Appendix A

Report No.:	CISRR240119109
FCC ID:	2BET3-K3
Product Name:	loudspeaker box
Model No.:	K3
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

1) Conducted Peak Output Power

Test Result

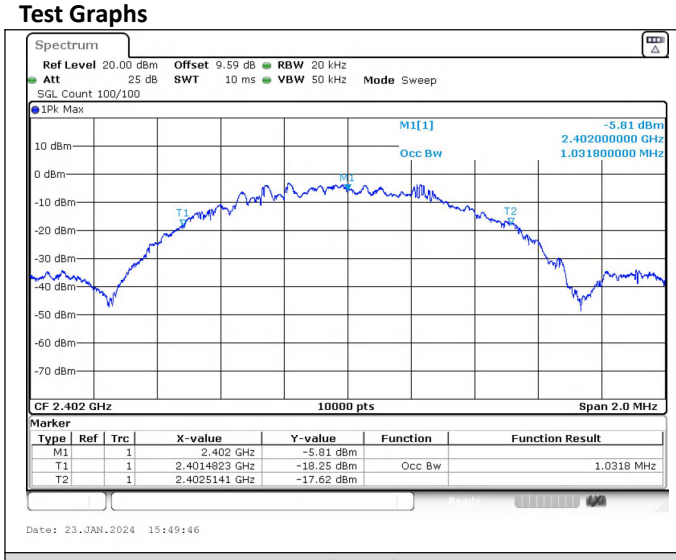
Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
LE	0	3.447	2.21	30	PASS
	19	3.425	2.2	30	PASS
	39	3.818	2.41	30	PASS
2LE	0	3.802	2.4	30	PASS
	19	3.996	2.51	30	PASS
	39	4.312	2.7	30	PASS

2) 99% Bandwidth

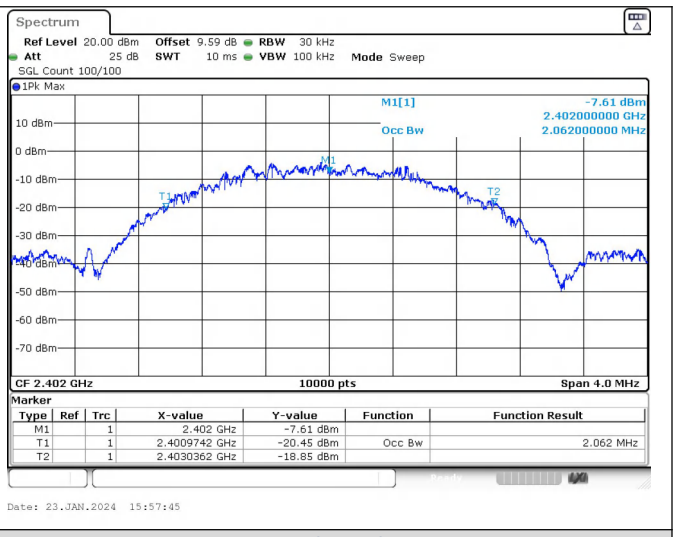
Test Result

Mode	Channel	99% BW (MHz)
LE	0	1.0320
LE	19	1.0300
LE	39	1.0320
2LE	0	2.0620
2LE	19	2.0620
2LE	39	2.0610

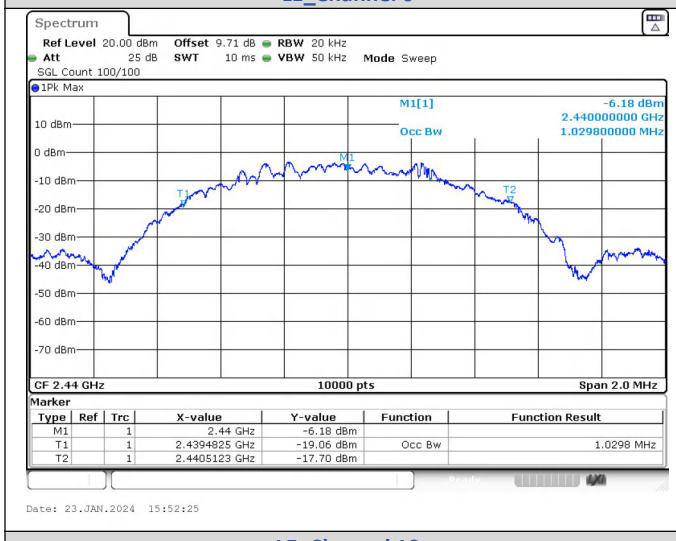
Test Graphs



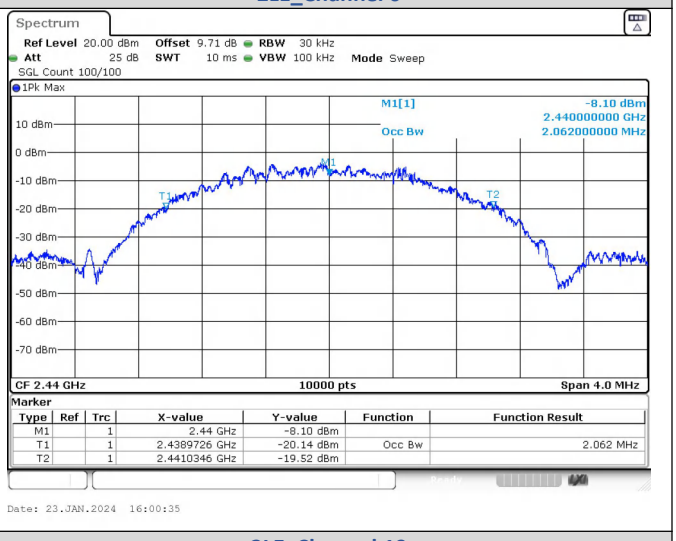
LE_Channel 0



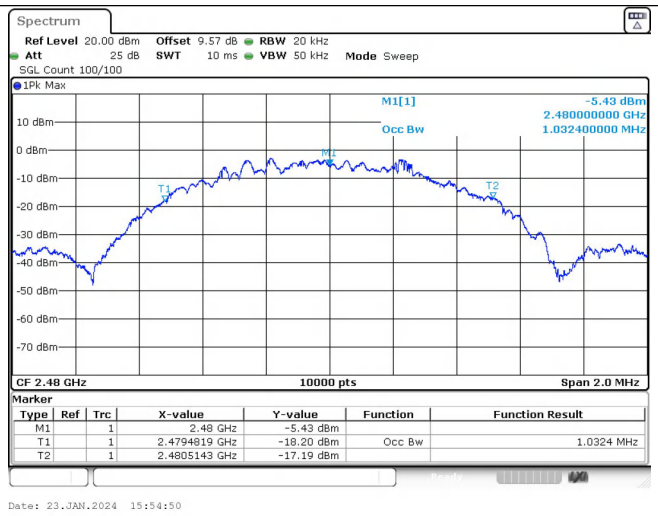
2LE_Channel 0



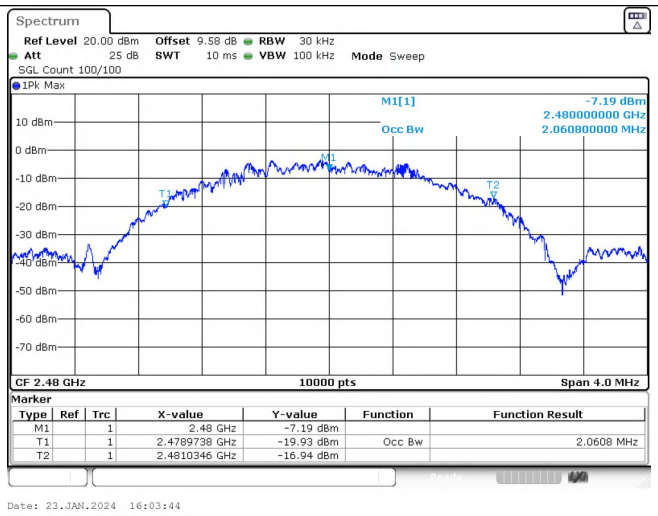
LE_Channel 19



2LE_Channel 19



LE_Channel 39



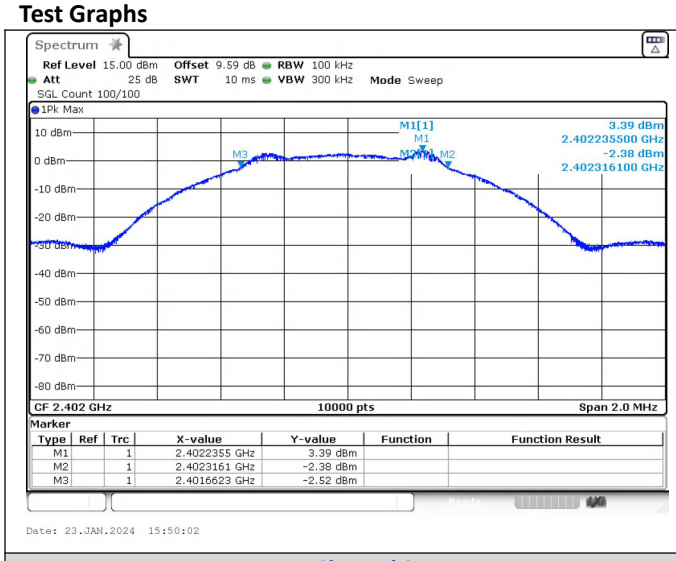
2LE_Channel 39

3) 6dB Bandwidth

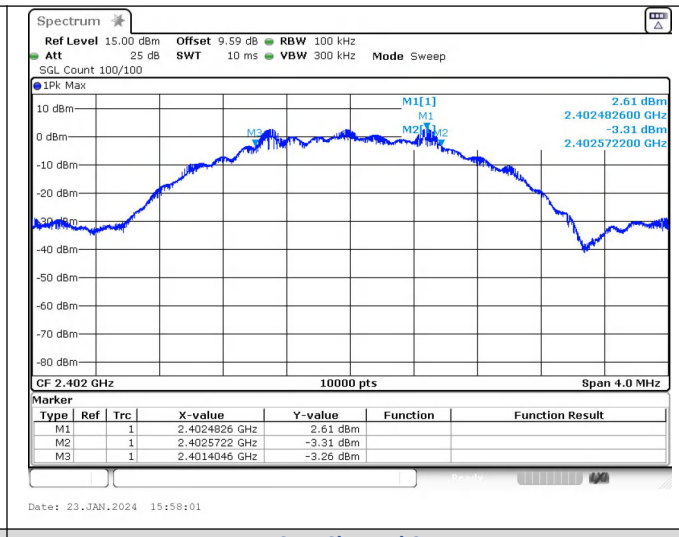
Test Result

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	0.6500		PASS
2LE	0	2402	1.170		PASS
	19	2440	1.210		PASS
	39	2480	1.220		PASS

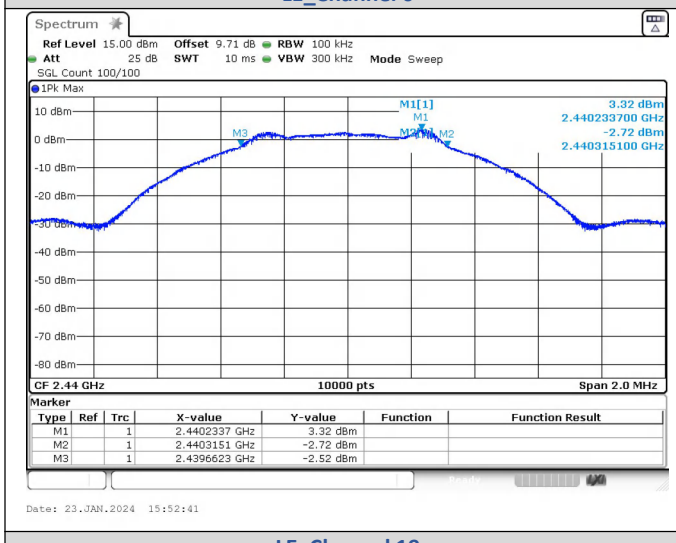
Test Graphs



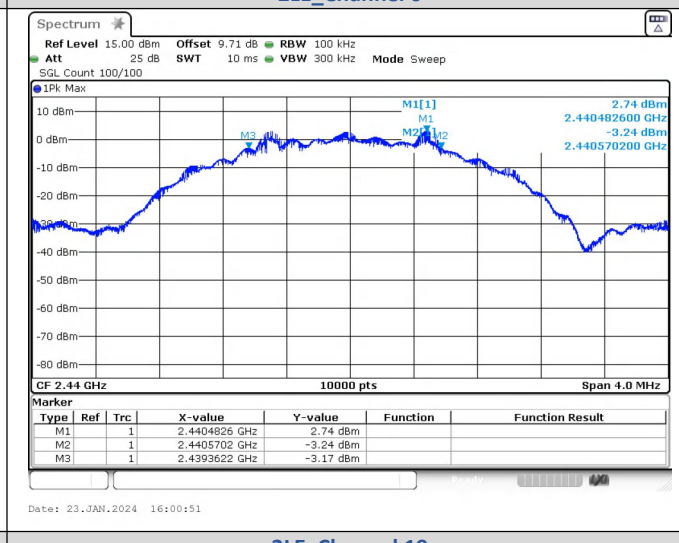
LE_Channel 0



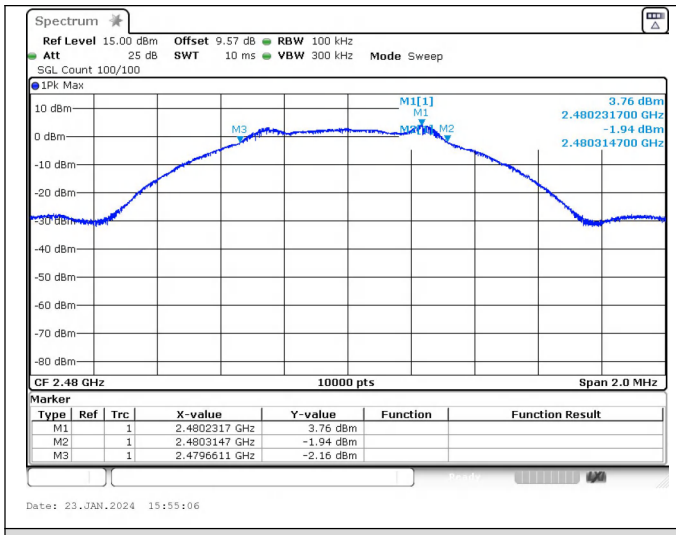
2LE_Channel 0



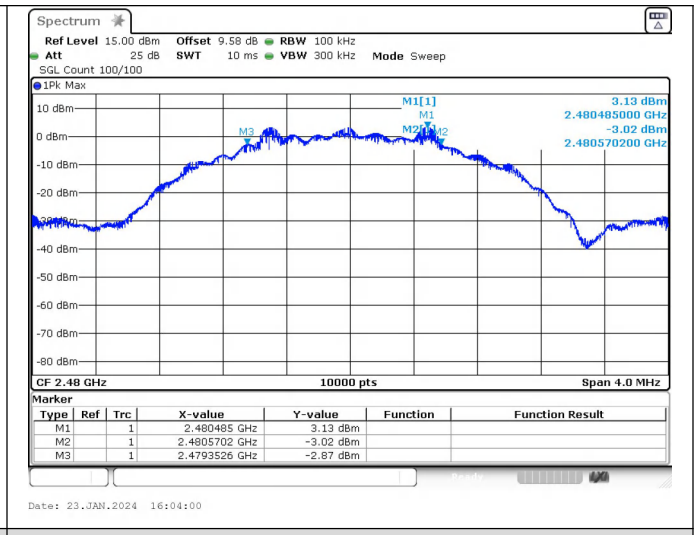
LE_Channel 19



2LE_Channel 19



LE_Channel 39



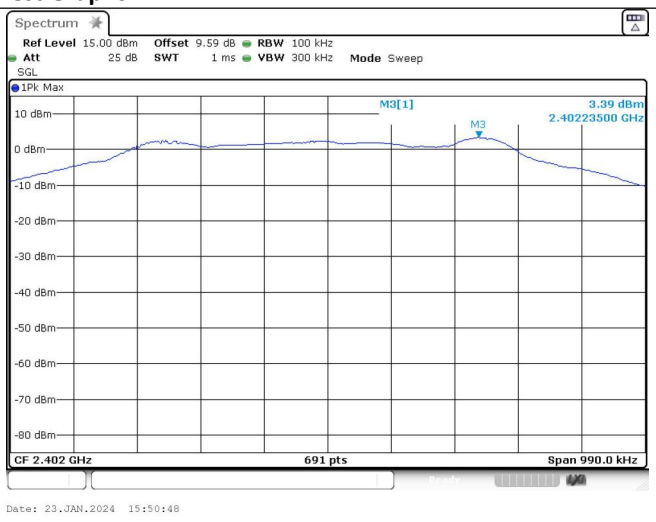
2LE_Channel 39

4) Conducted Out Of Band Emission

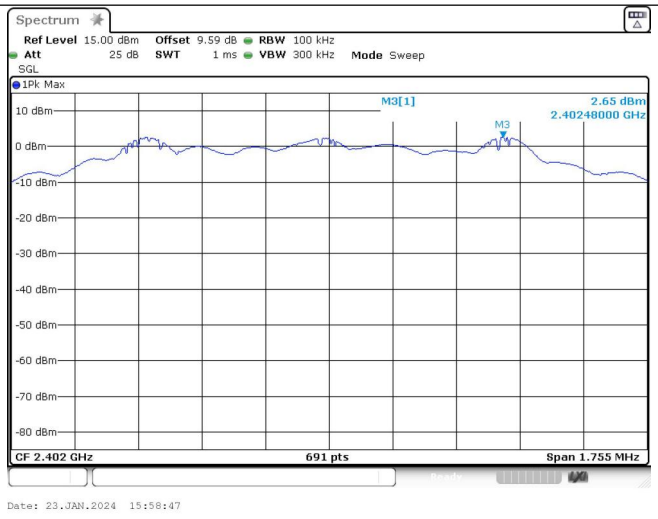
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
LE	0	2400.00	-50.855	-16.61	-34.245	PASS
		2395.25	-29.247	-16.61	-12.637	PASS
		2395.10	-33.223	-16.61	-16.613	PASS
	19	4880.42	-41.139	-16.7	-24.439	PASS
	39	2483.50	-50.497	-16.27	-34.227	PASS
		4959.49	-39.986	-16.27	-23.716	PASS
2LE	0	2400.00	-30.275	-17.35	-12.925	PASS
		2397.50	-29.378	-17.35	-12.028	PASS
		2395.10	-33.810	-17.35	-16.460	PASS
	19	4878.76	-38.663	-17.25	-21.413	PASS
	39	2483.50	-48.043	-16.9	-31.143	PASS
		4961.16	-41.472	-16.9	-24.572	PASS

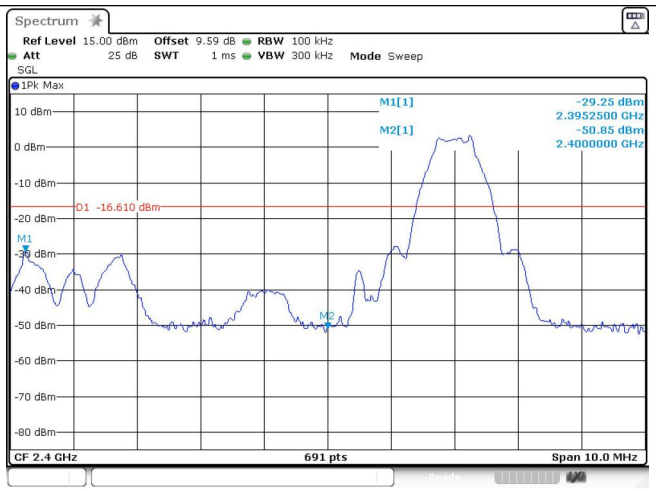
Test Graphs



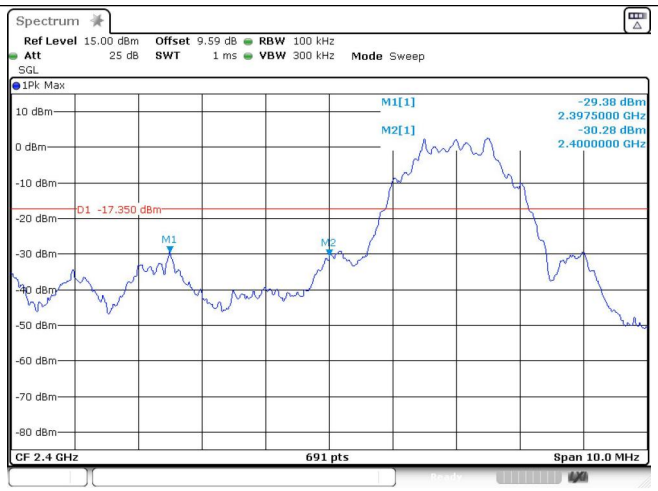
In-Band Reference Level
LE_Channel 0



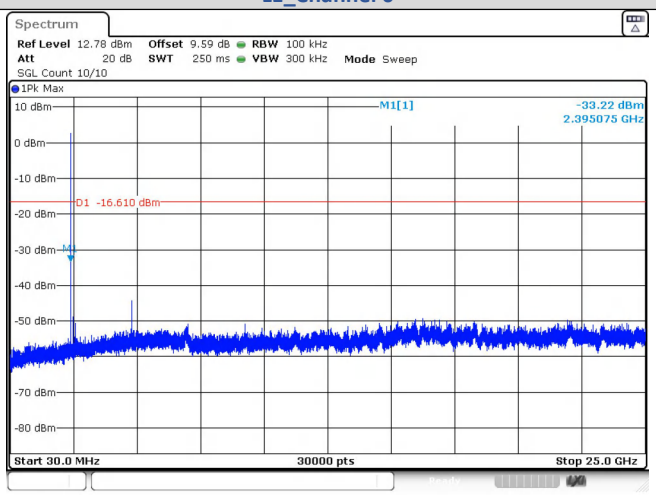
In-Band Reference Level
2LE_Channel 0



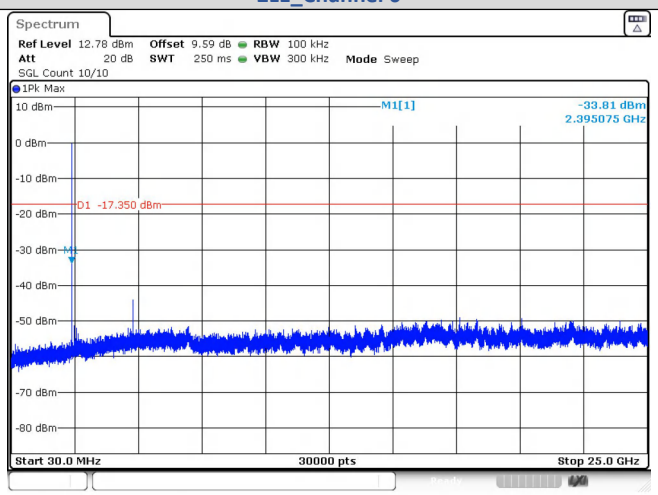
Out Of Band Emission
LE_Channel 0



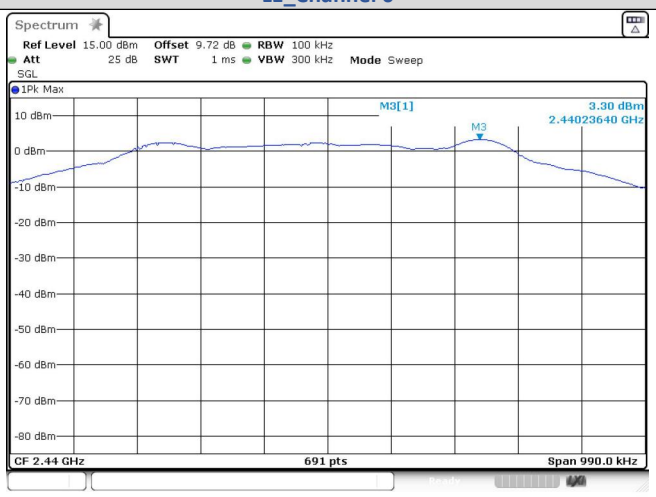
Out Of Band Emission
2LE_Channel 0



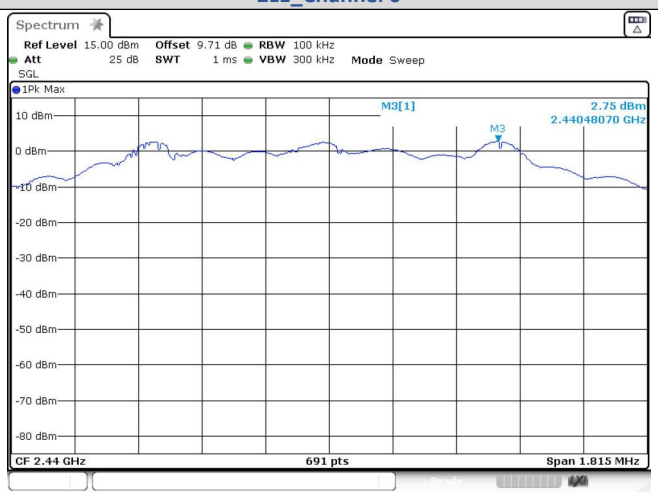
Spurious Emission
LE_Channel 0



Spurious Emission
2LE_Channel 0

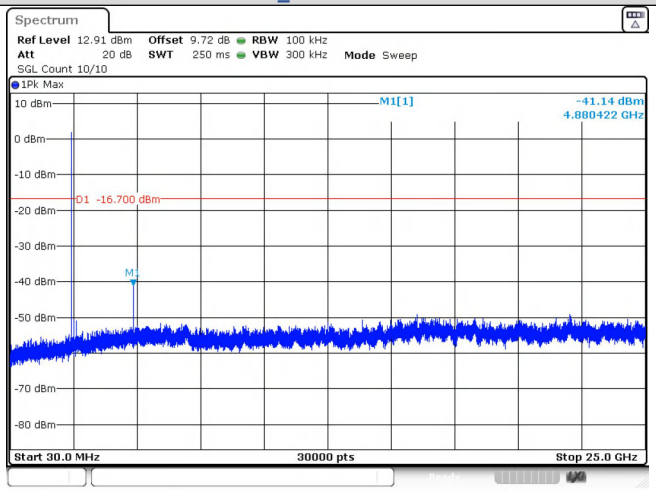


In-Band Reference Level



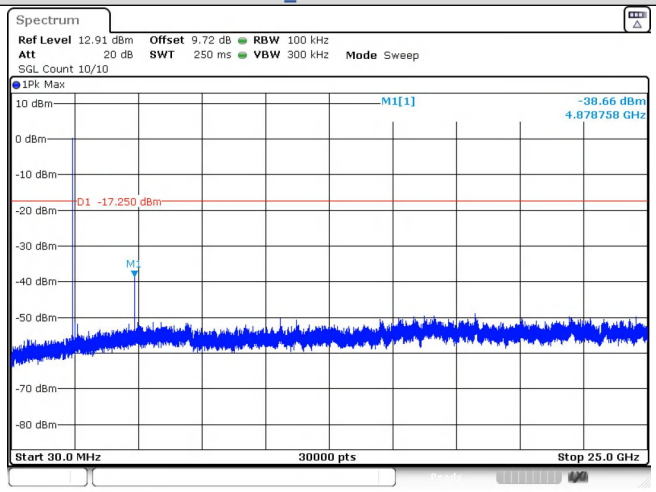
In-Band Reference Level

LE_Channel 19



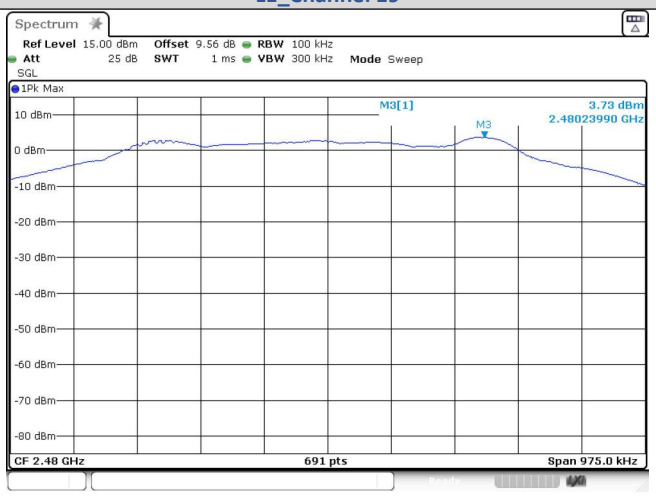
Date: 23.JAN.2024 15:53:51

2LE_Channel 19



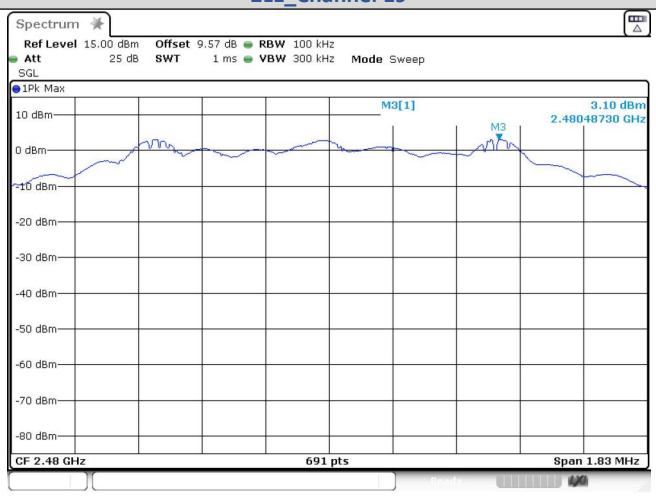
Date: 23.JAN.2024 16:02:00

Spurious Emissions LE_Channel 19



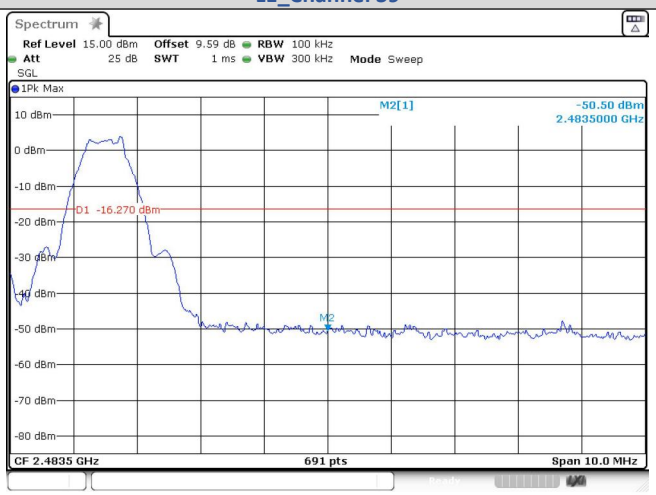
Date: 23.JAN.2024 15:55:52

Spurious Emissions 2LE_Channel 19



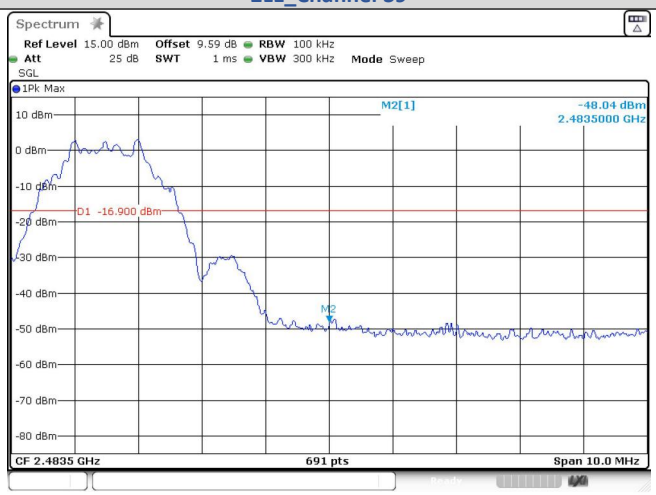
Date: 23.JAN.2024 16:04:46

In-Band Reference Level LE_Channel 39

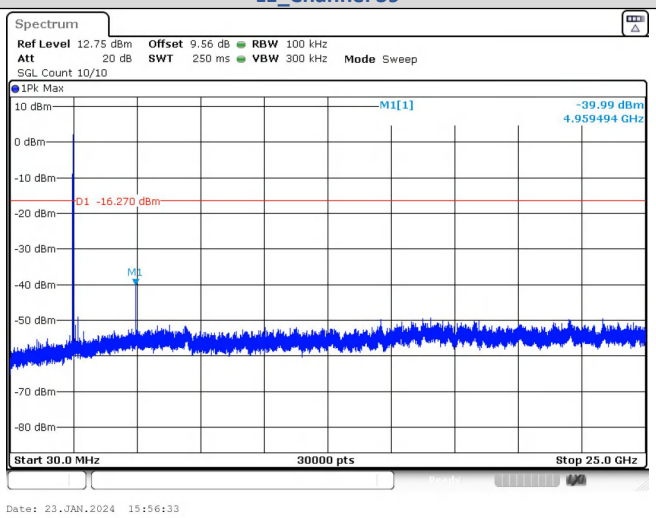
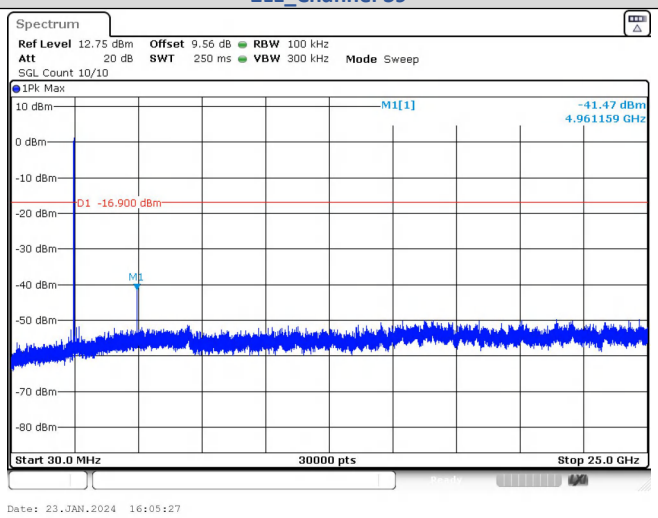


Date: 23.JAN.2024 15:56:11

In-Band Reference Level 2LE_Channel 39



Date: 23.JAN.2024 16:05:05

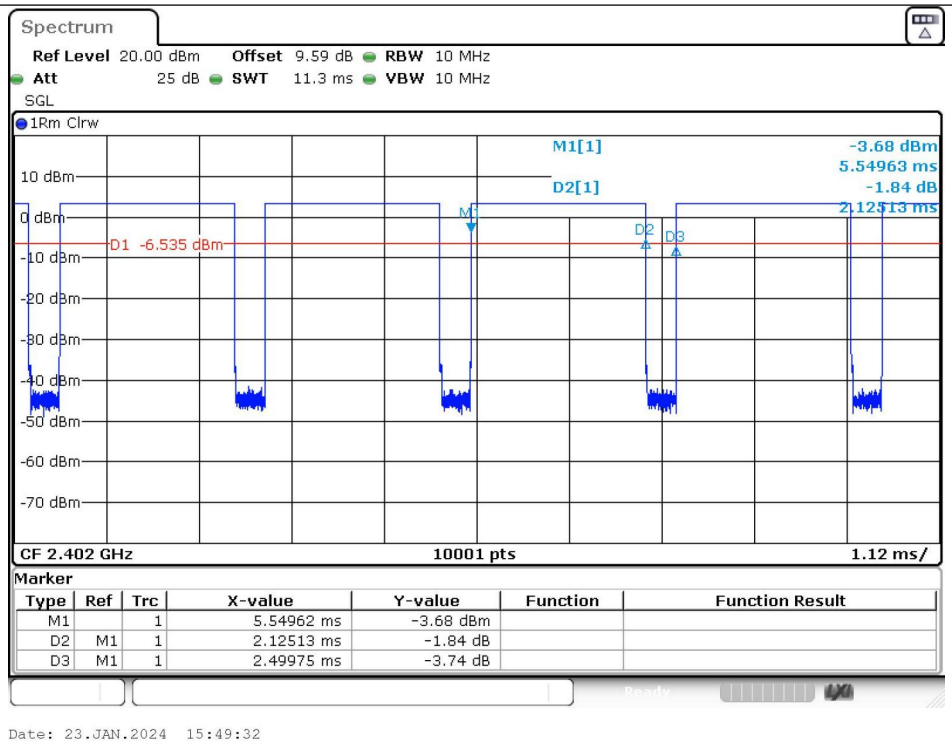
Out Of Band Emission LE_Channel 39	Out Of Band Emission 2LE_Channel 39
	
Spurious Emission LE_Channel 39	Spurious Emission 2LE_Channel 39

5) Duty Cycle

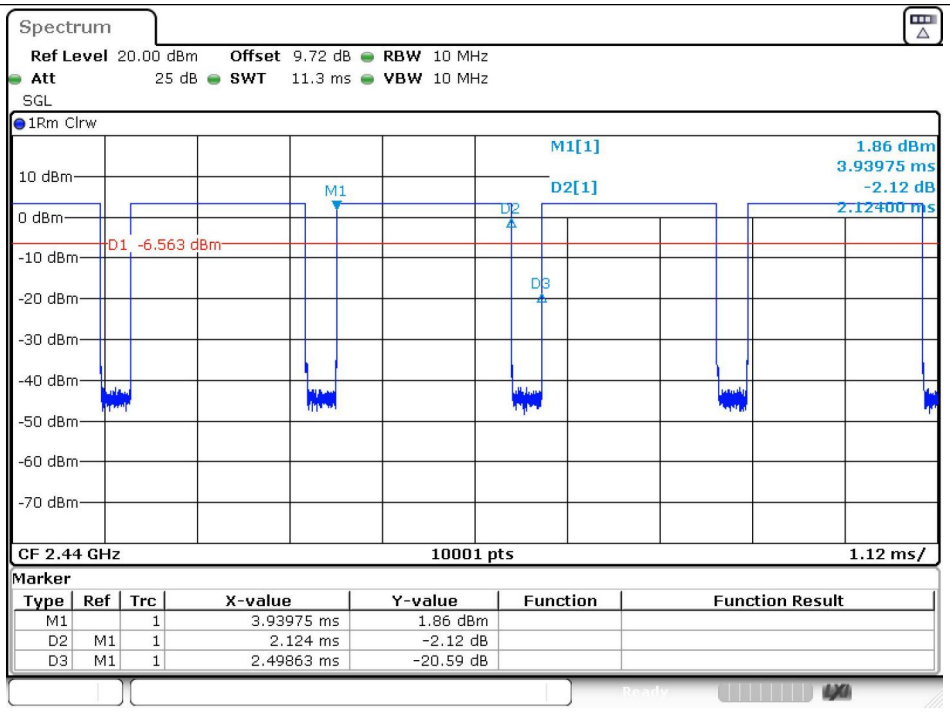
Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
LE	0	2.125	2.500	85.01	0.8501	0.7053	0.47
	19	2.124	2.499	85.01	0.8501	0.7053	0.47
	39	2.124	2.499	85.01	0.8501	0.7053	0.47
2LE	0	1.073	2.500	42.93	0.4293	3.6724	0.93
	19	1.072	2.500	42.89	0.4289	3.6764	0.93
	39	1.072	2.499	42.91	0.4291	3.6744	0.93

Test Graphs

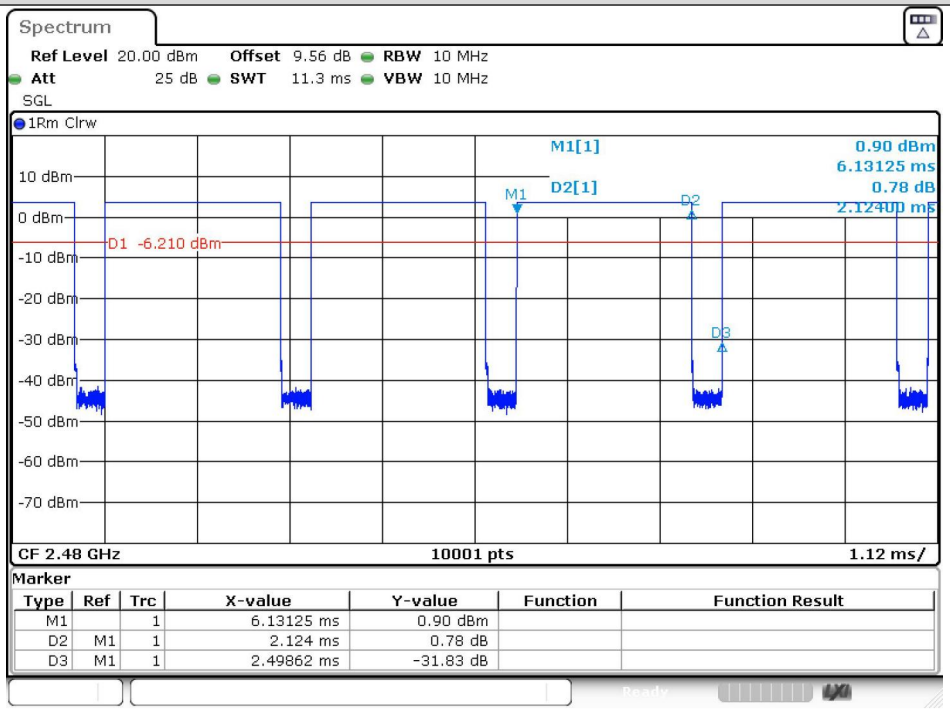


LE



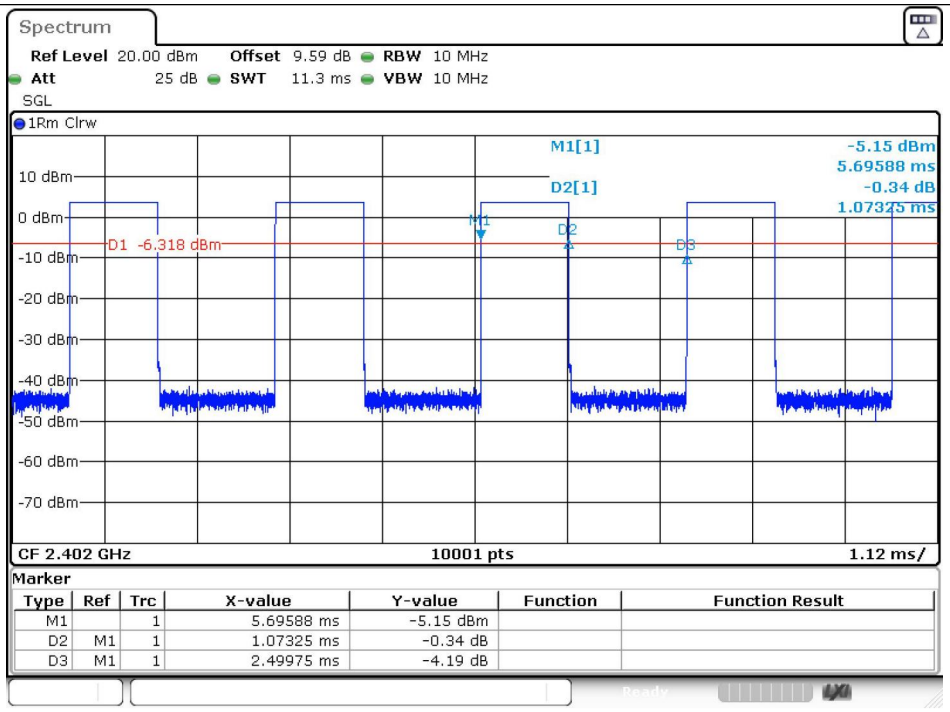
Date: 23.JAN.2024 15:52:10

LE



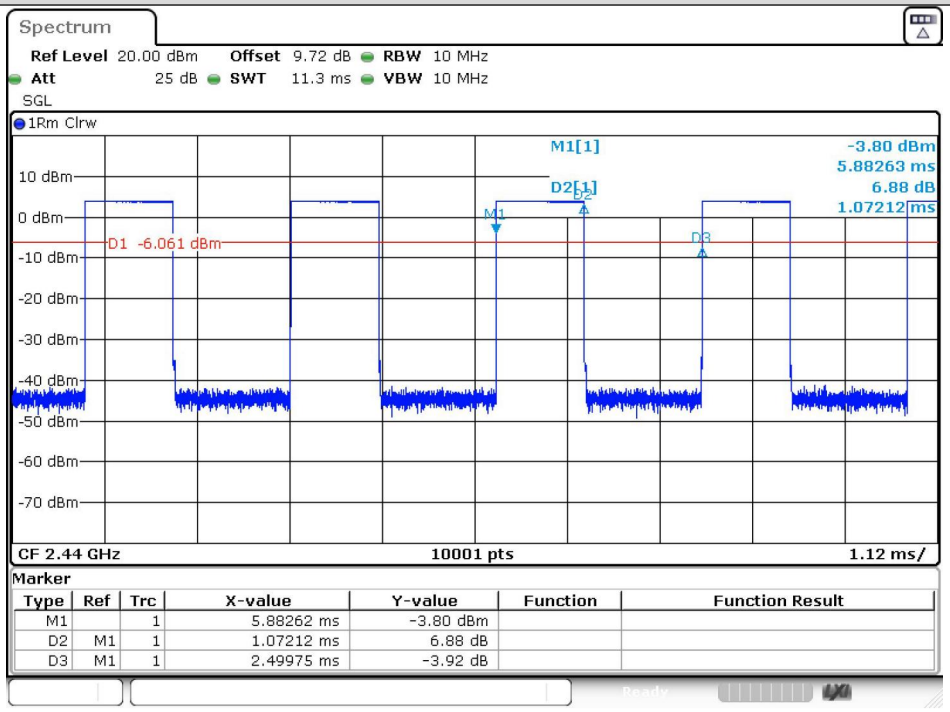
Date: 23.JAN.2024 15:54:36

LE



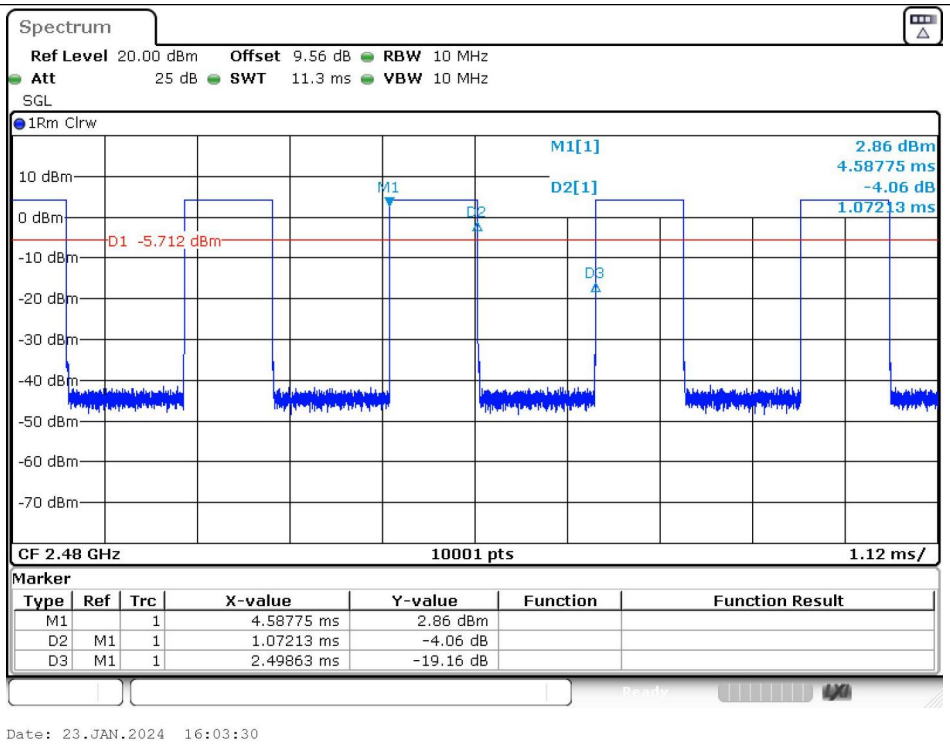
Date: 23.JAN.2024 15:57:31

2LE



Date: 23.JAN.2024 16:00:20

2LE


Spectrum
Ref Level 20.00 dBm Offset 9.56 dB RBW 10 MHz
Att 25 dB SWT 11.3 ms VBW 10 MHz
SGL
1Rm Clrw
M1[1] 2.86 dBm
4.58775 ms
D2[1] -4.06 dB
1.07213 ms
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
D1 -5.712 dBm
M1
D2
D3
CF 2.48 GHz
10001 pts
1.12 ms/
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 4.58775 ms 2.86 dBm
D2 M1 1 1.07213 ms -4.06 dB
D3 M1 1 2.49863 ms -19.16 dB
Date: 23.JAN.2024 16:03:30

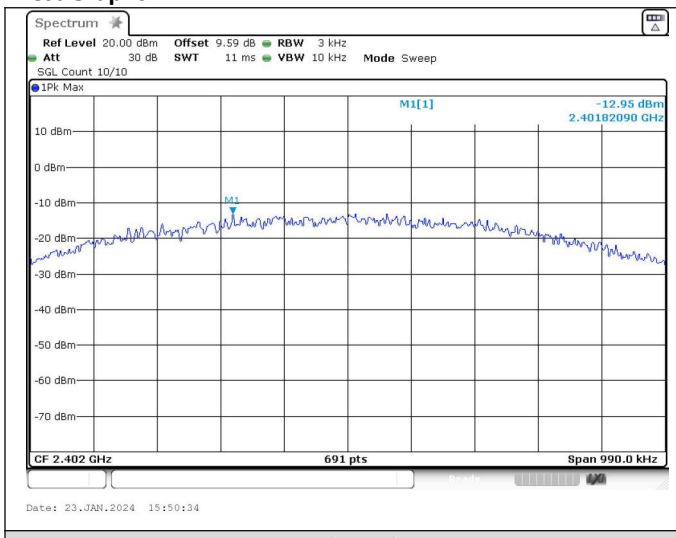
2LE

6) Power Spectral Density

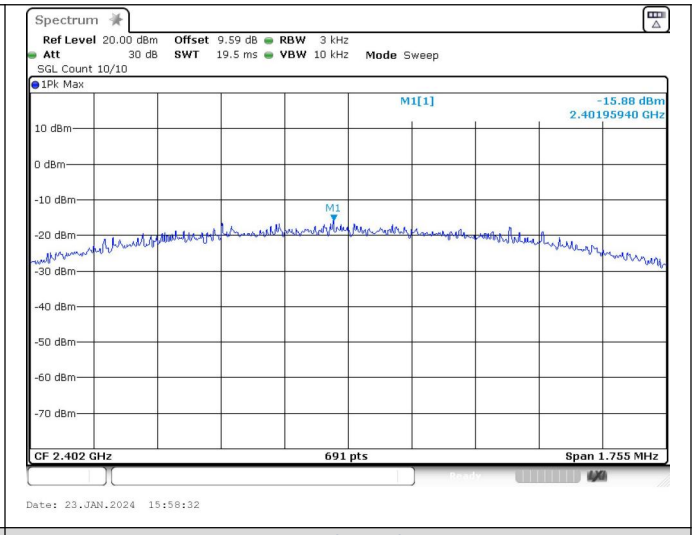
Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
LE	0	-12.954	8	PASS
LE	19	-13.025	8	PASS
LE	39	-12.633	8	PASS
2LE	0	-15.884	8	PASS
2LE	19	-15.748	8	PASS
2LE	39	-15.548	8	PASS

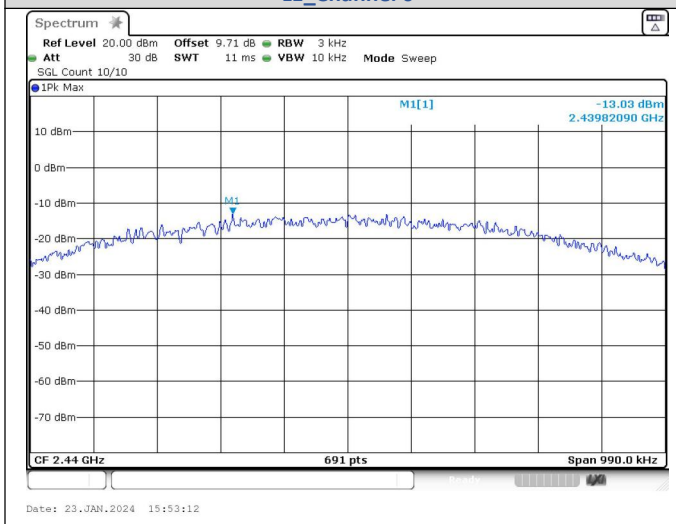
Test Graphs



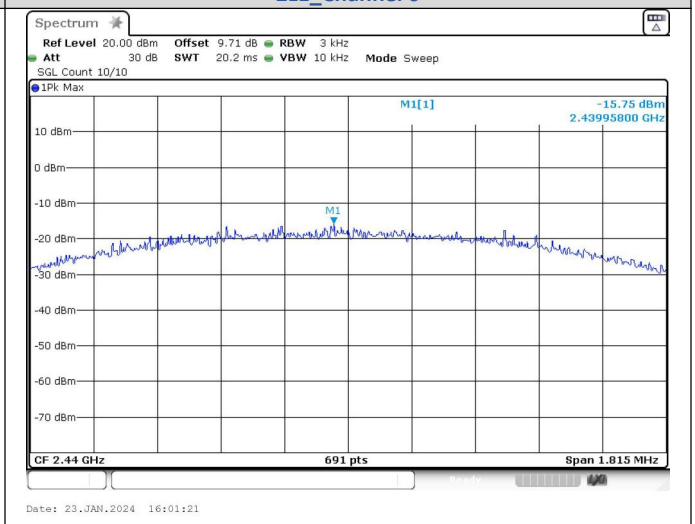
LE_Channel 0



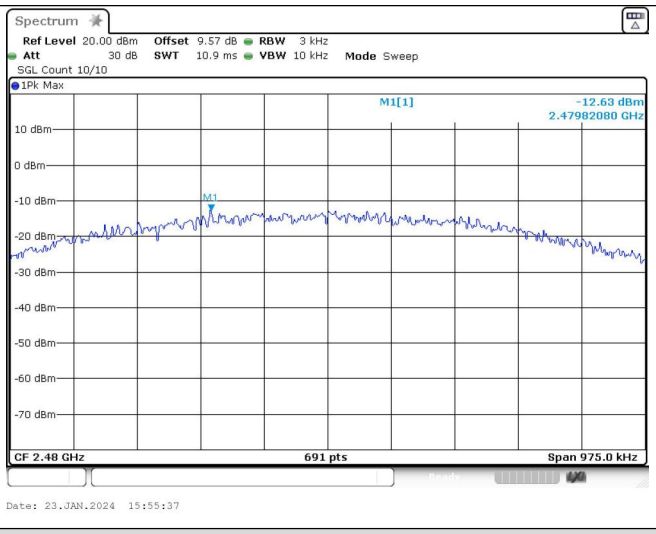
2LE_Channel 0



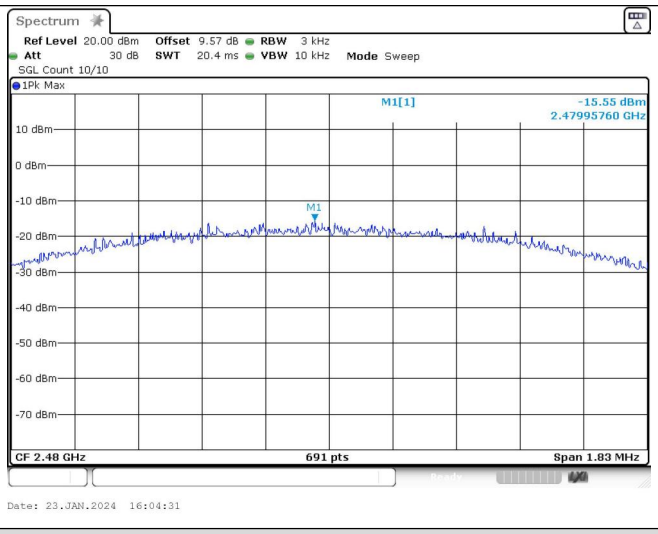
LE_Channel 19



2LE_Channel 19



LE_Channel 39



2LE_Channel 39