

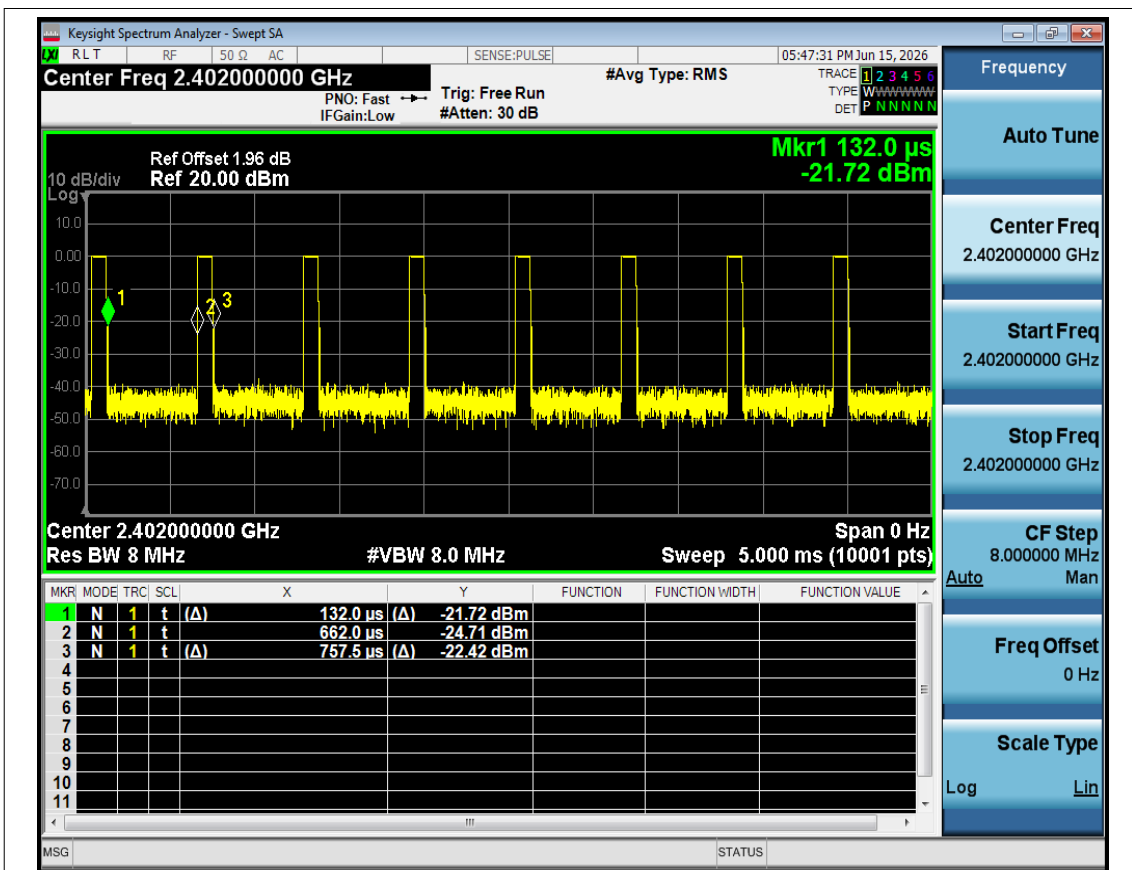
RF Test Data

FCC ID:2BXJAZYCL-HC-TY2028

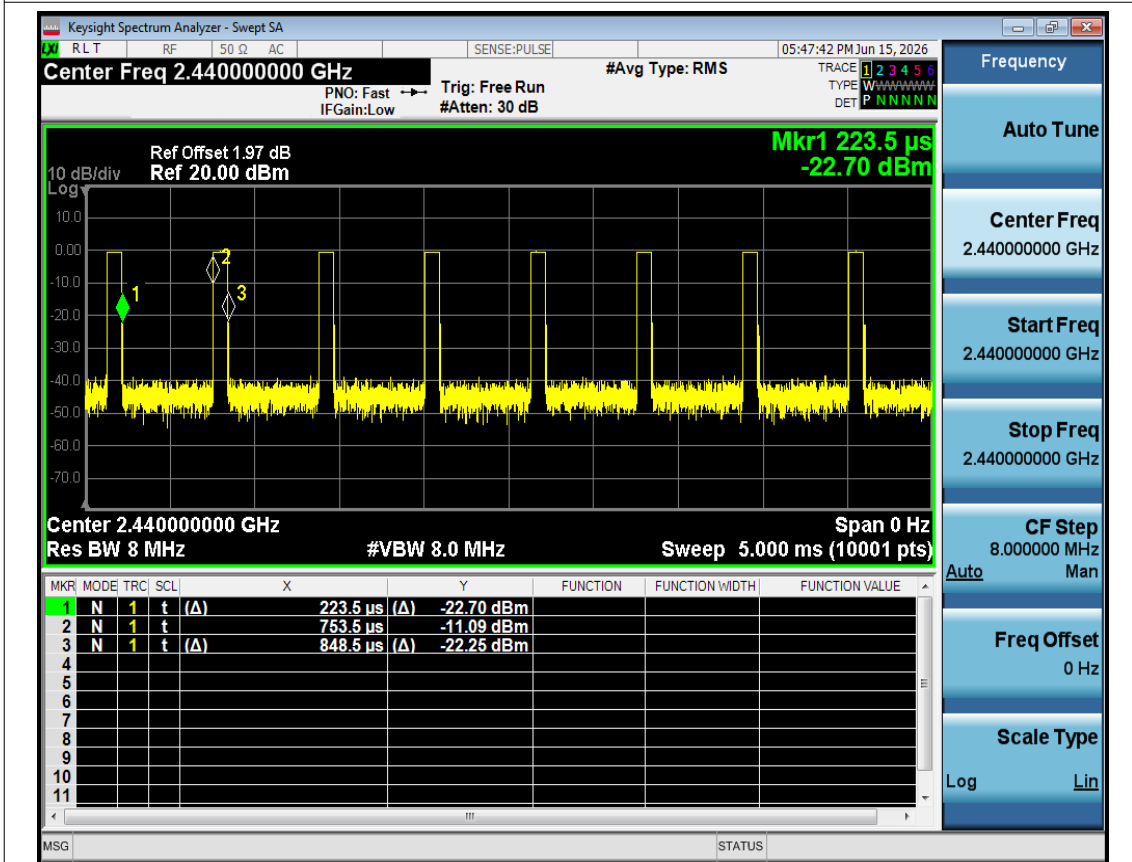
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Duty Cycle

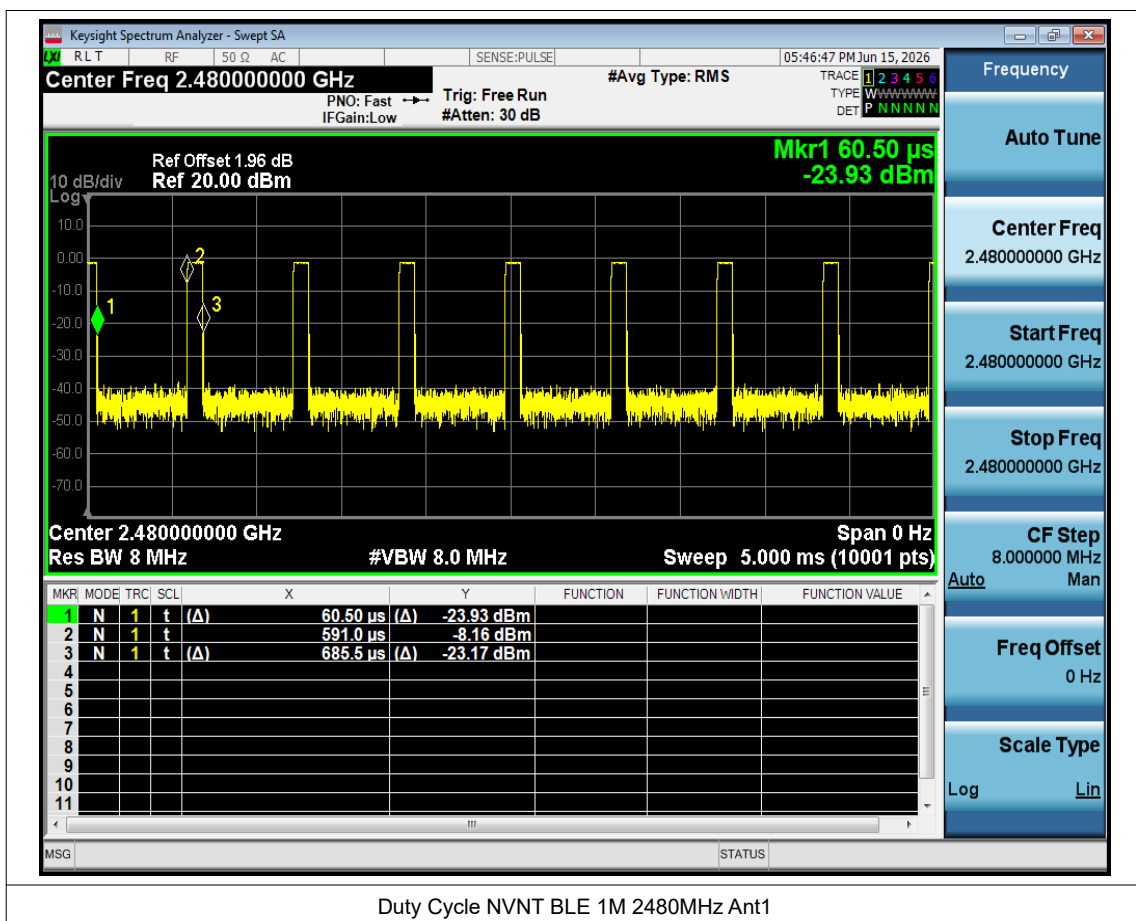
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	15.27	8.16	10.47
NVNT	BLE 1M	2440	Ant1	15.2	8.18	10.53
NVNT	BLE 1M	2480	Ant1	15.12	8.2	10.58



Duty Cycle NVNT BLE 1M 2402MHz Ant1

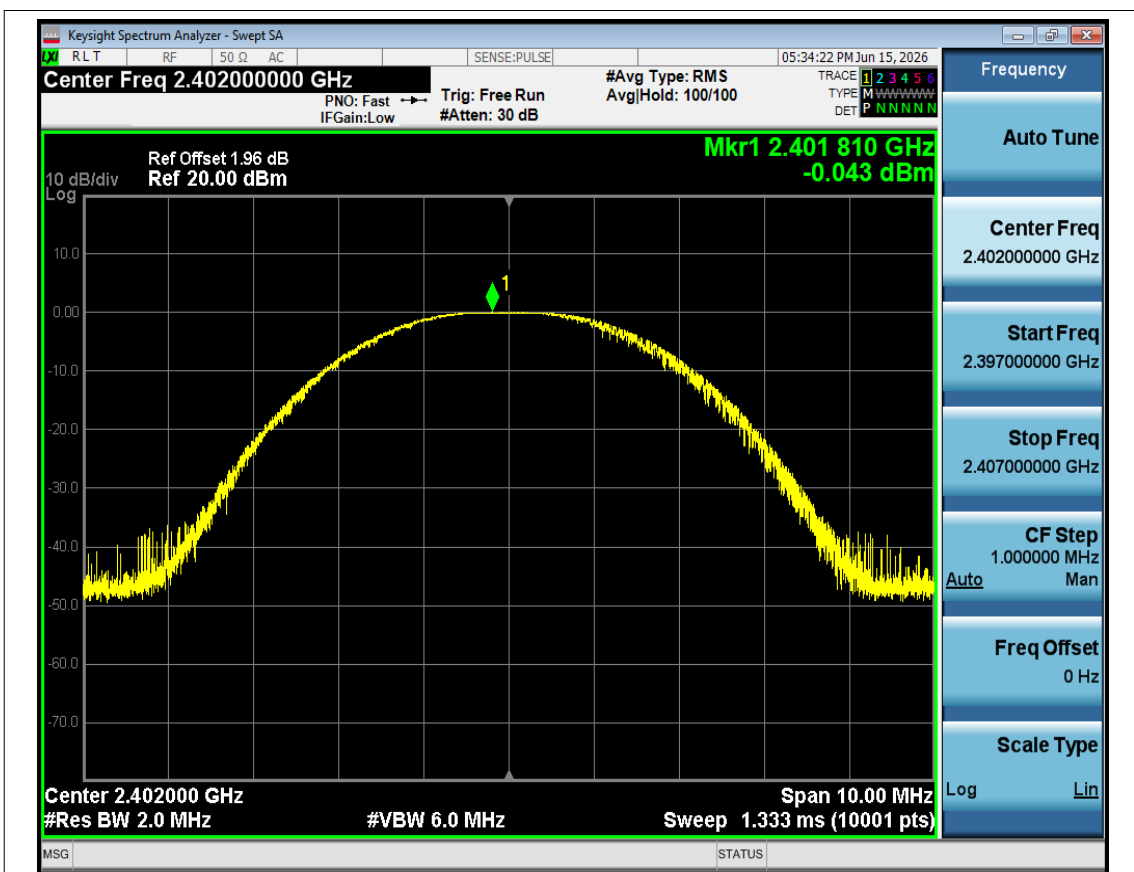


Duty Cycle NVNT BLE 1M 2440MHz Ant1

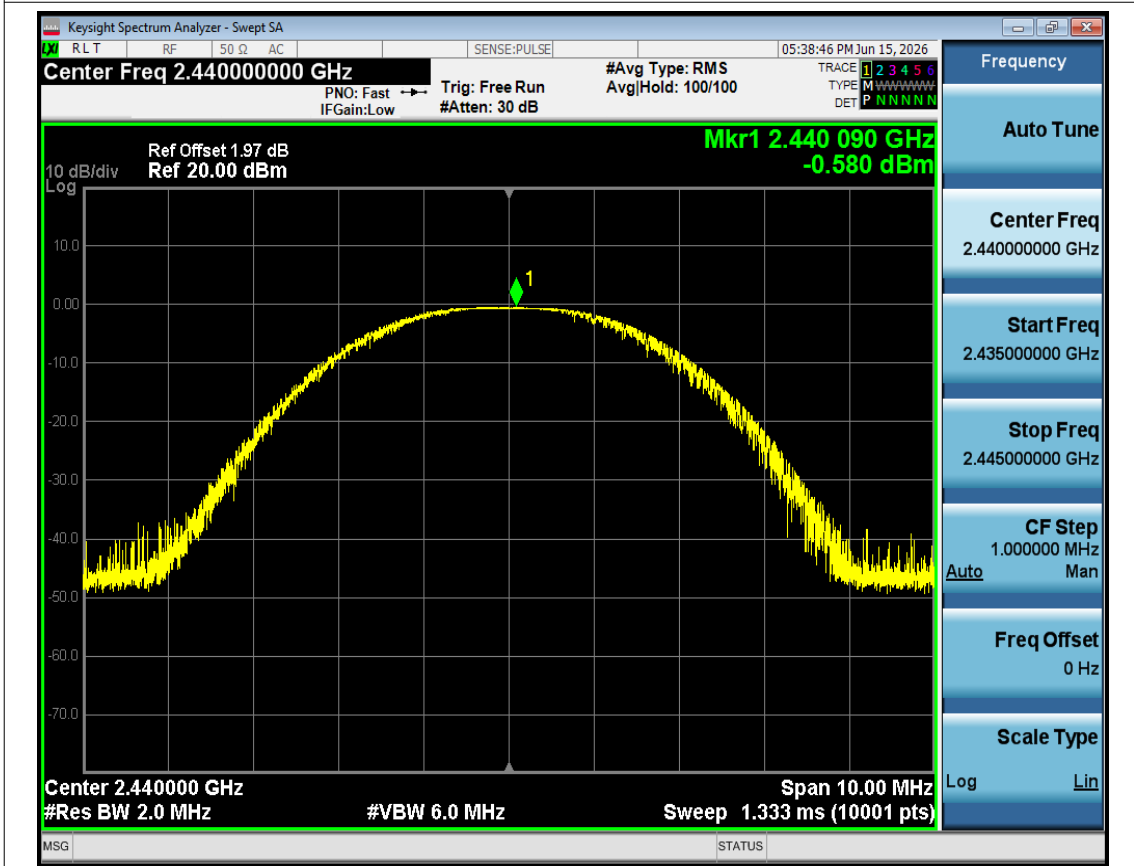


Maximum Peak Conducted Output Power

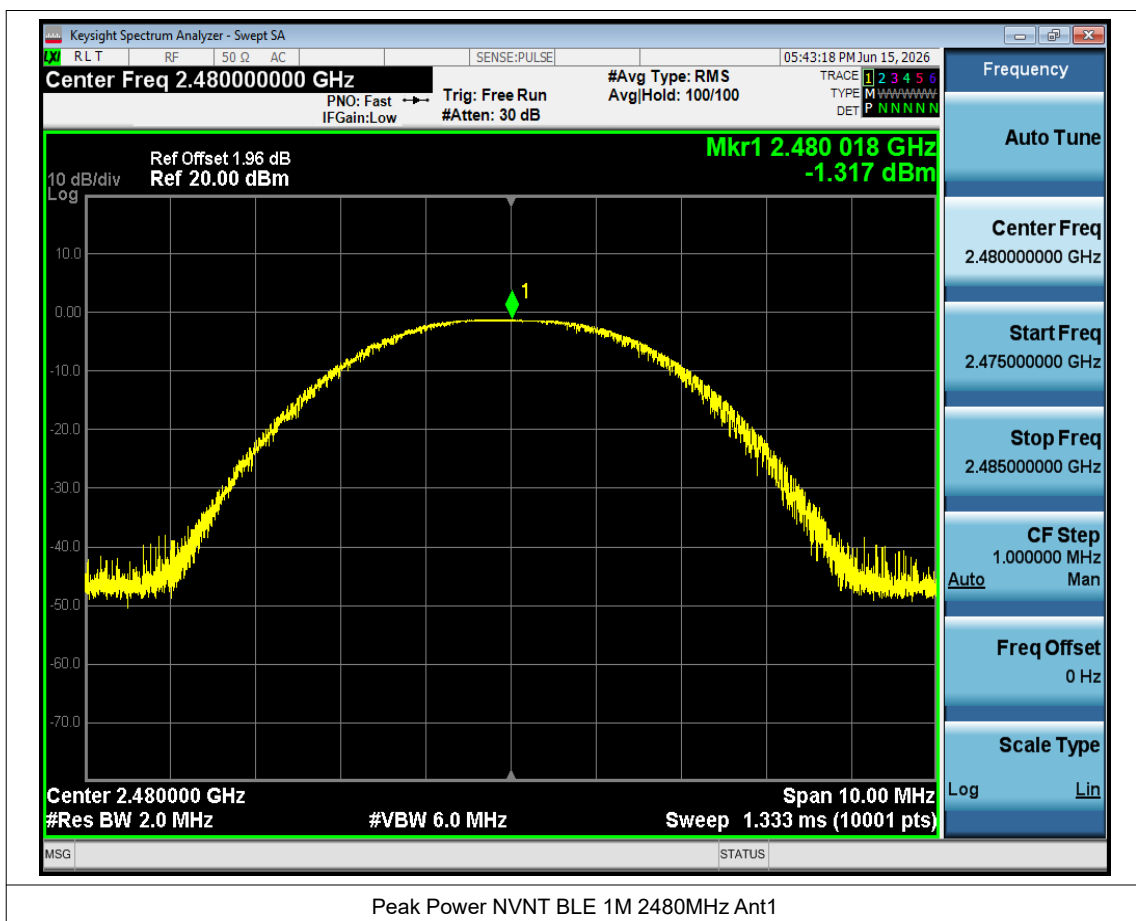
Condi on	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Conducted Power (W)	Limit Conducted(dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-0.04	0.00099	30	Pass
NVNT	BLE 1M	2440	Ant1	-0.58	0.00087	30	Pass
NVNT	BLE 1M	2480	Ant1	-1.32	0.00074	30	Pass



Peak Power NVNT BLE 1M 2402MHz Ant1



Peak Power NVNT BLE 1M 2440MHz Ant1



-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.5204	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.5297	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.5318	0.5	Pass



-6dB Bandwidth NVNT BLE 1M 2402MHz Ant1



-6dB Bandwidth NVNT BLE 1M 2440MHz Ant1



Occupied Channel Bandwidth

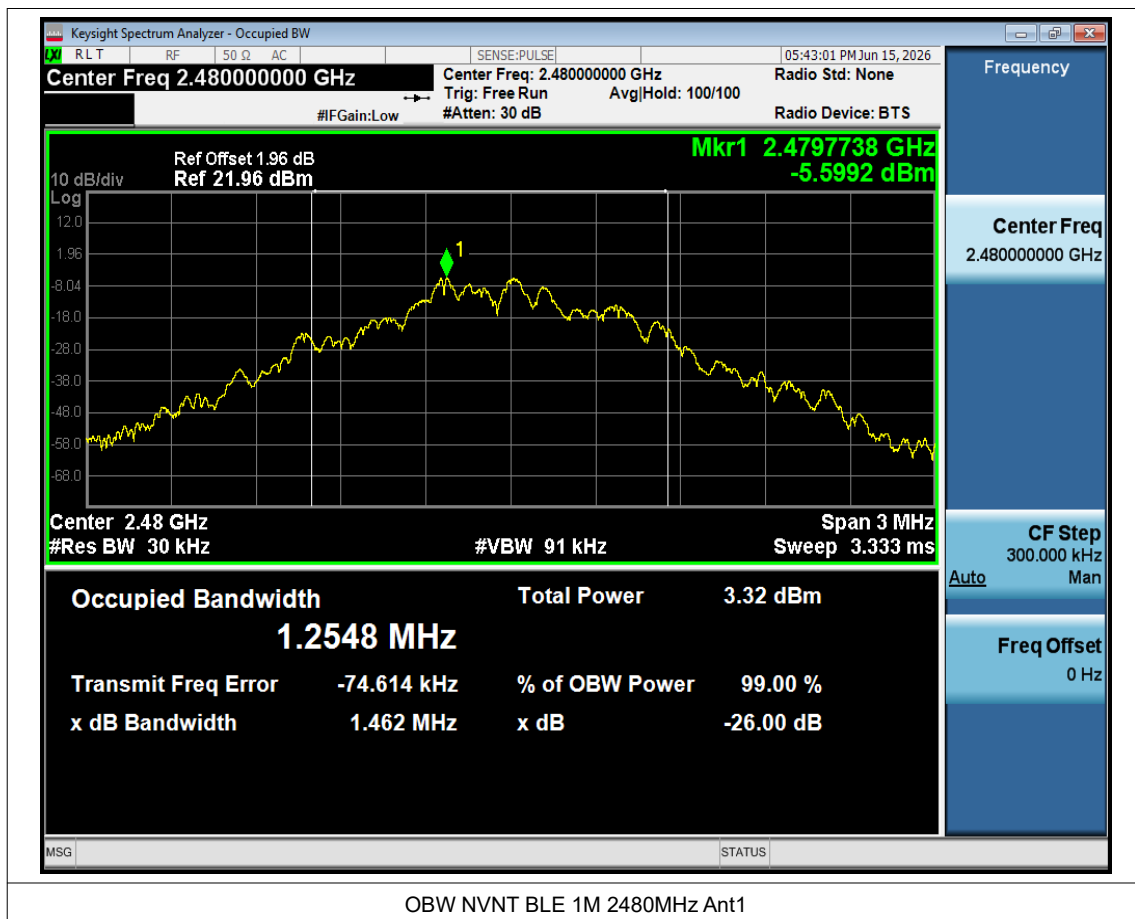
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.2191
NVNT	BLE 1M	2440	Ant1	1.2492
NVNT	BLE 1M	2480	Ant1	1.2548



OBW NVNT BLE 1M 2402MHz Ant1



OBW NVNT BLE 1M 2440MHz Ant1



Maximum Power Spectral Density Level

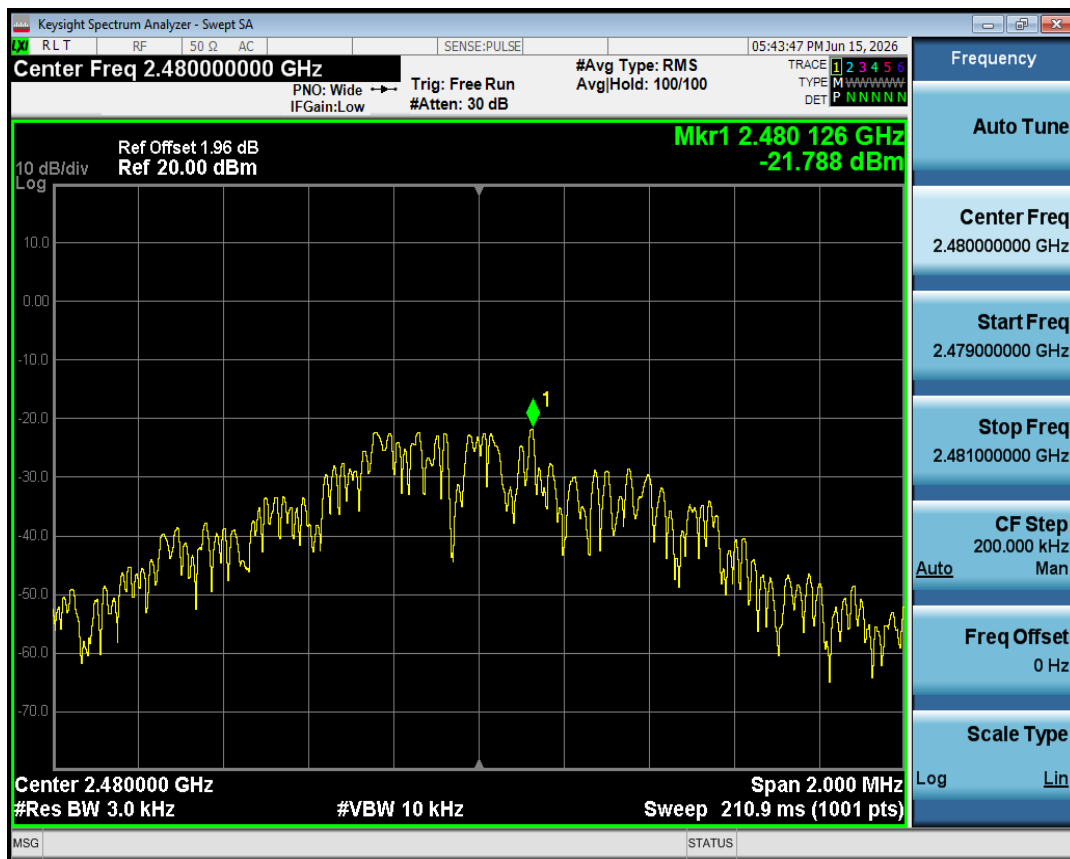
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-20.04	8	Pass
NVNT	BLE 1M	2440	Ant1	-20.84	8	Pass
NVNT	BLE 1M	2480	Ant1	-21.79	8	Pass
NVNT	BLE 1M	2402	Ant1	-20.04	8	Pass
NVNT	BLE 1M	2440	Ant1	-20.84	8	Pass
NVNT	BLE 1M	2480	Ant1	-21.79	8	Pass



PSD NVNT BLE 1M 2402MHz Ant1



PSD NVNT BLE 1M 2440MHz Ant1



PSD NVNT BLE 1M 2480MHz Ant1



PSD NVNT BLE 1M 2402MHz Ant1



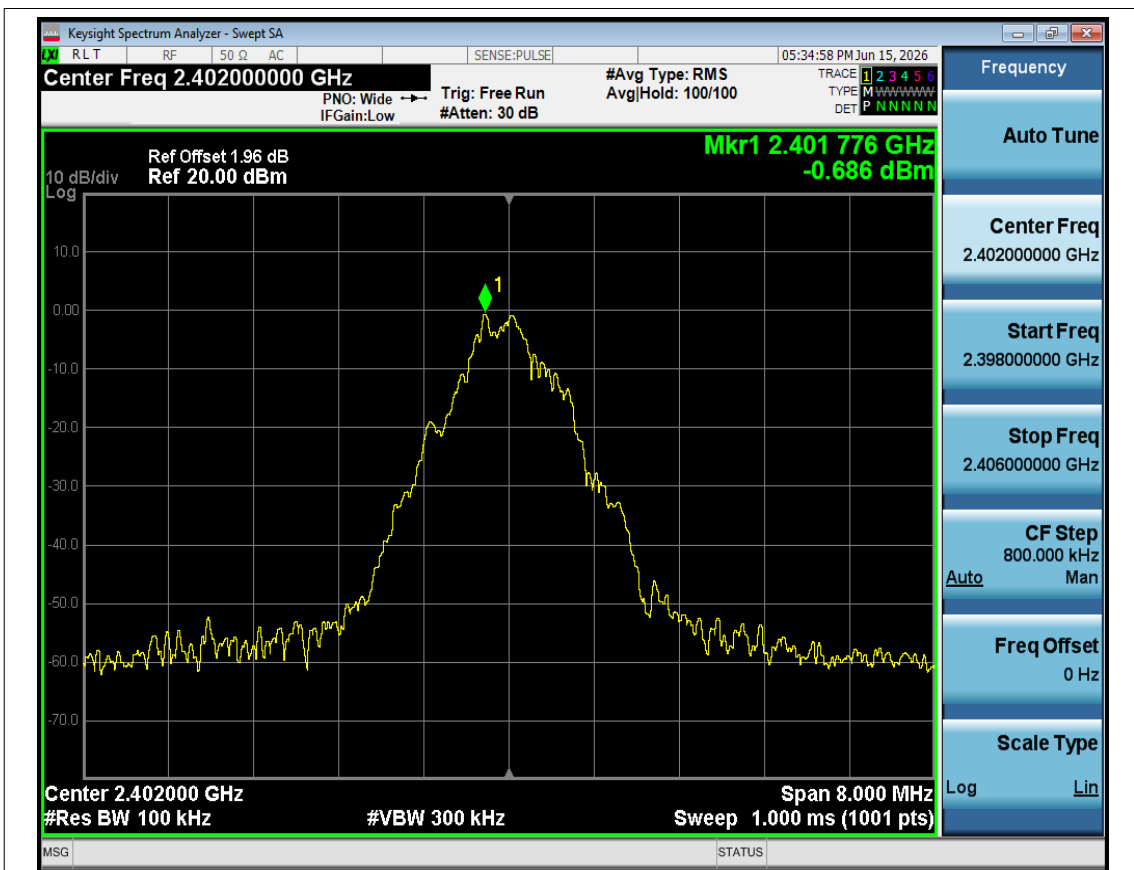
PSD NVNT BLE 1M 2440MHz Ant1



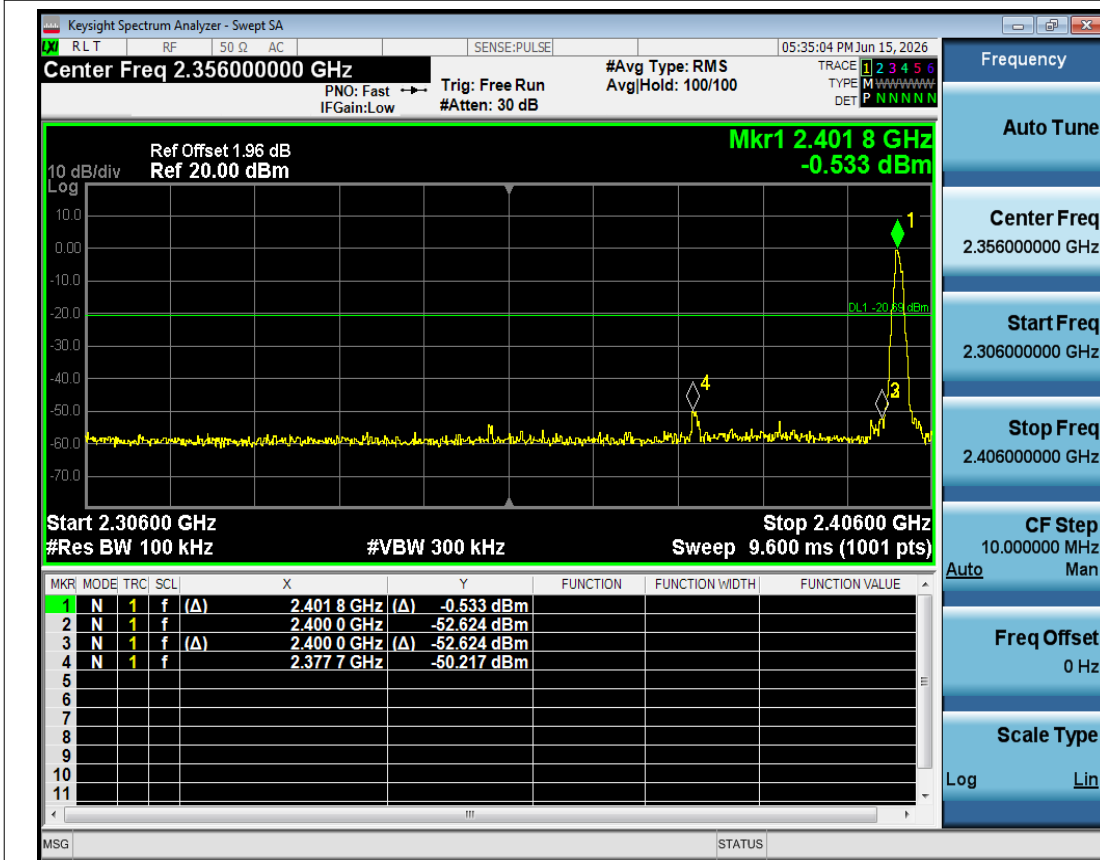
PSD NVNT BLE 1M 2480MHz Ant1

Band Edge

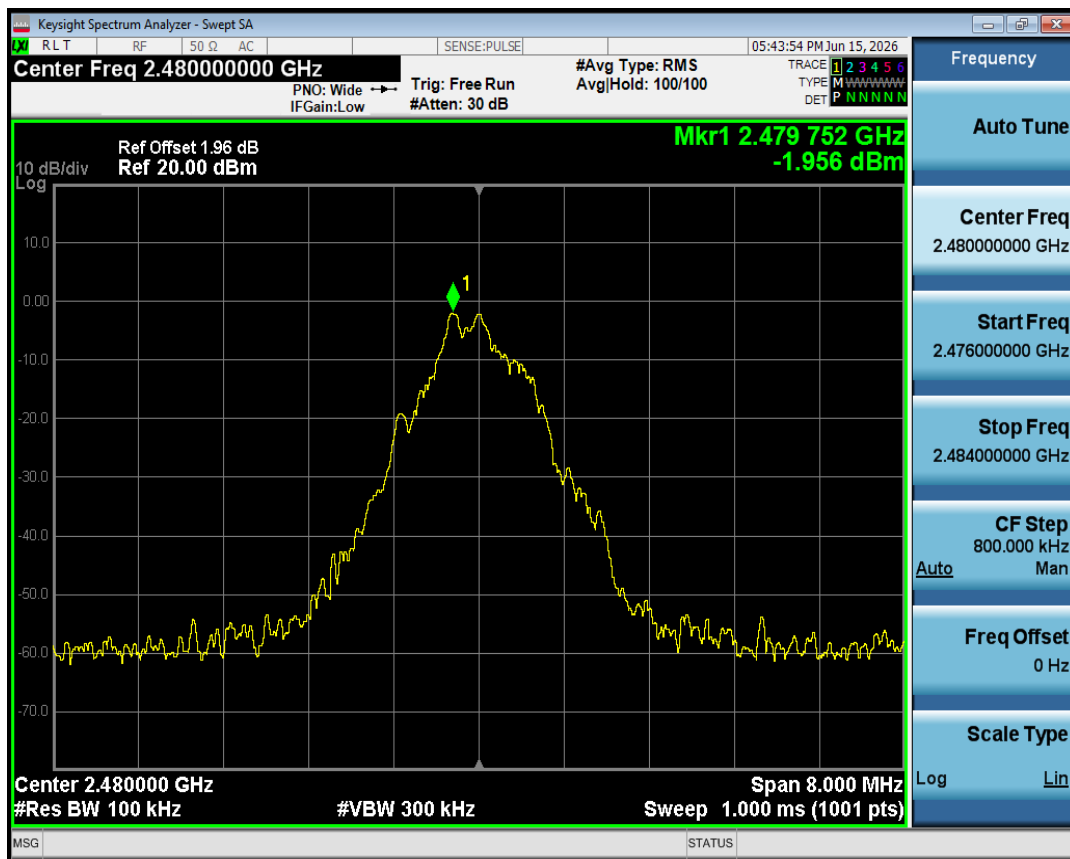
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-49.52	-20	Pass
NVNT	BLE 1M	2480	Ant1	-52.05	-20	Pass



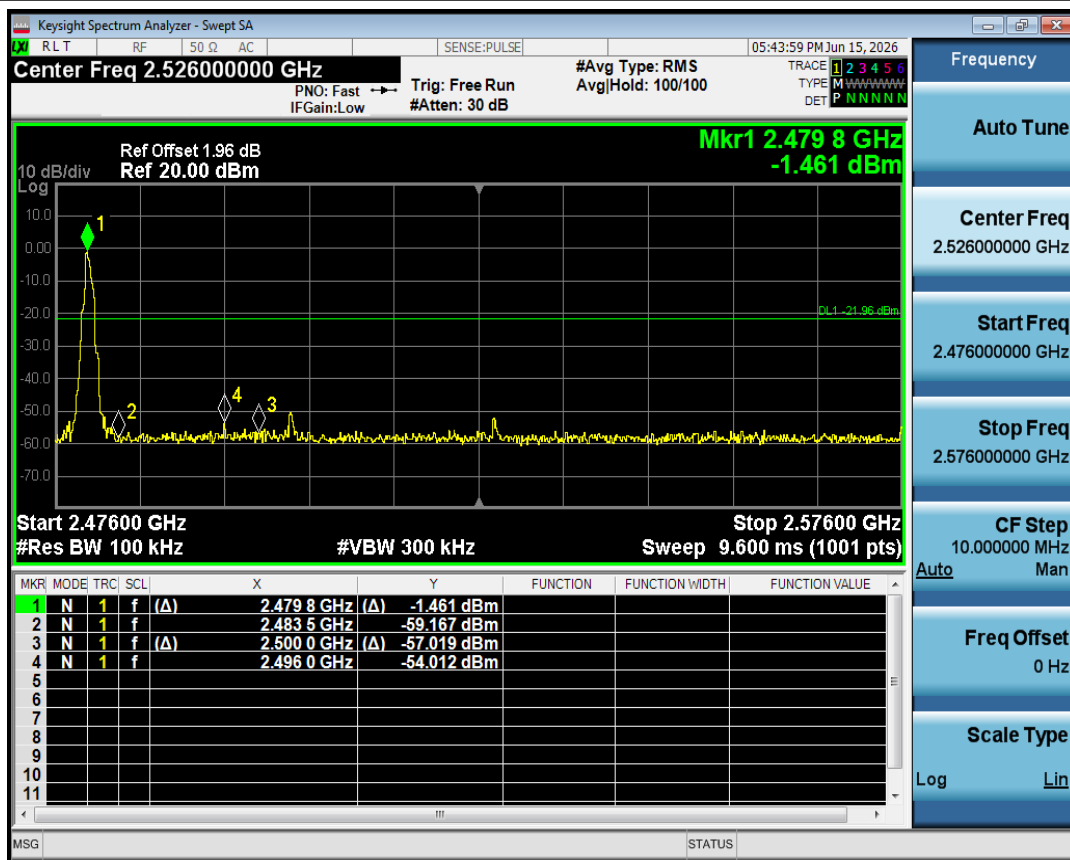
Band Edge NVNT BLE 1M 2402MHz Ant1 Ref



Band Edge NVNT BLE 1M 2402MHz Ant1 Emission



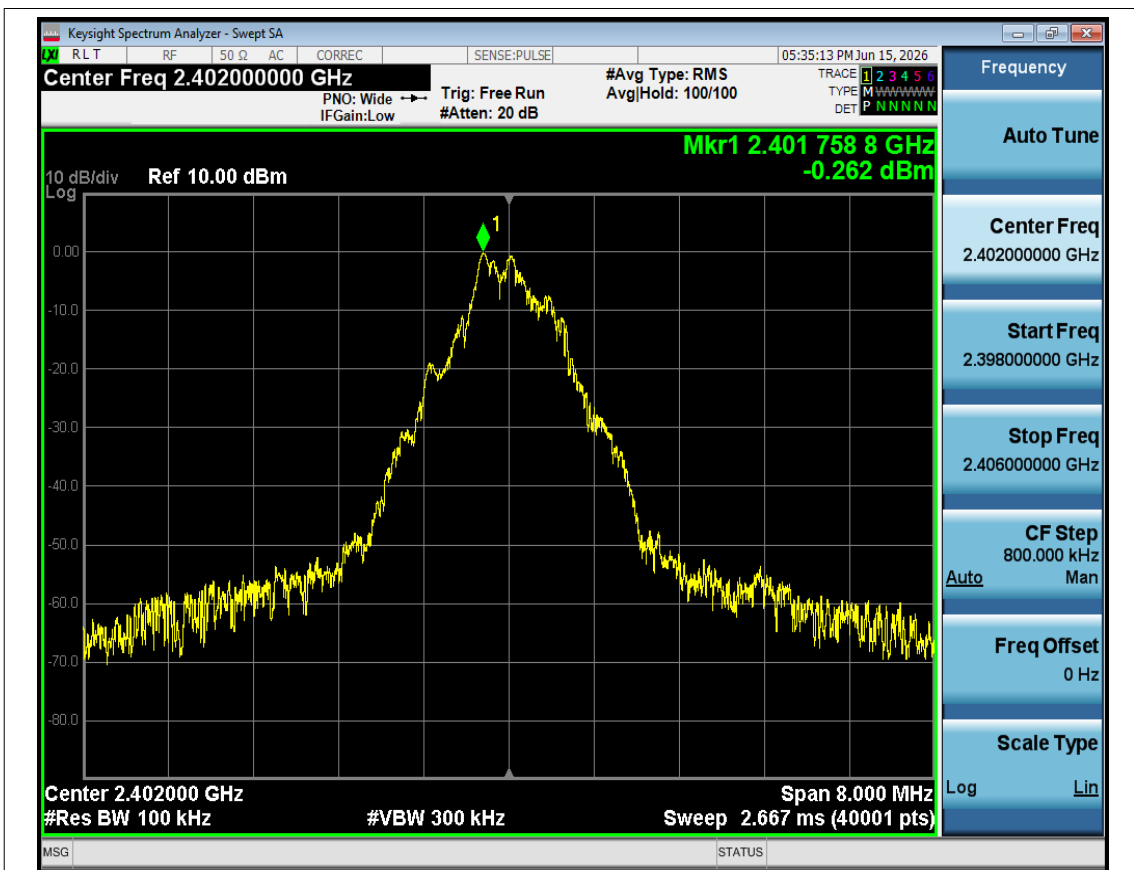
Band Edge NVNT BLE 1M 2480MHz Ant1 Ref



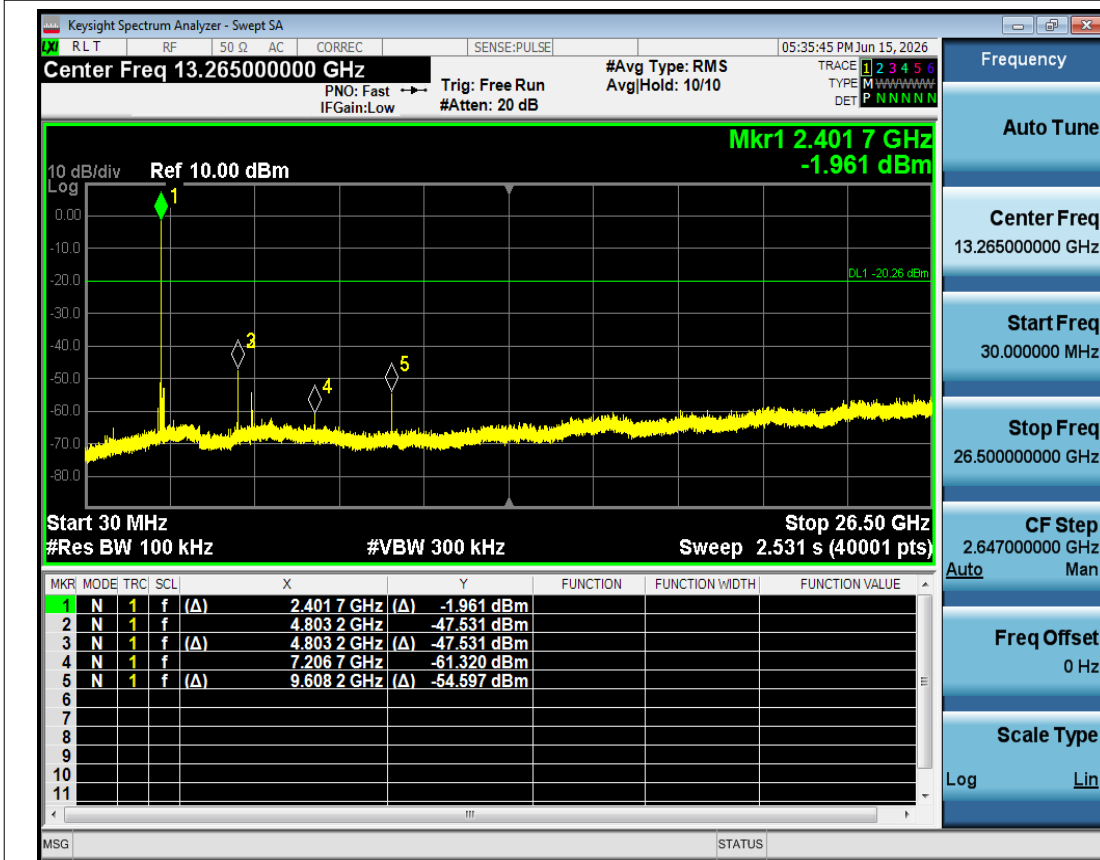
Band Edge NVNT BLE 1M 2480MHz Ant1 Emission

Conducted RF Spurious Emission

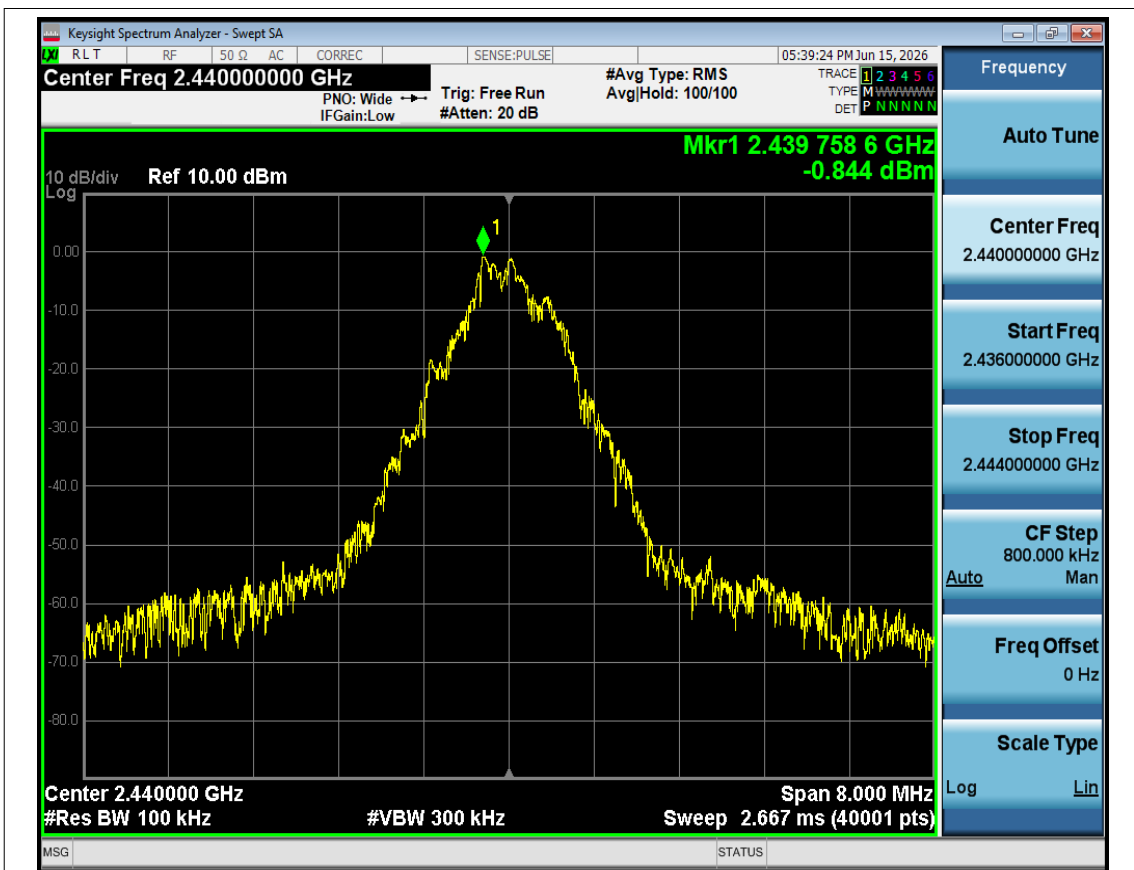
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-47.27	-20	Pass
NVNT	BLE 1M	2440	Ant1	-41.83	-20	Pass
NVNT	BLE 1M	2480	Ant1	-42.01	-20	Pass



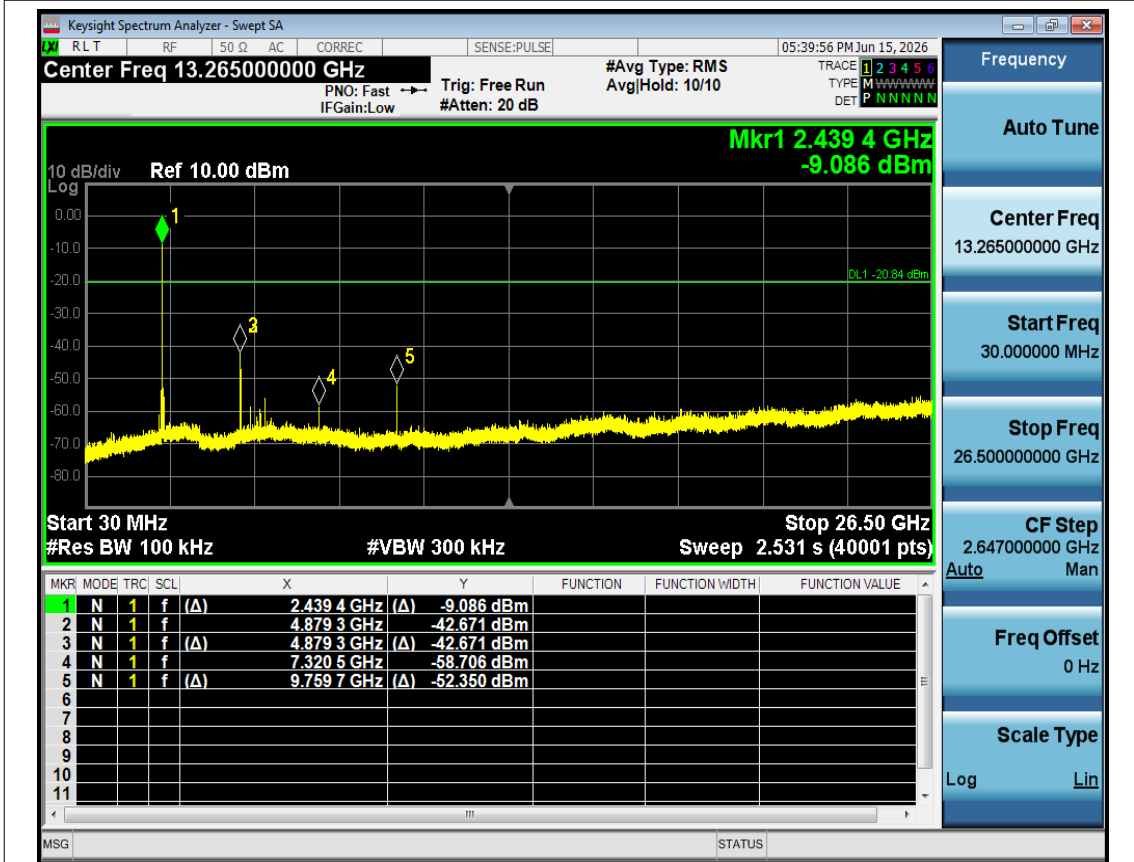
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Ref



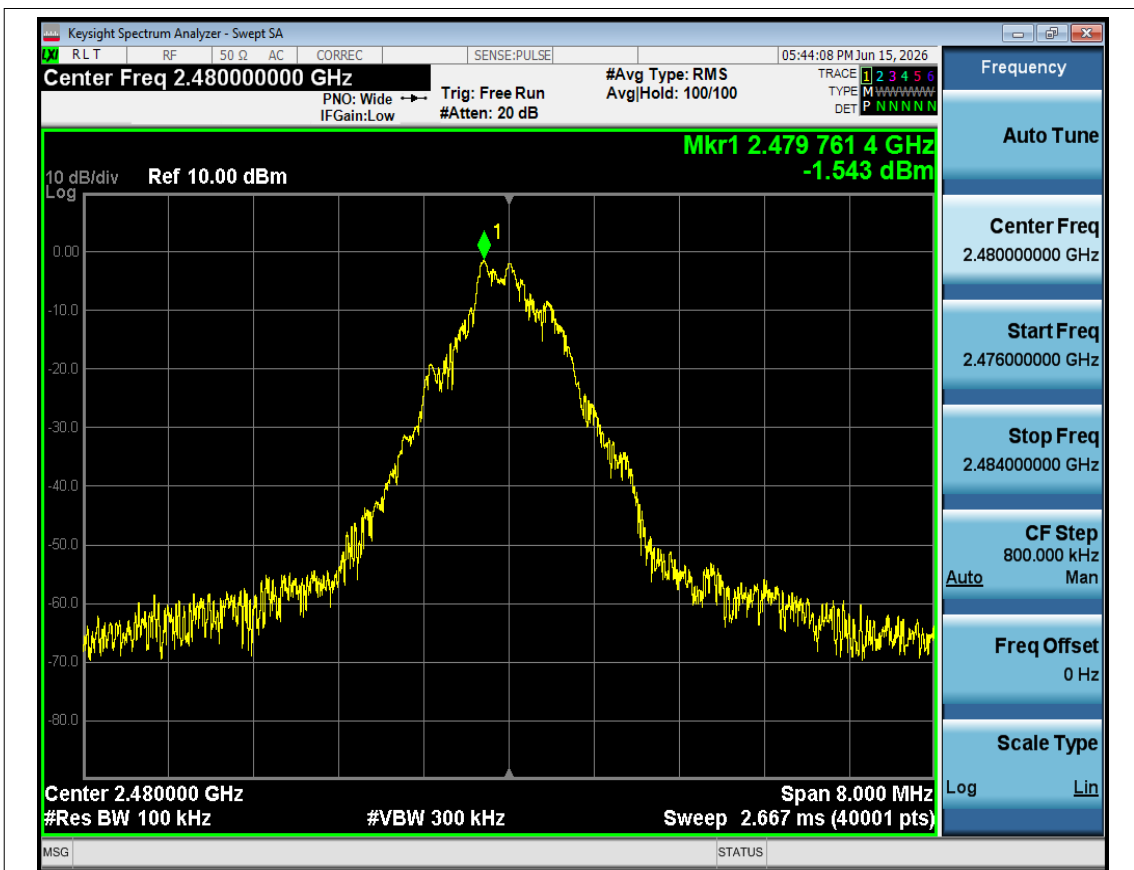
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Emission



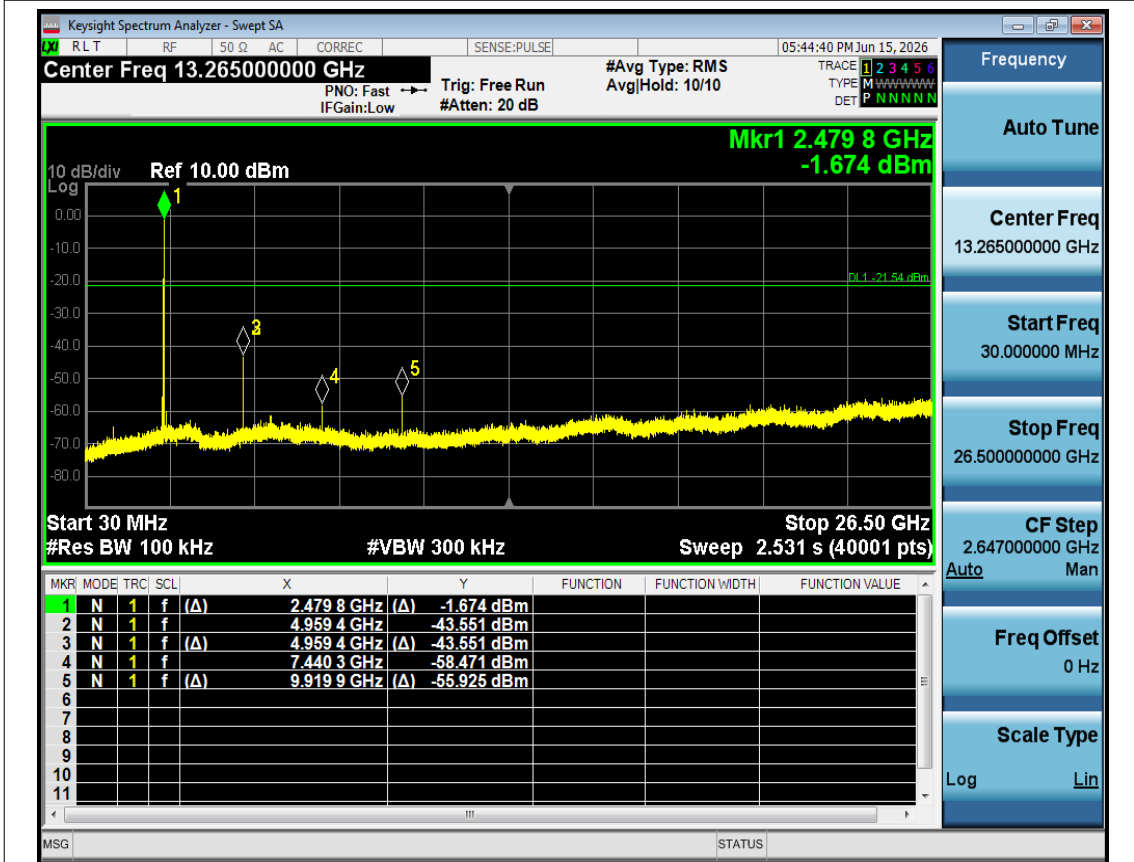
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Ref



Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Emission



Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Ref



Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Emission