

FCC ID :2BCR5-NEONEXTREME

RF Test Data

Duty Cycle 2

Maximum Peak Conducted Output Power 5

-6dB Bandwidth 8

Occupied Channel Bandwidth 11

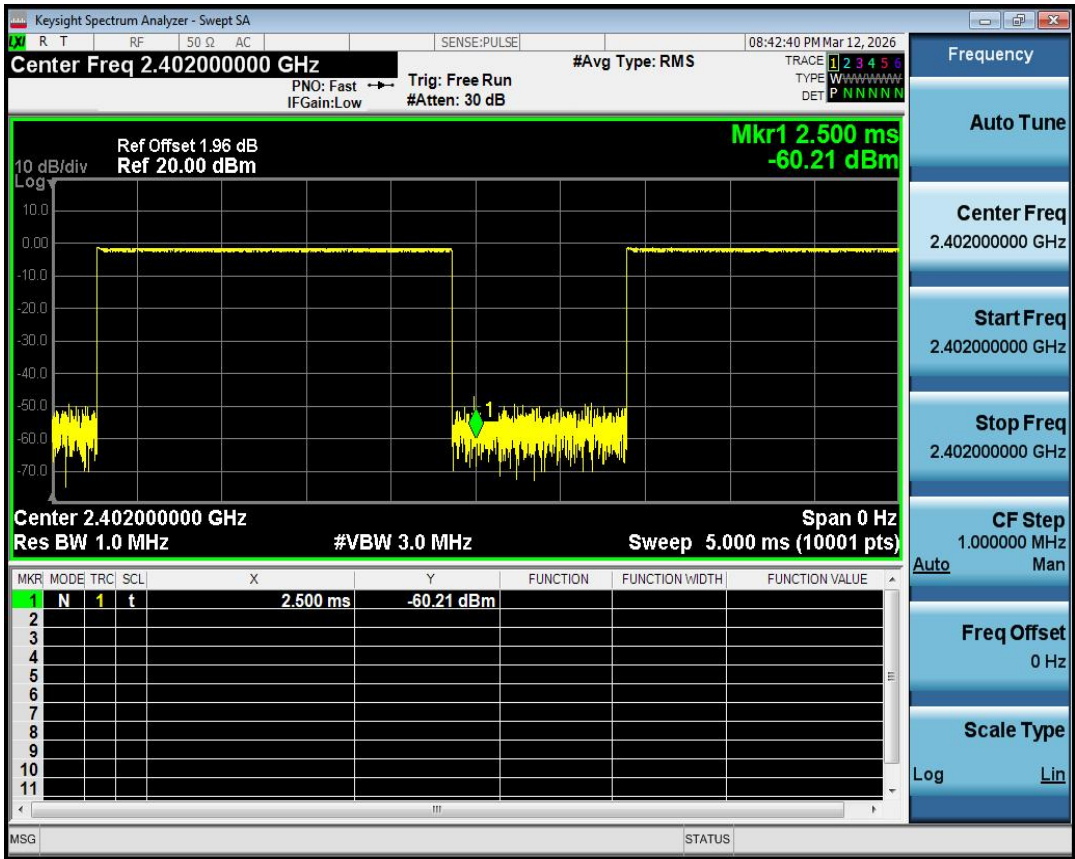
Maximum Power Spectral Density Level 14

Band Edge 17

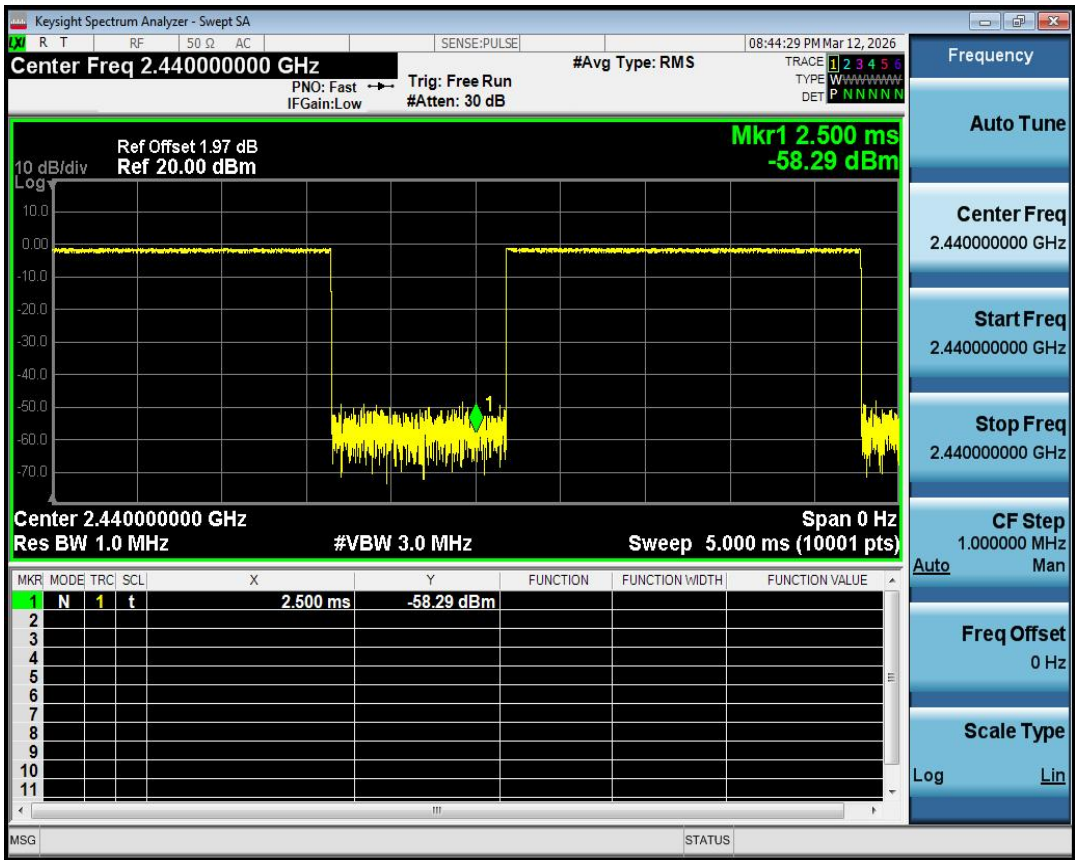
Conducted RF Spurious Emission 20

Duty Cycle

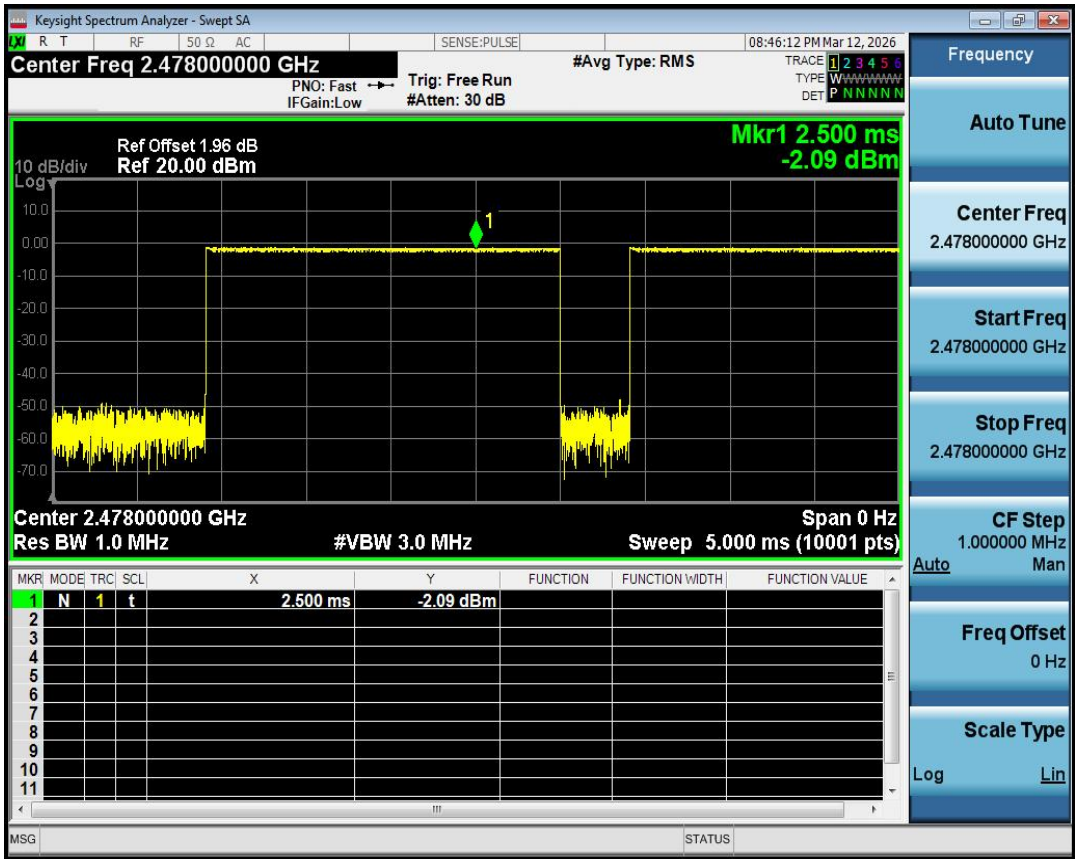
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	2.4GHz	2402	Ant1	74.05	1.3	0
NVNT	2.4GHz	2440	Ant1	74.77	1.26	0
NVNT	2.4GHz	2478	Ant1	73.77	1.32	0



Duty Cycle NVNT 2.4GHz 2402MHz Ant1



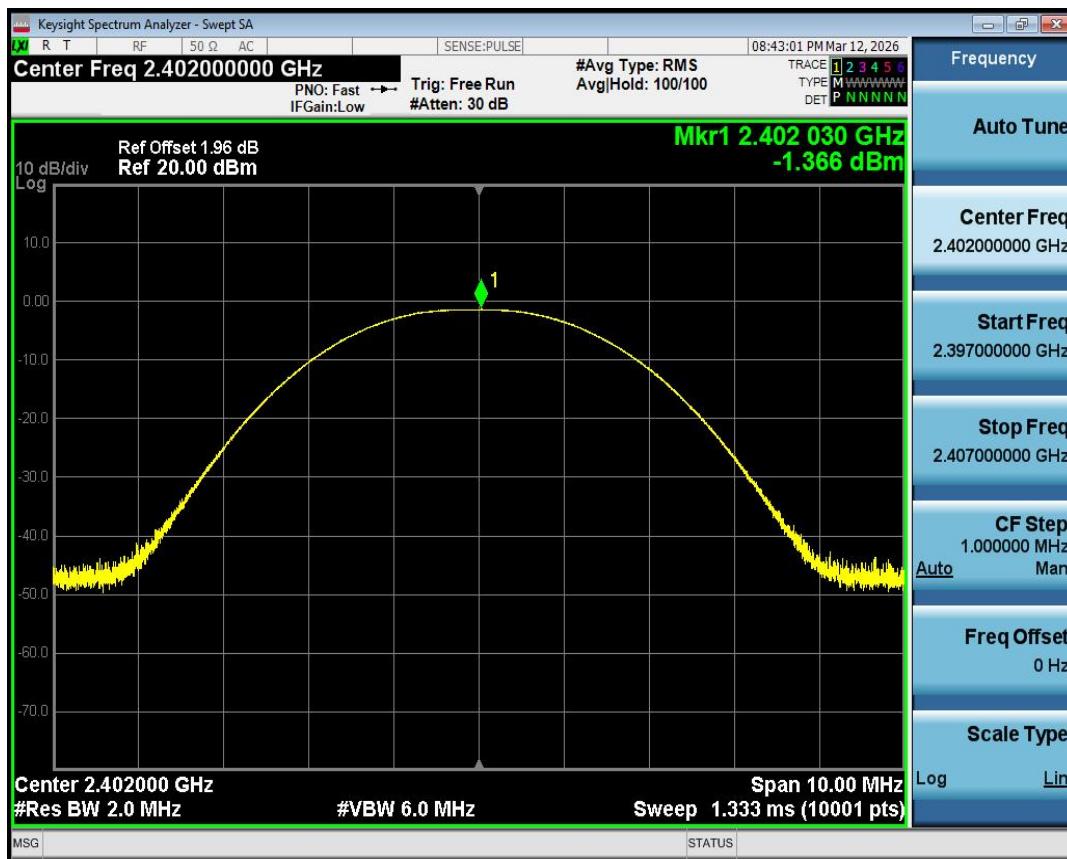
Duty Cycle NVNT 2.4GHz 2440MHz Ant1



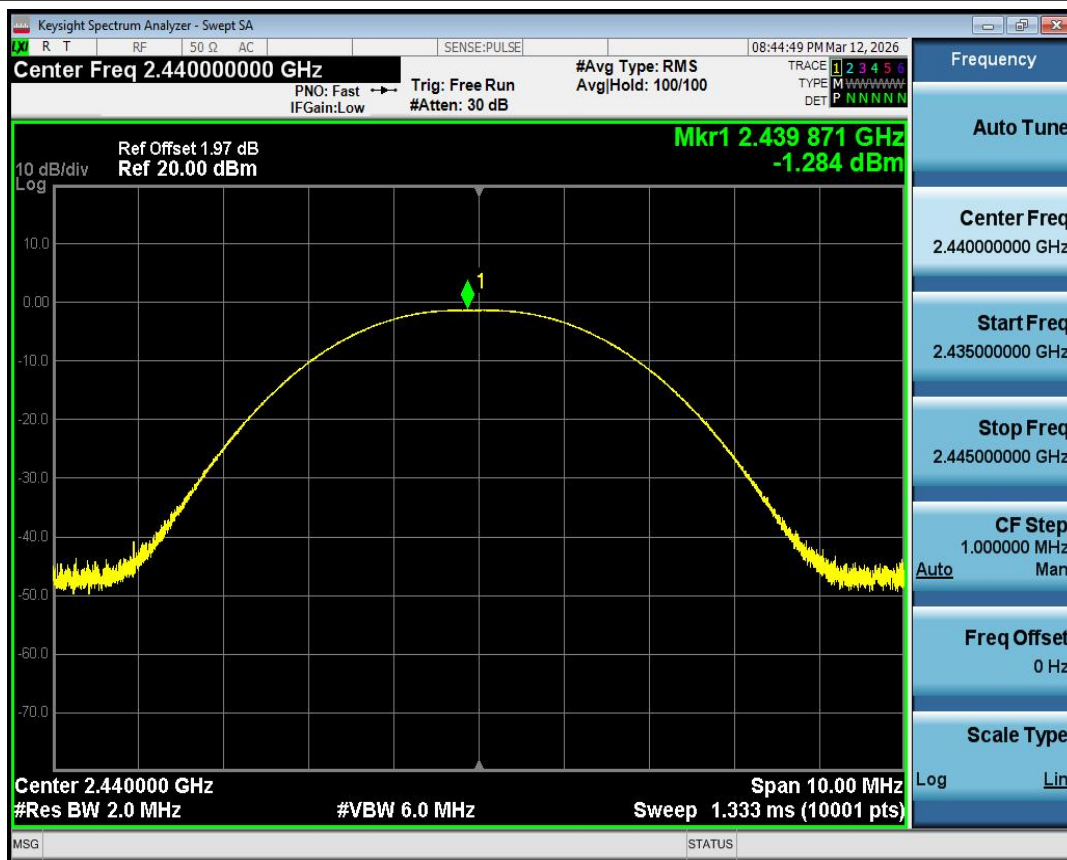
Duty Cycle NVNT 2.4GHz 2478MHz Ant1

Maximum Peak Conducted Output Power

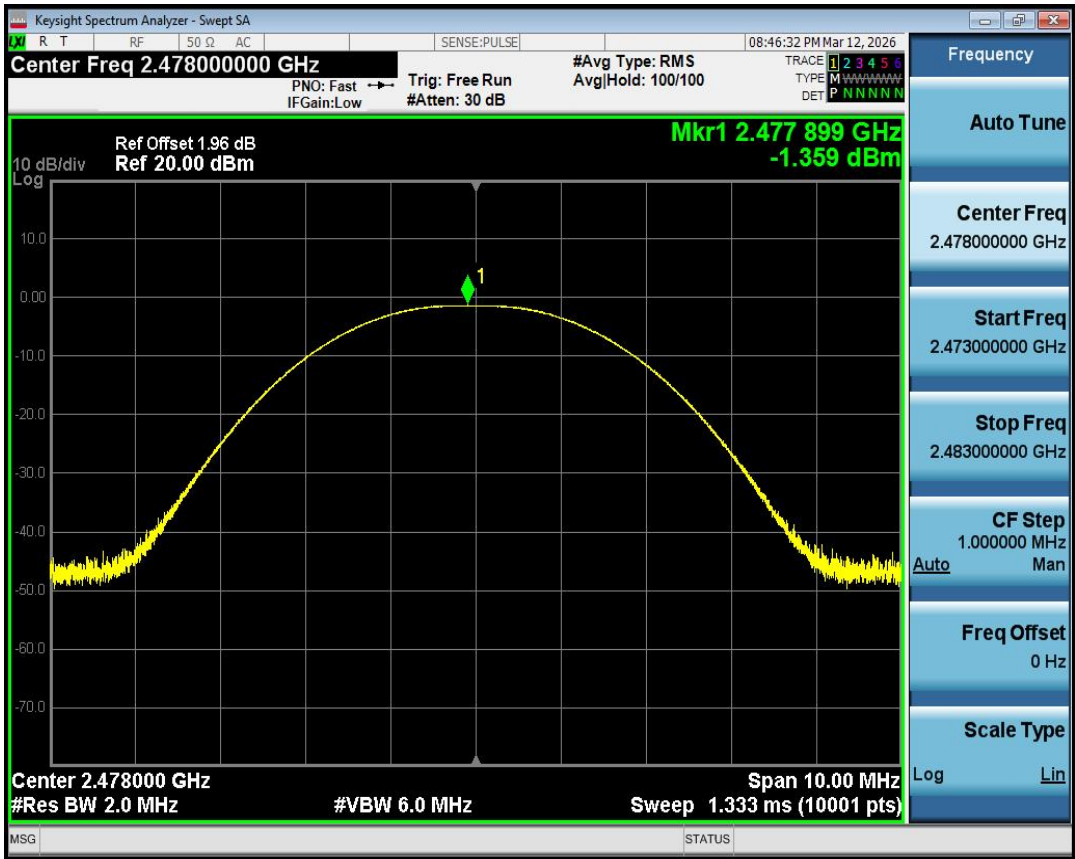
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Total Conducted Power (W)	Limit Conducted(dBm)	Verdict
NVNT	2.4GHz	2402	Ant1	-1.37	0	-1.37	0.00073	30	Pass
NVNT	2.4GHz	2440	Ant1	-1.28	0	-1.28	0.00074	30	Pass
NVNT	2.4GHz	2478	Ant1	-1.36	0	-1.36	0.00073	30	Pass



Peak Power NVNT 2.4GHz 2402MHz Ant1



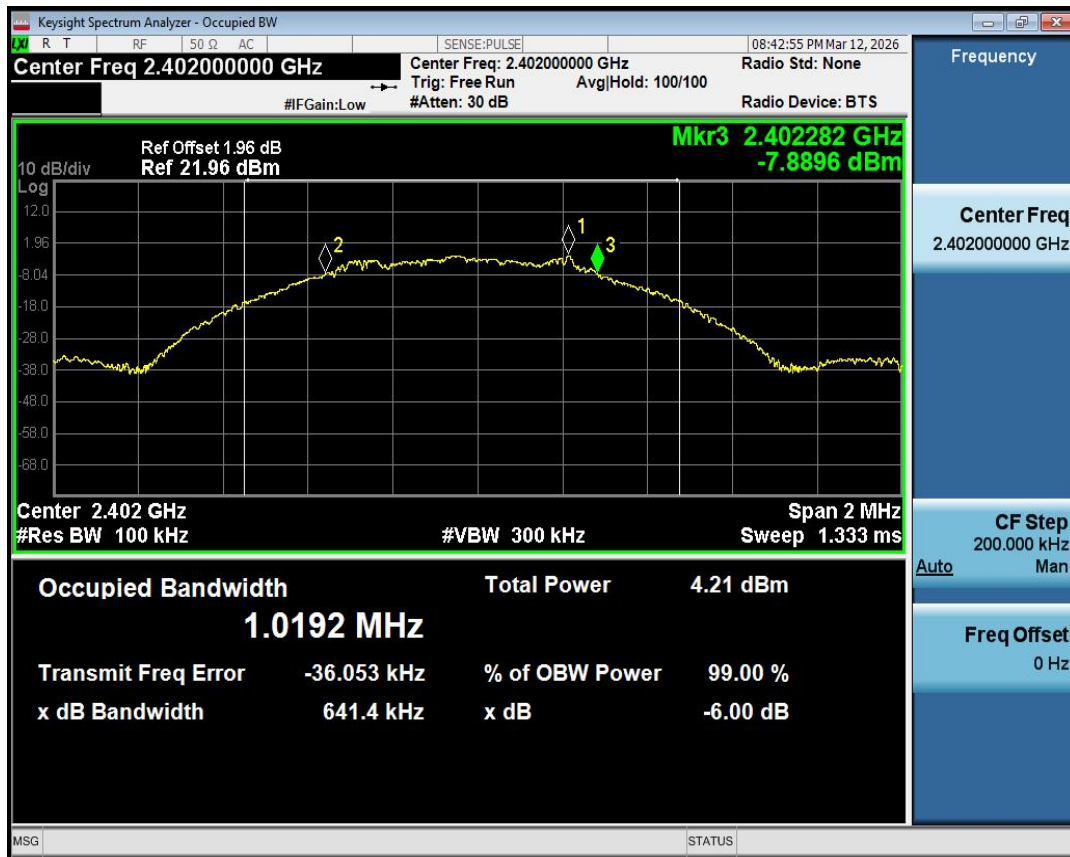
Peak Power NVNT 2.4GHz 2440MHz Ant1



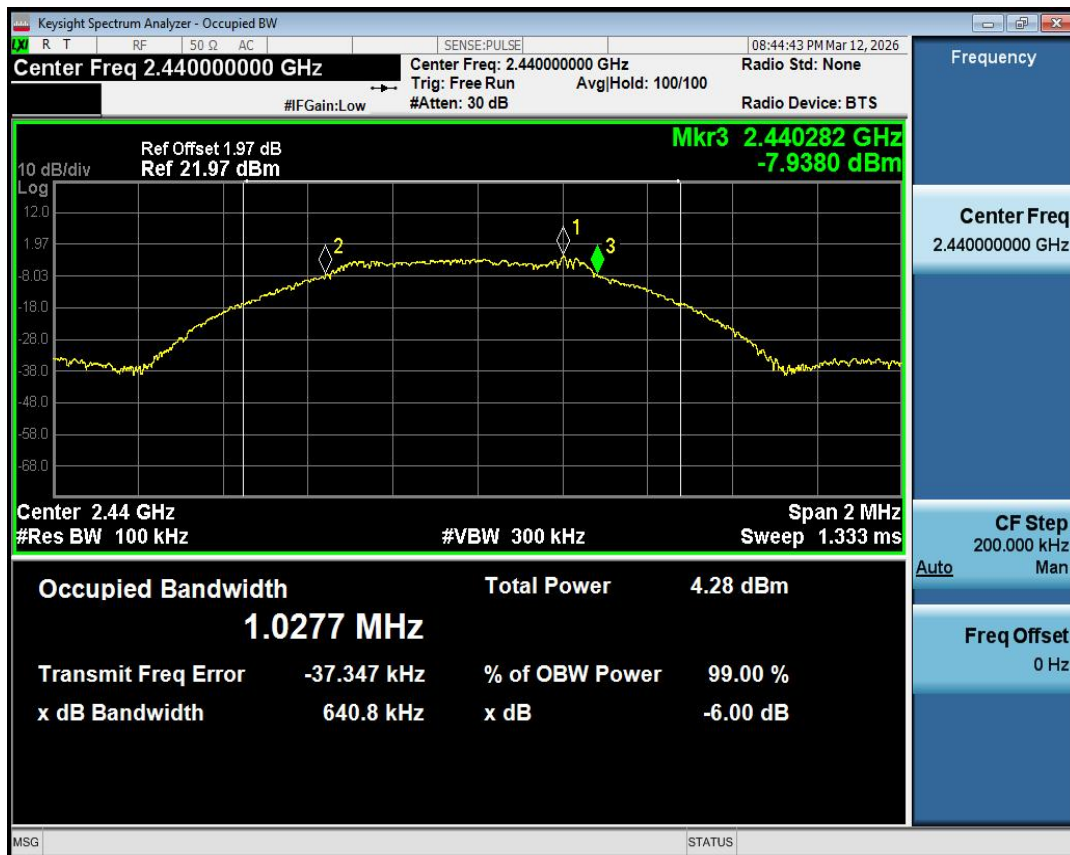
Peak Power NVNT 2.4GHz 2478MHz Ant1

-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	2.4GHz	2402	Ant1	0.6414	0.5	Pass
NVNT	2.4GHz	2440	Ant1	0.6408	0.5	Pass
NVNT	2.4GHz	2478	Ant1	0.6317	0.5	Pass



-6dB Bandwidth NVNT 2.4GHz 2402MHz Ant1



-6dB Bandwidth NVNT 2.4GHz 2440MHz Ant1



-6dB Bandwidth NVNT 2.4GHz 2478MHz Ant1

Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	2.4GHz	2402	Ant1	1.0209
NVNT	2.4GHz	2440	Ant1	1.0147
NVNT	2.4GHz	2478	Ant1	1.022



OBW NVNT 2.4GHz 2402MHz Ant1



OBW NVNT 2.4GHz 2440MHz Ant1



OBW NVNT 2.4GHz 2478MHz Ant1

Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	2.4GHz	2402	Ant1	-16.79	0	-16.79	8	Pass
NVNT	2.4GHz	2440	Ant1	-16.69	0	-16.69	8	Pass
NVNT	2.4GHz	2478	Ant1	-16.81	0	-16.81	8	Pass



PSD NVNT 2.4GHz 2402MHz Ant1



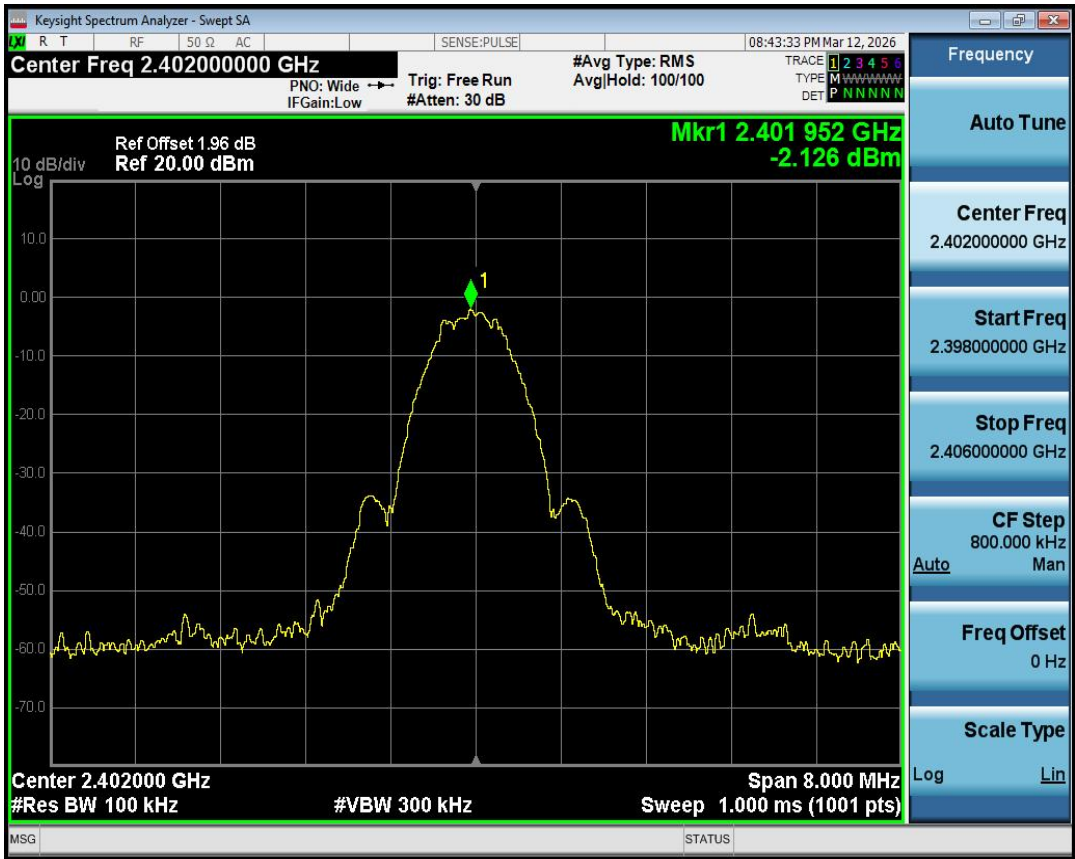
PSD NVNT 2.4GHz 2440MHz Ant1



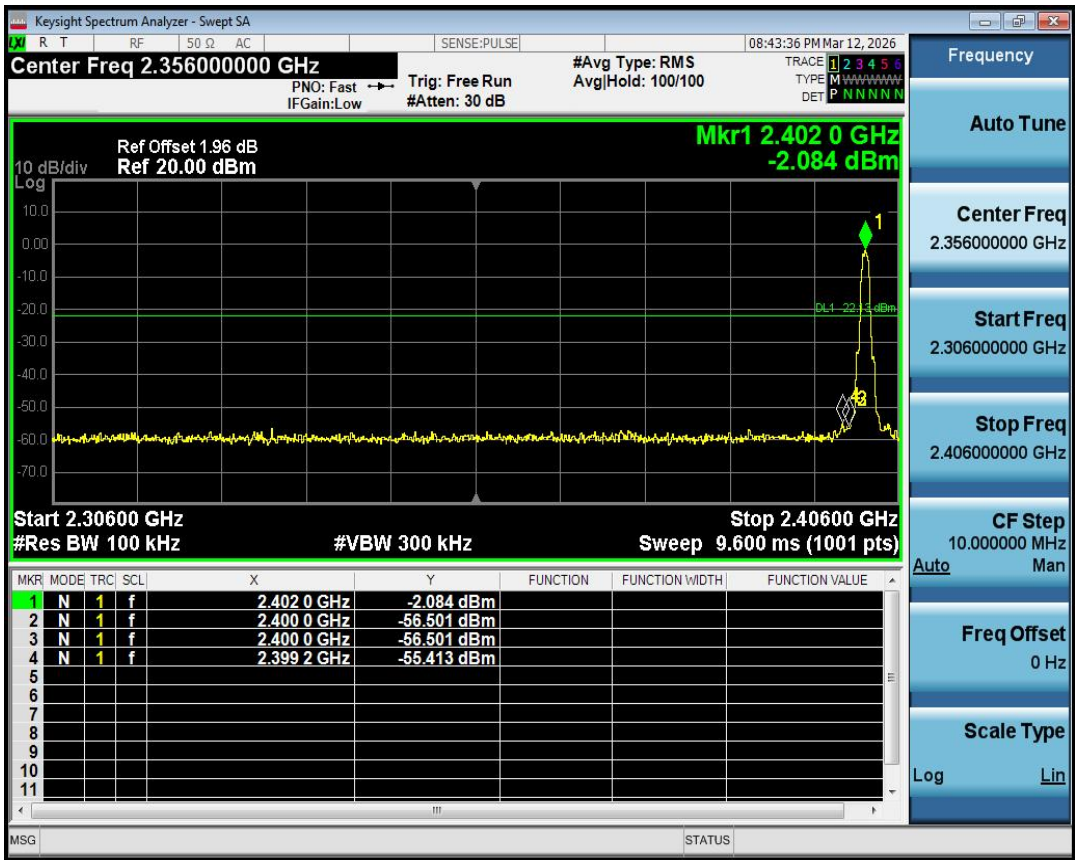
PSD NVNT 2.4GHz 2478MHz Ant1

Band Edge

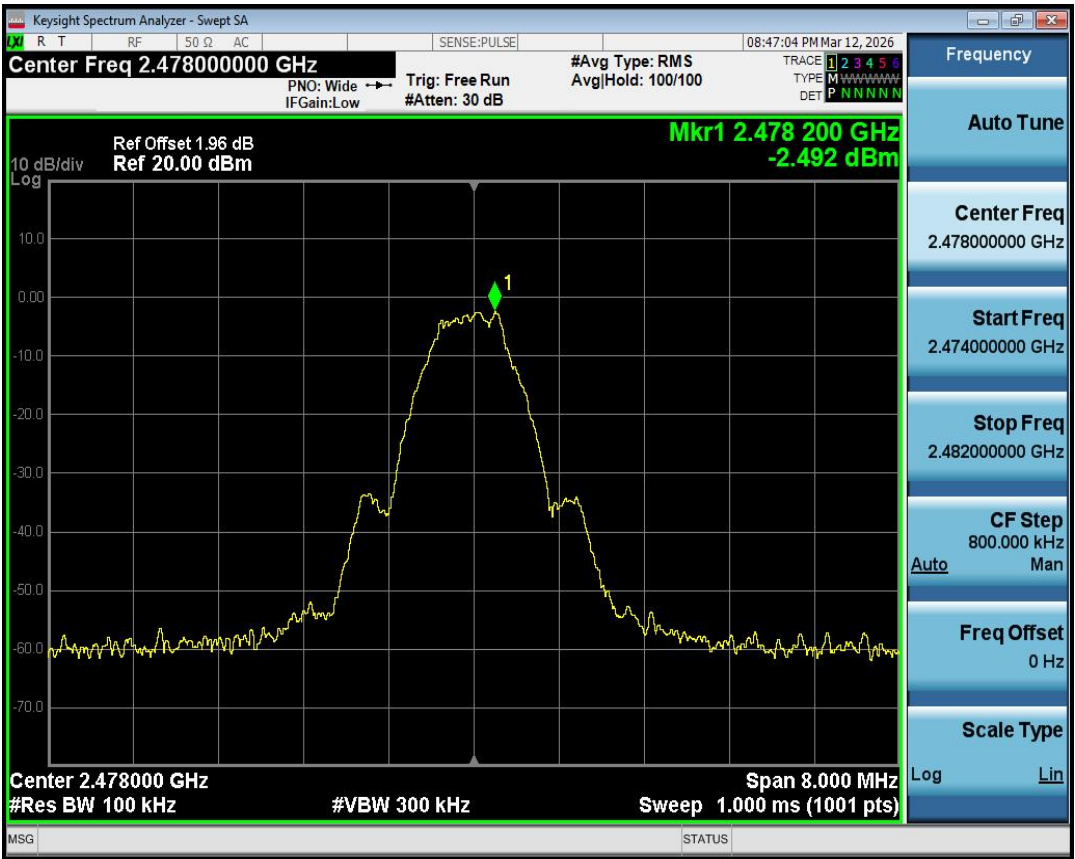
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	2.4GHz	2402	Ant1	-53.28	-20	Pass
NVNT	2.4GHz	2478	Ant1	-54.24	-20	Pass



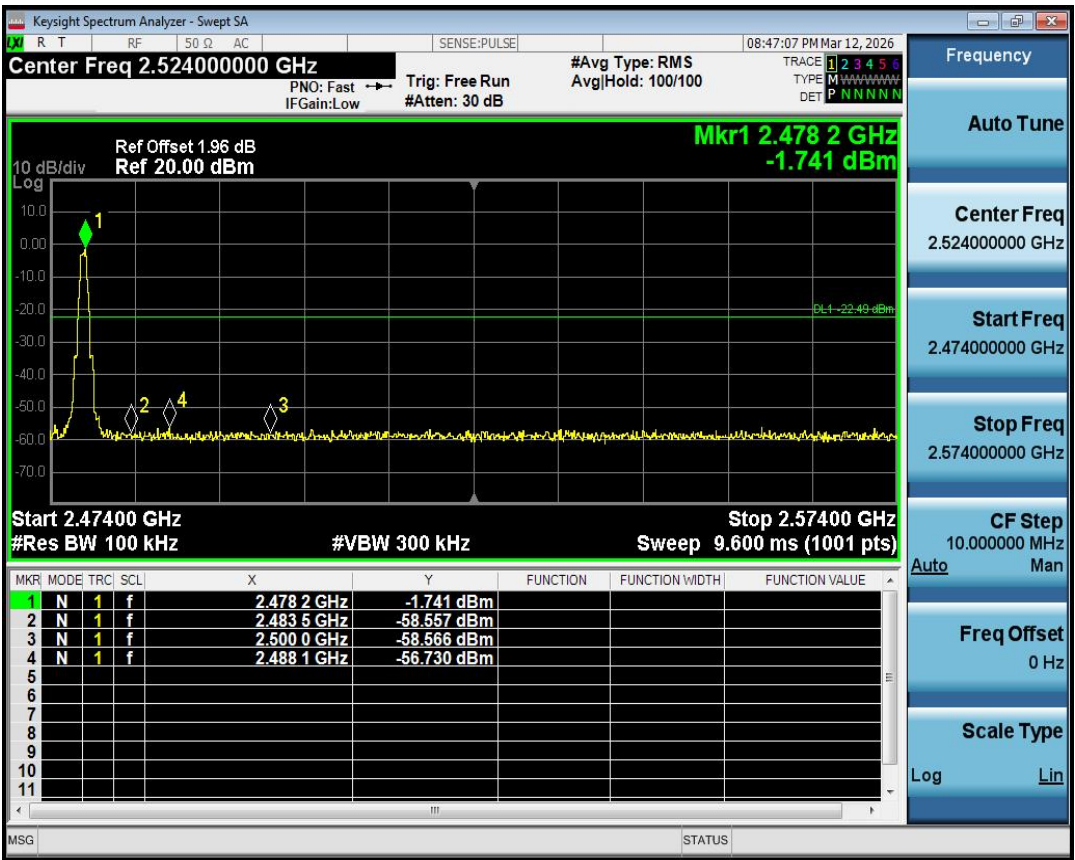
Band Edge NVNT 2.4GHz 2402MHz Ant1 Ref



Band Edge NVNT 2.4GHz 2402MHz Ant1 Emission



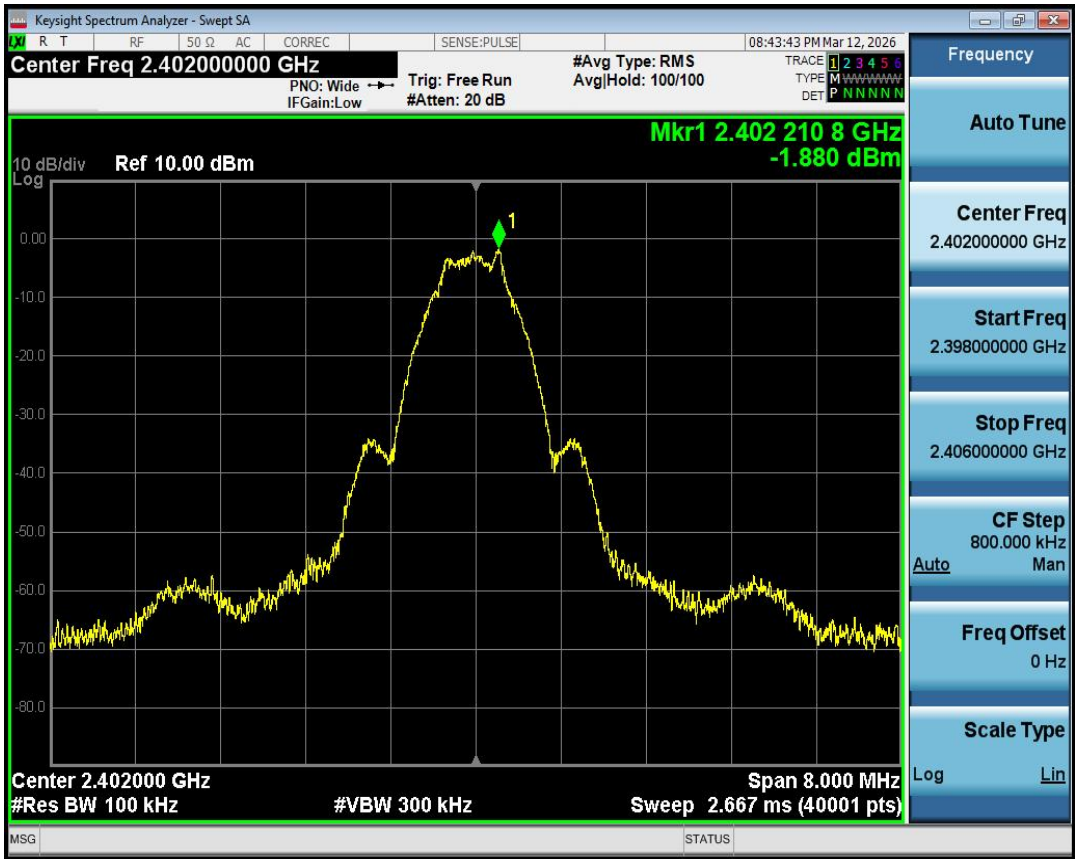
Band Edge NVNT 2.4GHz 2478MHz Ant1 Ref



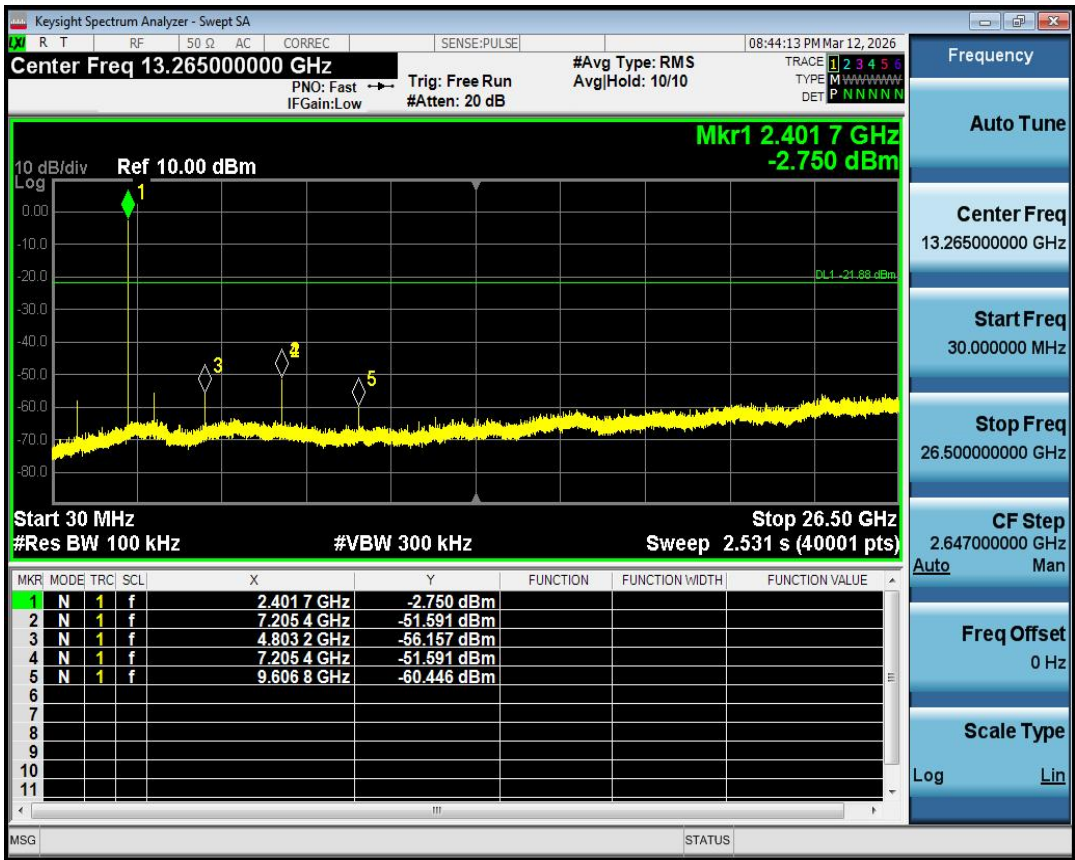
Band Edge NVNT 2.4GHz 2478MHz Ant1 Emission

Conducted RF Spurious Emission

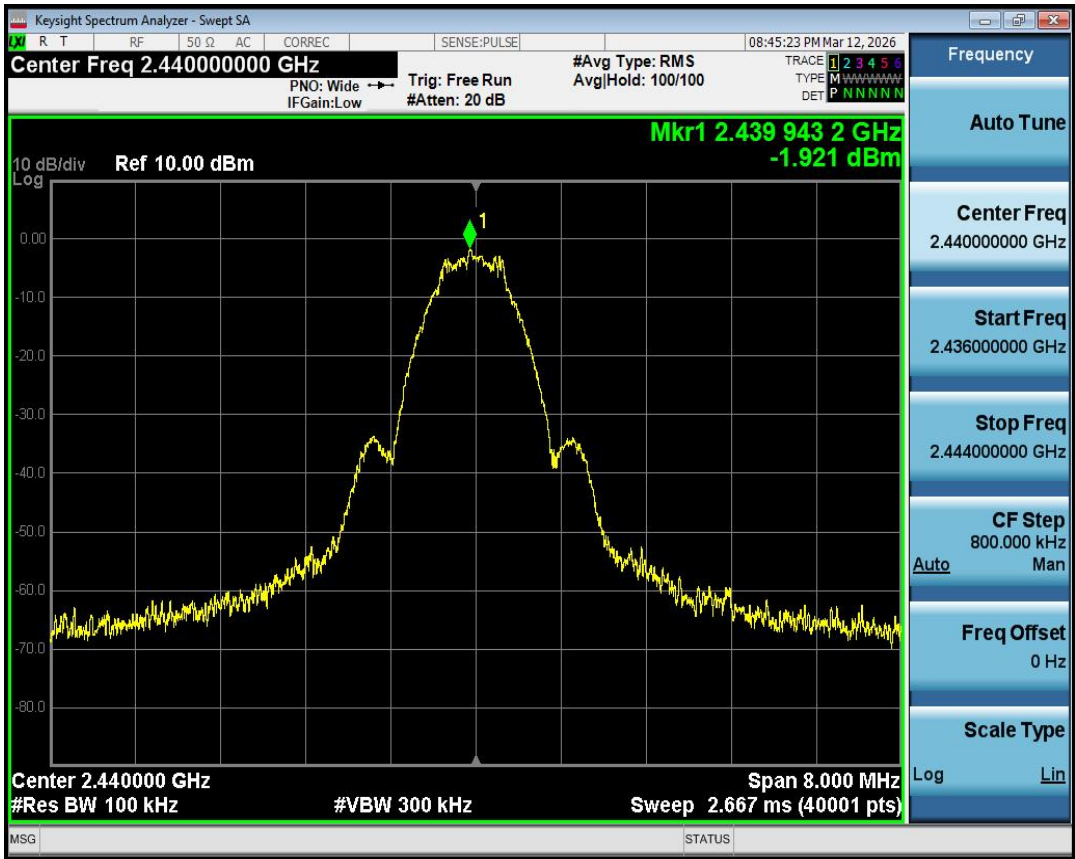
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	2.4GHz	2402	Ant1	-49.71	-20	Pass
NVNT	2.4GHz	2440	Ant1	-45.39	-20	Pass
NVNT	2.4GHz	2478	Ant1	-43.46	-20	Pass



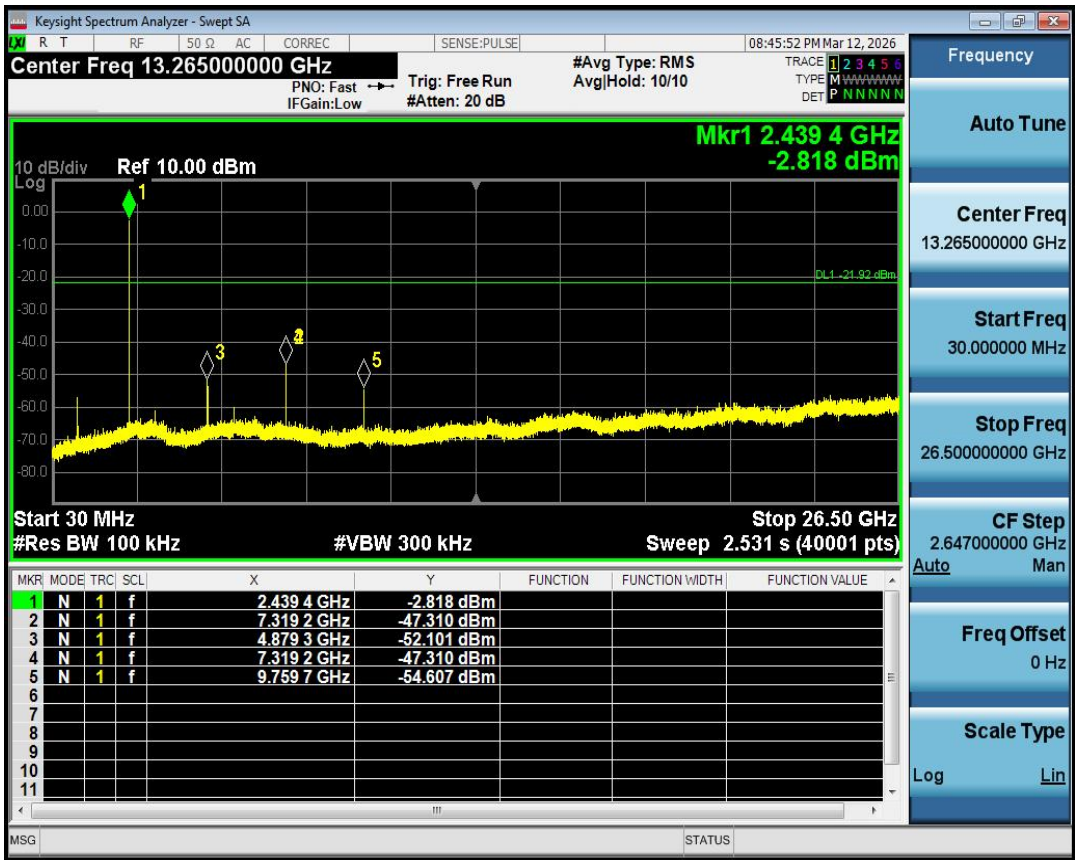
Tx. Spurious NVNT 2.4GHz 2402MHz Ant1 Ref



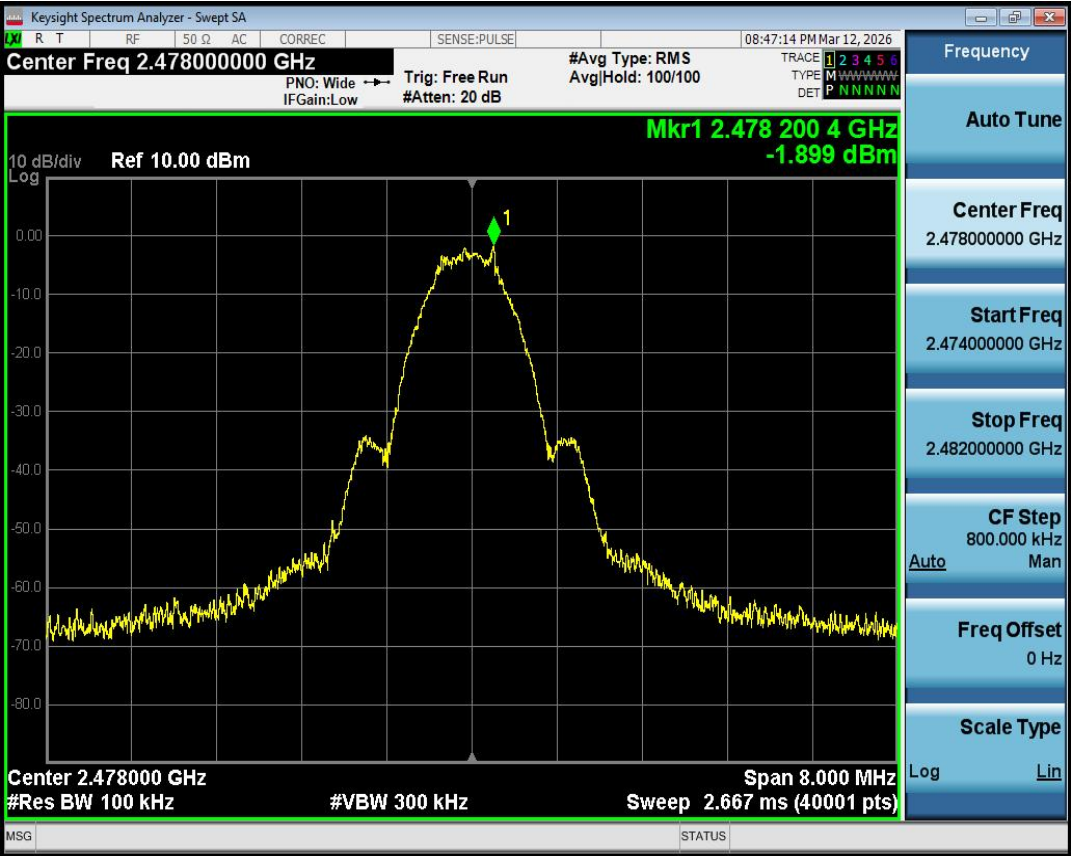
Tx. Spurious NVNT 2.4GHz 2402MHz Ant1 Emission



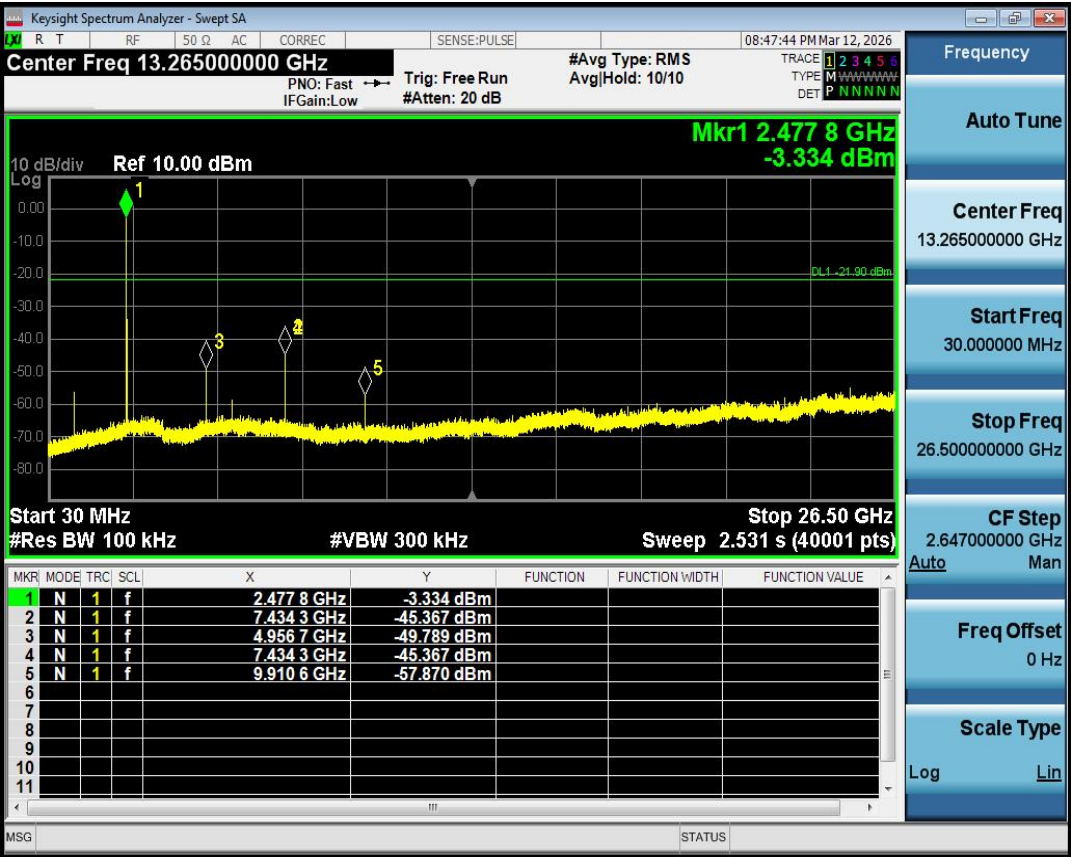
Tx. Spurious NVNT 2.4GHz 2440MHz Ant1 Ref



Tx. Spurious NVNT 2.4GHz 2440MHz Ant1 Emission



Tx. Spurious NVNT 2.4GHz 2478MHz Ant1 Ref



Tx. Spurious NVNT 2.4GHz 2478MHz Ant1 Emission