



## Appendix B

### RF Test Data for BT LE (Conducted Measurement)

Product Name: Wireless Headphones

Test Model: HT-RQ1

#### Environmental Conditions

Temperature:	23.8 ° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	<i>Nick Peng</i> Nick Peng
Supervised by:	<i>Ling Zhu</i> Ling Zhu





### B.1 -6dB Bandwidth

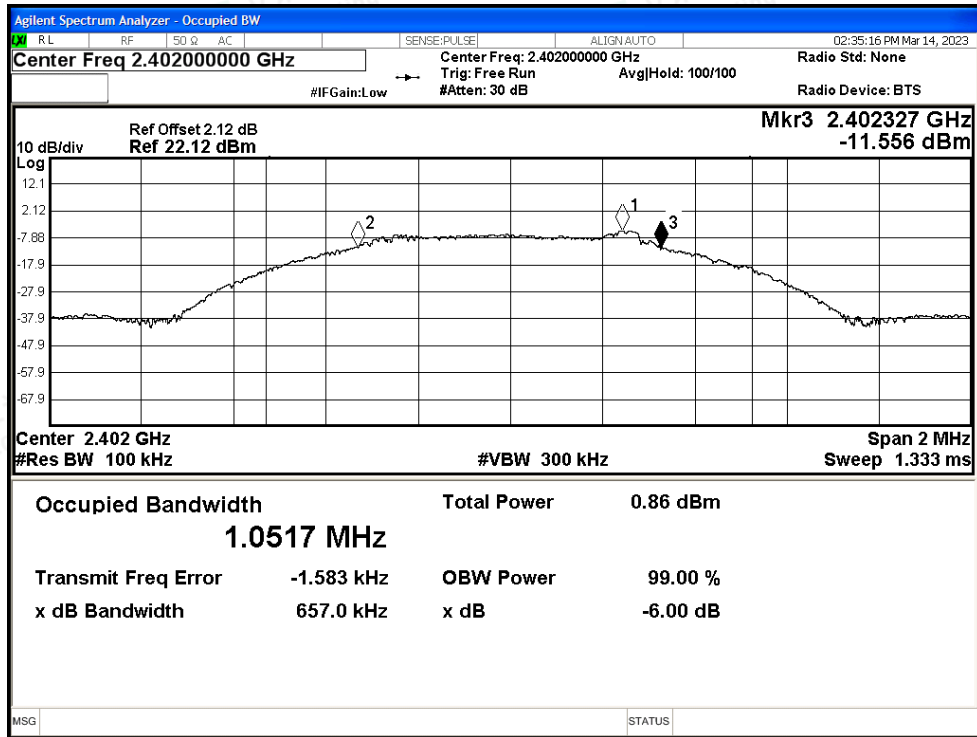
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.657	$\geq 0.5$	Pass
NVNT	BLE 1M	2440	Ant1	0.696	$\geq 0.5$	Pass
NVNT	BLE 1M	2480	Ant1	0.692	$\geq 0.5$	Pass
NVNT	BLE 2M	2402	Ant1	1.119	$\geq 0.5$	Pass
NVNT	BLE 2M	2440	Ant1	1.11	$\geq 0.5$	Pass
NVNT	BLE 2M	2480	Ant1	1.256	$\geq 0.5$	Pass



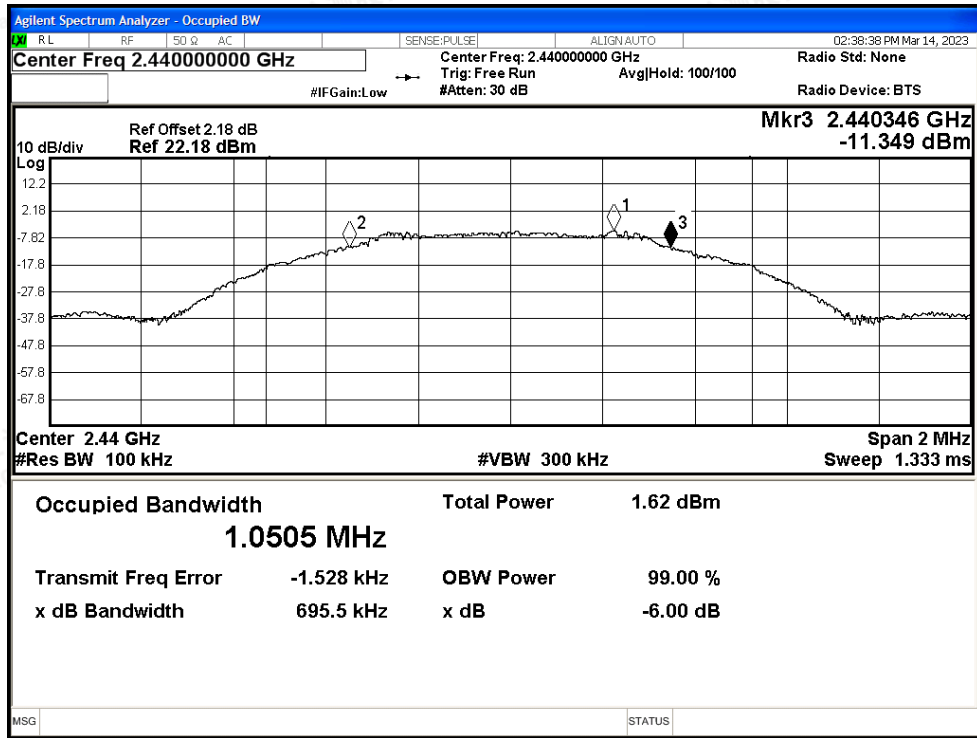


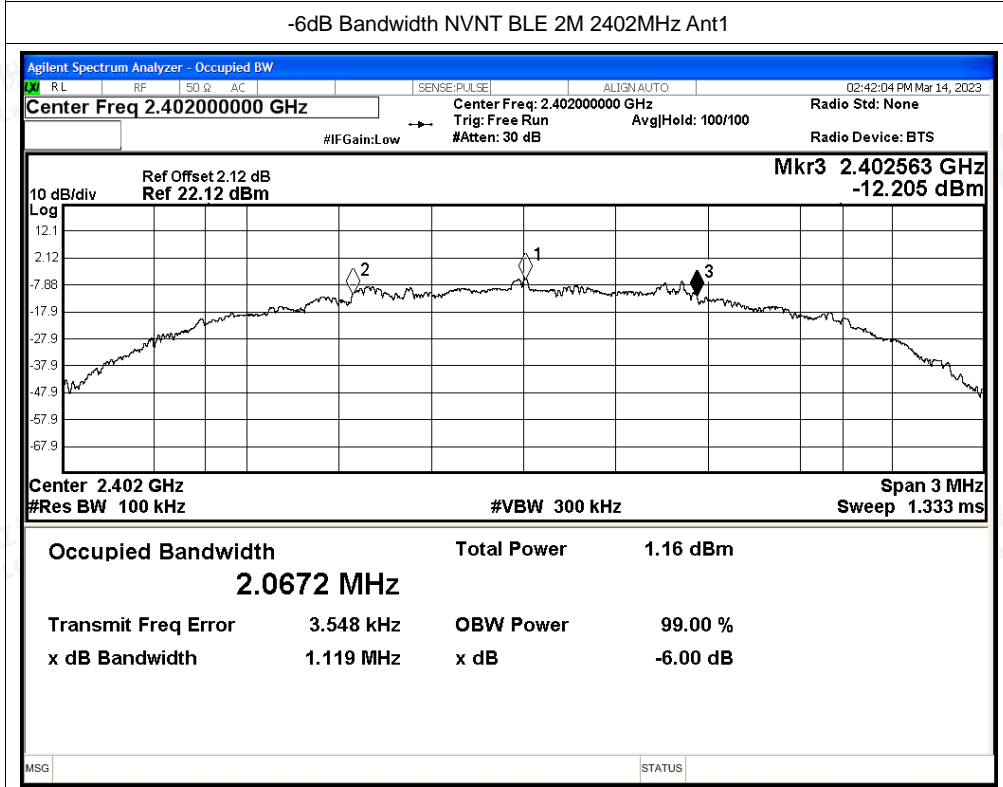
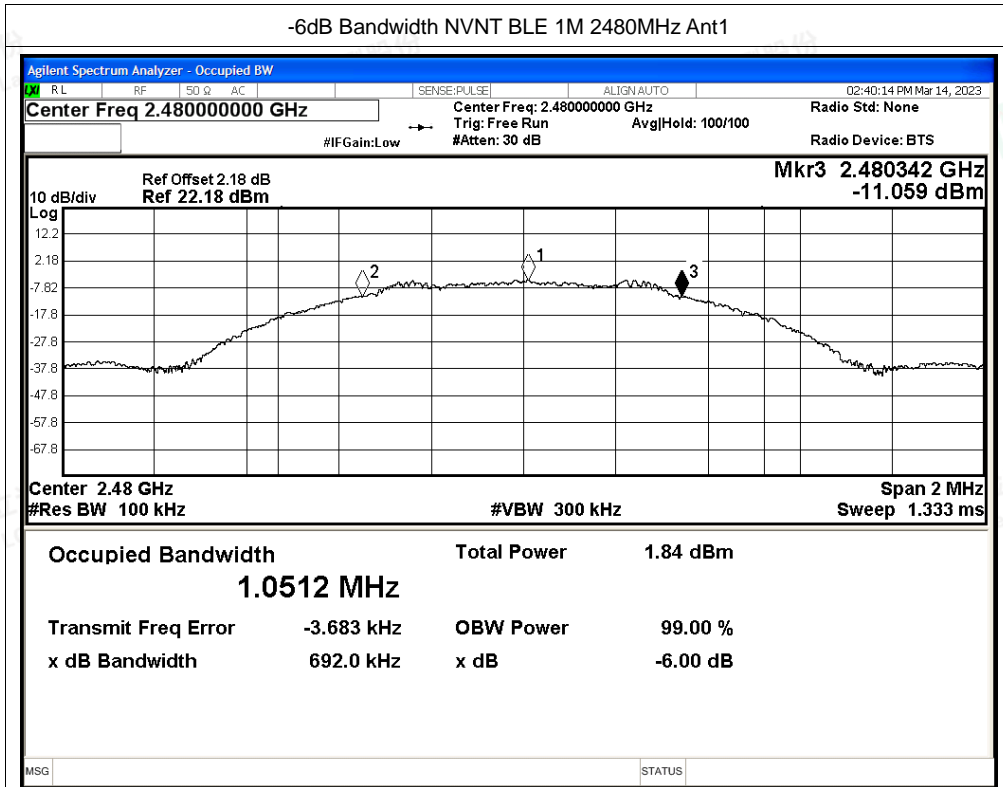
Test Graphs

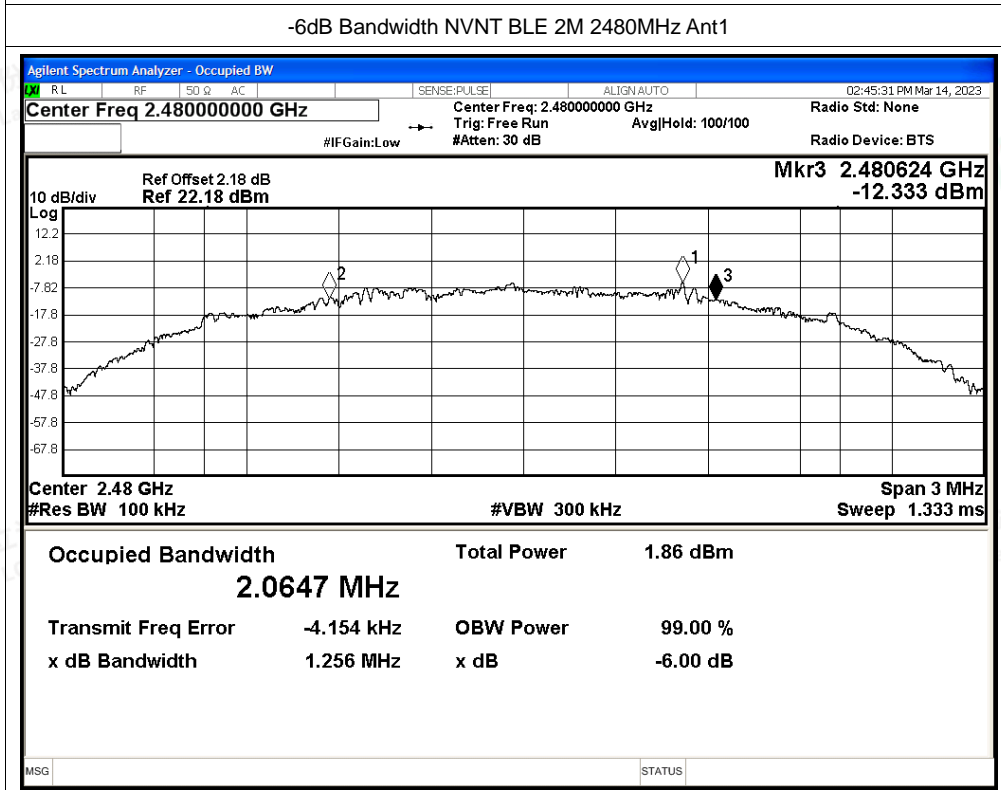
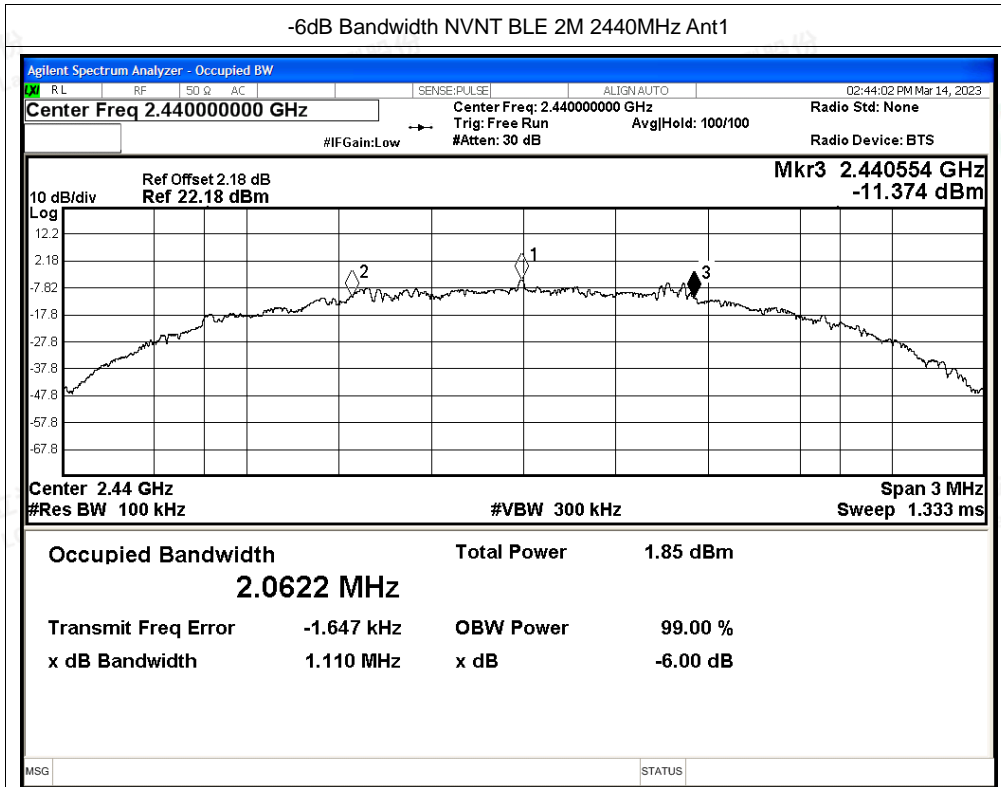
-6dB Bandwidth NVNT BLE 1M 2402MHz Ant1



-6dB Bandwidth NVNT BLE 1M 2440MHz Ant1









## B.2 Maximum Conducted Output Power

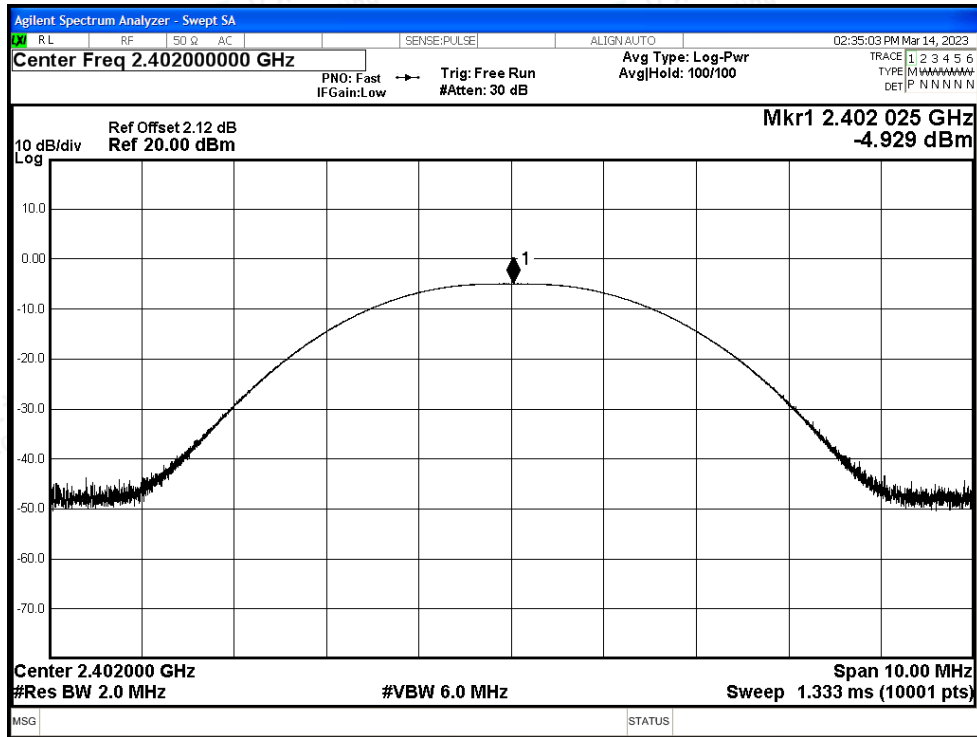
Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-4.93	30	Pass
NVNT	BLE 1M	2440	Ant1	-4.19	30	Pass
NVNT	BLE 1M	2480	Ant1	-4.01	30	Pass
NVNT	BLE 2M	2402	Ant1	-5	30	Pass
NVNT	BLE 2M	2440	Ant1	-4.24	30	Pass
NVNT	BLE 2M	2480	Ant1	-4.04	30	Pass



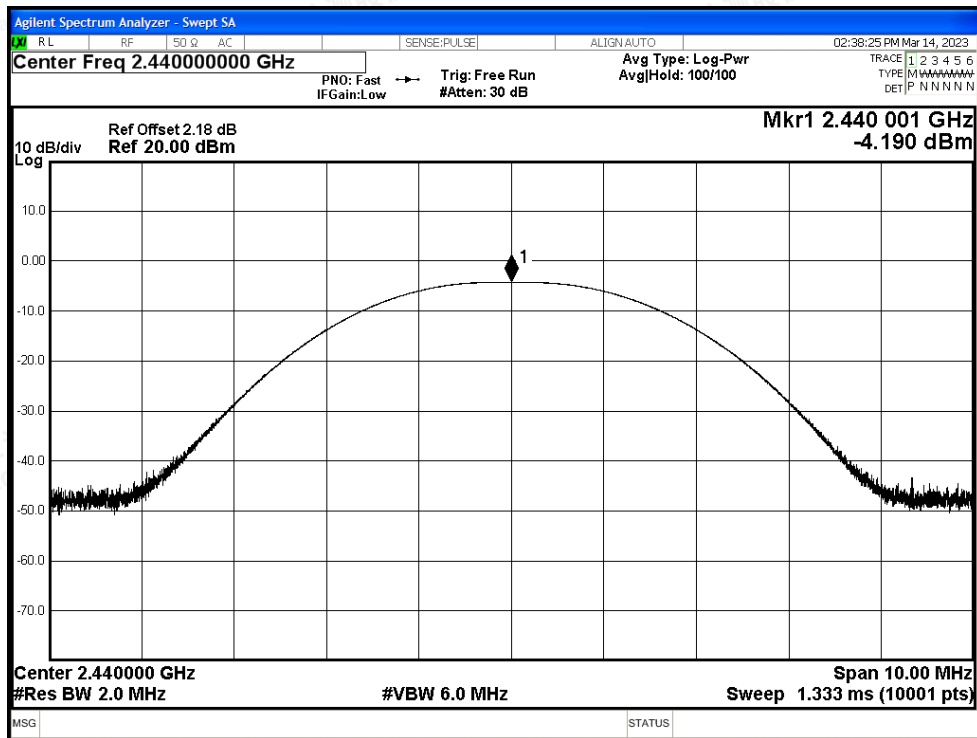


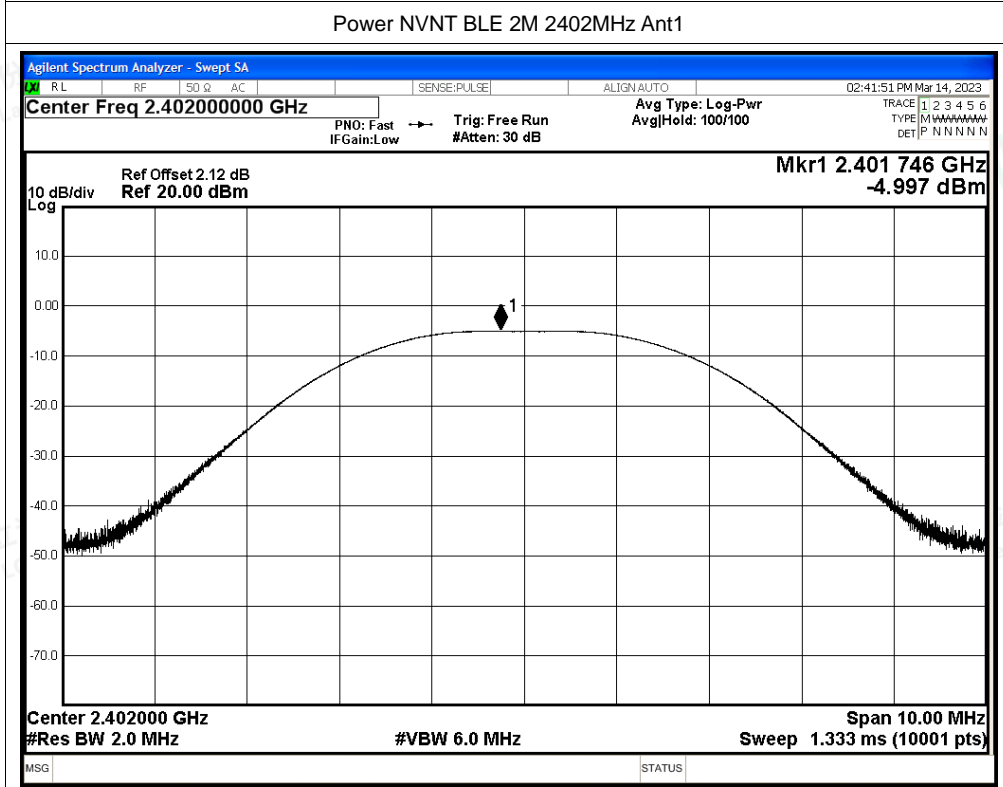
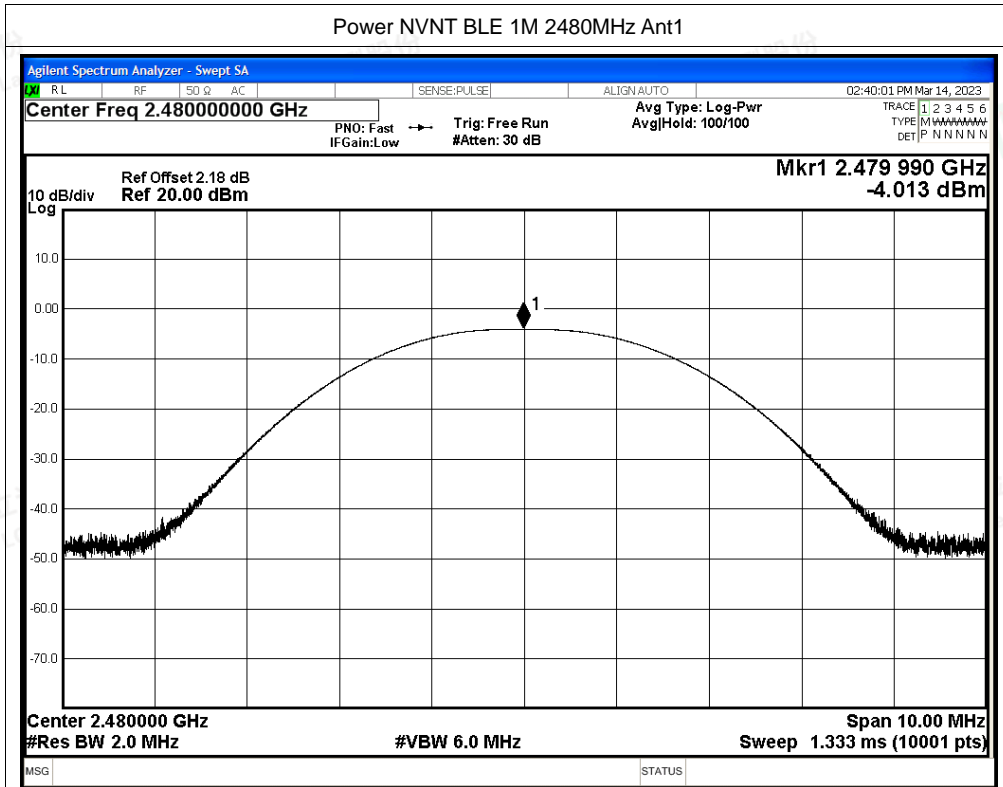
Test Graphs

Power NVNT BLE 1M 2402MHz Ant1

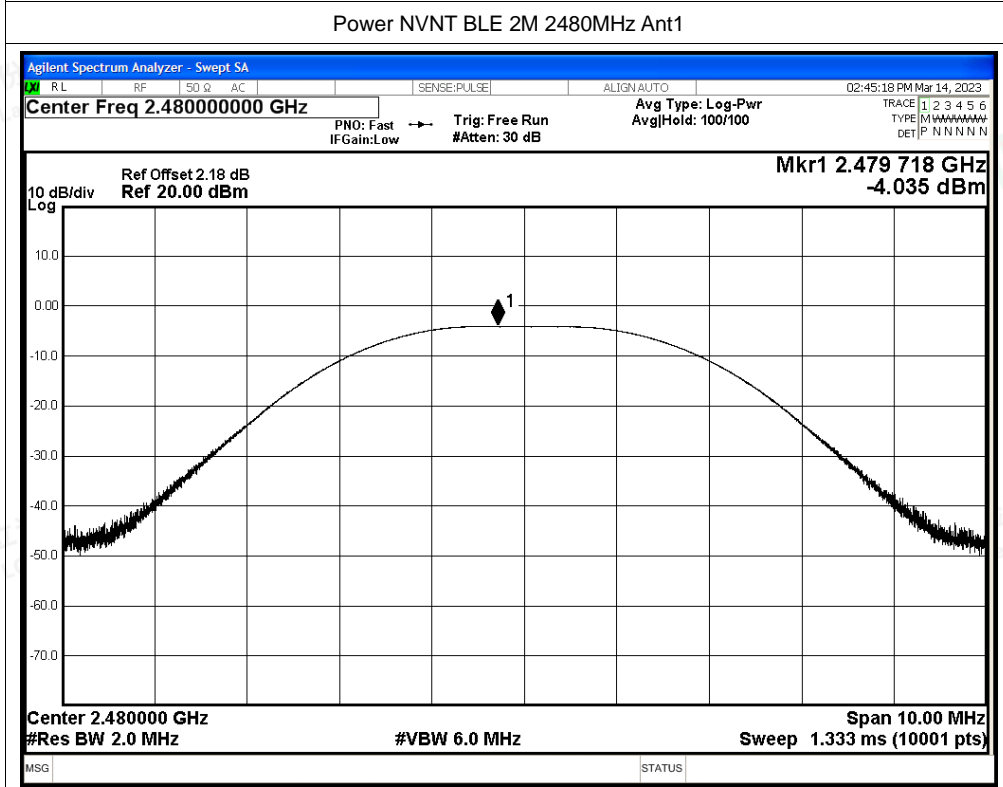
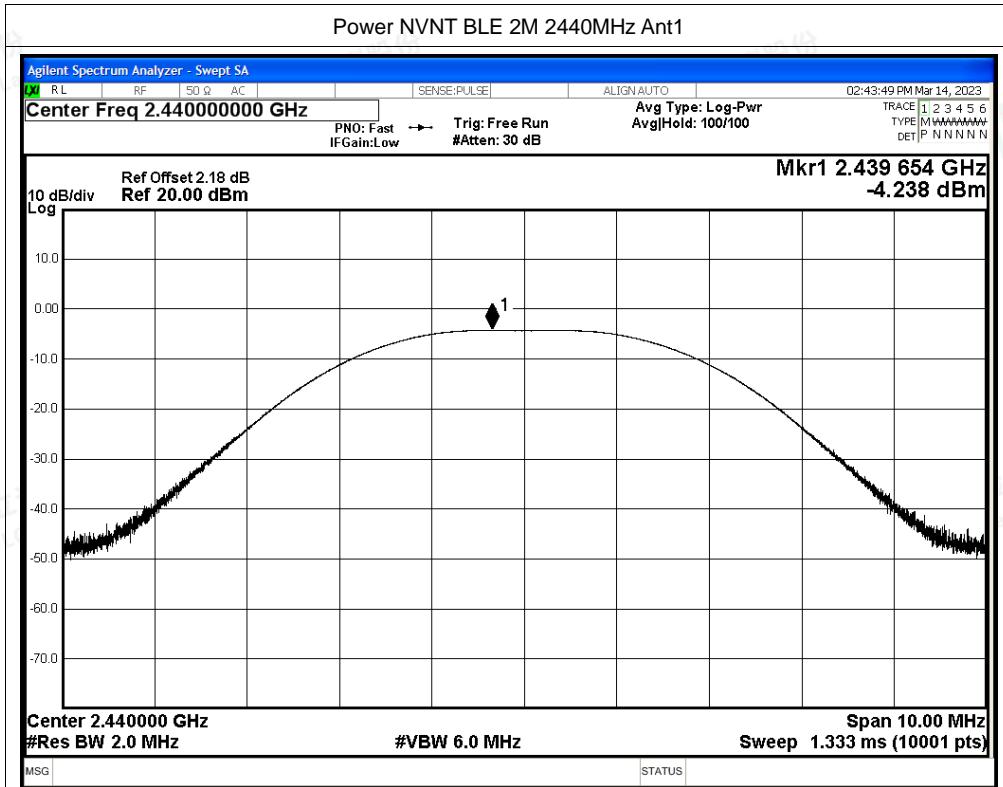


Power NVNT BLE 1M 2440MHz Ant1











### B.3 Maximum Power Spectral Density Level

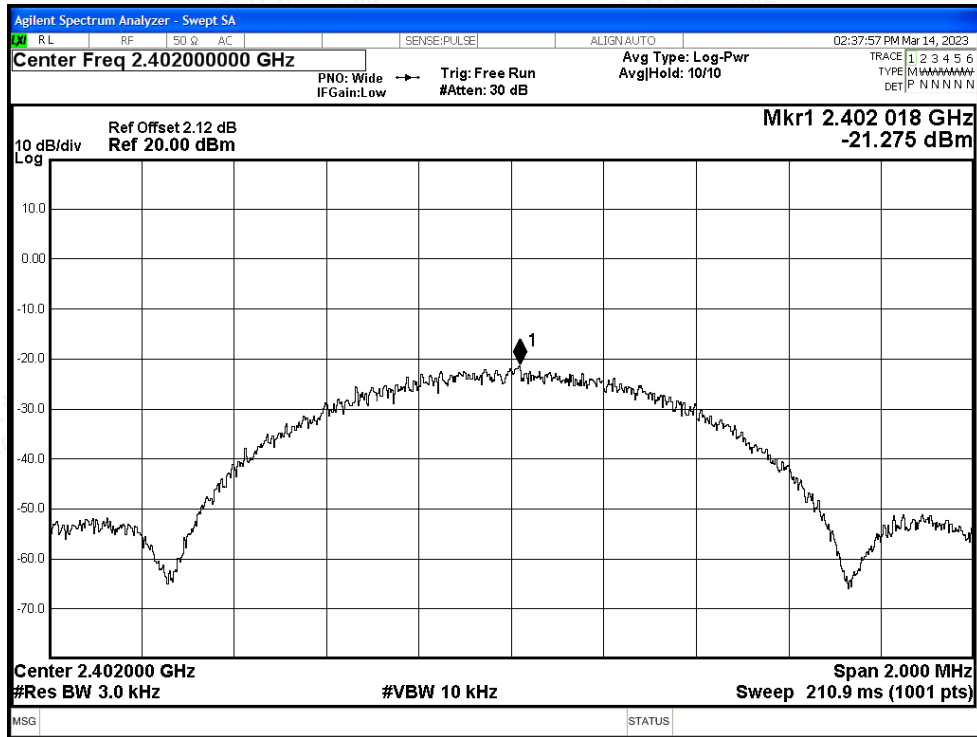
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-21.28	0	-21.28	8	Pass
NVNT	BLE 1M	2440	Ant1	-20.72	0	-20.72	8	Pass
NVNT	BLE 1M	2480	Ant1	-20.62	0	-20.62	8	Pass
NVNT	BLE 2M	2402	Ant1	-24.93	0	-24.93	8	Pass
NVNT	BLE 2M	2440	Ant1	-23.23	0	-23.23	8	Pass
NVNT	BLE 2M	2480	Ant1	-22.99	0	-22.99	8	Pass



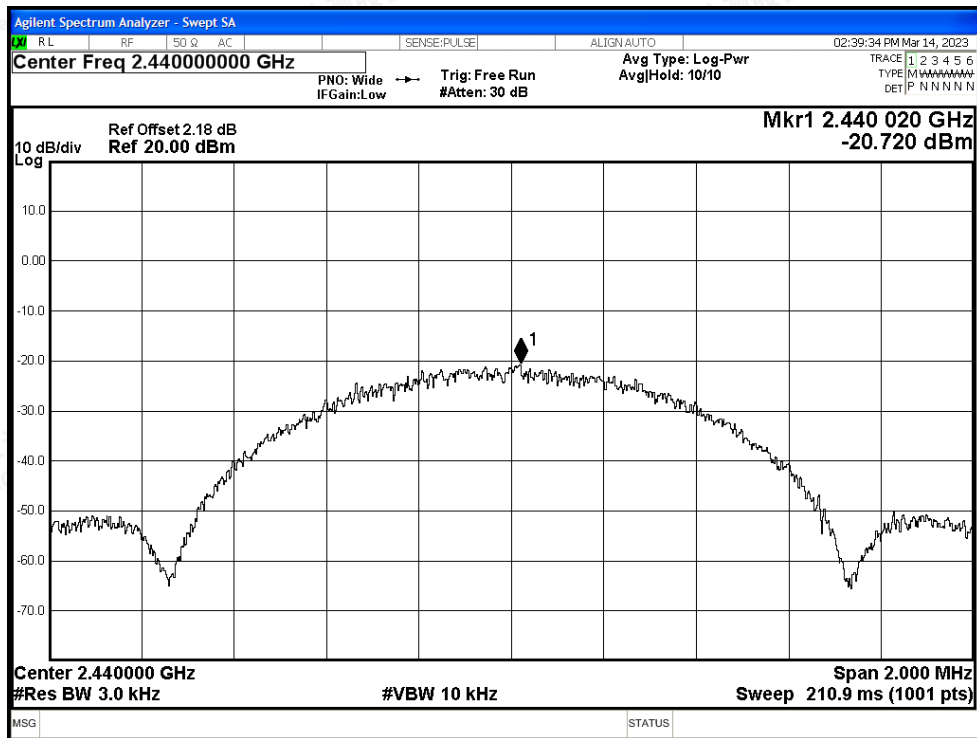


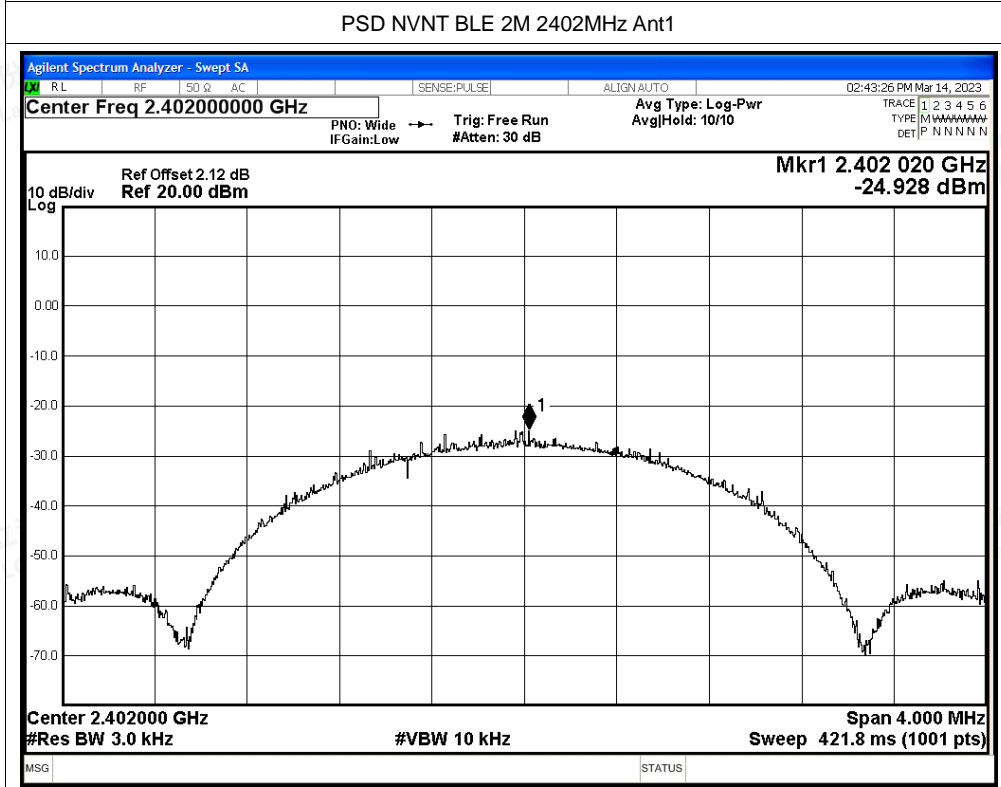
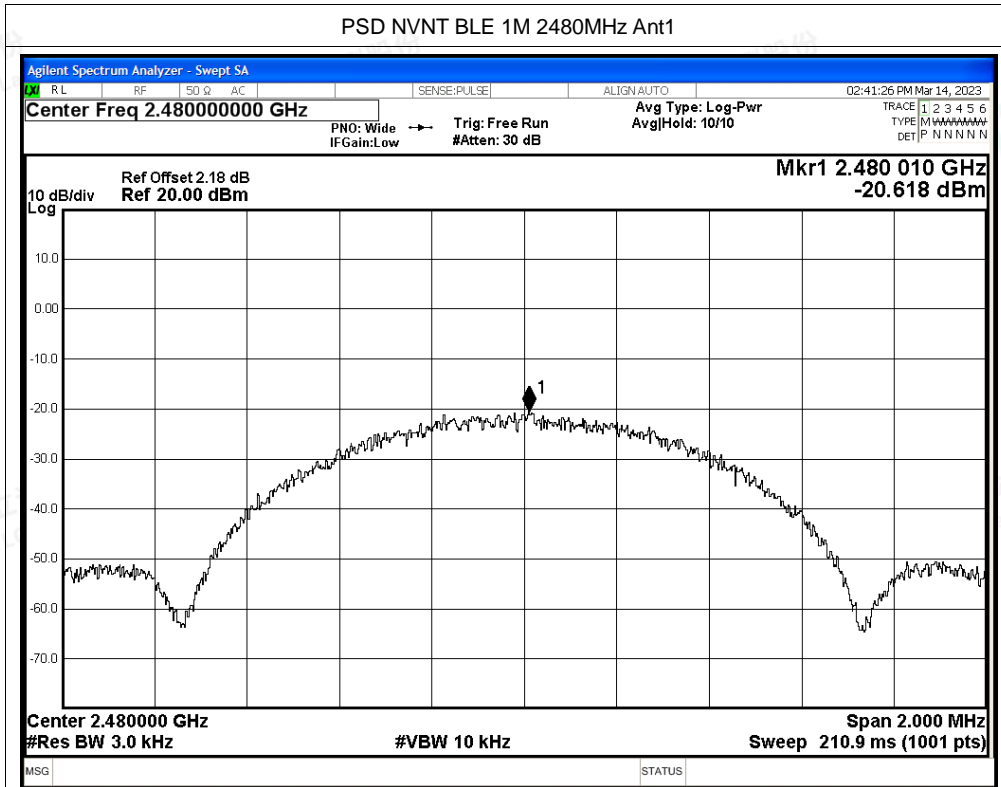
Test Graphs

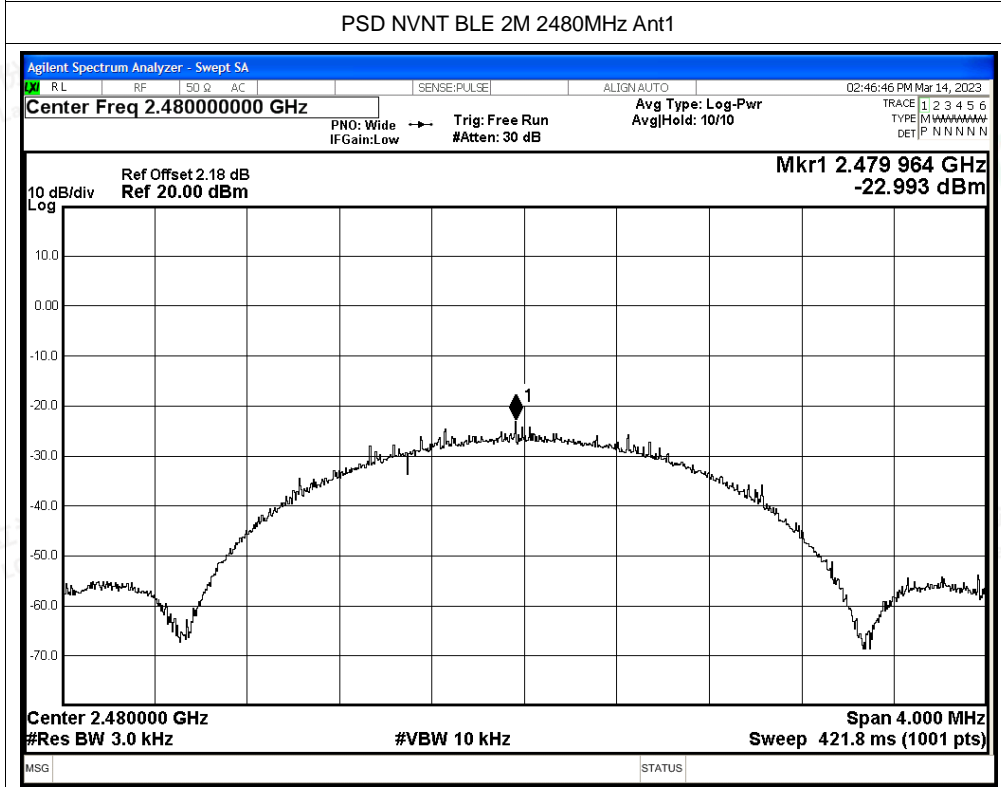
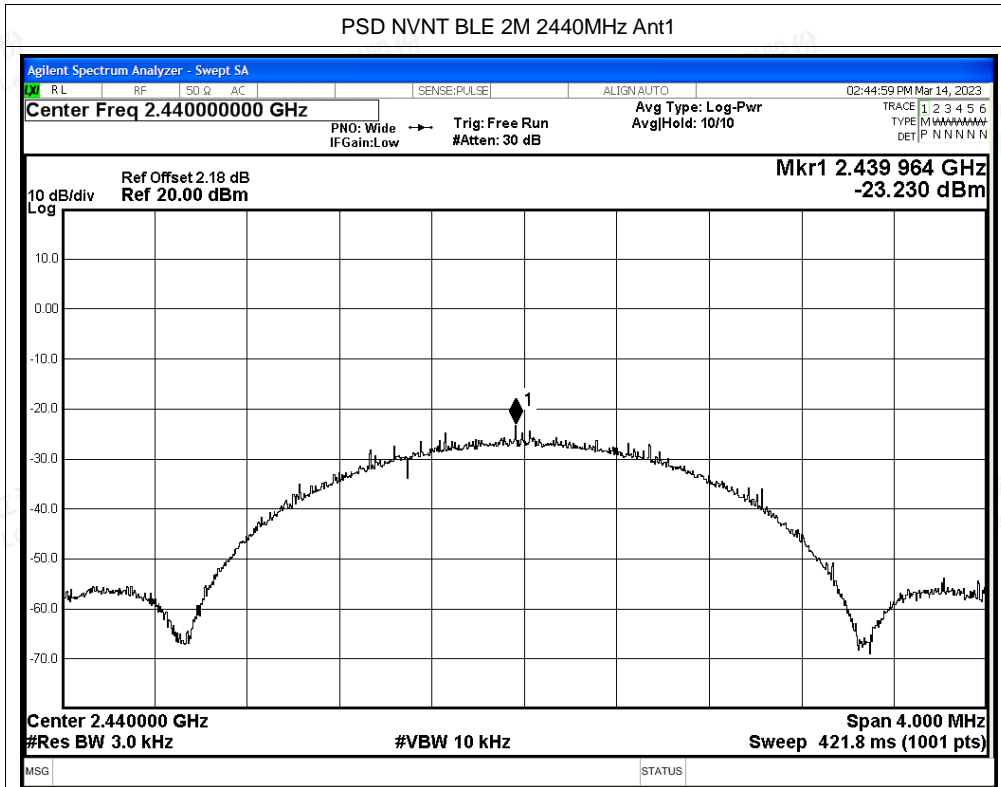
PSD NVNT BLE 1M 2402MHz Ant1



PSD NVNT BLE 1M 2440MHz Ant1









## B.4 Band Edge

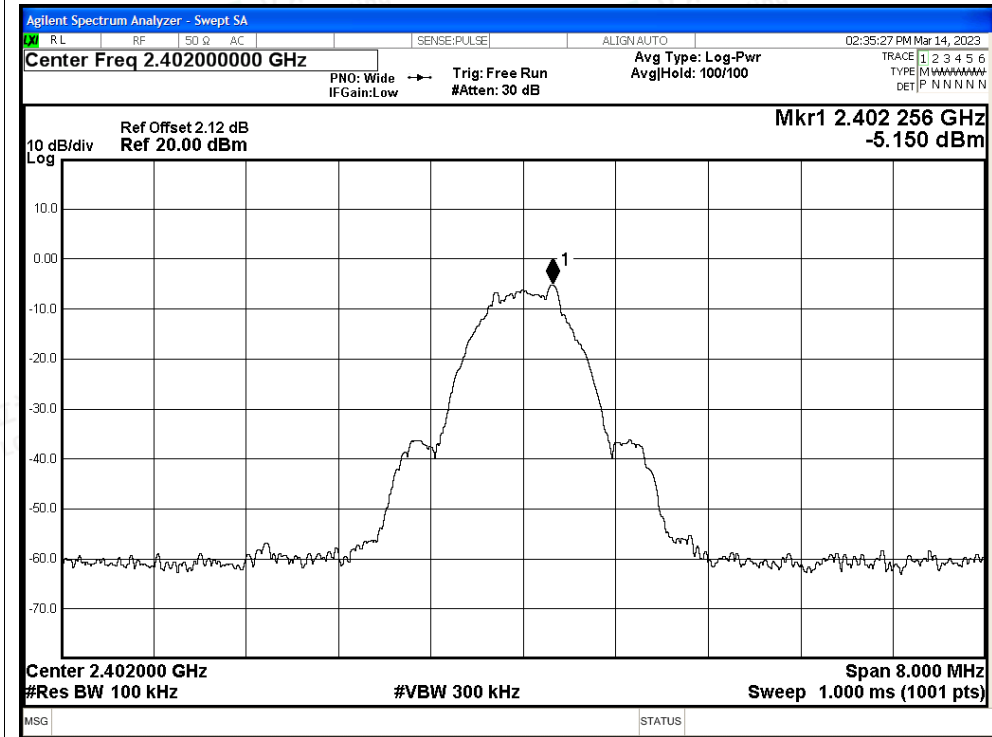
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-51.66	-20	Pass
NVNT	BLE 1M	2480	Ant1	-52.02	-20	Pass
NVNT	BLE 2M	2402	Ant1	-32.4	-20	Pass
NVNT	BLE 2M	2480	Ant1	-50.37	-20	Pass



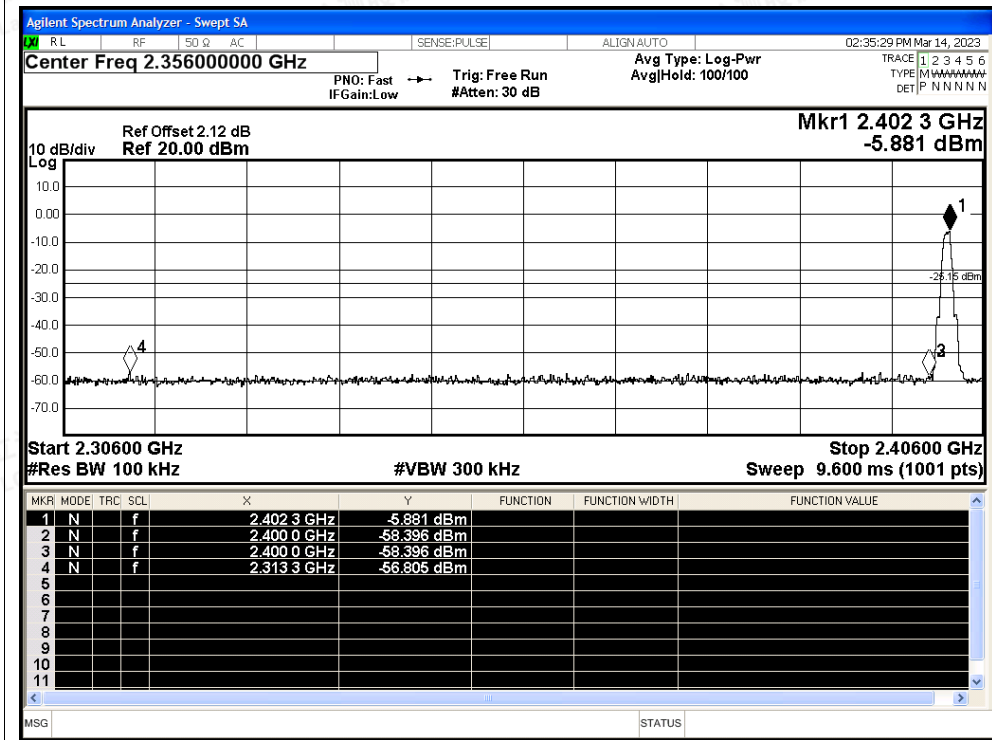


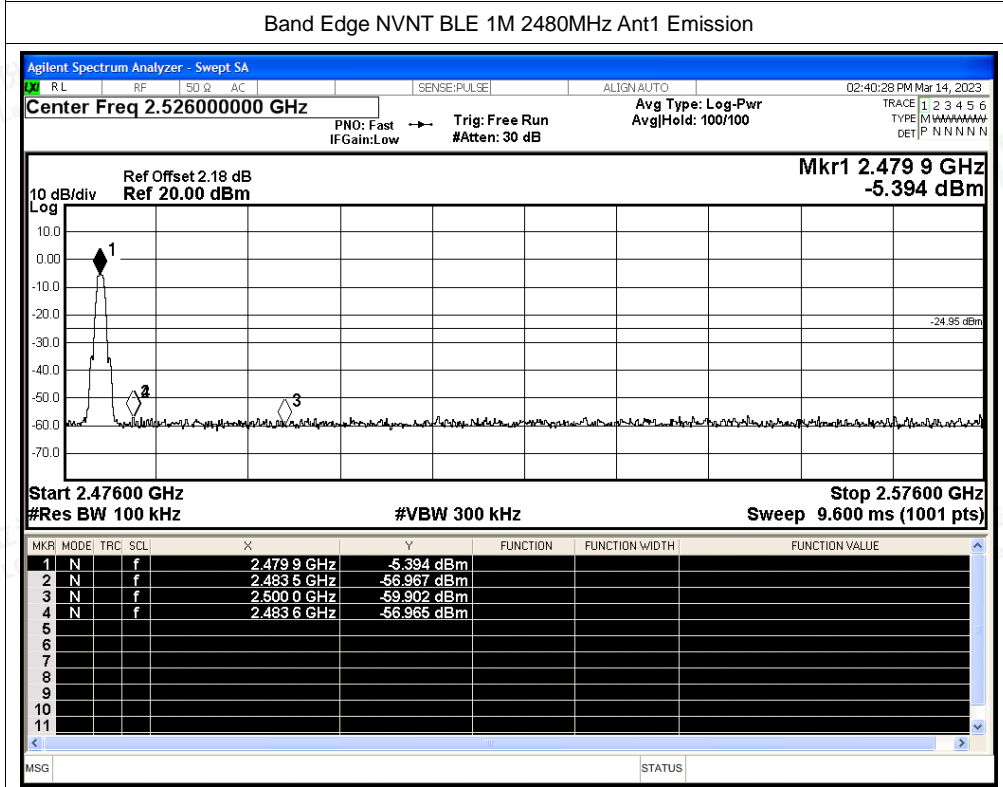
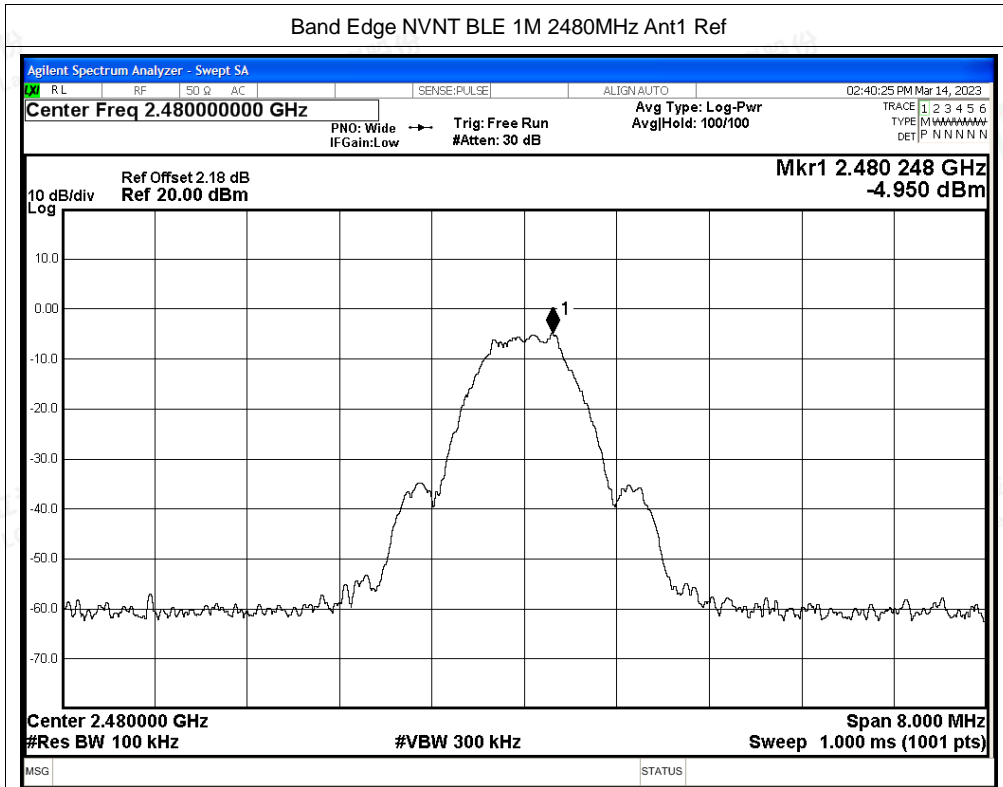
Test Graphs

Band Edge NVNT BLE 1M 2402MHz Ant1 Ref

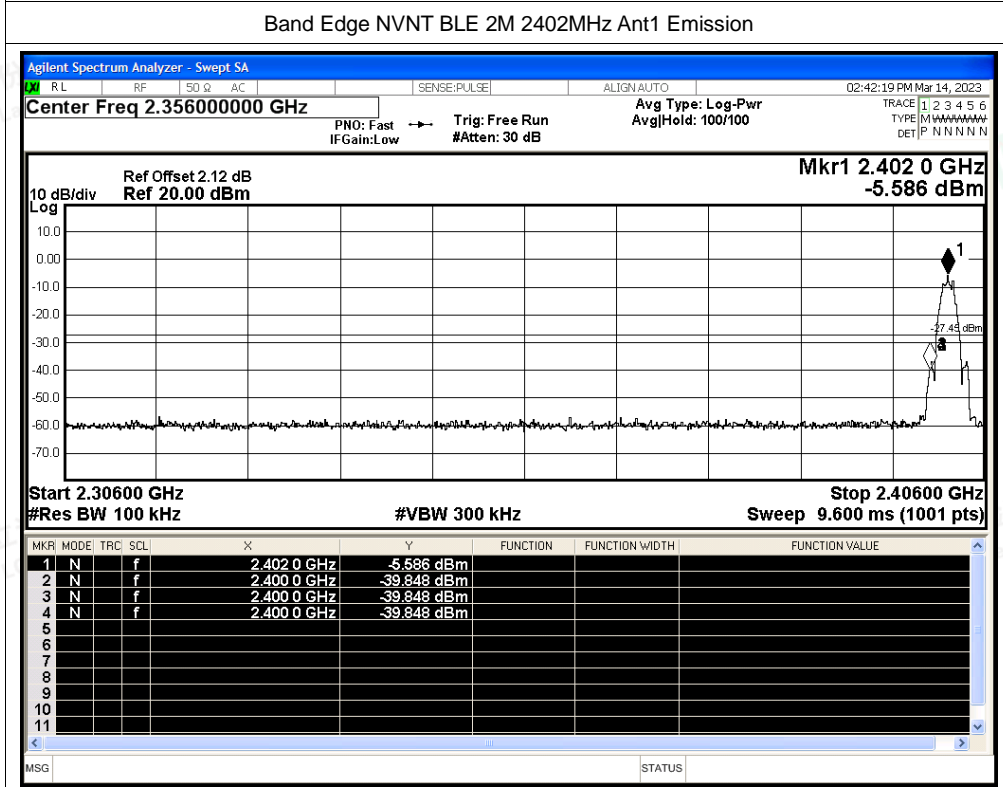
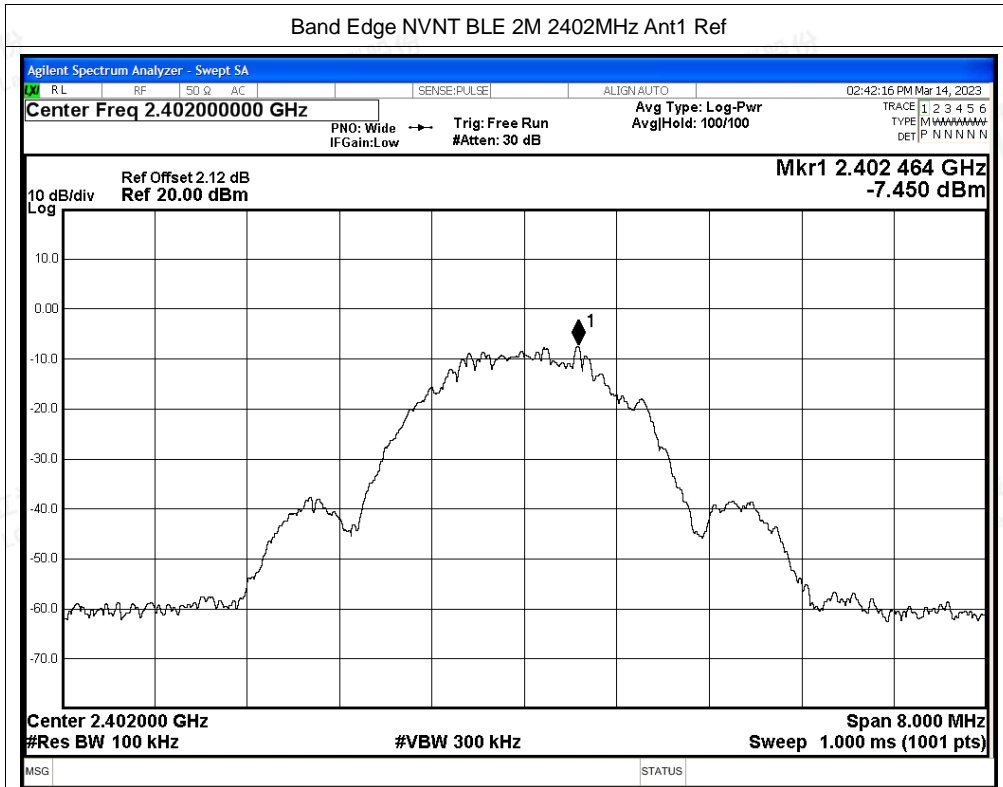


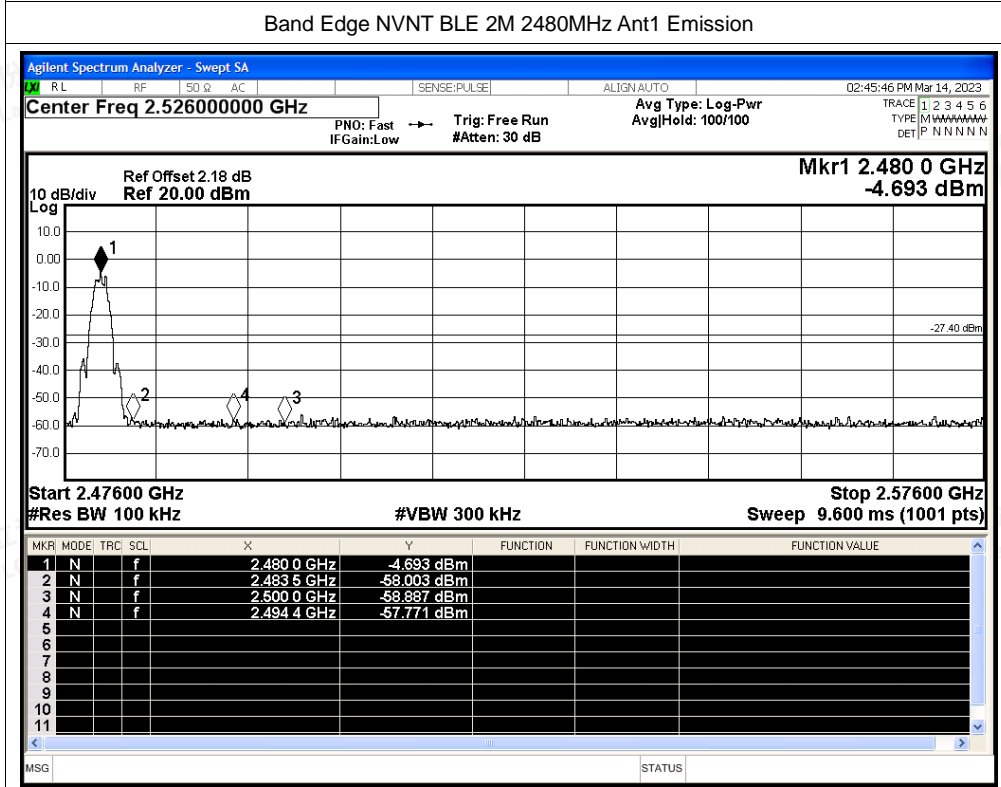
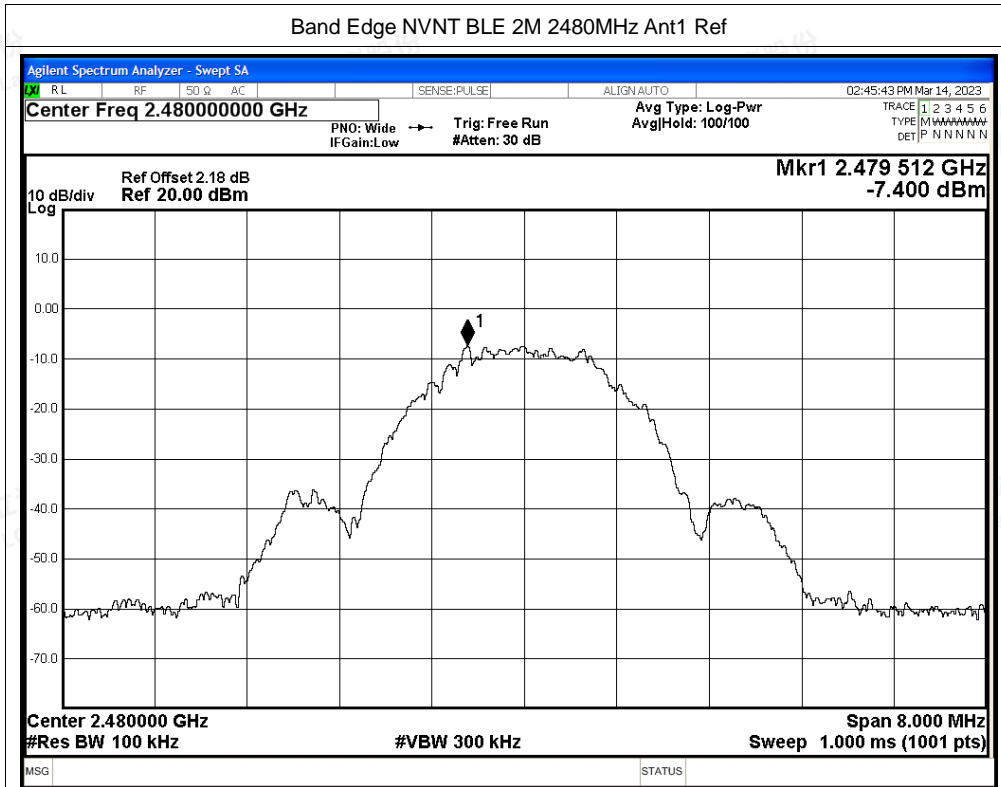
Band Edge NVNT BLE 1M 2402MHz Ant1 Emission













## B.5 Conducted RF Spurious Emission

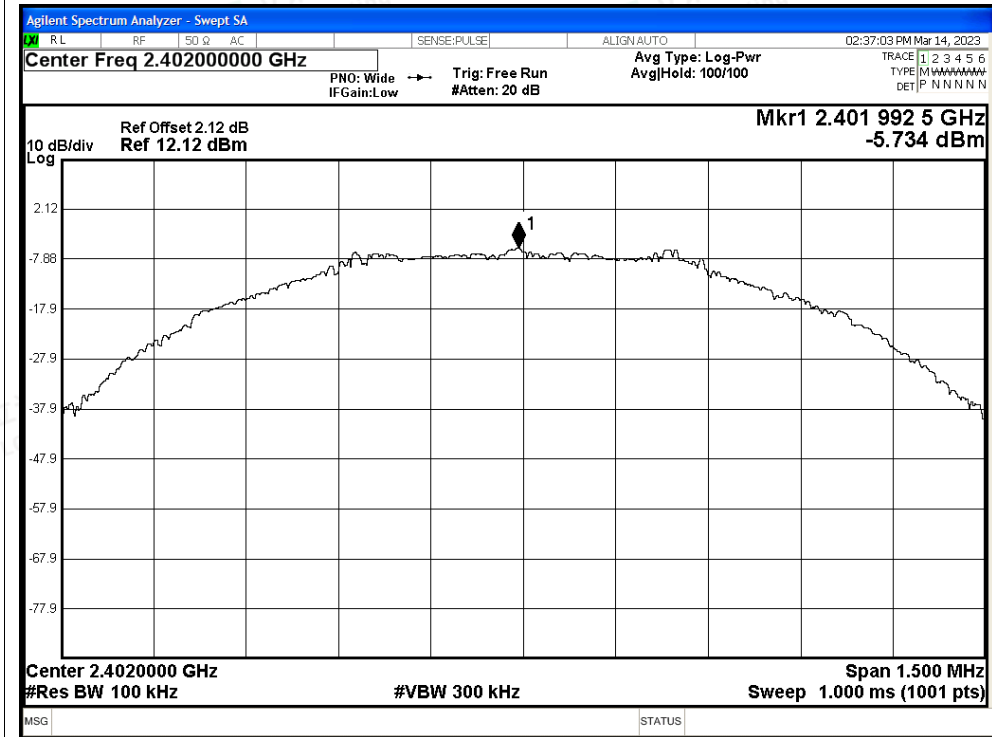
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-49.79	-20	Pass
NVNT	BLE 1M	2440	Ant1	-50.29	-20	Pass
NVNT	BLE 1M	2480	Ant1	-50.59	-20	Pass
NVNT	BLE 2M	2402	Ant1	-48.79	-20	Pass
NVNT	BLE 2M	2440	Ant1	-49.85	-20	Pass
NVNT	BLE 2M	2480	Ant1	-50.24	-20	Pass





Test Graphs

Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Ref



Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Emission

