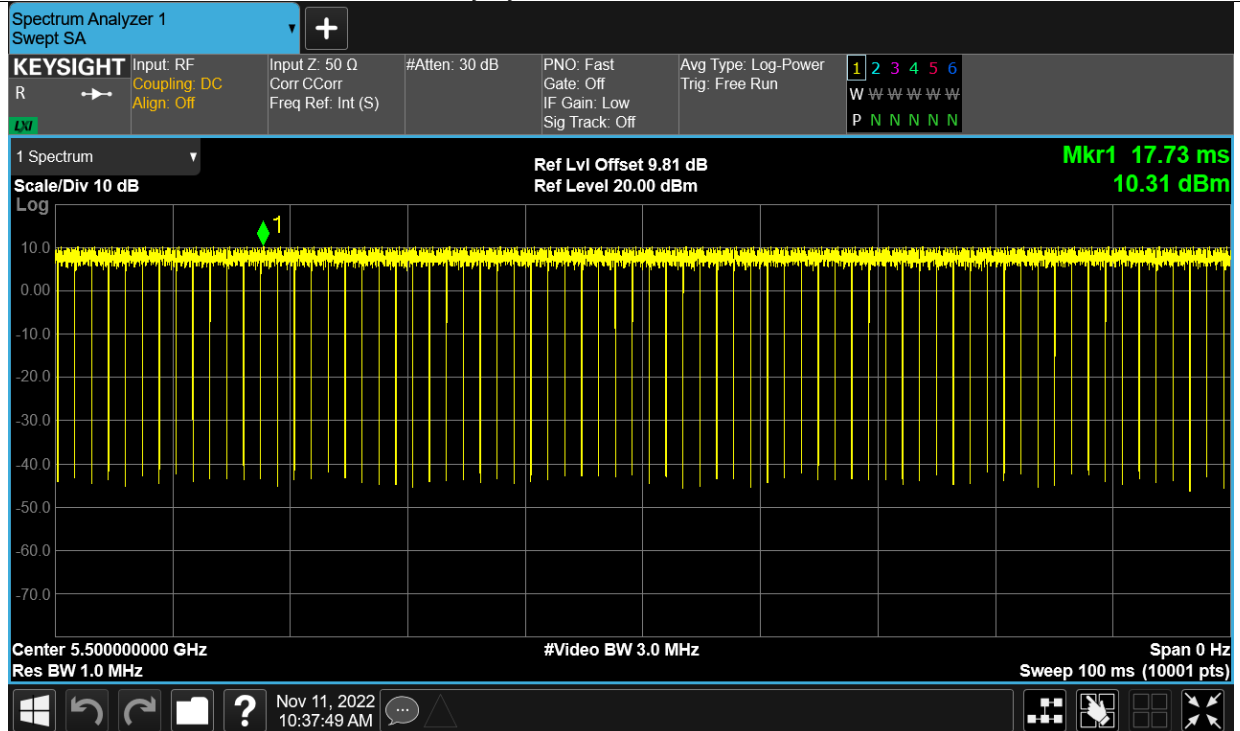
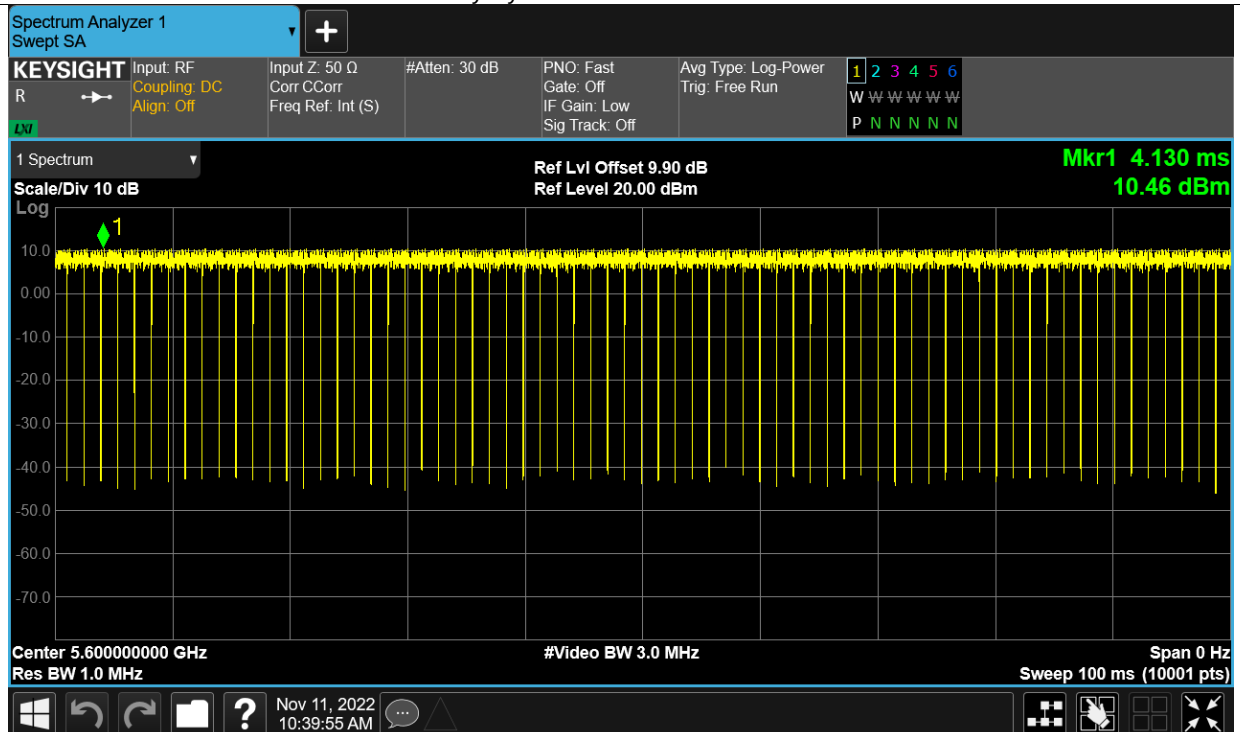


Test Graphs

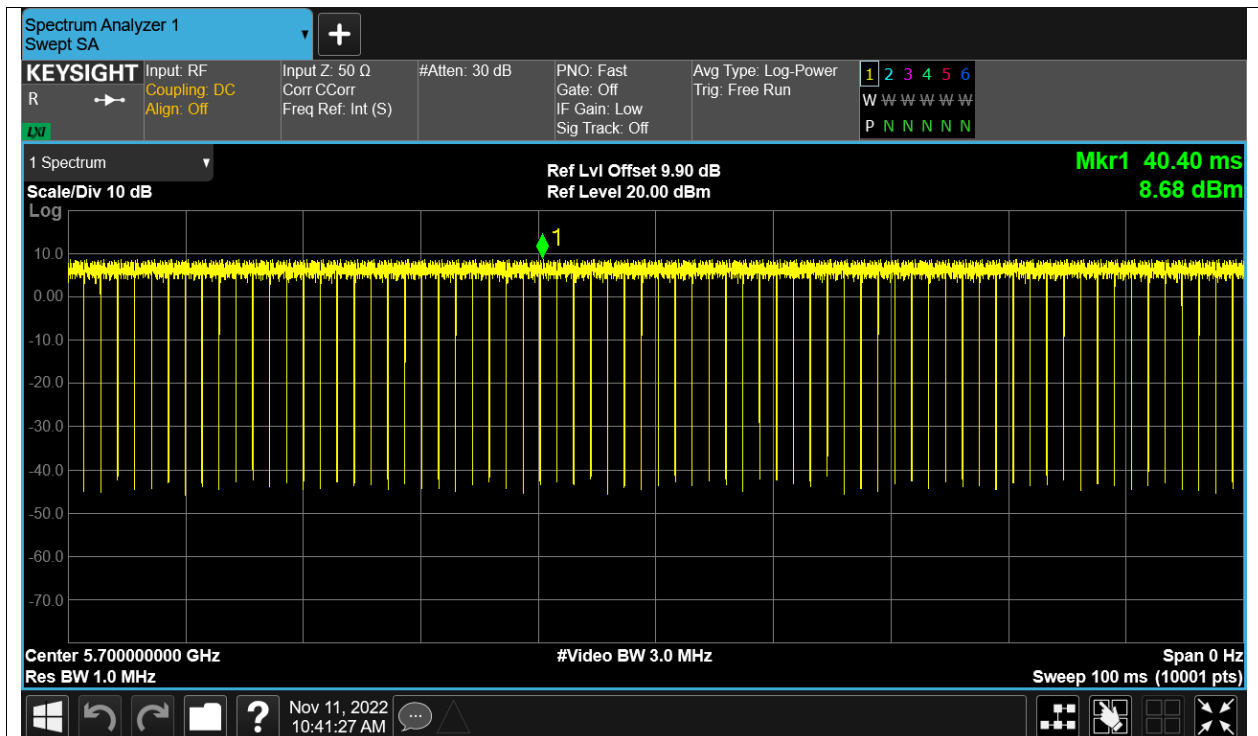
Duty Cycle NVNT a 5500MHz Ant1



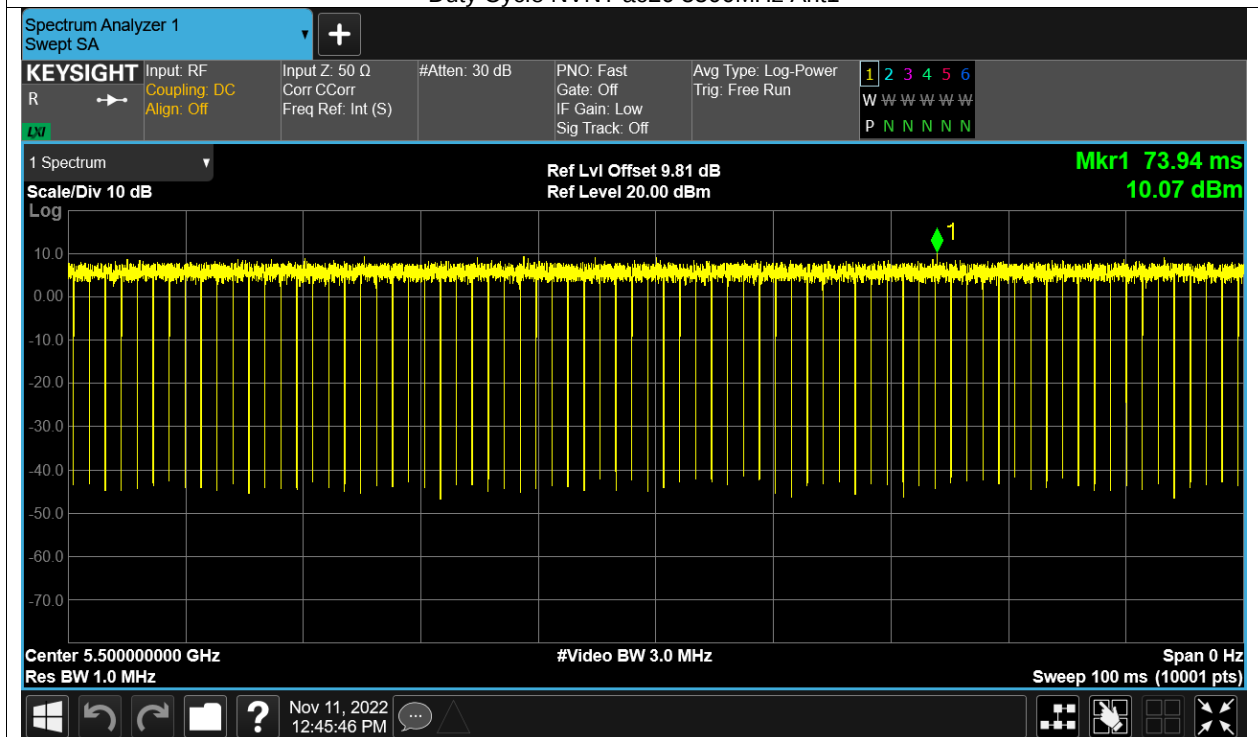
Duty Cycle NVNT a 5600MHz Ant1



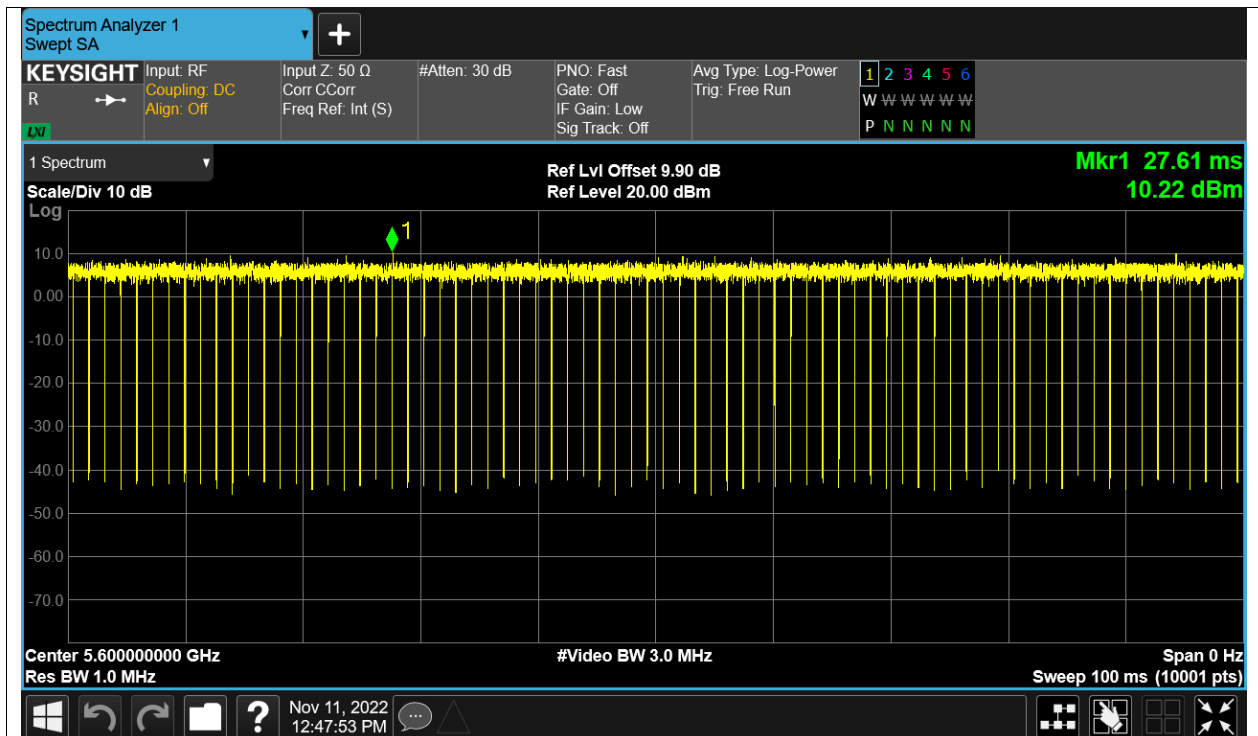
Duty Cycle NVNT a 5700MHz Ant1



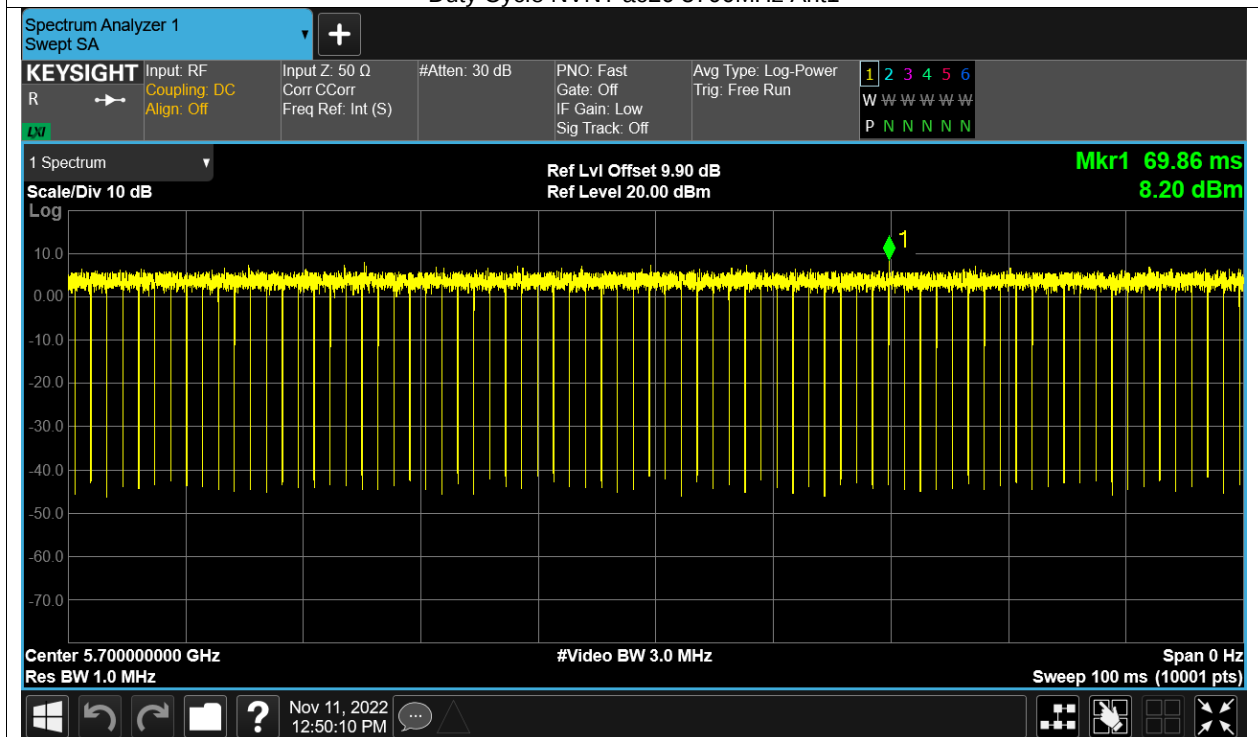
Duty Cycle NVNT ac20 5500MHz Ant1



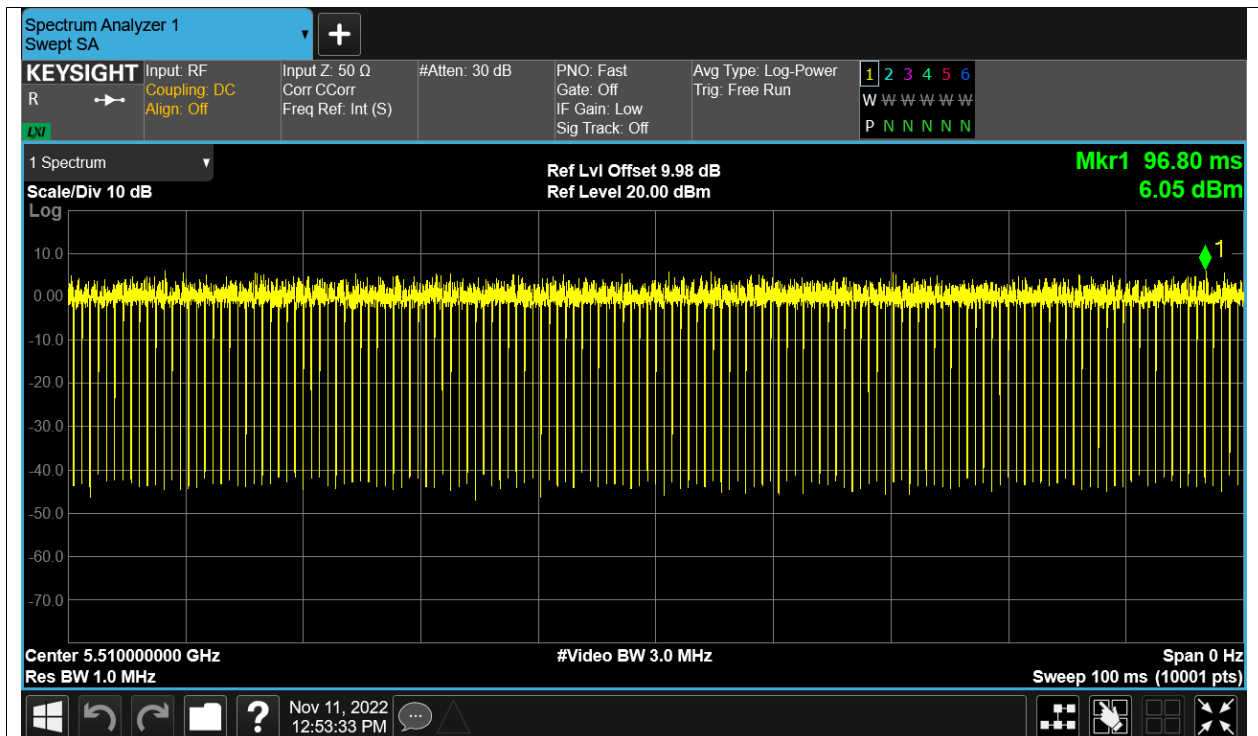
Duty Cycle NVNT ac20 5600MHz Ant1



Duty Cycle NVNT ac20 5700MHz Ant1



Duty Cycle NVNT ac40 5510MHz Ant1



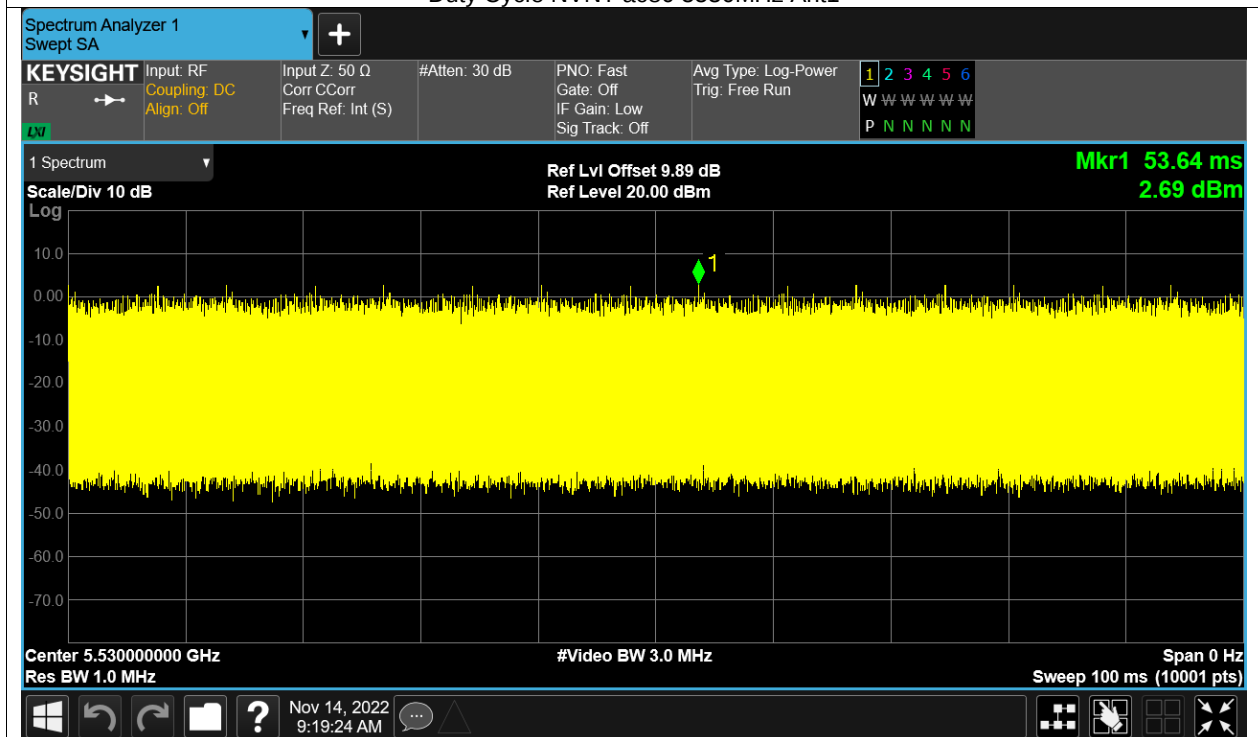
Duty Cycle NVNT ac40 5590MHz Ant1



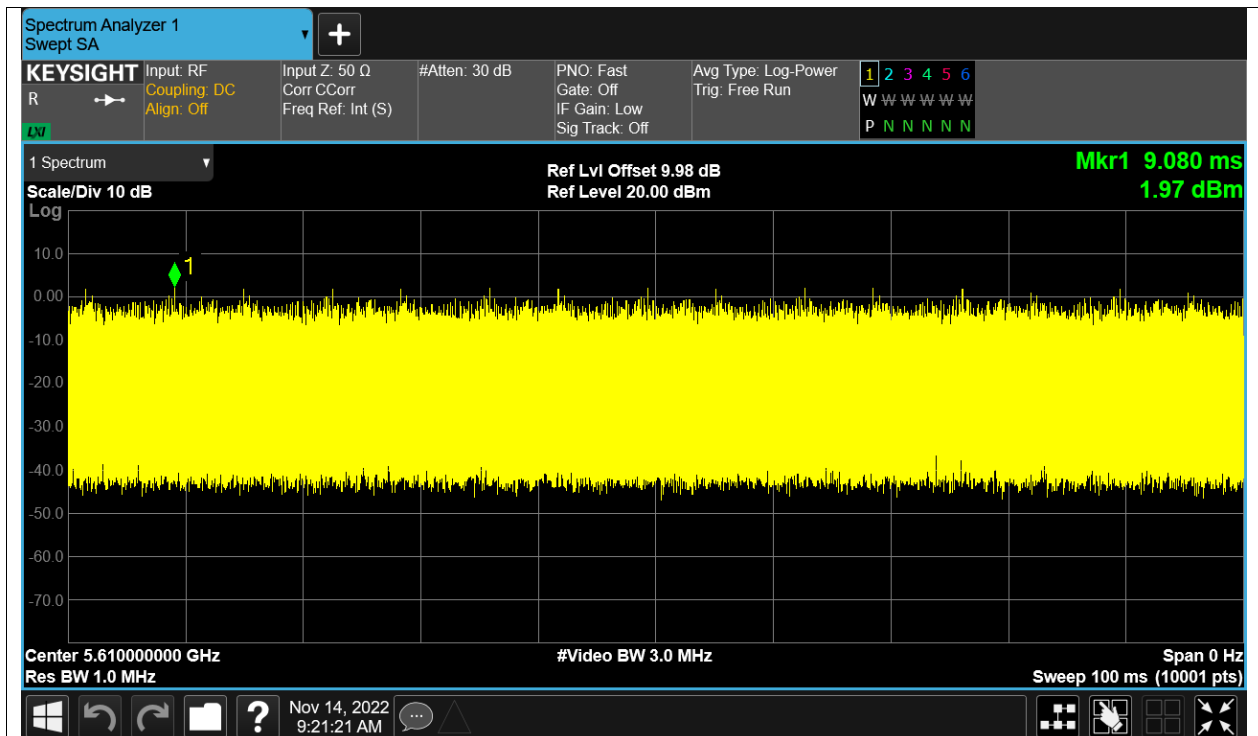
Duty Cycle NVNT ac40 5670MHz Ant1



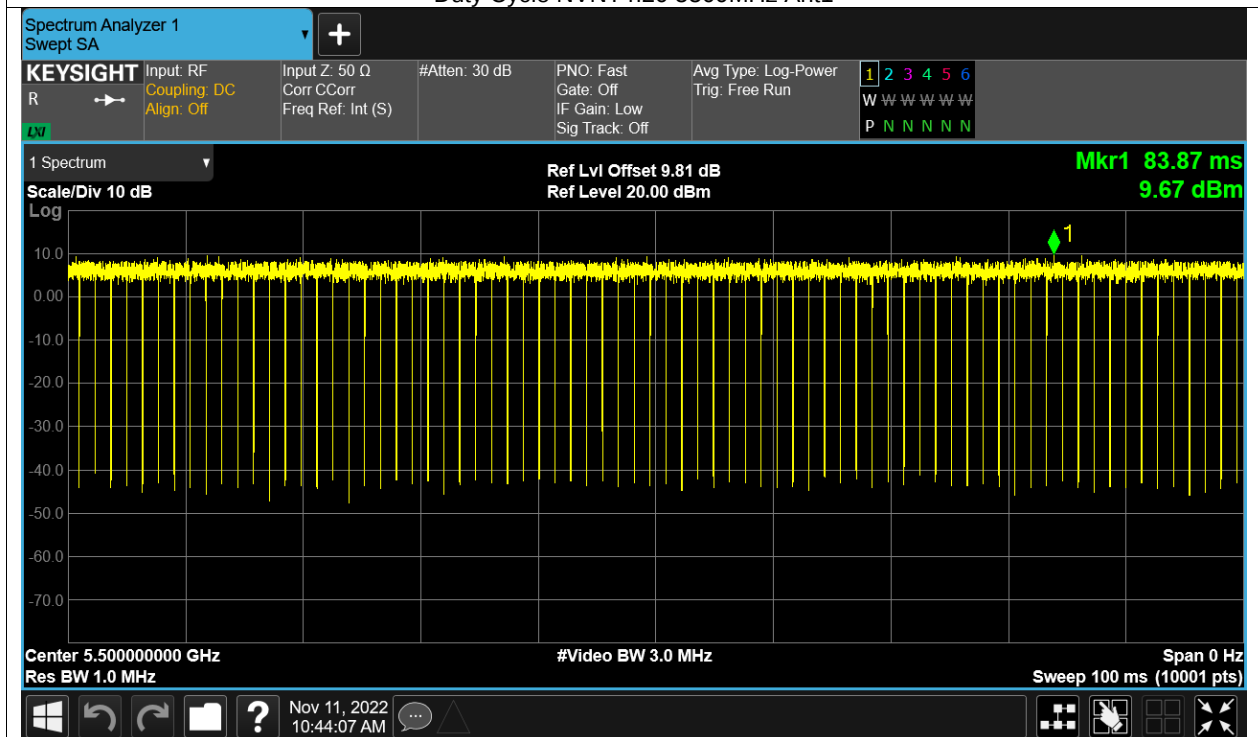
Duty Cycle NVNT ac80 5530MHz Ant1



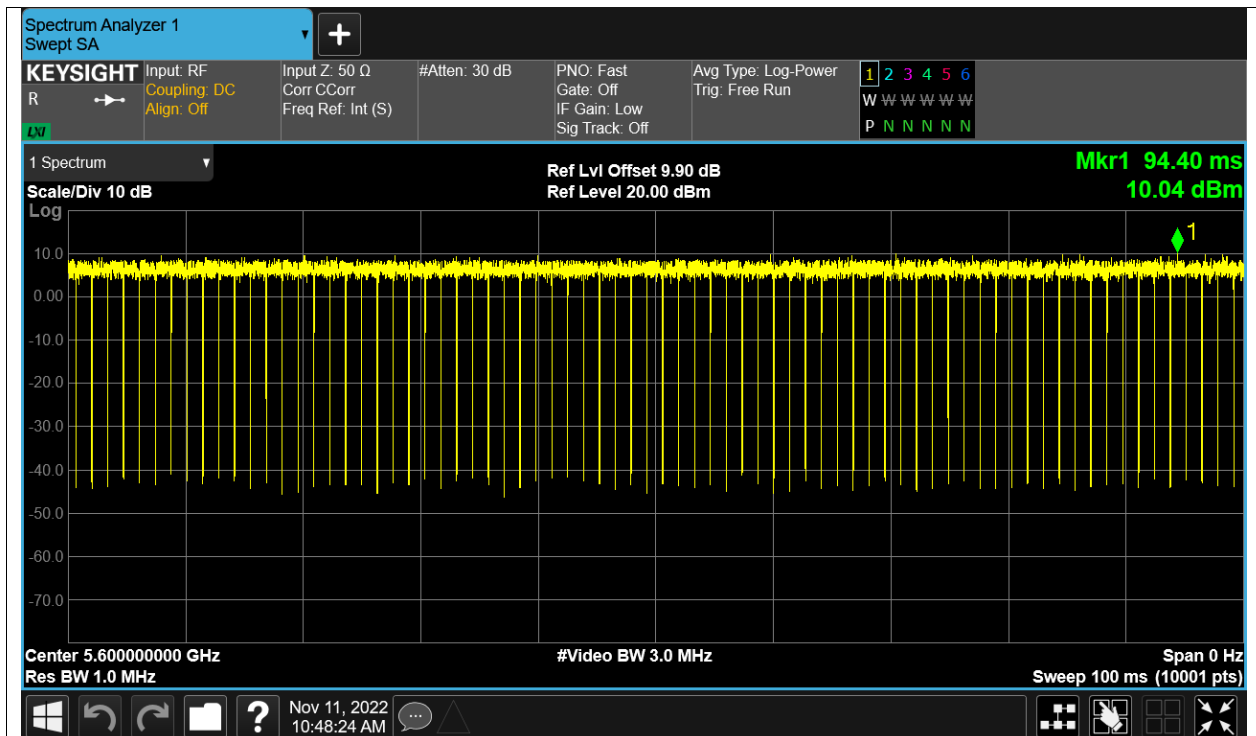
Duty Cycle NVNT ac80 5610MHz Ant1



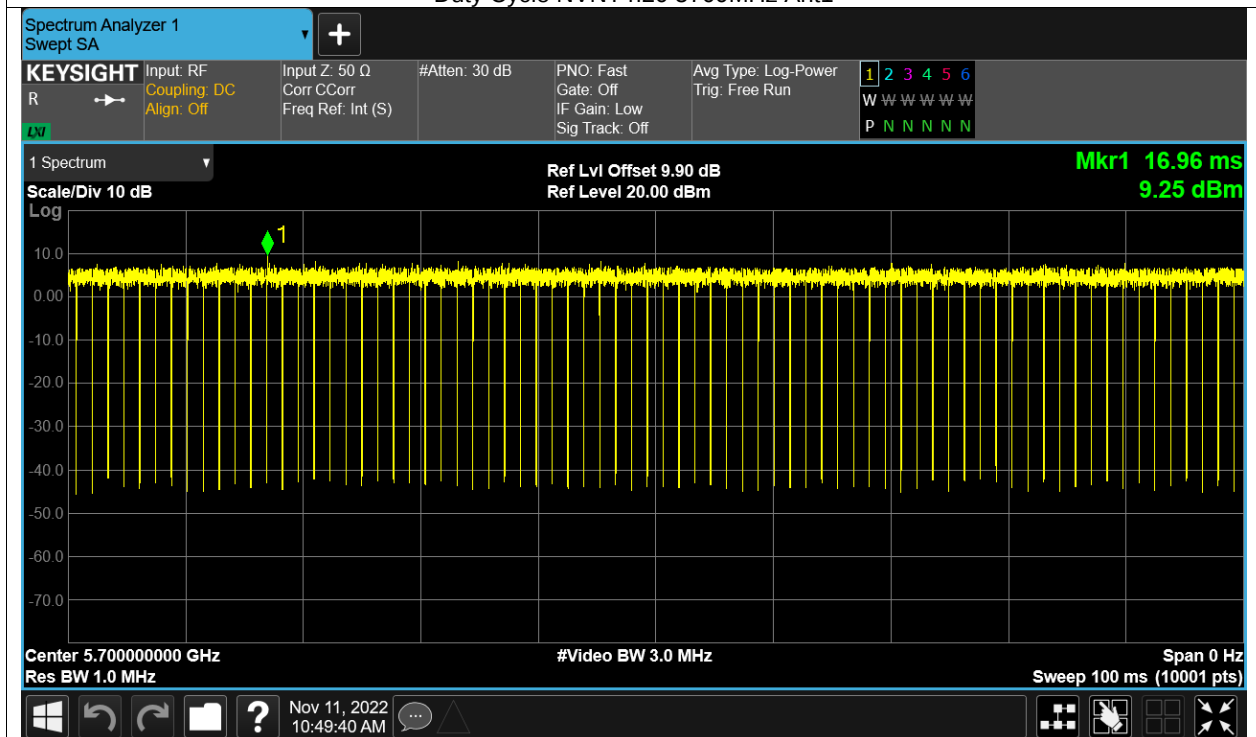
Duty Cycle NVNT n20 5500MHz Ant1



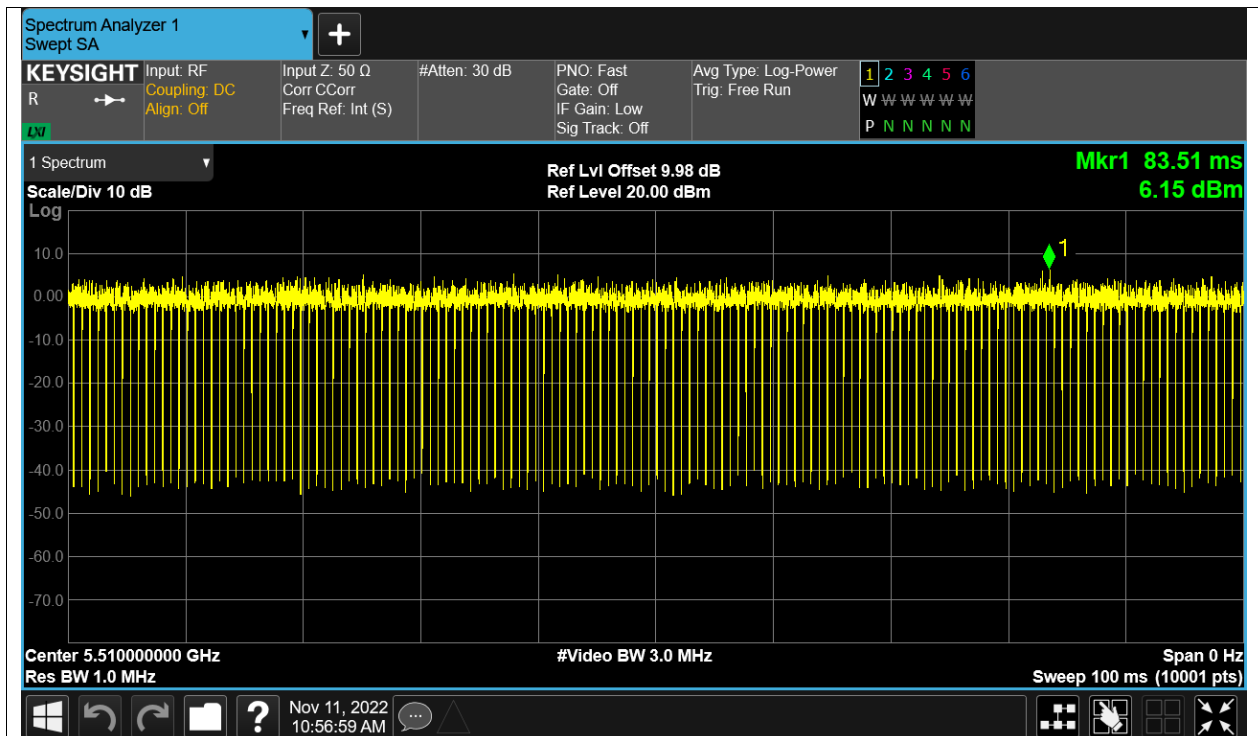
Duty Cycle NVNT n20 5600MHz Ant1



Duty Cycle NVNT n20 5700MHz Ant1



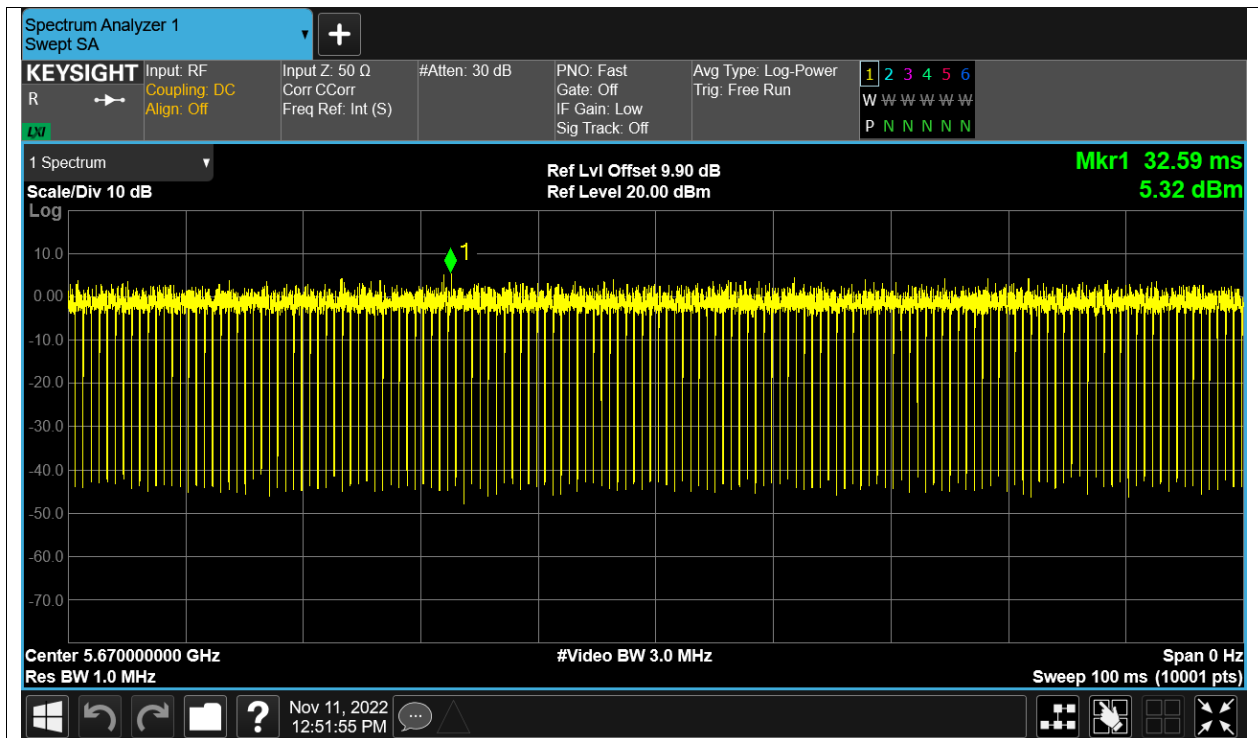
Duty Cycle NVNT n40 5510MHz Ant1



Duty Cycle NVNT n40 5590MHz Ant1



Duty Cycle NVNT n40 5670MHz Ant1



Maximum Conducted Output Power

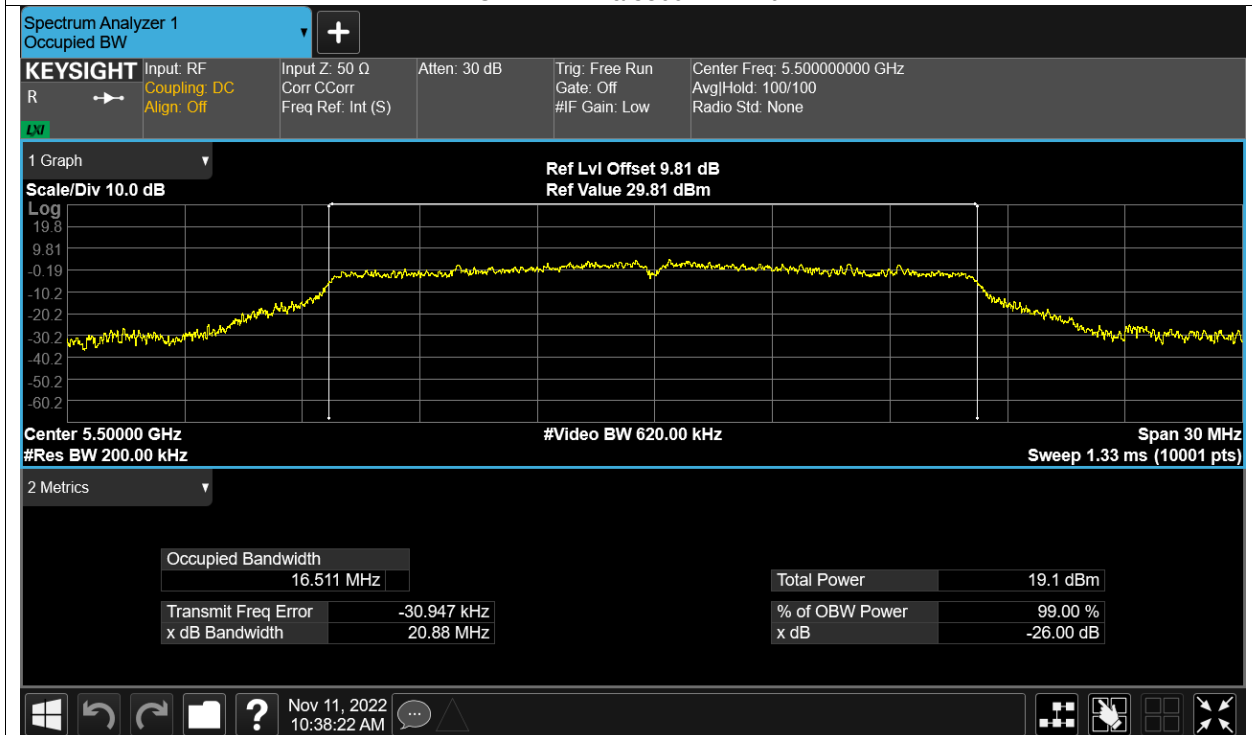
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	14.02	0.09	14.11	24	Pass
NVNT	a	5600	Ant1	14.01	0.08	14.09	24	Pass
NVNT	a	5700	Ant1	12.43	0.09	12.52	24	Pass
NVNT	ac20	5500	Ant1	11.85	0.09	11.94	24	Pass
NVNT	ac20	5600	Ant1	11.77	0.09	11.86	24	Pass
NVNT	ac20	5700	Ant1	9.95	0.09	10.04	24	Pass
NVNT	ac40	5510	Ant1	12.59	0.16	12.75	24	Pass
NVNT	ac40	5590	Ant1	12.62	0.17	12.79	24	Pass
NVNT	ac40	5670	Ant1	11.35	0.18	11.53	24	Pass
NVNT	ac80	5530	Ant1	11.22	1.26	12.48	24	Pass
NVNT	ac80	5610	Ant1	10.75	1.25	12	24	Pass
NVNT	n20	5500	Ant1	12.54	0.09	12.63	24	Pass
NVNT	n20	5600	Ant1	12.61	0.09	12.7	24	Pass
NVNT	n20	5700	Ant1	11.97	0.09	12.06	24	Pass
NVNT	n40	5510	Ant1	12.36	0.16	12.52	24	Pass
NVNT	n40	5590	Ant1	12.42	0.16	12.58	24	Pass
NVNT	n40	5670	Ant1	11.39	0.17	11.56	24	Pass

Occupied Channel Bandwidth

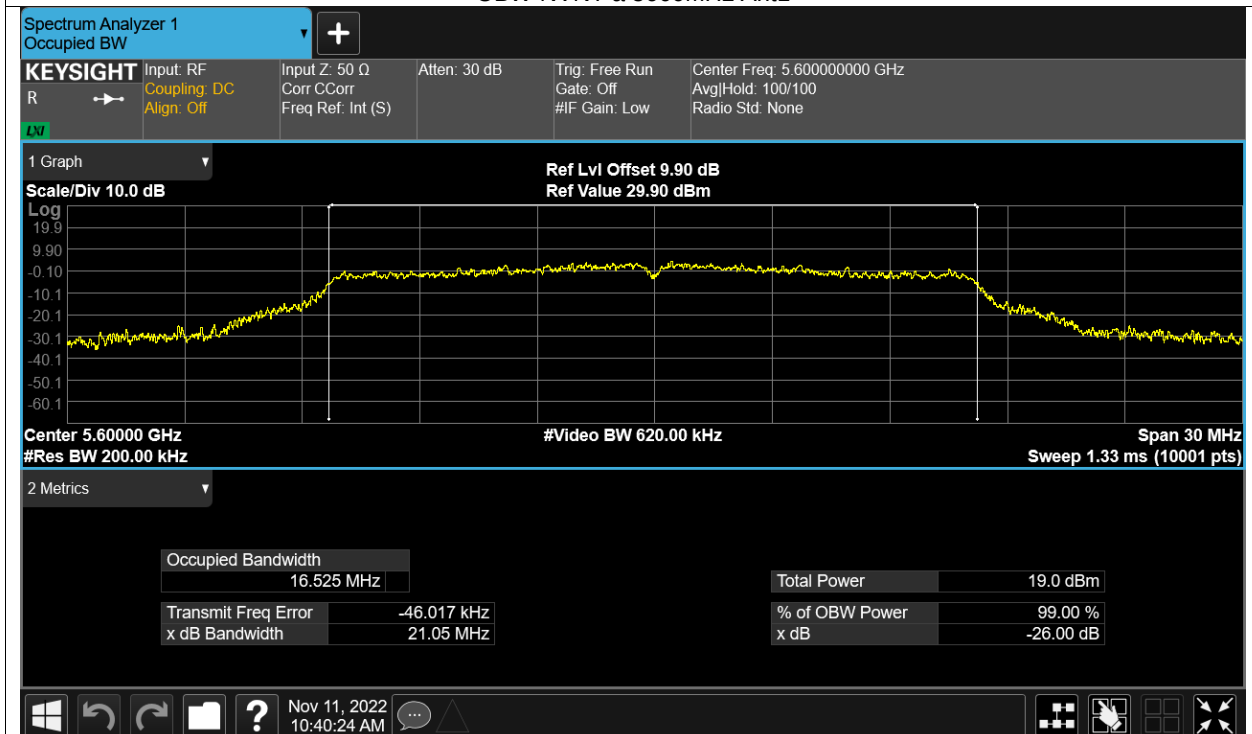
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant1	16.511
NVNT	a	5600	Ant1	16.525
NVNT	a	5700	Ant1	16.507
NVNT	ac20	5500	Ant1	17.651
NVNT	ac20	5600	Ant1	17.62
NVNT	ac20	5700	Ant1	17.649
NVNT	ac40	5510	Ant1	36.037
NVNT	ac40	5590	Ant1	36.006
NVNT	ac40	5670	Ant1	36.028
NVNT	ac80	5530	Ant1	75.16
NVNT	ac80	5610	Ant1	75.307
NVNT	n20	5500	Ant1	17.636
NVNT	n20	5600	Ant1	17.657
NVNT	n20	5700	Ant1	17.693
NVNT	n40	5510	Ant1	35.987
NVNT	n40	5590	Ant1	36.061
NVNT	n40	5670	Ant1	36.079

Test Graphs

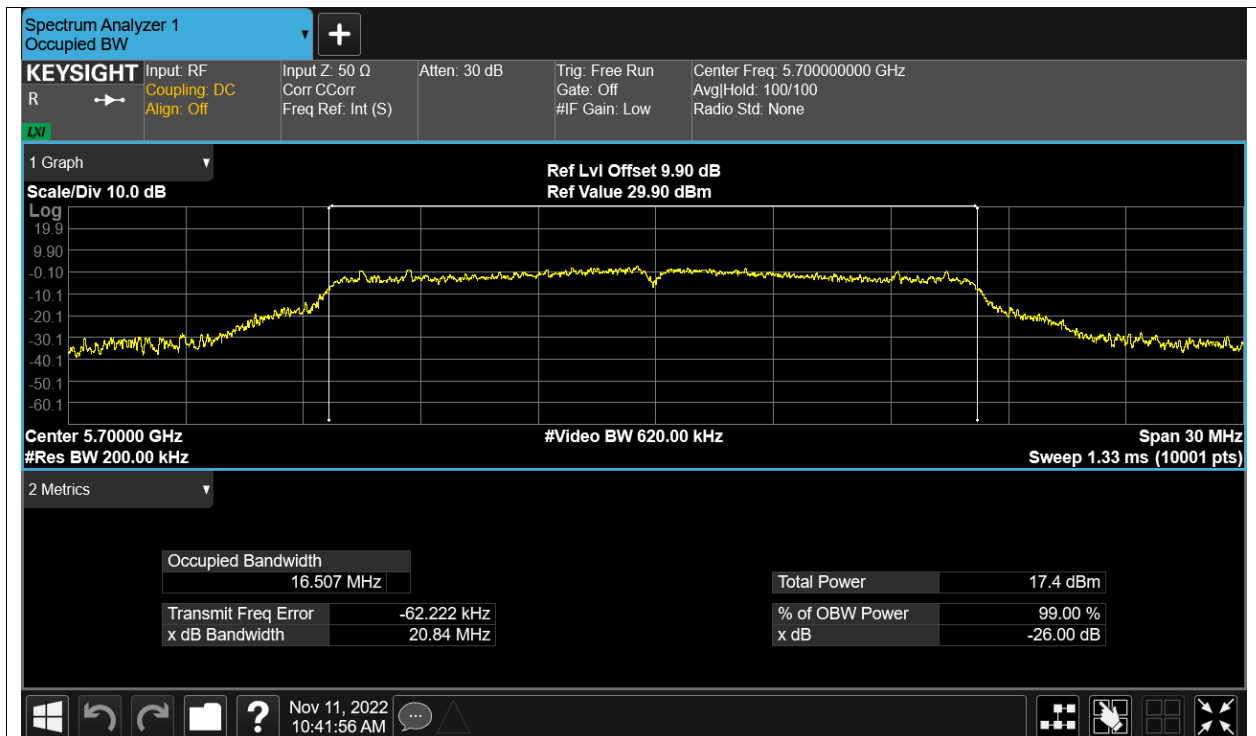
OBW NVNT a 5500MHz Ant1



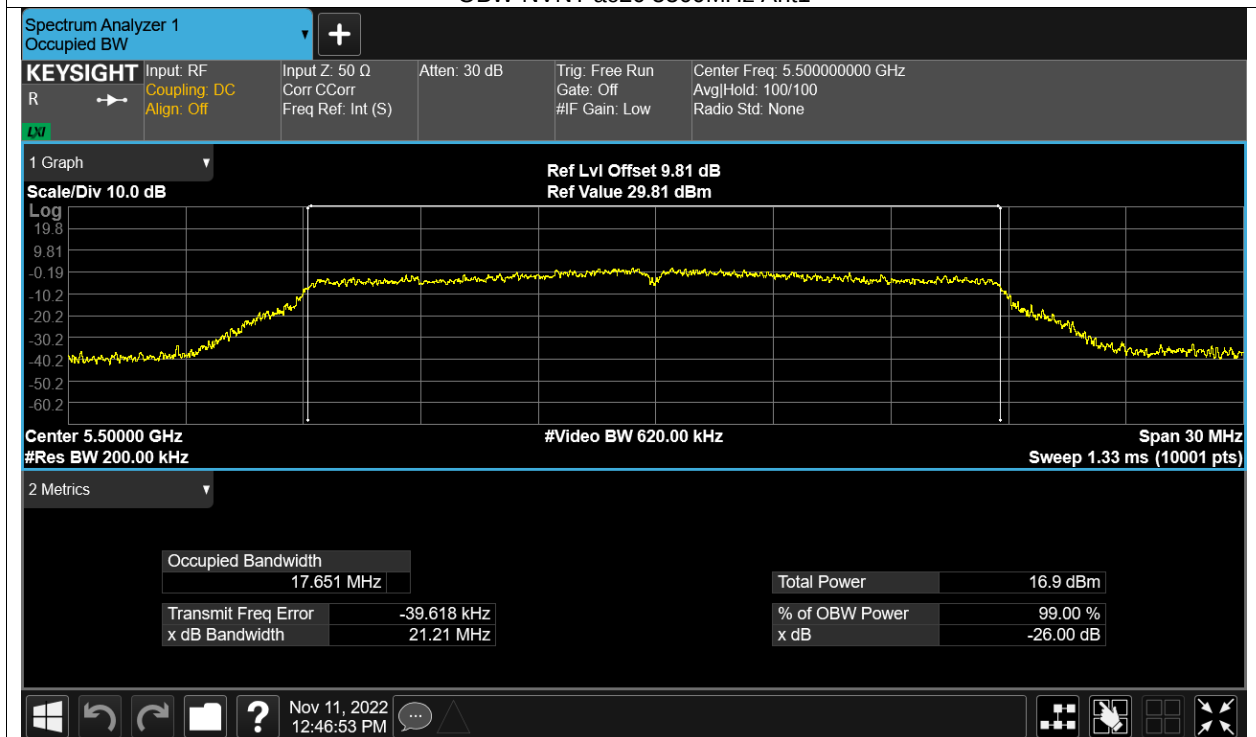
OBW NVNT a 5600MHz Ant1



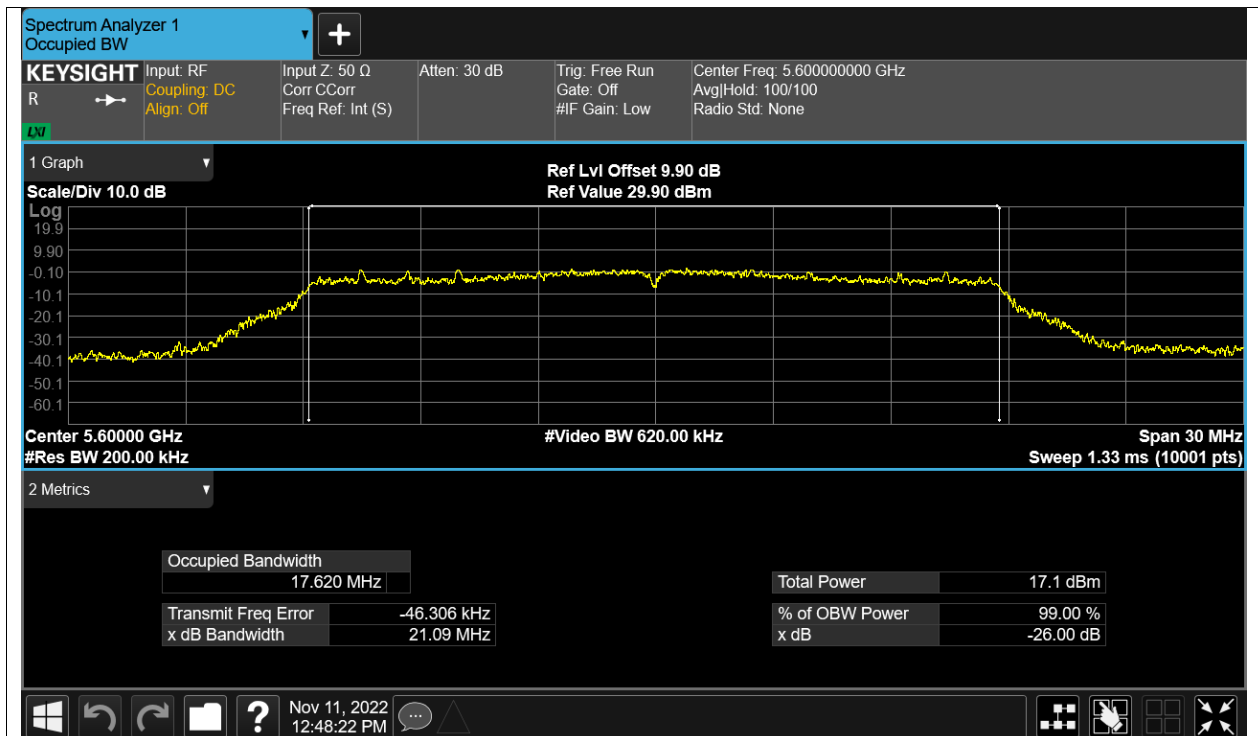
OBW NVNT a 5700MHz Ant1



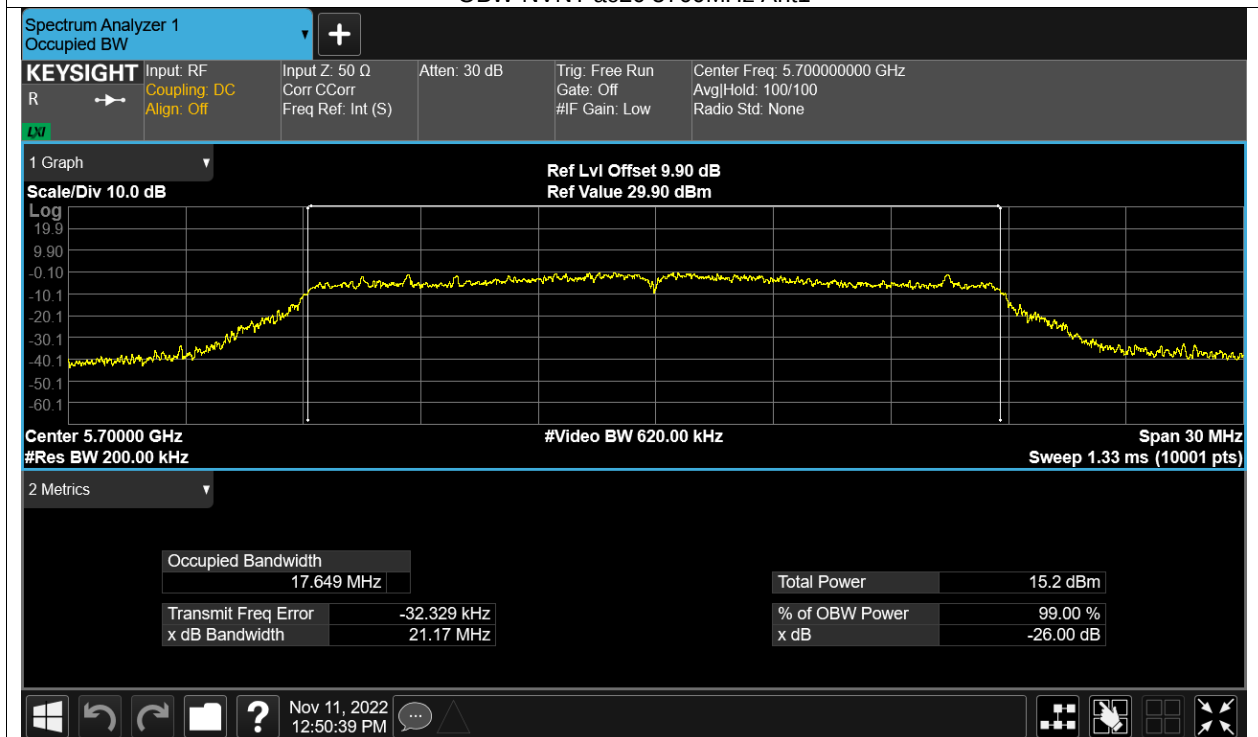
OBW NVNT ac20 5500MHz Ant1



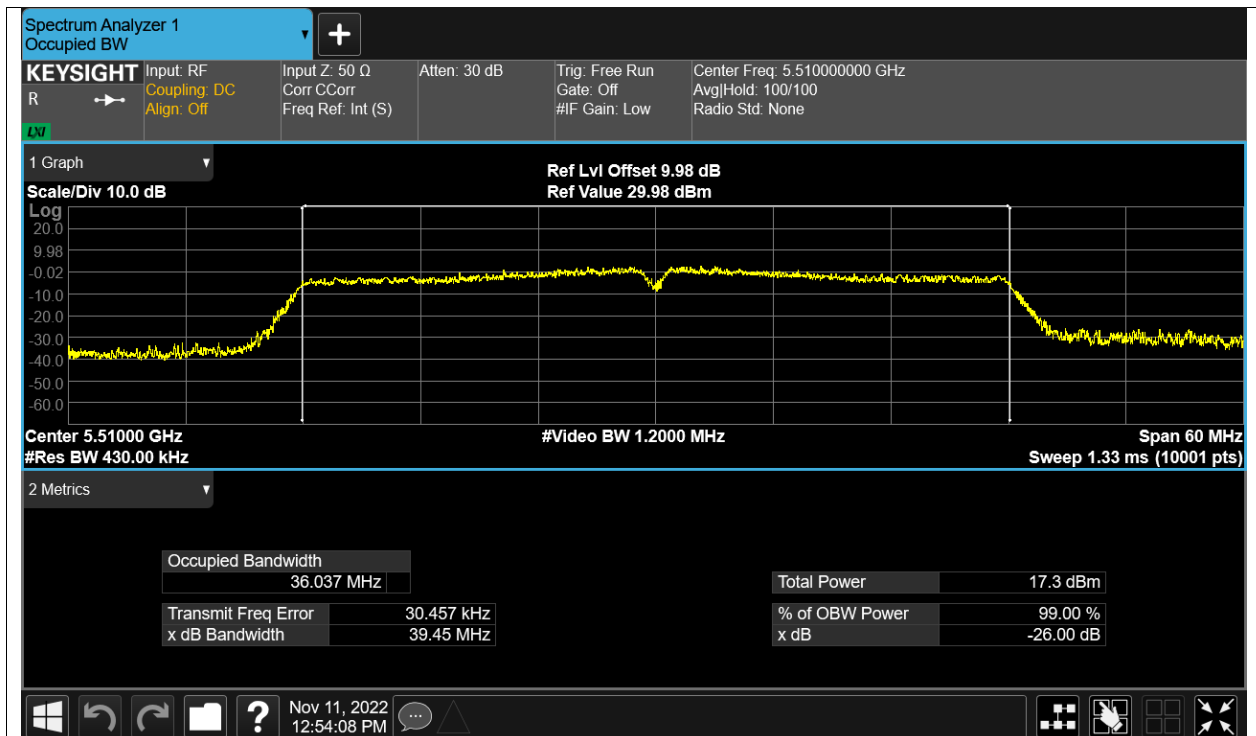
OBW NVNT ac20 5600MHz Ant1



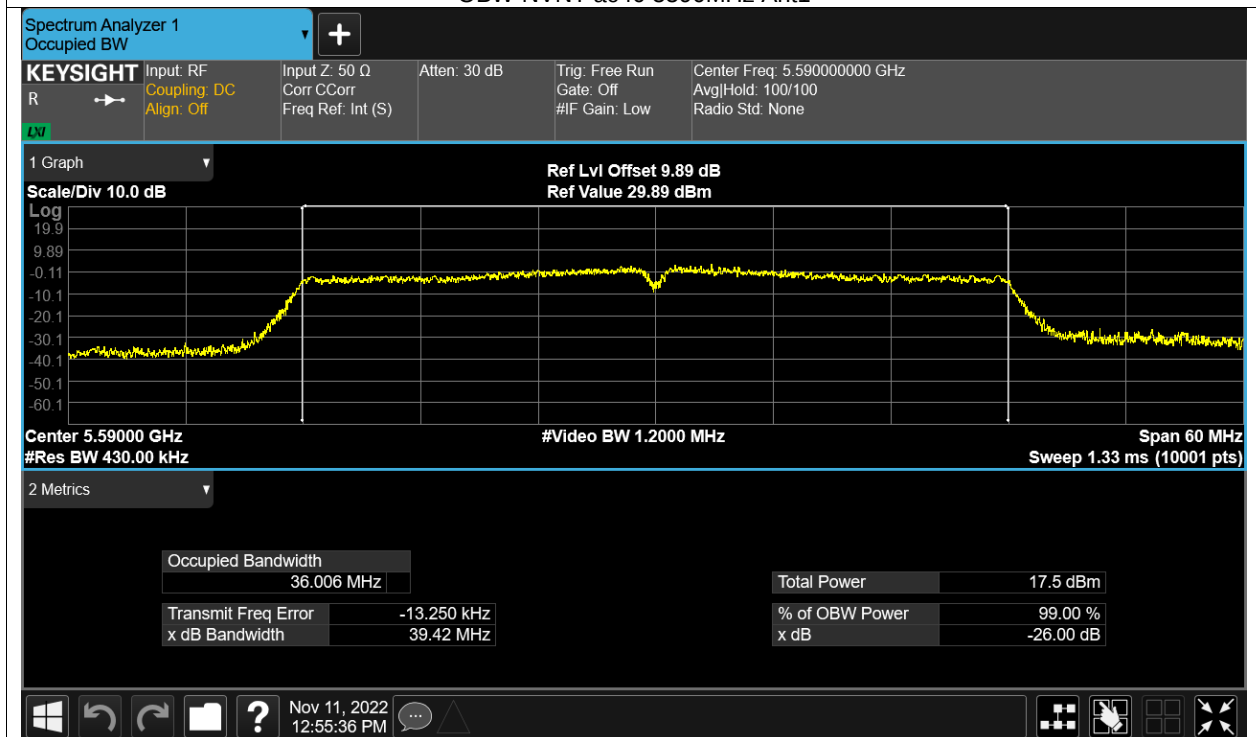
OBW NVNT ac20 5700MHz Ant1



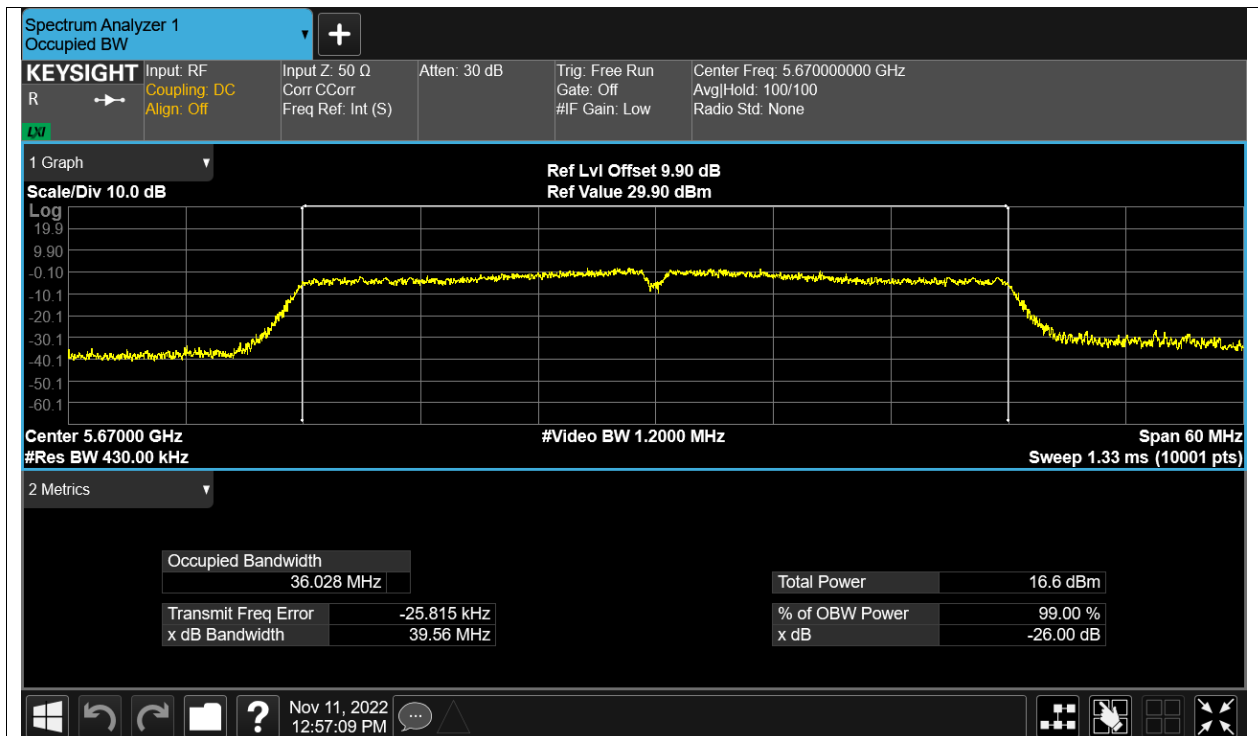
OBW NVNT ac40 5510MHz Ant1



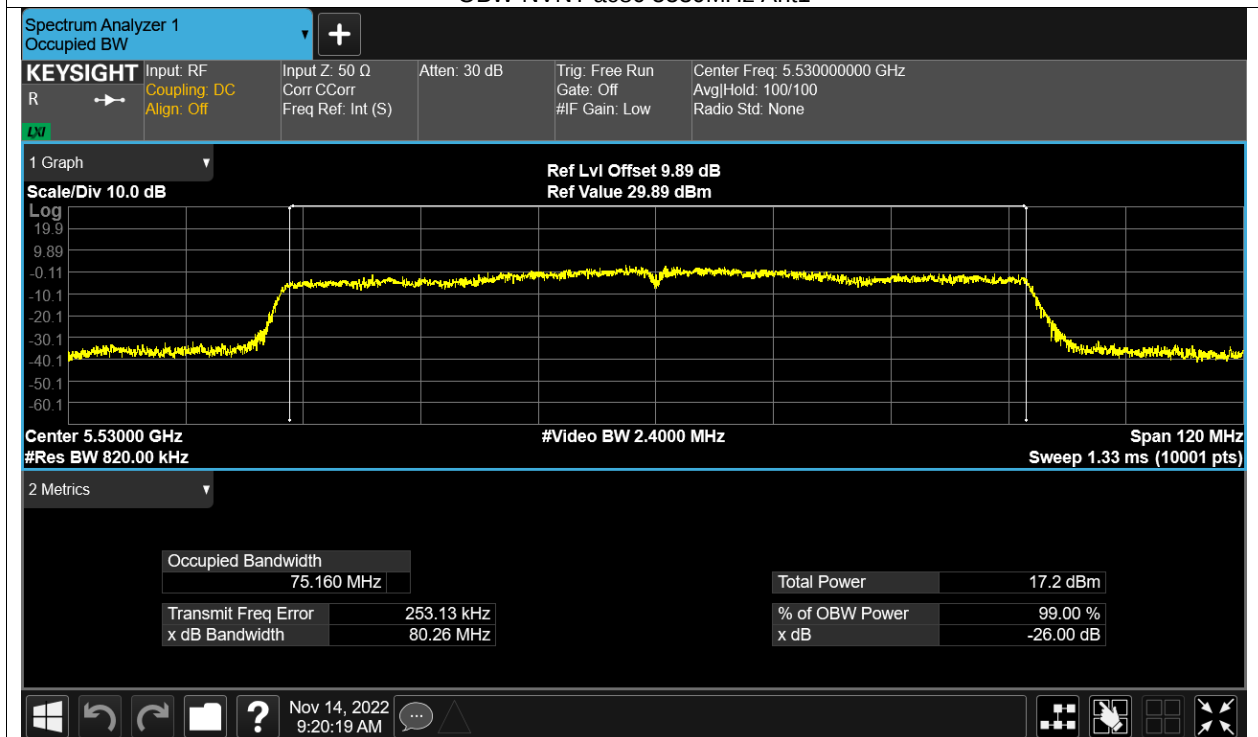
OBW NVNT ac40 5590MHz Ant1



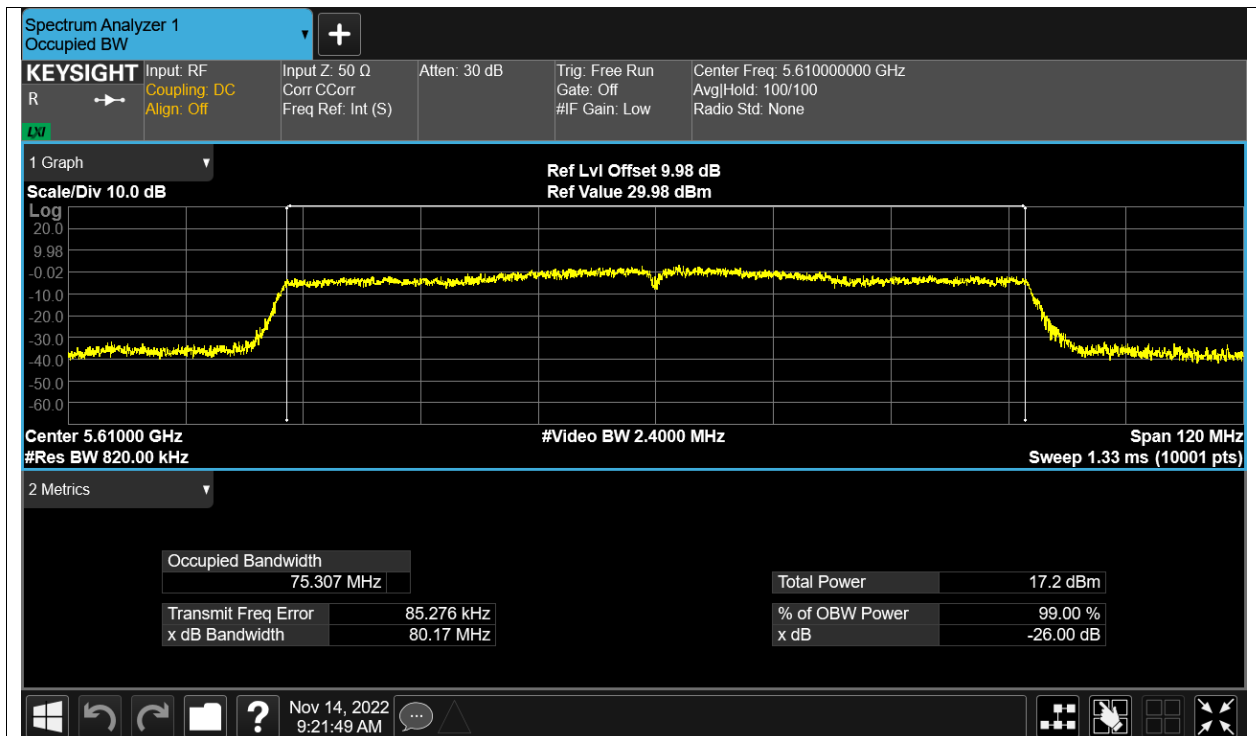
OBW NVNT ac40 5670MHz Ant1



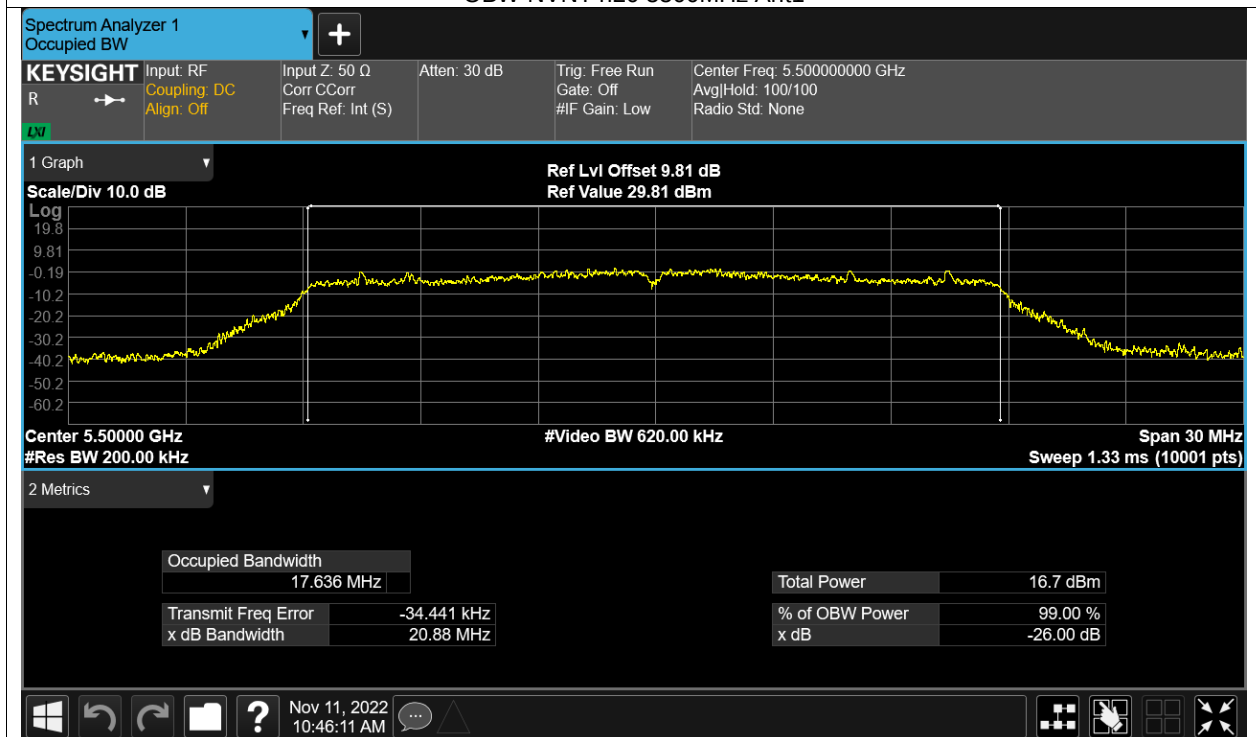
OBW NVNT ac80 5530MHz Ant1



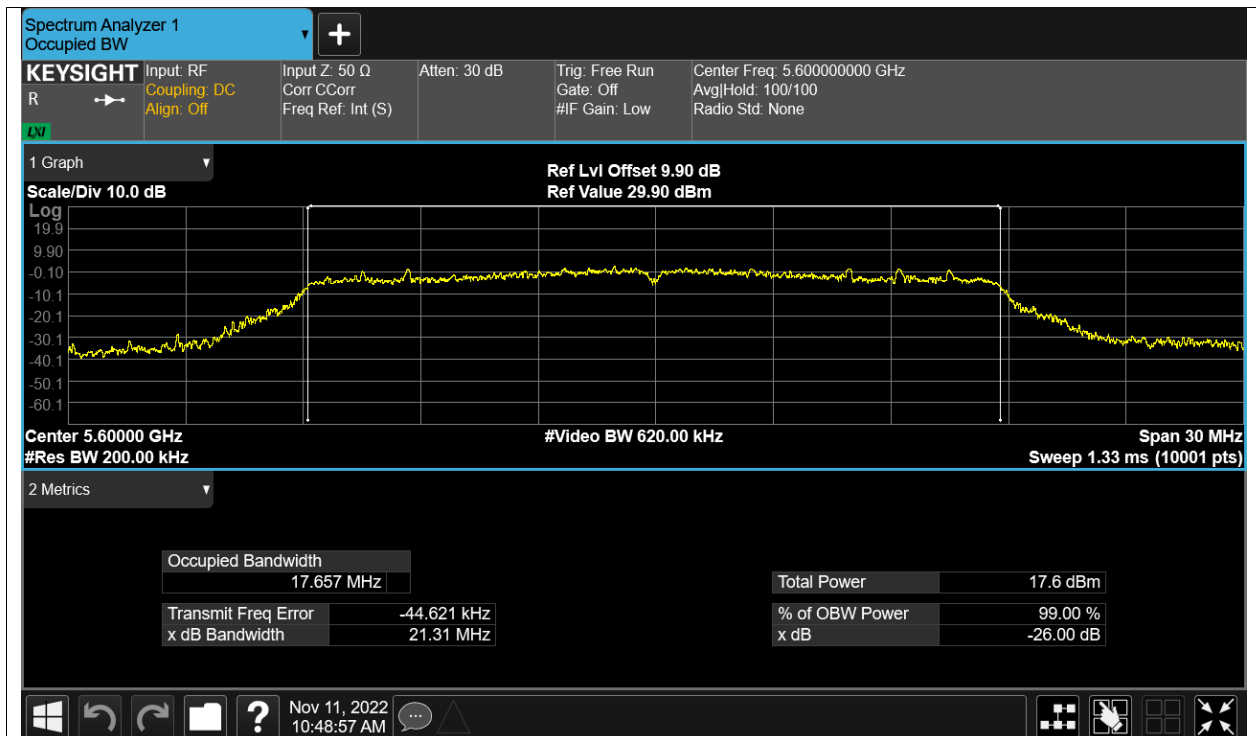
OBW NVNT ac80 5610MHz Ant1



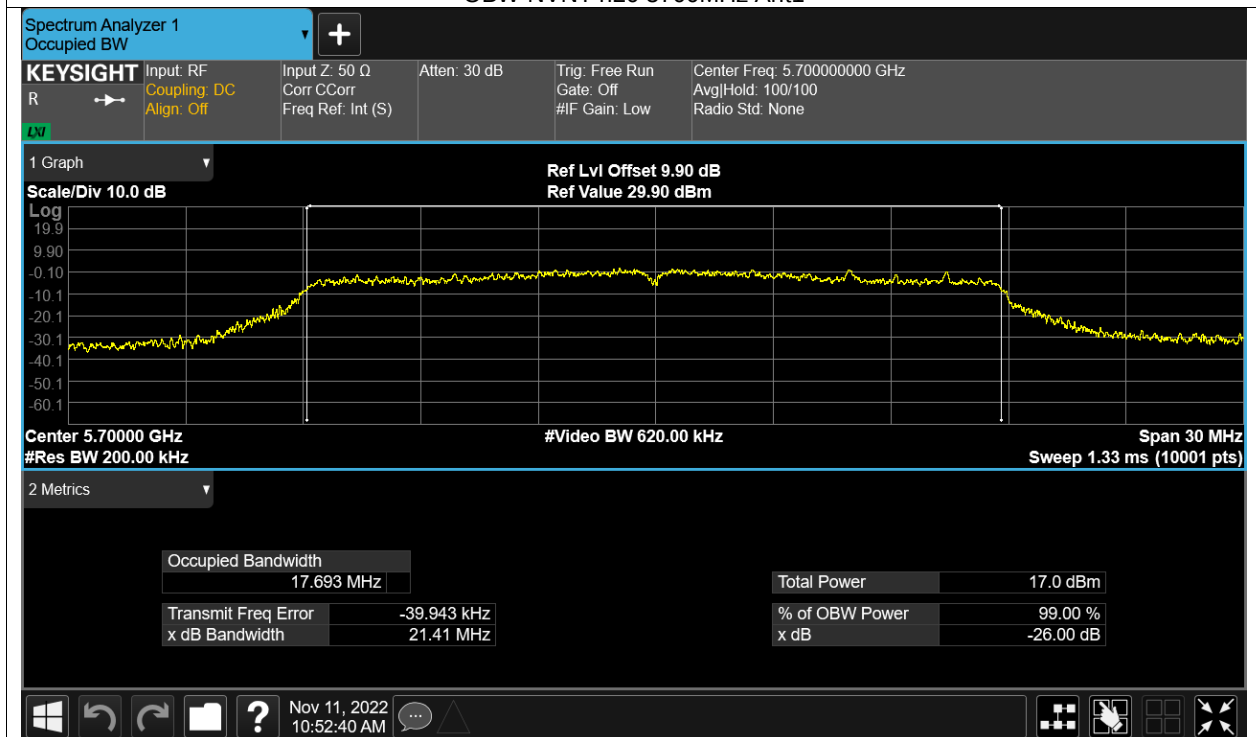
OBW NVNT n20 5500MHz Ant1



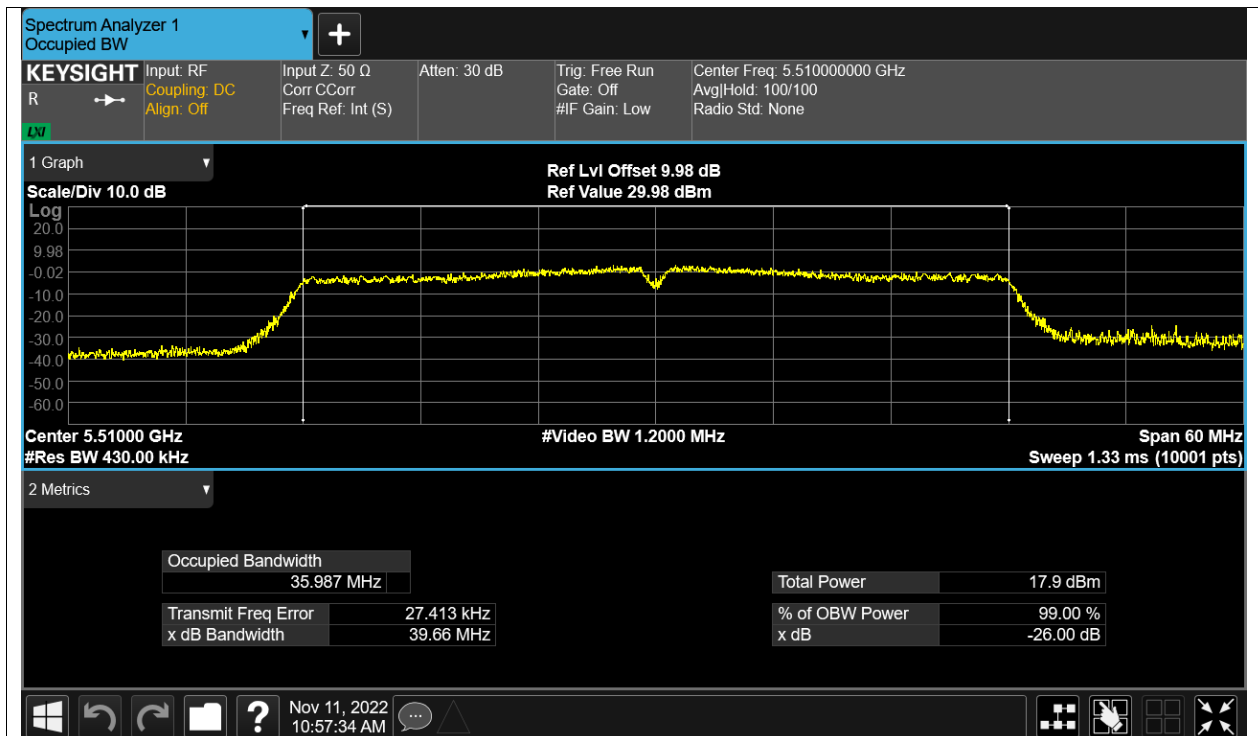
OBW NVNT n20 5600MHz Ant1



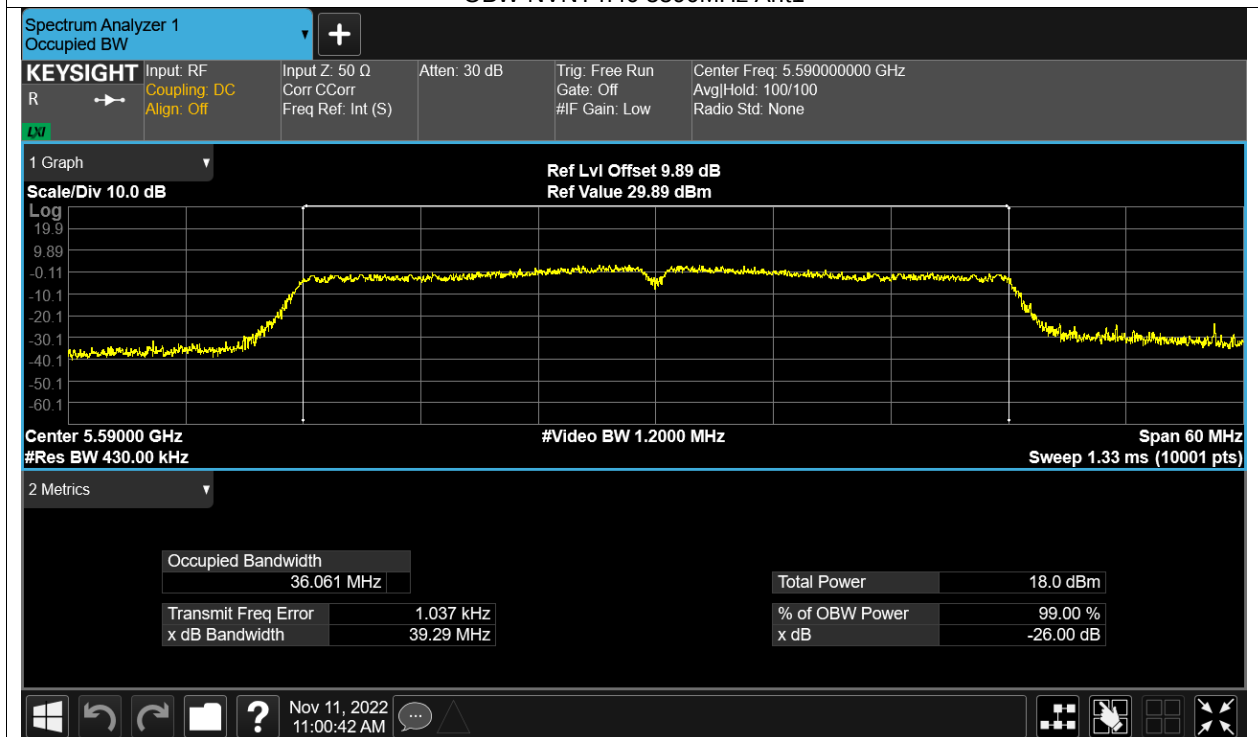
OBW NVNT n20 5700MHz Ant1



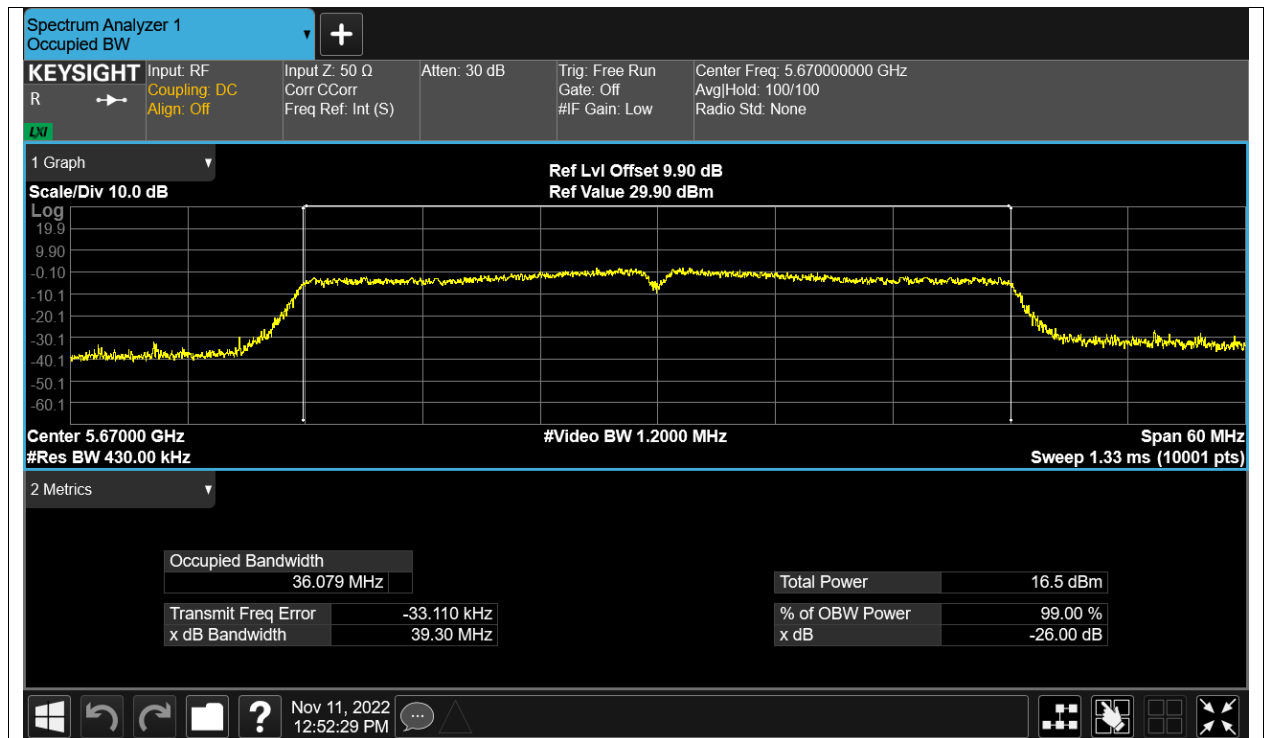
OBW NVNT n40 5510MHz Ant1



OBW NVNT n40 5590MHz Ant1



OBW NVNT n40 5670MHz Ant1



Maximum Power Spectral Density Level

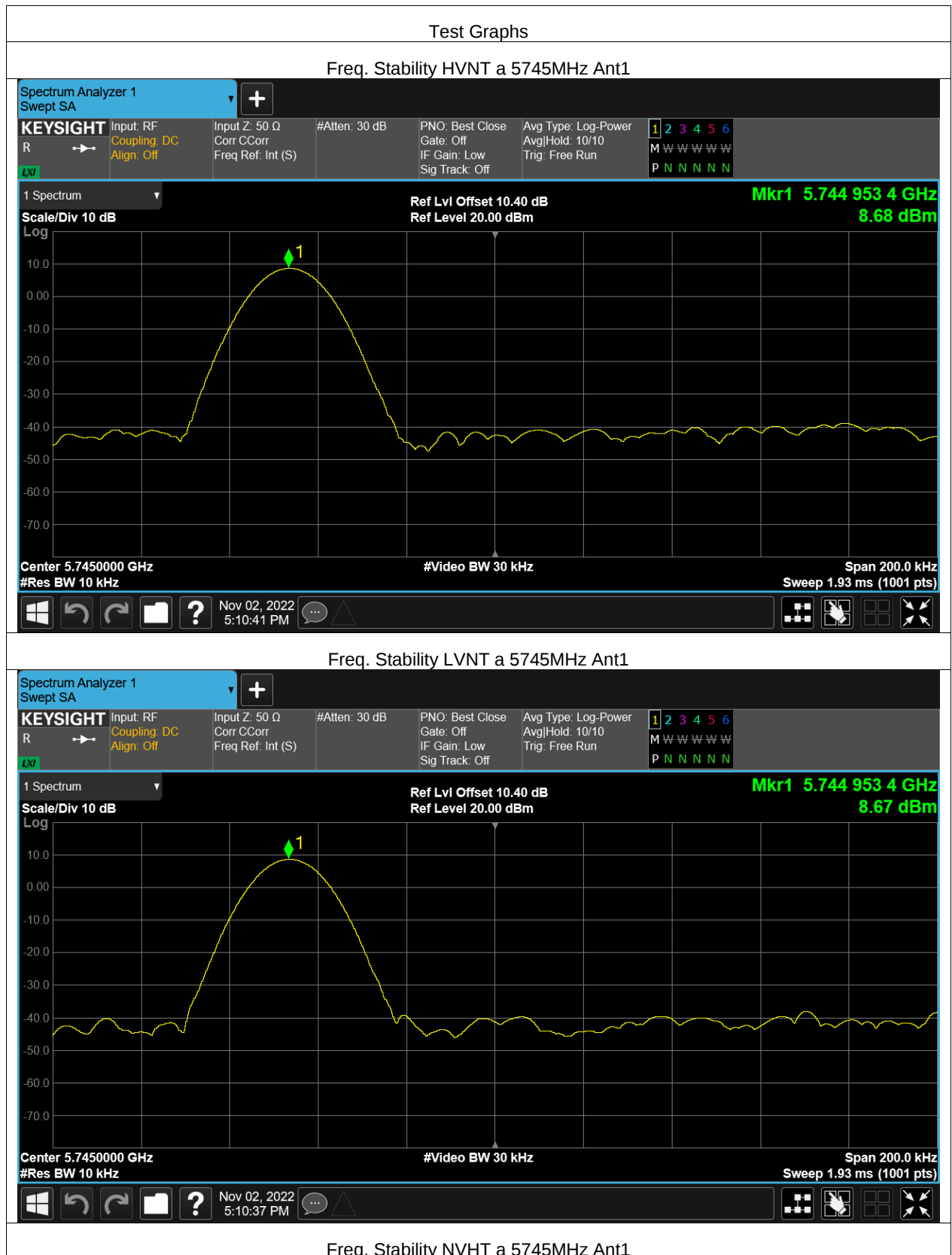
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	4.545	11	Pass
NVNT	a	5600	Ant1	4.442	11	Pass
NVNT	a	5700	Ant1	3.007	11	Pass
NVNT	ac20	5500	Ant1	2.459	11	Pass
NVNT	ac20	5600	Ant1	2.484	11	Pass
NVNT	ac20	5700	Ant1	0.565	11	Pass
NVNT	ac40	5510	Ant1	-0.386	11	Pass
NVNT	ac40	5590	Ant1	0.055	11	Pass
NVNT	ac40	5670	Ant1	-1.419	11	Pass
NVNT	ac80	5530	Ant1	-5.32	11	Pass
NVNT	ac80	5610	Ant1	-5.545	11	Pass
NVNT	n20	5500	Ant1	3.013	11	Pass
NVNT	n20	5600	Ant1	1.637	11	Pass
NVNT	n20	5700	Ant1	1.254	11	Pass
NVNT	n40	5510	Ant1	0.301	11	Pass
NVNT	n40	5590	Ant1	0.656	11	Pass
NVNT	n40	5667	Ant1	-1.553	11	Pass

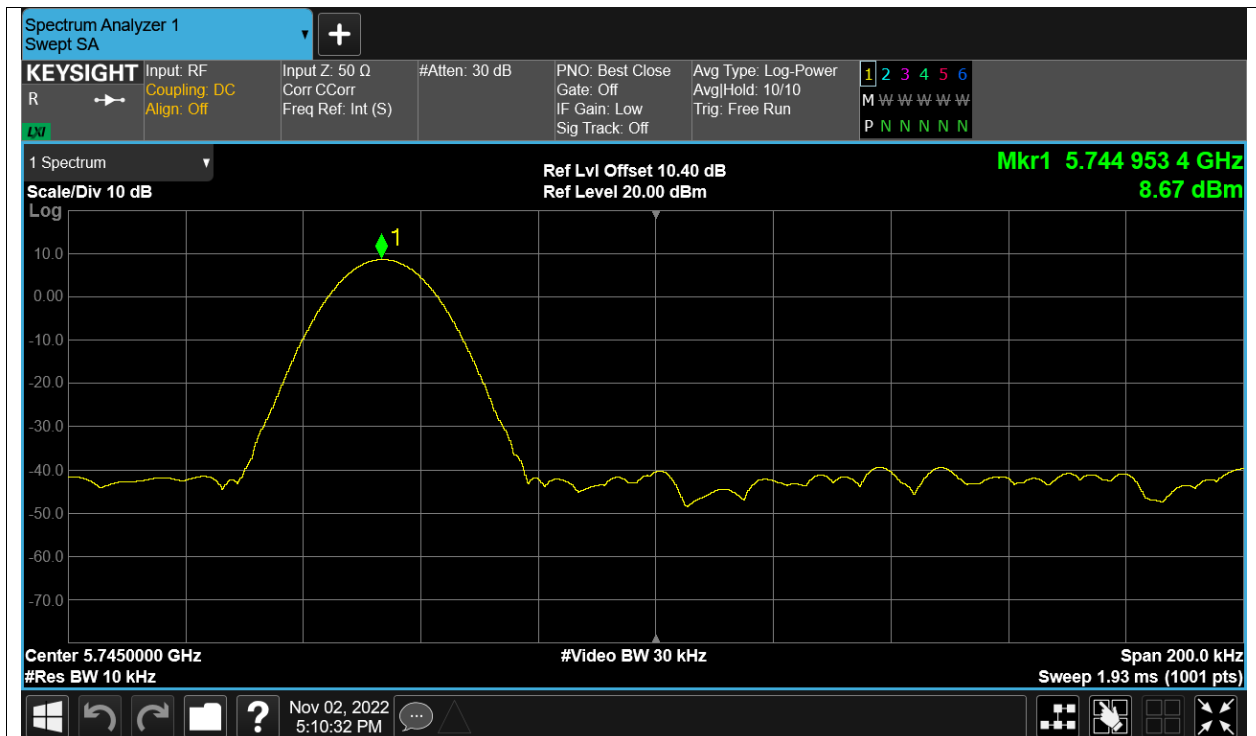
Appendix – 5.8G Wi-Fi

Test Data

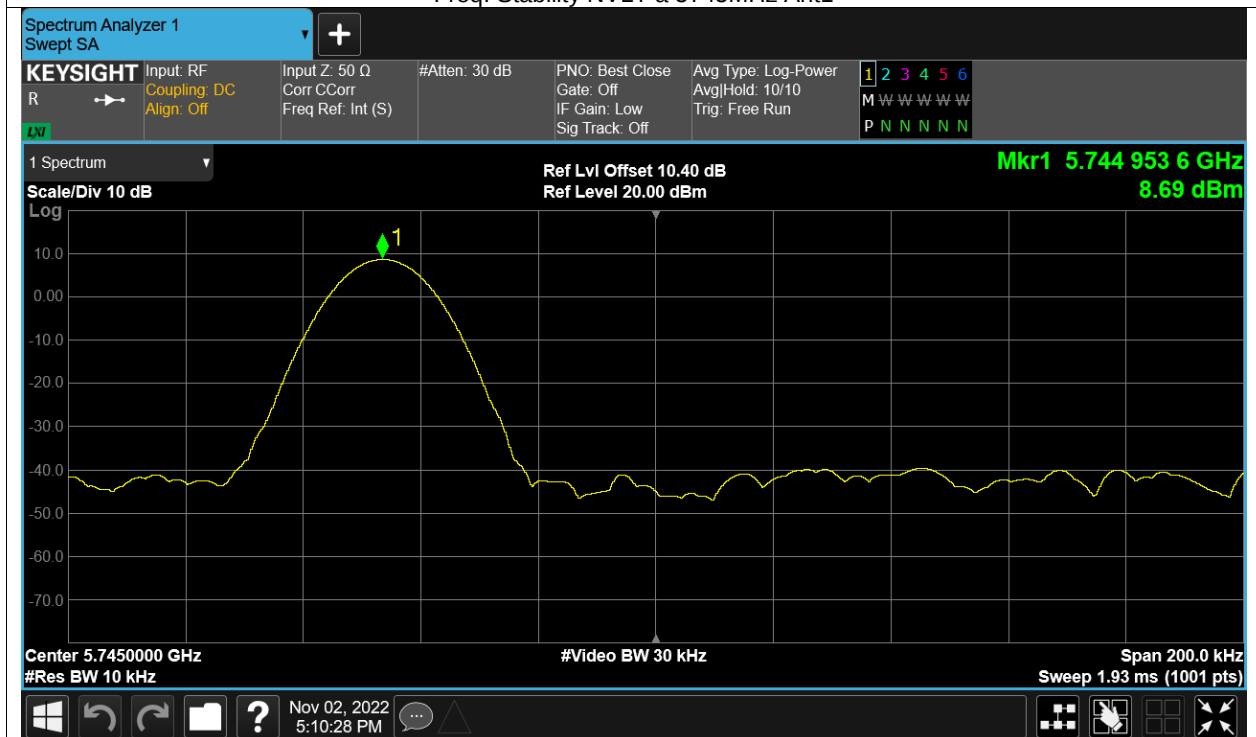
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5745	Ant1	5744.9534	-8.11	Within authorized band	Pass
LVNT	a	5745	Ant1	5744.9534	-8.11		Pass
NVHT	a	5745	Ant1	5744.9534	-8.11		Pass
NVLT	a	5745	Ant1	5744.9536	-8.08		Pass
NVNT	a	5745	Ant1	5744.9536	-8.08		Pass
HVNT	ac80	5775	Ant1	5774.9556	-7.69		Pass
LVNT	ac80	5775	Ant1	5774.9556	-7.69		Pass
NVHT	ac80	5775	Ant1	5774.9556	-7.69		Pass
NVLT	ac80	5775	Ant1	5774.9556	-7.69		Pass
NVNT	ac80	5775	Ant1	5774.9554	-7.72		Pass
HVNT	n40	5755	Ant1	5754.9534	-8.1		Pass
LVNT	n40	5755	Ant1	5754.9534	-8.1		Pass
NVHT	n40	5755	Ant1	5754.9532	-8.13		Pass
NVLT	n40	5755	Ant1	5754.9532	-8.13		Pass
NVNT	n40	5755	Ant1	5754.9532	-8.13		Pass
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.							

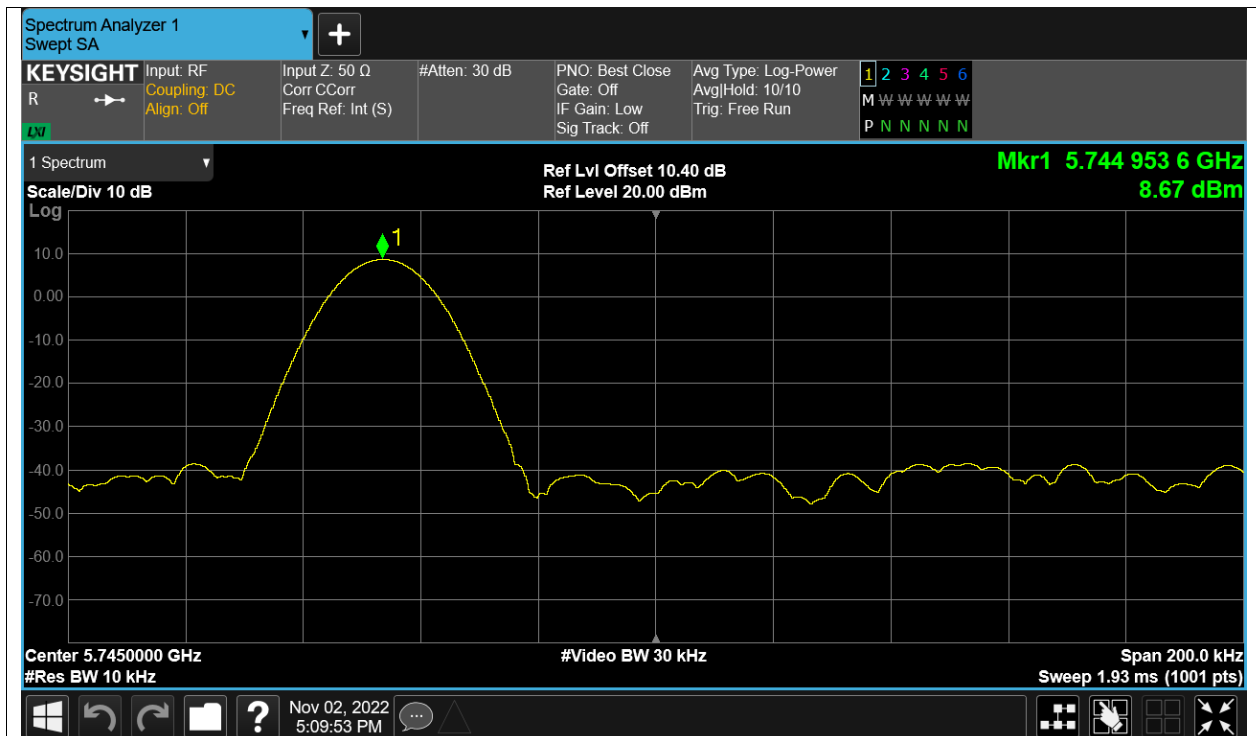




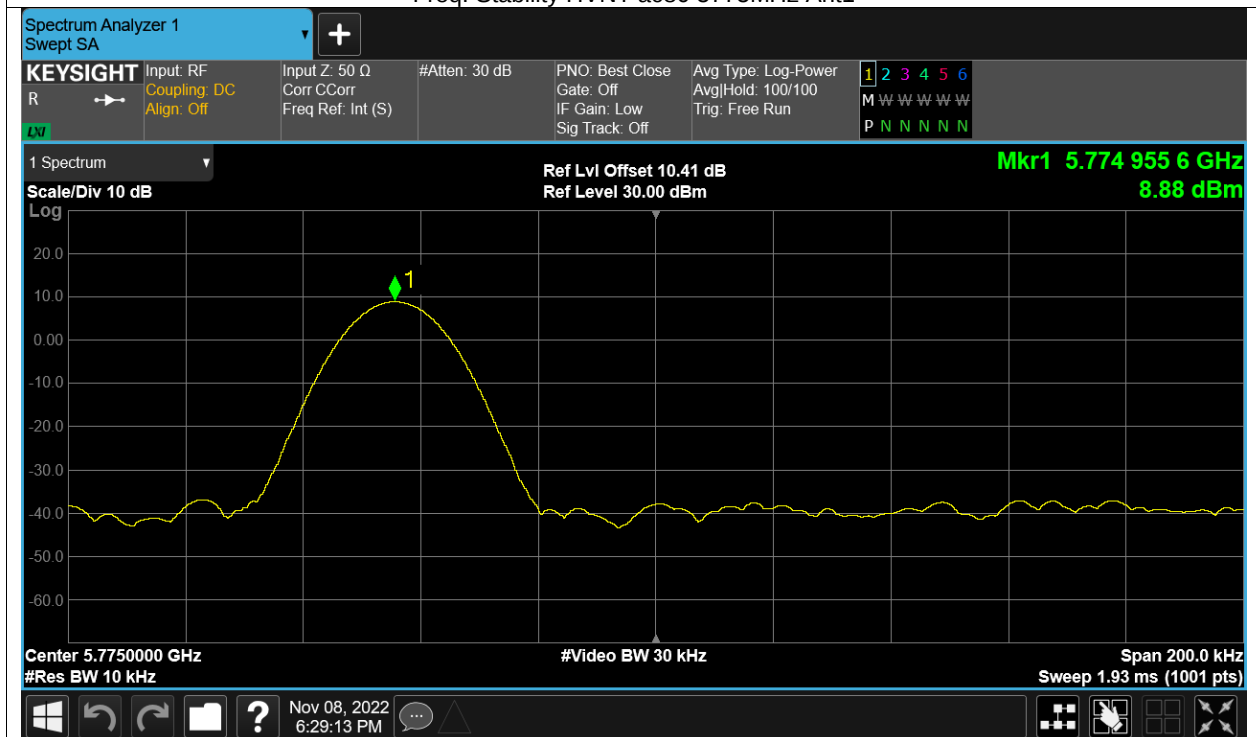
Freq. Stability NVLT a 5745MHz Ant1



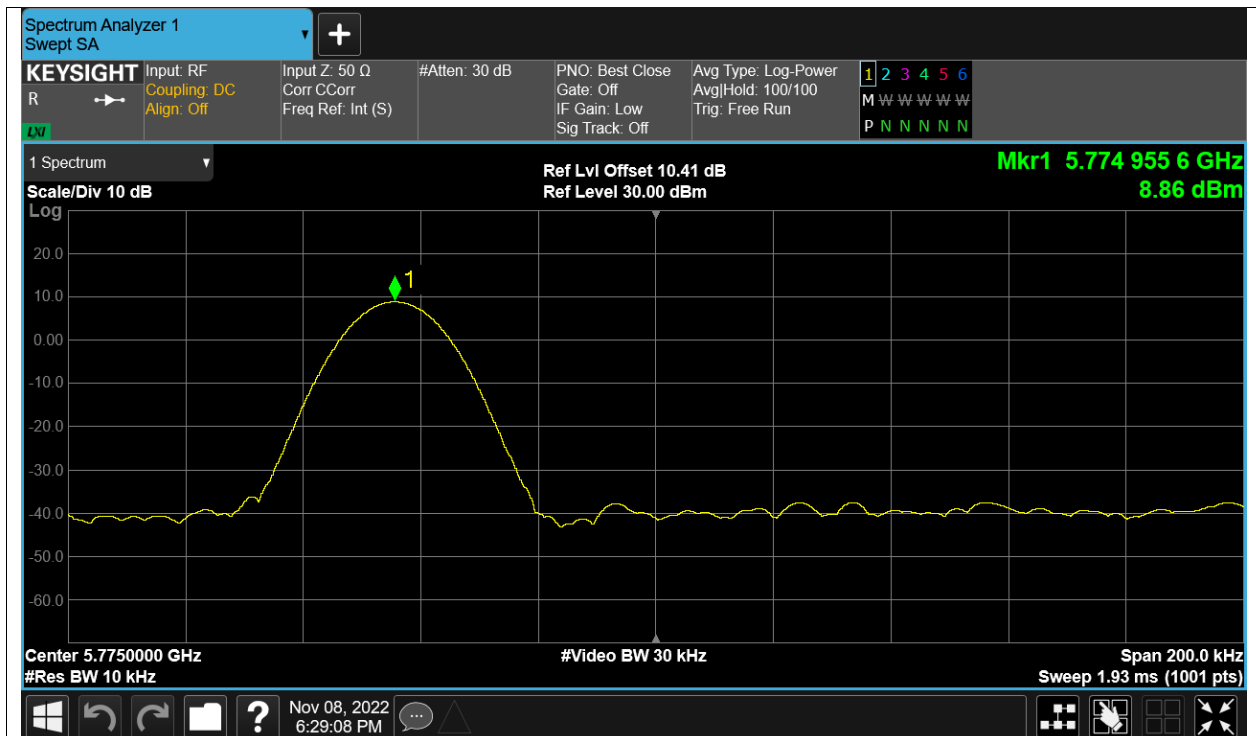
Freq. Stability NVNT a 5745MHz Ant1



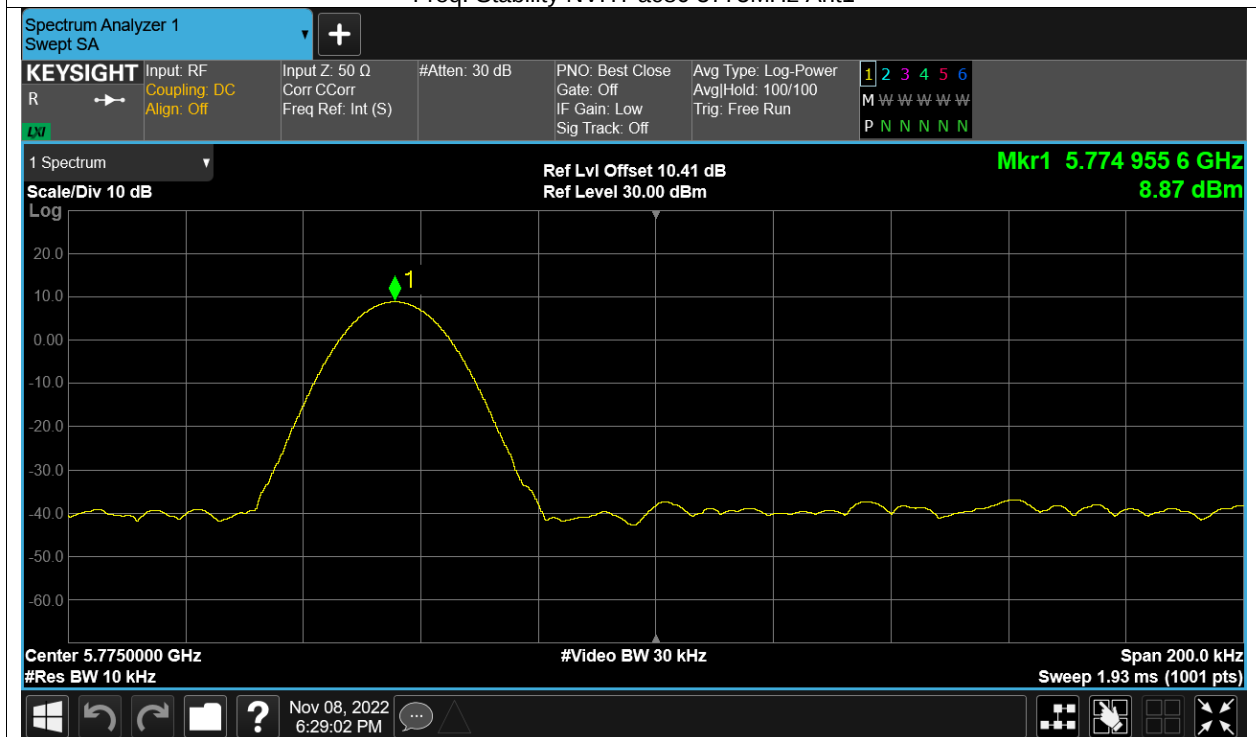
Freq. Stability HVNT ac80 5775MHz Ant1



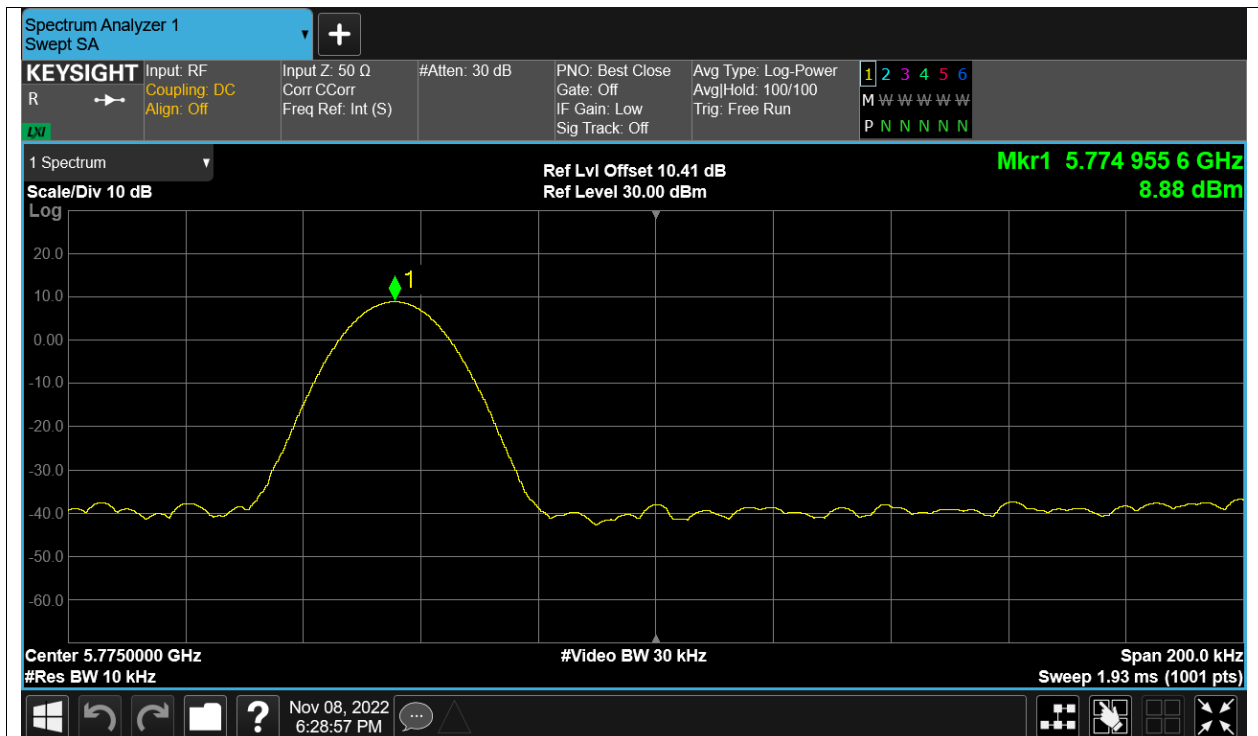
Freq. Stability LVNT ac80 5775MHz Ant1



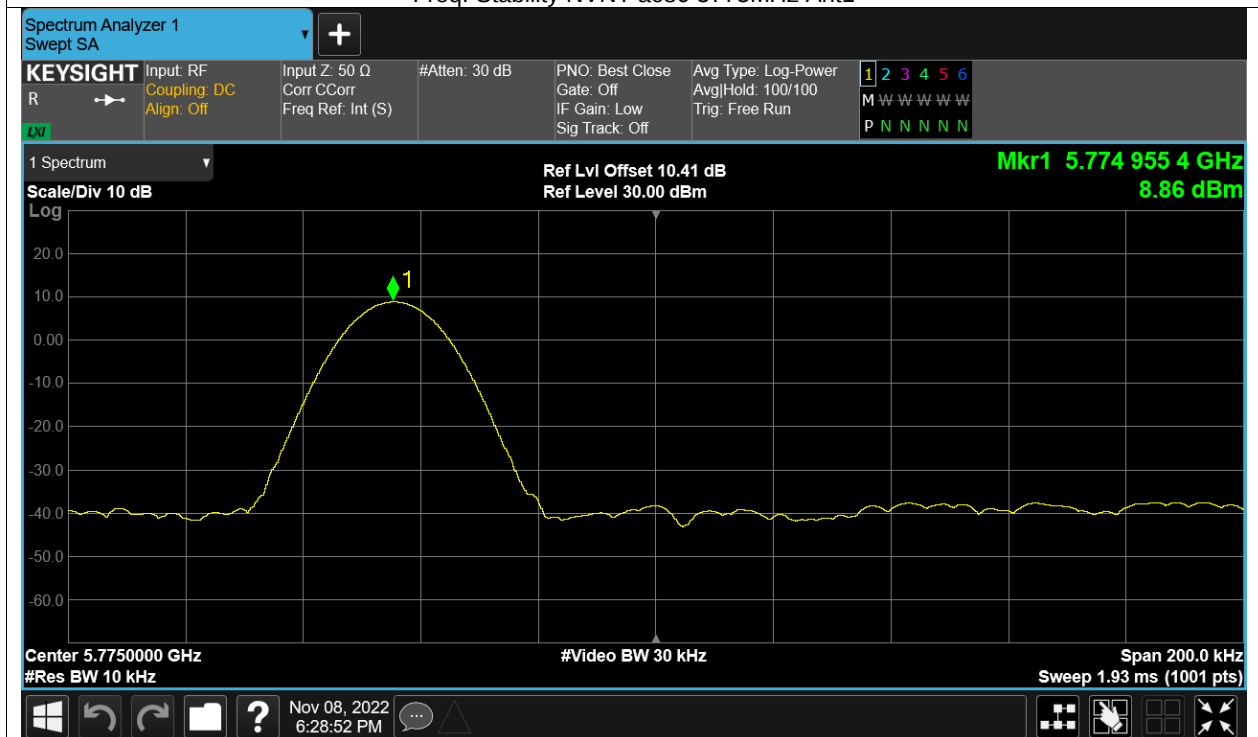
Freq. Stability NVHT ac80 5775MHz Ant1



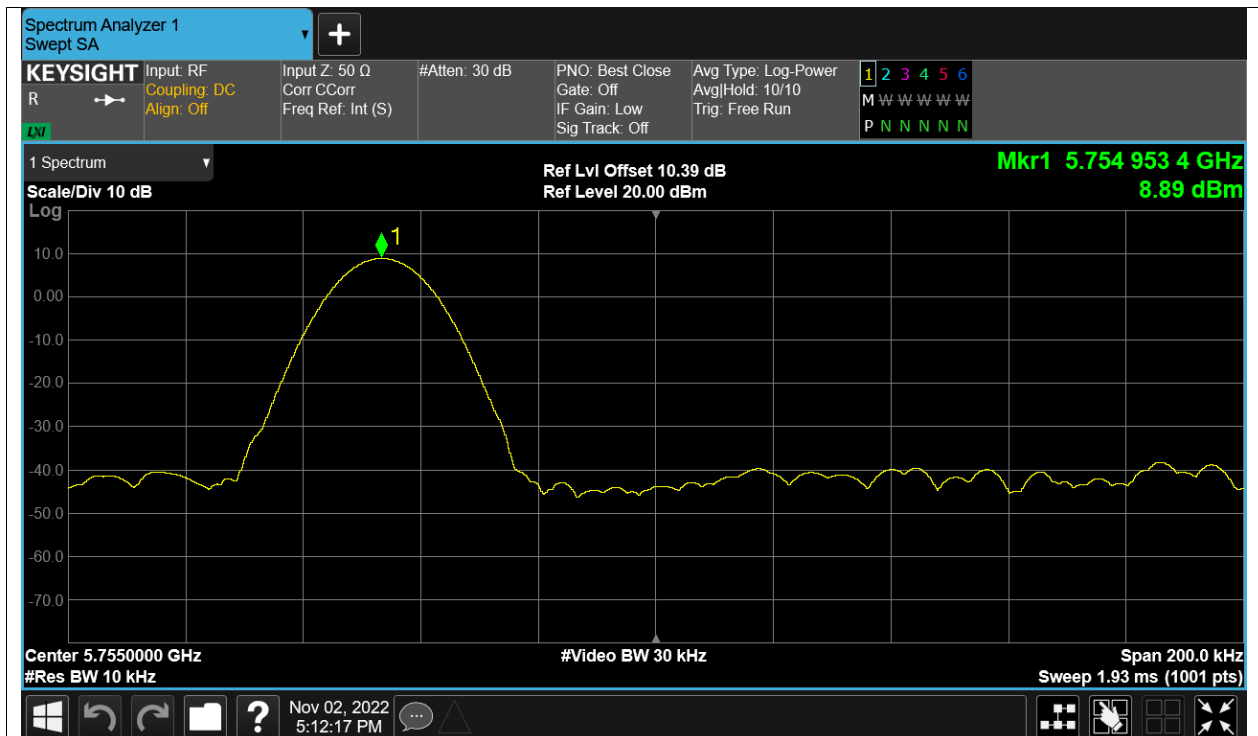
Freq. Stability NVLT ac80 5775MHz Ant1



Freq. Stability NVNT ac80 5775MHz Ant1



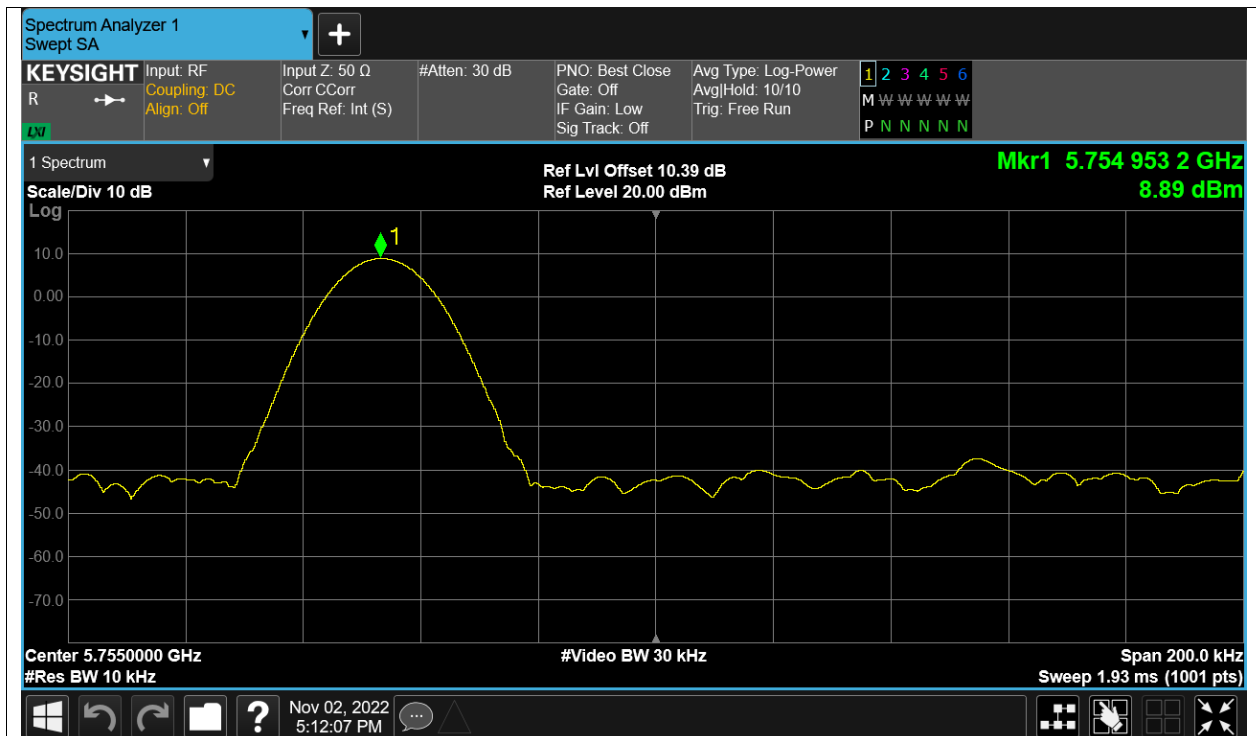
Freq. Stability HVNT n40 5755MHz Ant1



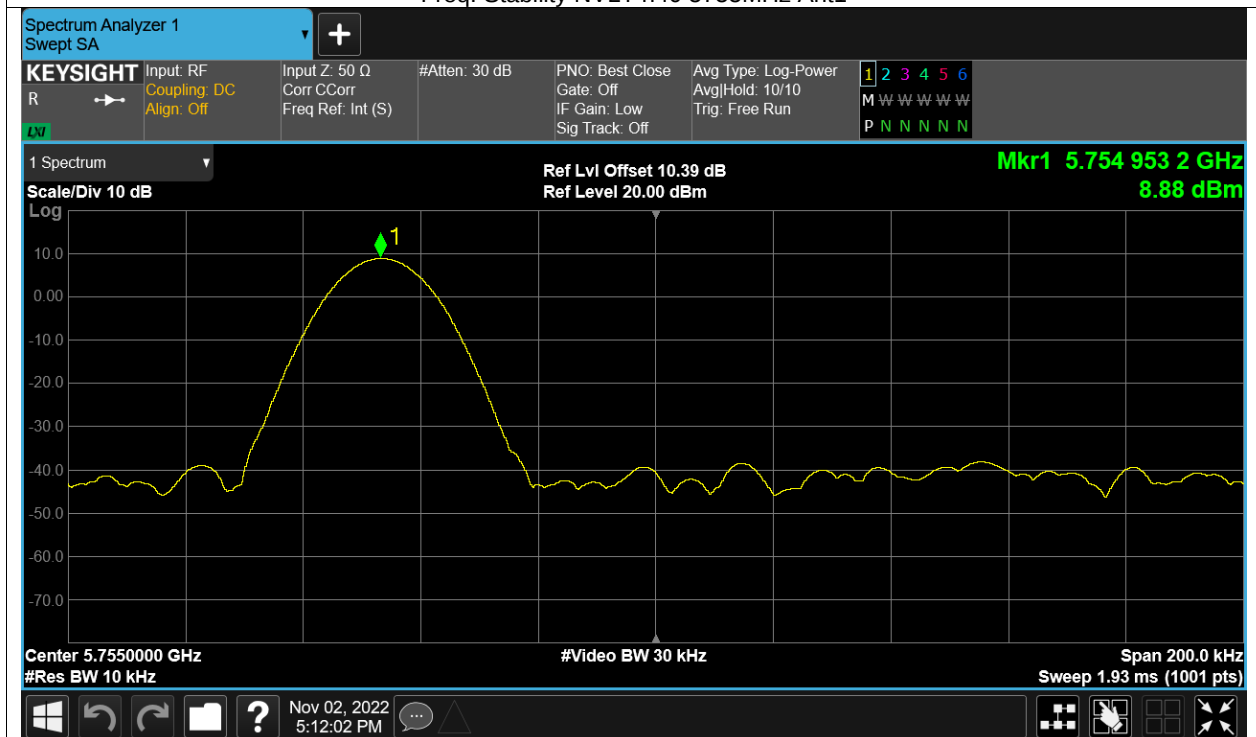
Freq. Stability LVNT n40 5755MHz Ant1



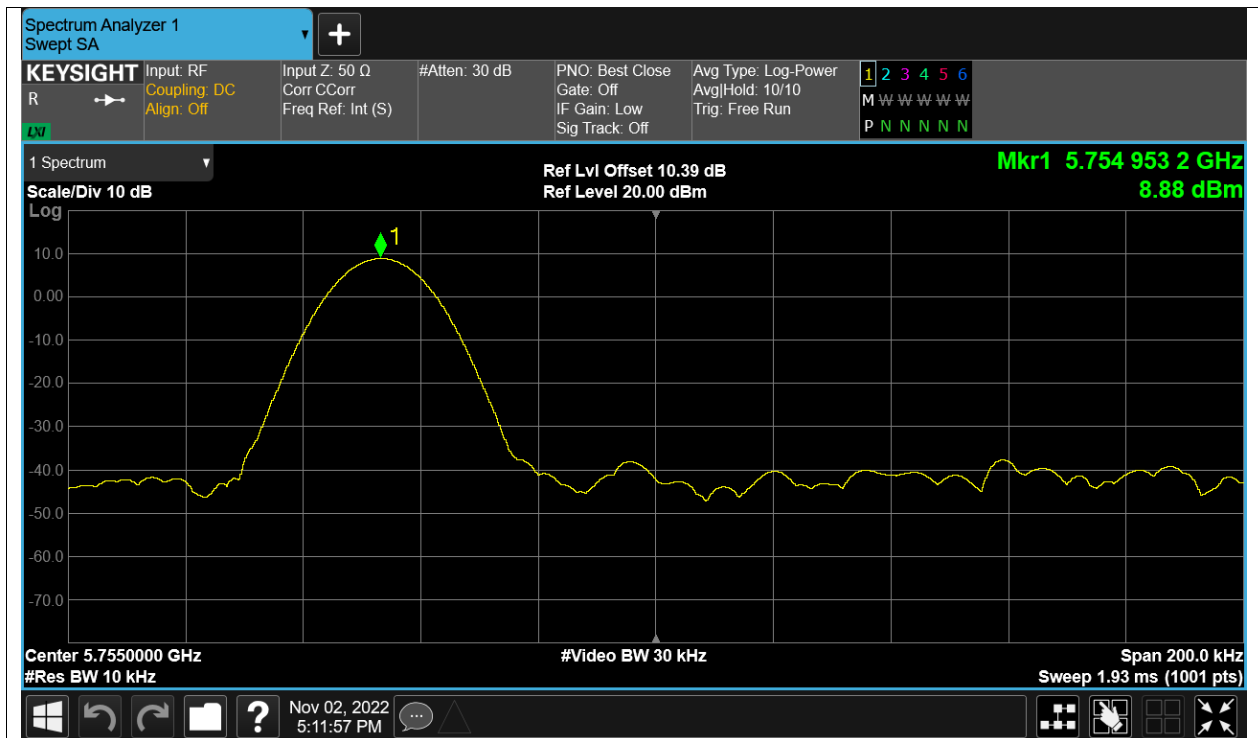
Freq. Stability NVHT n40 5755MHz Ant1



Freq. Stability NVLT n40 5755MHz Ant1



Freq. Stability NVNT n40 5755MHz Ant1

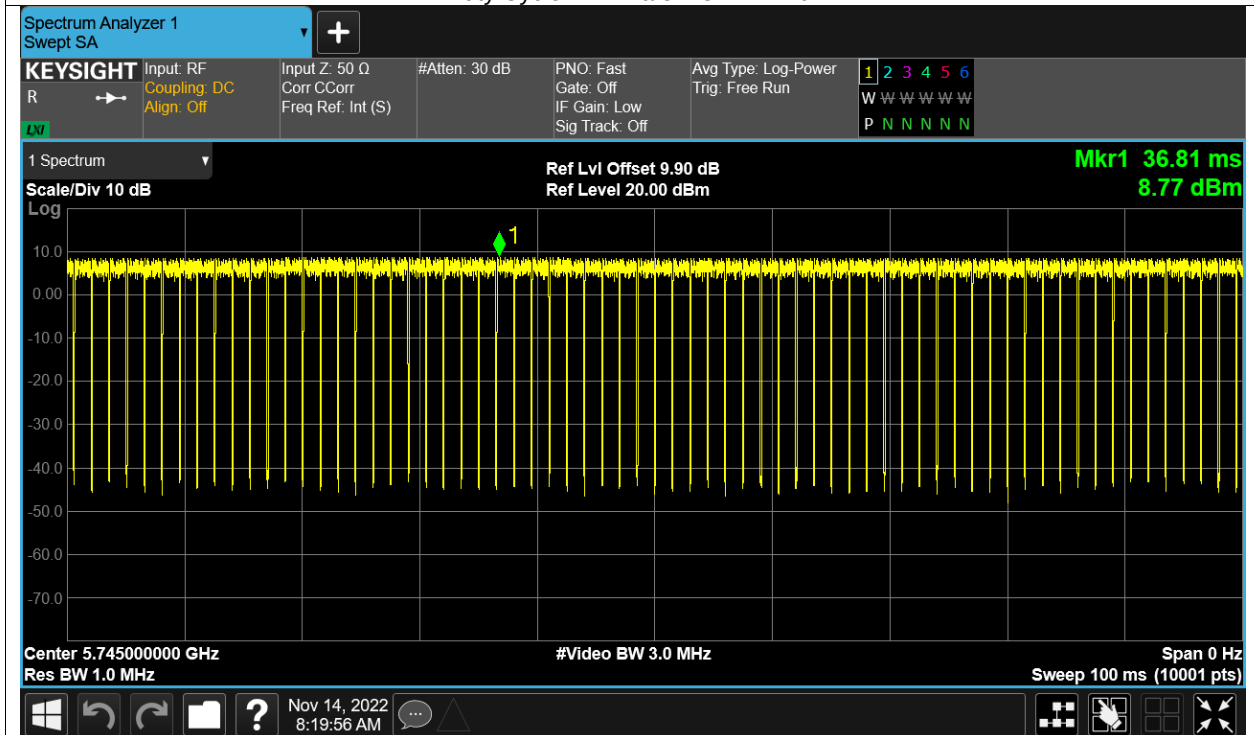


Duty Cycle

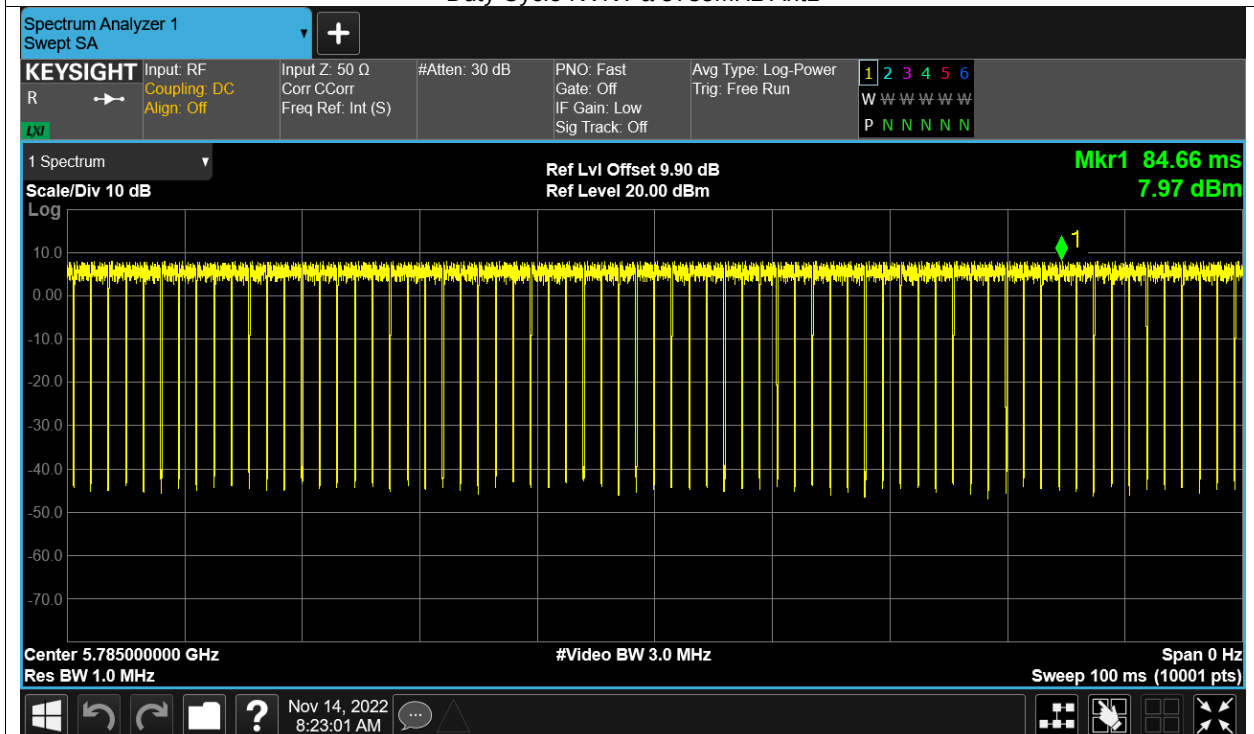
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5745	Ant1	94.15	0.26
NVNT	a	5785	Ant1	94.26	0.26
NVNT	a	5825	Ant1	94.16	0.26
NVNT	ac20	5745	Ant1	86.4	0.63
NVNT	ac20	5785	Ant1	86.24	0.64
NVNT	ac20	5825	Ant1	86.34	0.64
NVNT	ac40	5755	Ant1	79.19	1.01
NVNT	ac40	5795	Ant1	79.62	0.99
NVNT	ac80	5775	Ant1	73.64	1.33
NVNT	n20	5745	Ant1	93.87	0.27
NVNT	n20	5785	Ant1	93.84	0.28
NVNT	n20	5825	Ant1	93.86	0.28
NVNT	n40	5755	Ant1	94.88	0.23
NVNT	n40	5795	Ant1	88.65	0.52

Test Graphs

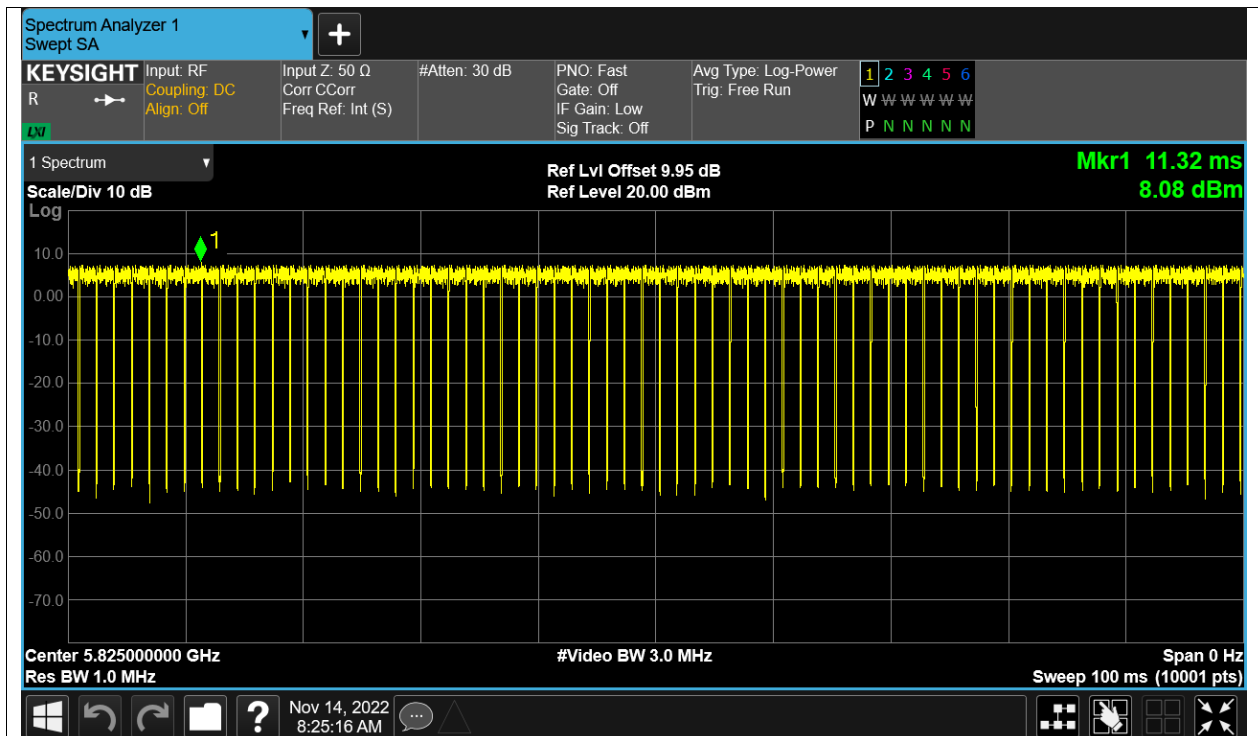
Duty Cycle NVNT a 5745MHz Ant1



Duty Cycle NVNT a 5785MHz Ant1



Duty Cycle NVNT a 5825MHz Ant1



Duty Cycle NVNT ac20 5745MHz Ant1



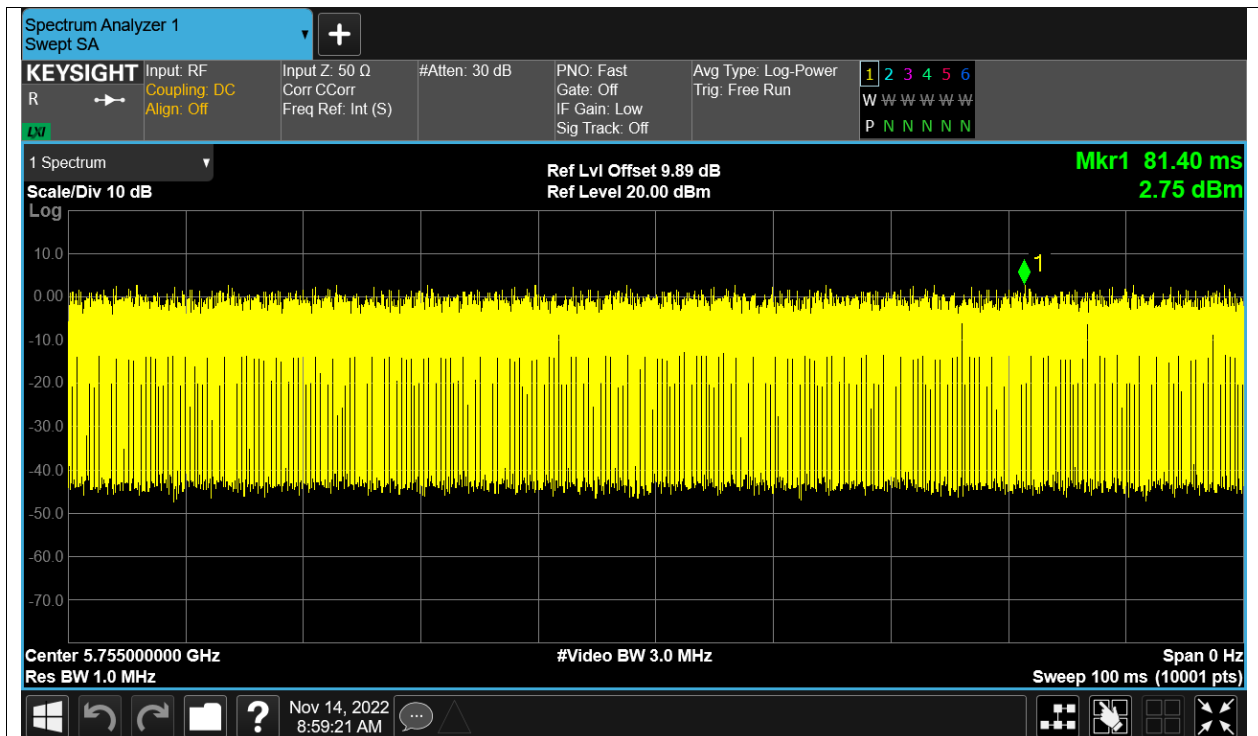
Duty Cycle NVNT ac20 5785MHz Ant1



Duty Cycle NVNT ac20 5825MHz Ant1



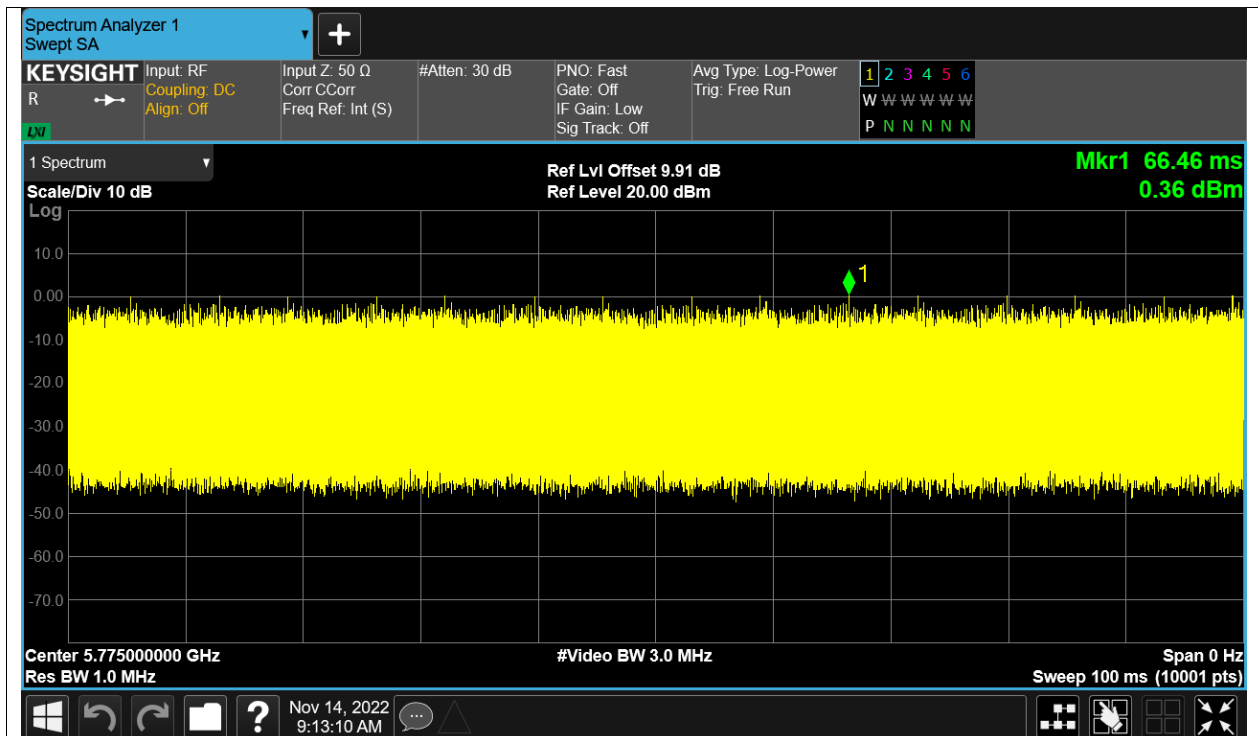
Duty Cycle NVNT ac40 5755MHz Ant1



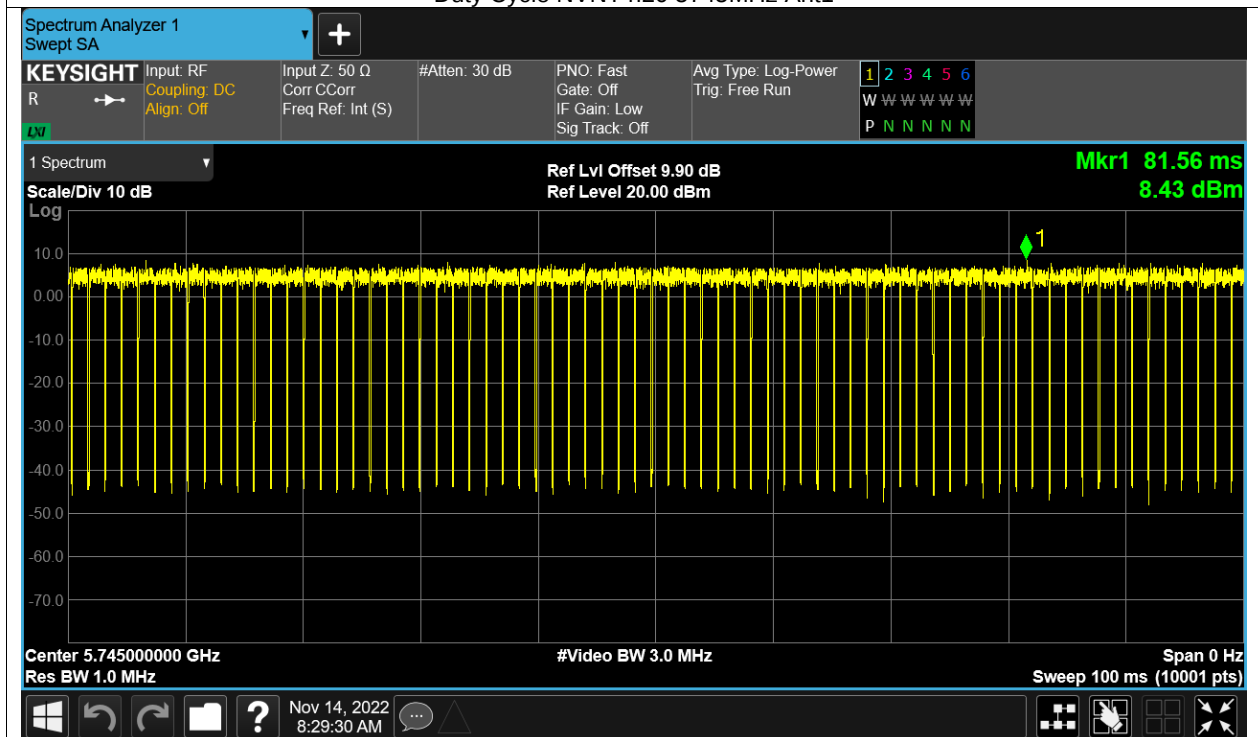
Duty Cycle NVNT ac40 5795MHz Ant1



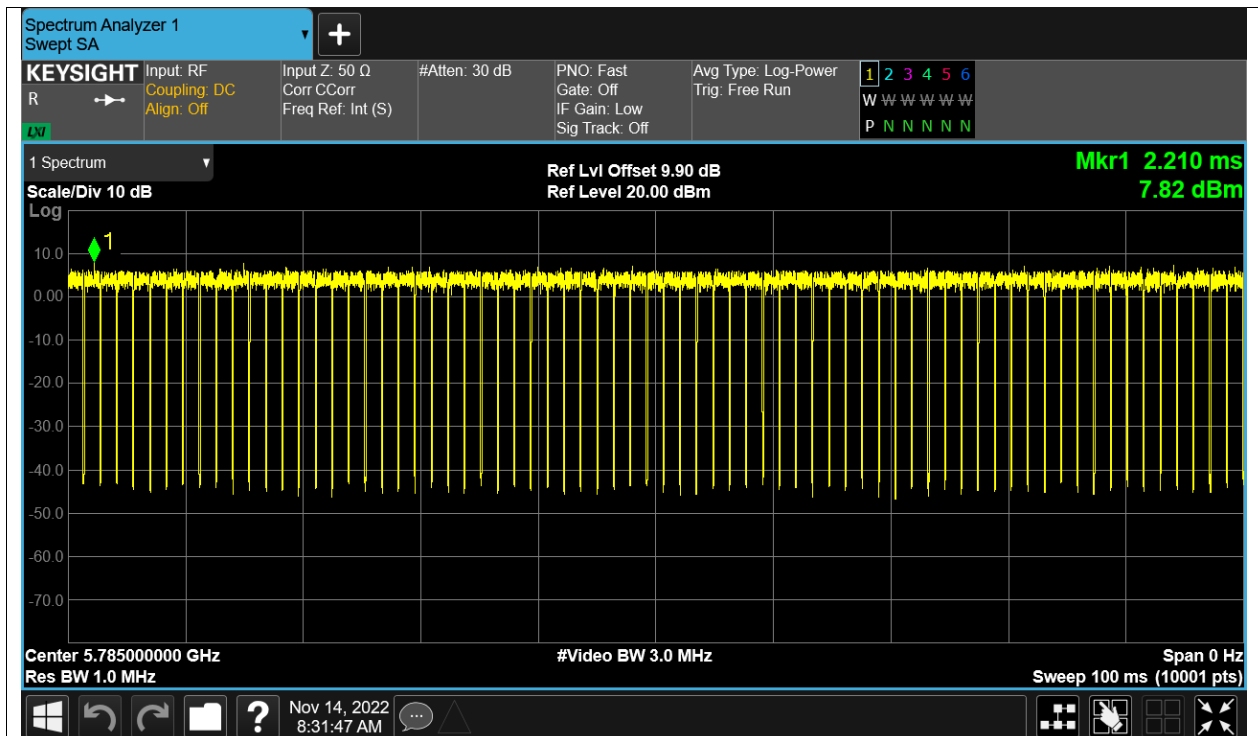
Duty Cycle NVNT ac80 5775MHz Ant1



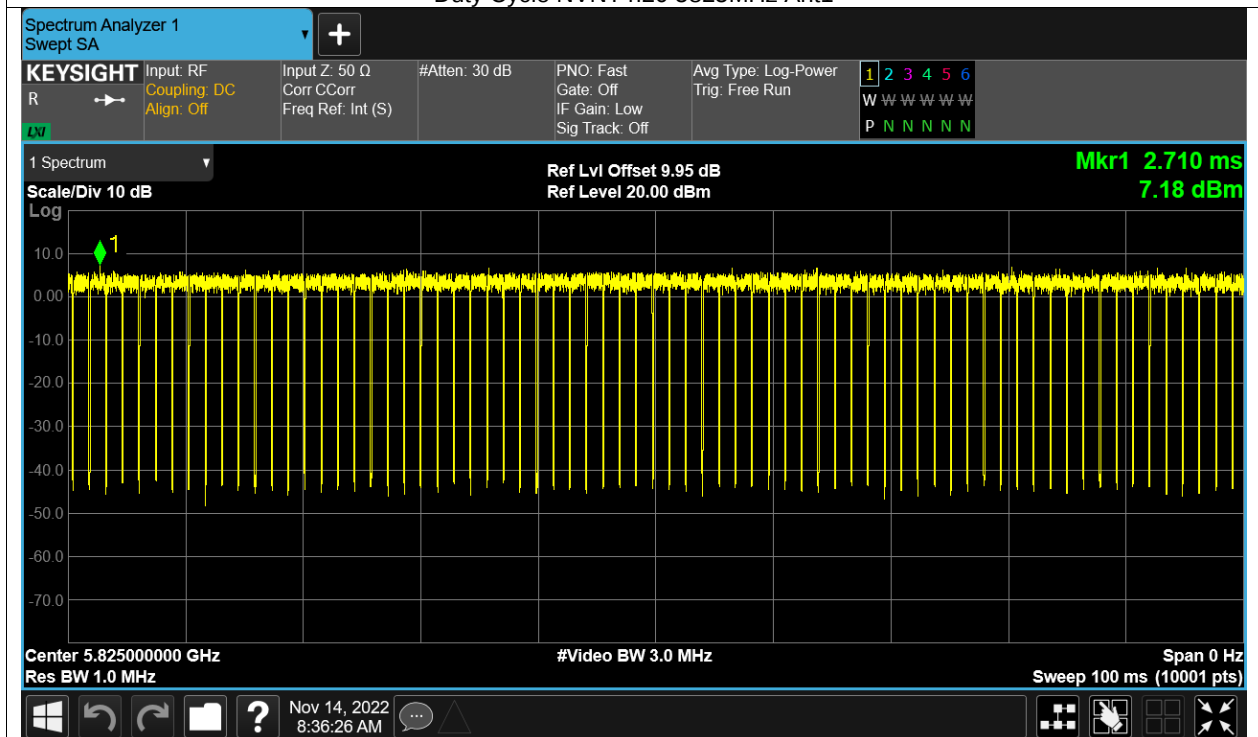
Duty Cycle NVNT n20 5745MHz Ant1



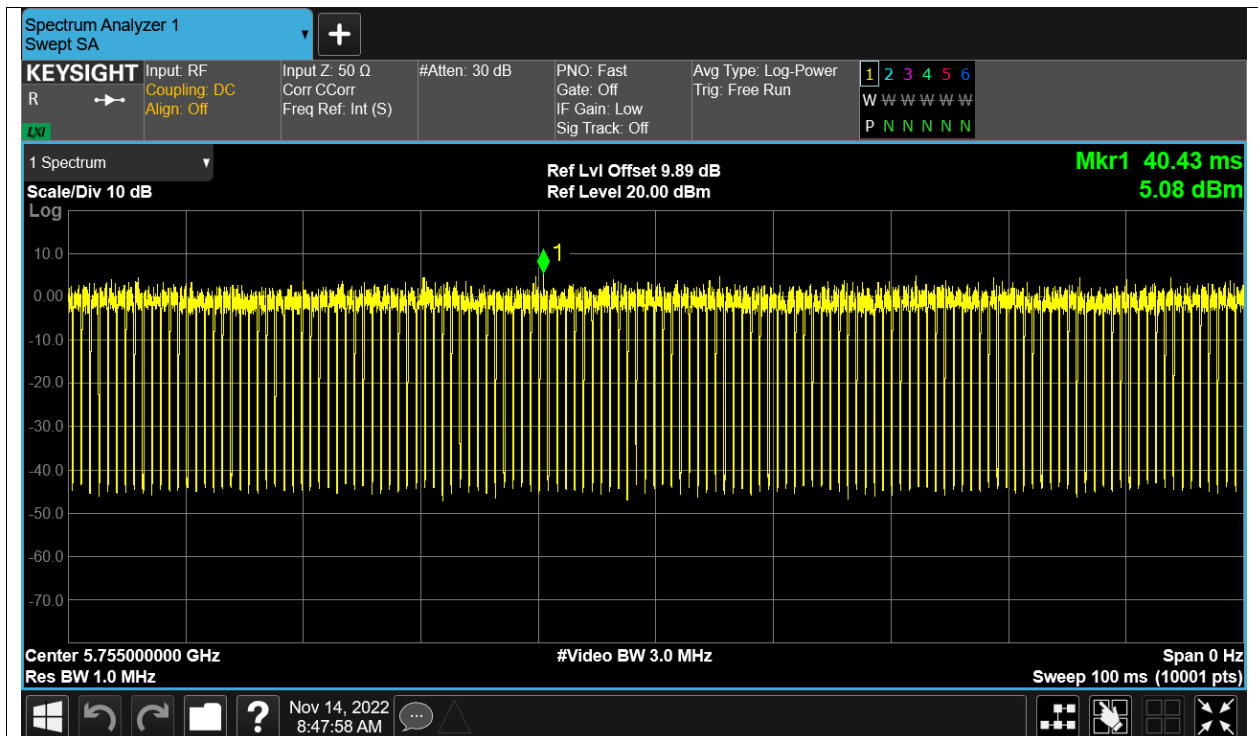
Duty Cycle NVNT n20 5785MHz Ant1



Duty Cycle NVNT n20 5825MHz Ant1



Duty Cycle NVNT n40 5755MHz Ant1



Duty Cycle NVNT n40 5795MHz Ant1



Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	12.41	0.26	12.67	30	Pass
NVNT	a	5785	Ant1	12.15	0.26	12.41	30	Pass
NVNT	a	5825	Ant1	11.46	0.26	11.72	30	Pass
NVNT	ac20	5745	Ant1	10.63	0.63	11.26	30	Pass
NVNT	ac20	5785	Ant1	10.47	0.64	11.11	30	Pass
NVNT	ac20	5825	Ant1	10.11	0.64	10.75	30	Pass
NVNT	ac40	5755	Ant1	10.21	1.01	11.22	30	Pass
NVNT	ac40	5795	Ant1	9.92	0.99	10.91	30	Pass
NVNT	ac80	5775	Ant1	9.85	1.33	11.18	30	Pass
NVNT	n20	5745	Ant1	10.74	0.27	11.01	30	Pass
NVNT	n20	5785	Ant1	10.65	0.28	10.93	30	Pass
NVNT	n20	5825	Ant1	10.14	0.28	10.42	30	Pass
NVNT	n40	5755	Ant1	11.71	0.23	11.94	30	Pass
NVNT	n40	5795	Ant1	11.21	0.52	11.73	30	Pass

-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	limit	Verdic
NVNT	a	5745	Ant1	14.769	0.5	Pass
NVNT	a	5785	Ant1	15.655	0.5	Pass
NVNT	a	5825	Ant1	15.632	0.5	Pass
NVNT	ac20	5745	Ant1	17.235	0.5	Pass
NVNT	ac20	5785	Ant1	17.58	0.5	Pass
NVNT	ac20	5825	Ant1	17.567	0.5	Pass
NVNT	ac40	5755	Ant1	35.773	0.5	Pass
NVNT	ac40	5795	Ant1	35.182	0.5	Pass
NVNT	ac80	5775	Ant1	75.179	0.5	Pass
NVNT	n20	5745	Ant1	15.095	0.5	Pass
NVNT	n20	5785	Ant1	15.157	0.5	Pass
NVNT	n20	5825	Ant1	15.92	0.5	Pass
NVNT	n40	5755	Ant1	35.243	0.5	Pass
NVNT	n40	5795	Ant1	35.09	0.5	Pass

Test Graphs

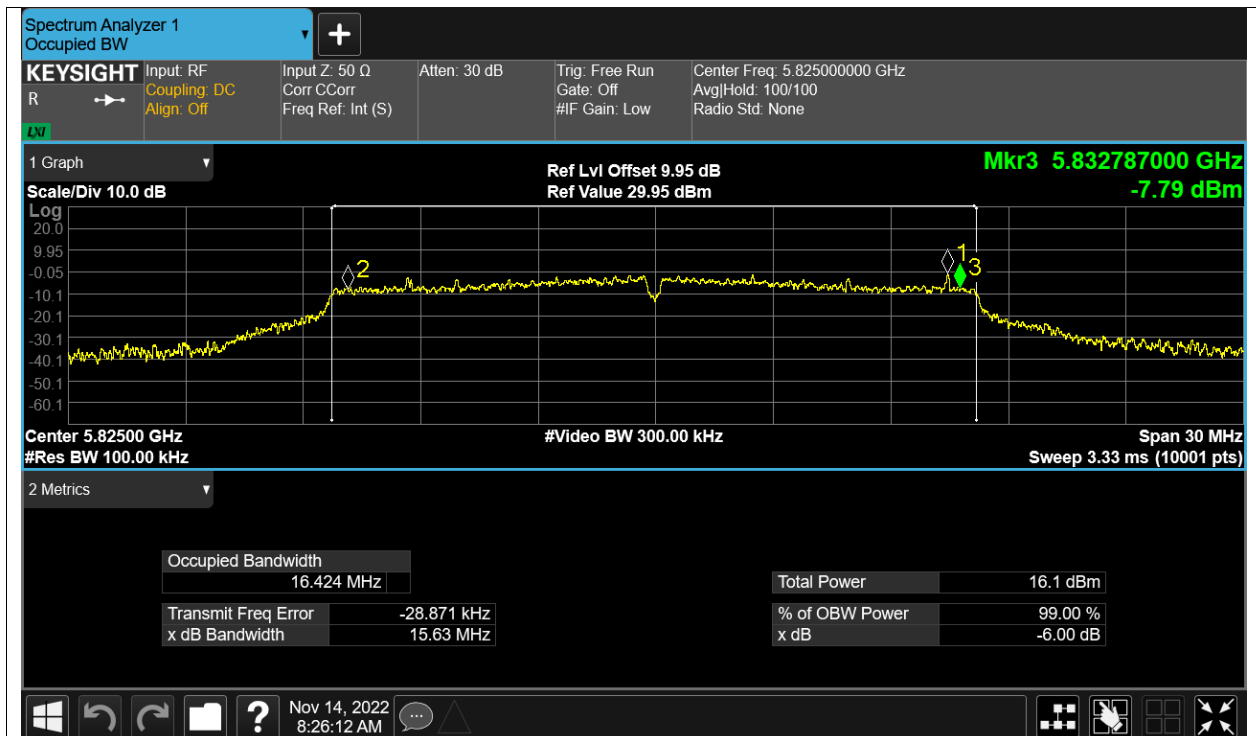
-6dB Bandwidth NVNT a 5745MHz Ant1



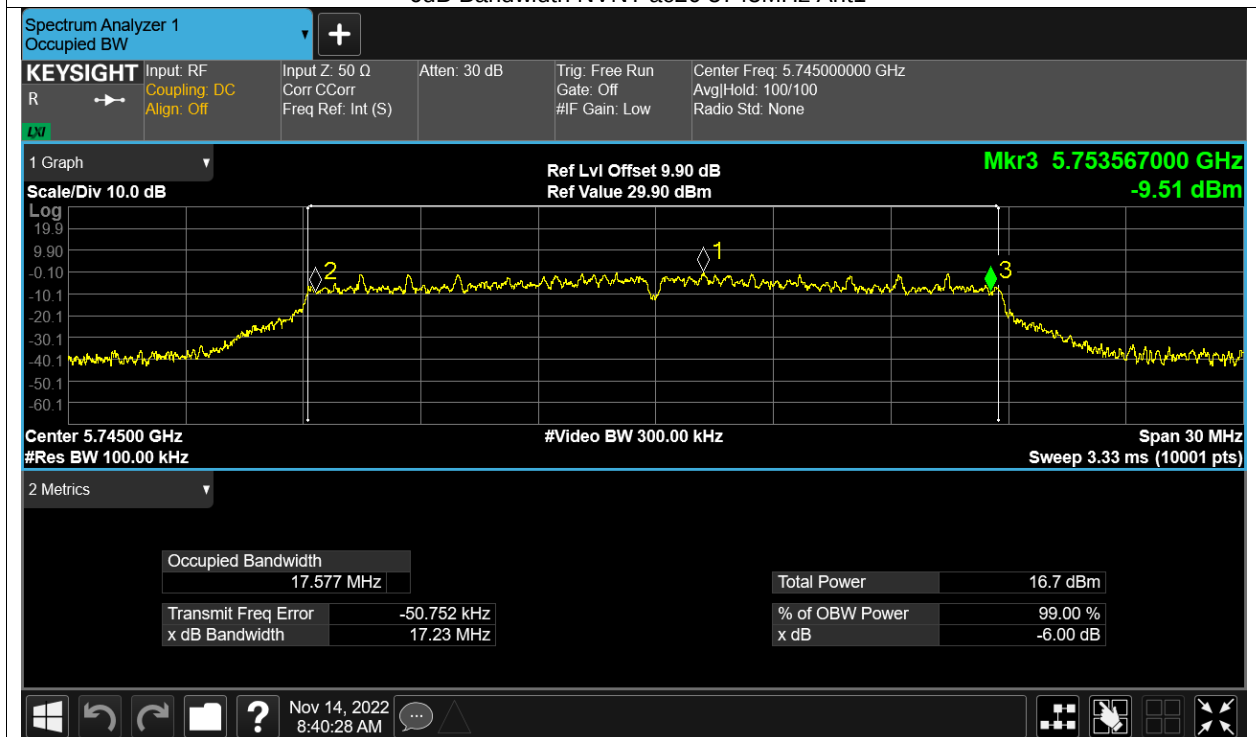
-6dB Bandwidth NVNT a 5785MHz Ant1



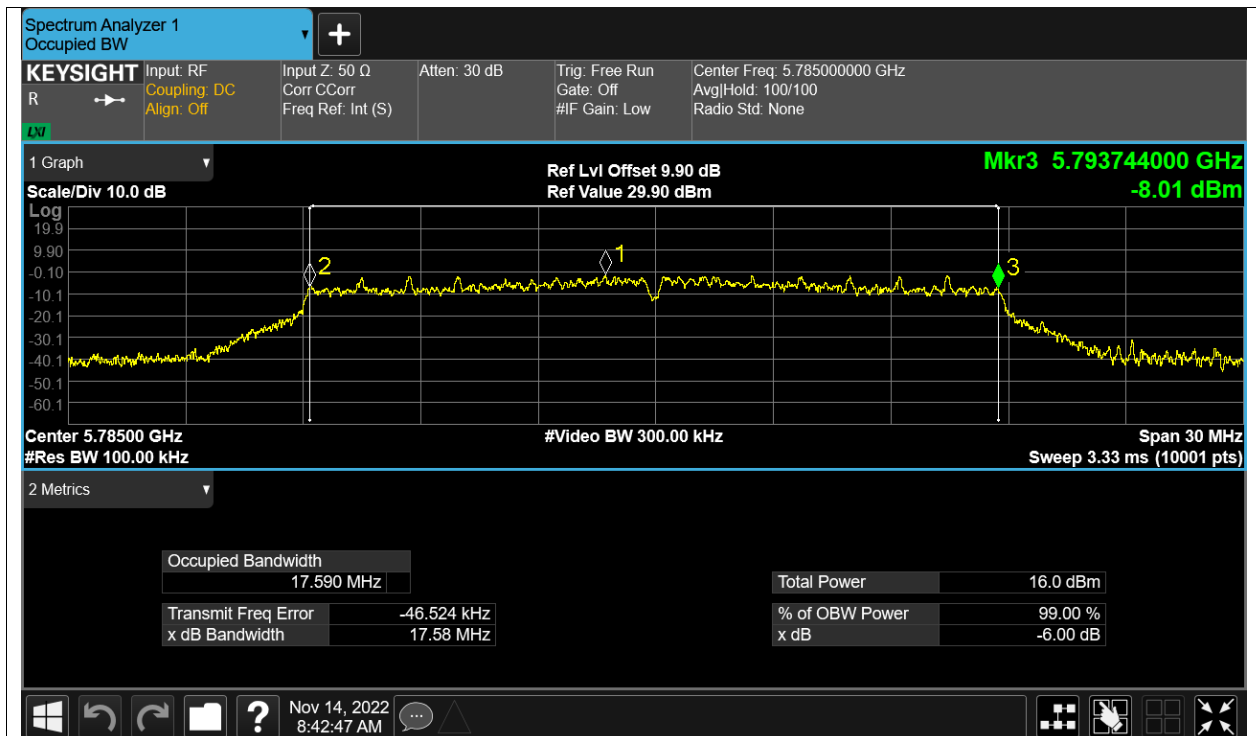
-6dB Bandwidth NVNT a 5825MHz Ant1



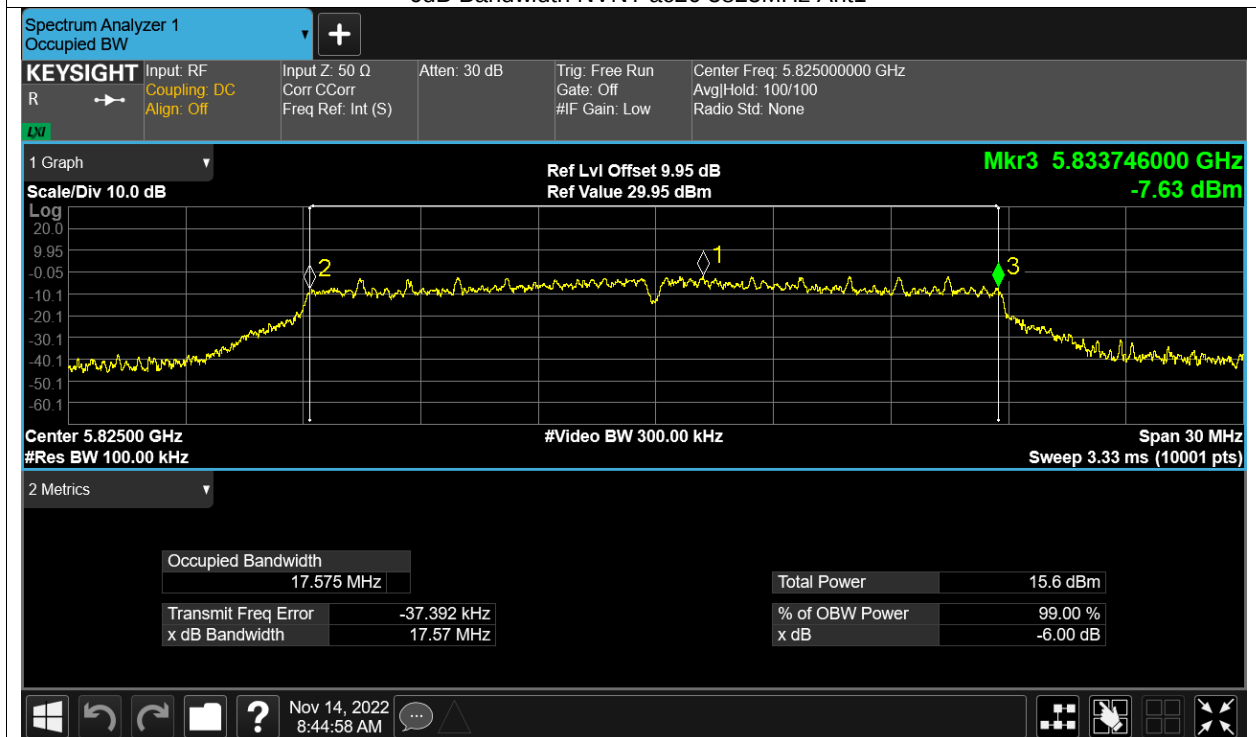
-6dB Bandwidth NVNT ac20 5745MHz Ant1



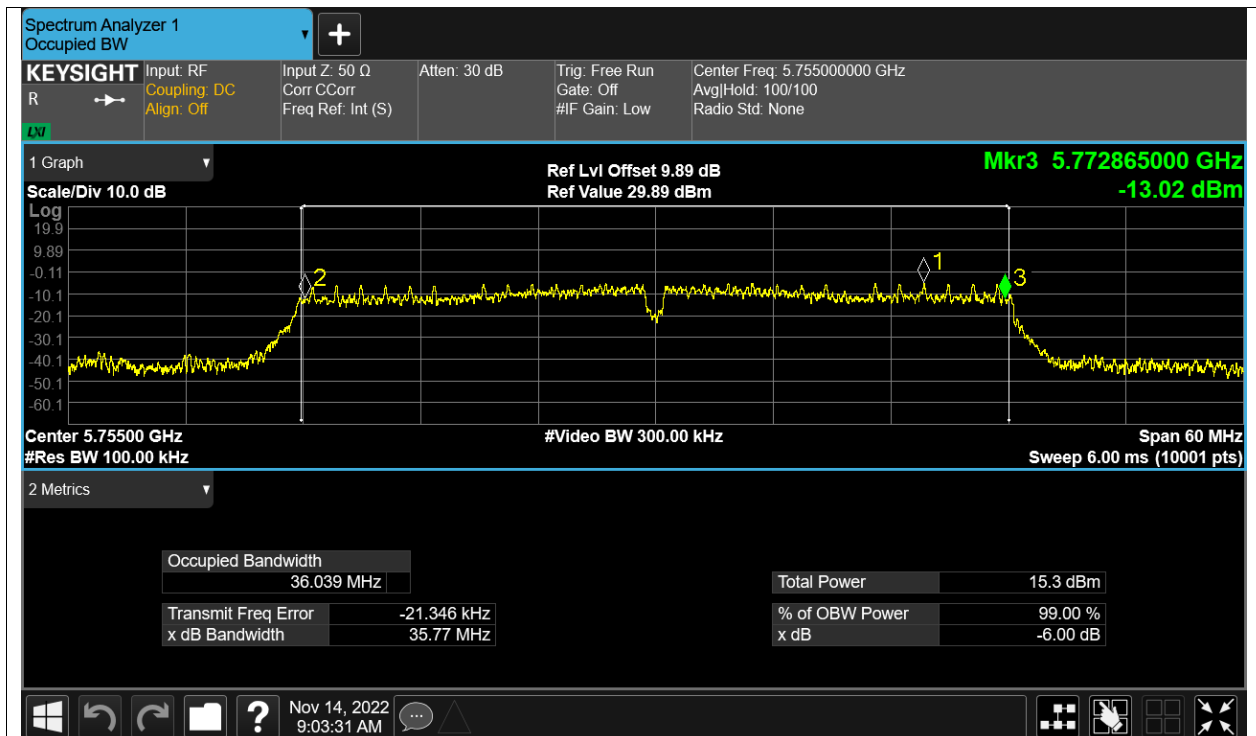
-6dB Bandwidth NVNT ac20 5785MHz Ant1



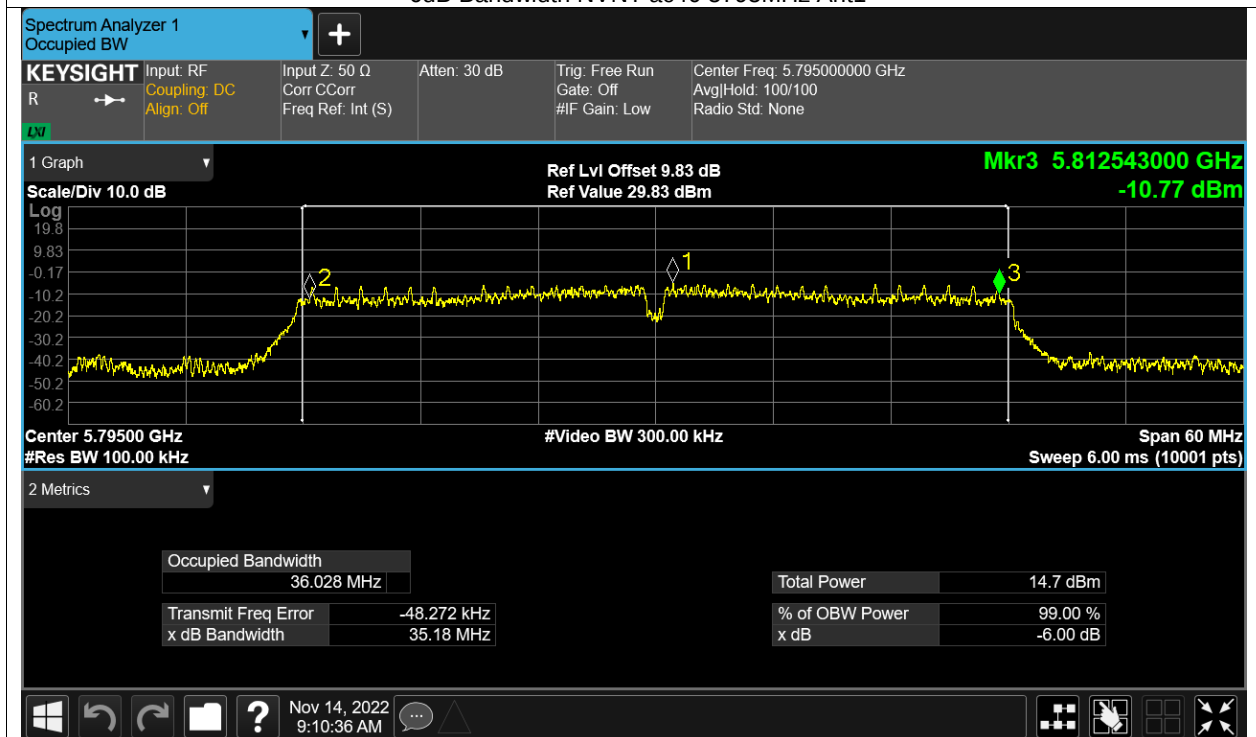
-6dB Bandwidth NVNT ac20 5825MHz Ant1



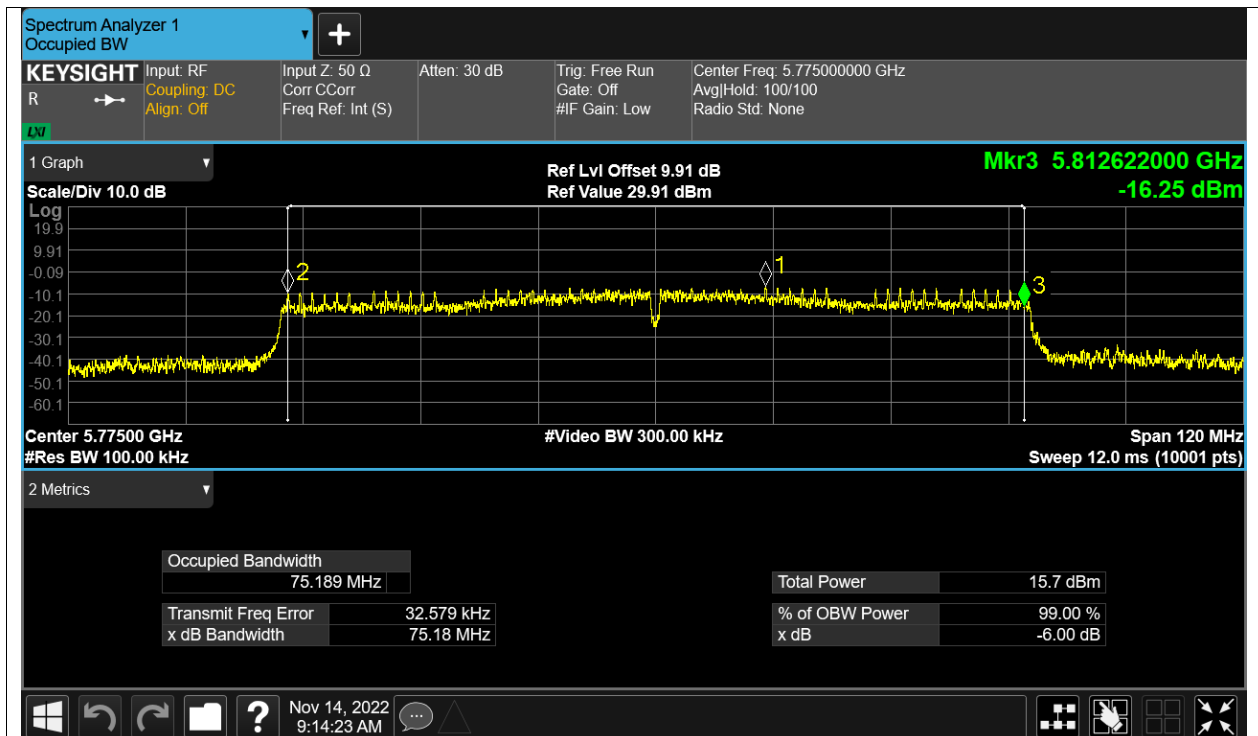
-6dB Bandwidth NVNT ac40 5755MHz Ant1



-6dB Bandwidth NVNT ac40 5795MHz Ant1



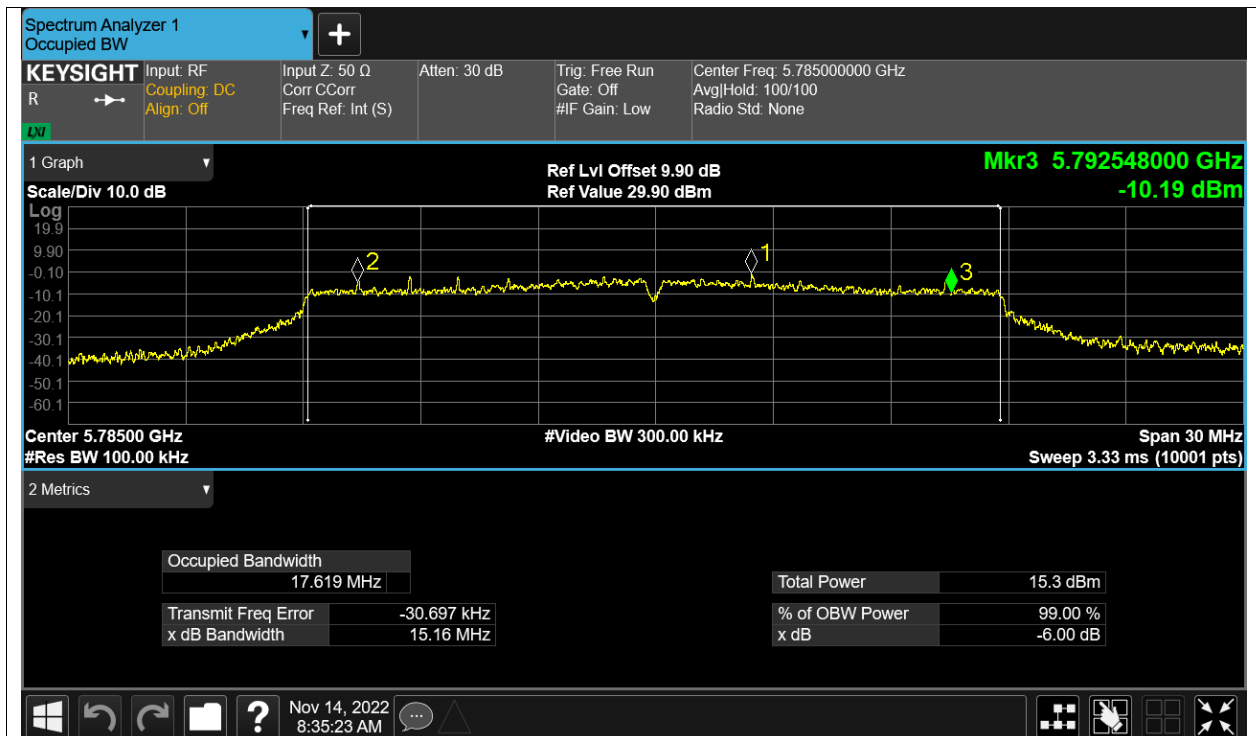
-6dB Bandwidth NVNT ac80 5775MHz Ant1



-6dB Bandwidth NVNT n20 5745MHz Ant1



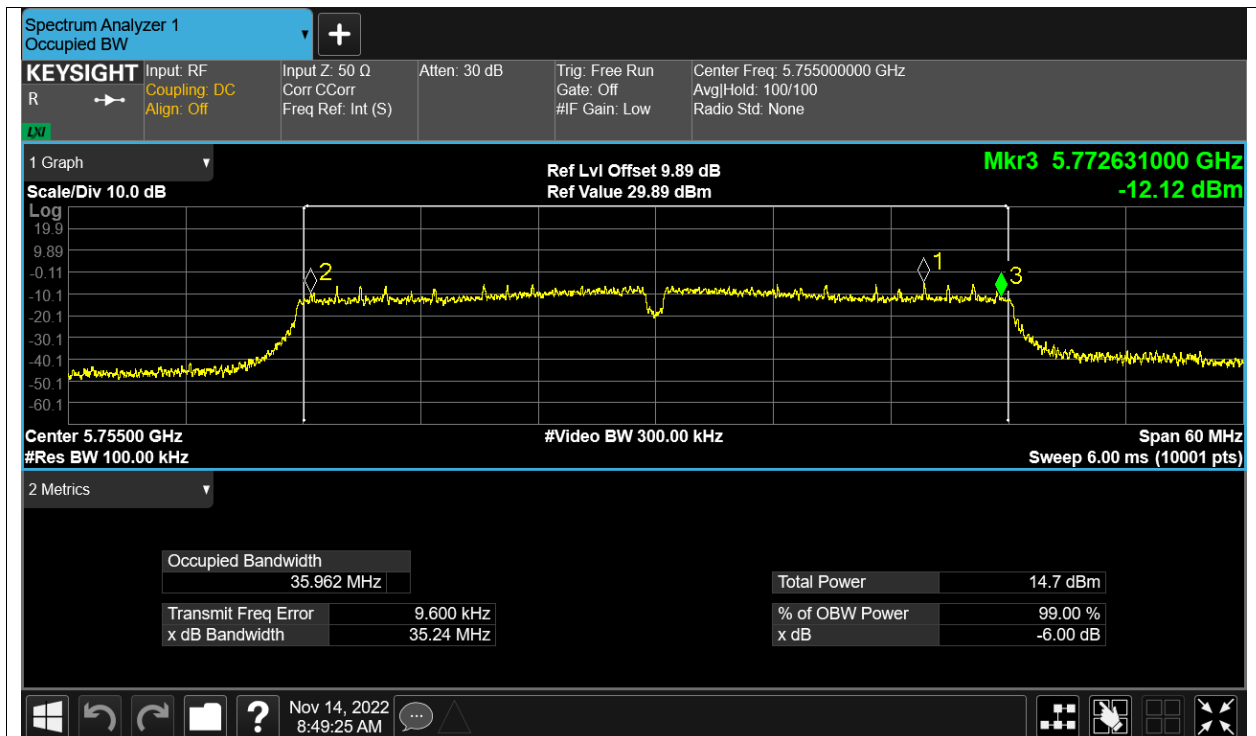
-6dB Bandwidth NVNT n20 5785MHz Ant1



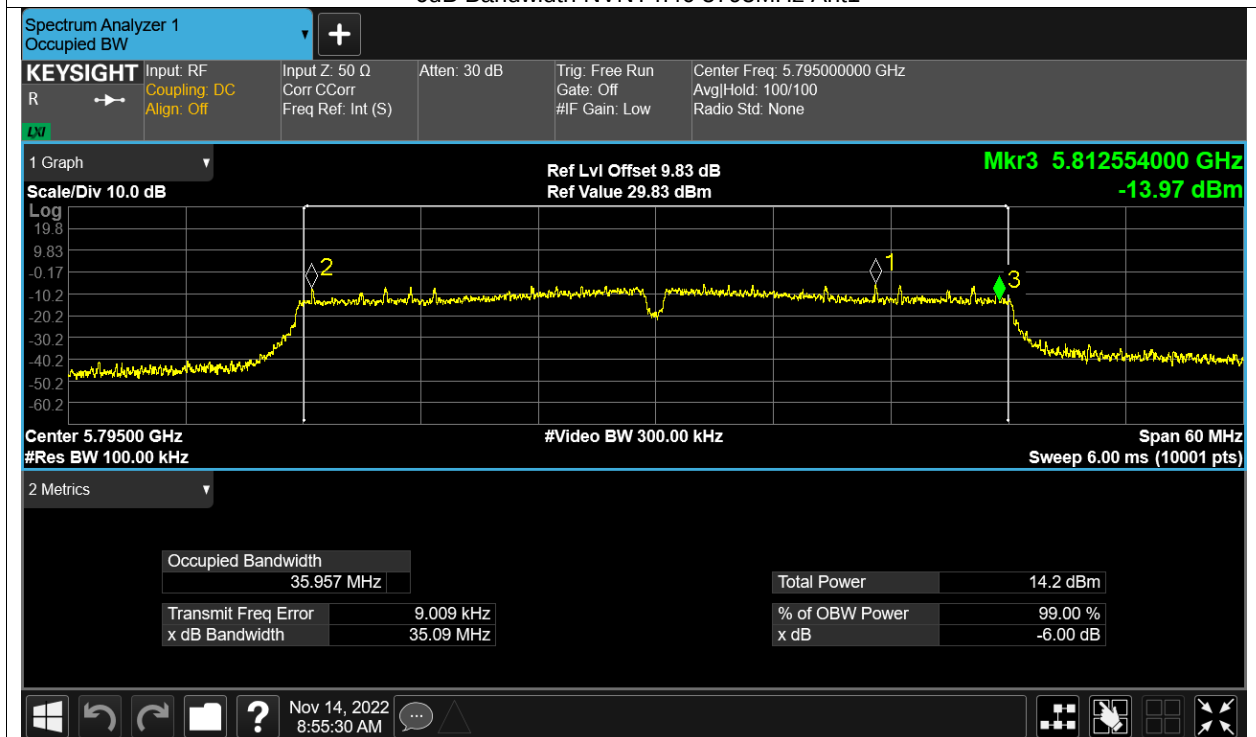
-6dB Bandwidth NVNT n20 5825MHz Ant1



-6dB Bandwidth NVNT n40 5755MHz Ant1



-6dB Bandwidth NVNT n40 5795MHz Ant1

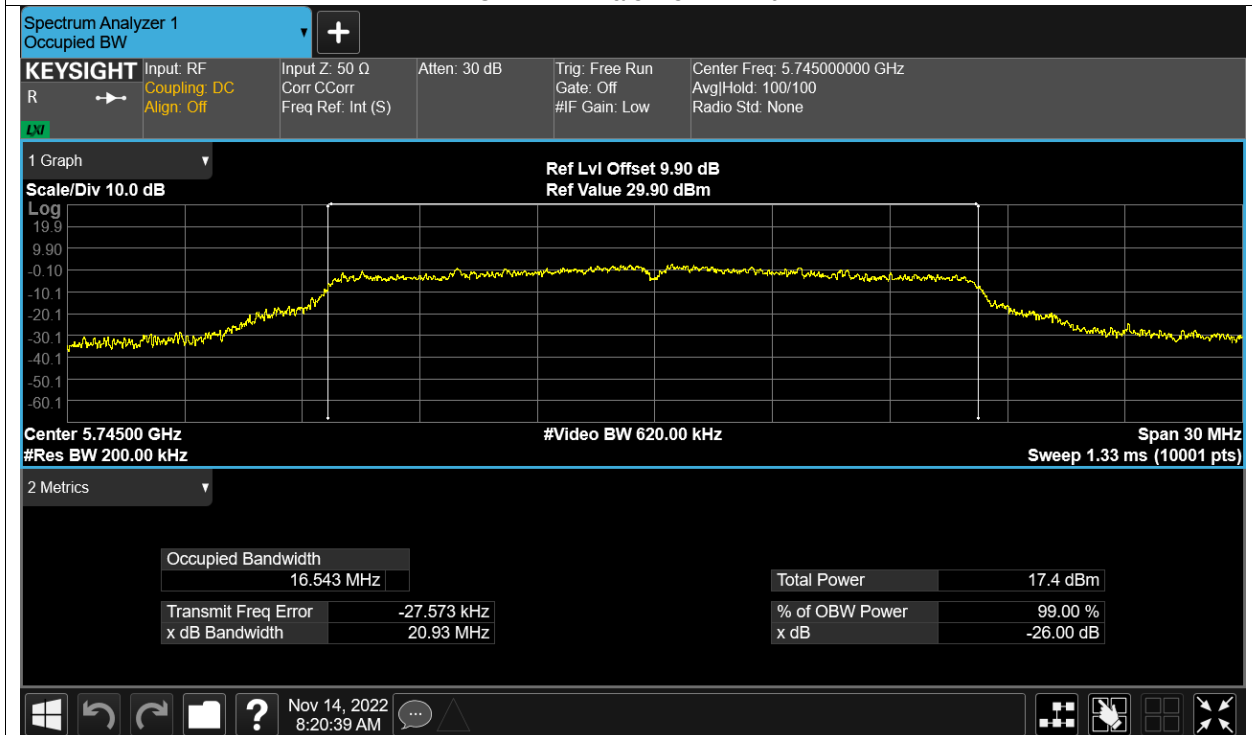


Occupied Channel Bandwidth

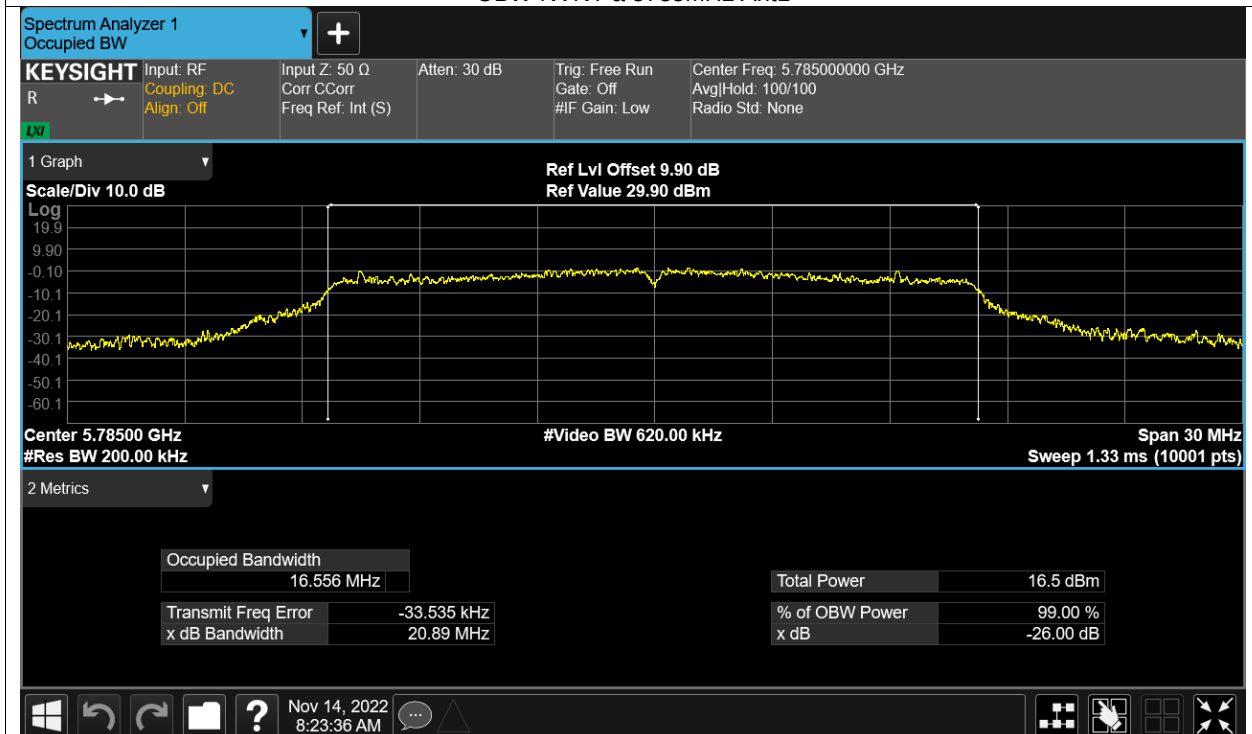
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.543
NVNT	a	5785	Ant1	16.556
NVNT	a	5825	Ant1	16.579
NVNT	ac20	5745	Ant1	17.641
NVNT	ac20	5785	Ant1	17.671
NVNT	ac20	5825	Ant1	17.673
NVNT	ac40	5755	Ant1	36.316
NVNT	ac40	5795	Ant1	36.262
NVNT	ac80	5775	Ant1	75.345
NVNT	n20	5745	Ant1	17.688
NVNT	n20	5785	Ant1	17.705
NVNT	n20	5825	Ant1	17.72
NVNT	n40	5755	Ant1	36.083
NVNT	n40	5795	Ant1	36.08

Test Graphs

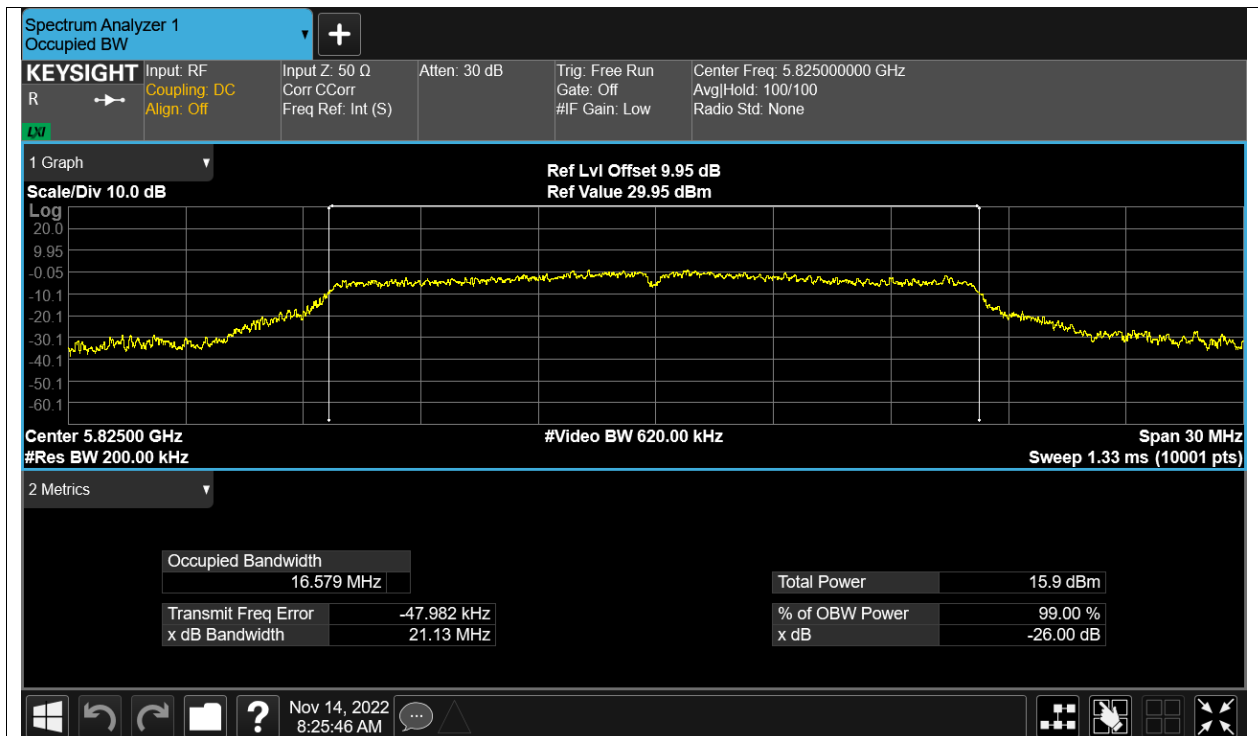
OBW NVNT a 5745MHz Ant1



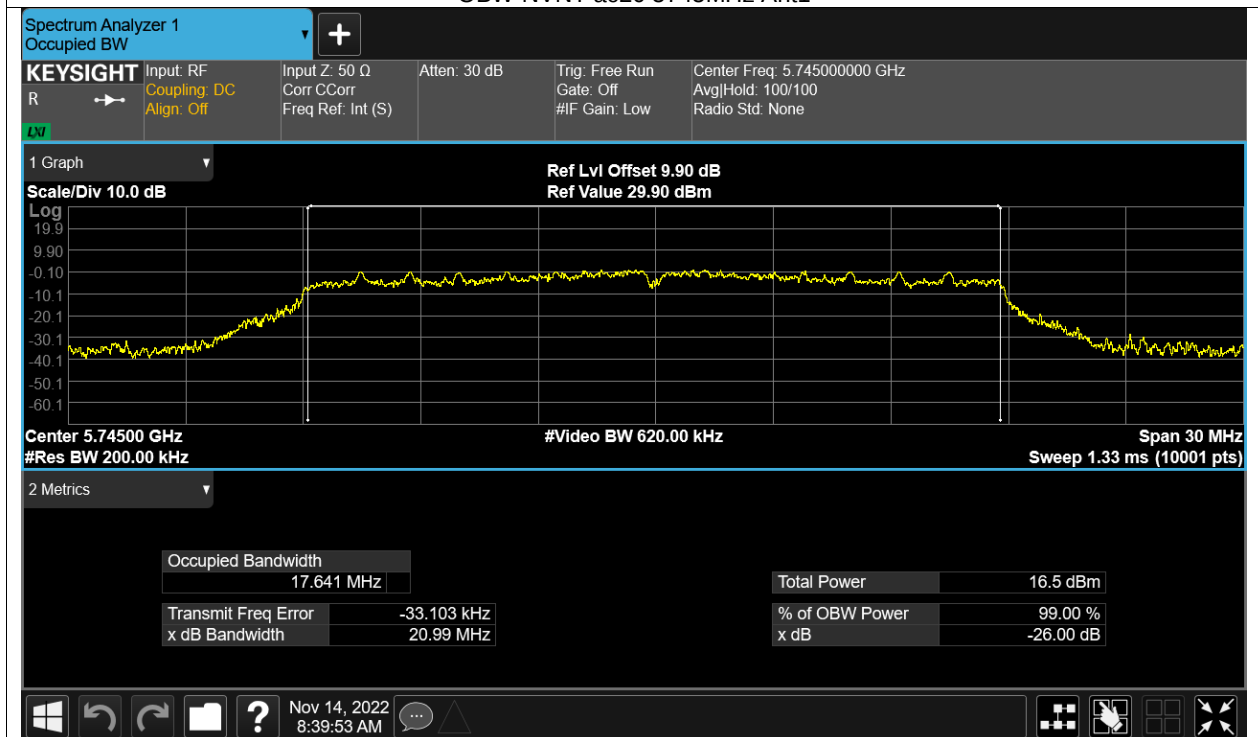
OBW NVNT a 5785MHz Ant1



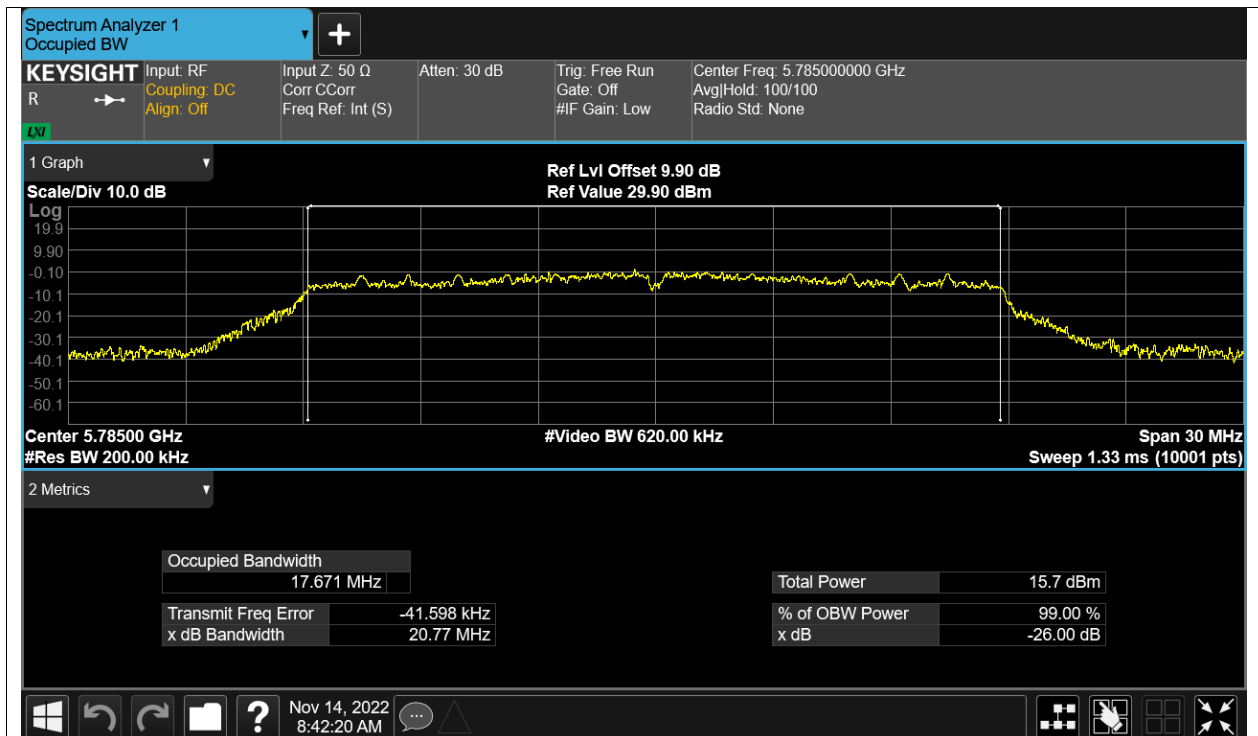
OBW NVNT a 5825MHz Ant1



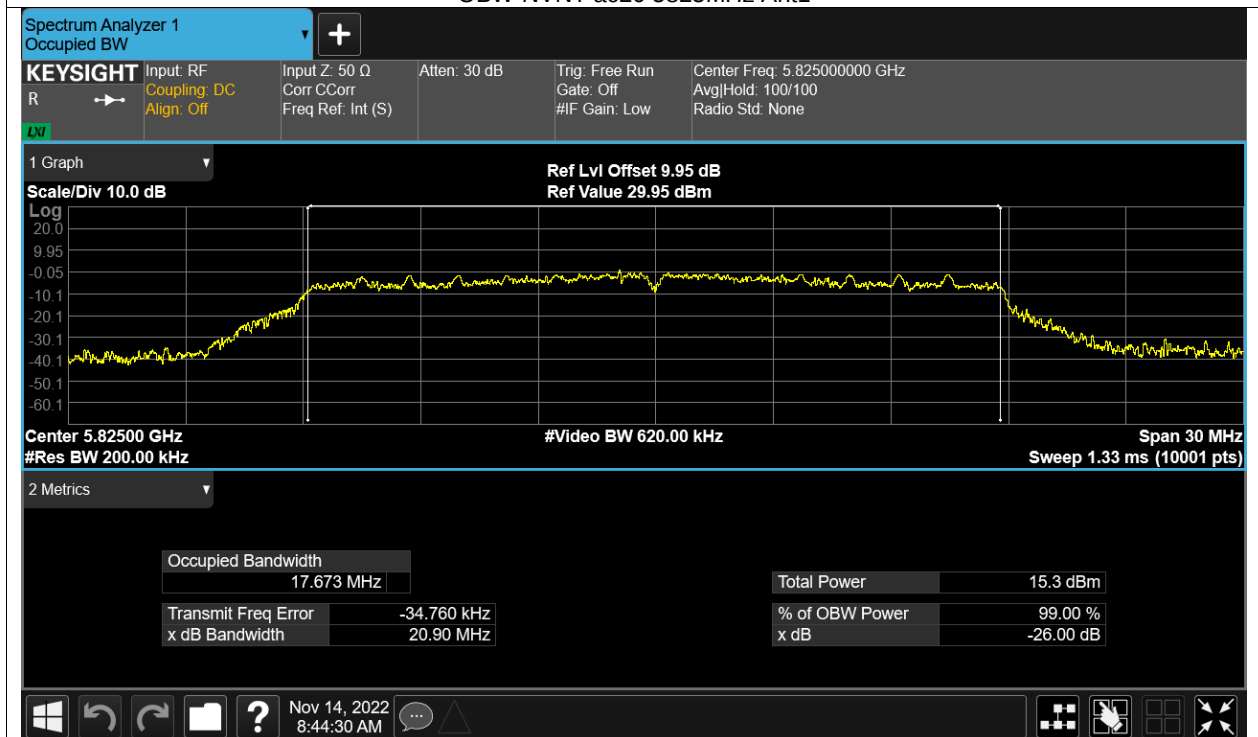
OBW NVNT ac20 5745MHz Ant1



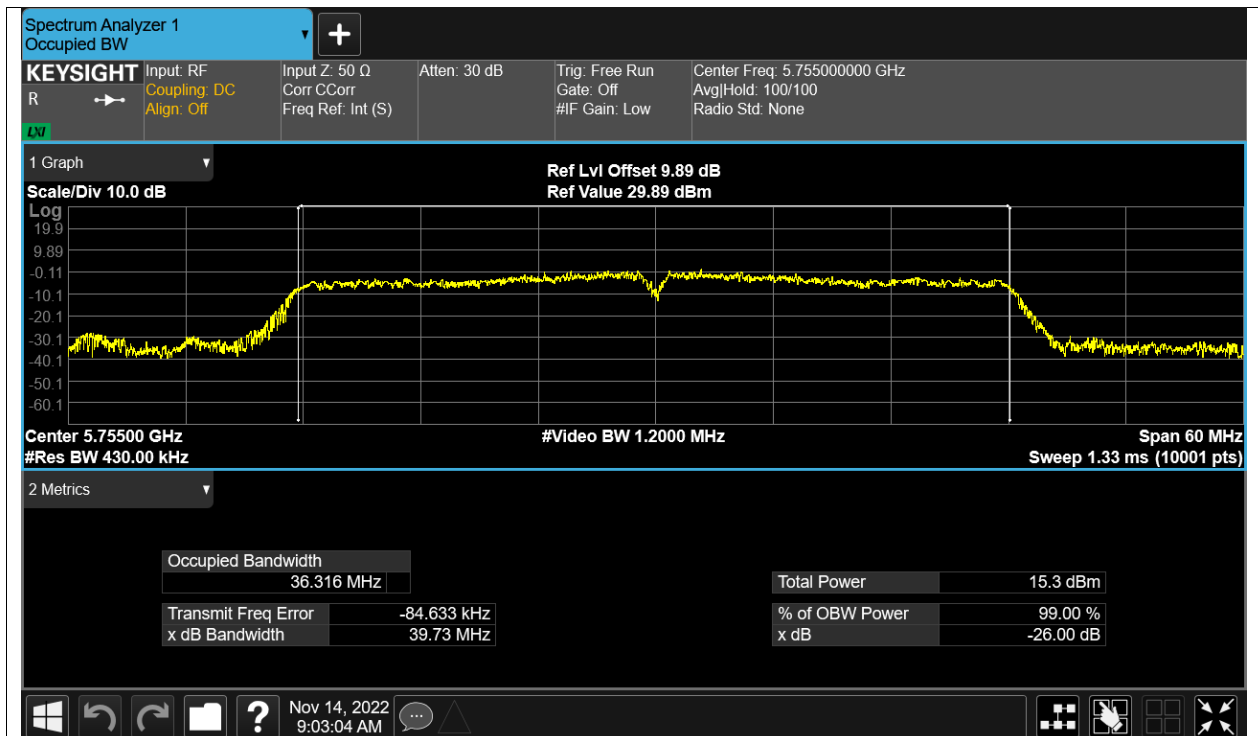
OBW NVNT ac20 5785MHz Ant1



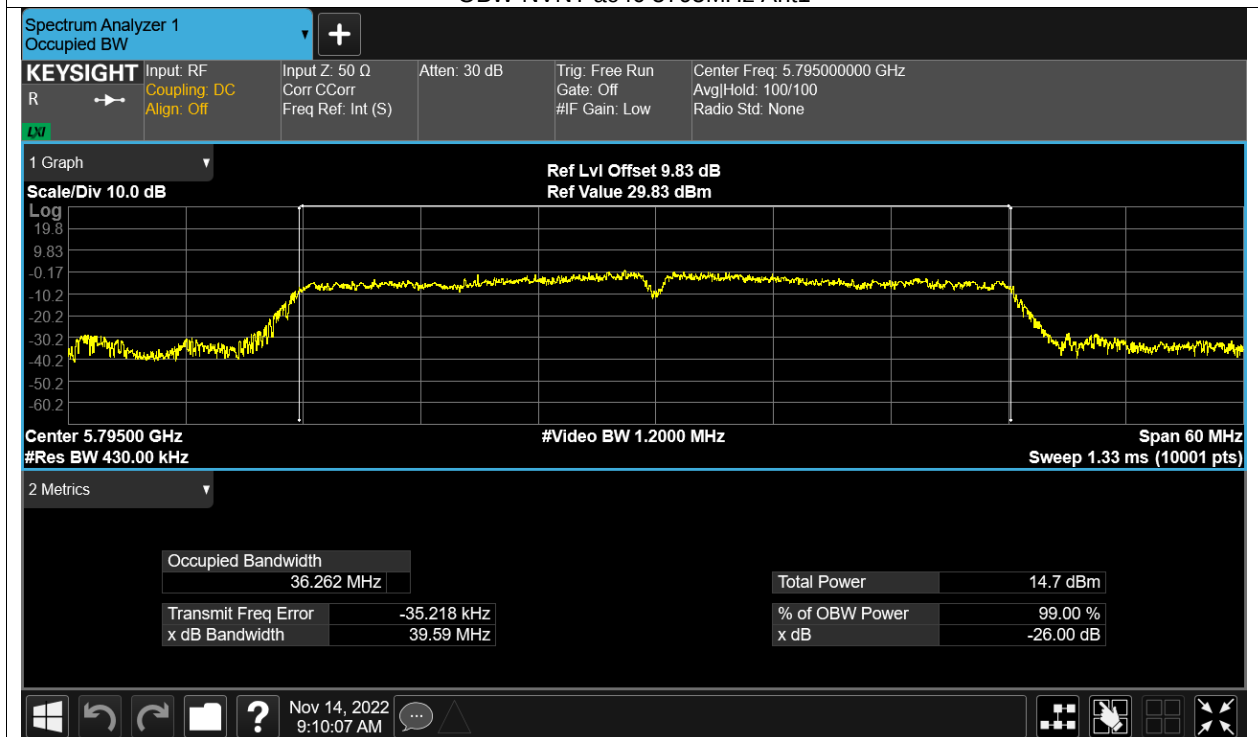
OBW NVNT ac20 5825MHz Ant1



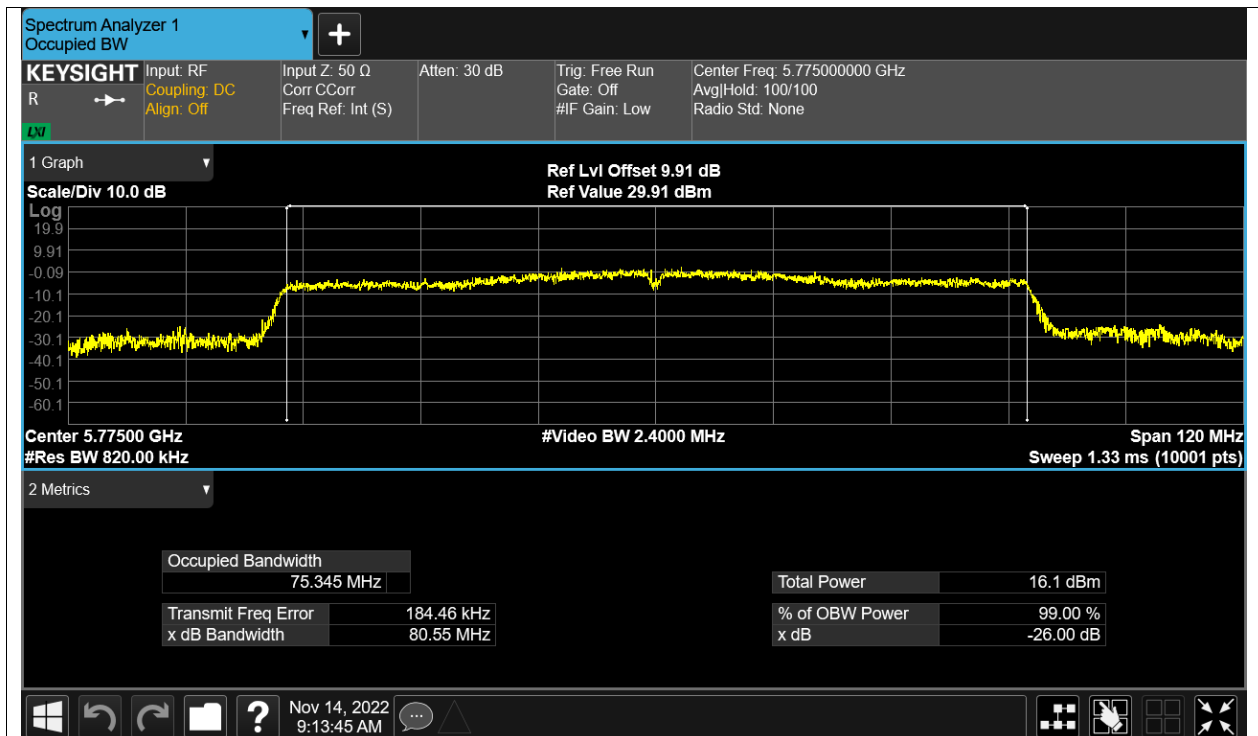
OBW NVNT ac40 5755MHz Ant1



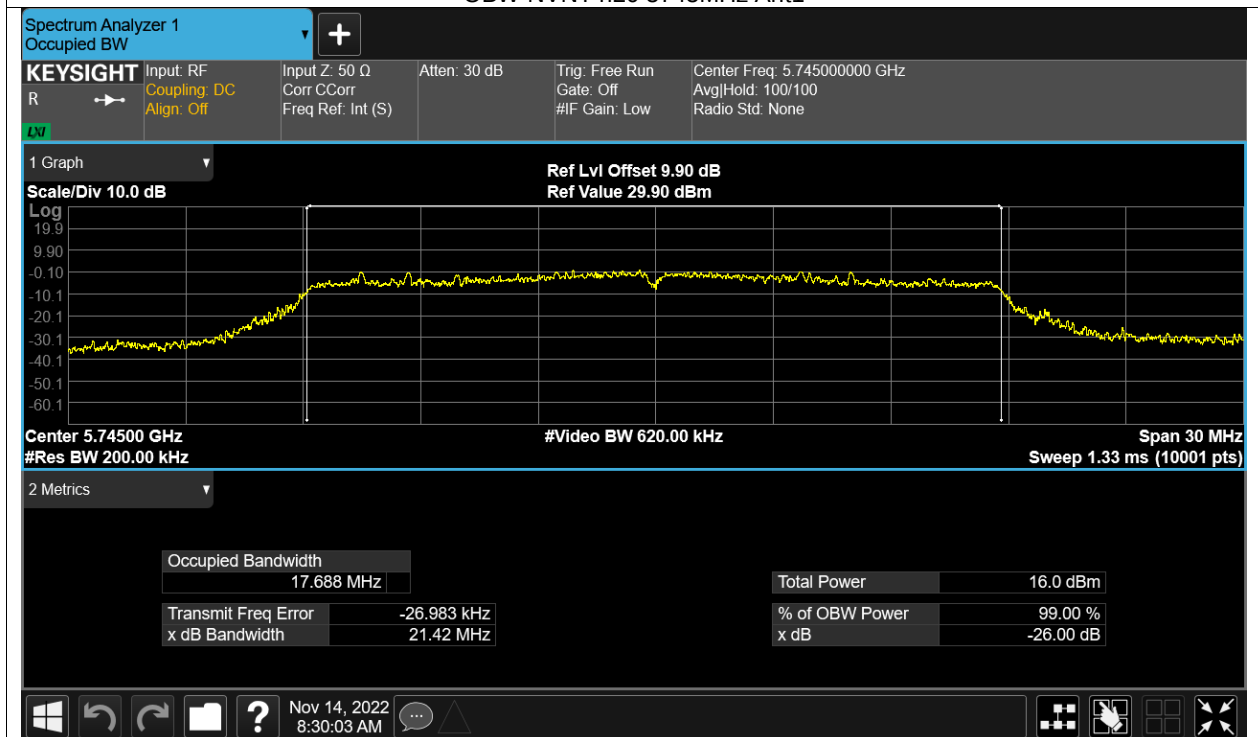
OBW NVNT ac40 5795MHz Ant1



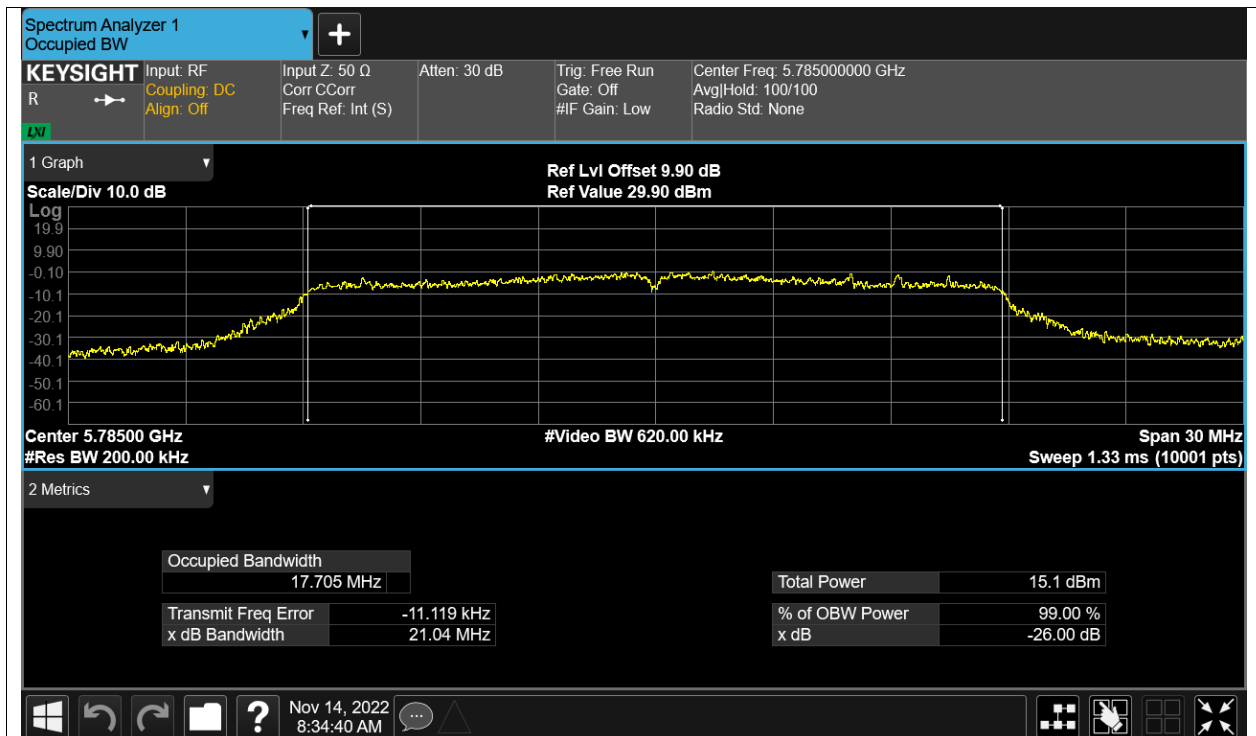
OBW NVNT ac80 5775MHz Ant1



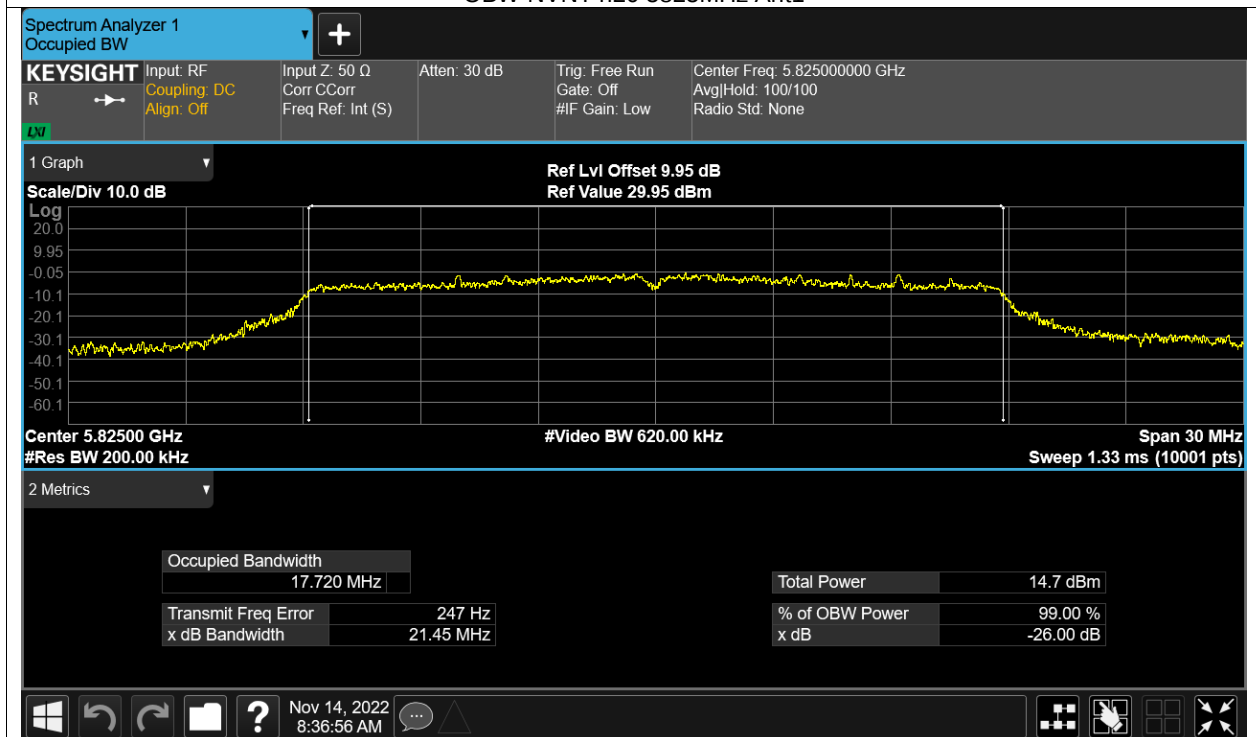
OBW NVNT n20 5745MHz Ant1



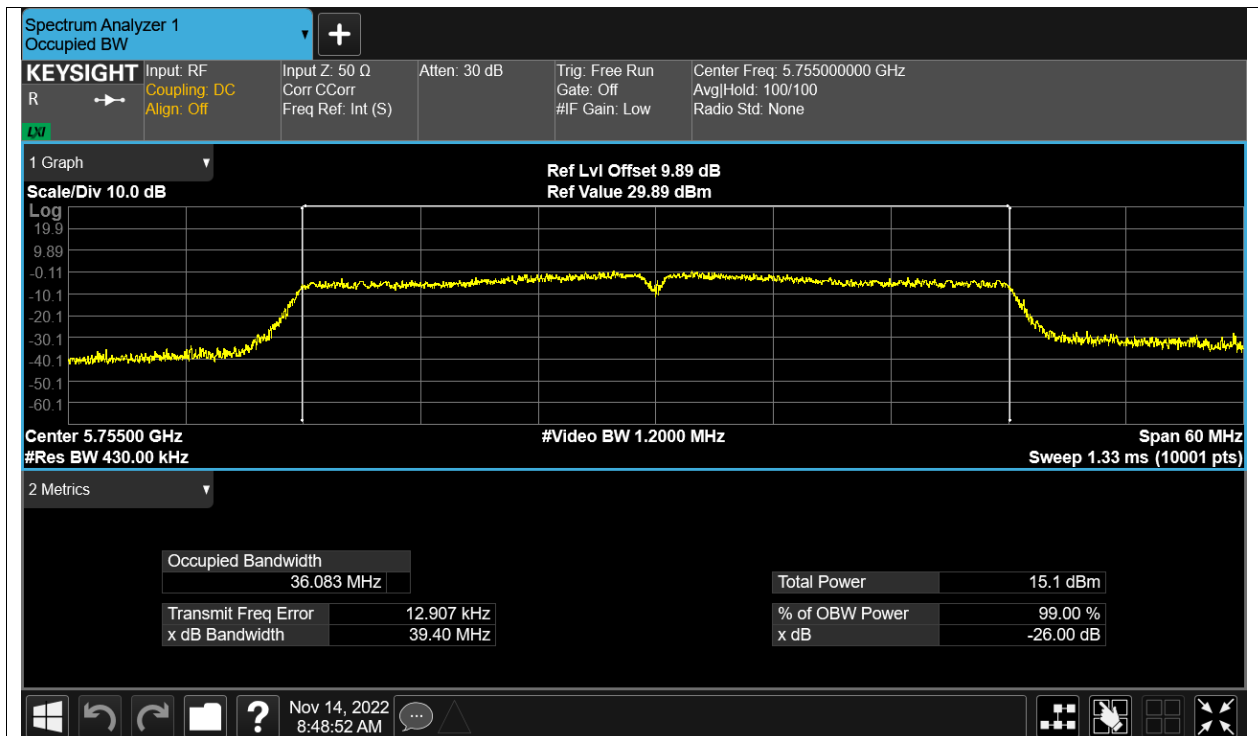
OBW NVNT n20 5785MHz Ant1



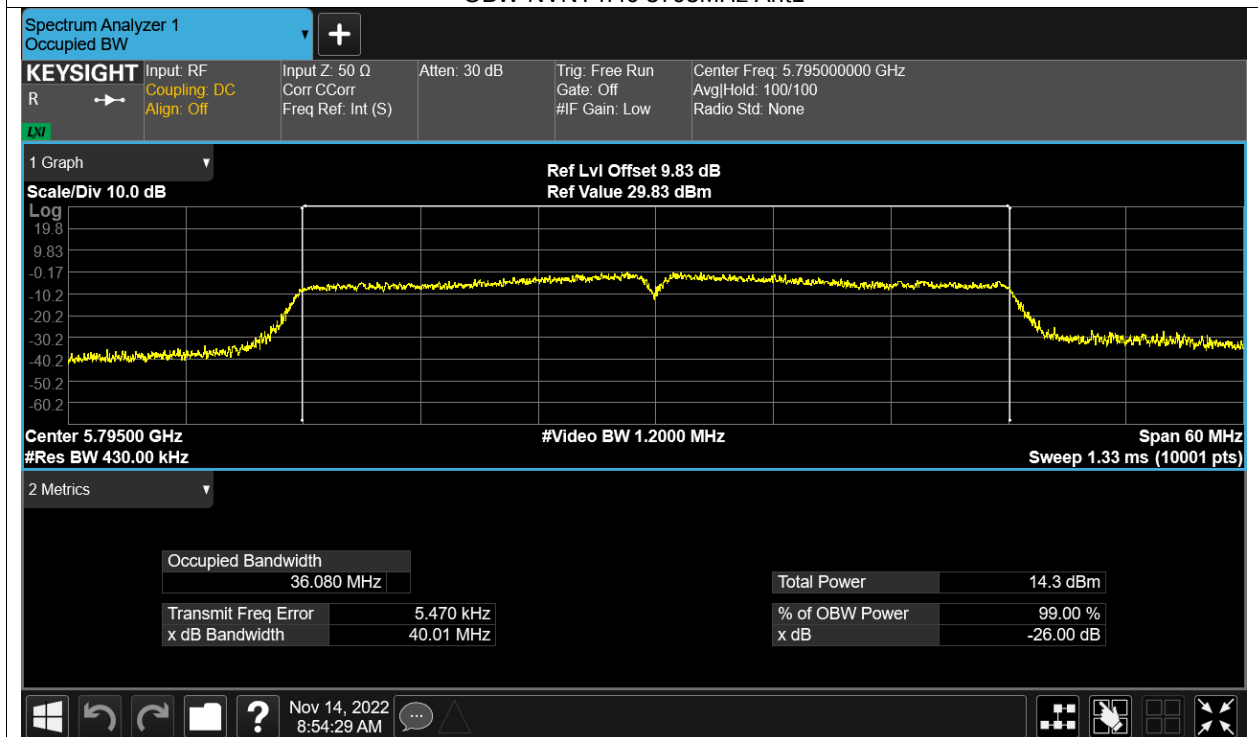
OBW NVNT n20 5825MHz Ant1



OBW NVNT n40 5755MHz Ant1



OBW NVNT n40 5795MHz Ant1

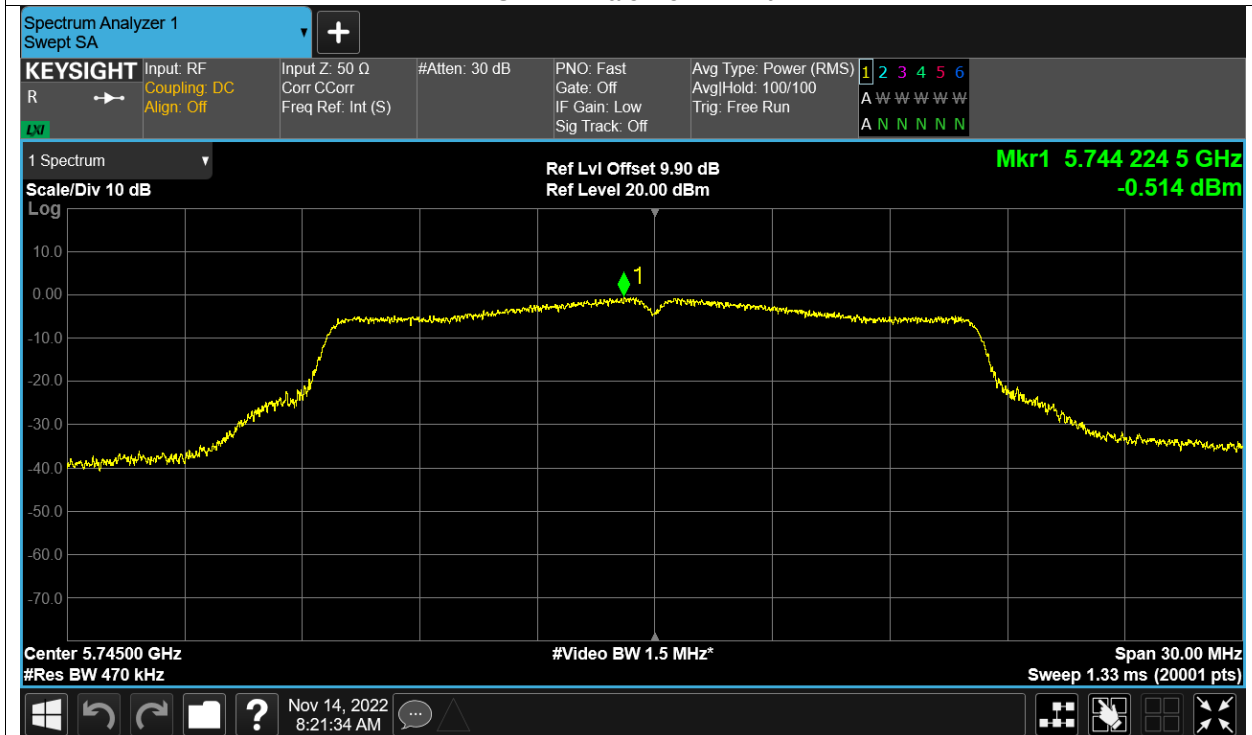


Maximum Power Spectral Density Level

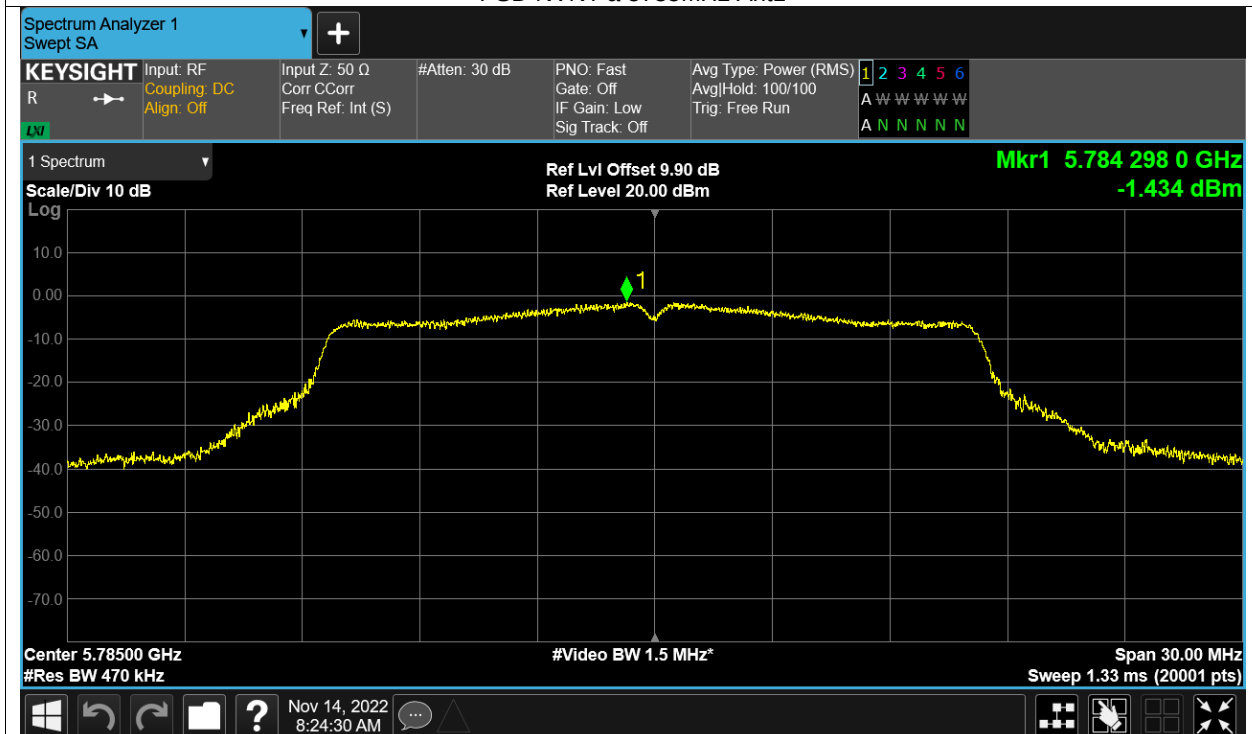
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-0.514	30	Pass
NVNT	a	5785	Ant1	-1.434	30	Pass
NVNT	a	5825	Ant1	-2.034	30	Pass
NVNT	ac20	5745	Ant1	-2.98	30	Pass
NVNT	ac20	5785	Ant1	-3.489	30	Pass
NVNT	ac20	5825	Ant1	-3.647	30	Pass
NVNT	ac40	5755	Ant1	-7.073	30	Pass
NVNT	ac40	5795	Ant1	-8.031	30	Pass
NVNT	ac80	5775	Ant1	-9.865	30	Pass
NVNT	n20	5745	Ant1	-2.406	30	Pass
NVNT	n20	5785	Ant1	-2.843	30	Pass
NVNT	n20	5825	Ant1	-3.612	30	Pass
NVNT	n40	5755	Ant1	-6.185	30	Pass
NVNT	n40	5795	Ant1	-7.137	30	Pass

Test Graphs

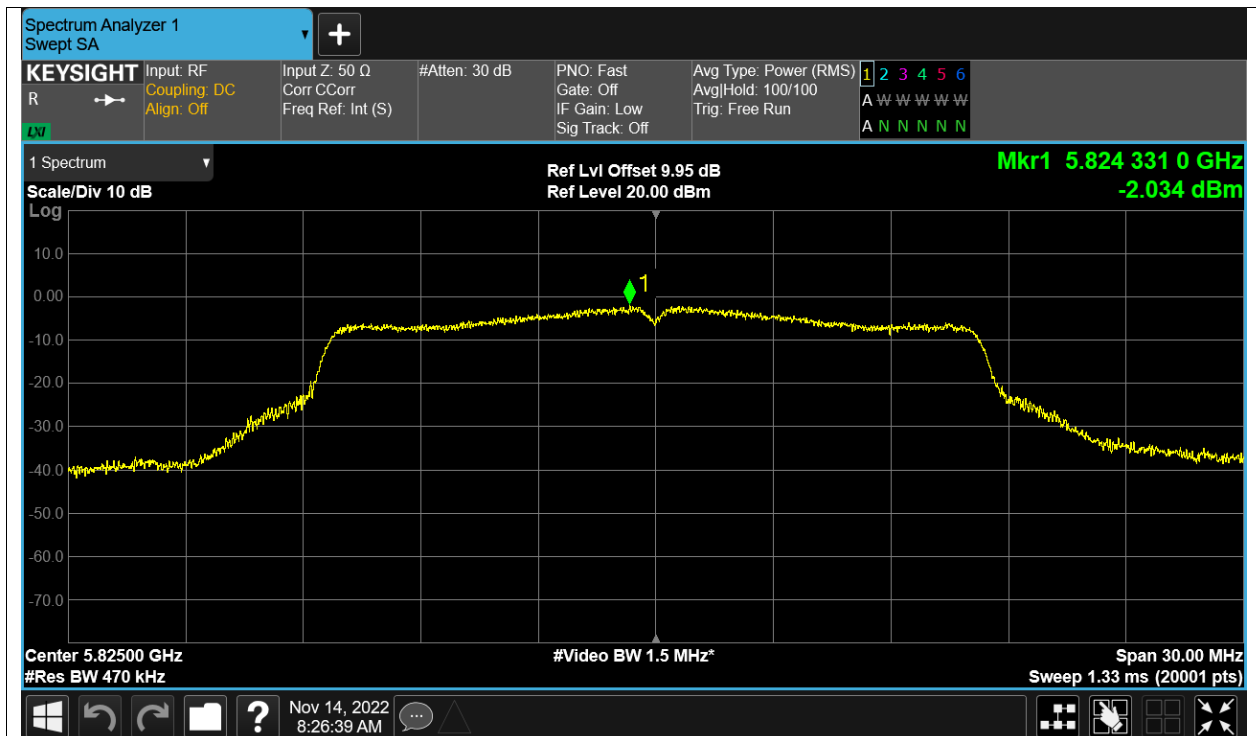
PSD NVNT a 5745MHz Ant1



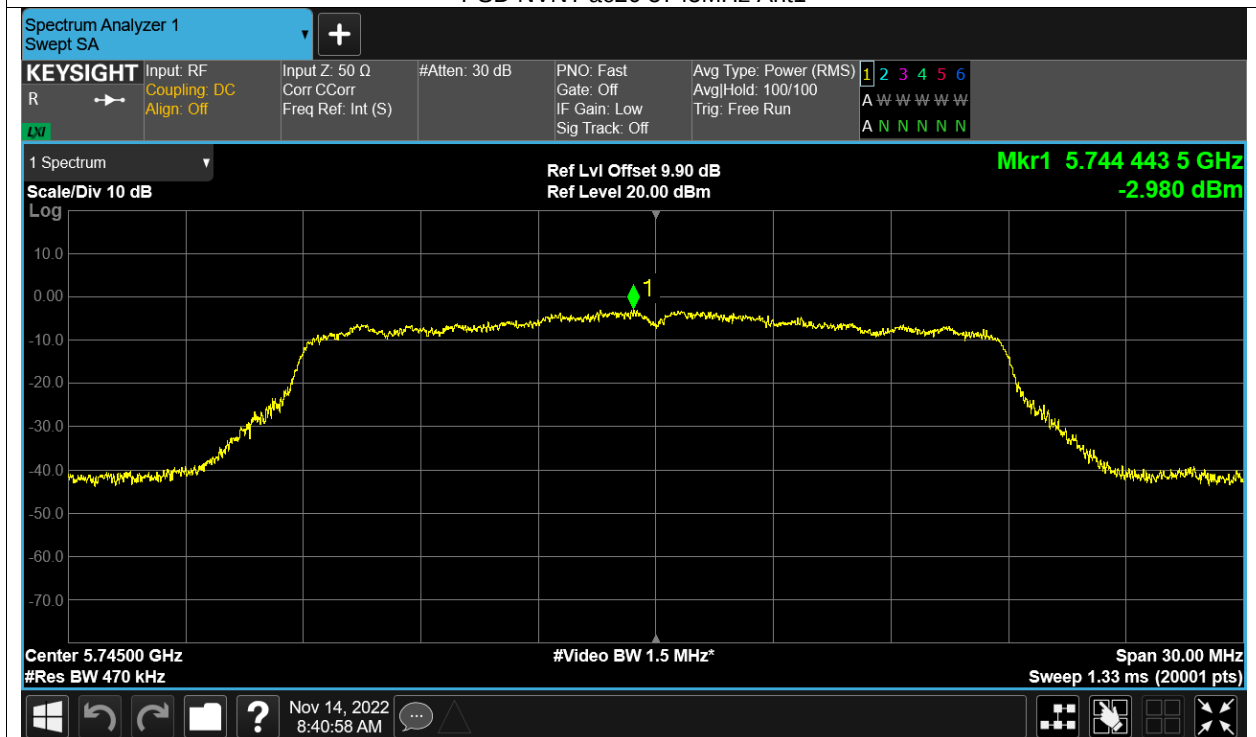
PSD NVNT a 5785MHz Ant1



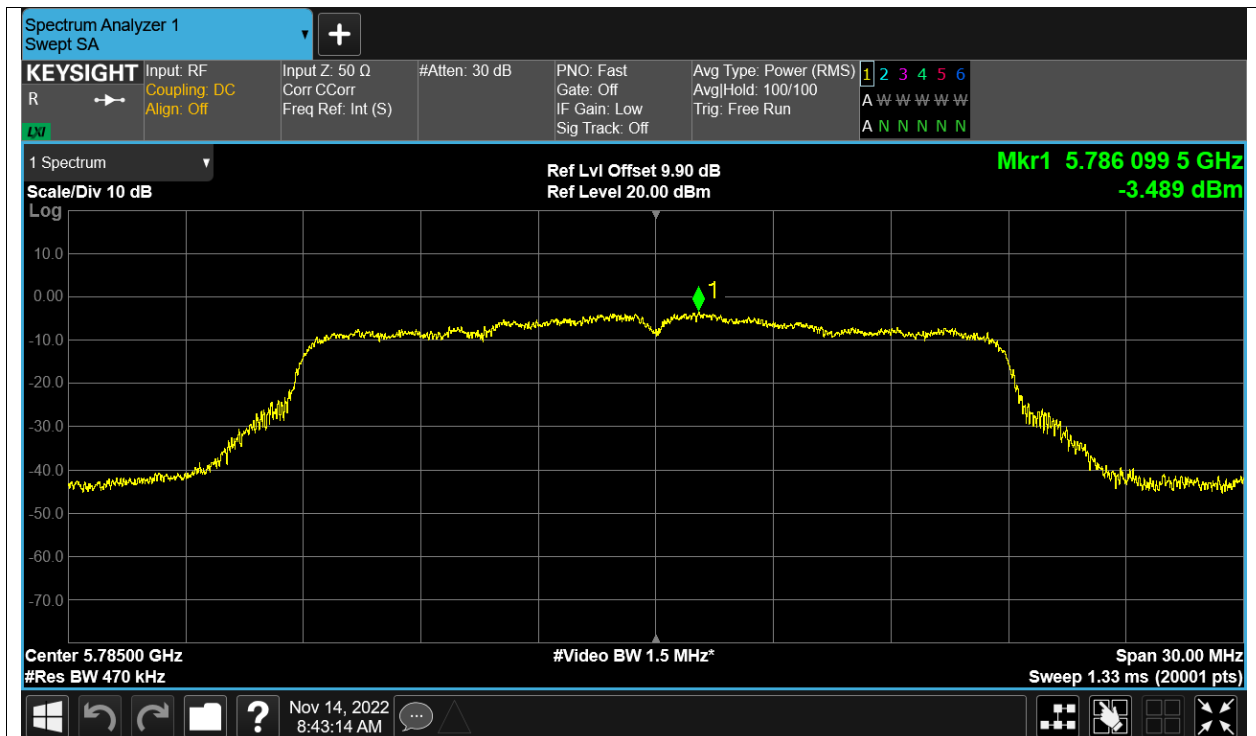
PSD NVNT a 5825MHz Ant1



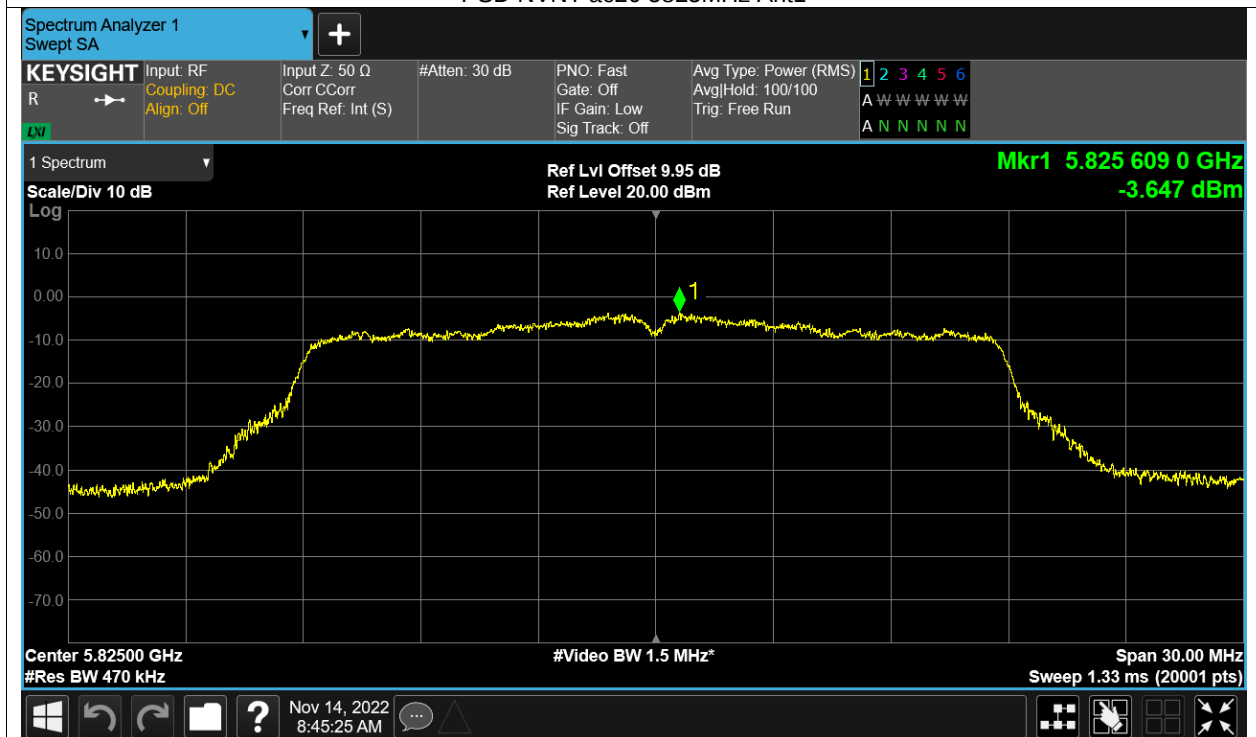
PSD NVNT ac20 5745MHz Ant1



PSD NVNT ac20 5785MHz Ant1



PSD NVNT ac20 5825MHz Ant1



PSD NVNT ac40 5755MHz Ant1