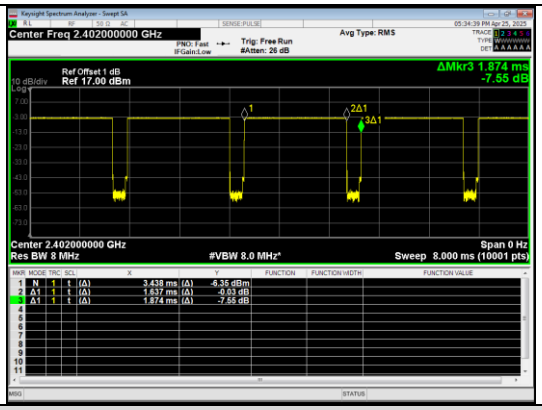
Duty Cycle

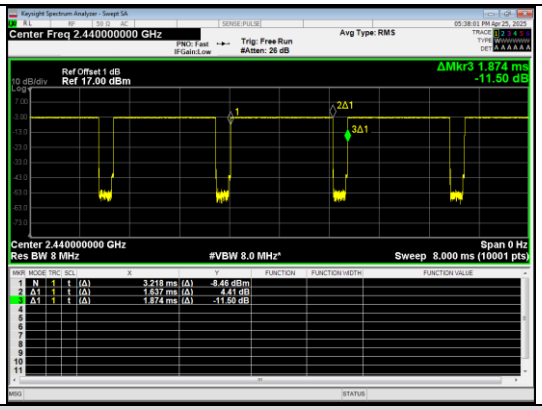
Test Result

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	1.637	1.874	87.36	0.8736	0.5869	0.6109
BLE 2M	0	0.824	1.250	65.91	0.6591	1.8105	1.2136
	19	0.824	1.250	65.91	0.6591	1.8105	1.2136
	39	0.823	1.250	65.88	0.6588	1.8125	1.2151

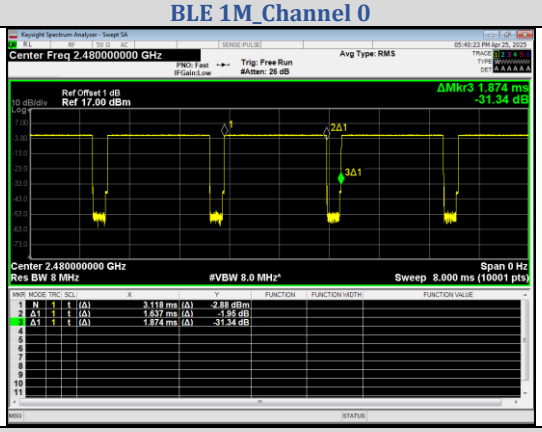
Test Graphs



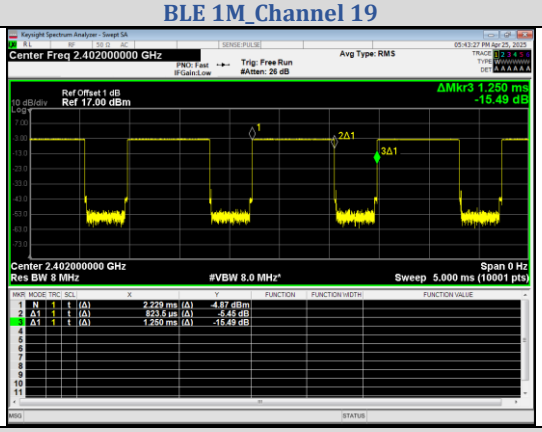
BLE 1M_Channel 0



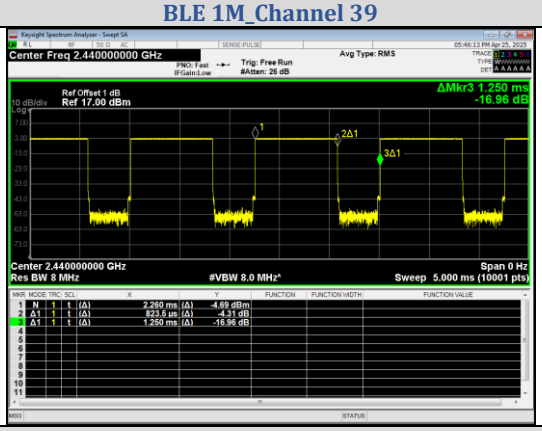
BLE 1M_Channel 19



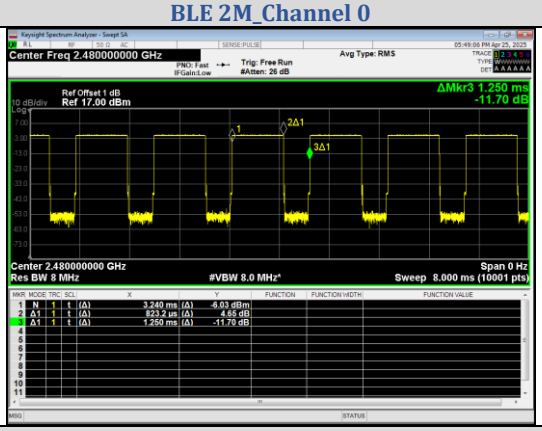
BLE 1M_Channel 39



BLE 2M_Channel 0



BLE 2M_Channel 19



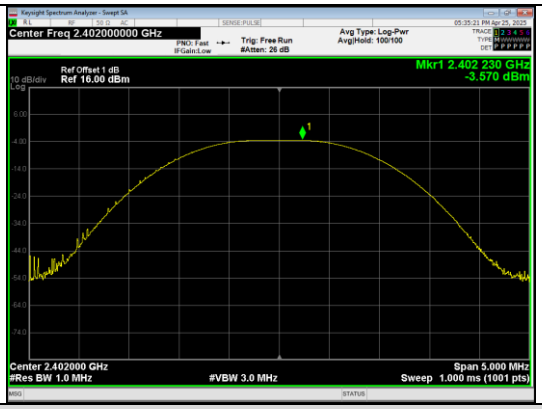
BLE 2M_Channel 39

Conducted Output Power

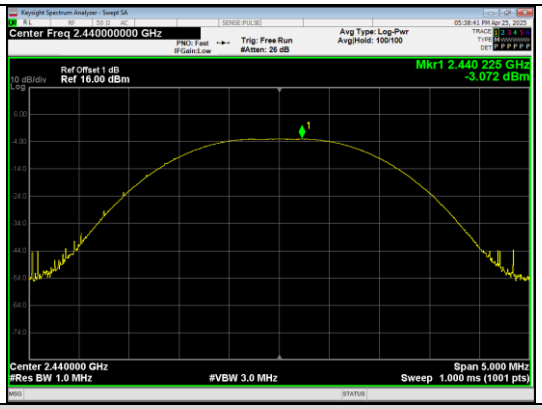
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	-3.57	0.44	≤30	PASS
	19	-3.07	0.49	≤30	PASS
	39	-0.78	0.84	≤30	PASS
BLE 2M	0	-3.46	0.45	≤30	PASS
	19	-3.04	0.5	≤30	PASS
	39	-0.75	0.84	≤30	PASS

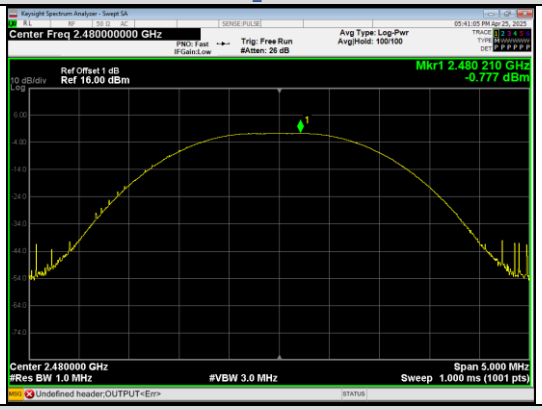
Test Graphs



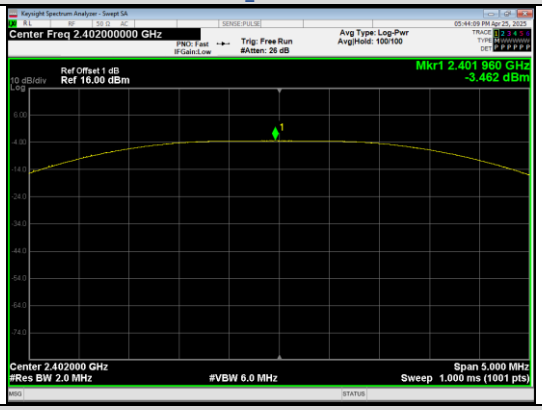
Peak Output Power
BLE 1M_Channel 0



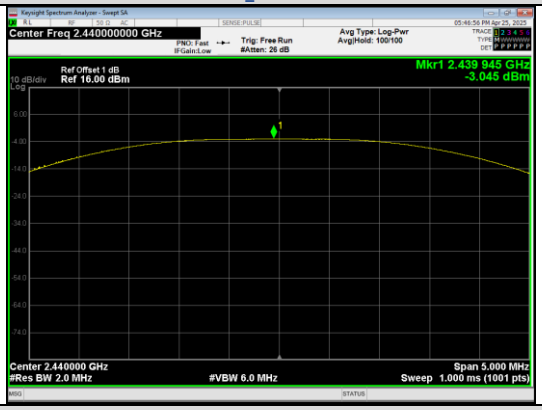
Peak Output Power
BLE 1M_Channel 19



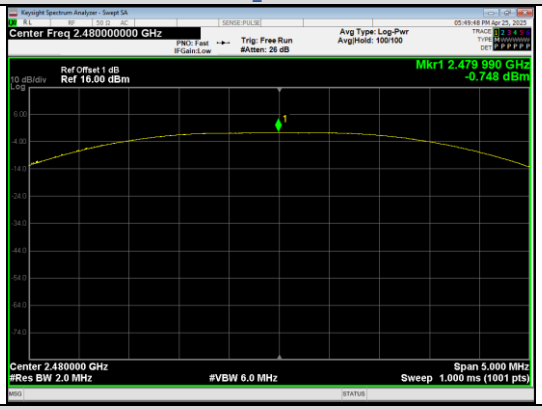
Peak Output Power
BLE 1M_Channel 39



Peak Output Power
BLE 2M_Channel 0



Peak Output Power
BLE 2M_Channel 19



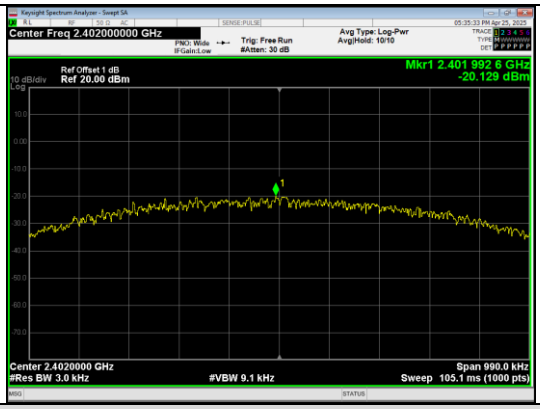
Peak Output Power
BLE 2M_Channel 39

Power Spectral Density

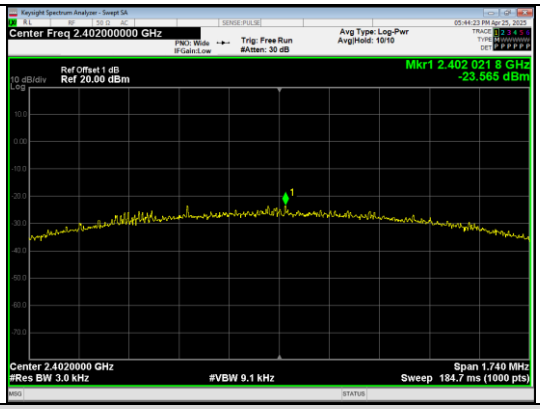
Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-20.129	≤8	PASS
BLE 1M	19	-19.501	≤8	PASS
BLE 1M	39	-17.078	≤8	PASS
BLE 2M	0	-23.565	≤8	PASS
BLE 2M	19	-22.950	≤8	PASS
BLE 2M	39	-20.600	≤8	PASS

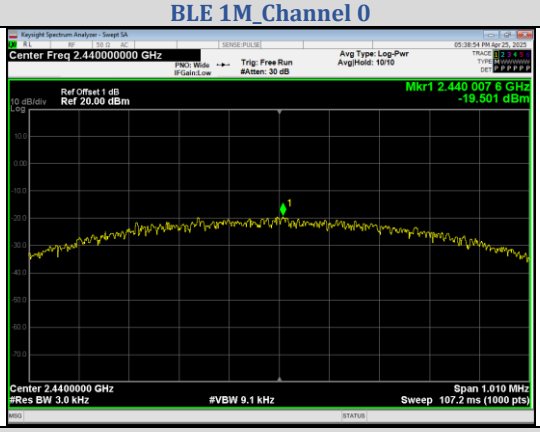
Test Graphs



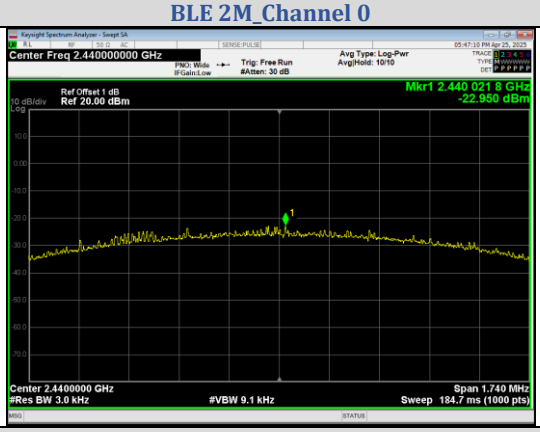
BLE 1M_Channel 0



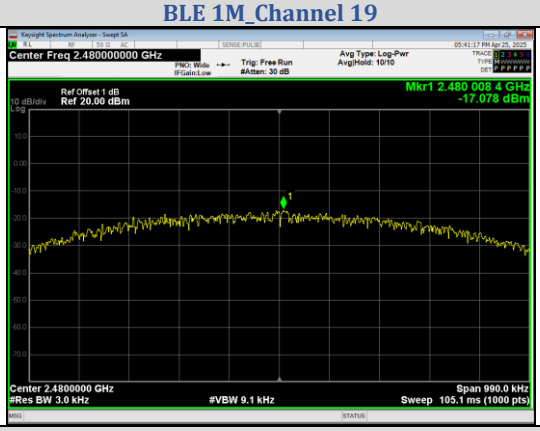
BLE 2M_Channel 0



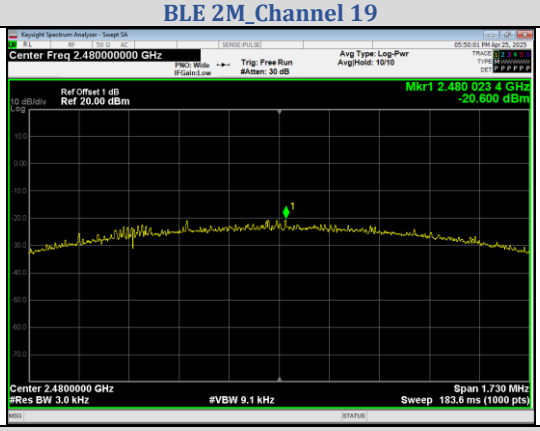
BLE 1M_Channel 19



BLE 2M_Channel 19



BLE 1M_Channel 39



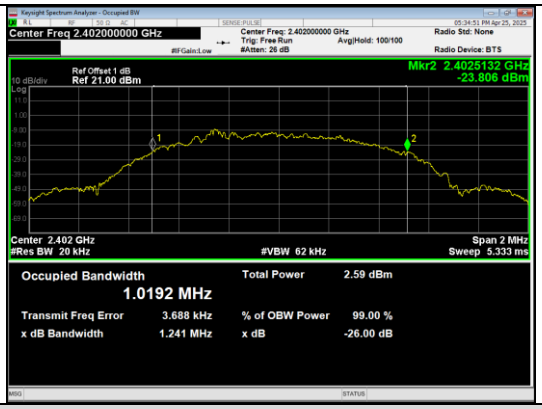
BLE 2M_Channel 39

99% Bandwidth

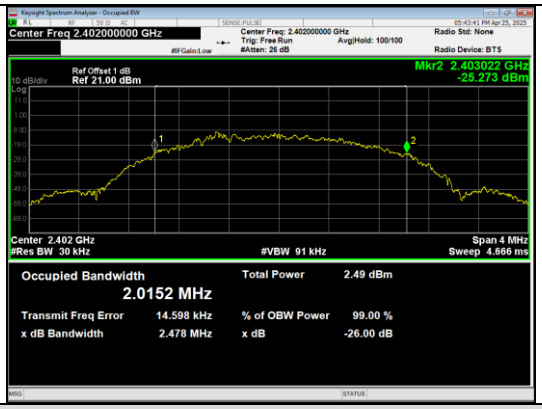
Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0192
BLE 1M	19	2440	1.0182
BLE 1M	39	2480	1.0236
BLE 2M	0	2402	2.0152
BLE 2M	19	2440	2.0328
BLE 2M	39	2480	2.0238

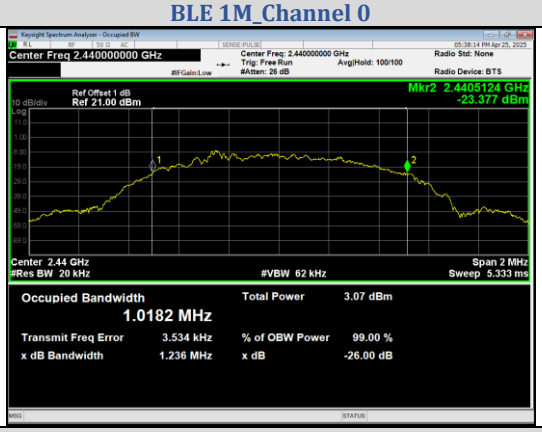
Test Graphs



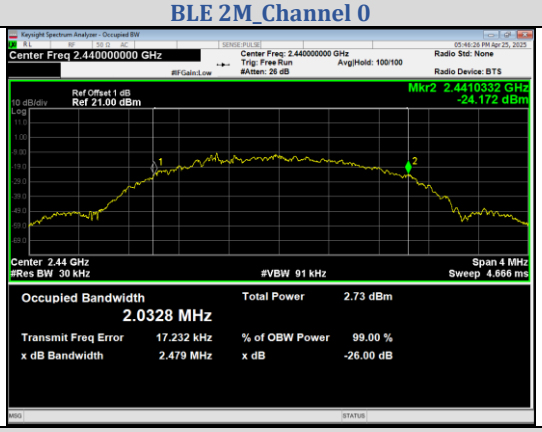
BLE 1M_Channel 0



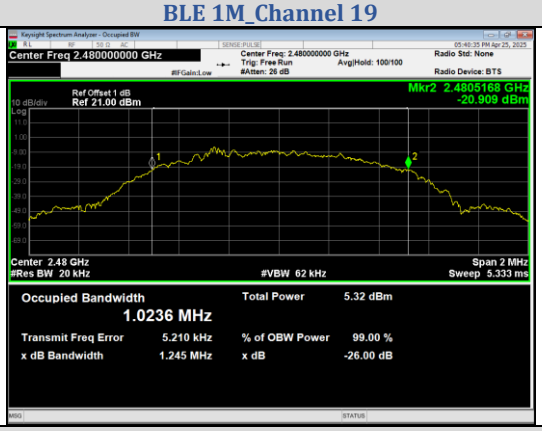
BLE 2M_Channel 0



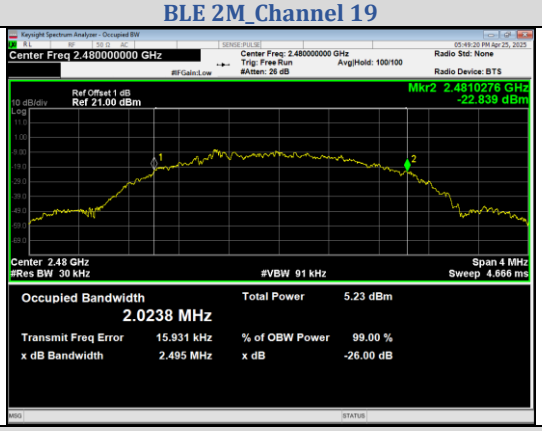
BLE 1M_Channel 19



BLE 2M_Channel 19



BLE 1M_Channel 39



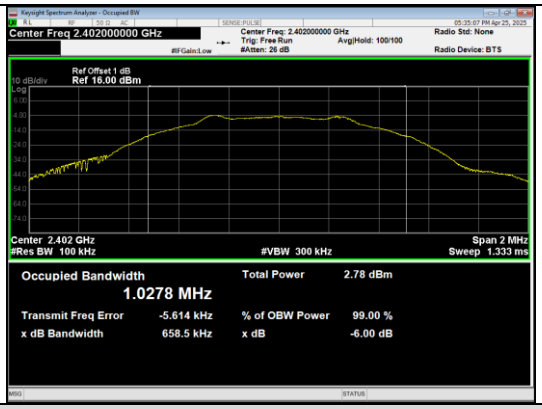
BLE 2M_Channel 39

6dB Bandwidth

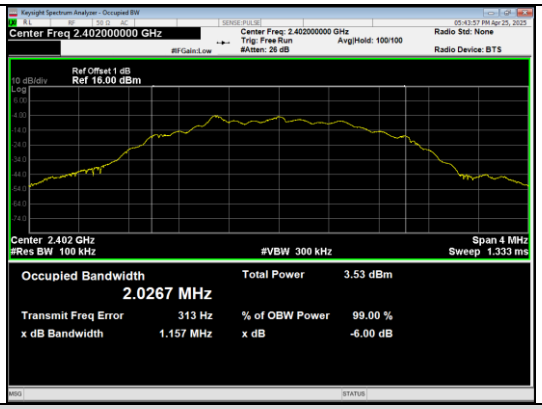
Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6585	≥0.5	PASS
	19	2440	0.6704		PASS
	39	2480	0.6582		PASS
BLE 2M	0	2402	1.157		PASS
	19	2440	1.157		PASS
	39	2480	1.156		PASS

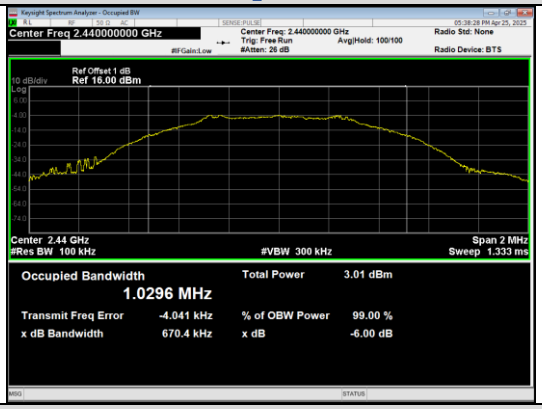
Test Graphs



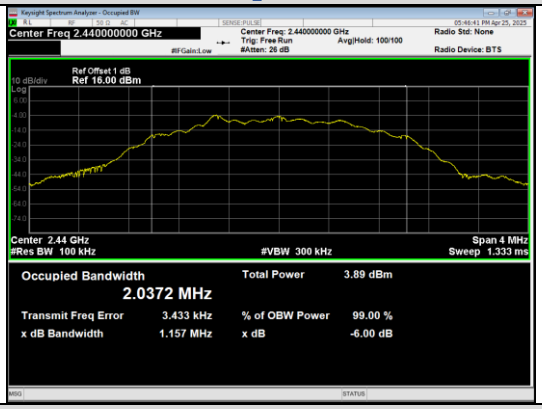
BLE 1M_Channel 0



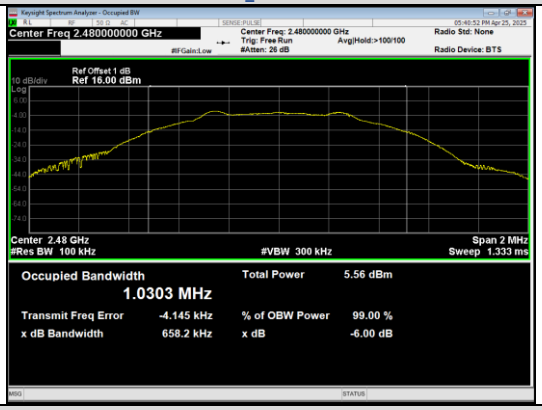
BLE 2M_Channel 0



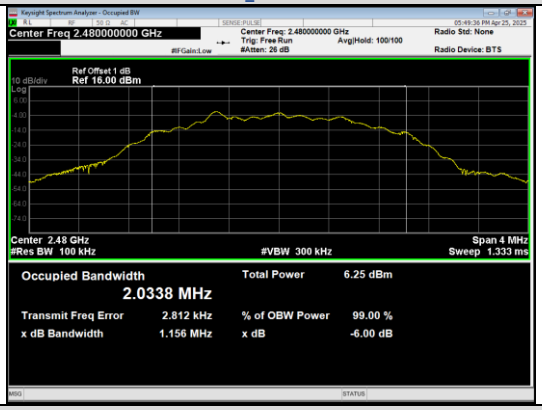
BLE 1M_Channel 19



BLE 2M_Channel 19



BLE 1M_Channel 39



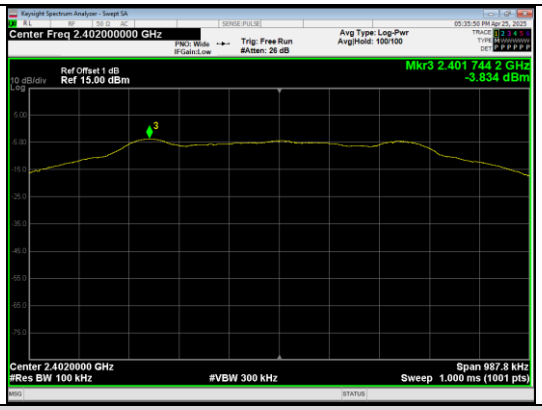
BLE 2M_Channel 39

Conducted Out Of Band Emission

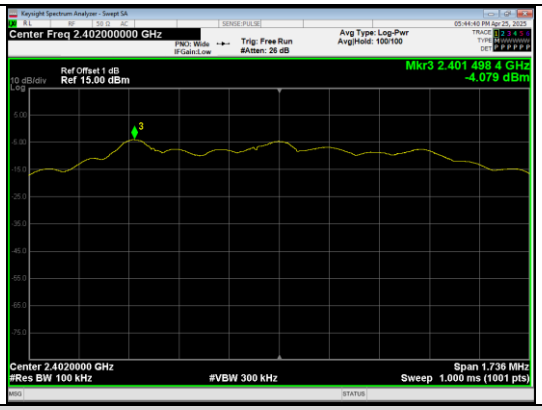
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2396.89	-60.862	-23.83	-37.032	PASS
		2400.00	-62.831	-23.83	-39.001	PASS
		2645.70	-41.427	-23.83	-17.597	PASS
	19	24397.0	-48.986	-23.35	-25.636	PASS
	39	2483.50	-61.043	-21.12	-39.923	PASS
		24936.3	-49.502	-21.12	-28.382	PASS
BLE 2M	0	2400.00	-51.532	-24.08	-27.452	PASS
		24578.6	-49.185	-24.08	-25.105	PASS
	19	24468.8	-50.307	-23.66	-26.647	PASS
	39	2483.50	-61.644	-21.35	-40.294	PASS
		2631.31	-34.929	-21.35	-13.579	PASS

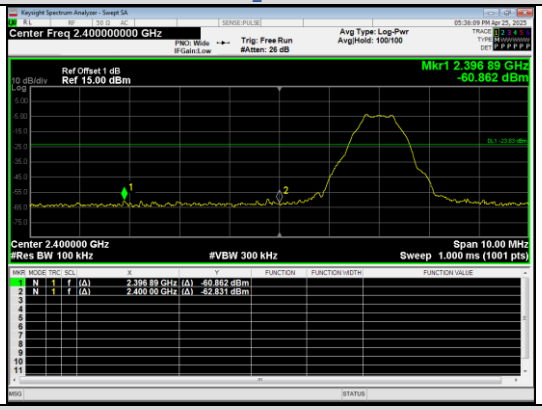
Test Graphs



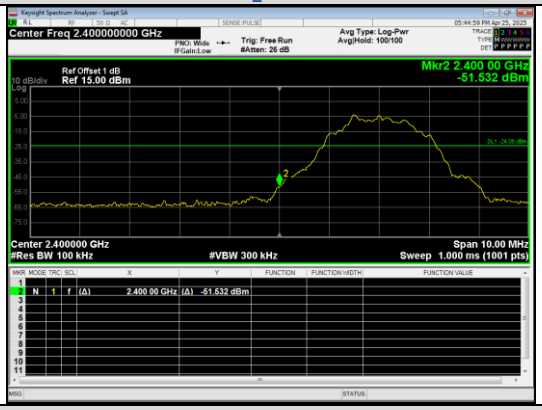
In-Band Reference Level
BLE 1M_Channel 0



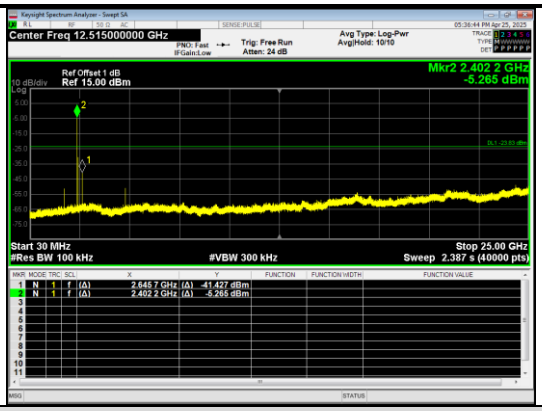
In-Band Reference Level
BLE 2M_Channel 0



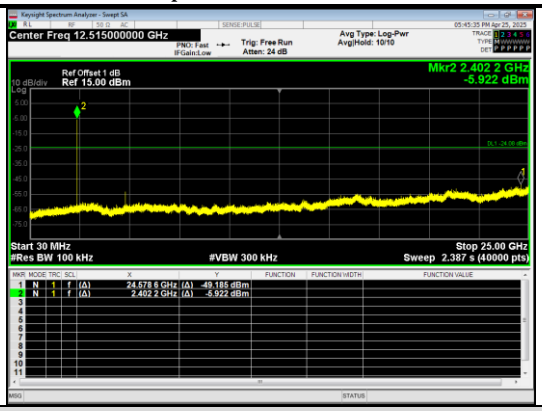
Out Of Band Emission
BLE 1M_Channel 0



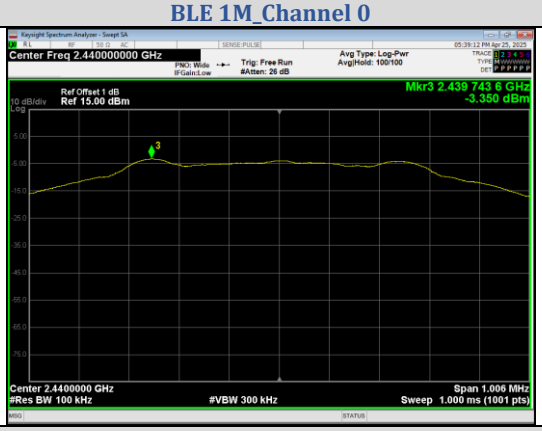
Out Of Band Emission
BLE 2M_Channel 0



30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0

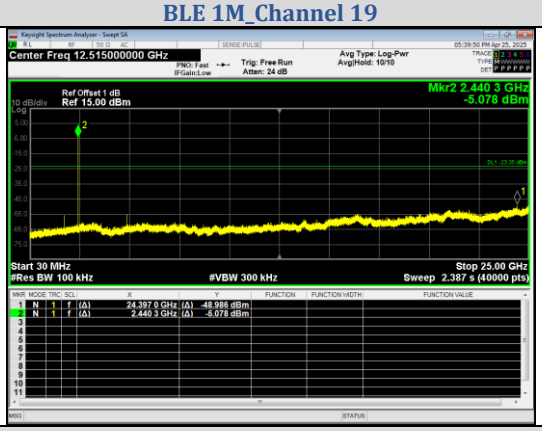


30.0 MHz - 25000.0 MHz
BLE 2M_Channel 0

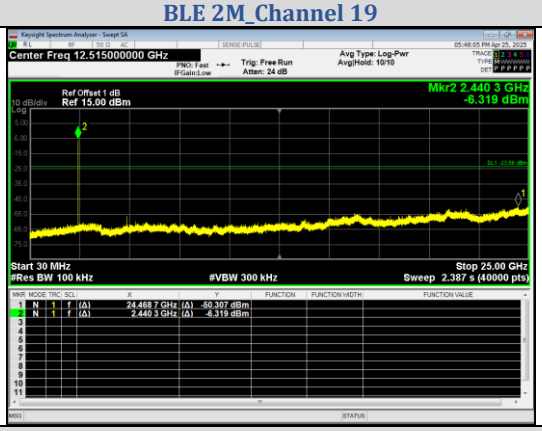


In-Band Reference Level
BLE 1M_Channel 19

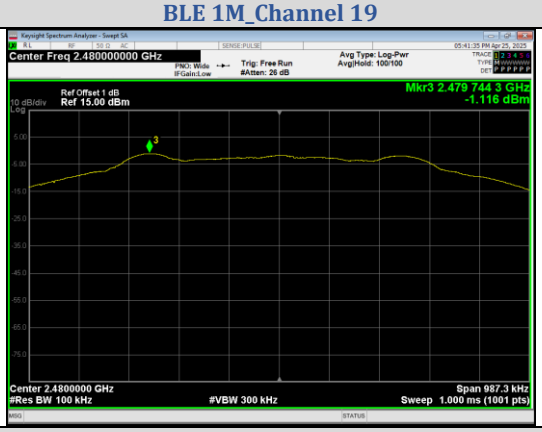
In-Band Reference Level
BLE 2M_Channel 19



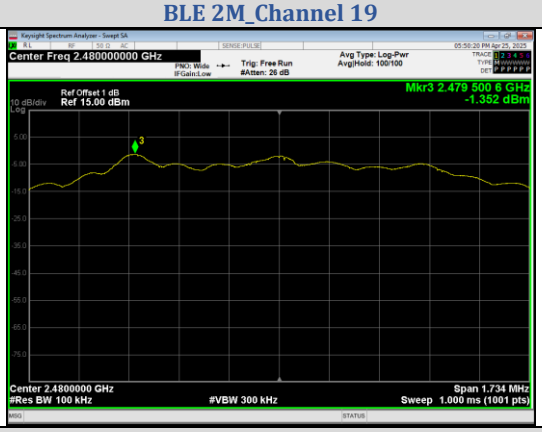
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



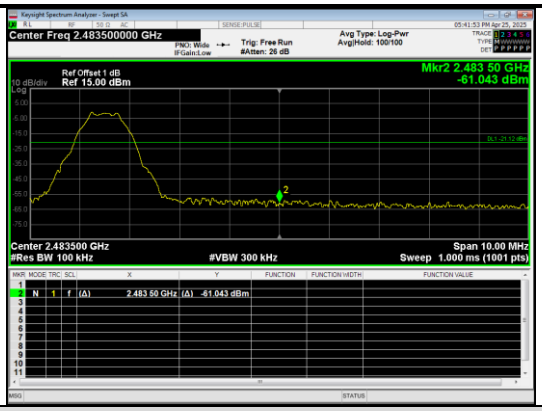
30.0 MHz - 25000.0 MHz
BLE 2M_Channel 19



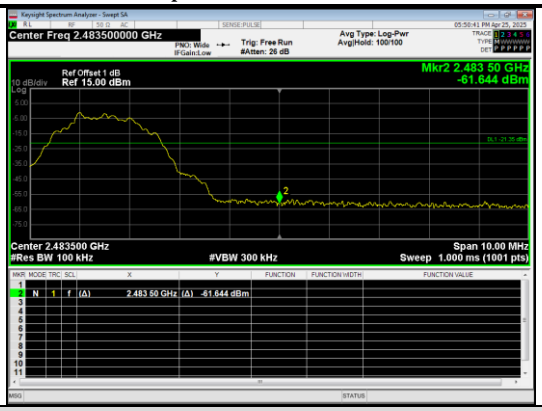
In-Band Reference Level
BLE 1M_Channel 39



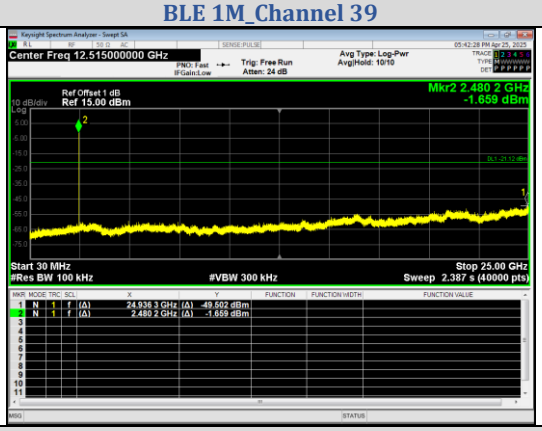
In-Band Reference Level
BLE 2M_Channel 39



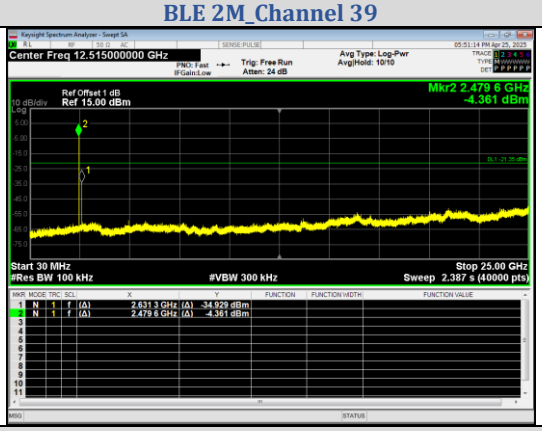
Out Of Band Emission
BLE 1M_Channel 39



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 **********