

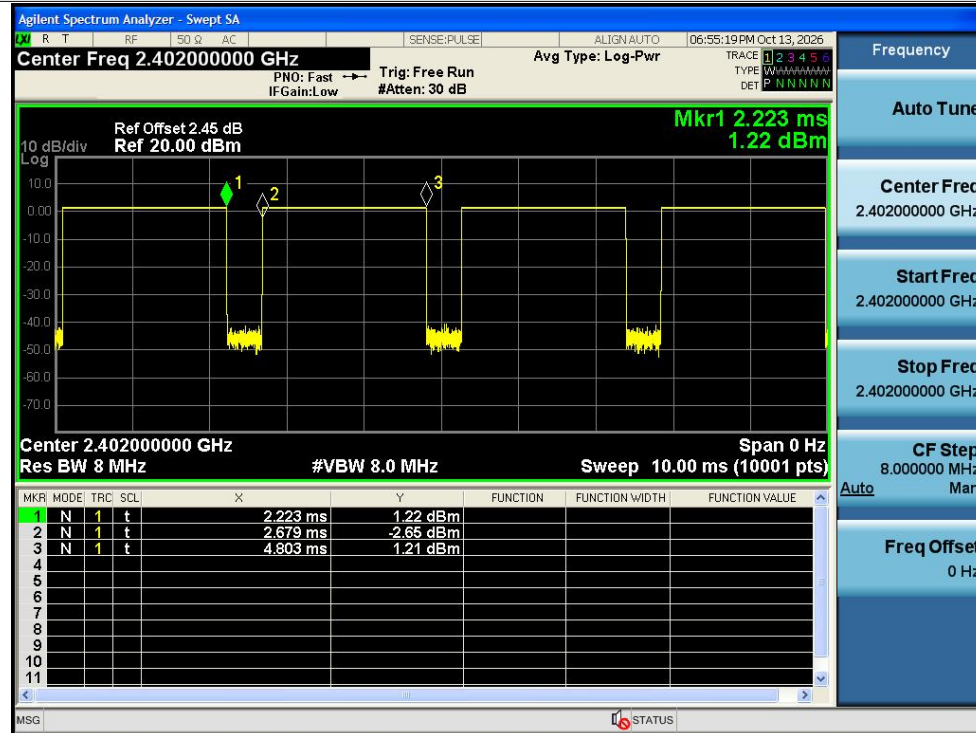
Appendix D BLE

Duty Cycle

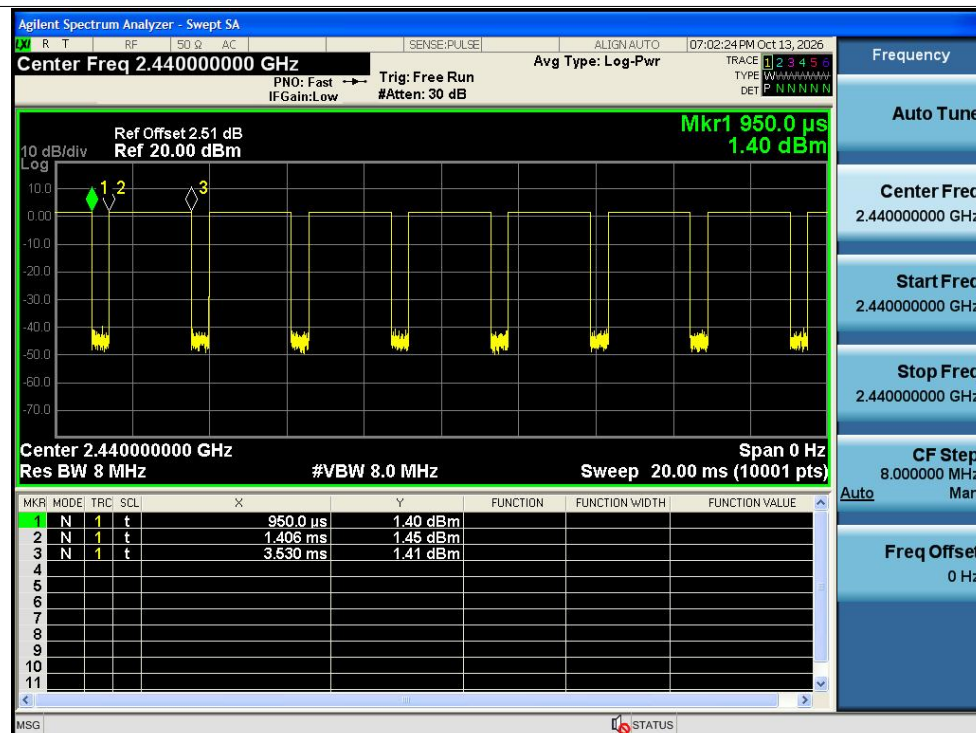
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	82.33	0.84	0.47
NVNT	BLE 1M	2440	Ant1	82.33	0.84	0.47
NVNT	BLE 1M	2480	Ant1	82.33	0.84	0.47
NVNT	BLE 2M	2402	Ant1	54.55	2.63	0.94
NVNT	BLE 2M	2440	Ant1	71.13	1.48	1.06
NVNT	BLE 2M	2480	Ant1	54.53	2.63	0.94

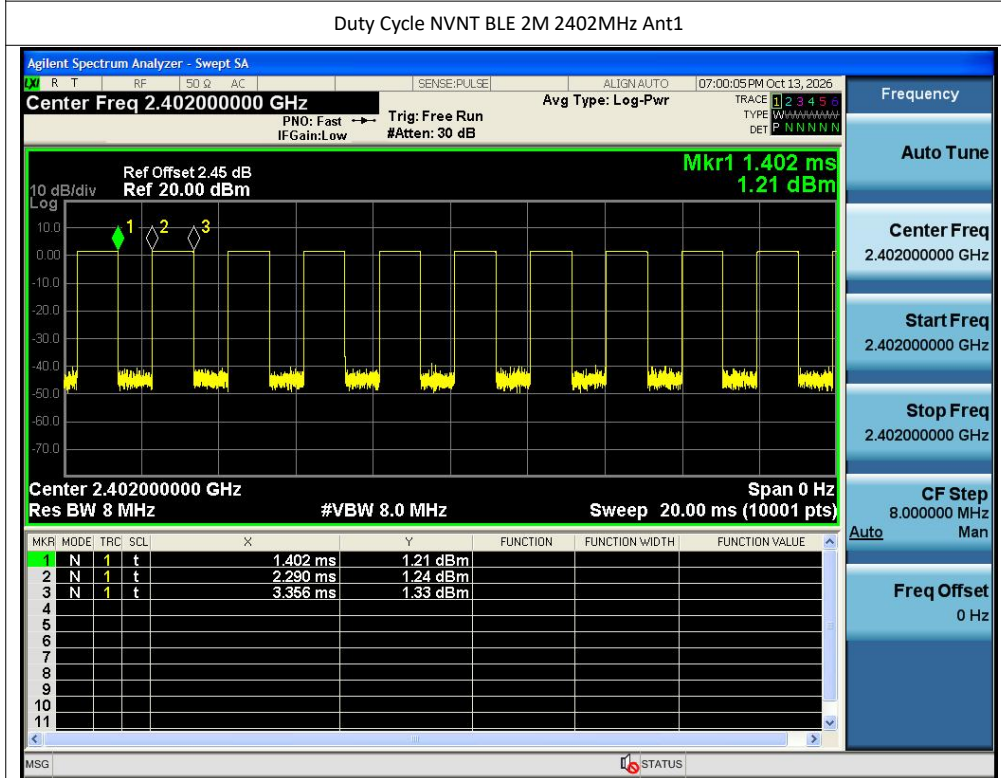
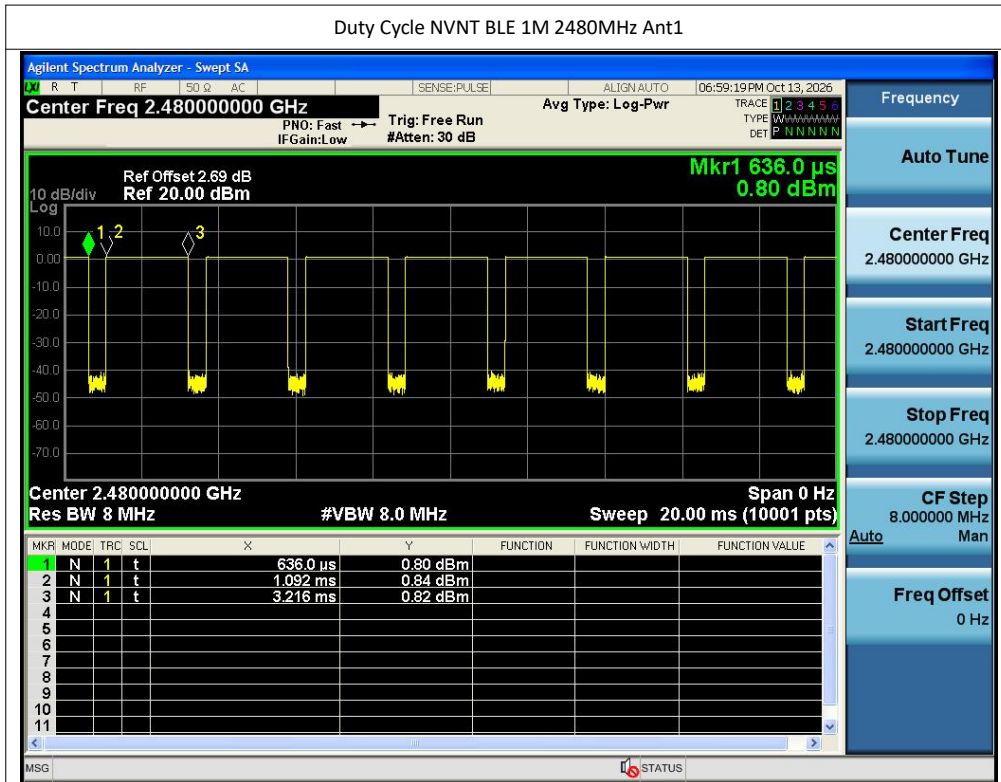
Test Graphs

Duty Cycle NVNT BLE 1M 2402MHz Ant1

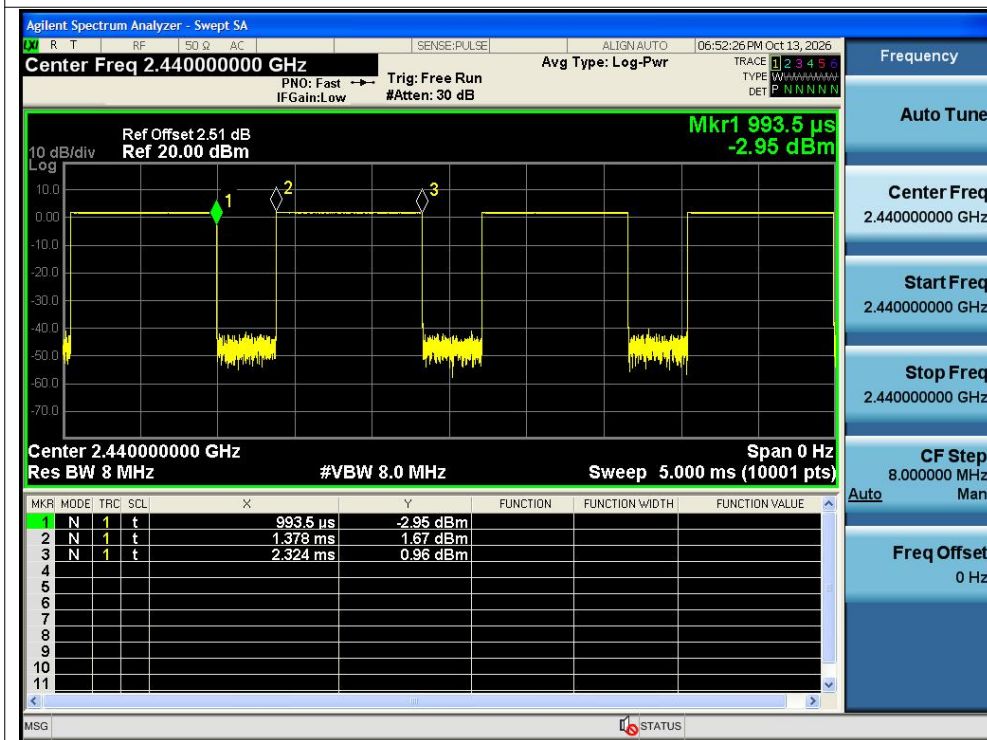


Duty Cycle NVNT BLE 1M 2440MHz Ant1

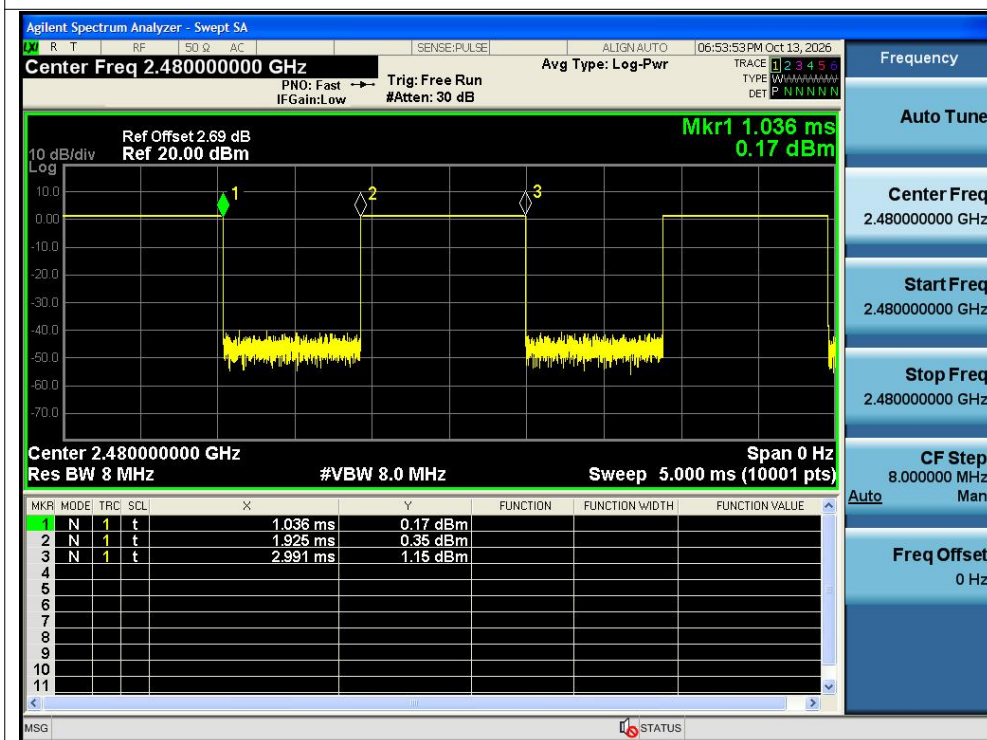




Duty Cycle NVNT BLE 2M 2440MHz Ant1



Duty Cycle NVNT BLE 2M 2480MHz Ant1

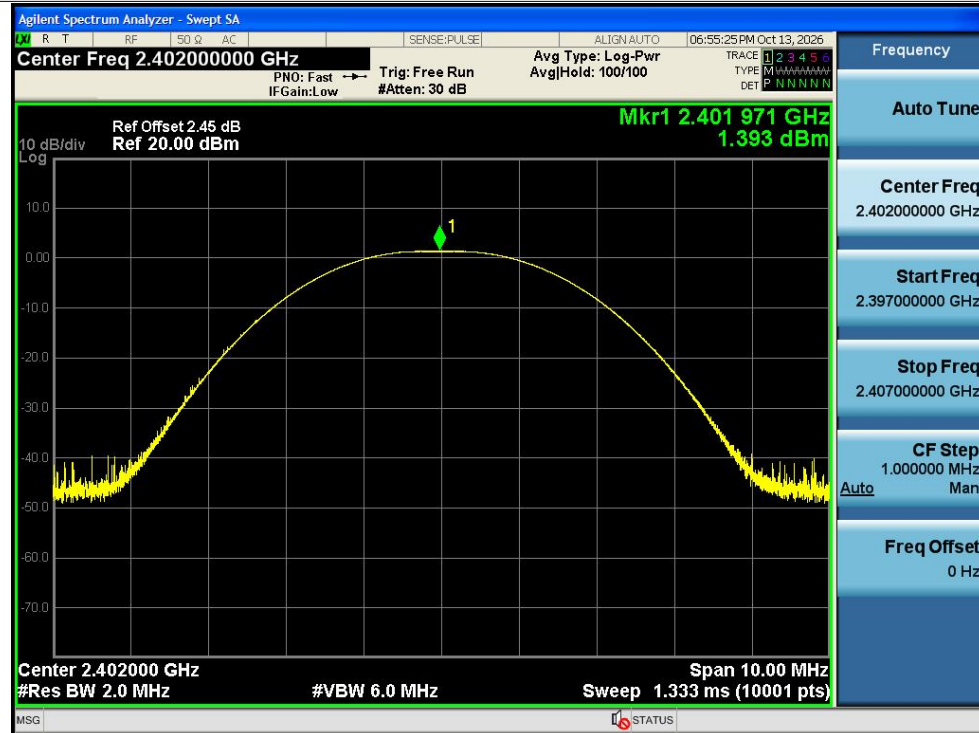


Maximum Conducted Output Power

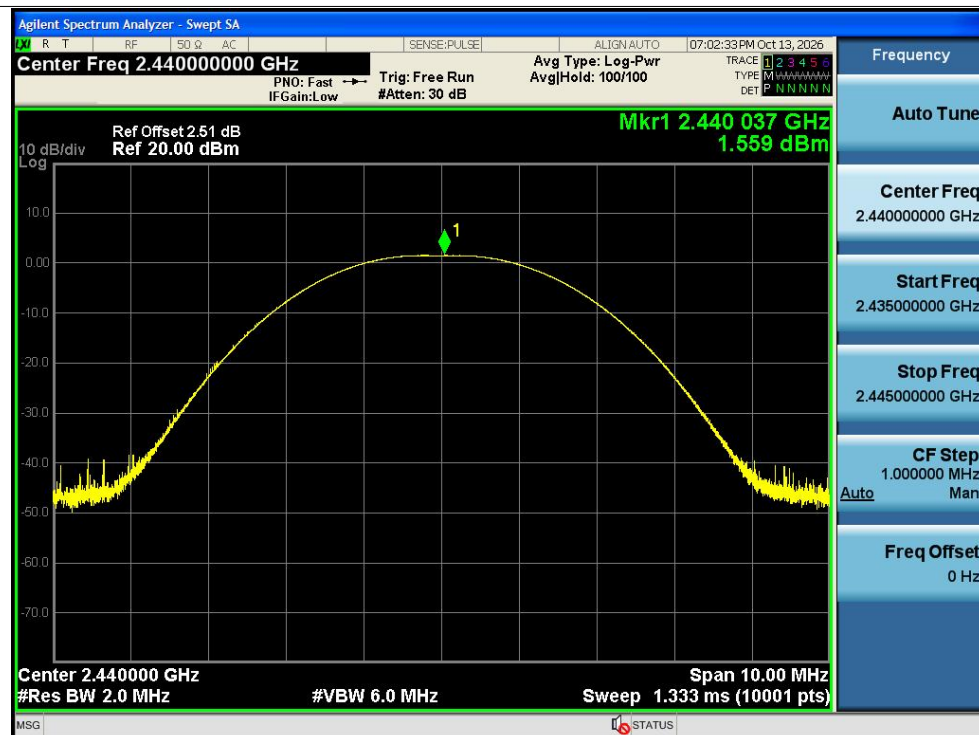
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	1.39	30	Pass
NVNT	BLE 1M	2440	Ant1	1.56	30	Pass
NVNT	BLE 1M	2480	Ant1	1.02	30	Pass
NVNT	BLE 2M	2402	Ant1	1.39	30	Pass
NVNT	BLE 2M	2440	Ant1	1.79	30	Pass
NVNT	BLE 2M	2480	Ant1	1.38	30	Pass

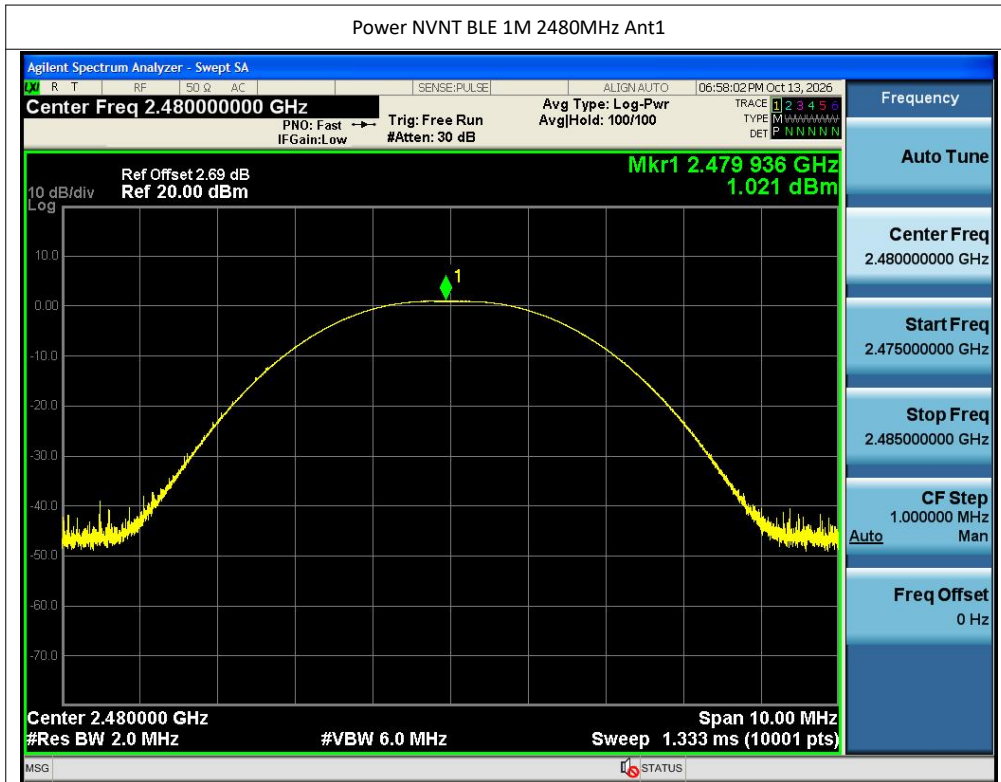
Test Graphs

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	0.6506	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.6257	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.6196	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.133	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.142	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.141	0.5	Pass

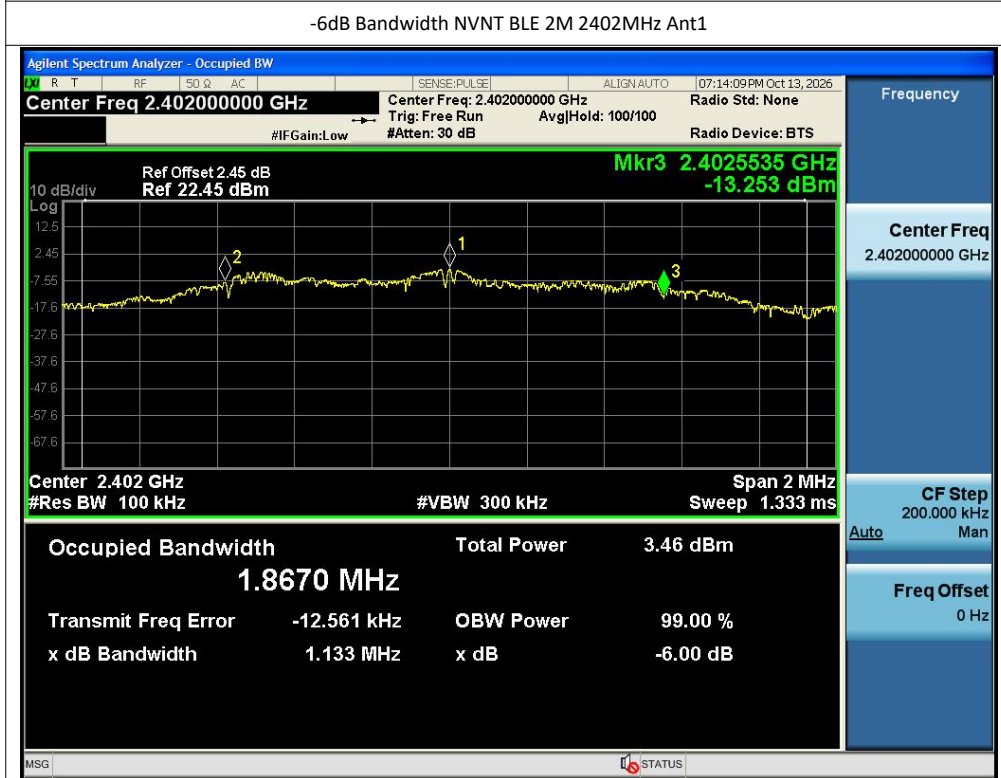
Test Graphs

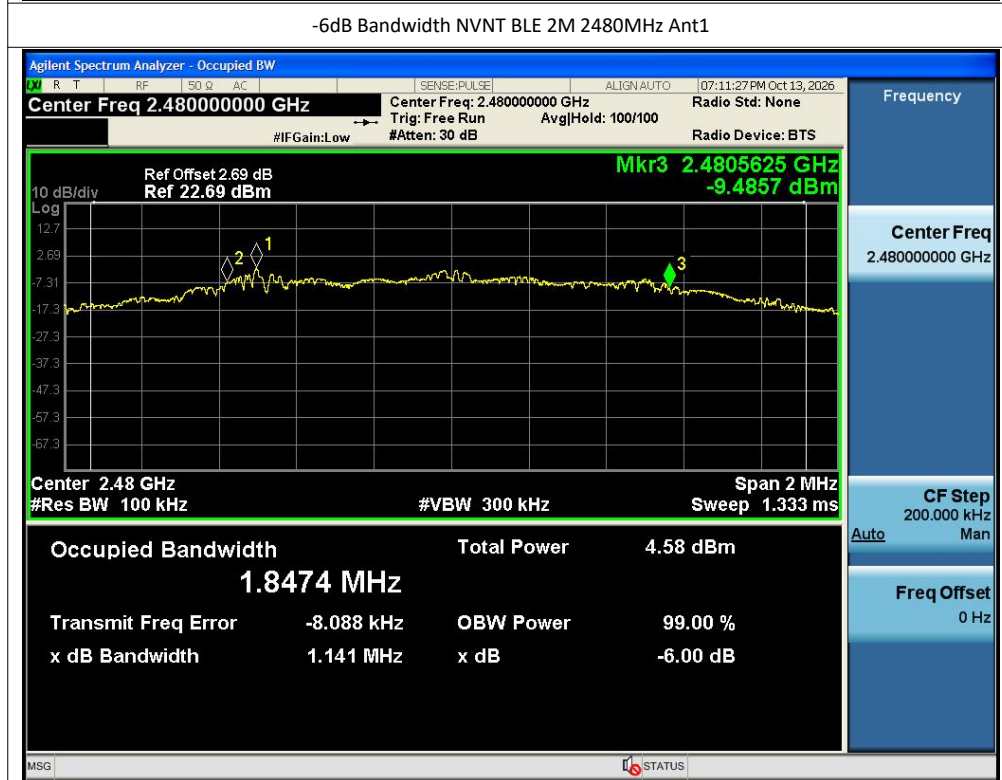
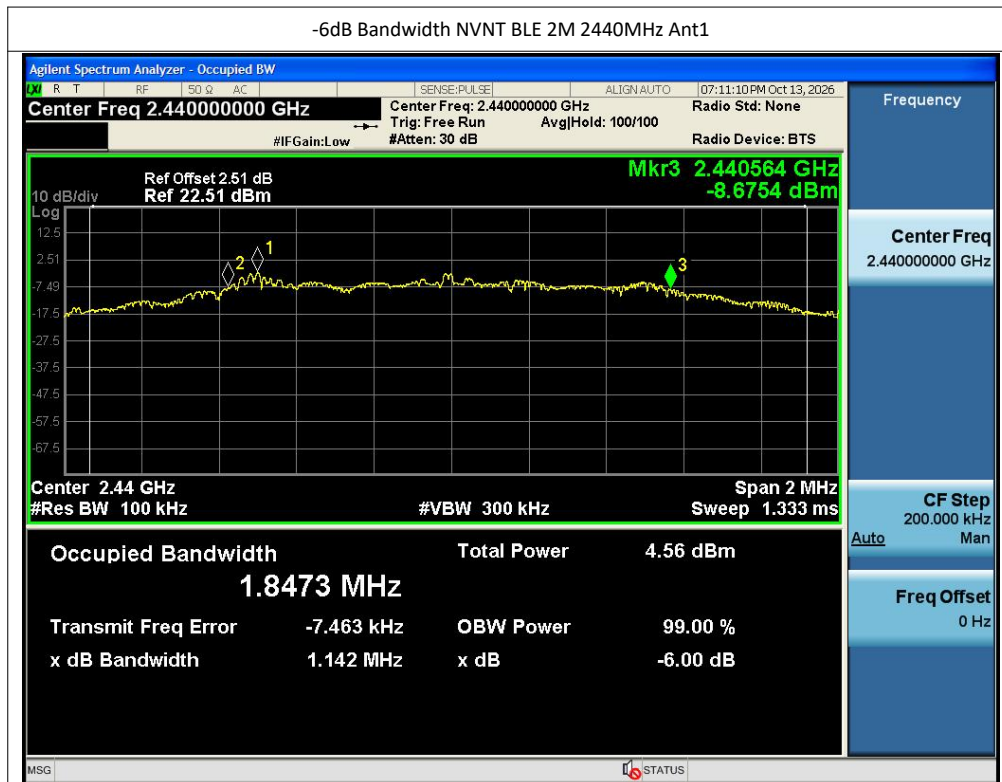
-6dB Bandwidth NVNT BLE 1M 2402MHz Ant1



-6dB Bandwidth NVNT BLE 1M 2440MHz Ant1







Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.0414
NVNT	BLE 1M	2440	Ant1	1.0452
NVNT	BLE 1M	2480	Ant1	1.0176
NVNT	BLE 2M	2402	Ant1	2.0181
NVNT	BLE 2M	2440	Ant1	2.0263
NVNT	BLE 2M	2480	Ant1	1.9894

Test Graphs

OBW NVNT BLE 1M 2402MHz Ant1



OBW NVNT BLE 1M 2440MHz Ant1







Maximum Power Spectral Density Level

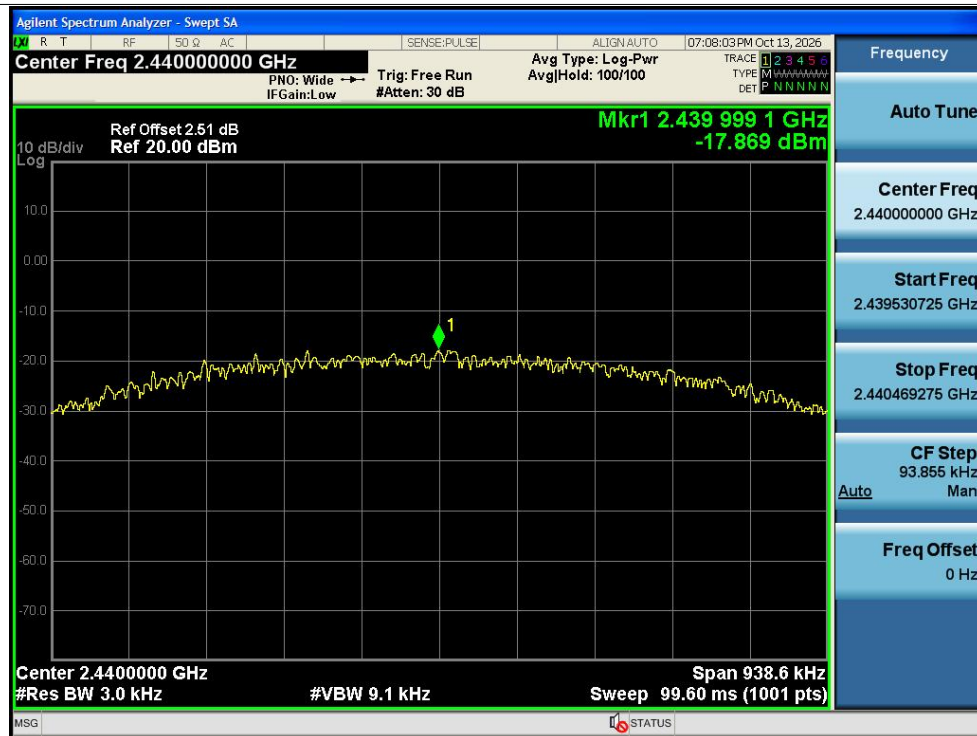
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-19.42	8	Pass
NVNT	BLE 1M	2440	Ant1	-17.87	8	Pass
NVNT	BLE 1M	2480	Ant1	-17.64	8	Pass
NVNT	BLE 2M	2402	Ant1	-19.7	8	Pass
NVNT	BLE 2M	2440	Ant1	-19.26	8	Pass
NVNT	BLE 2M	2480	Ant1	-19.23	8	Pass

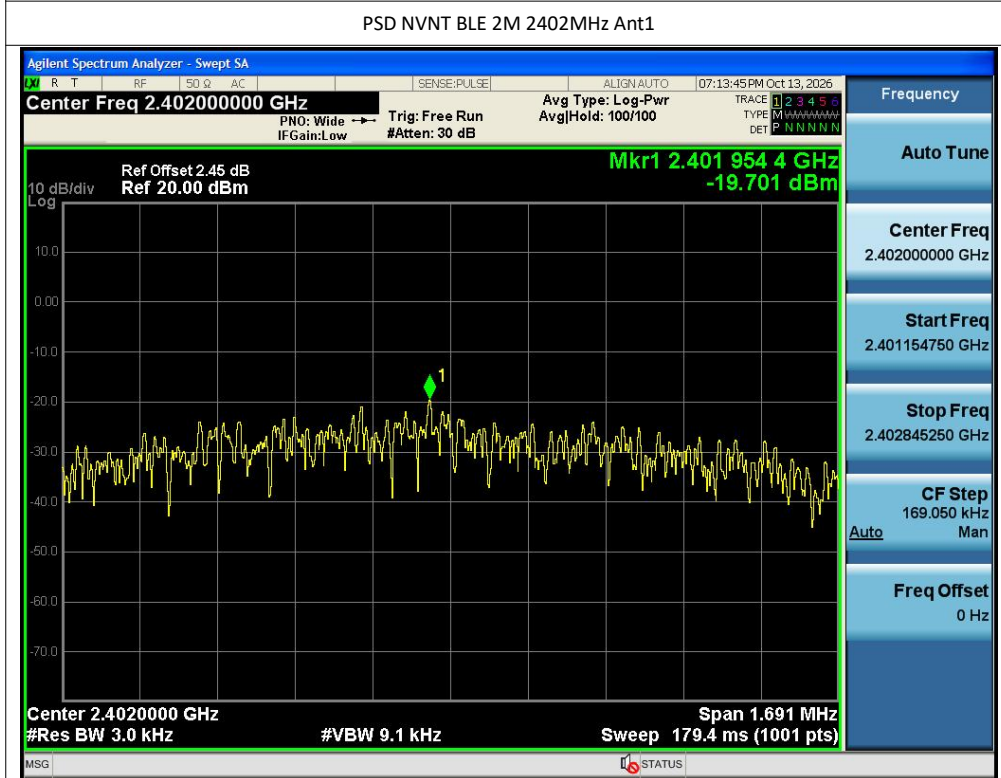
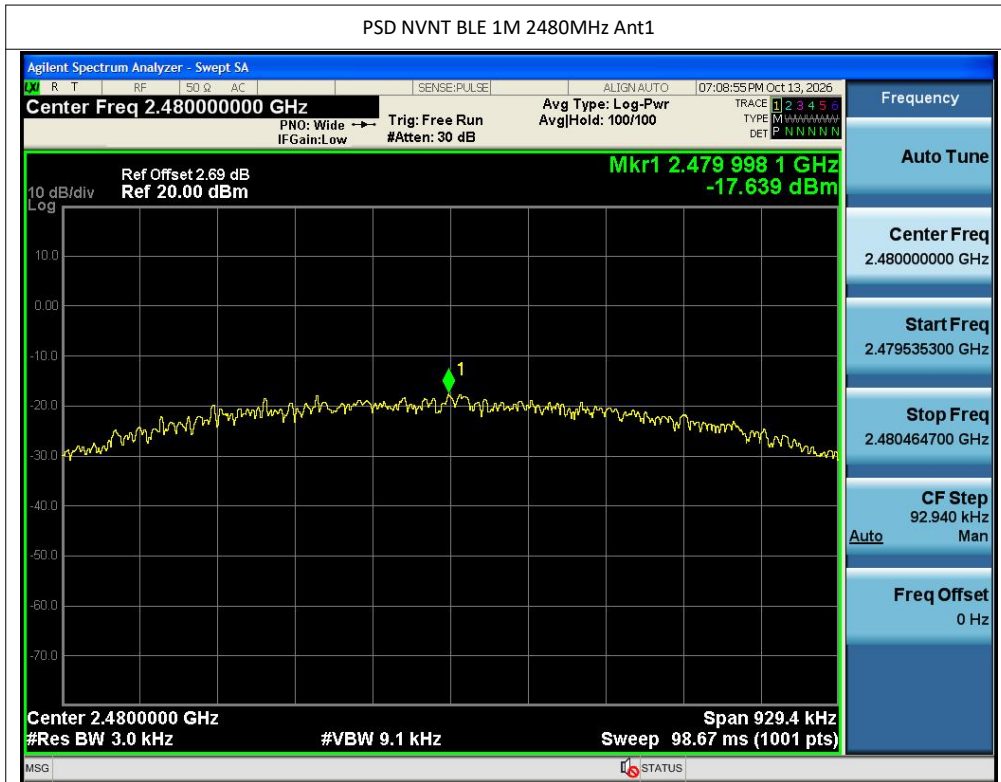
Test Graphs

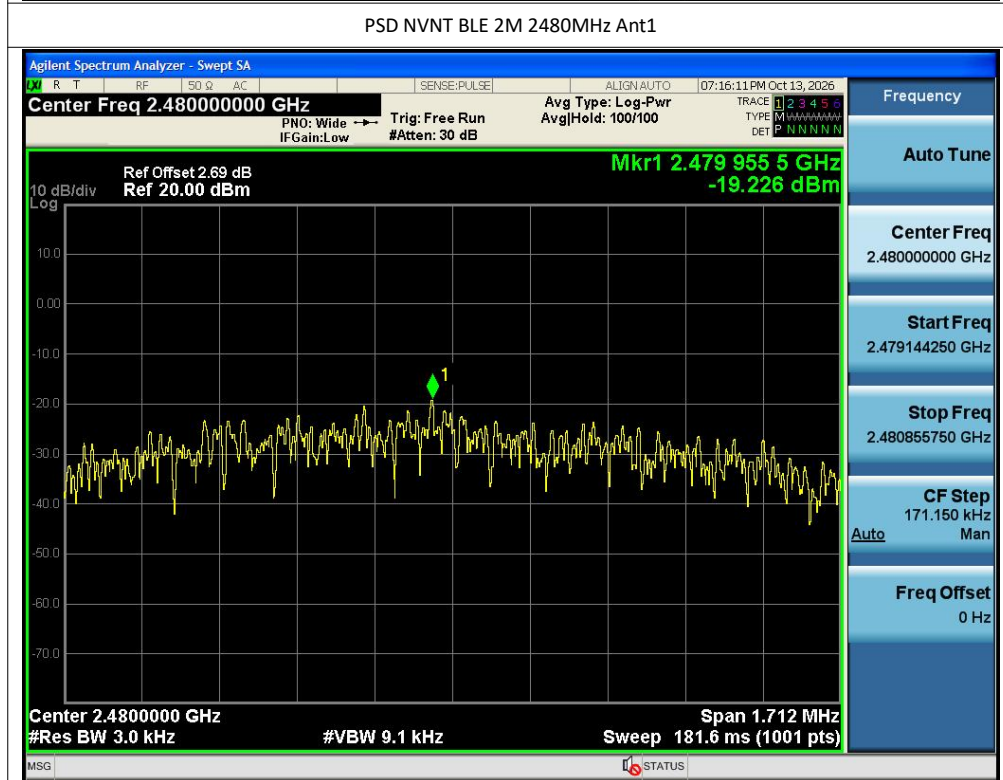
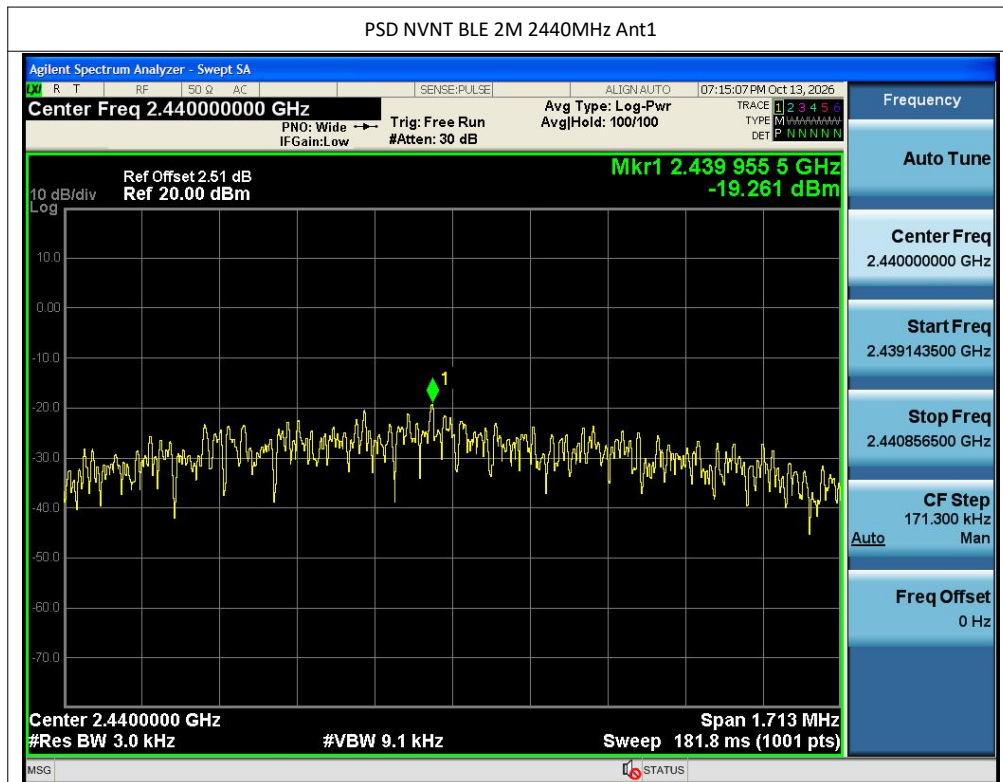
PSD NVNT BLE 1M 2402MHz Ant1



PSD NVNT BLE 1M 2440MHz Ant1







Band Edge

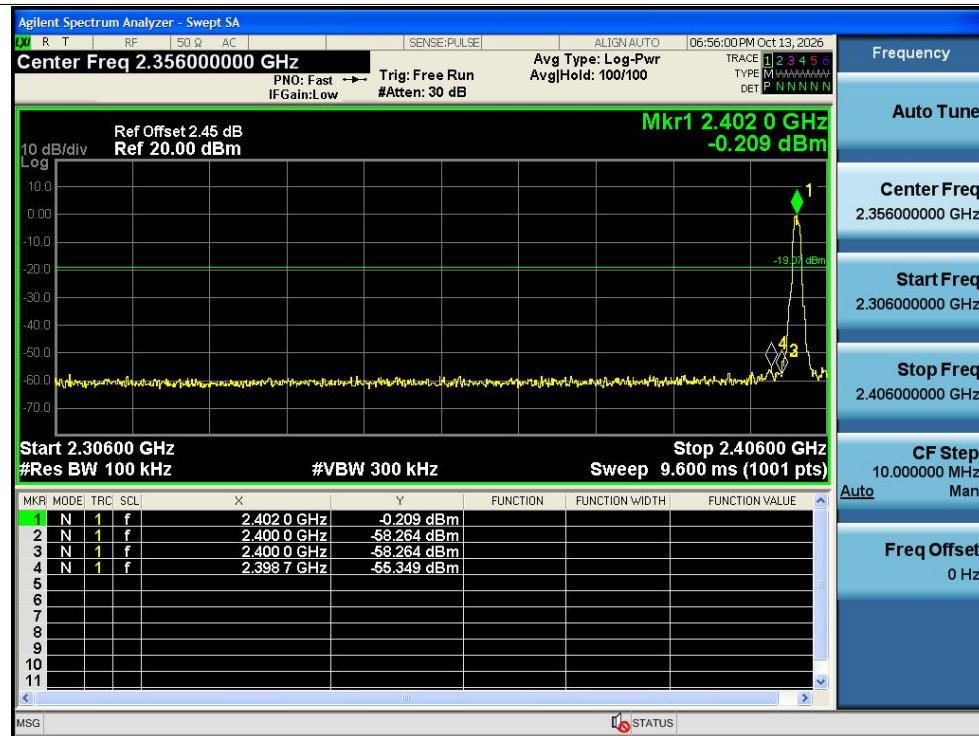
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-56.27	-20	Pass
NVNT	BLE 1M	2480	Ant1	-55.13	-20	Pass
NVNT	BLE 2M	2402	Ant1	-31.36	-20	Pass
NVNT	BLE 2M	2480	Ant1	-54.42	-20	Pass

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

