

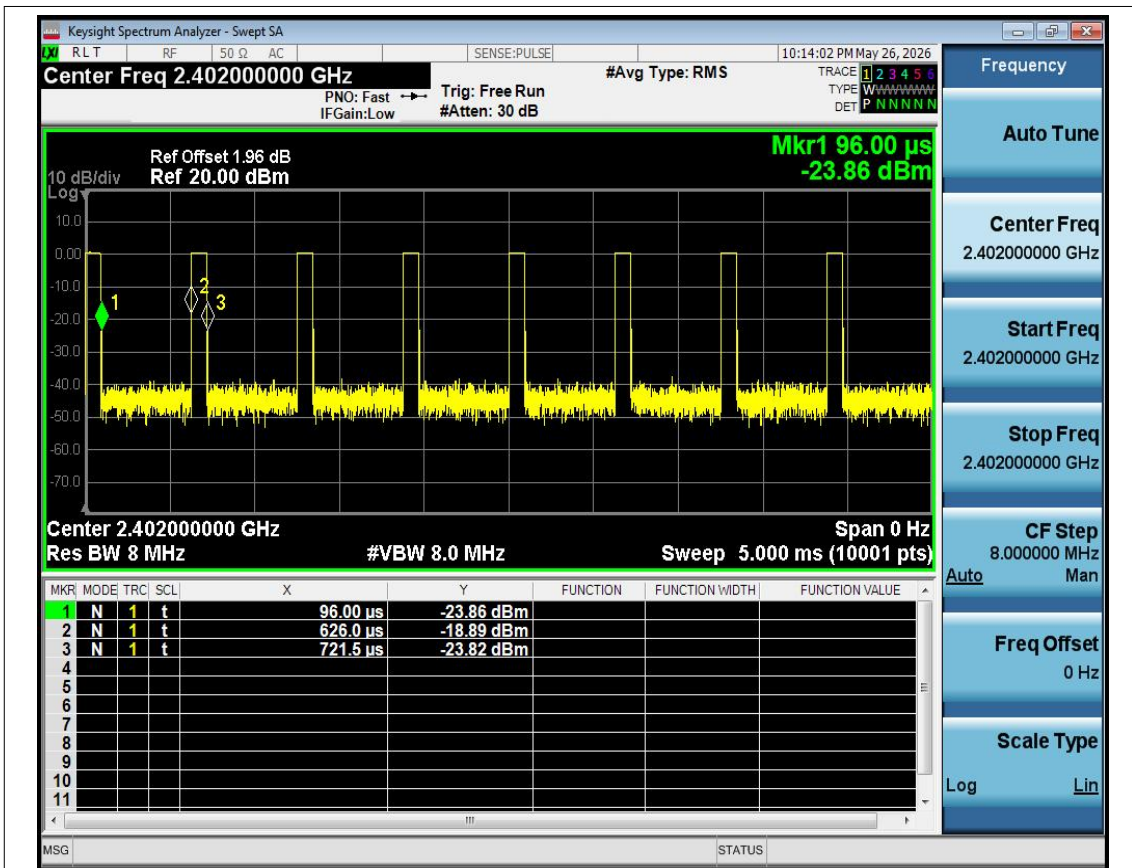
RF Test Data

FCC ID:2BWJI-HL-002

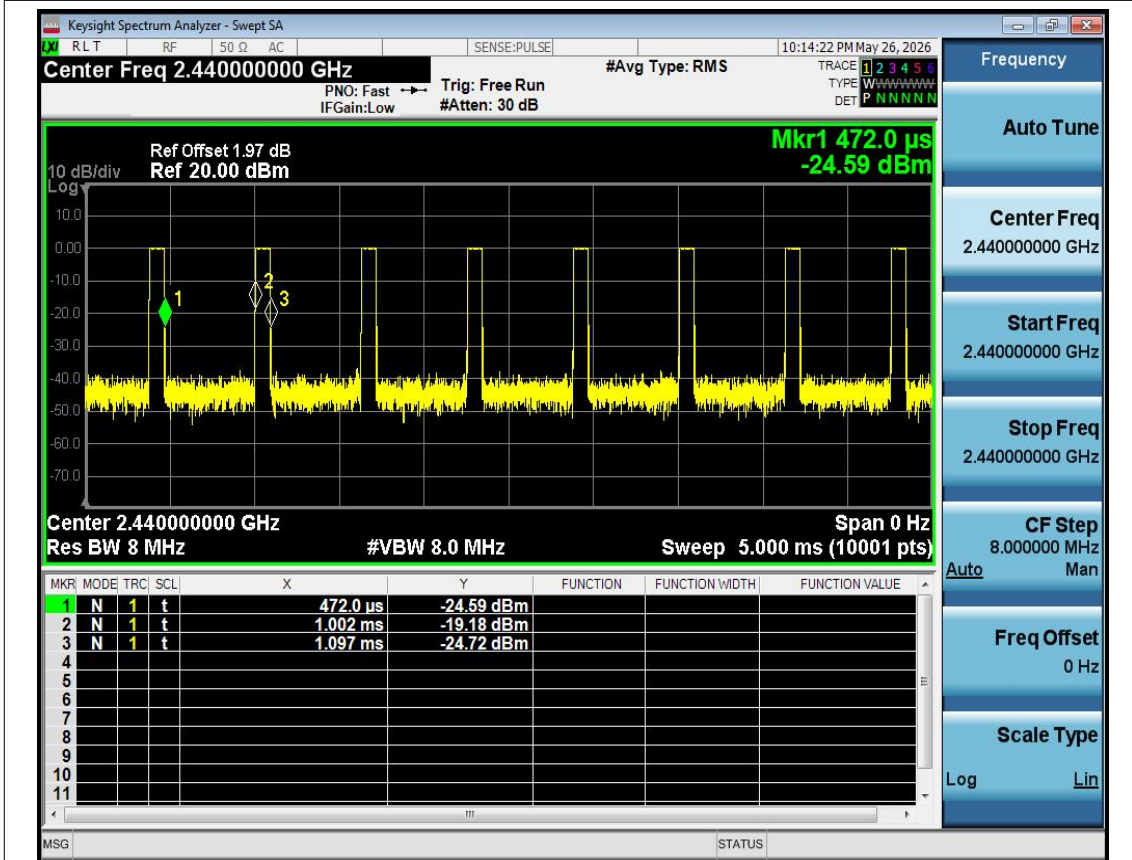
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Occupied Channel Bandwidth	11
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Duty Cycle

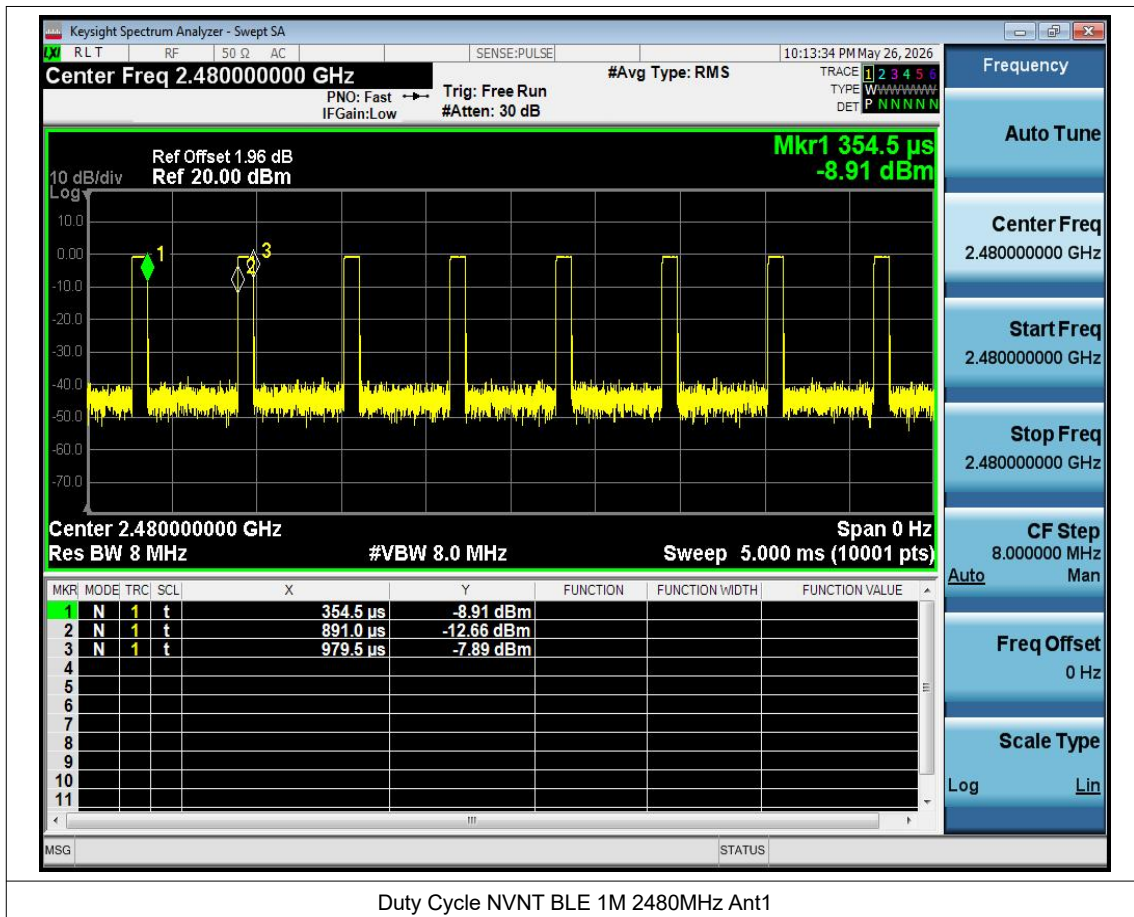
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	15.27	8.16	10.47
NVNT	BLE 1M	2440	Ant1	15.2	8.18	10.53
NVNT	BLE 1M	2480	Ant1	14.16	8.49	11.3



Duty Cycle NVNT BLE 1M 2402MHz Ant1

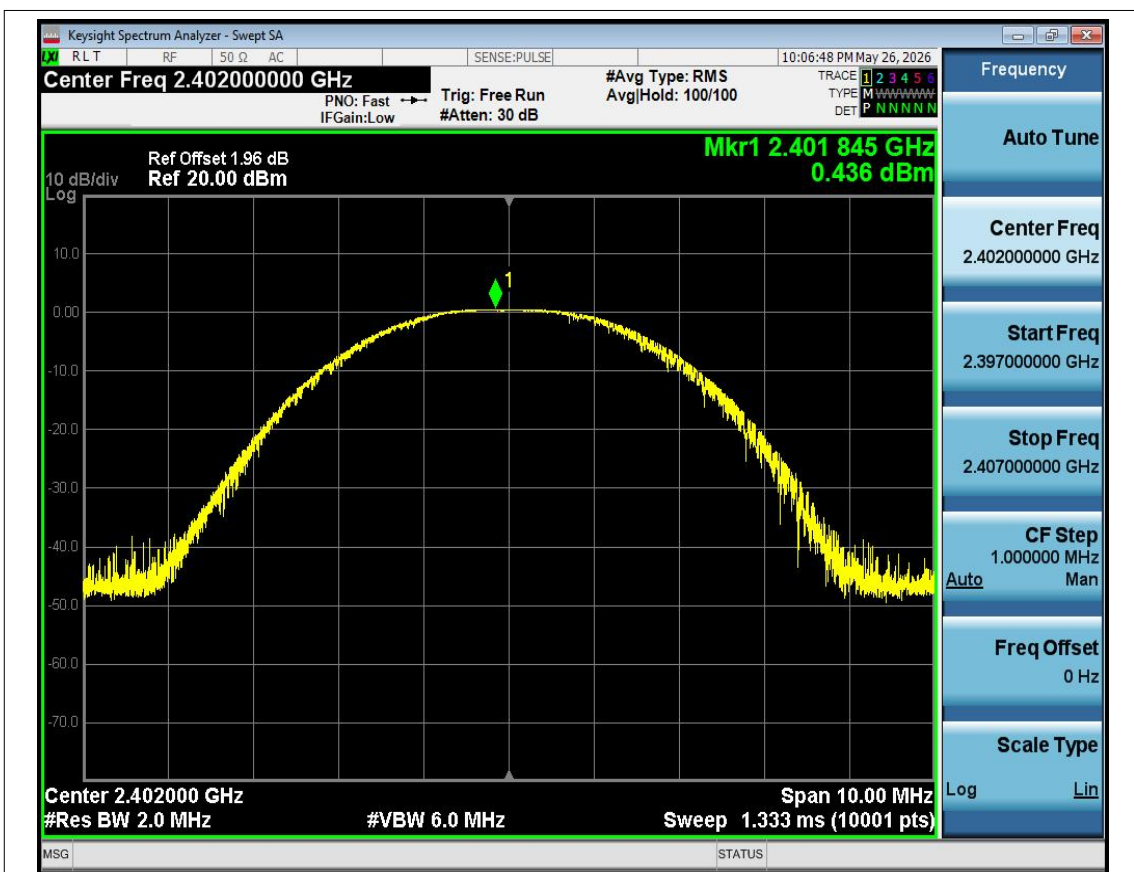


Duty Cycle NVNT BLE 1M 2440MHz Ant1

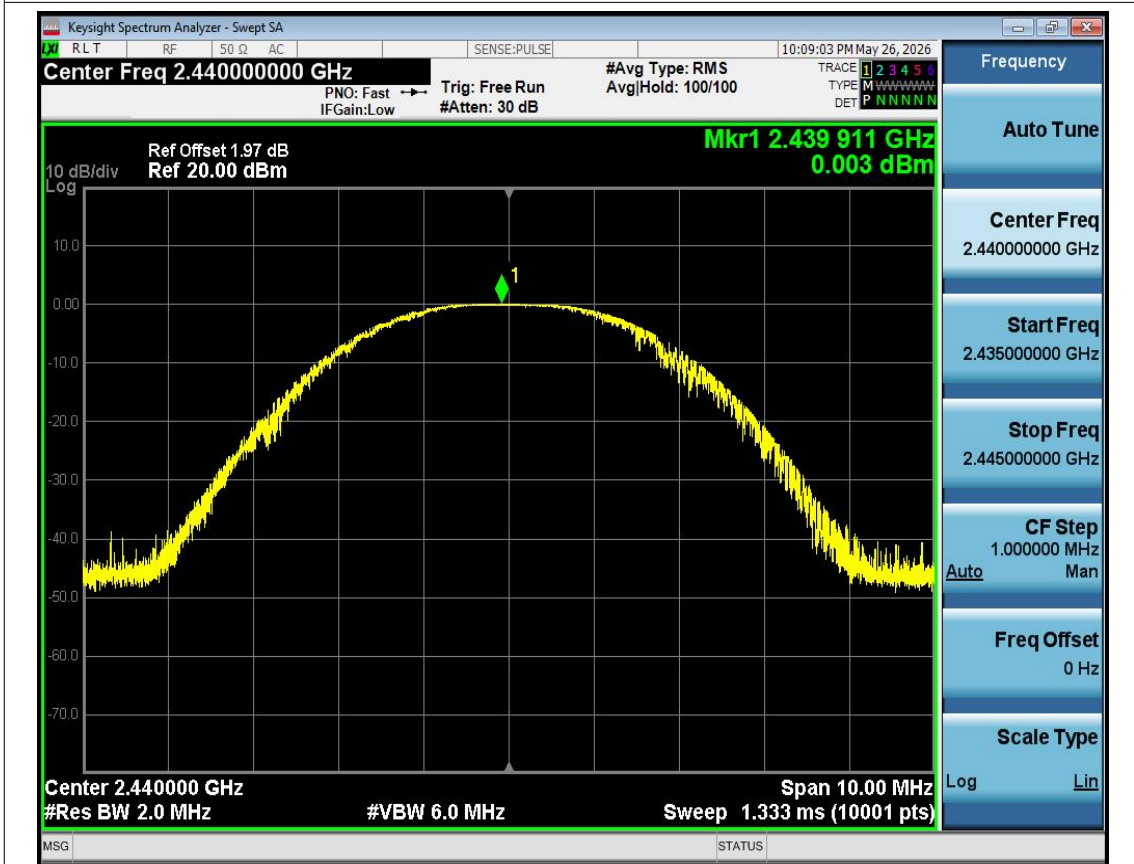


Maximum Peak Conducted Output Power

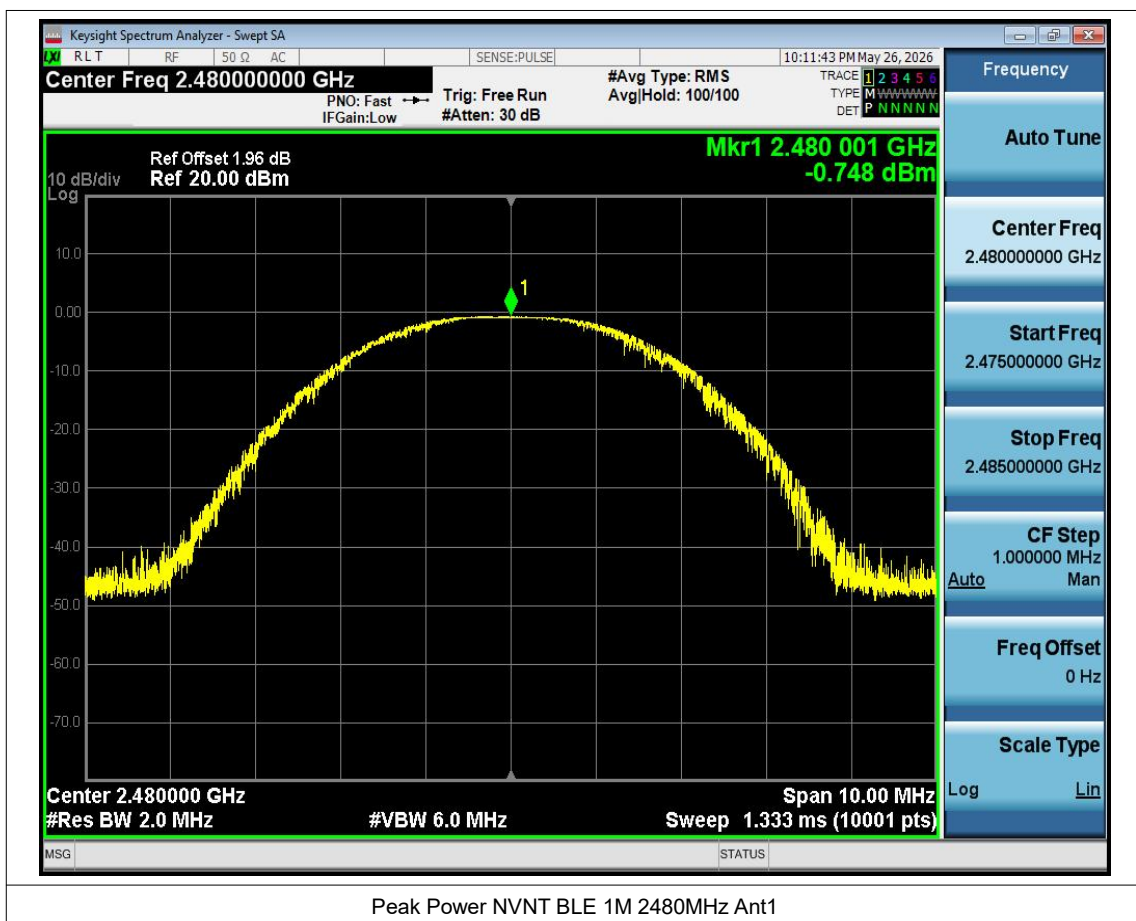
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Conducted Power (W)	Limit Conducted(dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	0.44	0.00111	30	Pass
NVNT	BLE 1M	2440	Ant1	0	0.001	30	Pass
NVNT	BLE 1M	2480	Ant1	-0.75	0.00084	30	Pass



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	0.5045	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.5267	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.5222	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	1.2138
NVNT	BLE 1M	2440	Ant1	1.2288
NVNT	BLE 1M	2480	Ant1	1.2495



OBW NVNT BLE 1M 2402MHz Ant1



OBW NVNT BLE 1M 2440MHz Ant1



Maximum Power Spectral Density Level

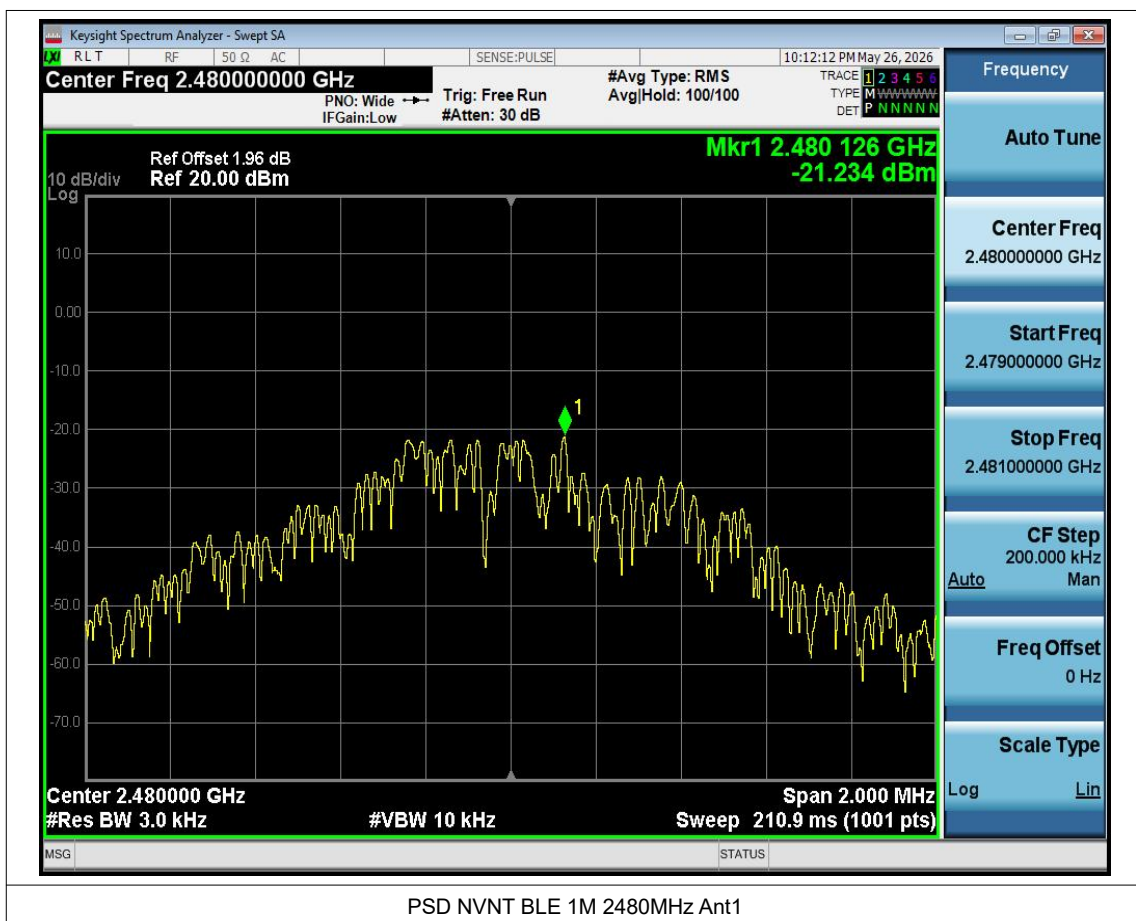
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-19.54	8	Pass
NVNT	BLE 1M	2440	Ant1	-20.22	8	Pass
NVNT	BLE 1M	2480	Ant1	-21.23	8	Pass



PSD NVNT BLE 1M 2402MHz Ant1



PSD NVNT BLE 1M 2440MHz Ant1

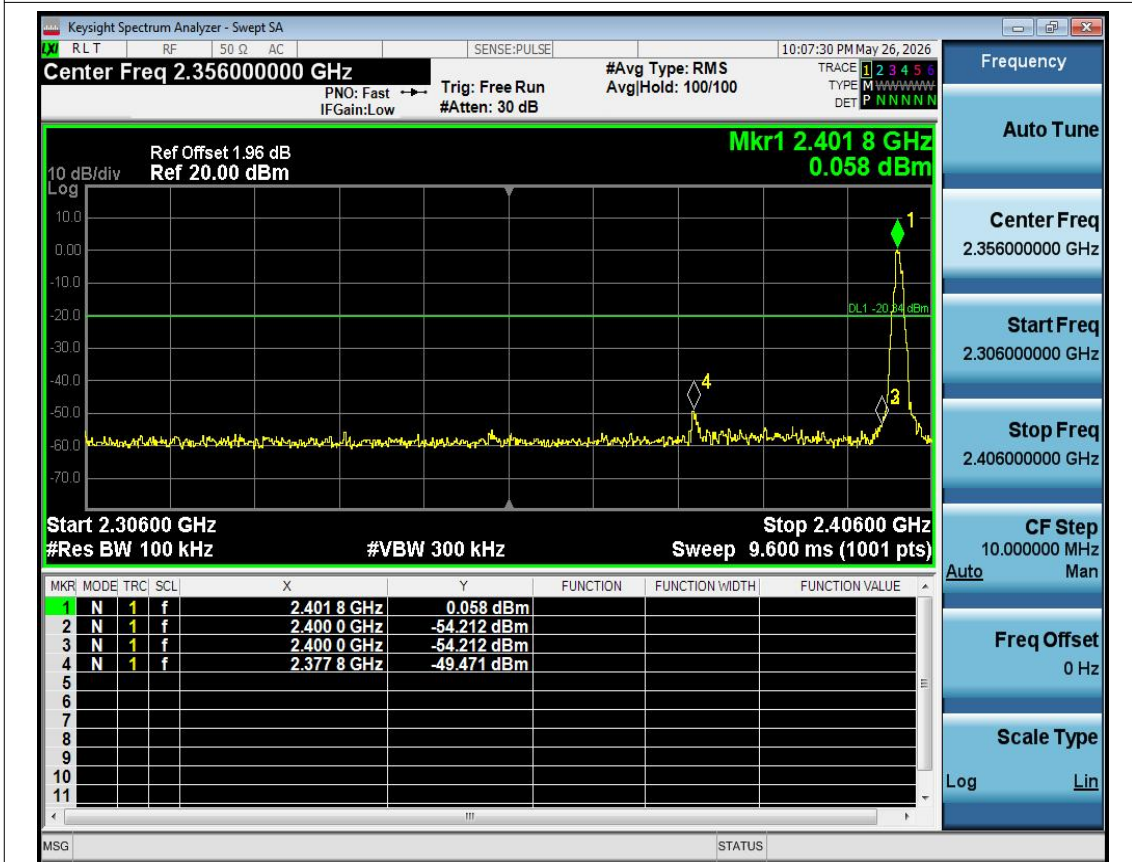


Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-49.13	-20	Pass
NVNT	BLE 1M	2480	Ant1	-54.32	-20	Pass



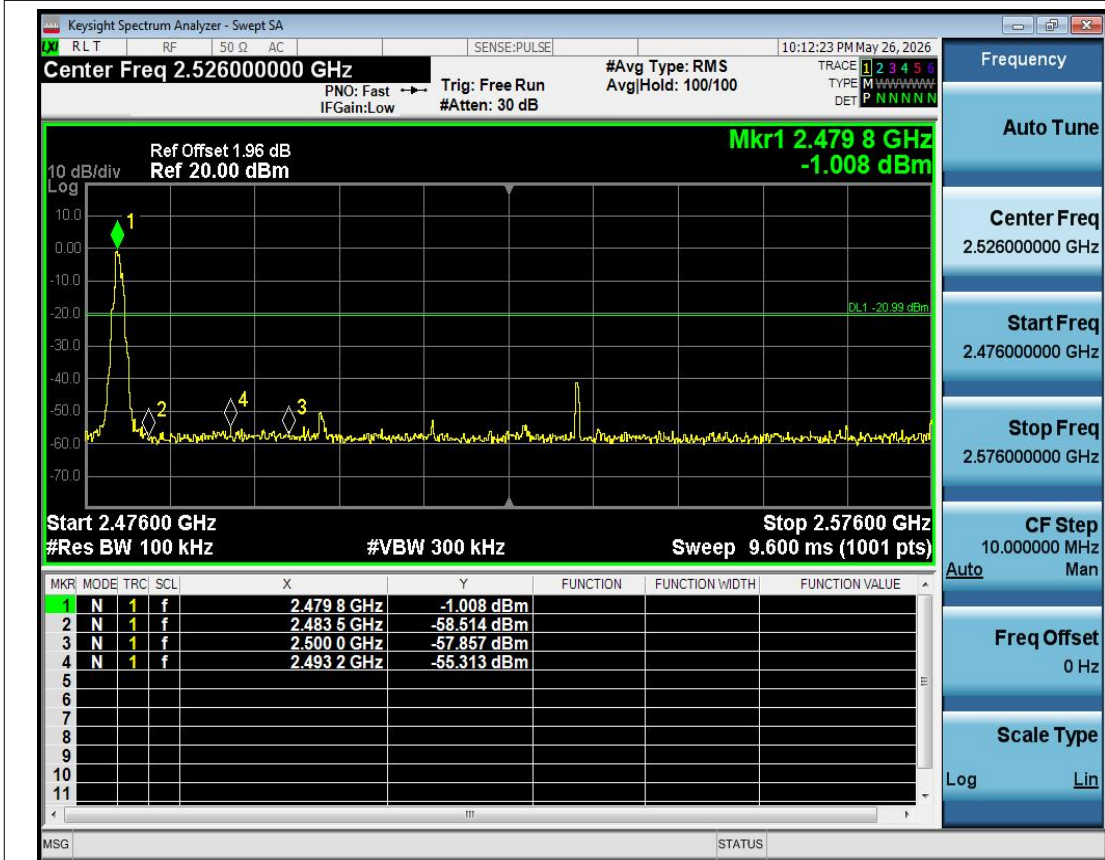
Band Edge NVNT BLE 1M 2402MHz Ant1 Ref



Band Edge NVNT BLE 1M 2402MHz Ant1 Emission



Band Edge NVNT BLE 1M 2480MHz Ant1 Ref



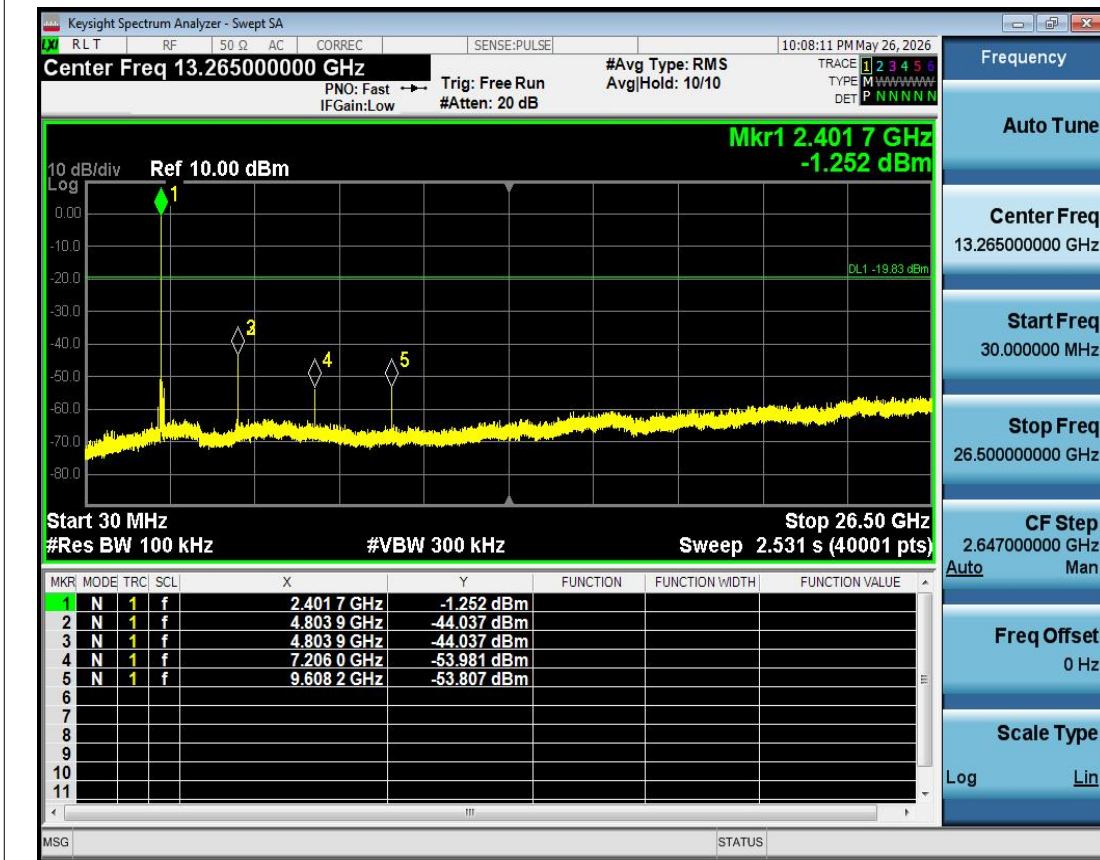
Band Edge NVNT BLE 1M 2480MHz Ant1 Emission

Conducted RF Spurious Emission

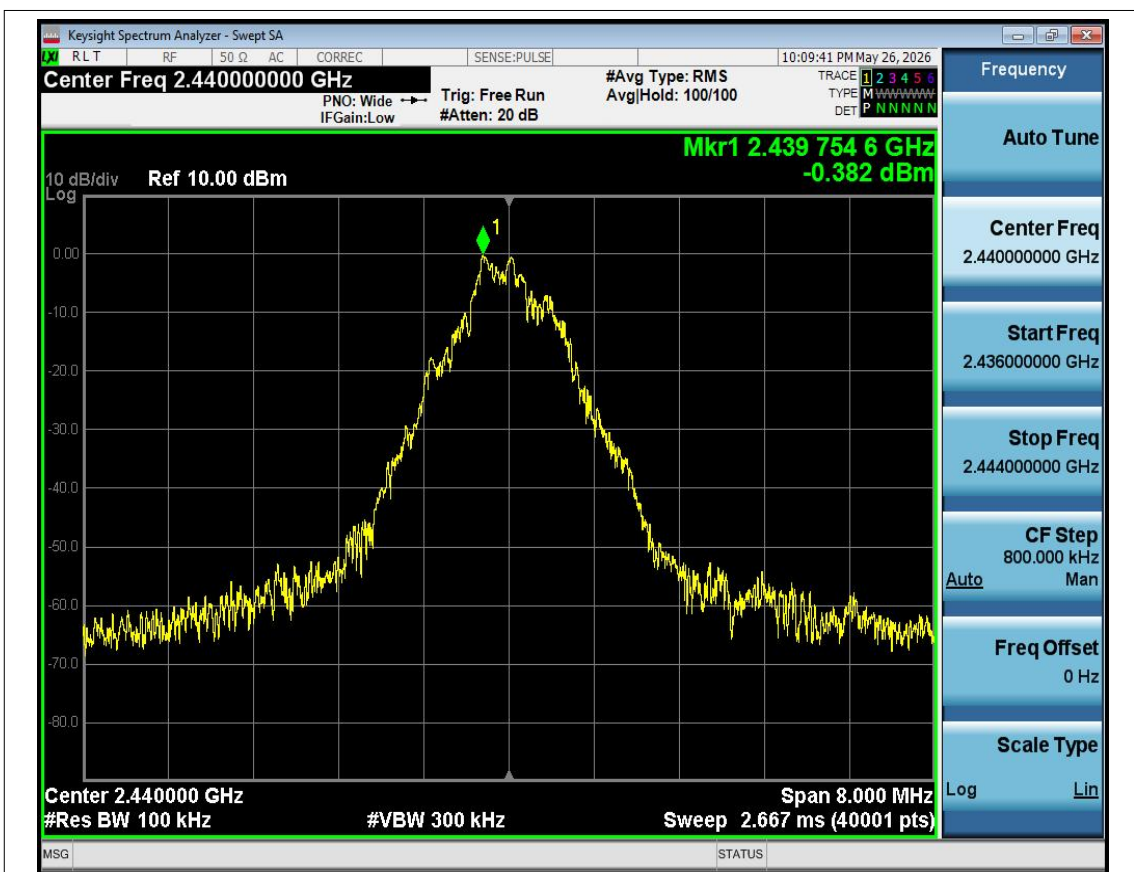
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-44.2	-20	Pass
NVNT	BLE 1M	2440	Ant1	-41.12	-20	Pass
NVNT	BLE 1M	2480	Ant1	-40.45	-20	Pass



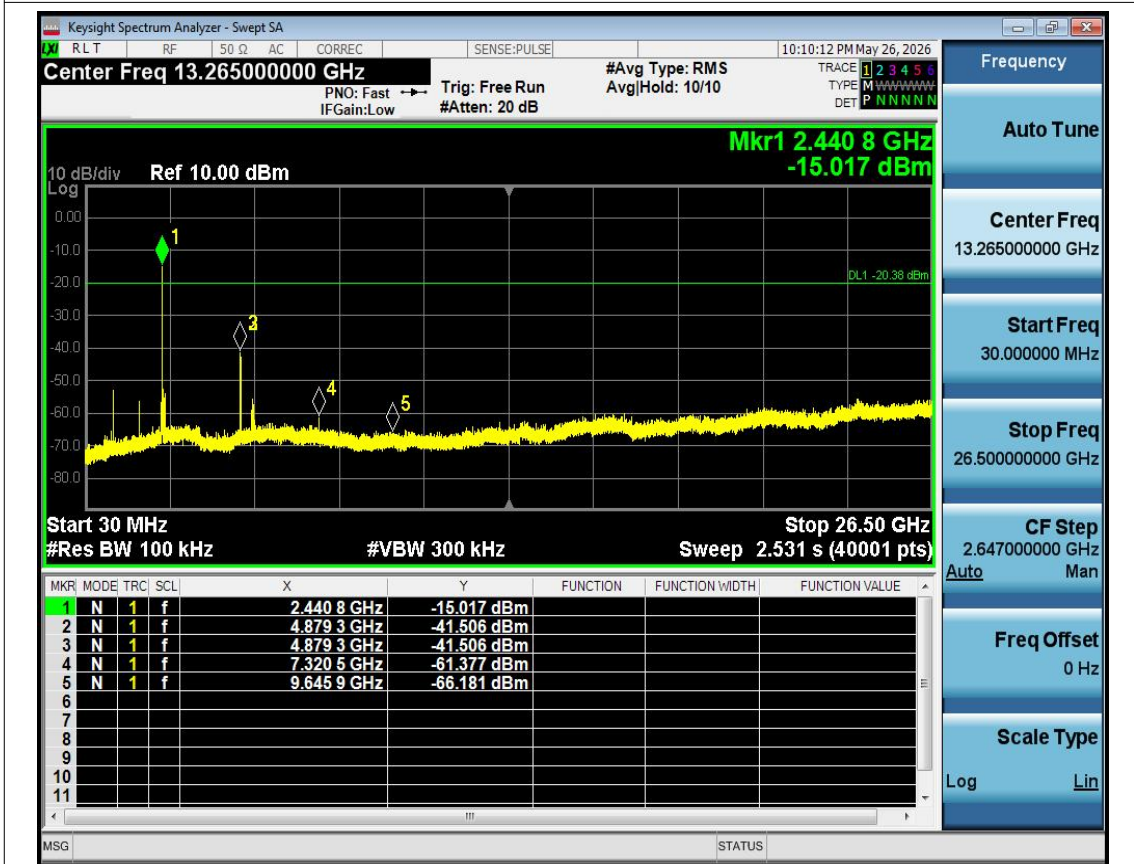
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Ref



Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Emission



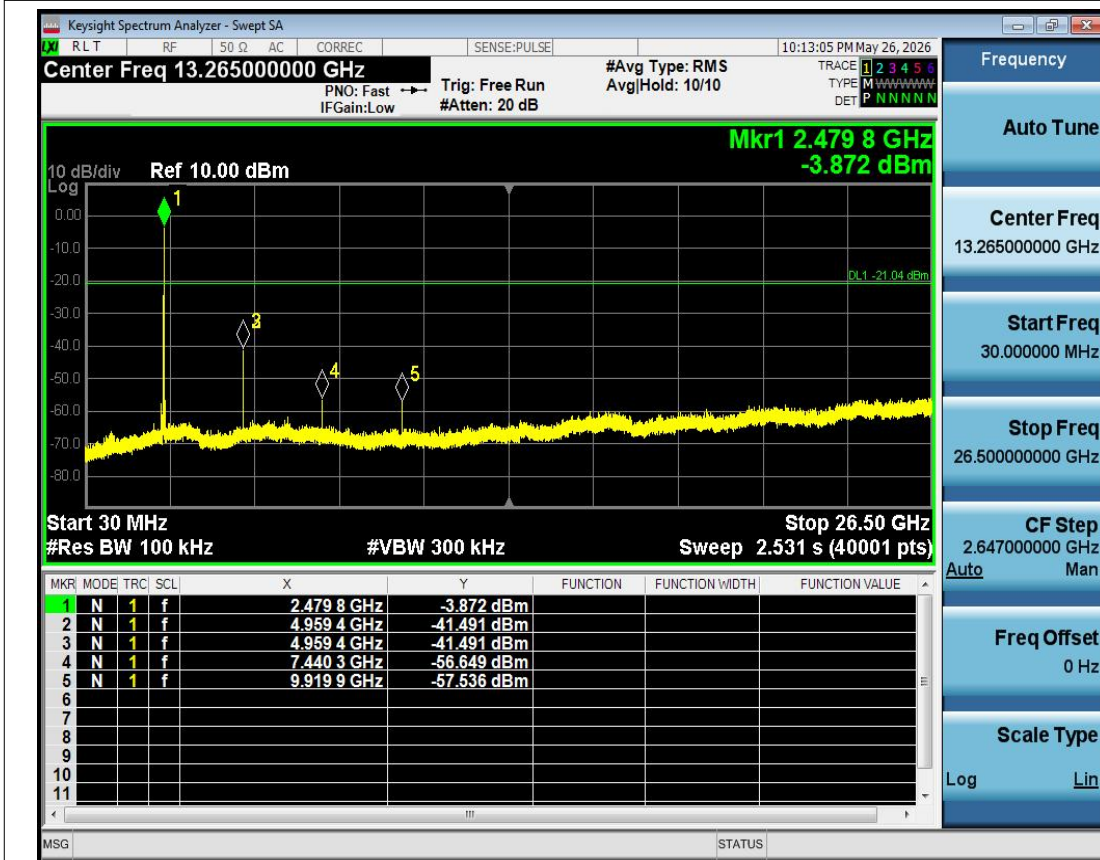
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Ref



Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Emission



Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Ref



Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Emission