

RF Test Data for 2.4G WiFi

(Conducted Measurements)

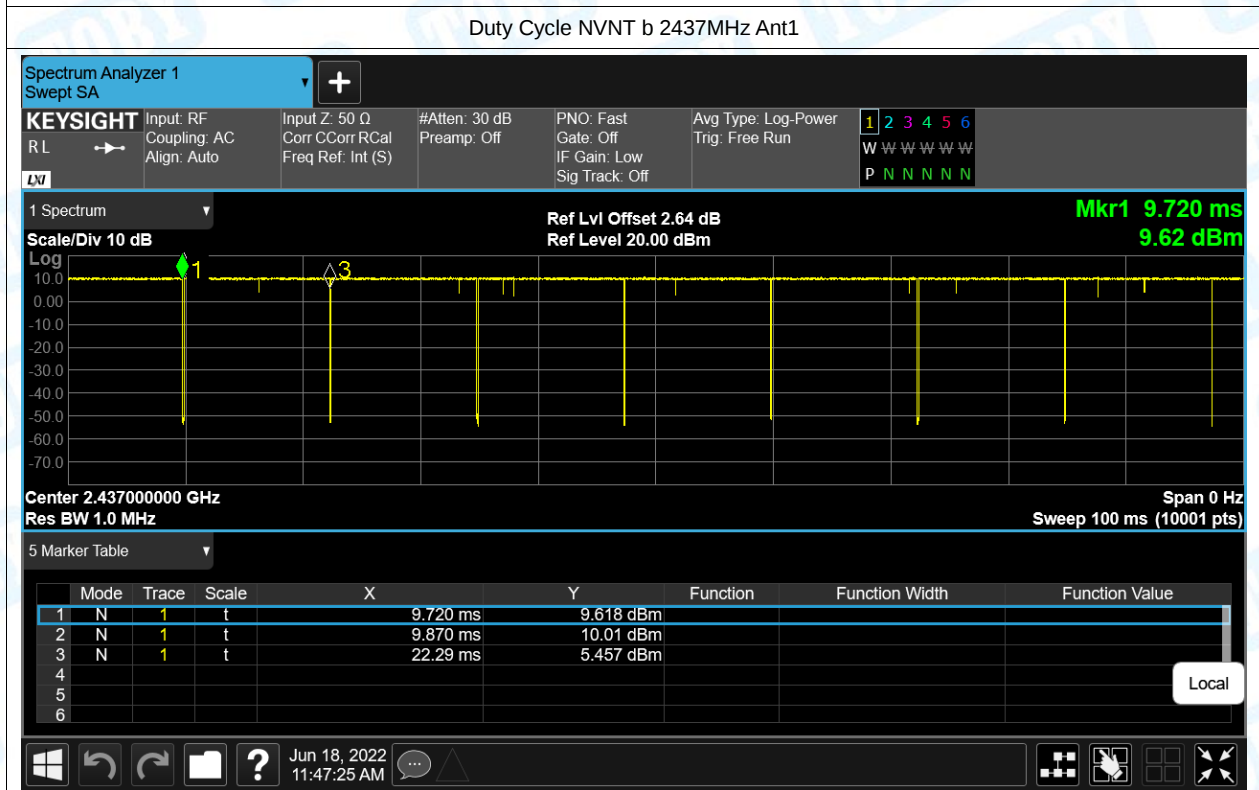
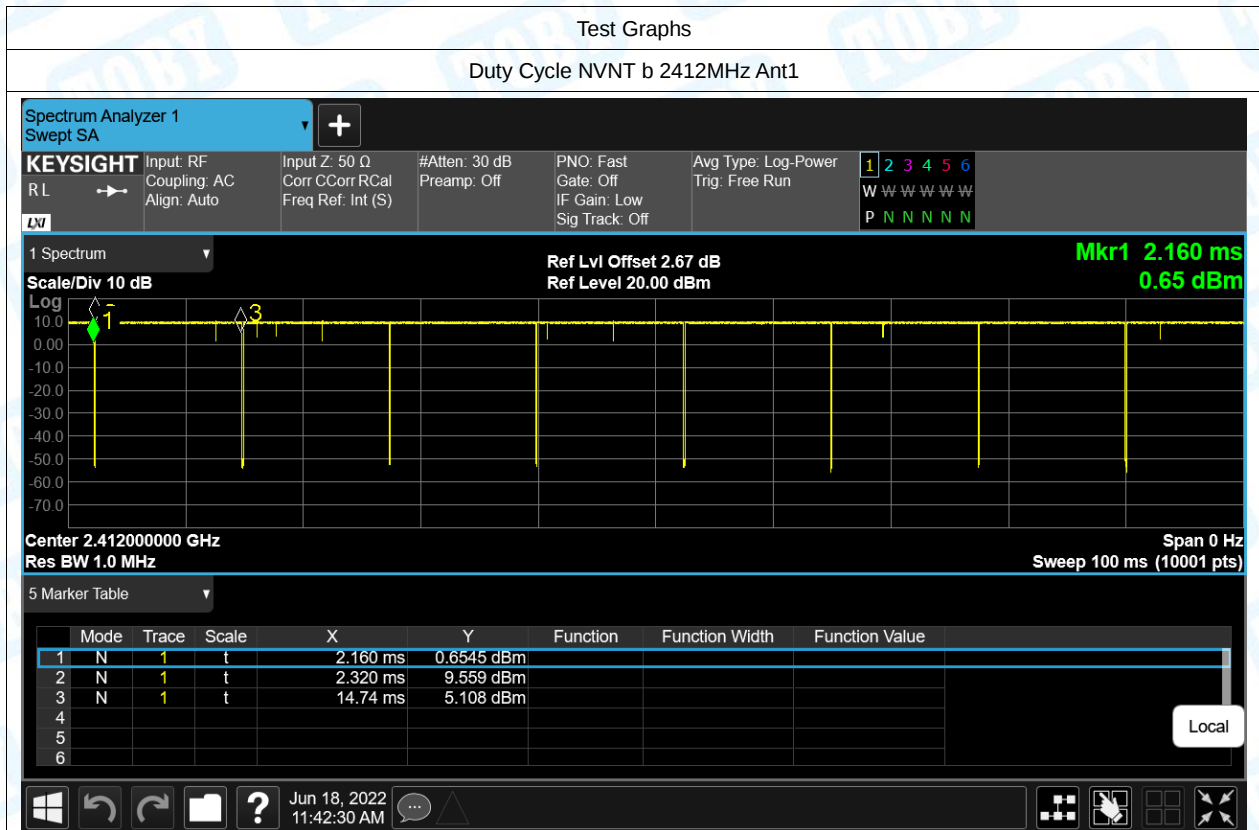
General Description of EUT	
Product Name:	Tablet PC
Test Model:	Q2S
Sample ID:	202204_0277-03-03-2
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 3.8V
Test Engineer:	Huangjianping
Note: For a more detailed features description, please refer to the report TBR-C-202204-0277-282	

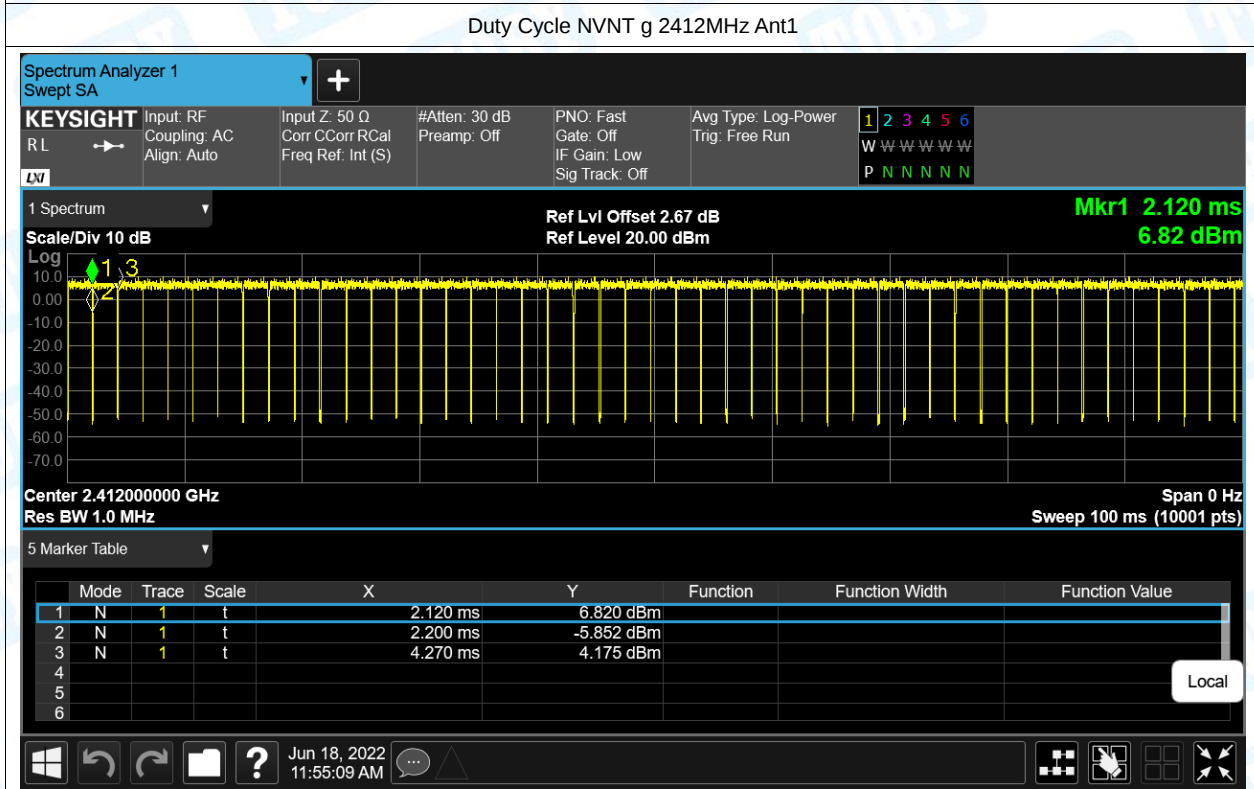
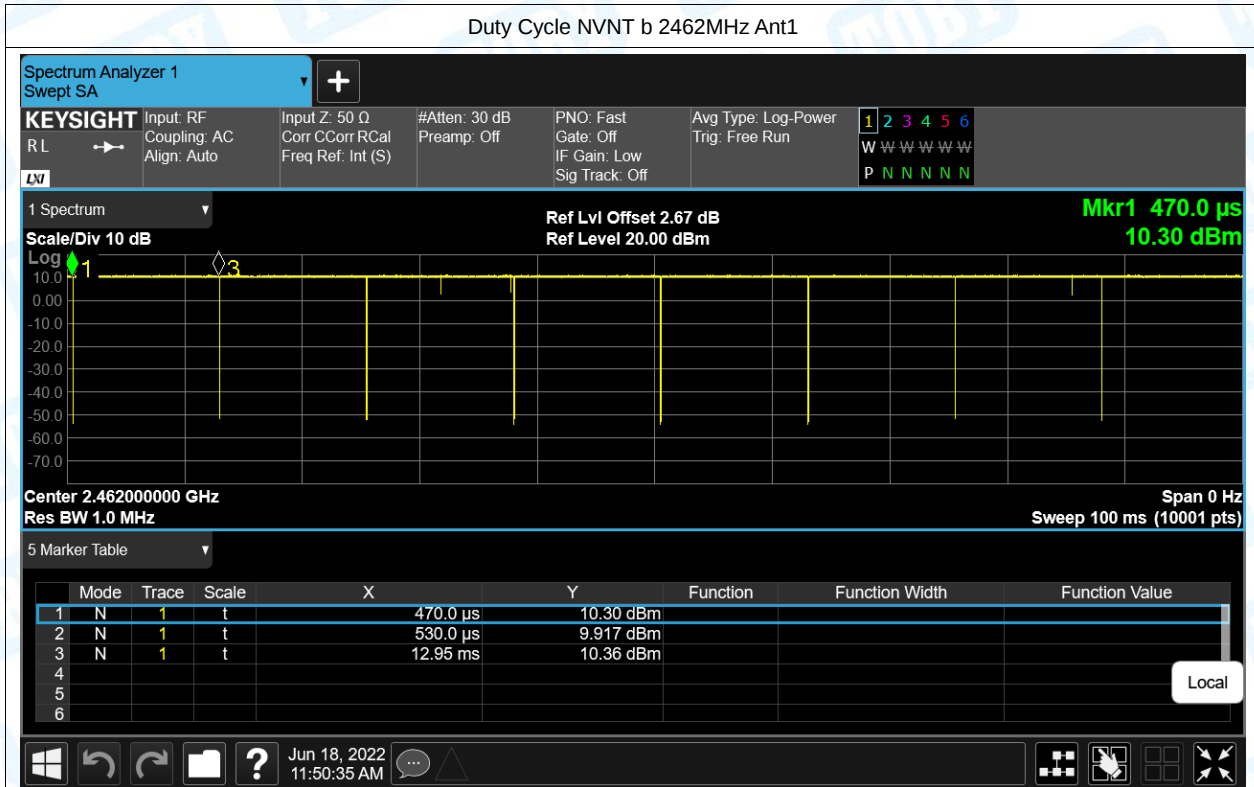
Contents

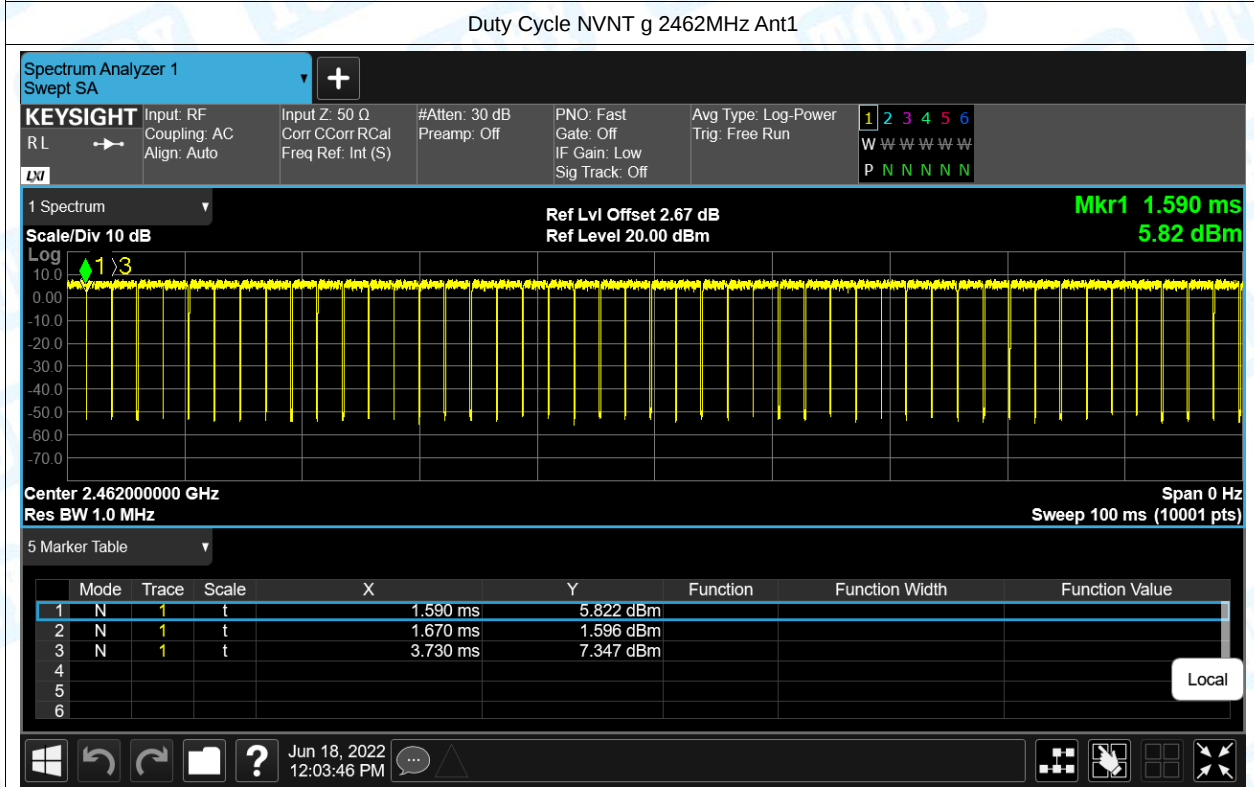
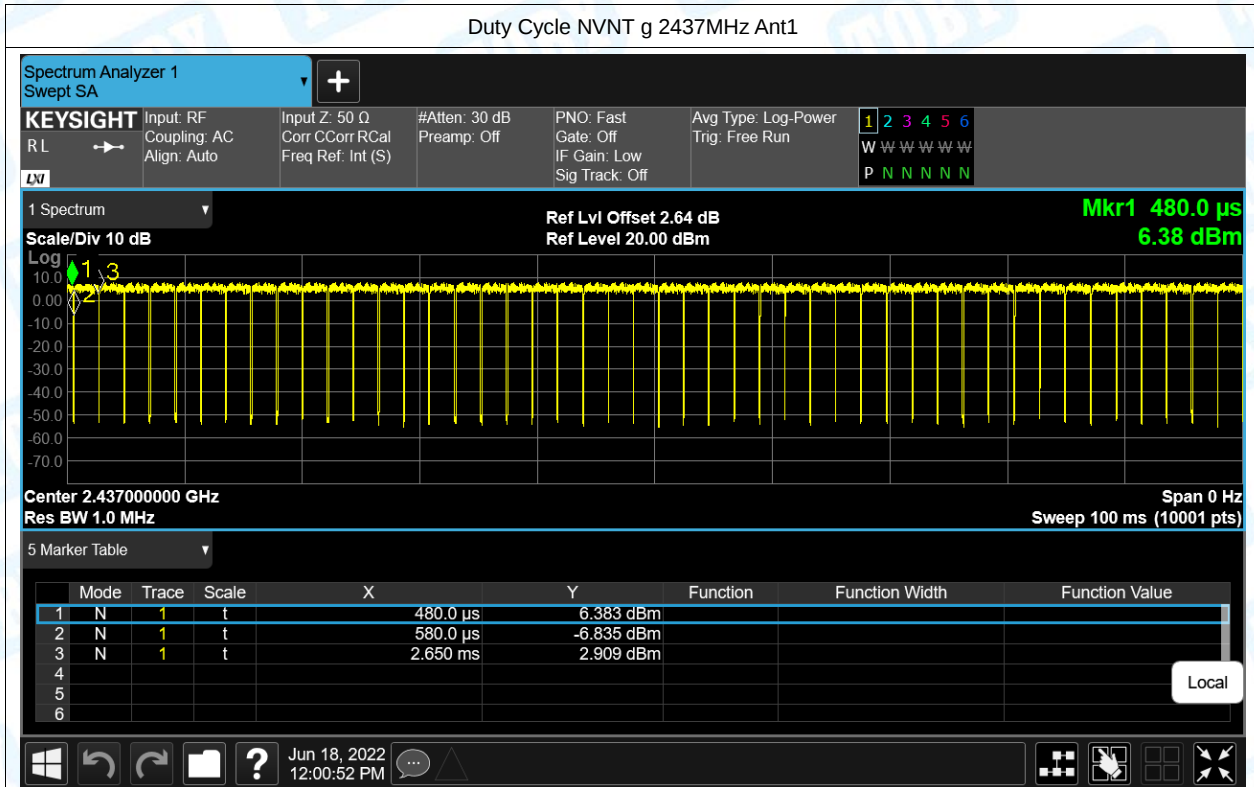
- 1. Duty Cycle3
- 2. Maximum Conducted Output Power10
- 3. -6dB Bandwidth11
- 4. Occupied Channel Bandwidth18
- 5. Maximum Power Spectral Density Level25
- 6. Band Edge32
- 7. Conducted RF Spurious Emission41
- 8. Restrict Band54

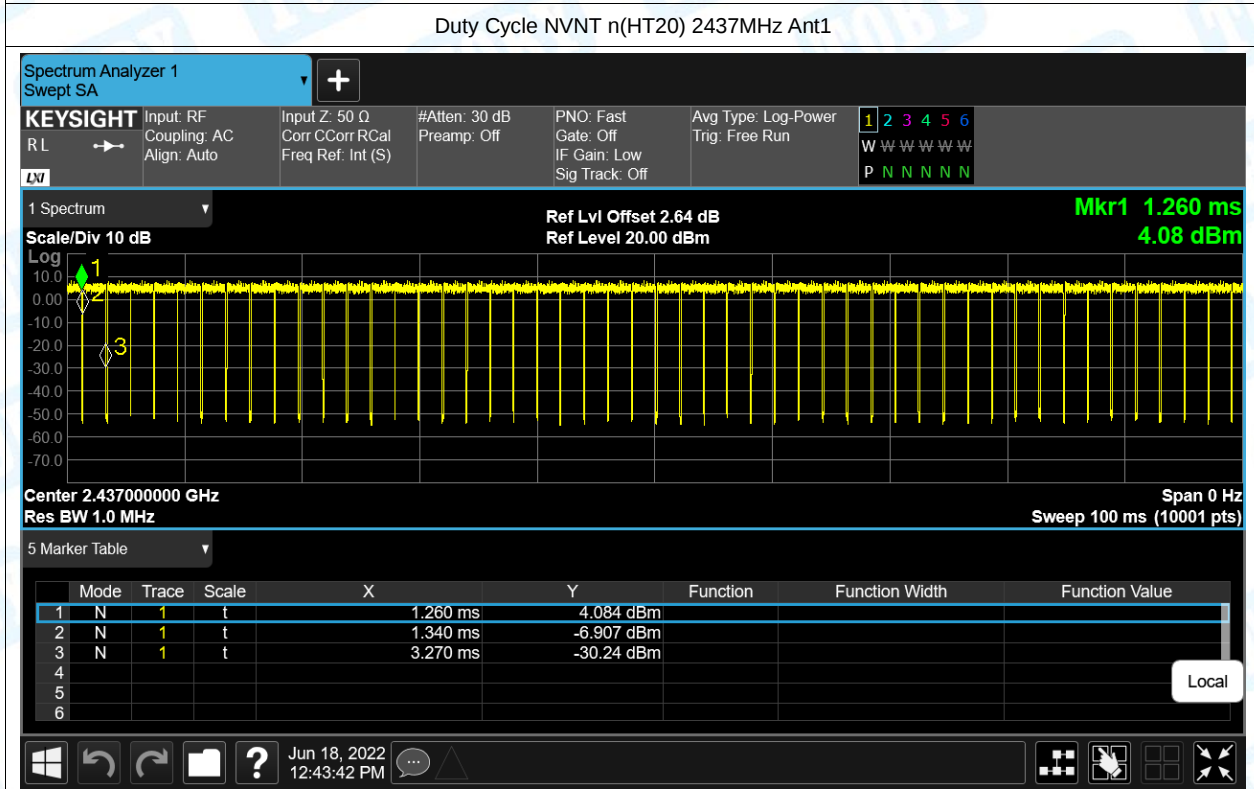
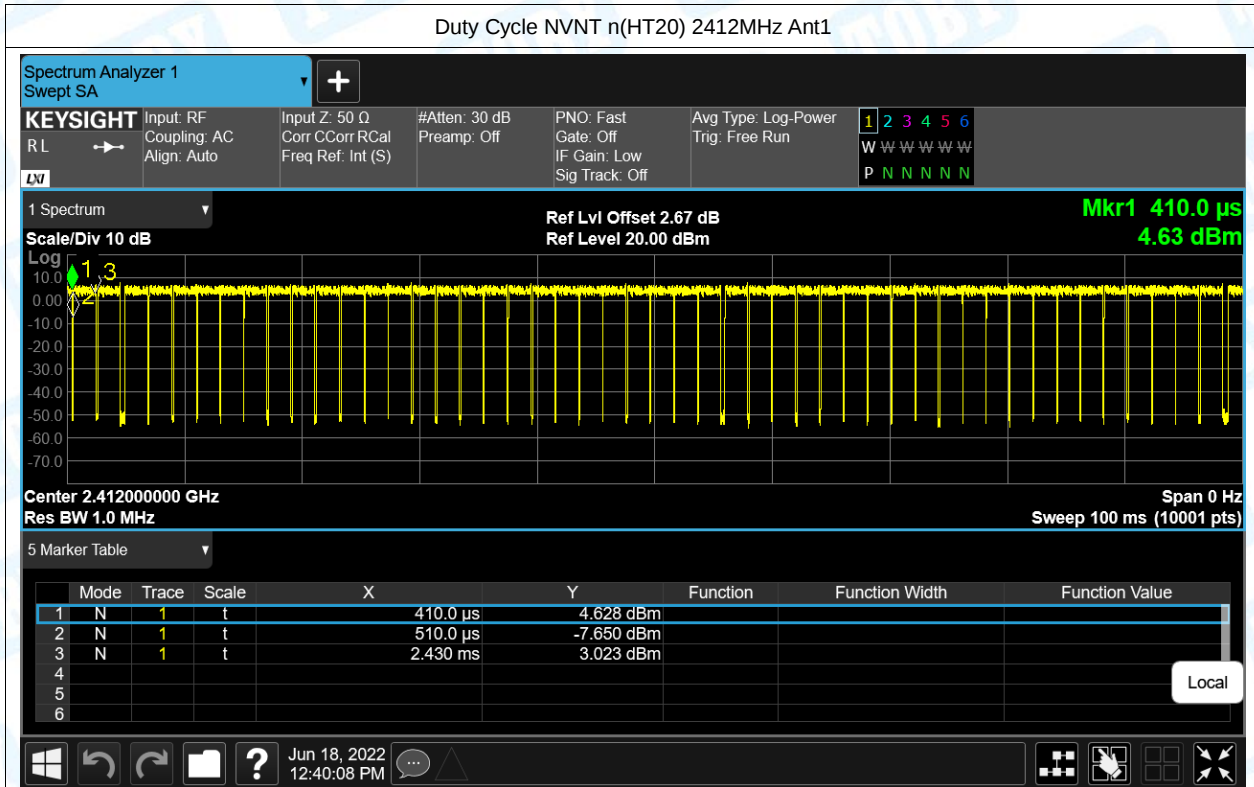
1. Duty Cycle

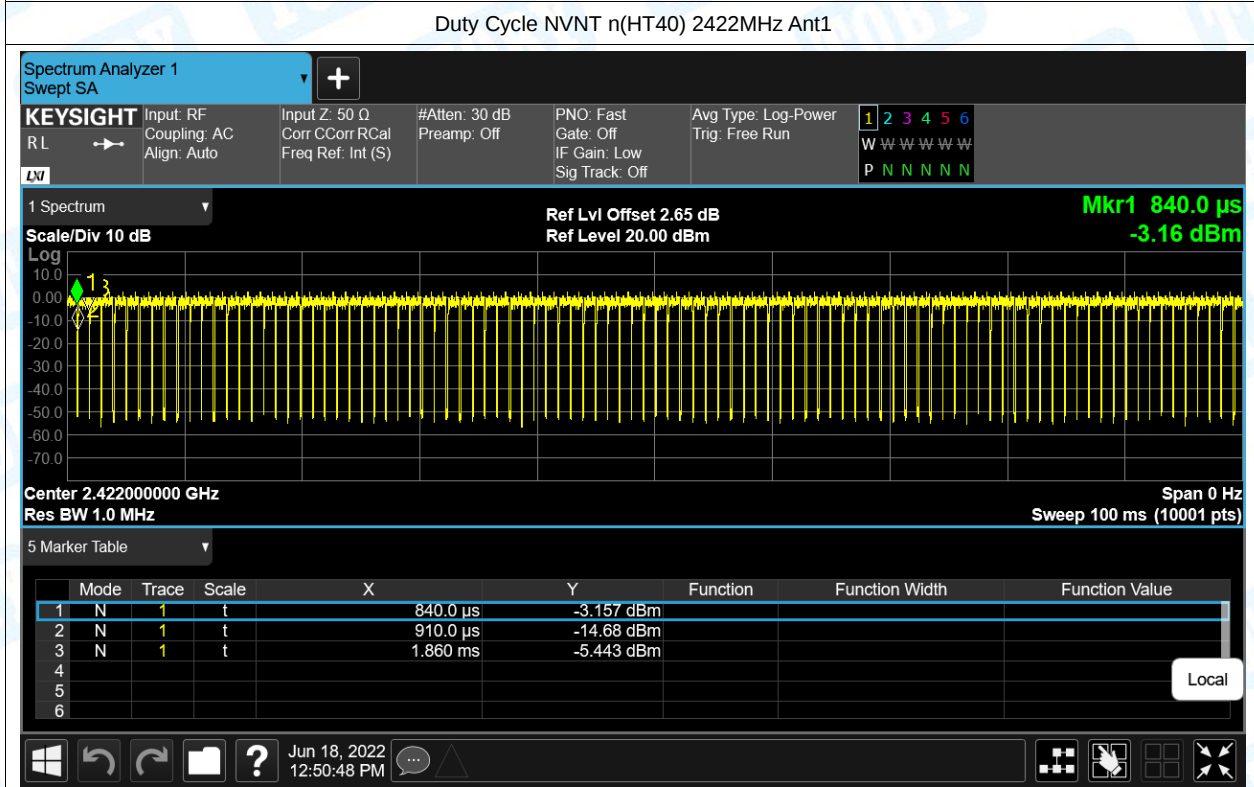
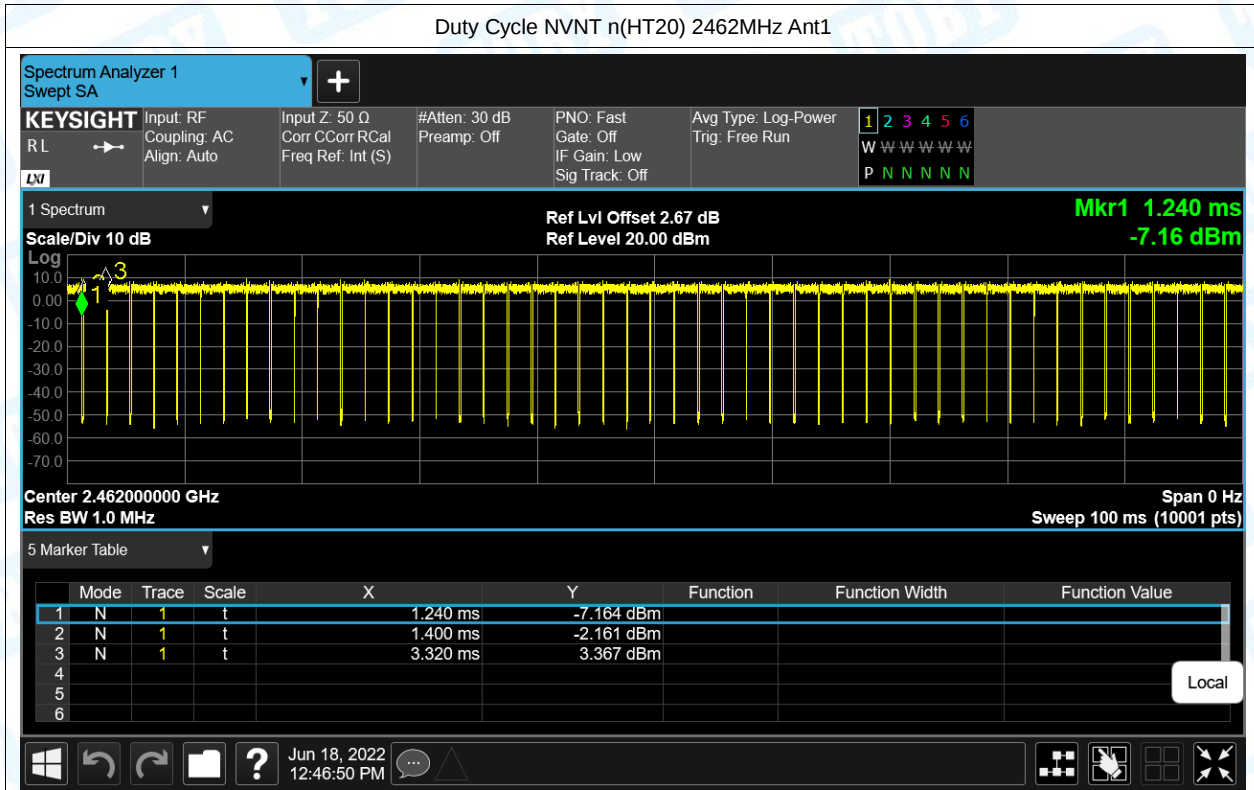
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.13	0.04	0.01
NVNT	b	2437	Ant1	99.39	0.03	0.01
NVNT	b	2462	Ant1	99.46	0.02	0.01
NVNT	g	2412	Ant1	96.19	0.17	0.48
NVNT	g	2437	Ant1	95.94	0.18	0.48
NVNT	g	2462	Ant1	95.15	0.22	0.49
NVNT	n(HT20)	2412	Ant1	94.32	0.25	0.52
NVNT	n(HT20)	2437	Ant1	94.87	0.23	0.52
NVNT	n(HT20)	2462	Ant1	95.38	0.21	0.52
NVNT	n(HT40)	2422	Ant1	91.34	0.39	1.05
NVNT	n(HT40)	2437	Ant1	90.67	0.43	1.06
NVNT	n(HT40)	2452	Ant1	91.25	0.4	1.06

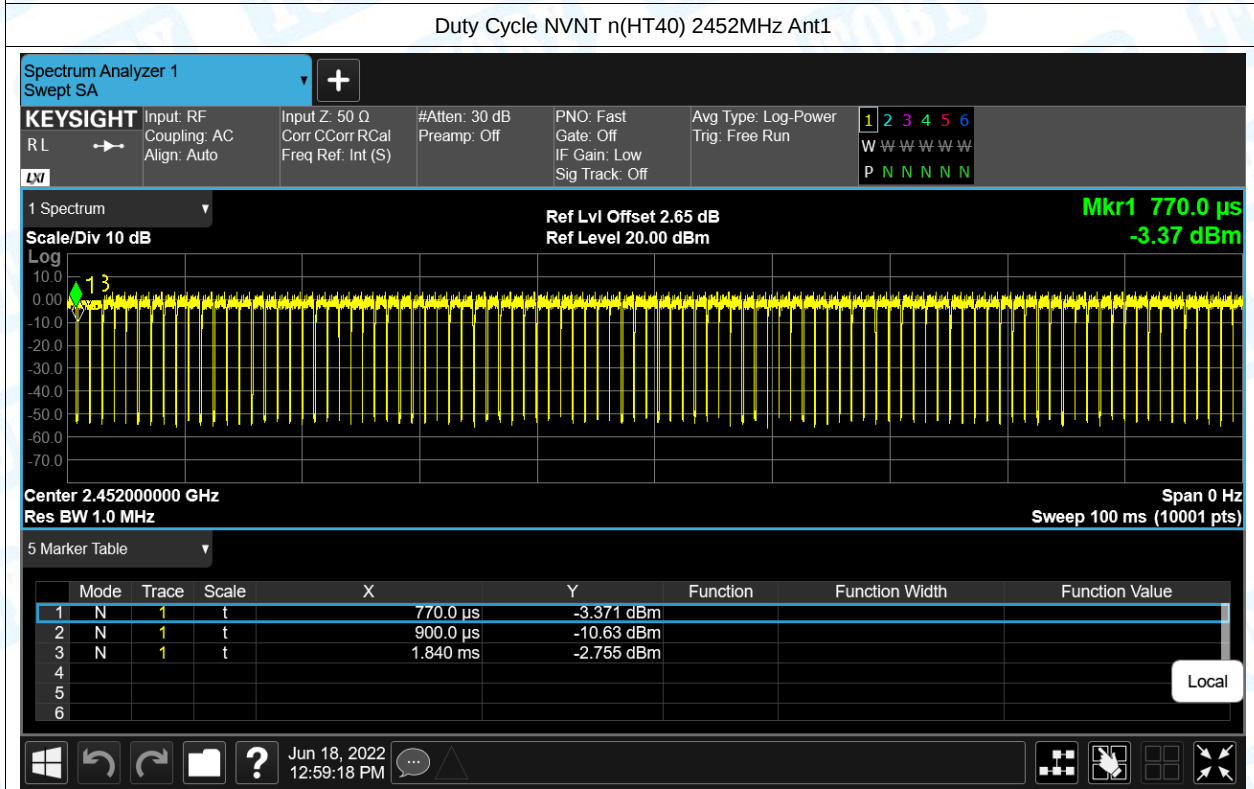
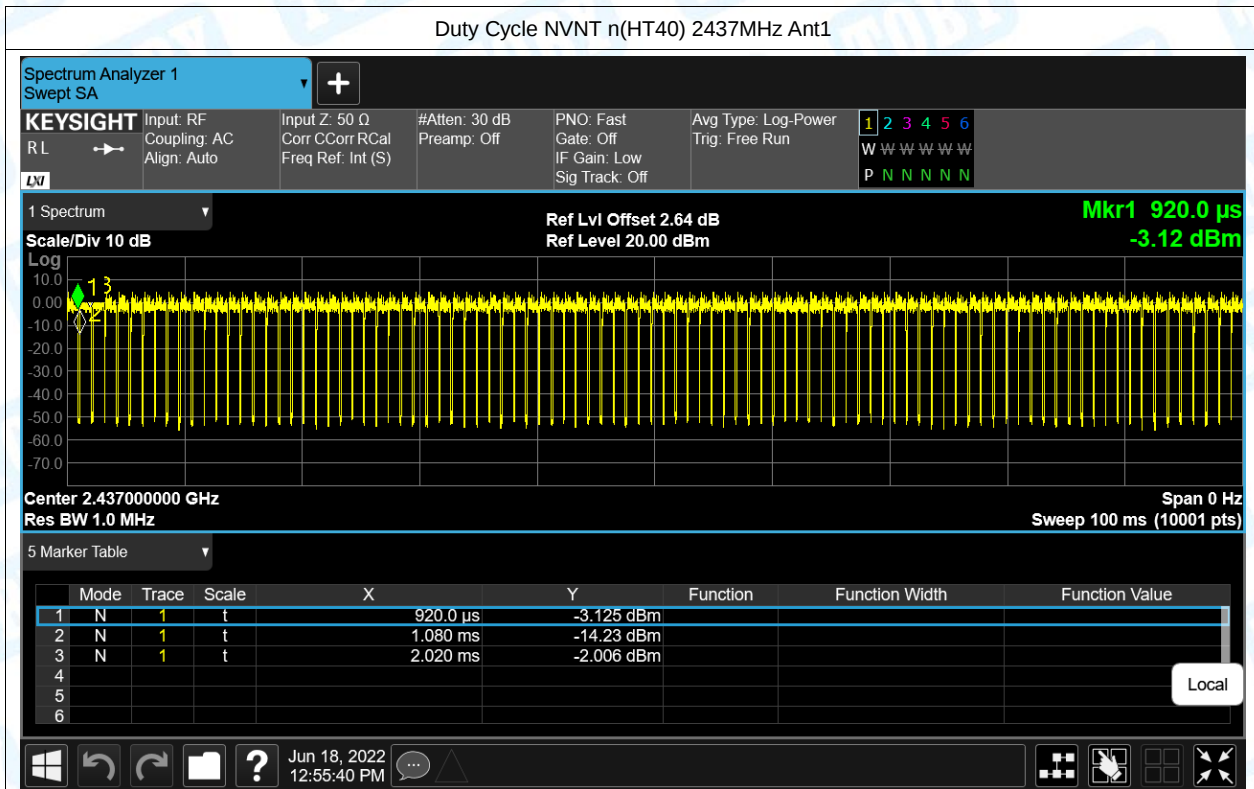










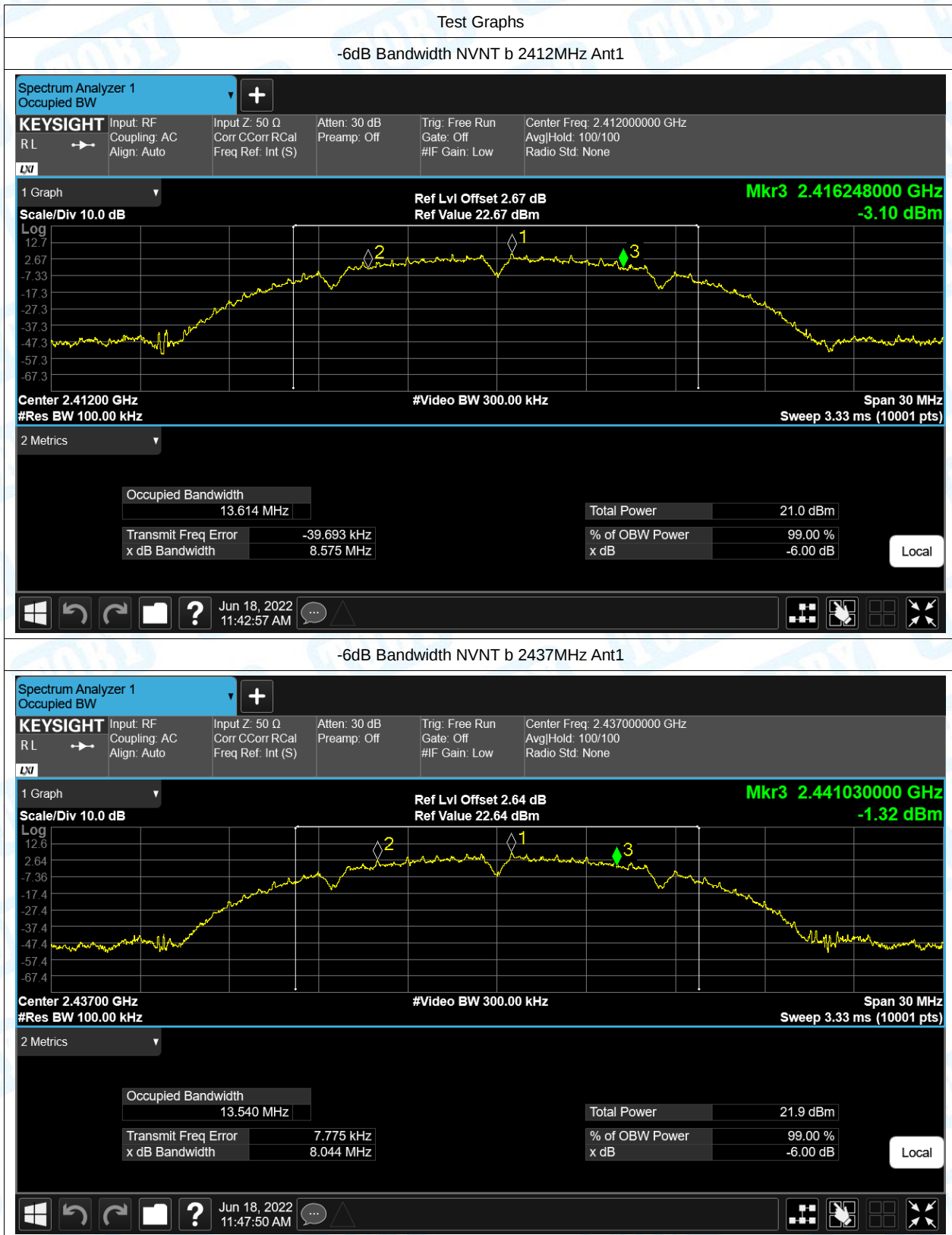


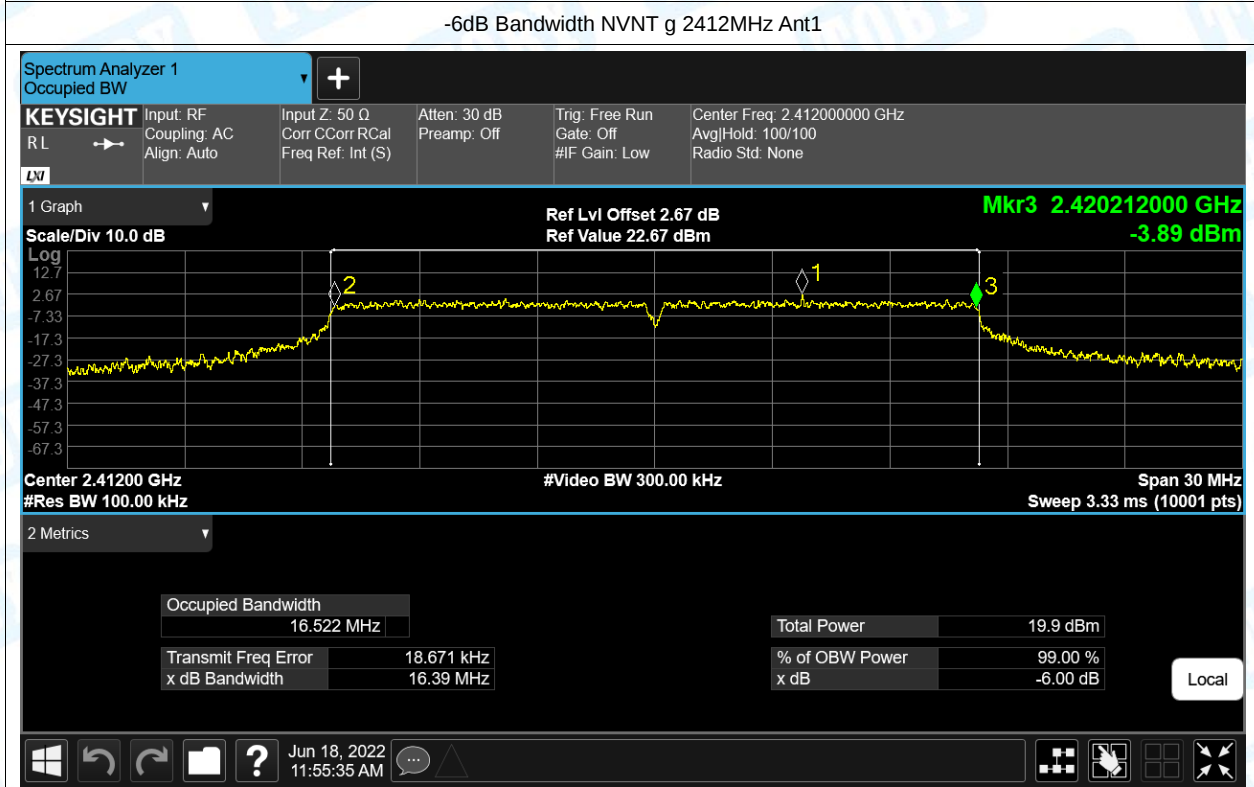
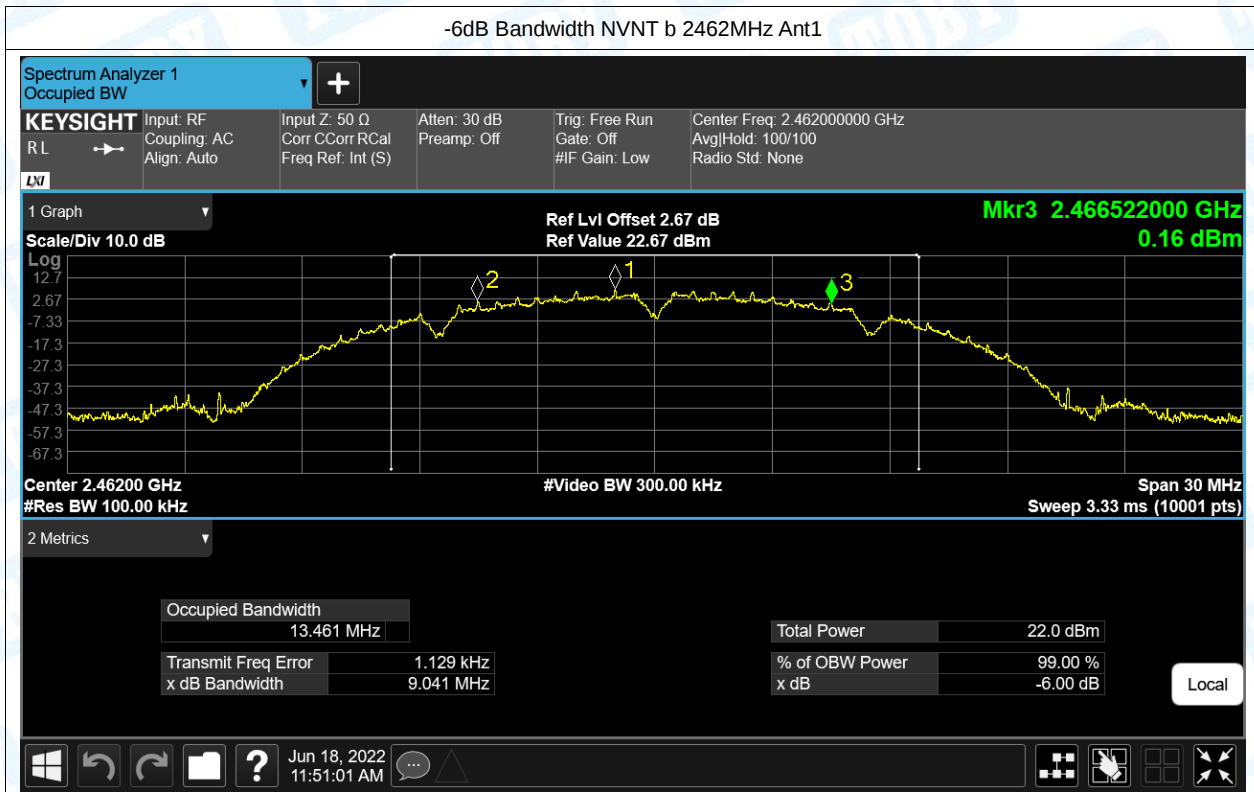
2. Maximum Conducted Output Power

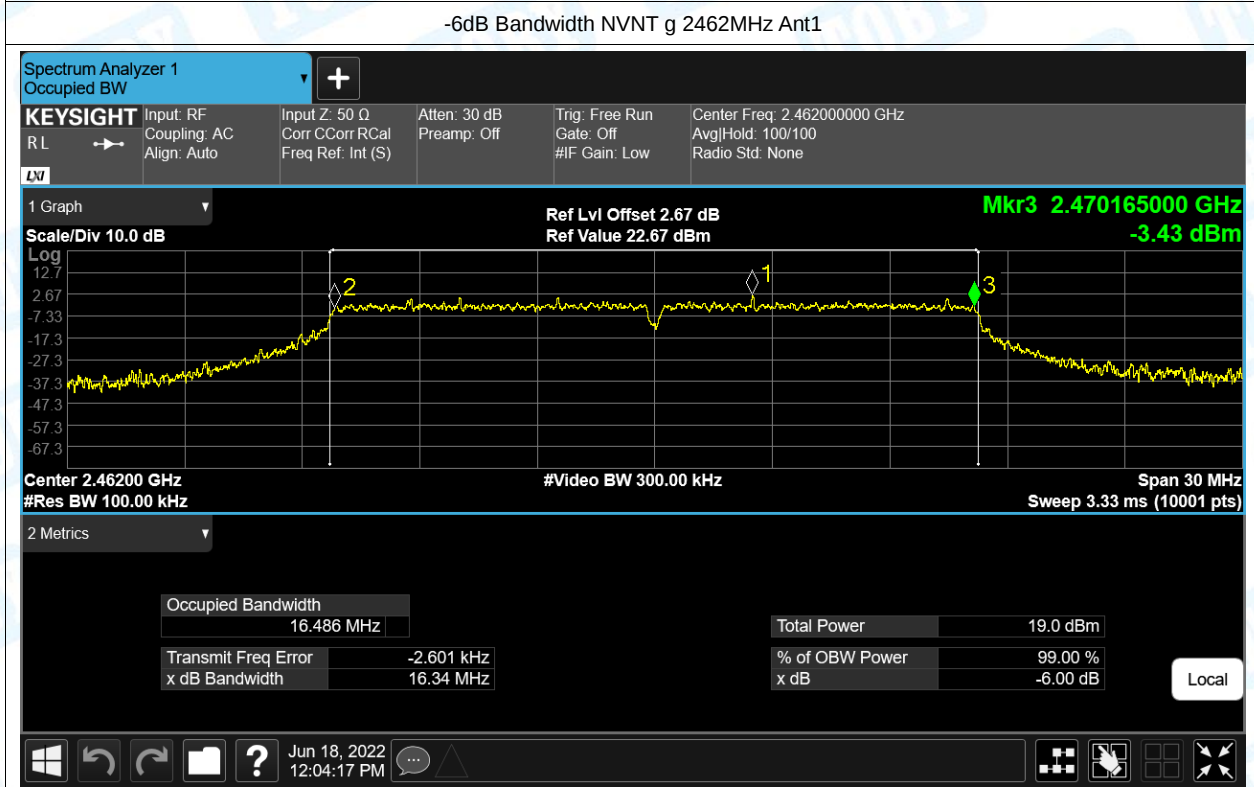
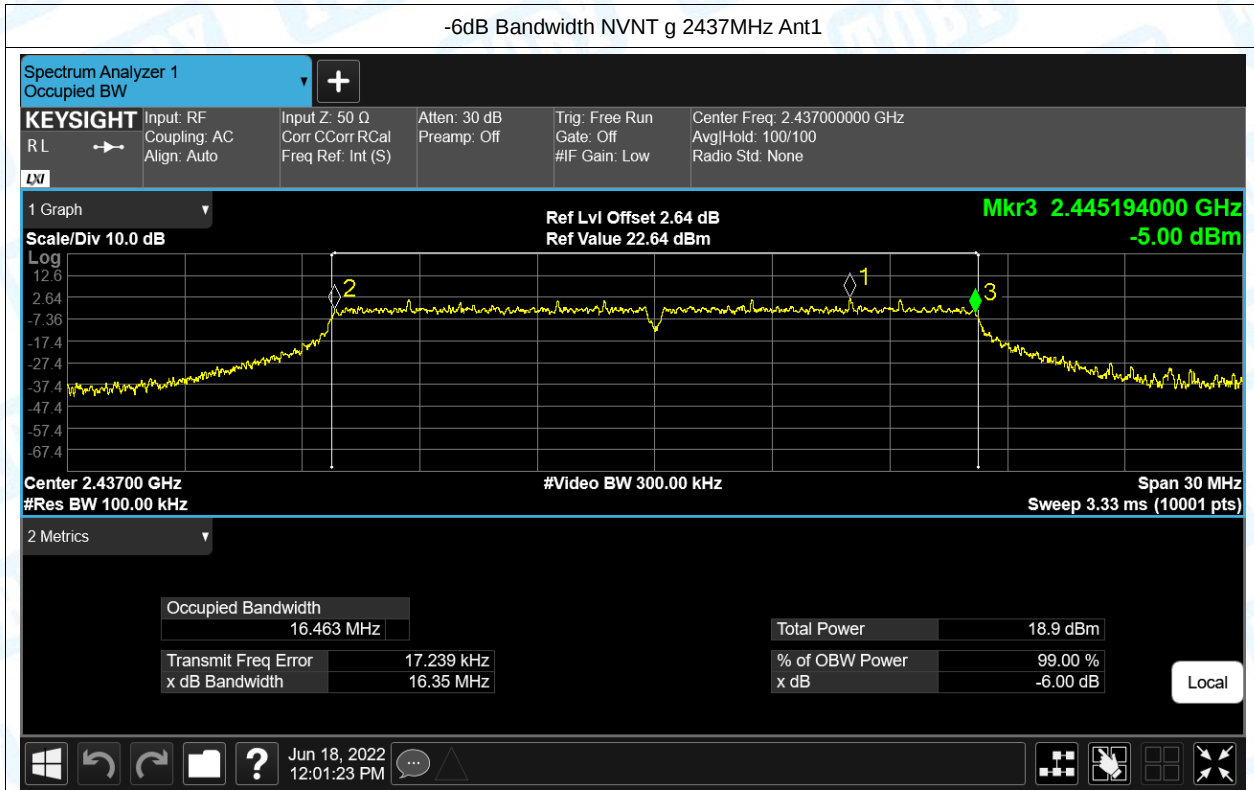
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	2.066	30	Pass
NVNT	b	2437	Ant1	2.441	30	Pass
NVNT	b	2462	Ant1	2.538	30	Pass
NVNT	g	2412	Ant1	1.773	30	Pass
NVNT	g	2437	Ant1	2.066	30	Pass
NVNT	g	2462	Ant1	2.481	30	Pass
NVNT	n(HT20)	2412	Ant1	1.79	30	Pass
NVNT	n(HT20)	2437	Ant1	2.405	30	Pass
NVNT	n(HT20)	2462	Ant1	1.573	30	Pass
NVNT	n(HT40)	2422	Ant1	2.51	30	Pass
NVNT	n(HT40)	2437	Ant1	2.278	30	Pass
NVNT	n(HT40)	2452	Ant1	1.636	30	Pass

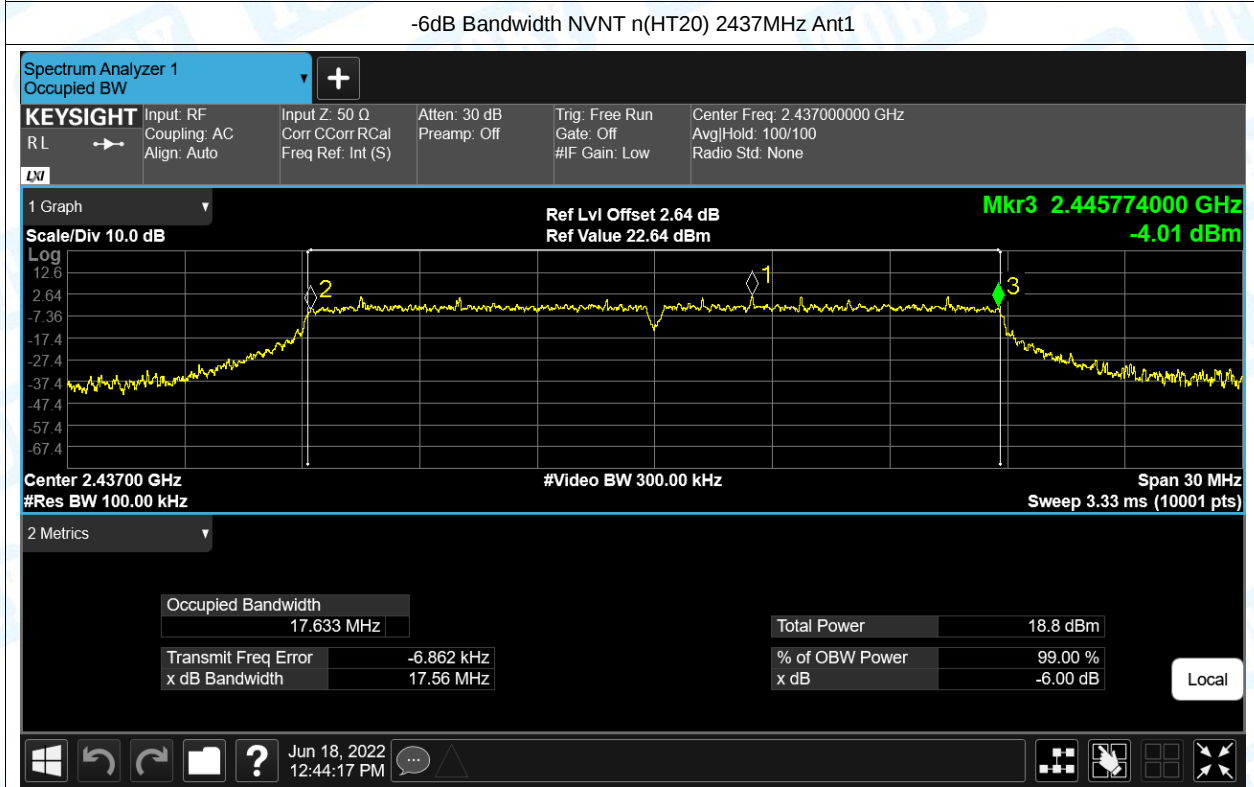
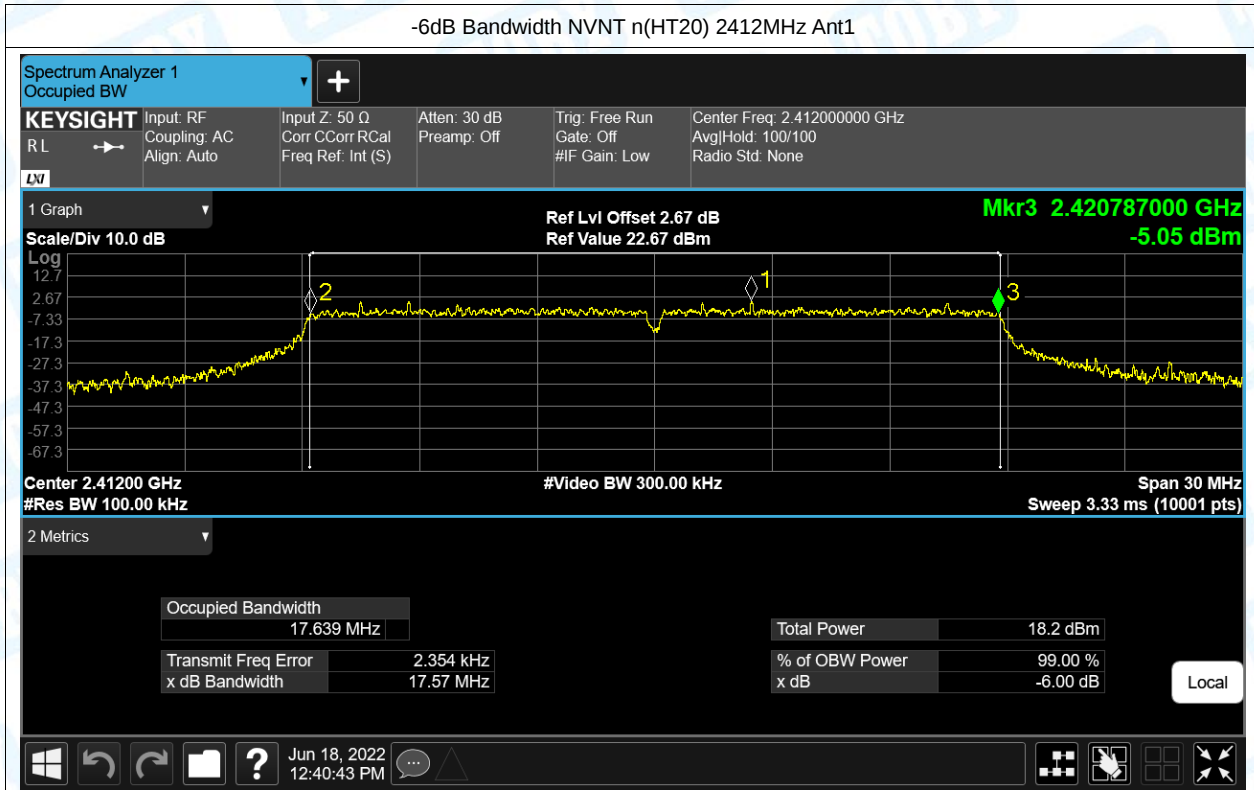
3. -6dB Bandwidth

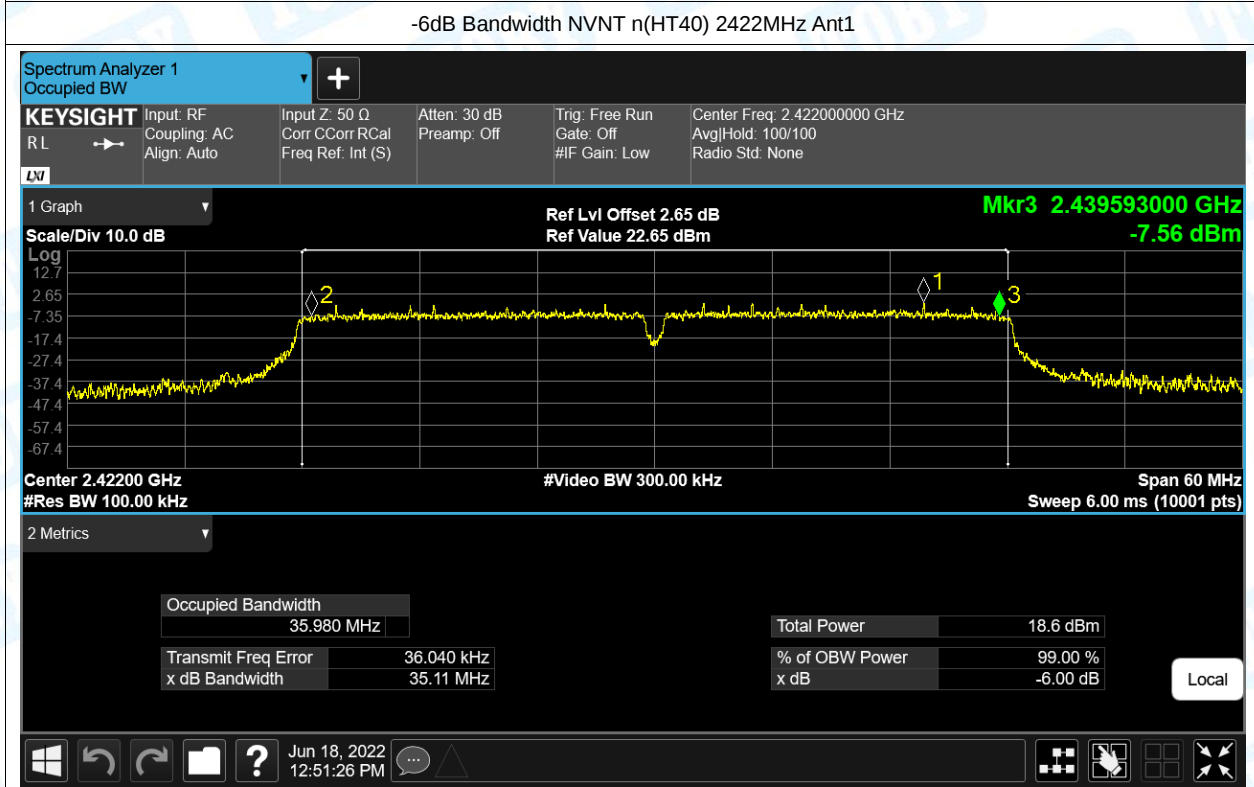
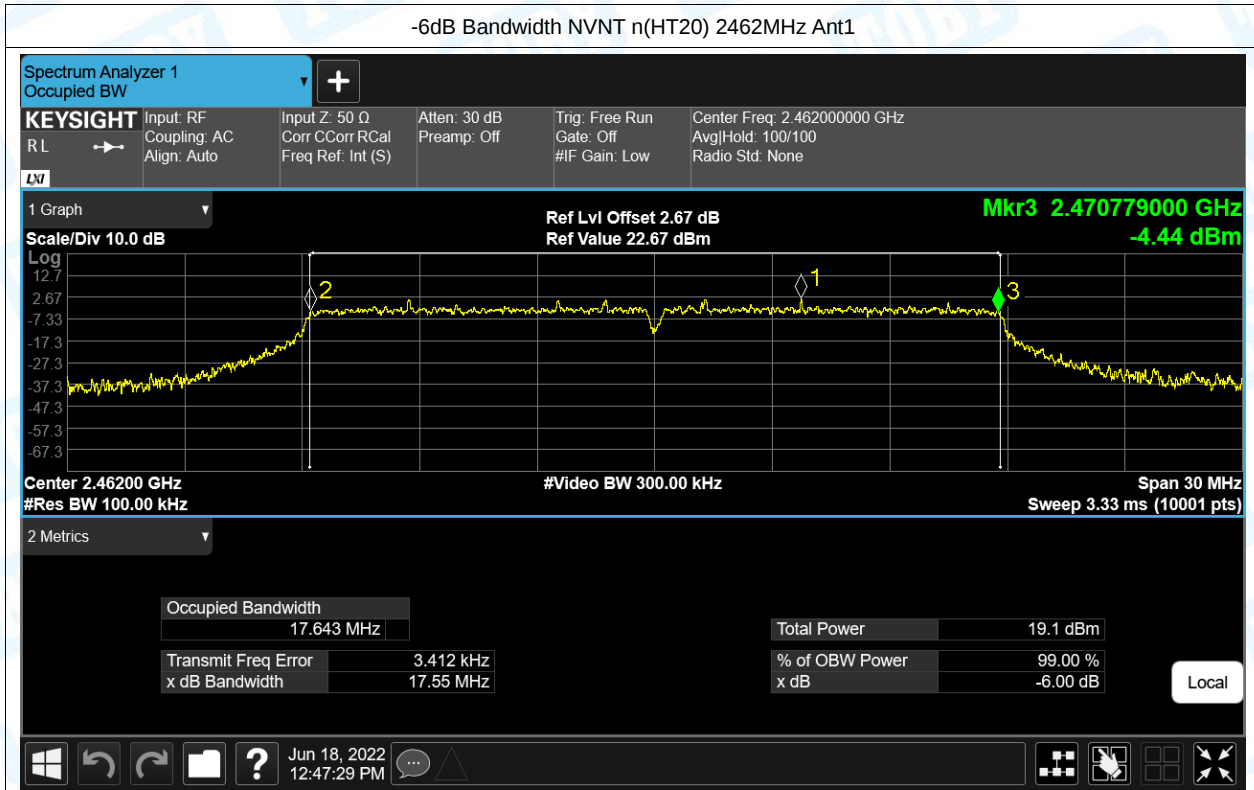
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.58	0.5	Pass
NVNT	b	2437	Ant1	8.04	0.5	Pass
NVNT	b	2462	Ant1	9.04	0.5	Pass
NVNT	g	2412	Ant1	16.39	0.5	Pass
NVNT	g	2437	Ant1	16.35	0.5	Pass
NVNT	g	2462	Ant1	16.34	0.5	Pass
NVNT	n(HT20)	2412	Ant1	17.57	0.5	Pass
NVNT	n(HT20)	2437	Ant1	17.56	0.5	Pass
NVNT	n(HT20)	2462	Ant1	17.55	0.5	Pass
NVNT	n(HT40)	2422	Ant1	35.11	0.5	Pass
NVNT	n(HT40)	2437	Ant1	35.59	0.5	Pass
NVNT	n(HT40)	2452	Ant1	35.17	0.5	Pass

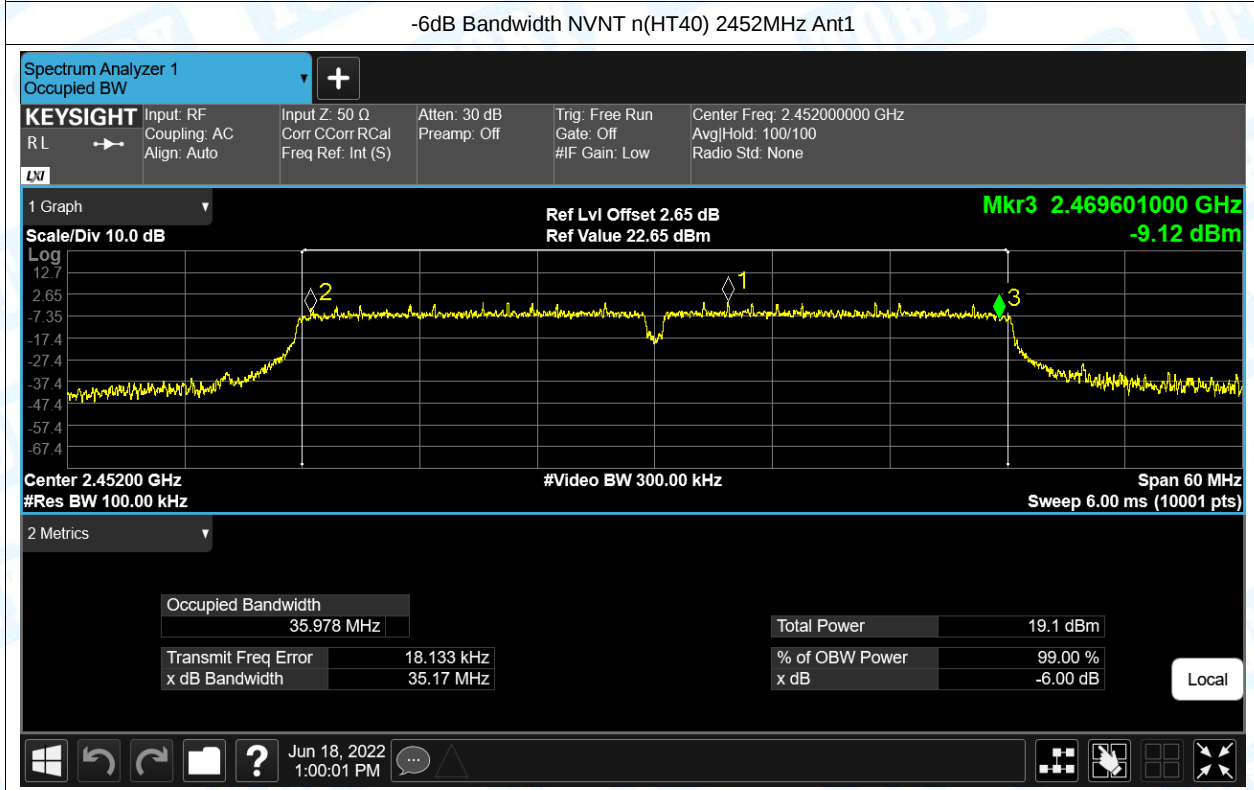
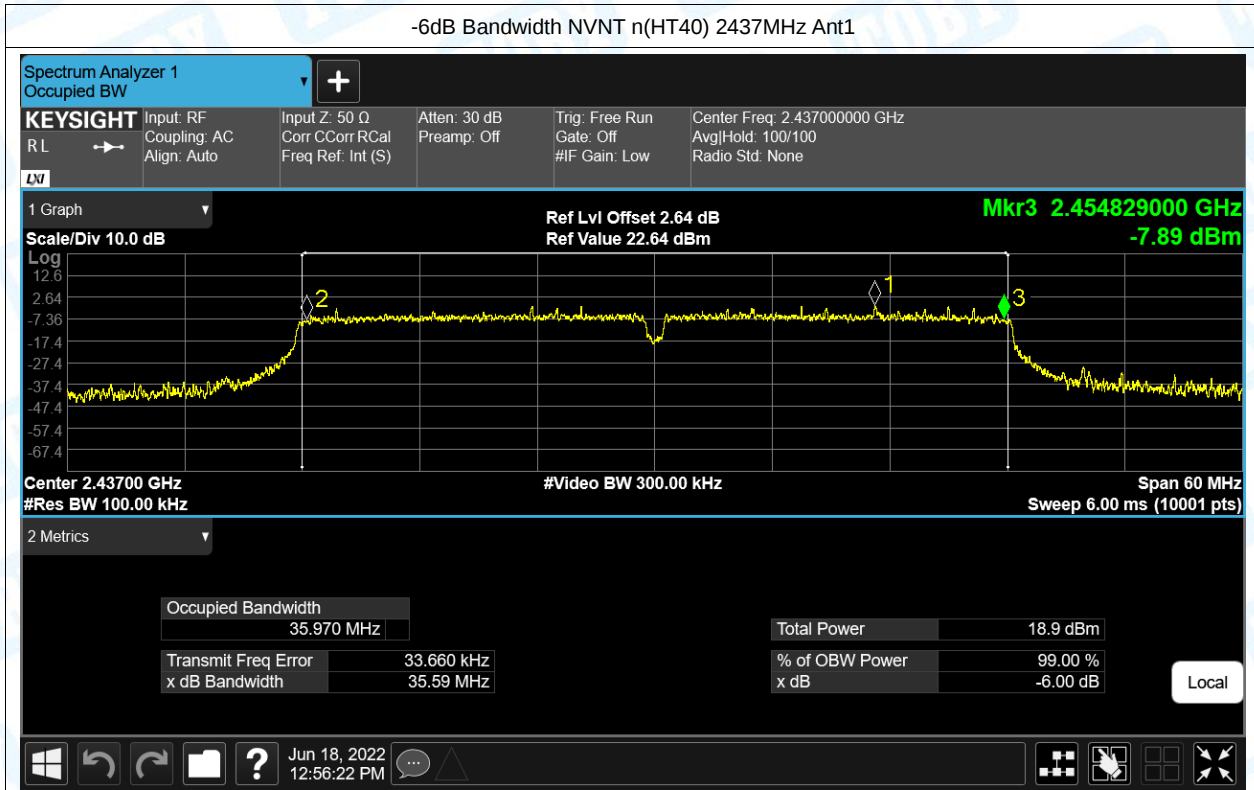










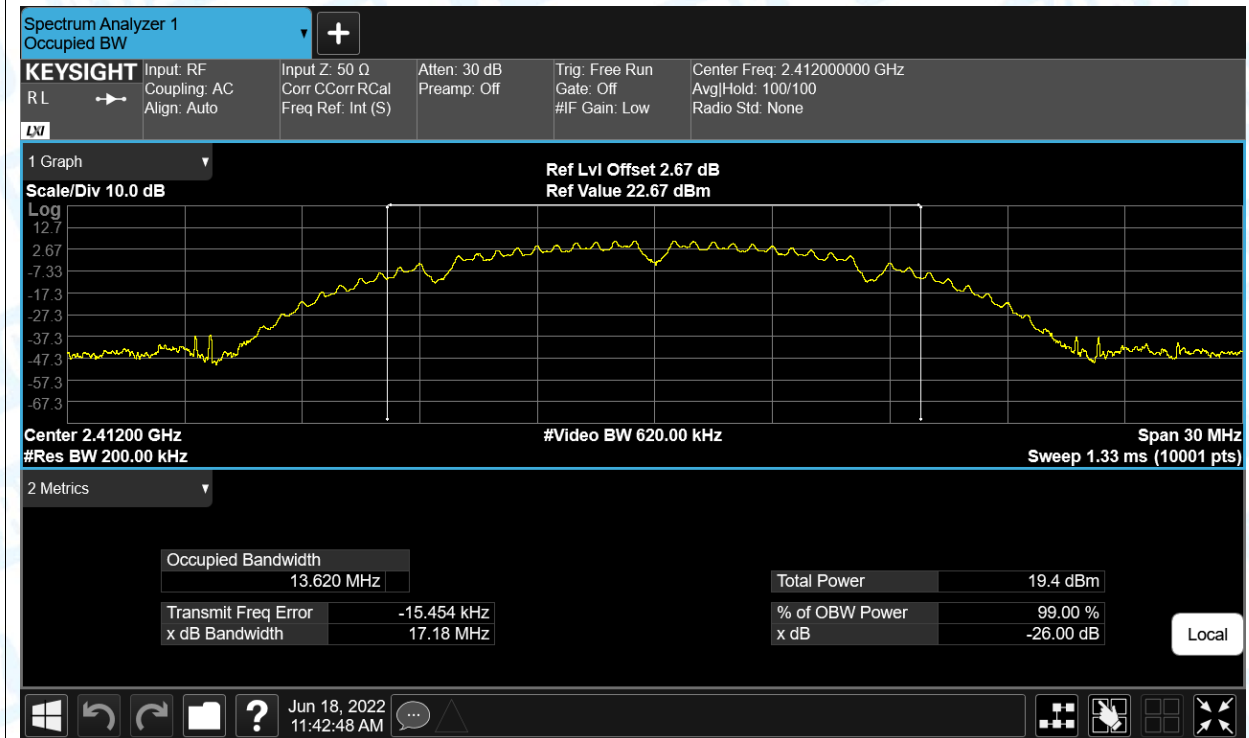


4. Occupied Channel Bandwidth

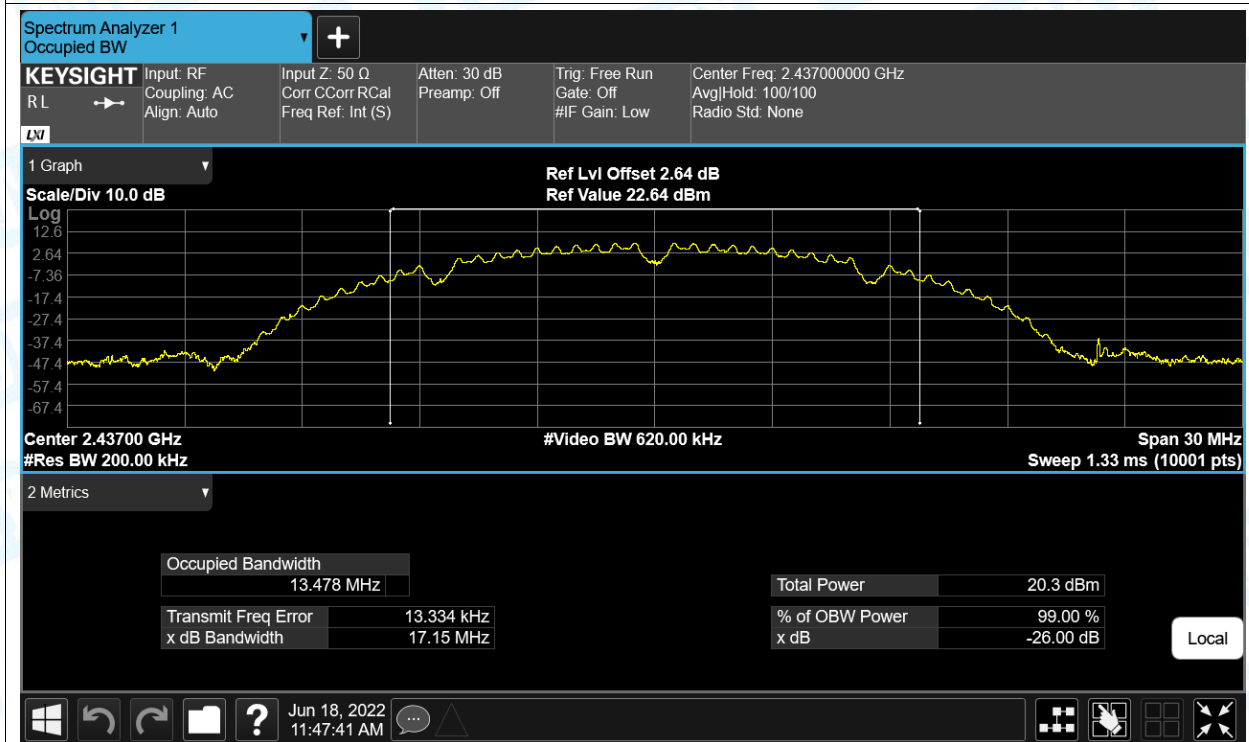
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	13.62
NVNT	b	2437	Ant1	13.478
NVNT	b	2462	Ant1	13.473
NVNT	g	2412	Ant1	16.706
NVNT	g	2437	Ant1	16.636
NVNT	g	2462	Ant1	16.605
NVNT	n(HT20)	2412	Ant1	17.704
NVNT	n(HT20)	2437	Ant1	17.683
NVNT	n(HT20)	2462	Ant1	17.714
NVNT	n(HT40)	2422	Ant1	36.075
NVNT	n(HT40)	2437	Ant1	36.089
NVNT	n(HT40)	2452	Ant1	36.118

Test Graphs

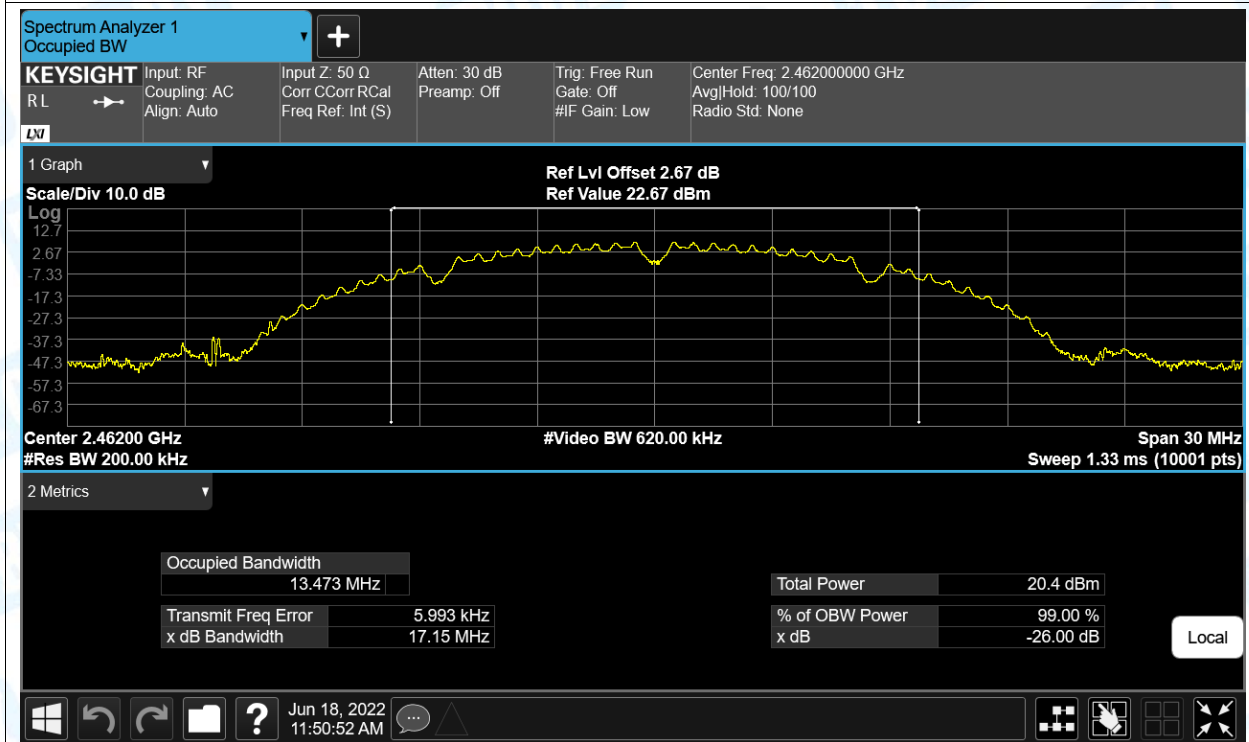
OBW NVNT b 2412MHz Ant1



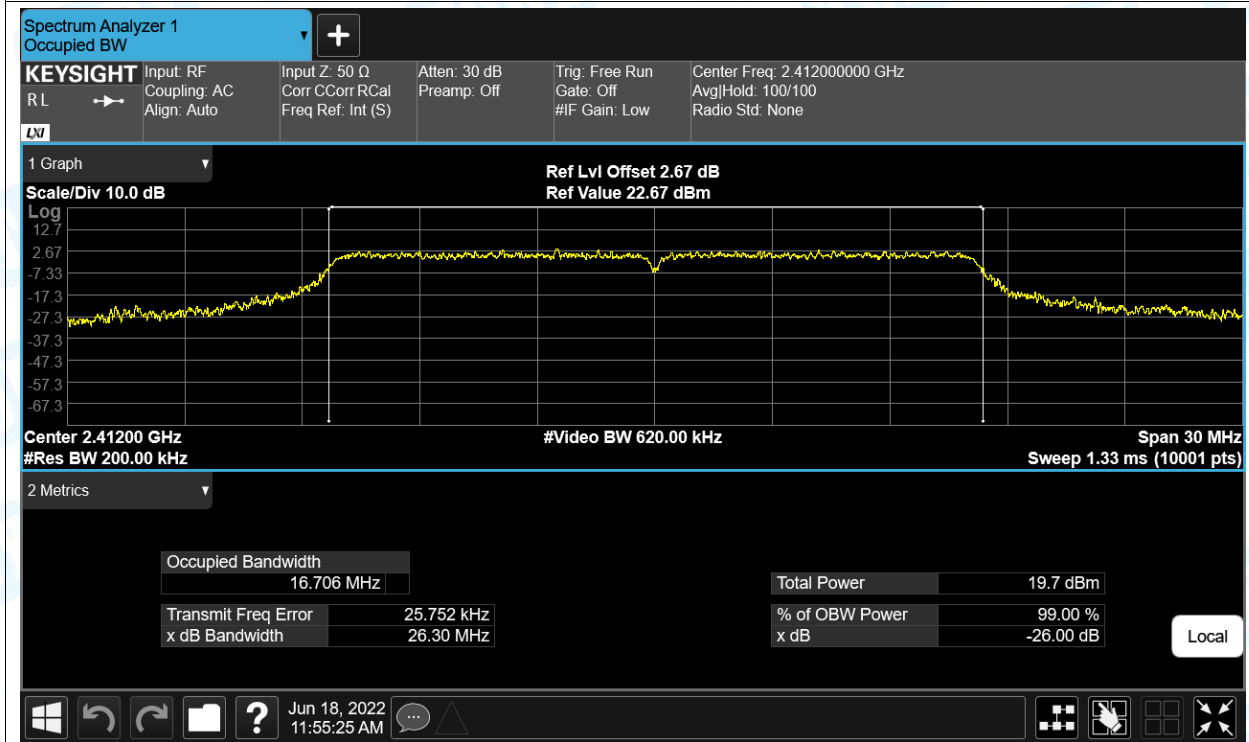
OBW NVNT b 2437MHz Ant1

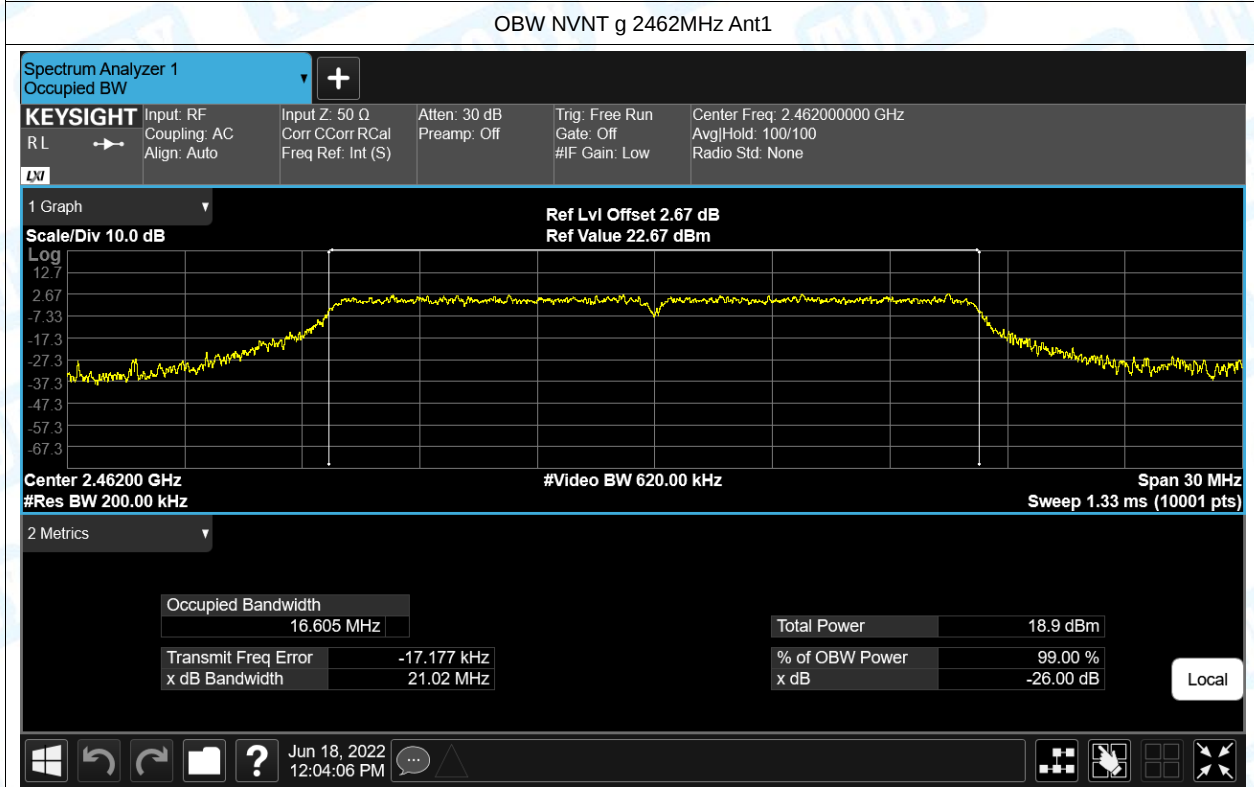


OBW NVNT b 2462MHz Ant1

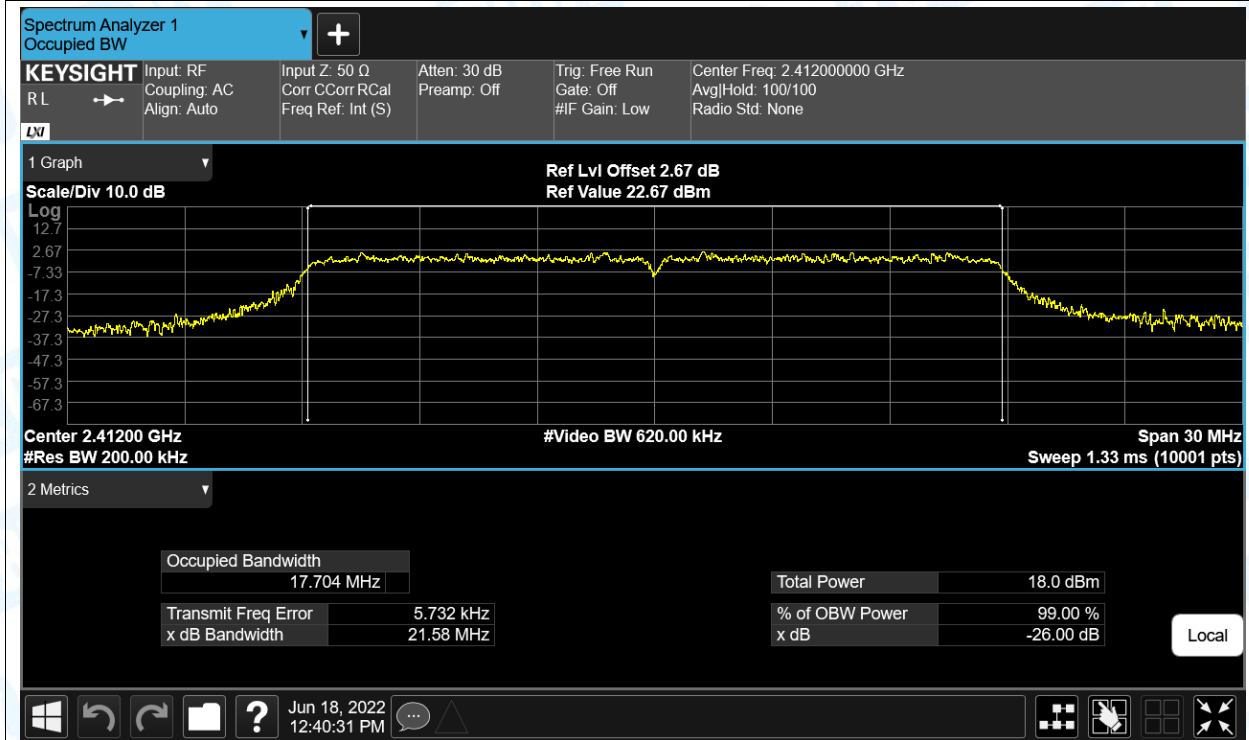


OBW NVNT g 2412MHz Ant1

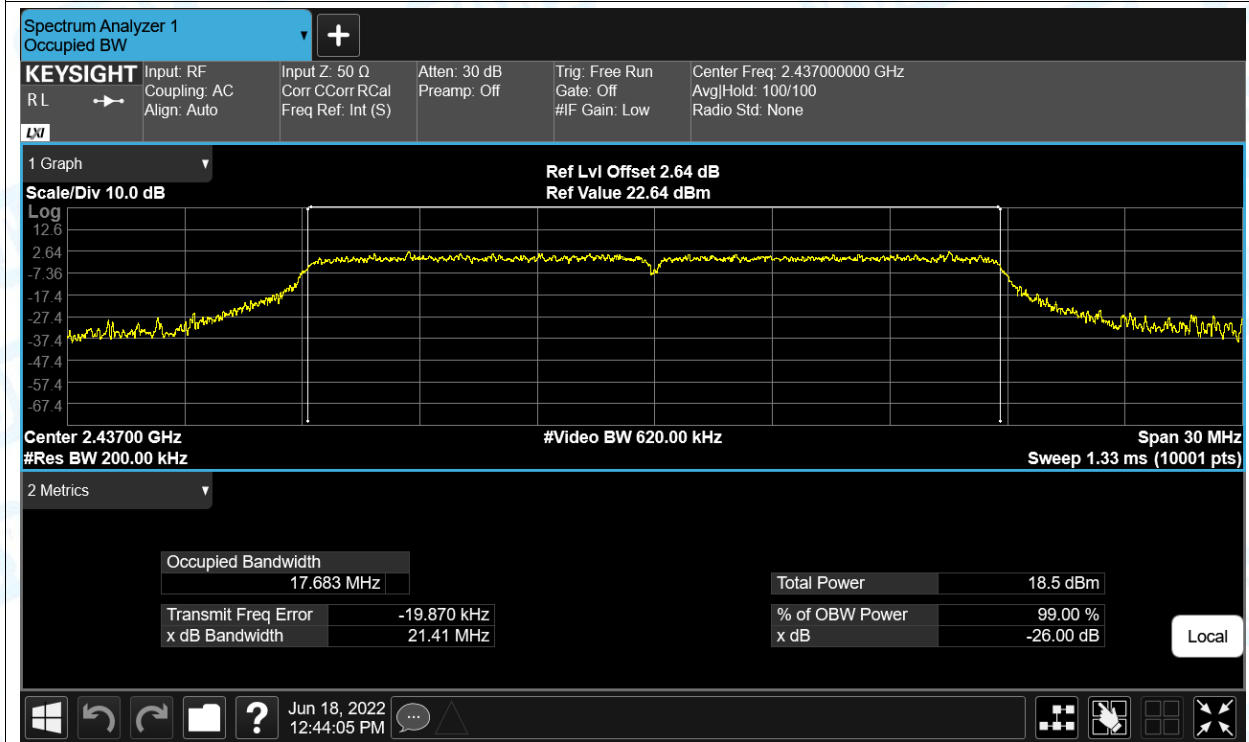


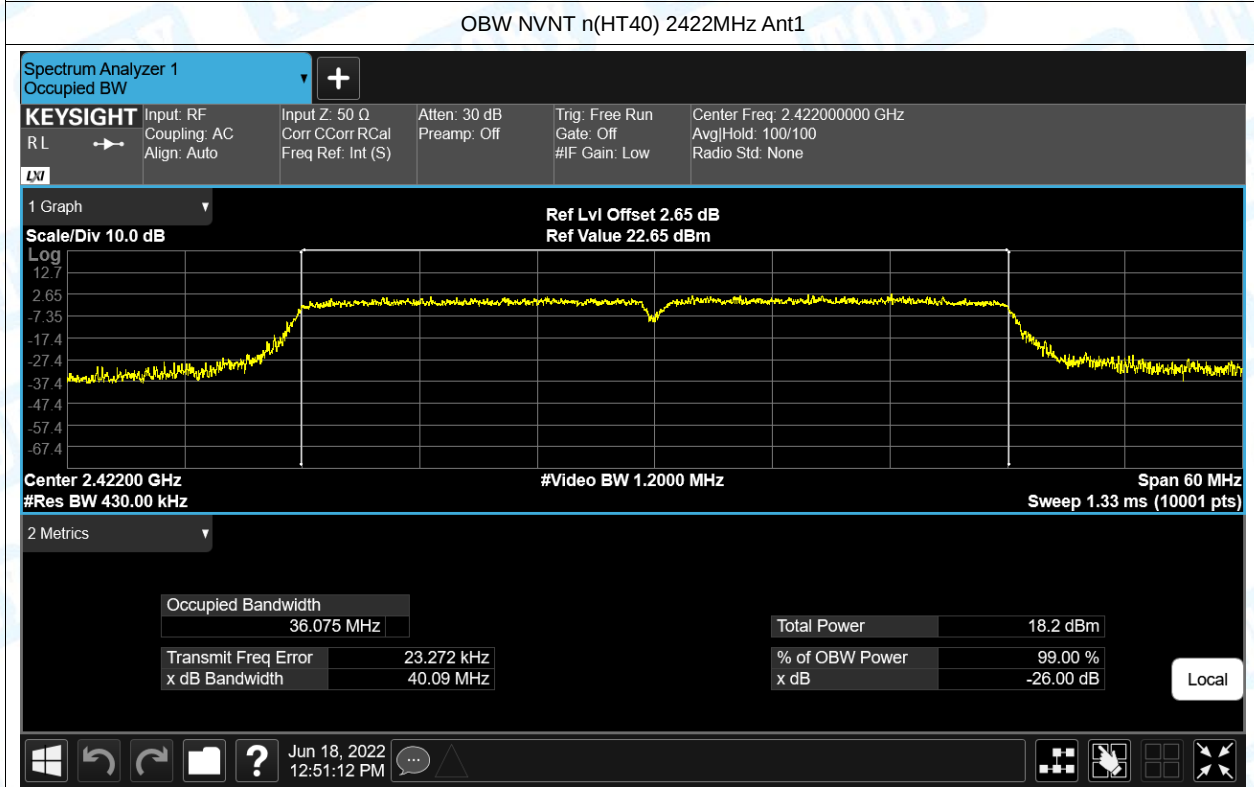
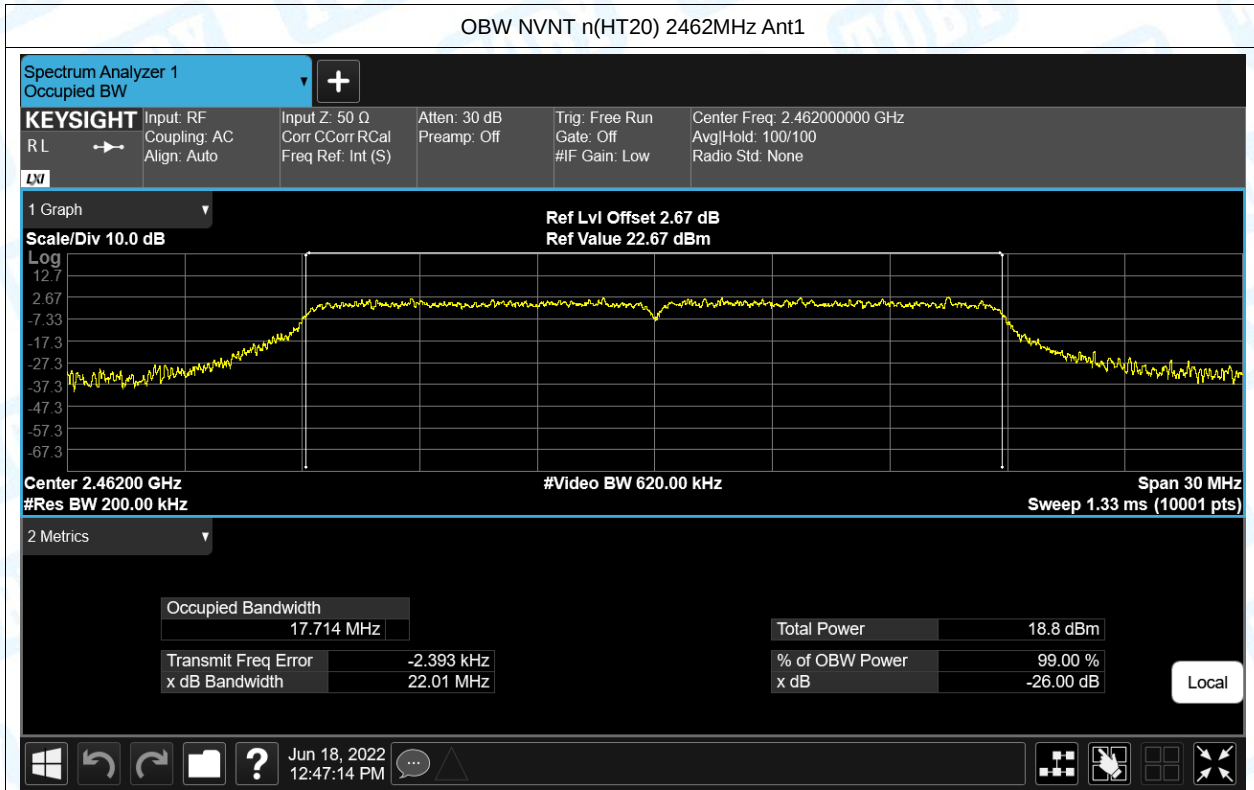


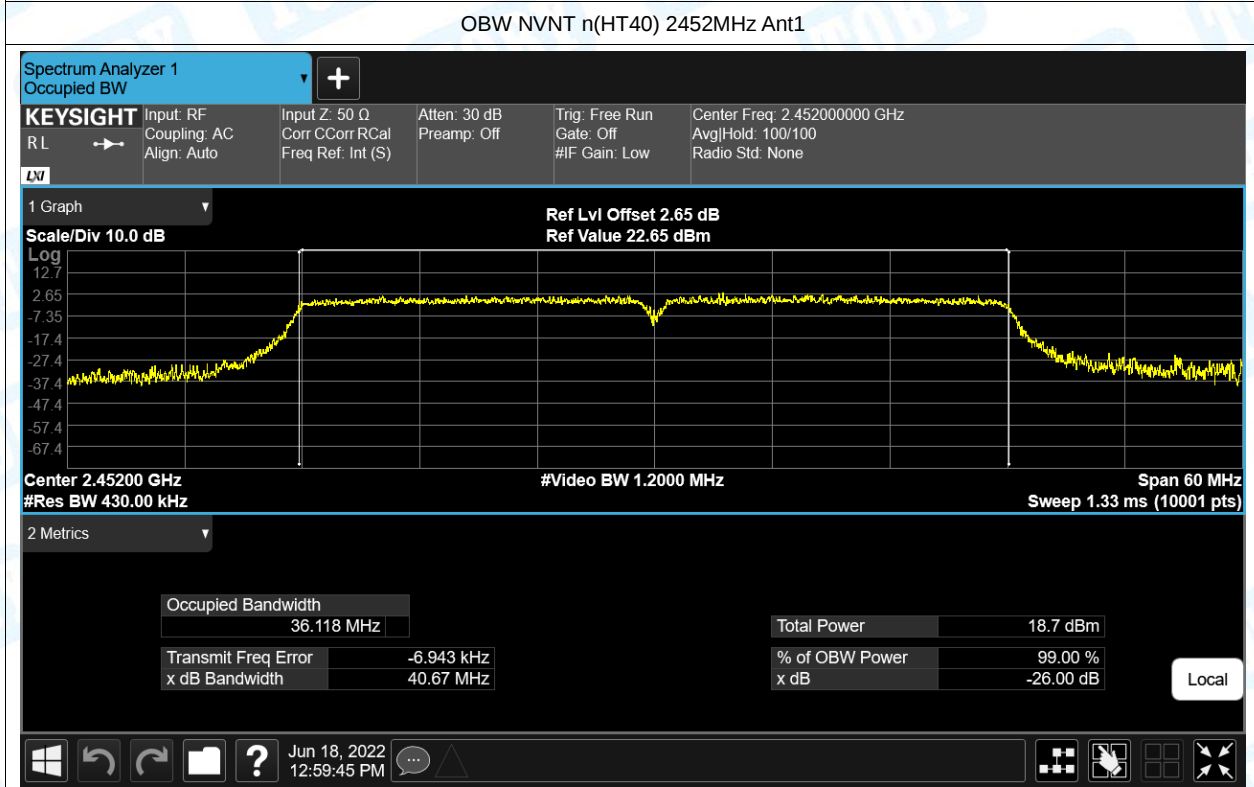
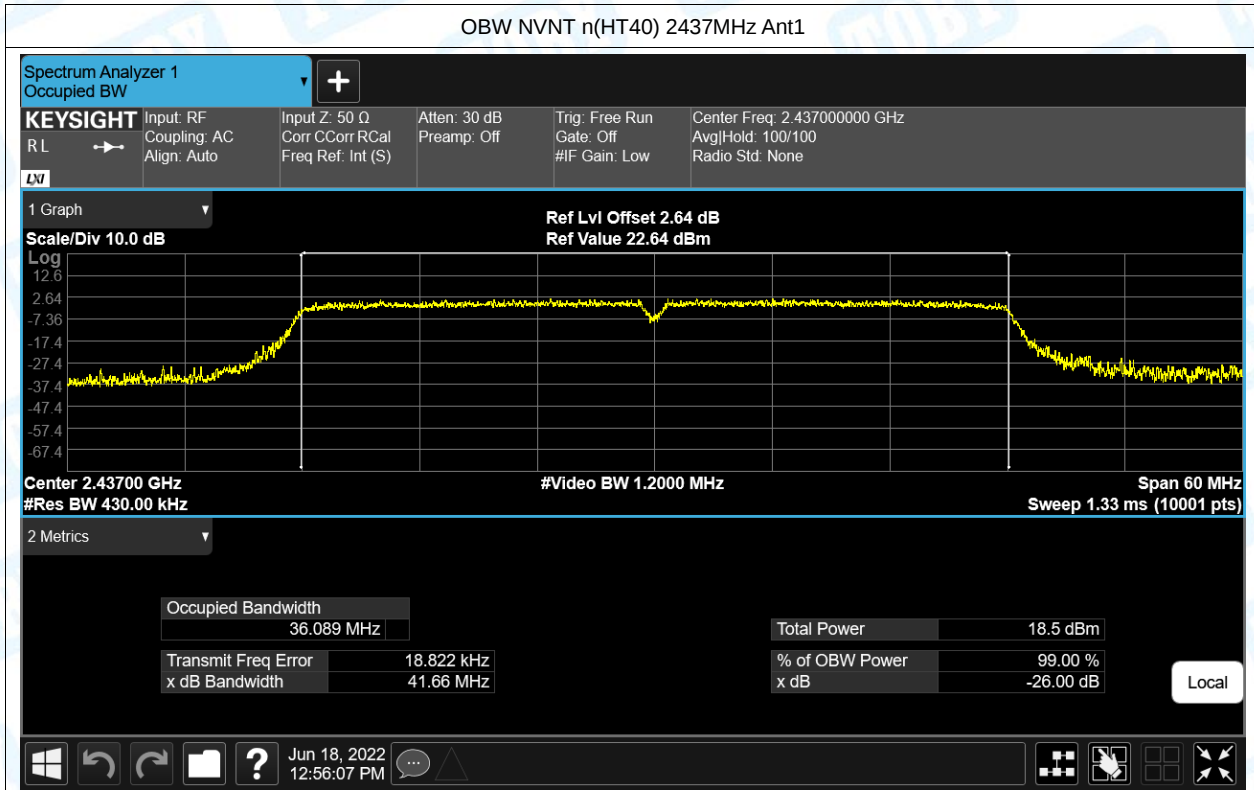
OBW NVNT n(HT20) 2412MHz Ant1



OBW NVNT n(HT20) 2437MHz Ant1





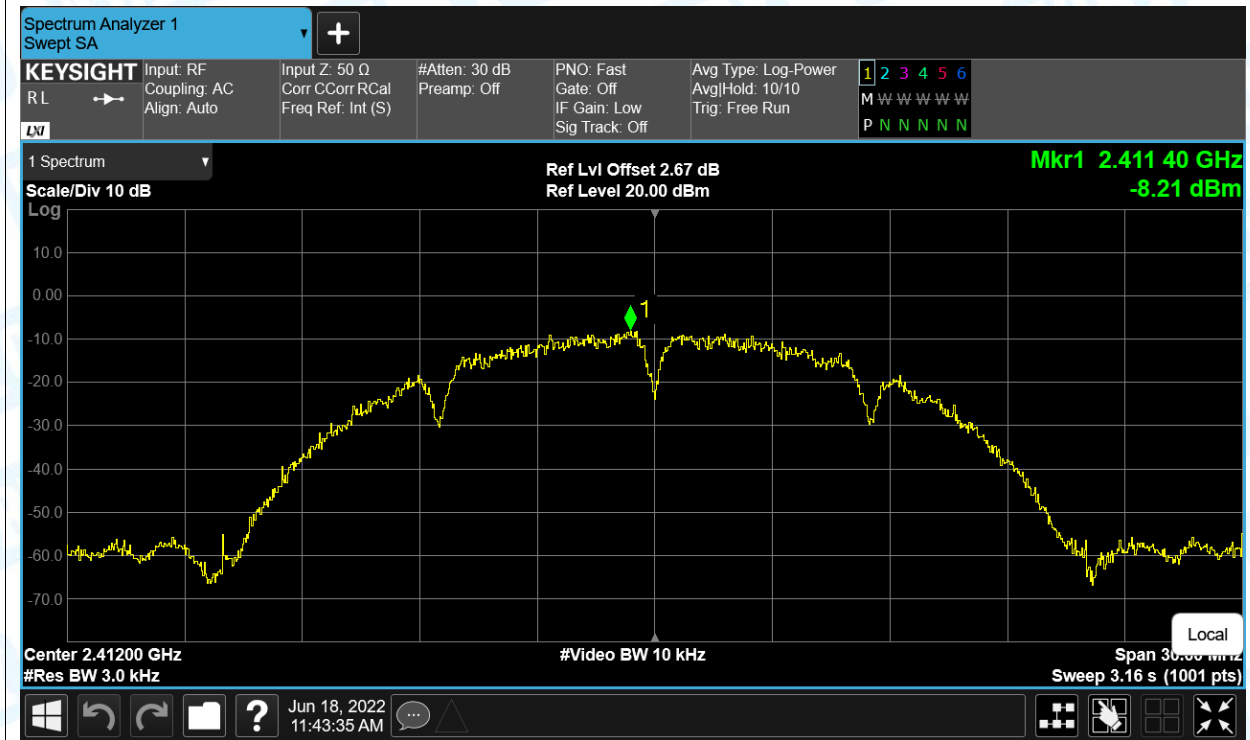


5. Maximum Power Spectral Density Level

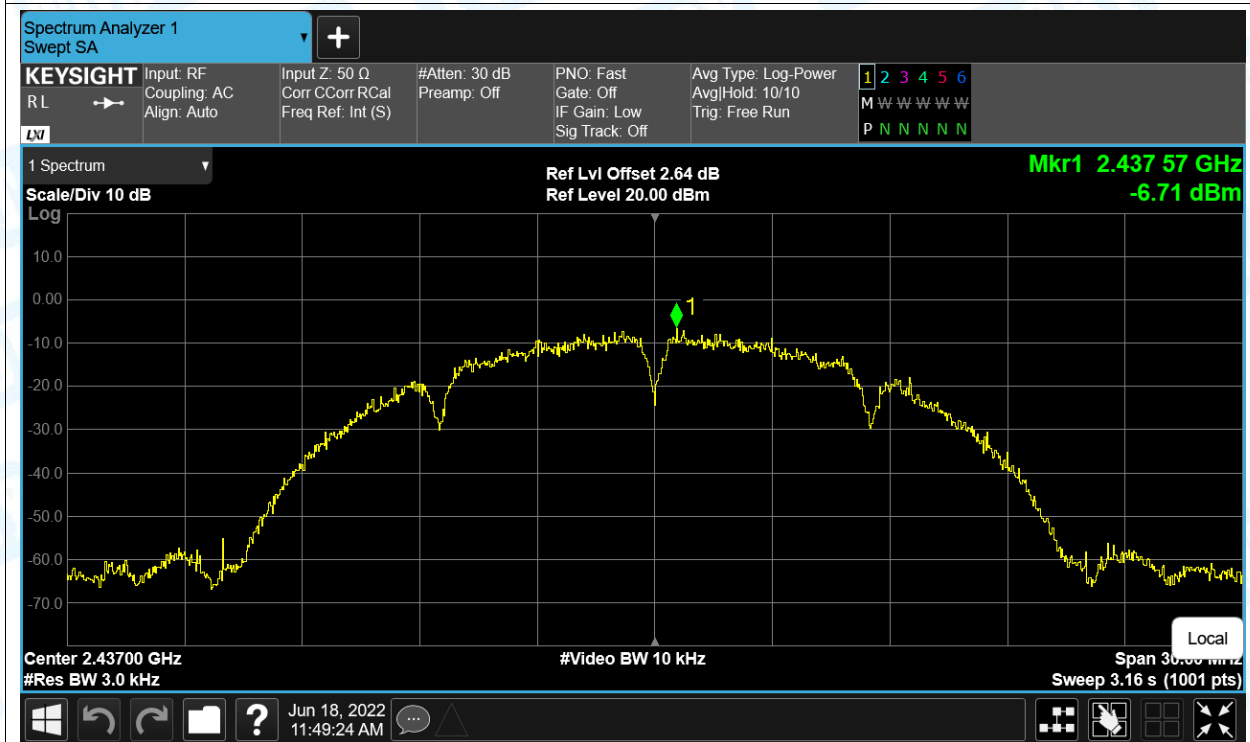
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-8.205	8	Pass
NVNT	b	2437	Ant1	-6.712	8	Pass
NVNT	b	2462	Ant1	-7.094	8	Pass
NVNT	g	2412	Ant1	-12.702	8	Pass
NVNT	g	2437	Ant1	-11.28	8	Pass
NVNT	g	2462	Ant1	-13.559	8	Pass
NVNT	n(HT20)	2412	Ant1	-12.837	8	Pass
NVNT	n(HT20)	2437	Ant1	-12.786	8	Pass
NVNT	n(HT20)	2462	Ant1	-12.214	8	Pass
NVNT	n(HT40)	2422	Ant1	-15.095	8	Pass
NVNT	n(HT40)	2437	Ant1	-15.392	8	Pass
NVNT	n(HT40)	2452	Ant1	-15.412	8	Pass

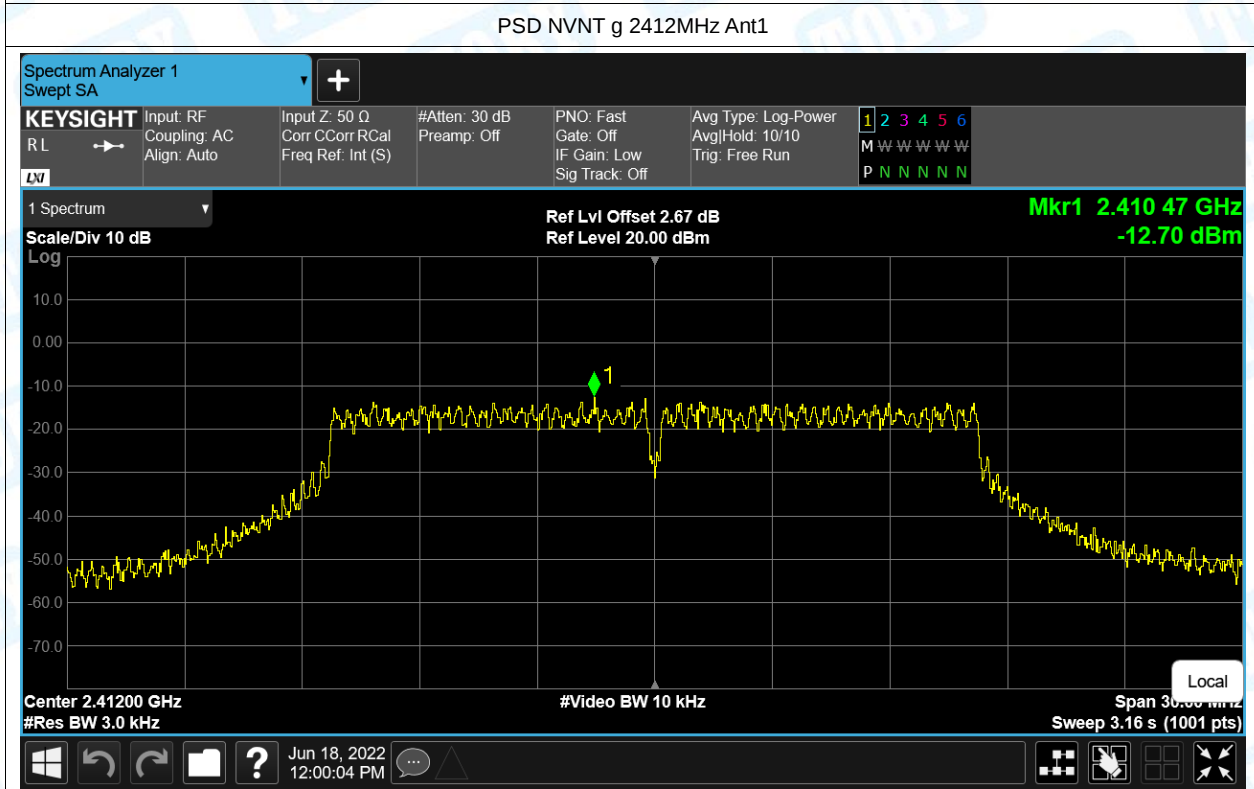
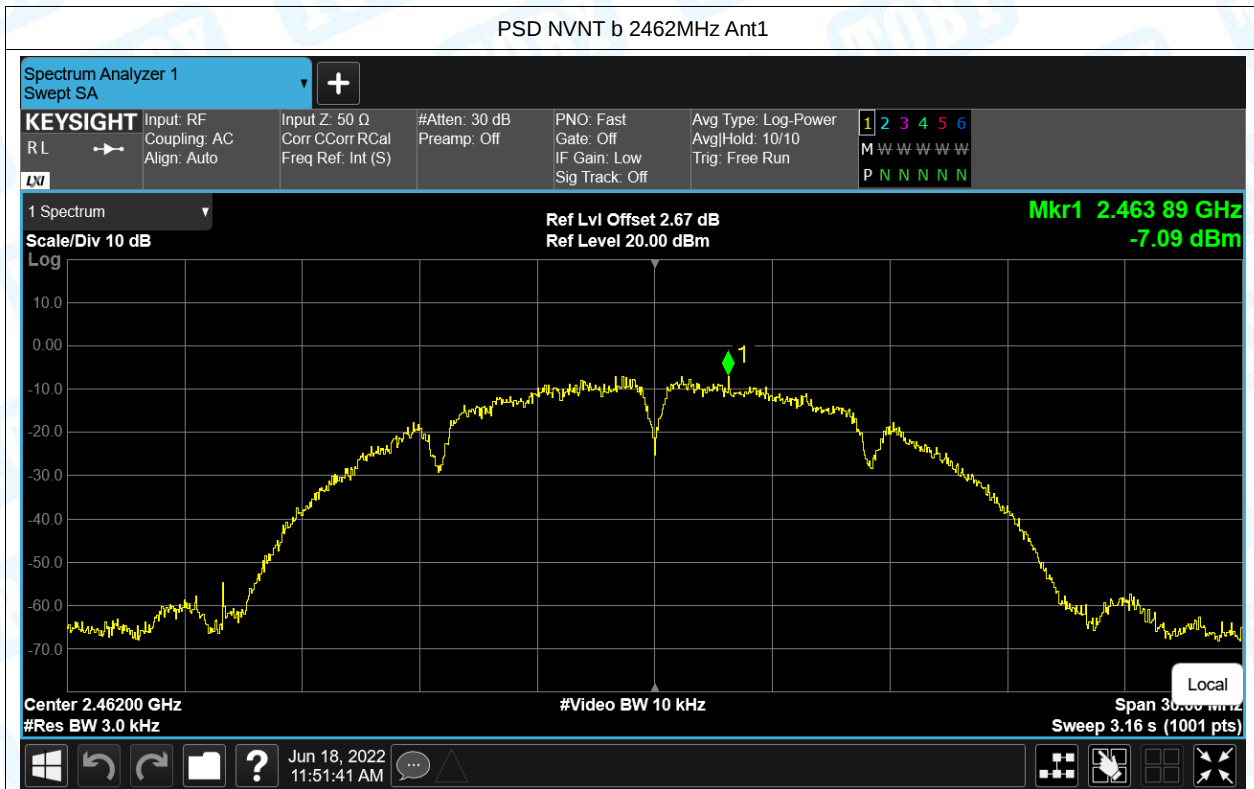
Test Graphs

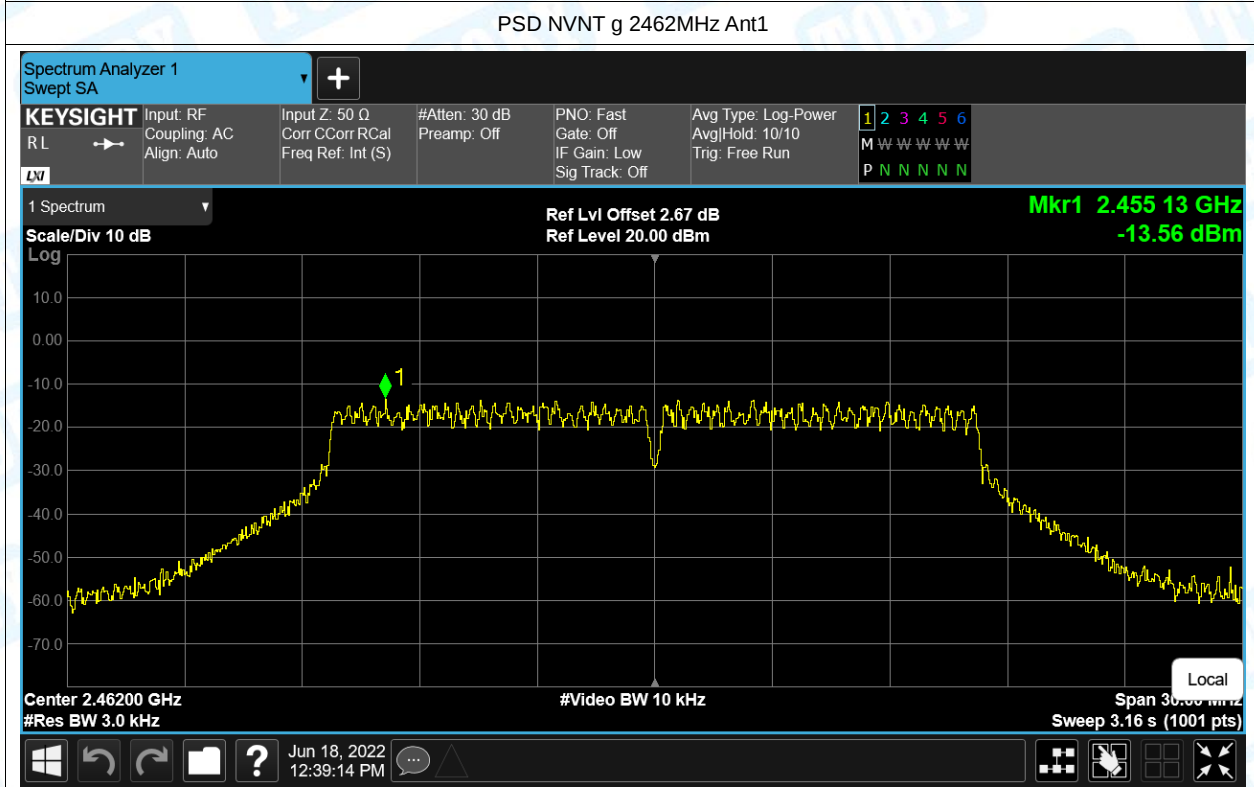
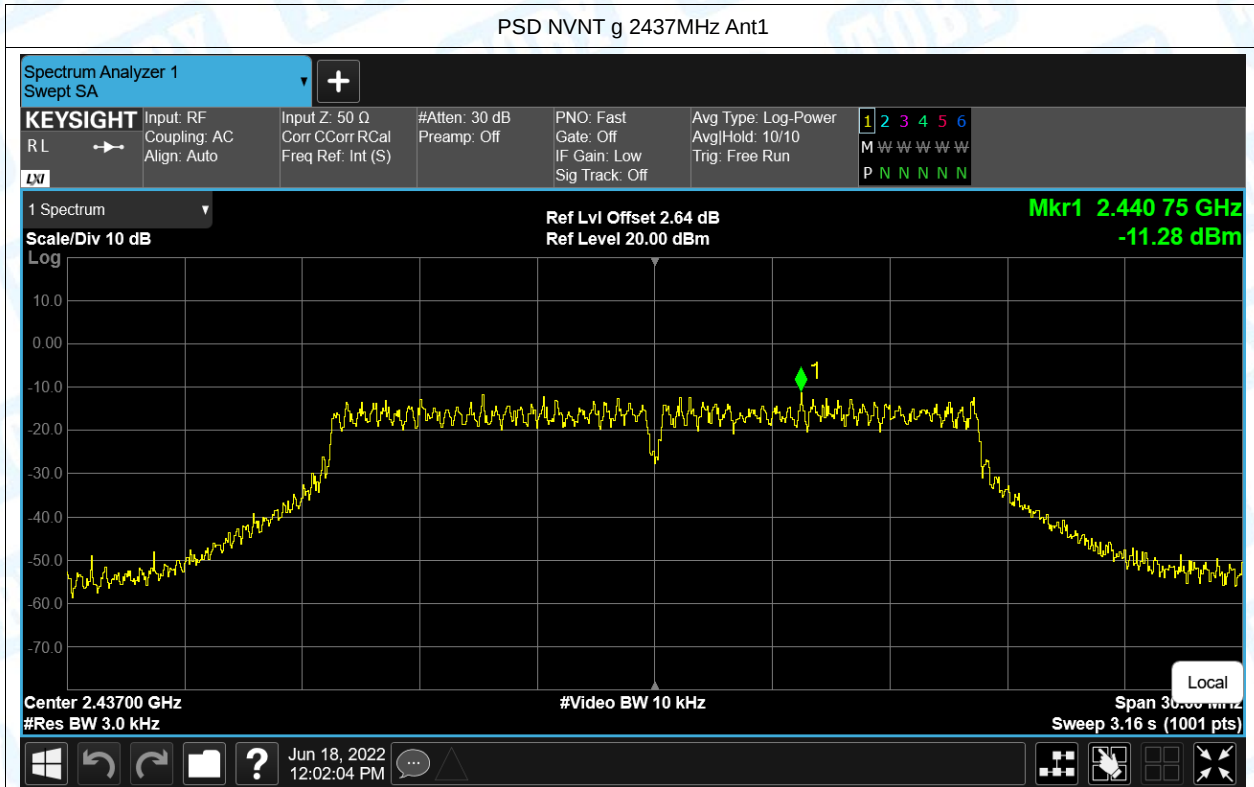
PSD NVNT b 2412MHz Ant1

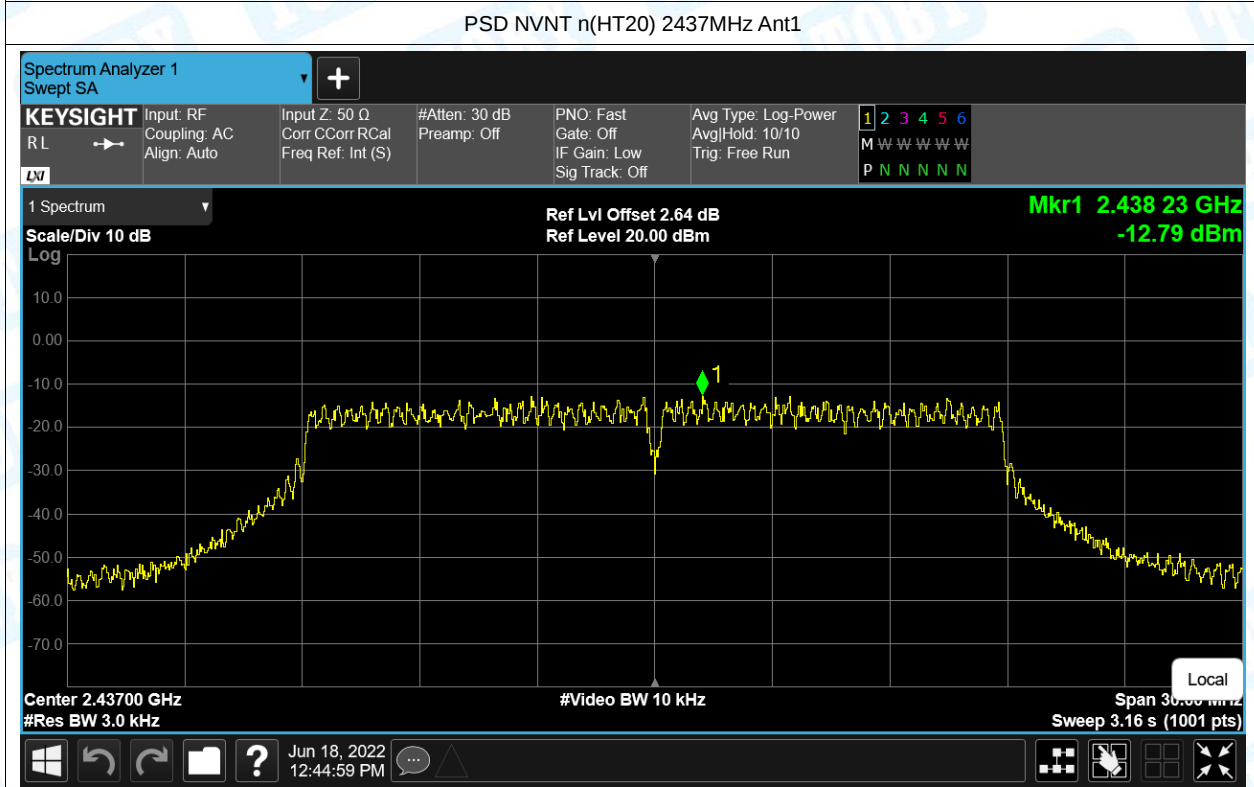
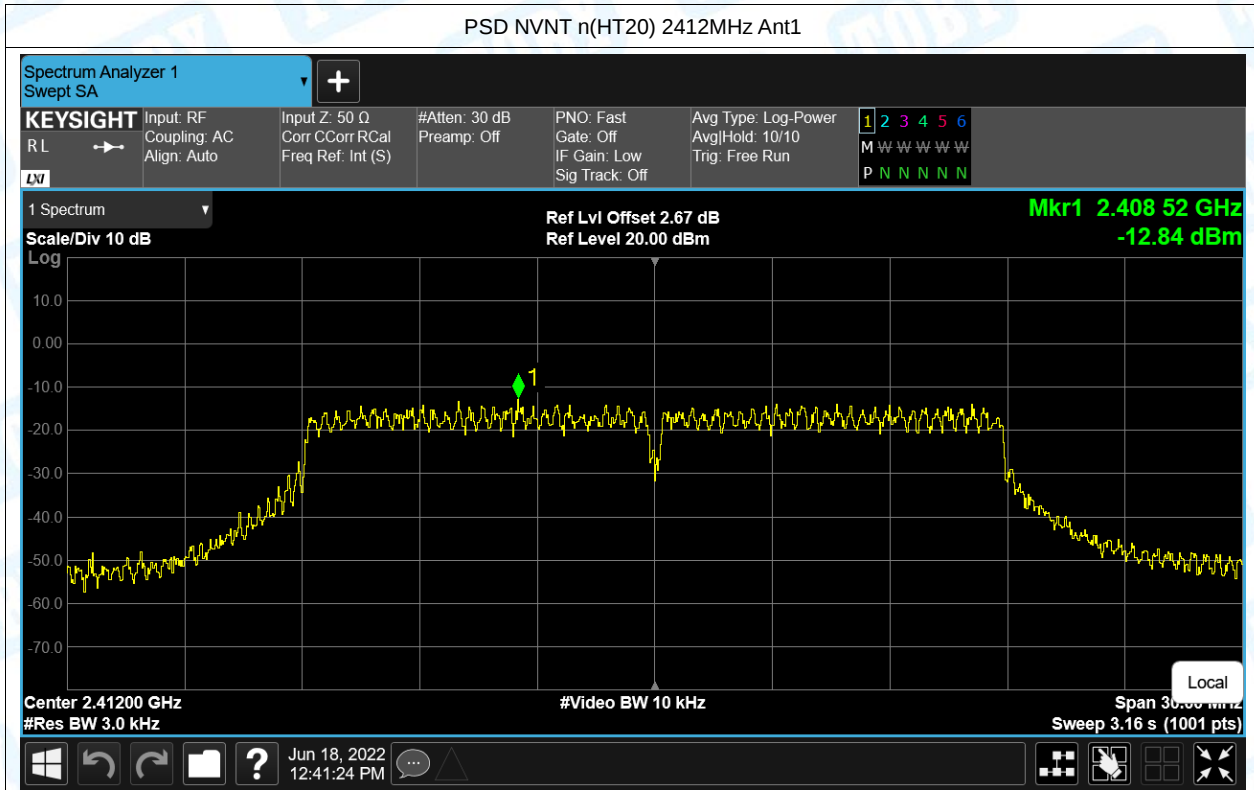


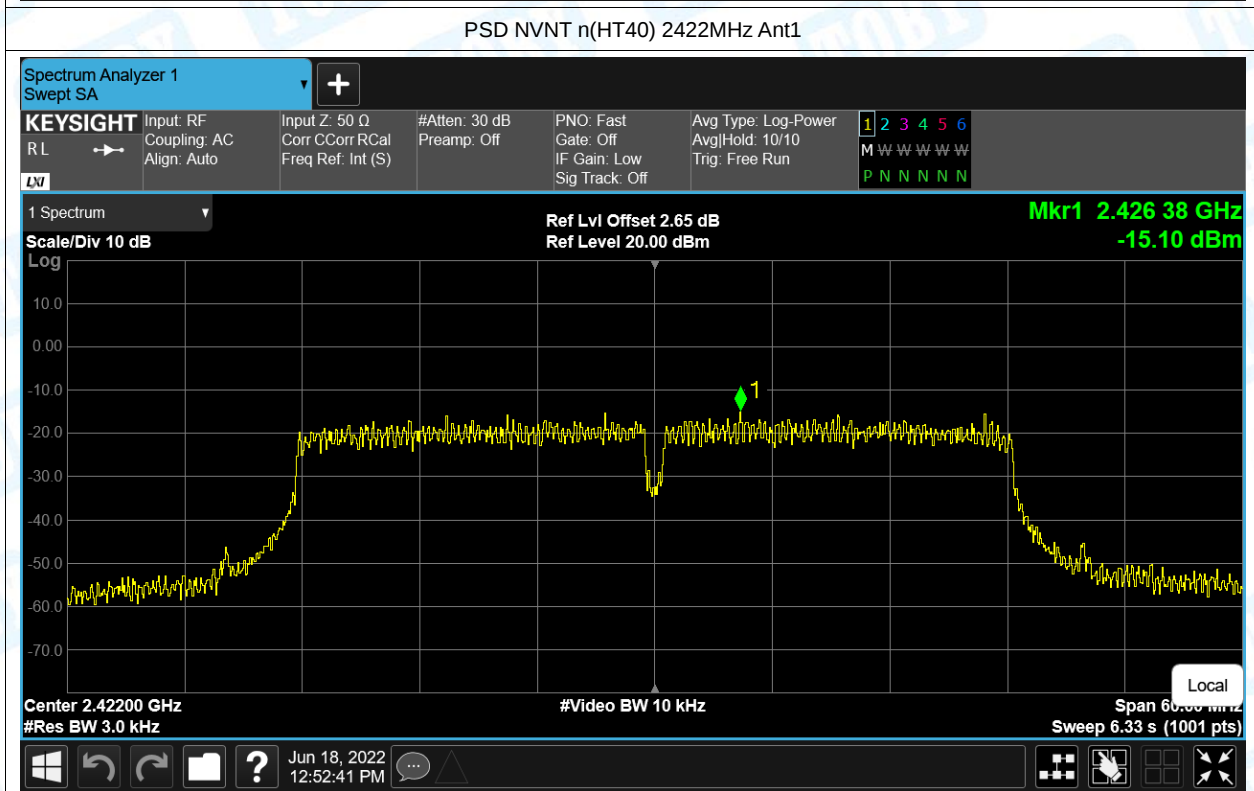
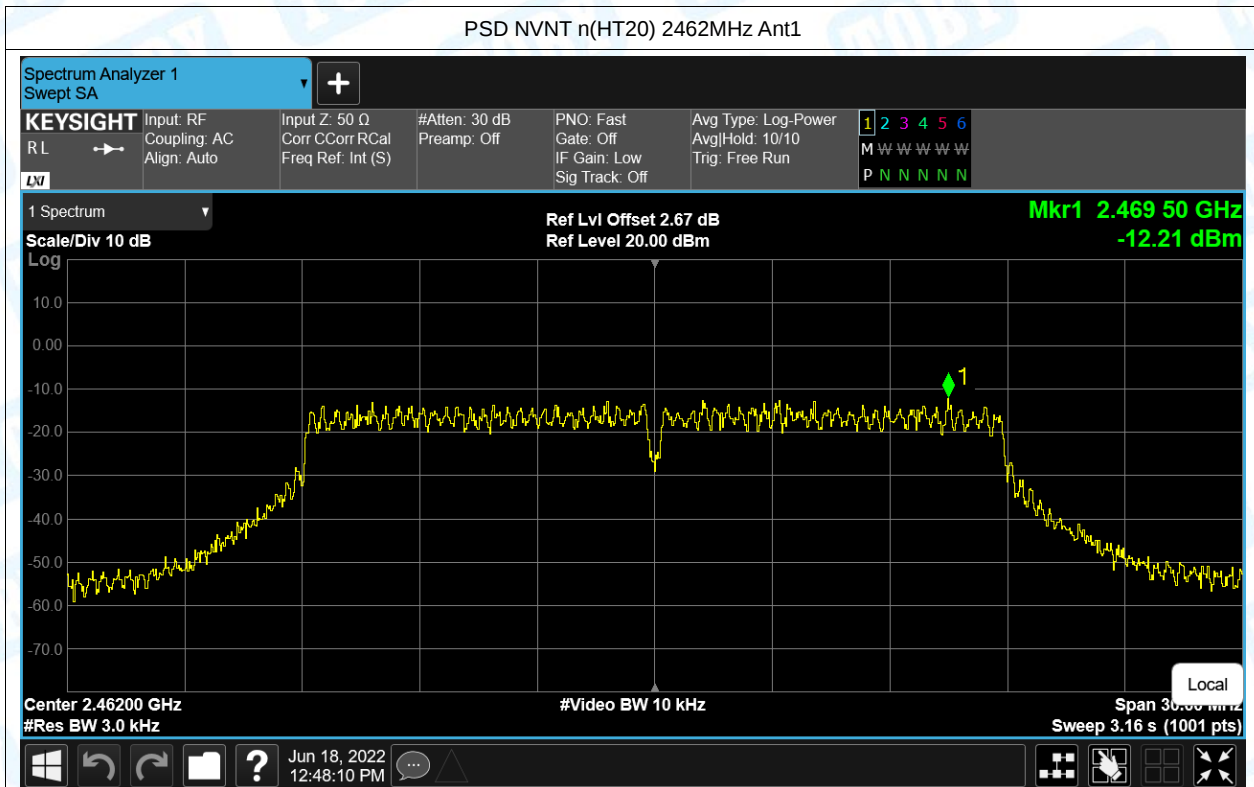
PSD NVNT b 2437MHz Ant1

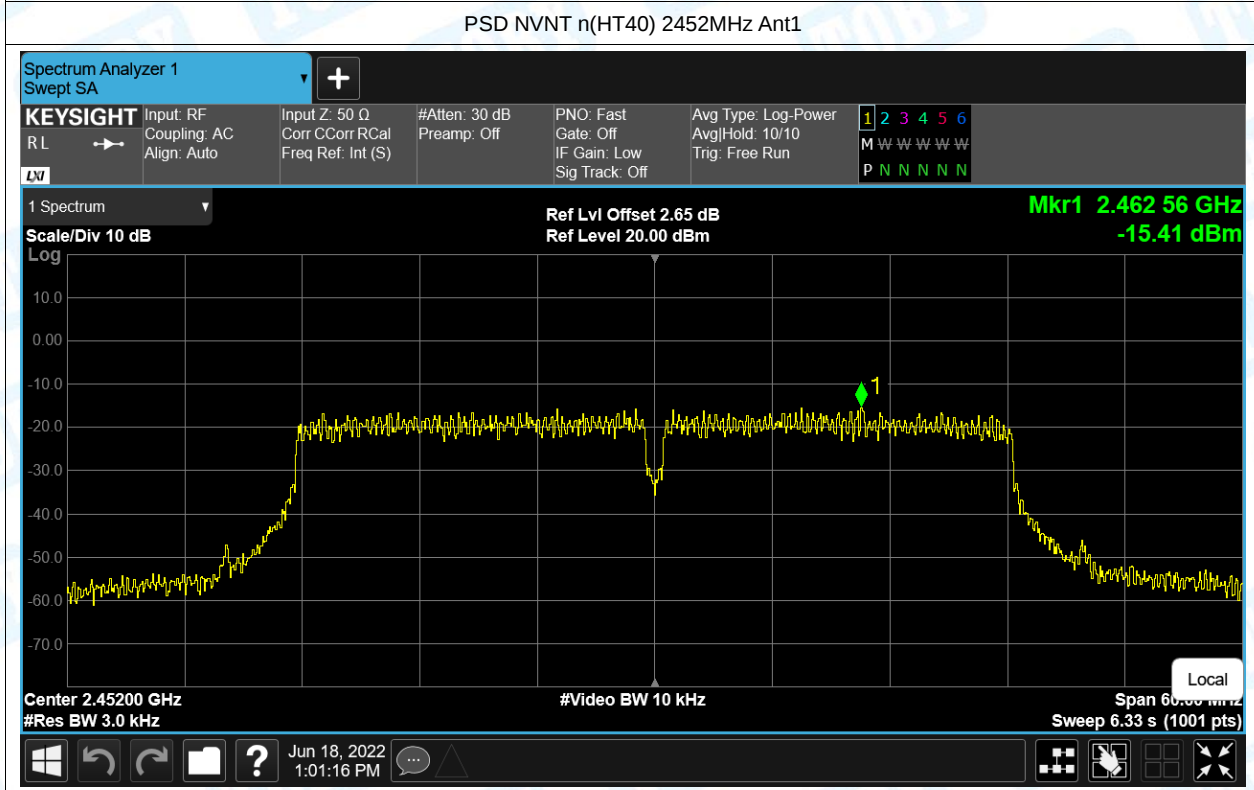
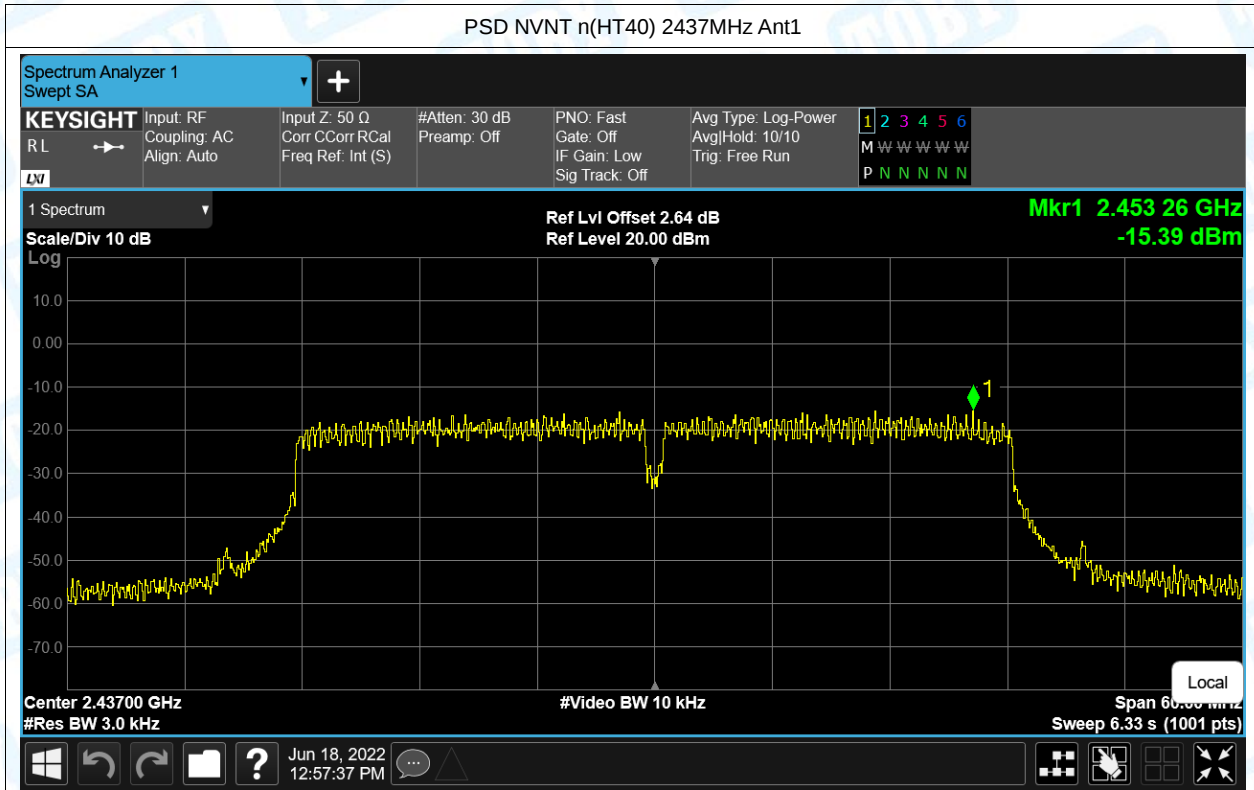












6. Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-58.89	-20	Pass
NVNT	b	2462	Ant1	-59.47	-20	Pass
NVNT	g	2412	Ant1	-41.74	-20	Pass
NVNT	g	2462	Ant1	-42.41	-20	Pass
NVNT	n(HT20)	2412	Ant1	-43.11	-20	Pass
NVNT	n(HT20)	2462	Ant1	-39.21	-20	Pass
NVNT	n(HT40)	2422	Ant1	-38.25	-20	Pass
NVNT	n(HT40)	2452	Ant1	-35.85	-20	Pass

