Appendix A

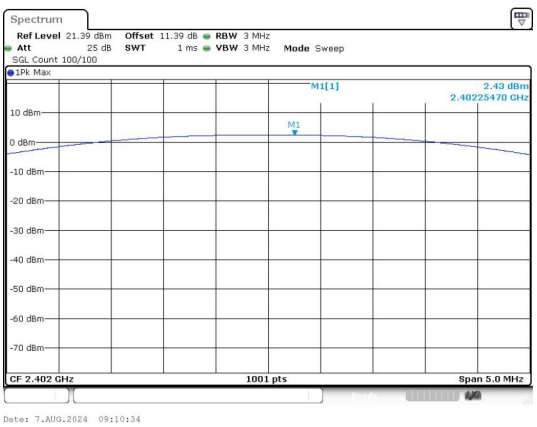
Report No.:	CISRR24070101102
FCC ID:	2BHK3-CONTROLLER
Product Name:	EZXR AR Glasses Controller
Model No.:	EZXR AR Glasses Controller
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

1) Conducted Peak Output Power

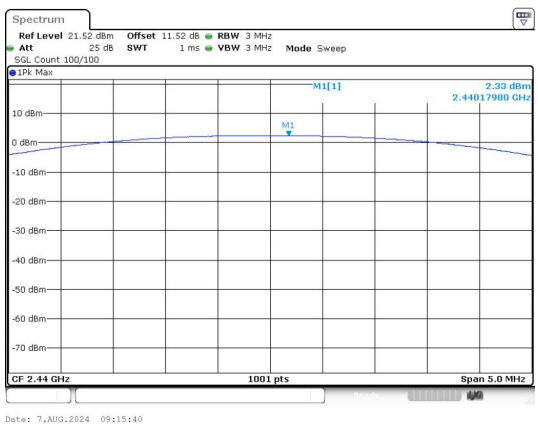
Test Result

Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
GFSK	LE	0	2.43	1.75	30	PASS
		19	2.33	1.71		PASS
		39	2.93	1.96		PASS
GFSK	2LE	0	2.45	1.76		PASS
		19	2.35	1.72		PASS
		39	2.91	1.96		PASS

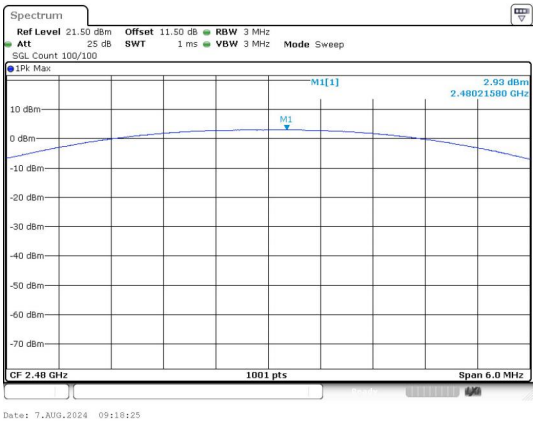
Test Graphs



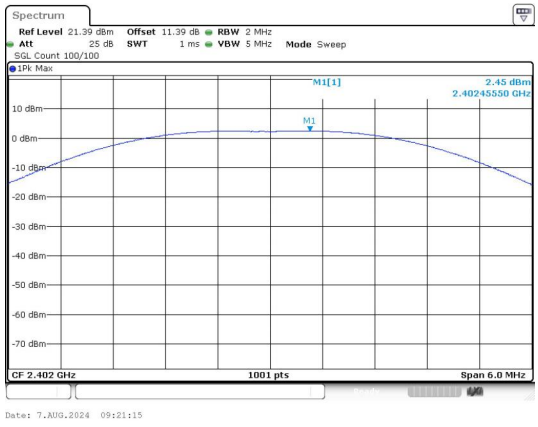
Peak Output Power
BLE 1M_Channel 0



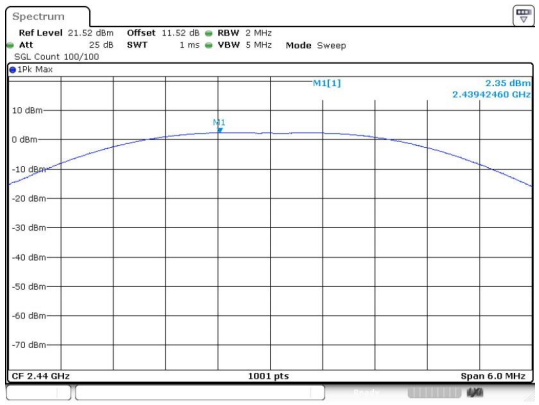
Peak Output Power
BLE 1M_Channel 19



Peak Output Power
BLE 1M_Channel 39

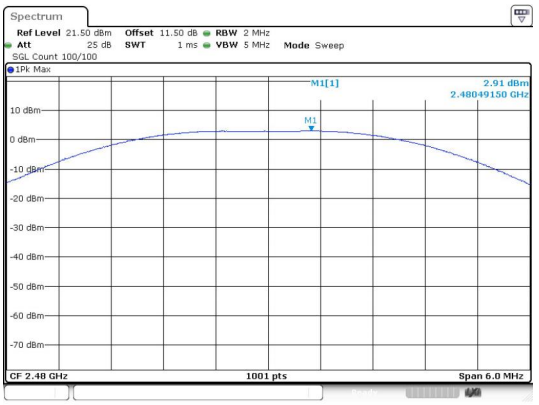


Peak Output Power
BLE 2M_Channel 0



Peak Output Power

BLE 2M_Channel 19



Peak Output Power

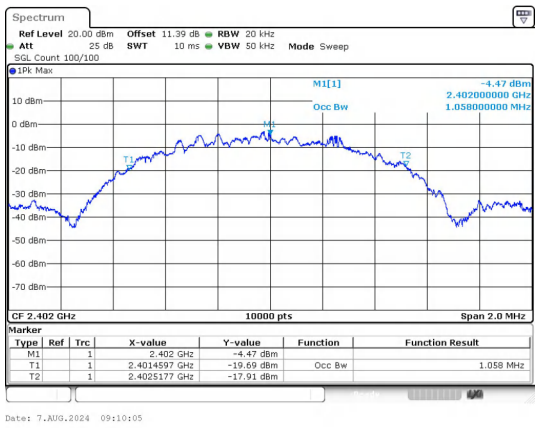
BLE 2M_Channel 39

2) 99% Bandwidth

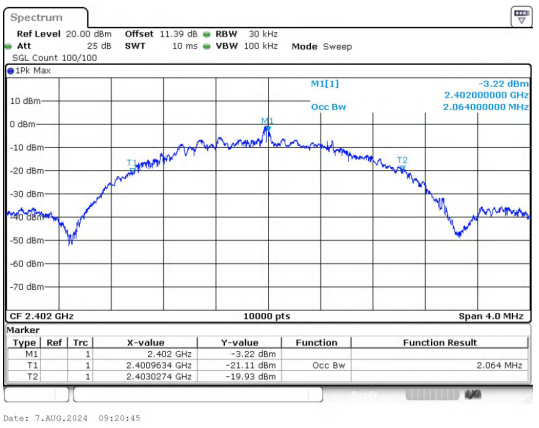
Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0580
BLE 1M	19	2440	1.0578
BLE 1M	39	2480	1.0552
BLE 2M	0	2402	2.0640
BLE 2M	19	2440	2.0592
BLE 2M	39	2480	2.0988

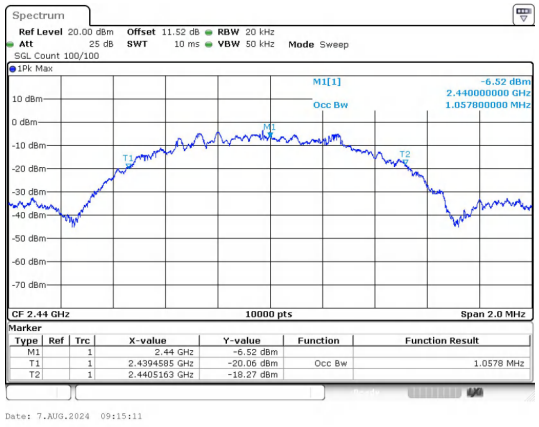
Test Graphs



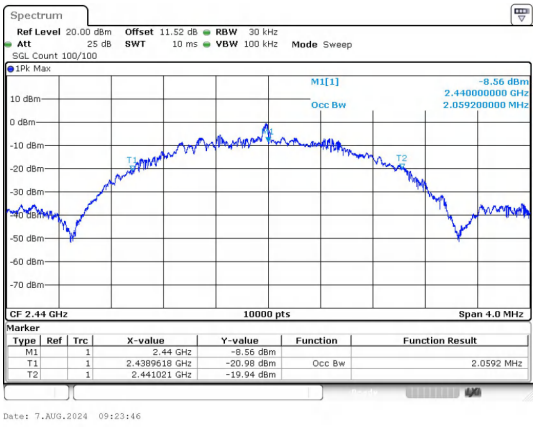
BLE 1M_Channel 0



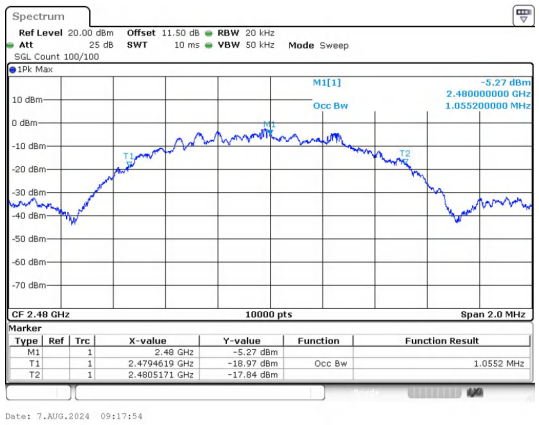
BLE 2M_Channel 0



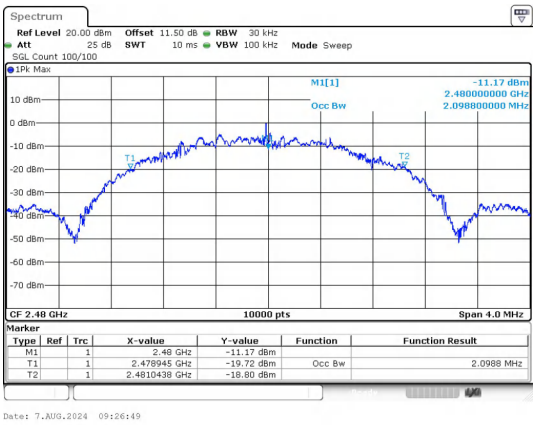
BLE 1M_Channel 19



BLE 2M_Channel 19



BLE 1M_Channel 39



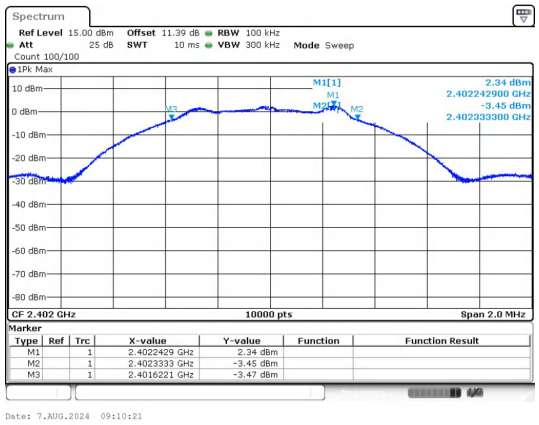
BLE 2M_Channel 39

3) 6dB Bandwidth

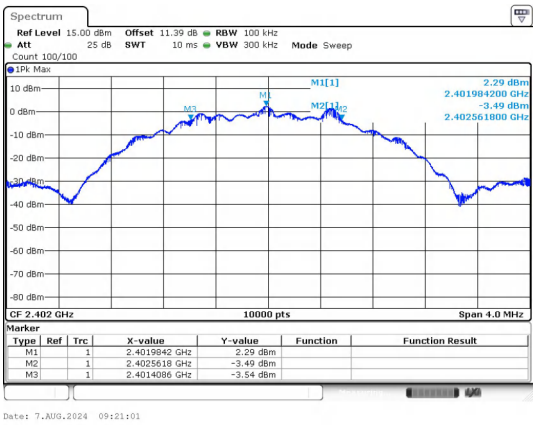
Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.7100	≥0.5	PASS
	19	2440	0.7000		PASS
	39	2480	0.7100		PASS
BLE 2M	0	2402	1.150		PASS
	19	2440	1.150		PASS
	39	2480	1.150		PASS

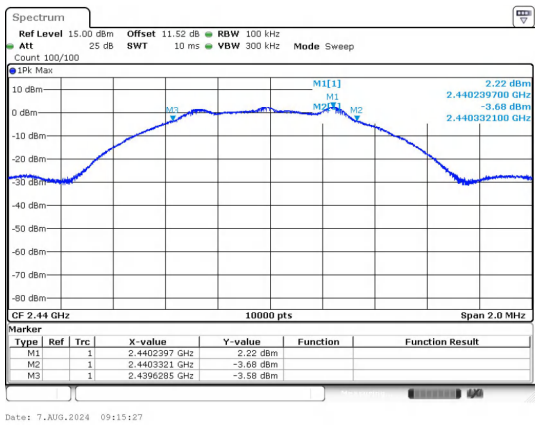
Test Graphs



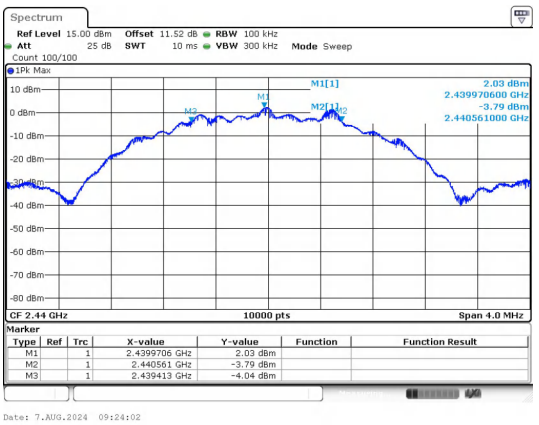
BLE 1M_Channel 0



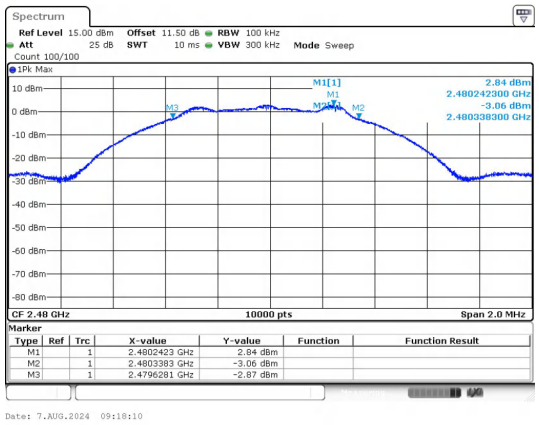
BLE 2M_Channel 0



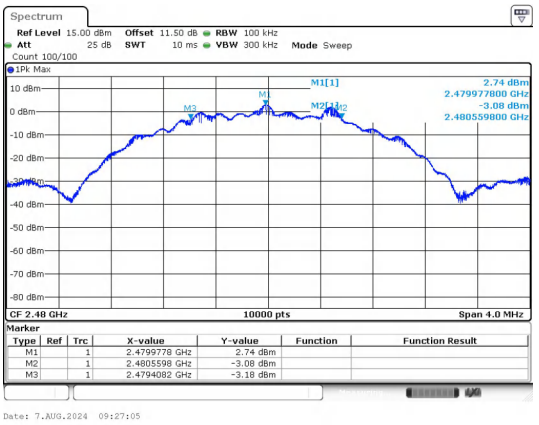
BLE 1M_Channel 19



BLE 2M_Channel 19



BLE 1M_Channel 39



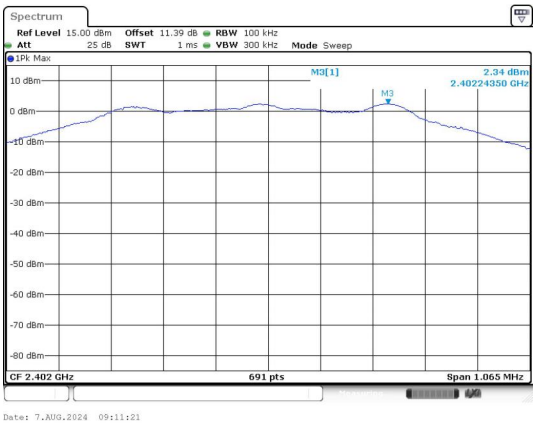
BLE 2M_Channel 39

4) Conducted Out Of Band Emission

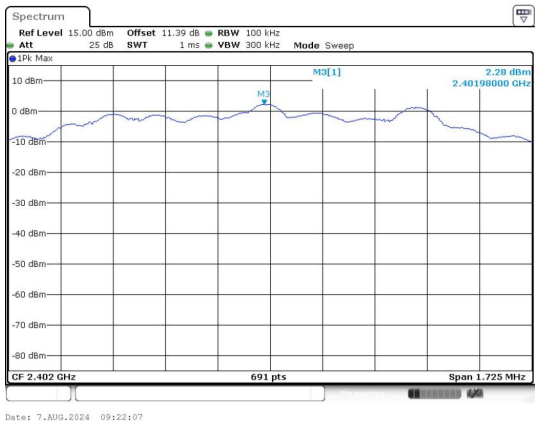
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2398.60	-48.147	-17.66	-30.487	PASS
		2400.00	-48.856	-17.66	-31.196	PASS
		4803.80	-52.290	-17.66	-34.630	PASS
	19	4880.42	-49.603	-17.81	-31.793	PASS
	39	2483.50	-50.631	-17.16	-33.471	PASS
		4959.49	-52.736	-17.16	-35.576	PASS
BLE 2M	0	2400.00	-32.186	-17.72	-14.466	PASS
		4804.68	-53.447	-17.72	-35.727	PASS
	19	4878.76	-49.741	-17.81	-31.931	PASS
	39	2483.50	-48.493	-17.25	-31.243	PASS
		6161.38	-52.516	-17.25	-35.266	PASS

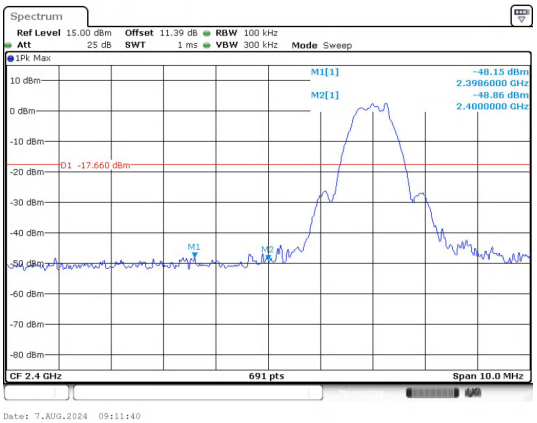
Test Graphs



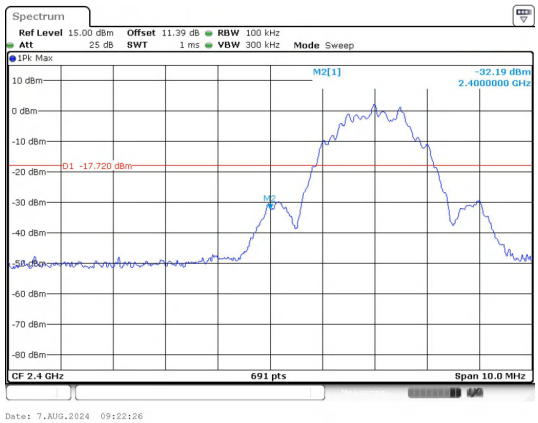
In-Band Reference Level
BLE 1M_Channel 0



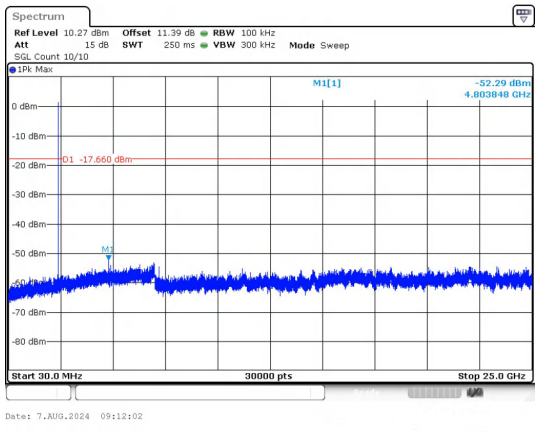
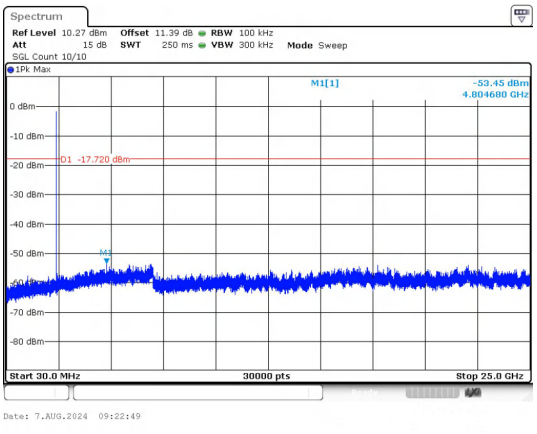
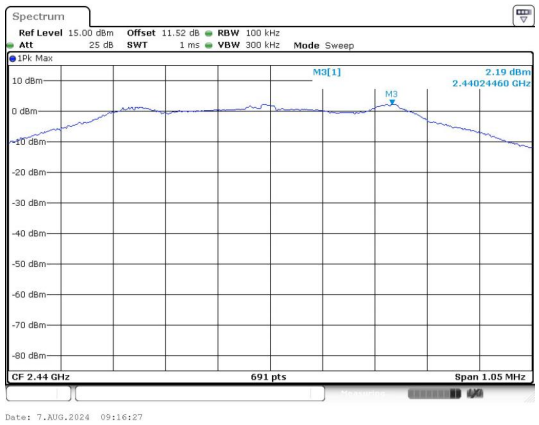
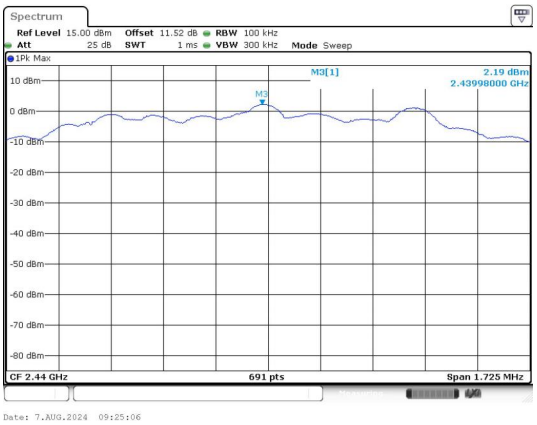
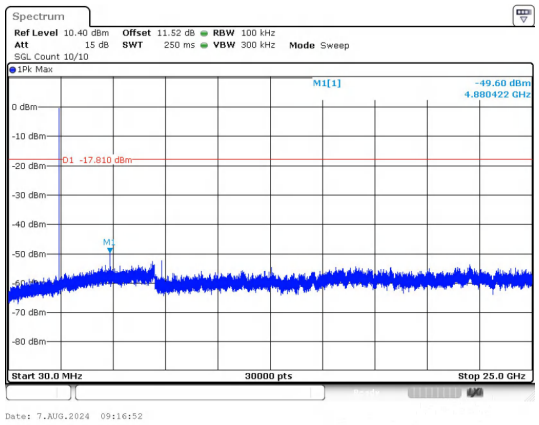
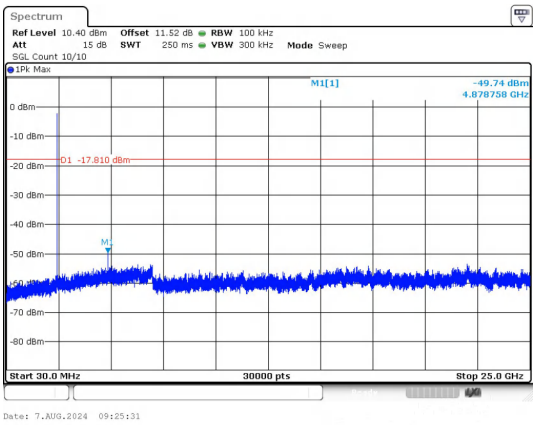
In-Band Reference Level
BLE 2M_Channel 0

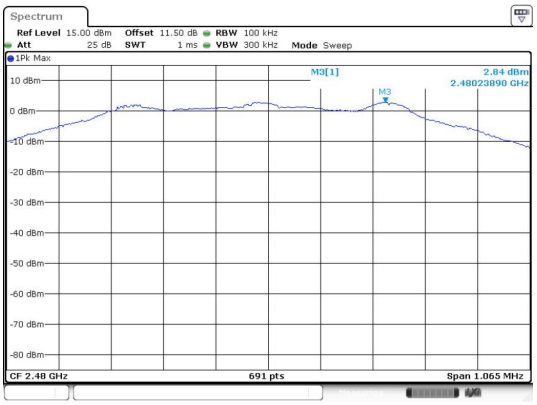


Out Of Band Emission



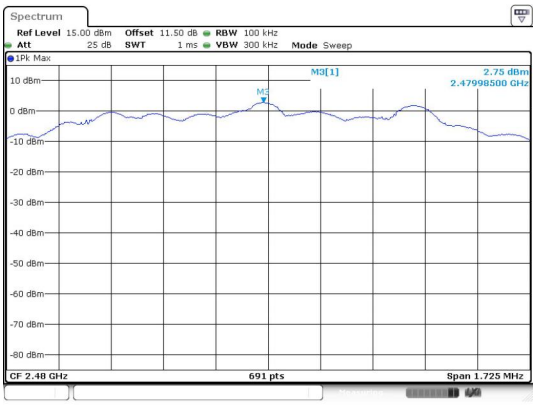
Out Of Band Emission

BLE 1M_Channel 0	BLE 2M_Channel 0
	
30.0 MHz - 25000.0 MHz BLE 1M_Channel 0	30.0 MHz - 25000.0 MHz BLE 2M_Channel 0
	
In-Band Reference Level BLE 1M_Channel 19	In-Band Reference Level BLE 2M_Channel 19
	
30.0 MHz - 25000.0 MHz BLE 1M_Channel 19	30.0 MHz - 25000.0 MHz BLE 2M_Channel 19



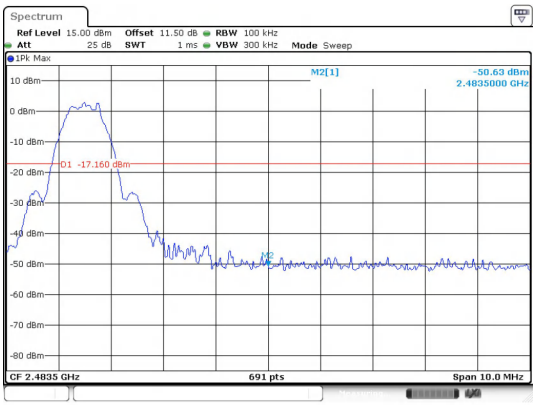
In-Band Reference Level

BLE 1M_Channel 39



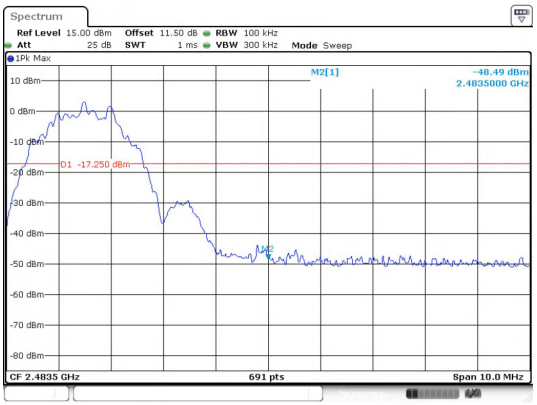
In-Band Reference Level

BLE 2M_Channel 39



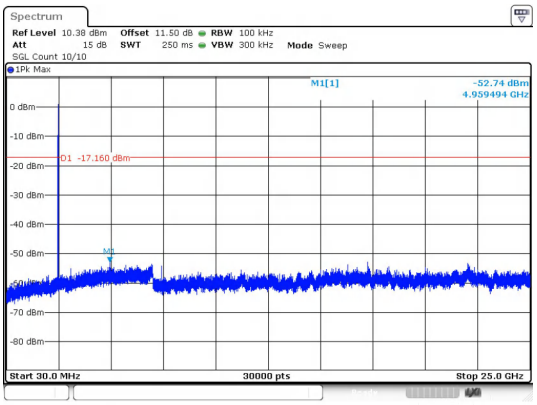
Out Of Band Emission

BLE 1M_Channel 39



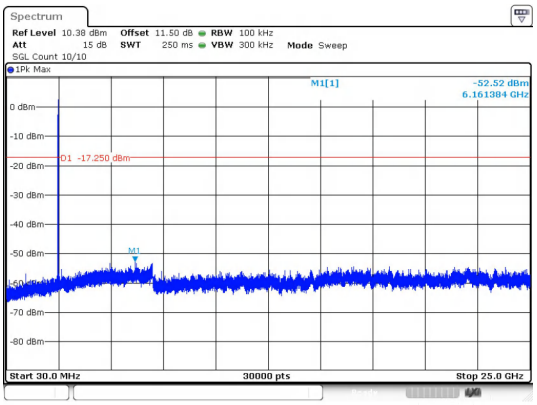
Out Of Band Emission

BLE 2M_Channel 39



30.0 MHz - 25000.0 MHz

BLE 1M_Channel 39



30.0 MHz - 25000.0 MHz

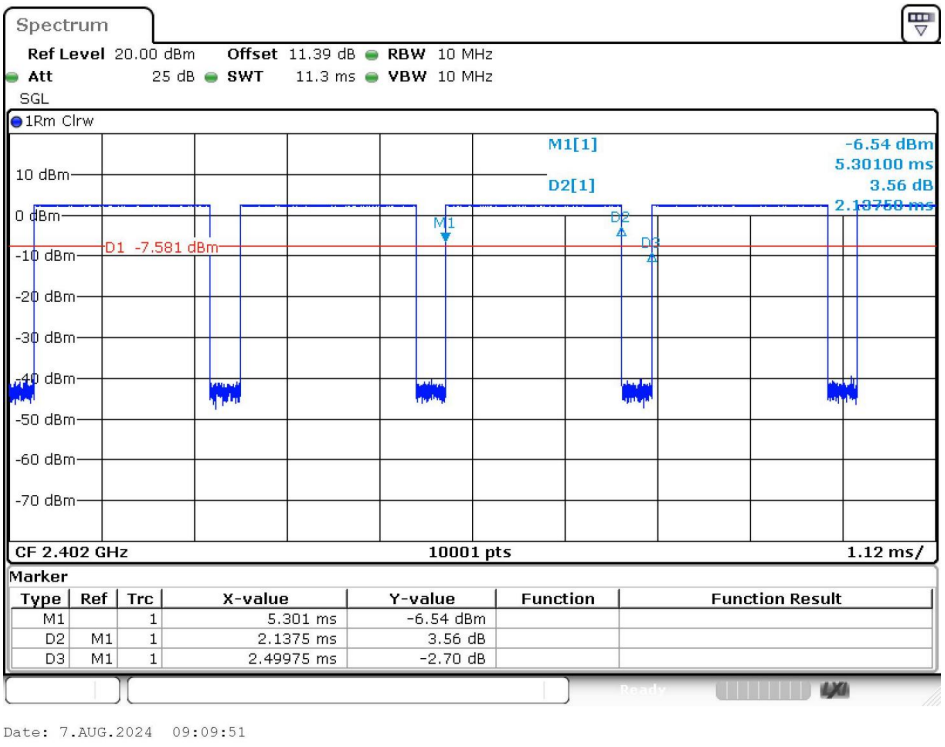
BLE 2M_Channel 39

5) Duty Cycle

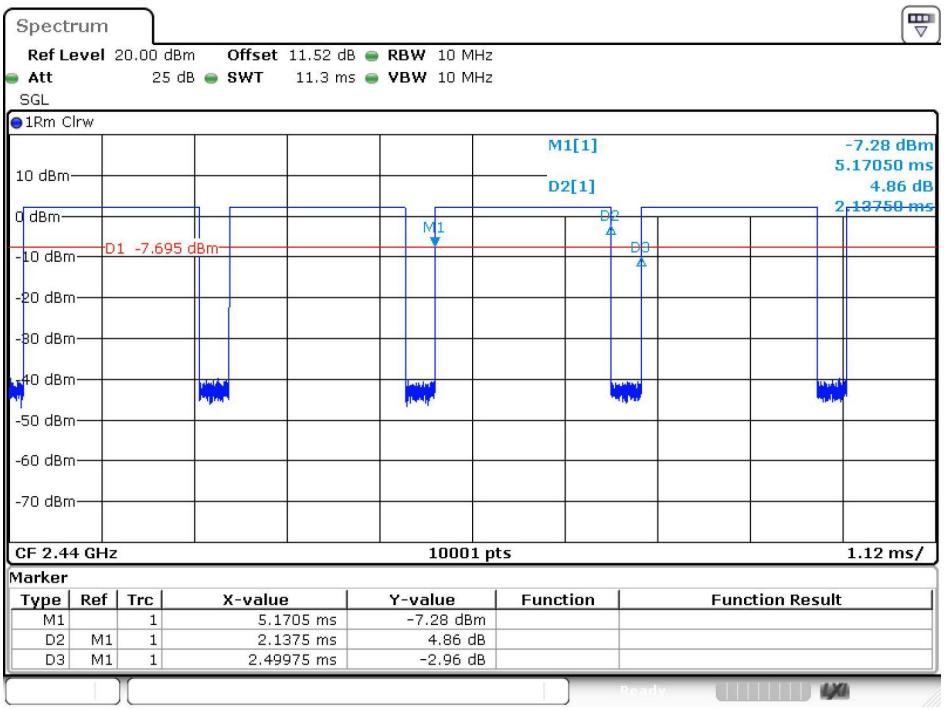
Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	2.137	2.500	85.51	0.8551	0.6798	0.47
	19	2.138	2.500	85.51	0.8551	0.6798	0.47
	39	2.137	2.499	85.55	0.8555	0.6778	0.47
BLE 2M	0	1.079	1.874	57.56	0.5756	2.3988	0.93
	19	1.079	1.873	57.60	0.5760	2.3958	0.93
	39	1.079	1.874	57.56	0.5756	2.3988	0.93

Test Graphs

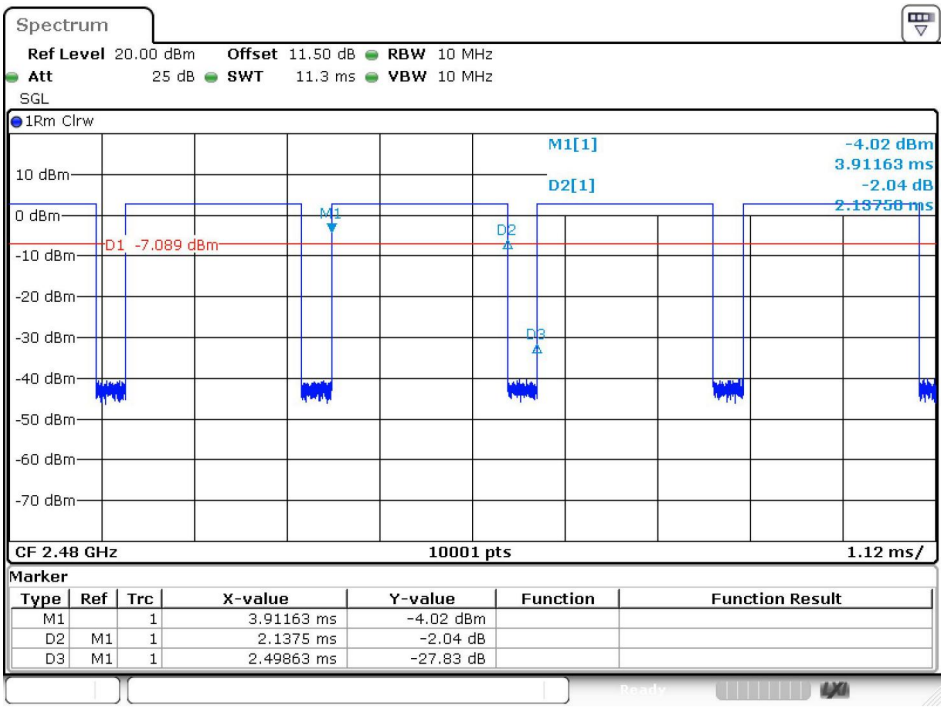


BLE 1M_Channel 0



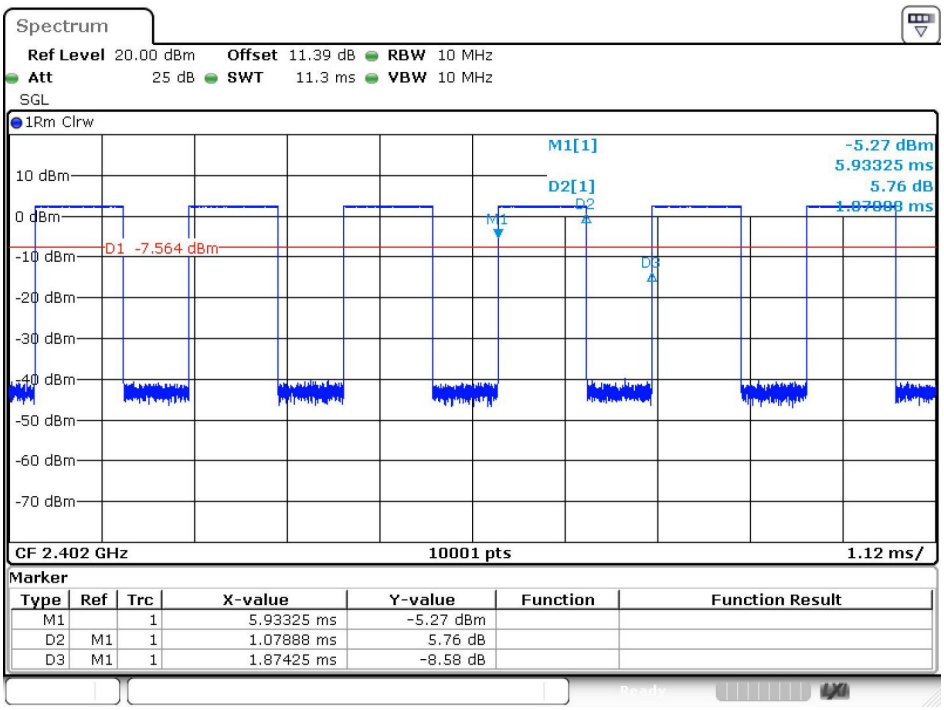
Date: 7.AUG.2024 09:14:57

BLE 1M_Channel 19



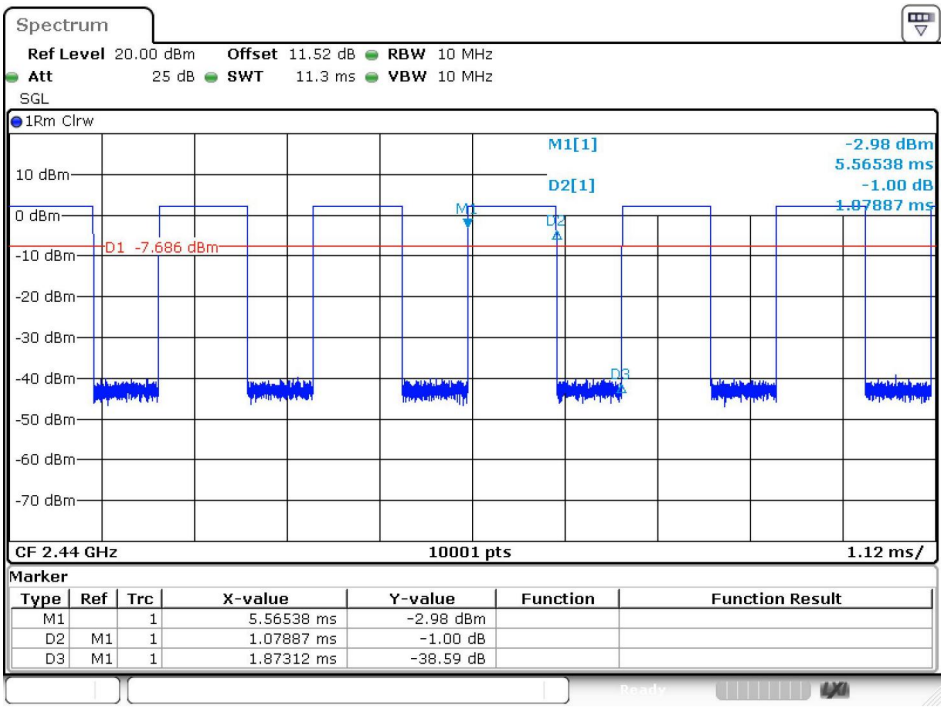
Date: 7.AUG.2024 09:17:40

BLE 1M_Channel 39



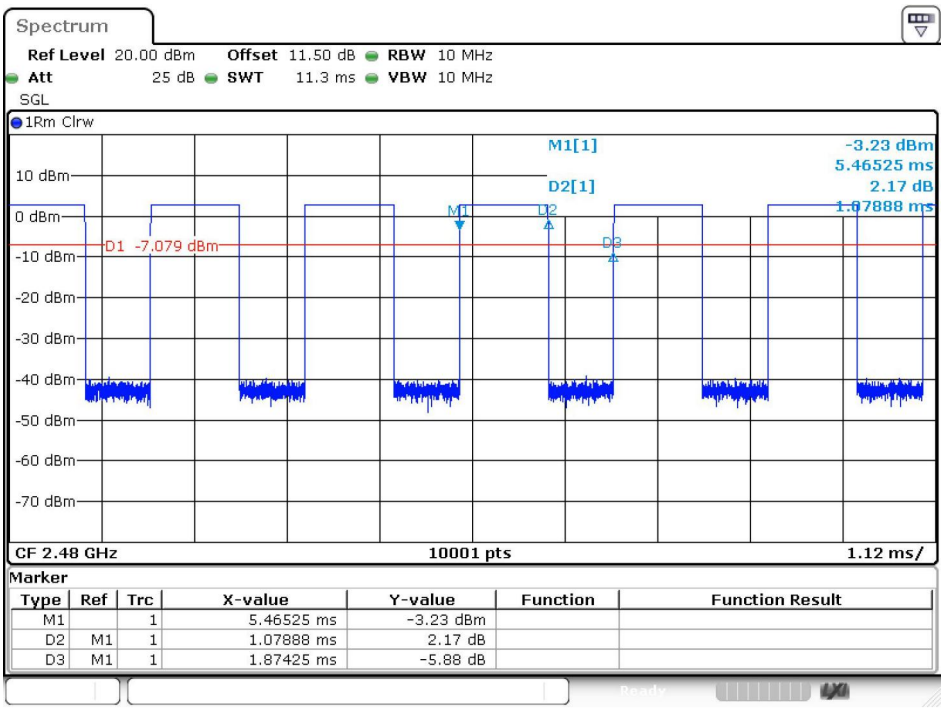
Date: 7.AUG.2024 09:20:31

BLE 2M_Channel 0



Date: 7.AUG.2024 09:23:32

BLE 2M_Channel 19



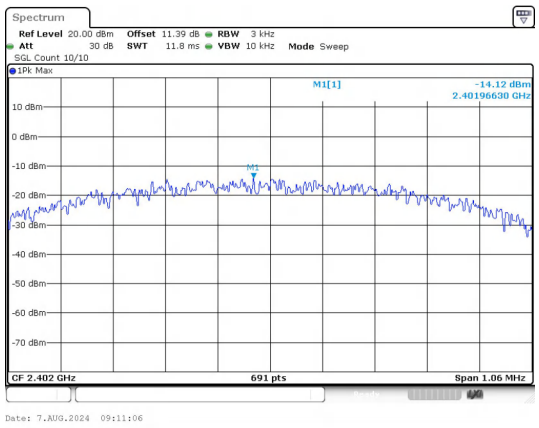
BLE 2M_Channel 39

6) Power Spectral Density

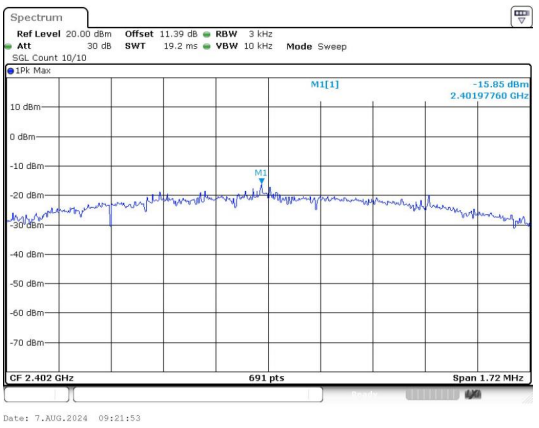
Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-14.12	≤8	PASS
BLE 1M	19	-14.02	≤8	PASS
BLE 1M	39	-13.26	≤8	PASS
BLE 2M	0	-15.85	≤8	PASS
BLE 2M	19	-17.54	≤8	PASS
BLE 2M	39	-16.21	≤8	PASS

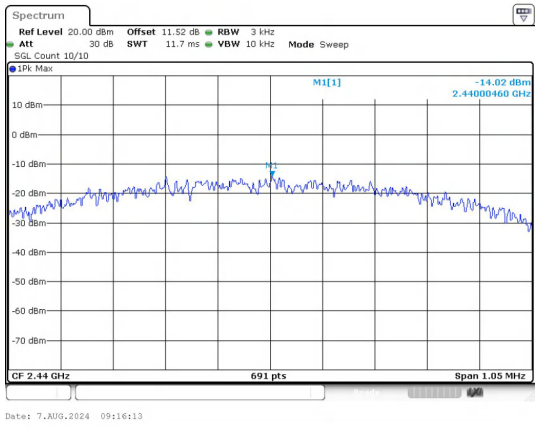
Test Graphs



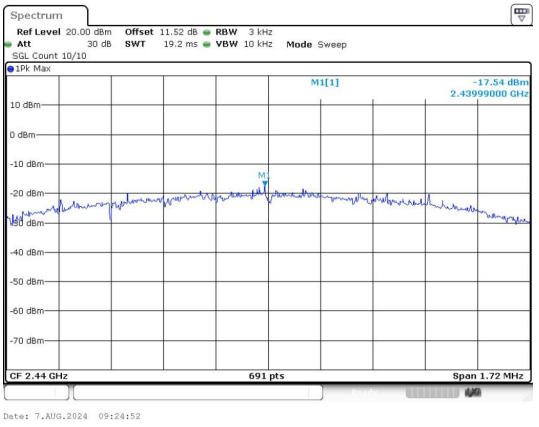
BLE 1M_Channel 0



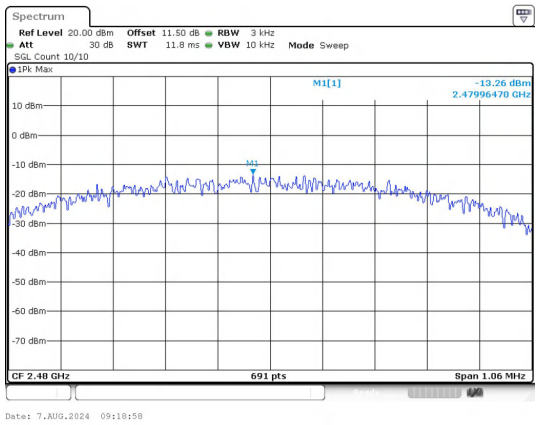
BLE 2M_Channel 0



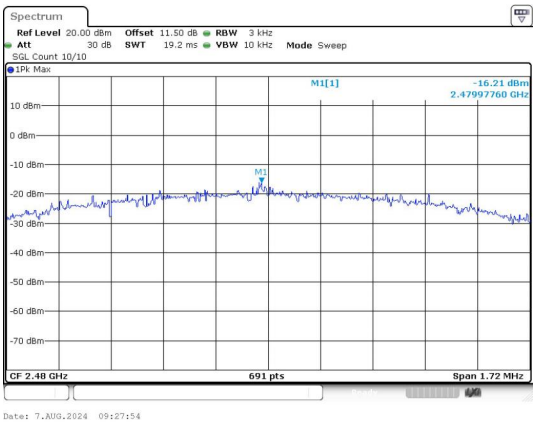
BLE 1M_Channel 19



BLE 2M_Channel 19



BLE 1M_Channel 39



BLE 2M_Channel 39