

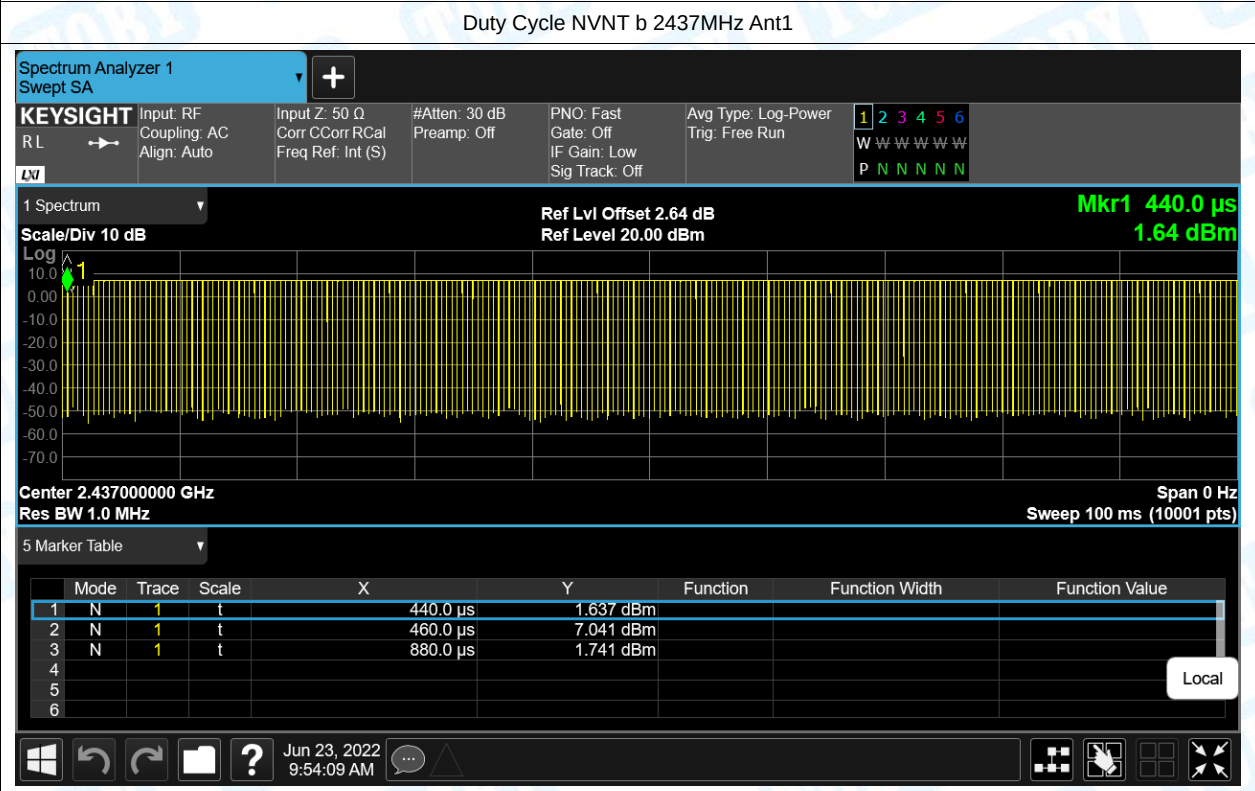
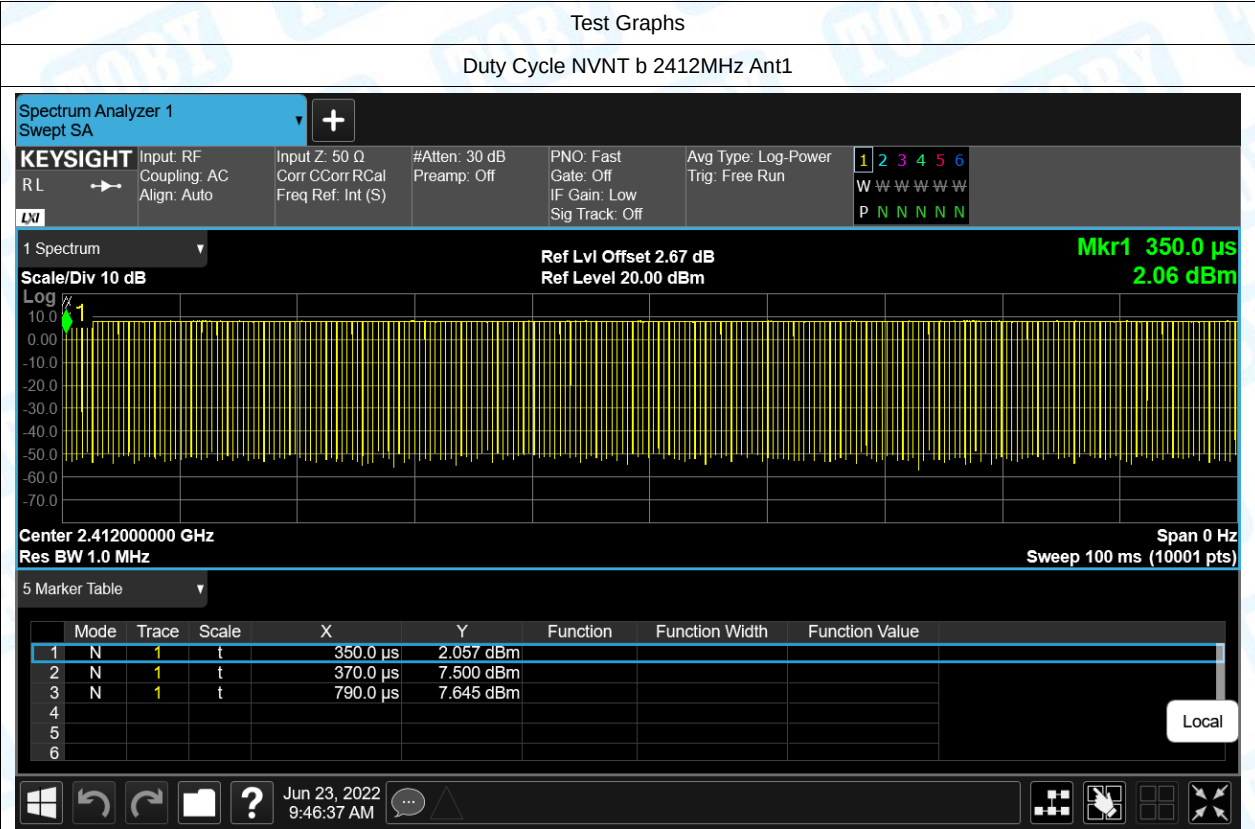
RF Test Data for 2.4G WiFi

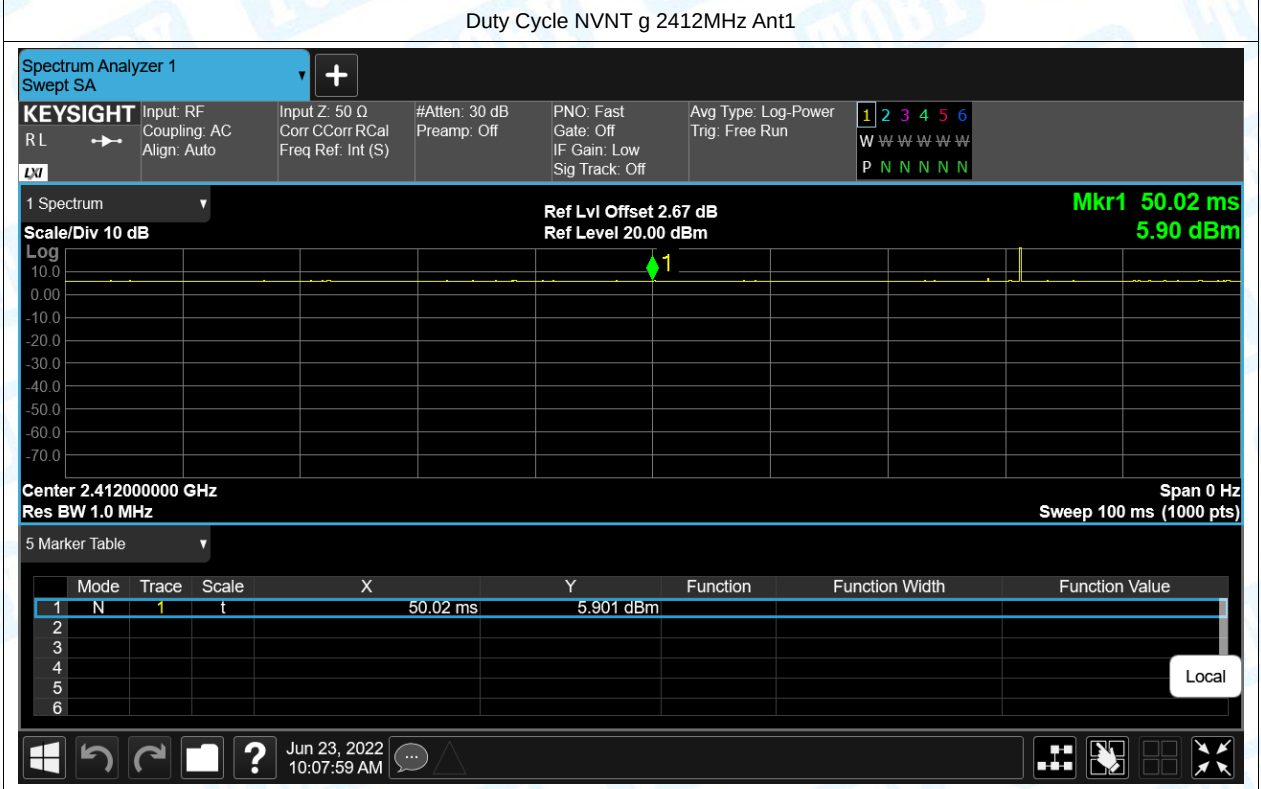
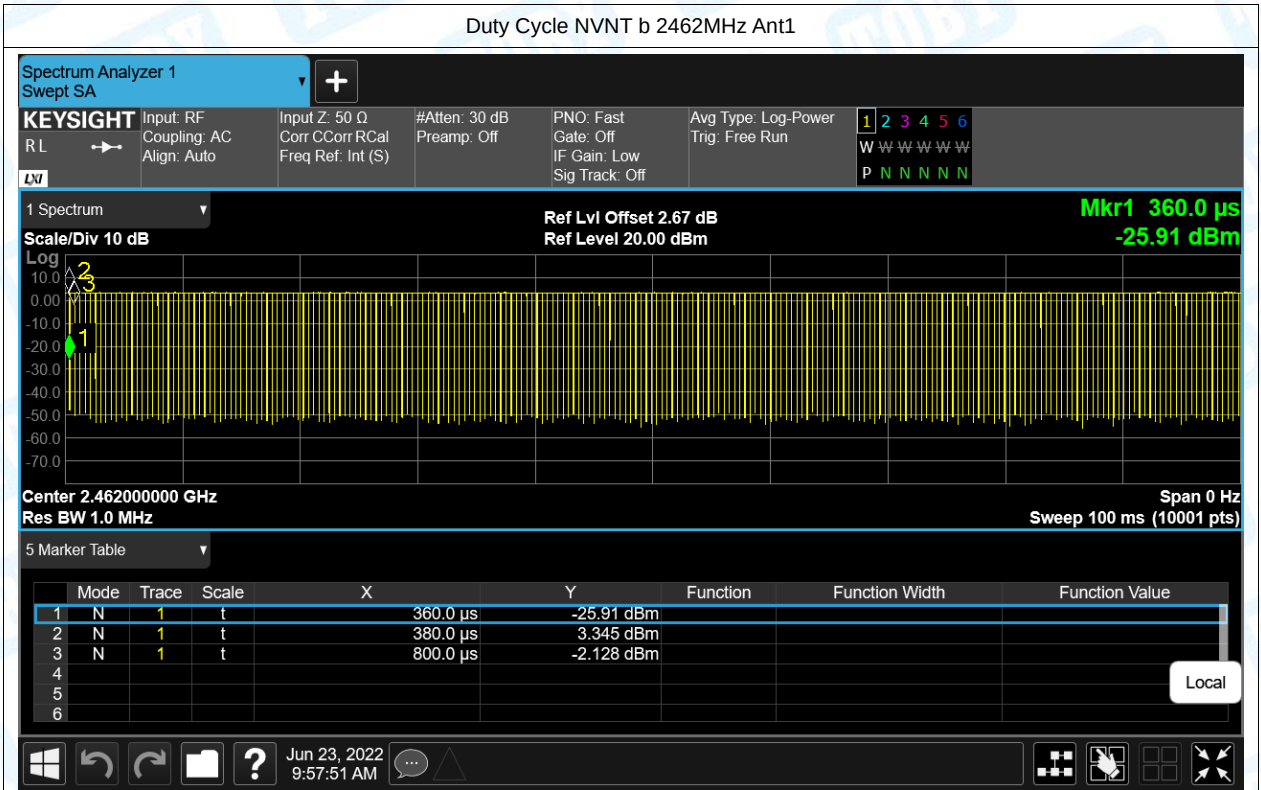
(Conducted Measurements)

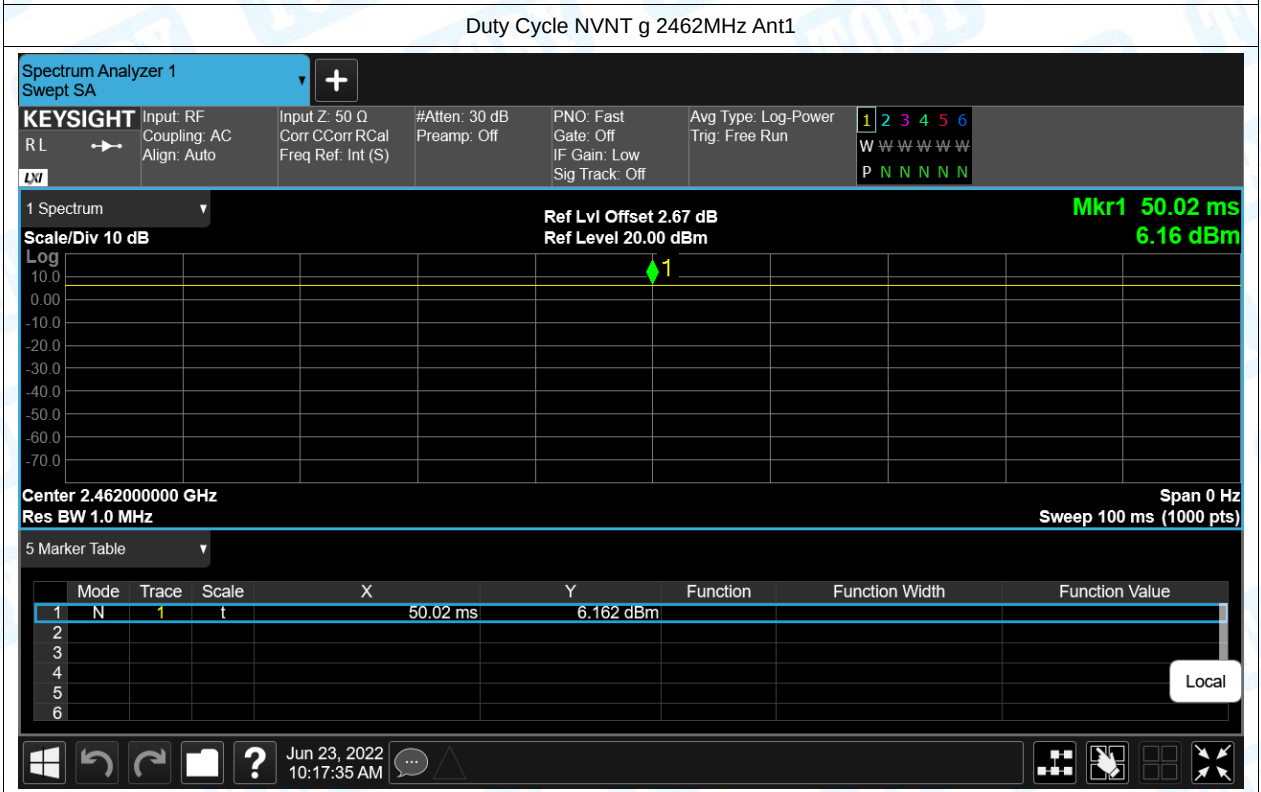
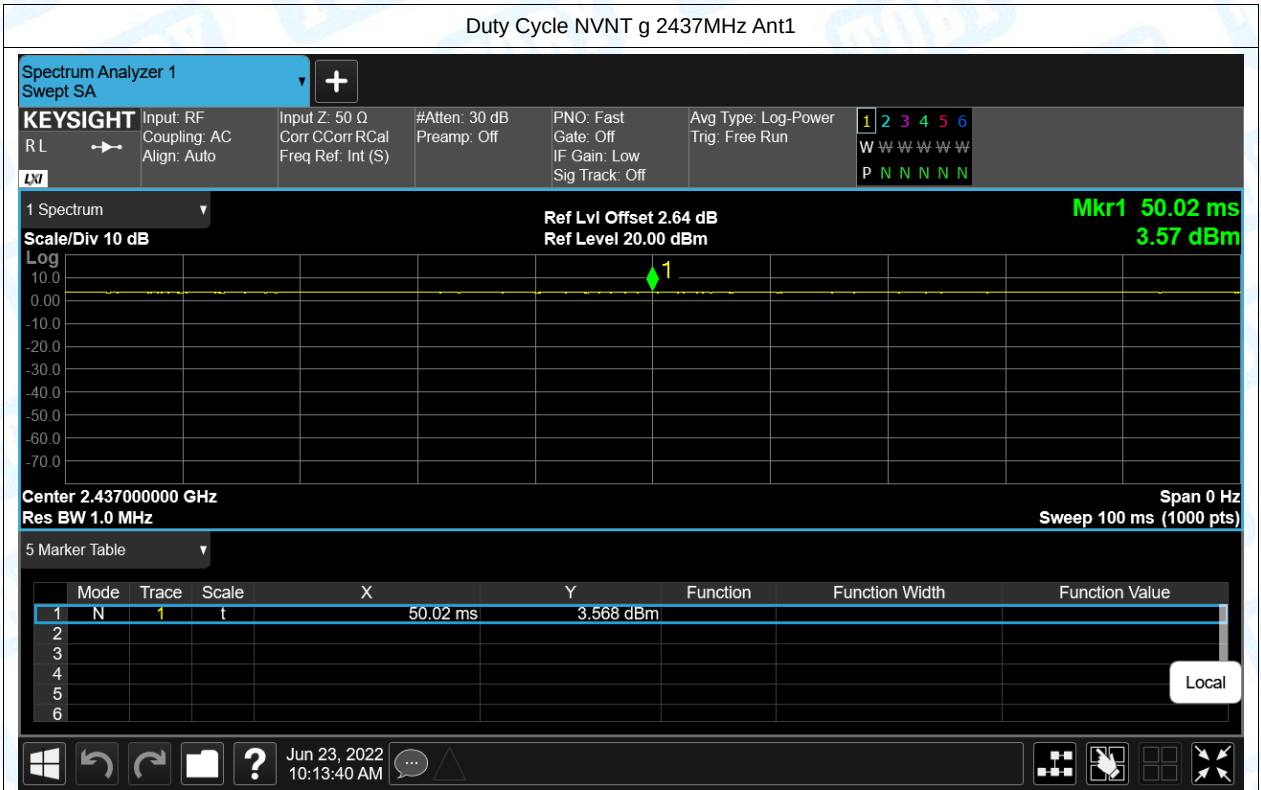
General Description of EUT	
Product Name:	WiFi AI Camera
Test Model:	XM-PT825-80W
Sample ID:	202206-0216-2-2#
Environmental Conditions	
Temperature:	24℃
Relative Humidity:	50%
Test Voltage:	DC 12V
Test Engineer:	Huangjianping
Note: For a more detailed features description, please refer to the report TBR-C-202206-0216-3.	

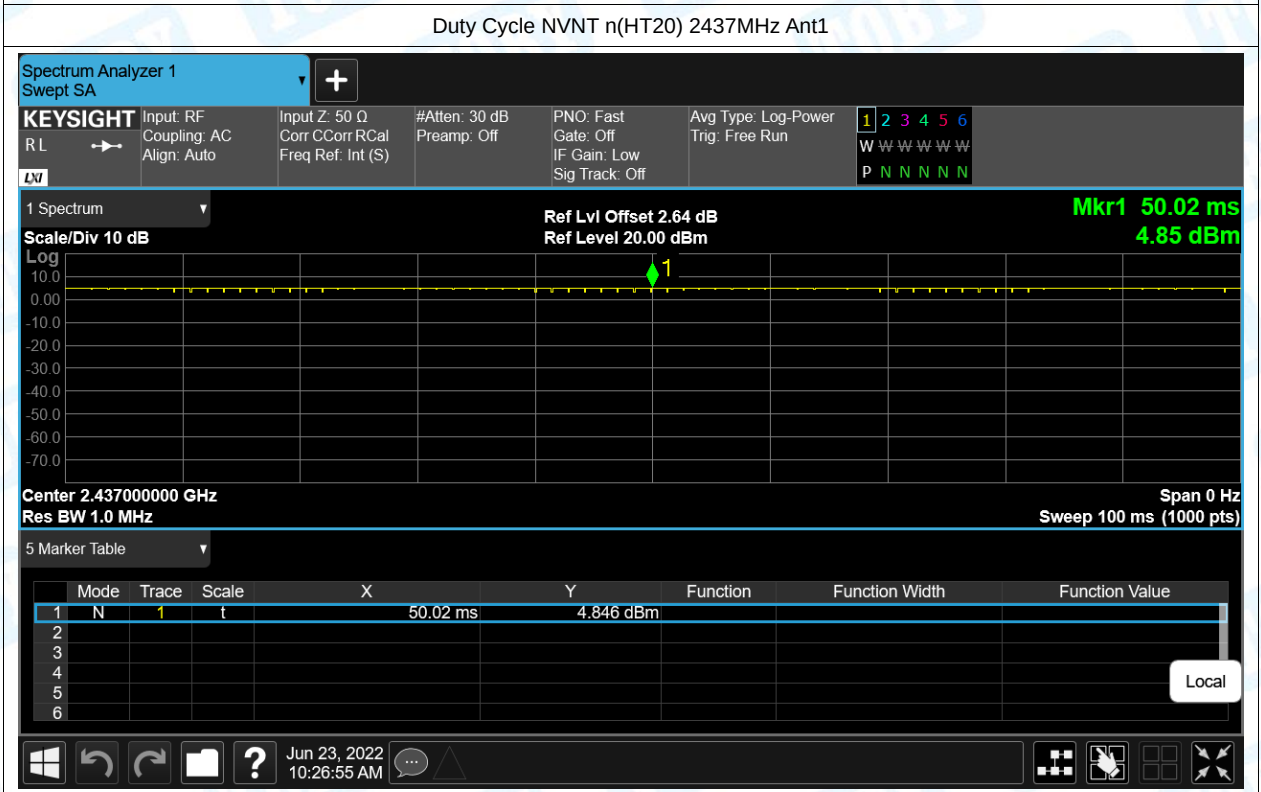
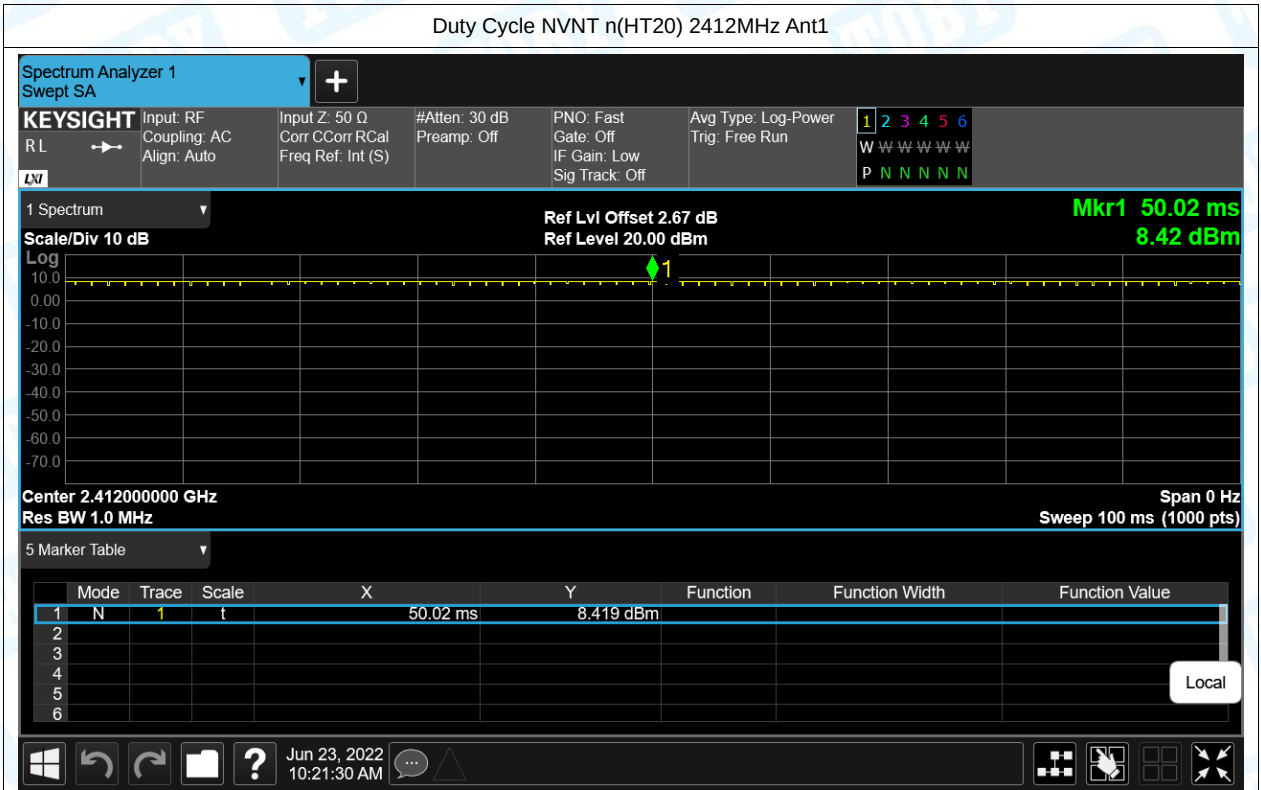
Duty Cycle

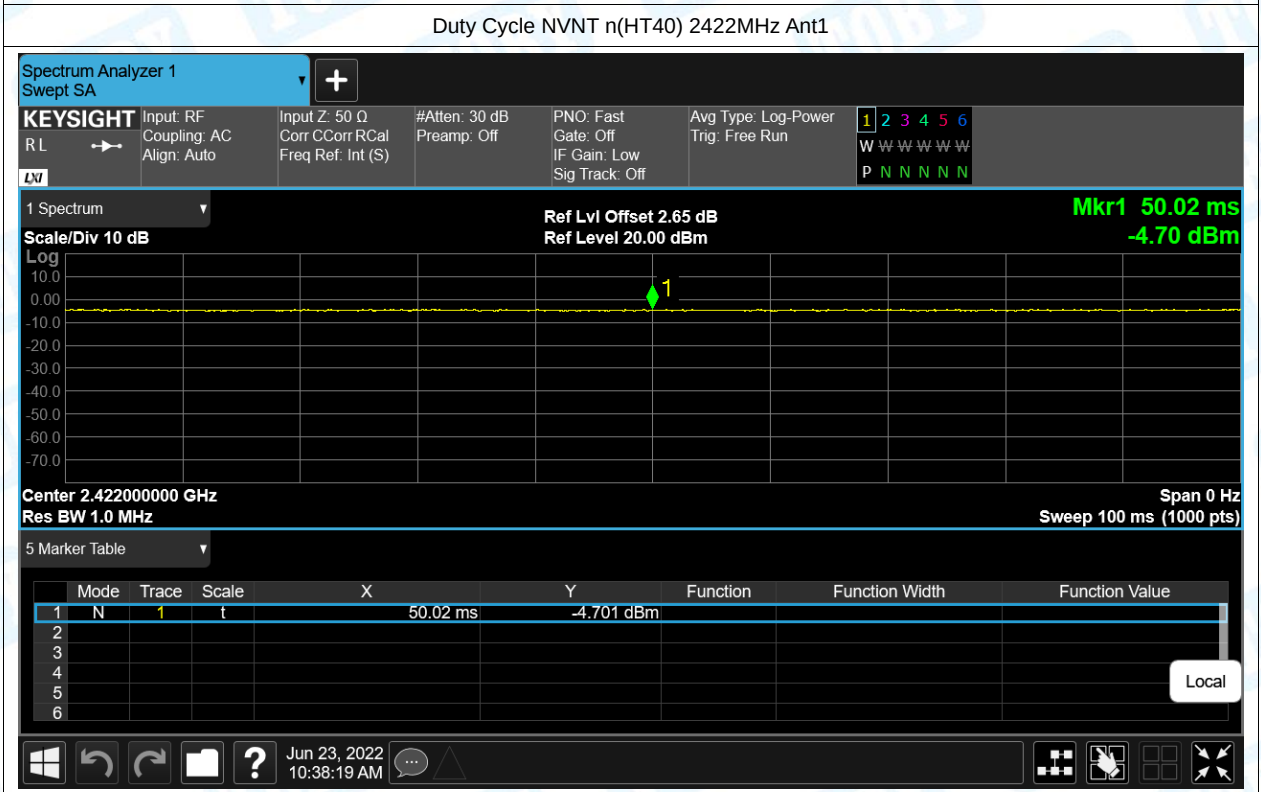
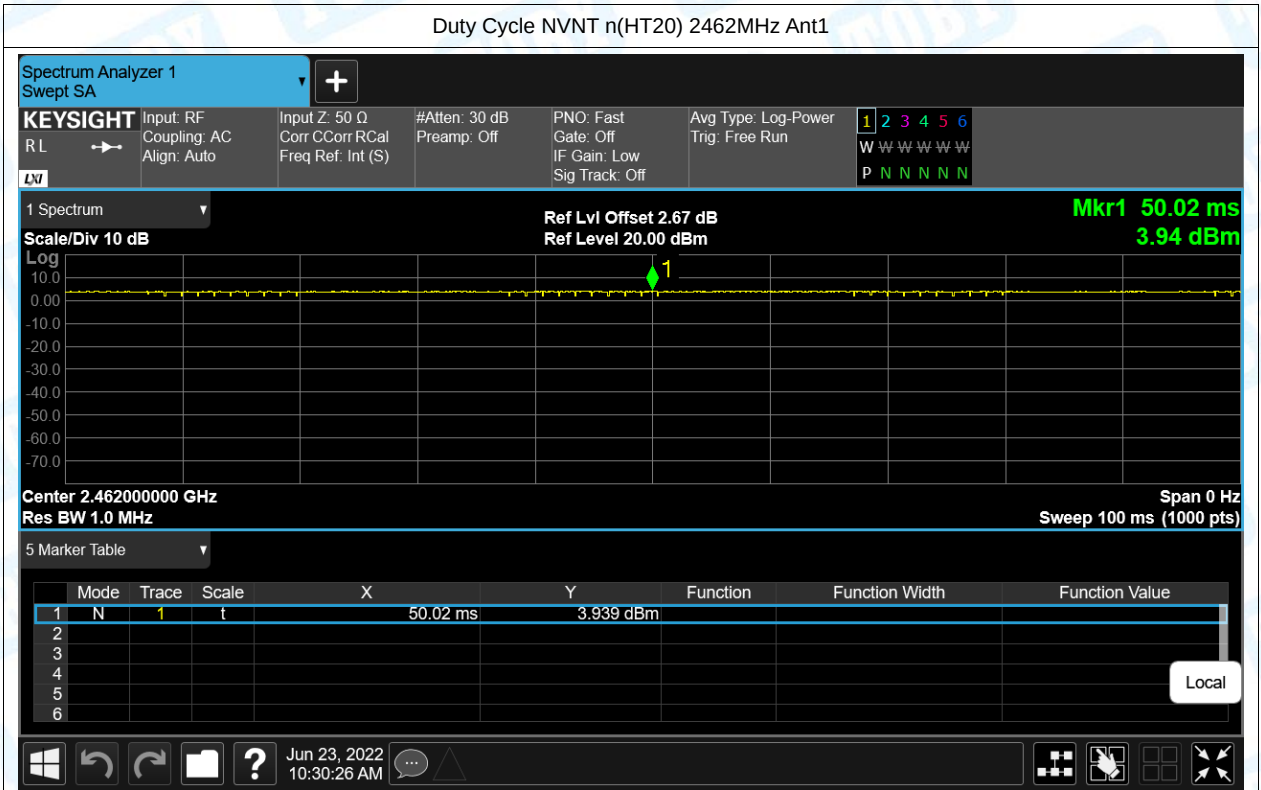
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	96.93	0.14	2.38
NVNT	b	2437	Ant1	96.89	0.14	2.38
NVNT	b	2462	Ant1	96.94	0.13	2.38
NVNT	g	2412	Ant1	100	0	0
NVNT	g	2437	Ant1	100	0	0
NVNT	g	2462	Ant1	100	0	0
NVNT	n(HT20)	2412	Ant1	100	0	0
NVNT	n(HT20)	2437	Ant1	100	0	0
NVNT	n(HT20)	2462	Ant1	100	0	0
NVNT	n(HT40)	2422	Ant1	100	0	0
NVNT	n(HT40)	2437	Ant1	100	0	0
NVNT	n(HT40)	2452	Ant1	100	0	0

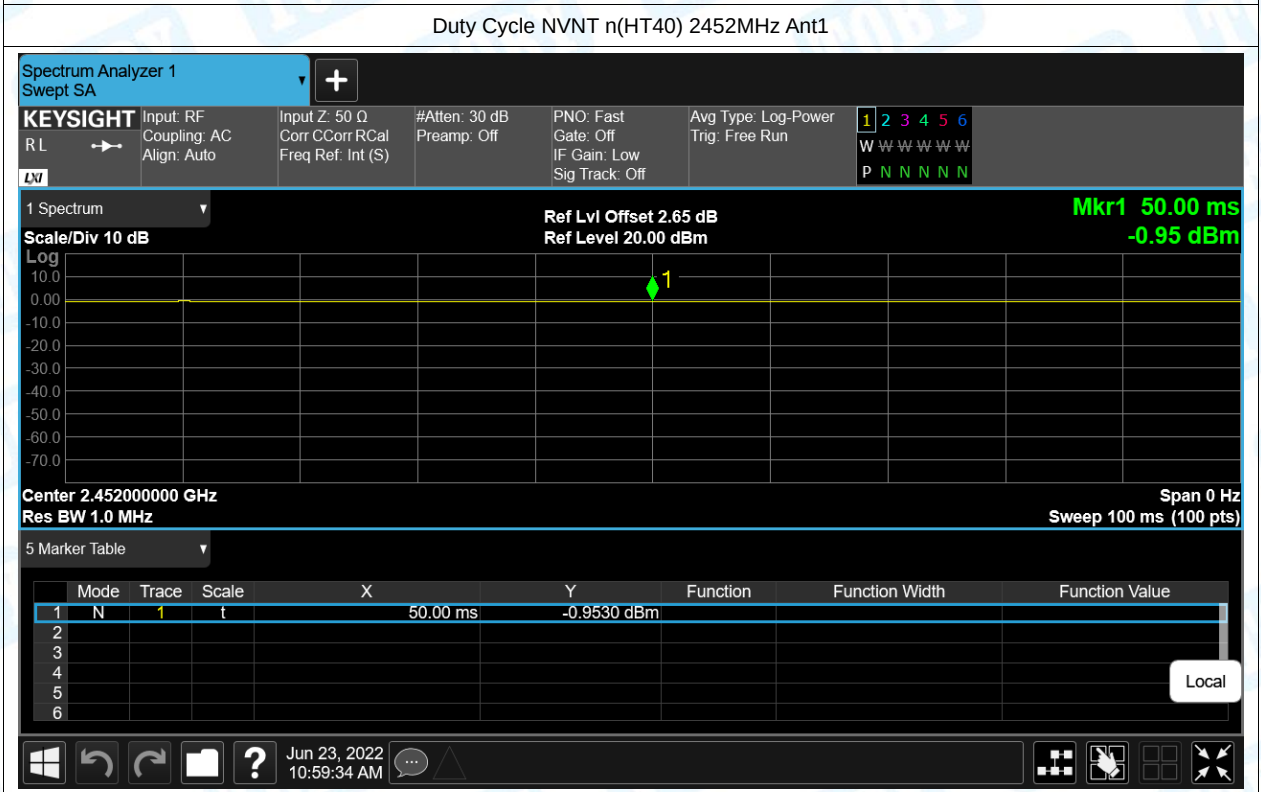
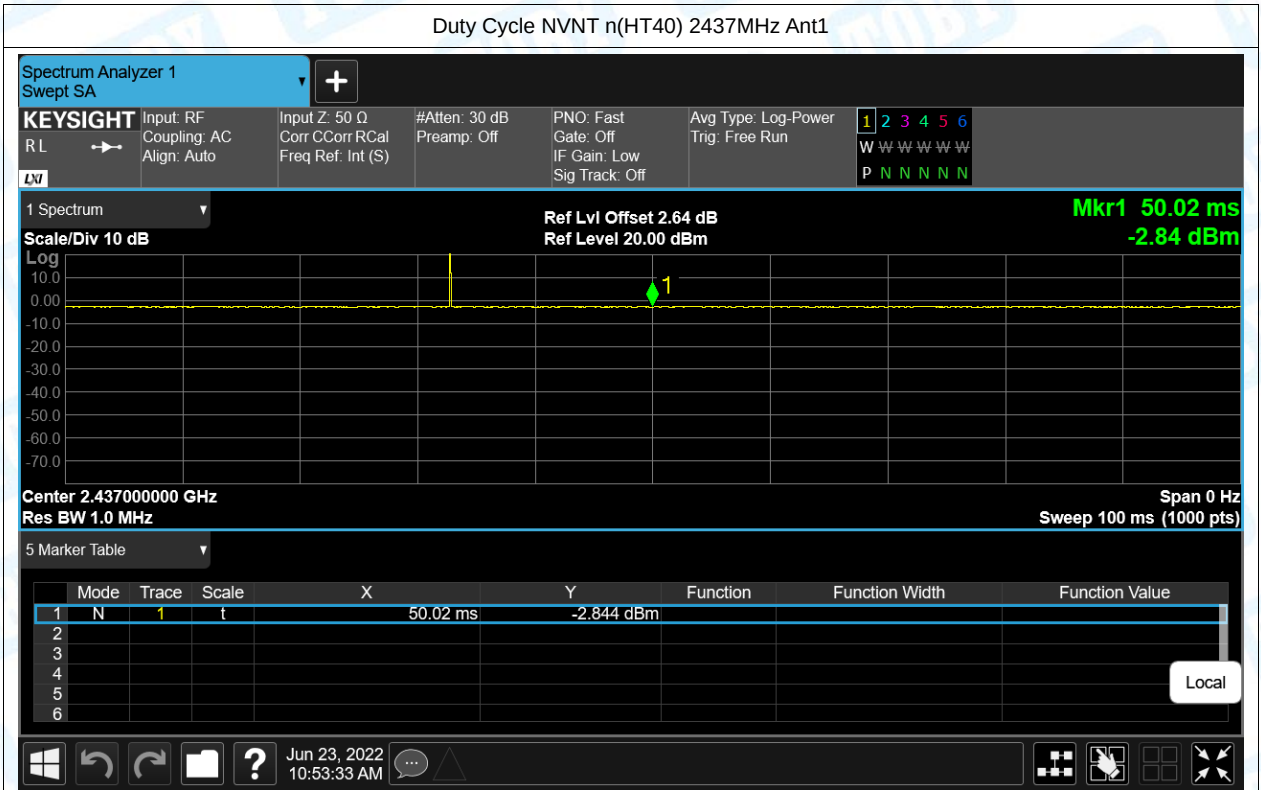












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	16.378	30	Pass
NVNT	b	2437	Ant1	16.395	30	Pass
NVNT	b	2462	Ant1	15.52	30	Pass
NVNT	g	2412	Ant1	15.181	30	Pass
NVNT	g	2437	Ant1	16.608	30	Pass
NVNT	g	2462	Ant1	15.559	30	Pass
NVNT	n(HT20)	2412	Ant1	16.161	30	Pass
NVNT	n(HT20)	2437	Ant1	15.688	30	Pass
NVNT	n(HT20)	2462	Ant1	15.691	30	Pass
NVNT	n(HT40)	2422	Ant1	15.269	30	Pass
NVNT	n(HT40)	2437	Ant1	16.354	30	Pass
NVNT	n(HT40)	2452	Ant1	15.699	30	Pass

-6dB Bandwidth

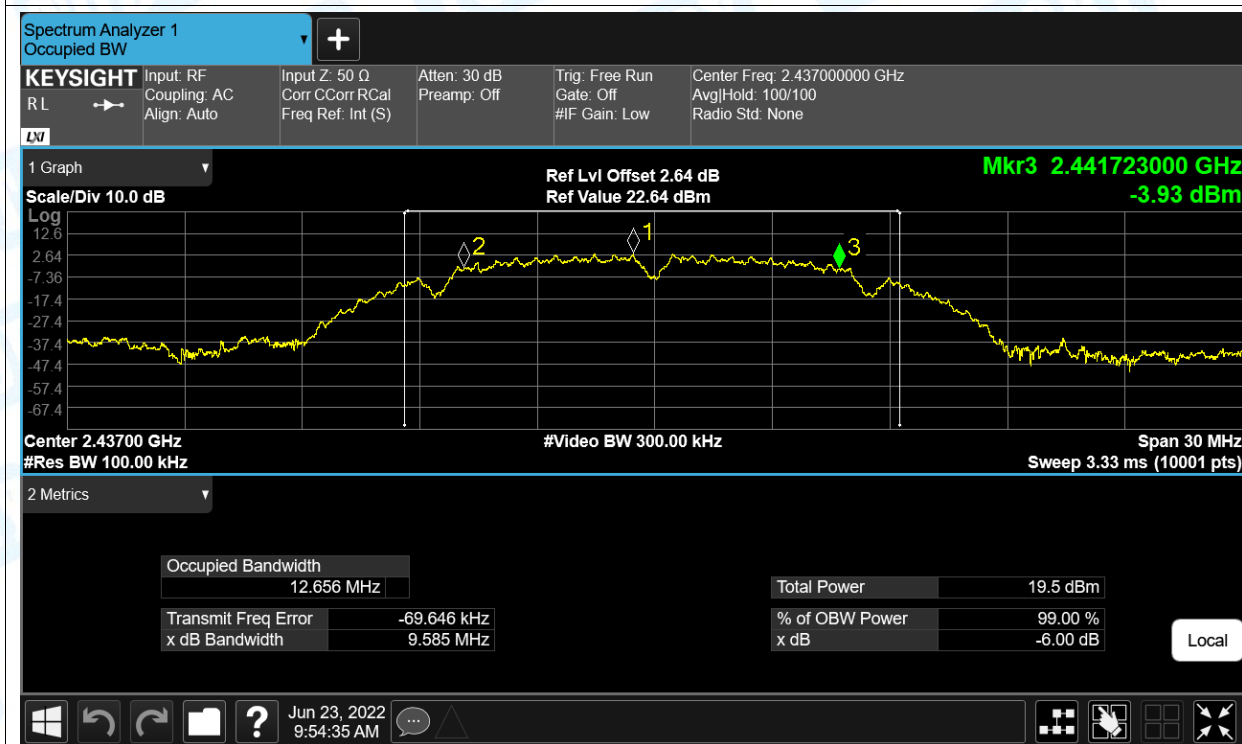
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	9.55	0.5	Pass
NVNT	b	2437	Ant1	9.58	0.5	Pass
NVNT	b	2462	Ant1	9.55	0.5	Pass
NVNT	g	2412	Ant1	16.07	0.5	Pass
NVNT	g	2437	Ant1	16.08	0.5	Pass
NVNT	g	2462	Ant1	16.08	0.5	Pass
NVNT	n(HT20)	2412	Ant1	16.07	0.5	Pass
NVNT	n(HT20)	2437	Ant1	16.11	0.5	Pass
NVNT	n(HT20)	2462	Ant1	16.1	0.5	Pass
NVNT	n(HT40)	2422	Ant1	35.15	0.5	Pass
NVNT	n(HT40)	2437	Ant1	35.15	0.5	Pass
NVNT	n(HT40)	2452	Ant1	35.15	0.5	Pass

Test Graphs

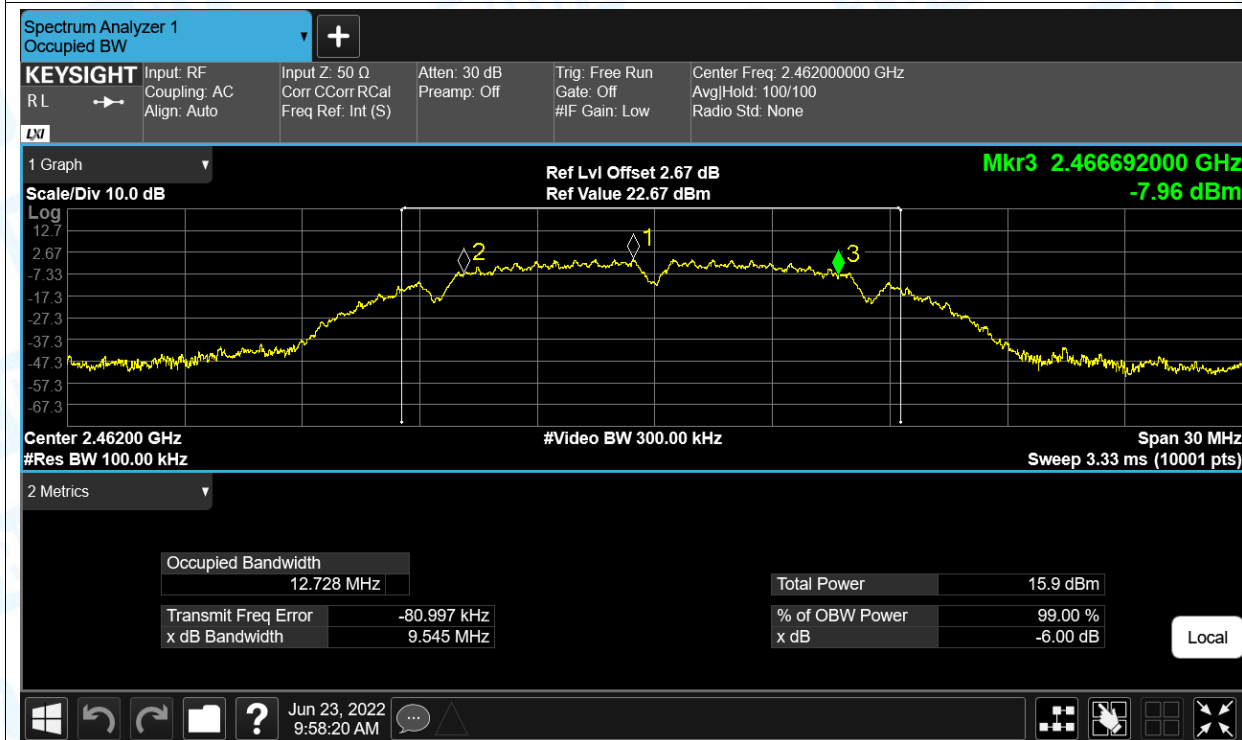
-6dB Bandwidth NVNT b 2412MHz Ant1



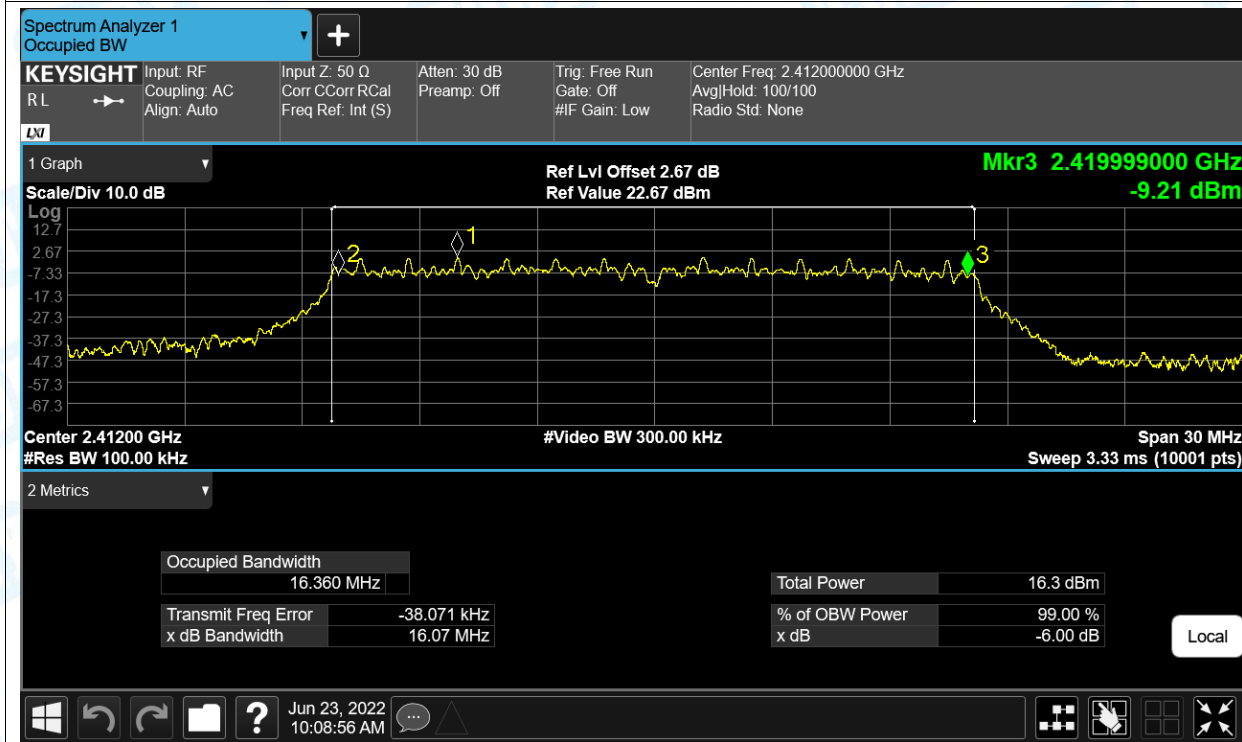
-6dB Bandwidth NVNT b 2437MHz Ant1



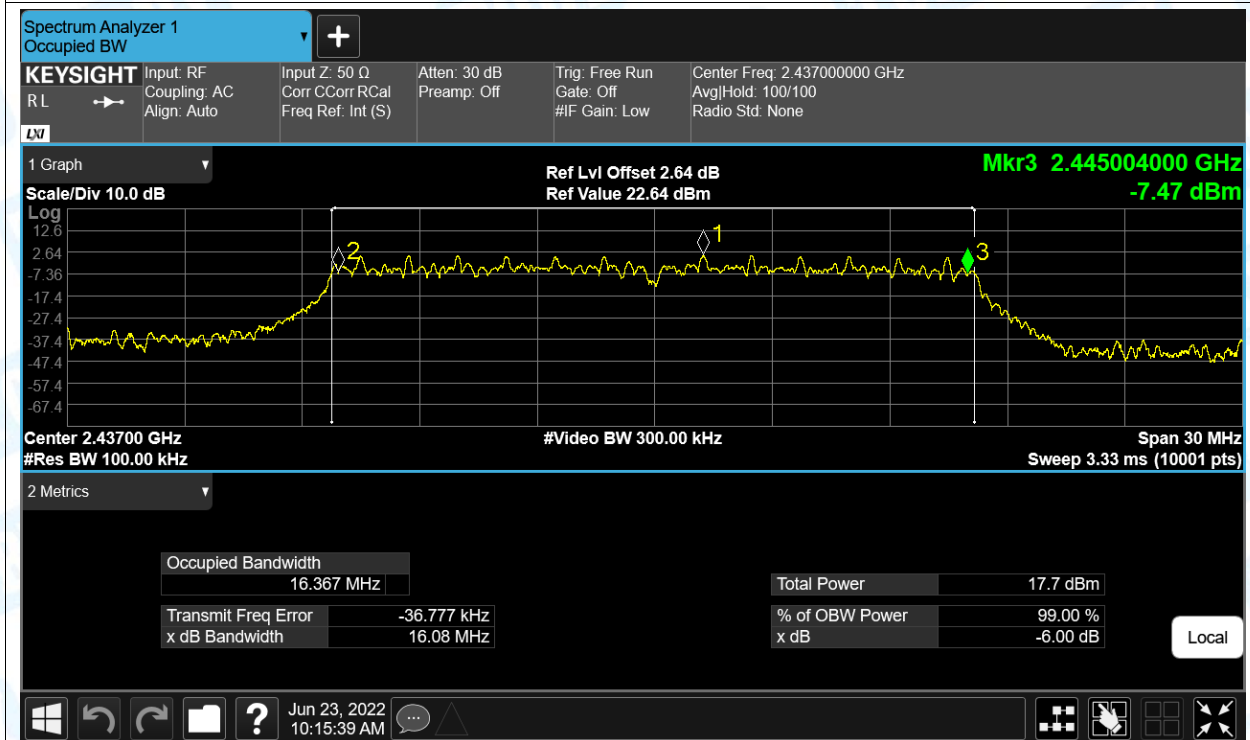
-6dB Bandwidth NVNT b 2462MHz Ant1



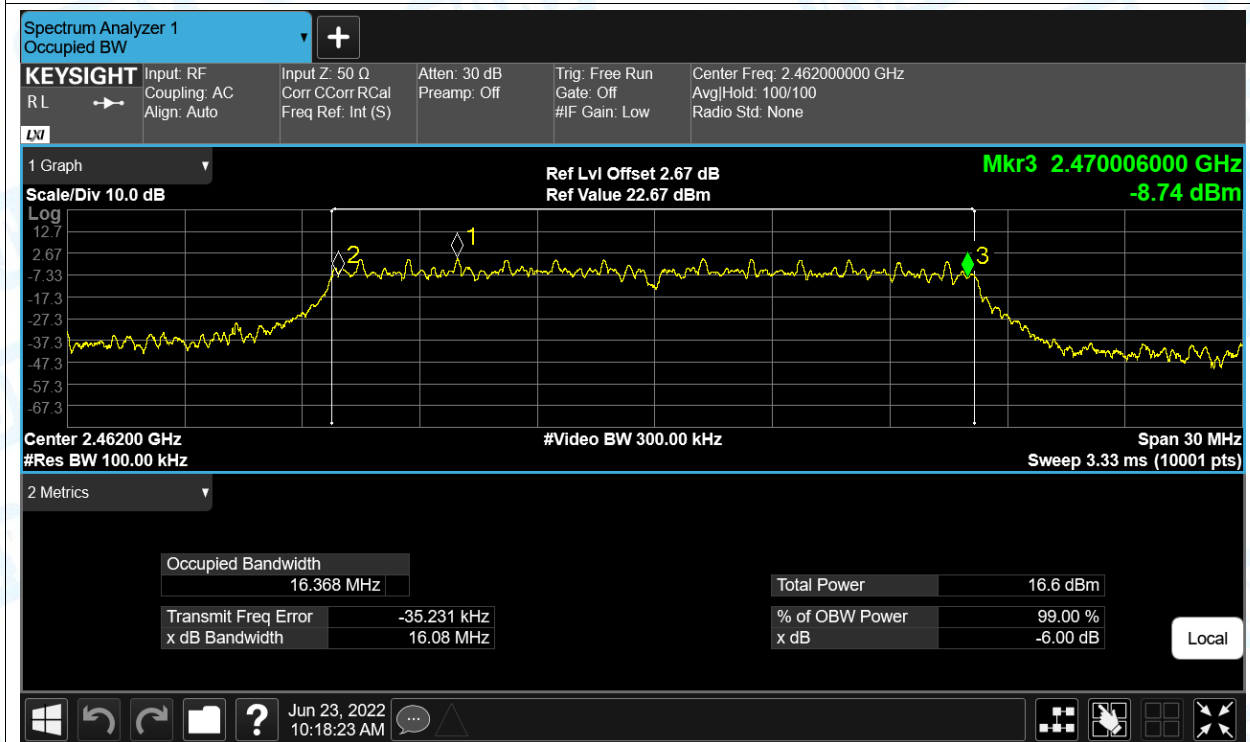
-6dB Bandwidth NVNT g 2412MHz Ant1



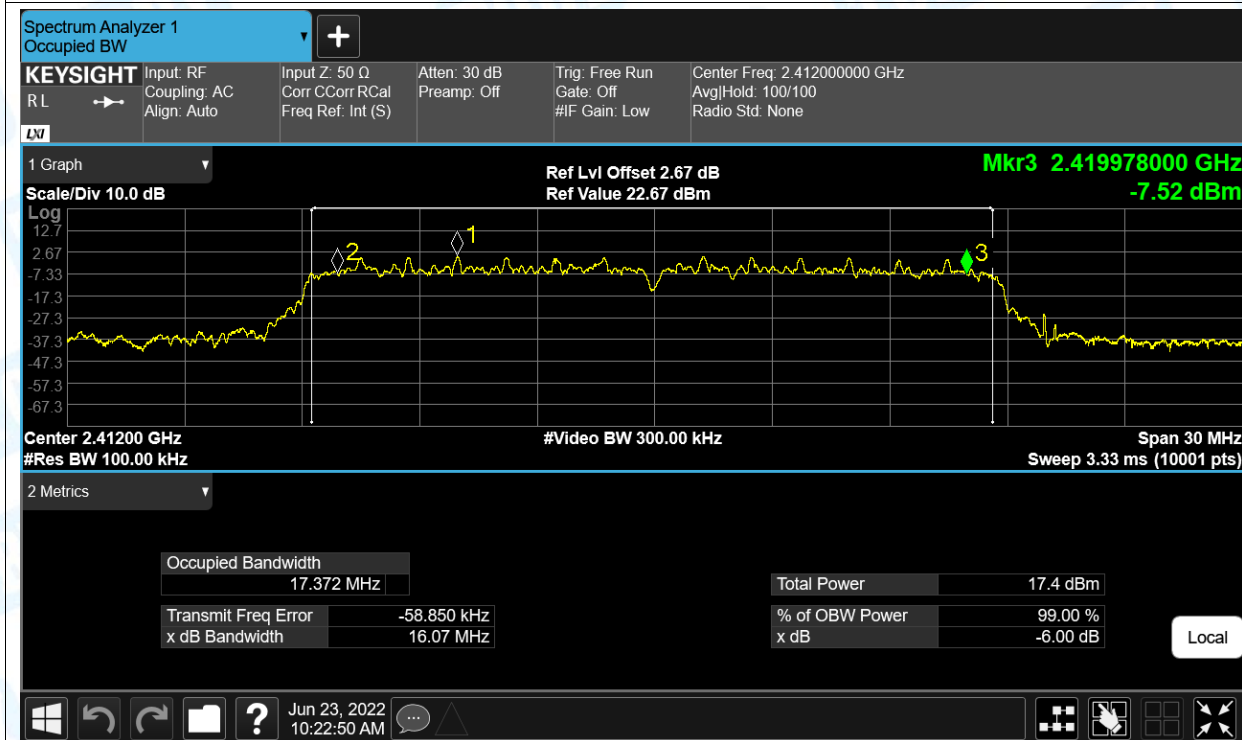
-6dB Bandwidth NVNT g 2437MHz Ant1



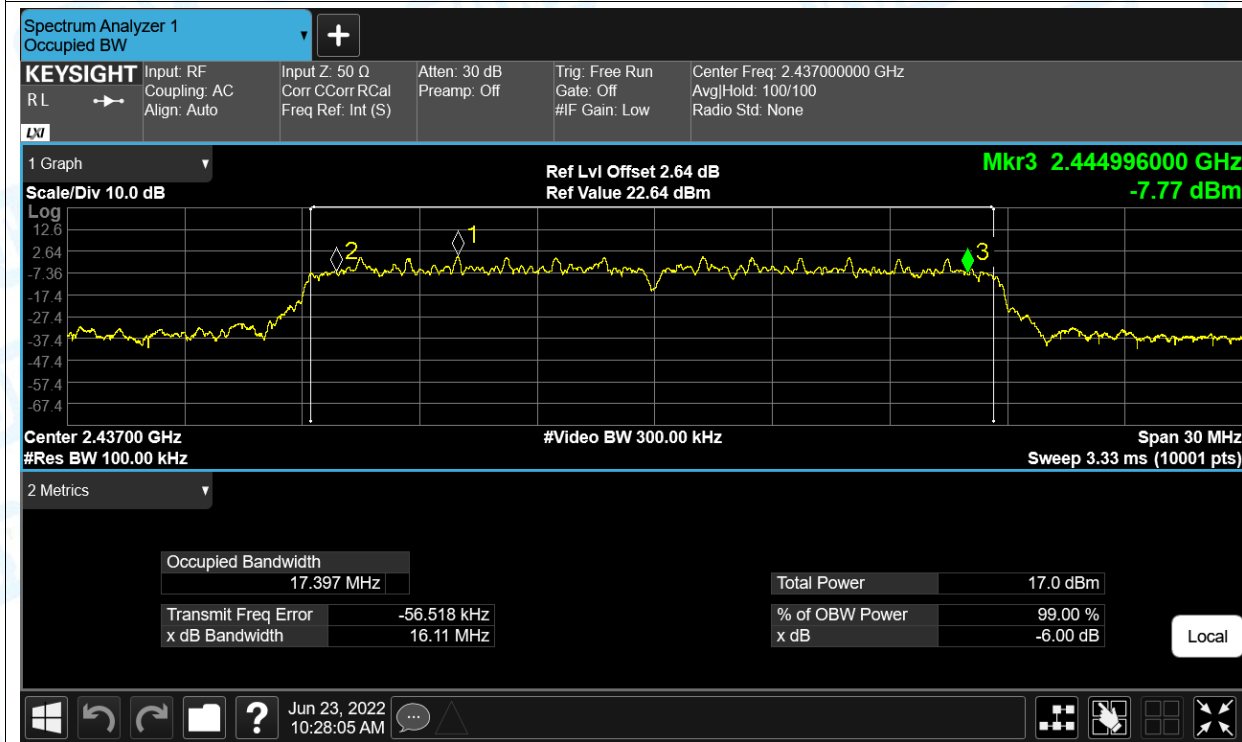
-6dB Bandwidth NVNT g 2462MHz Ant1



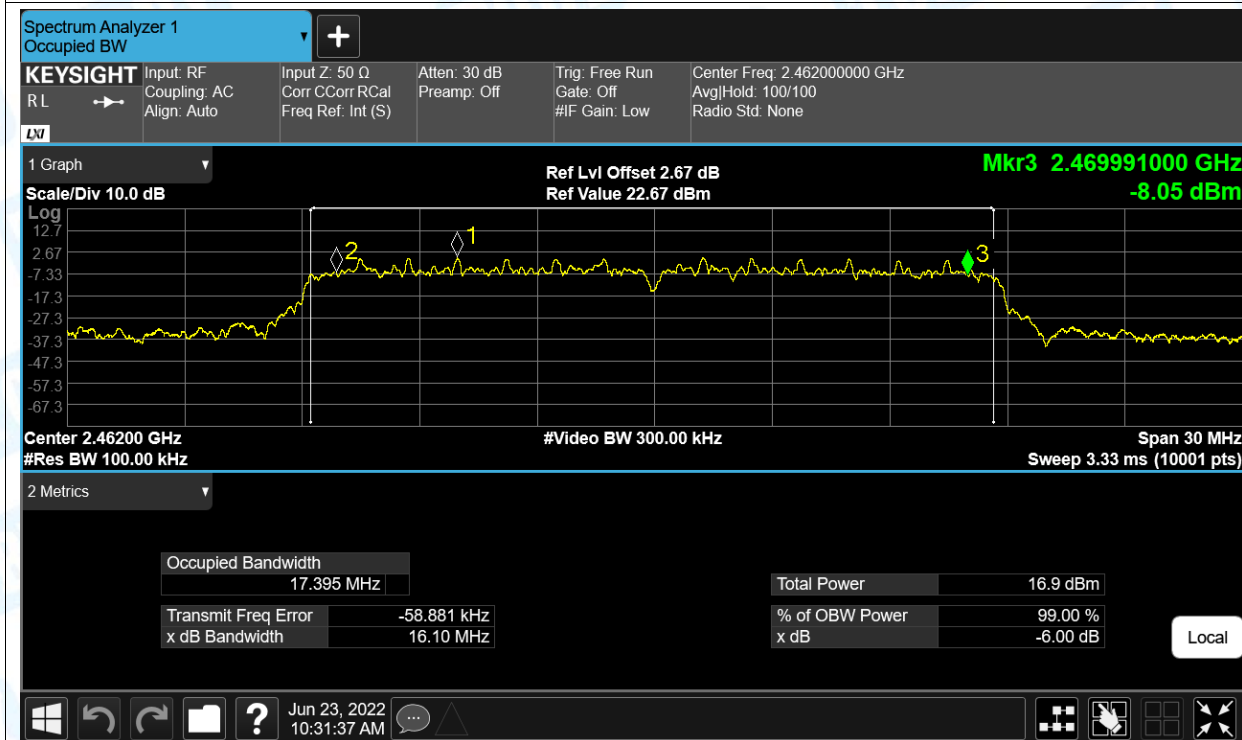
-6dB Bandwidth NVNT n(HT20) 2412MHz Ant1



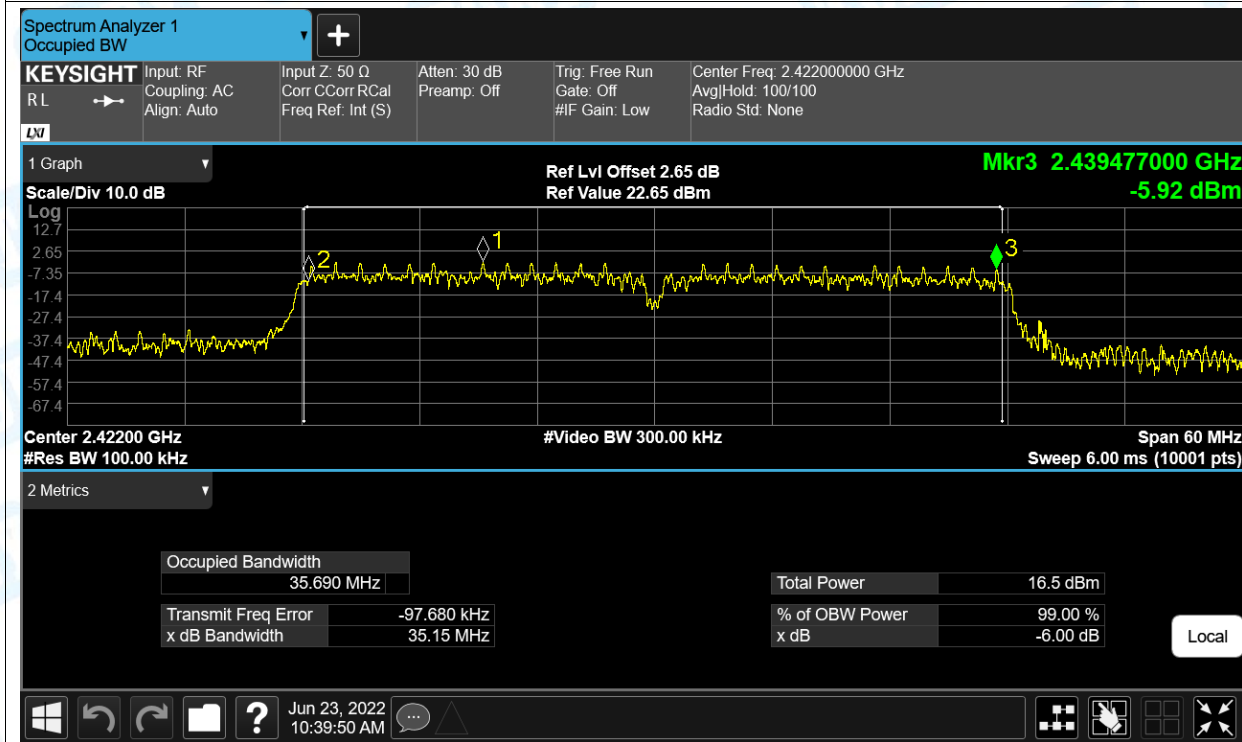
-6dB Bandwidth NVNT n(HT20) 2437MHz Ant1



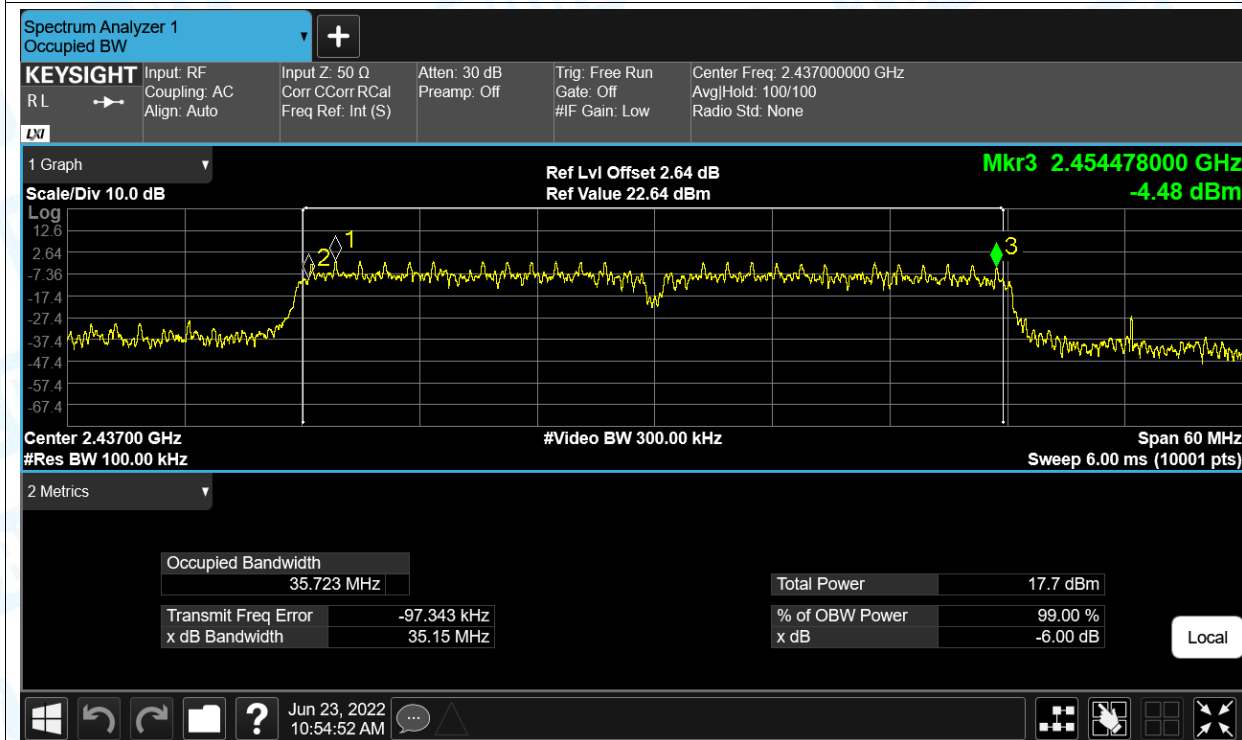
-6dB Bandwidth NVNT n(HT20) 2462MHz Ant1



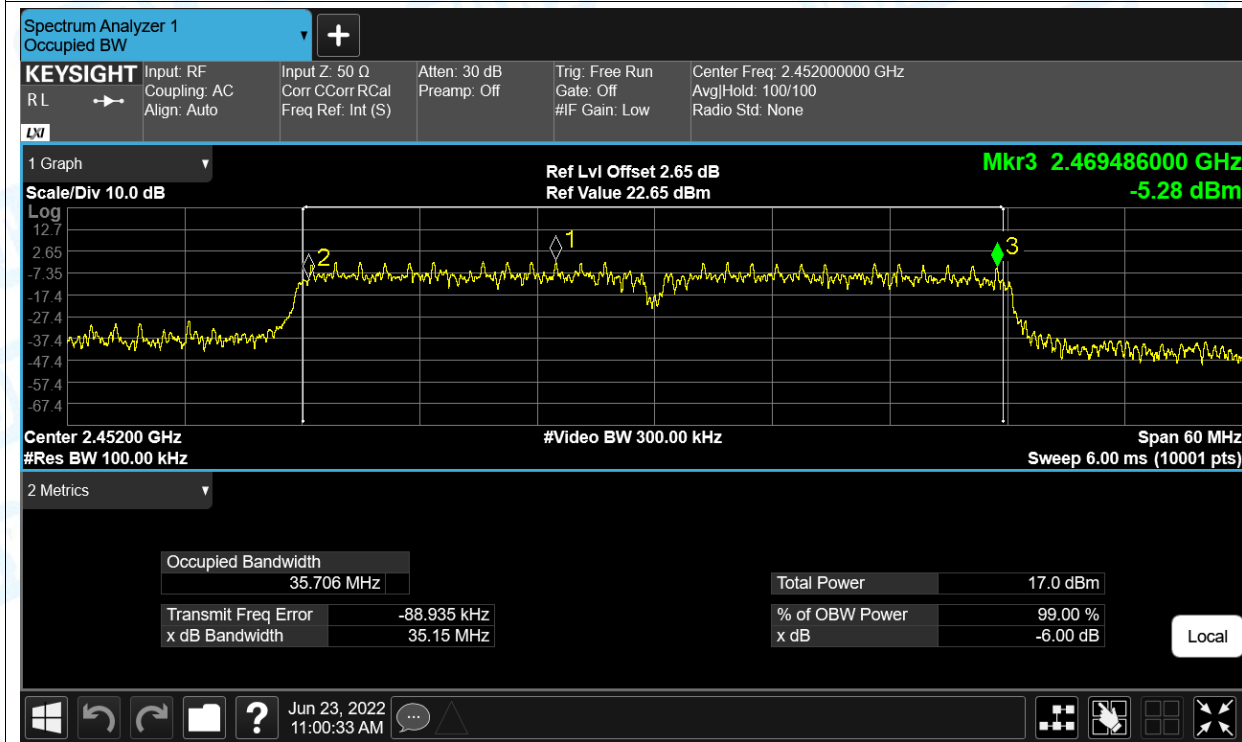
-6dB Bandwidth NVNT n(HT40) 2422MHz Ant1



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



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

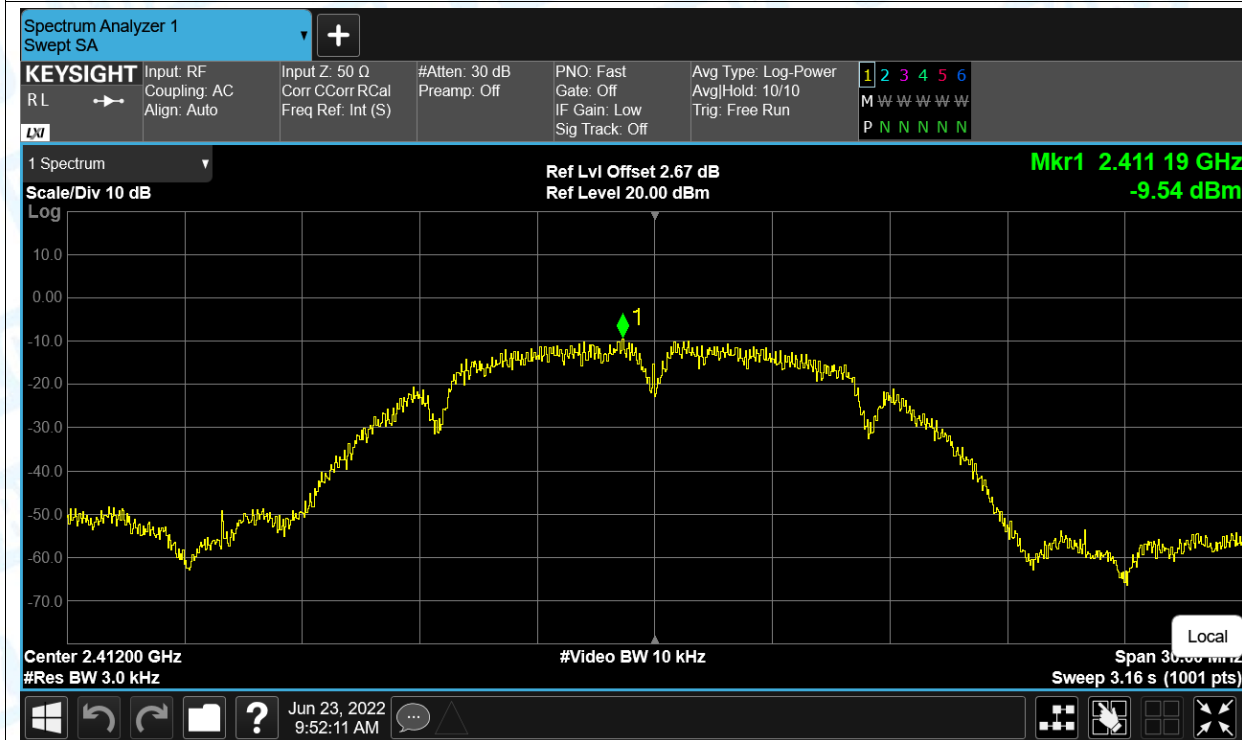


Maximum Power Spectral Density Level

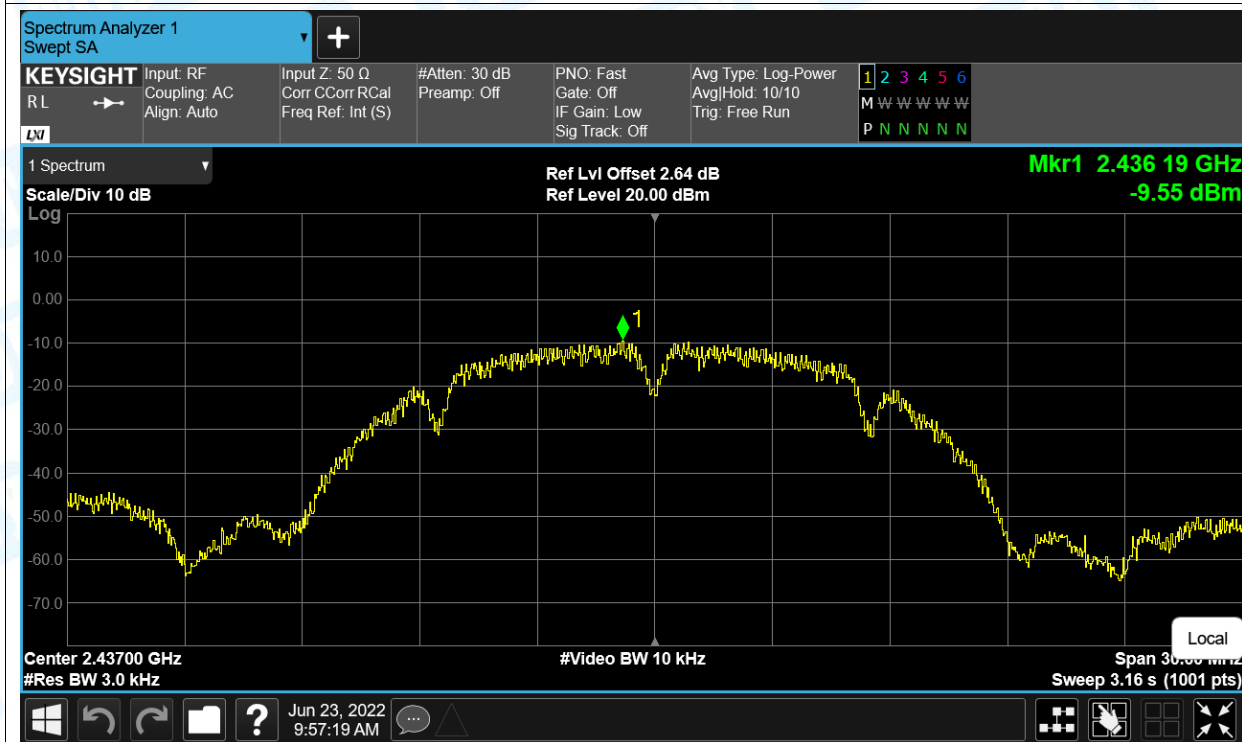
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-9.537	8	Pass
NVNT	b	2437	Ant1	-9.554	8	Pass
NVNT	b	2462	Ant1	-10.827	8	Pass
NVNT	g	2412	Ant1	-12.332	8	Pass
NVNT	g	2437	Ant1	-11.654	8	Pass
NVNT	g	2462	Ant1	-12.385	8	Pass
NVNT	n(HT20)	2412	Ant1	-11.629	8	Pass
NVNT	n(HT20)	2437	Ant1	-12.399	8	Pass
NVNT	n(HT20)	2462	Ant1	-12.241	8	Pass
NVNT	n(HT40)	2422	Ant1	-13.33	8	Pass
NVNT	n(HT40)	2437	Ant1	-12.333	8	Pass
NVNT	n(HT40)	2452	Ant1	-13.269	8	Pass

Test Graphs

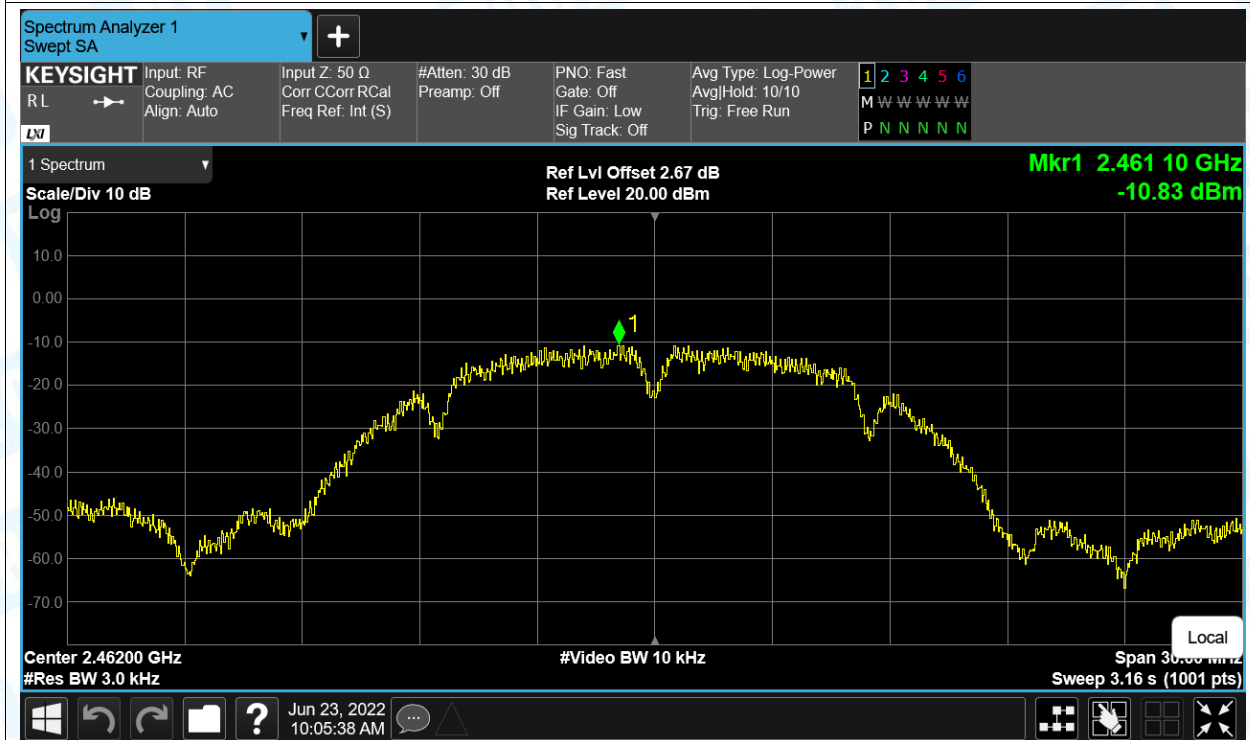
PSD NVNT b 2412MHz Ant1



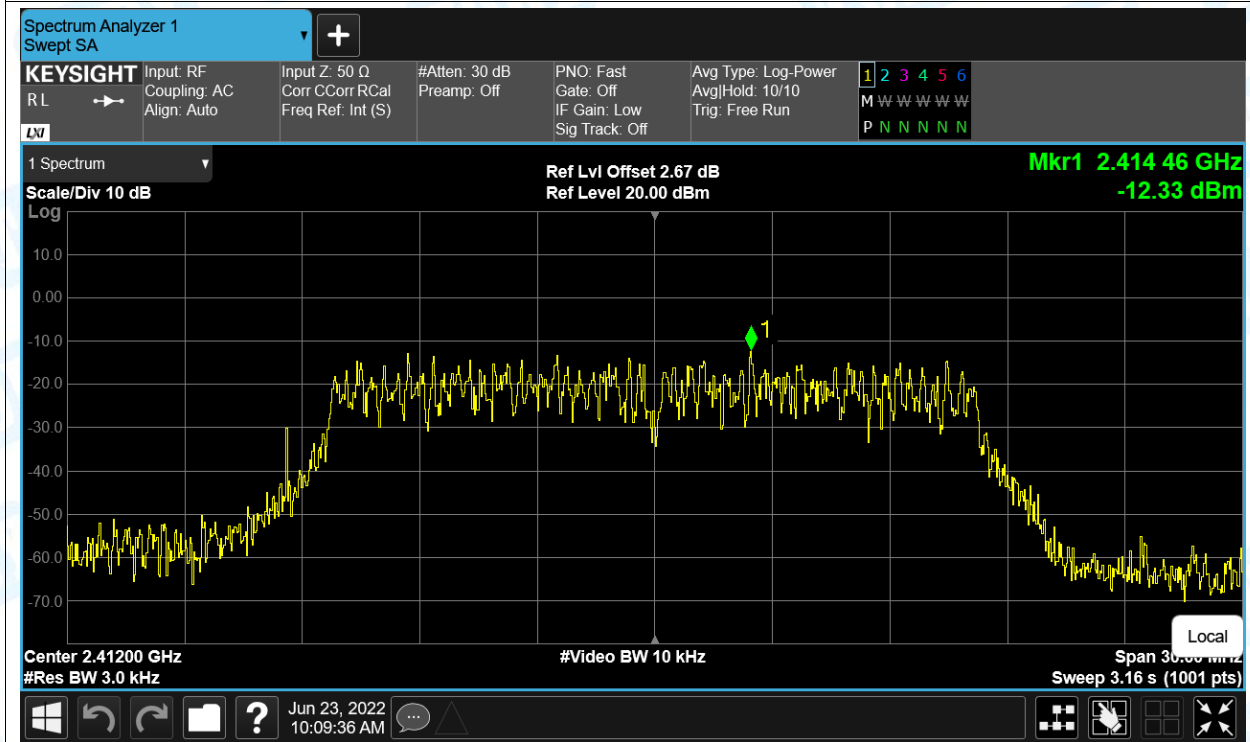
PSD NVNT b 2437MHz Ant1

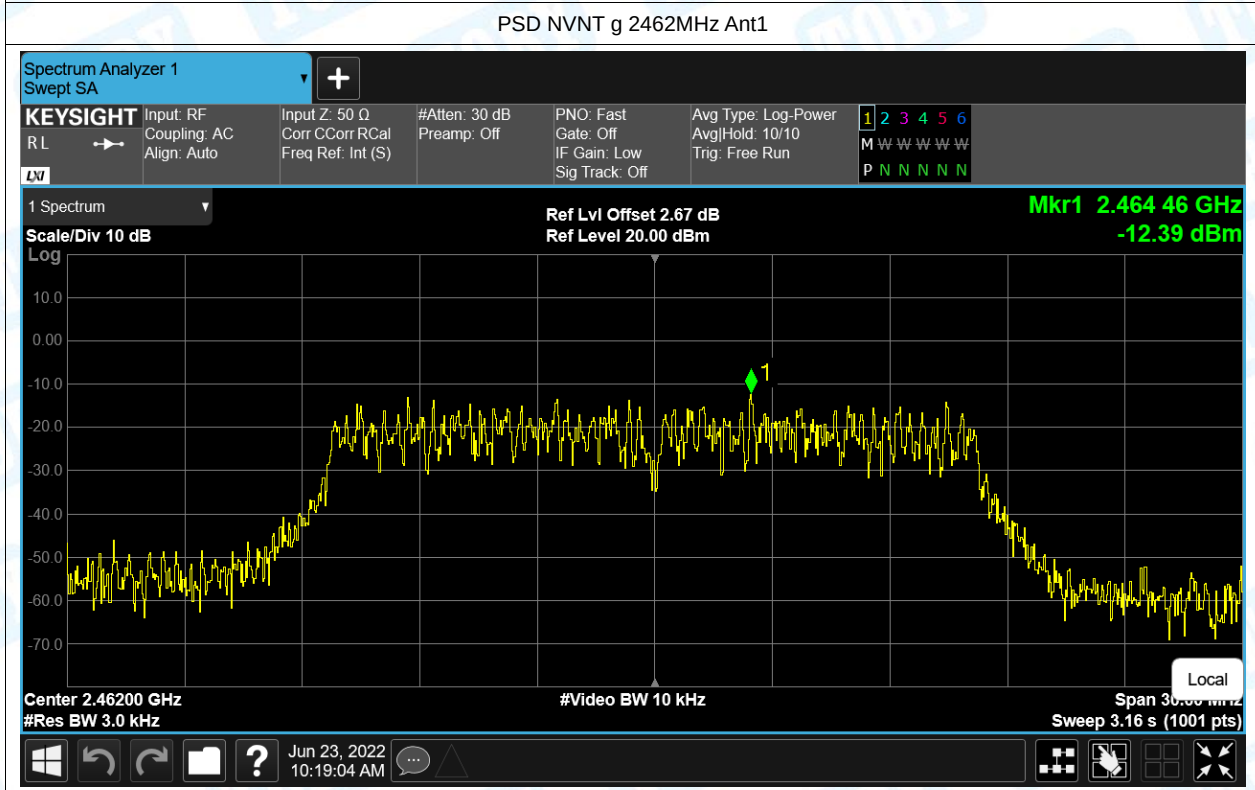
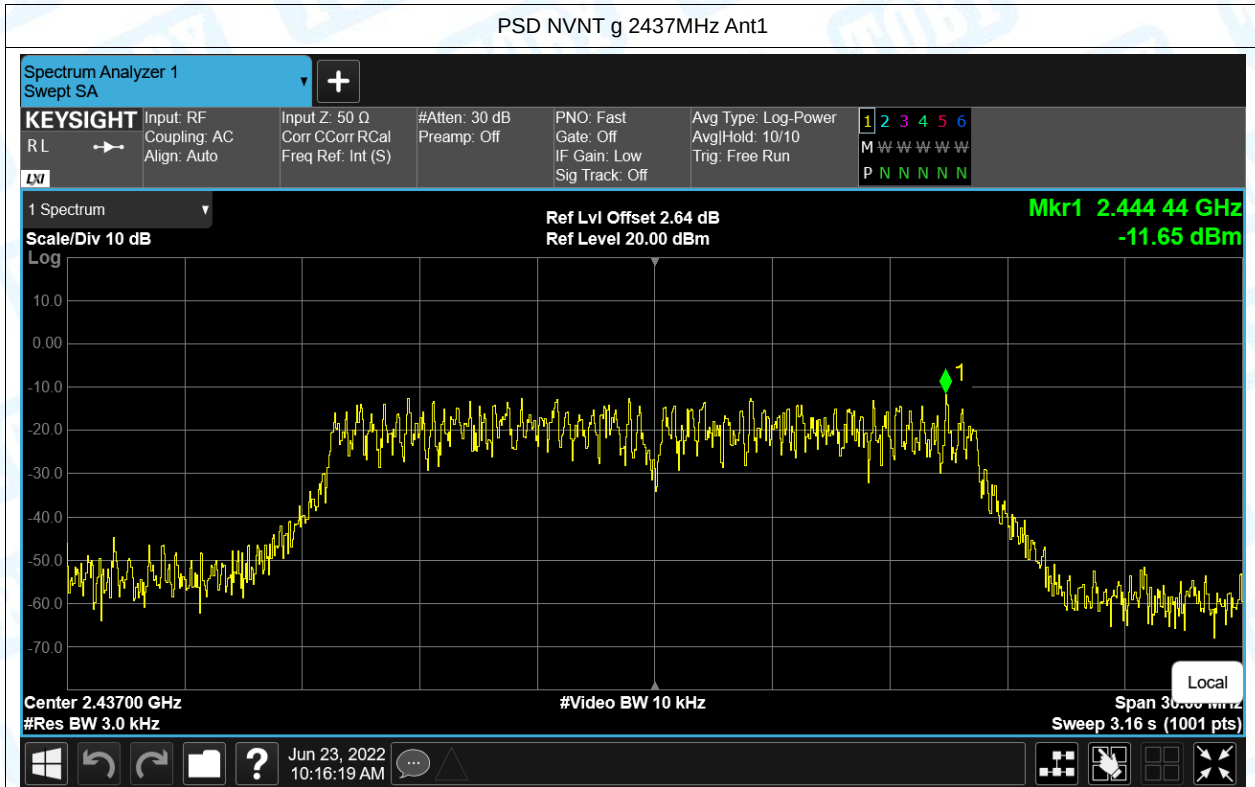


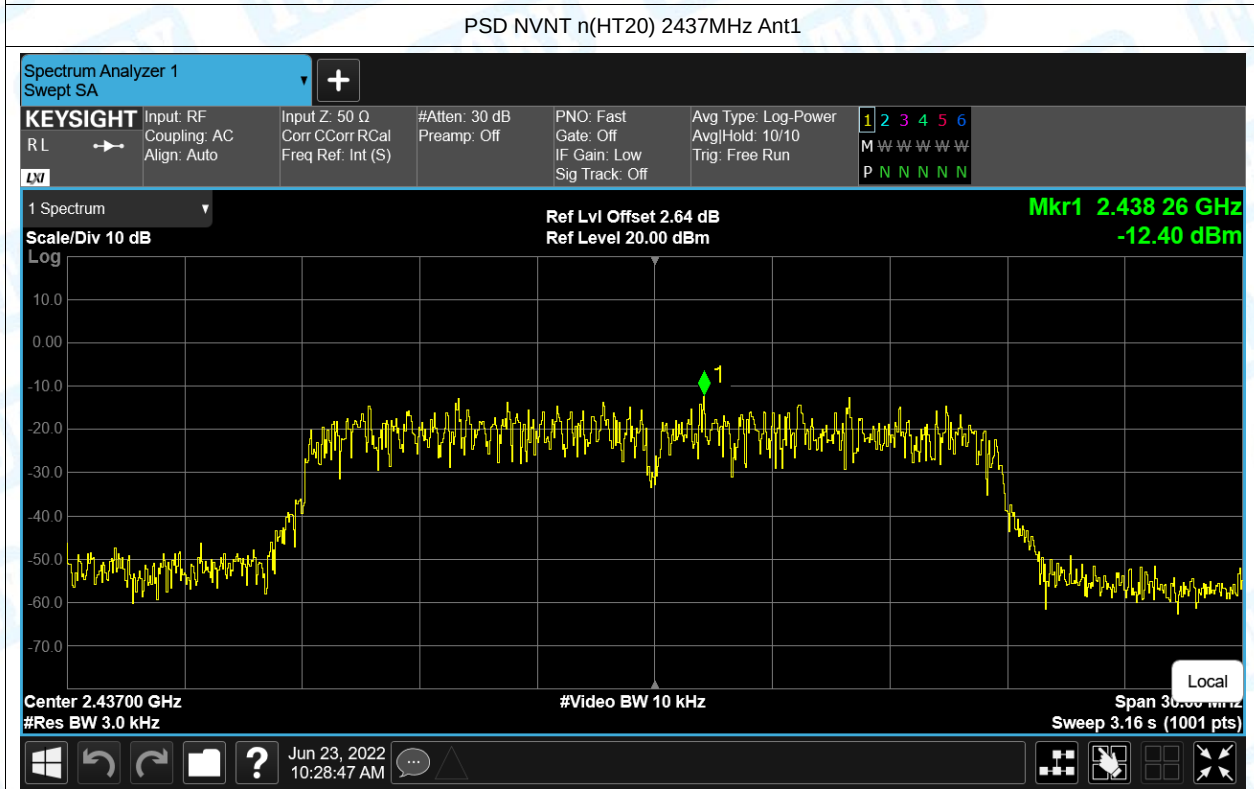
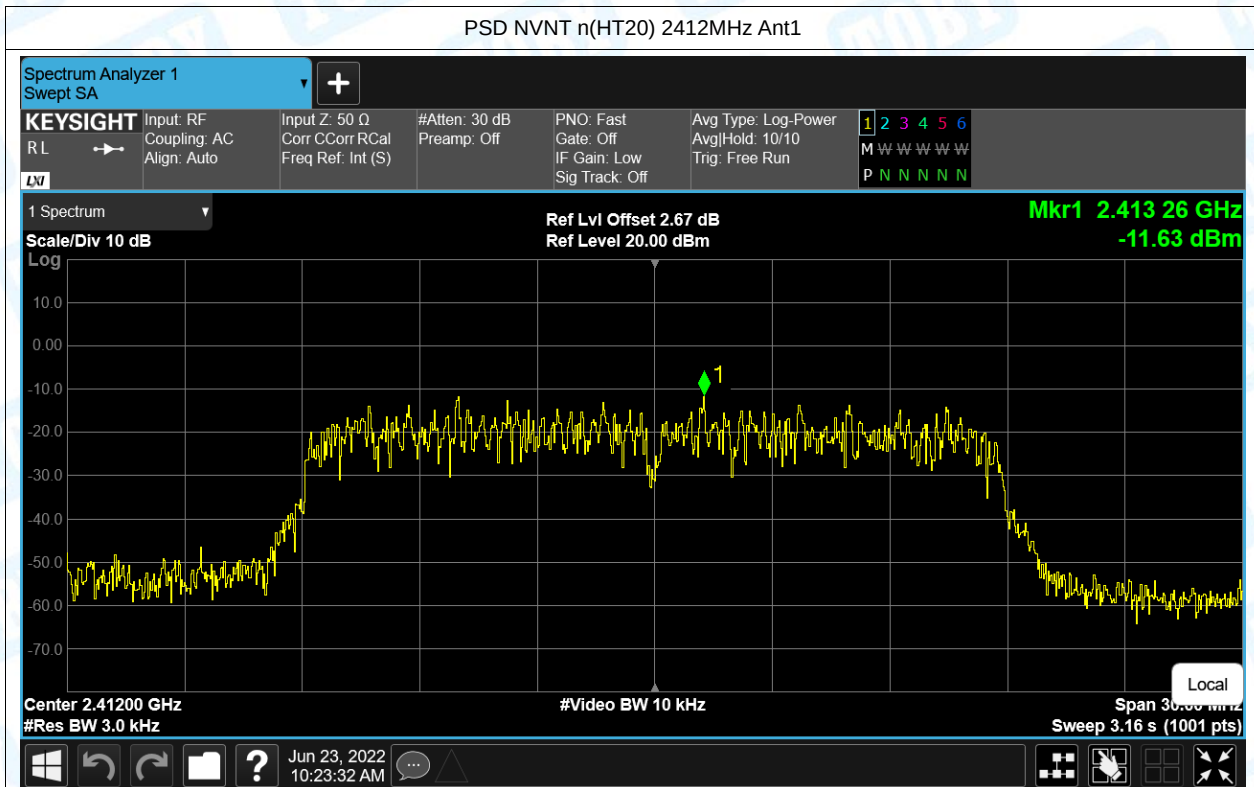
PSD NVNT b 2462MHz Ant1

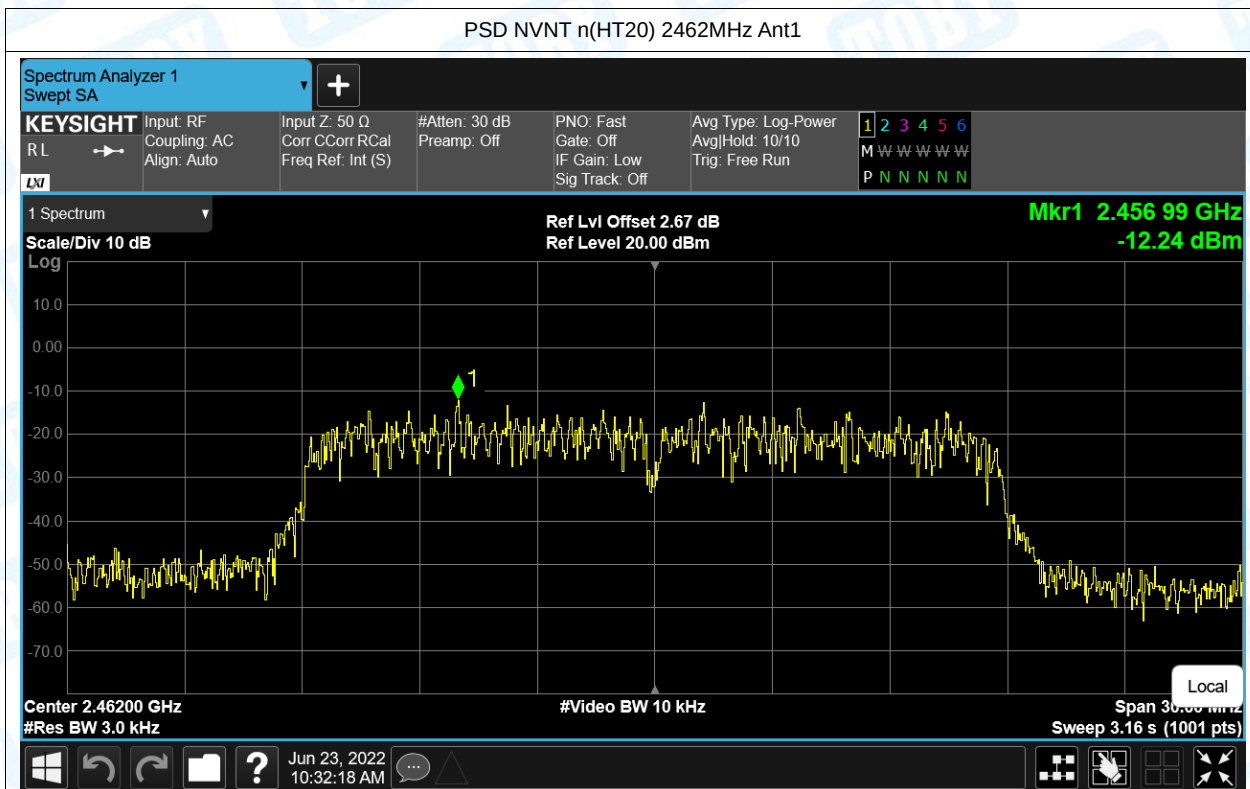


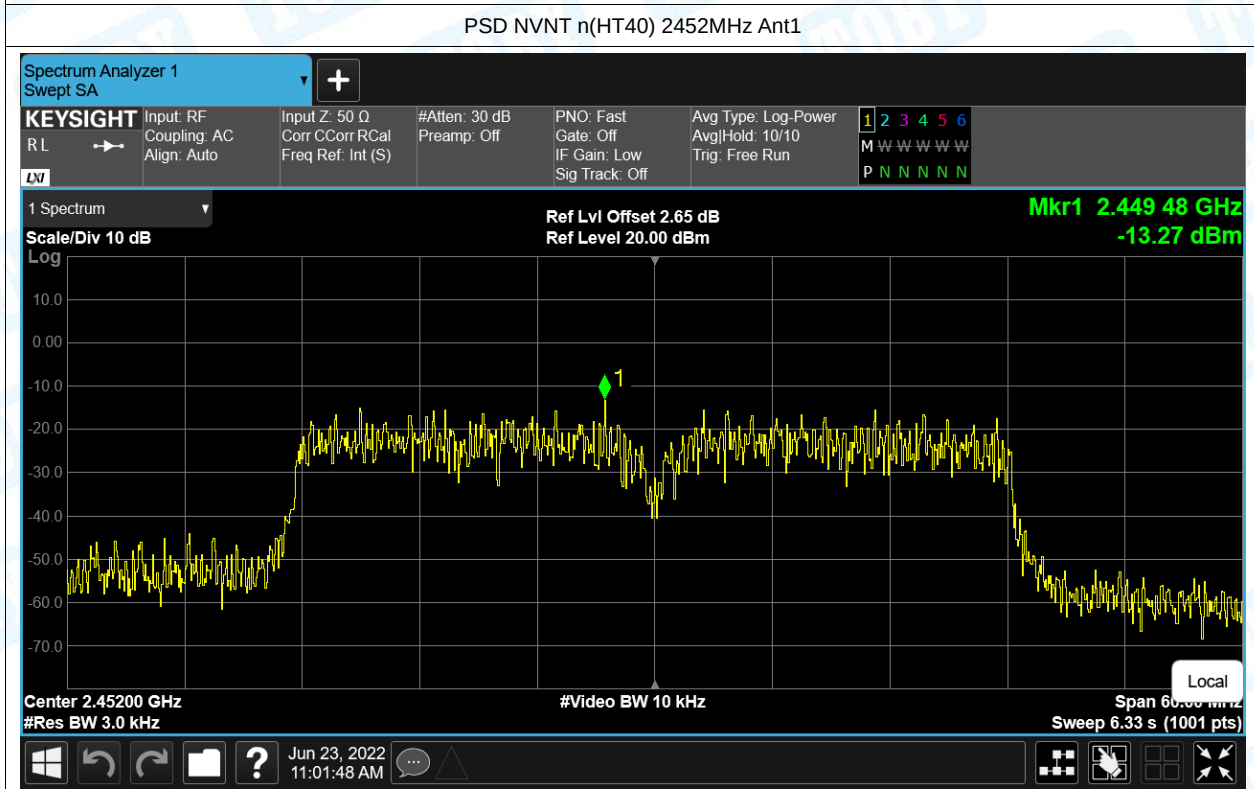
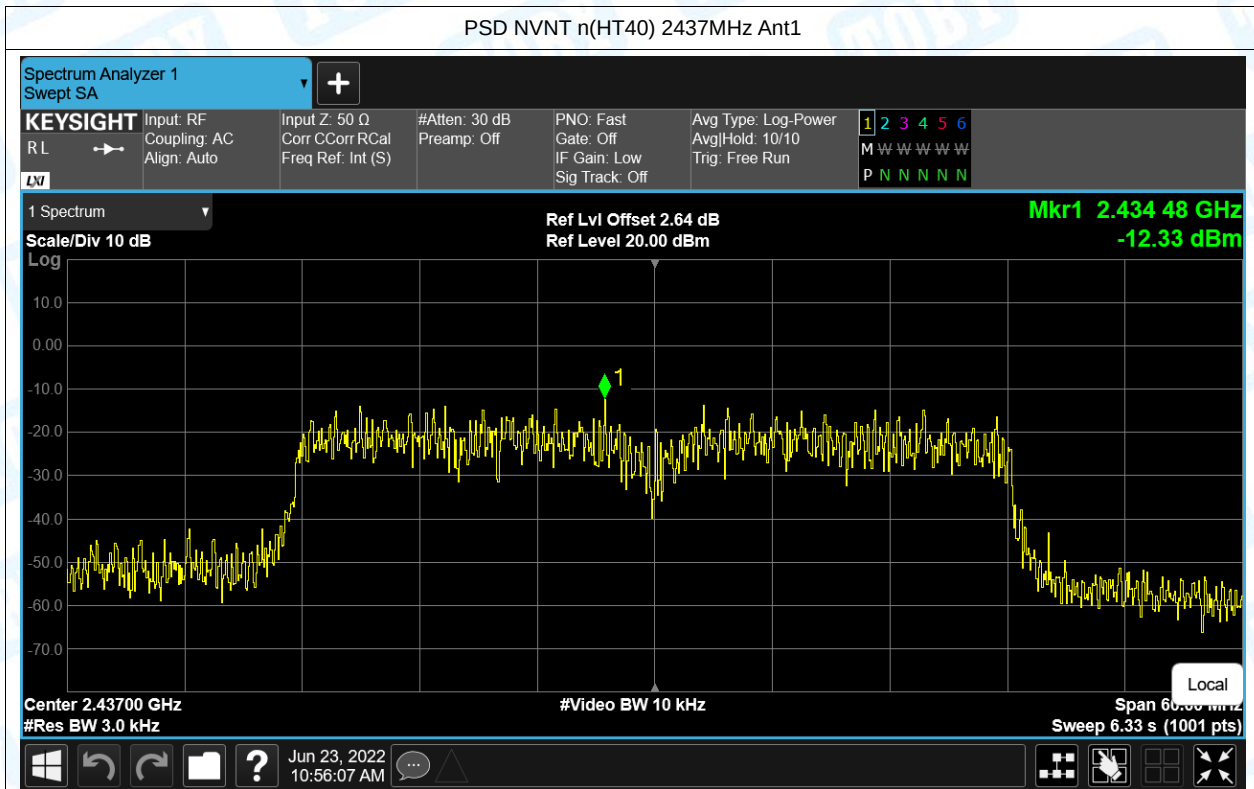
PSD NVNT g 2412MHz Ant1







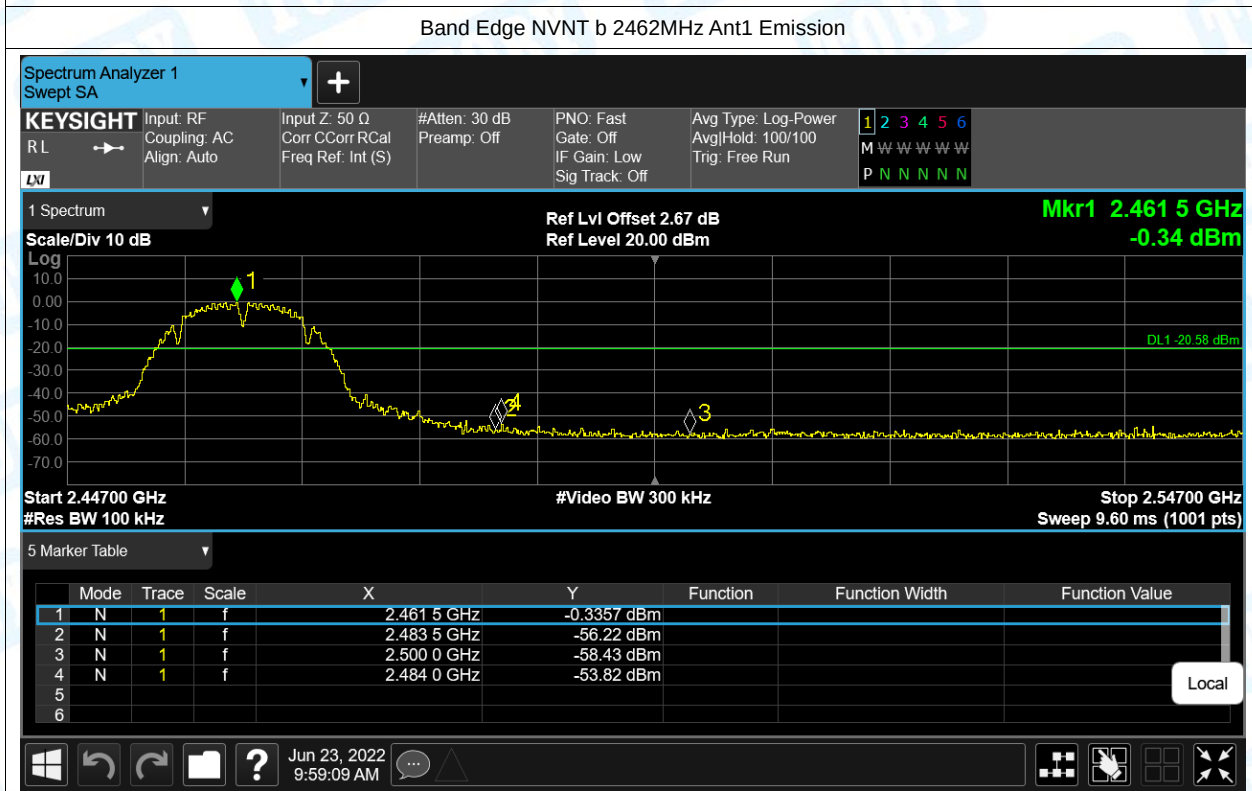
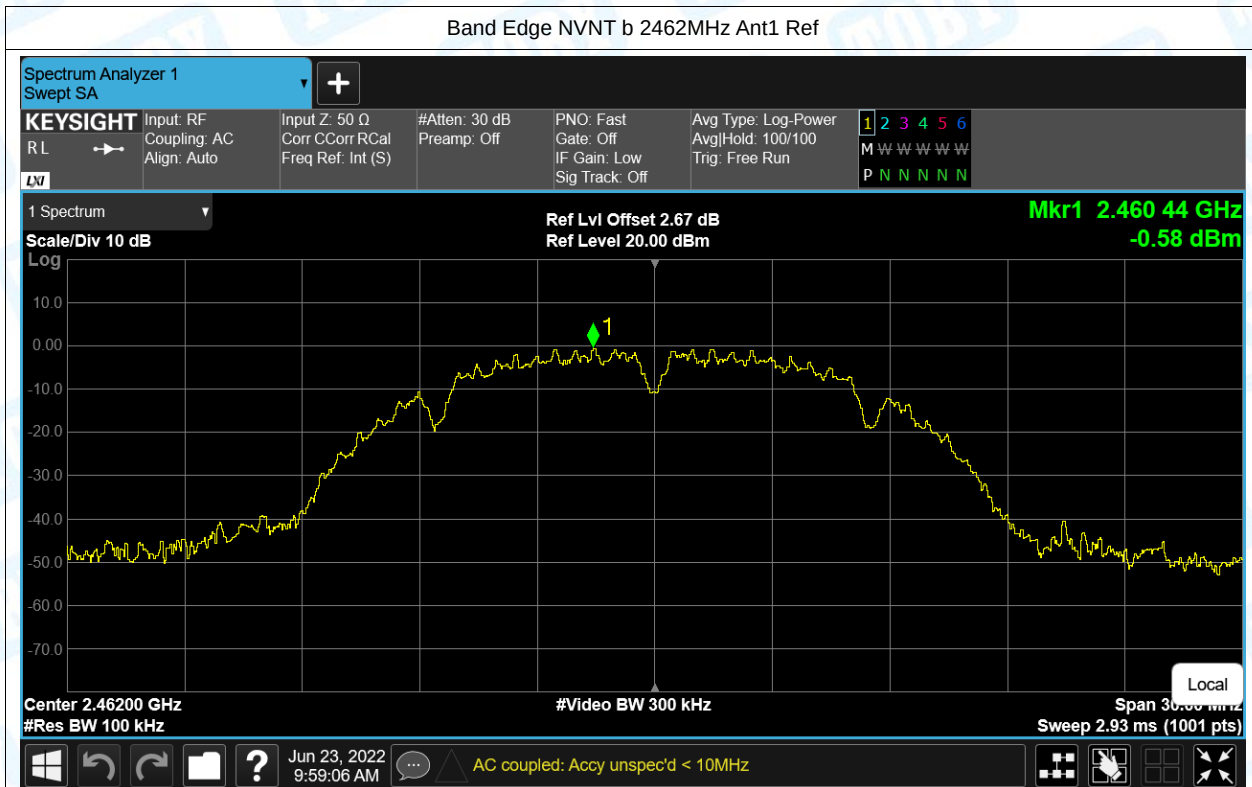


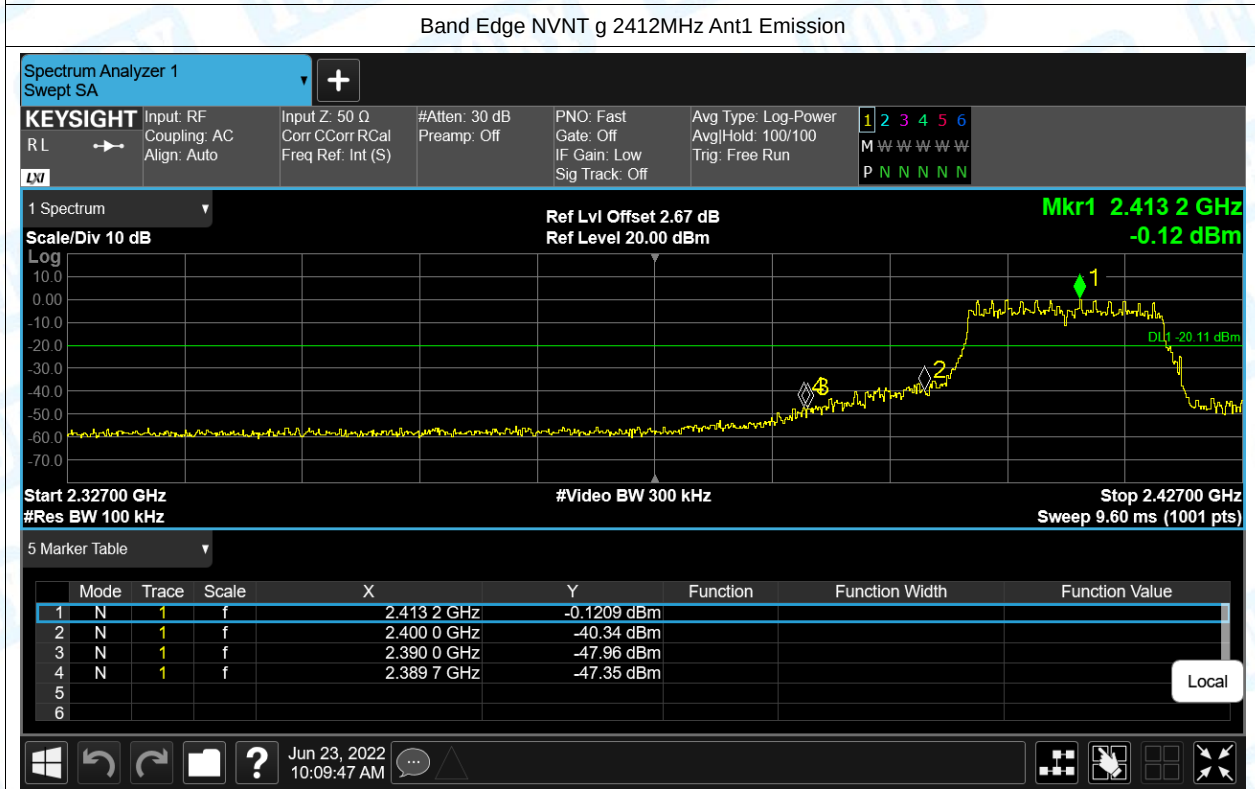
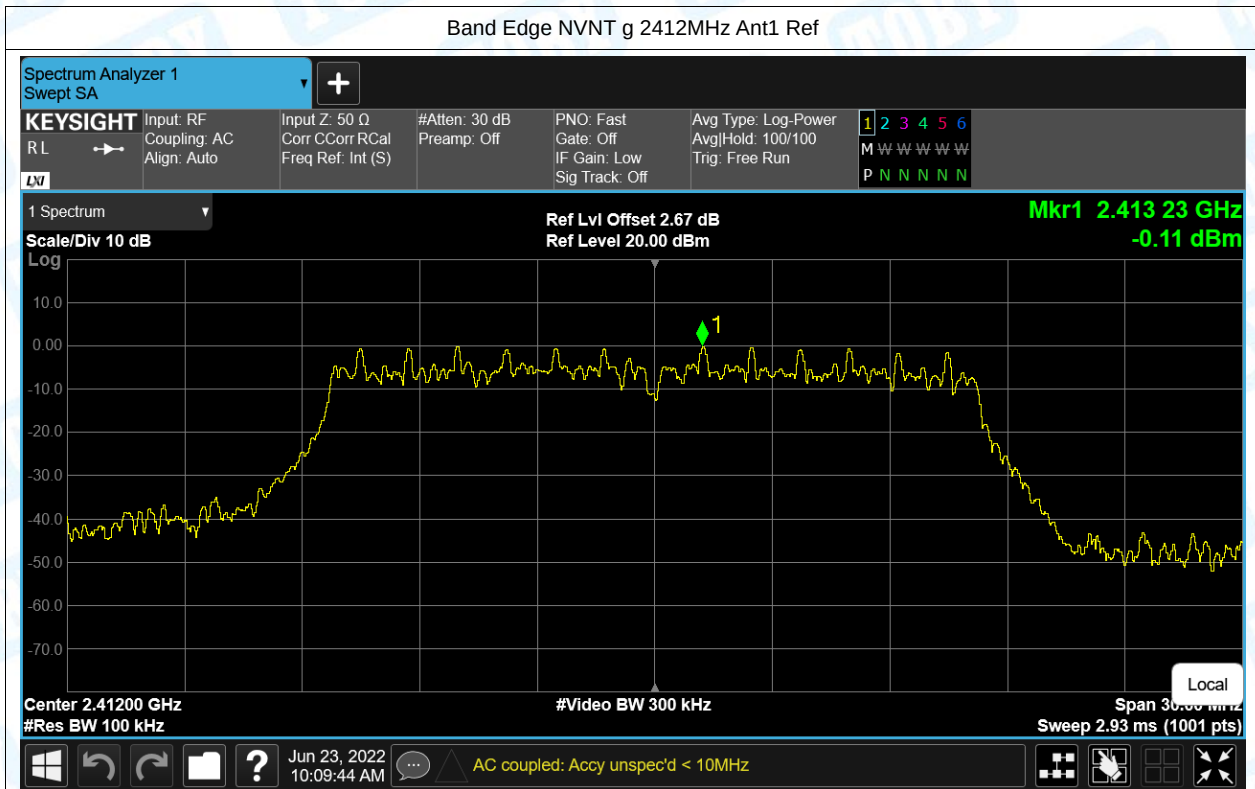


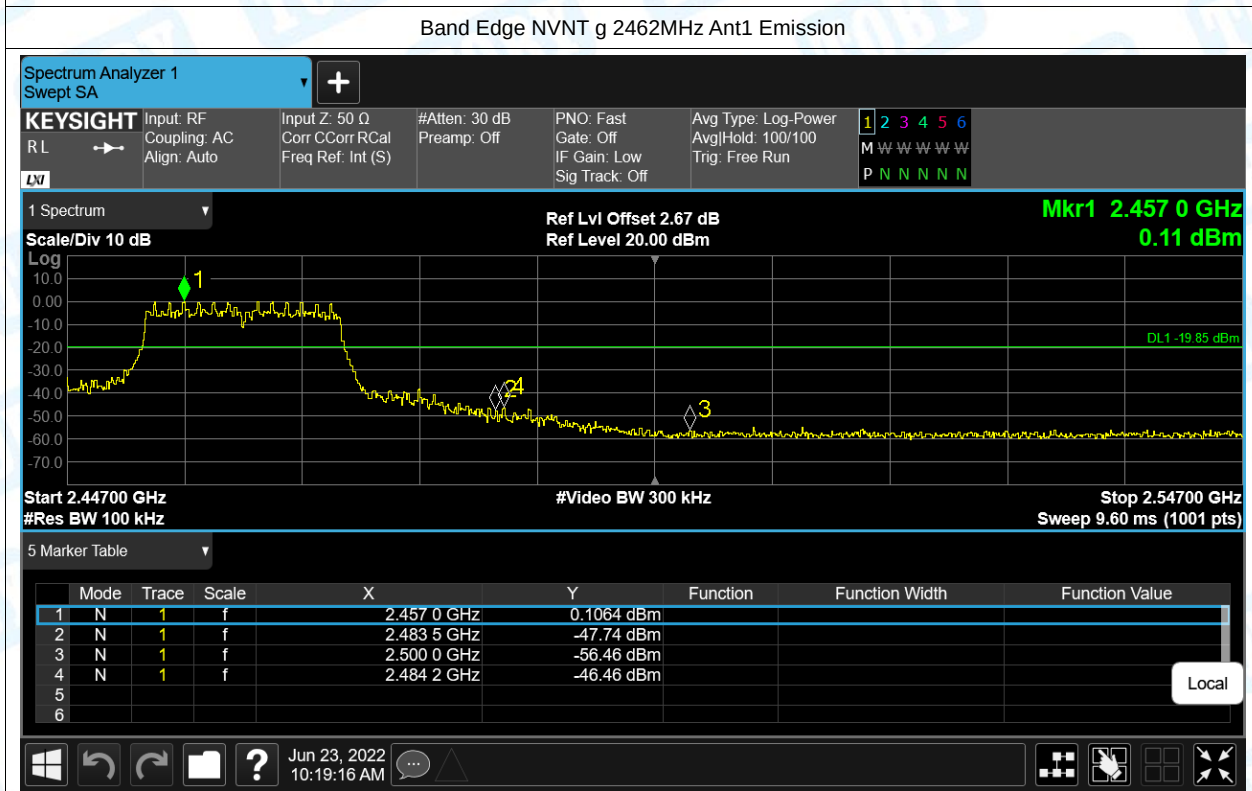
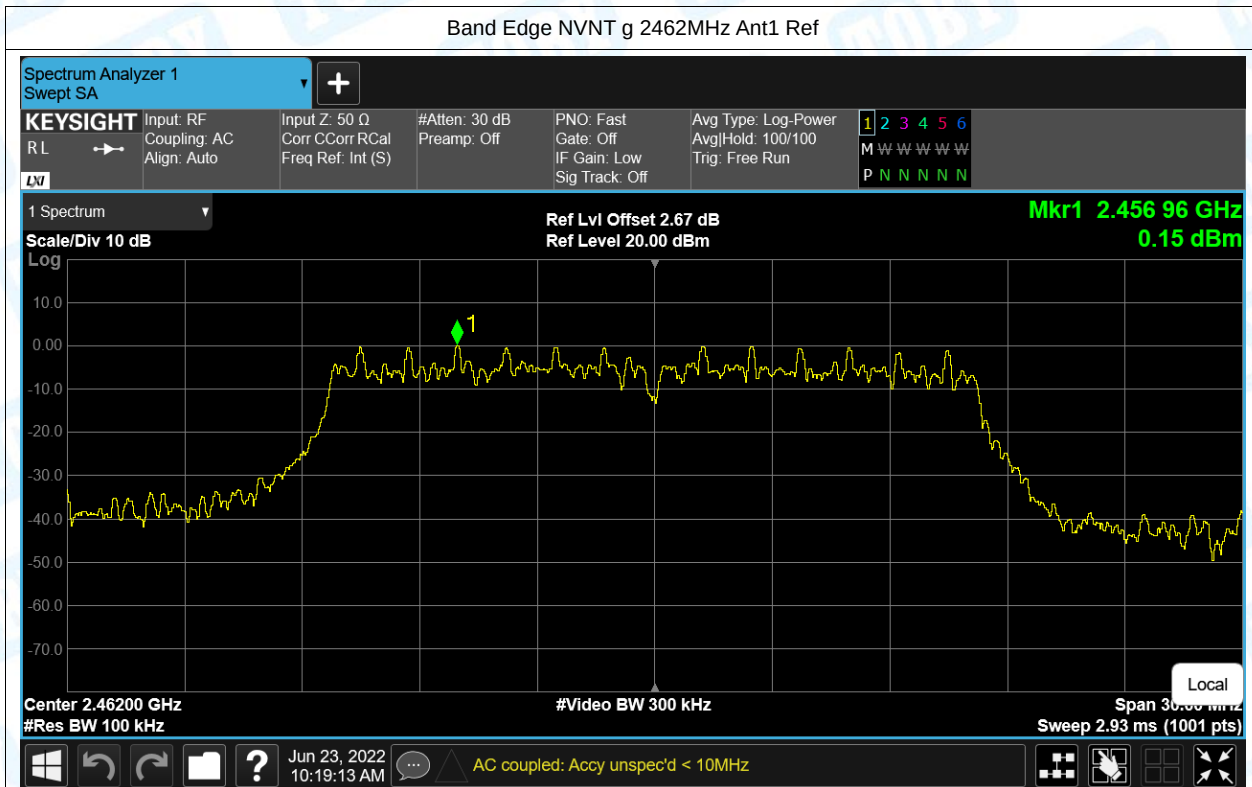
Band Edge

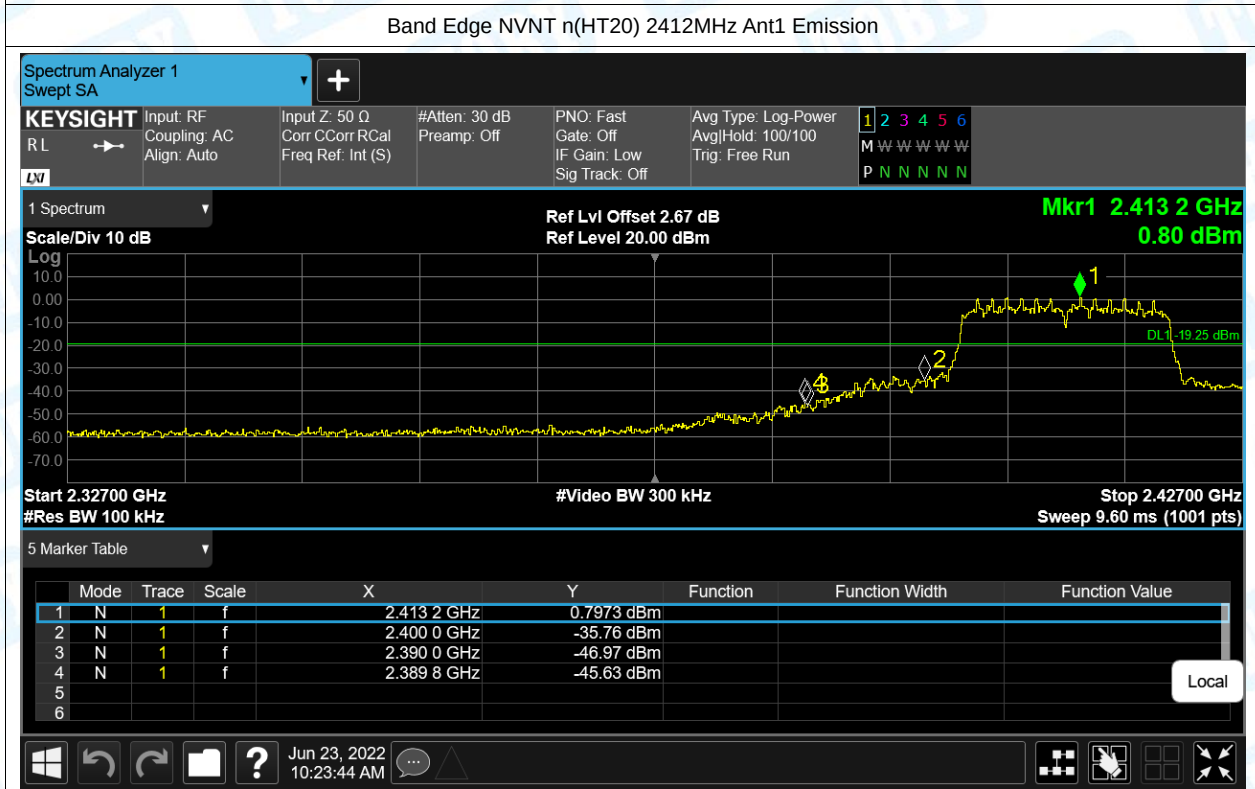
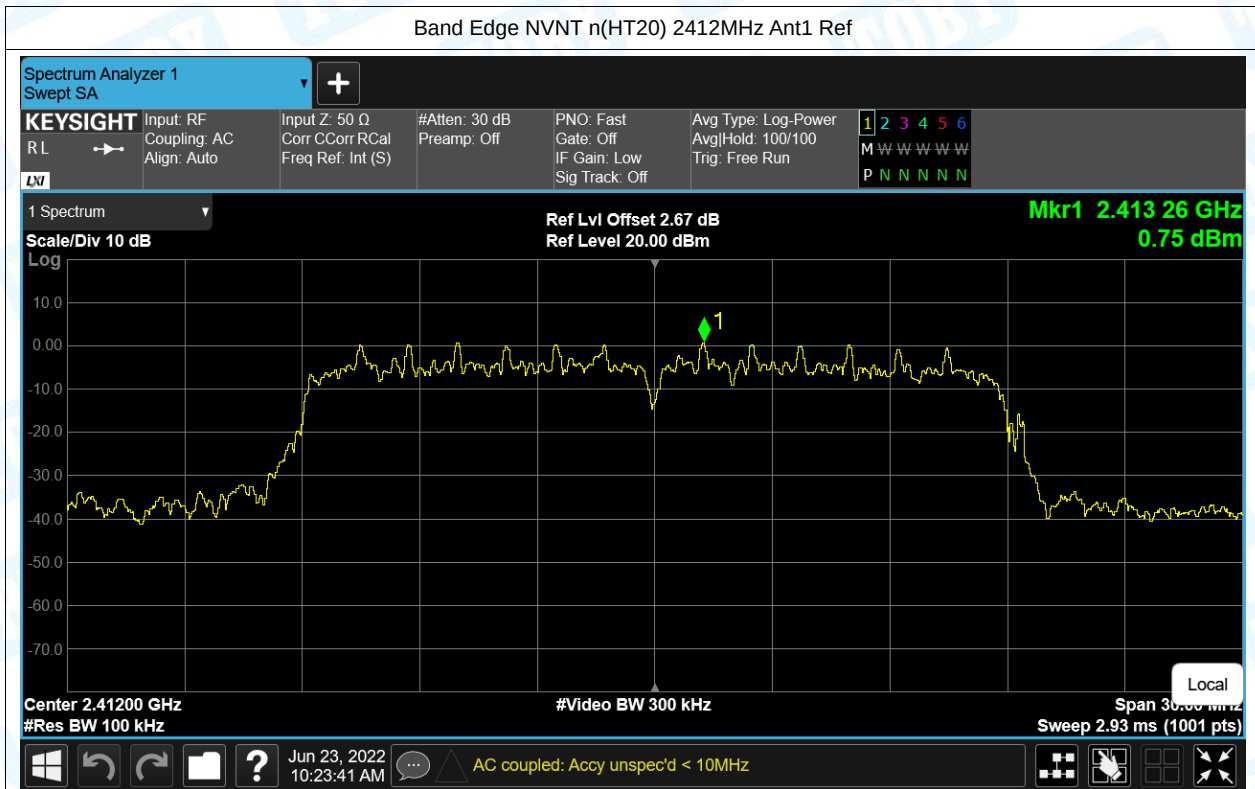
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-53.44	-20	Pass
NVNT	b	2462	Ant1	-53.24	-20	Pass
NVNT	g	2412	Ant1	-47.24	-20	Pass
NVNT	g	2462	Ant1	-46.61	-20	Pass
NVNT	n(HT20)	2412	Ant1	-46.38	-20	Pass
NVNT	n(HT20)	2462	Ant1	-45	-20	Pass
NVNT	n(HT40)	2422	Ant1	-33.49	-20	Pass
NVNT	n(HT40)	2452	Ant1	-37.04	-20	Pass

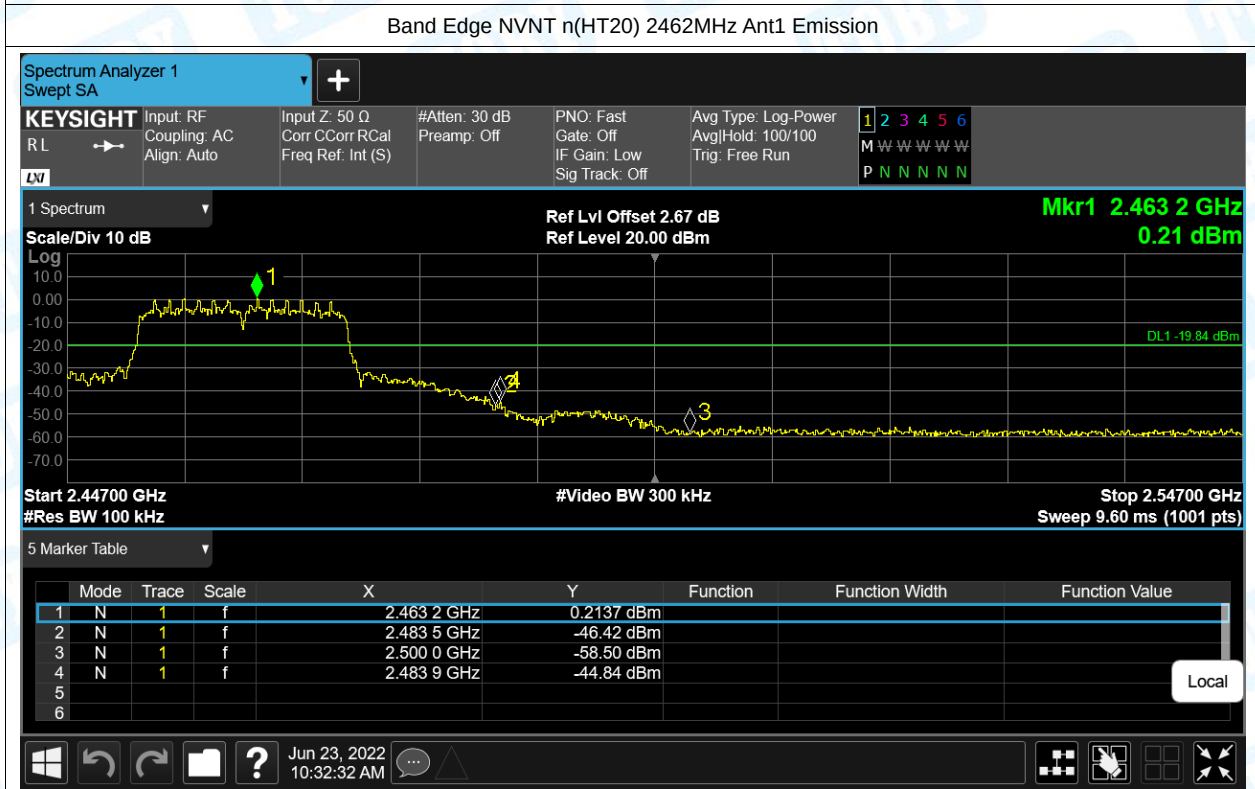
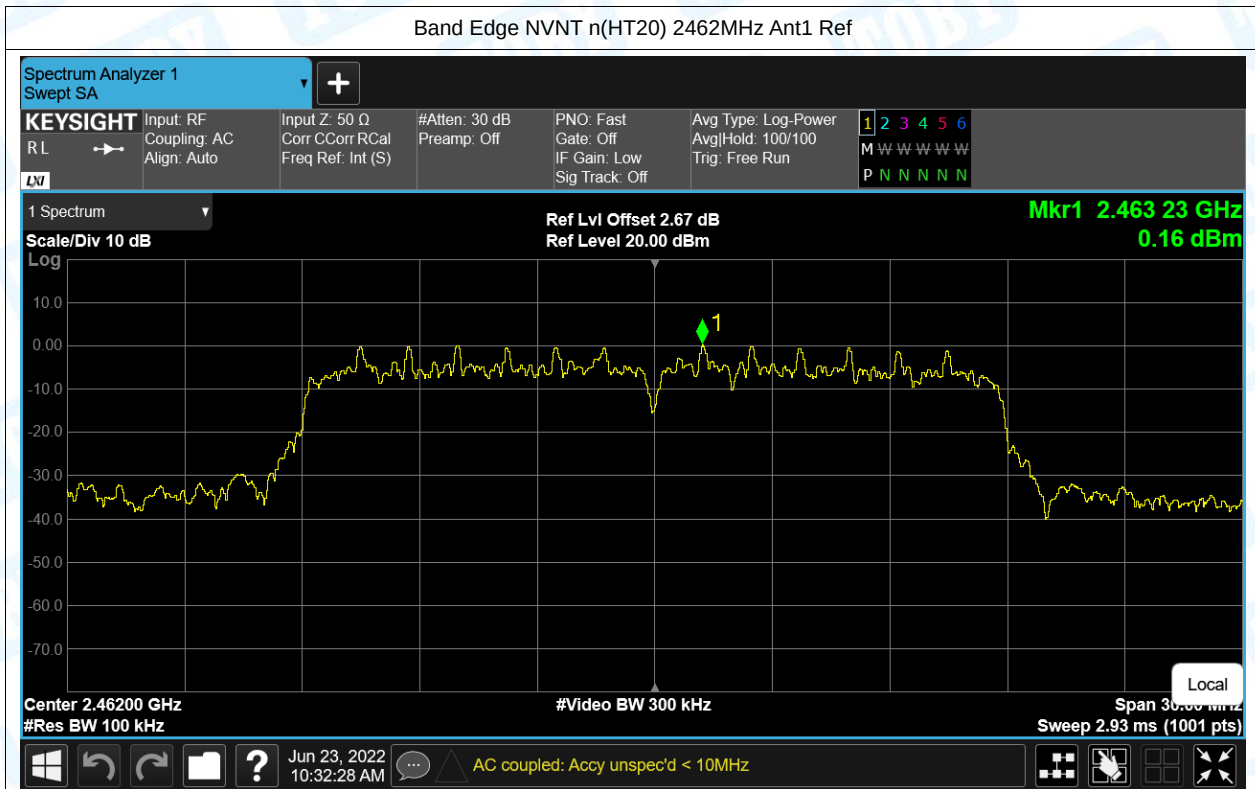


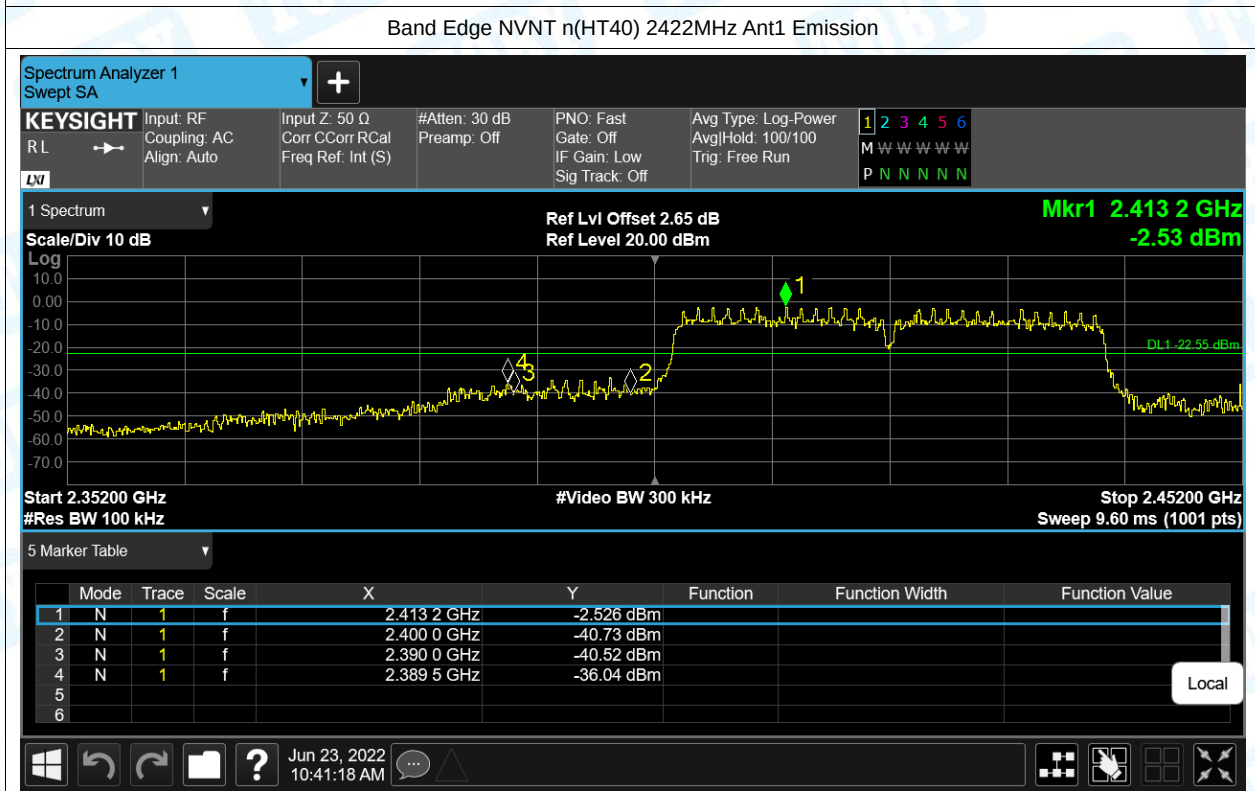
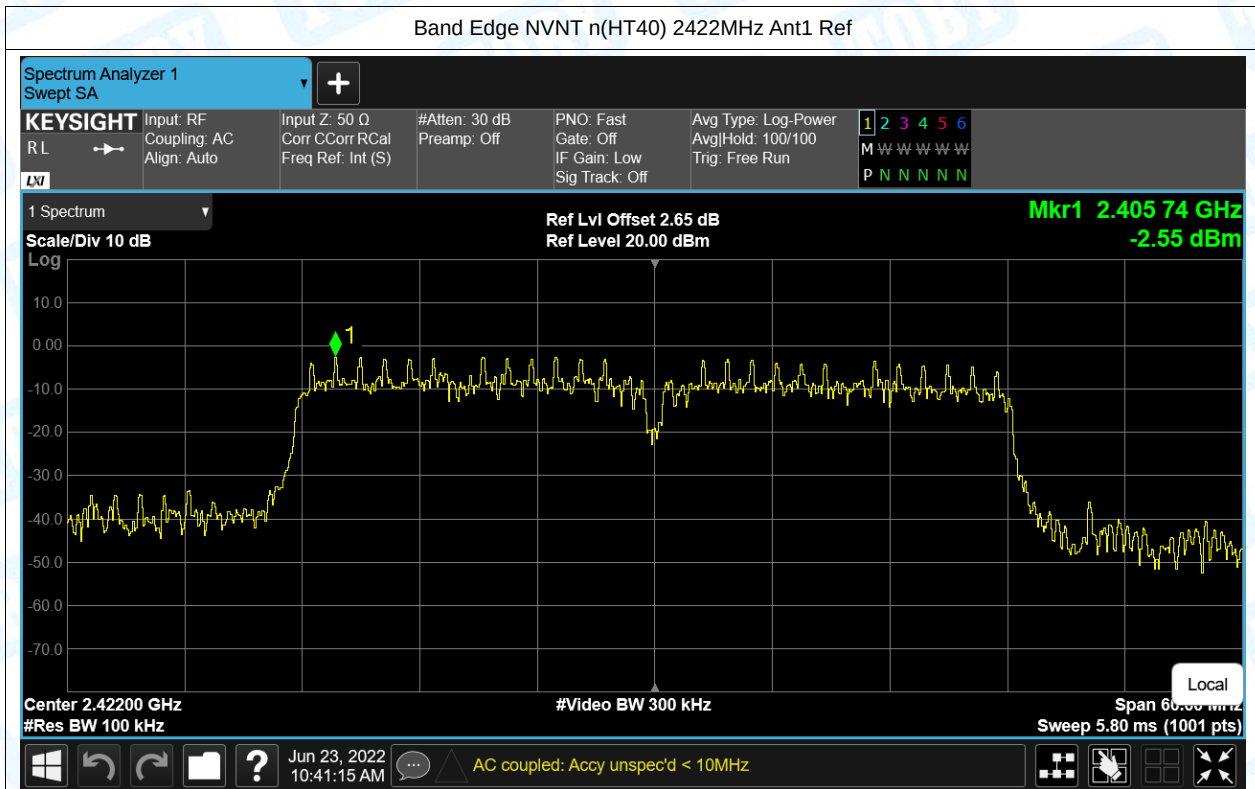


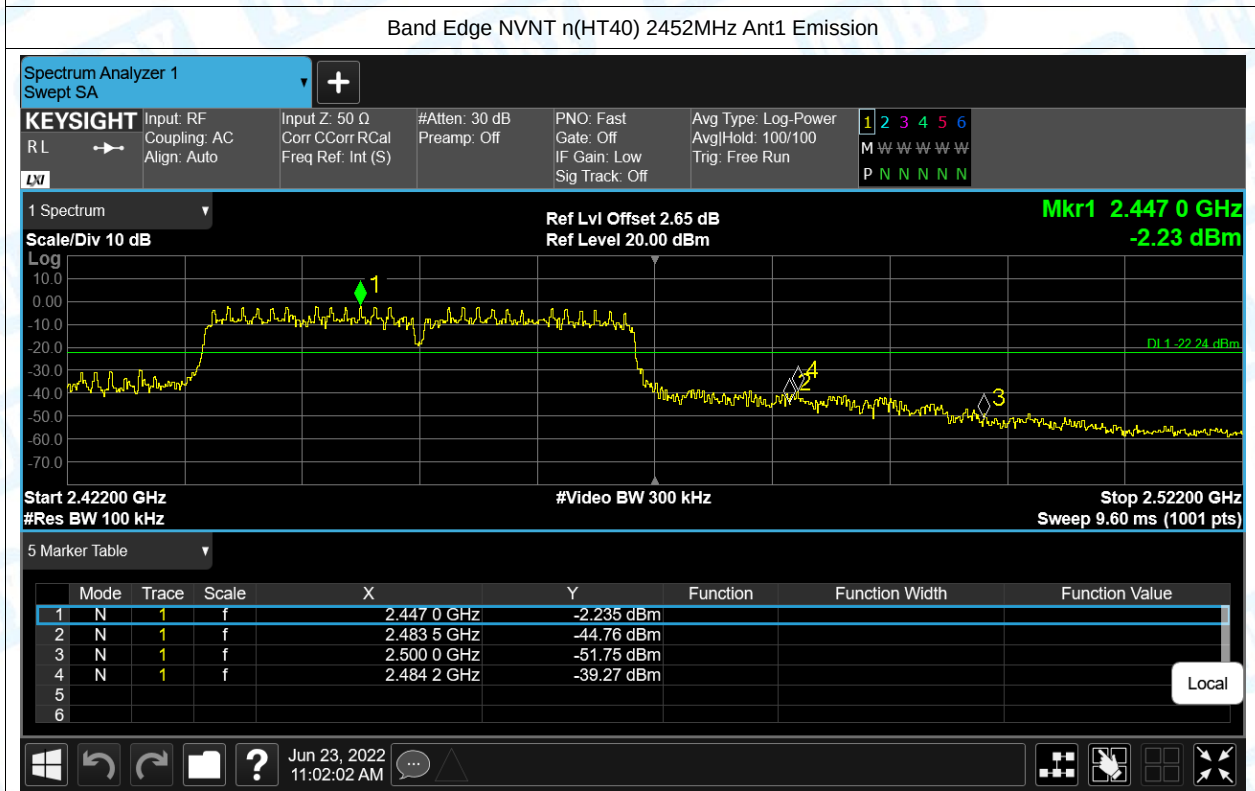
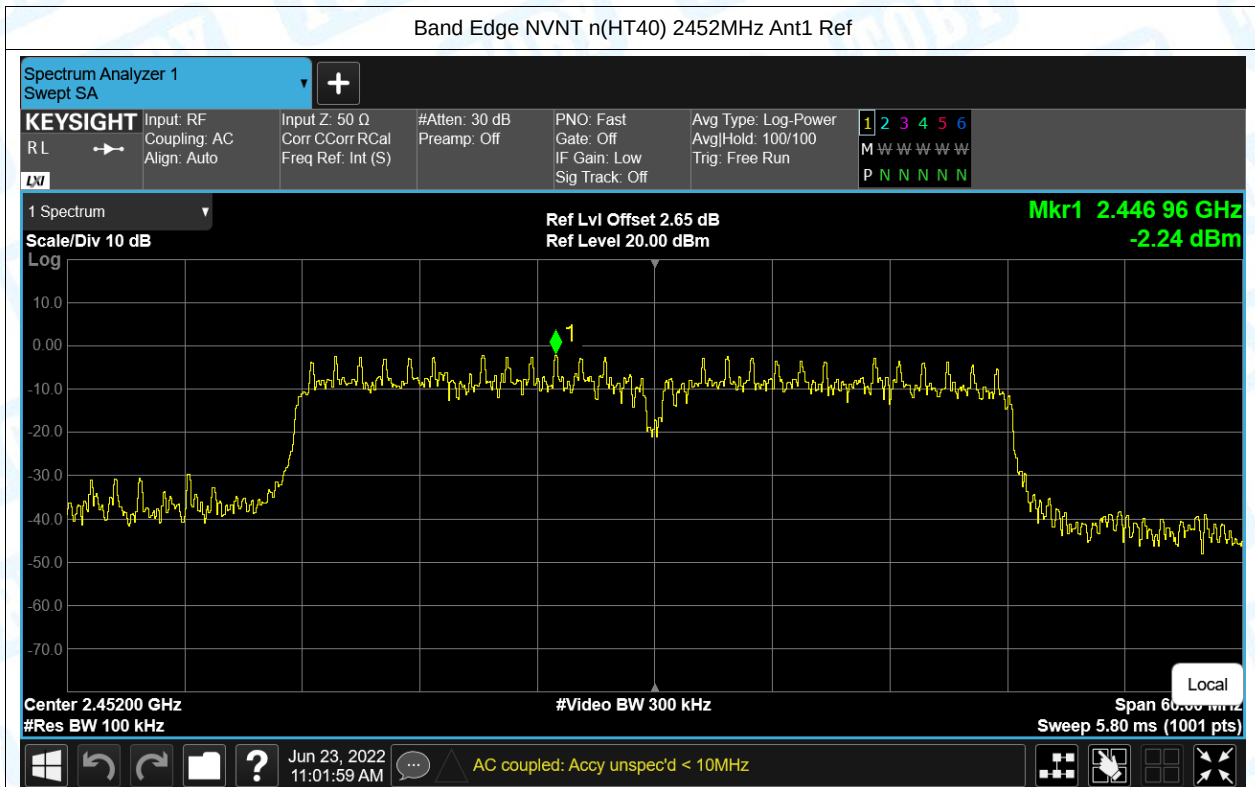












Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-47.39	-20	Pass
NVNT	b	2437	Ant1	-45.73	-20	Pass
NVNT	b	2462	Ant1	-41.39	-20	Pass
NVNT	g	2412	Ant1	-44.57	-20	Pass
NVNT	g	2437	Ant1	-43.46	-20	Pass
NVNT	g	2462	Ant1	-42.08	-20	Pass
NVNT	n(HT20)	2412	Ant1	-42.96	-20	Pass
NVNT	n(HT20)	2437	Ant1	-41.52	-20	Pass
NVNT	n(HT20)	2462	Ant1	-42.33	-20	Pass
NVNT	n(HT40)	2422	Ant1	-39.31	-20	Pass
NVNT	n(HT40)	2437	Ant1	-40.87	-20	Pass
NVNT	n(HT40)	2452	Ant1	-38.75	-20	Pass

