

Appendix Report

Project No.: CISR250522094A

Test Engineer: James Wang

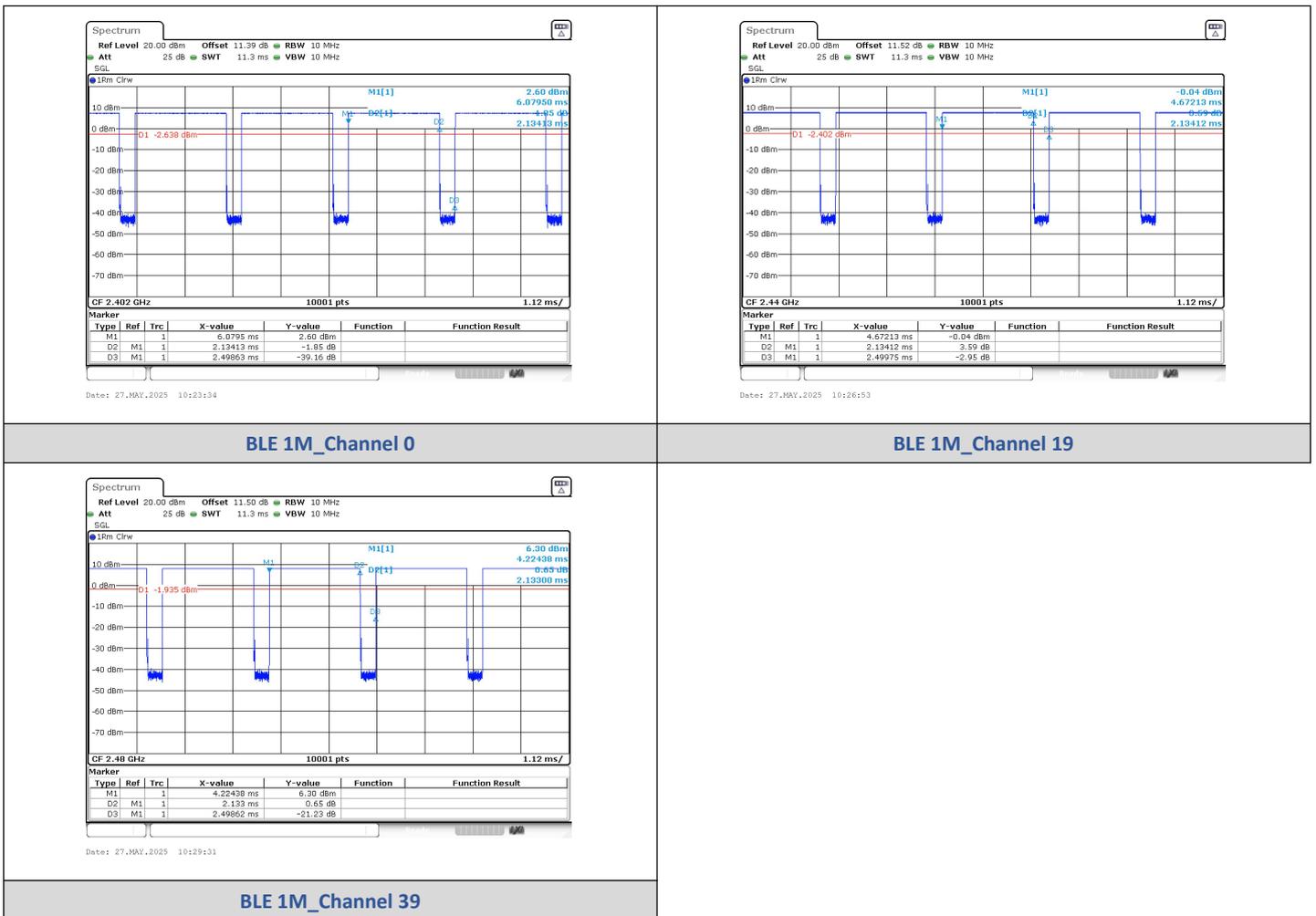
Supervised by: Rory Huang

1) Duty Cycle

Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	2.134	2.499	85.41	0.8541	0.6849	0.4686
	19	2.134	2.500	85.37	0.8537	0.6869	0.4686
	39	2.133	2.499	85.37	0.8537	0.6869	0.4688

Test Graphs

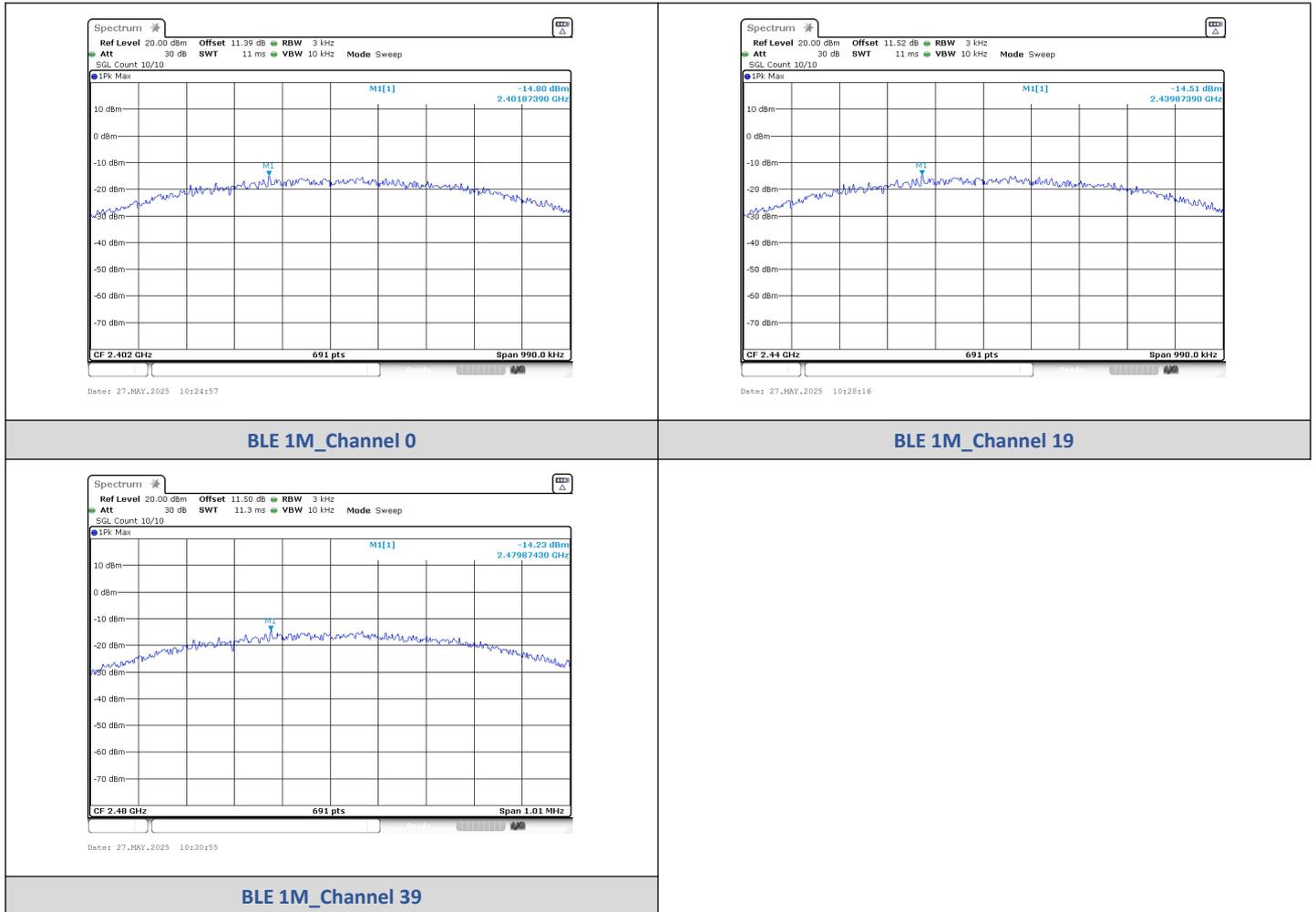


2) Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-14.800	≤8	PASS
BLE 1M	19	-14.510	≤8	PASS
BLE 1M	39	-14.230	≤8	PASS

Test Graphs

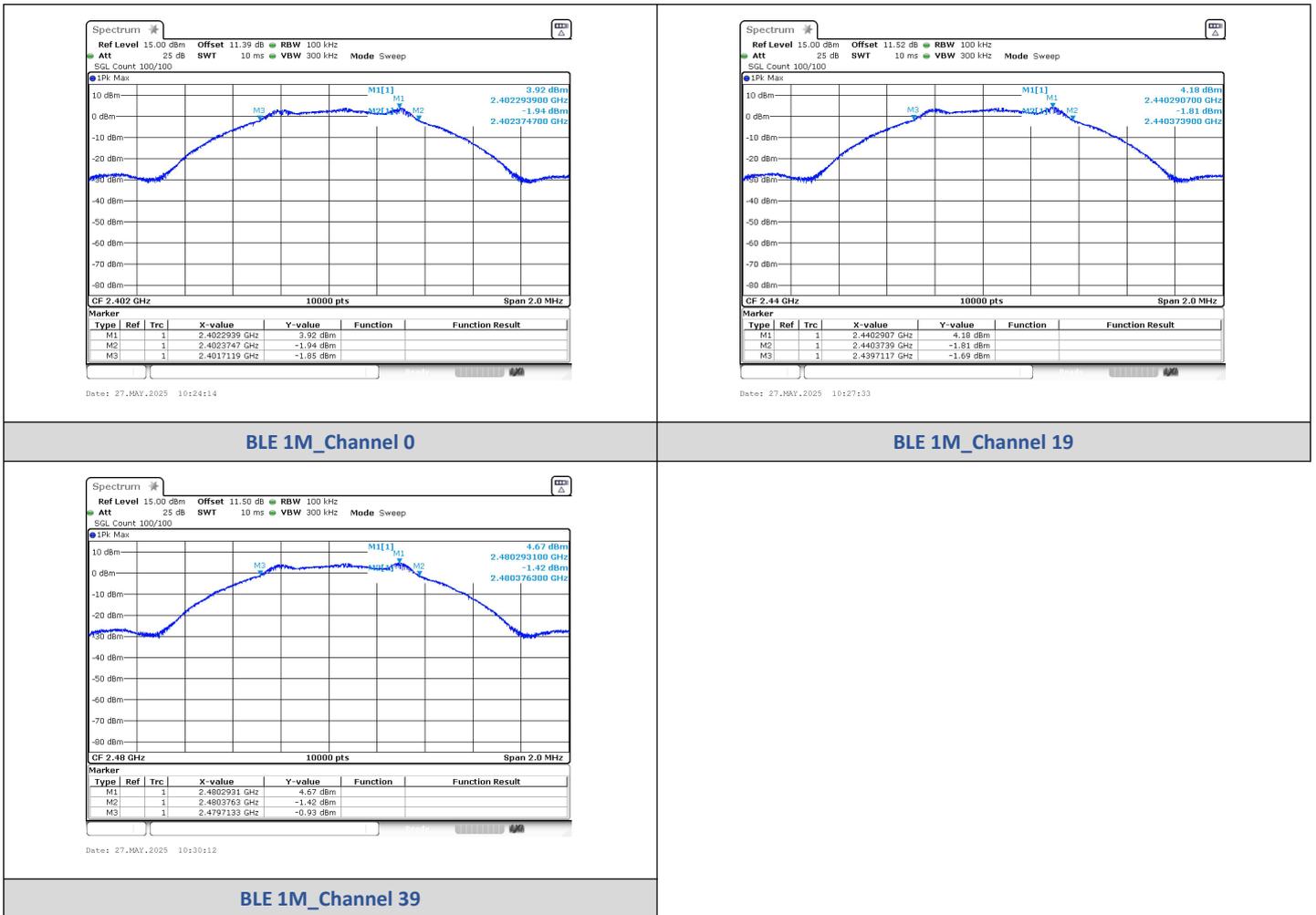


3) 6dB Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6600	≥0.5	PASS
	19	2440	0.6600		PASS
	39	2480	0.6700		PASS

Test Graphs

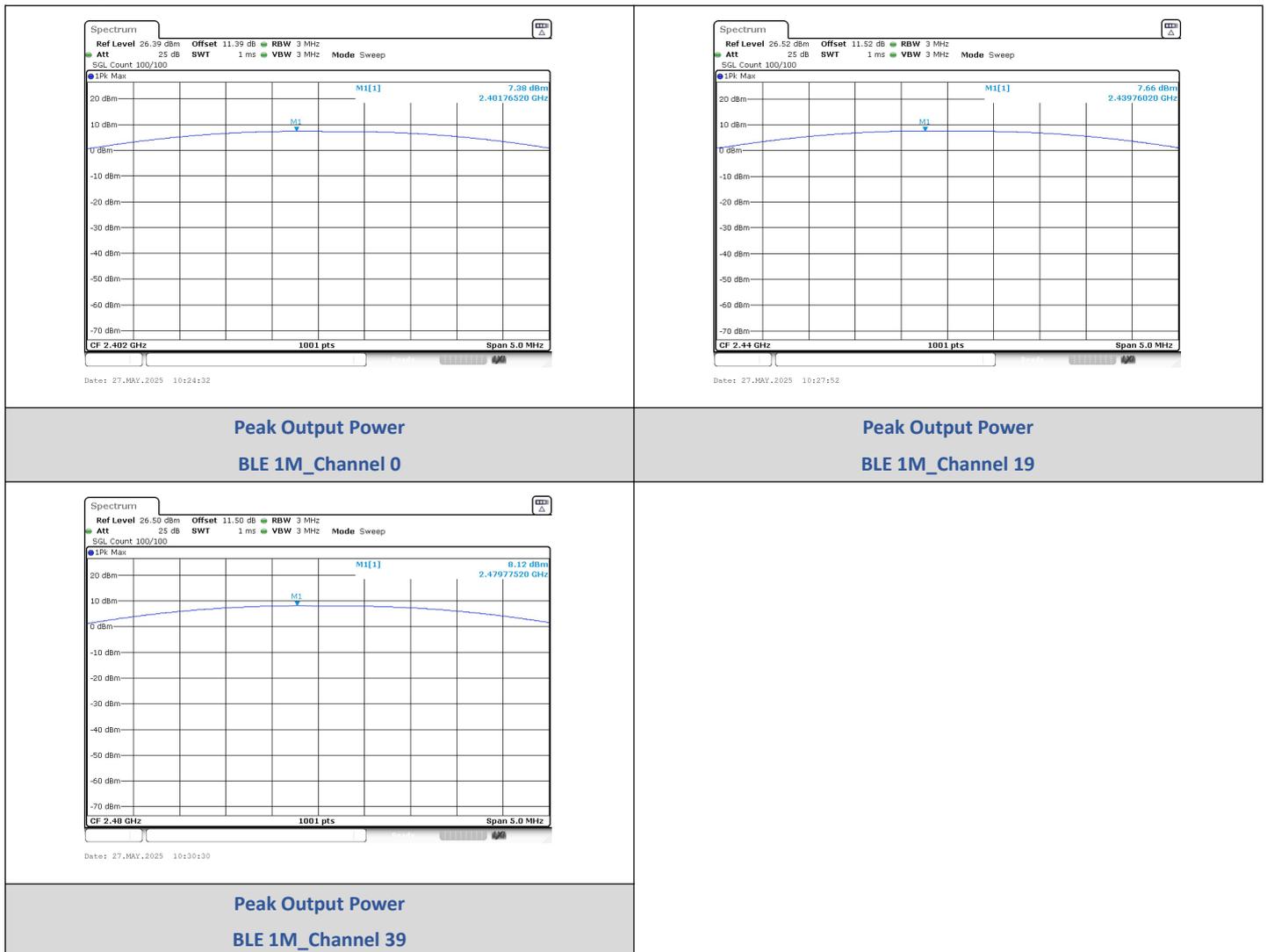


4) Conducted Output Power

Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	7.38	5.47	≤30	PASS
	19	7.66	5.83	≤30	PASS
	39	8.12	6.49	≤30	PASS

Test Graphs

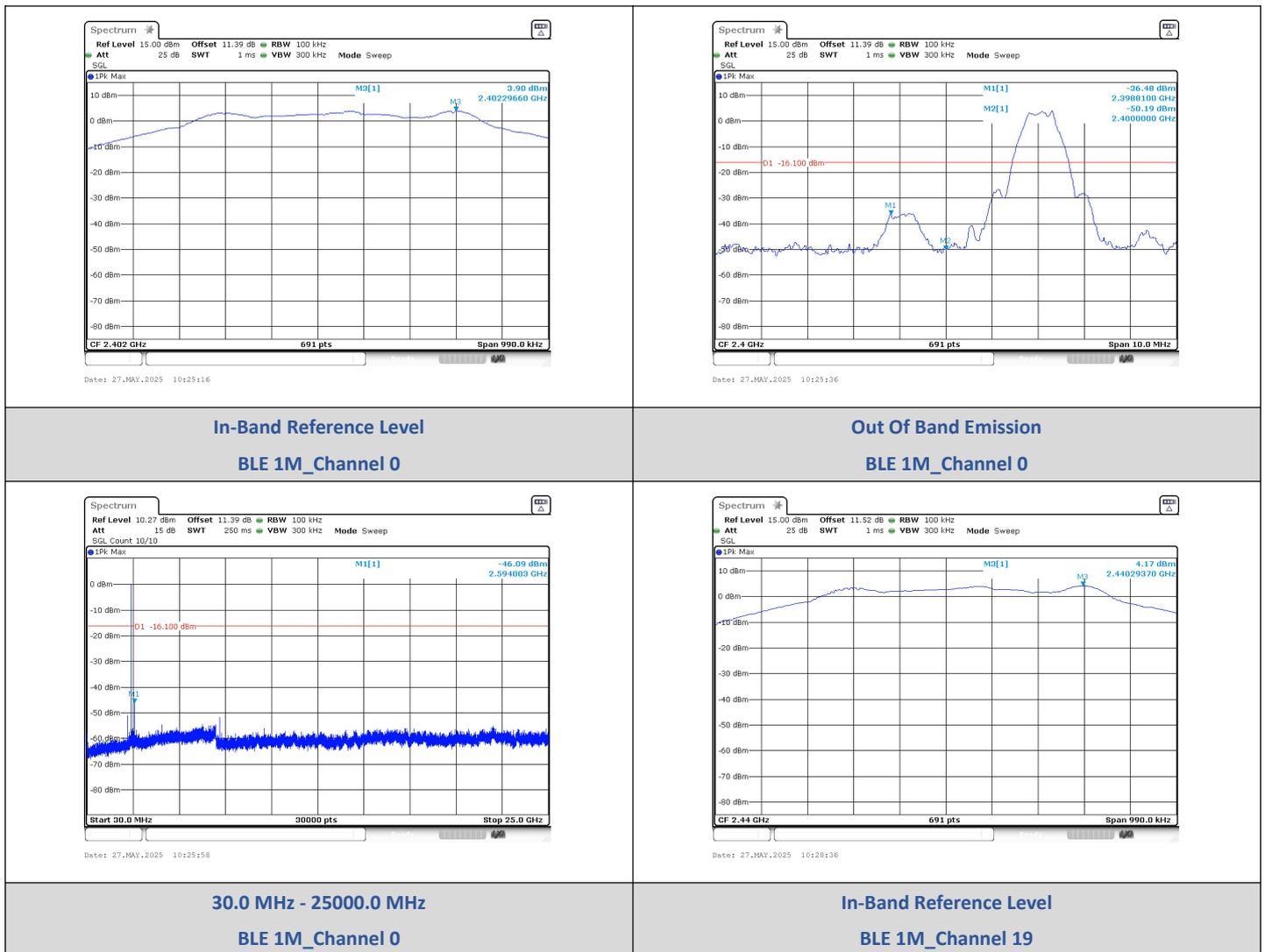


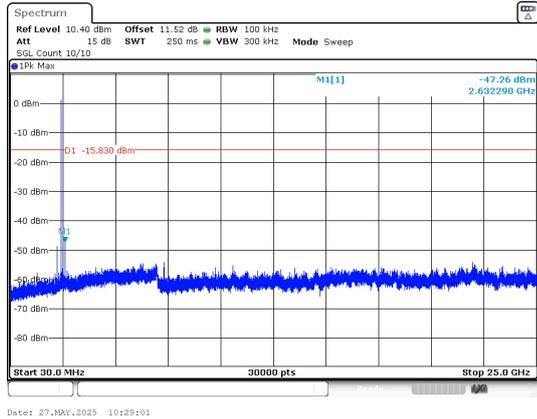
5) Conducted Out Of Band Emission

Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	
BLE 1M	0	2398.81	-36.484	-16.1	-20.384	PASS	
		2400.00	-50.190	-16.1	-34.090	PASS	
		2594.00	-46.094	-16.1	-29.994	PASS	
	19	2632.29	-47.258	-15.83	-31.428	PASS	
		39	2287.70	-47.099	-15.31	-31.789	PASS
			2483.50	-48.020	-15.31	-32.710	PASS

Test Graphs

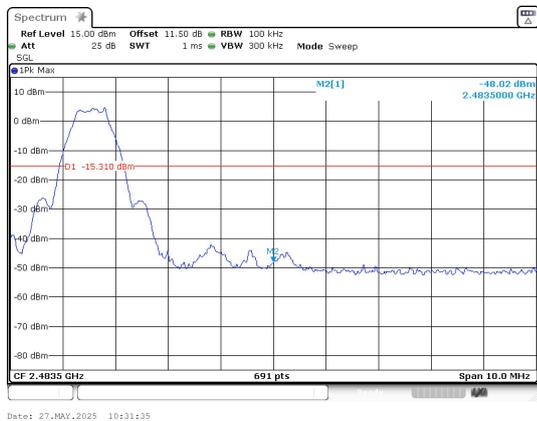




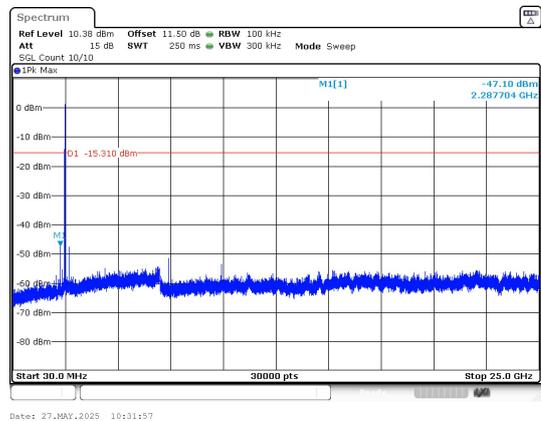
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



In-Band Reference Level
BLE 1M_Channel 39



Out Of Band Emission
BLE 1M_Channel 39



30.0 MHz - 25000.0 MHz
BLE 1M_Channel 39

-----End of the report-----