

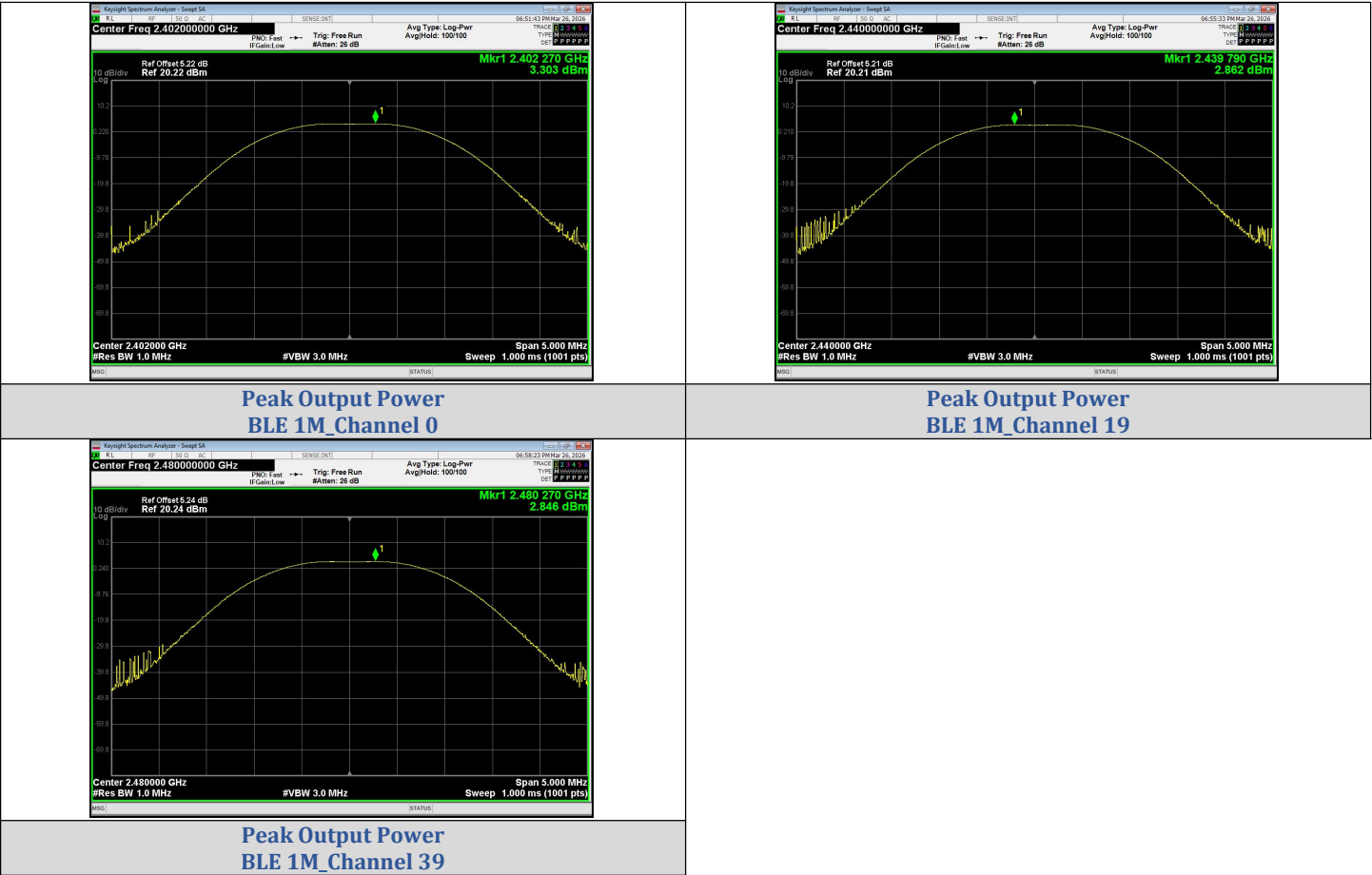
Appendix A:Test Results of Bluetooth BLE

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	3.30	2.14	None	≤30	PASS
	19	2.86	1.93	None	≤30	PASS
	39	2.85	1.93	None	≤30	PASS

Test Graphs

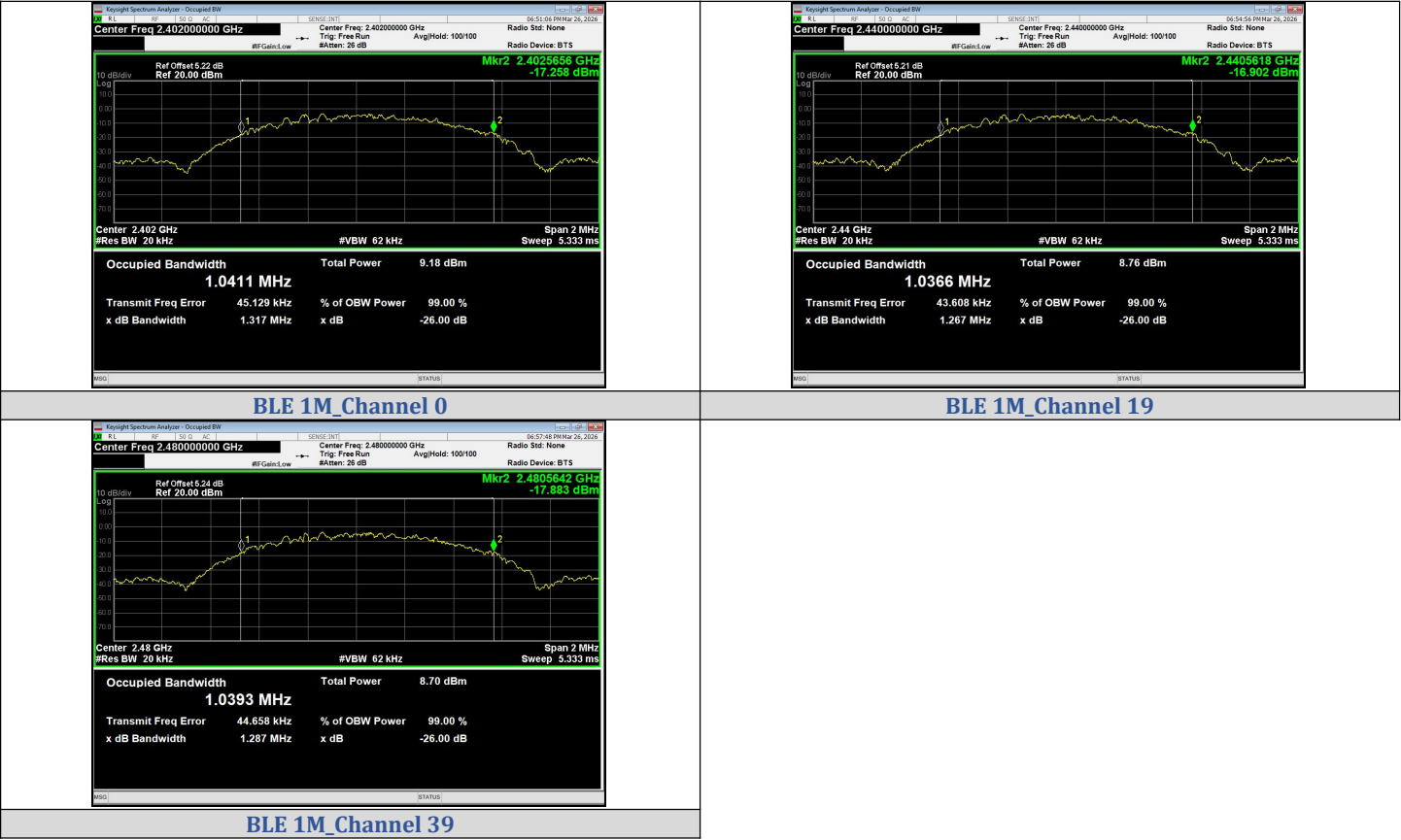


99% Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0411
BLE 1M	19	2440	1.0366
BLE 1M	39	2480	1.0393

Test Graphs

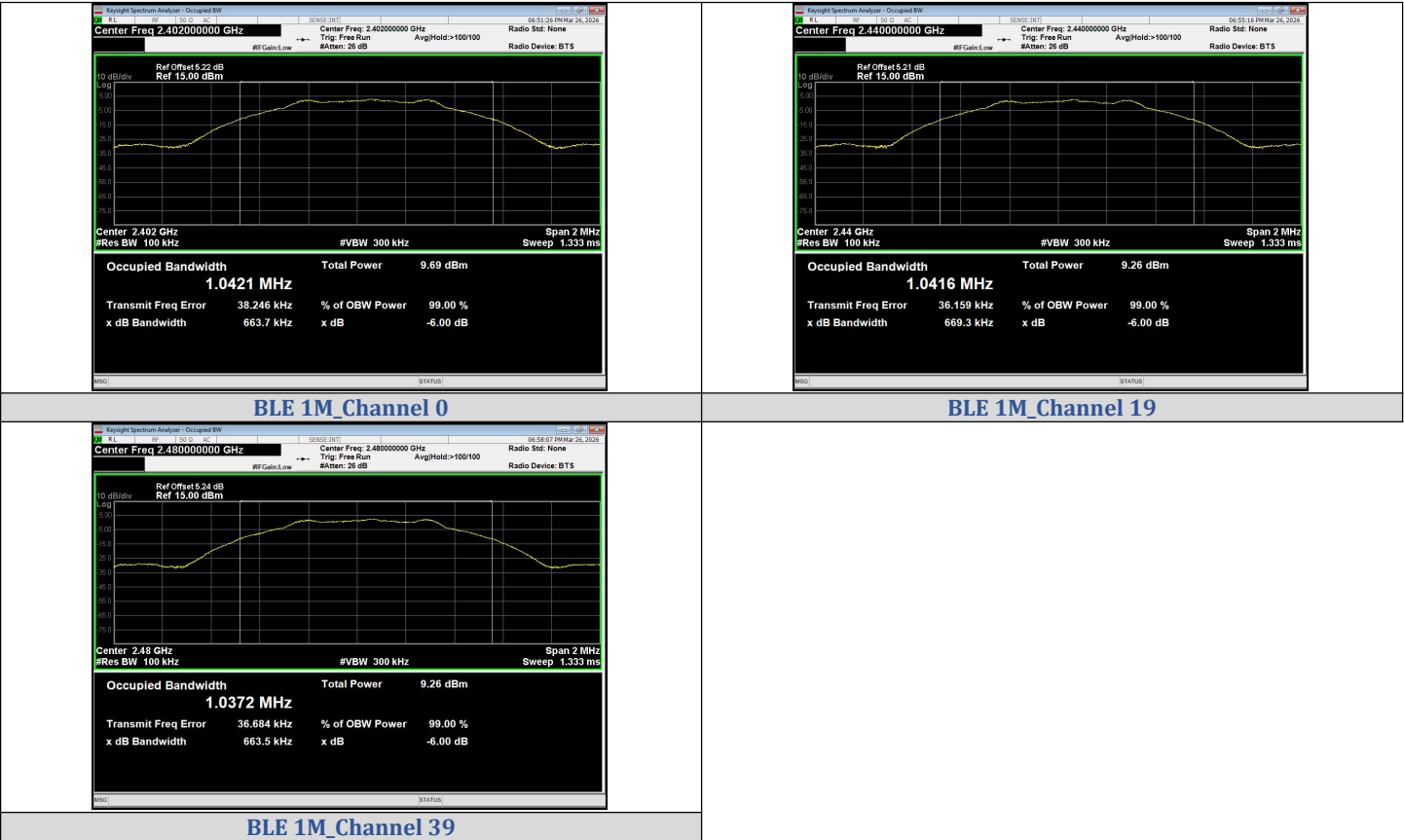


6dB Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6637	≥0.5	PASS
	19	2440	0.6693		PASS
	39	2480	0.6635		PASS

Test Graphs



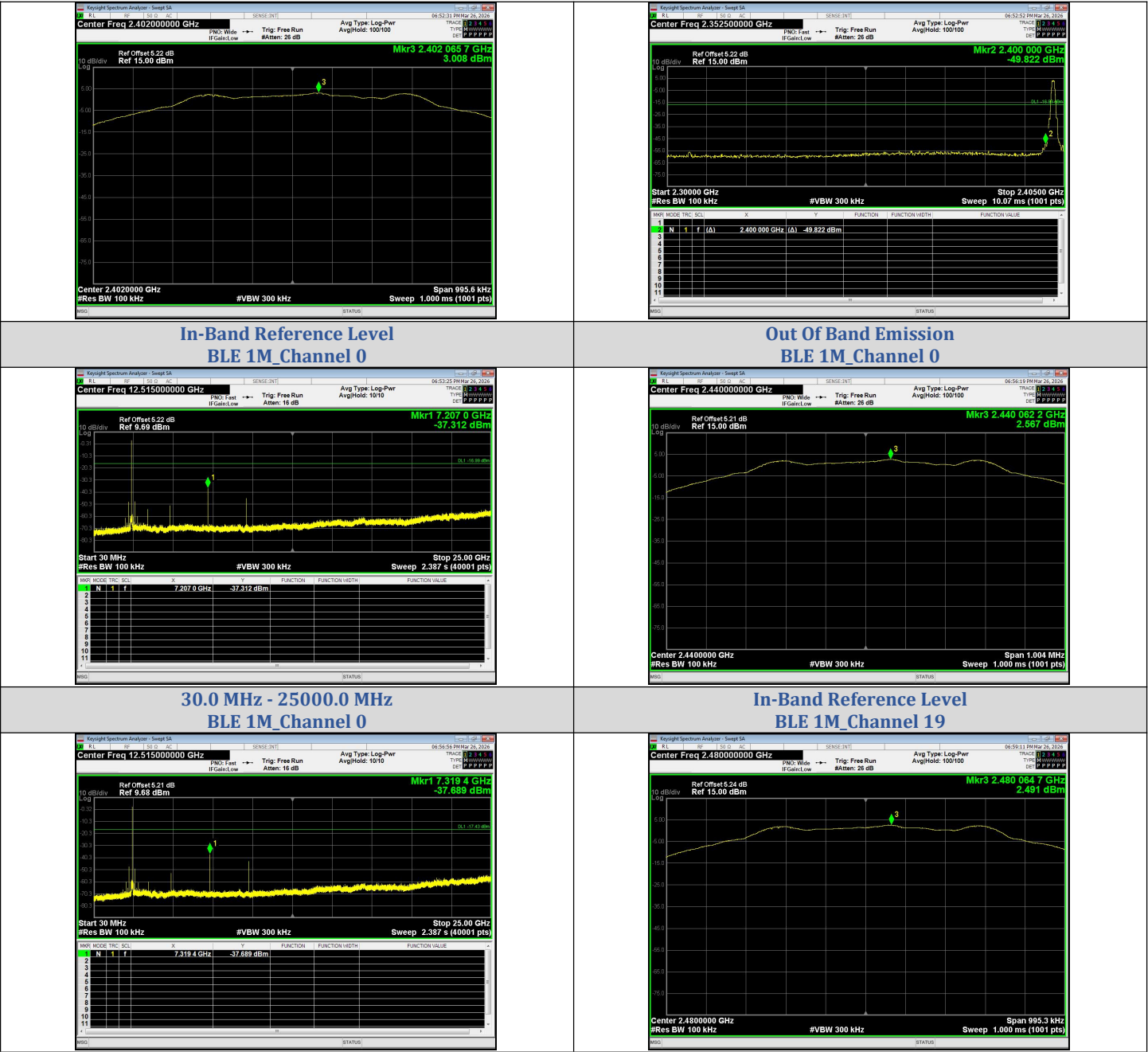
Conducted Spurious & Band Edge Emission

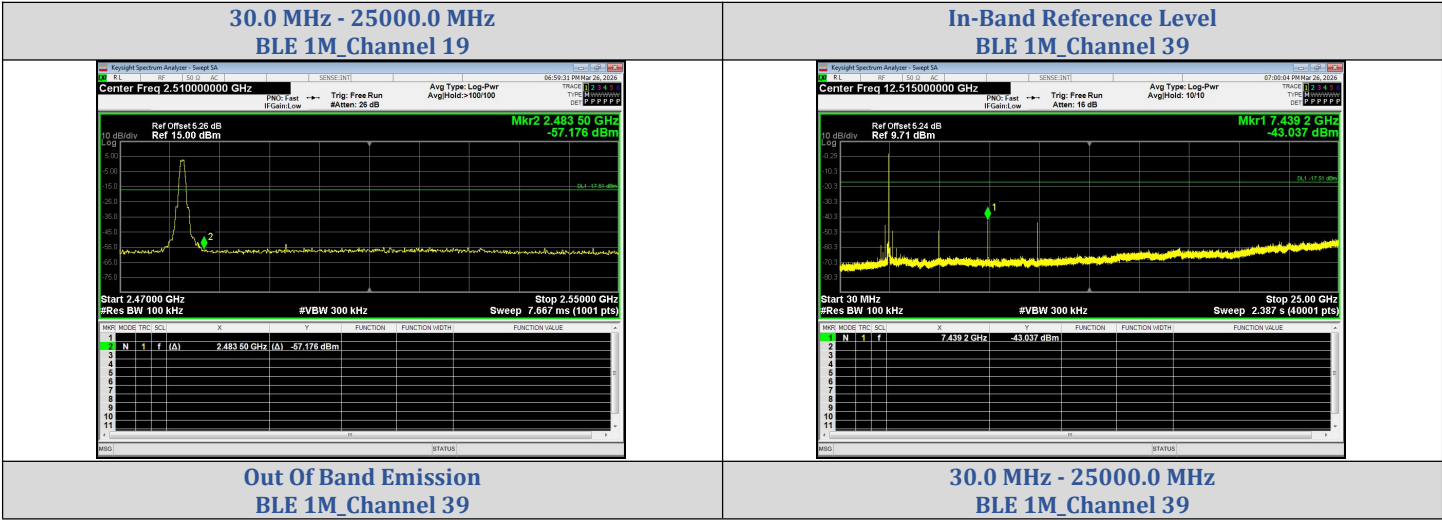
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2400.00	-49.822	-16.99	-32.832	PASS
		7207.00	-37.312	-16.99	-20.322	PASS
	19	7319.37	-37.689	-17.43	-20.259	PASS
	39	2483.50	-57.176	-17.51	-39.666	PASS
		7439.22	-43.037	-17.51	-25.527	PASS

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

Test Graphs

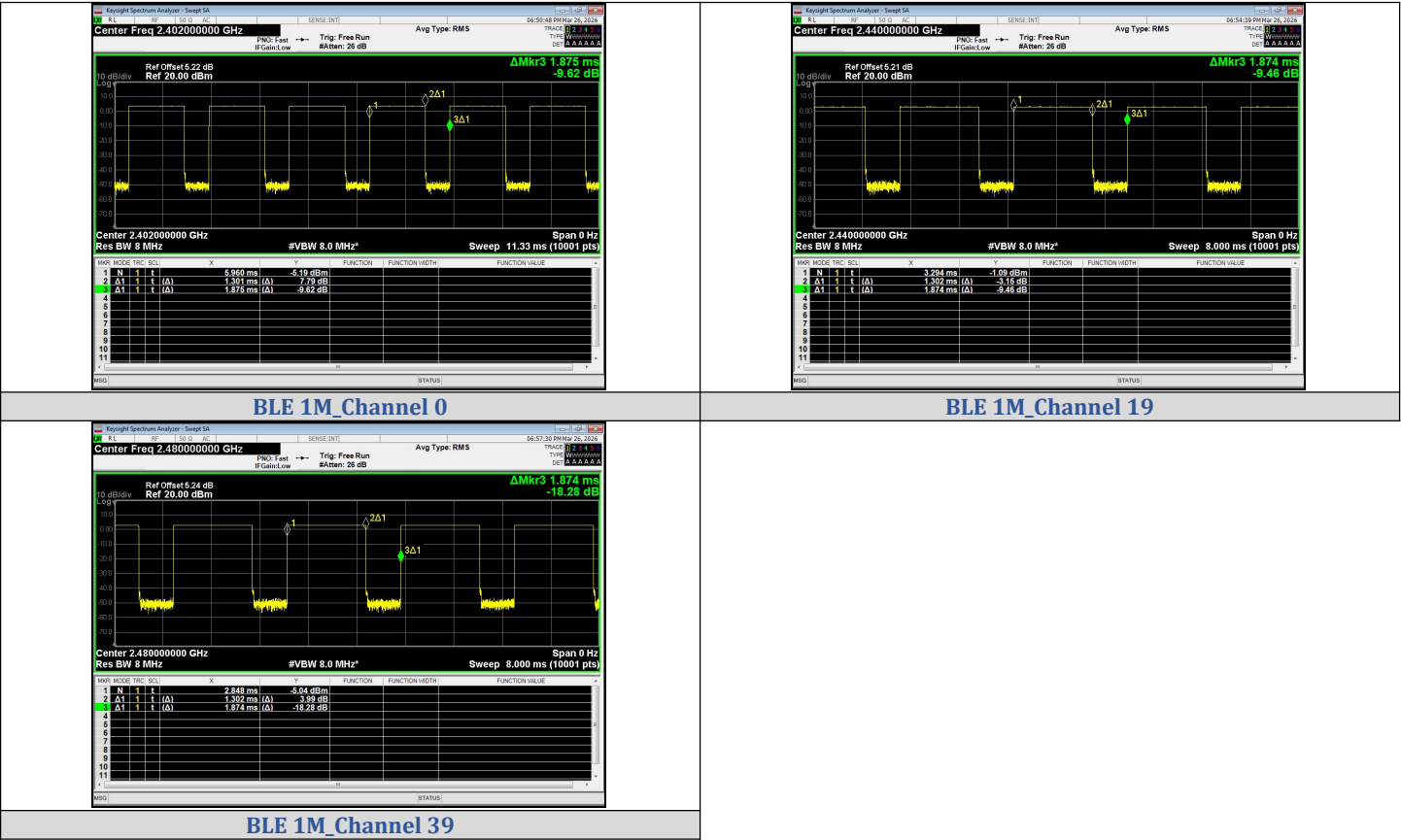




Duty Cycle
Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	1.301	1.875	69.41	0.6941	1.5858	0.7686
	19	1.302	1.874	69.44	0.6944	1.5839	0.7680
	39	1.302	1.874	69.44	0.6944	1.5839	0.7680

Test Graphs



Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-12.550	≤8	PASS
BLE 1M	19	-12.850	≤8	PASS
BLE 1M	39	-13.040	≤8	PASS

Test Graphs

