

AppendixA:TestResultsofBluetoothBLE

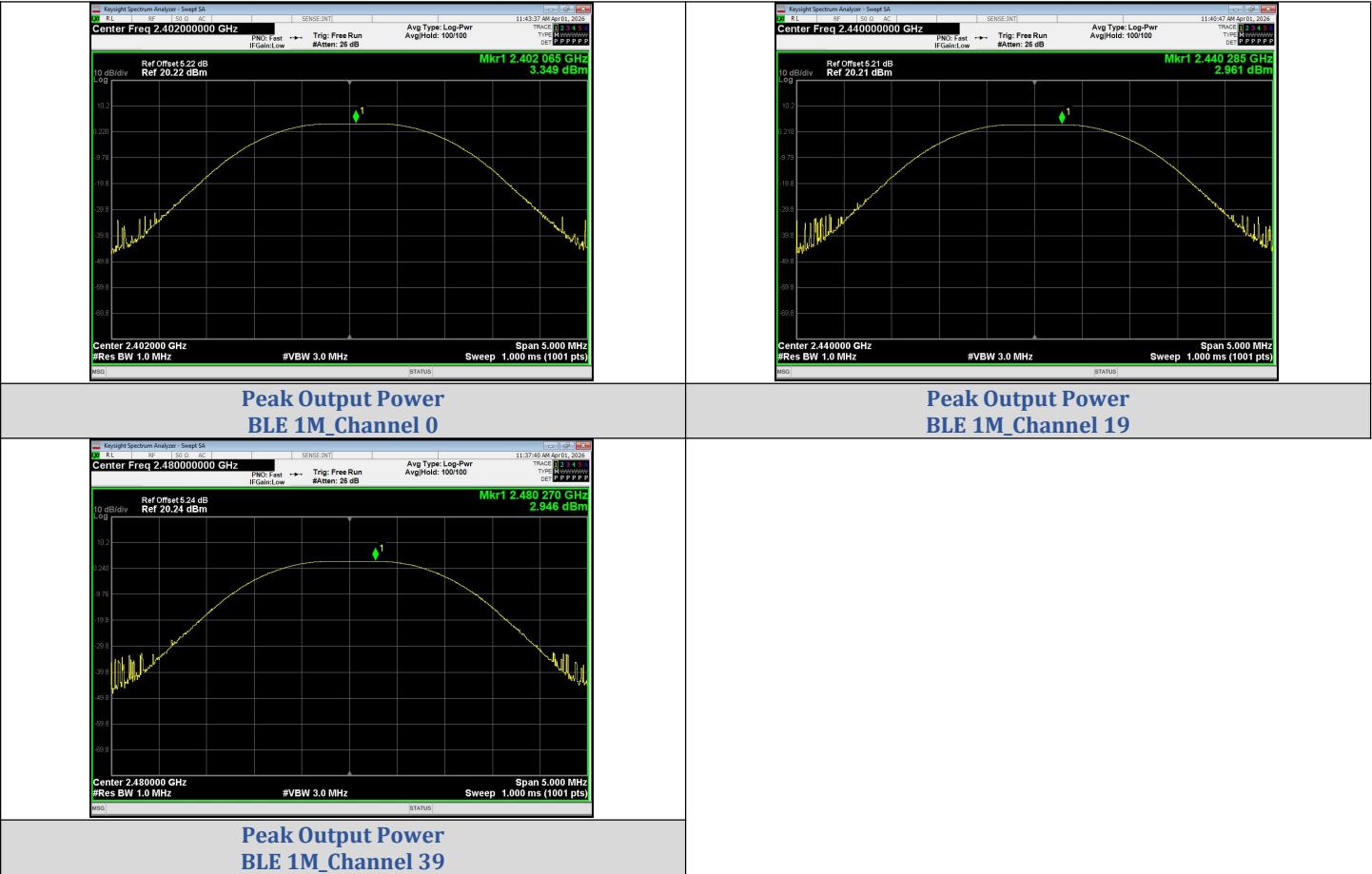
Conducted Output Power

Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
BLE 1M	0	3.35	2.16	None	≤30	PASS
	19	2.96	1.98	None	≤30	PASS
	39	2.95	1.97	None	≤30	PASS

Mode	Channel	Peak Output Power (dBm)	Peak Power Limit (dBm)	ISED EIRP (dBm)	ISED EIRP Limit (dBm)	Max. Avg. Power (dBm)	Result
BLE 1M	0	3.35	≤30	3.349	≤36.02	None	PASS
	19	2.96	≤30	2.961	≤36.02	None	PASS
	39	2.95	≤30	2.946	≤36.02	None	PASS

Test Graphs



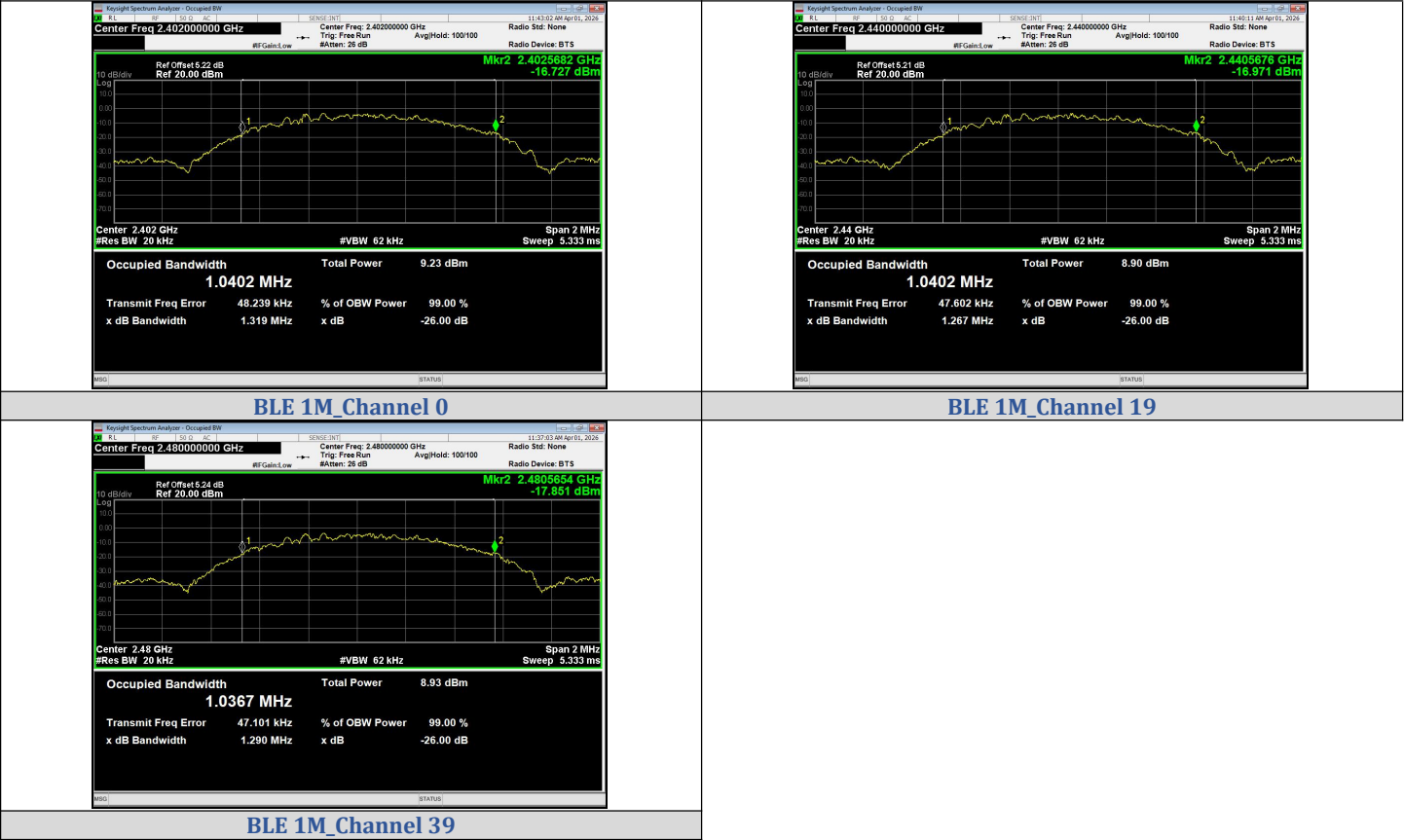
FCCID:2BVG5-YW01DF

99% Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0402
BLE 1M	19	2440	1.0402
BLE 1M	39	2480	1.0367

Test Graphs



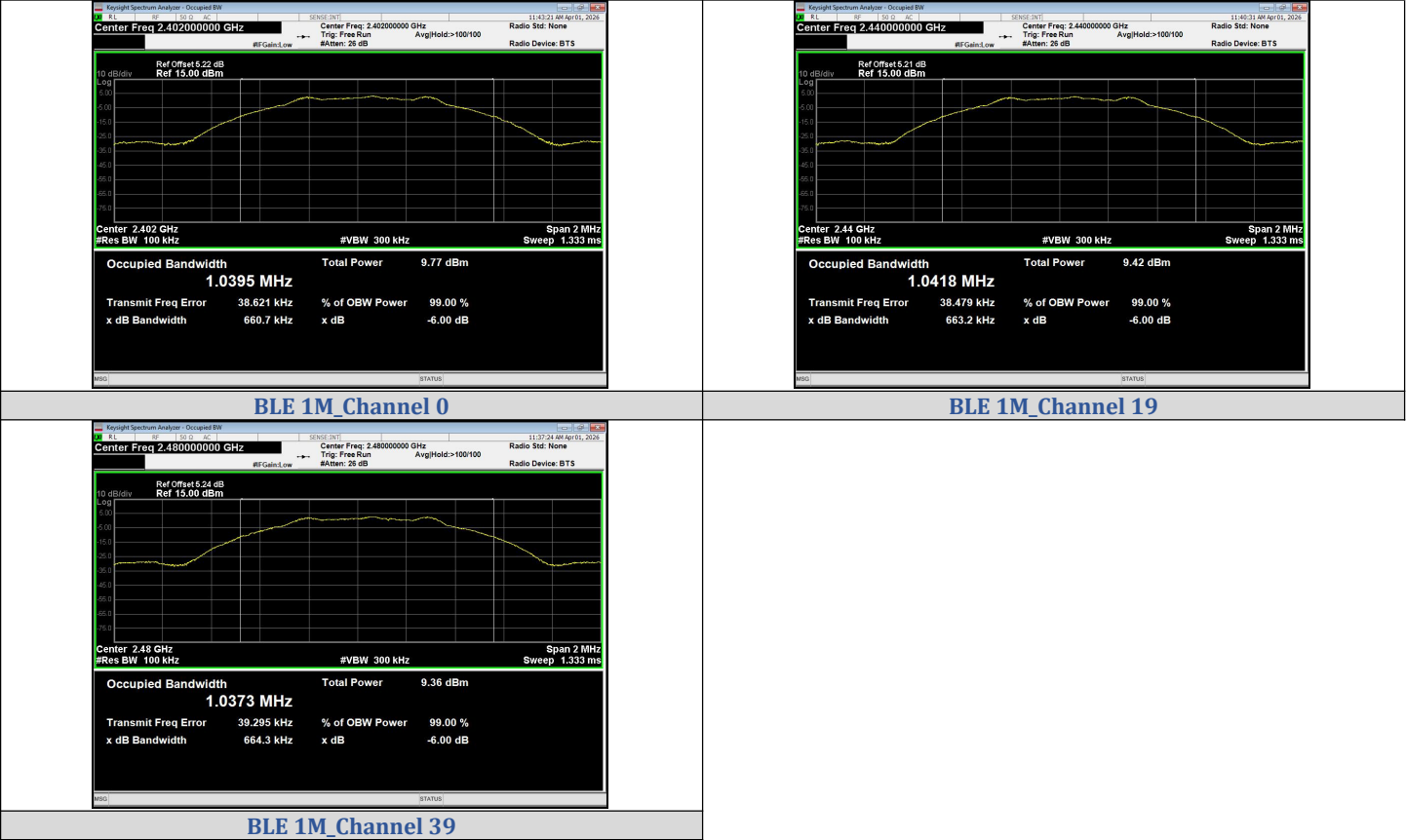
FCCID:2BVG5-YW01DF

6dB Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6607	≥0.5	PASS
	19	2440	0.6632		PASS
	39	2480	0.6643		PASS

Test Graphs

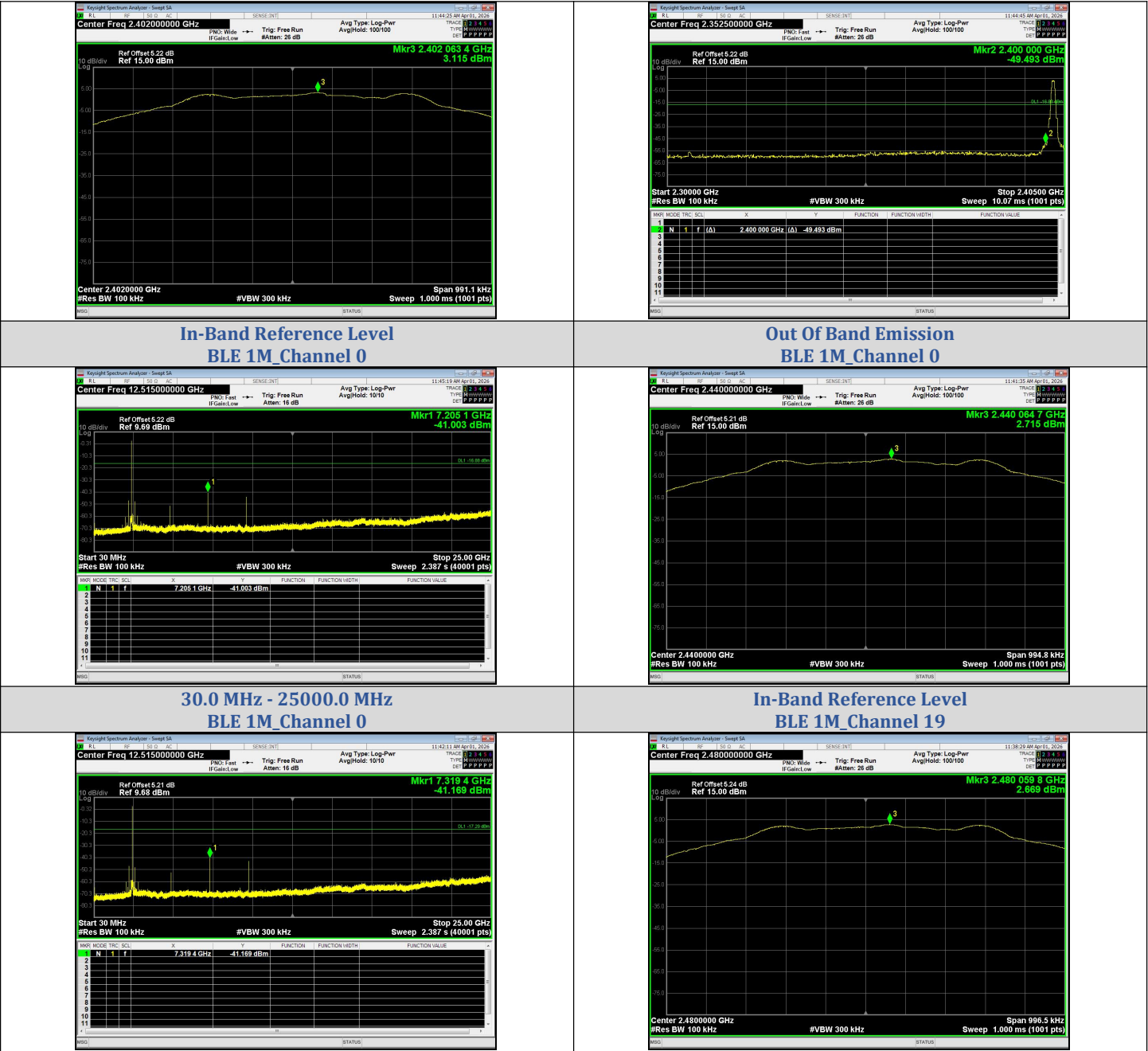


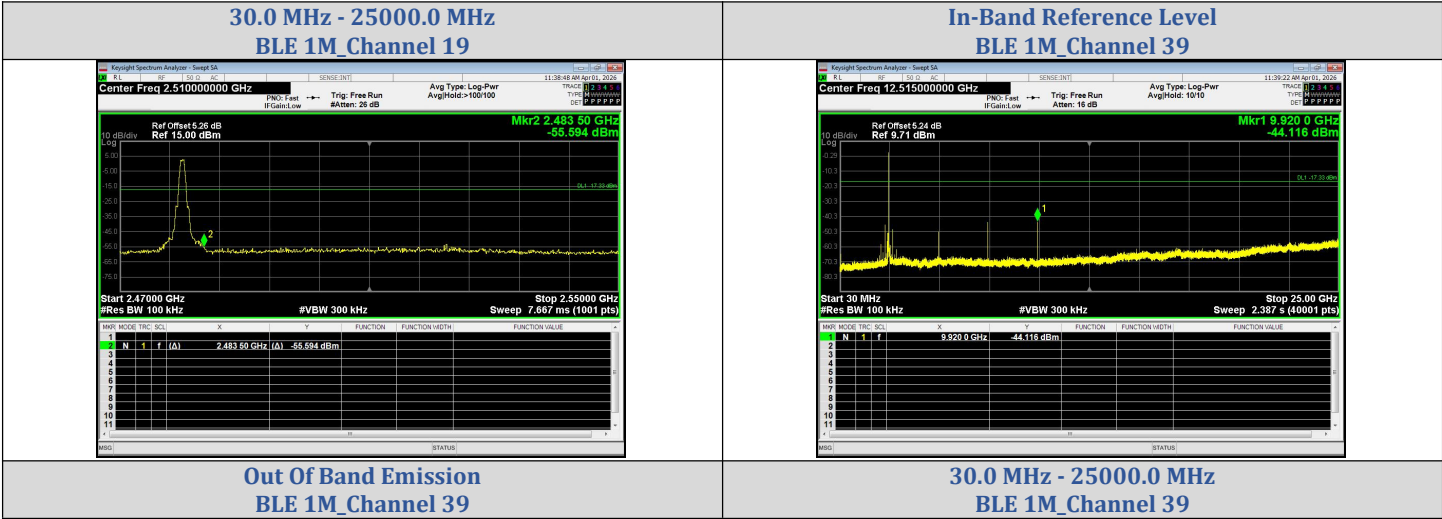
Conducted Spurious & Band Edge Emission
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2400.00	-49.493	-16.88	-32.613	PASS
		7205.13	-41.003	-16.88	-24.123	PASS
	19	7319.37	-41.169	-17.29	-23.879	PASS
	39	2483.50	-55.594	-17.33	-38.264	PASS
		9919.99	-44.116	-17.33	-26.786	PASS

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

Test Graphs

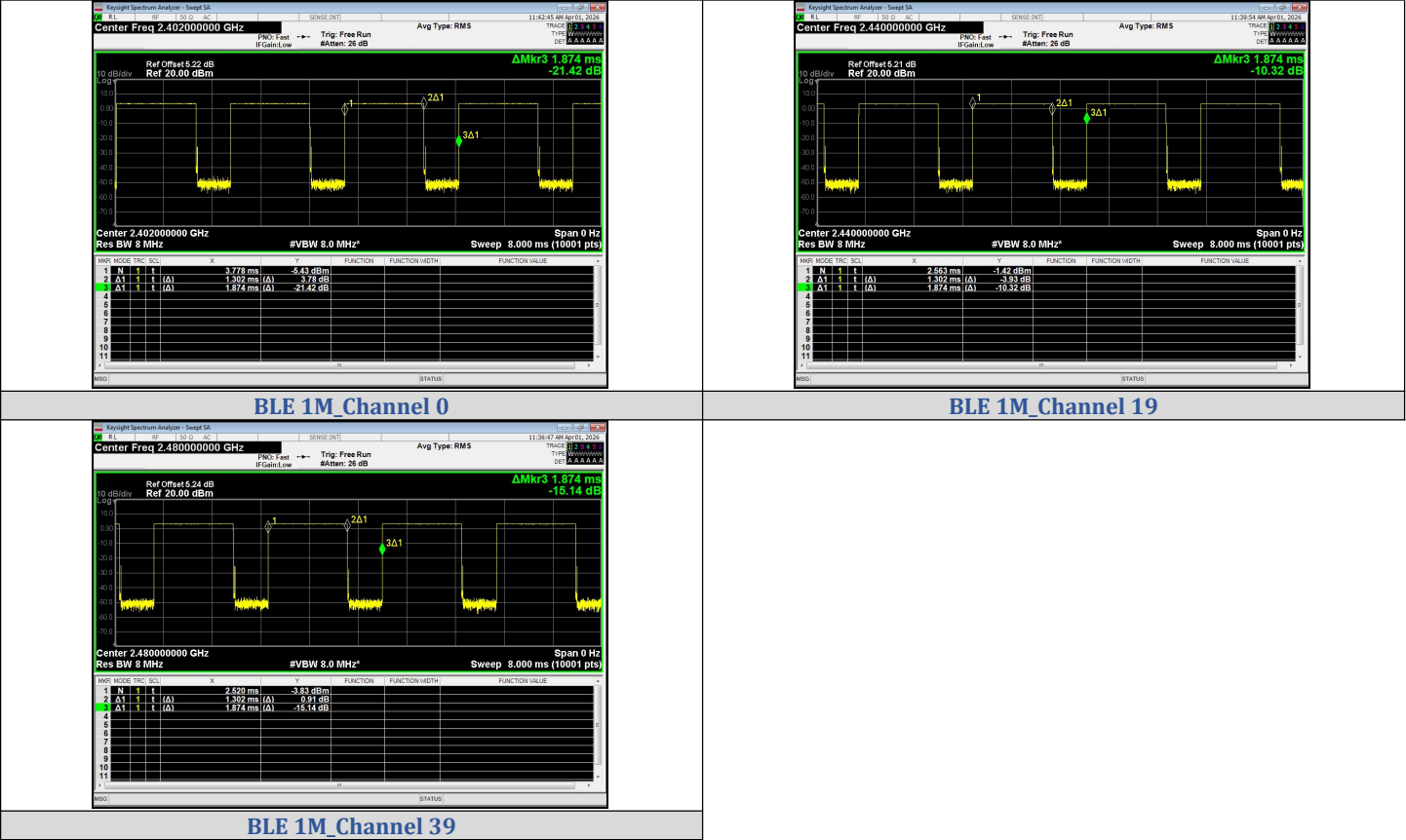




Duty Cycle
Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
BLE 1M	0	1.302	1.874	69.48	0.6948	1.5814	0.7680
	19	1.302	1.874	69.48	0.6948	1.5814	0.7680
	39	1.302	1.874	69.48	0.6948	1.5814	0.7680

Test Graphs



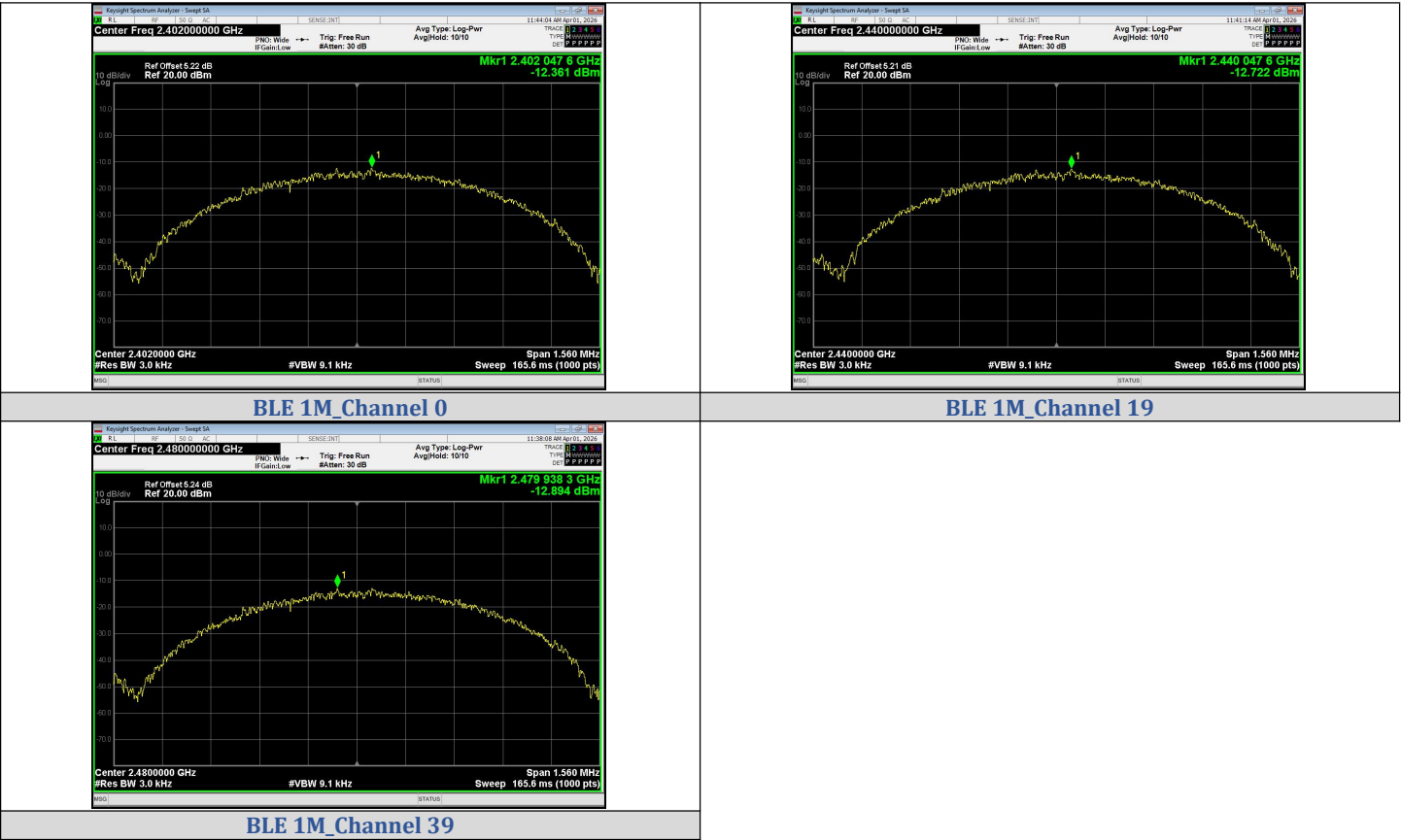
FCCID:2BVG5-YW01DF

Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-12.360	≤8	PASS
BLE 1M	19	-12.720	≤8	PASS
BLE 1M	39	-12.890	≤8	PASS

Test Graphs



FCCID:2BVG5-YW01DF