

RF Test Data for 2.4G WiFi (Conducted Measurements)

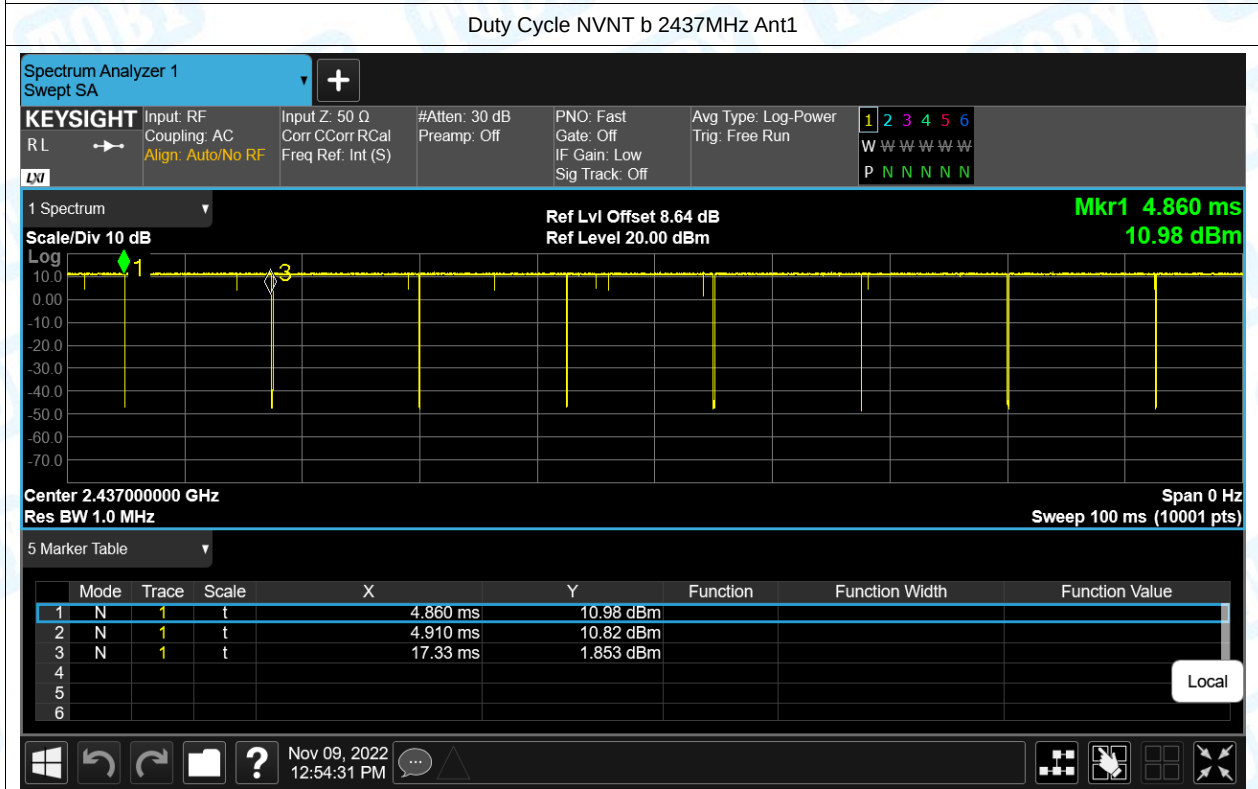
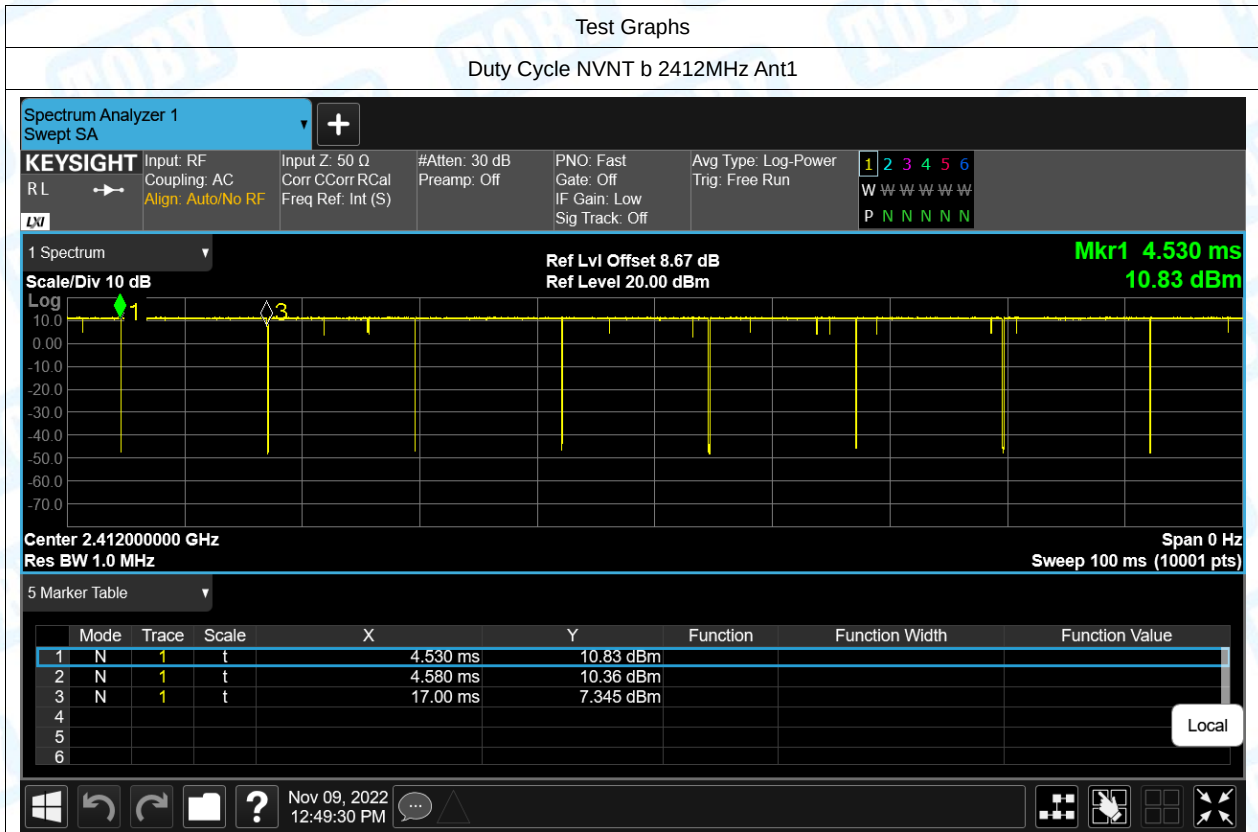
General Description of EUT	
Product Name:	Smart PTZ Camera
Test Model:	PT825
Sample ID:	202210-0069-6-2#
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 12V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202210-0069-9	

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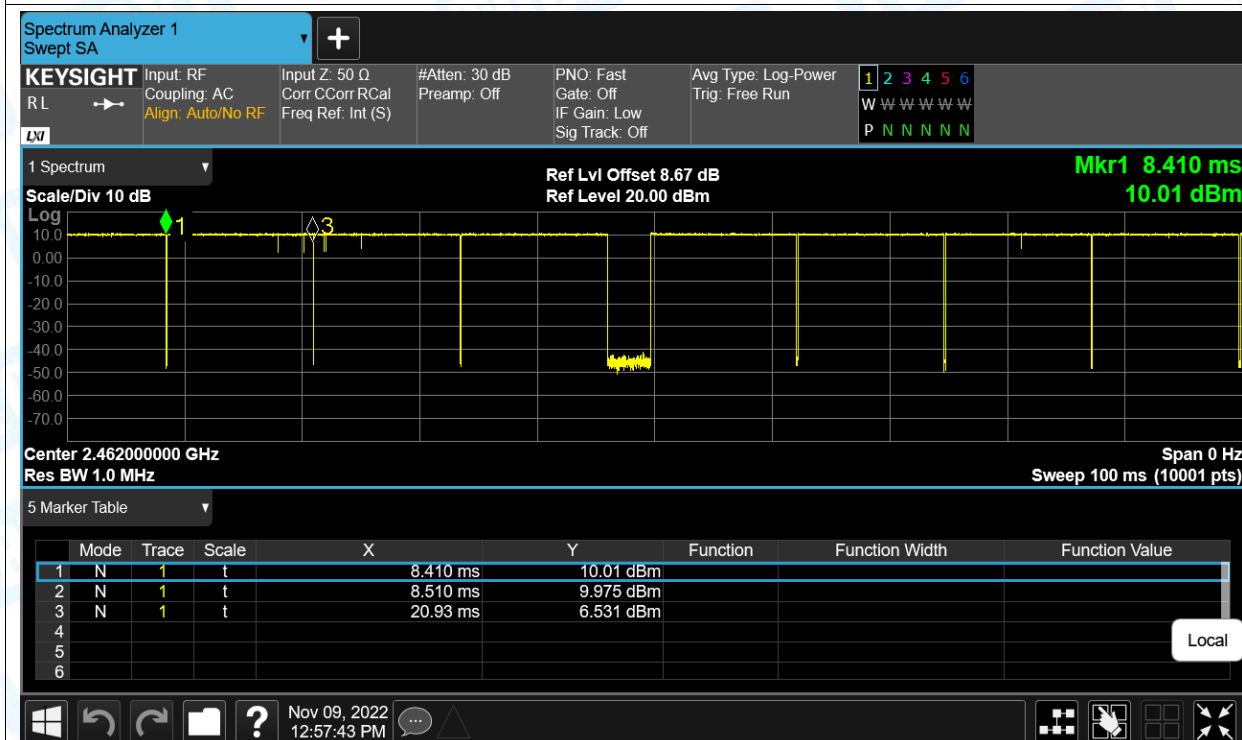
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1. Duty Cycle

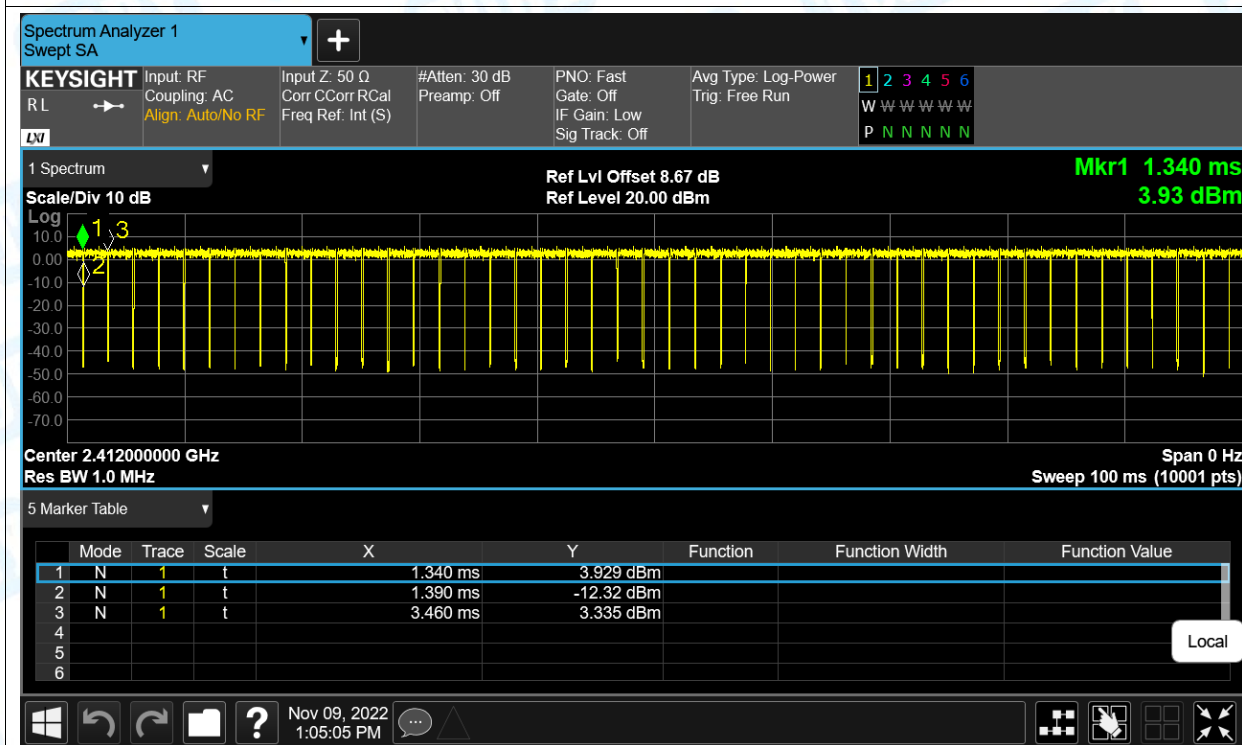
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.6	0.02	0.08
NVNT	b	2437	Ant1	99.6	0.02	0.08
NVNT	b	2462	Ant1	99.2	0.03	0.08
NVNT	g	2412	Ant1	97.64	0.1	0.48
NVNT	g	2437	Ant1	93.64	0.29	0.49
NVNT	g	2462	Ant1	94.52	0.24	0.48
NVNT	n(HT20)	2412	Ant1	96.5	0.15	0.52
NVNT	n(HT20)	2437	Ant1	94.12	0.26	0.52
NVNT	n(HT20)	2462	Ant1	98.46	0.07	0.52
NVNT	n(HT40)	2422	Ant1	89.62	0.48	1.05
NVNT	n(HT40)	2437	Ant1	85.59	0.68	1.05
NVNT	n(HT40)	2452	Ant1	94.06	0.27	1.05

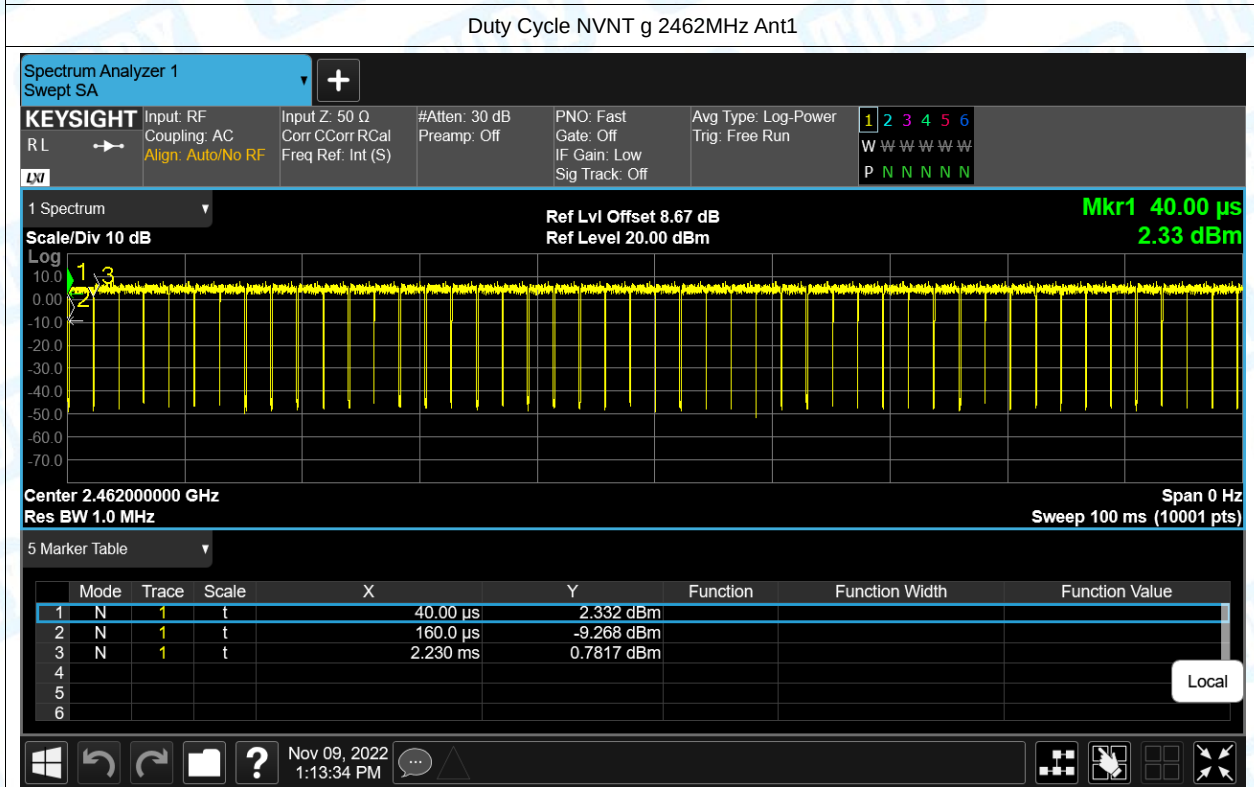
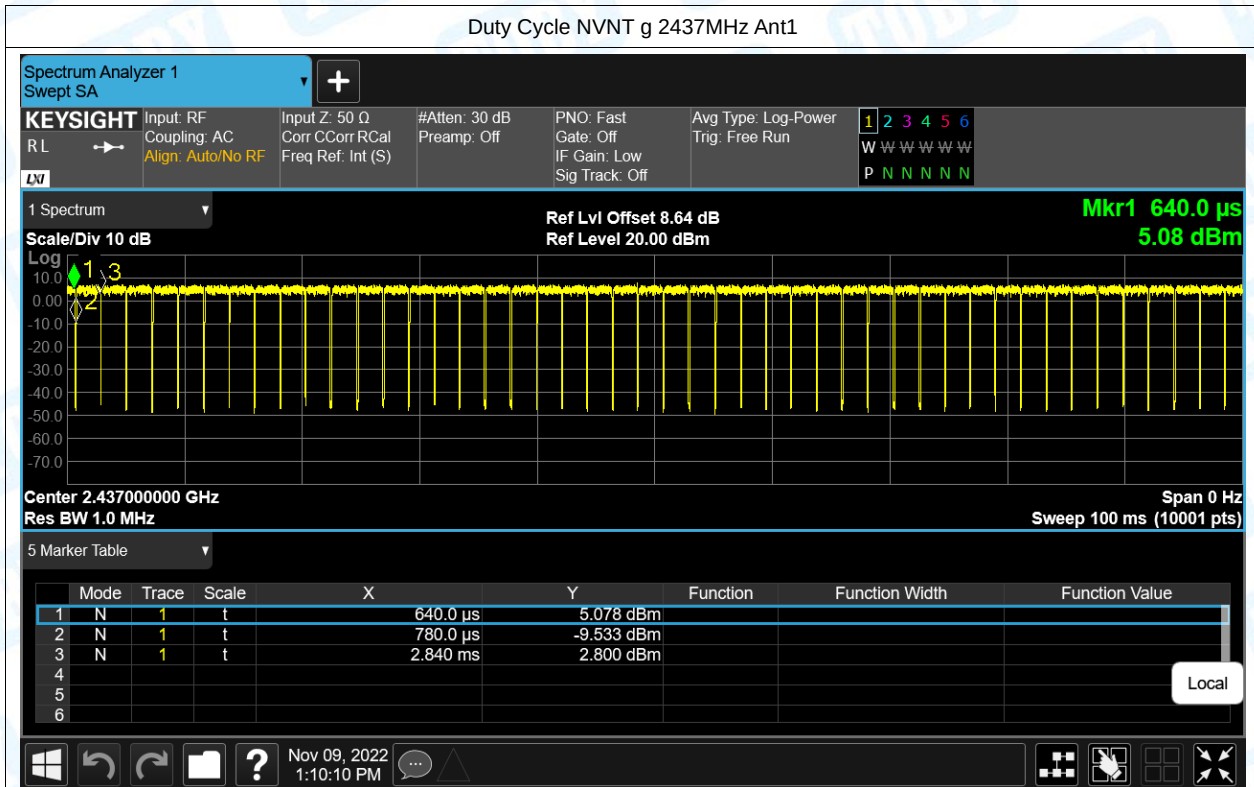


Duty Cycle NVNT b 2462MHz Ant1

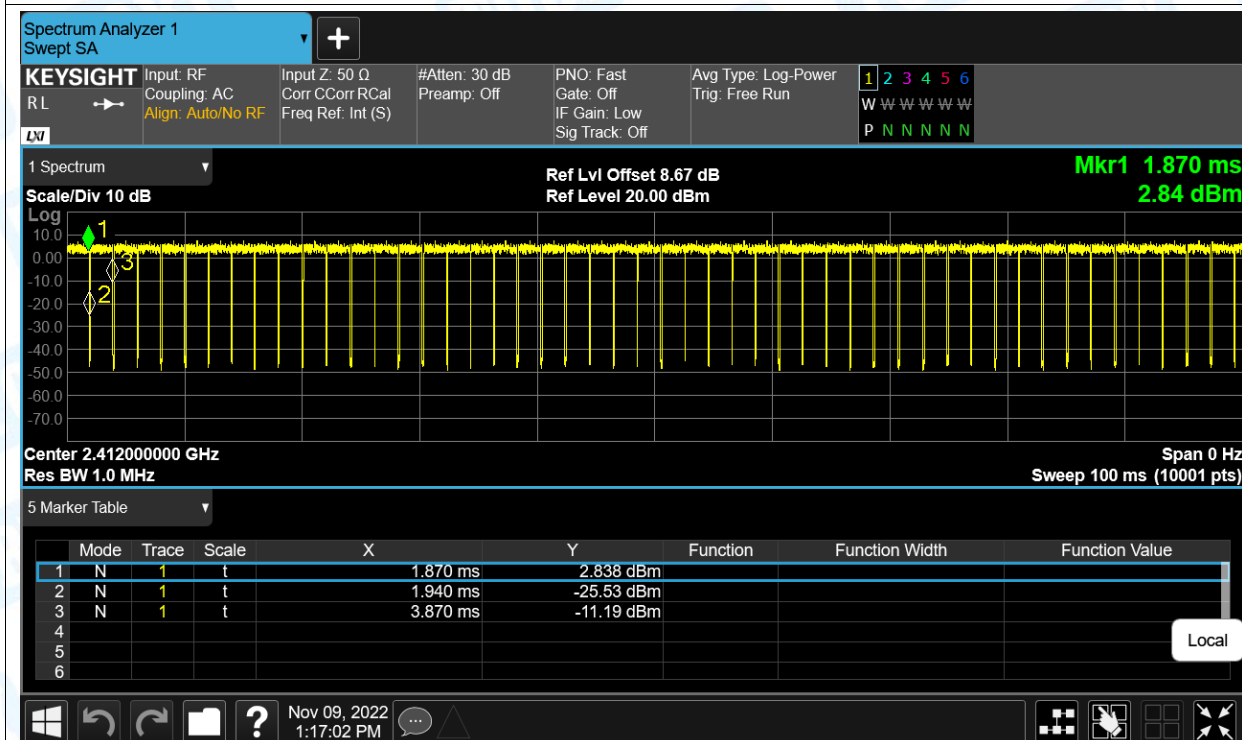


Duty Cycle NVNT g 2412MHz Ant1

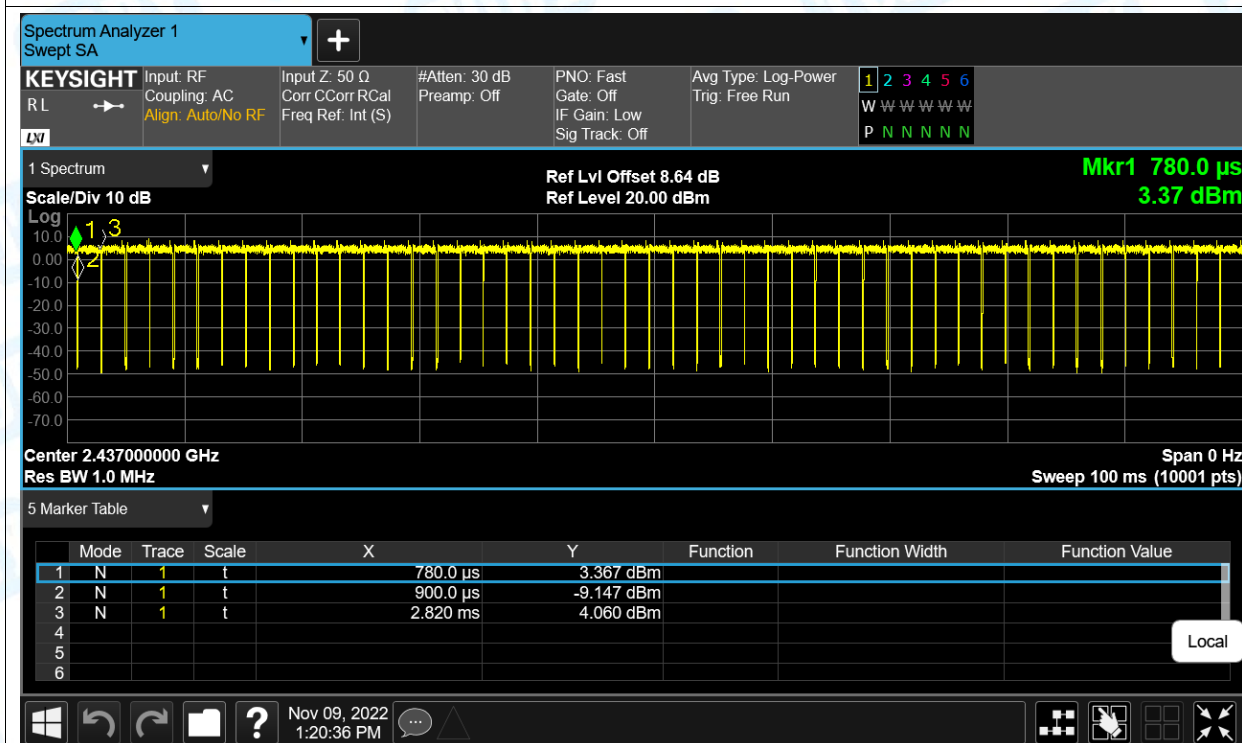




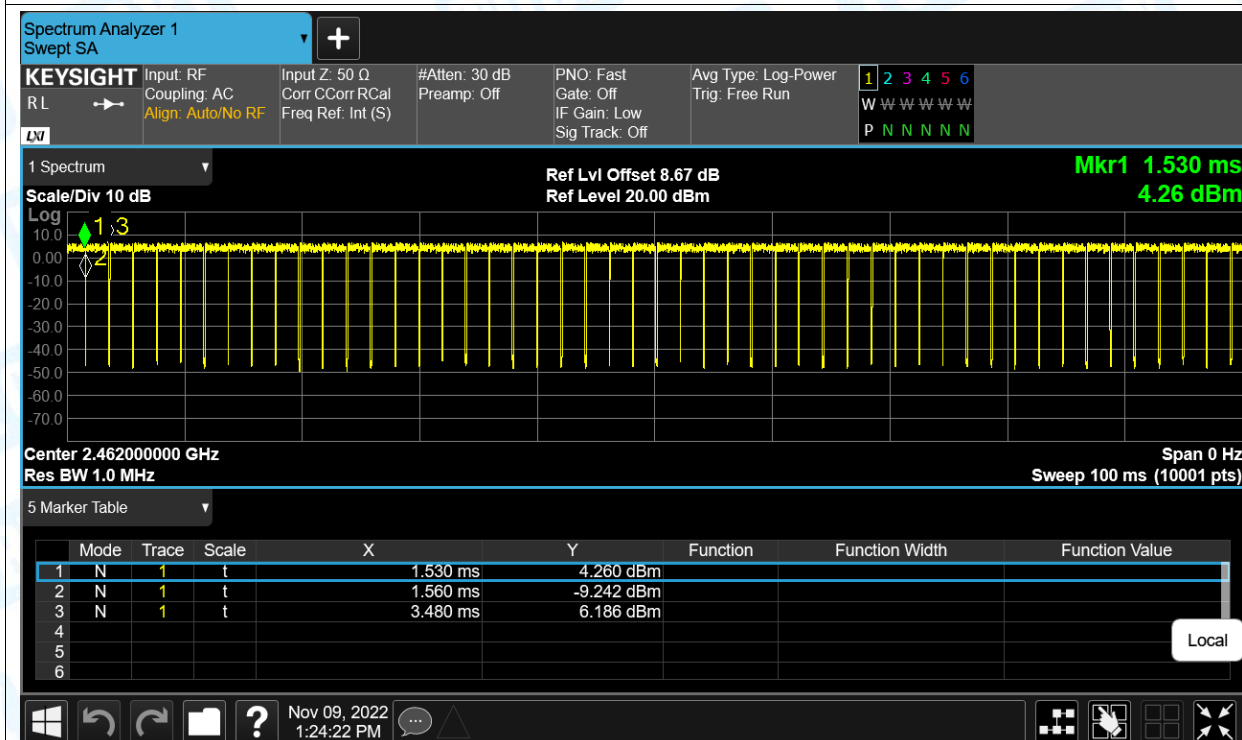
Duty Cycle NVNT n(HT20) 2412MHz Ant1



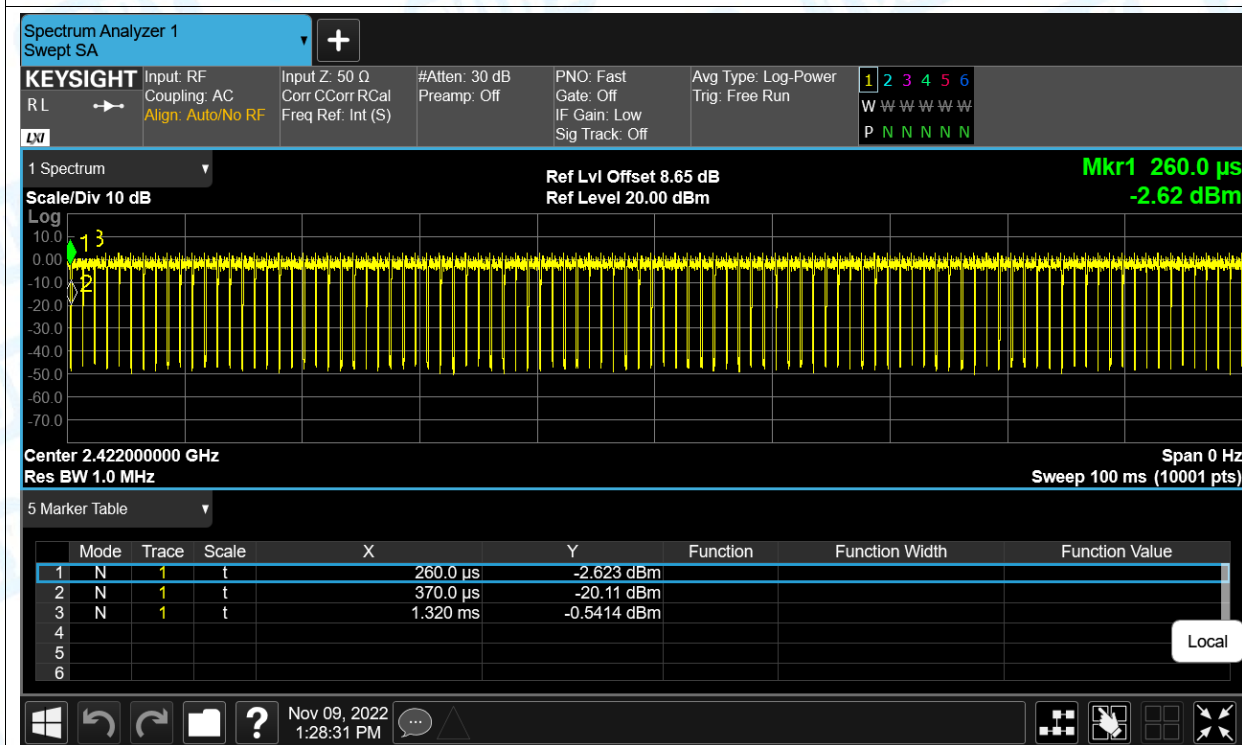
Duty Cycle NVNT n(HT20) 2437MHz Ant1

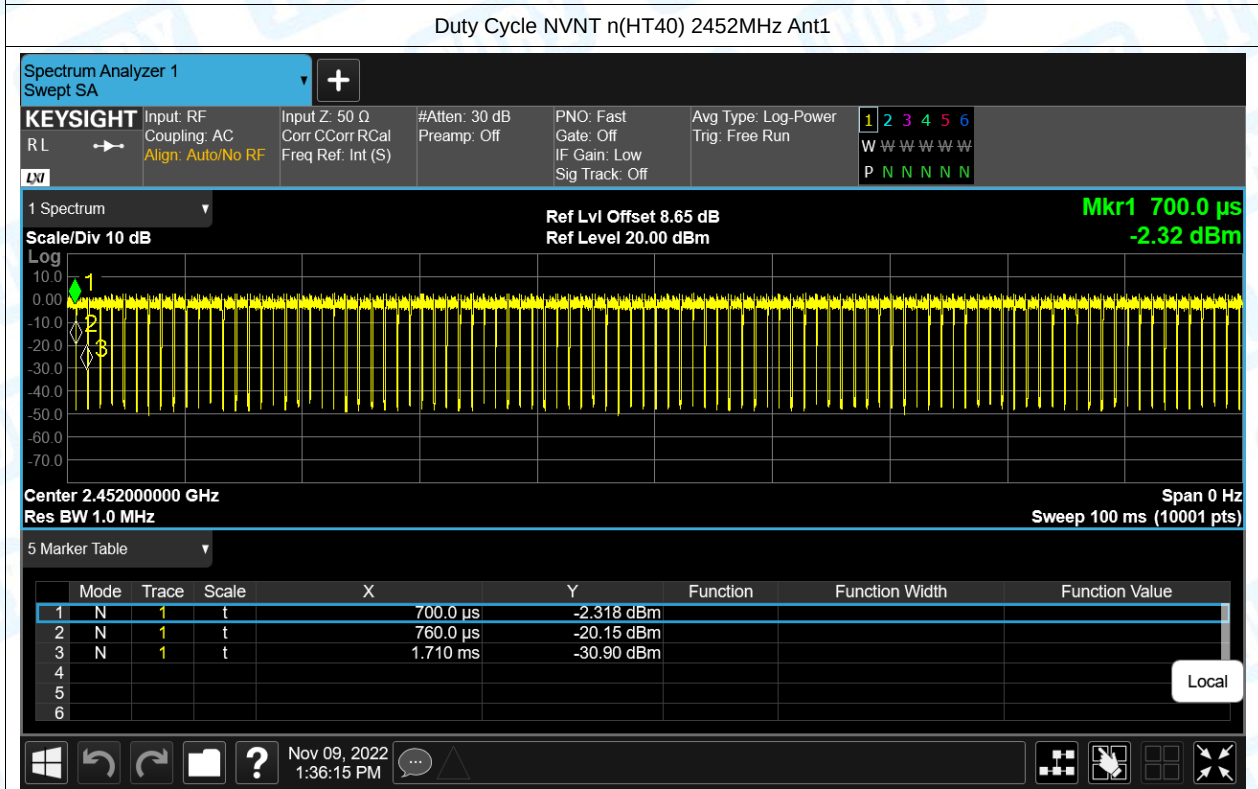
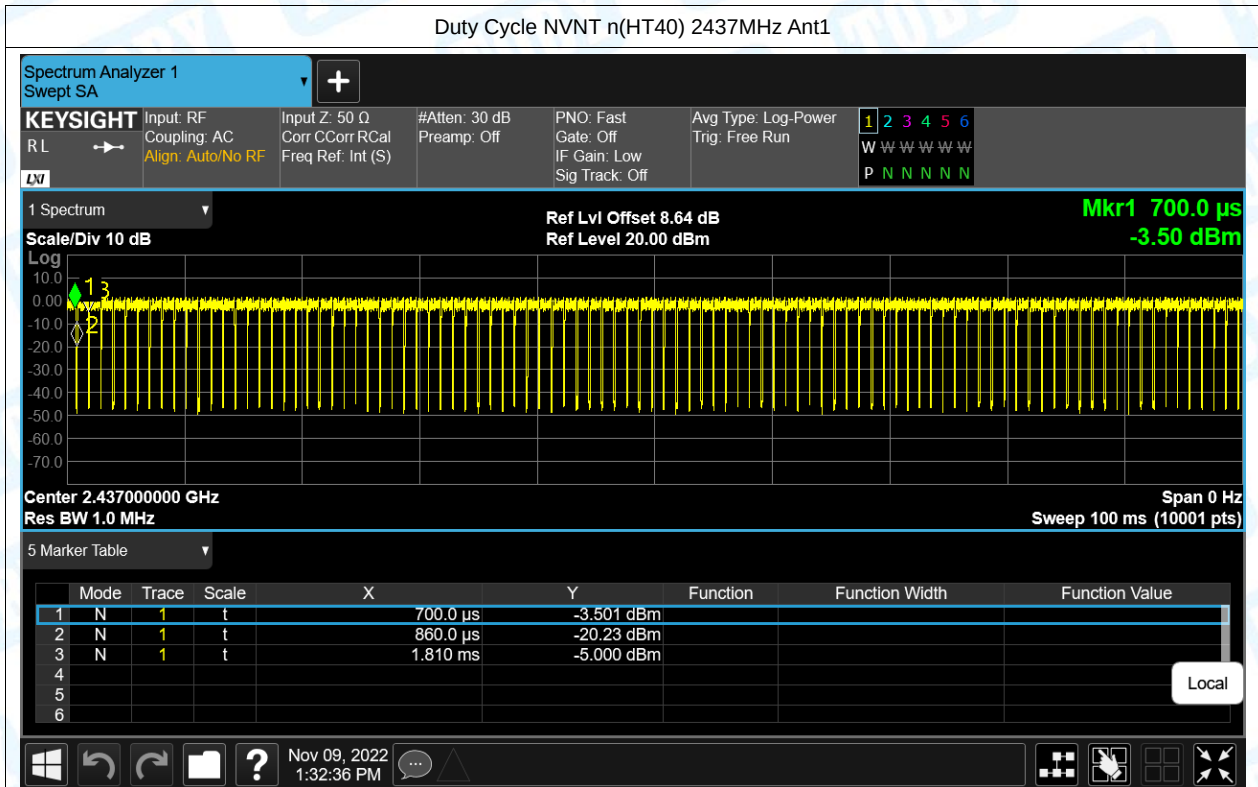


Duty Cycle NVNT n(HT20) 2462MHz Ant1



Duty Cycle NVNT n(HT40) 2422MHz Ant1





2. Maximum Conducted Output Power

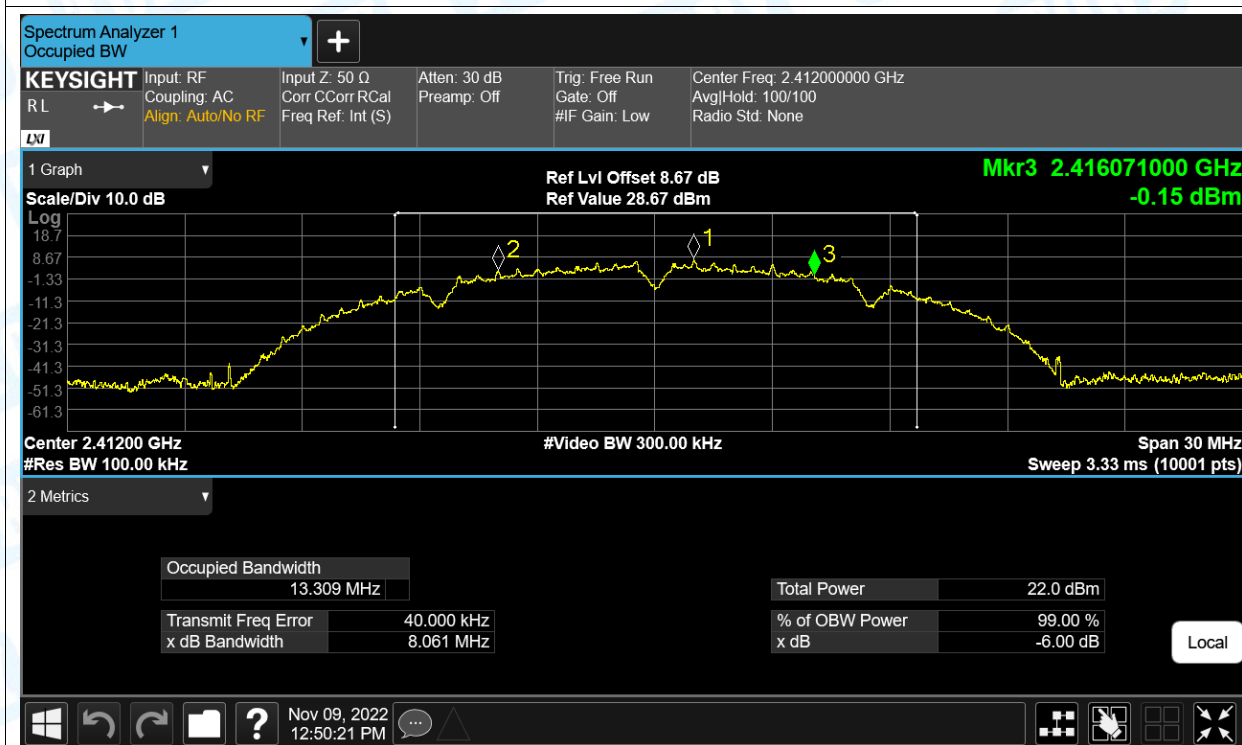
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	17.201	30	Pass
NVNT	b	2437	Ant1	17.406	30	Pass
NVNT	b	2462	Ant1	17.053	30	Pass
NVNT	g	2412	Ant1	16.778	30	Pass
NVNT	g	2437	Ant1	16.905	30	Pass
NVNT	g	2462	Ant1	16.552	30	Pass
NVNT	n(HT20)	2412	Ant1	16.304	30	Pass
NVNT	n(HT20)	2437	Ant1	16.862	30	Pass
NVNT	n(HT20)	2462	Ant1	16.666	30	Pass
NVNT	n(HT40)	2422	Ant1	16.833	30	Pass
NVNT	n(HT40)	2437	Ant1	16.972	30	Pass
NVNT	n(HT40)	2452	Ant1	16.863	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	8.58	0.5	Pass
NVNT	b	2462	Ant1	8.08	0.5	Pass
NVNT	g	2412	Ant1	16.49	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	17.06	0.5	Pass
NVNT	n(HT20)	2462	Ant1	17.35	0.5	Pass
NVNT	n(HT40)	2422	Ant1	35.77	0.5	Pass
NVNT	n(HT40)	2437	Ant1	36.01	0.5	Pass
NVNT	n(HT40)	2452	Ant1	35.9	0.5	Pass

Test Graphs

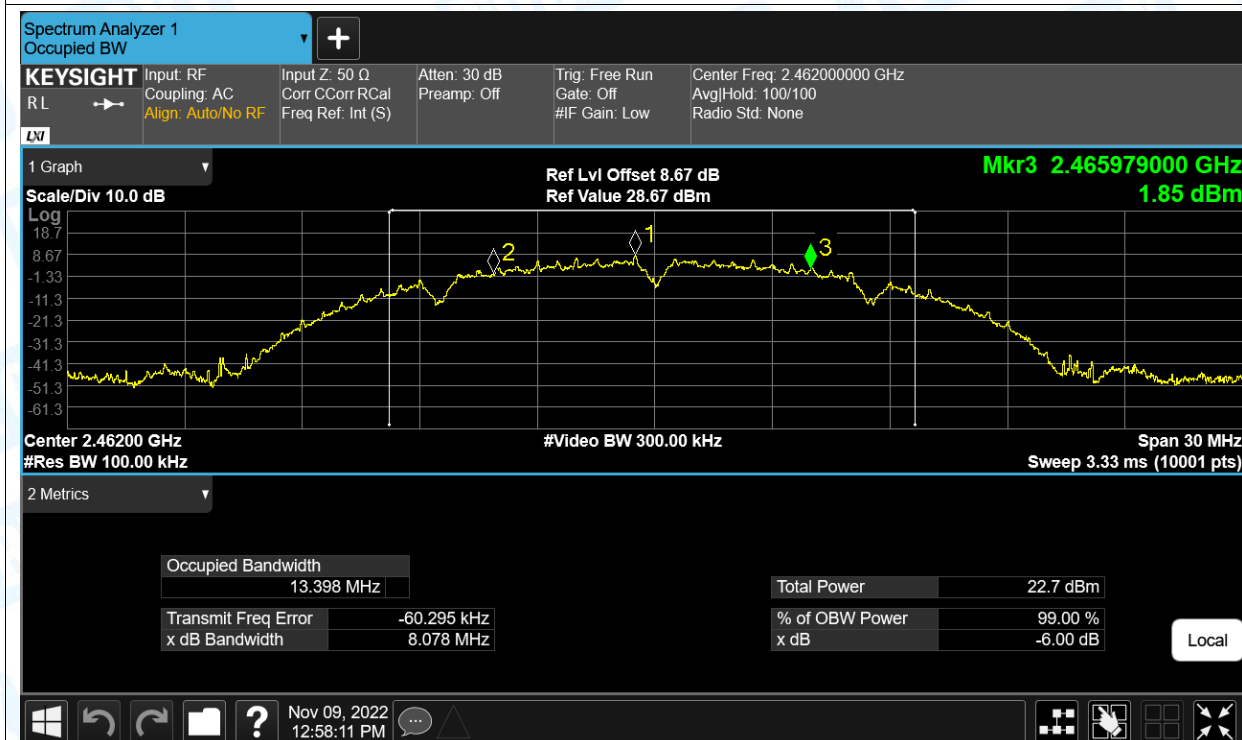
-6dB Bandwidth NVNT b 2412MHz Ant1



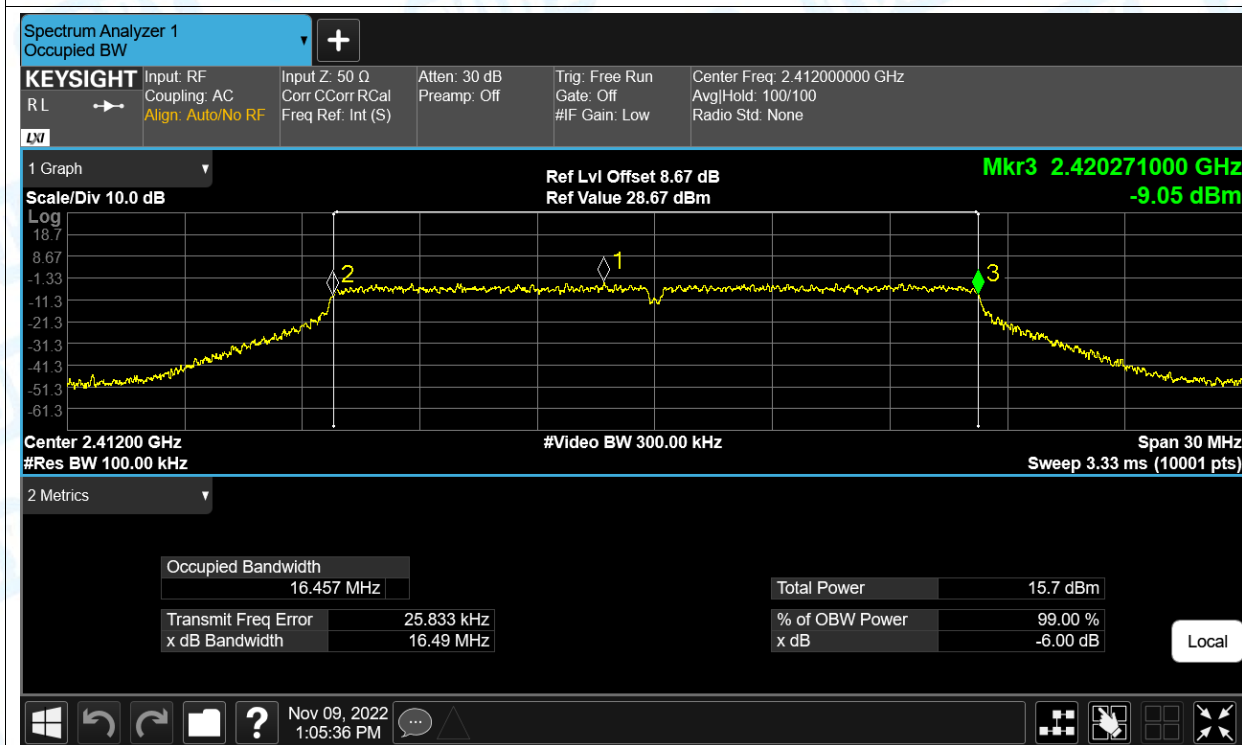
-6dB Bandwidth NVNT b 2437MHz Ant1

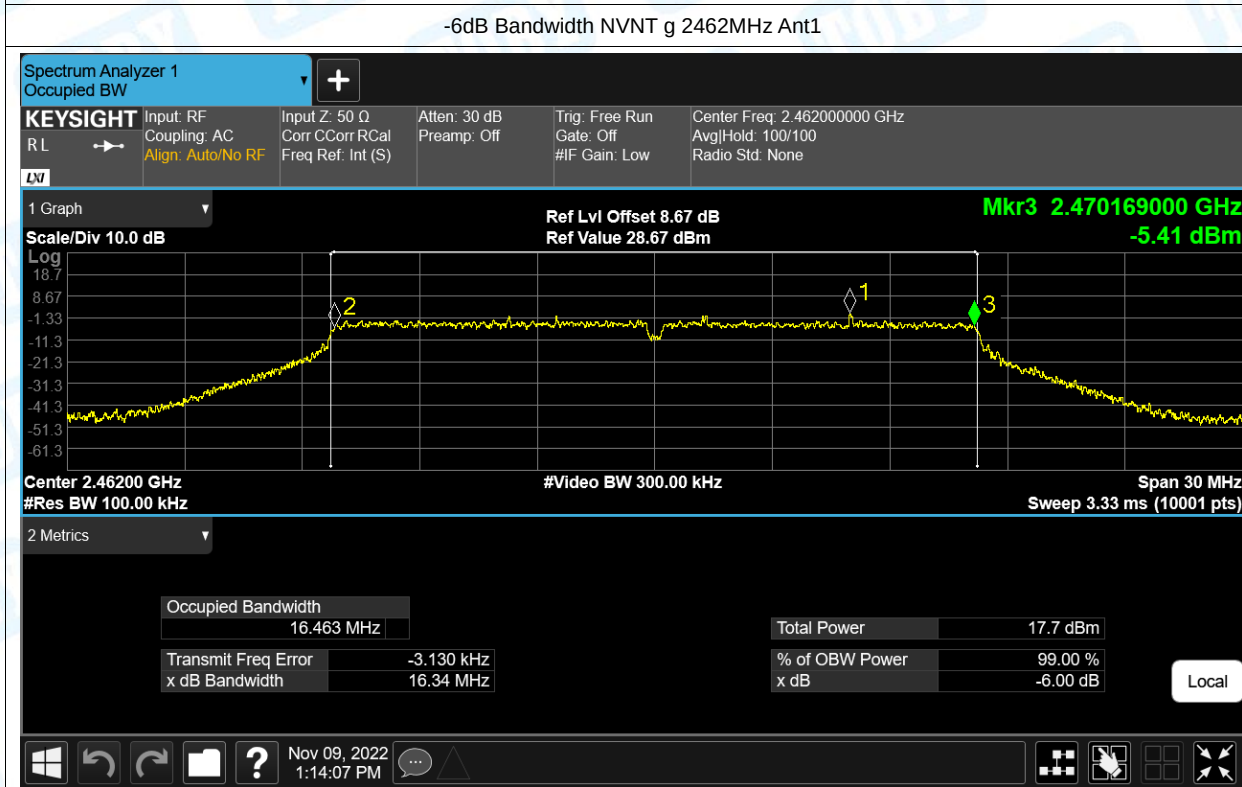
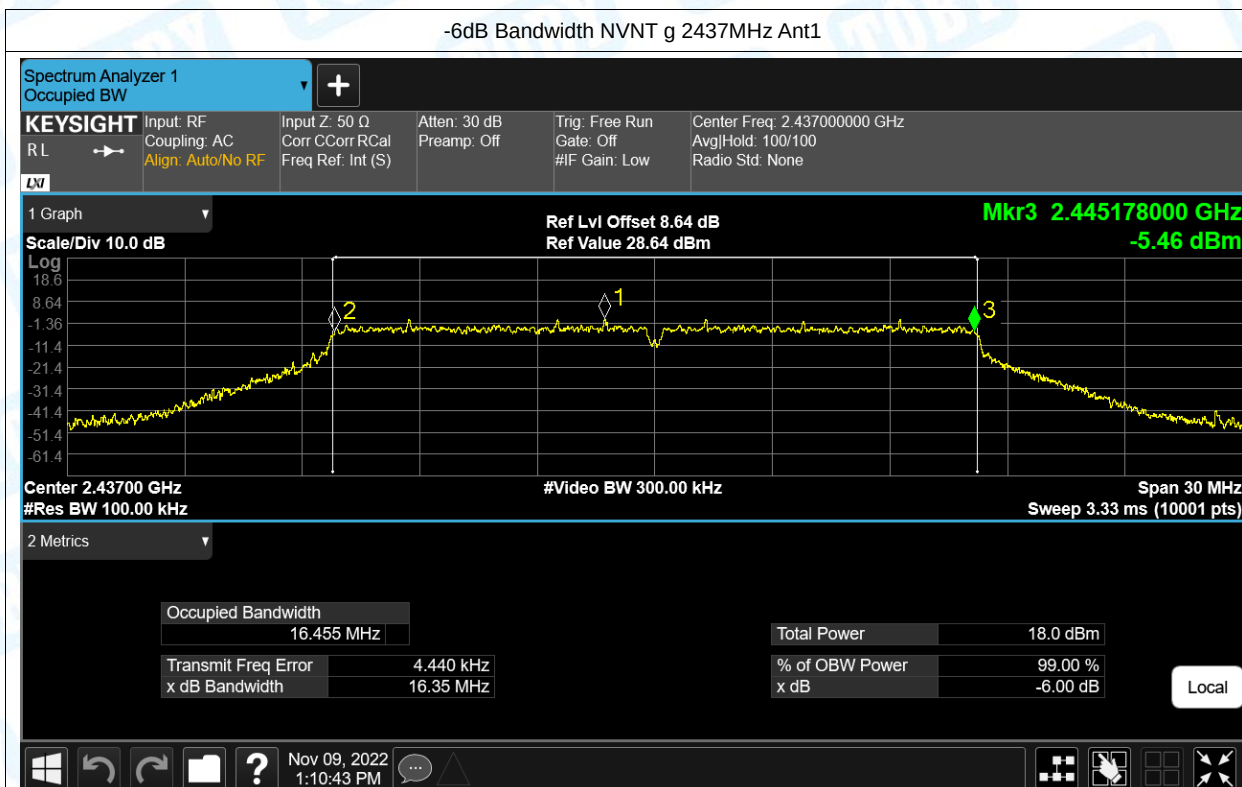


-6dB Bandwidth NVNT b 2462MHz Ant1

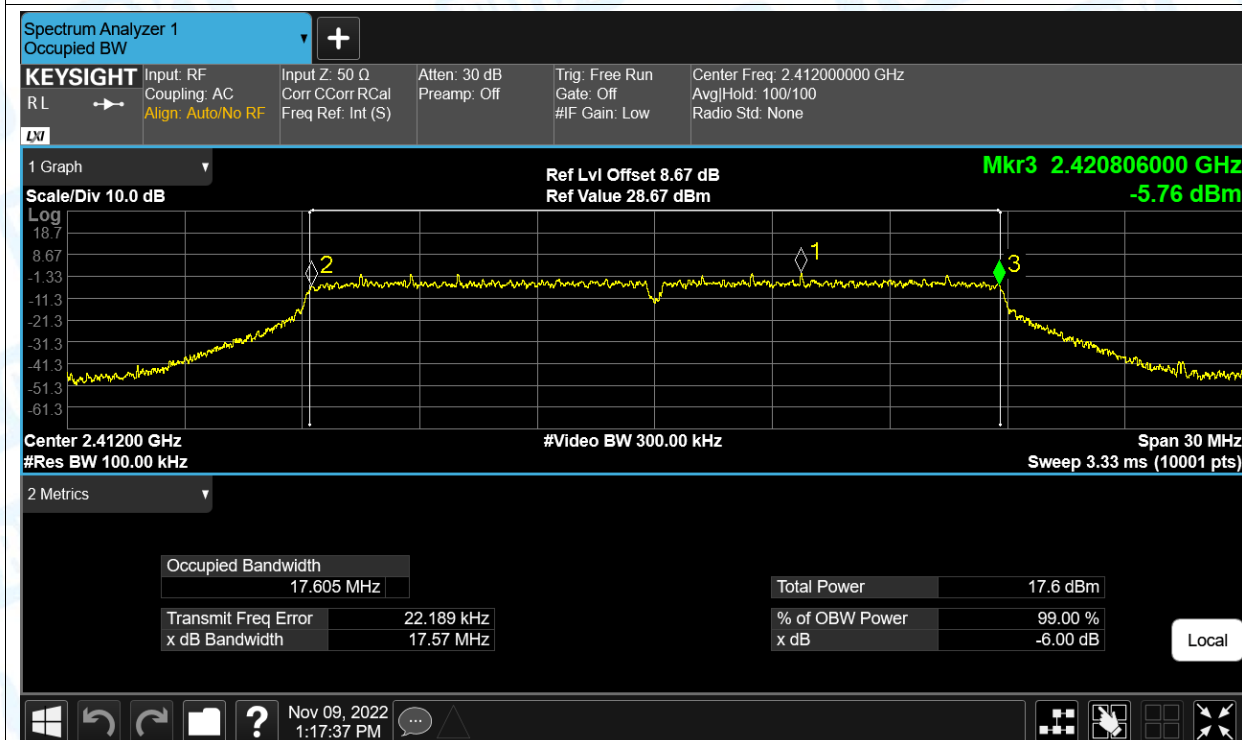


-6dB Bandwidth NVNT g 2412MHz Ant1

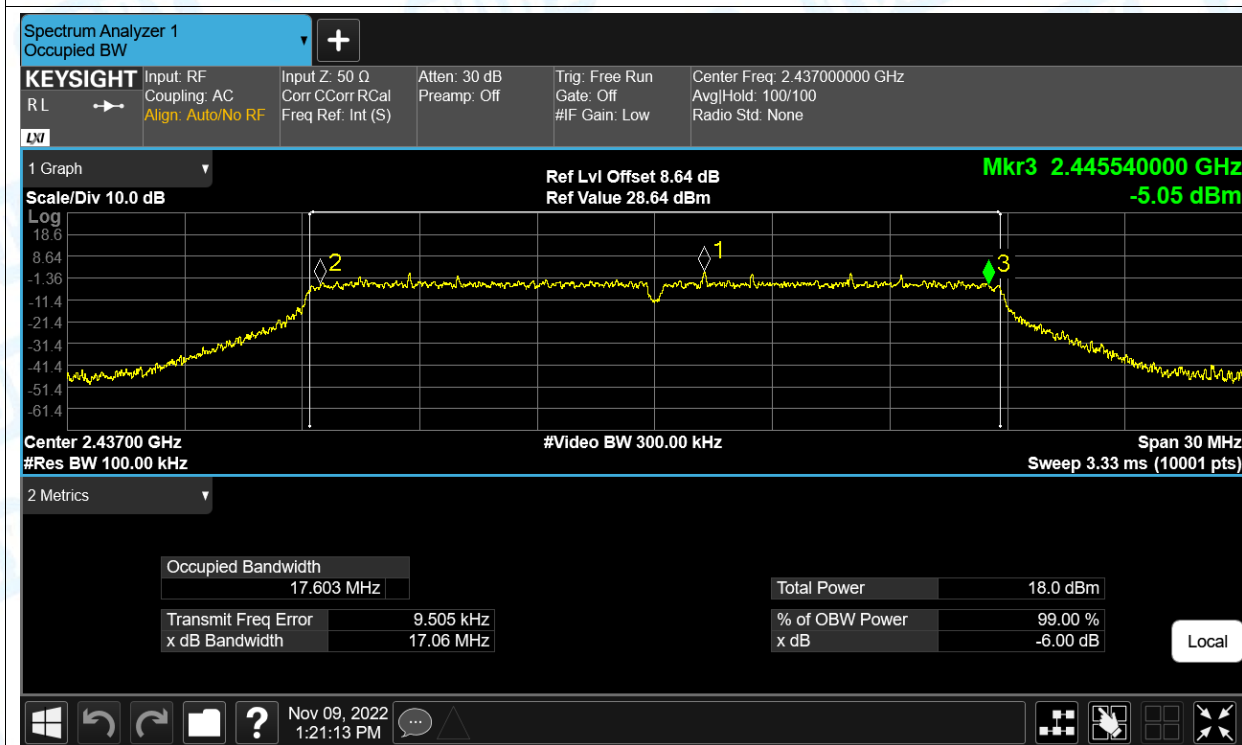




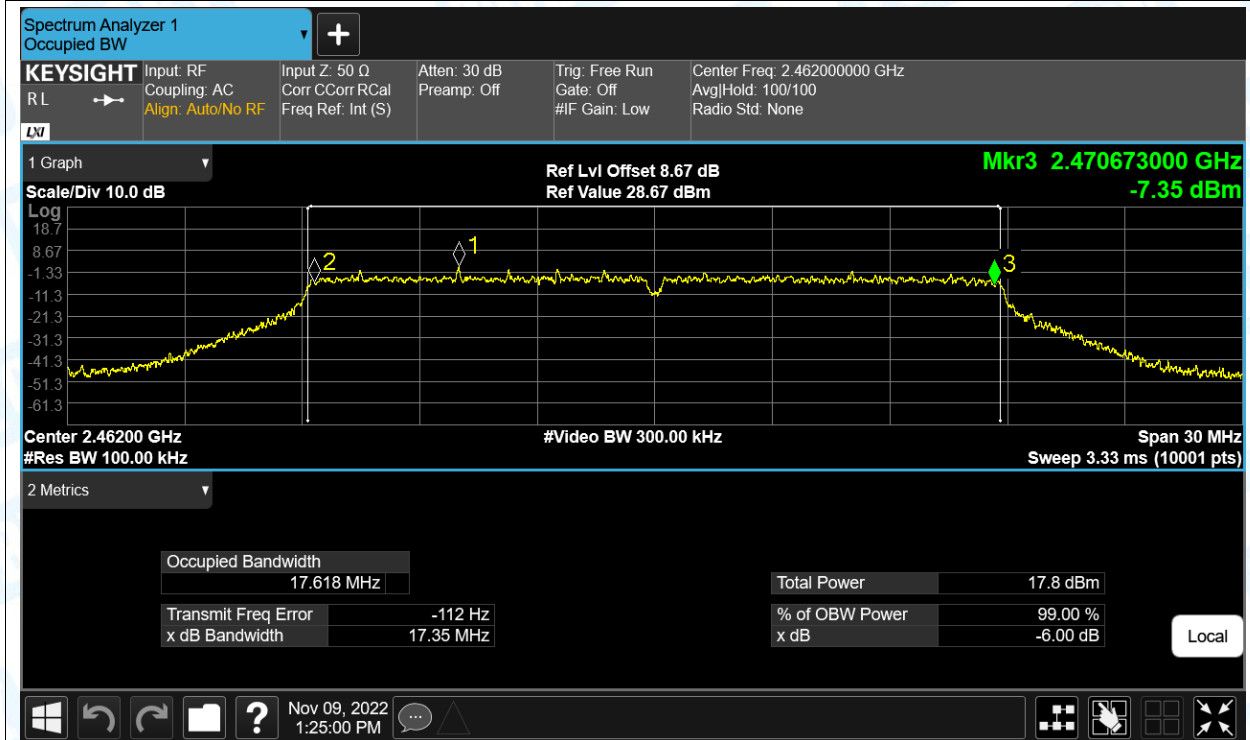
-6dB Bandwidth NVNT n(HT20) 2412MHz Ant1



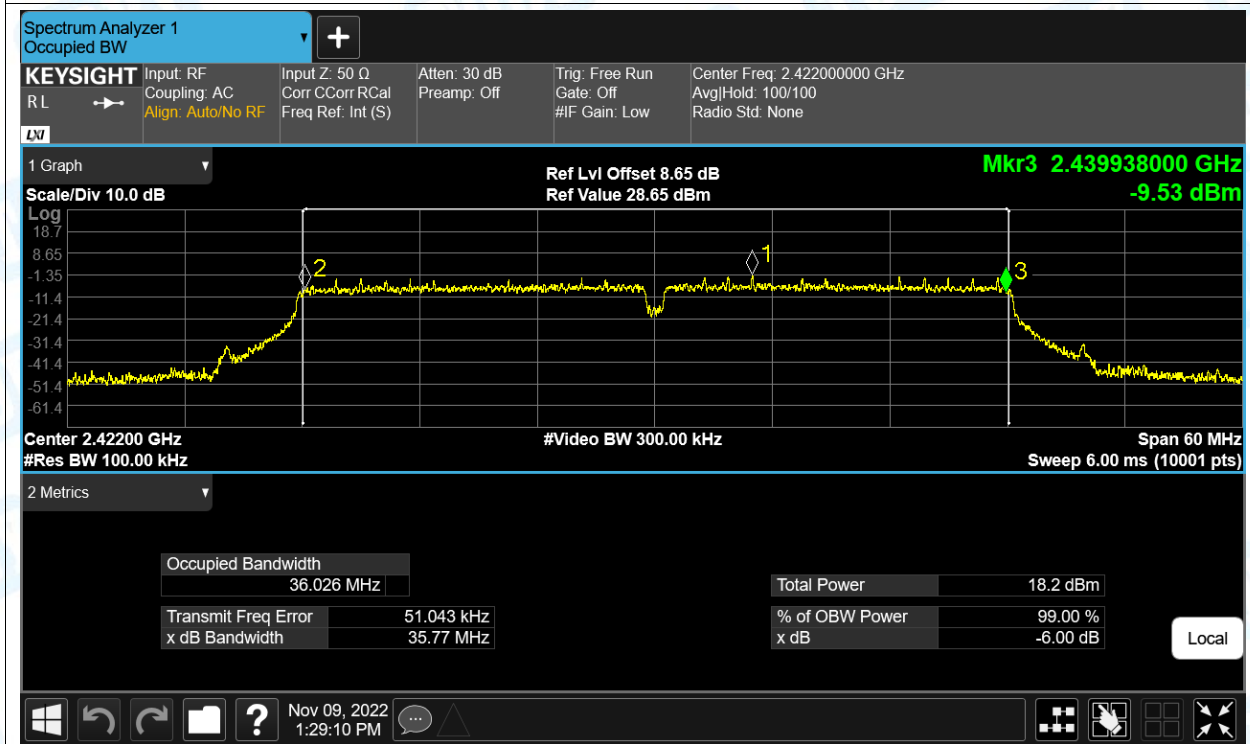
-6dB Bandwidth NVNT n(HT20) 2437MHz Ant1



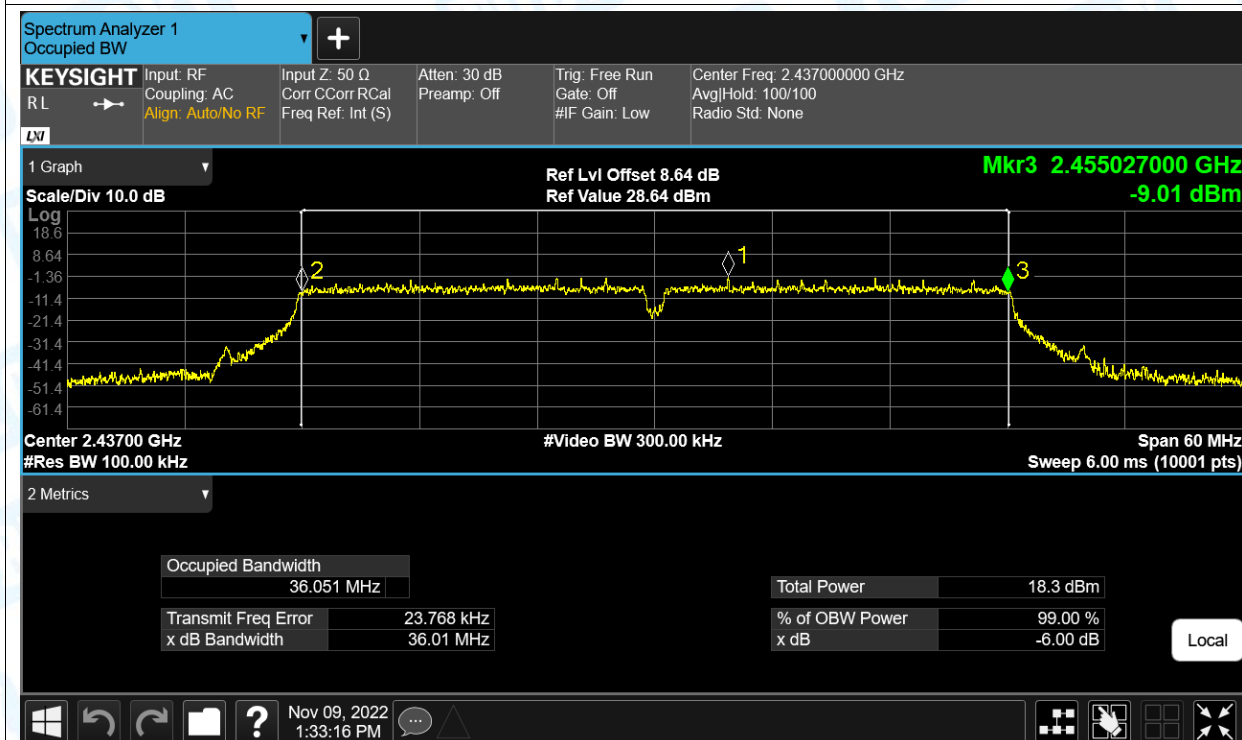
-6dB Bandwidth NVNT n(HT20) 2462MHz Ant1



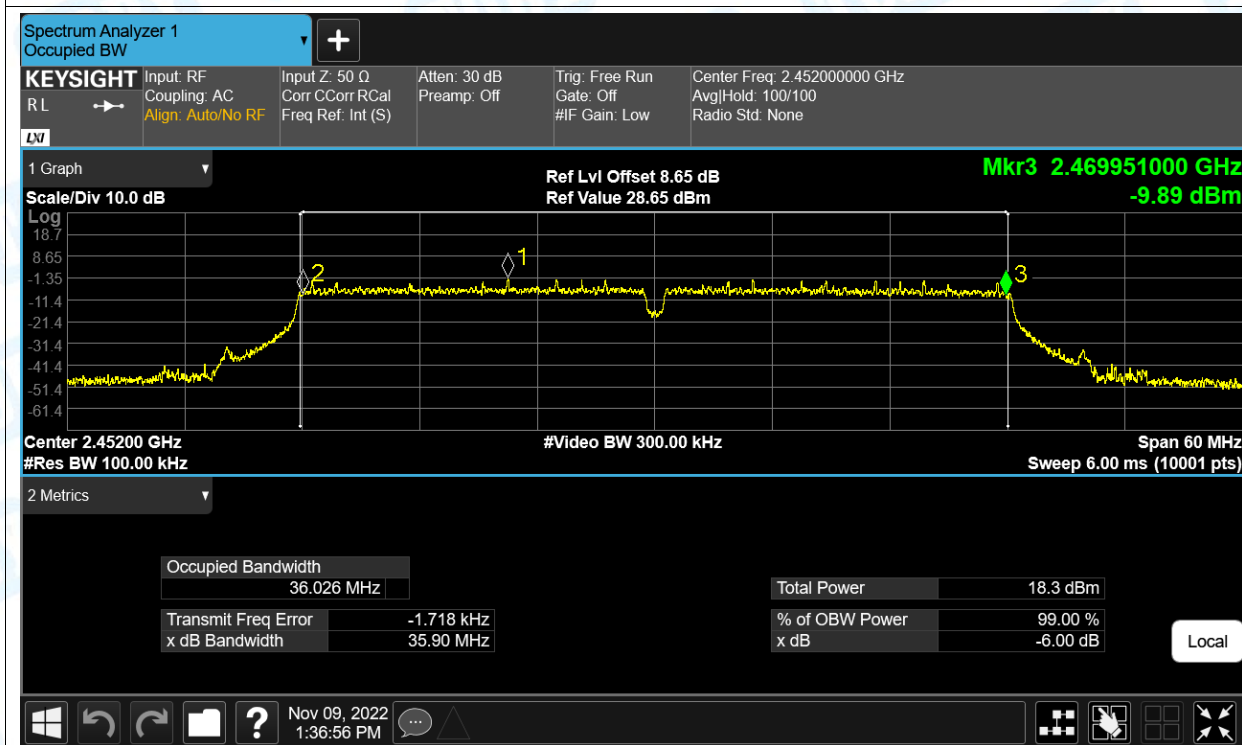
-6dB Bandwidth NVNT n(HT40) 2422MHz Ant1



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

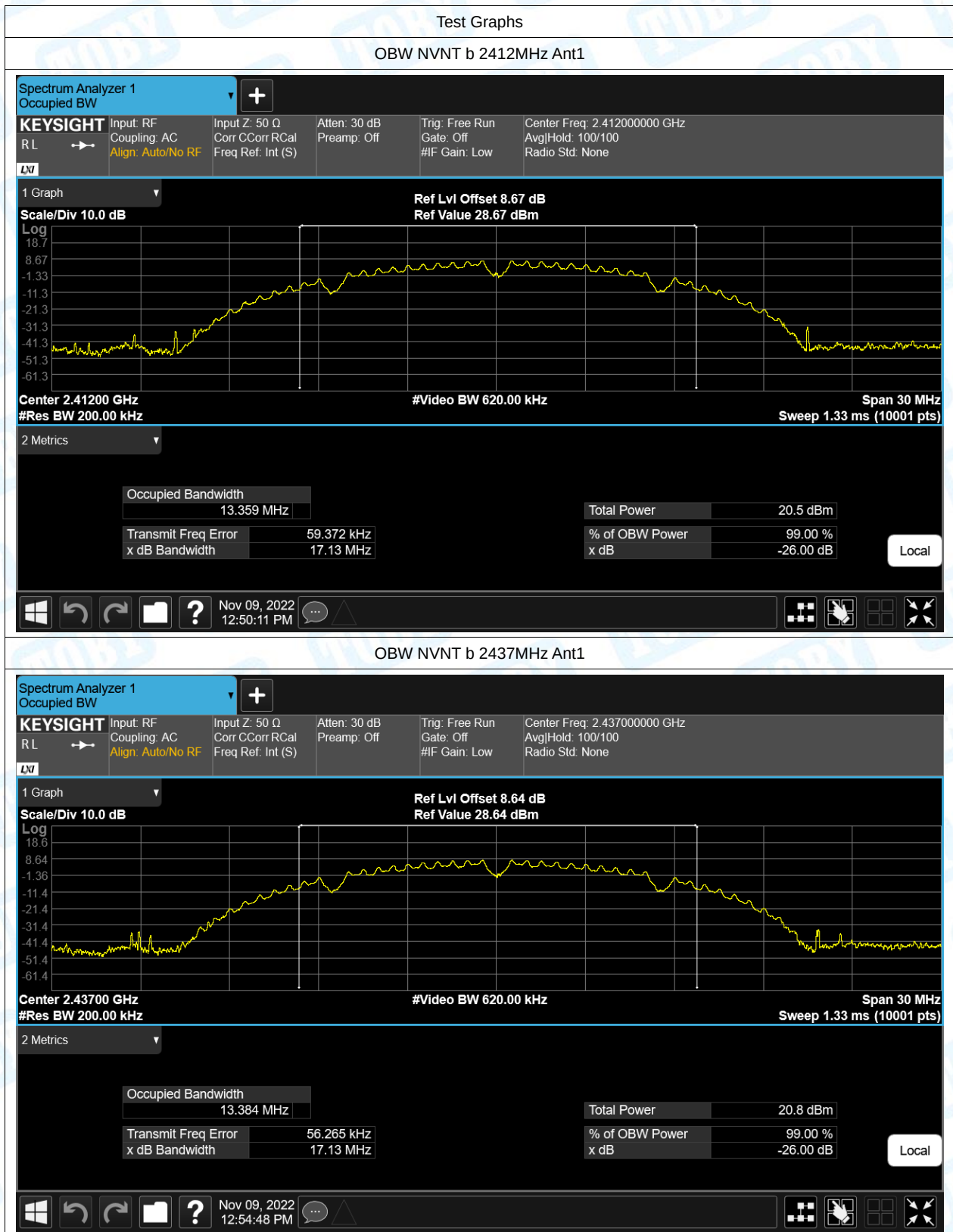


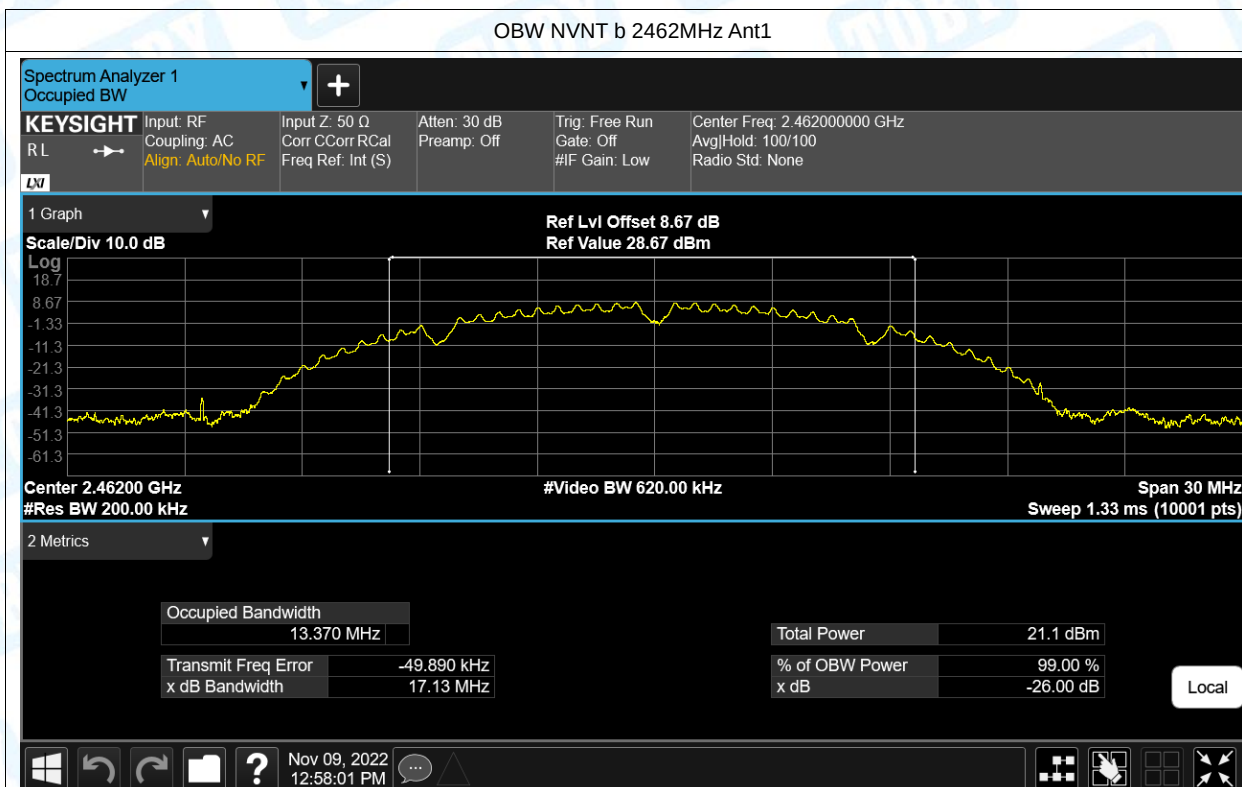
-6dB Bandwidth NVNT n(HT40) 2452MHz Ant1



4. Occupied Channel Bandwidth

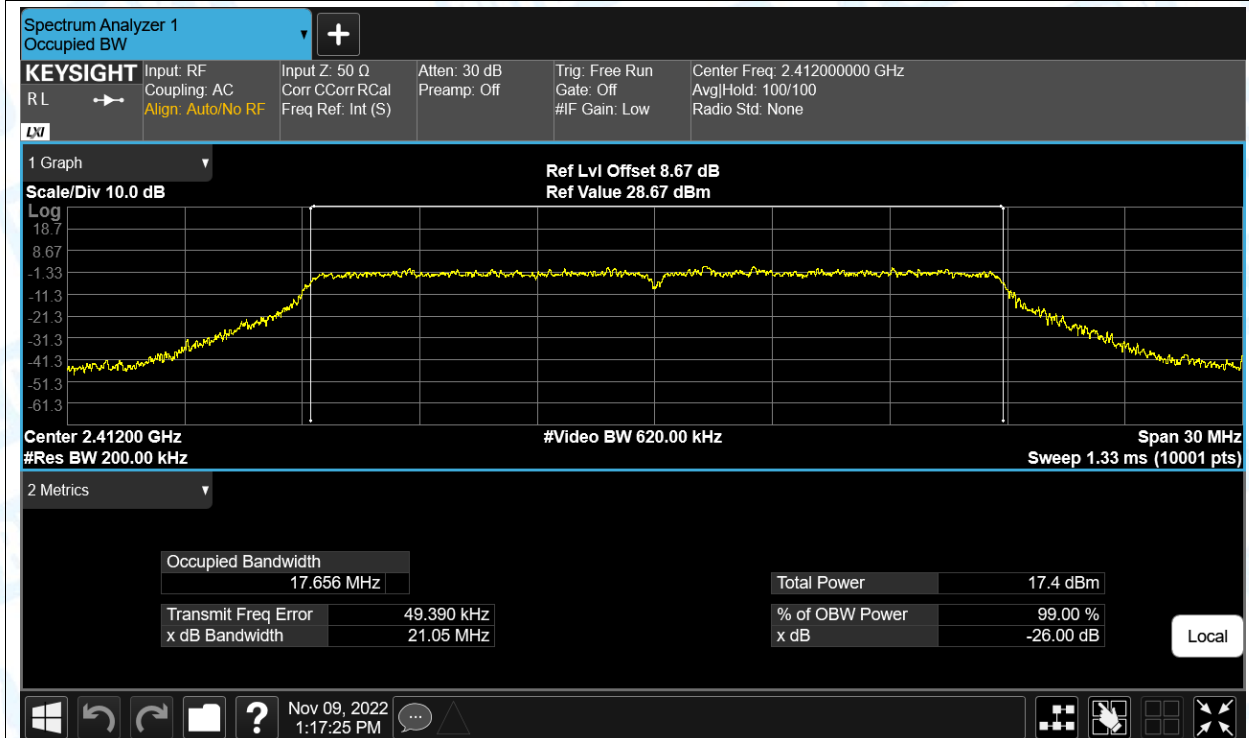
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	13.359
NVNT	b	2437	Ant1	13.384
NVNT	b	2462	Ant1	13.37
NVNT	g	2412	Ant1	16.551
NVNT	g	2437	Ant1	16.578
NVNT	g	2462	Ant1	16.593
NVNT	n(HT20)	2412	Ant1	17.656
NVNT	n(HT20)	2437	Ant1	17.66
NVNT	n(HT20)	2462	Ant1	17.67
NVNT	n(HT40)	2422	Ant1	36.165
NVNT	n(HT40)	2437	Ant1	36.205
NVNT	n(HT40)	2452	Ant1	36.117



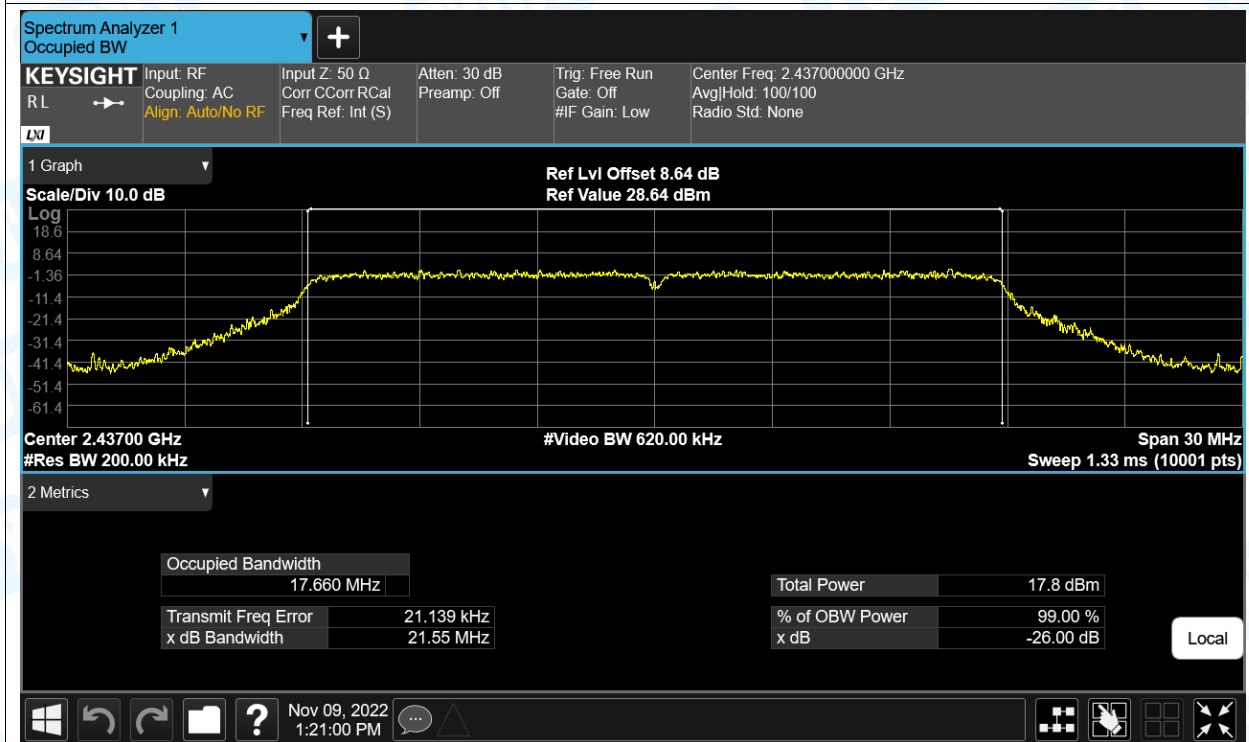


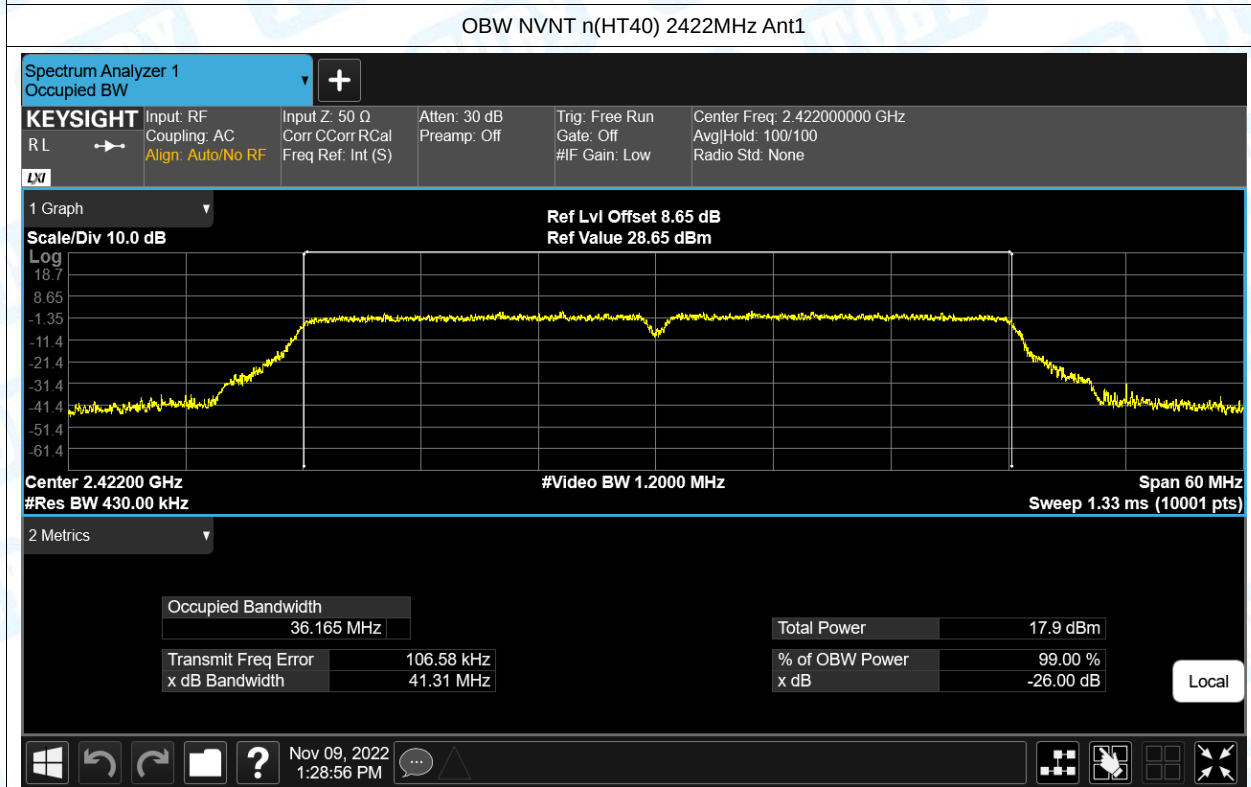
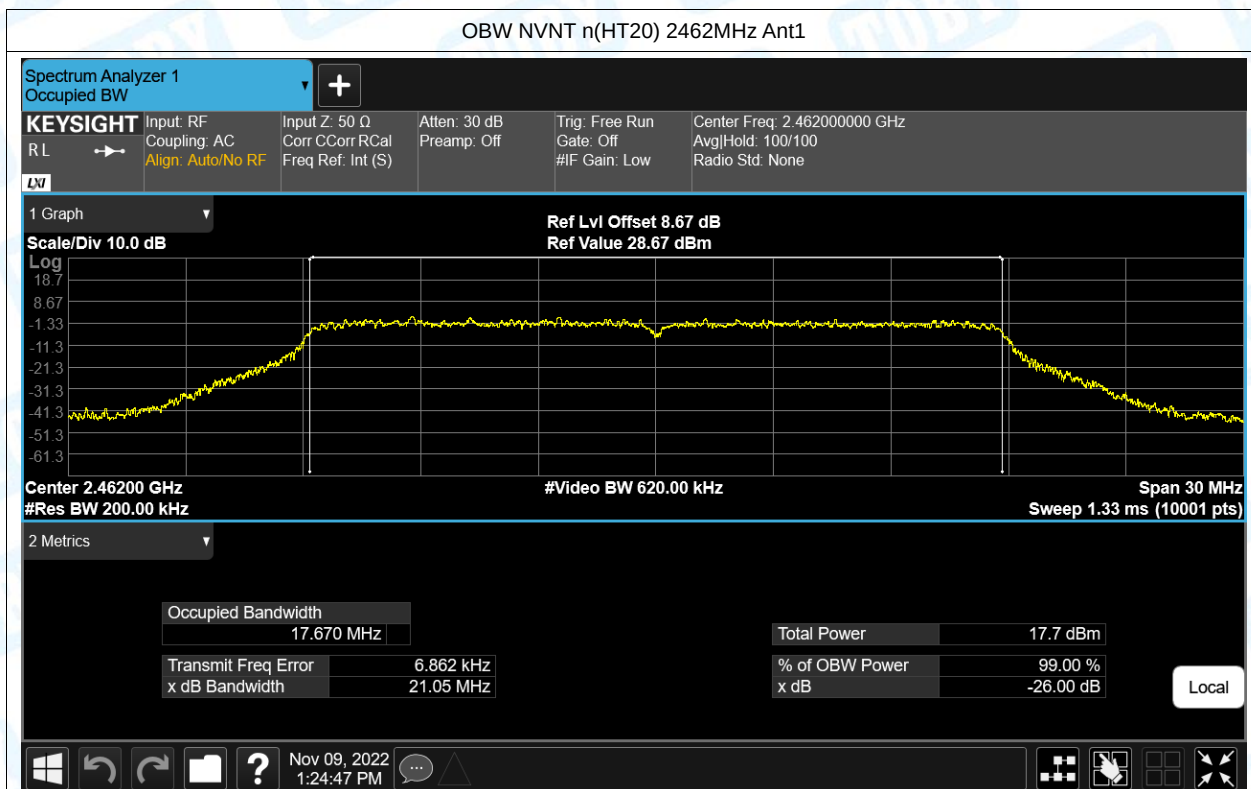


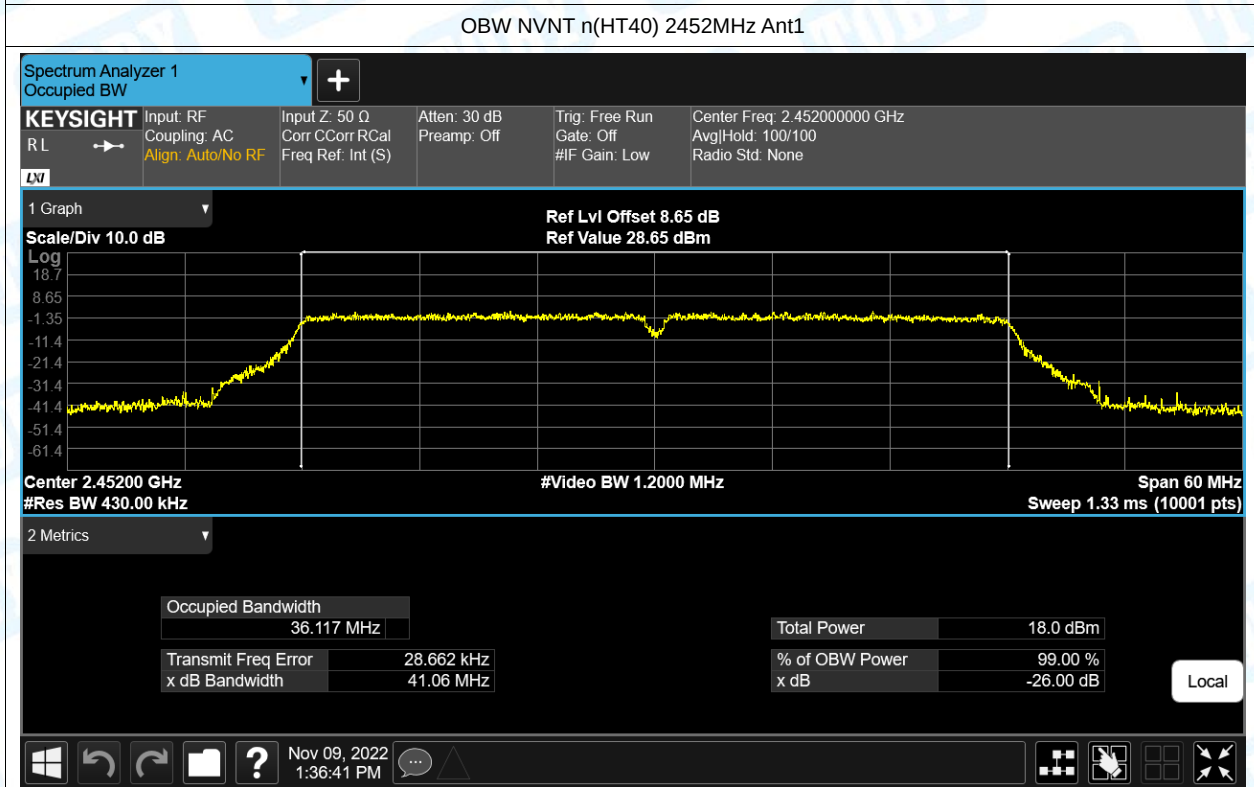
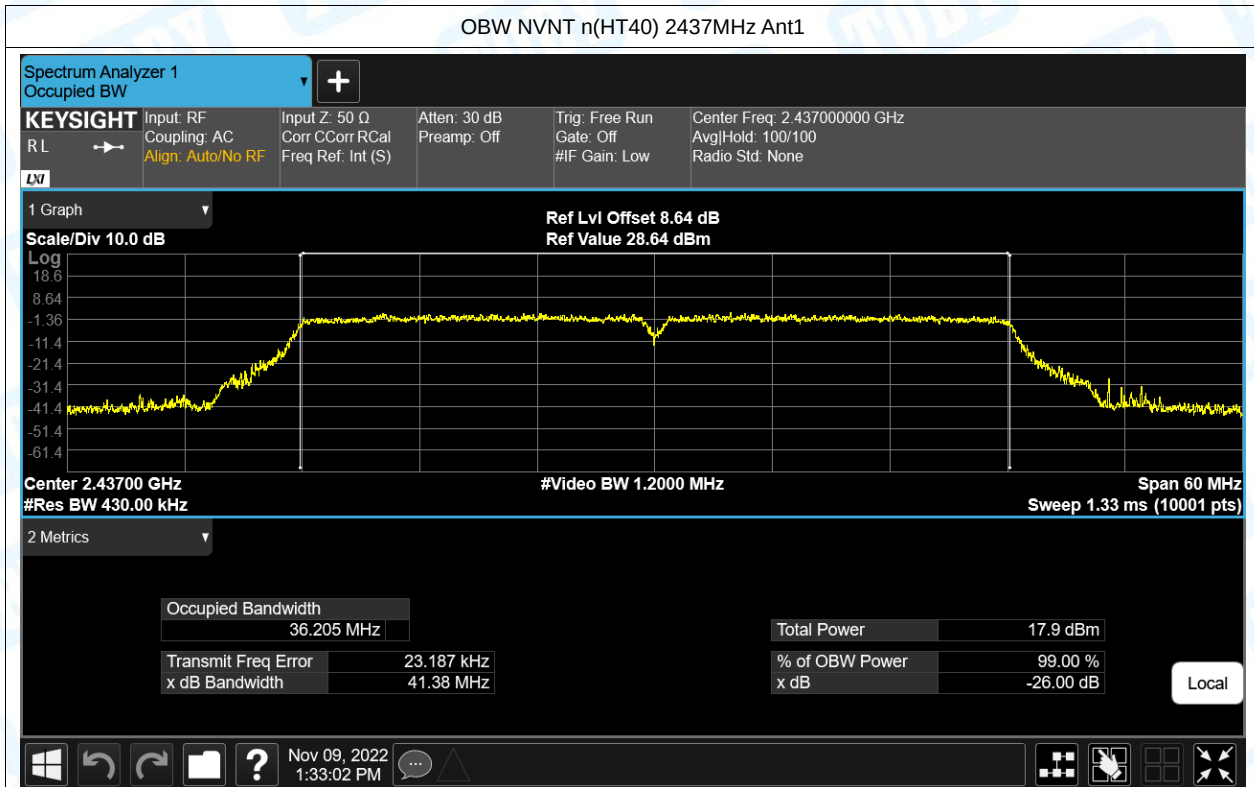
OBW NVNT n(HT20) 2412MHz Ant1



OBW NVNT n(HT20) 2437MHz Ant1

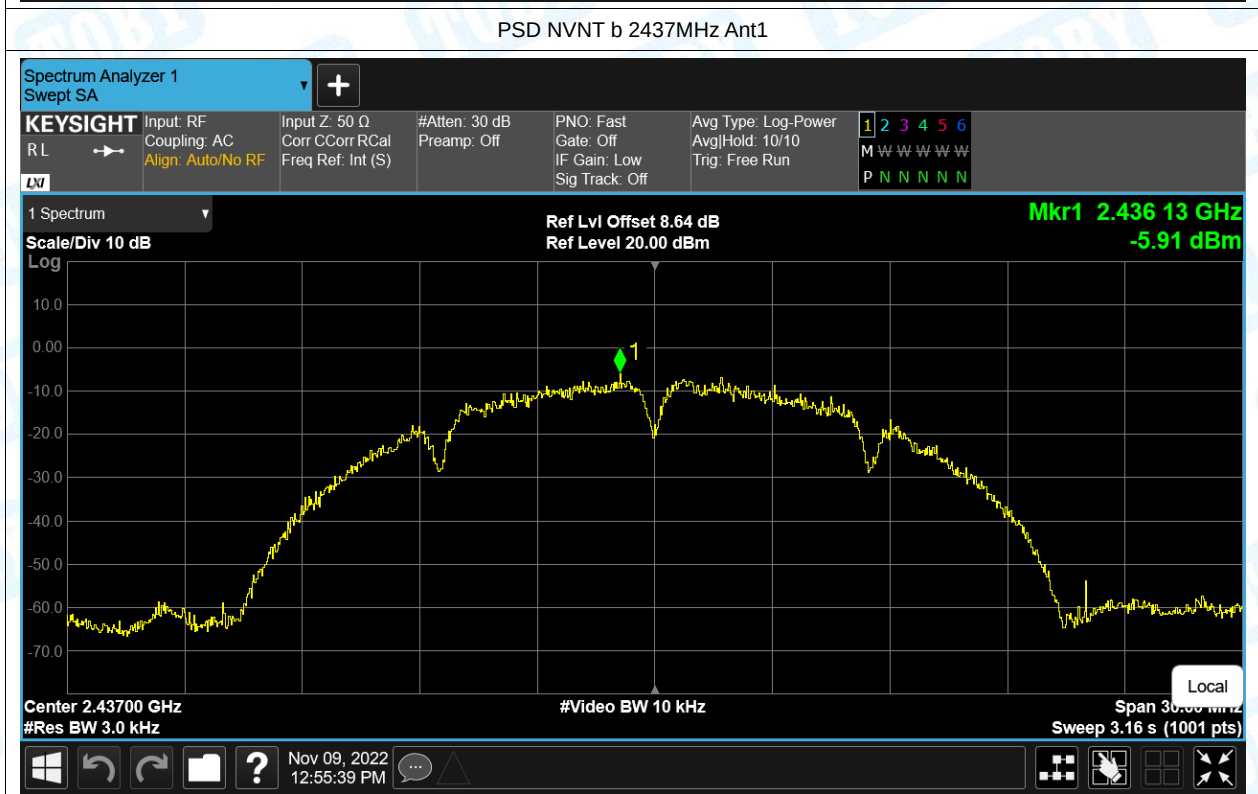
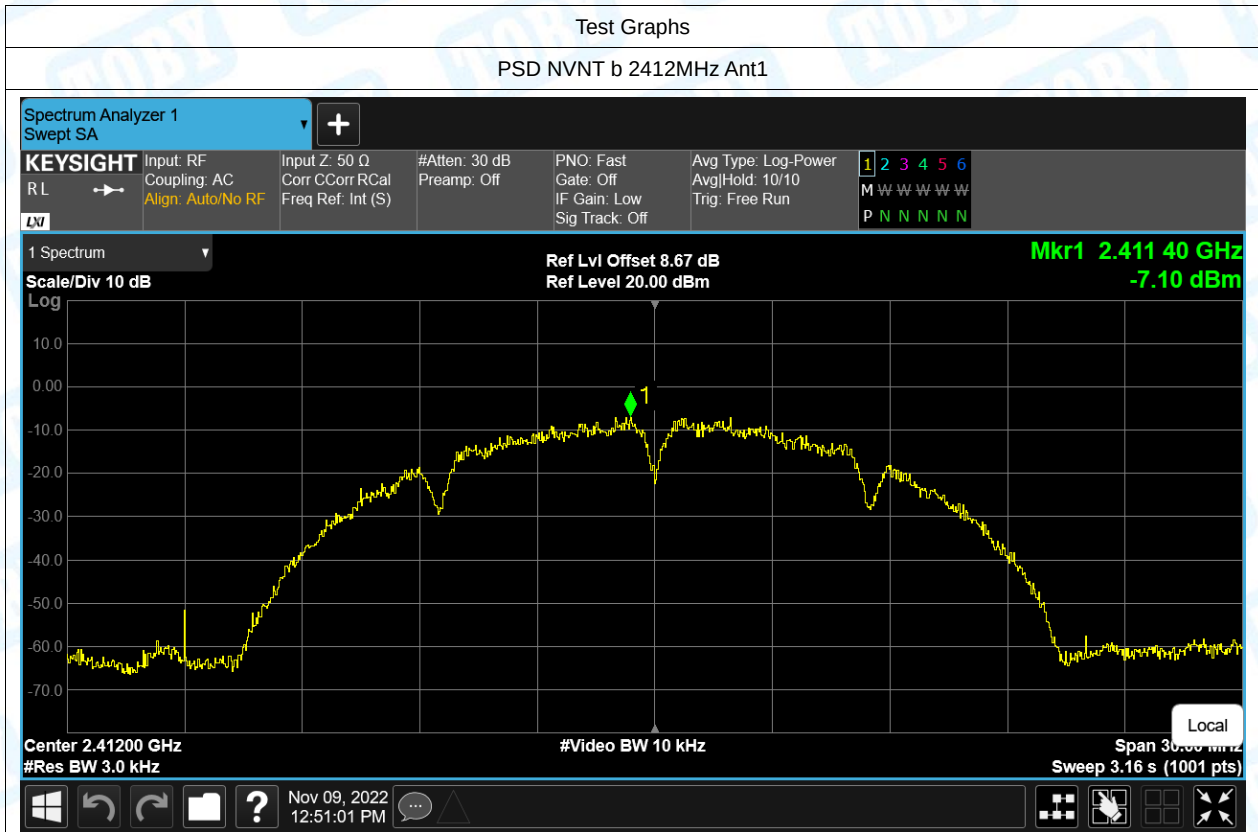


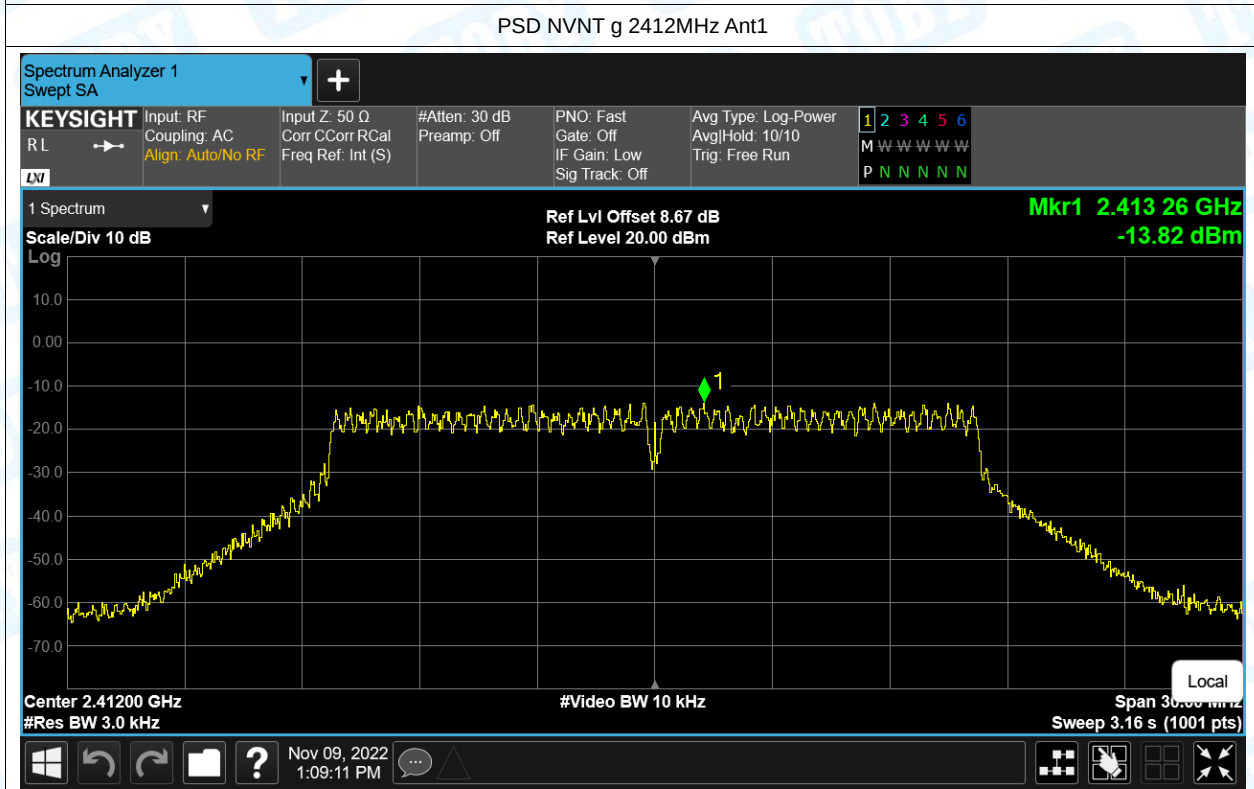
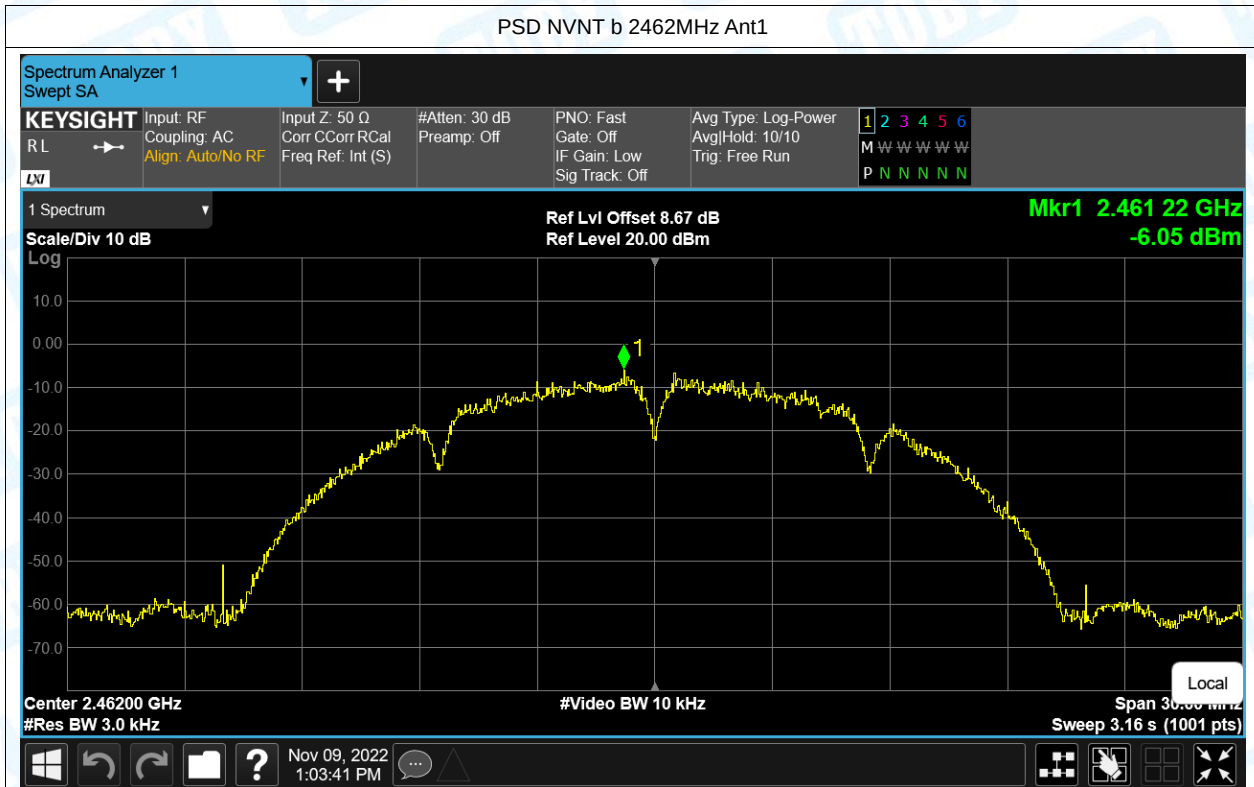




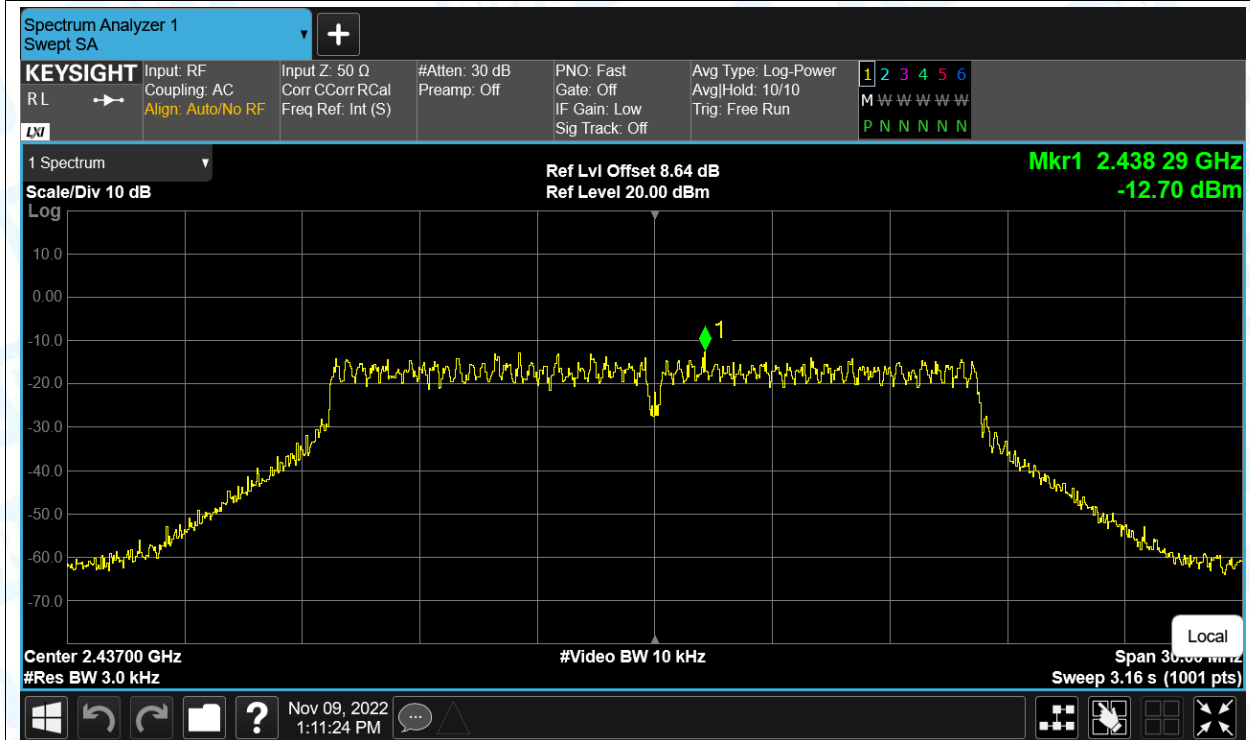
5. Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-7.103	8	Pass
NVNT	b	2437	Ant1	-5.911	8	Pass
NVNT	b	2462	Ant1	-6.047	8	Pass
NVNT	g	2412	Ant1	-13.819	8	Pass
NVNT	g	2437	Ant1	-12.7	8	Pass
NVNT	g	2462	Ant1	-12.926	8	Pass
NVNT	n(HT20)	2412	Ant1	-13.572	8	Pass
NVNT	n(HT20)	2437	Ant1	-11.658	8	Pass
NVNT	n(HT20)	2462	Ant1	-14.007	8	Pass
NVNT	n(HT40)	2422	Ant1	-16.661	8	Pass
NVNT	n(HT40)	2437	Ant1	-15.122	8	Pass
NVNT	n(HT40)	2452	Ant1	-15.995	8	Pass

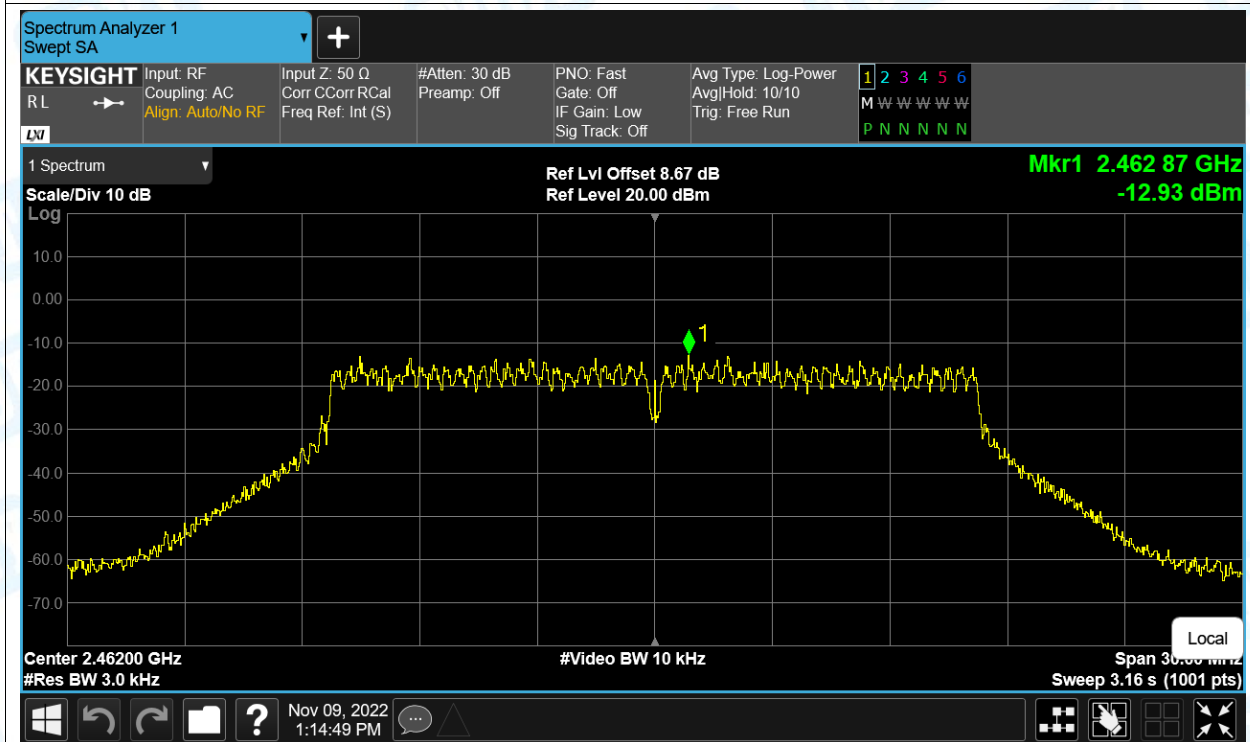




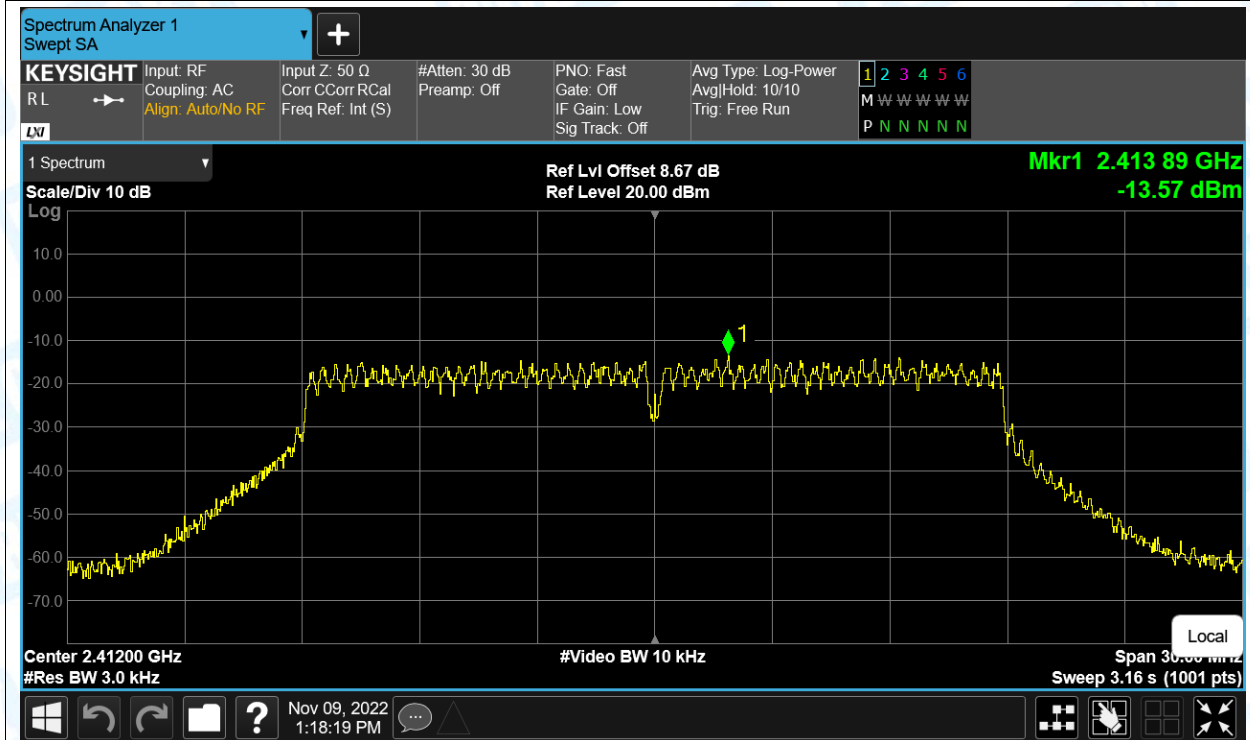
PSD NVNT g 2437MHz Ant1



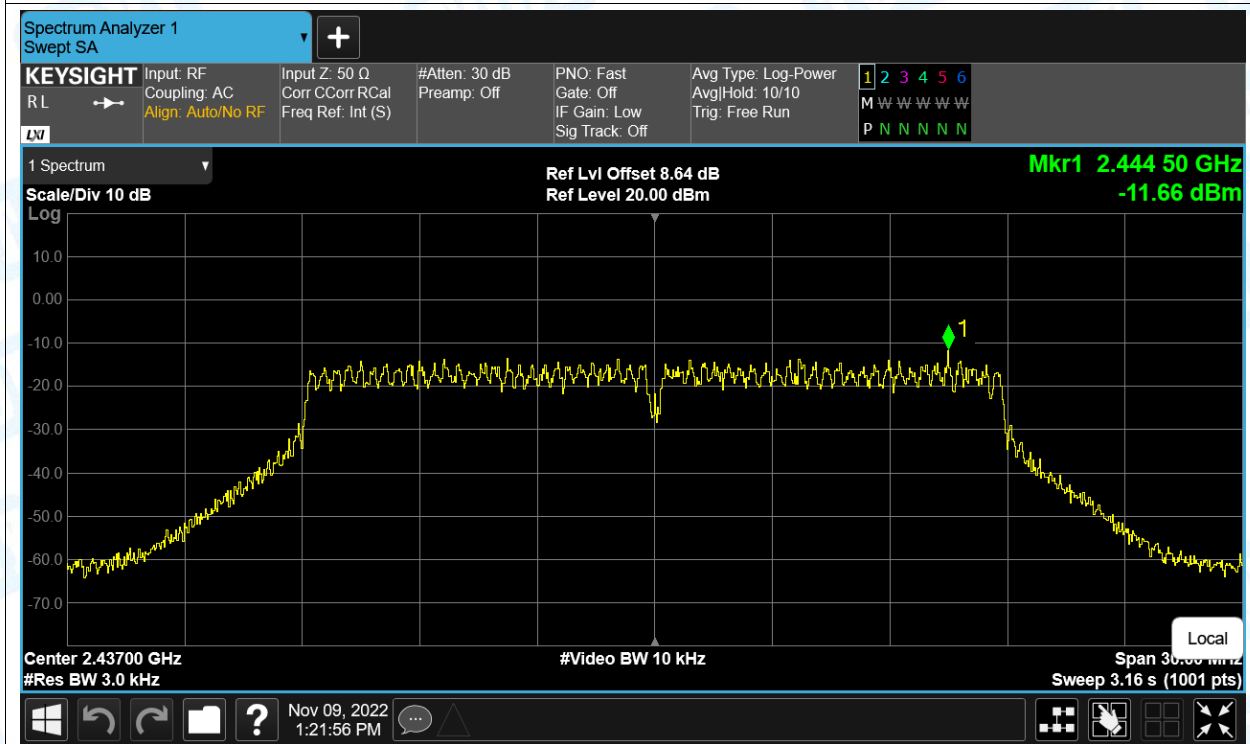
PSD NVNT g 2462MHz Ant1



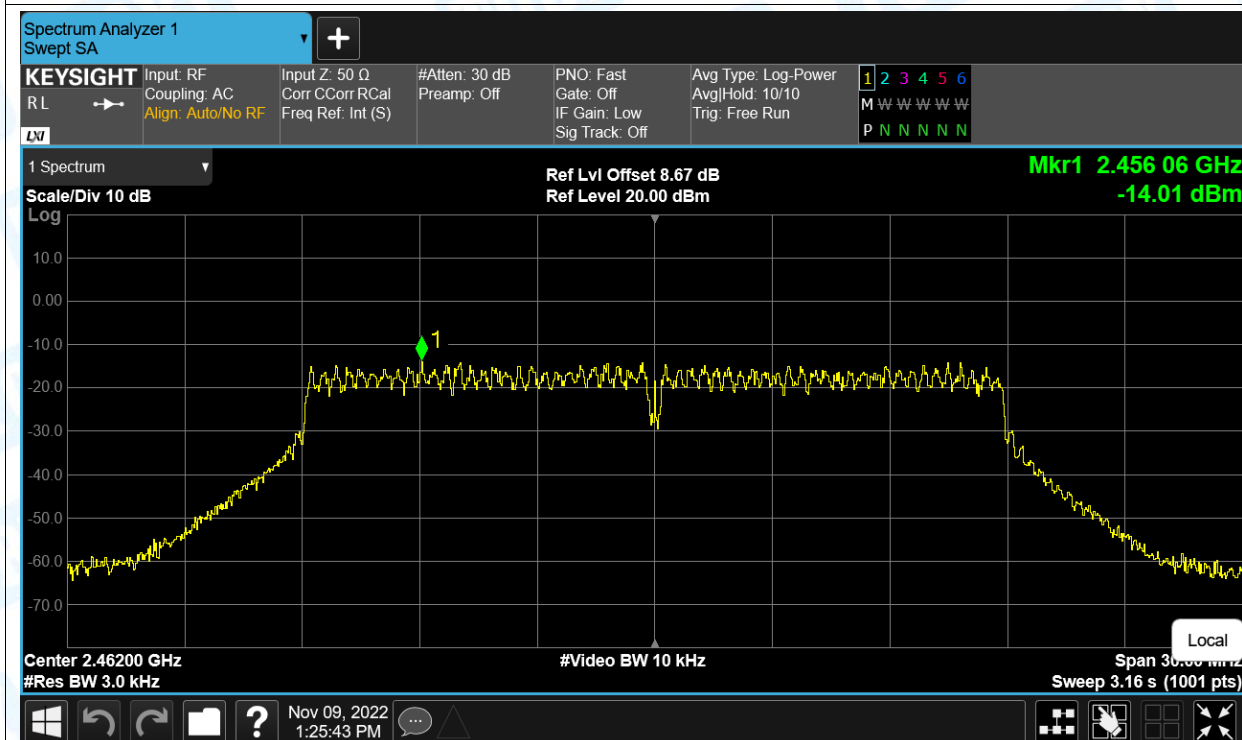
PSD NVNT n(HT20) 2412MHz Ant1



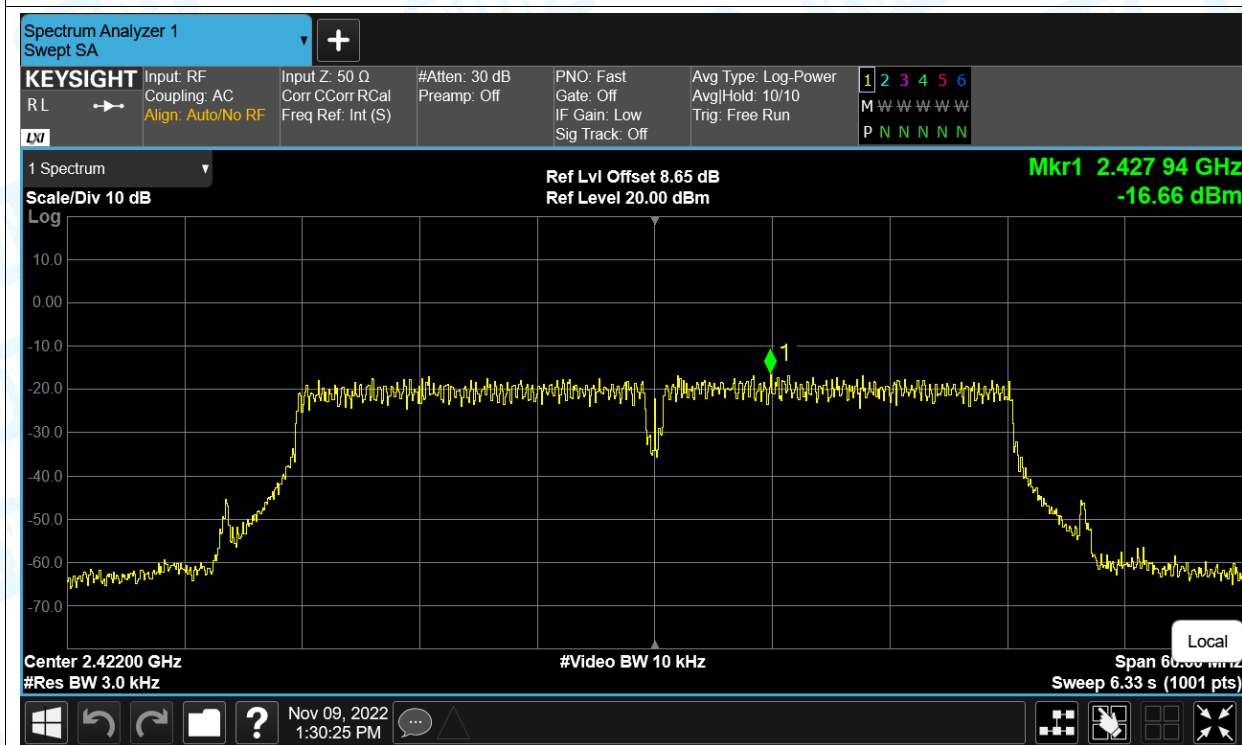
PSD NVNT n(HT20) 2437MHz Ant1

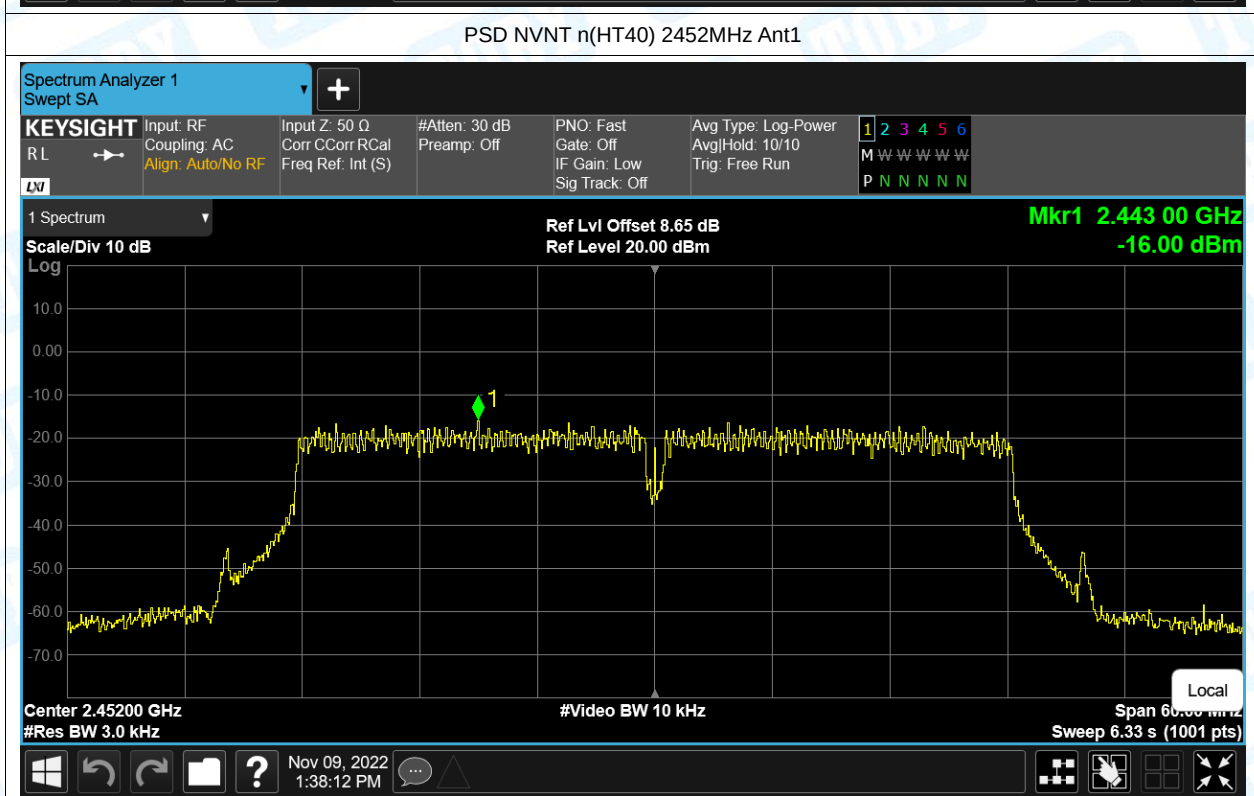
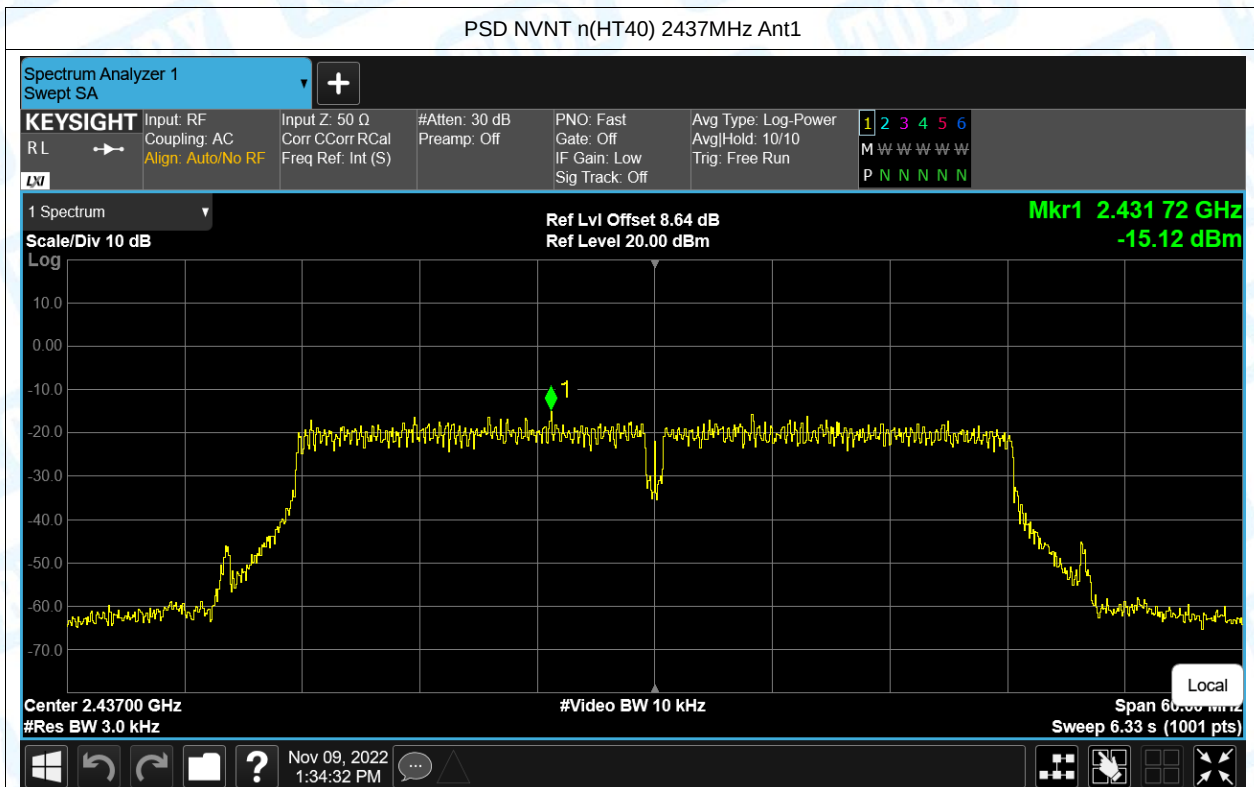


PSD NVNT n(HT20) 2462MHz Ant1



PSD NVNT n(HT40) 2422MHz Ant1



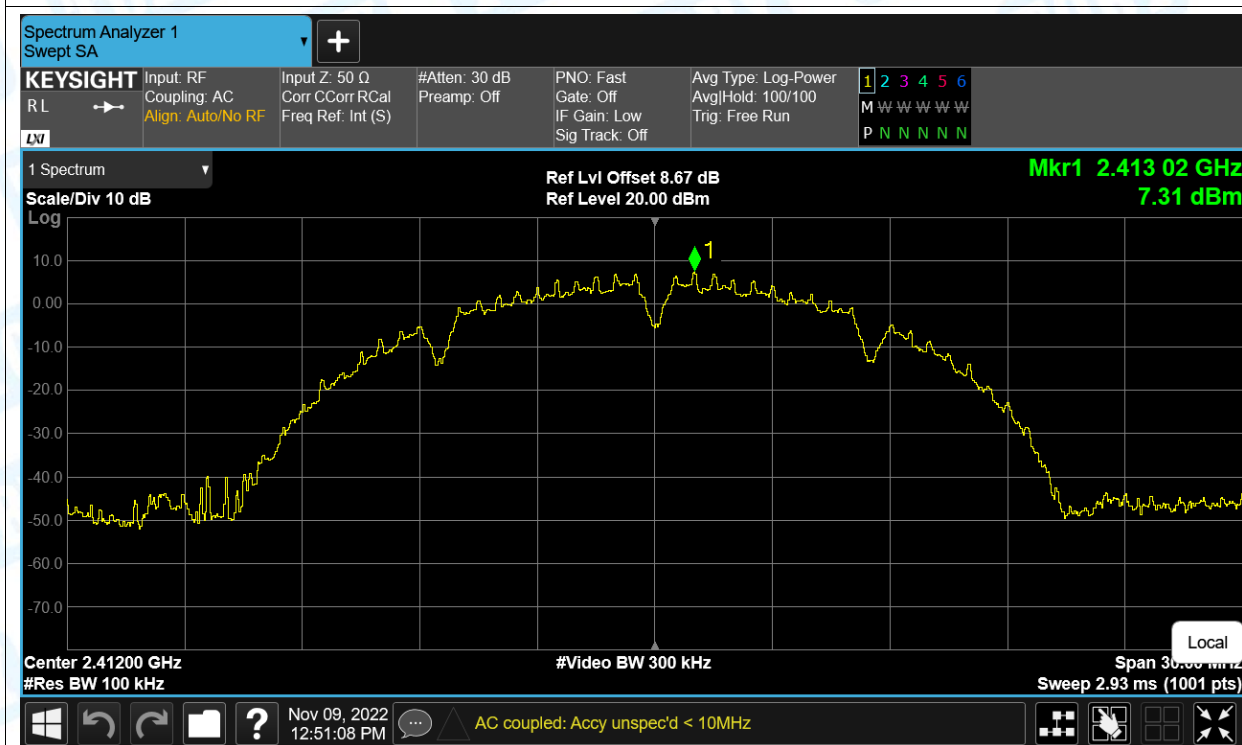


6. Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-55.86	-20	Pass
NVNT	b	2462	Ant1	-58.33	-20	Pass
NVNT	g	2412	Ant1	-48.21	-20	Pass
NVNT	g	2462	Ant1	-50.09	-20	Pass
NVNT	n(HT20)	2412	Ant1	-49.7	-20	Pass
NVNT	n(HT20)	2462	Ant1	-49.23	-20	Pass
NVNT	n(HT40)	2422	Ant1	-45.39	-20	Pass
NVNT	n(HT40)	2452	Ant1	-45.99	-20	Pass

Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission

