

Appendix

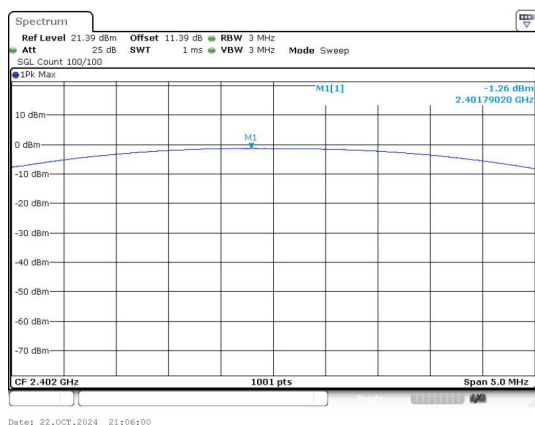
Report No.:	CISRR24101709901
FCC ID:	2BFQI-Q7
Product Name:	mouse
Model No.:	Q7
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

1) Conducted Output Power

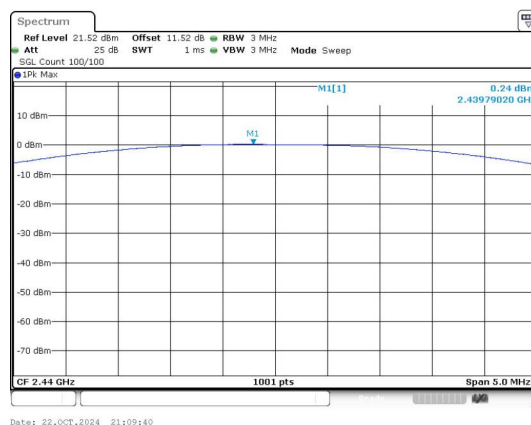
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	-1.26	0.75	≤30	PASS
	19	0.24	1.06	≤30	PASS
	39	1.43	1.39	≤30	PASS
BLE 2M	0	-1.24	0.75	≤30	PASS
	19	0.45	1.11	≤30	PASS
	39	1.81	1.52	≤30	PASS

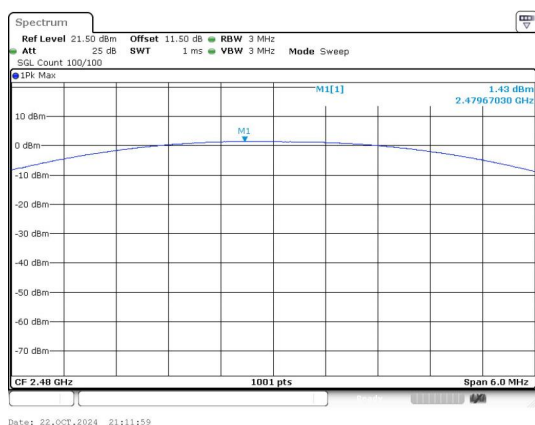
Test Graphs



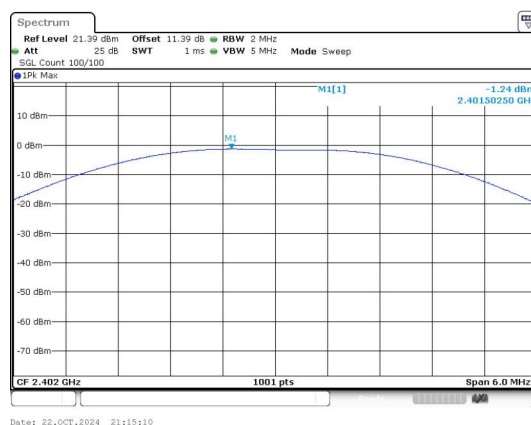
Peak Output Power
BLE 1M_Channel 0



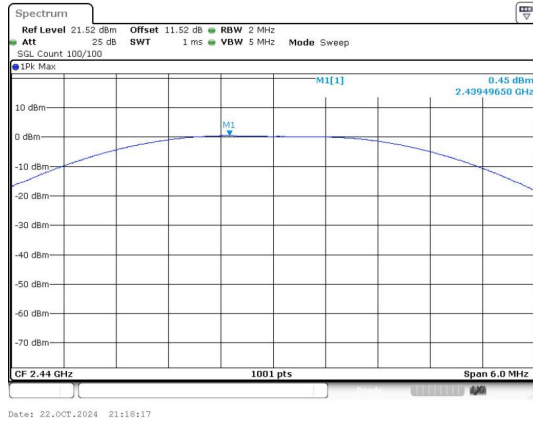
Peak Output Power
BLE 1M_Channel 19



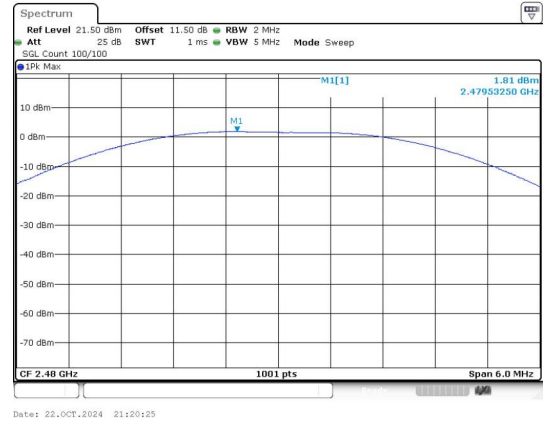
Peak Output Power
BLE 1M_Channel 39



Peak Output Power
BLE 2M_Channel 0



Peak Output Power
BLE 2M_Channel 19



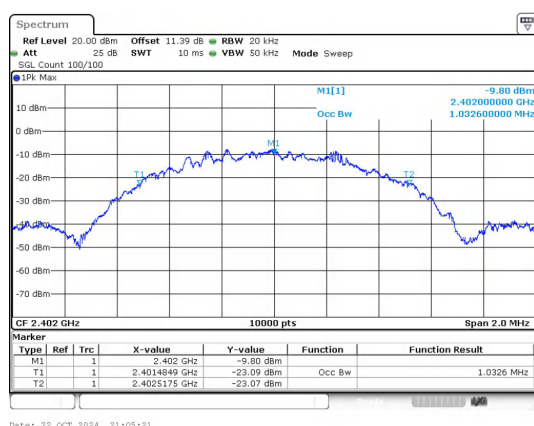
Peak Output Power
BLE 2M_Channel 39

2) 99% Bandwidth

Test Result

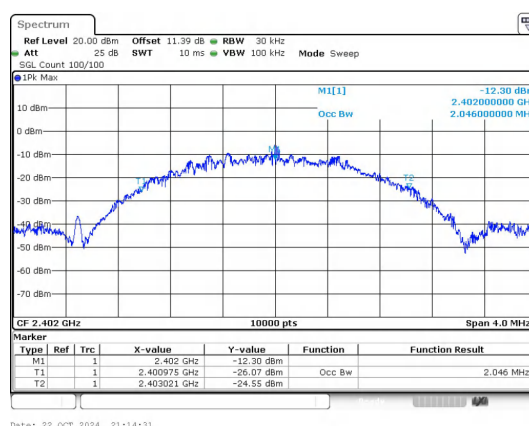
Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0326
BLE 1M	19	2440	1.0352
BLE 1M	39	2480	1.0320
BLE 2M	0	2402	2.0460
BLE 2M	19	2440	2.0608
BLE 2M	39	2480	2.0368

Test Graphs



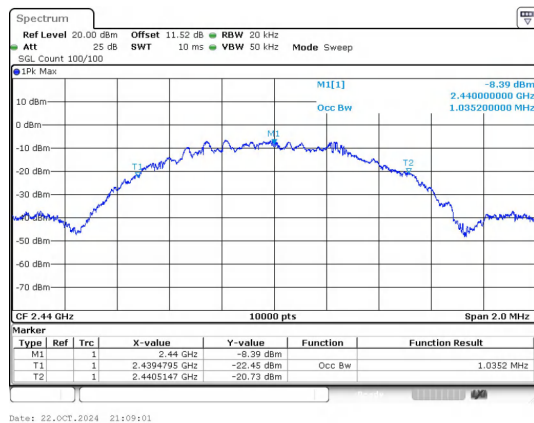
Date: 22.OCT.2024 21:09:21

BLE 1M_Channel 0



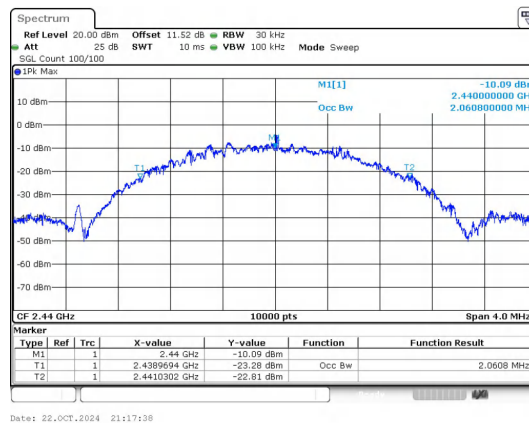
Date: 22.OCT.2024 21:14:31

BLE 2M_Channel 0



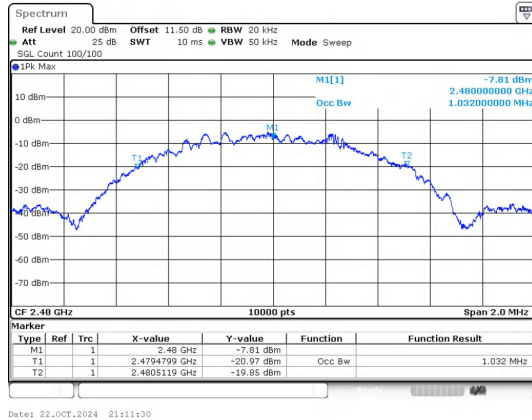
Date: 22.OCT.2024 21:09:01

BLE 1M_Channel 19

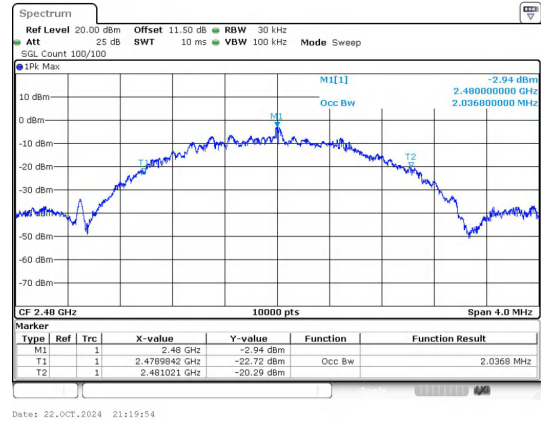


Date: 22.OCT.2024 21:17:38

BLE 2M_Channel 19



BLE 1M_Channel 39



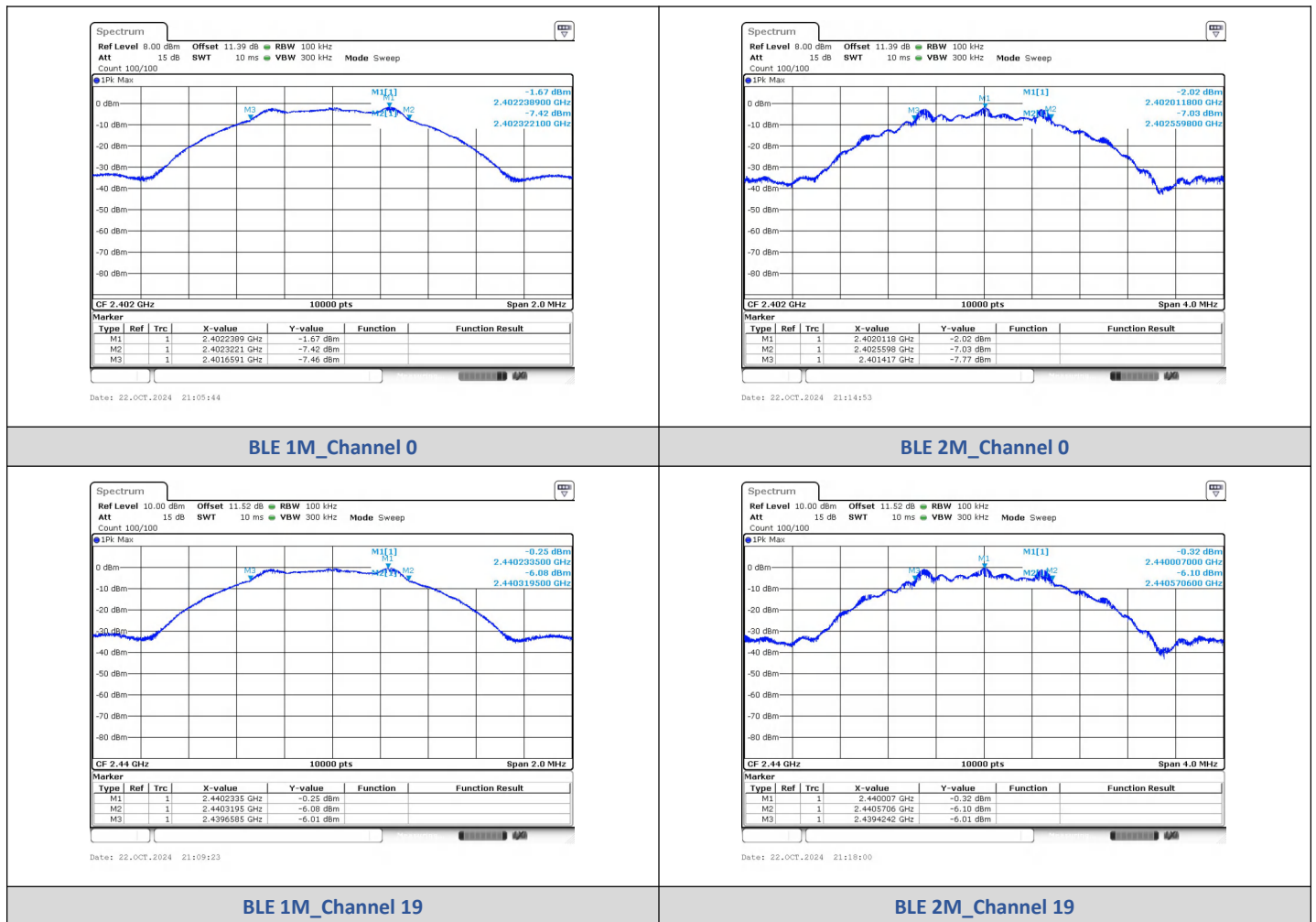
BLE 2M_Channel 39

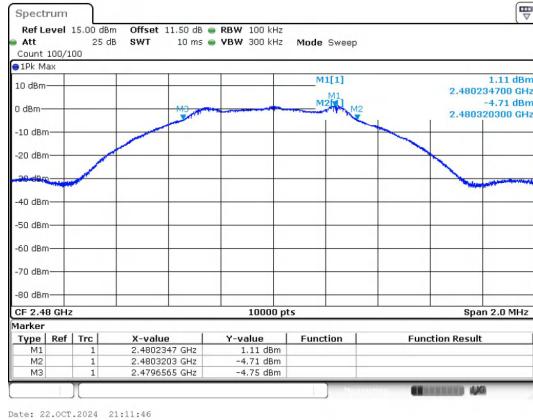
3) 6dB Bandwidth

Test Result

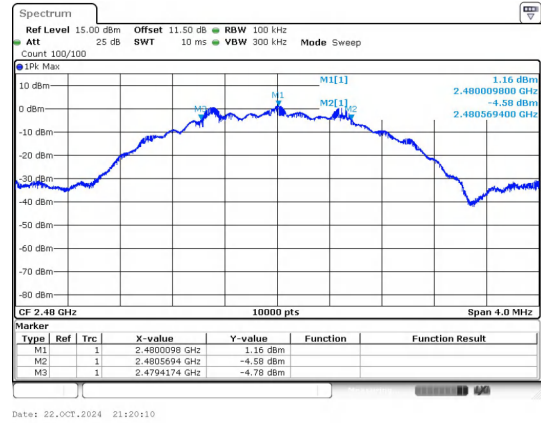
Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6600	≥0.5	PASS
	19	2440	0.6600		PASS
	39	2480	0.6600		PASS
BLE 2M	0	2402	1.140		PASS
	19	2440	1.150		PASS
	39	2480	1.150		PASS

Test Graphs





BLE 1M_Channel 39



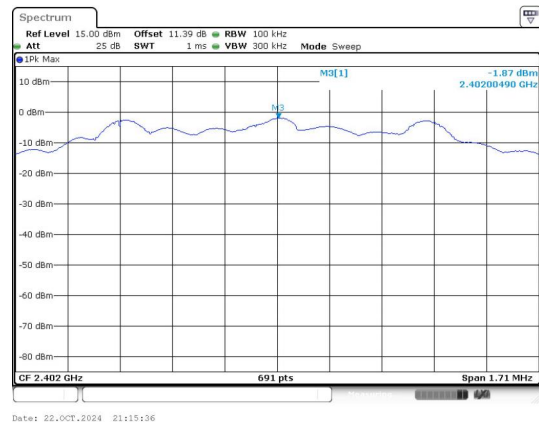
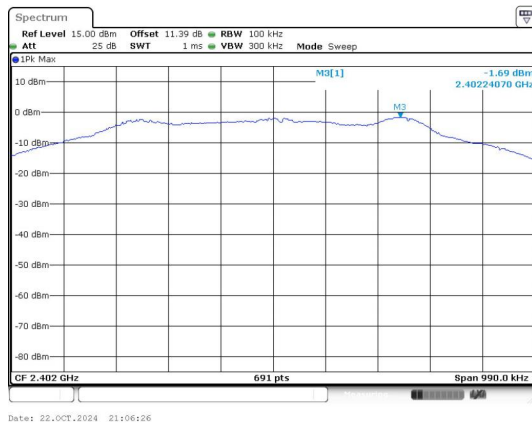
BLE 2M_Channel 39

4) Conducted Out Of Band Emission

Test Result

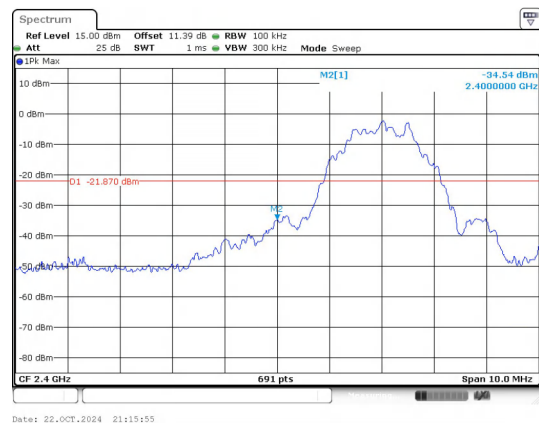
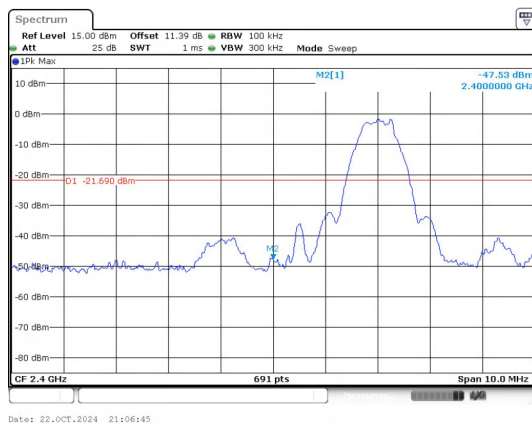
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2399.00	-41.025	-21.69	-19.335	PASS
		2400.00	-48.279	-21.69	-26.589	PASS
		9602.20	-44.416	-21.69	-22.726	PASS
	19	9753.73	-40.840	-20.14	-20.700	PASS
		2483.50	-47.693	-18.9	-28.793	PASS
		9914.37	-41.503	-18.9	-22.603	PASS
BLE 2M	0	2400.00	-34.545	-21.87	-12.675	PASS
		9602.25	-45.153	-21.87	-23.283	PASS
	19	9753.73	-41.338	-20.19	-21.148	PASS
		2483.50	-49.341	-18.77	-30.571	PASS
	39	9914.37	-41.931	-18.77	-23.161	PASS

Test Graphs



In-Band Reference Level
BLE 1M_Channel 0

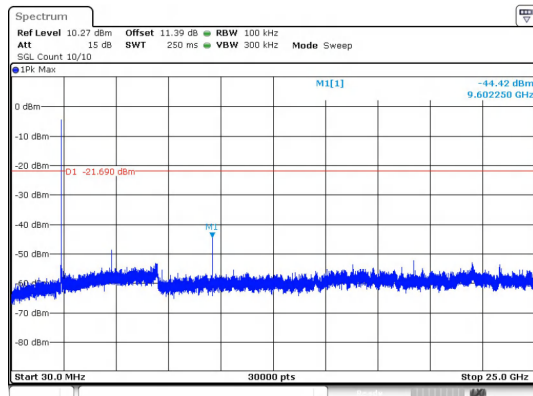
In-Band Reference Level
BLE 2M_Channel 0



Out Of Band Emission

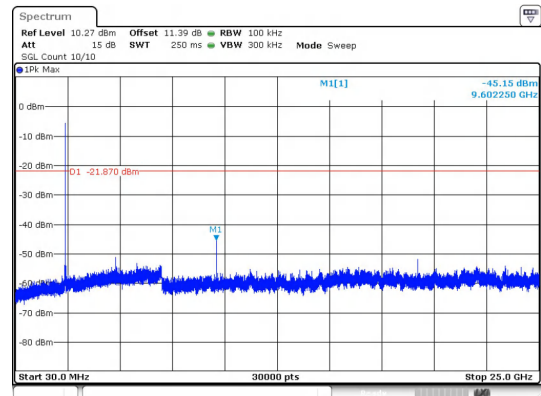
Out Of Band Emission

BLE 1M_Channel 0



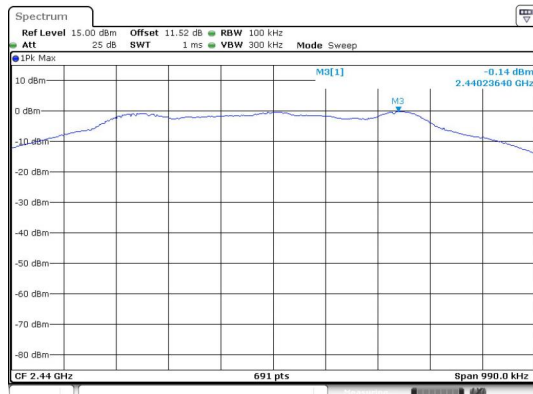
Date: 22.OCT.2024 21:07:08

BLE 2M_Channel 0



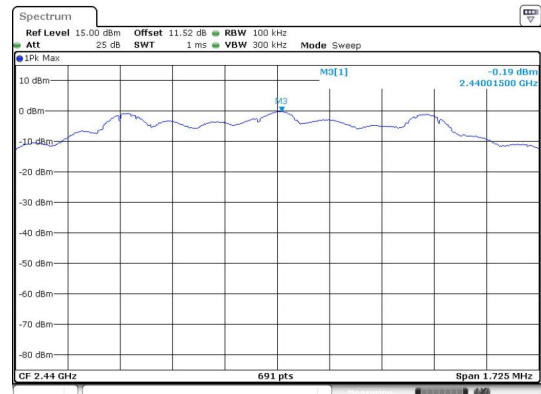
Date: 22.OCT.2024 21:16:17

30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0



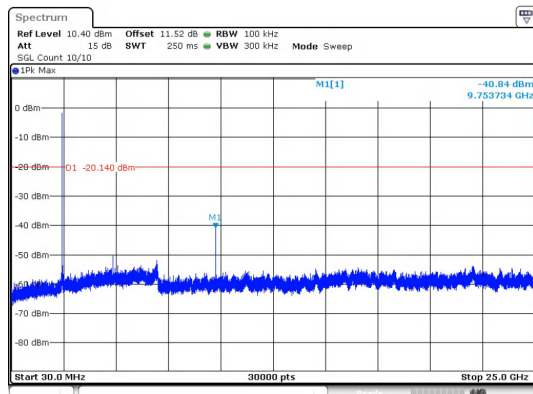
Date: 22.OCT.2024 21:10:05

30.0 MHz - 25000.0 MHz
BLE 2M_Channel 0



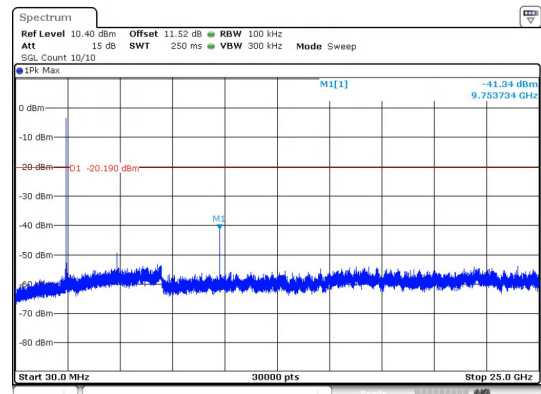
Date: 22.OCT.2024 21:18:42

In-Band Reference Level
BLE 1M_Channel 19



Date: 22.OCT.2024 21:10:30

In-Band Reference Level
BLE 2M_Channel 19



Date: 22.OCT.2024 21:19:07

30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19

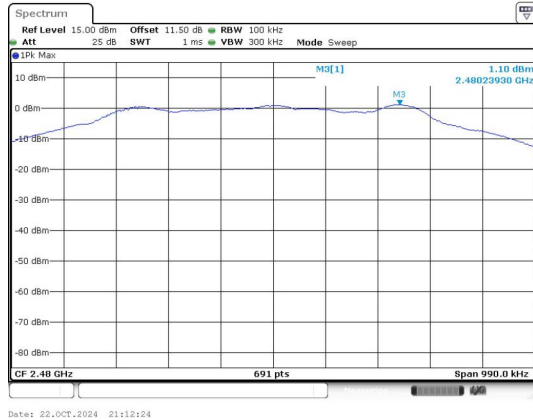


Date: 22.OCT.2024 21:10:30

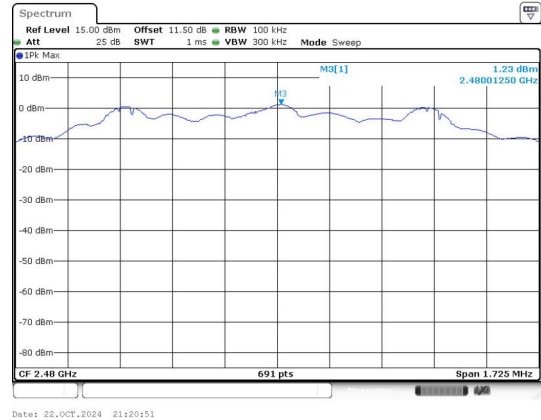
30.0 MHz - 25000.0 MHz
BLE 2M_Channel 19



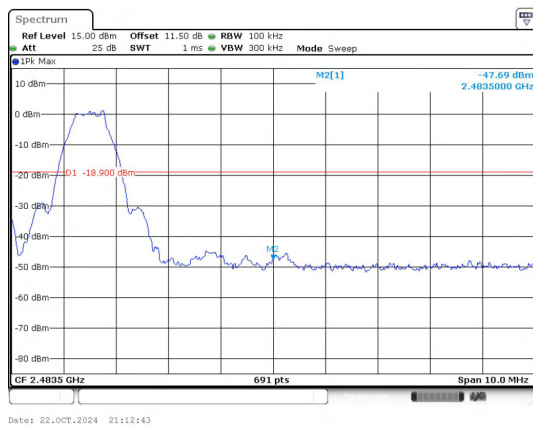
Date: 22.OCT.2024 21:19:07



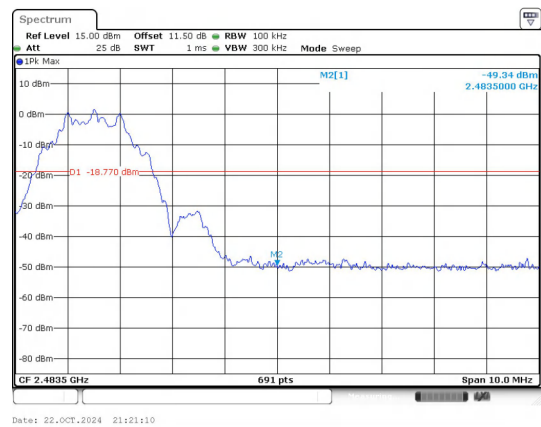
In-Band Reference Level
BLE 1M_Channel 39



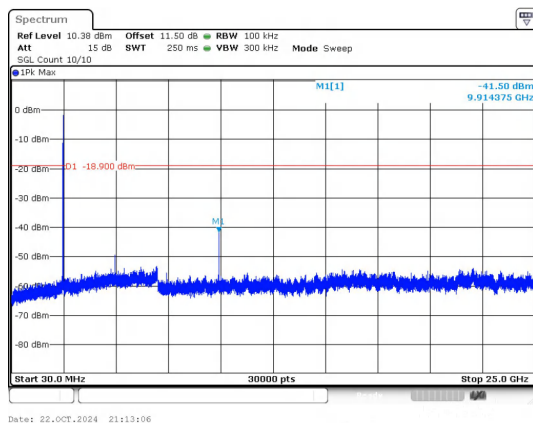
In-Band Reference Level
BLE 2M_Channel 39



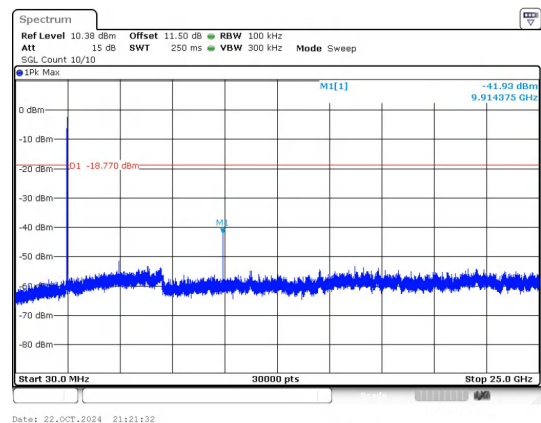
Out Of Band Emission
BLE 1M_Channel 39



Out Of Band Emission
BLE 2M_Channel 39



30.0 MHz - 25000.0 MHz
BLE 1M_Channel 39



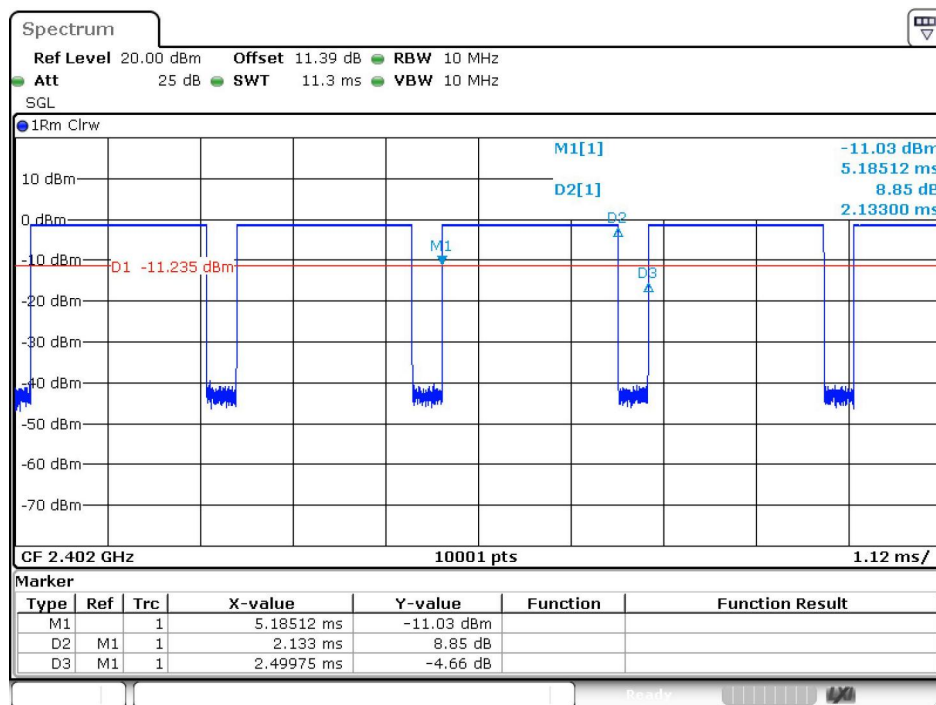
30.0 MHz - 25000.0 MHz
BLE 2M_Channel 39

5) Duty Cycle

Test Result

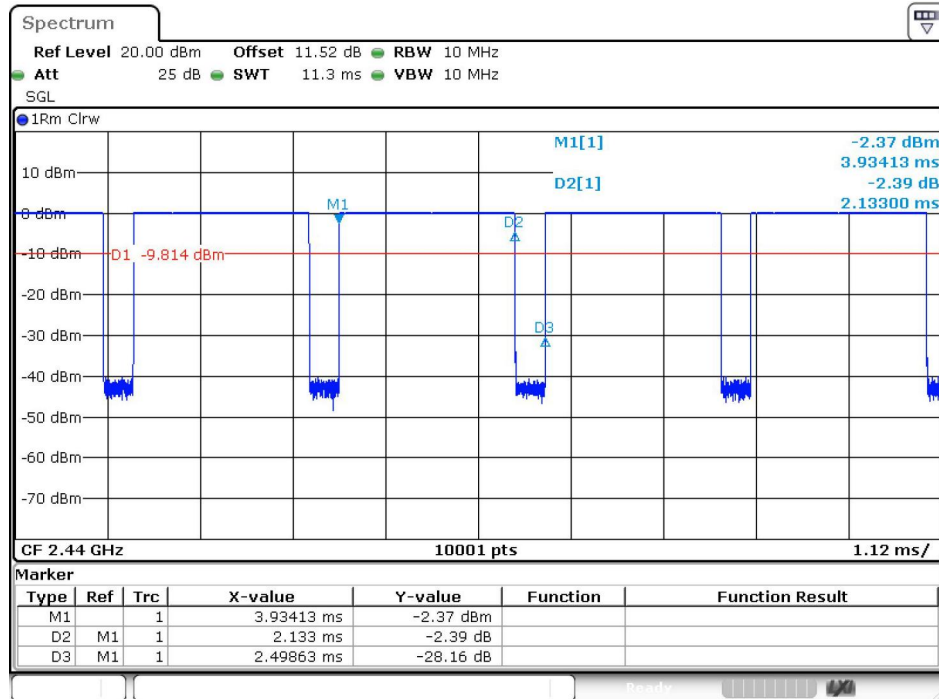
Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	2.133	2.500	85.33	0.8533	0.689	0.47
	19	2.133	2.499	85.37	0.8537	0.6869	0.47
	39	2.133	2.500	85.33	0.8533	0.689	0.47
BLE 2M	0	1.077	2.488	43.28	0.4328	3.6371	0.93
	19	1.081	2.499	43.27	0.4327	3.6381	0.93
	39	1.075	2.488	43.22	0.4322	3.6432	0.93

Test Graphs



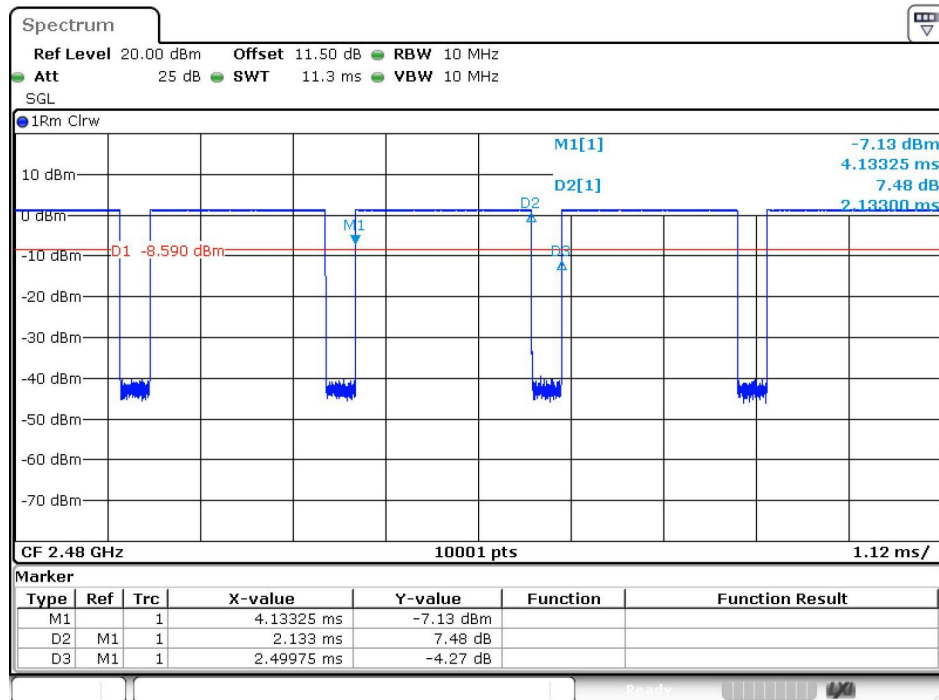
Date: 22.OCT.2024 21:05:07

BLE 1M_Channel 0



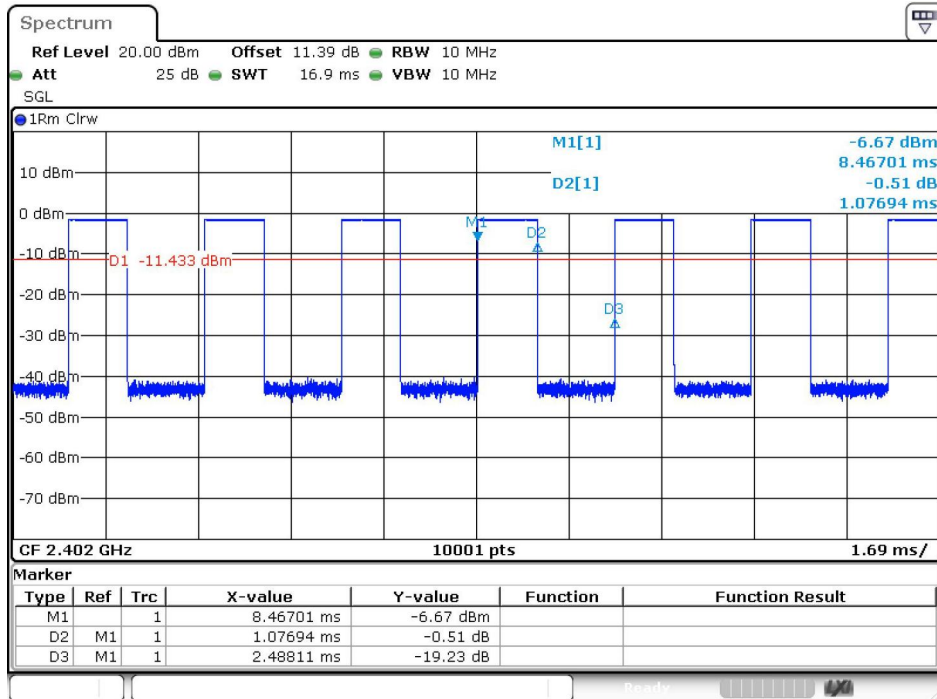
Date: 22.OCT.2024 21:08:47

BLE 1M_Channel 19



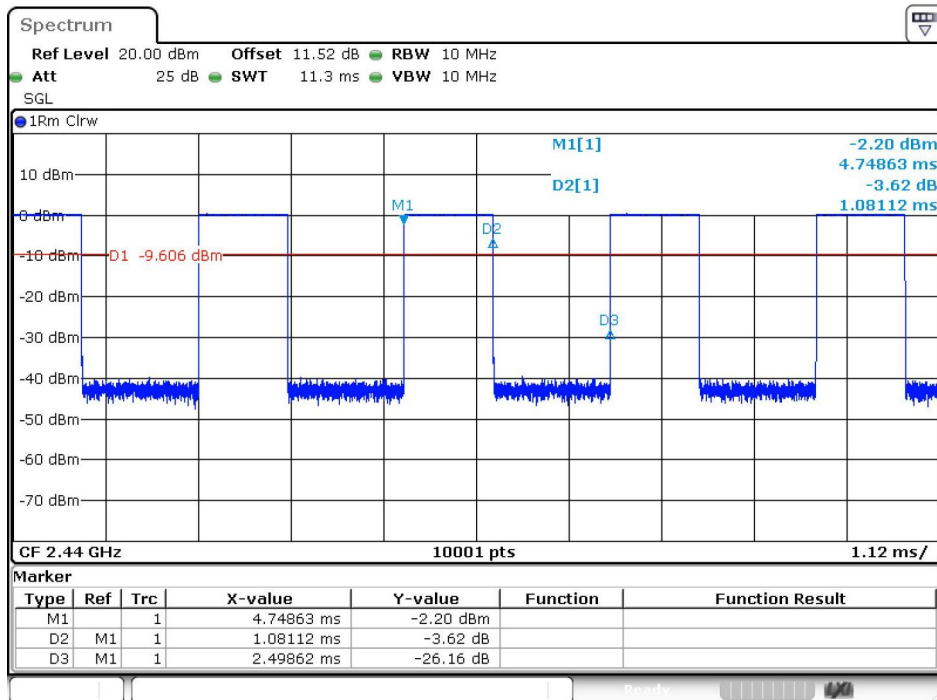
Date: 22.OCT.2024 21:11:16

BLE 1M_Channel 39



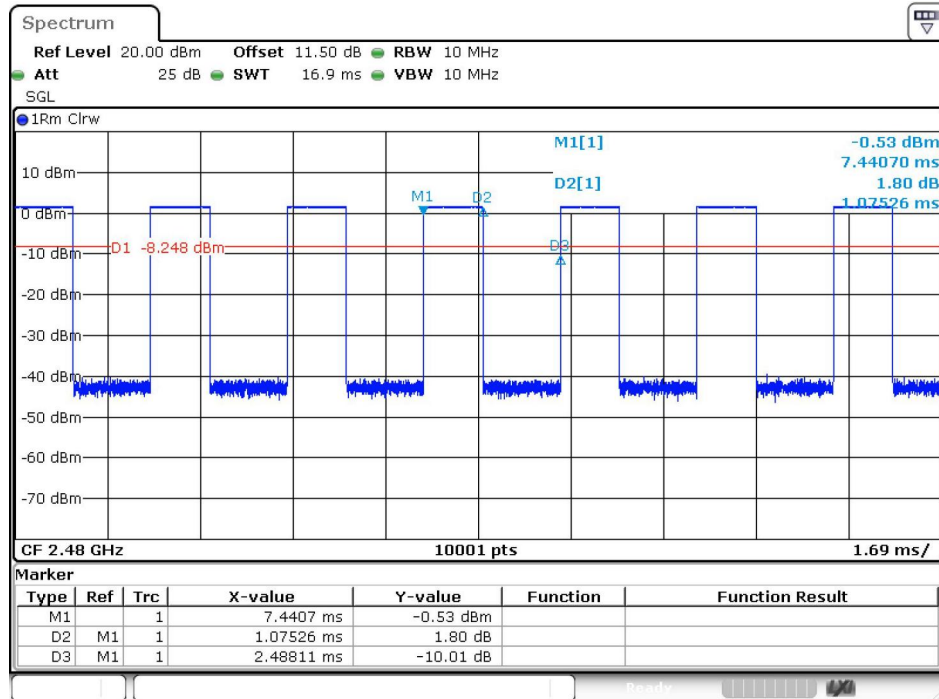
Date: 22.OCT.2024 21:14:17

BLE 2M_Channel 0



Date: 22.OCT.2024 21:17:23

BLE 2M_Channel 19



Date: 22.OCT.2024 21:19:40

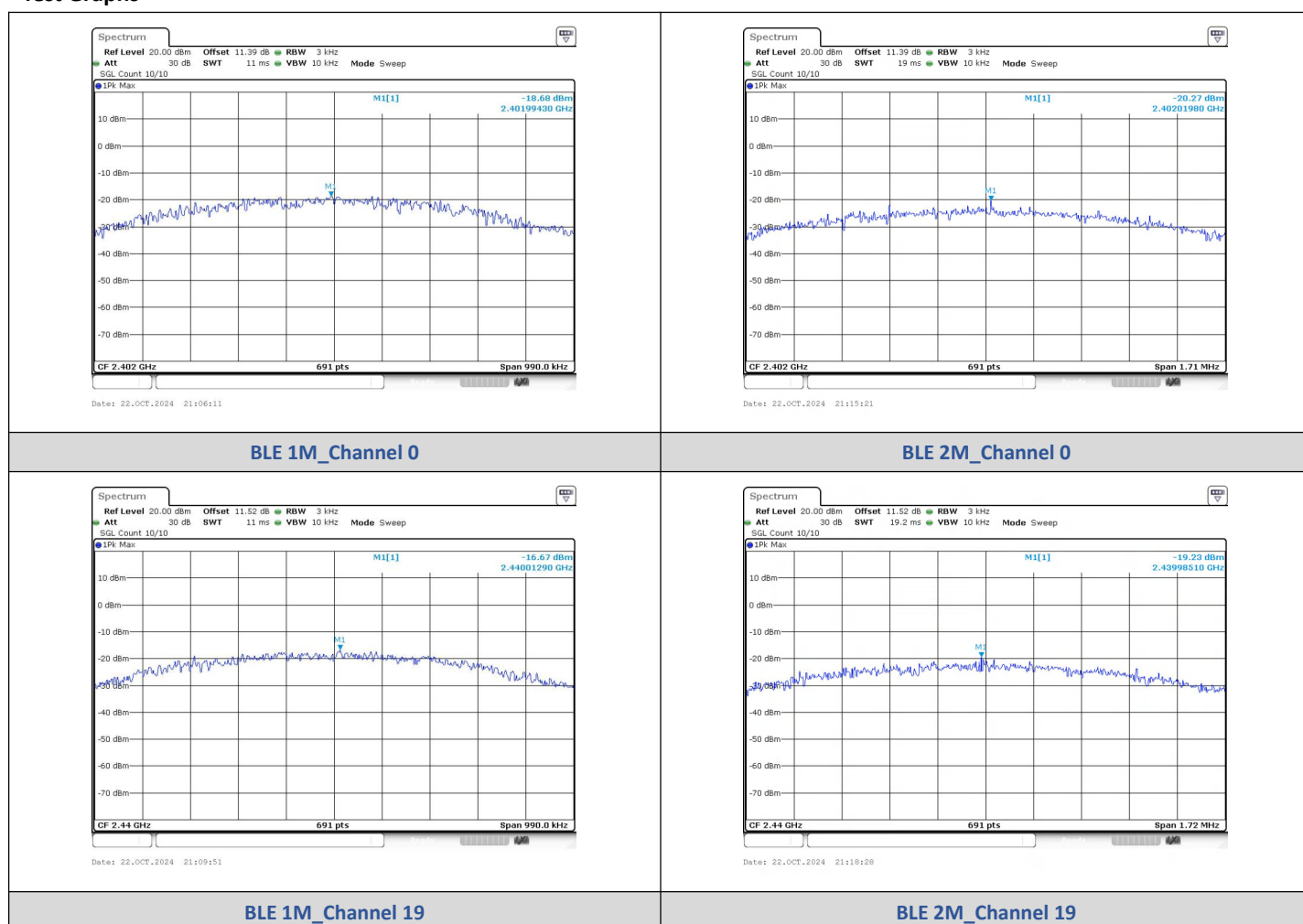
BLE 2M_Channel 39

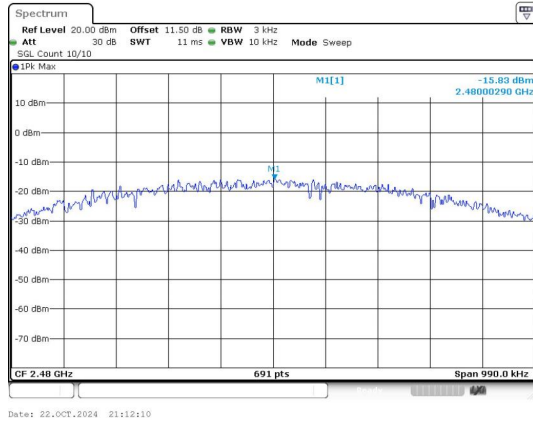
6) Power Spectral Density

Test Result

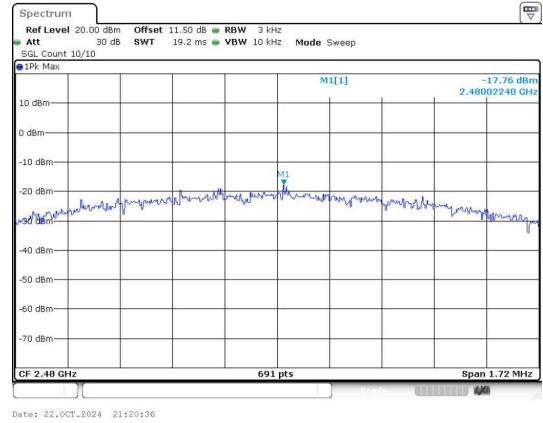
Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-18.684	≤8	PASS
BLE 1M	19	-16.672	≤8	PASS
BLE 1M	39	-15.833	≤8	PASS
BLE 2M	0	-20.272	≤8	PASS
BLE 2M	19	-19.225	≤8	PASS
BLE 2M	39	-17.758	≤8	PASS

Test Graphs





BLE 1M_Channel 39



BLE 2M_Channel 39

-----The End-----