

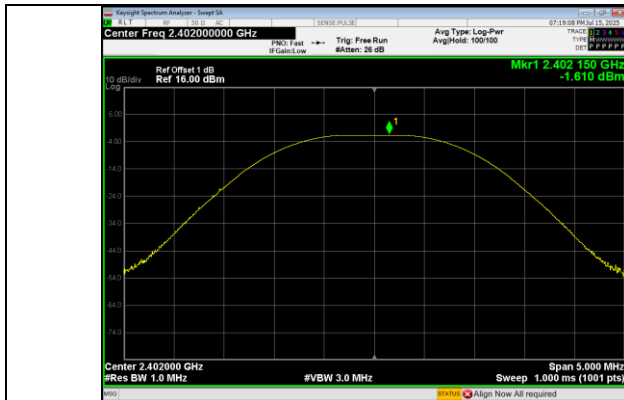
Appendix RF test data for BLE

Conducted Output Power

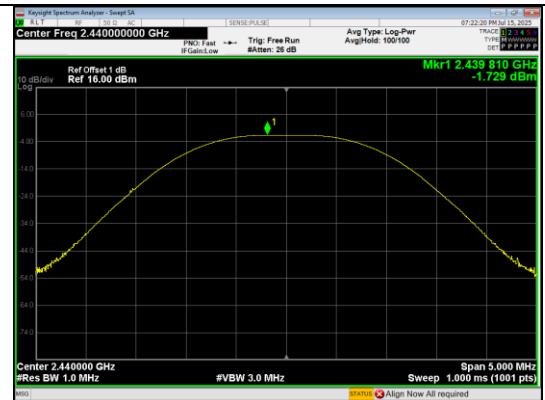
Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	-1.61	0.69	≤30	PASS
	19	-1.73	0.67	≤30	PASS
	39	-1.53	0.7	≤30	PASS
BLE 2M	0	-1.56	0.7	≤30	PASS
	19	-1.58	0.7	≤30	PASS
	39	-1.42	0.72	≤30	PASS

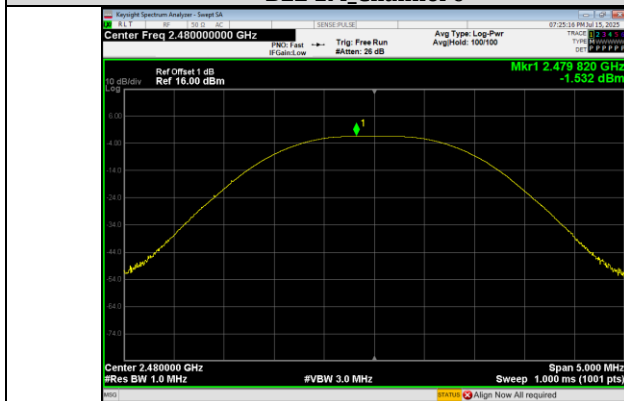
Test Graphs



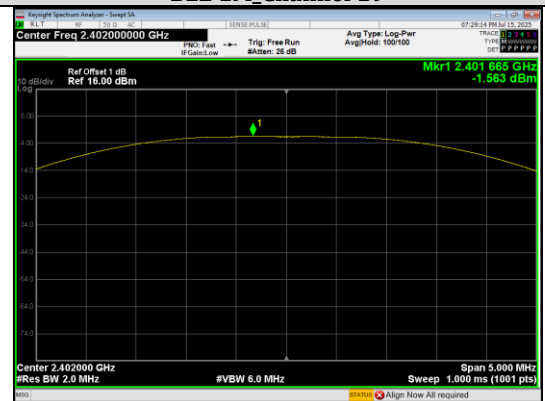
Peak Output Power
BLE 1M_Channel 0



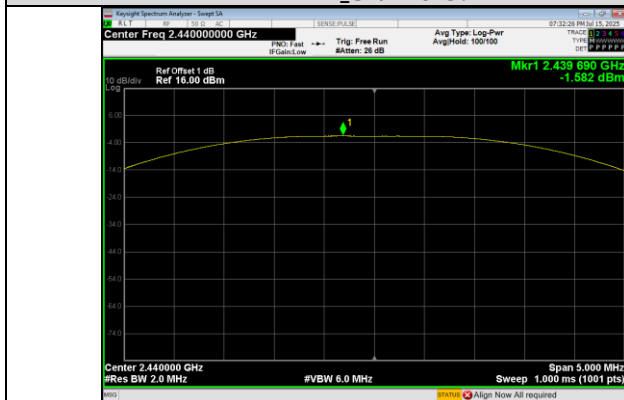
Peak Output Power
BLE 1M_Channel 19



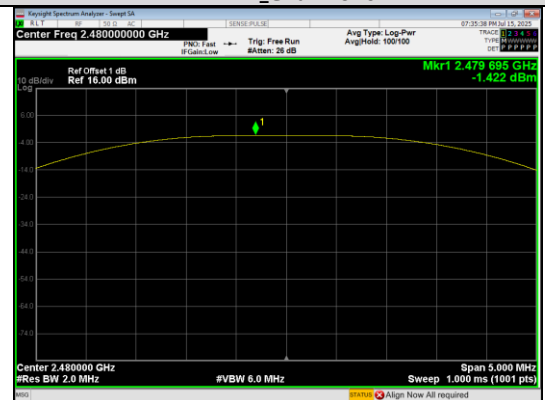
Peak Output Power
BLE 1M_Channel 39



Peak Output Power
BLE 2M_Channel 0



Peak Output Power
BLE 2M_Channel 19



Peak Output Power
BLE 2M_Channel 39

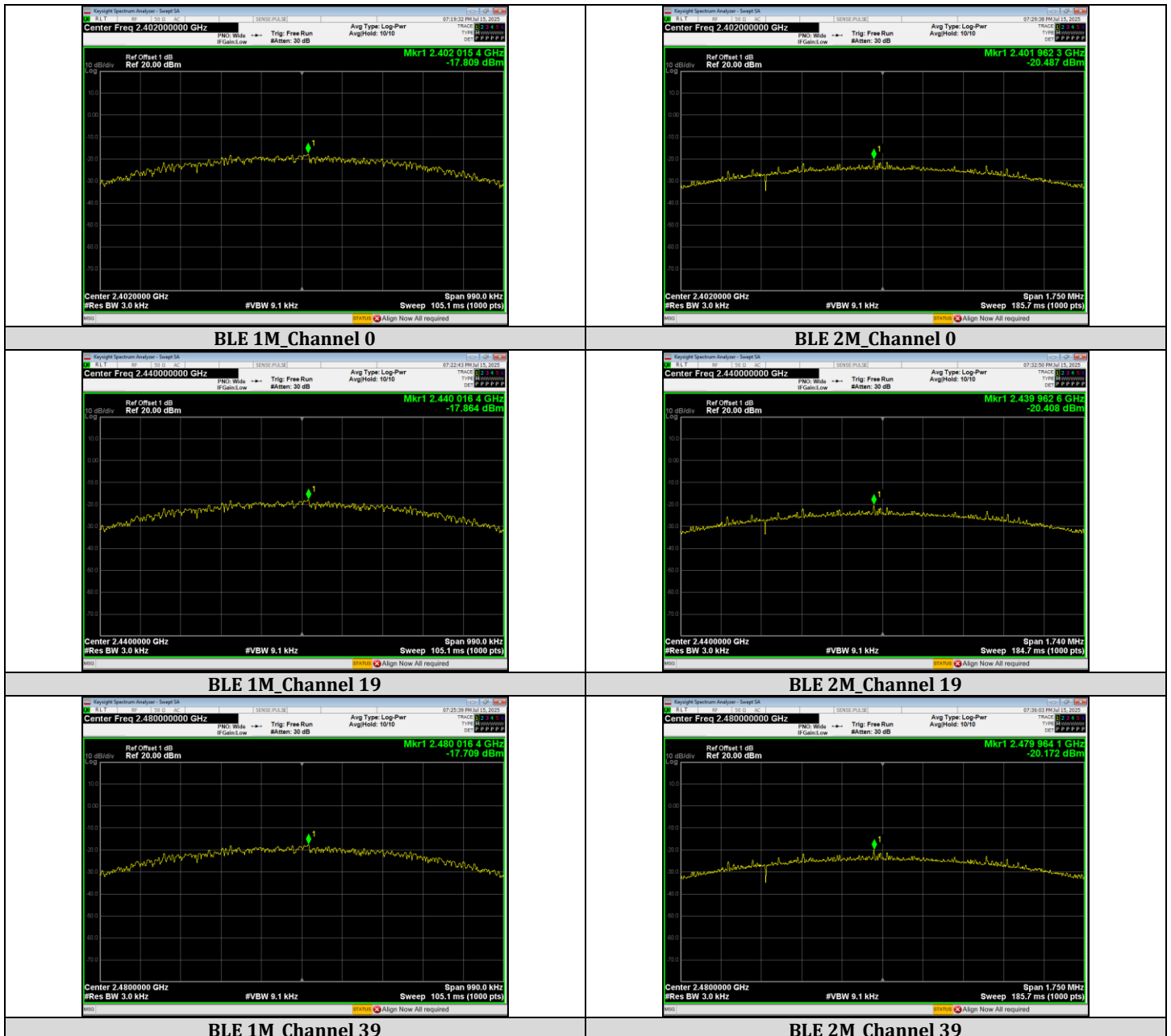


Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-17.810	≤8	PASS
BLE 1M	19	-17.860	≤8	PASS
BLE 1M	39	-17.710	≤8	PASS
BLE 2M	0	-20.490	≤8	PASS
BLE 2M	19	-20.410	≤8	PASS
BLE 2M	39	-20.170	≤8	PASS

Test Graphs



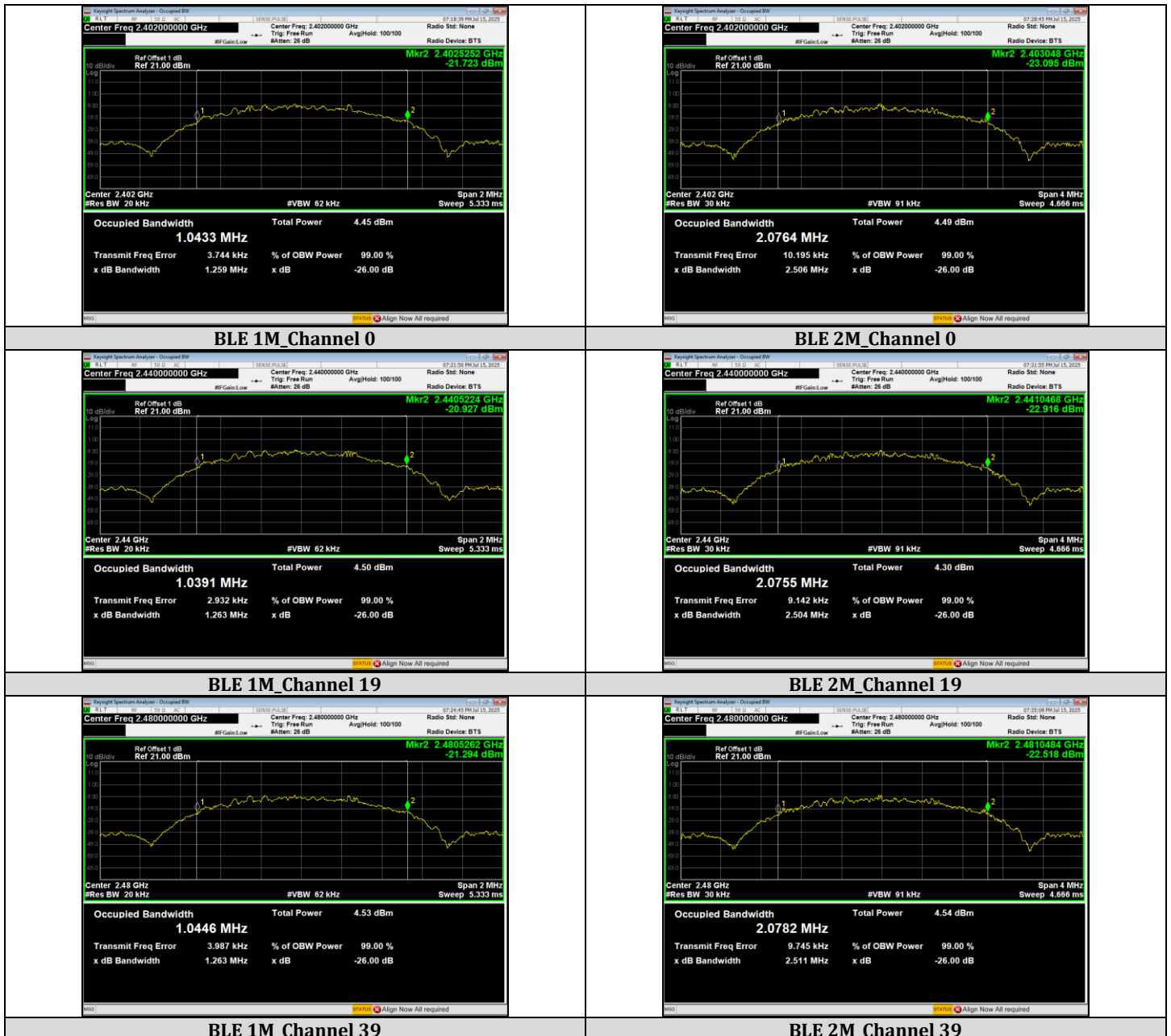
***** End of Report *****

99% Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
BLE 1M	0	2402	1.0433
BLE 1M	19	2440	1.0391
BLE 1M	39	2480	1.0446
BLE 2M	0	2402	2.0764
BLE 2M	19	2440	2.0755
BLE 2M	39	2480	2.0782

Test Graphs

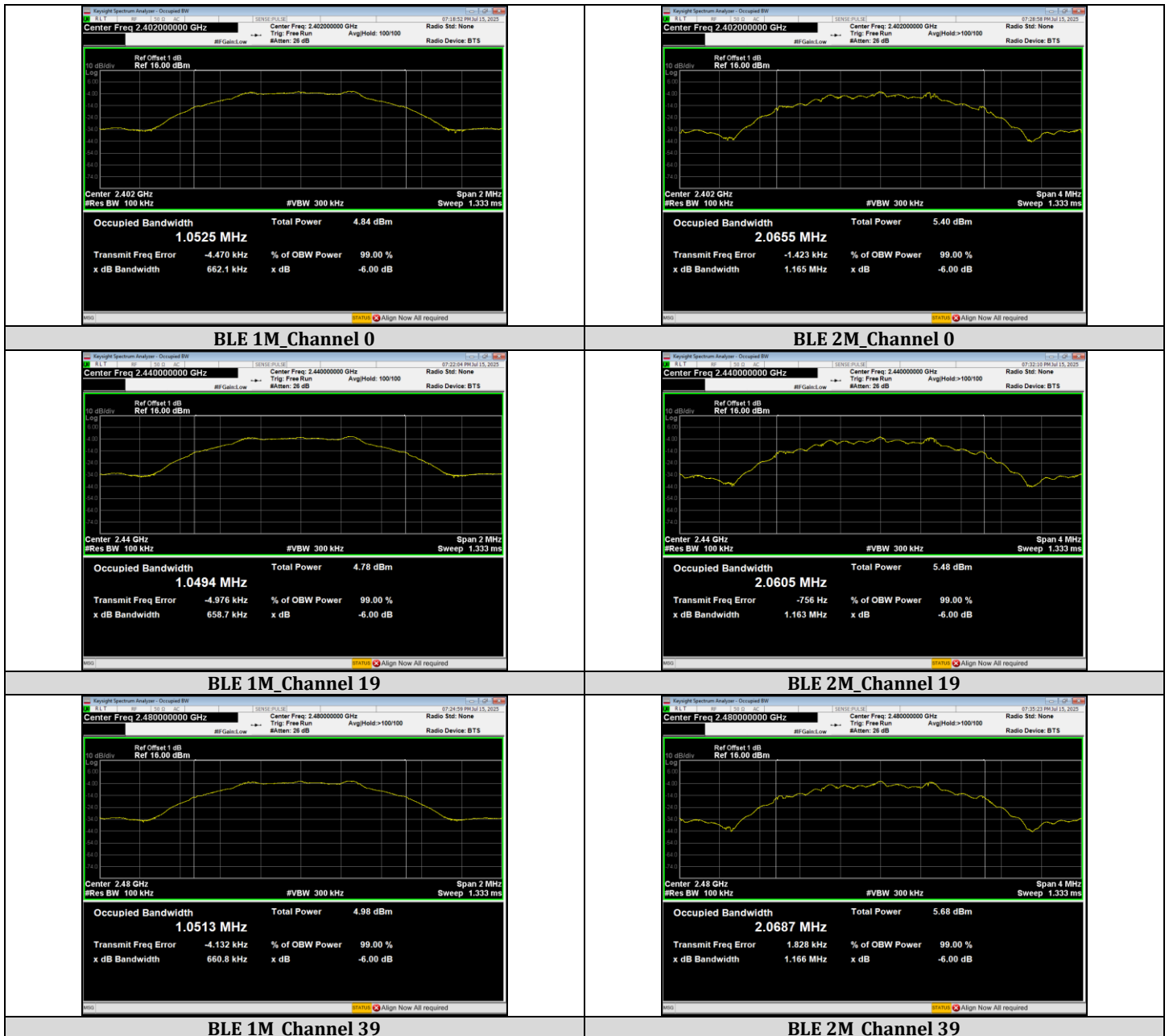


6dB Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6600	≥0.5	PASS
	19	2440	0.6600		PASS
	39	2480	0.6600		PASS
BLE 2M	0	2402	1.170		PASS
	19	2440	1.160		PASS
	39	2480	1.170		PASS

Test Graphs

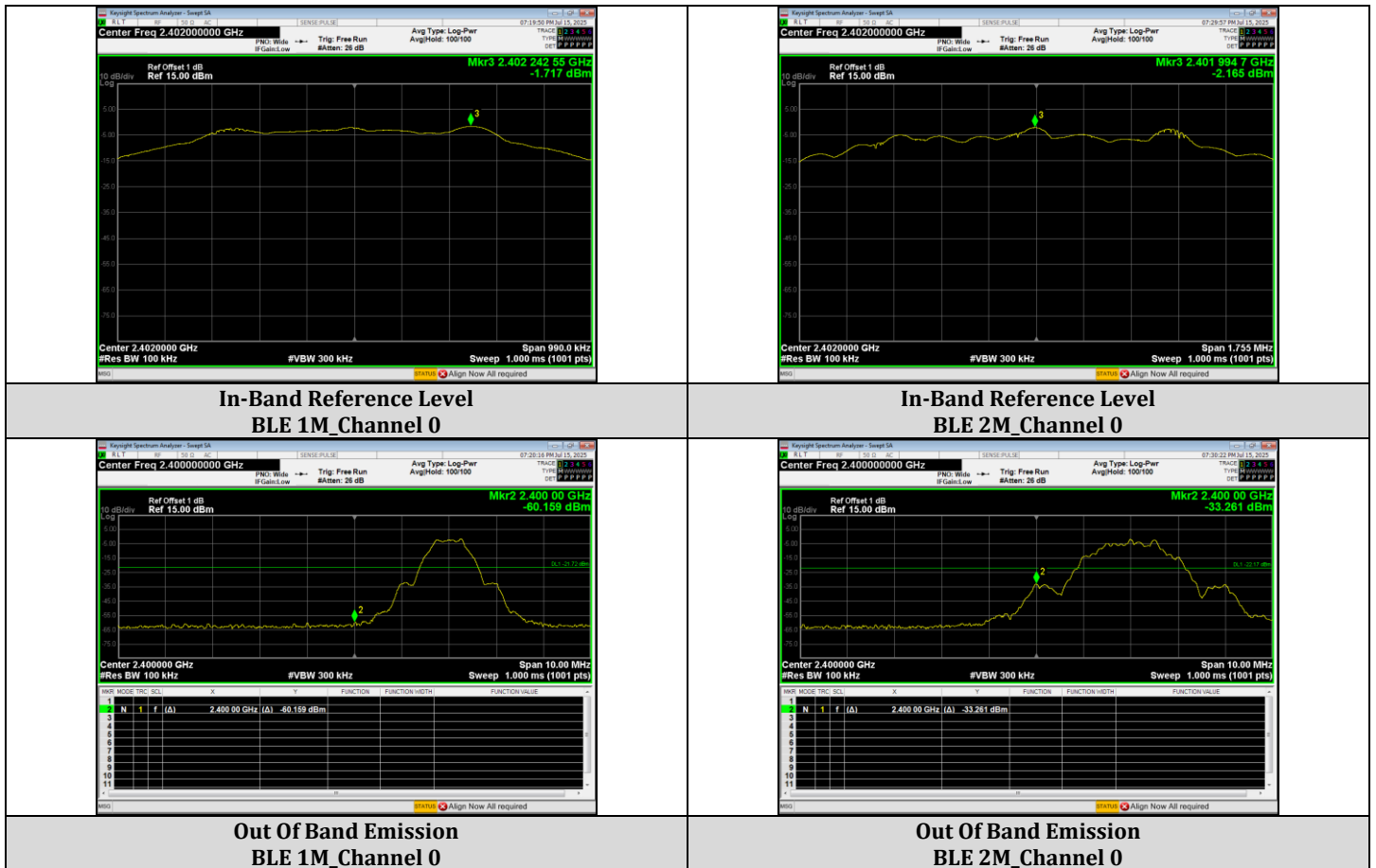


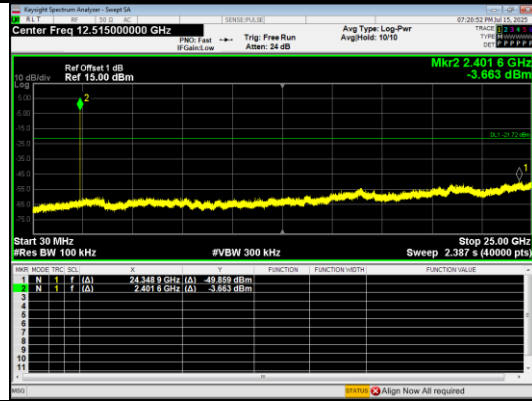
Conducted Out Of Band Emission

Test Result

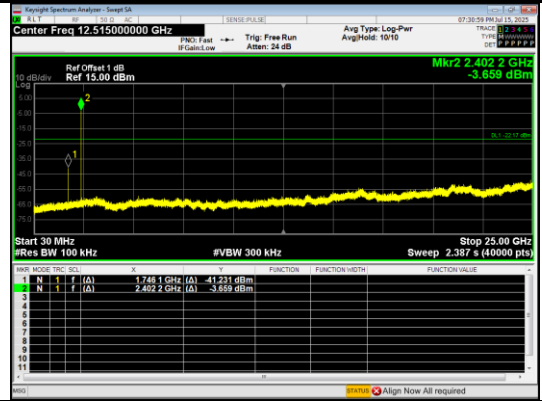
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2400.00	-60.160	-21.72	-38.440	PASS
		24348.9	-49.859	-21.72	-28.139	PASS
	19	24908.2	-49.849	-21.79	-28.059	PASS
	39	2483.50	-62.940	-21.63	-41.310	PASS
		24902.0	-48.823	-21.63	-27.193	PASS
BLE 2M	0	1746.11	-41.231	-22.17	-19.061	PASS
		2400.00	-33.260	-22.17	-11.090	PASS
	19	24952.6	-48.968	-22.25	-26.718	PASS
	39	2483.50	-59.280	-22.08	-37.200	PASS
		24458.1	-49.636	-22.08	-27.556	PASS

Test Graphs

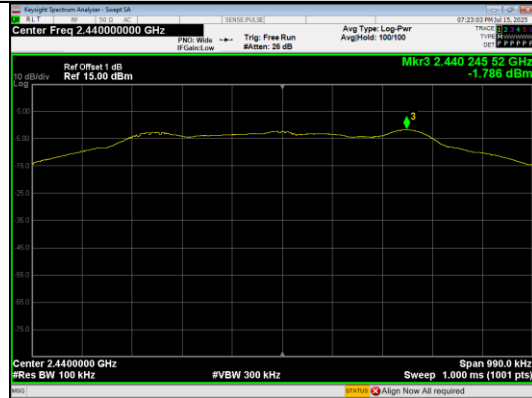




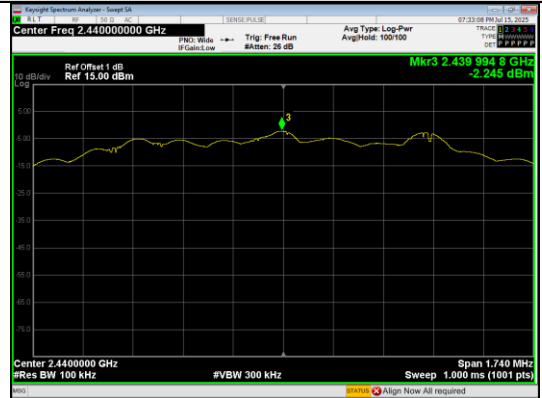
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 0



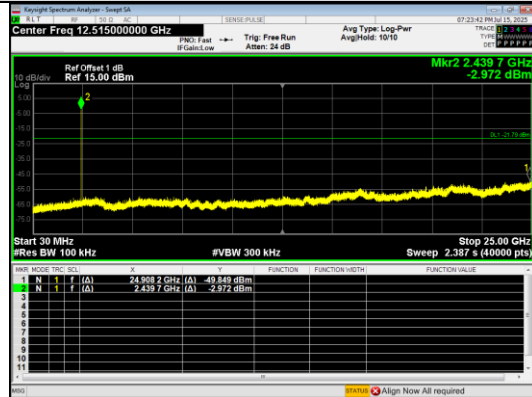
30.0 MHz - 25000.0 MHz
BLE 2M_Channel 0



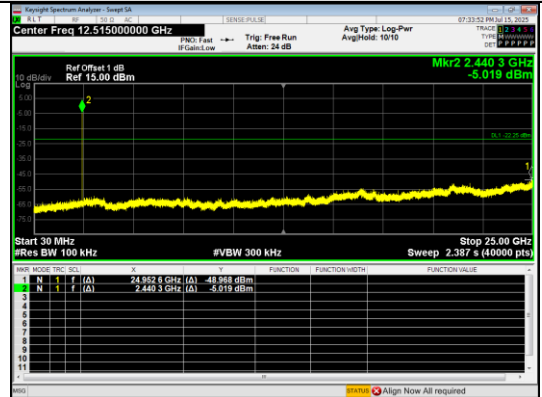
In-Band Reference Level
BLE 1M_Channel 19



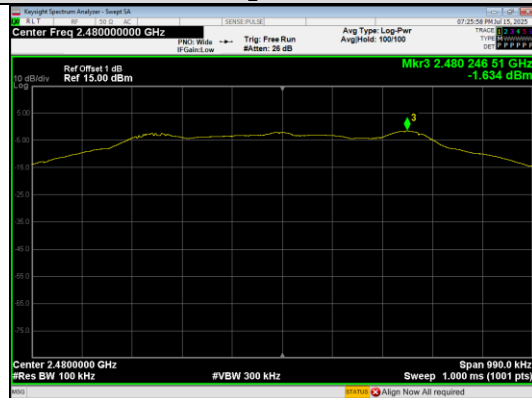
In-Band Reference Level
BLE 2M_Channel 19



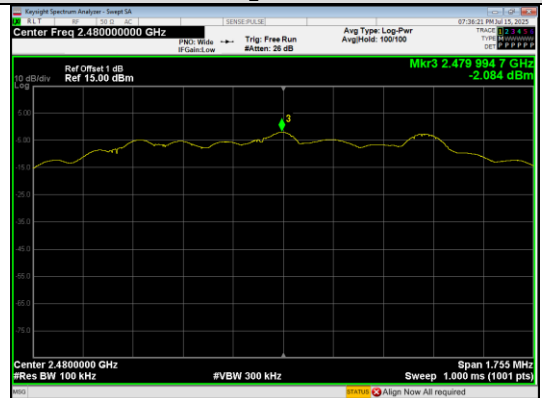
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



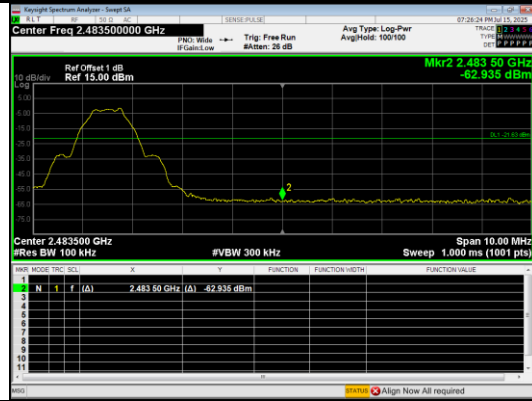
30.0 MHz - 25000.0 MHz
BLE 2M_Channel 19



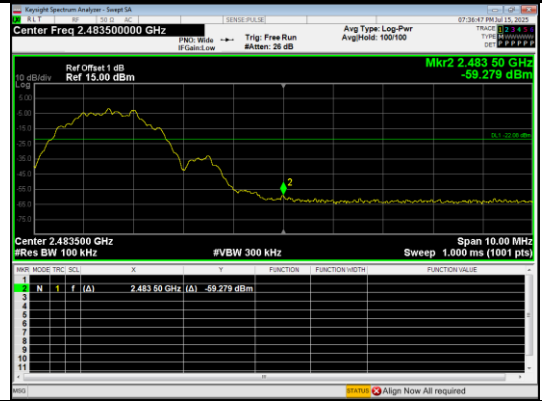
In-Band Reference Level
BLE 1M_Channel 39



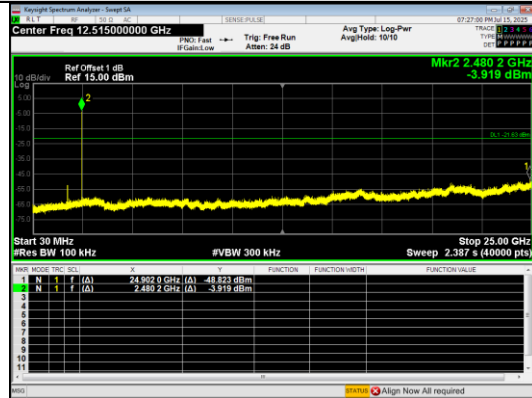
In-Band Reference Level
BLE 2M_Channel 39



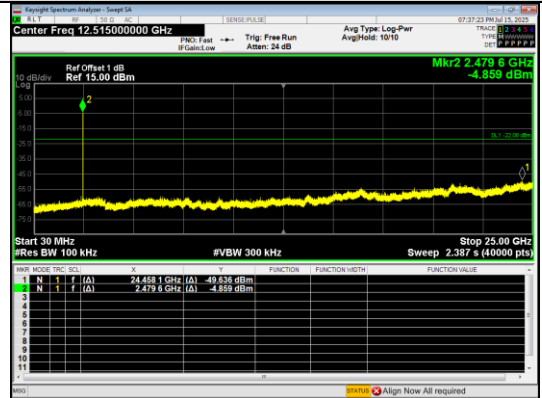
Out Of Band Emission
BLE 1M_Channel 39



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 *****