

Appendix A

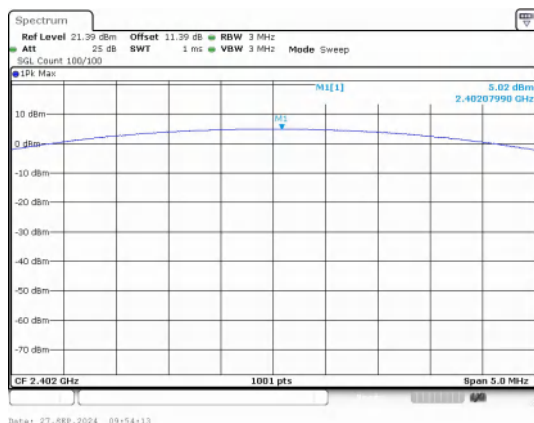
Report No.:	CISRR24092524601
FCC ID:	R56-F44311
Product Name:	Bluetooth noise-cancelling headphones
Model No.:	EH15
Test Engineer:	Mark Fu
Supervised by:	Rory Huang

1) Conducted Output Power

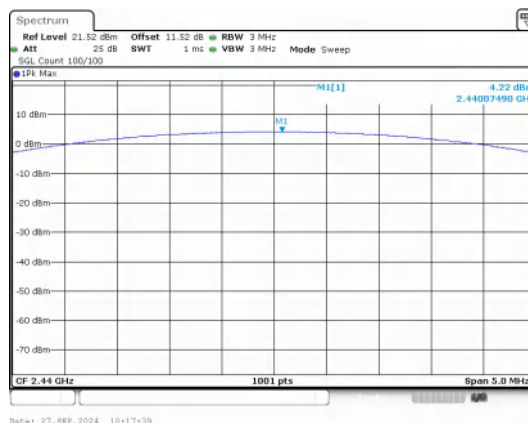
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	5.02	3.17	≤30	PASS
	19	4.22	2.64	≤30	PASS
	39	5.09	3.23	≤30	PASS
BLE 2M	0	5.60	3.63	≤30	PASS
	19	4.87	3.07	≤30	PASS
	39	5.78	3.79	≤30	PASS

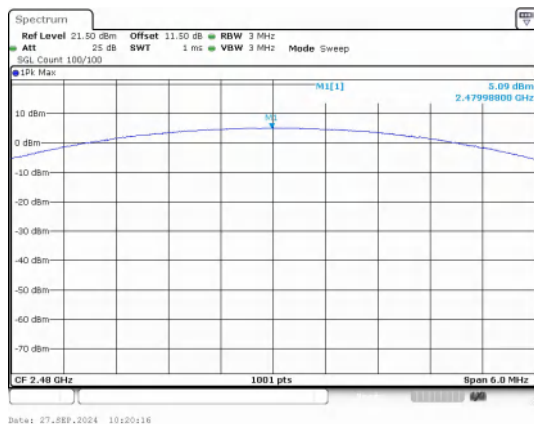
Test Graphs



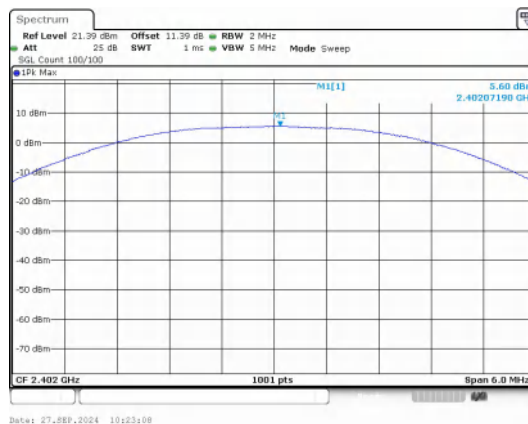
Peak Output Power
BLE 1M_Channel 0



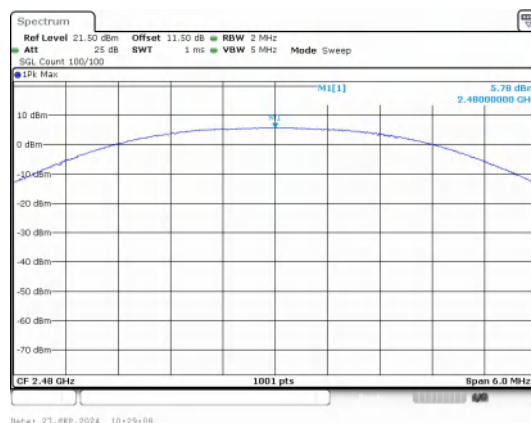
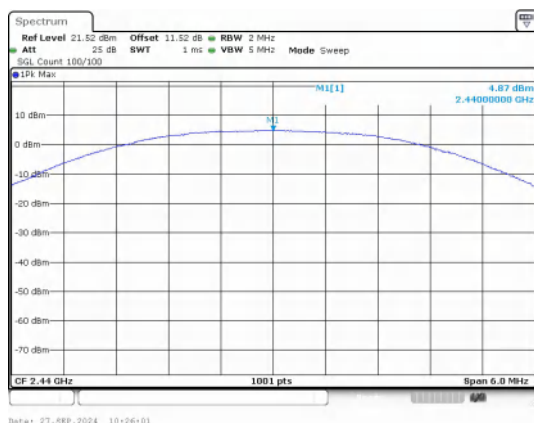
Peak Output Power
BLE 1M_Channel 19



Peak Output Power
BLE 1M_Channel 39



Peak Output Power
BLE 2M_Channel 0

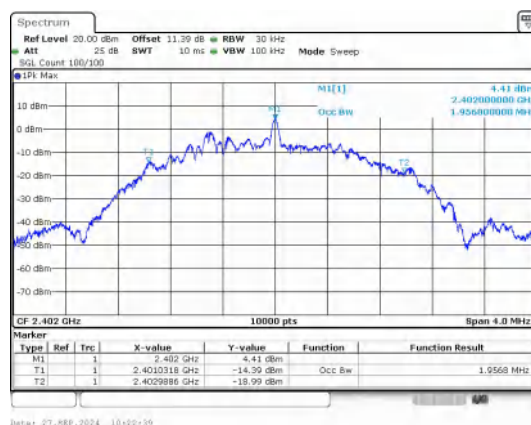
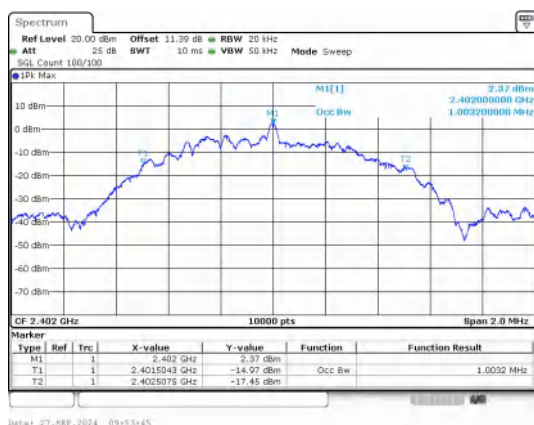


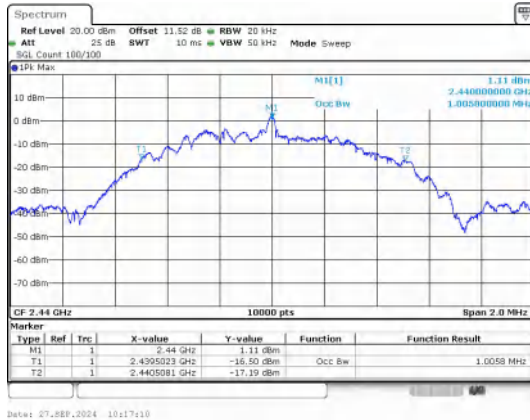
2) 99% Bandwidth

Test Result

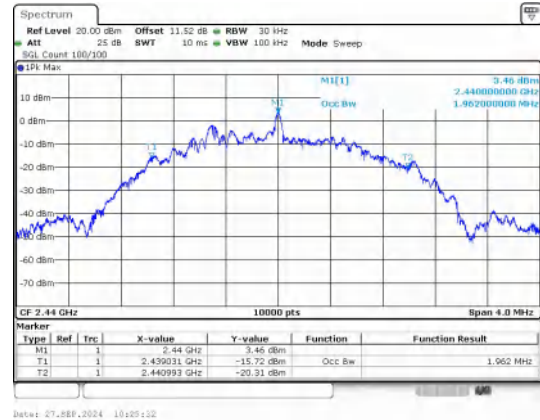
Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0032
BLE 1M	19	2440	1.0058
BLE 1M	39	2480	1.0026
BLE 2M	0	2402	1.9568
BLE 2M	19	2440	1.9620
BLE 2M	39	2480	1.9632

Test Graphs

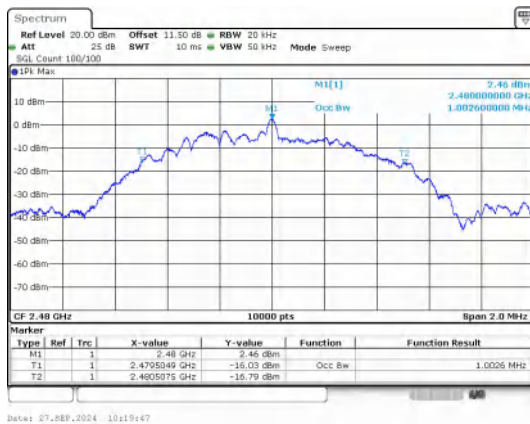




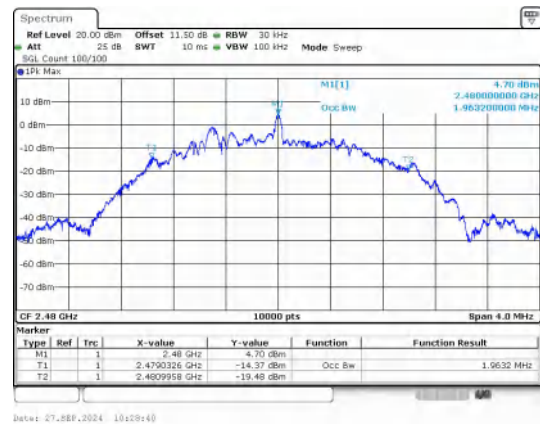
BLE 1M_Channel 19



BLE 2M_Channel 19



BLE 1M_Channel 39



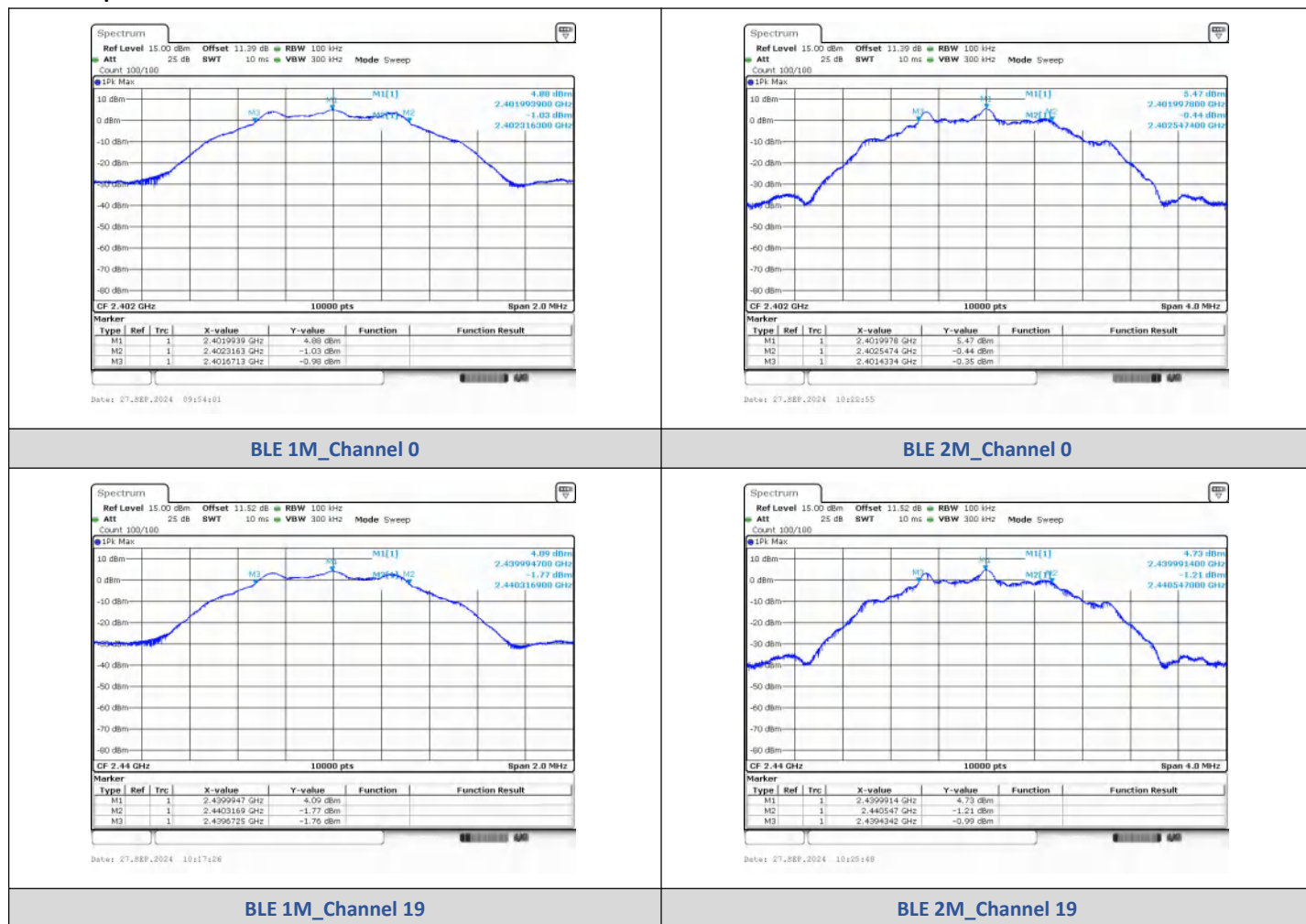
BLE 2M_Channel 39

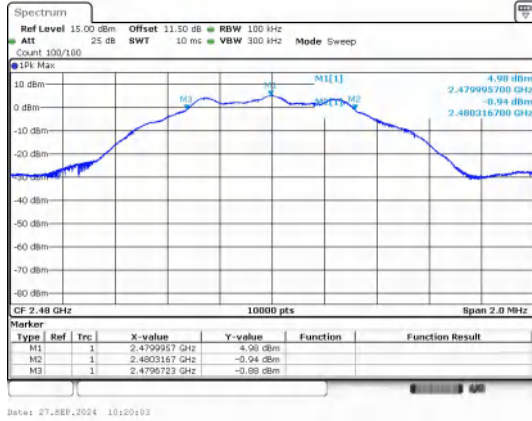
3) 6dB Bandwidth

Test Result

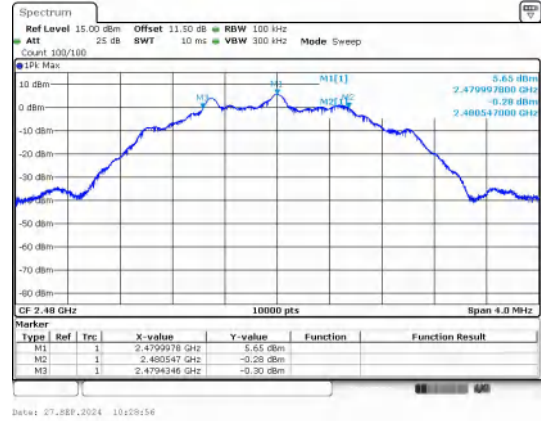
Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6500	≥0.5	PASS
	19	2440	0.6500		PASS
	39	2480	0.6500		PASS
BLE 2M	0	2402	1.120		PASS
	19	2440	1.120		PASS
	39	2480	1.120		PASS

Test Graphs





BLE 1M_Channel 39



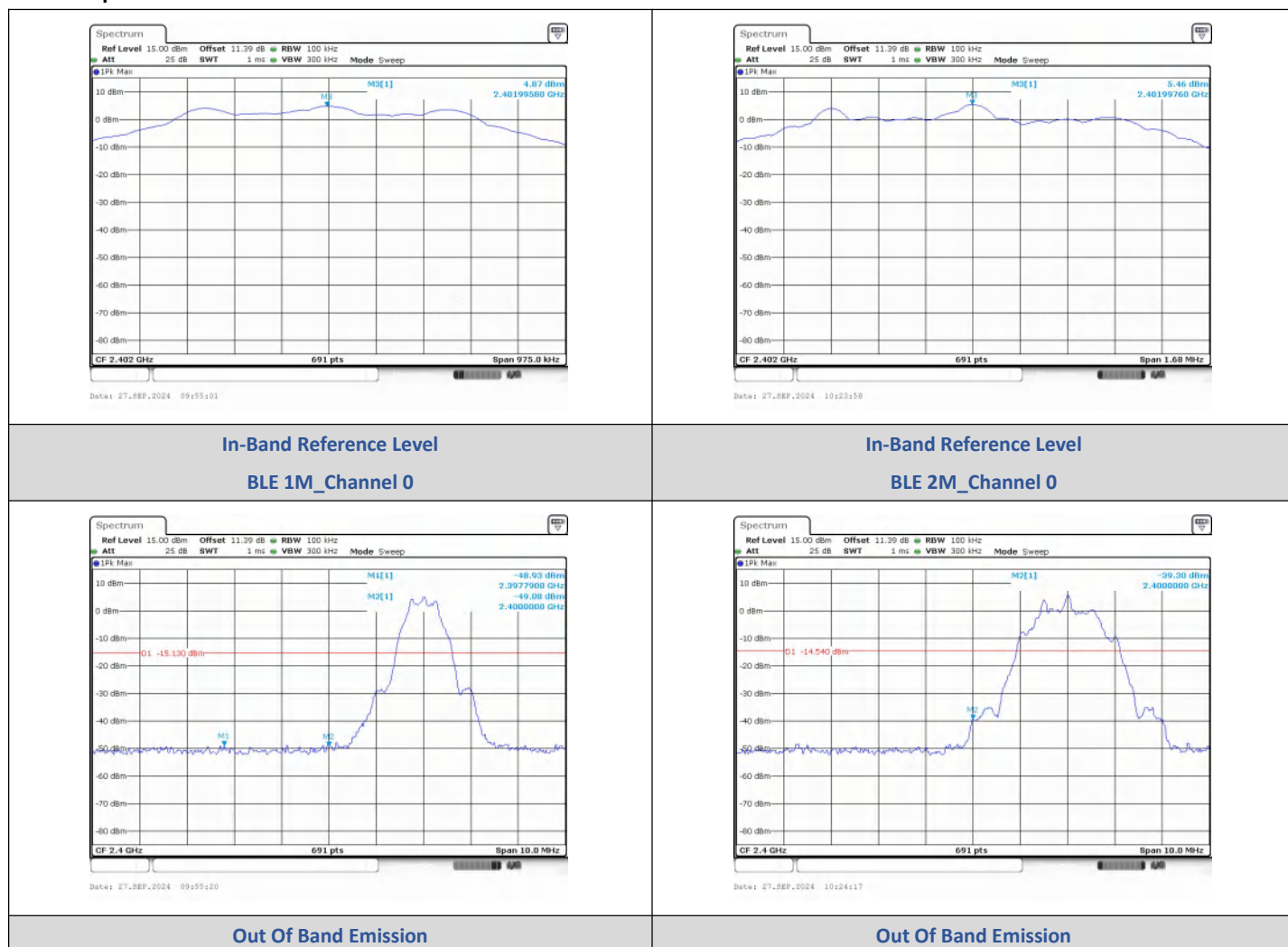
BLE 2M_Channel 39

4) Conducted Out Of Band Emission

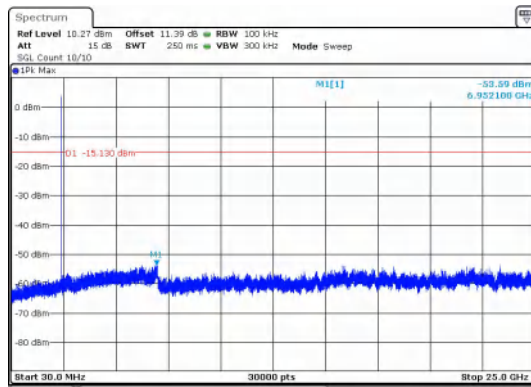
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2397.79	-48.932	-15.13	-33.802	PASS
		2400.00	-49.082	-15.13	-33.952	PASS
		6952.10	-53.592	-15.13	-38.462	PASS
	19	6269.59	-52.058	-15.9	-36.158	PASS
		2483.50	-49.865	-15.03	-34.835	PASS
		6980.40	-52.900	-15.03	-37.870	PASS
BLE 2M	0	2400.00	-39.301	-14.54	-24.761	PASS
		6964.59	-52.666	-14.54	-38.126	PASS
	19	6912.98	-52.586	-15.27	-37.316	PASS
		2483.50	-50.988	-14.35	-36.638	PASS
	39	21992.4	-53.187	-14.35	-38.837	PASS

Test Graphs

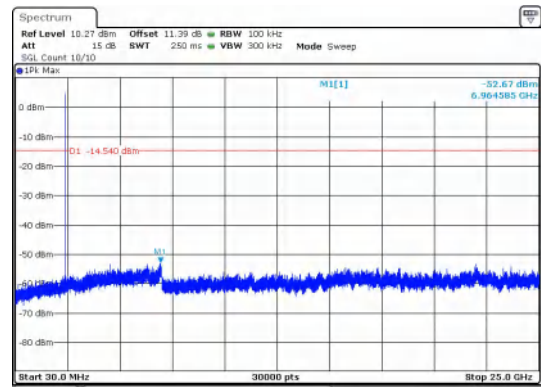


BLE 1M_Channel 0



Date: 27 SEP, 2024 09:55:42

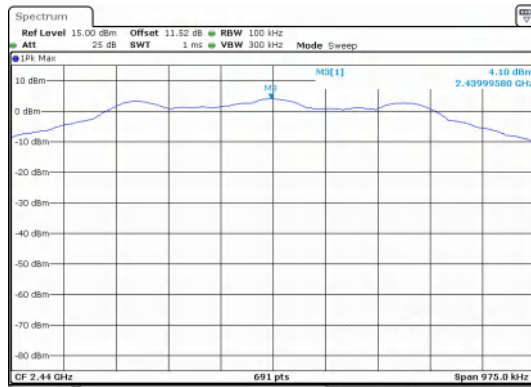
BLE 2M_Channel 0



Date: 27 SEP, 2024 10:24:40

30.0 MHz - 25000.0 MHz

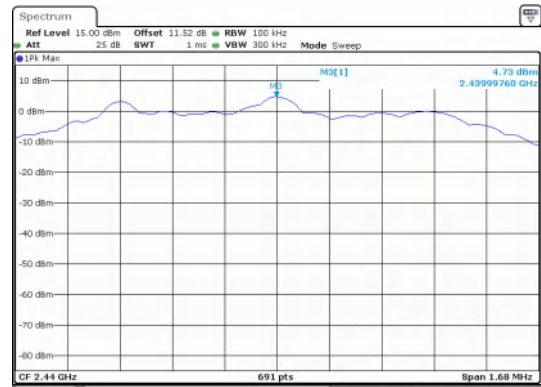
BLE 1M_Channel 0



Date: 27 SEP, 2024 10:18:27

30.0 MHz - 25000.0 MHz

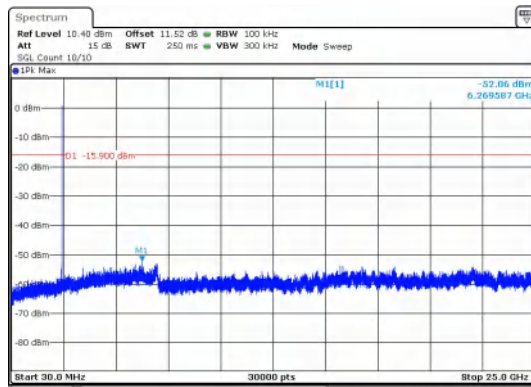
BLE 2M_Channel 0



Date: 27 SEP, 2024 10:26:51

In-Band Reference Level

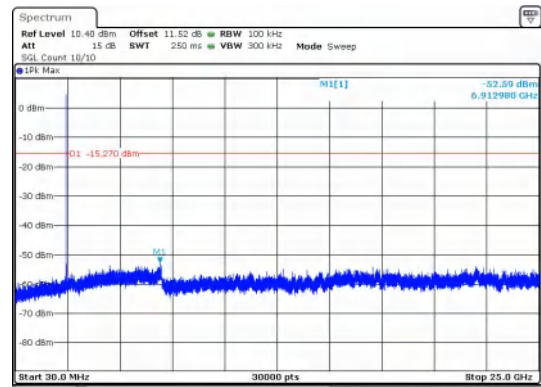
BLE 1M_Channel 19



Date: 27 SEP, 2024 10:18:51

In-Band Reference Level

BLE 2M_Channel 19



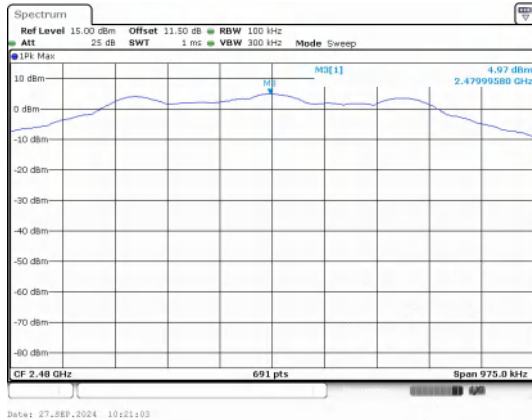
Date: 27 SEP, 2024 10:27:15

30.0 MHz - 25000.0 MHz

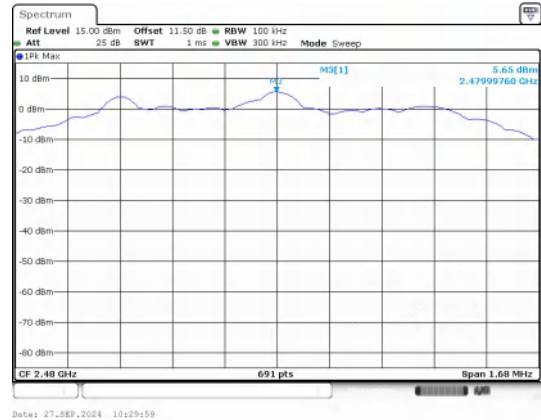
BLE 1M_Channel 19

30.0 MHz - 25000.0 MHz

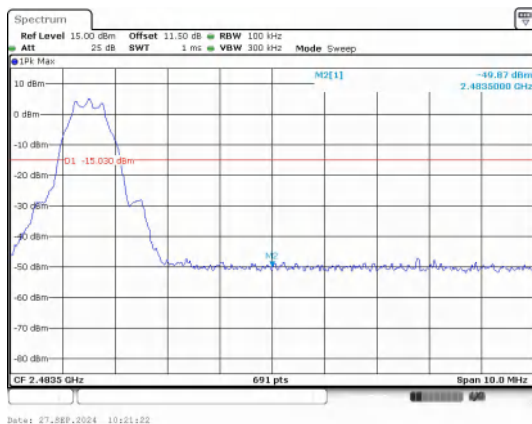
BLE 2M_Channel 19



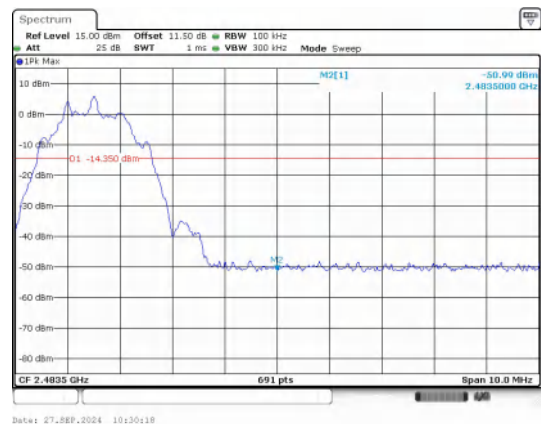
**In-Band Reference Level
BLE 1M_Channel 39**



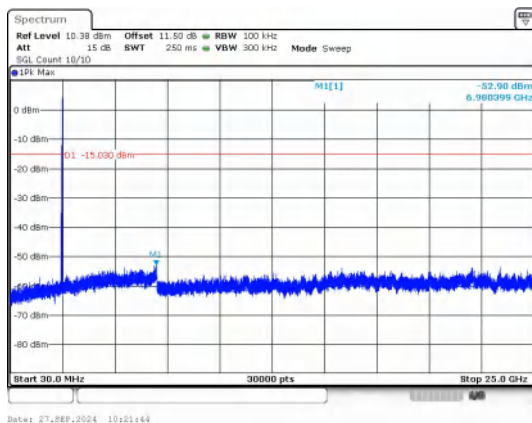
**In-Band Reference Level
BLE 2M_Channel 39**



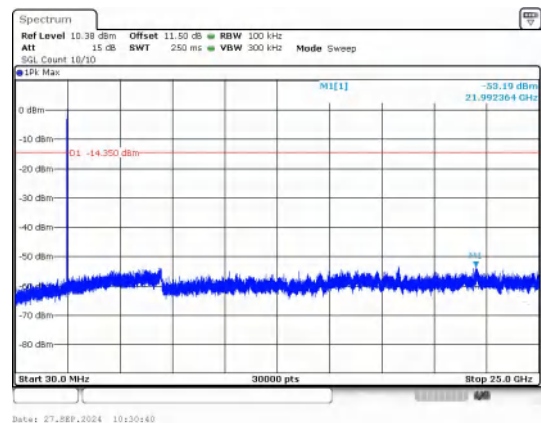
**Out Of Band Emission
BLE 1M_Channel 39**



**Out Of Band Emission
BLE 2M_Channel 39**



**30.0 MHz - 25000.0 MHz
BLE 1M_Channel 39**



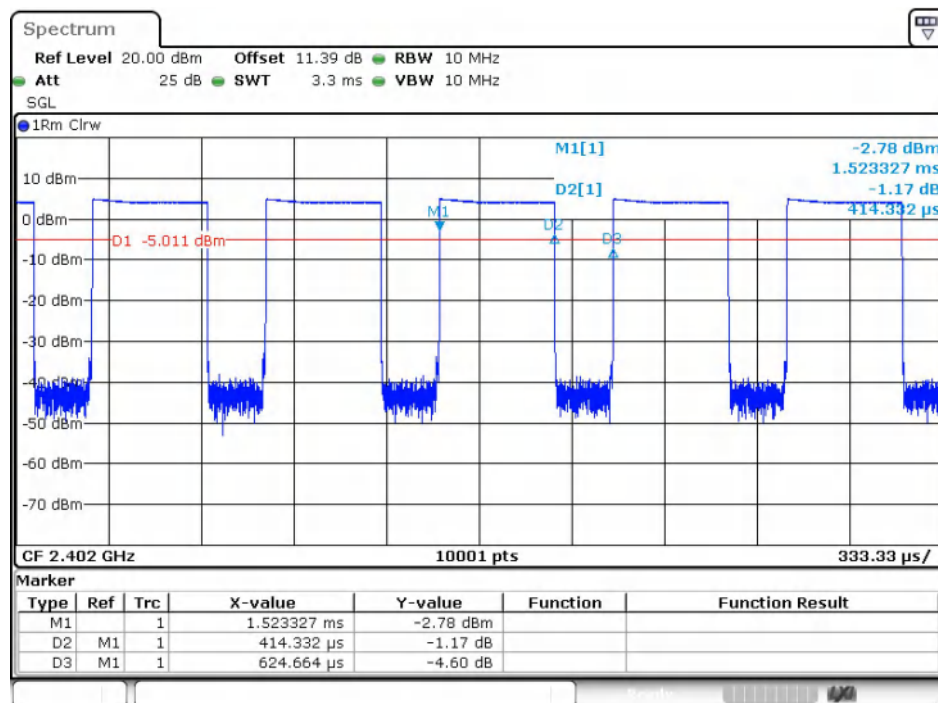
**30.0 MHz - 25000.0 MHz
BLE 2M_Channel 39**

5) Duty Cycle

Test Result

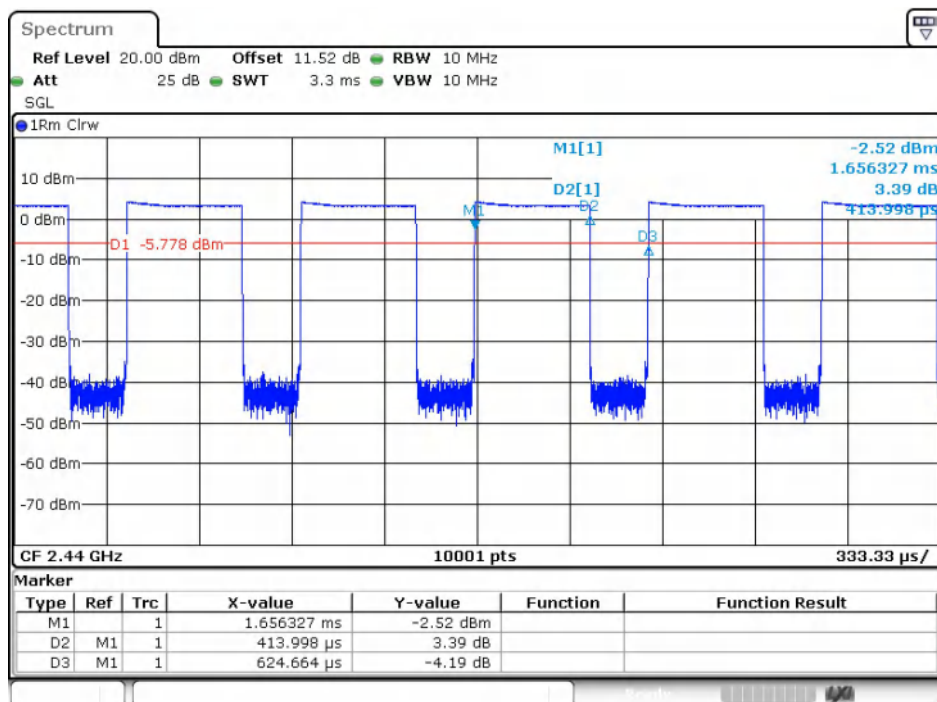
Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	0.414	0.625	66.33	0.6633	1.7829	2.42
	19	0.414	0.625	66.28	0.6628	1.7862	2.42
	39	0.414	0.625	66.33	0.6633	1.7829	2.42
BLE 2M	0	0.230	0.625	36.82	0.3682	4.3392	4.35
	19	0.230	0.625	36.82	0.3682	4.3392	4.35
	39	0.230	0.625	36.87	0.3687	4.3333	4.35

Test Graphs



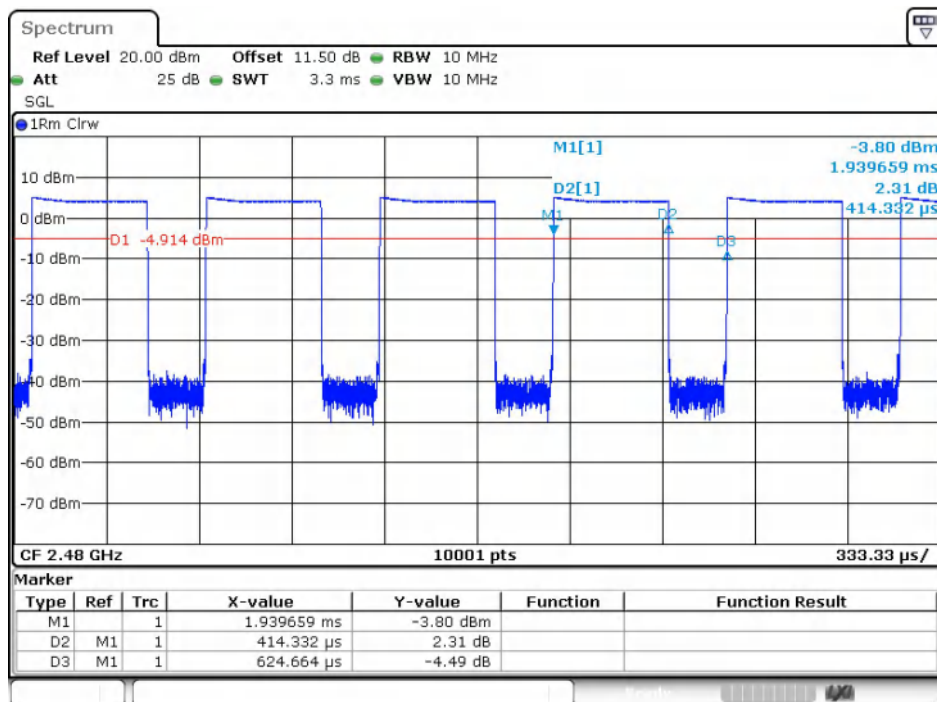
Date: 27.SEP.2024 09:53:31

BLE 1M_Channel 0



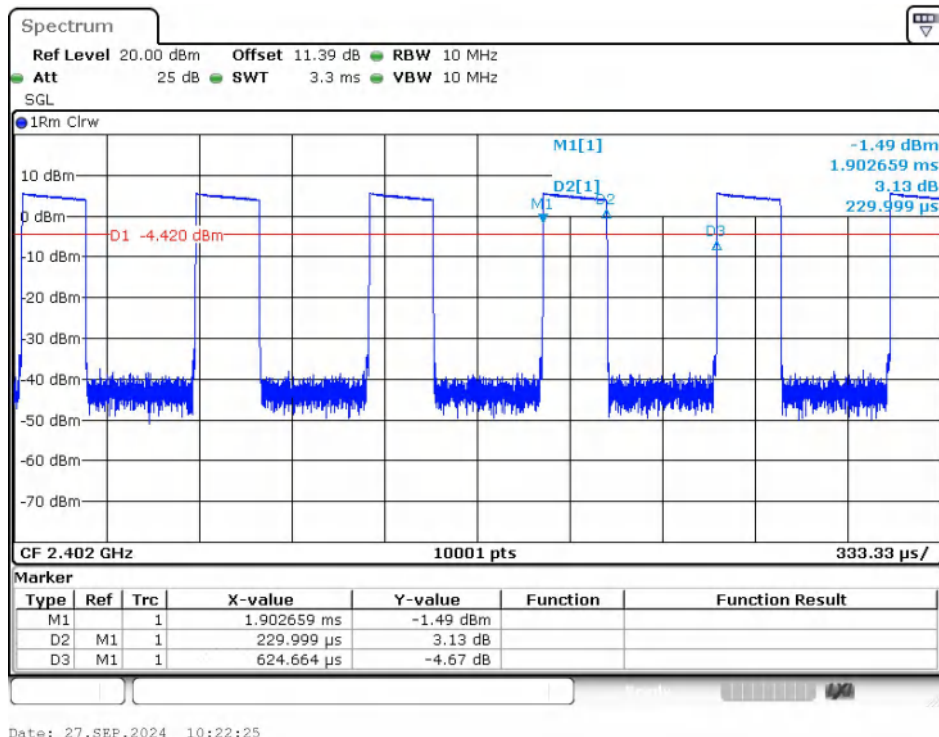
Date: 27.SEP.2024 10:16:56

BLE 1M_Channel 19

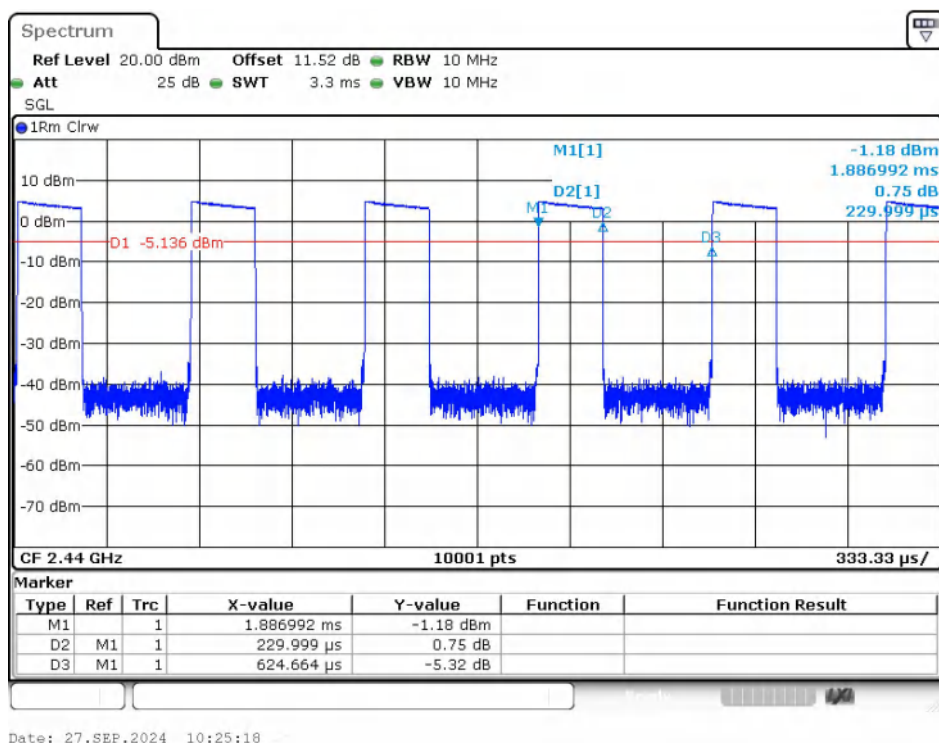


Date: 27.SEP.2024 10:19:33

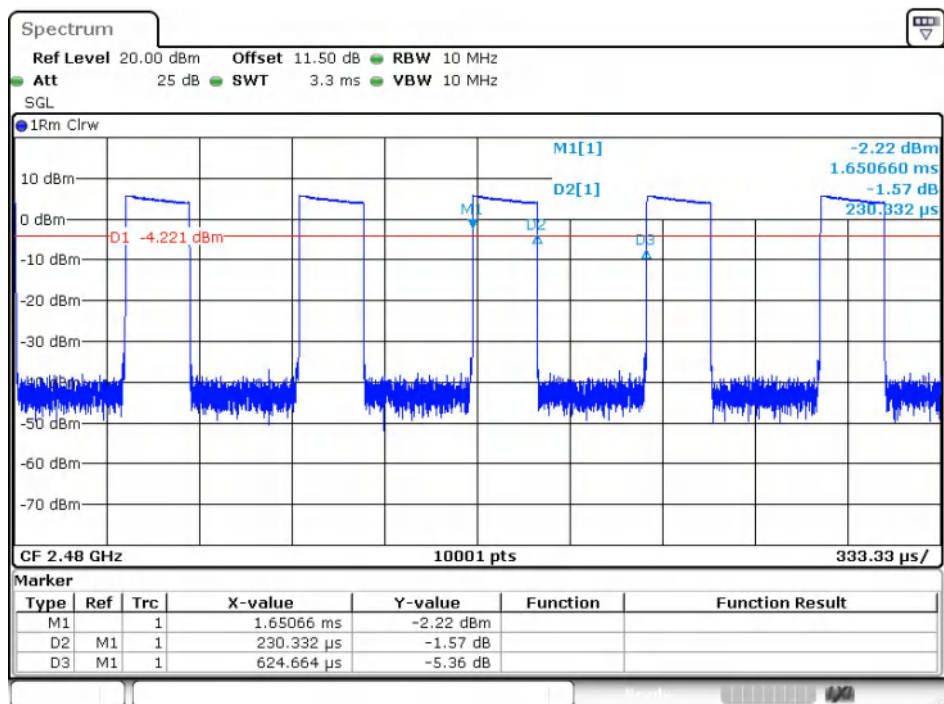
BLE 1M_Channel 39



BLE 2M_Channel 0



BLE 2M_Channel 19



Date: 27.SEP.2024 10:28:26

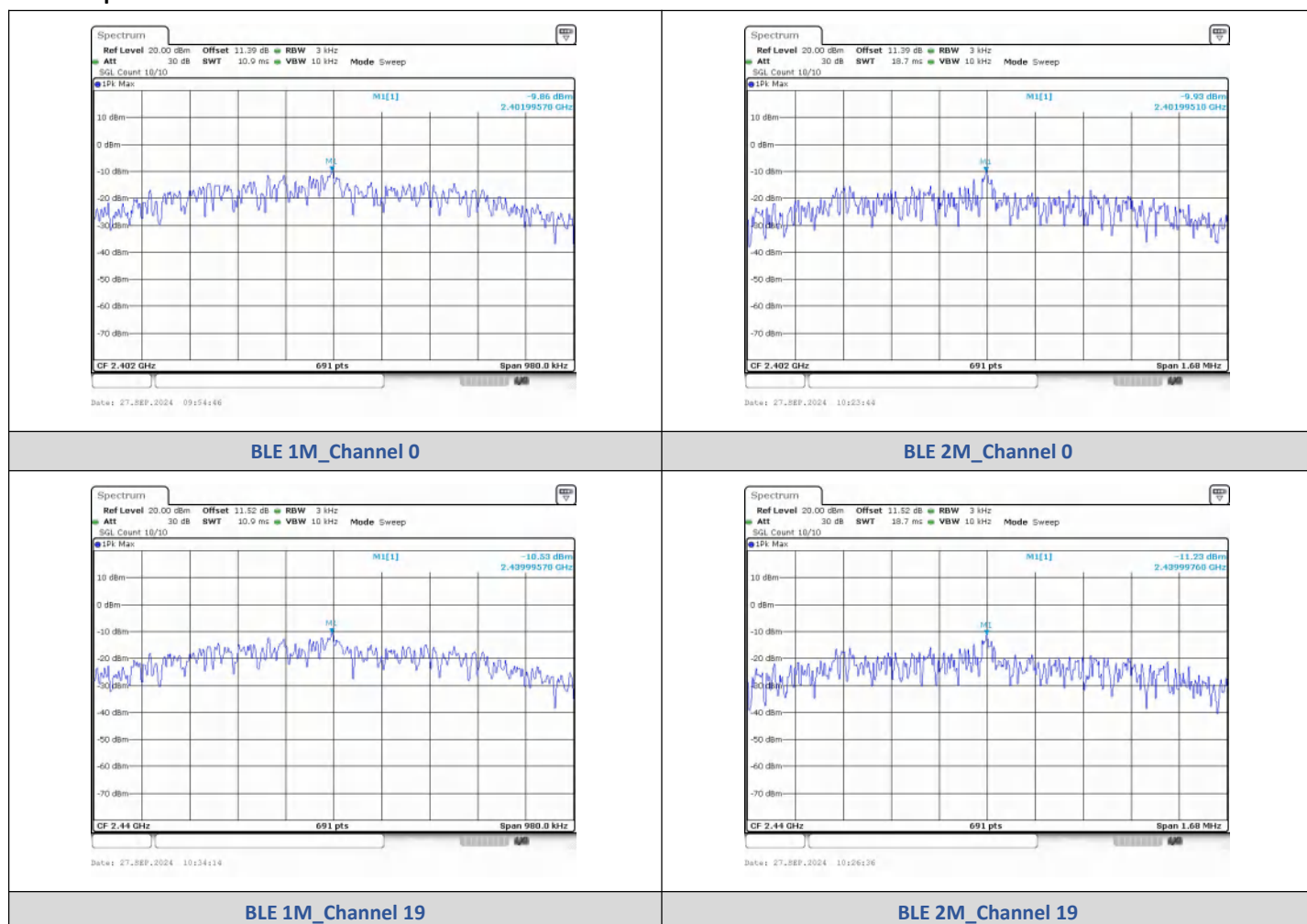
BLE 2M_Channel 39

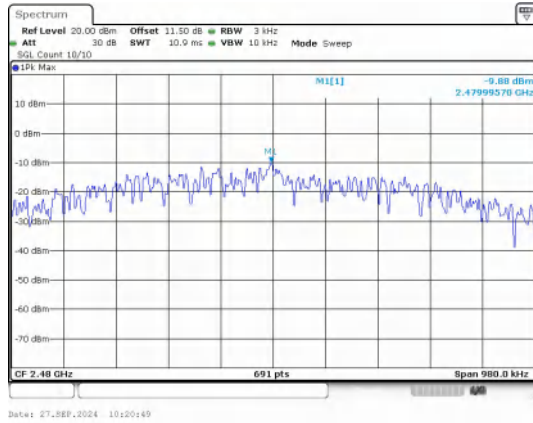
6) Power Spectral Density

Test Result

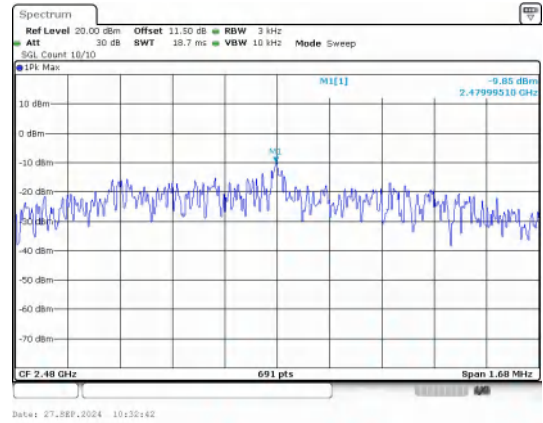
Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-9.86	≤8	PASS
BLE 1M	19	-10.53	≤8	PASS
BLE 1M	39	-9.88	≤8	PASS
BLE 2M	0	-9.93	≤8	PASS
BLE 2M	19	-11.23	≤8	PASS
BLE 2M	39	-9.85	≤8	PASS

Test Graphs





BLE 1M_Channel 39



BLE 2M_Channel 39