

Appendix – BLE Test Data

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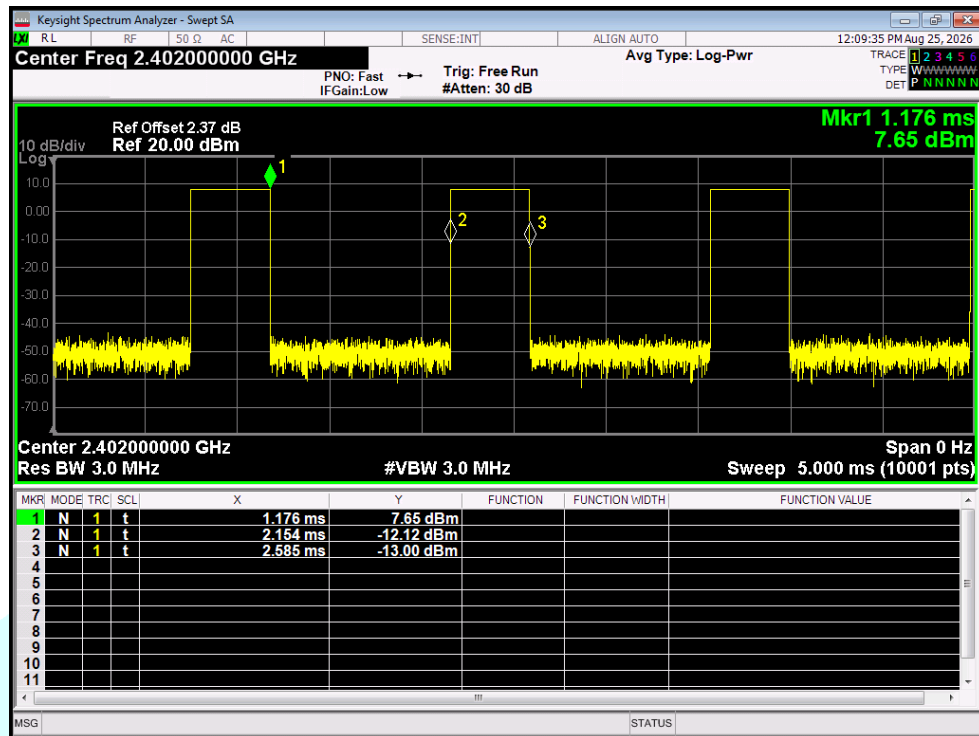
1. Duty Cycle

Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
BLE 1M	2402	30.58	5.15	2.32
	2440	30.55	5.15	2.32
	2480	30.58	5.15	2.32

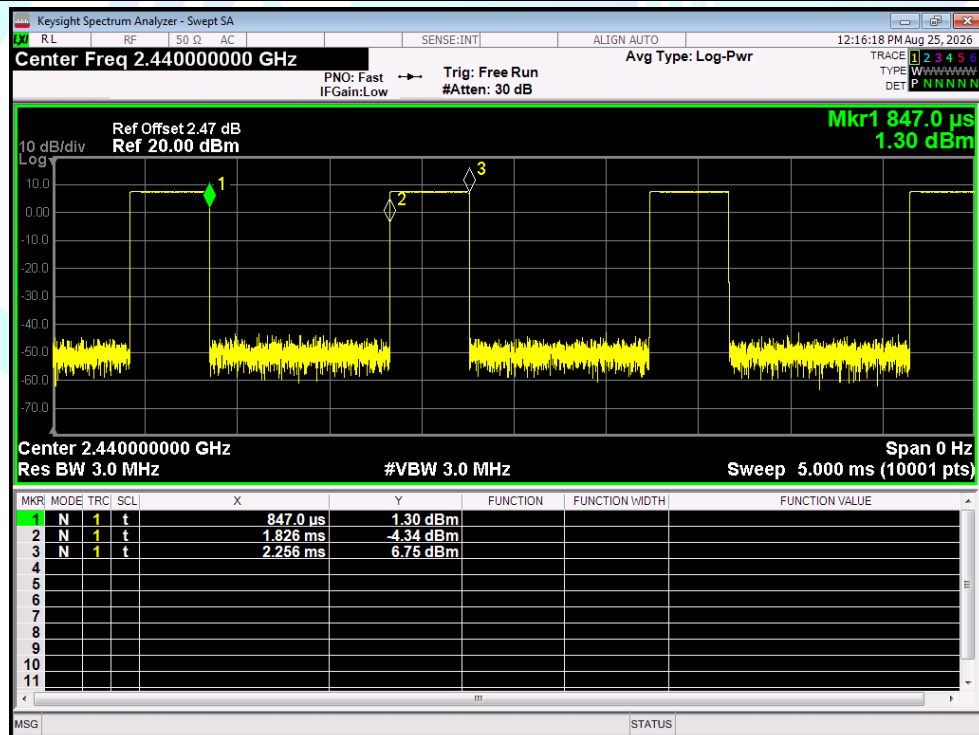


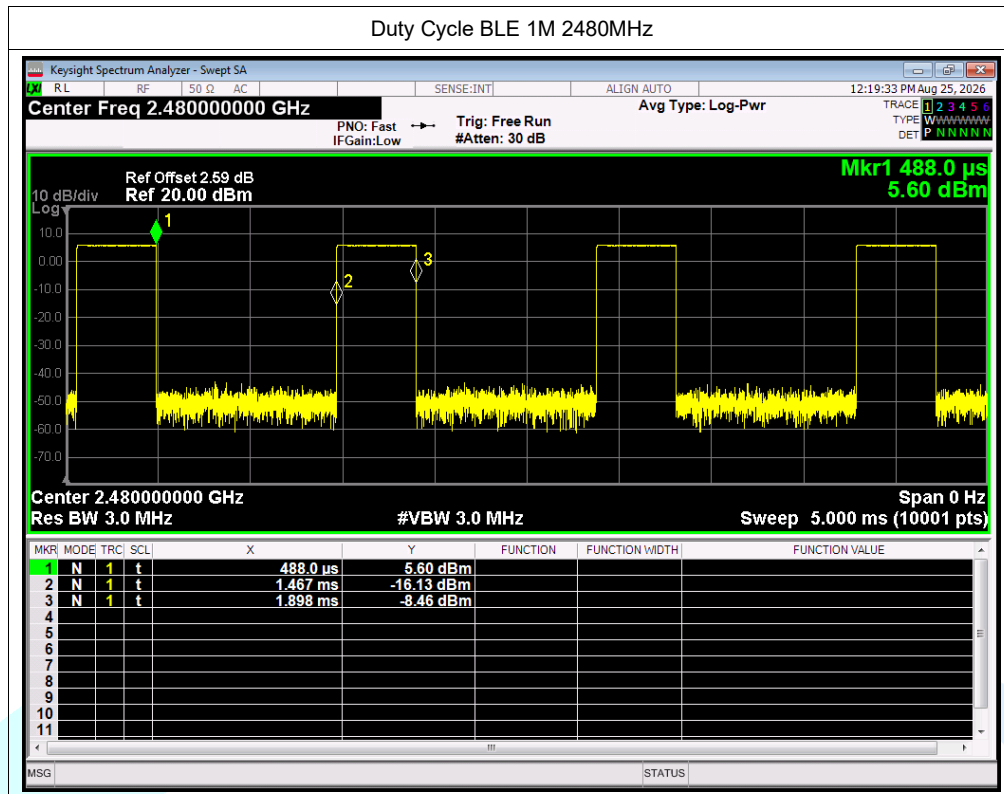
Test Graphs

Duty Cycle BLE 1M 2402MHz



Duty Cycle BLE 1M 2440MHz

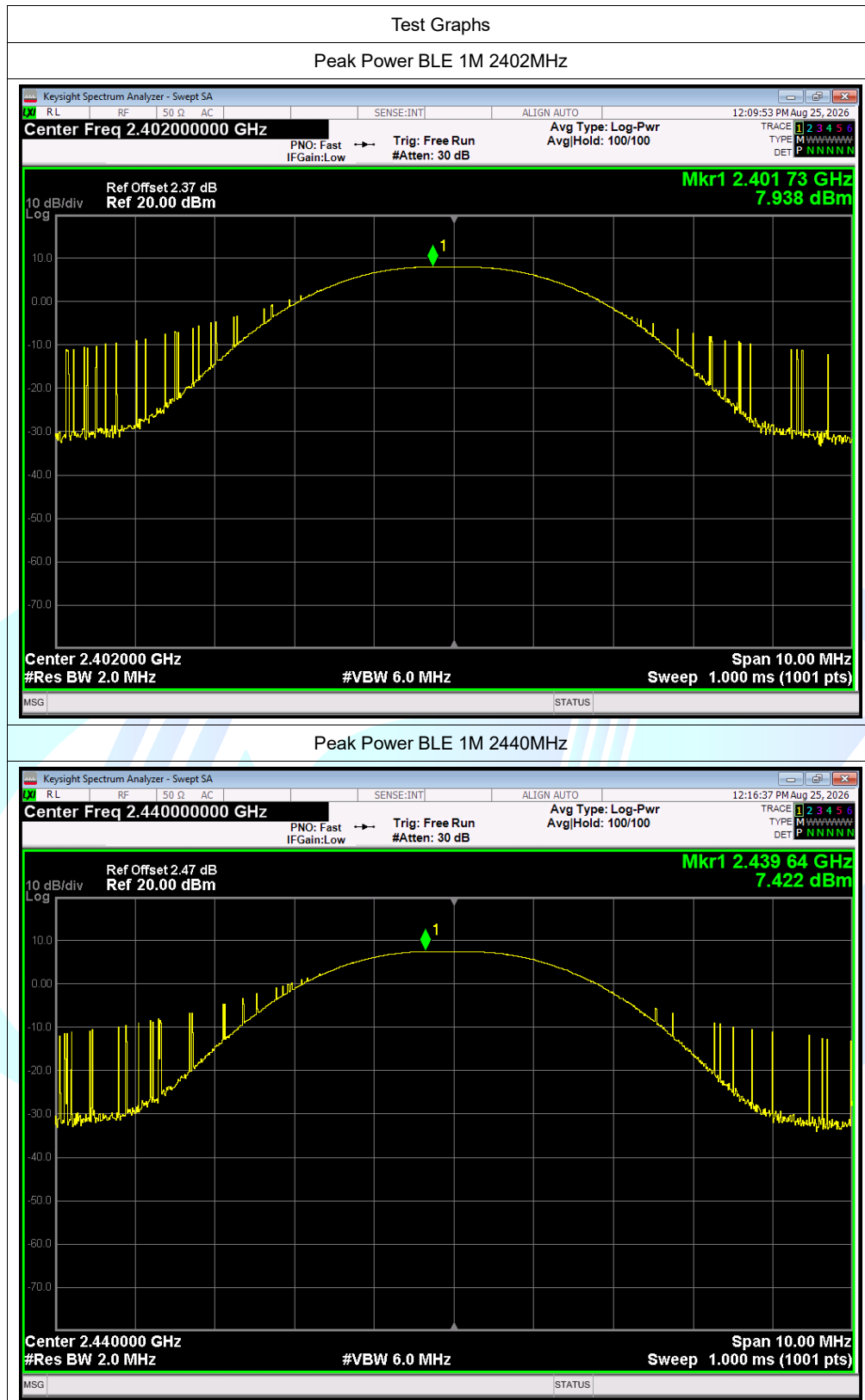


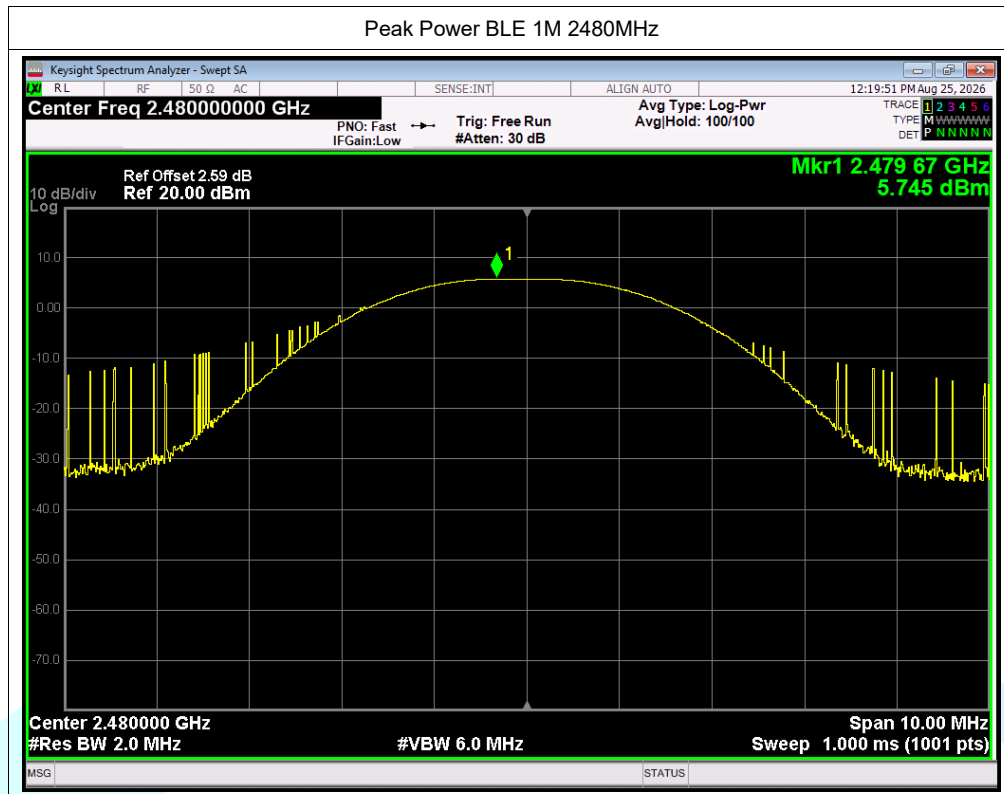


2. Maximum Peak Conducted Output Power

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit Conducted (dBm)	Verdict
BLE 1M	2402	7.94	30	Pass
	2440	7.42	30	Pass
	2480	5.75	30	Pass







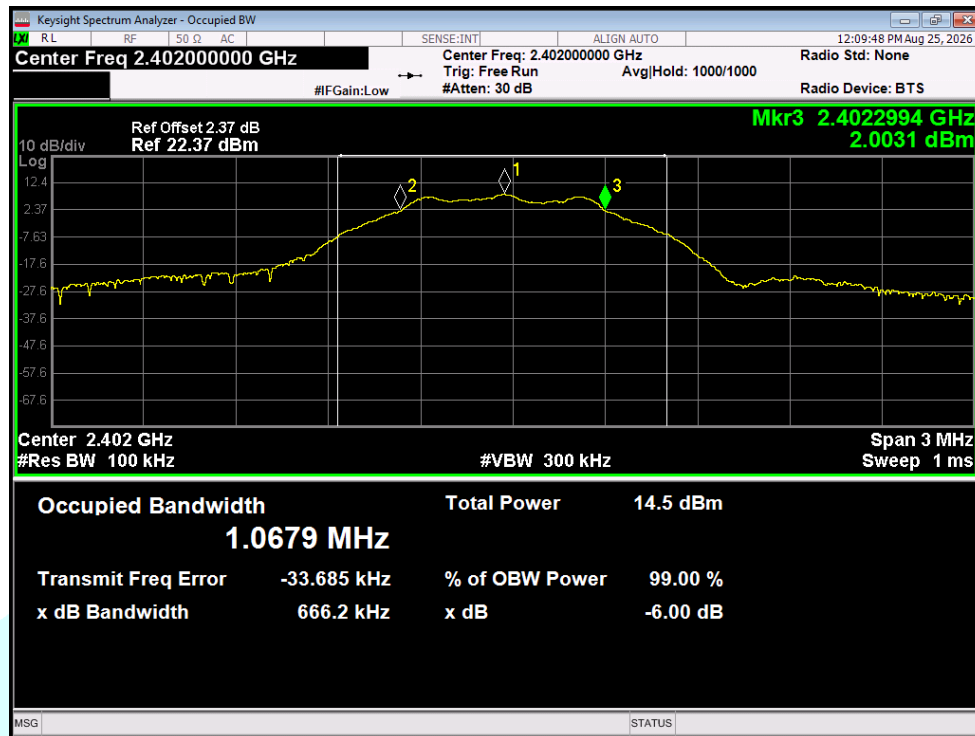
3. -6dB Bandwidth

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.6662	0.5	Pass
	2440	0.6706	0.5	Pass
	2480	0.6689	0.5	Pass

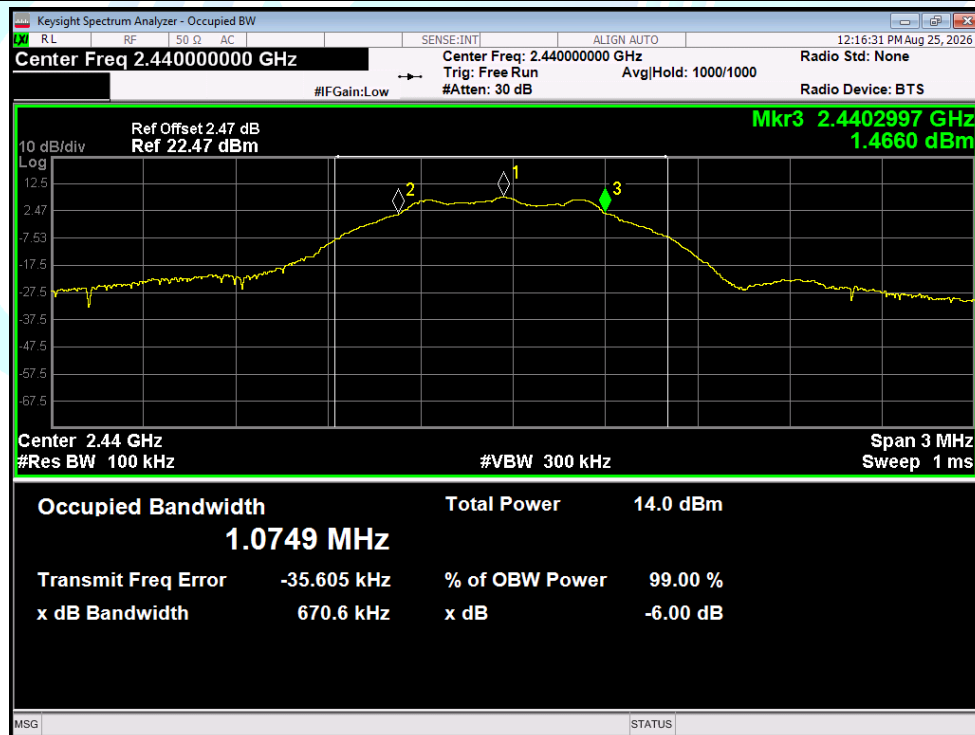


Test Graphs

-6dB Bandwidth BLE 1M 2402MHz



-6dB Bandwidth BLE 1M 2440MHz





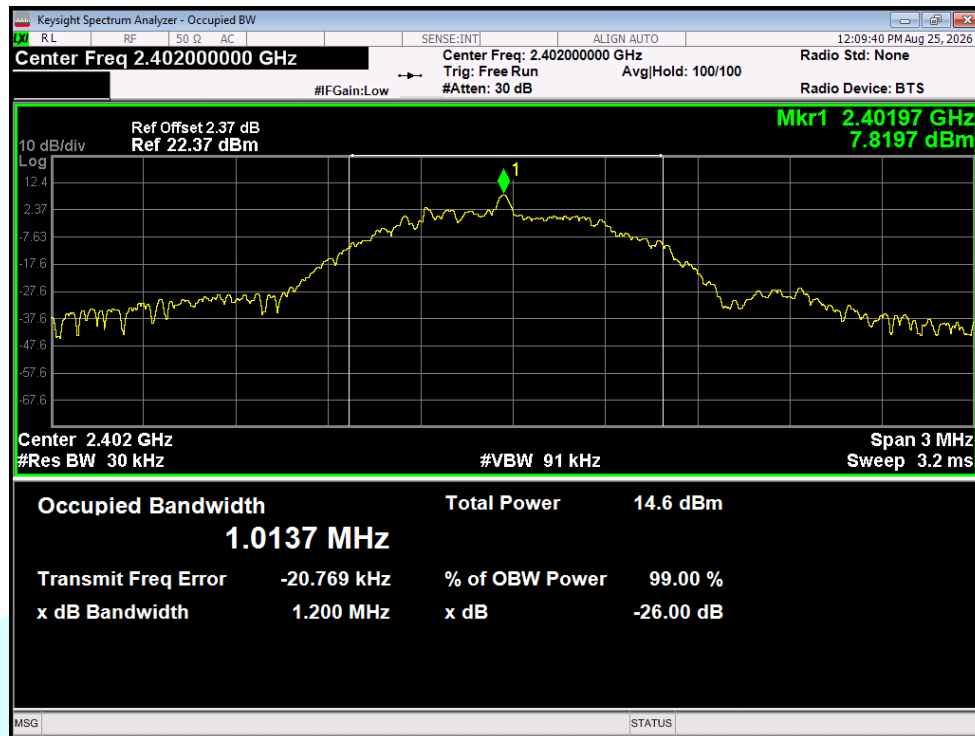
4. Occupied Channel Bandwidth

Mode	Frequency (MHz)	99% OBW (MHz)
BLE 1M	2402	1.0137
	2440	1.0442
	2480	1.0266

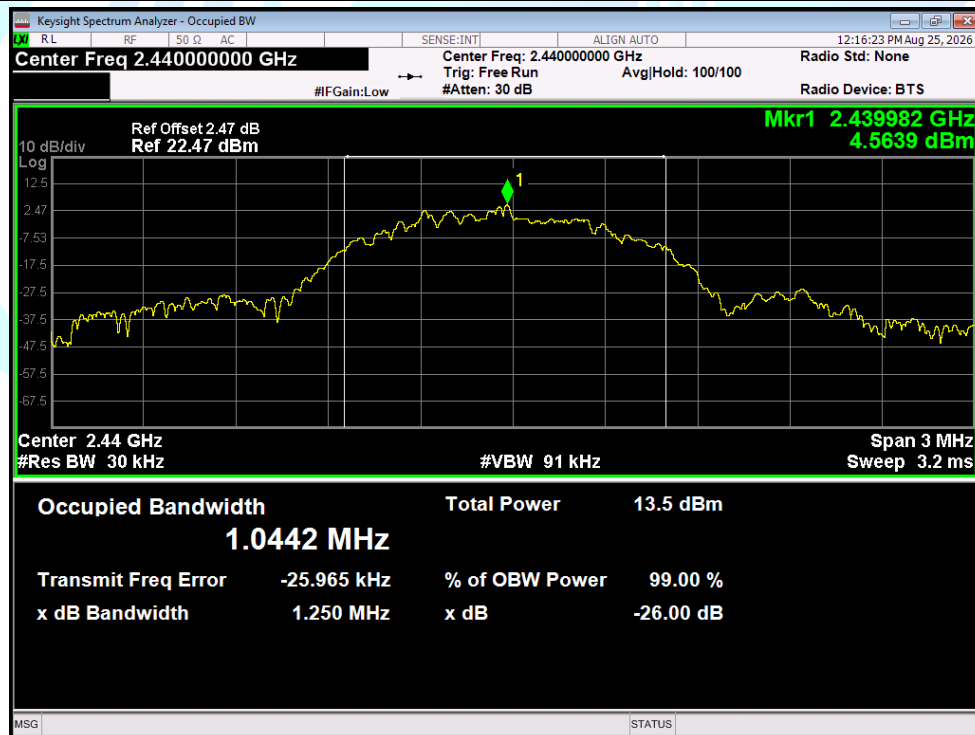


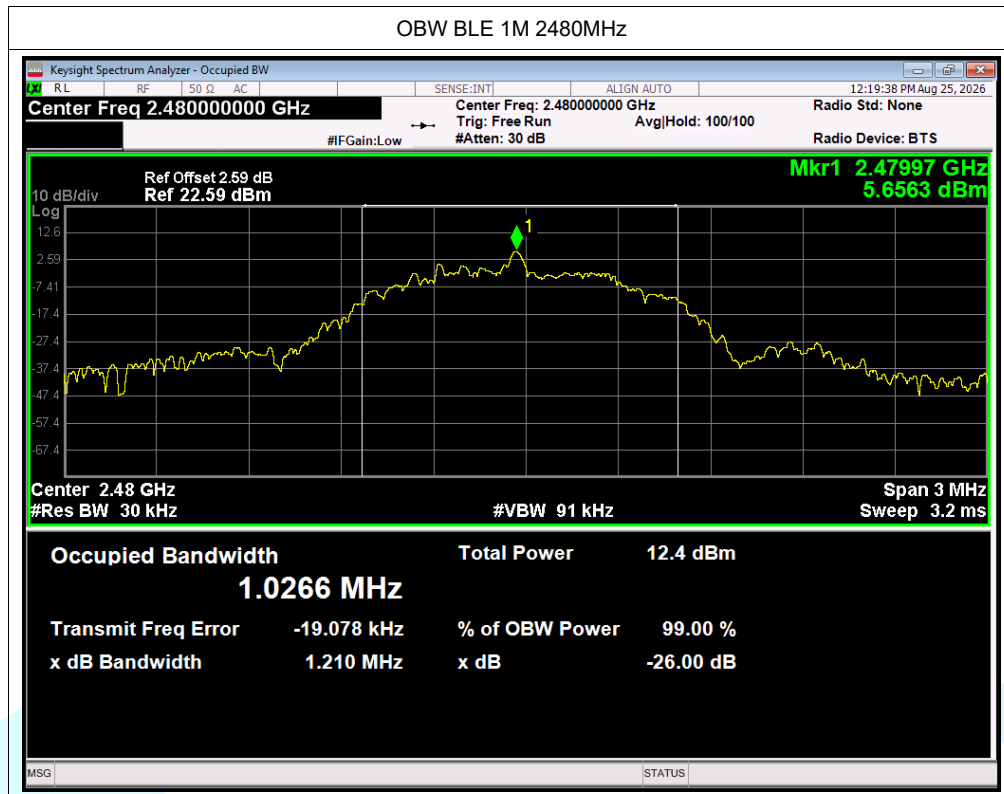
Test Graphs

OBW BLE 1M 2402MHz



OBW BLE 1M 2440MHz

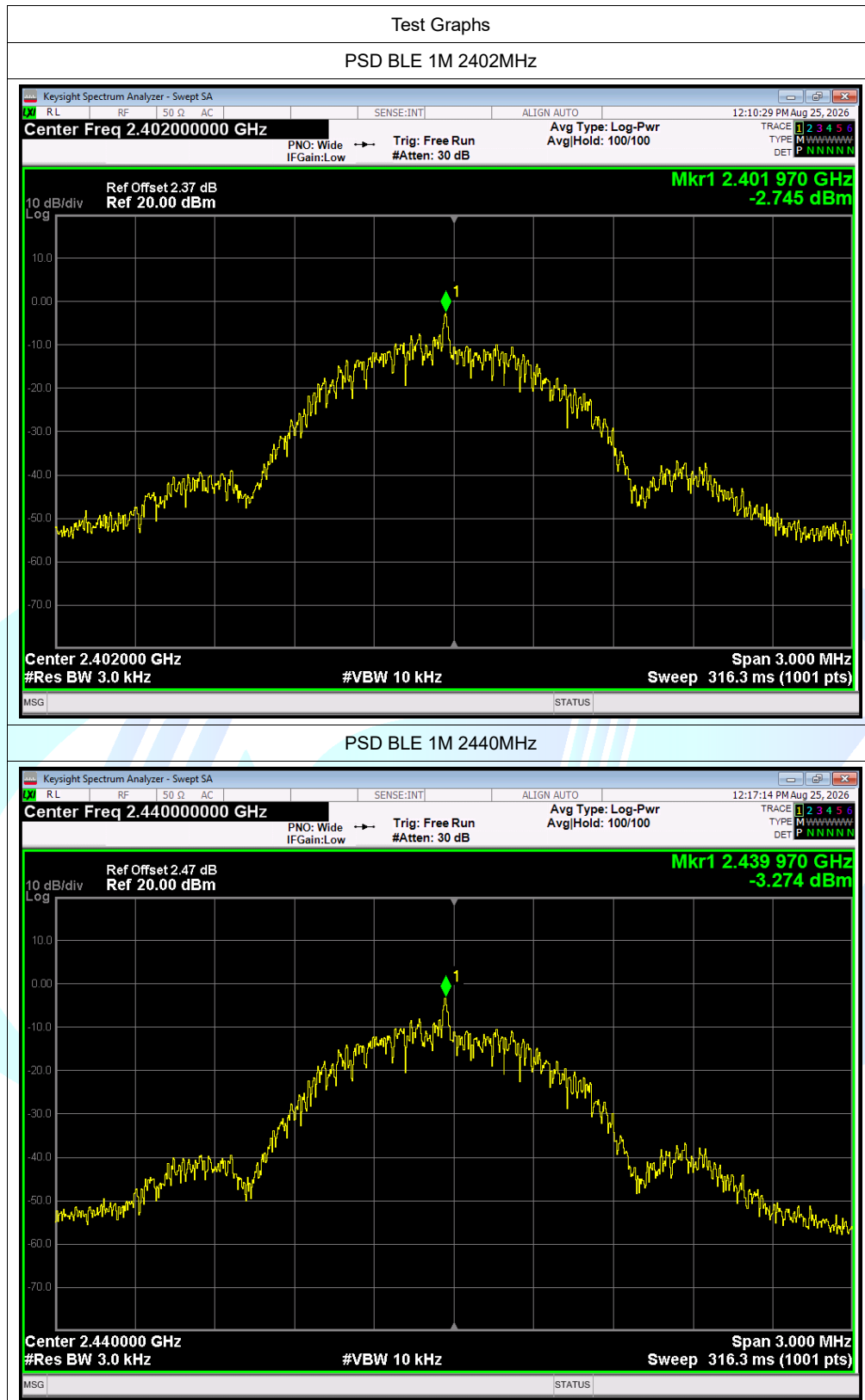


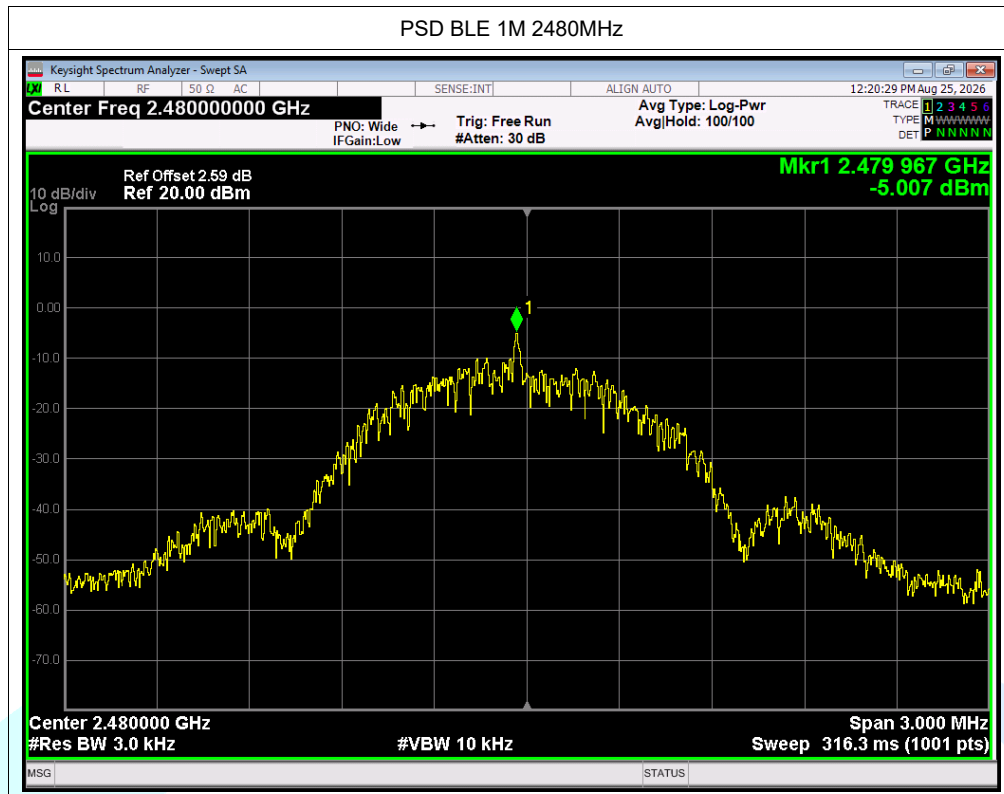


5. Maximum Power Spectral Density Level

Mode	Frequency (MHz)	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-2.75	8	Pass
	2440	-3.27	8	Pass
	2480	-5.01	8	Pass



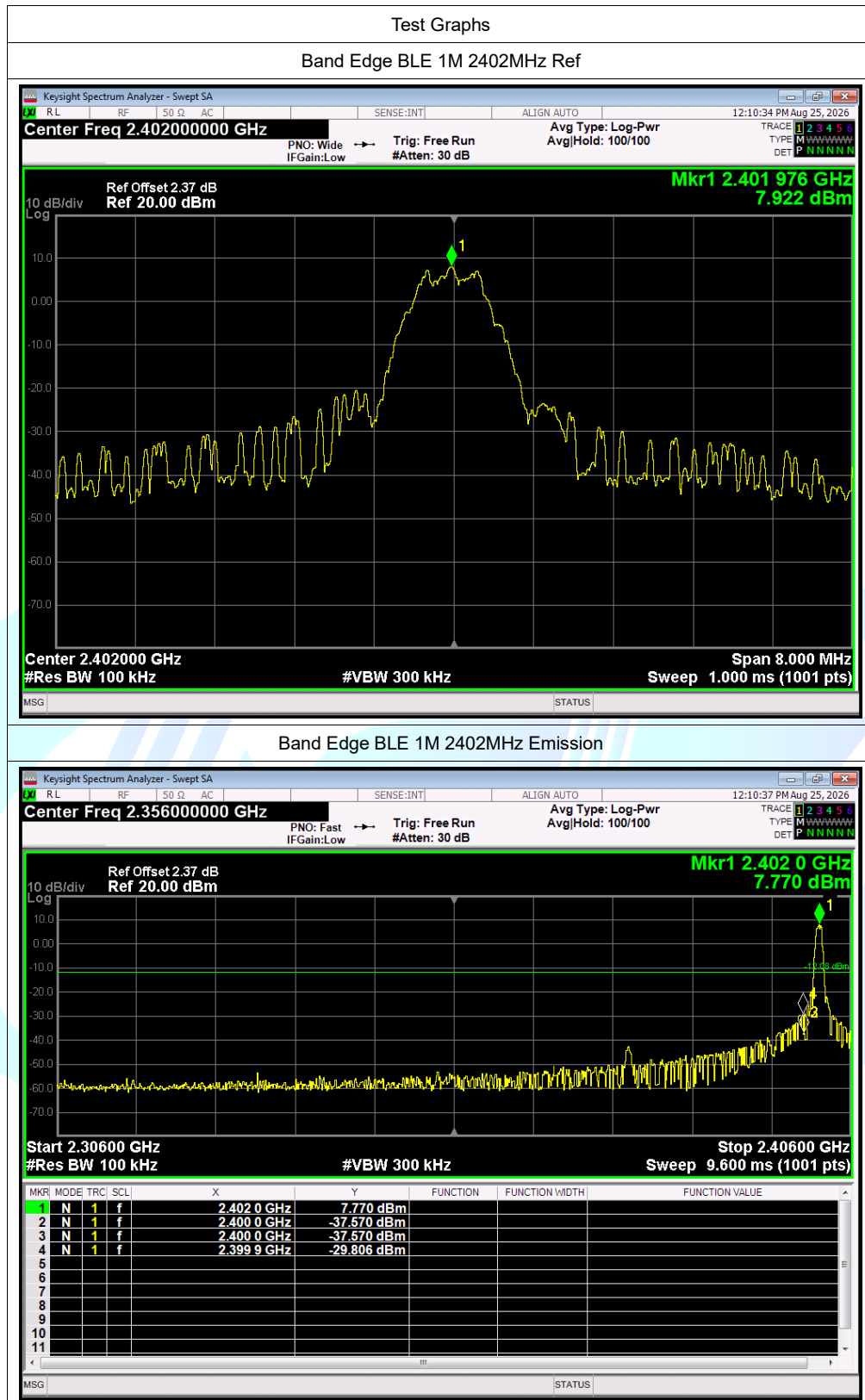


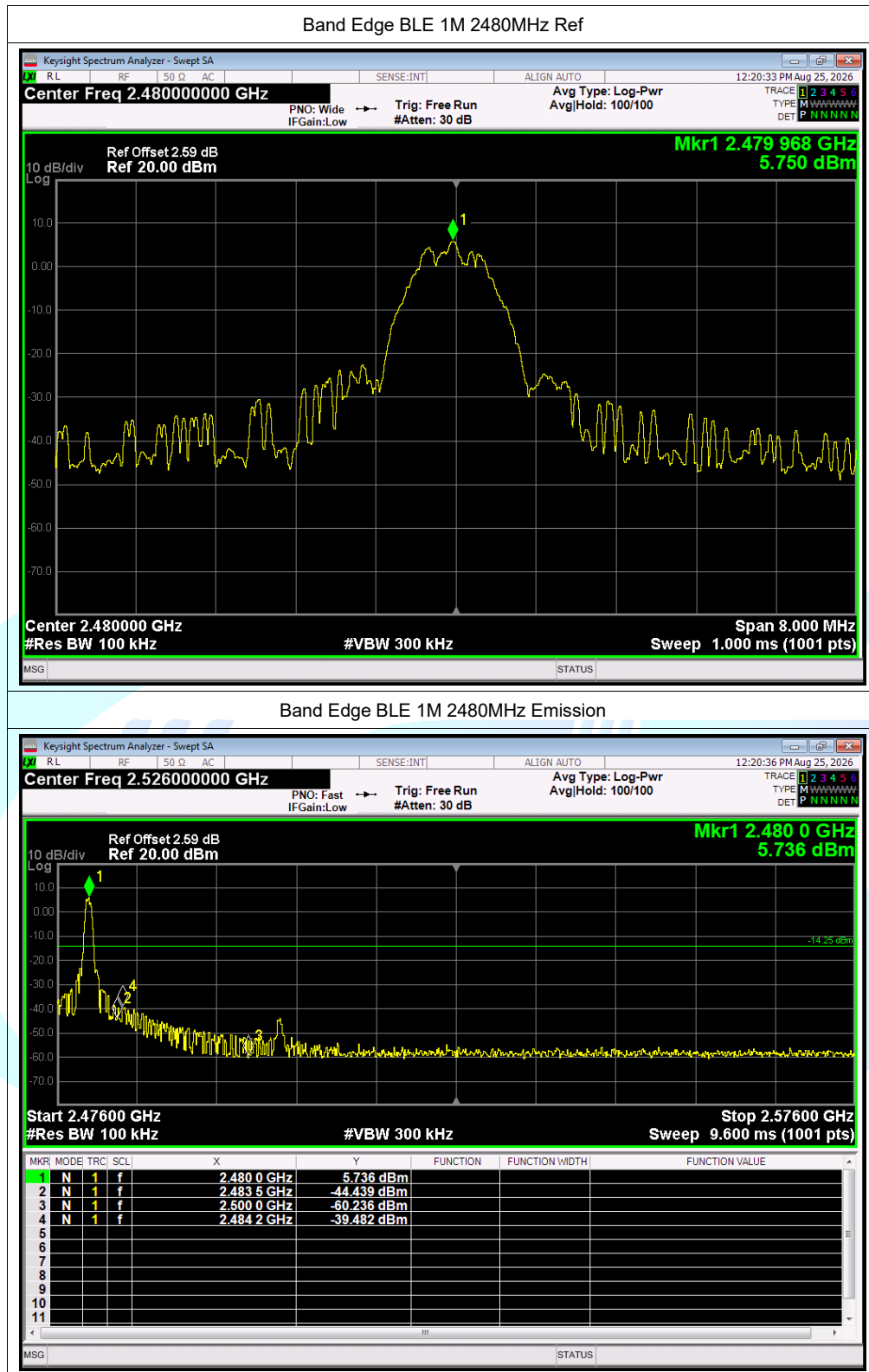


6. Band Edge

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-37.72	-20	Pass
	2480	-45.23	-20	Pass







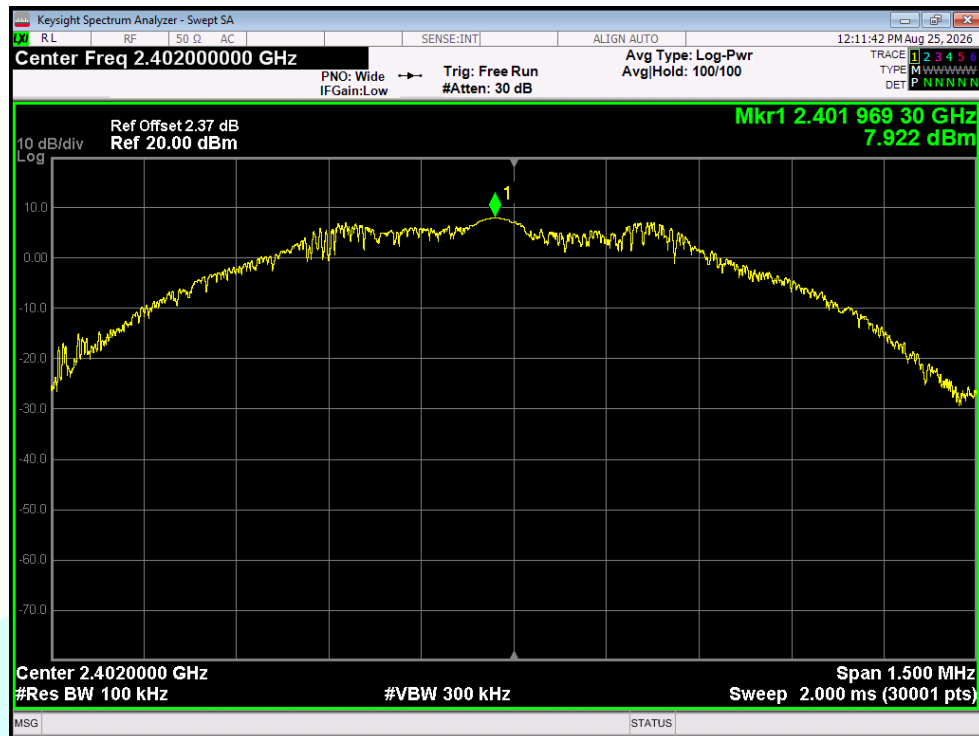
7. Conducted RF Spurious Emission

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-41.61	-20	Pass
	2440	-41.26	-20	Pass
	2480	-39.43	-20	Pass

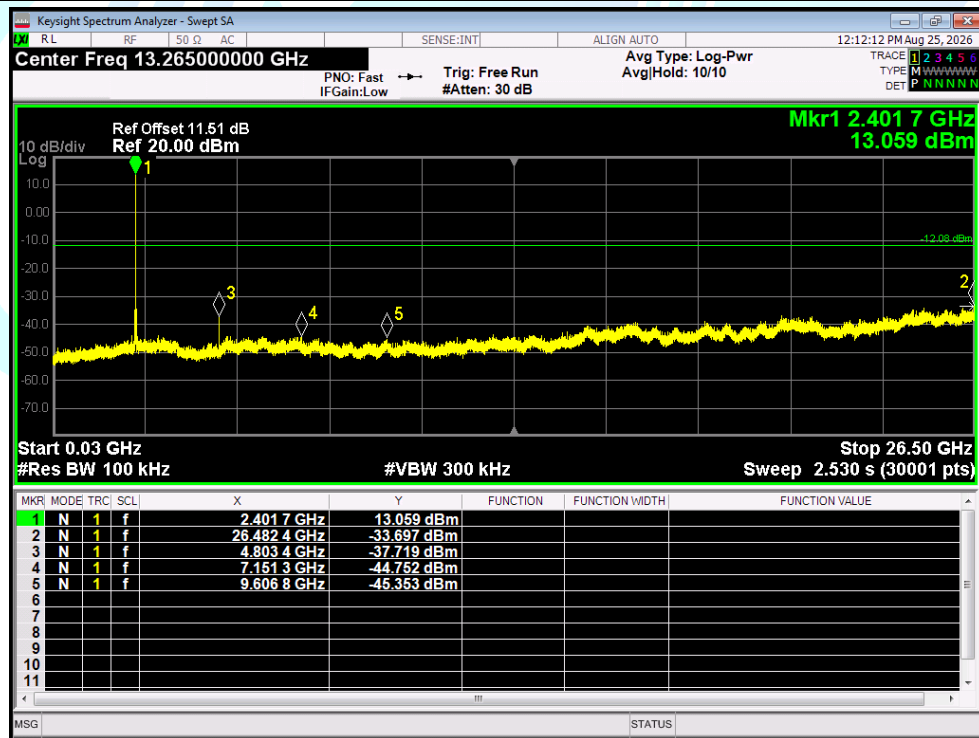


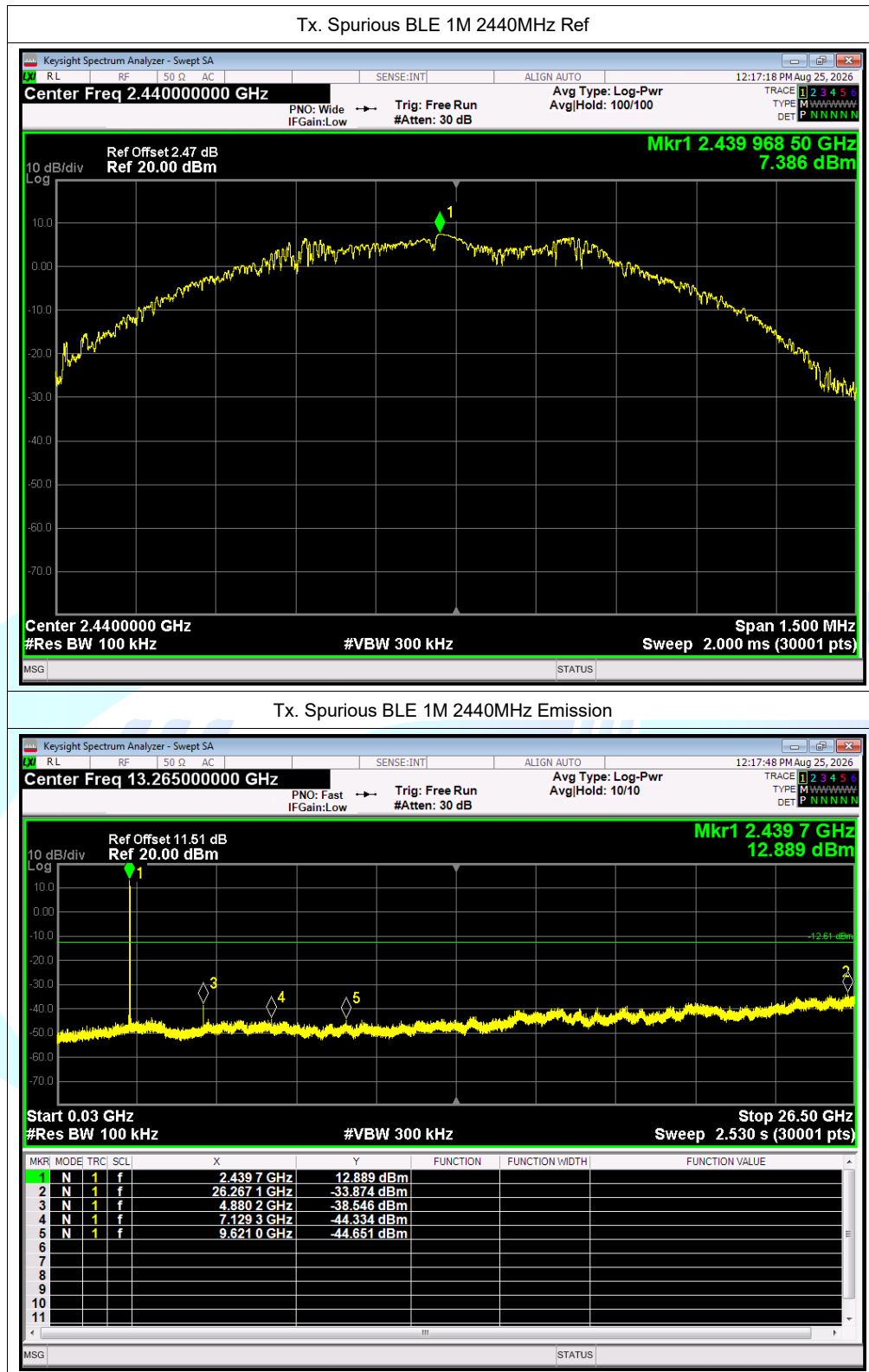
Test Graphs

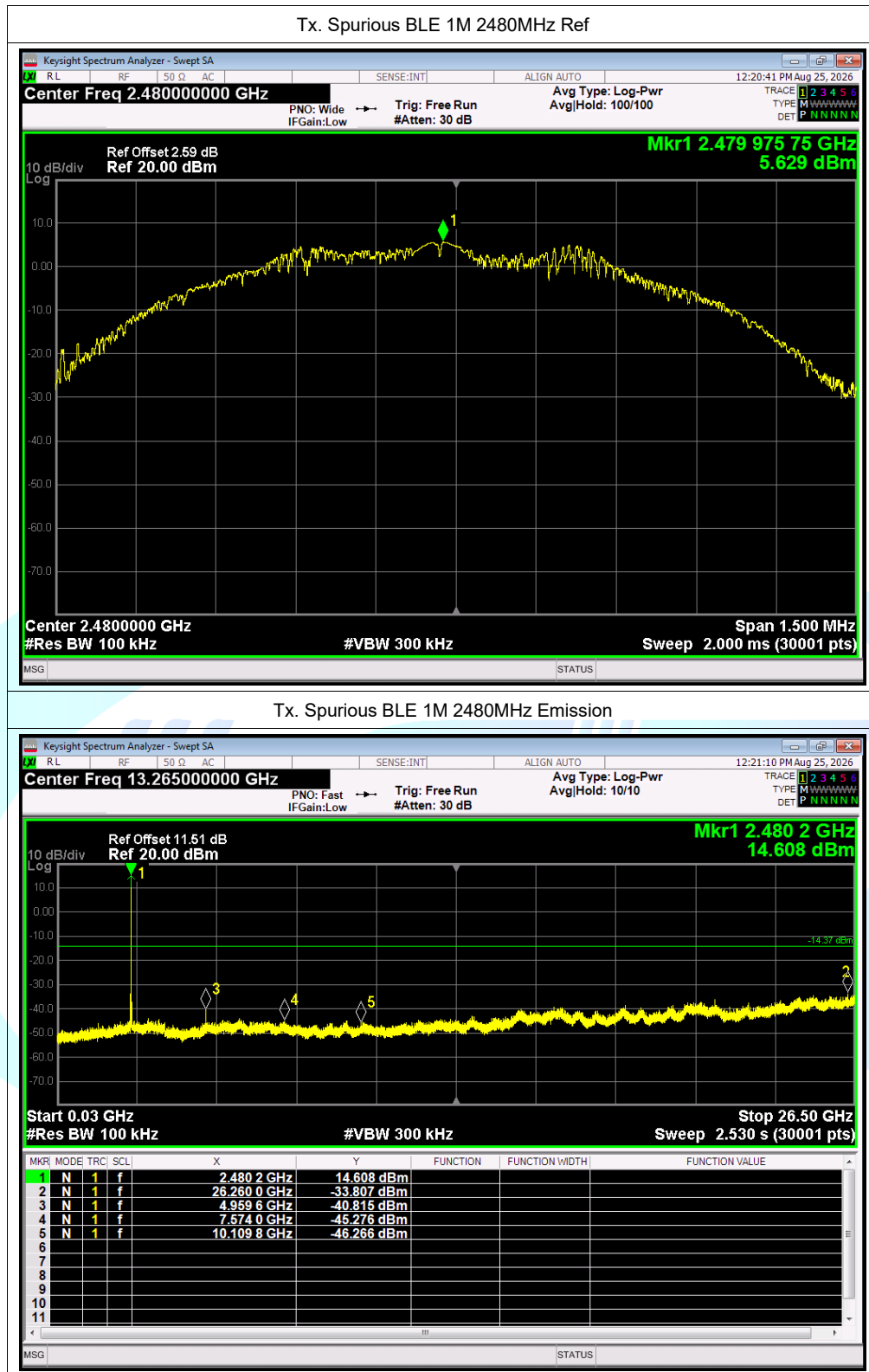
Tx. Spurious BLE 1M 2402MHz Ref



Tx. Spurious BLE 1M 2402MHz Emission







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