

Appendix B

Report No.:	CISRR24032210302
FCC ID:	2BFNA-LT3688
Product Name:	Smart Ring
Model No.:	LT3688
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

Conducted Peak Output Power

Test Result

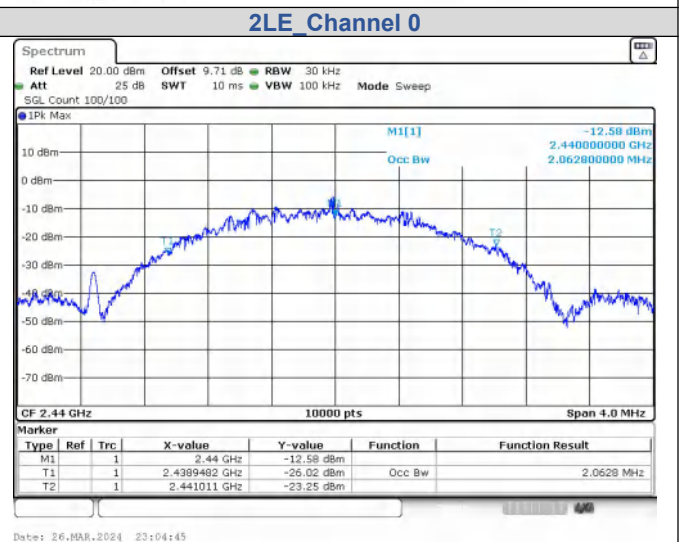
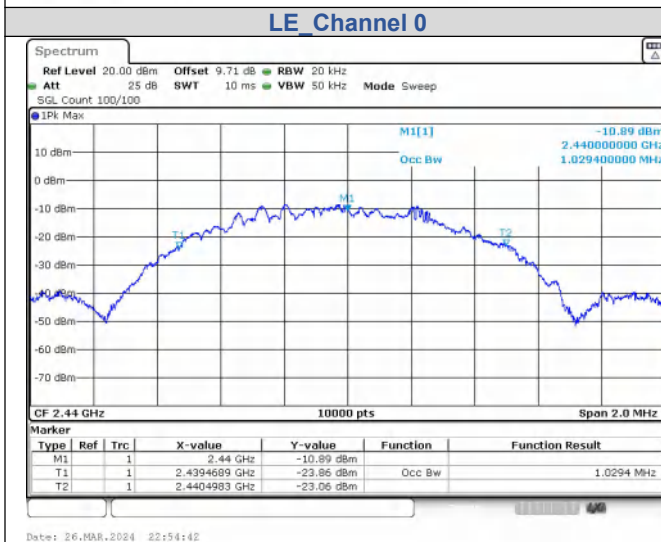
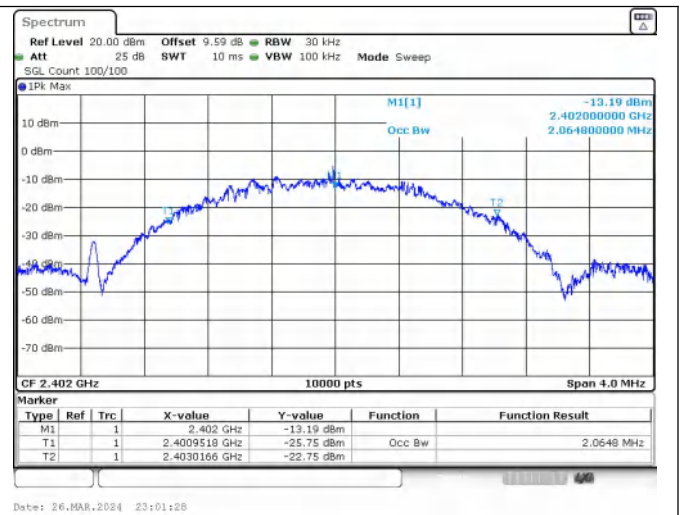
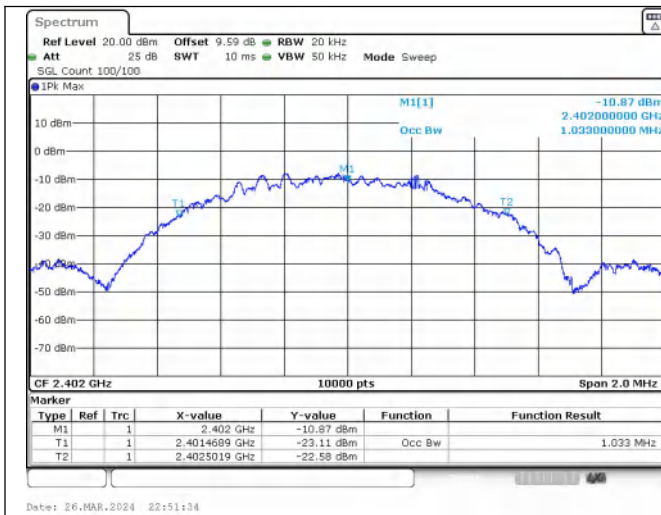
Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
LE	0	-1.295	0.74	30	PASS
	19	-1.787	0.66	30	PASS
	39	-0.694	0.85	30	PASS
2LE	0	-0.840	0.82	30	PASS
	19	-1.216	0.76	30	PASS
	39	-0.216	0.95	30	PASS

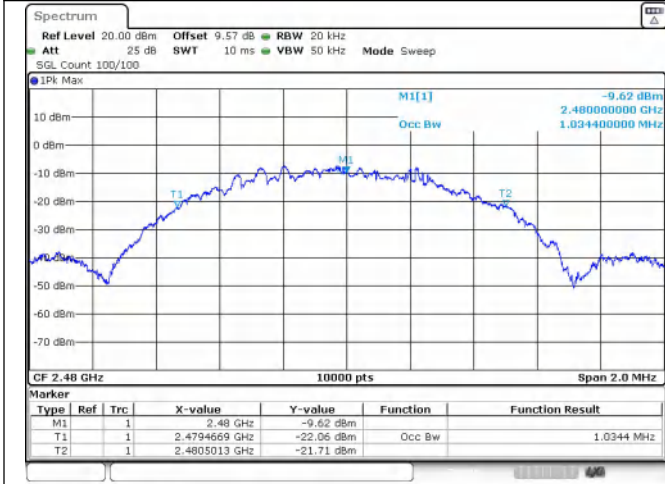
99% Bandwidth

Test Result

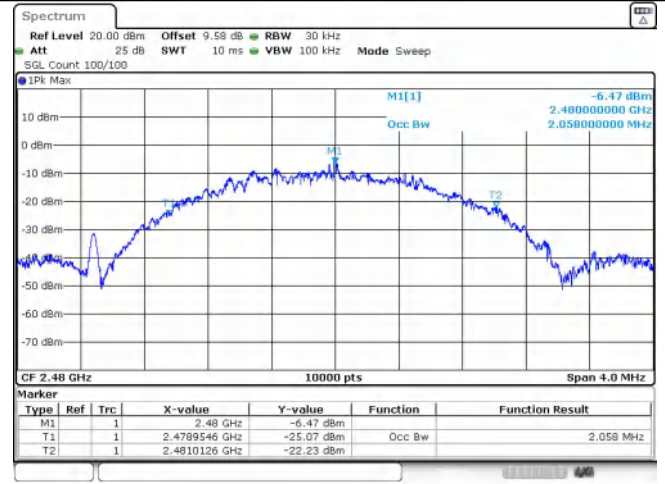
Mode	Channel	99% BW (MHz)
LE	0	1.0330
LE	19	1.0290
LE	39	1.0340
2LE	0	2.0650
2LE	19	2.0630
2LE	39	2.0580

Test Graphs





LE_Channel 39



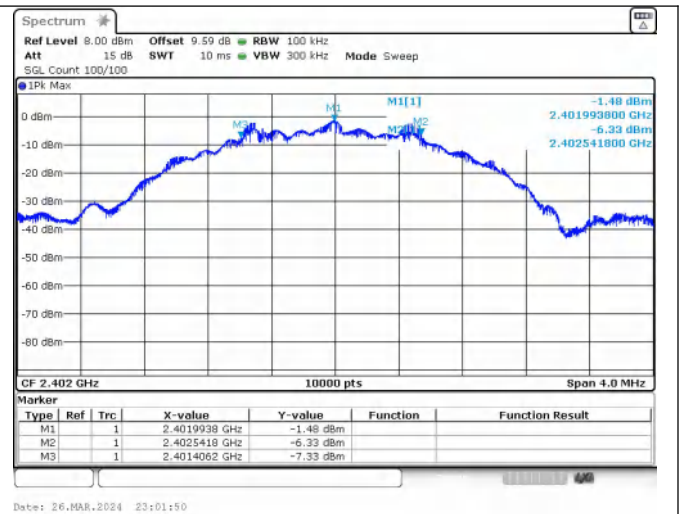
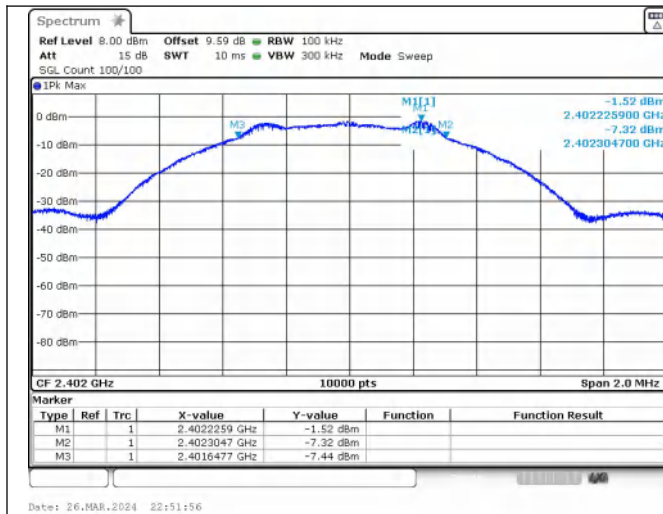
2LE_Channel 39

6dB Bandwidth

Test Result

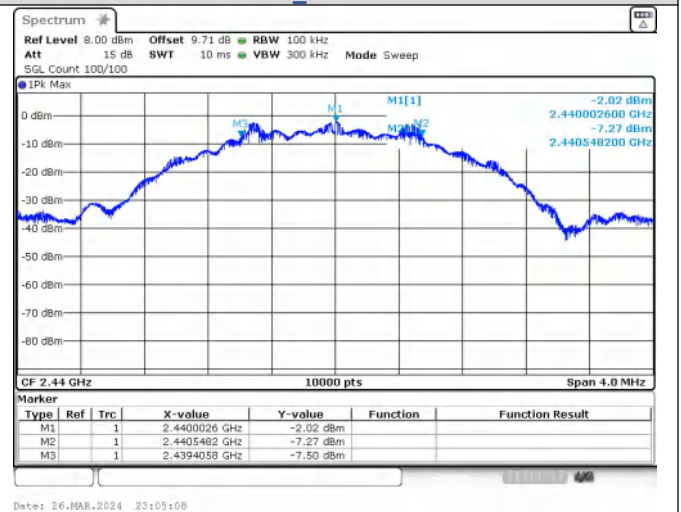
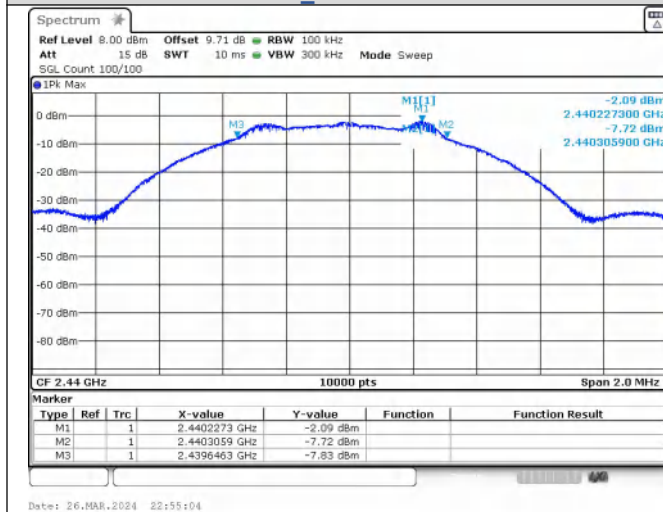
Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
LE	0	2402	0.6500	0.5	PASS
	19	2440	0.6600		PASS
	39	2480	0.6600		PASS
2LE	0	2402	1.130		PASS
	19	2440	1.140		PASS
	39	2480	1.140		PASS

Test Graphs



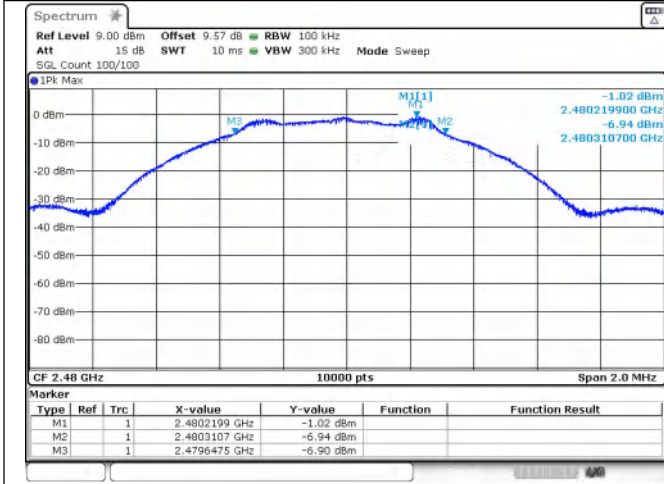
LE_Channel 0

2LE_Channel 0



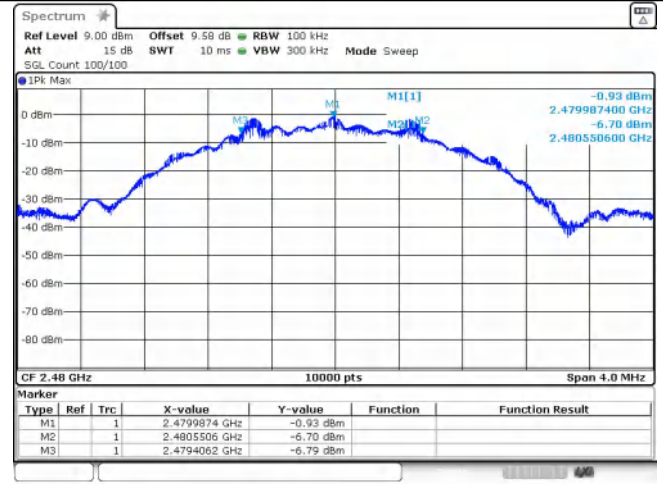
LE_Channel 19

2LE_Channel 19



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LE_Channel 39



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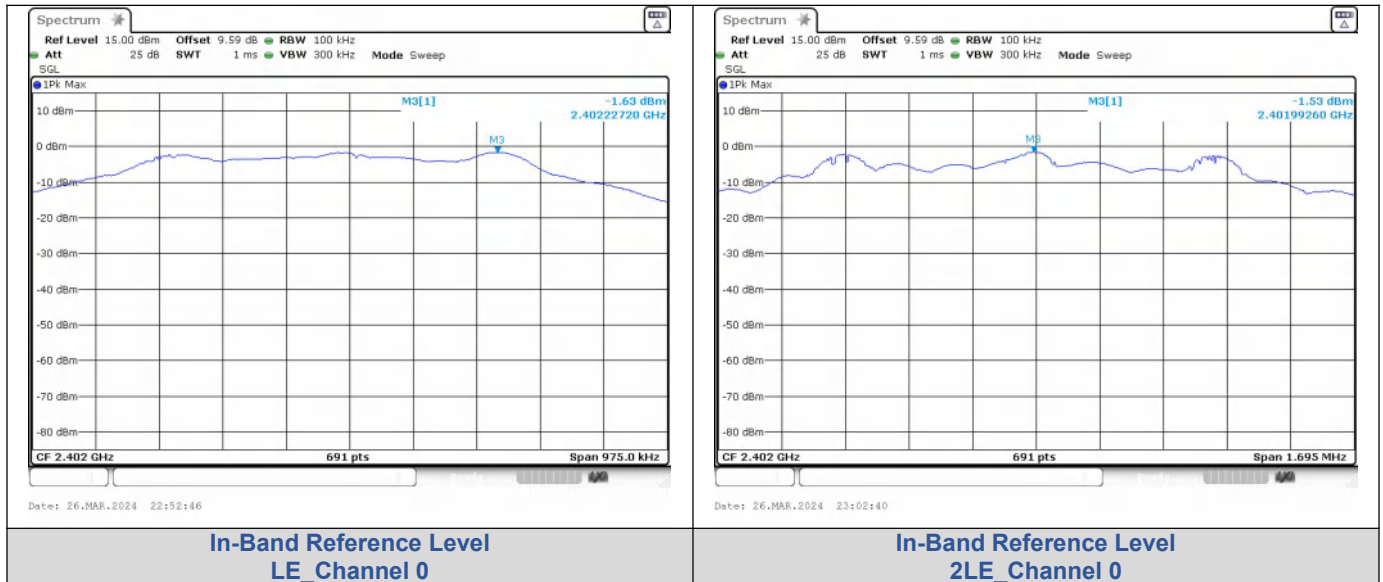
2LE_Channel 39

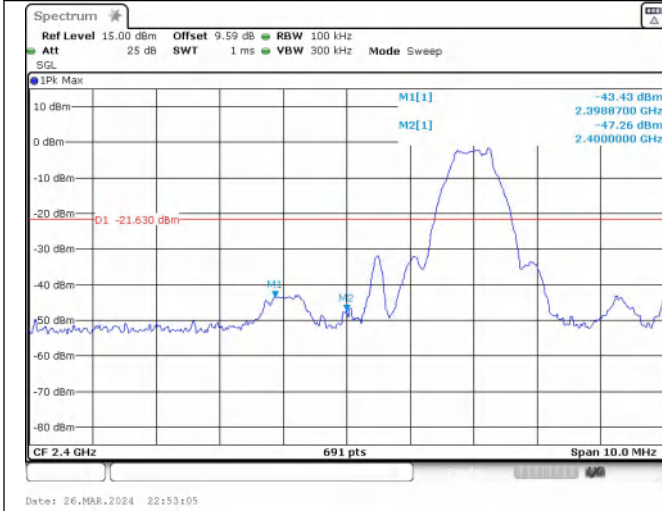
Conducted Out Of Band Emission

Test Result

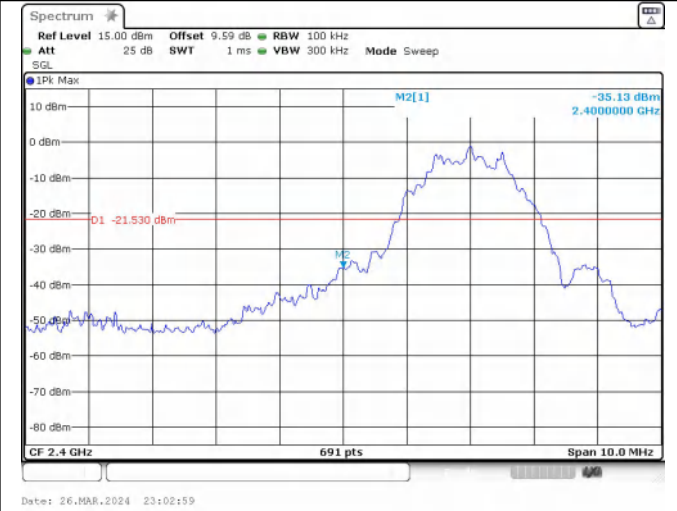
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
LE	0	2400.00	-47.263	-21.63	-25.633	PASS
		2398.87	-43.430	-21.63	-21.800	PASS
		9602.20	-46.173	-21.63	-24.543	PASS
	39	9753.73	-45.323	-22.09	-23.233	PASS
		2483.50	-45.132	-20.97	-24.162	PASS
		7434.02	-45.955	-20.97	-24.985	PASS
2LE	0	2400.00	-35.135	-21.53	-13.605	PASS
		7200.14	-46.055	-21.53	-24.525	PASS
	19	9753.73	-45.114	-22.36	-22.754	PASS
		2483.50	-51.712	-20.88	-30.832	PASS
	39	9914.37	-48.137	-20.88	-27.257	PASS

Test Graphs

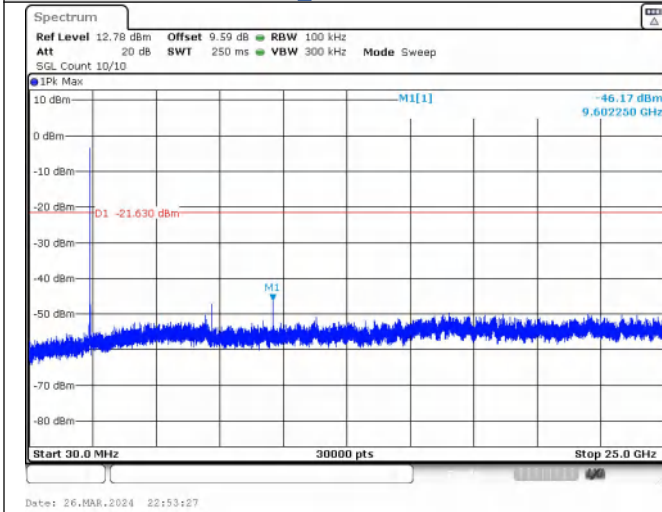




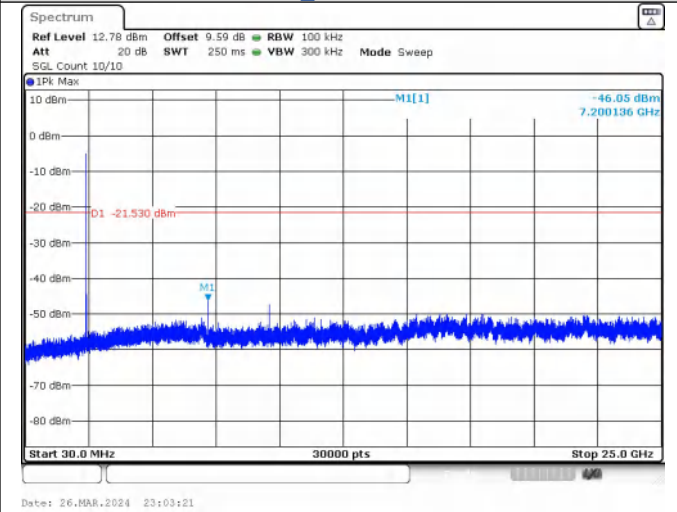
**Out Of Band Emission
LE_Channel 0**



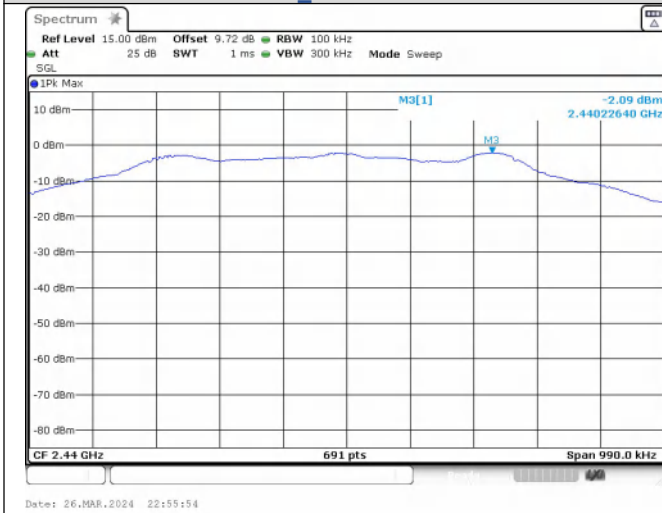
**Out Of Band Emission
2LE_Channel 0**



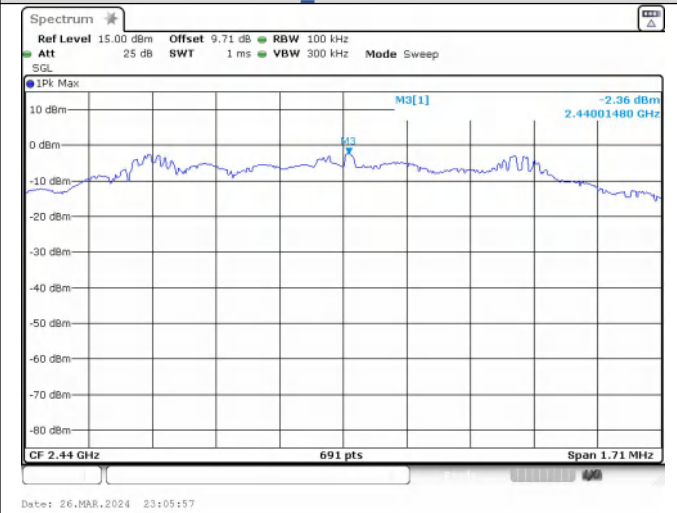
**Spurious Emission
LE_Channel 0**



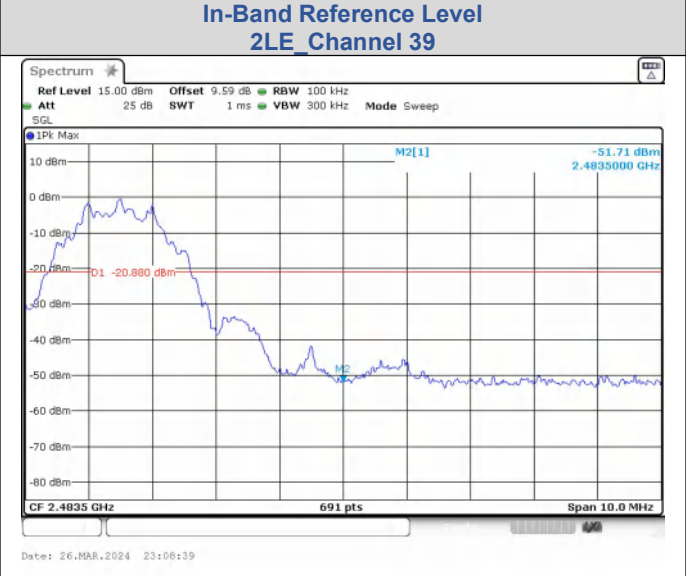
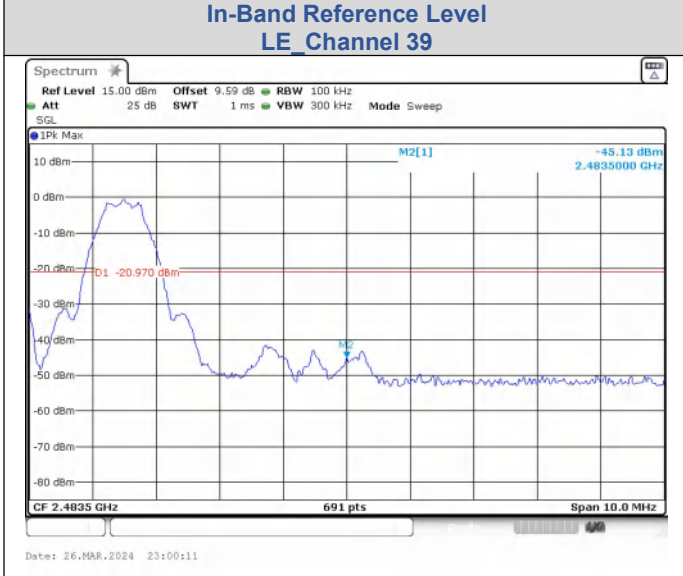
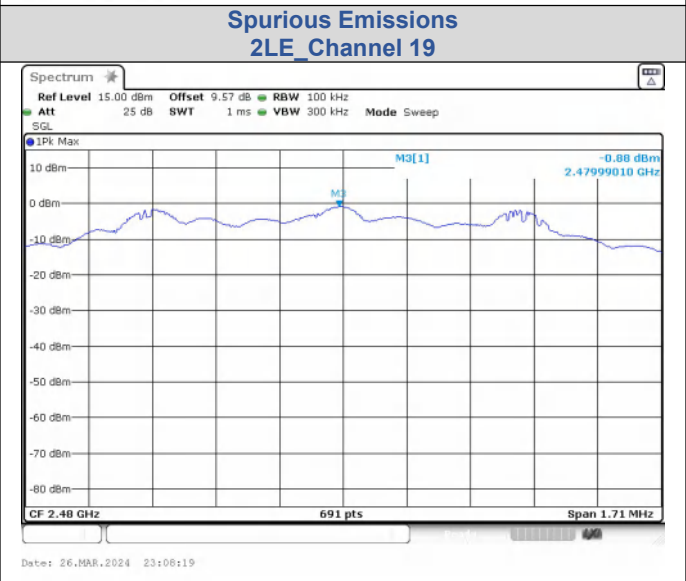
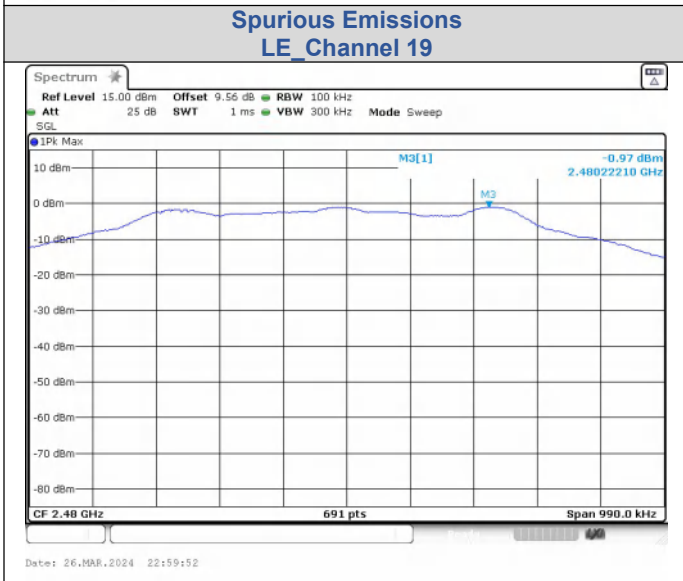
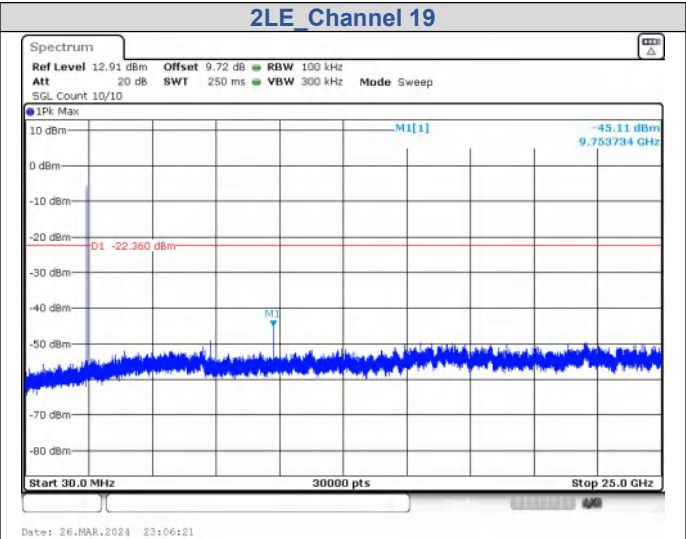
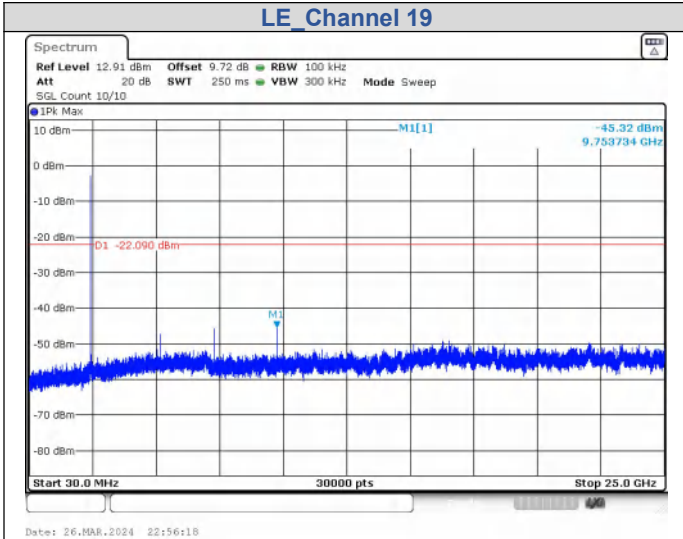
**Spurious Emission
2LE_Channel 0**



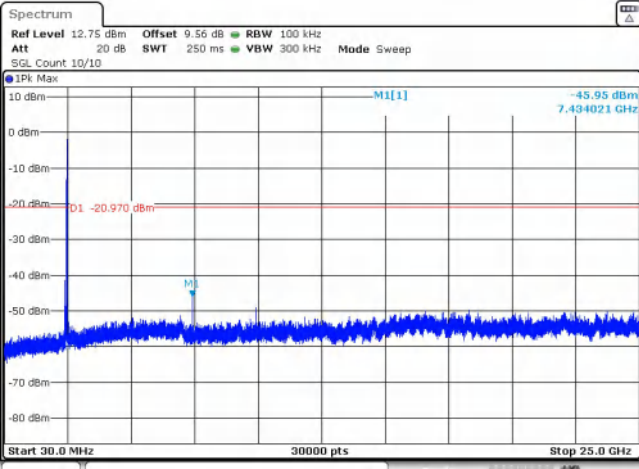
In-Band Reference Level



In-Band Reference Level



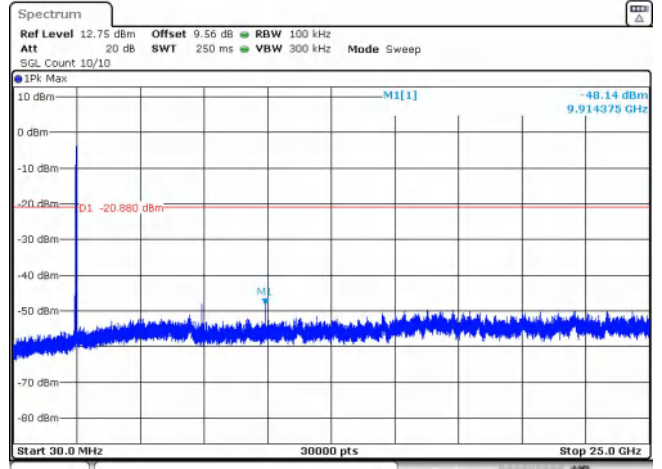
**Out Of Band Emission
LE_Channel 39**



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**Spurious Emission
LE_Channel 39**

**Out Of Band Emission
2LE_Channel 39**



Date: 26.MAR.2024 23:09:01

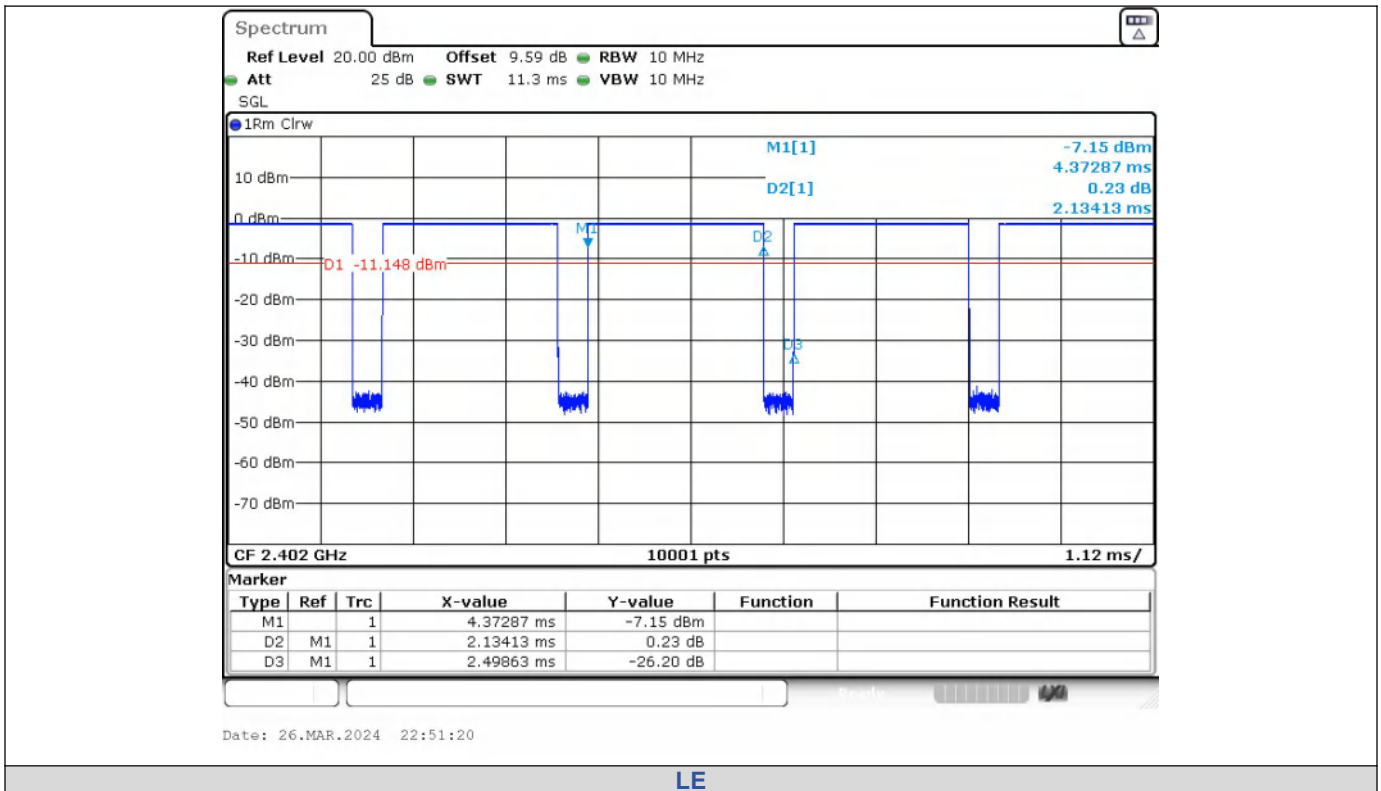
**Spurious Emission
2LE_Channel 39**

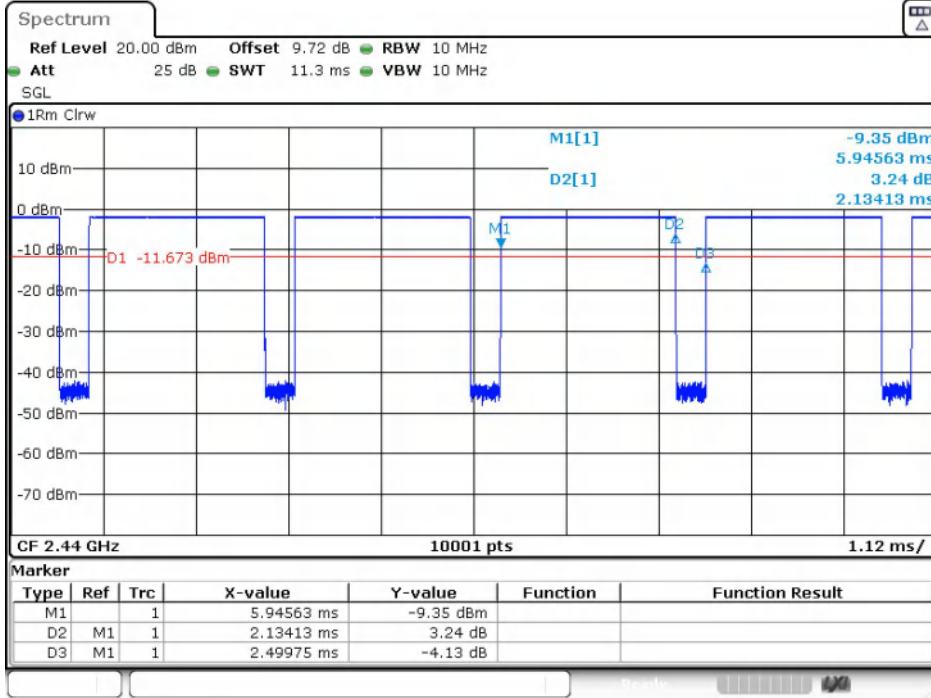
Duty Cycle

Test Result

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

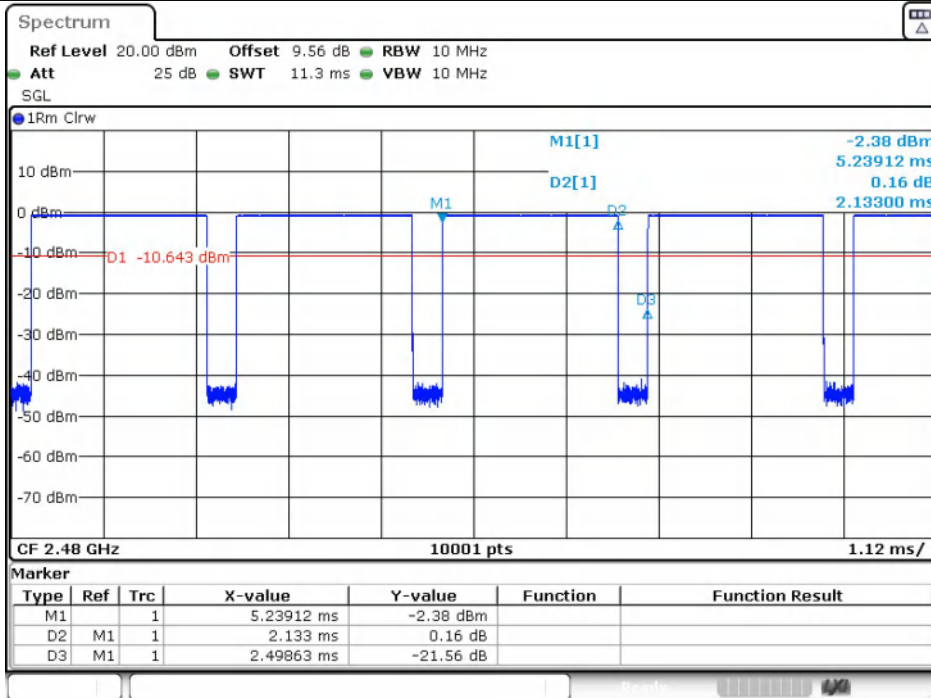
Test Graphs





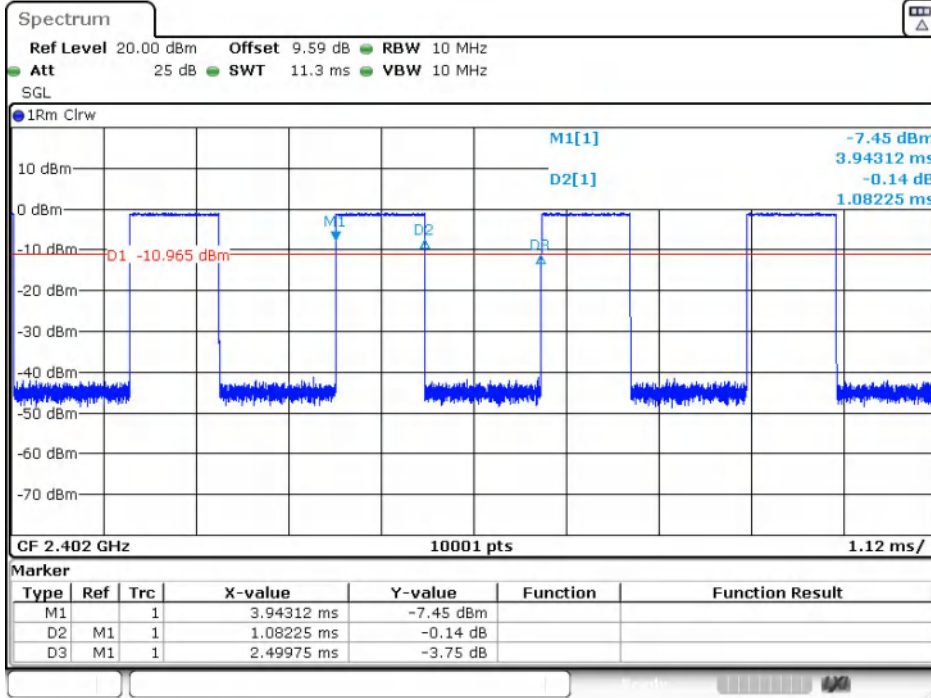
Date: 26.MAR.2024 22:54:27

LE



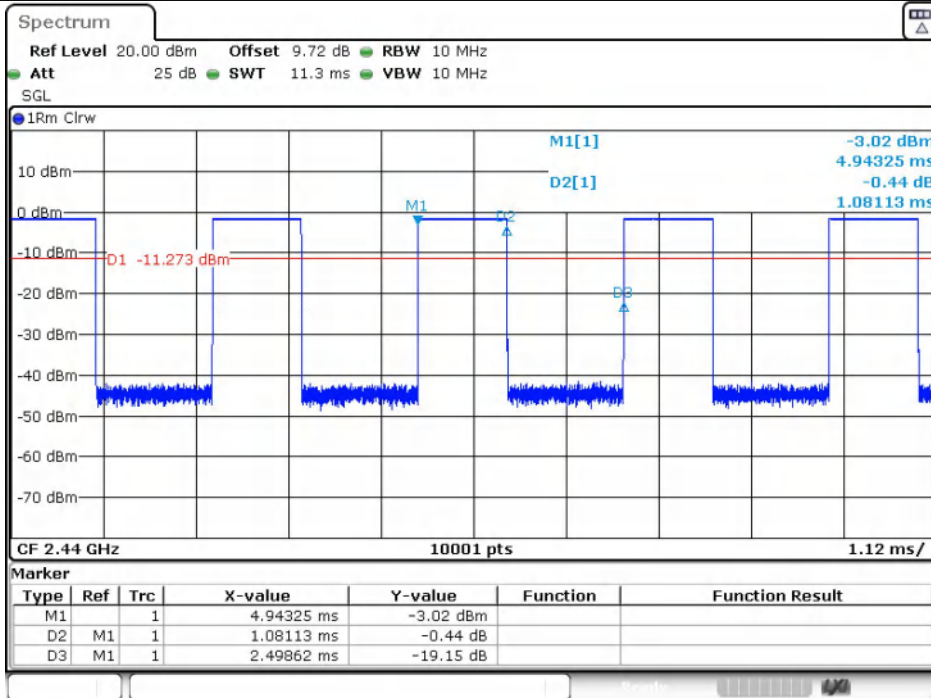
Date: 26.MAR.2024 22:58:26

LE



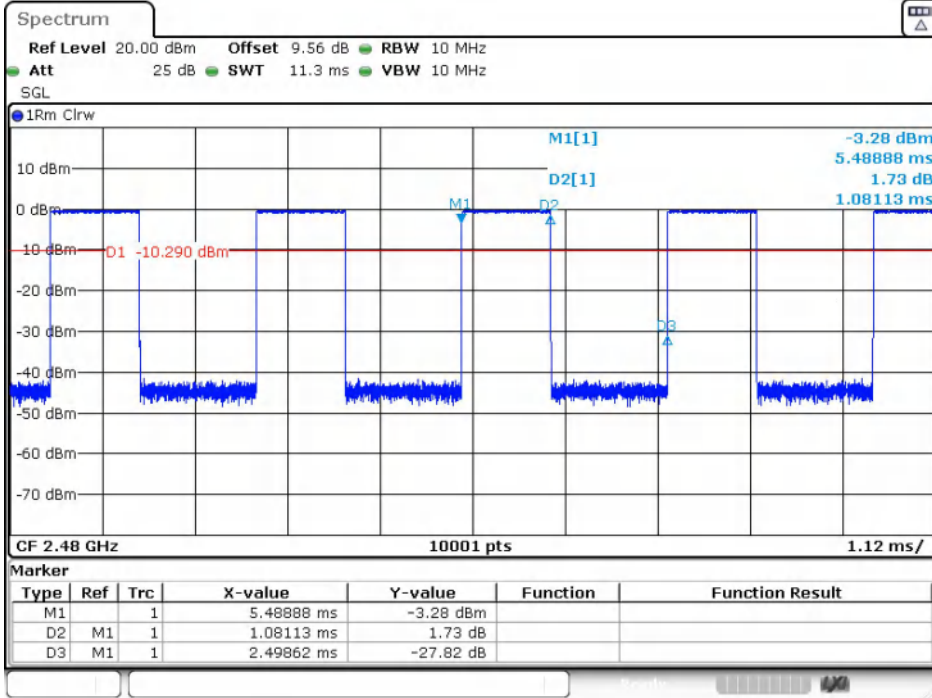
Date: 26.MAR.2024 23:01:14

2LE



Date: 26.MAR.2024 23:04:31

2LE



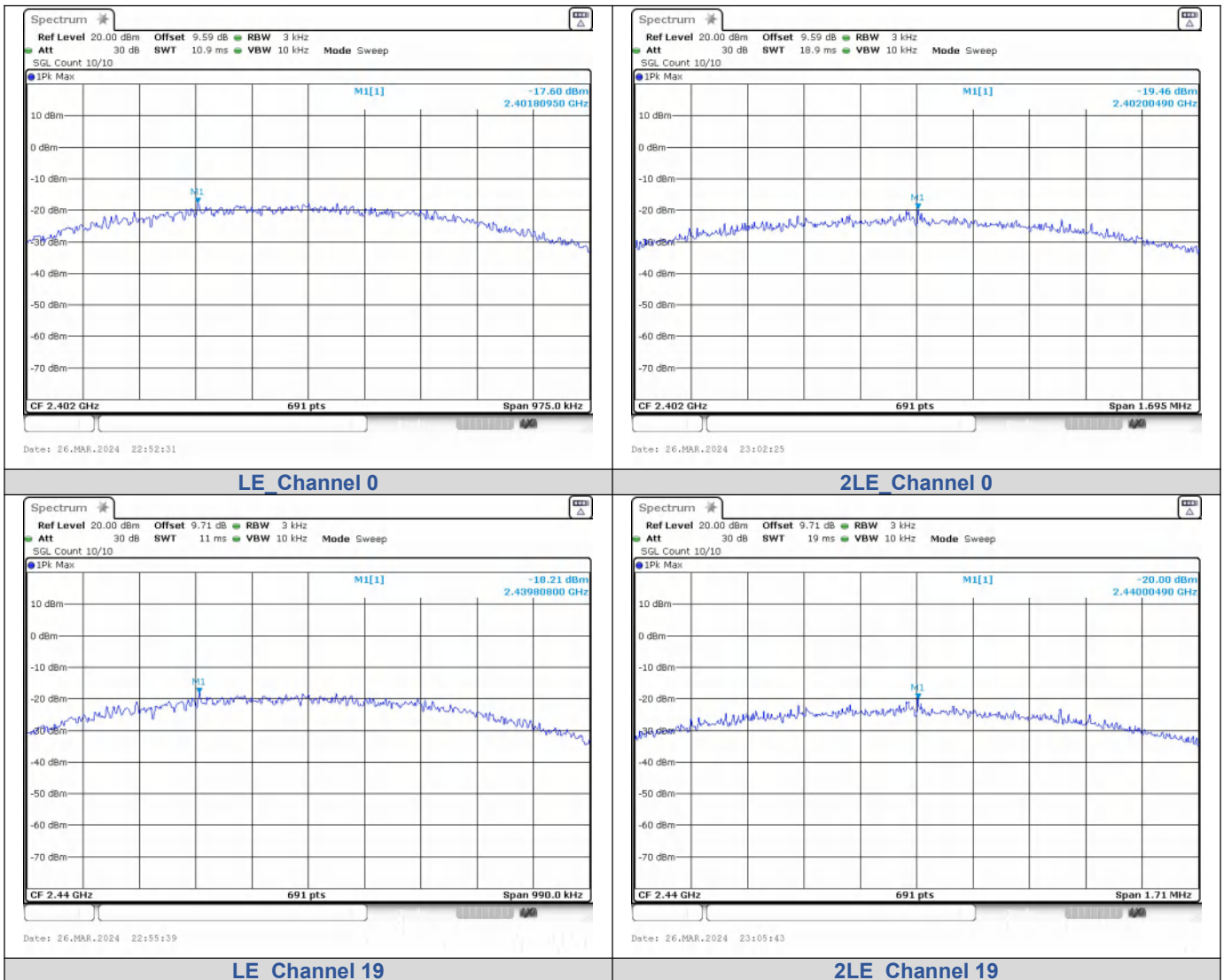
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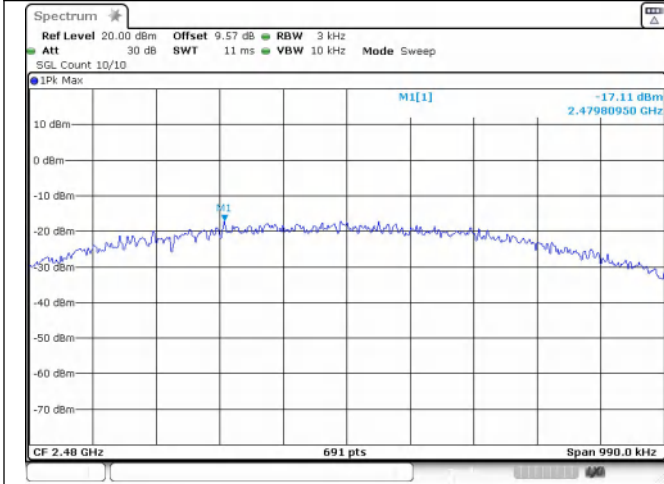
Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
LE	0	-17.599	8	PASS
LE	19	-18.206	8	PASS
LE	39	-17.105	8	PASS
2LE	0	-19.455	8	PASS
2LE	19	-20.004	8	PASS
2LE	39	-18.966	8	PASS

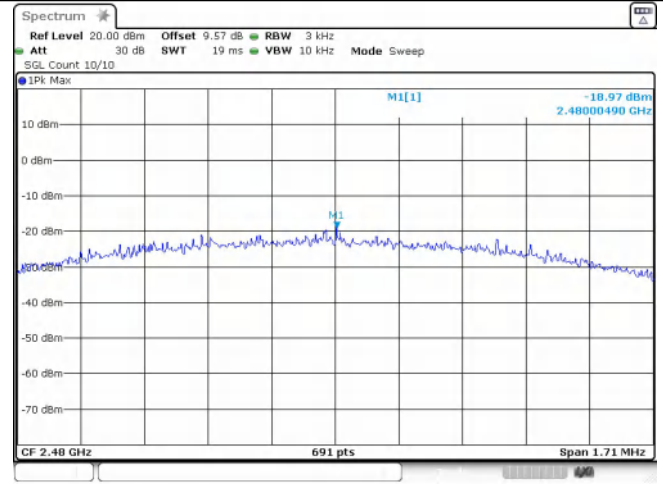
Test Graphs





Date: 26.MAR.2024 22:59:37

LE_Channel 39



Date: 26.MAR.2024 23:08:05

2LE_Channel 39