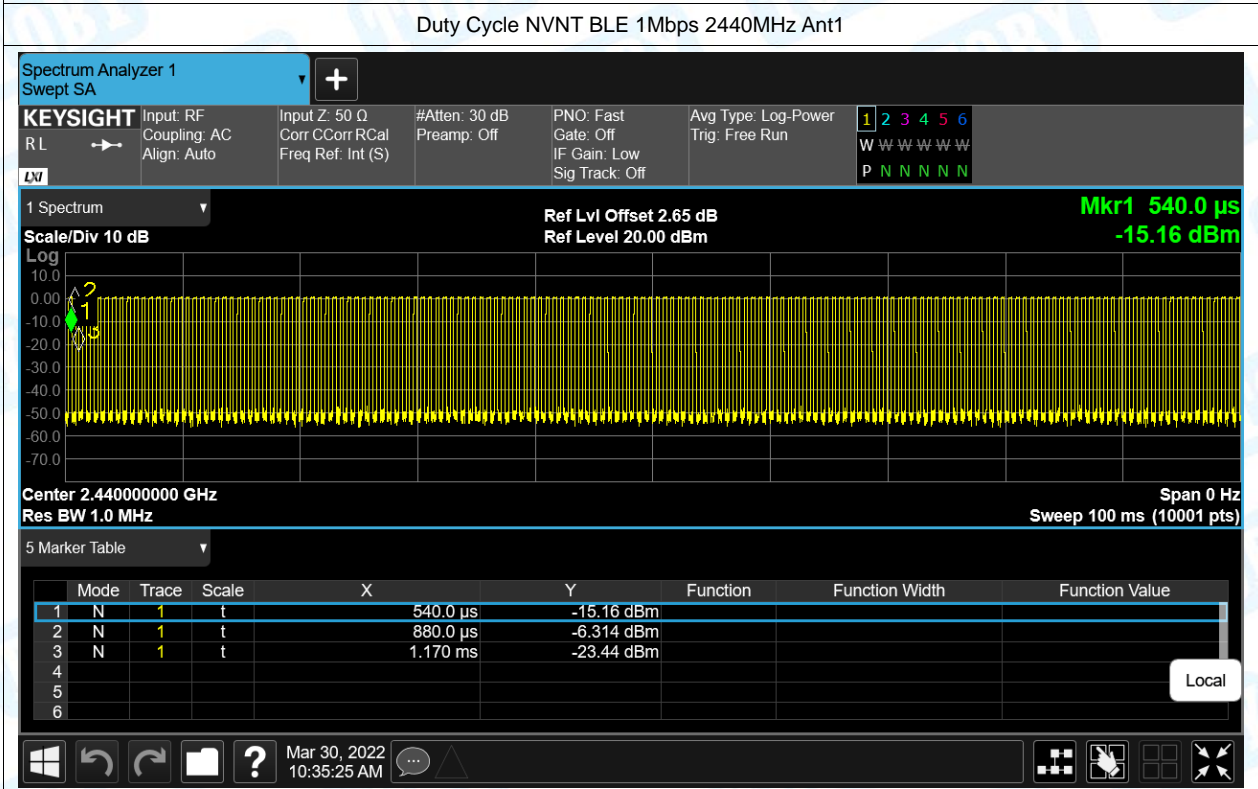
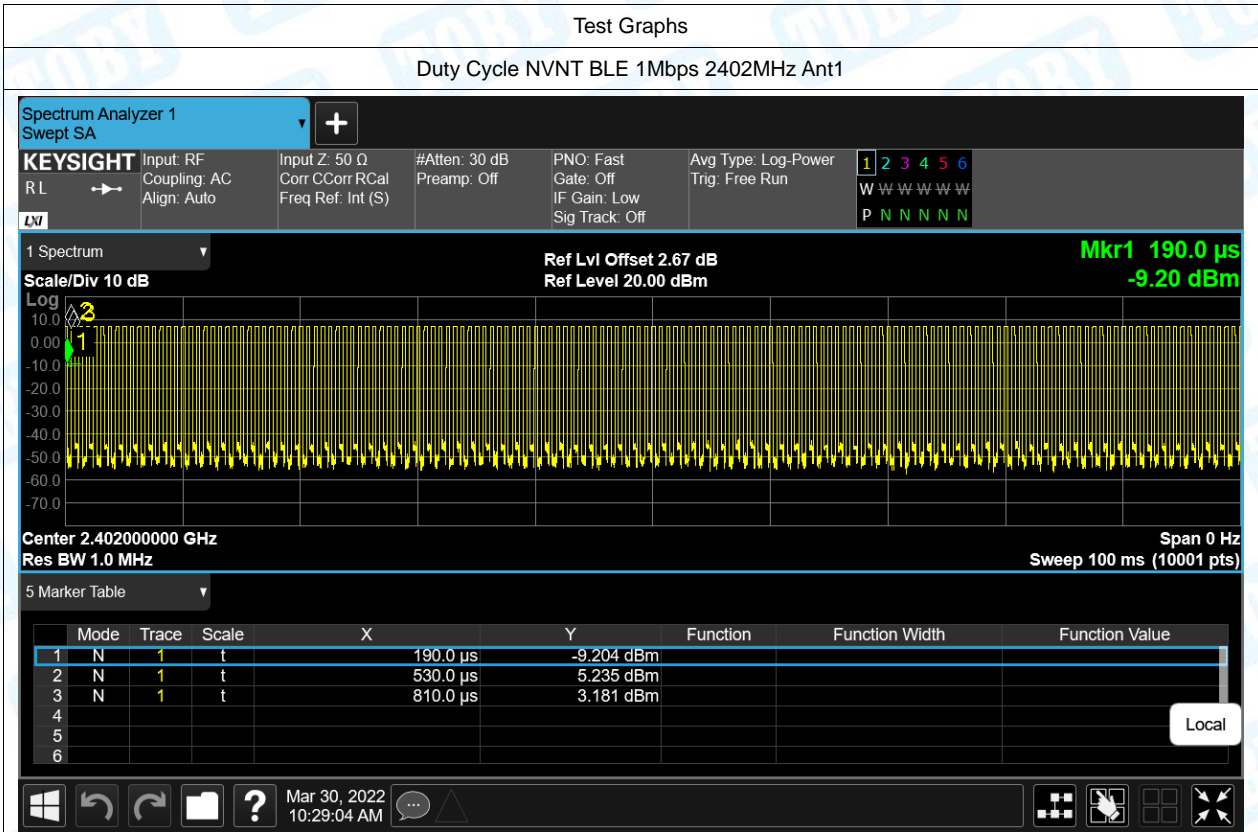


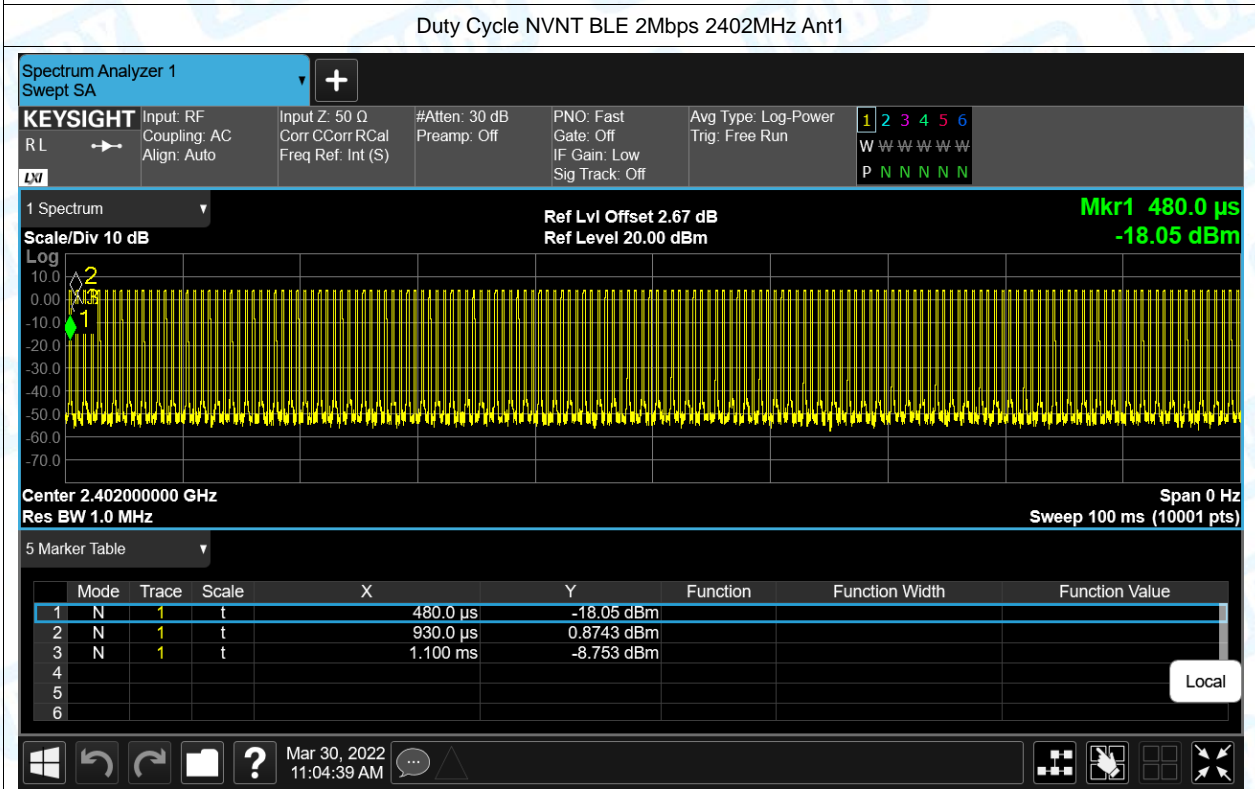
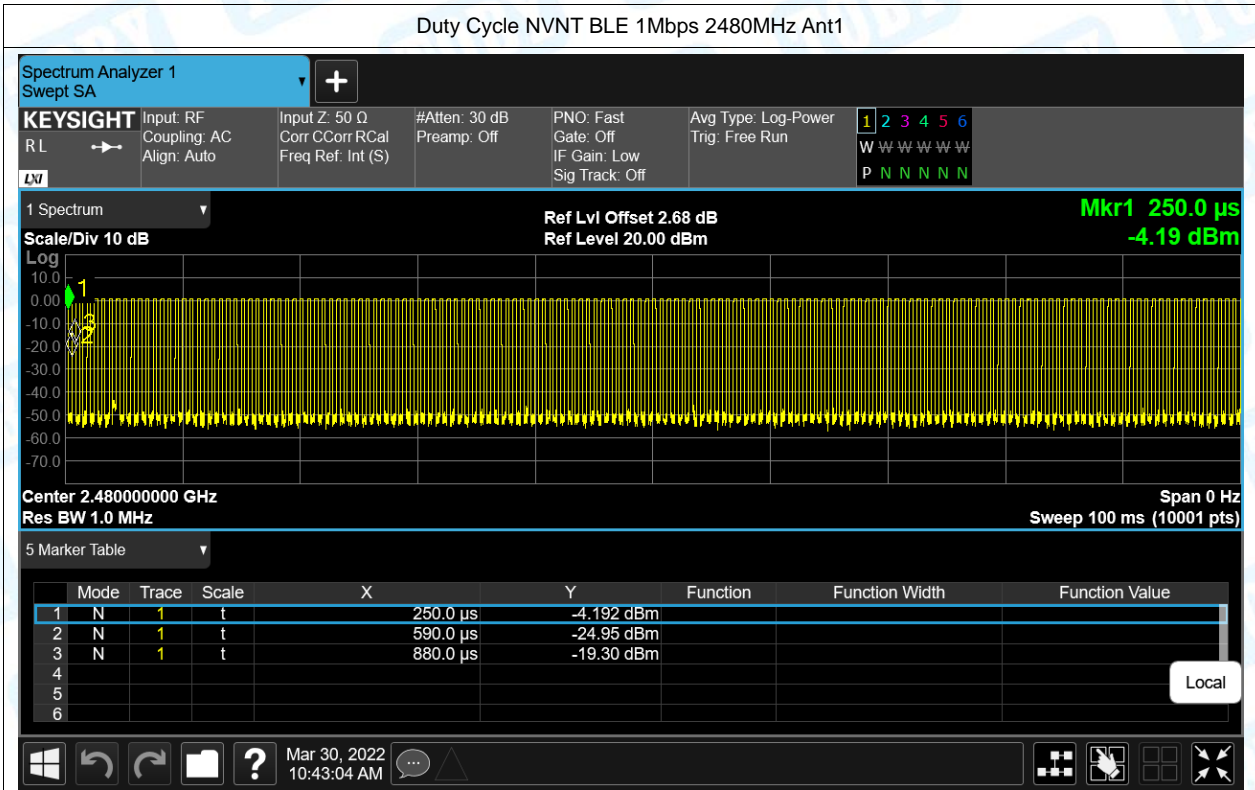
# RF Test Data for Bluetooth LE (Conducted Measurements)

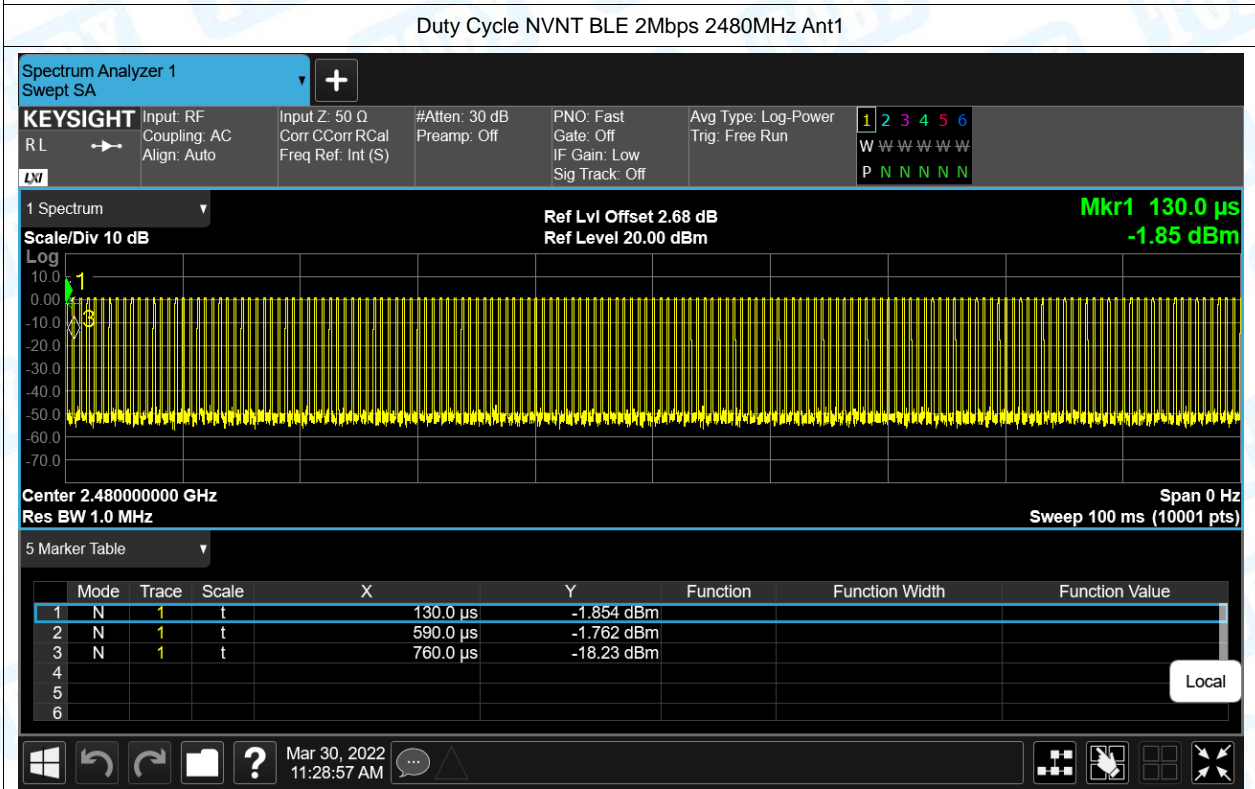
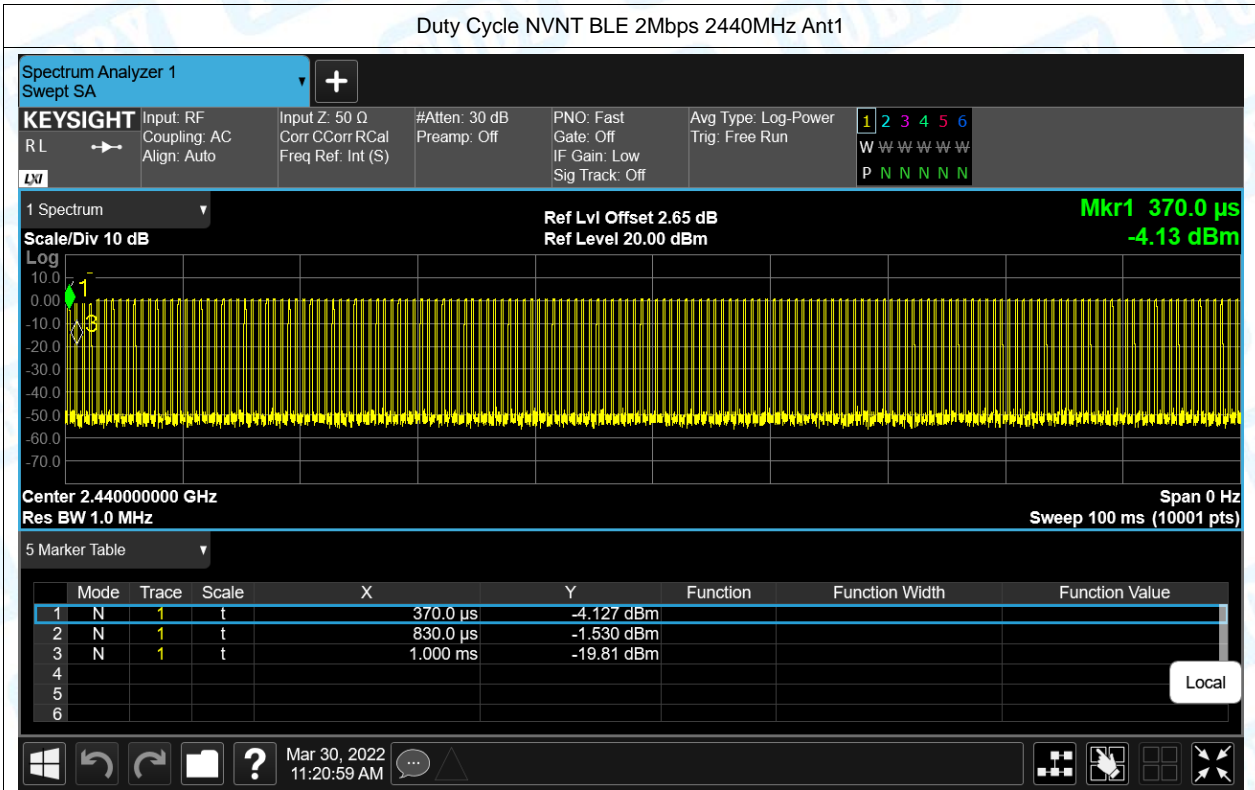
General Description of EUT	
Product Name:	Smart Watch
Test Model:	KT60
Sample ID:	202203-0044-1-2#
Environmental Conditions	
Temperature:	24°C
Relative Humidity:	50%
Test Voltage:	DC3.7V
Test Engineer:	Huangjianping
Note: For a more detailed features description, please refer to the report FCC TBR-C-202203-0044-1. Only show the worst NVNT.	

## Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1Mbps	2402	Ant1	47.21	3.26	3.57
NVNT	BLE 1Mbps	2440	Ant1	47.2	3.26	3.45
NVNT	BLE 1Mbps	2480	Ant1	46.46	3.33	3.45
NVNT	BLE 2Mbps	2402	Ant1	28.8	5.41	5.88
NVNT	BLE 2Mbps	2440	Ant1	28.8	5.41	5.88
NVNT	BLE 2Mbps	2480	Ant1	28.81	5.41	5.88

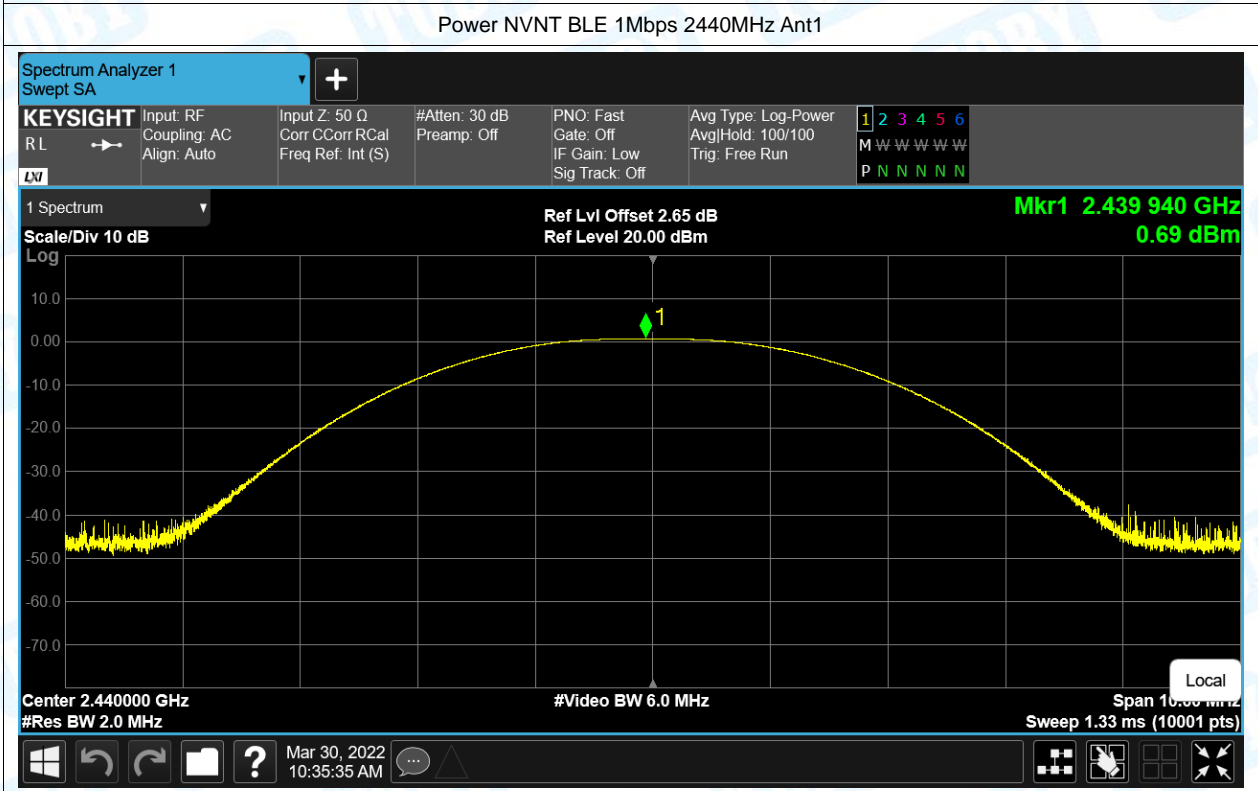
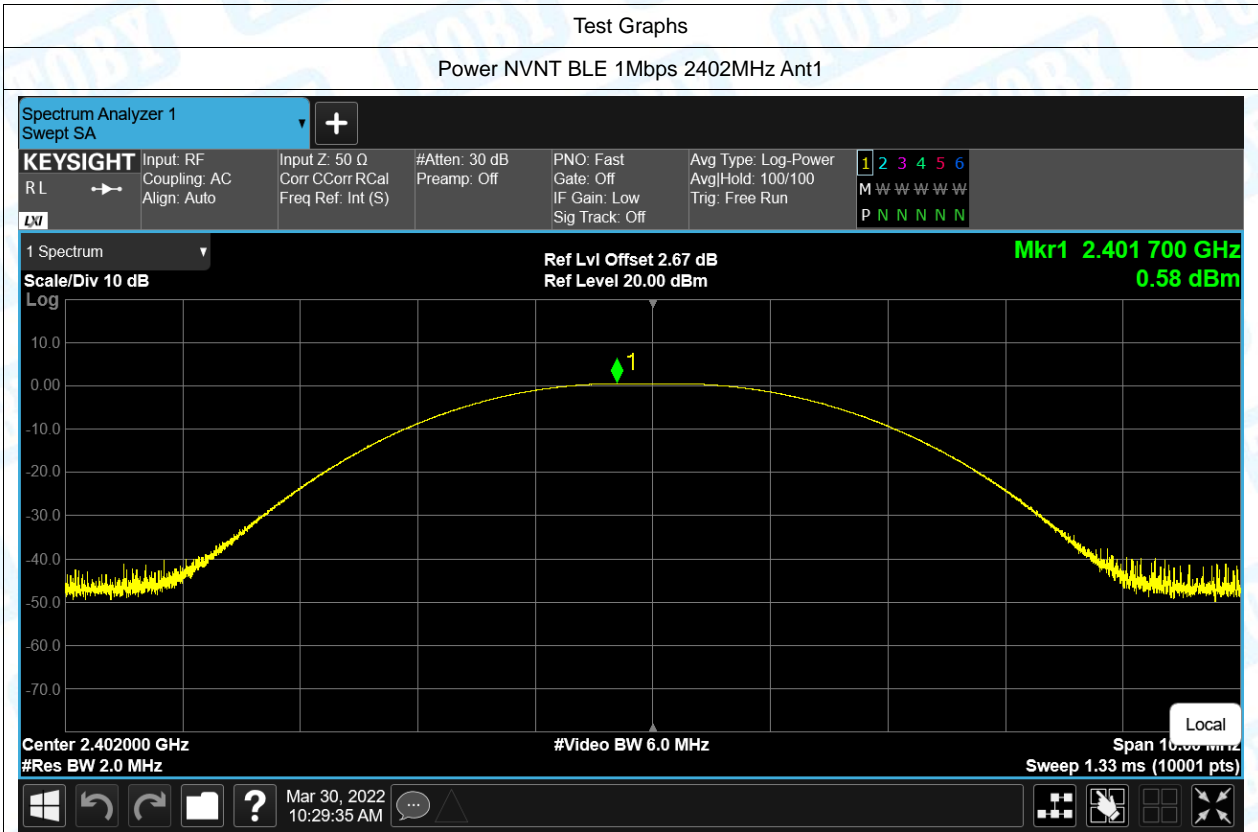


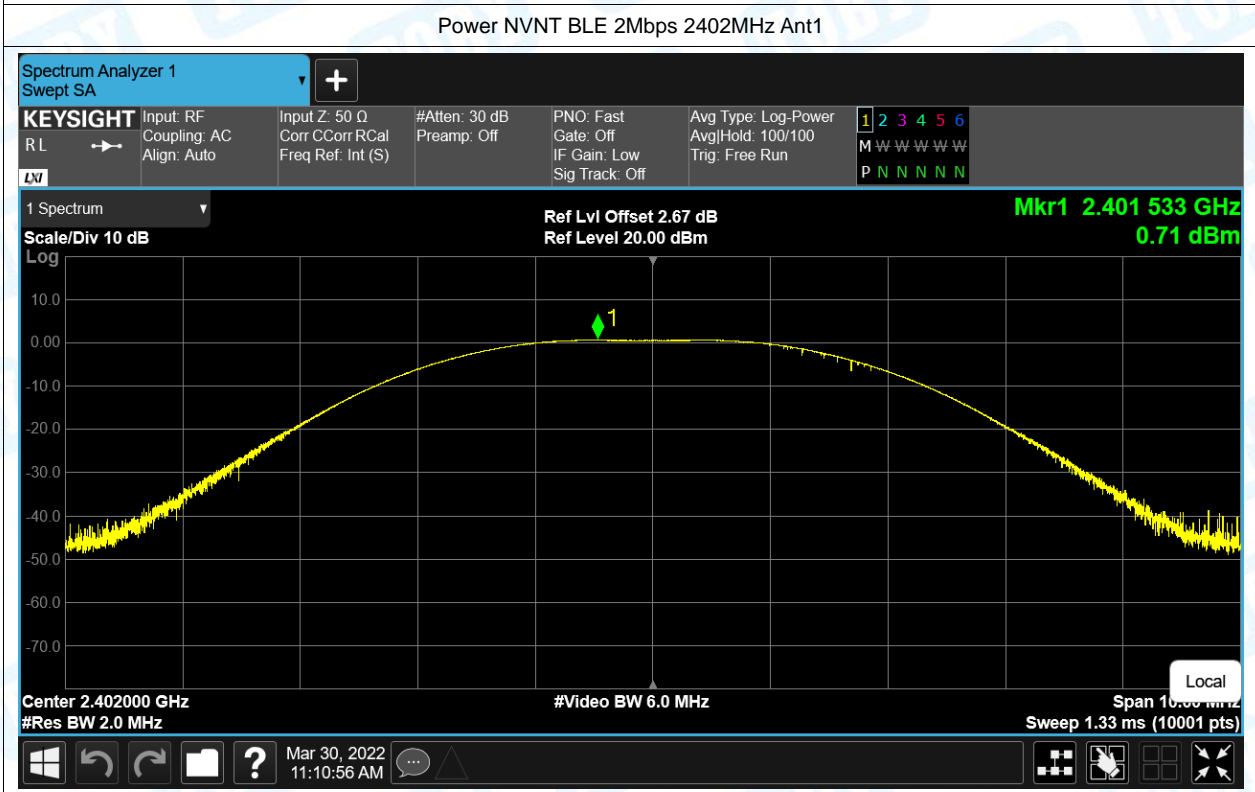
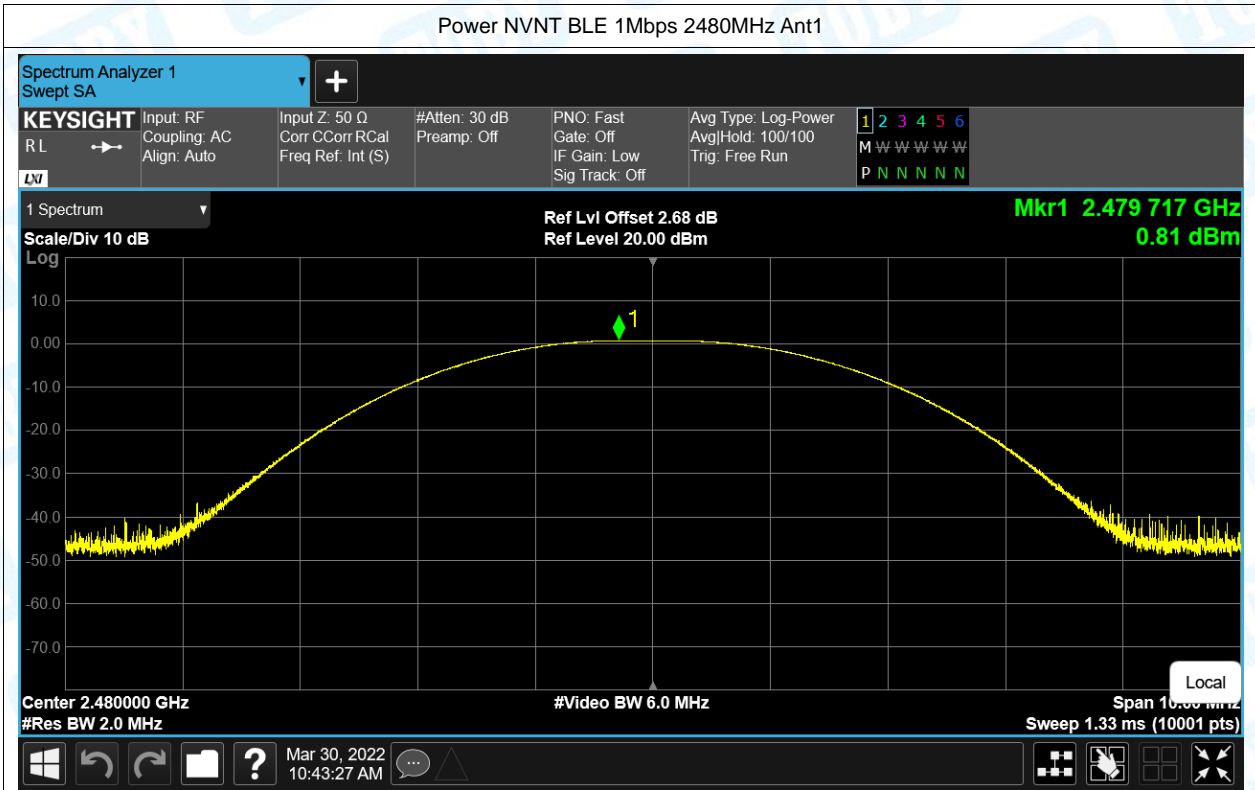


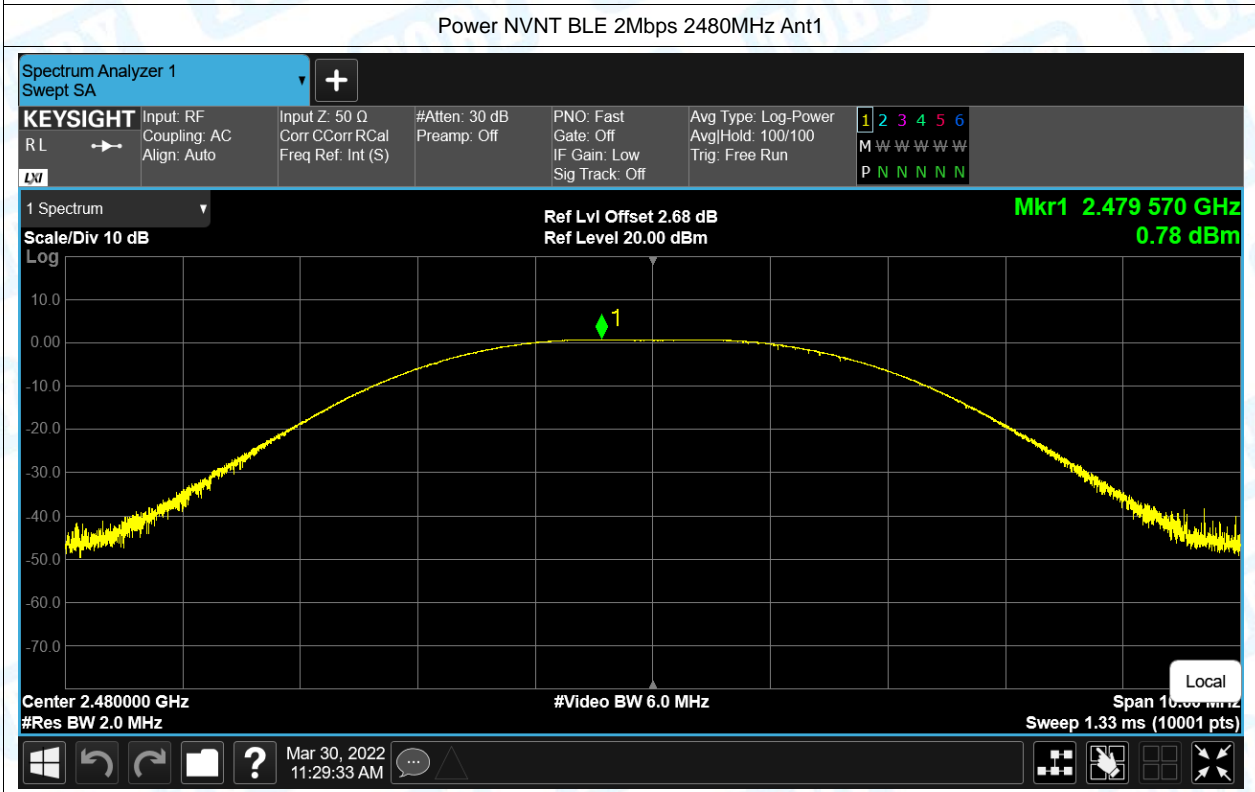
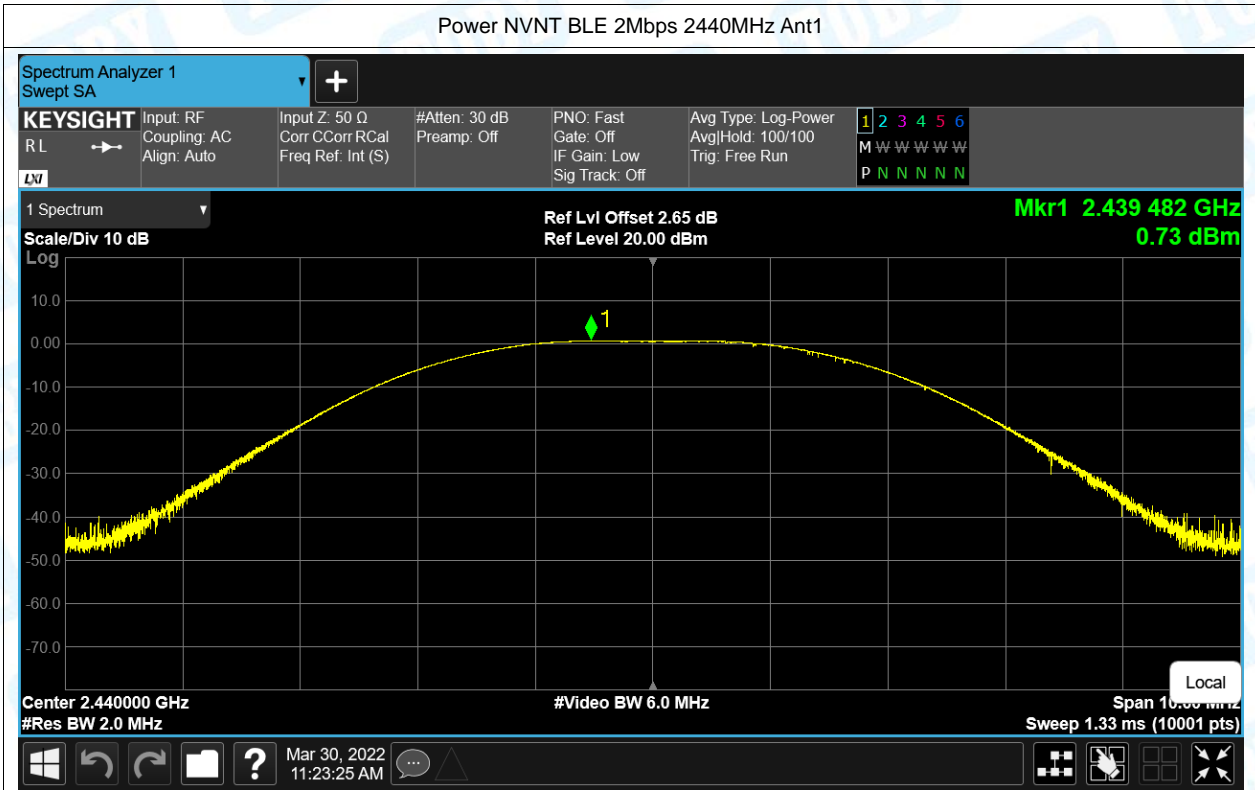


## Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	0.584	30	Pass
NVNT	BLE 1Mbps	2440	Ant1	0.687	30	Pass
NVNT	BLE 1Mbps	2480	Ant1	0.805	30	Pass
NVNT	BLE 2Mbps	2402	Ant1	0.706	30	Pass
NVNT	BLE 2Mbps	2440	Ant1	0.728	30	Pass
NVNT	BLE 2Mbps	2480	Ant1	0.777	30	Pass



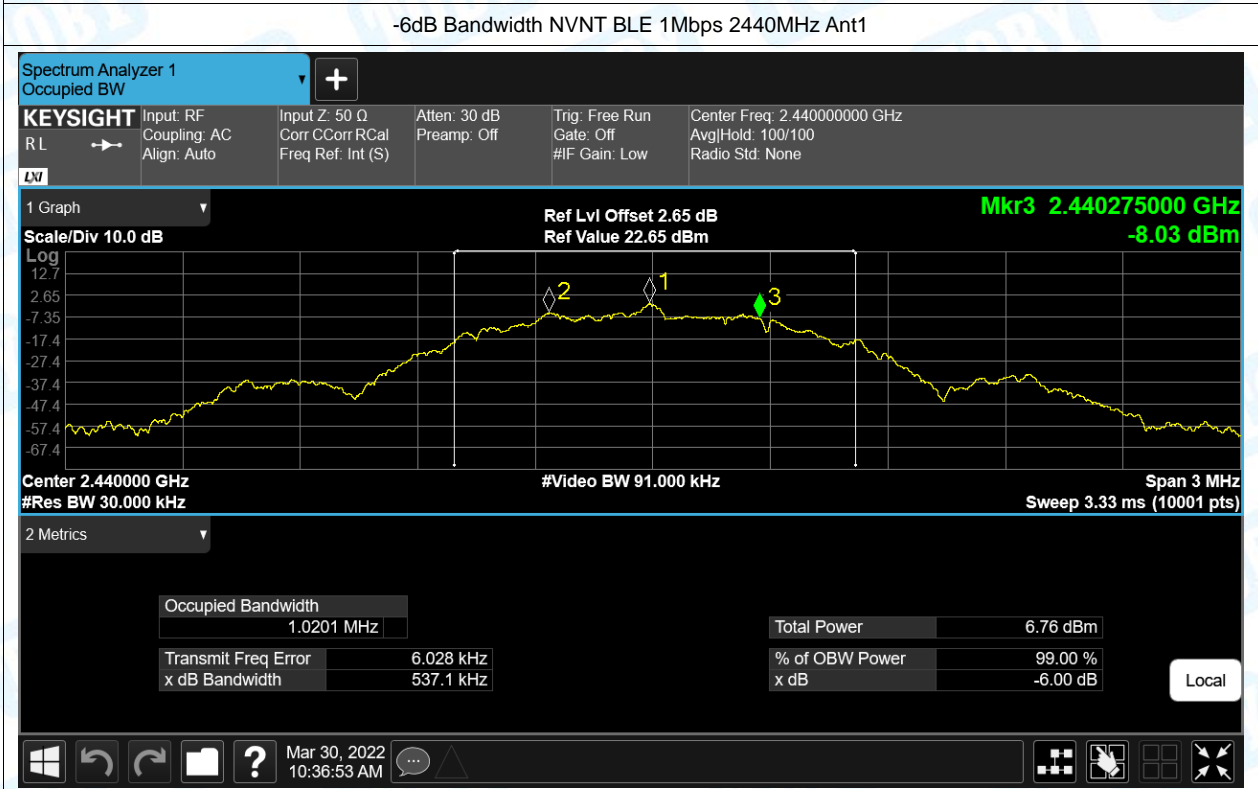
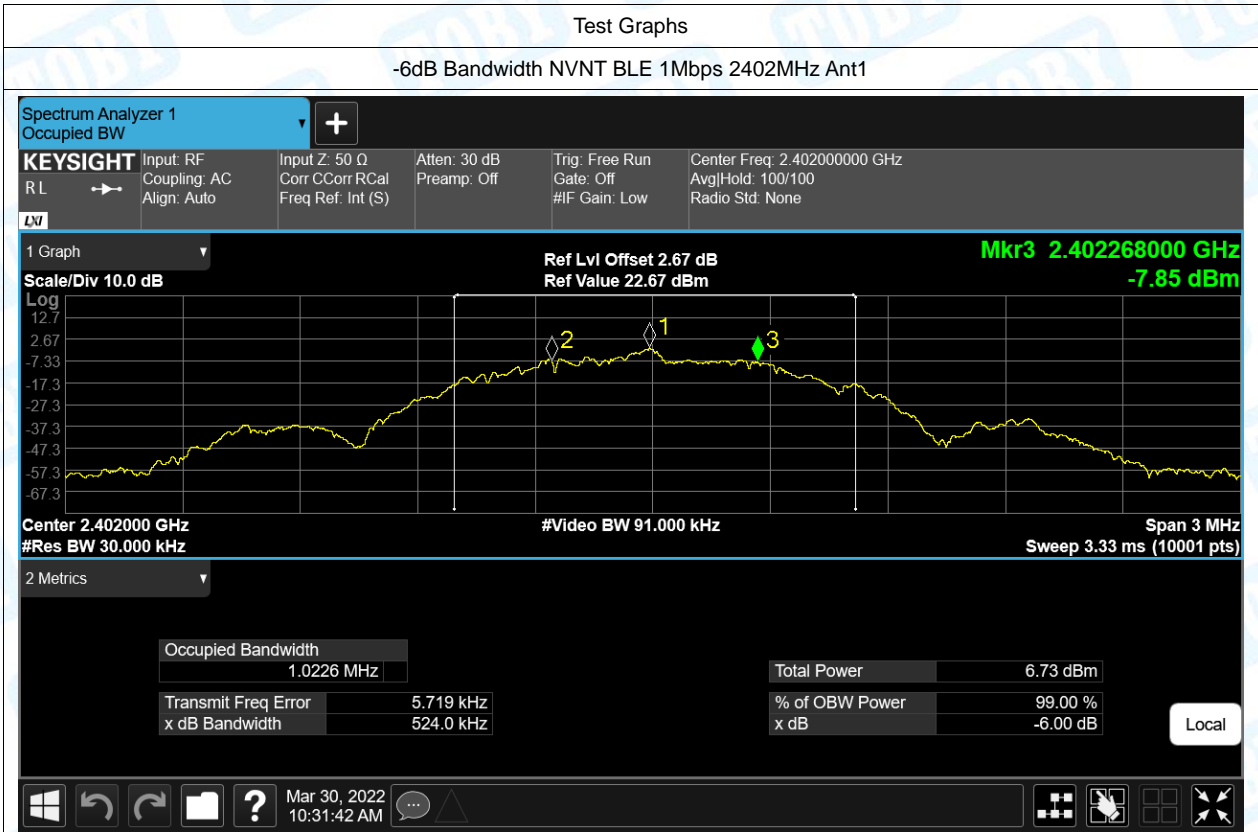


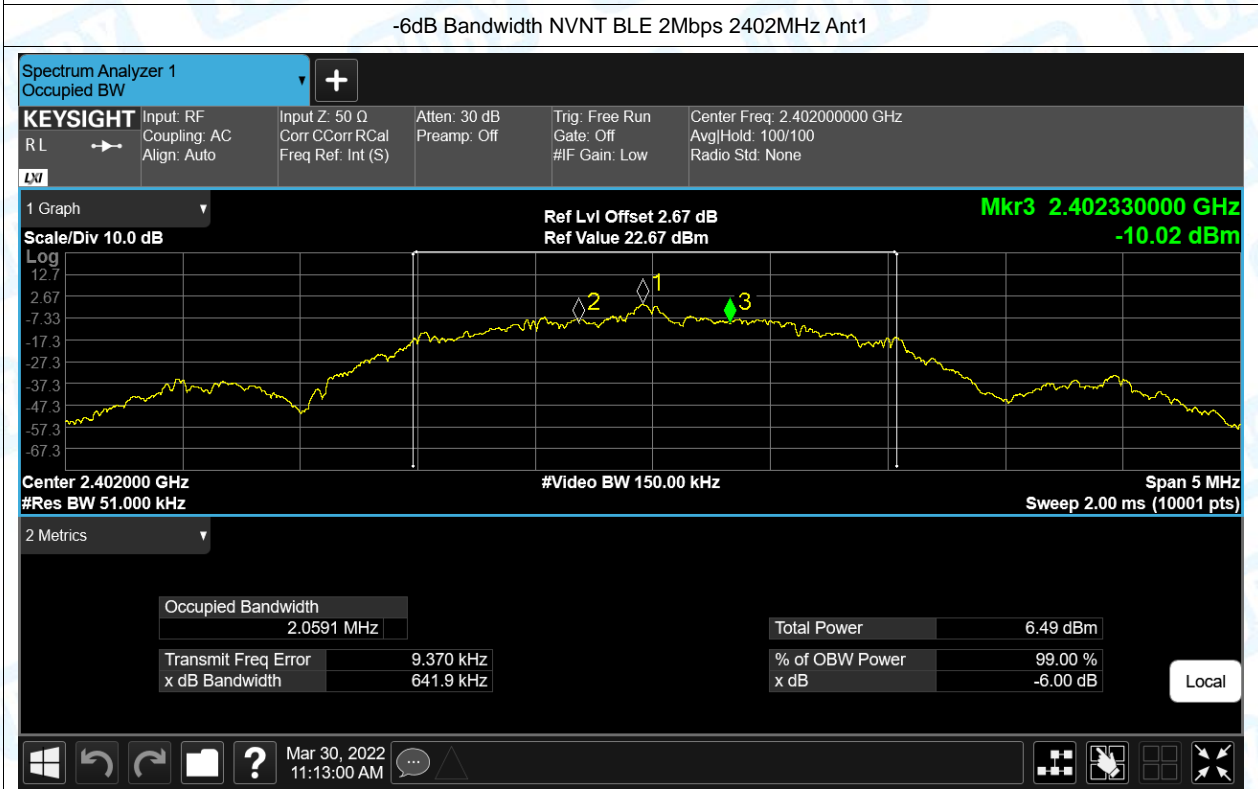


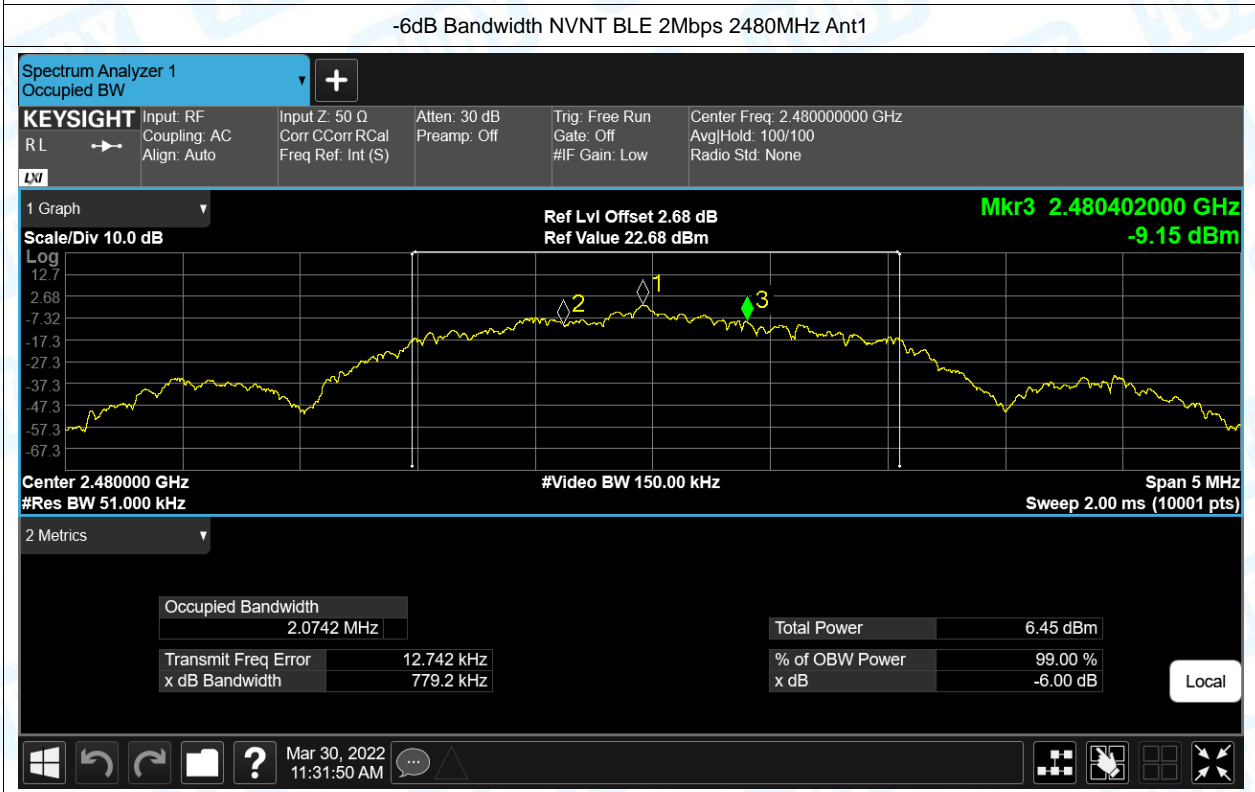


**-6dB Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	0.52	0.5	Pass
NVNT	BLE 1Mbps	2440	Ant1	0.54	0.5	Pass
NVNT	BLE 1Mbps	2480	Ant1	0.52	0.5	Pass
NVNT	BLE 2Mbps	2402	Ant1	0.64	0.5	Pass
NVNT	BLE 2Mbps	2440	Ant1	0.85	0.5	Pass
NVNT	BLE 2Mbps	2480	Ant1	0.78	0.5	Pass

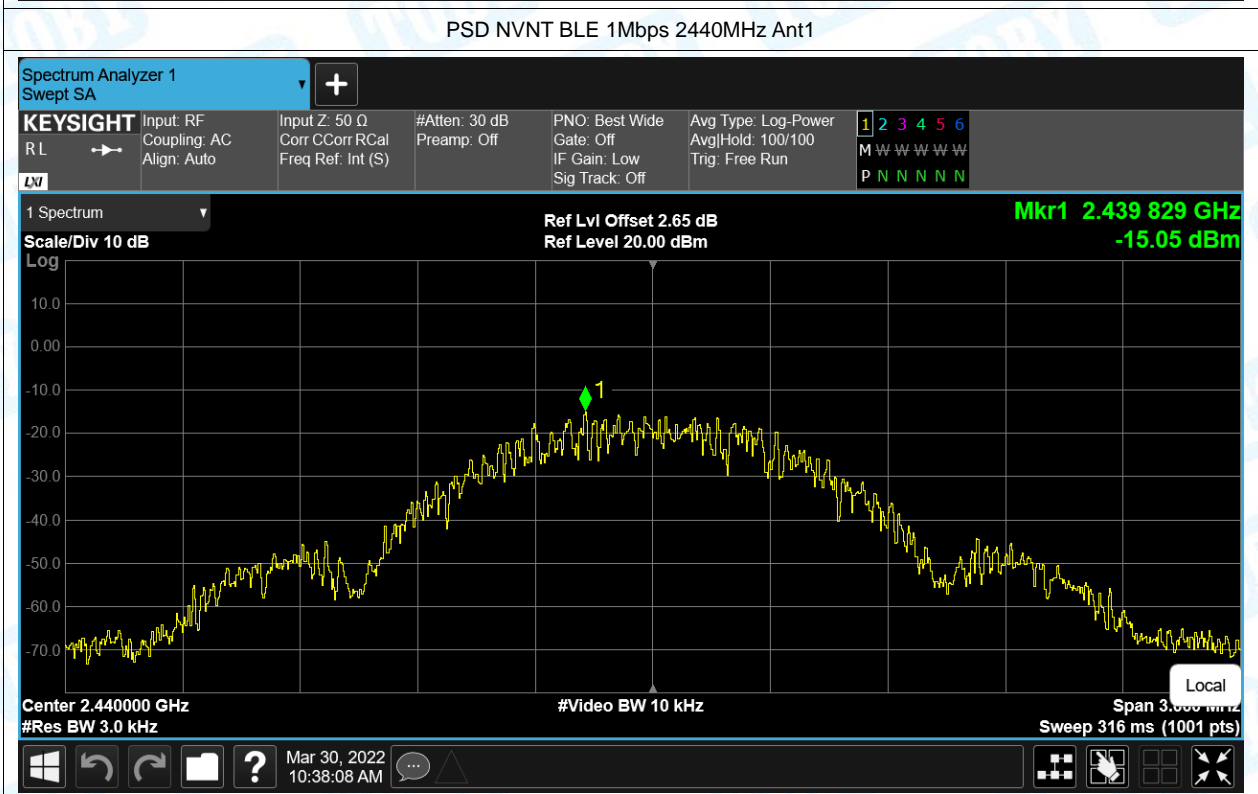
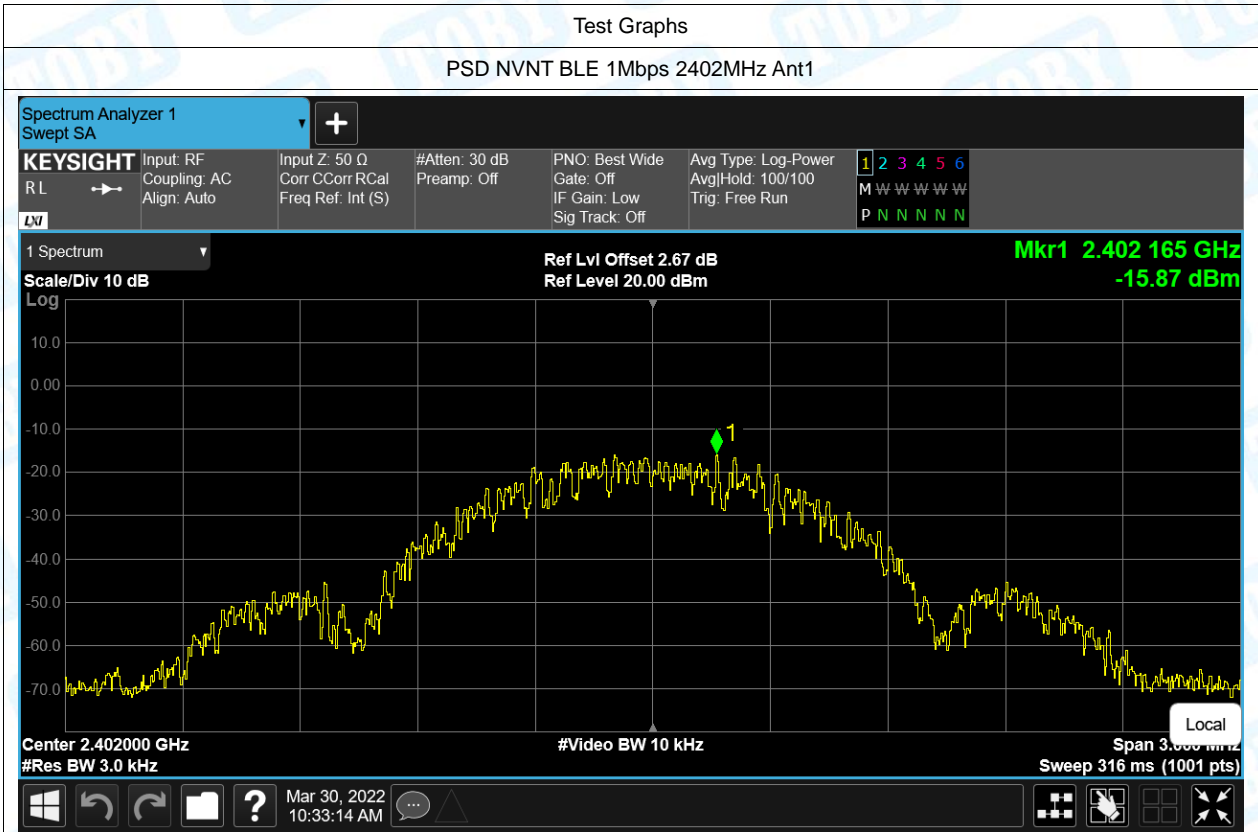


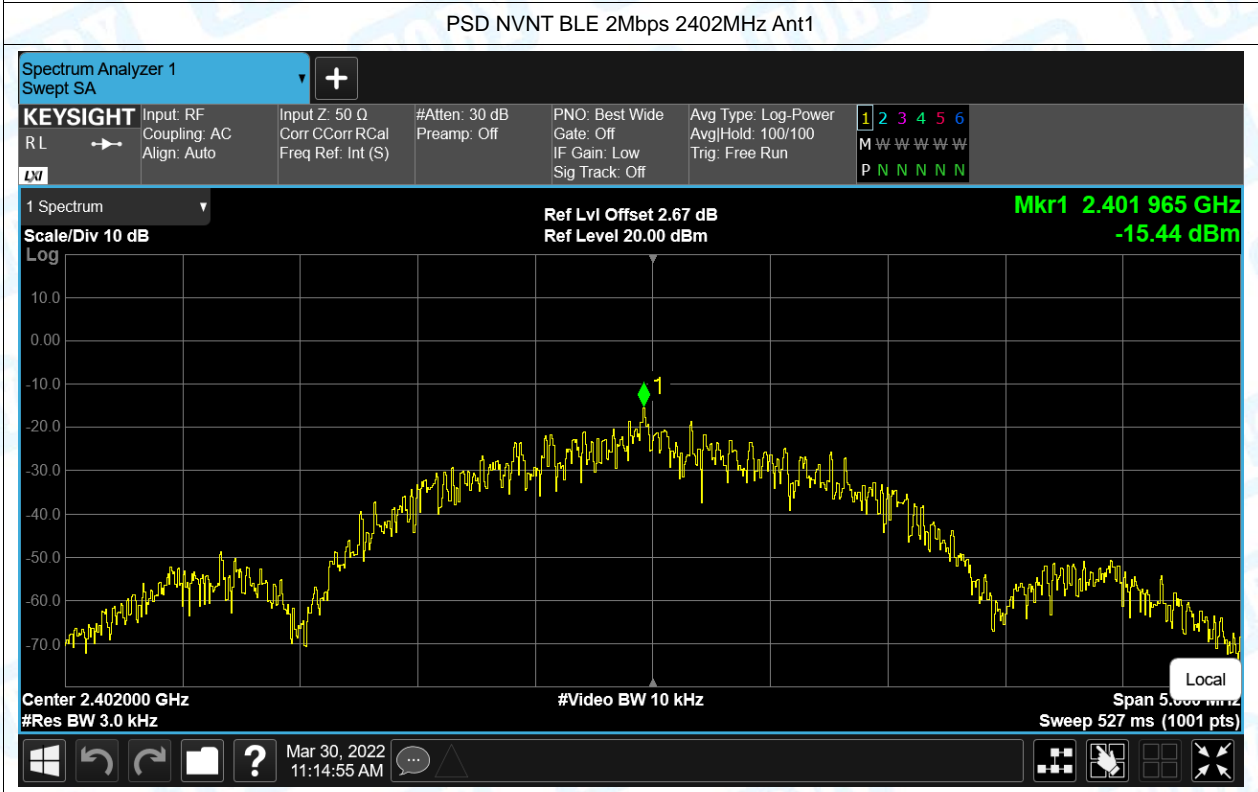
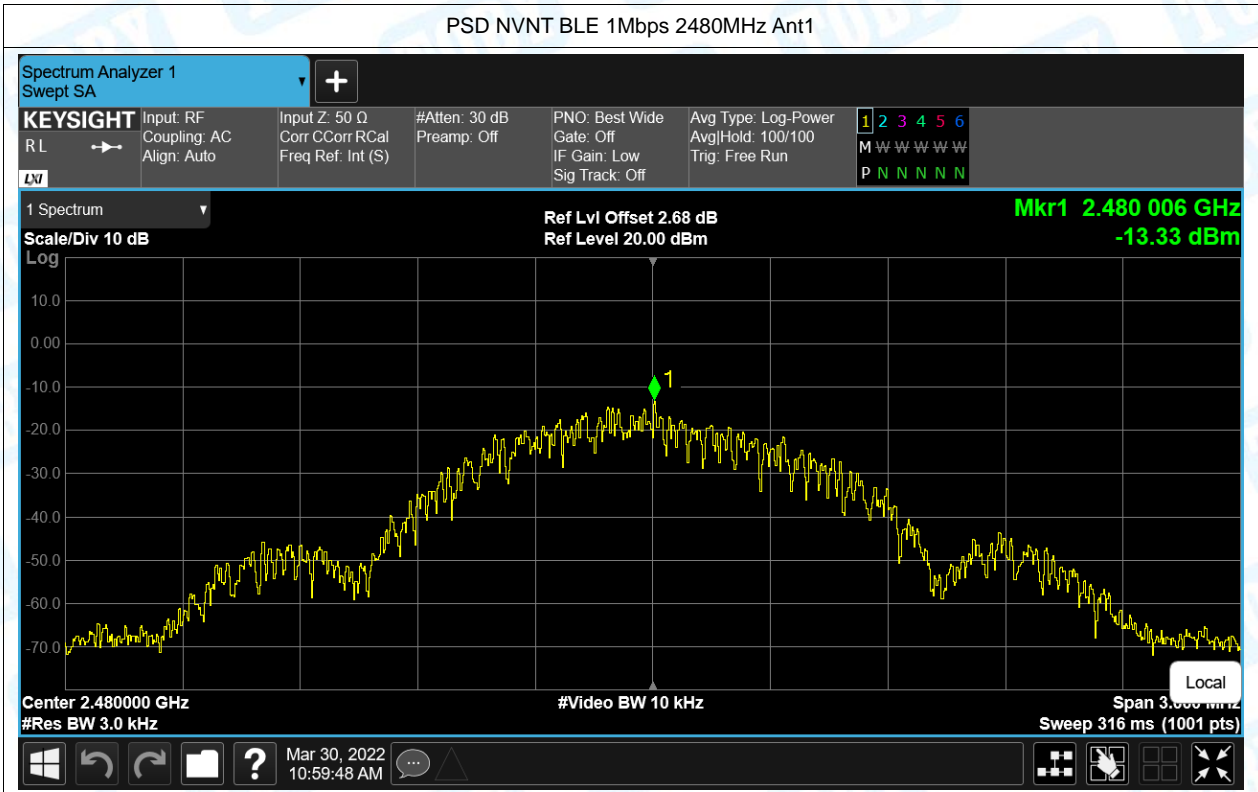


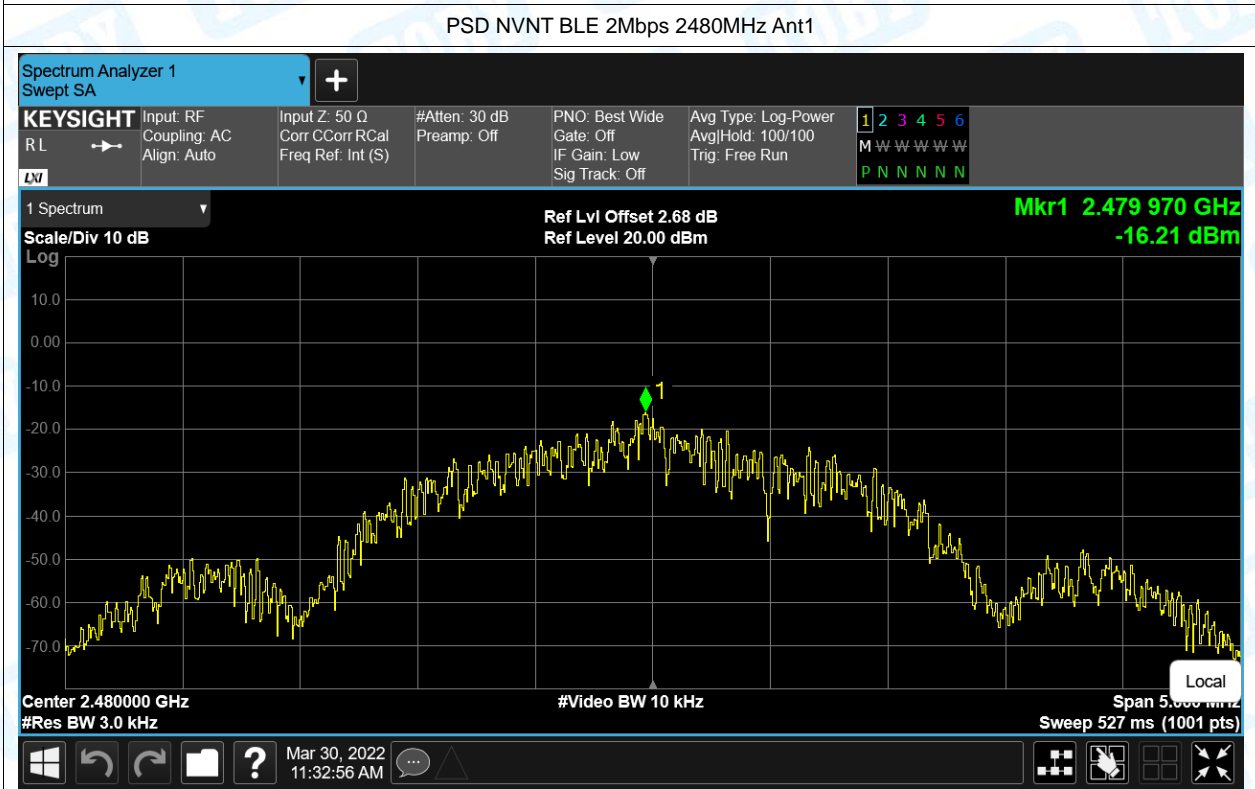
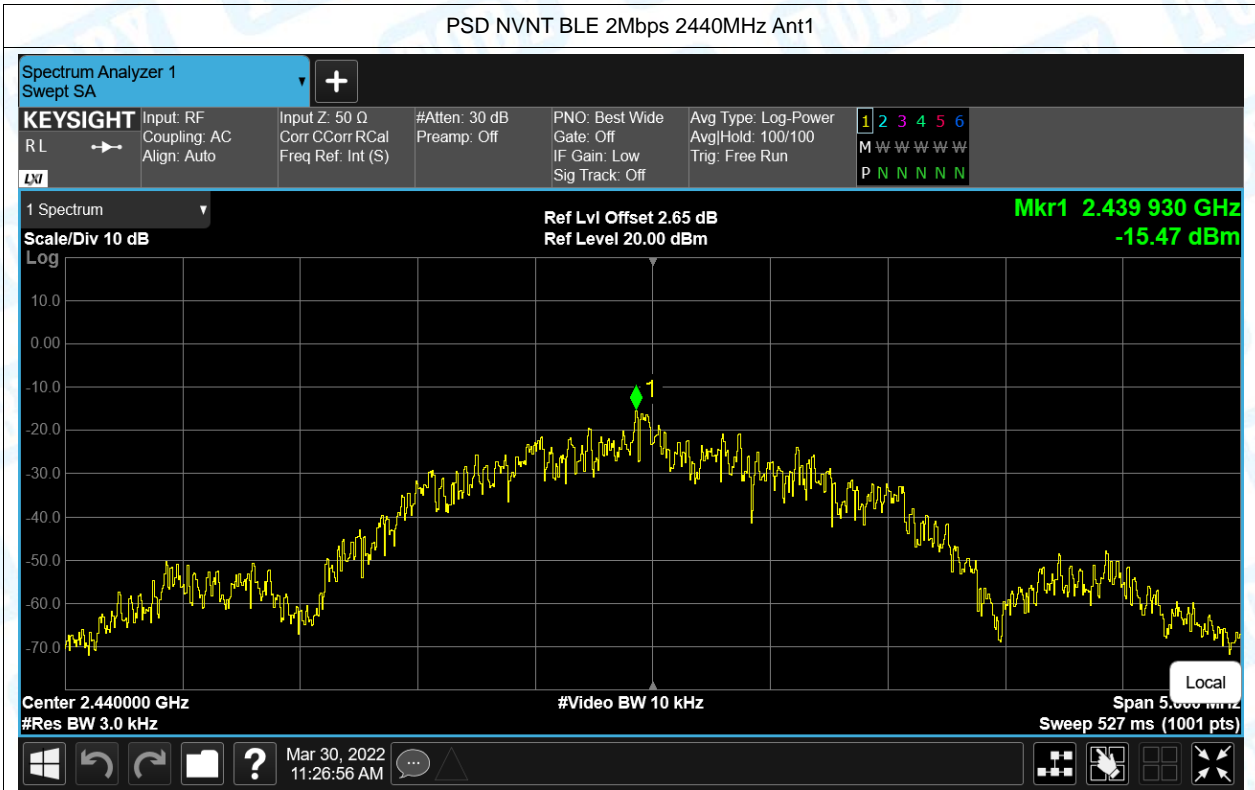


## Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-15.874	8	Pass
NVNT	BLE 1Mbps	2440	Ant1	-15.046	8	Pass
NVNT	BLE 1Mbps	2480	Ant1	-13.333	8	Pass
NVNT	BLE 2Mbps	2402	Ant1	-15.444	8	Pass
NVNT	BLE 2Mbps	2440	Ant1	-15.473	8	Pass
NVNT	BLE 2Mbps	2480	Ant1	-16.215	8	Pass



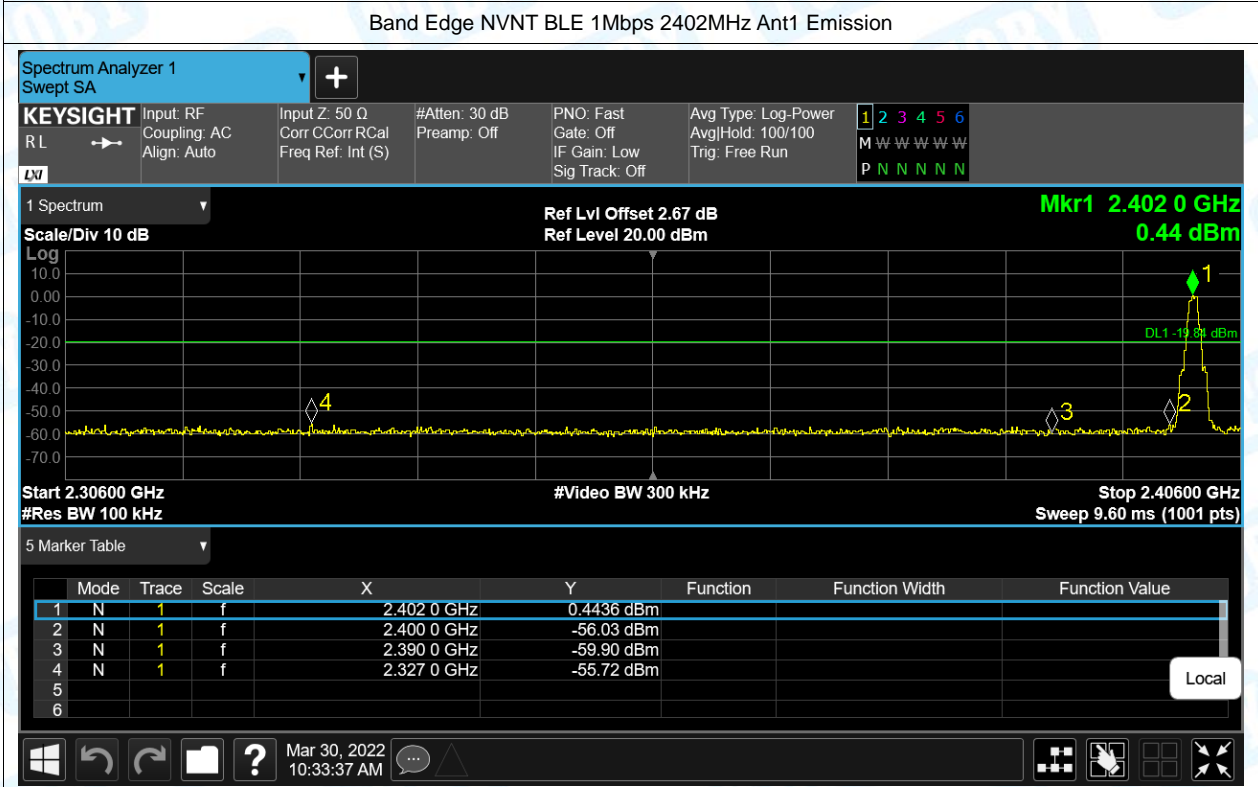
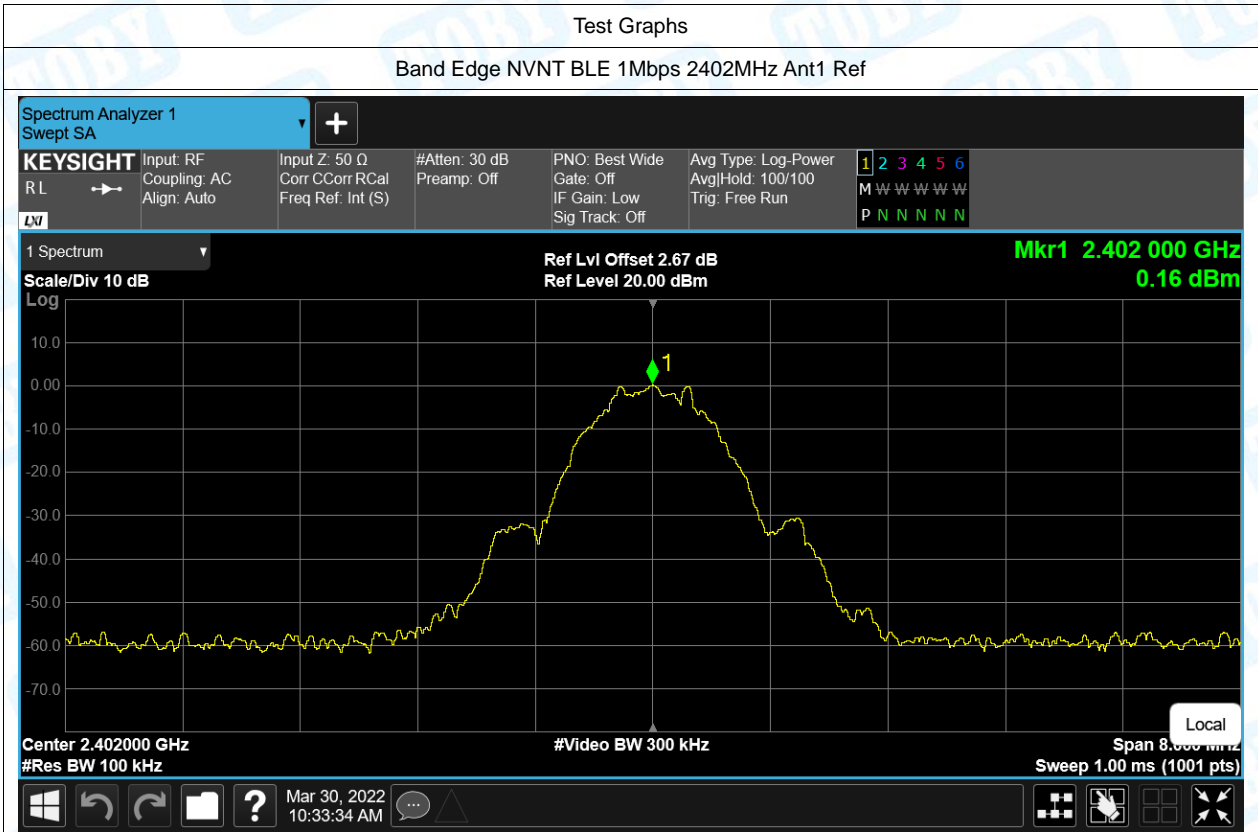


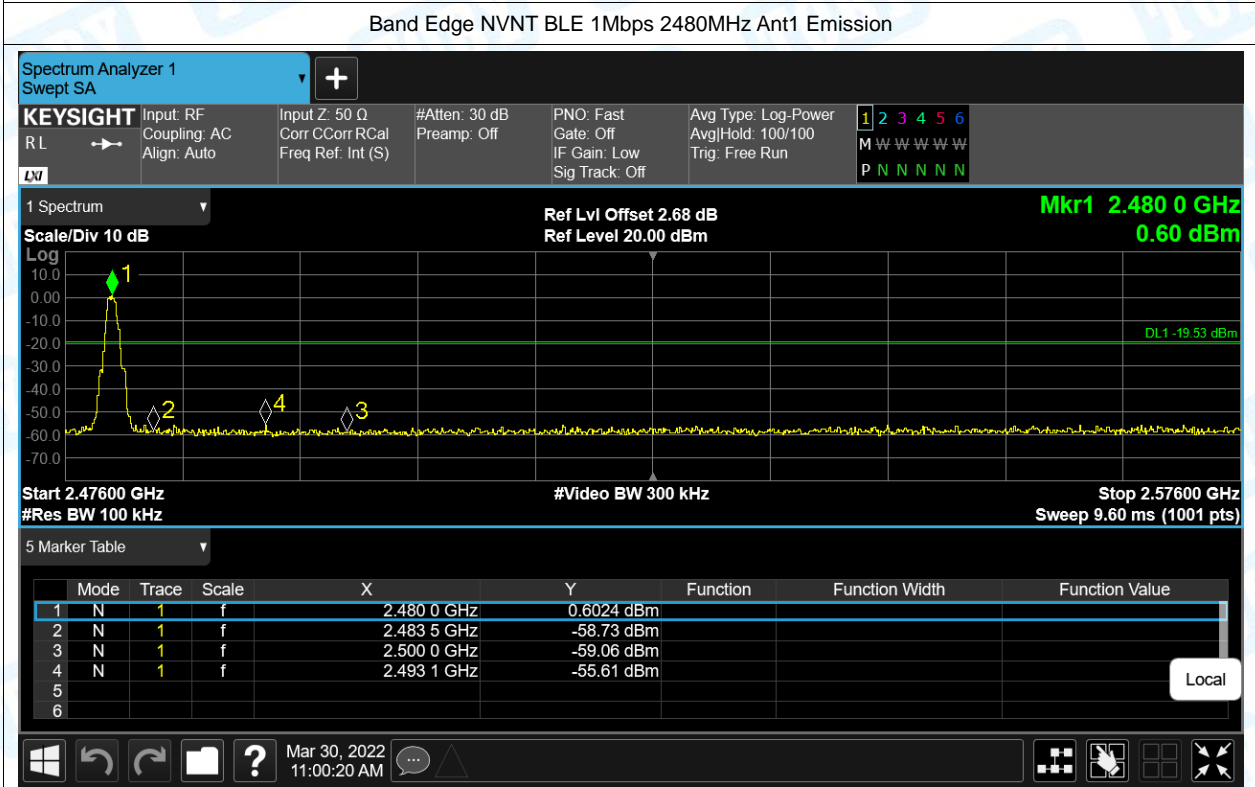
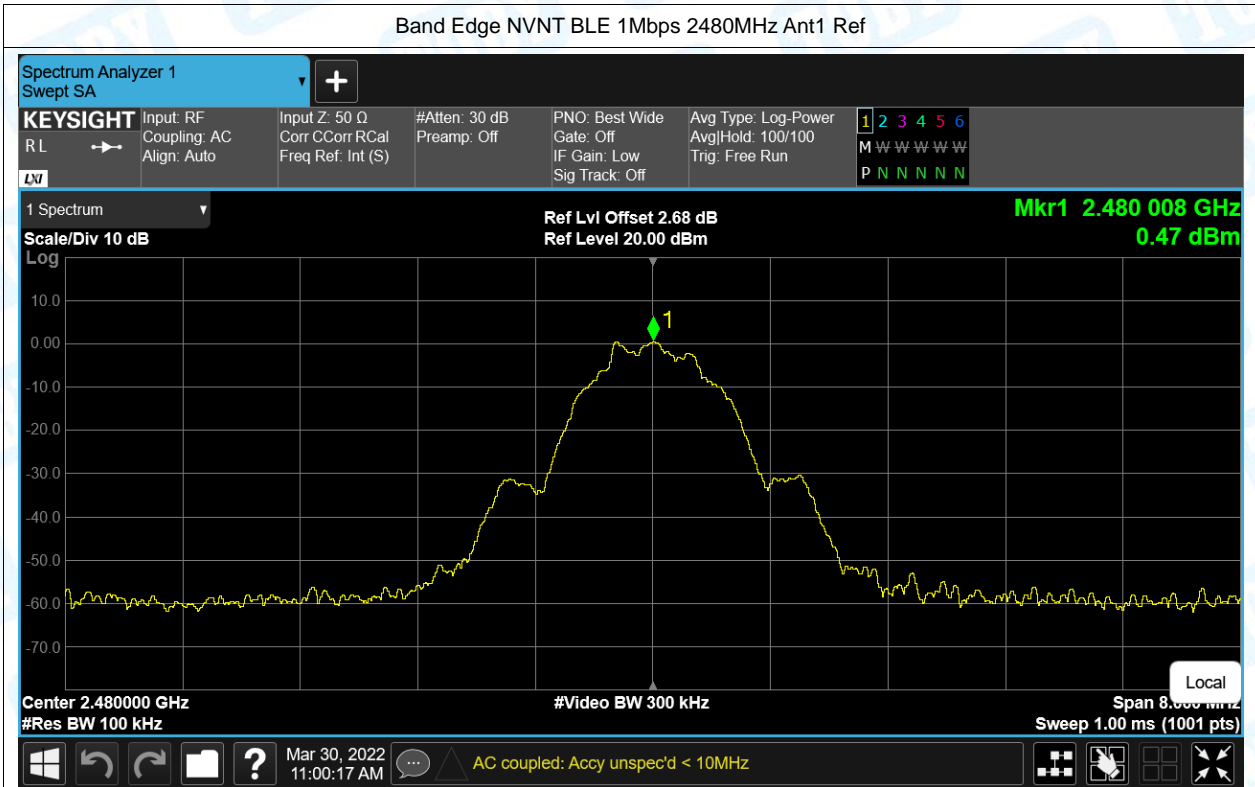


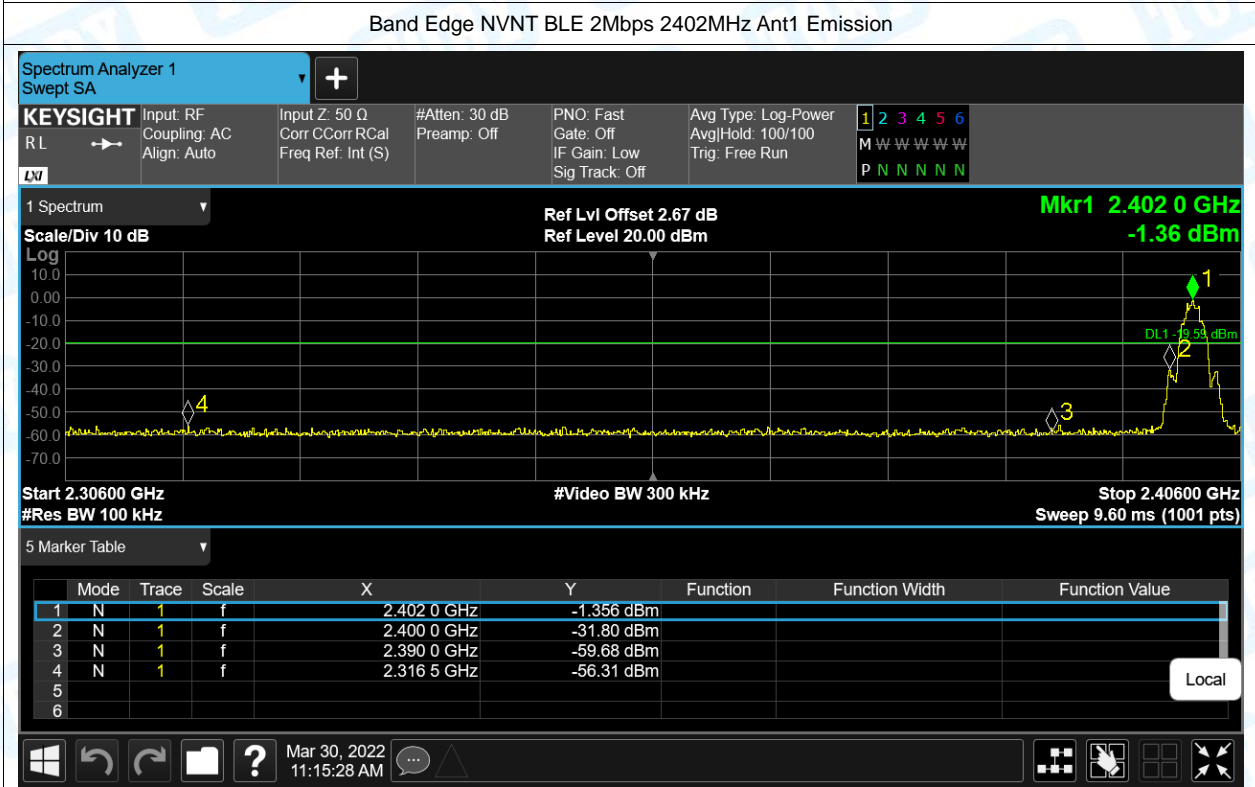
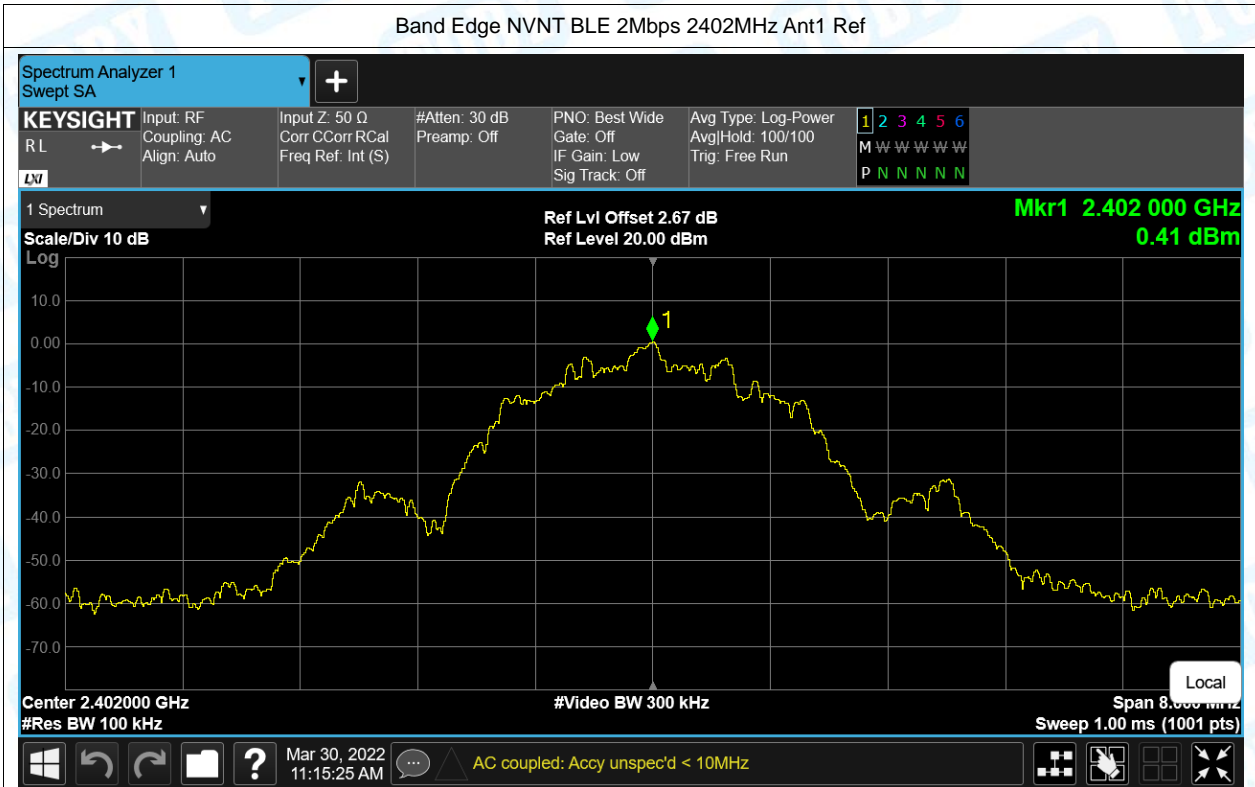


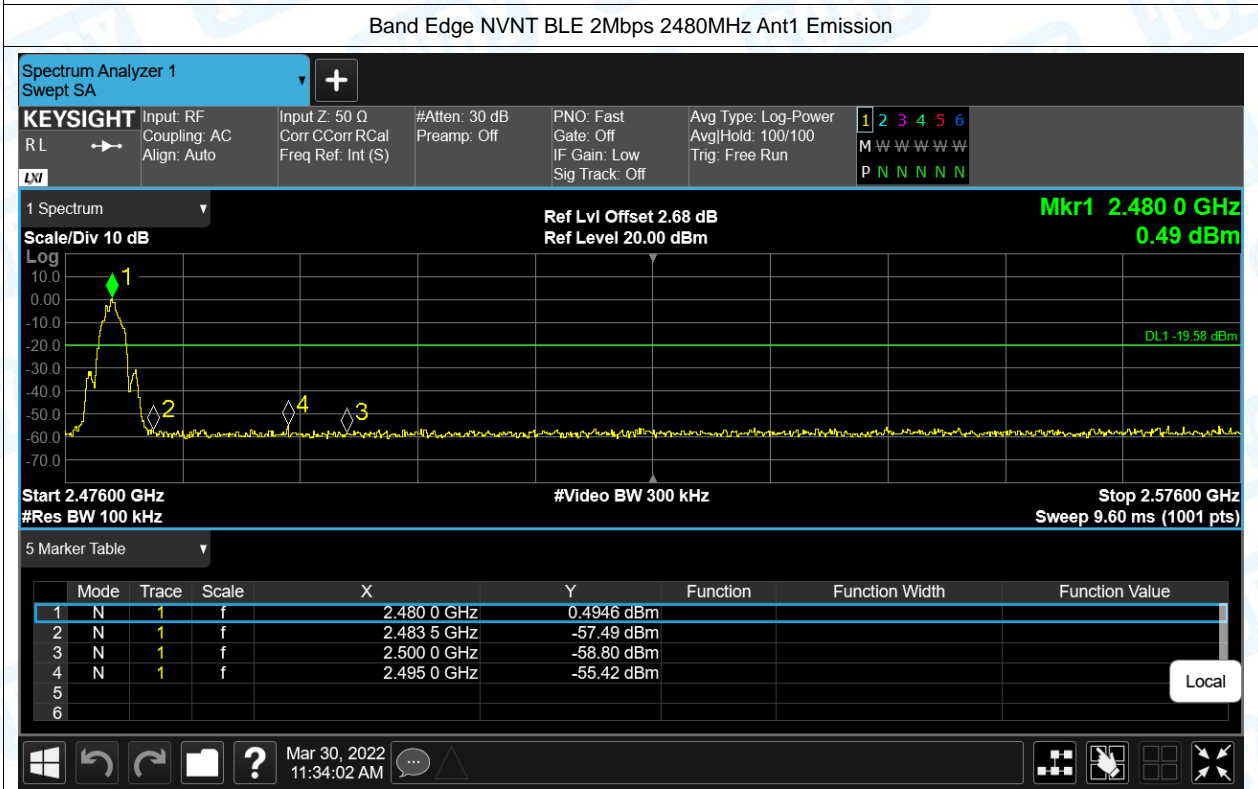
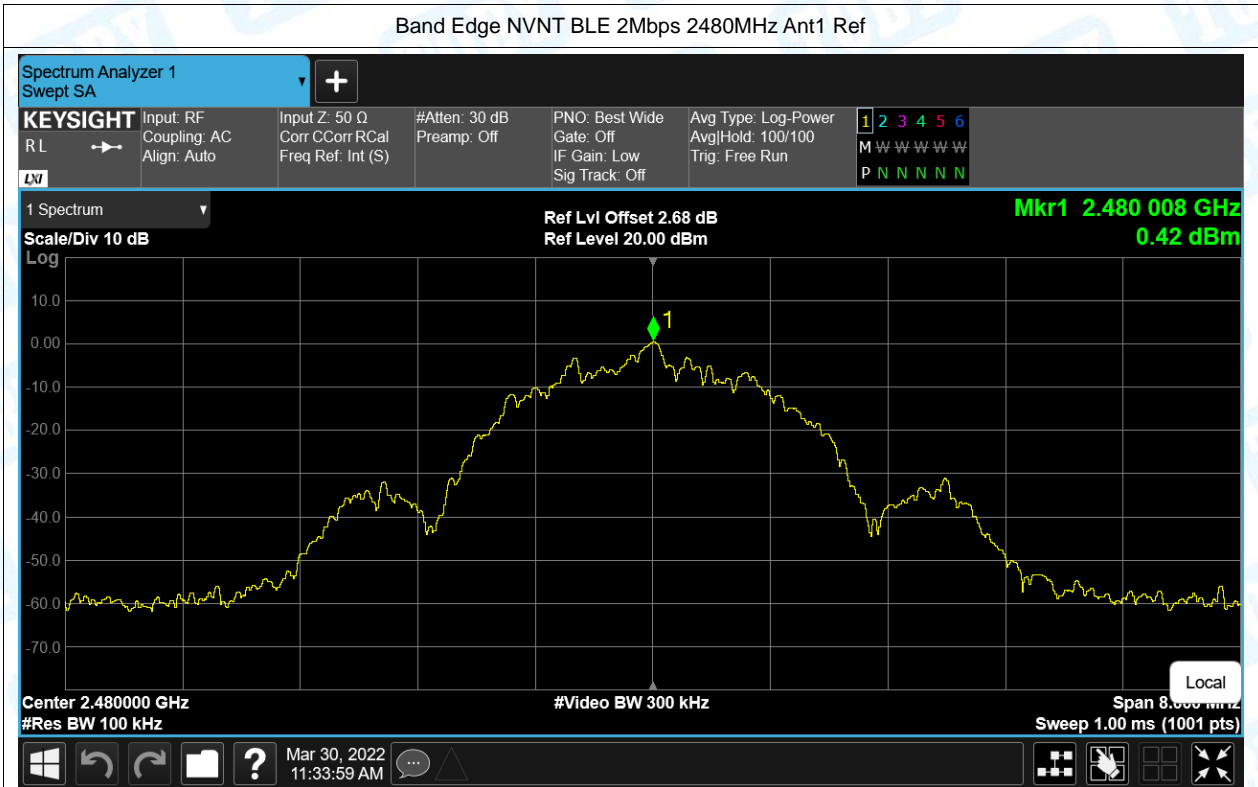
## Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-55.88	-20	Pass
NVNT	BLE 1Mbps	2480	Ant1	-56.08	-20	Pass
NVNT	BLE 2Mbps	2402	Ant1	-56.72	-20	Pass
NVNT	BLE 2Mbps	2480	Ant1	-55.84	-20	Pass







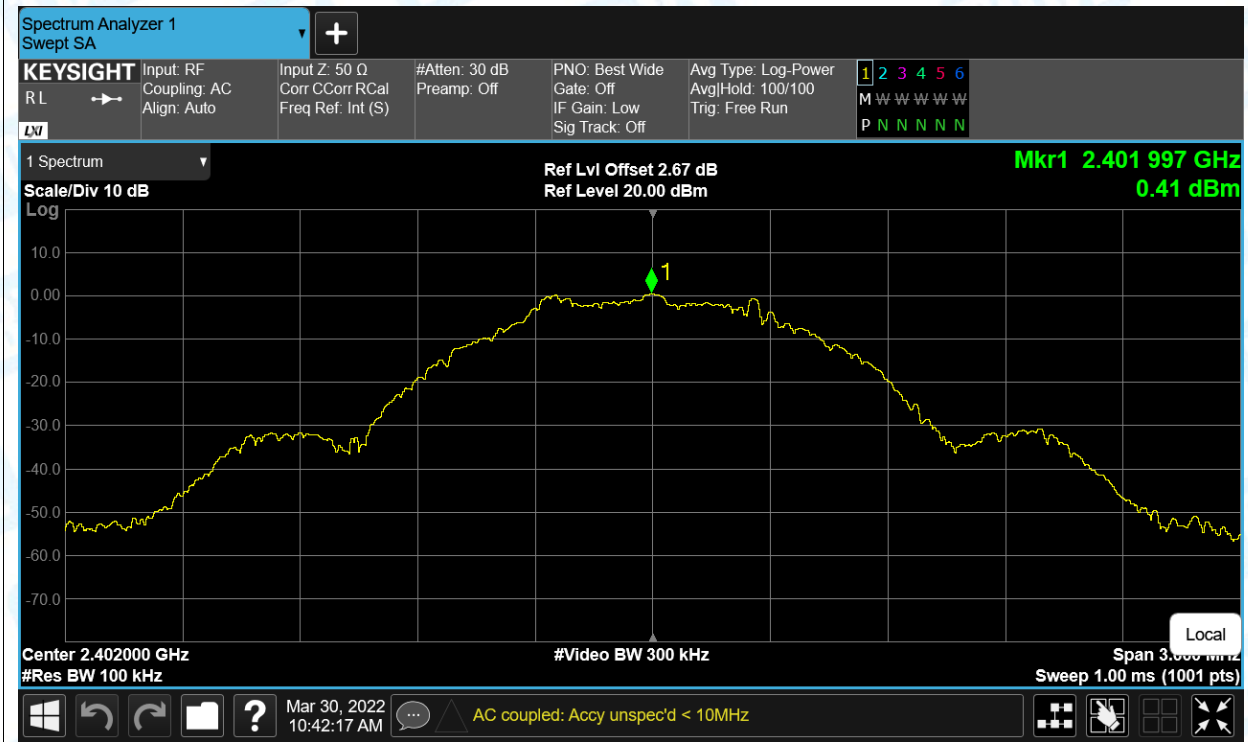


## Conducted RF Spurious Emission

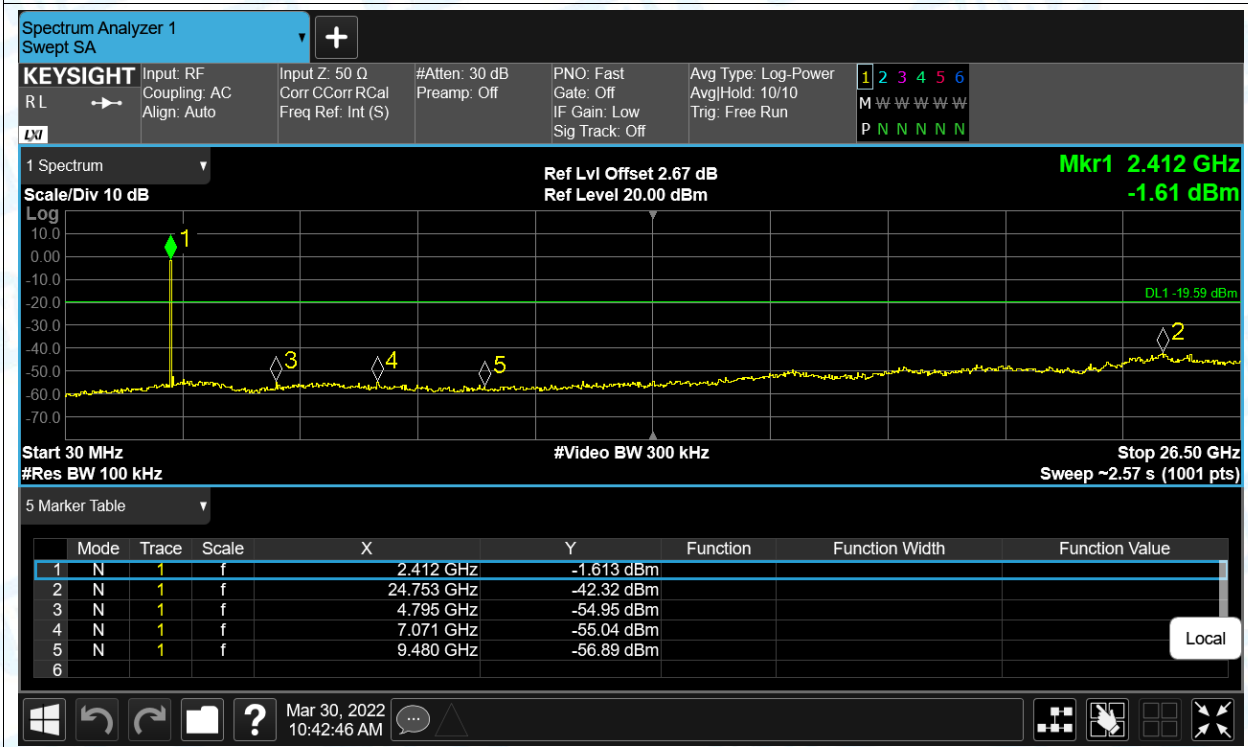
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-42.73	-20	Pass
NVNT	BLE 1Mbps	2440	Ant1	-43.31	-20	Pass
NVNT	BLE 1Mbps	2480	Ant1	-43.12	-20	Pass
NVNT	BLE 2Mbps	2402	Ant1	-41.07	-20	Pass
NVNT	BLE 2Mbps	2440	Ant1	-42.56	-20	Pass
NVNT	BLE 2Mbps	2480	Ant1	-41.45	-20	Pass

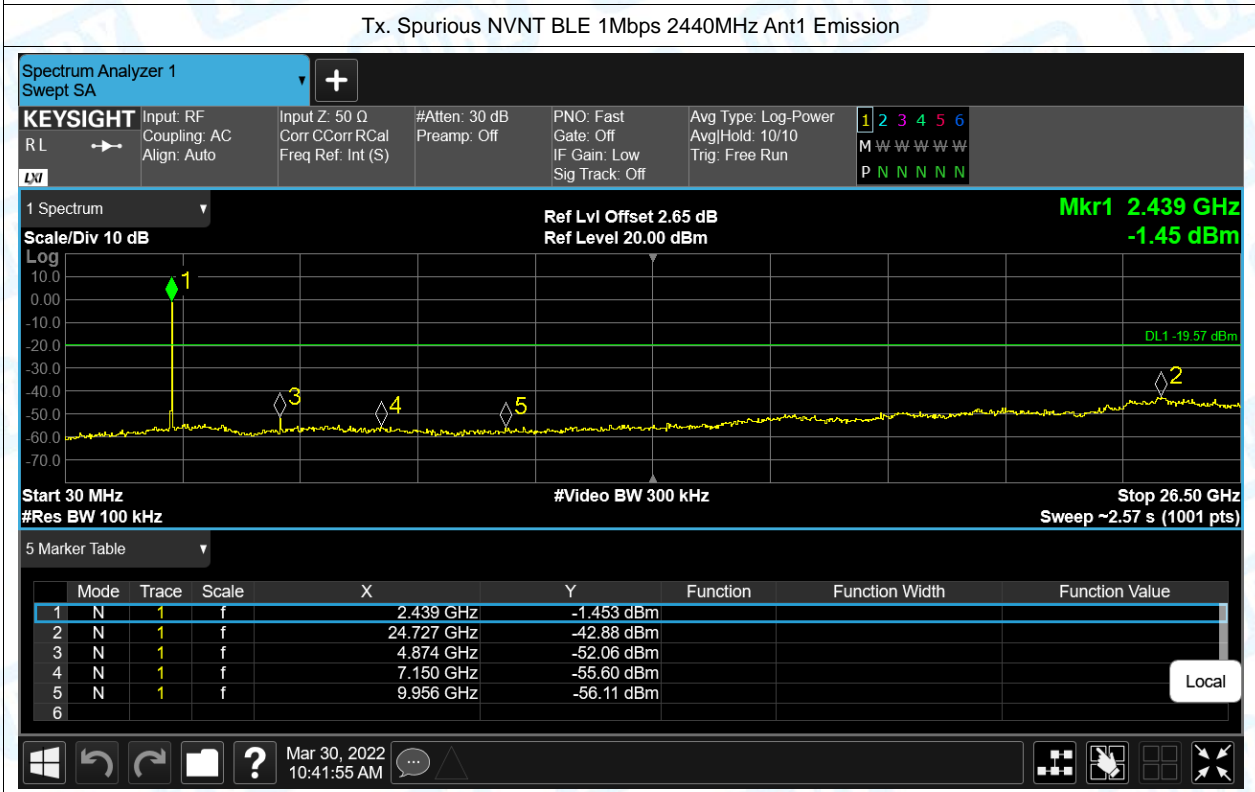
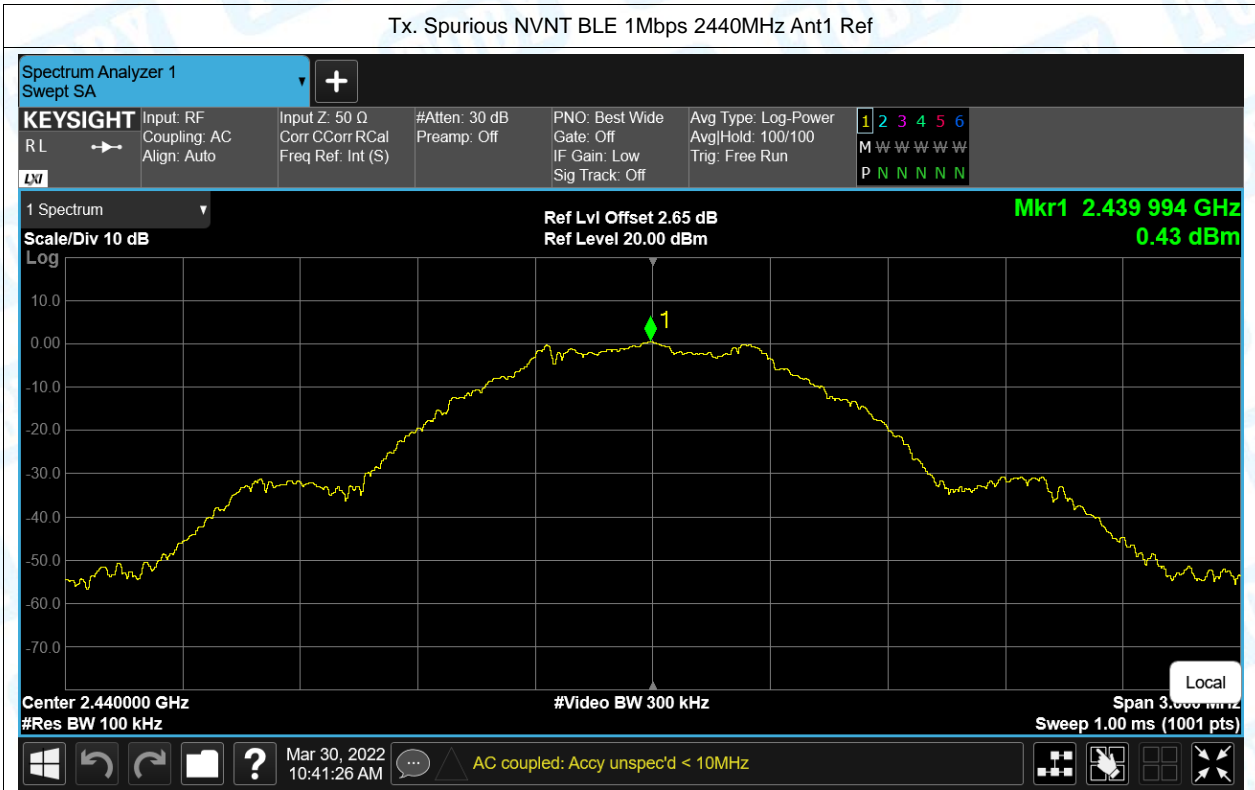
Test Graphs

Tx. Spurious NVNT BLE 1Mbps 2402MHz Ant1 Ref

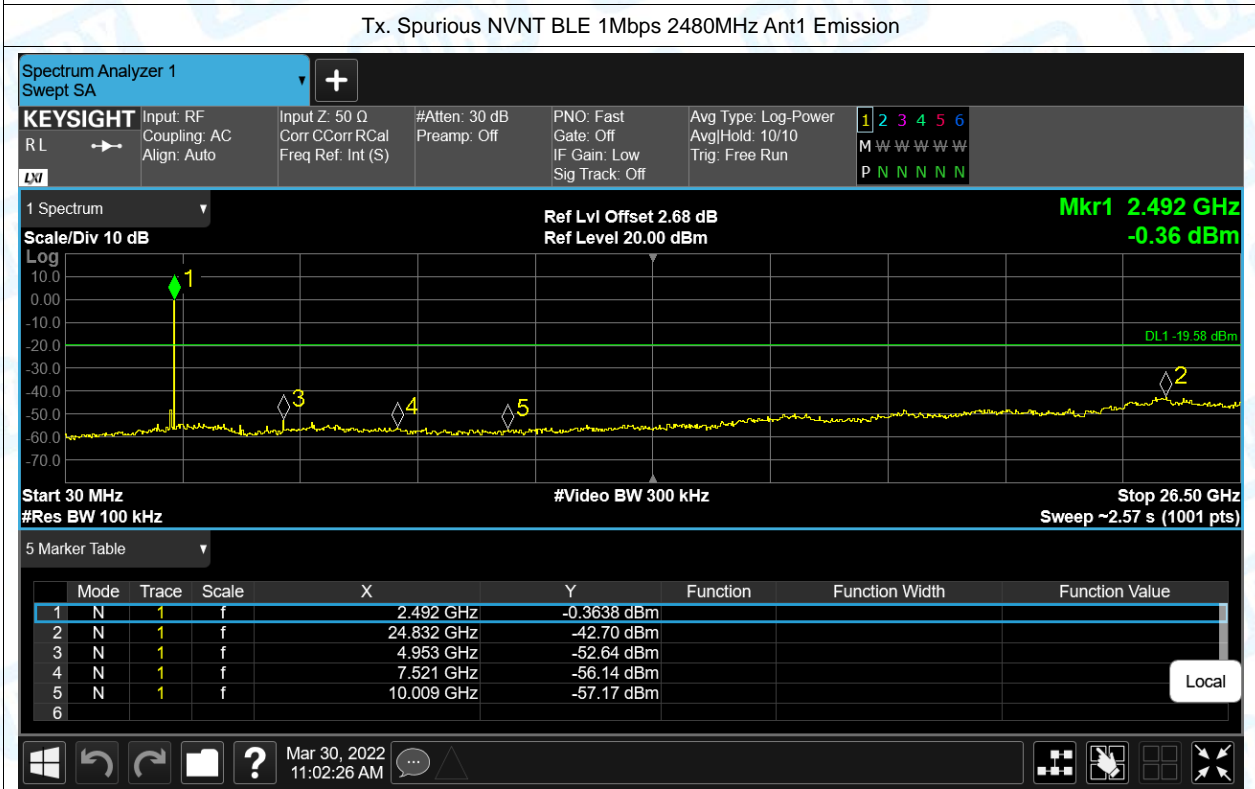
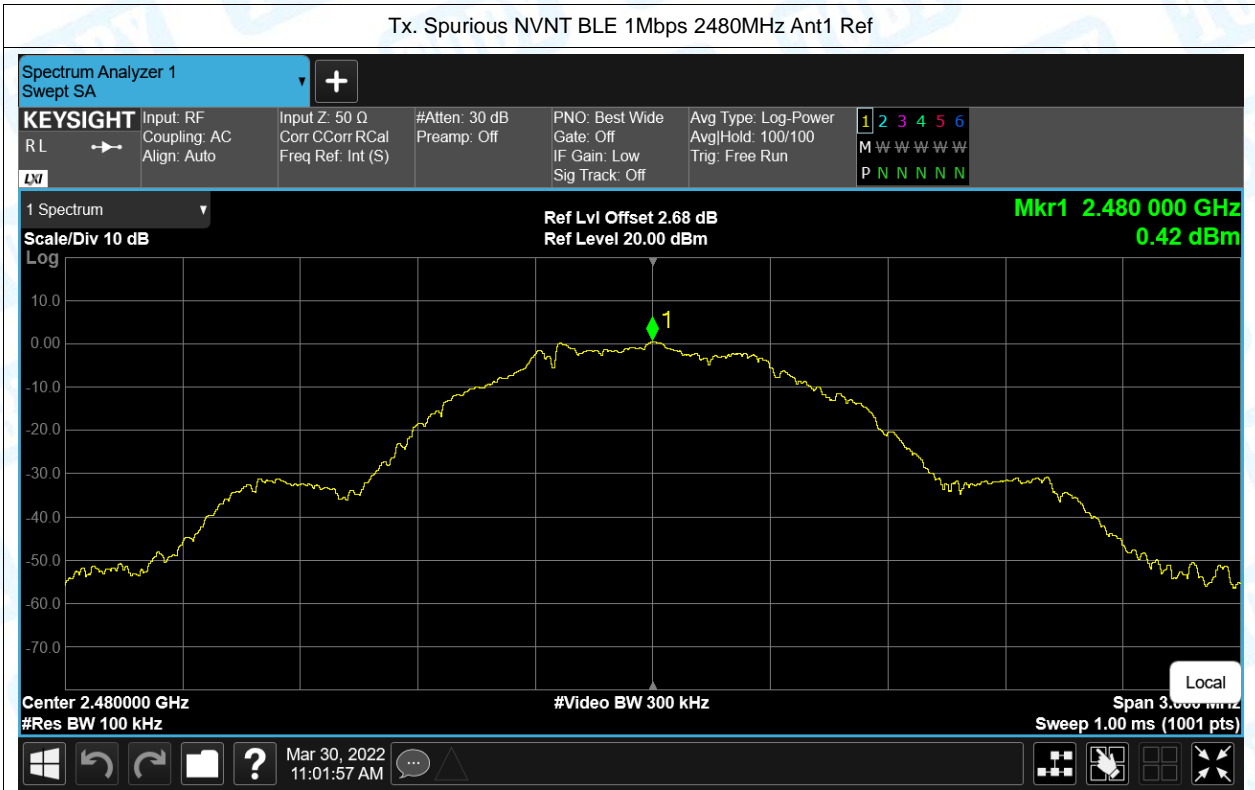


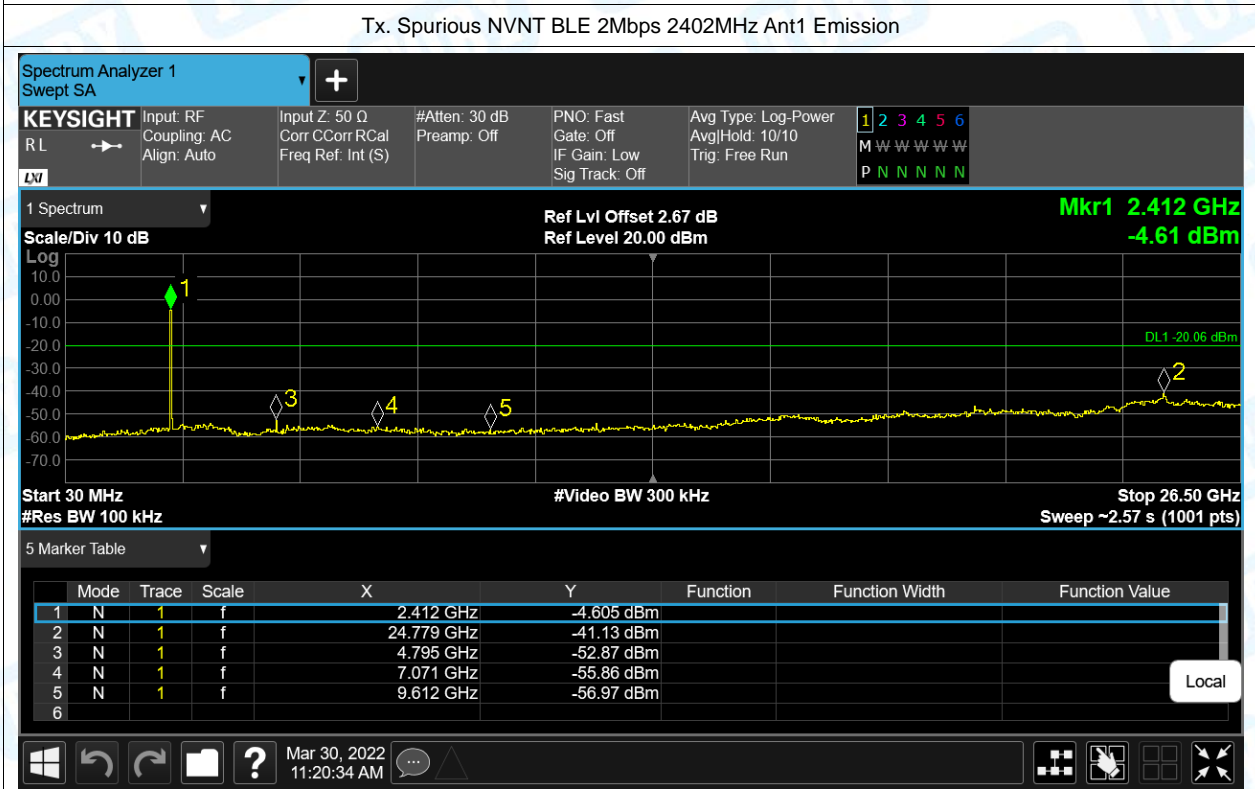
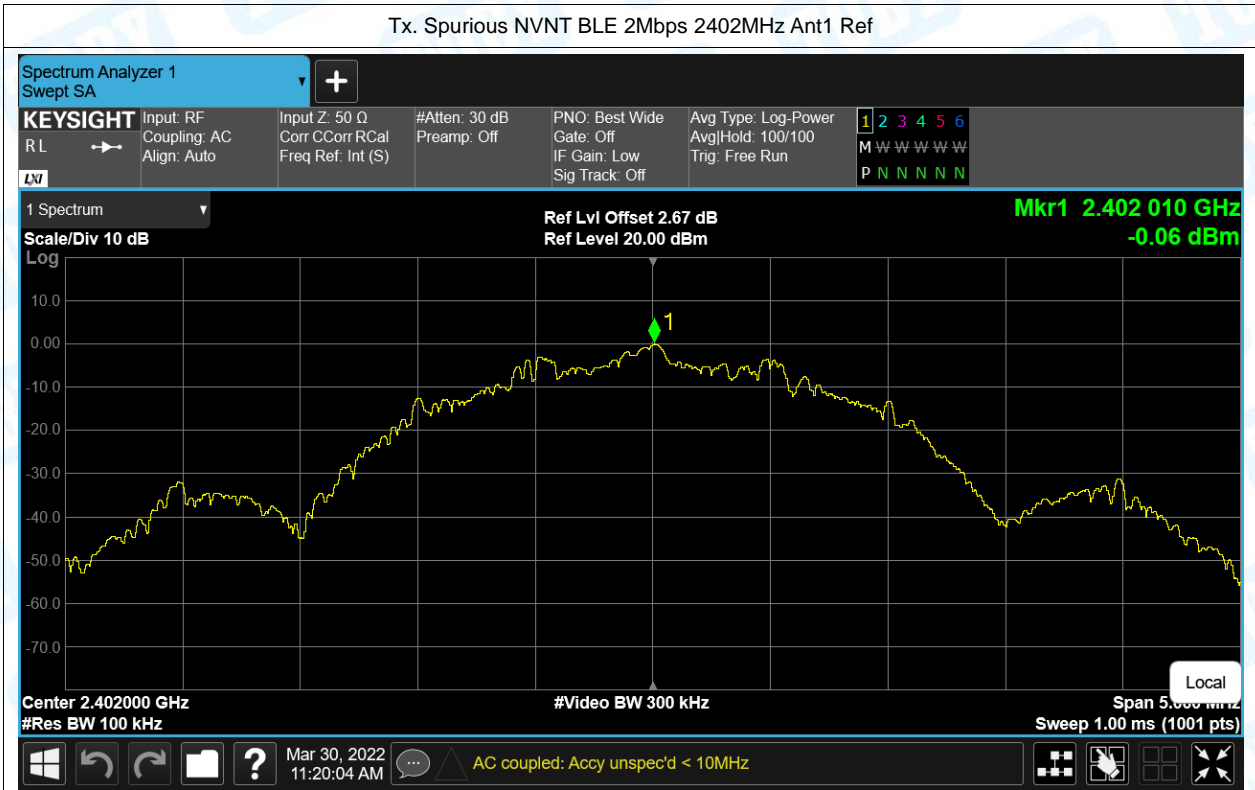
Tx. Spurious NVNT BLE 1Mbps 2402MHz Ant1 Emission

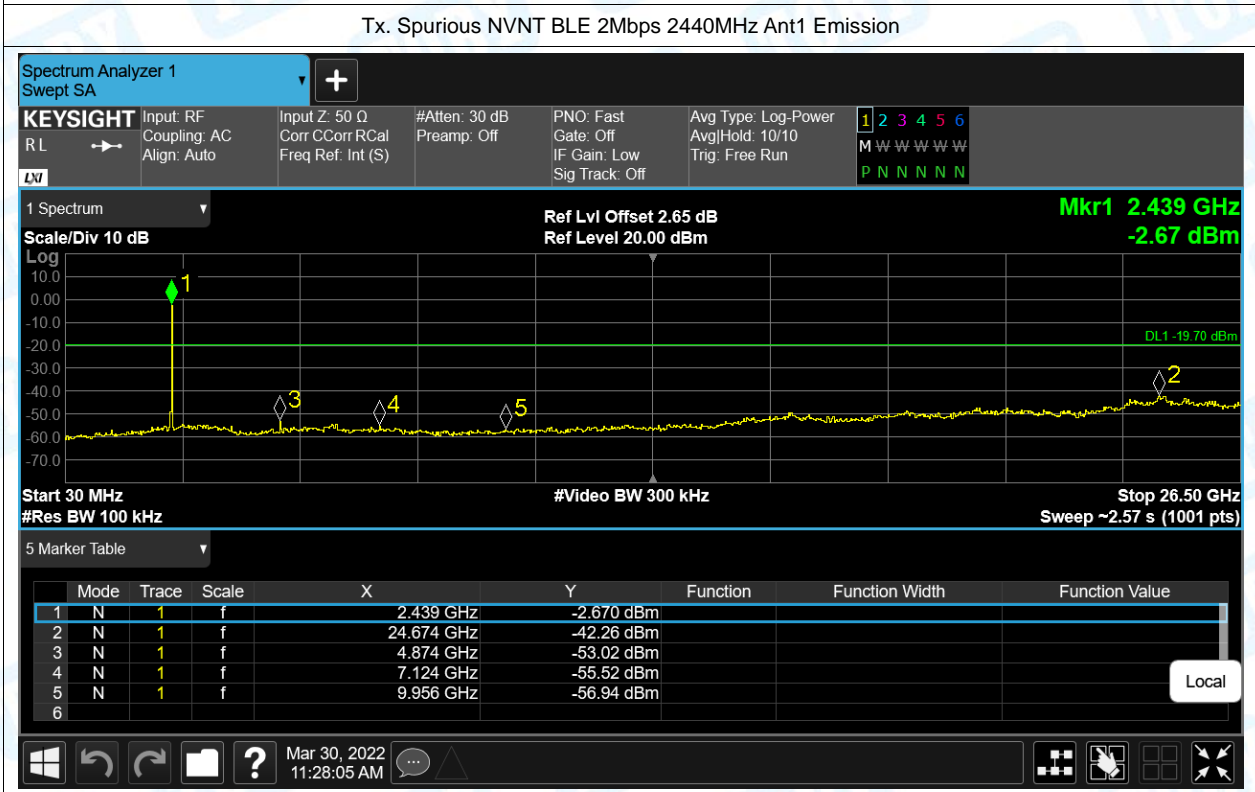
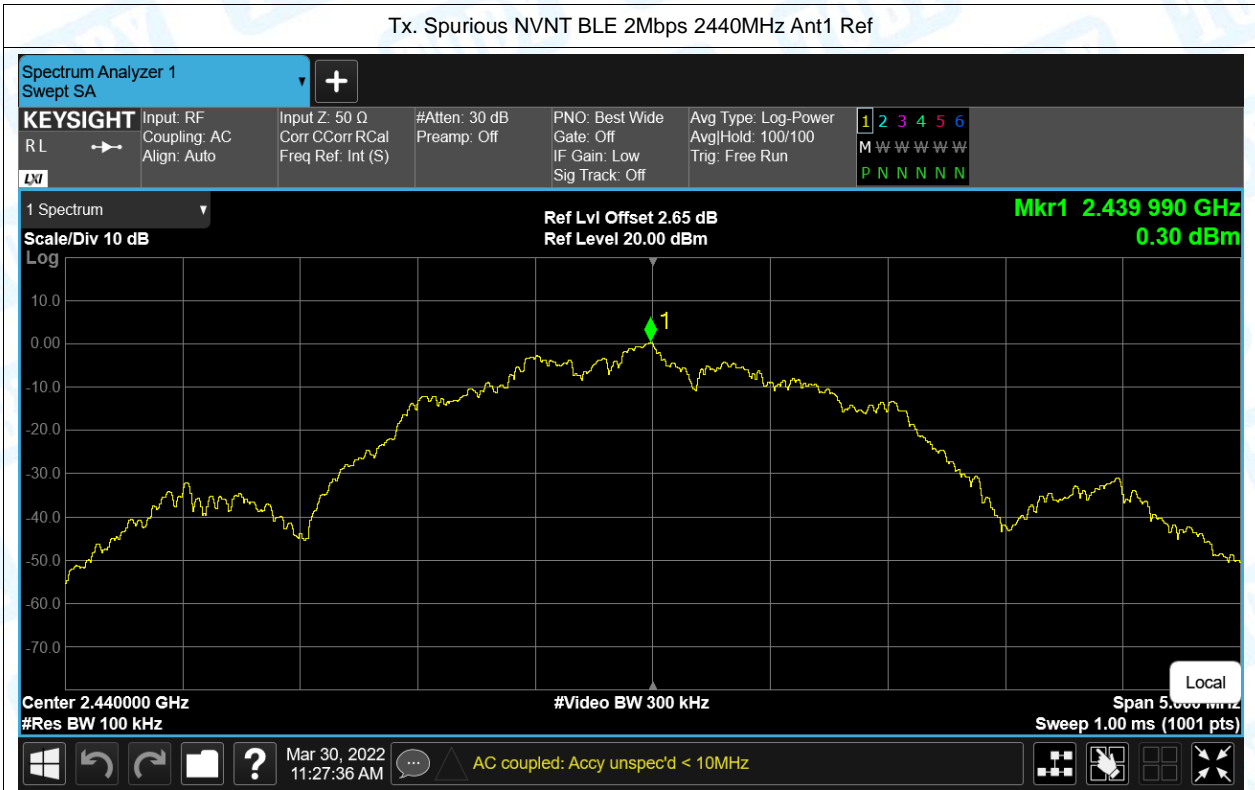


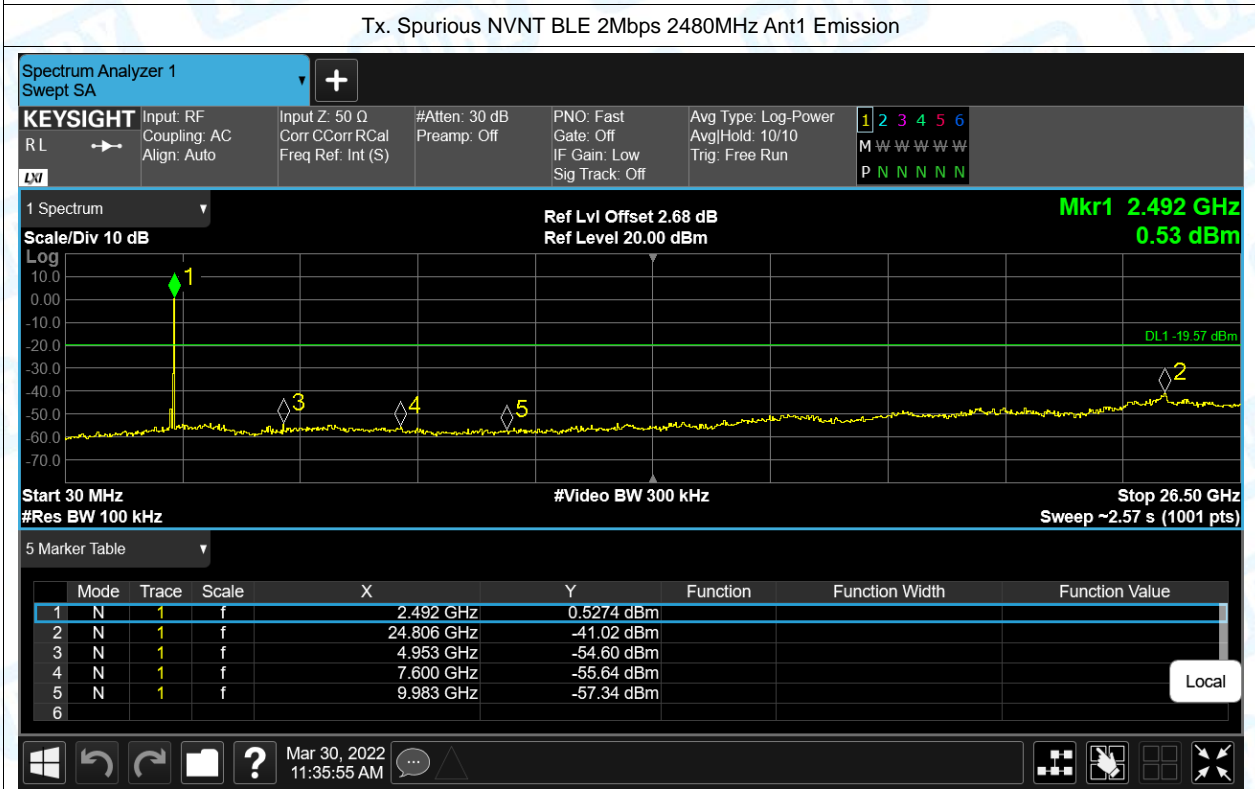
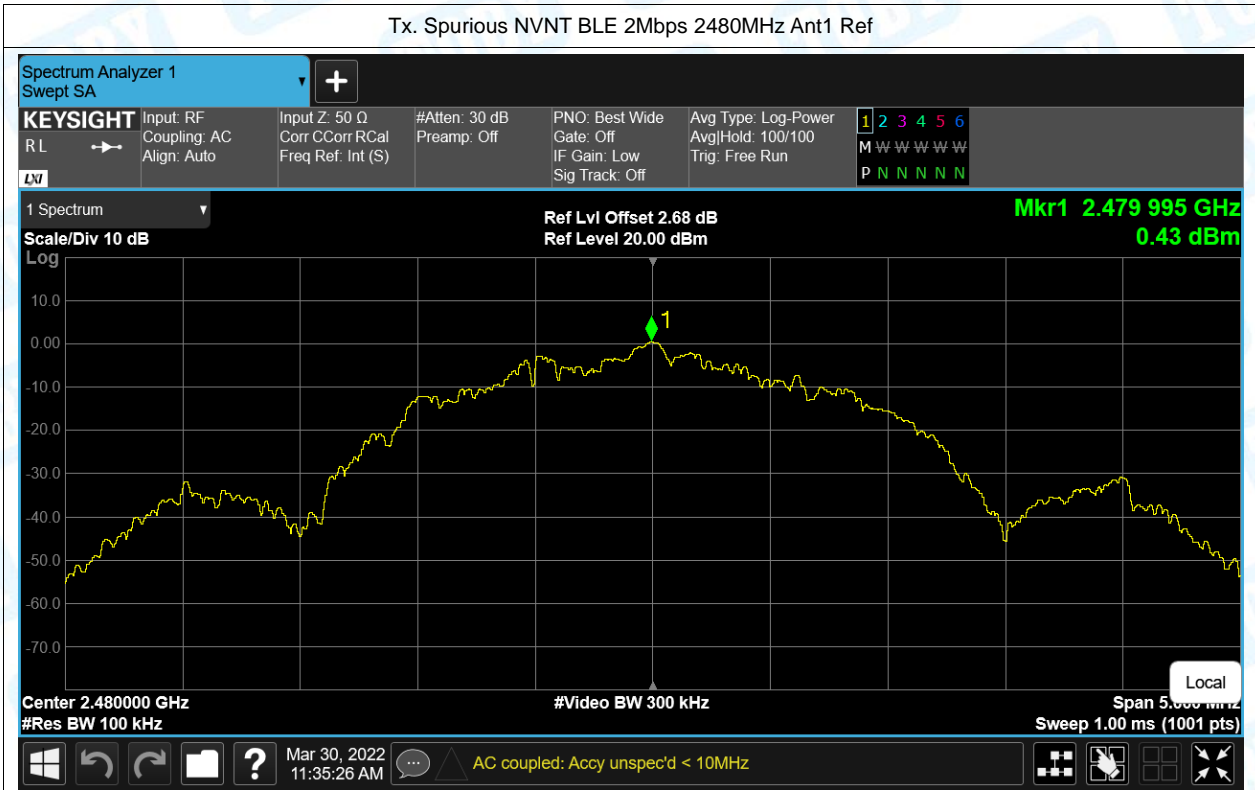












## Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	2310	-49.01	2	48.25	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2310	-58.44	2	38.82	Average	54	Pass
NVNT	BLE 1Mbps	2402	Ant1	2331.792	-45.49	2	51.77	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2326.608	-57.53	2	39.73	Average	54	Pass
NVNT	BLE 1Mbps	2402	Ant1	2390	-49.65	2	47.61	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2390	-58.42	2	38.84	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.5	-49.76	2	47.5	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.5	-57.33	2	39.93	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.944	-44.31	2	52.95	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.512	-57.33	2	39.93	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2500	-47.33	2	49.93	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2500	-57.66	2	39.6	Average	54	Pass
NVNT	BLE 2Mbps	2402	Ant1	2310	-49.91	2	47.35	Peak	74	Pass
NVNT	BLE 2Mbps	2402	Ant1	2310	-57.78	2	39.48	Average	54	Pass
NVNT	BLE 2Mbps	2402	Ant1	2313.168	-45.53	2	51.73	Peak	74	Pass
NVNT	BLE 2Mbps	2402	Ant1	2346	-57.04	2	40.22	Average	54	Pass
NVNT	BLE 2Mbps	2402	Ant1	2390	-48.73	2	48.53	Peak	74	Pass
NVNT	BLE 2Mbps	2402	Ant1	2390	-57.9	2	39.36	Average	54	Pass
NVNT	BLE 2Mbps	2480	Ant1	2483.5	-46.57	2	50.69	Peak	74	Pass
NVNT	BLE 2Mbps	2480	Ant1	2483.5	-54.77	2	42.49	Average	54	Pass
NVNT	BLE 2Mbps	2480	Ant1	2483.944	-41.99	2	55.27	Peak	74	Pass
NVNT	BLE 2Mbps	2480	Ant1	2483.512	-54.77	2	42.49	Average	54	Pass

NVNT	BLE 2Mbps	2480	Ant1	2500	-49.5	2	47.76	Peak	74	Pass
NVNT	BLE 2Mbps	2480	Ant1	2500	-58.13	2	39.13	Average	54	Pass

