RF Test Data

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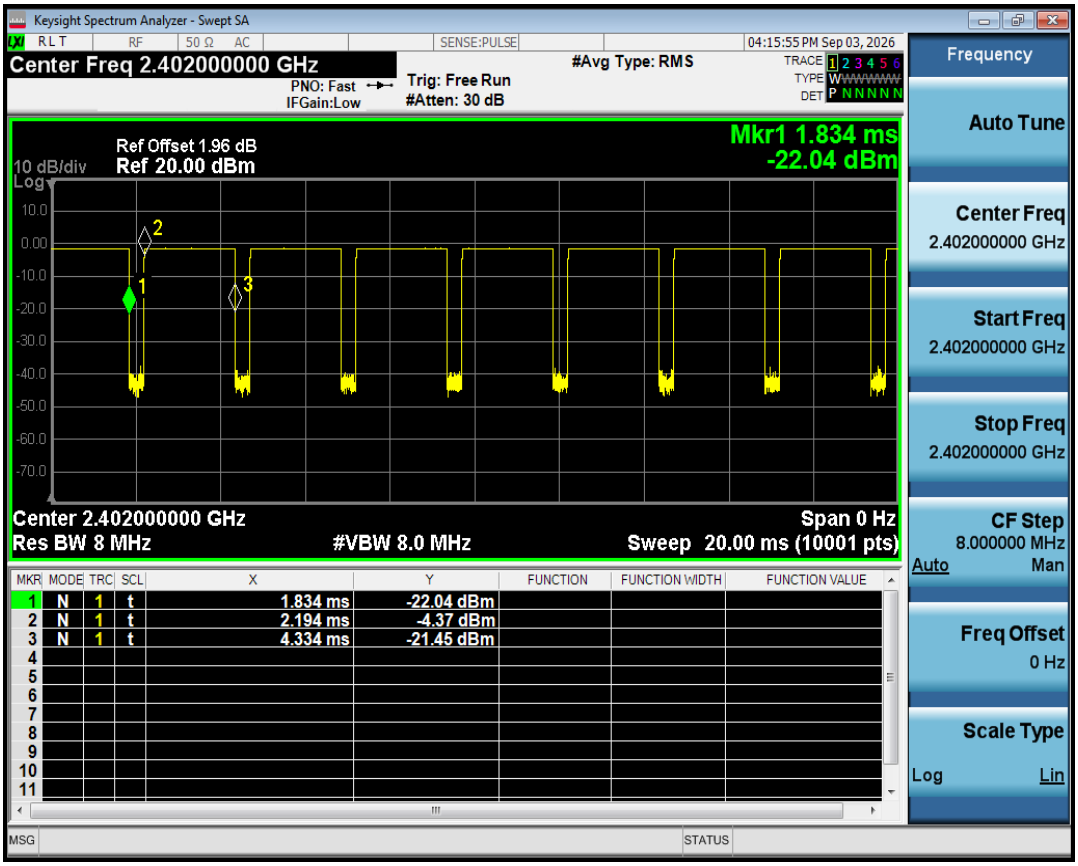
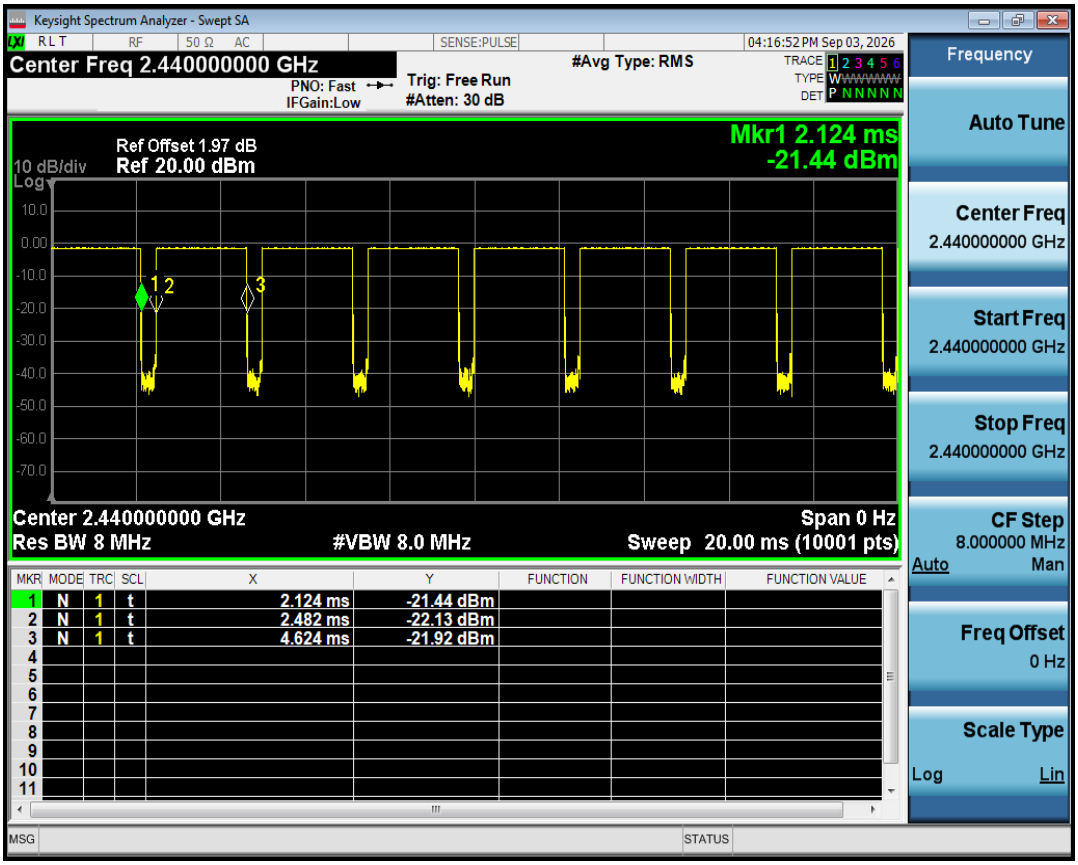
Duty Cycle

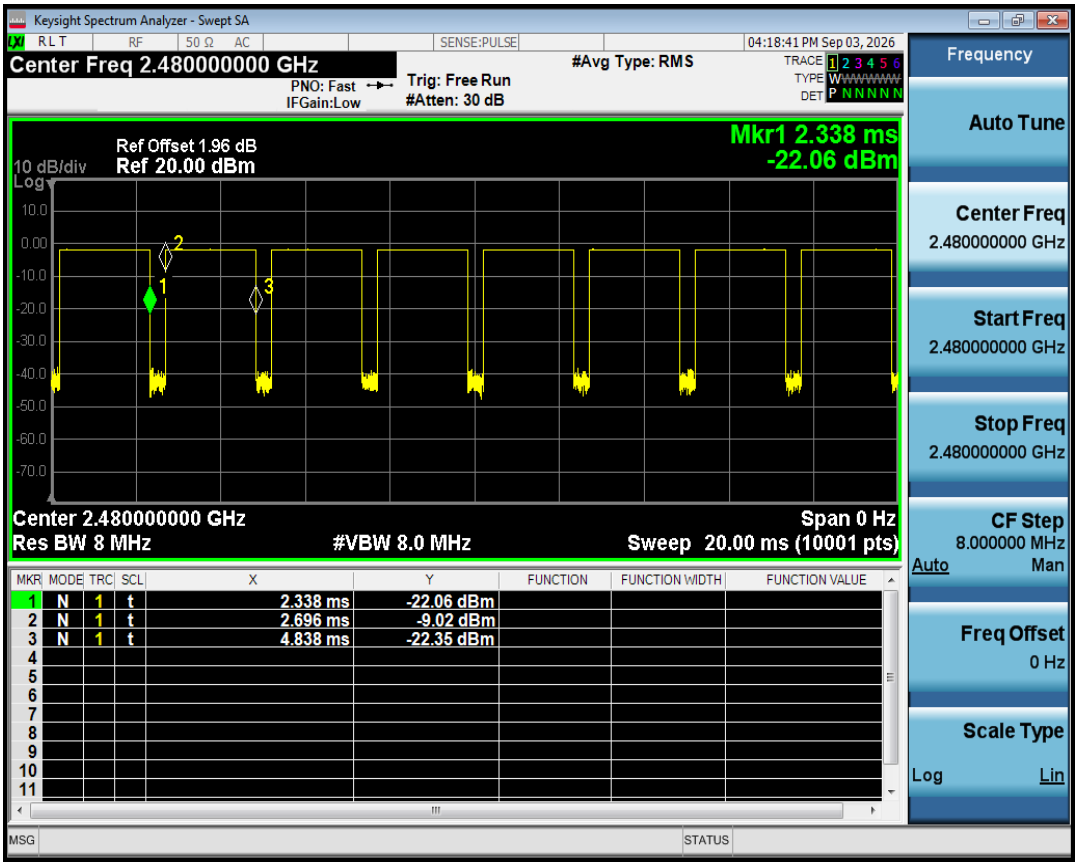
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	85.6	0.68	0.47
NVNT	BLE 1M	2440	Ant1	85.68	0.67	0.47
NVNT	BLE 1M	2480	Ant1	85.68	0.67	0.47



Duty Cycle NVNT BLE 1M 2402MHz Ant1



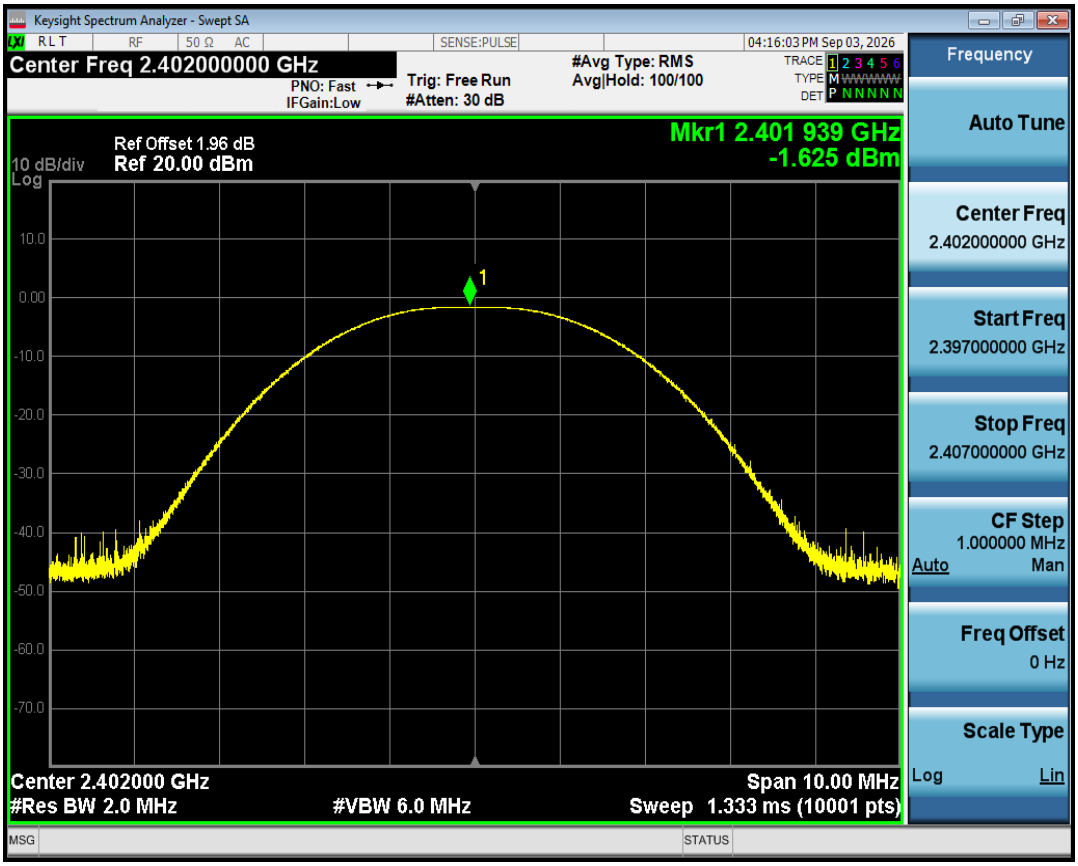
Duty Cycle NVNT BLE 1M 2440MHz Ant1



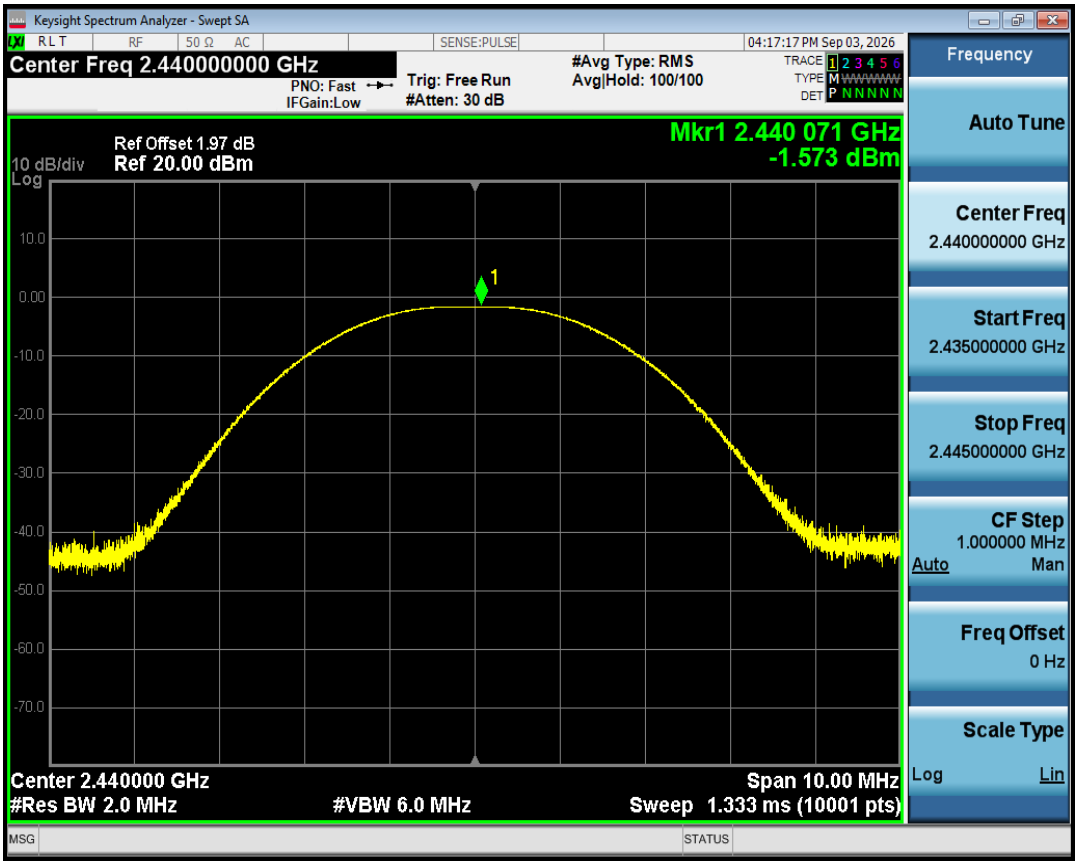
Duty Cycle NVNT BLE 1M 2480MHz Ant1

Maximum Peak Conducted Output Power

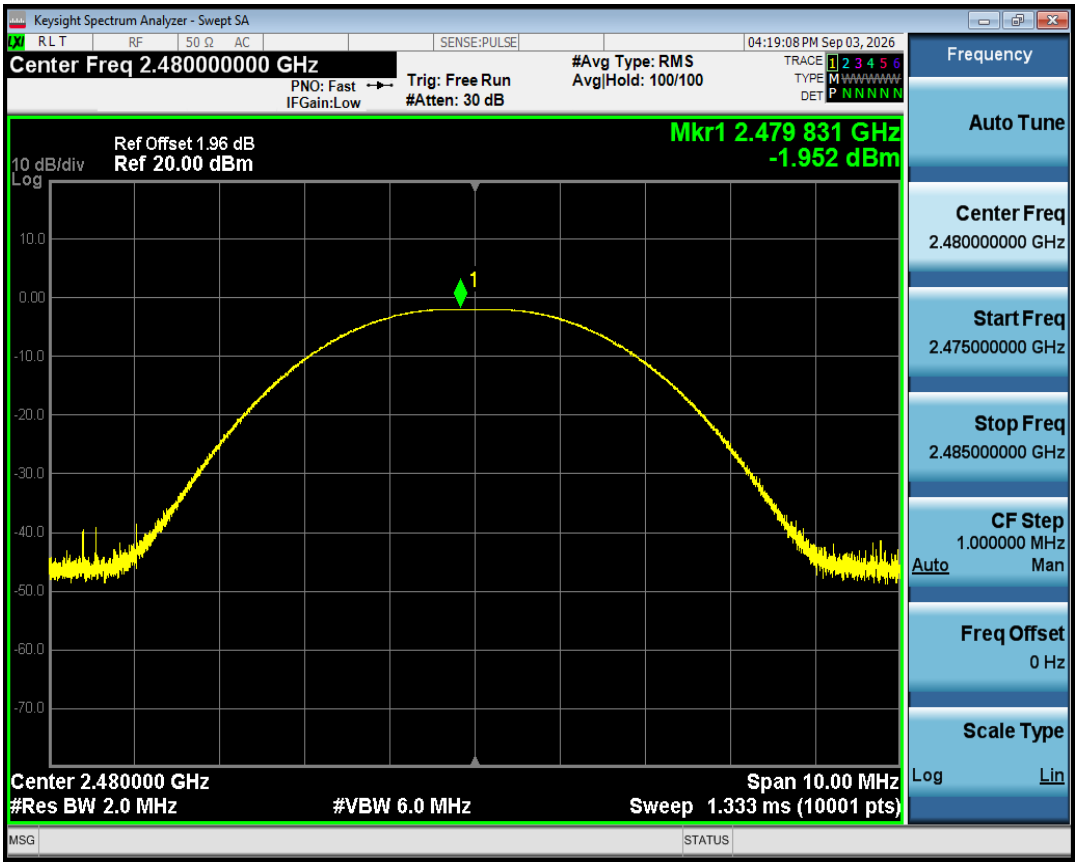
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Conducted Power (W)	Limit Conducted(dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-1.63	0.00069	30	Pass
NVNT	BLE 1M	2440	Ant1	-1.57	0.0007	30	Pass
NVNT	BLE 1M	2480	Ant1	-1.95	0.00064	30	Pass



Peak Power NVNT BLE 1M 2402MHz Ant1



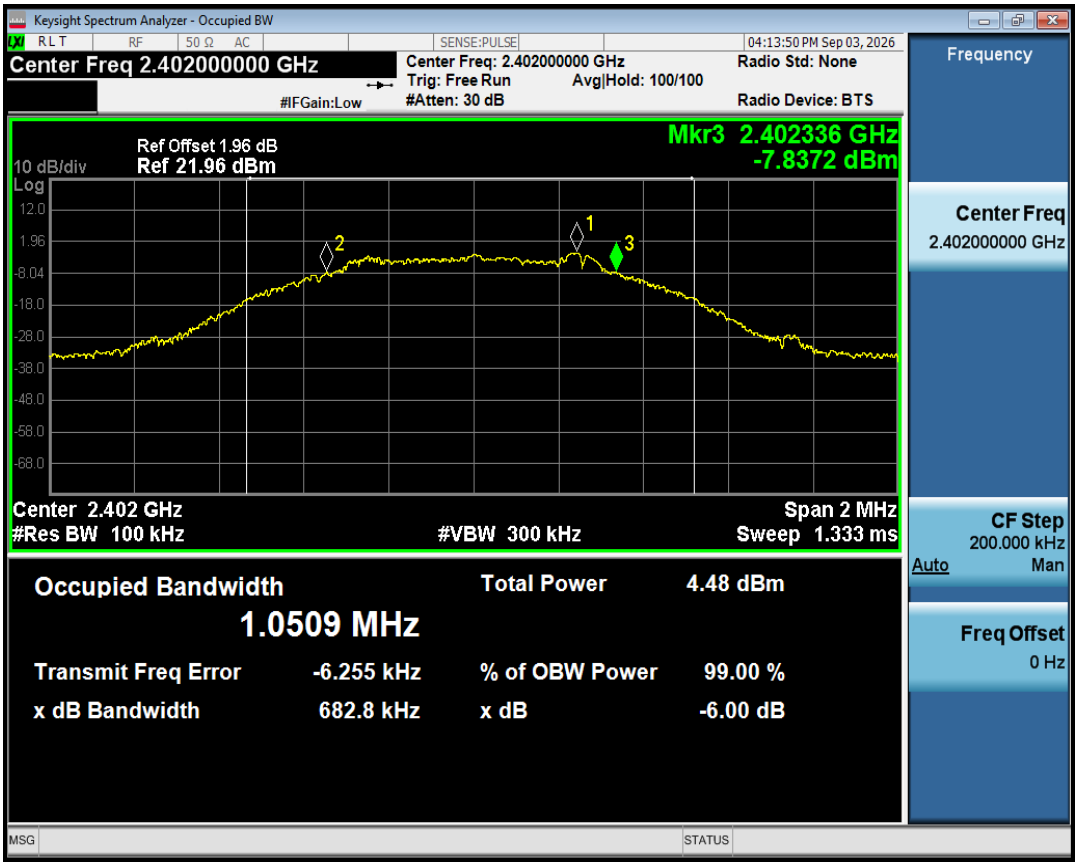
Peak Power NVNT BLE 1M 2440MHz Ant1



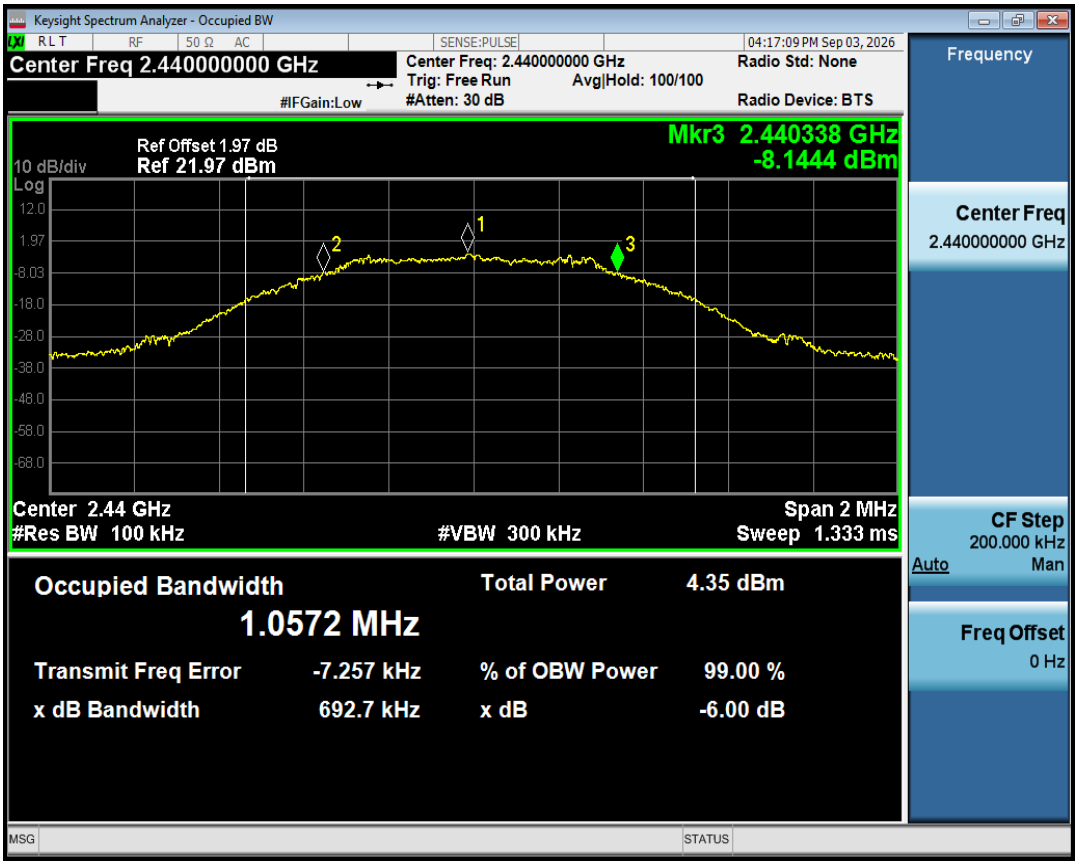
Peak Power NVNT BLE 1M 2480MHz Ant1

-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.6828	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.6927	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.6765	0.5	Pass



-6dB Bandwidth NVNT BLE 1M 2402MHz Ant1

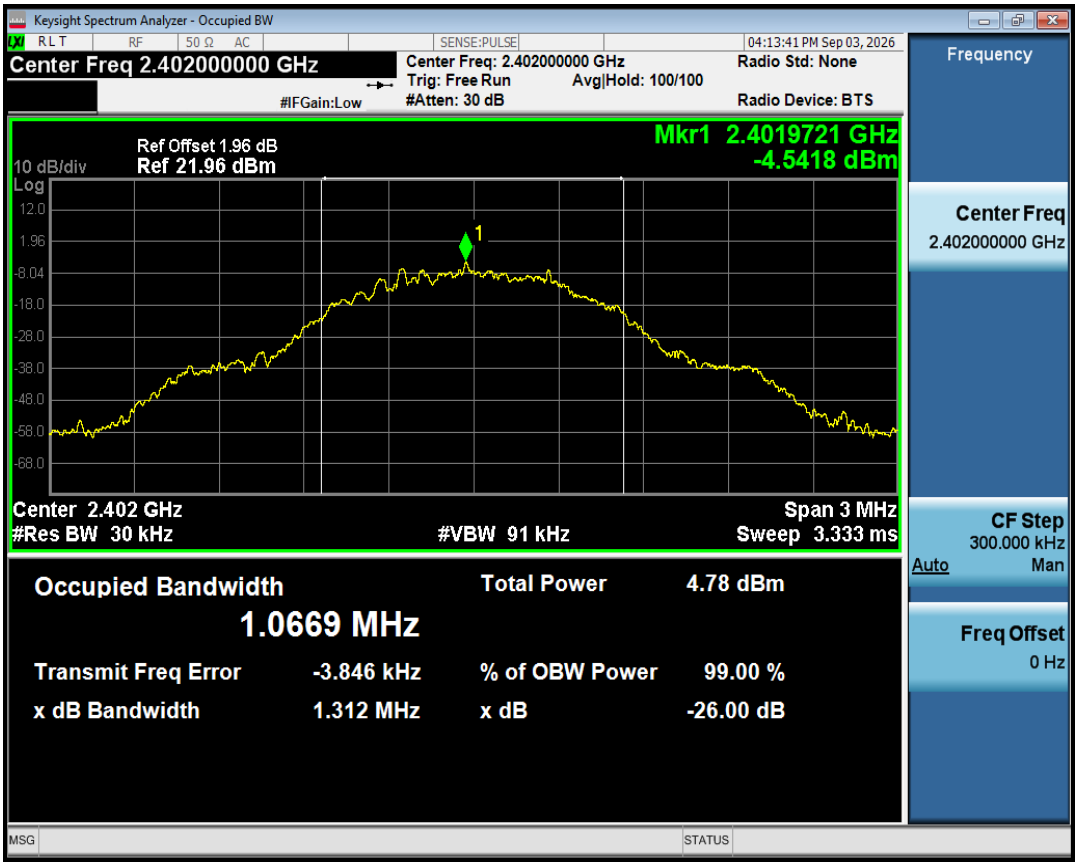


-6dB Bandwidth NVNT BLE 1M 2440MHz Ant1

-6dB Bandwidth NVNT BLE 1M 2480MHz Ant1

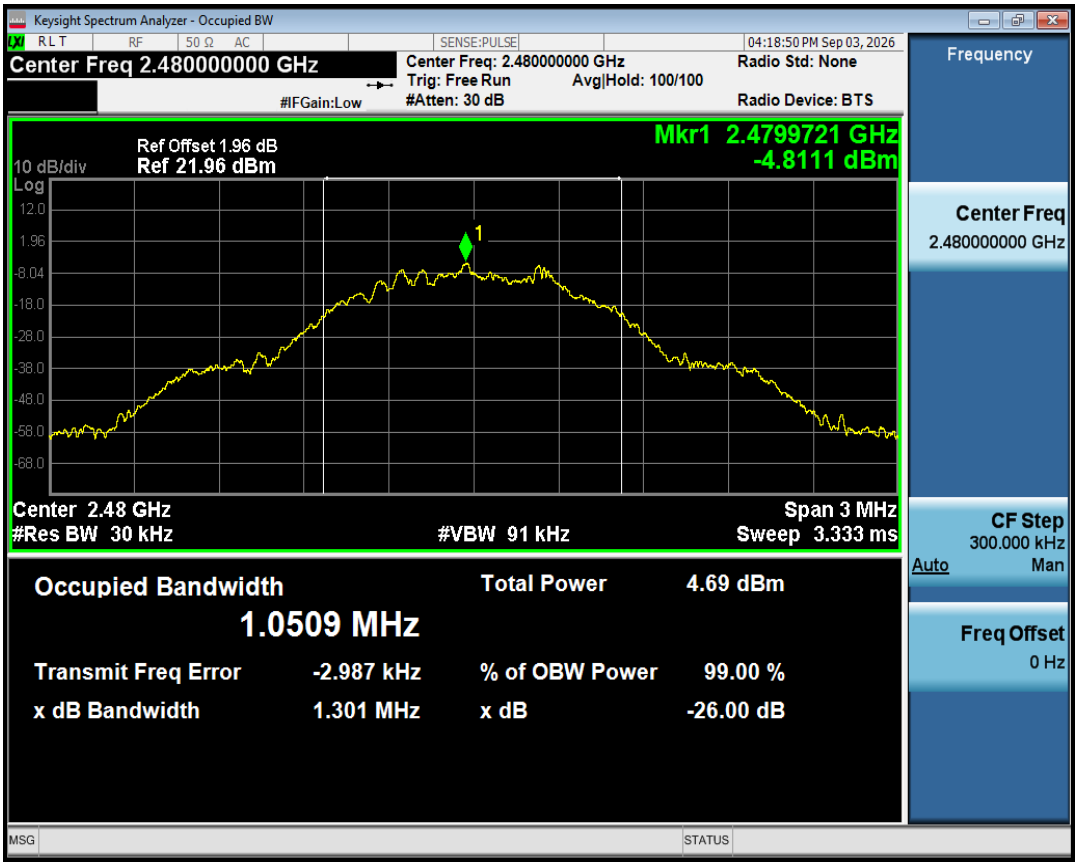
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.0669
NVNT	BLE 1M	2440	Ant1	1.069
NVNT	BLE 1M	2480	Ant1	1.0509



OBW NVNT BLE 1M 2402MHz Ant1

OBW NVNT BLE 1M 2440MHz Ant1



OBW NVNT BLE 1M 2480MHz Ant1

Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-17.37	8	Pass
NVNT	BLE 1M	2440	Ant1	-17.22	8	Pass
NVNT	BLE 1M	2480	Ant1	-17.5	8	Pass

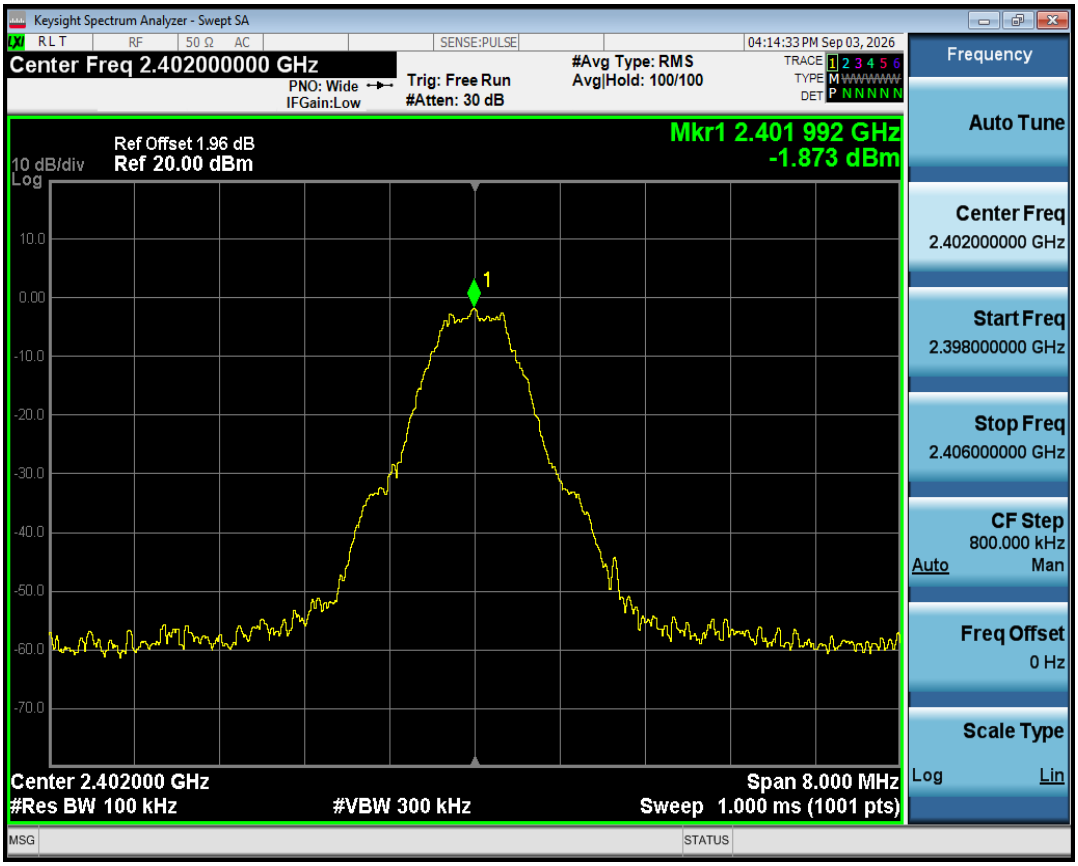
PSD NVNT BLE 1M 2402MHz Ant1

PSD NVNT BLE 1M 2440MHz Ant1

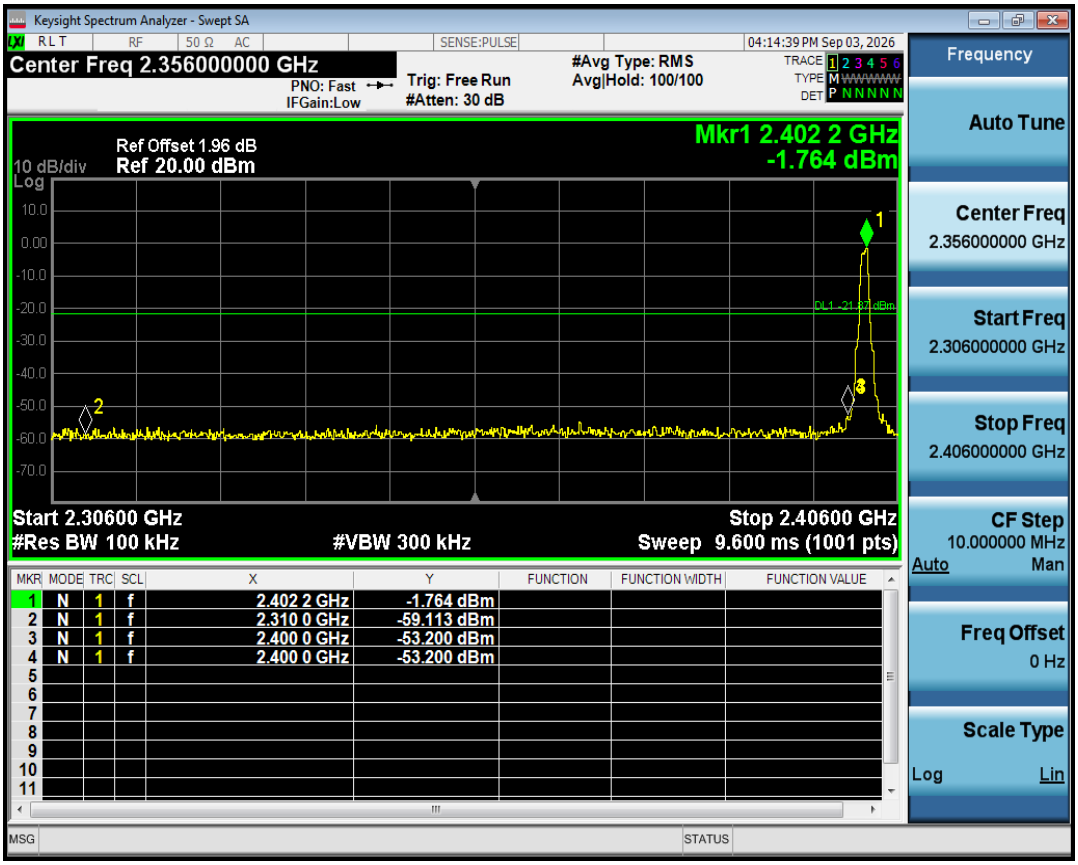
PSD NVNT BLE 1M 2480MHz Ant1

Band Edge

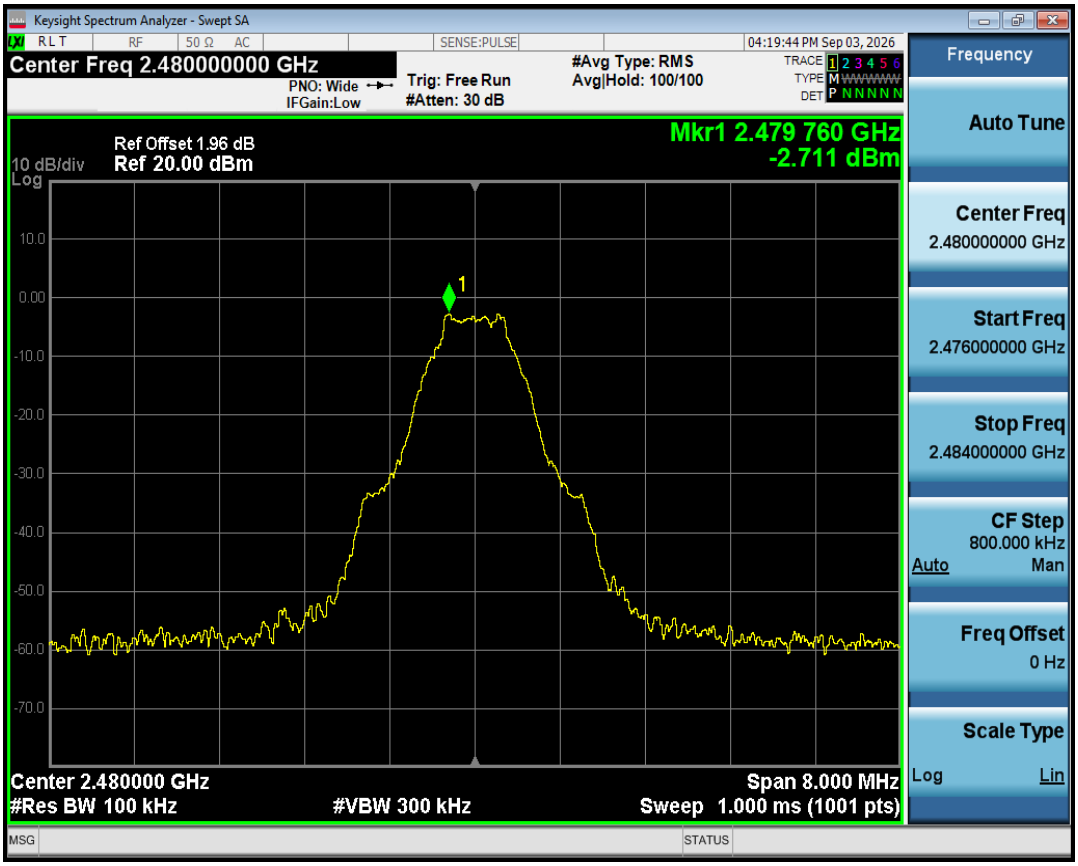
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-51.32	-20	Pass
NVNT	BLE 1M	2480	Ant1	-52.46	-20	Pass



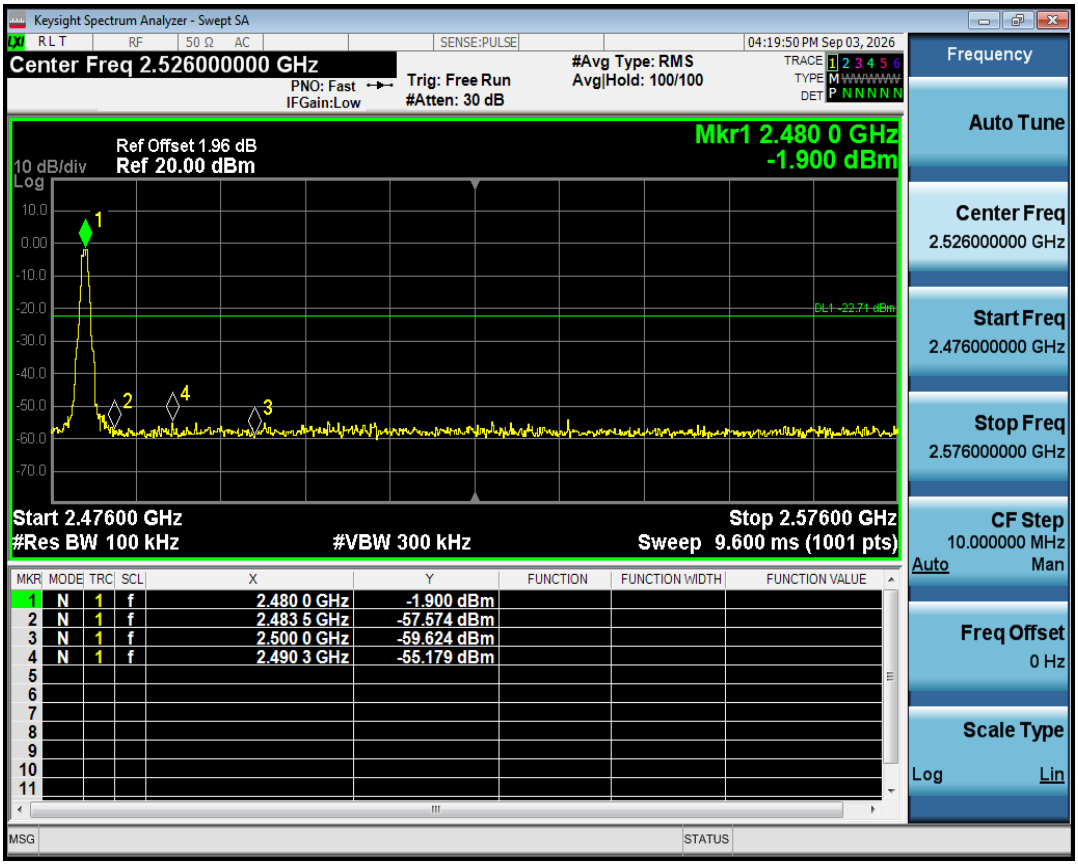
Band Edge NVNT BLE 1M 2402MHz Ant1 Ref



Band Edge NVNT BLE 1M 2402MHz Ant1 Emission



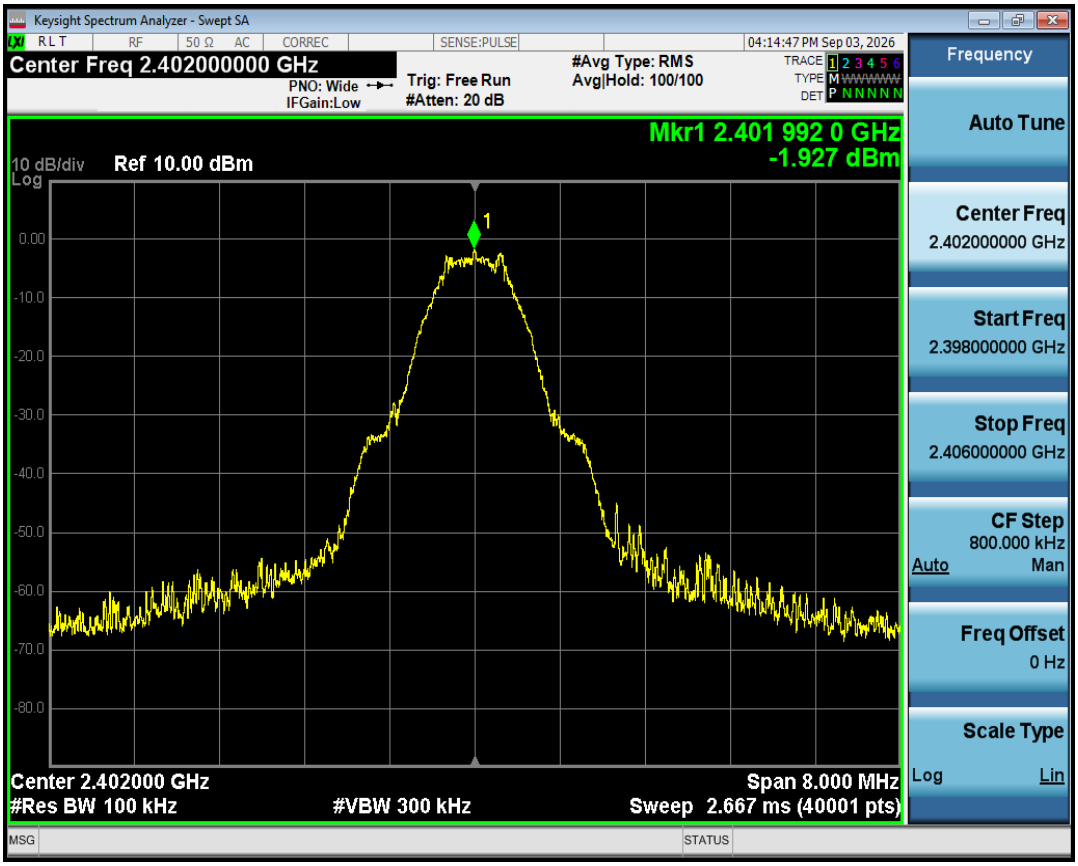
Band Edge NVNT BLE 1M 2480MHz Ant1 Ref



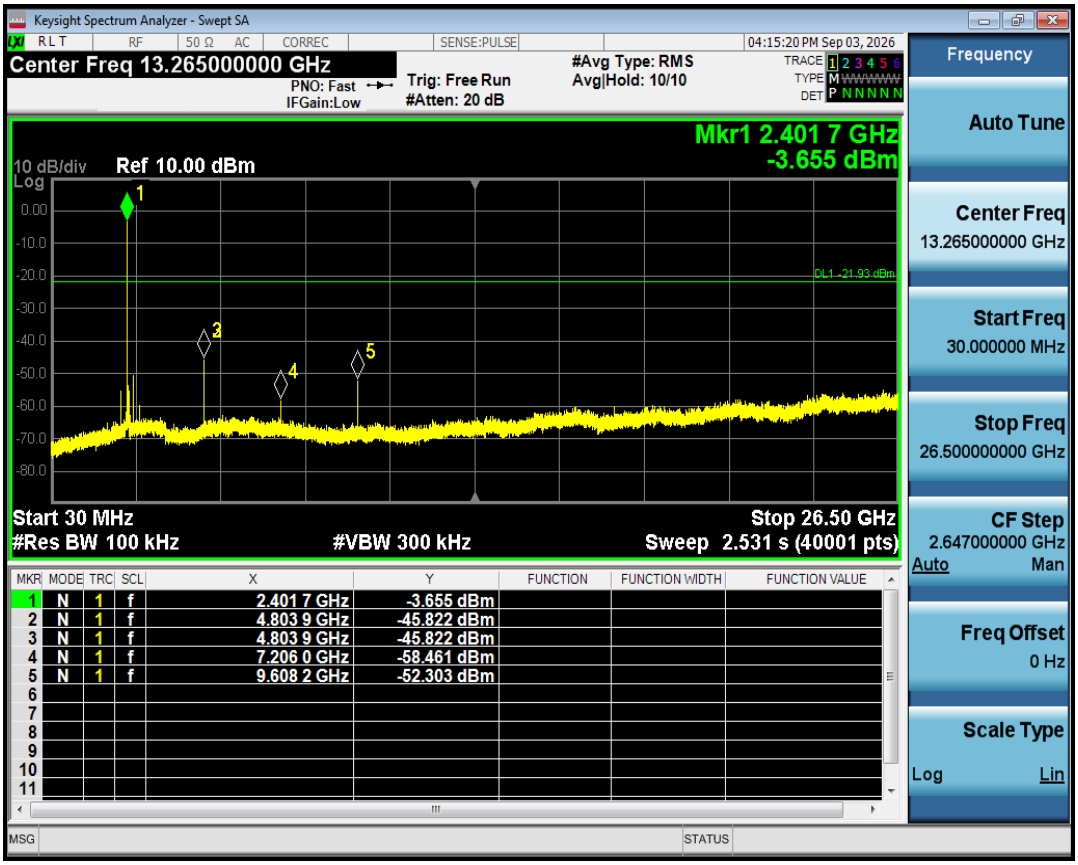
Band Edge NVNT BLE 1M 2480MHz Ant1 Emission

Conducted RF Spurious Emission

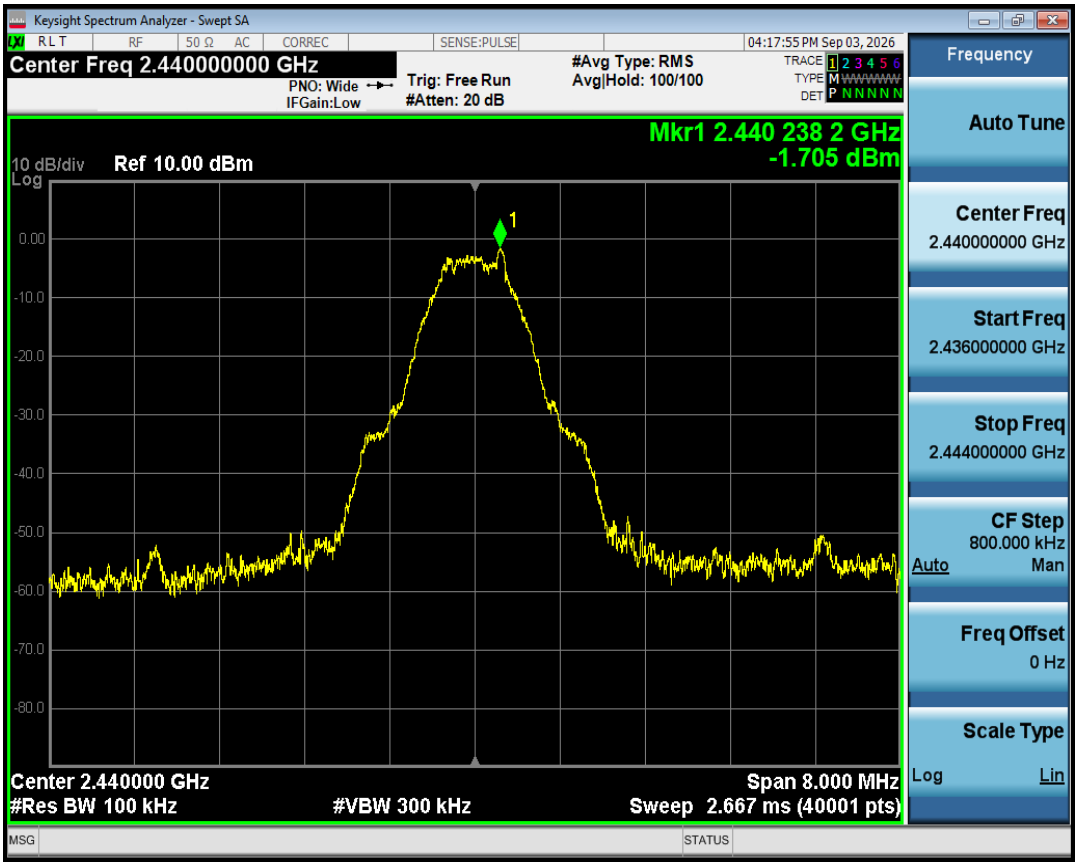
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-43.89	-20	Pass
NVNT	BLE 1M	2440	Ant1	-43.55	-20	Pass
NVNT	BLE 1M	2480	Ant1	-41.43	-20	Pass



Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Ref



Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Emission



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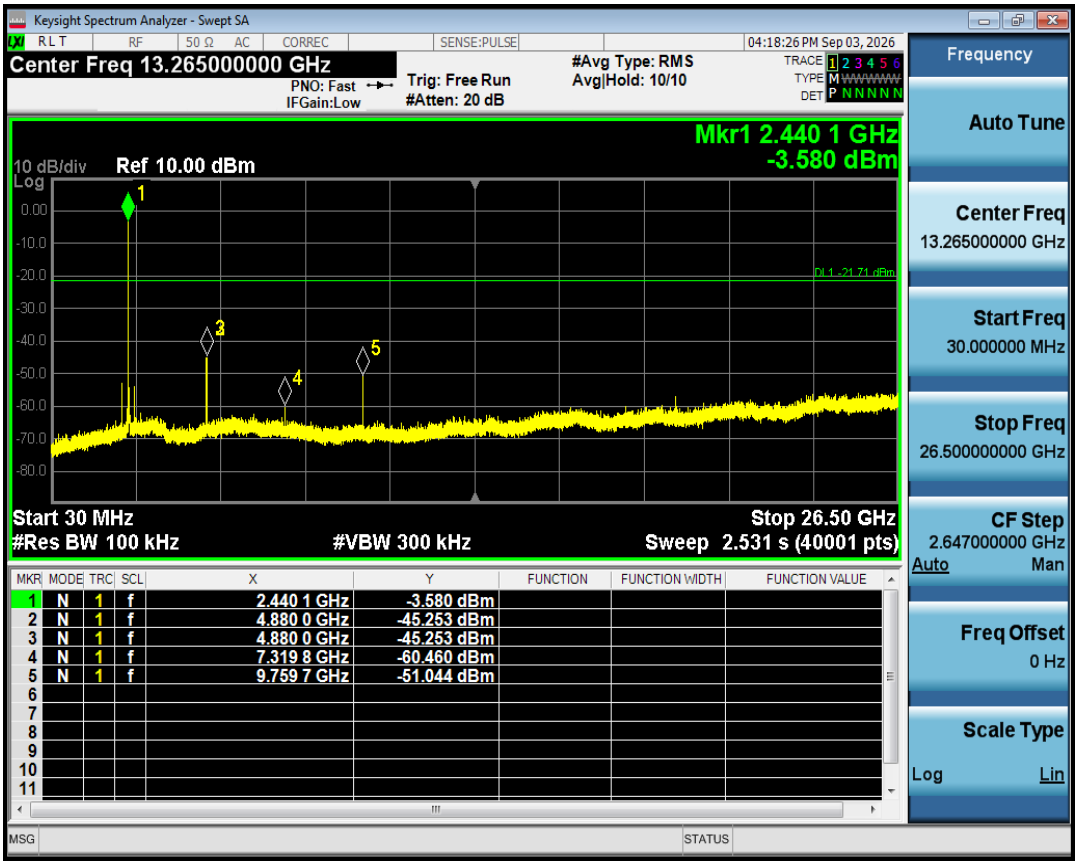

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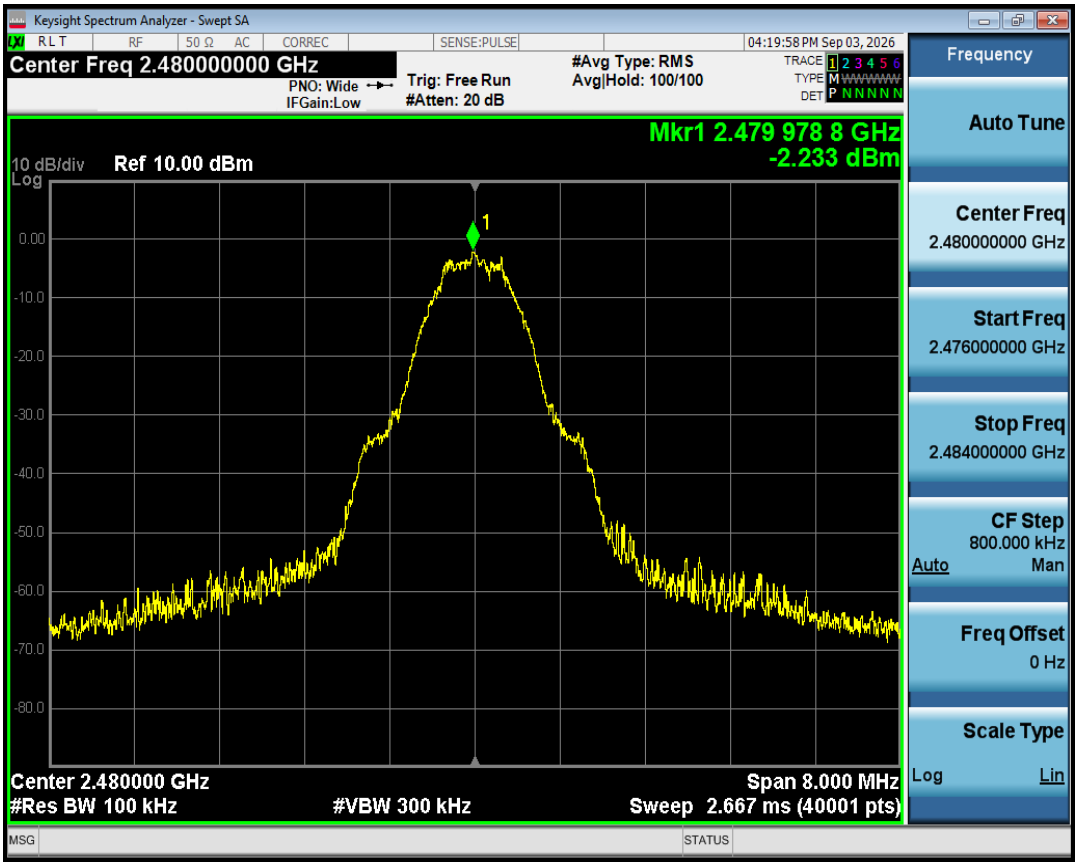

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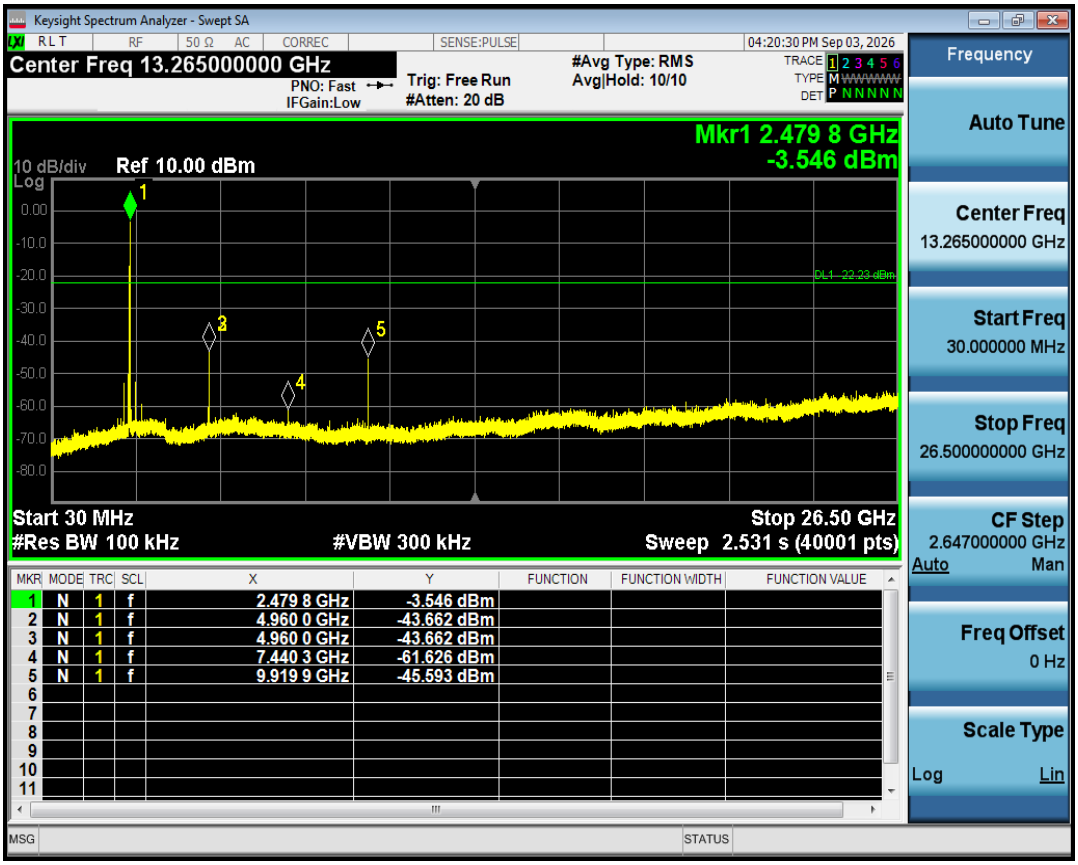

Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Emission