

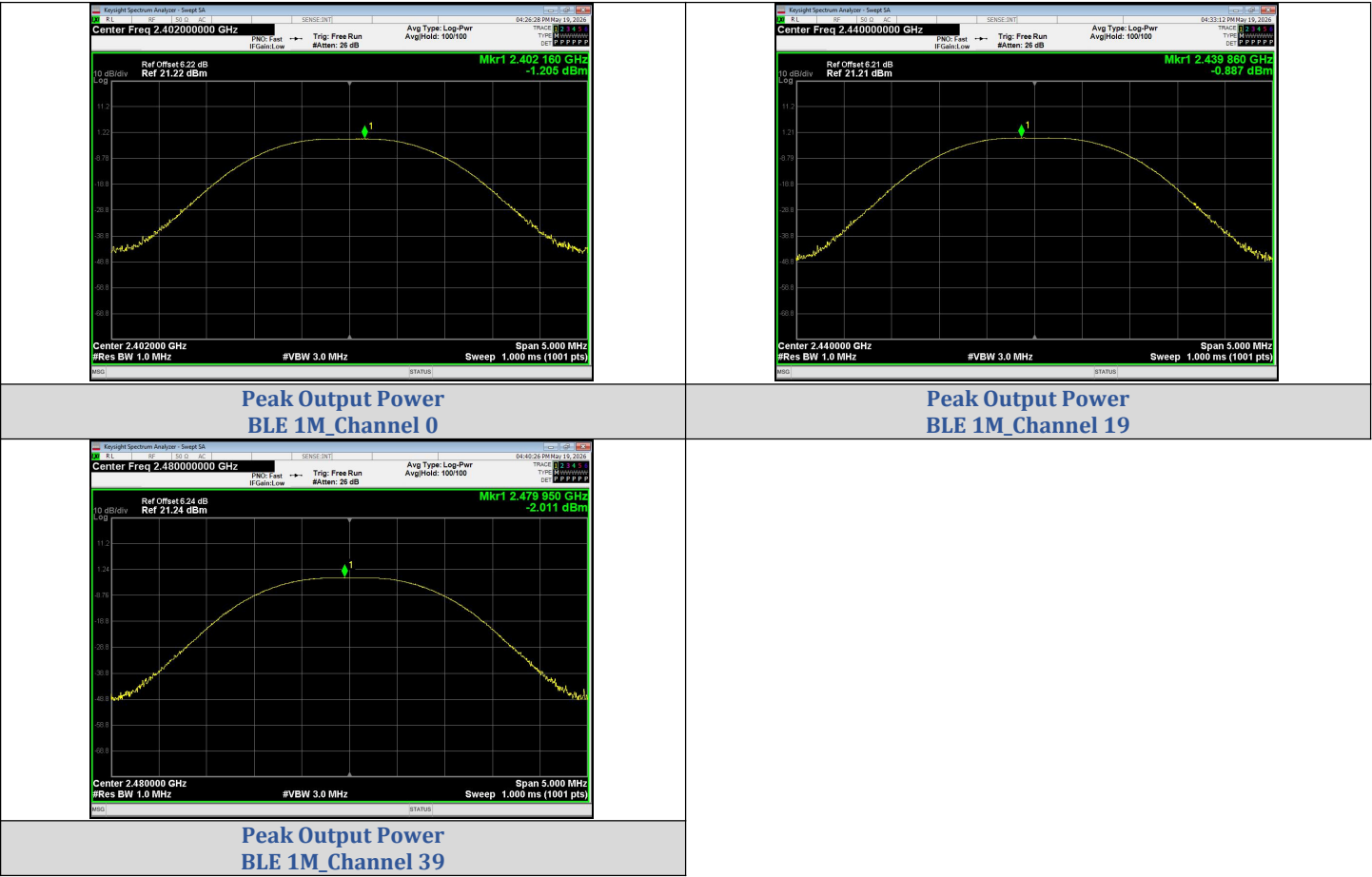
Appendix A:Test Results of Bluetooth BLE

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	-1.21	0.76	None	≤30	PASS
	19	-0.89	0.82	None	≤30	PASS
	39	-2.01	0.63	None	≤30	PASS

Test Graphs

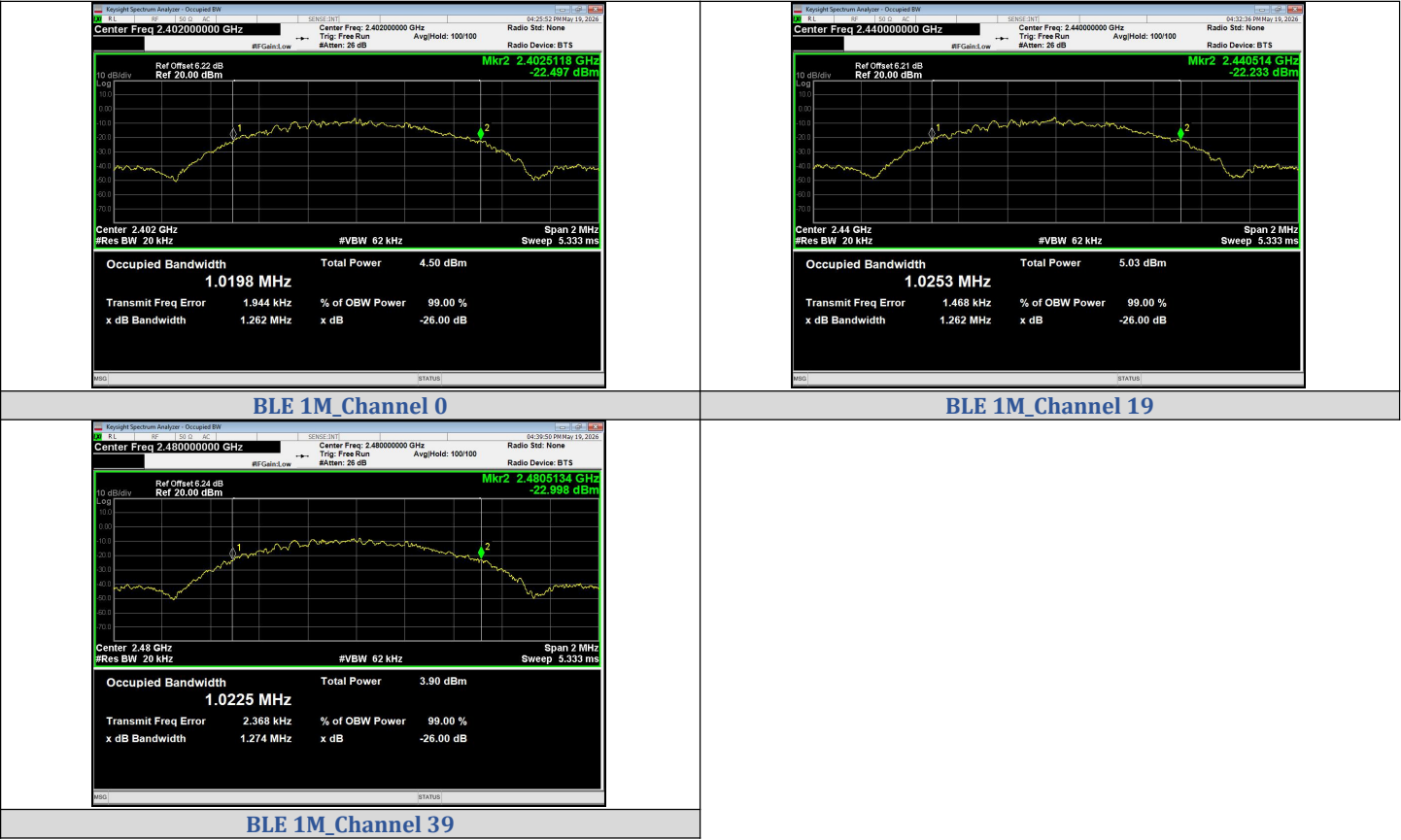


99% Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0198
BLE 1M	19	2440	1.0253
BLE 1M	39	2480	1.0225

Test Graphs

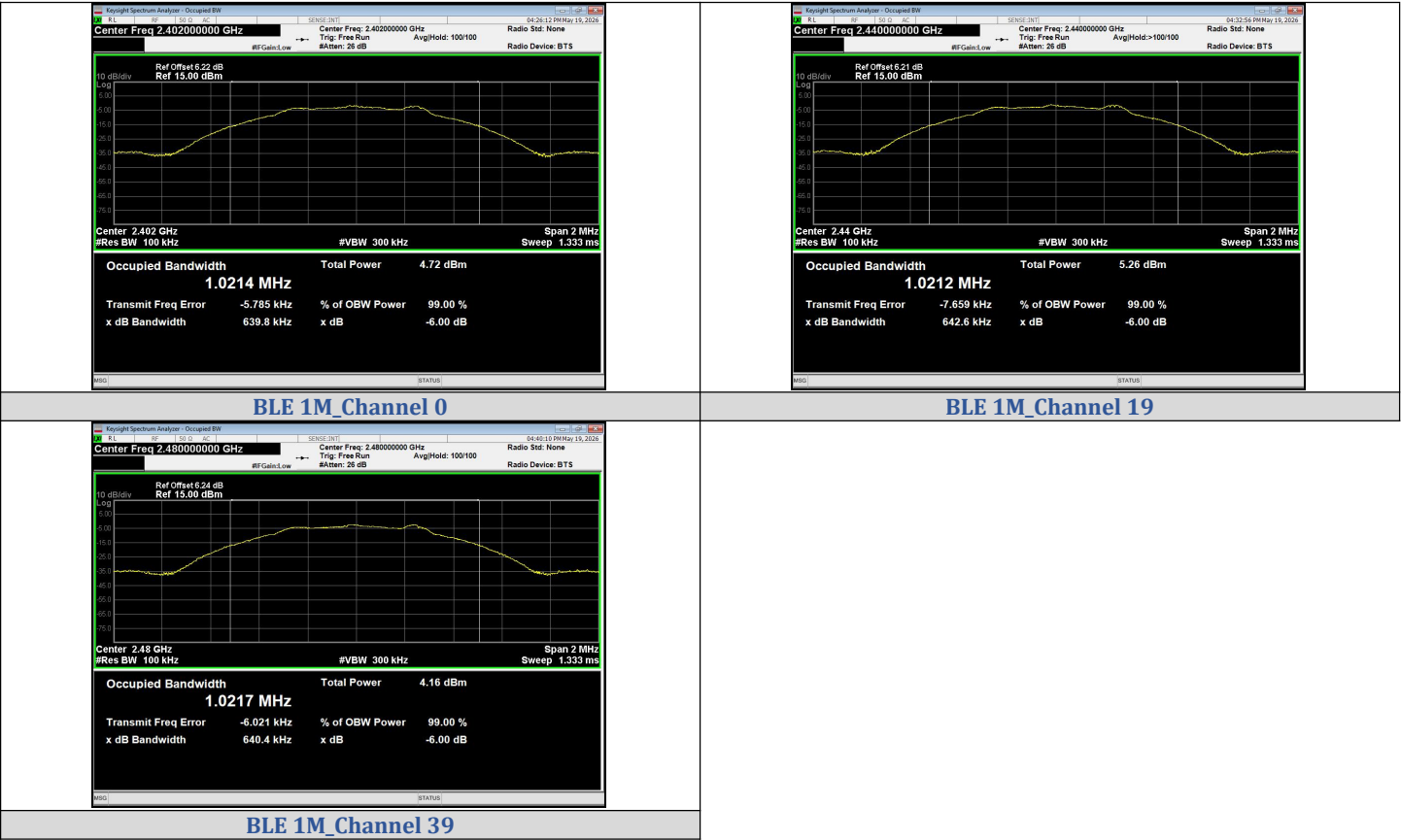


6dB Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6398	≥0.5	PASS
	19	2440	0.6426		PASS
	39	2480	0.6404		PASS

Test Graphs

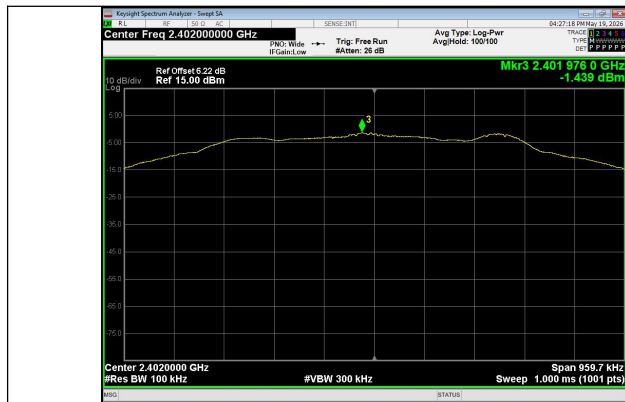
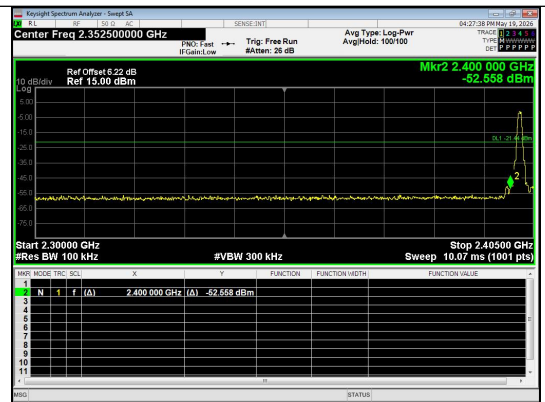
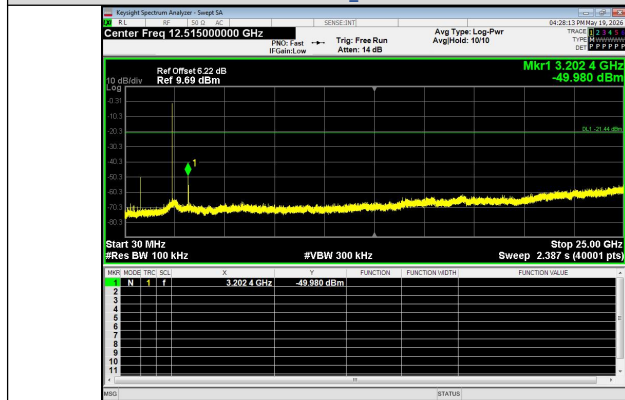
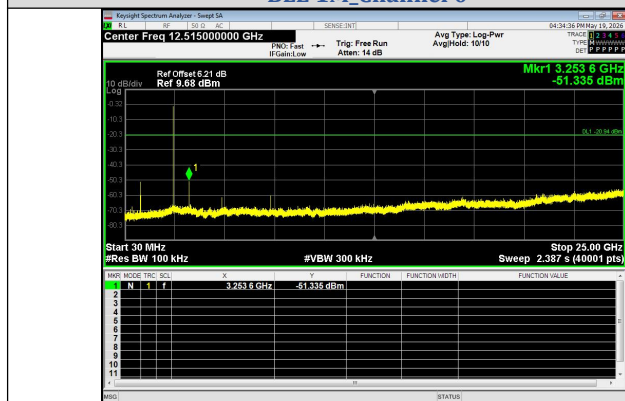


Conducted Spurious & Band Edge Emission

Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2400.00	-52.558	-21.44	-31.118	PASS
		3202.44	-49.980	-21.44	-28.540	PASS
	19	3253.63	-51.335	-20.94	-30.395	PASS
	39	2483.50	-56.095	-22.16	-33.935	PASS
		3306.69	-52.356	-22.16	-30.196	PASS
Note: input compensation coefficient (dB)= Cable Loss (dB)						

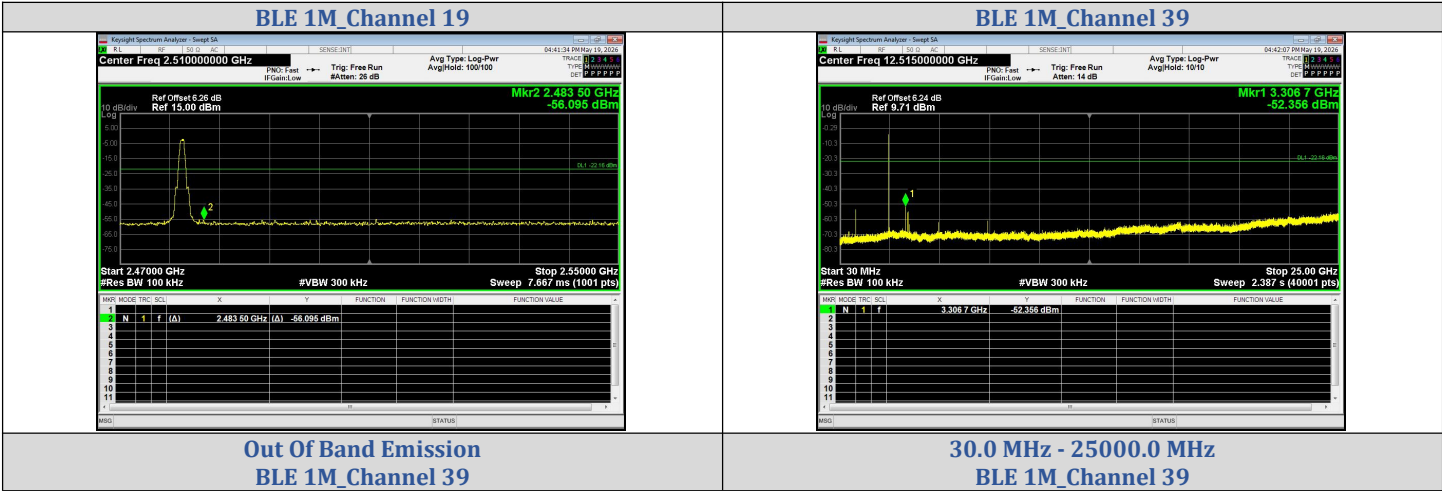
Test Graphs

In-Band Reference Level
BLE 1M_Channel 0Out Of Band Emission
BLE 1M_Channel 030.0 MHz - 25000.0 MHz
BLE 1M_Channel 0In-Band Reference Level
BLE 1M_Channel 19

30.0 MHz - 25000.0 MHz



In-Band Reference Level

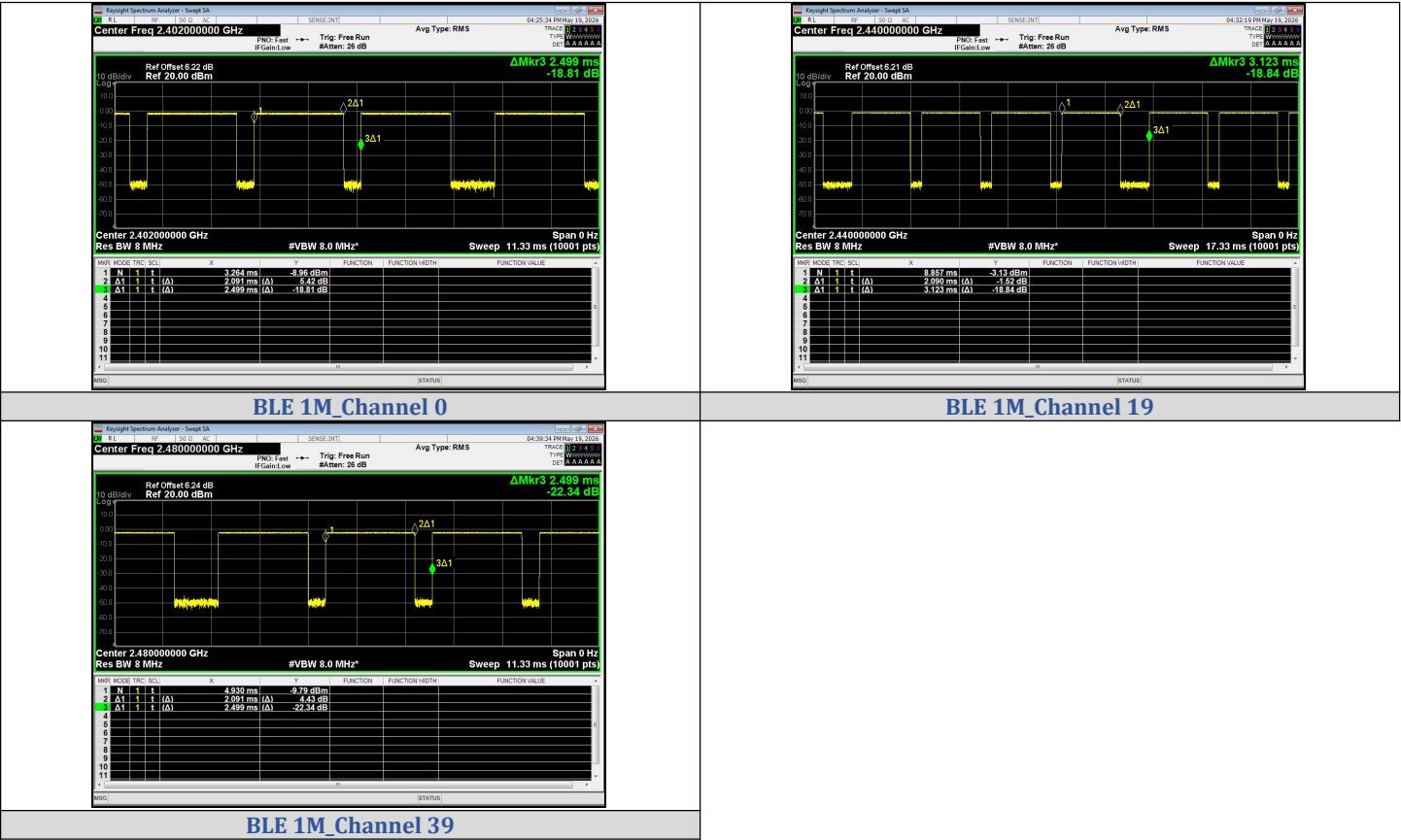


Duty Cycle

Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	2.091	2.499	83.67	0.8367	0.7743	0.4782
	19	2.090	3.123	66.93	0.6693	1.7438	0.4785
	39	2.091	2.499	83.67	0.8367	0.7743	0.4782

Test Graphs



FCC ID: 2ARJH-T20AB2

Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-15.760	≤8	PASS
BLE 1M	19	-15.350	≤8	PASS
BLE 1M	39	-17.200	≤8	PASS

Test Graphs

