Table of Contents

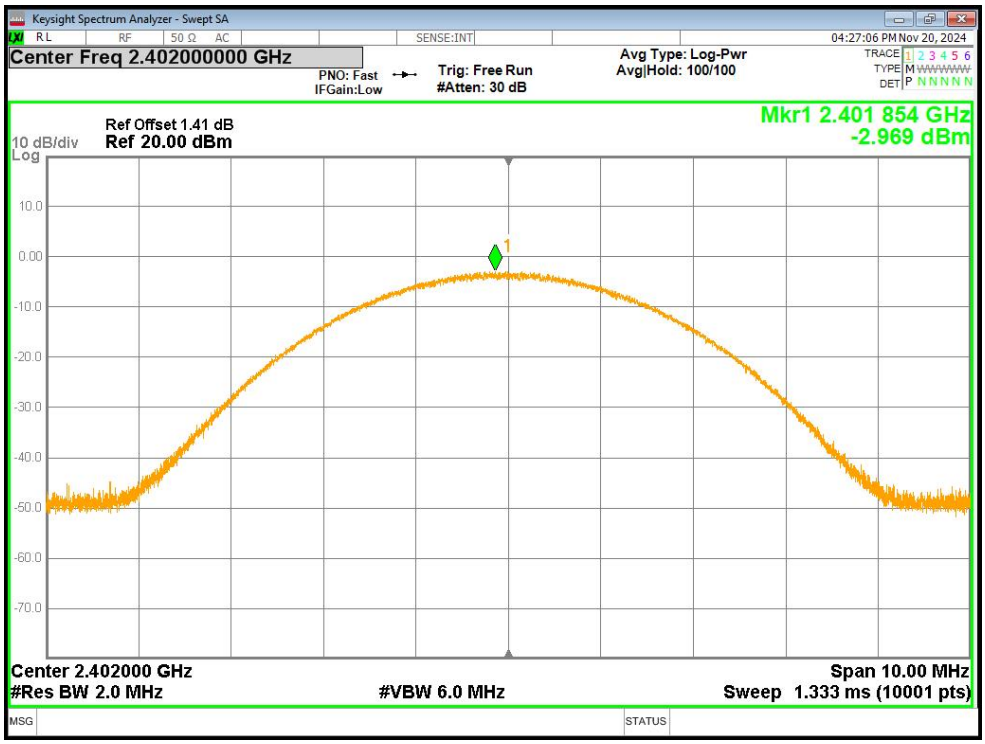
FCC ID BLE

FCC_BLE(Part15.247) Test Data

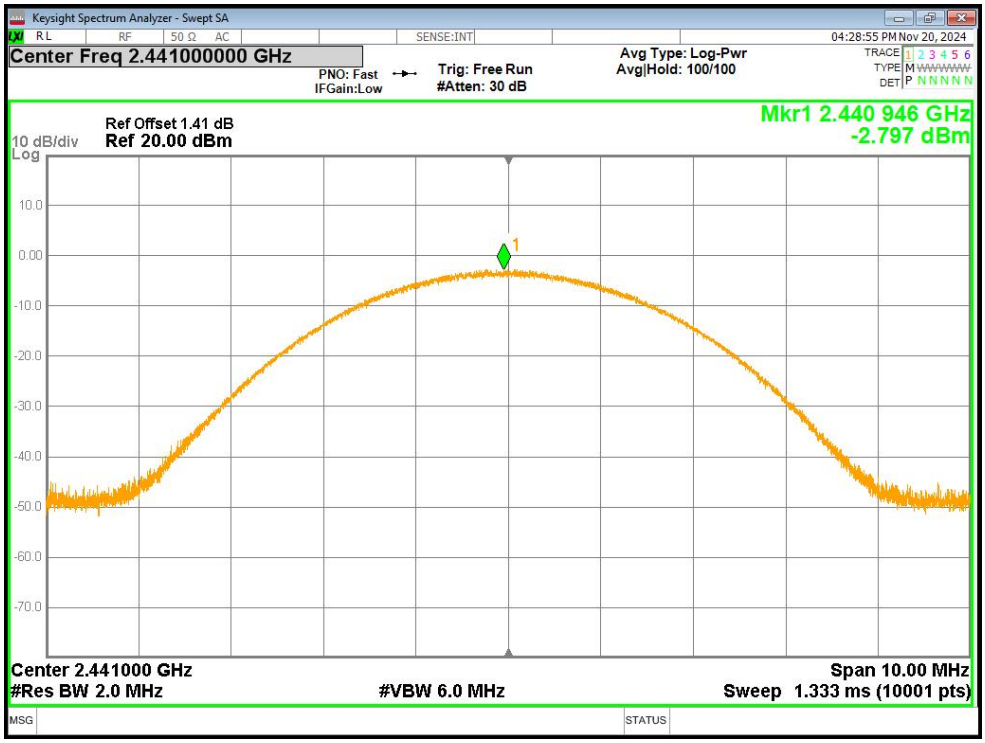
1.Maximum Peak Conducted Output Power

Mode	Frequency (MHz)	Total Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	-2.97	30	Pass
BLE 1M	2441	-2.8	30	Pass
BLE 1M	2480	-3.71	30	Pass

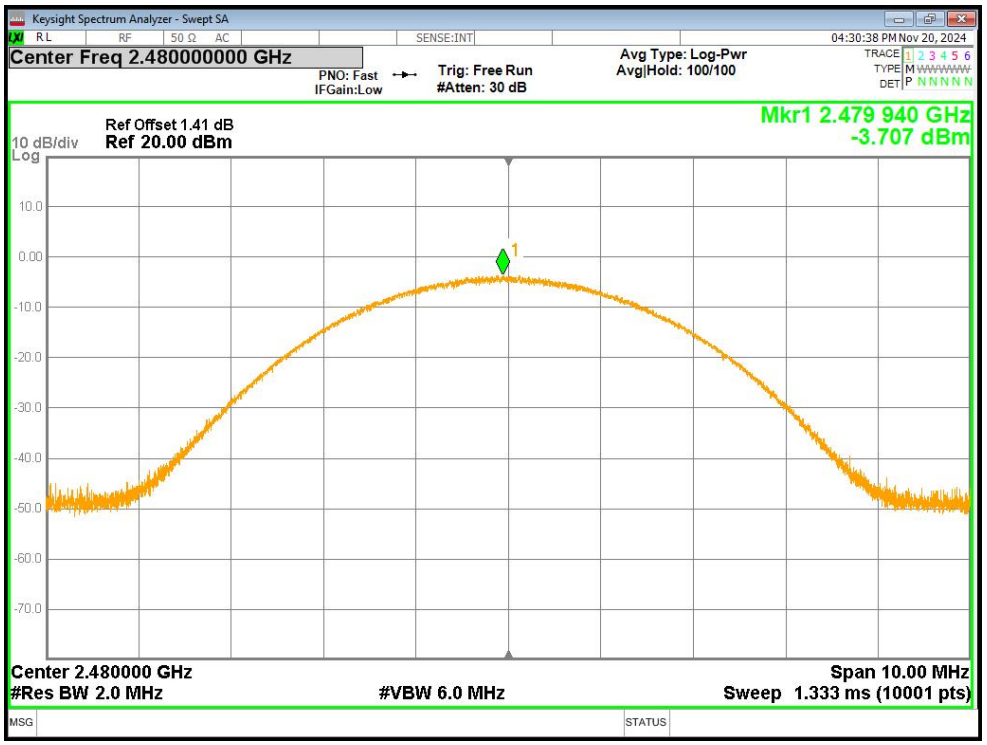
Test Graphs
Peak Power NVNT BLE 1M 2402MHz Ant1



Peak Power NVNT BLE 1M 2441MHz Ant1



Peak Power NVNT BLE 1M 2480MHz Ant1

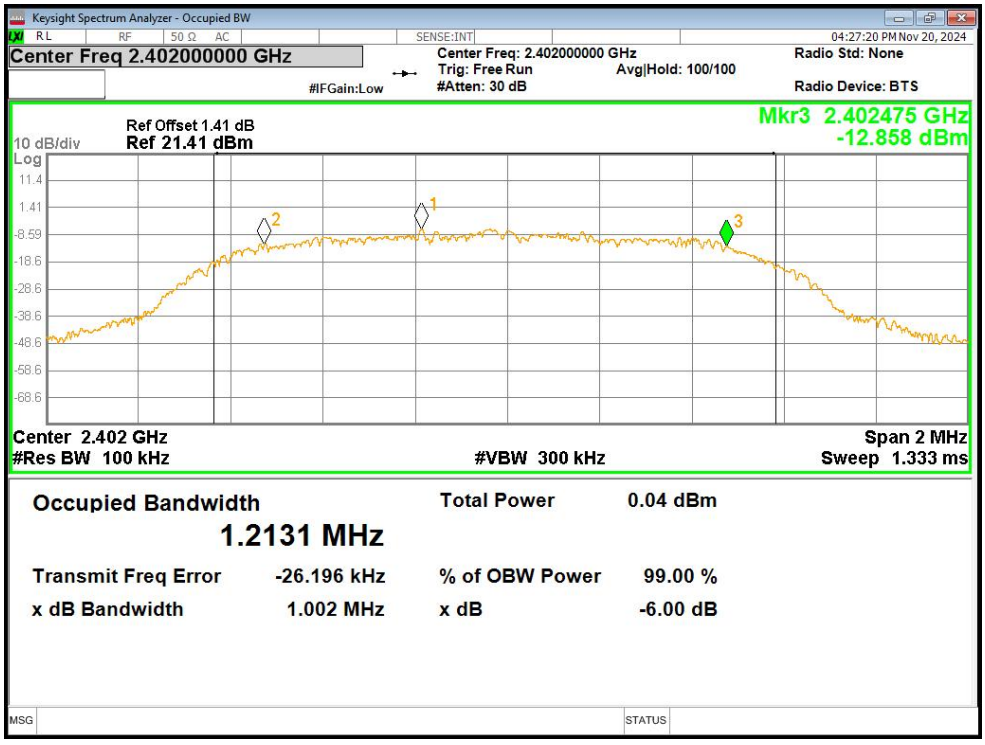


2.-6dB Bandwidth

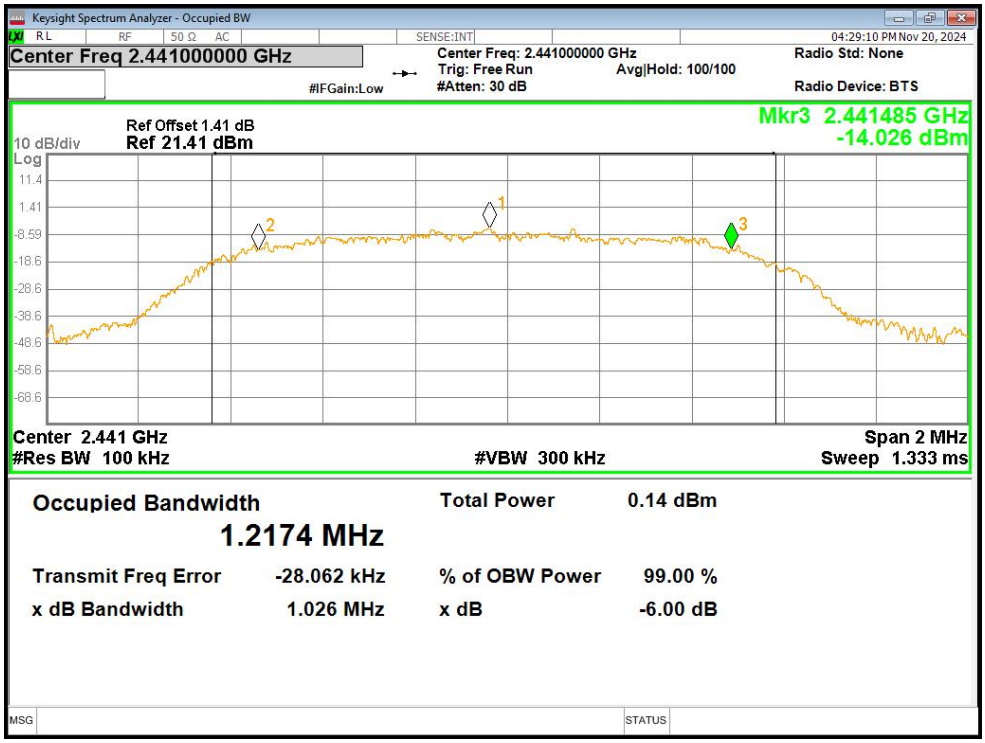
Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	1.002	0.5	Pass
BLE 1M	2441	1.026	0.5	Pass
BLE 1M	2480	0.999	0.5	Pass

Test Graphs

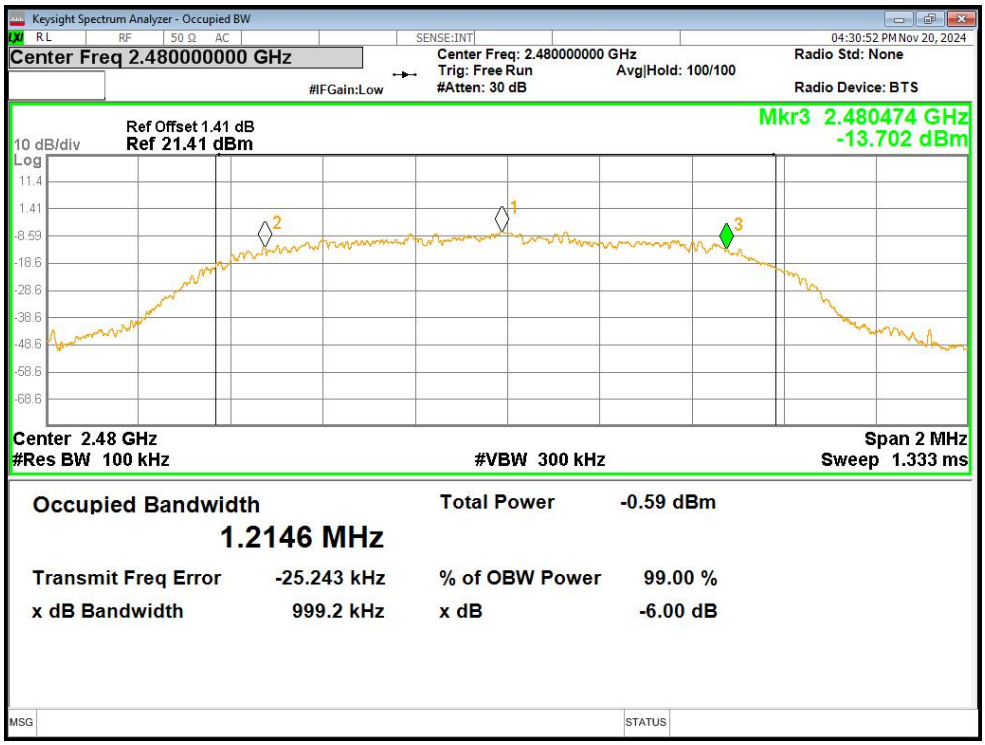
-6dB Bandwidth NVNT BLE 1M 2402MHz Ant1



-6dB Bandwidth NVNT BLE 1M 2441MHz Ant1



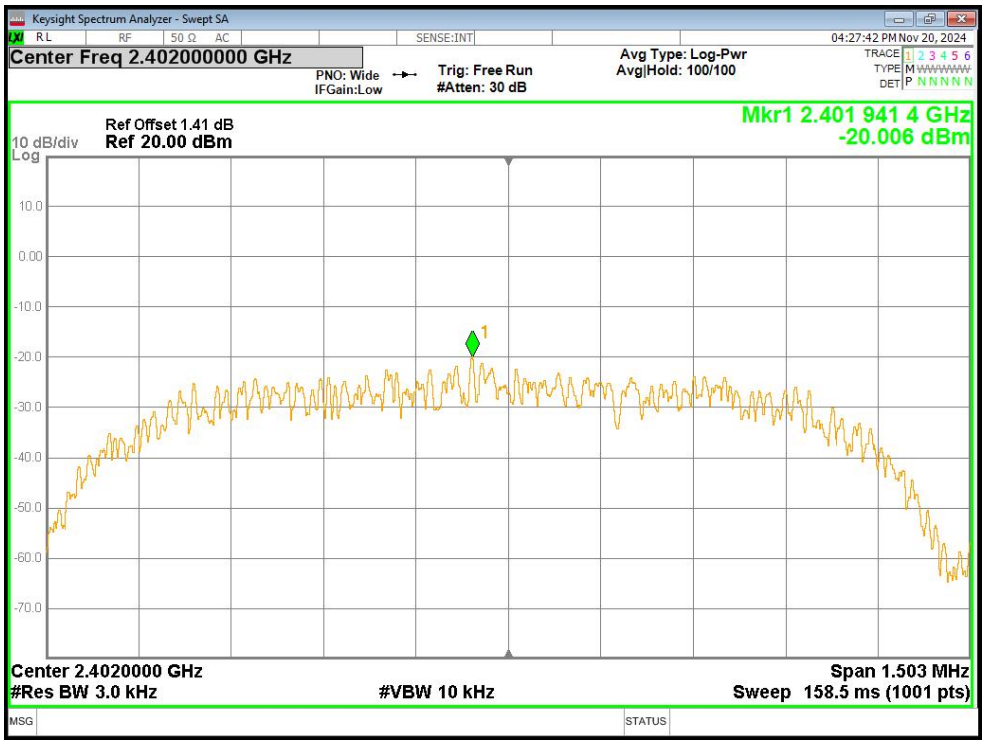
-6dB Bandwidth NVNT BLE 1M 2480MHz Ant1



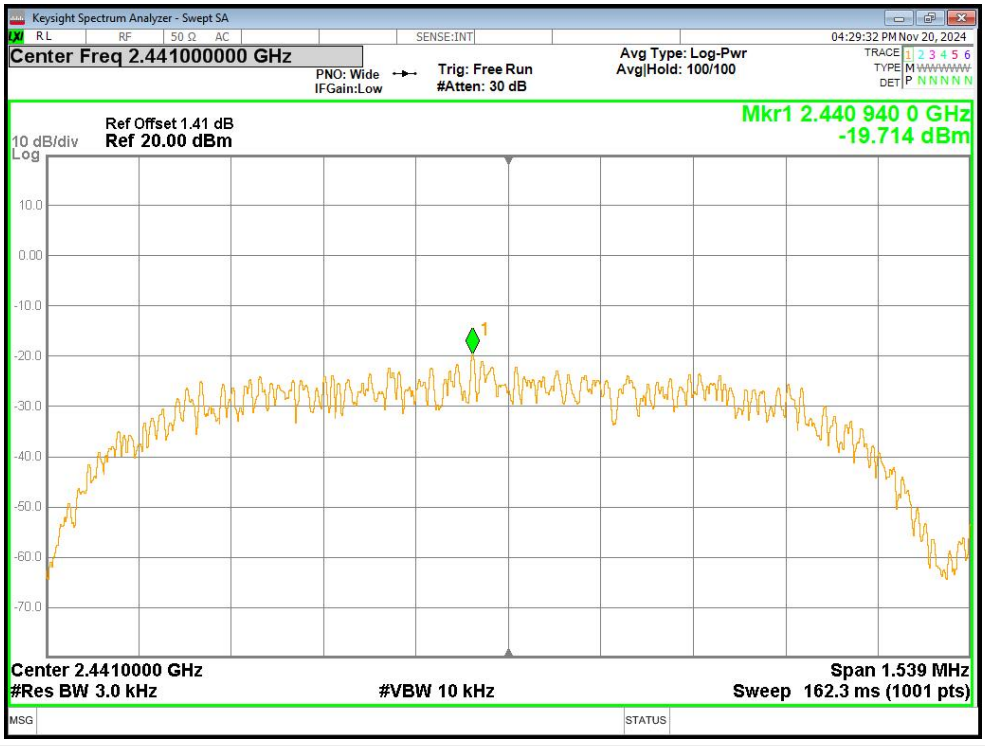
3.Maximum Power Spectral Density Level

Mode	Frequency (MHz)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-20.01	8	Pass
BLE 1M	2441	-19.71	8	Pass
BLE 1M	2480	-20.58	8	Pass

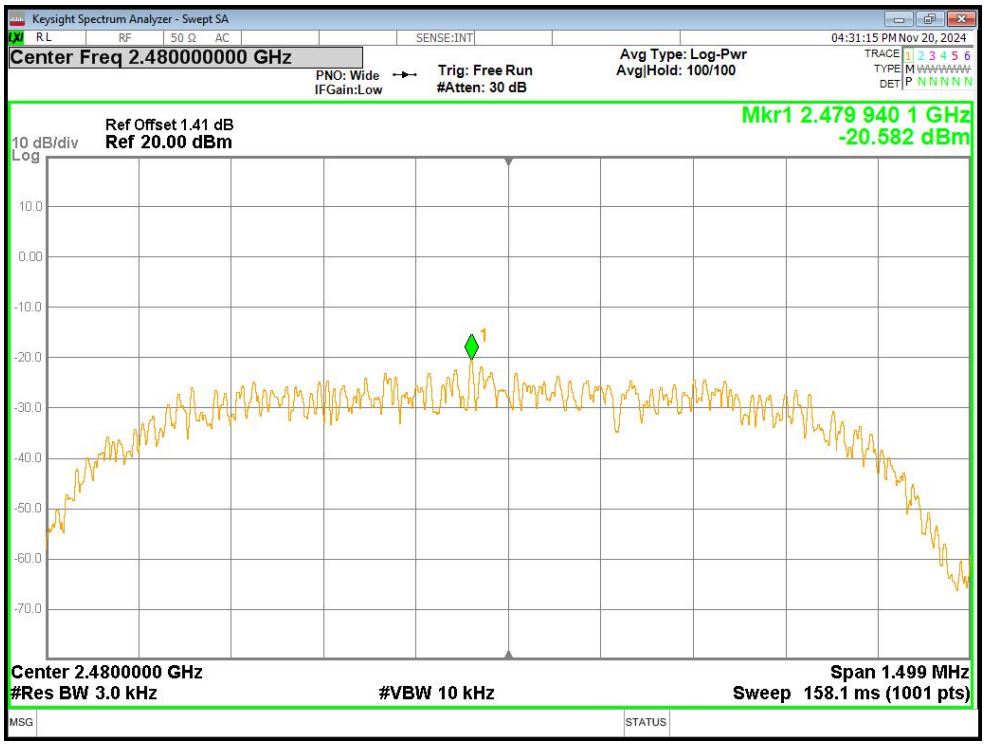
Test Graphs
PSD NVNT BLE 1M 2402MHz Ant1



PSD NVNT BLE 1M 2441MHz Ant1



PSD NVNT BLE 1M 2480MHz Ant1

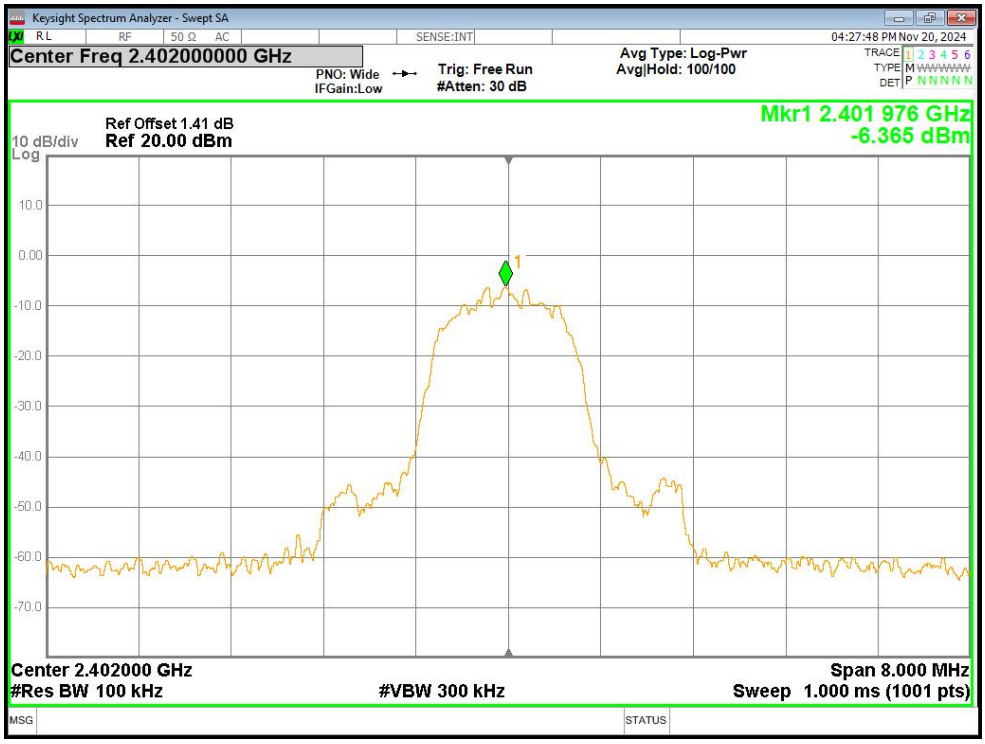


4.Band Edge

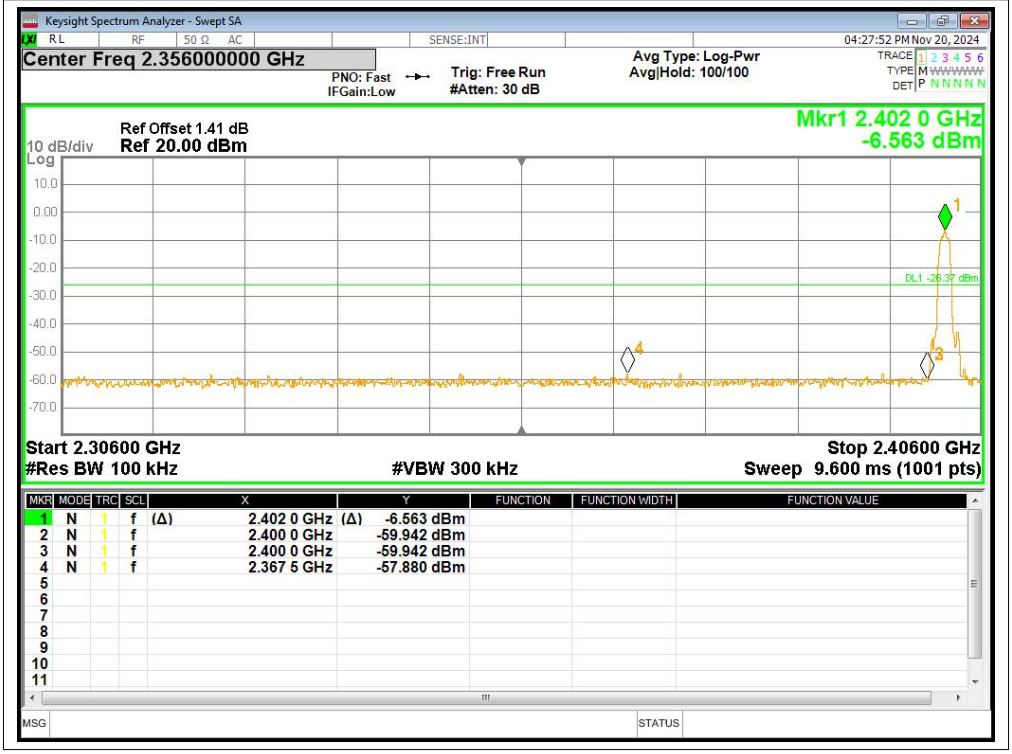
Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-51.51	-20	Pass
BLE 1M	2480	-51.38	-20	Pass

Test Graphs

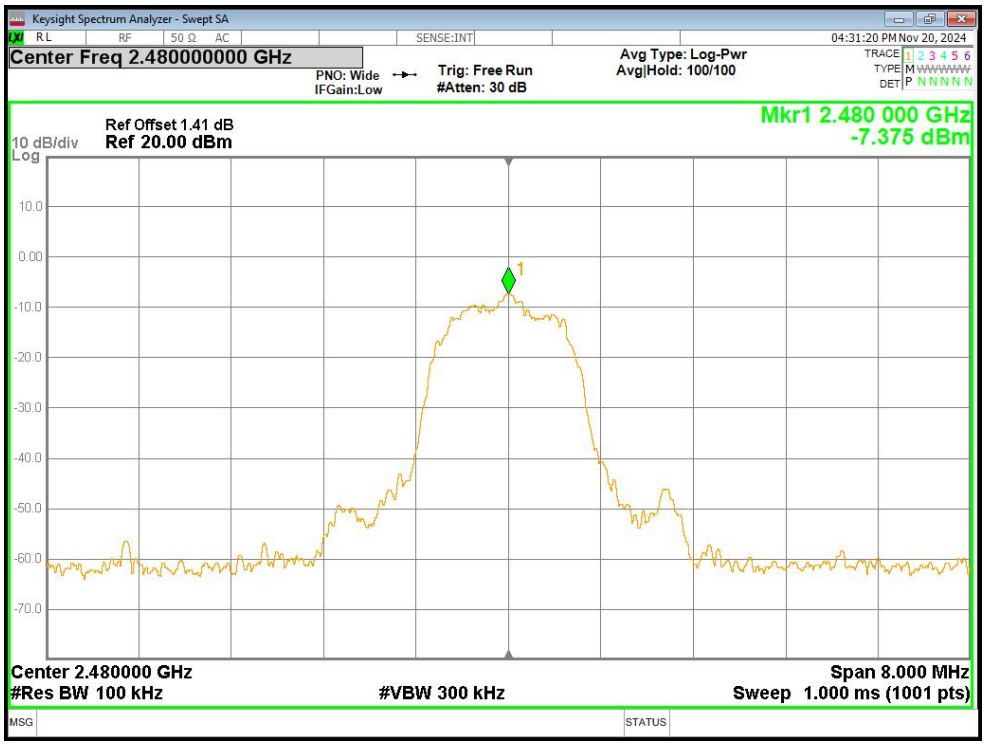
Band Edge NVNT BLE 1M 2402MHz Ant1 Ref



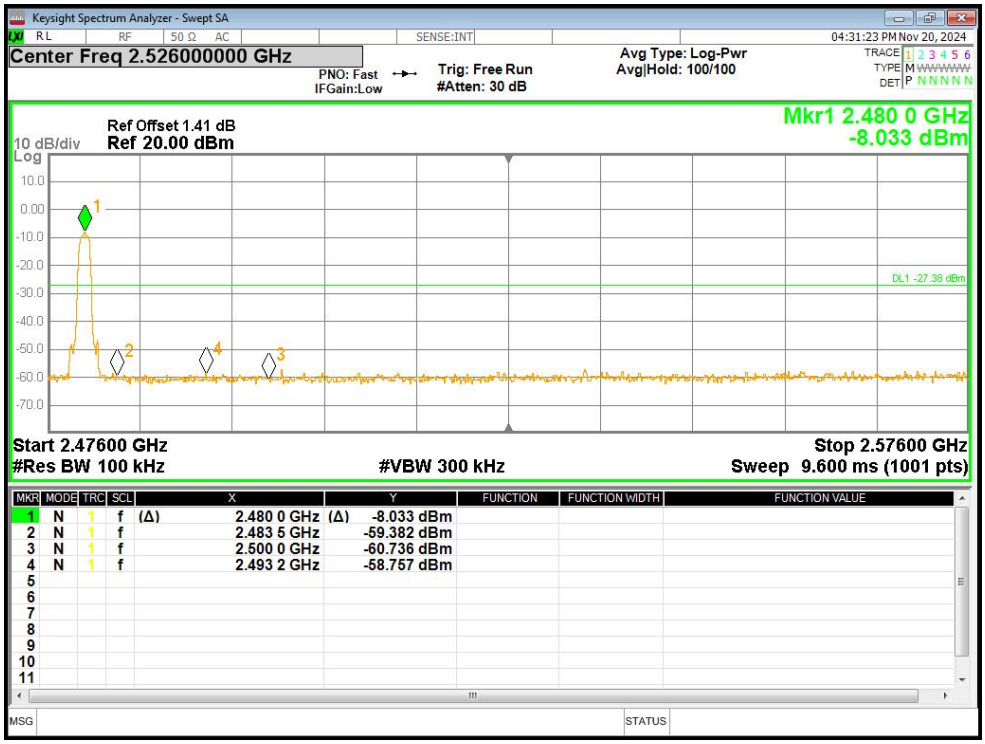
Band Edge NVNT BLE 1M 2402MHz Ant1 Emission



Band Edge NVNT BLE 1M 2480MHz Ant1 Ref



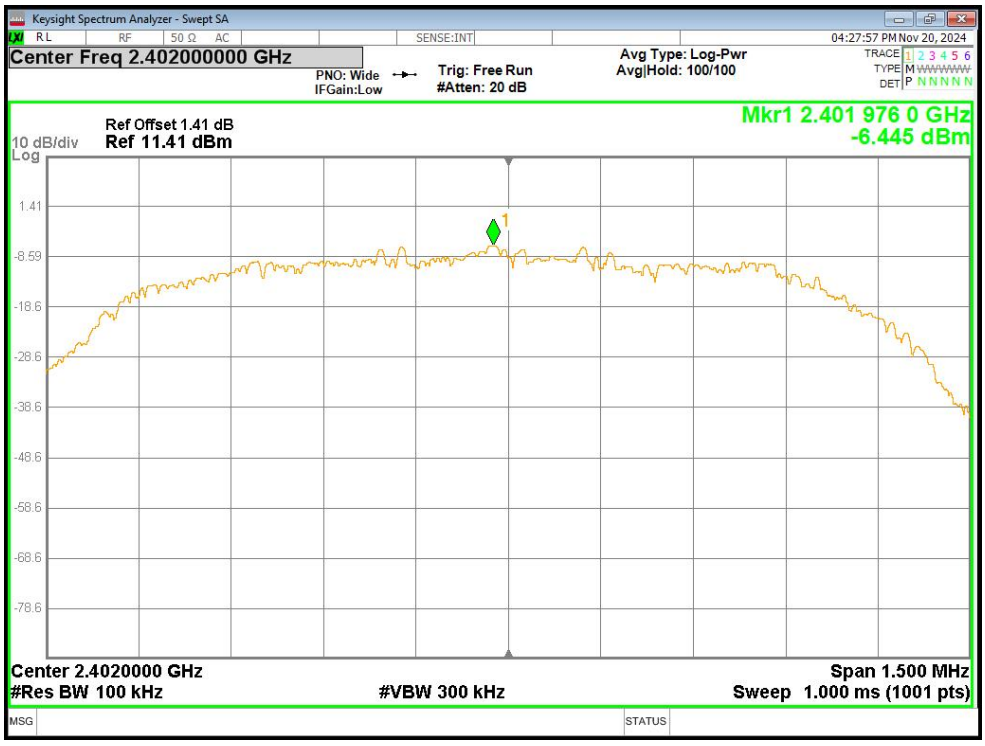
Band Edge NVNT BLE 1M 2480MHz Ant1 Emission



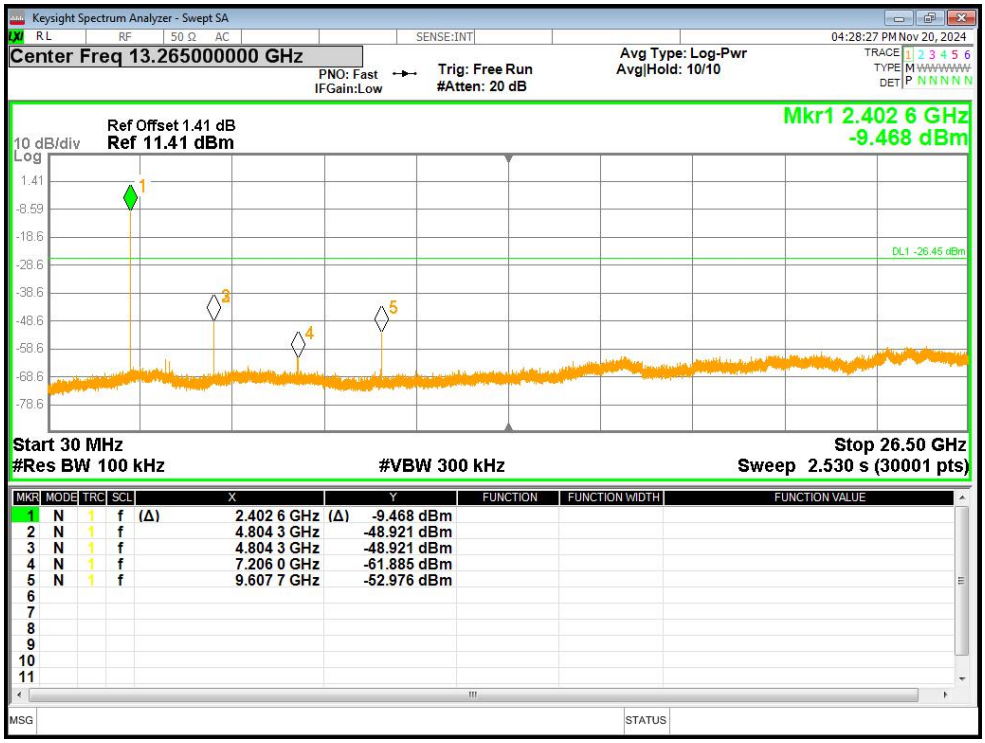
5.Conducted RF Spurious Emission

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-42.48	-20	Pass
BLE 1M	2441	-43.63	-20	Pass
BLE 1M	2480	-46.46	-20	Pass

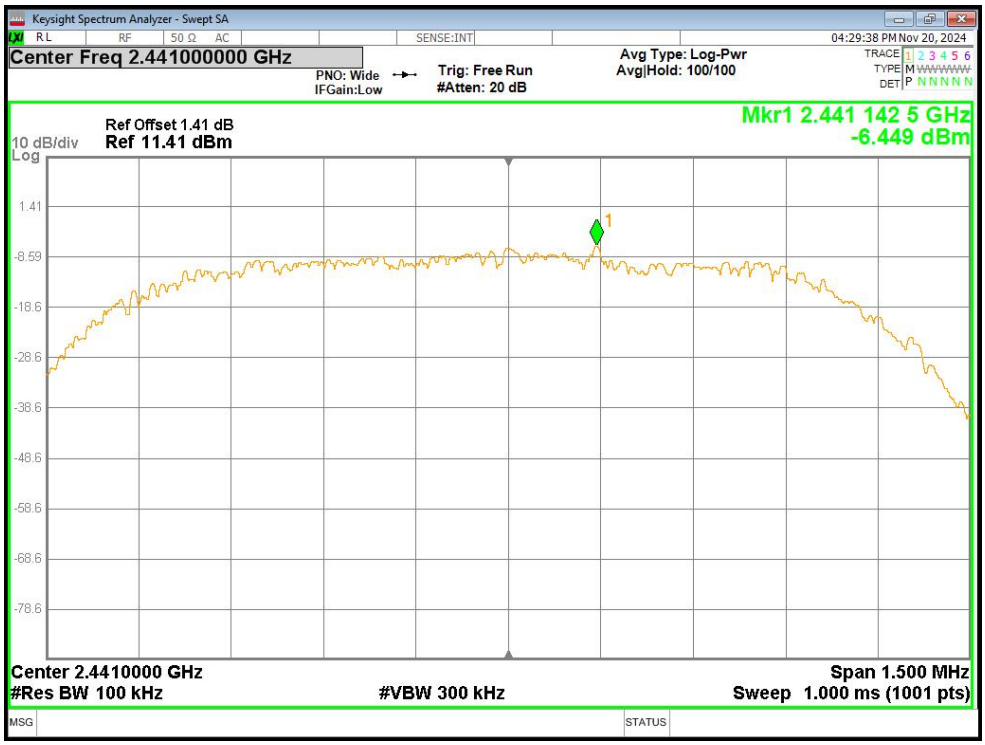
Test Graphs
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Ref



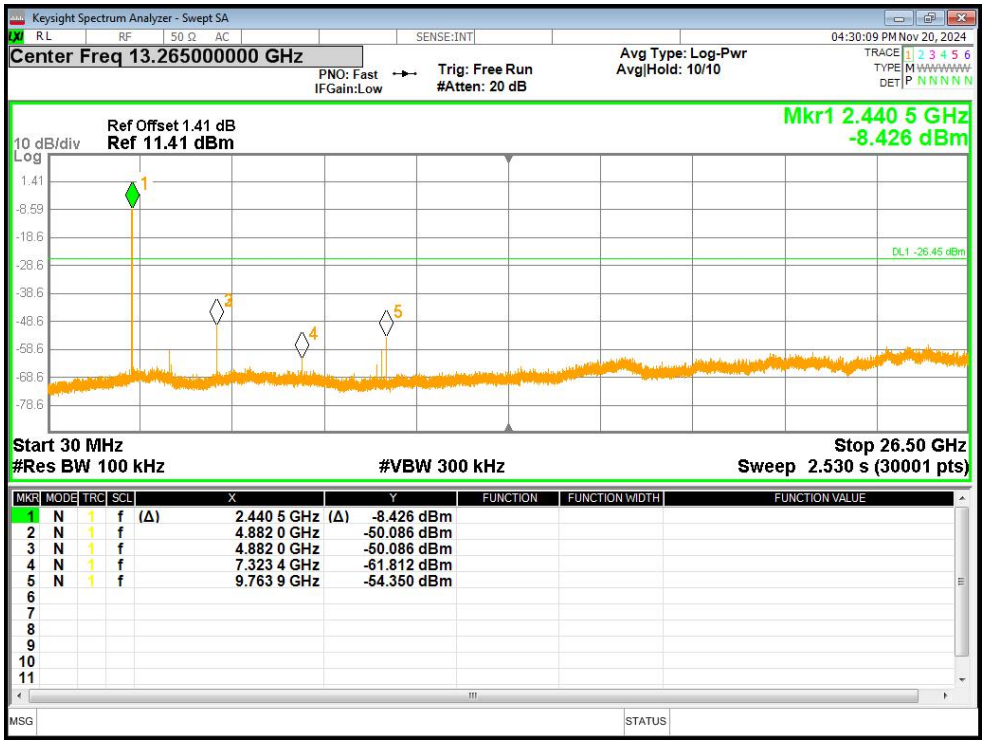
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Emission



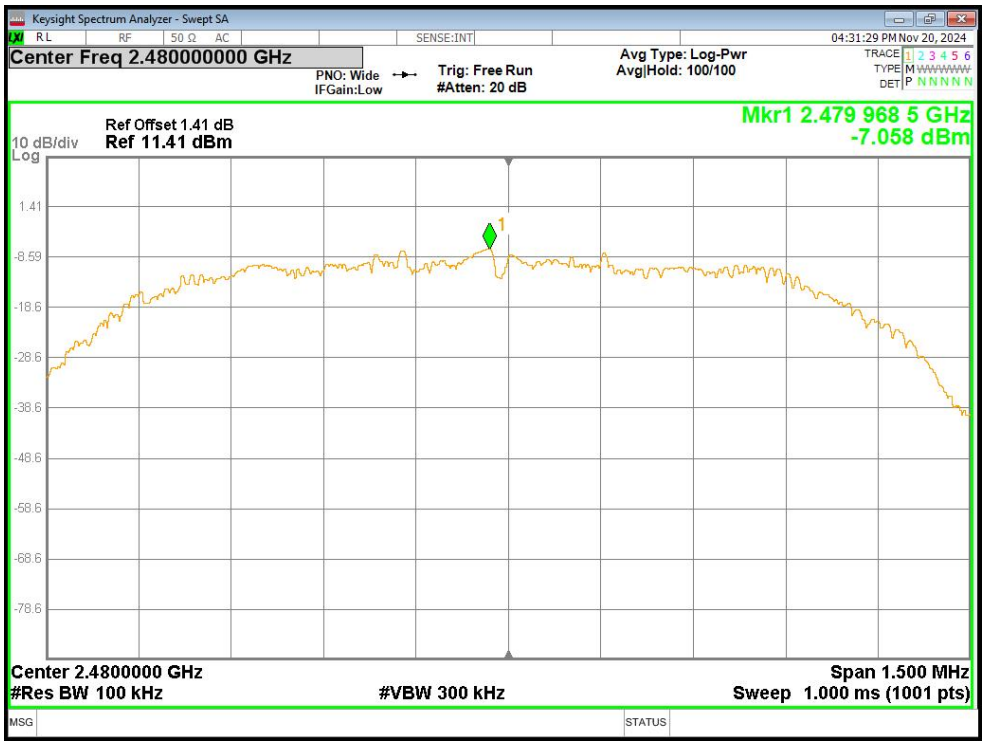
Tx. Spurious NVNT BLE 1M 2441MHz Ant1 Ref



Tx. Spurious NVNT BLE 1M 2441MHz Ant1 Emission



Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Ref



Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Emission