

Appendix RF test data for BLE

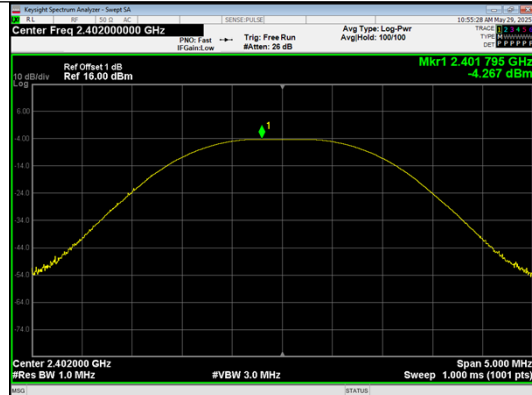


Conducted Output Power

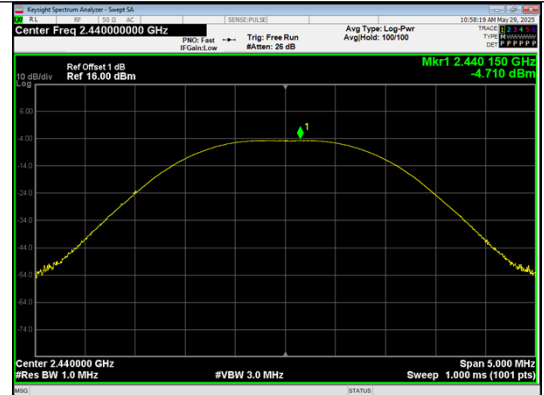
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	-4.27	0.37	≤30	PASS
	19	-4.71	0.34	≤30	PASS
	39	-3.70	0.43	≤30	PASS

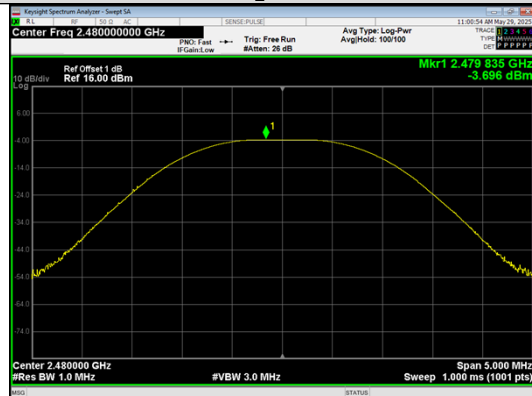
Test Graphs



Peak Output Power
BLE 1M_Channel 0



Peak Output Power
BLE 1M_Channel 19



Peak Output Power
BLE 1M_Channel 39

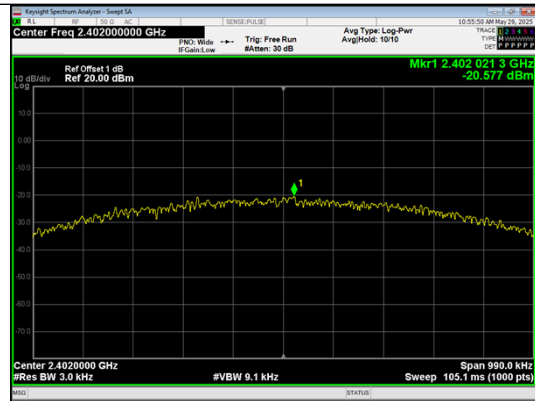


Power Spectral Density

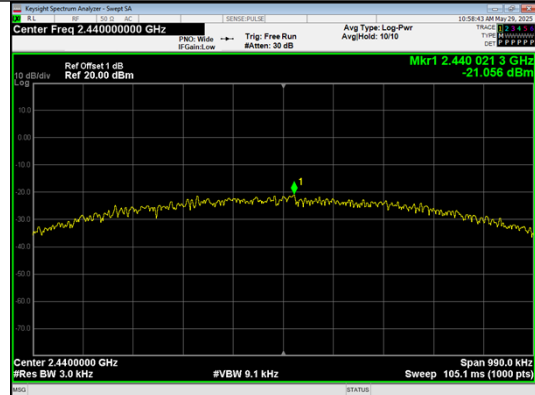
Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-20.577	≤8	PASS
BLE 1M	19	-21.056	≤8	PASS
BLE 1M	39	-19.879	≤8	PASS

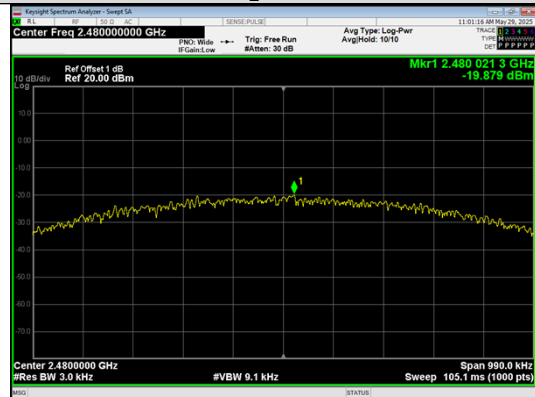
Test Graphs



BLE 1M_Channel 0



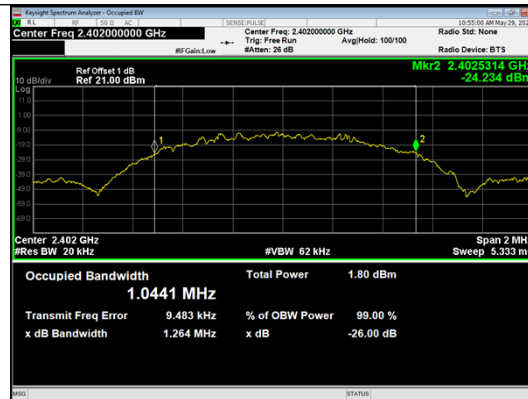
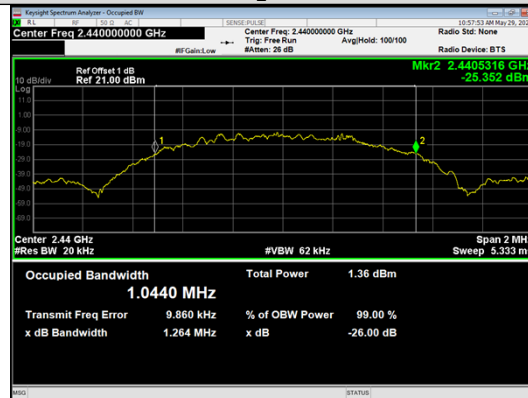
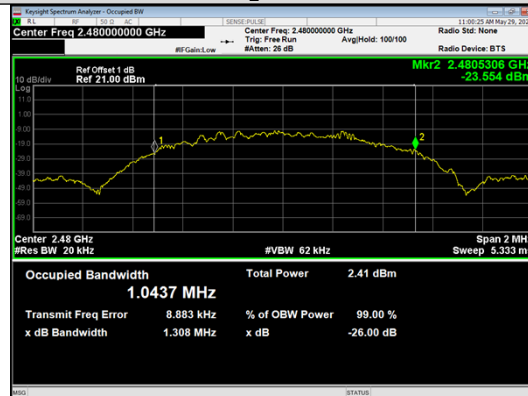
BLE 1M_Channel 19



BLE 1M_Channel 39

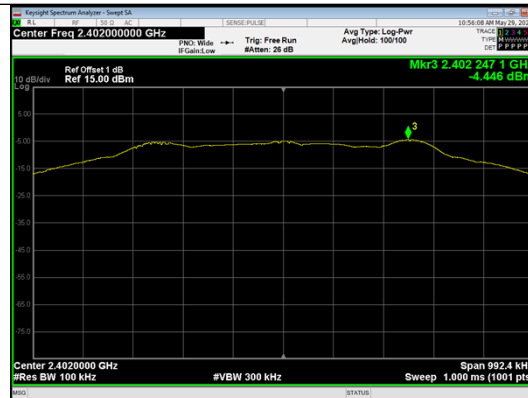
**99% Bandwidth****Test Result**

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0441
BLE 1M	19	2440	1.0440
BLE 1M	39	2480	1.0437

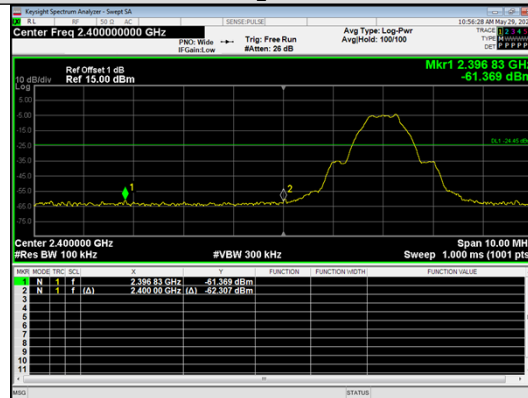
Test Graphs**BLE 1M_Channel 0****BLE 1M_Channel 19****BLE 1M_Channel 39**

**Conducted Out Of Band Emission****Test Result**

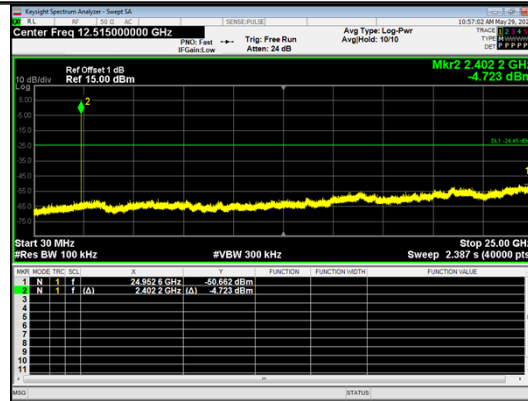
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2396.83	-61.369	-24.45	-36.919	PASS
		2400.00	-62.307	-24.45	-37.857	PASS
		24952.6	-50.662	-24.45	-26.212	PASS
	19	24976.9	-49.562	-24.93	-24.633	PASS
	39	2483.50	-63.753	-23.8	-39.953	PASS
		2656.91	-44.385	-23.8	-20.585	PASS
BLE 2M	0	2400.00	-36.088	-25.12	-10.968	PASS
		24860.2	-50.446	-25.12	-25.326	PASS
	19	2652.54	-32.774	-25.5	-7.274	PASS
	39	2483.50	-61.362	-24.17	-37.192	PASS
		3402.28	-39.478	-24.17	-15.308	PASS

Test Graphs

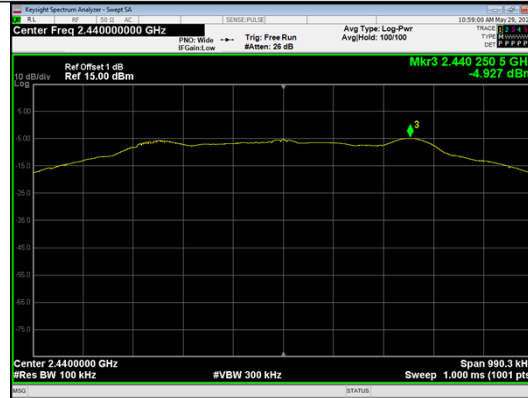
**In-Band Reference Level
BLE 1M_Channel 0**



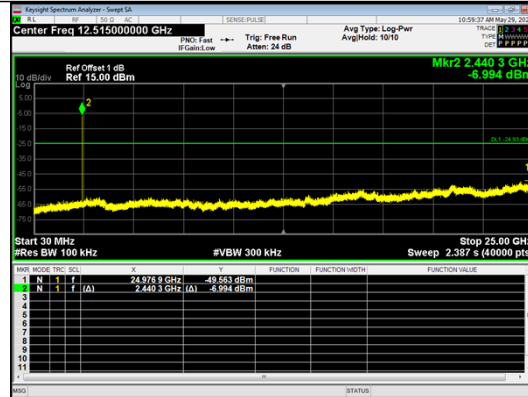
**Out Of Band Emission
BLE 1M_Channel 0**



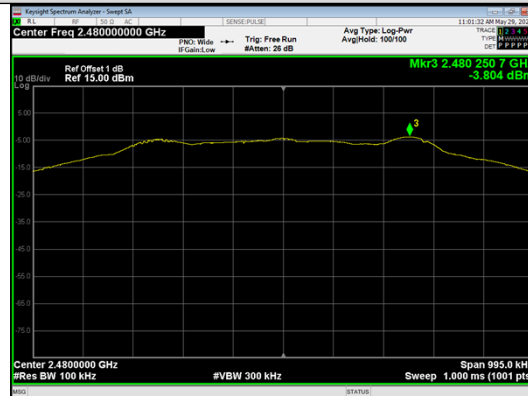
30.0 MHz - 25000.0 MHz BLE 1M_Channel 0



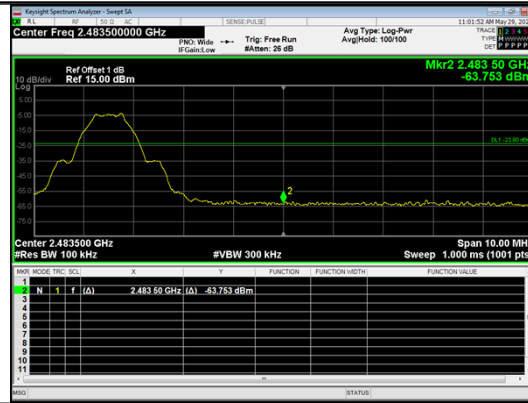
In-Band Reference Level BLE 1M_Channel 19



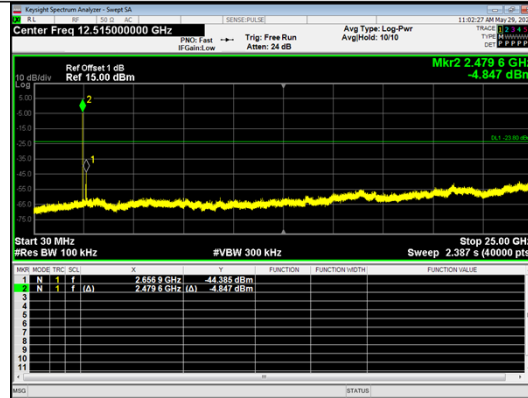
30.0 MHz - 25000.0 MHz BLE 1M_Channel 19



In-Band Reference Level BLE 1M_Channel 39



**Out Of Band Emission
BLE 1M_Channel 39**



**30.0 MHz - 25000.0 MHz
BLE 1M_Channel 39**

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