

RF Test Data for Bluetooth LE (Conducted Measurements)

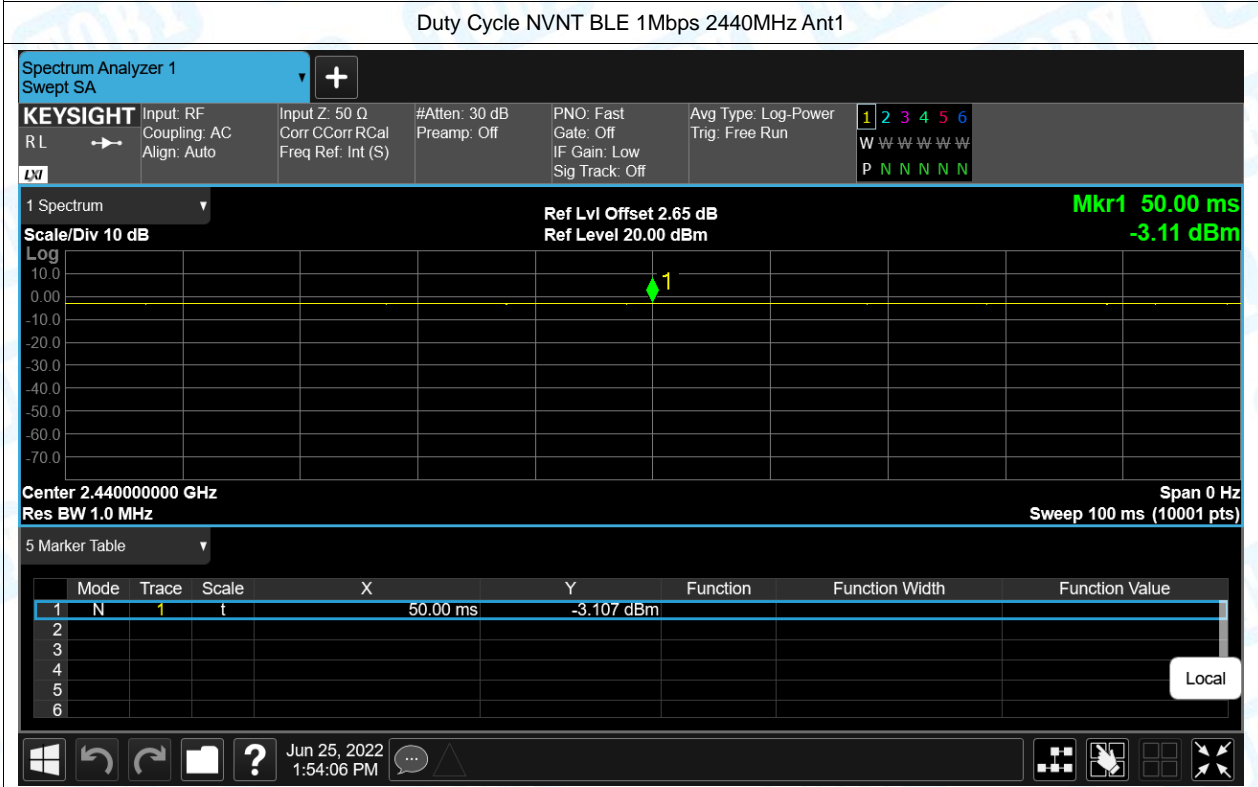
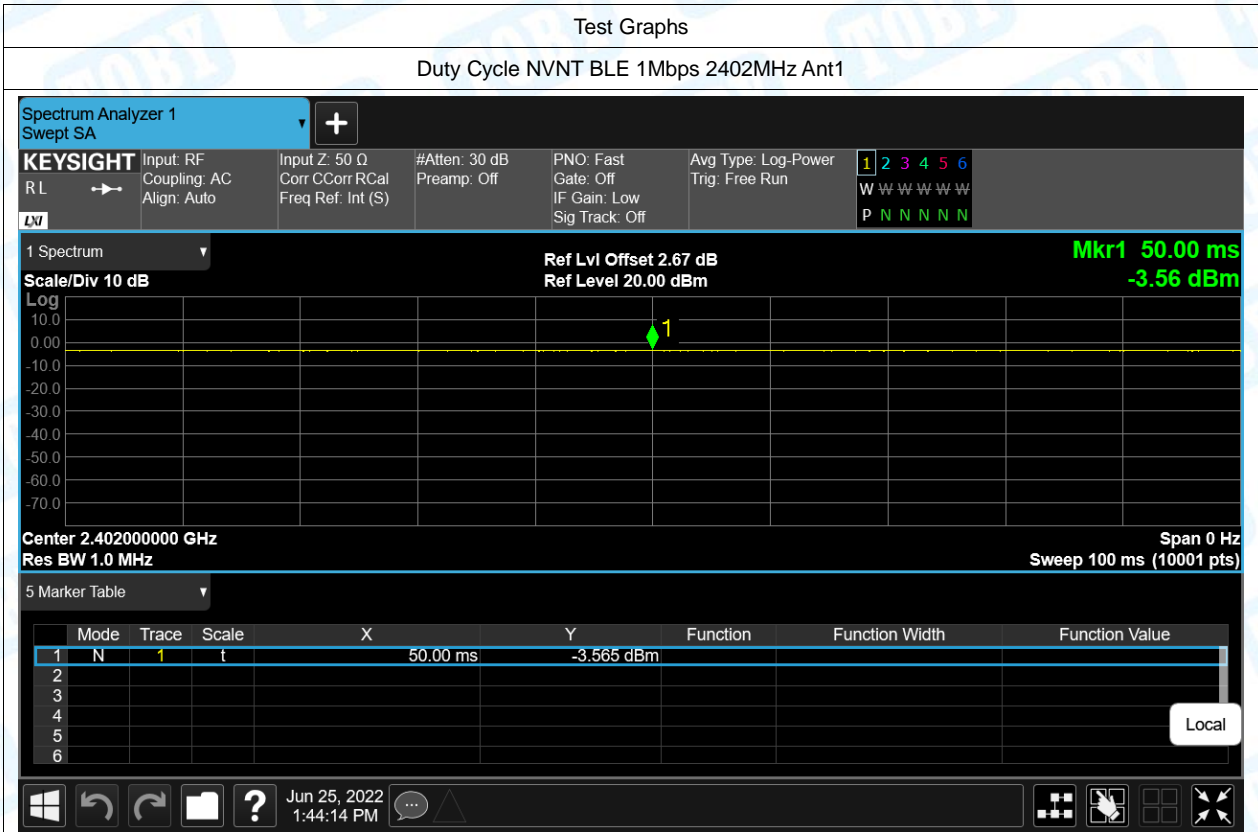
General Description of EUT	
Product Name:	LED TV
Test Model:	FSTV-3222P
Sample ID:	202202-0014-1_02#
Environmental Conditions	
Temperature:	25°C
Relative Humidity:	55%
Test Voltage:	DC 12V
Test Engineer:	Huangjianping
Note: For a more detailed features description, please refer to the report TBR-C-202202-0014-11	

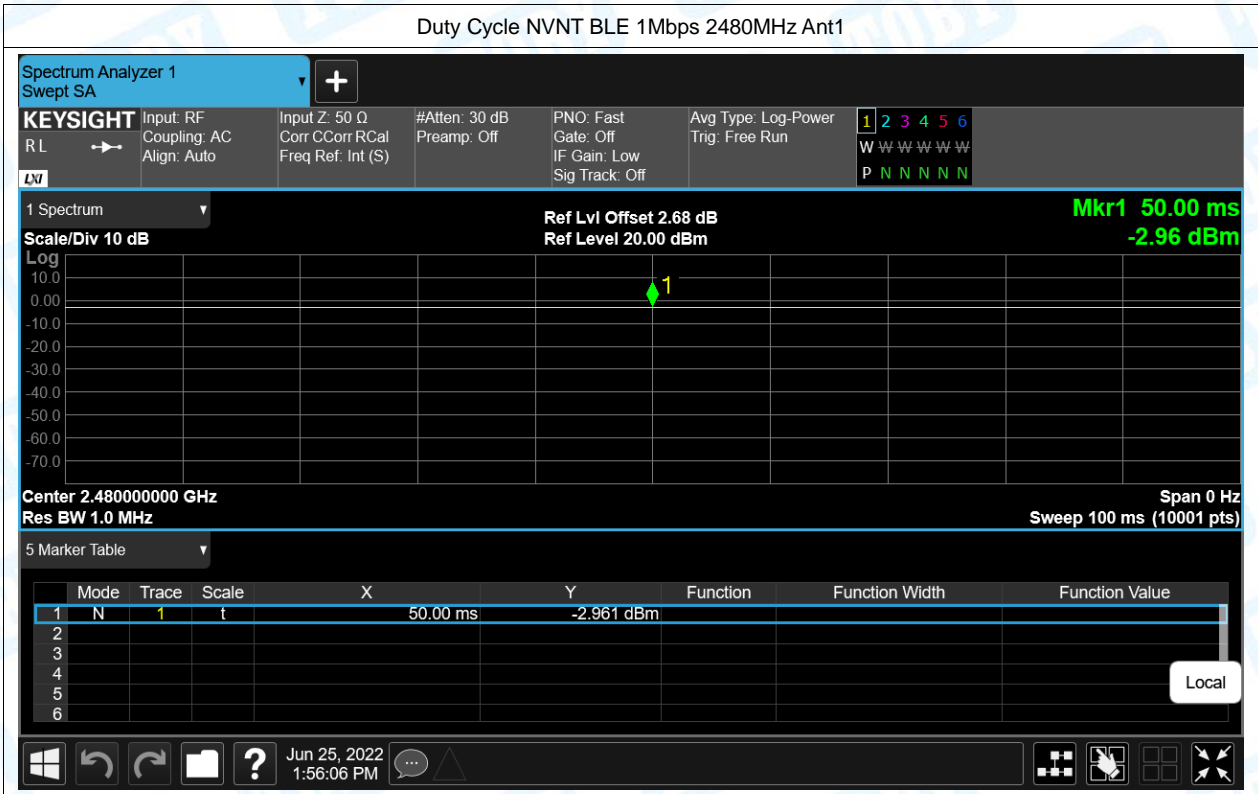
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1. Duty Cycle

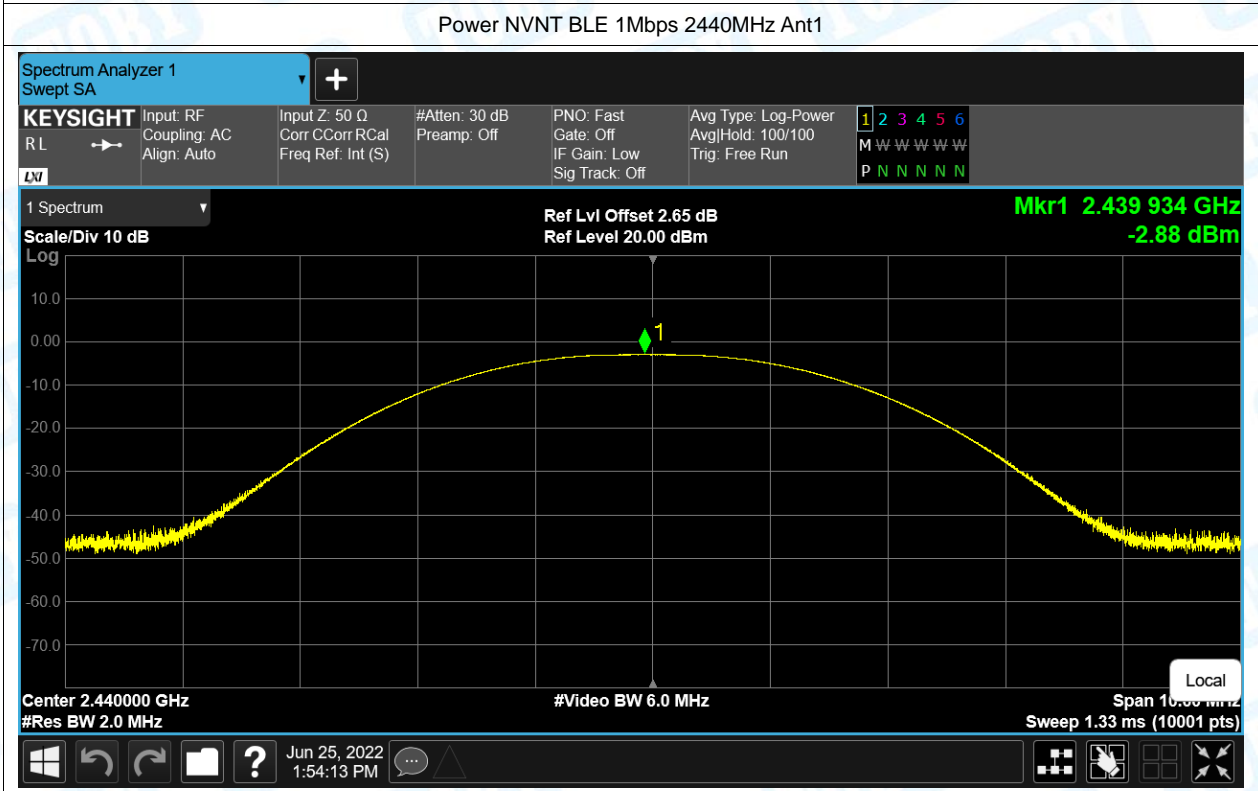
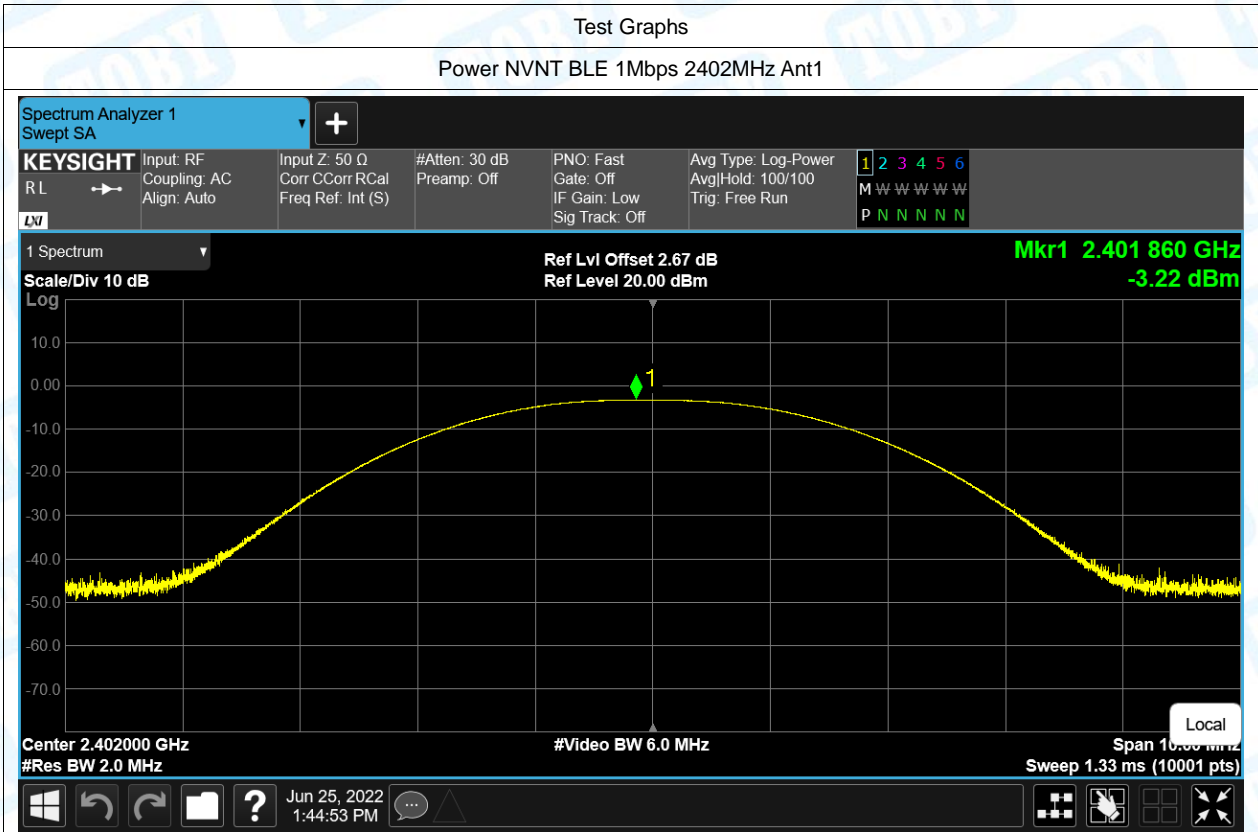
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1Mbps	2402	Ant1	100	0	0
NVNT	BLE 1Mbps	2440	Ant1	100	0	0
NVNT	BLE 1Mbps	2480	Ant1	100	0	0

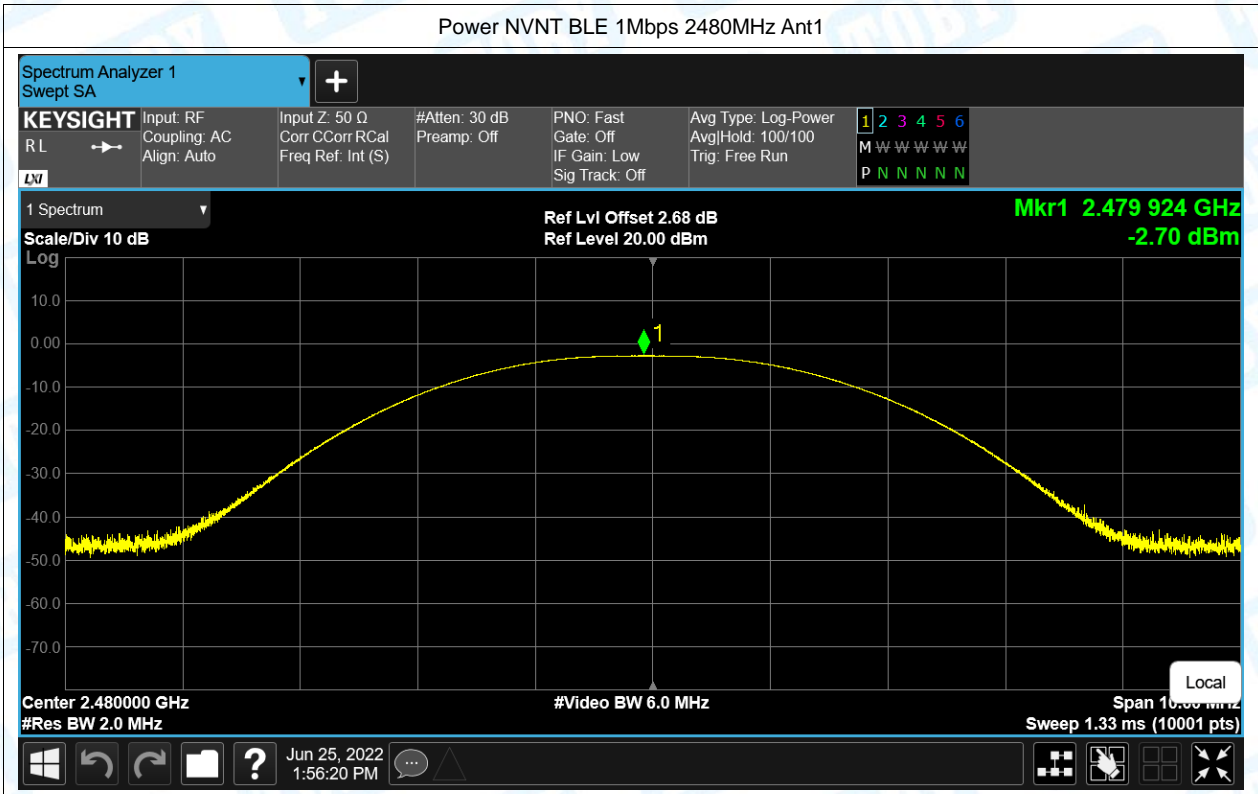




2. Maximum Conducted Output Power

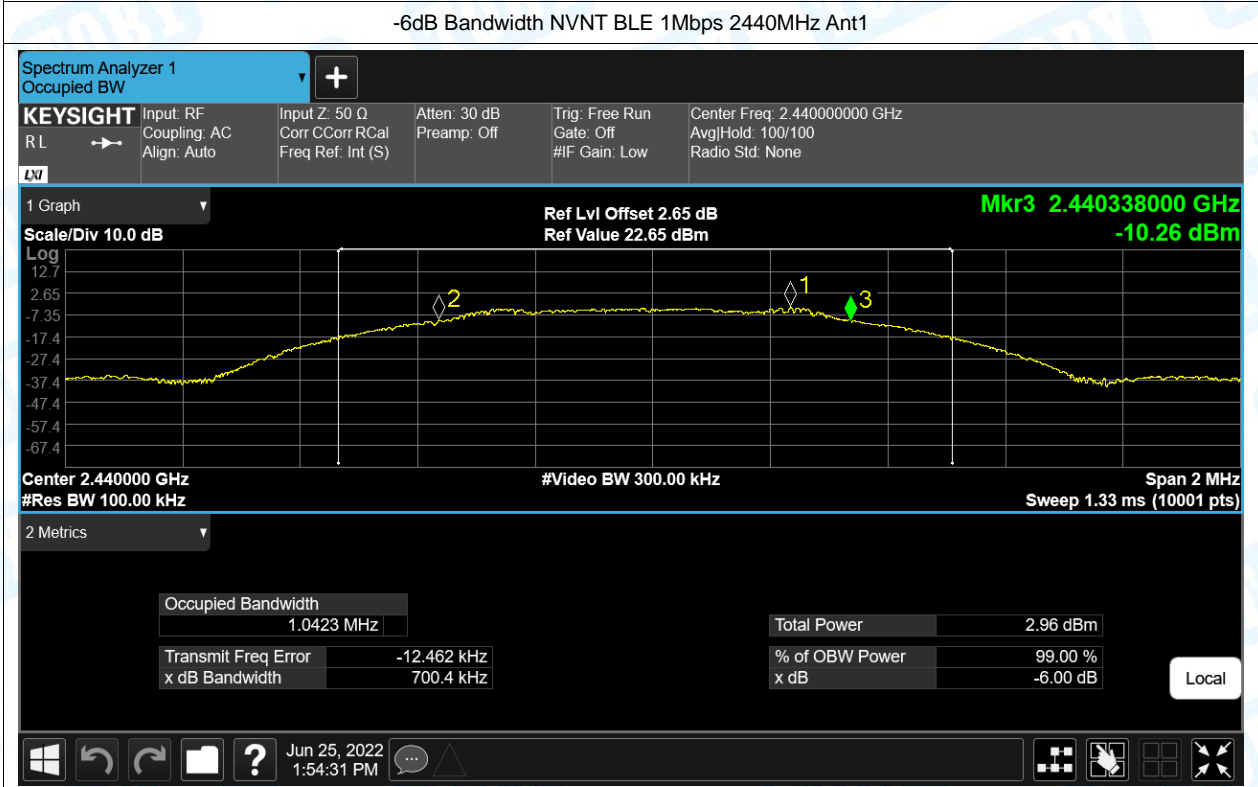
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-3.216	30	Pass
NVNT	BLE 1Mbps	2440	Ant1	-2.878	30	Pass
NVNT	BLE 1Mbps	2480	Ant1	-2.696	30	Pass

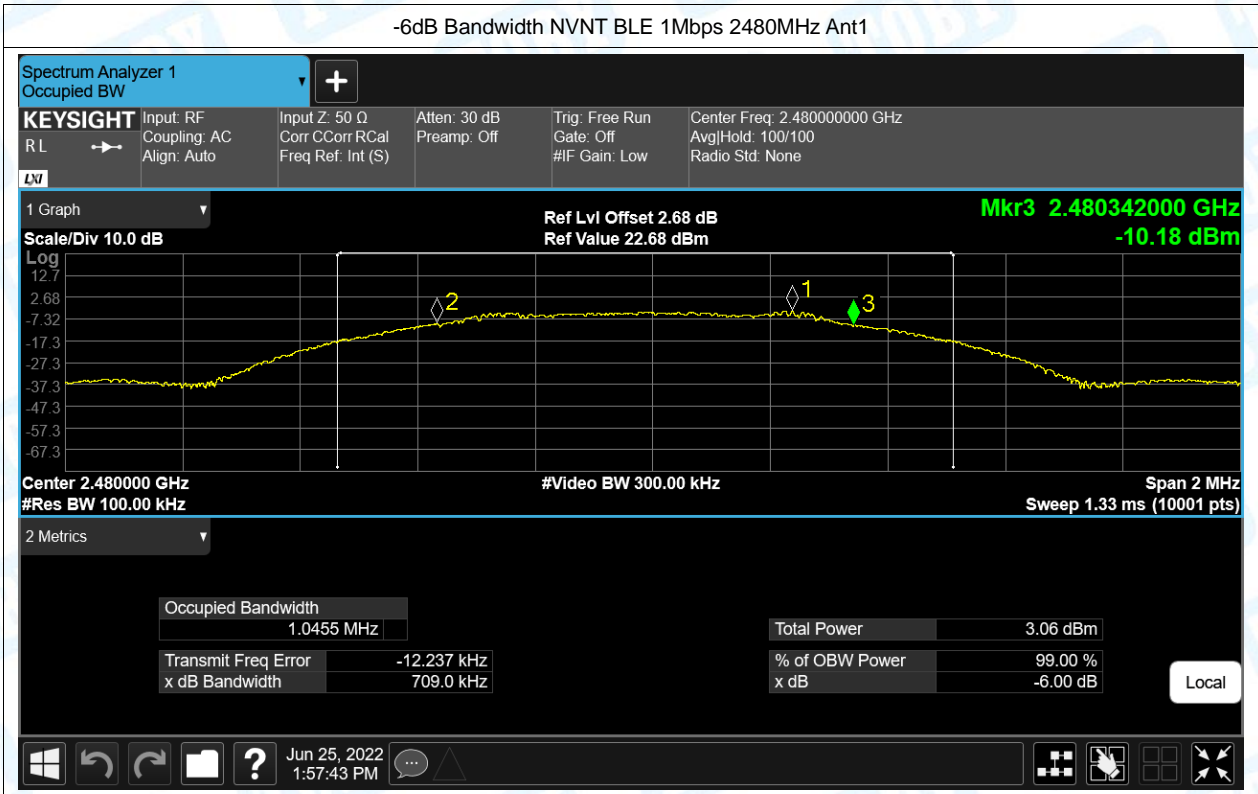




3. -6dB Bandwidth

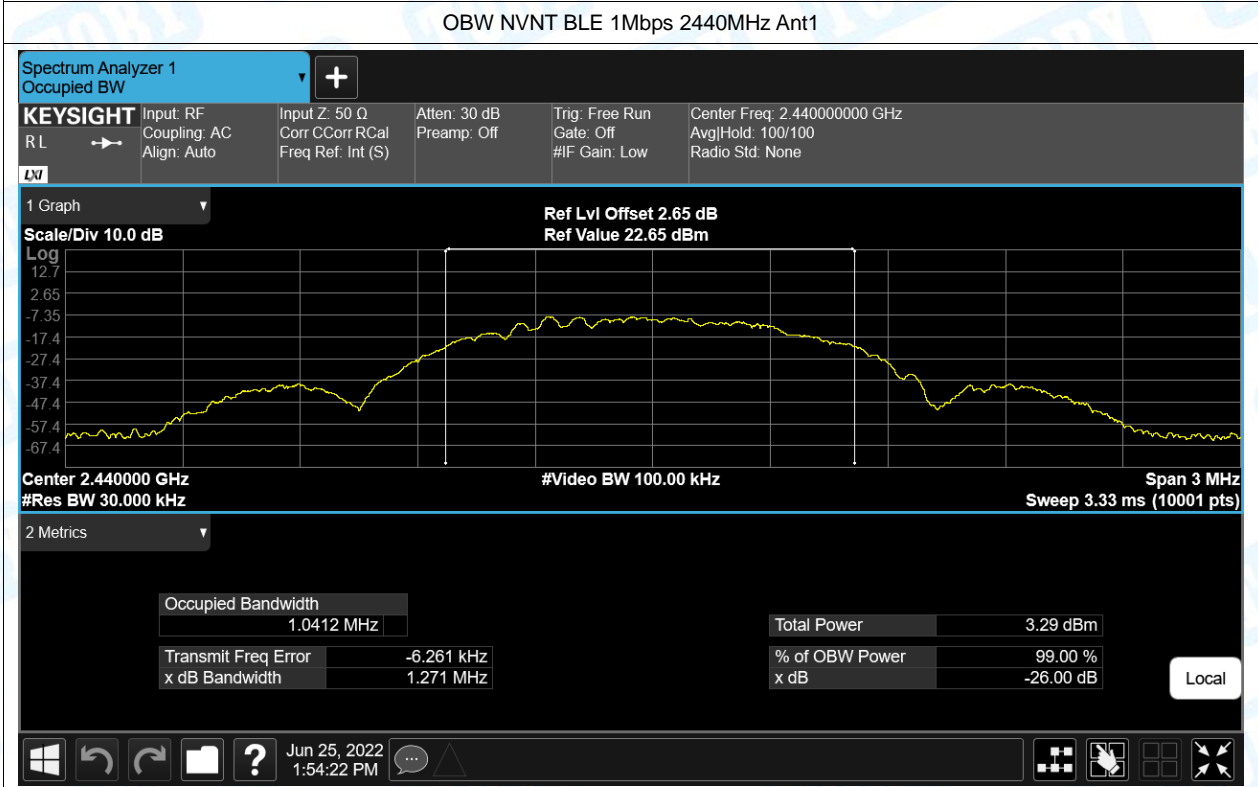
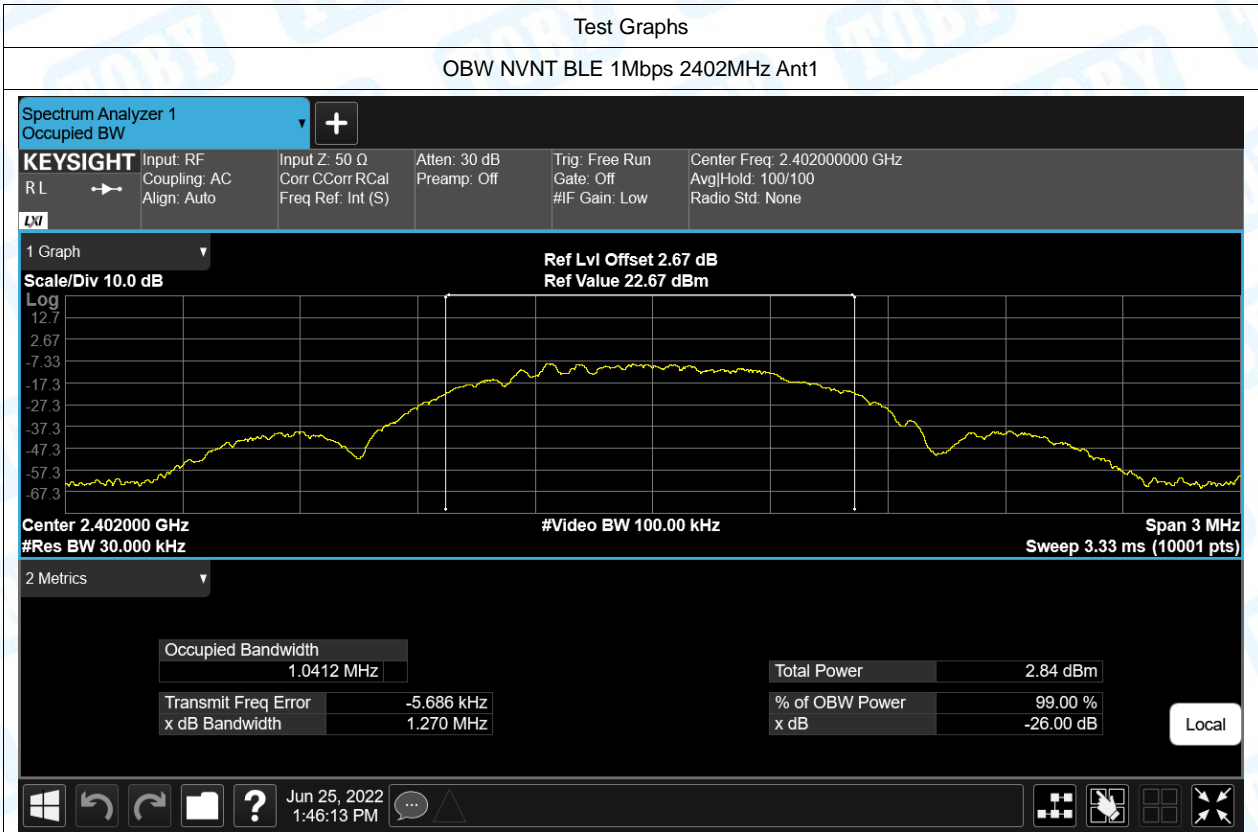
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	0.7	0.5	Pass
NVNT	BLE 1Mbps	2440	Ant1	0.7	0.5	Pass
NVNT	BLE 1Mbps	2480	Ant1	0.71	0.5	Pass

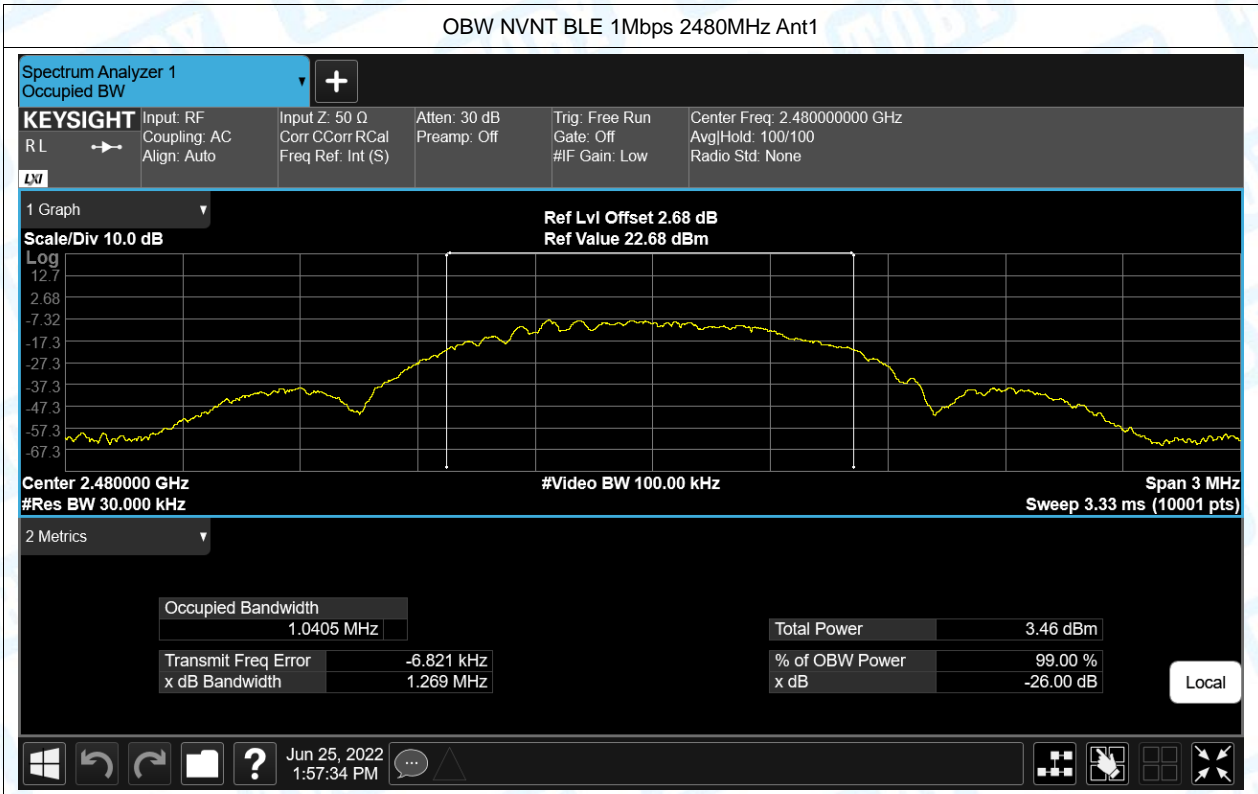




4. Occupied Channel Bandwidth

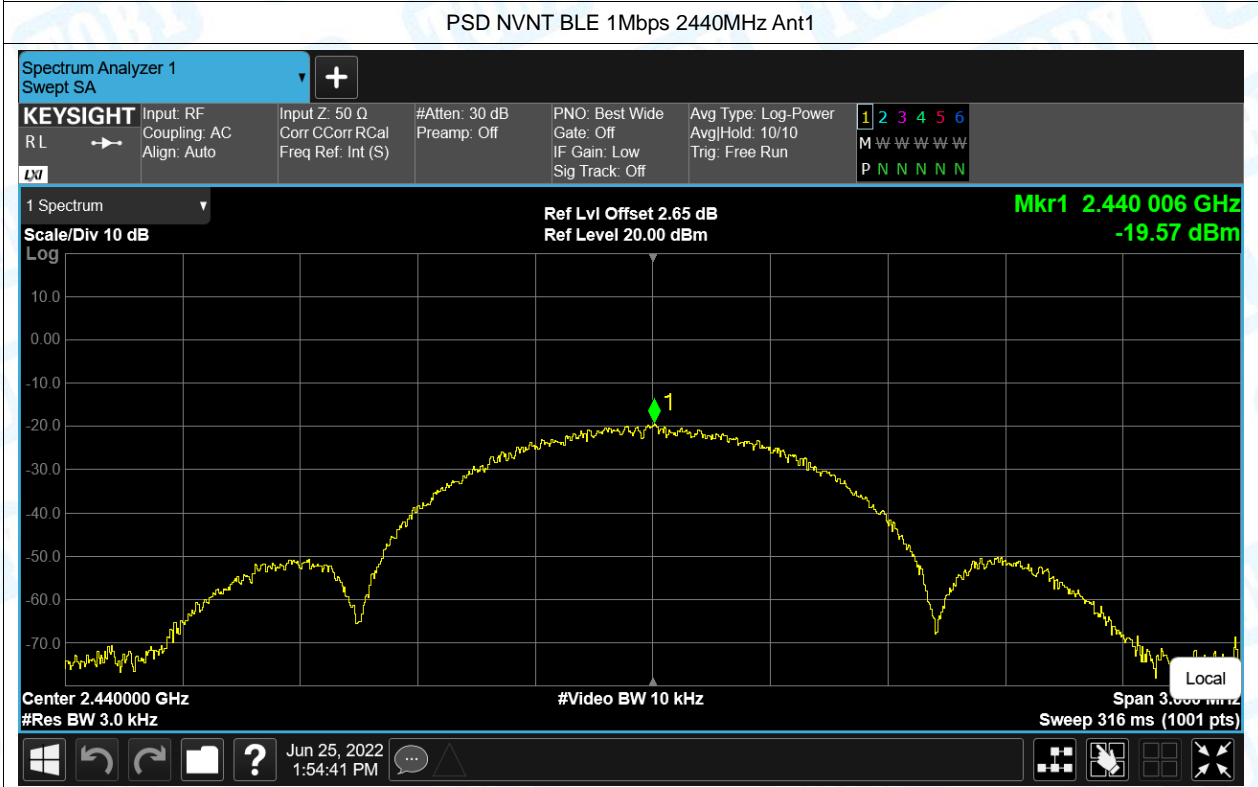
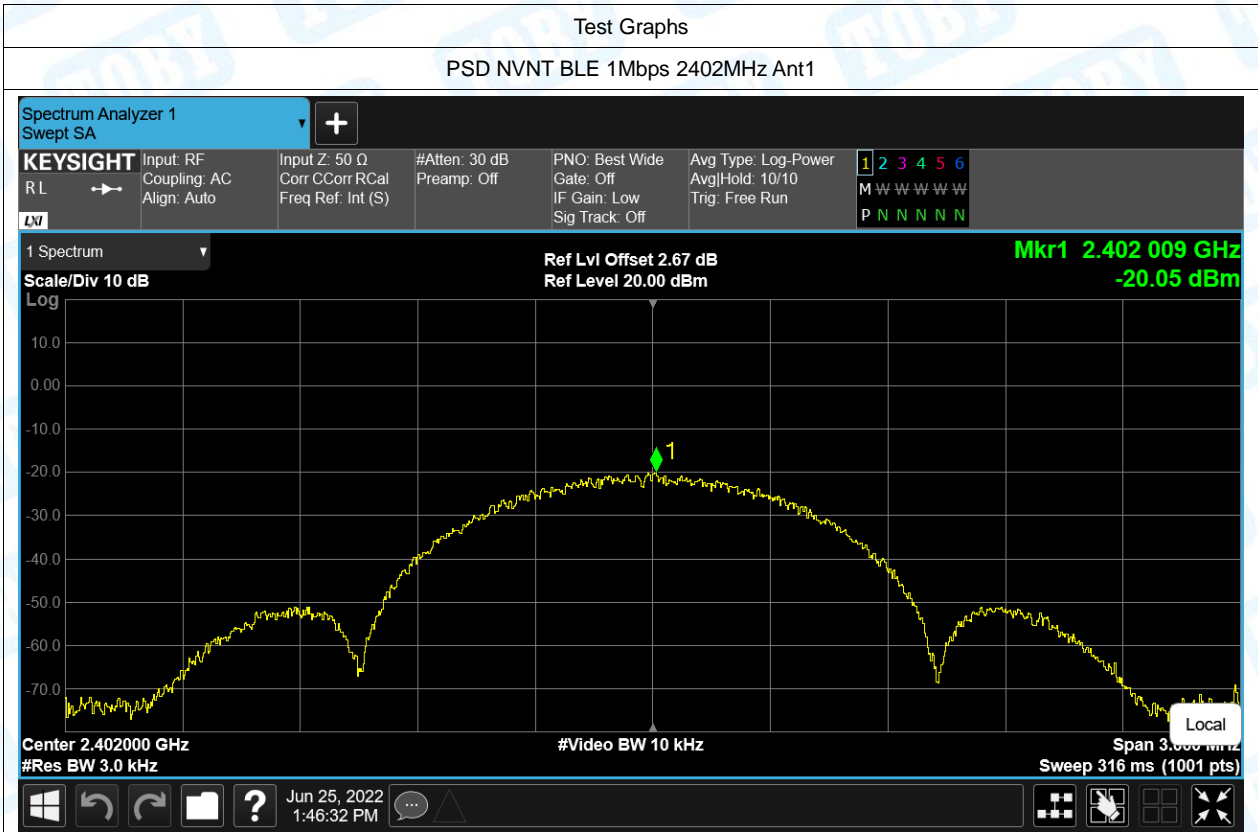
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1Mbps	2402	Ant1	1.041
NVNT	BLE 1Mbps	2440	Ant1	1.041
NVNT	BLE 1Mbps	2480	Ant1	1.04

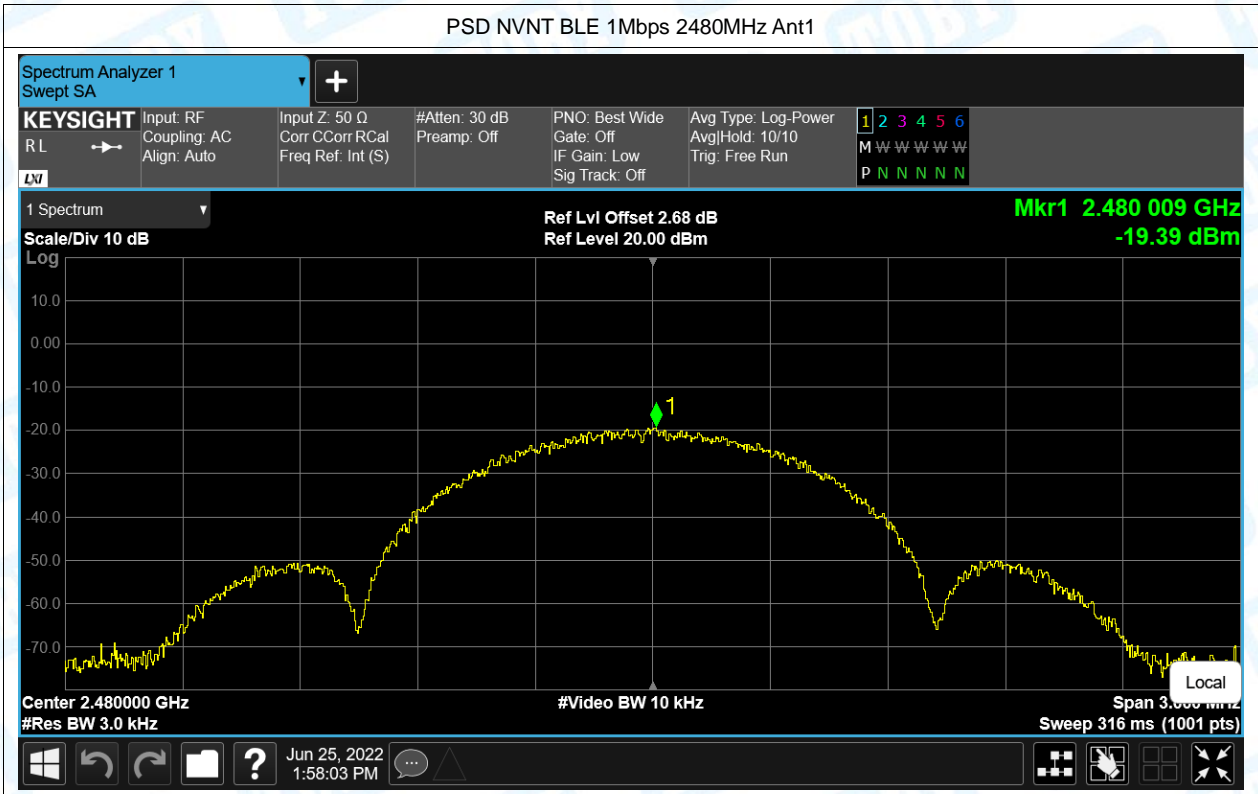




5. Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-20.052	8	Pass
NVNT	BLE 1Mbps	2440	Ant1	-19.574	8	Pass
NVNT	BLE 1Mbps	2480	Ant1	-19.388	8	Pass



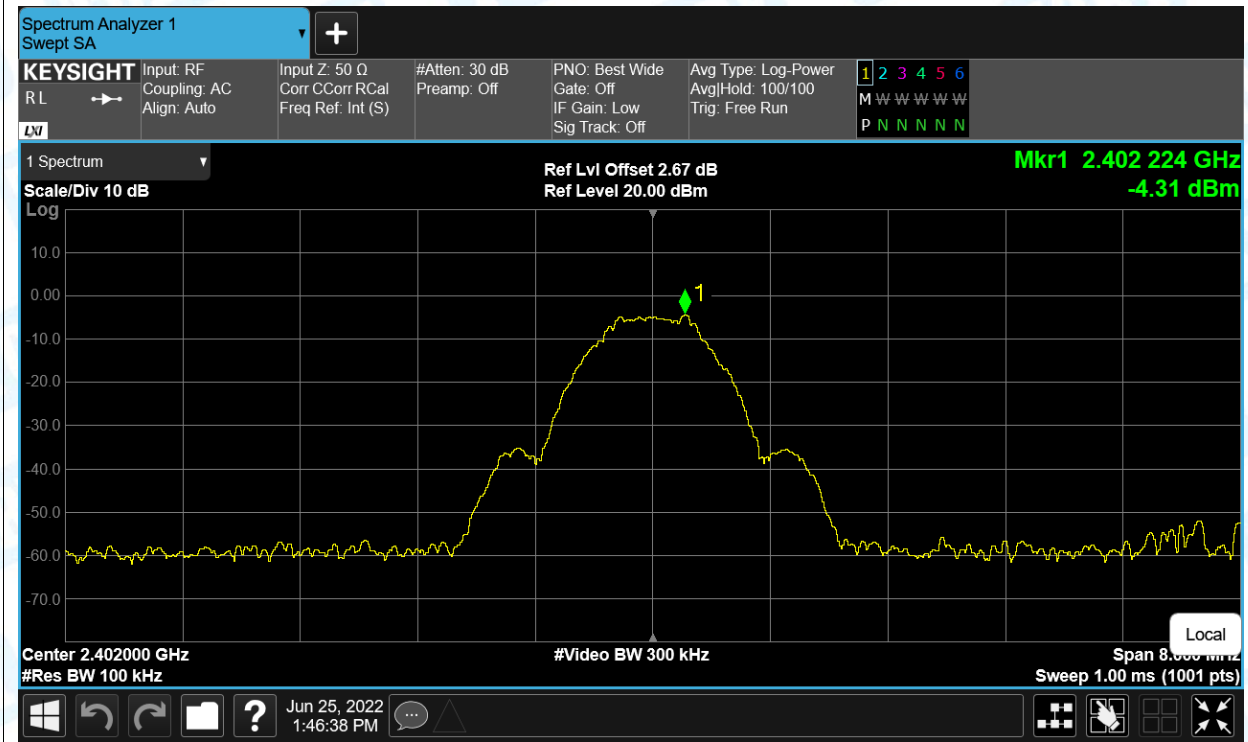


6. Band Edge

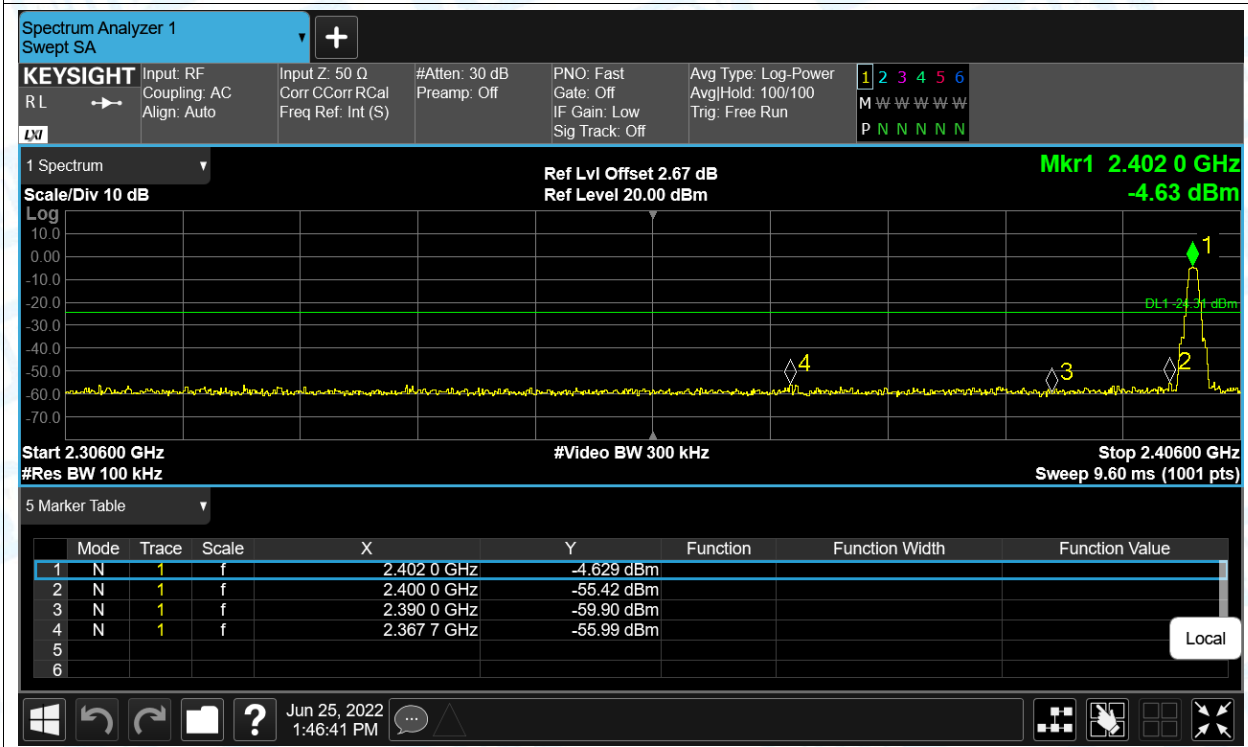
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-51.68	-20	Pass
NVNT	BLE 1Mbps	2480	Ant1	-52.67	-20	Pass

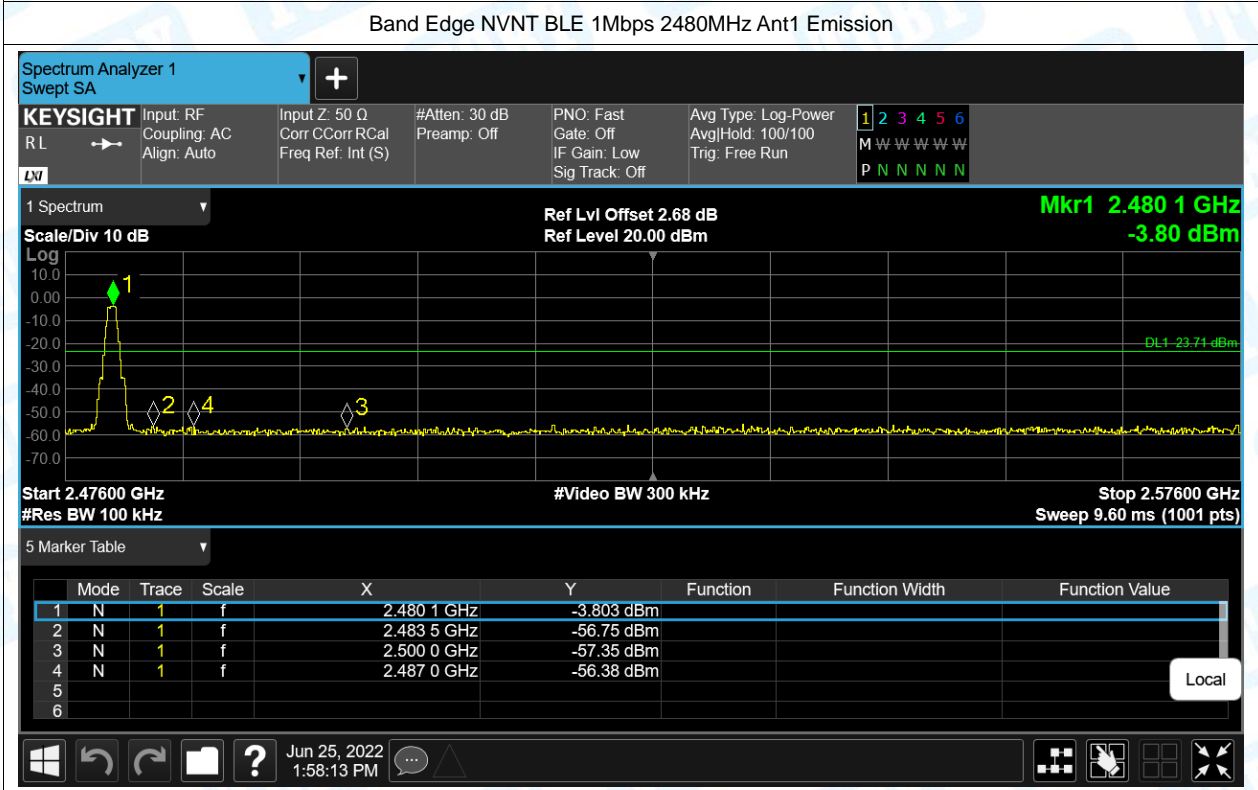
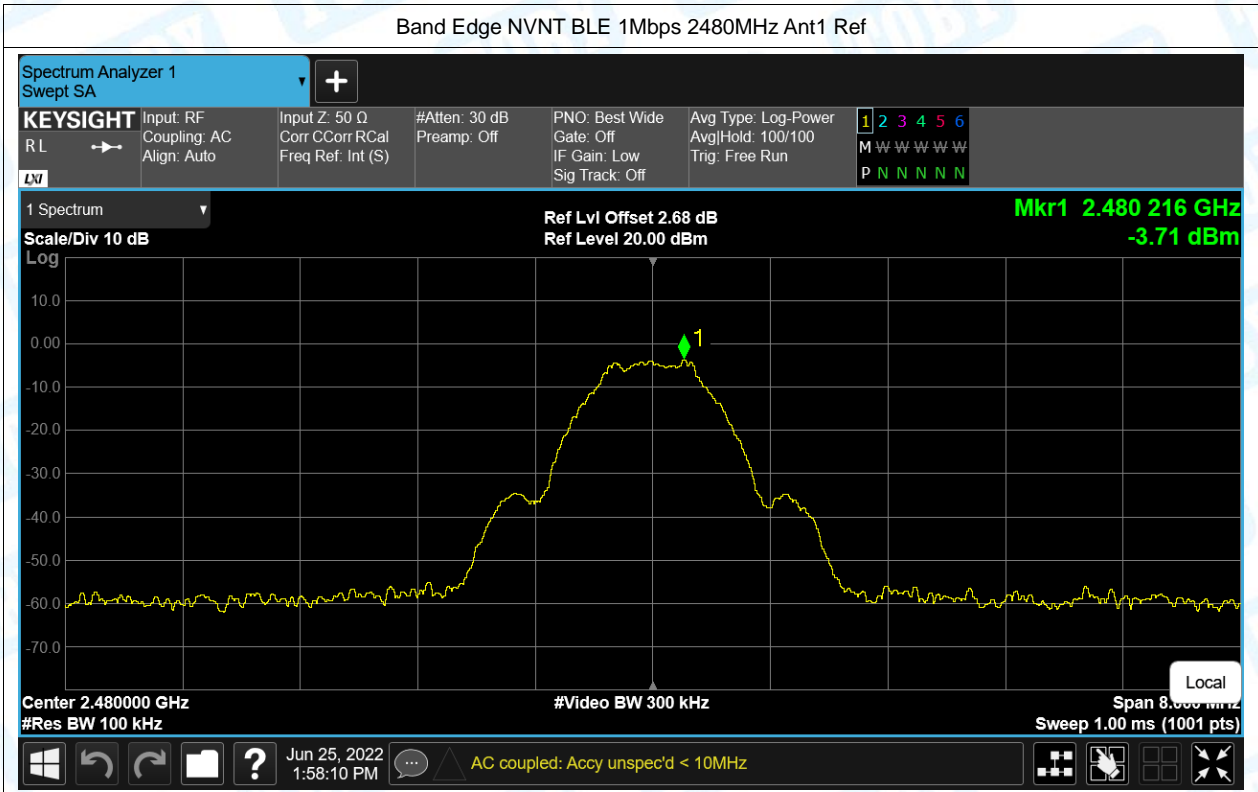
Test Graphs

Band Edge NVNT BLE 1Mbps 2402MHz Ant1 Ref



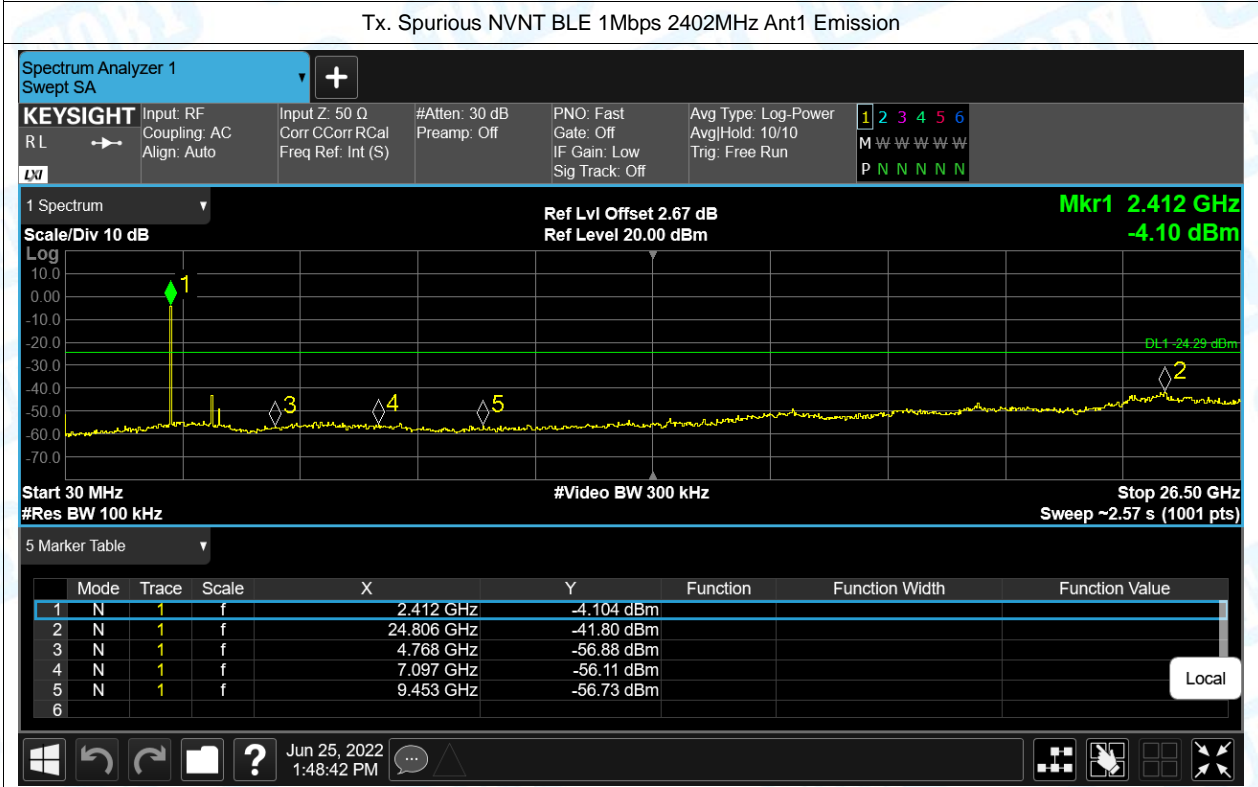
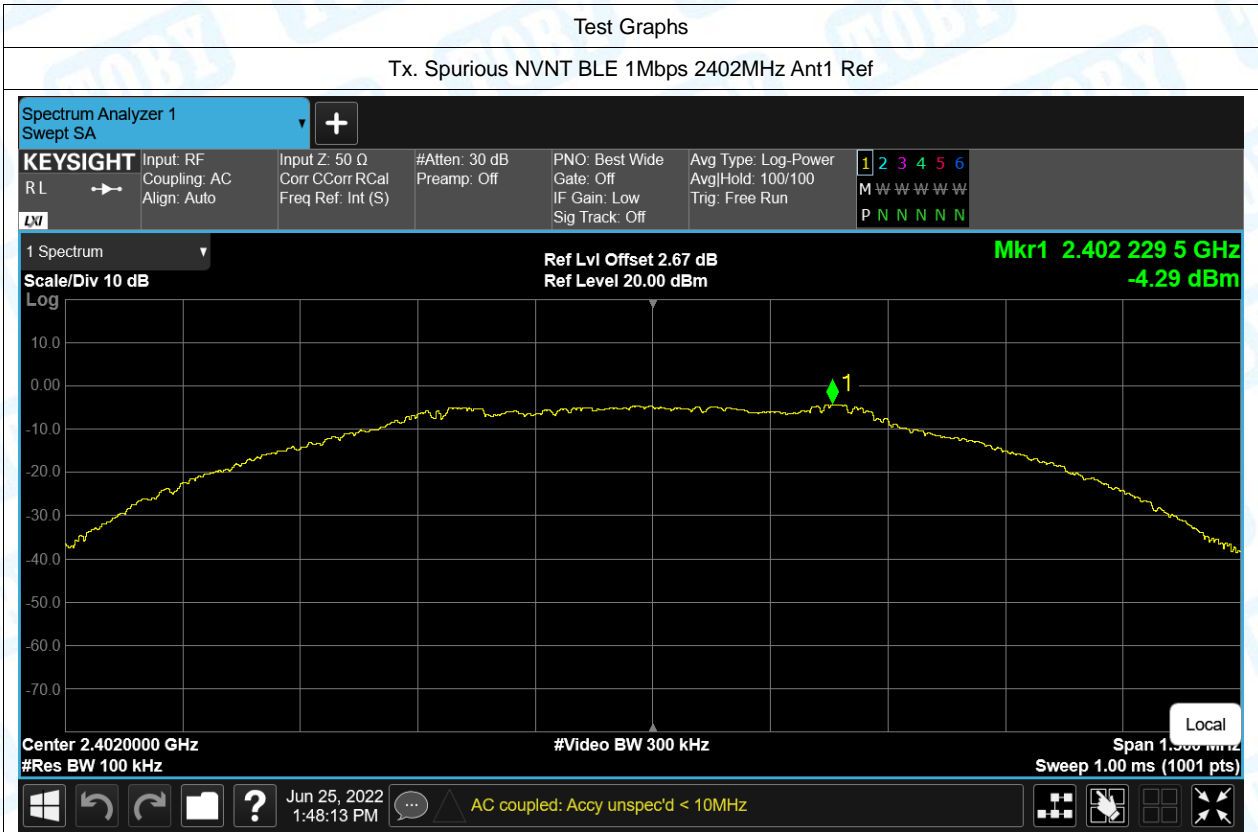
Band Edge NVNT BLE 1Mbps 2402MHz Ant1 Emission

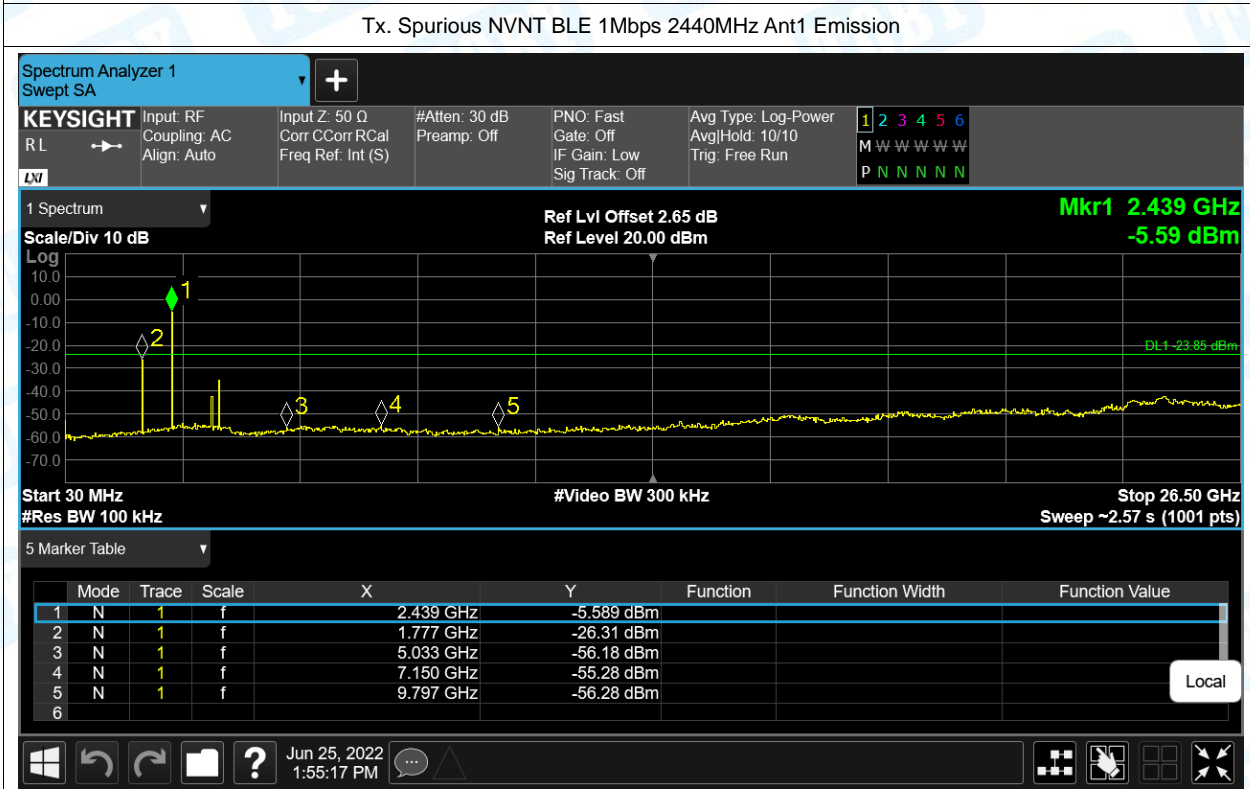
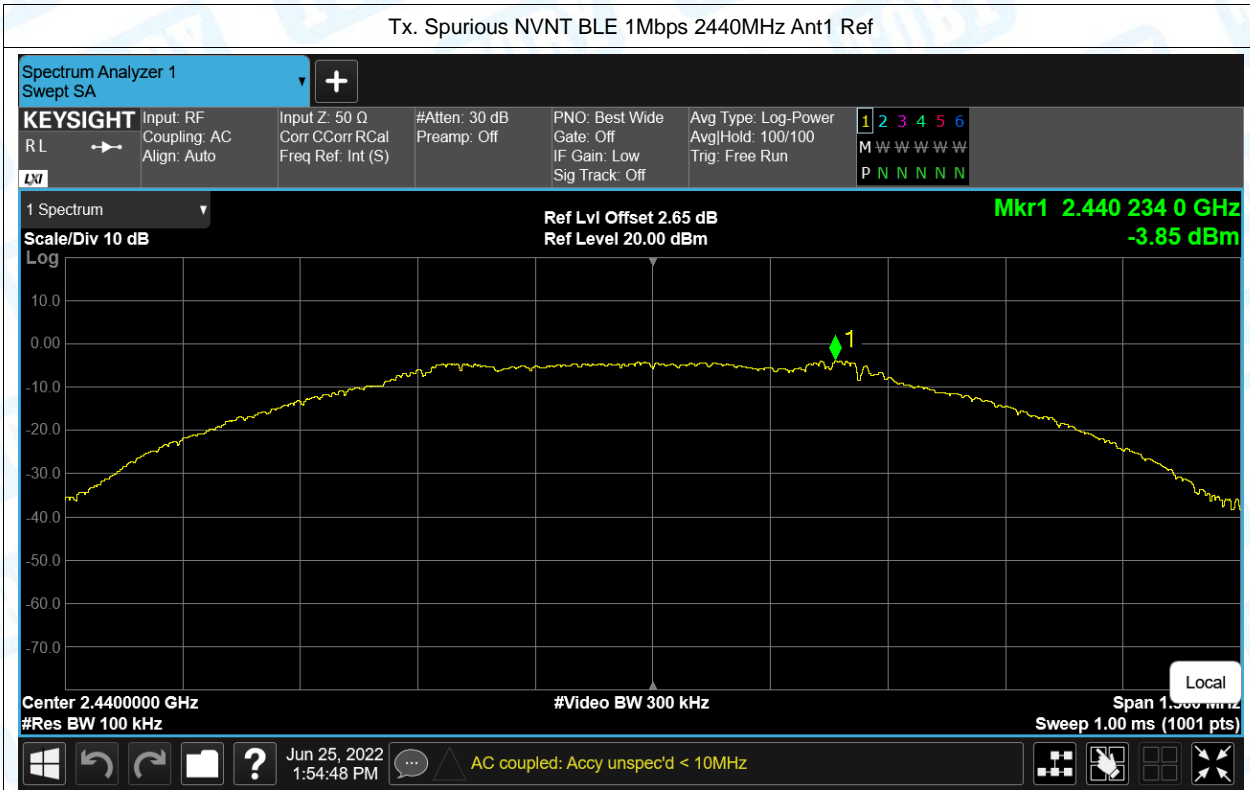


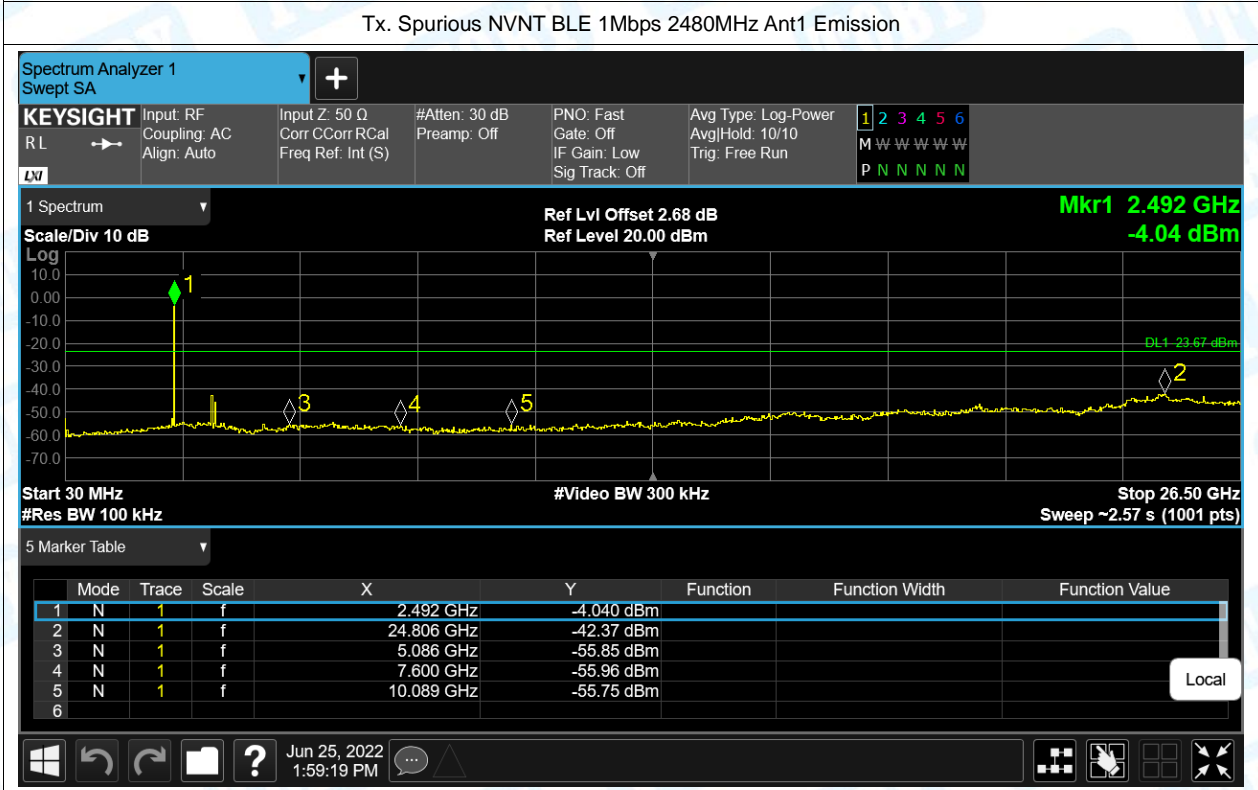
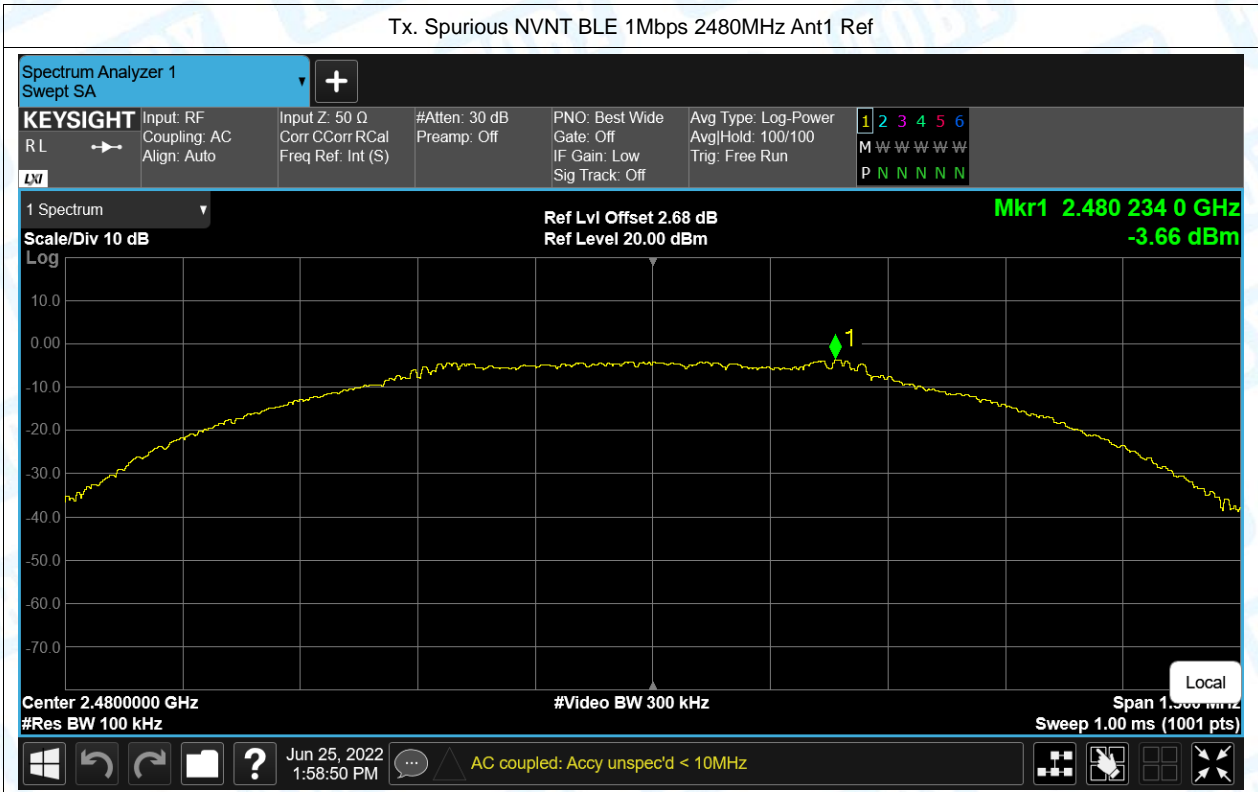


7. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-37.51	-20	Pass
NVNT	BLE 1Mbps	2440	Ant1	-22.46	-20	Pass
NVNT	BLE 1Mbps	2480	Ant1	-38.71	-20	Pass





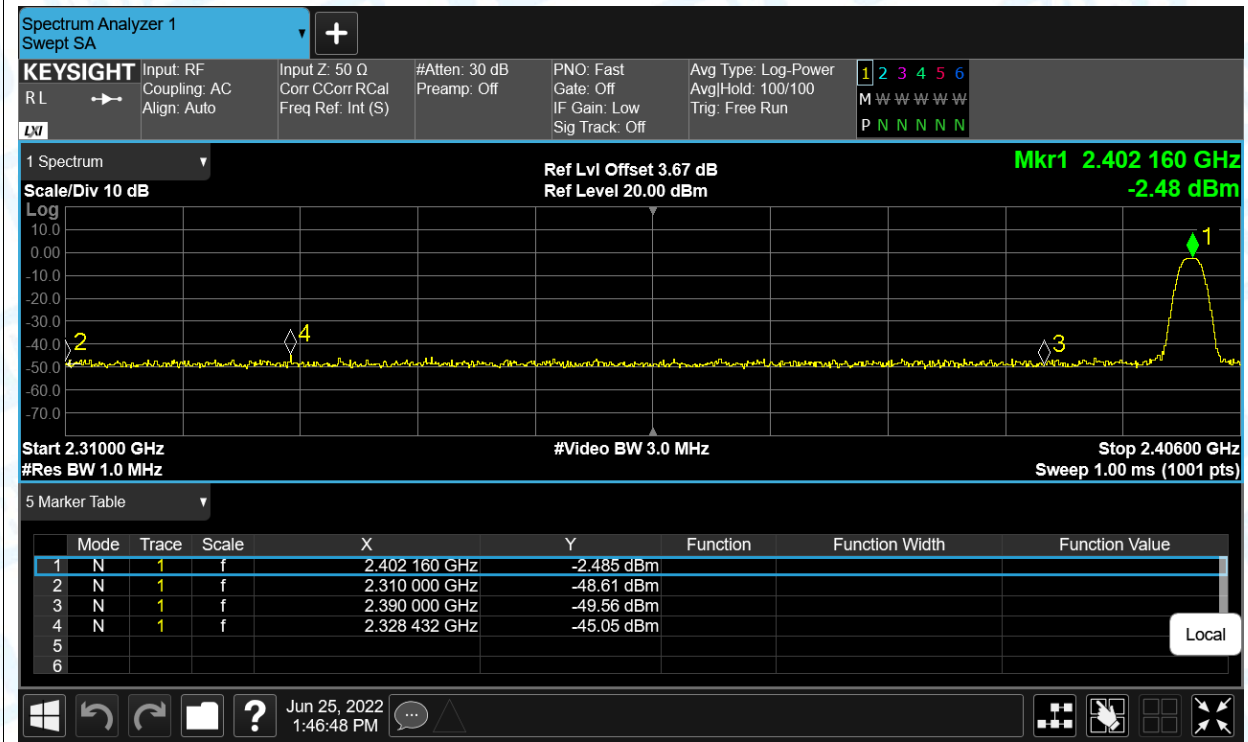


8. Restrict Band

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	-48.61	2	48.65	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2310	-58.65	2	38.61	Average	54	Pass
NVNT	BLE 1Mbps	2402	Ant1	2328.432	-45.05	2	52.21	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2389.488	-58.5	2	38.76	Average	54	Pass
NVNT	BLE 1Mbps	2402	Ant1	2390	-48.66	2	48.6	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2390	-58.5	2	38.76	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.5	-48.36	2	48.9	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.5	-57.86	2	39.4	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2488.264	-44.83	2	52.43	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.512	-57.86	2	39.4	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2500	-46.8	2	50.46	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2500	-58.23	2	39.03	Average	54	Pass

Test Graphs

Restrict Band NVNT BLE 1Mbps 2402MHz Ant1 Peak



Restrict Band NVNT BLE 1Mbps 2402MHz Ant1 Average

