

Appendix Report

Project No.: CISR250609016A

Test Engineer: James Wang

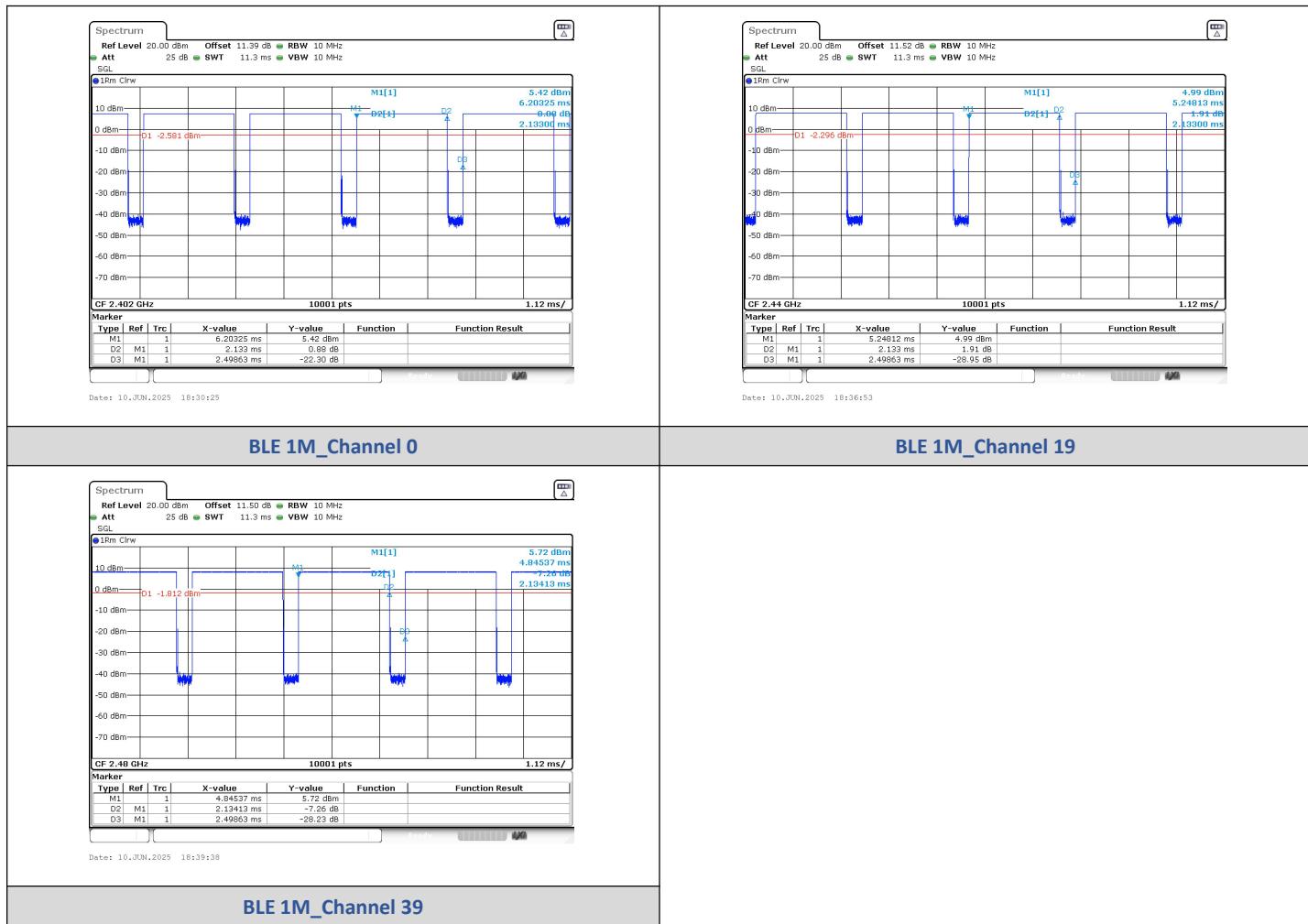
Supervised by: Rory Huang

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	2.133	2.499	85.37	0.8537	0.6869	0.4688
	19	2.133	2.499	85.37	0.8537	0.6869	0.4688
	39	2.134	2.499	85.41	0.8541	0.6849	0.4686

Test Graphs

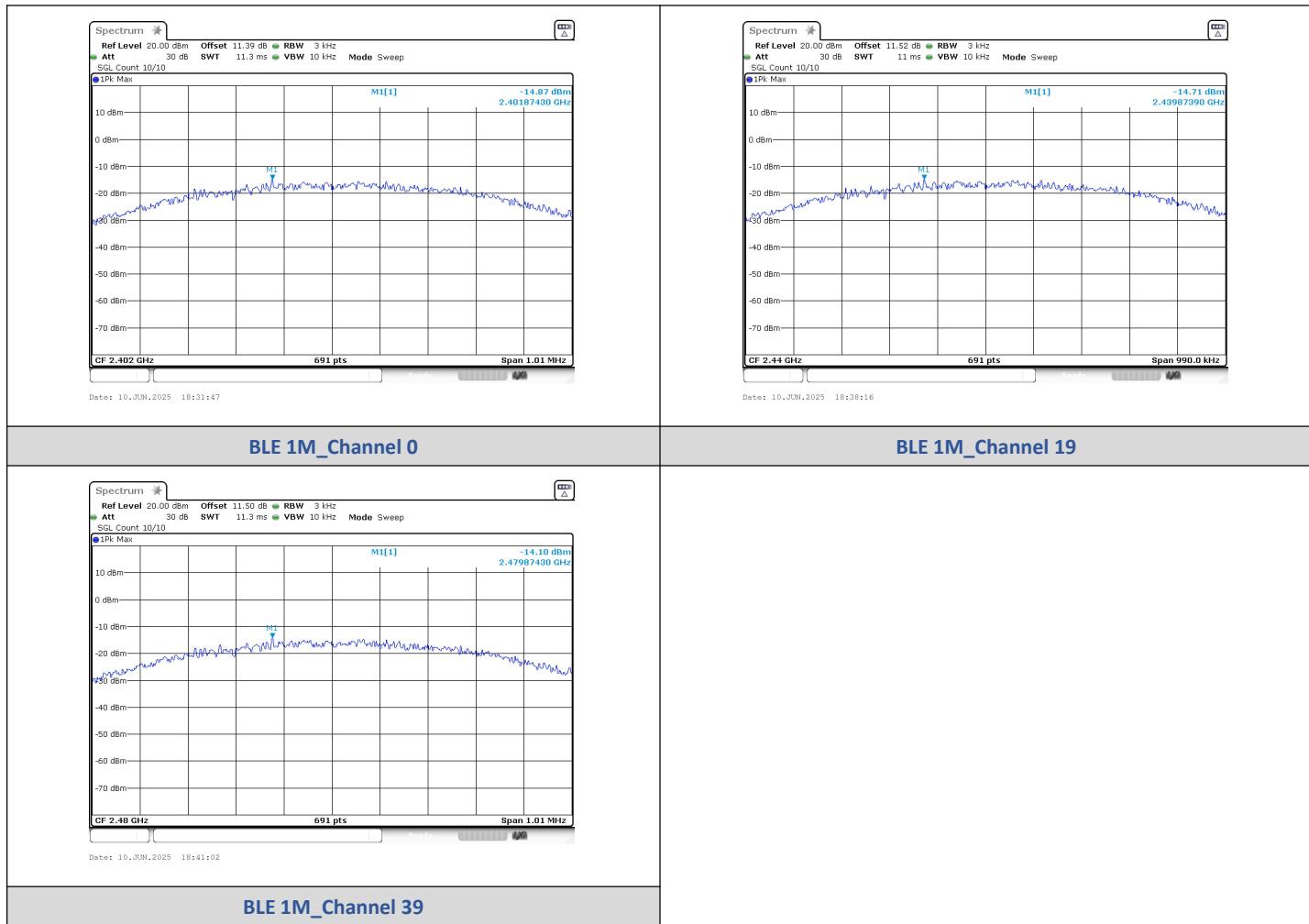


2) Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-14.870	≤8	PASS
BLE 1M	19	-14.710	≤8	PASS
BLE 1M	39	-14.100	≤8	PASS

Test Graphs

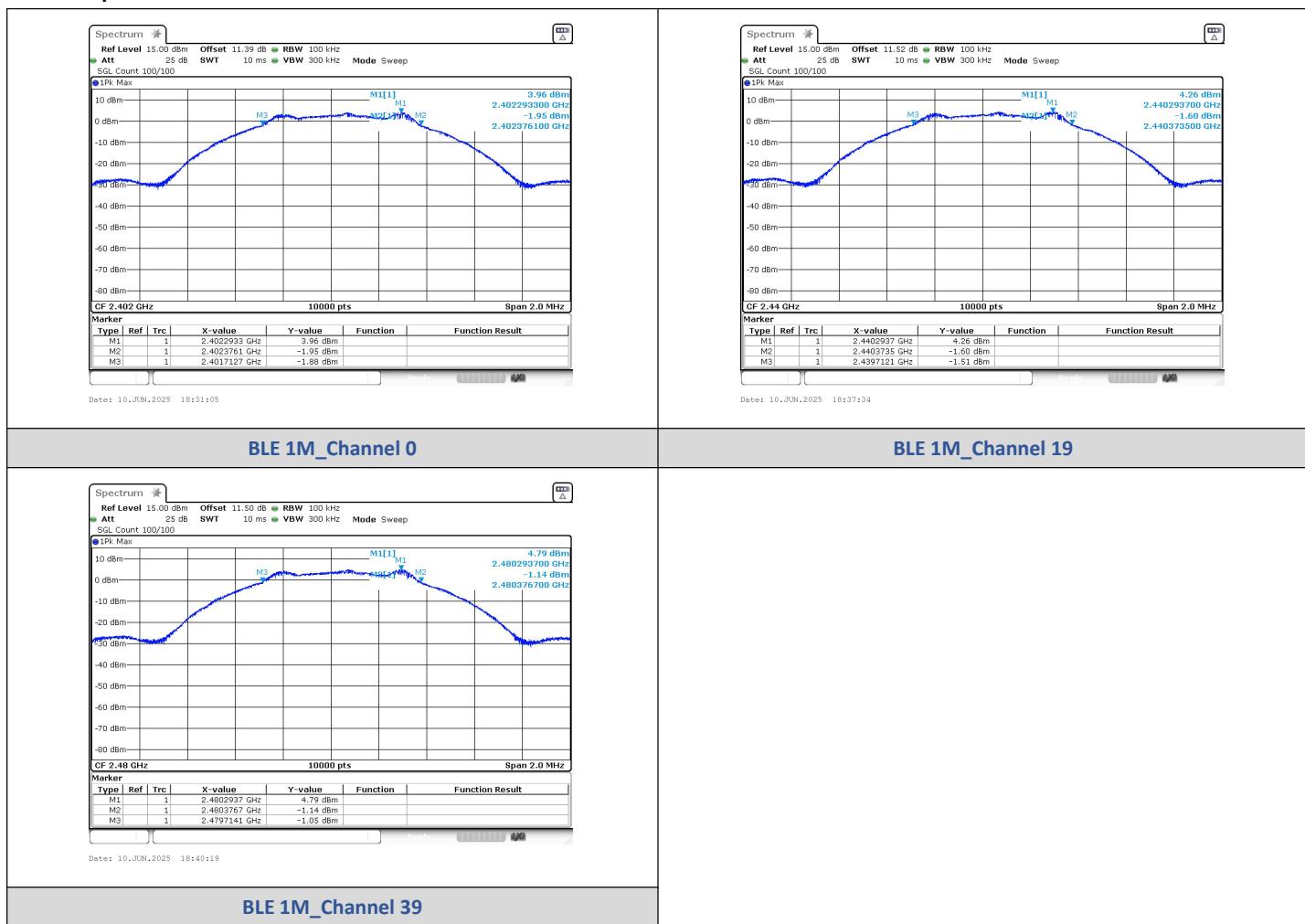


3) 6dB Bandwidth

Test Result

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

Test Graphs

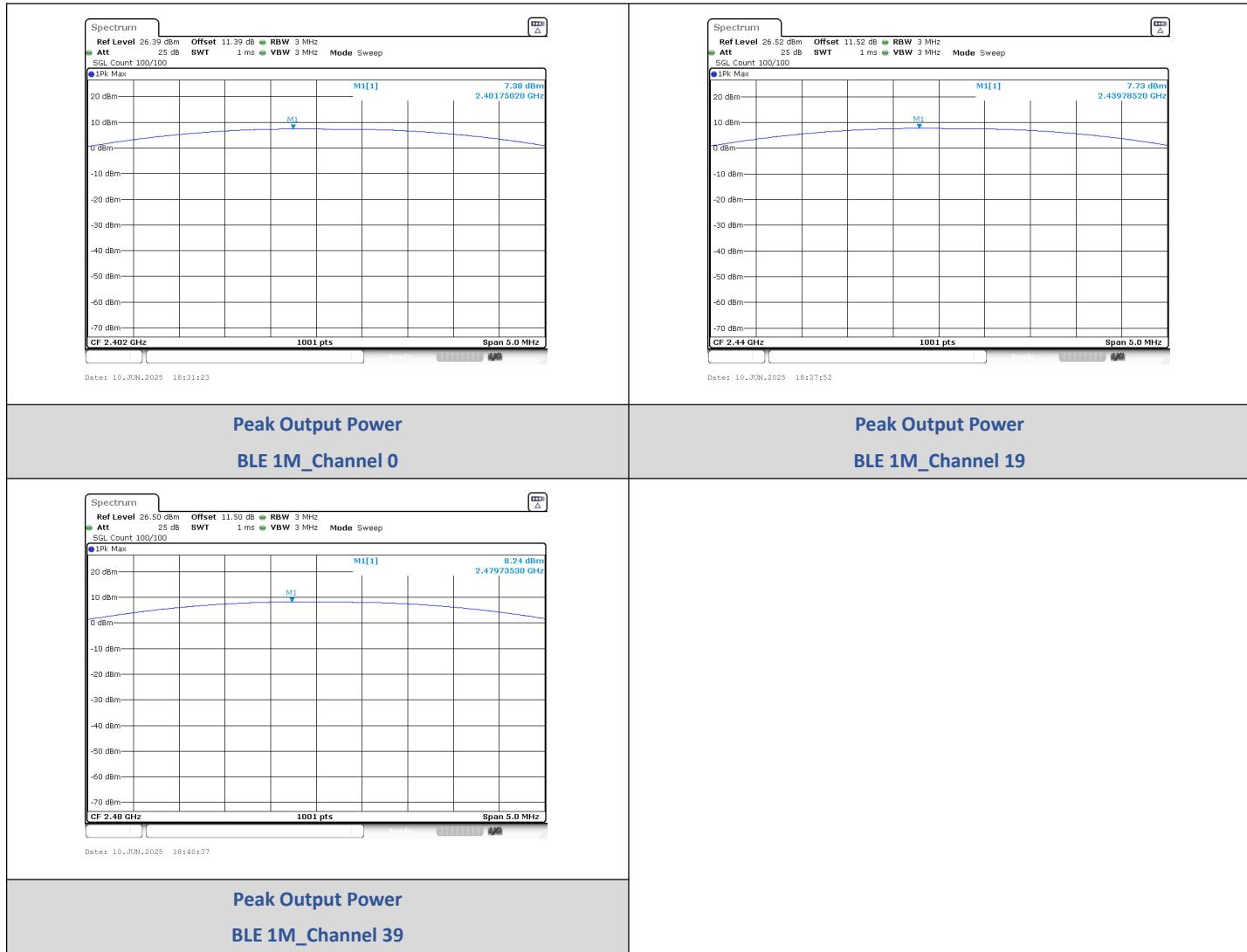


4) Conducted Output Power

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	7.73	5.93	≤30	PASS
	39	8.24	6.67	≤30	PASS

Test Graphs

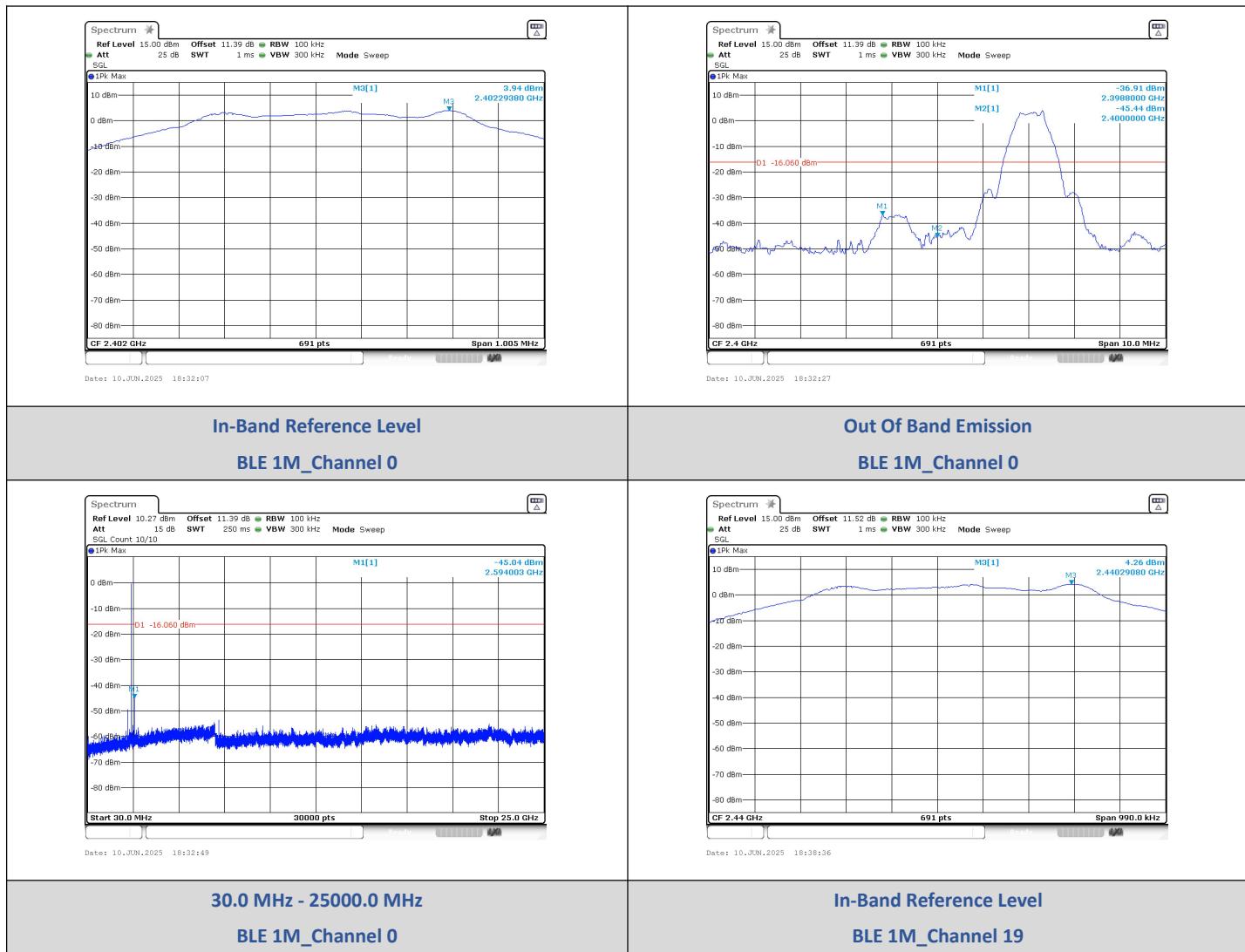


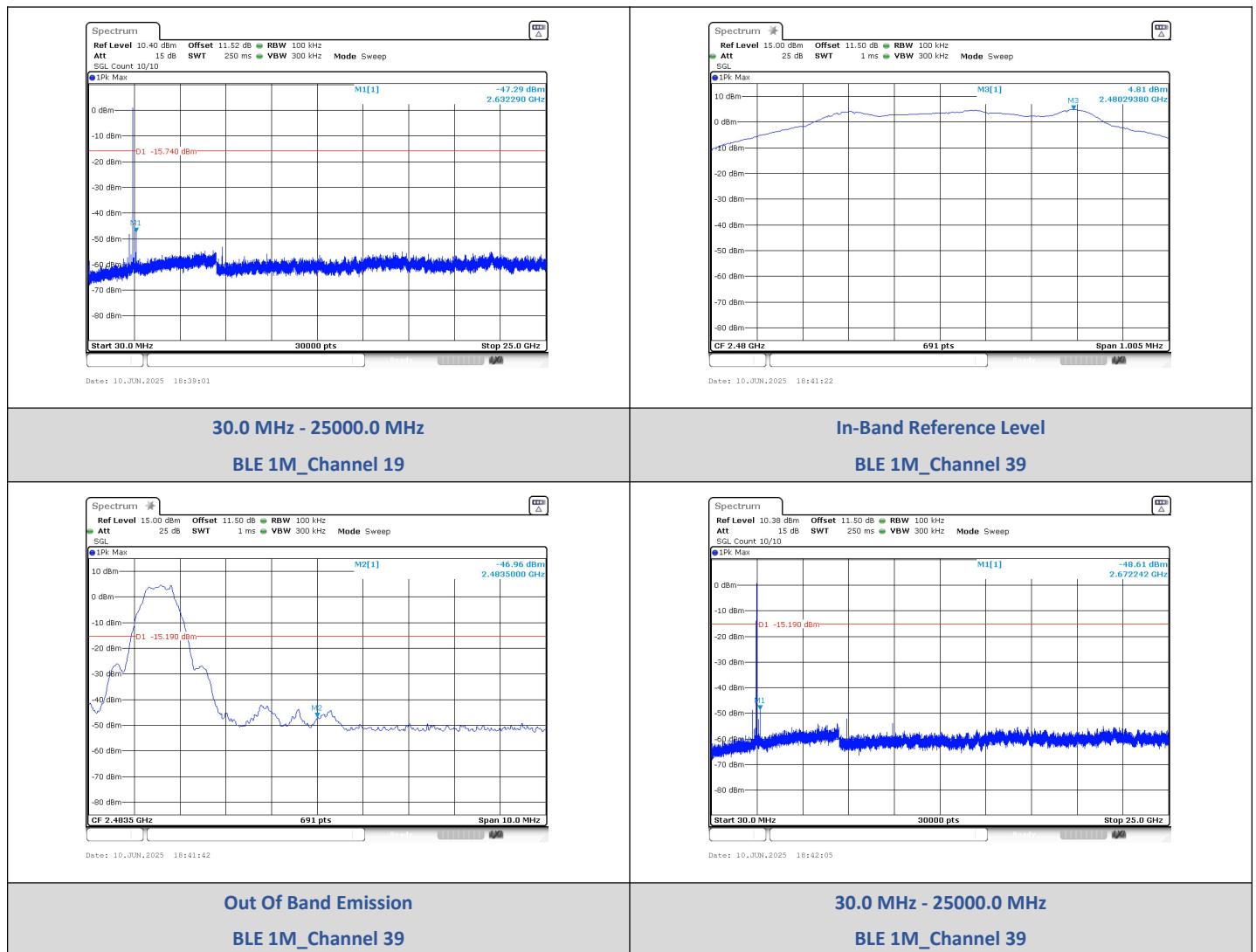
5) Conducted Out Of Band Emission

Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2398.80	-36.910	-16.06	-20.850	PASS
		2400.00	-45.440	-16.06	-29.380	PASS
		2594.00	-45.039	-16.06	-28.979	PASS
	19	2632.29	-47.294	-15.74	-31.554	PASS
	39	2483.50	-46.960	-15.19	-31.770	PASS
		2672.24	-48.608	-15.19	-33.418	PASS

Test Graphs





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