

Appendix A

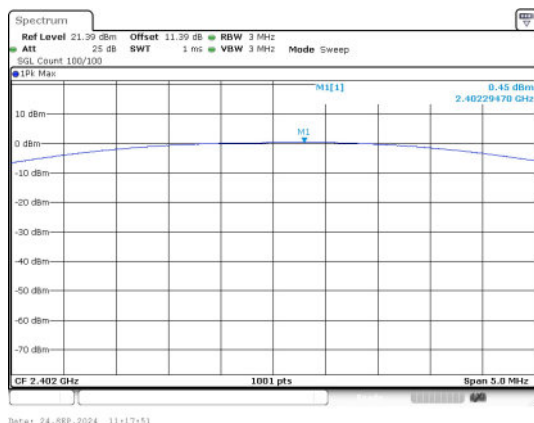
Report No.:	CISRR240919181
FCC ID:	2BK9J-J21PRO
Product Name:	Smart Glasses
Model No.:	J21Pro
Test Engineer:	Jimmy Huang
Supervised by:	Rory Huang

1) Conducted Output Power

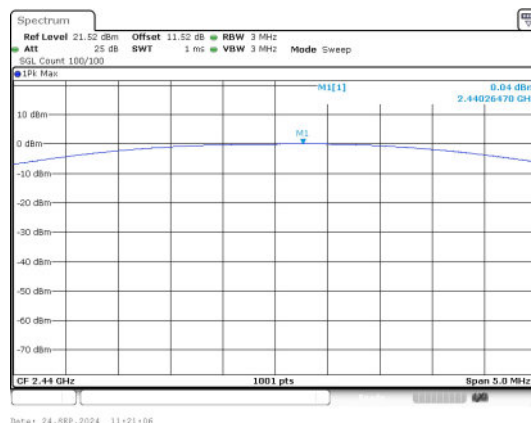
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	0.45	1.11	≤30	PASS
	19	0.04	1.01	≤30	PASS
	39	0.92	1.24	≤30	PASS
BLE 2M	0	2.13	1.63	≤30	PASS
	19	2.16	1.64	≤30	PASS
	39	2.98	1.98	≤30	PASS

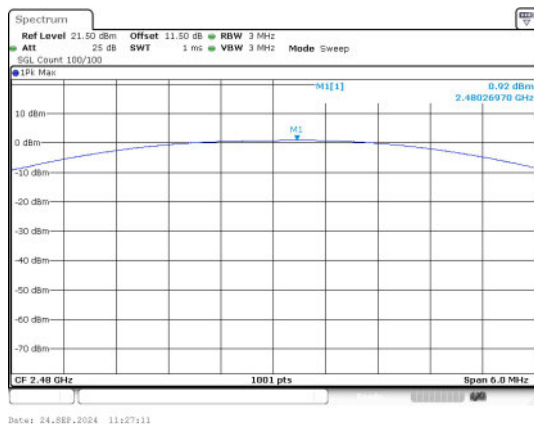
Test Graphs



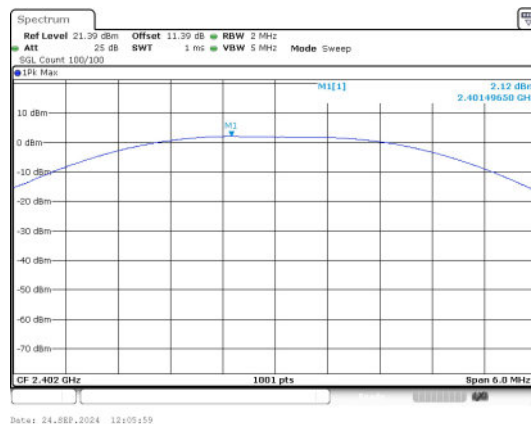
Peak Output Power
BLE 1M_Channel 0



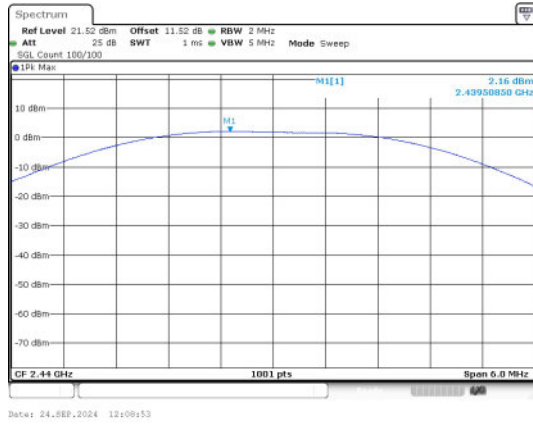
Peak Output Power
BLE 1M_Channel 19



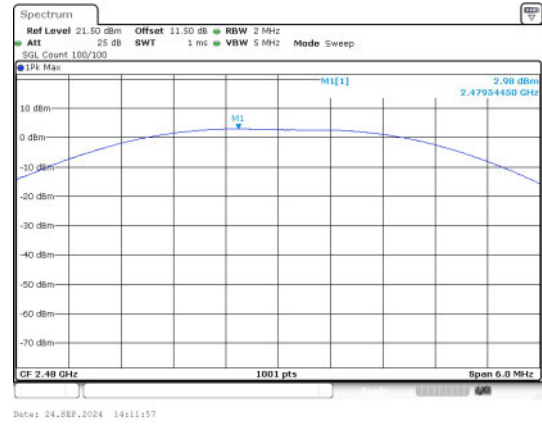
Peak Output Power
BLE 1M_Channel 39



Peak Output Power
BLE 2M_Channel 0



Peak Output Power
BLE 2M_Channel 19



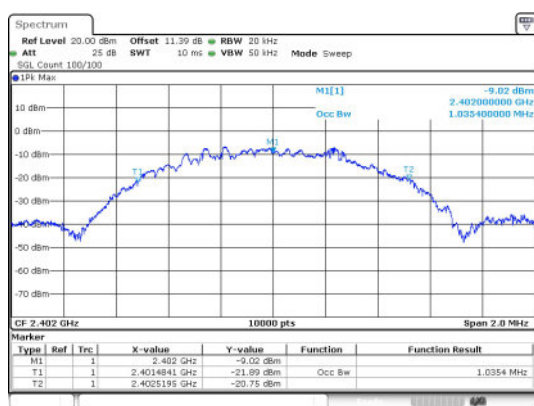
Peak Output Power
BLE 2M_Channel 39

2) 99% Bandwidth

Test Result

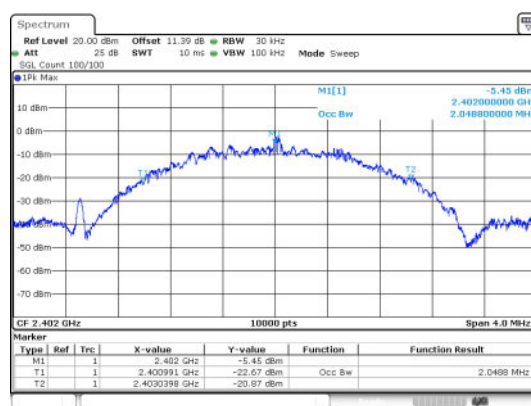
Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0354
BLE 1M	19	2440	1.0342
BLE 1M	39	2480	1.0362
BLE 2M	0	2402	2.0488
BLE 2M	19	2440	2.0604
BLE 2M	39	2480	2.0628

Test Graphs



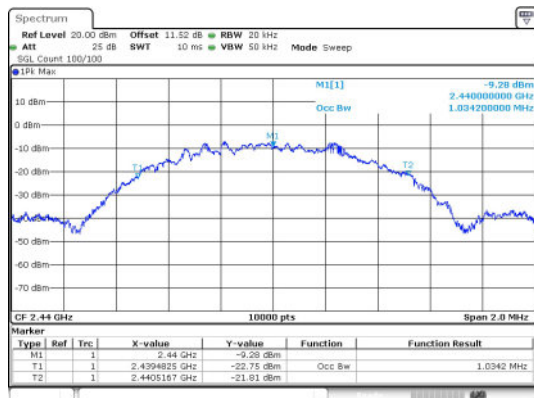
Date: 24.SEP.2024 11:17:22

BLE 1M_Channel 0



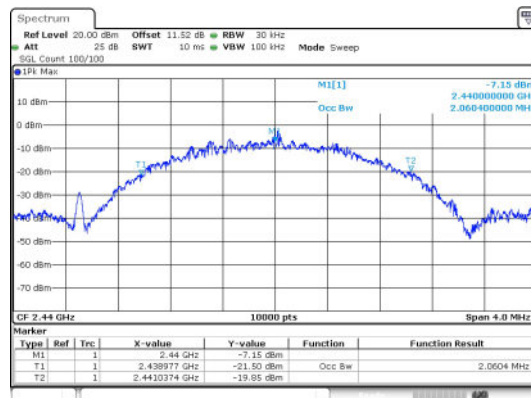
Date: 24.SEP.2024 12:05:31

BLE 2M_Channel 0



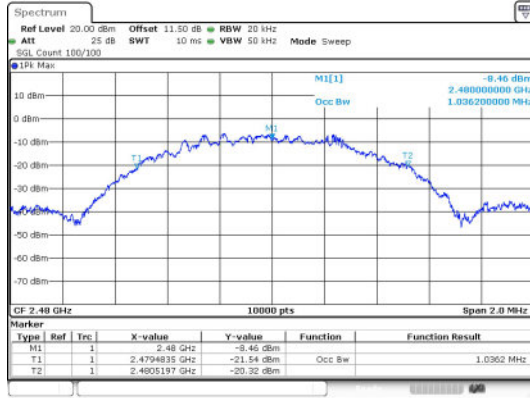
Date: 24.SEP.2024 11:20:25

BLE 1M_Channel 19

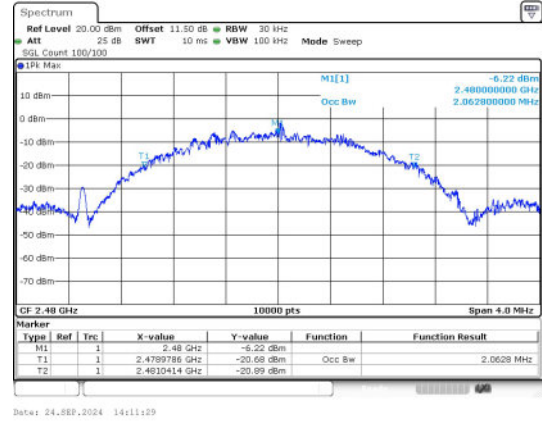


Date: 24.SEP.2024 12:08:24

BLE 2M_Channel 19



BLE 1M_Channel 39



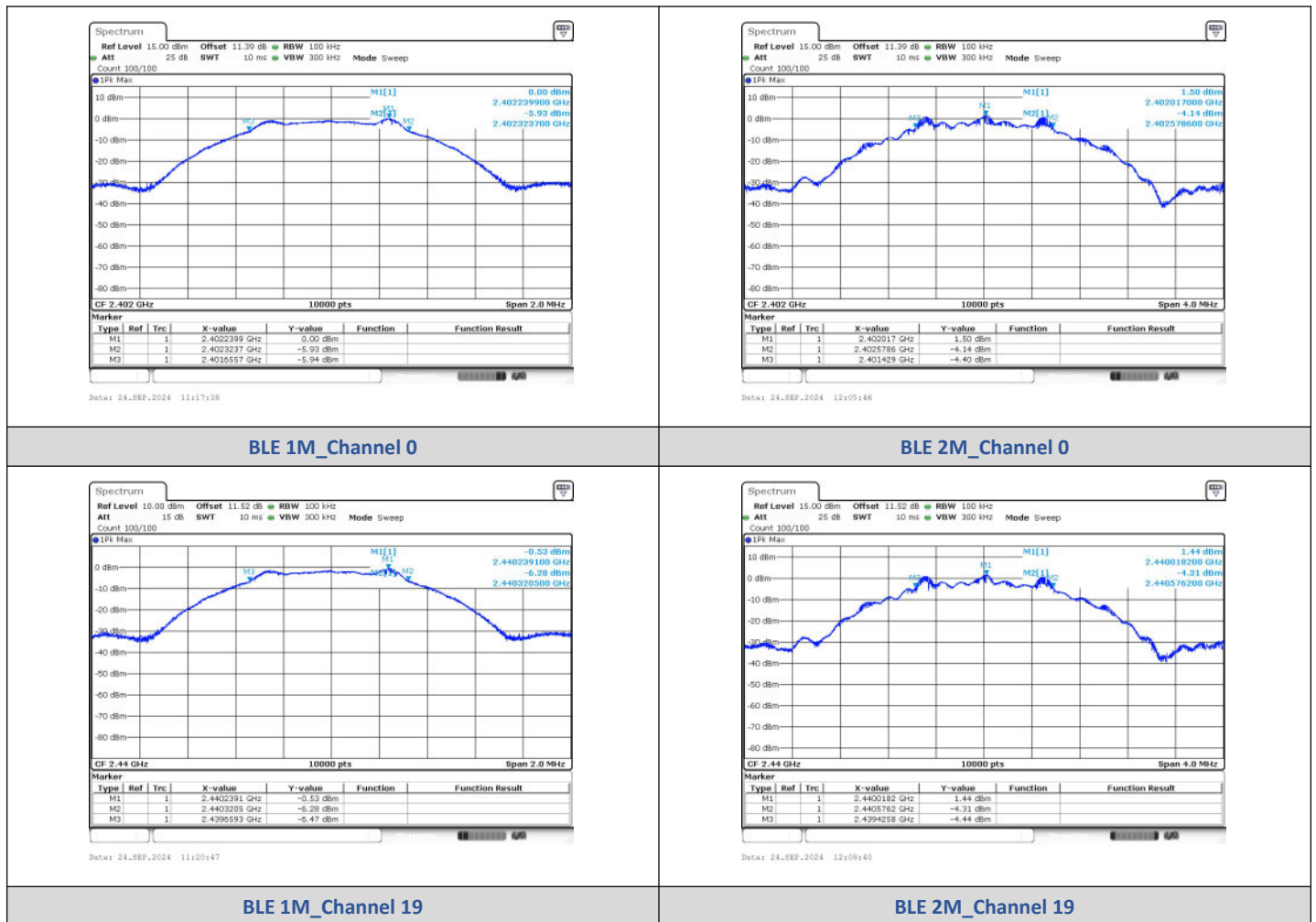
BLE 2M_Channel 39

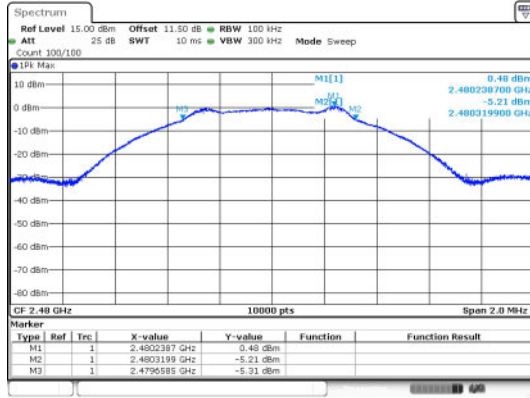
3) 6dB Bandwidth

Test Result

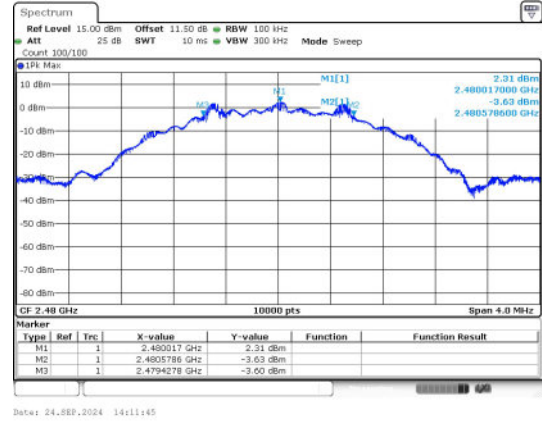
Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6600	≥0.5	PASS
	19	2440	0.6600		PASS
	39	2480	0.6600		PASS
BLE 2M	0	2402	1.150		PASS
	19	2440	1.150		PASS
	39	2480	1.150		PASS

Test Graphs





BLE 1M_Channel 39



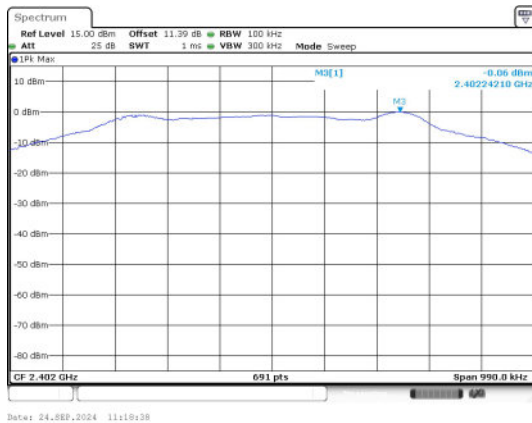
BLE 2M_Channel 39

4) Conducted Out Of Band Emission

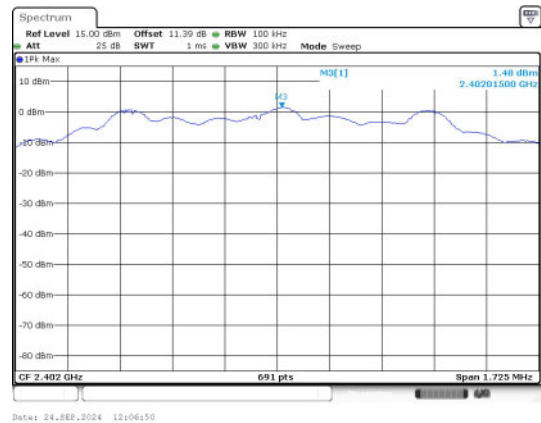
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2400.00	-39.334	-20.06	-19.274	PASS
		4804.68	-42.319	-20.06	-22.259	PASS
	19	4879.59	-41.936	-20.41	-21.526	PASS
	39	2483.50	-49.692	-19.52	-30.172	PASS
		4959.49	-42.854	-19.52	-23.334	PASS
BLE 2M	0	2400.00	-31.978	-18.52	-13.458	PASS
		9602.25	-44.696	-18.52	-26.176	PASS
	19	9753.73	-42.124	-18.5	-23.624	PASS
	39	2483.50	-48.475	-17.76	-30.715	PASS
		9914.37	-41.662	-17.76	-23.902	PASS

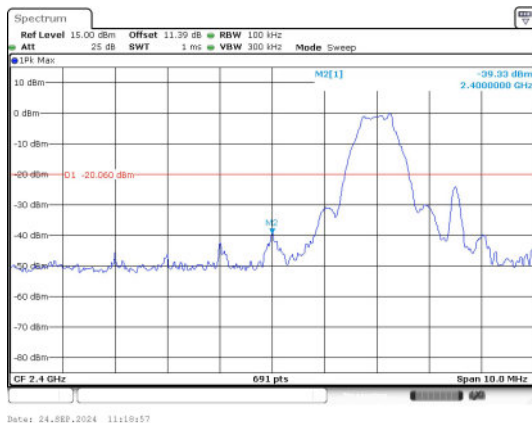
Test Graphs



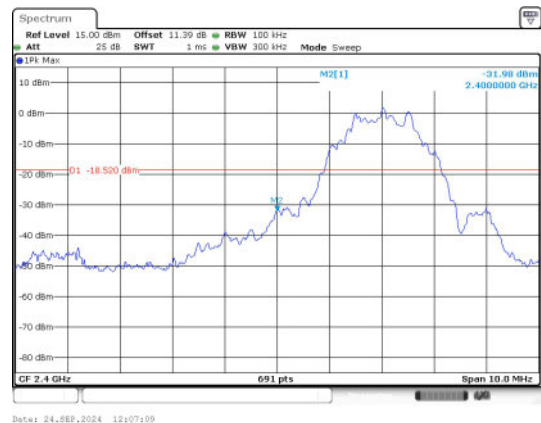
In-Band Reference Level
BLE 1M_Channel 0



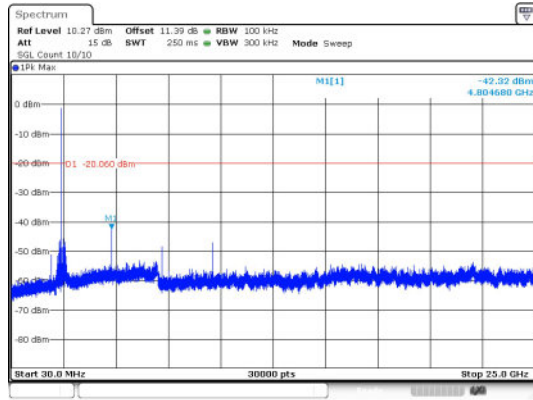
In-Band Reference Level
BLE 2M_Channel 0



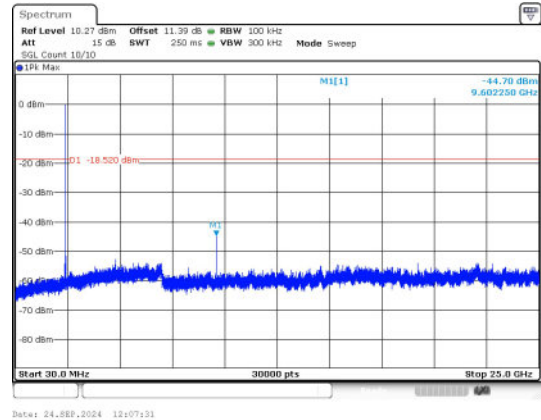
Out Of Band Emission
BLE 1M_Channel 0



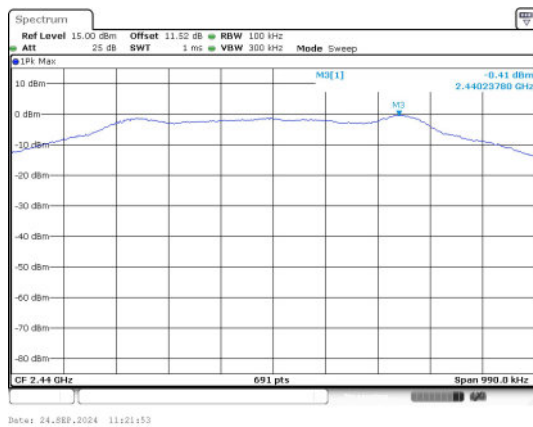
Out Of Band Emission
BLE 2M_Channel 0



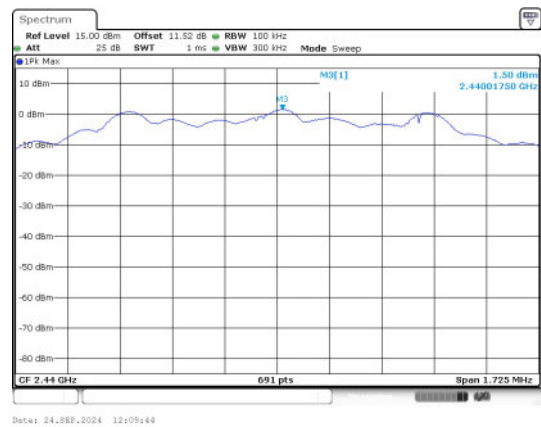
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0



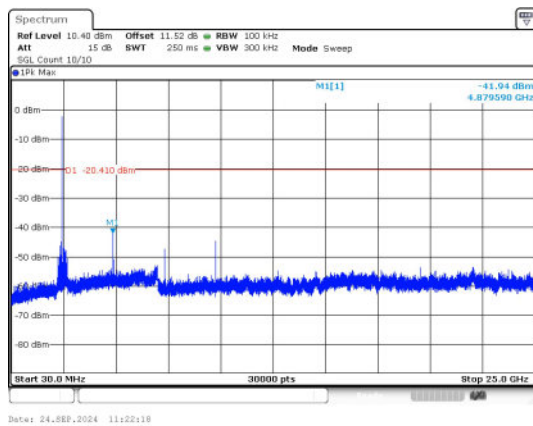
30.0 MHz - 25000.0 MHz
BLE 2M_Channel 0



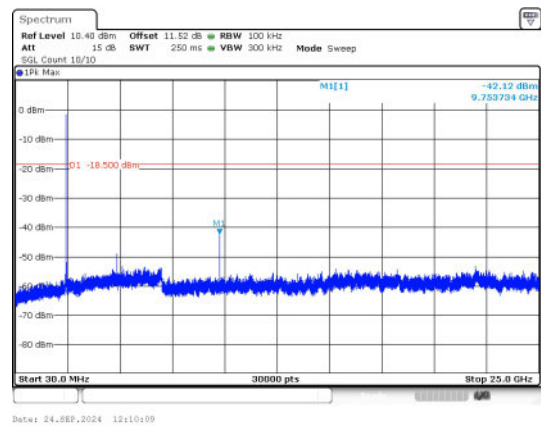
In-Band Reference Level
BLE 1M_Channel 19



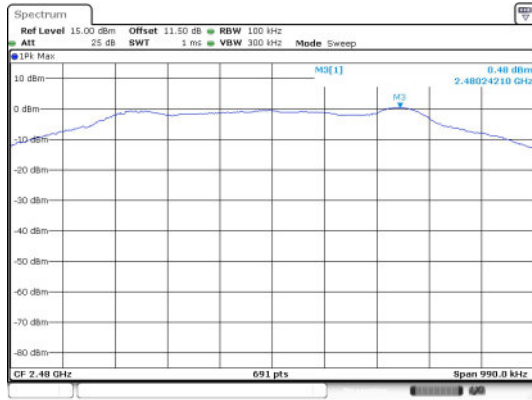
In-Band Reference Level
BLE 2M_Channel 19



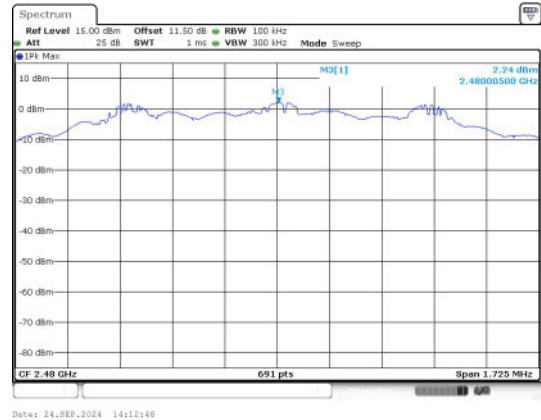
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



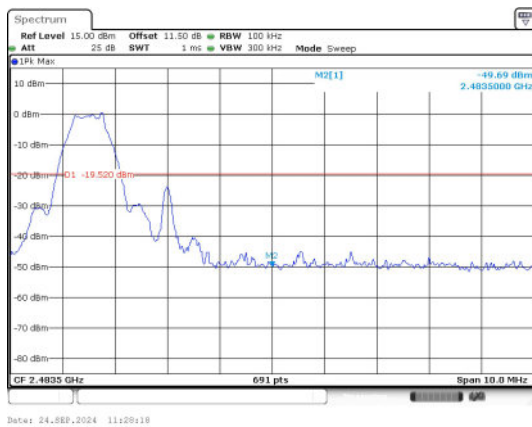
30.0 MHz - 25000.0 MHz
BLE 2M_Channel 19



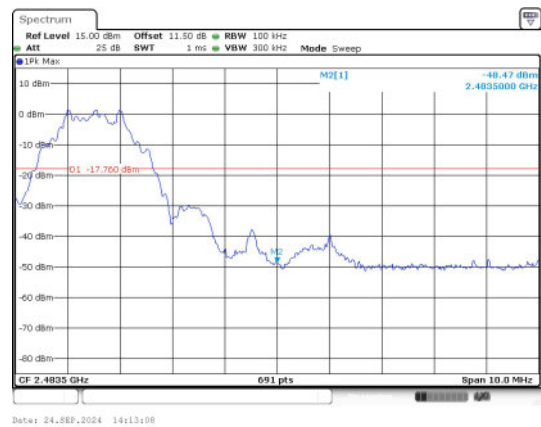
**In-Band Reference Level
BLE 1M_Channel 39**



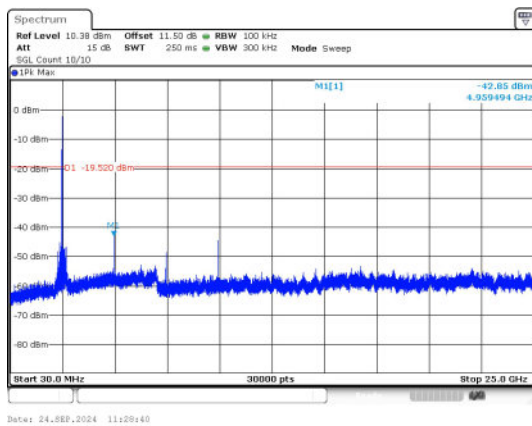
**In-Band Reference Level
BLE 2M_Channel 39**



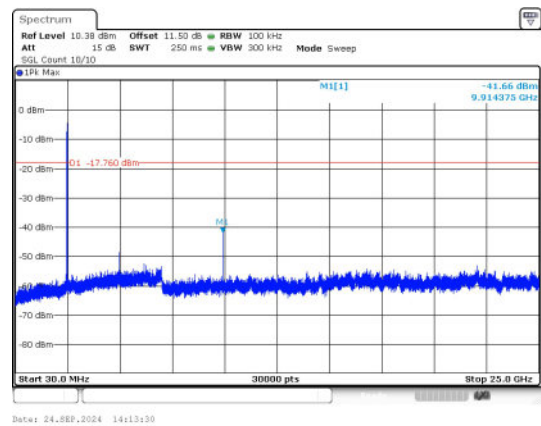
**Out Of Band Emission
BLE 1M_Channel 39**



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



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



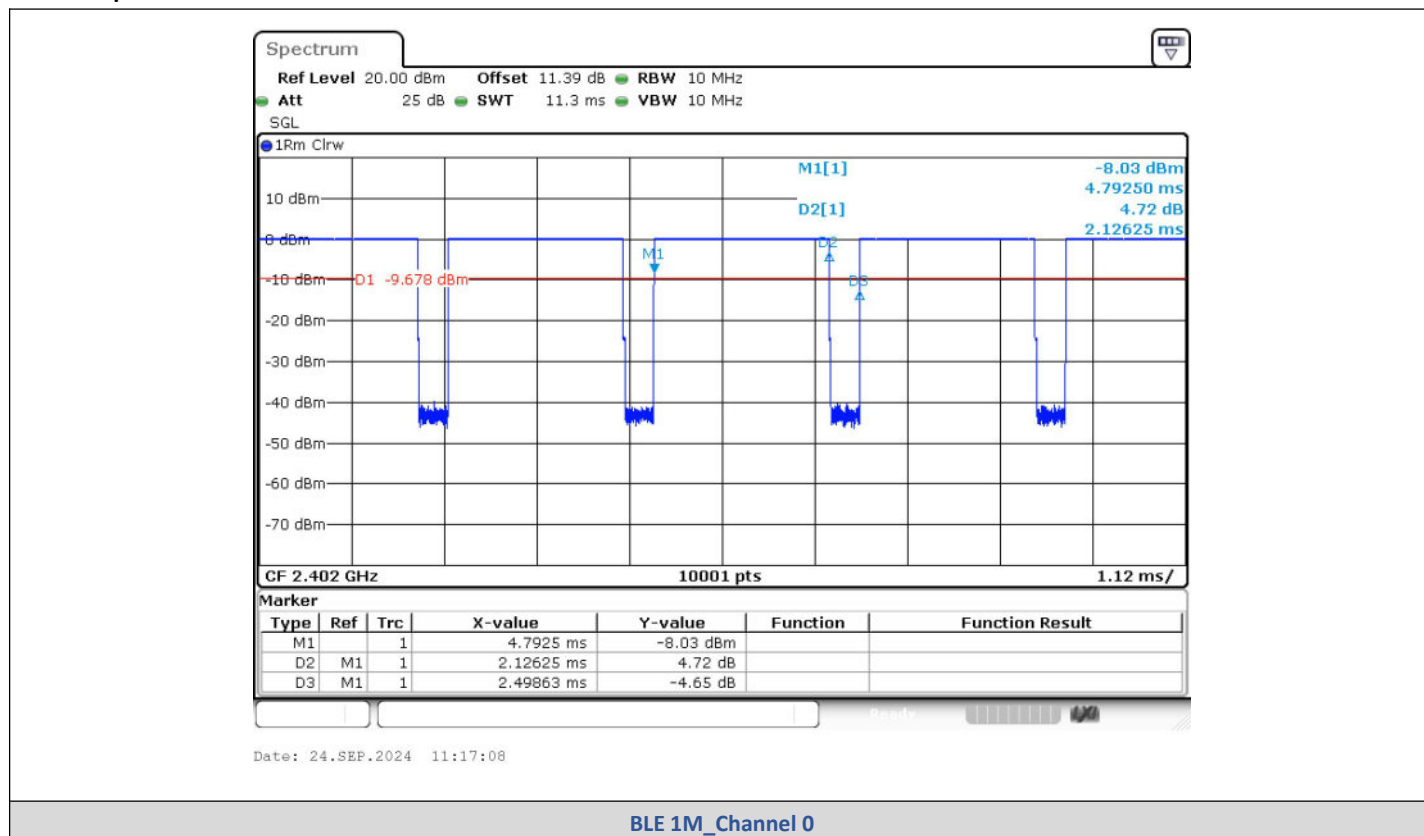
**30.0 MHz - 25000.0 MHz
BLE 2M_Channel 39**

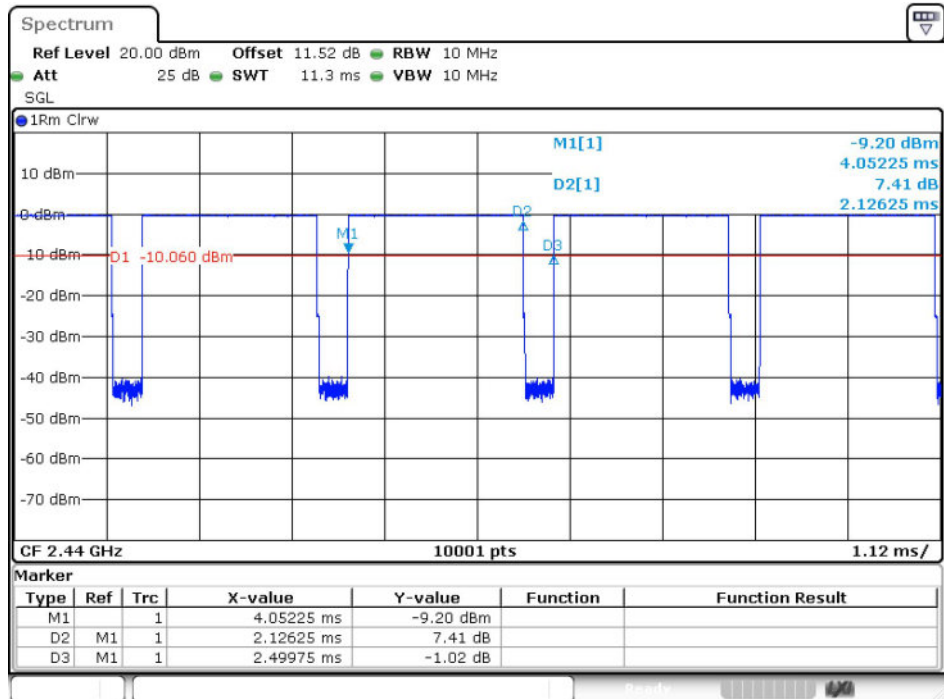
5) Duty Cycle

Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	2.126	2.499	85.10	0.8510	0.7007	0.47
	19	2.126	2.500	85.06	0.8506	0.7027	0.47
	39	2.126	2.499	85.10	0.8510	0.7007	0.47
BLE 2M	0	1.077	2.488	43.28	0.4328	3.6371	0.93
	19	1.081	2.499	43.27	0.4327	3.6381	0.93
	39	1.081	2.499	43.27	0.4327	3.6381	0.93

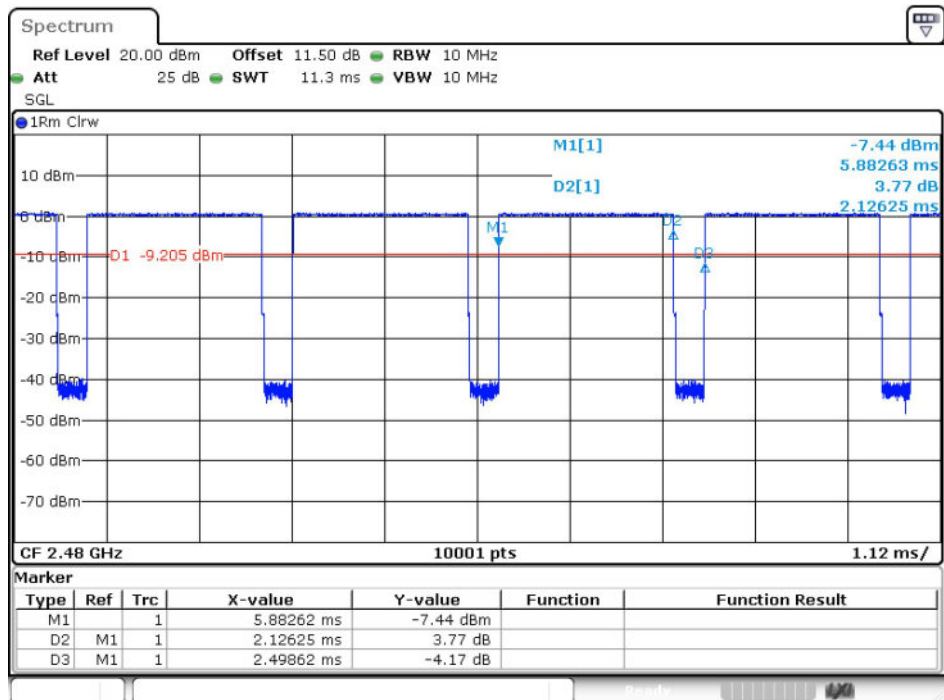
Test Graphs





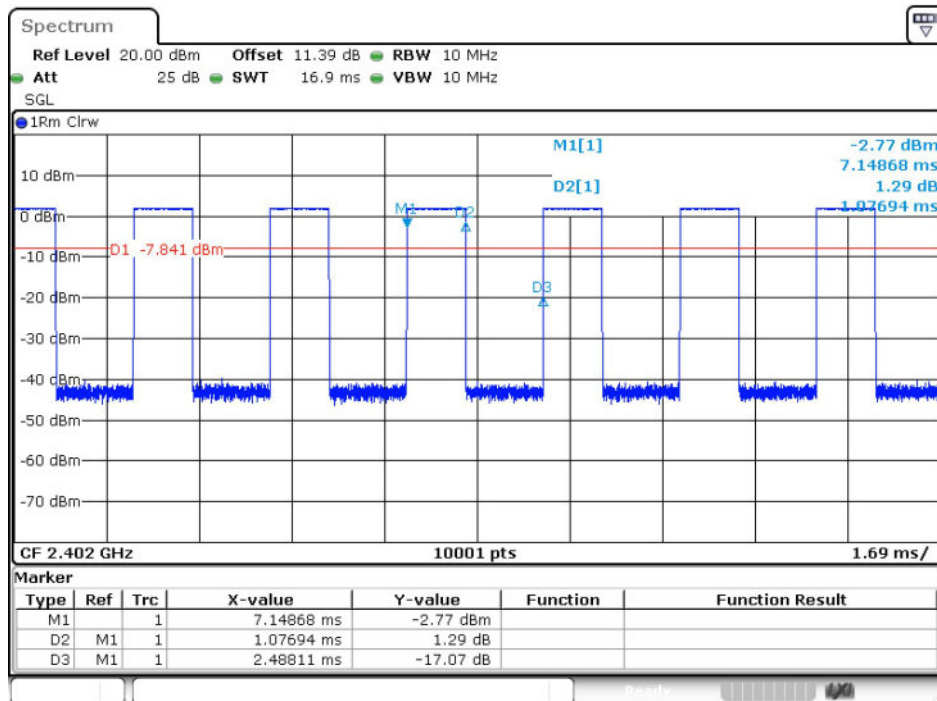
Date: 24.SEP.2024 11:20:10

BLE 1M_Channel 19



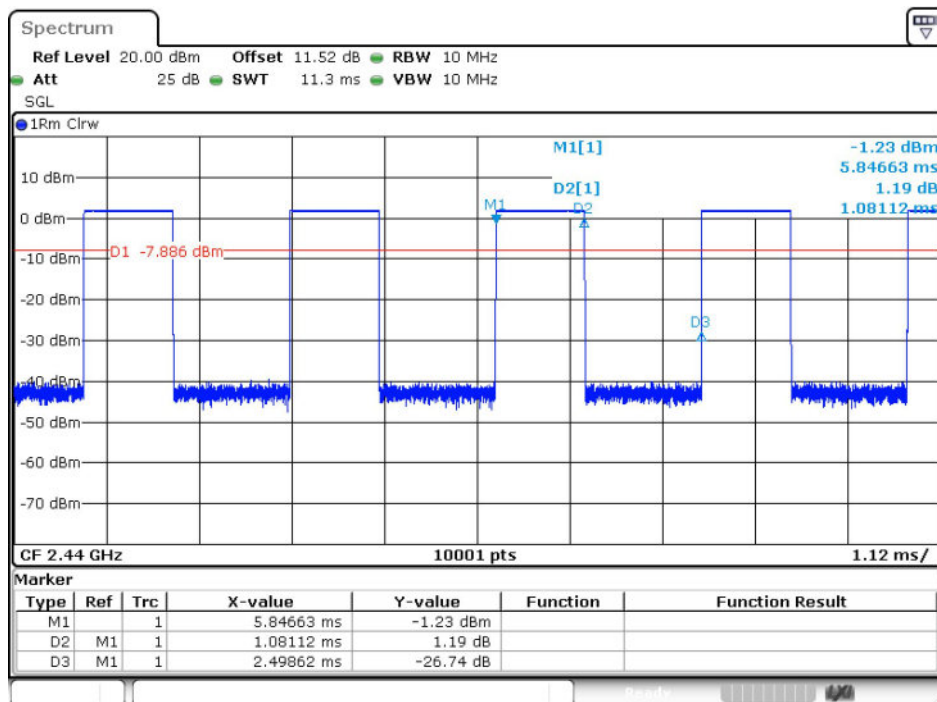
Date: 24.SEP.2024 11:26:29

BLE 1M_Channel 39



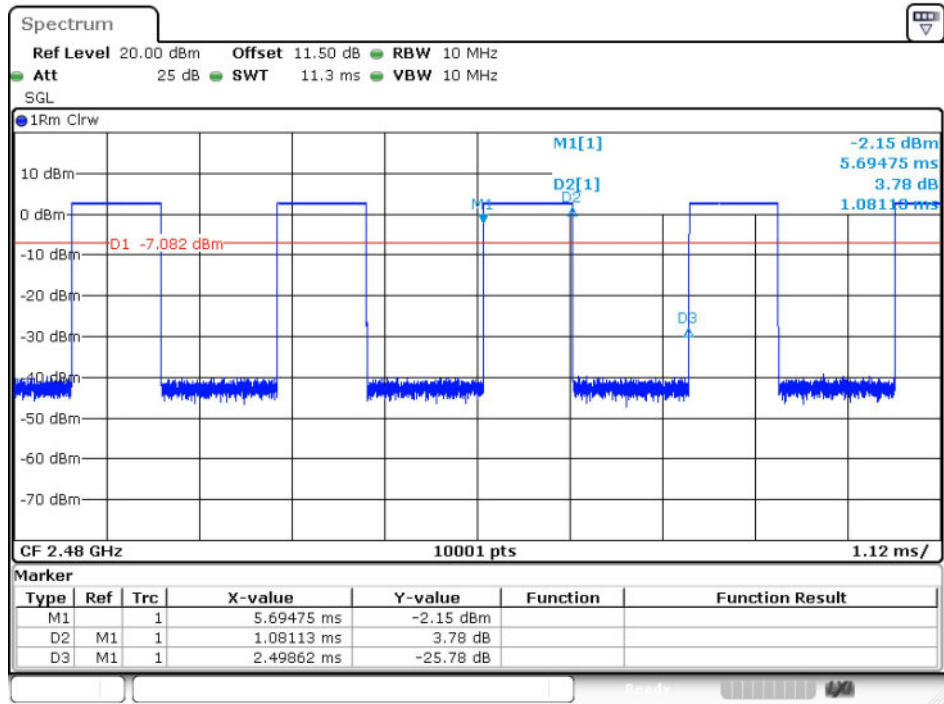
Date: 24.SEP.2024 12:05:16

BLE 2M_Channel 0



Date: 24.SEP.2024 12:08:10

BLE 2M_Channel 19



Date: 24.SEP.2024 14:11:14

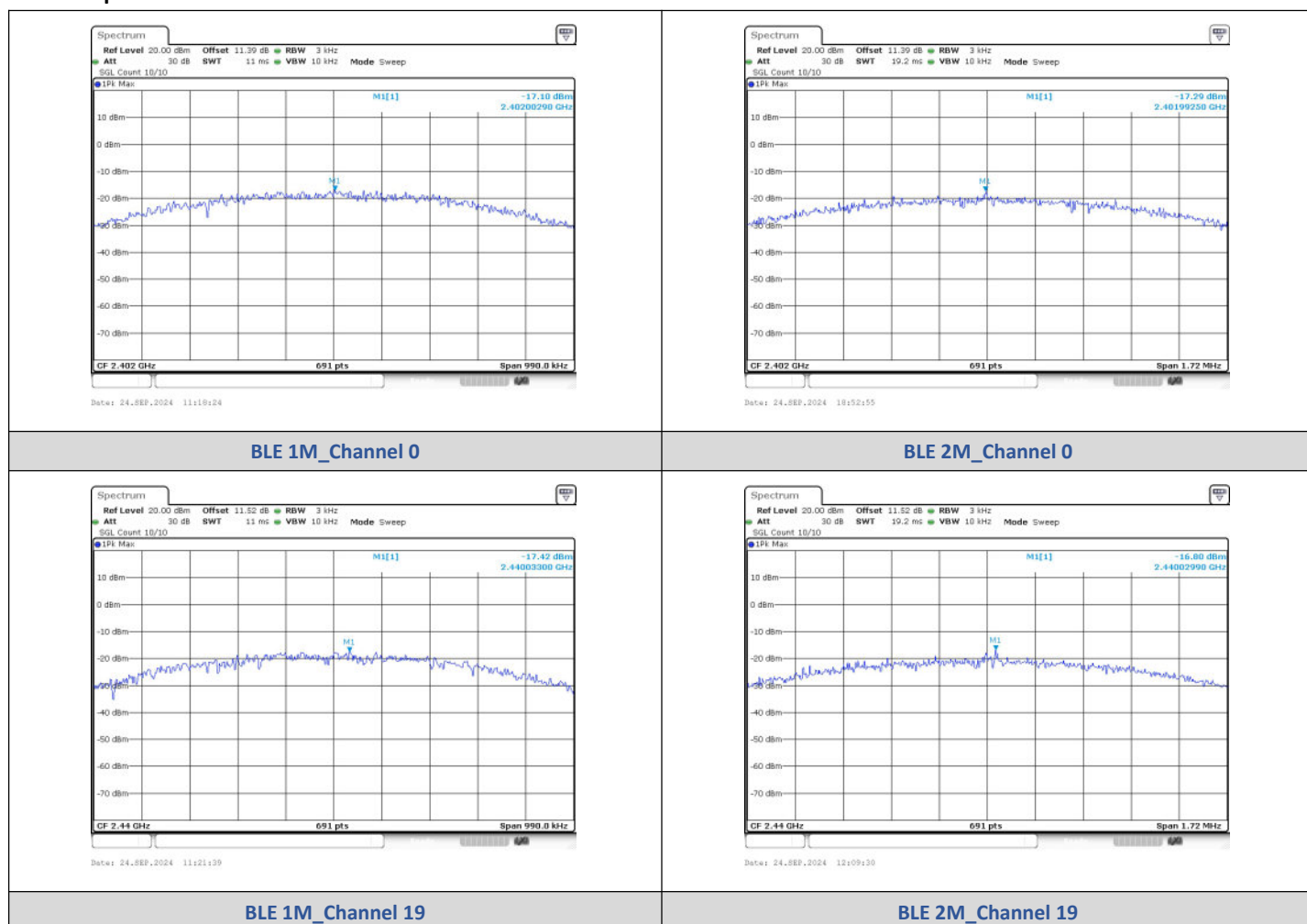
BLE 2M_Channel 39

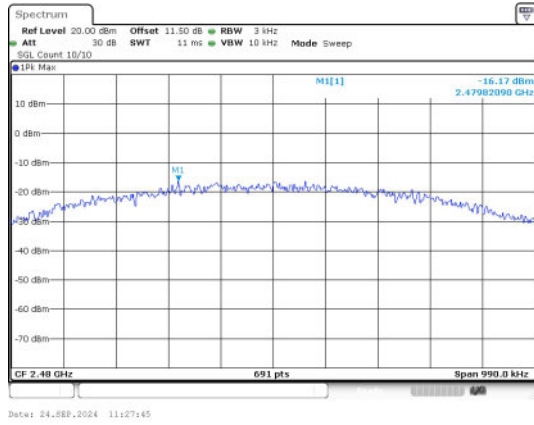
6) Power Spectral Density

Test Result

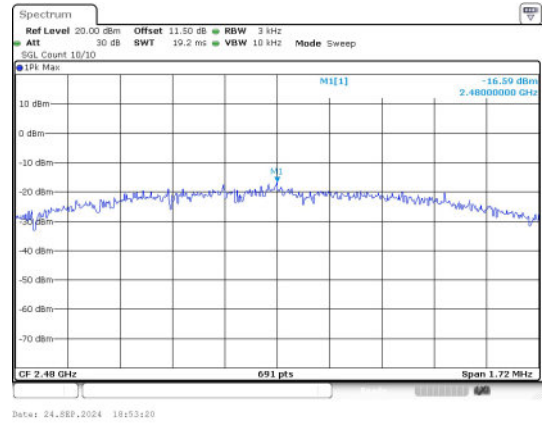
Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-17.100	≤8	PASS
BLE 1M	19	-17.422	≤8	PASS
BLE 1M	39	-16.165	≤8	PASS
BLE 2M	0	-17.289	≤8	PASS
BLE 2M	19	-16.798	≤8	PASS
BLE 2M	39	-16.587	≤8	PASS

Test Graphs





BLE 1M_Channel 39



BLE 2M_Channel 39