

Appendix A for test data:

1. Conducted Peak Output Power

Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power Limit (dBm)	Result
BLE 1M	0	9.02	≤ 30	PASS
	19	6.12	≤ 30	PASS
	39	10.81	≤ 30	PASS
BLE 2M	1	9.33	≤ 30	PASS
	19	6.04	≤ 30	PASS
	38	6.45	≤ 30	PASS

2.Duty Cycle

Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
BLE 1M	0	2.128	2.499	85.17	0.8517	0.6971
	19	2.128	2.499	85.17	0.8517	0.6971
	39	2.127	2.499	85.12	0.8512	0.6997
BLE 2M	1	2.127	2.499	85.12	0.8512	0.6997
	19	1.073	1.874	57.23	0.5723	2.4238
	38	1.072	1.874	57.19	0.5719	2.4268

Test Graphs



BLE 2M_Channel 19

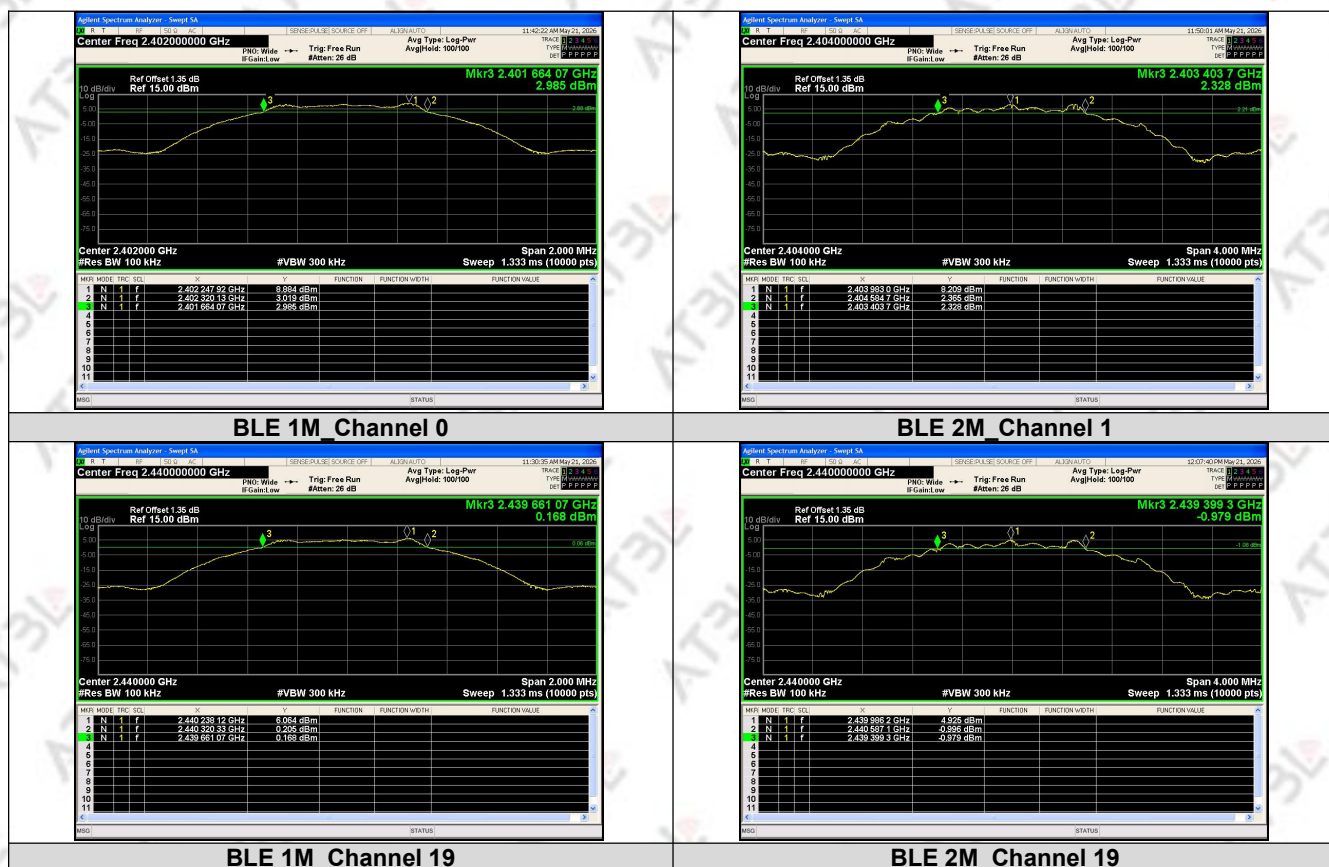
BLE 2M_Channel 38

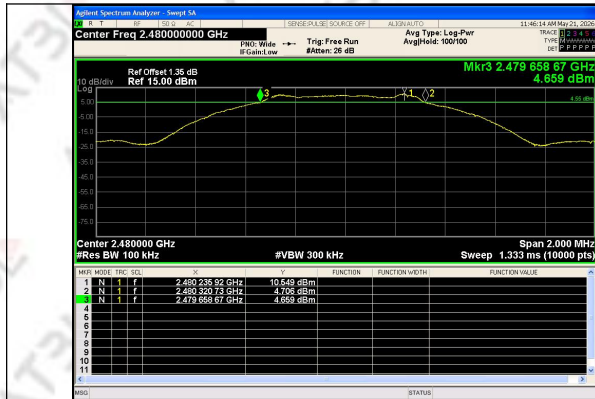
3.6dB Bandwidth and 99% Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.66	≥0.5	PASS
	19	2440	0.66		PASS
	39	2480	0.66		PASS
BLE 2M	1	2404	1.18		PASS
	19	2440	1.19		PASS
	38	2478	1.25		PASS

Test Graphs





BLE 1M_Channel 39



BLE 2M_Channel 38

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.05
BLE 1M	19	2440	1.05
BLE 1M	39	2480	1.05
BLE 2M	1	2404	2.09
BLE 2M	19	2440	2.09
BLE 2M	38	2478	2.08

Test Graphs



BLE 1M_Channel 0



BLE 2M_Channel 1



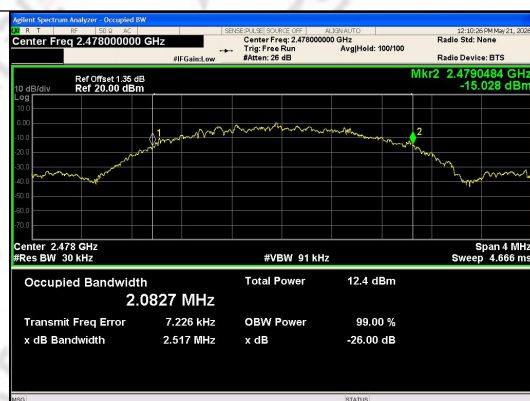
BLE 1M_Channel 19



BLE 2M_Channel 19



BLE 1M_Channel 39



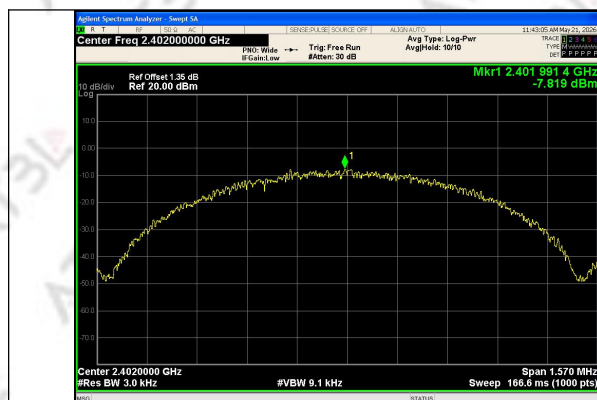
BLE 2M_Channel 38

4.Power Spectral Density

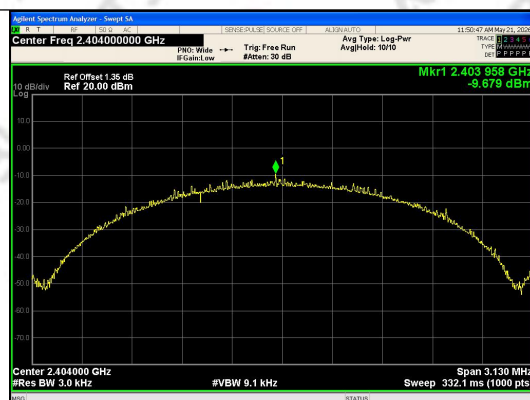
Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-7.82	≤ 8	PASS
BLE 1M	19	-10.46	≤ 8	PASS
BLE 1M	39	-6.18	≤ 8	PASS
BLE 2M	1	-9.68	≤ 8	PASS
BLE 2M	19	-13.07	≤ 8	PASS
BLE 2M	38	-12.47	≤ 8	PASS

Test Graphs



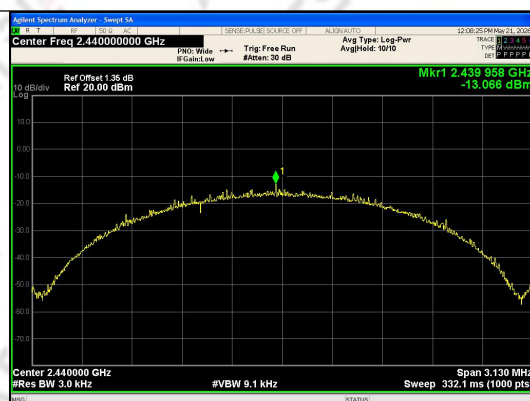
BLE 1M_Channel 0



BLE 2M_Channel 1



BLE 1M_Channel 19



BLE 2M_Channel 19



BLE 1M_Channel 39



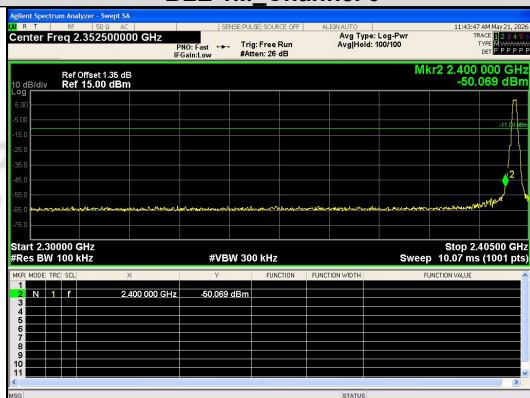
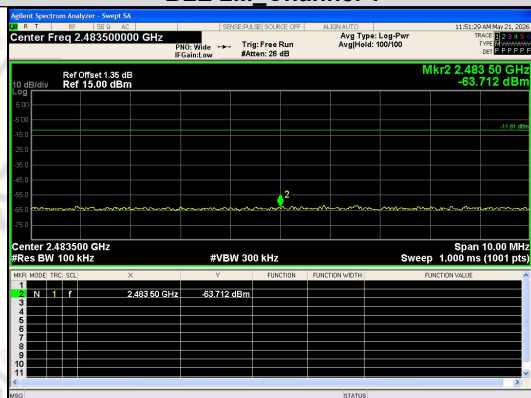
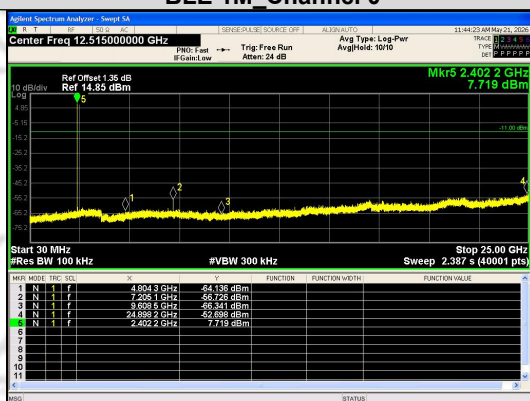
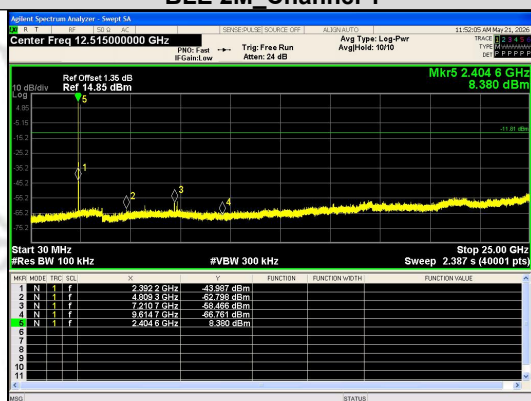
BLE 2M_Channel 38

5. Conducted Spurious & Band Edge Emission

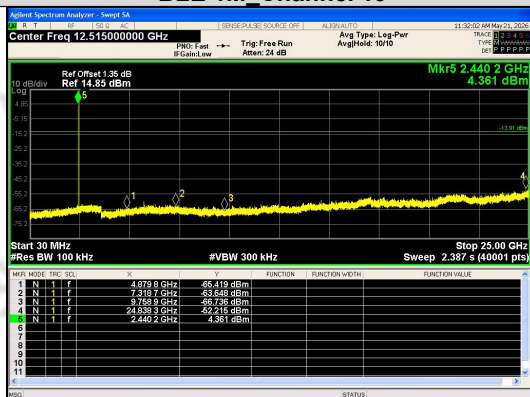
Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2400.00	-50.069	-11.0	-39.069	PASS
		4804.26	-64.136	-11.0	-53.136	PASS
		7205.13	-56.726	-11.0	-45.726	PASS
		9608.49	-66.341	-11.0	-55.341	PASS
		24898.2	-52.698	-11.0	-41.698	PASS
	19	4879.80	-65.419	-13.91	-51.509	PASS
		7318.74	-63.648	-13.91	-49.738	PASS
		9758.94	-66.736	-13.91	-52.826	PASS
		24838.3	-52.215	-13.91	-38.305	PASS
	39	2483.50	-56.529	-9.4	-47.129	PASS
		4960.33	-61.629	-9.4	-52.229	PASS
		7440.47	-56.623	-9.4	-47.223	PASS
		9919.37	-66.245	-9.4	-56.845	PASS
		24684.1	-52.510	-9.4	-43.110	PASS
BLE 2M	1	2392.16	-43.987	-11.81	-32.177	PASS
		2483.50	-63.712	-11.81	-51.902	PASS
		4809.26	-62.798	-11.81	-50.988	PASS
		7210.75	-58.467	-11.81	-46.657	PASS
		9614.73	-66.761	-11.81	-54.951	PASS
	19	1940.20	-50.096	-15.08	-35.016	PASS
		4881.05	-66.304	-15.08	-51.224	PASS
		7318.12	-63.258	-15.08	-48.178	PASS
		9761.43	-66.363	-15.08	-51.283	PASS
	38	2483.50	-58.268	-14.61	-43.658	PASS
		4956.58	-65.786	-14.61	-51.176	PASS
		7433.60	-65.376	-14.61	-50.766	PASS
		9911.25	-66.653	-14.61	-52.043	PASS
		24888.9	-51.774	-14.61	-37.164	PASS

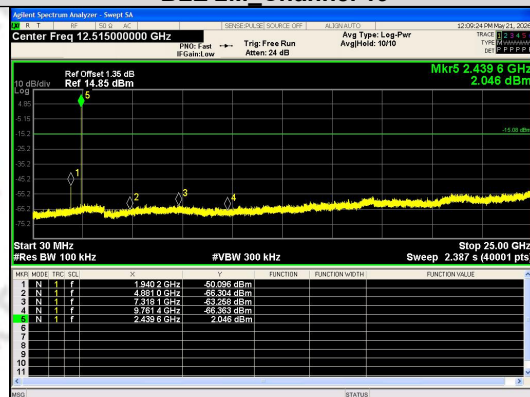
Test Graphs

In-Band Reference Level
BLE 1M Channel 0In-Band Reference Level
BLE 2M Channel 1Out Of Band Emission
BLE 1M Channel 0Out Of Band Emission
BLE 2M Channel 130.0 MHz - 25000.0 MHz
BLE 1M Channel 030.0 MHz - 25000.0 MHz
BLE 2M Channel 1

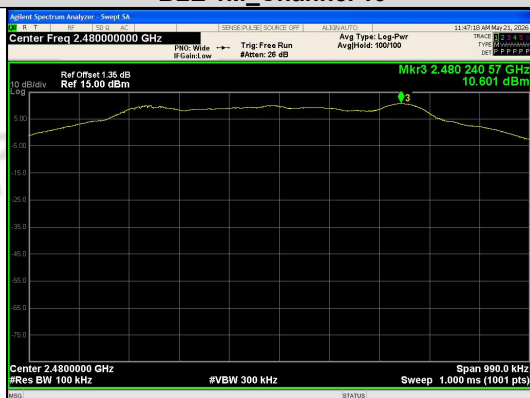
In-Band Reference Level BLE 1M_Channel 19



In-Band Reference Level BLE 2M_Channel 19



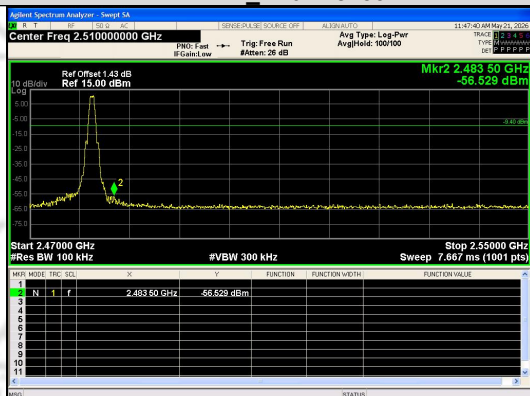
30.0 MHz - 25000.0 MHz BLE 1M_Channel 19



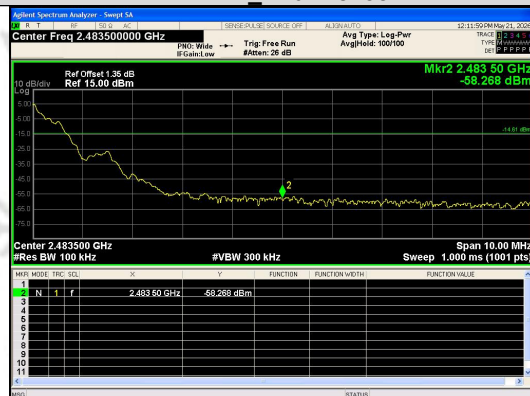
30.0 MHz - 25000.0 MHz BLE 2M_Channel 19



In-Band Reference Level BLE 1M_Channel 39

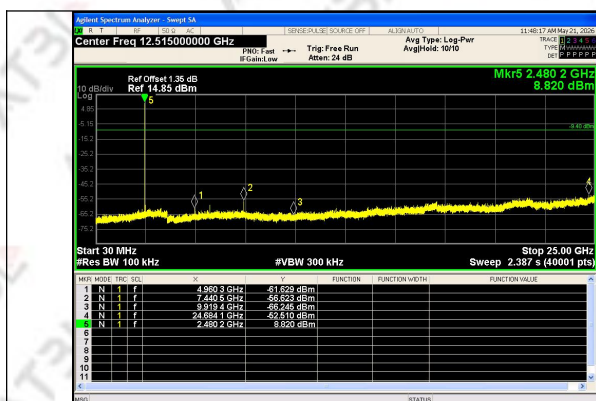


In-Band Reference Level BLE 2M_Channel 38

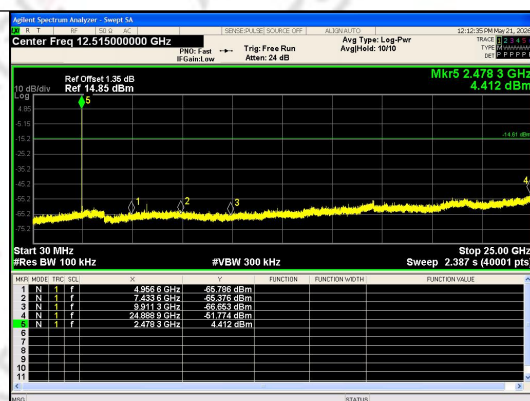


Out Of Band Emission BLE 1M_Channel 39

Out Of Band Emission BLE 2M_Channel 38



30.0 MHz - 25000.0 MHz
BLE 1M_Channel 39



30.0 MHz - 25000.0 MHz
BLE 2M_Channel 38

*****END*****