

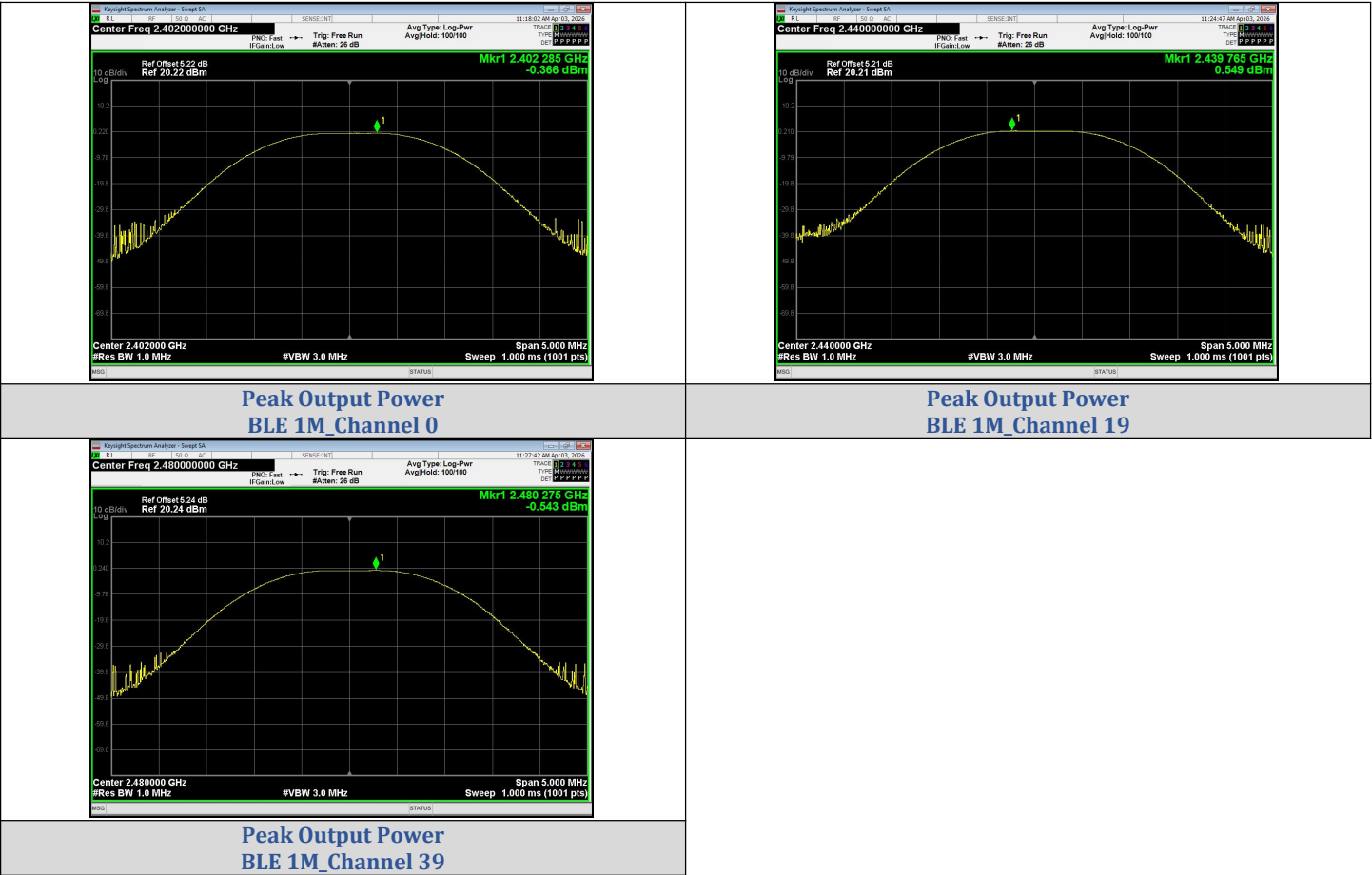
Appendix A: Test Results of Bluetooth BLE

Conducted Output Power

Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
BLE 1M	0	-0.37	0.92	None	≤30	PASS
	19	0.55	1.13	None	≤30	PASS
	39	-0.54	0.88	None	≤30	PASS

Test Graphs

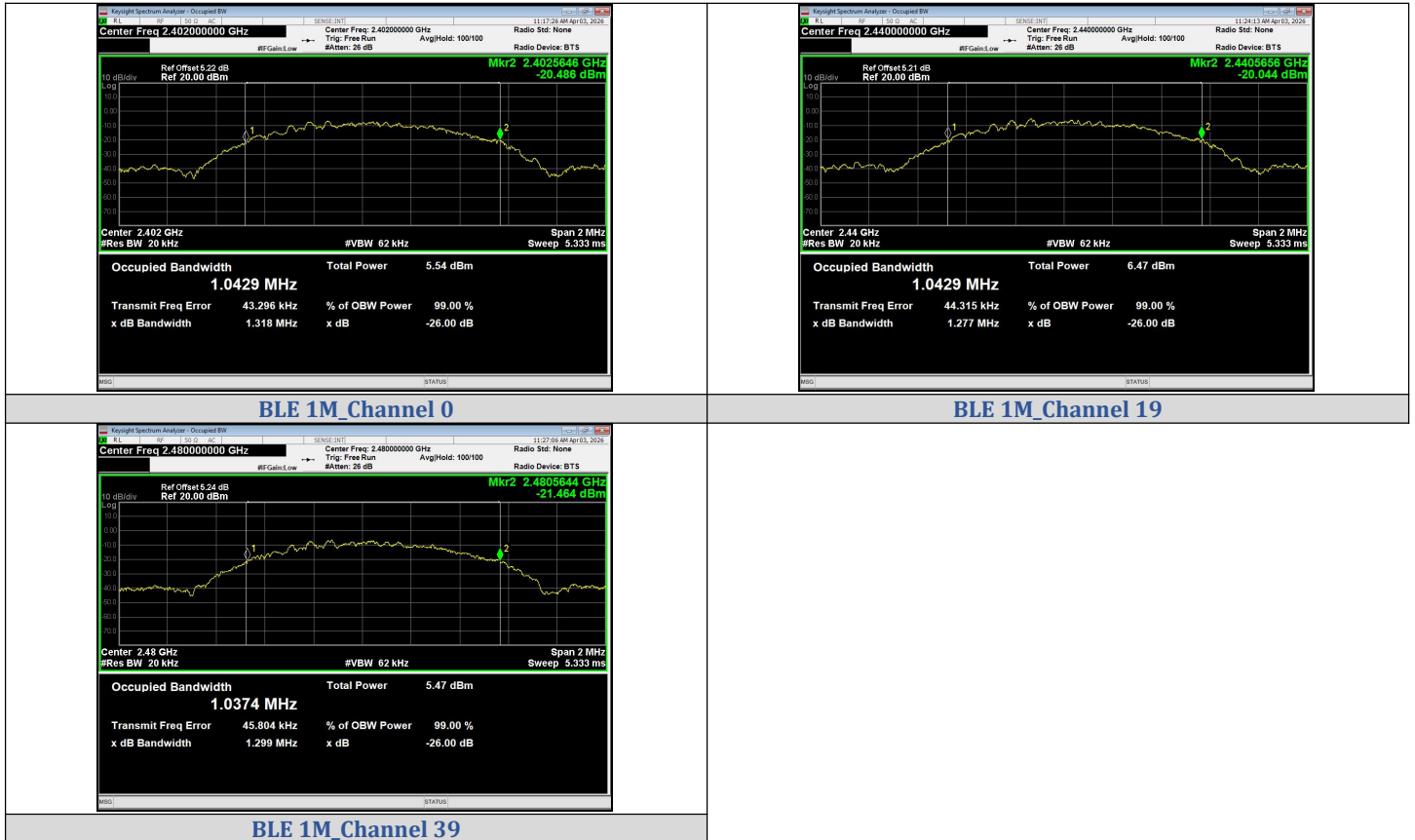


99% Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0429
BLE 1M	19	2440	1.0429
BLE 1M	39	2480	1.0374

Test Graphs

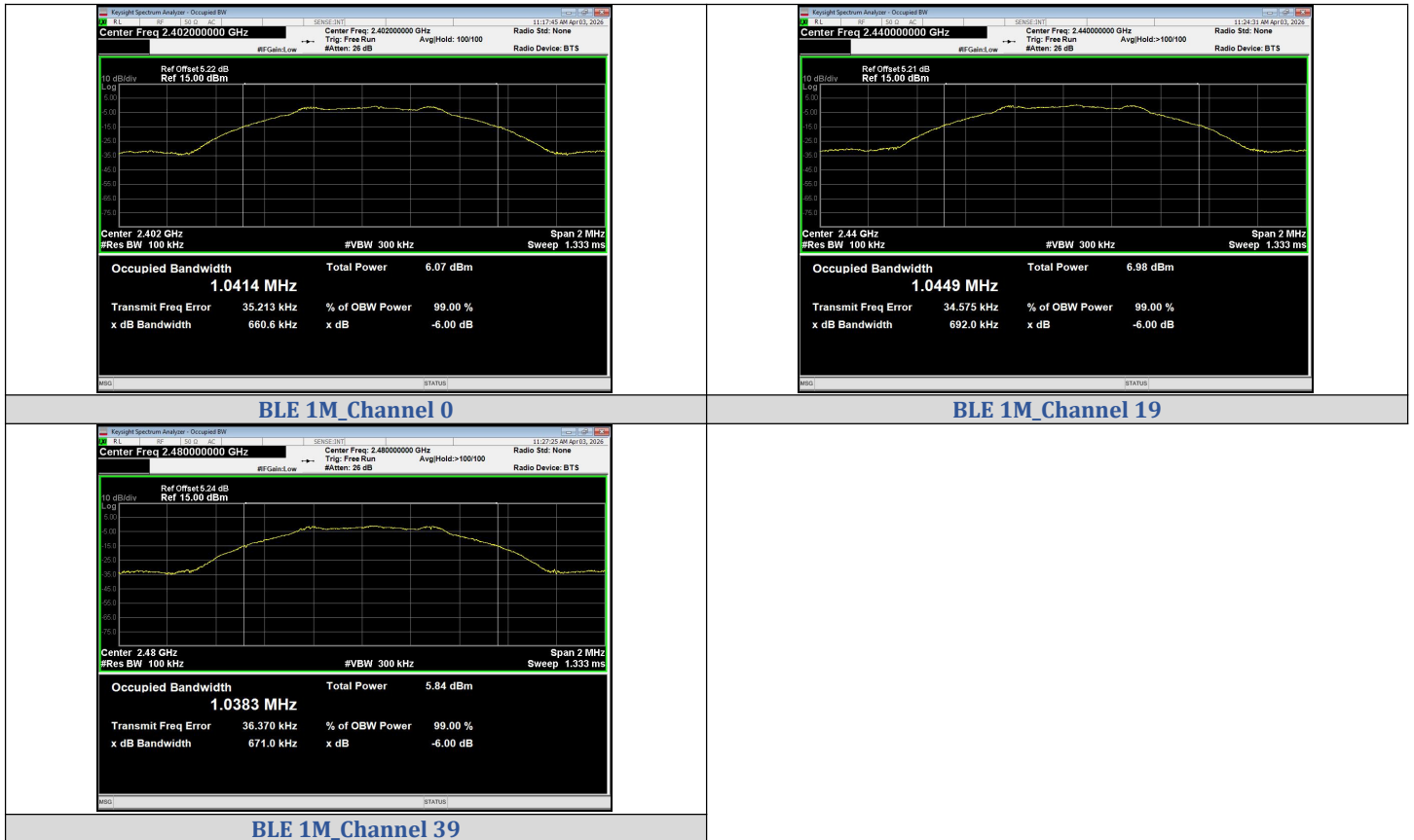


6dB Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6606	≥0.5	PASS
	19	2440	0.6920		PASS
	39	2480	0.6710		PASS

Test Graphs



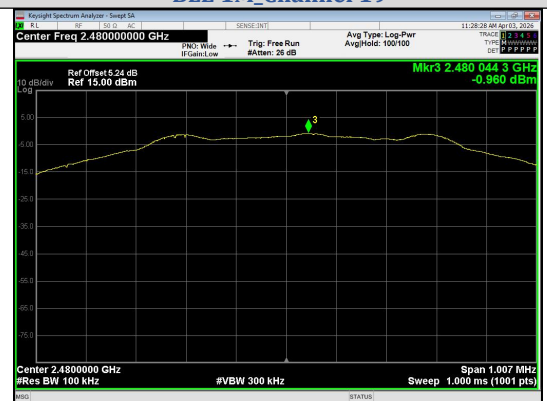
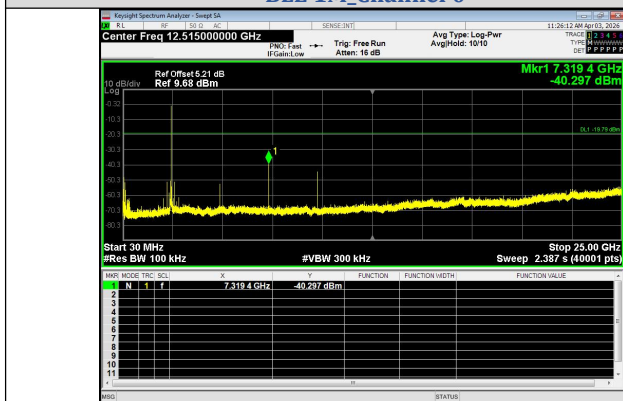
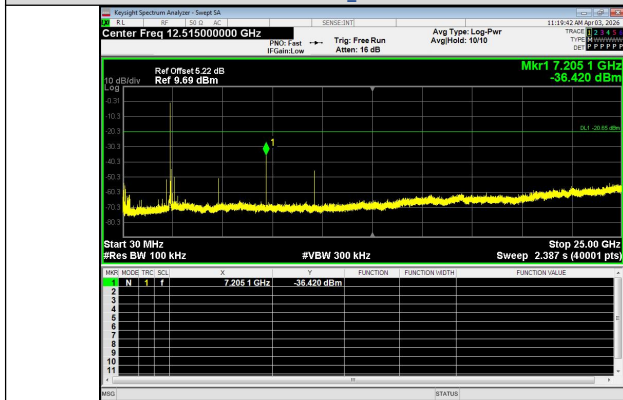
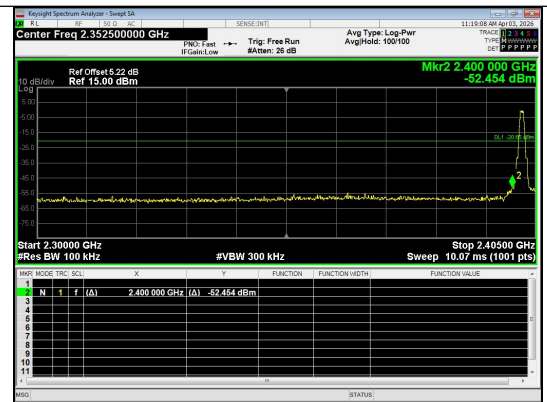
Conducted Spurious & Band Edge Emission

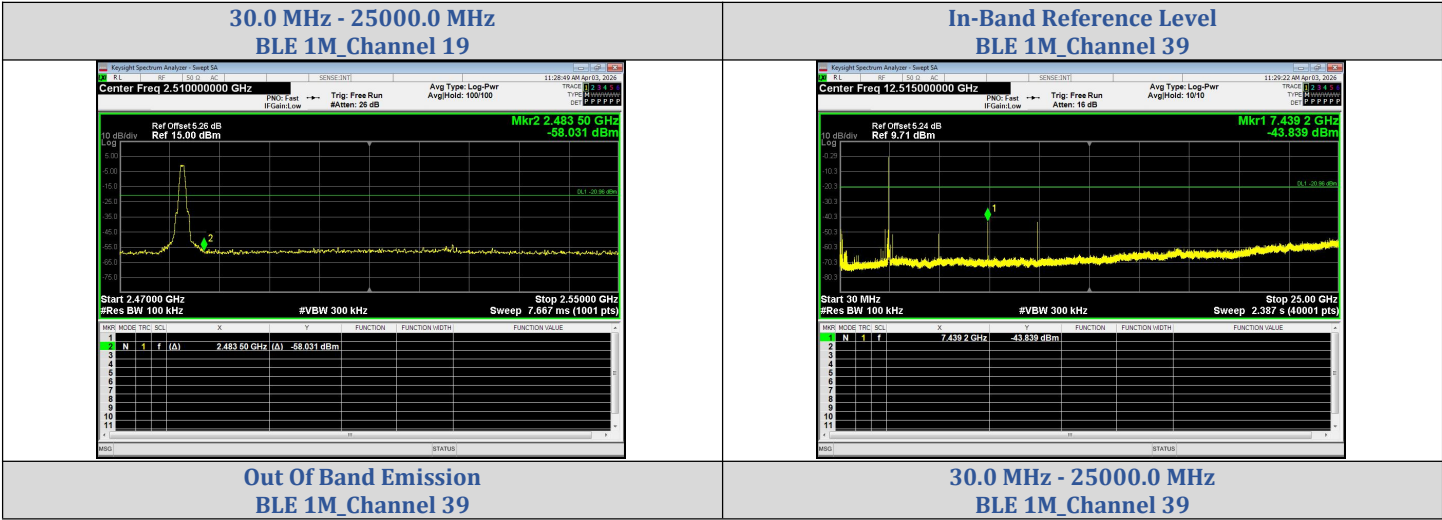
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2400.00	-52.454	-20.65	-31.804	PASS
		7205.13	-36.420	-20.65	-15.770	PASS
	19	7319.37	-40.297	-19.79	-20.507	PASS
	39	2483.50	-58.031	-20.96	-37.071	PASS
		7439.22	-43.839	-20.96	-22.879	PASS

Note: input compensation coefficient (dB)= Cable Loss (dB)

Test Graphs





Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-16.800	≤8	PASS
BLE 1M	19	-15.380	≤8	PASS
BLE 1M	39	-16.840	≤8	PASS

Test Graphs

