

Test Data Appendix For BLE

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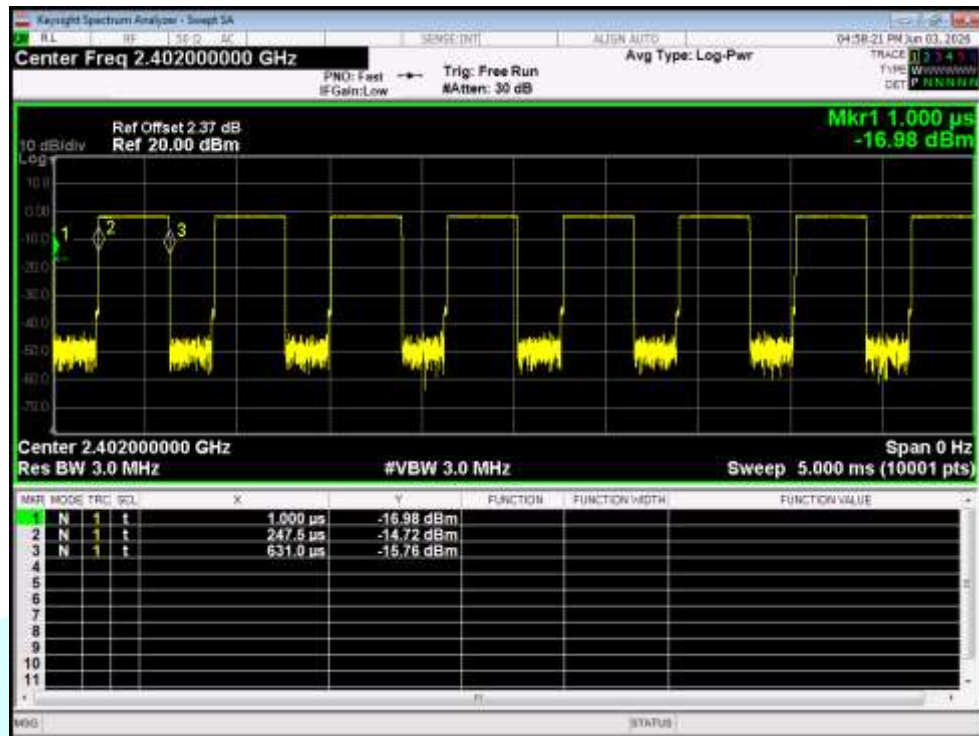
Duty Cycle

Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
BLE 1M	2402	60.87	2.16	2.61
	2440	60.89	2.15	2.61
	2480	60.97	2.15	2.61

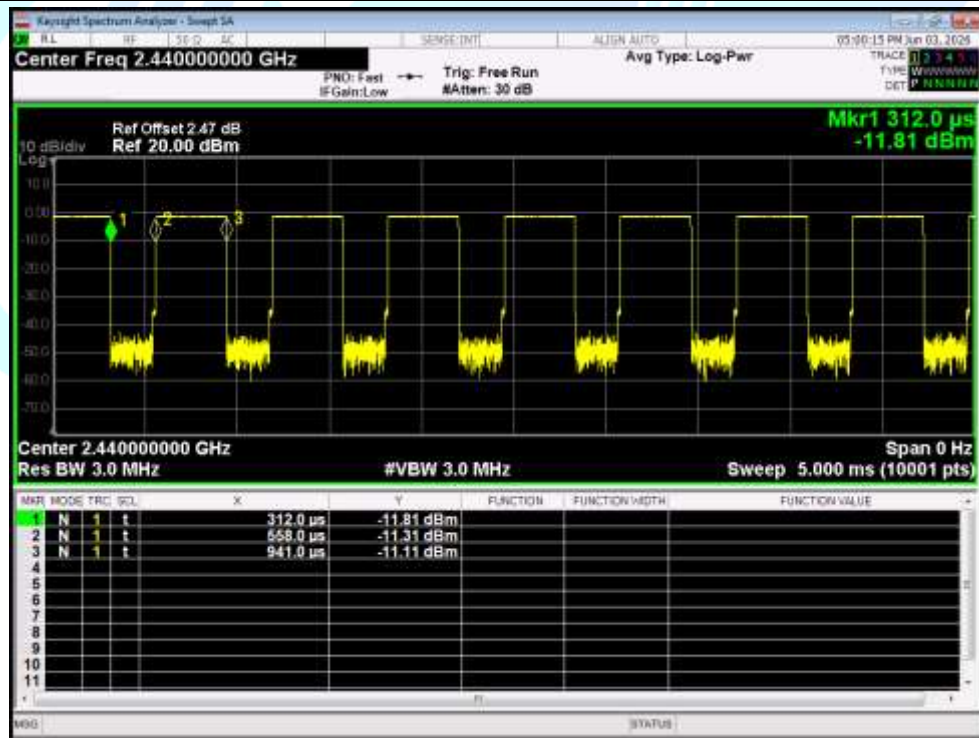


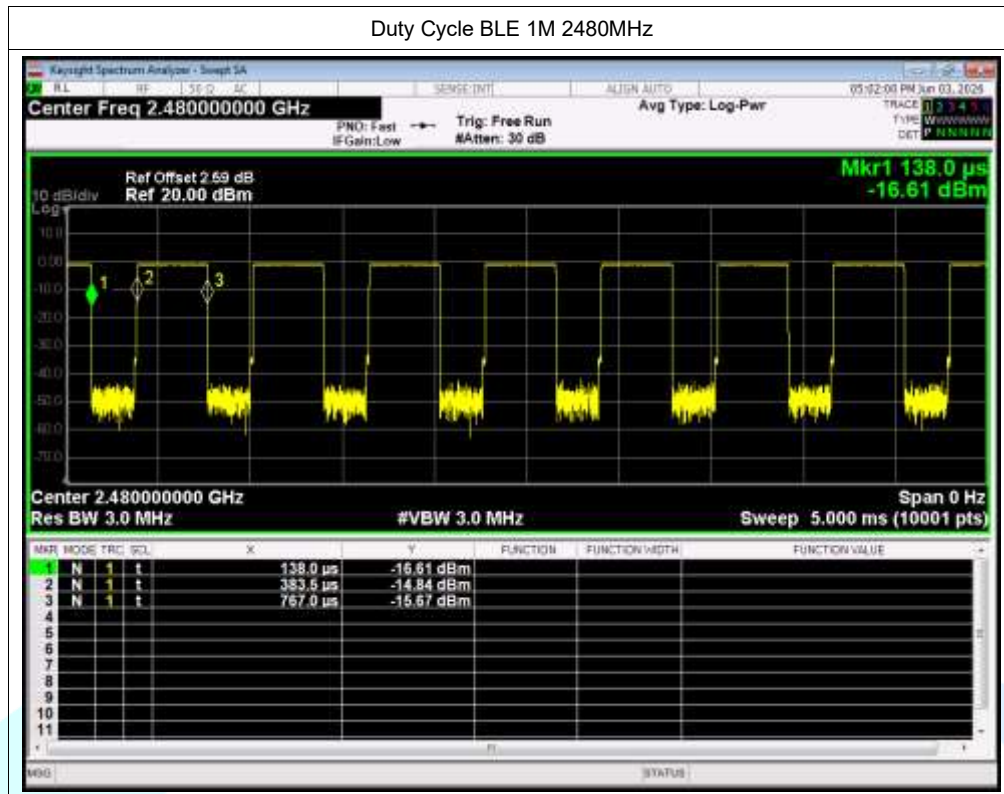
Test Graphs

Duty Cycle BLE 1M 2402MHz



Duty Cycle BLE 1M 2440MHz





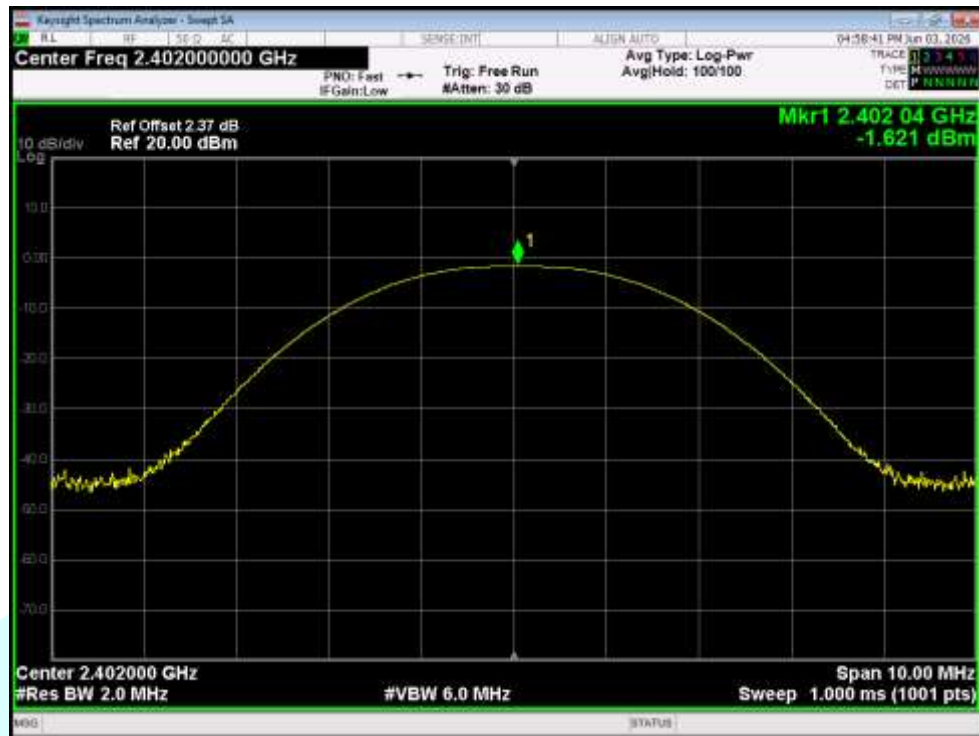
Maximum Peak Conducted Output Power

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	-1.62	30	Pass
	2440	-1.2	30	Pass
	2480	-0.91	30	Pass



Test Graphs

Peak Power BLE 1M 2402MHz



Peak Power BLE 1M 2440MHz





-6dB Bandwidth

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.7	0.5	Pass
	2440	0.6979	0.5	Pass
	2480	0.6903	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	1.0253
	2440	1.0235
	2480	1.0278



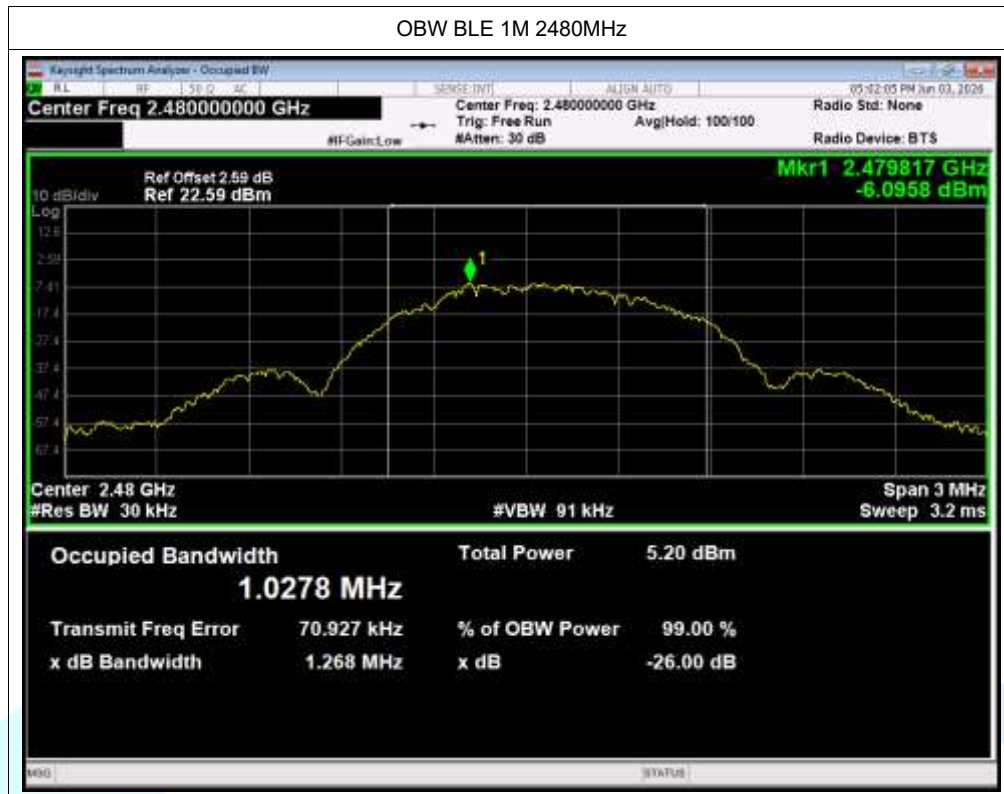
Test Graphs

OBW BLE 1M 2402MHz



OBW BLE 1M 2440MHz





Maximum Power Spectral Density Level

Mode	Frequency (MHz)	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-17.55	8	Pass
	2440	-17.18	8	Pass
	2480	-16.89	8	Pass



Test Graphs

PSD BLE 1M 2402MHz



PSD BLE 1M 2440MHz





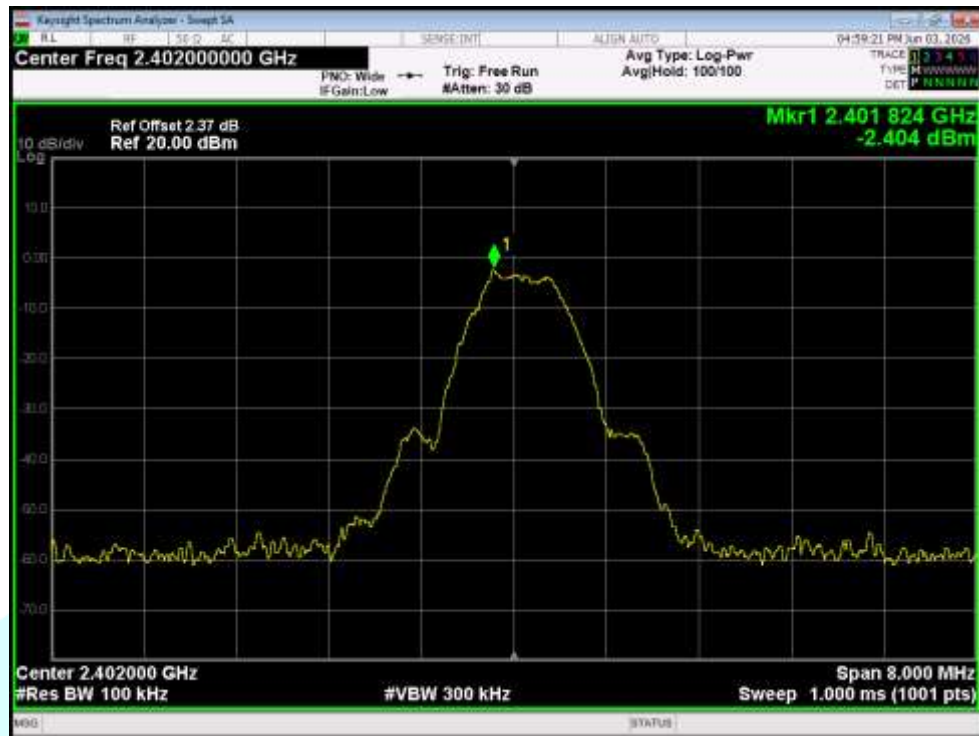
Band Edge

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-52.67	-20	Pass
	2480	-53.09	-20	Pass

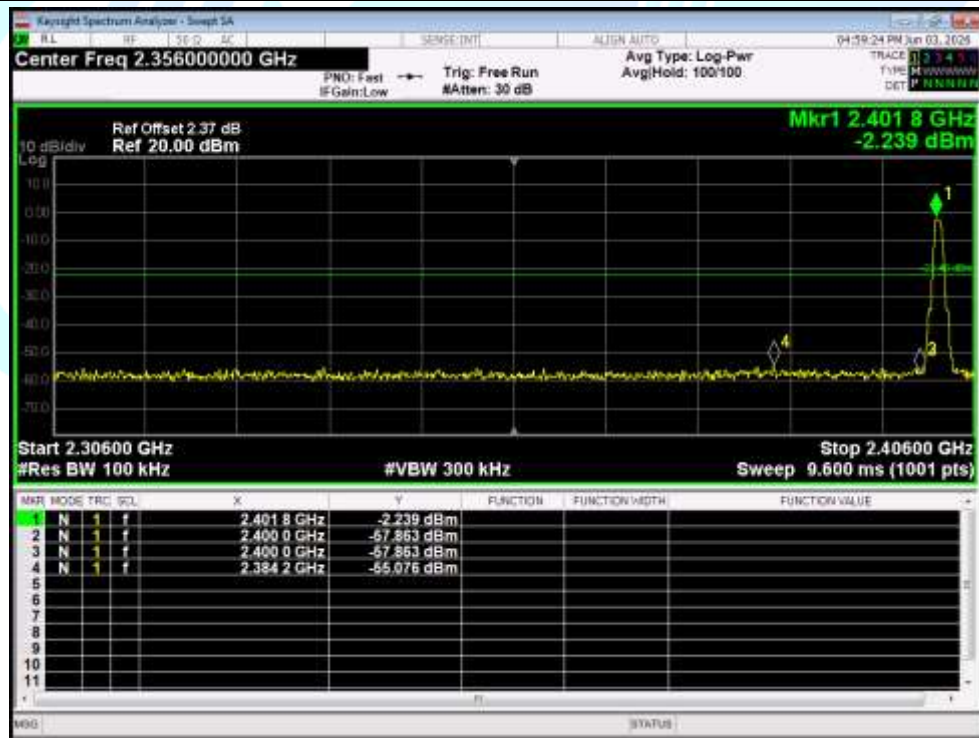


Test Graphs

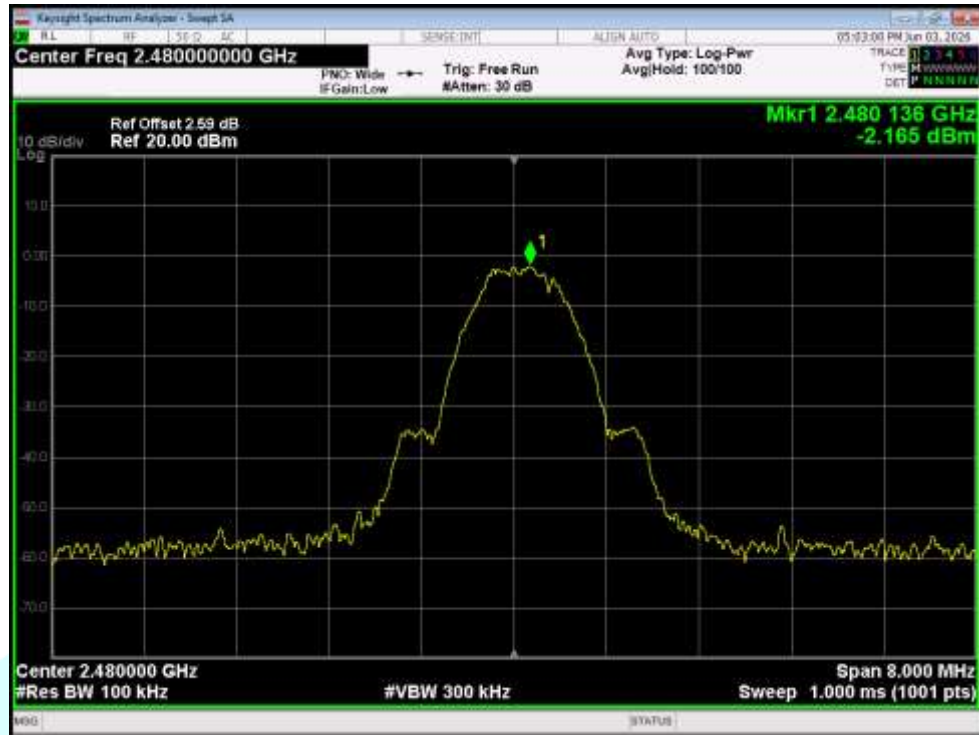
Band Edge BLE 1M 2402MHz Ref



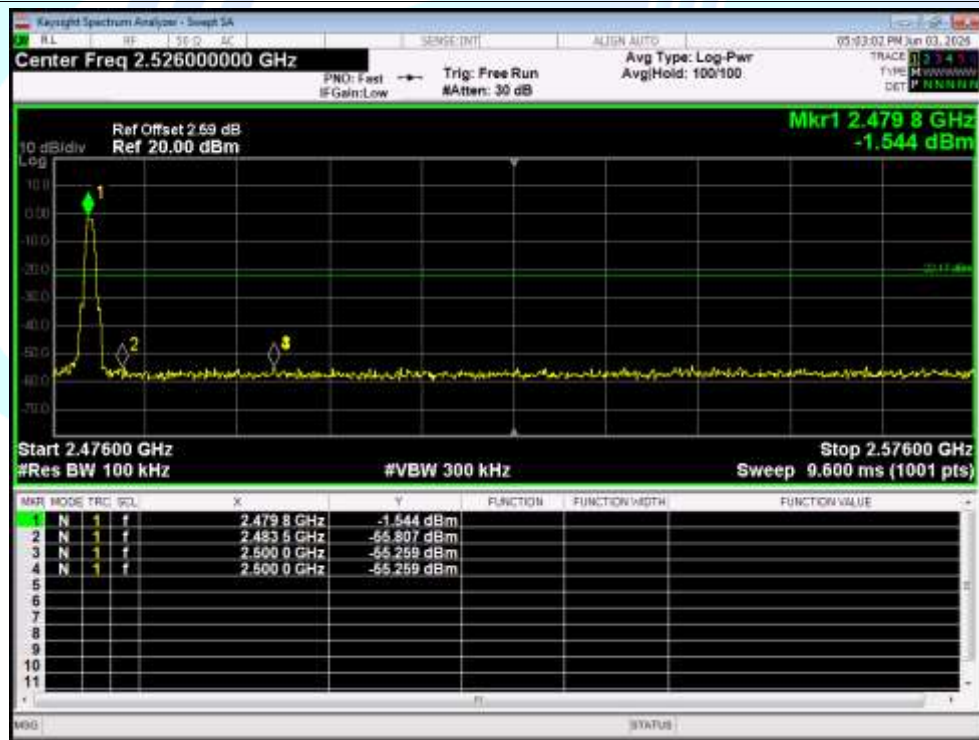
Band Edge BLE 1M 2402MHz Emission



Band Edge BLE 1M 2480MHz Ref



Band Edge BLE 1M 2480MHz Emission



Conducted RF Spurious Emission

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-38.55	-20	Pass
	2440	-39.13	-20	Pass
	2480	-39.14	-20	Pass

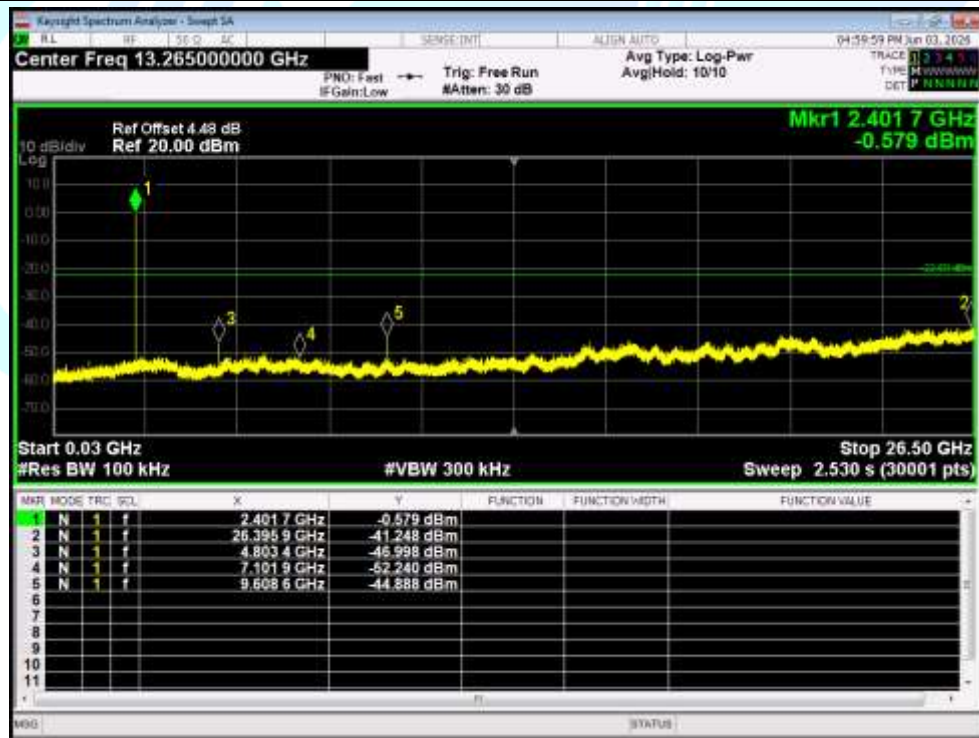


Test Graphs

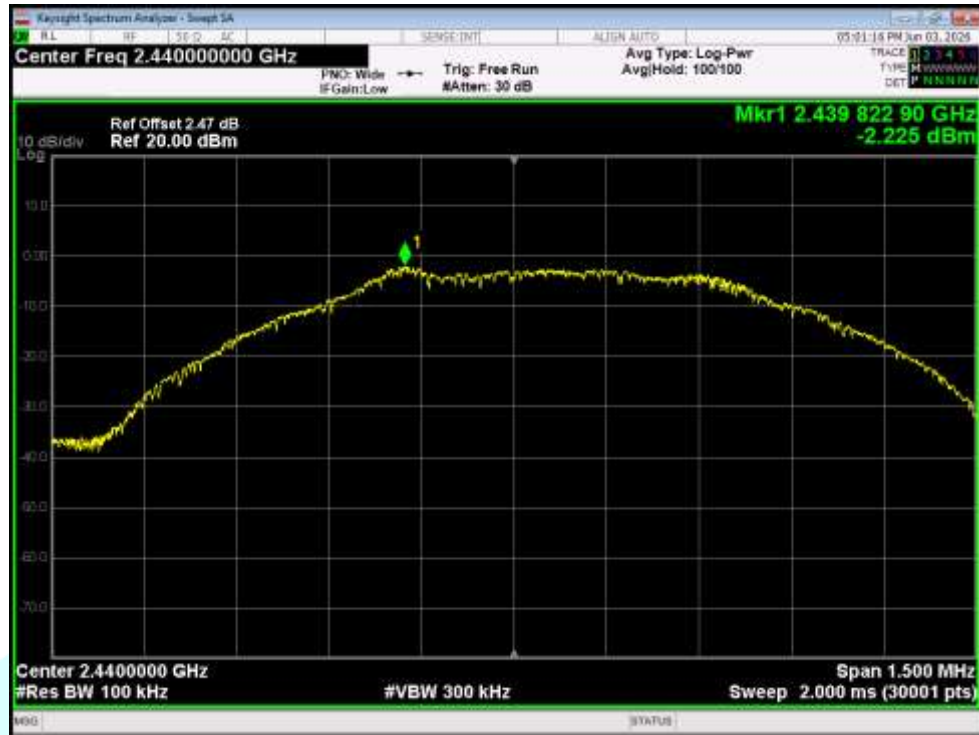
Tx. Spurious BLE 1M 2402MHz Ref



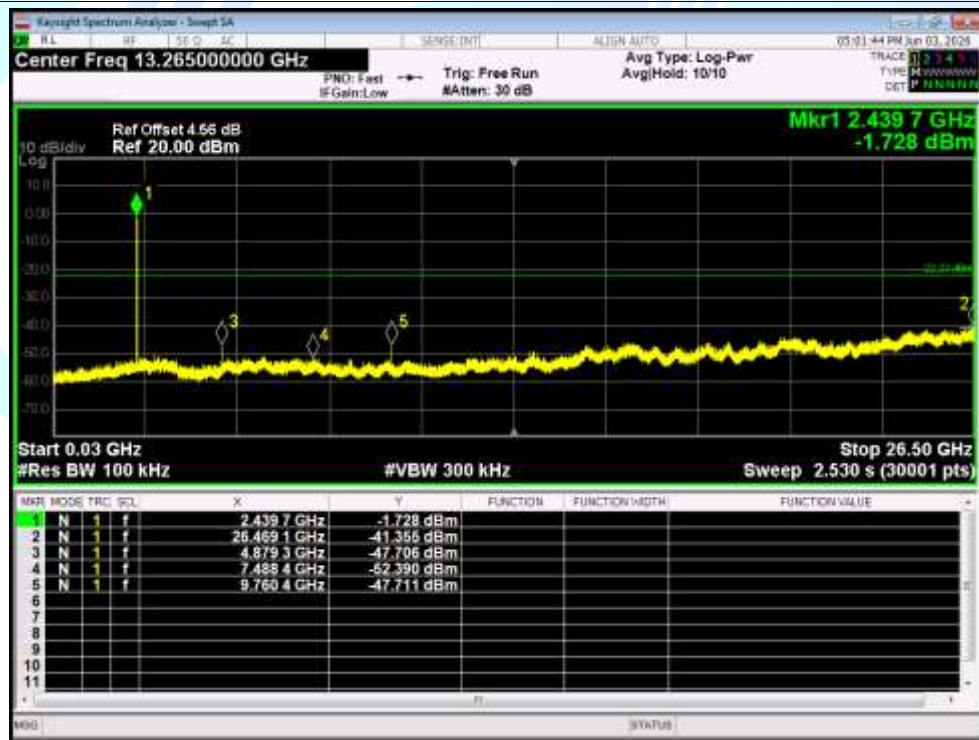
Tx. Spurious BLE 1M 2402MHz Emission



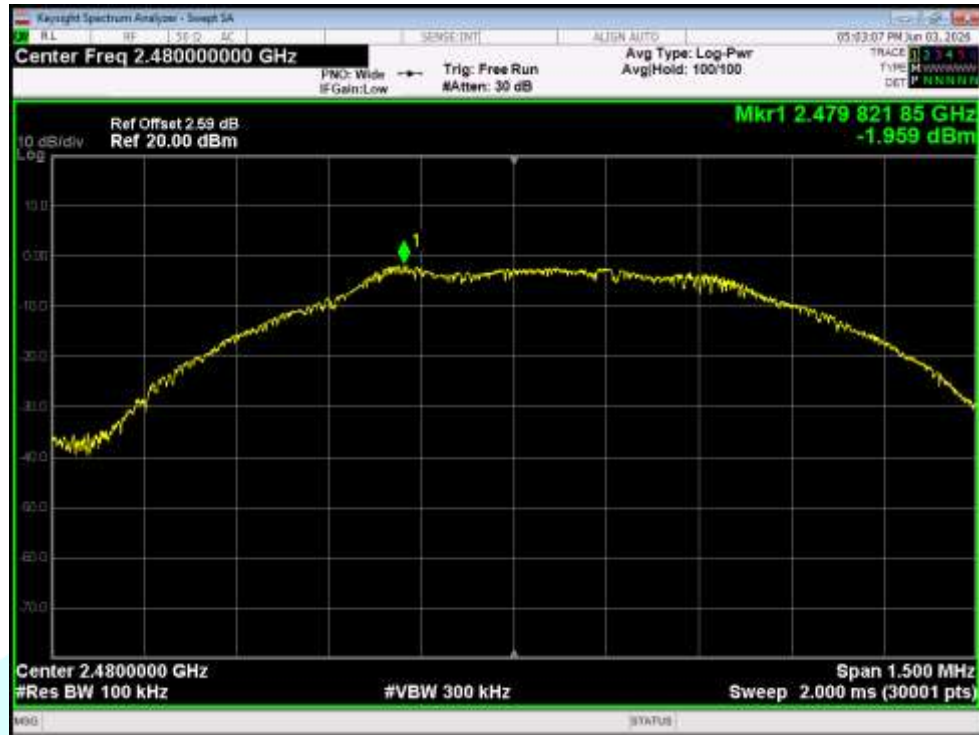
Tx. Spurious BLE 1M 2440MHz Ref



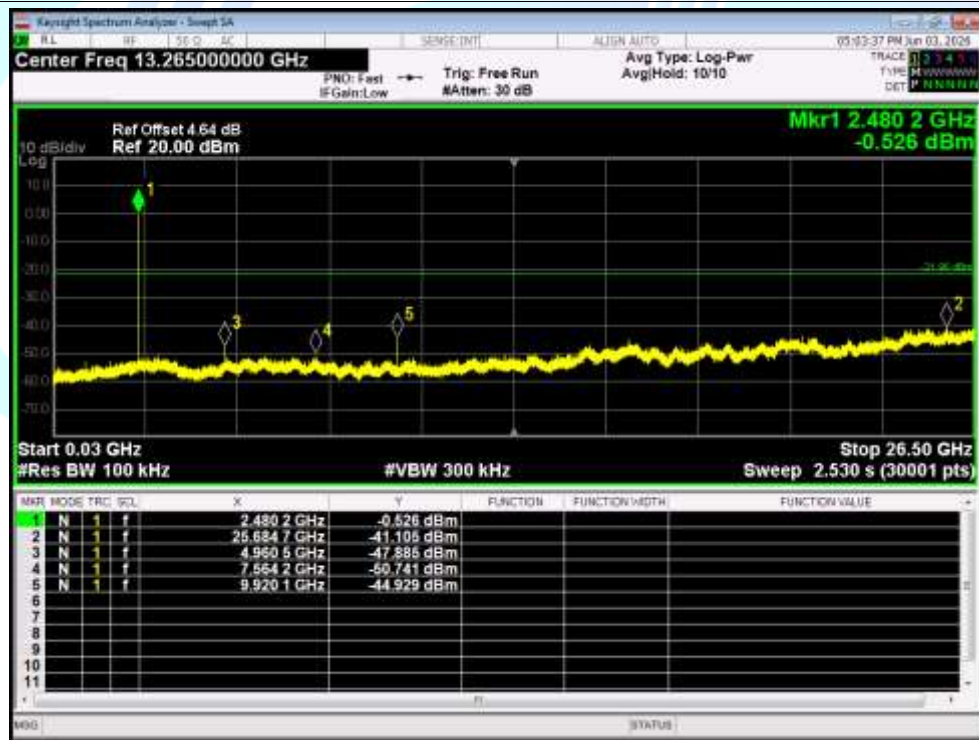
Tx. Spurious BLE 1M 2440MHz Emission



Tx. Spurious BLE 1M 2480MHz Ref



Tx. Spurious BLE 1M 2480MHz Emission



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