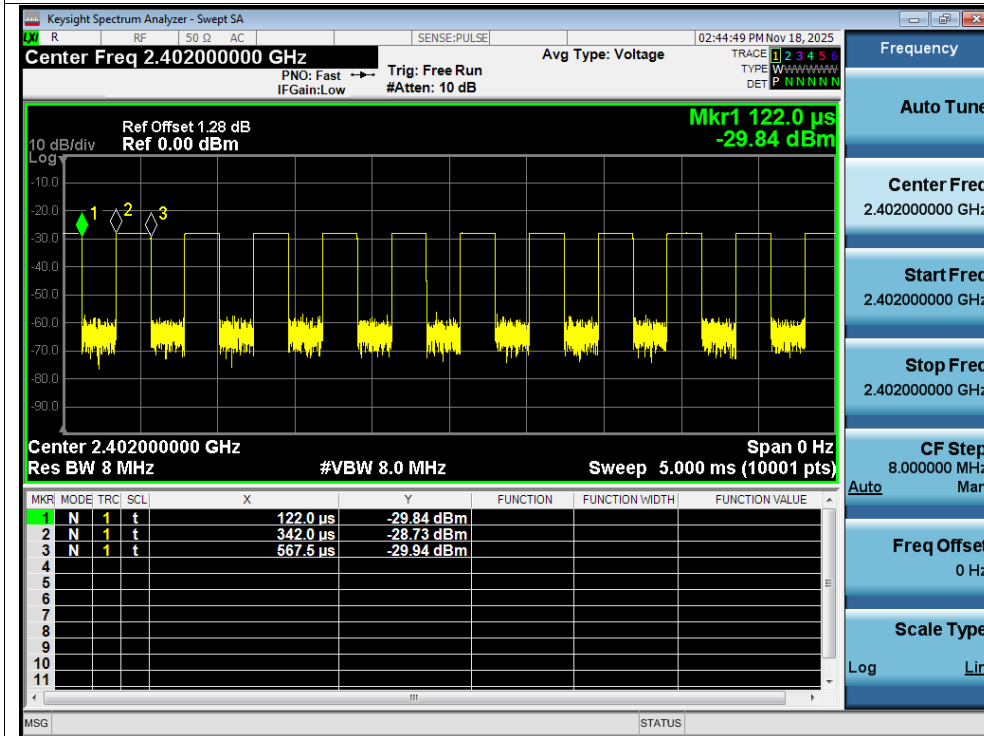


Duty Cycle

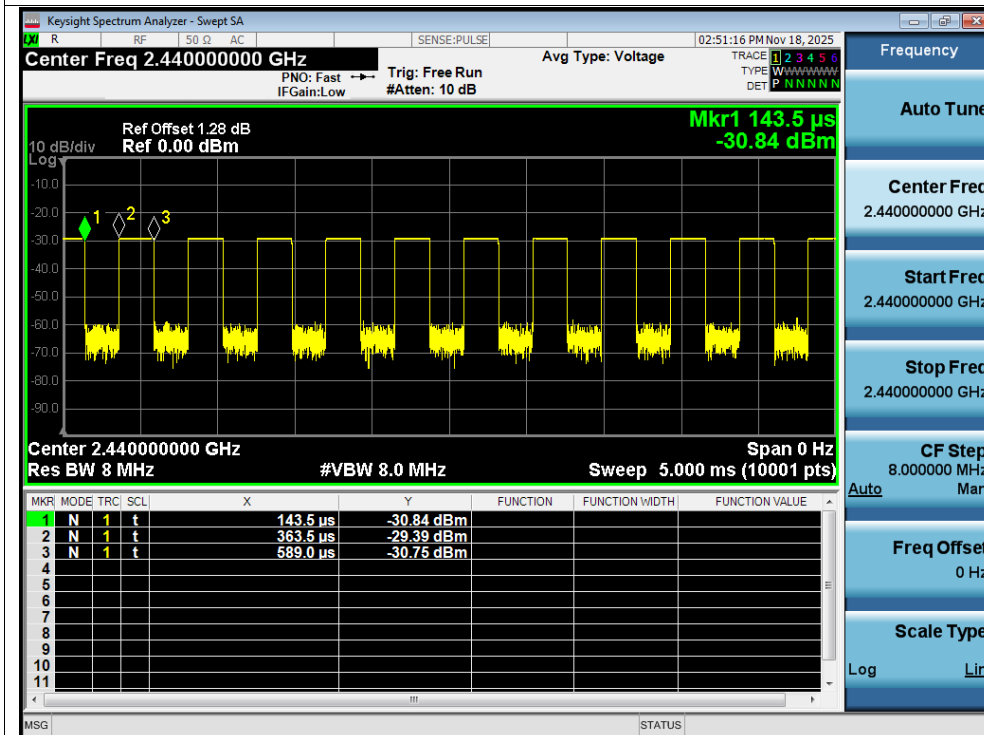
Condition	Mode	Frequency (MHz)	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant4	0.23	0.45	51.11	2.91	4.43
NVNT	BLE 1M	2440	Ant4	0.23	0.45	51.11	2.91	4.43
NVNT	BLE 1M	2480	Ant4	0.23	0.45	51.11	2.91	4.43
NVNT	BLE 2M	2402	Ant4	0.14	0.36	38.89	4.1	7.35
NVNT	BLE 2M	2440	Ant4	0.14	0.36	38.89	4.1	7.35
NVNT	BLE 2M	2480	Ant4	0.14	0.36	38.89	4.1	7.35

Test Graphs

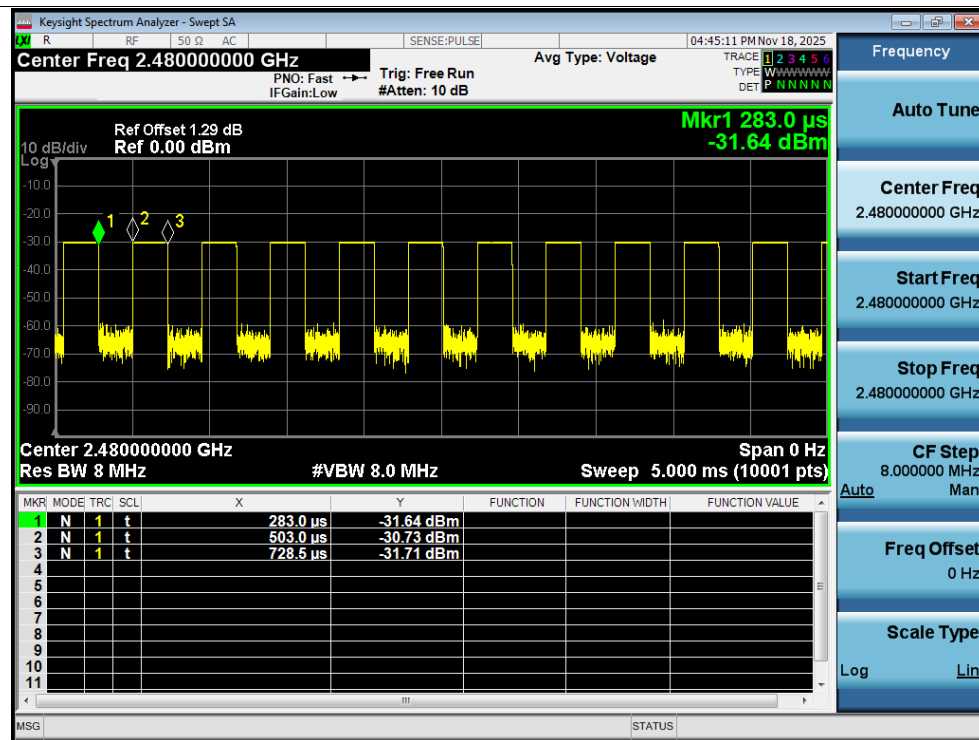
Duty Cycle NVNT BLE 1M 2402MHz Ant4



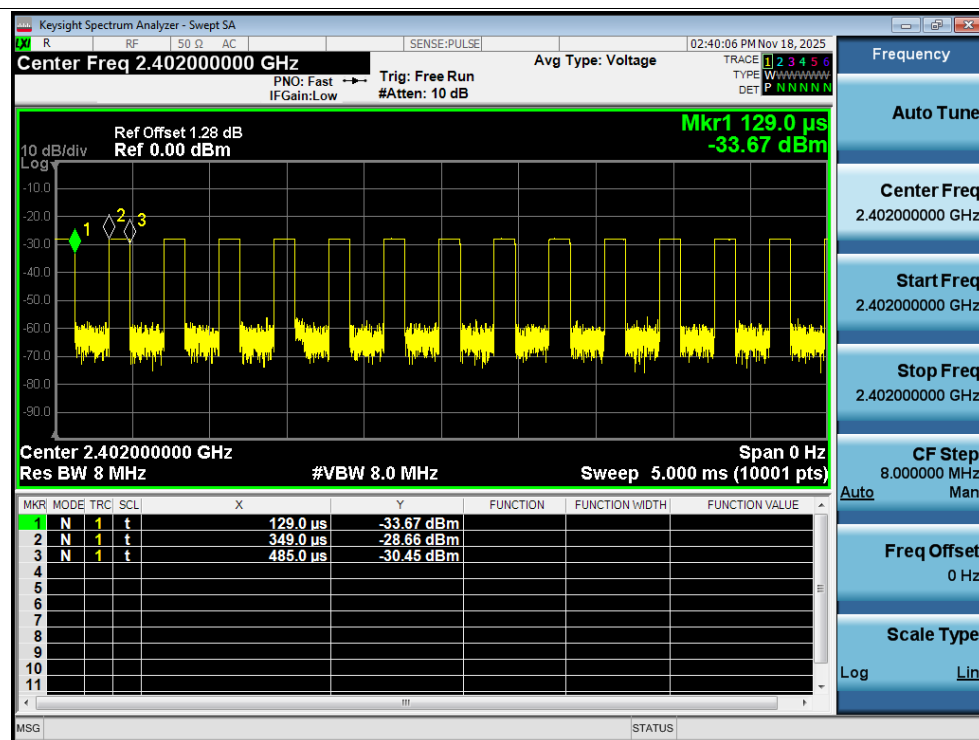
Duty Cycle NVNT BLE 1M 2440MHz Ant4



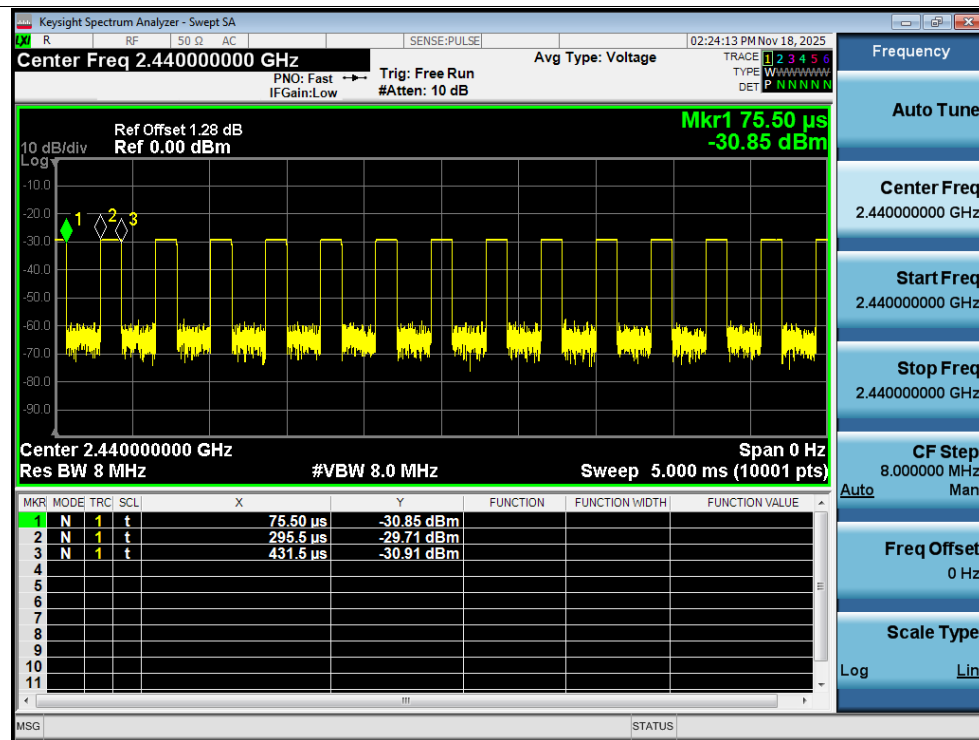
Duty Cycle NVNT BLE 1M 2480MHz Ant4



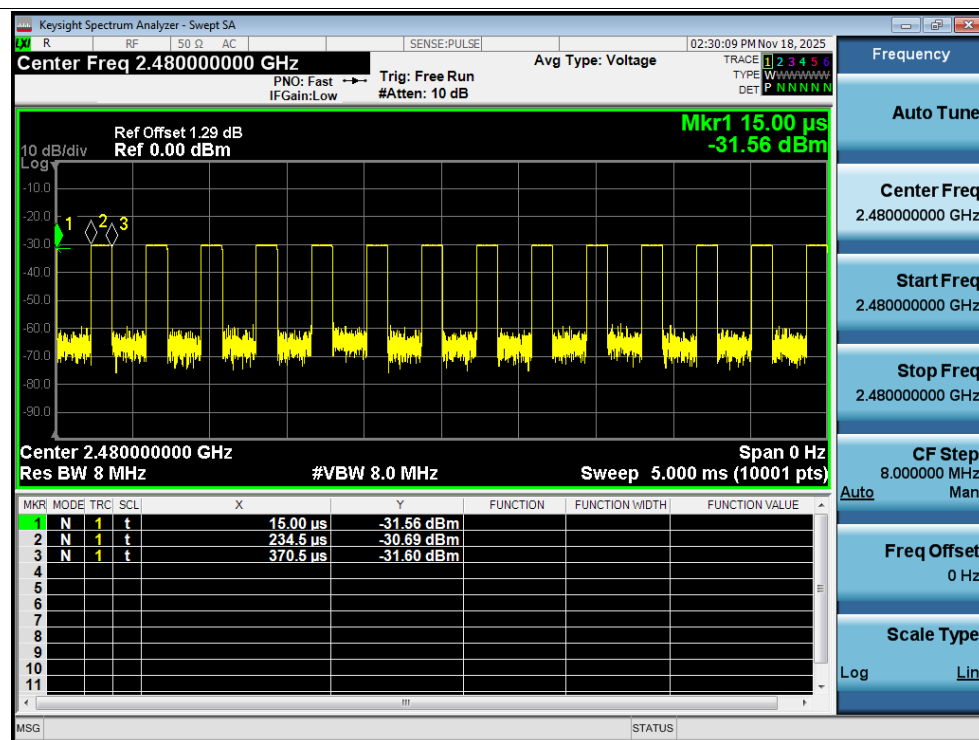
Duty Cycle NVNT BLE 2M 2402MHz Ant4



Duty Cycle NVNT BLE 2M 2440MHz Ant4



Duty Cycle NVNT BLE 2M 2480MHz Ant4

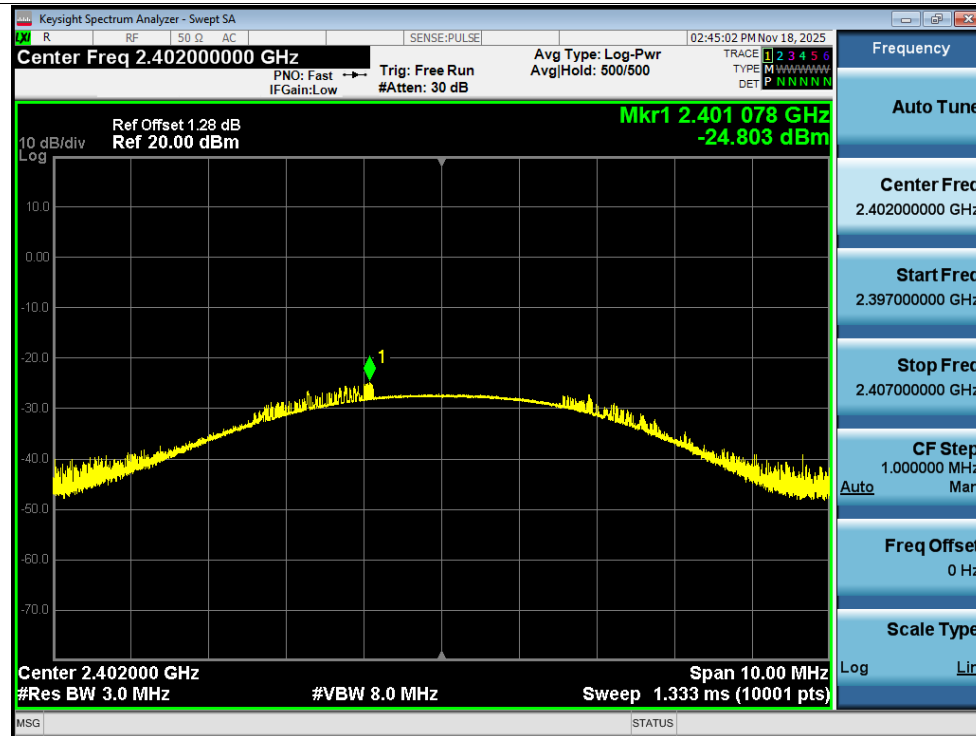


Maximum Conducted Output Power

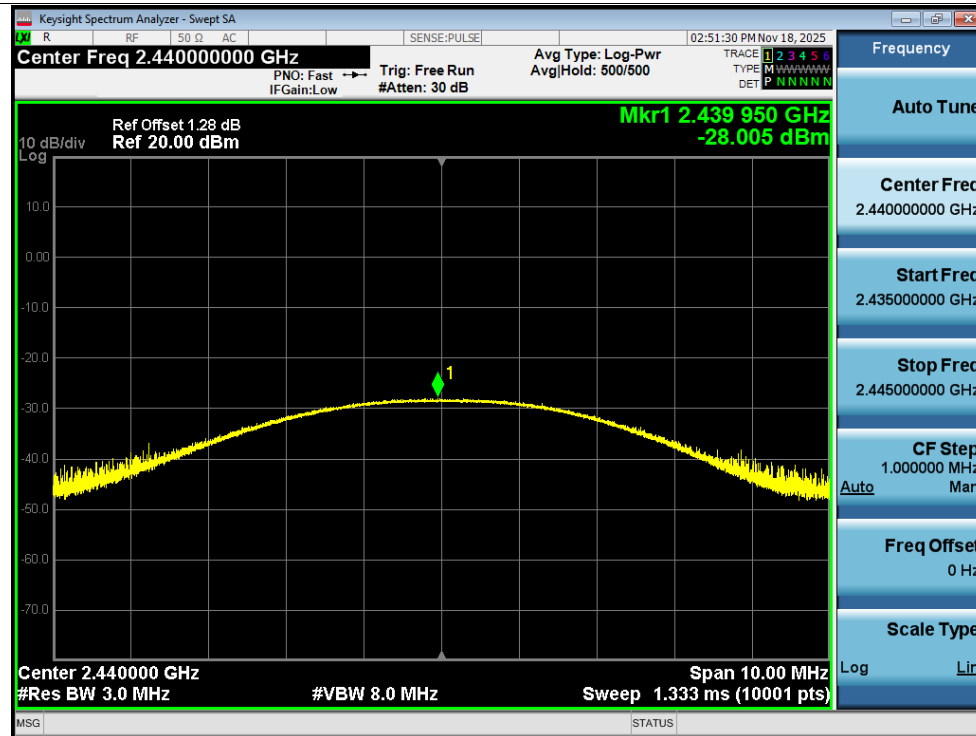
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant4	-24.8	30	Pass
NVNT	BLE 1M	2440	Ant4	-28.01	30	Pass
NVNT	BLE 1M	2480	Ant4	-26.9	30	Pass
NVNT	BLE 2M	2402	Ant4	-23.3	30	Pass
NVNT	BLE 2M	2440	Ant4	-27.99	30	Pass
NVNT	BLE 2M	2480	Ant4	-25.54	30	Pass

Test Graphs

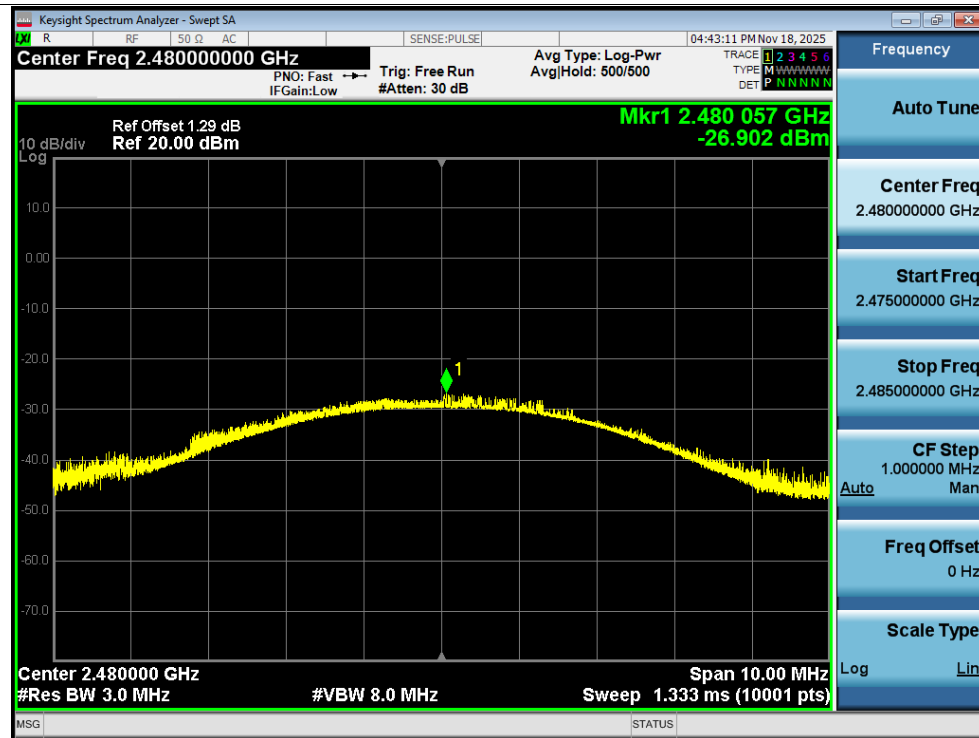
Power NVNT BLE 1M 2402MHz Ant4



Power NVNT BLE 1M 2440MHz Ant4



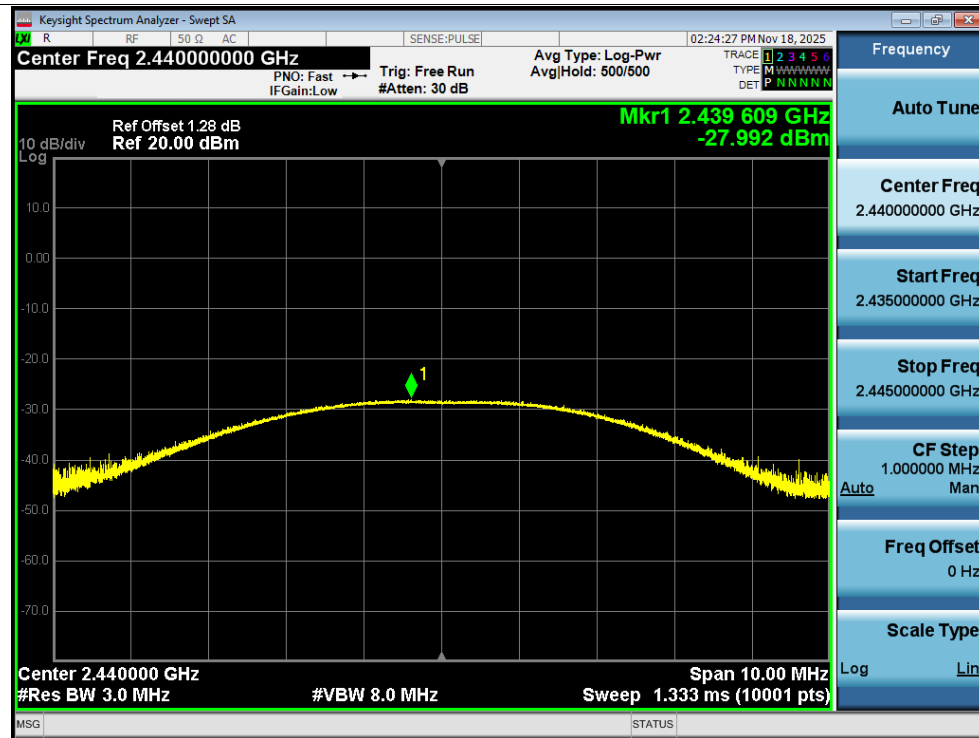
Power NVNT BLE 1M 2480MHz Ant4



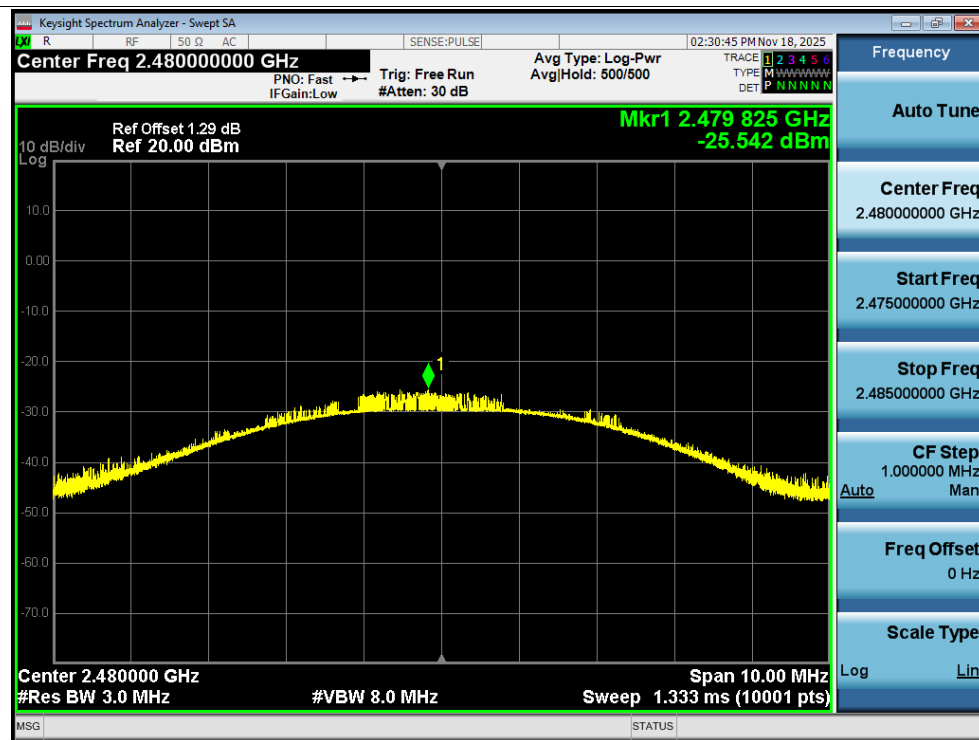
Power NVNT BLE 2M 2402MHz Ant4



Power NVNT BLE 2M 2440MHz Ant4



Power NVNT BLE 2M 2480MHz Ant4



-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant4	0.65	0.5	Pass
NVNT	BLE 1M	2440	Ant4	0.64	0.5	Pass
NVNT	BLE 1M	2480	Ant4	0.64	0.5	Pass
NVNT	BLE 2M	2402	Ant4	1.03	0.5	Pass
NVNT	BLE 2M	2440	Ant4	1.06	0.5	Pass
NVNT	BLE 2M	2480	Ant4	1.04	0.5	Pass

Test Graphs

-6dB Bandwidth NVNT BLE 1M 2402MHz Ant4



-6dB Bandwidth NVNT BLE 1M 2440MHz Ant4



-6dB Bandwidth NVNT BLE 1M 2480MHz Ant4



-6dB Bandwidth NVNT BLE 2M 2402MHz Ant4



-6dB Bandwidth NVNT BLE 2M 2440MHz Ant4



-6dB Bandwidth NVNT BLE 2M 2480MHz Ant4



Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant4	1.037
NVNT	BLE 1M	2440	Ant4	1.042
NVNT	BLE 1M	2480	Ant4	1.042
NVNT	BLE 2M	2402	Ant4	2.071
NVNT	BLE 2M	2440	Ant4	2.082
NVNT	BLE 2M	2480	Ant4	2.09

Test Graphs

OBW NVNT BLE 1M 2402MHz Ant4



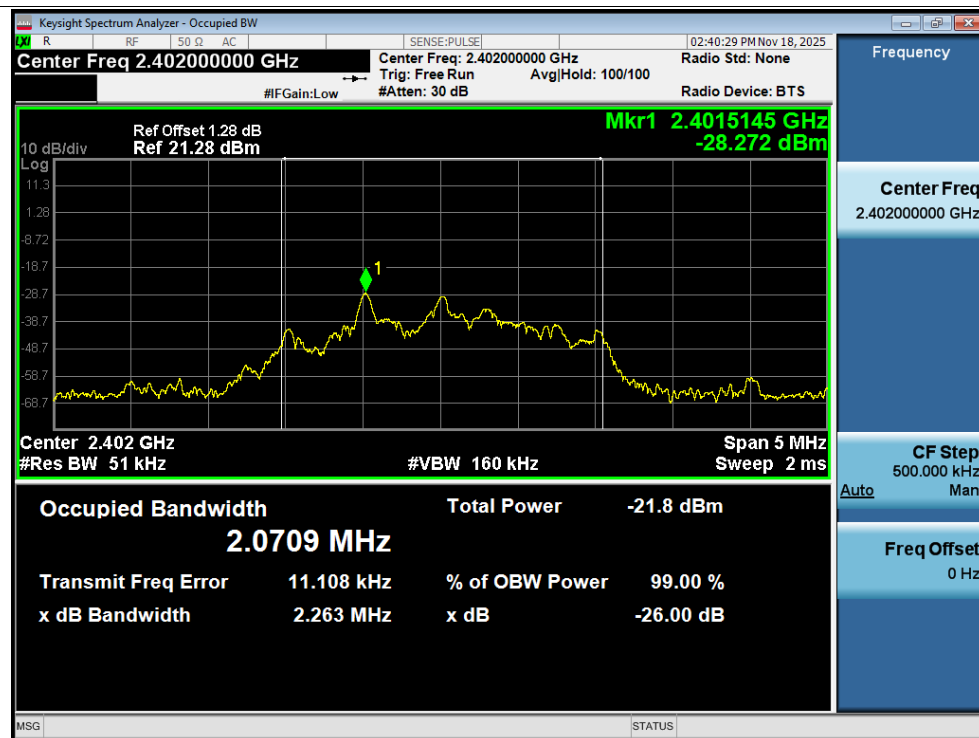
OBW NVNT BLE 1M 2440MHz Ant4



OBW NVNT BLE 1M 2480MHz Ant4



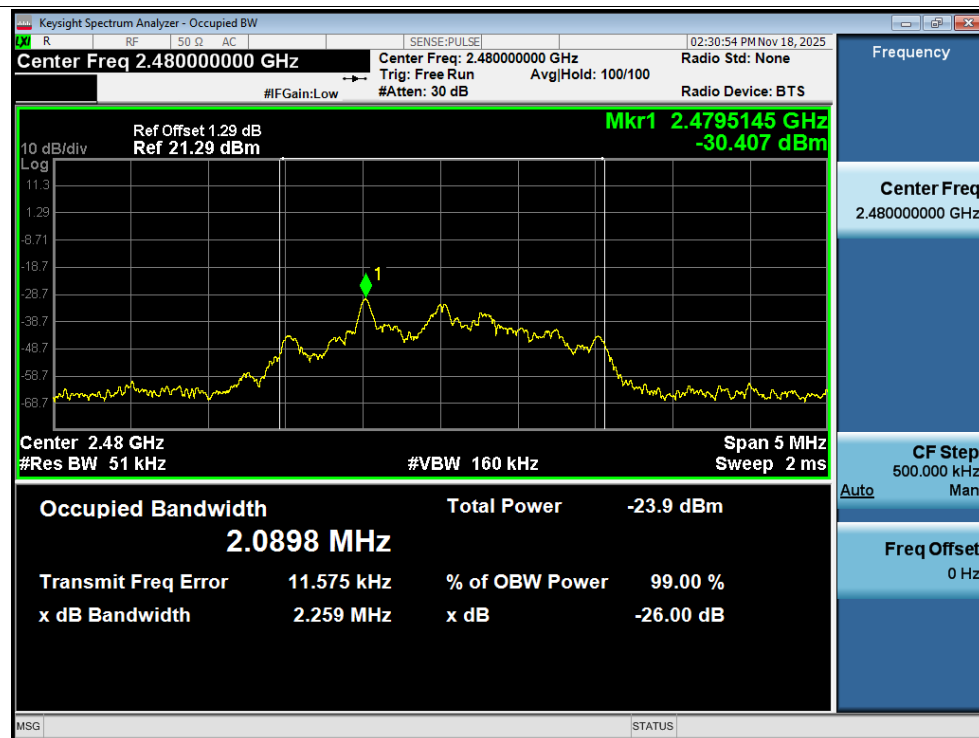
OBW NVNT BLE 2M 2402MHz Ant4



OBW NVNT BLE 2M 2440MHz Ant4



OBW NVNT BLE 2M 2480MHz Ant4



Maximum Power Spectral Density Level

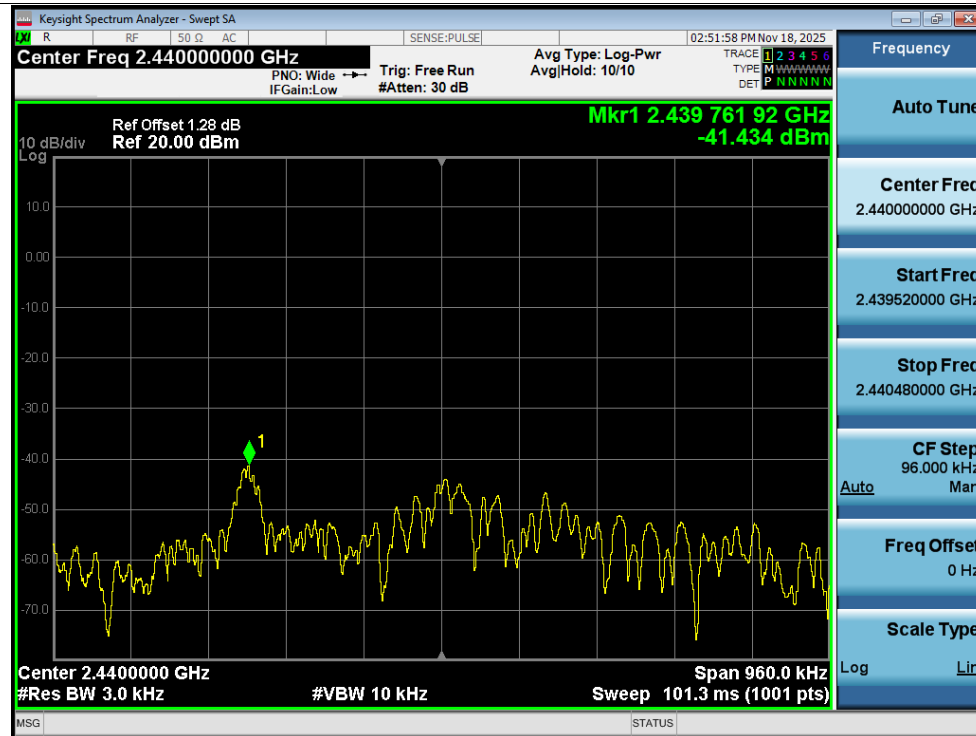
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant4	-40.38	8	Pass
NVNT	BLE 1M	2440	Ant4	-41.43	8	Pass
NVNT	BLE 1M	2480	Ant4	-41.29	8	Pass
NVNT	BLE 2M	2402	Ant4	-40.1	8	Pass
NVNT	BLE 2M	2440	Ant4	-41.21	8	Pass
NVNT	BLE 2M	2480	Ant4	-42.32	8	Pass

Test Graphs

PSD NVNT BLE 1M 2402MHz Ant4



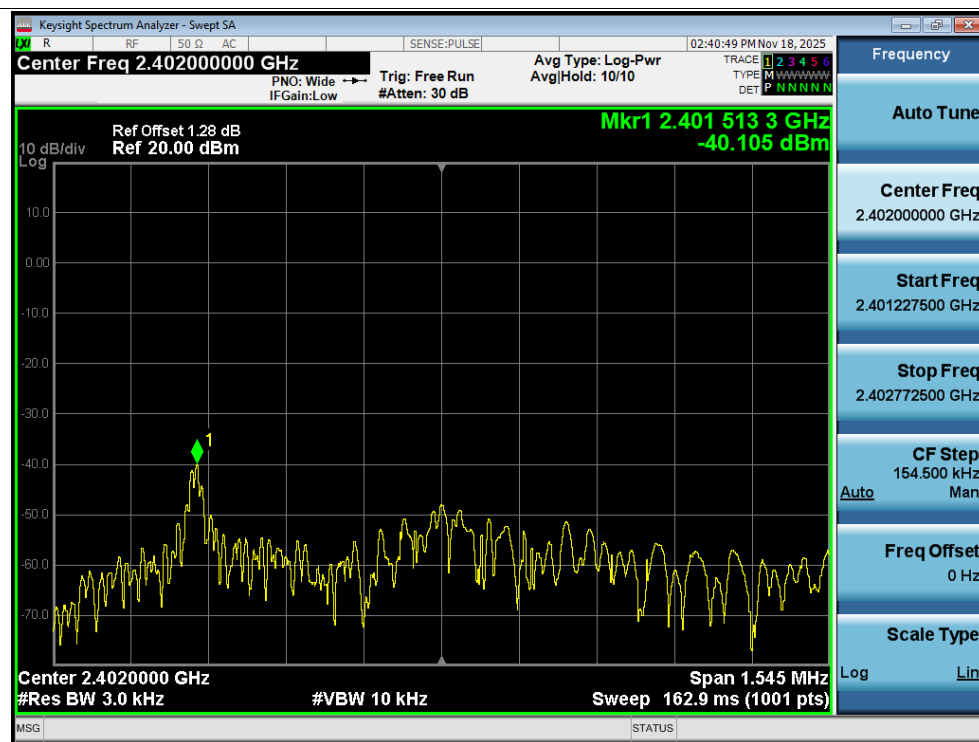
PSD NVNT BLE 1M 2440MHz Ant4



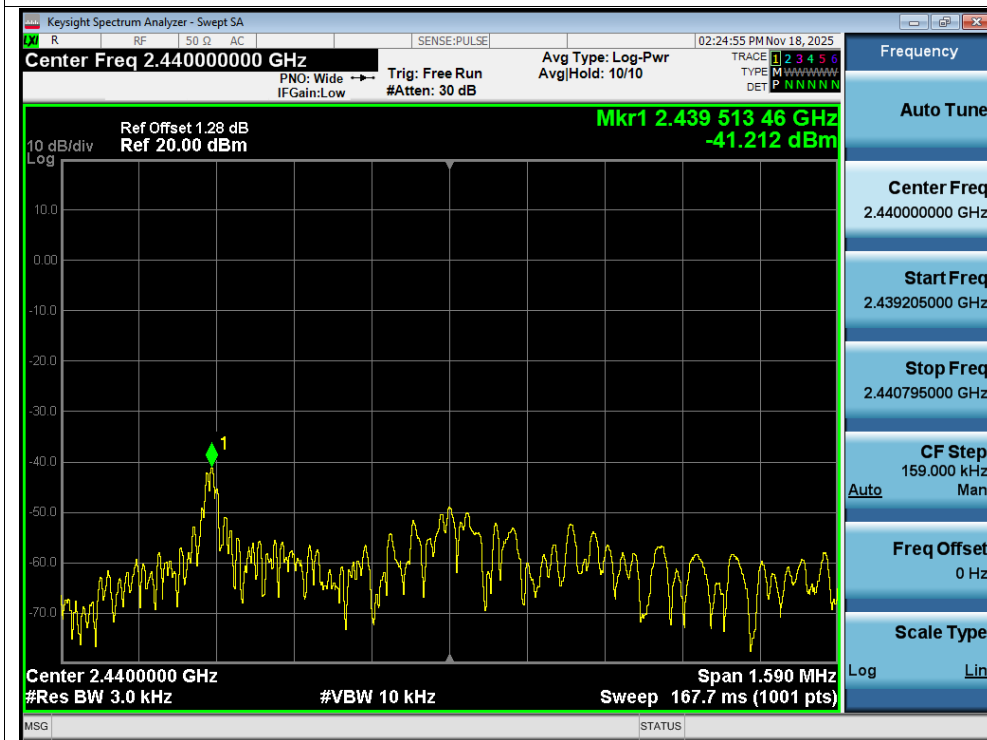
PSD NVNT BLE 1M 2480MHz Ant4



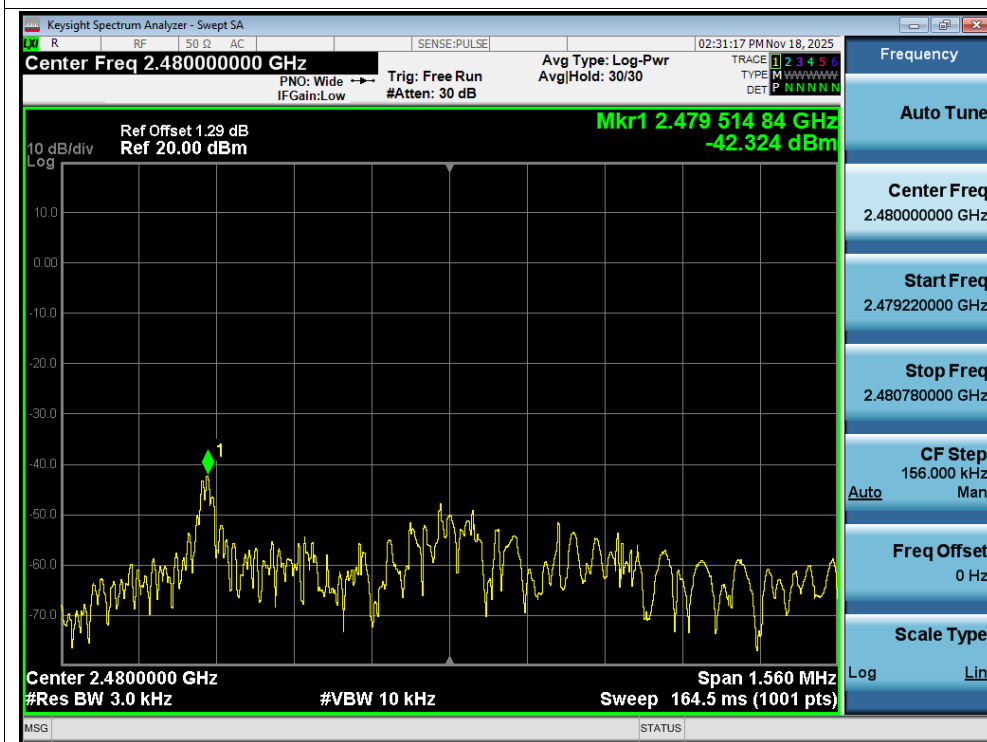
PSD NVNT BLE 2M 2402MHz Ant4



PSD NVNT BLE 2M 2440MHz Ant4



PSD NVNT BLE 2M 2480MHz Ant4

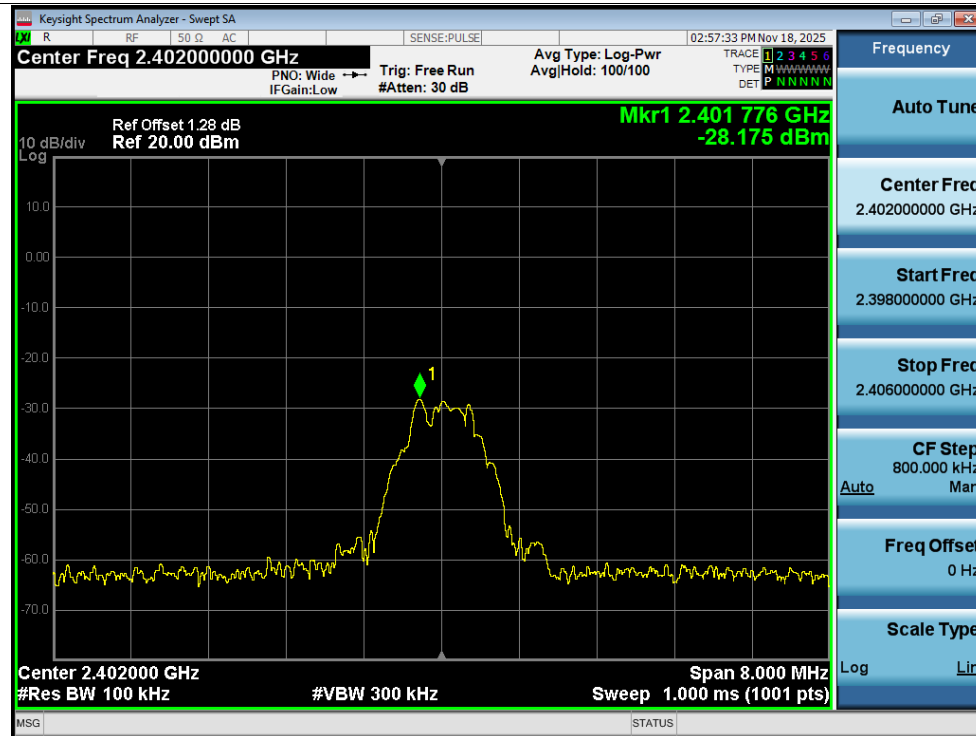


Band Edge

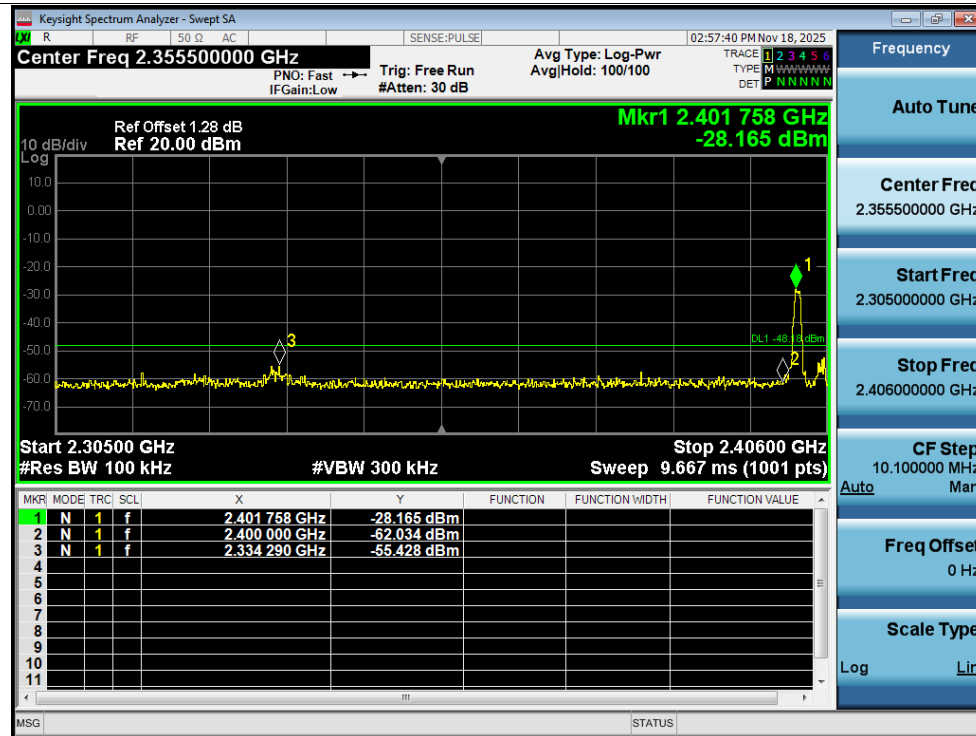
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant4	-27.26	-20	Pass
NVNT	BLE 1M	2480	Ant4	-32.12	-20	Pass
NVNT	BLE 2M	2402	Ant4	-29.63	-20	Pass
NVNT	BLE 2M	2480	Ant4	-27.19	-20	Pass

Test Graphs

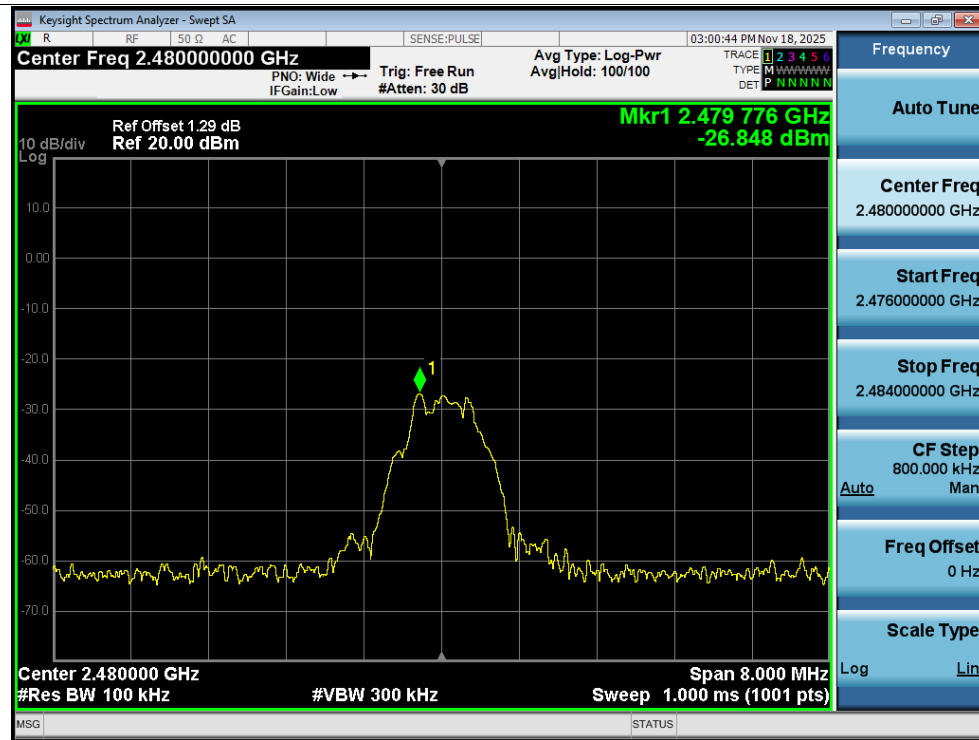
Band Edge NVNT BLE 1M 2402MHz Ant4 Ref



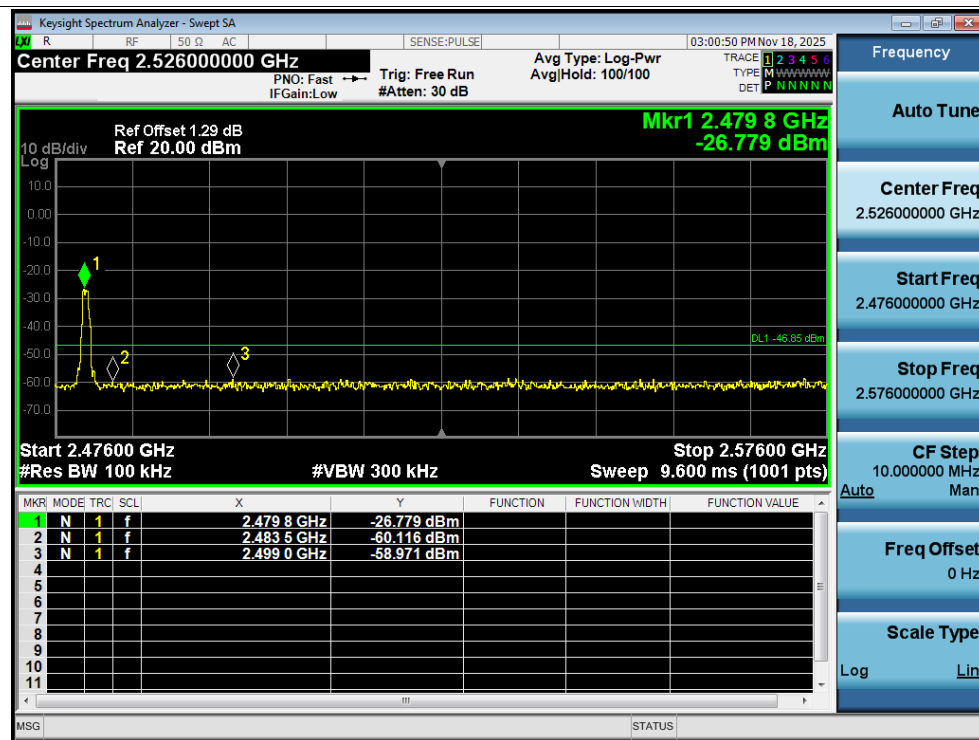
Band Edge NVNT BLE 1M 2402MHz Ant4 Emission



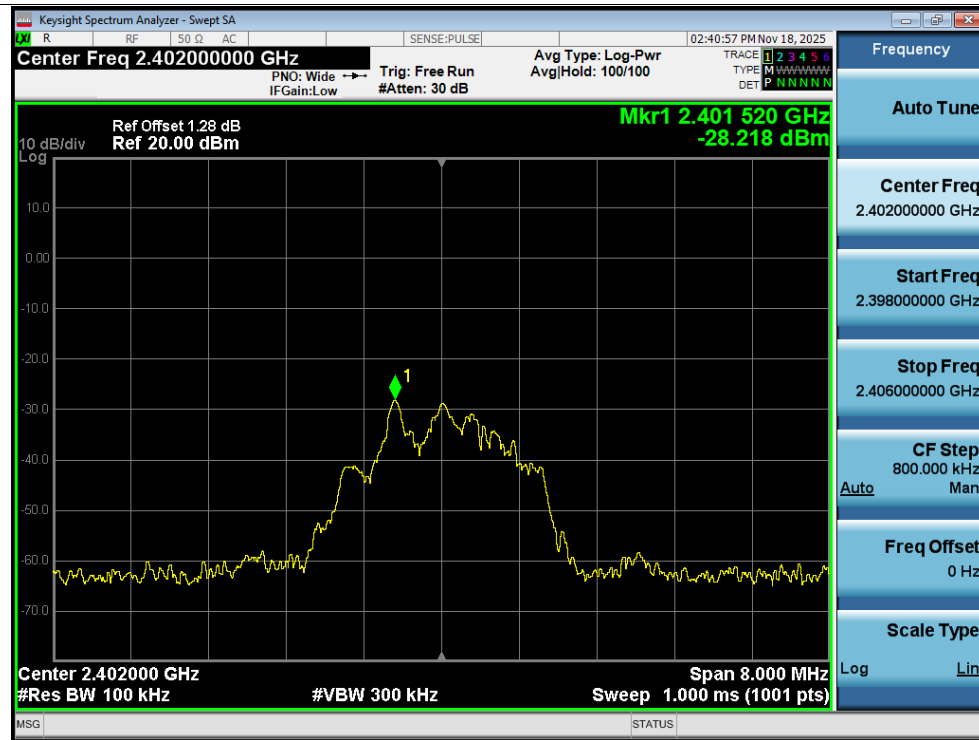
Band Edge NVNT BLE 1M 2480MHz Ant4 Ref



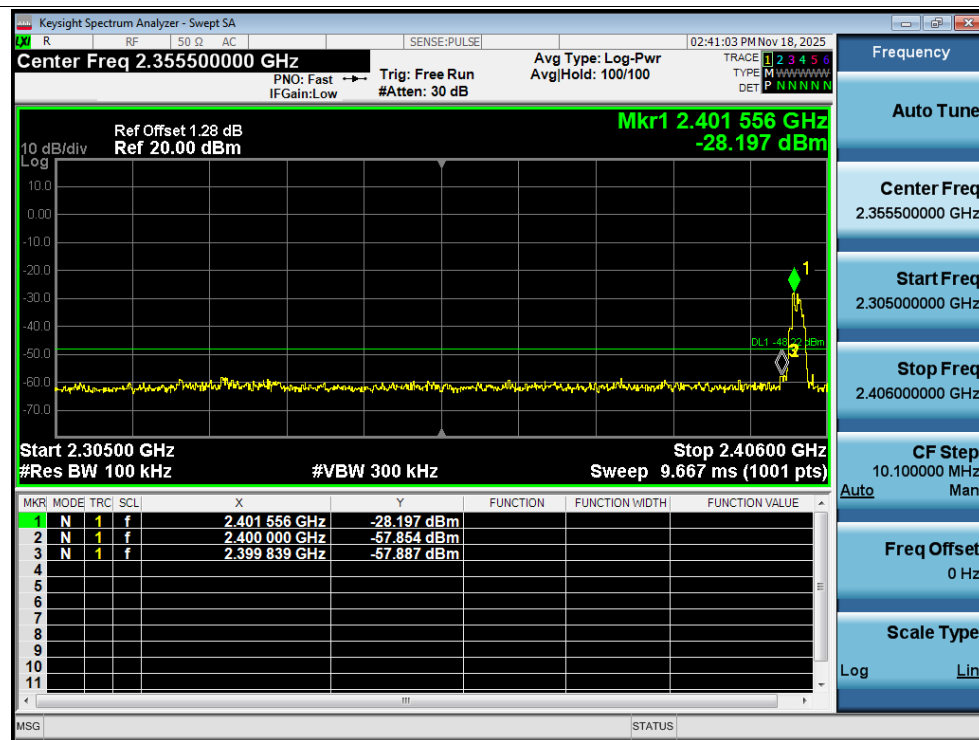
Band Edge NVNT BLE 1M 2480MHz Ant4 Emission



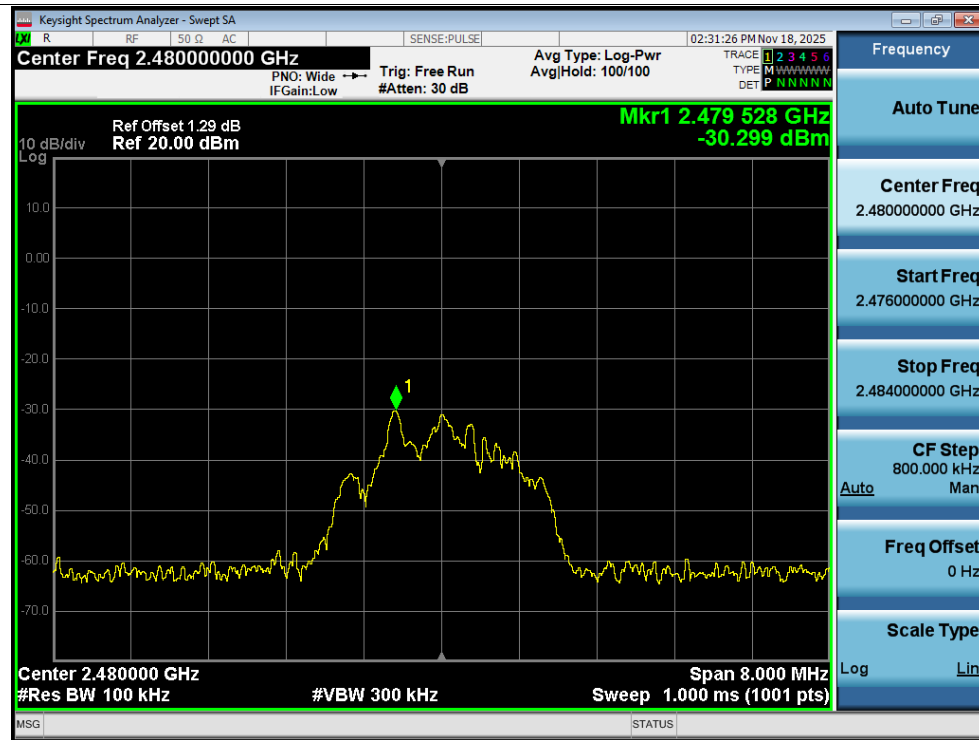
Band Edge NVNT BLE 2M 2402MHz Ant4 Ref



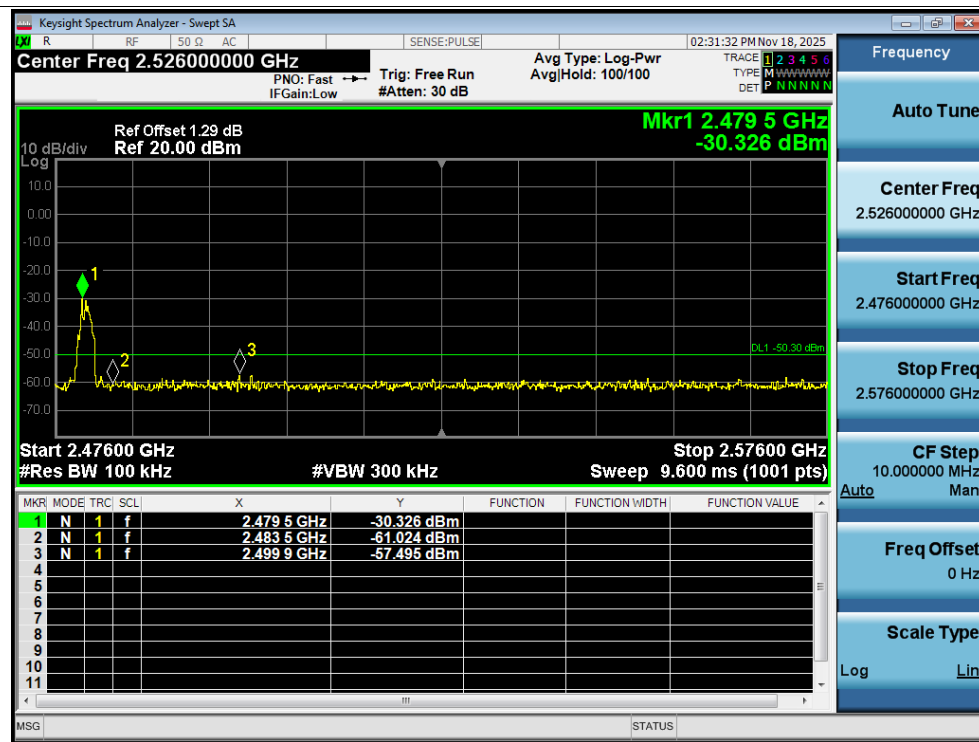
Band Edge NVNT BLE 2M 2402MHz Ant4 Emission



Band Edge NVNT BLE 2M 2480MHz Ant4 Ref



Band Edge NVNT BLE 2M 2480MHz Ant4 Emission



Conducted RF Spurious Emission

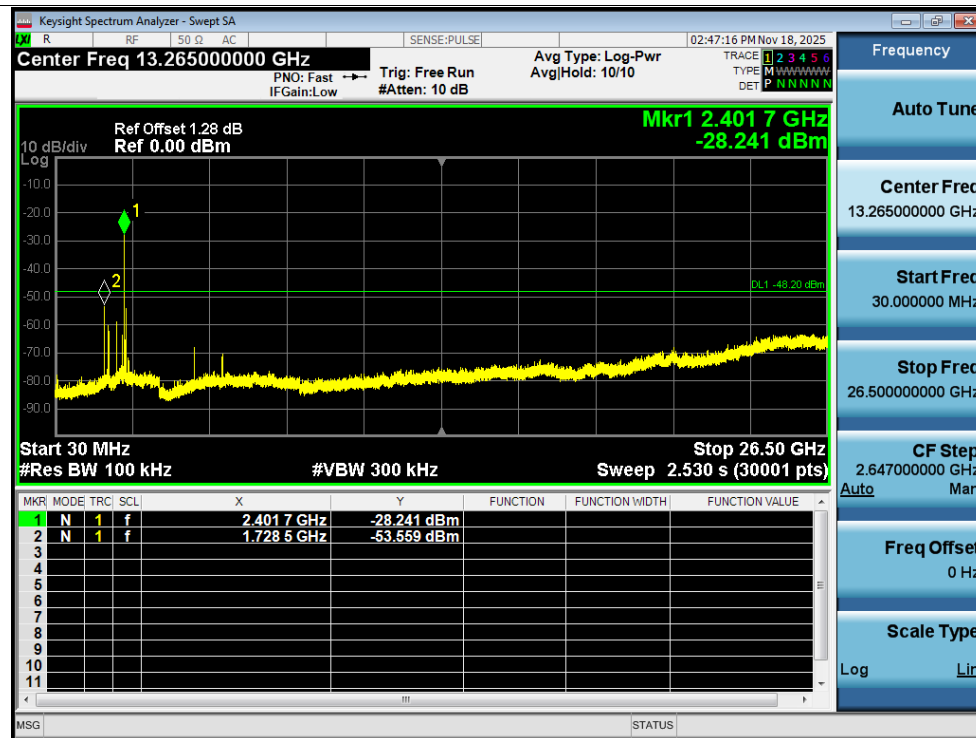
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant4	-25.36	-20	Pass
NVNT	BLE 1M	2440	Ant4	-32.2	-20	Pass
NVNT	BLE 1M	2480	Ant4	-30.89	-20	Pass
NVNT	BLE 2M	2402	Ant4	-31.71	-20	Pass
NVNT	BLE 2M	2440	Ant4	-29.69	-20	Pass
NVNT	BLE 2M	2480	Ant4	-31.39	-20	Pass

Test Graphs

Tx. Spurious NVNT BLE 1M 2402MHz Ant4 Ref



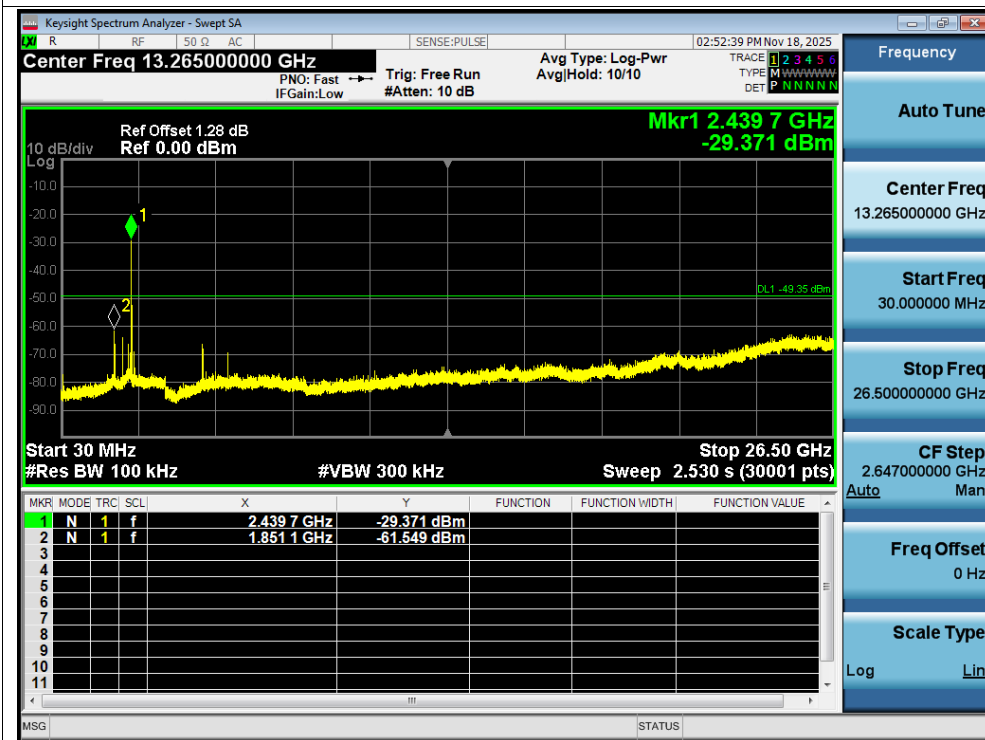
Tx. Spurious NVNT BLE 1M 2402MHz Ant4 Emission



Tx. Spurious NVNT BLE 1M 2440MHz Ant4 Ref



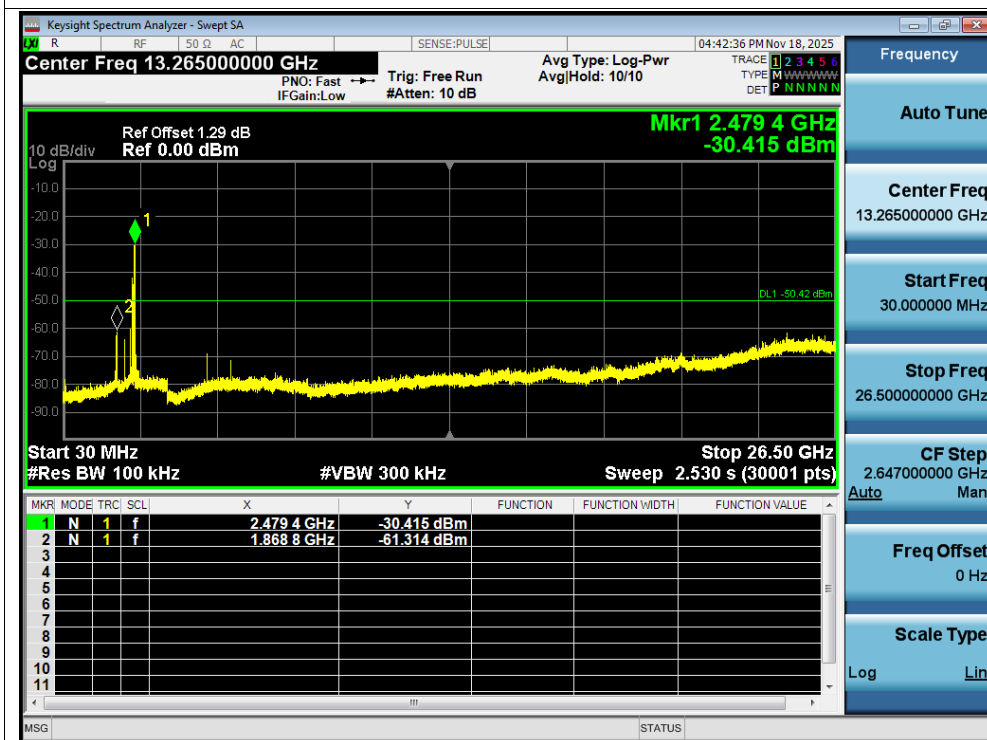
Tx. Spurious NVNT BLE 1M 2440MHz Ant4 Emission



Tx. Spurious NVNT BLE 1M 2480MHz Ant4 Ref



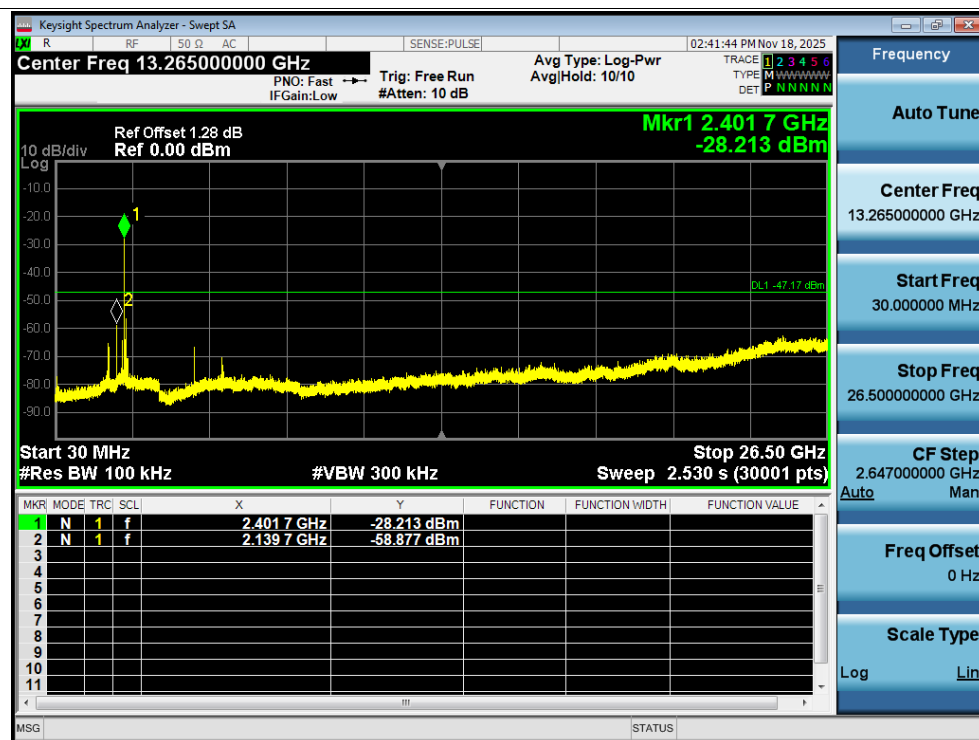
Tx. Spurious NVNT BLE 1M 2480MHz Ant4 Emission



Tx. Spurious NVNT BLE 2M 2402MHz Ant4 Ref



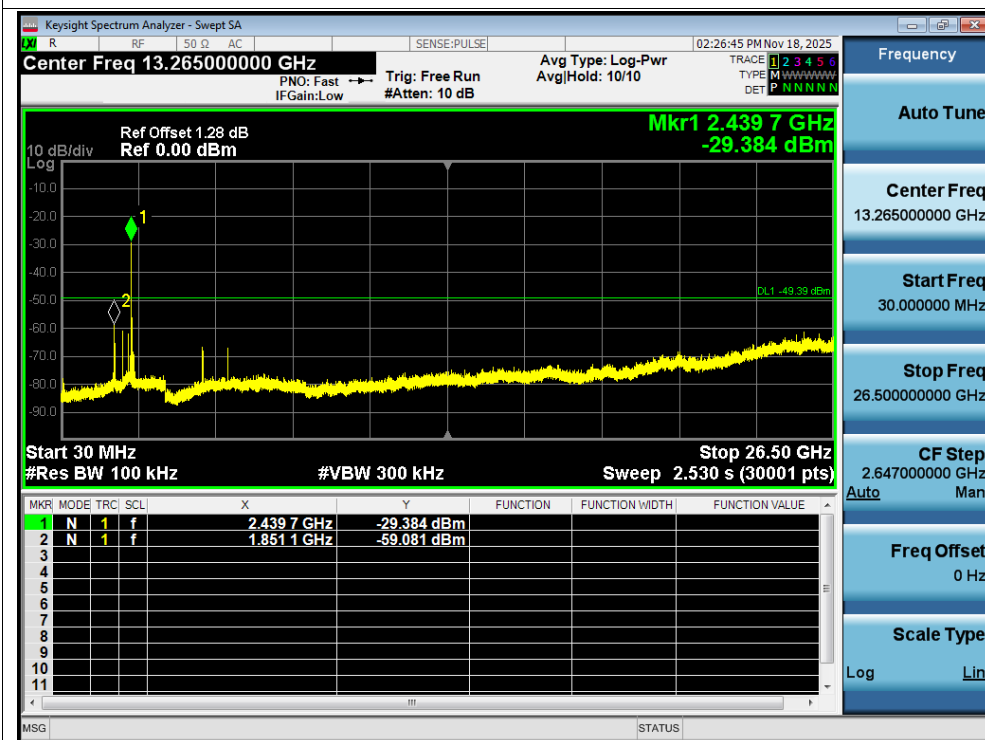
Tx. Spurious NVNT BLE 2M 2402MHz Ant4 Emission



Tx. Spurious NVNT BLE 2M 2440MHz Ant4 Ref



Tx. Spurious NVNT BLE 2M 2440MHz Ant4 Emission



Tx. Spurious NVNT BLE 2M 2480MHz Ant4 Ref



Tx. Spurious NVNT BLE 2M 2480MHz Ant4 Emission

