

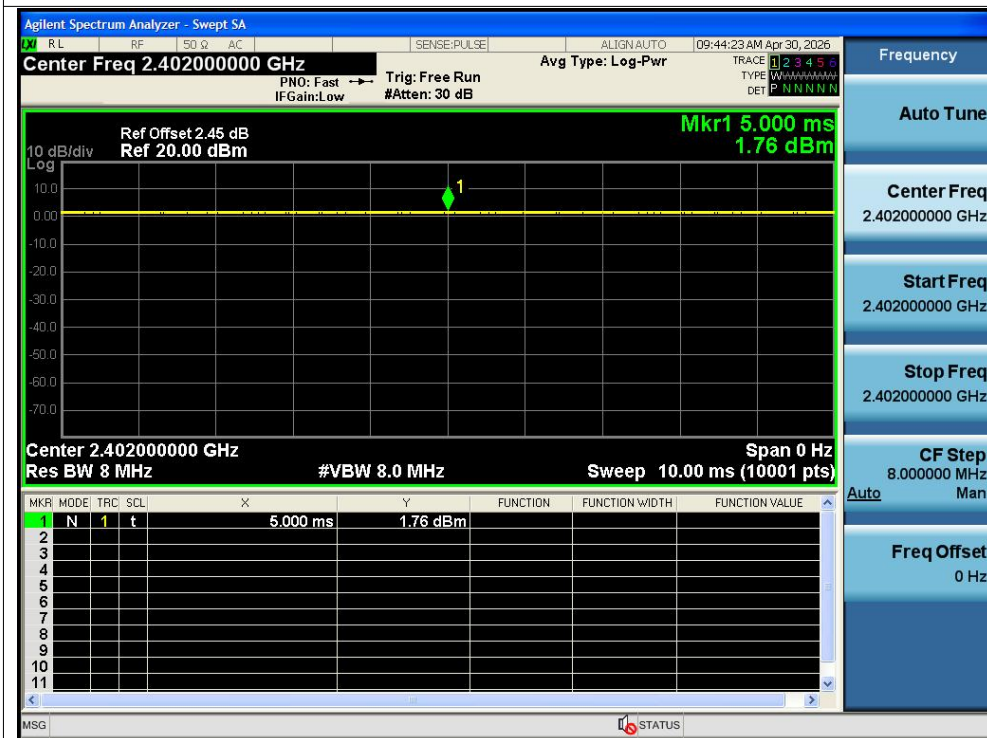
Appendix D BLE

Duty Cycle

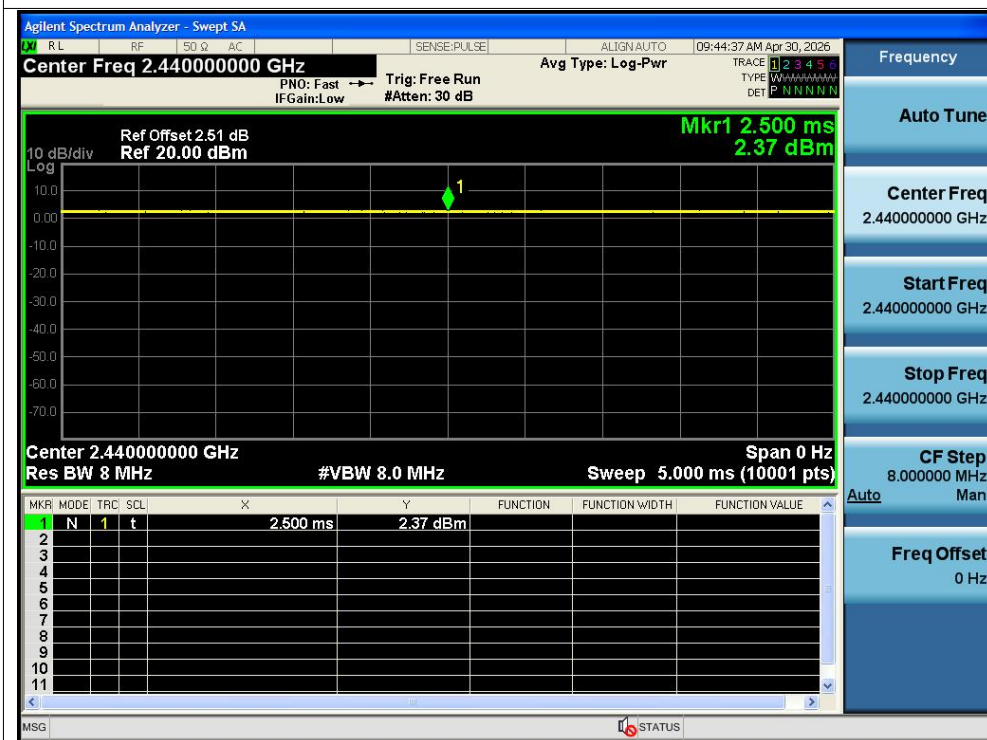
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	100	0	0.01
NVNT	BLE 1M	2440	Ant1	100	0	0.01
NVNT	BLE 1M	2480	Ant1	100	0	0.01
NVNT	BLE 2M	2402	Ant1	100	0	0.01
NVNT	BLE 2M	2440	Ant1	100	0	0.01
NVNT	BLE 2M	2480	Ant1	100	0	0.01

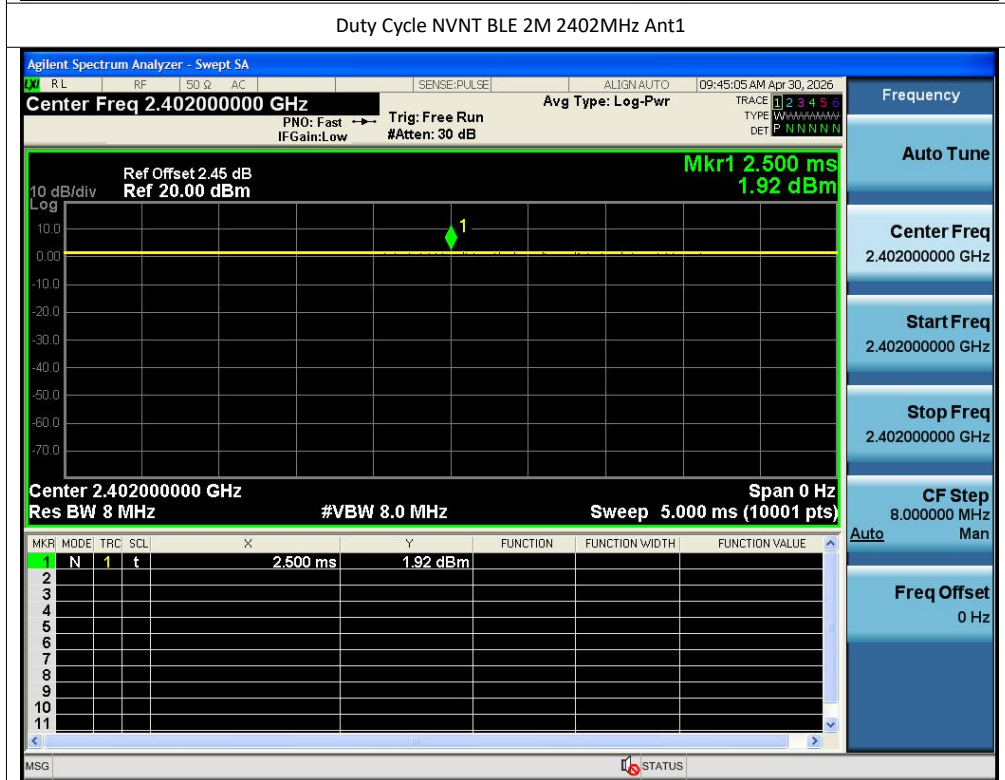
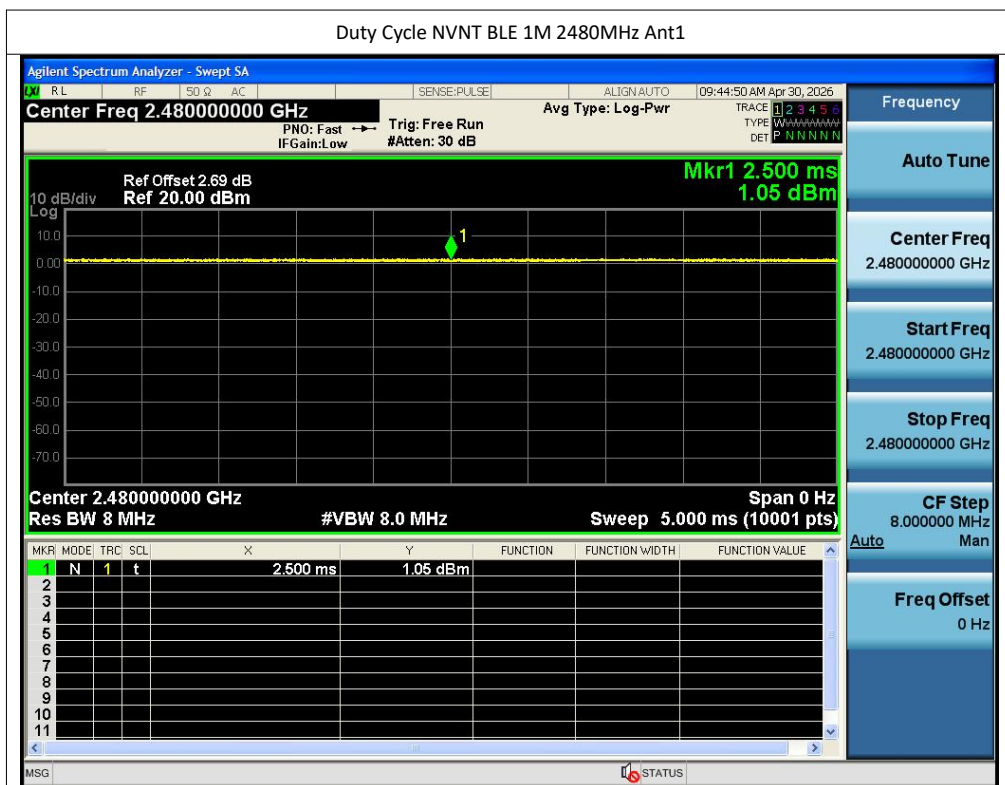
Test Graphs

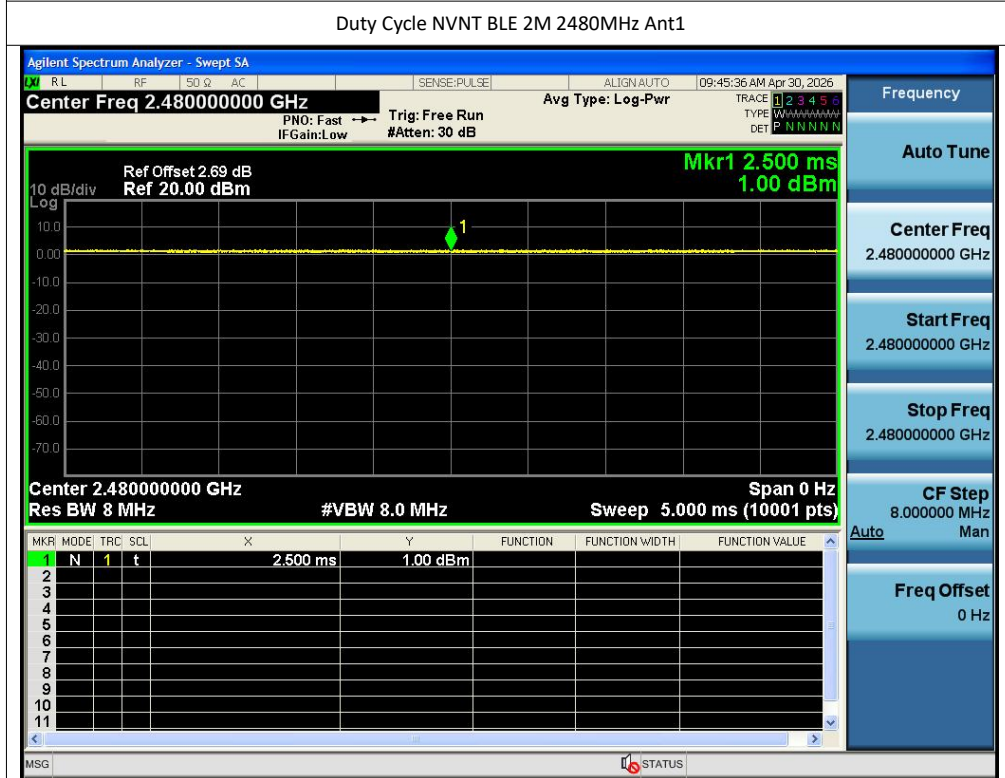
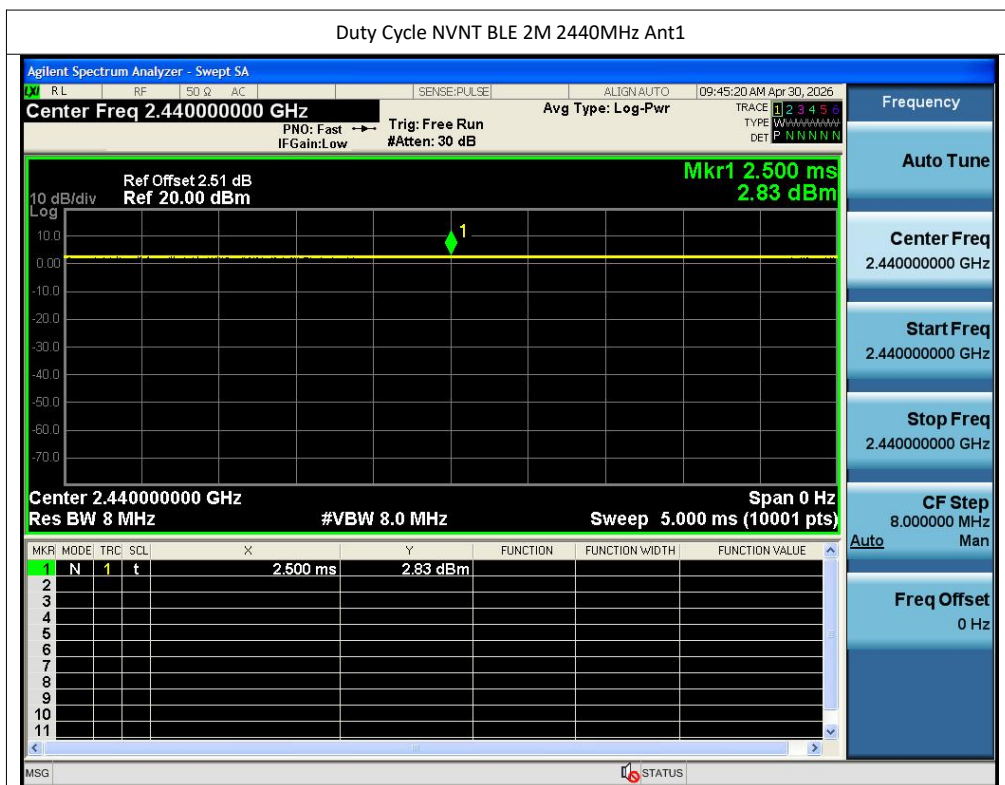
Duty Cycle NVNT BLE 1M 2402MHz Ant1



Duty Cycle NVNT BLE 1M 2440MHz Ant1





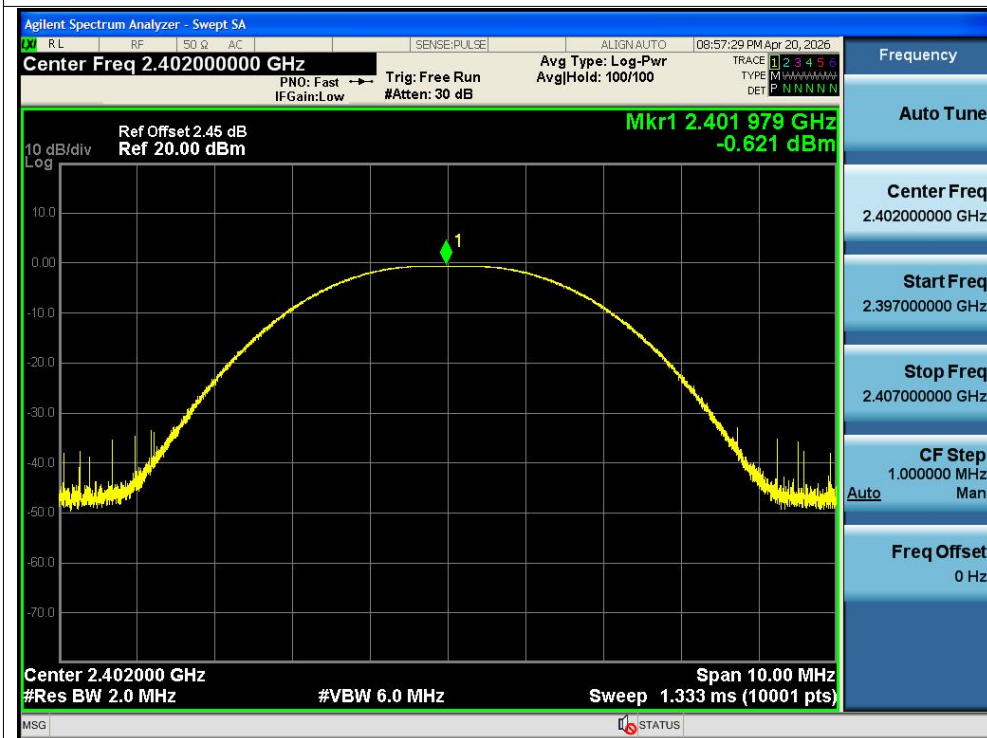


Maximum Conducted Output Power

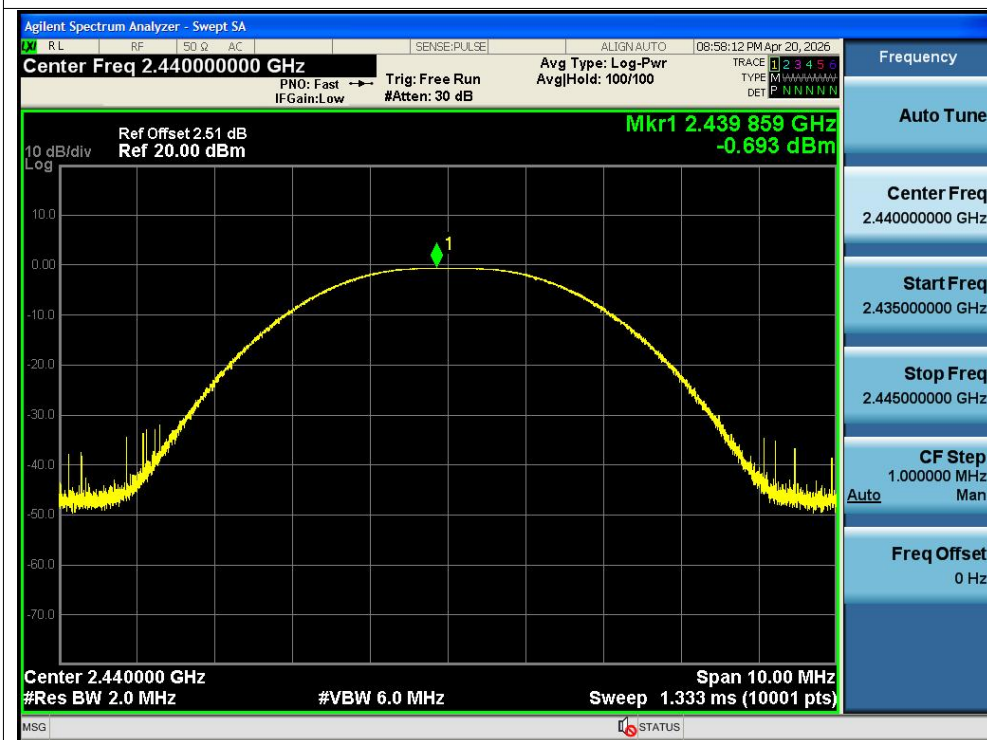
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-0.62	0	-0.62	30	Pass
NVNT	BLE 1M	2440	Ant1	-0.69	0	-0.69	30	Pass
NVNT	BLE 1M	2480	Ant1	-0.94	0	-0.94	30	Pass
NVNT	BLE 2M	2402	Ant1	-0.68	0	-0.68	30	Pass
NVNT	BLE 2M	2440	Ant1	-0.7	0	-0.7	30	Pass
NVNT	BLE 2M	2480	Ant1	-0.92	0	-0.92	30	Pass

Test Graphs

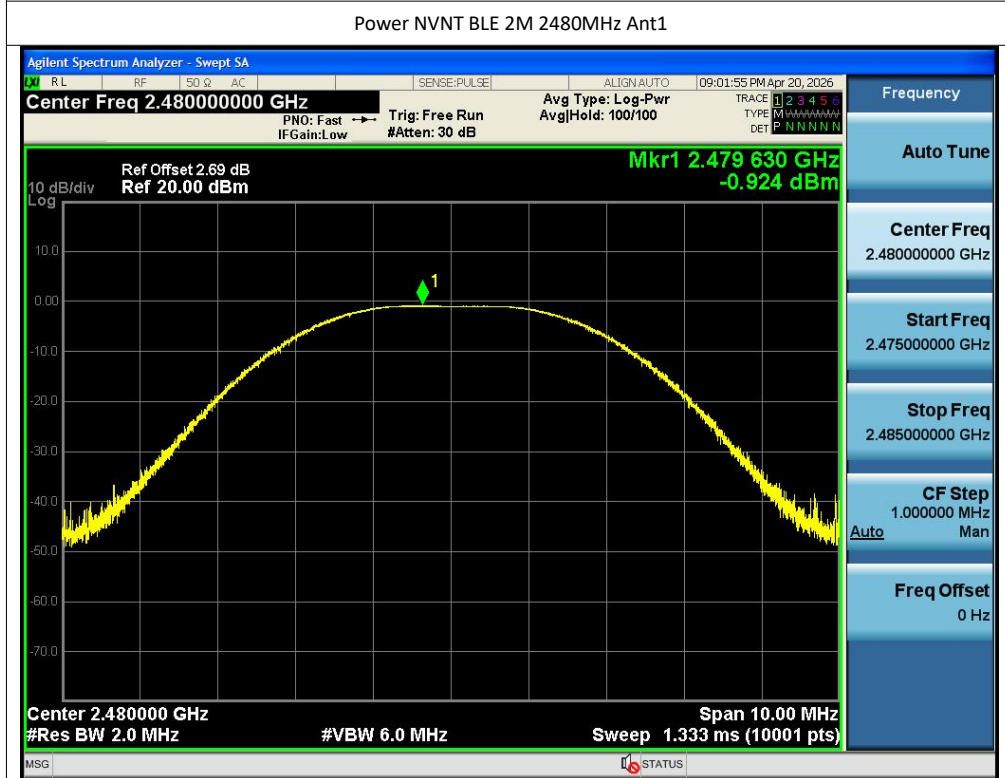
Power NVNT BLE 1M 2402MHz Ant1



Power NVNT BLE 1M 2440MHz Ant1



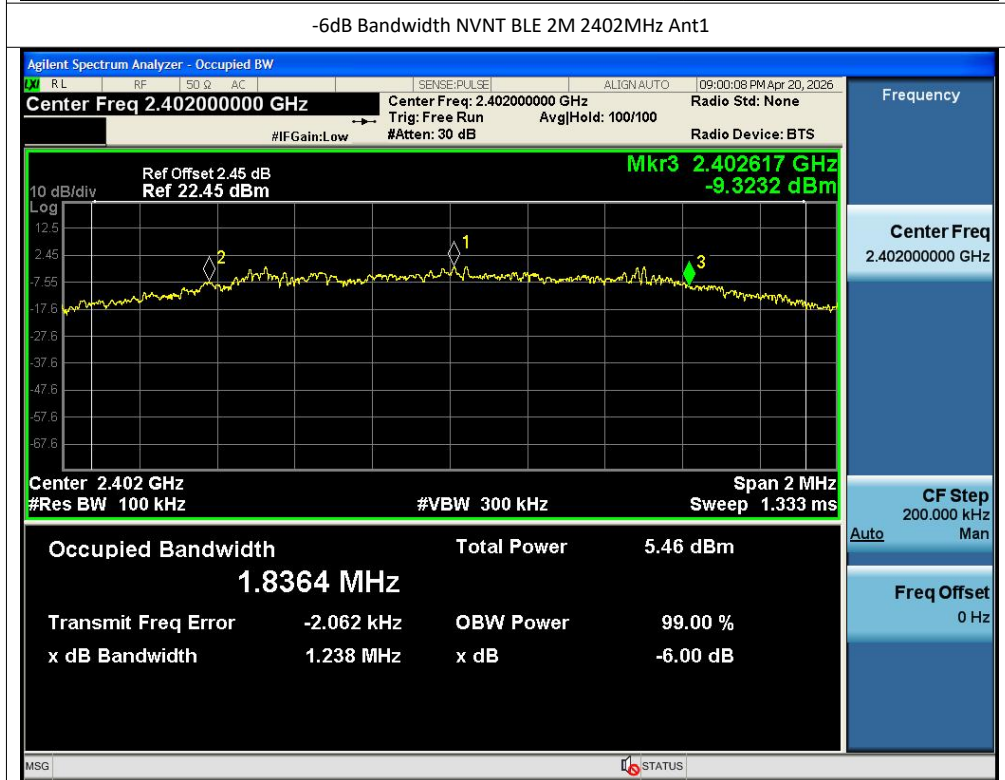


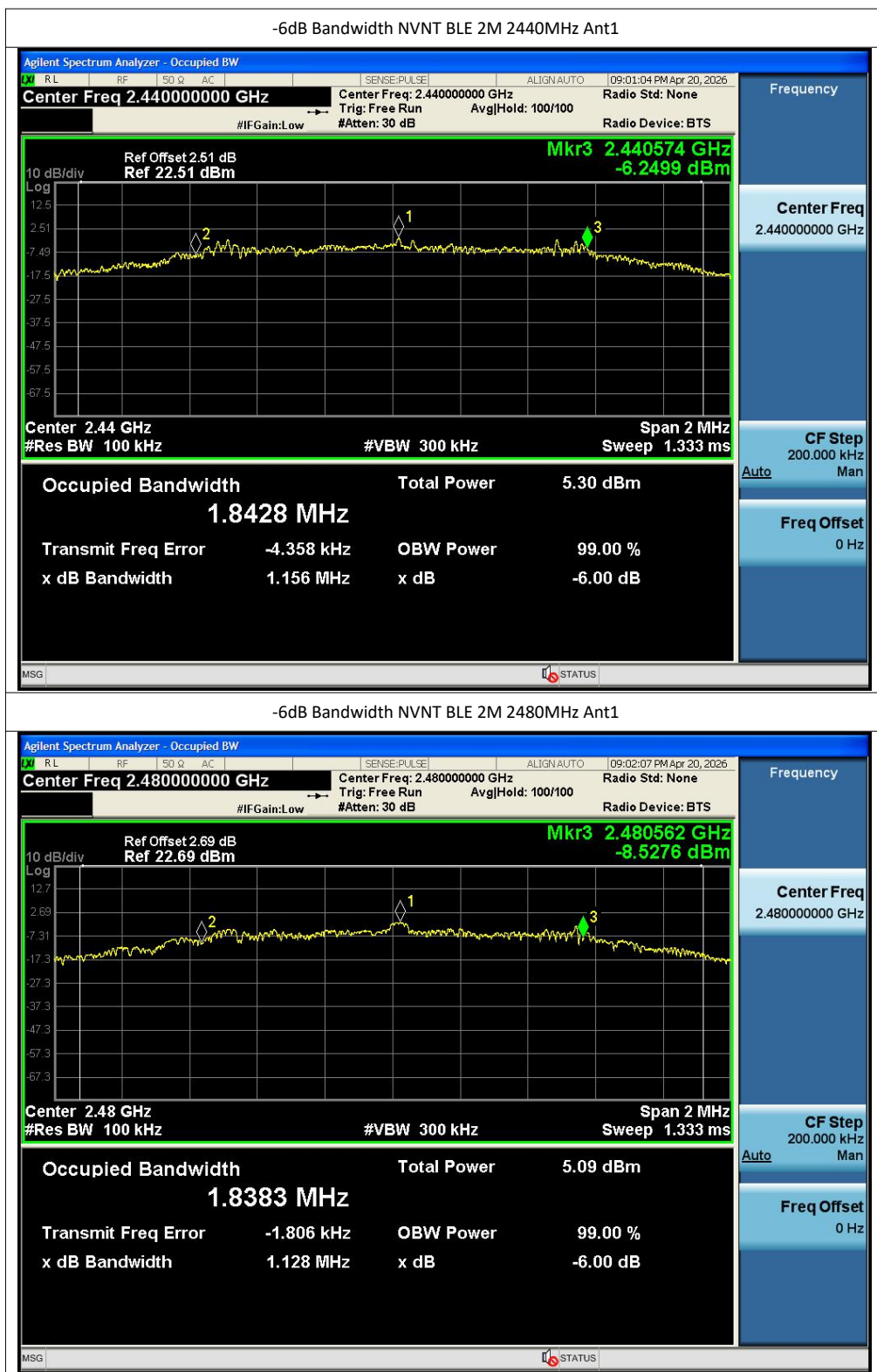


-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.7179	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.7239	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.7178	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.238	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.156	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.128	0.5	Pass







Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.1257
NVNT	BLE 1M	2440	Ant1	1.1408
NVNT	BLE 1M	2480	Ant1	1.1584
NVNT	BLE 2M	2402	Ant1	2.0878
NVNT	BLE 2M	2440	Ant1	2.1063
NVNT	BLE 2M	2480	Ant1	2.0911

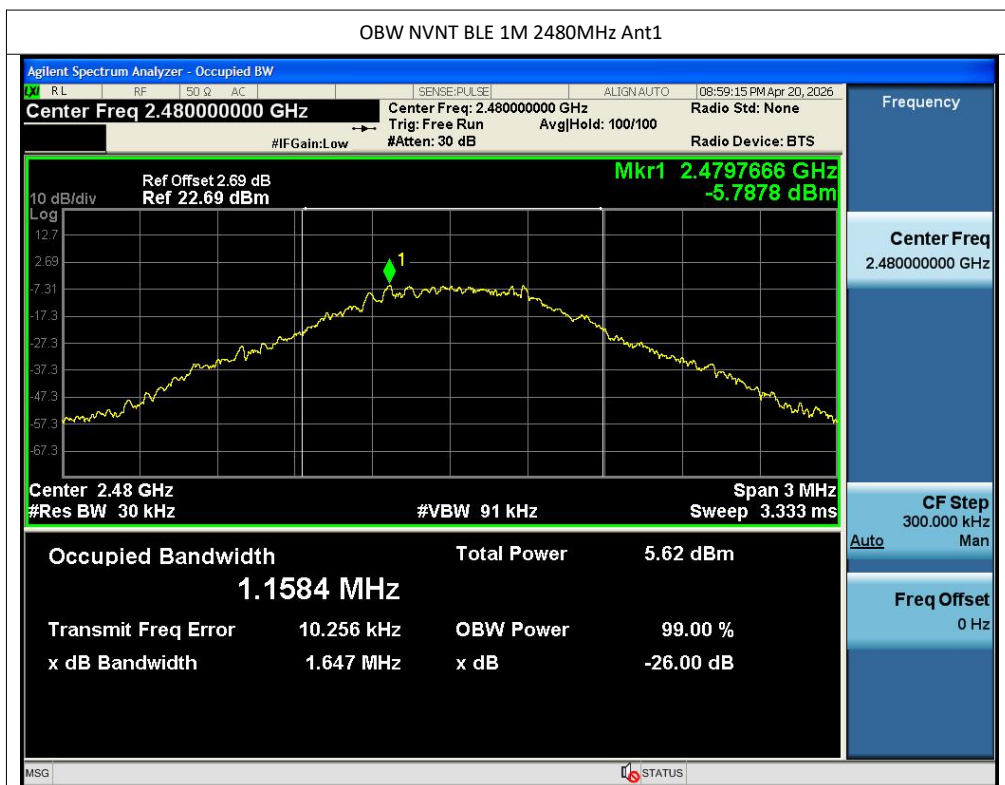
Test Graphs

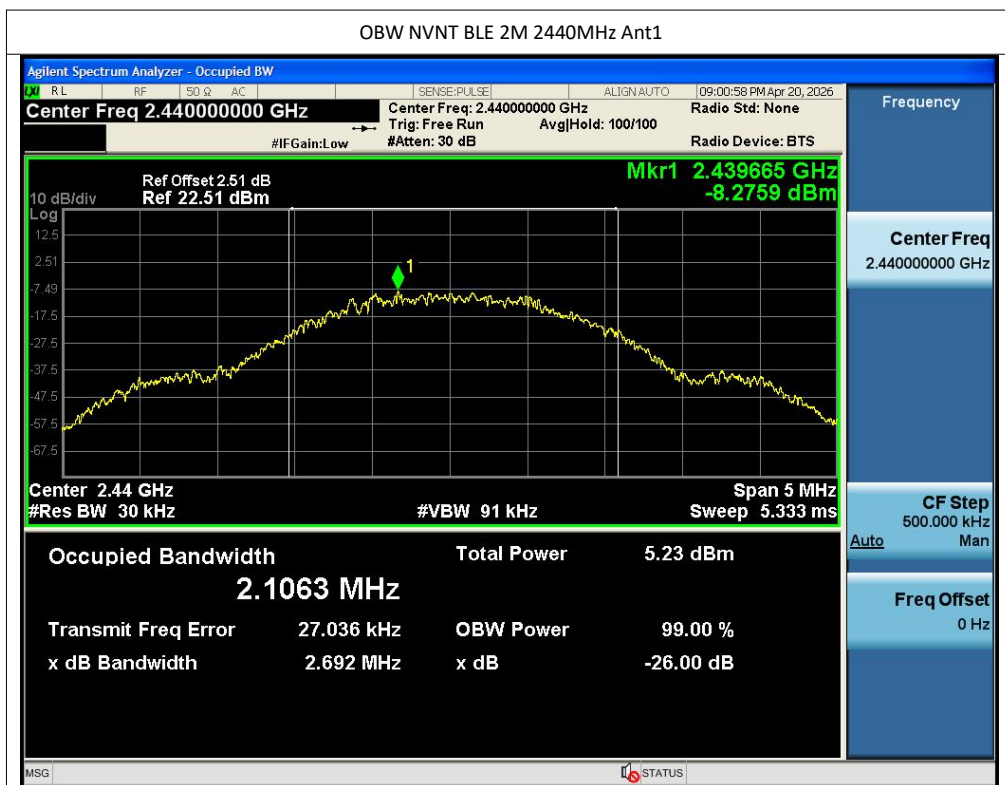
OBW NVNT BLE 1M 2402MHz Ant1



OBW NVNT BLE 1M 2440MHz Ant1







Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/100kHz)	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-1.09	-16.32	0	-16.32	8	Pass
NVNT	BLE 1M	2440	Ant1	-0.9	-16.13	0	-16.13	8	Pass
NVNT	BLE 1M	2480	Ant1	-1.49	-16.72	0	-16.72	8	Pass
NVNT	BLE 2M	2402	Ant1	-1.72	-16.95	0	-16.95	8	Pass
NVNT	BLE 2M	2440	Ant1	-2.04	-17.27	0	-17.27	8	Pass
NVNT	BLE 2M	2480	Ant1	-1.8	-17.03	0	-17.03	8	Pass

Test Graphs

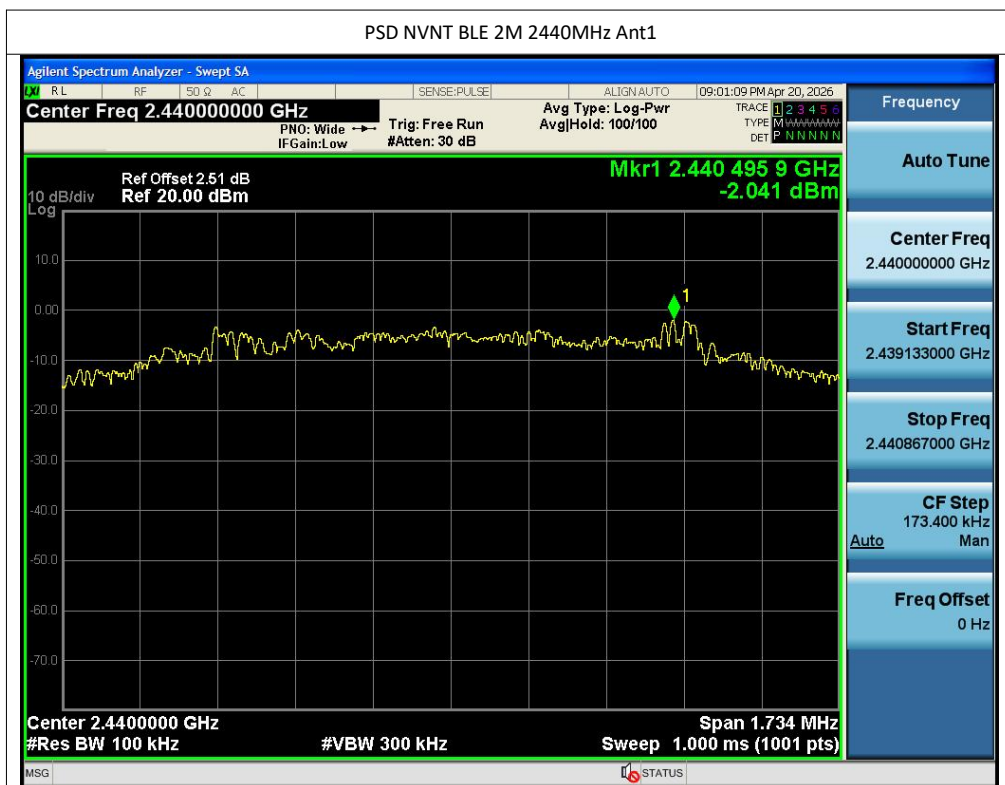
PSD NVNT BLE 1M 2402MHz Ant1



PSD NVNT BLE 1M 2440MHz Ant1





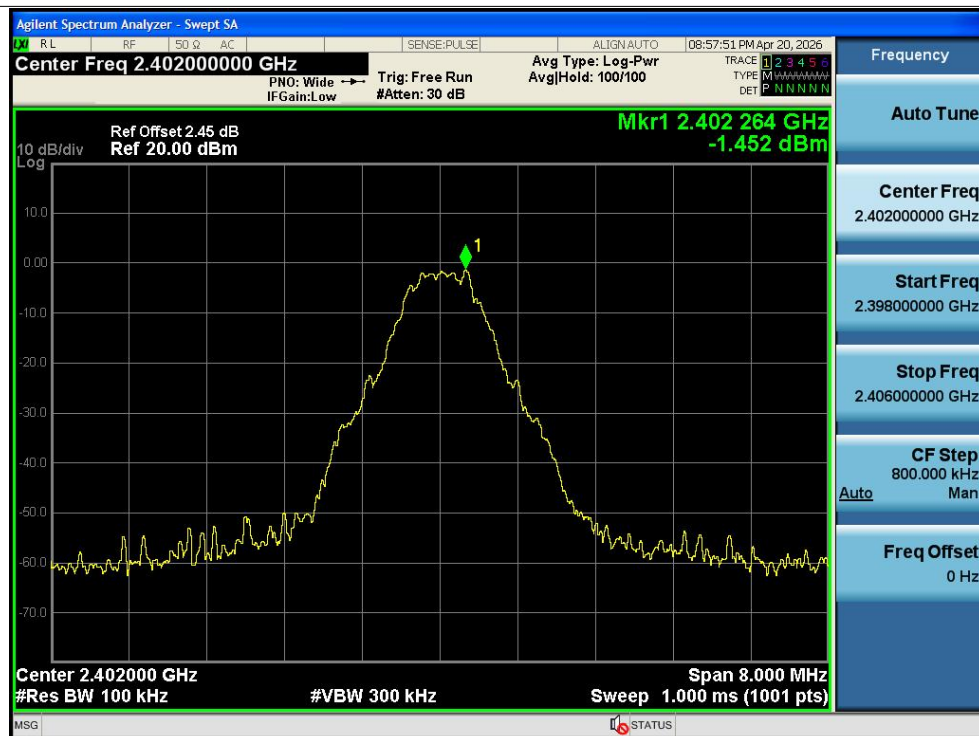


Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-51.09	-20	Pass
NVNT	BLE 1M	2480	Ant1	-52.72	-20	Pass
NVNT	BLE 2M	2402	Ant1	-34.6	-20	Pass
NVNT	BLE 2M	2480	Ant1	-50.4	-20	Pass

Test Graphs

Band Edge NVNT BLE 1M 2402MHz Ant1 Ref



Band Edge NVNT BLE 1M 2402MHz Ant1 Emission

