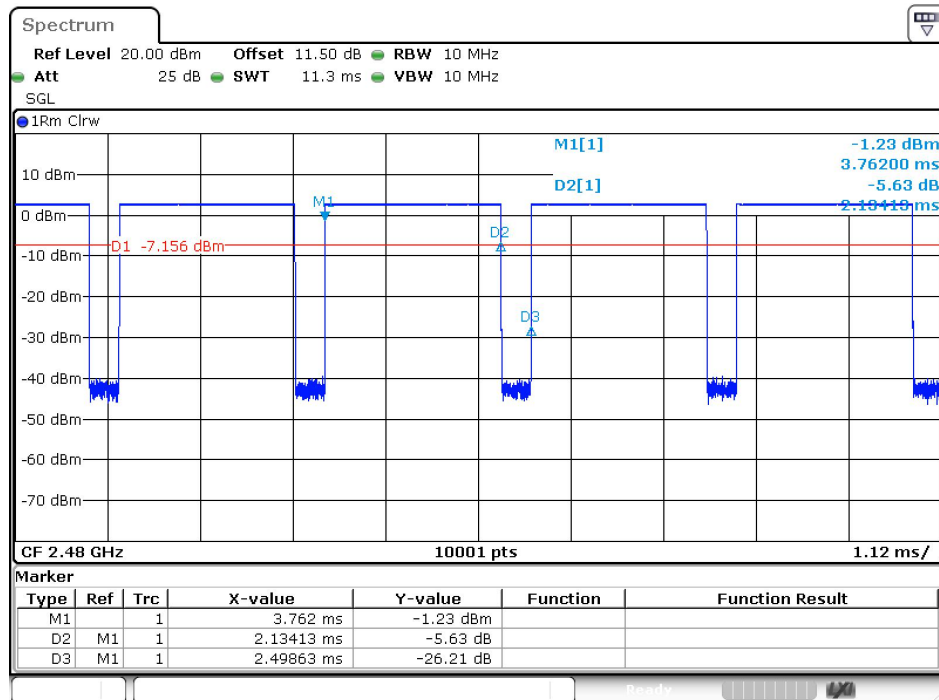


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BLE 1M_Channel 0



BLE 1M_Channel 19



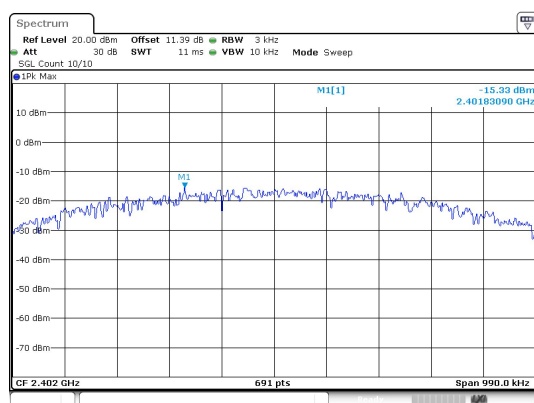
BLE 1M_Channel 39

6) Power Spectral Density

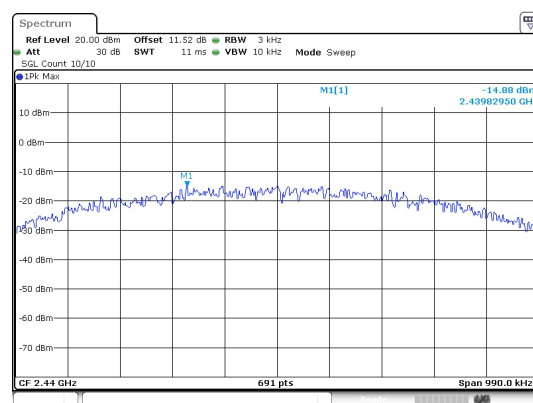
Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-15.330	≤8	PASS
BLE 1M	19	-14.877	≤8	PASS
BLE 1M	39	-14.039	≤8	PASS

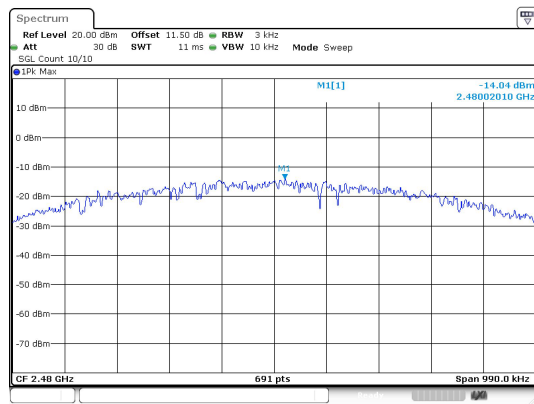
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



BLE 1M_Channel 39