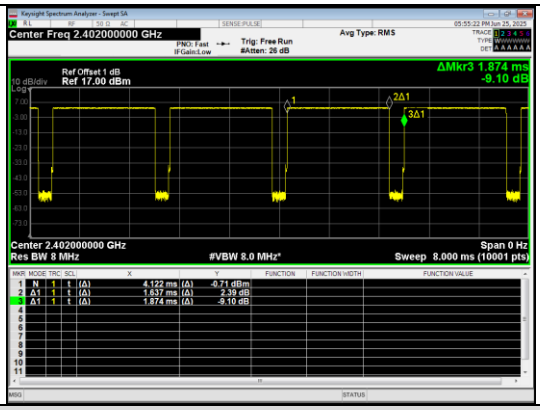
Duty Cycle

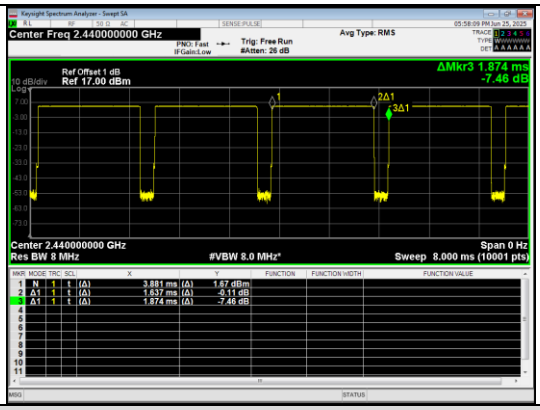
Test Result

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	87.32	0.8732	0.5889	0.6109
BLE 2M	0	0.823	1.249	65.92	0.6592	1.8098	1.2151
	19	0.823	1.249	65.92	0.6592	1.8098	1.2151
	39	0.823	1.249	65.92	0.6592	1.8098	1.2151

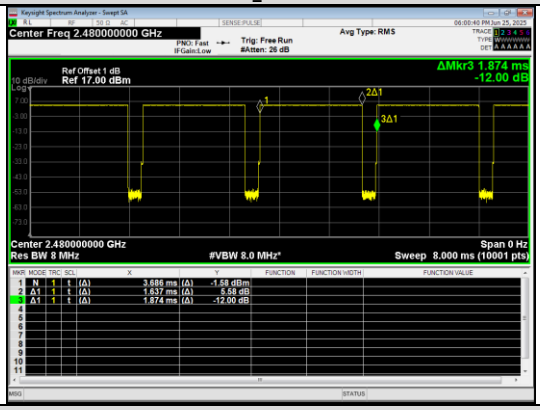
Test Graphs



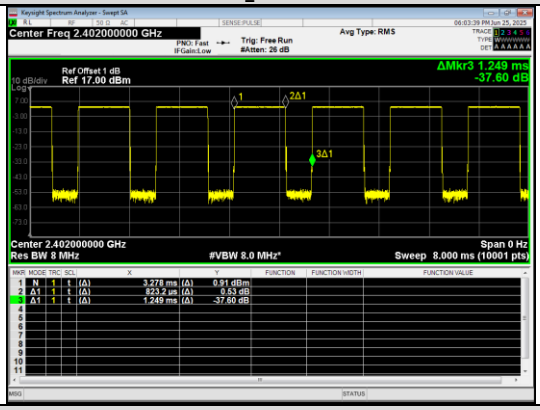
BLE 1M_Channel 0



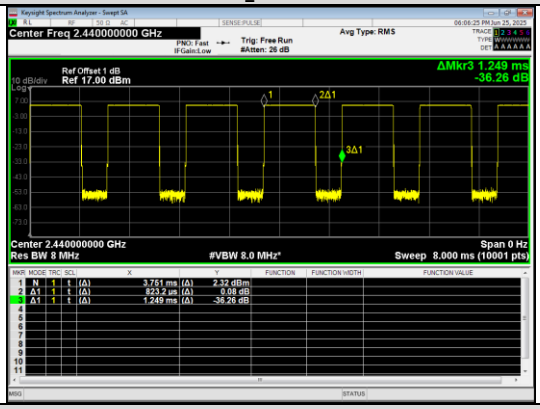
BLE 1M_Channel 19



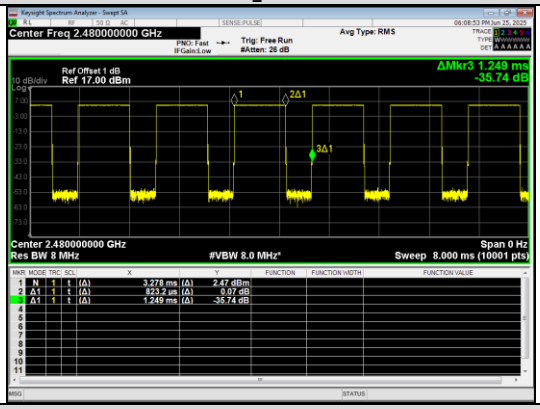
BLE 1M_Channel 39



BLE 2M_Channel 0



BLE 2M_Channel 19



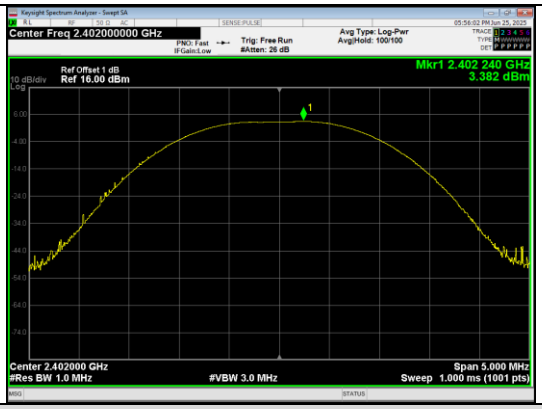
BLE 2M_Channel 39

Conducted Output Power

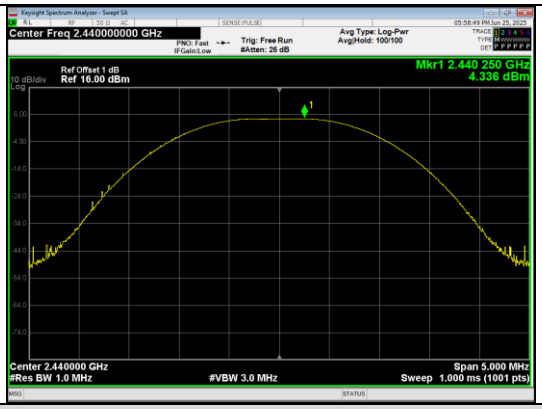
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	3.38	2.18	≤30	PASS
	19	4.34	2.71	≤30	PASS
	39	4.52	2.83	≤30	PASS
BLE 2M	0	3.55	2.27	≤30	PASS
	19	4.41	2.76	≤30	PASS
	39	4.58	2.87	≤30	PASS

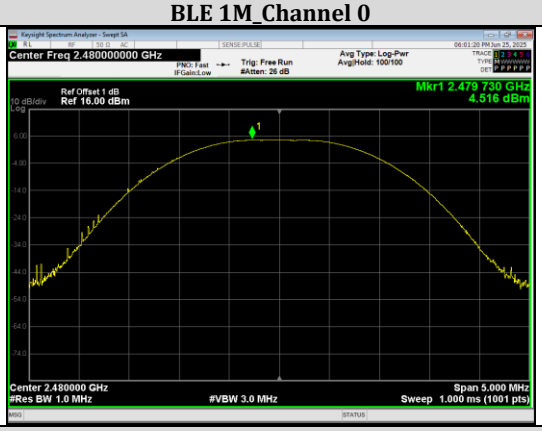
Test Graphs



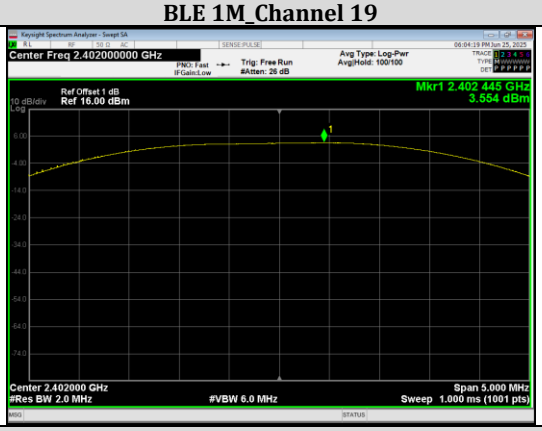
Peak Output Power
BLE 1M_Channel 0



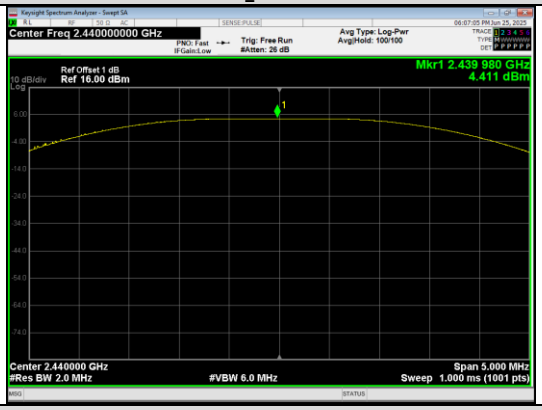
Peak Output Power
BLE 1M_Channel 19



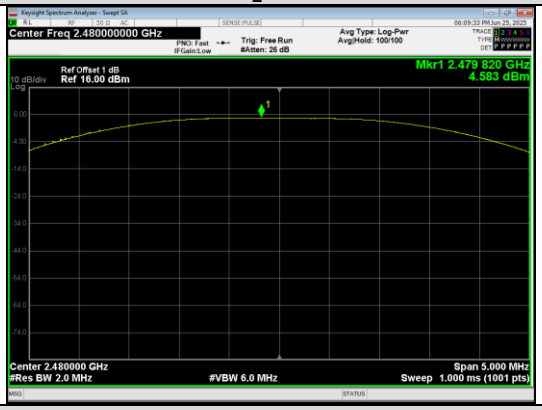
Peak Output Power
BLE 1M_Channel 39



Peak Output Power
BLE 2M_Channel 0



Peak Output Power
BLE 2M_Channel 19



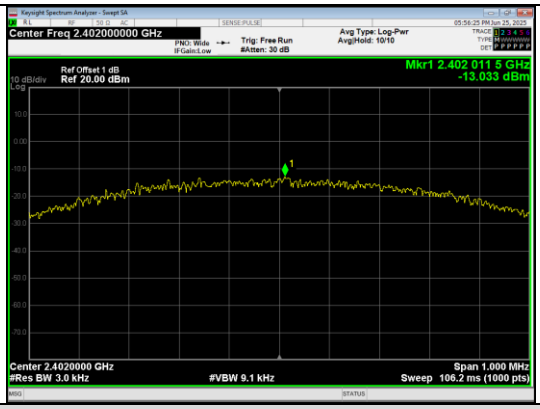
Peak Output Power
BLE 2M_Channel 39

Power Spectral Density

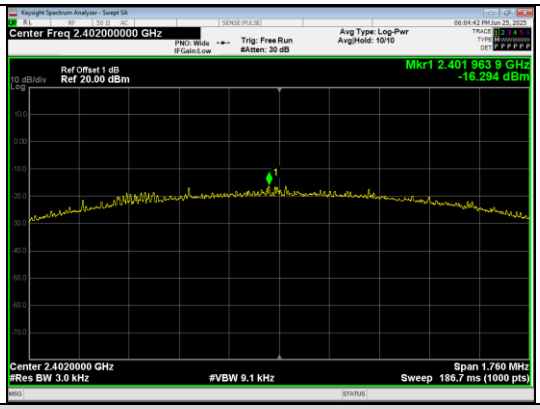
Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-13.033	≤8	PASS
BLE 1M	19	-12.003	≤8	PASS
BLE 1M	39	-11.840	≤8	PASS
BLE 2M	0	-16.294	≤8	PASS
BLE 2M	19	-15.048	≤8	PASS
BLE 2M	39	-14.946	≤8	PASS

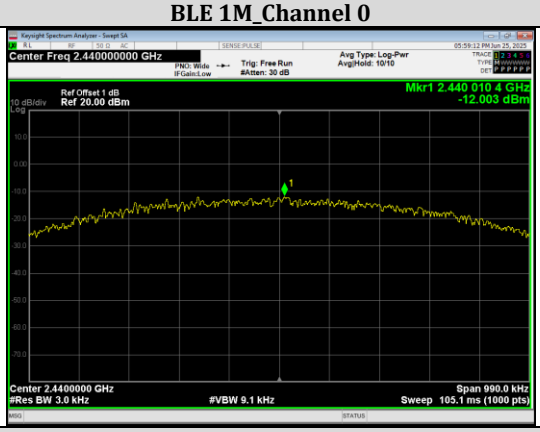
Test Graphs



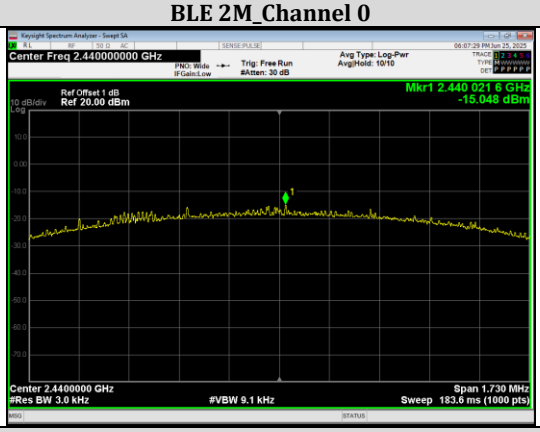
BLE 1M_Channel 0



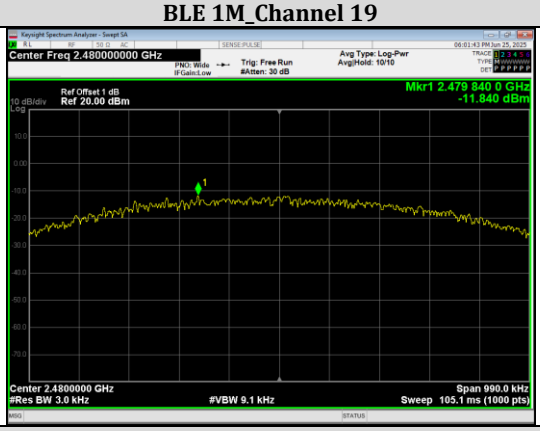
BLE 2M_Channel 0



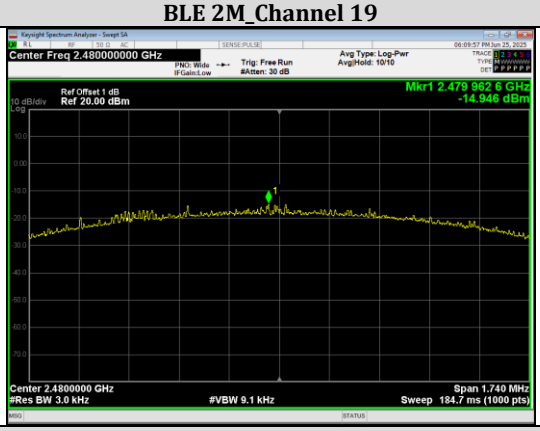
BLE 1M_Channel 19



BLE 2M_Channel 19



BLE 1M_Channel 39



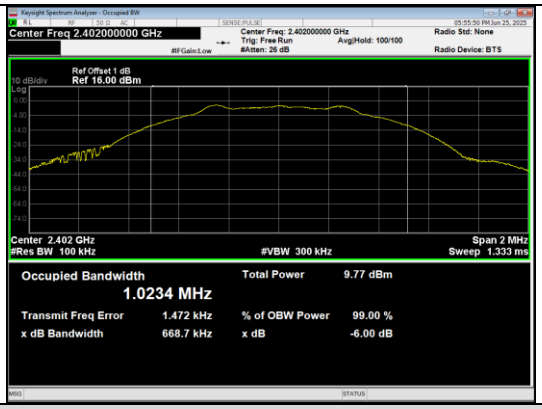
BLE 2M_Channel 39

6dB Bandwidth

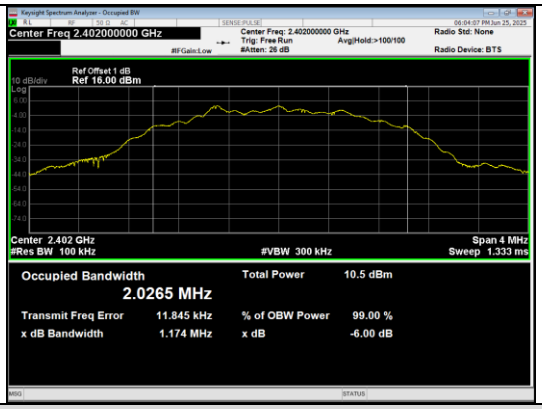
Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6687	≥0.5	PASS
	19	2440	0.6624		PASS
	39	2480	0.6612		PASS
BLE 2M	0	2402	1.174		PASS
	19	2440	1.156		PASS
	39	2480	1.163		PASS

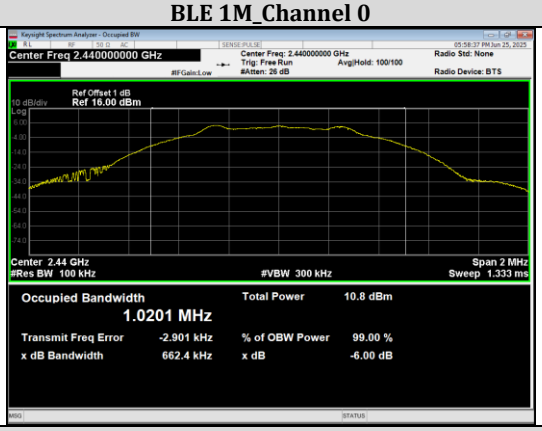
Test Graphs



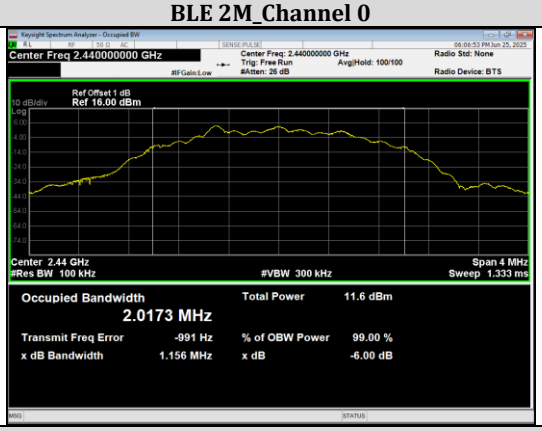
BLE 1M_Channel 0



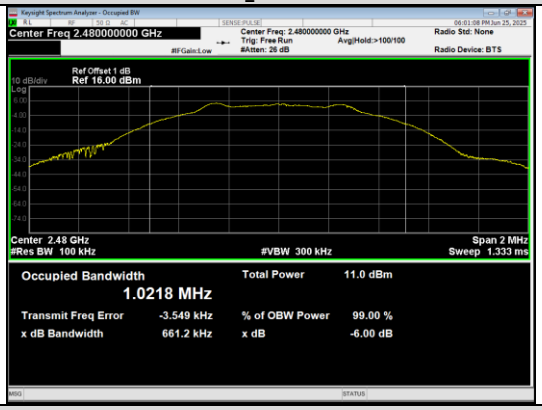
BLE 2M_Channel 0



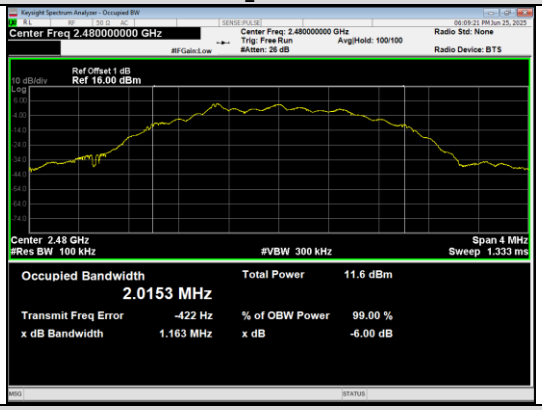
BLE 1M_Channel 19



BLE 2M_Channel 19



BLE 1M_Channel 39



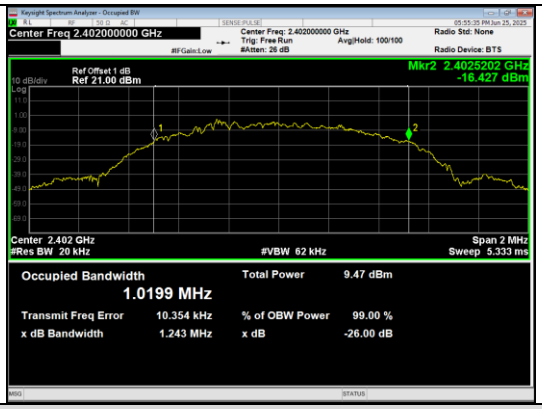
BLE 2M_Channel 39

99% Bandwidth

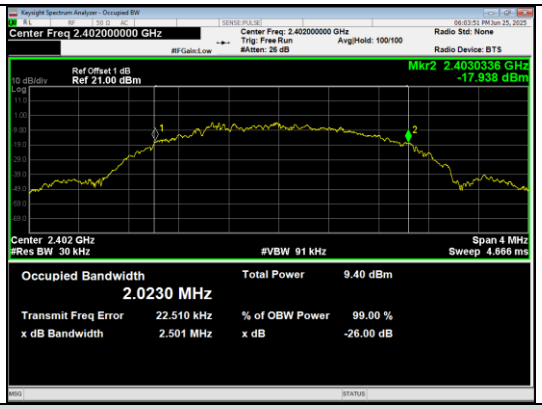
Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0199
BLE 1M	19	2440	1.0167
BLE 1M	39	2480	1.0187
BLE 2M	0	2402	2.0230
BLE 2M	19	2440	2.0270
BLE 2M	39	2480	2.0137

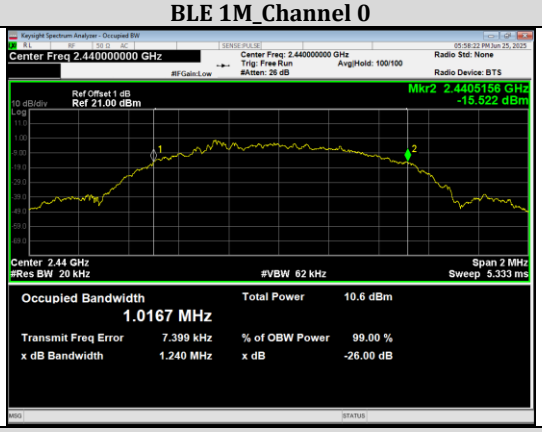
Test Graphs



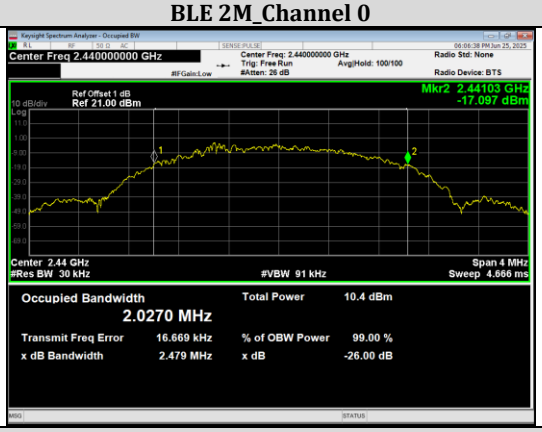
BLE 1M_Channel 0



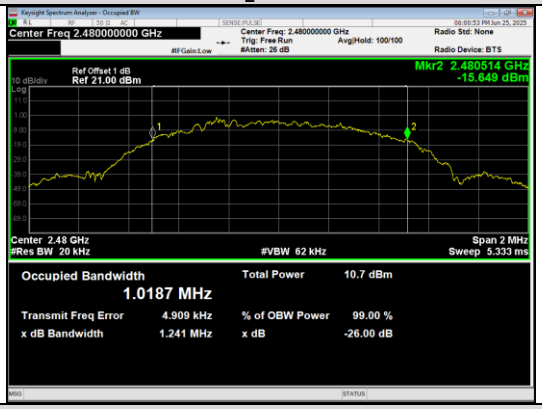
BLE 2M_Channel 0



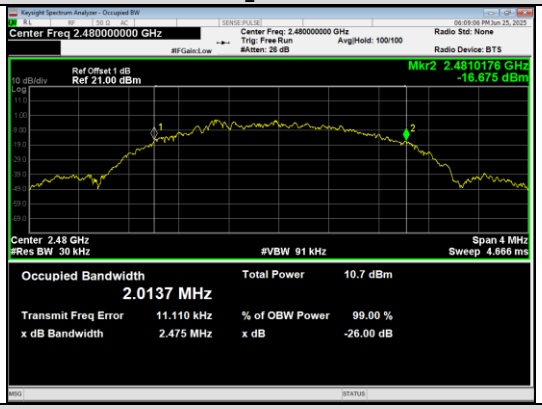
BLE 1M_Channel 19



BLE 2M_Channel 19



BLE 1M_Channel 39



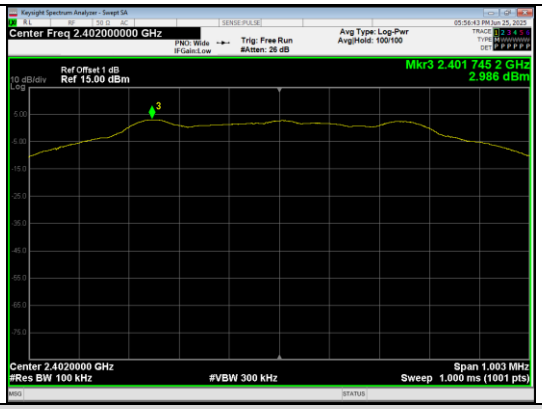
BLE 2M_Channel 39

Conducted Out Of Band Emission

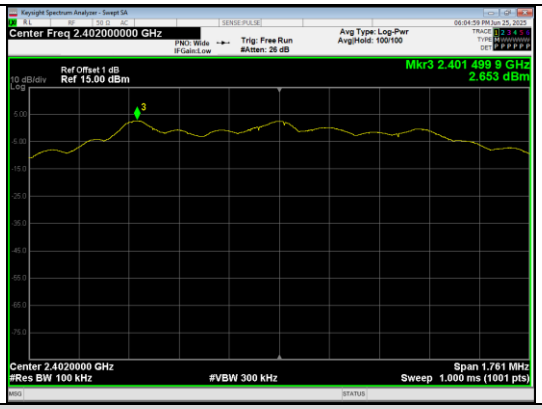
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2400.00	-58.560	-17.01	-41.550	PASS
		24954.4	-49.514	-17.01	-32.504	PASS
	19	24931.3	-49.228	-15.84	-33.388	PASS
	39	2483.50	-59.983	-15.65	-44.333	PASS
		24400.1	-49.986	-15.65	-34.336	PASS
BLE 2M	0	2400.00	-43.038	-17.35	-25.688	PASS
		24976.3	-50.345	-17.35	-32.995	PASS
	19	24986.3	-50.323	-16.1	-34.223	PASS
	39	2483.50	-58.662	-15.9	-42.762	PASS
		24996.9	-50.170	-15.9	-34.270	PASS

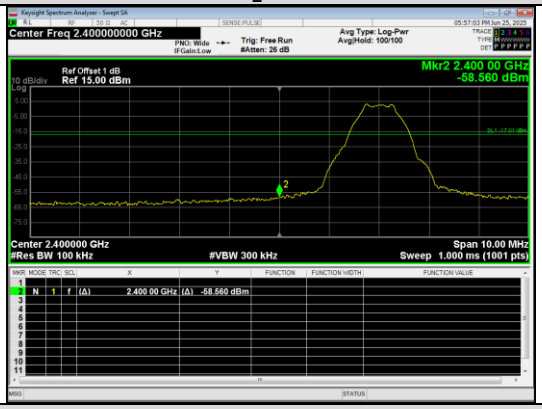
Test Graphs



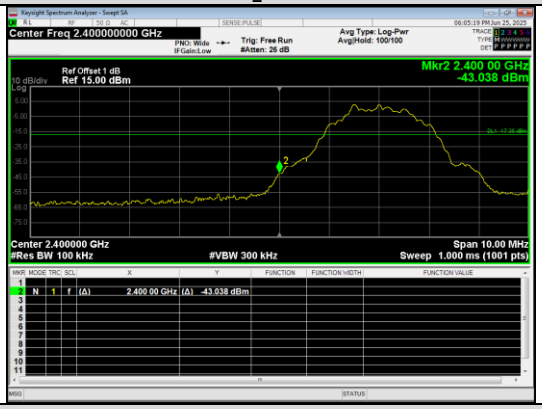
In-Band Reference Level
BLE 1M_Channel 0



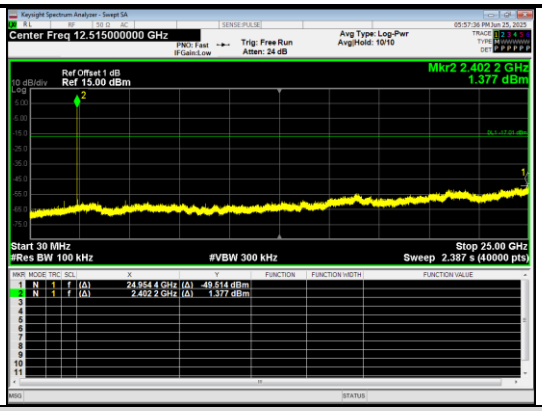
In-Band Reference Level
BLE 2M_Channel 0



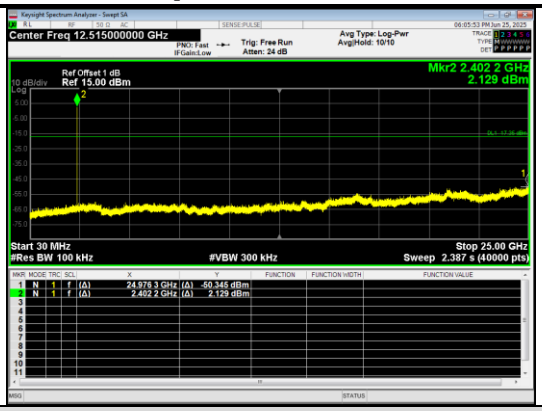
Out Of Band Emission
BLE 1M_Channel 0



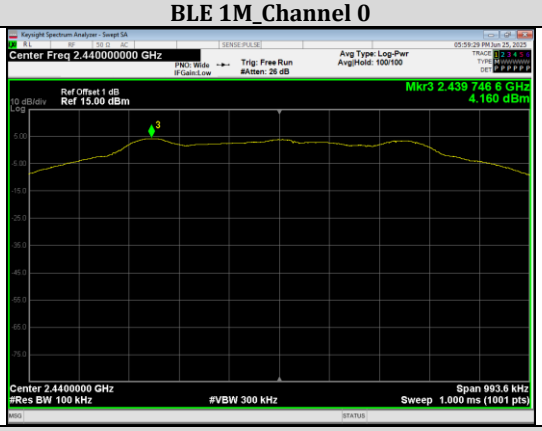
Out Of Band Emission
BLE 2M_Channel 0



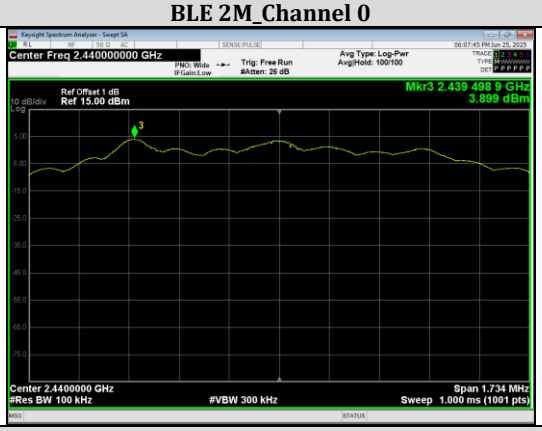
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0



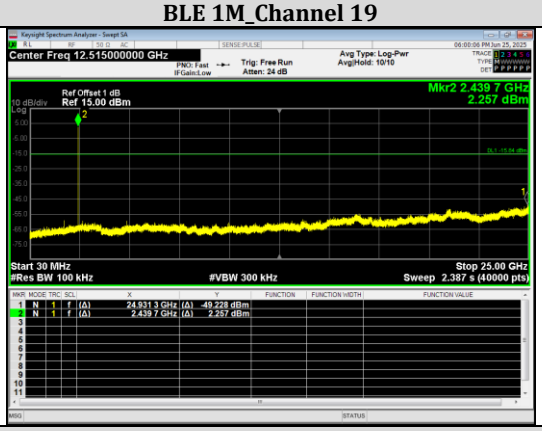
30.0 MHz - 25000.0 MHz
BLE 2M_Channel 0



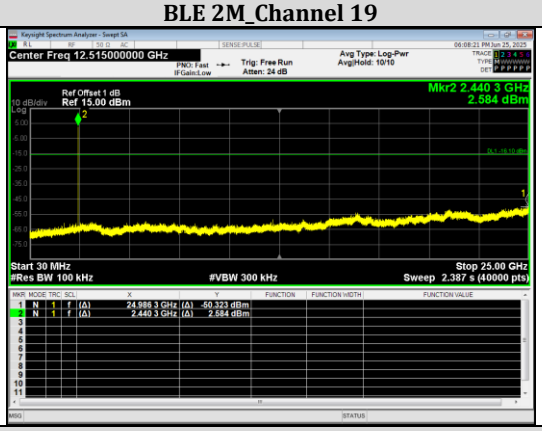
In-Band Reference Level
BLE 1M_Channel 19



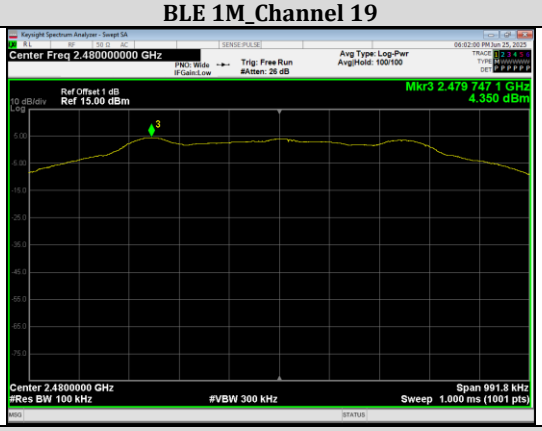
In-Band Reference Level
BLE 2M_Channel 19



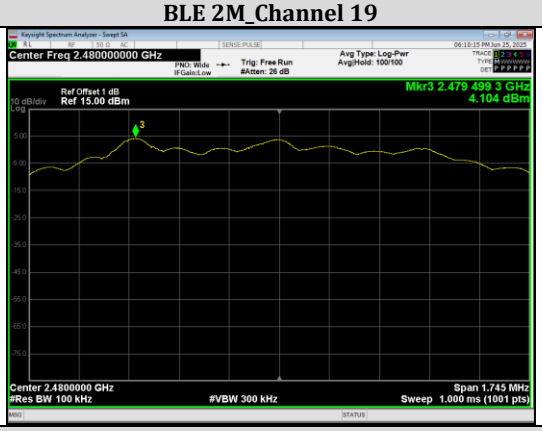
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



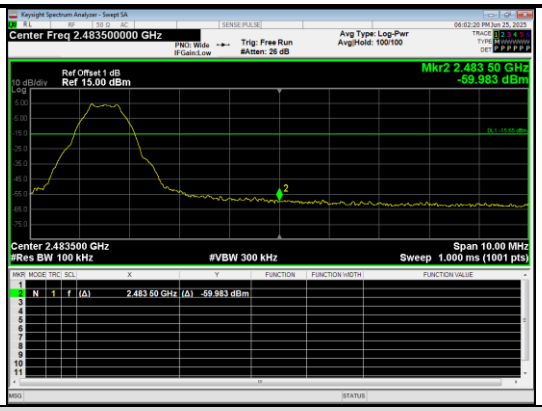
30.0 MHz - 25000.0 MHz
BLE 2M_Channel 19



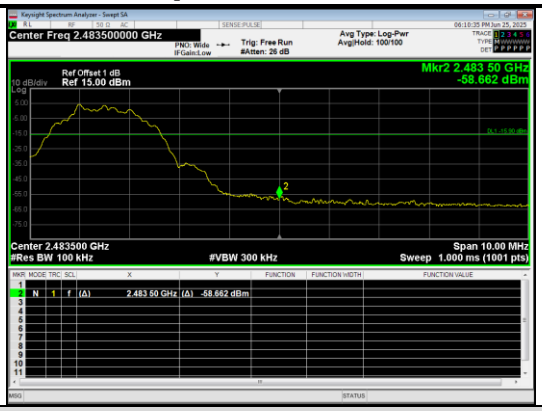
In-Band Reference Level
BLE 1M_Channel 39



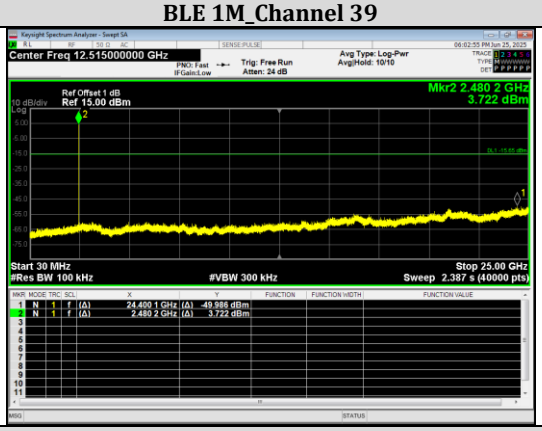
In-Band Reference Level
BLE 2M_Channel 39



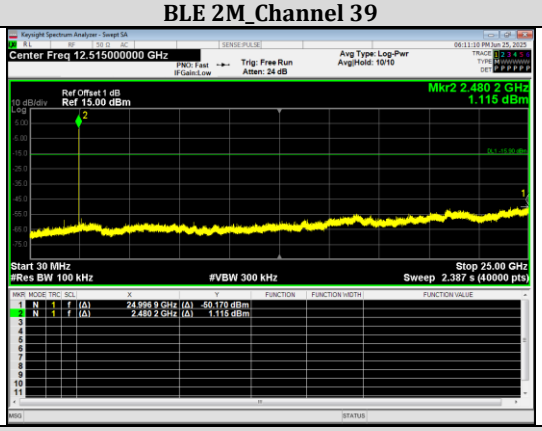
Out Of Band Emission
BLE 1M_Channel 39



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 **********