

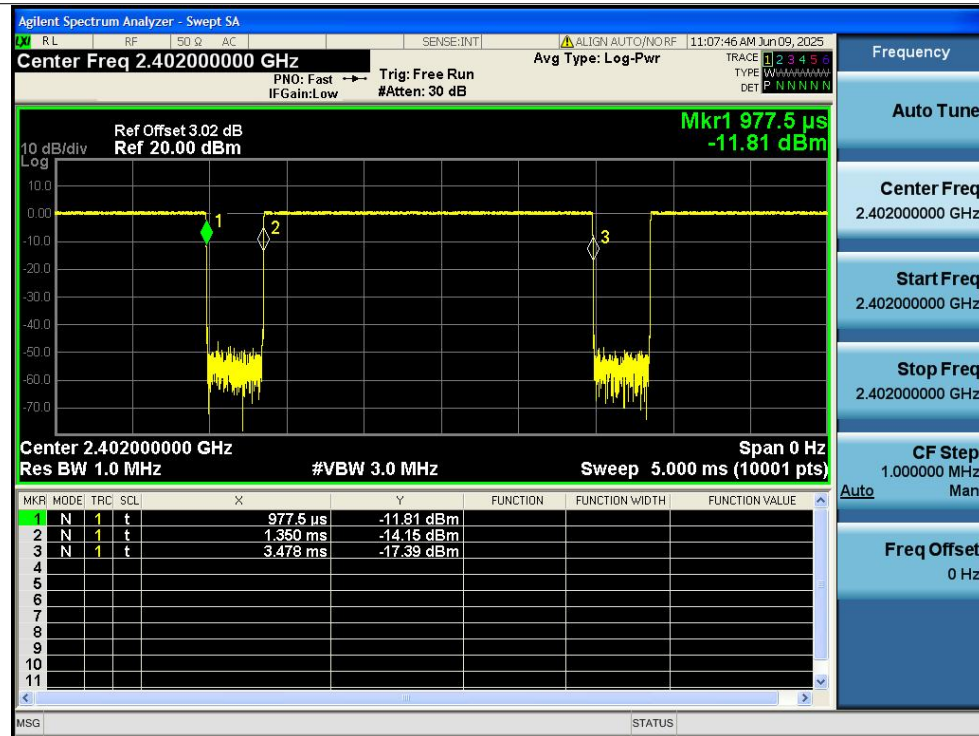
Appendix B

Duty Cycle

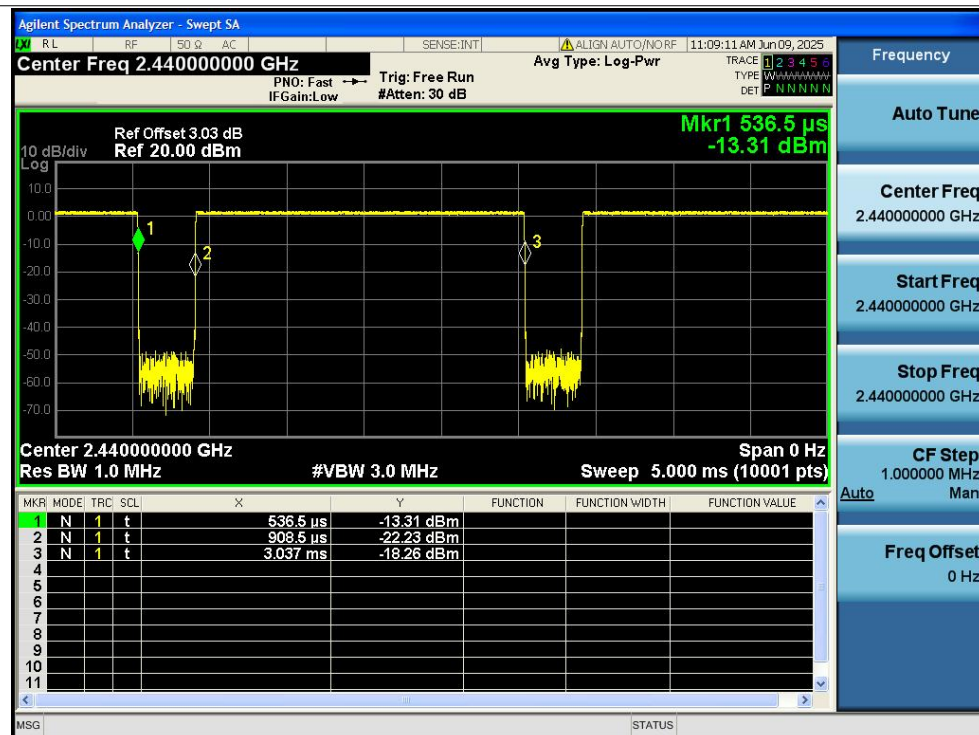
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	85.1	0.7	0.47
NVNT	BLE 1M	2440	Ant1	85.12	0.7	0.47
NVNT	BLE 1M	2480	Ant1	85.12	0.7	0.47
NVNT	BLE 2M	2404	Ant1	57.17	2.43	0.93
NVNT	BLE 2M	2440	Ant1	57.17	2.43	0.93
NVNT	BLE 2M	2478	Ant1	57.17	2.43	0.93

Test Graphs

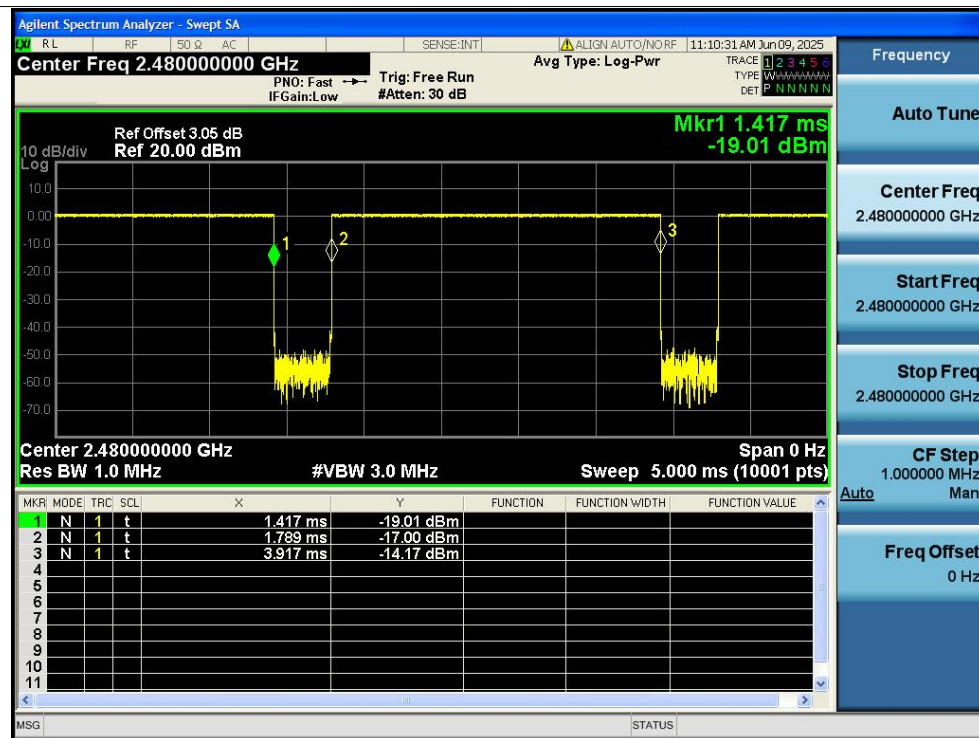
Duty Cycle NVNT BLE 1M 2402MHz Ant1



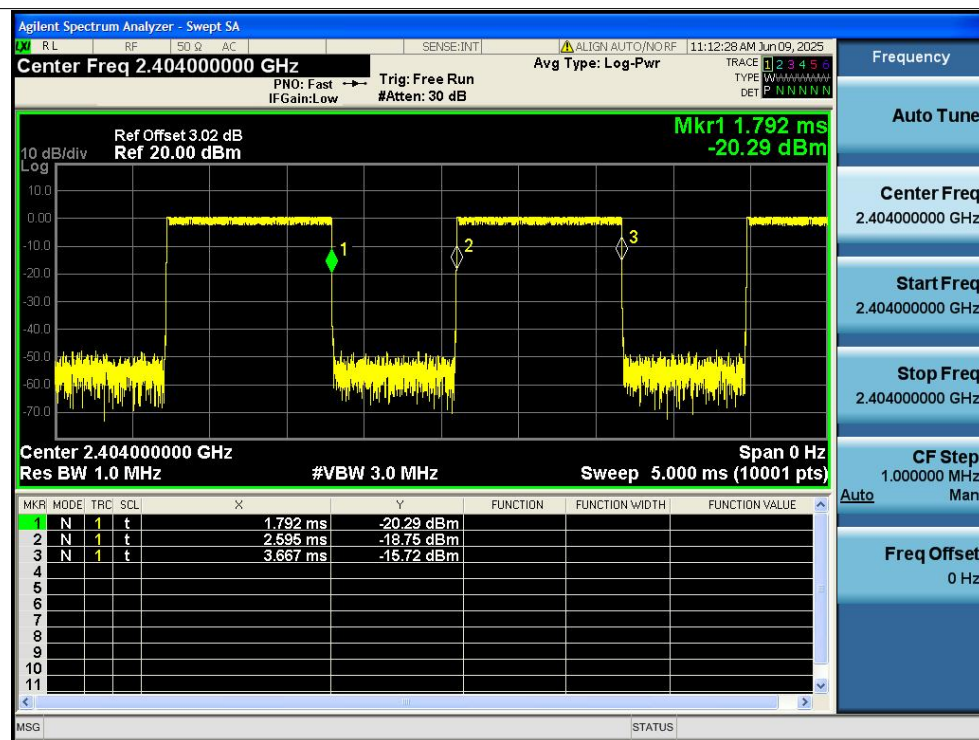
Duty Cycle NVNT BLE 1M 2440MHz Ant1



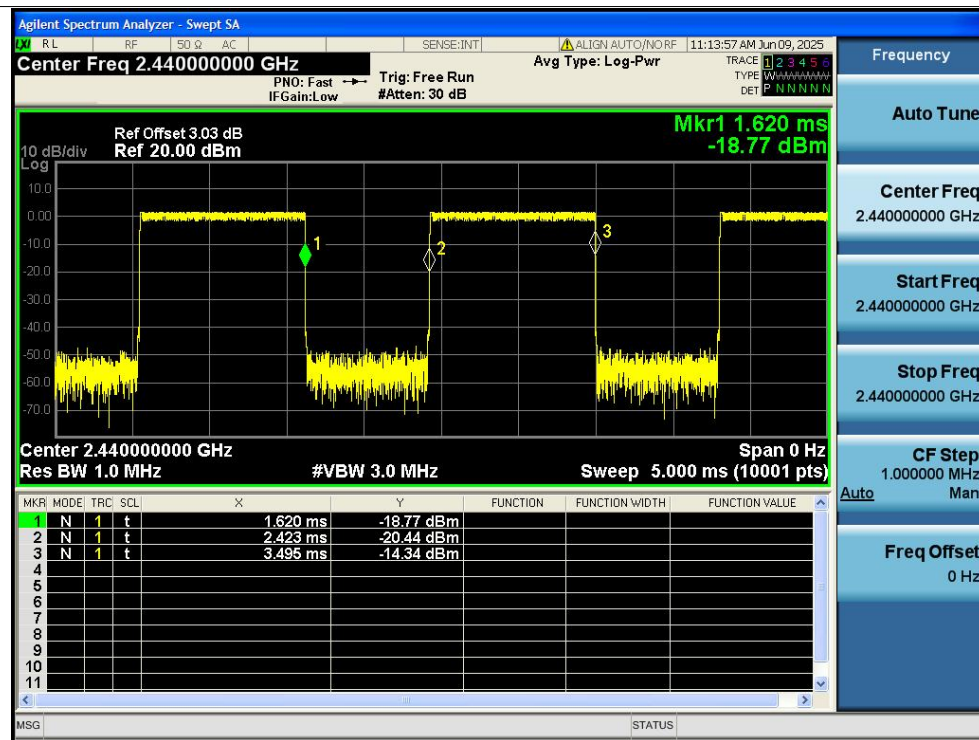
Duty Cycle NVNT BLE 1M 2480MHz Ant1



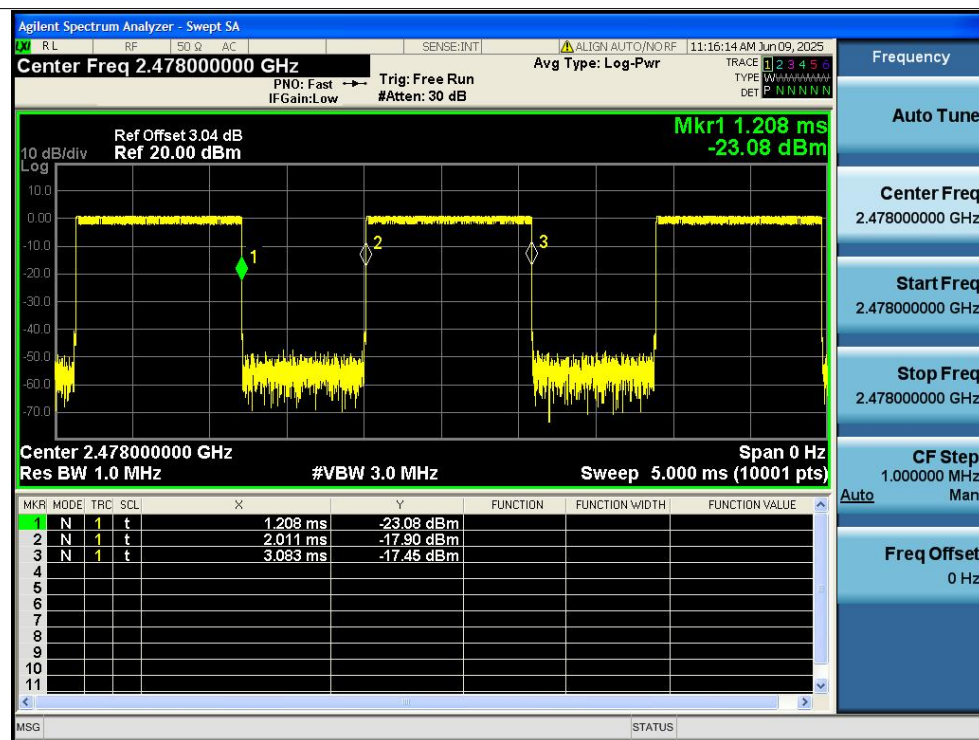
Duty Cycle NVNT BLE 2M 2404MHz Ant1



Duty Cycle NVNT BLE 2M 2440MHz Ant1



Duty Cycle NVNT BLE 2M 2478MHz Ant1



Maximum Conducted Output Power

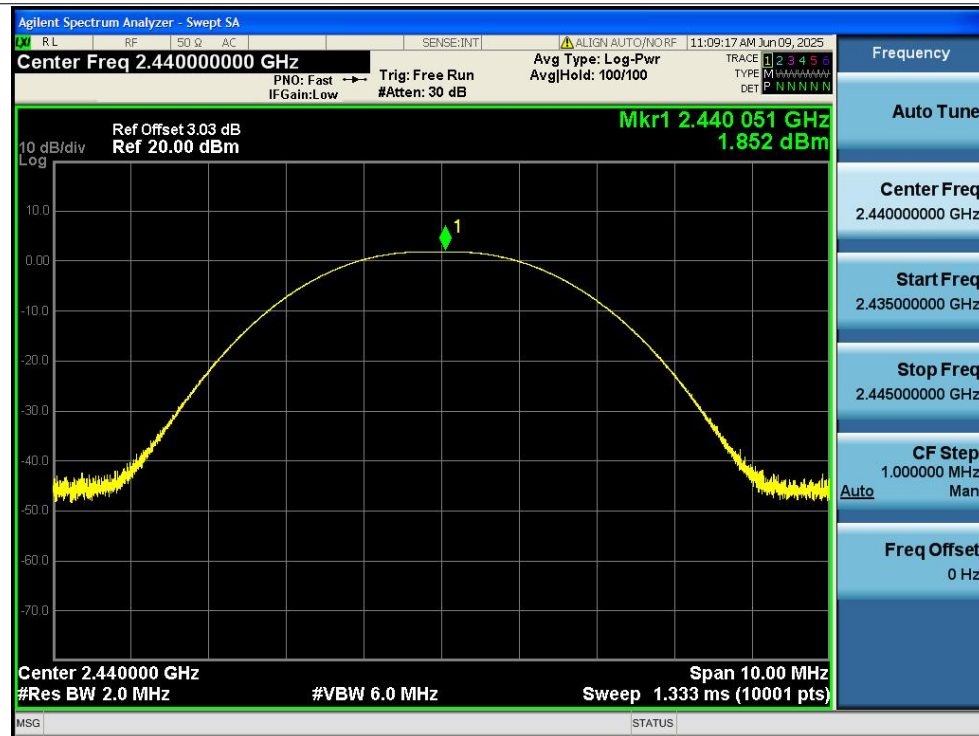
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	0.89	0	0.89	30	Pass
NVNT	BLE 1M	2440	Ant1	1.85	0	1.85	30	Pass
NVNT	BLE 1M	2480	Ant1	1.06	0	1.06	30	Pass
NVNT	BLE 2M	2404	Ant1	1.02	0	1.02	30	Pass
NVNT	BLE 2M	2440	Ant1	1.88	0	1.88	30	Pass
NVNT	BLE 2M	2478	Ant1	1.24	0	1.24	30	Pass

Test Graphs

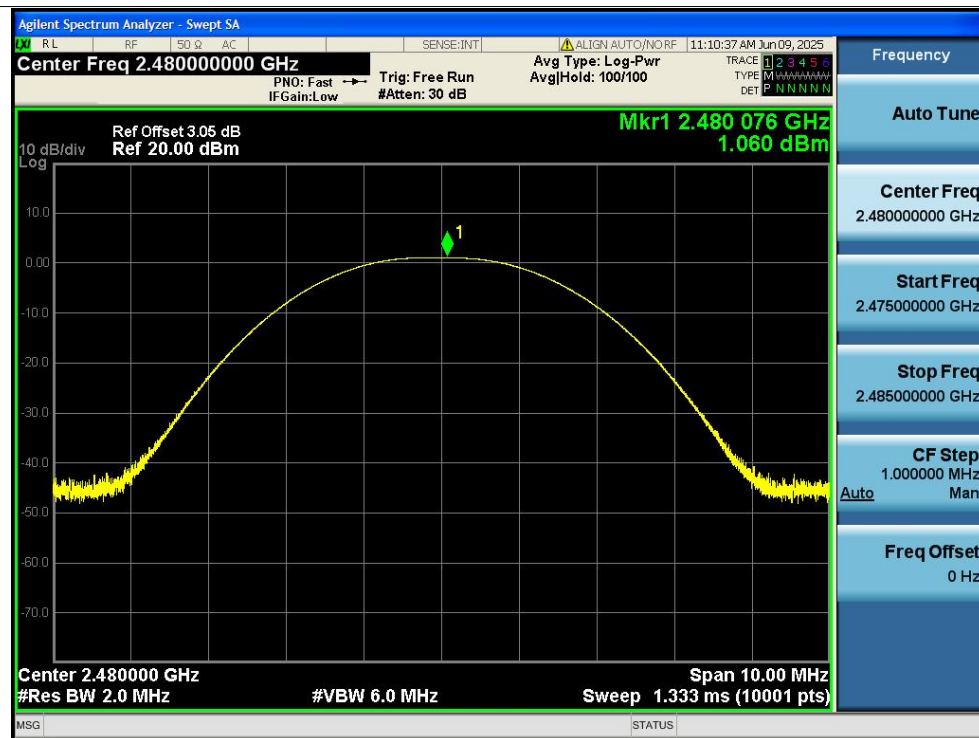
Power NVNT BLE 1M 2402MHz Ant1



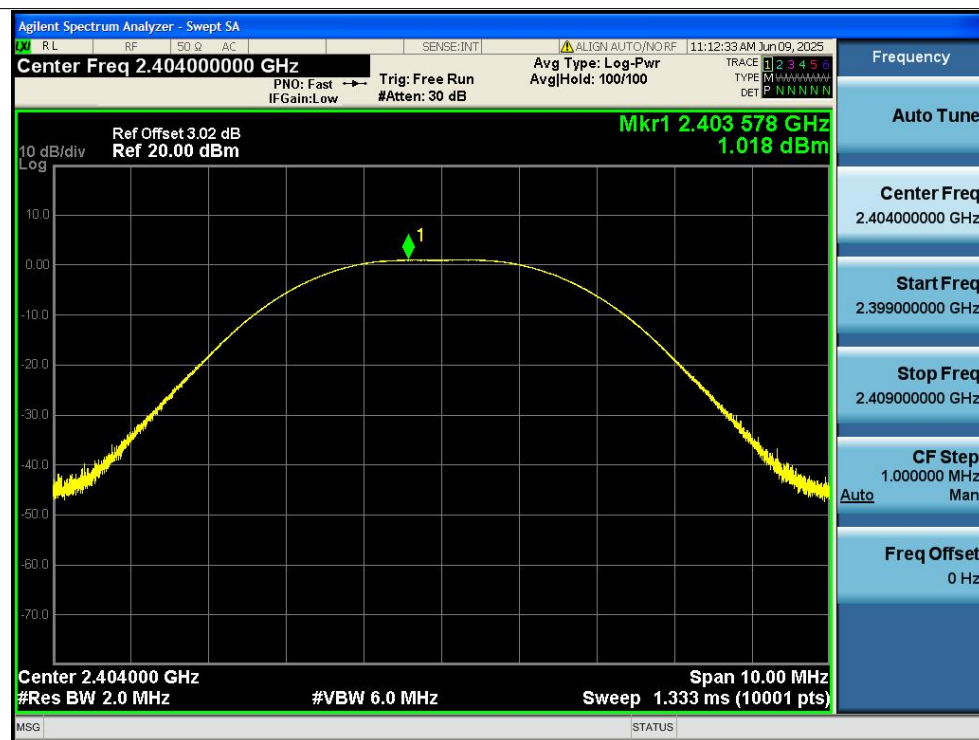
Power NVNT BLE 1M 2440MHz Ant1



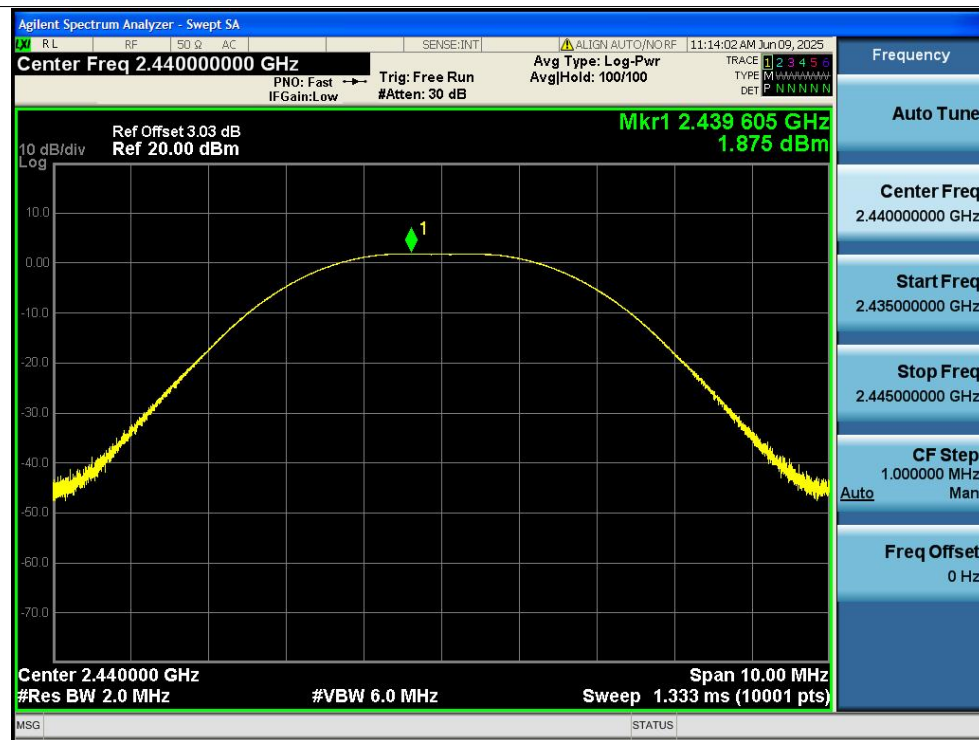
Power NVNT BLE 1M 2480MHz Ant1



Power NVNT BLE 2M 2404MHz Ant1



Power NVNT BLE 2M 2440MHz Ant1



Power NVNT BLE 2M 2478MHz Ant1



-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.651	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.712	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.66	0.5	Pass
NVNT	BLE 2M	2404	Ant1	1.137	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.138	0.5	Pass
NVNT	BLE 2M	2478	Ant1	1.166	0.5	Pass

Test Graphs

-6dB Bandwidth NVNT BLE 1M 2402MHz Ant1



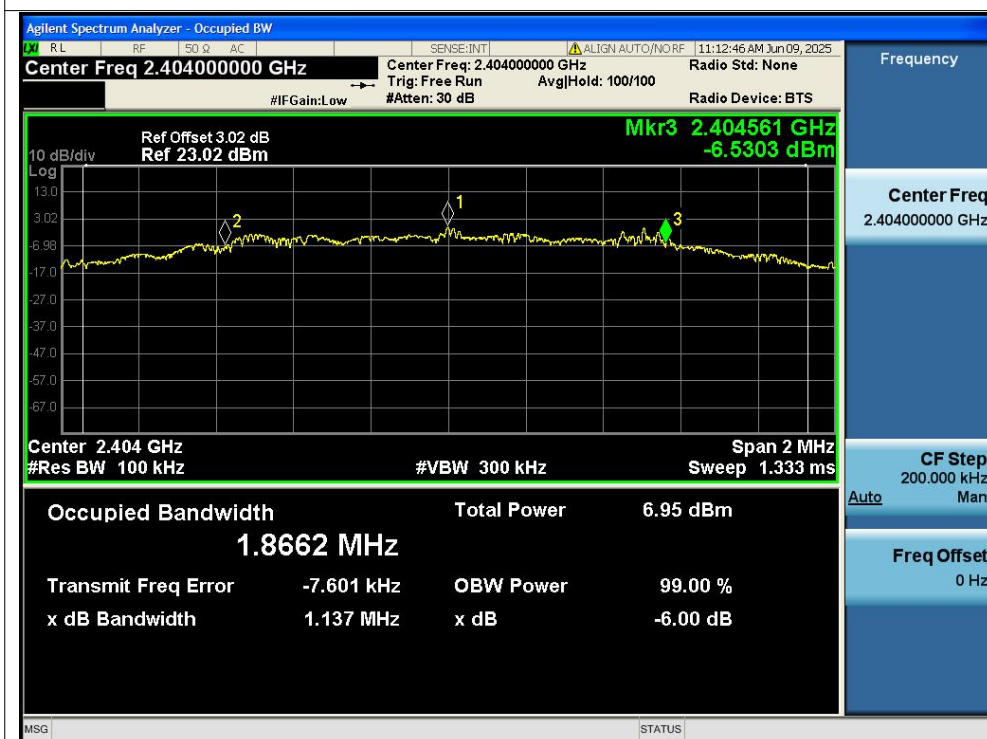
-6dB Bandwidth NVNT BLE 1M 2440MHz Ant1

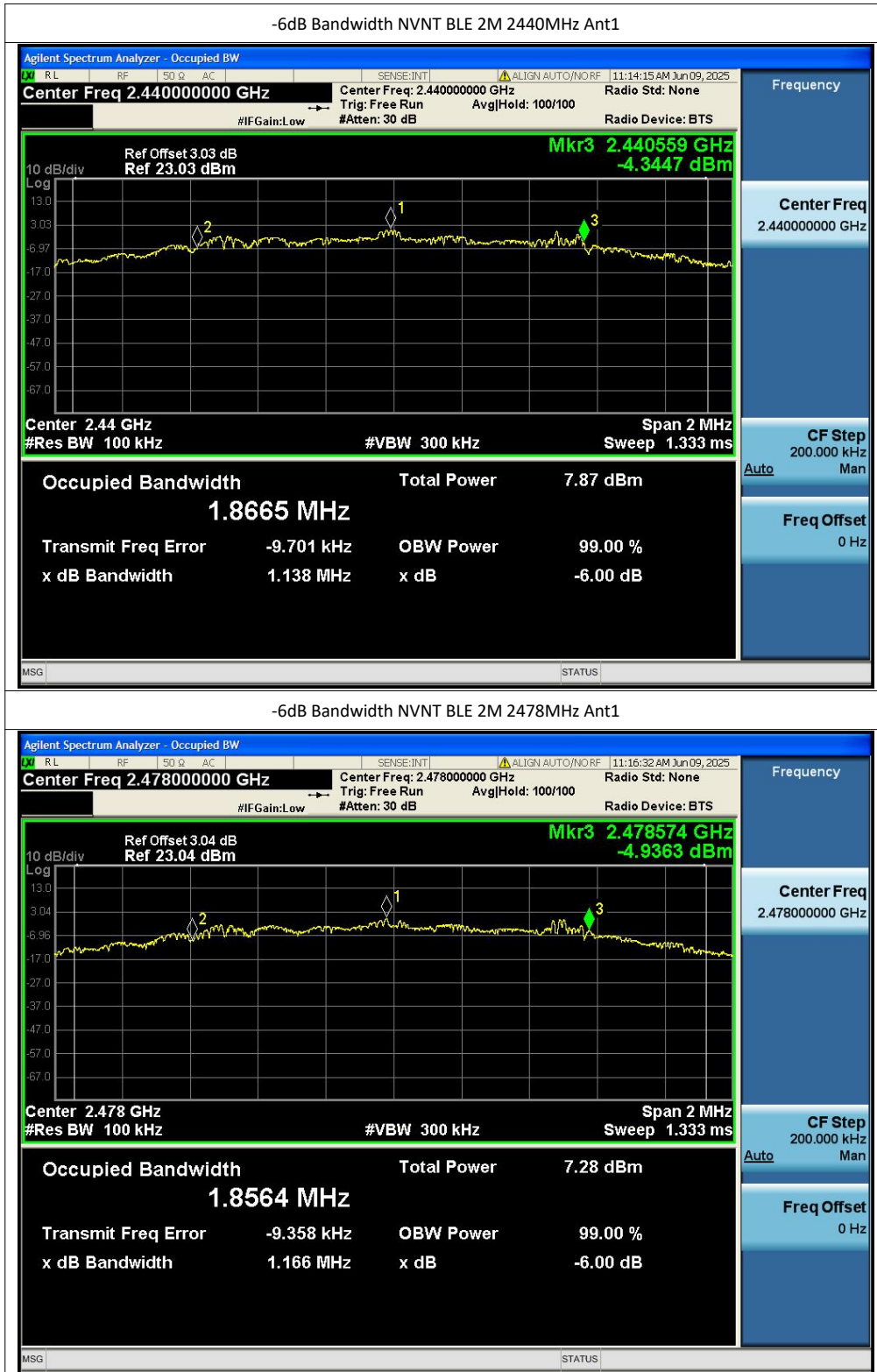


-6dB Bandwidth NVNT BLE 1M 2480MHz Ant1



-6dB Bandwidth NVNT BLE 2M 2404MHz Ant1



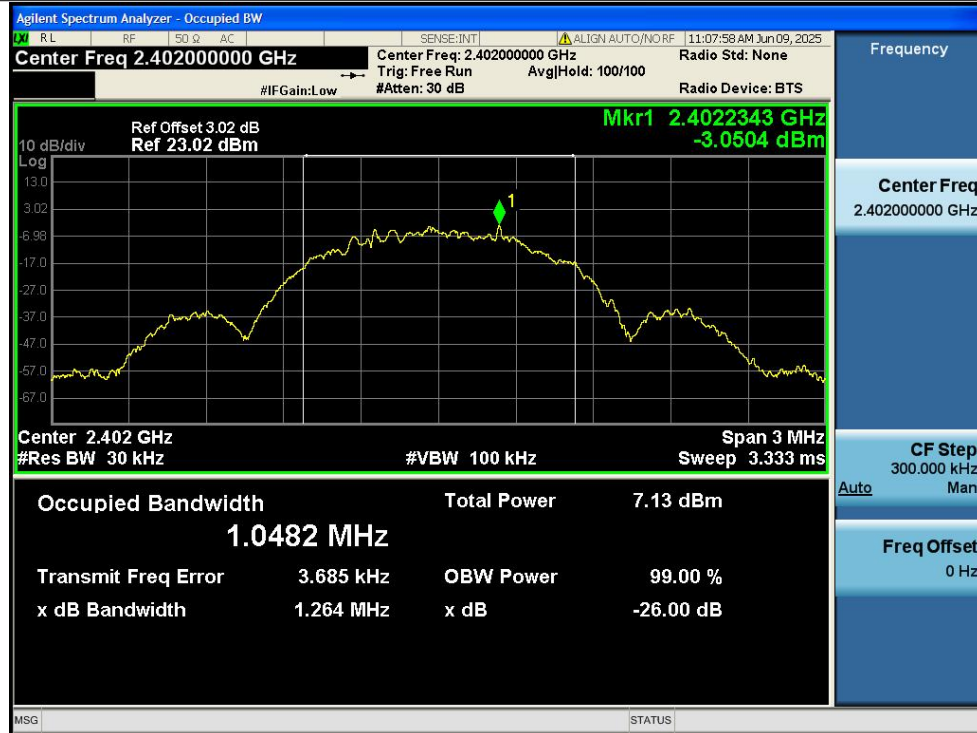


Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.048
NVNT	BLE 1M	2440	Ant1	1.042
NVNT	BLE 1M	2480	Ant1	1.047
NVNT	BLE 2M	2404	Ant1	2.07
NVNT	BLE 2M	2440	Ant1	2.068
NVNT	BLE 2M	2478	Ant1	2.07

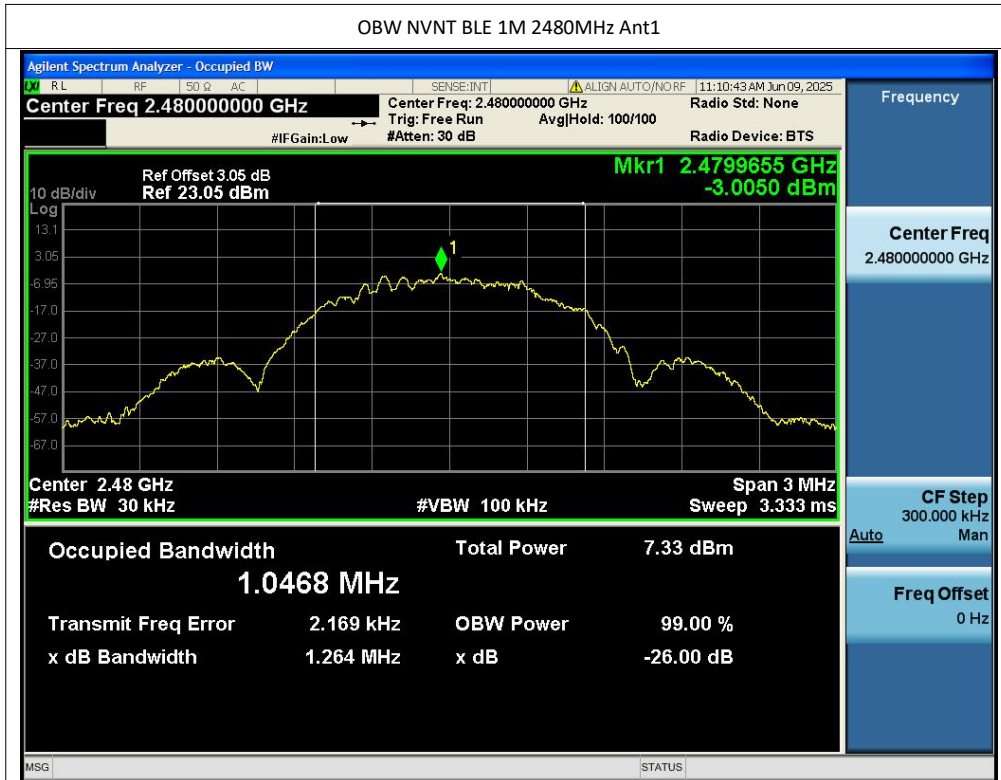
Test Graphs

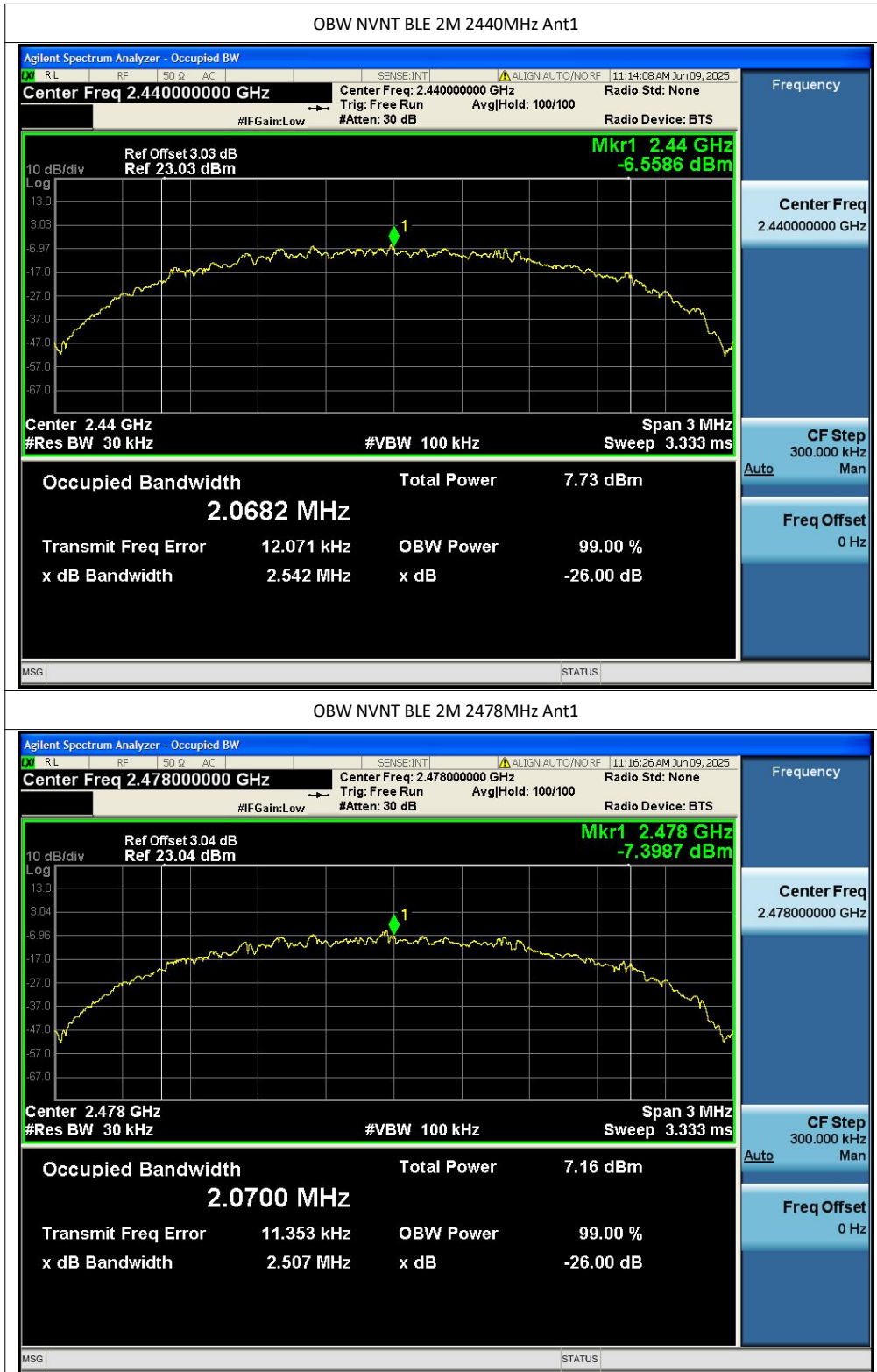
OBW NVNT BLE 1M 2402MHz Ant1



OBW NVNT BLE 1M 2440MHz Ant1







Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.66	0	0.66	8	Pass
NVNT	BLE 1M	2440	Ant1	1.32	0	1.32	8	Pass
NVNT	BLE 1M	2480	Ant1	0.81	0	0.81	8	Pass
NVNT	BLE 2M	2404	Ant1	0.01	0	0.01	8	Pass
NVNT	BLE 2M	2440	Ant1	0.52	0	0.52	8	Pass
NVNT	BLE 2M	2478	Ant1	-0.16	0	-0.16	8	Pass

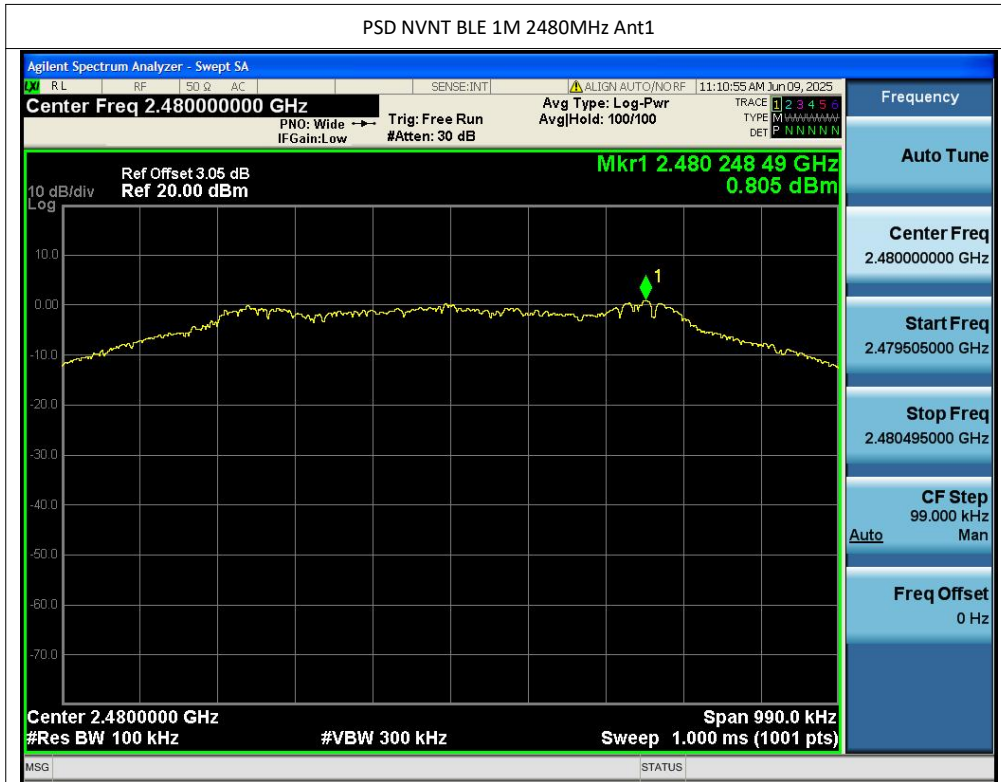
Test Graphs

PSD NVNT BLE 1M 2402MHz Ant1



PSD NVNT BLE 1M 2440MHz Ant1





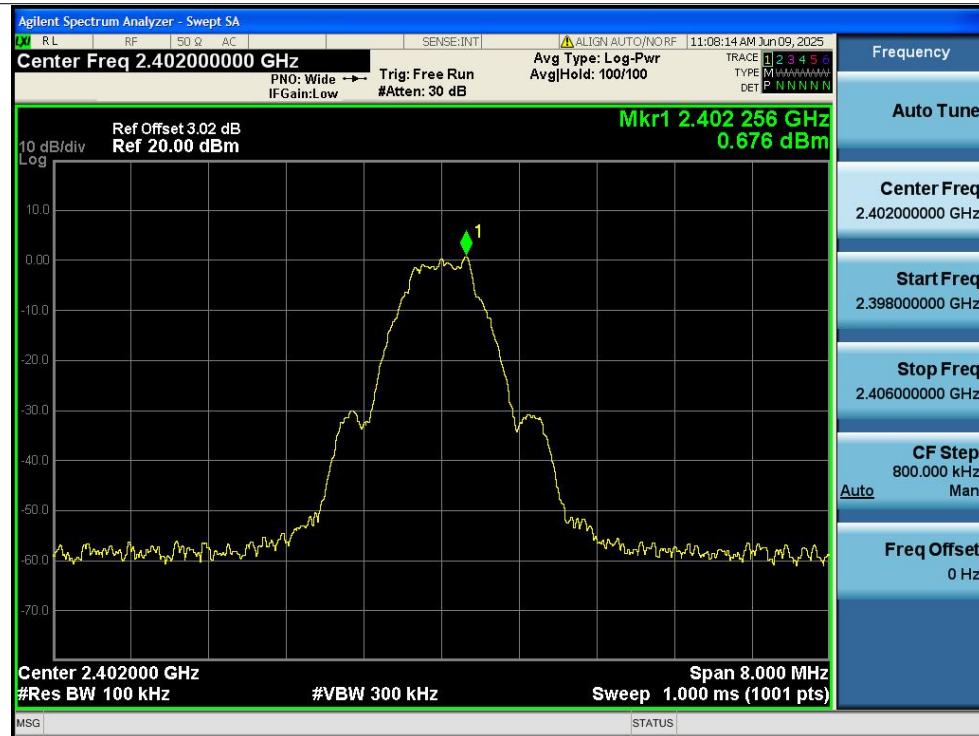


Band Edge

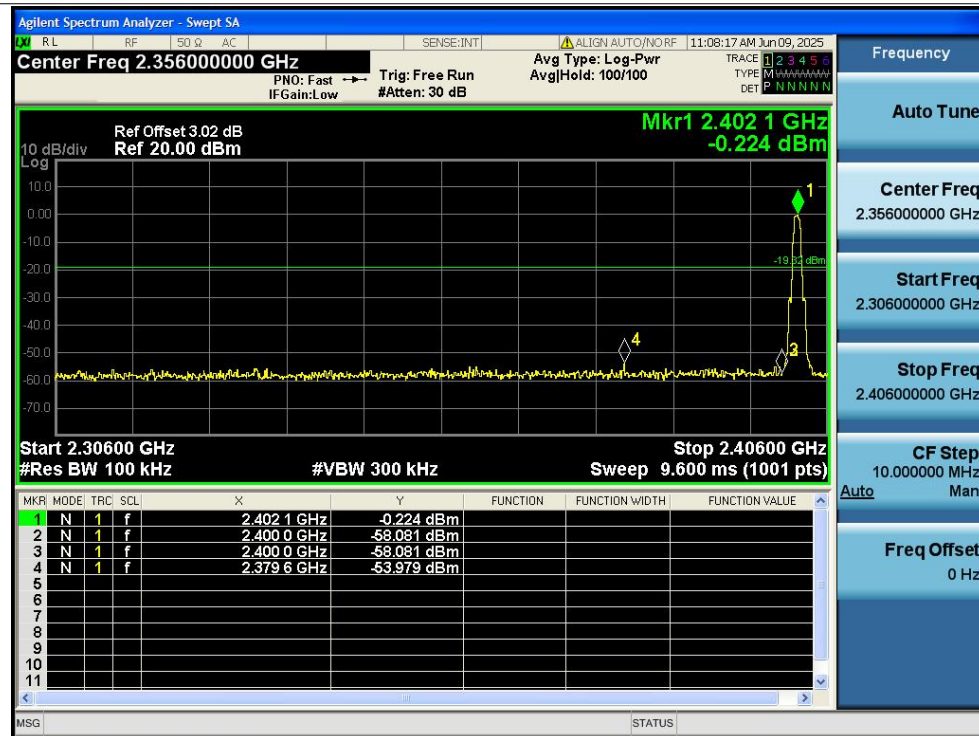
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-54.65	-20	Pass
NVNT	BLE 1M	2480	Ant1	-55.2	-20	Pass
NVNT	BLE 2M	2404	Ant1	-52.94	-20	Pass
NVNT	BLE 2M	2478	Ant1	-55.05	-20	Pass

Test Graphs

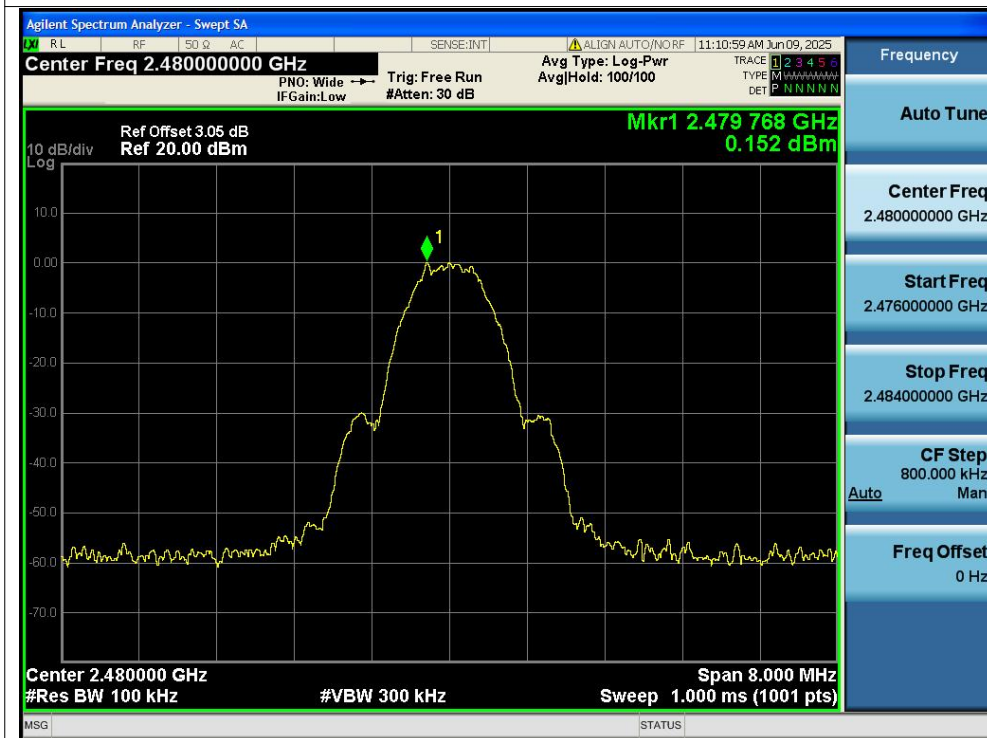
Band Edge NVNT BLE 1M 2402MHz Ant1 Ref



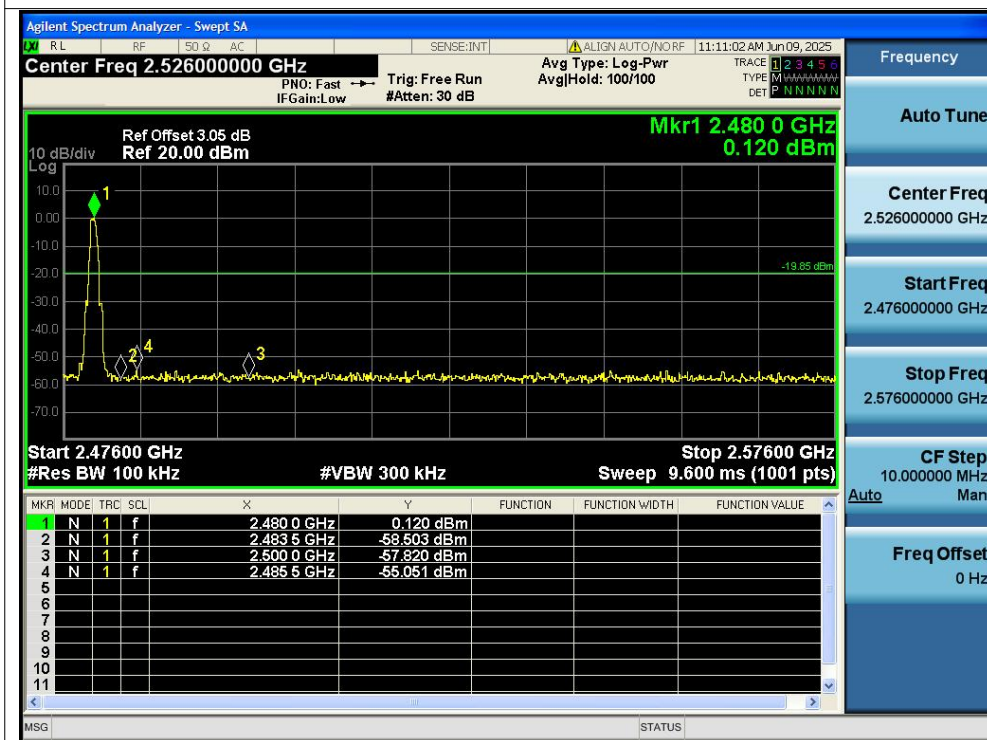
Band Edge NVNT BLE 1M 2402MHz Ant1 Emission



Band Edge NVNT BLE 1M 2480MHz Ant1 Ref



Band Edge NVNT BLE 1M 2480MHz Ant1 Emission



Band Edge NVNT BLE 2M 2404MHz Ant1 Ref



Band Edge NVNT BLE 2M 2404MHz Ant1 Emission

