

Appendix – BLE Test Data

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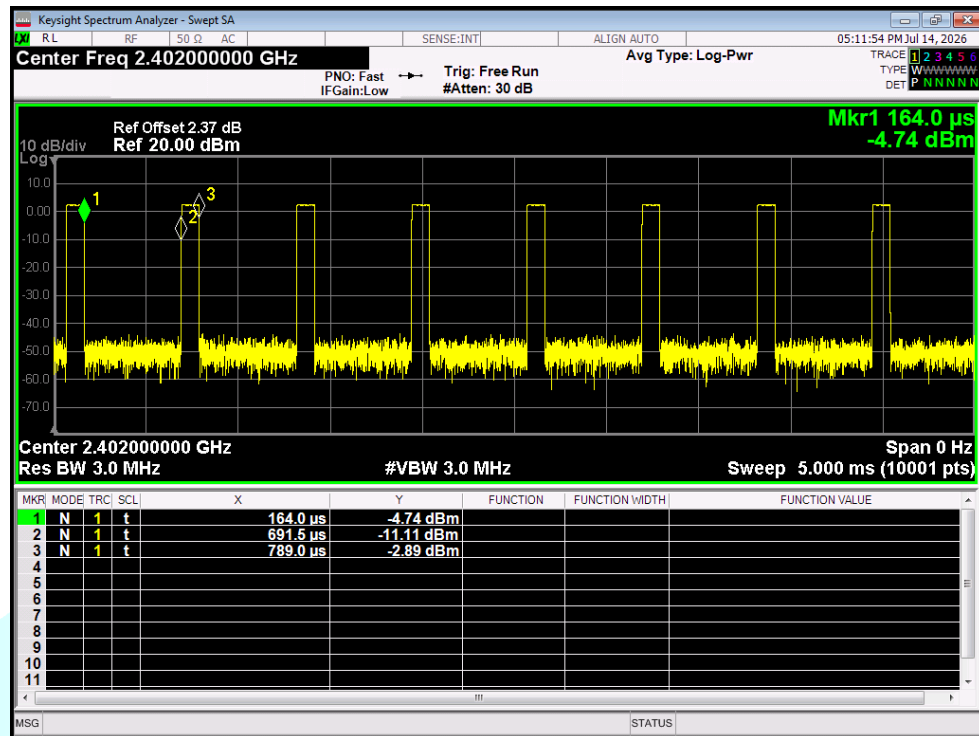
1 Duty Cycle

Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
BLE 1M	2402	15.60	8.07	10.26
	2440	15.60	8.07	10.26
	2480	15.67	8.05	10.20

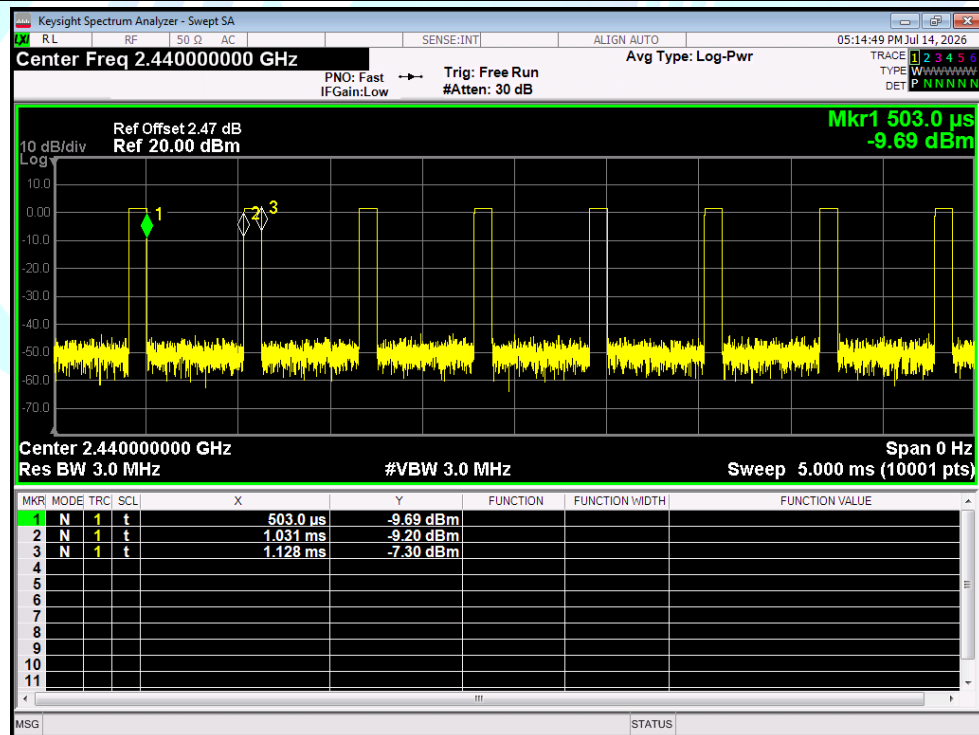


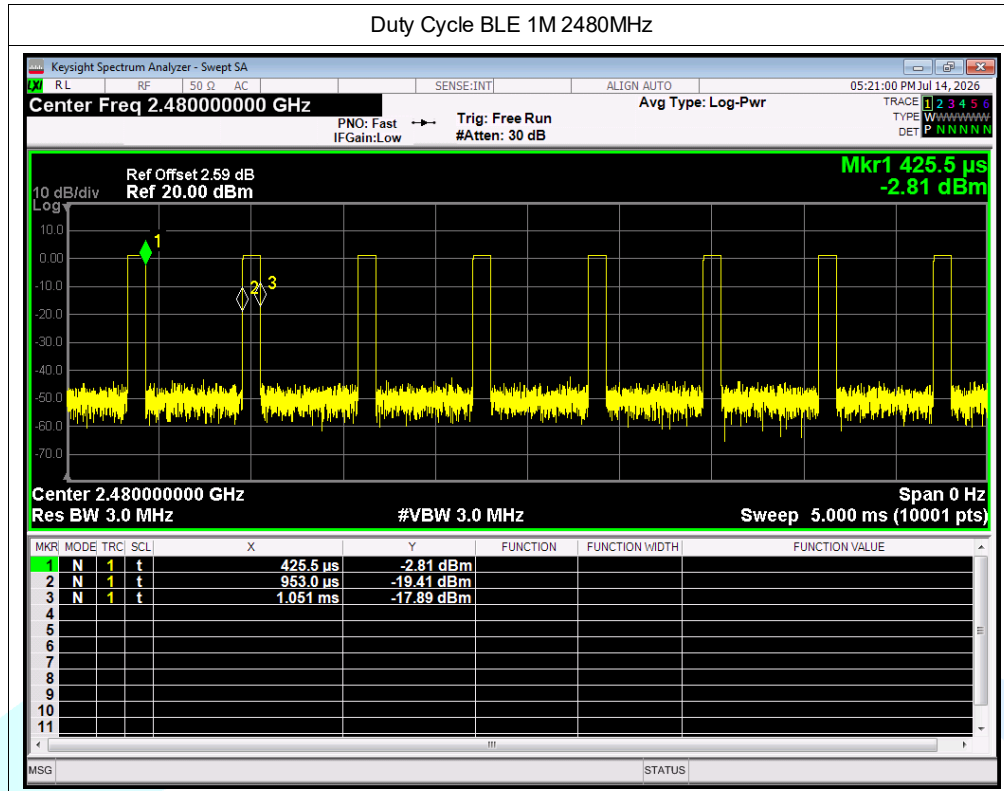
Test Graphs

Duty Cycle BLE 1M 2402MHz



Duty Cycle BLE 1M 2440MHz

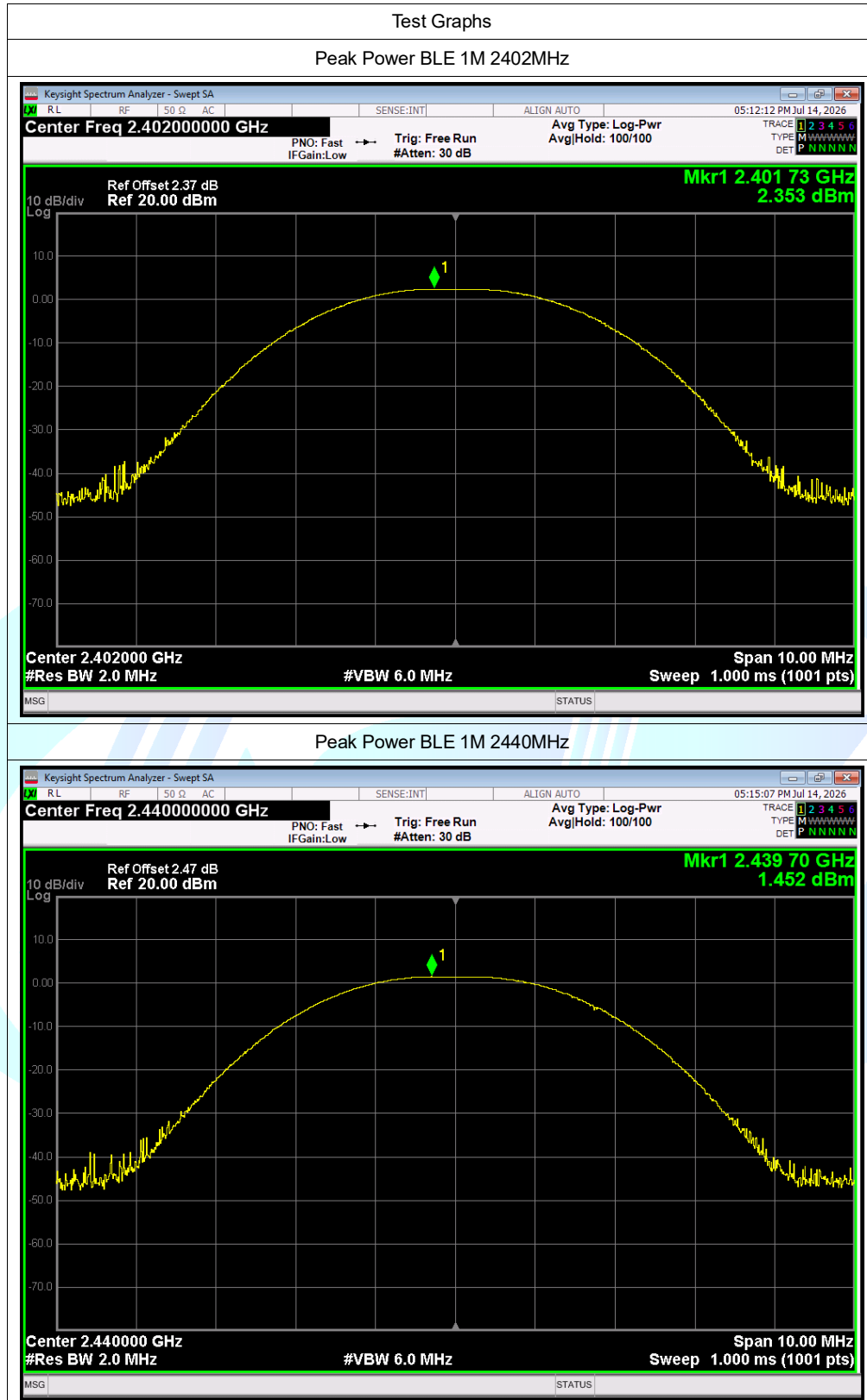


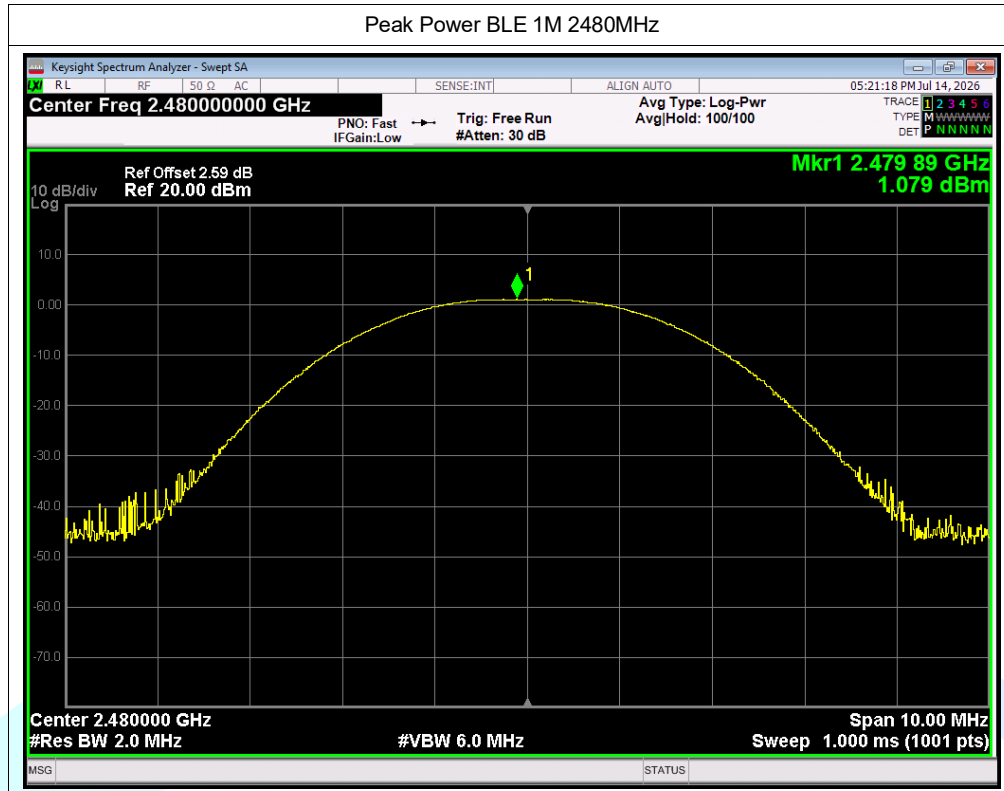


2 Maximum Peak Conducted Output Power

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	2.35	30	Pass
	2440	1.45	30	Pass
	2480	1.08	30	Pass







3 -6dB Bandwidth

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.5581	0.5	Pass
	2440	0.5572	0.5	Pass
	2480	0.5647	0.5	Pass





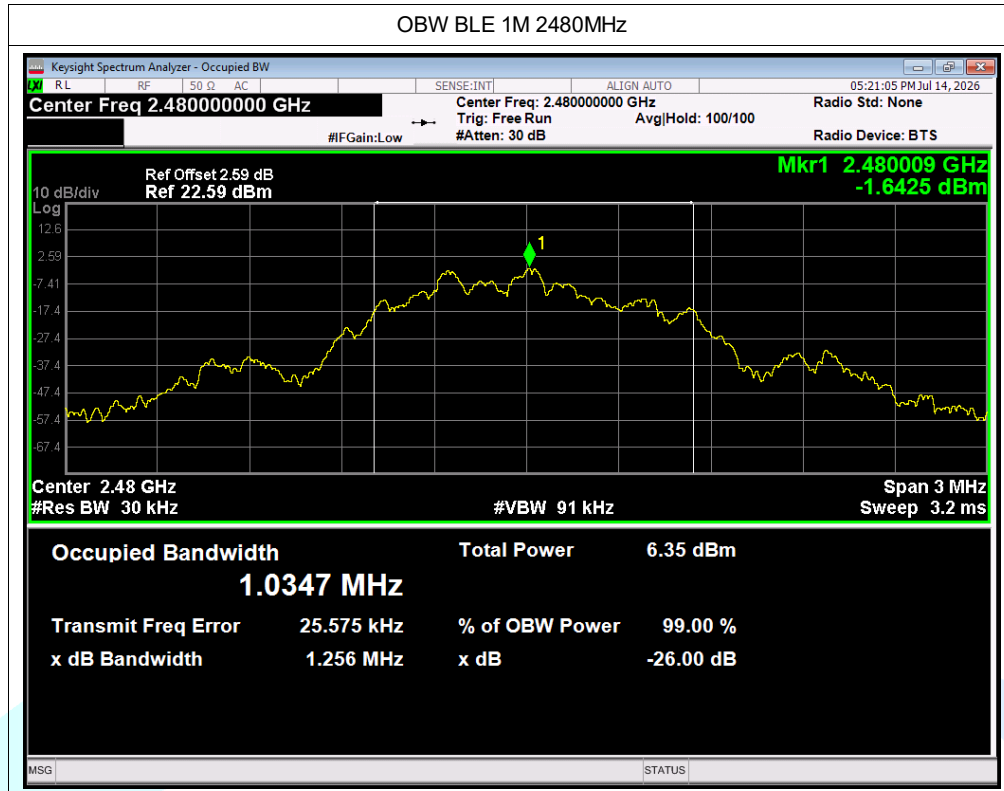


4 Occupied Channel Bandwidth

Mode	Frequency (MHz)	99% OBW (MHz)
BLE 1M	2402	1.0231
	2440	1.0361
	2480	1.0347



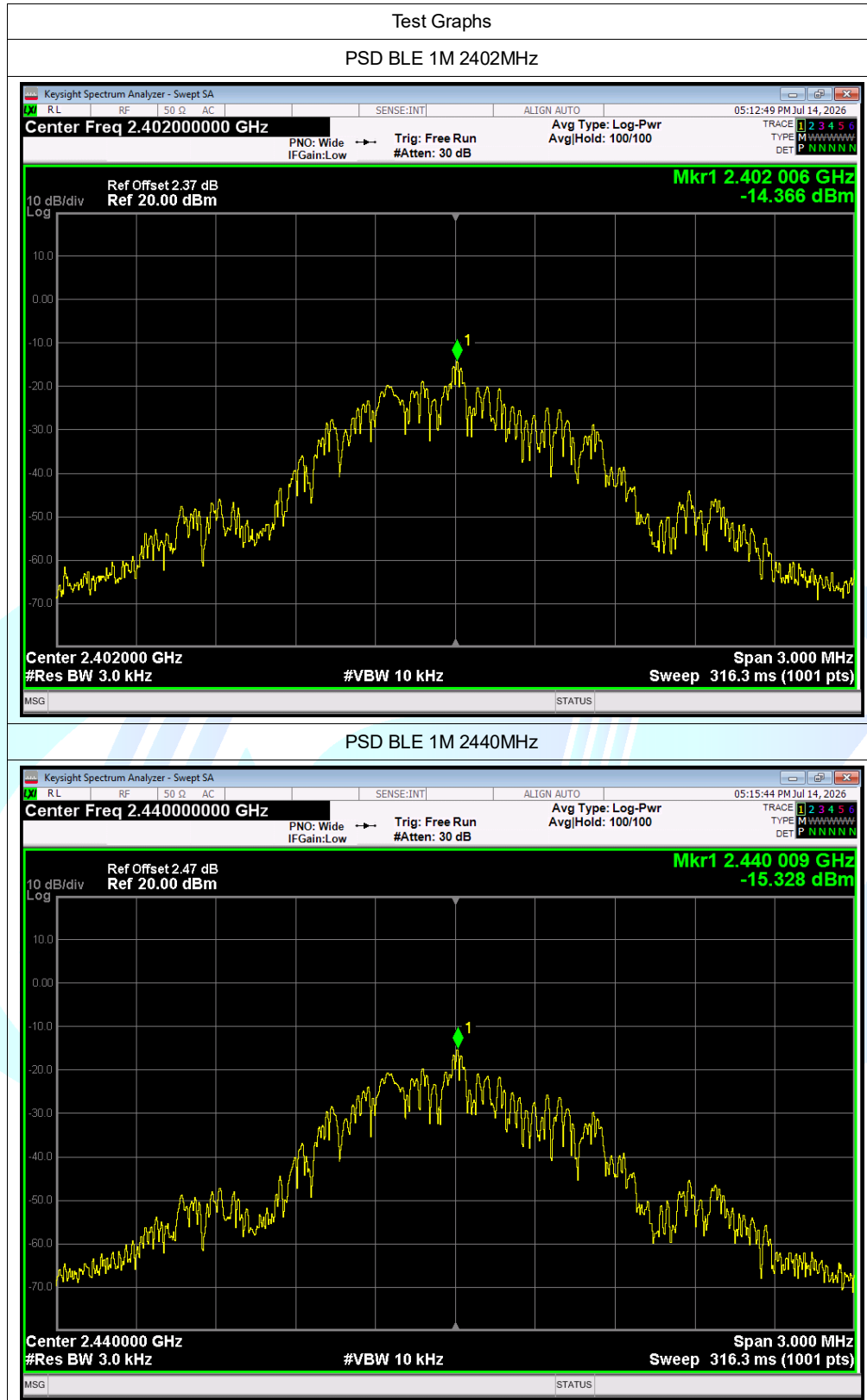


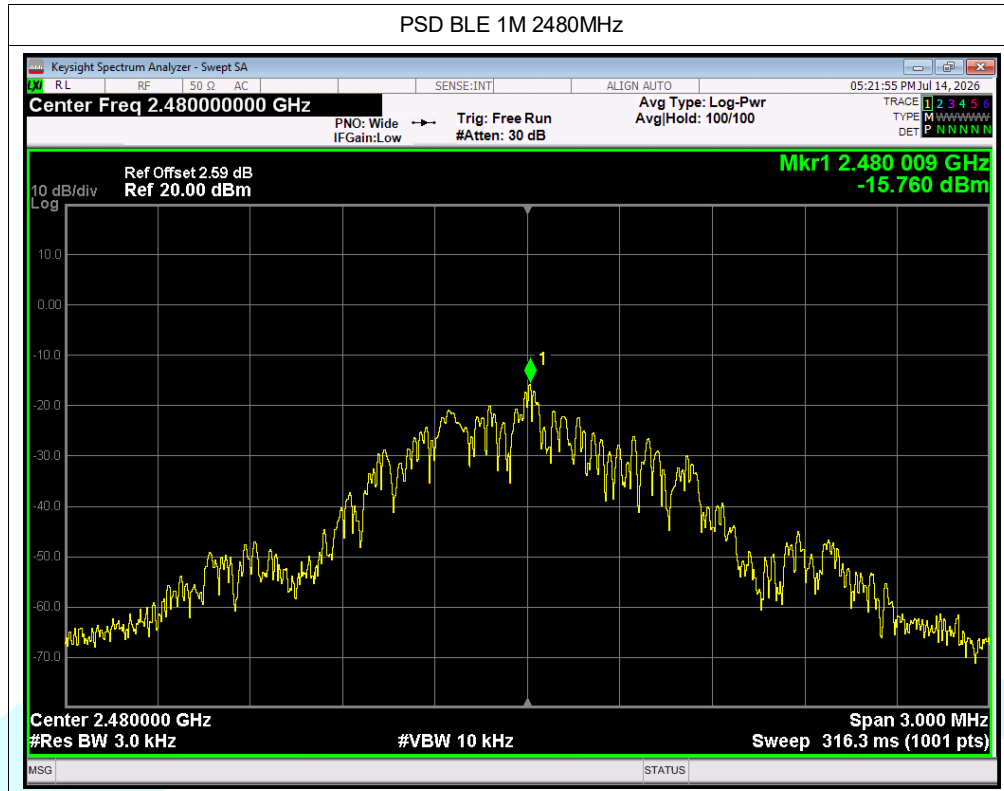


5 Maximum Power Spectral Density Level

Mode	Frequency (MHz)	Conducted PSD (dBm/3kHz)	Limit. (dBm/3kHz)	Verdict
BLE 1M	2402	-14.37	8	Pass
	2440	-15.33	8	Pass
	2480	-15.76	8	Pass



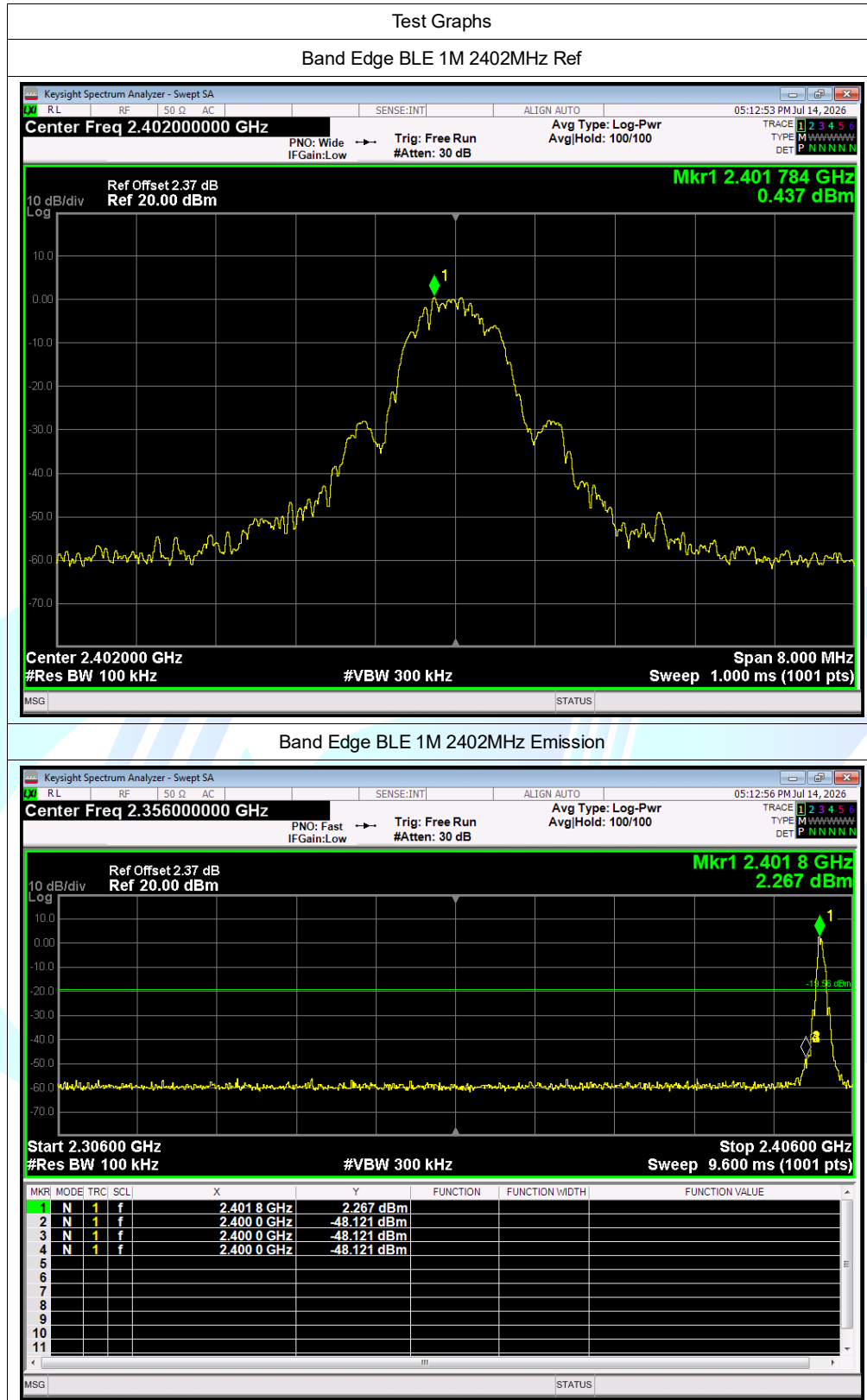


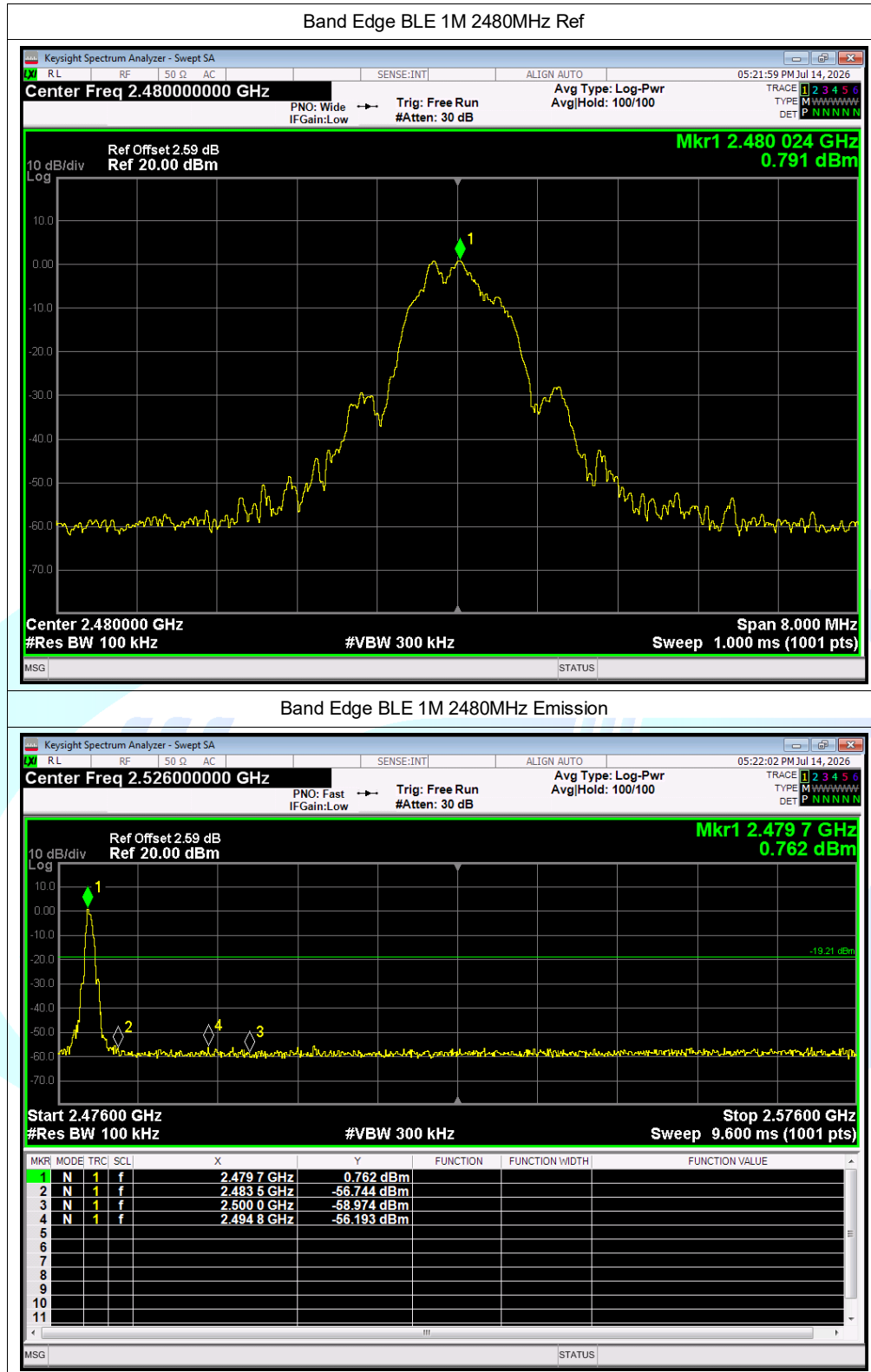


6 Band Edge

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-48.56	-20	Pass
	2480	-56.98	-20	Pass







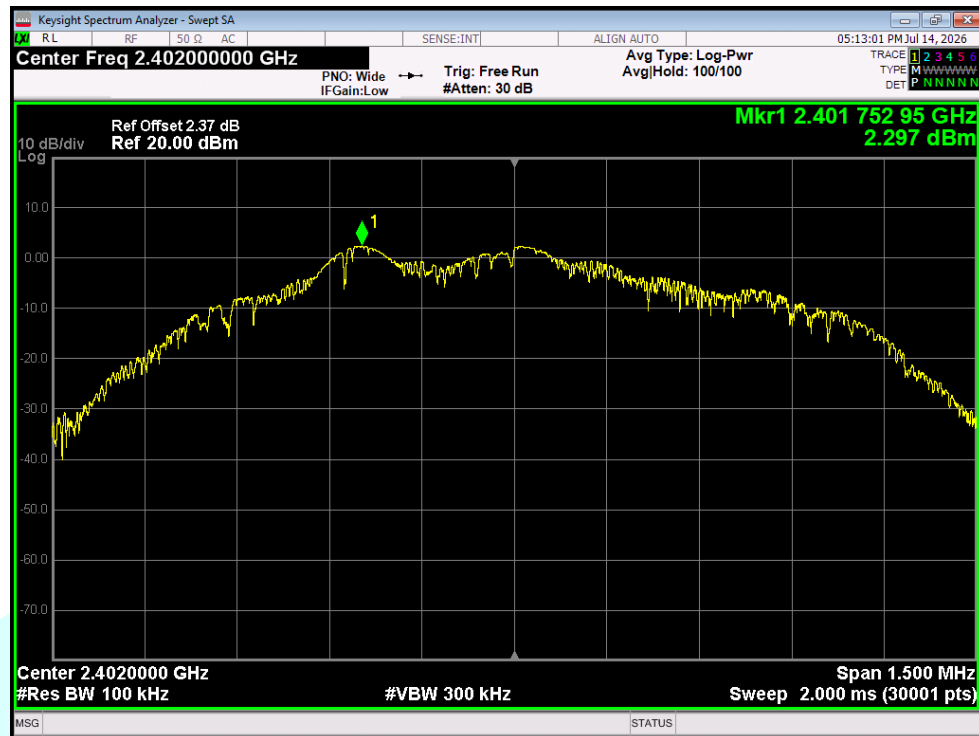
7 Conducted RF Spurious Emission

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-43.33	-20	Pass
	2440	-41.47	-20	Pass
	2480	-41.32	-20	Pass

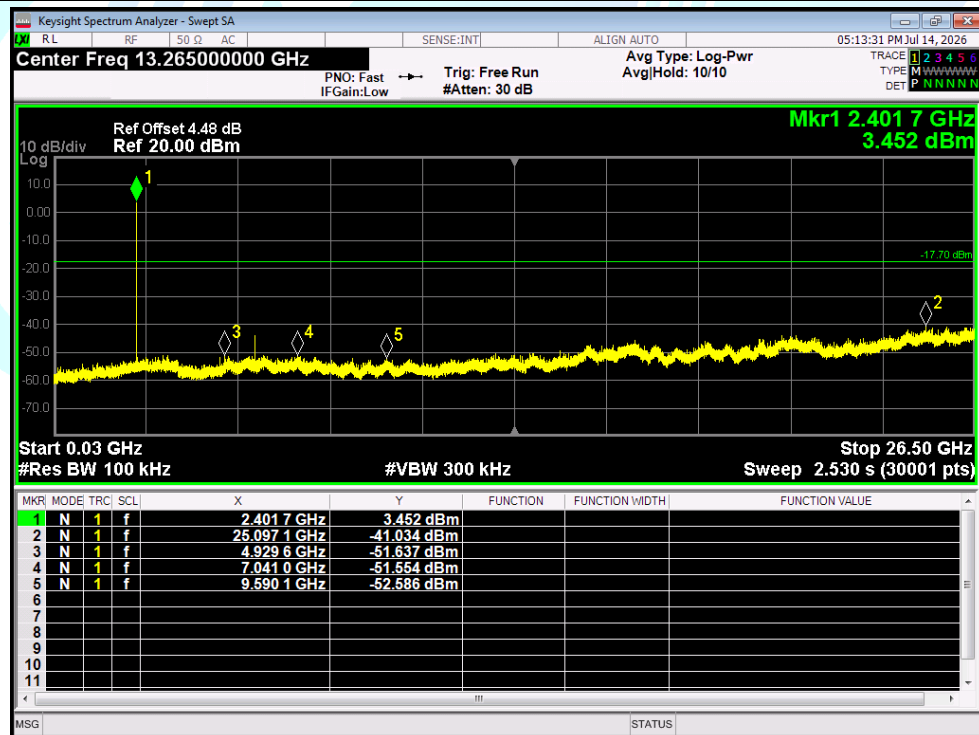


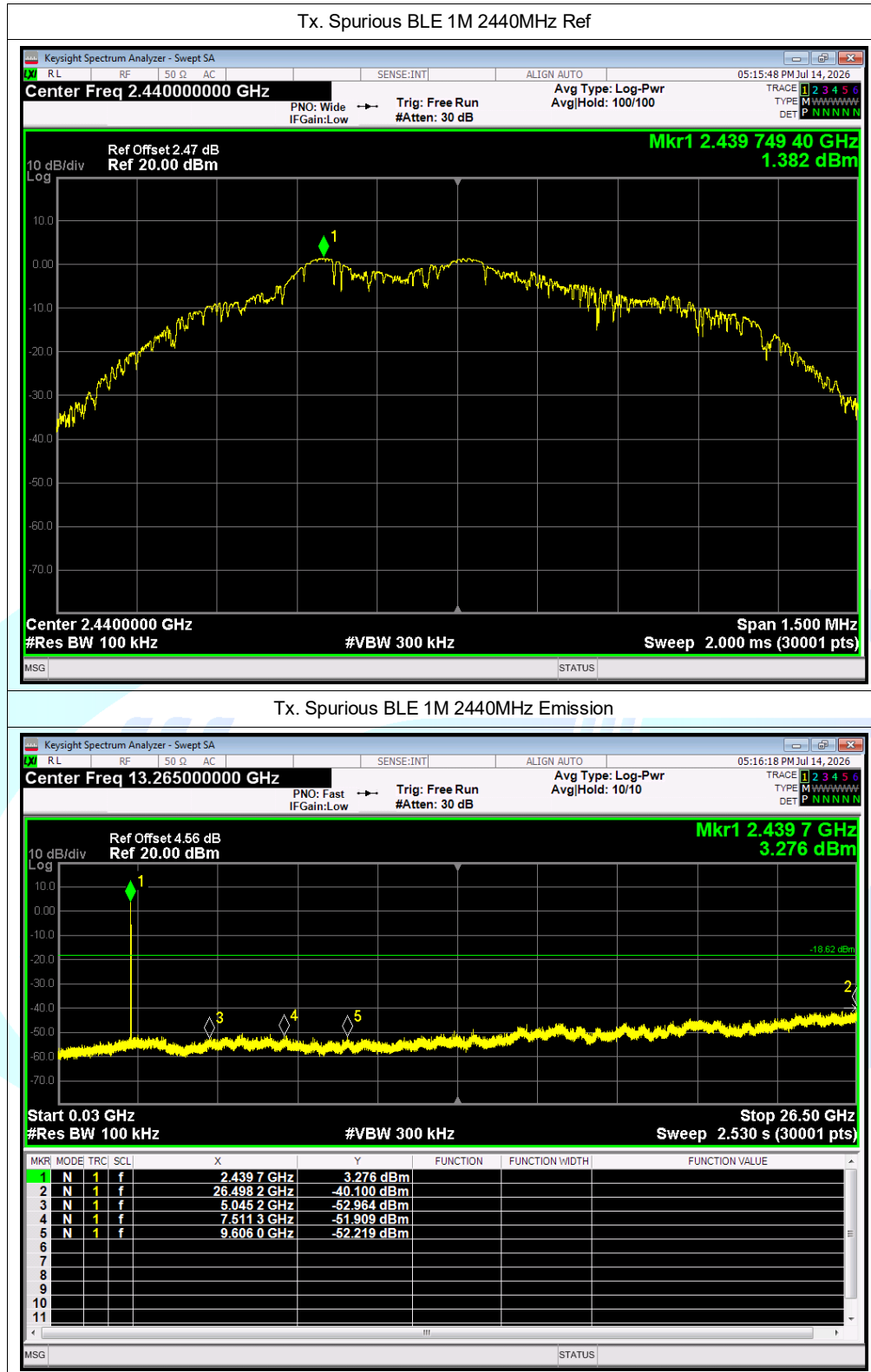
Test Graphs

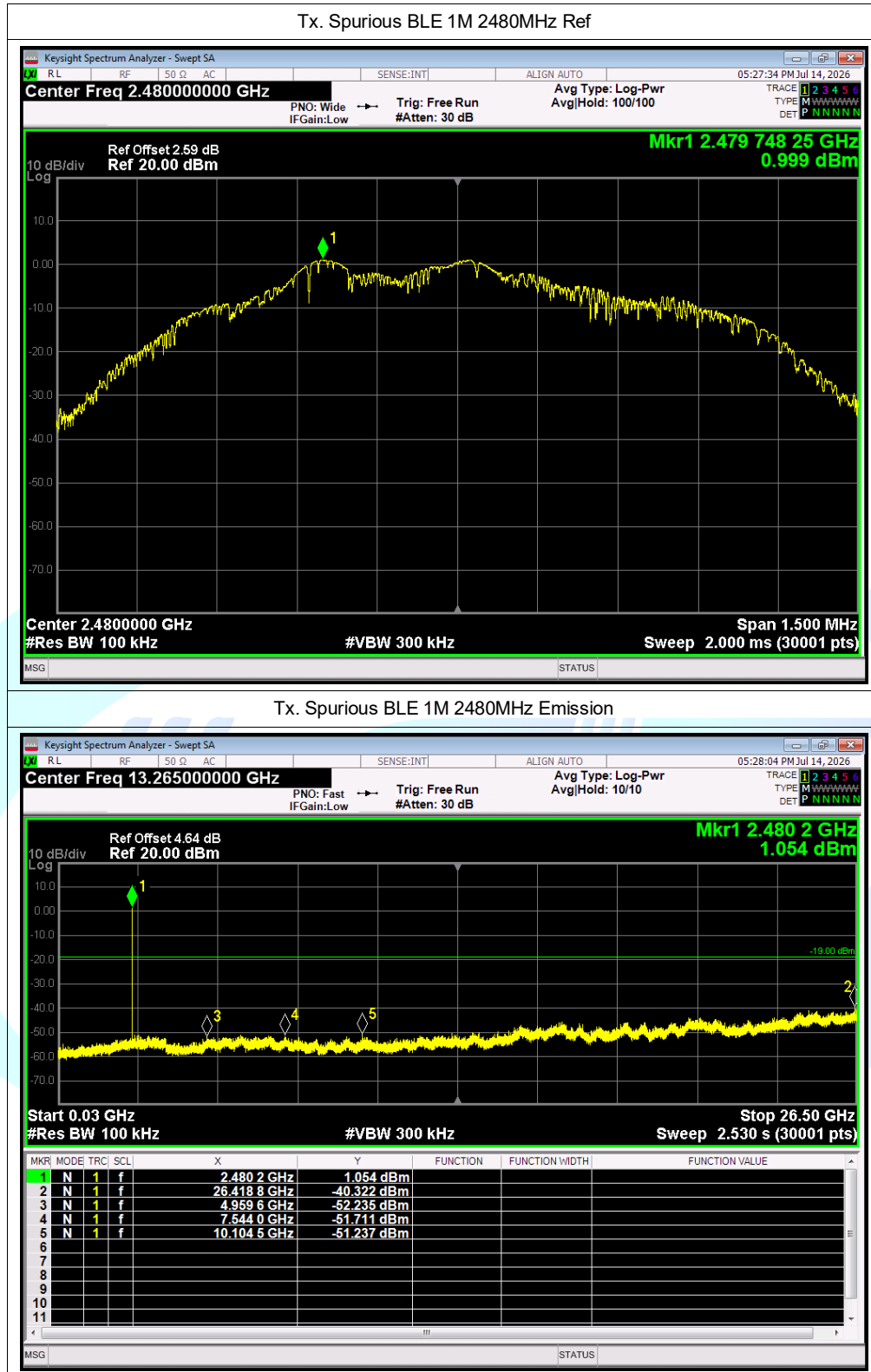
Tx. Spurious BLE 1M 2402MHz Ref



Tx. Spurious BLE 1M 2402MHz Emission







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