

Appendix A

Report No.:	CISRR240507009
FCC ID:	2BF9V-T03
Product Name:	TWS
Model No.:	T03
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

1) Conducted Peak Output Power

Test Result

Left

Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
GFSK	LE	0	-3.525	0.44	30	PASS
		19	-5.254	0.3		PASS
		39	-3.435	0.45		PASS

Right

Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
GFSK	LE	0	-3.525	0.44	30	PASS
		19	-5.251	0.3		PASS
		39	-4.126	0.39		PASS

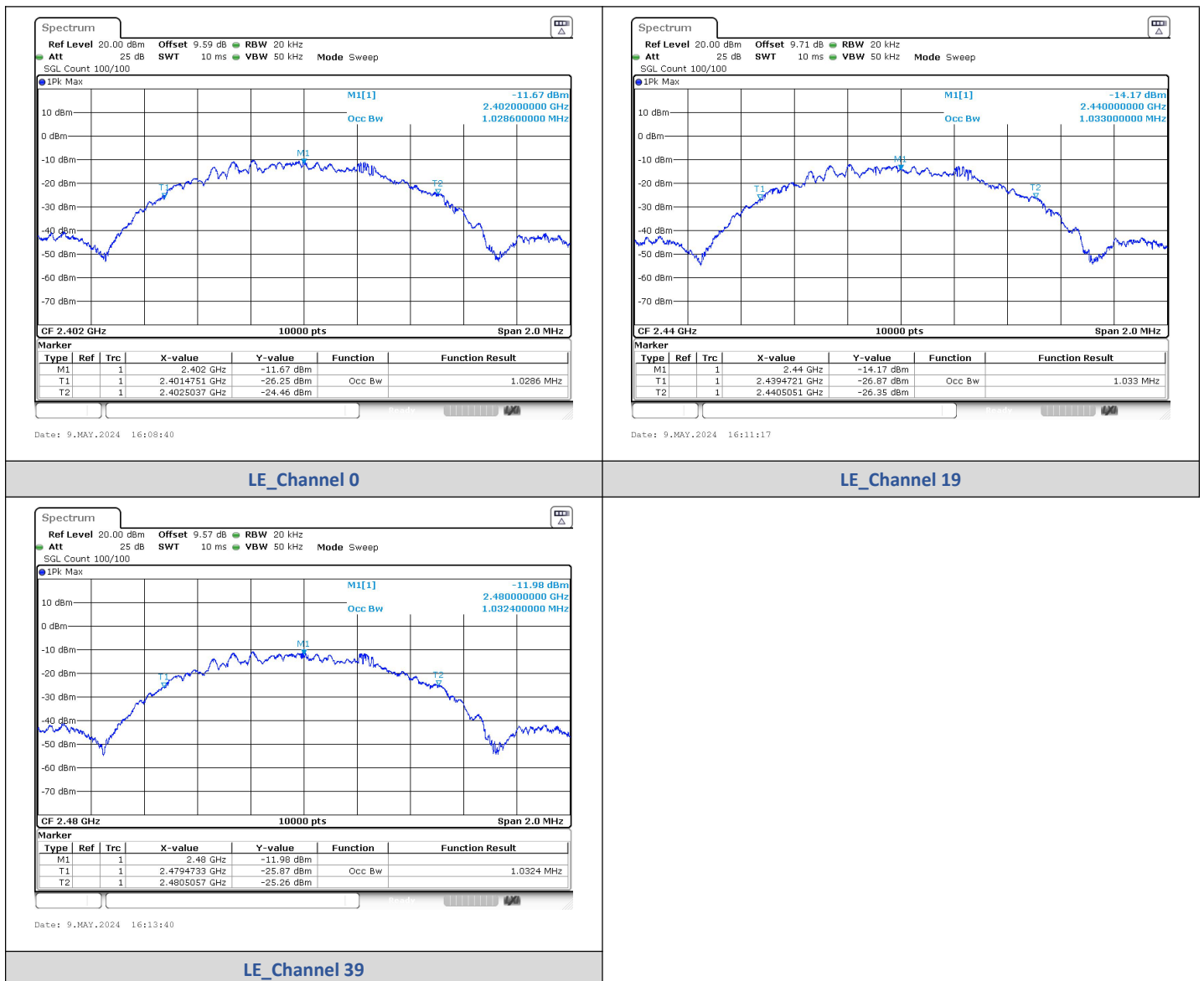
2) 99% Bandwidth

Test Result

Left

Mode	Channel	99% BW (MHz)
LE	0	1.0290
LE	19	1.0330
LE	39	1.0320

Test Graphs

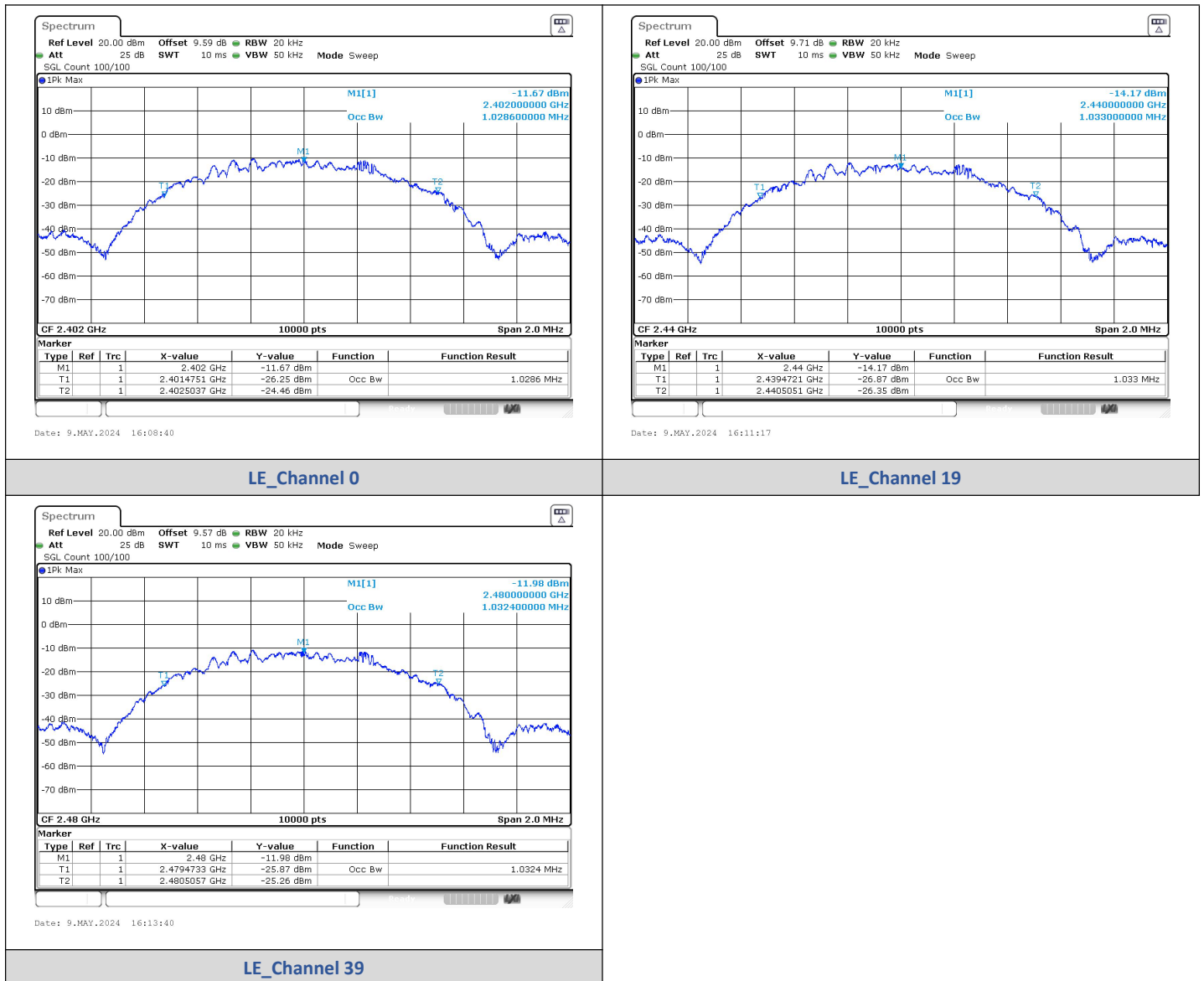


Right

Test Result

Mode	Channel	99% BW (MHz)
LE	0	1.0290
LE	19	1.0330
LE	39	1.0320

Test Graphs



3) 6dB Bandwidth

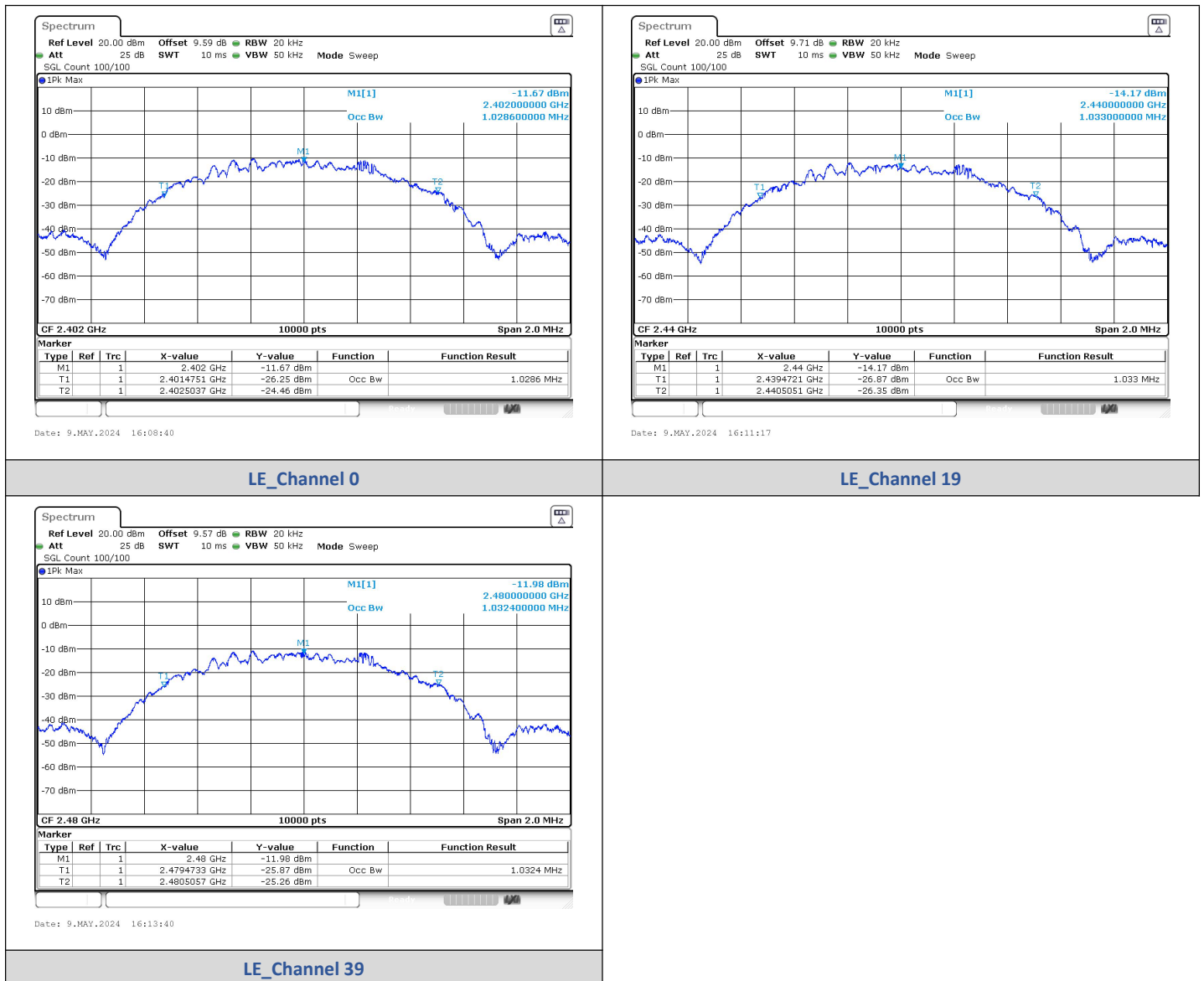
Test Result

Left

Test Result

Mode	Channel	99% BW (MHz)
LE	0	1.0290
LE	19	1.0330
LE	39	1.0320

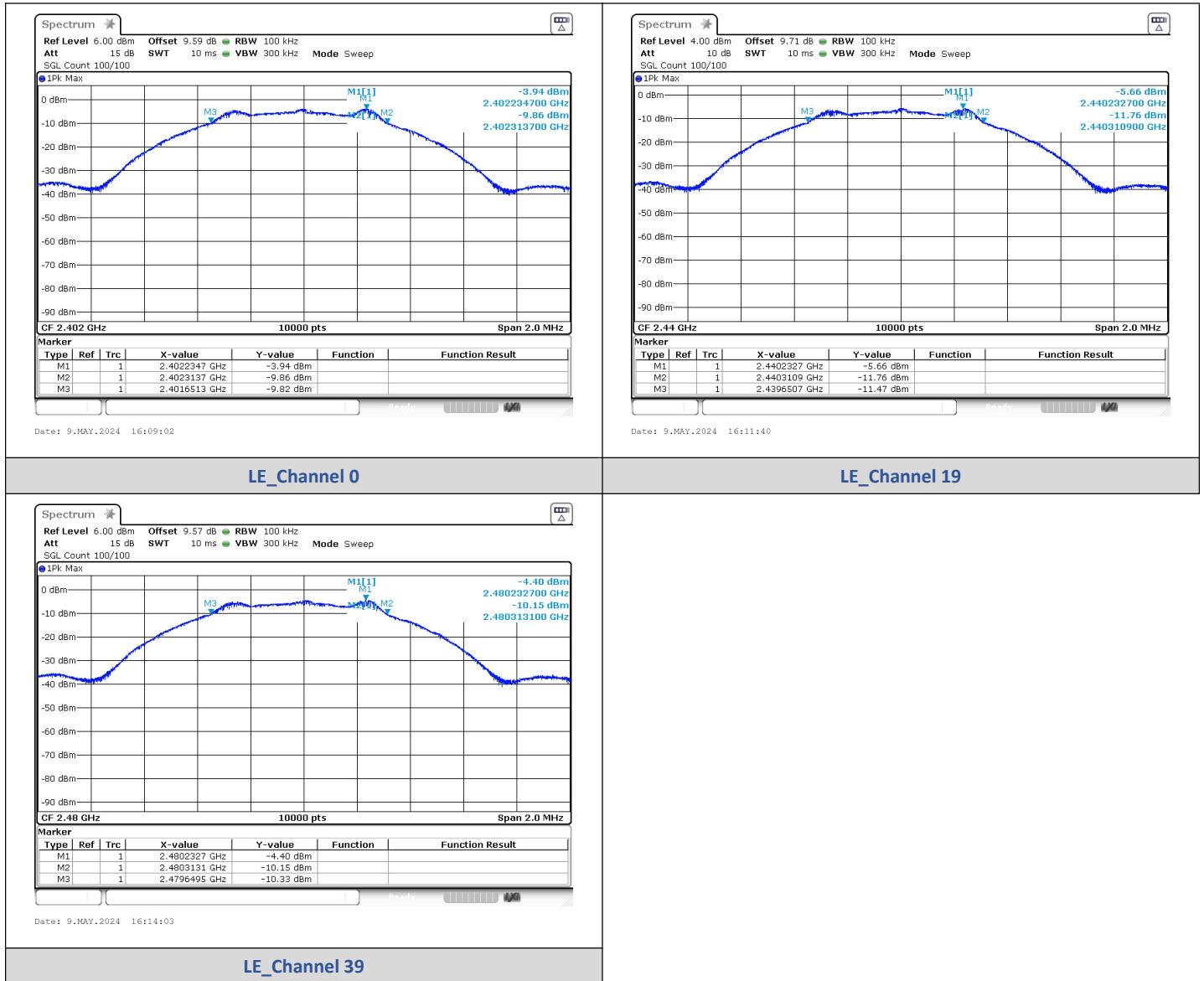
Test Graphs



Right

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

Test Graphs



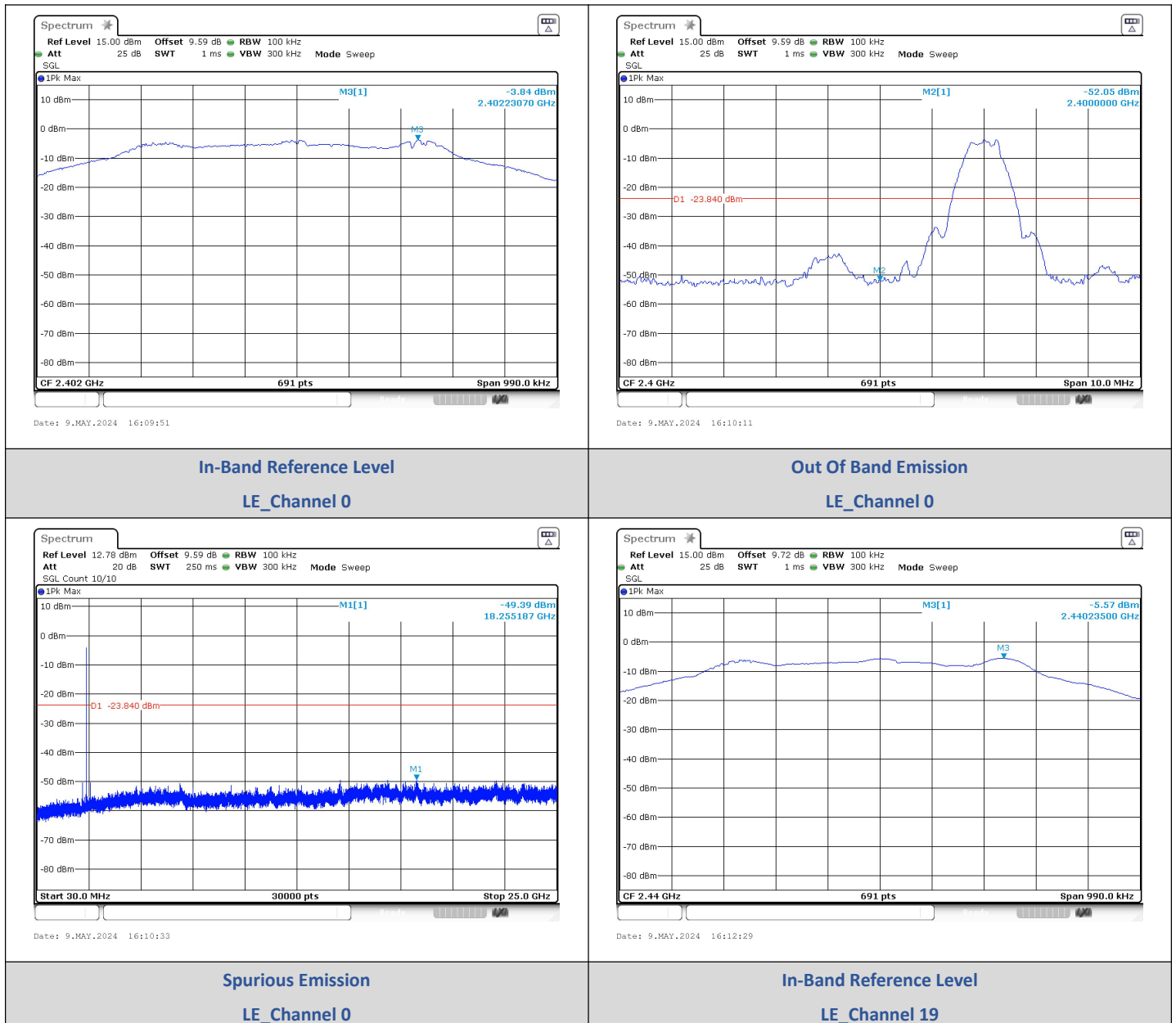
4) Conducted Out Of Band Emission

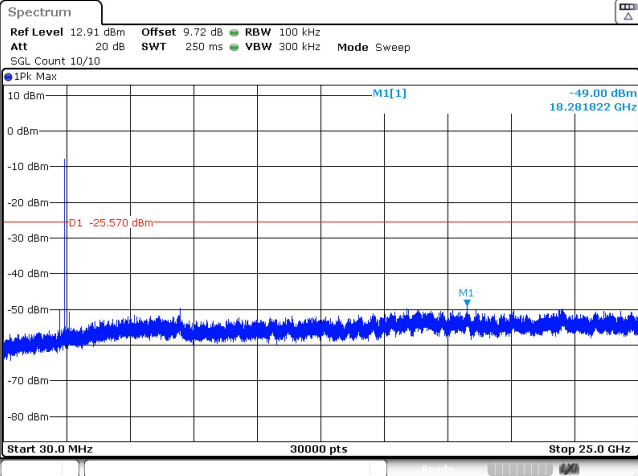
Test Result

Left

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
LE	0	2400.00	-52.051	-23.84	-28.211	PASS
		2399.00	-43.484	-23.84	-19.644	PASS
		18255.2	-49.394	-23.84	-25.554	PASS
	19	18281.8	-48.997	-25.57	-23.427	PASS
	39	2483.50	-50.881	-24.41	-26.471	PASS
		2287.70	-48.204	-24.41	-23.794	PASS

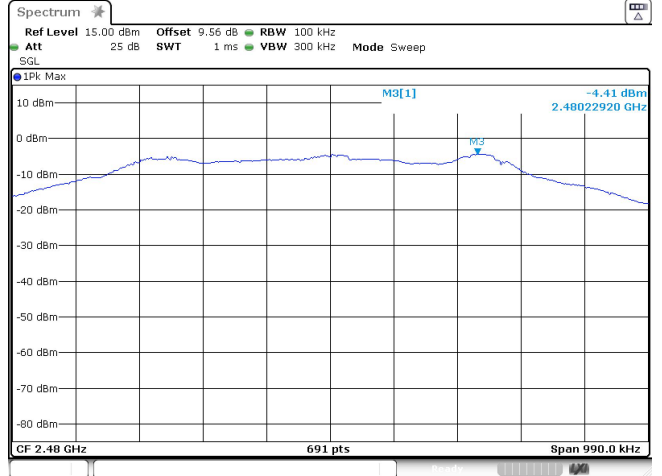
Test Graphs





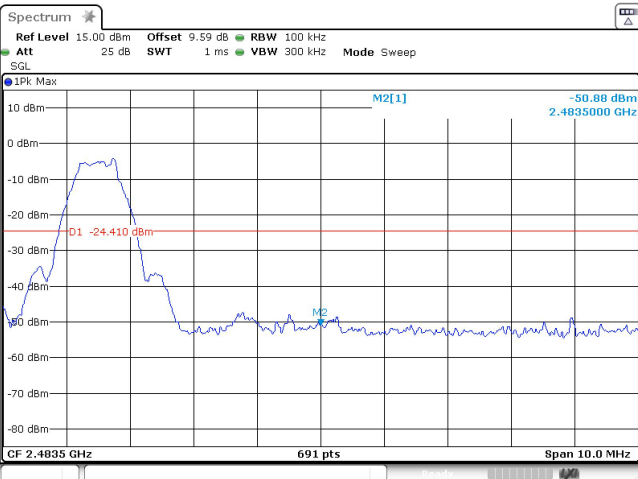
Date: 9.MAY.2024 16:12:53

Spurious Emissions
LE_Channel 19



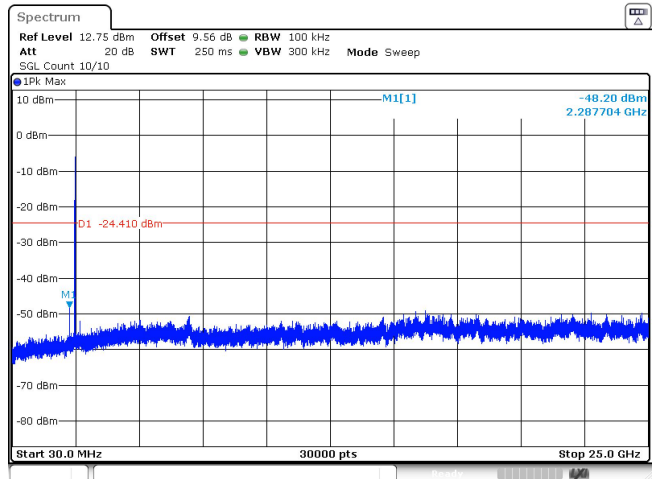
Date: 9.MAY.2024 16:14:52

In-Band Reference Level
LE_Channel 39



Date: 9.MAY.2024 16:15:11

Out Of Band Emission
LE_Channel 39



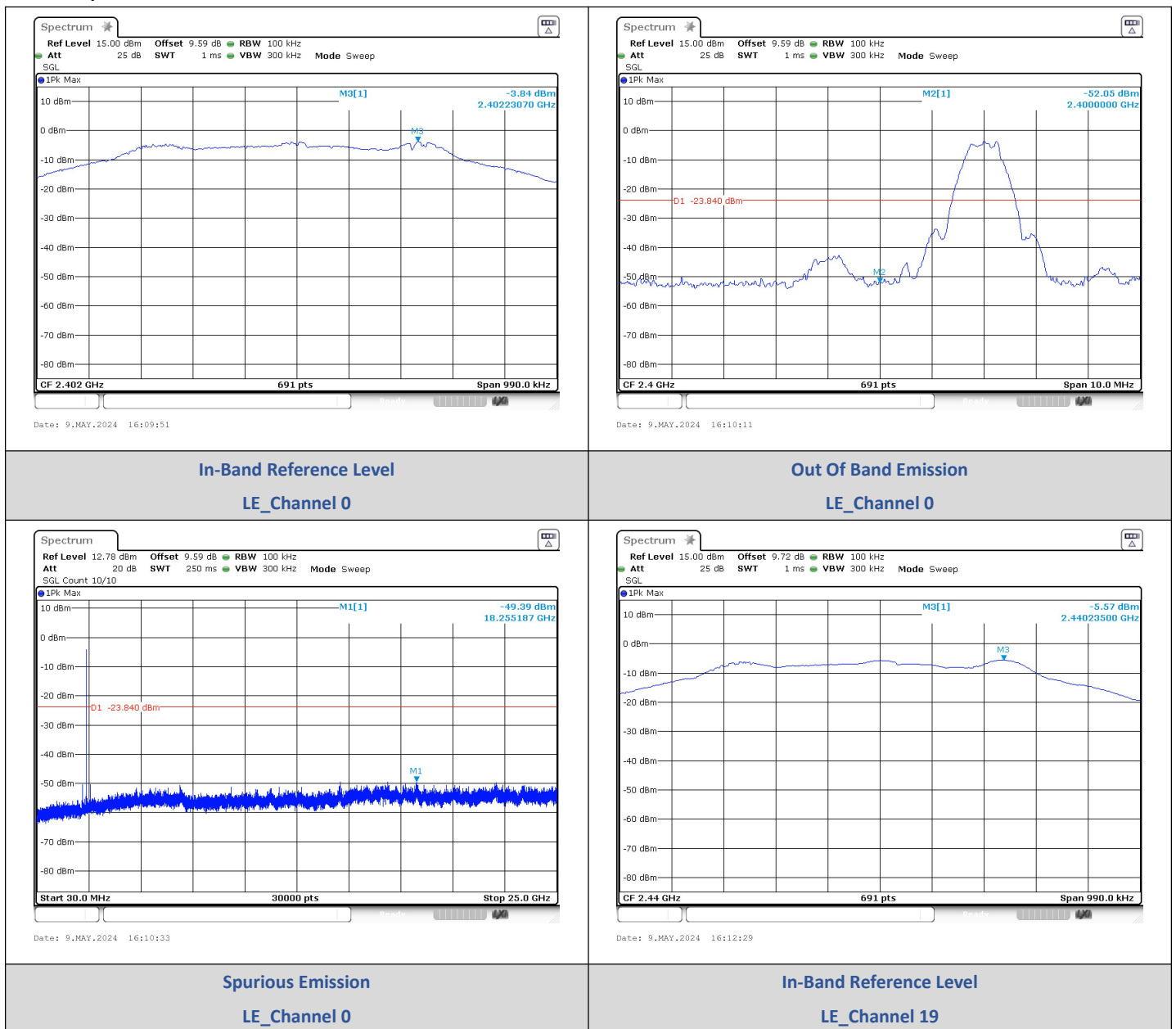
Date: 9.MAY.2024 16:15:33

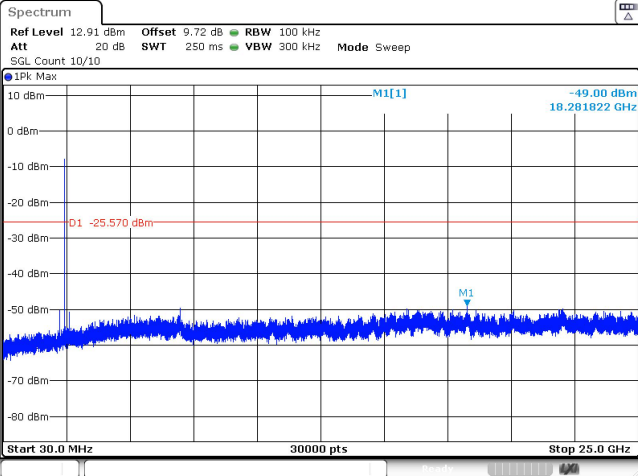
Spurious Emission
LE_Channel 39

Right

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
LE	0	2400.00	-52.051	-23.84	-28.211	PASS
		2399.00	-43.484	-23.84	-19.644	PASS
		18255.2	-49.394	-23.84	-25.554	PASS
	19	18281.8	-48.997	-25.57	-23.427	PASS
	39	2483.50	-50.881	-24.41	-26.471	PASS
		2287.70	-48.204	-24.41	-23.794	PASS

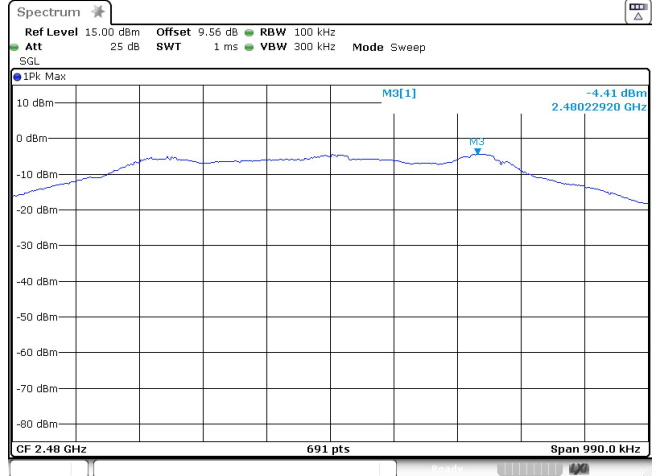
Test Graphs





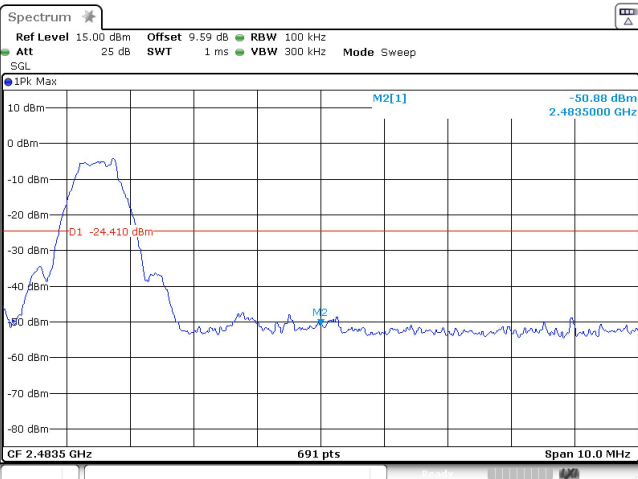
Date: 9.MAY.2024 16:12:53

Spurious Emissions
LE_Channel 19



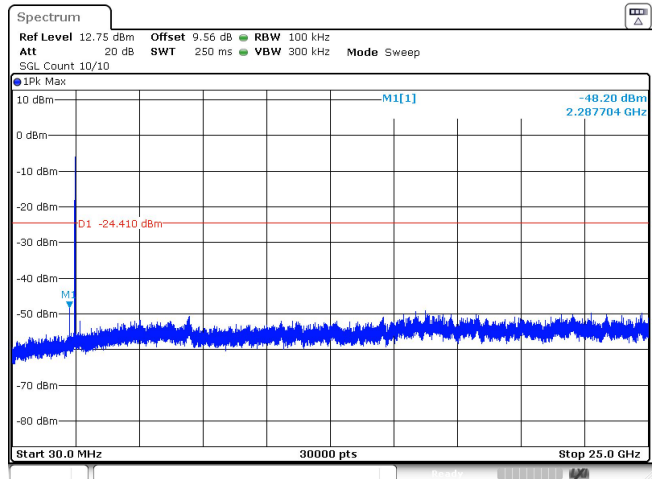
Date: 9.MAY.2024 16:14:52

In-Band Reference Level
LE_Channel 39



Date: 9.MAY.2024 16:15:11

Out Of Band Emission
LE_Channel 39



Date: 9.MAY.2024 16:15:33

Spurious Emission
LE_Channel 39

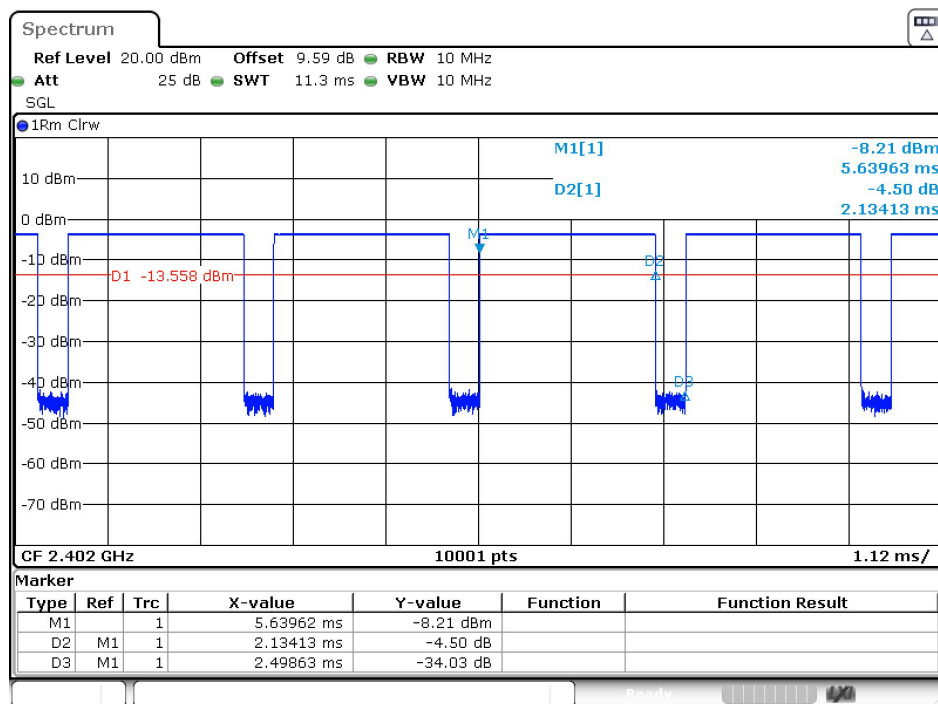
5) Duty Cycle

Test Result

Left

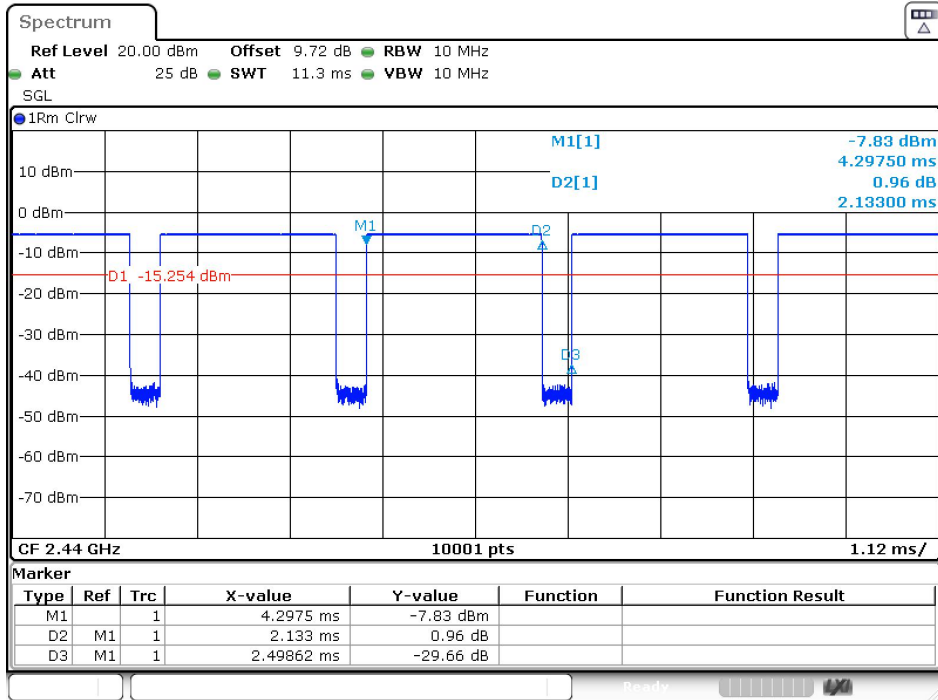
Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
LE	0	2.134	2.499	85.41	0.8541	0.6849	0.47
	19	2.133	2.499	85.37	0.8537	0.6869	0.47
	39	2.134	2.500	85.37	0.8537	0.6869	0.47

Test Graphs



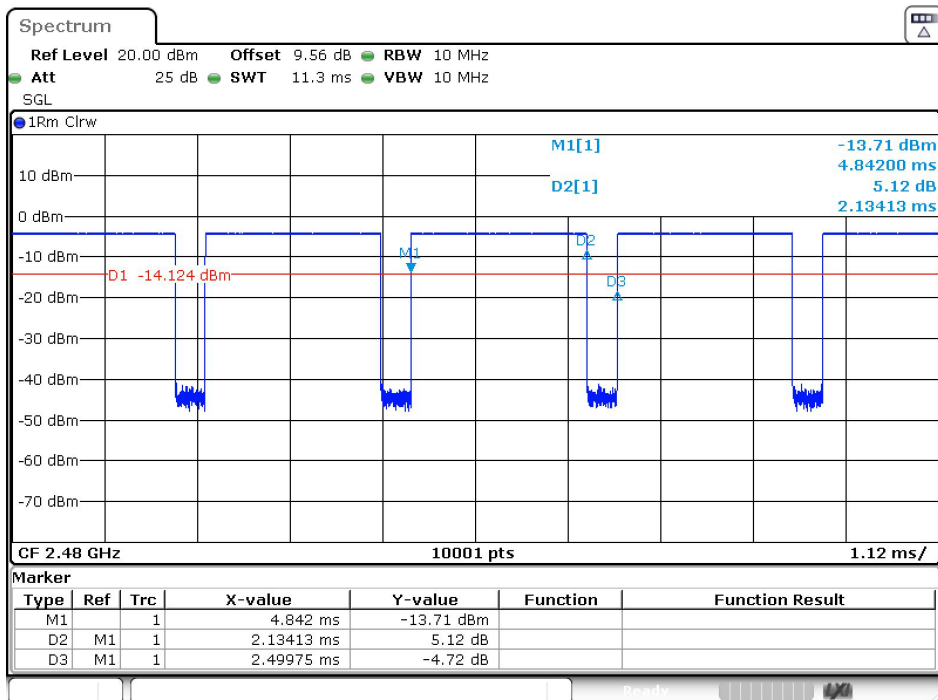
Date: 9.MAY.2024 16:08:25

LE



Date: 9.MAY.2024 16:11:03

LE



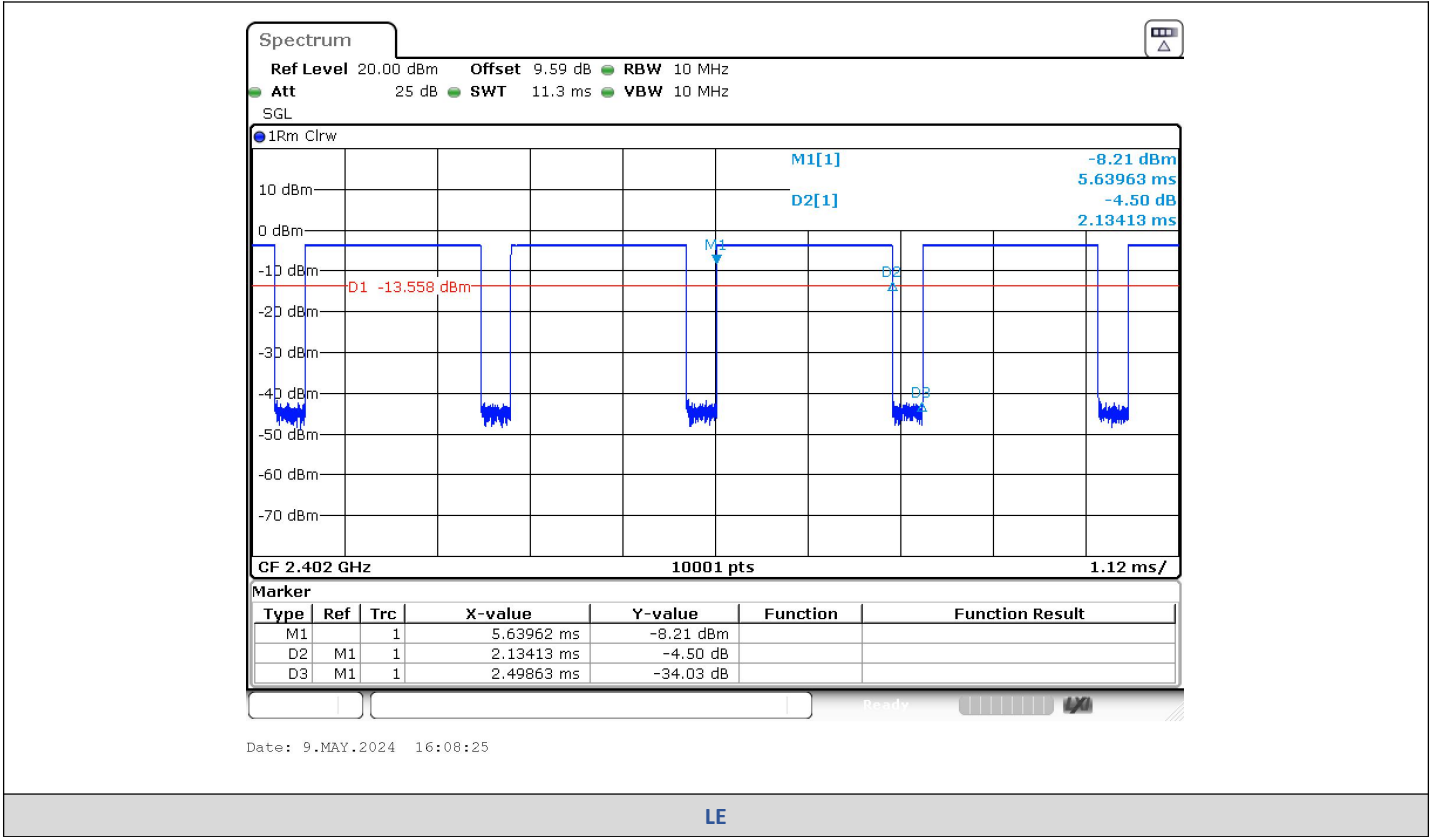
Date: 9.MAY.2024 16:13:26

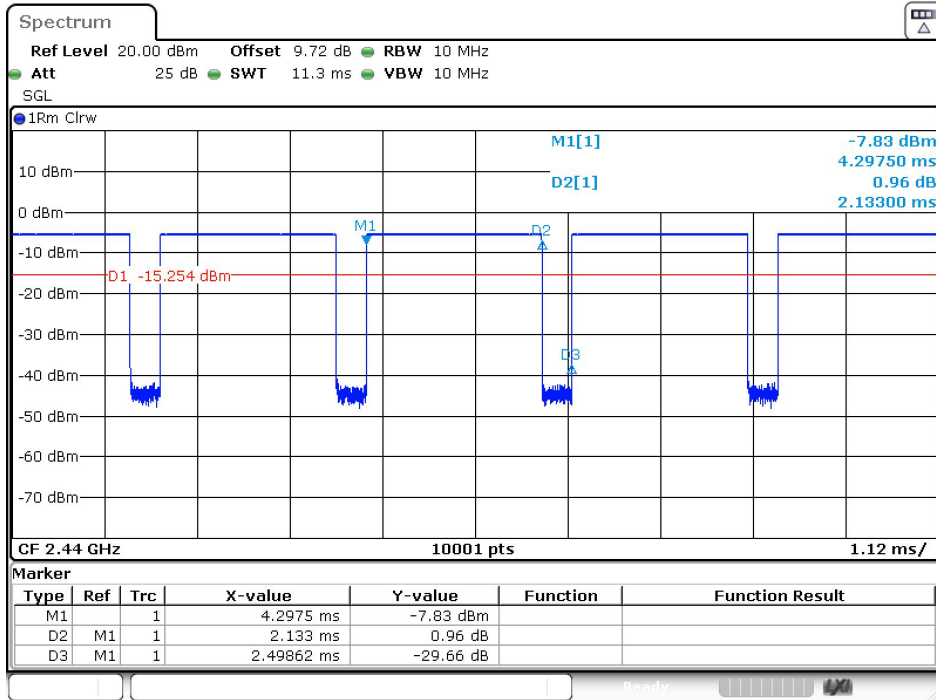
LE

Right

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	2.133	2.499	85.37	0.8537	0.6869	0.47
	39	2.134	2.500	85.37	0.8537	0.6869	0.47

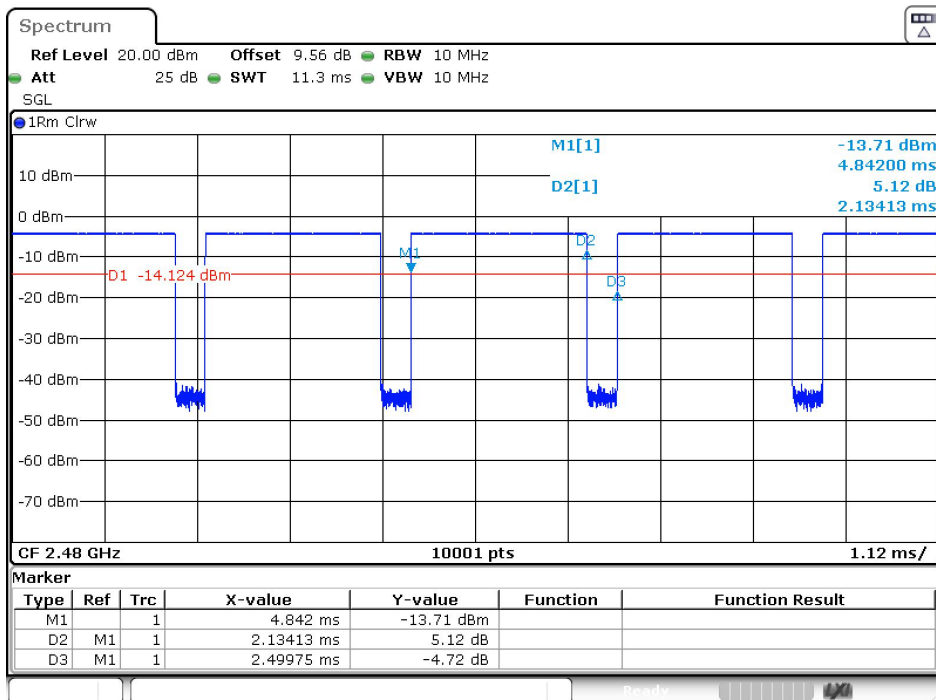
Test Graphs





Date: 9.MAY.2024 16:11:03

LE



Date: 9.MAY.2024 16:13:26

LE

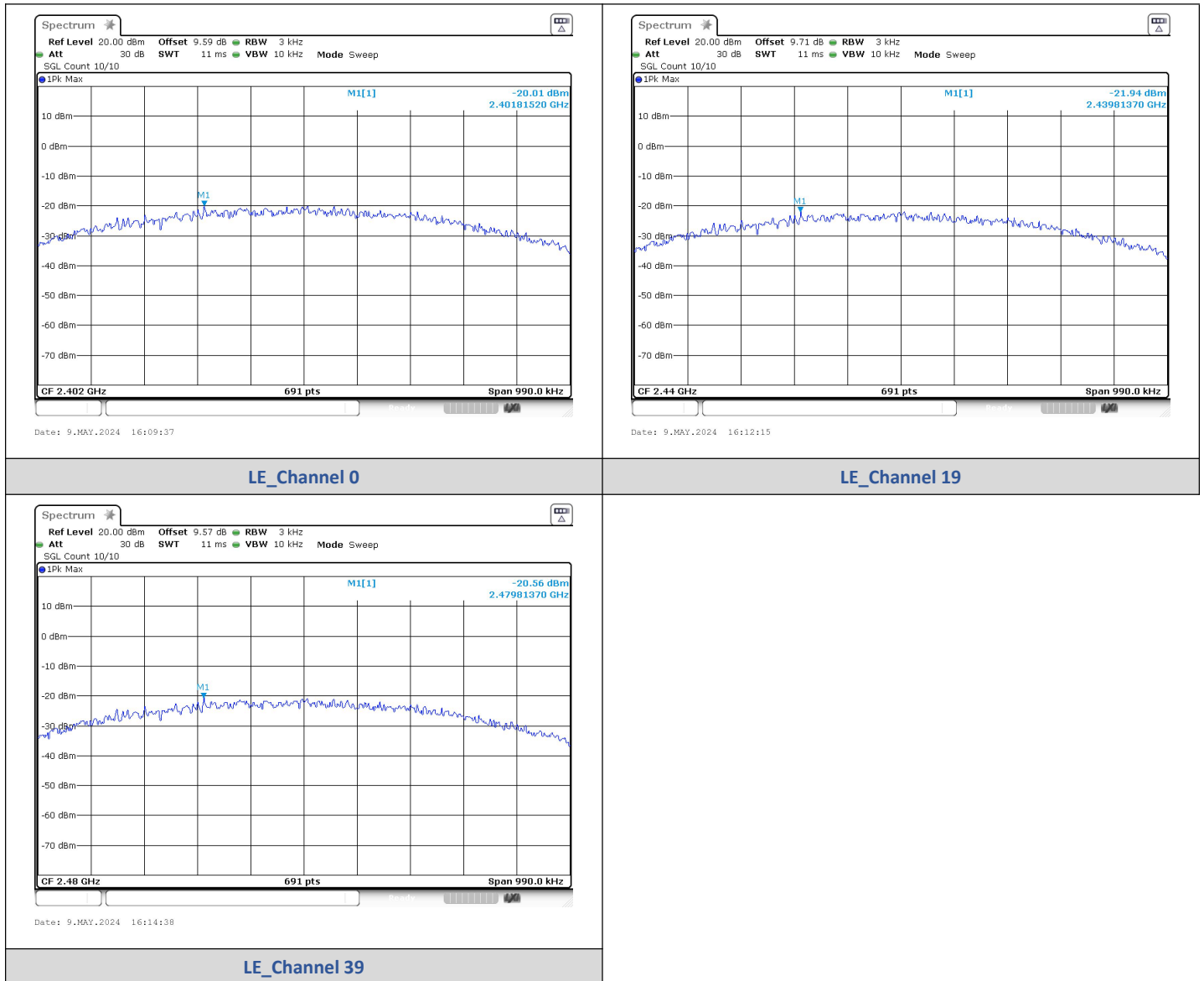
6) Power Spectral Density

Test Result

Left

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
LE	0	-20.010	8	PASS
LE	19	-21.939	8	PASS
LE	39	-20.559	8	PASS

Test Graphs



Right

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
LE	0	-20.010	8	PASS
LE	19	-21.939	8	PASS
LE	39	-20.559	8	PASS

Test Graphs

