

Appendix A

Report No.:	CISRR240513044
FCC ID:	2BFQI-Q1
Product Name:	mouse
Model No.:	Q1
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

1) Conducted Peak Output Power

Test Result

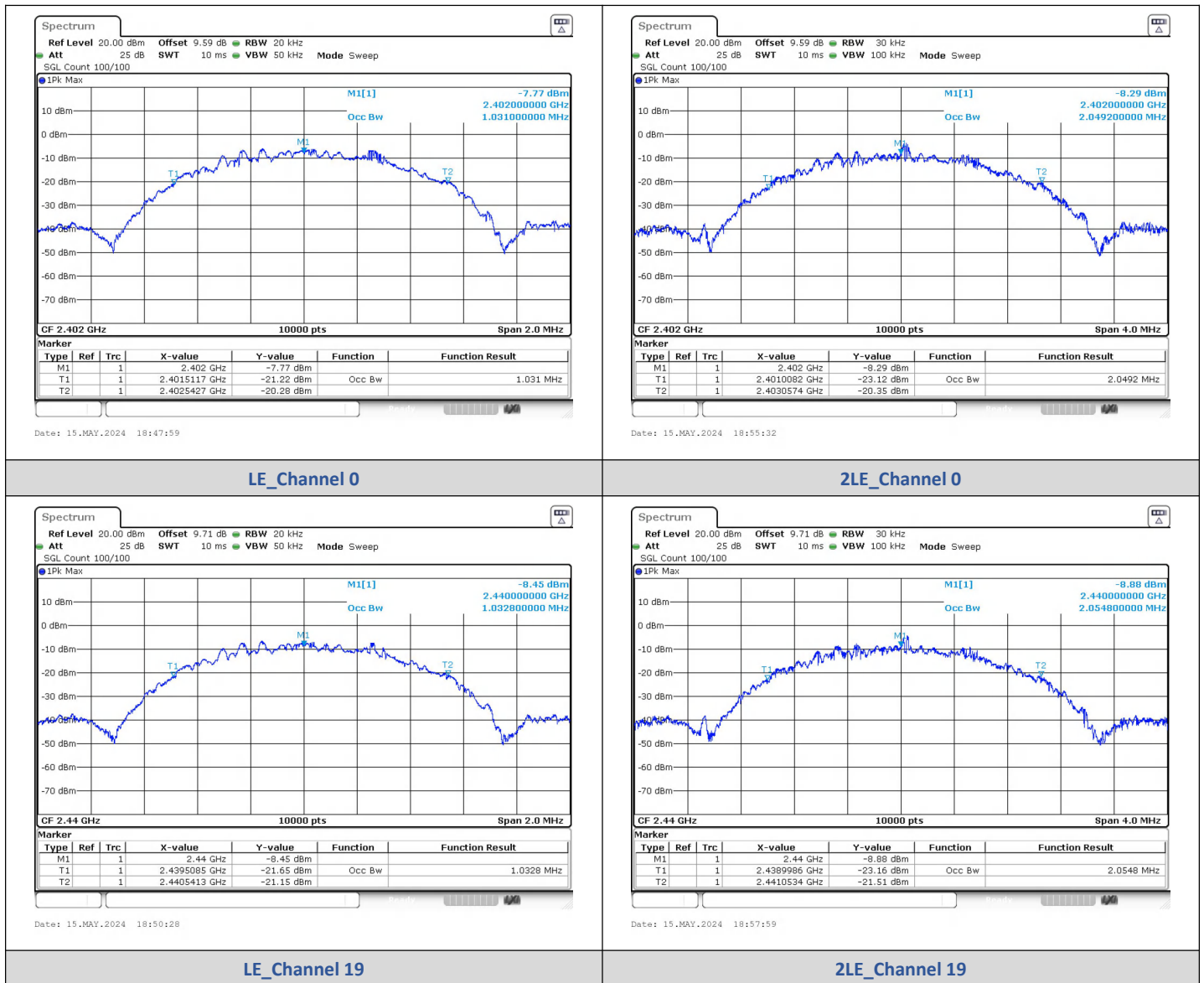
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
GFSK	LE	0	0.978	1.25	30	PASS
		19	0.528	1.13		PASS
		39	0.441	1.11		PASS
	2LE	0	0.837	1.21	30	PASS
		19	0.384	1.09		PASS
		39	0.317	1.08		PASS

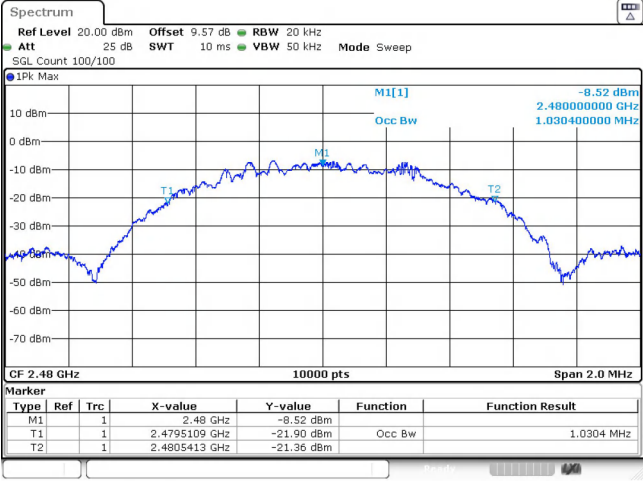
2) 99% Bandwidth

Test Result

Mode	Channel	99% BW (MHz)
LE	0	1.0310
LE	19	1.0330
LE	39	1.0300
2LE	0	2.0490
2LE	19	2.0550
2LE	39	2.0580

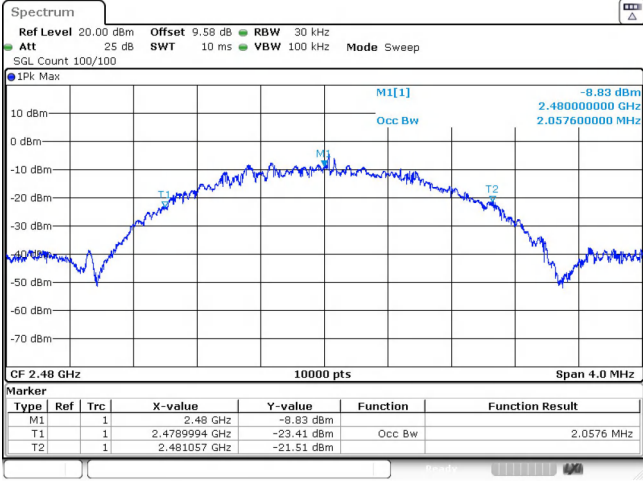
Test Graphs





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LE_Channel 39



Date: 15.MAY.2024 19:00:38

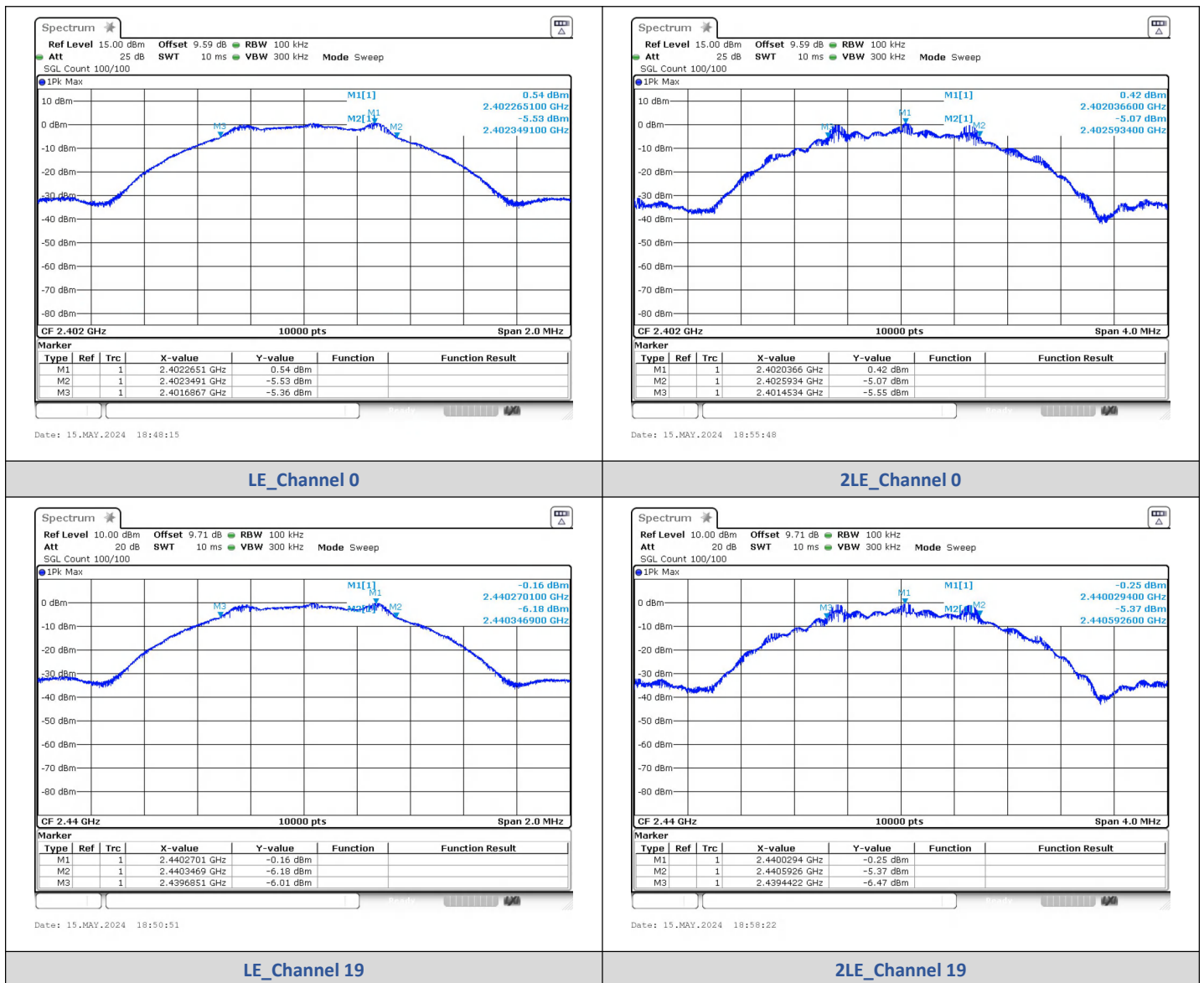
2LE_Channel 39

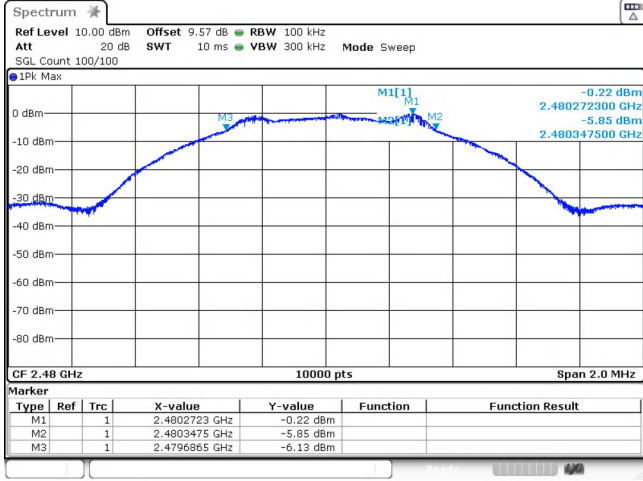
3) 6dB Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
LE	0	2402	0.6600	0.5	PASS
	19	2440	0.6600		PASS
	39	2480	0.6600		PASS
2LE	0	2402	1.140		PASS
	19	2440	1.150		PASS
	39	2480	1.160		PASS

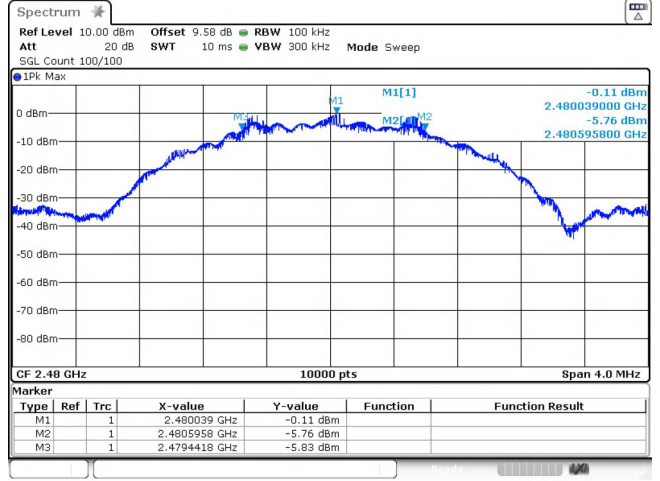
Test Graphs





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LE_Channel 39



Date: 15.MAY.2024 19:01:01

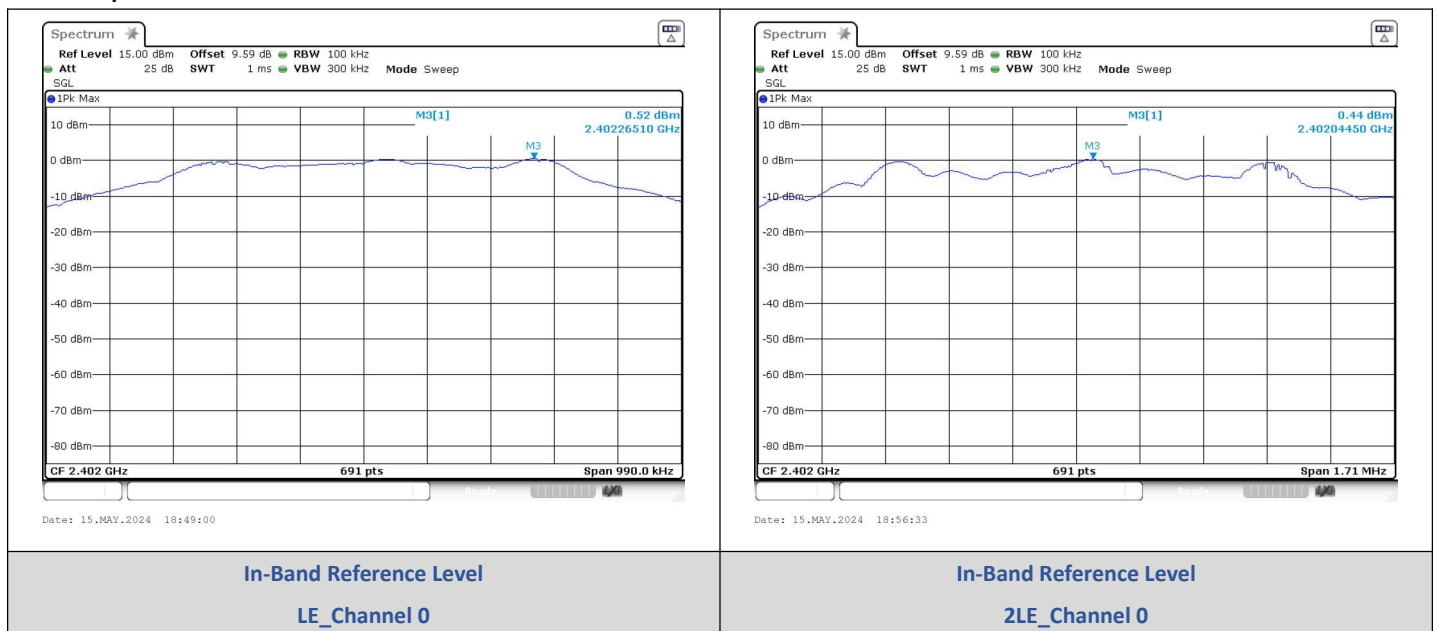
2LE_Channel 39

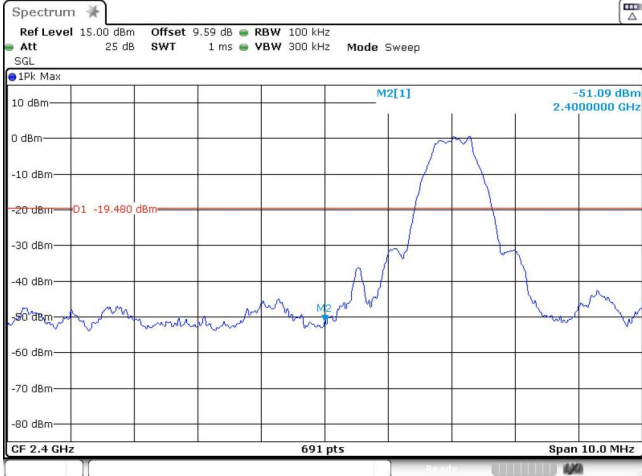
4) Conducted Out Of Band Emission

Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
LE	0	2400.00	-51.086	-19.48	-31.606	PASS
		2399.00	-46.323	-19.48	-26.843	PASS
		7205.10	-40.369	-19.48	-20.889	PASS
	19	9753.73	-41.505	-20.21	-21.295	PASS
	39	2483.50	-47.595	-20.24	-27.355	PASS
		9914.37	-40.073	-20.24	-19.833	PASS
2LE	0	2400.00	-33.211	-19.56	-13.651	PASS
		7204.30	-42.176	-19.56	-22.616	PASS
	19	9753.73	-41.964	-20.1	-21.864	PASS
	39	2483.50	-53.094	-20.13	-32.964	PASS
		9914.37	-40.838	-20.13	-20.708	PASS

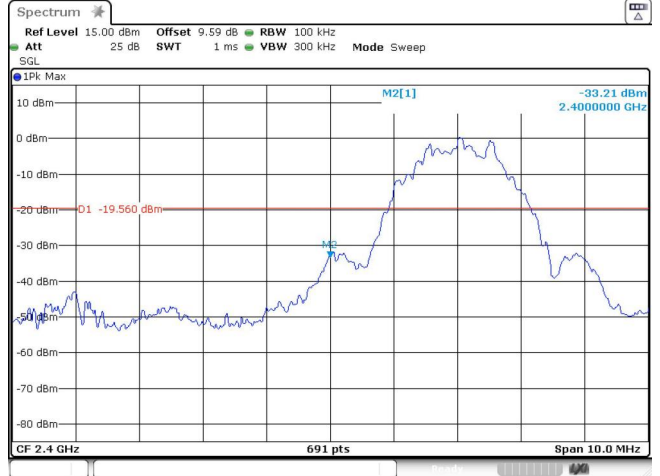
Test Graphs





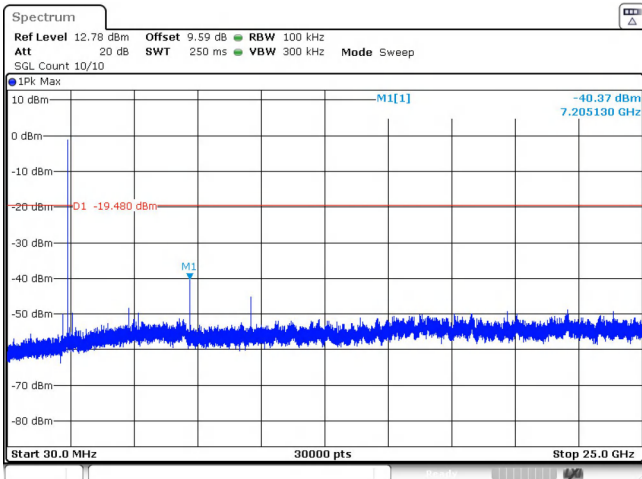
Date: 15.MAY.2024 18:49:19

Out Of Band Emission
LE_Channel 0



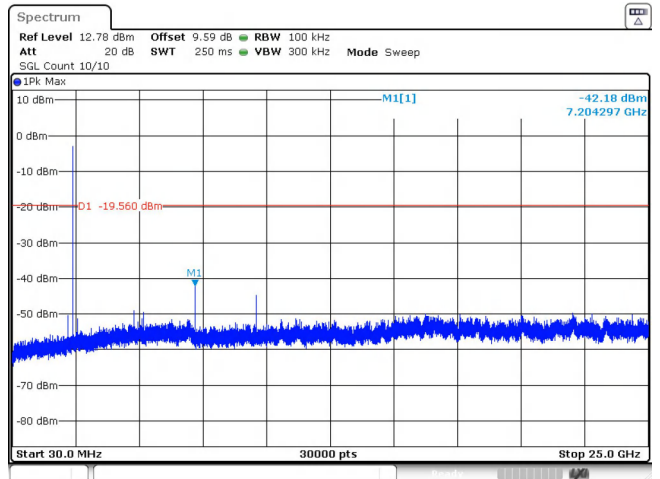
Date: 15.MAY.2024 18:56:53

Out Of Band Emission
2LE_Channel 0



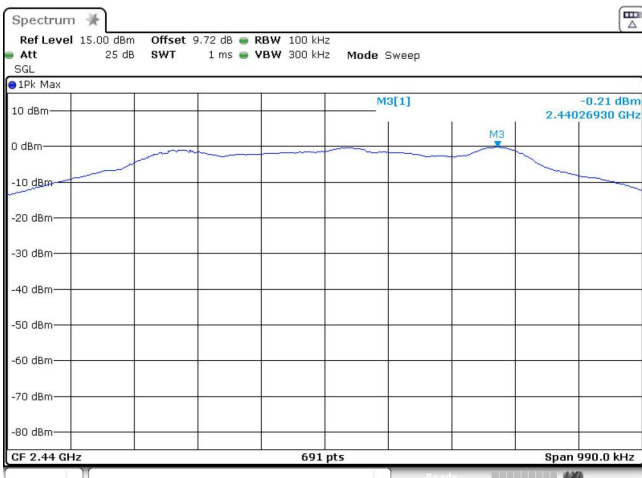
Date: 15.MAY.2024 18:49:41

Spurious Emission
LE_Channel 0



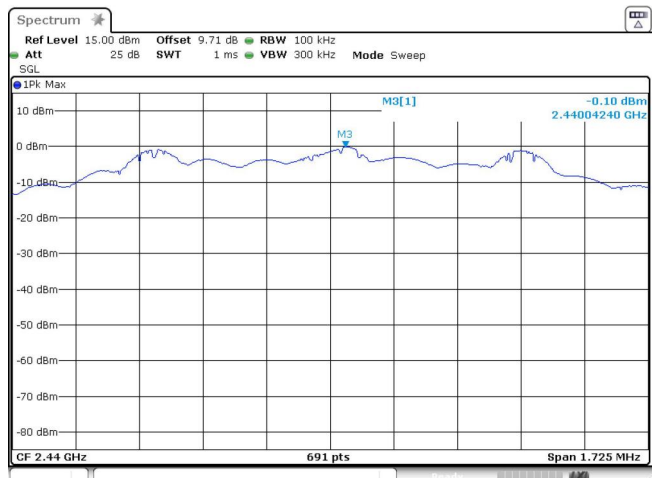
Date: 15.MAY.2024 18:57:15

Spurious Emission
2LE_Channel 0



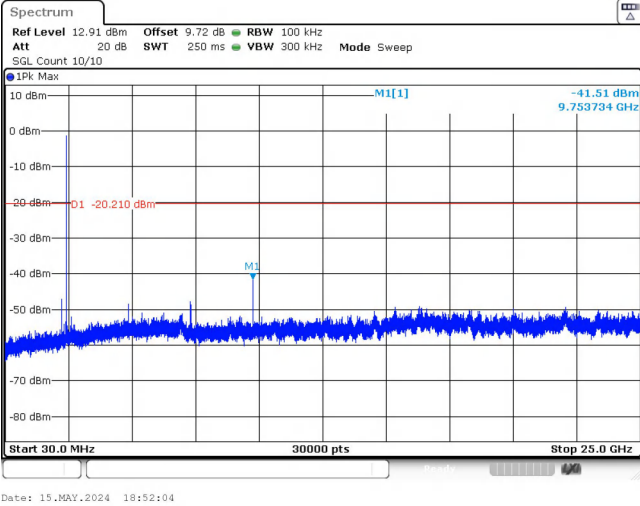
Date: 15.MAY.2024 18:51:40

In-Band Reference Level
LE_Channel 19

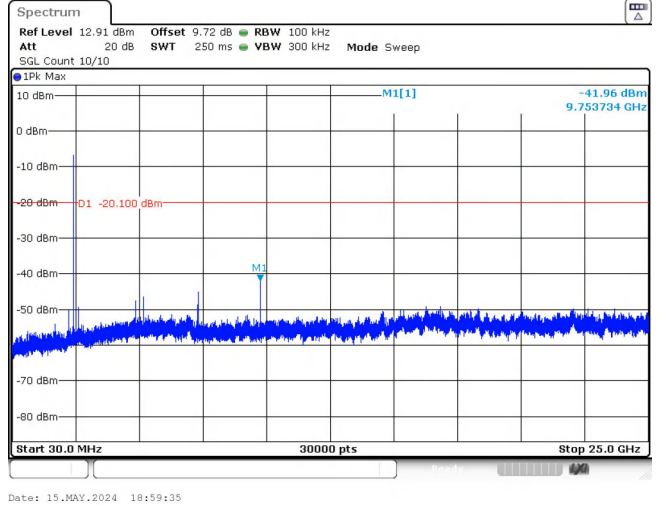


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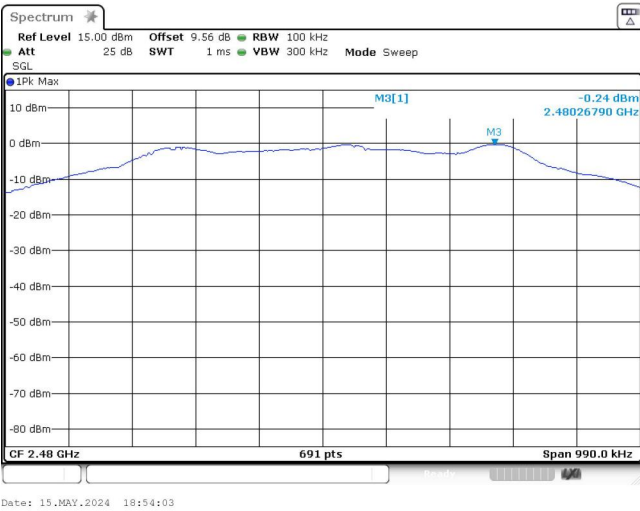
In-Band Reference Level
2LE_Channel 19



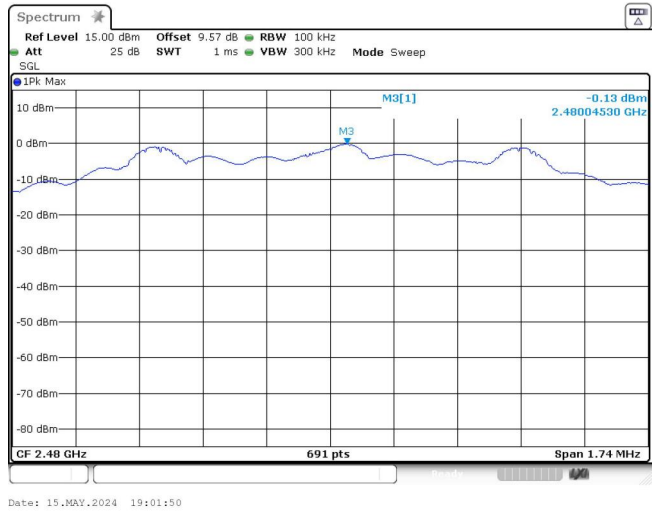
Spurious Emissions
LE_Channel 19



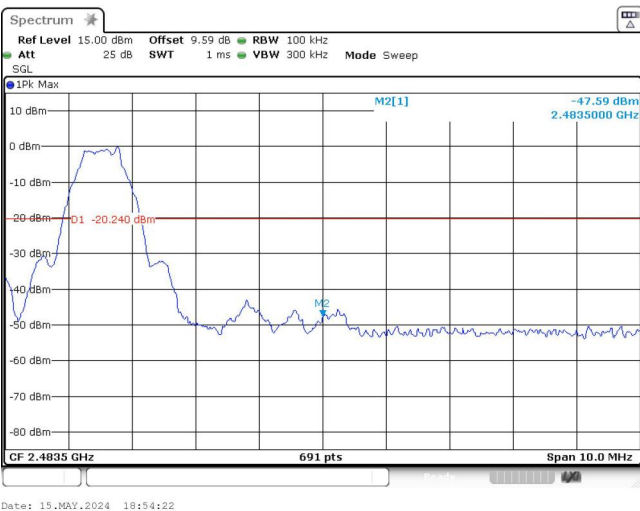
Spurious Emissions
2LE_Channel 19



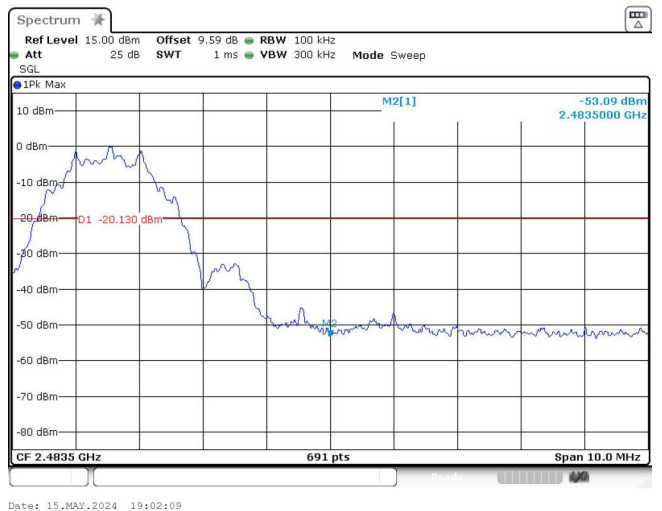
In-Band Reference Level
LE_Channel 39



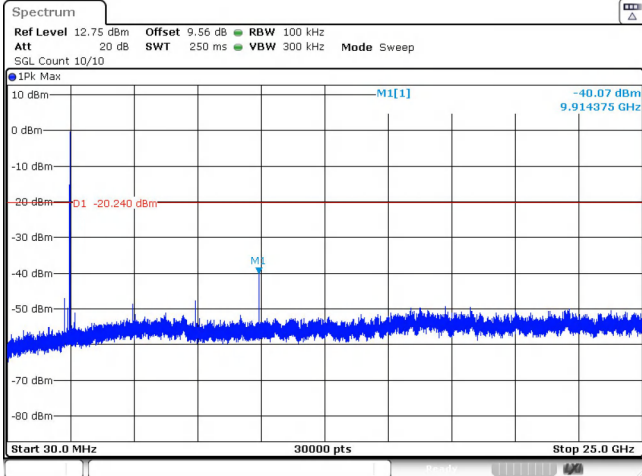
In-Band Reference Level
2LE_Channel 39



Out Of Band Emission
LE_Channel 39

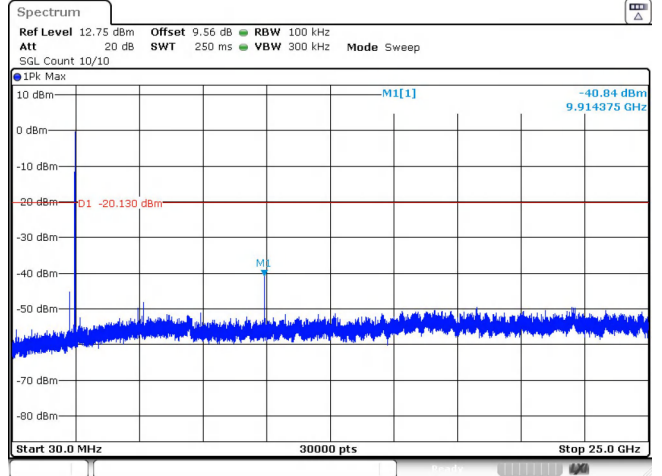


Out Of Band Emission
2LE_Channel 39



Date: 15.MAY.2024 18:54:45

Spurious Emission
LE_Channel 39



Date: 15.MAY.2024 19:02:31

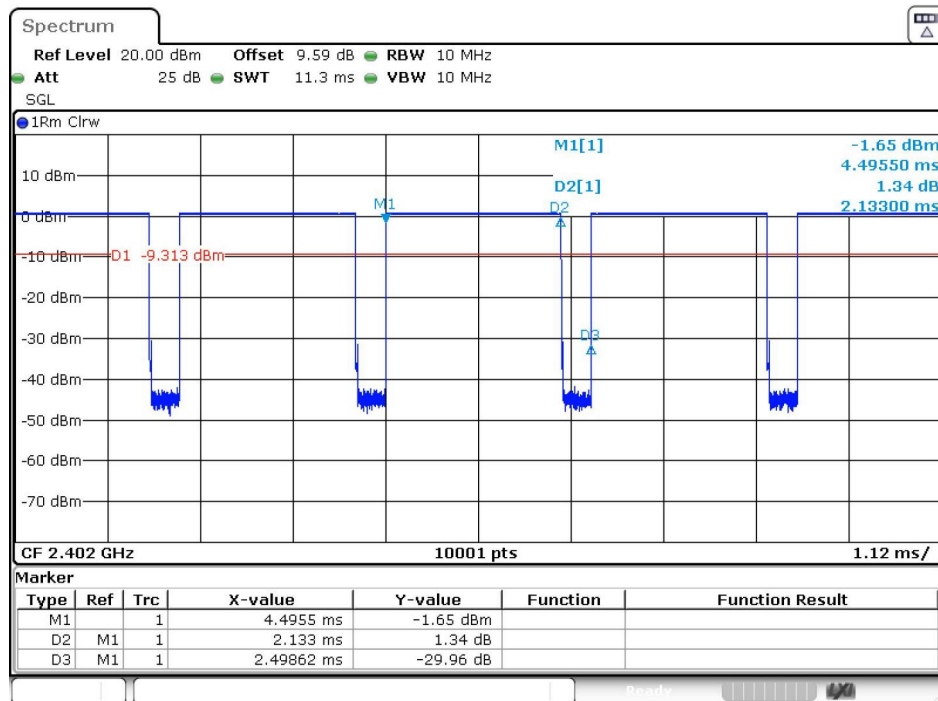
Spurious Emission
2LE_Channel 39

5) Duty Cycle

Test Result

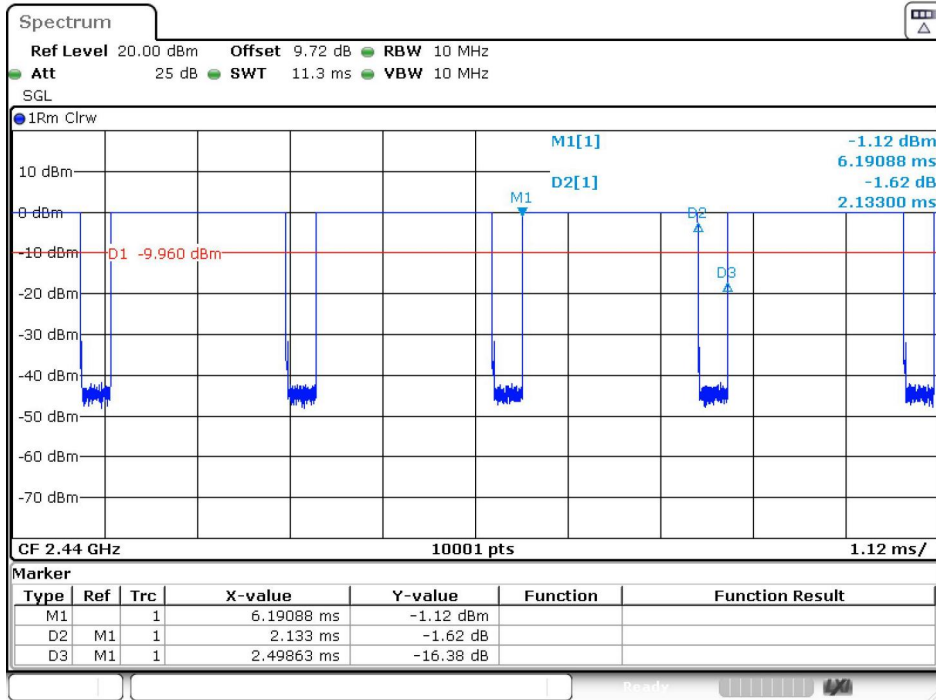
Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
LE	0	2.133	2.499	85.37	0.8537	0.6869	0.47
	19	2.133	2.499	85.37	0.8537	0.6869	0.47
	39	2.134	2.499	85.41	0.8541	0.6849	0.47
2LE	0	1.081	2.499	43.27	0.4327	3.6381	0.93
	19	1.081	2.499	43.27	0.4327	3.6381	0.93
	39	1.082	2.500	43.29	0.4329	3.6361	0.92

Test Graphs



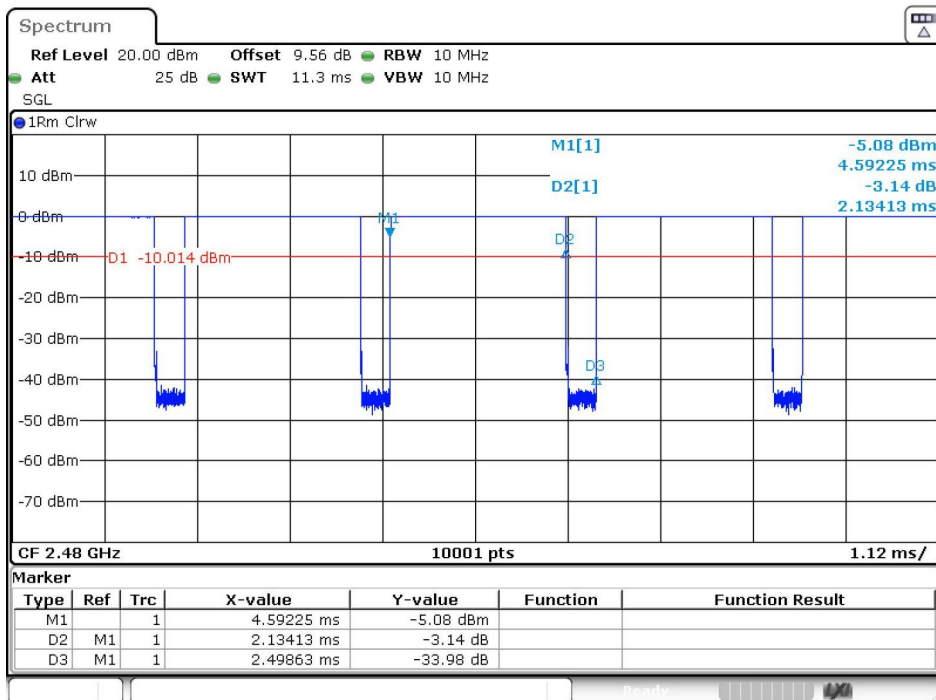
Date: 15.MAY.2024 18:47:45

LE



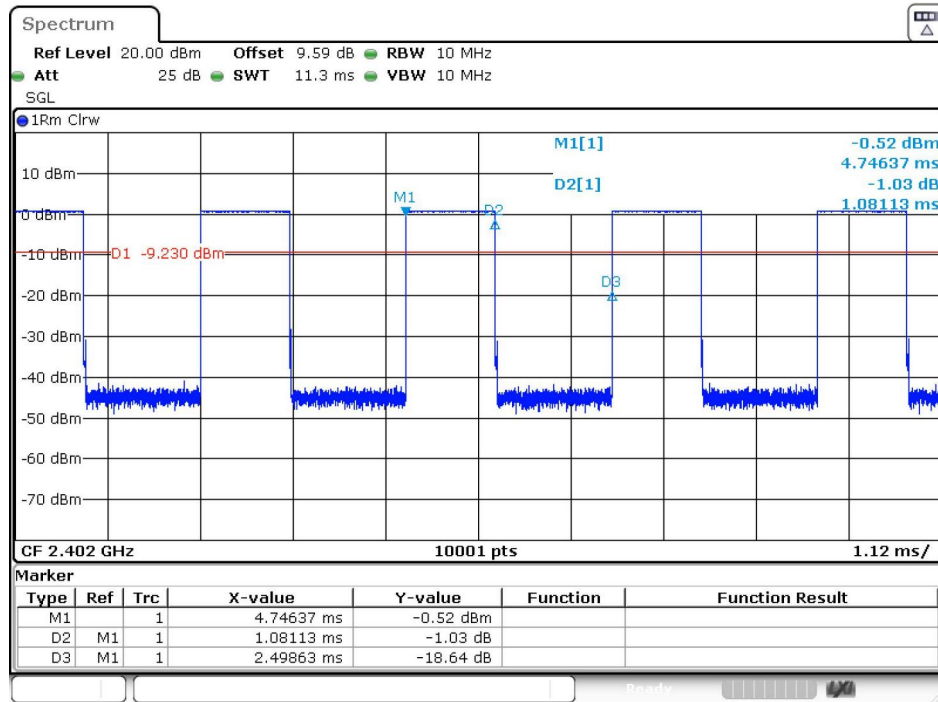
Date: 15.MAY.2024 18:50:14

LE



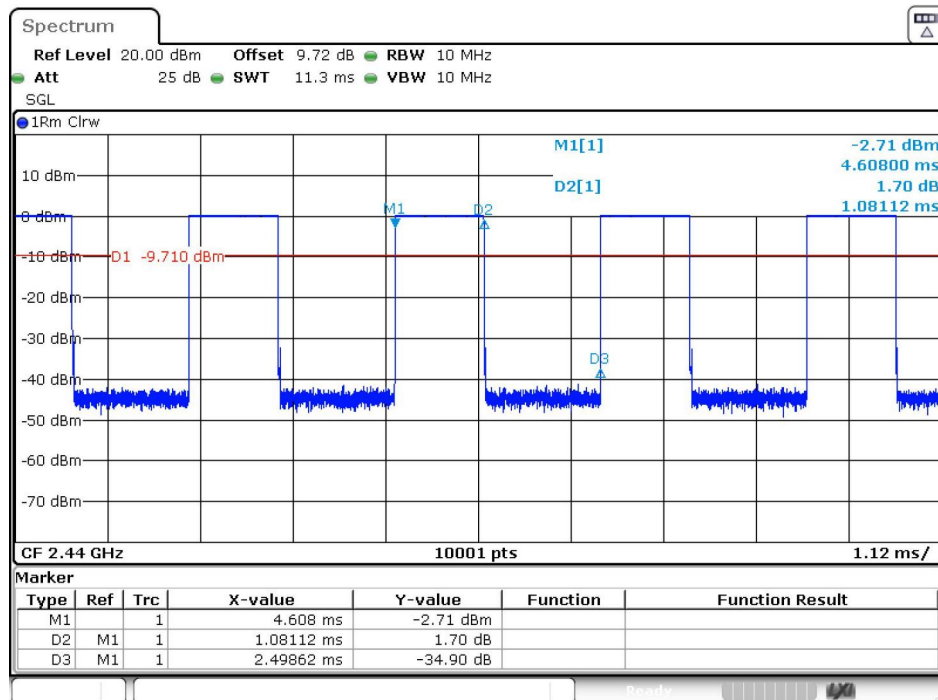
Date: 15.MAY.2024 18:52:37

LE



Date: 15.MAY.2024 18:55:18

2LE



Date: 15.MAY.2024 18:57:45

2LE

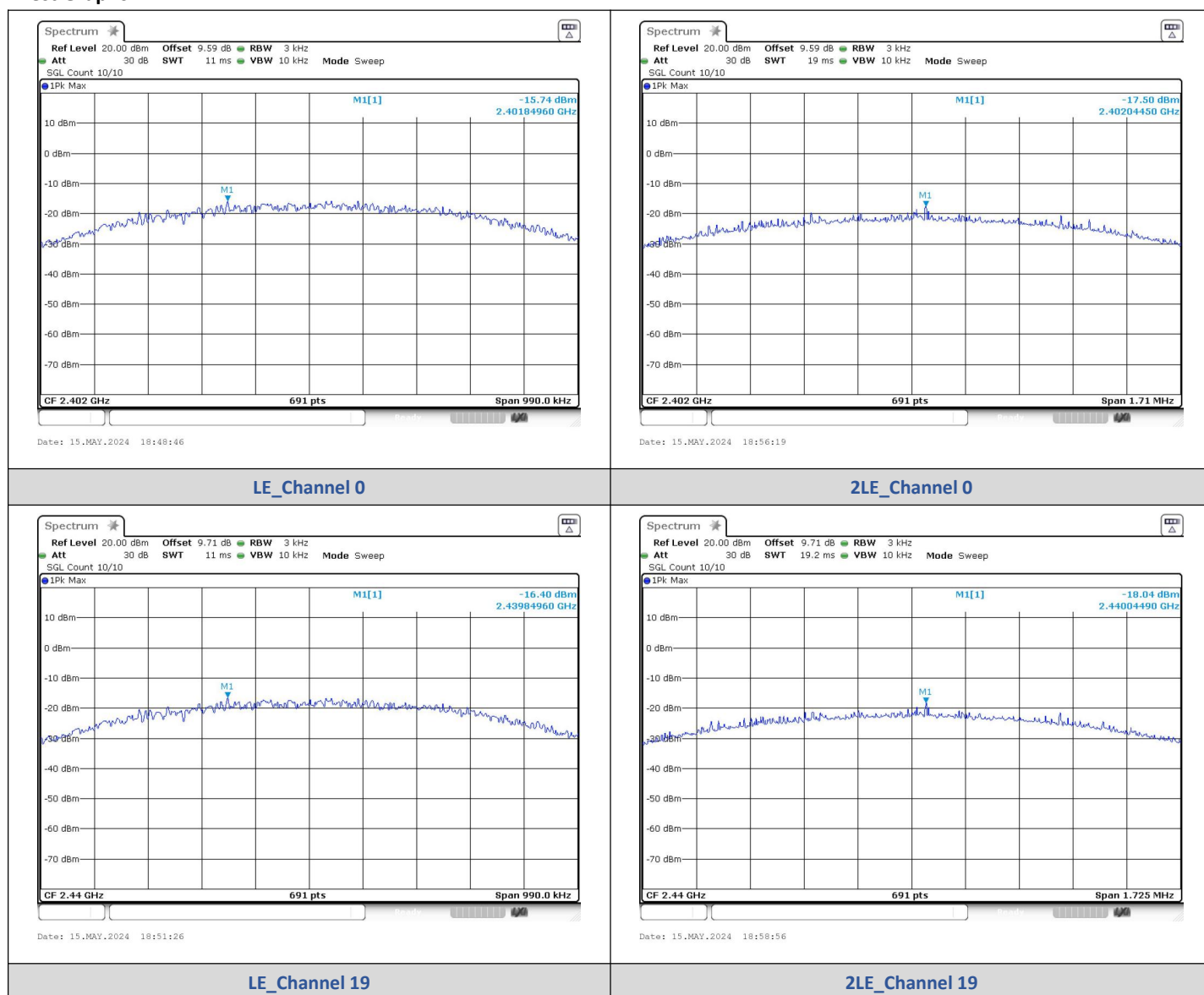


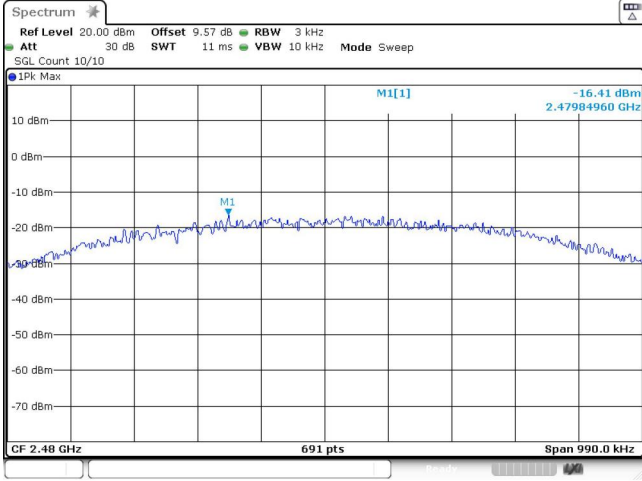
6) Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
LE	0	-15.735	8	PASS
LE	19	-16.405	8	PASS
LE	39	-16.408	8	PASS
2LE	0	-17.497	8	PASS
2LE	19	-18.041	8	PASS
2LE	39	-18.115	8	PASS

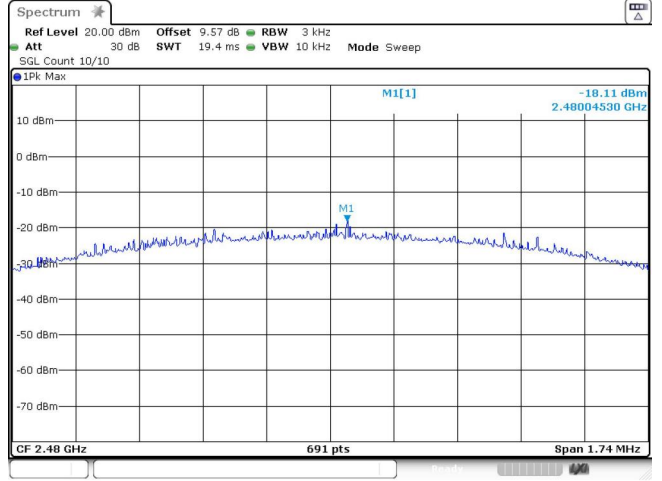
Test Graphs





Date: 15.MAY.2024 18:53:49

LE_Channel 39



Date: 15.MAY.2024 19:01:36

2LE_Channel 39