

Test Data Appendix For BLE

Table of Contents

Table of Contents	2
Duty Cycle.....	3
Maximum Peak Conducted Output Power	6
-6dB Bandwidth	9
Occupied Channel Bandwidth.....	12
Maximum Power Spectral Density Level.....	15
Band Edge	18
Conducted RF Spurious Emission	21



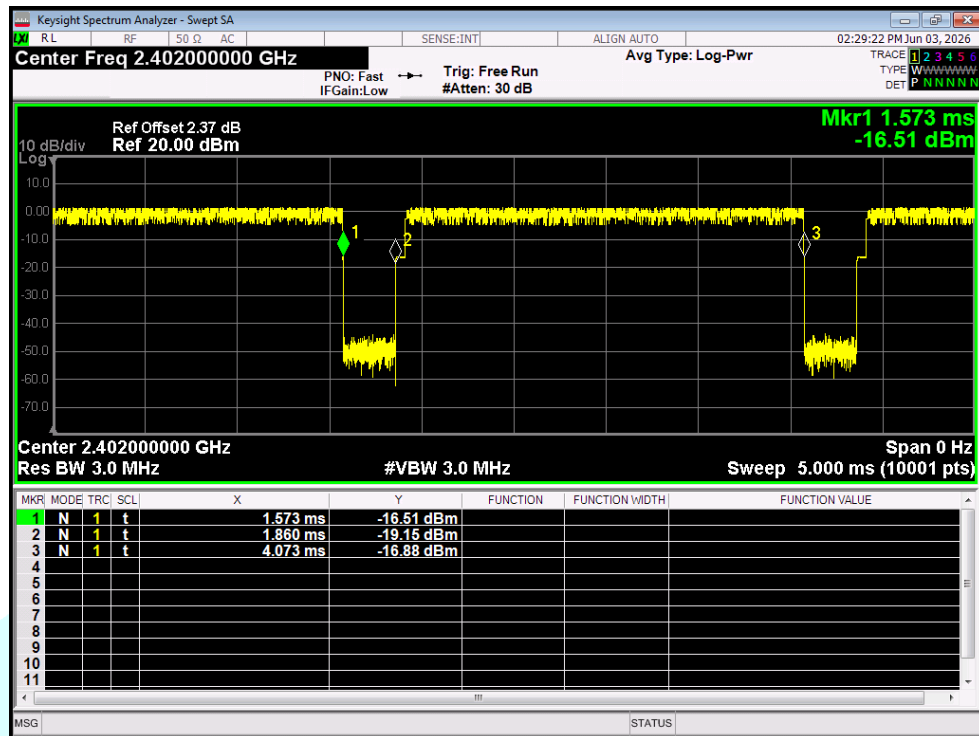
Duty Cycle

Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
BLE 1M	2402	88.52	0.53	0.45
	2440	88.52	0.53	0.45
	2480	88.5	0.53	0.45

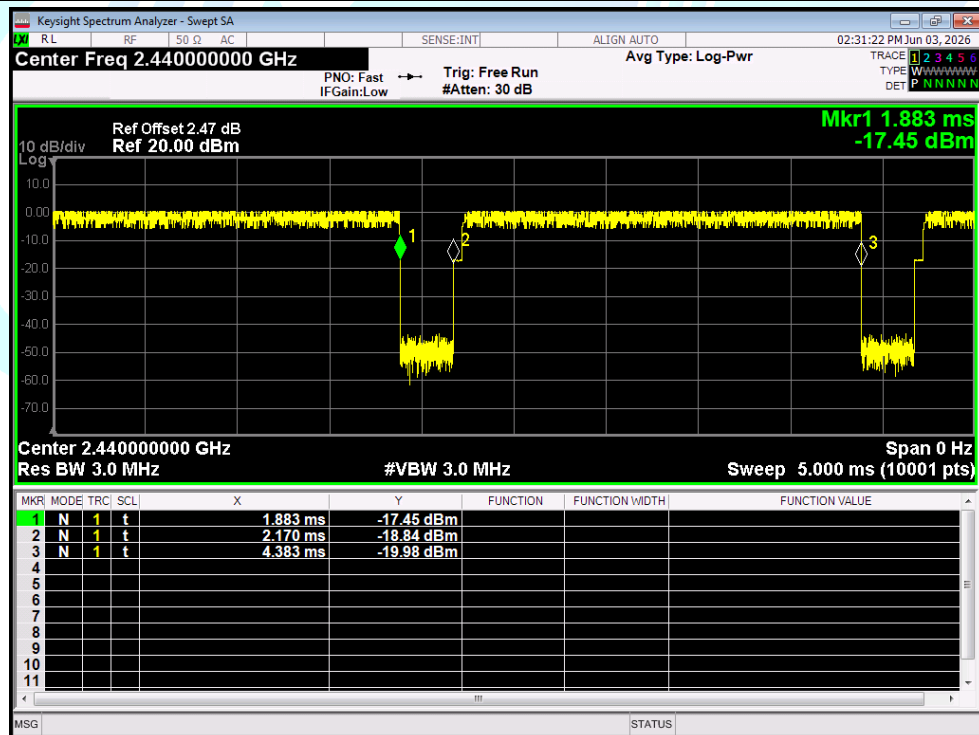


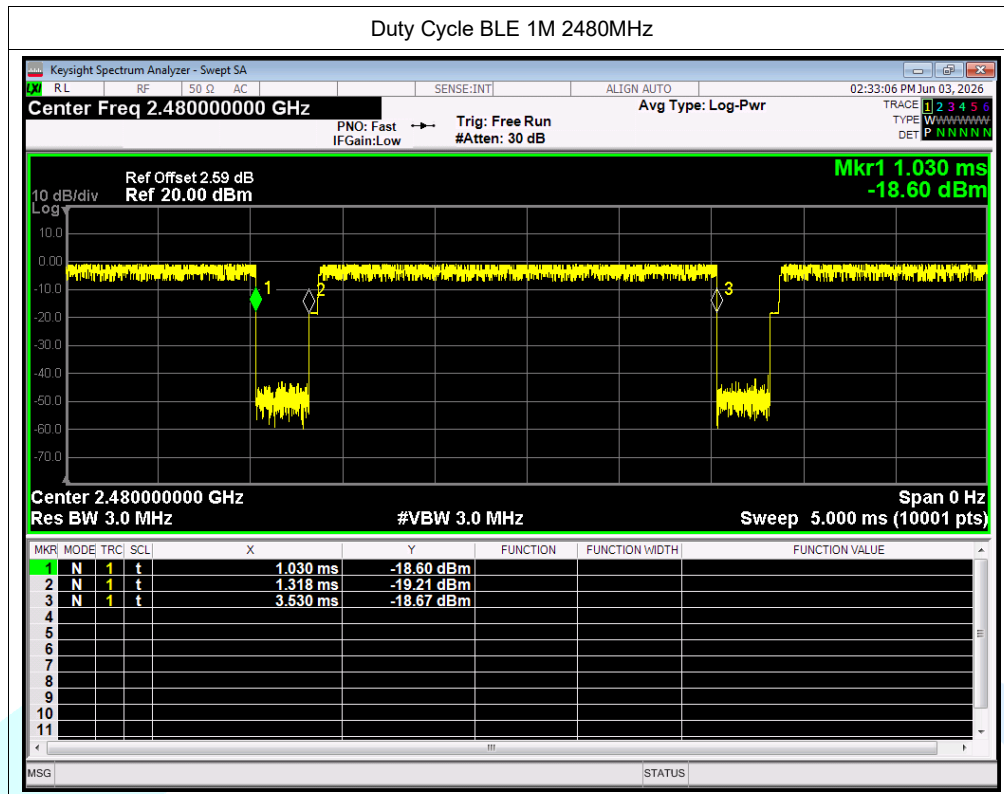
Test Graphs

Duty Cycle BLE 1M 2402MHz



Duty Cycle BLE 1M 2440MHz

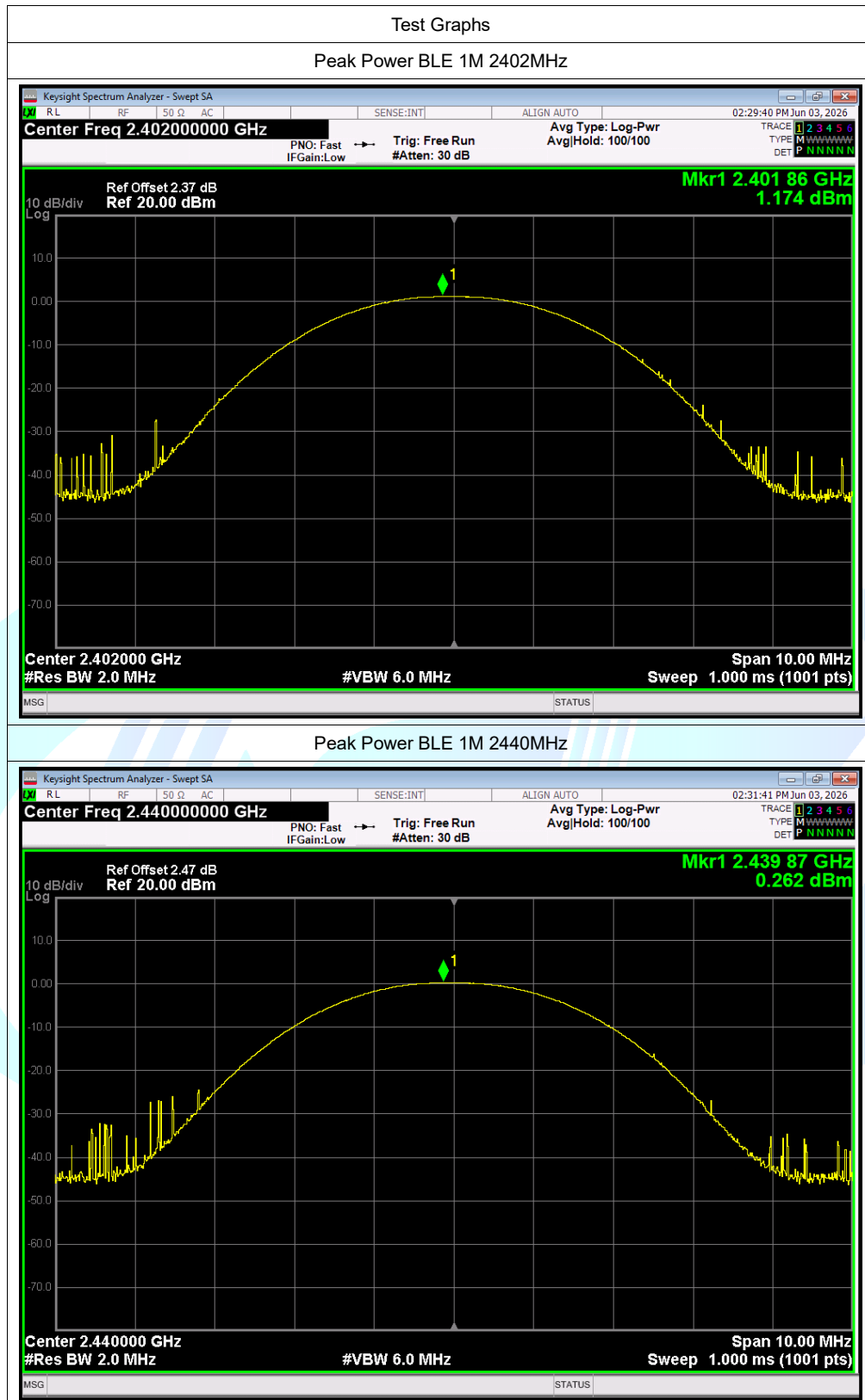


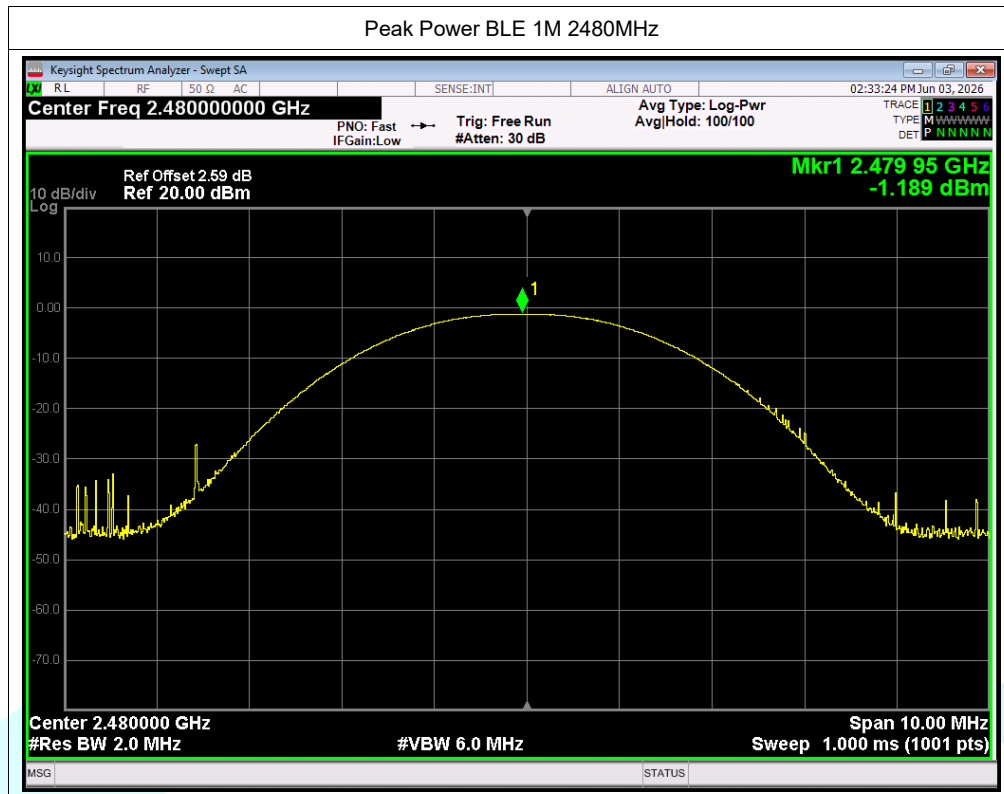


Maximum Peak Conducted Output Power

Mode	Freq. (MHz)	Cond. Power (dBm)	Cond. Limit (dBm)	Verdict
BLE 1M	2402	1.17	30	Pass
	2440	0.26	30	Pass
	2480	-1.19	30	Pass







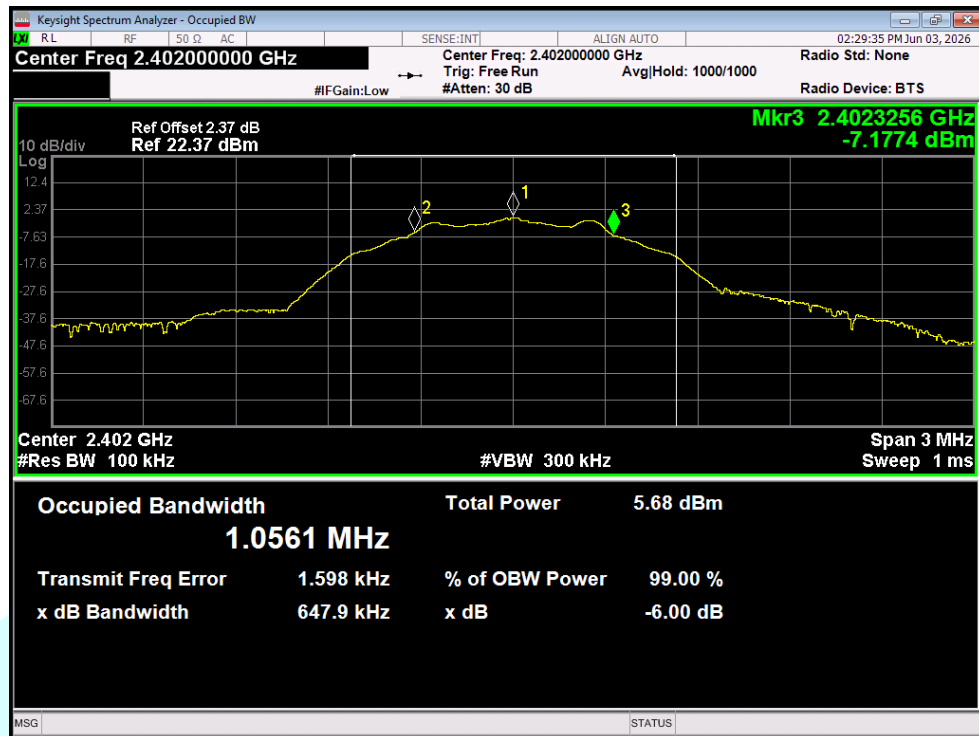
-6dB Bandwidth

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.6479	0.5	Pass
	2440	0.6466	0.5	Pass
	2480	0.644	0.5	Pass

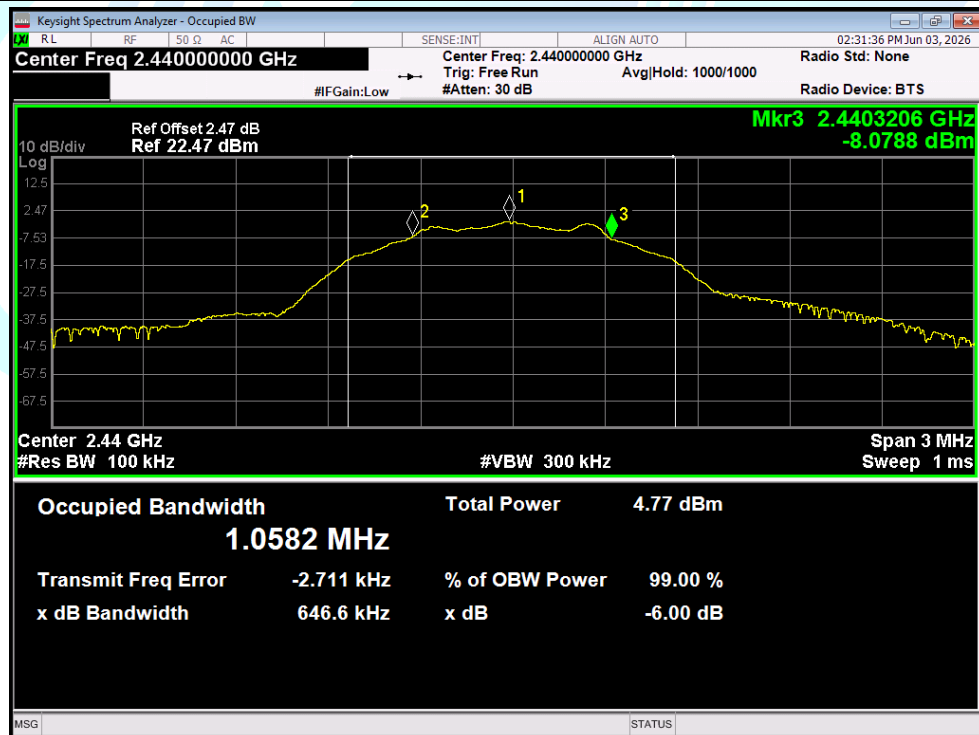


Test Graphs

-6dB Bandwidth BLE 1M 2402MHz



-6dB Bandwidth BLE 1M 2440MHz



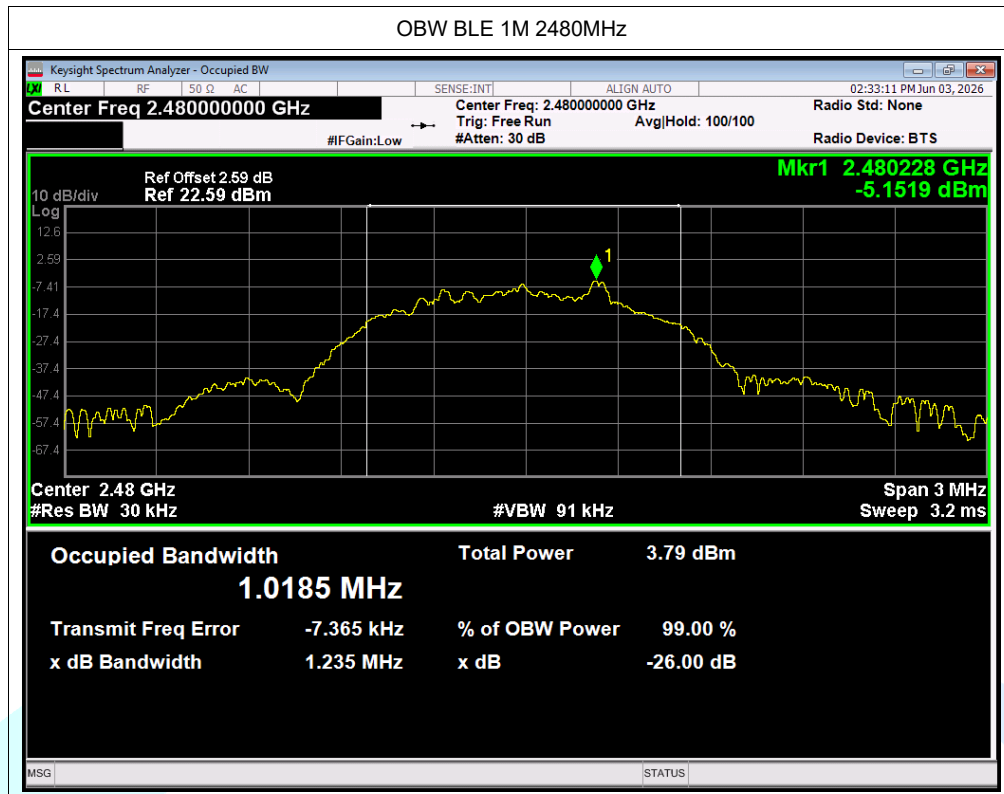


Occupied Channel Bandwidth

Mode	Frequency (MHz)	99% OBW (MHz)
BLE 1M	2402	1.0333
	2440	1.0254
	2480	1.0185



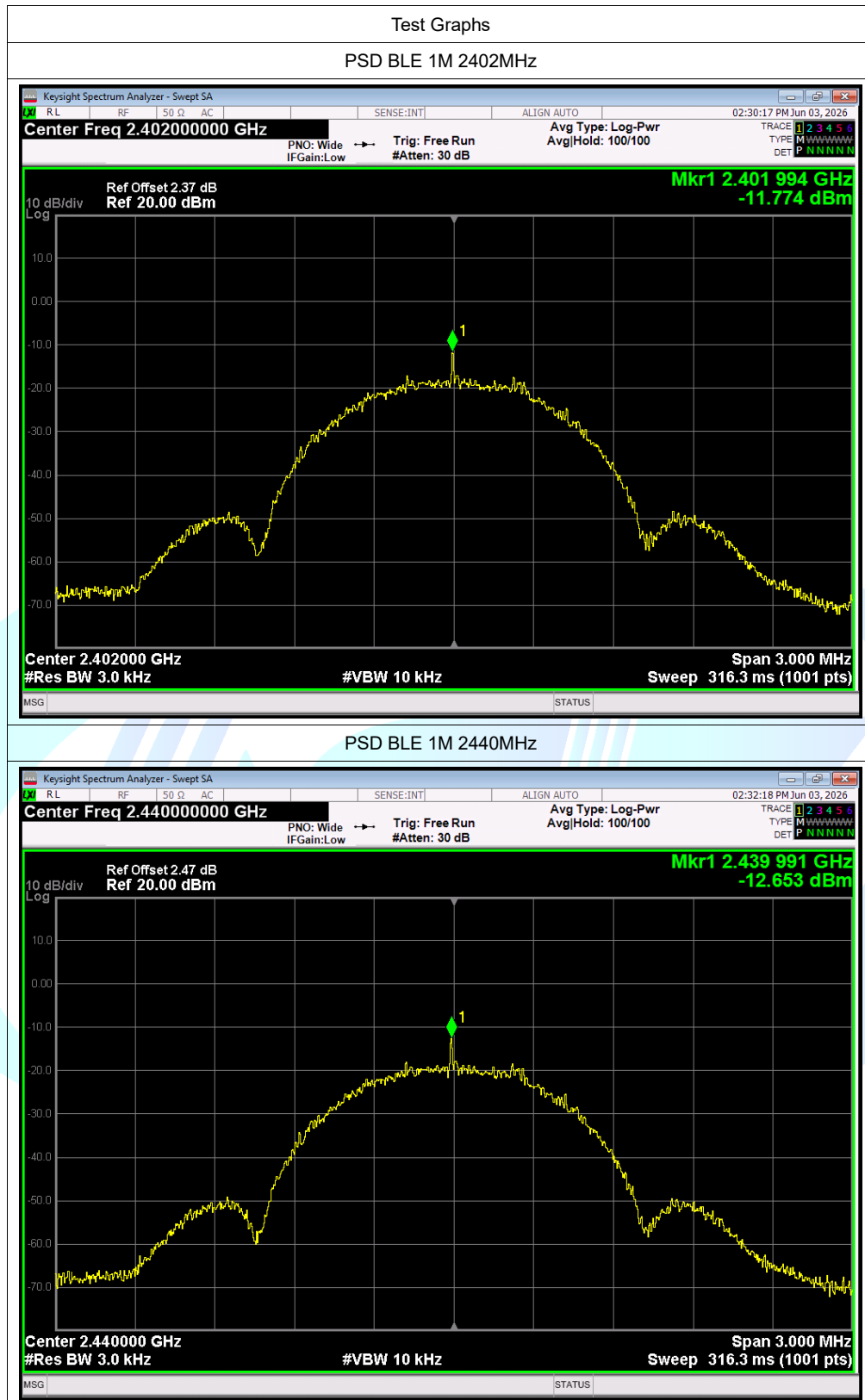


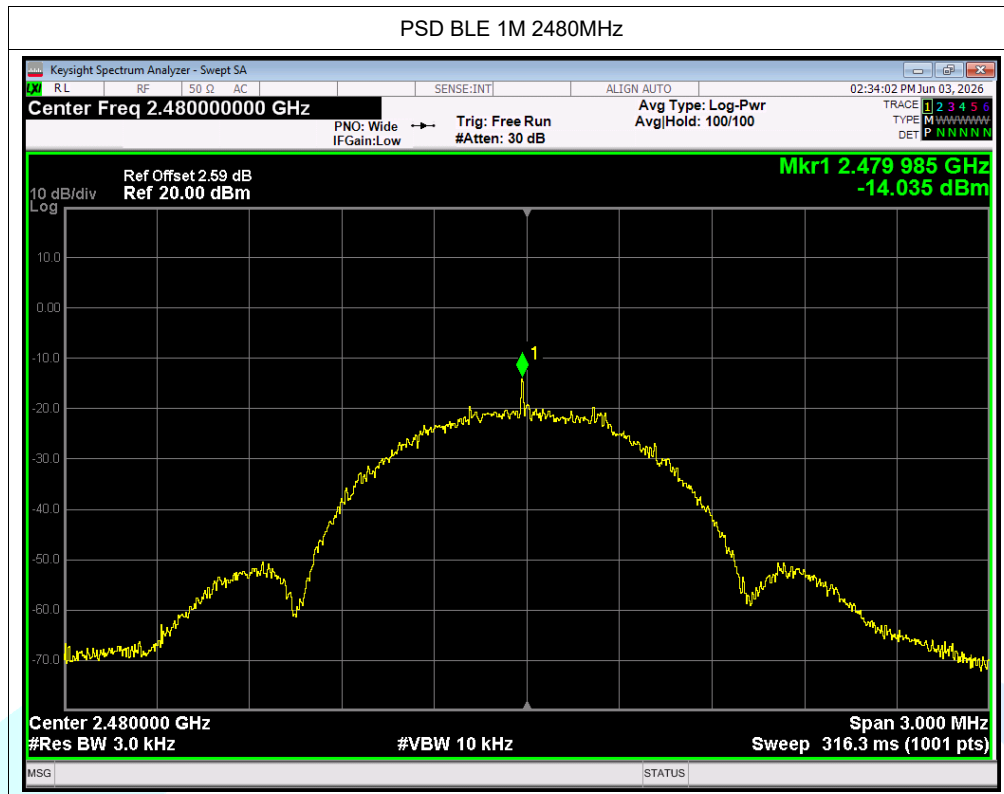


Maximum Power Spectral Density Level

Mode	Frequency (MHz)	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-11.77	8	Pass
	2440	-12.65	8	Pass
	2480	-14.04	8	Pass



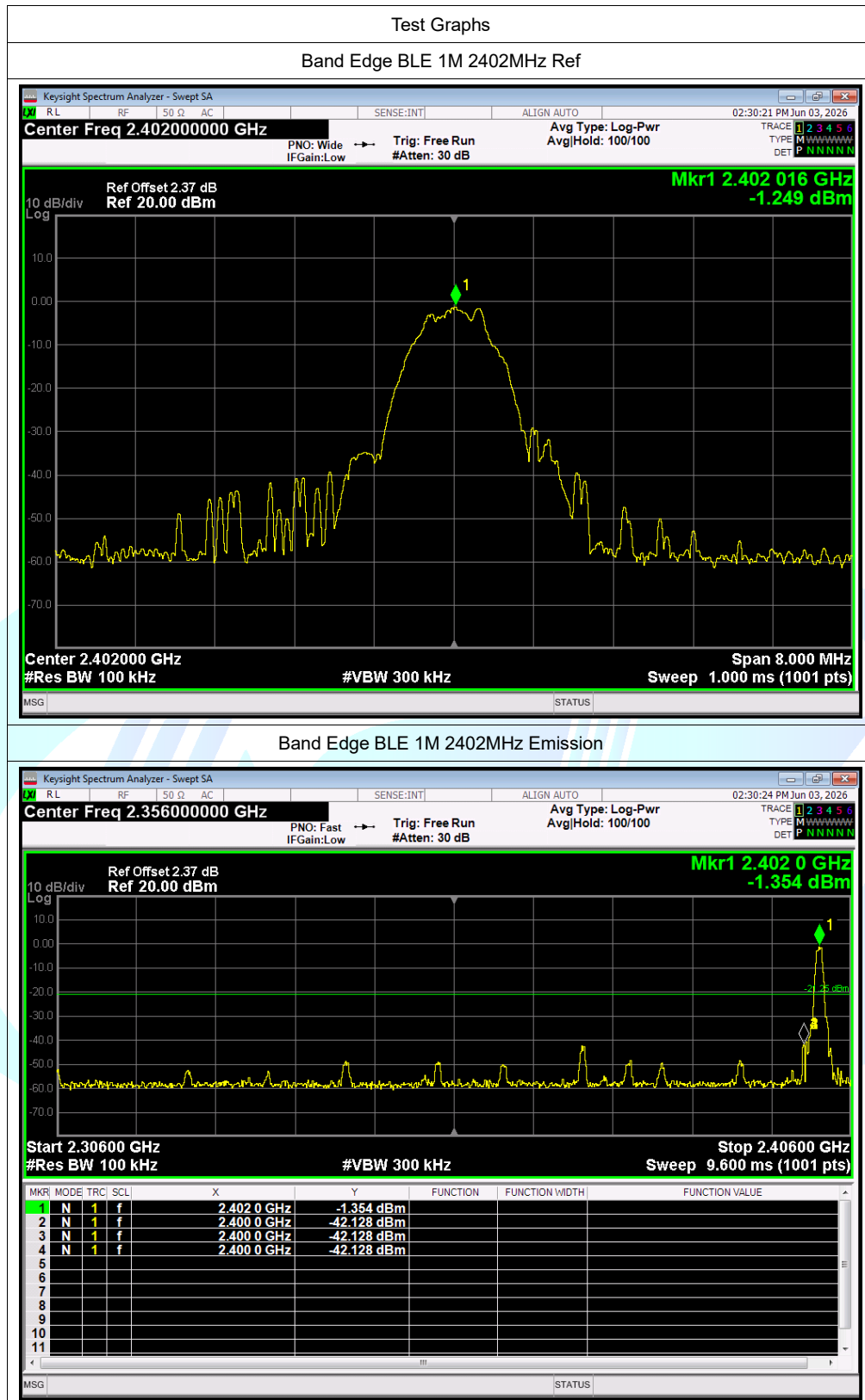


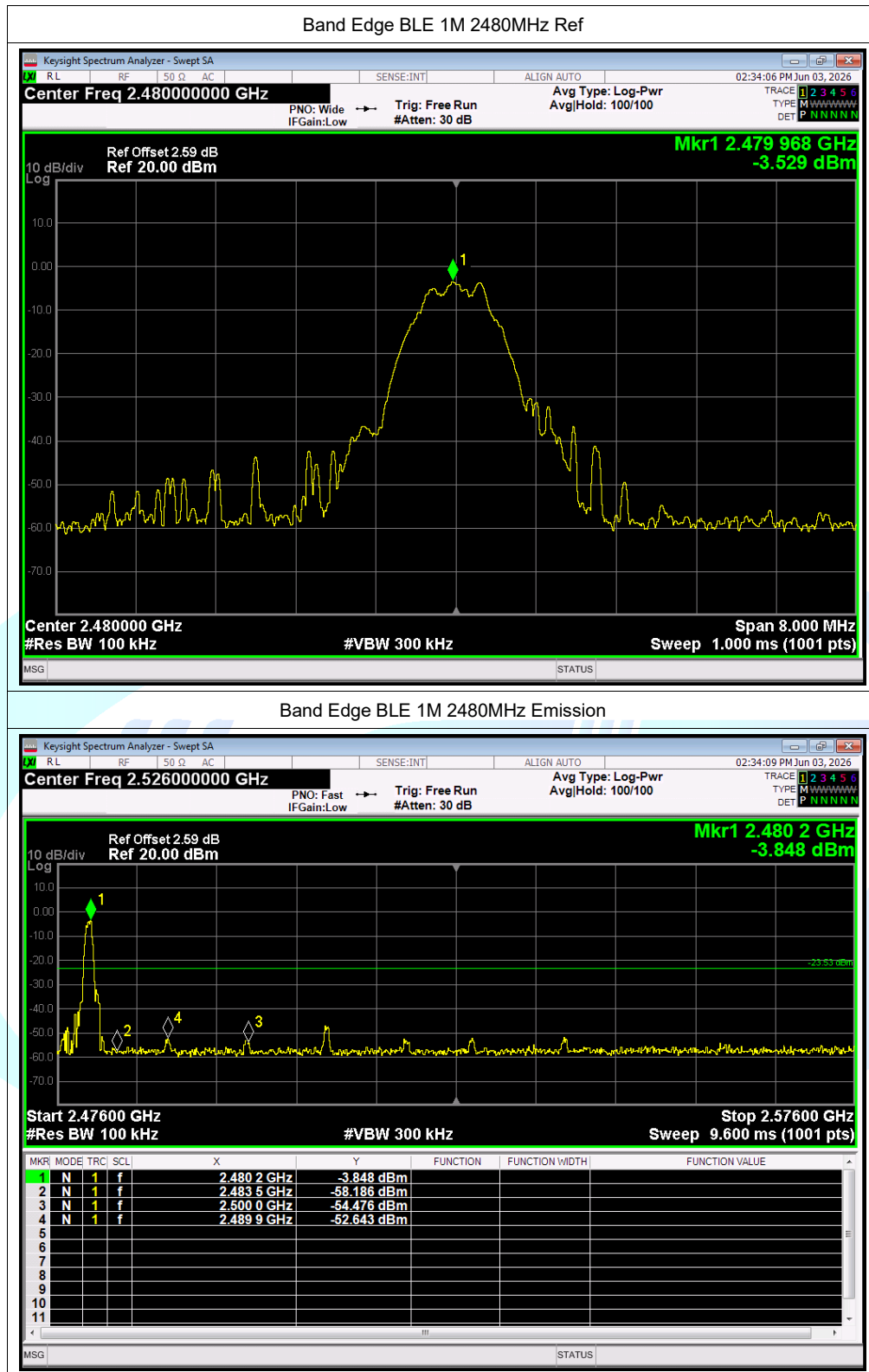


Band Edge

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-40.87	-20	Pass
	2480	-49.11	-20	Pass







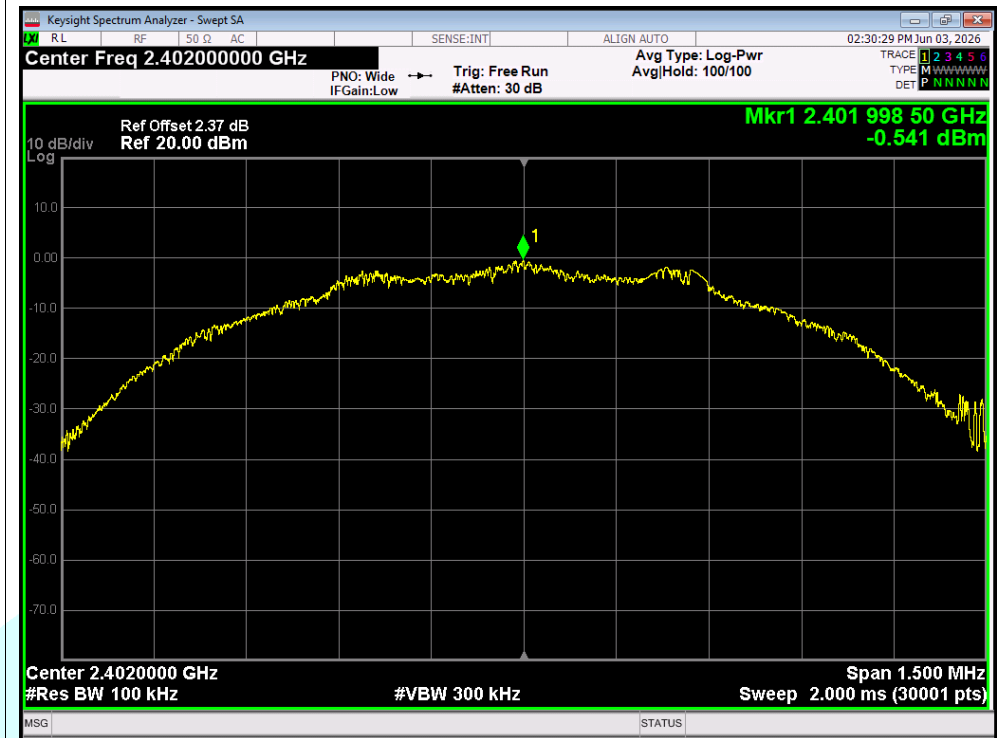
Conducted RF Spurious Emission

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-39.33	-20	Pass
	2440	-38.17	-20	Pass
	2480	-37.57	-20	Pass

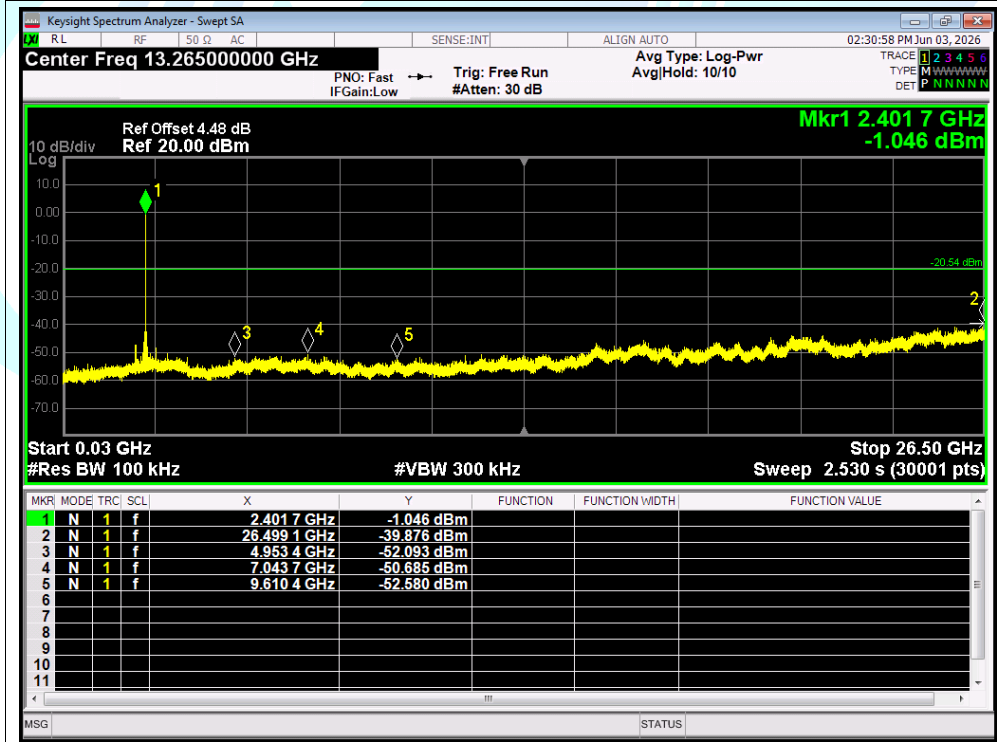


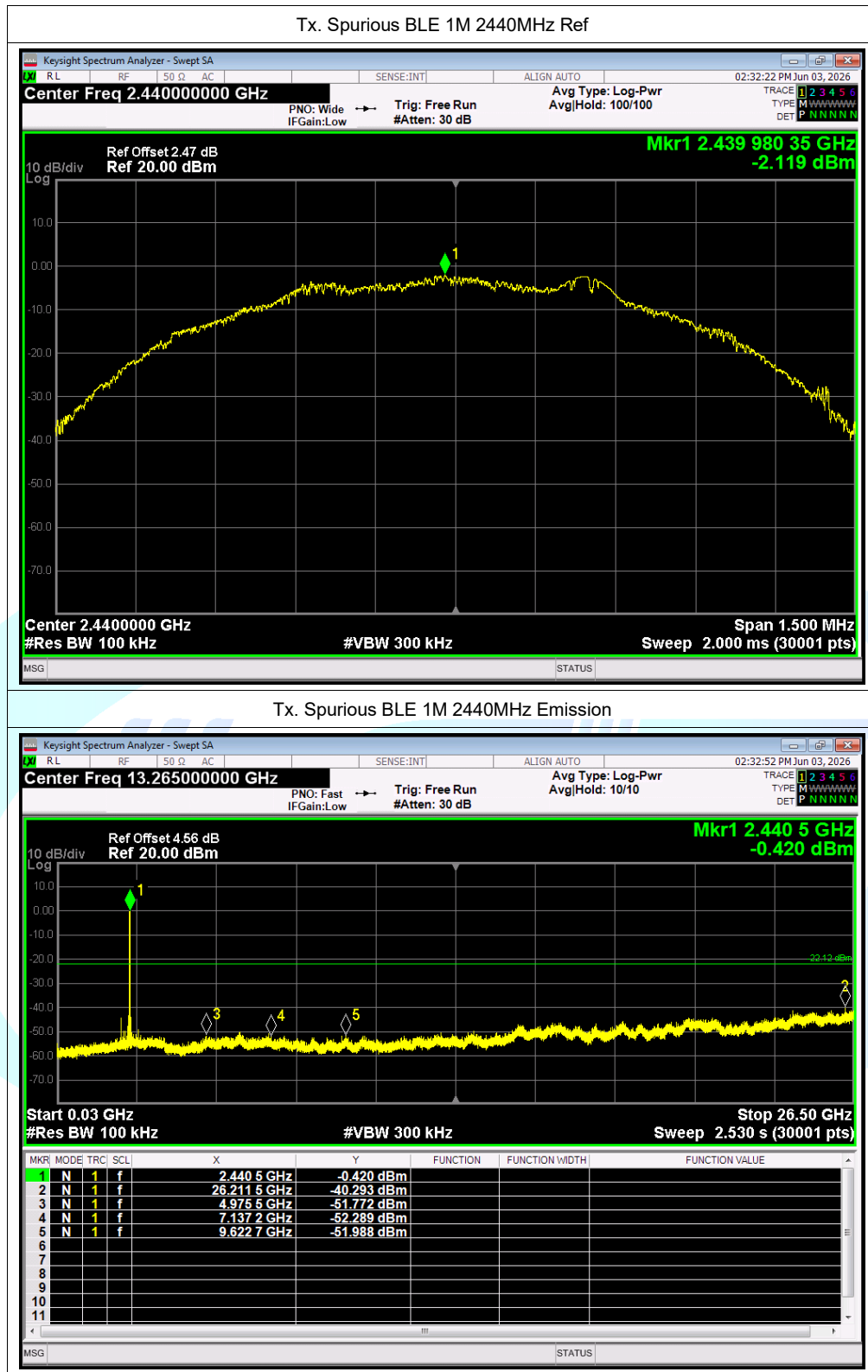
Test Graphs

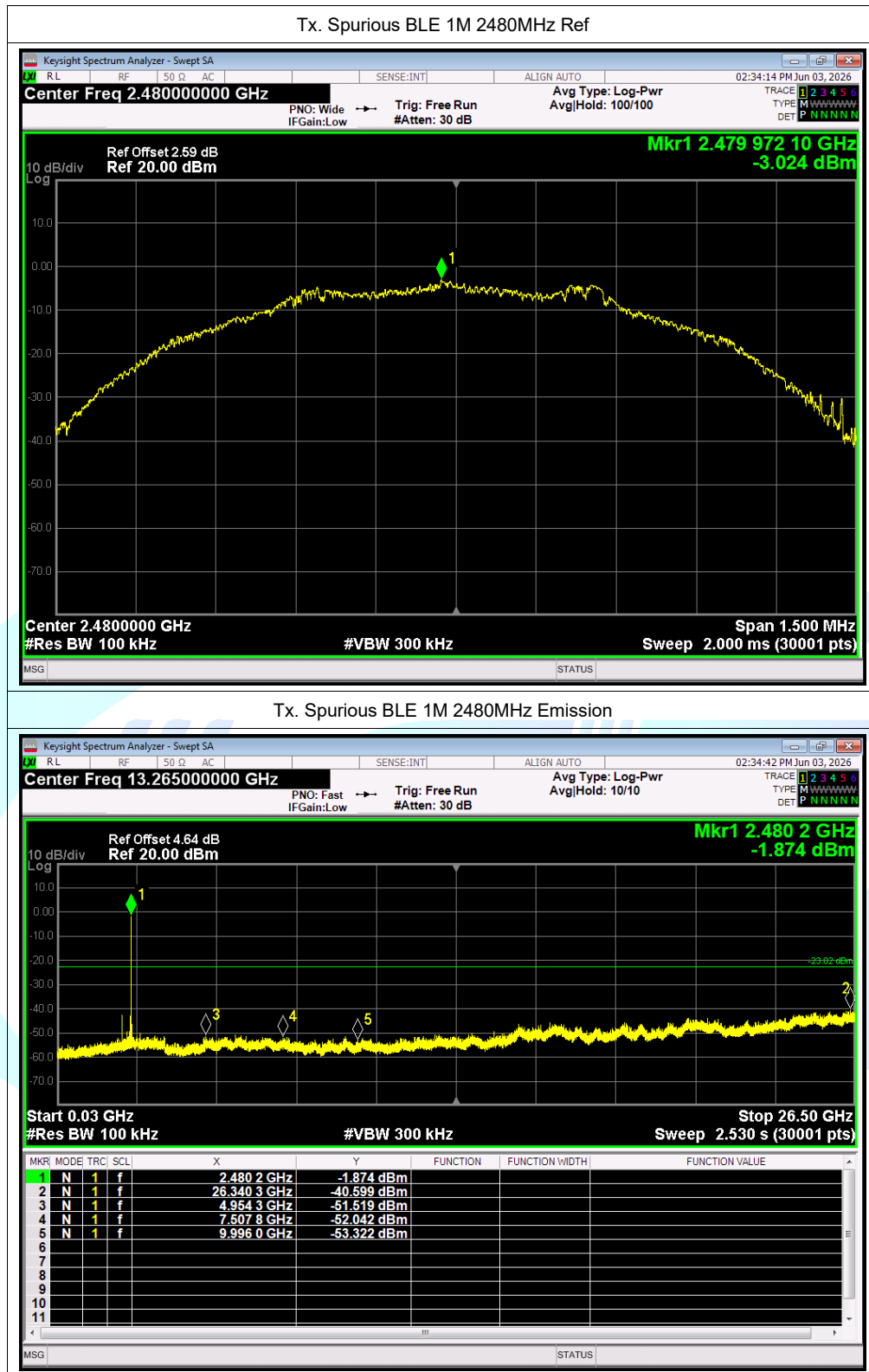
Tx. Spurious BLE 1M 2402MHz Ref



Tx. Spurious BLE 1M 2402MHz Emission







---END---