

Appendix A

Report No.:	CISRR240119110
FCC ID:	2BET3-K1
Product Name:	loudspeaker box
Model No.:	K1
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

1) Conducted Peak Output Power

Test Result

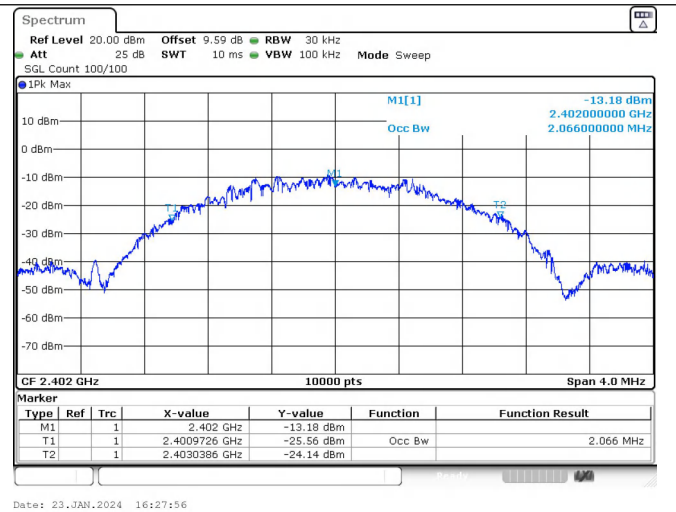
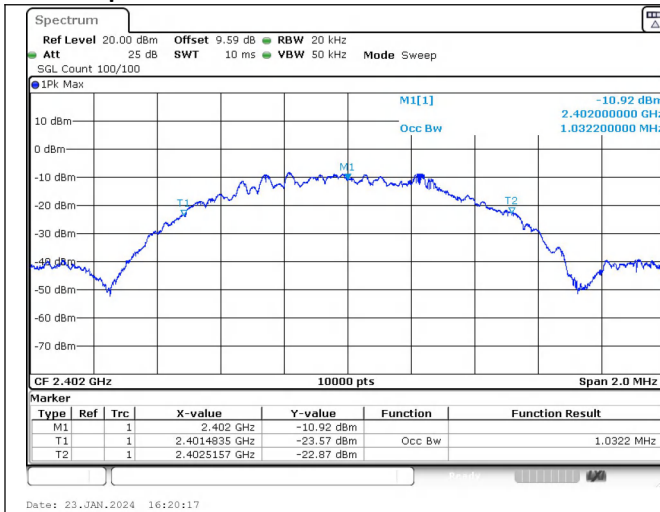
Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
LE	0	-1.648	0.68	30	PASS
	19	-1.722	0.67	30	PASS
	39	-1.432	0.72	30	PASS
2LE	0	-1.342	0.73	30	PASS
	19	-1.207	0.76	30	PASS
	39	-0.965	0.8	30	PASS

2) 99% Bandwidth

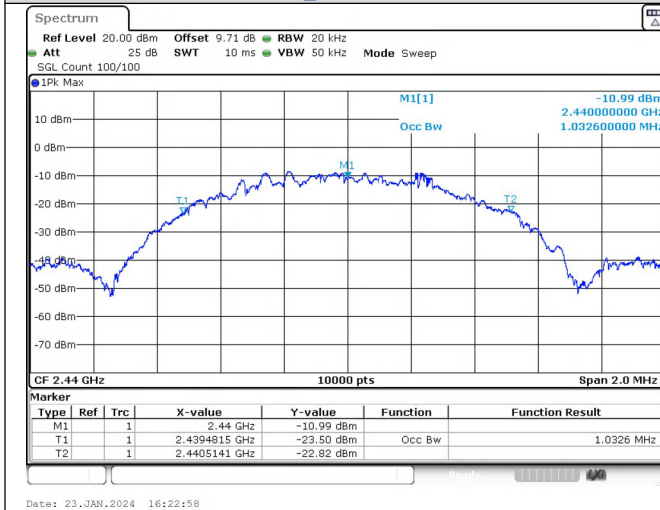
Test Result

Mode	Channel	99% BW (MHz)
LE	0	1.0320
LE	19	1.0330
LE	39	1.0360
2LE	0	2.0660
2LE	19	2.0660
2LE	39	2.0640

Test Graphs

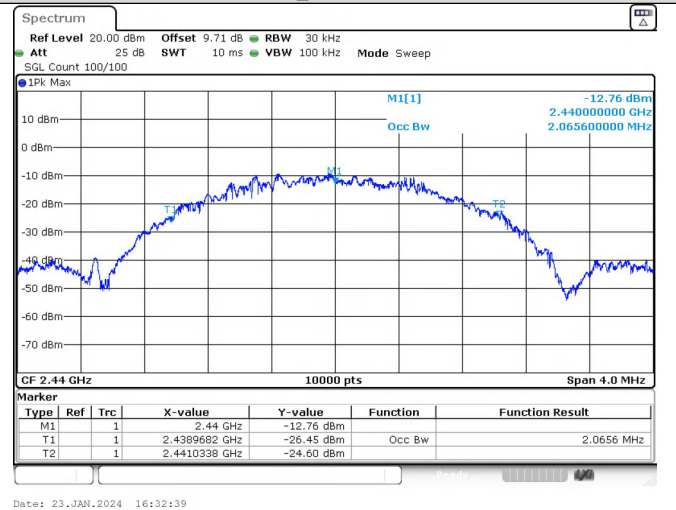


LE_Channel 0

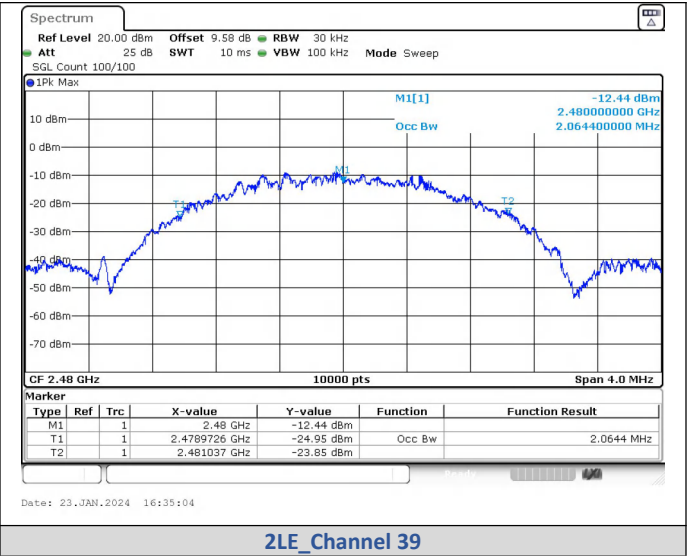
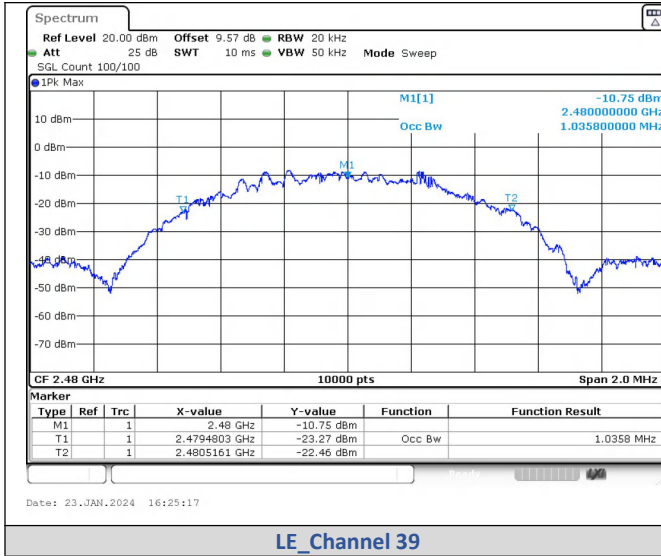


LE_Channel 19

2LE_Channel 0



2LE_Channel 19

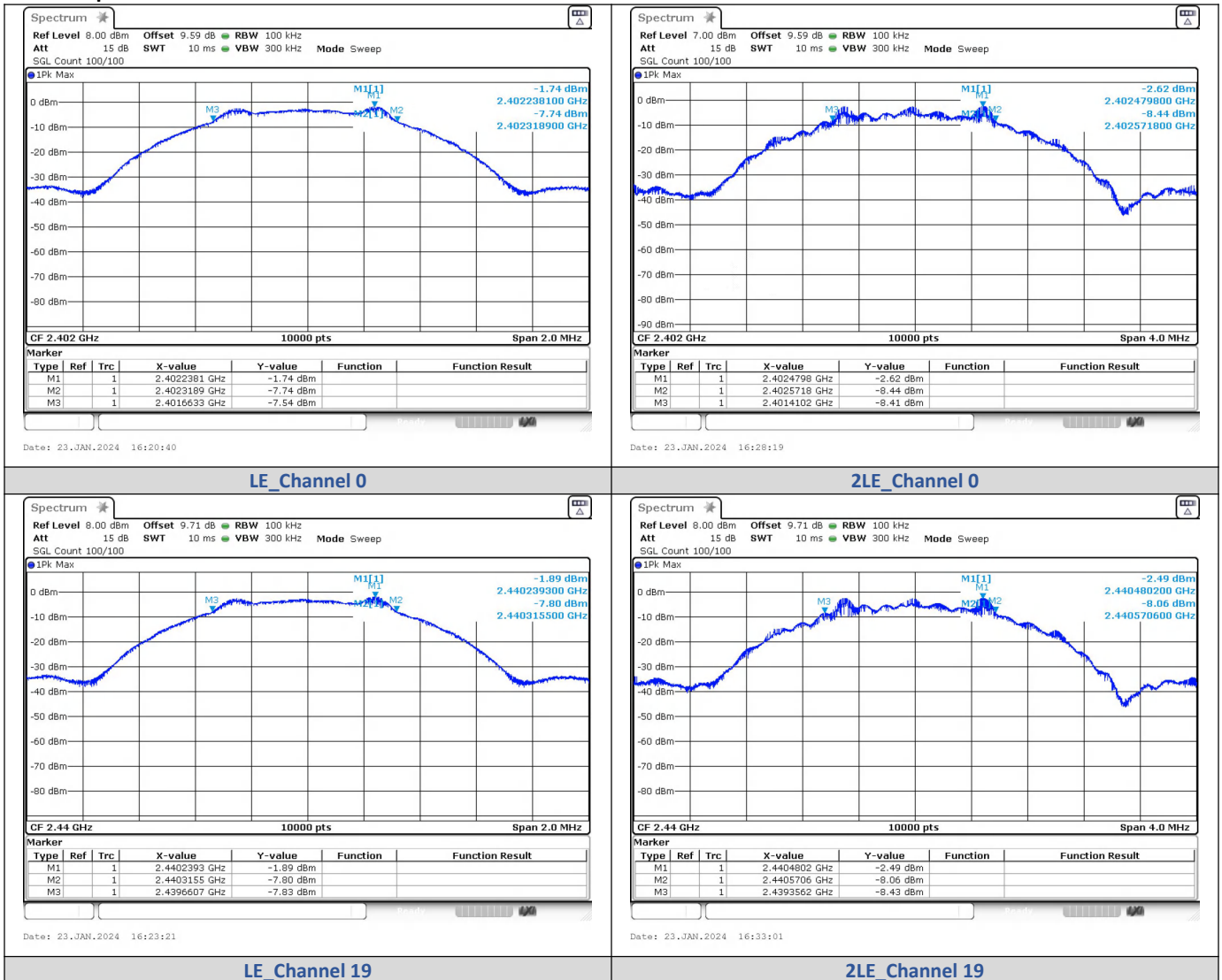


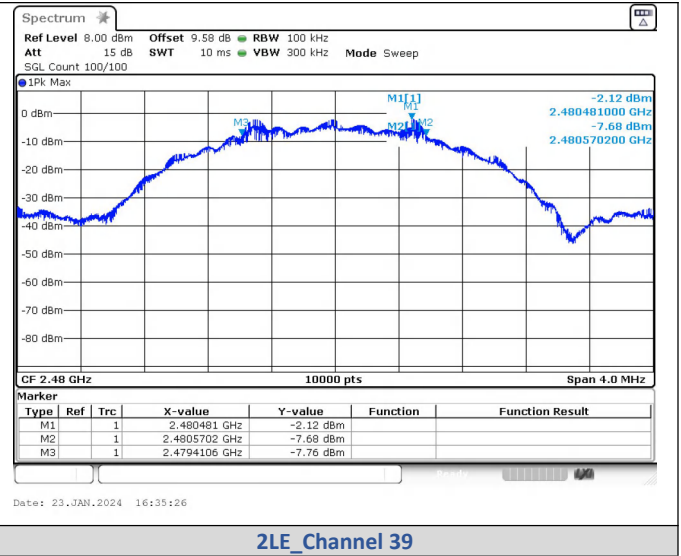
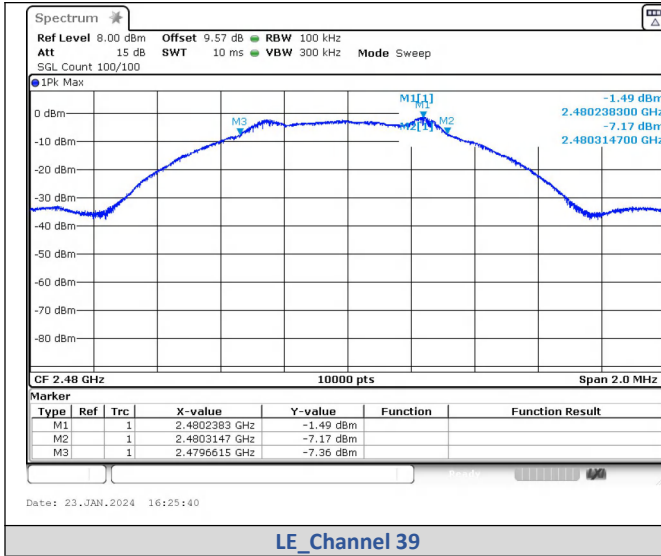
3) 6dB Bandwidth

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	1.160		PASS
	19	2440	1.210		PASS
	39	2480	1.160		PASS

Test Graphs



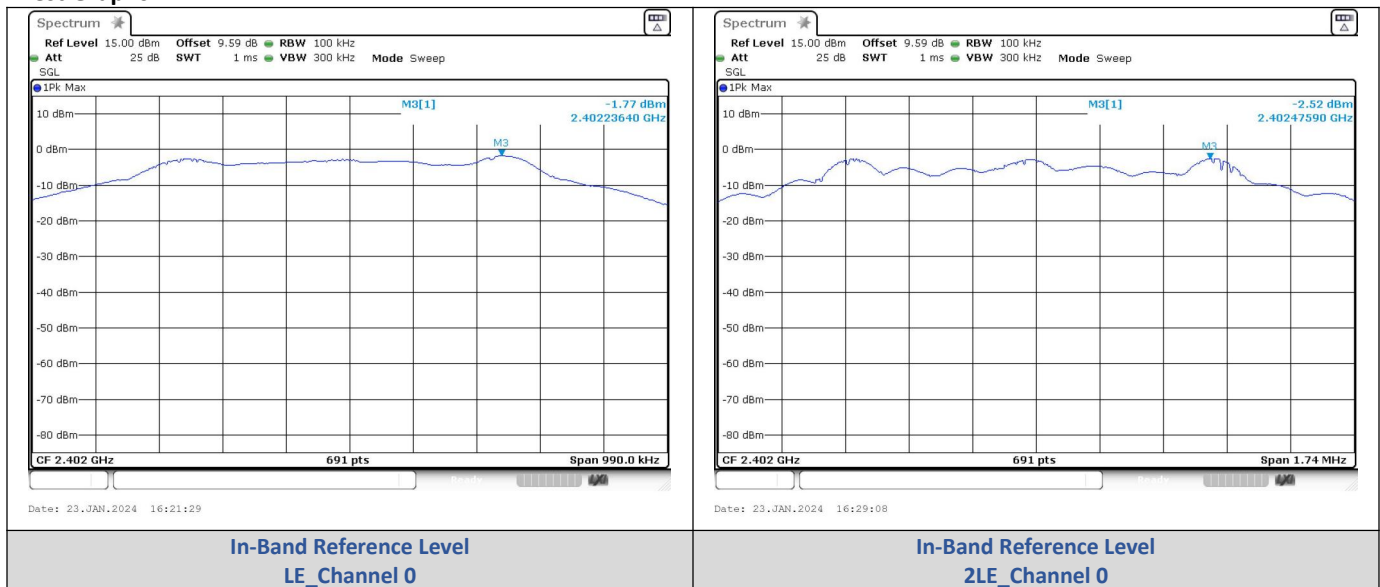


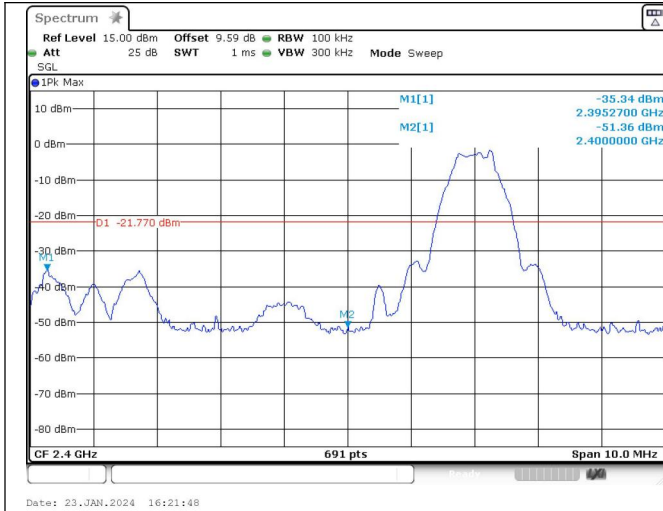
4) Conducted Out Of Band Emission

Test Result

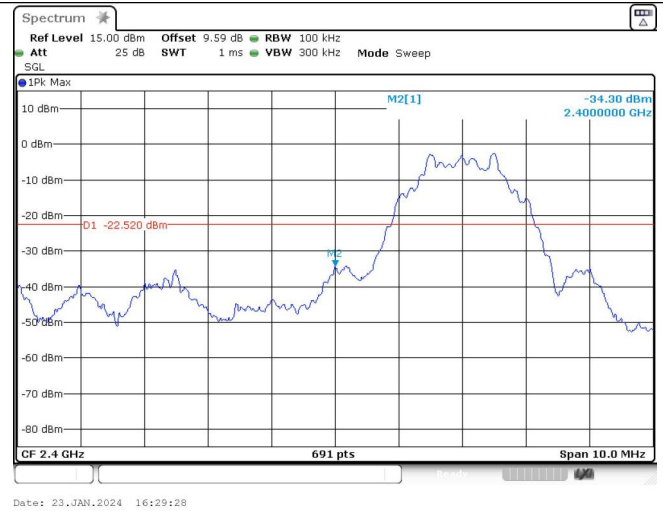
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
LE	0	2400.00	-51.365	-21.77	-29.595	PASS
		2395.27	-35.338	-21.77	-13.568	PASS
		2395.10	-37.950	-21.77	-16.180	PASS
	19	18276.0	-49.541	-21.87	-27.671	PASS
	39	2483.50	-51.497	-21.54	-29.957	PASS
		4960.33	-47.679	-21.54	-26.139	PASS
2LE	0	2400.00	-34.297	-22.52	-11.777	PASS
		2395.08	-40.103	-22.52	-17.583	PASS
	19	21406.4	-49.361	-22.48	-26.881	PASS
	39	2483.50	-50.375	-22.21	-28.165	PASS
		4961.16	-49.393	-22.21	-27.183	PASS

Test Graphs

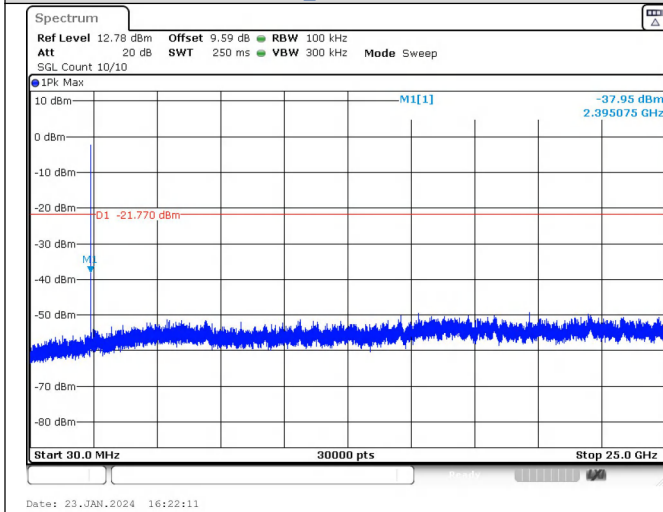




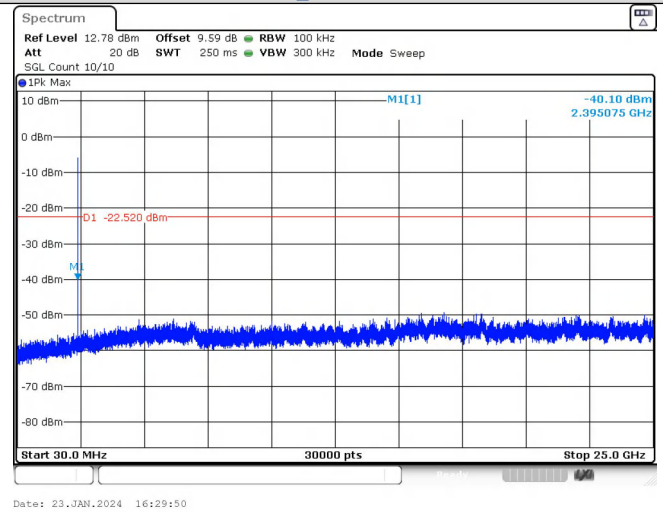
Out Of Band Emission
LE_Channel 0



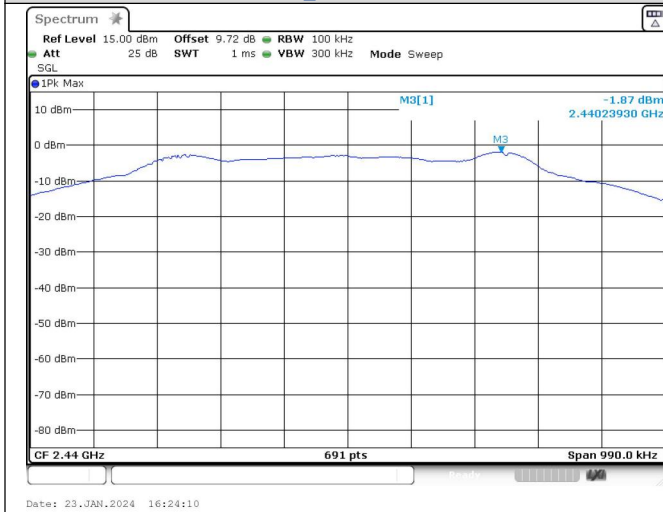
Out Of Band Emission
2LE_Channel 0



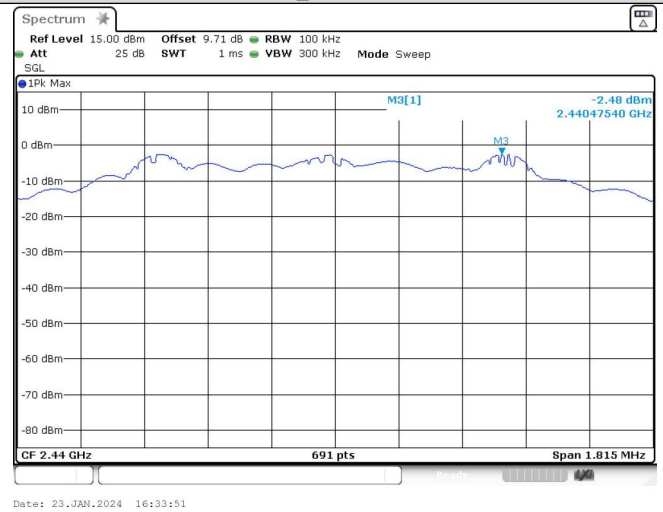
Spurious Emission
LE_Channel 0



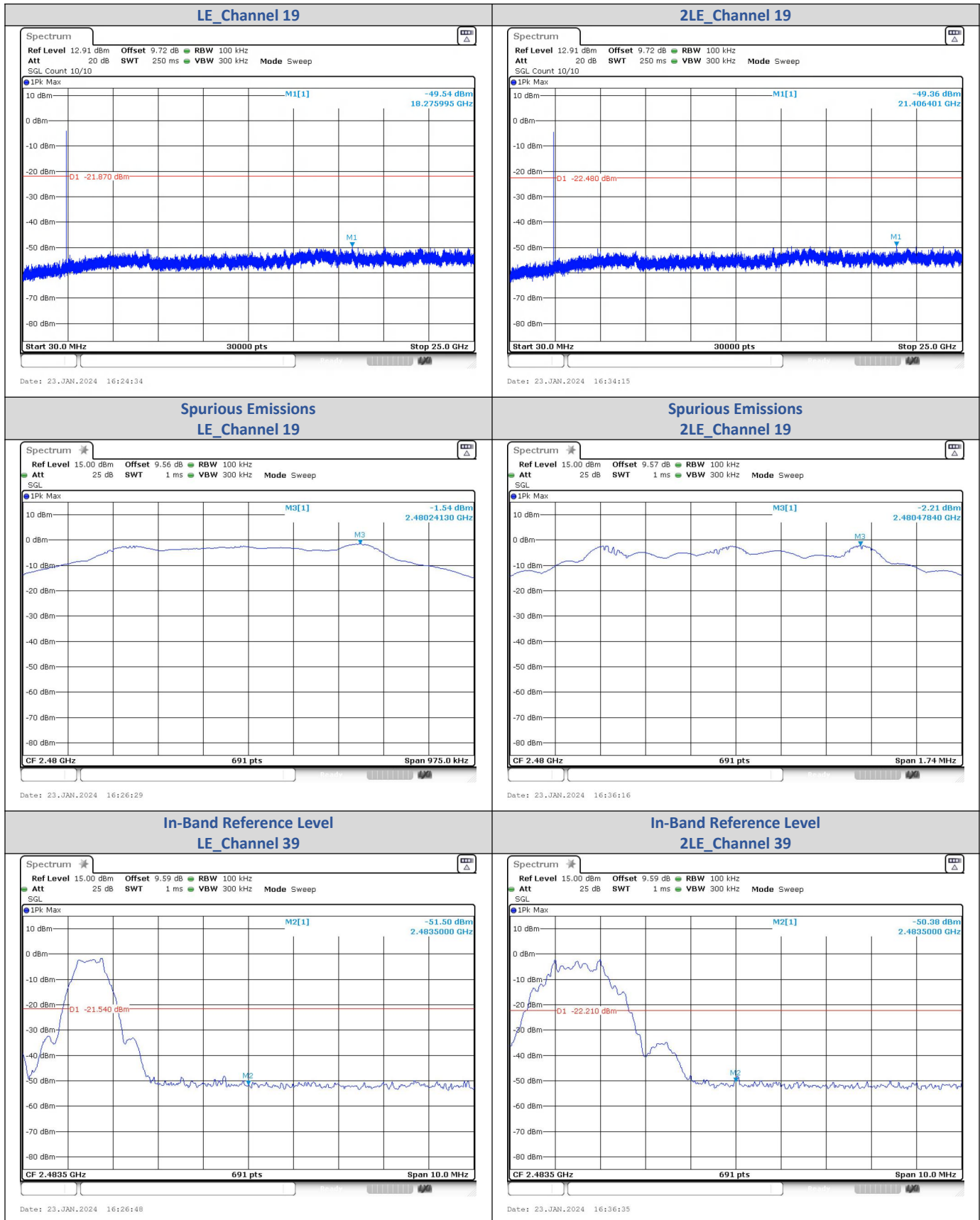
Spurious Emission
2LE_Channel 0



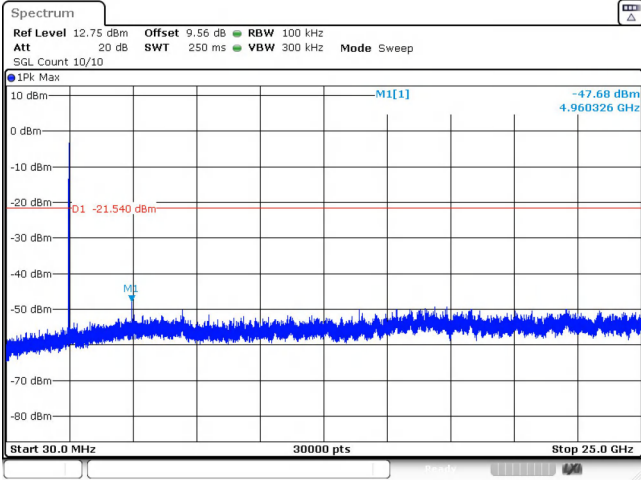
In-Band Reference Level



In-Band Reference Level

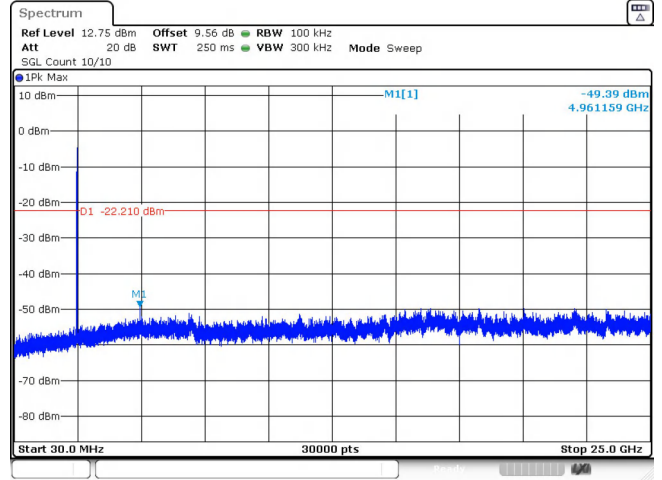


Out Of Band Emission
LE_Channel 39



Spurious Emission
LE_Channel 39

Out Of Band Emission
2LE_Channel 39



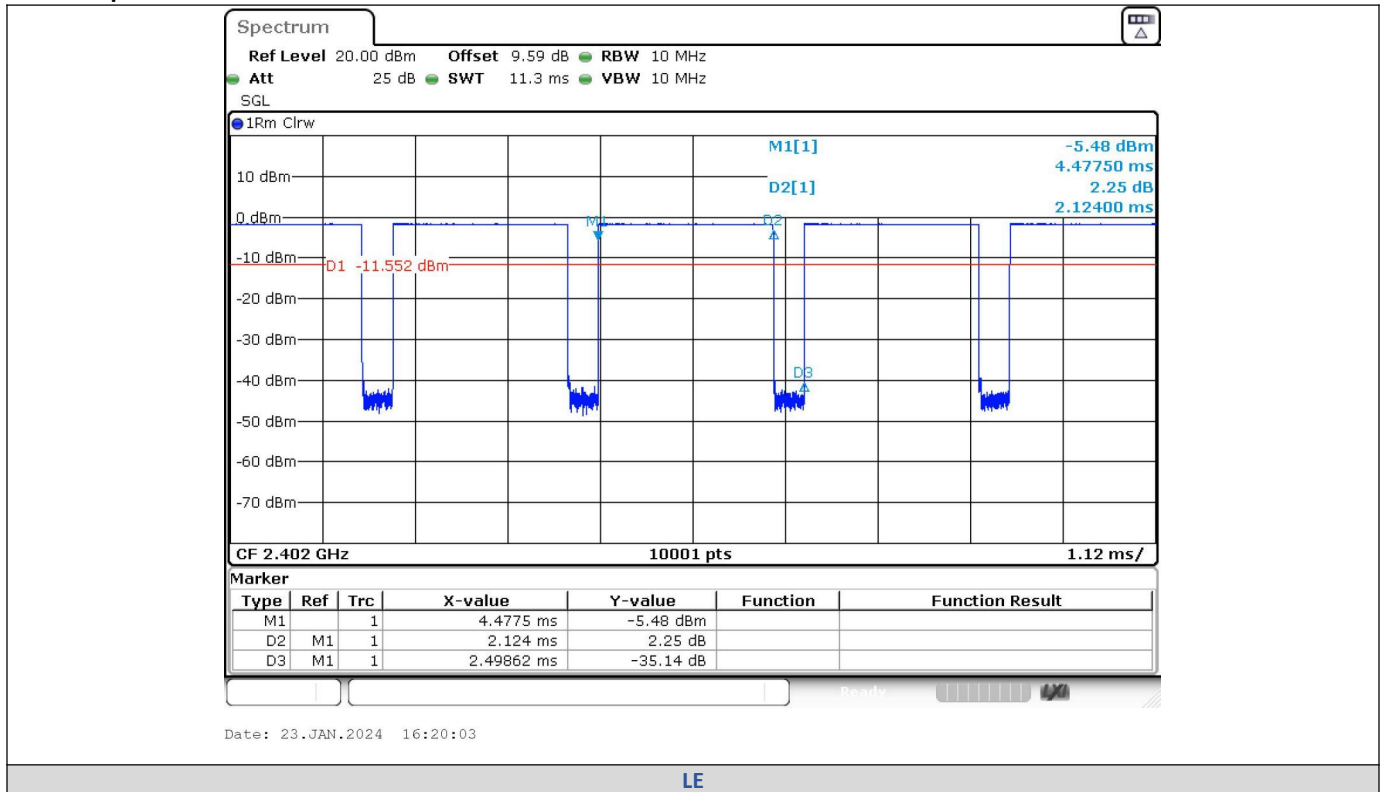
Spurious Emission
2LE_Channel 39

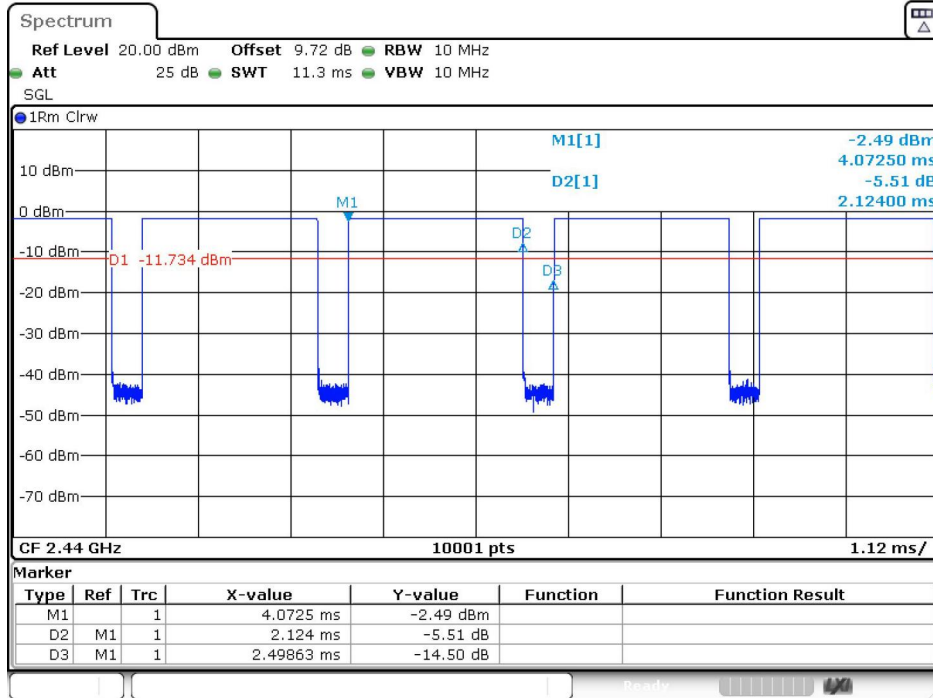
5) Duty Cycle

Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
LE	0	2.124	2.499	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	1.072	2.499	42.91	0.4291	3.6744	0.93
	19	1.073	2.500	42.93	0.4293	3.6724	0.93
	39	1.073	2.500	42.93	0.4293	3.6724	0.93

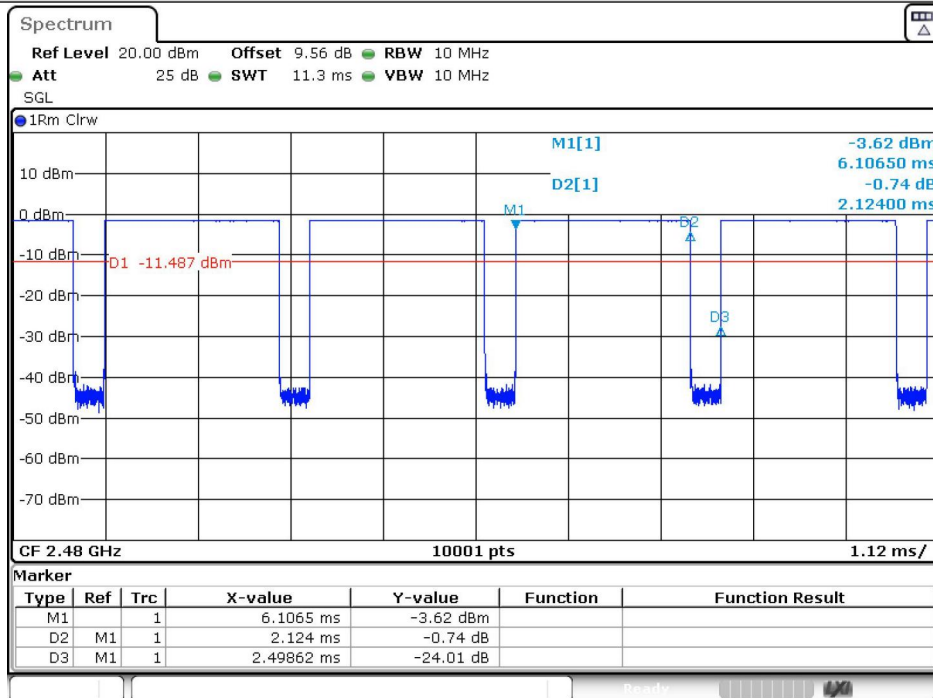
Test Graphs





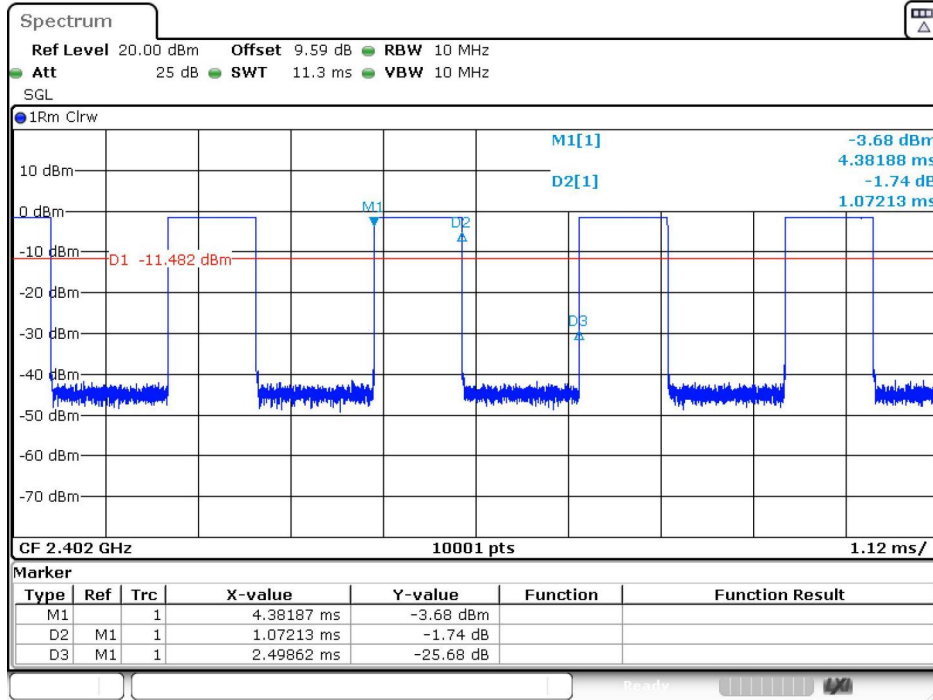
Date: 23.JAN.2024 16:22:44

LE



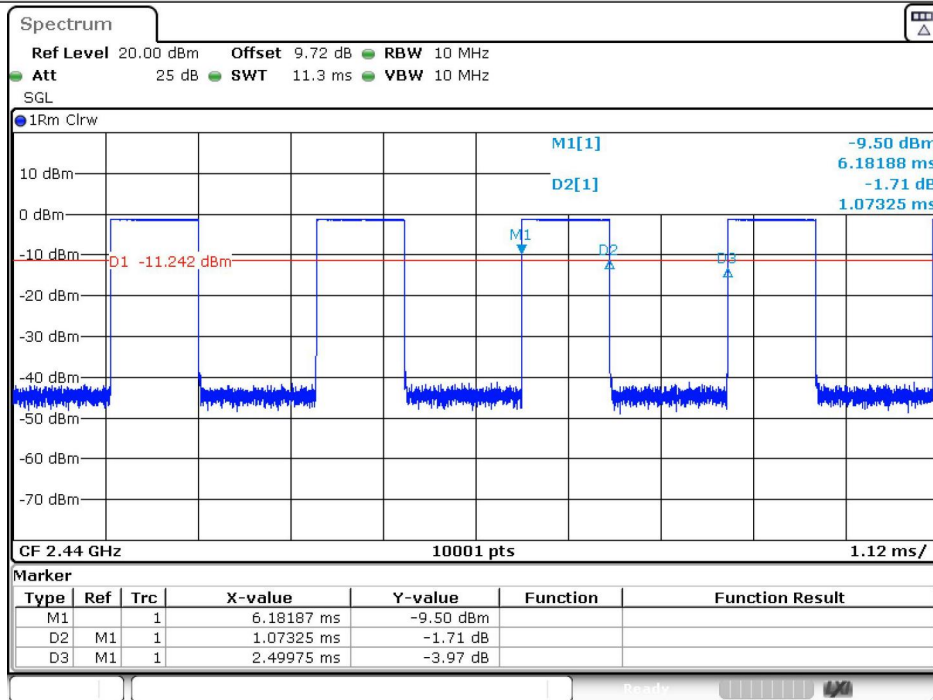
Date: 23.JAN.2024 16:25:03

LE



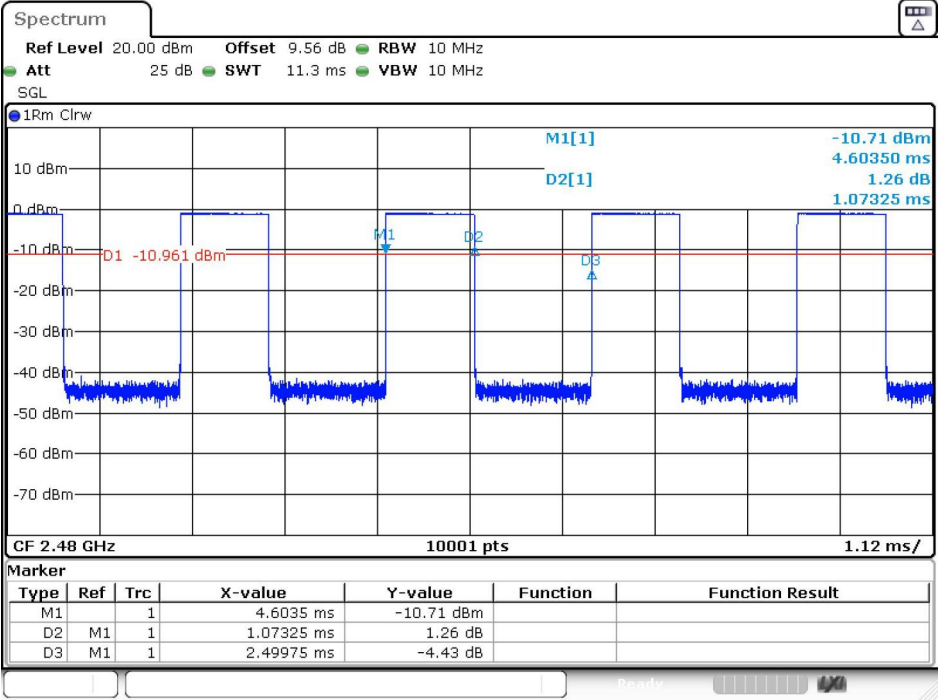
Date: 23.JAN.2024 16:27:42

2LE



Date: 23.JAN.2024 16:32:25

2LE



Date: 23.JAN.2024 16:34:49

6) Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
LE	0	-18.104	8	PASS
LE	19	-18.216	8	PASS
LE	39	-18.024	8	PASS
2LE	0	-21.116	8	PASS
2LE	19	-21.878	8	PASS
2LE	39	-20.829	8	PASS

Test Graphs

