

RF Test Data for Bluetooth LE (Conducted Measurements)

General Description of EUT	
Product Name:	Tablet PC
Test Model:	Q2S
Sample ID:	202204_0277-03-03-2
Environmental Conditions	
Temperature:	25°C
Relative Humidity:	55%
Test Voltage:	DC 3.8V
Test Engineer:	Huangjianping
Note: For a more detailed features description, please refer to the report TBR-C-202204-0277-281	

Contents

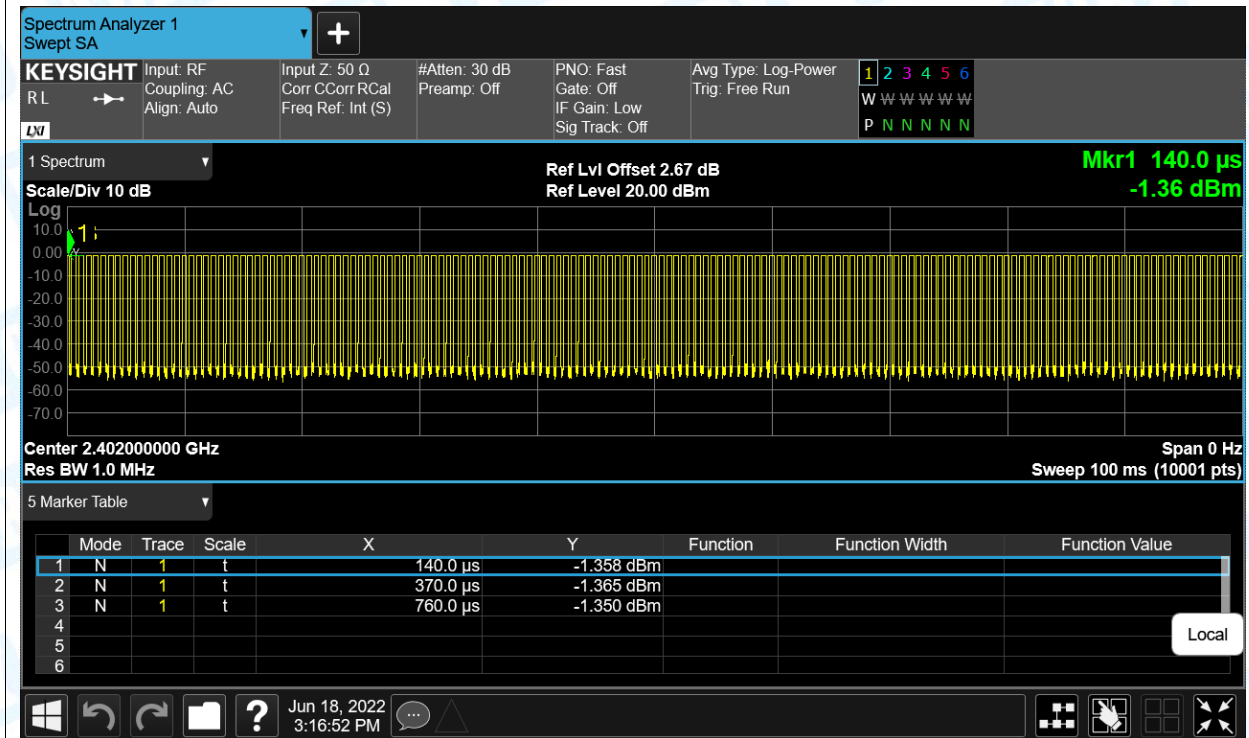
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1. Duty Cycle

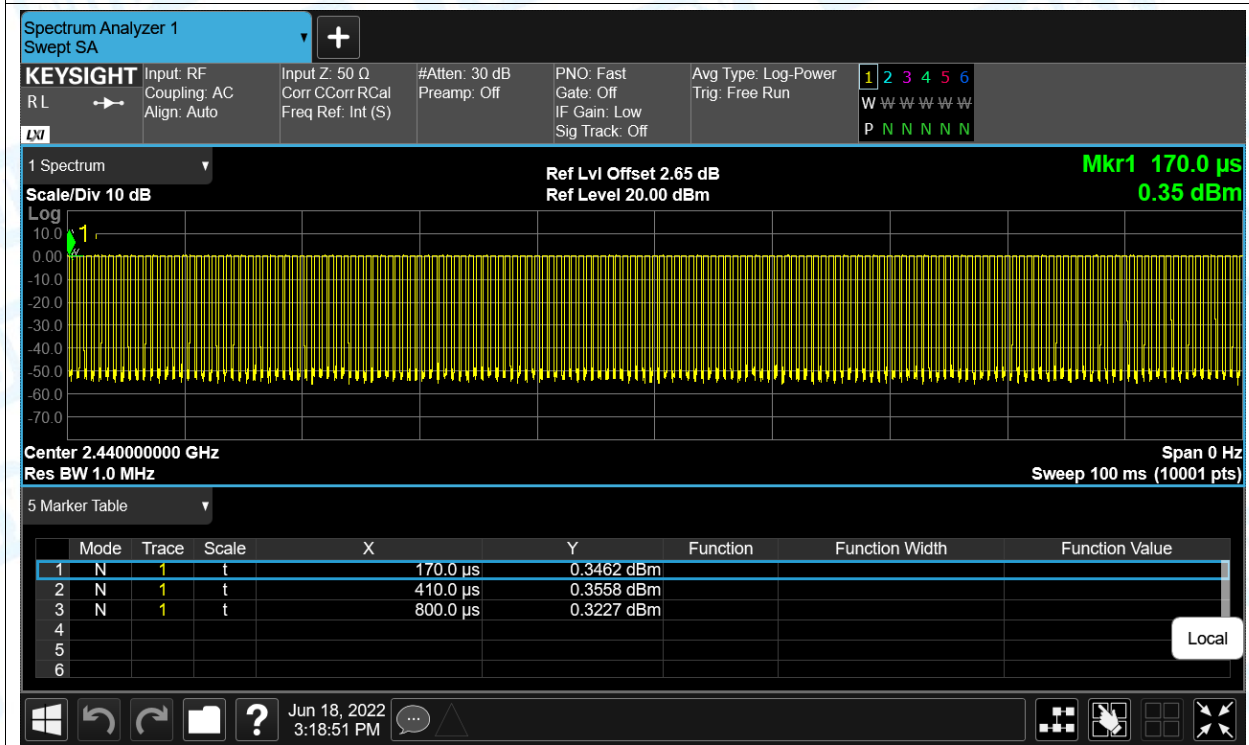
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1Mbps	2402	Ant1	64	1.94	2.56
NVNT	BLE 1Mbps	2440	Ant1	64	1.94	2.56
NVNT	BLE 1Mbps	2480	Ant1	64.79	1.88	2.5

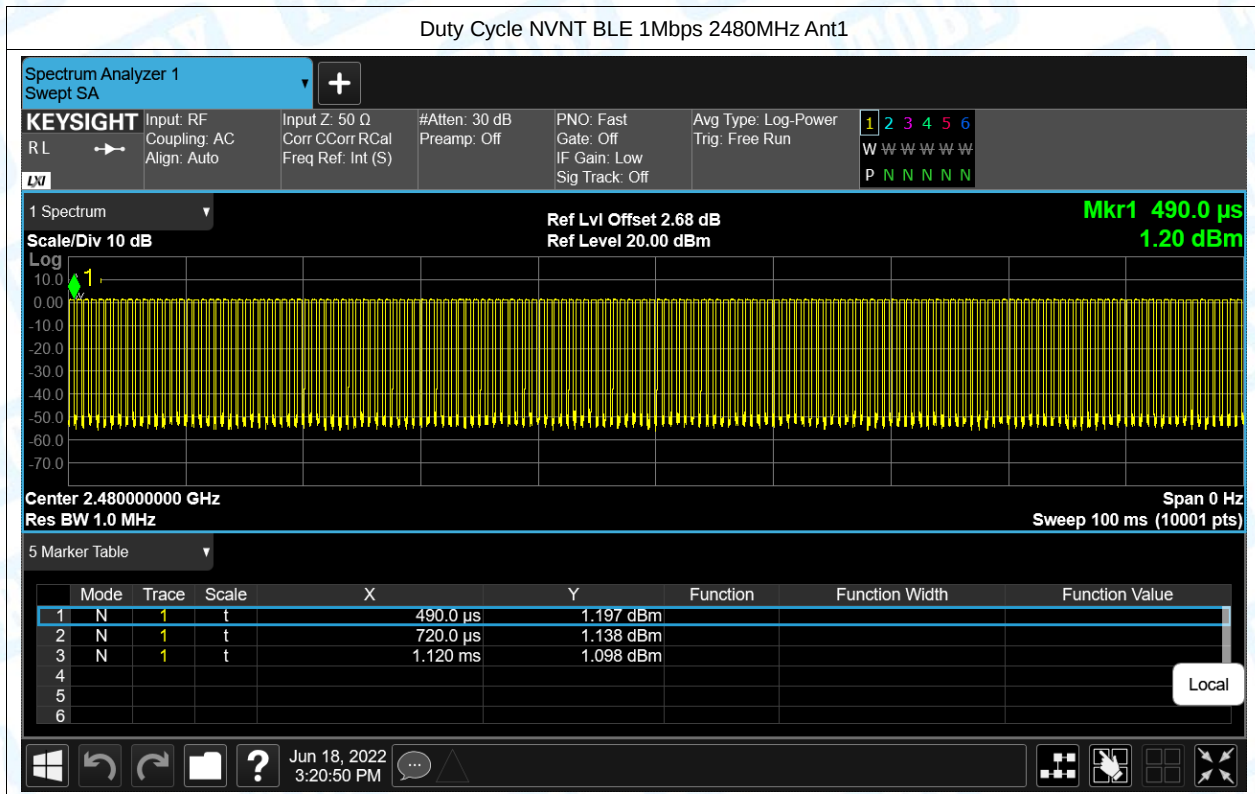
Test Graphs

Duty Cycle NVNT BLE 1Mbps 2402MHz Ant1



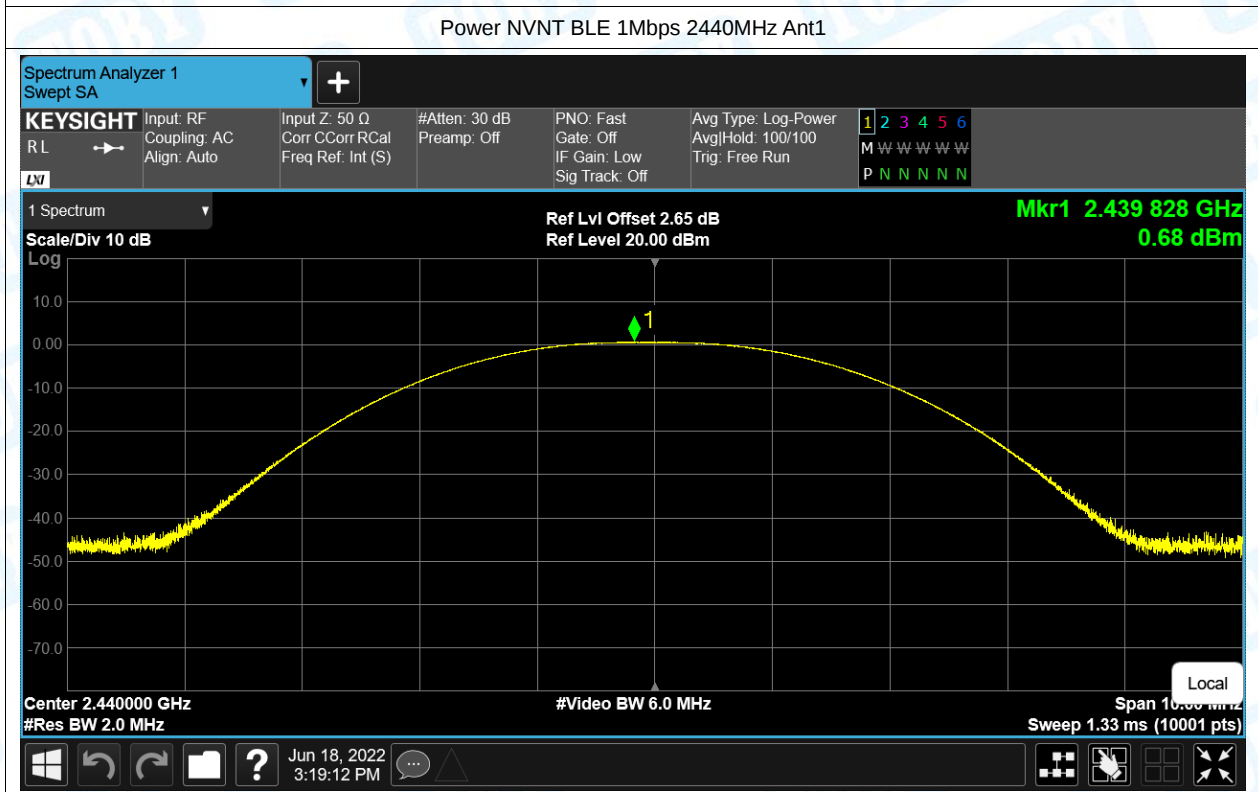
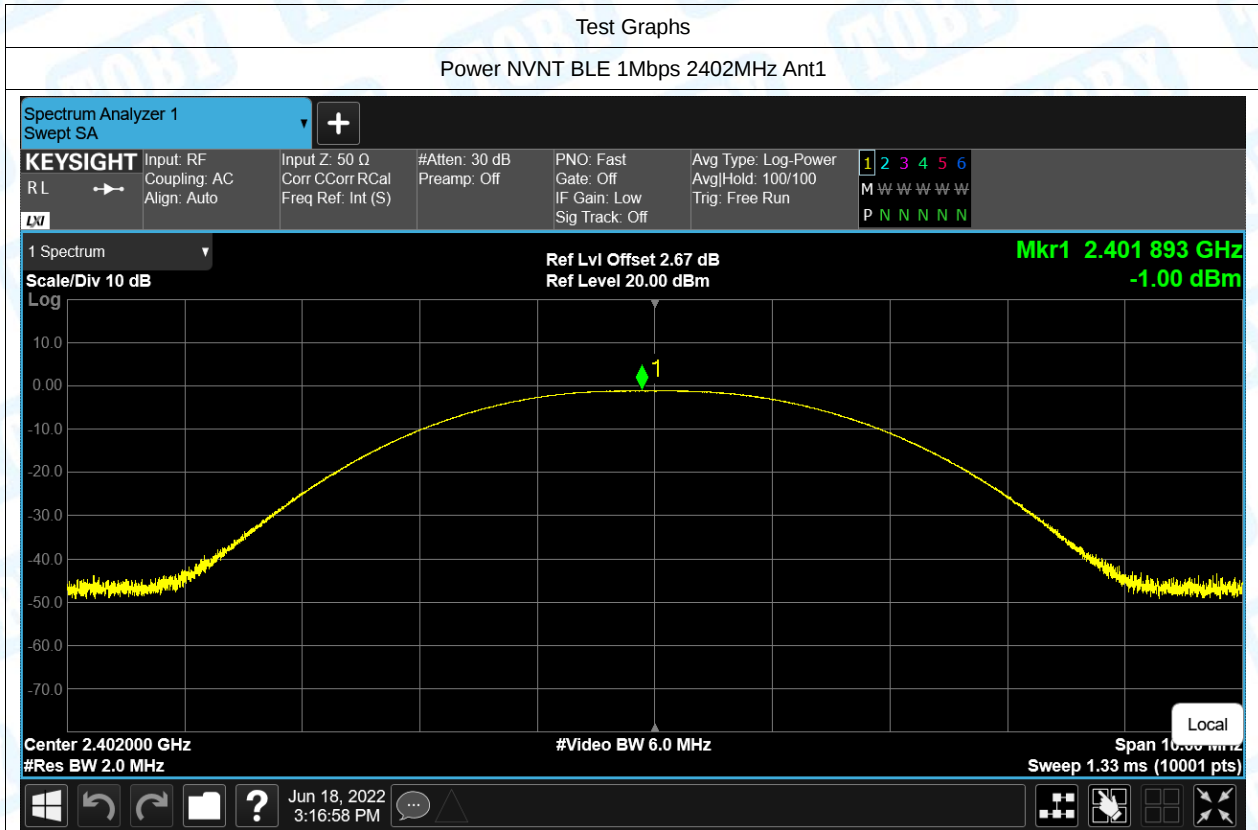
Duty Cycle NVNT BLE 1Mbps 2440MHz Ant1

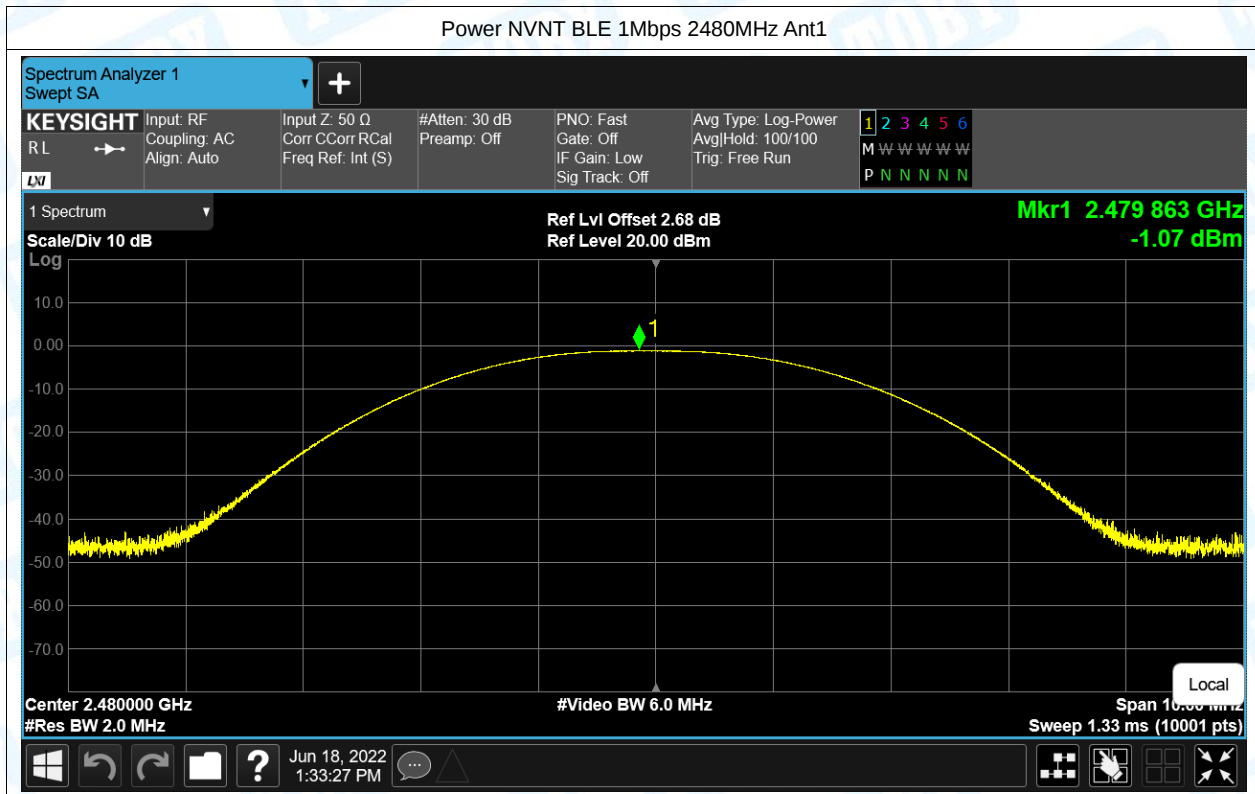




2. Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-0.999	30	Pass
NVNT	BLE 1Mbps	2440	Ant1	0.676	30	Pass
NVNT	BLE 1Mbps	2480	Ant1	-1.072	30	Pass



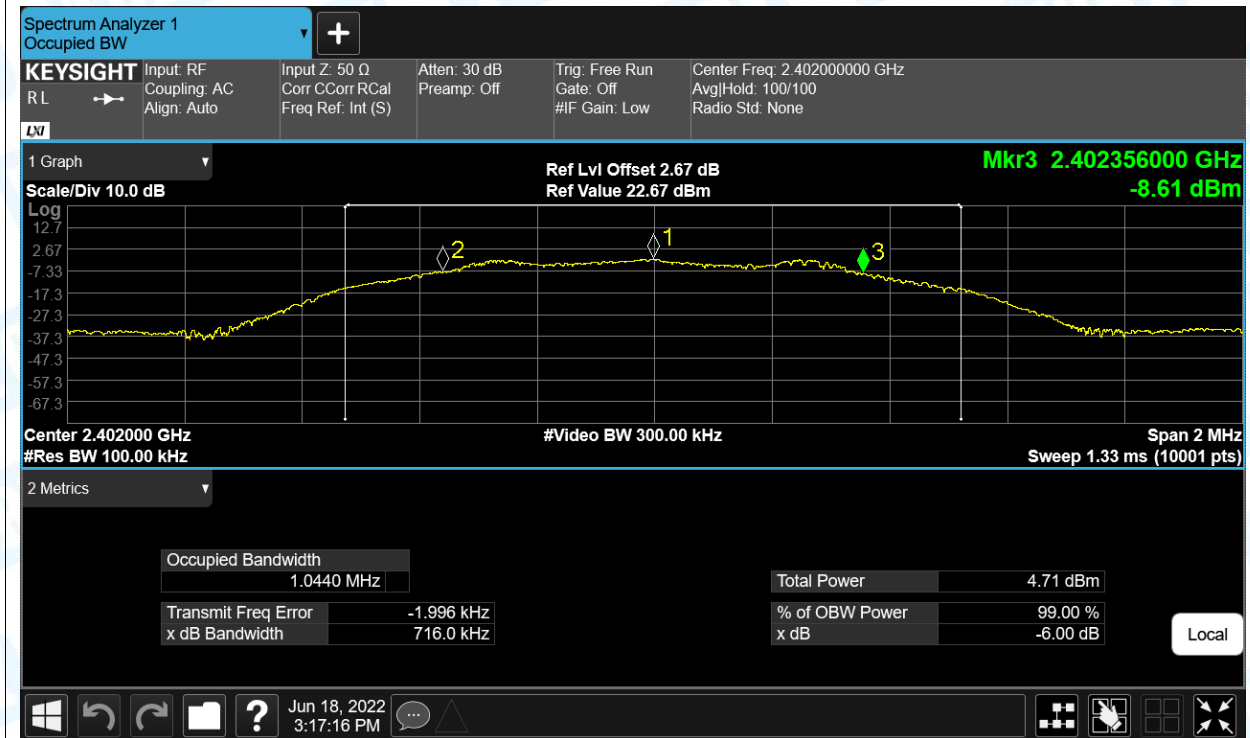


3. -6dB Bandwidth

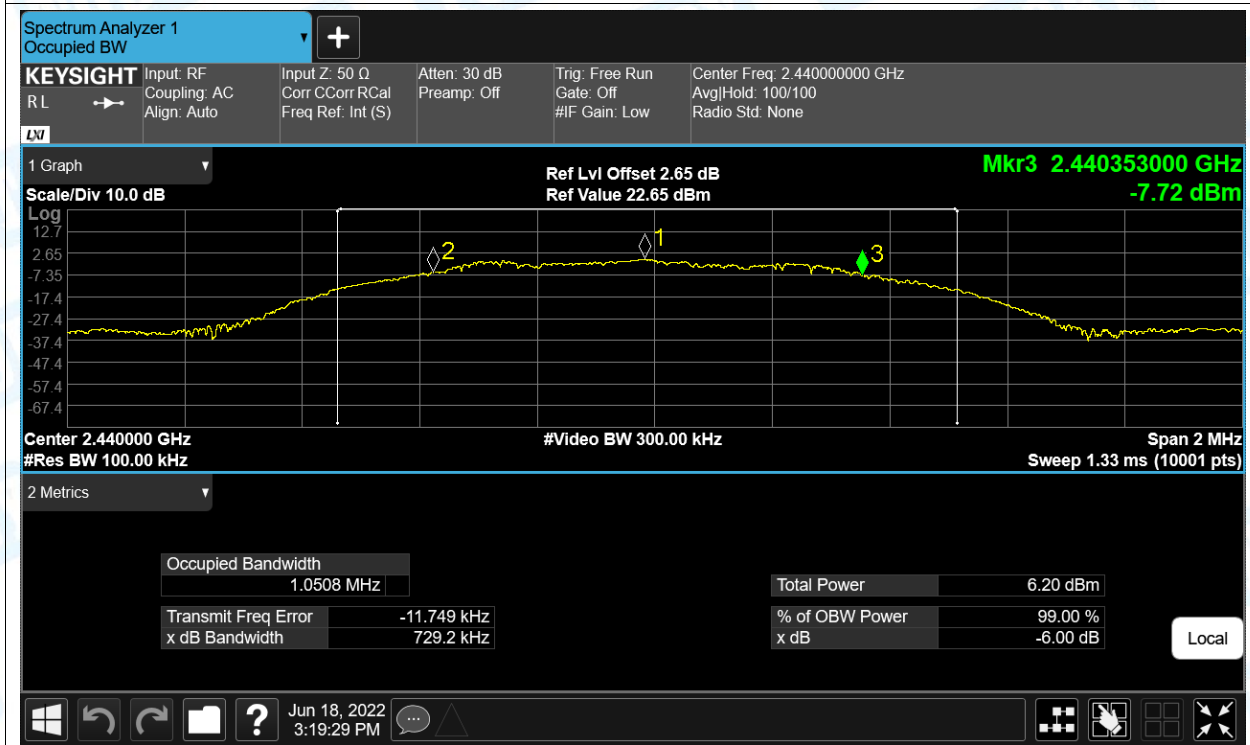
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	0.72	0.5	Pass
NVNT	BLE 1Mbps	2440	Ant1	0.73	0.5	Pass
NVNT	BLE 1Mbps	2480	Ant1	0.73	0.5	Pass

Test Graphs

-6dB Bandwidth NVNT BLE 1Mbps 2402MHz Ant1



-6dB Bandwidth NVNT BLE 1Mbps 2440MHz Ant1



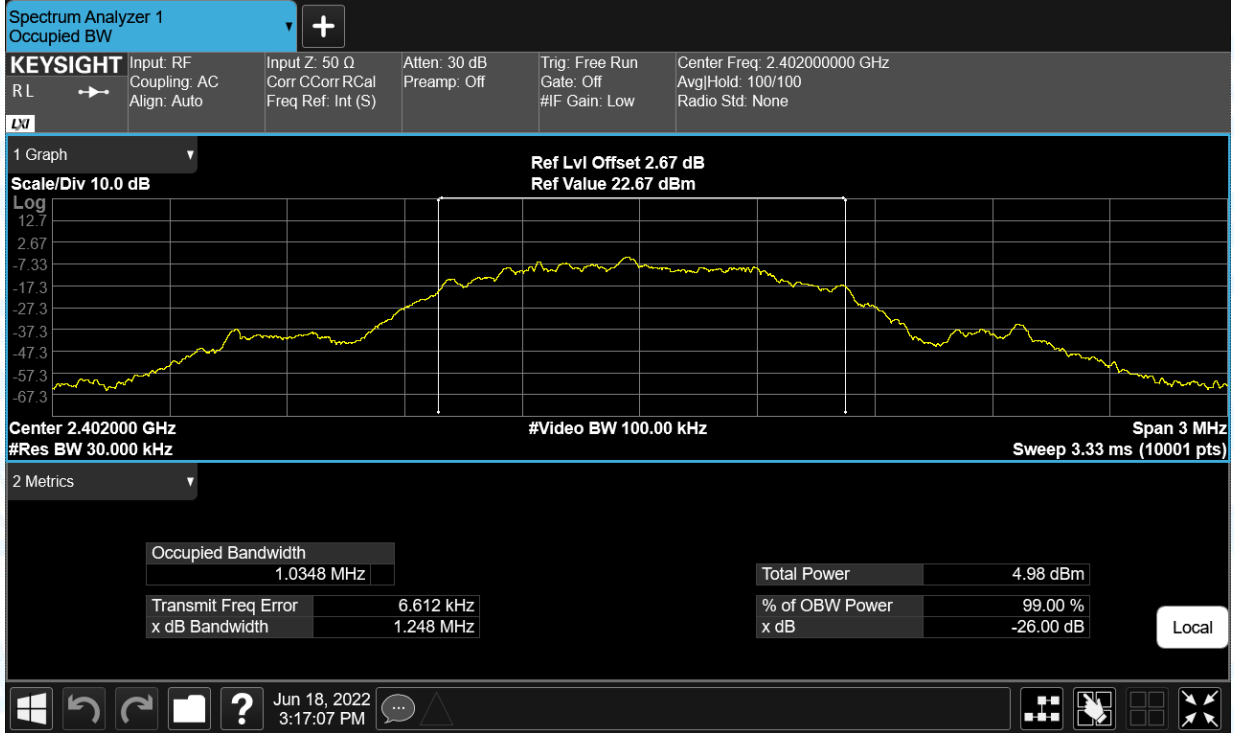


4. Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1Mbps	2402	Ant1	1.035
NVNT	BLE 1Mbps	2440	Ant1	1.036
NVNT	BLE 1Mbps	2480	Ant1	1.035

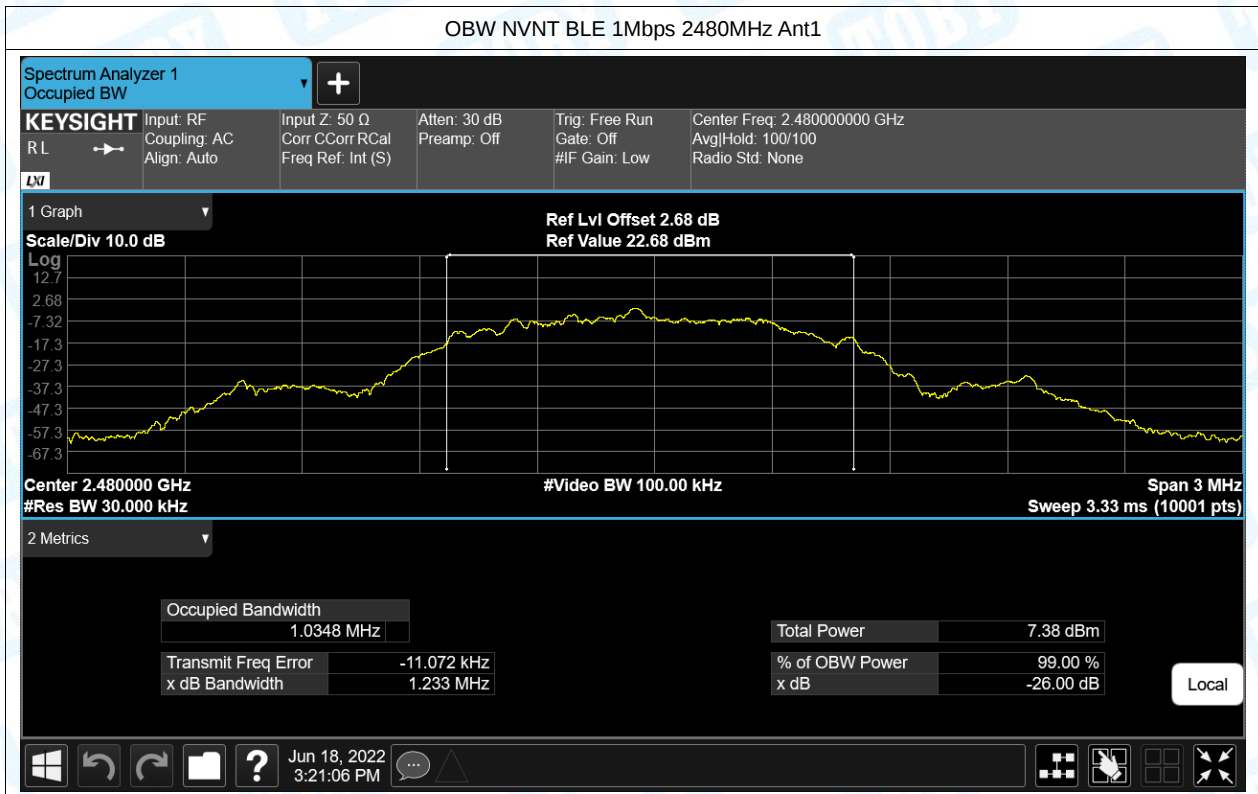
Test Graphs

OBW NVNT BLE 1Mbps 2402MHz Ant1



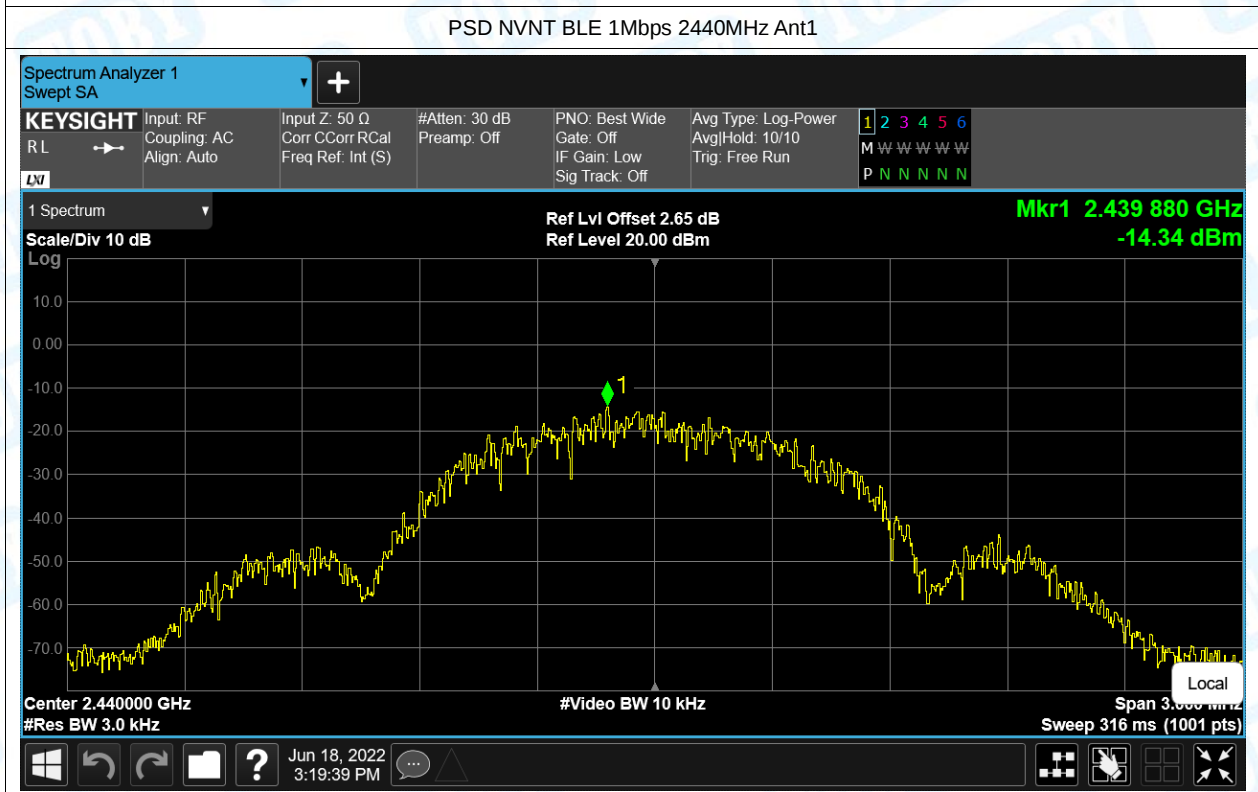
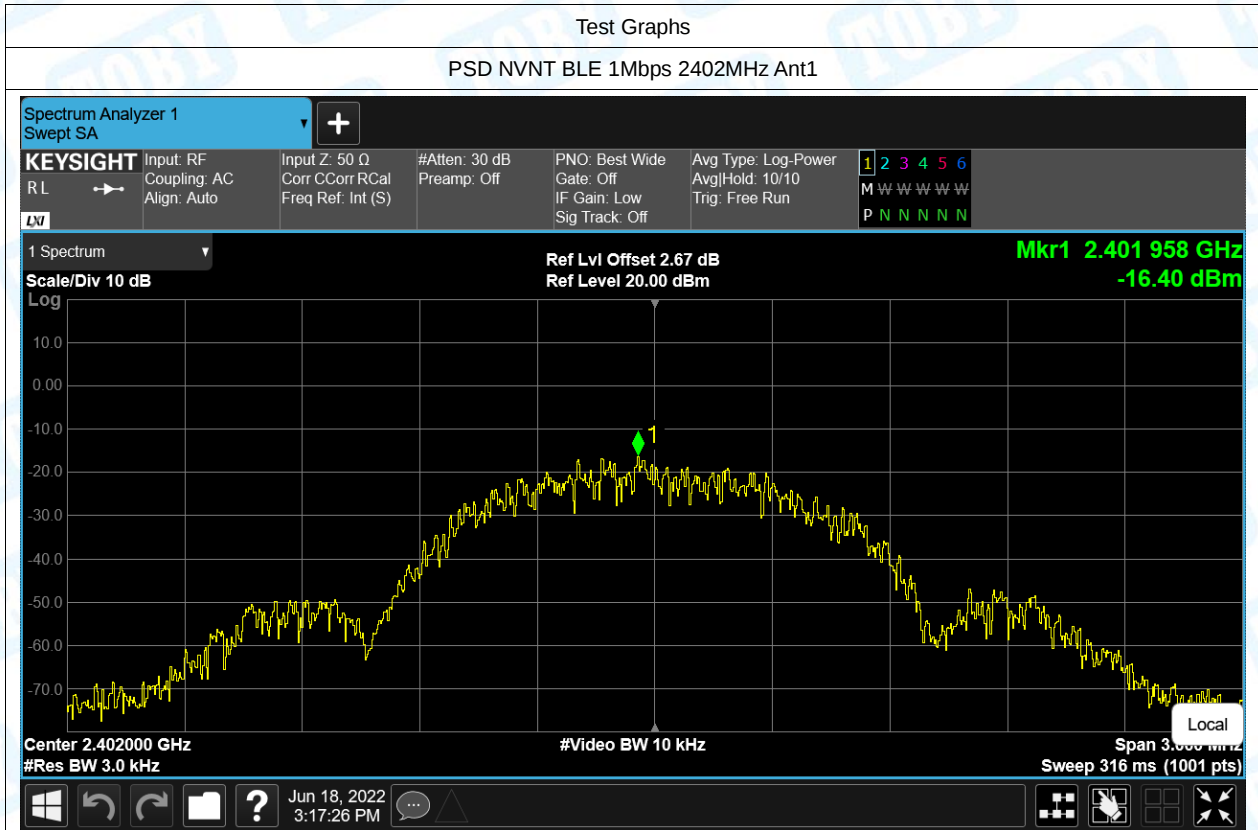
OBW NVNT BLE 1Mbps 2440MHz Ant1

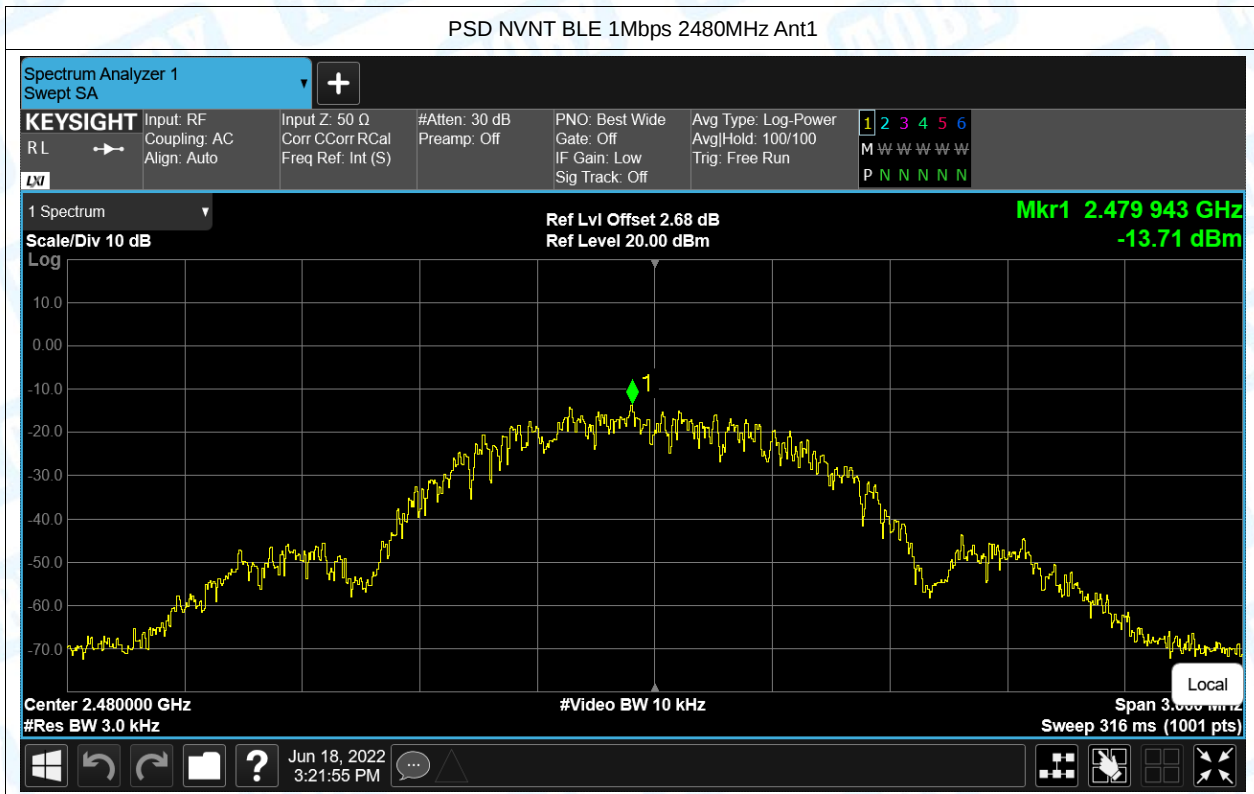




5. Maximum Power Spectral Density Level

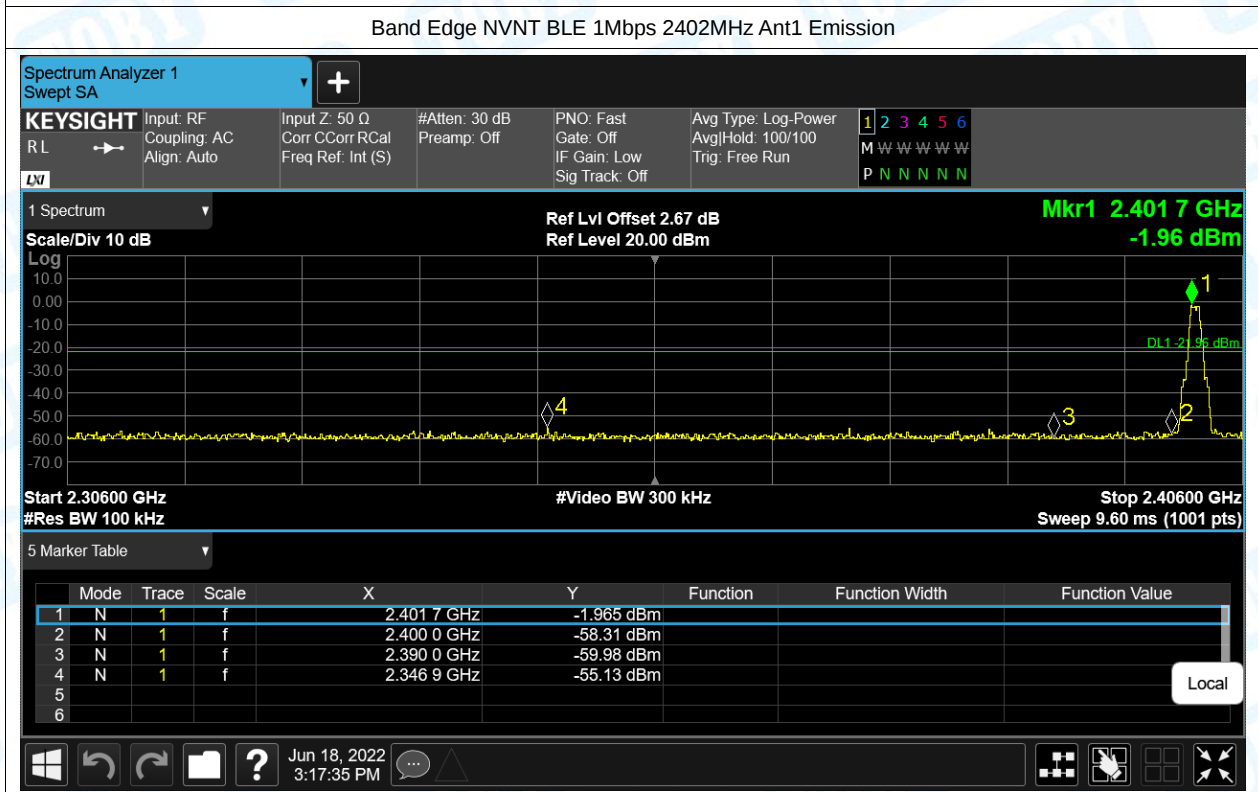
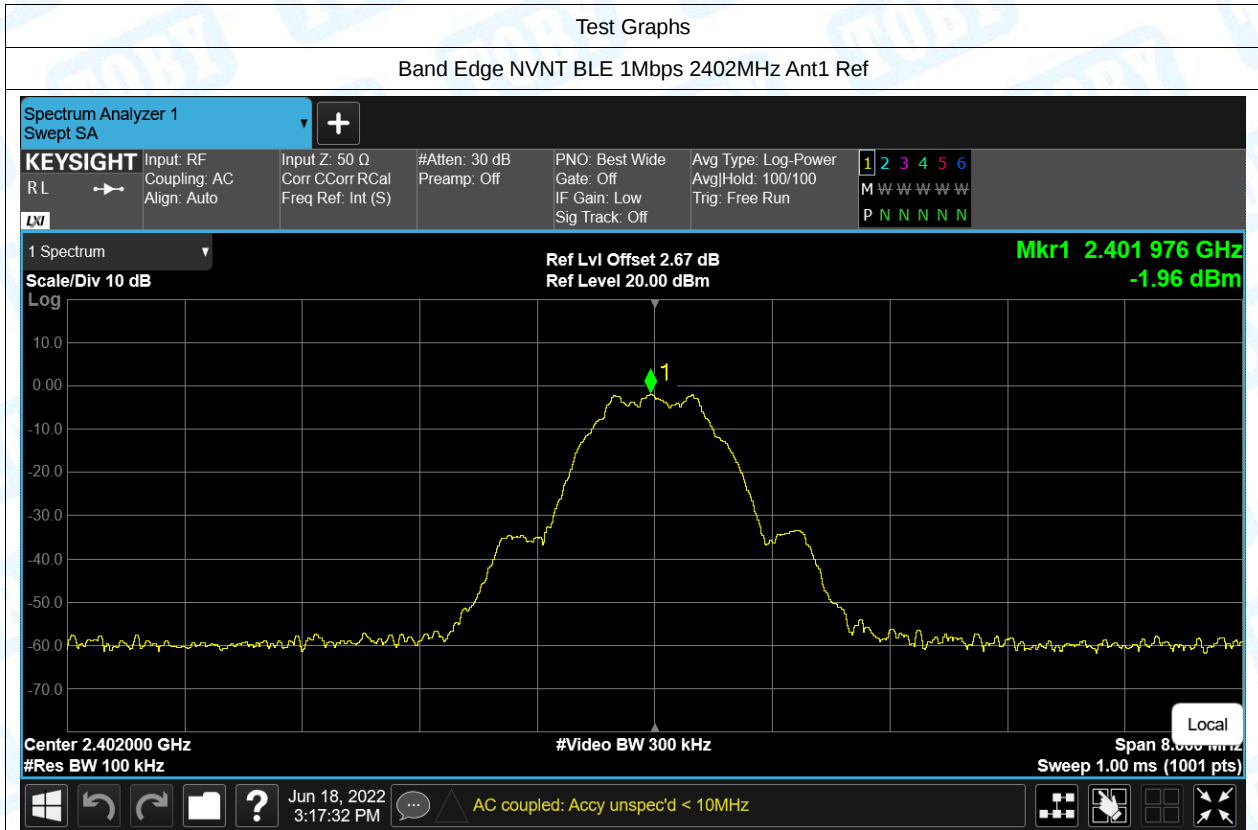
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-16.403	8	Pass
NVNT	BLE 1Mbps	2440	Ant1	-14.343	8	Pass
NVNT	BLE 1Mbps	2480	Ant1	-13.711	8	Pass

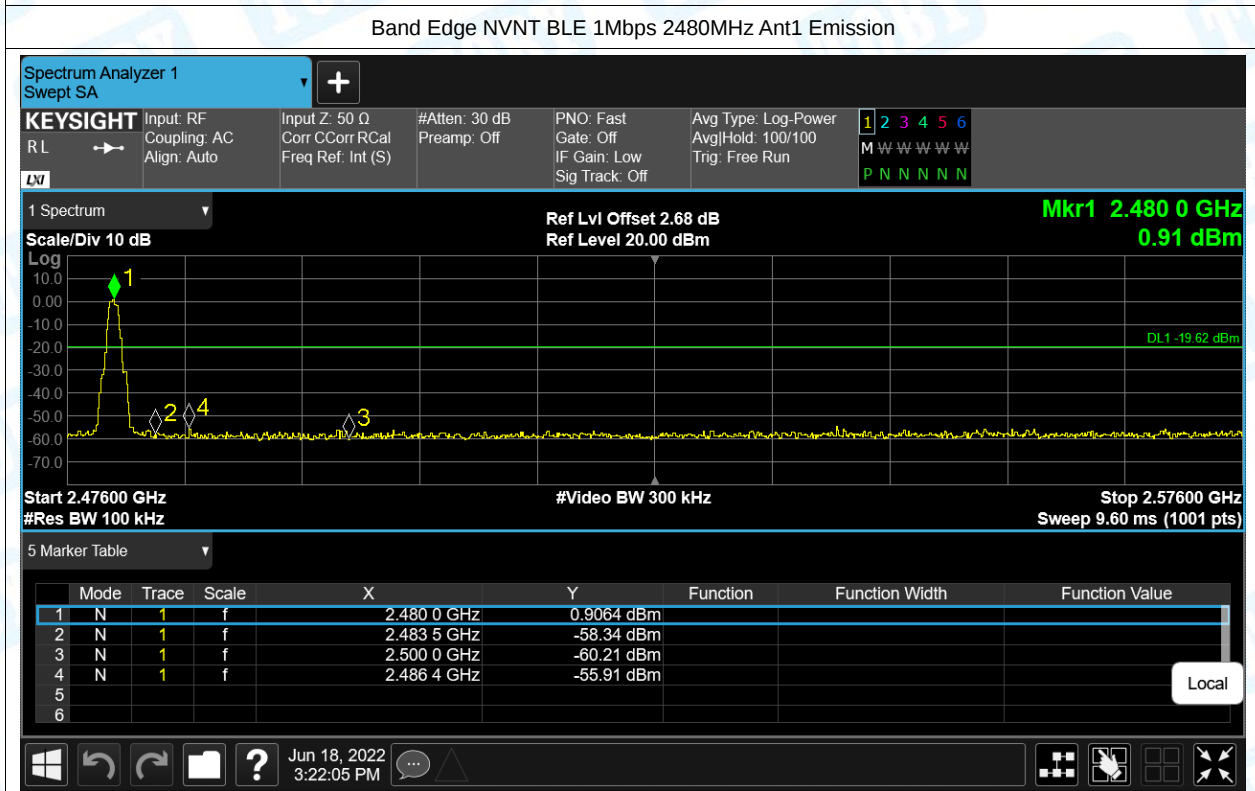
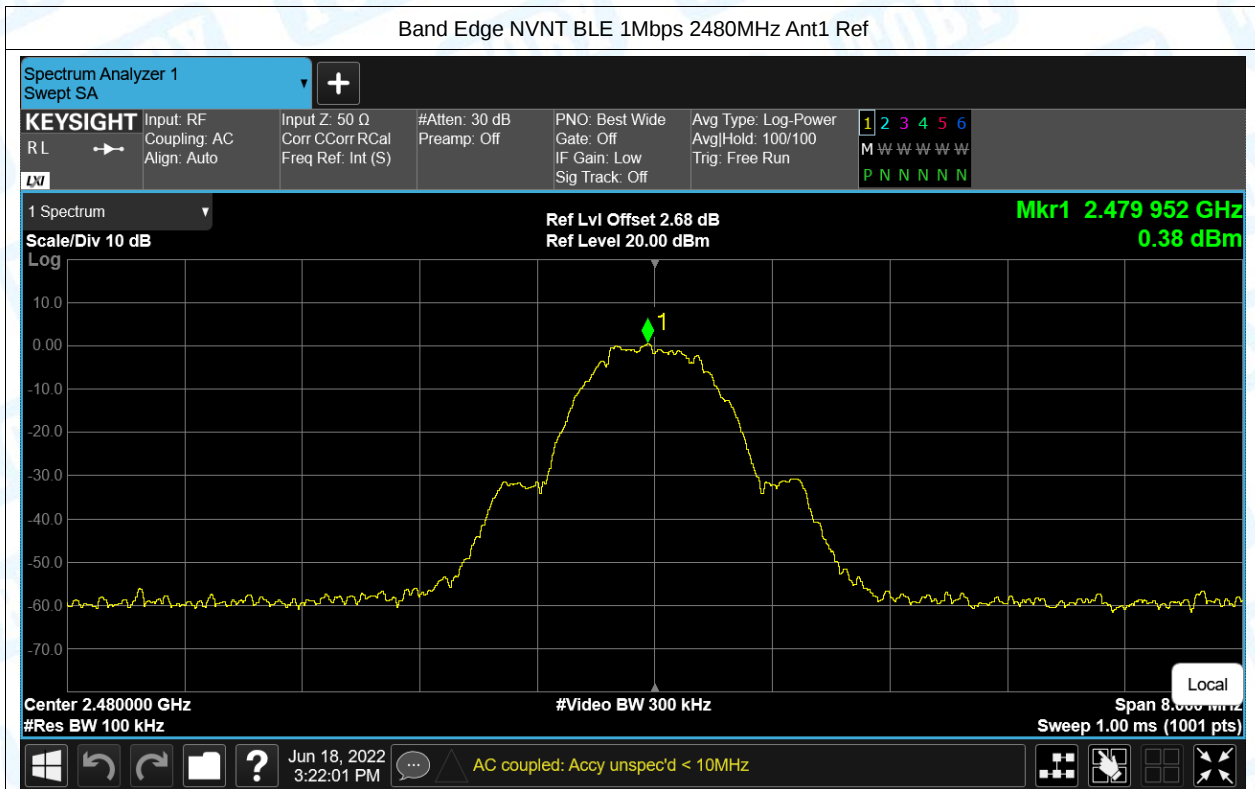




6. Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-53.17	-20	Pass
NVNT	BLE 1Mbps	2480	Ant1	-56.29	-20	Pass

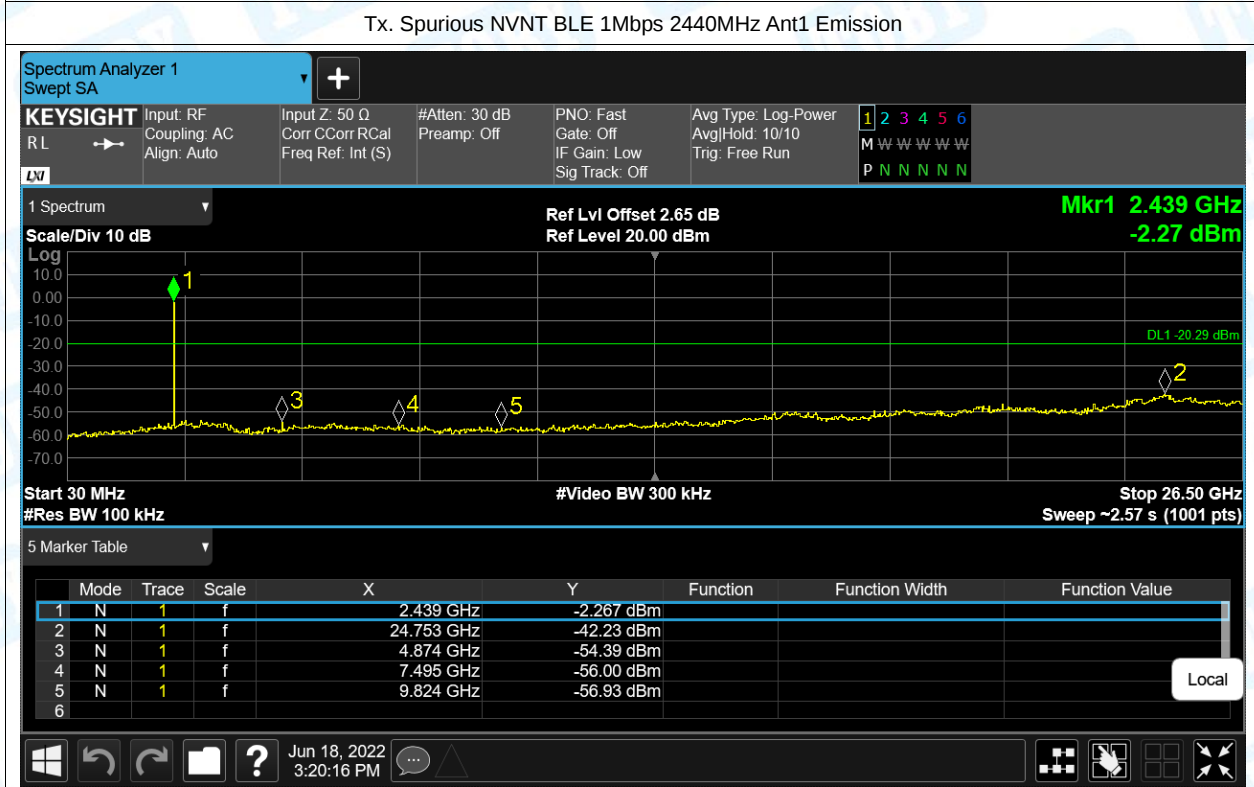
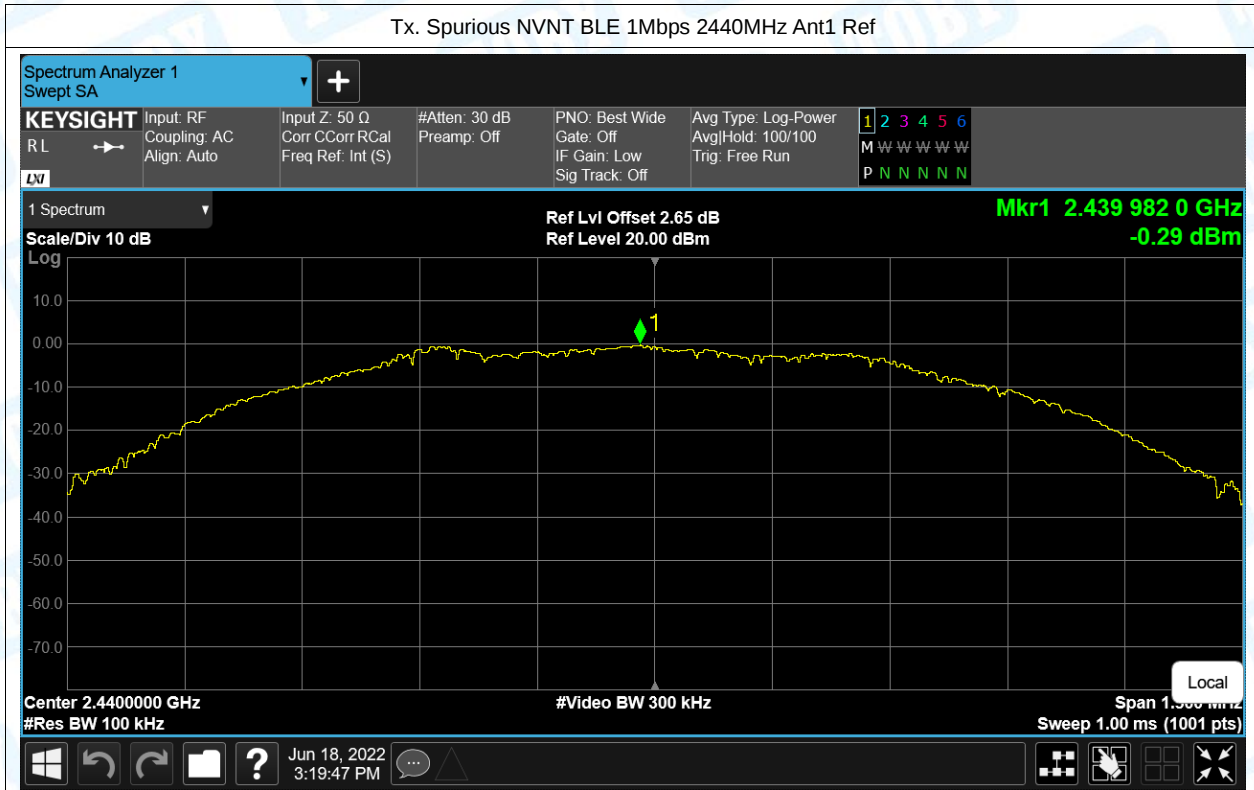


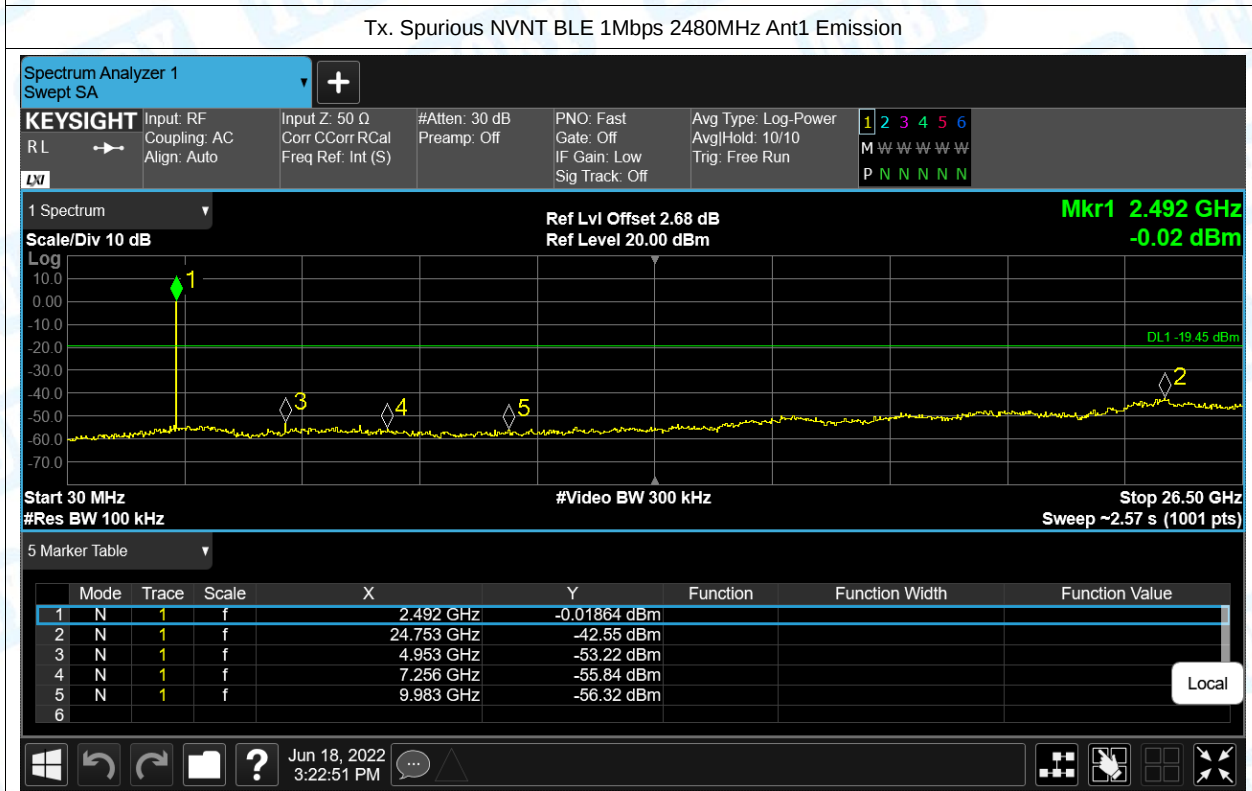
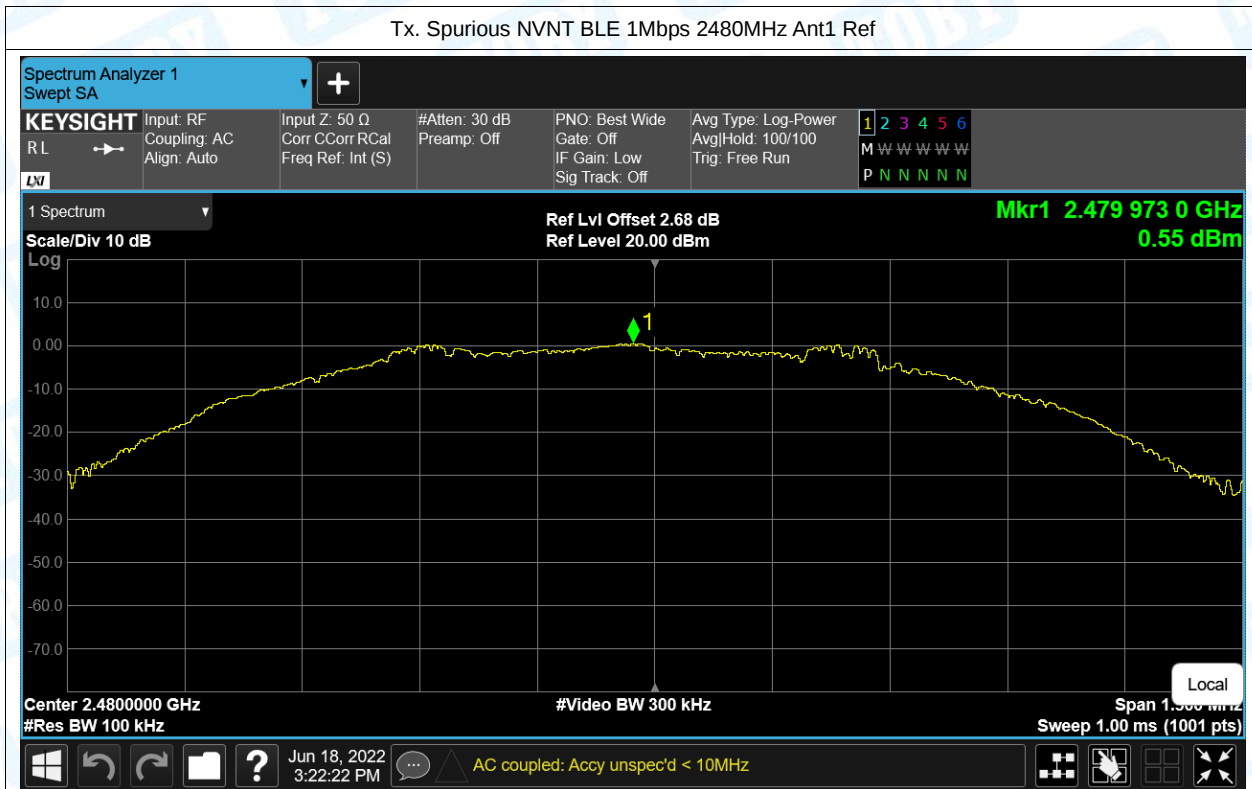


7. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-40.74	-20	Pass
NVNT	BLE 1Mbps	2440	Ant1	-41.95	-20	Pass
NVNT	BLE 1Mbps	2480	Ant1	-43.1	-20	Pass

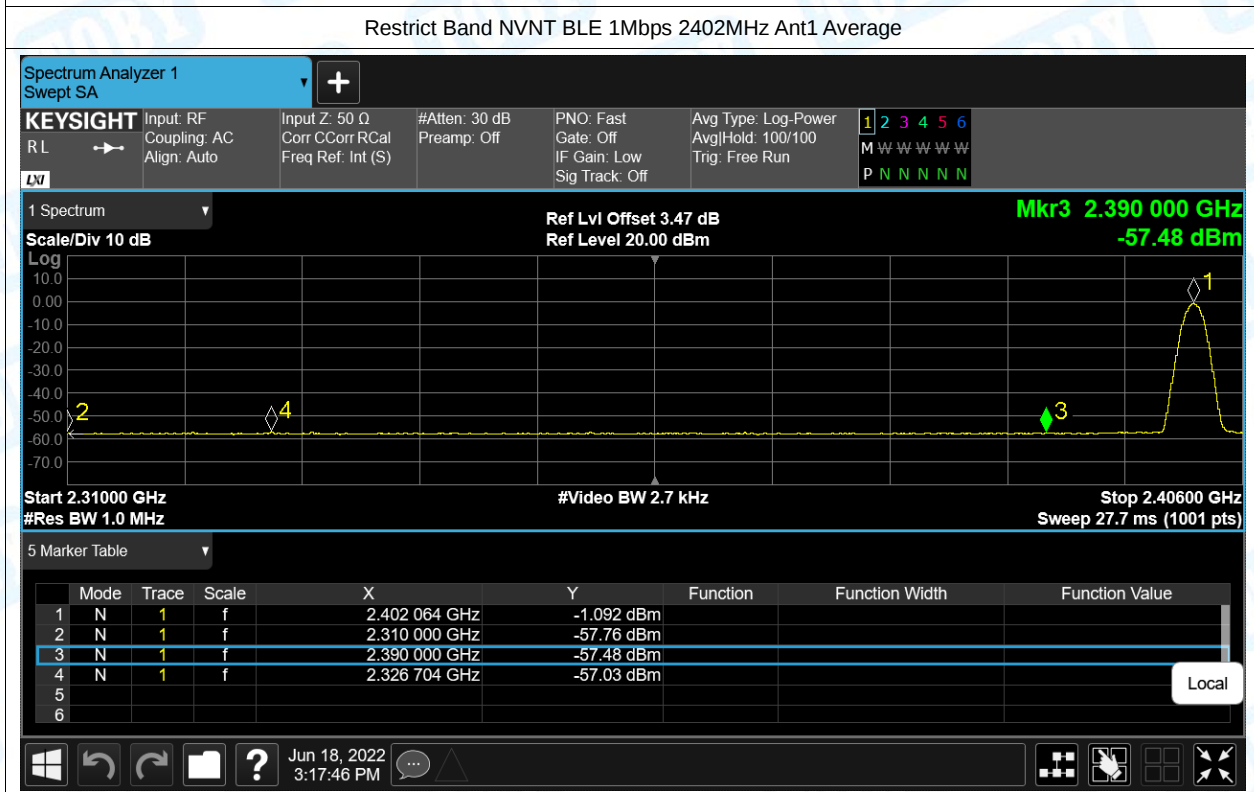
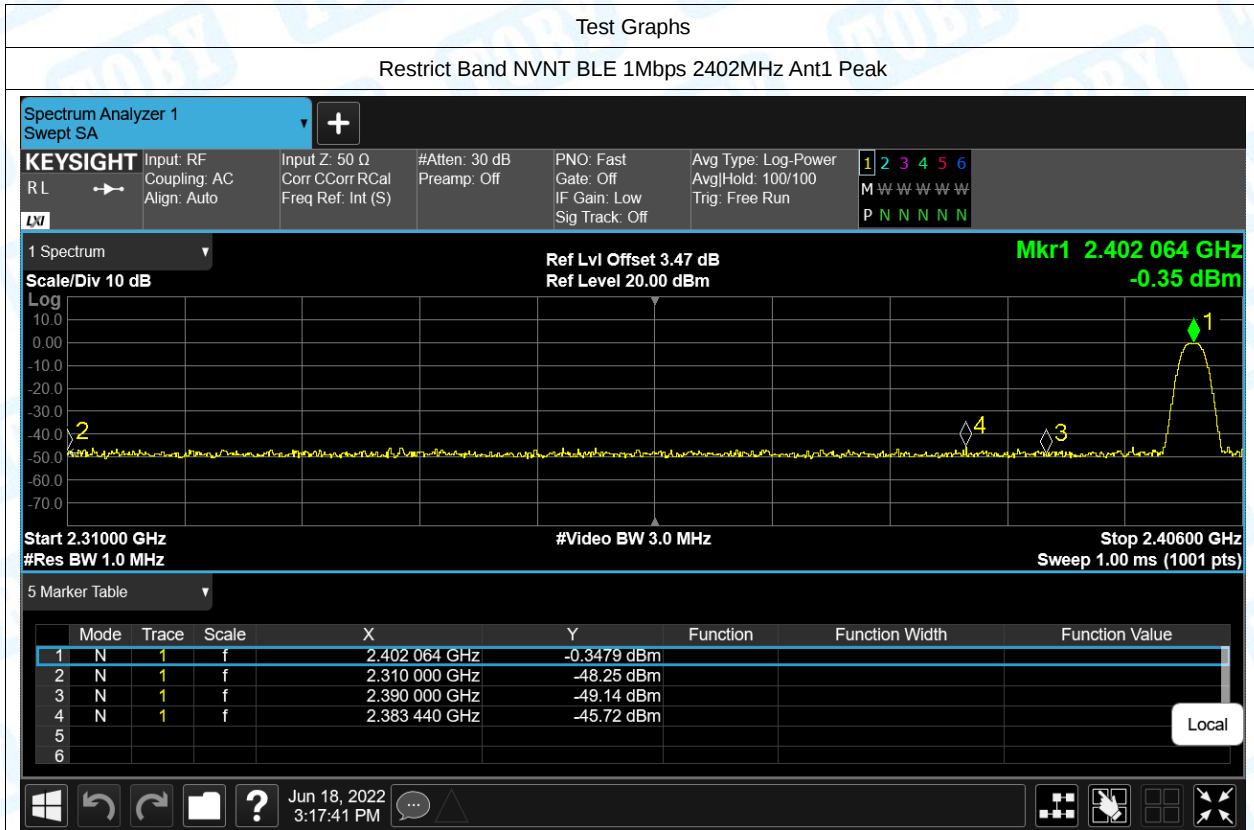




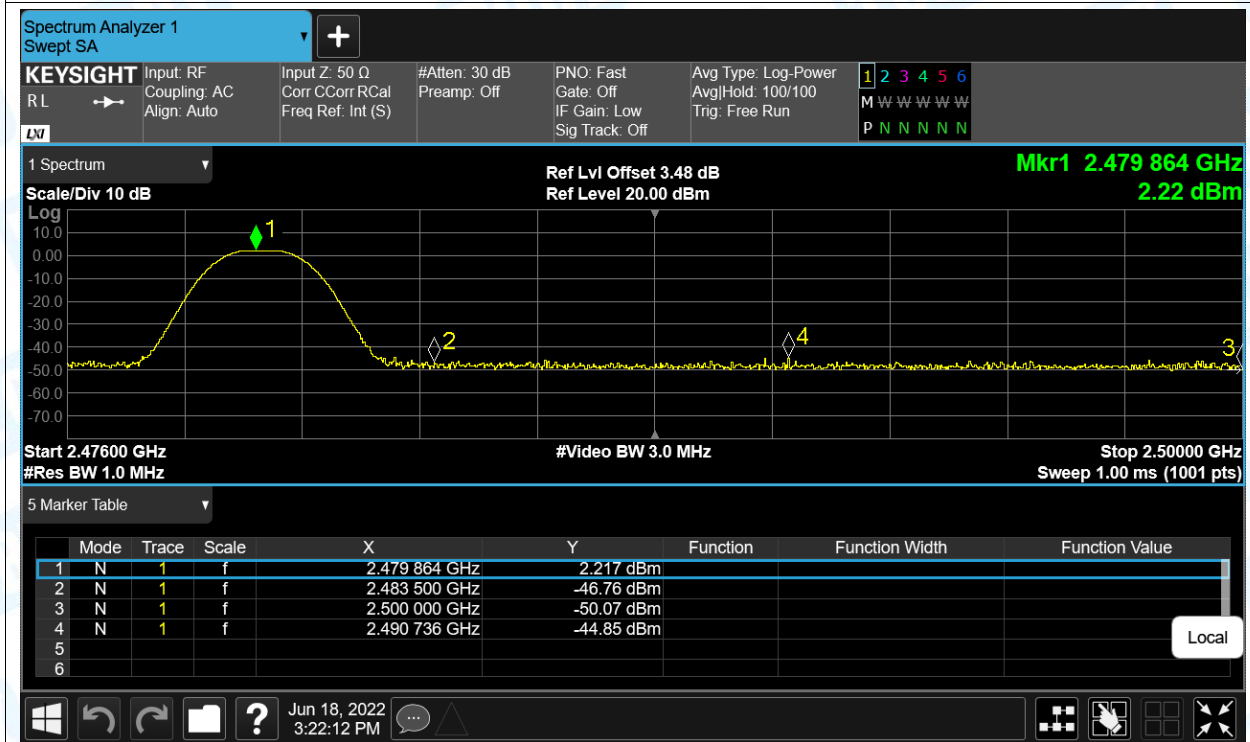


8. Restrict Band

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	-48.25	2	49.01	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2310	-57.76	2	39.5	Average	54	Pass
NVNT	BLE 1Mbps	2402	Ant1	2383.44	-45.72	2	51.54	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2326.704	-57.03	2	40.23	Average	54	Pass
NVNT	BLE 1Mbps	2402	Ant1	2390	-49.51	2	47.75	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2390	-57.38	2	39.88	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.5	-46.76	2	50.5	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.5	-56.75	2	40.51	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2490.736	-44.85	2	52.41	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2484.208	-56.44	2	40.82	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2500	-50.07	2	47.19	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2500	-57.56	2	39.7	Average	54	Pass



Restrict Band NVNT BLE 1Mbps 2480MHz Ant1 Peak



Restrict Band NVNT BLE 1Mbps 2480MHz Ant1 Average

