

RF Test Data for 2.4G WiFi

(Conducted Measurements)

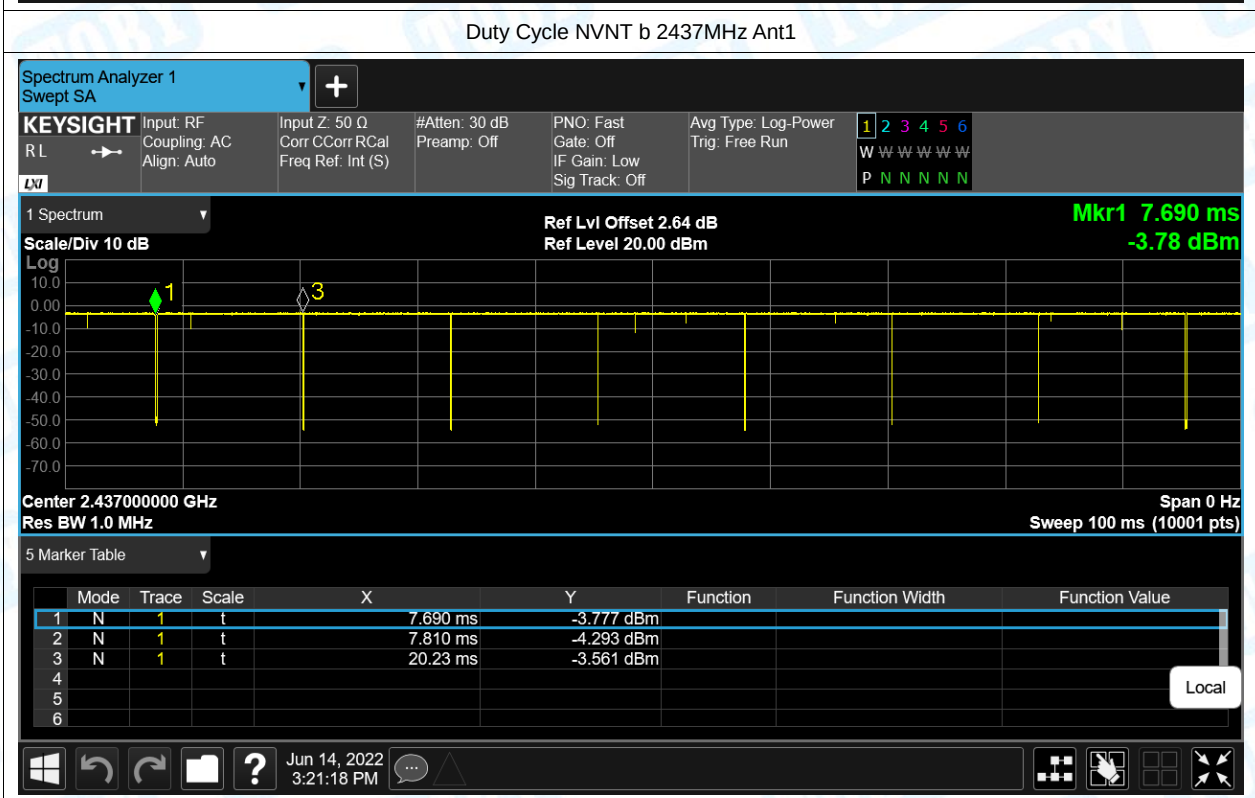
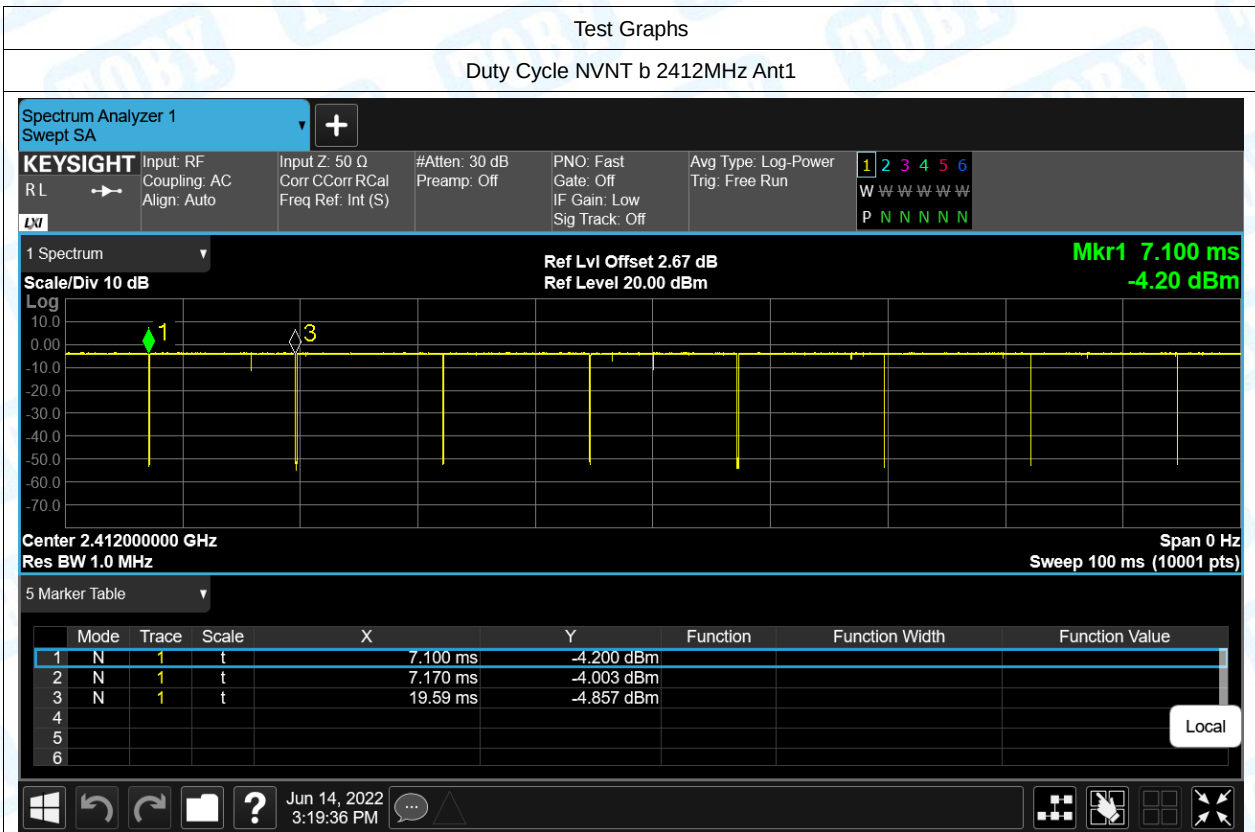
General Description of EUT	
Product Name:	Tablet PC
Test Model:	YQ10S
Sample ID:	202204-0277_03-02-2
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 3.8V
Test Engineer:	Huangjianping
Note: For a more detailed features description, please refer to the report TBR-C-202204-0277-152	

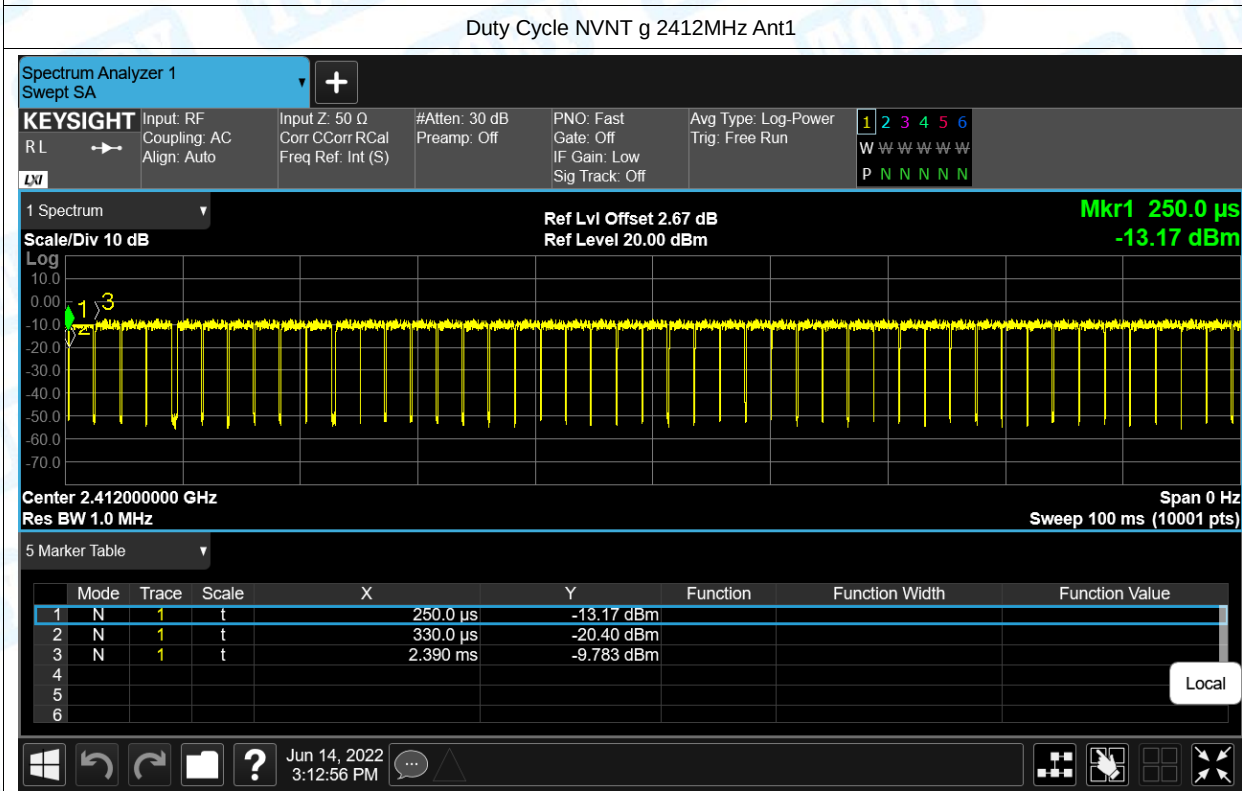
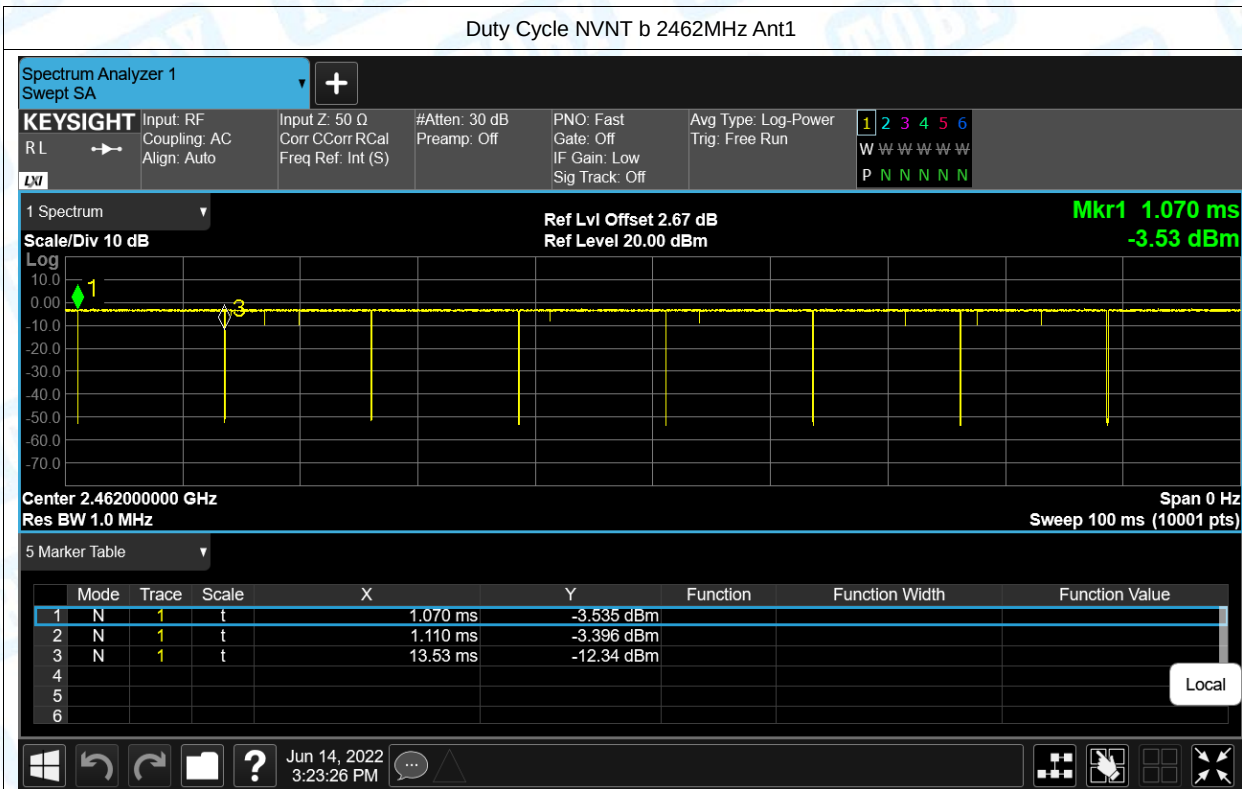
Contents

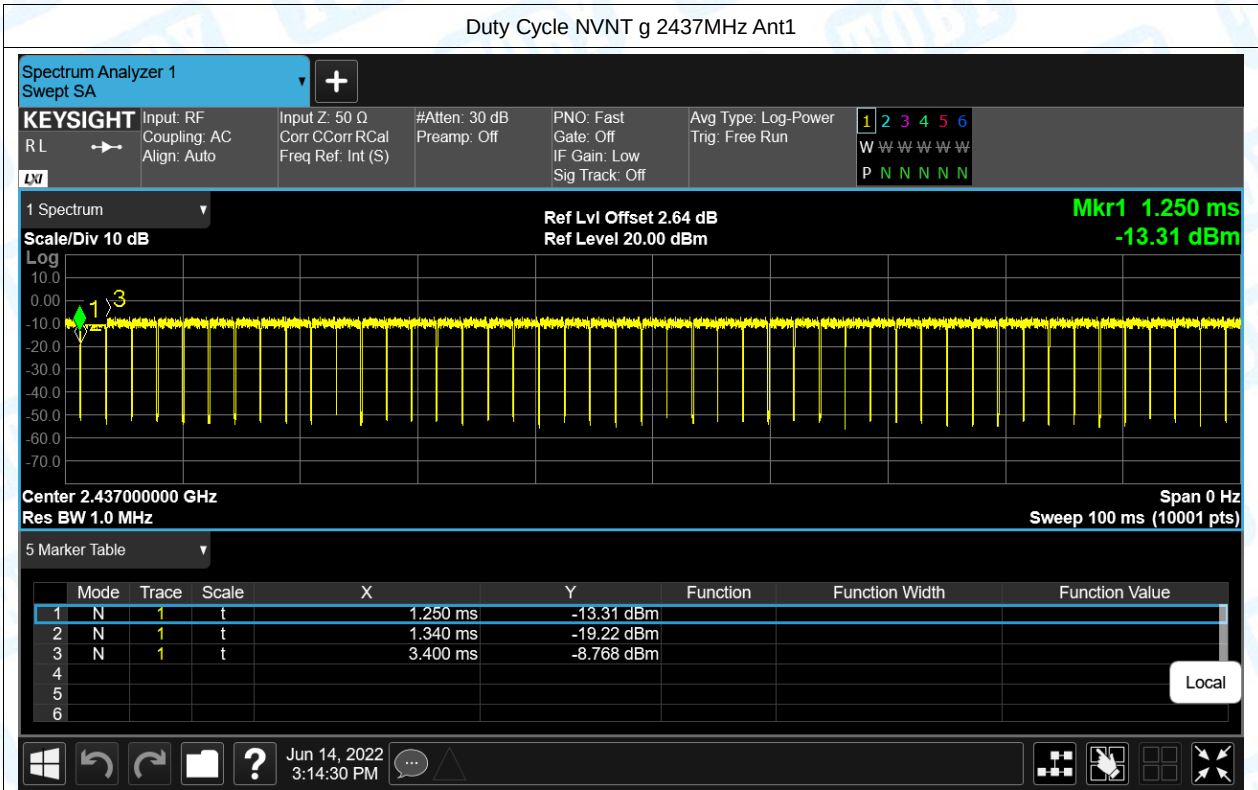
1.Duty Cycle.....	3
2.Maximum Conducted Output Power	10
3.-6dB Bandwidth	11
4.Occupied Channel Bandwidth	18
5.Maximum Power Spectral Density Level.....	25
6.Band Edge	32
7.Conducted RF Spurious Emission	41
8.Restrict Band.....	54

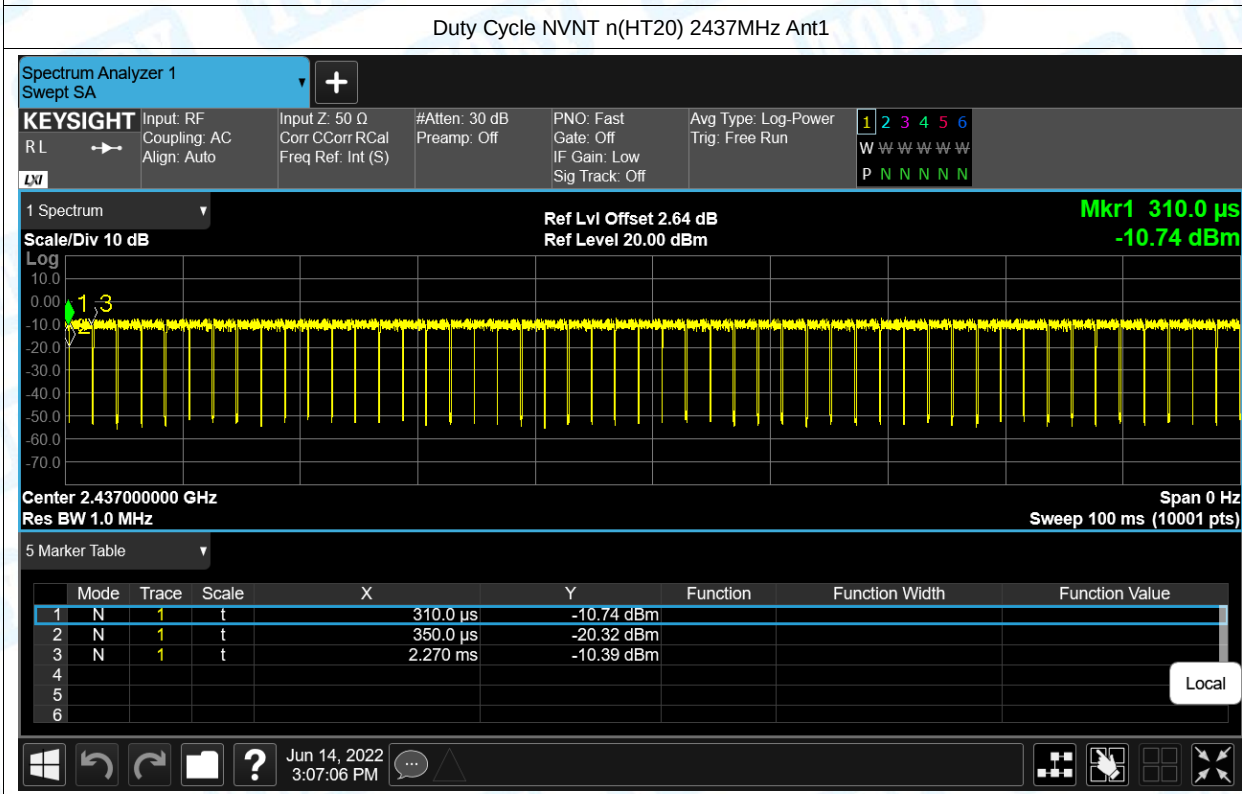
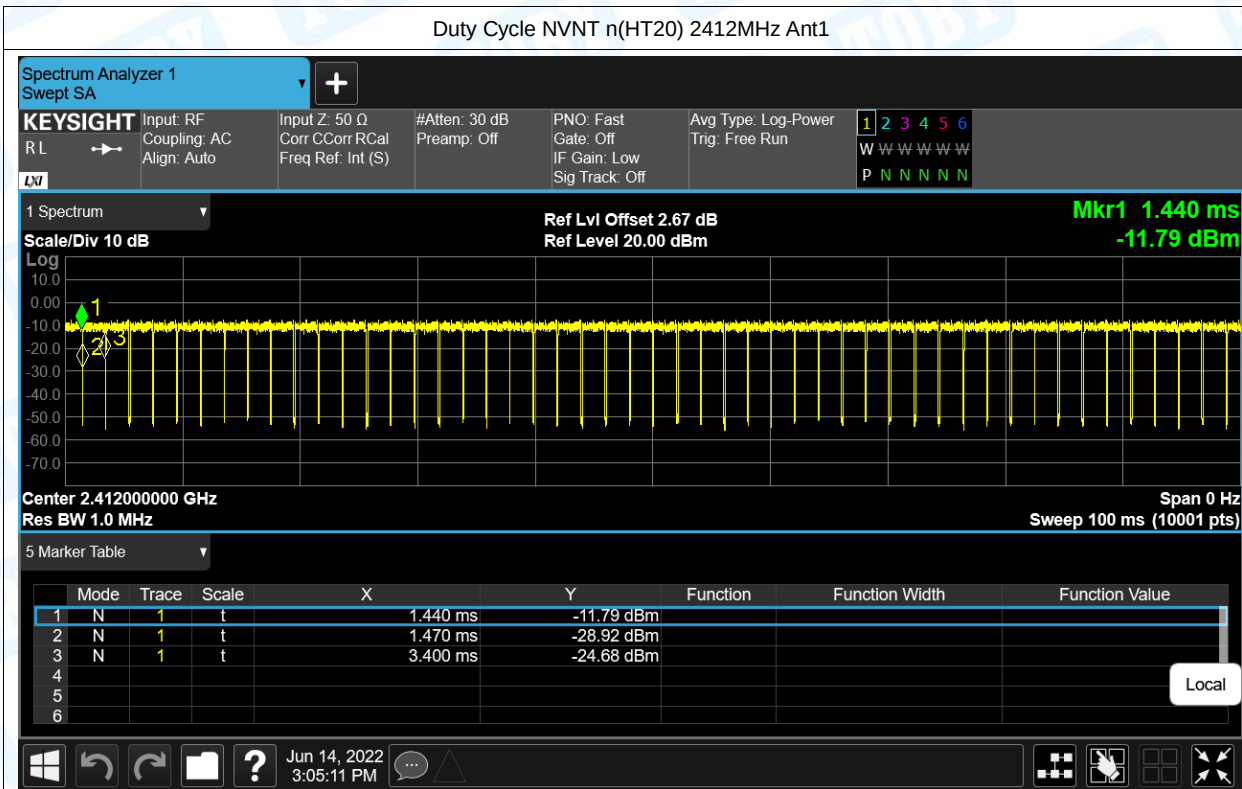
1.Duty Cycle

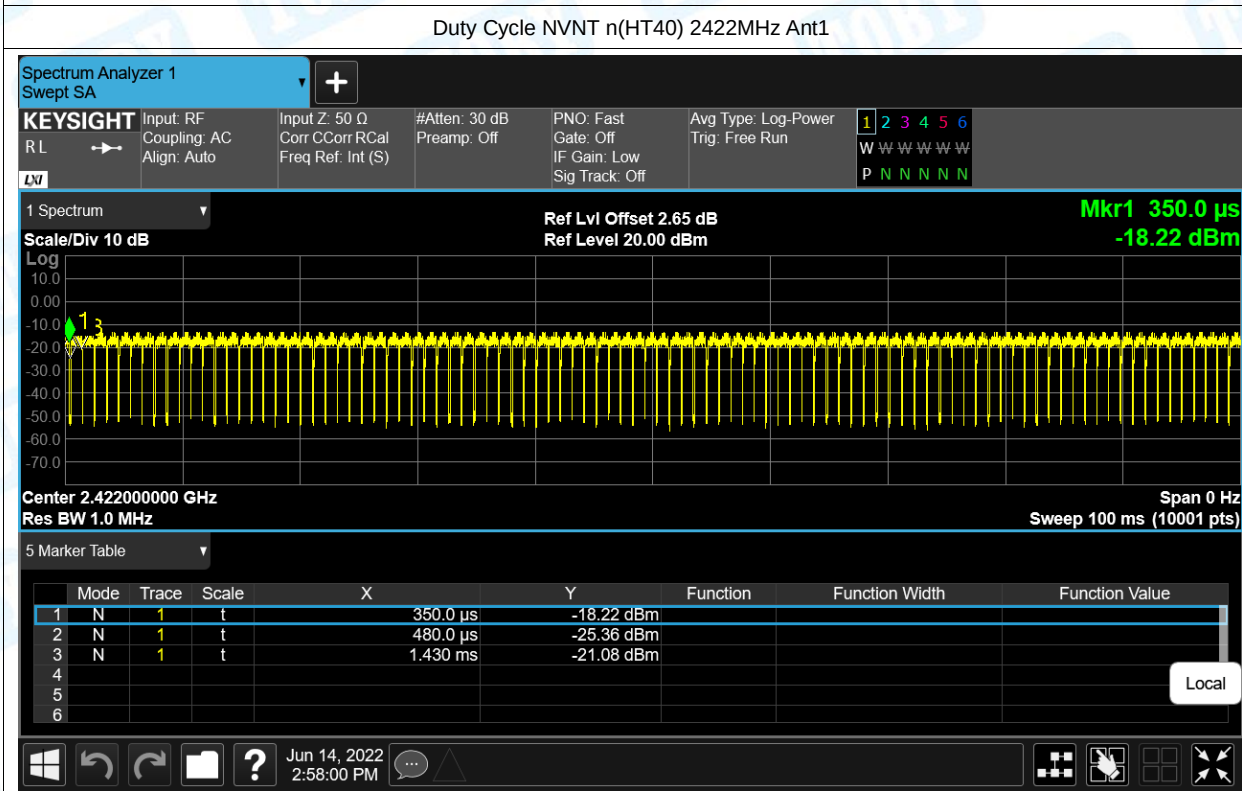
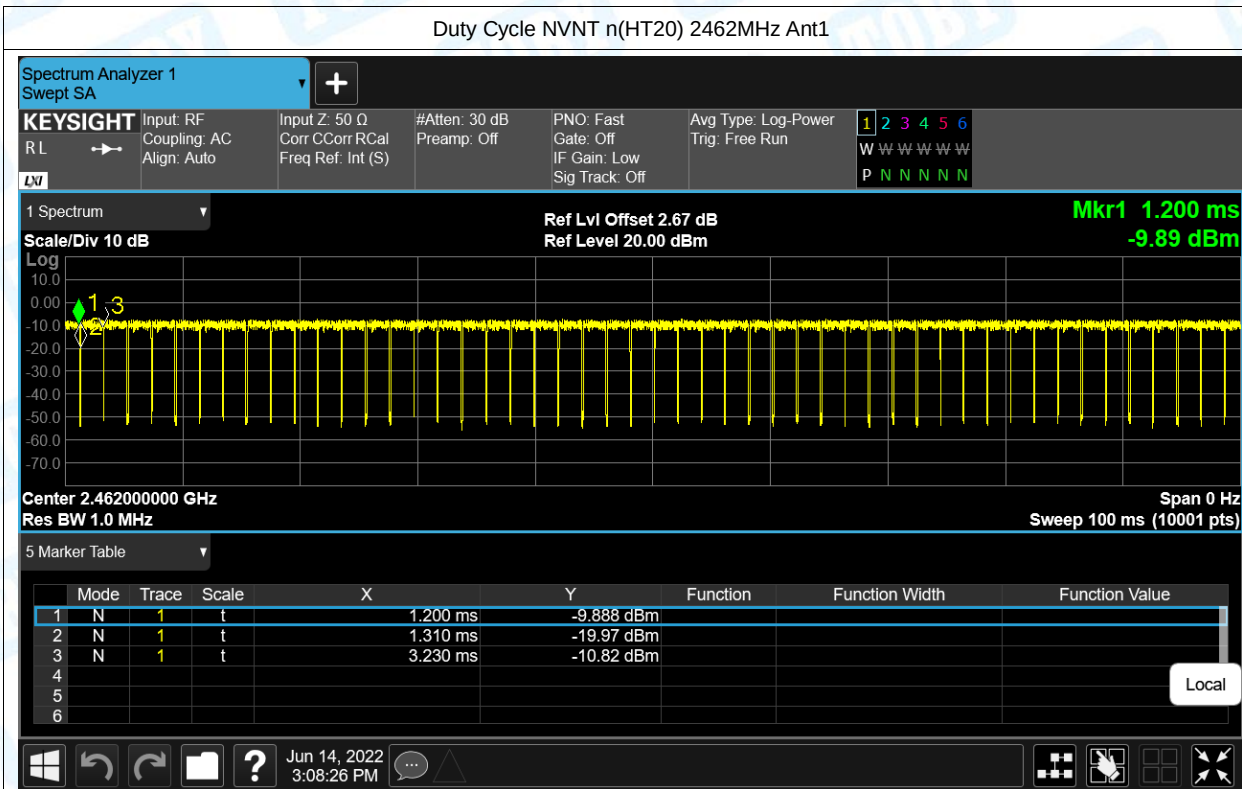
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.49	0.02	0.08
NVNT	b	2437	Ant1	99.3	0.03	0.08
NVNT	b	2462	Ant1	99.33	0.03	0.08
NVNT	g	2412	Ant1	94.28	0.26	0.49
NVNT	g	2437	Ant1	95.84	0.18	0.49
NVNT	g	2462	Ant1	96.15	0.17	0.49
NVNT	n(HT20)	2412	Ant1	95.24	0.21	0.52
NVNT	n(HT20)	2437	Ant1	94.91	0.23	0.52
NVNT	n(HT20)	2462	Ant1	95.23	0.21	0.52
NVNT	n(HT40)	2422	Ant1	92.09	0.36	1.05
NVNT	n(HT40)	2437	Ant1	90.72	0.42	1.06
NVNT	n(HT40)	2452	Ant1	90.76	0.42	1.05

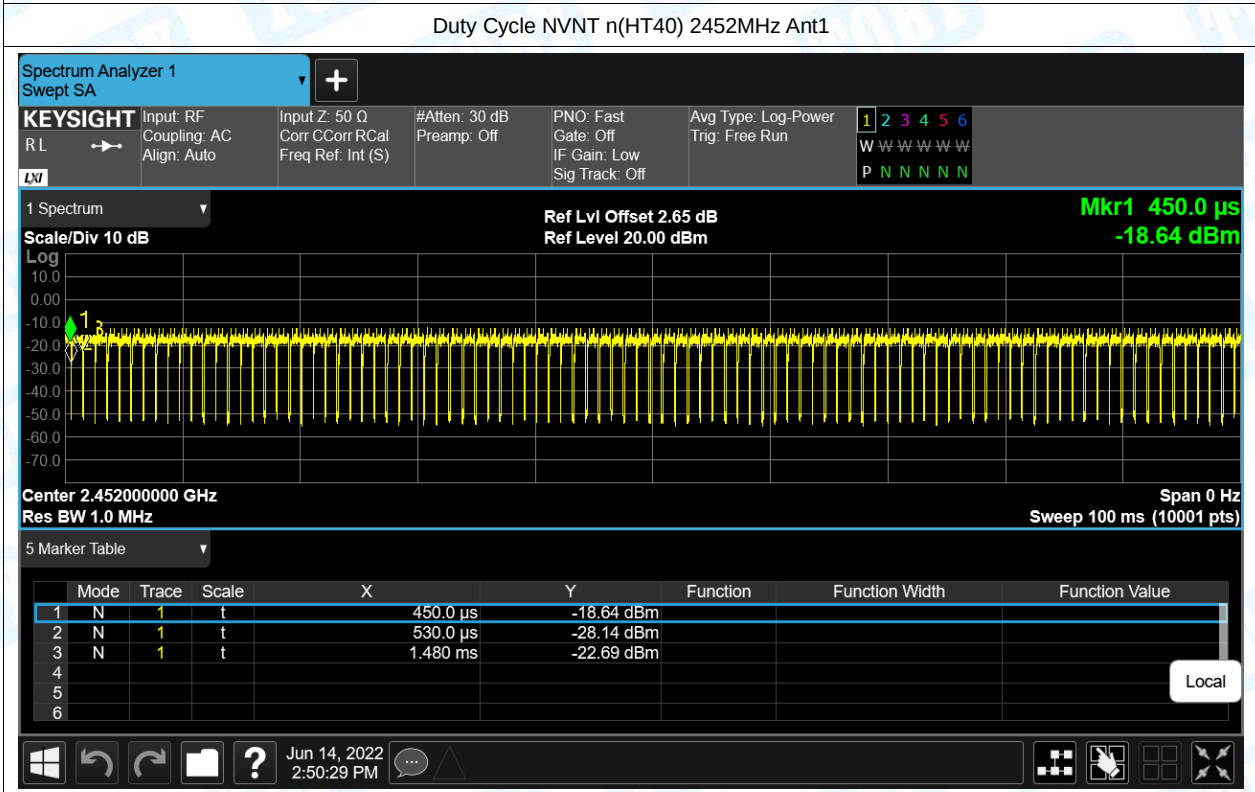
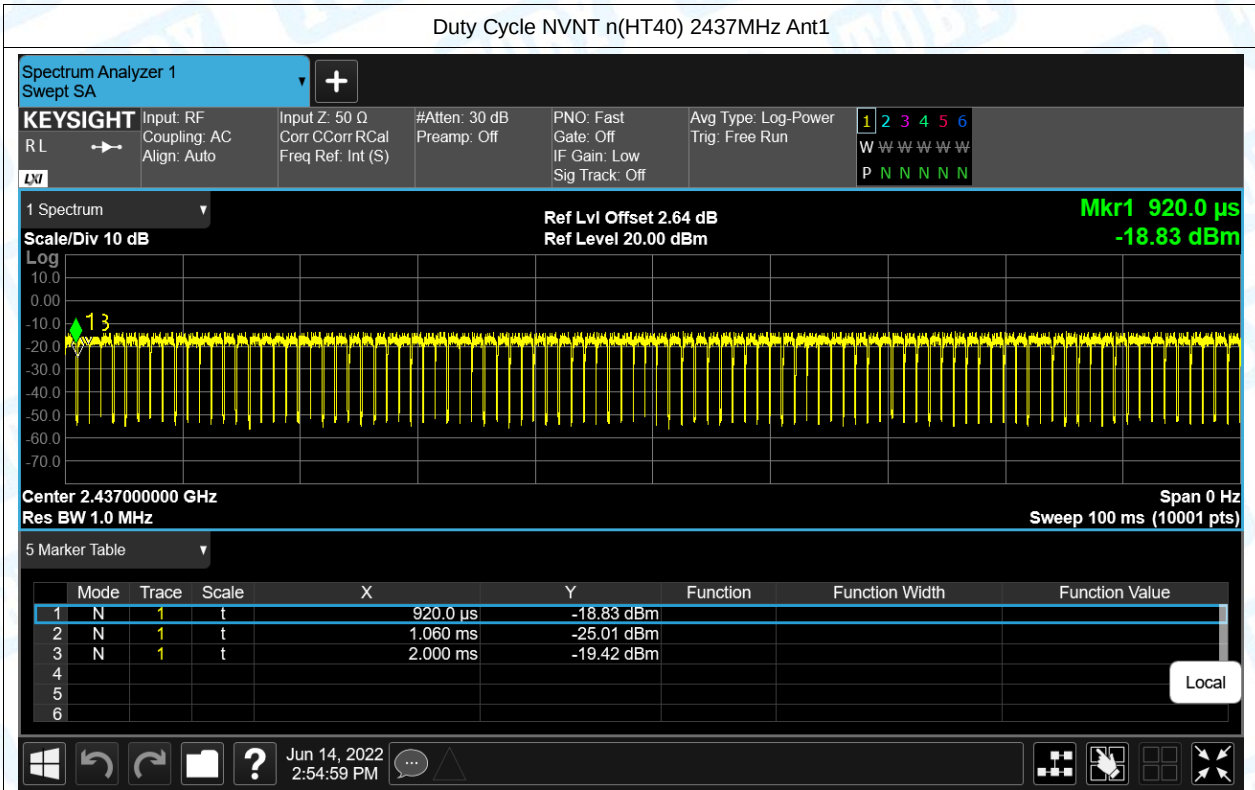












2.Maximum Conducted Output Power

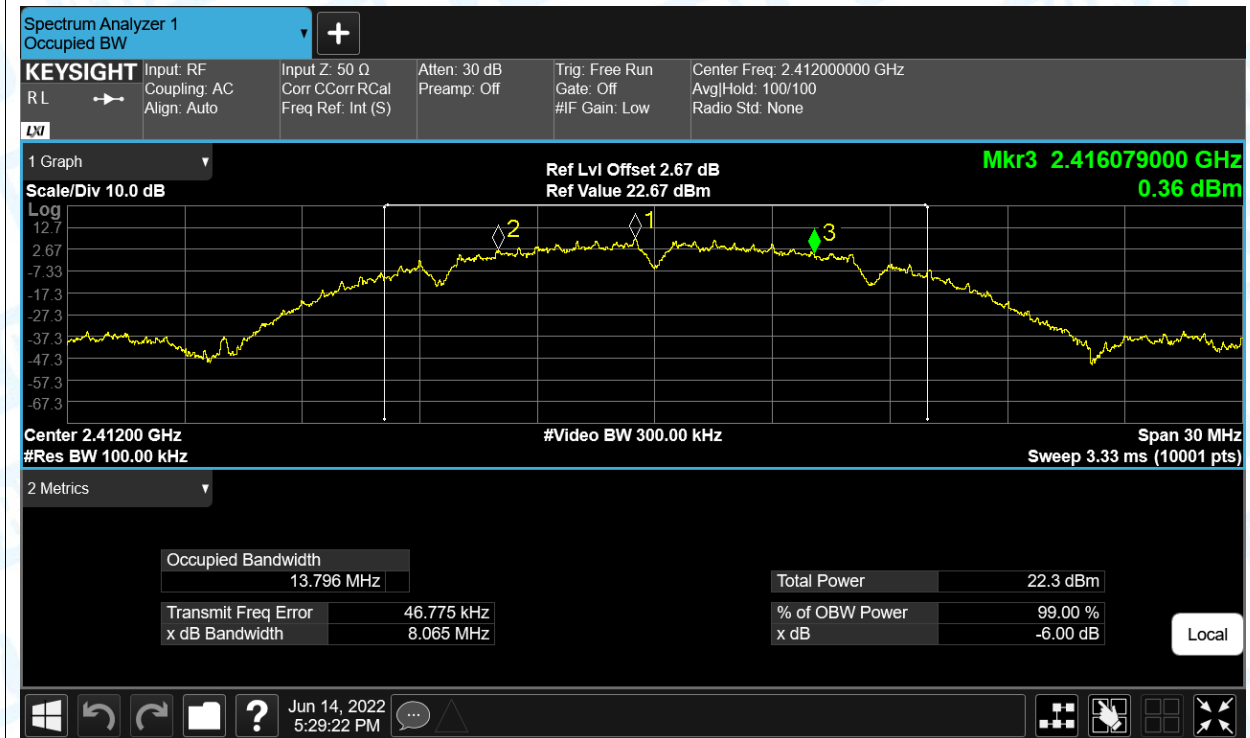
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	2.415	30	Pass
NVNT	b	2437	Ant1	2.888	30	Pass
NVNT	b	2462	Ant1	3.047	30	Pass
NVNT	g	2412	Ant1	2.042	30	Pass
NVNT	g	2437	Ant1	2.332	30	Pass
NVNT	g	2462	Ant1	2.449	30	Pass
NVNT	n(HT20)	2412	Ant1	1.964	30	Pass
NVNT	n(HT20)	2437	Ant1	2.396	30	Pass
NVNT	n(HT20)	2462	Ant1	2.655	30	Pass
NVNT	n(HT40)	2422	Ant1	2.055	30	Pass
NVNT	n(HT40)	2437	Ant1	1.727	30	Pass
NVNT	n(HT40)	2452	Ant1	2.333	30	Pass

3.-6dB Bandwidth

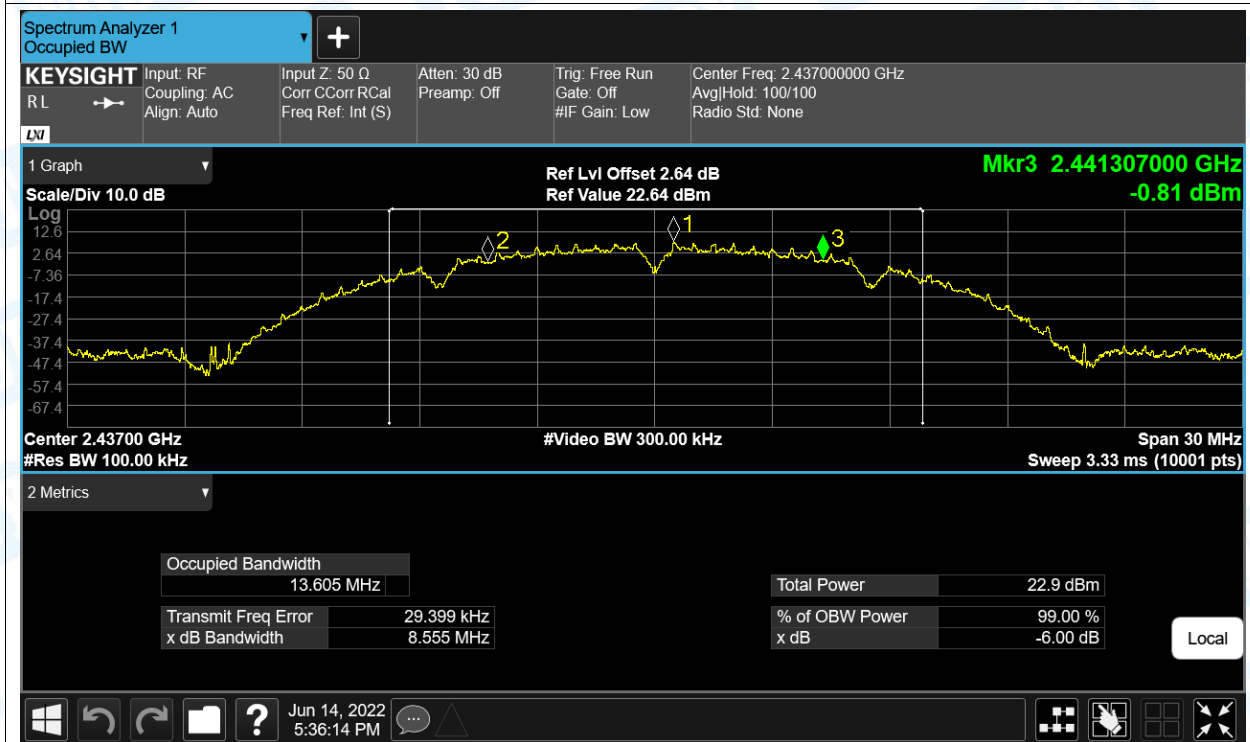
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.06	0.5	Pass
NVNT	b	2437	Ant1	8.56	0.5	Pass
NVNT	b	2462	Ant1	8.57	0.5	Pass
NVNT	g	2412	Ant1	16.34	0.5	Pass
NVNT	g	2437	Ant1	16.33	0.5	Pass
NVNT	g	2462	Ant1	16.43	0.5	Pass
NVNT	n(HT20)	2412	Ant1	17.41	0.5	Pass
NVNT	n(HT20)	2437	Ant1	17.52	0.5	Pass
NVNT	n(HT20)	2462	Ant1	17.59	0.5	Pass
NVNT	n(HT40)	2422	Ant1	35.51	0.5	Pass
NVNT	n(HT40)	2437	Ant1	35.36	0.5	Pass
NVNT	n(HT40)	2452	Ant1	35.71	0.5	Pass

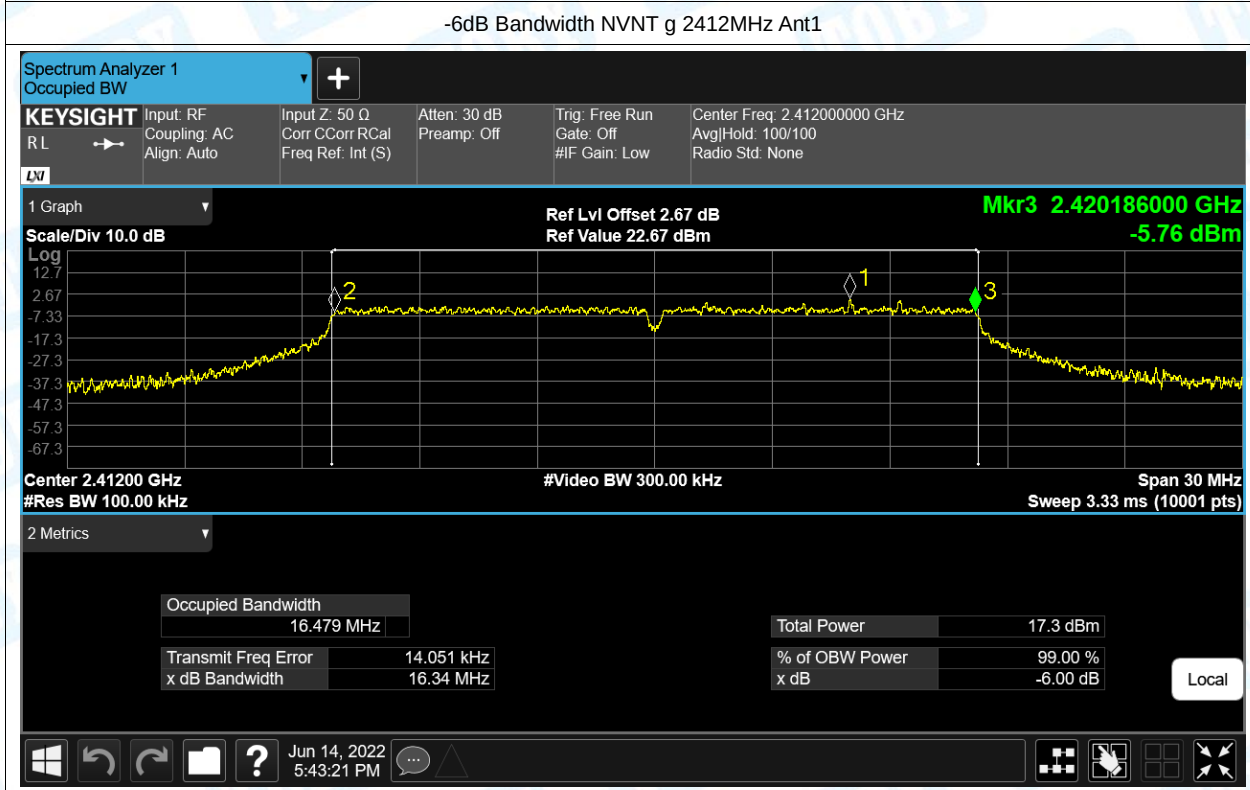
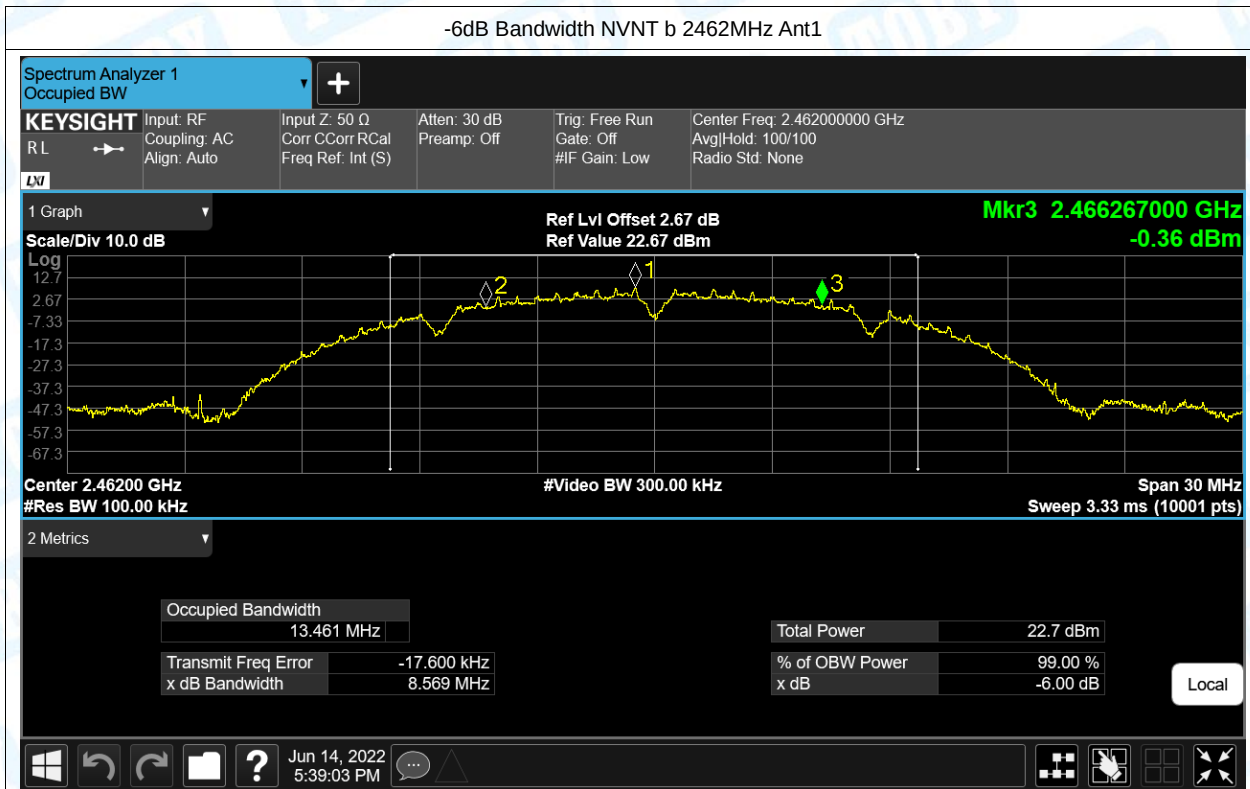
Test Graphs

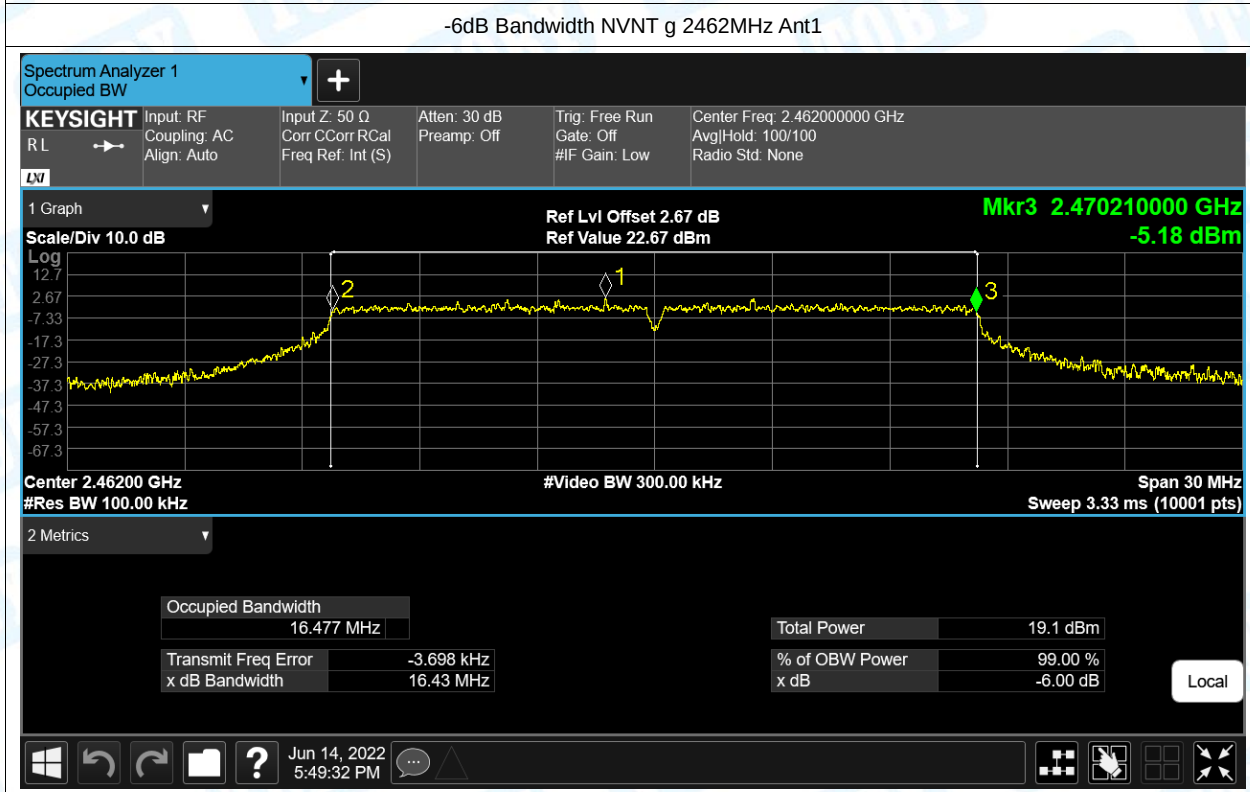
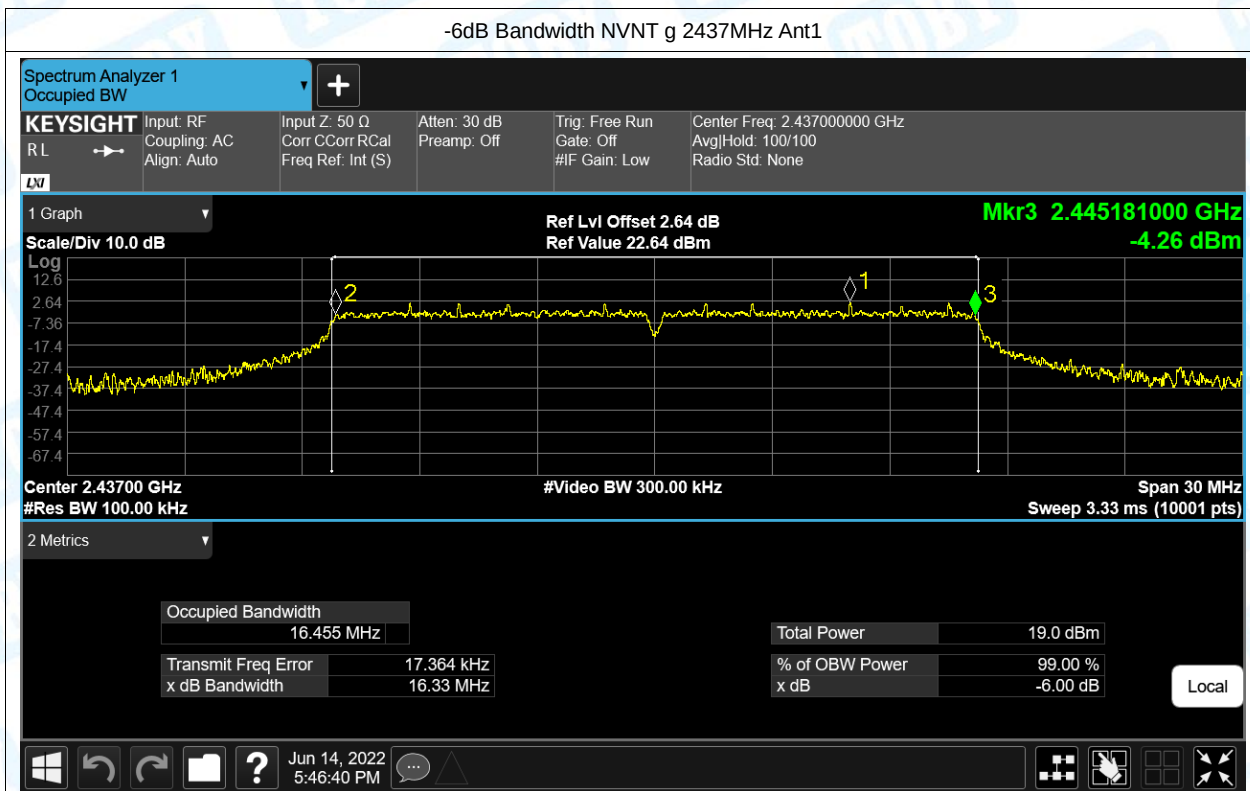
-6dB Bandwidth NVNT b 2412MHz Ant1



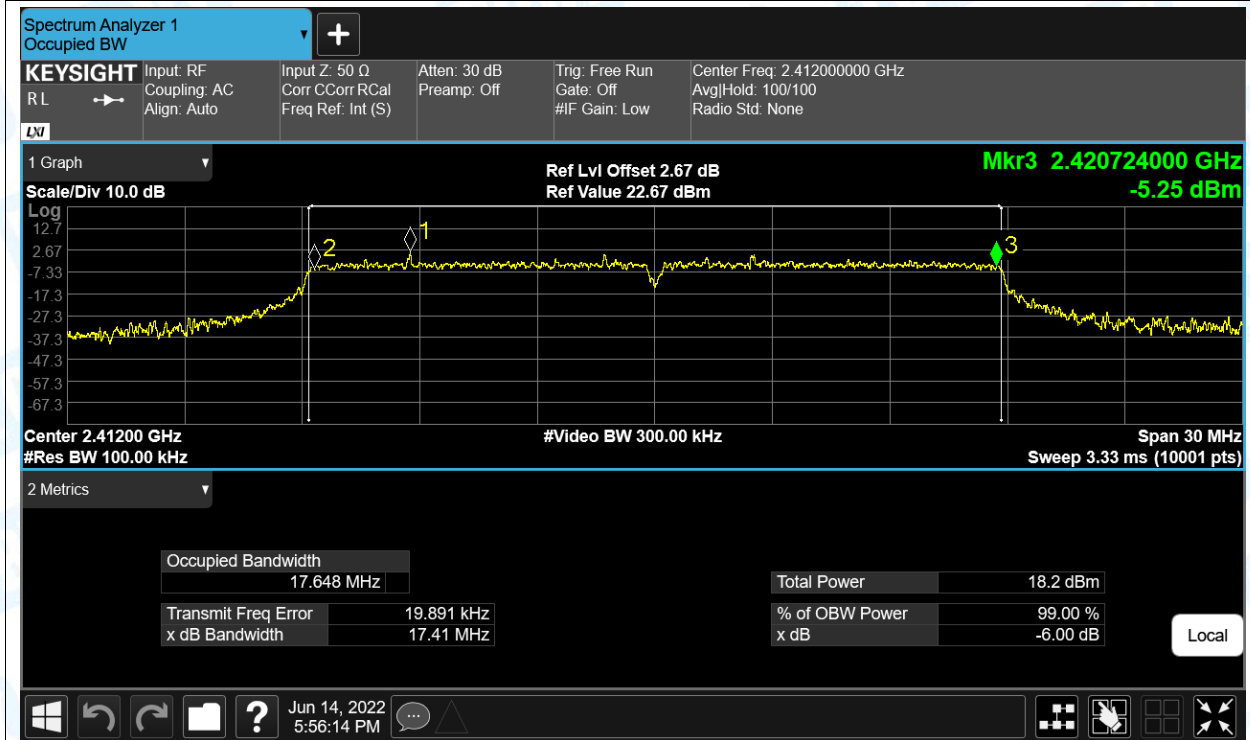
-6dB Bandwidth NVNT b 2437MHz Ant1



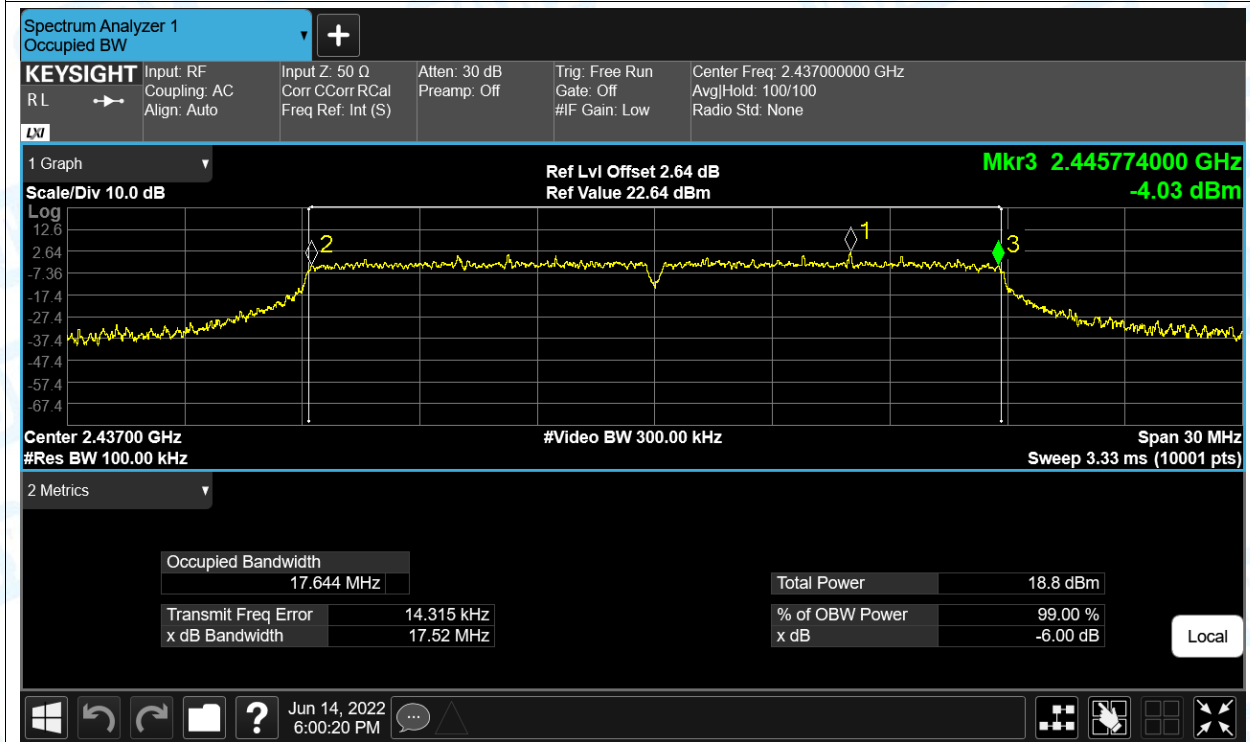


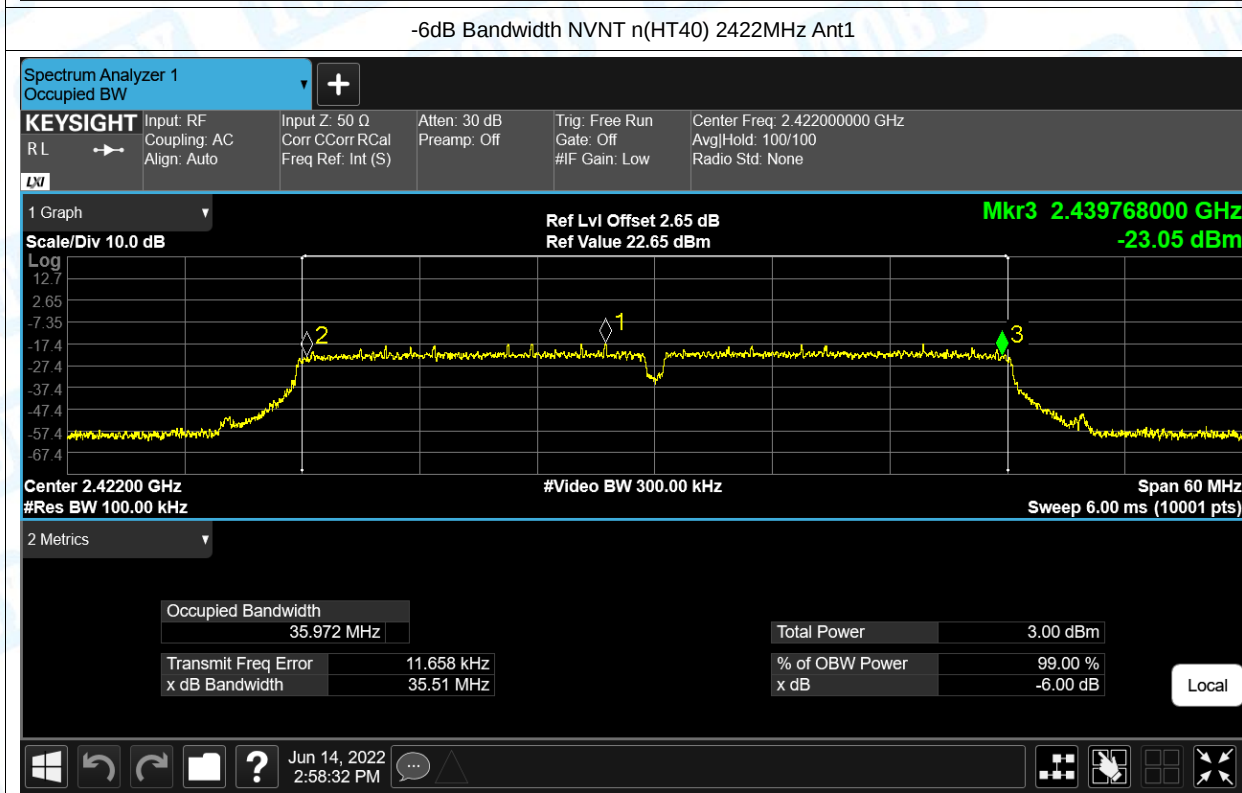
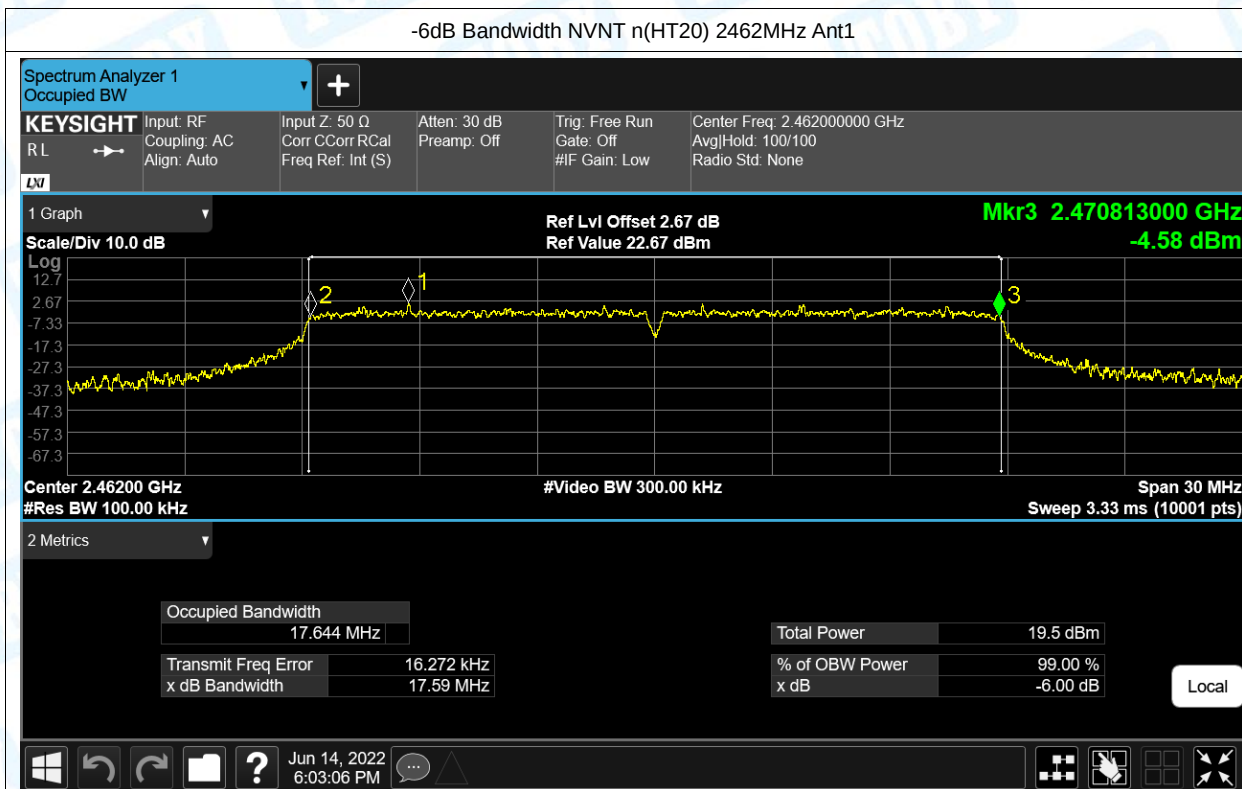


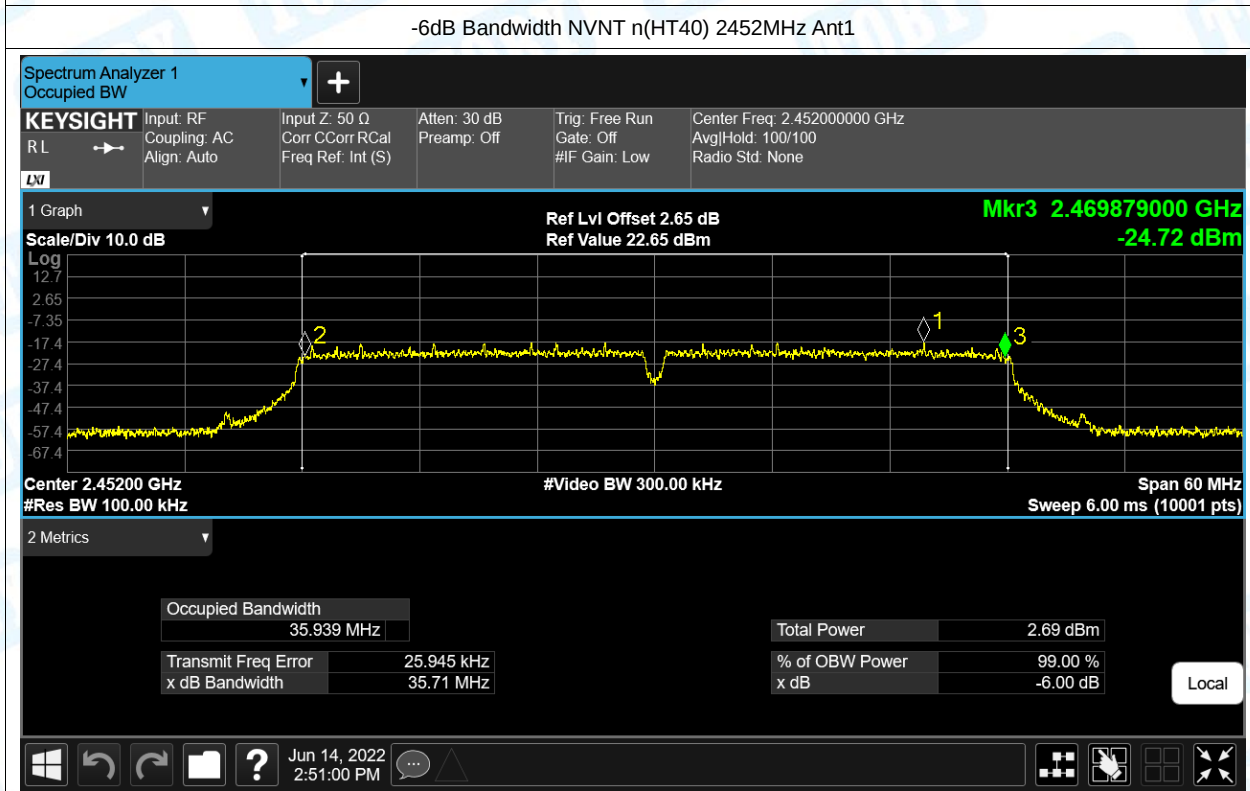
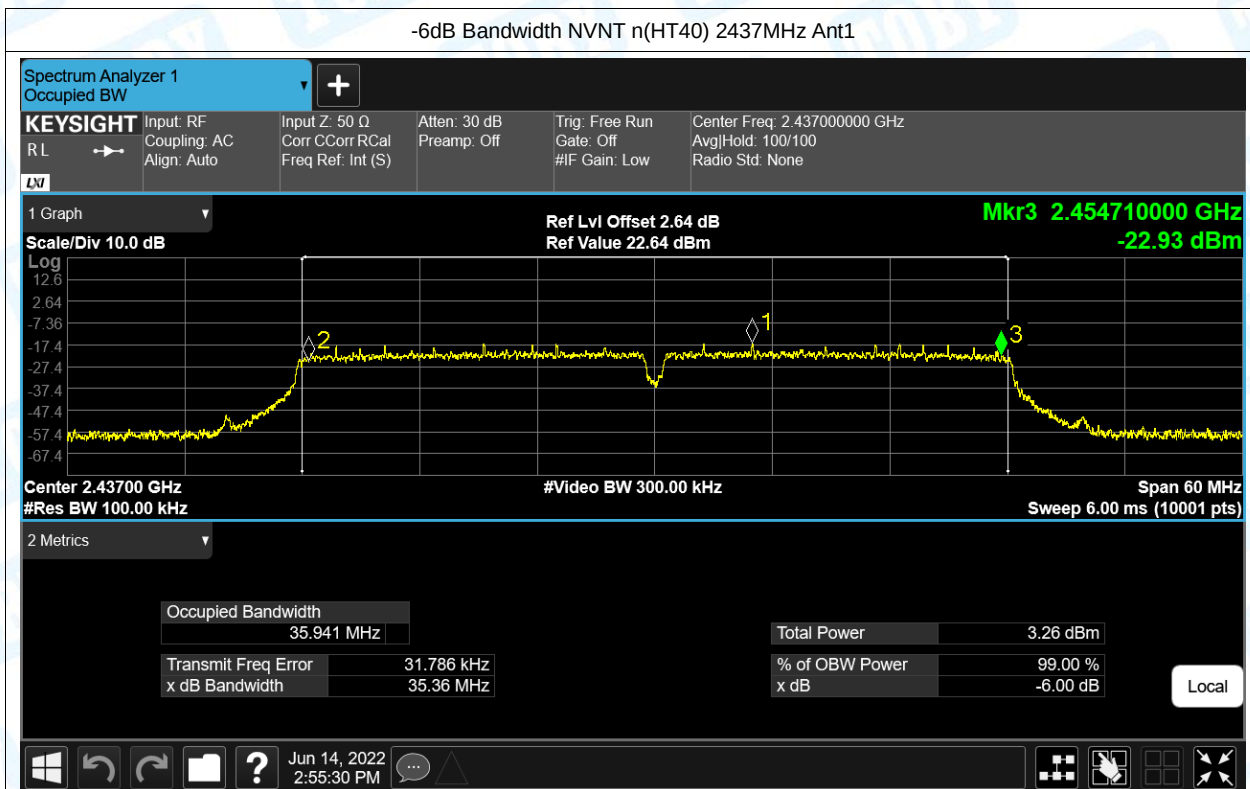
-6dB Bandwidth NVNT n(HT20) 2412MHz Ant1



-6dB Bandwidth NVNT n(HT20) 2437MHz Ant1

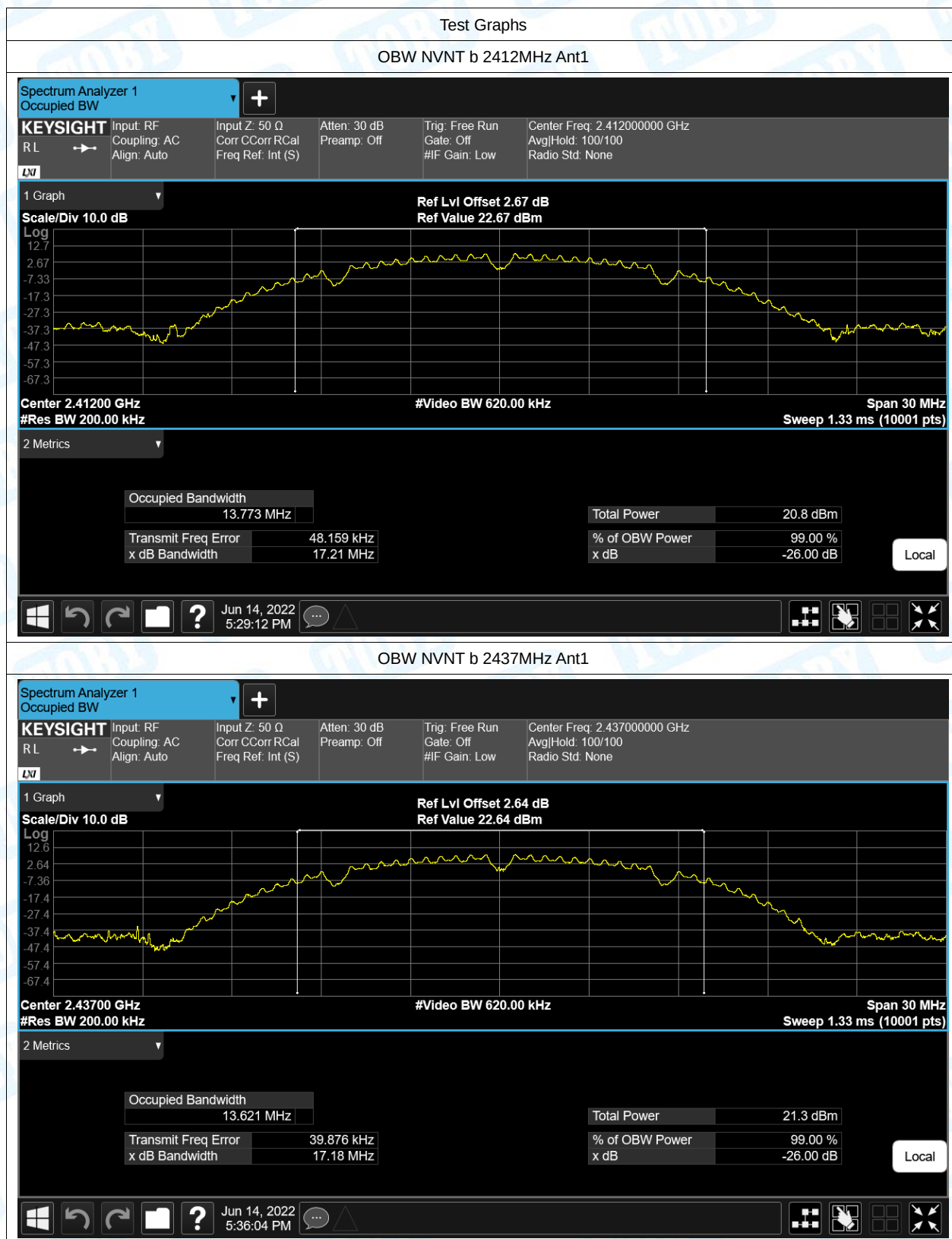




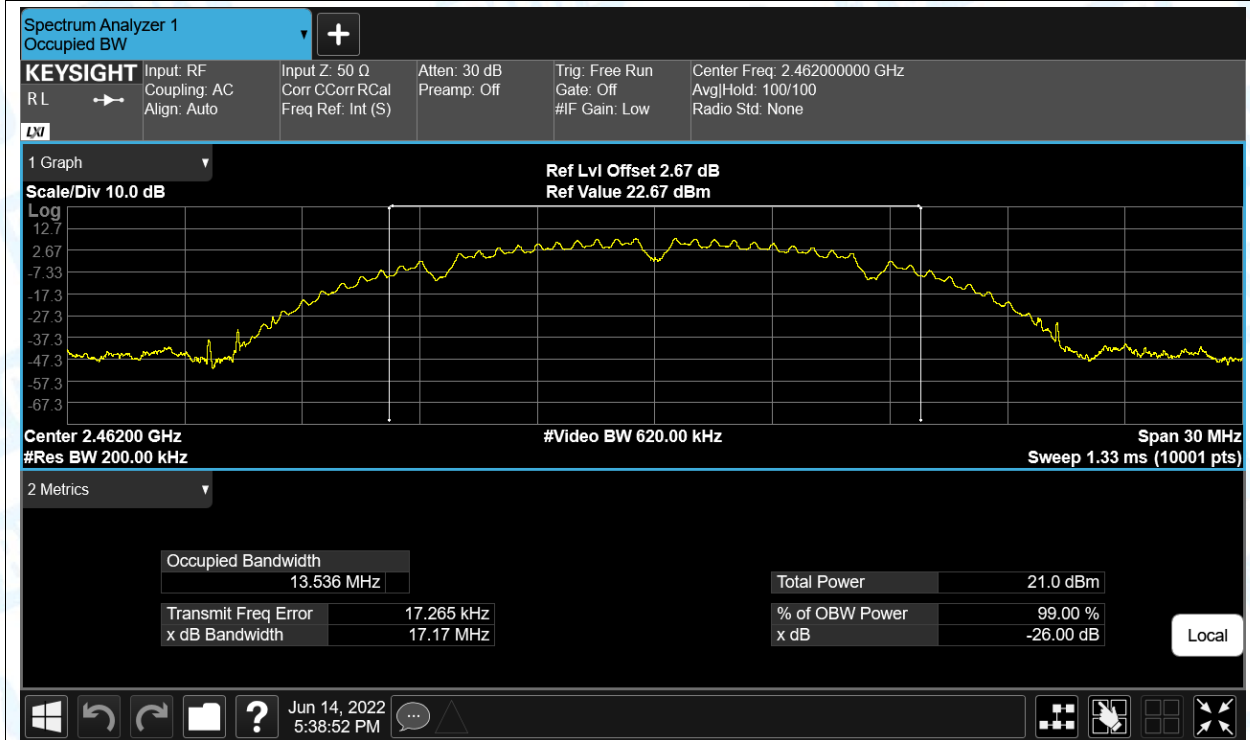


4.Occupied Channel Bandwidth

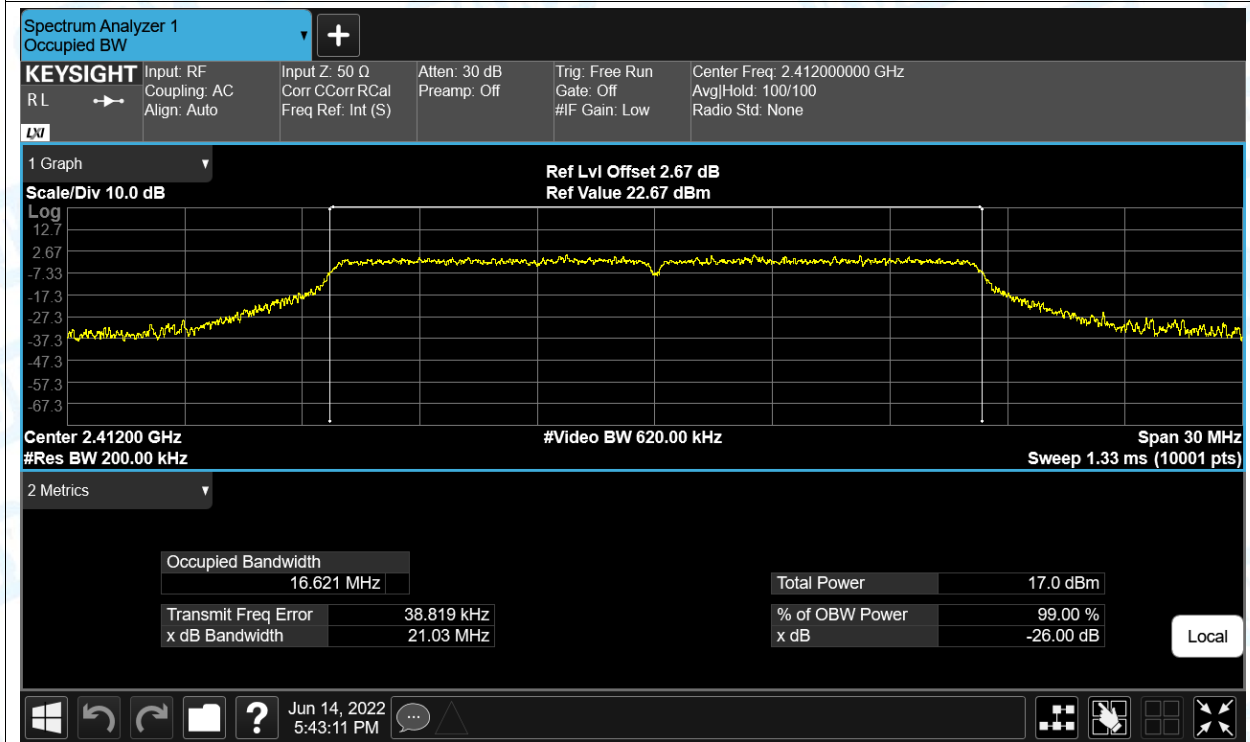
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	13.773
NVNT	b	2437	Ant1	13.621
NVNT	b	2462	Ant1	13.536
NVNT	g	2412	Ant1	16.621
NVNT	g	2437	Ant1	16.597
NVNT	g	2462	Ant1	16.608
NVNT	n(HT20)	2412	Ant1	17.727
NVNT	n(HT20)	2437	Ant1	17.708
NVNT	n(HT20)	2462	Ant1	17.709
NVNT	n(HT40)	2422	Ant1	36.081
NVNT	n(HT40)	2437	Ant1	36.041
NVNT	n(HT40)	2452	Ant1	36.063

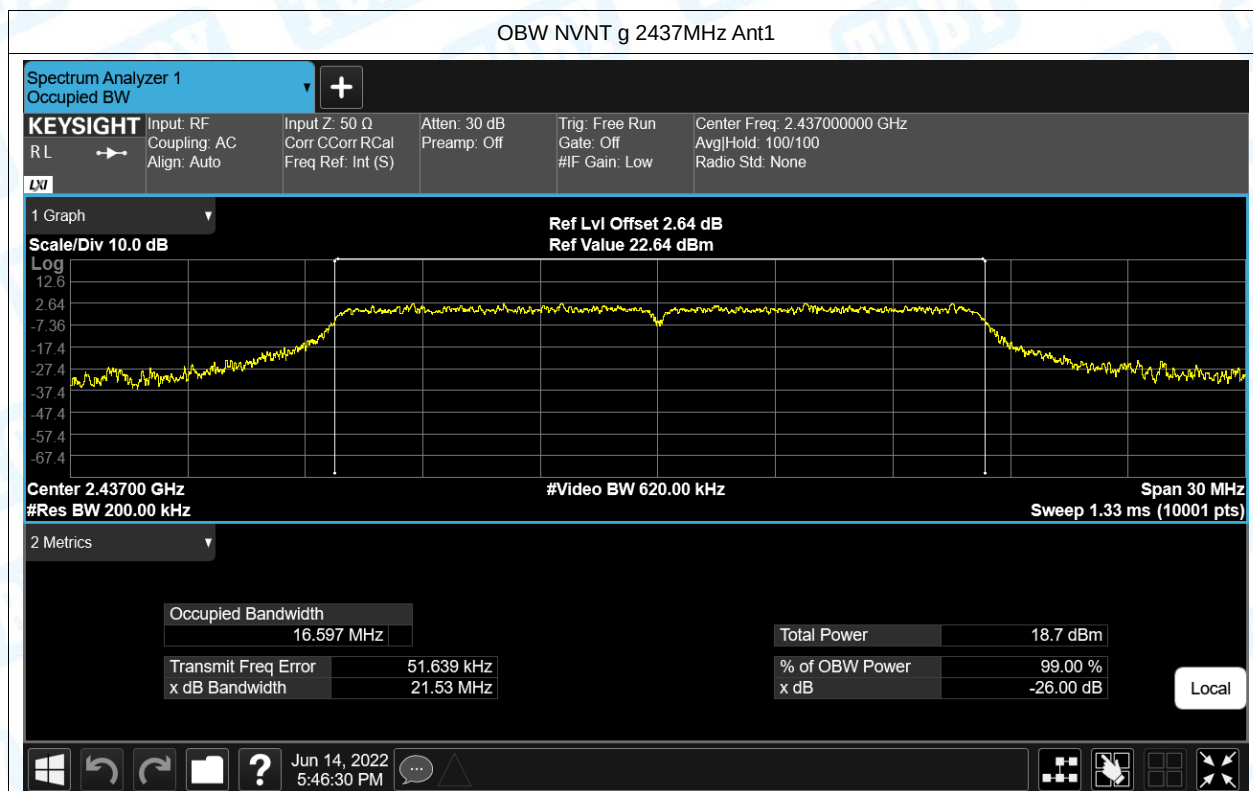


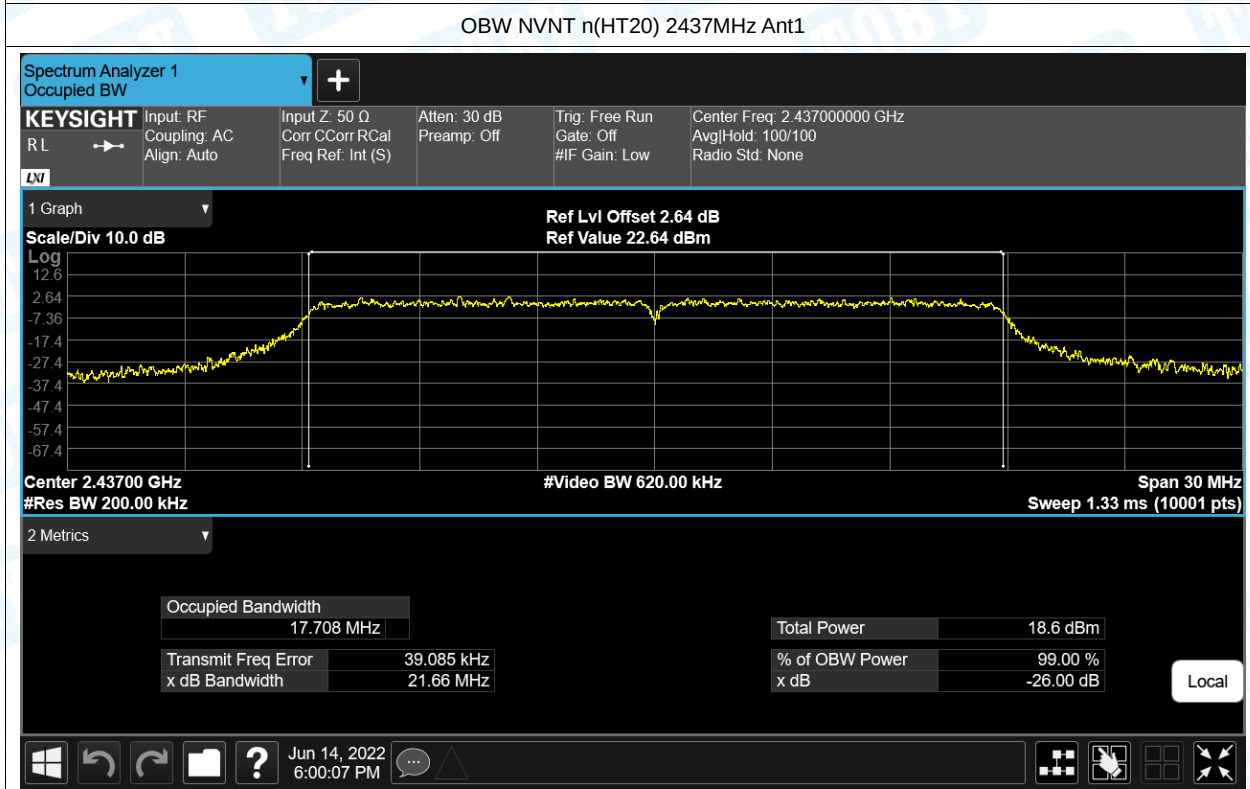
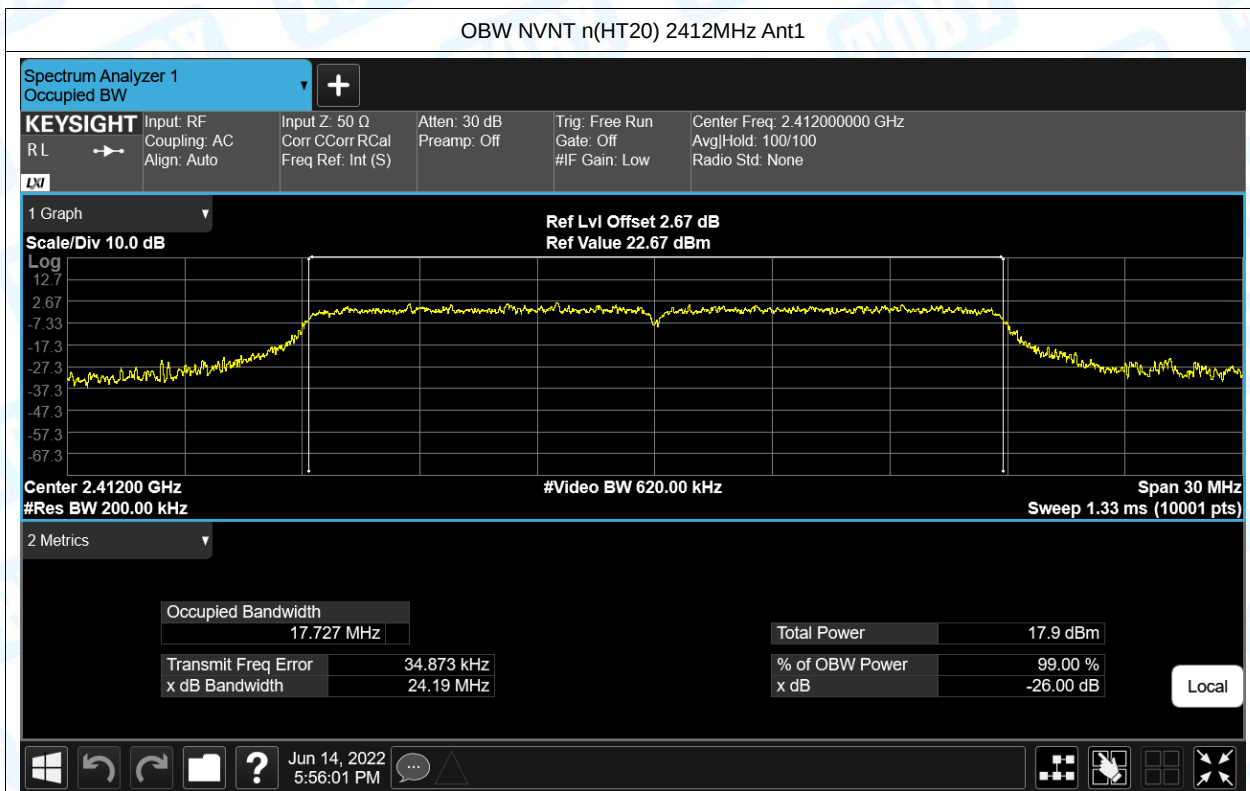
OBW NVNT b 2462MHz Ant1

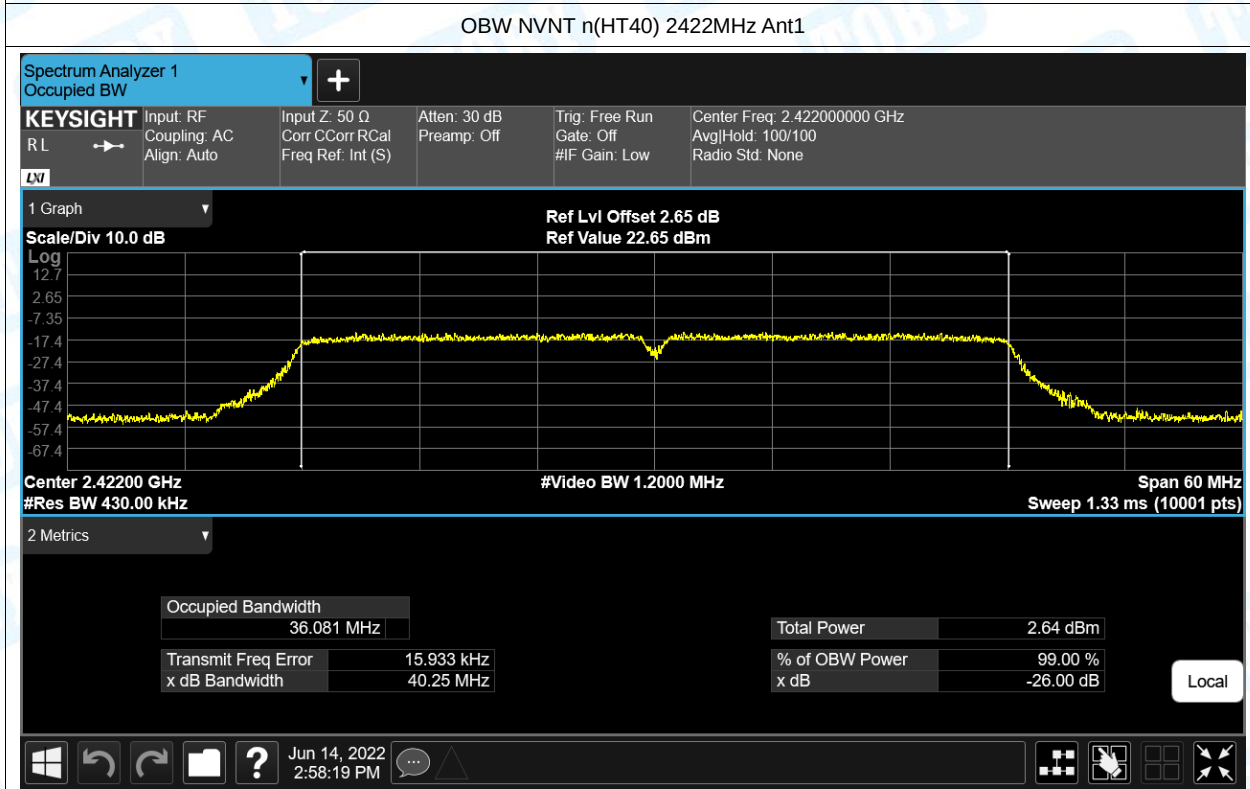
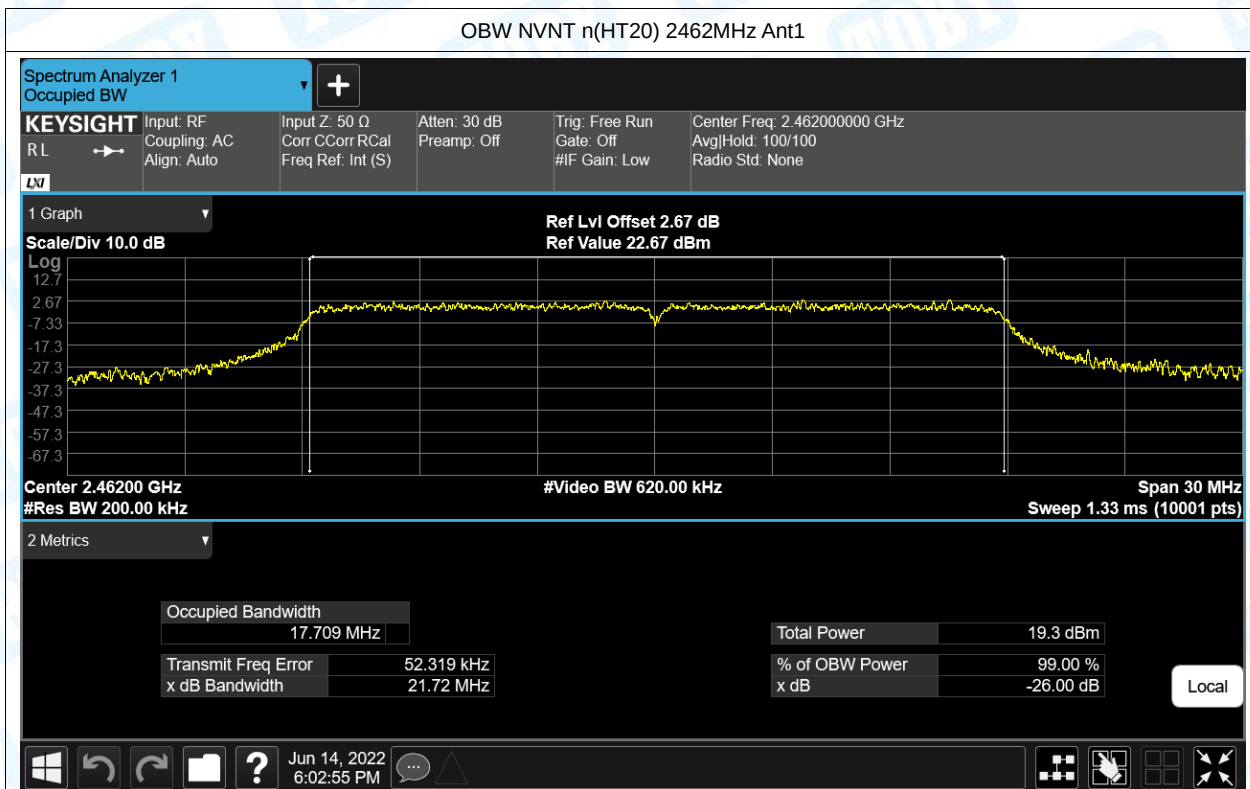


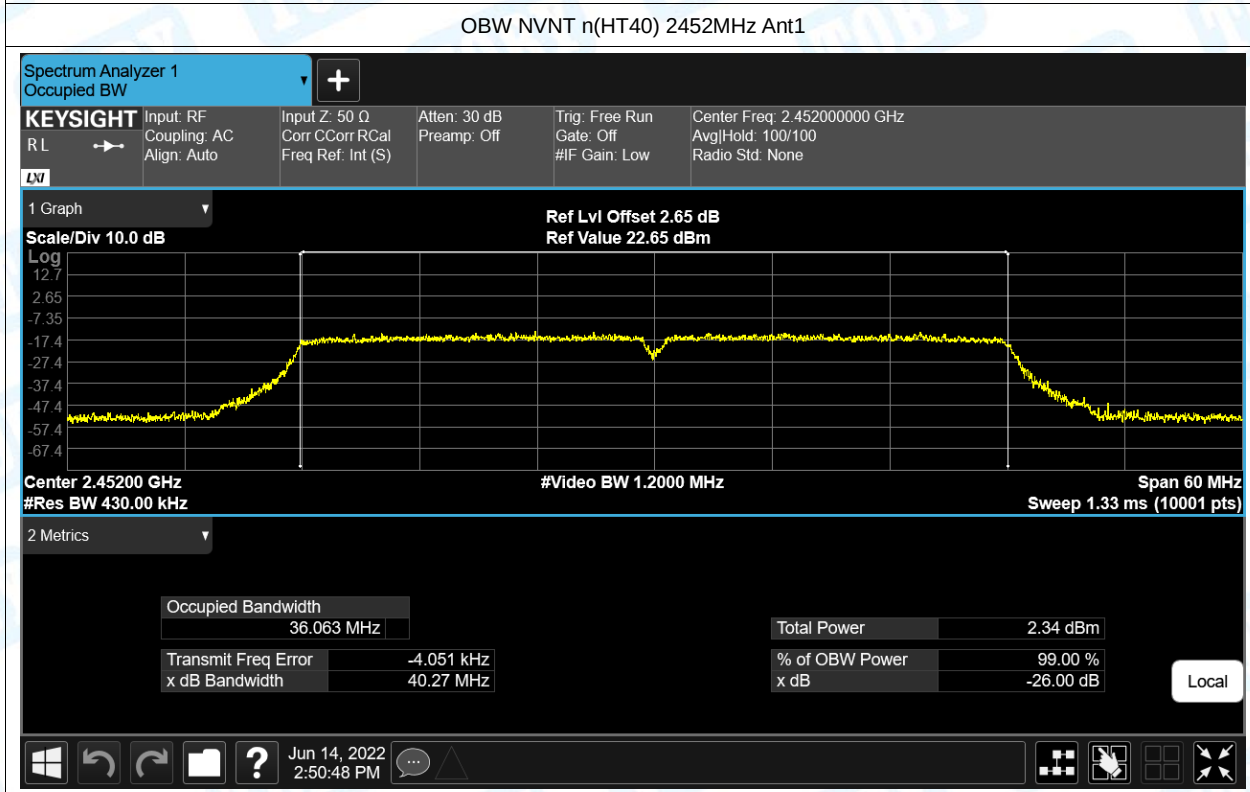
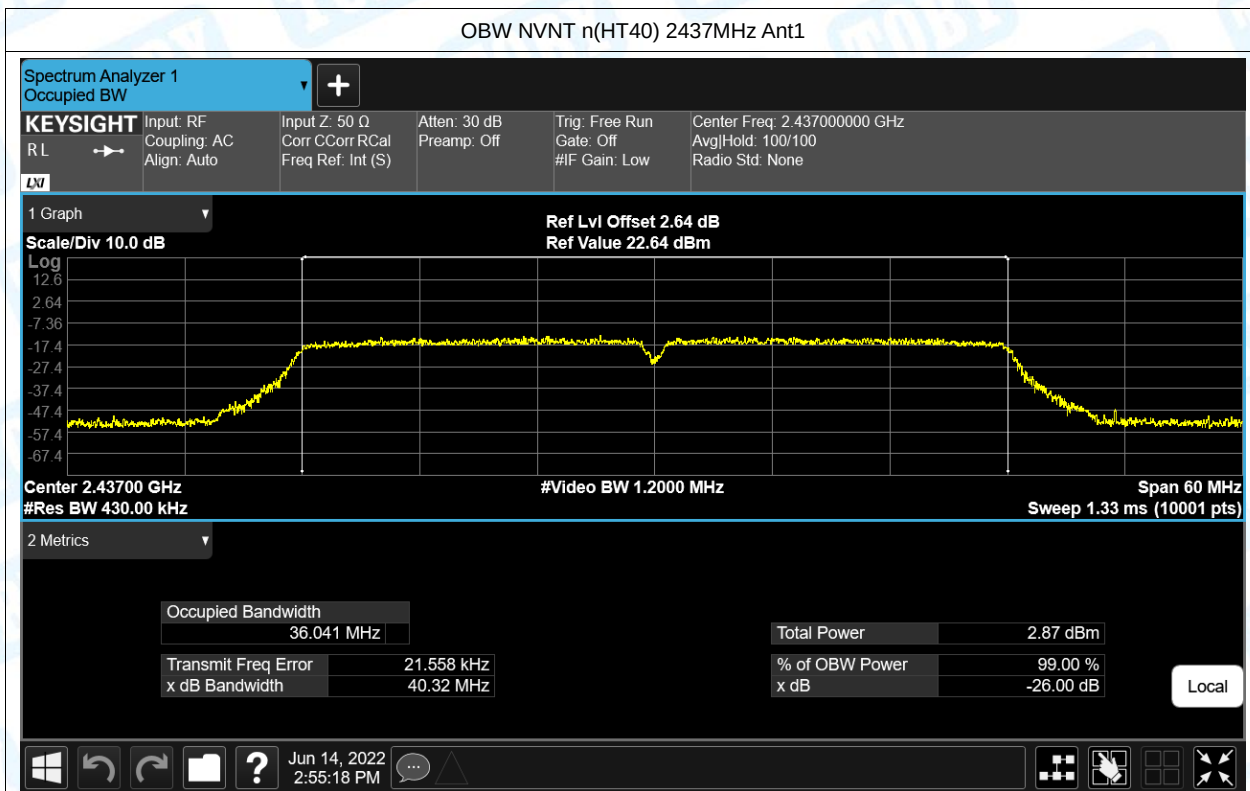
OBW NVNT g 2412MHz Ant1







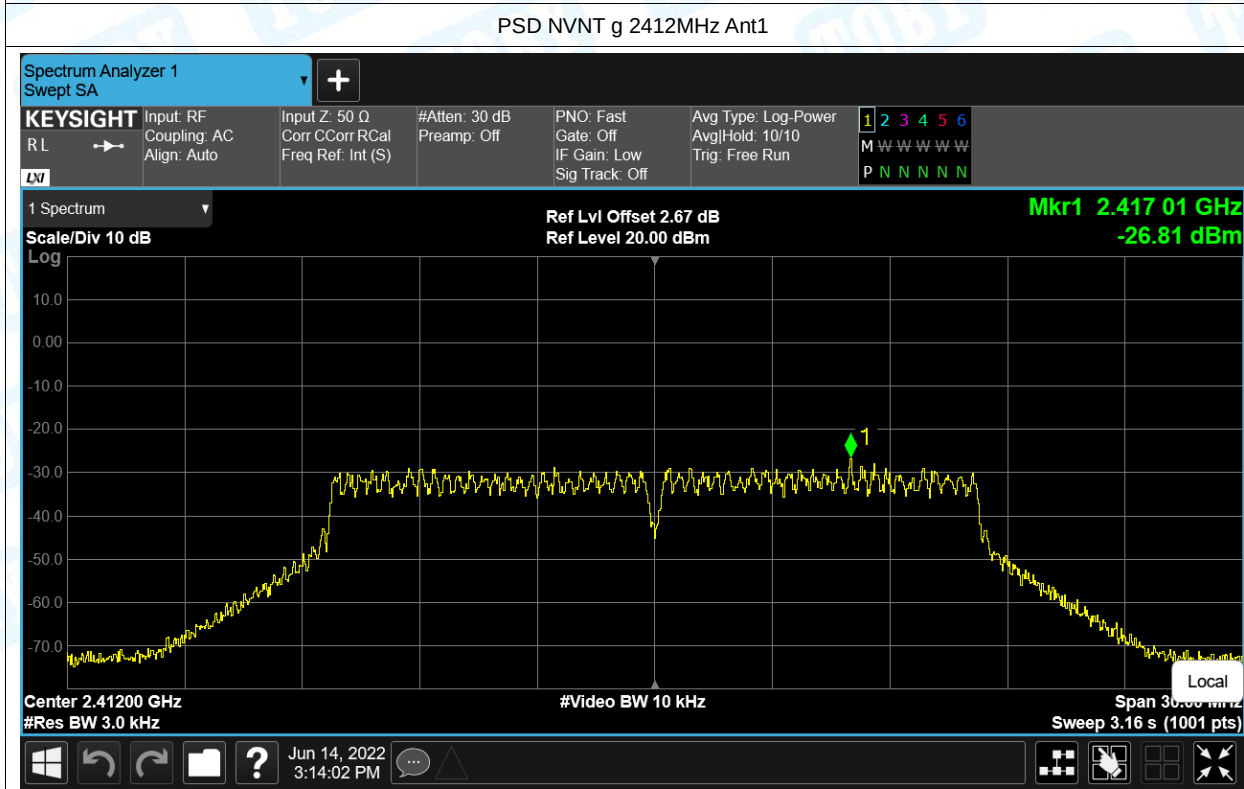
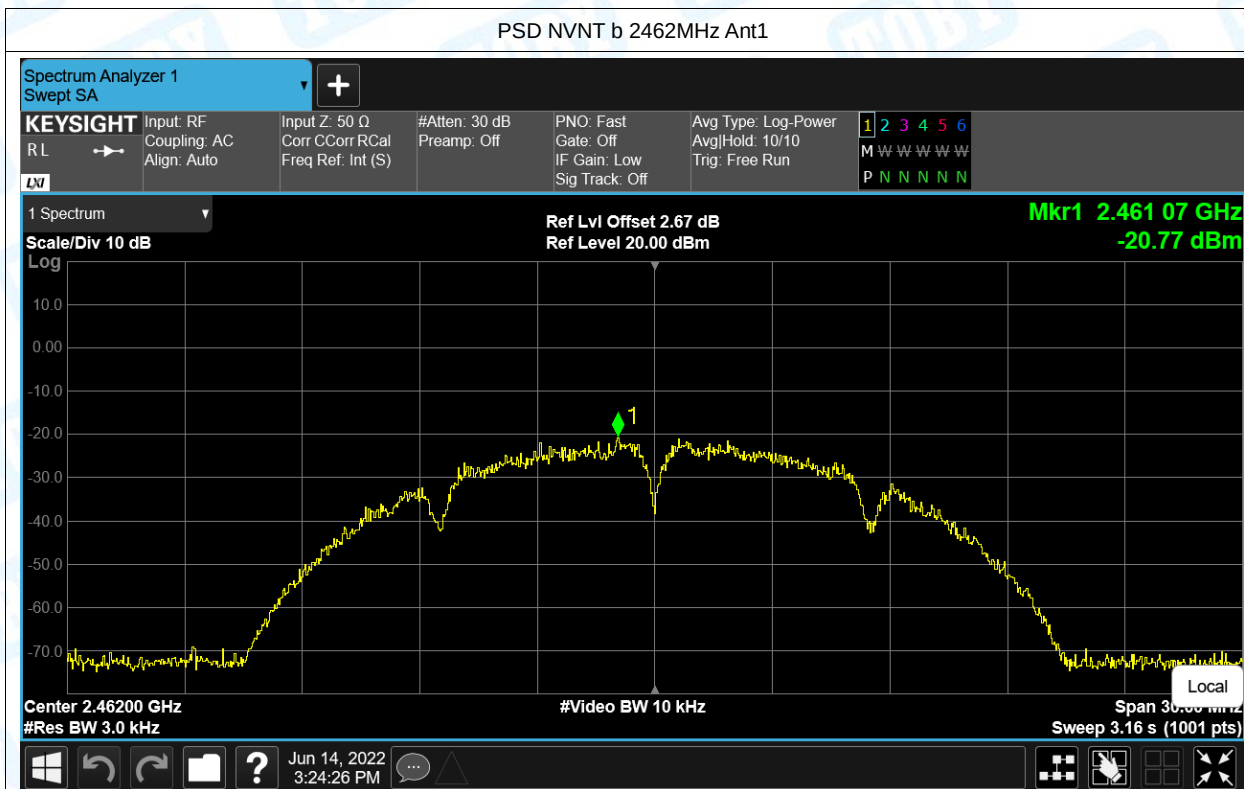


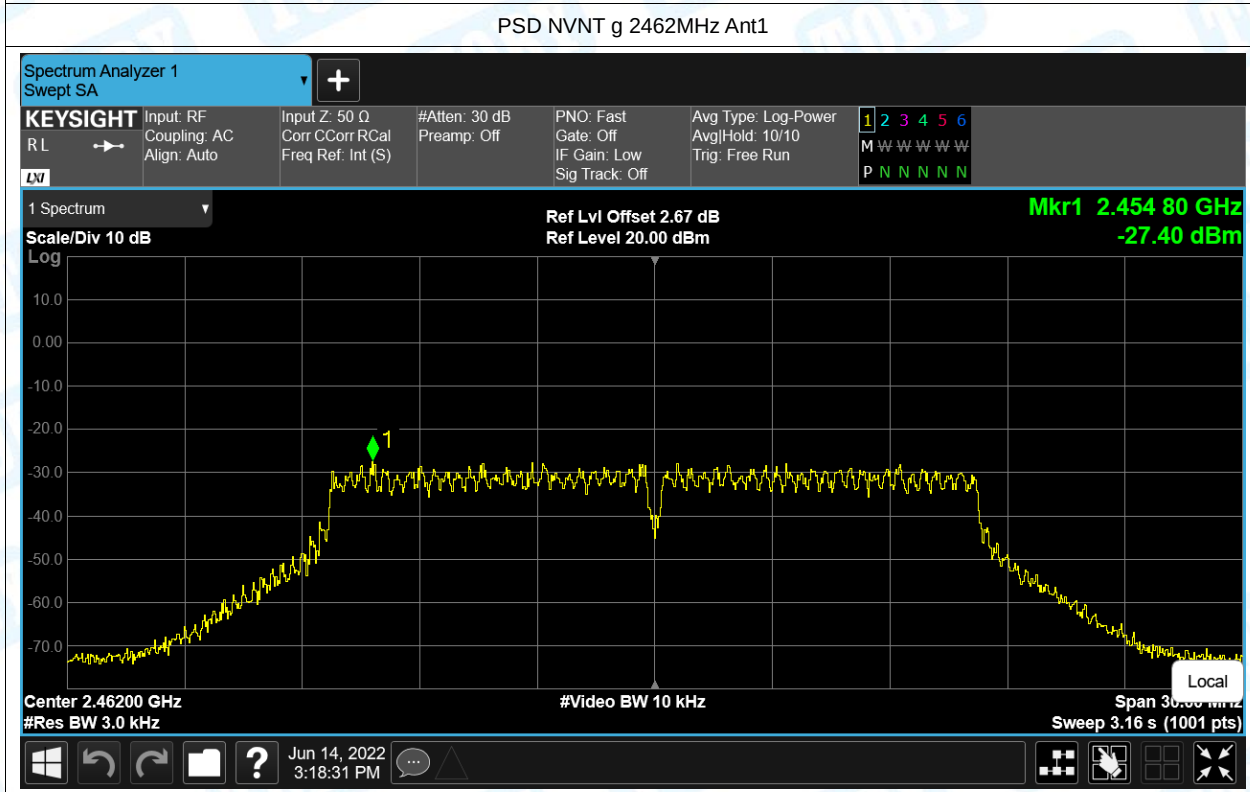
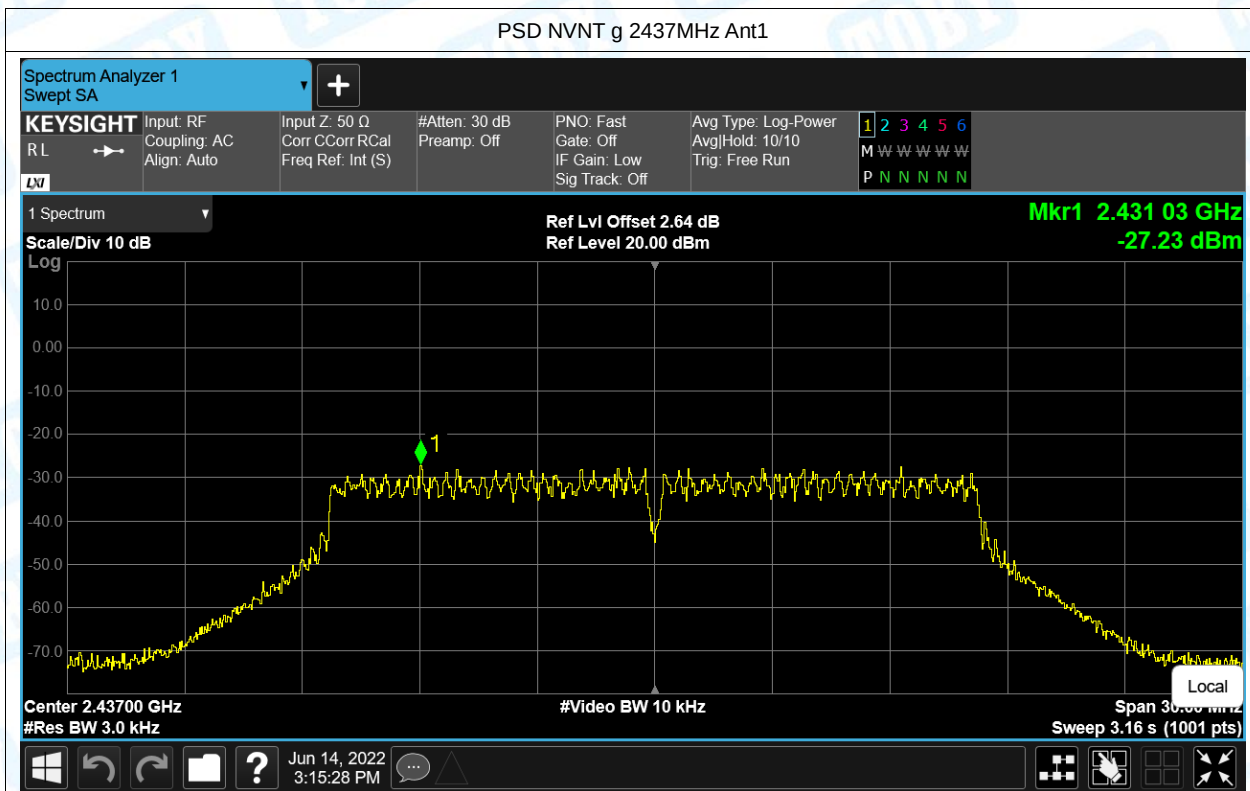


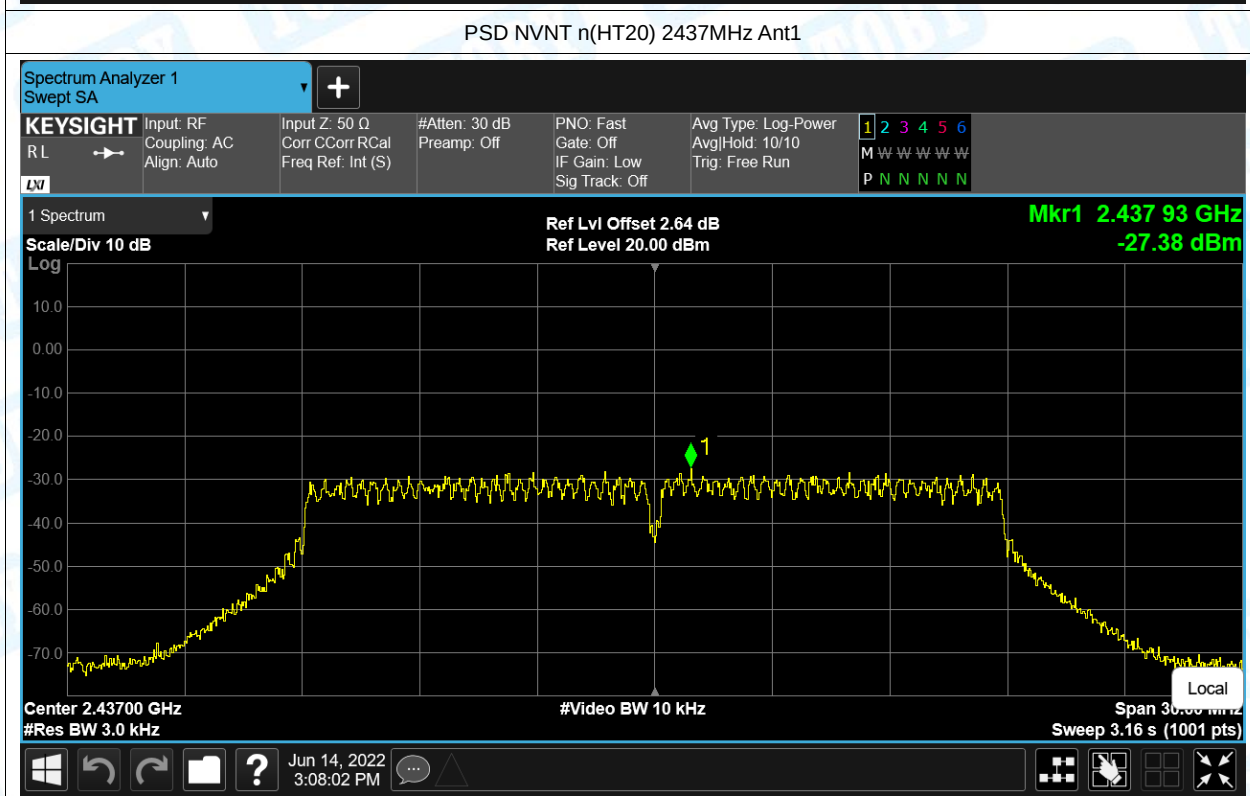
5.Maximum Power Spectral Density Level

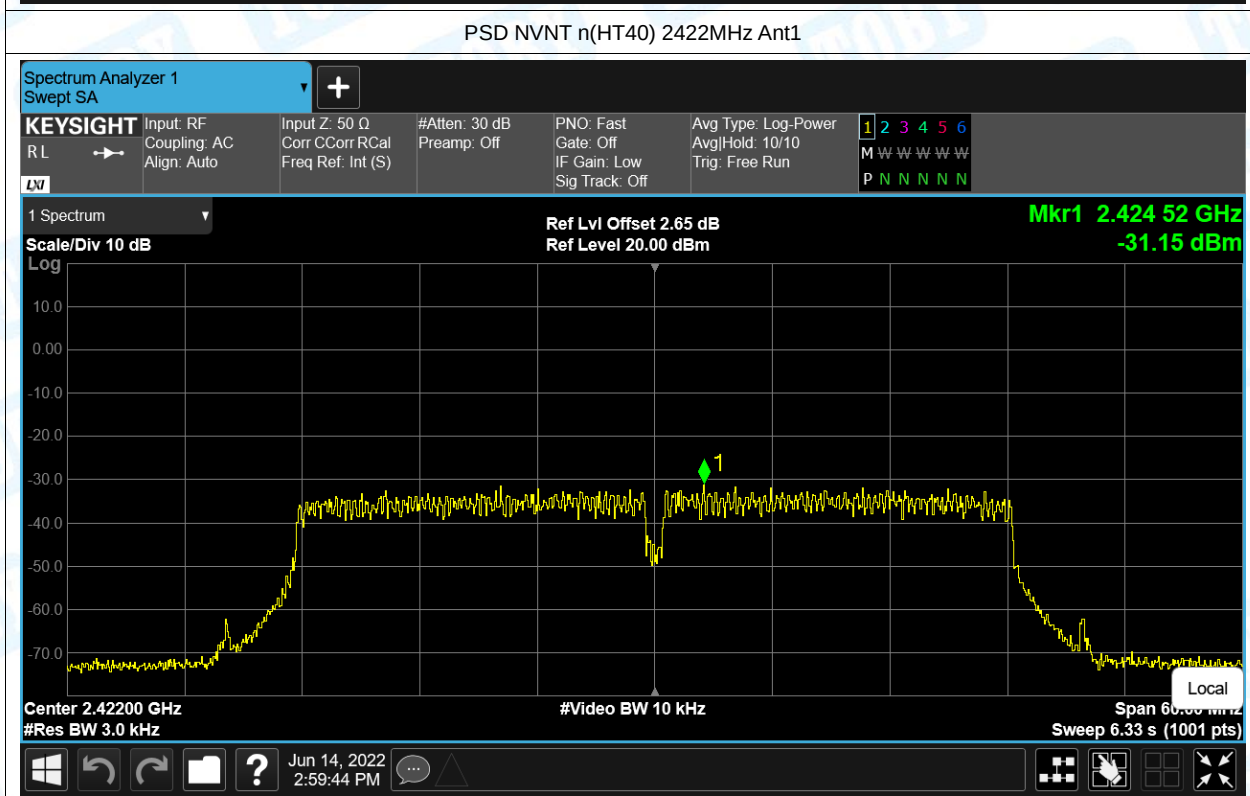
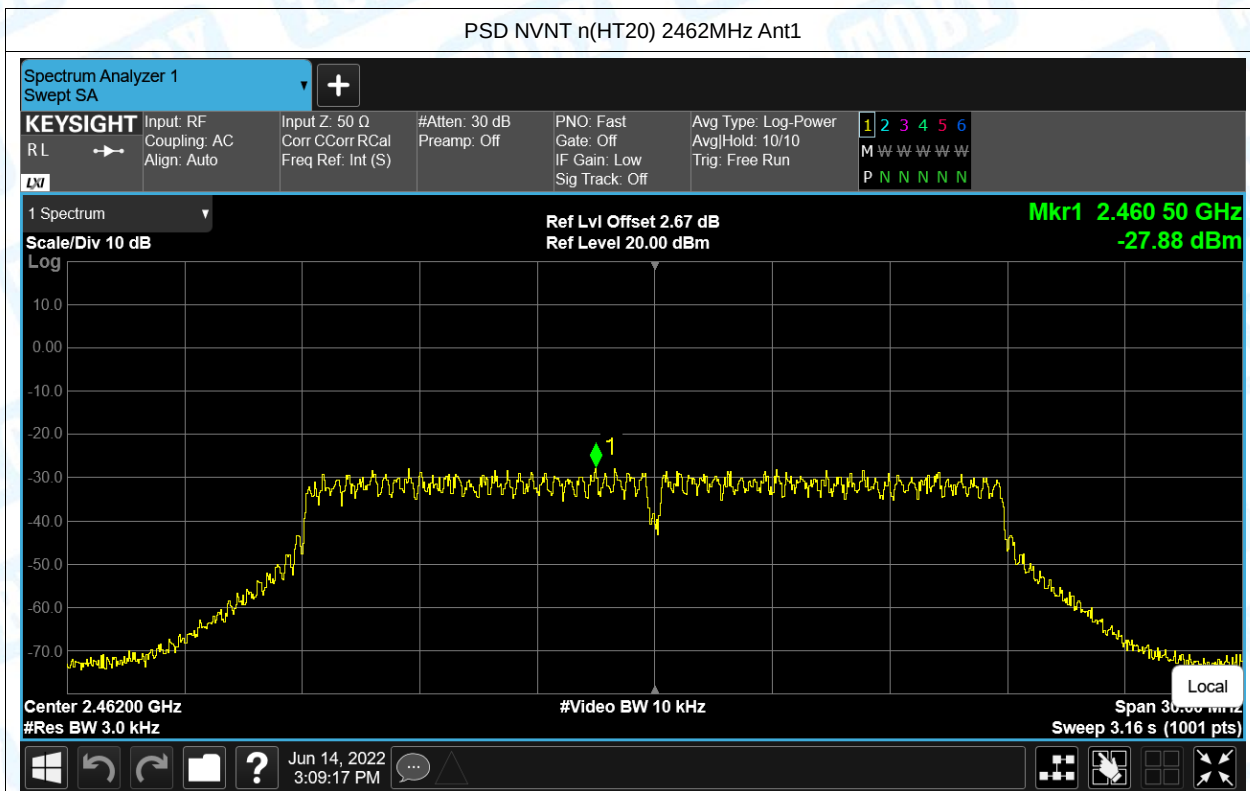
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-21.329	8	Pass
NVNT	b	2437	Ant1	-20.573	8	Pass
NVNT	b	2462	Ant1	-20.767	8	Pass
NVNT	g	2412	Ant1	-26.81	8	Pass
NVNT	g	2437	Ant1	-27.226	8	Pass
NVNT	g	2462	Ant1	-27.398	8	Pass
NVNT	n(HT20)	2412	Ant1	-27.997	8	Pass
NVNT	n(HT20)	2437	Ant1	-27.376	8	Pass
NVNT	n(HT20)	2462	Ant1	-27.878	8	Pass
NVNT	n(HT40)	2422	Ant1	-31.15	8	Pass
NVNT	n(HT40)	2437	Ant1	-31.257	8	Pass
NVNT	n(HT40)	2452	Ant1	-31.541	8	Pass

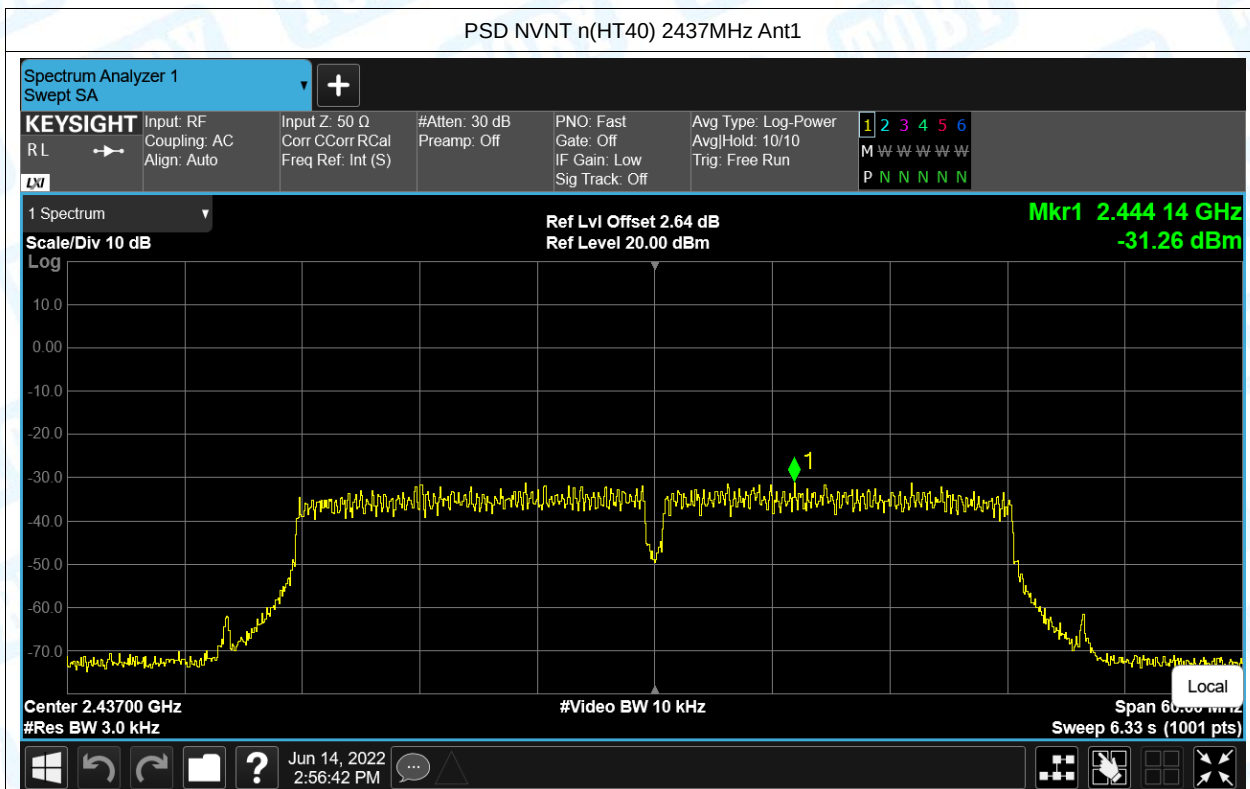








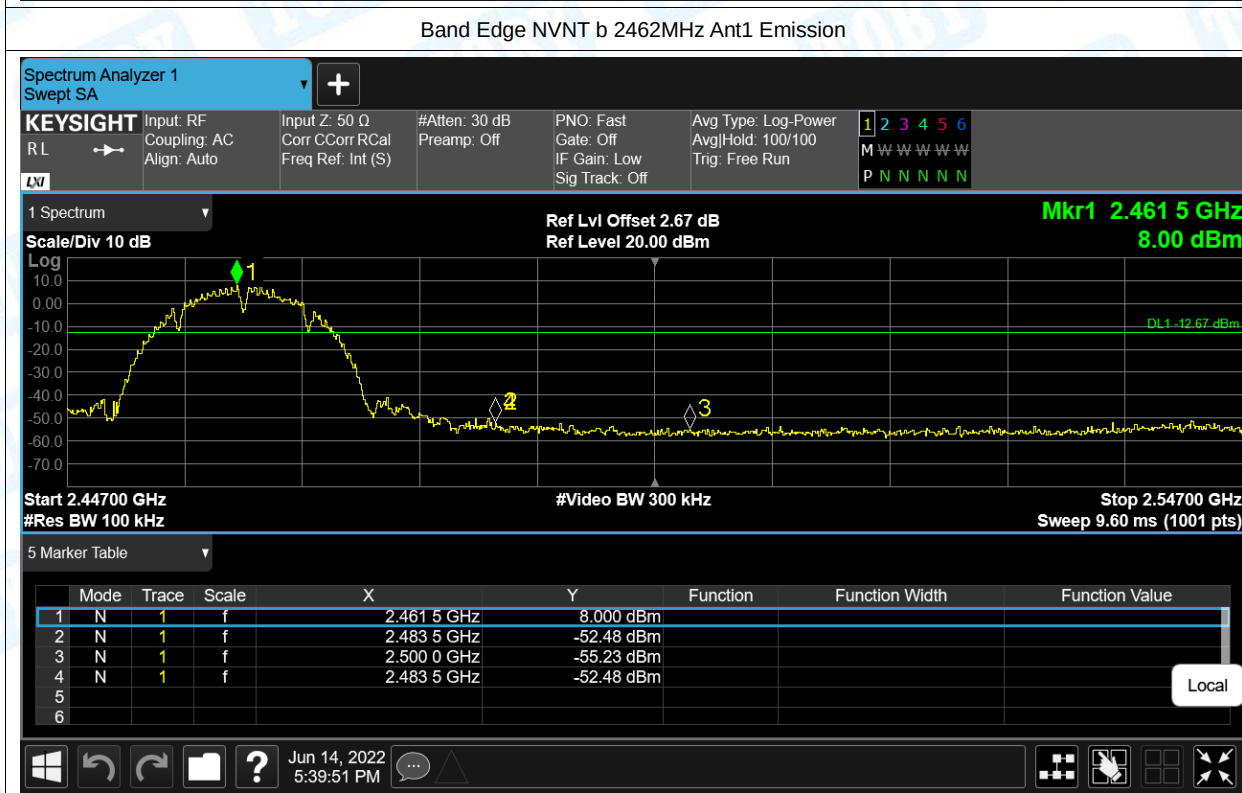
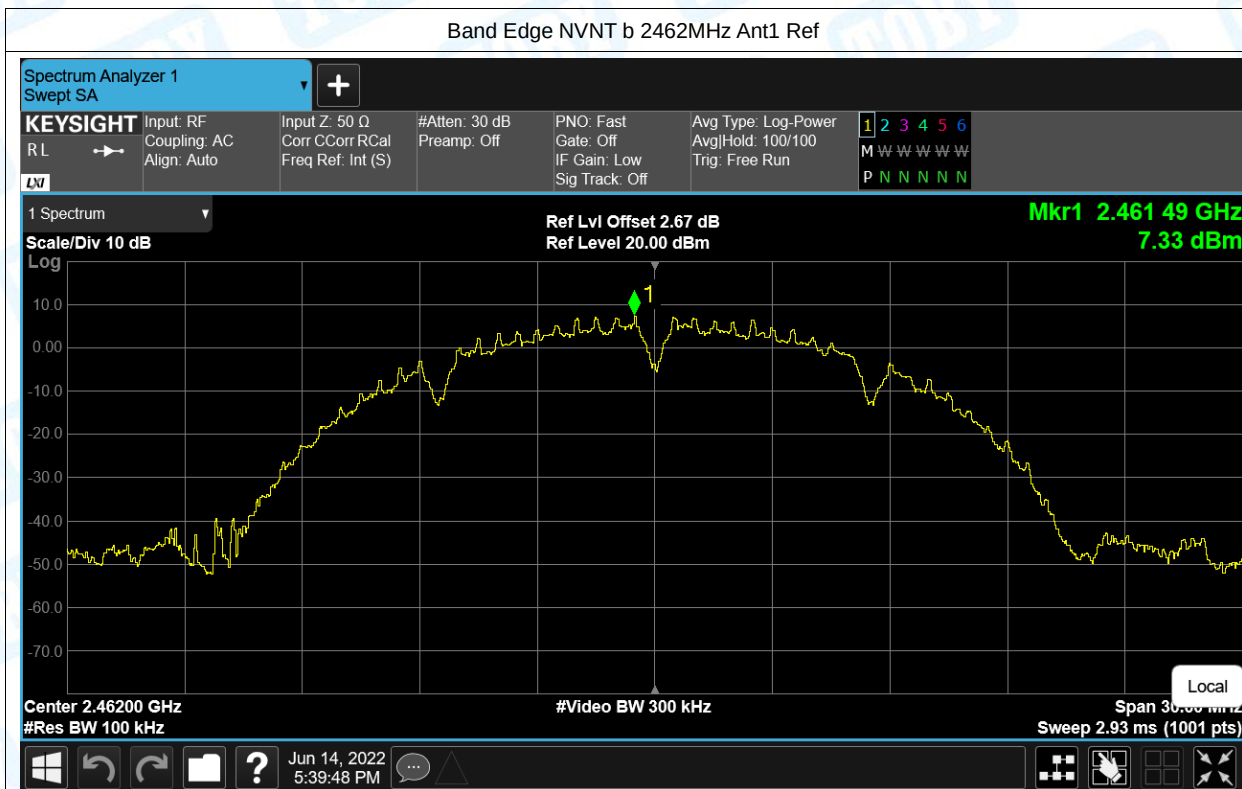


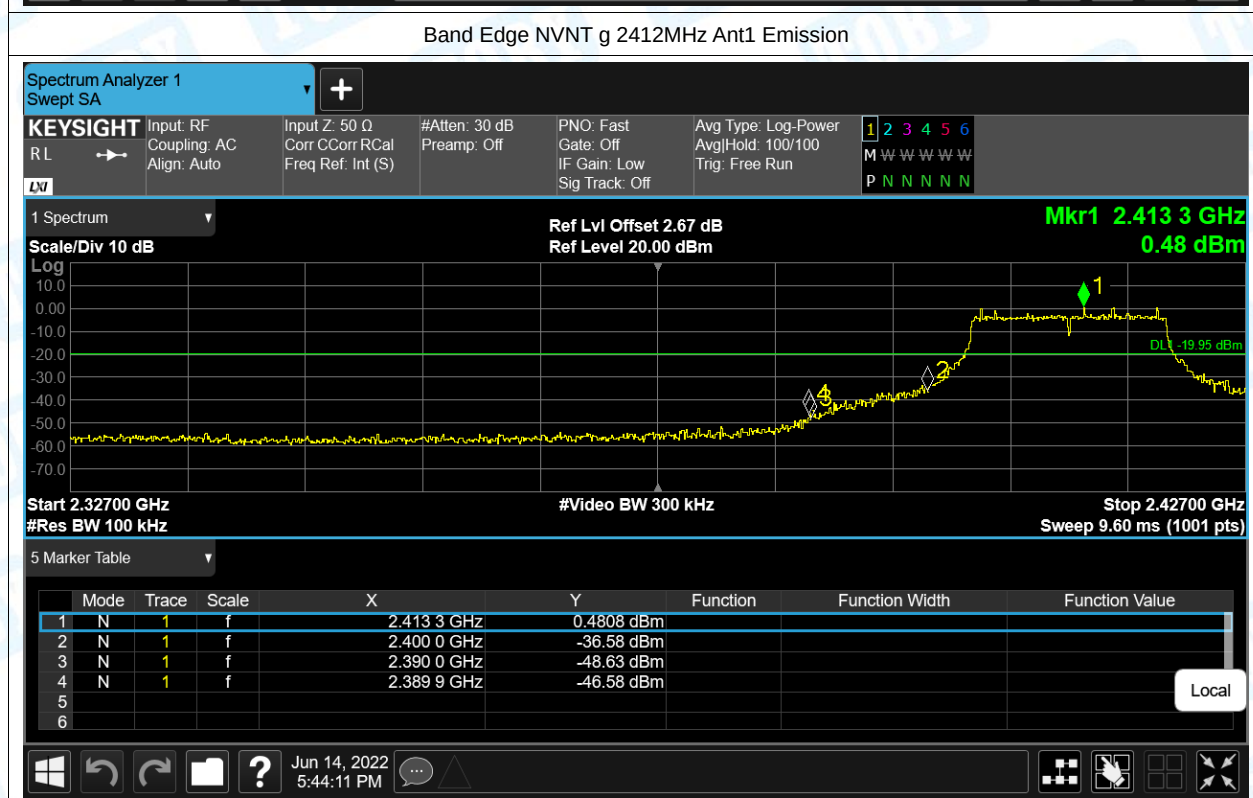


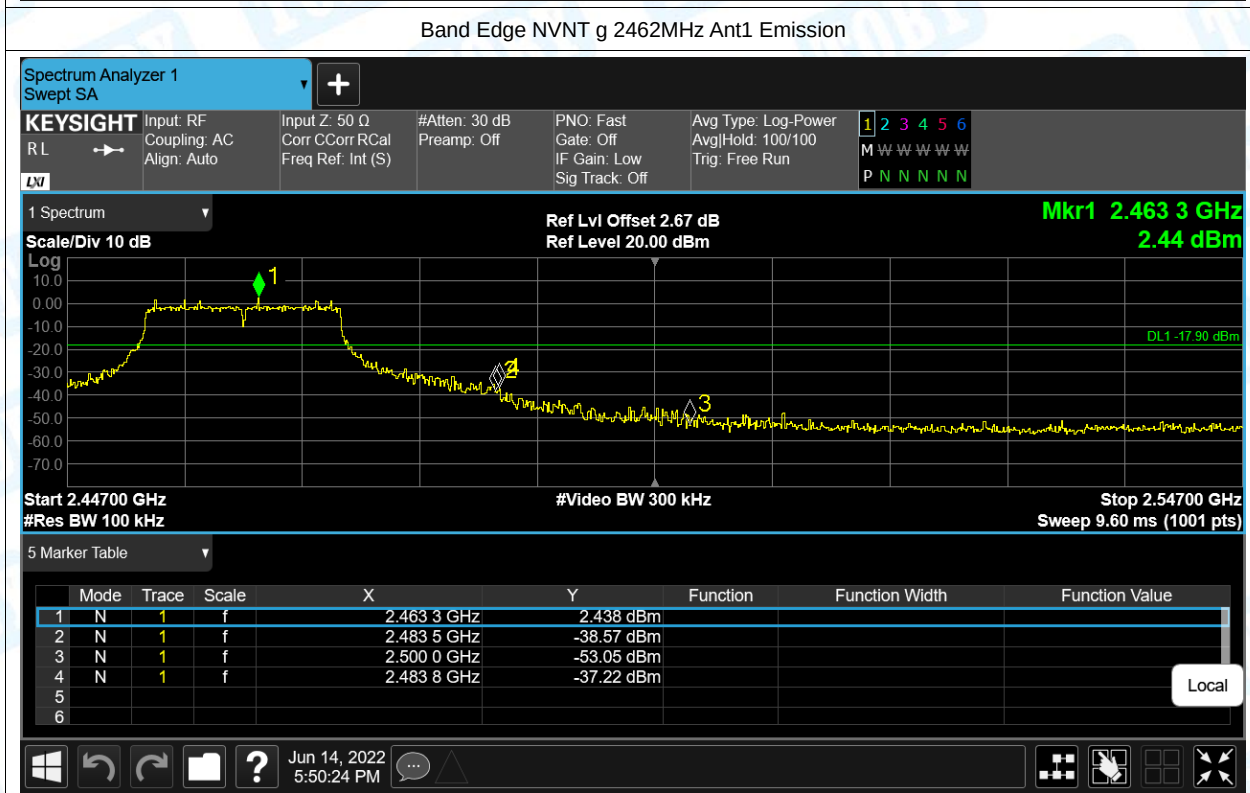
6.Band Edge

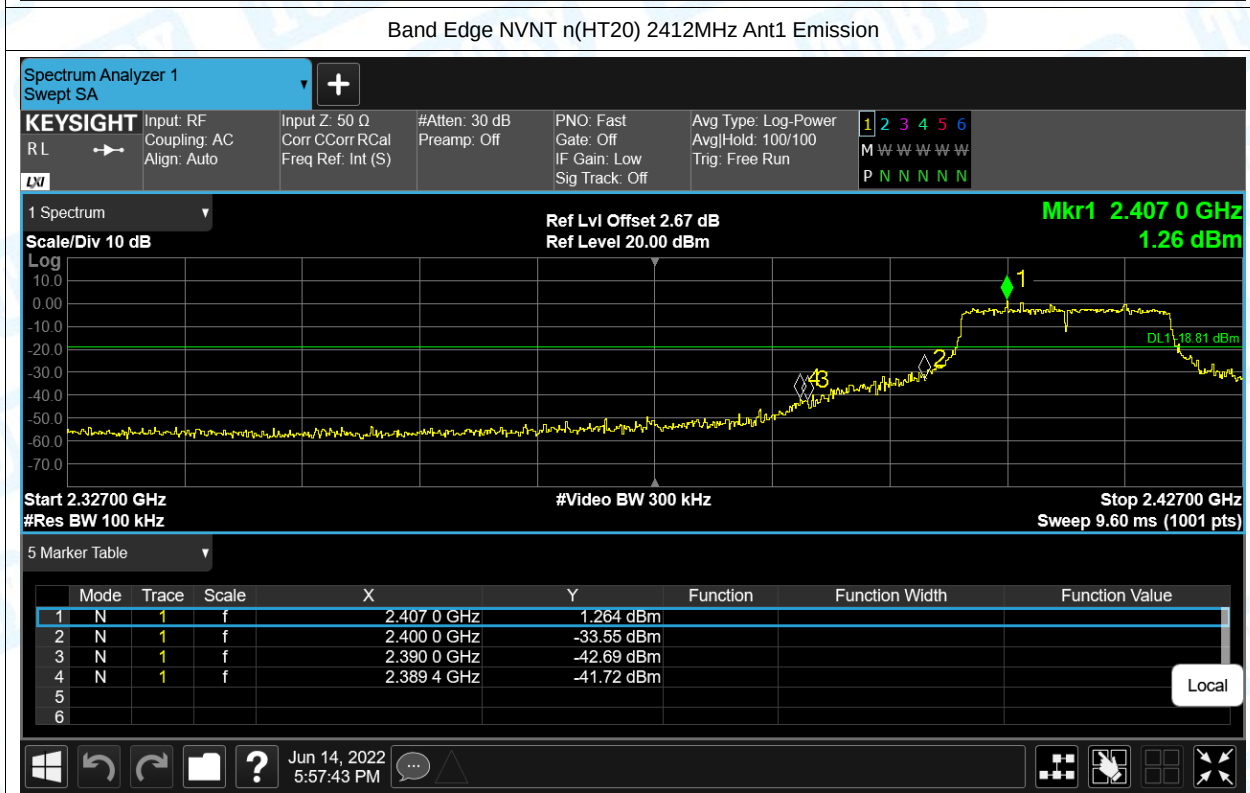
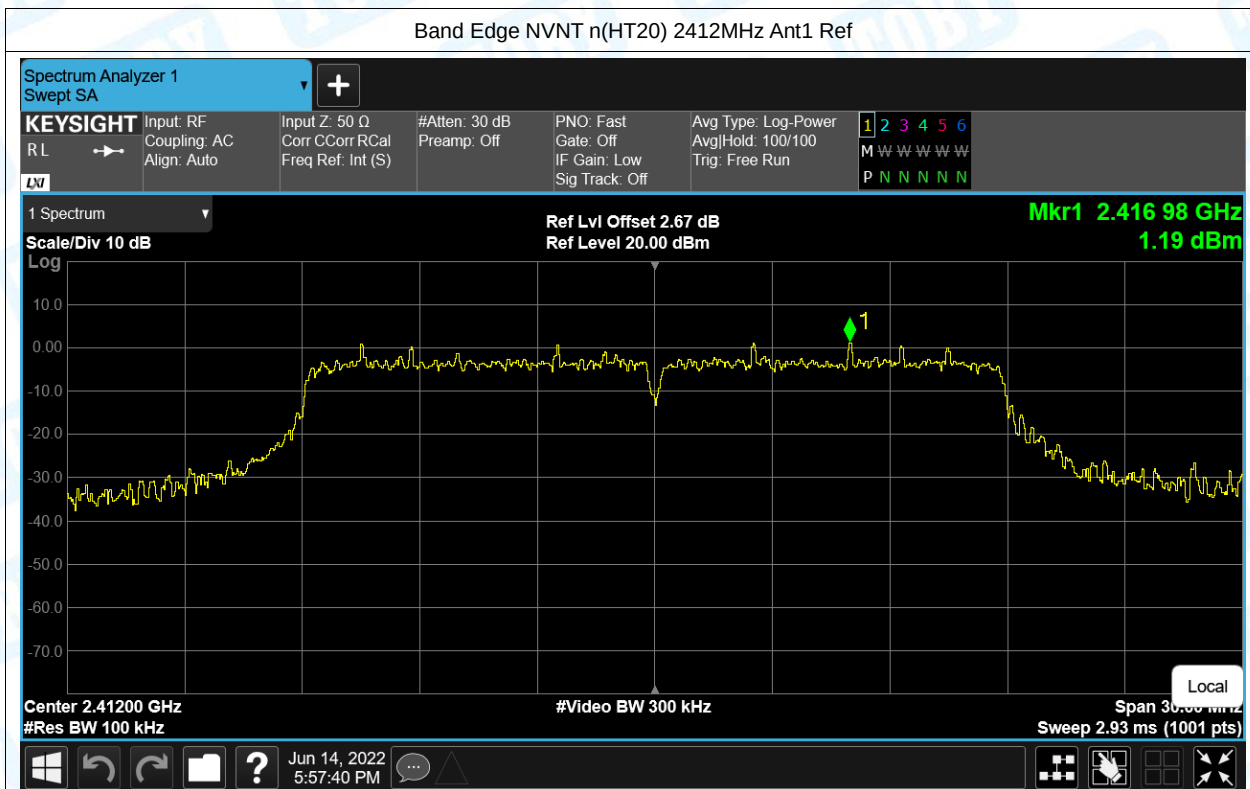
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-56.58	-20	Pass
NVNT	b	2462	Ant1	-59.81	-20	Pass
NVNT	g	2412	Ant1	-46.63	-20	Pass
NVNT	g	2462	Ant1	-39.32	-20	Pass
NVNT	n(HT20)	2412	Ant1	-42.91	-20	Pass
NVNT	n(HT20)	2462	Ant1	-38.83	-20	Pass
NVNT	n(HT40)	2422	Ant1	-39.59	-20	Pass
NVNT	n(HT40)	2452	Ant1	-39.17	-20	Pass

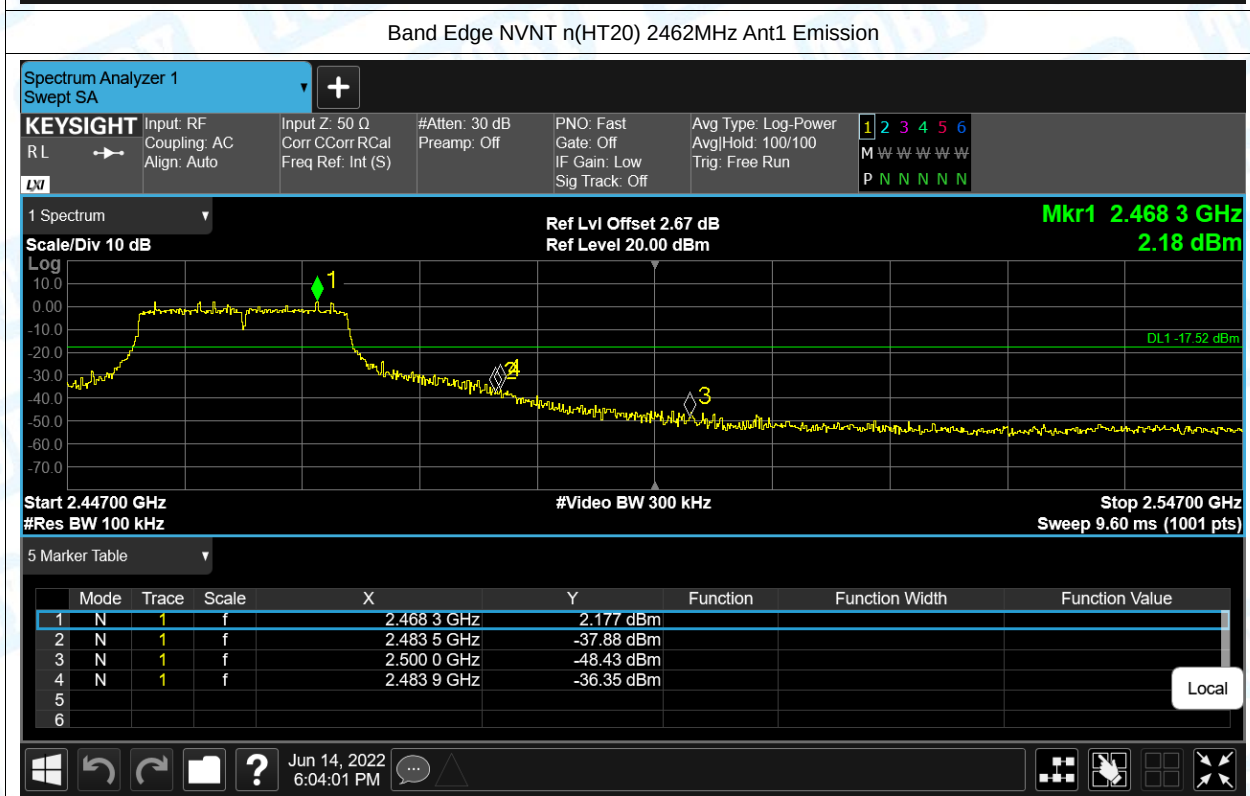


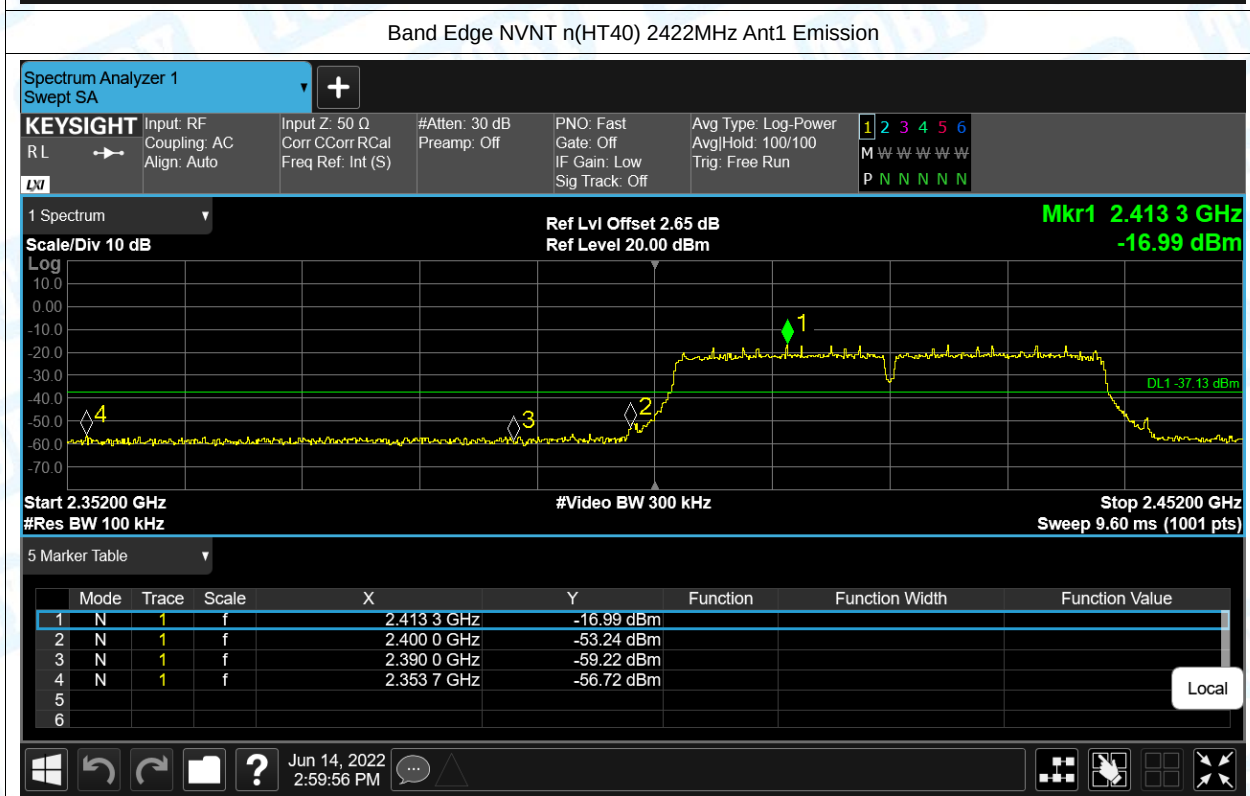


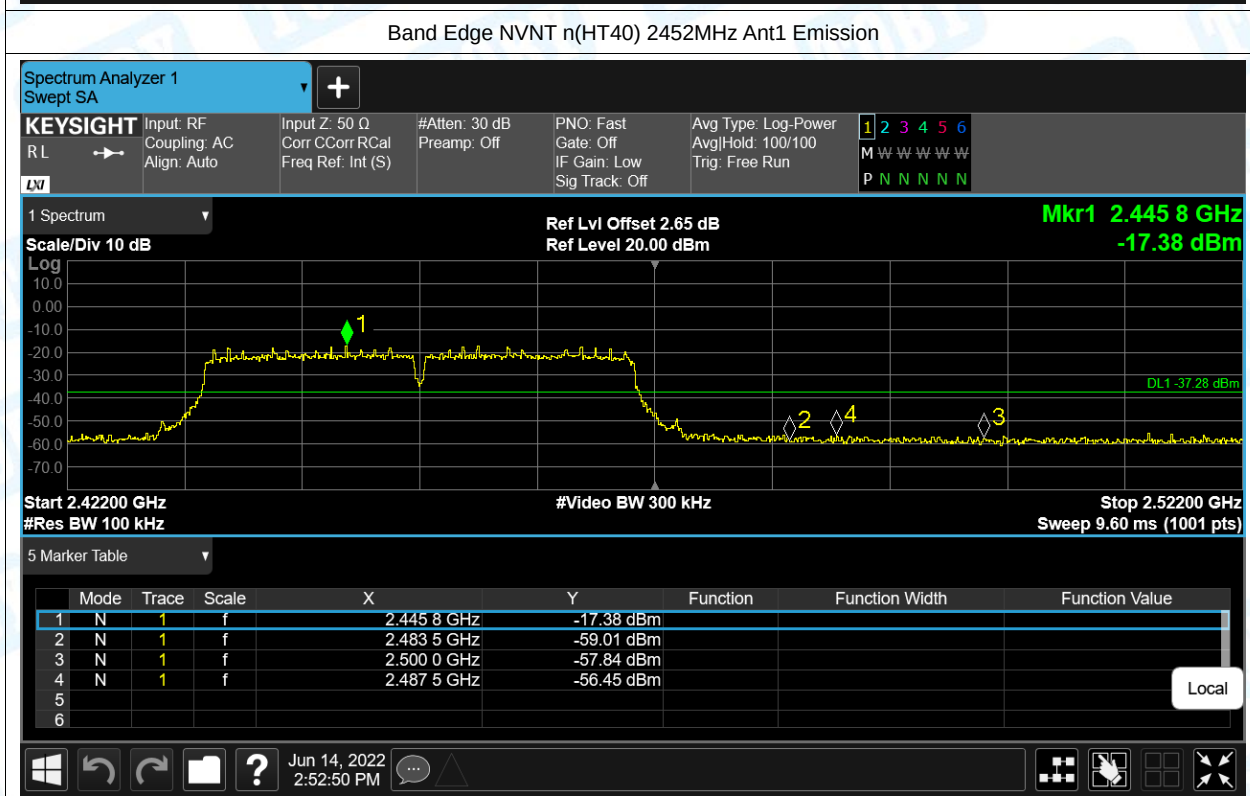












7.Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-30.51	-20	Pass
NVNT	b	2437	Ant1	-33.76	-20	Pass
NVNT	b	2462	Ant1	-36.65	-20	Pass
NVNT	g	2412	Ant1	-40.15	-20	Pass
NVNT	g	2437	Ant1	-39.89	-20	Pass
NVNT	g	2462	Ant1	-41.81	-20	Pass
NVNT	n(HT20)	2412	Ant1	-39.68	-20	Pass
NVNT	n(HT20)	2437	Ant1	-42.07	-20	Pass
NVNT	n(HT20)	2462	Ant1	-43.42	-20	Pass
NVNT	n(HT40)	2422	Ant1	-25.28	-20	Pass
NVNT	n(HT40)	2437	Ant1	-26.11	-20	Pass
NVNT	n(HT40)	2452	Ant1	-24.2	-20	Pass