

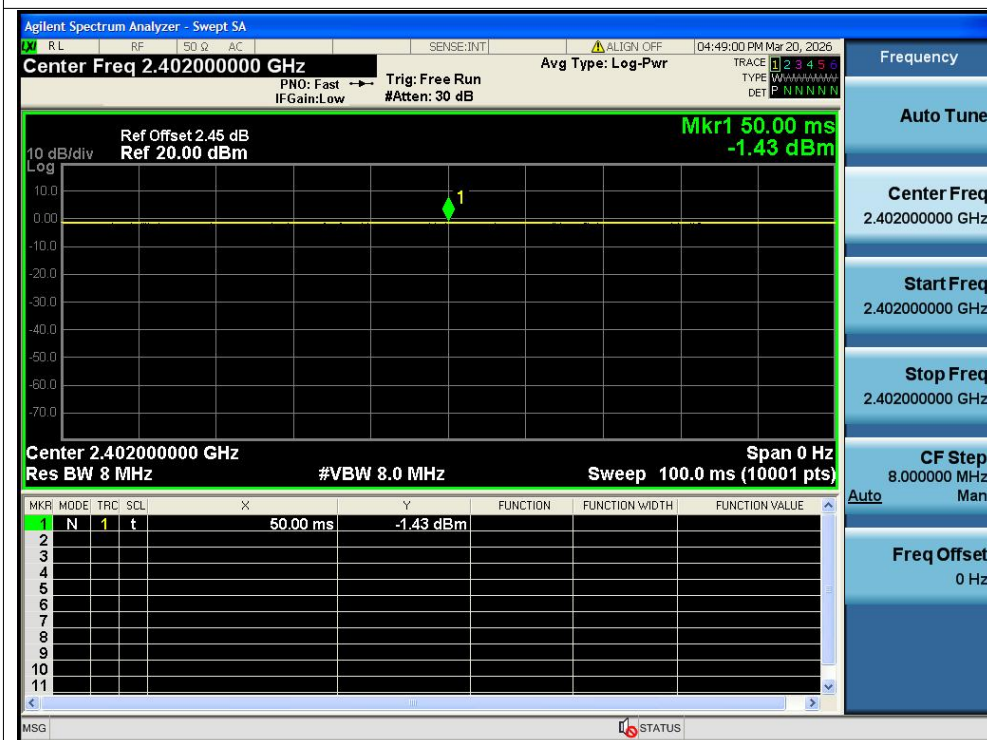
Appendix D BLE

Duty Cycle

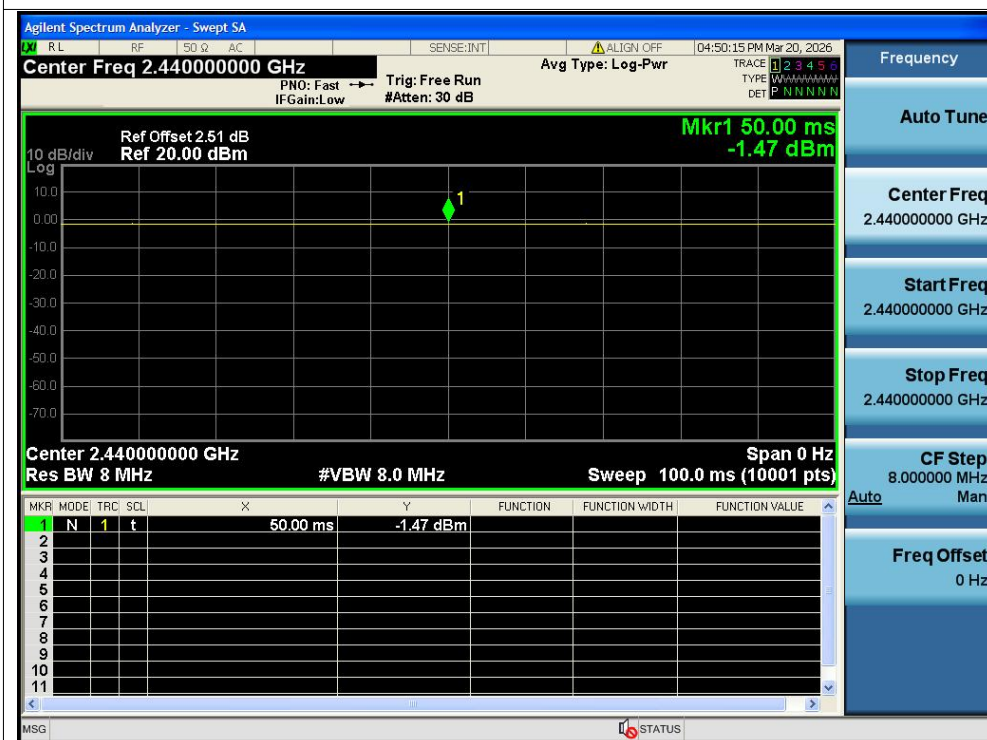
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	100	0	0.01
NVNT	BLE 1M	2440	Ant1	100	0	0.01
NVNT	BLE 1M	2480	Ant1	100	0	0.01
NVNT	BLE 2M	2402	Ant1	100	0	0.01
NVNT	BLE 2M	2440	Ant1	100	0	0.01
NVNT	BLE 2M	2480	Ant1	100	0	0.01

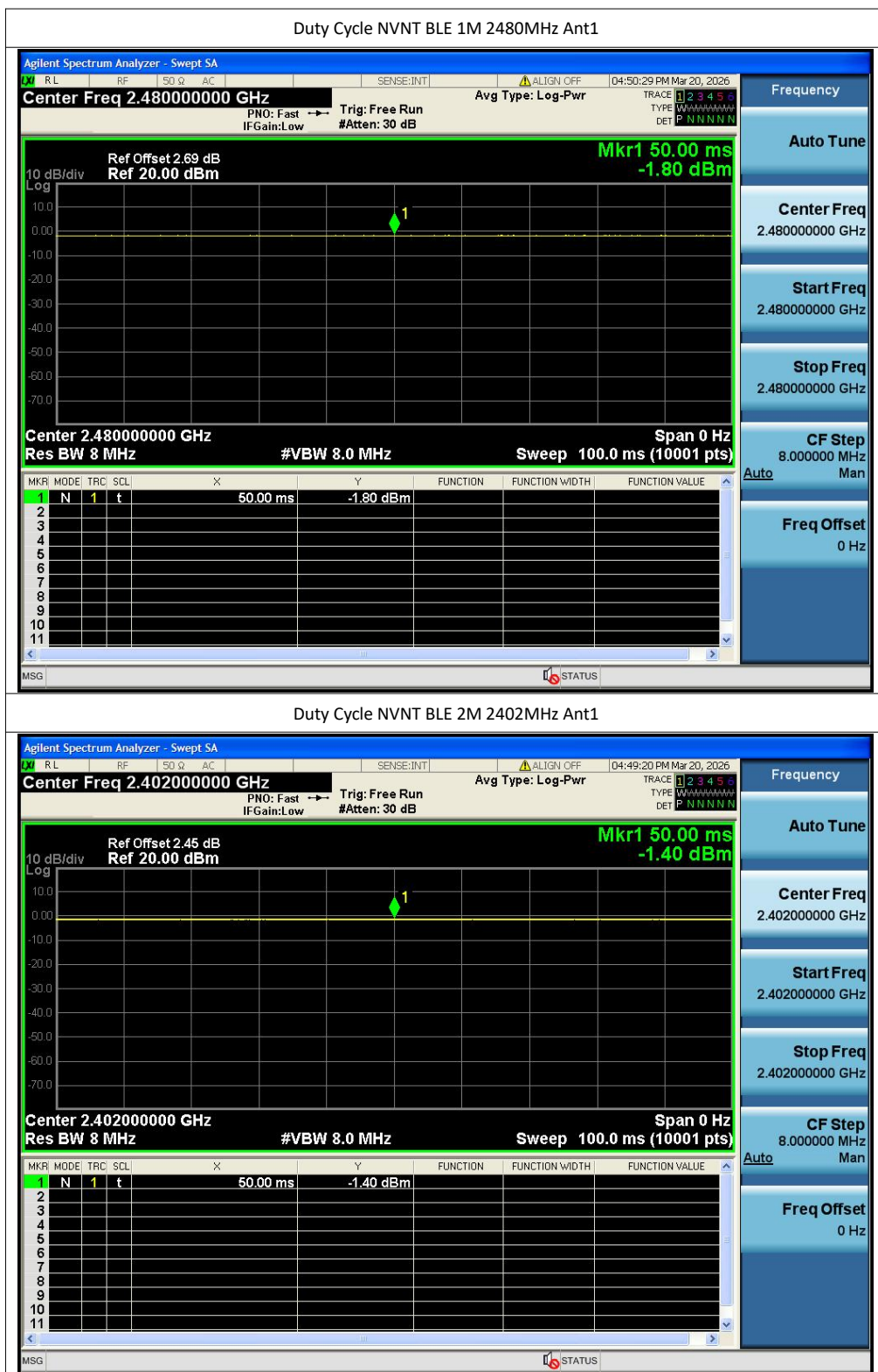
Test Graphs

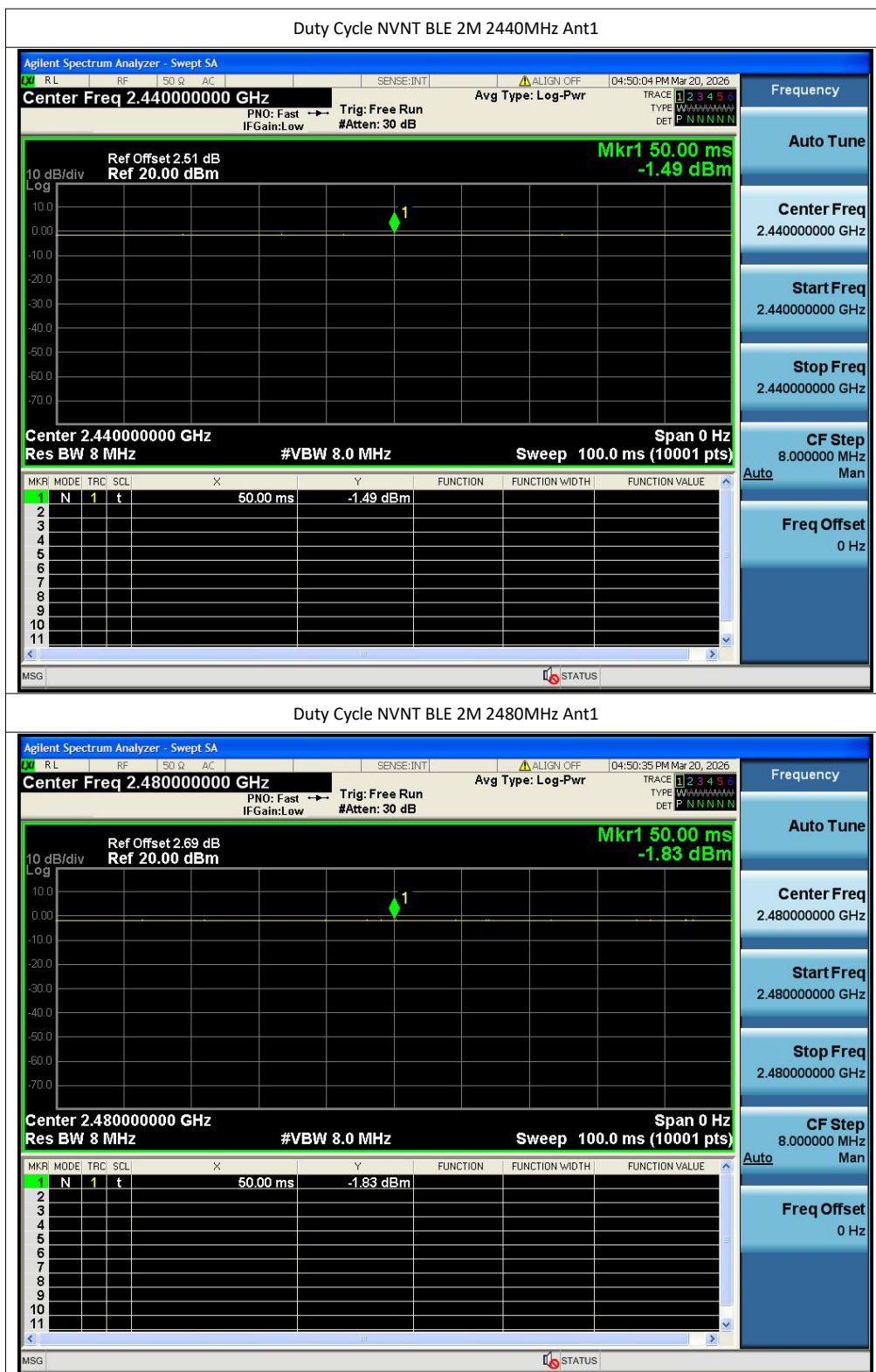
Duty Cycle NVNT BLE 1M 2402MHz Ant1



Duty Cycle NVNT BLE 1M 2440MHz Ant1





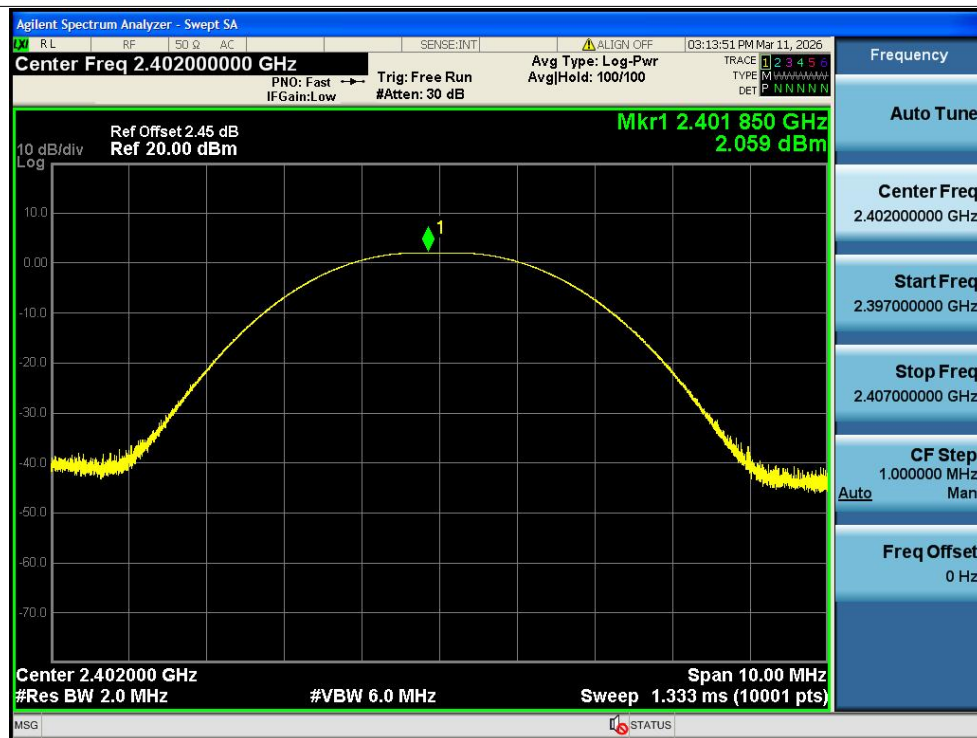


Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	2.06	0	2.06	30	Pass
NVNT	BLE 1M	2440	Ant1	2.47	0	2.47	30	Pass
NVNT	BLE 1M	2480	Ant1	2.95	0	2.95	30	Pass
NVNT	BLE 2M	2402	Ant1	2.07	0	2.07	30	Pass
NVNT	BLE 2M	2440	Ant1	2.44	0	2.44	30	Pass
NVNT	BLE 2M	2480	Ant1	2.94	0	2.94	30	Pass

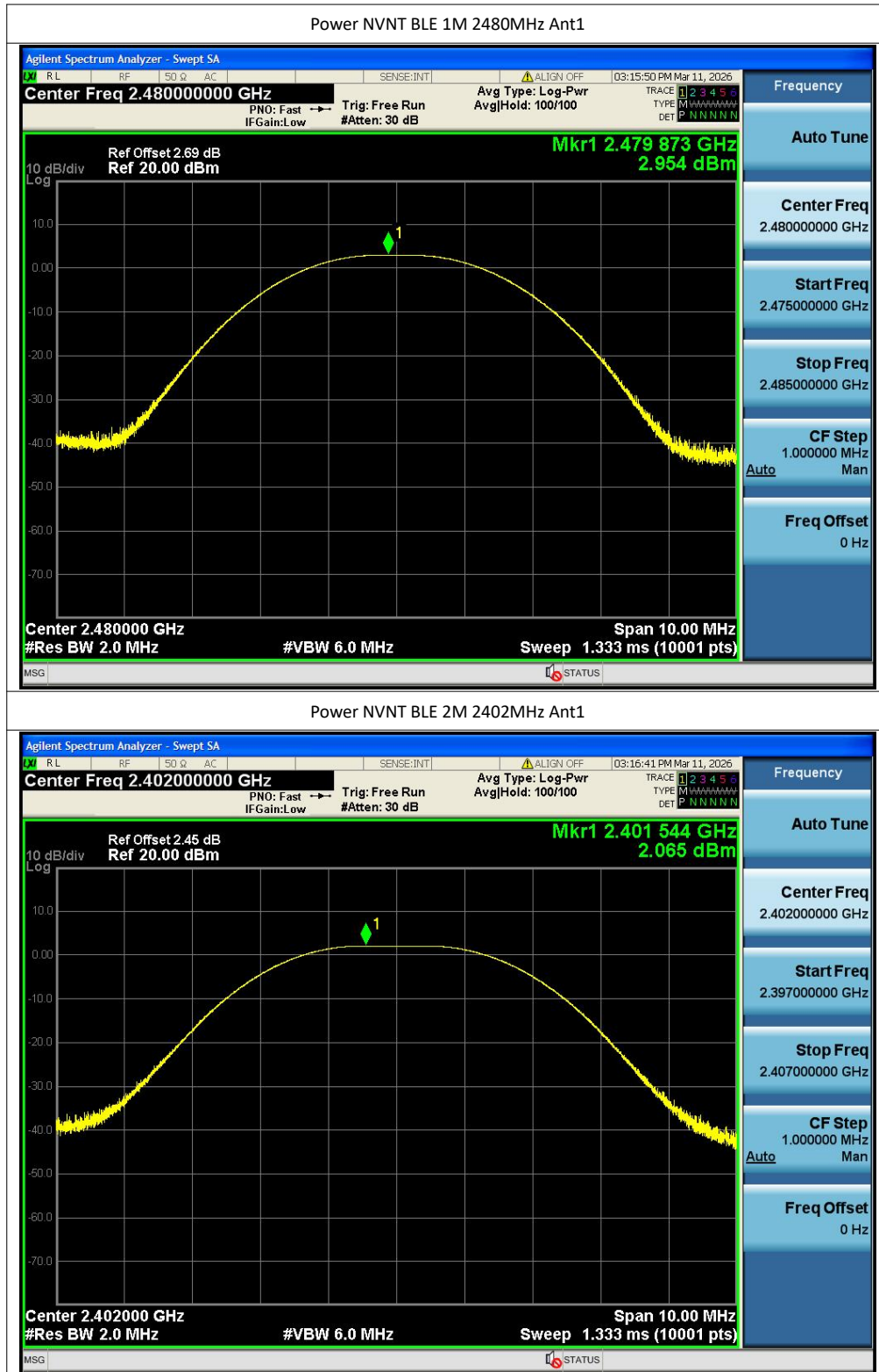
Test Graphs

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	0.7442	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.7405	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.7559	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.386	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.391	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.405	0.5	Pass

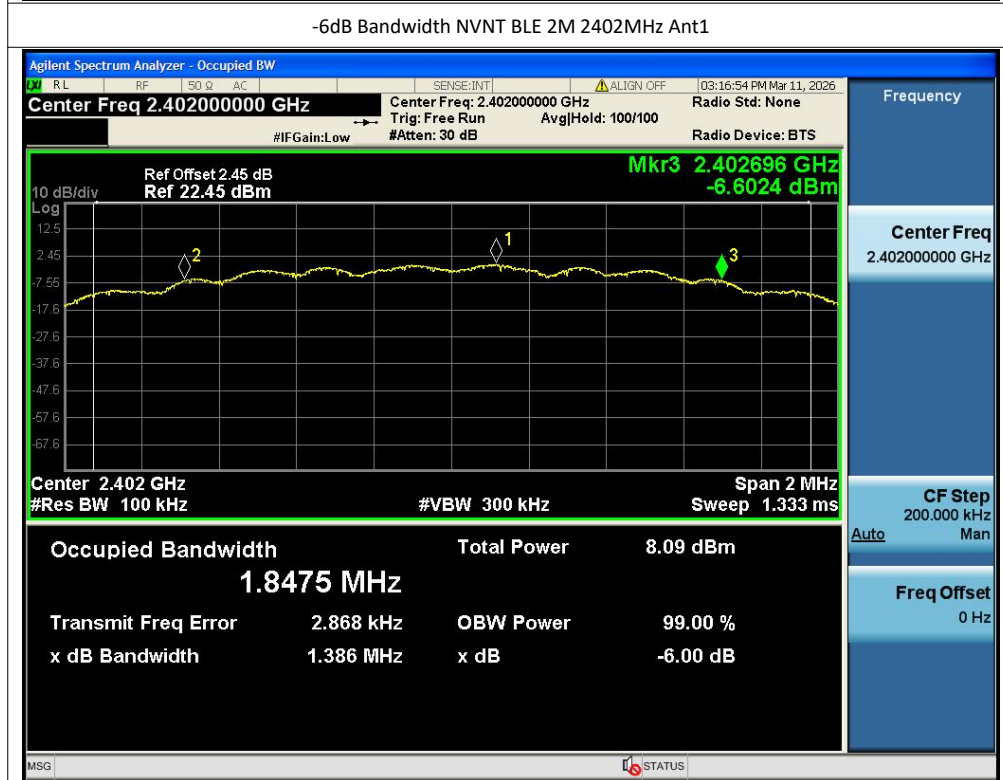
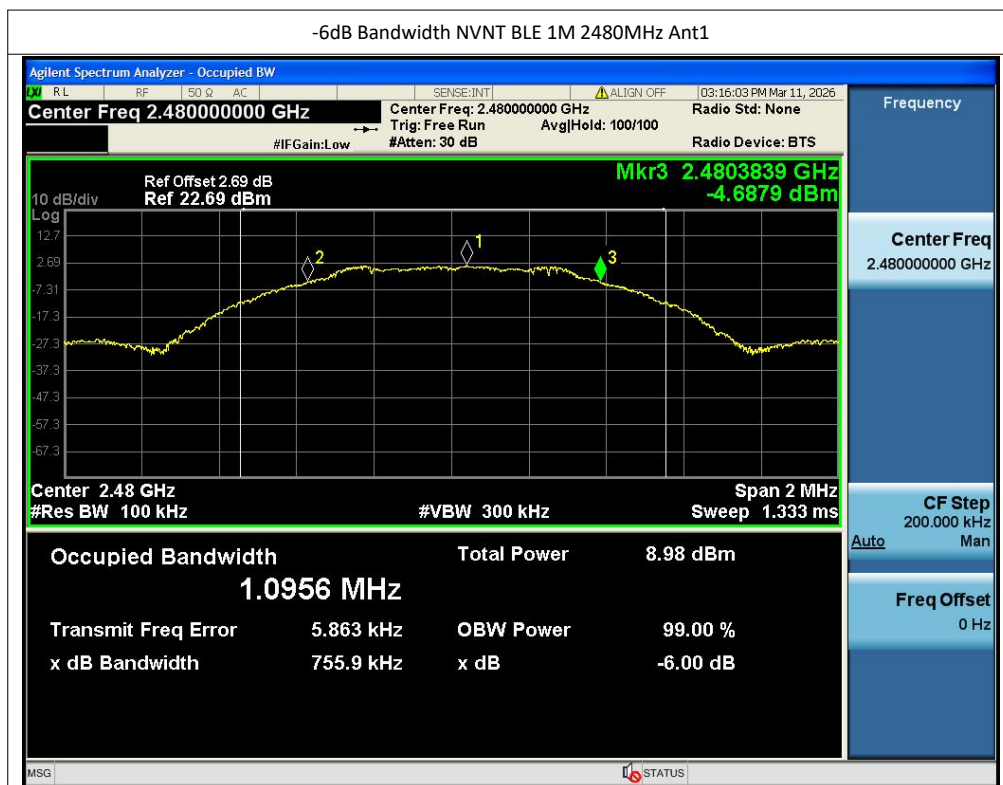
Test Graphs

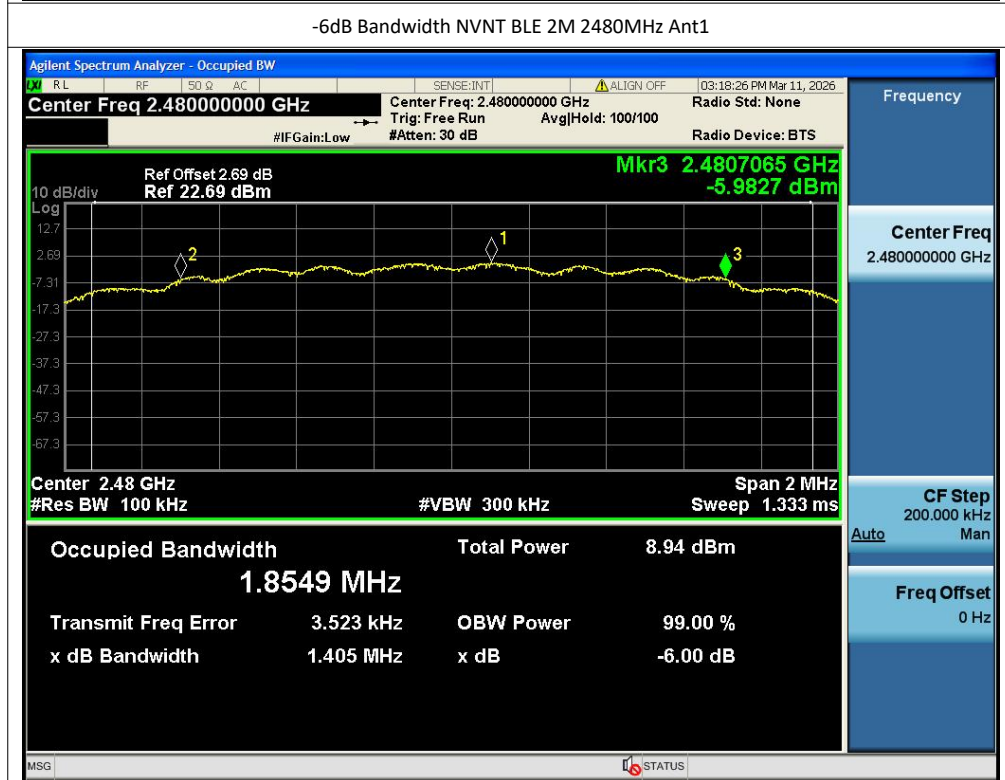
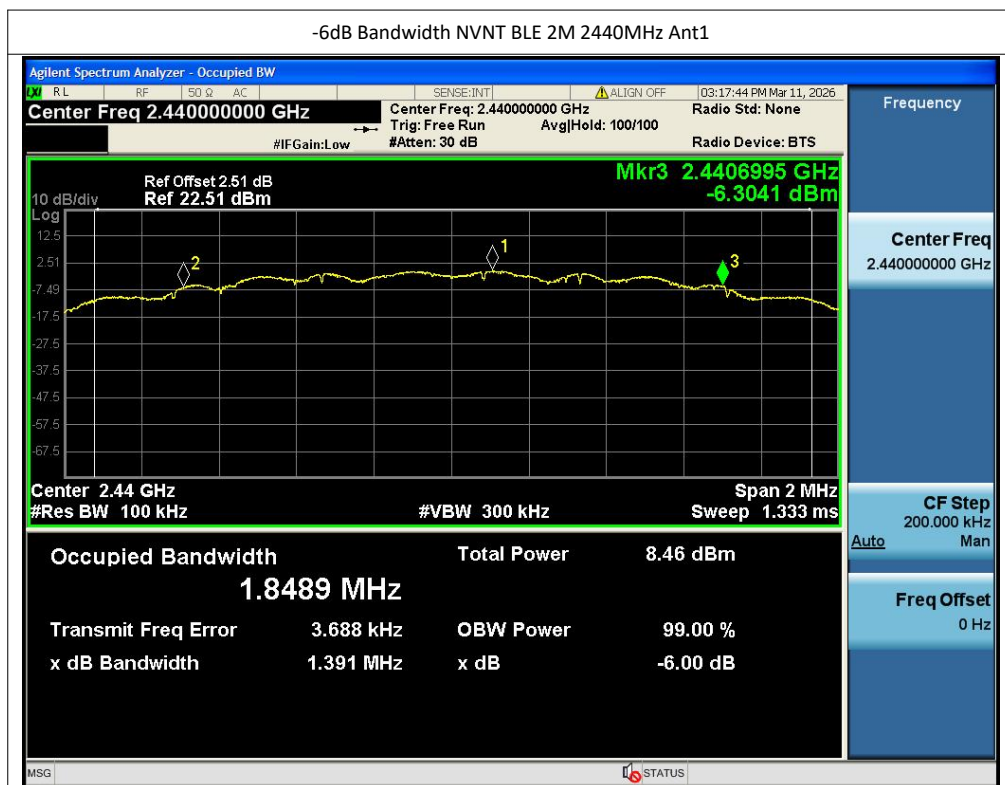
-6dB Bandwidth NVNT BLE 1M 2402MHz Ant1



-6dB Bandwidth NVNT BLE 1M 2440MHz Ant1







Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.0821
NVNT	BLE 1M	2440	Ant1	1.0779
NVNT	BLE 1M	2480	Ant1	1.0893
NVNT	BLE 2M	2402	Ant1	2.0796
NVNT	BLE 2M	2440	Ant1	2.0959
NVNT	BLE 2M	2480	Ant1	2.1088

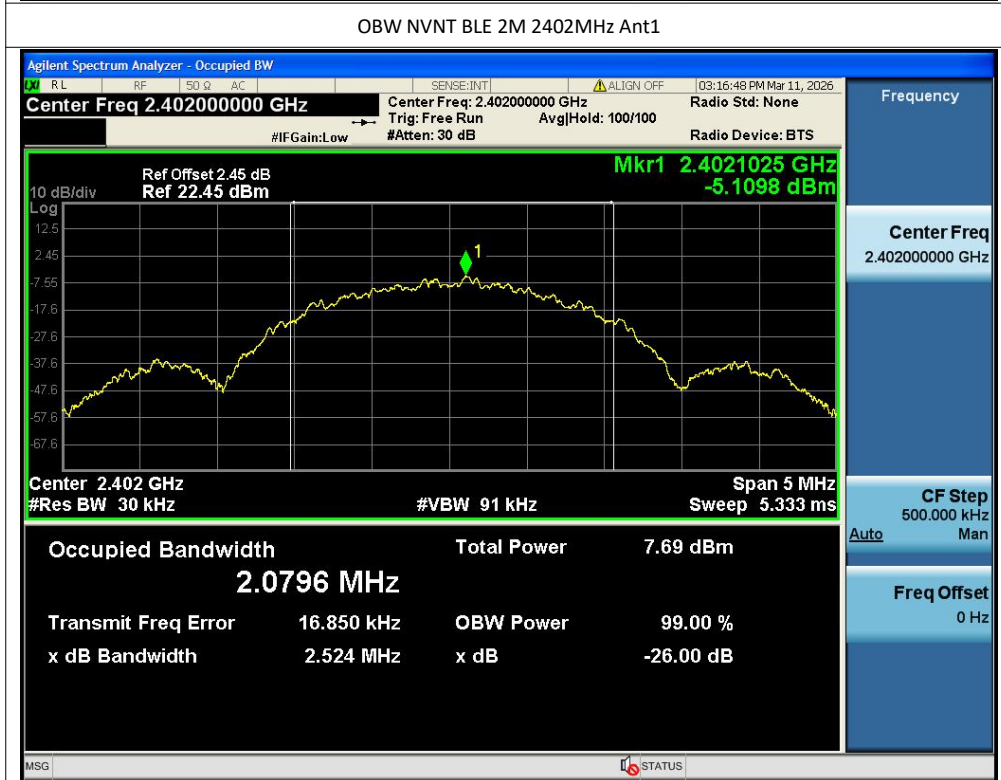
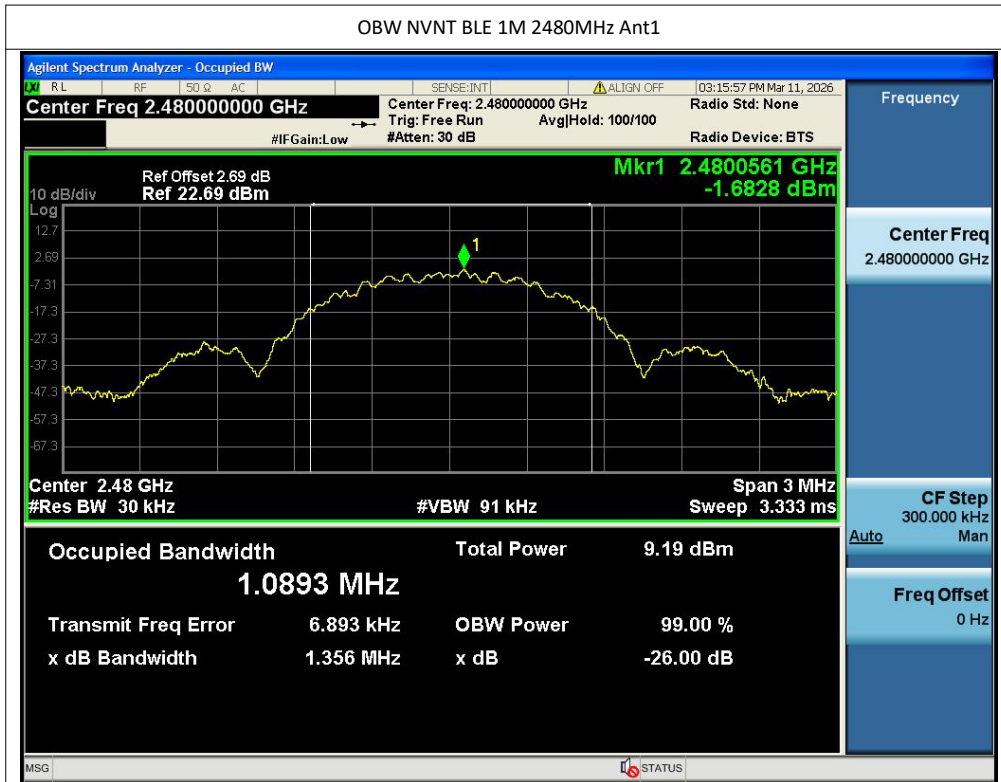
Test Graphs

OBW NVNT BLE 1M 2402MHz Ant1



OBW NVNT BLE 1M 2440MHz Ant1







Maximum Power Spectral Density Level

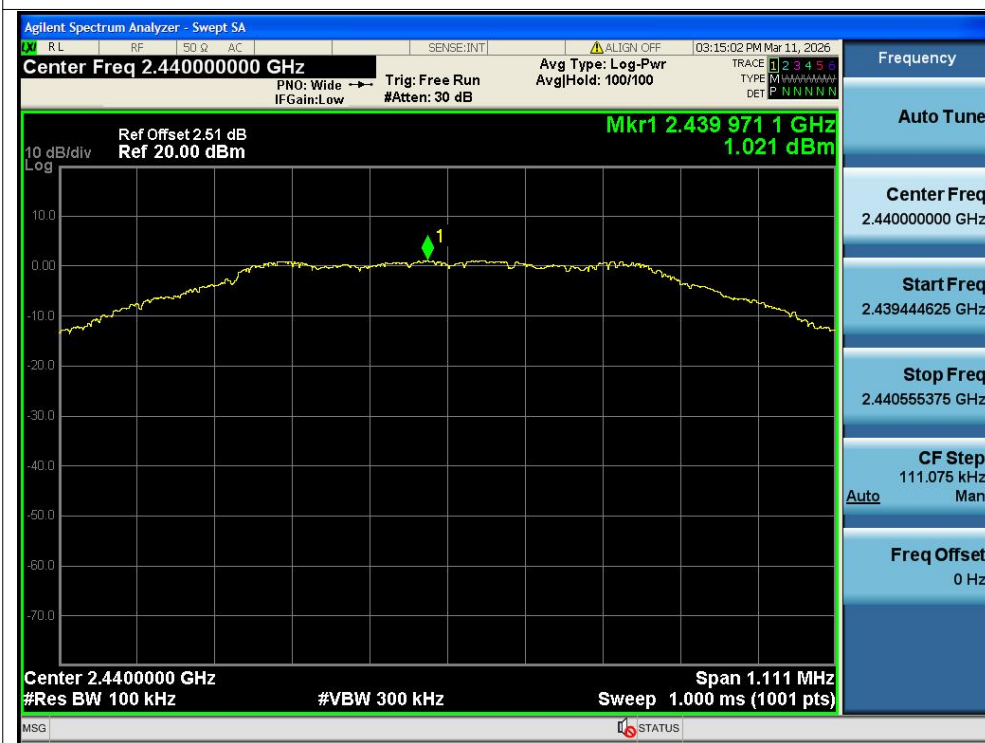
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/100kHz)	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.63	-14.6	0	-14.6	8	Pass
NVNT	BLE 1M	2440	Ant1	1.02	-14.21	0	-14.21	8	Pass
NVNT	BLE 1M	2480	Ant1	1.47	-13.76	0	-13.76	8	Pass
NVNT	BLE 2M	2402	Ant1	-0.7	-15.93	0	-15.93	8	Pass
NVNT	BLE 2M	2440	Ant1	-0.36	-15.59	0	-15.59	8	Pass
NVNT	BLE 2M	2480	Ant1	0.11	-15.12	0	-15.12	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	-46.95	-20	Pass
NVNT	BLE 1M	2480	Ant1	-54.53	-20	Pass
NVNT	BLE 2M	2402	Ant1	-32.23	-20	Pass
NVNT	BLE 2M	2480	Ant1	-52.83	-20	Pass

Test Graphs

Band Edge NVNT BLE 1M 2402MHz Ant1 Ref



Band Edge NVNT BLE 1M 2402MHz Ant1 Emission

