

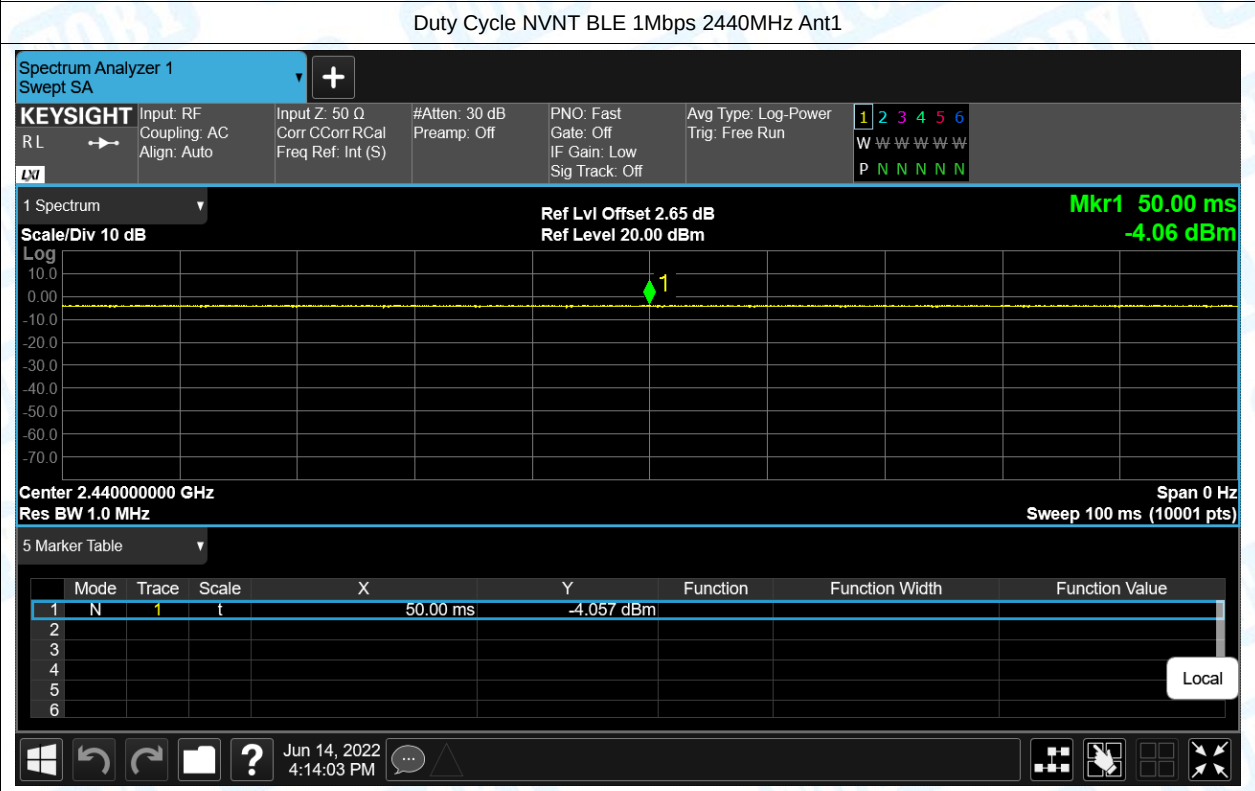
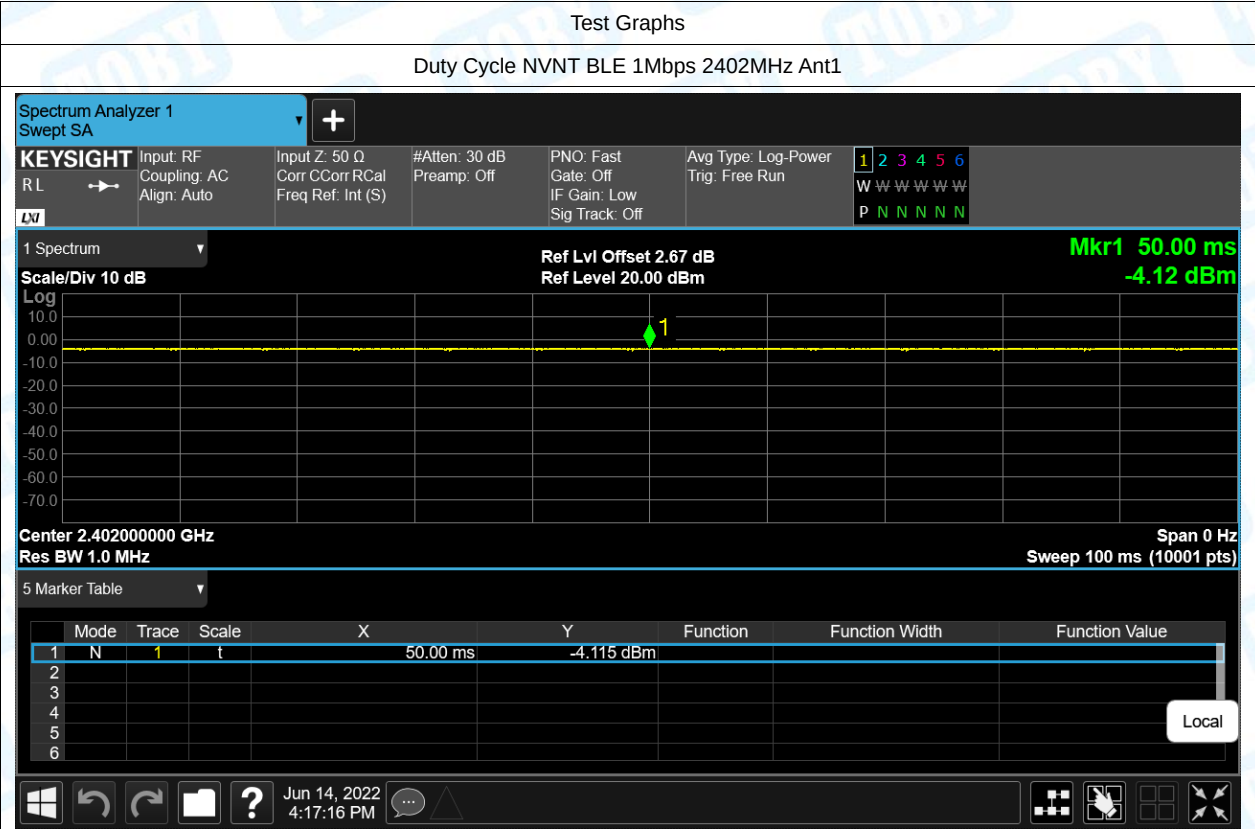
RF Test Data for Bluetooth LE

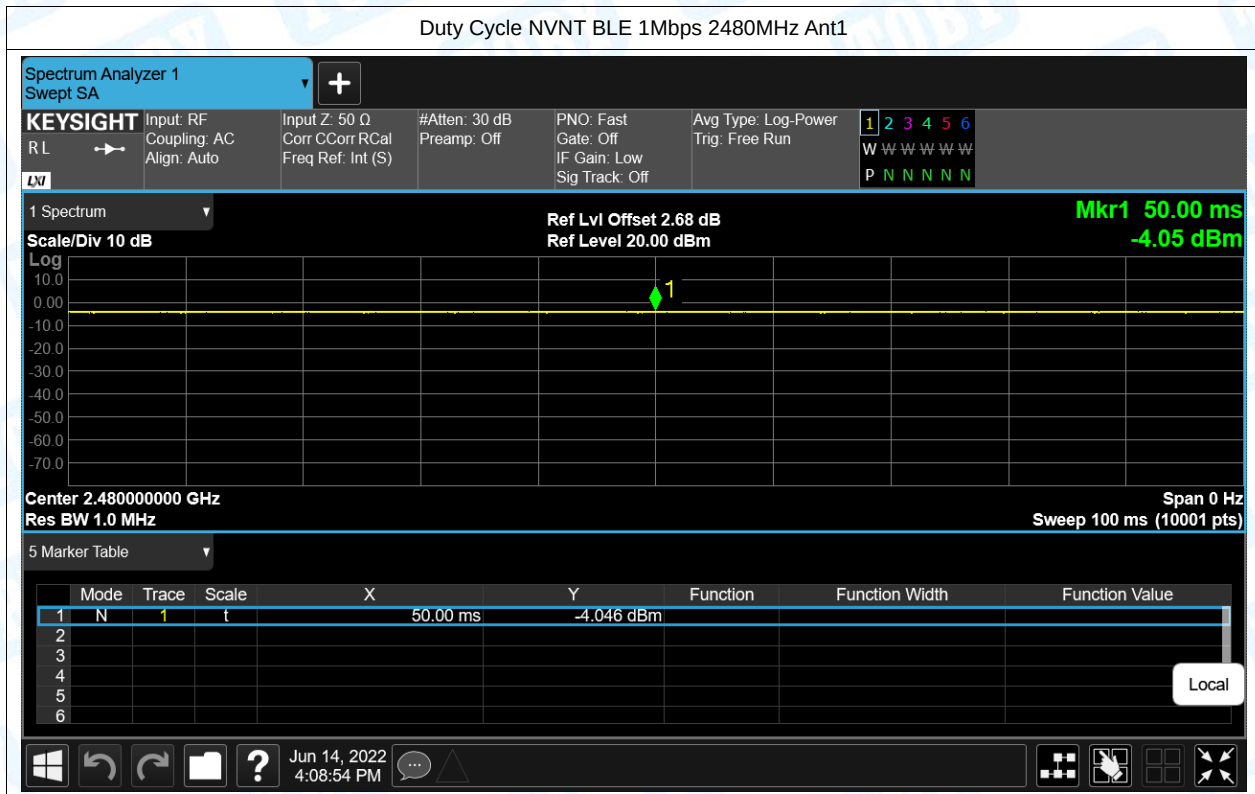
(Conducted Measurements)

General Description of EUT	
Product Name:	Wireless Smart Battery Camera
Test Model:	CG6S
Sample ID:	202205-0351-5-2
Environmental Conditions	
Temperature:	23℃
Relative Humidity:	50%
Test Voltage:	DC 3.6V
Test Engineer:	Liufeng
Note: For a more detailed features description, please refer to the report TBR-C-202205-0351-6.	

Duty Cycle

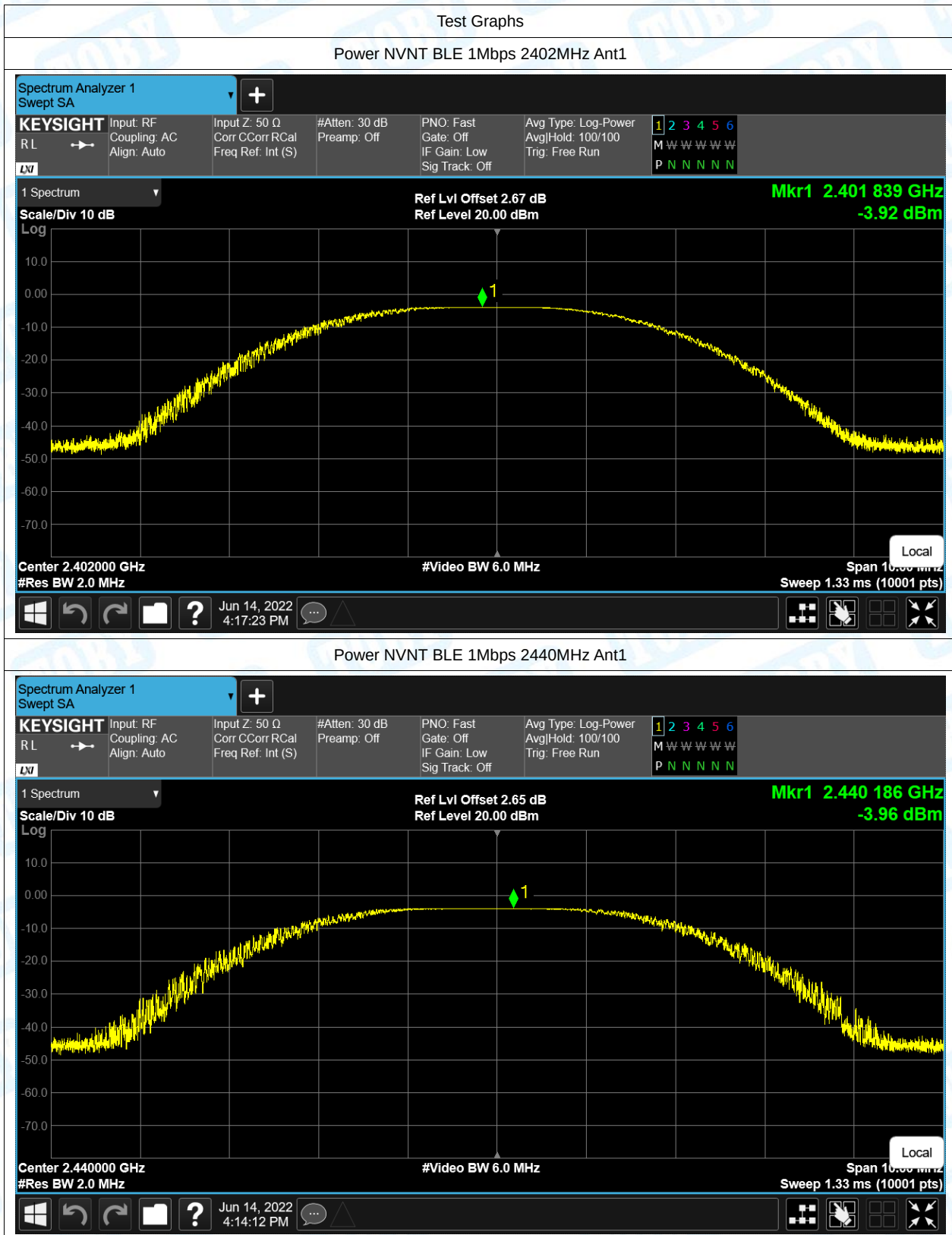
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1Mbps	2402	Ant1	100	0	0
NVNT	BLE 1Mbps	2440	Ant1	100	0	0
NVNT	BLE 1Mbps	2480	Ant1	100	0	0

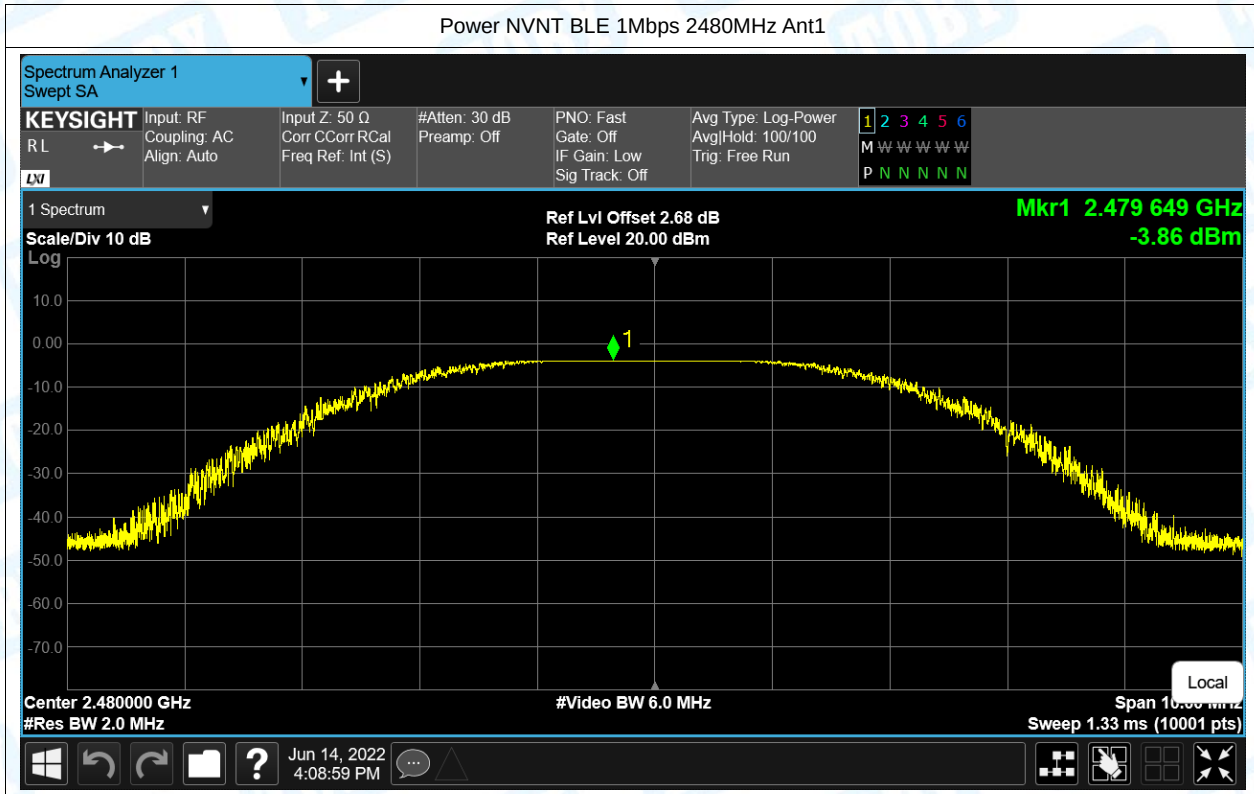




Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-3.92	30	Pass
NVNT	BLE 1Mbps	2440	Ant1	-3.96	30	Pass
NVNT	BLE 1Mbps	2480	Ant1	-3.86	30	Pass





-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	0.8859	0.5	Pass
NVNT	BLE 1Mbps	2440	Ant1	1.423	0.5	Pass
NVNT	BLE 1Mbps	2480	Ant1	1.504	0.5	Pass

Test Graphs

-6dB Bandwidth NVNT BLE 1Mbps 2402MHz Ant1



-6dB Bandwidth NVNT BLE 1Mbps 2440MHz Ant1



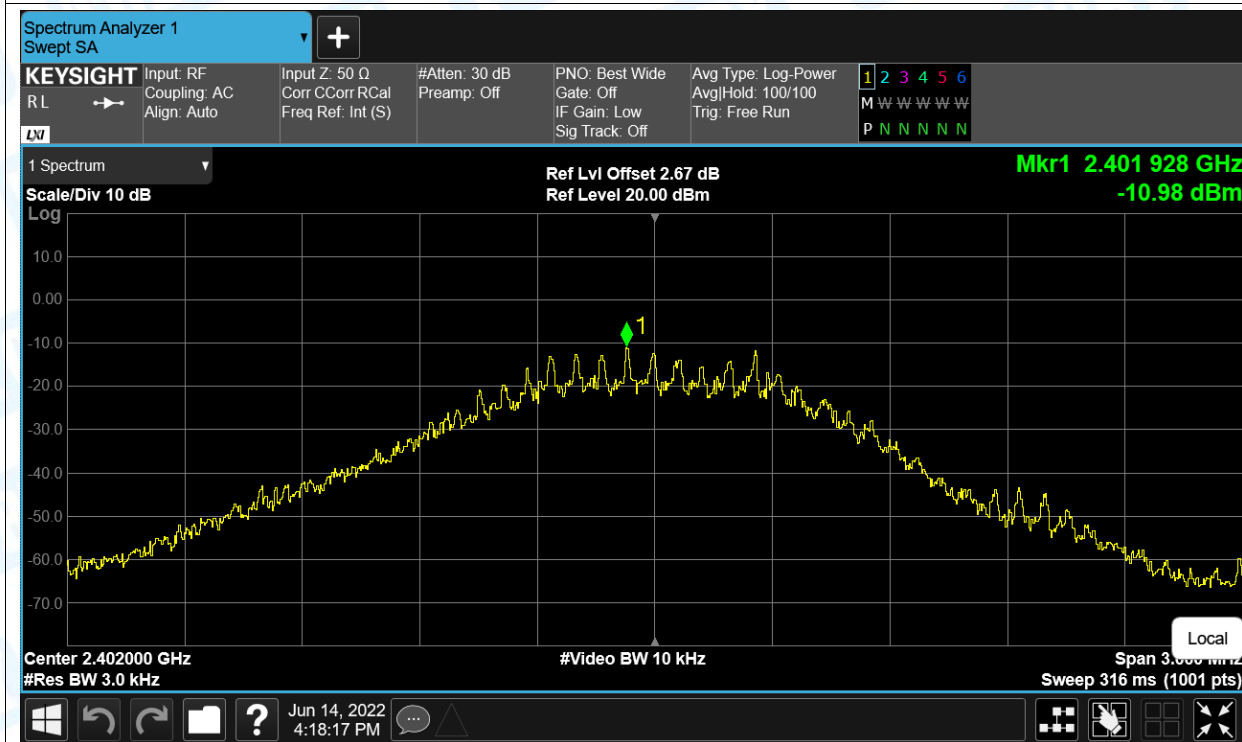


Maximum Power Spectral Density Level

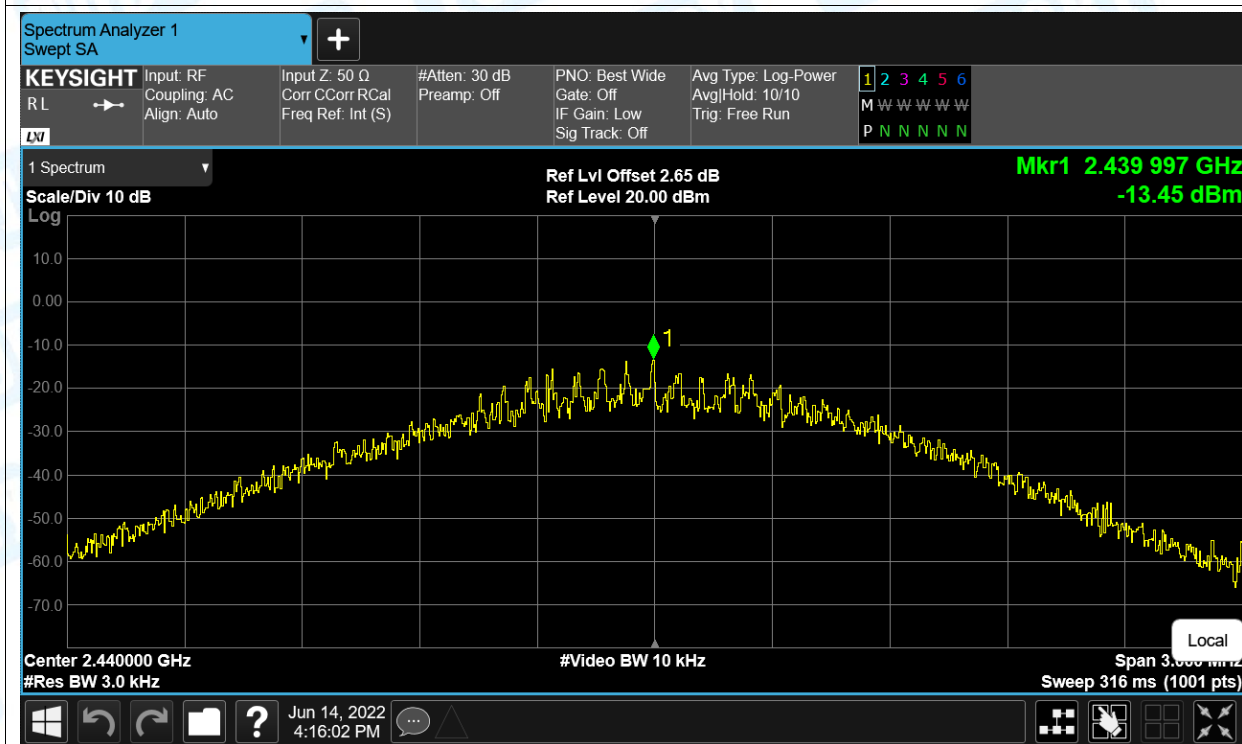
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-10.985	8	Pass
NVNT	BLE 1Mbps	2440	Ant1	-13.446	8	Pass
NVNT	BLE 1Mbps	2480	Ant1	-10.767	8	Pass

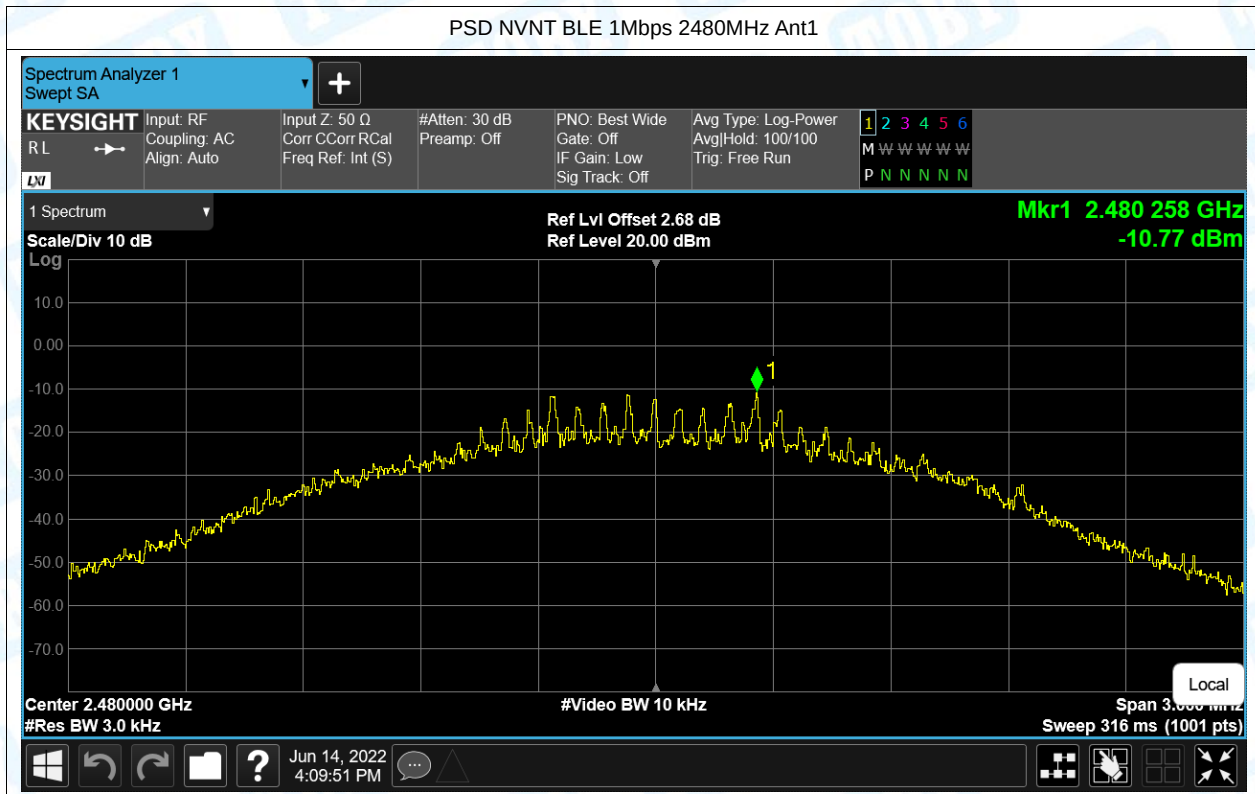
Test Graphs

PSD NVNT BLE 1Mbps 2402MHz Ant1



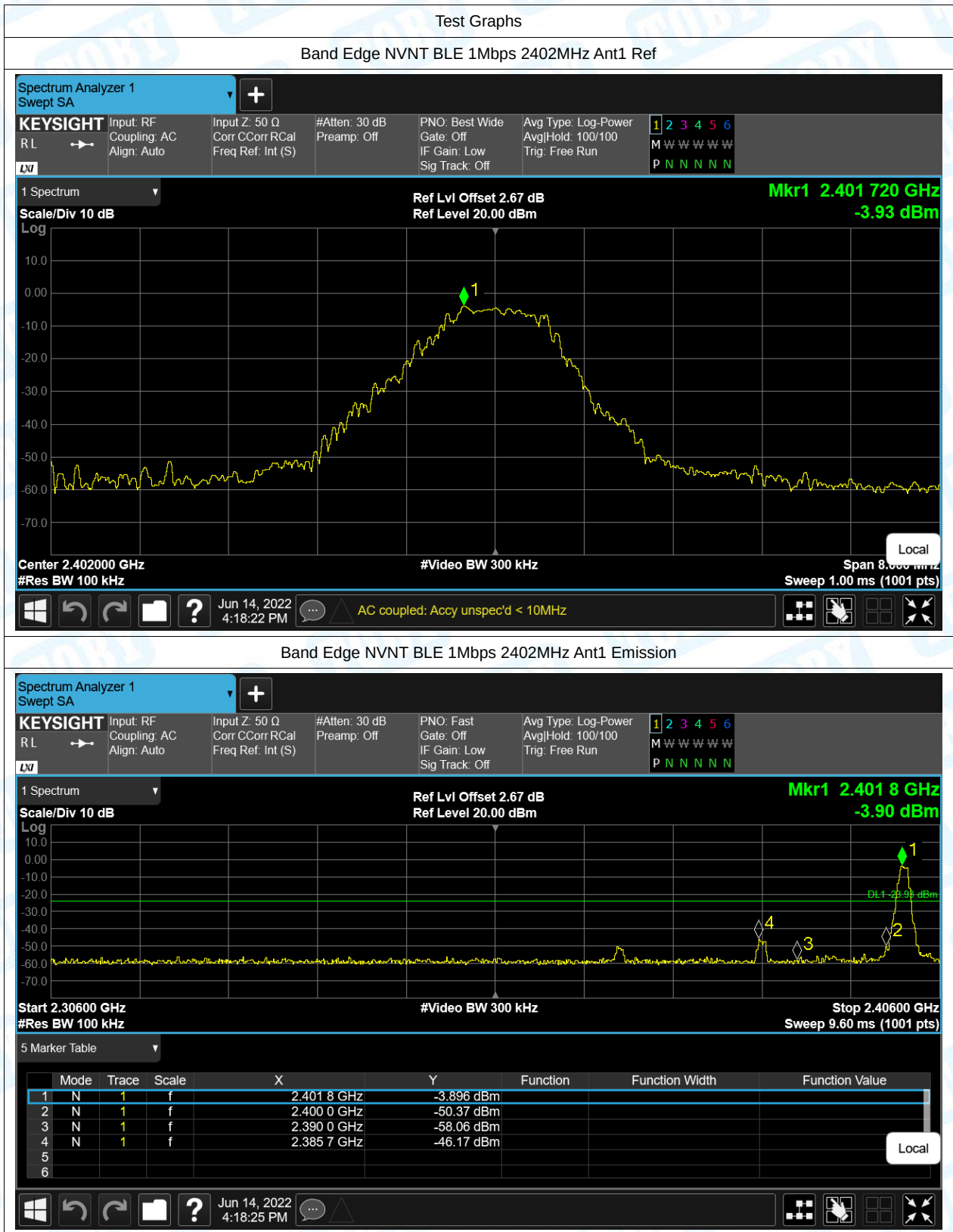
PSD NVNT BLE 1Mbps 2440MHz Ant1

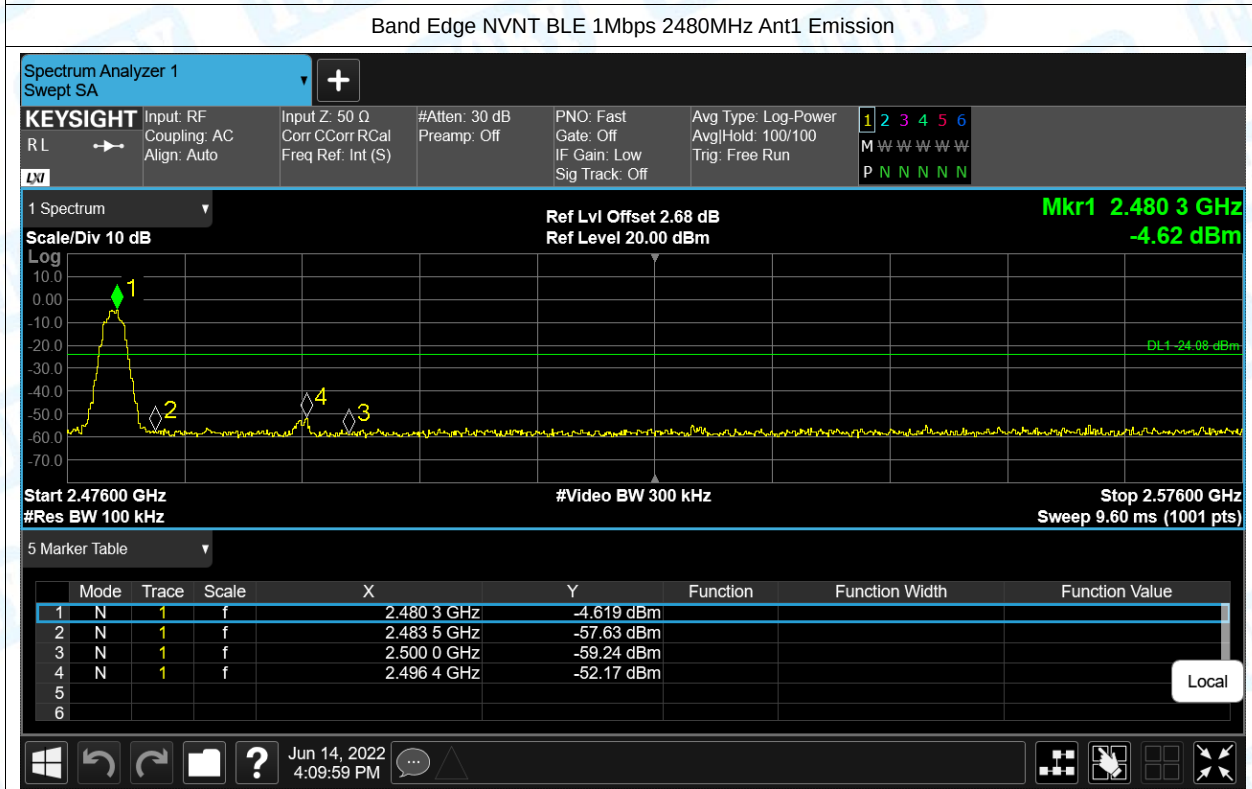
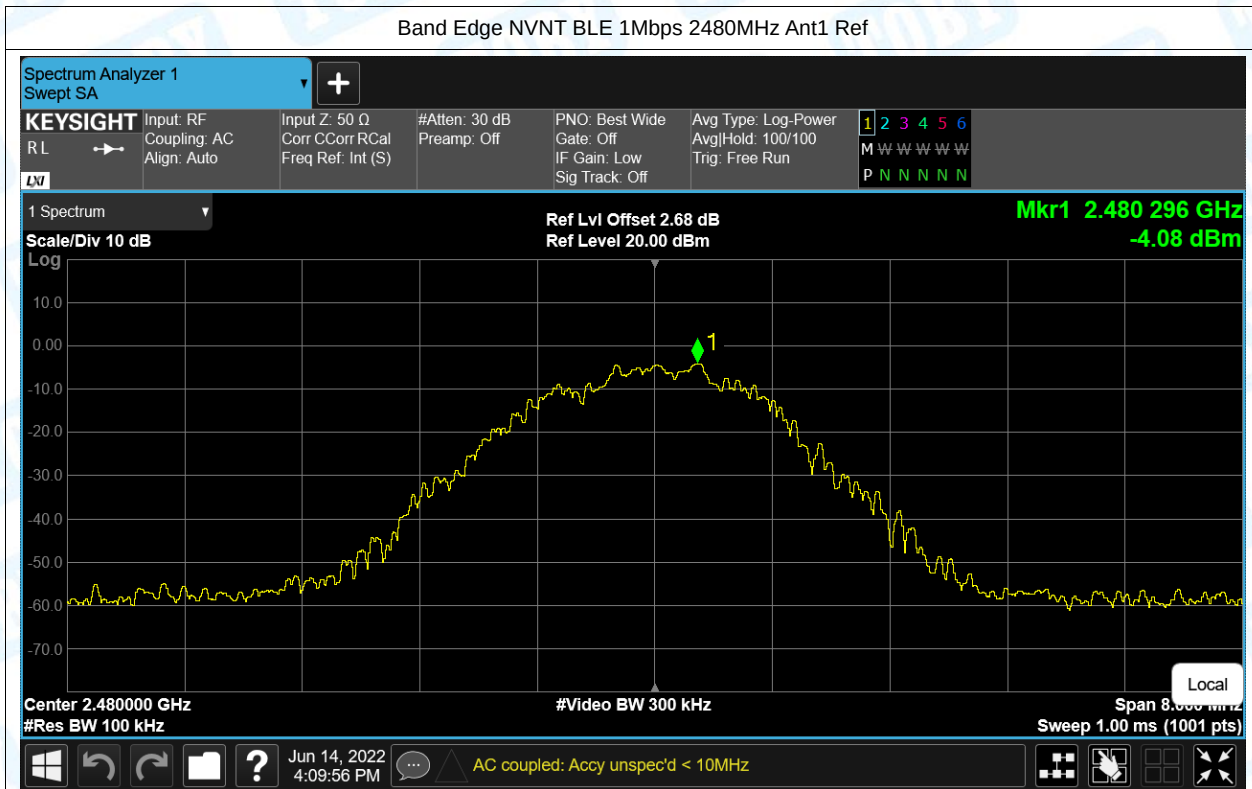




Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-42.24	-20	Pass
NVNT	BLE 1Mbps	2480	Ant1	-48.1	-20	Pass

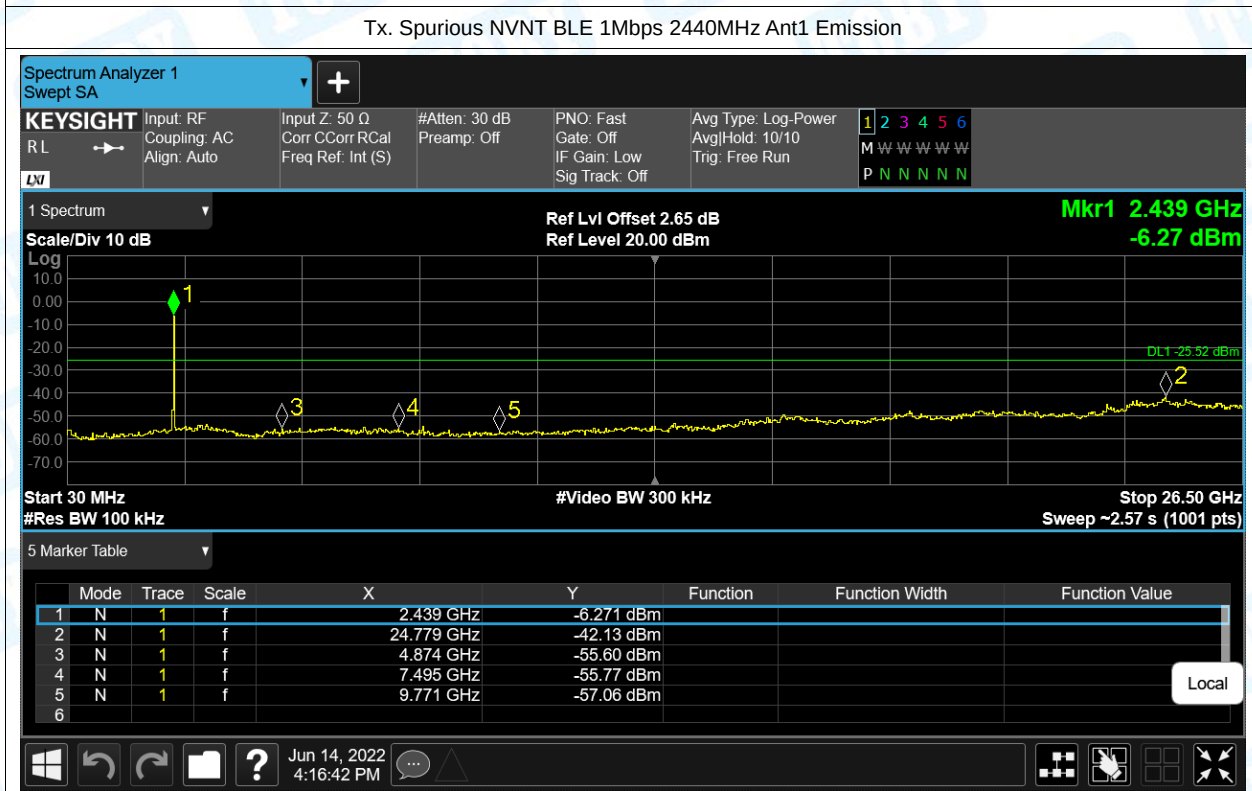
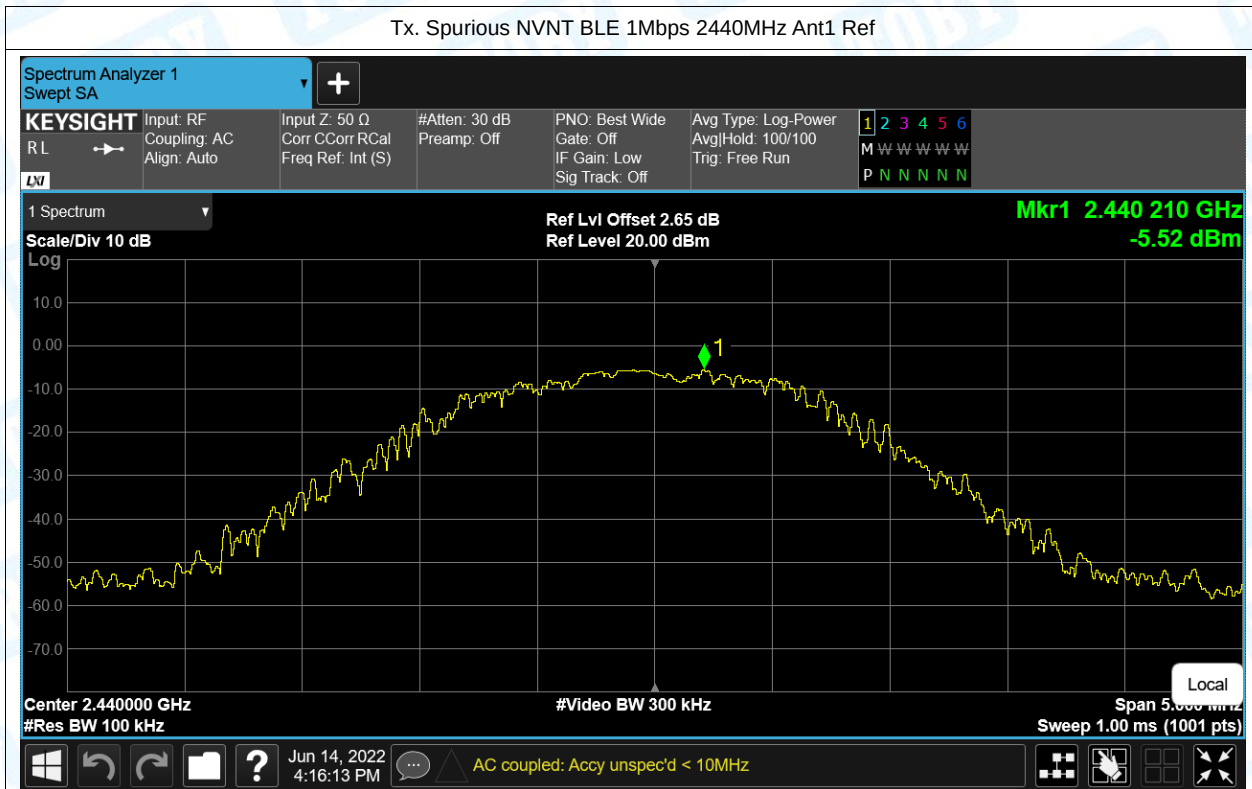


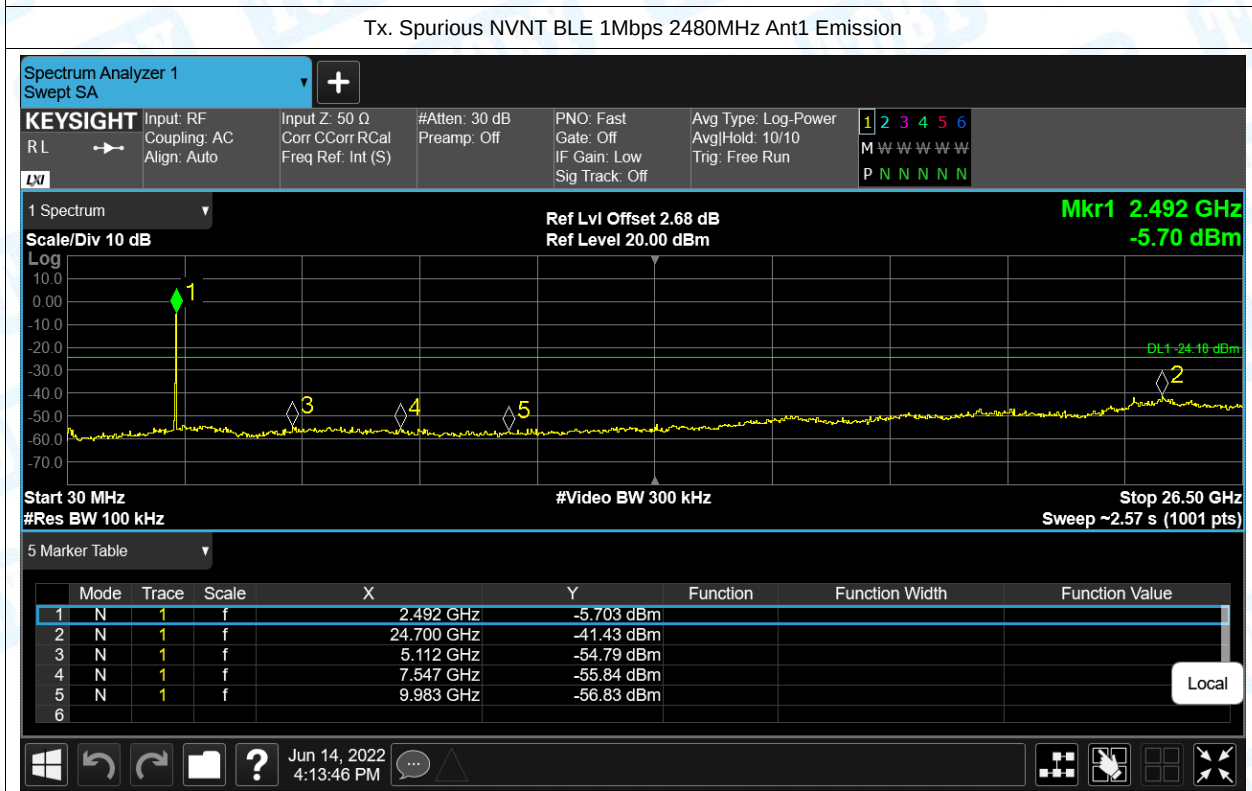
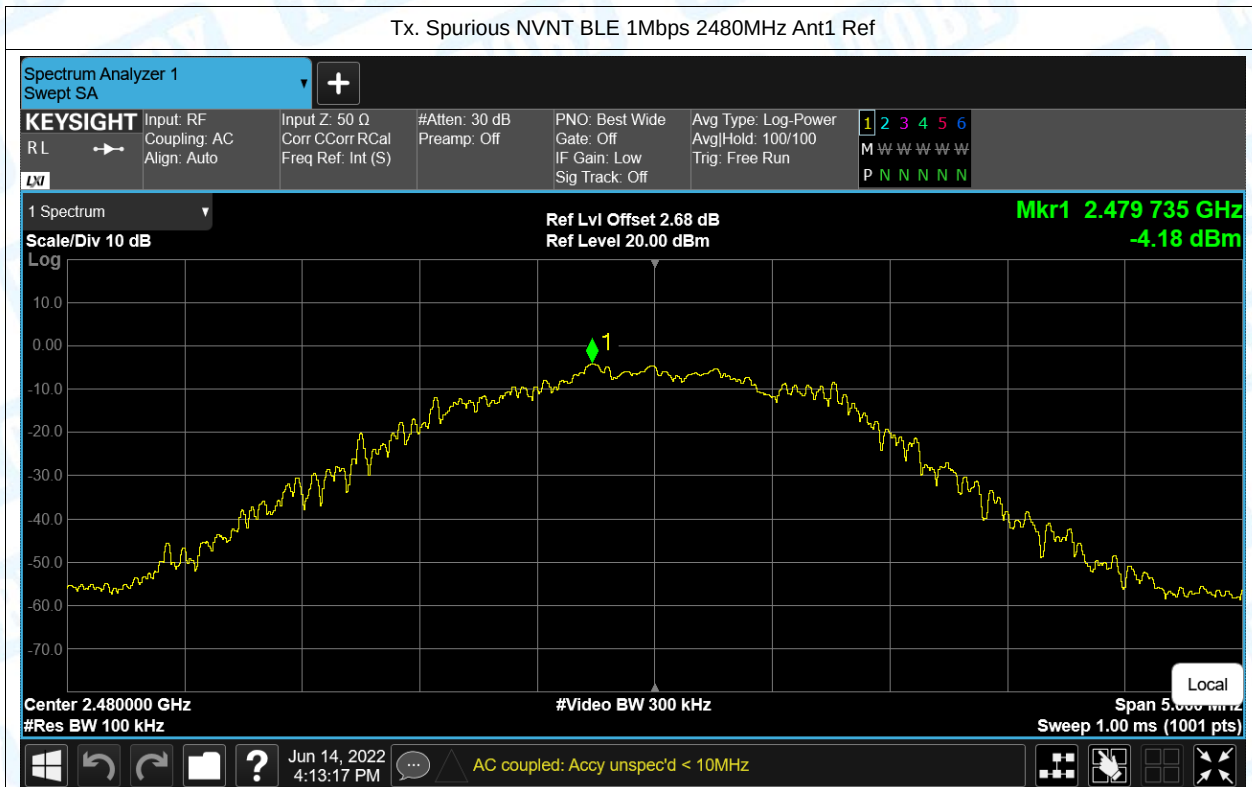


Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-37.99	-20	Pass
NVNT	BLE 1Mbps	2440	Ant1	-36.61	-20	Pass
NVNT	BLE 1Mbps	2480	Ant1	-37.25	-20	Pass

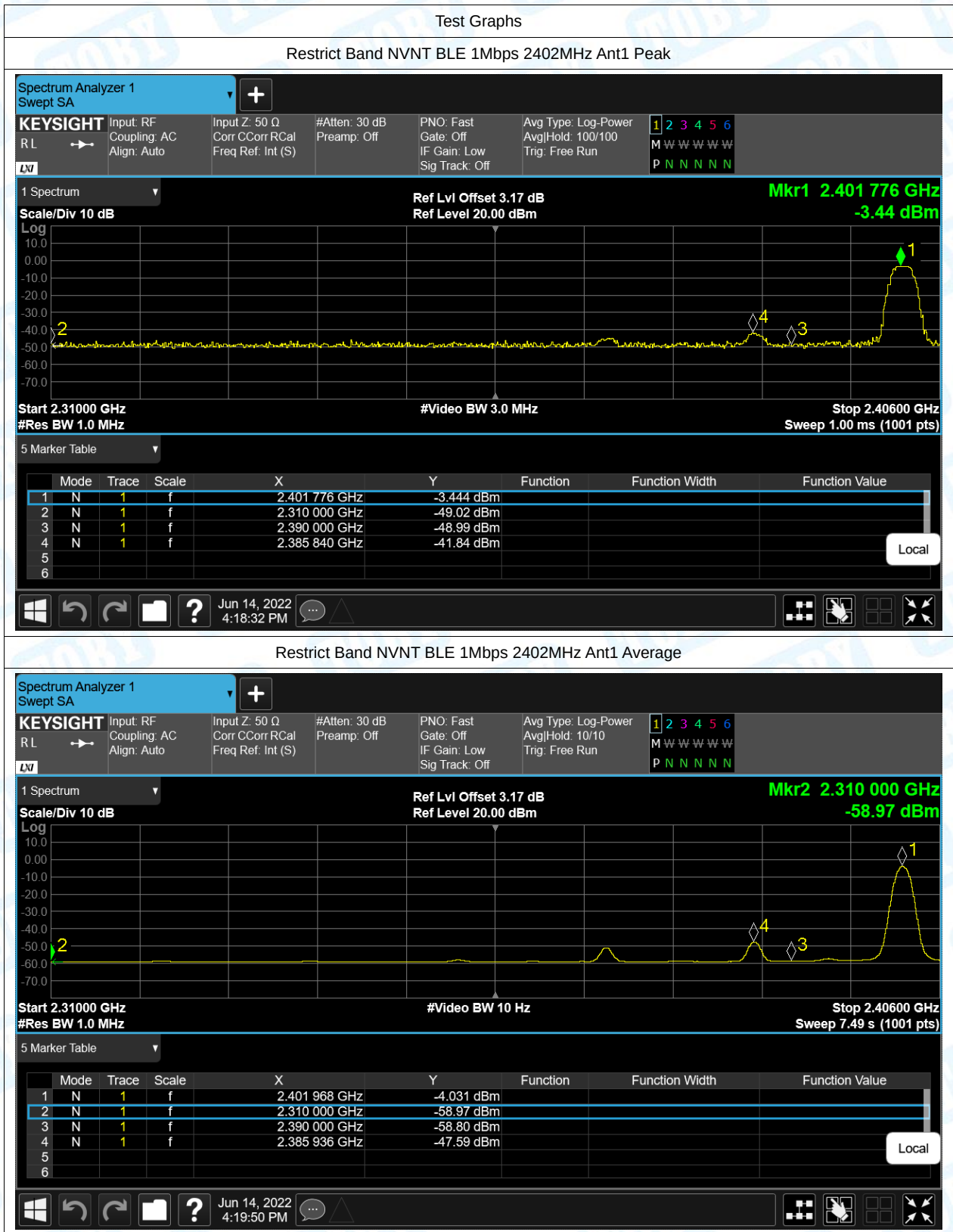




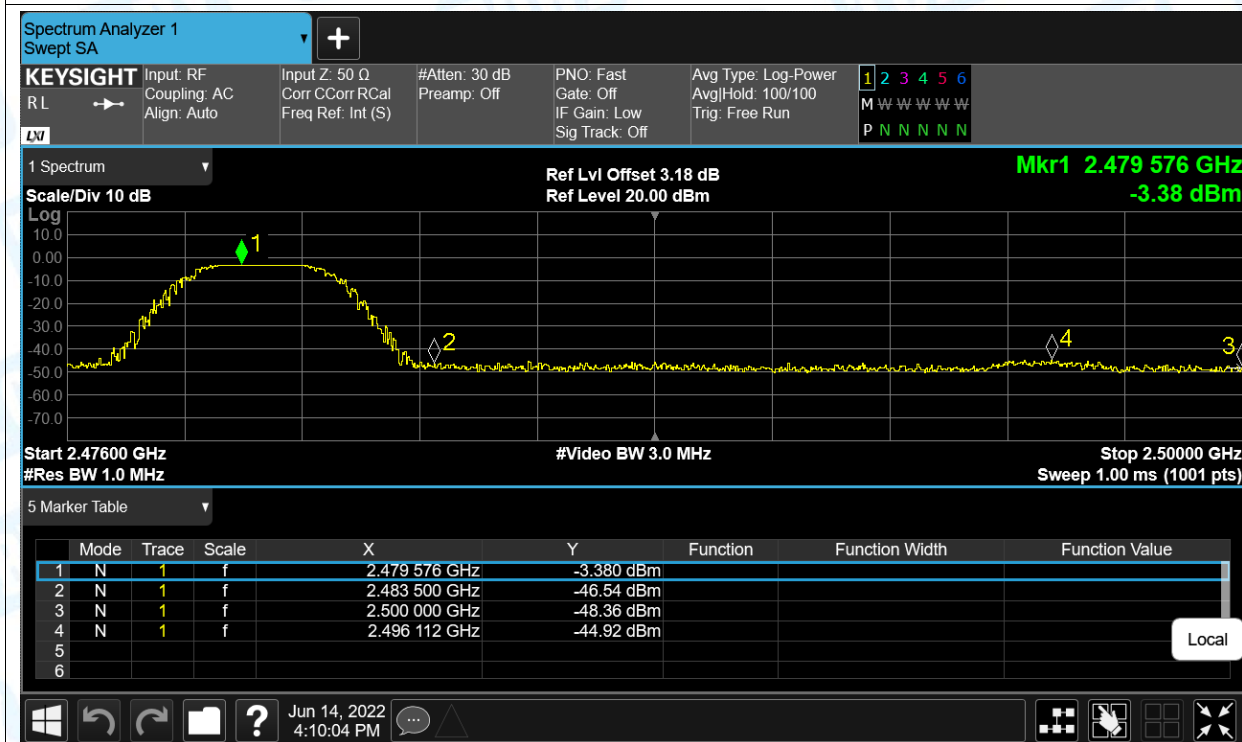


Restrict Band

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	-49.02	2	48.24	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2310	-58.97	2	38.29	Average	54	Pass
NVNT	BLE 1Mbps	2402	Ant1	2385.84	-41.84	2	55.42	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2385.936	-47.59	2	49.67	Average	54	Pass
NVNT	BLE 1Mbps	2402	Ant1	2390	-49.52	2	47.74	Peak	74	Pass
NVNT	BLE 1Mbps	2402	Ant1	2390	-58.8	2	38.46	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.5	-46.54	2	50.72	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2483.5	-57.53	2	39.73	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2496.112	-44.92	2	52.34	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2495.944	-54.49	2	42.77	Average	54	Pass
NVNT	BLE 1Mbps	2480	Ant1	2500	-48.36	2	48.9	Peak	74	Pass
NVNT	BLE 1Mbps	2480	Ant1	2500	-58.59	2	38.67	Average	54	Pass



Restrict Band NVNT BLE 1Mbps 2480MHz Ant1 Peak



Restrict Band NVNT BLE 1Mbps 2480MHz Ant1 Average

