

RF Test Data for 2.4G WiFi (Conducted Measurements)

General Description of EUT	
Product Name:	Tablet
Test Model:	CP80
Sample ID:	202208_0109_01-02
Environmental Conditions	
Temperature:	25°C
Relative Humidity:	55%
Test Voltage:	DC 3.8V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202208-0109-11	

Contents

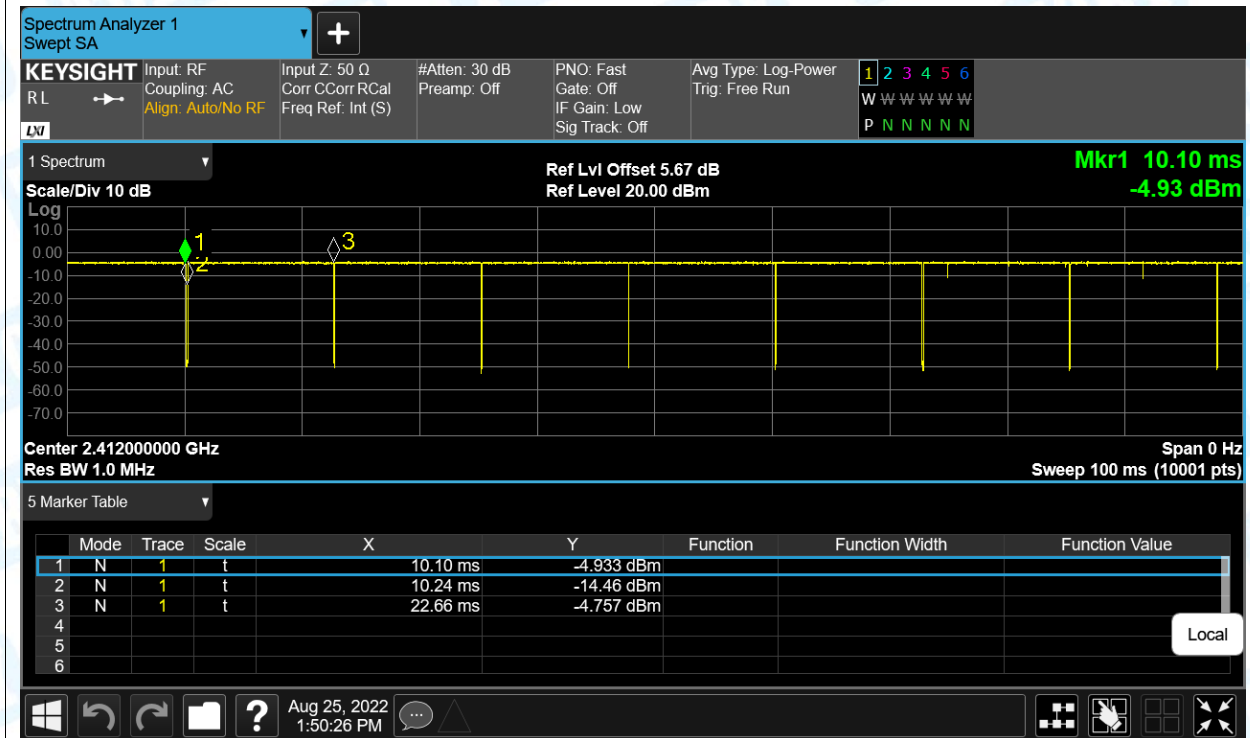
1. Duty Cycle.....	3
2. Maximum Conducted Output Power	10
4. Occupied Channel Bandwidth	18
5. Maximum Power Spectral Density Level.....	25
6. Band Edge	32
7. Conducted RF Spurious Emission	41
8. Restrict Band	54

1. Duty Cycle

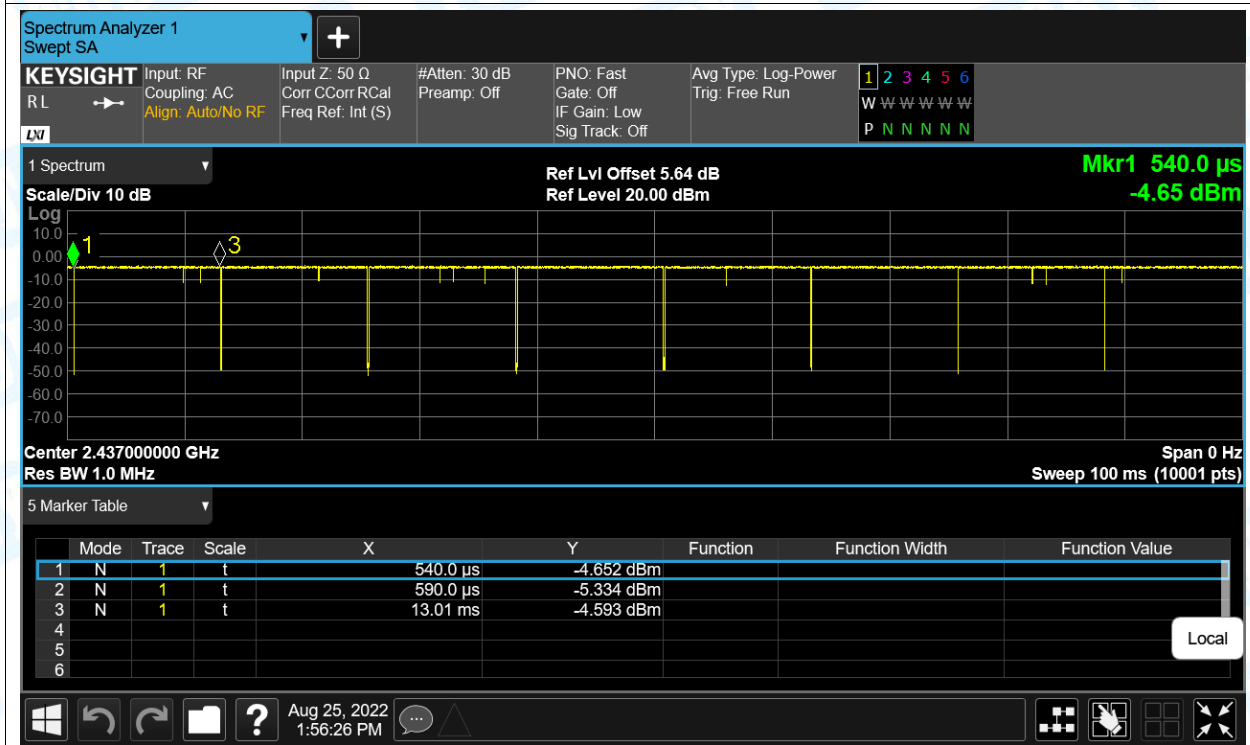
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	98.89	0.05	0.08
NVNT	b	2437	Ant1	99.6	0.02	0.08
NVNT	b	2462	Ant1	99.04	0.04	0.08
NVNT	g	2412	Ant1	94.95	0.23	0.48
NVNT	g	2437	Ant1	95.39	0.2	0.48
NVNT	g	2462	Ant1	96.71	0.15	0.49
NVNT	n(HT20)	2412	Ant1	92.31	0.35	0.52
NVNT	n(HT20)	2437	Ant1	93.2	0.31	0.52
NVNT	n(HT20)	2462	Ant1	96.48	0.16	0.52
NVNT	n(HT40)	2422	Ant1	92.23	0.35	1.05
NVNT	n(HT40)	2437	Ant1	95.92	0.18	1.06
NVNT	n(HT40)	2452	Ant1	88.68	0.52	1.06

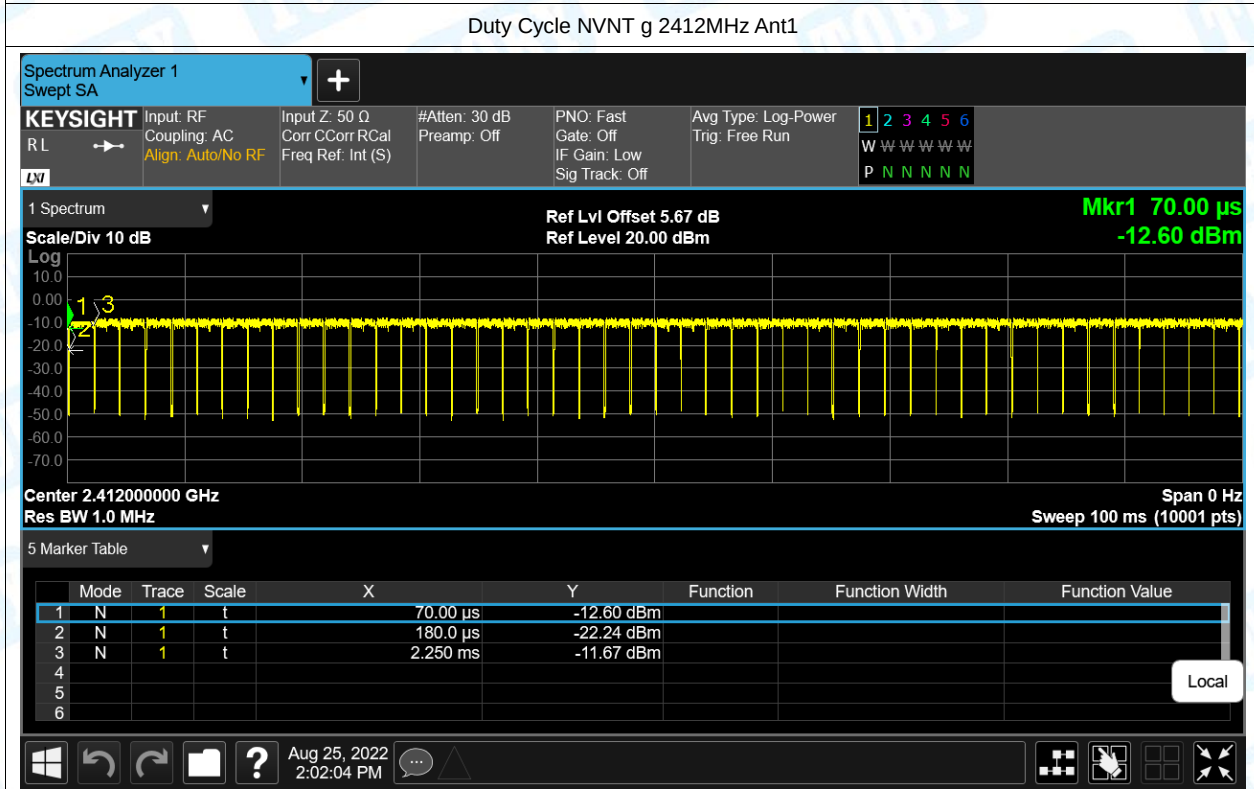
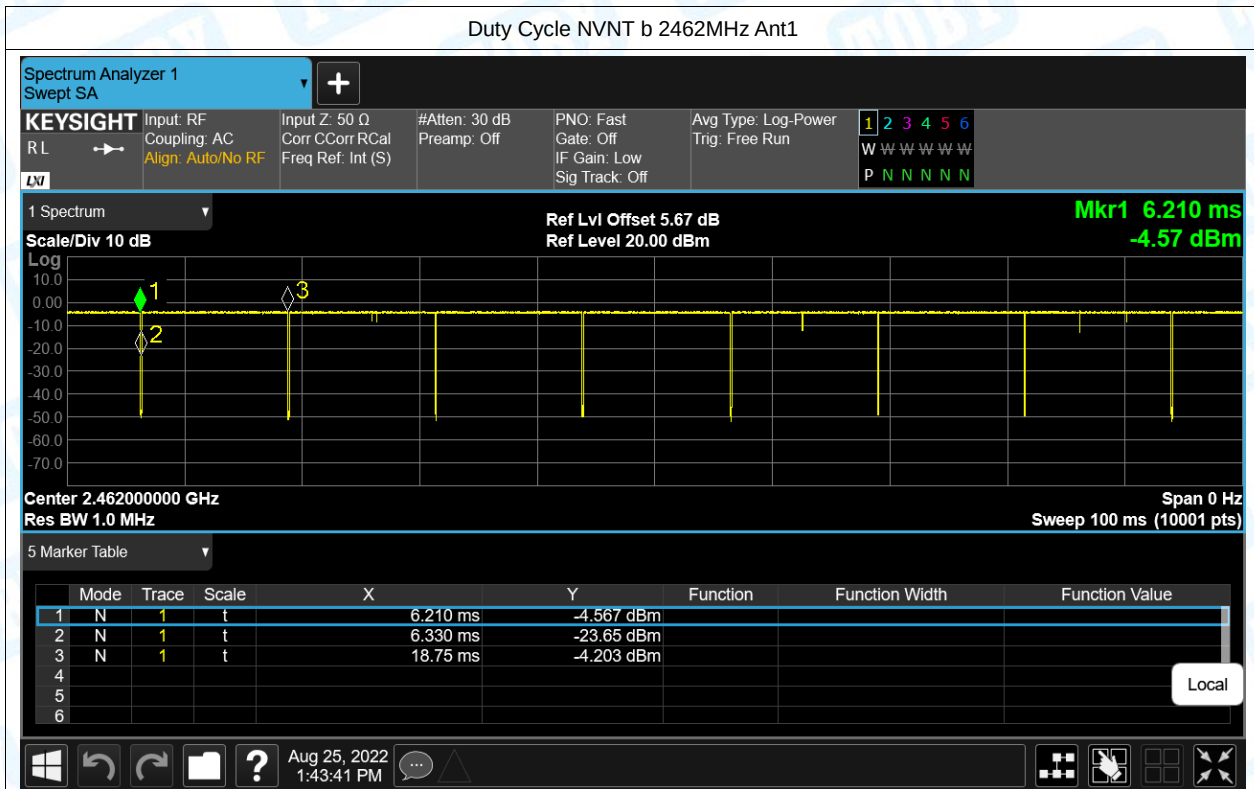
Test Graphs

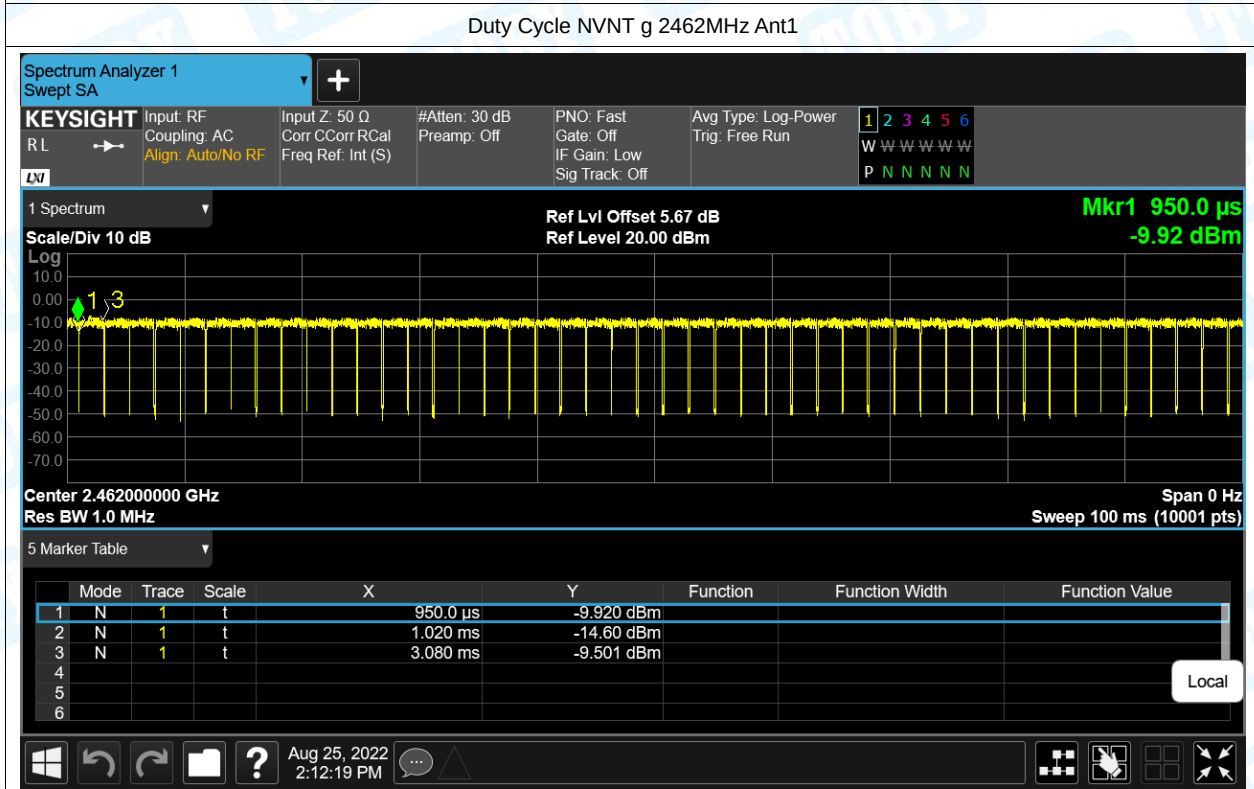
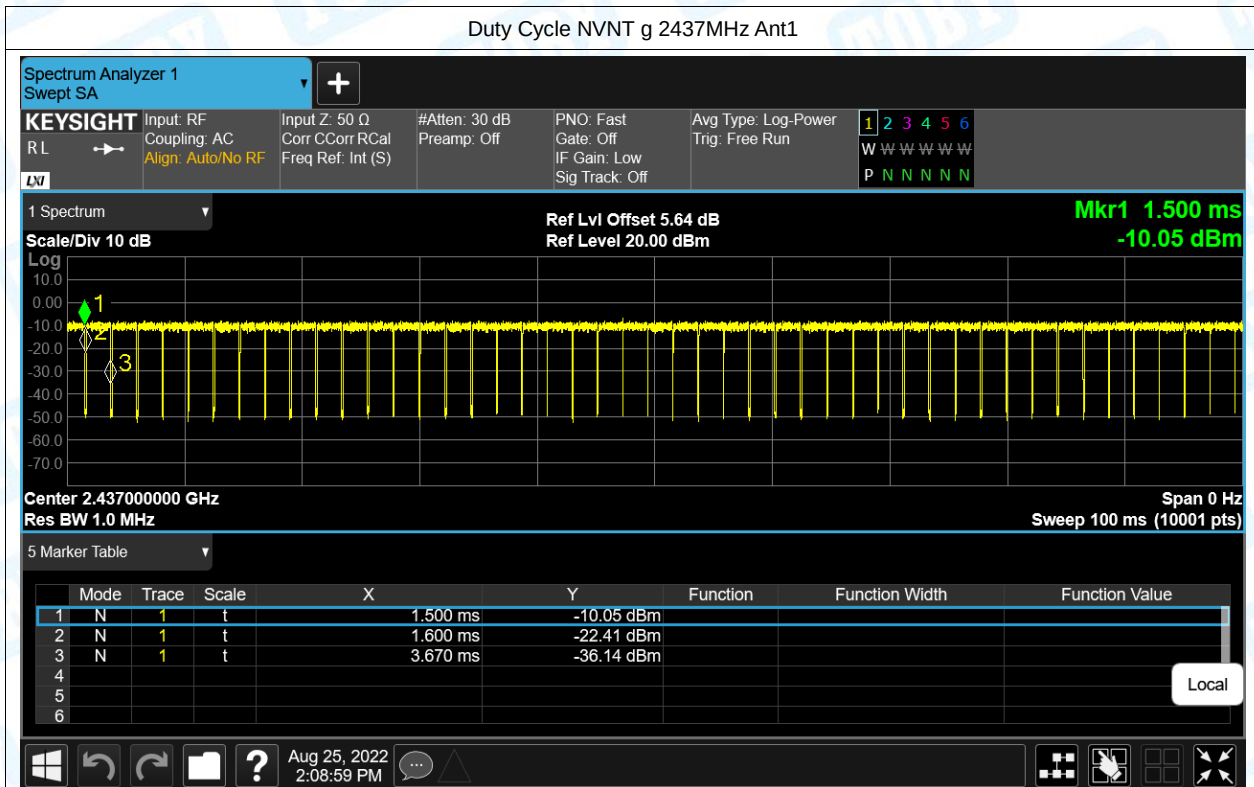
Duty Cycle NVNT b 2412MHz Ant1

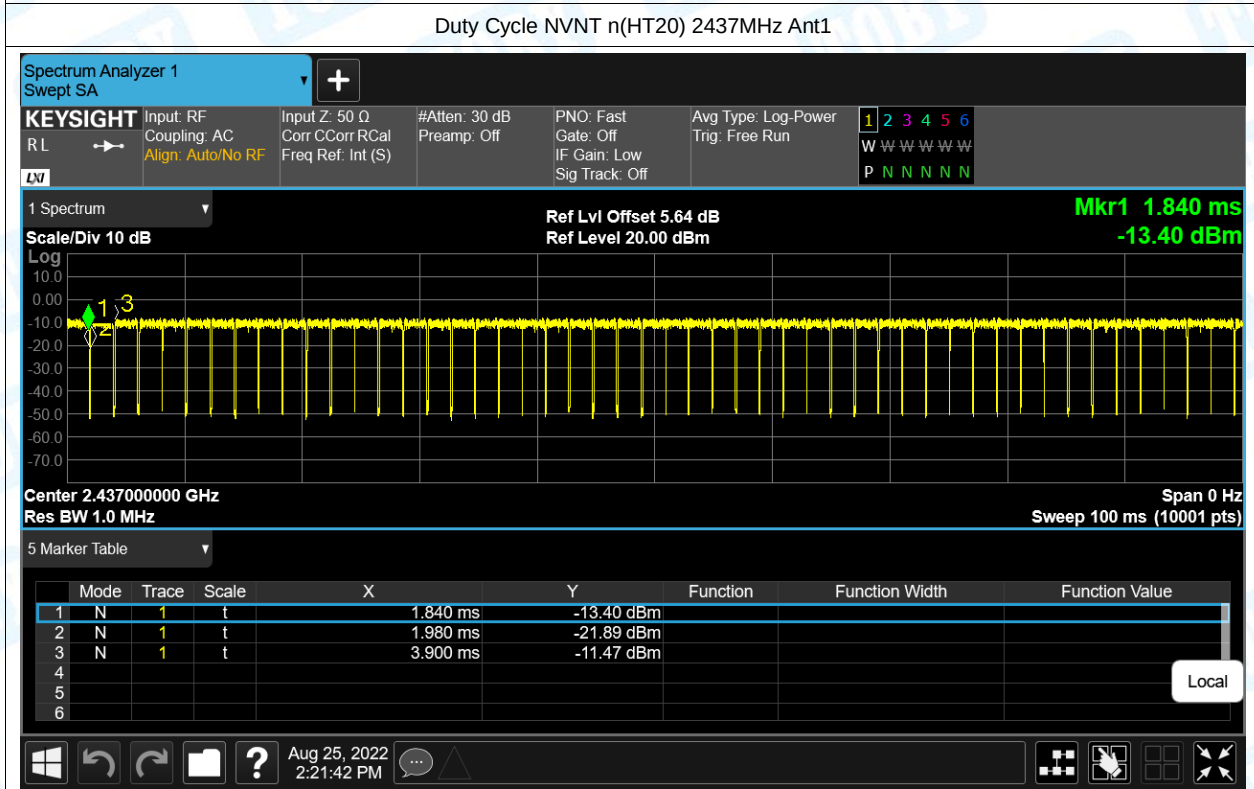
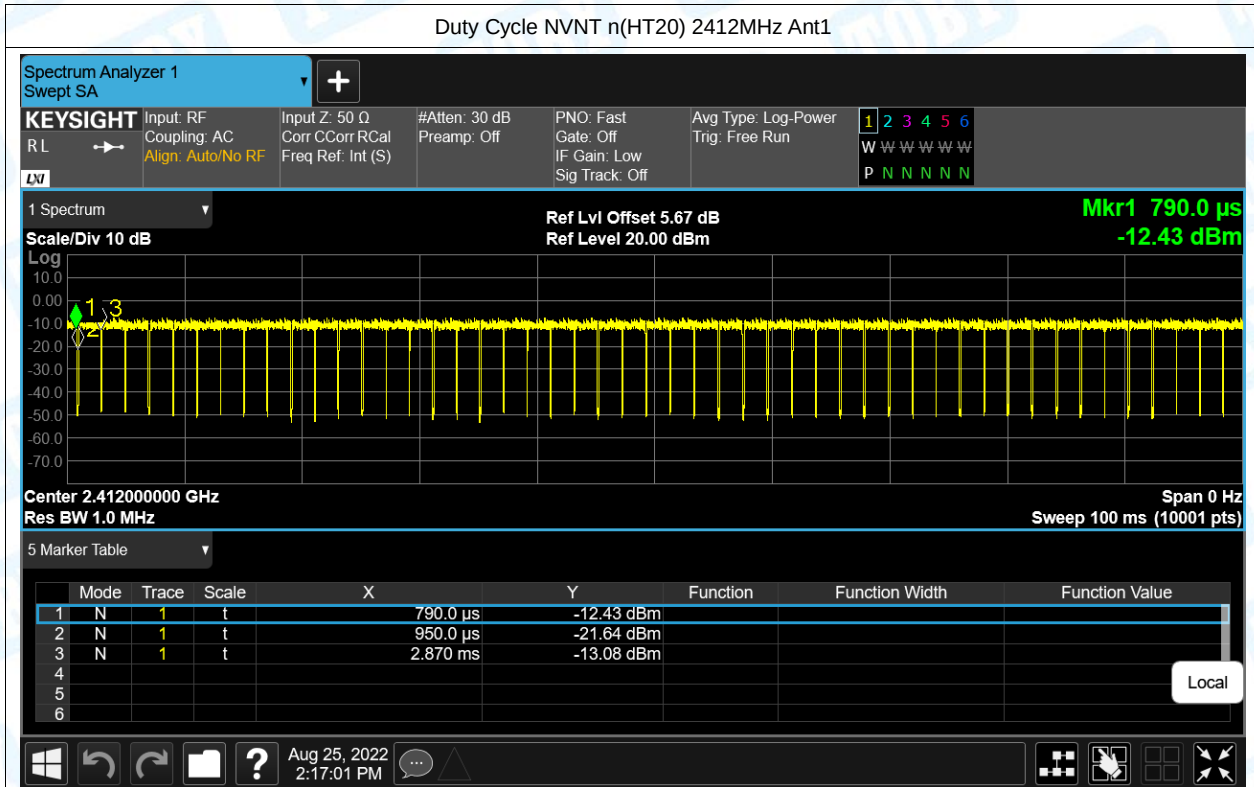


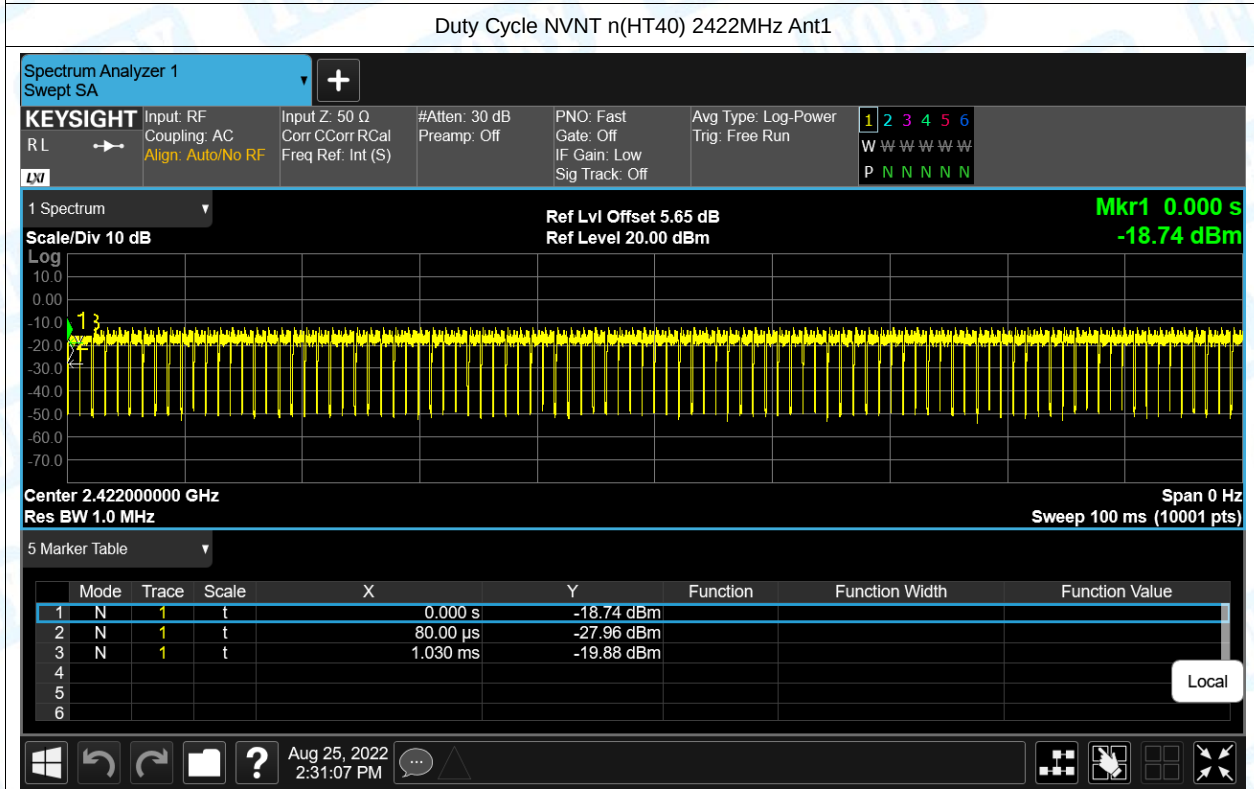
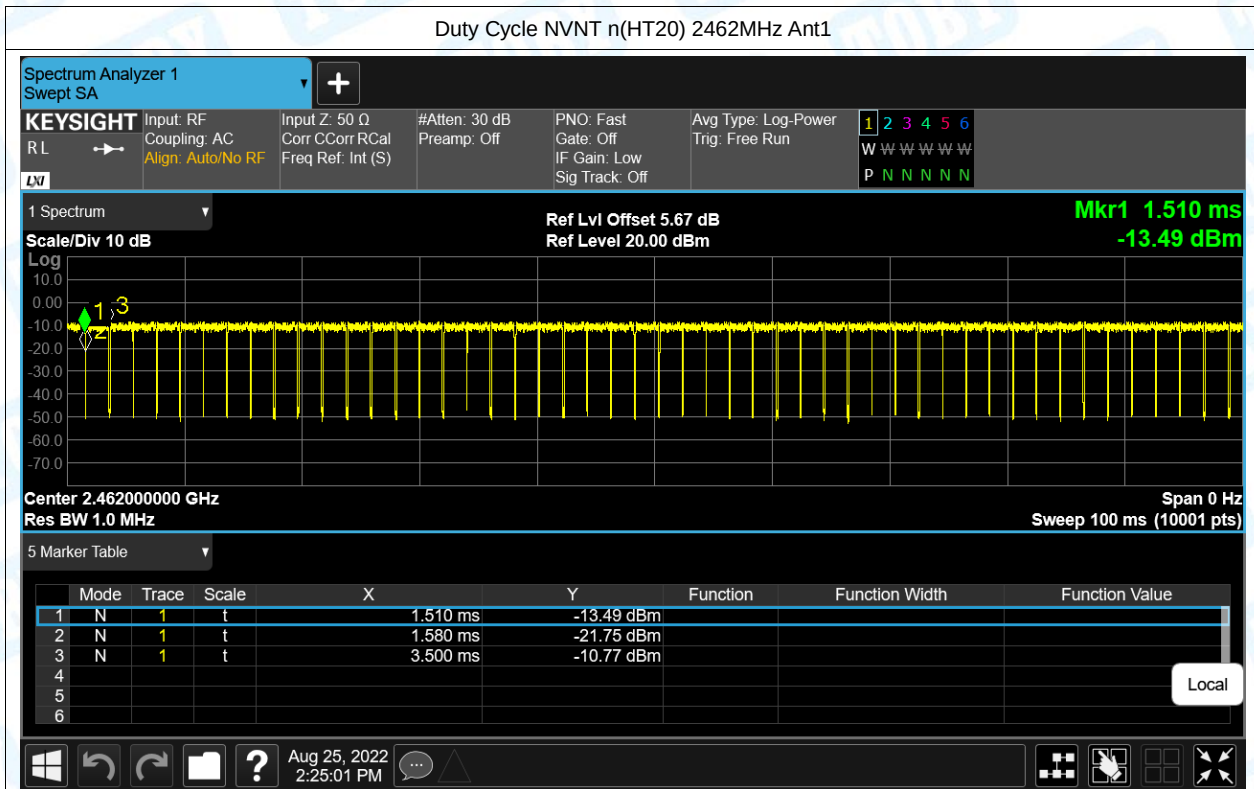
Duty Cycle NVNT b 2437MHz Ant1

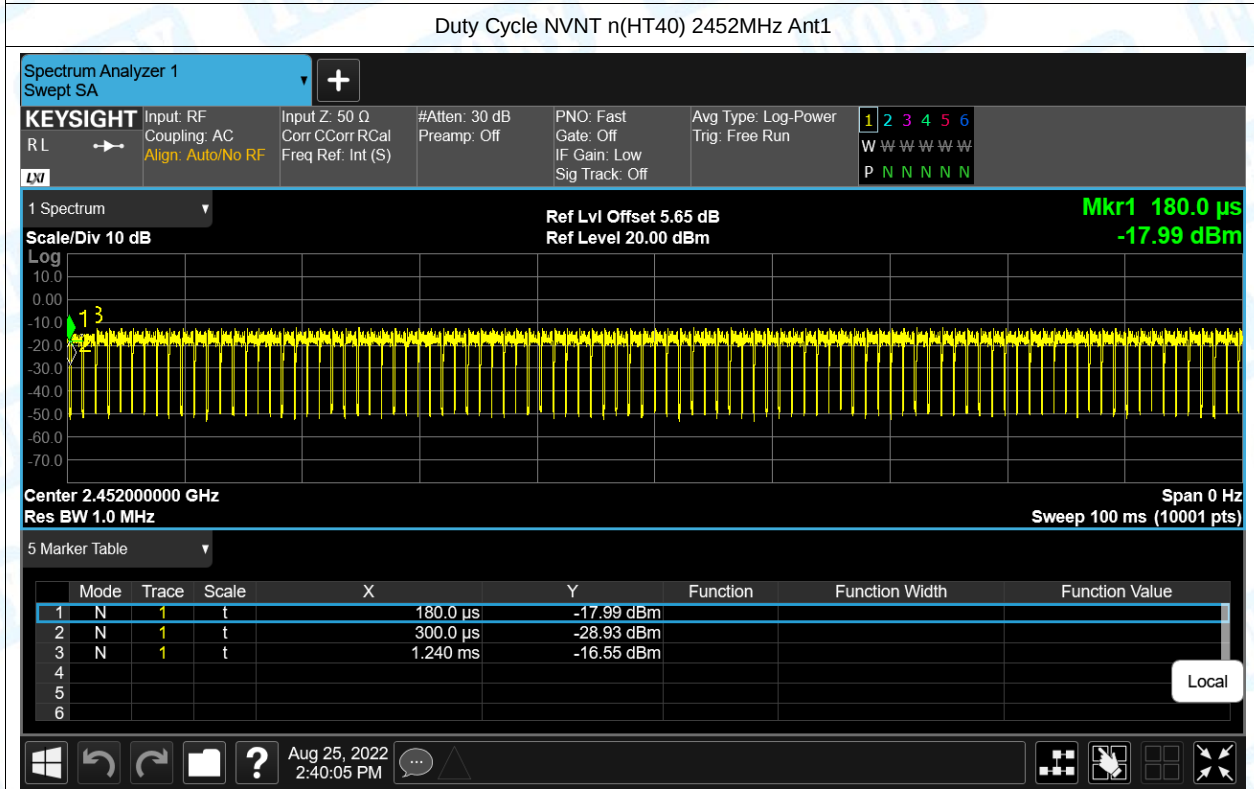
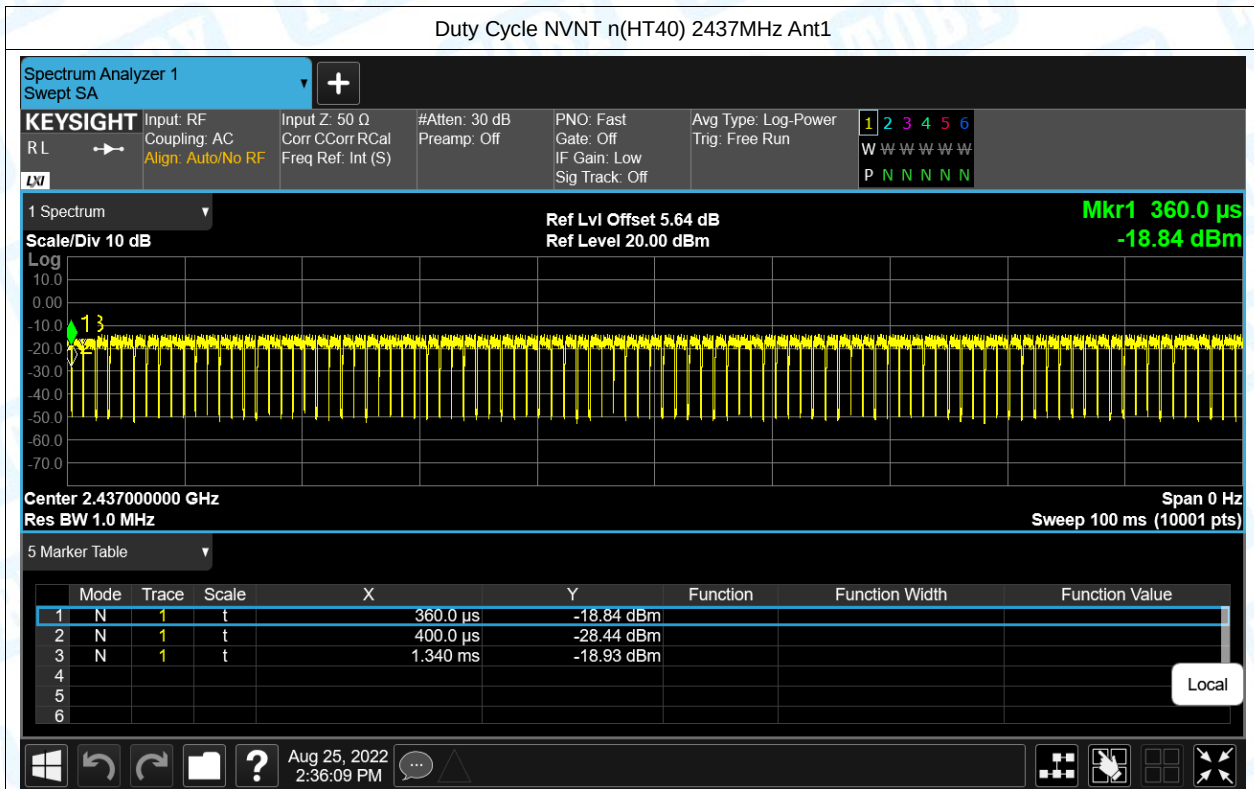












2. Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	1.859	30	Pass
NVNT	b	2437	Ant1	1.757	30	Pass
NVNT	b	2462	Ant1	2.123	30	Pass
NVNT	g	2412	Ant1	1.939	30	Pass
NVNT	g	2437	Ant1	1.745	30	Pass
NVNT	g	2462	Ant1	2.034	30	Pass
NVNT	n(HT20)	2412	Ant1	1.952	30	Pass
NVNT	n(HT20)	2437	Ant1	1.845	30	Pass
NVNT	n(HT20)	2462	Ant1	2.019	30	Pass
NVNT	n(HT40)	2422	Ant1	1.738	30	Pass
NVNT	n(HT40)	2437	Ant1	1.735	30	Pass
NVNT	n(HT40)	2452	Ant1	1.868	30	Pass

3. -6dB Bandwidth

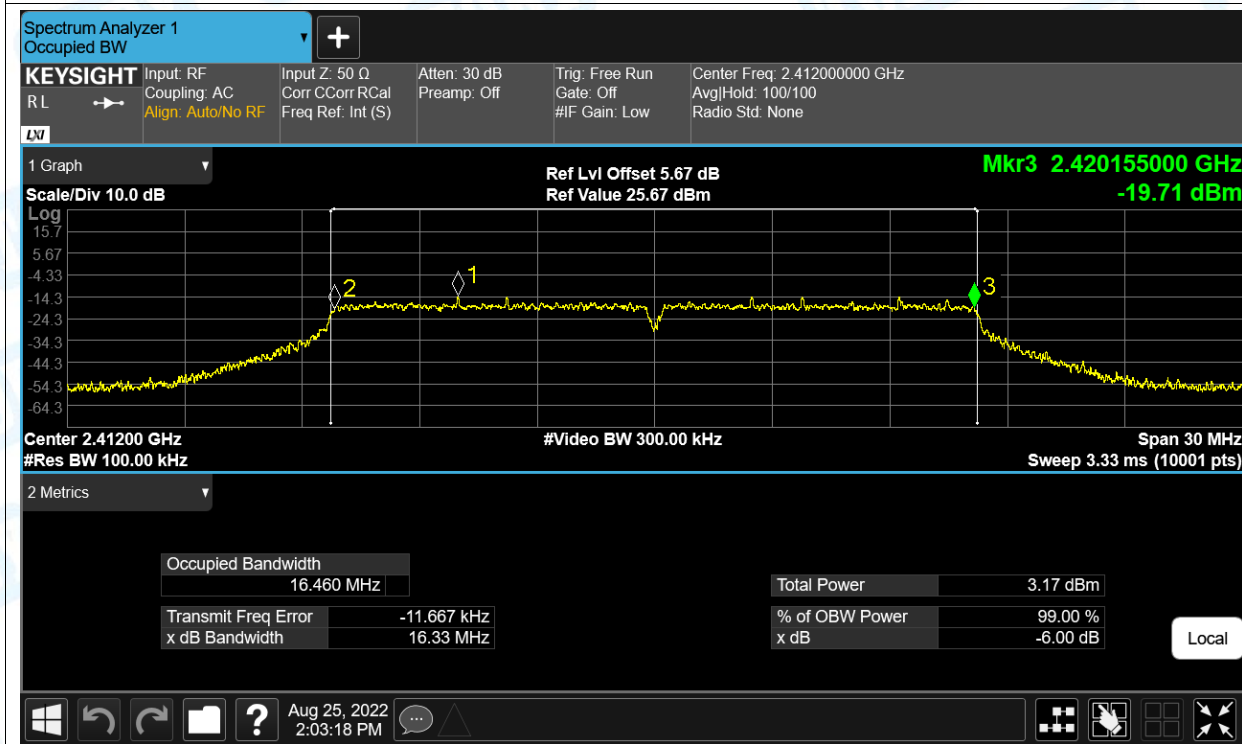
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	9.01	0.5	Pass
NVNT	b	2437	Ant1	8.55	0.5	Pass
NVNT	b	2462	Ant1	7.56	0.5	Pass
NVNT	g	2412	Ant1	16.33	0.5	Pass
NVNT	g	2437	Ant1	16.35	0.5	Pass
NVNT	g	2462	Ant1	16.34	0.5	Pass
NVNT	n(HT20)	2412	Ant1	17.56	0.5	Pass
NVNT	n(HT20)	2437	Ant1	17.54	0.5	Pass
NVNT	n(HT20)	2462	Ant1	17.54	0.5	Pass
NVNT	n(HT40)	2422	Ant1	35.49	0.5	Pass
NVNT	n(HT40)	2437	Ant1	35.32	0.5	Pass
NVNT	n(HT40)	2452	Ant1	35.46	0.5	Pass

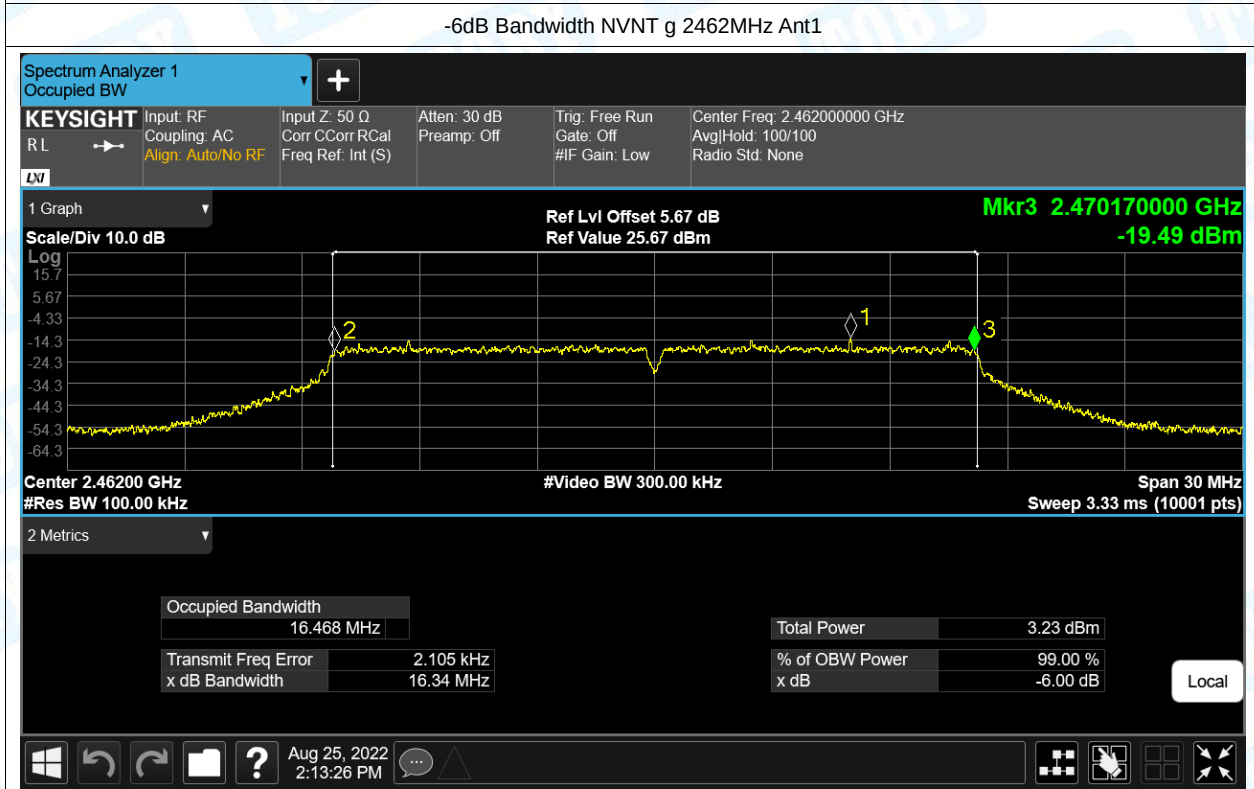
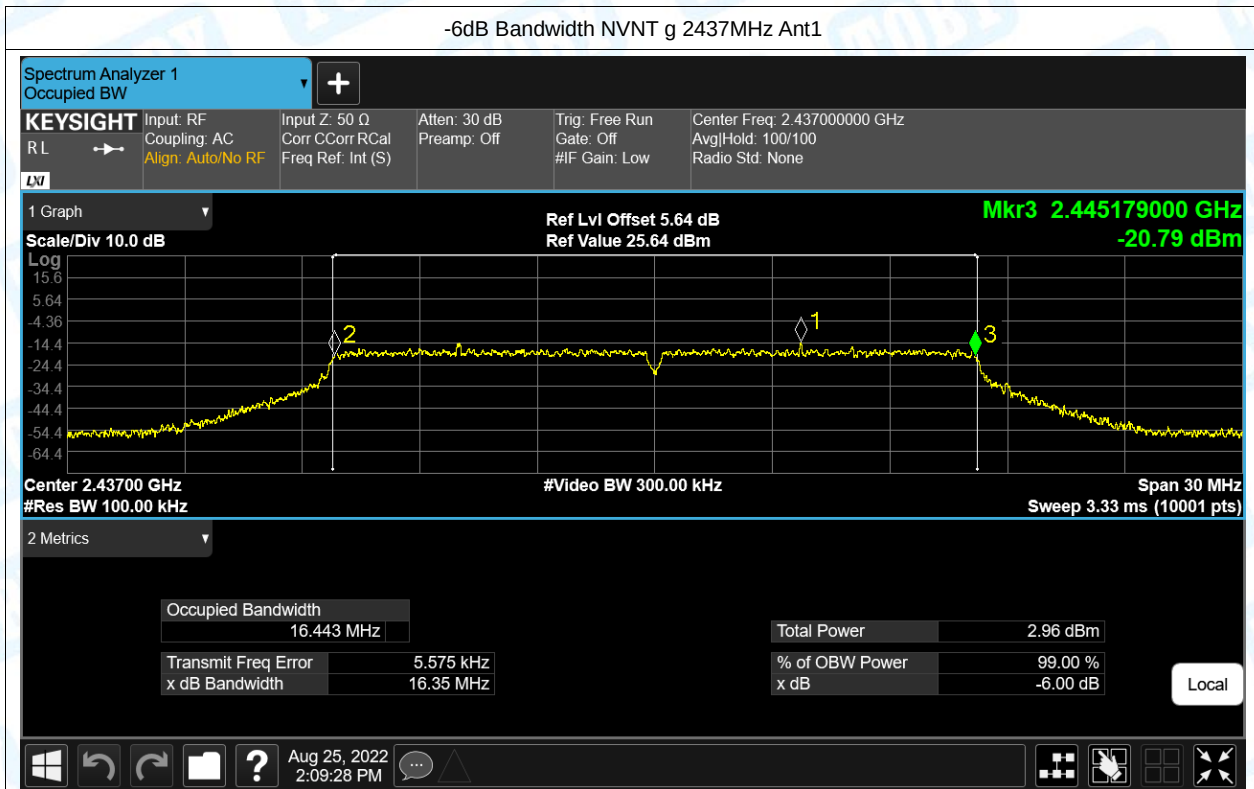


-6dB Bandwidth NVNT b 2462MHz Ant1

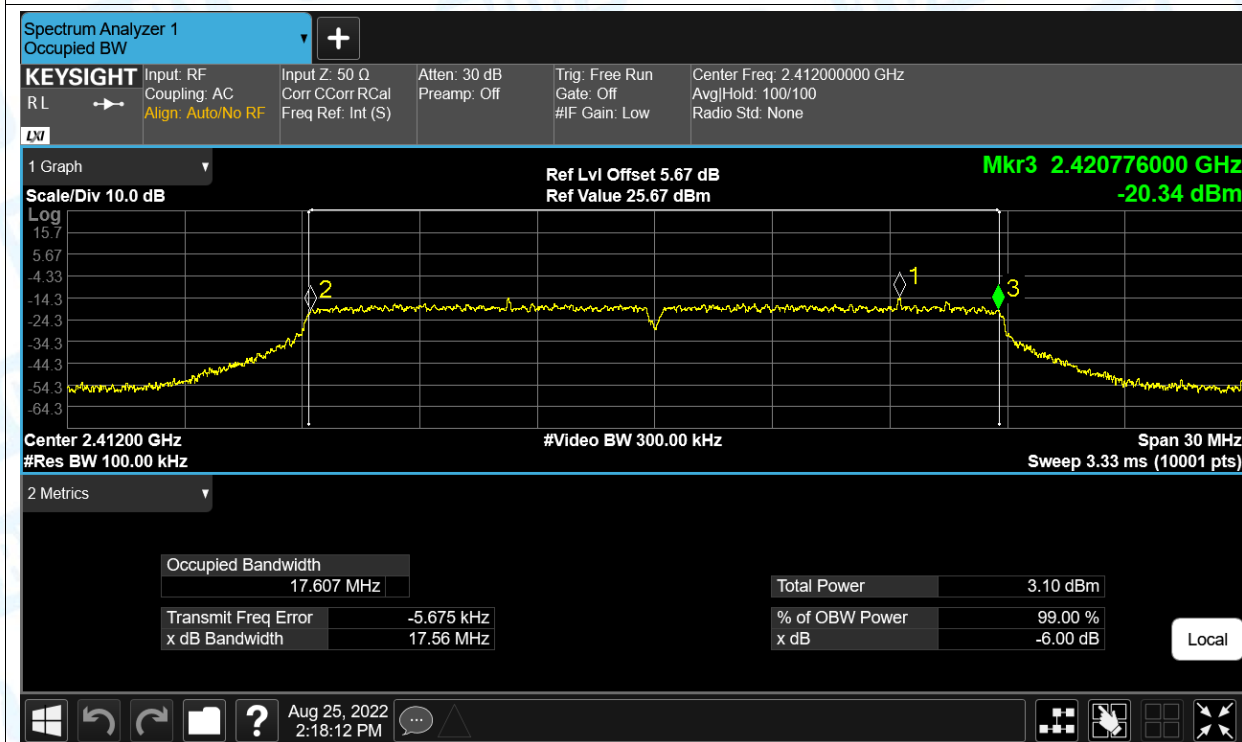


-6dB Bandwidth NVNT g 2412MHz Ant1

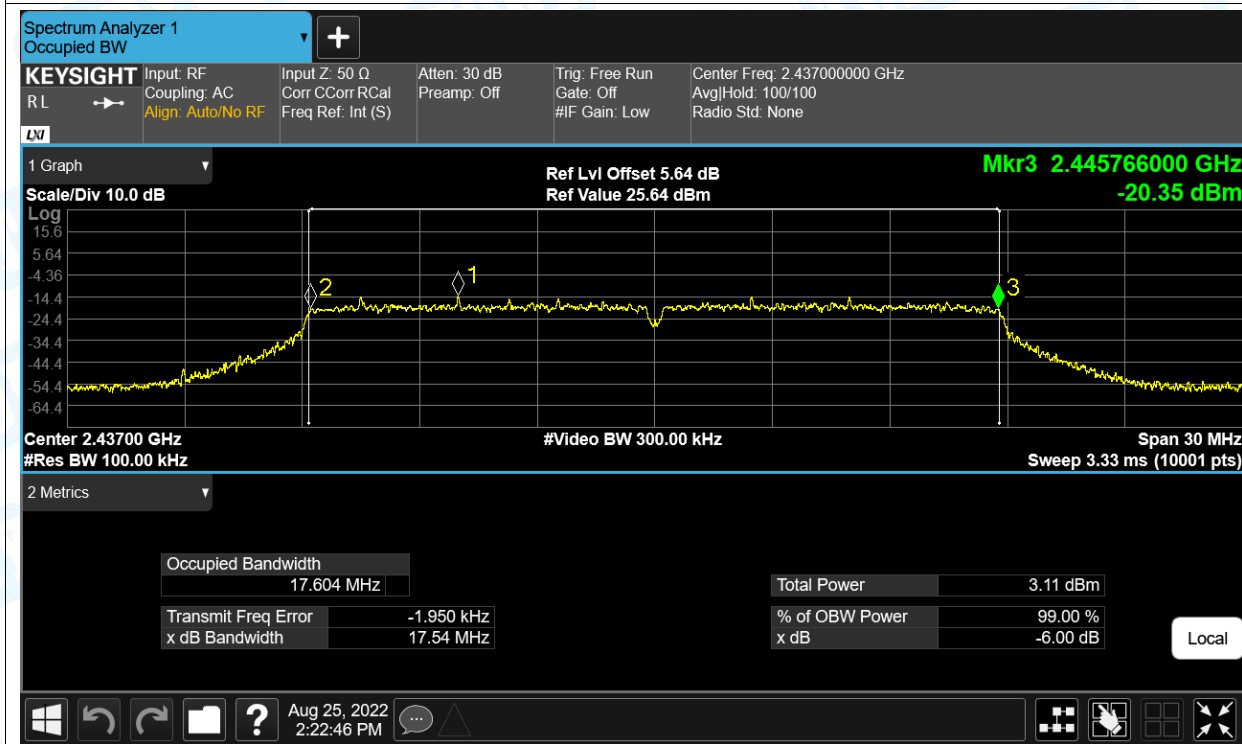




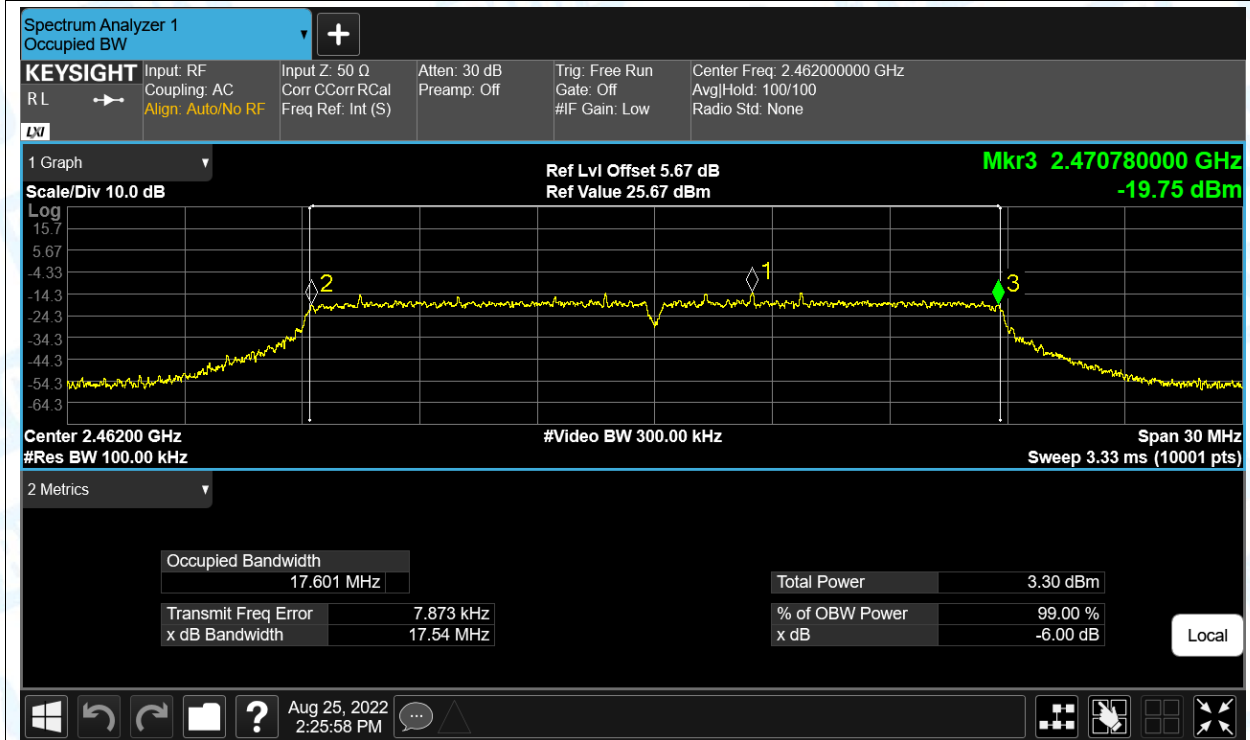
-6dB Bandwidth NVNT n(HT20) 2412MHz Ant1



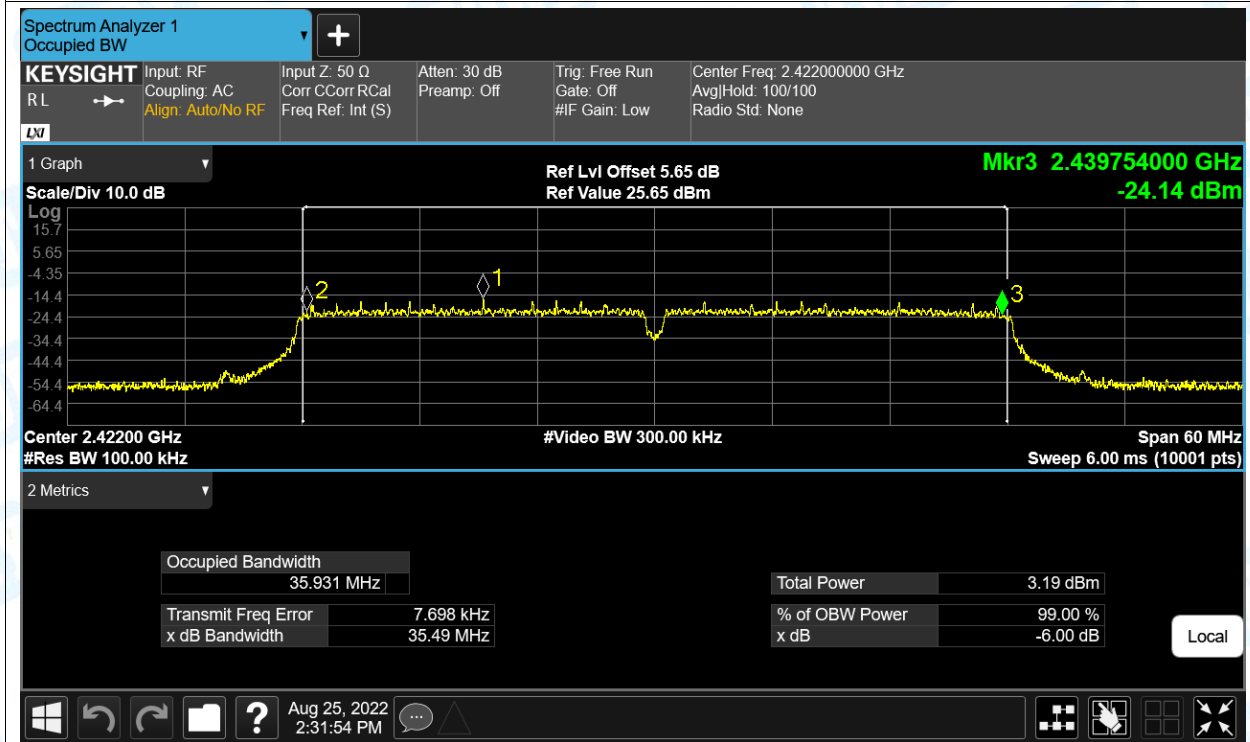
-6dB Bandwidth NVNT n(HT20) 2437MHz Ant1



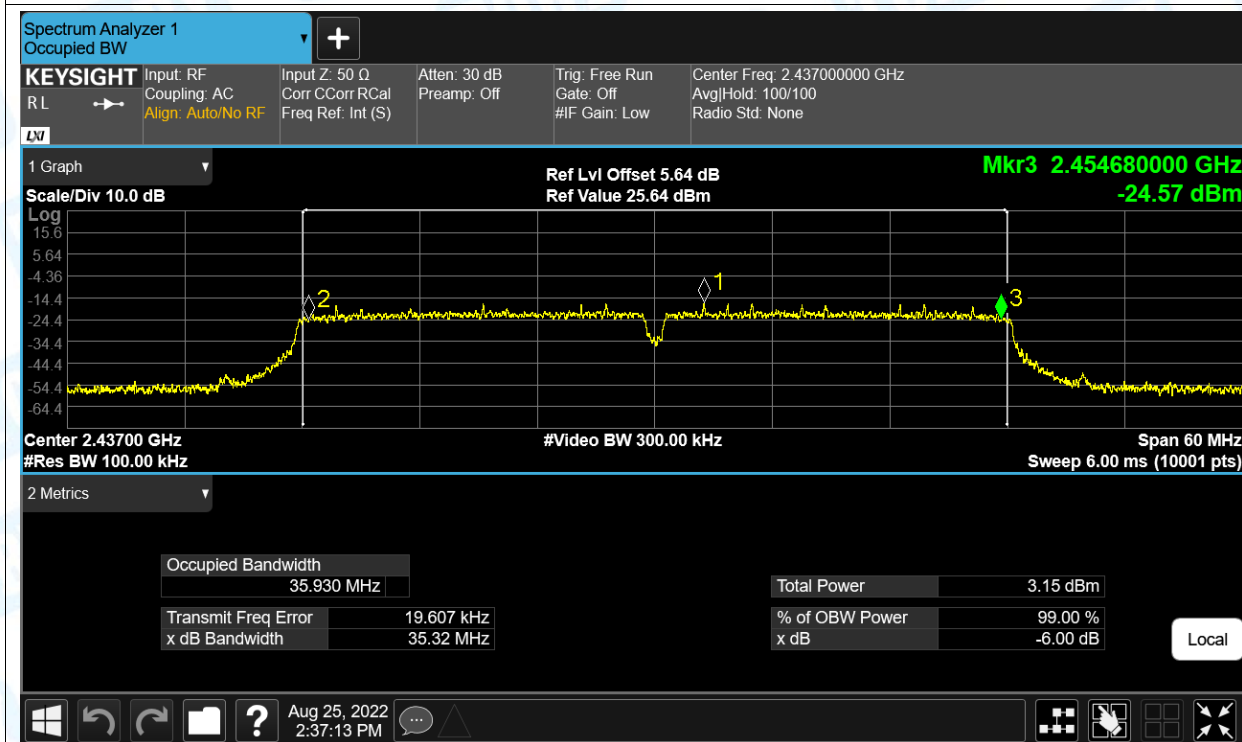
-6dB Bandwidth NVNT n(HT20) 2462MHz Ant1



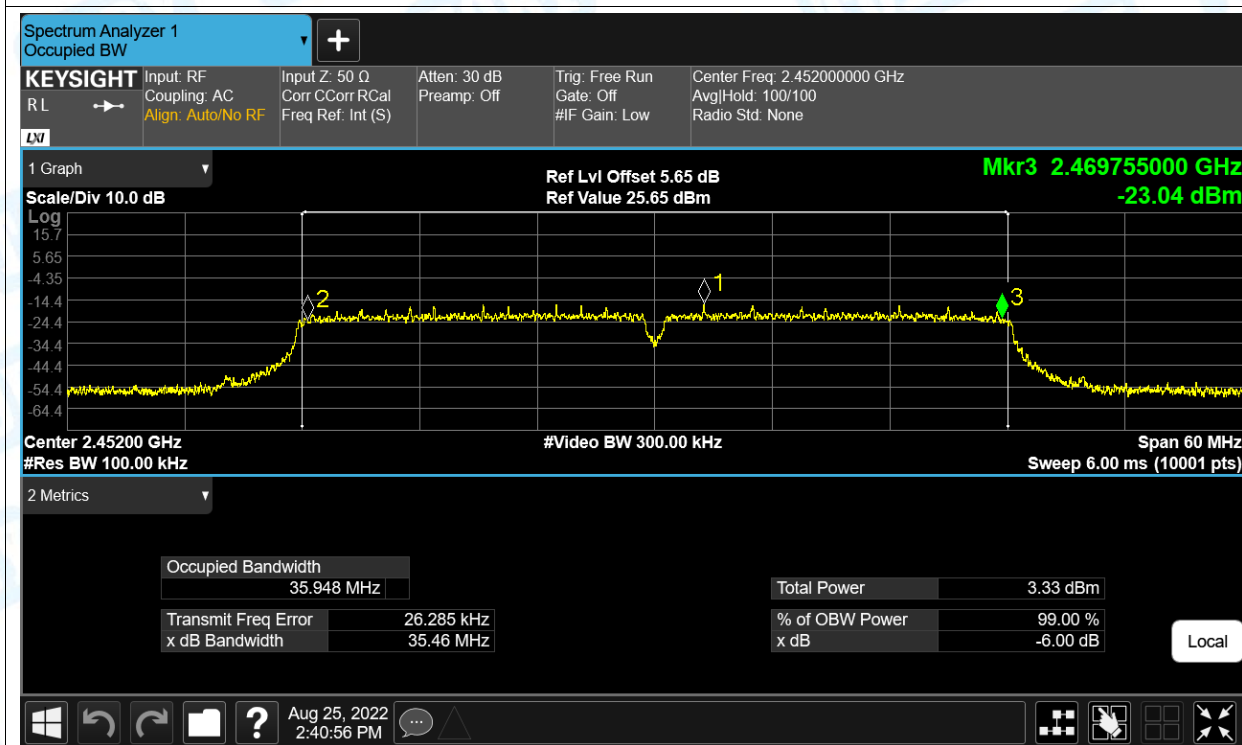
-6dB Bandwidth NVNT n(HT40) 2422MHz Ant1



-6dB Bandwidth NVNT n(HT40) 2437MHz Ant1

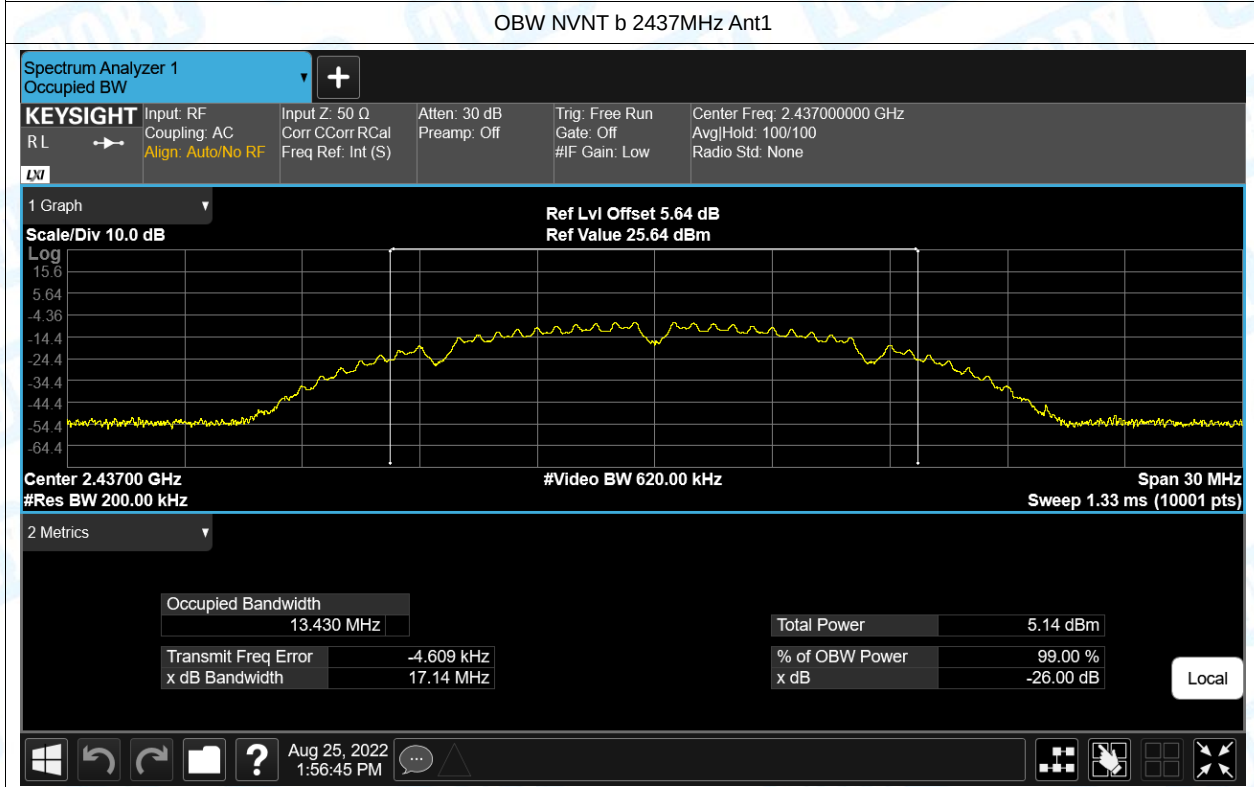


-6dB Bandwidth NVNT n(HT40) 2452MHz Ant1

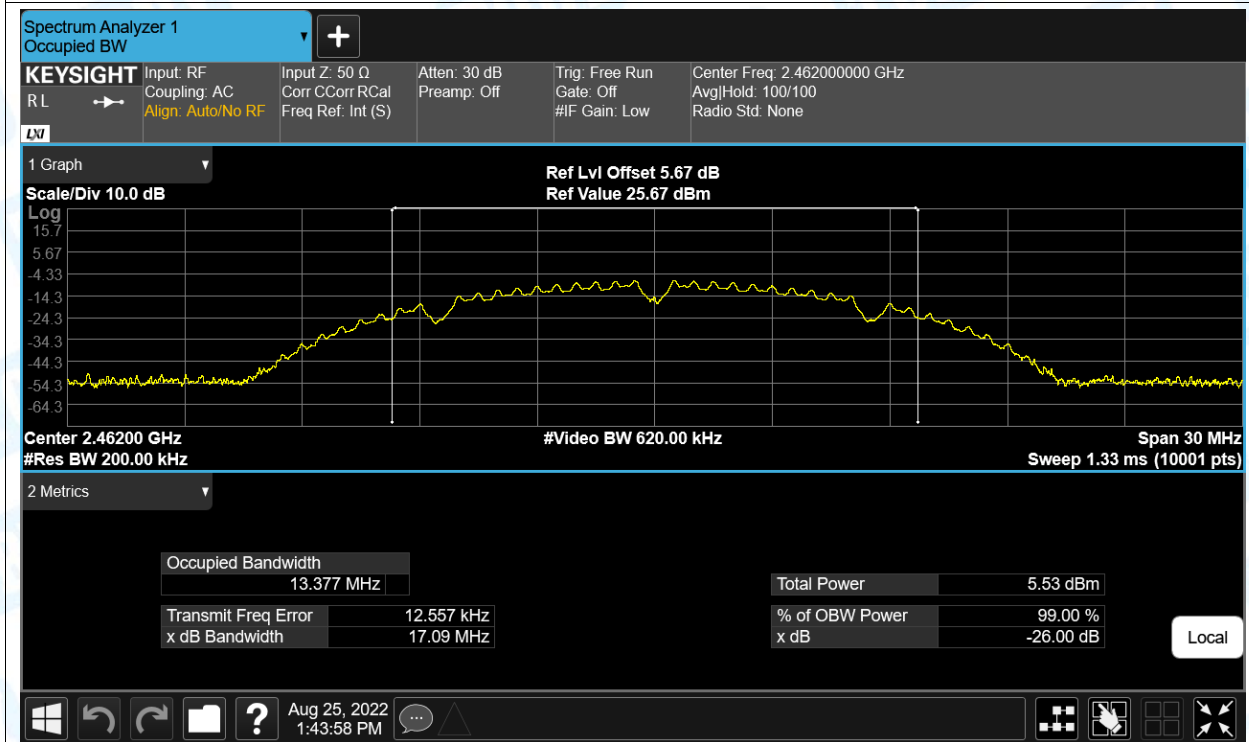


4. Occupied Channel Bandwidth

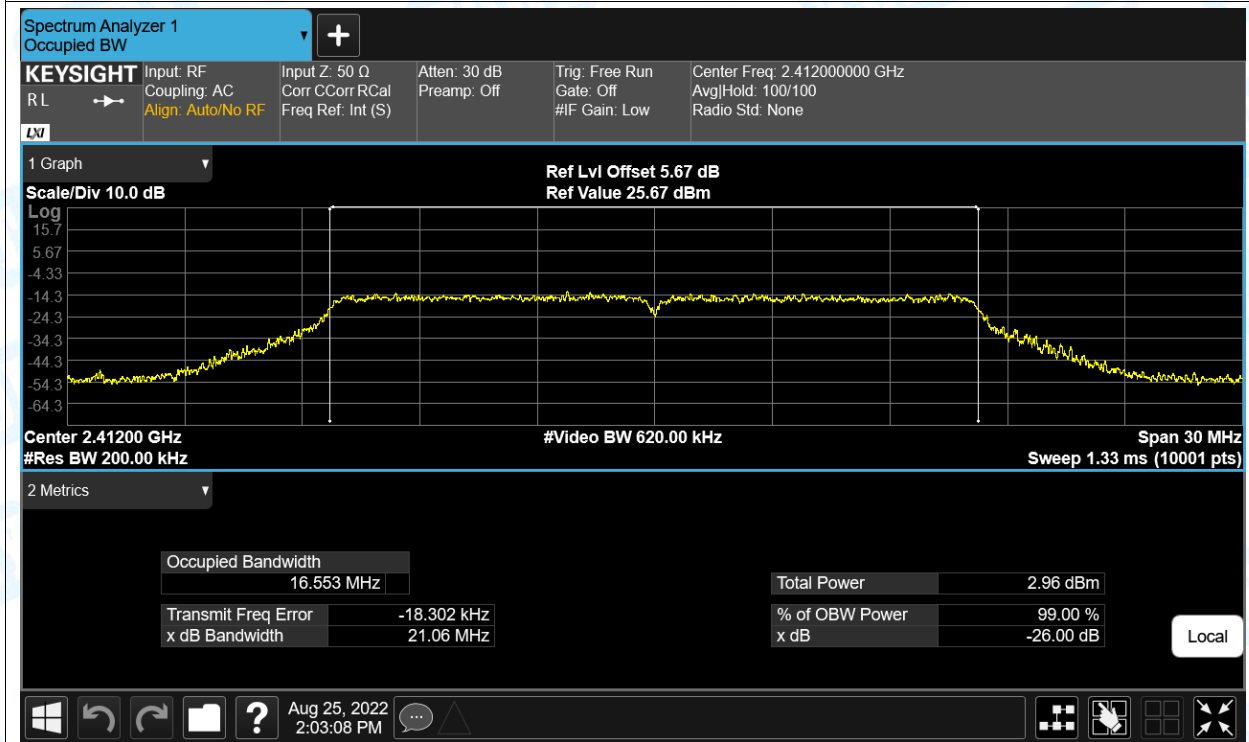
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	13.44
NVNT	b	2437	Ant1	13.43
NVNT	b	2462	Ant1	13.377
NVNT	g	2412	Ant1	16.553
NVNT	g	2437	Ant1	16.521
NVNT	g	2462	Ant1	16.587
NVNT	n(HT20)	2412	Ant1	17.676
NVNT	n(HT20)	2437	Ant1	17.634
NVNT	n(HT20)	2462	Ant1	17.649
NVNT	n(HT40)	2422	Ant1	36.06
NVNT	n(HT40)	2437	Ant1	36.051
NVNT	n(HT40)	2452	Ant1	36.072



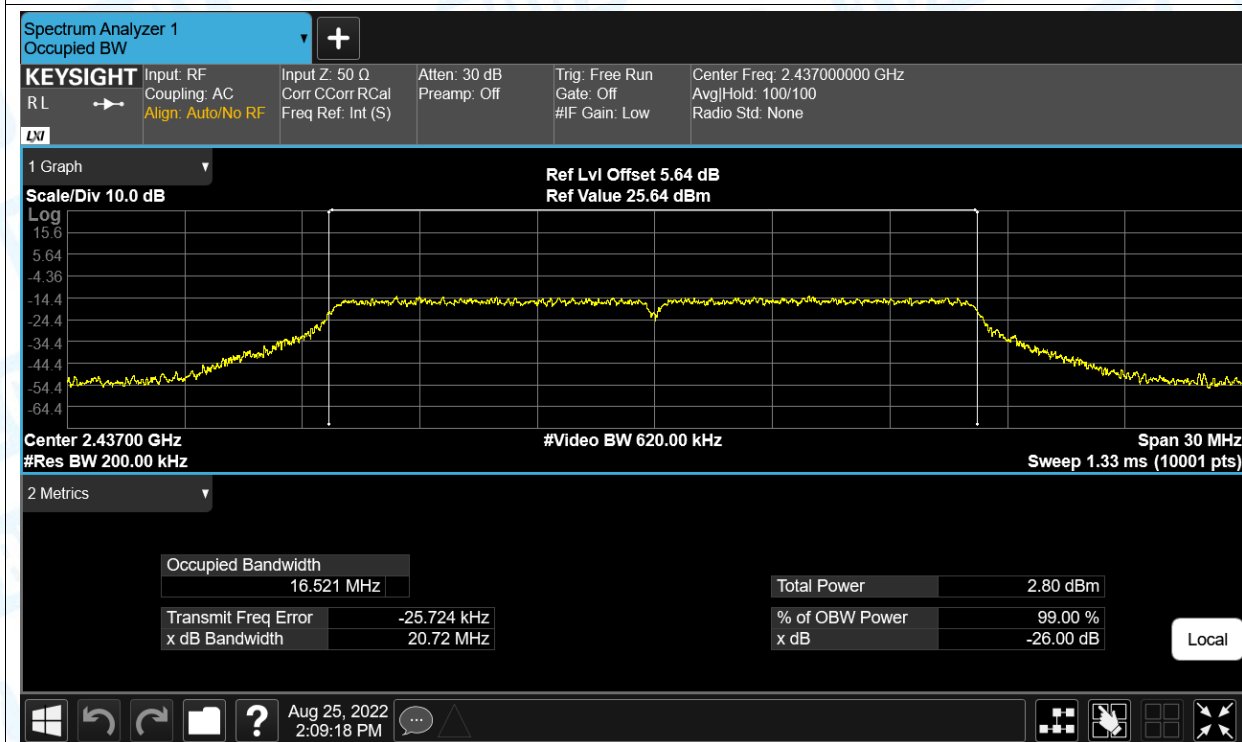
OBW NVNT b 2462MHz Ant1



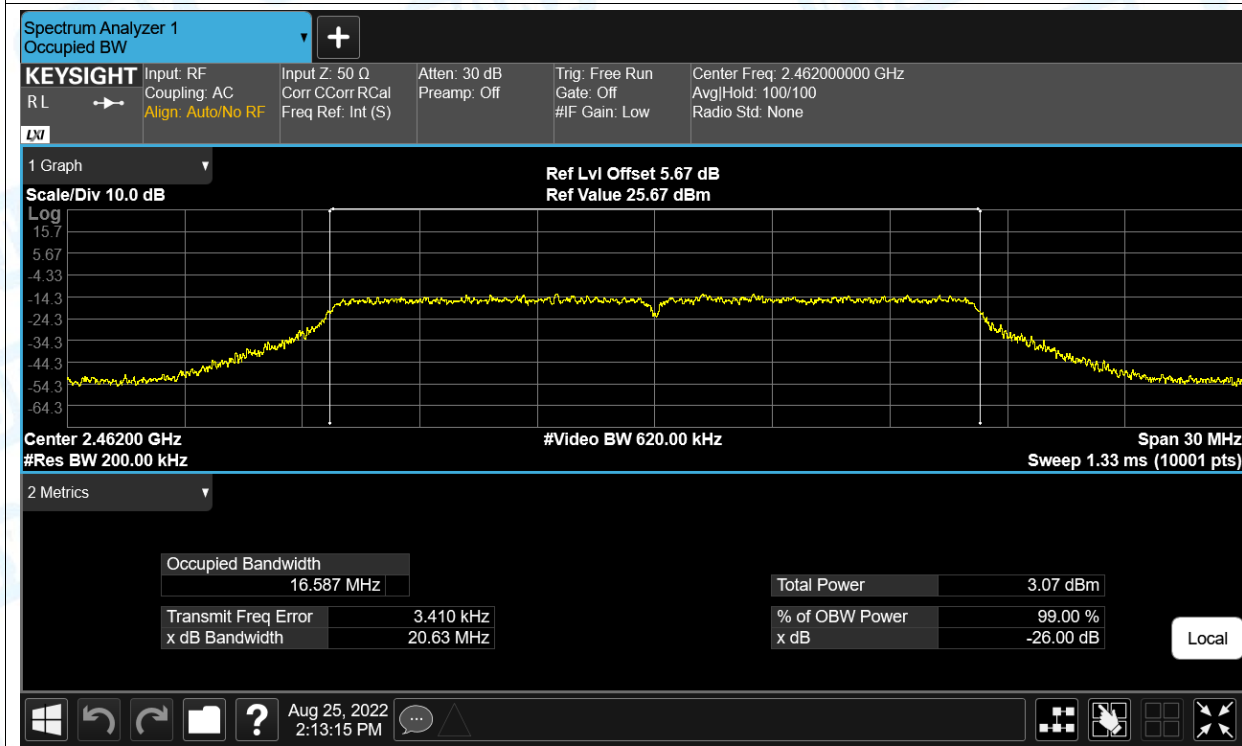
OBW NVNT g 2412MHz Ant1

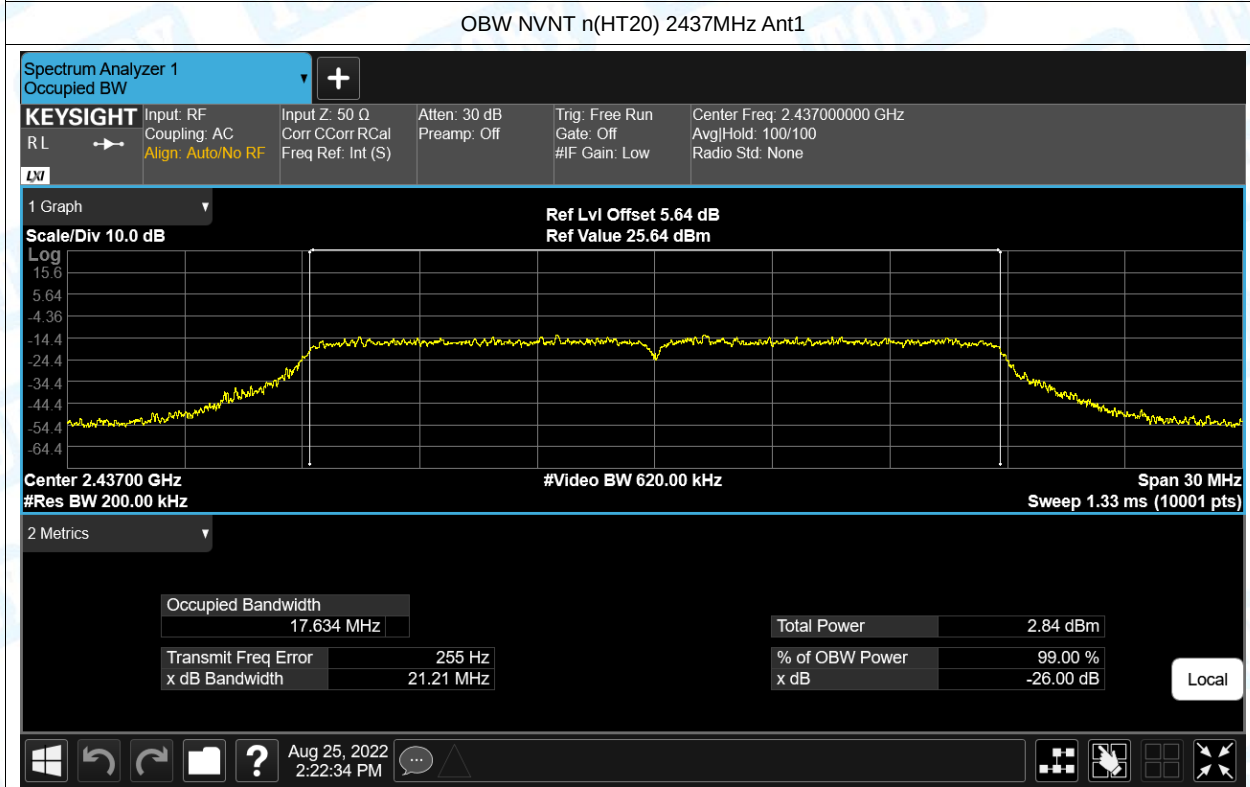
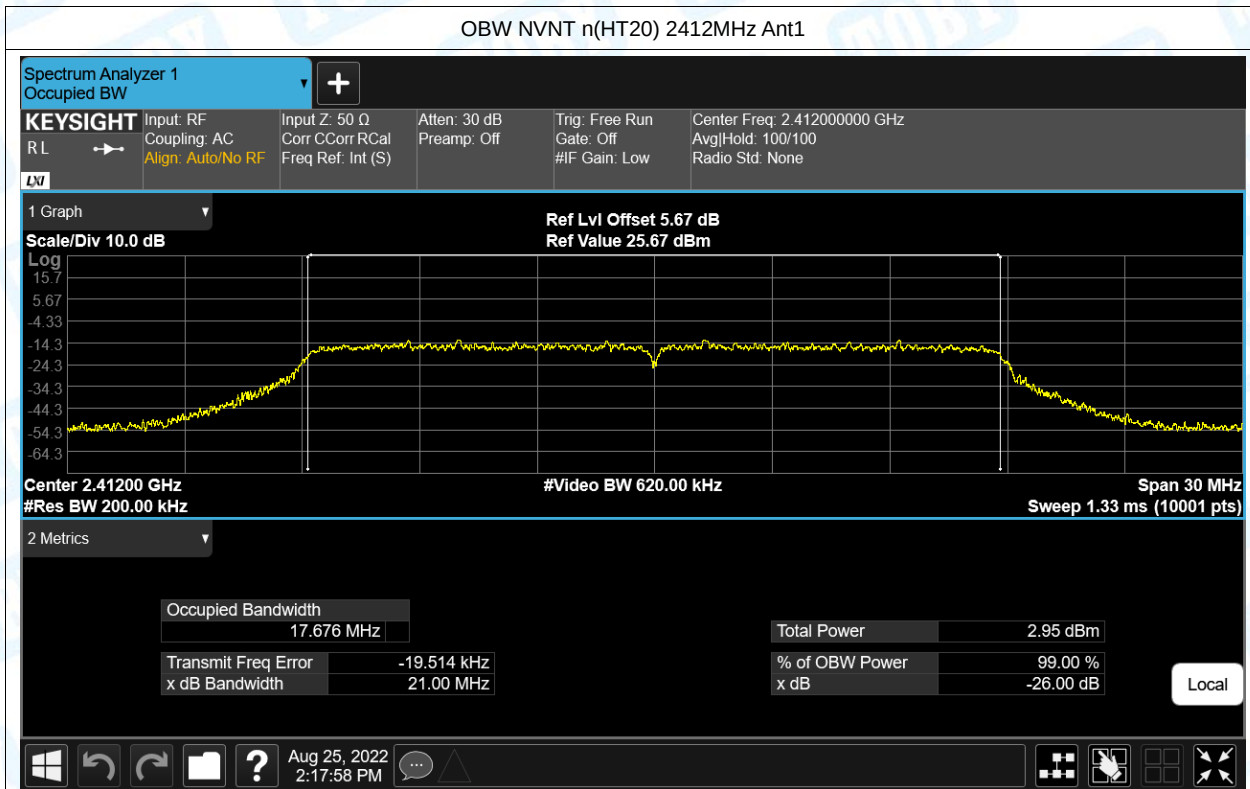


OBW NVNT g 2437MHz Ant1



OBW NVNT g 2462MHz Ant1

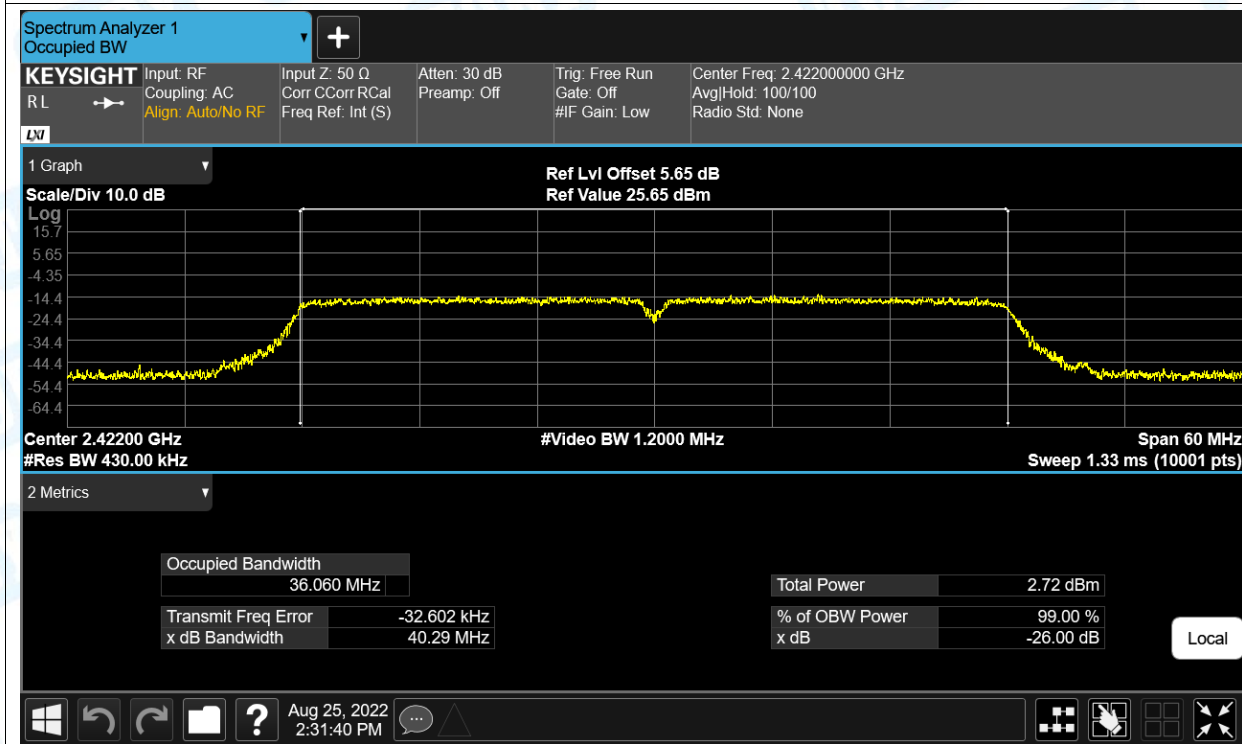




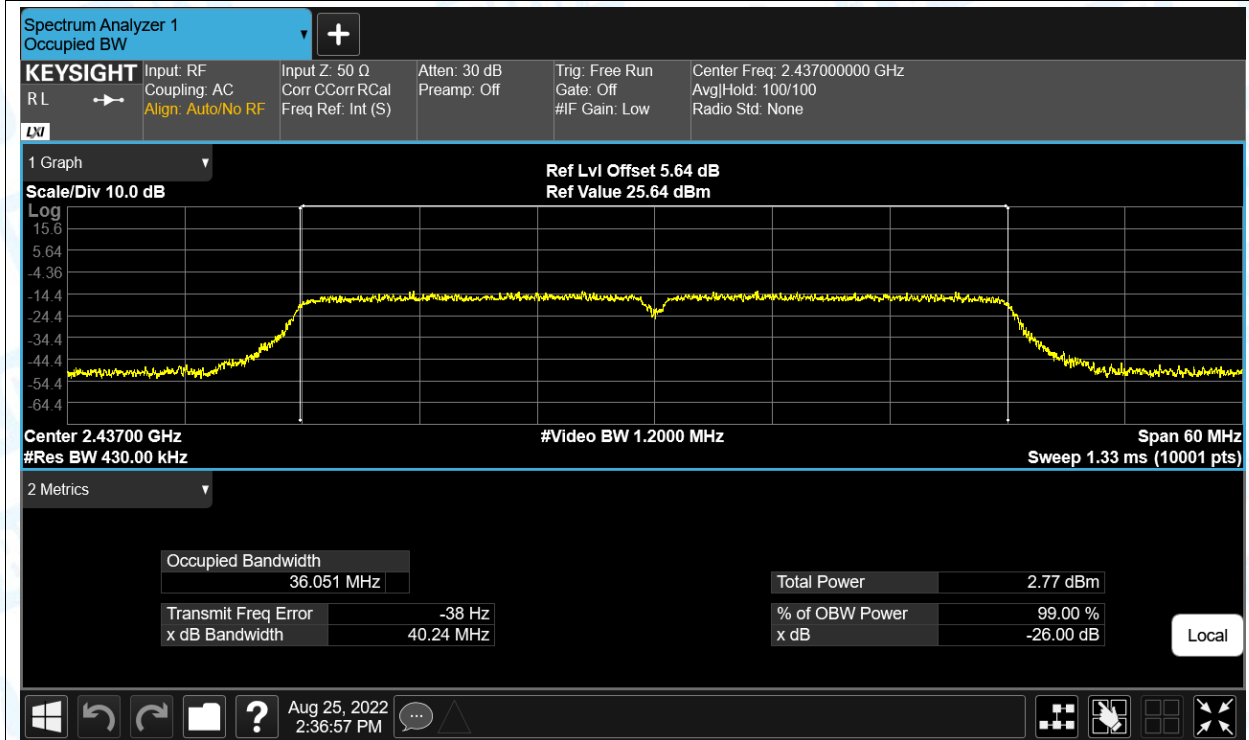
OBW NVNT n(HT20) 2462MHz Ant1



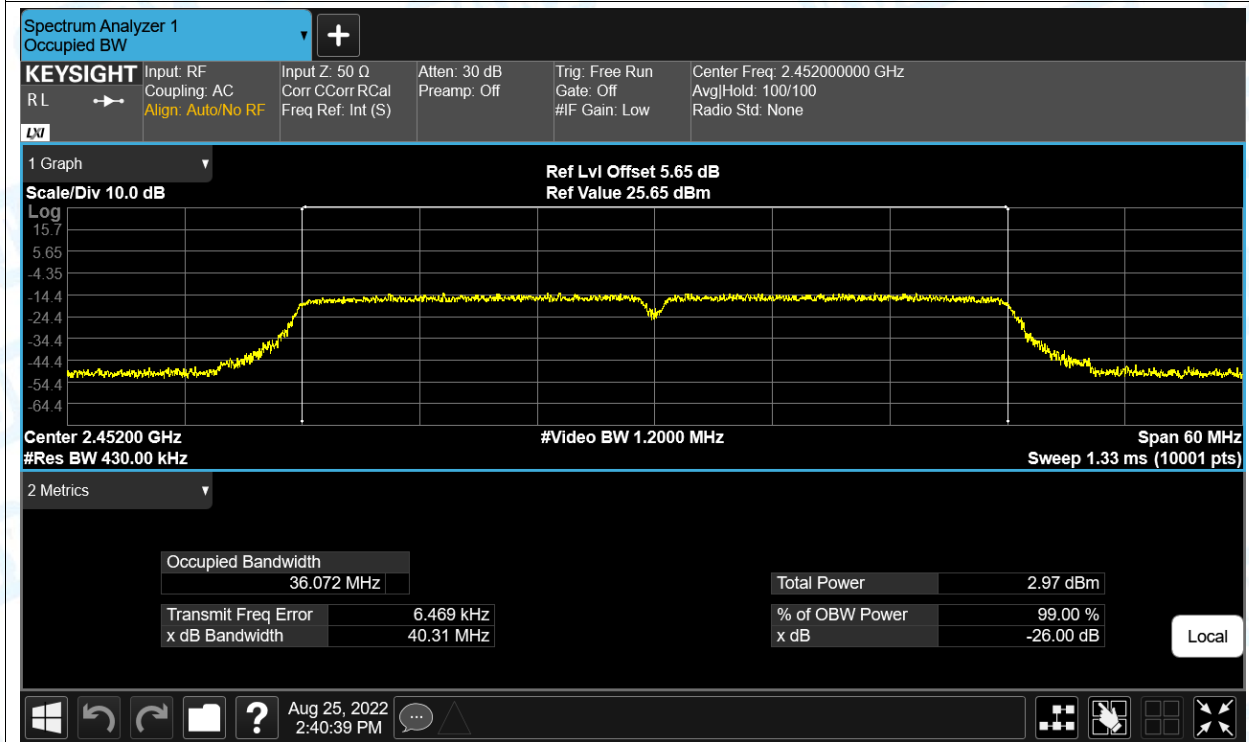
OBW NVNT n(HT40) 2422MHz Ant1



OBW NVNT n(HT40) 2437MHz Ant1

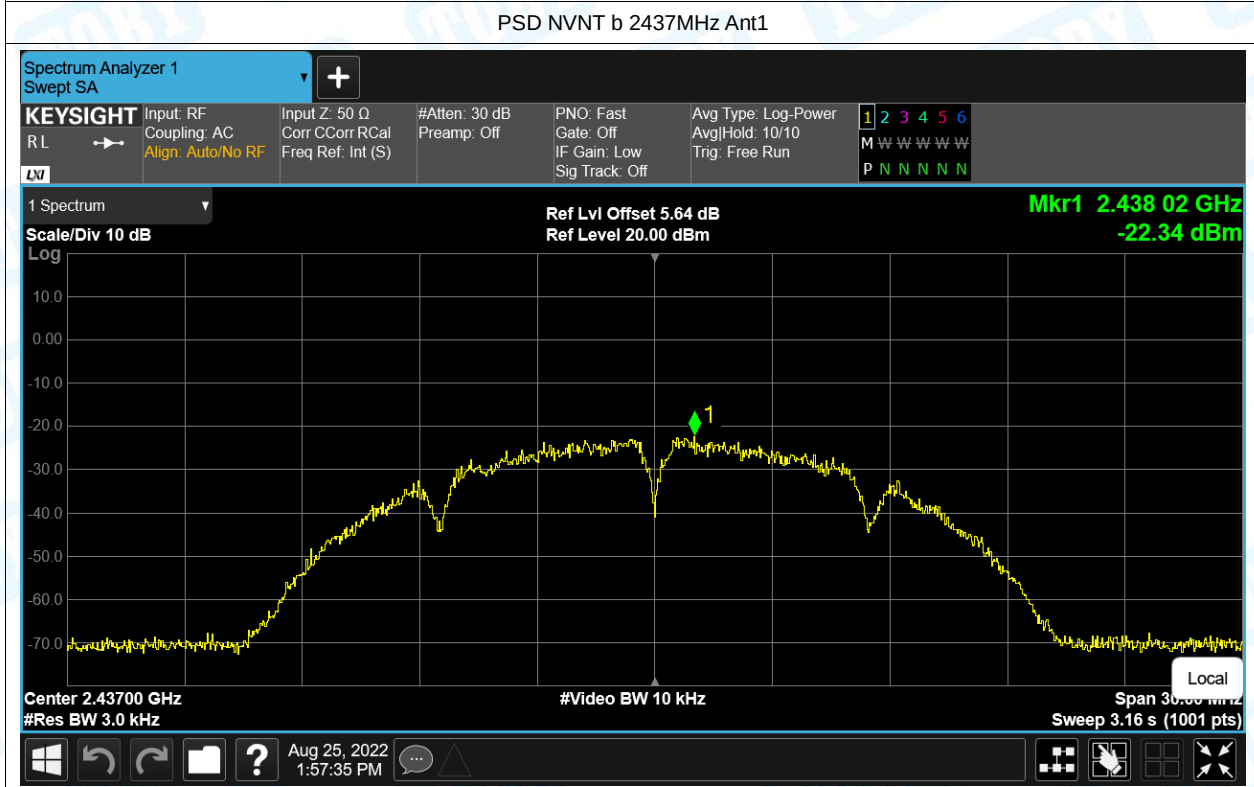
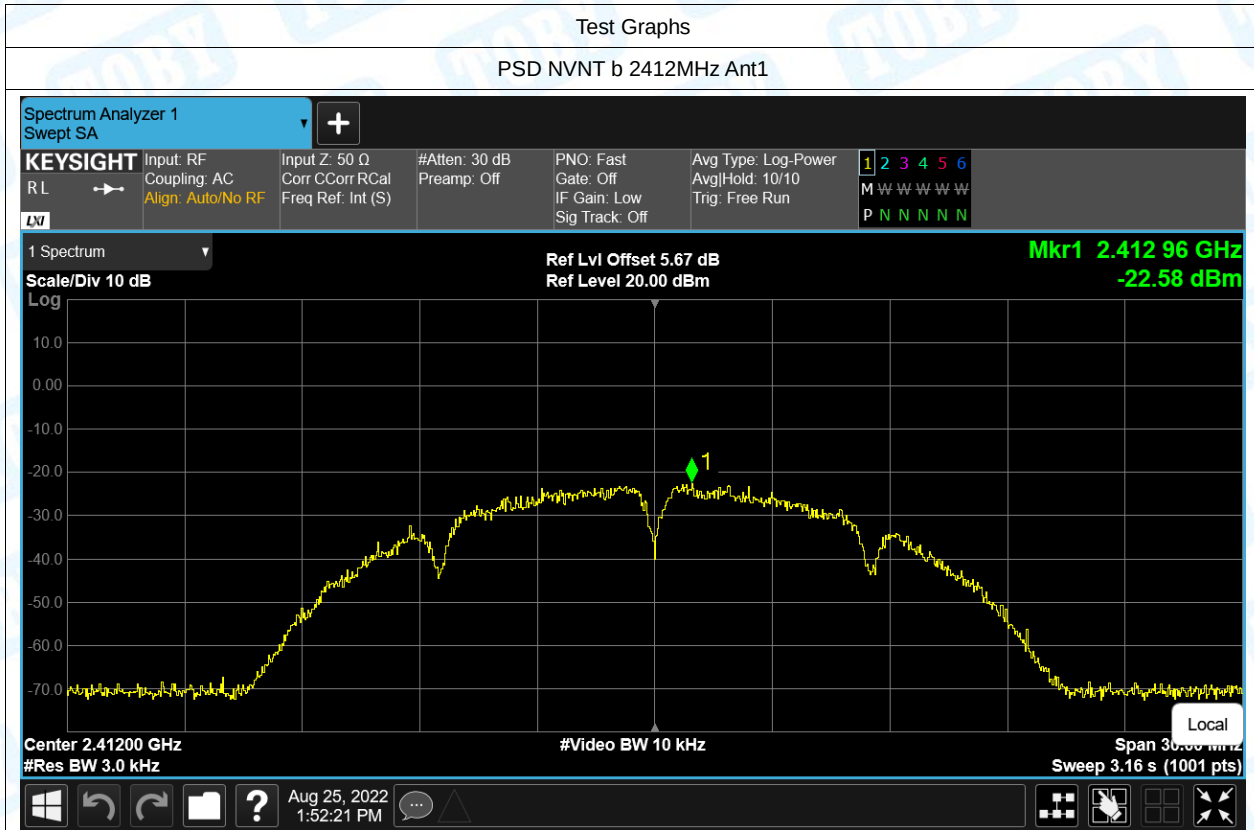


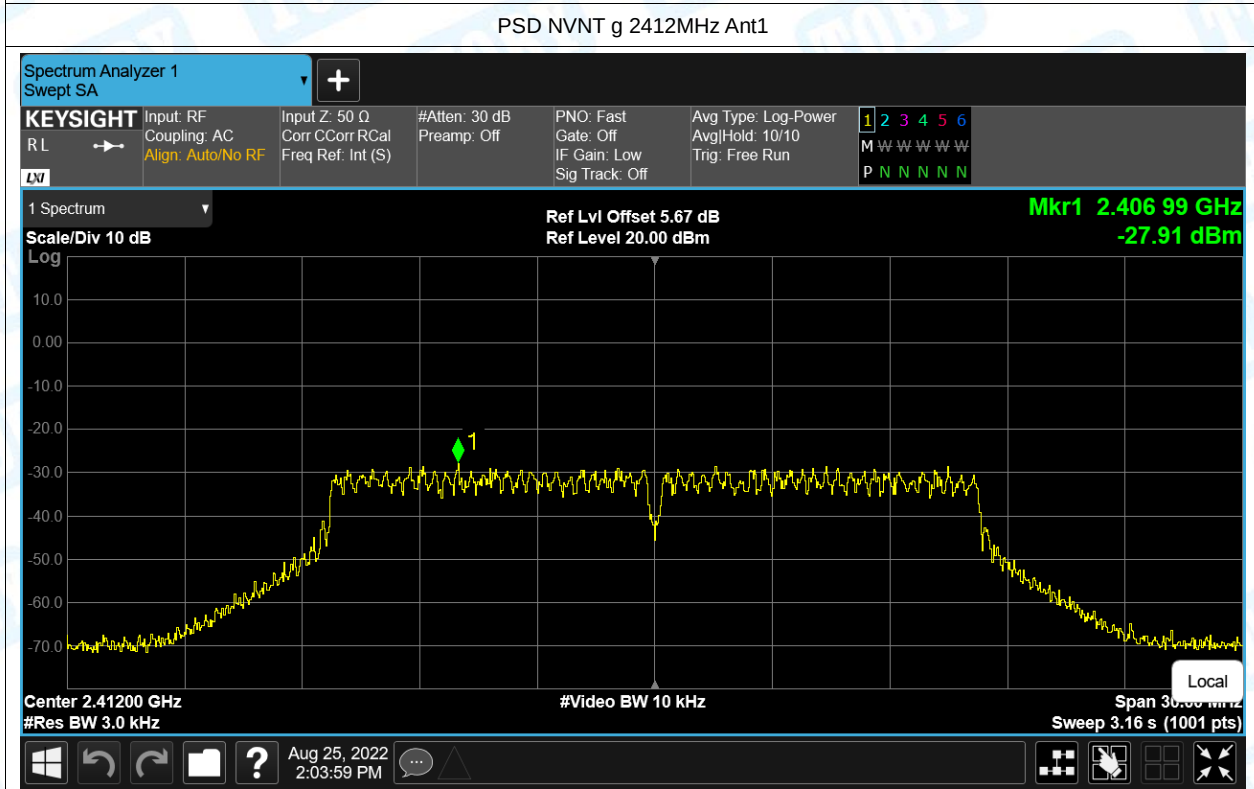
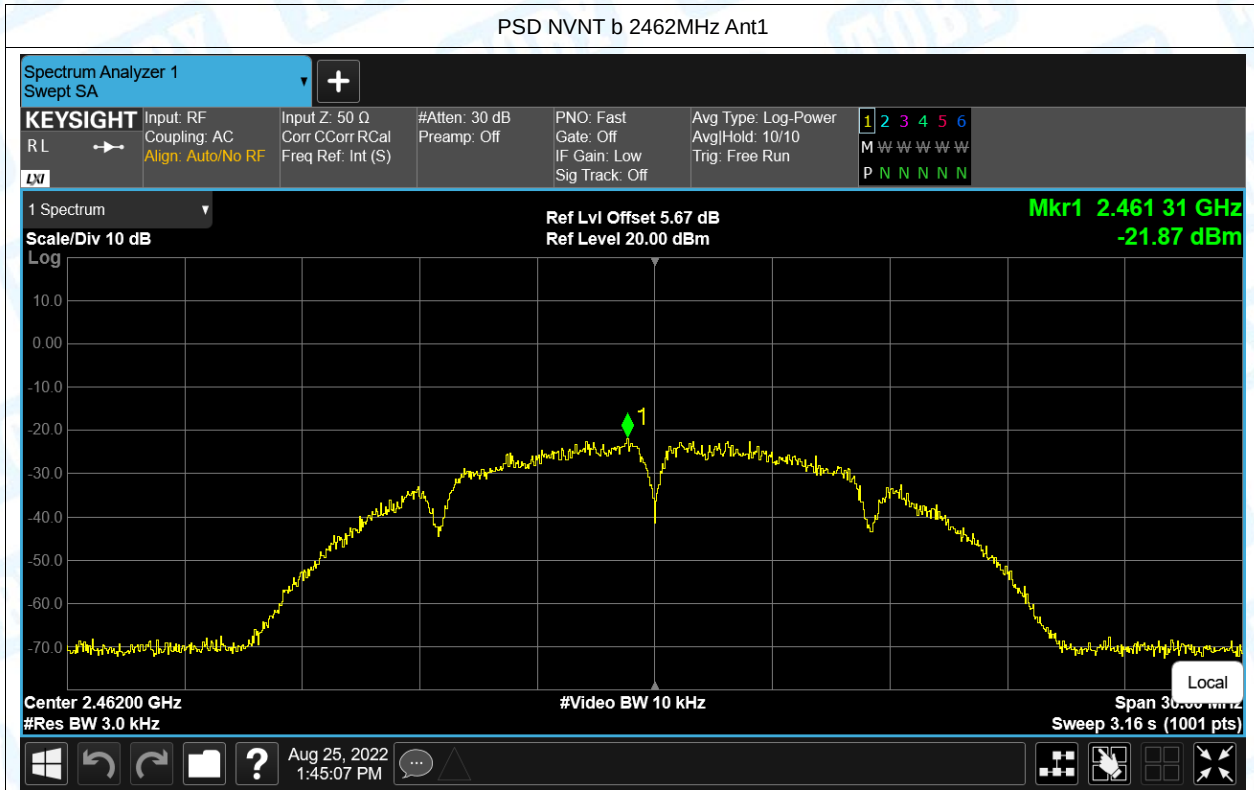
OBW NVNT n(HT40) 2452MHz Ant1

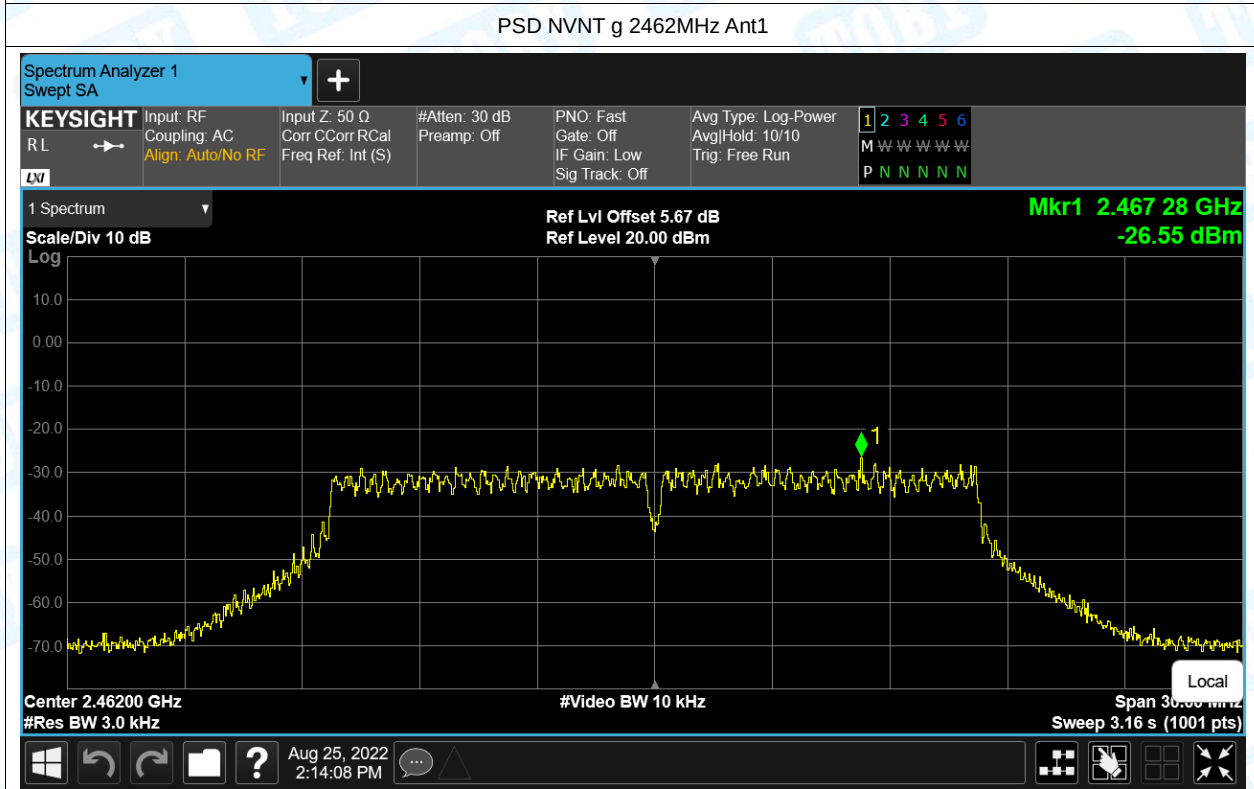
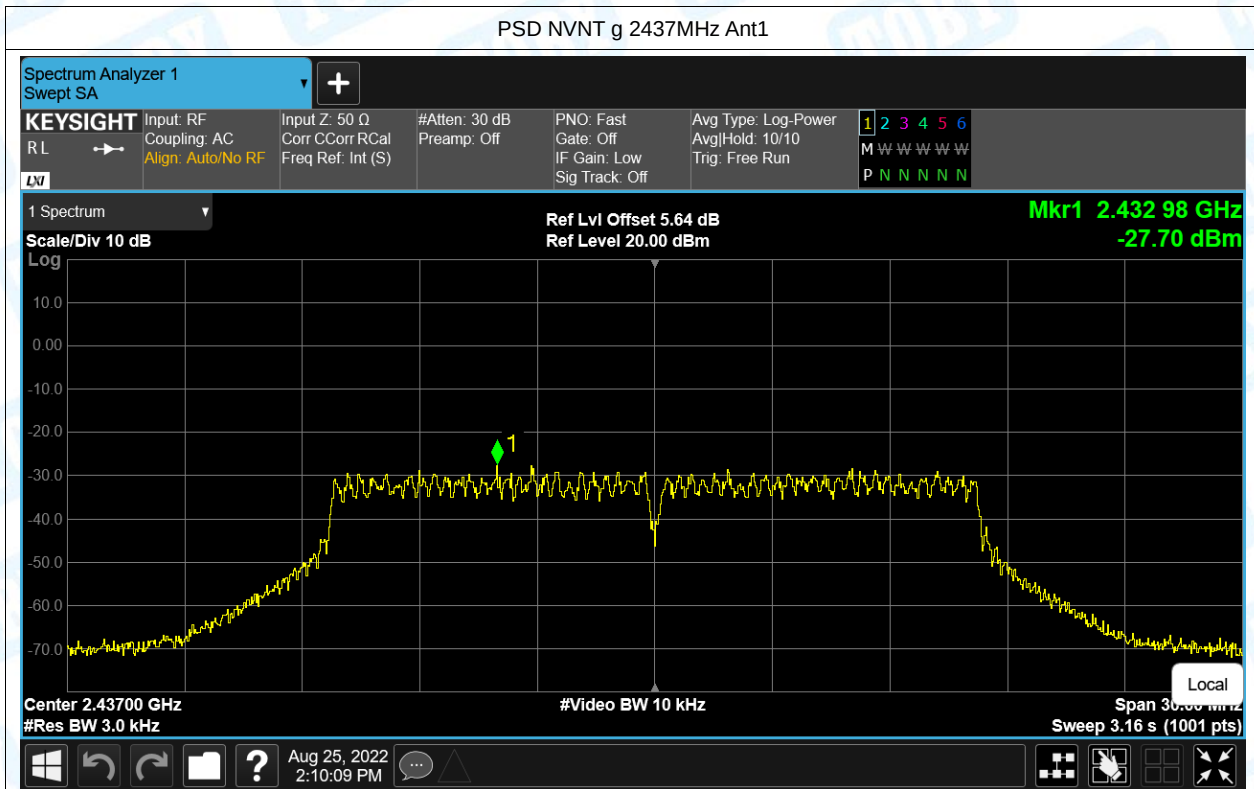


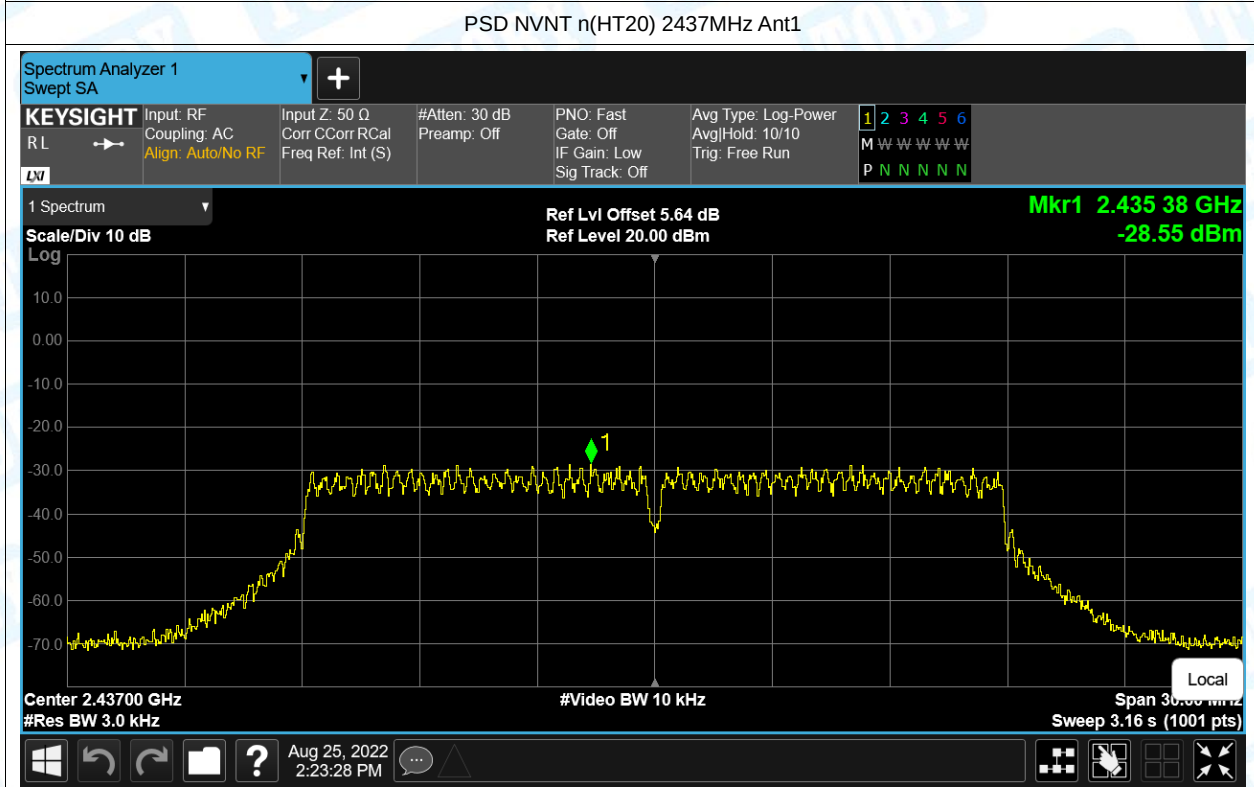
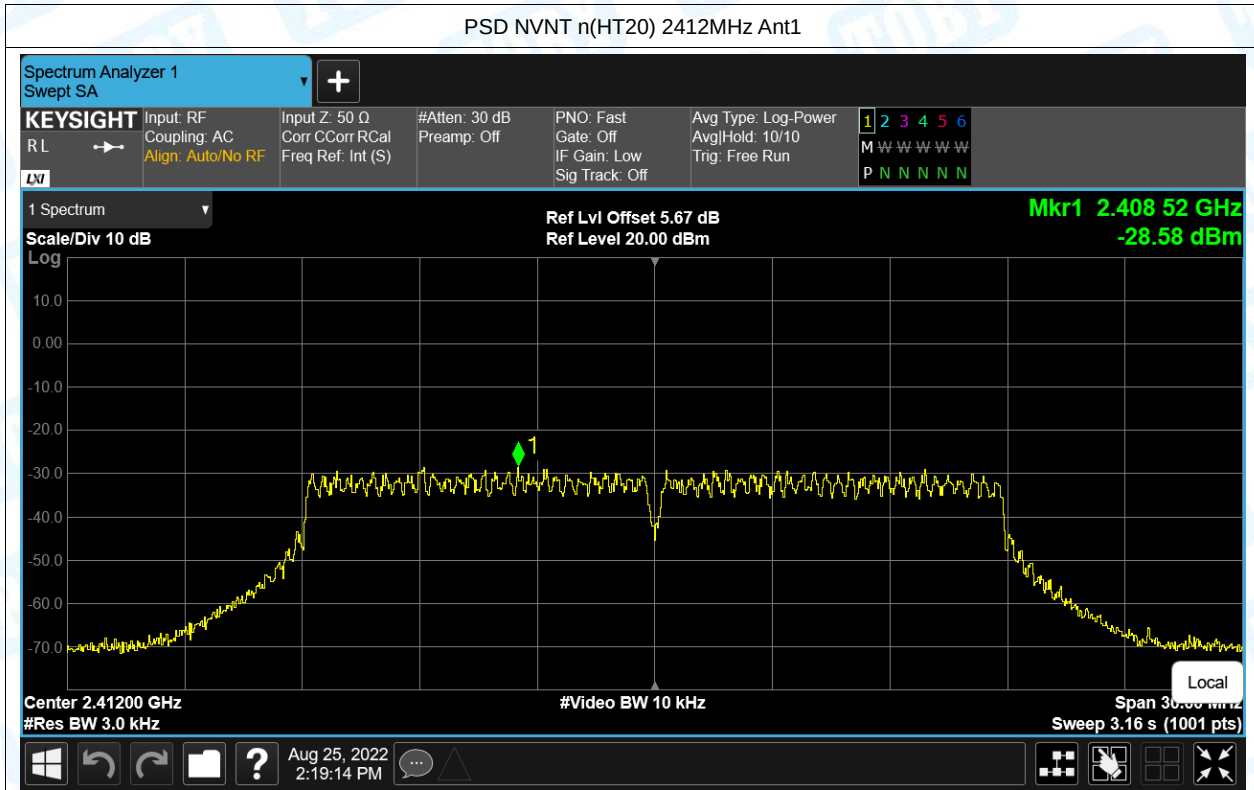
5. Maximum Power Spectral Density Level

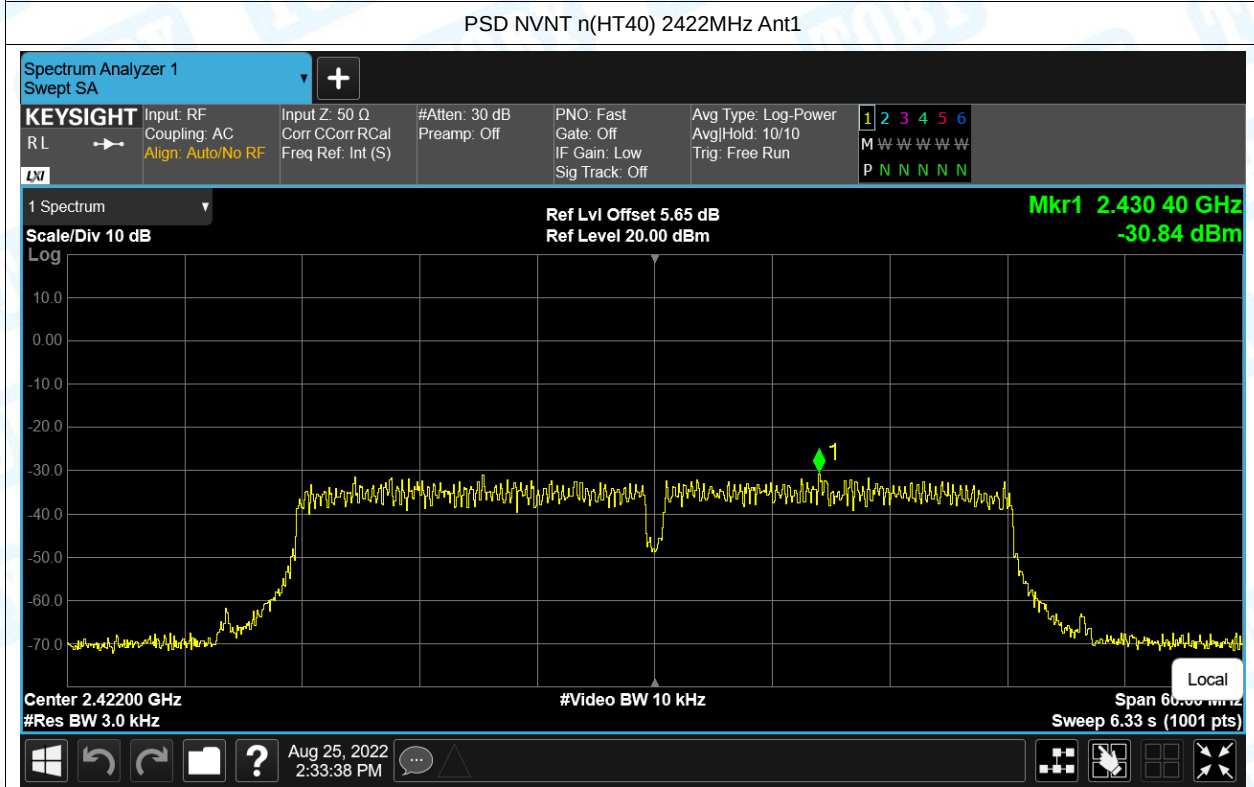
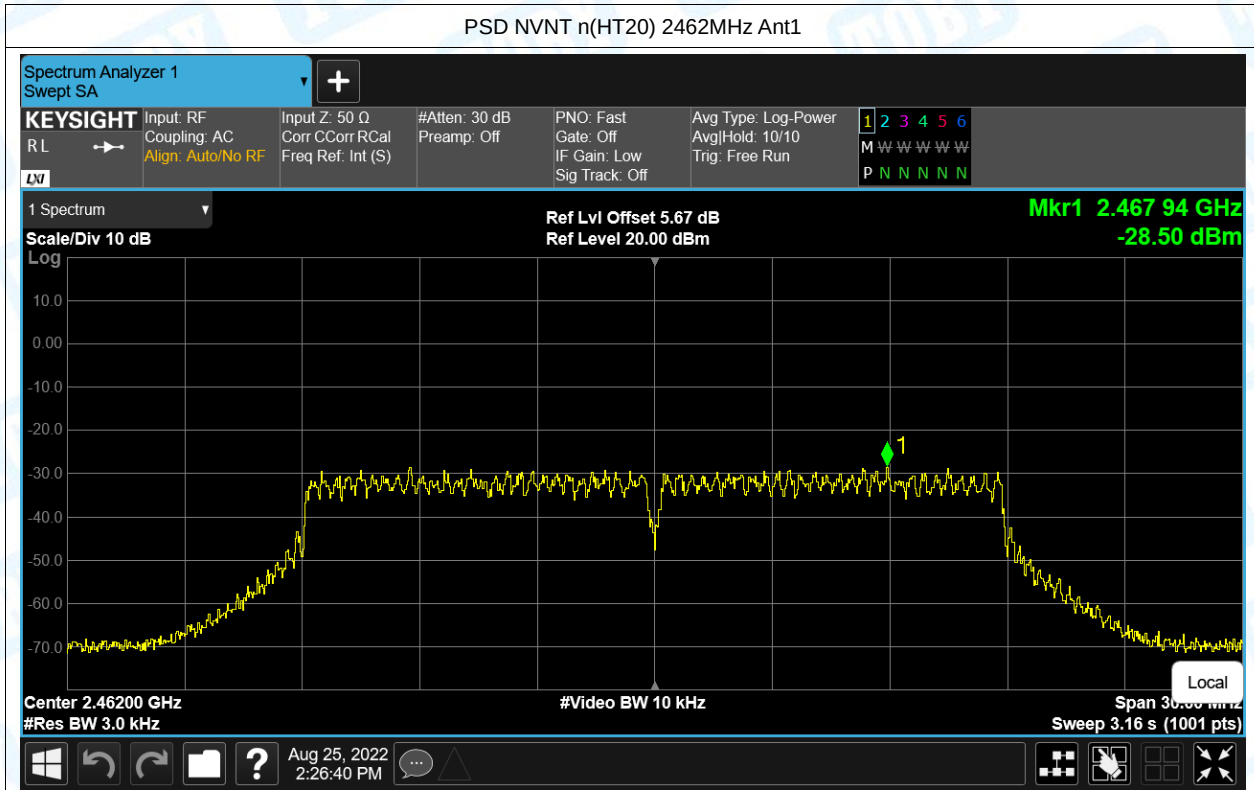
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-22.582	8	Pass
NVNT	b	2437	Ant1	-22.341	8	Pass
NVNT	b	2462	Ant1	-21.866	8	Pass
NVNT	g	2412	Ant1	-27.909	8	Pass
NVNT	g	2437	Ant1	-27.699	8	Pass
NVNT	g	2462	Ant1	-26.546	8	Pass
NVNT	n(HT20)	2412	Ant1	-28.579	8	Pass
NVNT	n(HT20)	2437	Ant1	-28.55	8	Pass
NVNT	n(HT20)	2462	Ant1	-28.495	8	Pass
NVNT	n(HT40)	2422	Ant1	-30.839	8	Pass
NVNT	n(HT40)	2437	Ant1	-31.632	8	Pass
NVNT	n(HT40)	2452	Ant1	-31.229	8	Pass

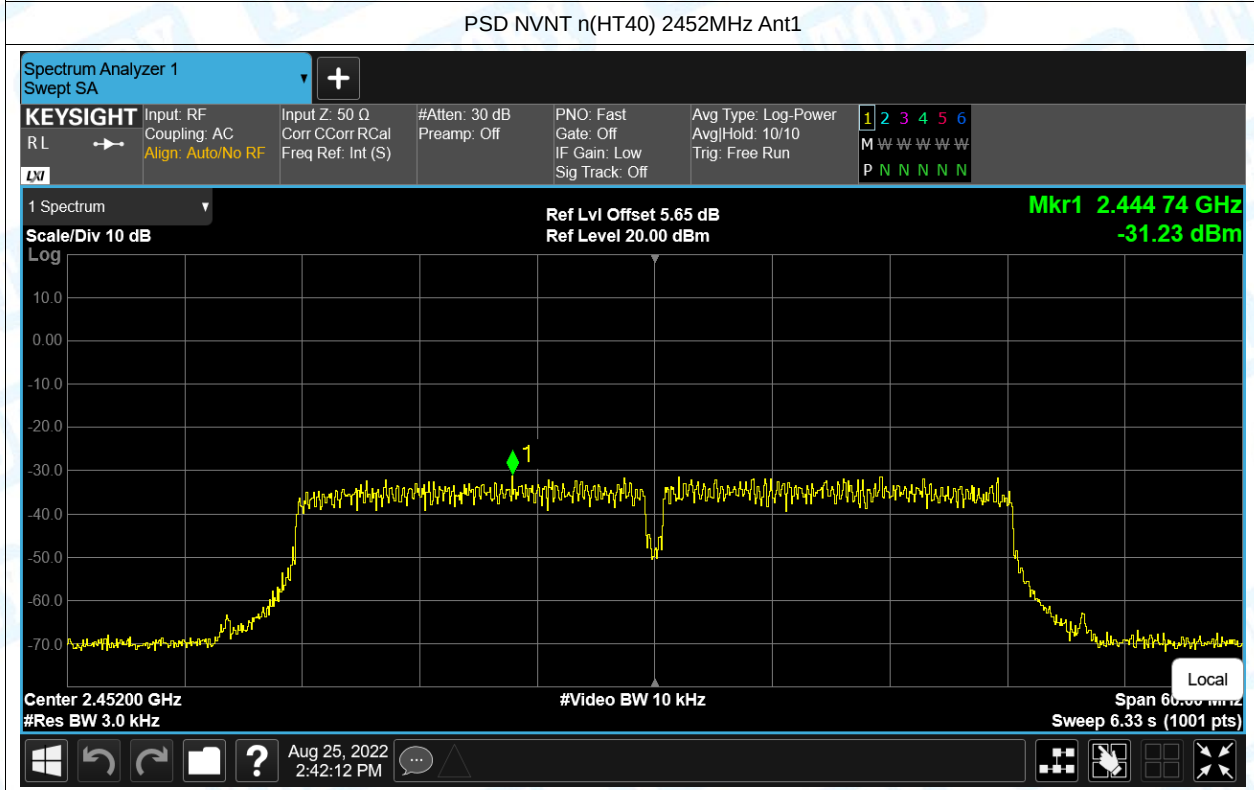
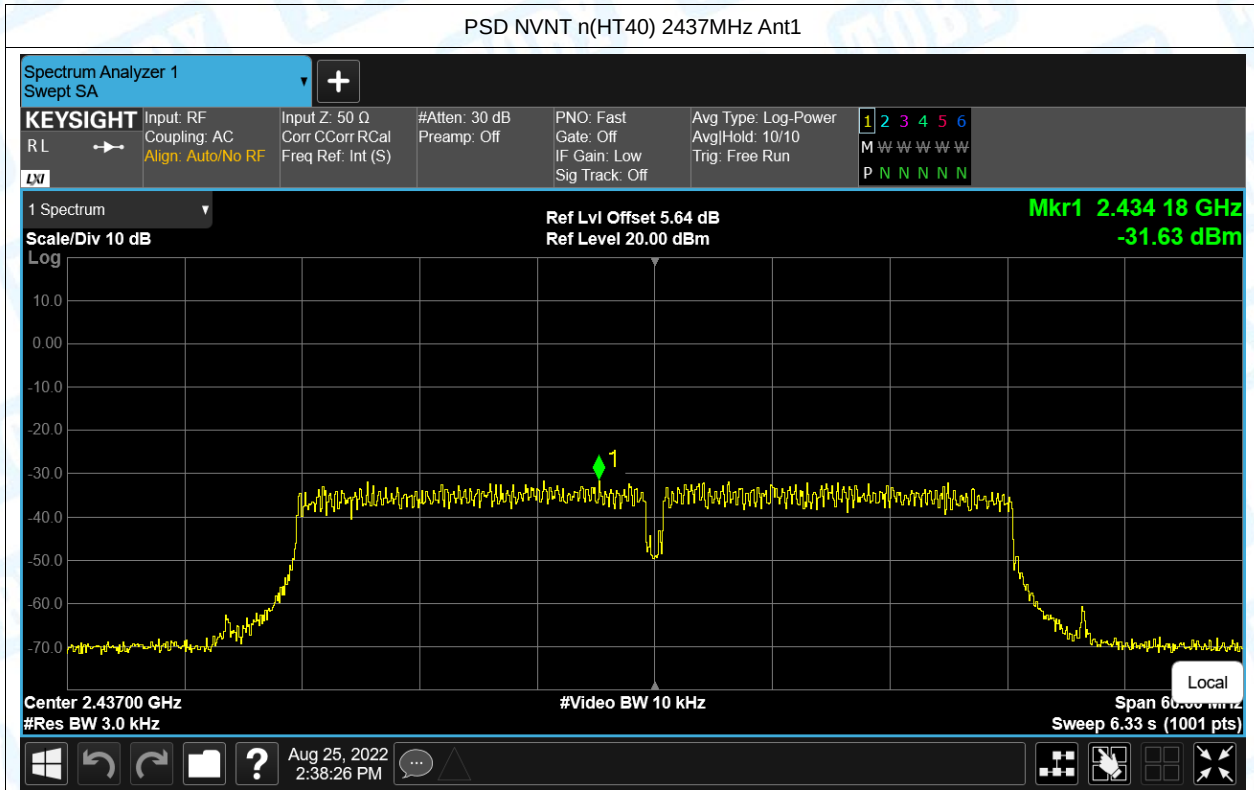






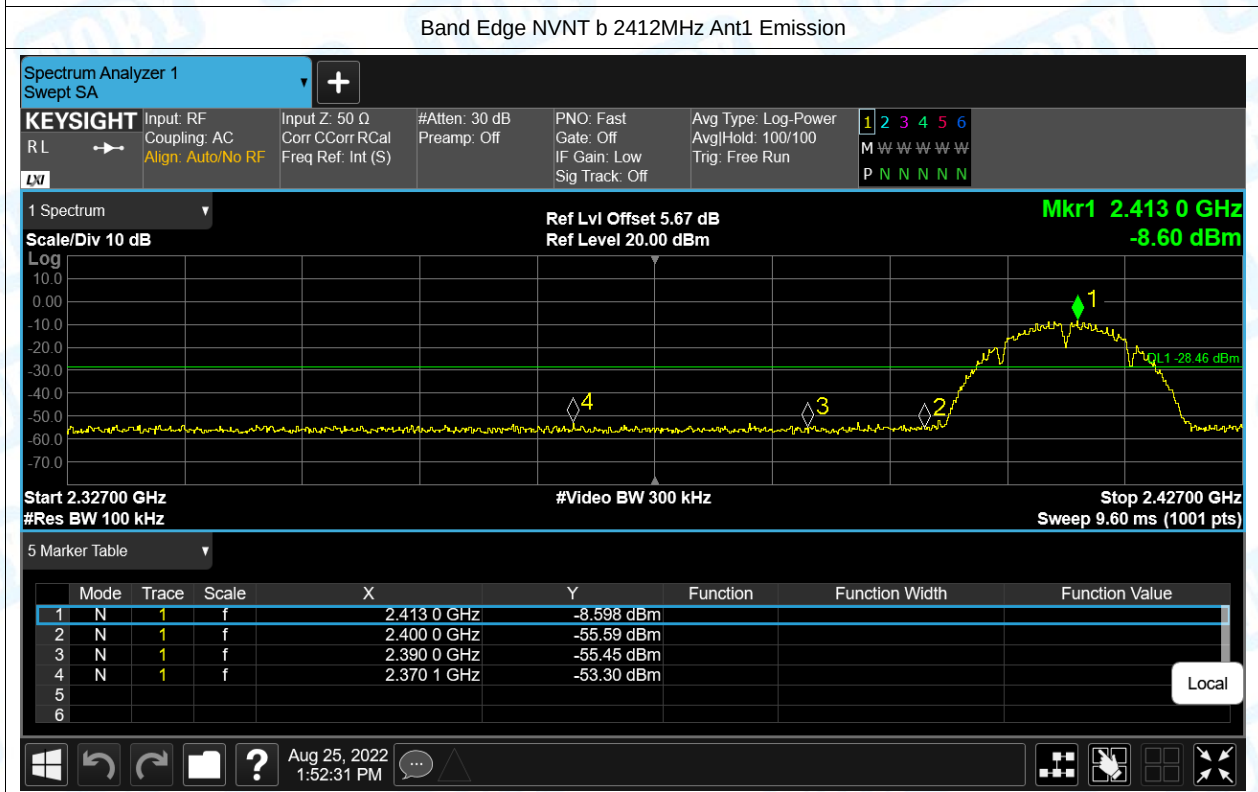
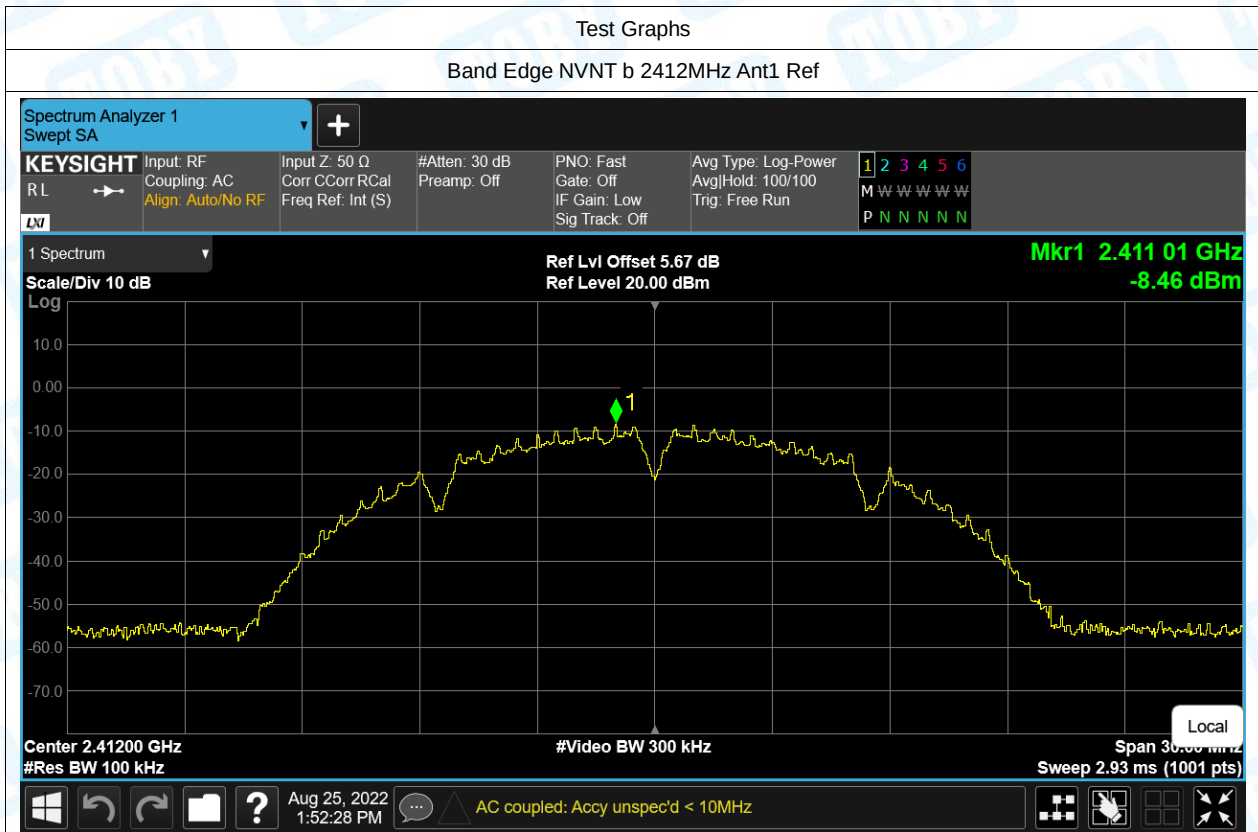


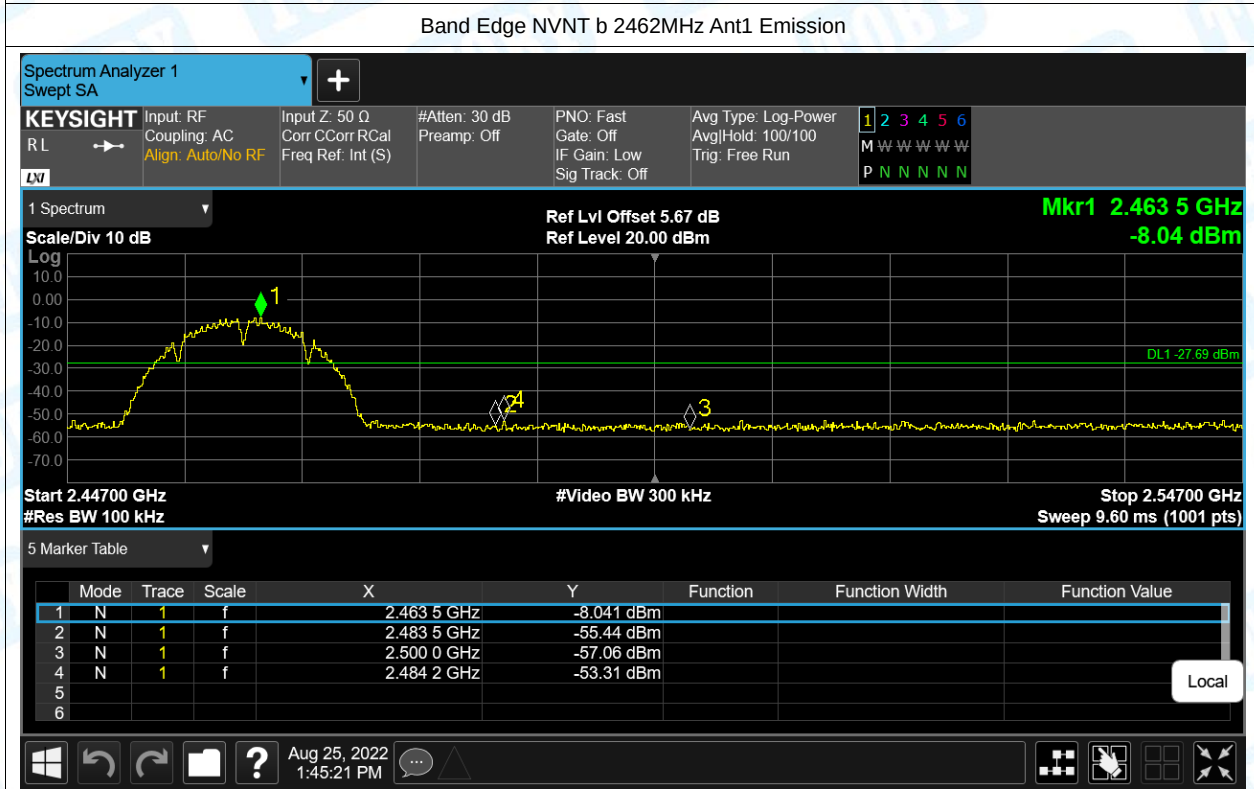
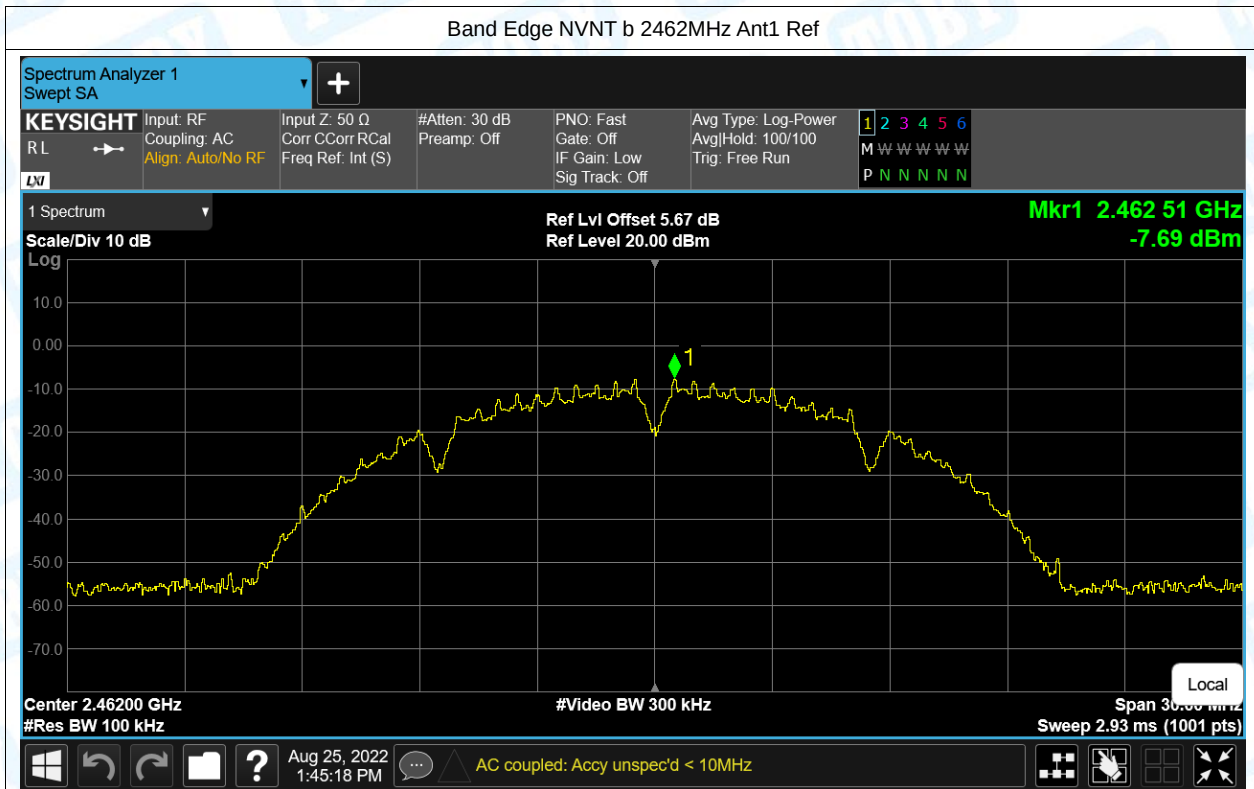


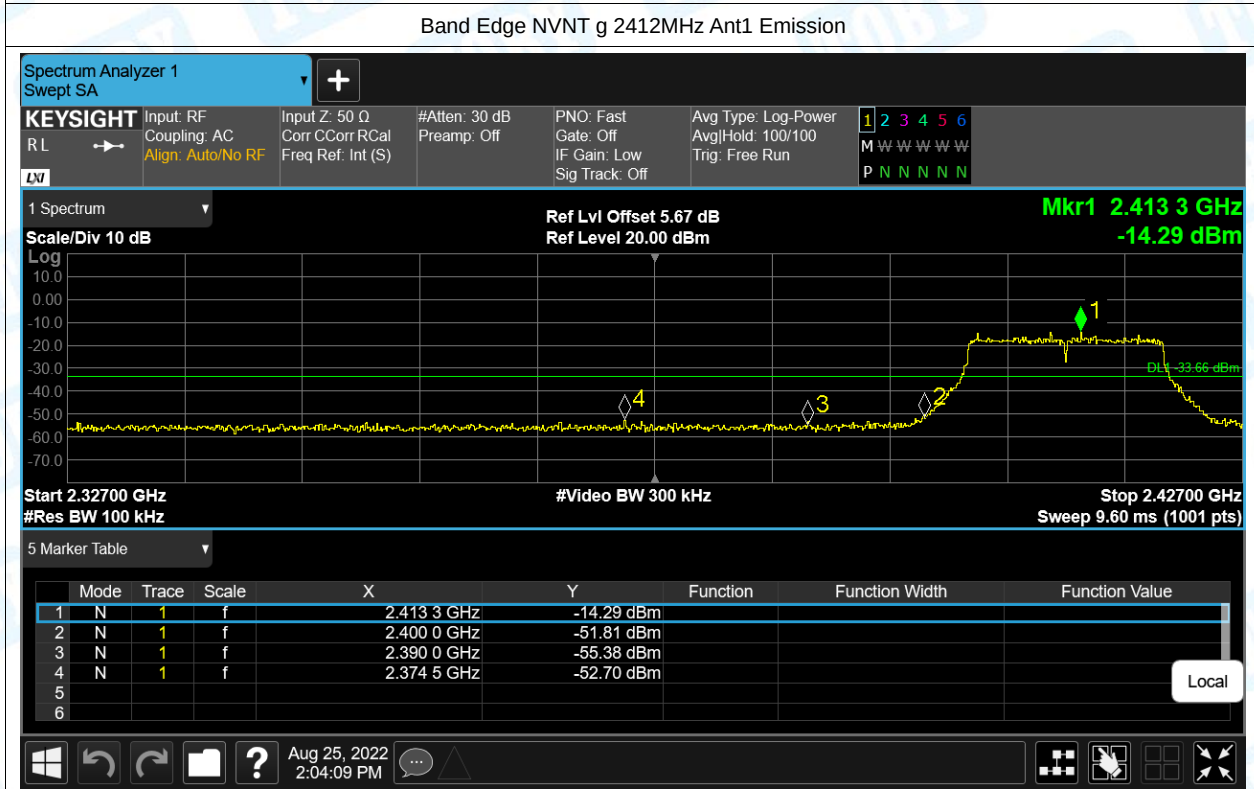


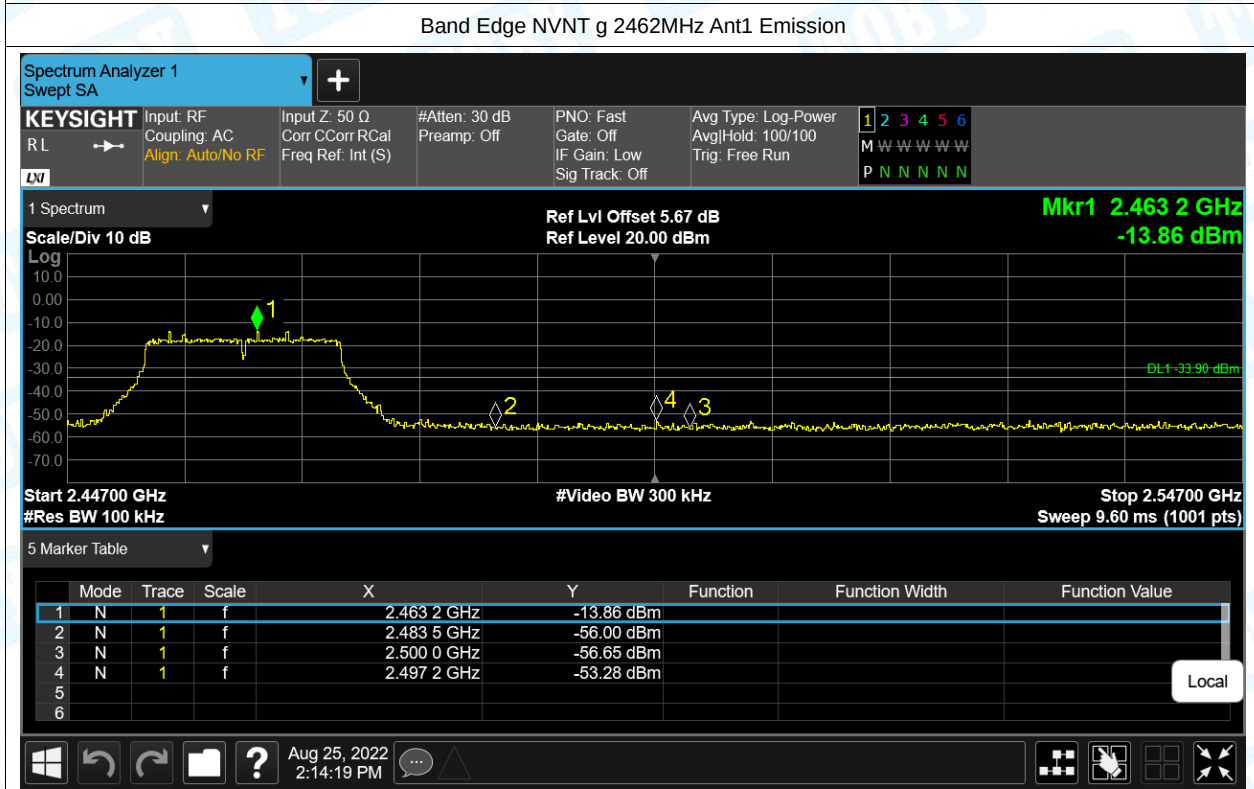
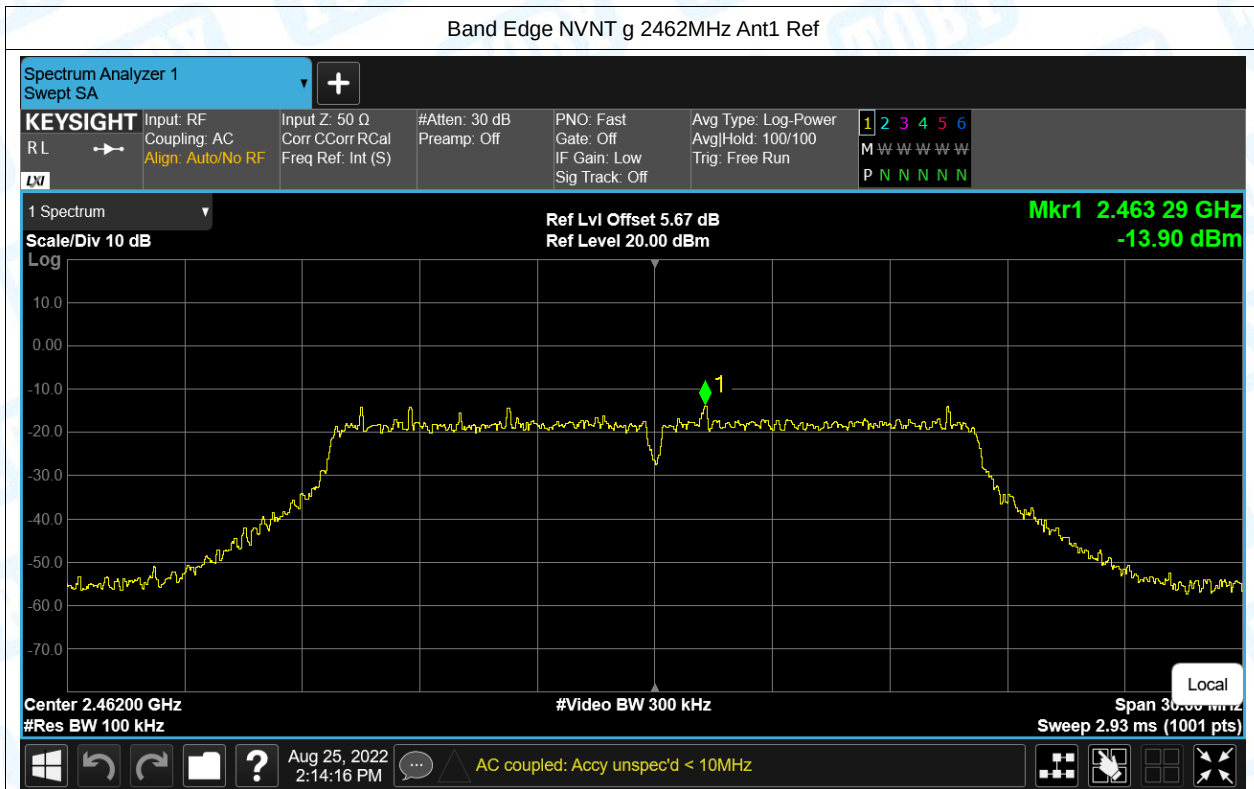
6. Band Edge

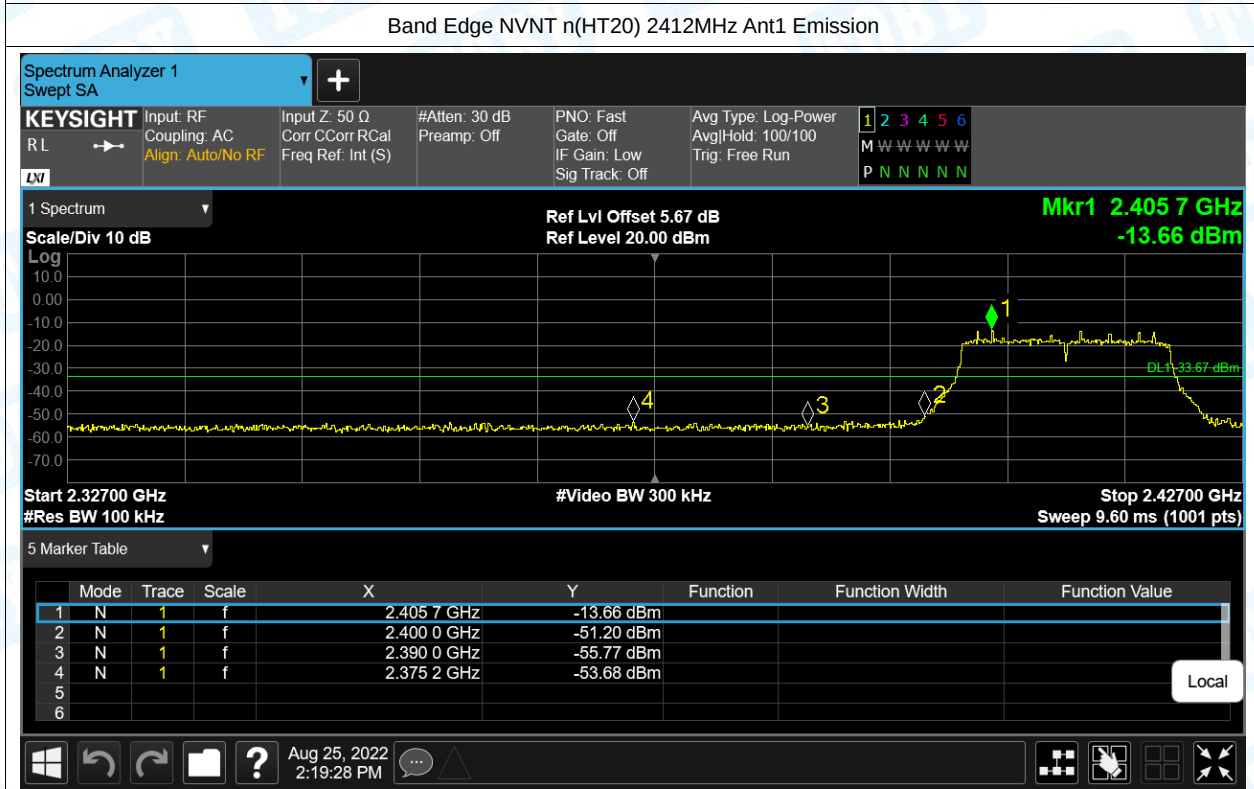
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-44.84	-20	Pass
NVNT	b	2462	Ant1	-45.62	-20	Pass
NVNT	g	2412	Ant1	-39.04	-20	Pass
NVNT	g	2462	Ant1	-39.38	-20	Pass
NVNT	n(HT20)	2412	Ant1	-40	-20	Pass
NVNT	n(HT20)	2462	Ant1	-38.35	-20	Pass
NVNT	n(HT40)	2422	Ant1	-36.24	-20	Pass
NVNT	n(HT40)	2452	Ant1	-36.42	-20	Pass



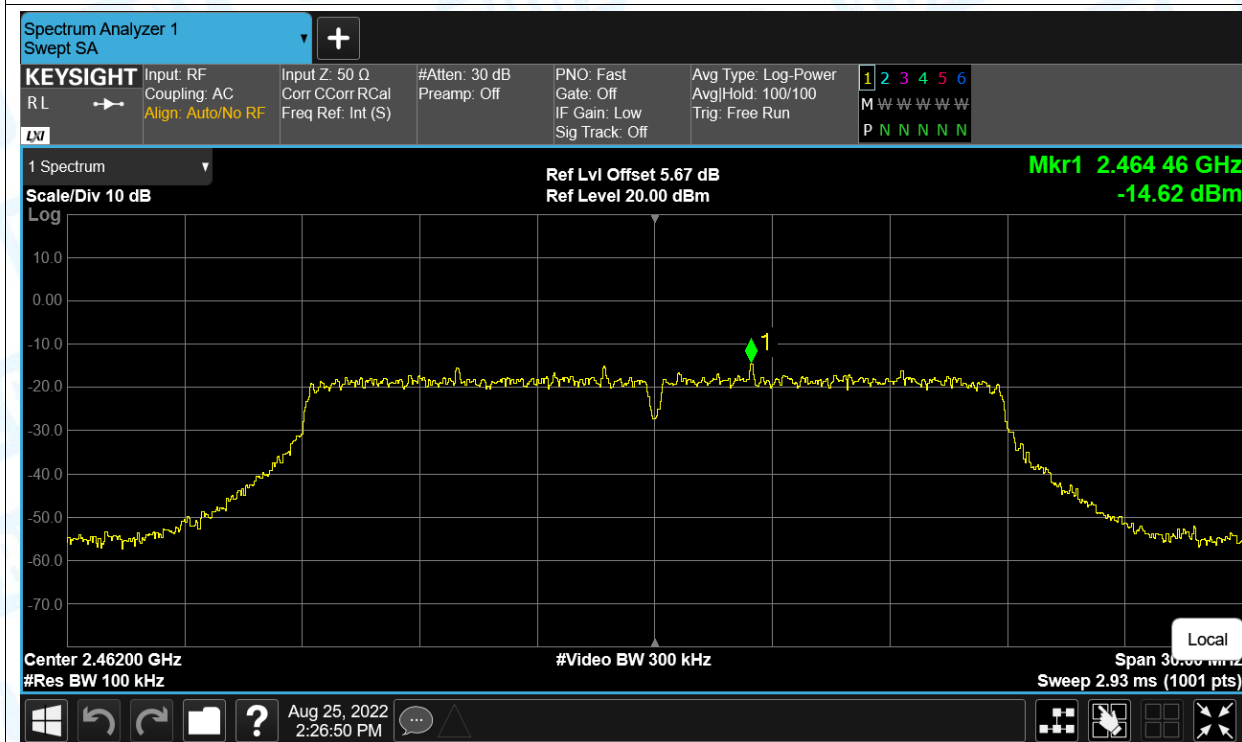




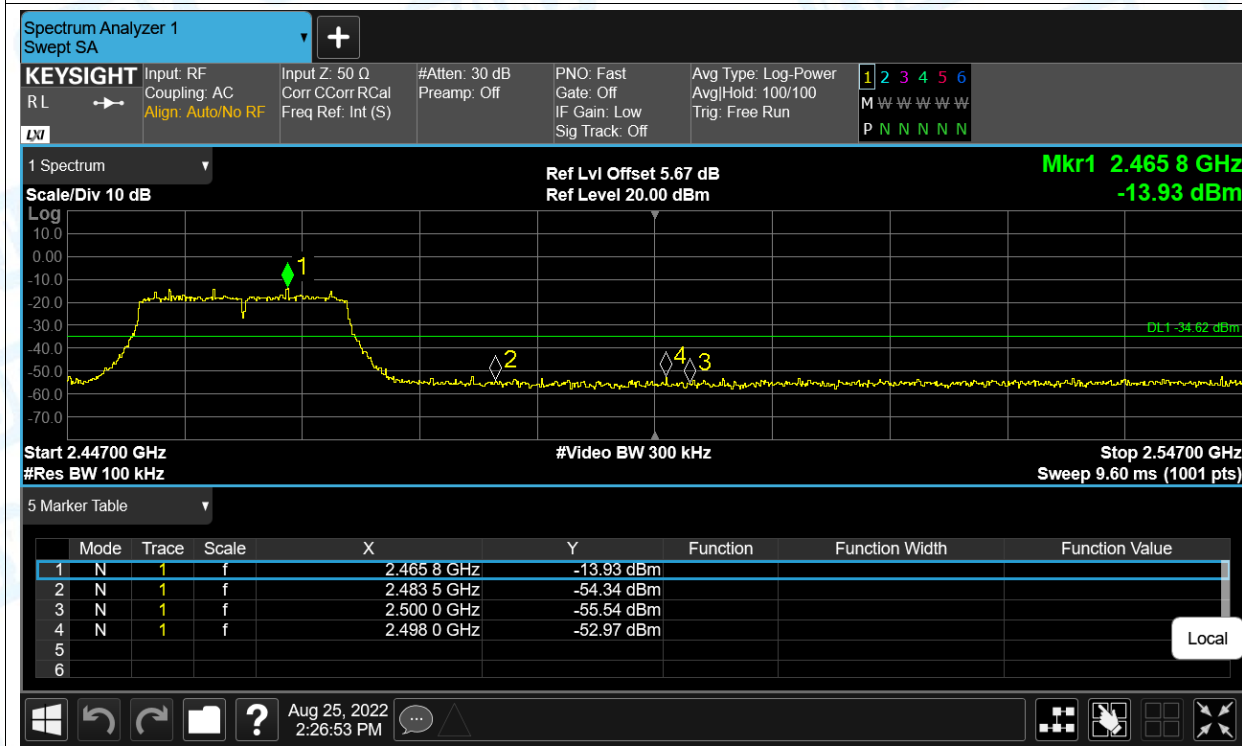


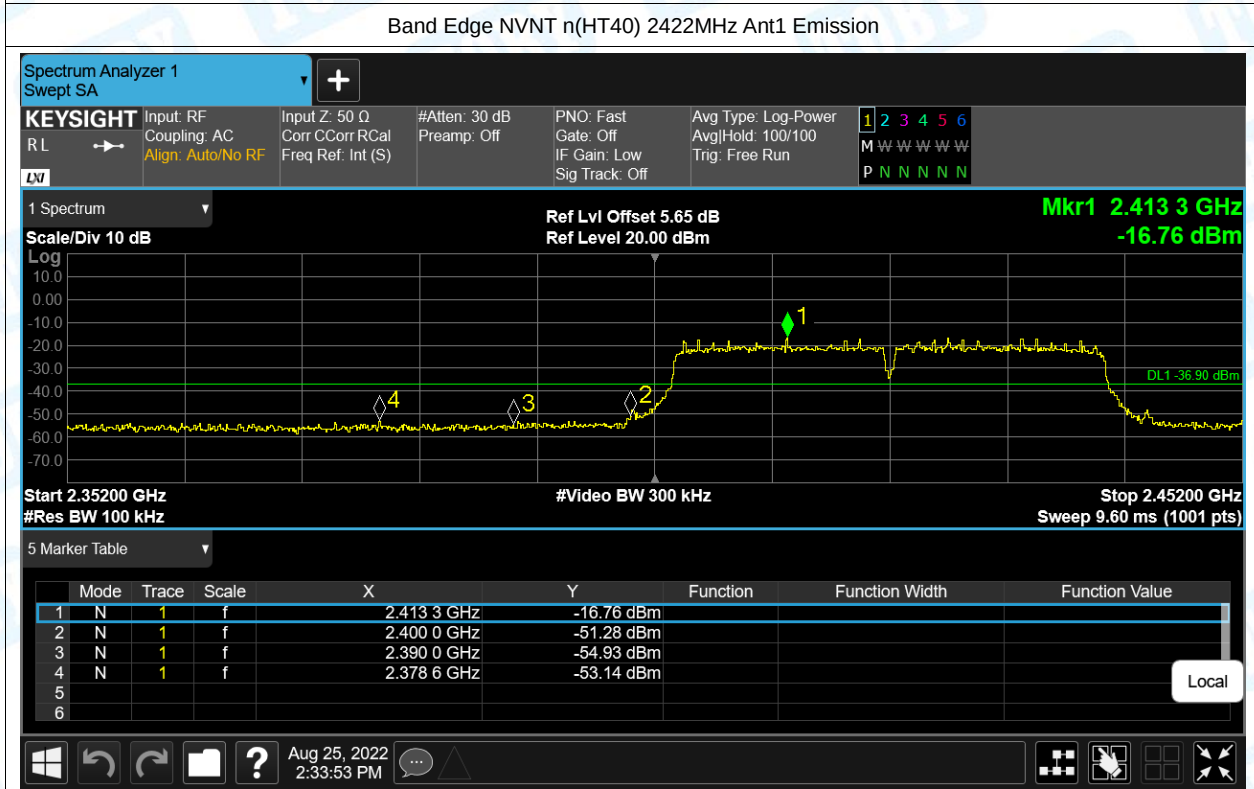


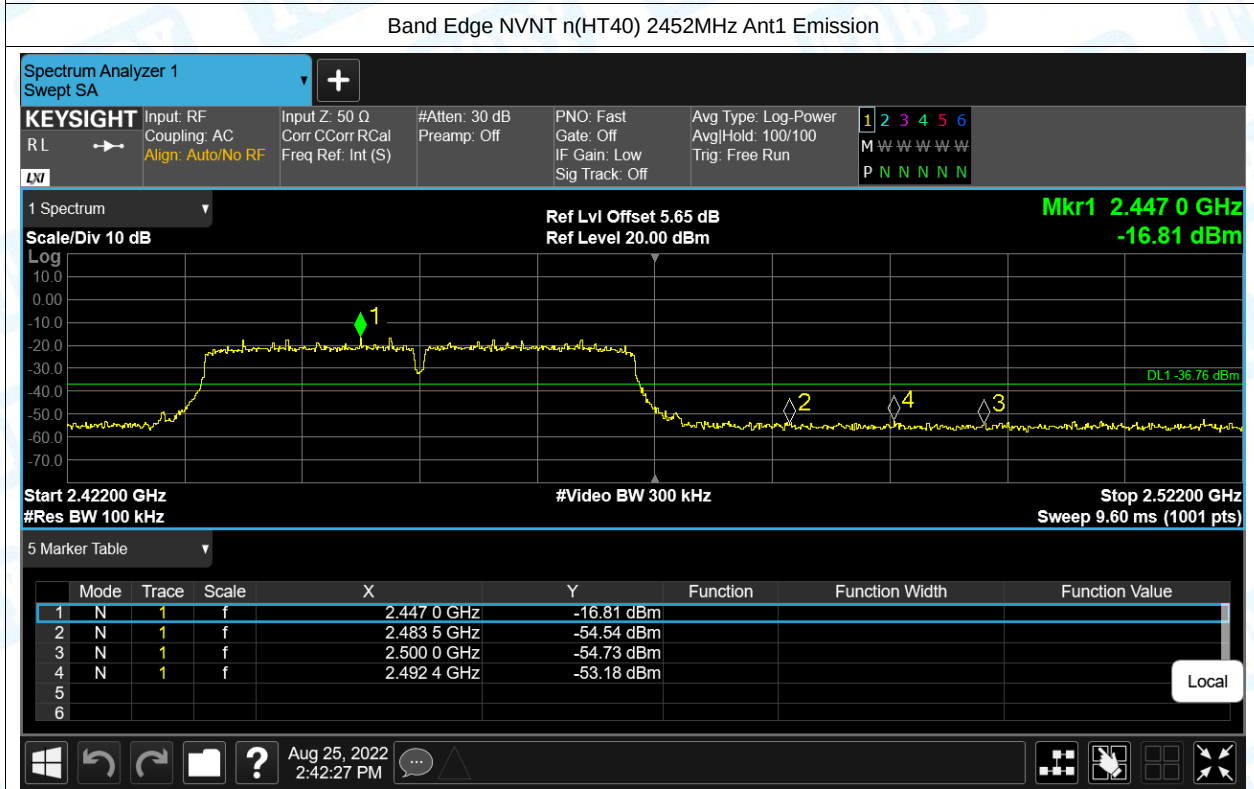
Band Edge NVNT n(HT20) 2462MHz Ant1 Ref



Band Edge NVNT n(HT20) 2462MHz Ant1 Emission







7. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-29.91	-20	Pass
NVNT	b	2437	Ant1	-30.34	-20	Pass
NVNT	b	2462	Ant1	-30.57	-20	Pass
NVNT	g	2412	Ant1	-25.32	-20	Pass
NVNT	g	2437	Ant1	-23.21	-20	Pass
NVNT	g	2462	Ant1	-24.35	-20	Pass
NVNT	n(HT20)	2412	Ant1	-25.41	-20	Pass
NVNT	n(HT20)	2437	Ant1	-24.16	-20	Pass
NVNT	n(HT20)	2462	Ant1	-25.23	-20	Pass
NVNT	n(HT40)	2422	Ant1	-20.92	-20	Pass
NVNT	n(HT40)	2437	Ant1	-21.64	-20	Pass
NVNT	n(HT40)	2452	Ant1	-22.41	-20	Pass