

Appendix B

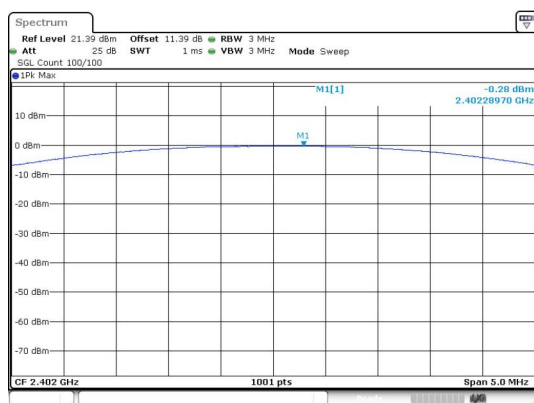
Report No.:	CISRR24070101102
FCC ID:	2BHID-M60
Product Name:	M60 Spaceship Bluetooth Sound System
Model No.:	M60
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

1) Conducted Peak Output Power

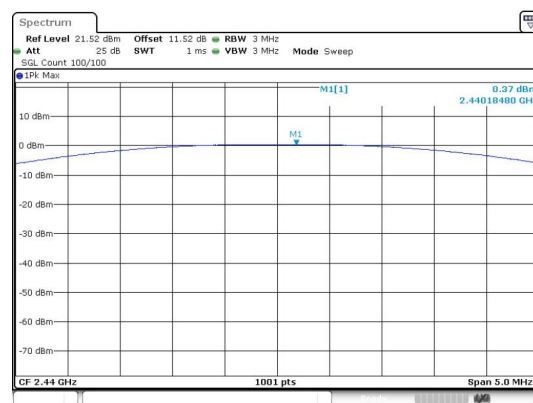
Test Result

Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
GFSK	LE	0	-0.28	0.94	30	PASS
		19	0.37	1.09		PASS
		39	1.34	1.36		PASS
GFSK	2LE	0	-0.25	0.94		PASS
		19	0.40	1.1		PASS
		39	1.27	1.34		PASS

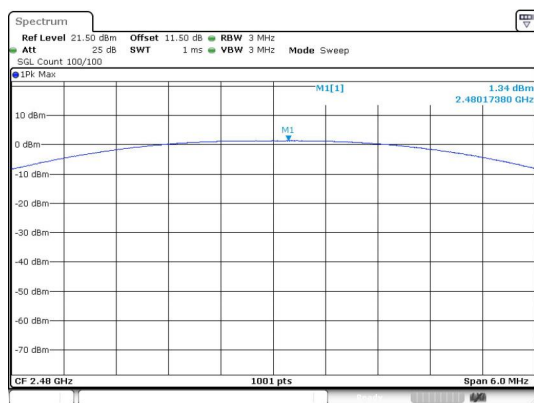
Test Graphs



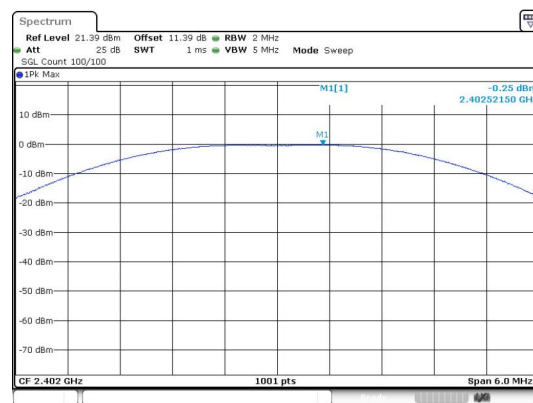
Peak Output Power
BLE 1M_Channel 0



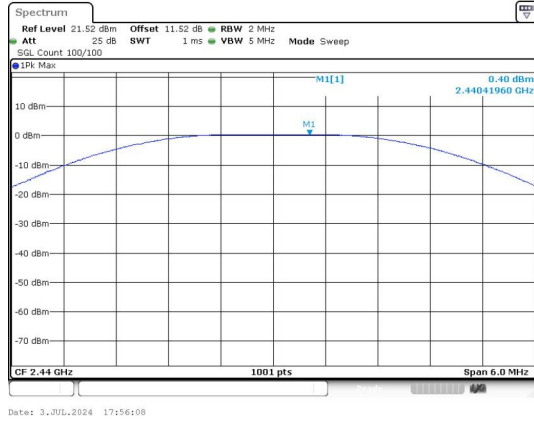
Peak Output Power
BLE 1M_Channel 19



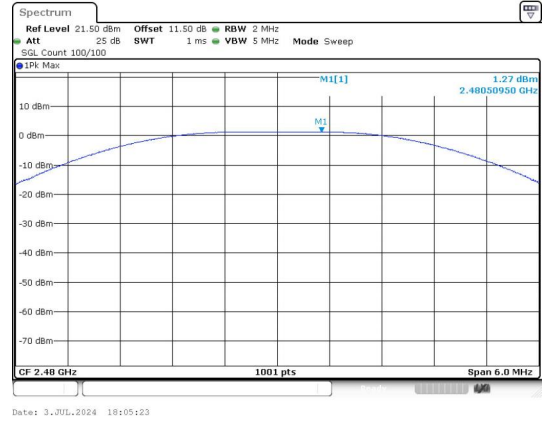
Peak Output Power
BLE 1M_Channel 39



Peak Output Power
BLE 2M_Channel 0



Peak Output Power
BLE 2M_Channel 19



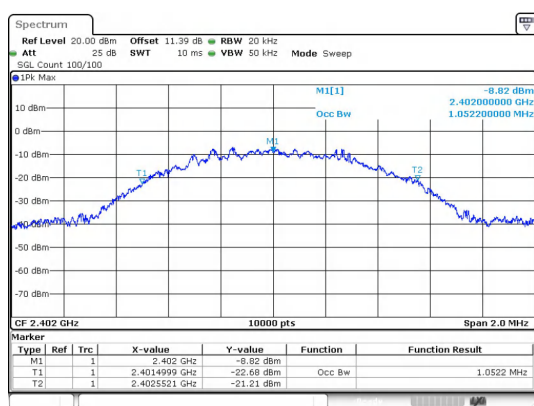
Peak Output Power
BLE 2M_Channel 39

2) 99% Bandwidth

Test Result

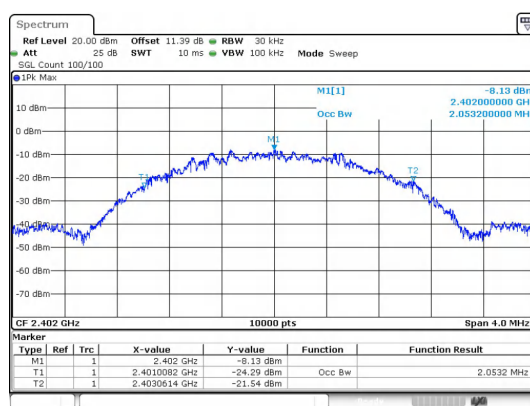
Mode	Channel	99% BW (MHz)
LE	0	1.0522
LE	19	1.0624
LE	39	1.0804
BLE 2M	0	2.0532
BLE 2M	19	2.0560
BLE 2M	39	2.0628

Test Graphs



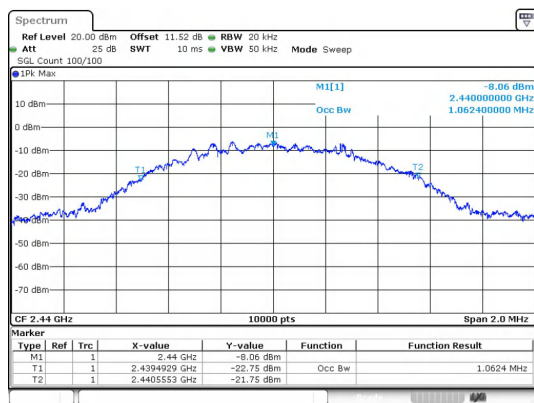
Date: 3.JUL.2024 17:42:32

BLE 1M_Channel 0



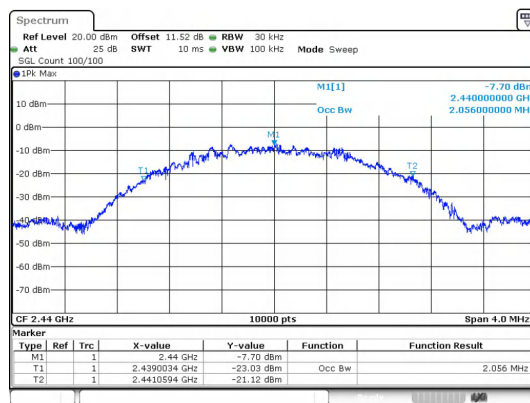
Date: 3.JUL.2024 17:52:55

BLE 2M_Channel 0



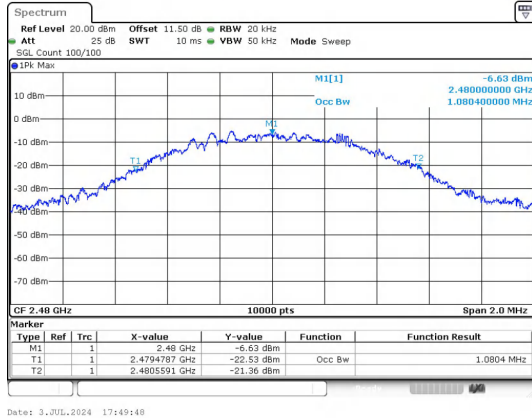
Date: 3.JUL.2024 17:46:49

BLE 1M_Channel 19

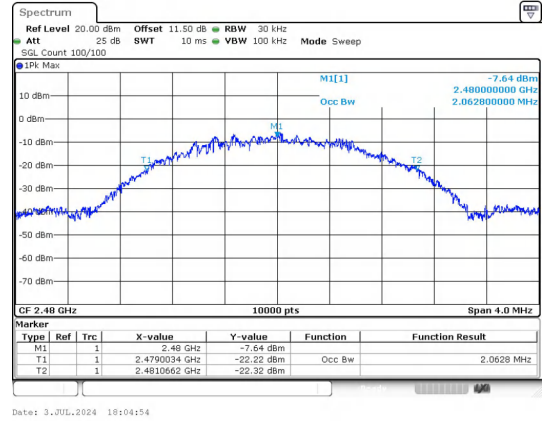


Date: 3.JUL.2024 17:55:29

BLE 2M_Channel 19



BLE 1M_Channel 39



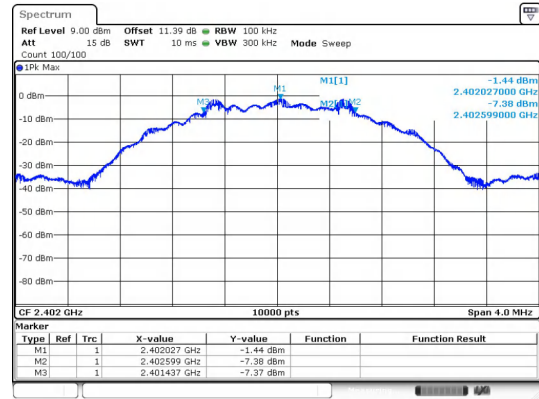
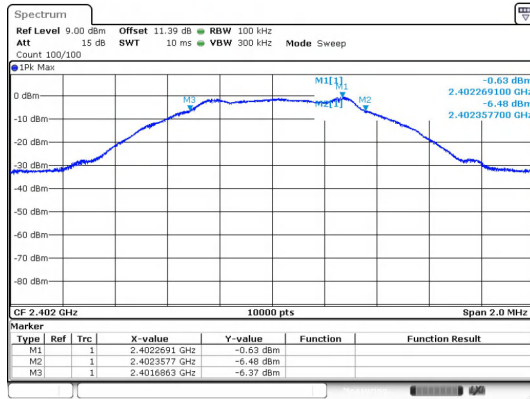
BLE 2M_Channel 39

3) 6dB Bandwidth

Test Result

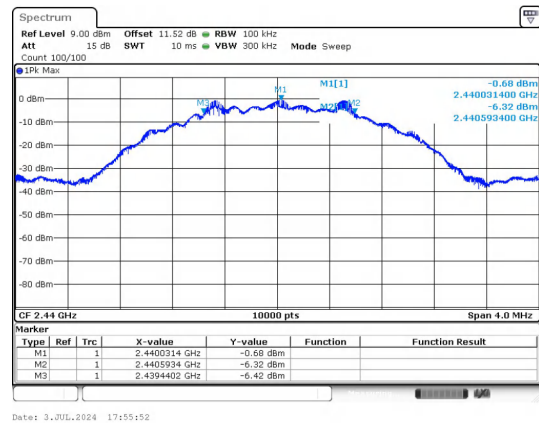
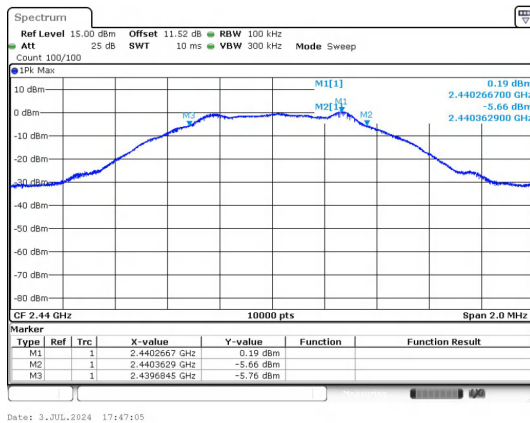
Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
LE	0	2402	0.6700	0.5	PASS
	19	2440	0.6800		PASS
	39	2480	0.6900		PASS
2LE	0	2402	1.160		PASS
	19	2440	1.150		PASS
	39	2480	1.160		PASS

Test Graphs



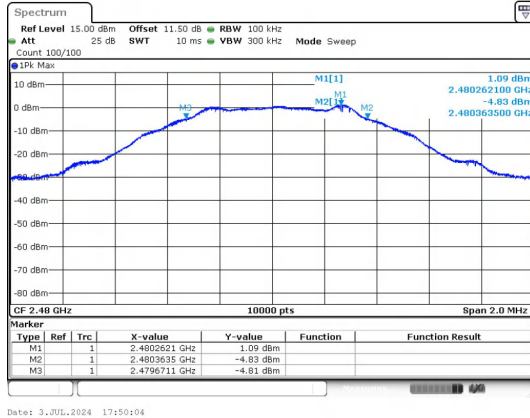
BLE 1M_Channel 0

BLE 2M_Channel 0

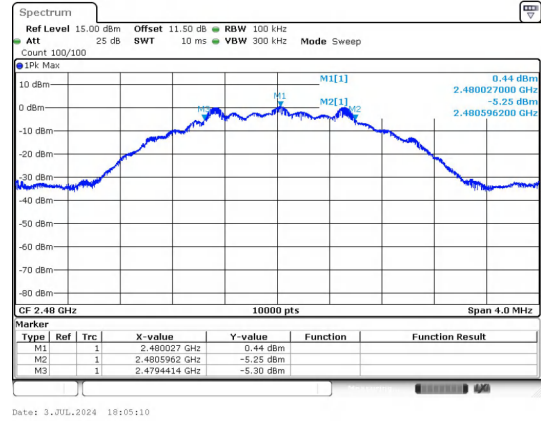


BLE 1M_Channel 19

BLE 2M_Channel 19



BLE 1M_Channel 39



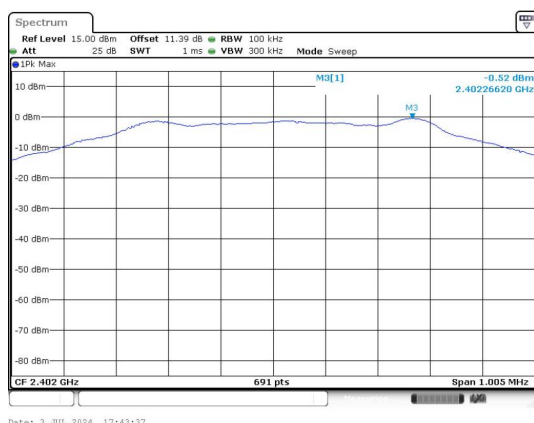
BLE 2M_Channel 39

4) Conducted Out Of Band Emission

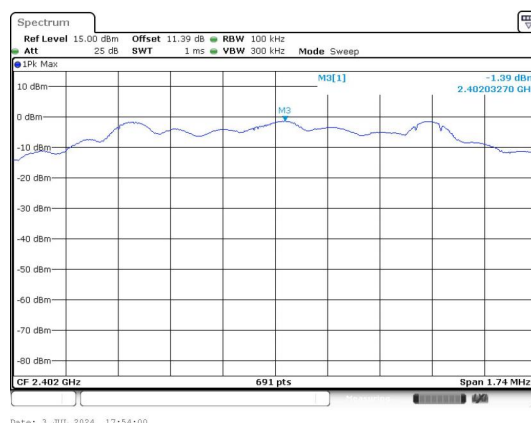
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
LE	0	2400.00	-47.682	-20.52	-27.162	PASS
		4804.68	-46.998	-20.52	-26.478	PASS
	19	4880.42	-45.184	-19.83	-25.354	PASS
	39	2483.50	-51.044	-18.89	-32.154	PASS
		4959.49	-44.396	-18.89	-25.506	PASS
2LE	0	2400.00	-34.483	-21.39	-13.093	PASS
		4804.68	-48.854	-21.39	-27.464	PASS
	19	4878.76	-44.854	-20.63	-24.224	PASS
	39	2483.50	-49.603	-19.64	-29.963	PASS
		4959.49	-48.441	-19.64	-28.801	PASS

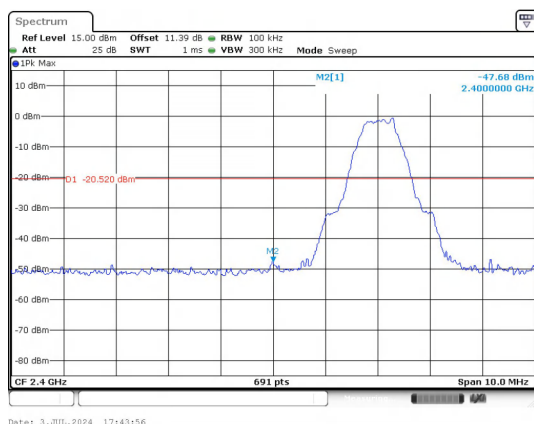
Test Graphs



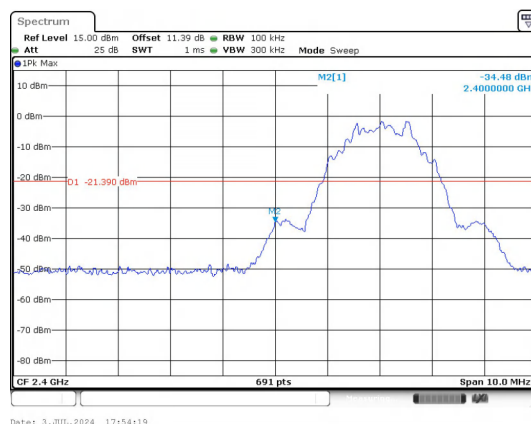
In-Band Reference Level
BLE 1M_Channel 0



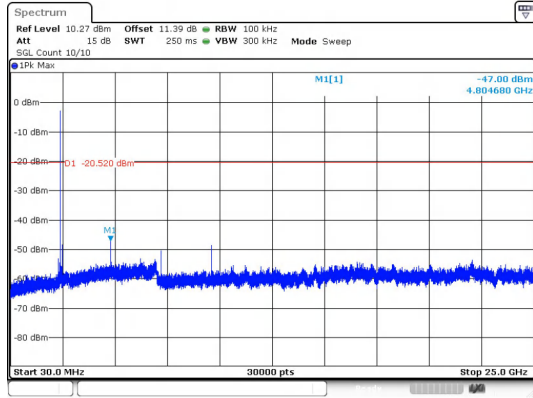
In-Band Reference Level
BLE 2M_Channel 0



Out Of Band Emission
BLE 1M_Channel 0

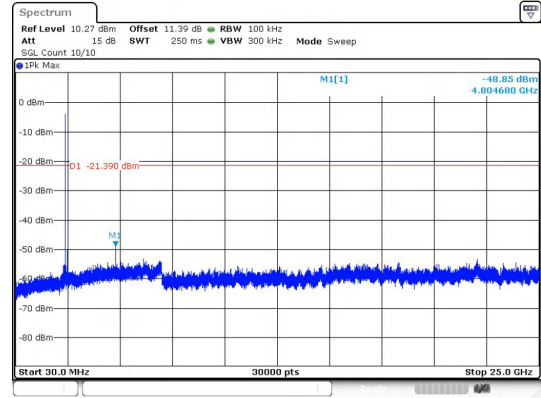


Out Of Band Emission
BLE 2M_Channel 0



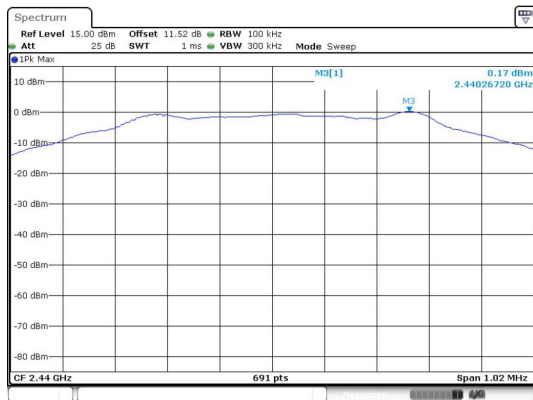
Date: 3.JUL.2024 17:44:18

30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0



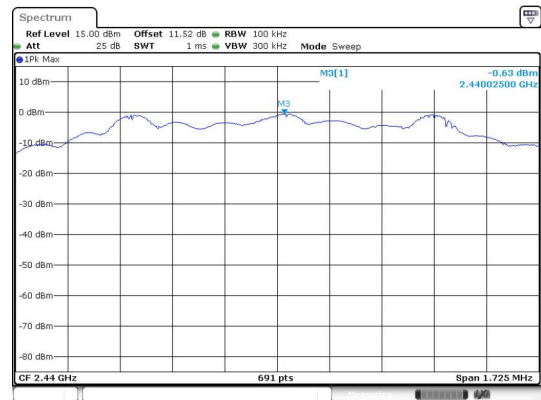
Date: 3.JUL.2024 17:54:41

30.0 MHz - 25000.0 MHz
BLE 2M_Channel 0



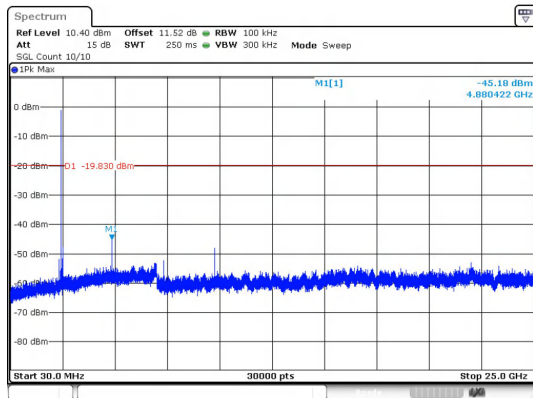
Date: 3.JUL.2024 17:47:43

In-Band Reference Level
BLE 1M_Channel 19



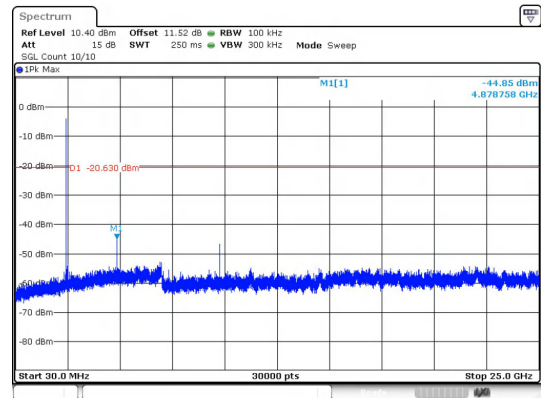
Date: 3.JUL.2024 17:56:34

In-Band Reference Level
BLE 2M_Channel 19



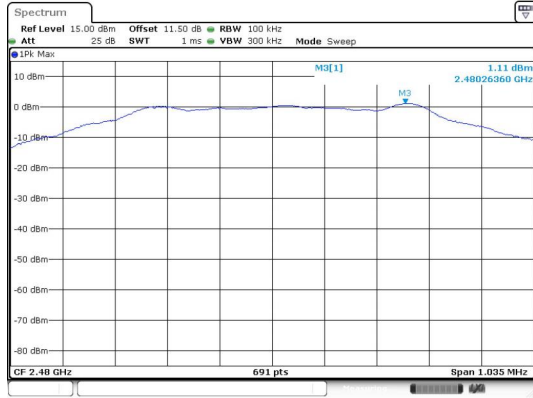
Date: 3.JUL.2024 17:48:07

30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19

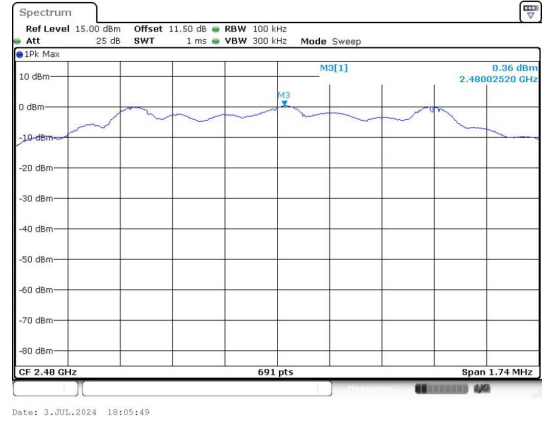


Date: 3.JUL.2024 17:56:58

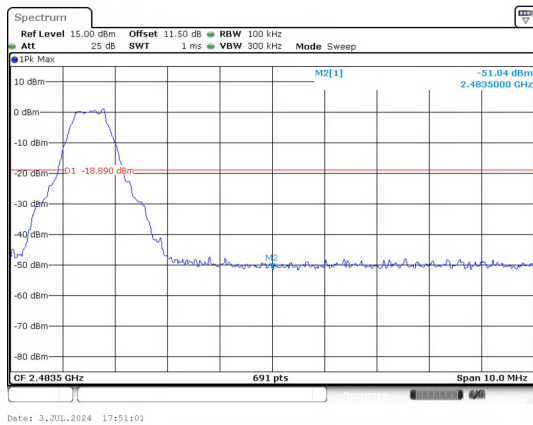
30.0 MHz - 25000.0 MHz
BLE 2M_Channel 19



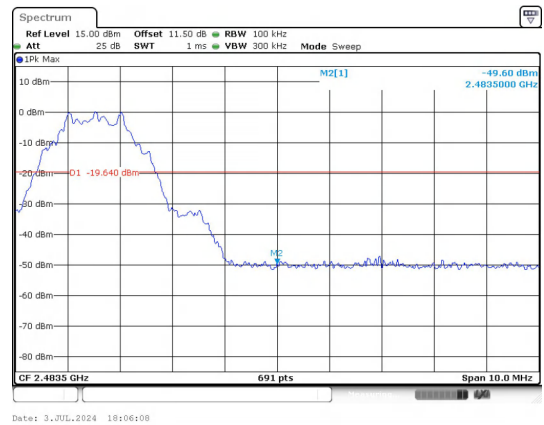
In-Band Reference Level
BLE 1M_Channel 39



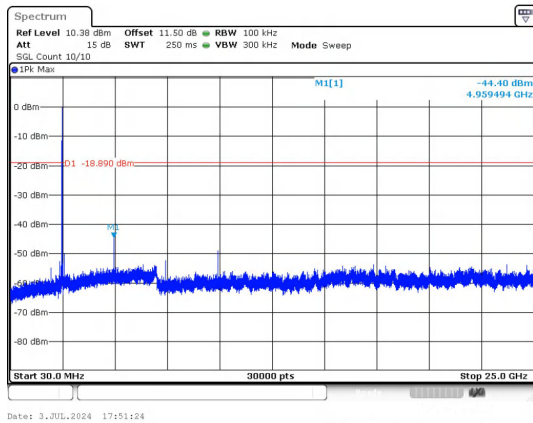
In-Band Reference Level
BLE 2M_Channel 39



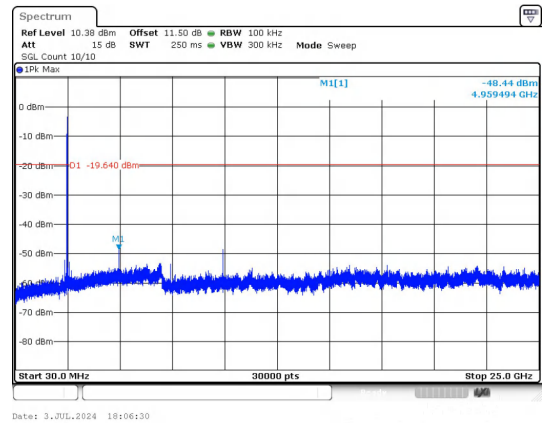
Out Of Band Emission
BLE 1M_Channel 39



Out Of Band Emission
BLE 2M_Channel 39



30.0 MHz - 25000.0 MHz
BLE 1M_Channel 39



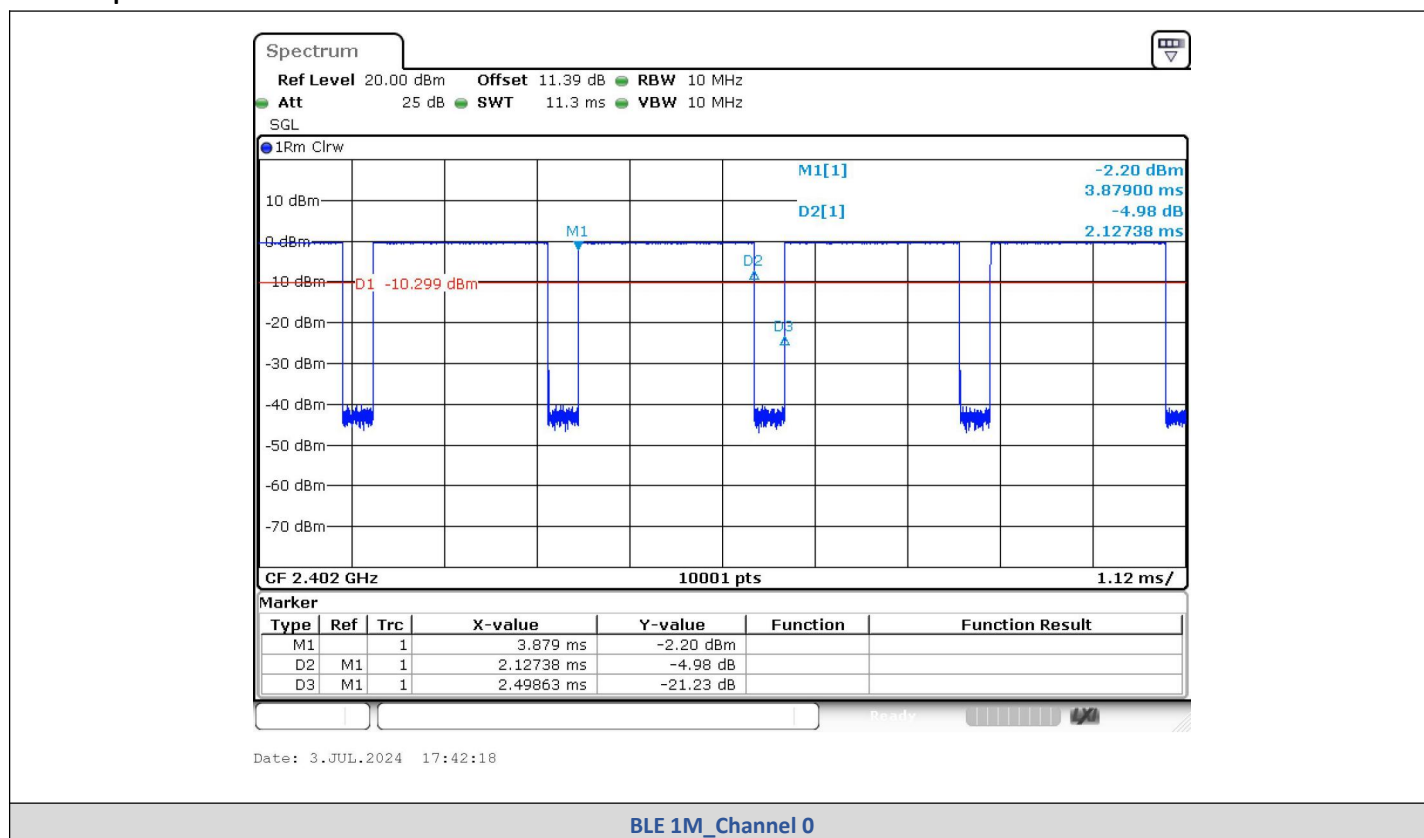
30.0 MHz - 25000.0 MHz
BLE 2M_Channel 39

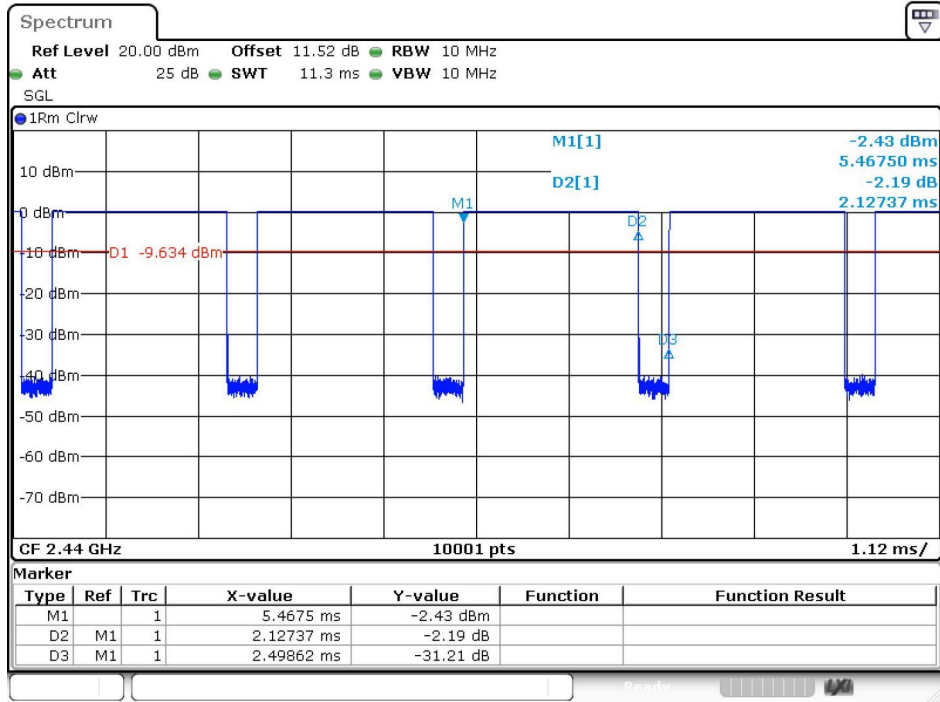
5) Duty Cycle

Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
LE	0	2.127	2.499	85.14	0.8514	0.6987	0.47
	19	2.127	2.499	85.14	0.8514	0.6987	0.47
	39	2.127	2.500	85.10	0.8510	0.7007	0.47
2LE	0	1.075	2.499	43.04	0.4304	3.6613	0.93
	19	1.074	2.499	43.00	0.4300	3.6653	0.93
	39	1.075	2.499	43.04	0.4304	3.6613	0.93

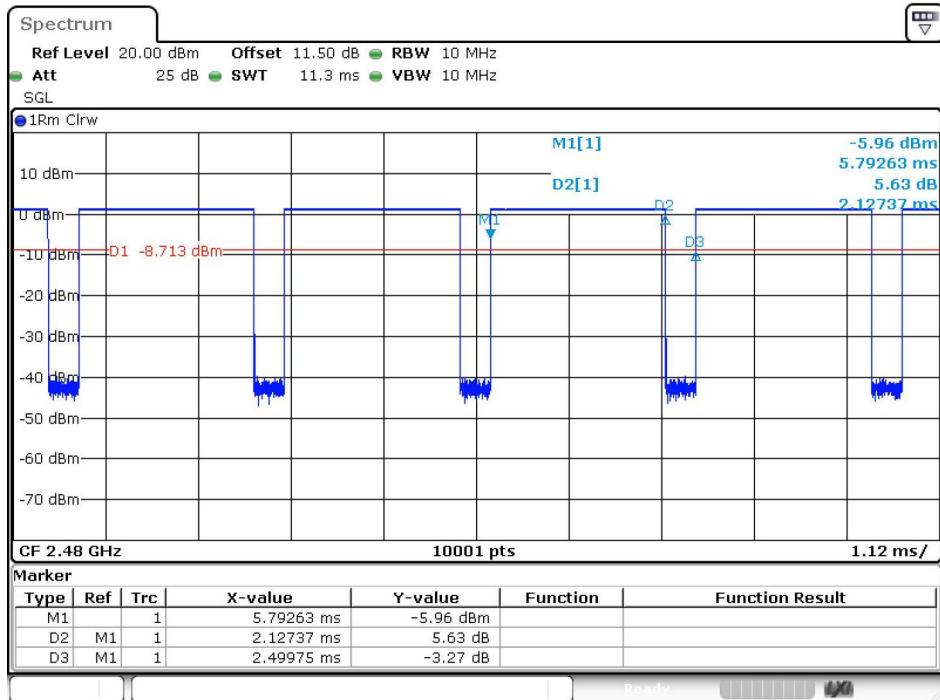
Test Graphs





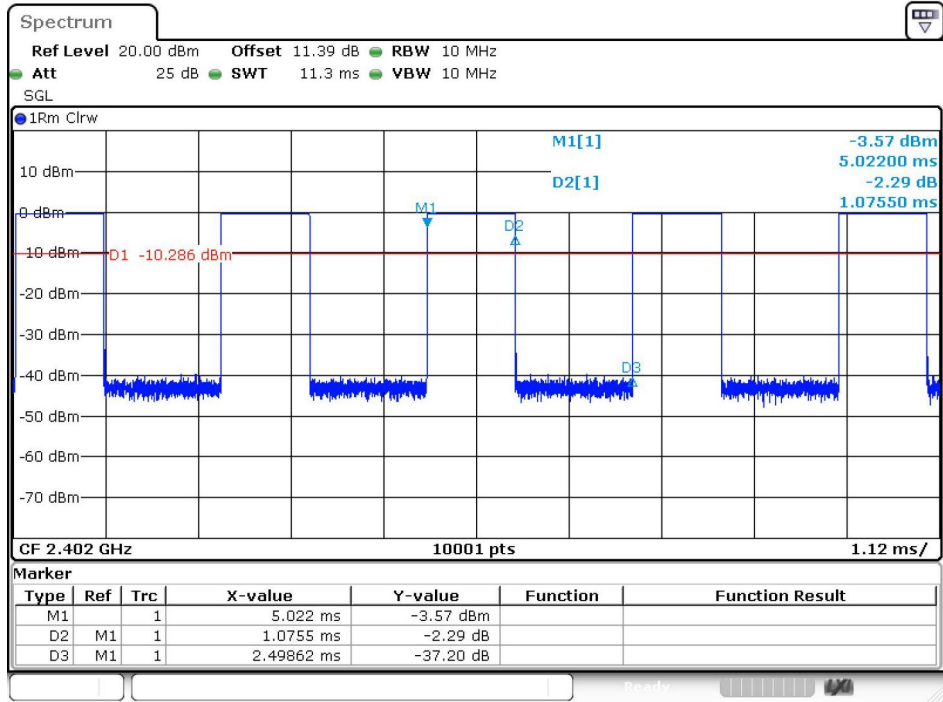
Date: 3.JUL.2024 17:46:34

BLE 1M_Channel 19



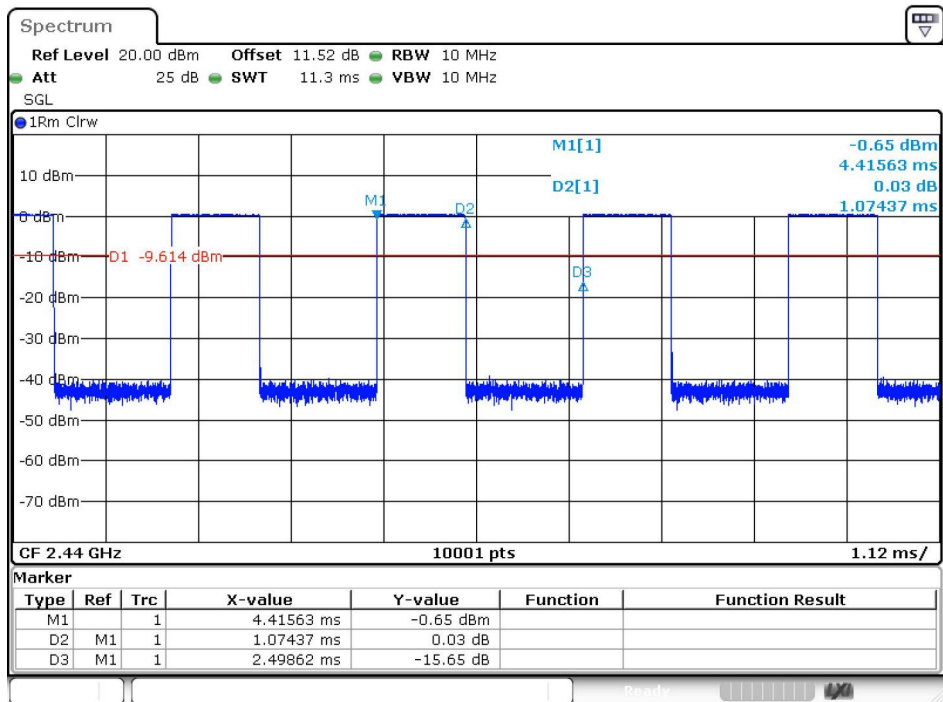
Date: 3.JUL.2024 17:49:34

BLE 1M_Channel 39



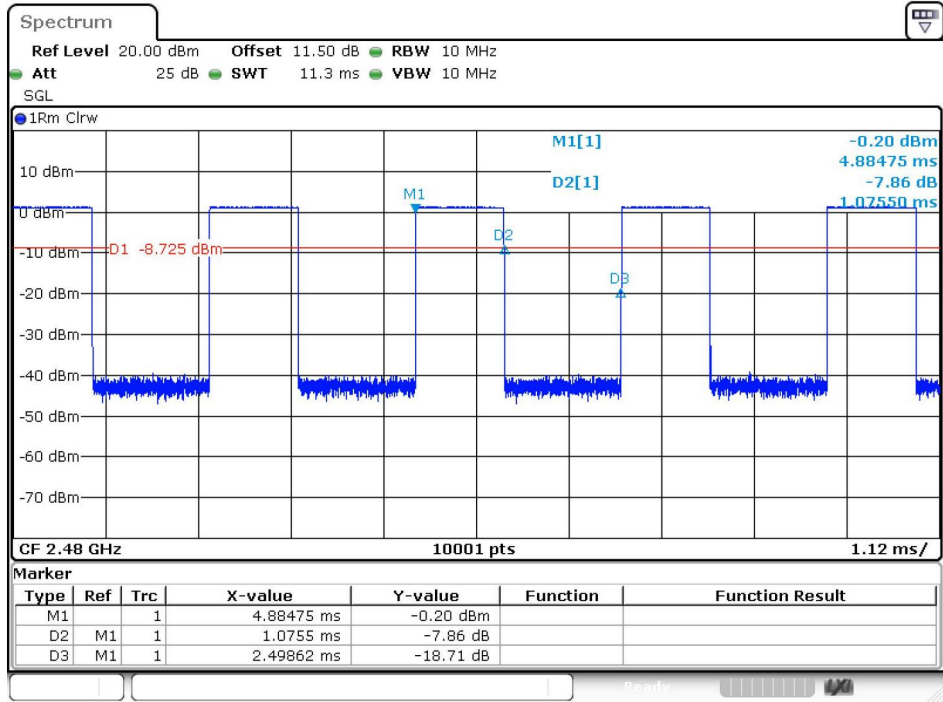
Date: 3.JUL.2024 17:52:41

BLE 2M_Channel 0



Date: 3.JUL.2024 17:55:15

BLE 2M_Channel 19



Date: 3.JUL.2024 18:04:40

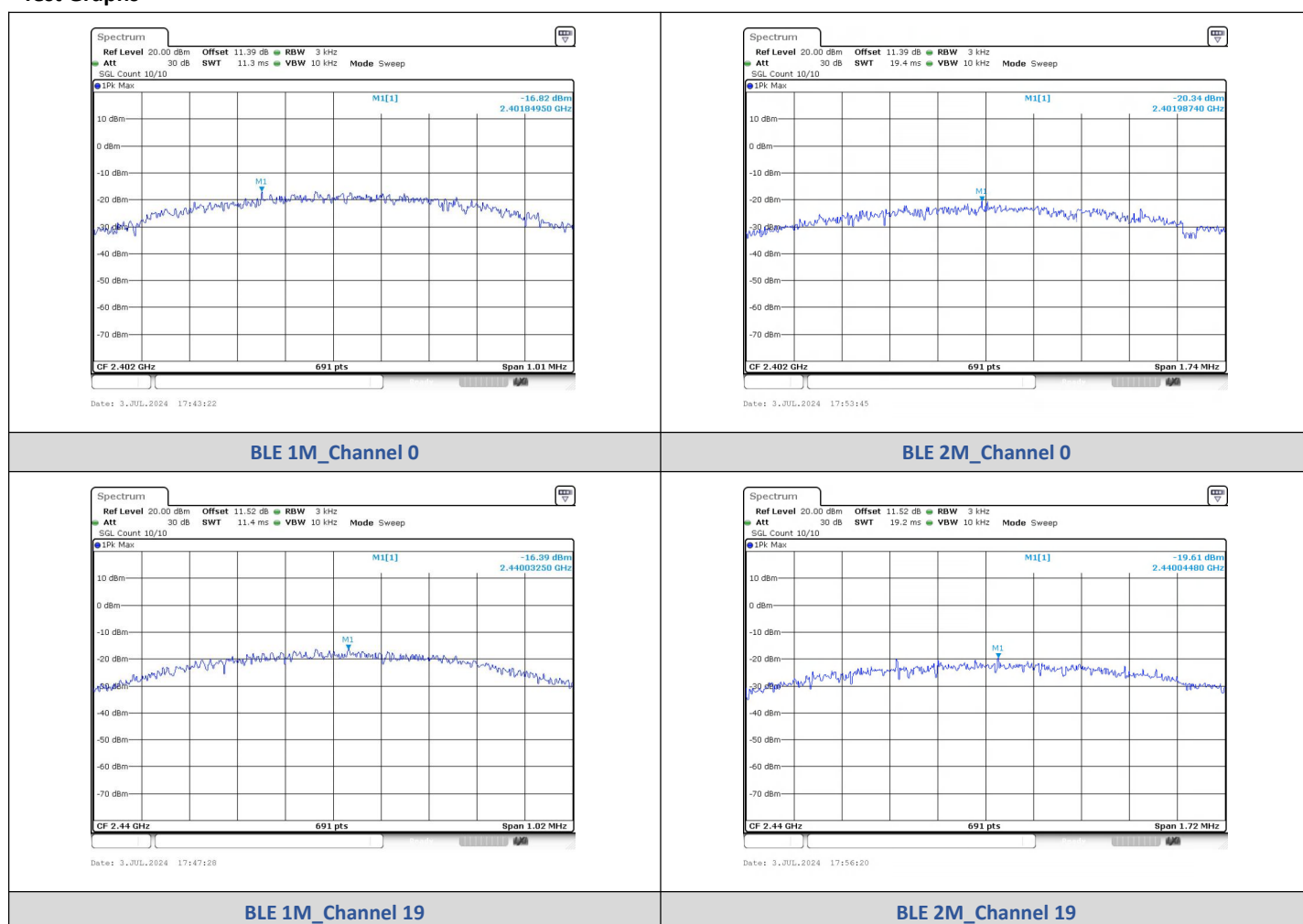
BLE 2M_Channel 39

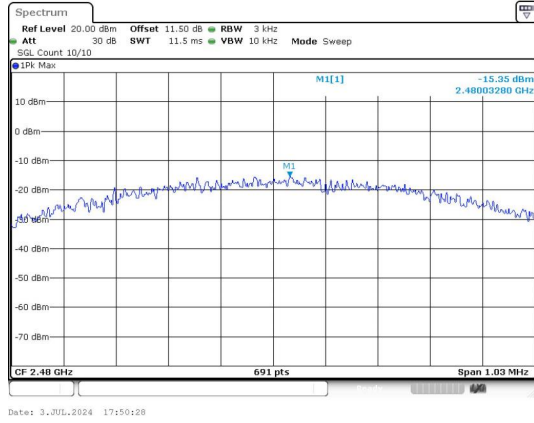
6) Power Spectral Density

Test Result

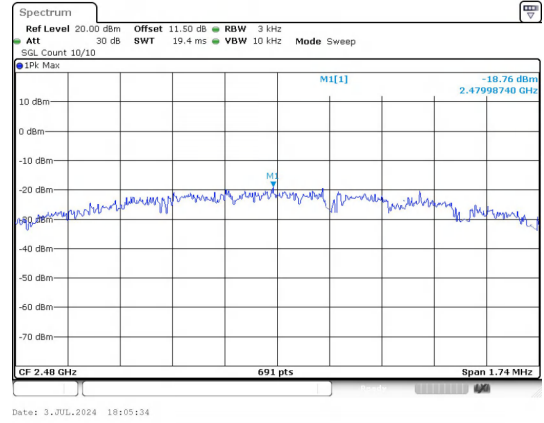
Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
LE	0	-16.815	8	PASS
LE	19	-16.392	8	PASS
LE	39	-15.350	8	PASS
2LE	0	-20.341	8	PASS
2LE	19	-19.607	8	PASS
2LE	39	-18.761	8	PASS

Test Graphs





BLE 1M_Channel 39



BLE 2M_Channel 39