

RF Test Data for Bluetooth LE

(Conducted Measurements)

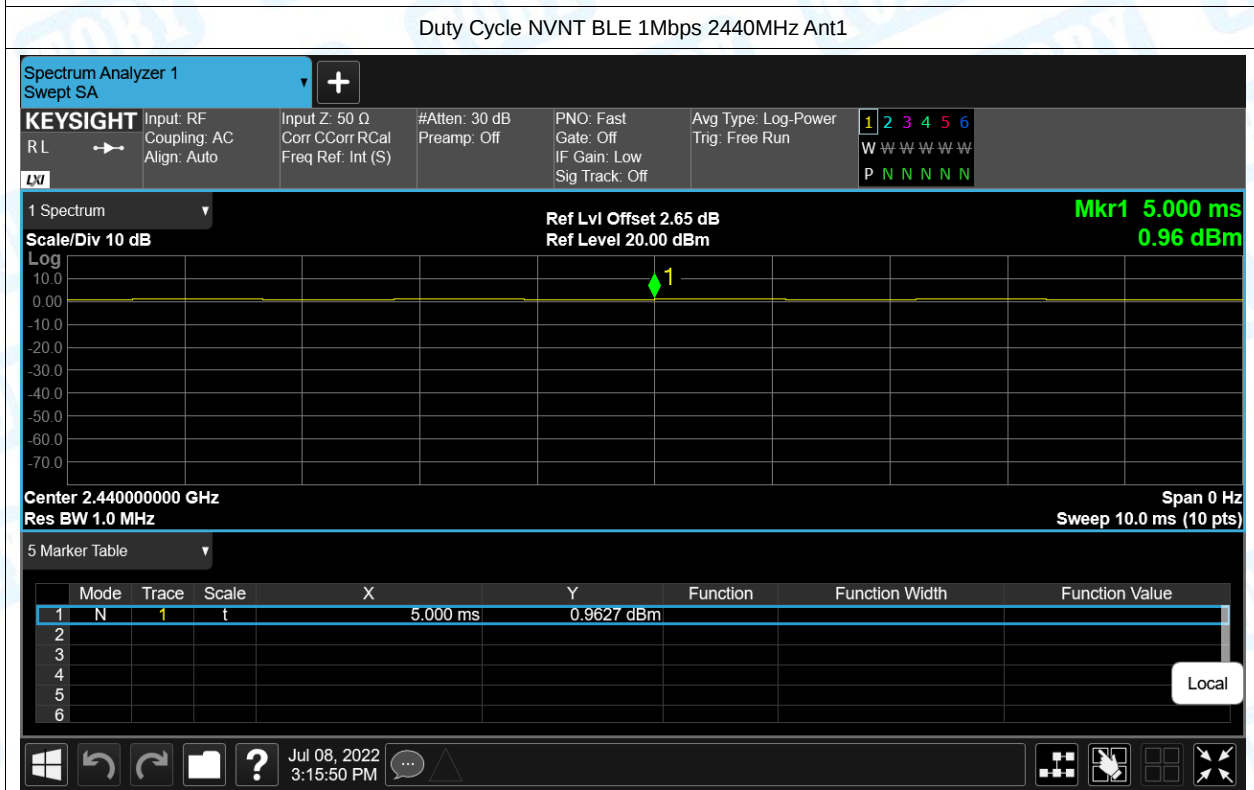
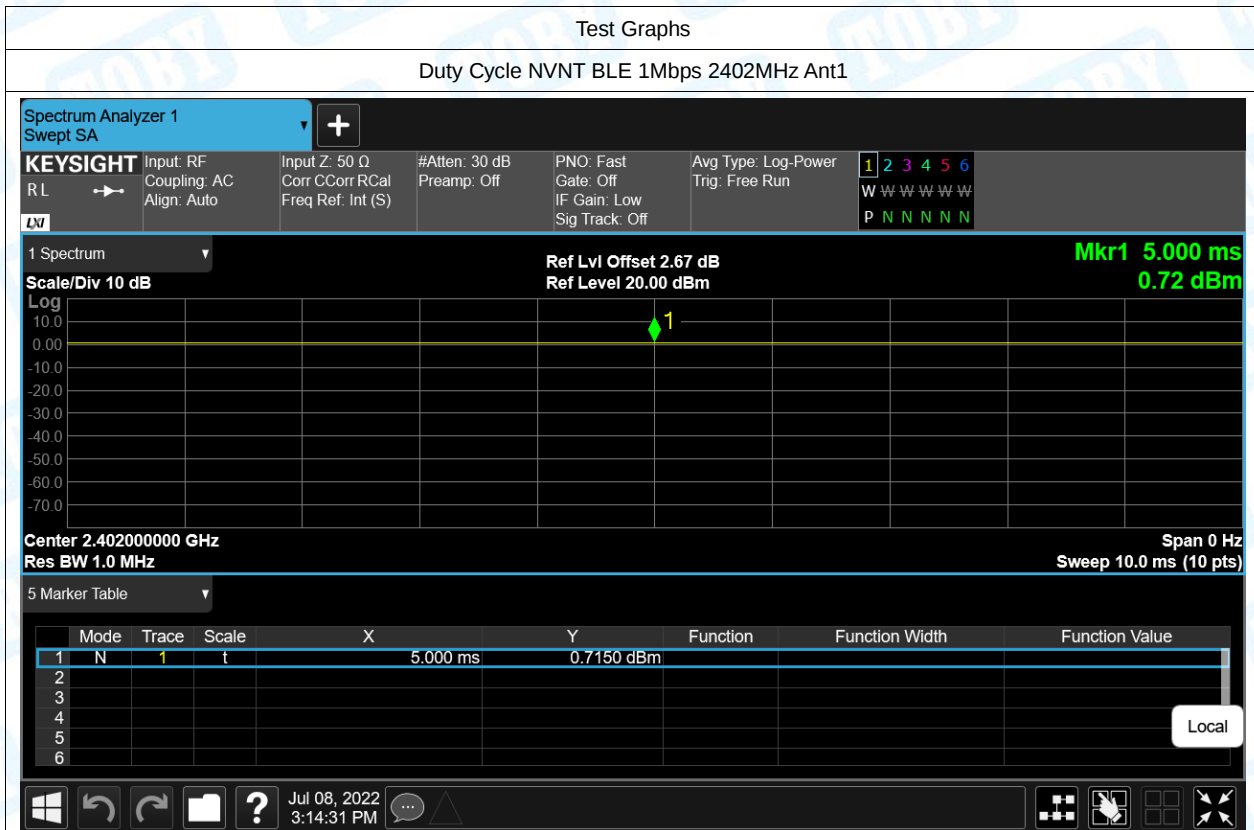
General Description of EUT	
Product Name:	Presto G2
Test Model:	Presto G2
Sample ID:	202206-0362-01-02
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 7.4V
Test Engineer:	Huangjianping
Note: For a more detailed features description, please refer to the report TBR-C-202206-0362-81	

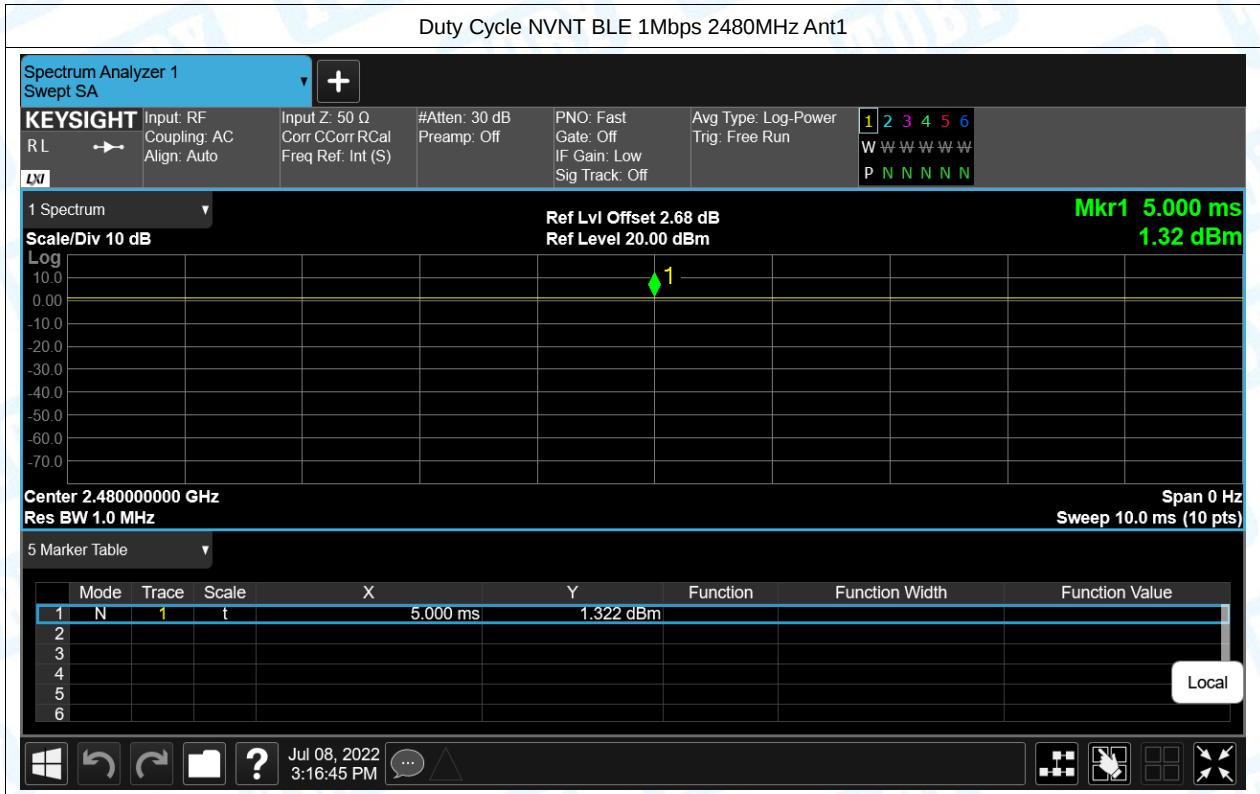
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1. Duty Cycle

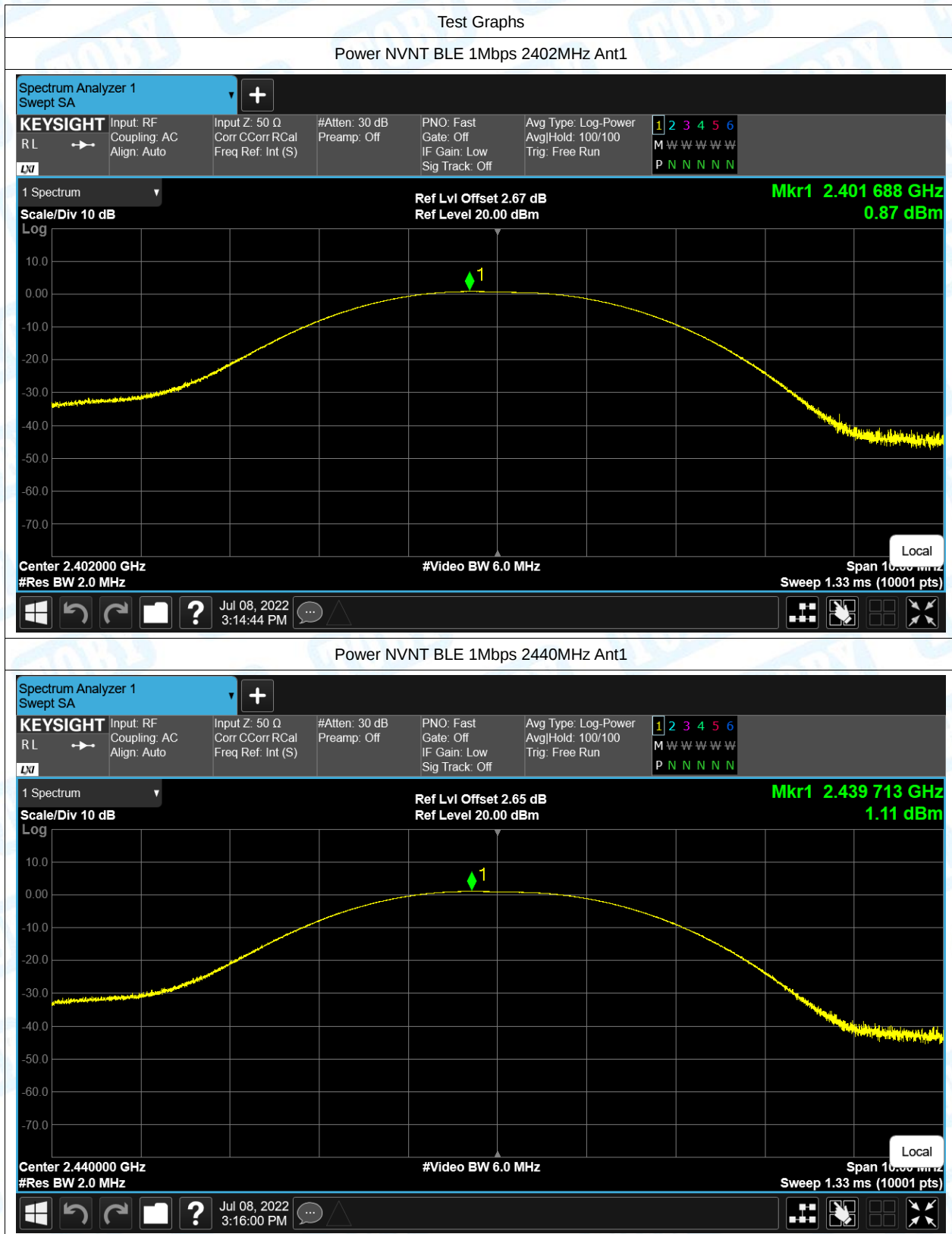
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1Mbps	2402	Ant1	100	0	0
NVNT	BLE 1Mbps	2440	Ant1	100	0	0
NVNT	BLE 1Mbps	2480	Ant1	100	0	0

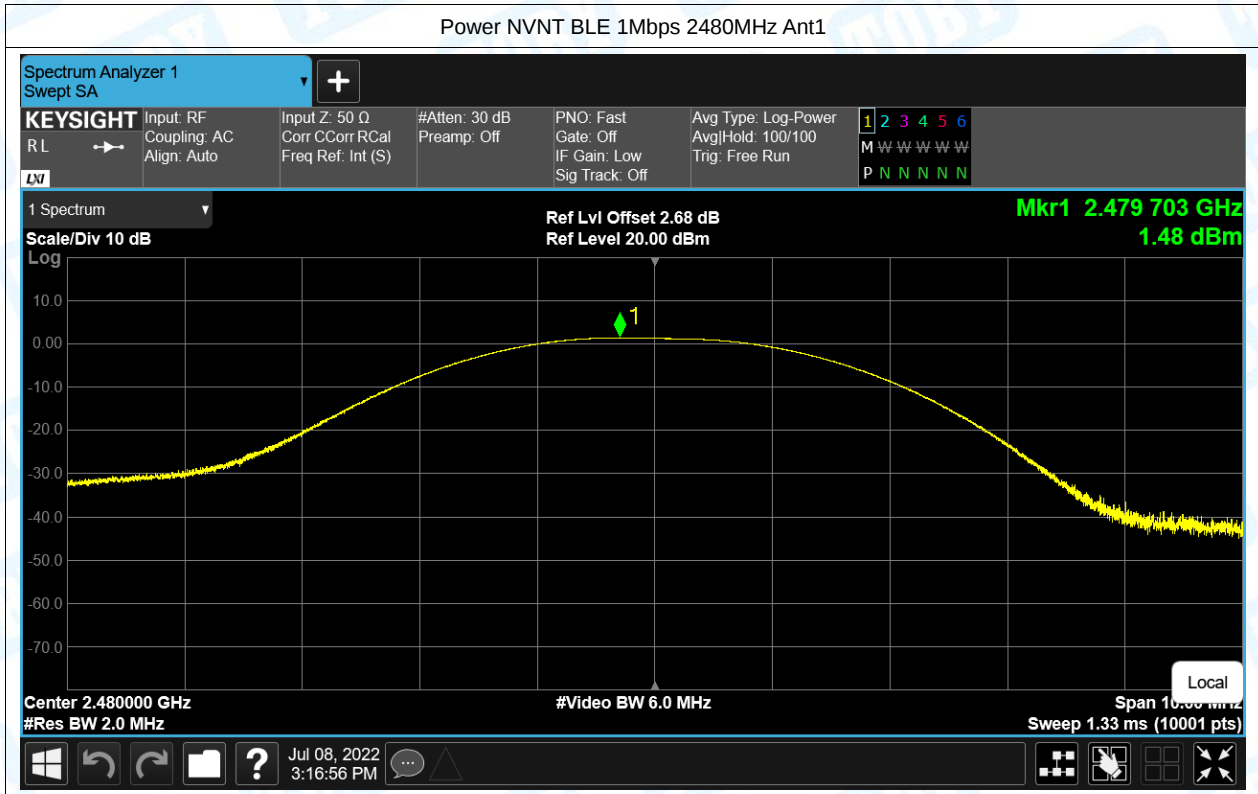




2. Maximum Conducted Output Power

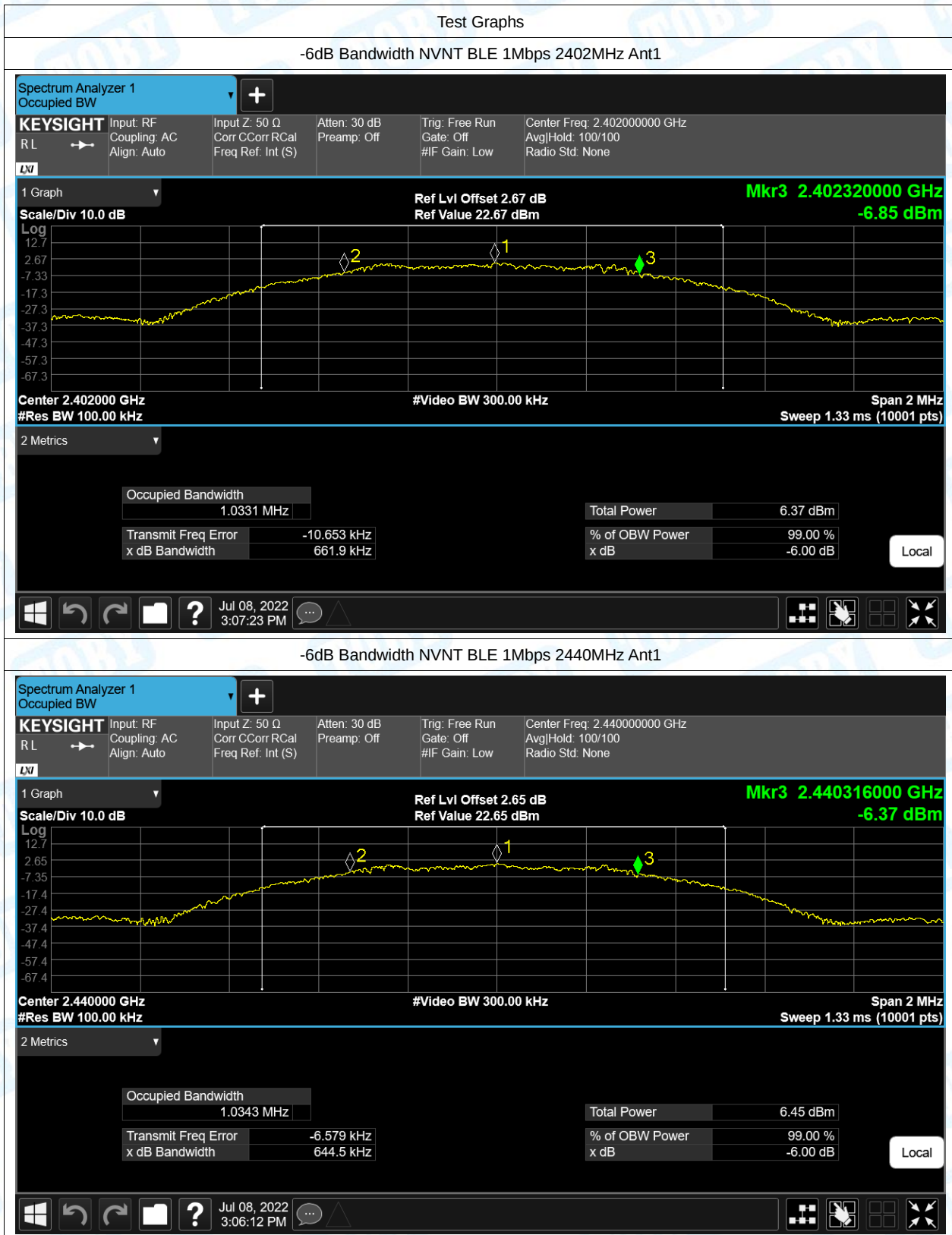
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	0.866	30	Pass
NVNT	BLE 1Mbps	2440	Ant1	1.114	30	Pass
NVNT	BLE 1Mbps	2480	Ant1	1.477	30	Pass





3. -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	0.66	0.5	Pass
NVNT	BLE 1Mbps	2440	Ant1	0.64	0.5	Pass
NVNT	BLE 1Mbps	2480	Ant1	0.65	0.5	Pass



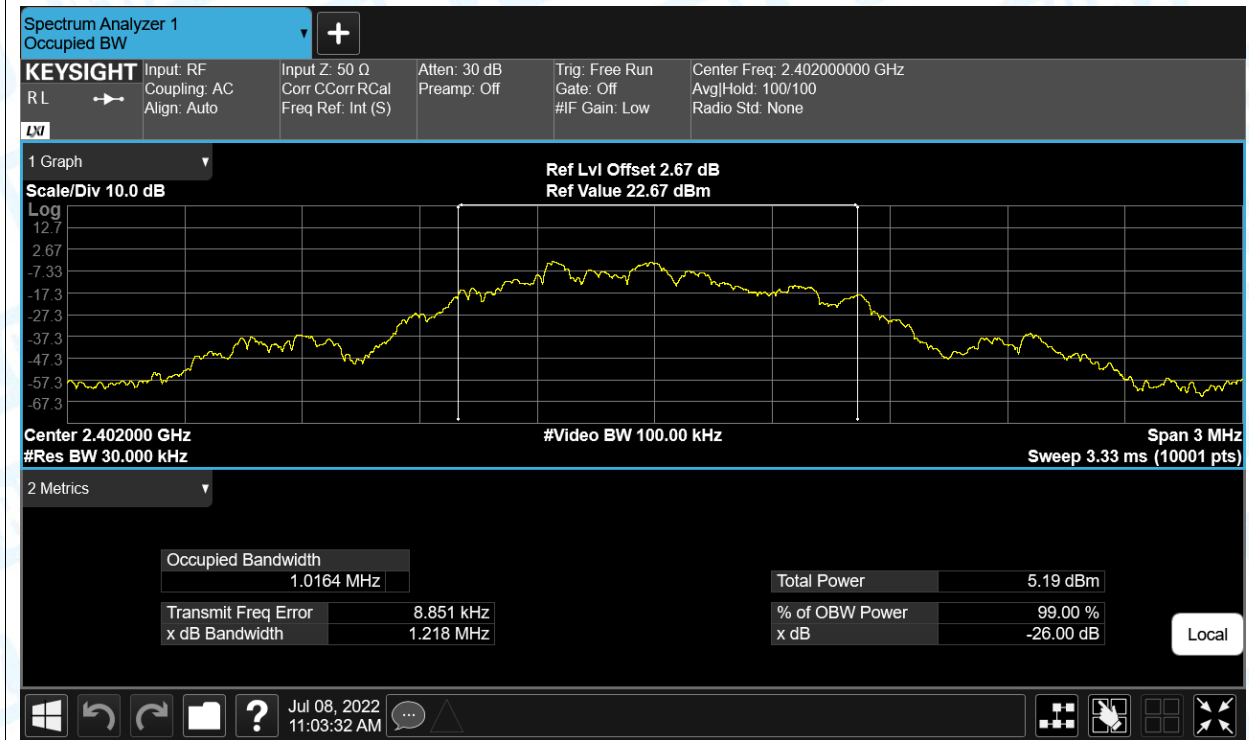


4. Occupied Channel Bandwidth

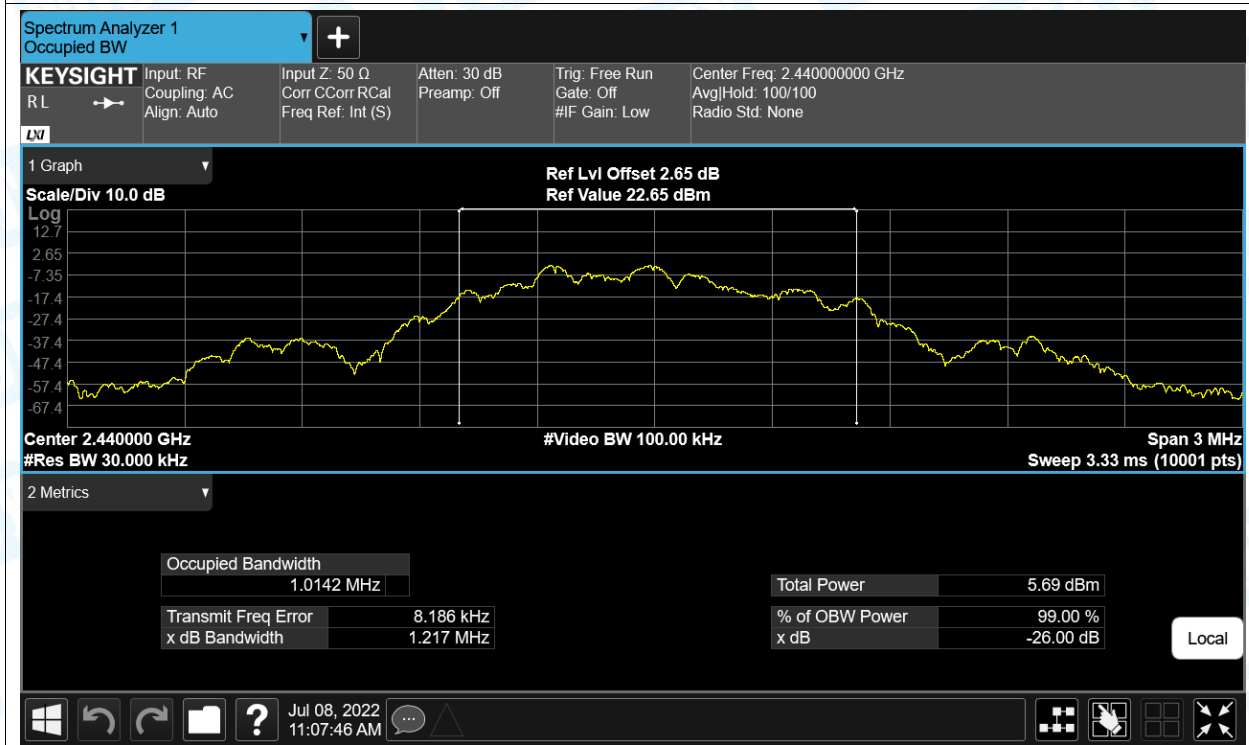
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1Mbps	2402	Ant1	1.016
NVNT	BLE 1Mbps	2440	Ant1	1.014
NVNT	BLE 1Mbps	2480	Ant1	1.021

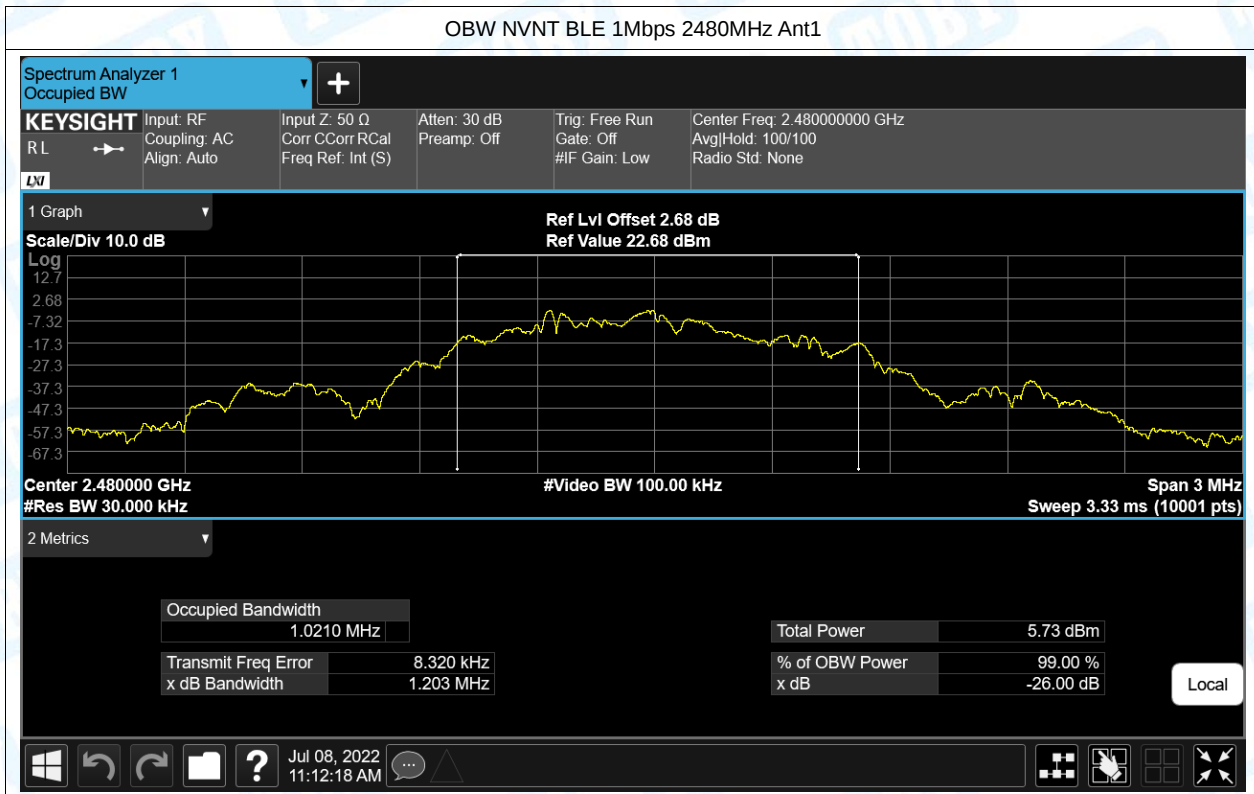
Test Graphs

OBW NVNT BLE 1Mbps 2402MHz Ant1



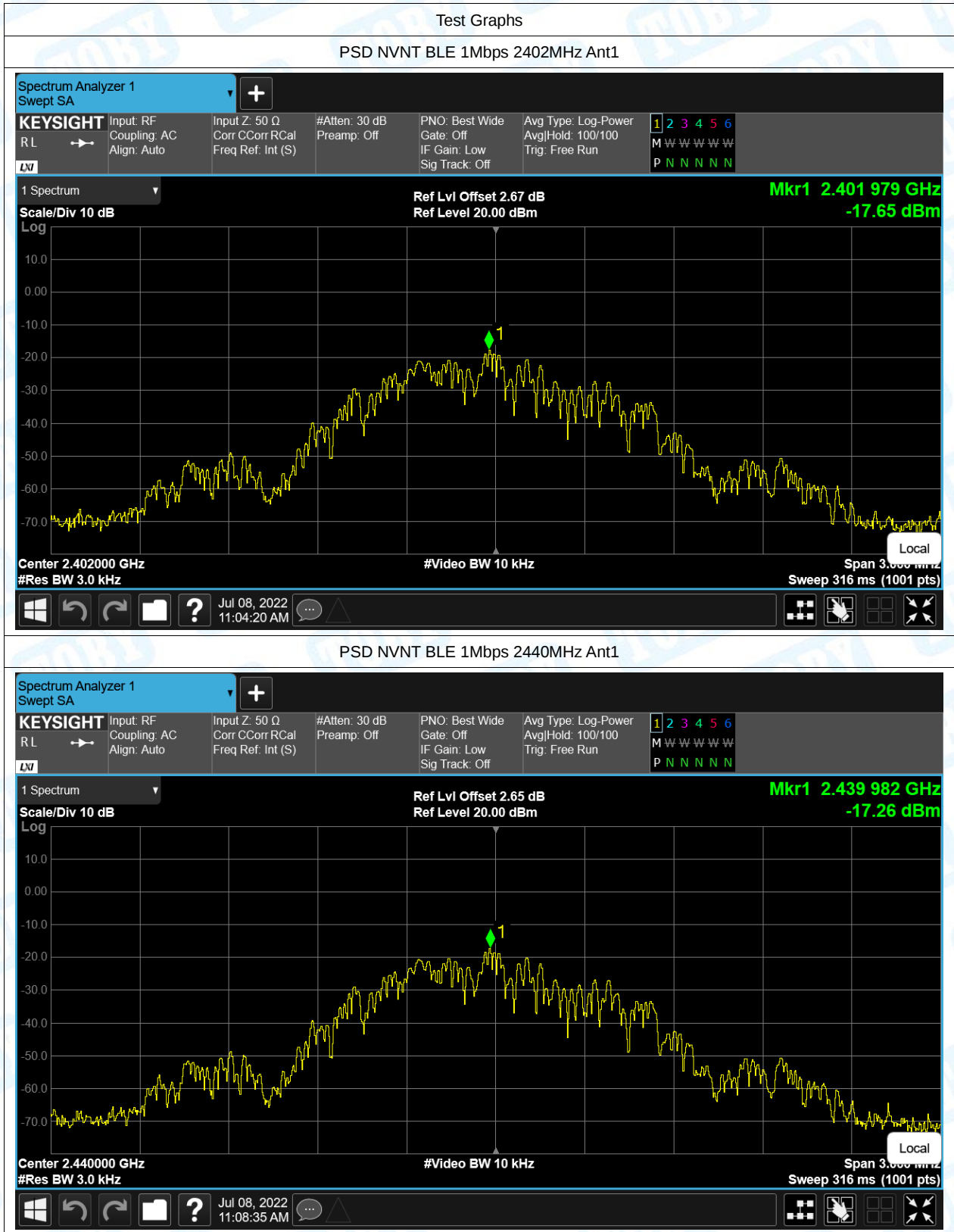
OBW NVNT BLE 1Mbps 2440MHz Ant1

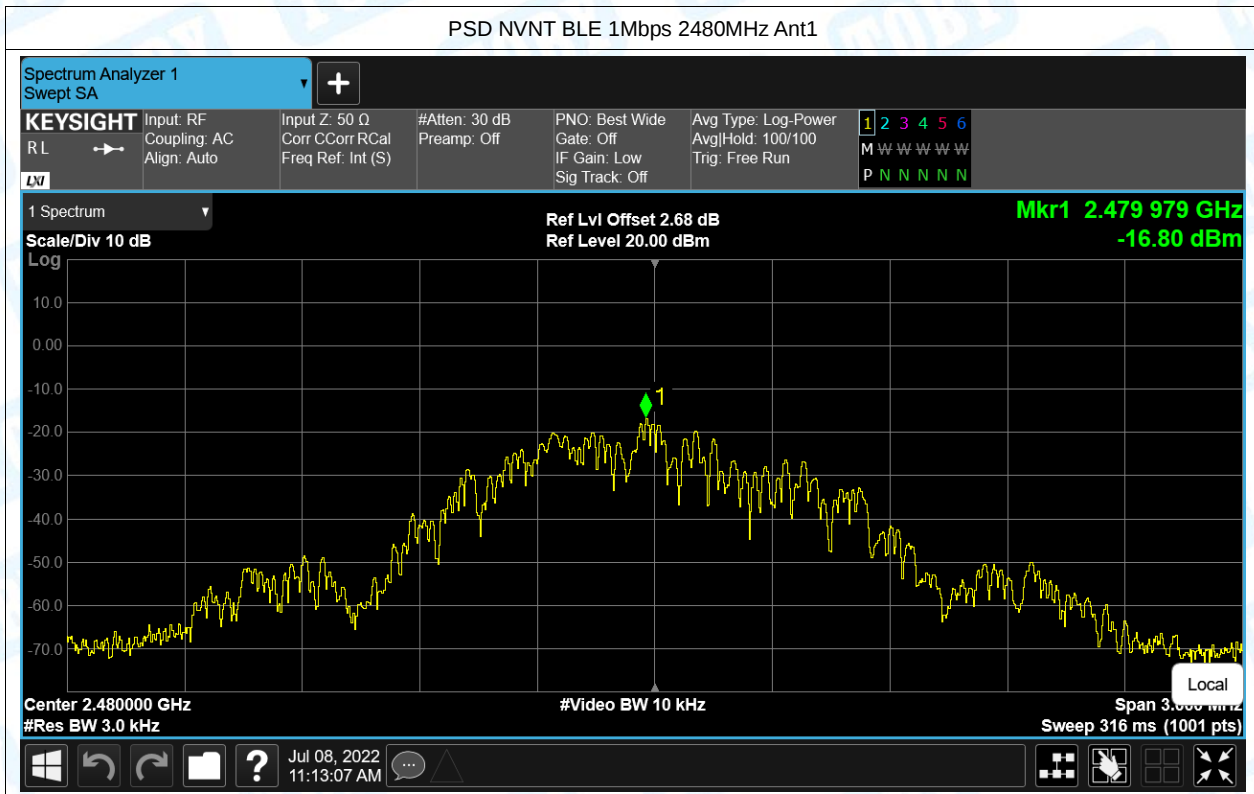




5. Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-17.649	8	Pass
NVNT	BLE 1Mbps	2440	Ant1	-17.261	8	Pass
NVNT	BLE 1Mbps	2480	Ant1	-16.795	8	Pass



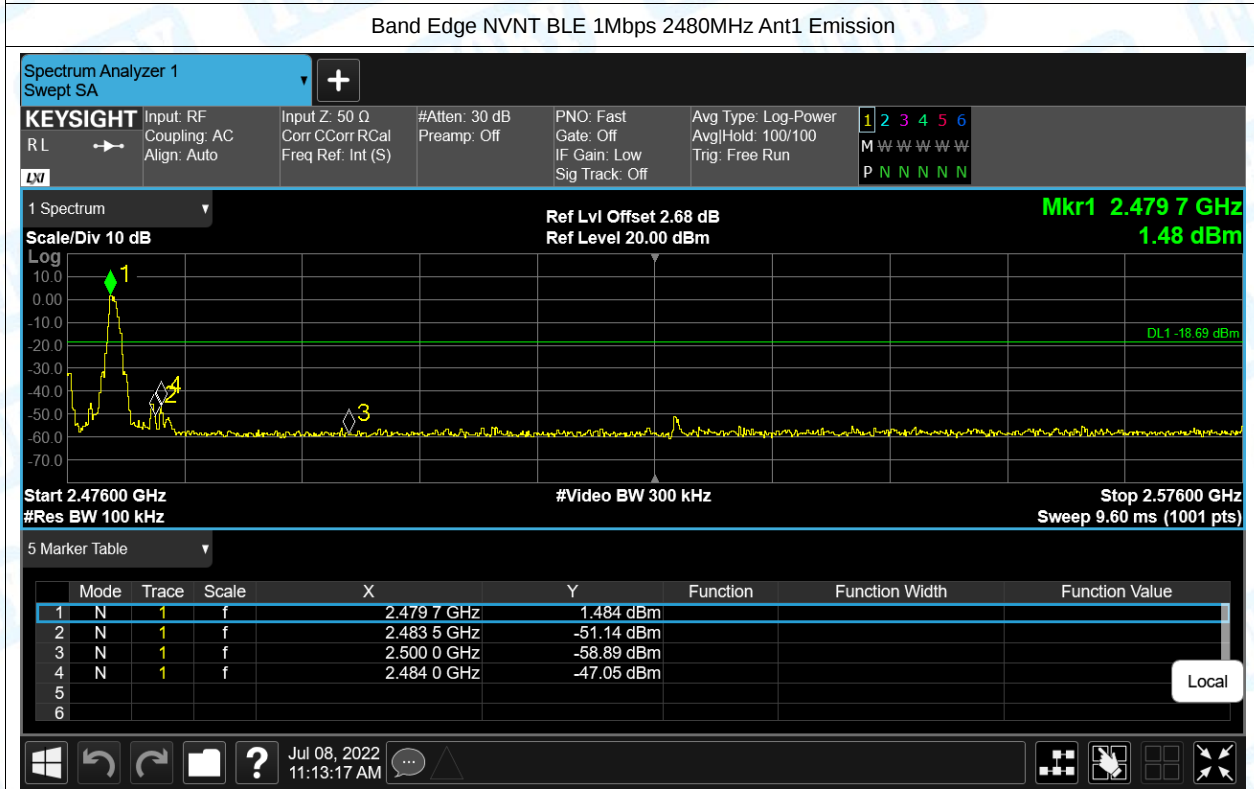
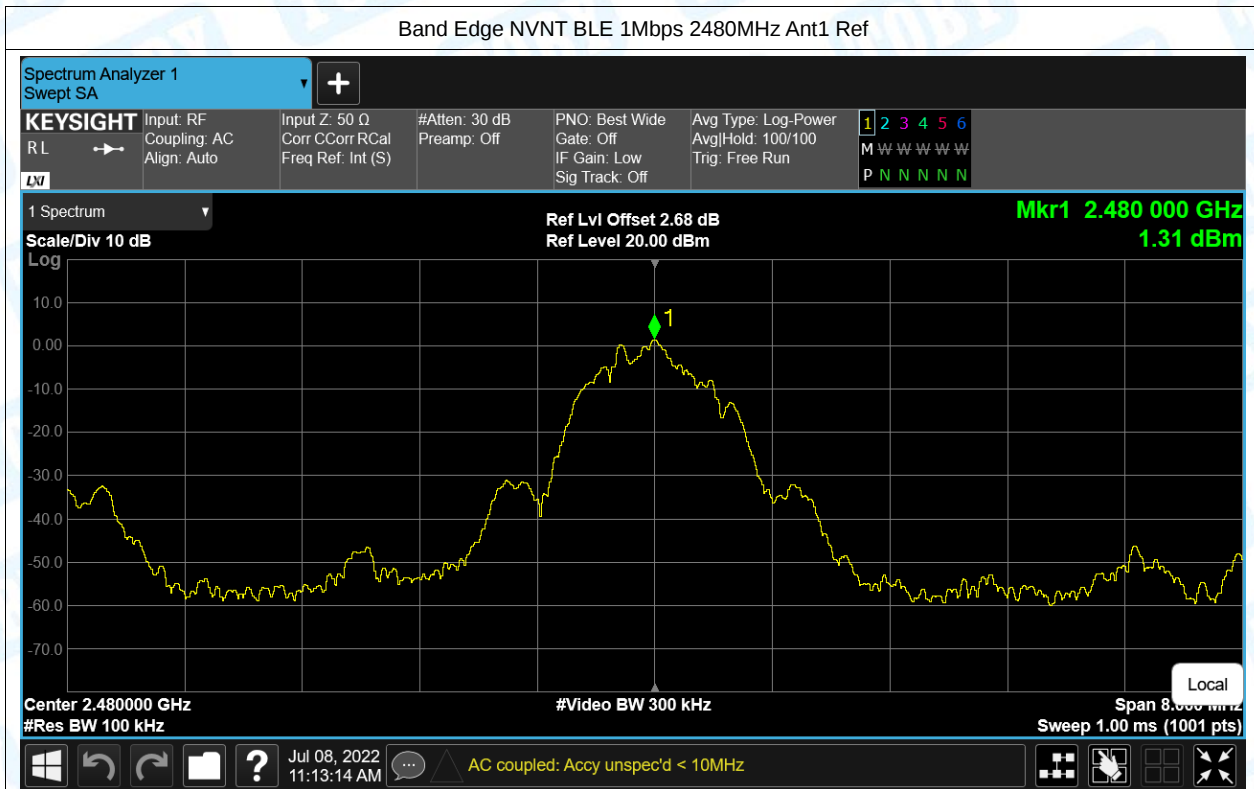


6. Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-55.03	-20	Pass
NVNT	BLE 1Mbps	2480	Ant1	-48.36	-20	Pass



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7. Conducted RF Spurious Emission

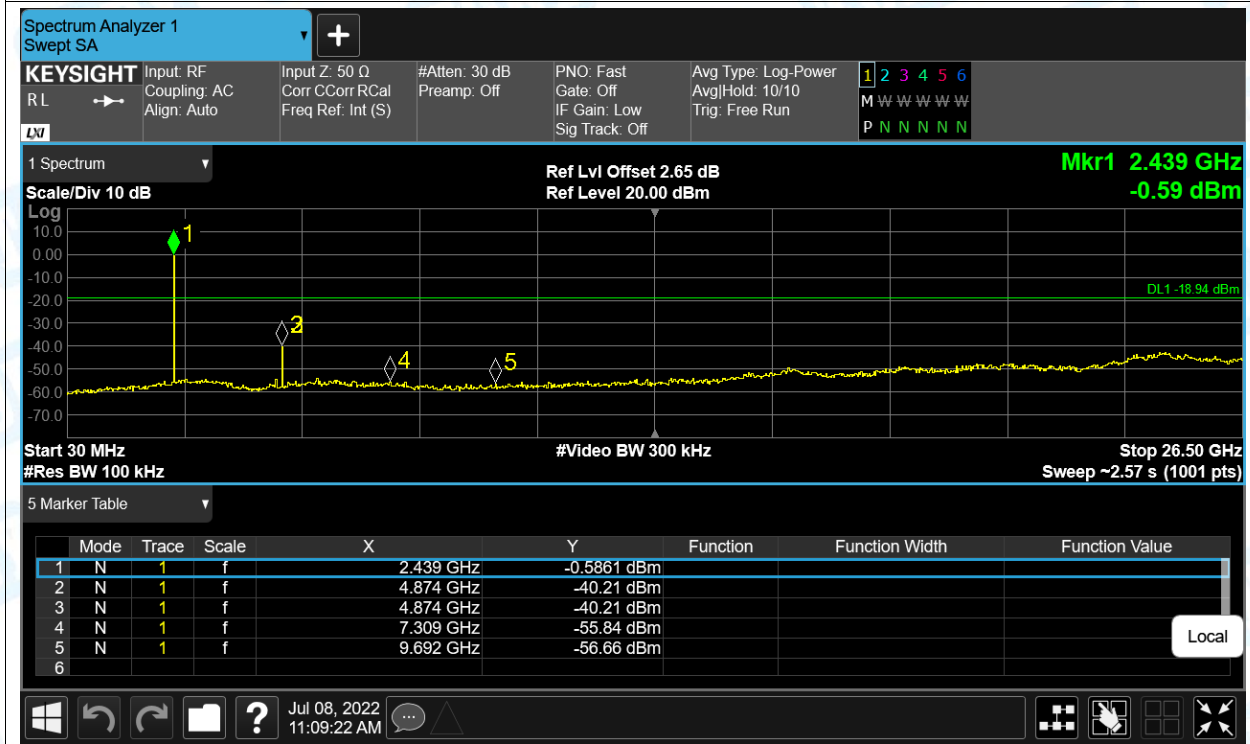
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-38.14	-20	Pass
NVNT	BLE 1Mbps	2440	Ant1	-41.27	-20	Pass
NVNT	BLE 1Mbps	2480	Ant1	-43.37	-20	Pass

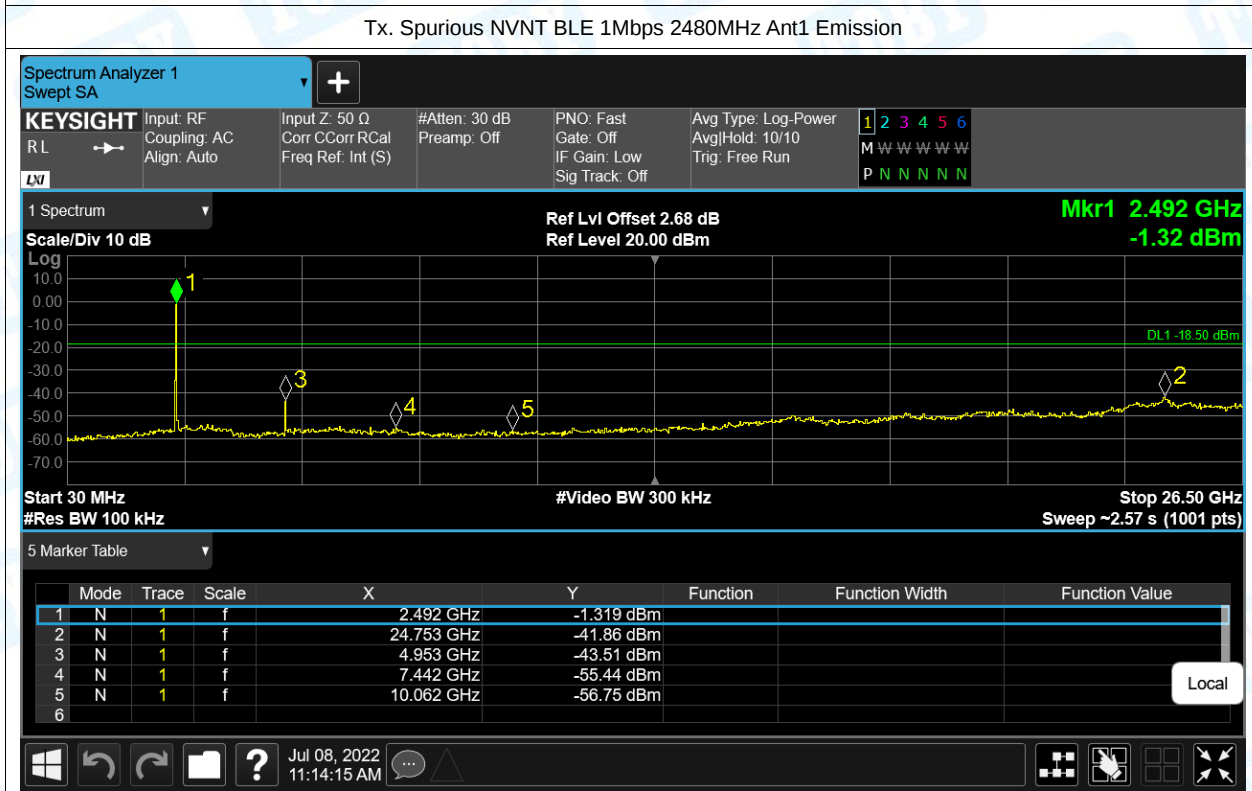
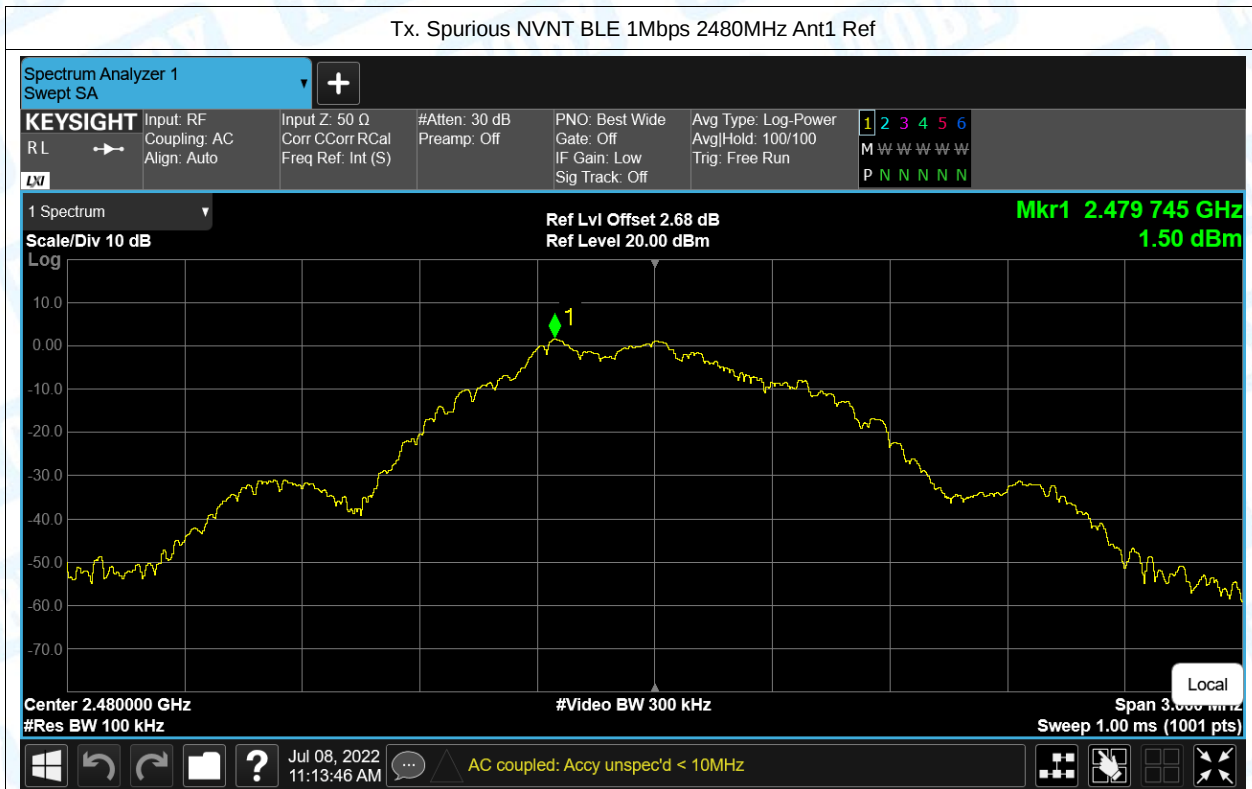


Tx. Spurious NVNT BLE 1Mbps 2440MHz Ant1 Ref



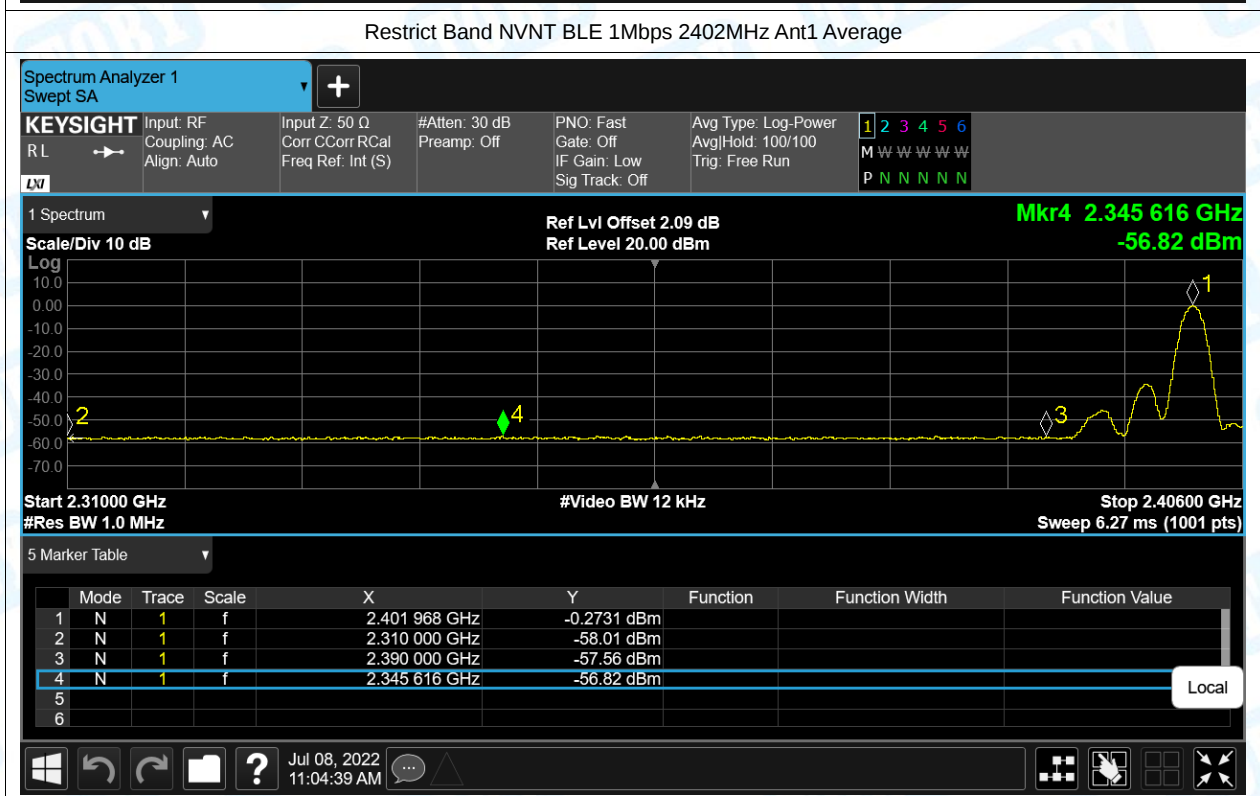
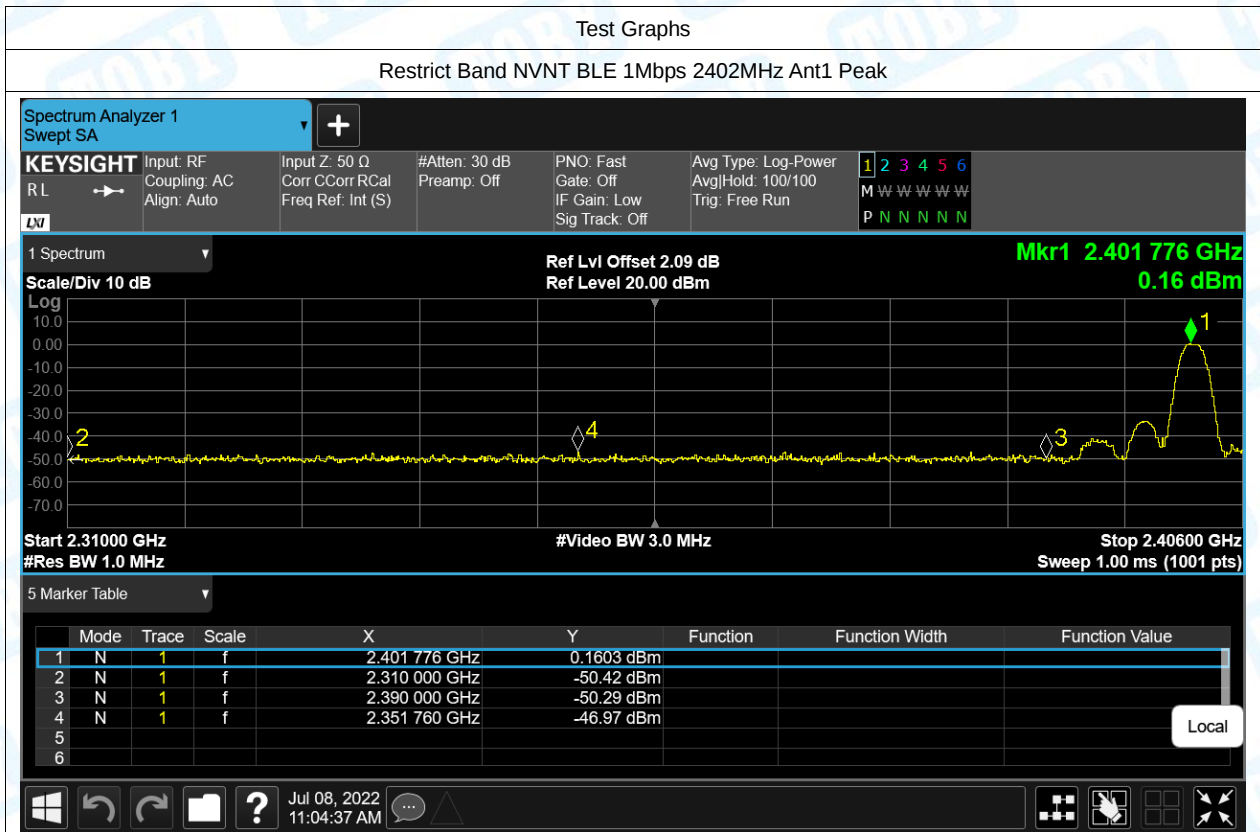
Tx. Spurious NVNT BLE 1Mbps 2440MHz Ant1 Emission



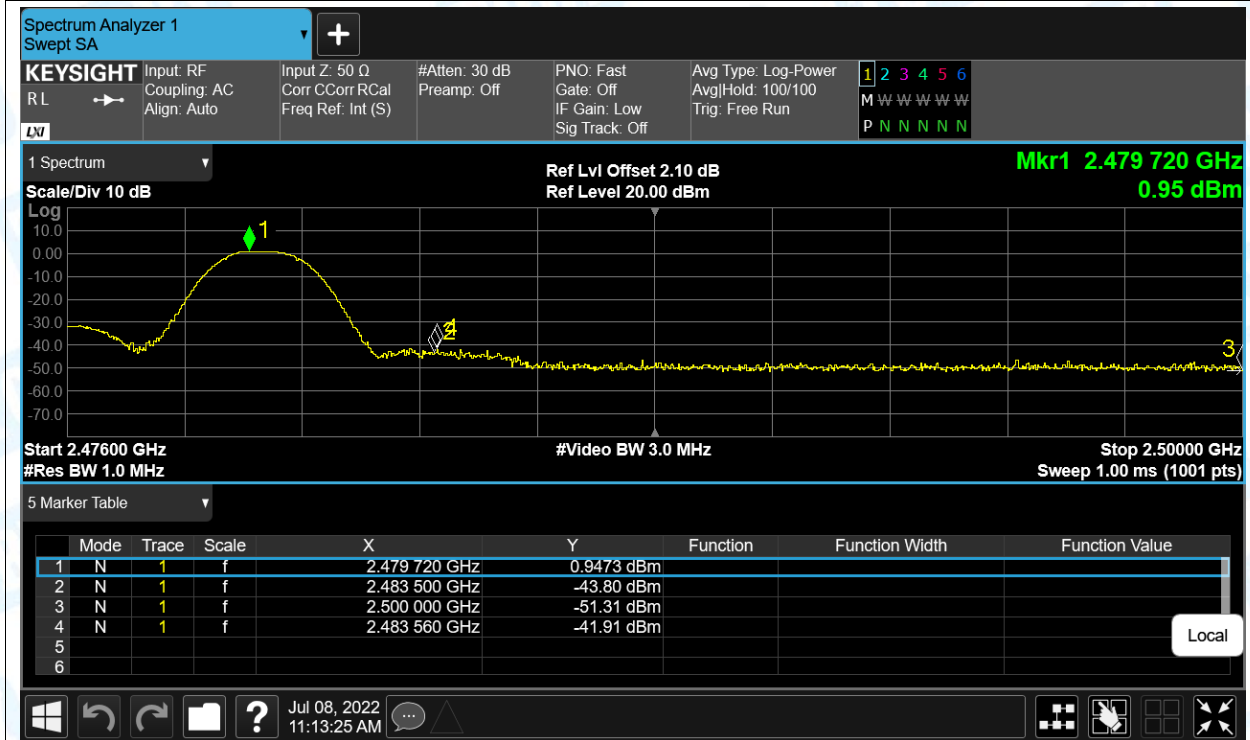


8. Restrict Band

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	-50.42	2	46.84	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2310	-58.01	2	39.25	Average	54	Pass
NVNT	BLE 1Mbps	2402	Ant1	2351.76	-46.97	2	50.29	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2345.616	-56.82	2	40.44	Average	54	Pass
NVNT	BLE 1Mbps	2402	Ant1	2390	-49.04	2	48.22	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2390	-57.62	2	39.64	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.5	-43.8	2	53.46	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.5	-48.83	2	48.43	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.56	-41.91	2	55.35	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.512	-48.83	2	48.43	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2500	-51.31	2	45.95	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2500	-57.72	2	39.54	Average	54	Pass



Restrict Band NVNT BLE 1Mbps 2480MHz Ant1 Peak



Restrict Band NVNT BLE 1Mbps 2480MHz Ant1 Average

