

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	2.126	2.499	85.08	0.8508	0.7017	0.4704
	19	2.126	2.499	85.08	0.8508	0.7017	0.4704
	39	2.126	2.499	85.08	0.8508	0.7017	0.4704
BLE 2M	0	1.070	1.874	57.09	0.5709	2.4344	0.9346
	19	1.070	1.874	57.09	0.5709	2.4344	0.9346
	39	1.070	1.874	57.09	0.5709	2.4344	0.9346

Test Graphs

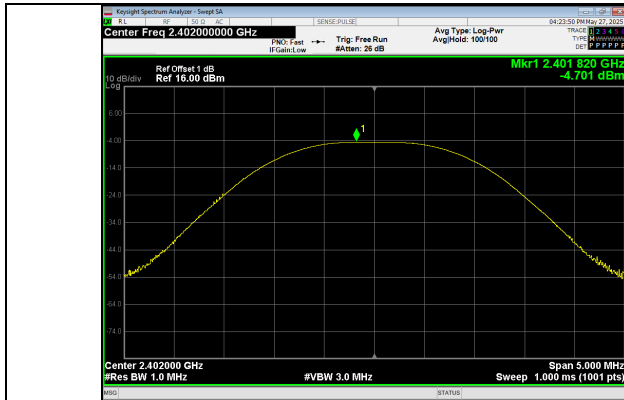


Conducted Output Power

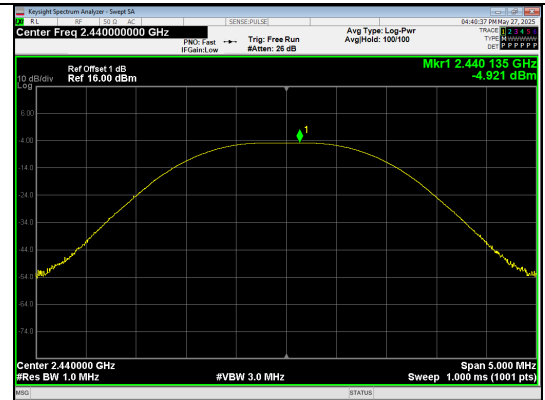
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
BLE 1M	0	-4.70	0.34	None	≤30	PASS
	19	-4.92	0.32	None	≤30	PASS
	39	-3.83	0.41	None	≤30	PASS
BLE 2M	0	-4.38	0.36	None	≤30	PASS
	19	-4.84	0.33	None	≤30	PASS
	39	-3.72	0.42	None	≤30	PASS

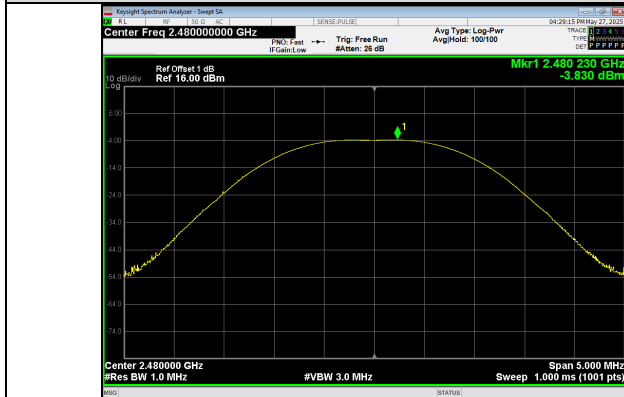
Test Graphs



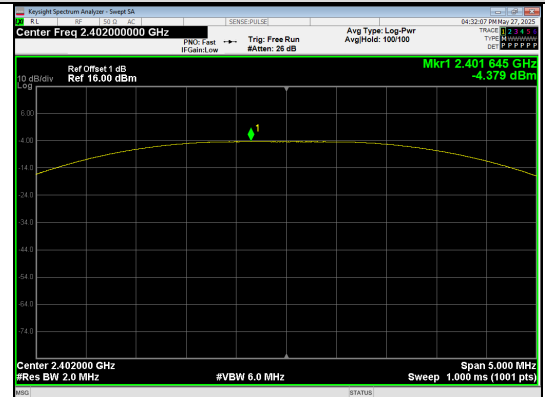
Peak Output Power
BLE 1M_Channel 0



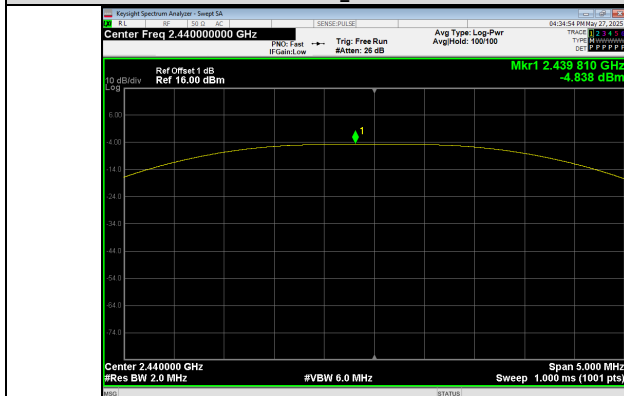
Peak Output Power
BLE 1M_Channel 19



Peak Output Power
BLE 1M_Channel 39



Peak Output Power
BLE 2M_Channel 0



Peak Output Power
BLE 2M_Channel 19



Peak Output Power
BLE 2M_Channel 39

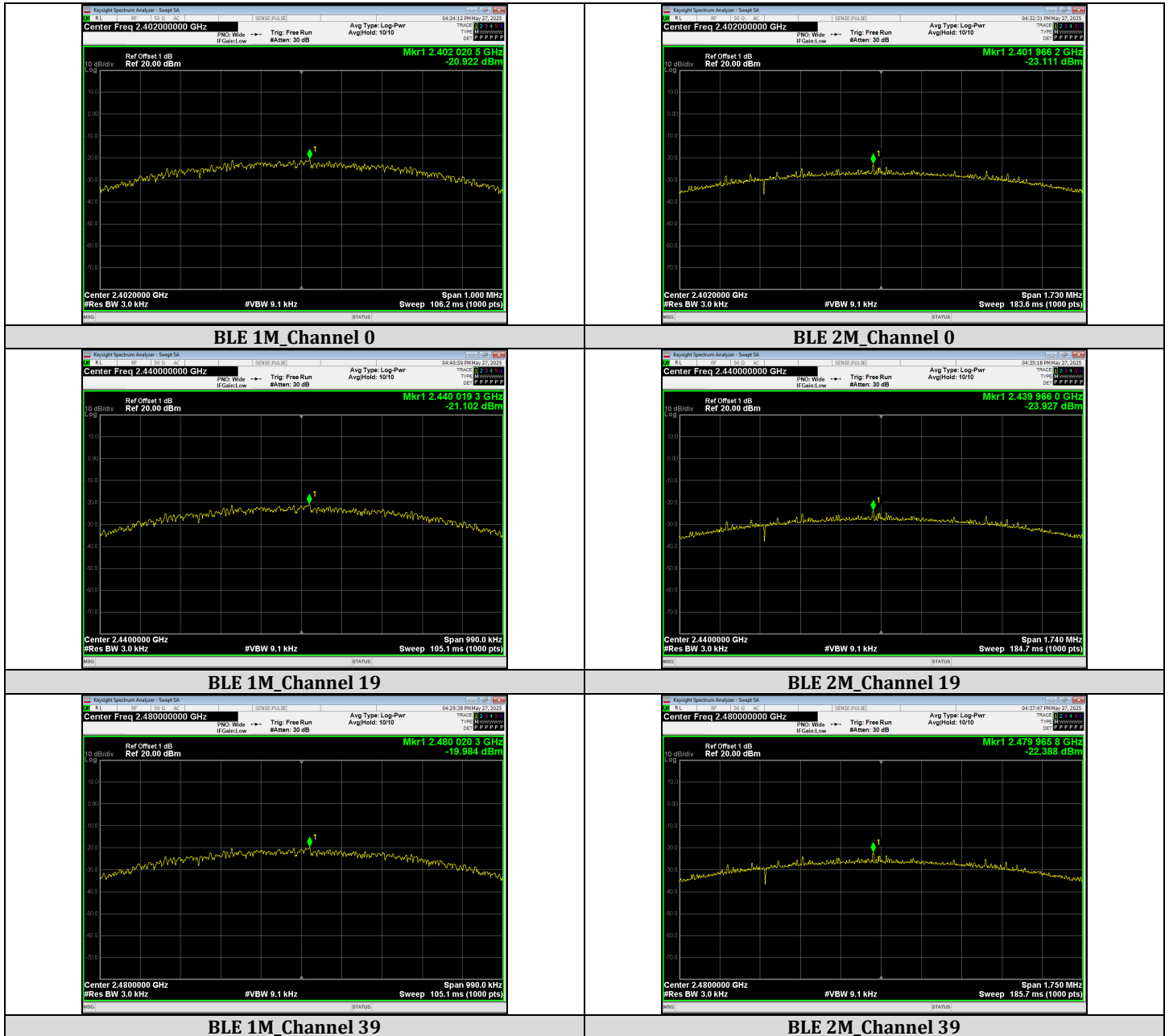


Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-20.922	≤8	PASS
BLE 1M	19	-21.102	≤8	PASS
BLE 1M	39	-19.984	≤8	PASS
BLE 2M	0	-23.111	≤8	PASS
BLE 2M	19	-23.927	≤8	PASS
BLE 2M	39	-22.388	≤8	PASS

Test Graphs



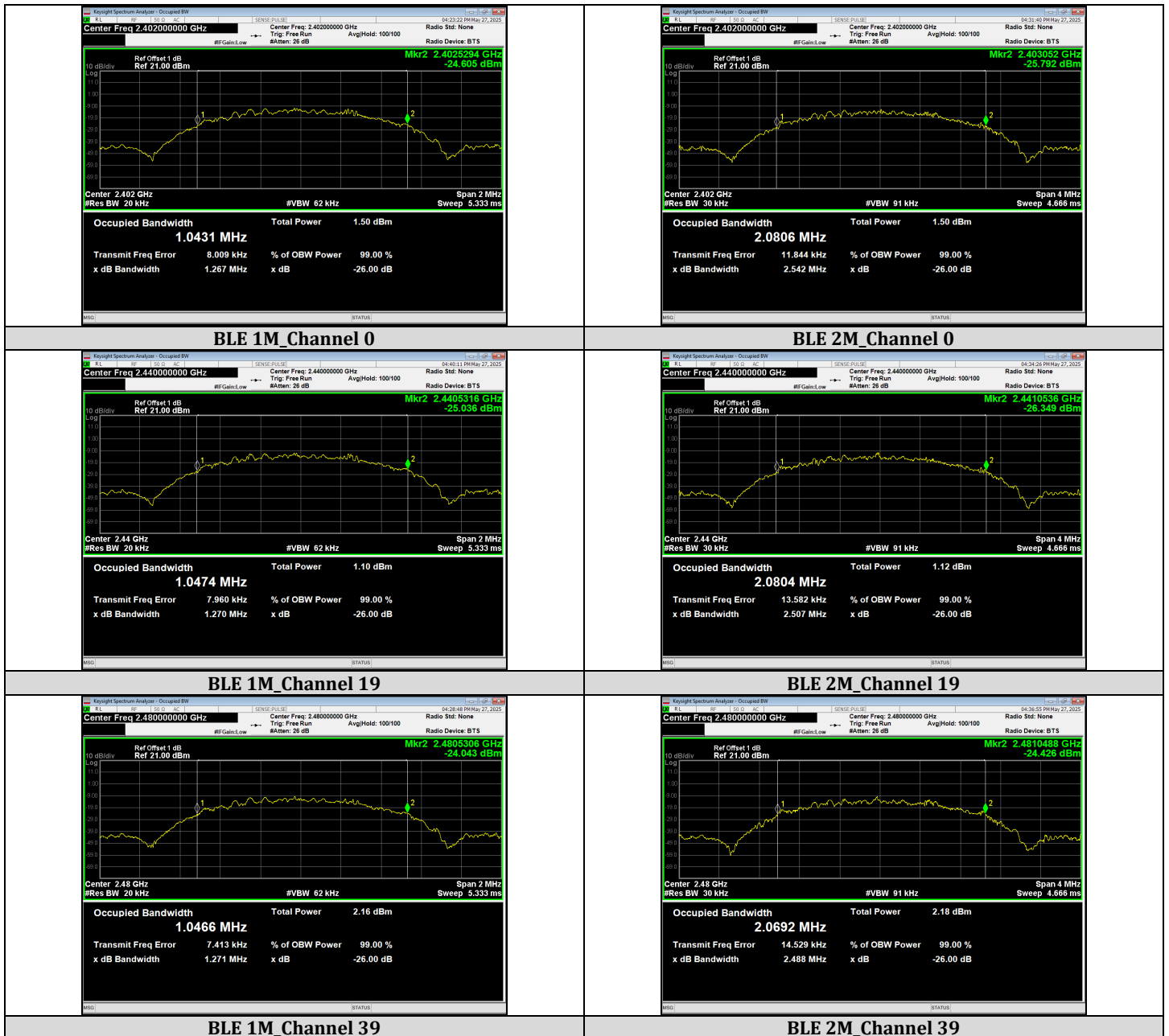
99% Bandwidth

Test Result



Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0431
BLE 1M	19	2440	1.0474
BLE 1M	39	2480	1.0466
BLE 2M	0	2402	2.0806
BLE 2M	19	2440	2.0804
BLE 2M	39	2480	2.0692

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	0.6596		PASS
	39	2480	0.6631		PASS
BLE 2M	0	2402	1.154		PASS
	19	2440	1.162		PASS
	39	2480	1.166		PASS

Test Graphs

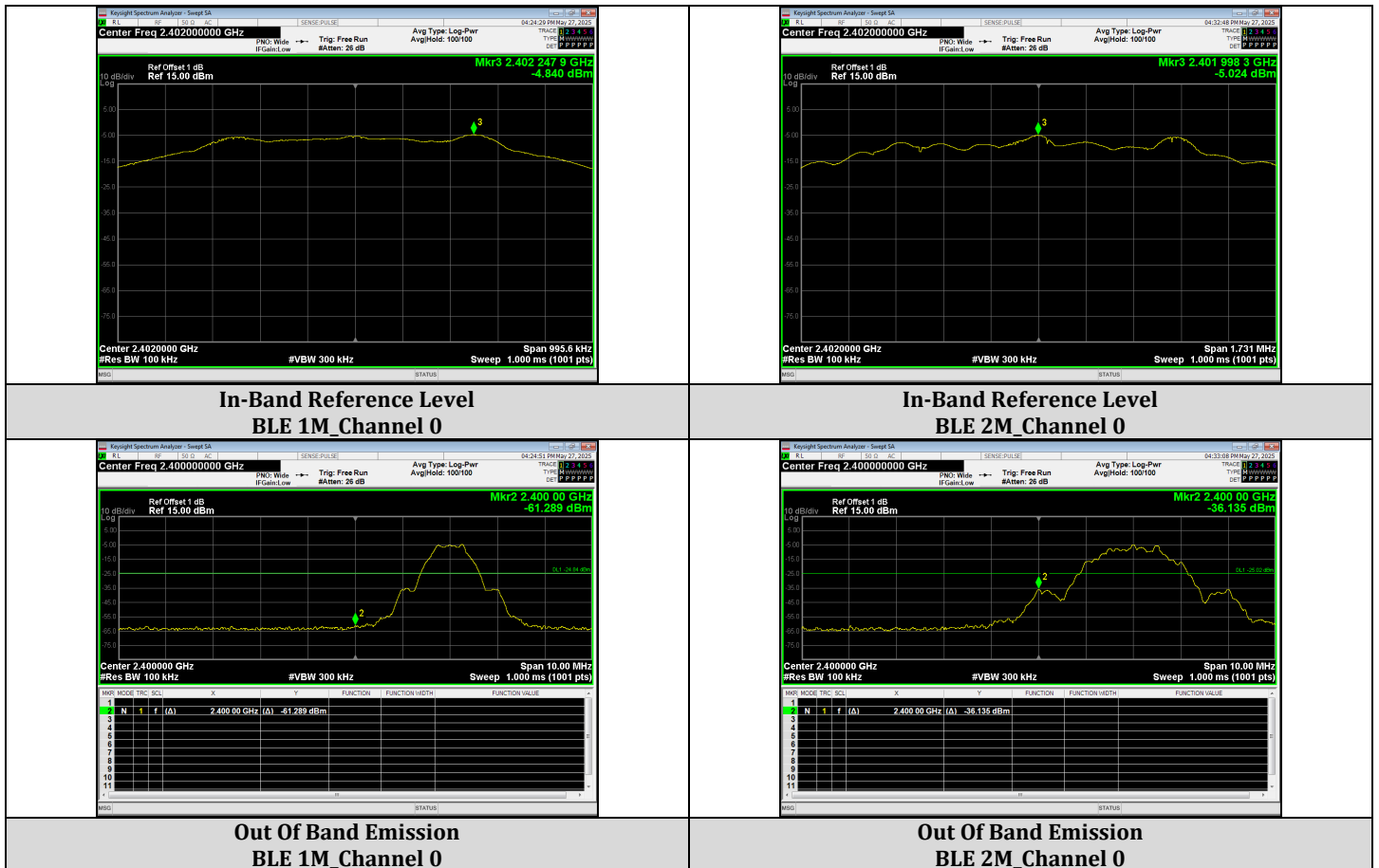


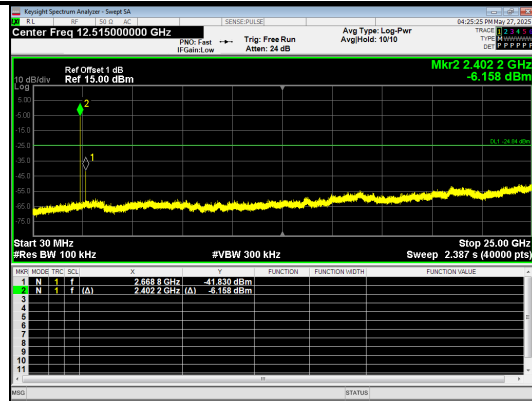
Conducted Out Of Band Emission

Test Result

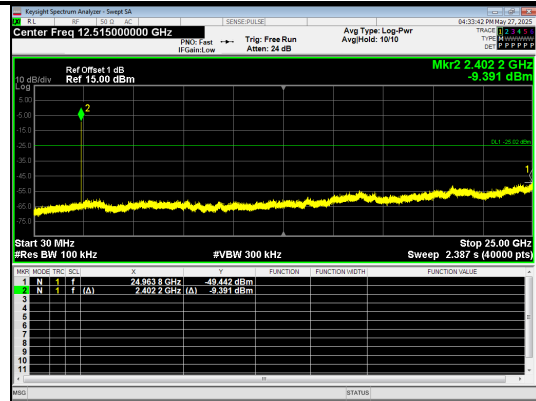
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2400.00	-61.289	-24.84	-36.449	PASS
		2668.77	-41.830	-24.84	-16.990	PASS
	19	2590.74	-27.624	-24.97	-2.654	PASS
	39	2483.50	-63.476	-23.89	-39.586	PASS
		24992.5	-49.797	-23.89	-25.907	PASS
BLE 2M	0	2400.00	-36.135	-25.02	-11.115	PASS
		24963.8	-49.442	-25.02	-24.422	PASS
	19	1763.59	-42.608	-25.47	-17.138	PASS
	39	1746.11	-44.227	-24.34	-19.887	PASS
		2483.50	-62.515	-24.34	-38.175	PASS

Test Graphs

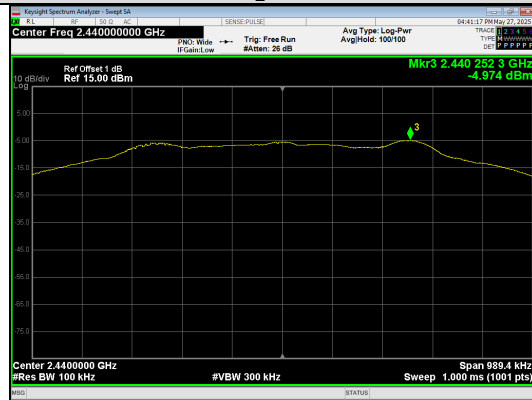




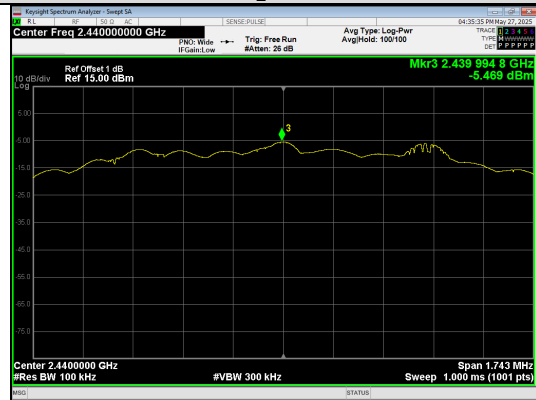
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0



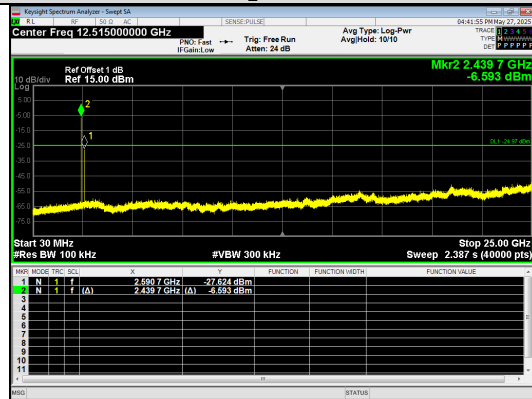
30.0 MHz - 25000.0 MHz
BLE 2M_Channel 0



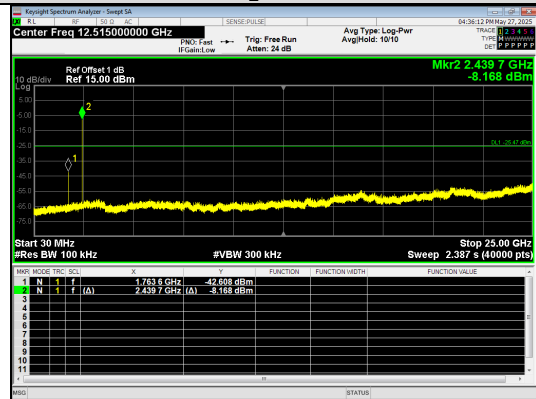
In-Band Reference Level
BLE 1M_Channel 19



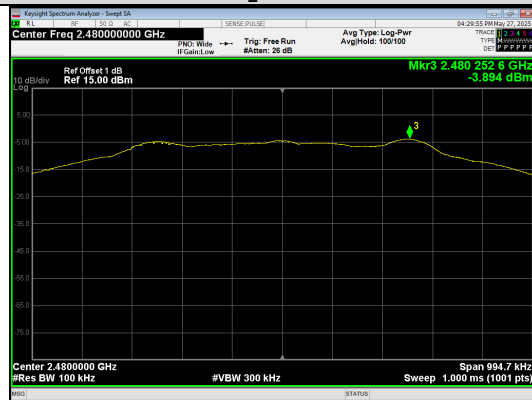
In-Band Reference Level
BLE 2M_Channel 19



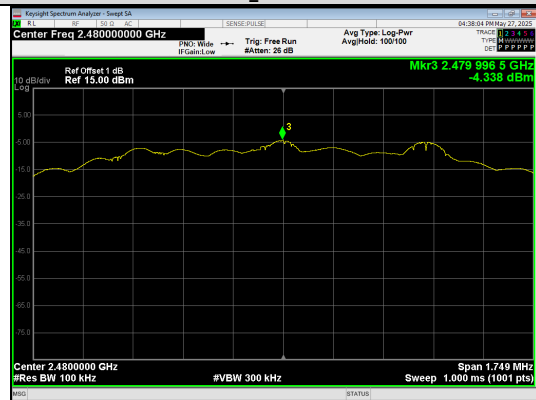
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



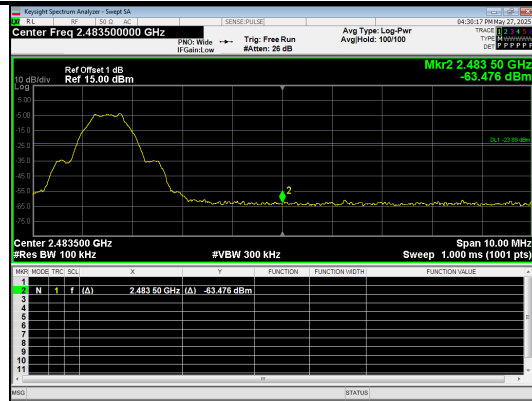
30.0 MHz - 25000.0 MHz
BLE 2M_Channel 19



In-Band Reference Level
BLE 1M_Channel 39



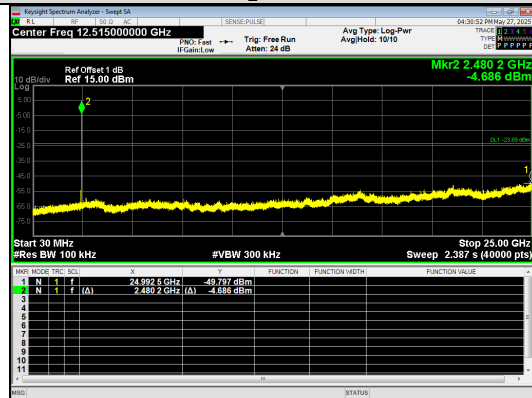
In-Band Reference Level
BLE 2M_Channel 39



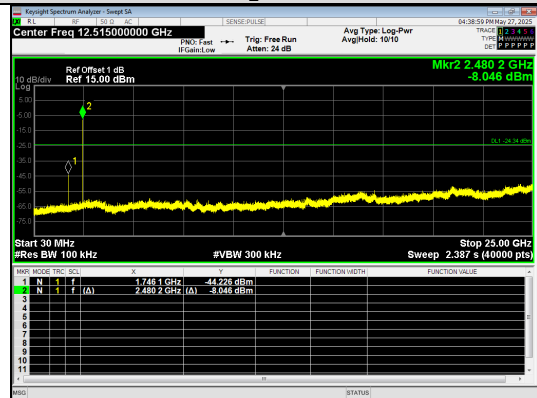
Out Of Band Emission
BLE 1M_Channel 39



Out Of Band Emission
BLE 2M_Channel 39



30.0 MHz - 25000.0 MHz
BLE 1M_Channel 39



30.0 MHz - 25000.0 MHz
BLE 2M_Channel 39

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