

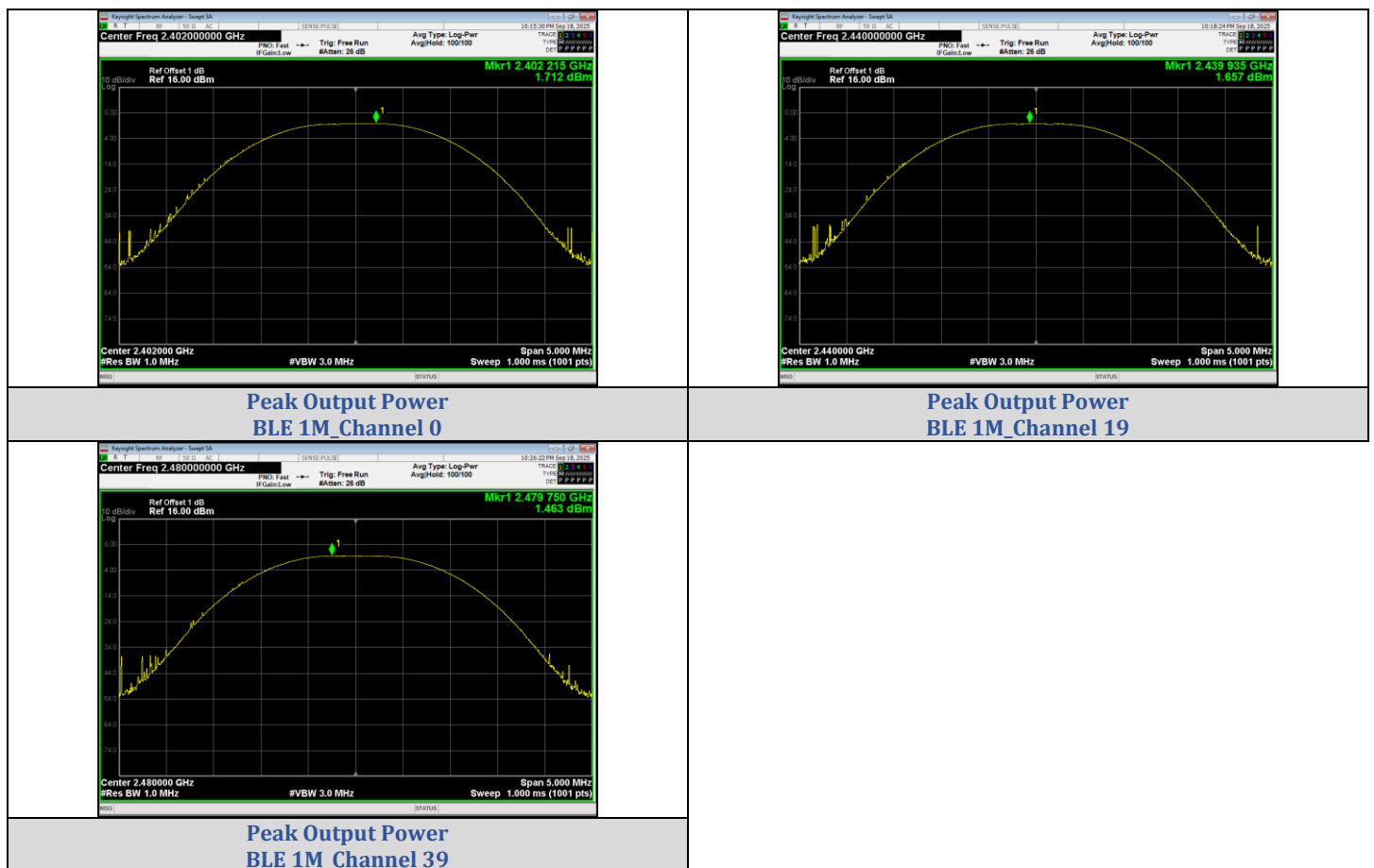
Appendix RF test data for BLE

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	1.71	1.48	None	≤30	PASS
	19	1.66	1.47	None	≤30	PASS
	39	1.46	1.4	None	≤30	PASS

Test Graphs

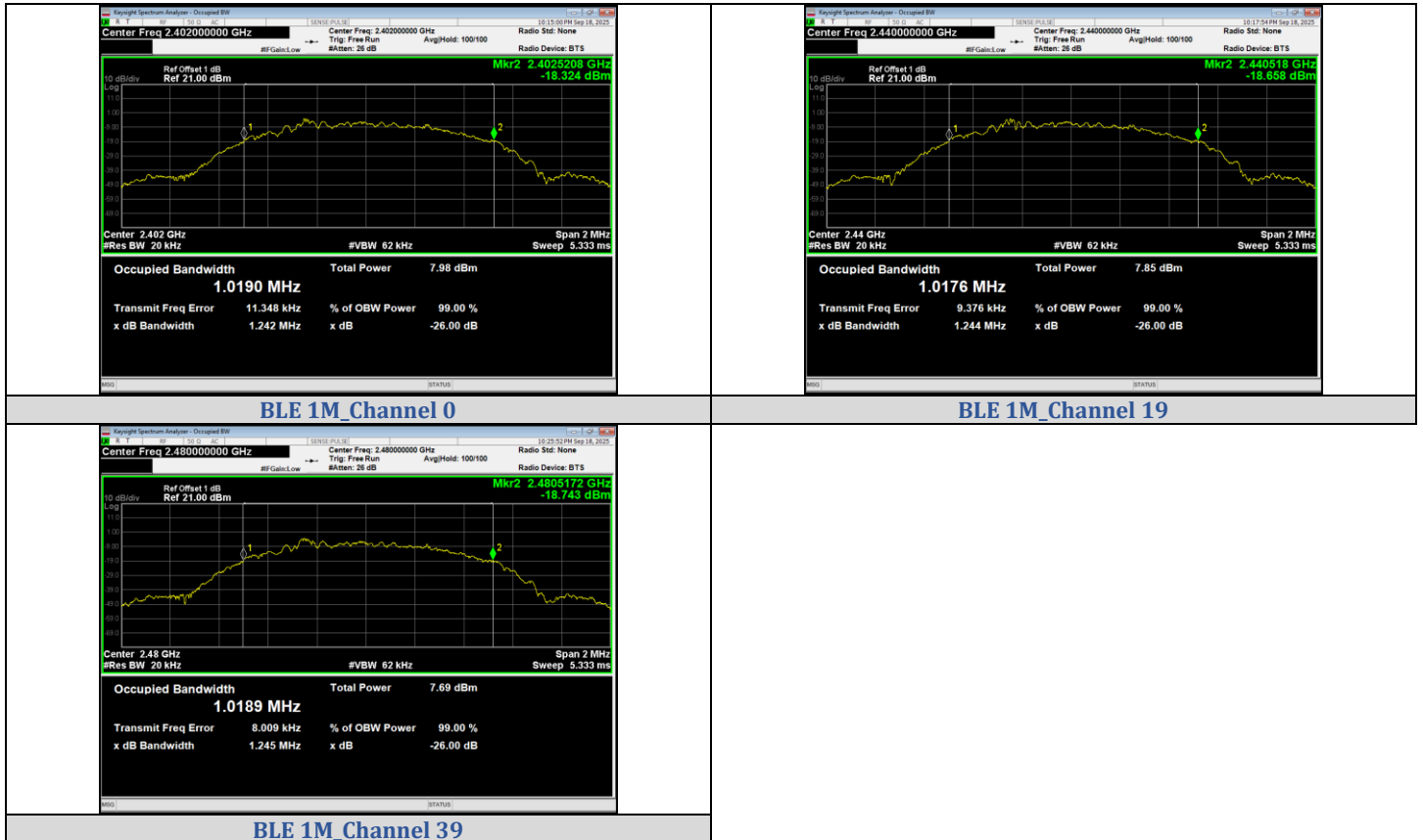


99% Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0190
BLE 1M	19	2440	1.0176
BLE 1M	39	2480	1.0189

Test Graphs

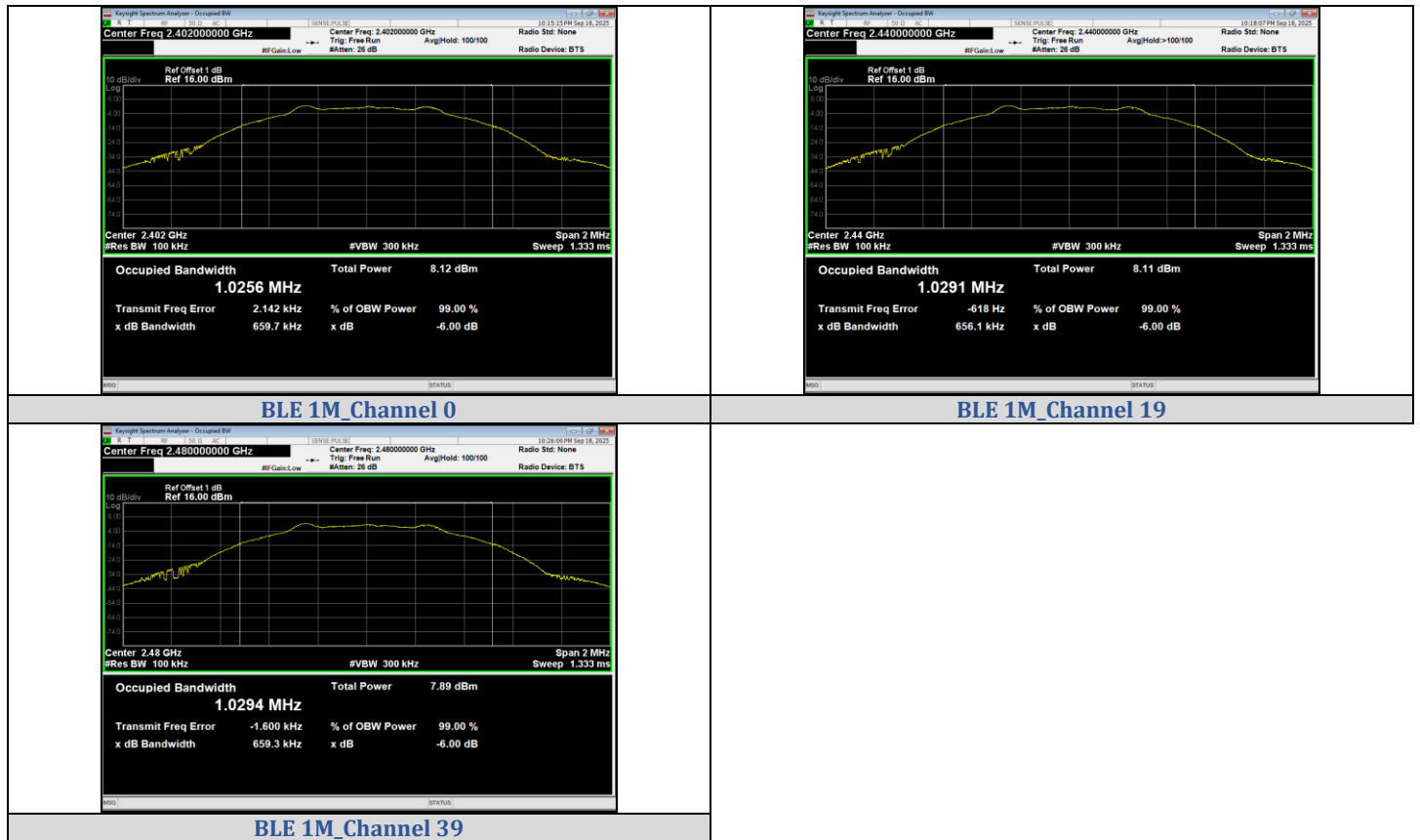


6dB Bandwidth

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	0.6600		PASS

Test Graphs

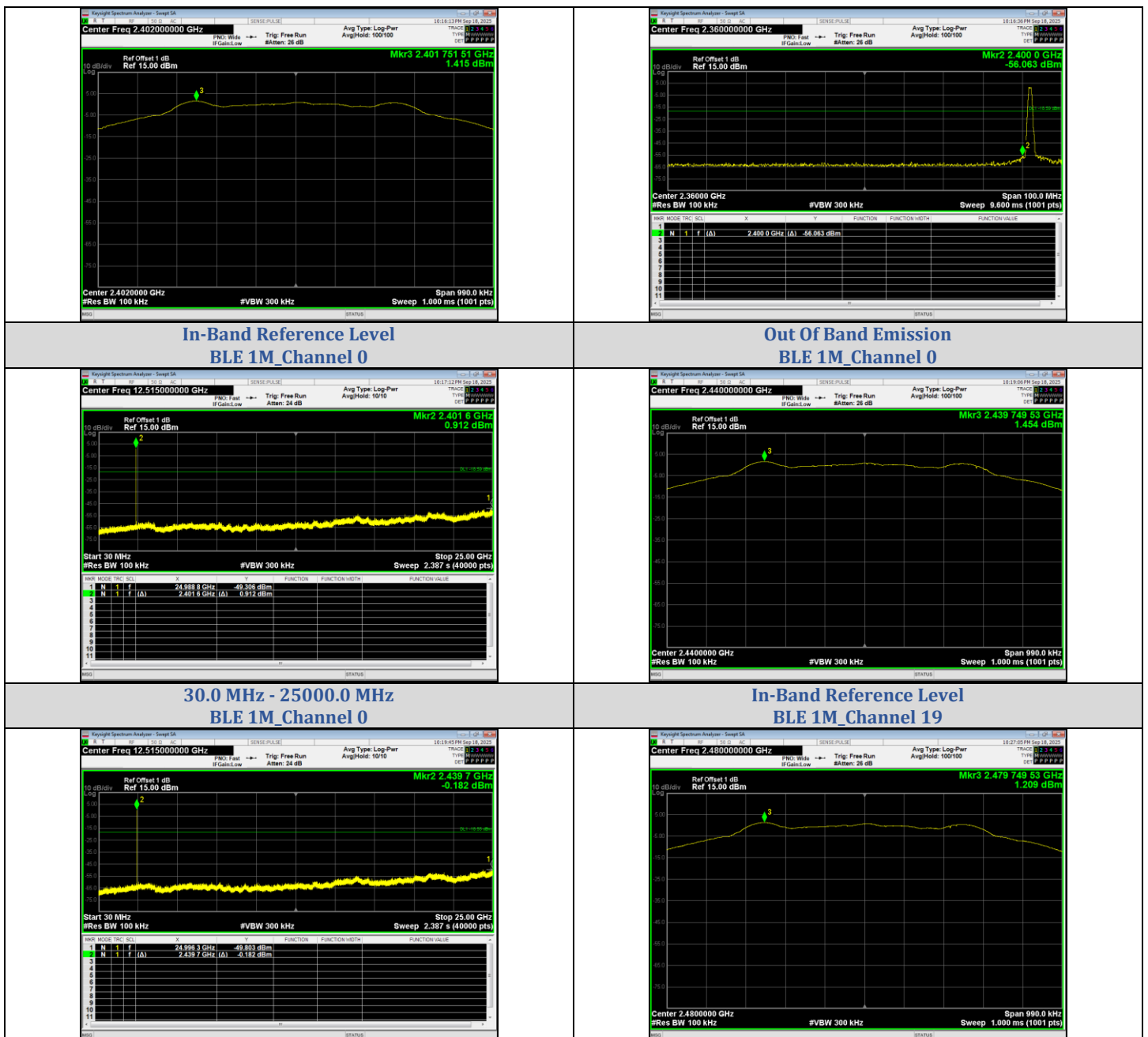


Conducted Out Of Band Emission

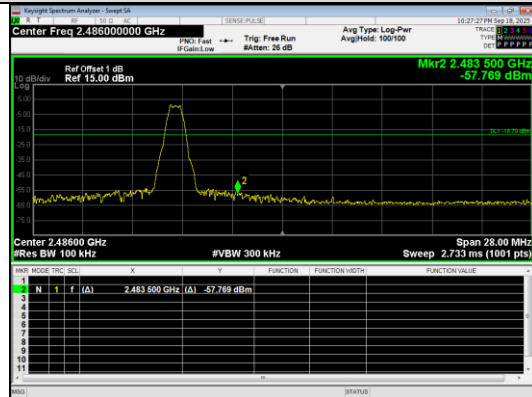
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2400.00	-56.060	-18.59	-37.470	PASS
		24988.8	-49.306	-18.59	-30.716	PASS
	19	24996.2	-49.803	-18.55	-31.253	PASS
	39	2483.50	-57.770	-18.79	-38.980	PASS
		24998.1	-49.119	-18.79	-30.329	PASS

Test Graphs

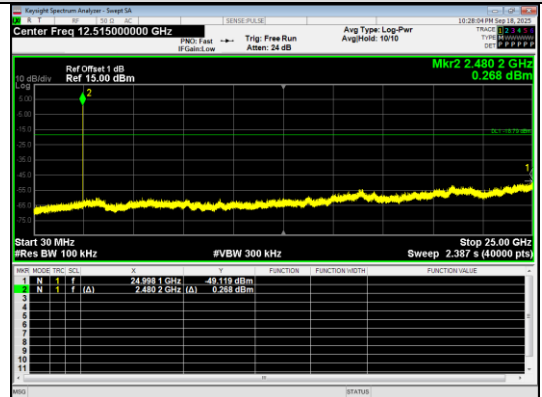


30.0 MHz - 25000.0 MHz BLE 1M_Channel 19



Out Of Band Emission BLE 1M_Channel 39

In-Band Reference Level BLE 1M_Channel 39



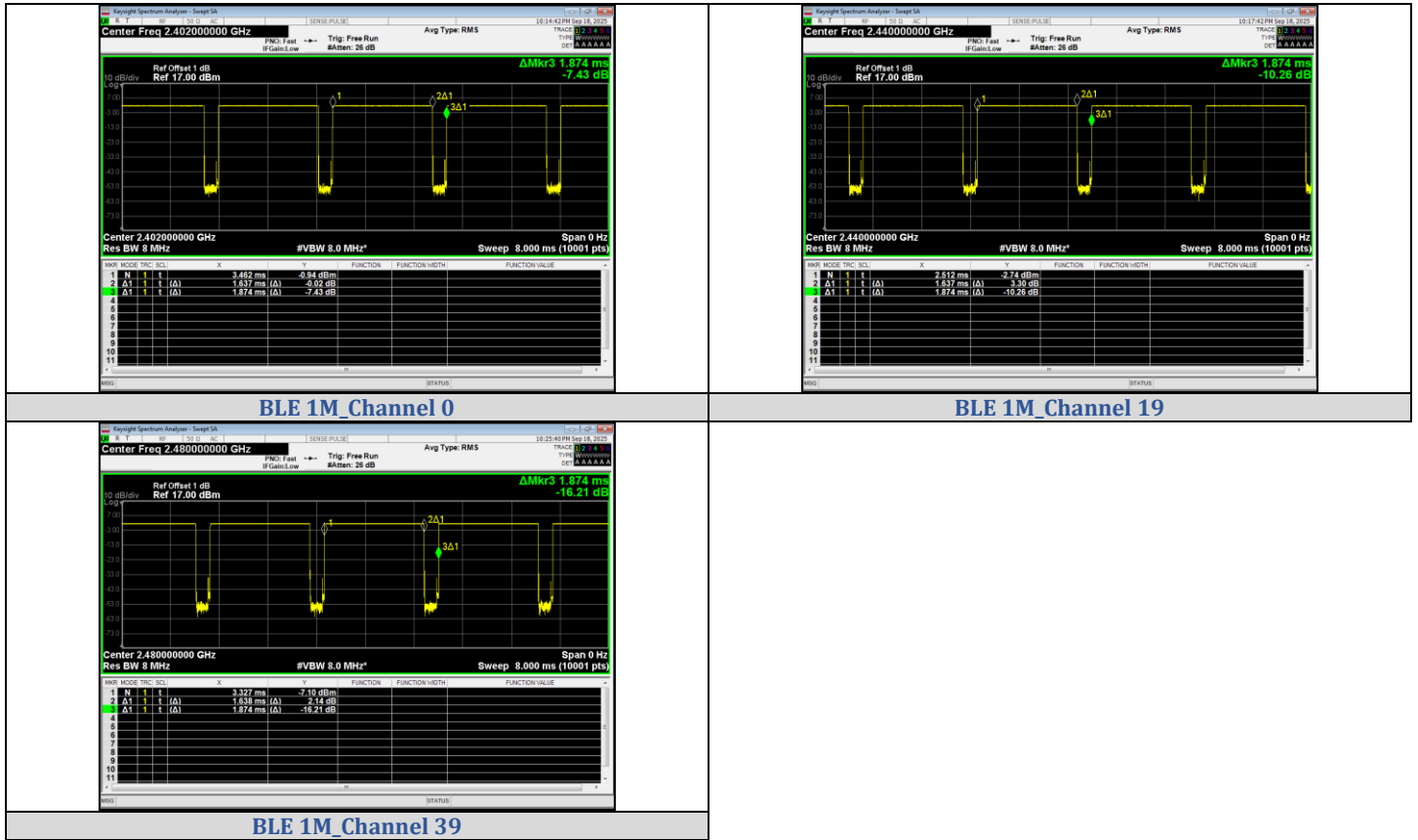
30.0 MHz - 25000.0 MHz BLE 1M_Channel 39

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	1.637	1.874	87.32	0.8732	0.5889	0.6109
	19	1.637	1.874	87.32	0.8732	0.5889	0.6109
	39	1.638	1.874	87.37	0.8737	0.5864	0.6105

Test Graphs



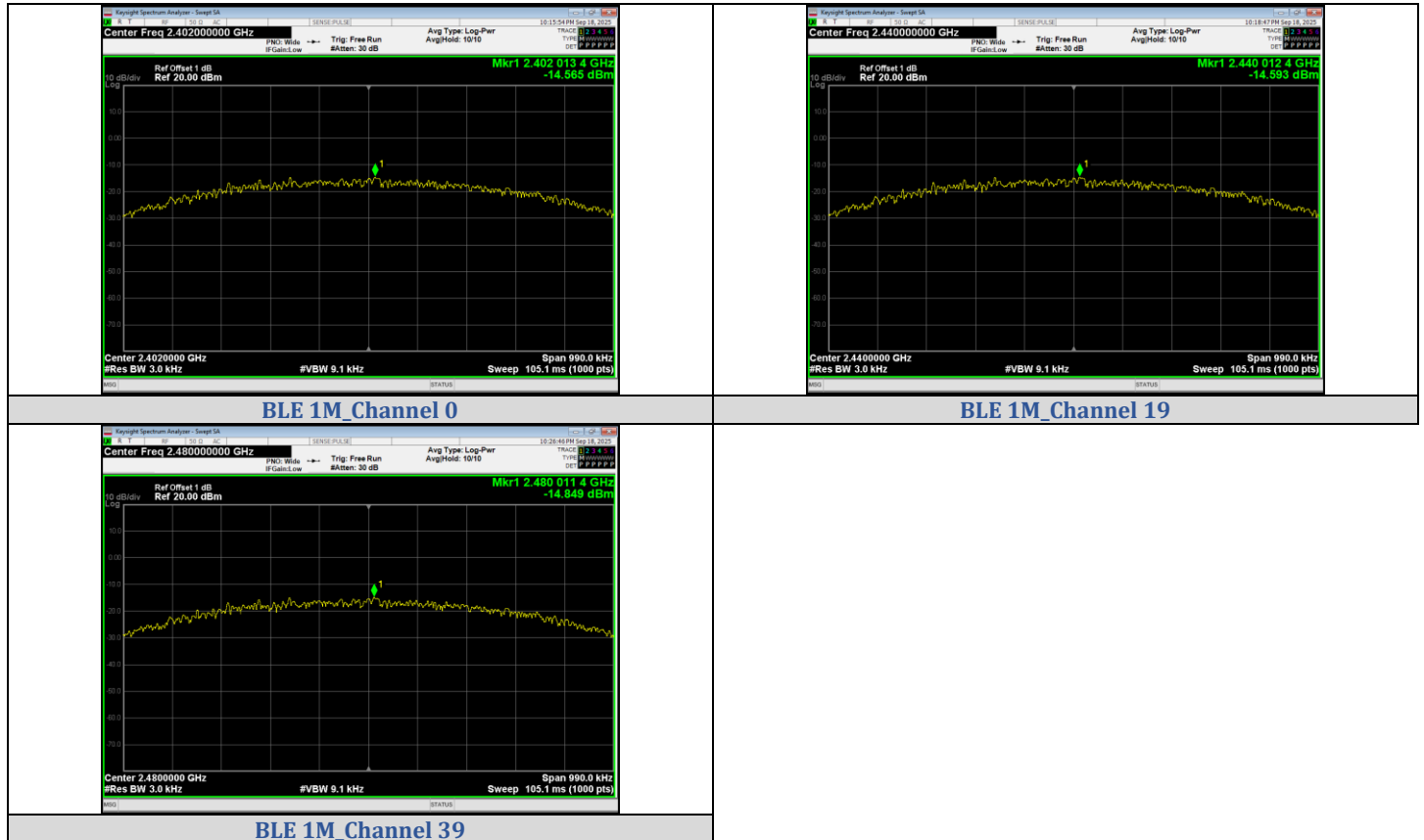


Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-14.560	≤ 8	PASS
BLE 1M	19	-14.590	≤ 8	PASS
BLE 1M	39	-14.850	≤ 8	PASS

Test Graphs



***** End of Report *****