

Appendix A

Report No.:	CISRR240123129
Product Name:	Bluetooth locator
Model No.:	Chiheng tag
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

Conducted Peak Output Power

Test Result

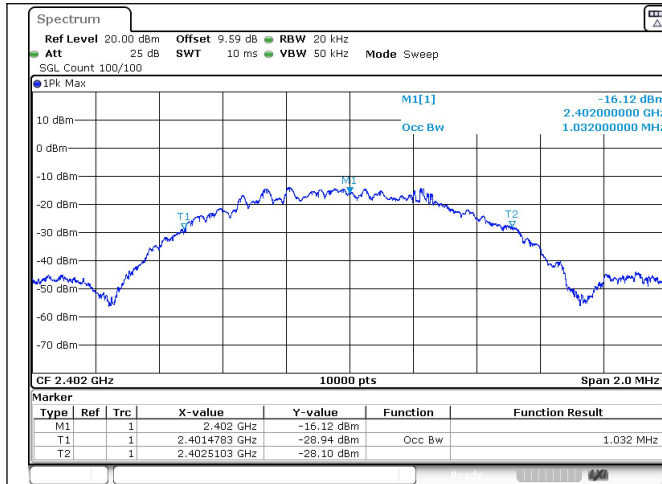
Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
LE	0	-2.862	0.52	30	PASS
	19	-3.037	0.5	30	PASS
	39	-2.944	0.51	30	PASS

99% Bandwidth

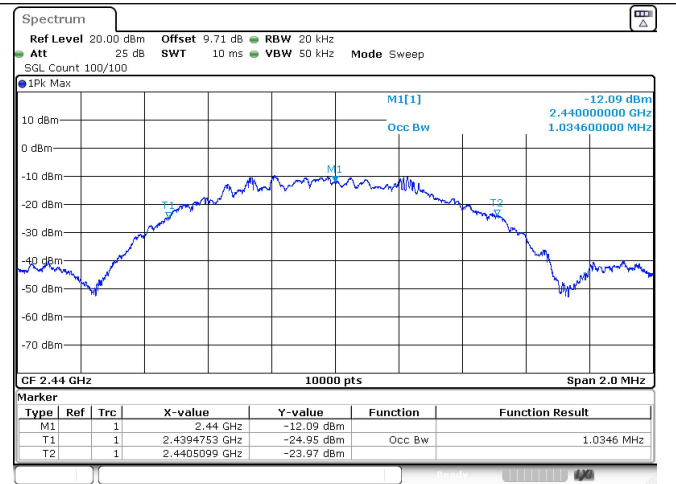
Test Result

Mode	Channel	99% BW (MHz)
LE	0	1.0320
LE	19	1.0350
LE	39	1.0320

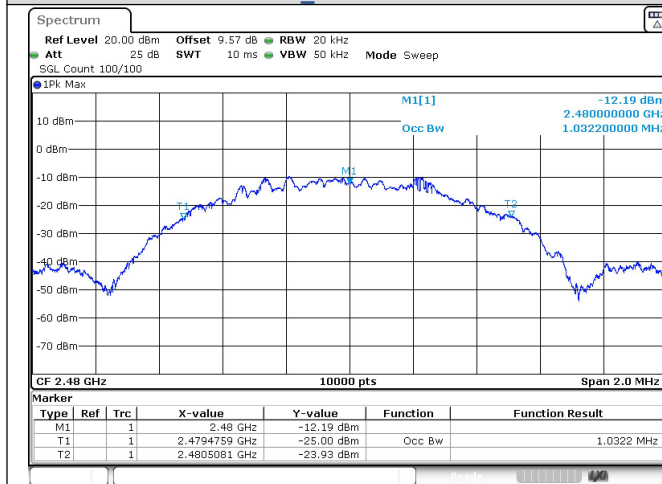
Test Graphs



LE_Channel 0



LE_Channel 19



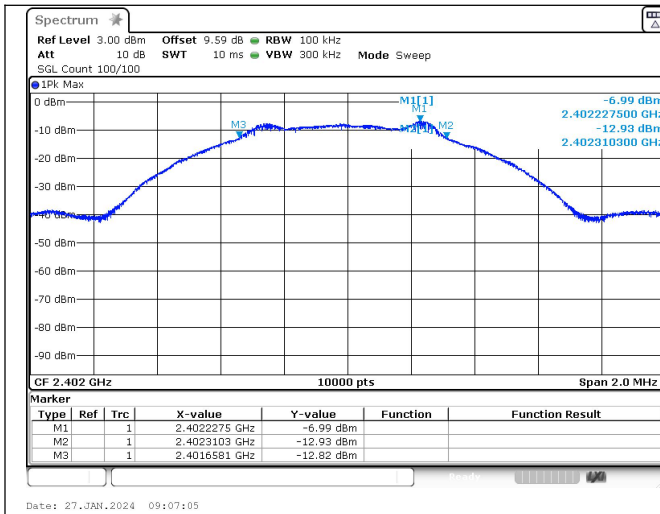
LE_Channel 39

6dB Bandwidth

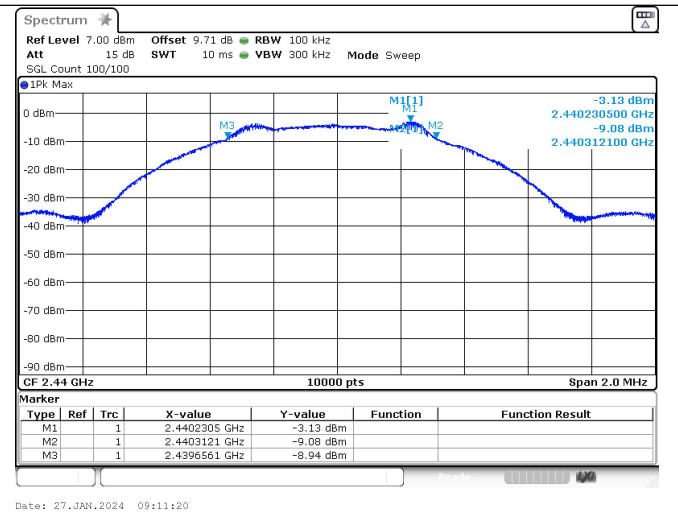
Test Result

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

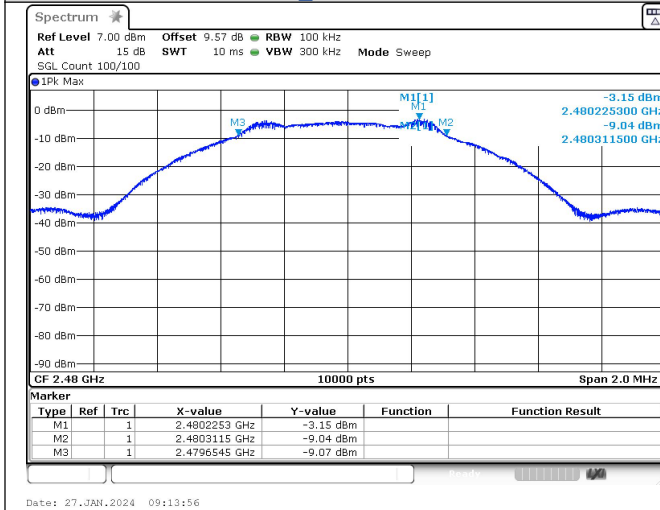
Test Graphs



LE_Channel 0



LE_Channel 19



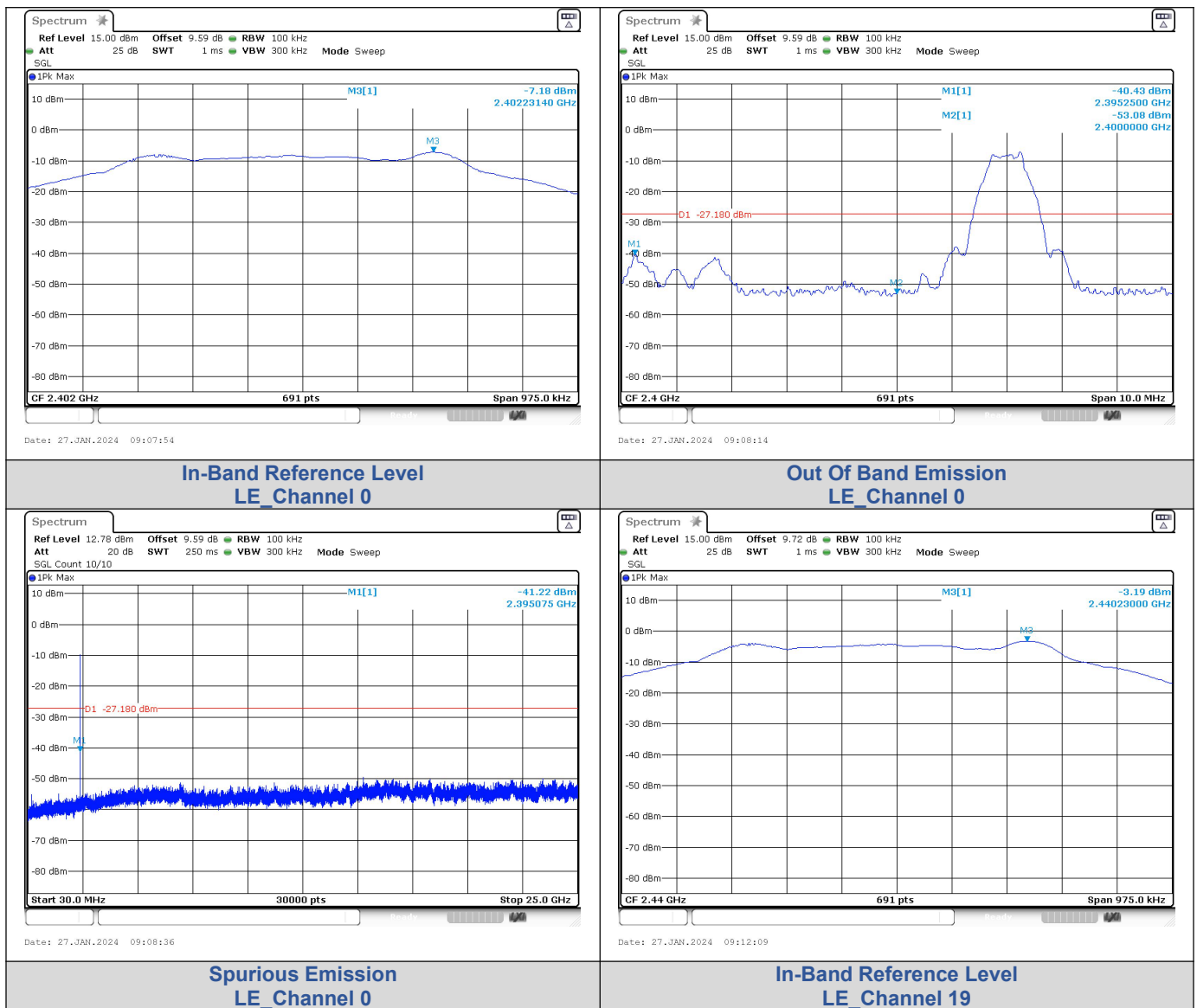
LE_Channel 39

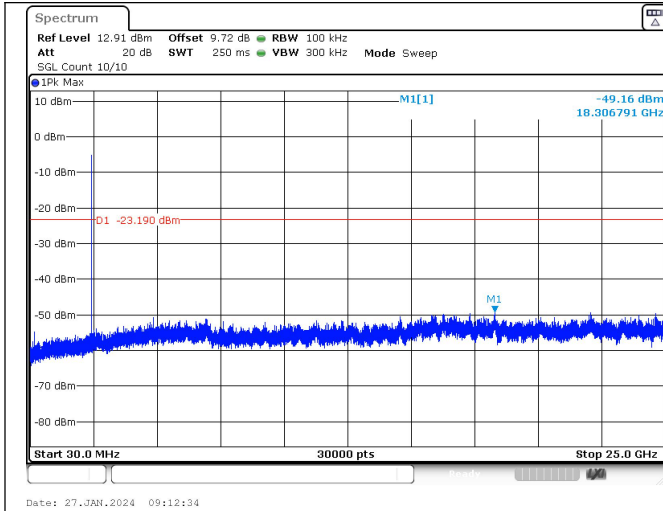
Conducted Out Of Band Emission

Test Result

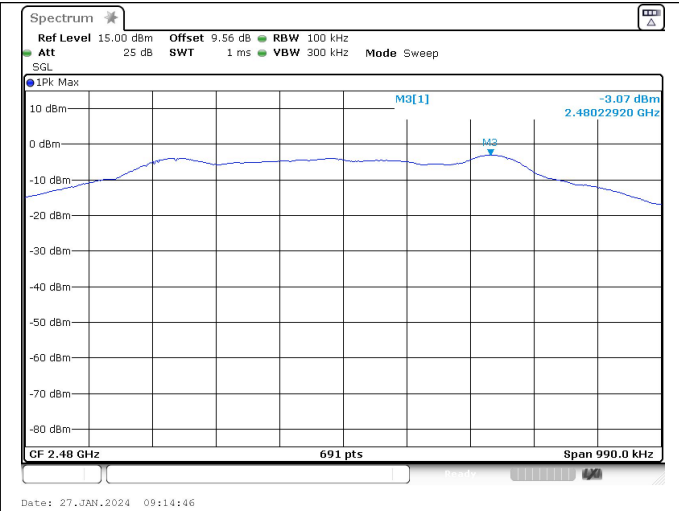
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
LE	0	2400.00	-53.081	-27.18	-25.901	PASS
		2395.25	-40.427	-27.18	-13.247	PASS
		2395.10	-41.221	-27.18	-14.041	PASS
	19	18306.8	-49.162	-23.19	-25.972	PASS
	39	2483.50	-51.470	-23.07	-28.400	PASS
		18249.4	-49.646	-23.07	-26.576	PASS

Test Graphs

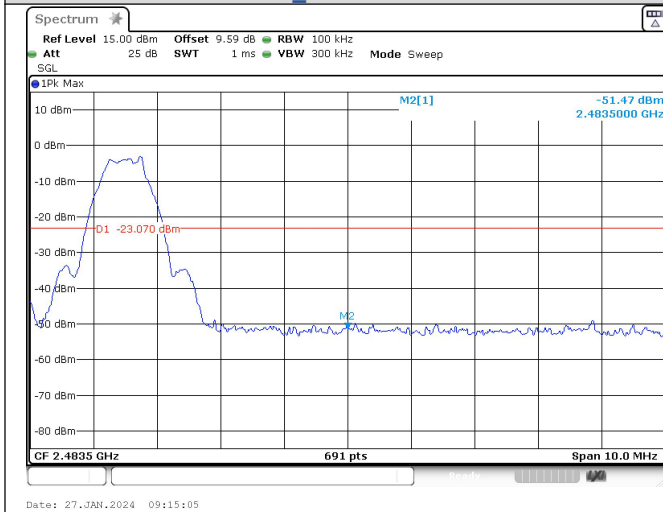




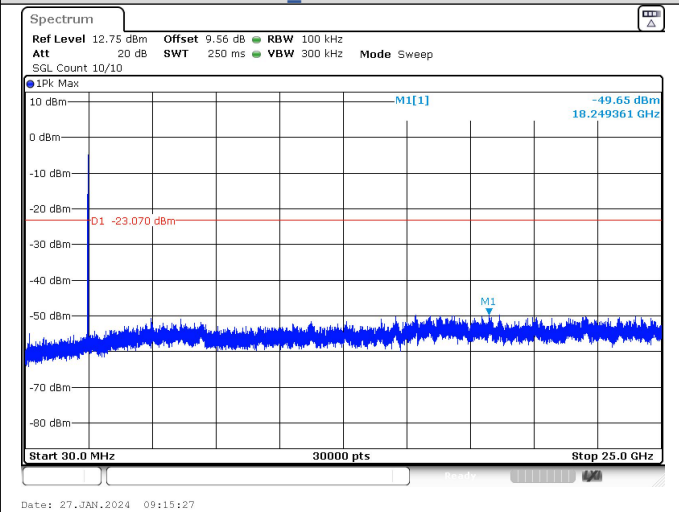
**Spurious Emissions
LE_Channel 19**



**In-Band Reference Level
LE_Channel 39**



**Out Of Band Emission
LE_Channel 39**



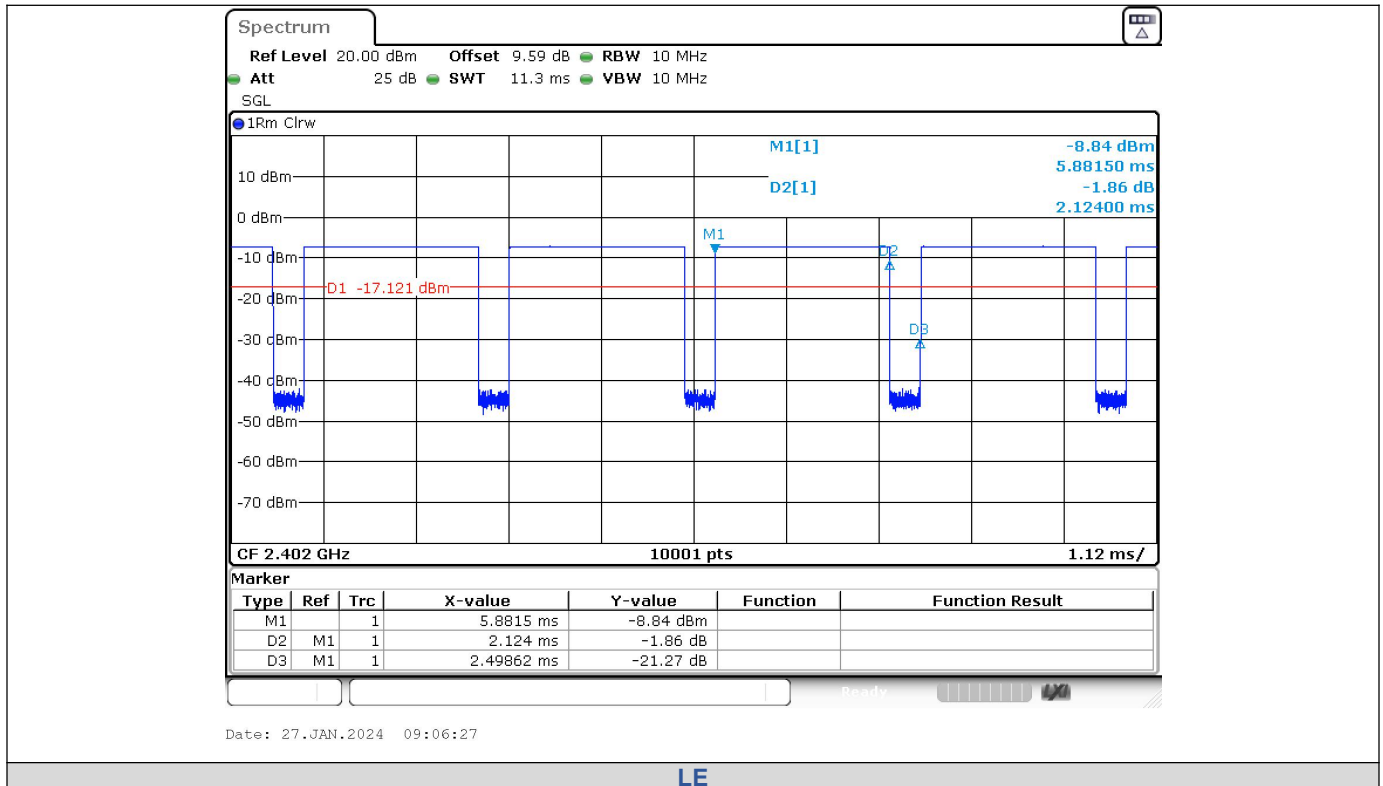
**Spurious Emission
LE_Channel 39**

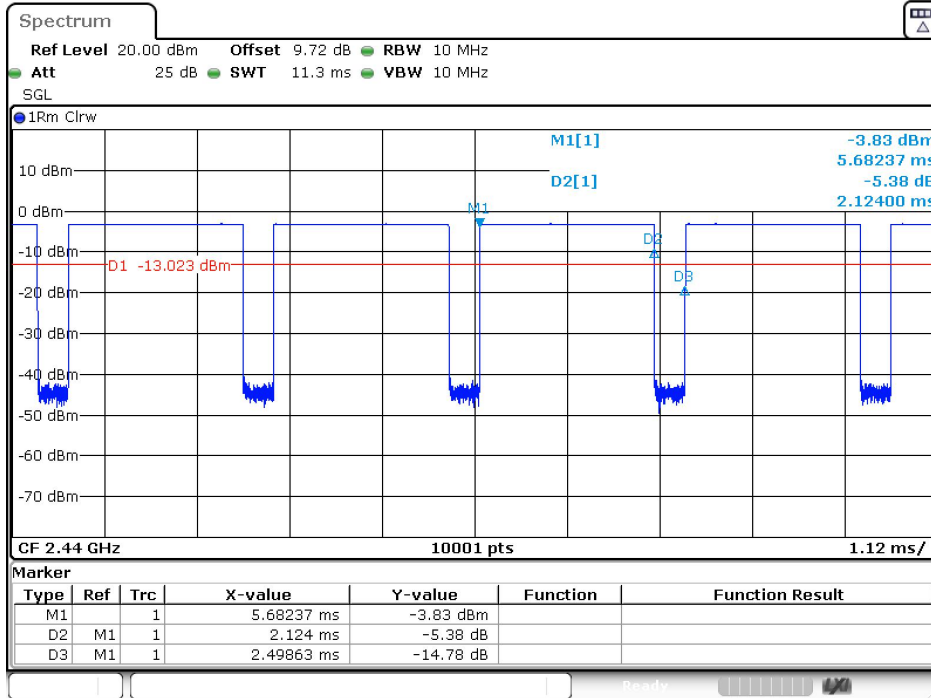
Duty Cycle

Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
LE	0	2.124	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

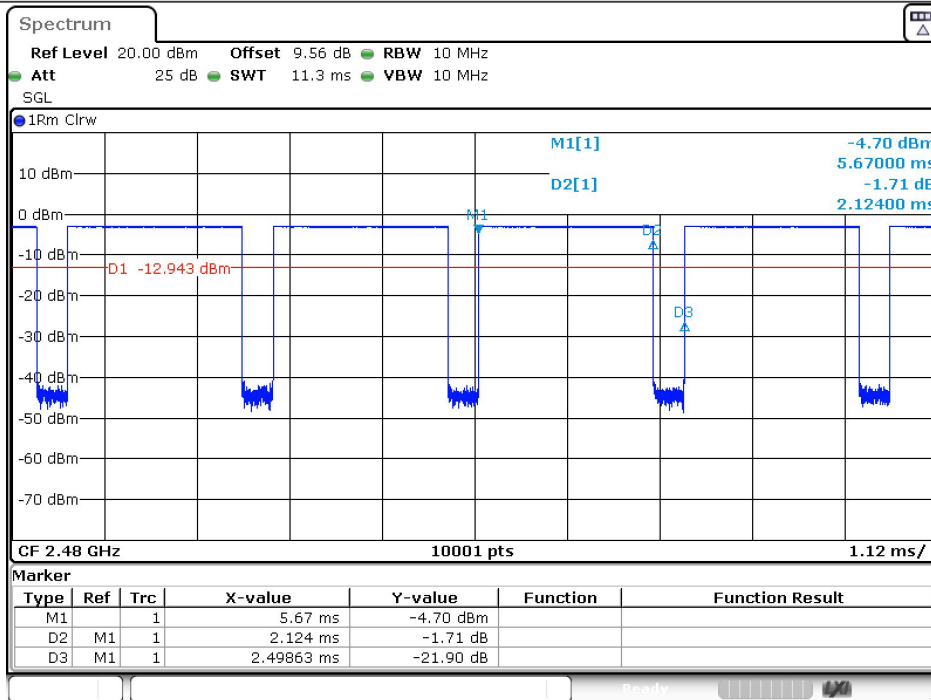
Test Graphs





Date: 27.JAN.2024 09:10:43

LE



Date: 27.JAN.2024 09:13:19

LE

Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
LE	0	-23.482	8	PASS
LE	19	-19.499	8	PASS
LE	39	-19.459	8	PASS

Test Graphs

