

RF Test Data for 2.4G WiFi (Conducted Measurements)

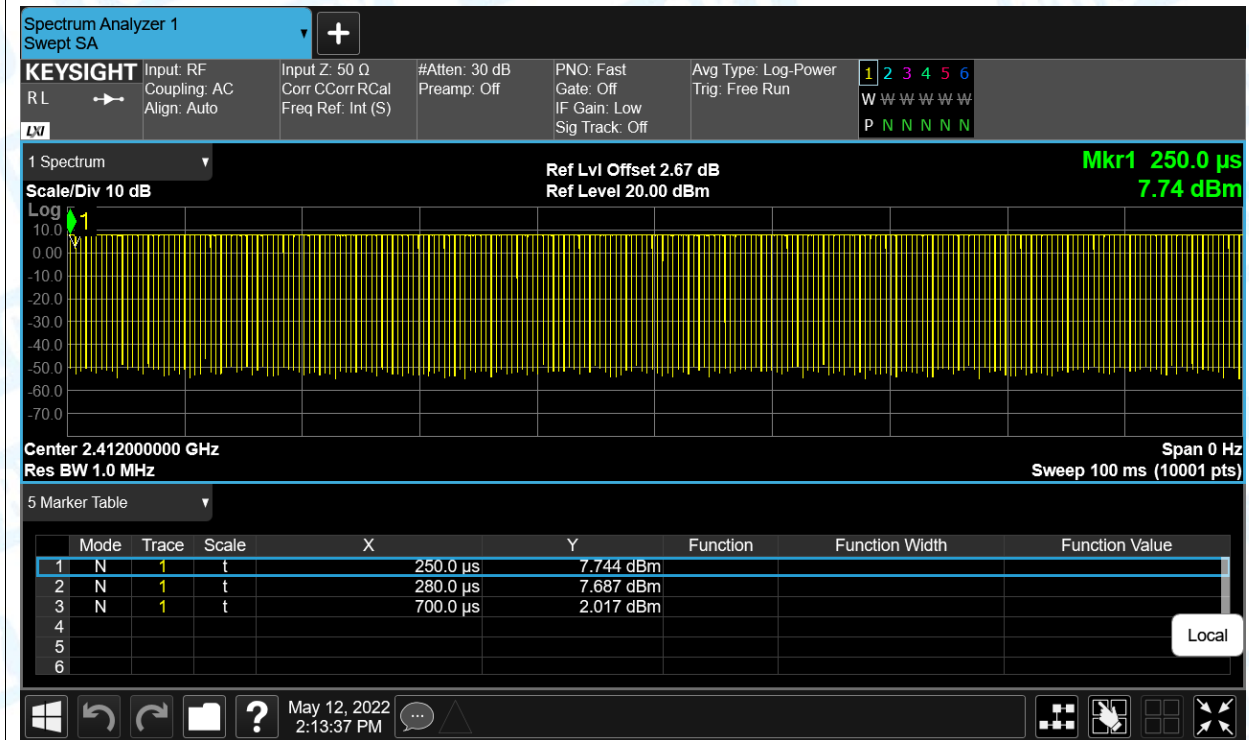
General Description of EUT	
Product Name:	Fourtify
Test Model:	SRIFI-FOURTIFY
Sample ID:	RW-C-202204-0376-6-2#
Environmental Conditions	
Temperature:	23.8℃
Relative Humidity:	48%
Test Voltage:	DC 12V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202204-0376-8	

1. Duty Cycle

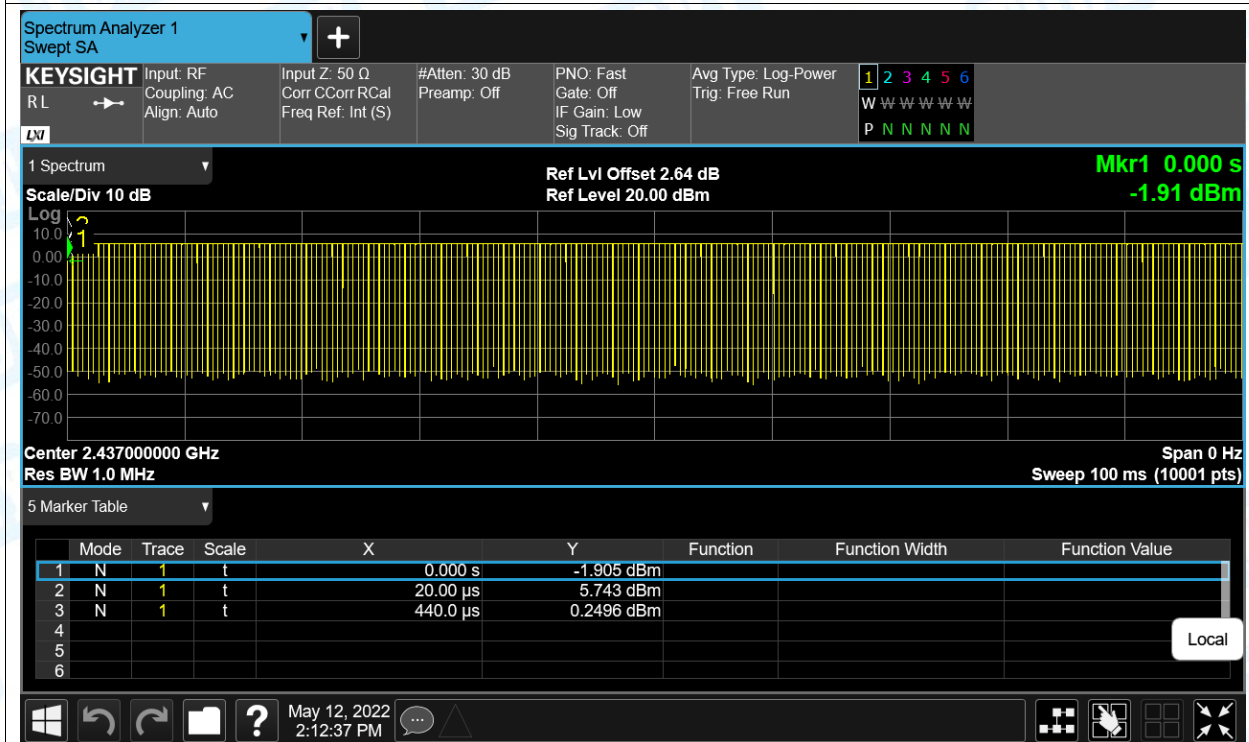
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	96.9	0.14	2.38
NVNT	b	2437	Ant1	96.9	0.14	2.38
NVNT	b	2462	Ant1	96.94	0.13	2.38
NVNT	g	2412	Ant1	79.46	1	16.67
NVNT	g	2437	Ant1	79.67	0.99	14.29
NVNT	g	2462	Ant1	79.59	0.99	14.29
NVNT	n(HT20)	2412	Ant1	81.49	0.89	12.5
NVNT	n(HT20)	2437	Ant1	81.91	0.87	12.5
NVNT	n(HT20)	2462	Ant1	81.48	0.89	12.5
NVNT	n(HT40)	2422	Ant1	77.2	1.12	20
NVNT	n(HT40)	2437	Ant1	76.82	1.15	16.67
NVNT	n(HT40)	2452	Ant1	76.64	1.16	16.67

Test Graphs

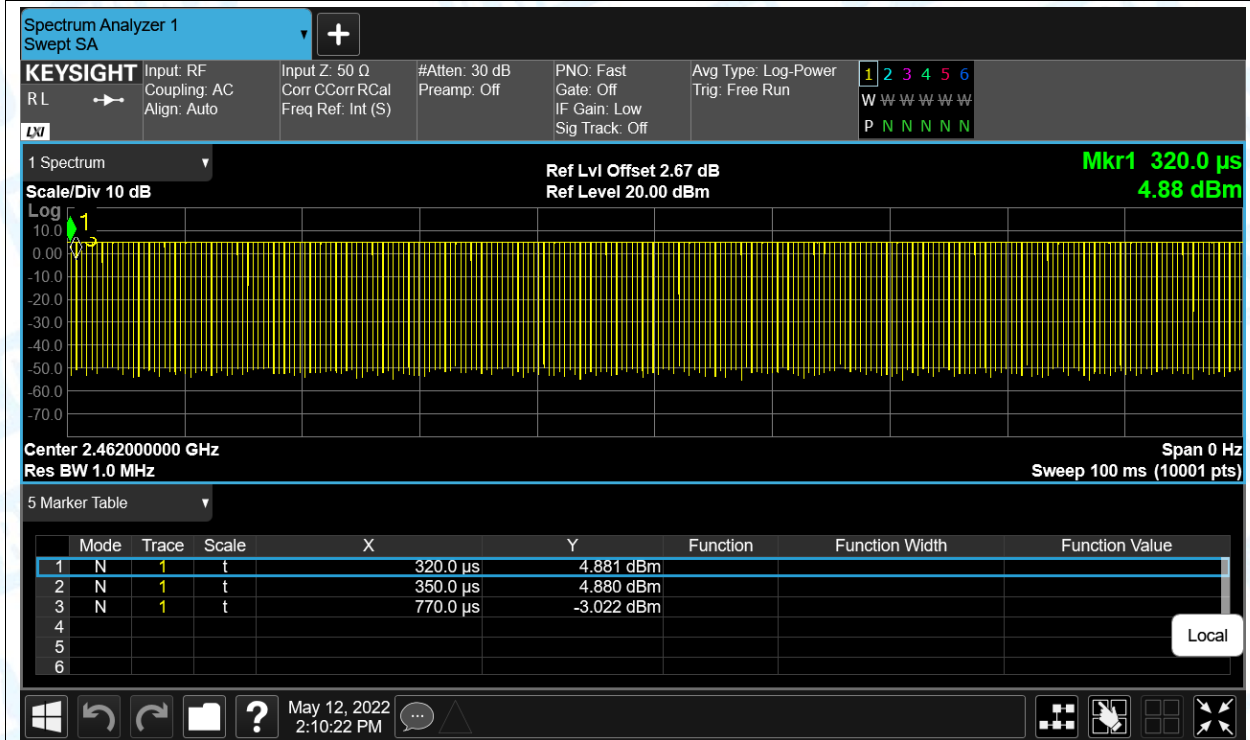
Duty Cycle NVNT b 2412MHz Ant1



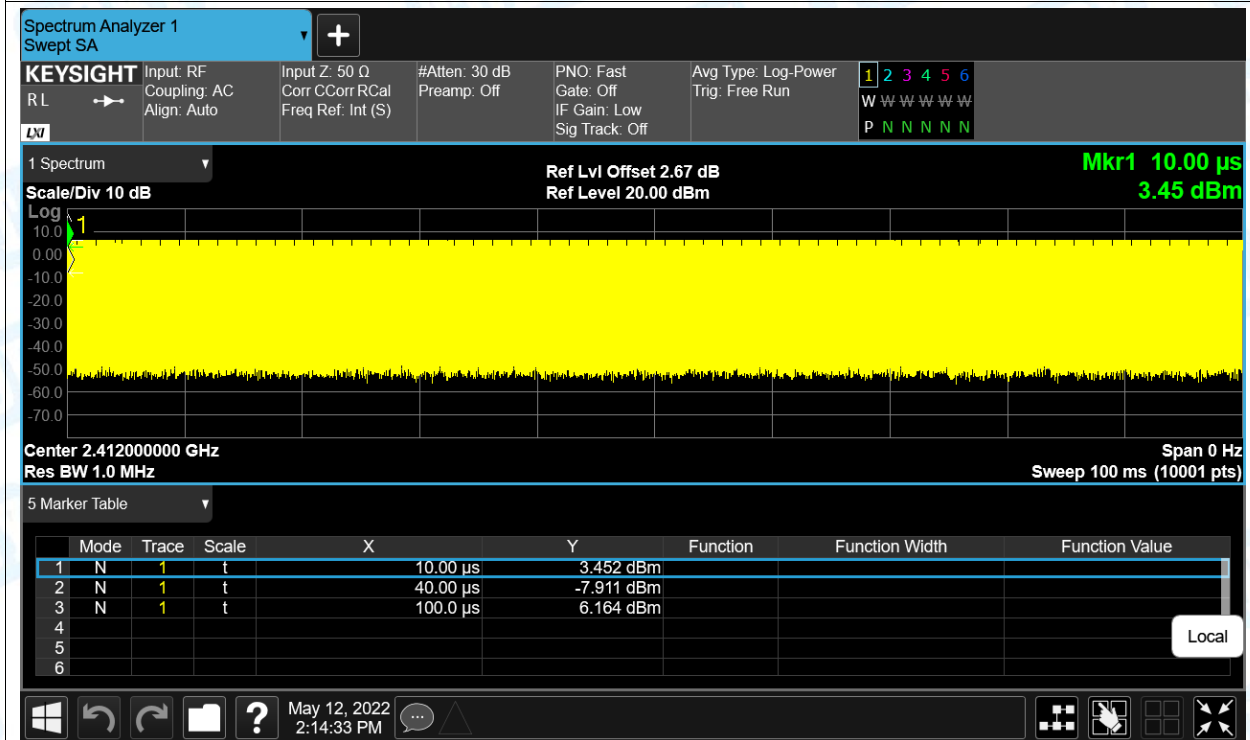
Duty Cycle NVNT b 2437MHz Ant1



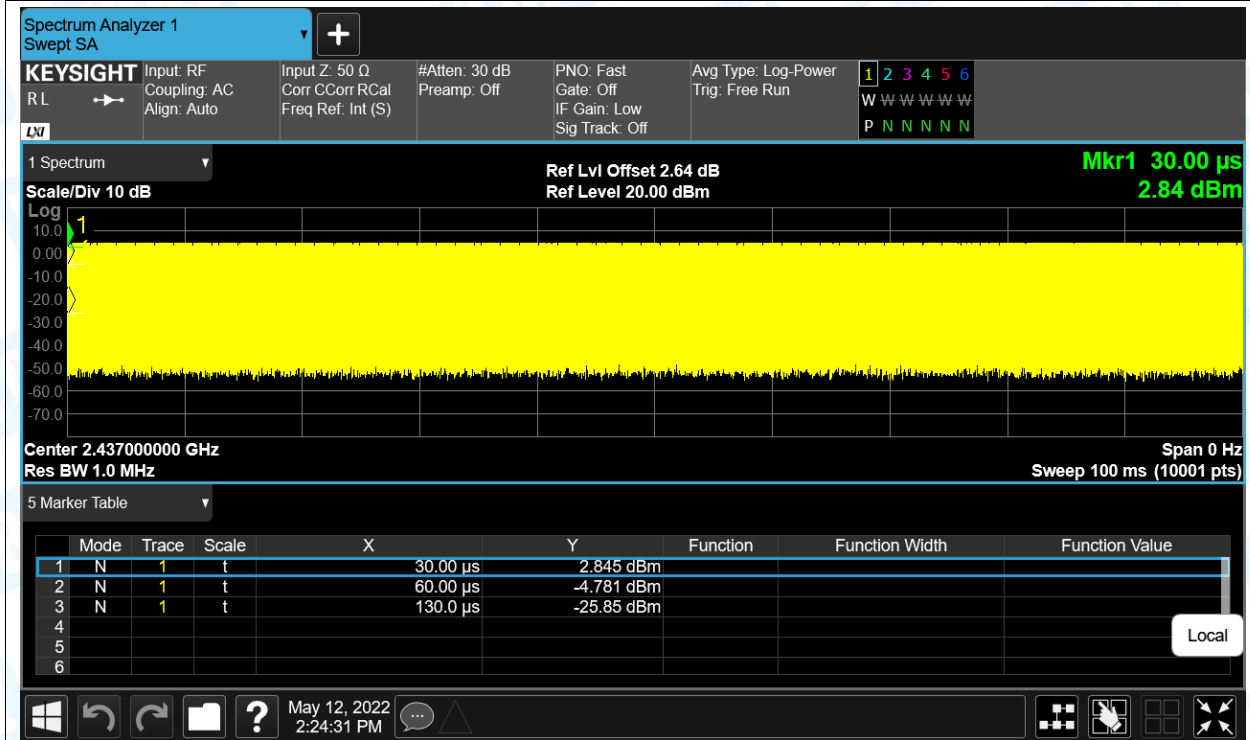
Duty Cycle NVNT b 2462MHz Ant1



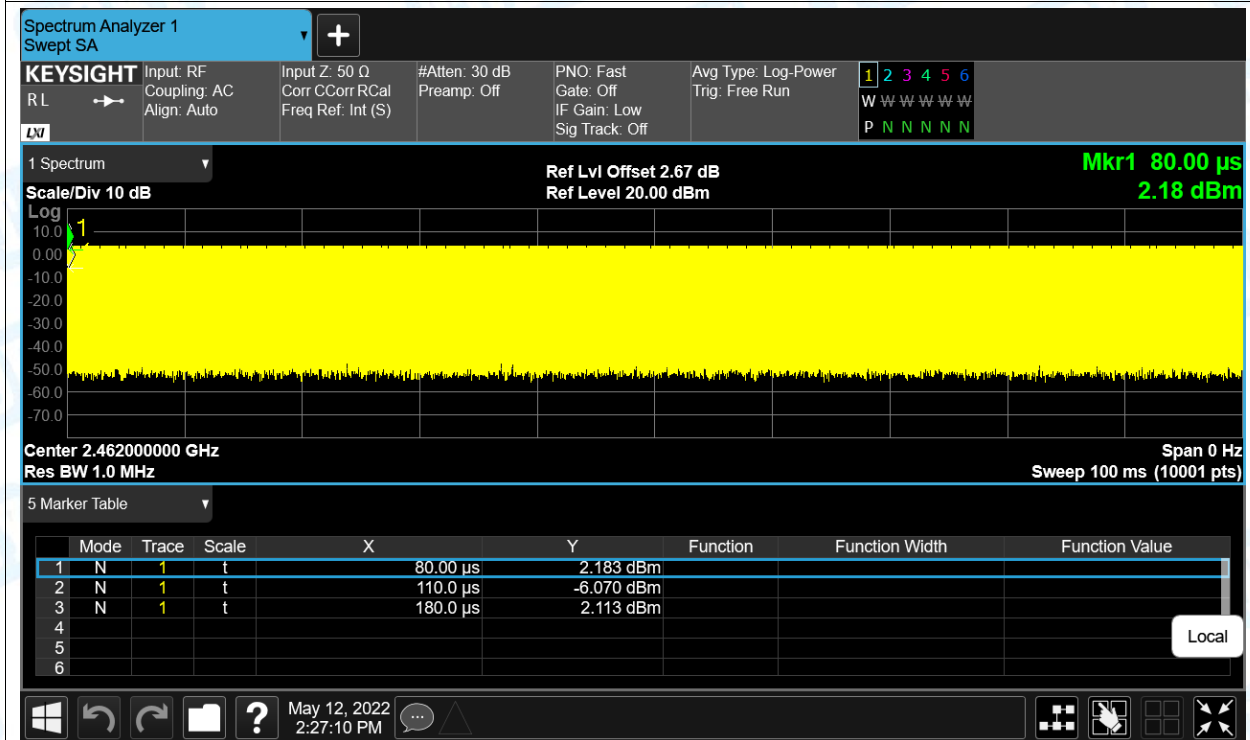
Duty Cycle NVNT g 2412MHz Ant1



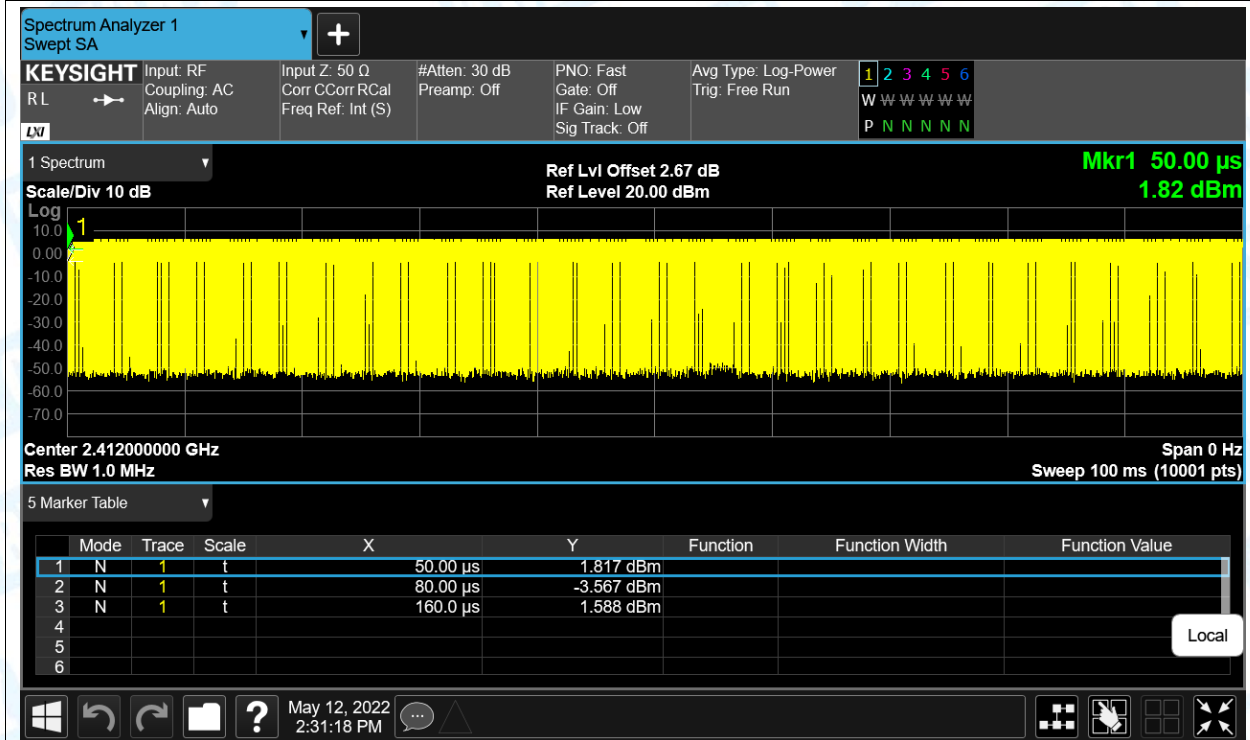
Duty Cycle NVNT g 2437MHz Ant1



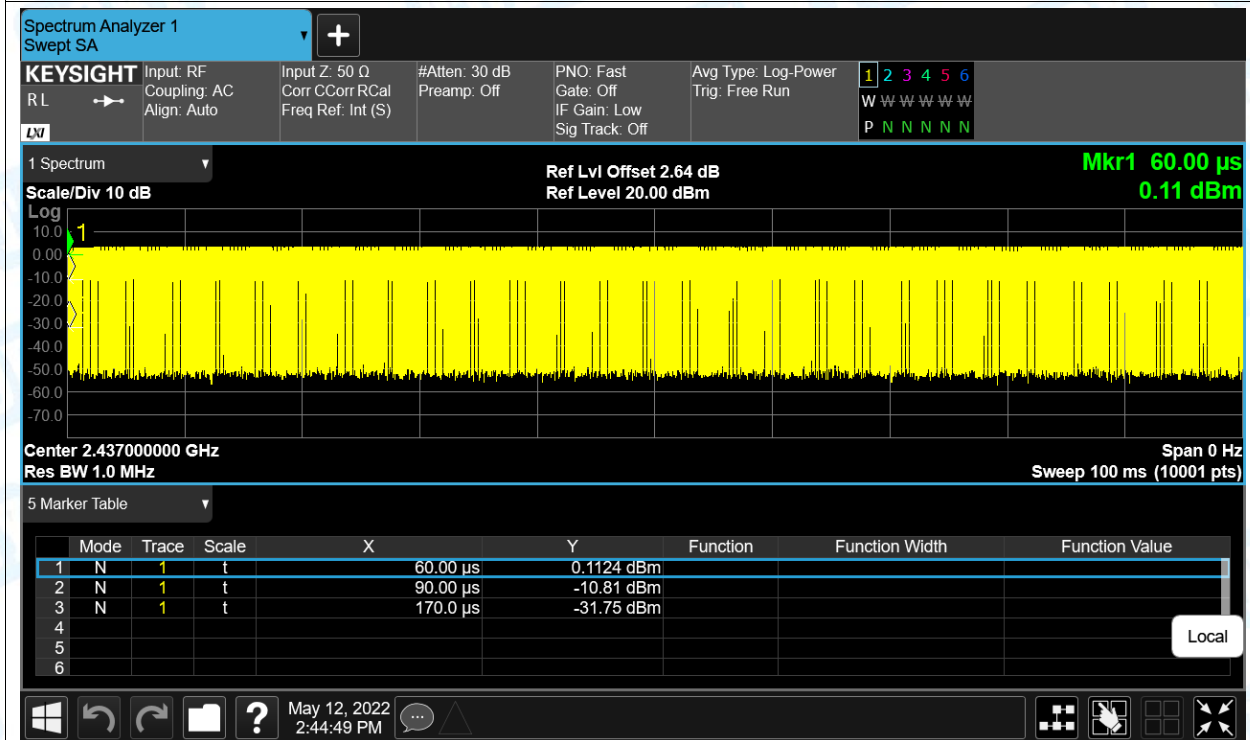
Duty Cycle NVNT g 2462MHz Ant1

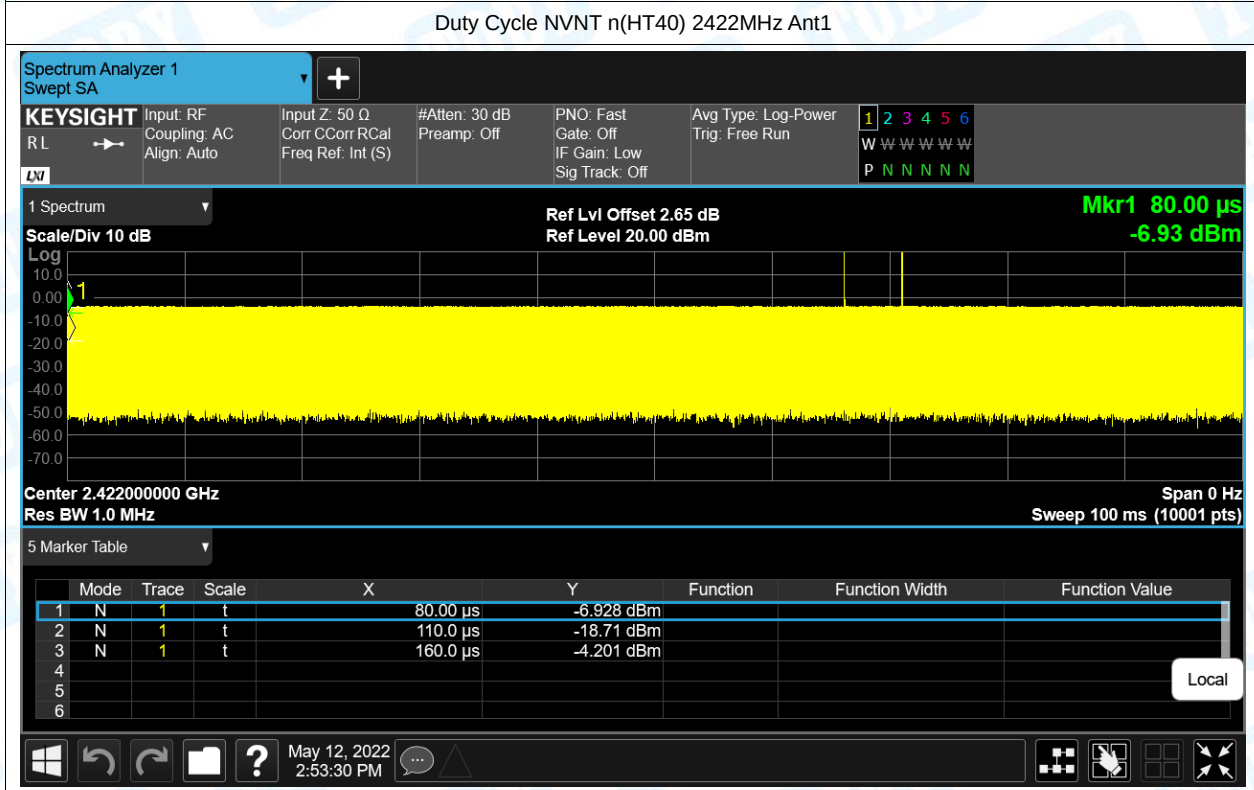
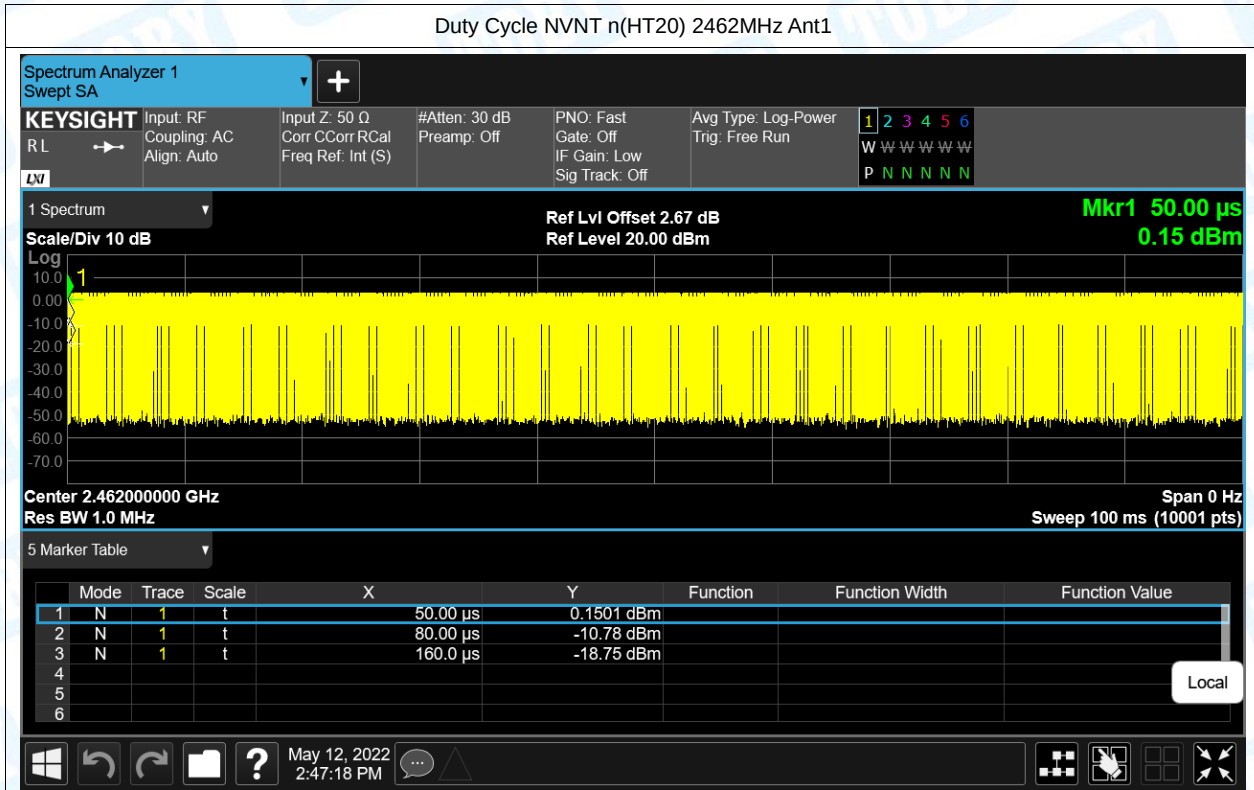


Duty Cycle NVNT n(HT20) 2412MHz Ant1

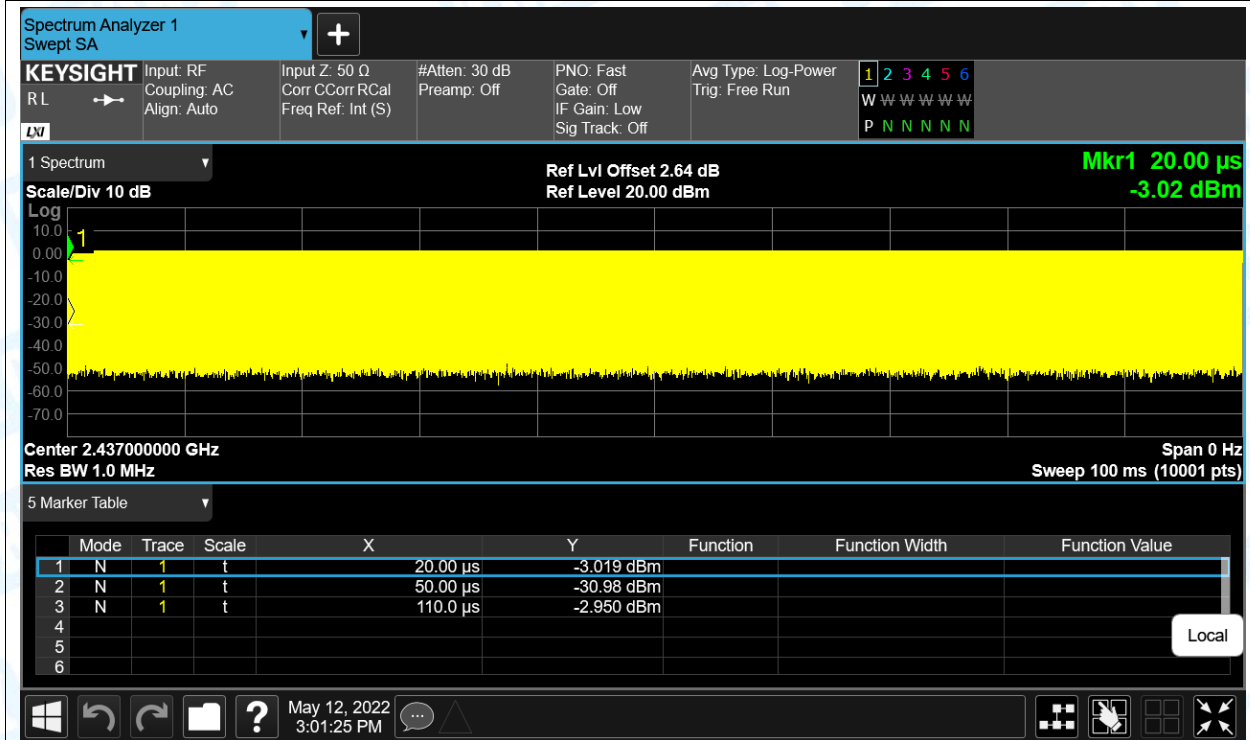


Duty Cycle NVNT n(HT20) 2437MHz Ant1

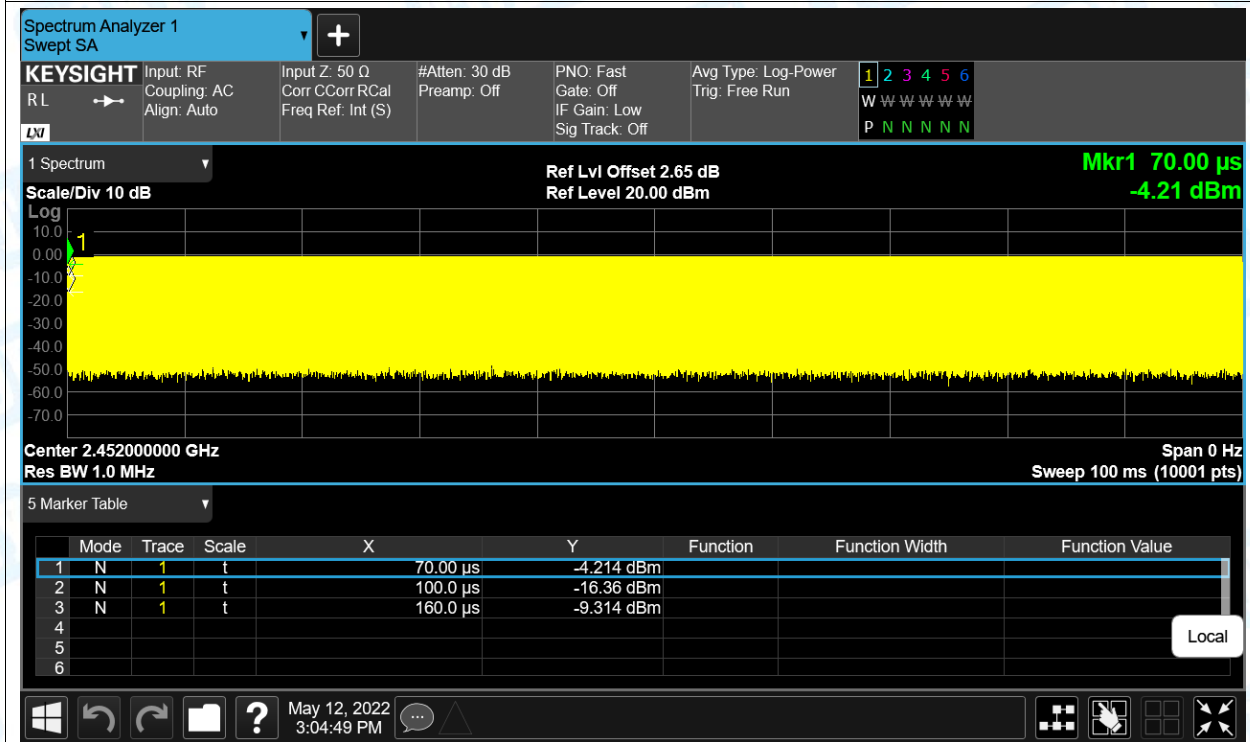




Duty Cycle NVNT n(HT40) 2437MHz Ant1



Duty Cycle NVNT n(HT40) 2452MHz Ant1



2. Maximum Conducted Output Power

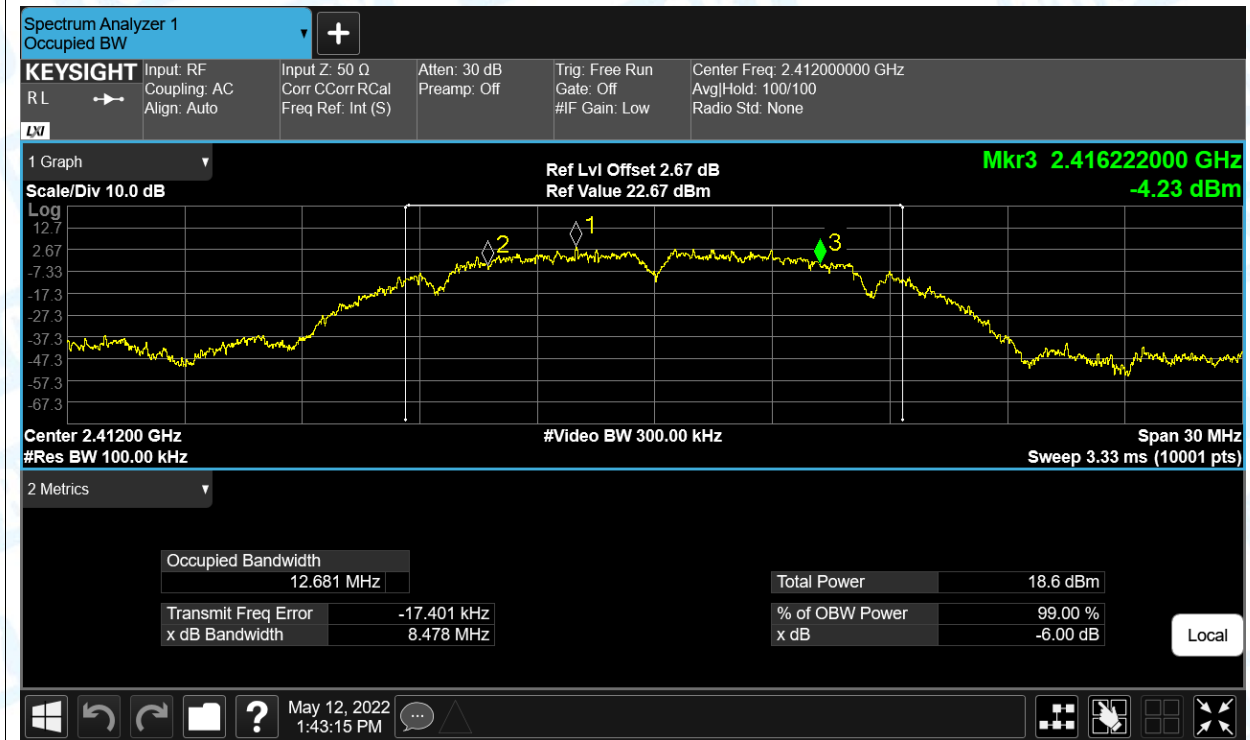
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	15.13	30	Pass
NVNT	b	2437	Ant1	13.18	30	Pass
NVNT	b	2462	Ant1	12.28	30	Pass
NVNT	g	2412	Ant1	15.58	30	Pass
NVNT	g	2437	Ant1	13.88	30	Pass
NVNT	g	2462	Ant1	13.19	30	Pass
NVNT	n(HT20)	2412	Ant1	15.45	30	Pass
NVNT	n(HT20)	2437	Ant1	13.02	30	Pass
NVNT	n(HT20)	2462	Ant1	13.15	30	Pass
NVNT	n(HT40)	2422	Ant1	13.26	30	Pass
NVNT	n(HT40)	2437	Ant1	12.06	30	Pass
NVNT	n(HT40)	2452	Ant1	11.32	30	Pass

3. -6dB Bandwidth

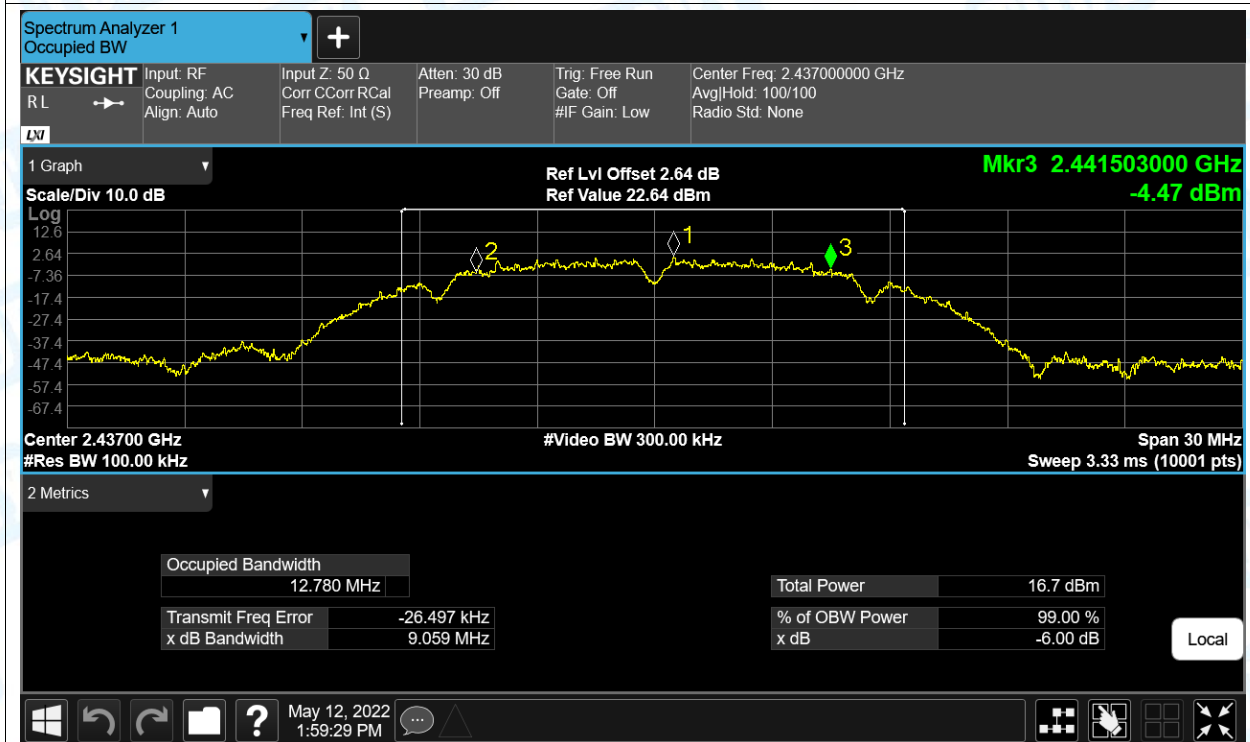
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.48	0.5	Pass
NVNT	b	2437	Ant1	9.06	0.5	Pass
NVNT	b	2462	Ant1	9.54	0.5	Pass
NVNT	g	2412	Ant1	15.77	0.5	Pass
NVNT	g	2437	Ant1	16.09	0.5	Pass
NVNT	g	2462	Ant1	16.1	0.5	Pass
NVNT	n(HT20)	2412	Ant1	15.55	0.5	Pass
NVNT	n(HT20)	2437	Ant1	16.09	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

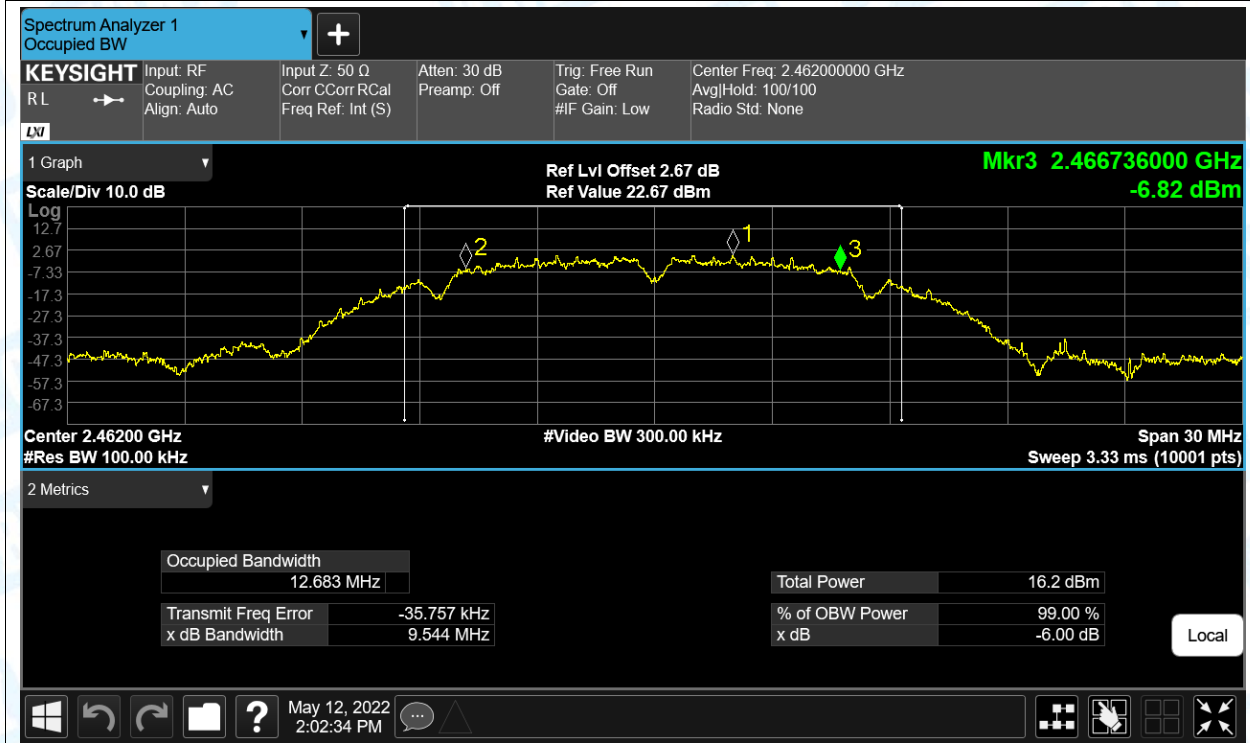
-6dB Bandwidth NVNT b 2412MHz Ant1



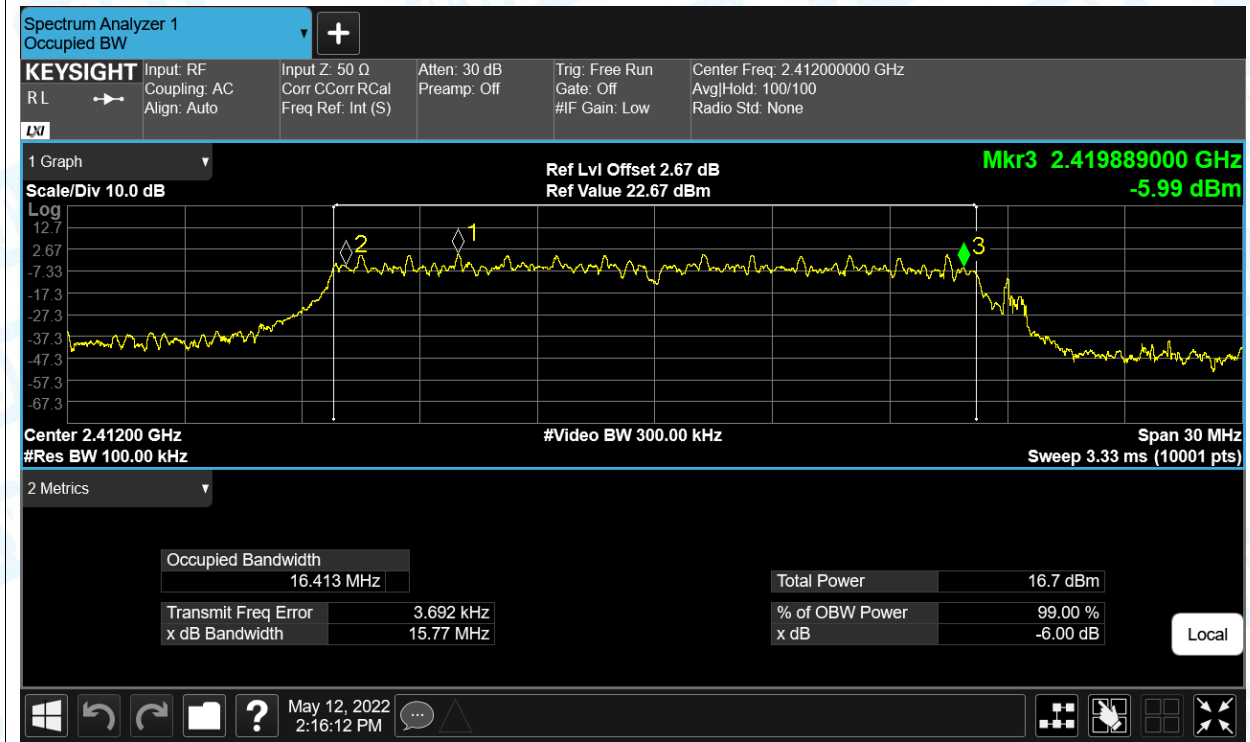
-6dB Bandwidth NVNT b 2437MHz Ant1

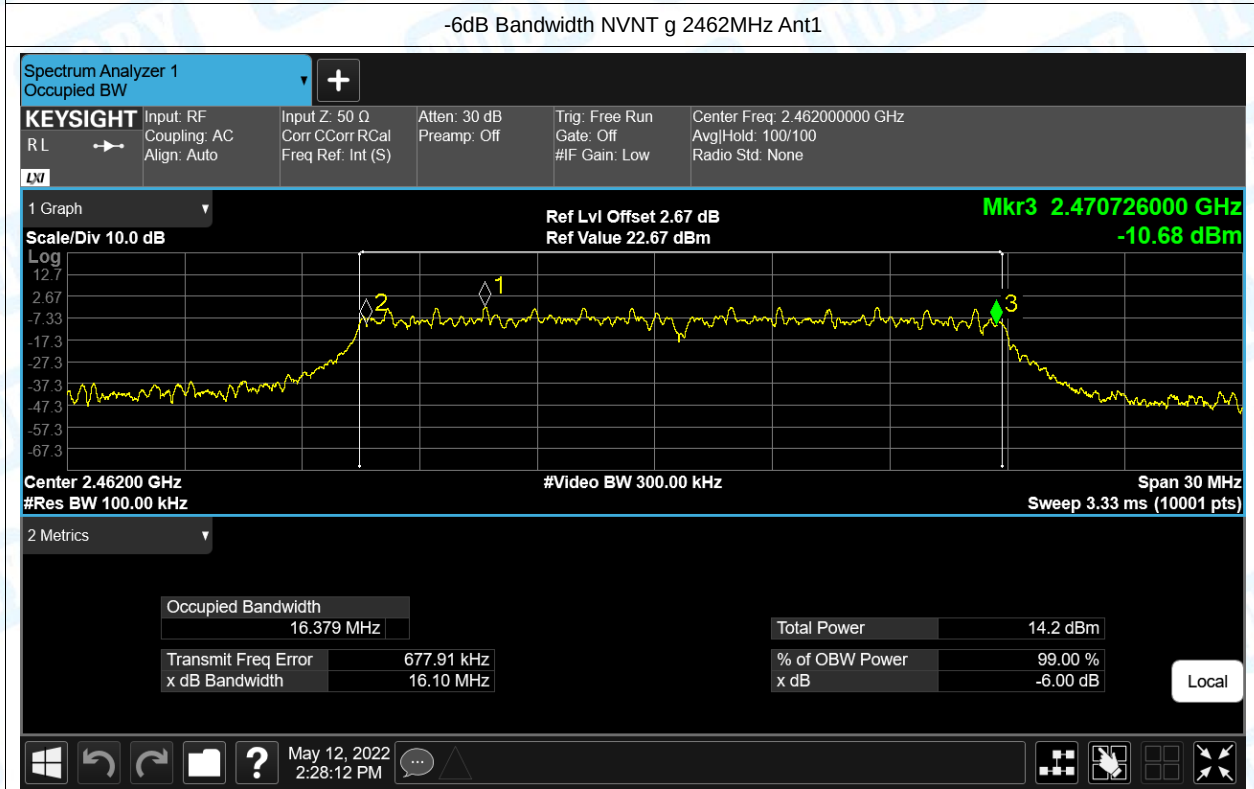
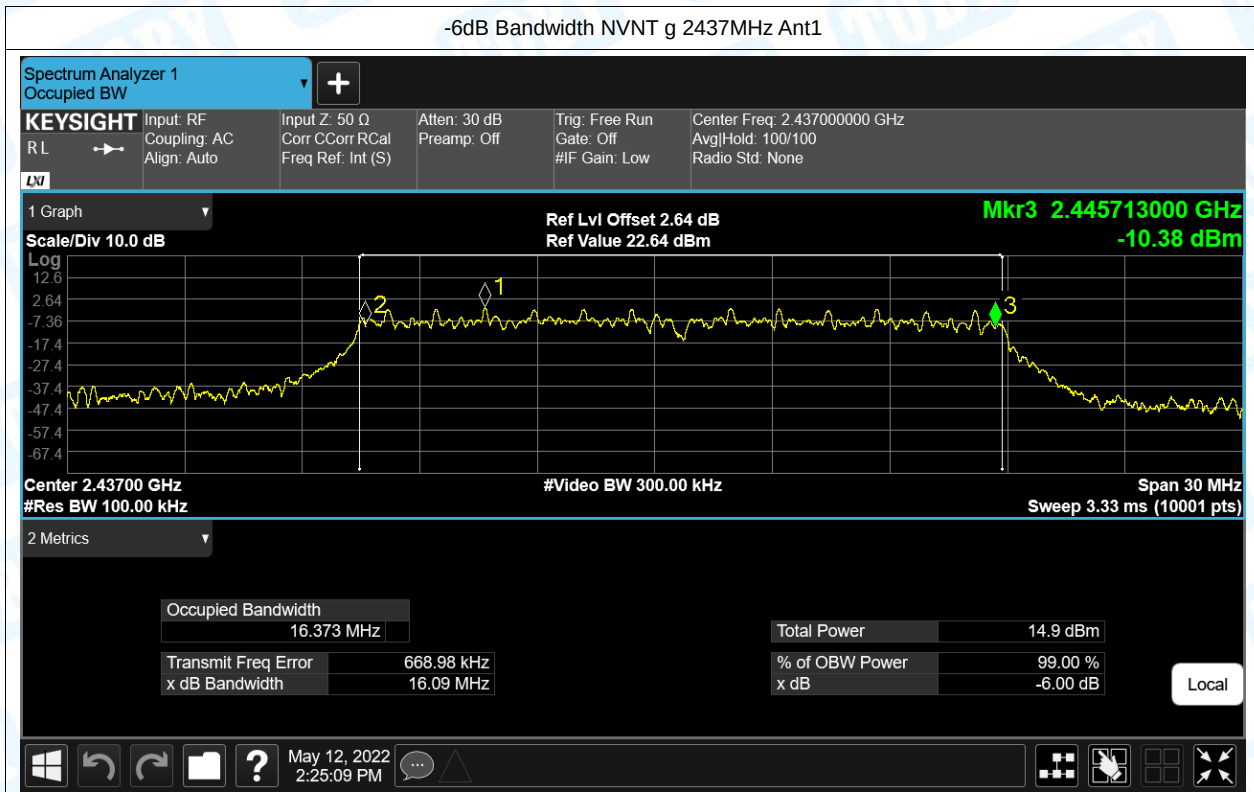


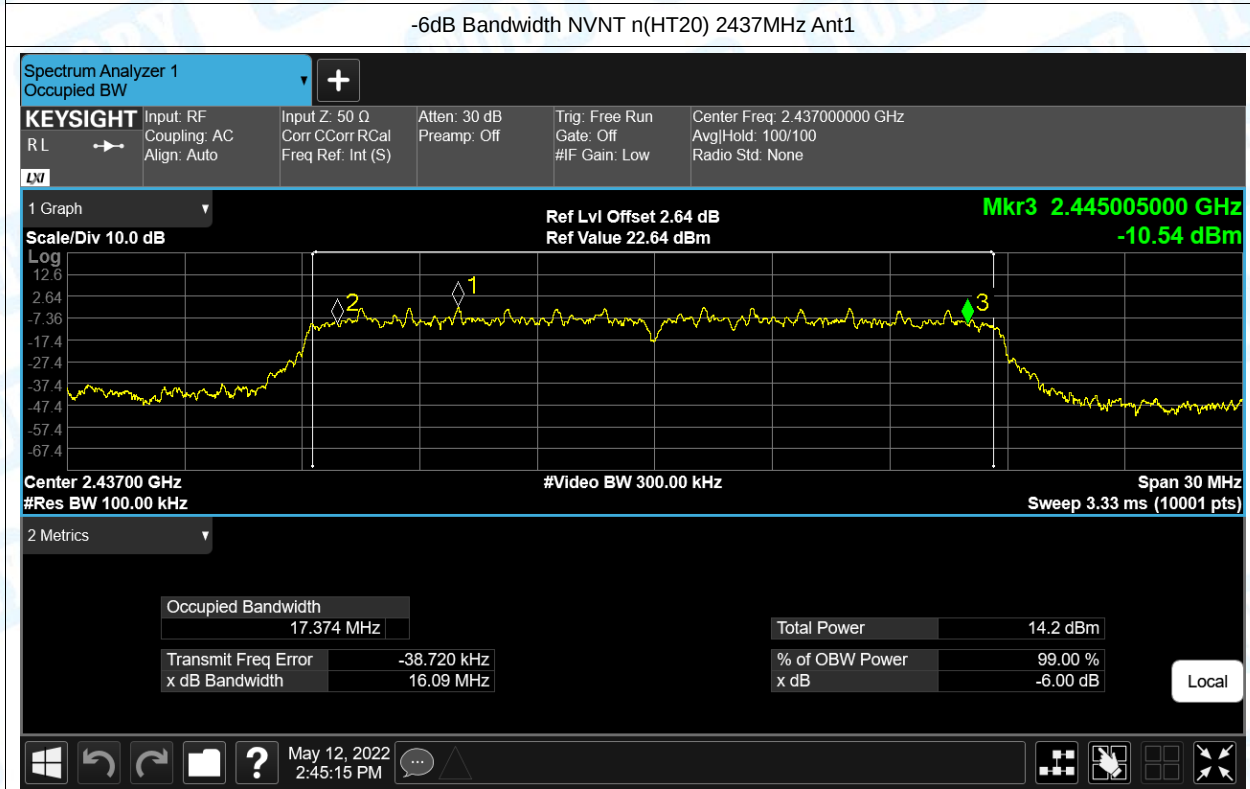
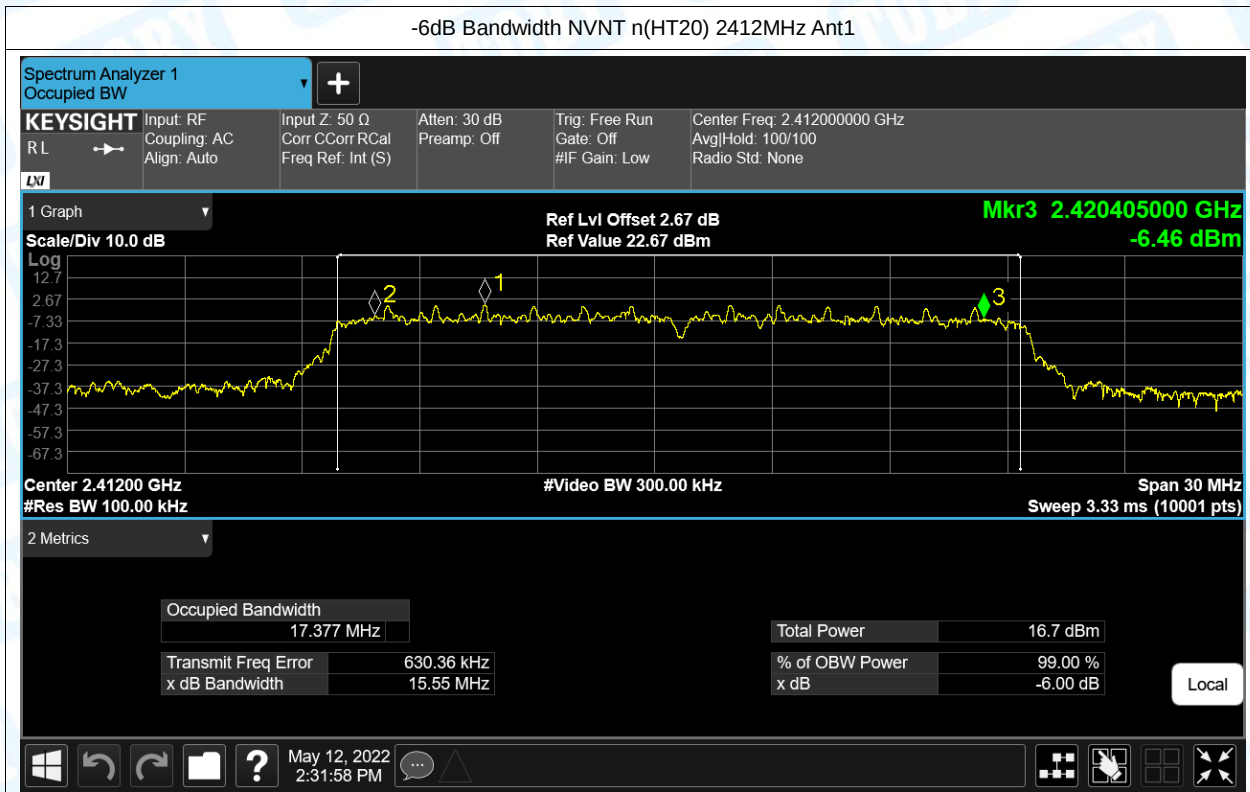
-6dB Bandwidth NVNT b 2462MHz Ant1

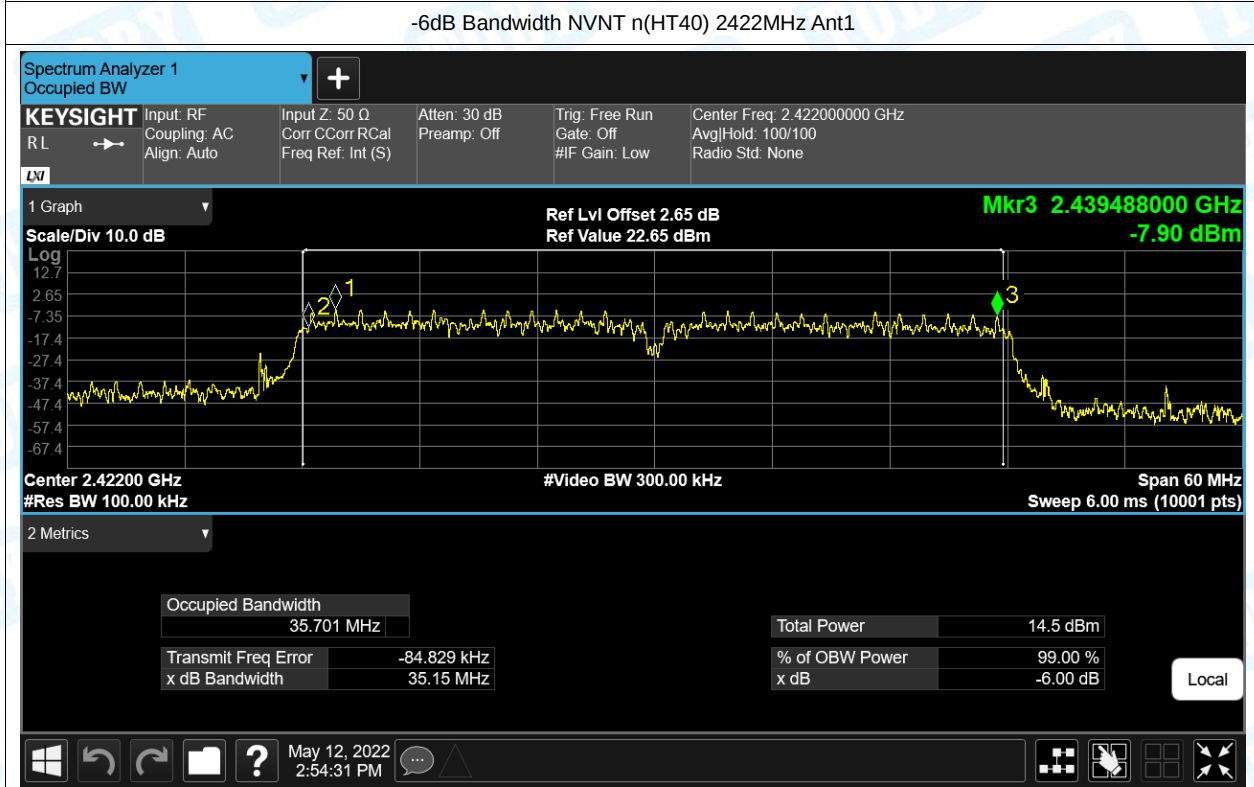
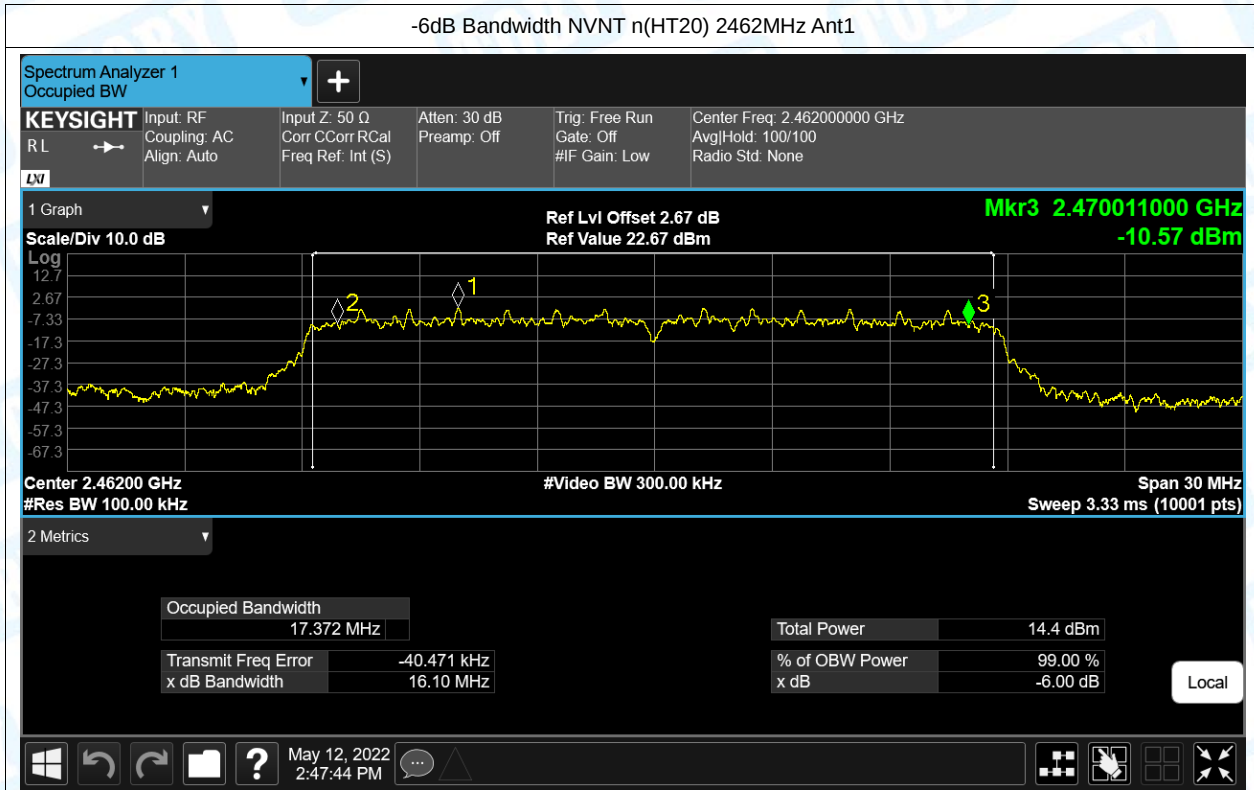


-6dB Bandwidth NVNT g 2412MHz Ant1

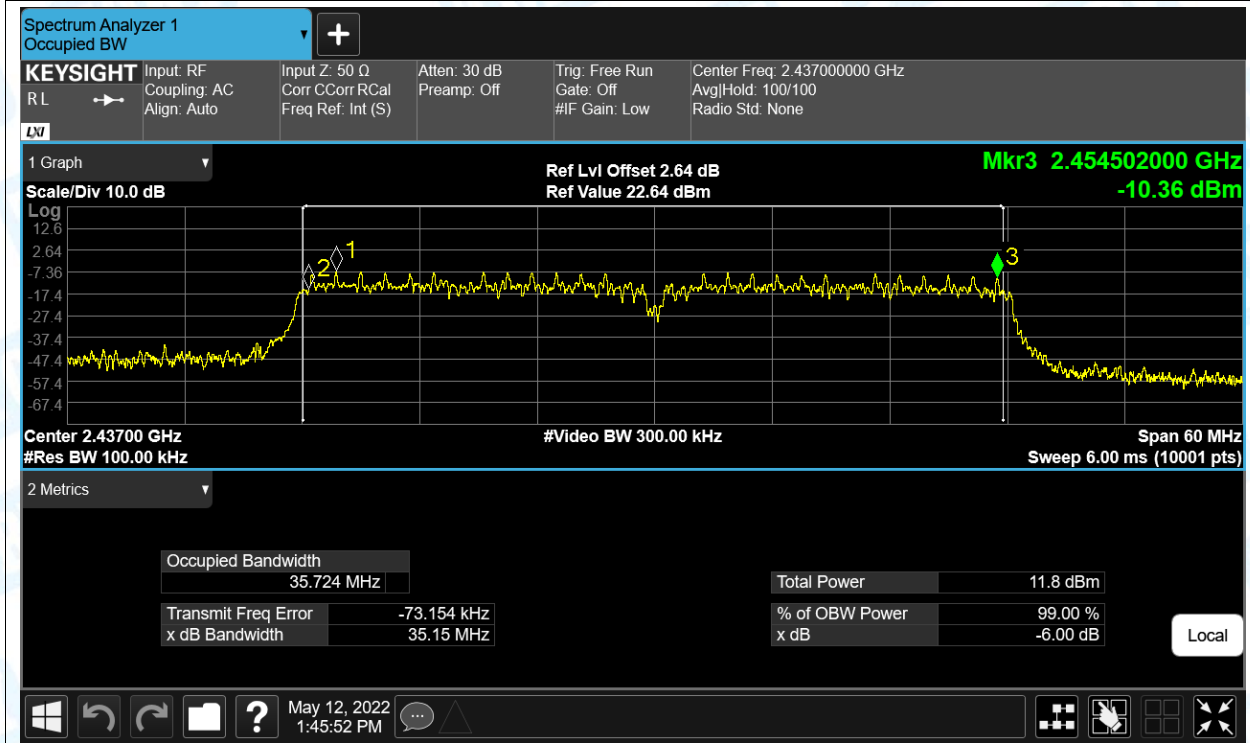




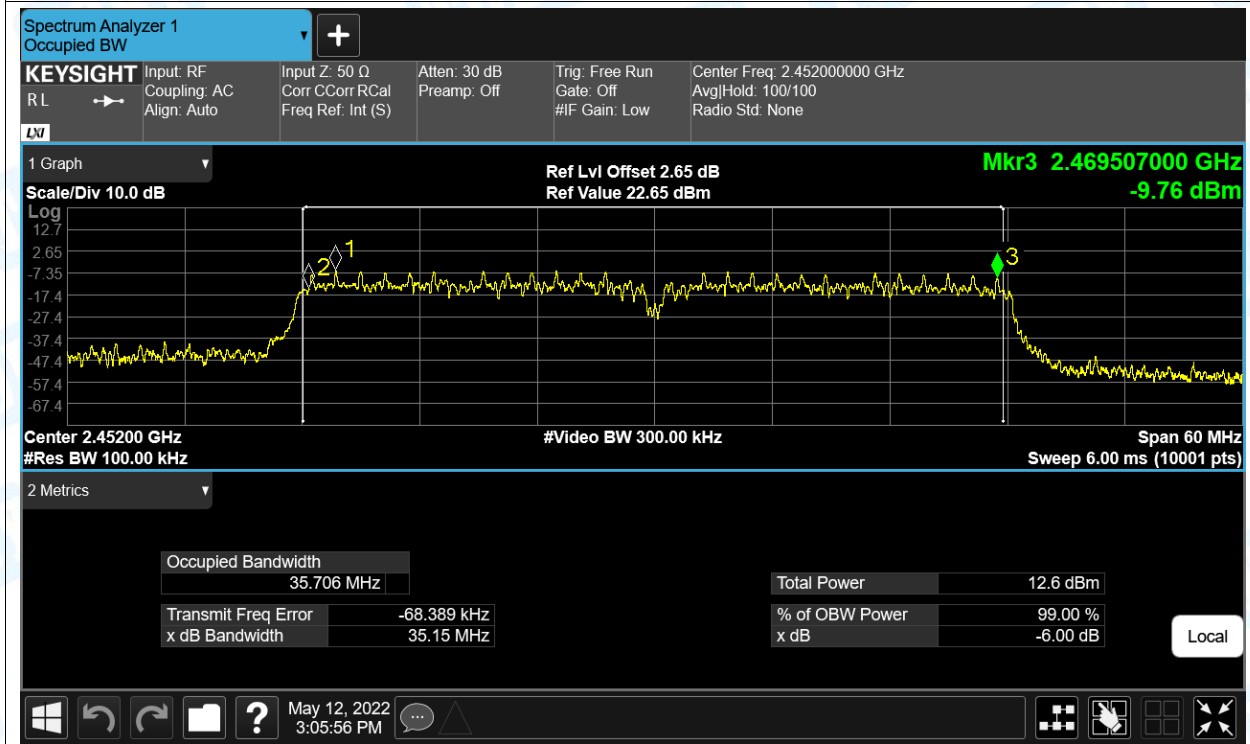




-6dB Bandwidth NVNT n(HT40) 2437MHz Ant1



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

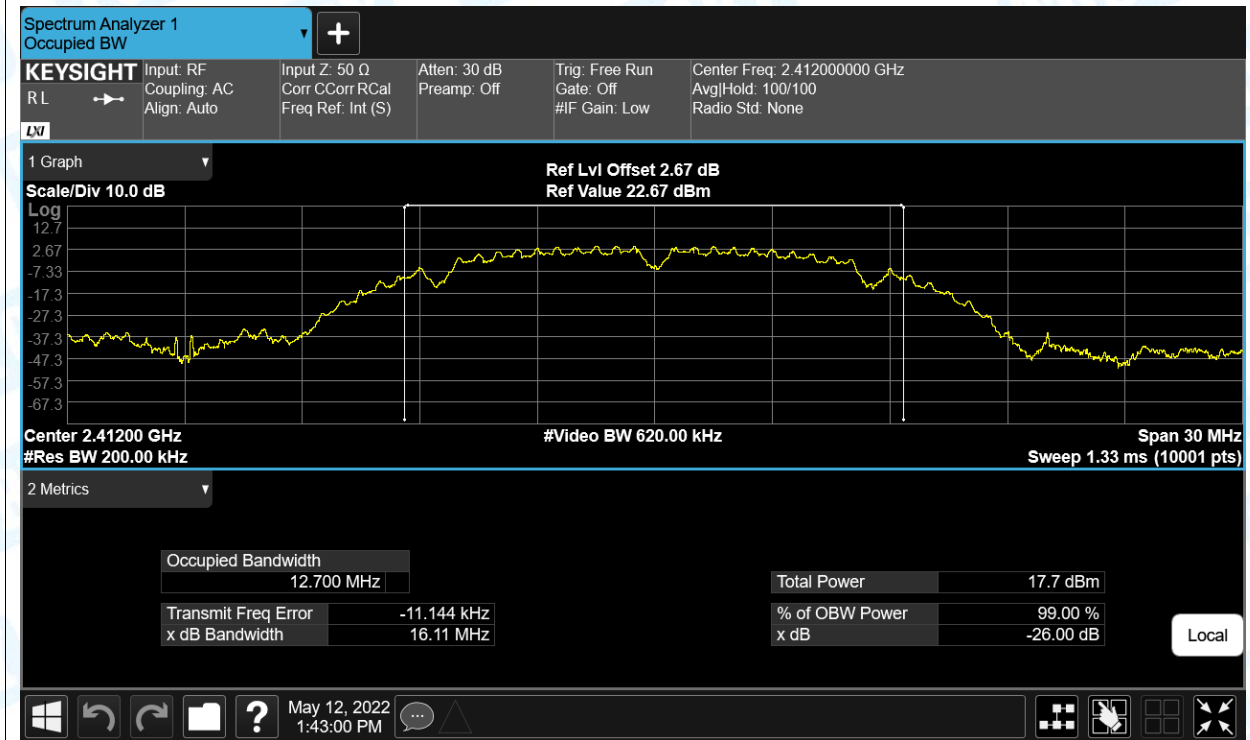


4. Occupied Channel Bandwidth

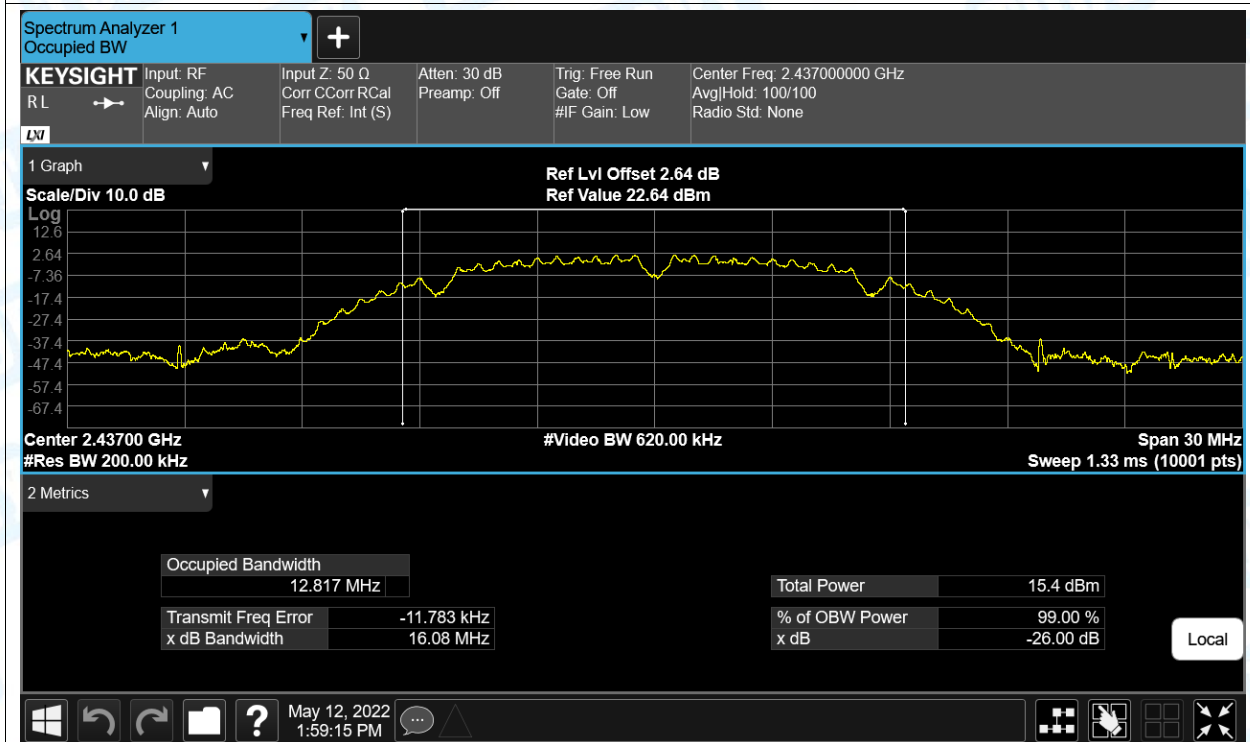
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	12.7
NVNT	b	2437	Ant1	12.817
NVNT	b	2462	Ant1	12.788
NVNT	g	2412	Ant1	16.513
NVNT	g	2437	Ant1	16.455
NVNT	g	2462	Ant1	16.465
NVNT	n(HT20)	2412	Ant1	17.379
NVNT	n(HT20)	2437	Ant1	17.36
NVNT	n(HT20)	2462	Ant1	17.367
NVNT	n(HT40)	2422	Ant1	35.865
NVNT	n(HT40)	2437	Ant1	35.685
NVNT	n(HT40)	2452	Ant1	35.86

Test Graphs

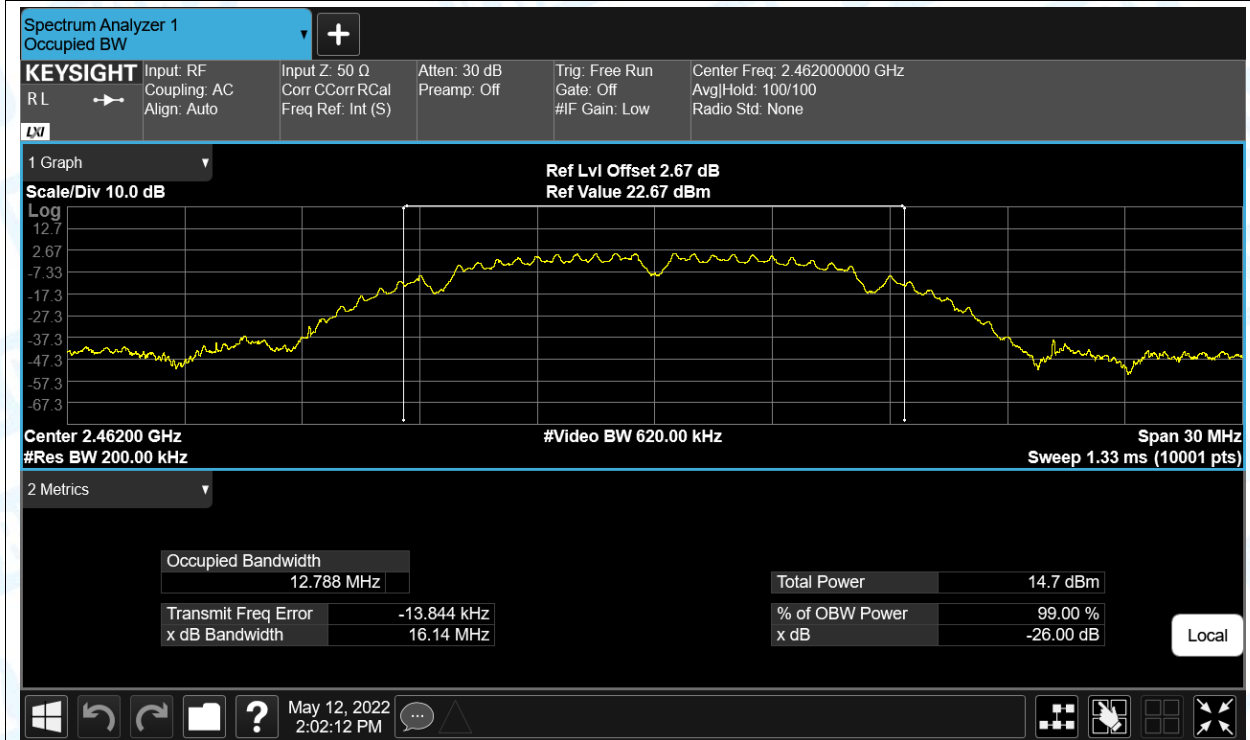
OBW NVNT b 2412MHz Ant1



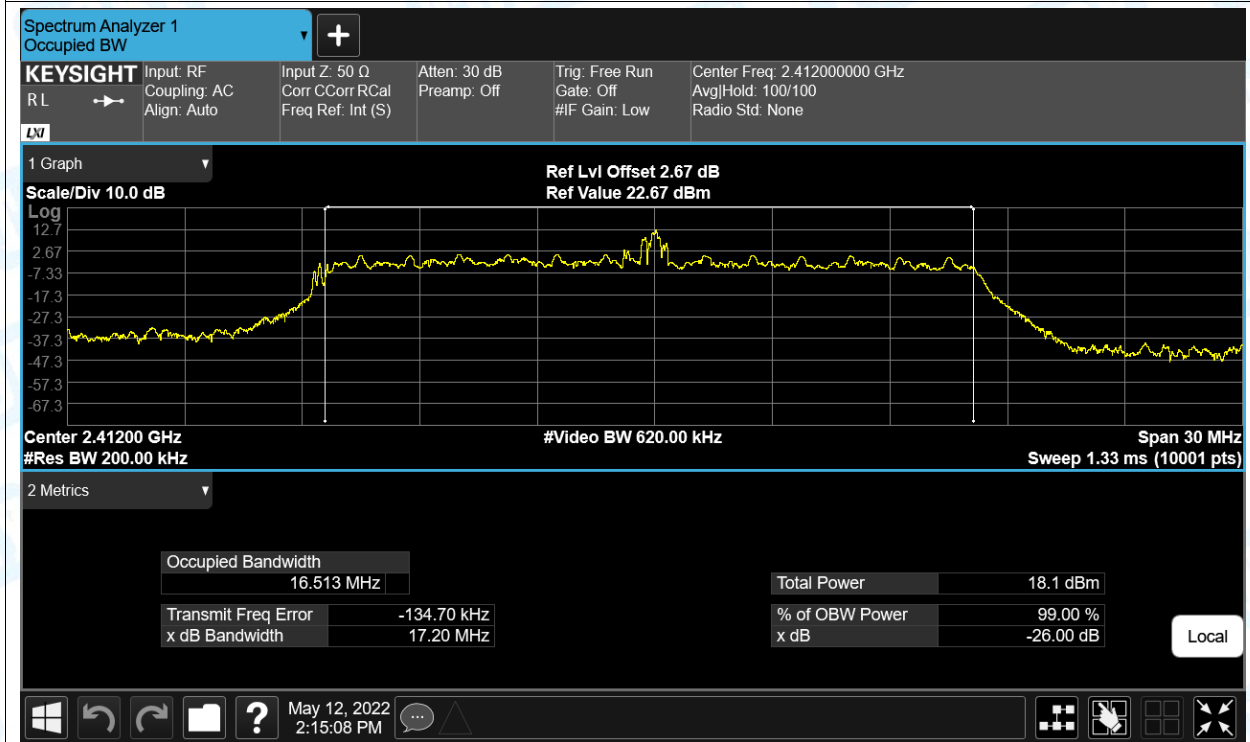
OBW NVNT b 2437MHz Ant1

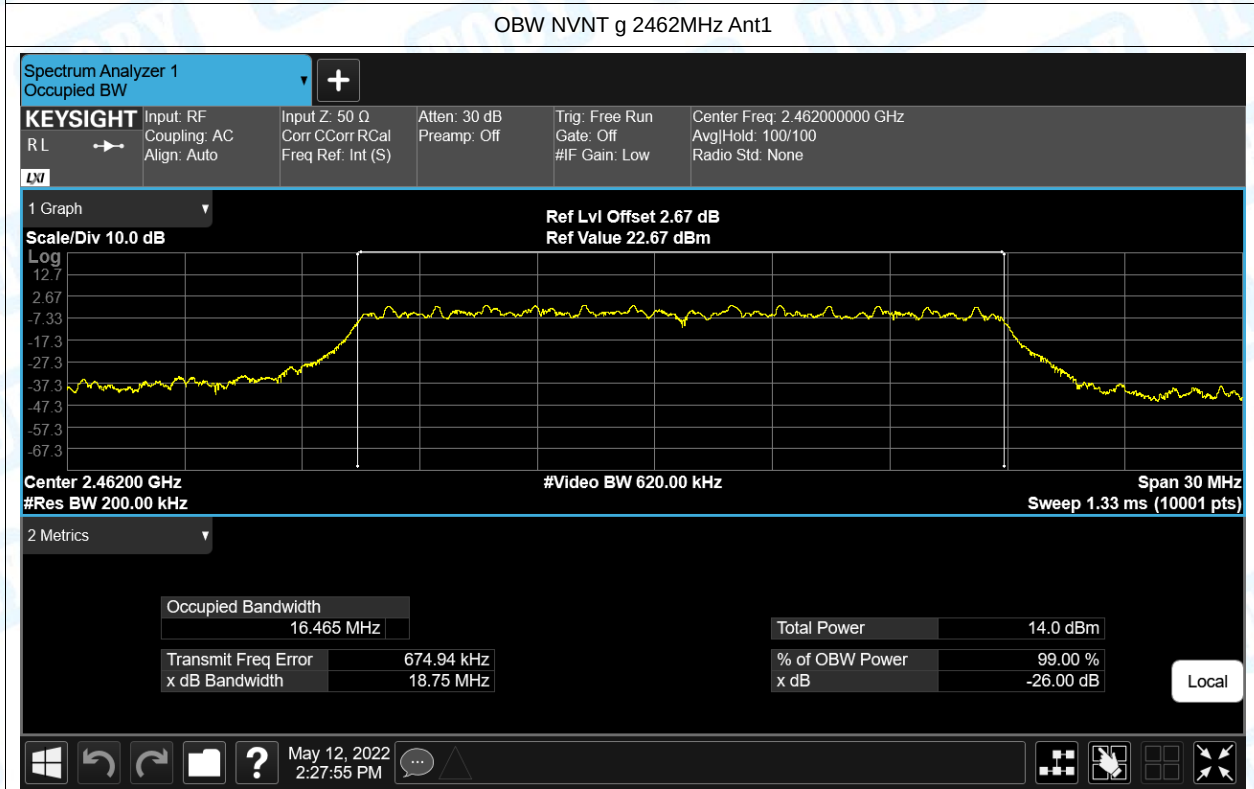
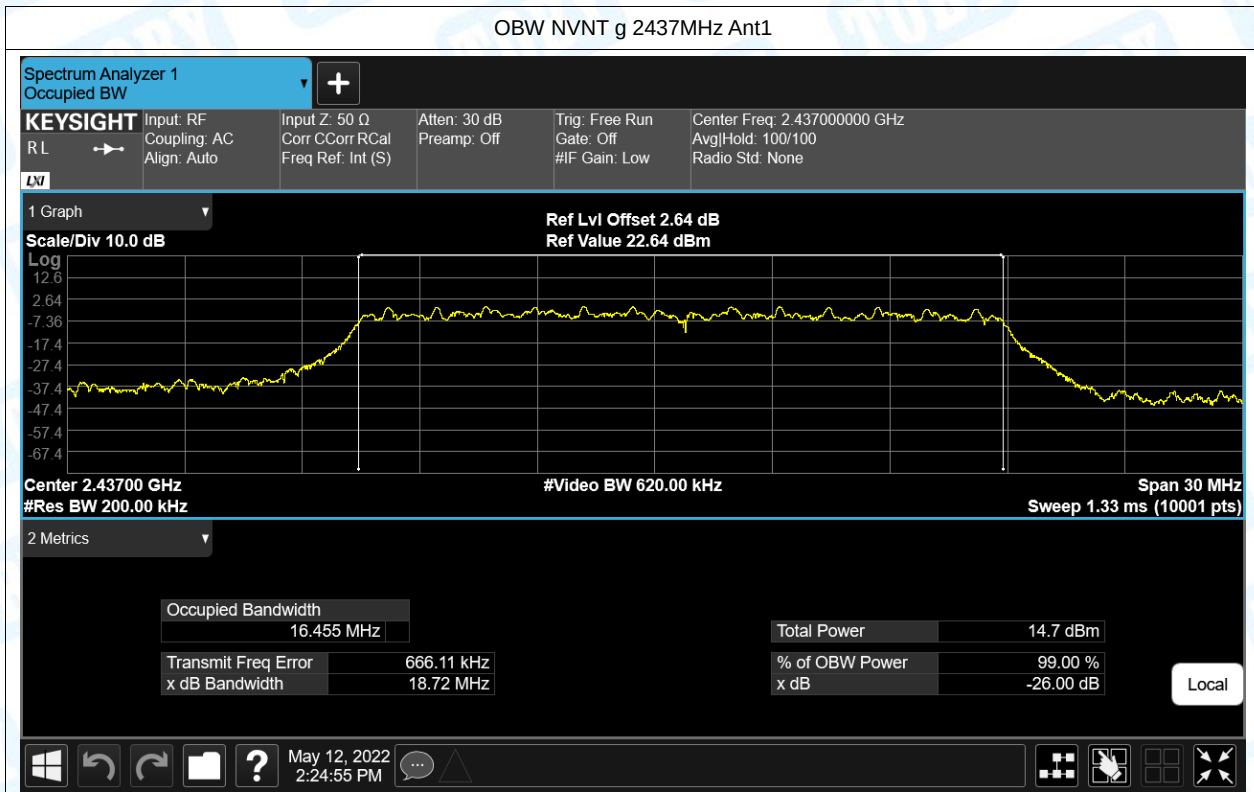


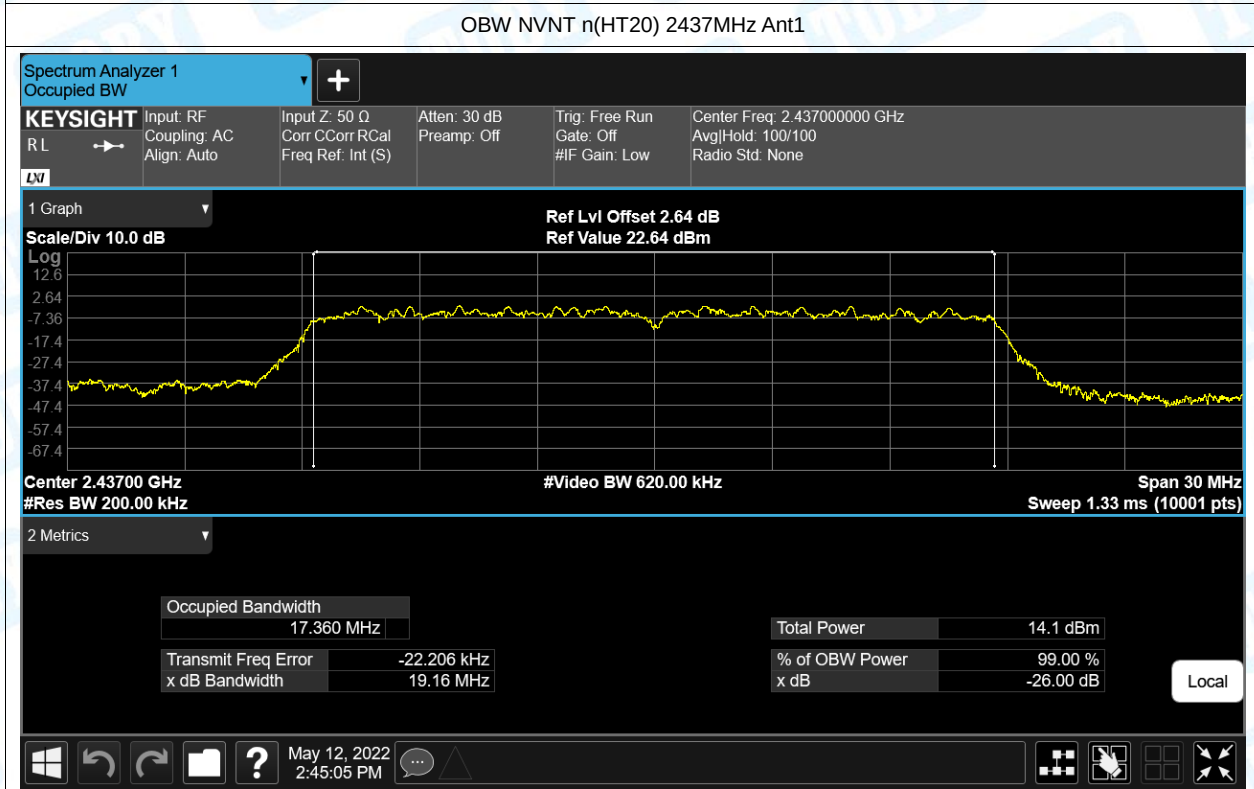
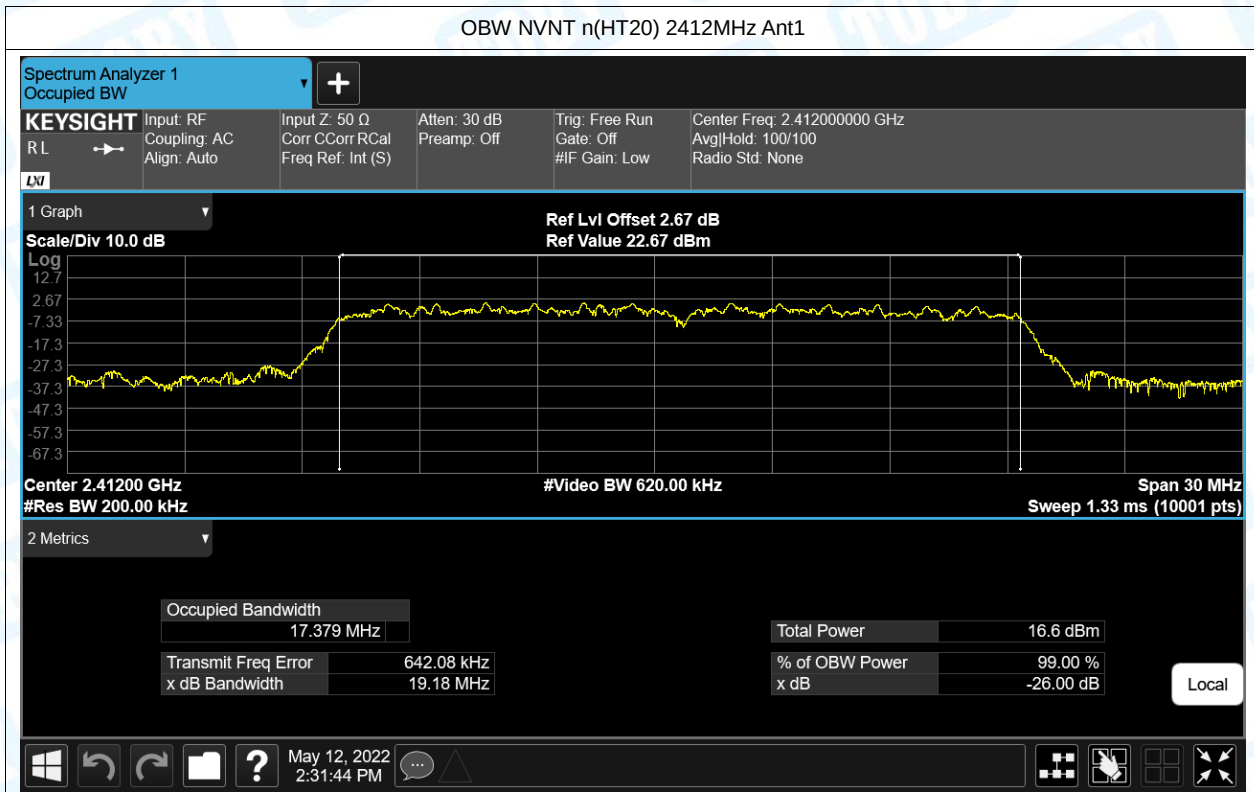
OBW NVNT b 2462MHz Ant1

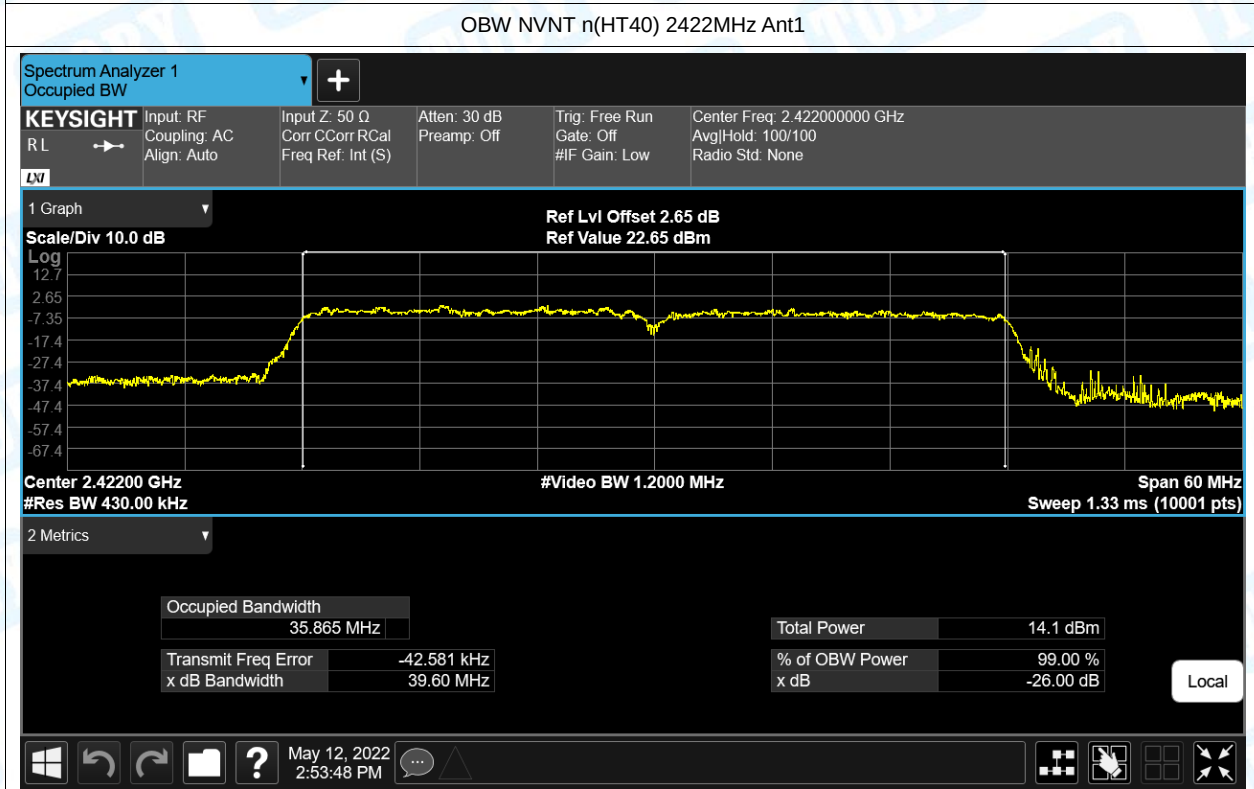
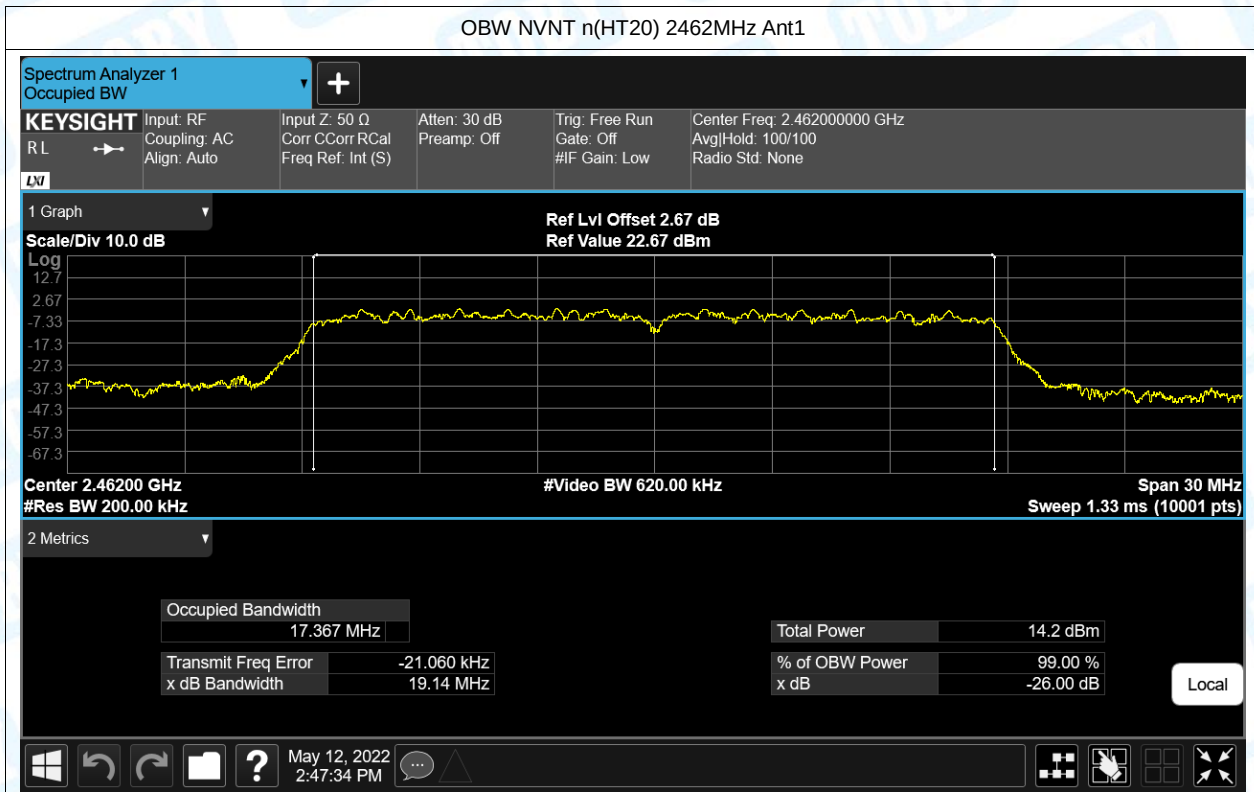


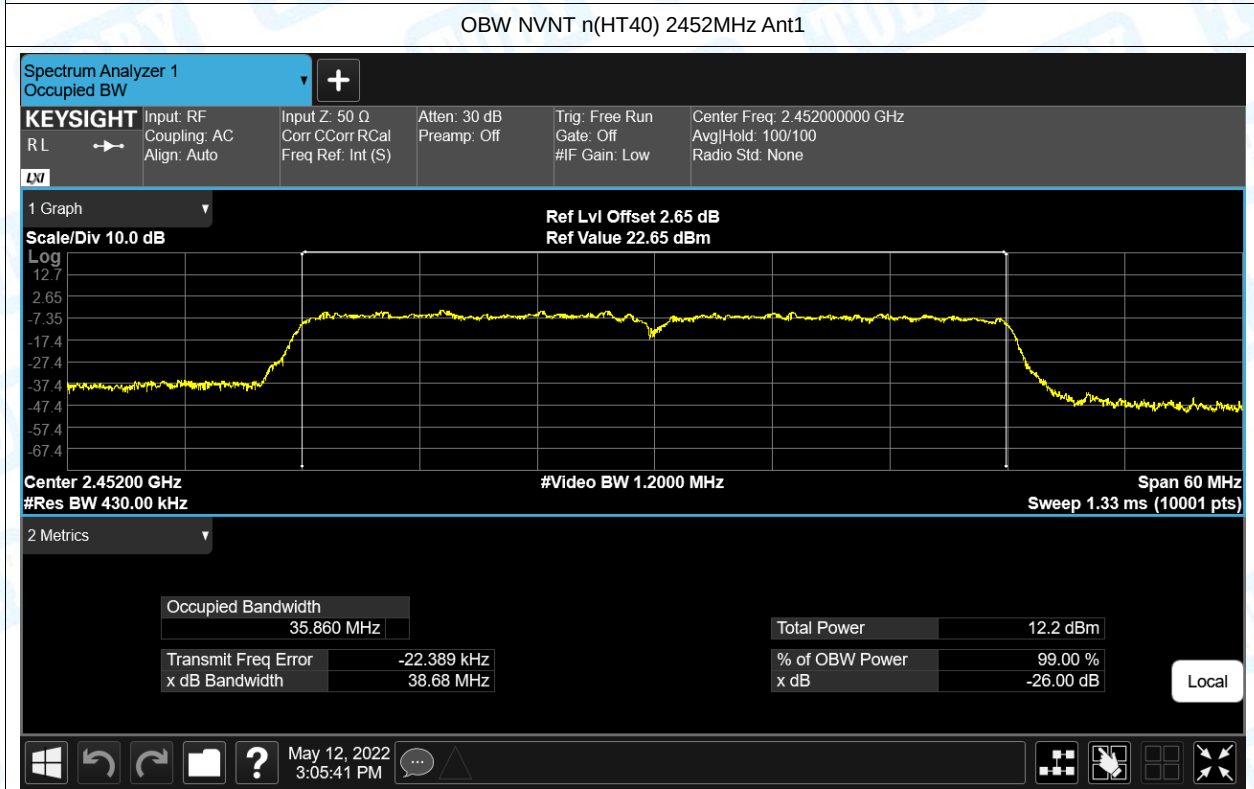
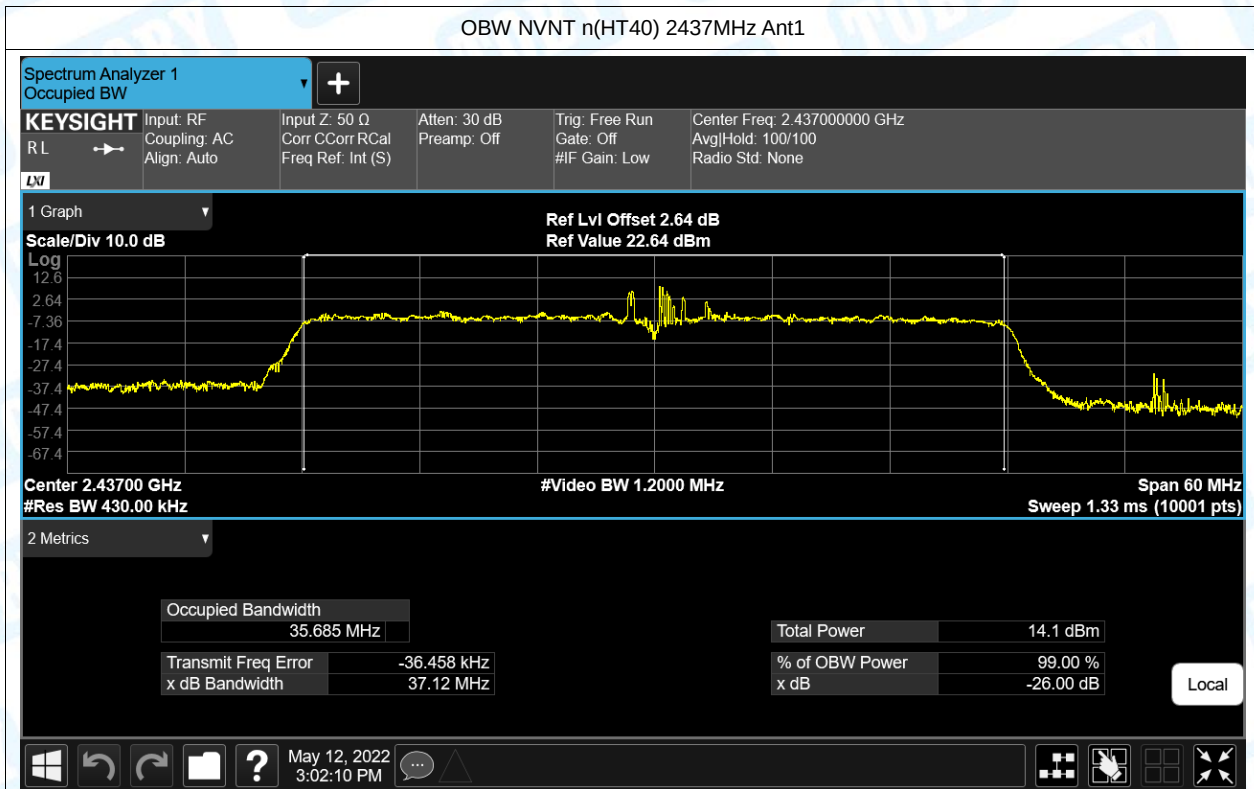
OBW NVNT g 2412MHz Ant1









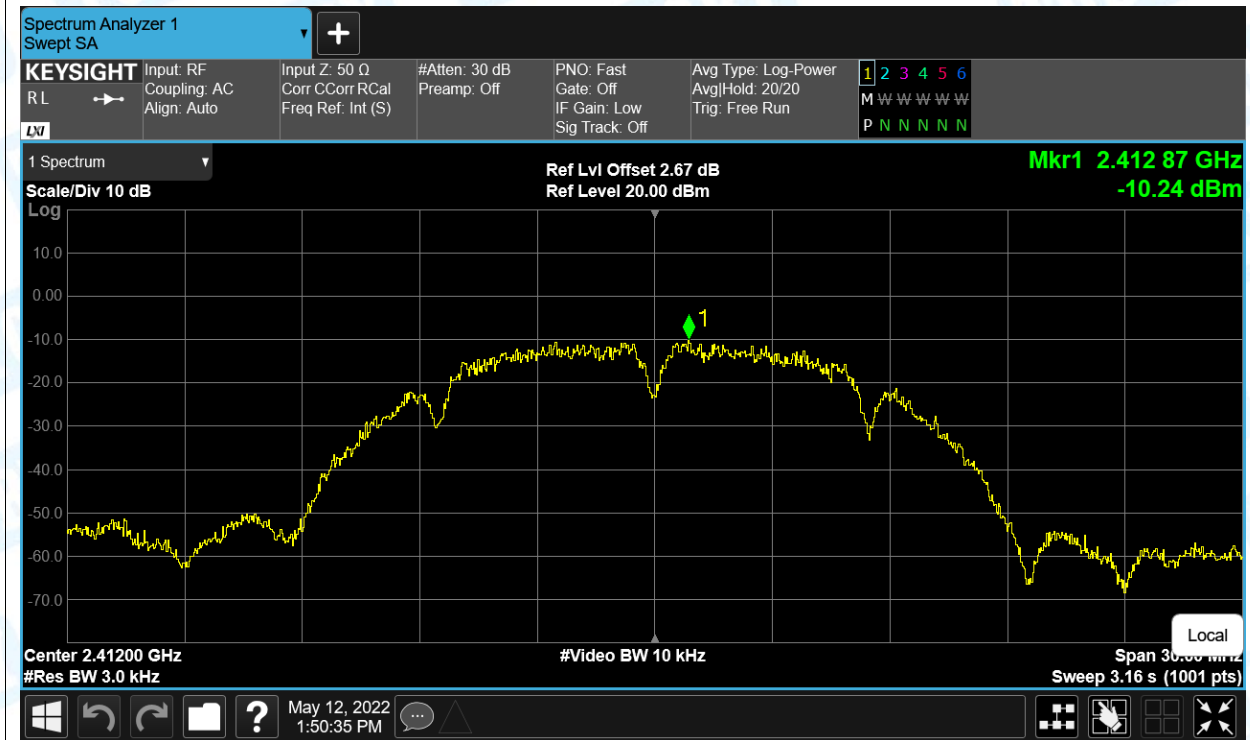


5. Maximum Power Spectral Density Level

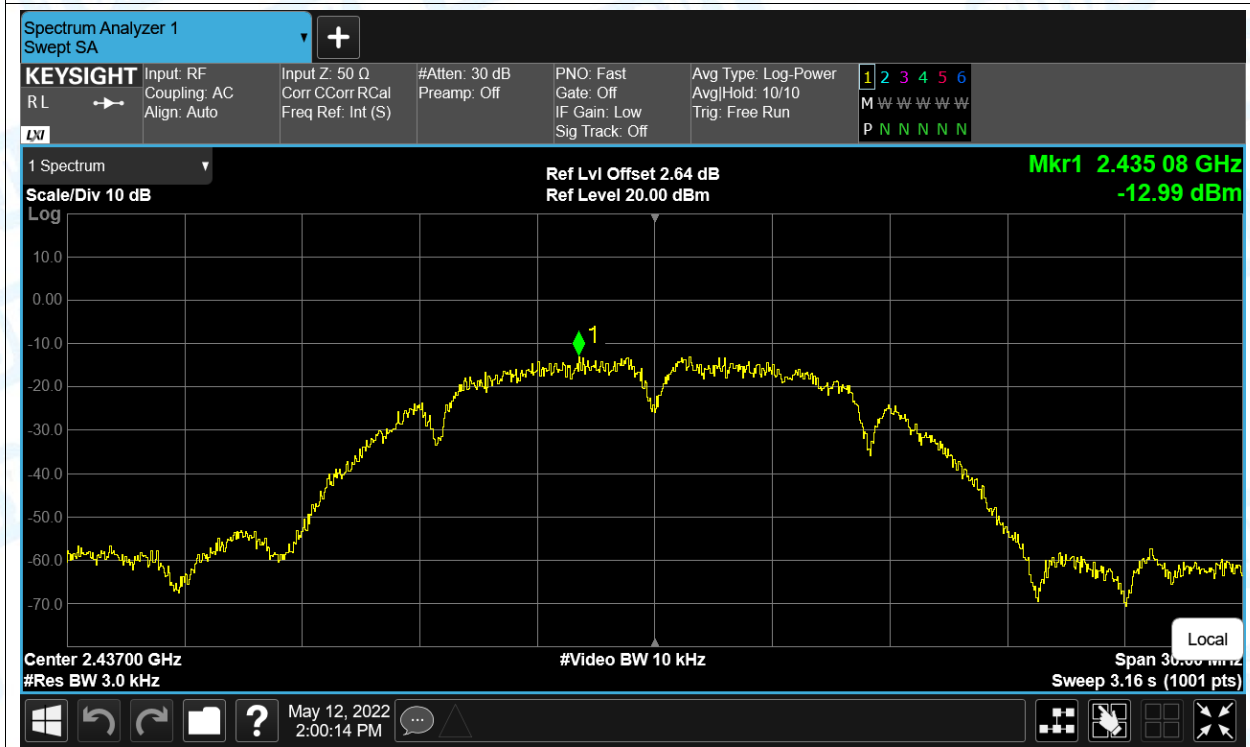
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-10.239	8	Pass
NVNT	b	2437	Ant1	-12.994	8	Pass
NVNT	b	2462	Ant1	-13.027	8	Pass
NVNT	g	2412	Ant1	-11.986	8	Pass
NVNT	g	2437	Ant1	-14.449	8	Pass
NVNT	g	2462	Ant1	-14.437	8	Pass
NVNT	n(HT20)	2412	Ant1	-12.341	8	Pass
NVNT	n(HT20)	2437	Ant1	-14.66	8	Pass
NVNT	n(HT20)	2462	Ant1	-14.261	8	Pass
NVNT	n(HT40)	2422	Ant1	-15.551	8	Pass
NVNT	n(HT40)	2437	Ant1	-12.178	8	Pass
NVNT	n(HT40)	2452	Ant1	-17.649	8	Pass

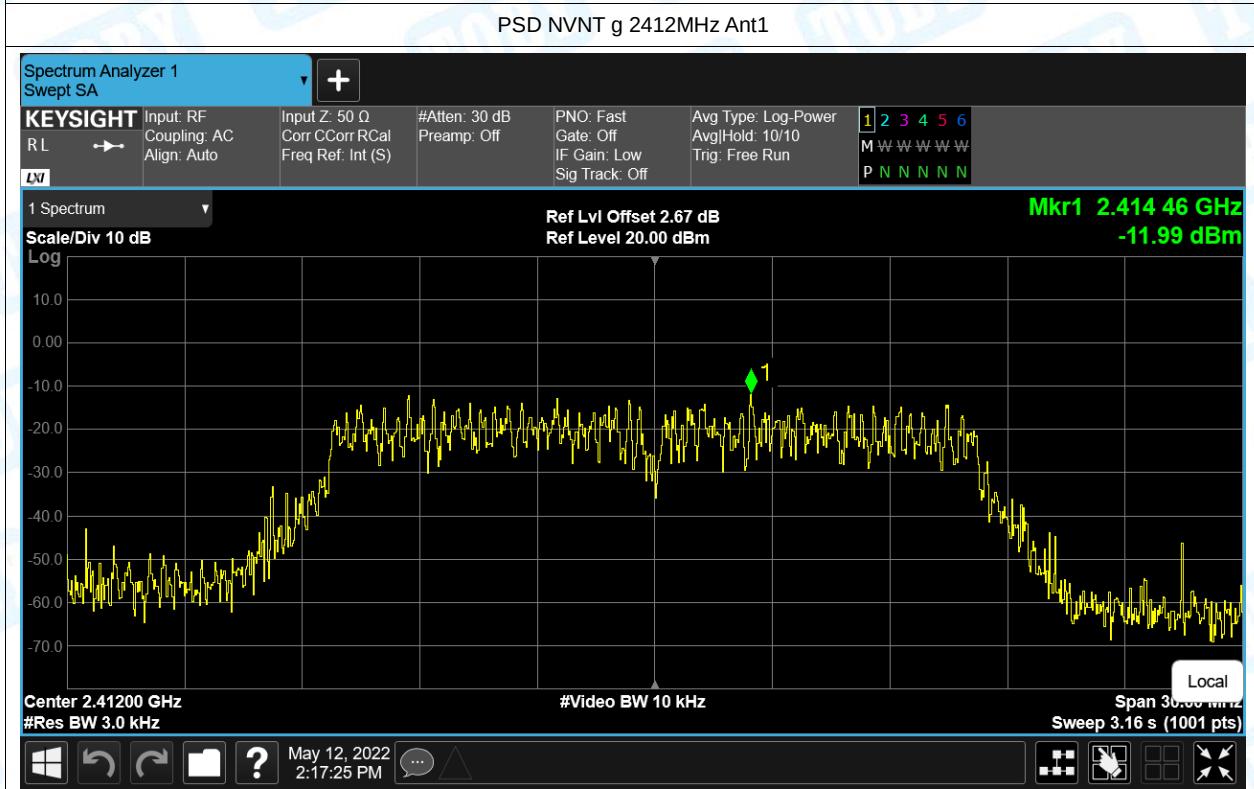
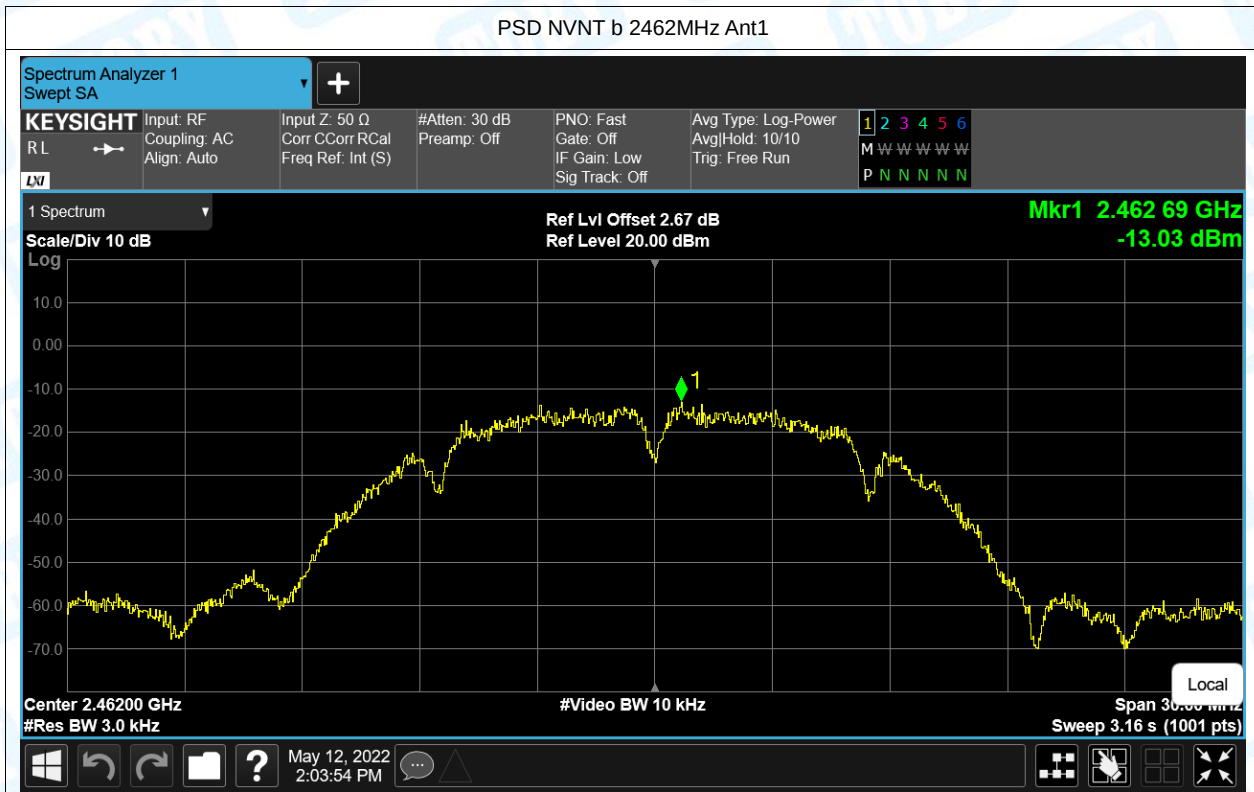
Test Graphs

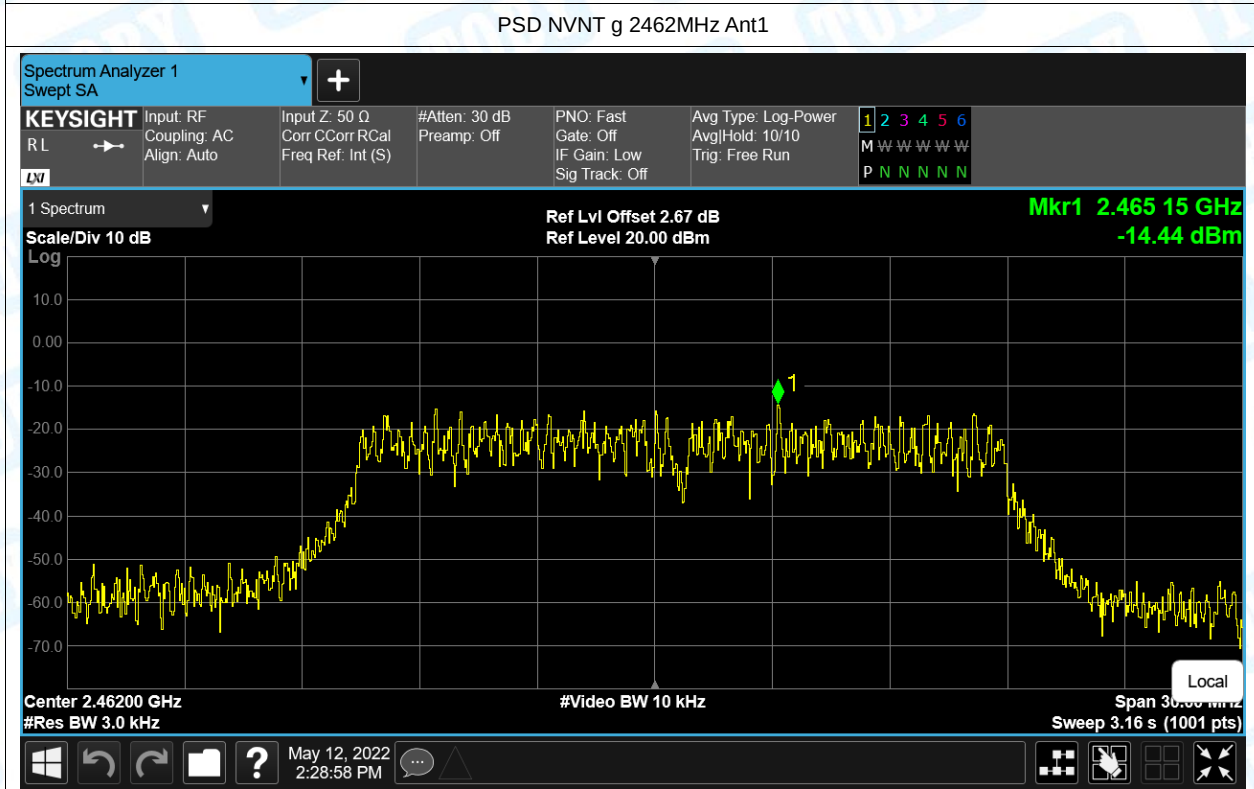
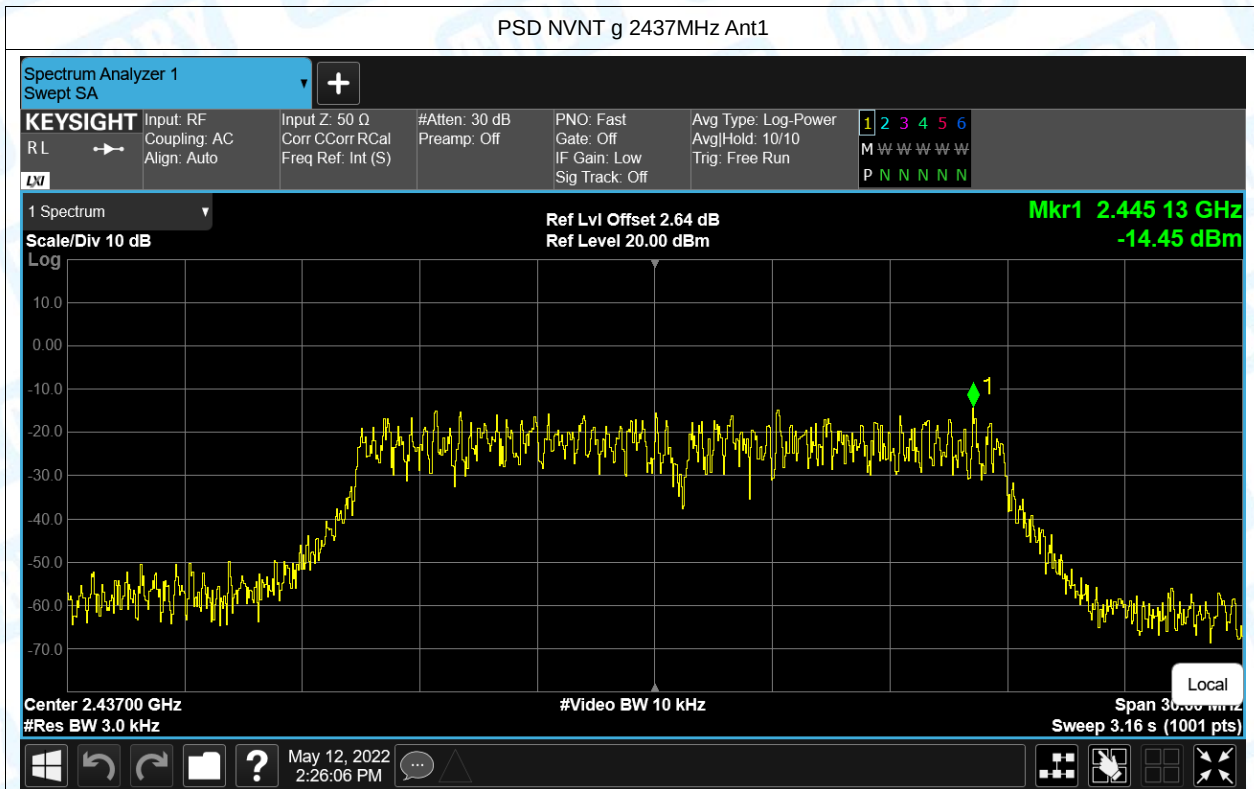
PSD NVNT b 2412MHz Ant1

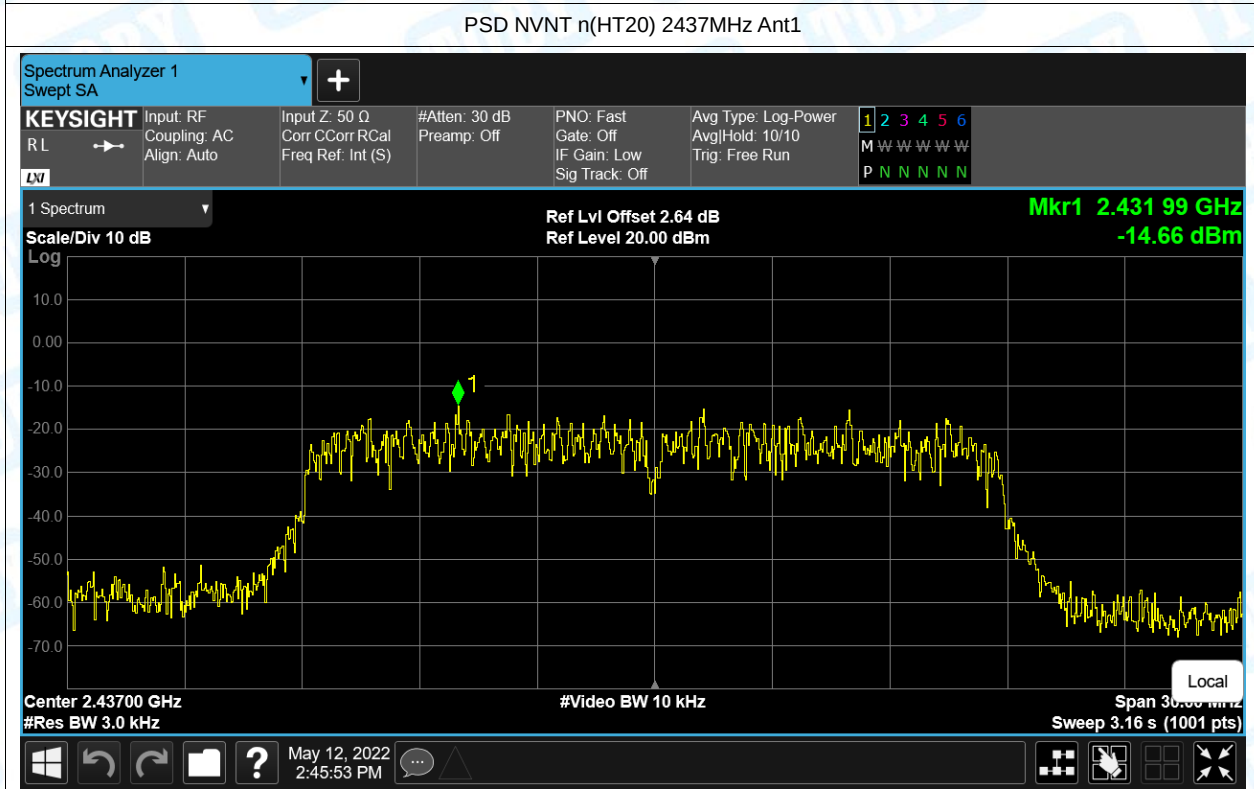
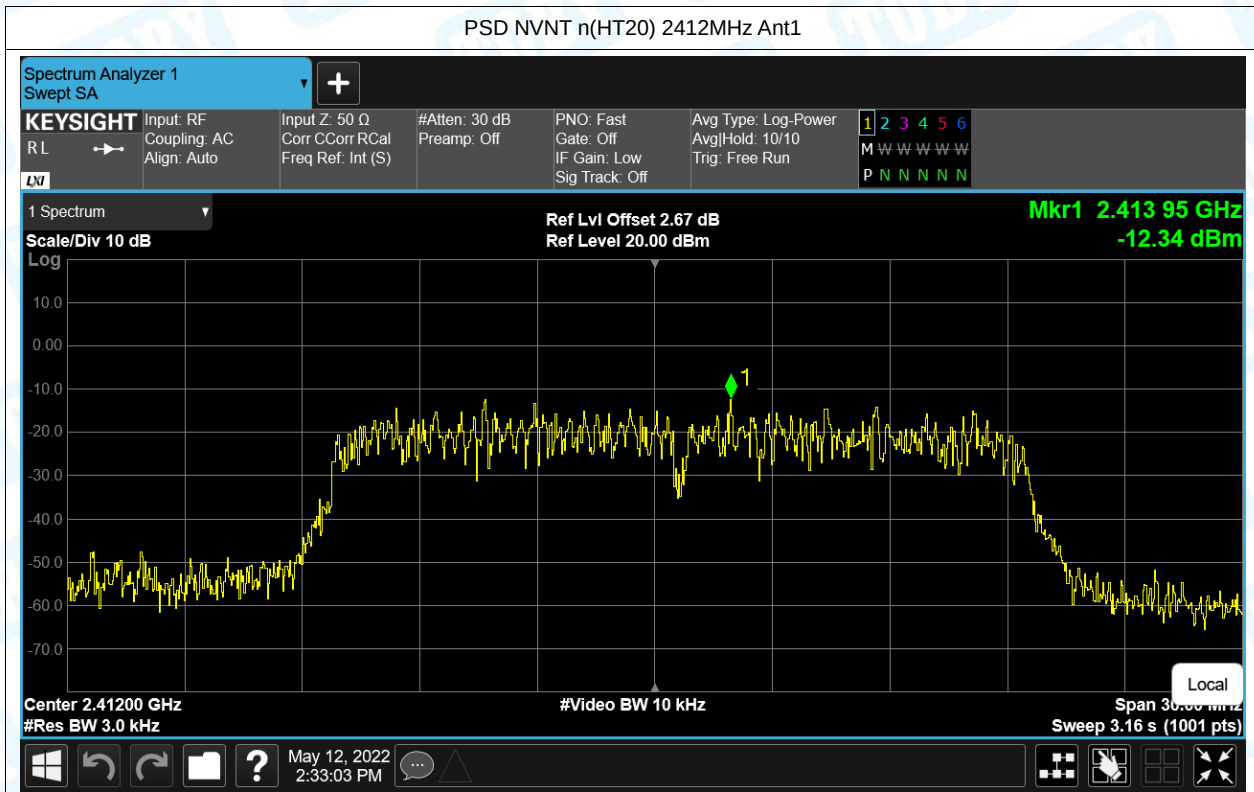


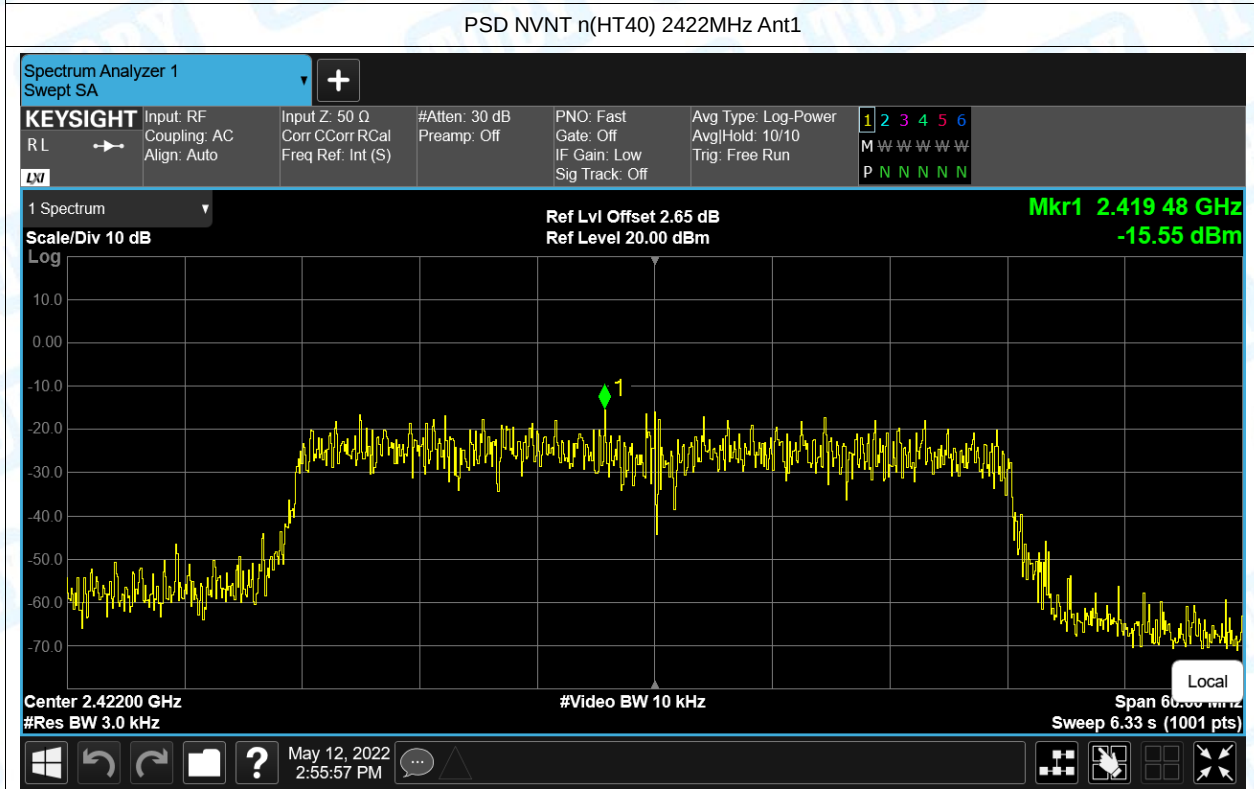
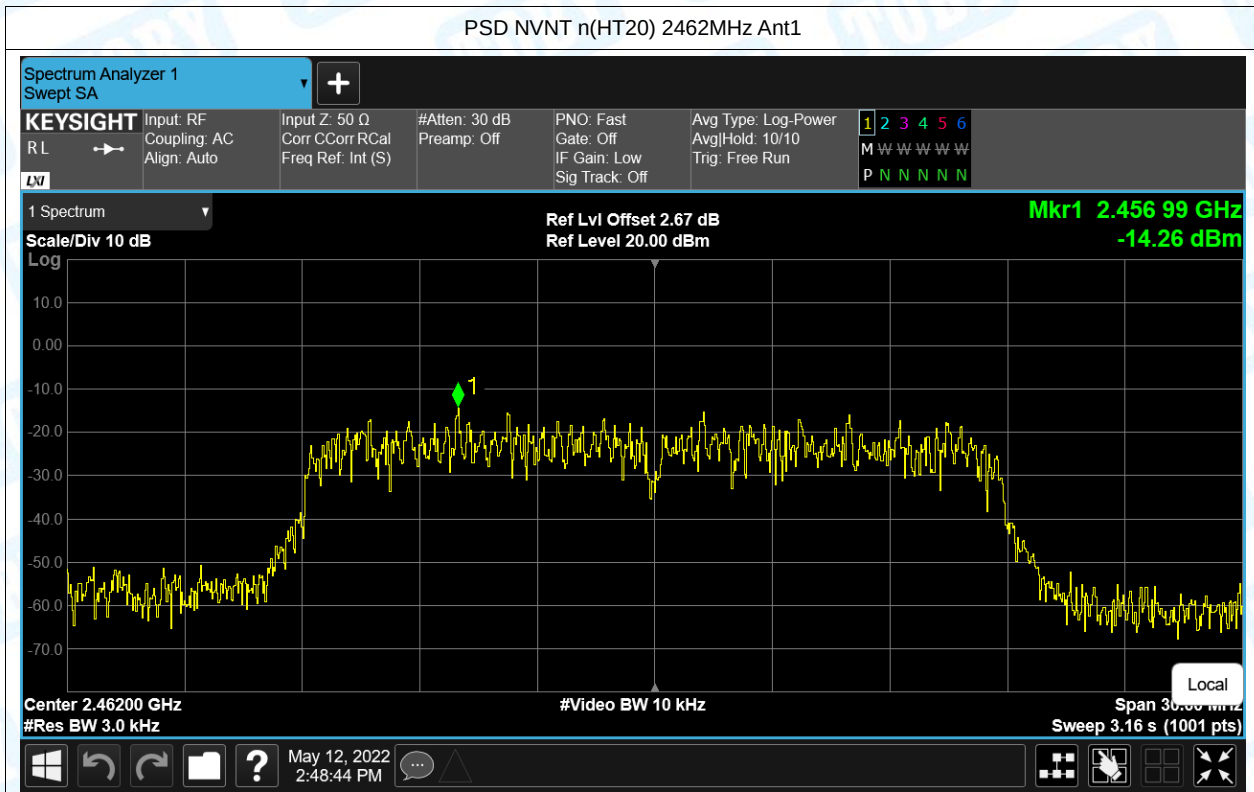
PSD NVNT b 2437MHz Ant1

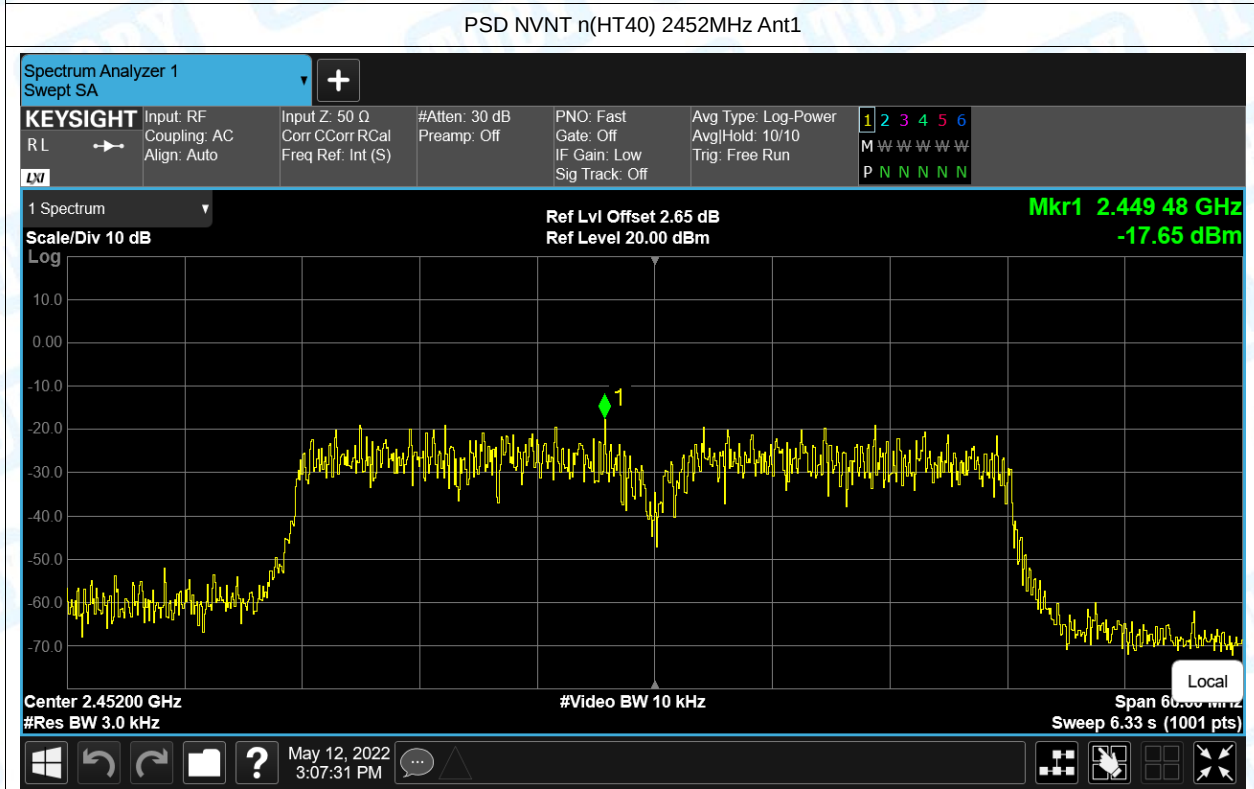
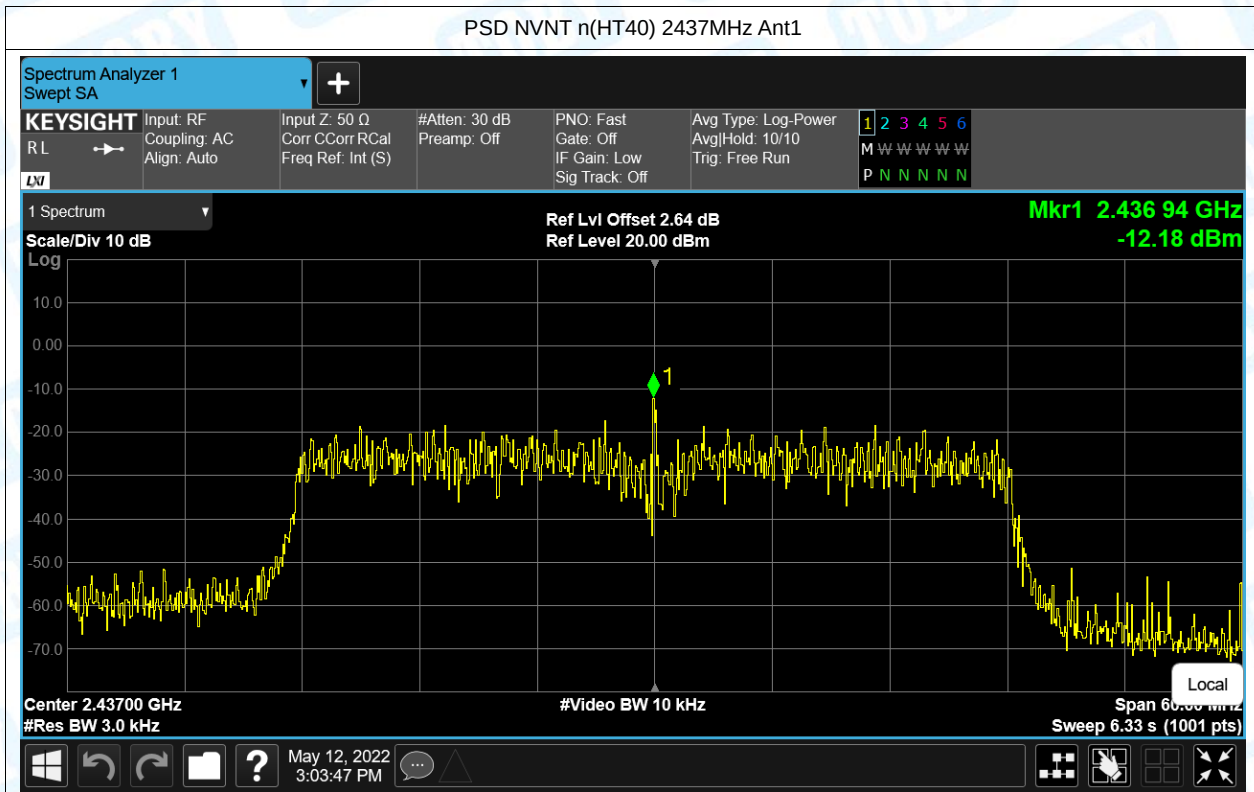






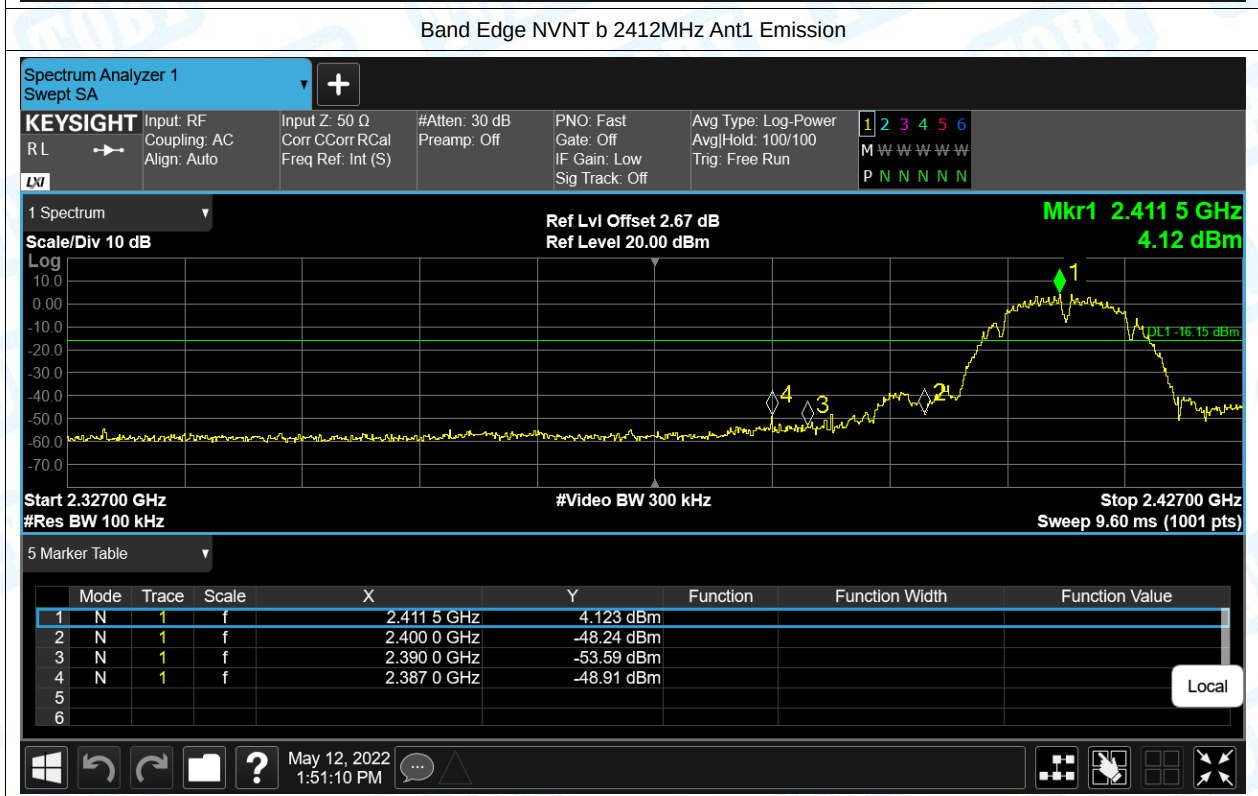




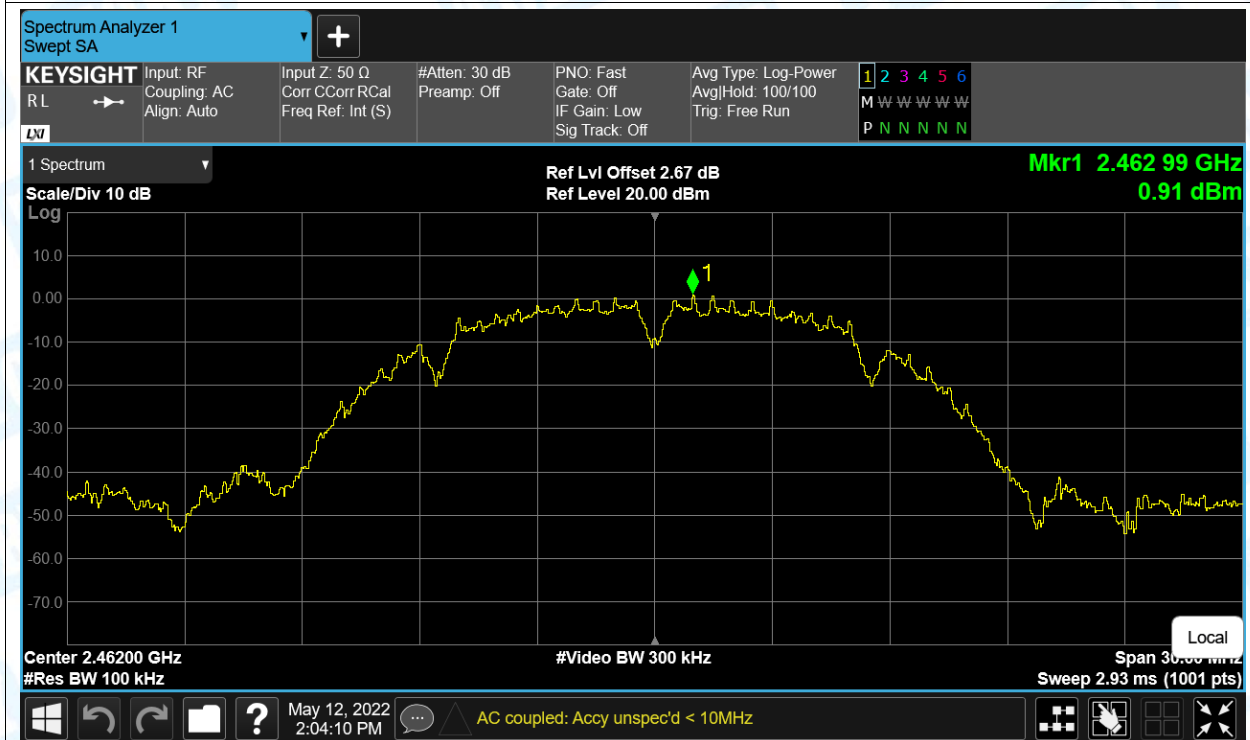


6. Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-52.76	-20	Pass
NVNT	b	2462	Ant1	-55.95	-20	Pass
NVNT	g	2412	Ant1	-45.15	-20	Pass
NVNT	g	2462	Ant1	-49.07	-20	Pass
NVNT	n(HT20)	2412	Ant1	-46.21	-20	Pass
NVNT	n(HT20)	2462	Ant1	-44	-20	Pass
NVNT	n(HT40)	2422	Ant1	-25.27	-20	Pass
NVNT	n(HT40)	2452	Ant1	-45.38	-20	Pass



Band Edge NVNT b 2462MHz Ant1 Ref



Band Edge NVNT b 2462MHz Ant1 Emission

