

Appendix A

Report No.:	CISRR240927268
FCC ID:	2BGU9-YW14
Product Name:	wireless headphone
Model No.:	YW14
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

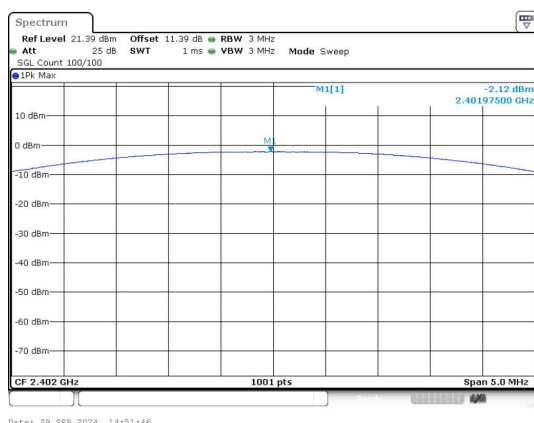
1) Conducted Output Power

RIGHT:

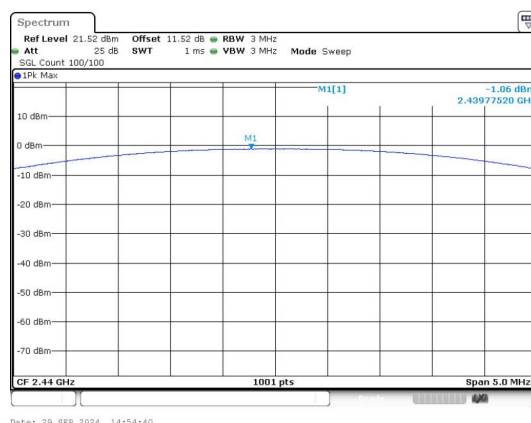
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	-2.12	0.61	≤30	PASS
	19	-1.06	0.78	≤30	PASS
	39	-1.05	0.78	≤30	PASS

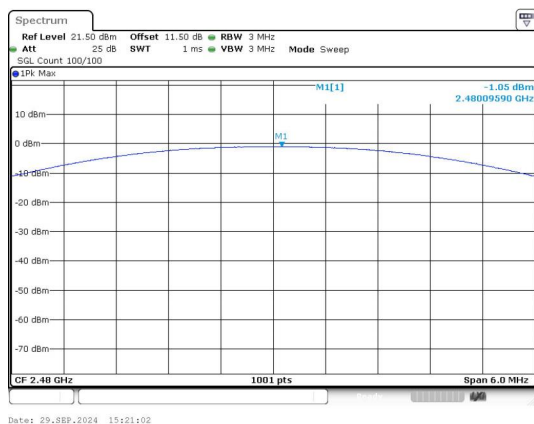
Test Graphs



Peak Output Power
BLE 1M_Channel 0



Peak Output Power
BLE 1M_Channel 19



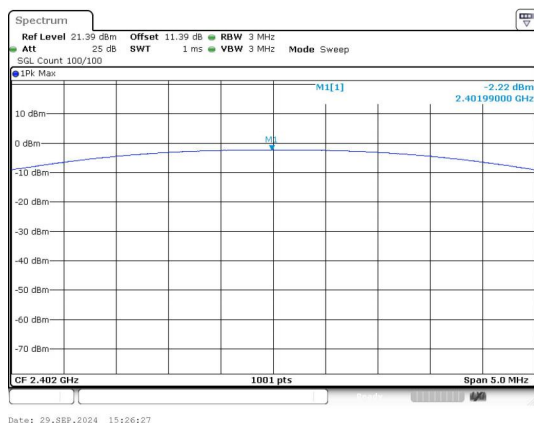
Peak Output Power
BLE 1M_Channel 39

LEFT:

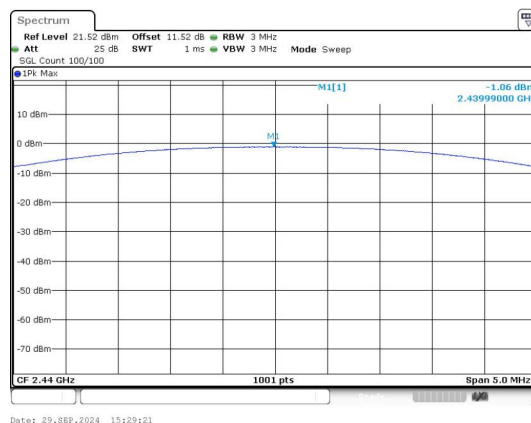
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	-2.22	0.6	≤30	PASS
	19	-1.07	0.78	≤30	PASS
	39	-1.02	0.79	≤30	PASS

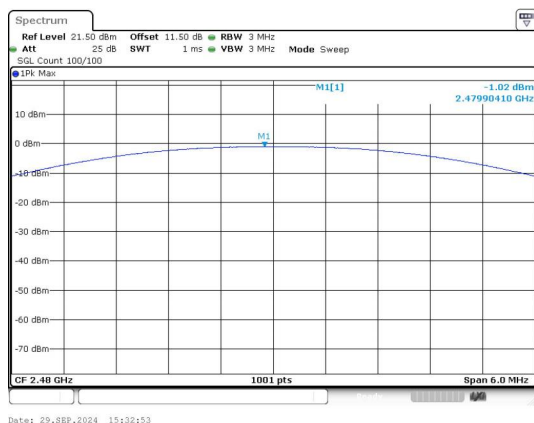
Test Graphs



Peak Output Power
BLE 1M_Channel 0



Peak Output Power
BLE 1M_Channel 19



Peak Output Power
BLE 1M_Channel 39

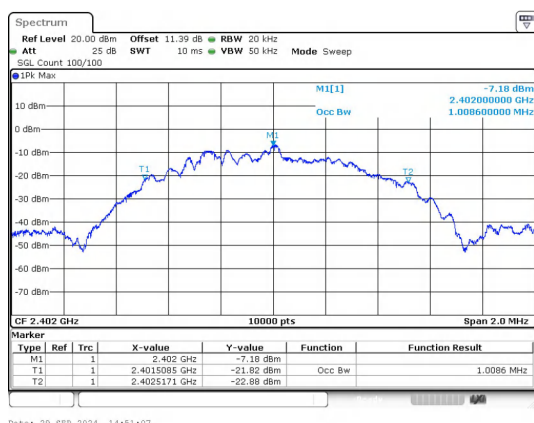
2) 99% Bandwidth

RIGHT:

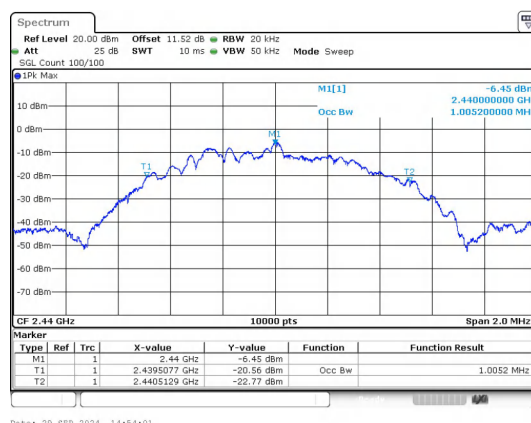
Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0086
BLE 1M	19	2440	1.0052
BLE 1M	39	2480	1.0088

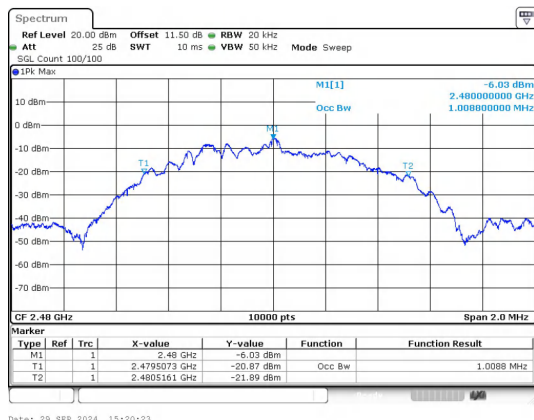
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



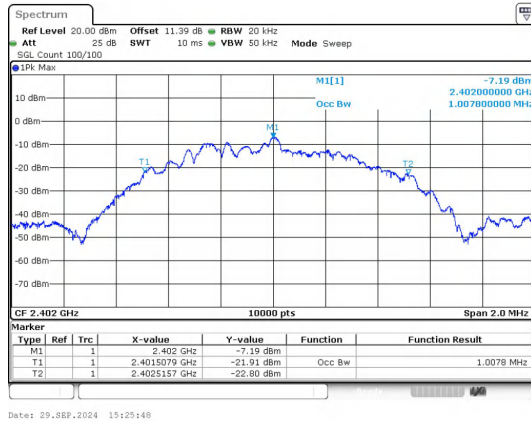
BLE 1M_Channel 39

LEFT:

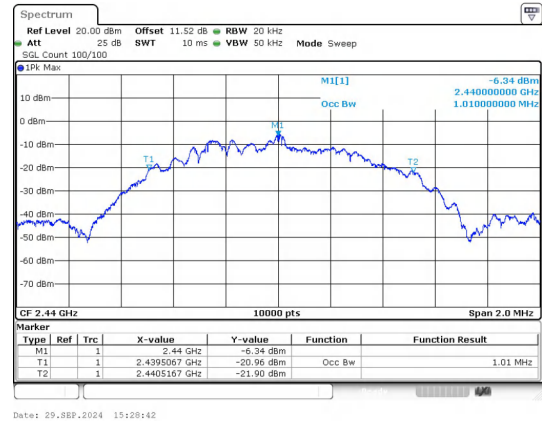
Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0078
BLE 1M	19	2440	1.0100
BLE 1M	39	2480	1.0090

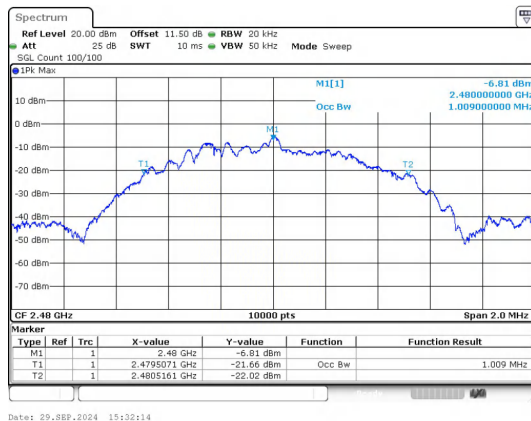
Test Graphs



BLE 1M_Channel 0



BLE 1M_Channel 19



BLE 1M_Channel 39

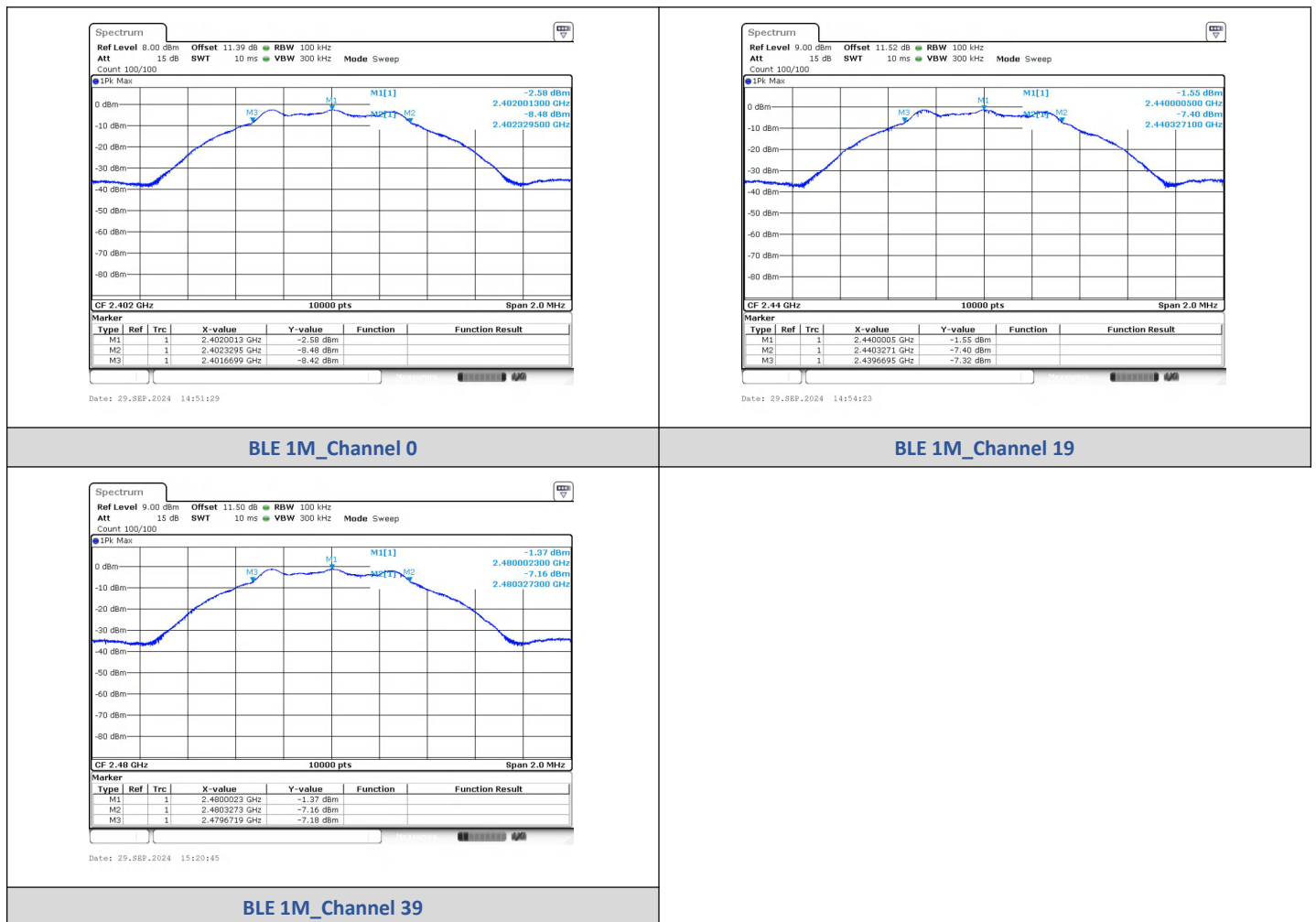
3) 6dB Bandwidth

RIGHT:

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

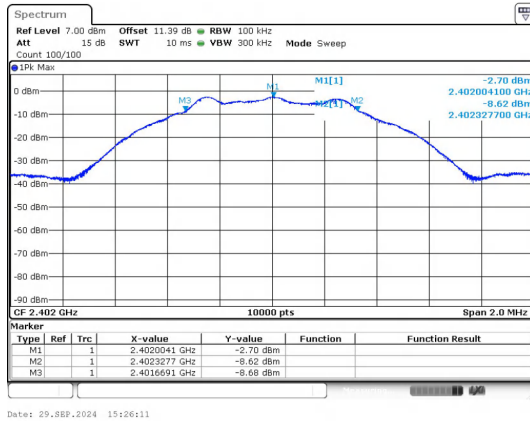


LEFT:

Test Result

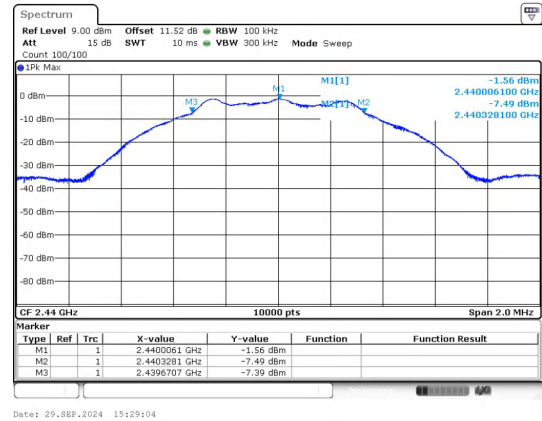
Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6600	≥0.5	PASS
	19	2440	0.6600		PASS
	39	2480	0.6600		PASS

Test Graphs



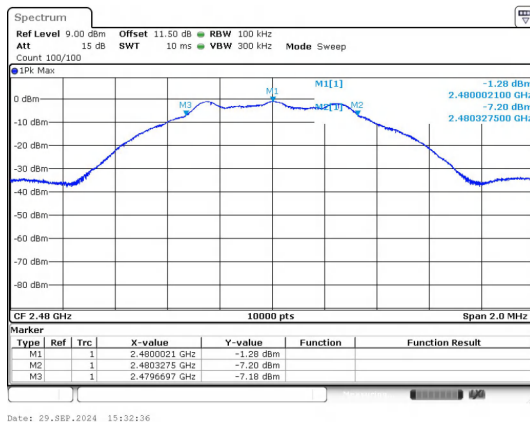
Date: 29.SEP.2024 15:26:11

BLE 1M_Channel 0



Date: 29.SEP.2024 15:29:04

BLE 1M_Channel 19



Date: 29.SEP.2024 15:32:36

BLE 1M_Channel 39

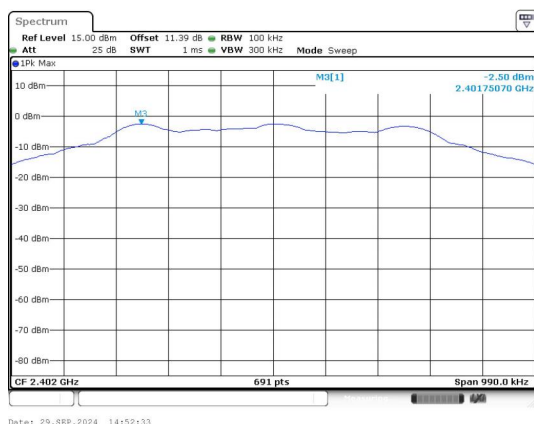
4) Conducted Out Of Band Emission

RIGHT:

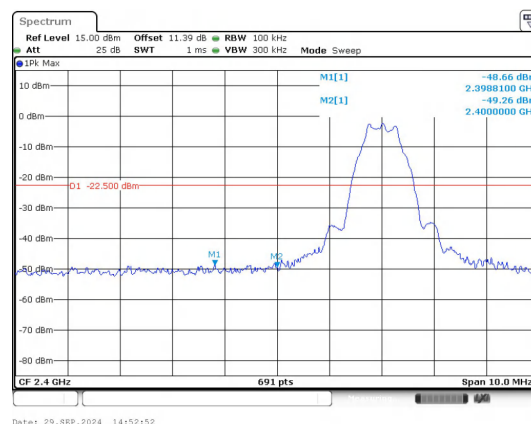
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2398.81	-48.662	-22.5	-26.162	PASS
		2400.00	-49.261	-22.5	-26.761	PASS
		6953.80	-52.209	-22.5	-29.709	PASS
	19	22022.3	-51.759	-21.45	-30.309	PASS
	39	2483.50	-49.948	-21.4	-28.548	PASS
		5866.74	-53.446	-21.4	-32.046	PASS

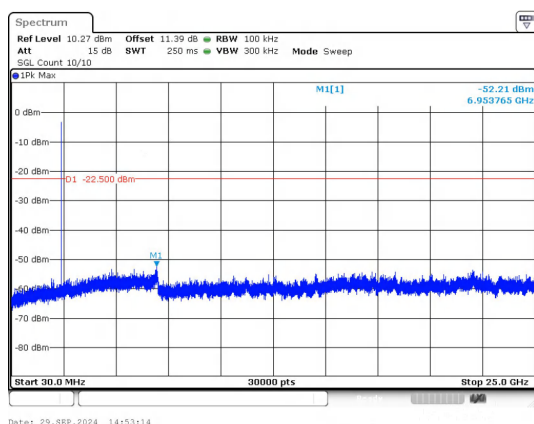
Test Graphs



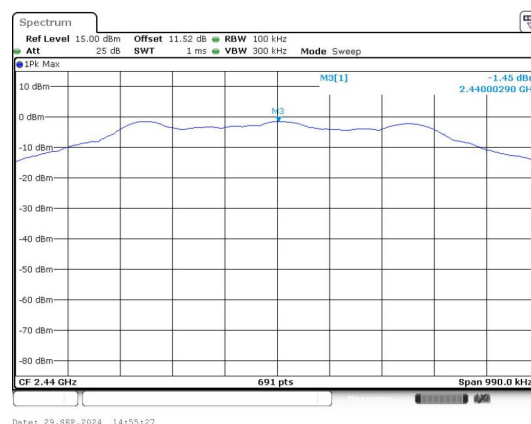
In-Band Reference Level
BLE 1M_Channel 0



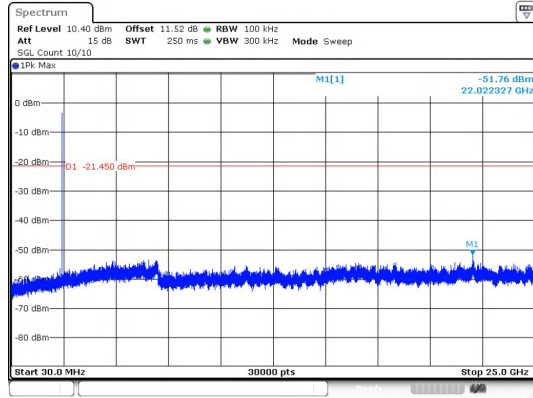
Out Of Band Emission
BLE 1M_Channel 0



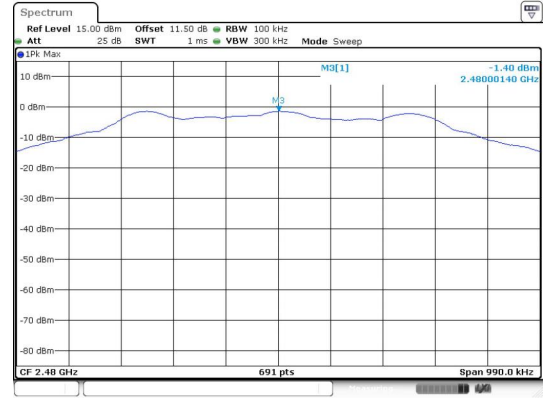
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0



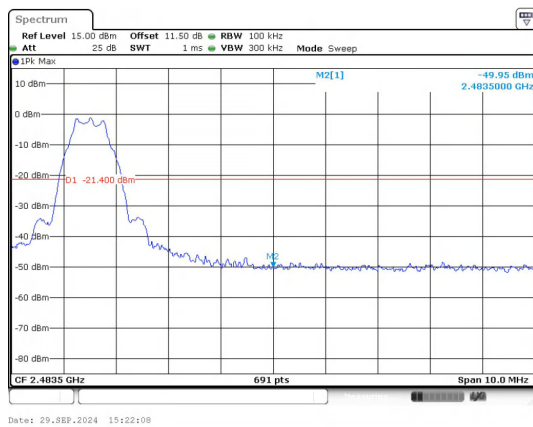
In-Band Reference Level
BLE 1M_Channel 19



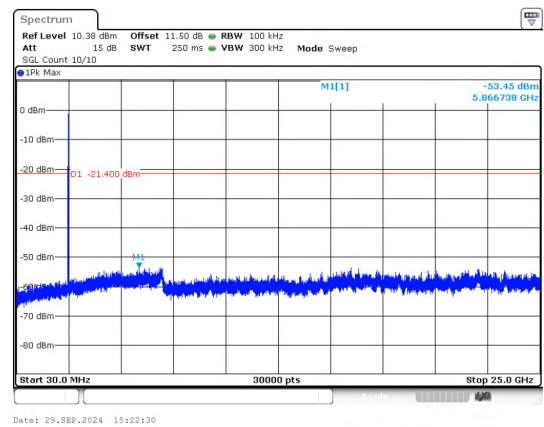
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



In-Band Reference Level
BLE 1M_Channel 39



Out Of Band Emission
BLE 1M_Channel 39



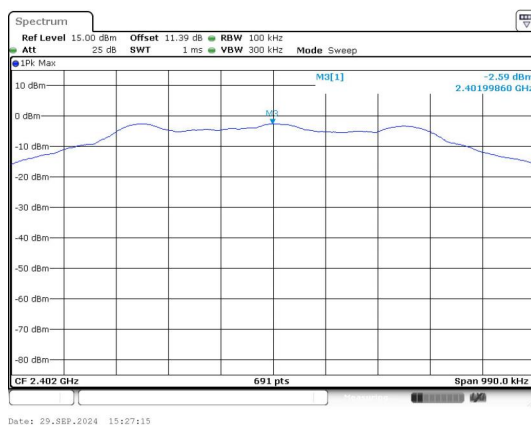
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 39

LEFT:

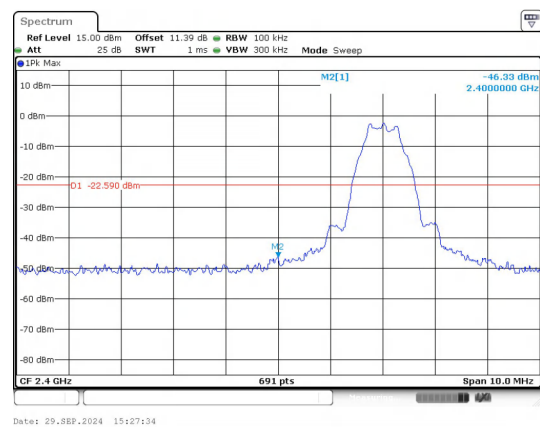
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2400.00	-46.328	-22.59	-23.738	PASS
		4237.86	-53.163	-22.59	-30.573	PASS
	19	6189.68	-52.561	-21.44	-31.121	PASS
	39	2483.50	-48.714	-21.35	-27.364	PASS
		6931.29	-53.665	-21.35	-32.315	PASS

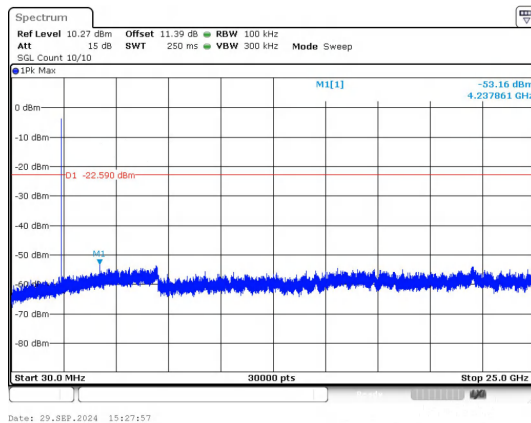
Test Graphs



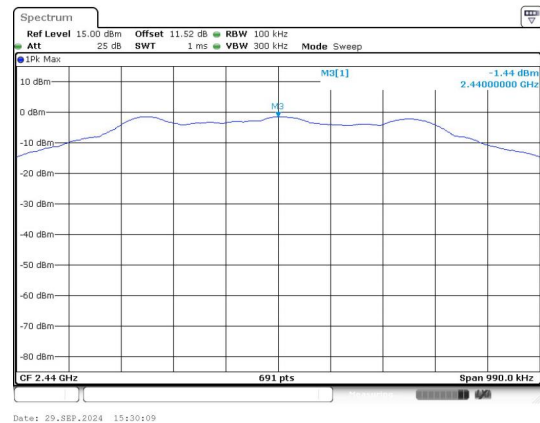
In-Band Reference Level
BLE 1M_Channel 0



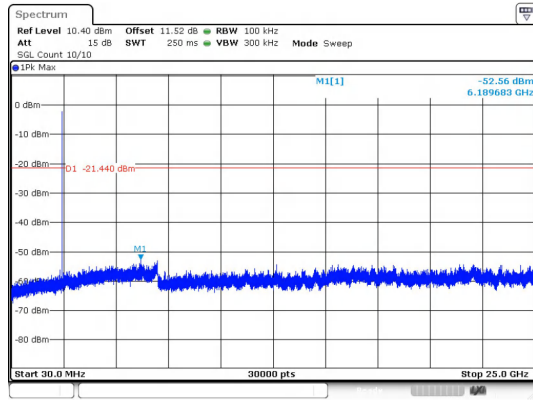
Out Of Band Emission
BLE 1M_Channel 0



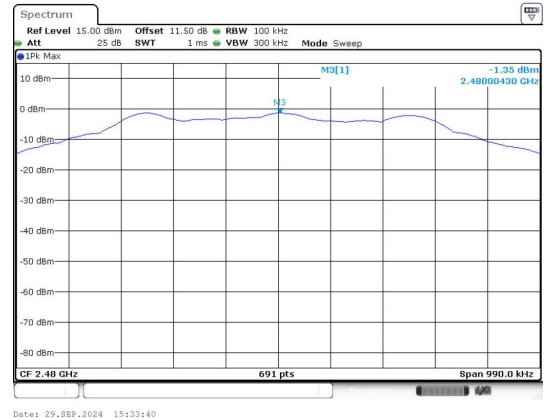
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0



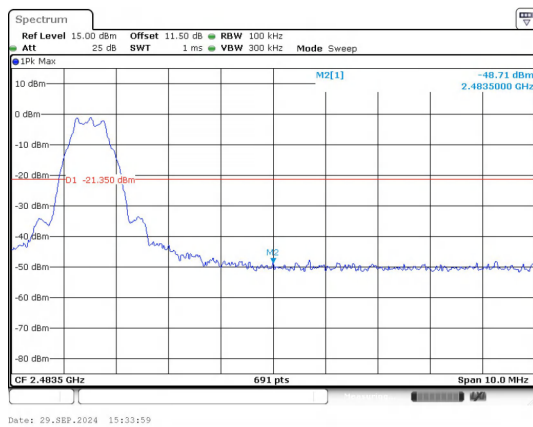
In-Band Reference Level
BLE 1M_Channel 19



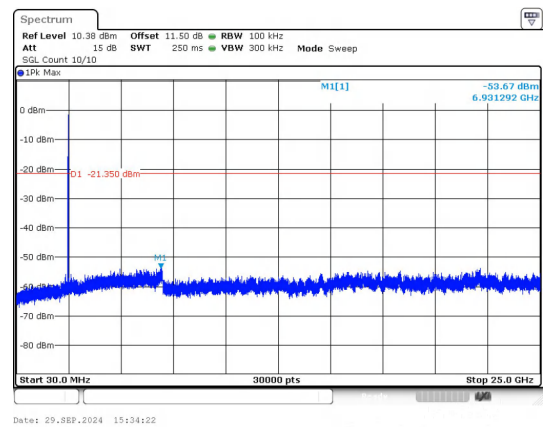
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



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

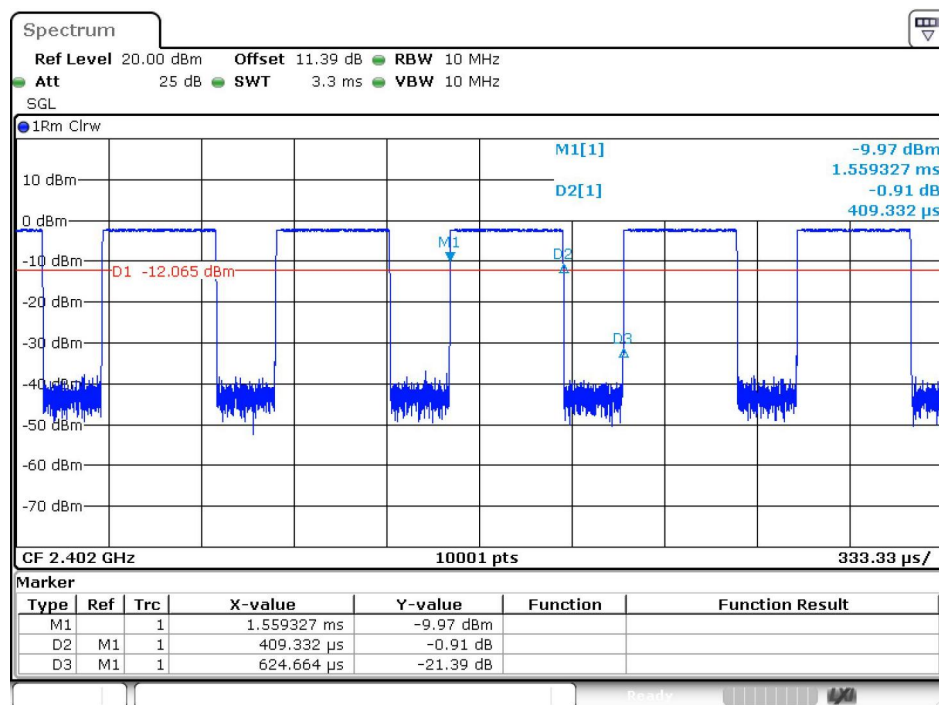
5) Duty Cycle

RIGHT:

Test Result

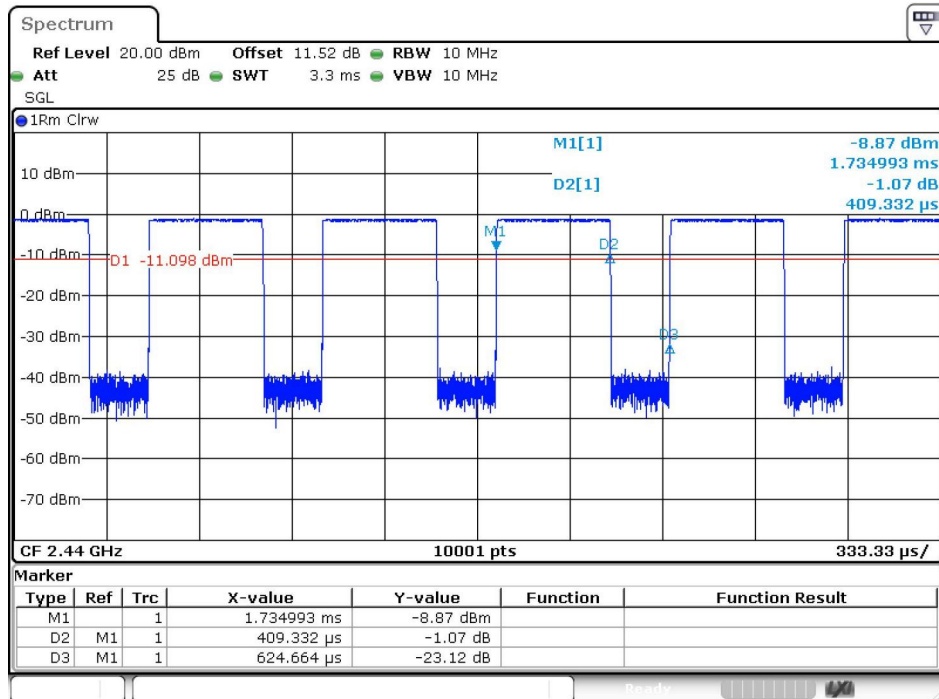
Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	0.409	0.625	65.53	0.6553	1.8356	2.44
	19	0.409	0.625	65.53	0.6553	1.8356	2.44
	39	0.409	0.625	65.49	0.6549	1.8383	2.44

Test Graphs



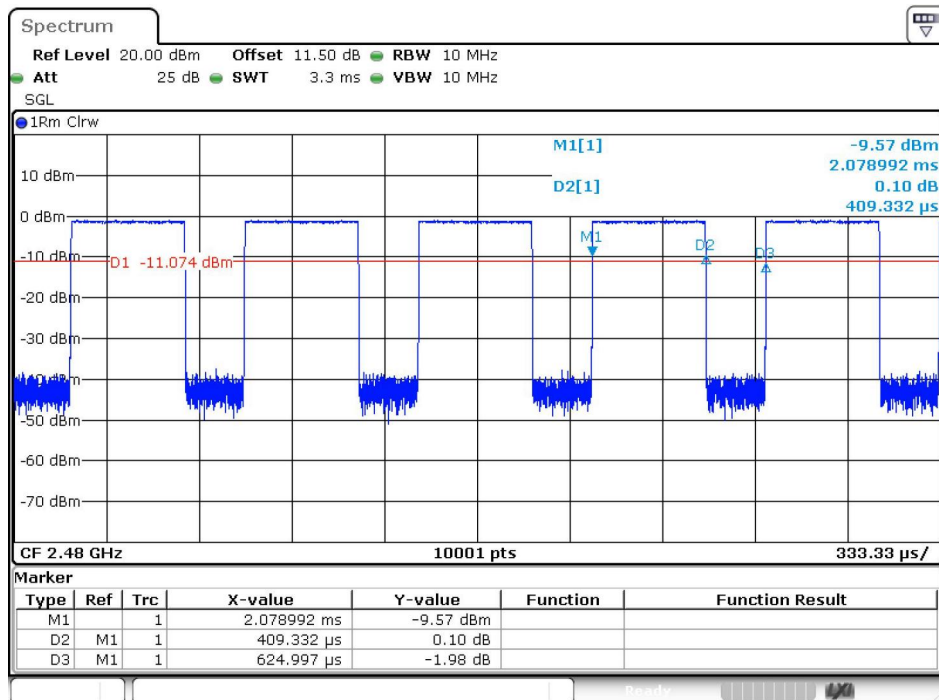
Date: 29.SEP.2024 14:50:53

BLE 1M_Channel 0



Date: 29.SEP.2024 14:53:46

BLE 1M_Channel 19



Date: 29.SEP.2024 15:20:08

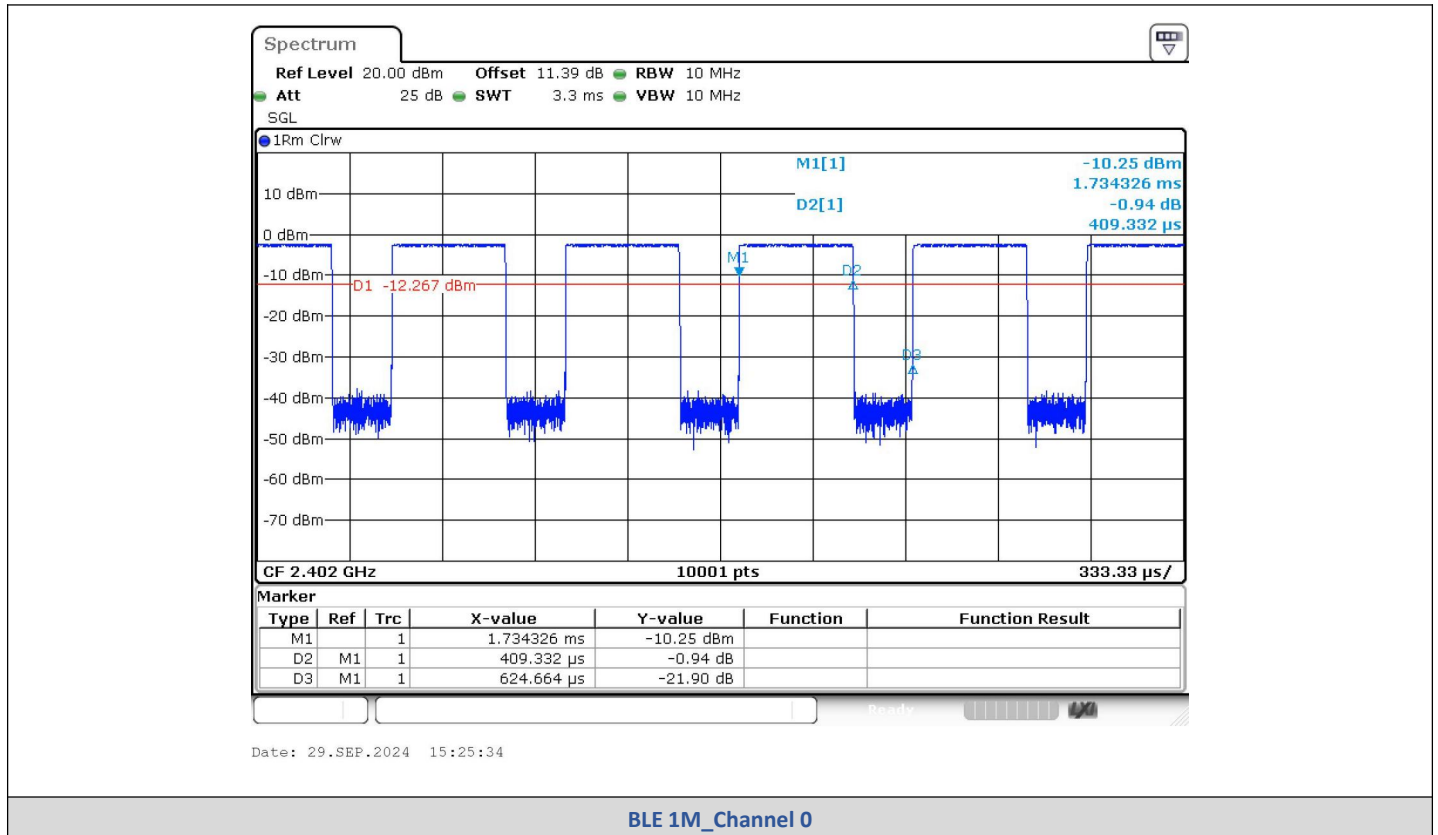
BLE 1M_Channel 39

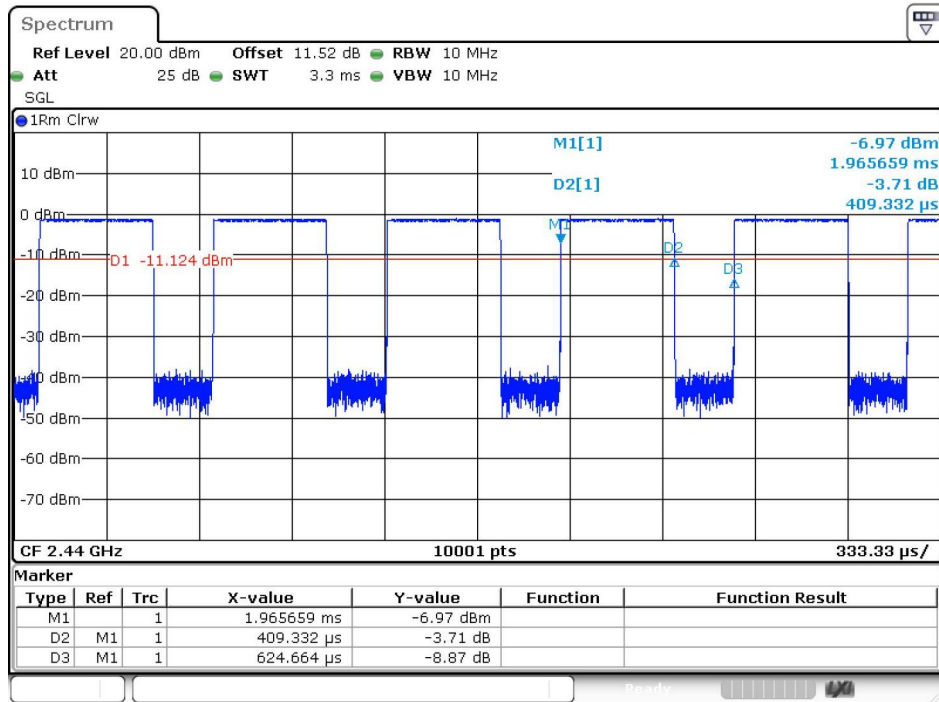
LEFT:

Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	0.409	0.625	65.53	0.6553	1.8356	2.44
	19	0.409	0.625	65.53	0.6553	1.8356	2.44
	39	0.409	0.625	65.53	0.6553	1.8356	2.44

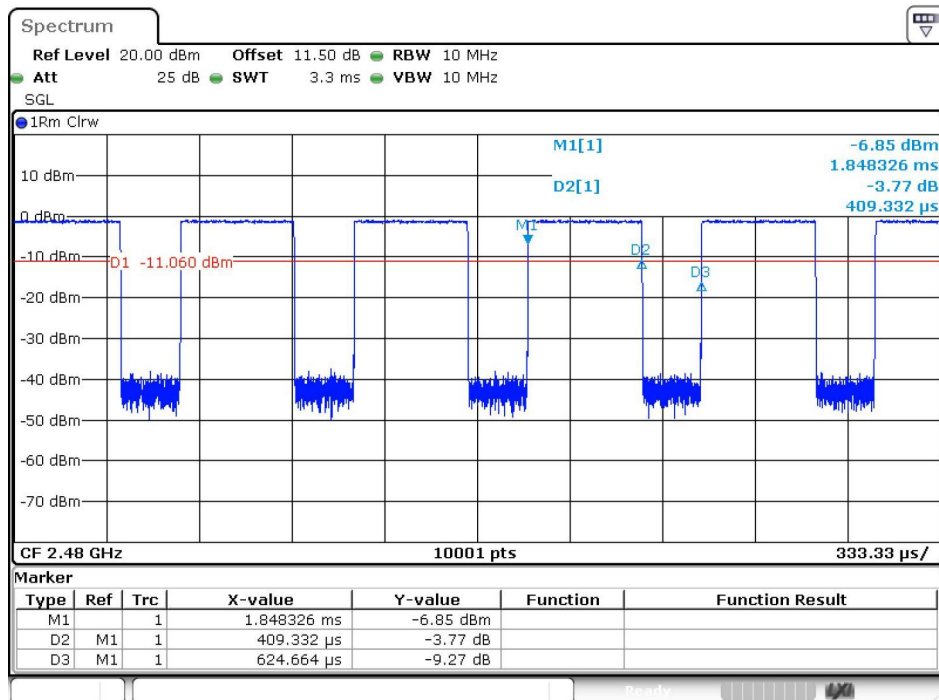
Test Graphs





Date: 29.SEP.2024 15:28:28

BLE 1M_Channel 19



Date: 29.SEP.2024 15:32:00

BLE 1M_Channel 39

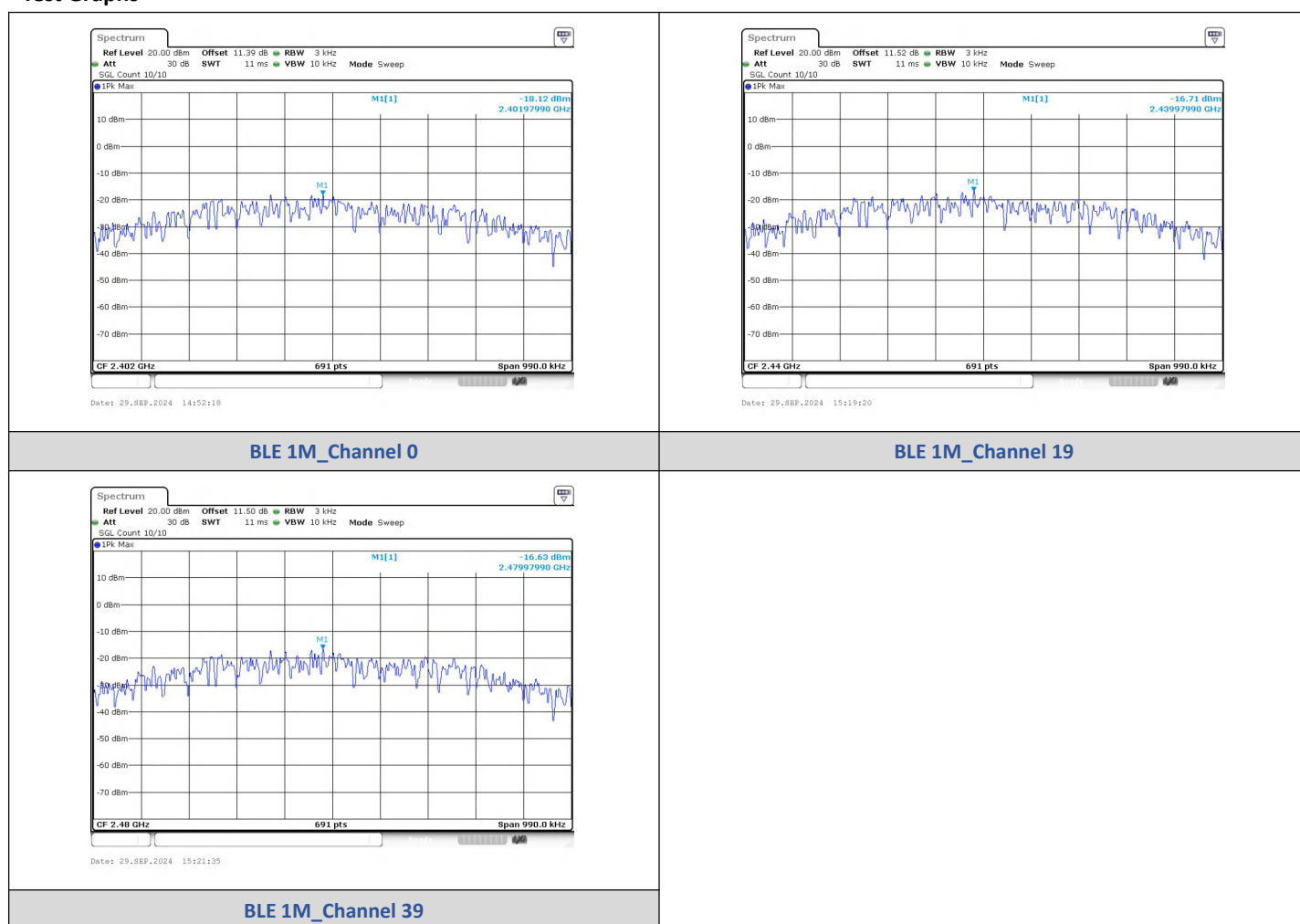
6) Power Spectral Density

RIGHT:

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-18.12	≤8	PASS
BLE 1M	19	-16.71	≤8	PASS
BLE 1M	39	-16.63	≤8	PASS

Test Graphs



LEFT:

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-18.11	≤8	PASS
BLE 1M	19	-16.74	≤8	PASS
BLE 1M	39	-16.67	≤8	PASS

Test Graphs

