Appendix B

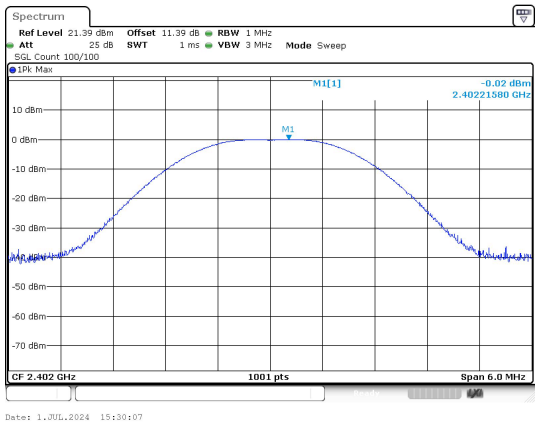
Report No.:	CISRR24062418302
FCC ID:	2A5TA-AM-2301
Product Name:	Wireless speaker
Model No.:	AM-2301
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

1) Conducted Peak Output Power

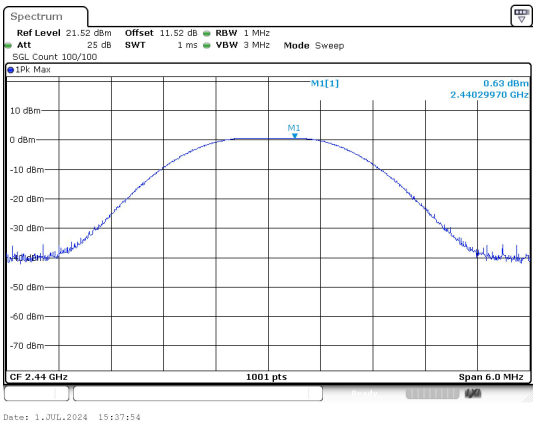
Test Result

Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
GFSK	LE	0	-0.02	1.0	30	PASS
		19	0.63	1.16		PASS
		39	1.59	1.44		PASS

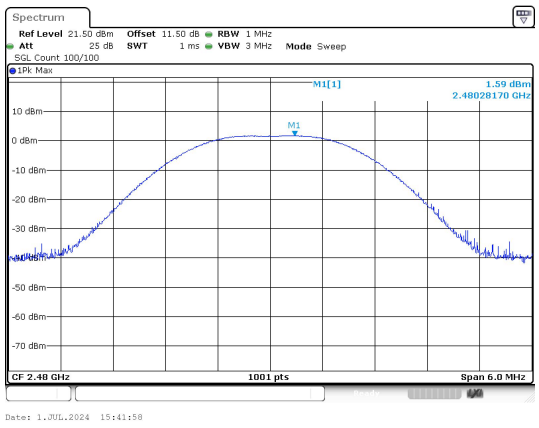
Test Graphs



Peak Output Power
BLE 1M_Channel 0



Peak Output Power
BLE 1M_Channel 19



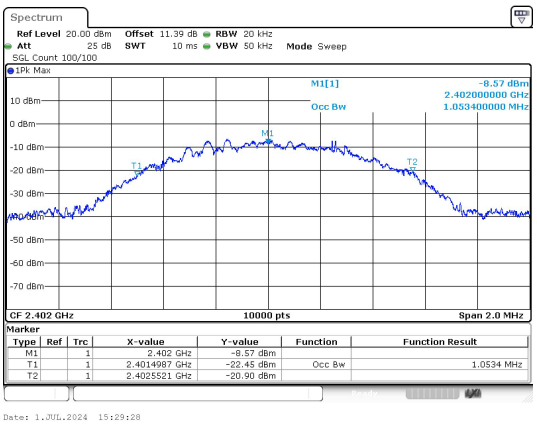
Peak Output Power
BLE 1M_Channel 39

2) 99% Bandwidth

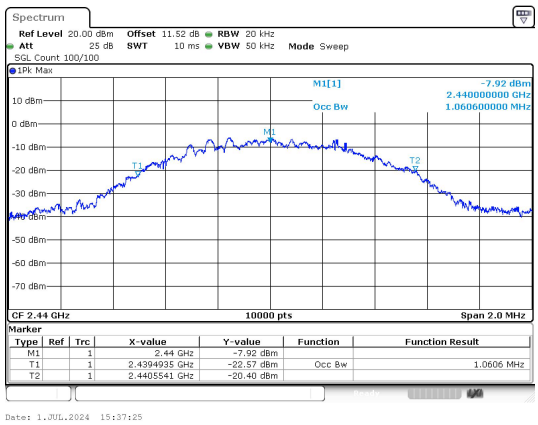
Test Result

Mode	Channel	99% BW (MHz)
LE	0	1.0534
LE	19	1.0606
LE	39	1.0748

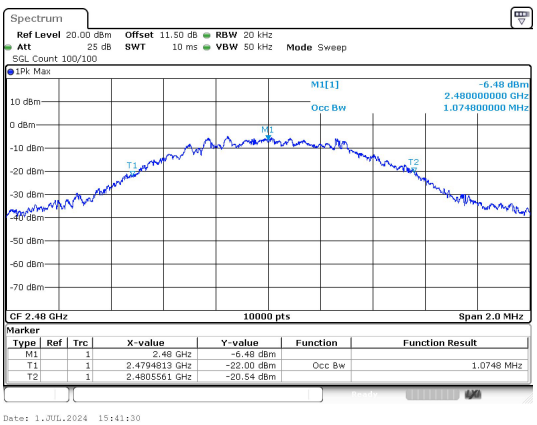
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



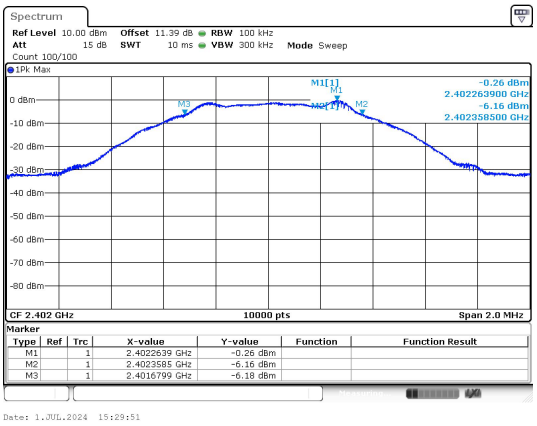
BLE 1M_Channel 39

3) 6dB Bandwidth

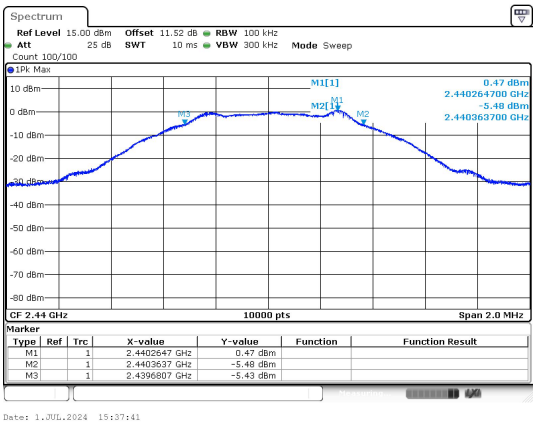
Test Result

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

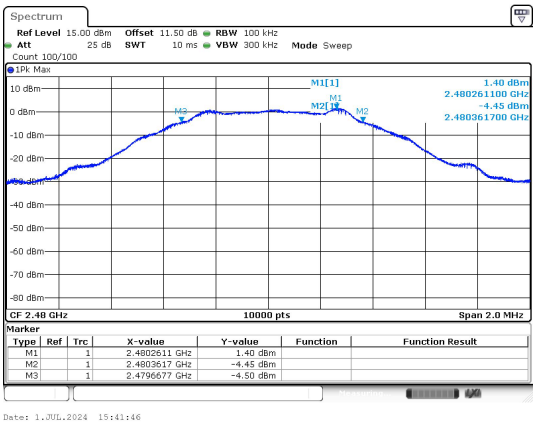
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



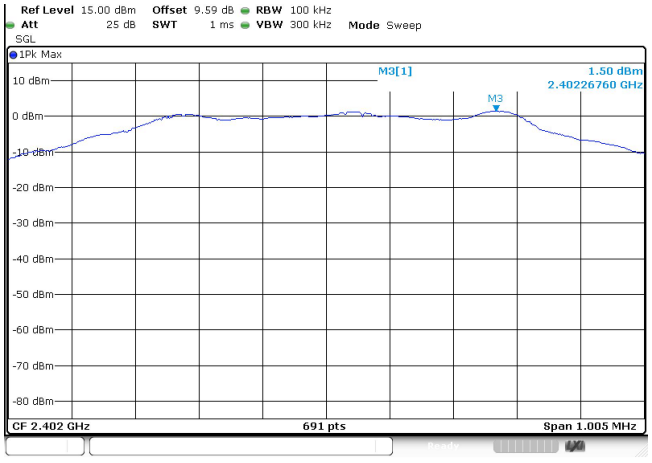
BLE 1M_Channel 39

4) Conducted Out Of Band Emission

Test Result

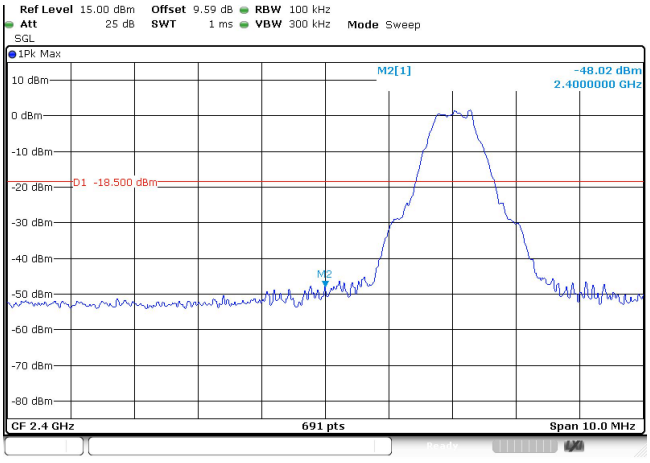
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
LE	0	2400.00	-48.533	-20.19	-28.343	PASS
		9608.08	-47.901	-20.19	-27.711	PASS
	19	9760.39	-46.554	-19.52	-27.034	PASS
	39	2483.50	-50.331	-18.57	-31.761	PASS
		4960.33	-45.286	-18.57	-26.716	PASS

Test Graphs



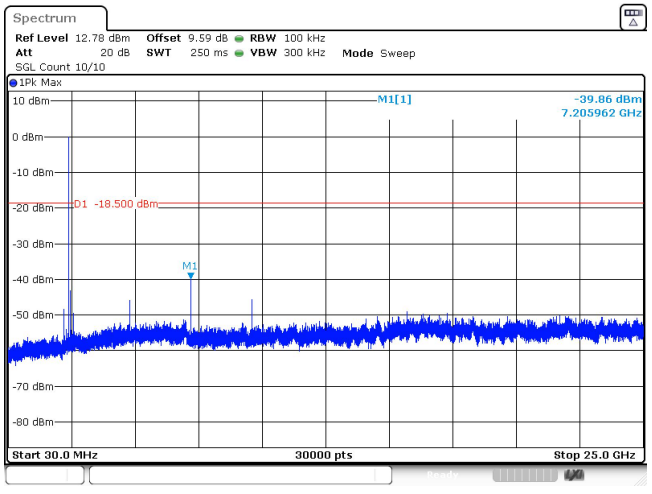
In-Band Reference Level

LE_Channel 0



Out Of Band Emission

LE_Channel 0

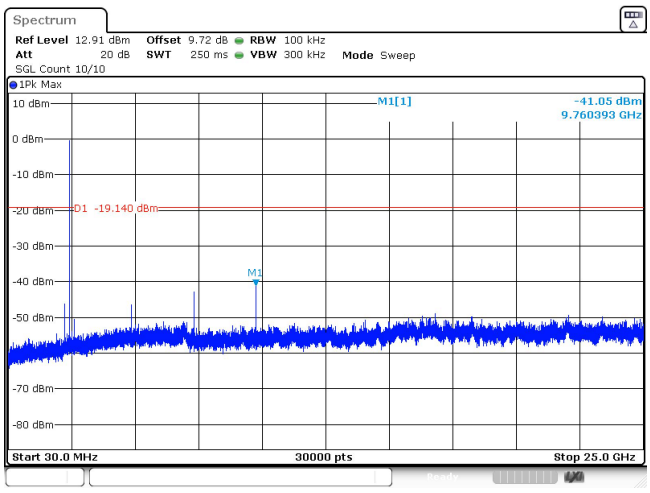


Spurious Emission

LE_Channel 0

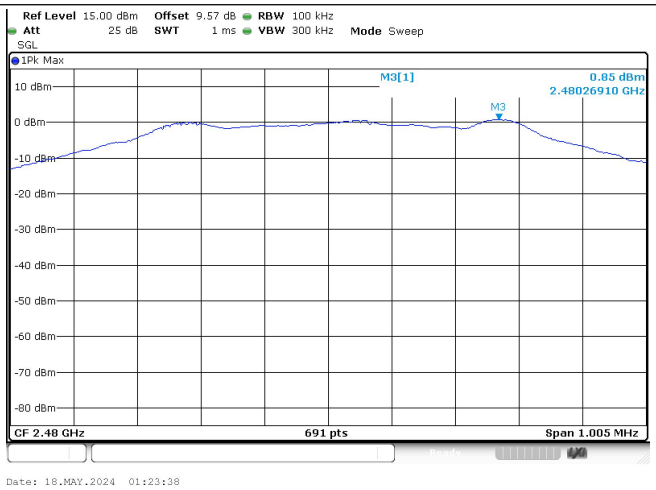
In-Band Reference Level

LE_Channel 19



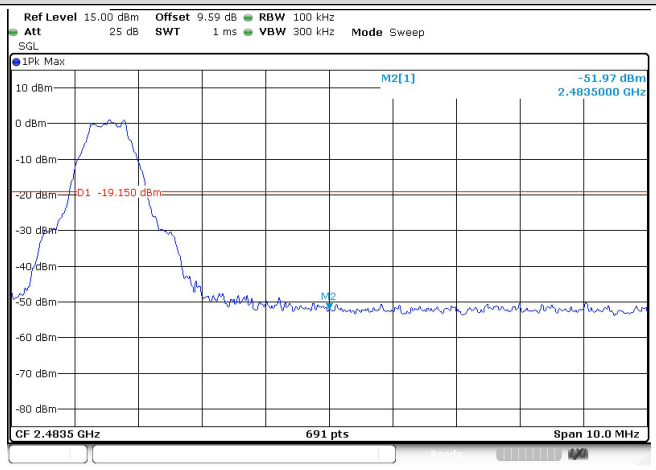
Spurious Emissions

LE_Channel 19



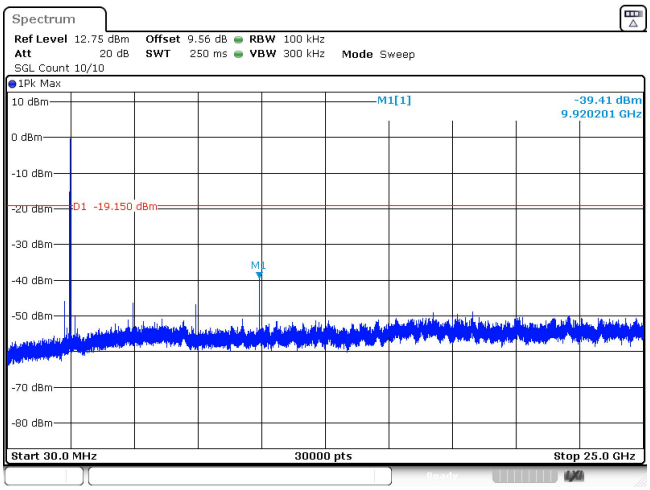
In-Band Reference Level

LE_Channel 39



Out Of Band Emission

LE_Channel 39



Spurious Emission

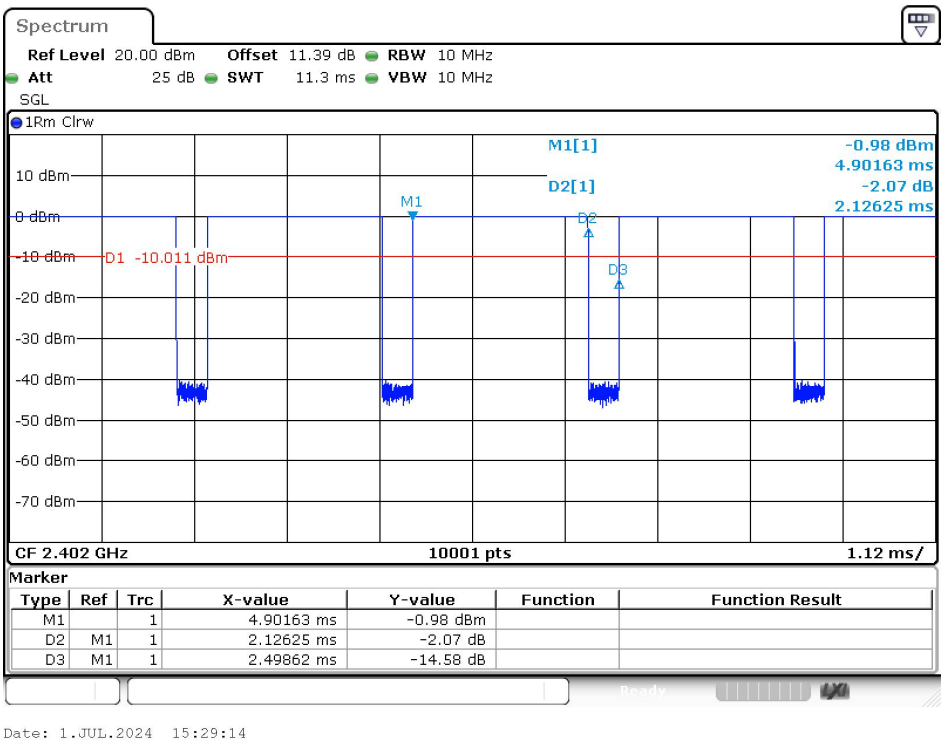
LE_Channel 39

5) Duty Cycle

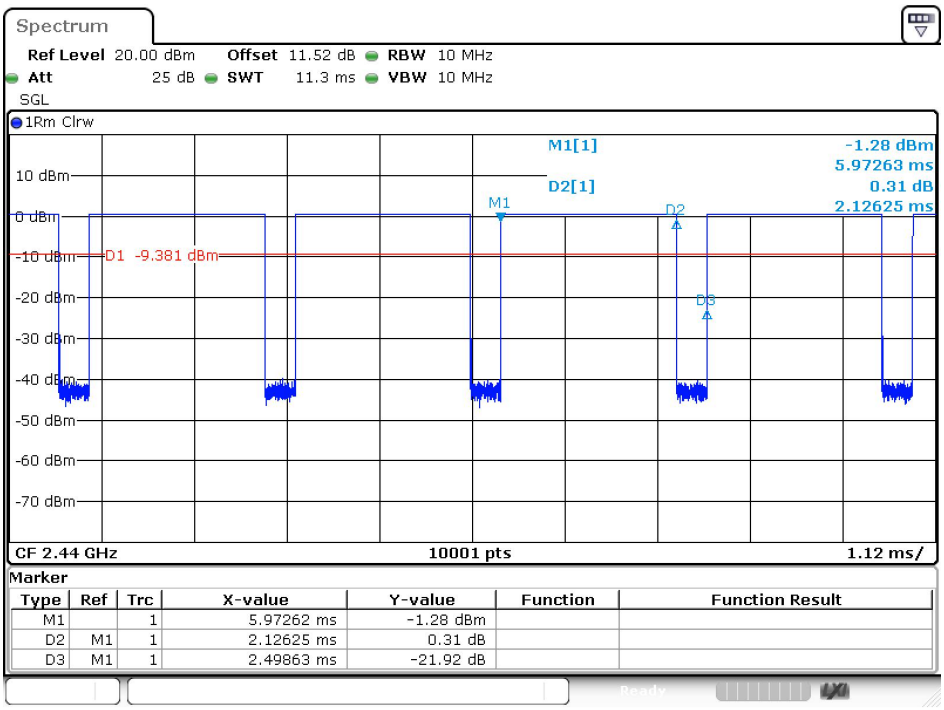
Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
LE	0	2.126	2.499	85.10	0.8510	0.7007	0.47
	19	2.126	2.499	85.10	0.8510	0.7007	0.47
	39	2.127	2.500	85.10	0.8510	0.7007	0.47

Test Graphs



BLE 1M_Channel 0



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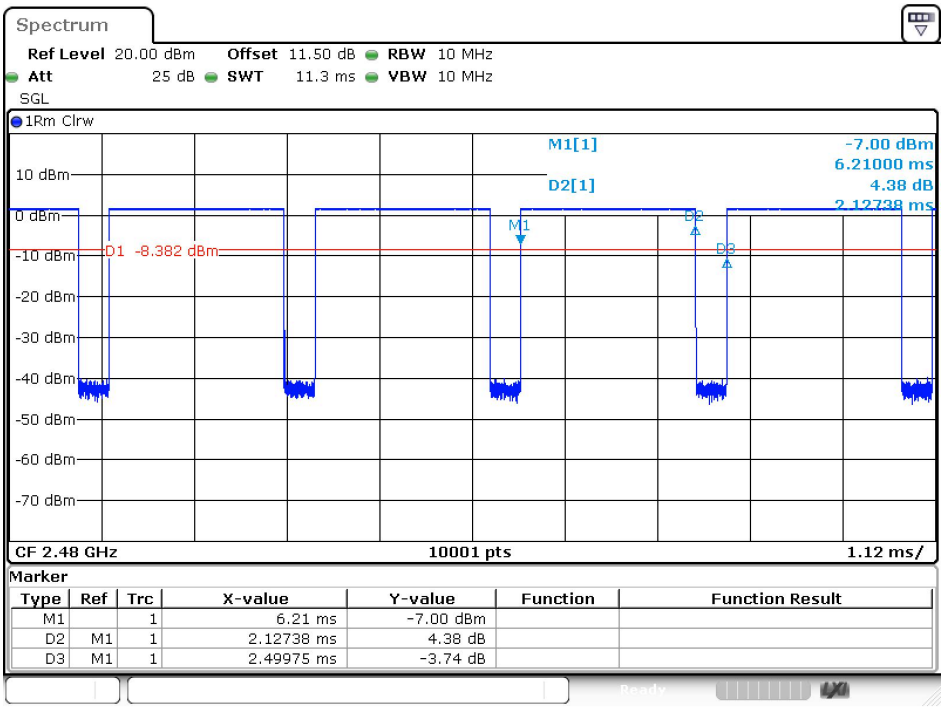
BLE 1M_Channel 19



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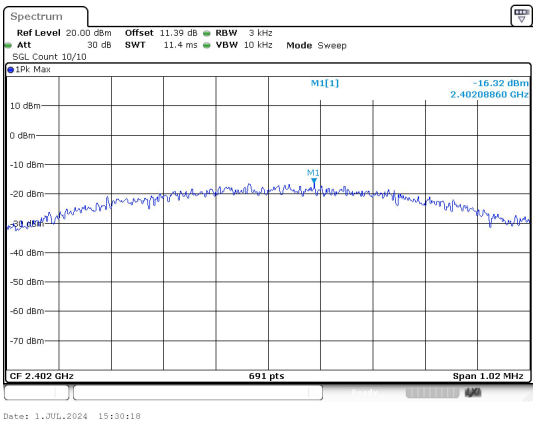
BLE 1M_Channel 39

6) Power Spectral Density

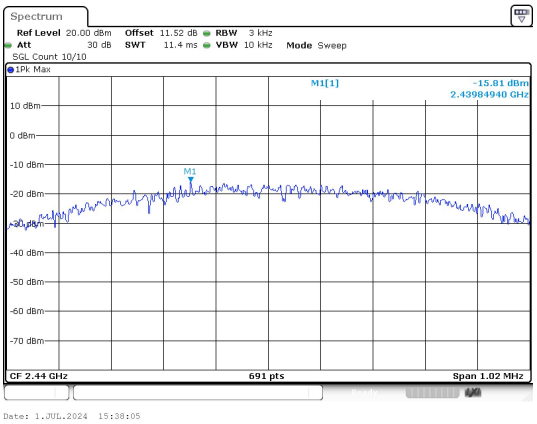
Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
LE	0	-16.324	8	PASS
LE	19	-15.812	8	PASS
LE	39	-15.040	8	PASS

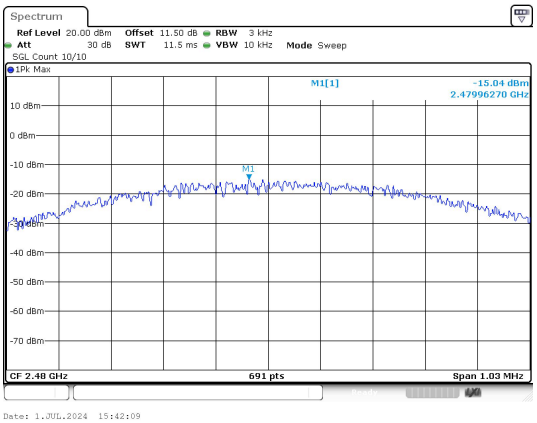
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



BLE 1M_Channel 39