

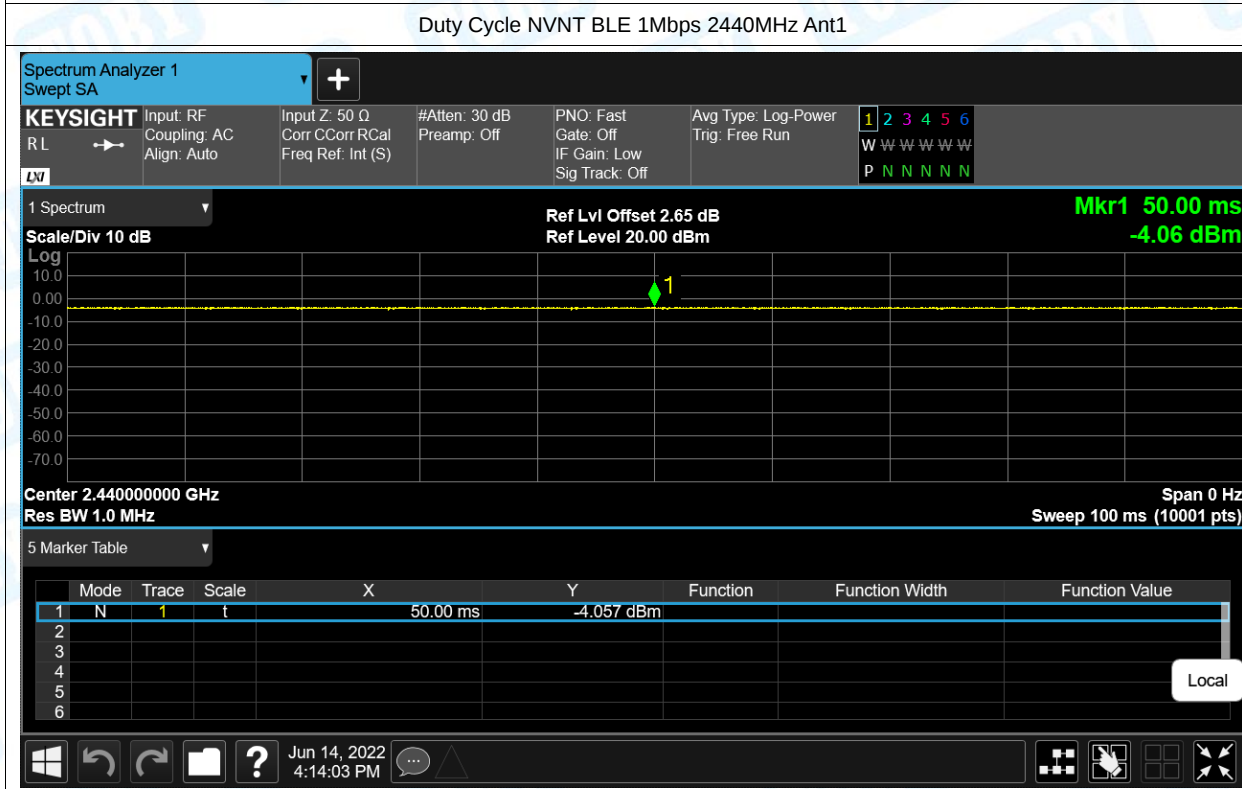
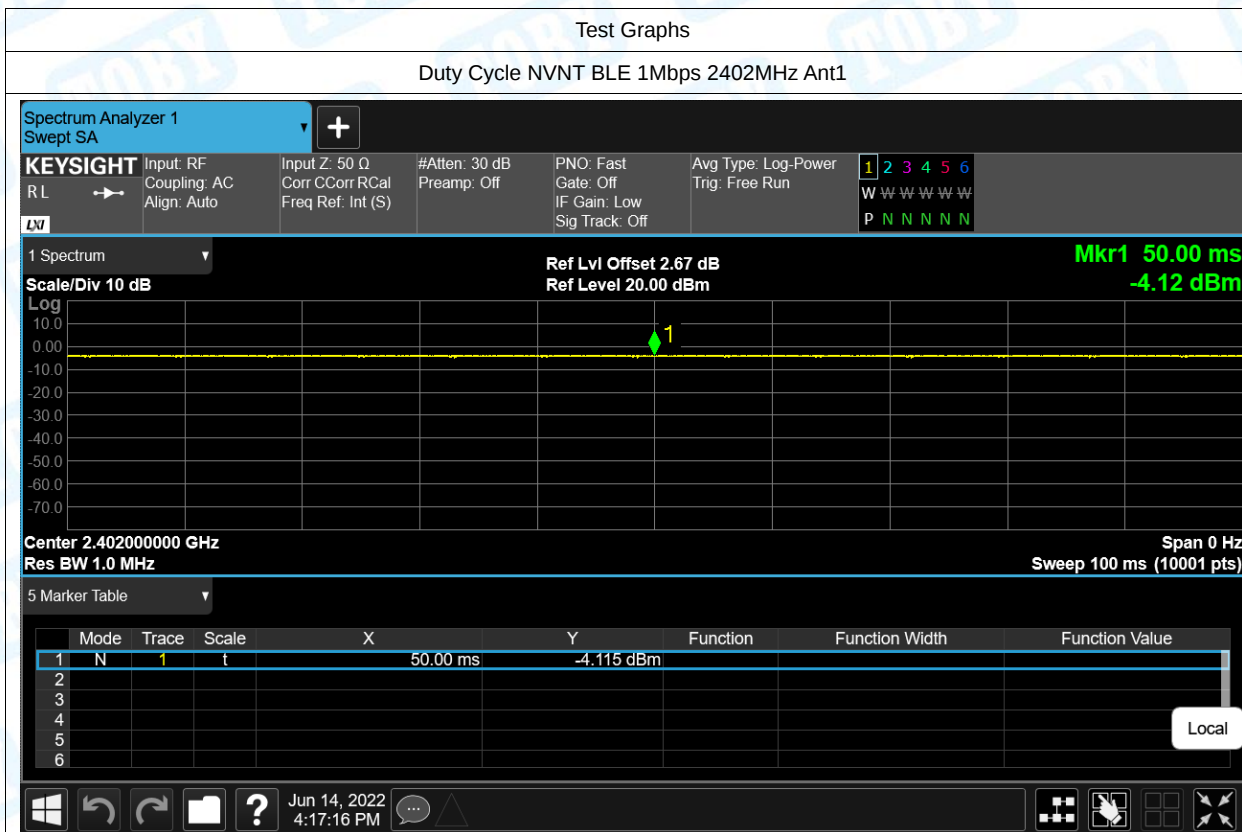
RF Test Data for Bluetooth LE

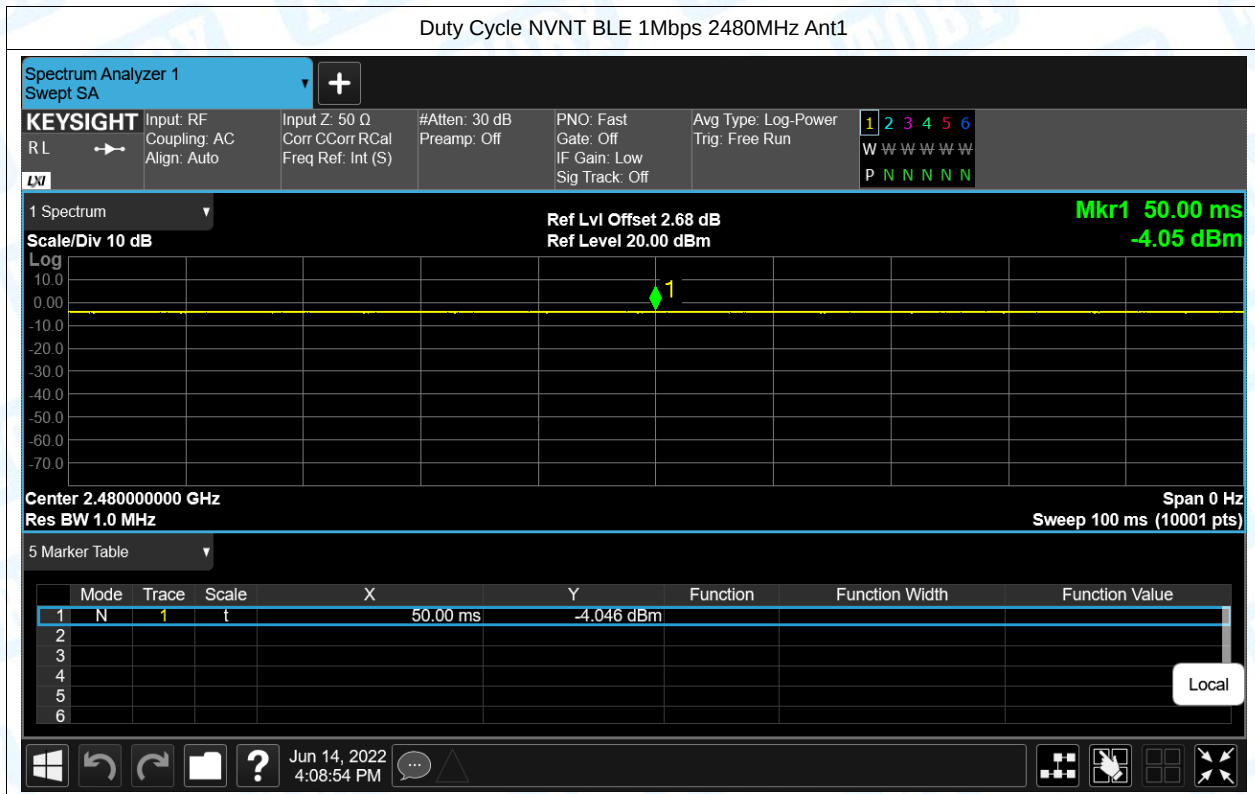
(Conducted Measurements)

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

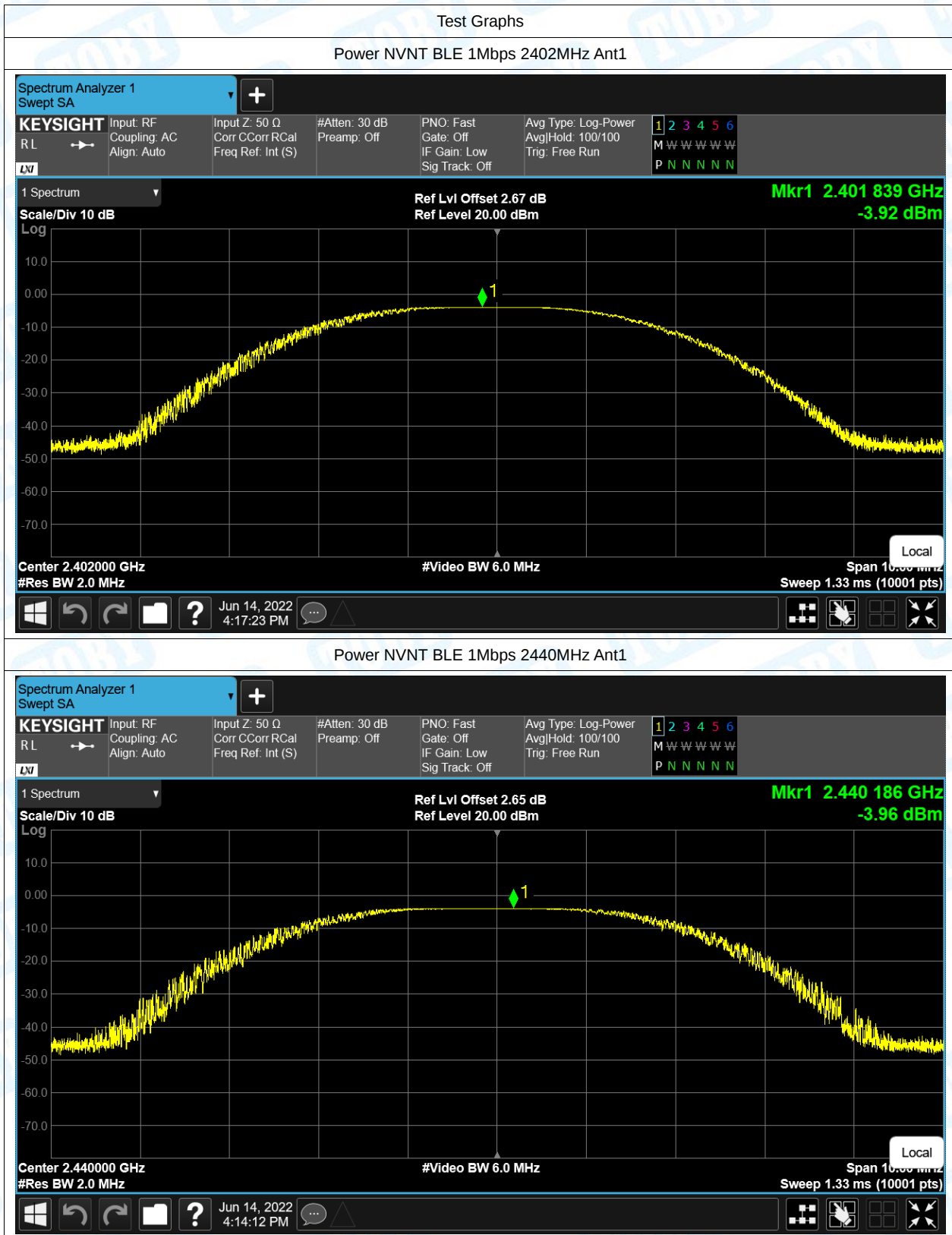
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1Mbps	2402	Ant1	100	0	0
NVNT	BLE 1Mbps	2440	Ant1	100	0	0
NVNT	BLE 1Mbps	2480	Ant1	100	0	0

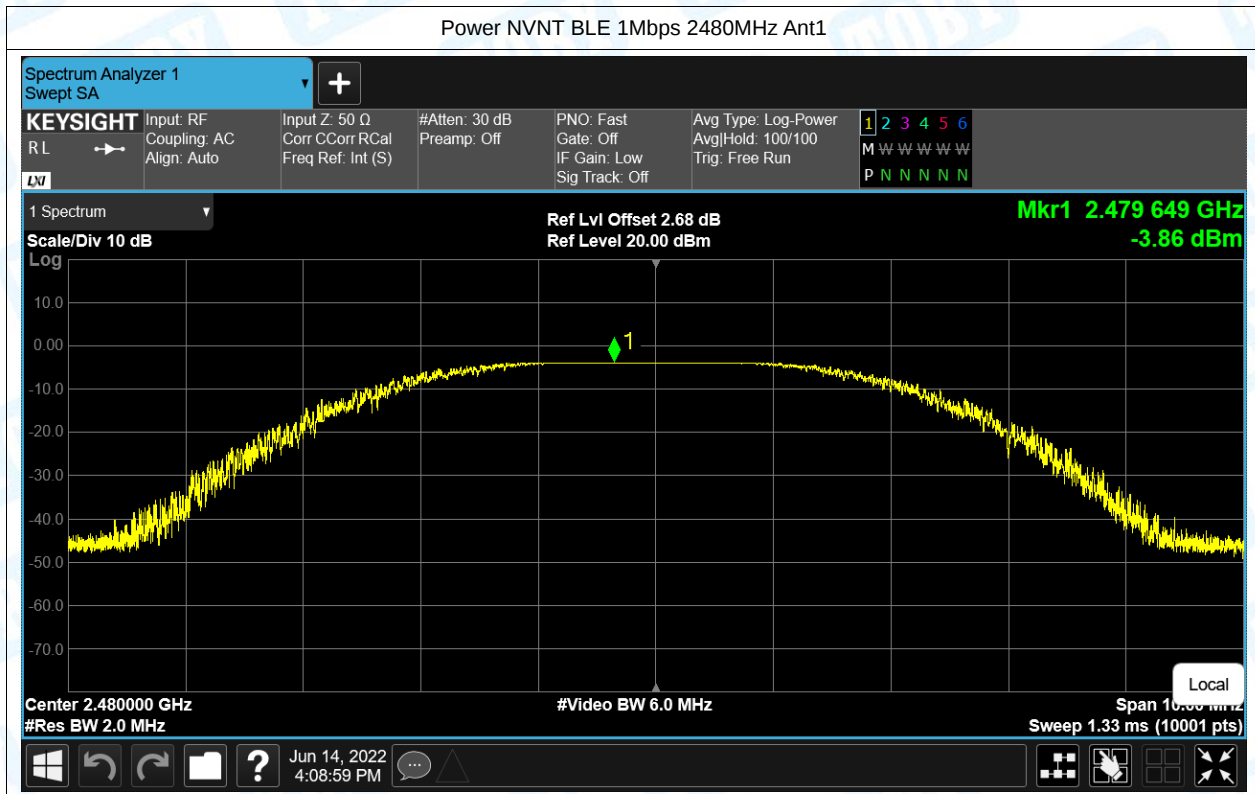




Maximum Conducted Output Power

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

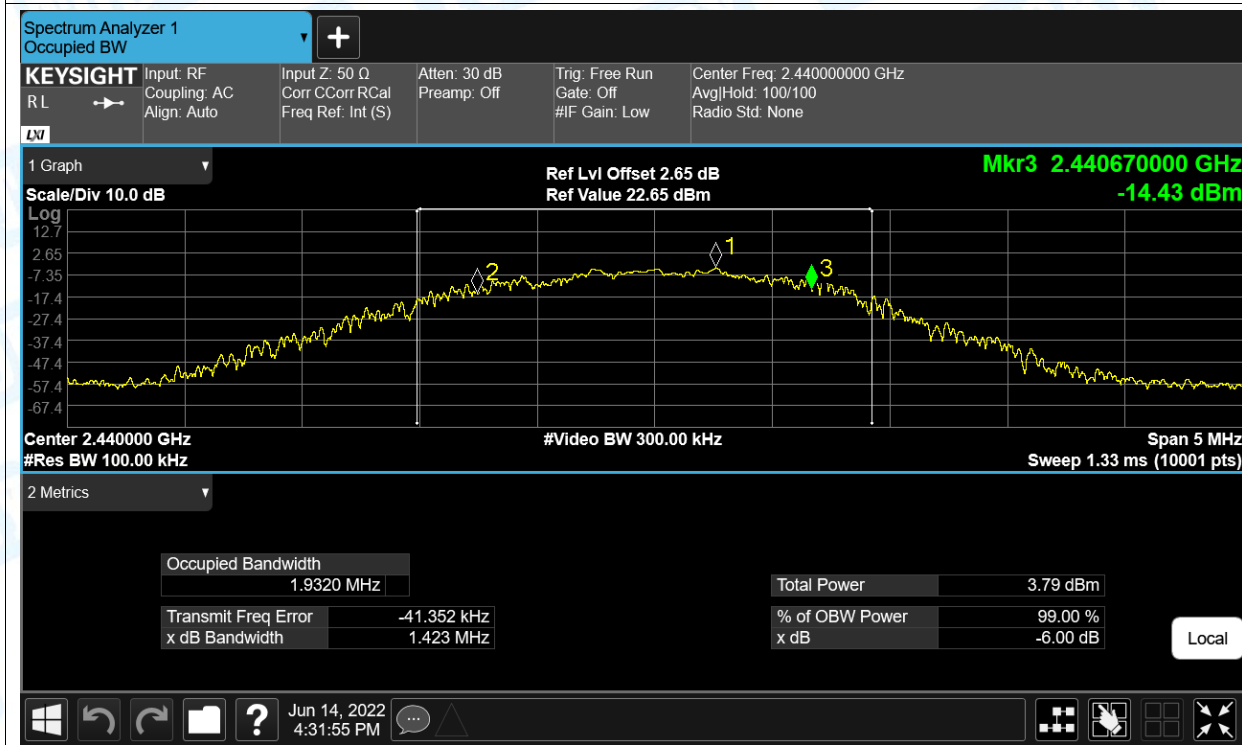
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	0.8859	0.5	Pass
NVNT	BLE 1Mbps	2440	Ant1	1.423	0.5	Pass
NVNT	BLE 1Mbps	2480	Ant1	1.504	0.5	Pass

Test Graphs

-6dB Bandwidth NVNT BLE 1Mbps 2402MHz Ant1



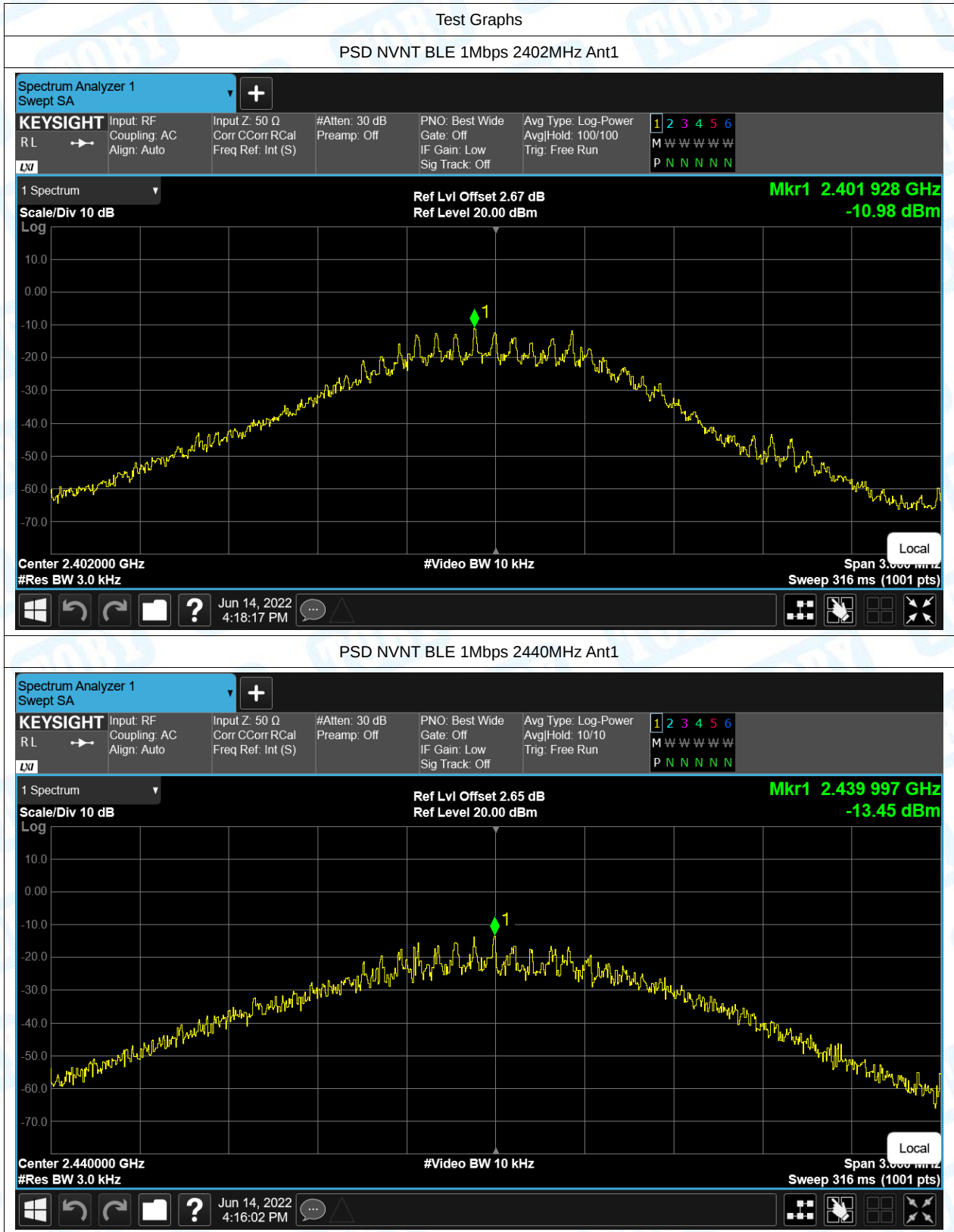
-6dB Bandwidth NVNT BLE 1Mbps 2440MHz Ant1

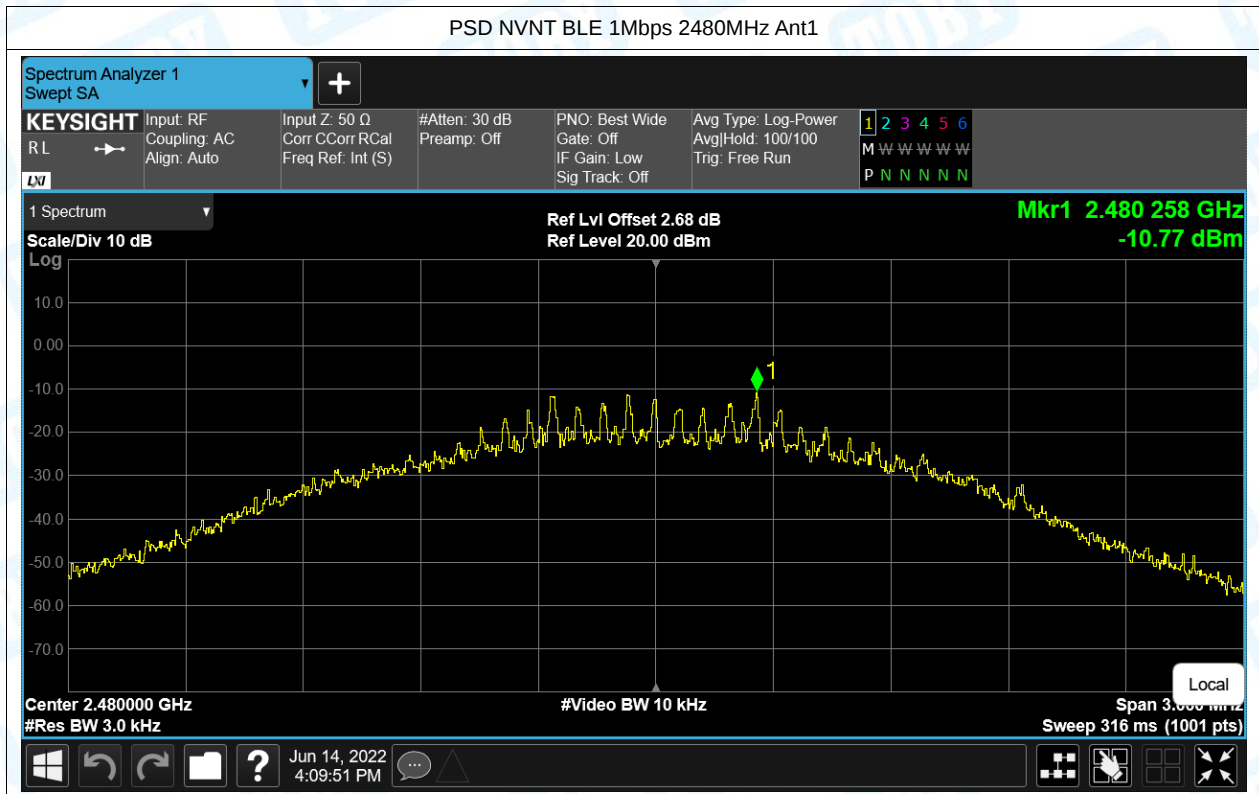




Maximum Power Spectral Density Level

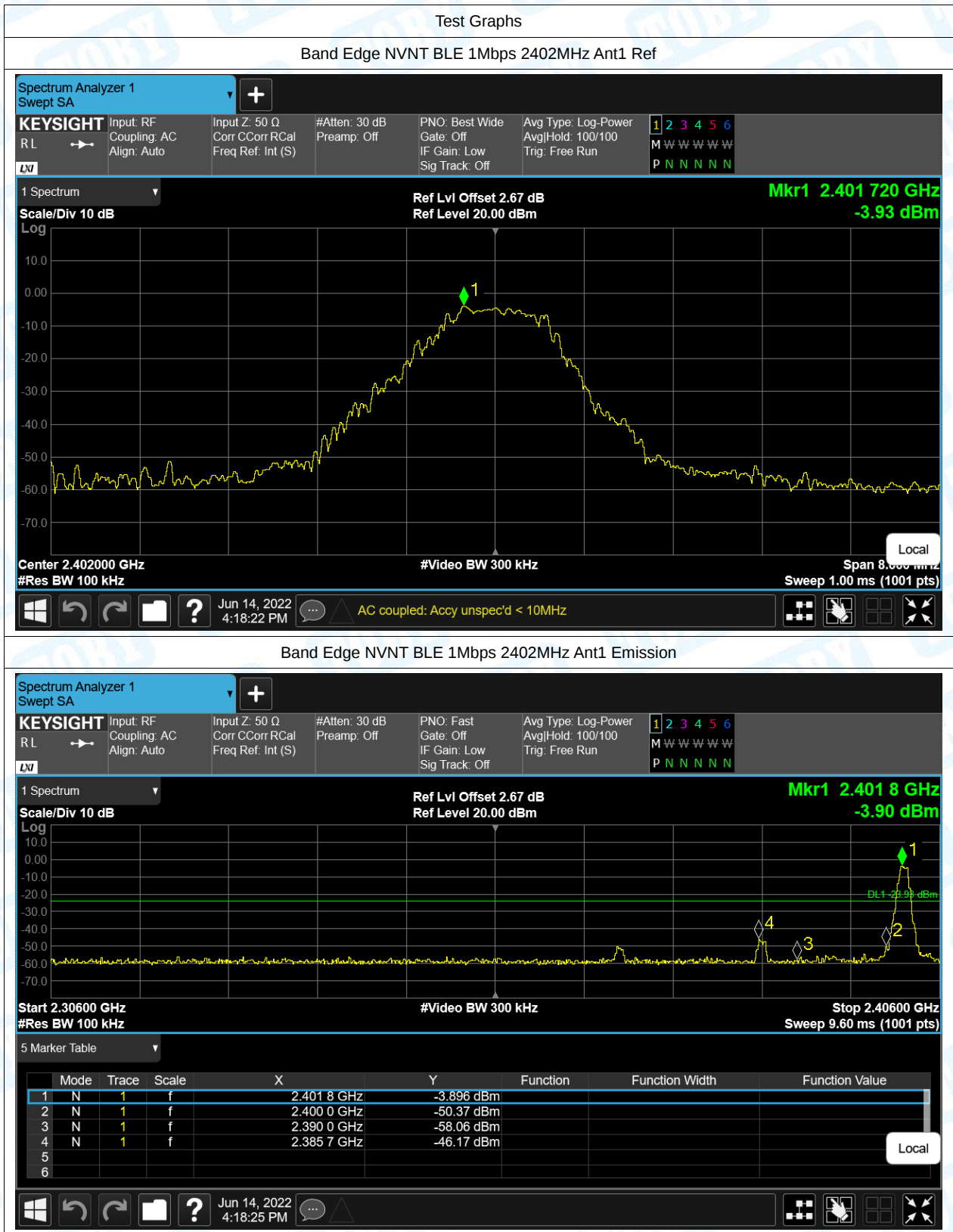
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1Mbps	2402	Ant1	-10.985	8	Pass
NVNT	BLE 1Mbps	2440	Ant1	-13.446	8	Pass
NVNT	BLE 1Mbps	2480	Ant1	-10.767	8	Pass

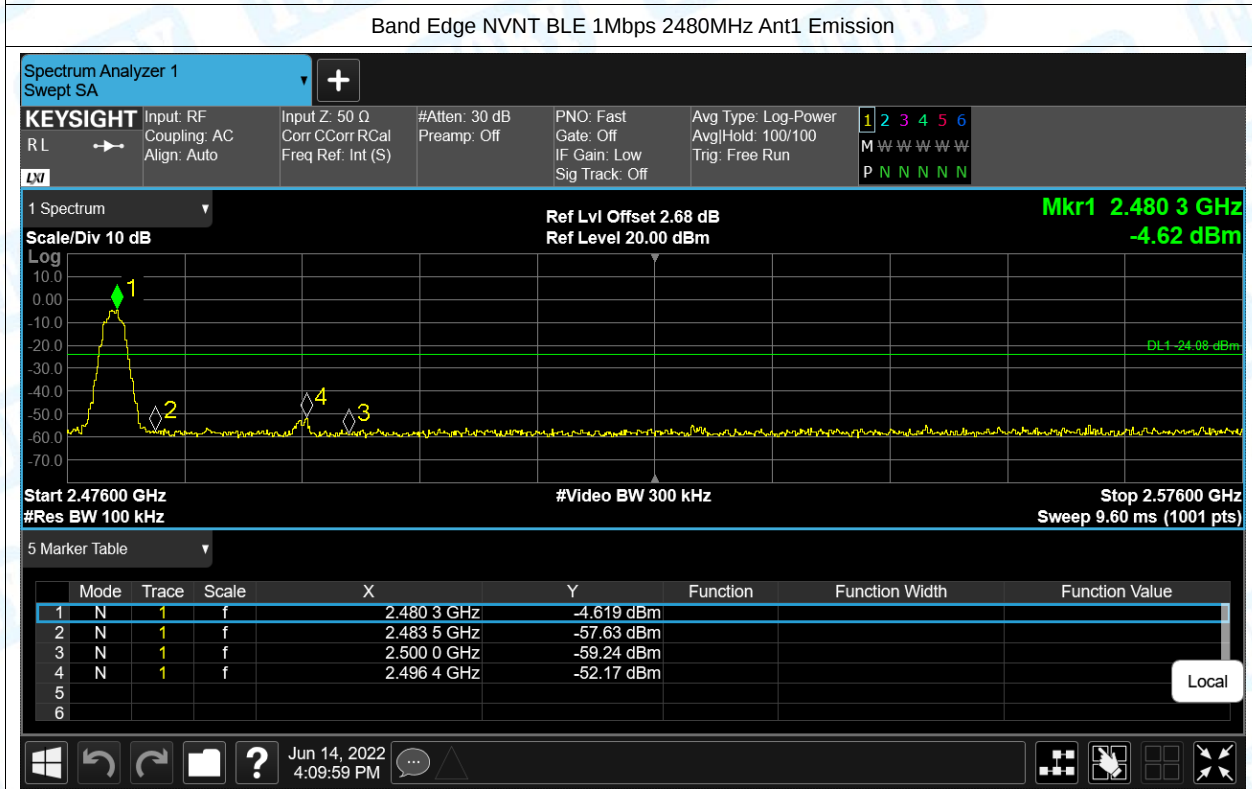
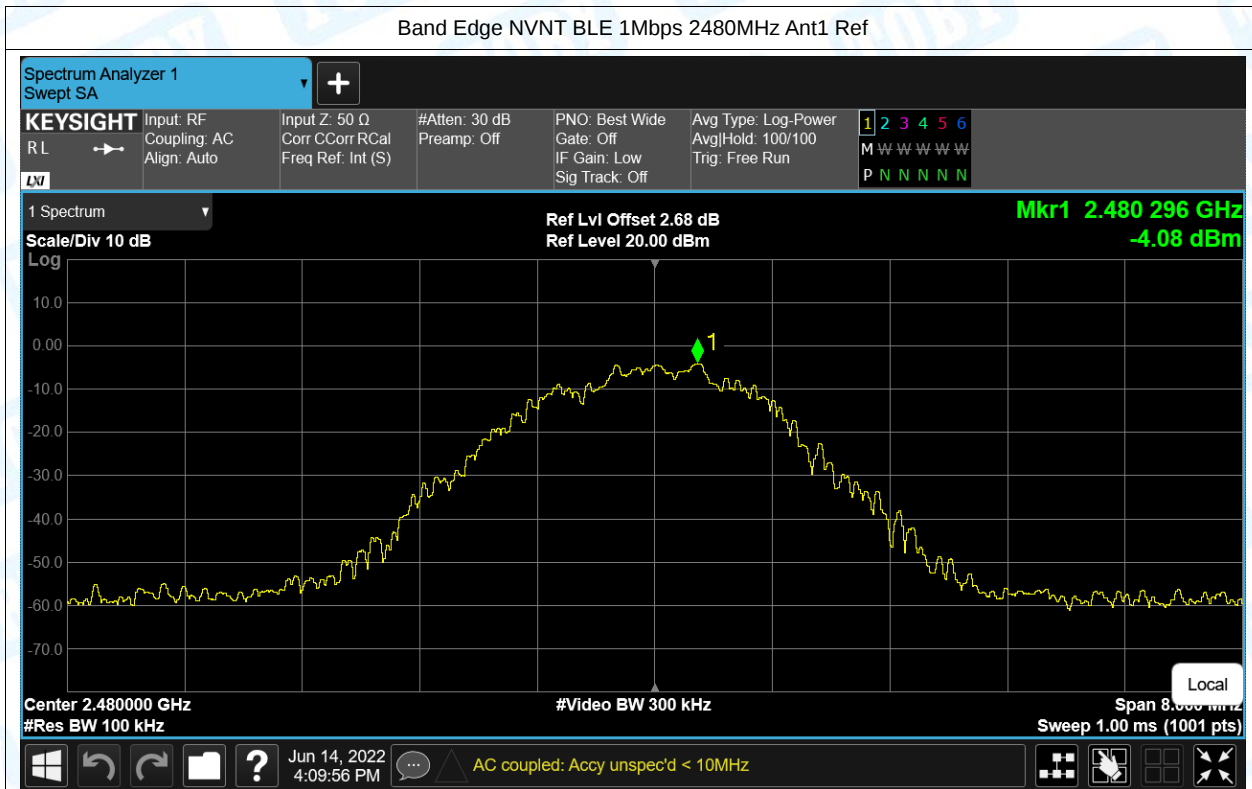




Band Edge

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

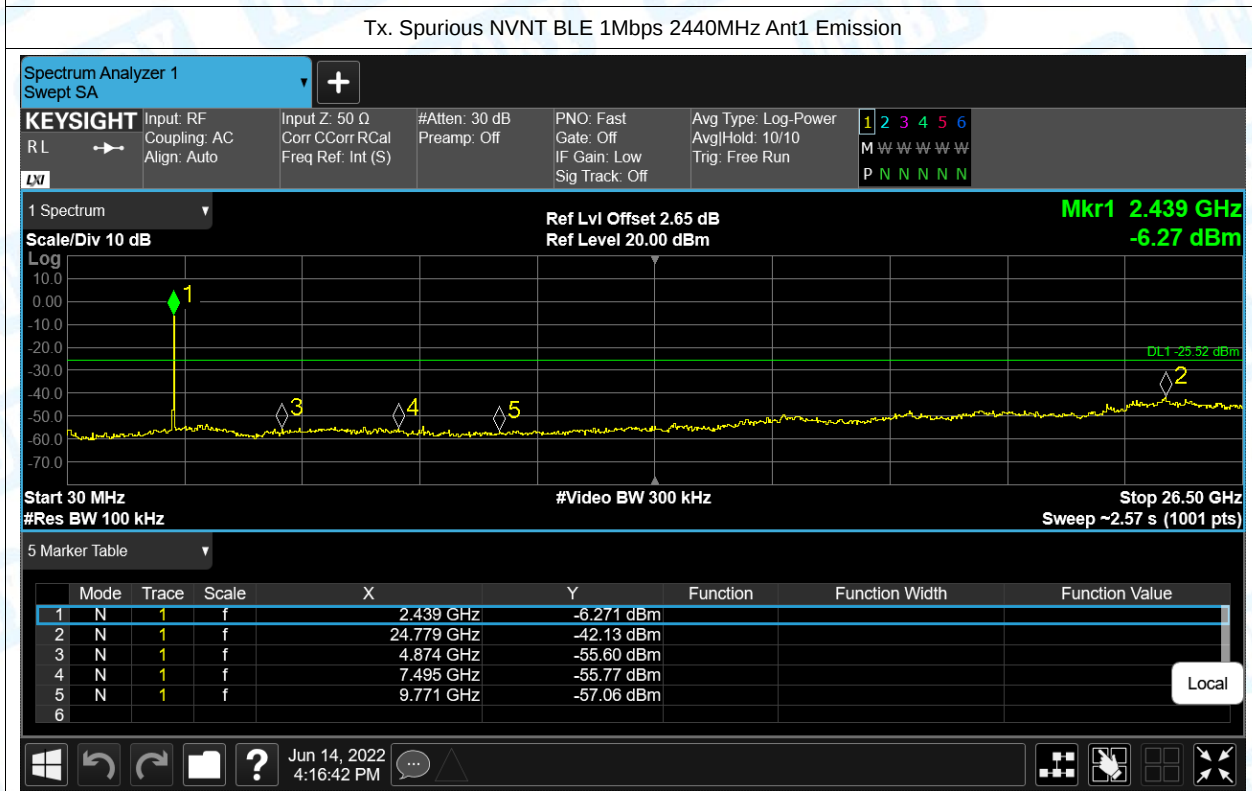
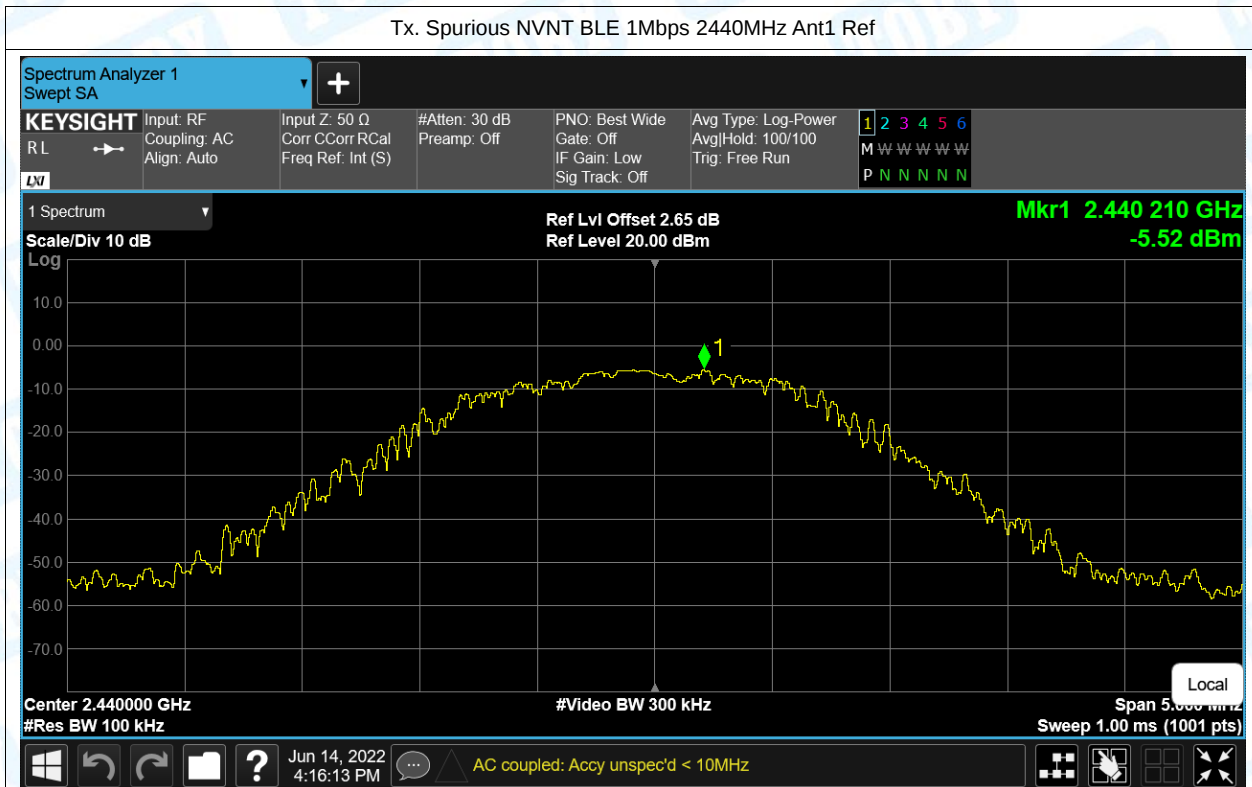


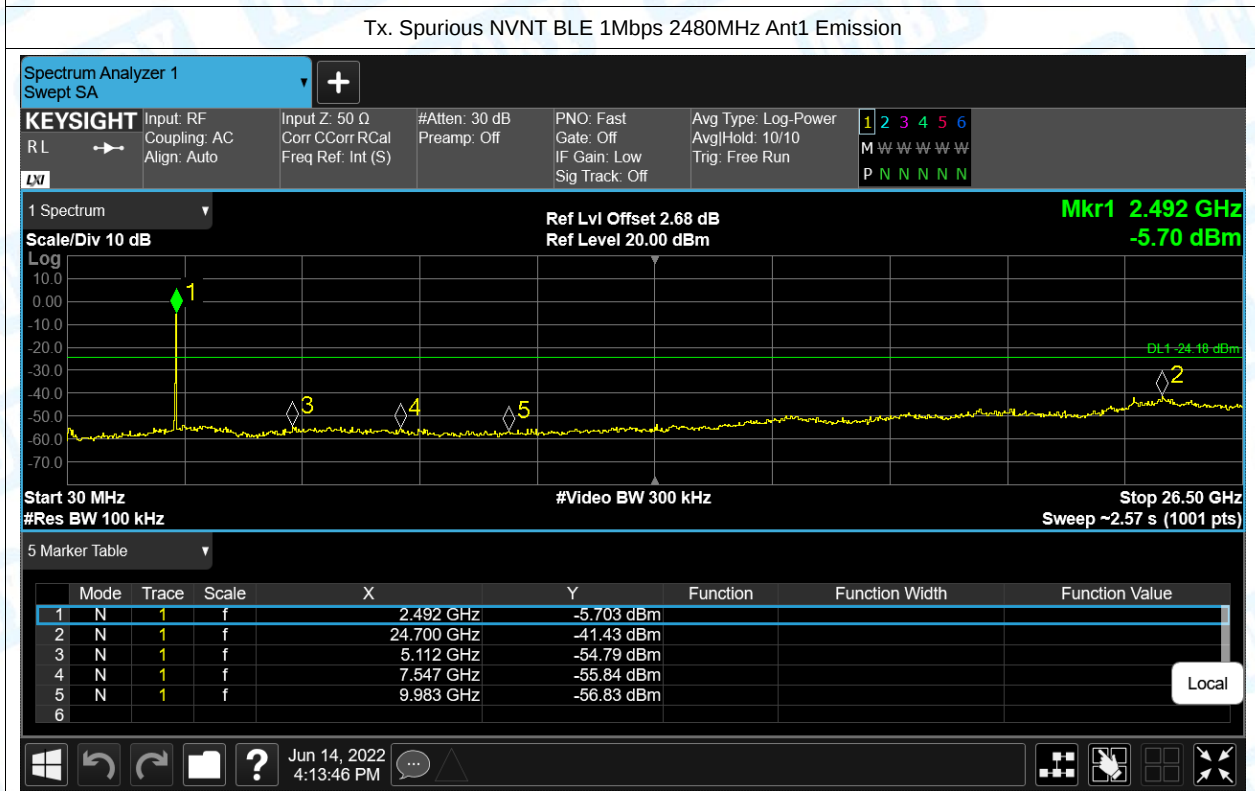
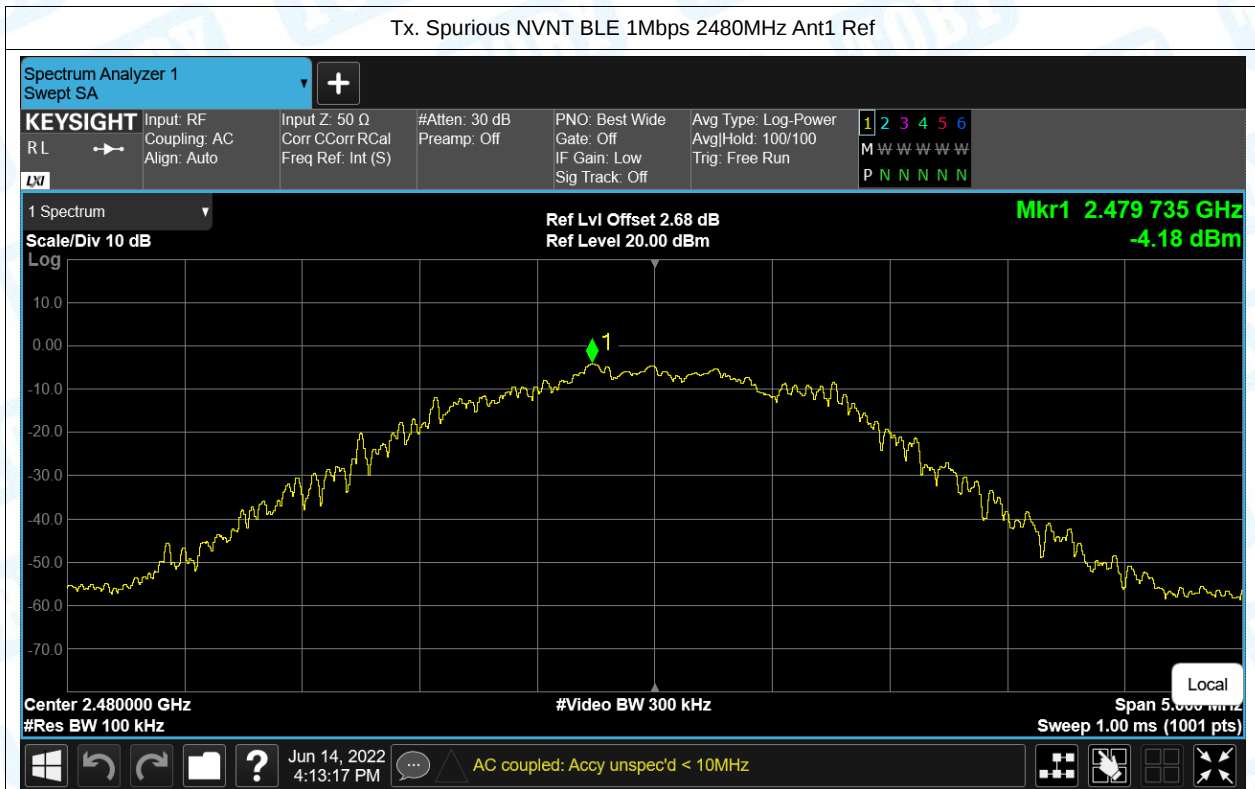


Conducted RF Spurious Emission

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

