

## Test Data

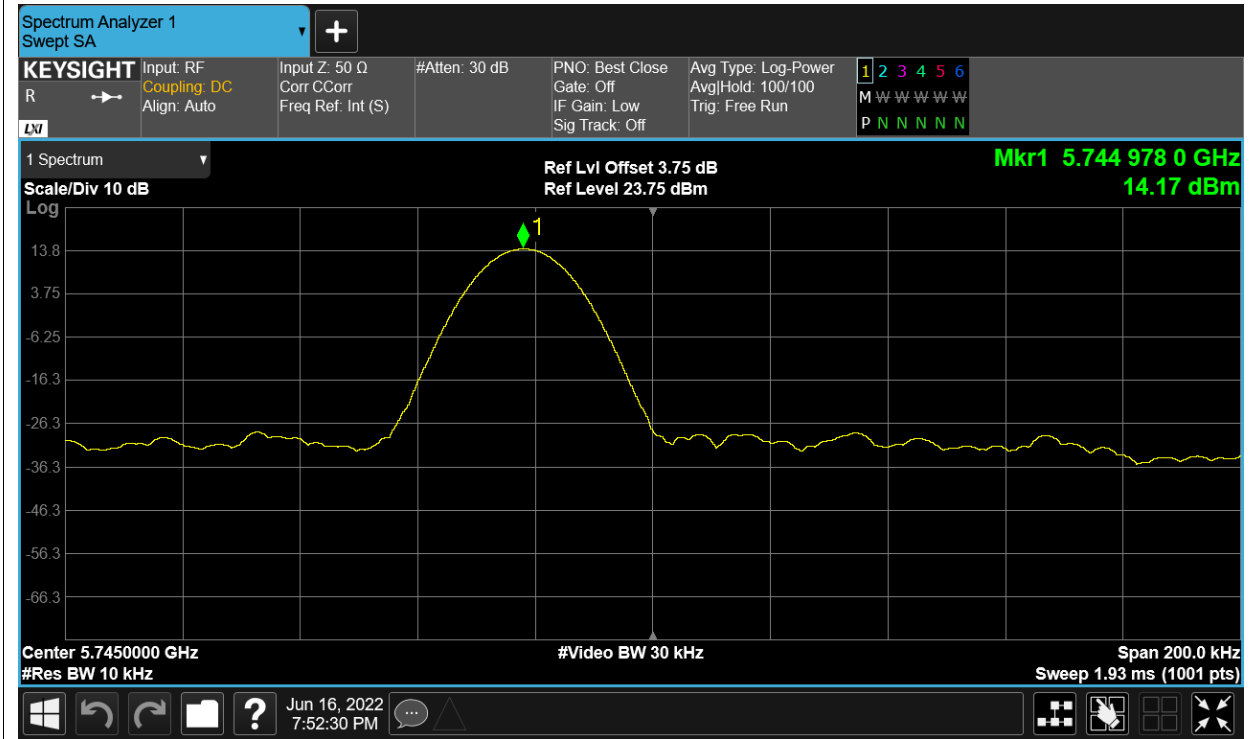
### Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5745	Ant1	5744.978	-3.83	Within authorized band	Pass
LVNT	a	5745	Ant1	5744.9782	-3.79		Pass
NVHT	a	5745	Ant1	5744.9784	-3.76		Pass
NVLT	a	5745	Ant1	5744.9788	-3.69		Pass
NVNT	a	5745	Ant1	5744.979	-3.66		Pass
HVNT	ac80	5775	Ant1	5774.9766	-4.05		Pass
LVNT	ac80	5775	Ant1	5774.9784	-3.74		Pass
NVHT	ac80	5775	Ant1	5774.9786	-3.71		Pass
NVLT	ac80	5775	Ant1	5774.9788	-3.67		Pass
NVNT	ac80	5775	Ant1	5774.9792	-3.6		Pass
HVNT	n40	5755	Ant1	5754.9776	-3.89		Pass
LVNT	n40	5755	Ant1	5754.9778	-3.86		Pass
NVHT	n40	5755	Ant1	5754.9778	-3.86		Pass
NVLT	n40	5755	Ant1	5754.978	-3.82		Pass
NVNT	n40	5755	Ant1	5754.9782	-3.79		Pass

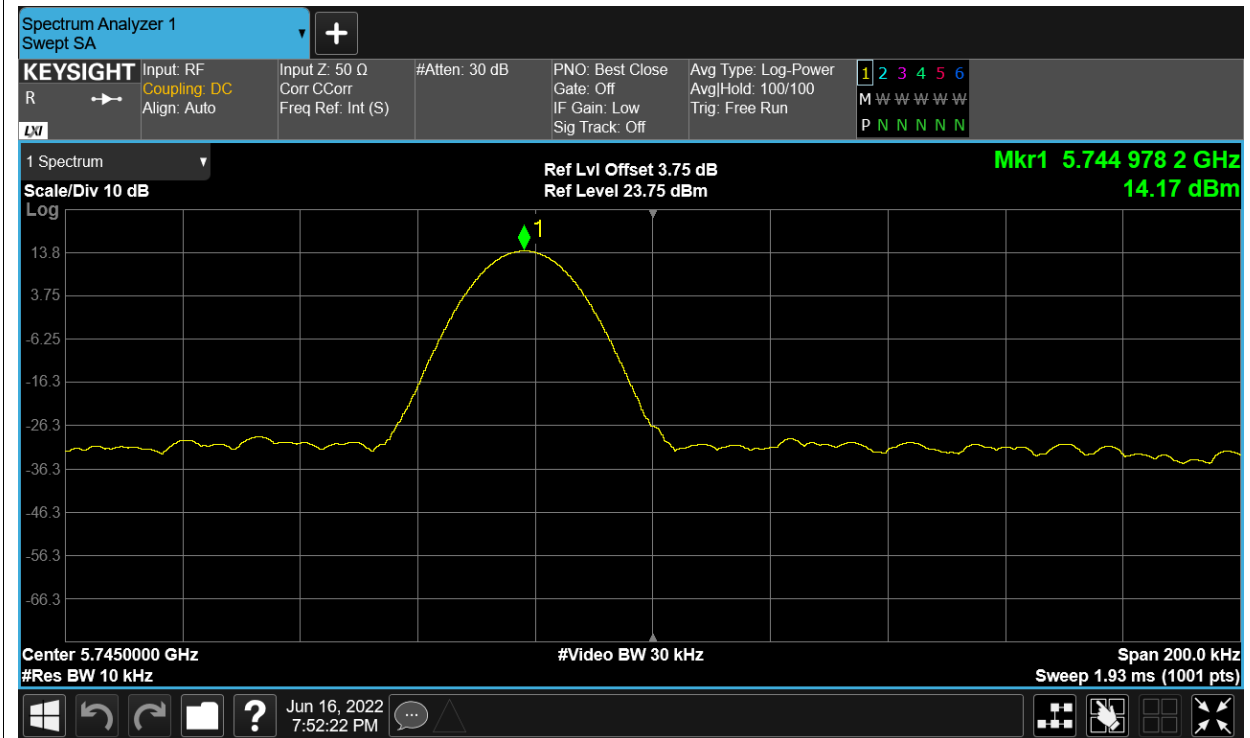
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

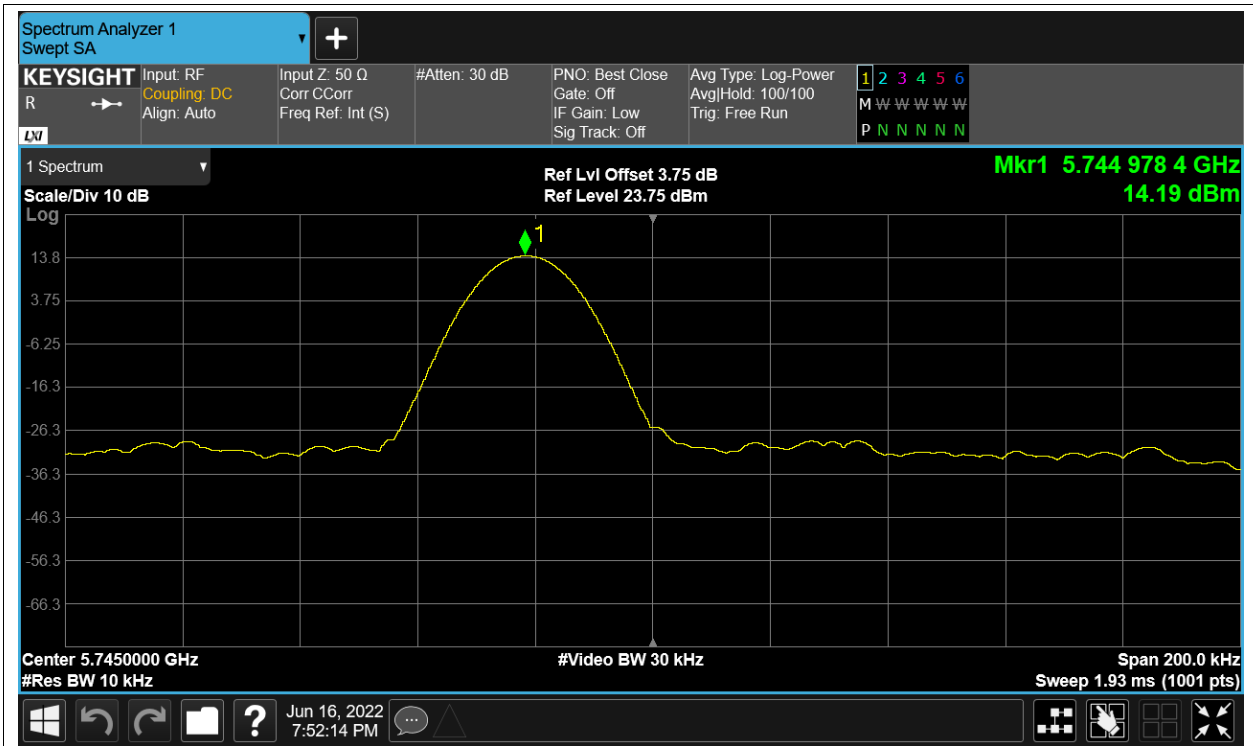
Freq. Stability HVNT a 5745MHz Ant1



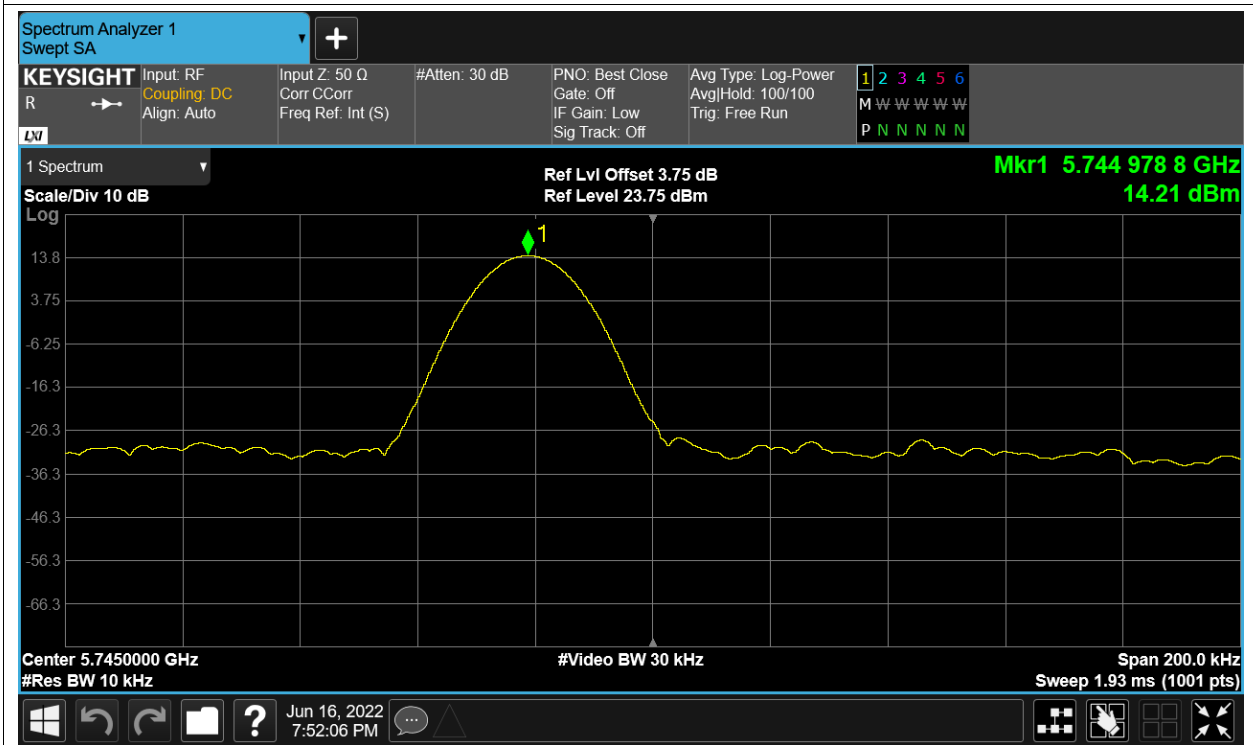
Freq. Stability LVNT a 5745MHz Ant1



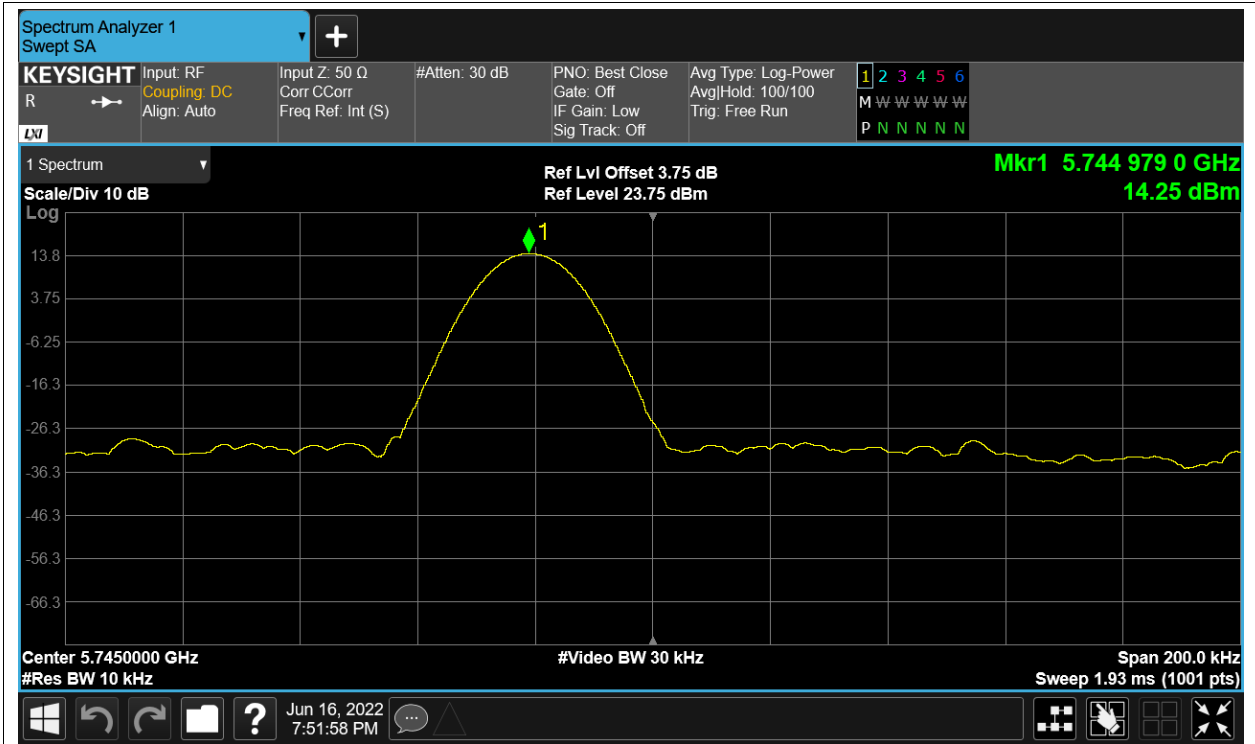
Freq. Stability NVHT a 5745MHz Ant1



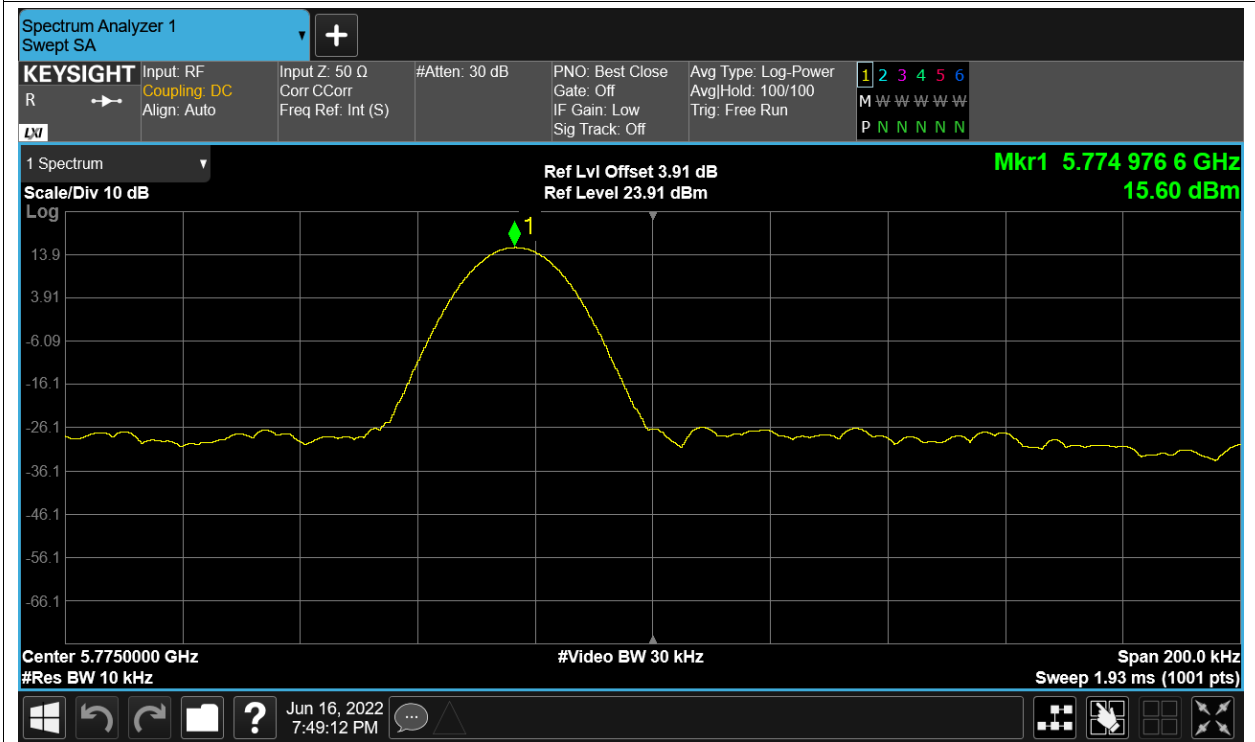
Freq. Stability NVLT a 5745MHz Ant1



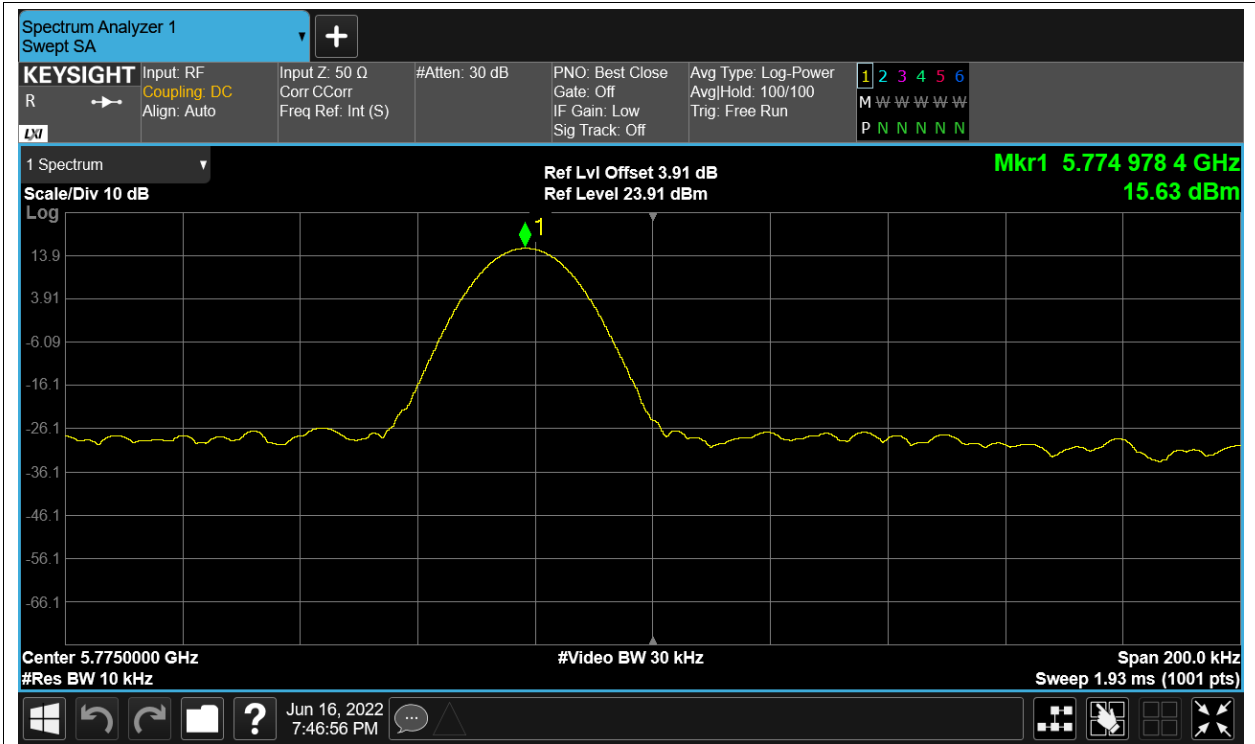
Freq. Stability NVNT a 5745MHz Ant1



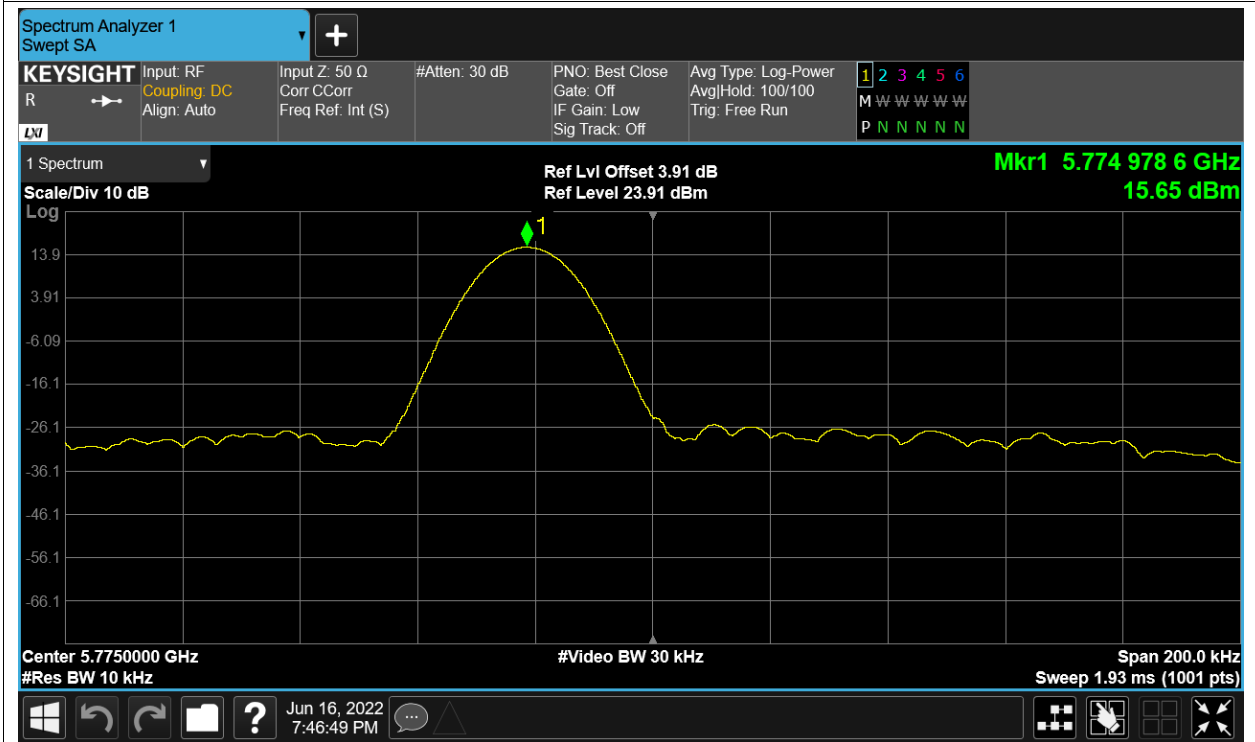
Freq. Stability HVNT ac80 5775MHz Ant1



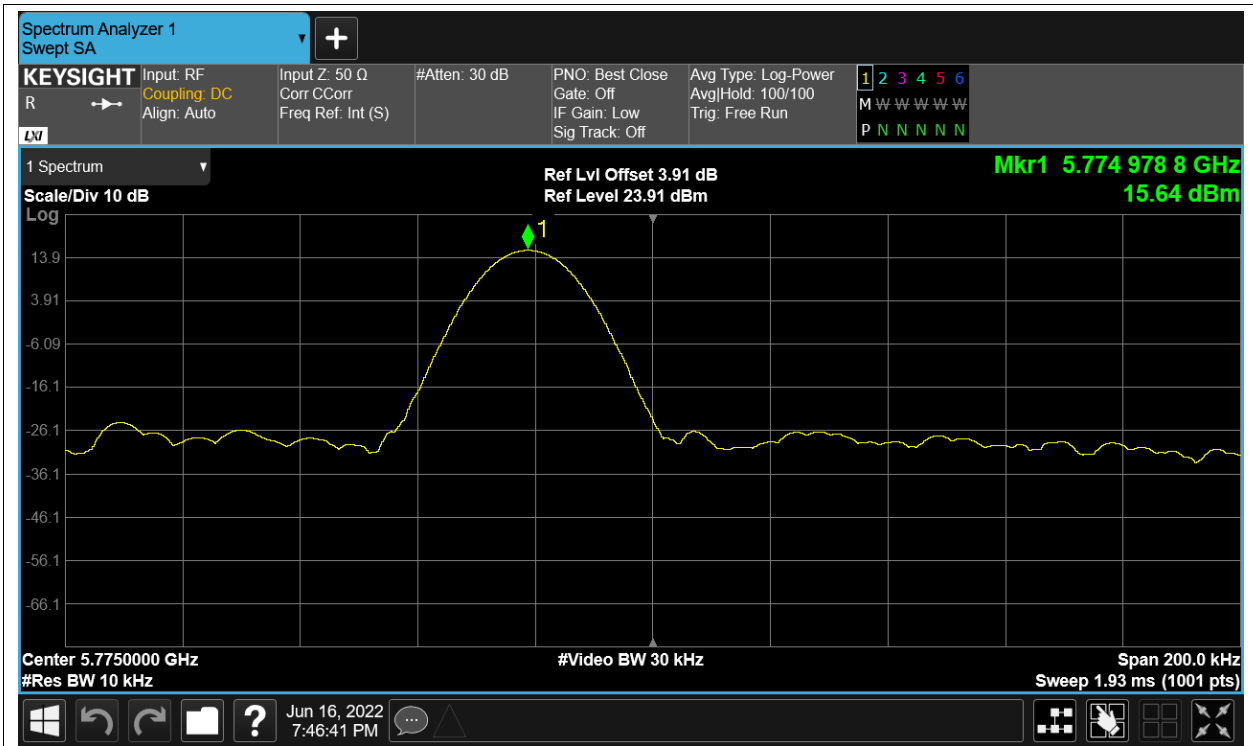
Freq. Stability LVNT ac80 5775MHz Ant1



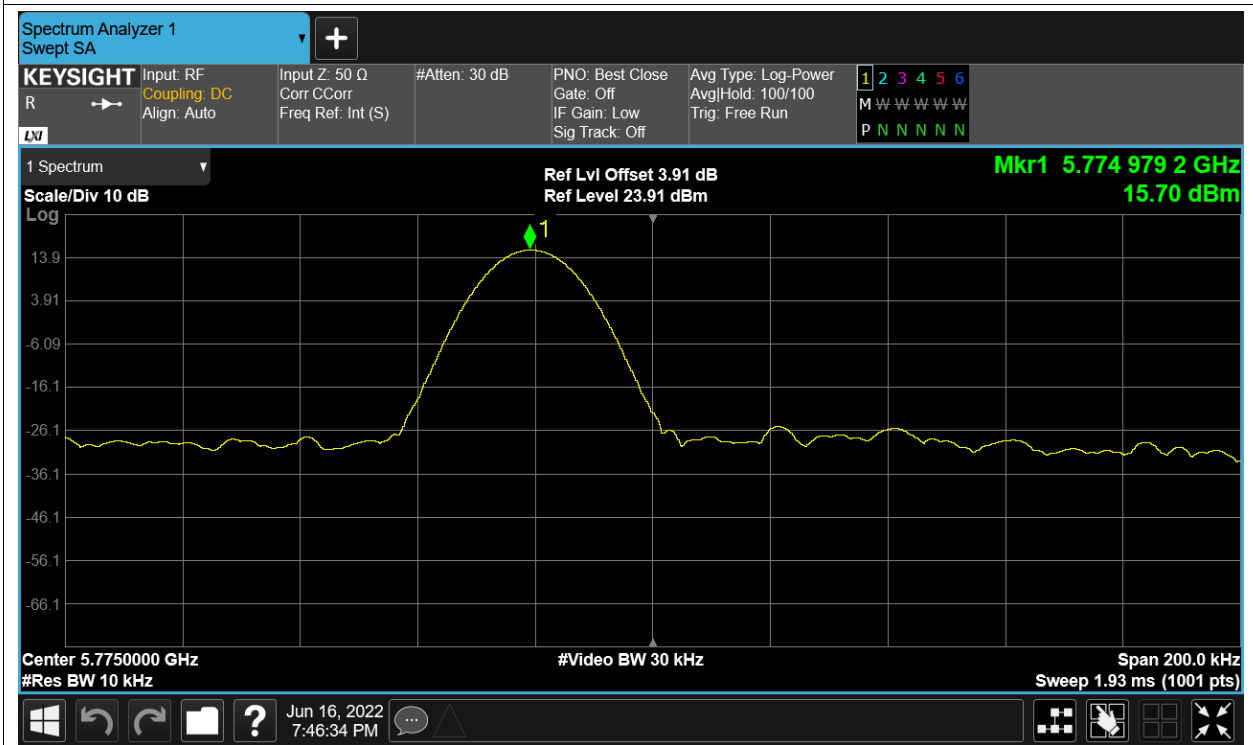
Freq. Stability NVHT ac80 5775MHz Ant1



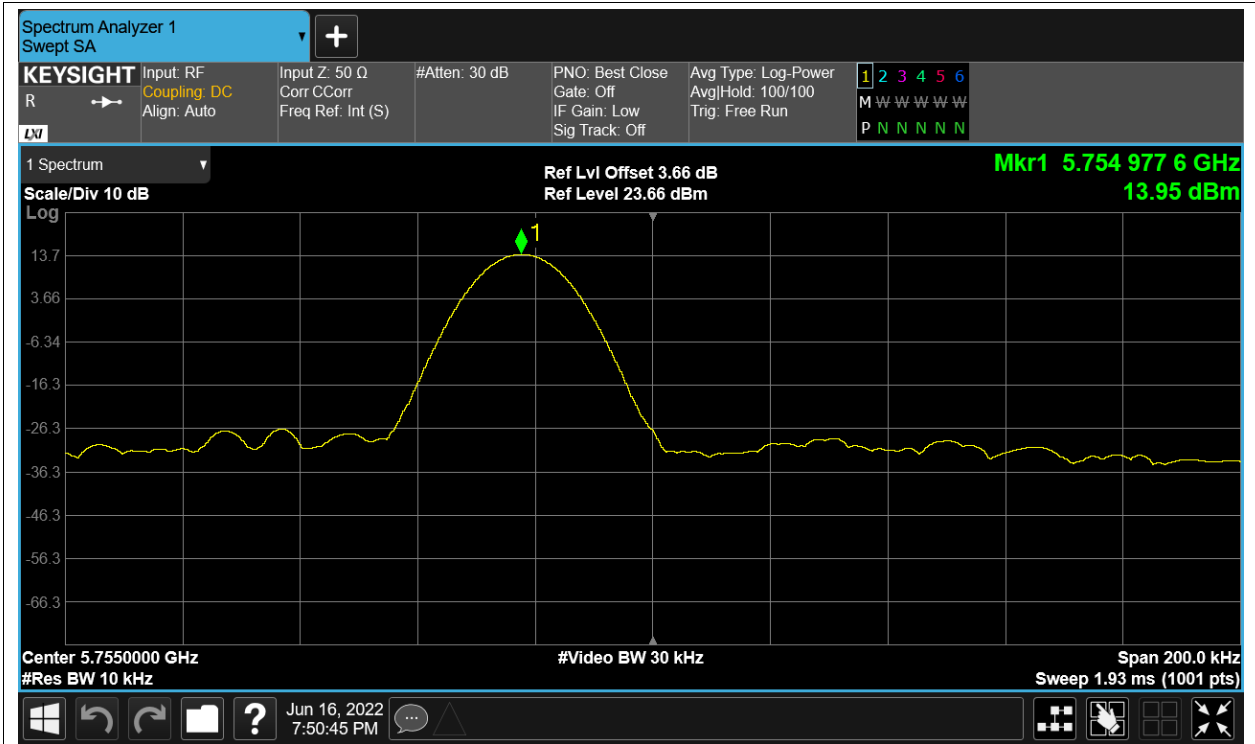
Freq. Stability NVLT ac80 5775MHz Ant1



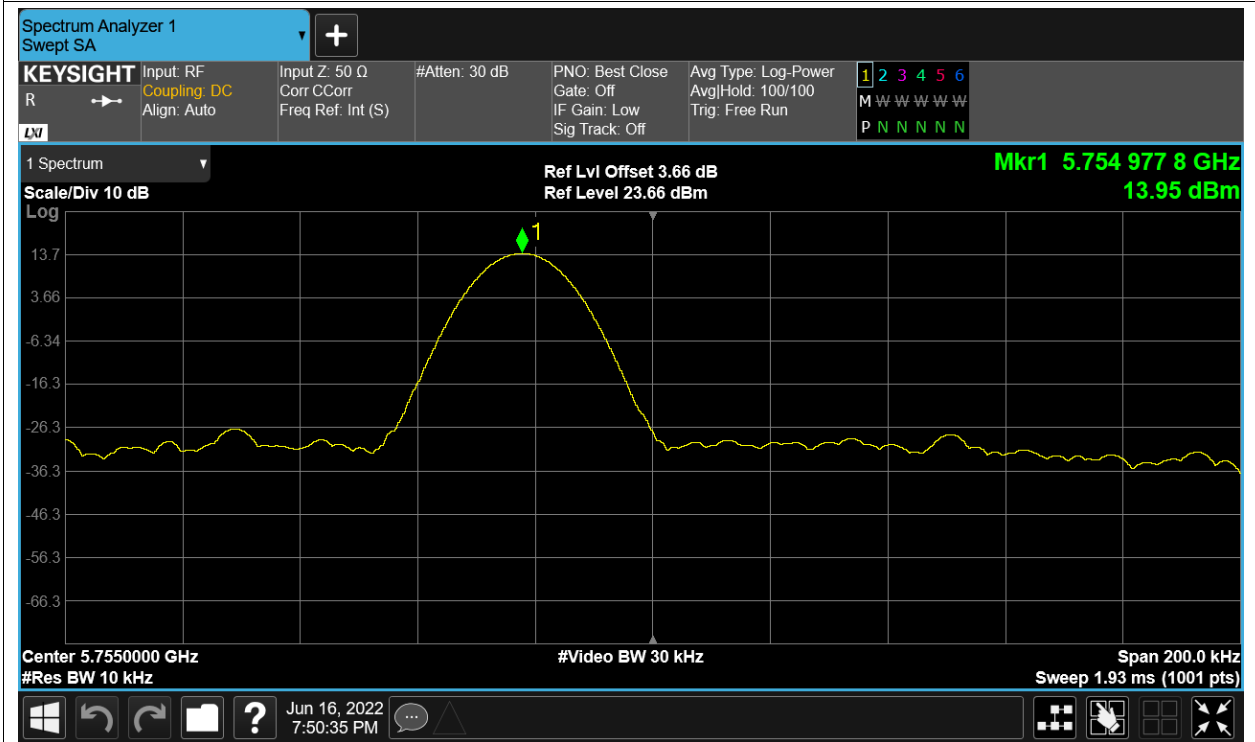
Freq. Stability NVNT ac80 5775MHz Ant1



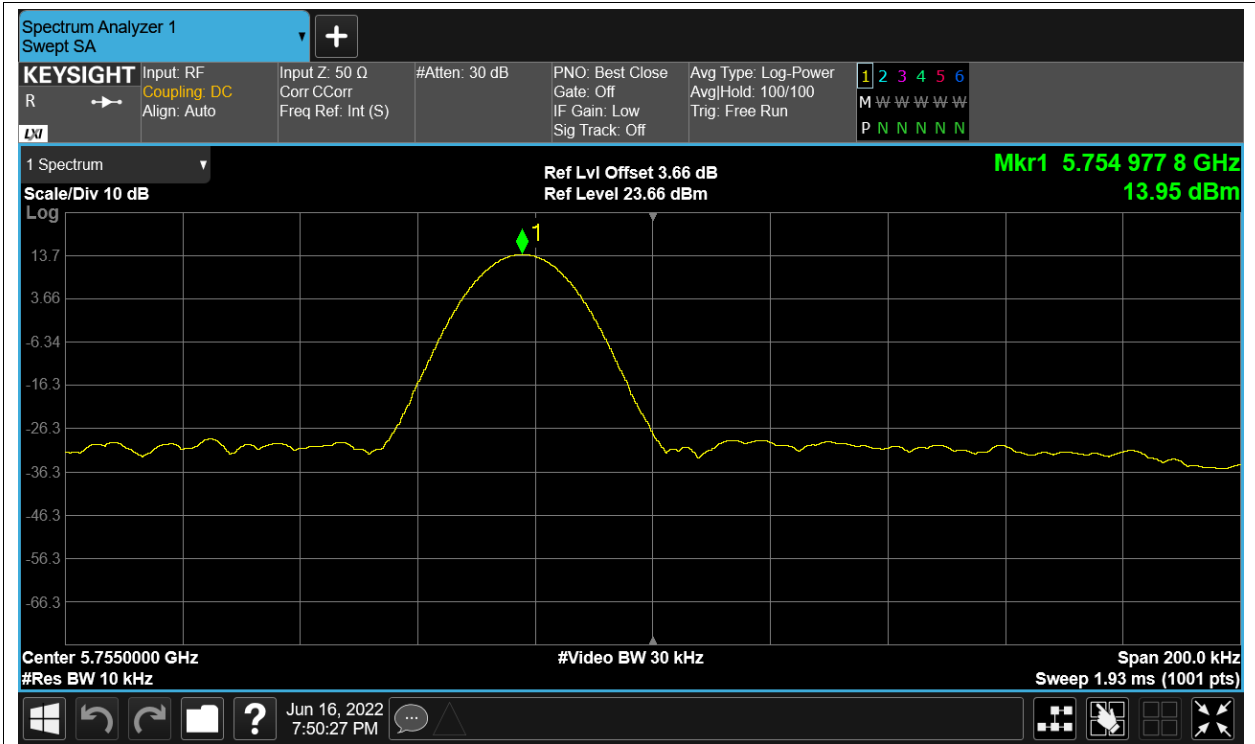
Freq. Stability HVNT n40 5755MHz Ant1



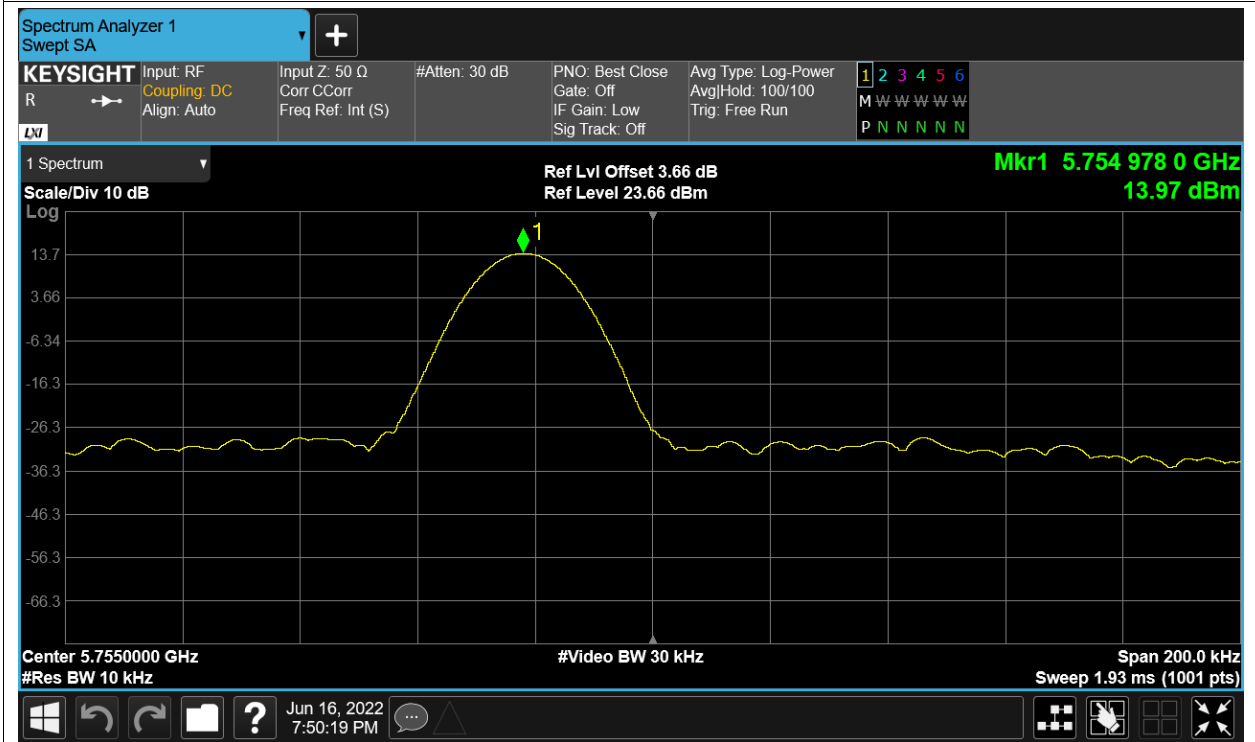
Freq. Stability LVNT n40 5755MHz Ant1



Freq. Stability NVHT n40 5755MHz Ant1

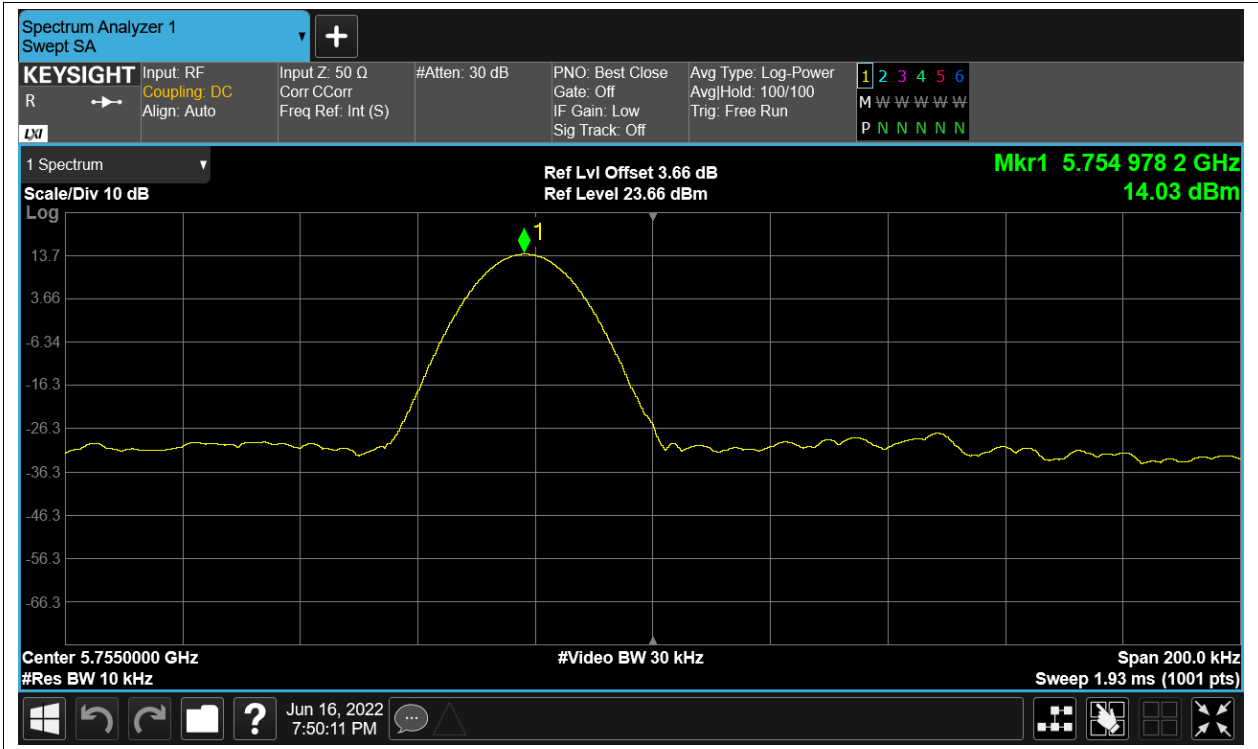


Freq. Stability NVLT n40 5755MHz Ant1



Freq. Stability NVNT n40 5755MHz Ant1



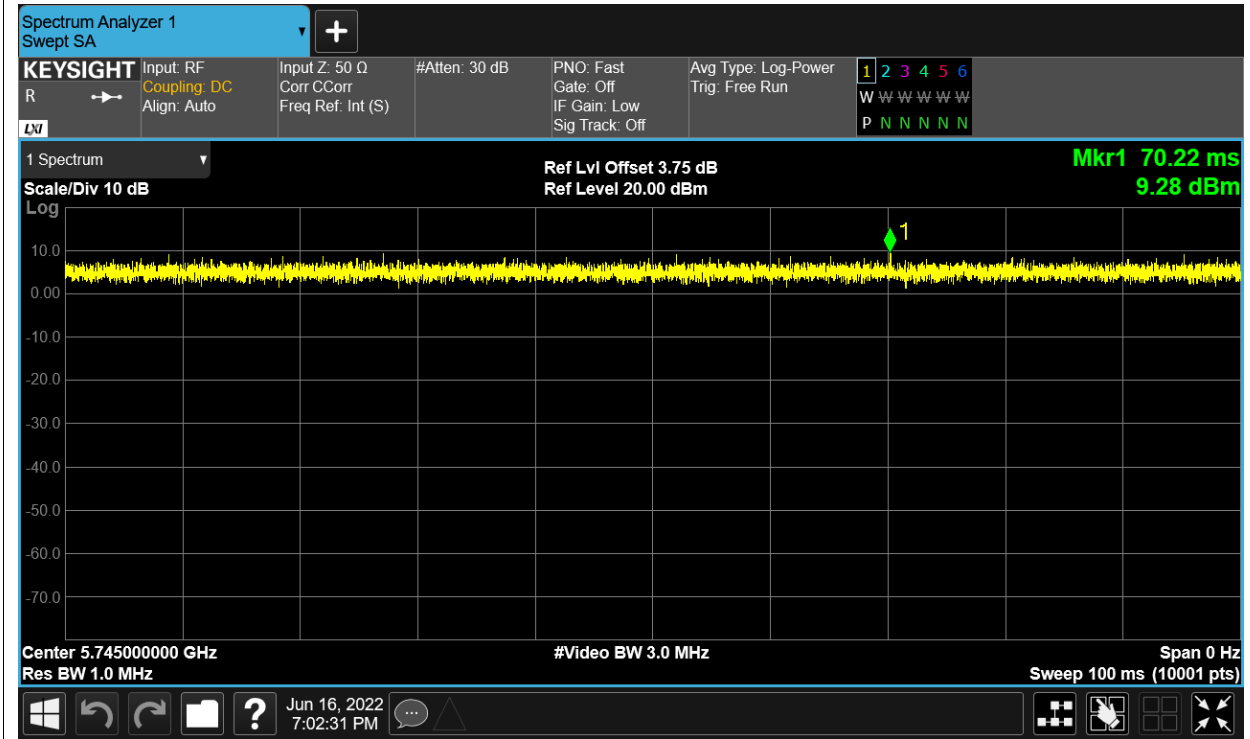


## Duty Cycle

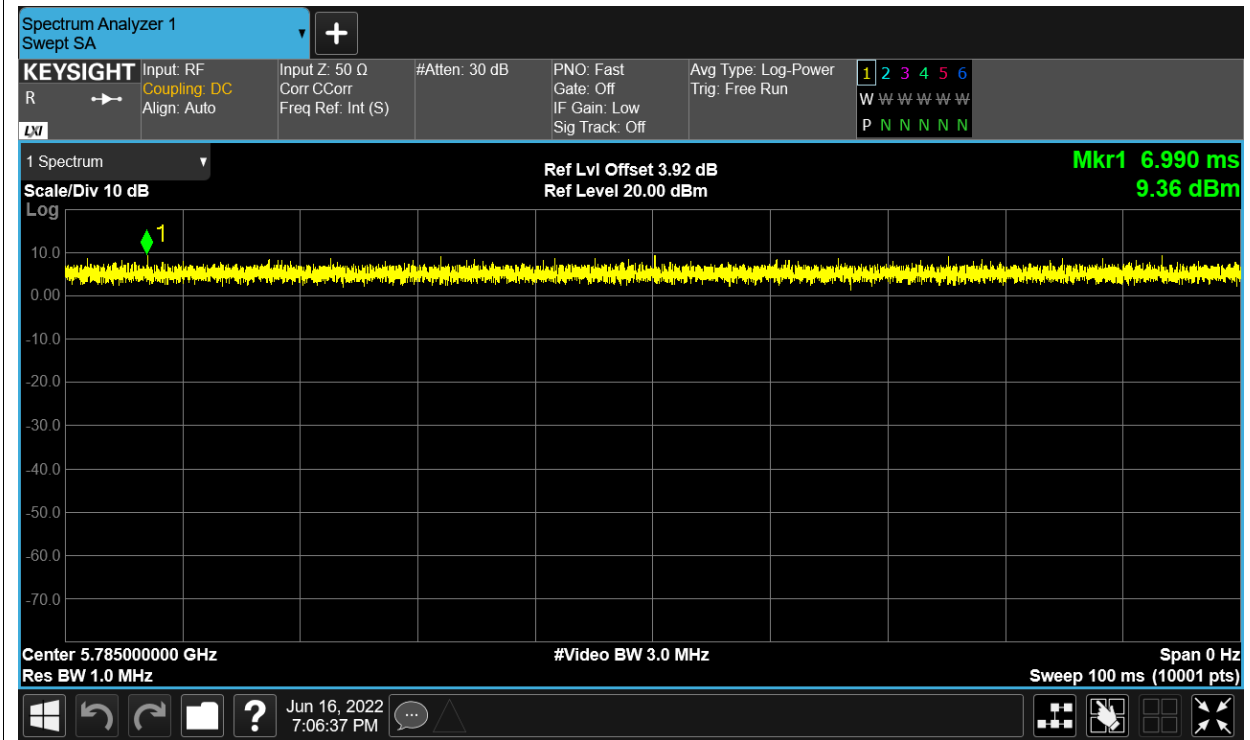
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5745	Ant1	100	0
NVNT	a	5785	Ant1	100	0
NVNT	a	5825	Ant1	100	0
NVNT	ac20	5745	Ant1	100	0
NVNT	ac20	5785	Ant1	100	0
NVNT	ac20	5825	Ant1	100	0
NVNT	ac40	5755	Ant1	100	0
NVNT	ac40	5795	Ant1	100	0
NVNT	ac80	5775	Ant1	100	0
NVNT	n20	5745	Ant1	100	0
NVNT	n20	5785	Ant1	100	0
NVNT	n20	5825	Ant1	100	0
NVNT	n40	5755	Ant1	100	0
NVNT	n40	5795	Ant1	100	0

Test Graphs

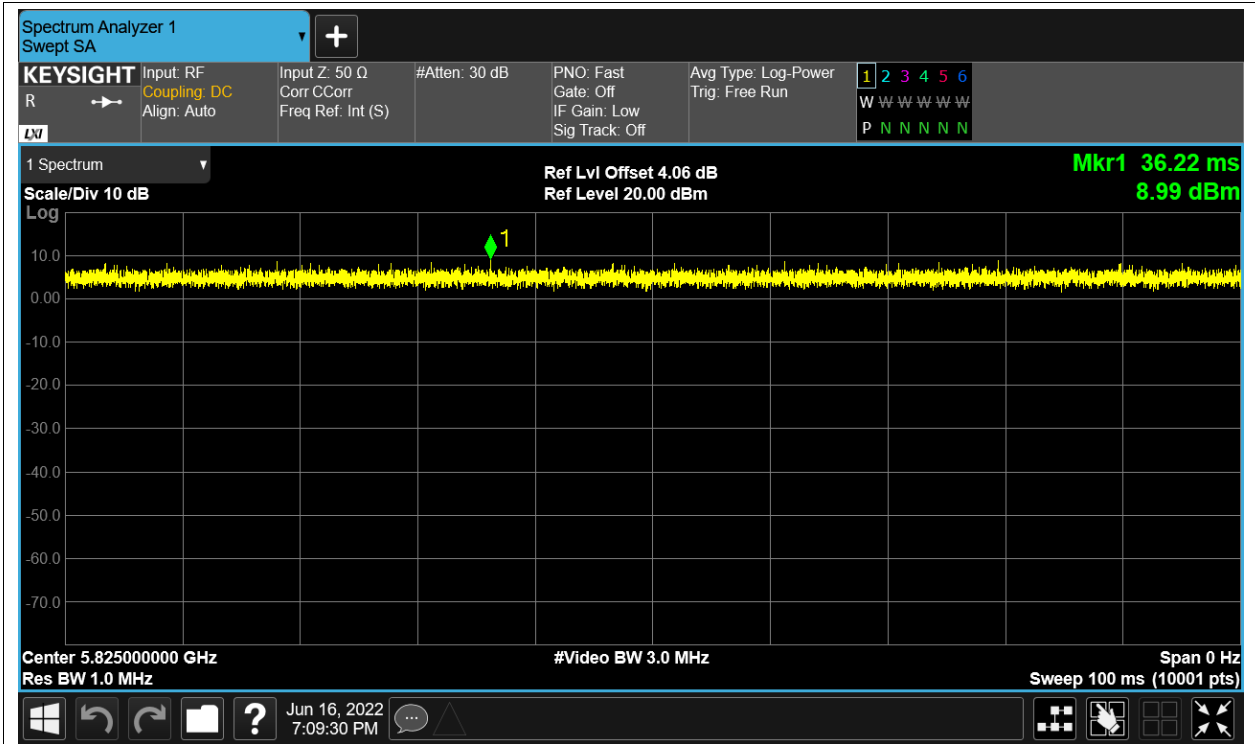
Duty Cycle NVNT a 5745MHz Ant1



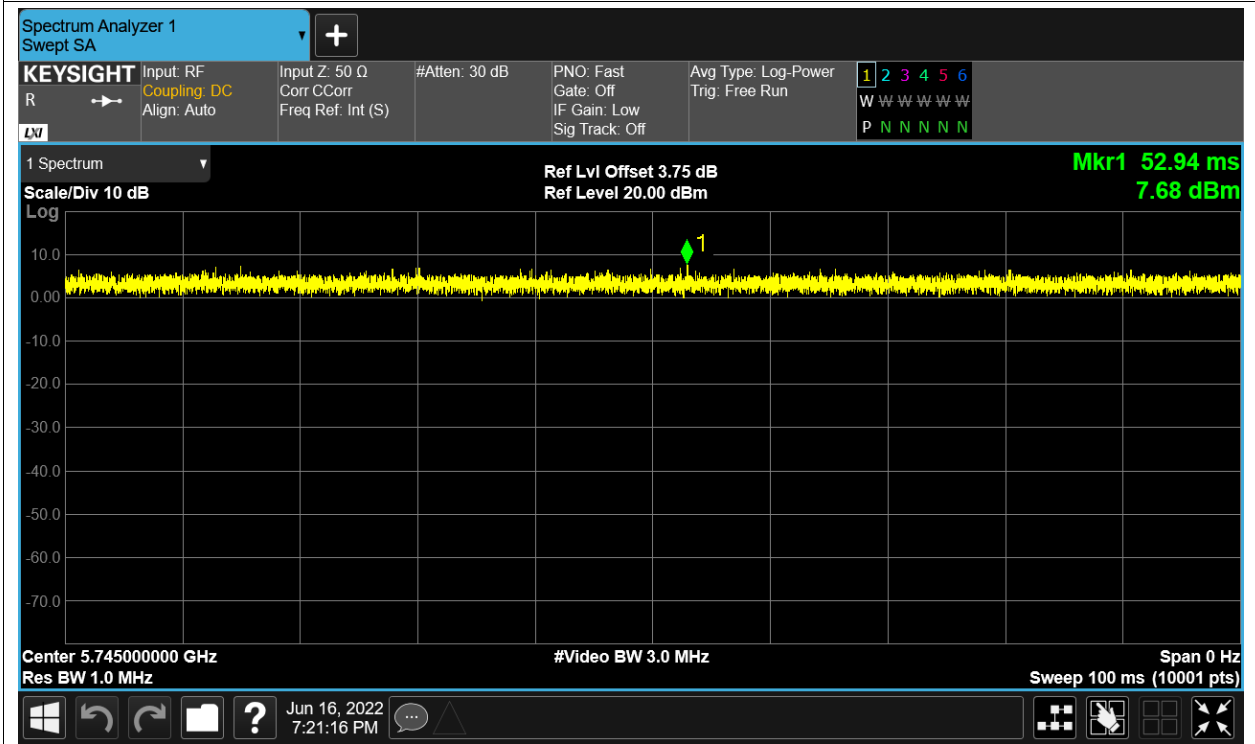
Duty Cycle NVNT a 5785MHz Ant1



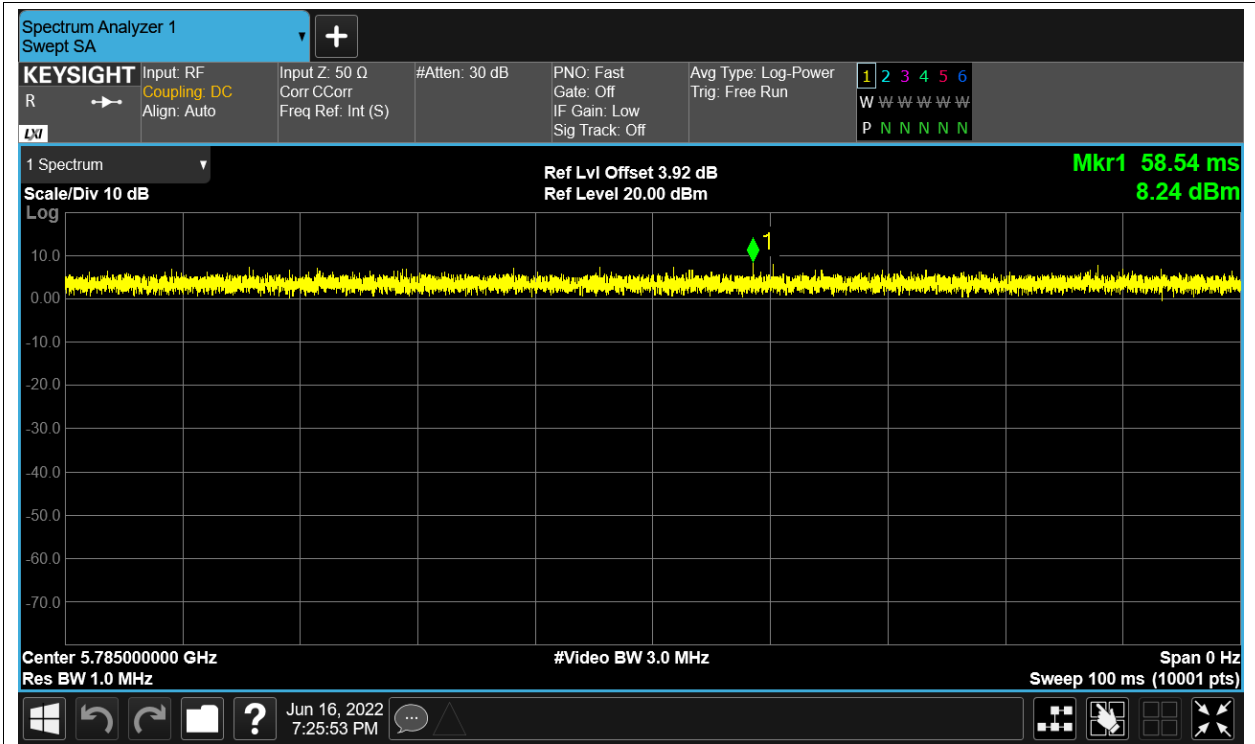
Duty Cycle NVNT a 5825MHz Ant1



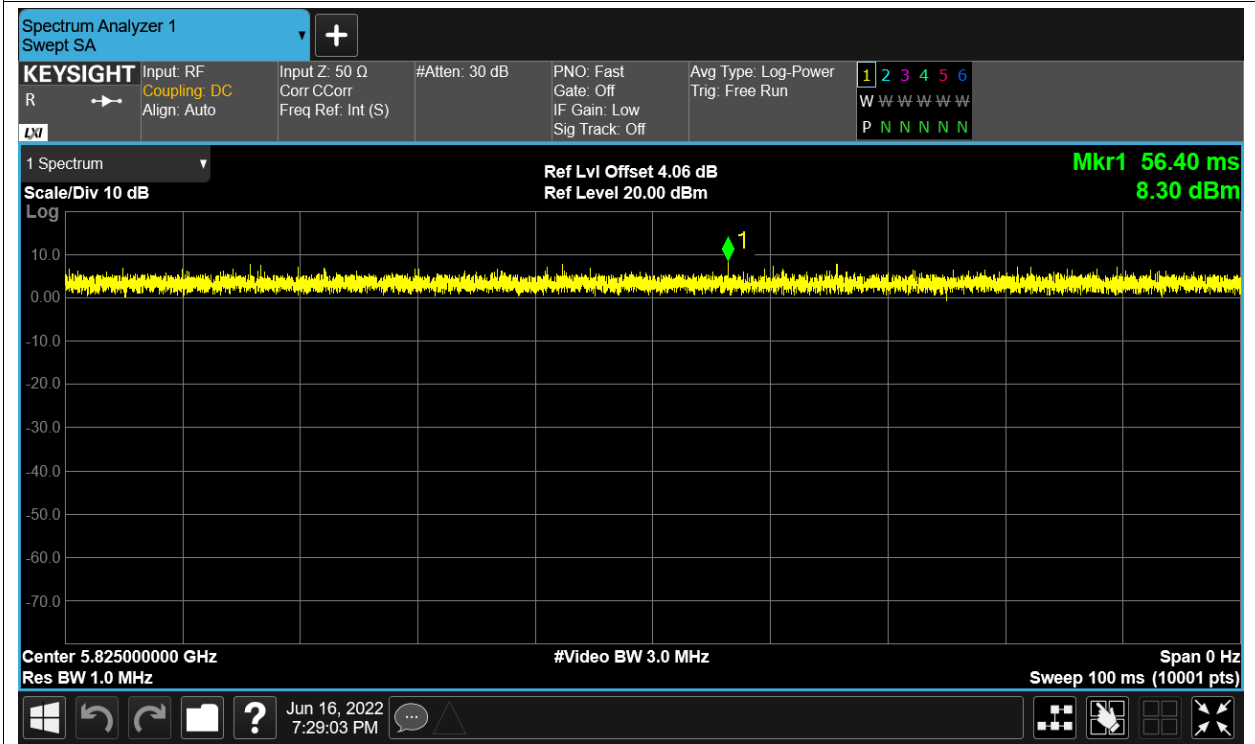
Duty Cycle NVNT ac20 5745MHz Ant1



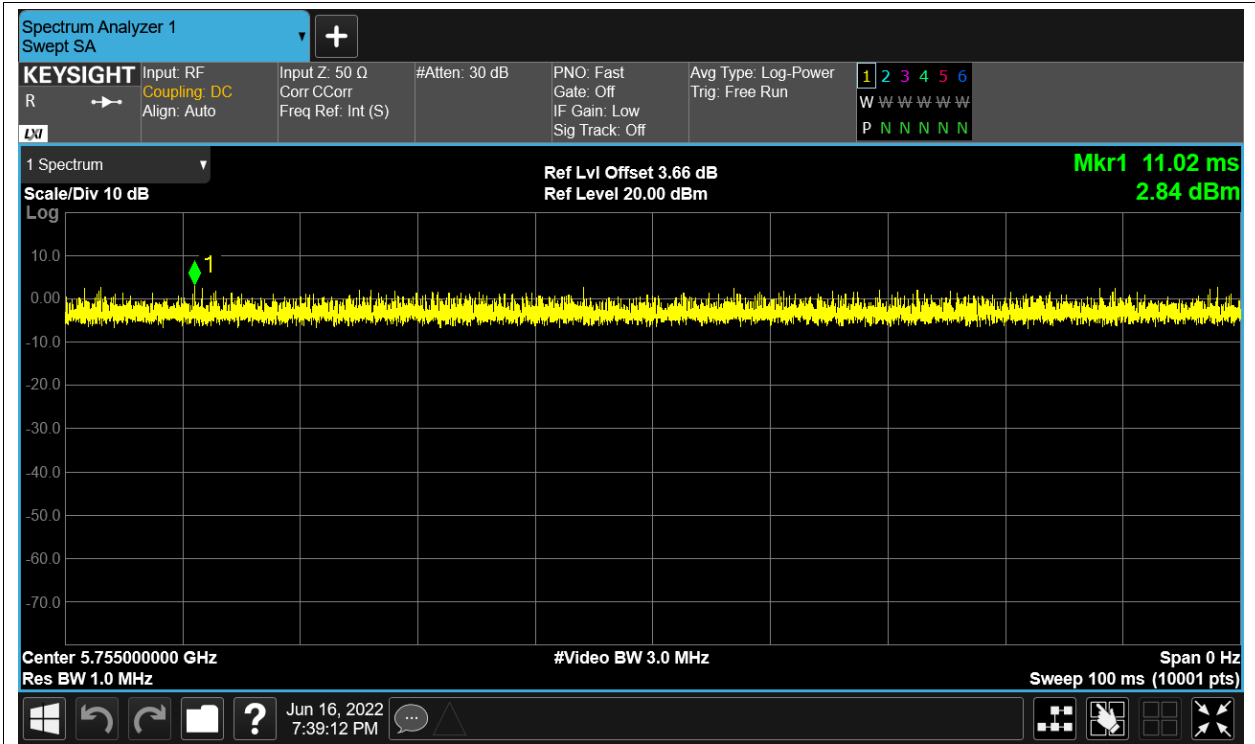
Duty Cycle NVNT ac20 5785MHz Ant1



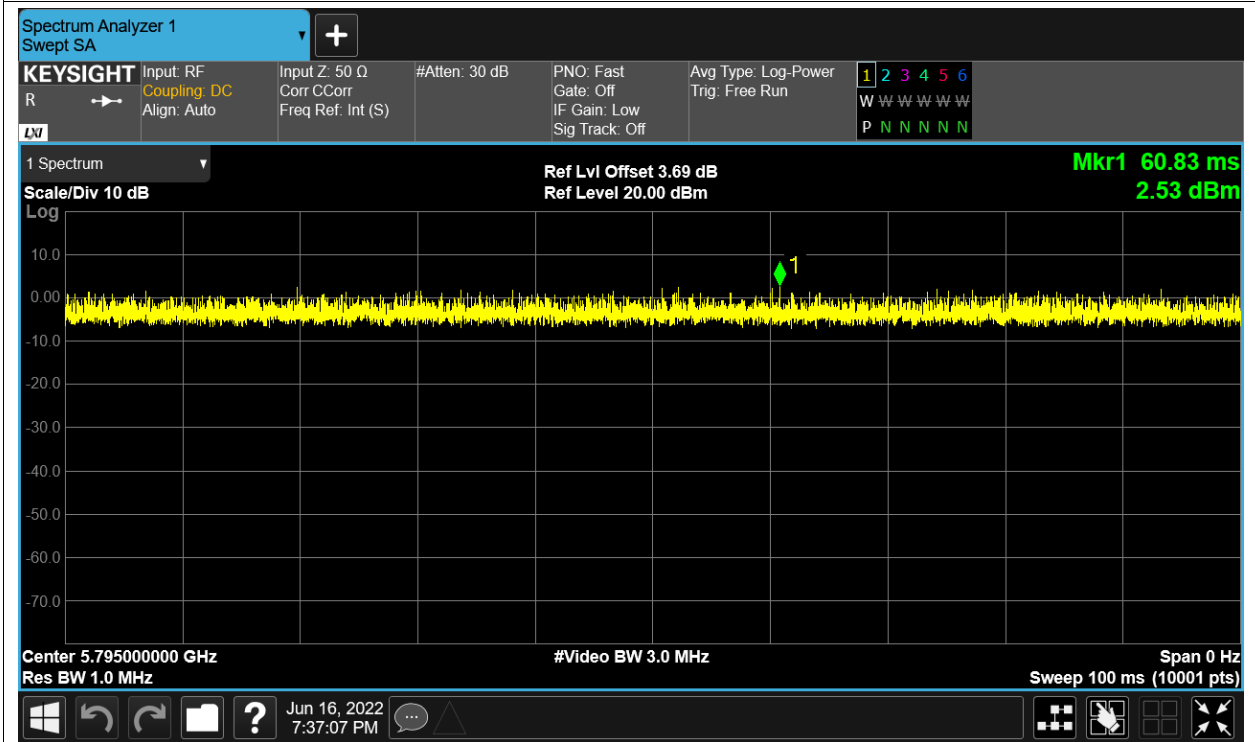
Duty Cycle NVNT ac20 5825MHz Ant1



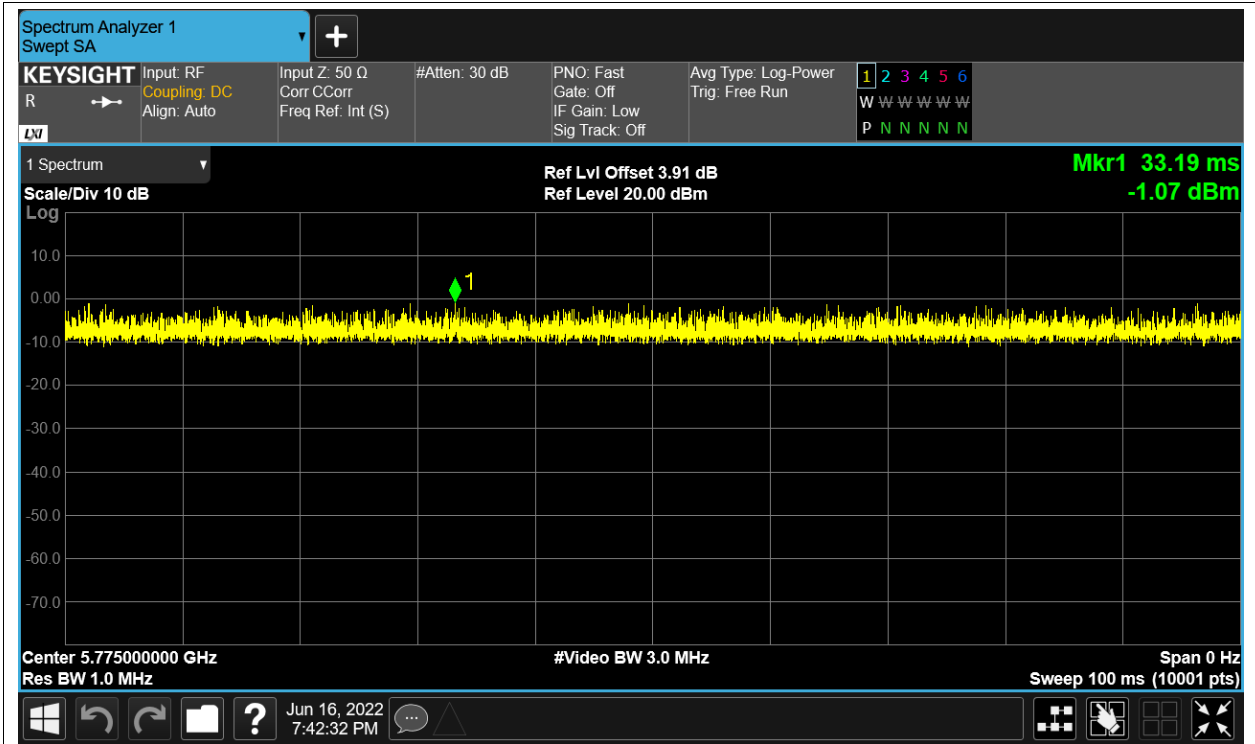
Duty Cycle NVNT ac40 5755MHz Ant1



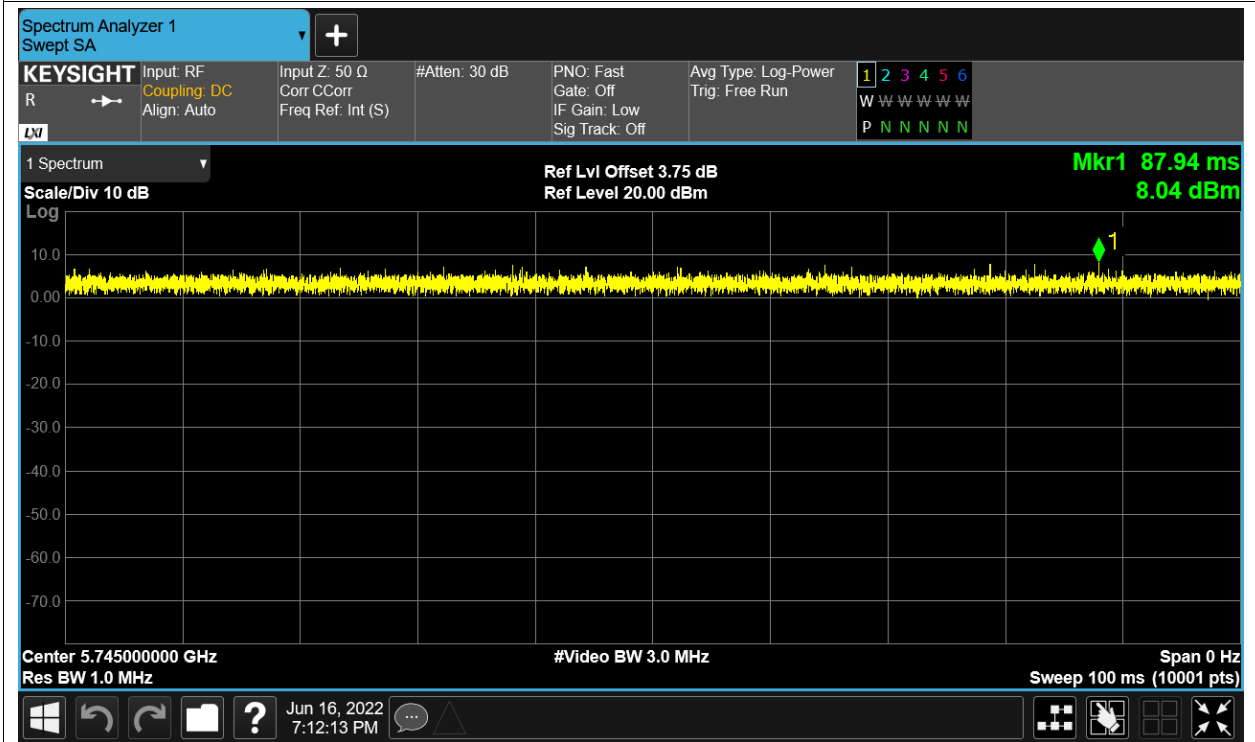
Duty Cycle NVNT ac40 5795MHz Ant1



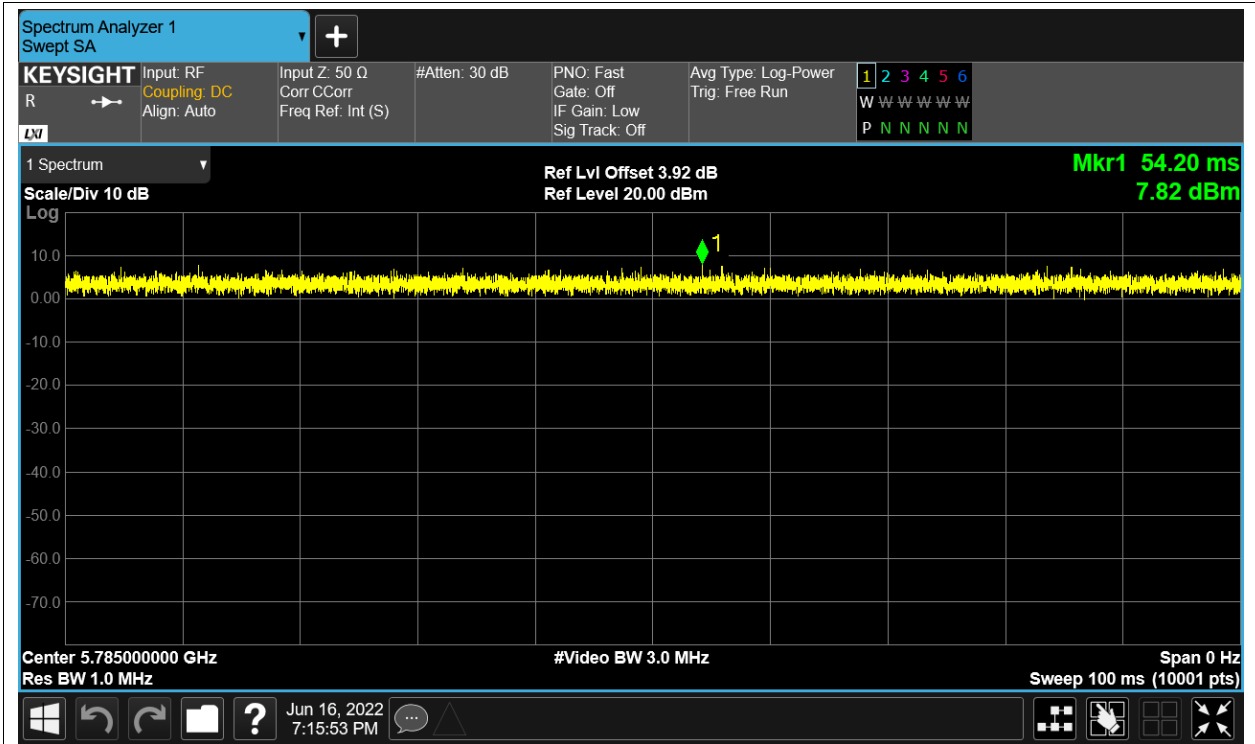
Duty Cycle NVNT ac80 5775MHz Ant1



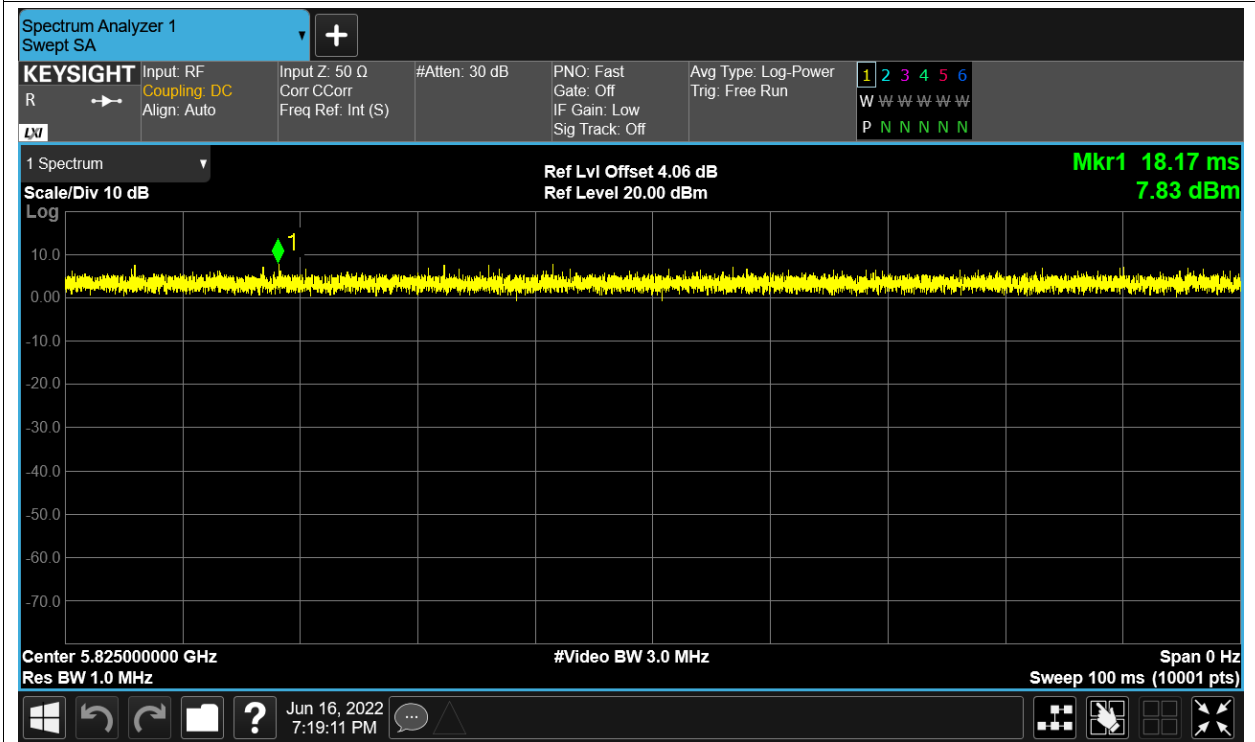
Duty Cycle NVNT n20 5745MHz Ant1



Duty Cycle NVNT n20 5785MHz Ant1

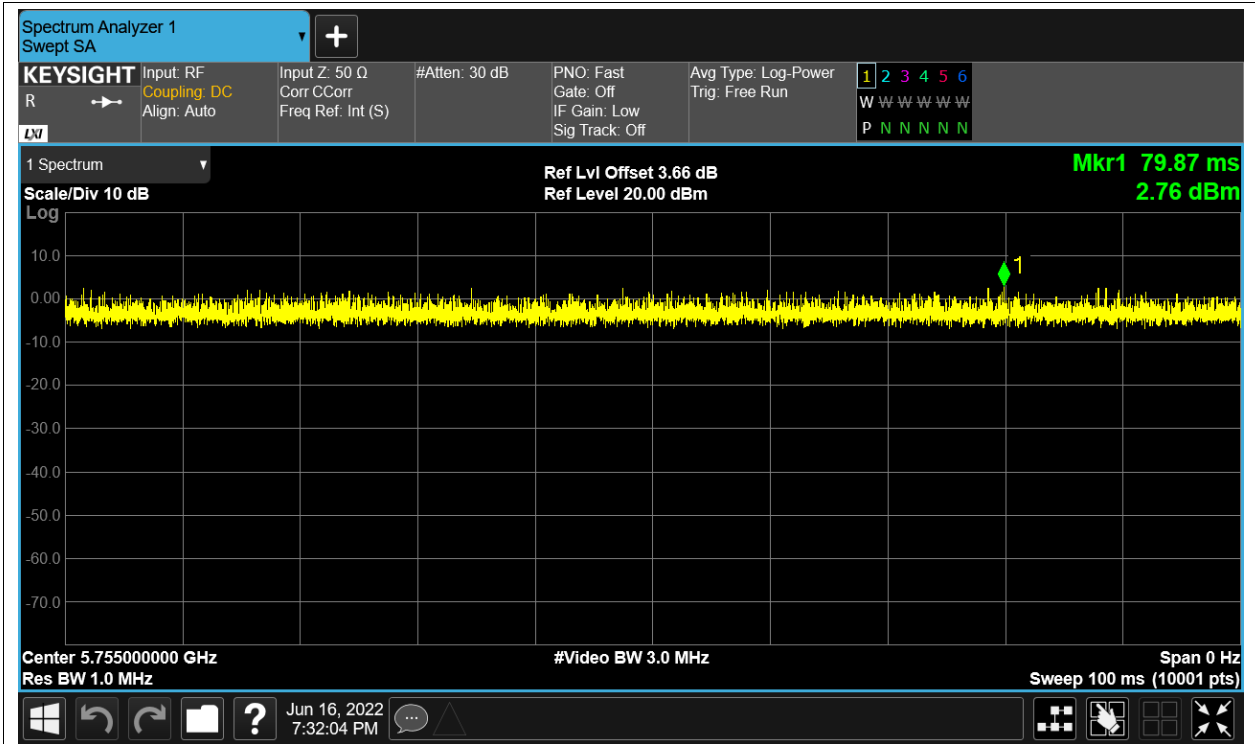


Duty Cycle NVNT n20 5825MHz Ant1

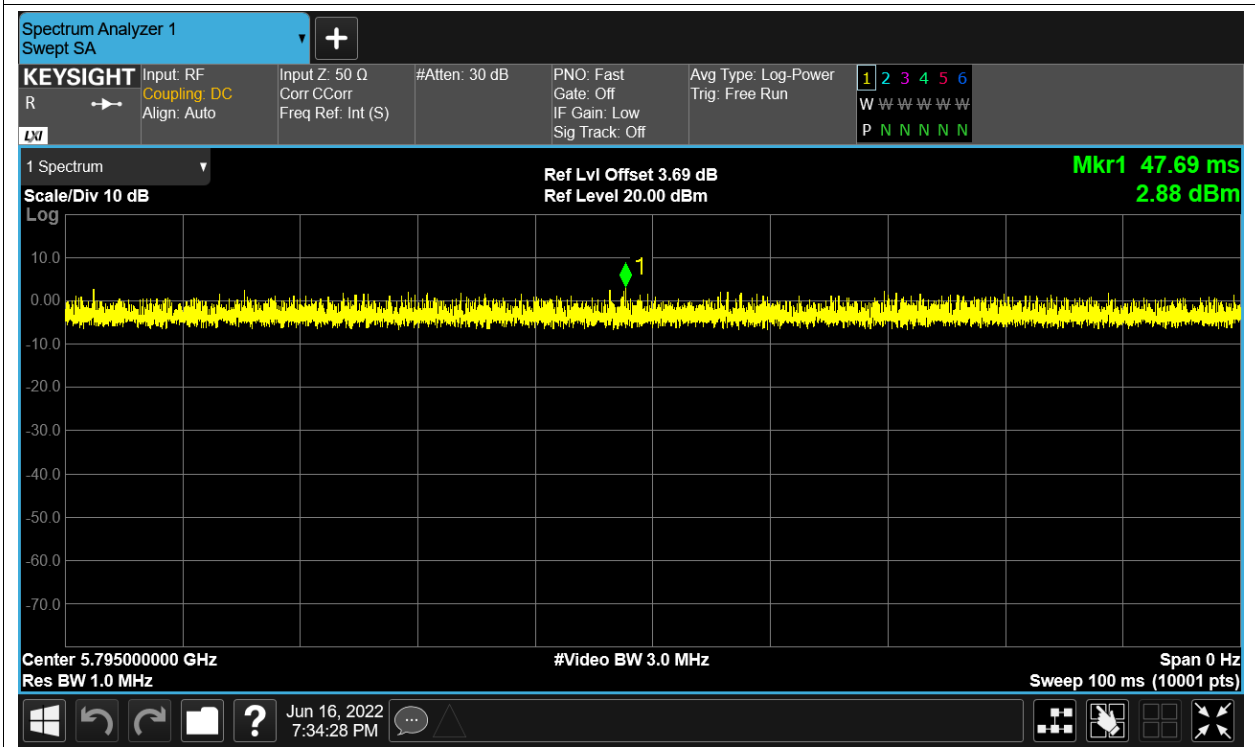


Duty Cycle NVNT n40 5755MHz Ant1





Duty Cycle NVNT n40 5795MHz Ant1



## Maximum Conducted Output Power

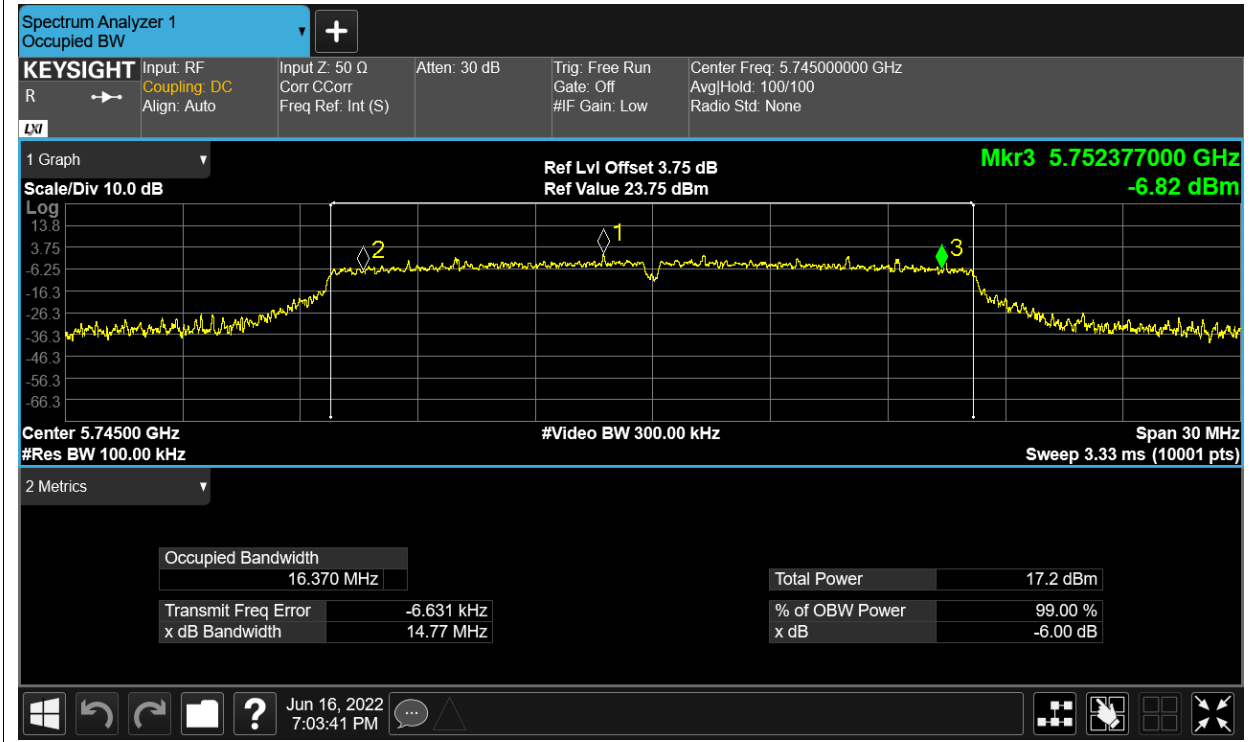
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	15.78	0	15.78	30	Pass
NVNT	a	5785	Ant1	16.24	0	16.24	30	Pass
NVNT	a	5825	Ant1	16.23	0	16.23	30	Pass
NVNT	ac20	5745	Ant1	14.21	0	14.21	30	Pass
NVNT	ac20	5785	Ant1	14.74	0	14.74	30	Pass
NVNT	ac20	5825	Ant1	15.15	0	15.15	30	Pass
NVNT	ac40	5755	Ant1	14.43	0	14.43	30	Pass
NVNT	ac40	5795	Ant1	14.44	0	14.44	30	Pass
NVNT	ac80	5775	Ant1	13.54	0	13.54	30	Pass
NVNT	n20	5745	Ant1	14.2	0	14.2	30	Pass
NVNT	n20	5785	Ant1	14.66	0	14.66	30	Pass
NVNT	n20	5825	Ant1	14.66	0	14.66	30	Pass
NVNT	n40	5755	Ant1	14.41	0	14.41	30	Pass
NVNT	n40	5795	Ant1	14.68	0	14.68	30	Pass

## -6dB Bandwidth

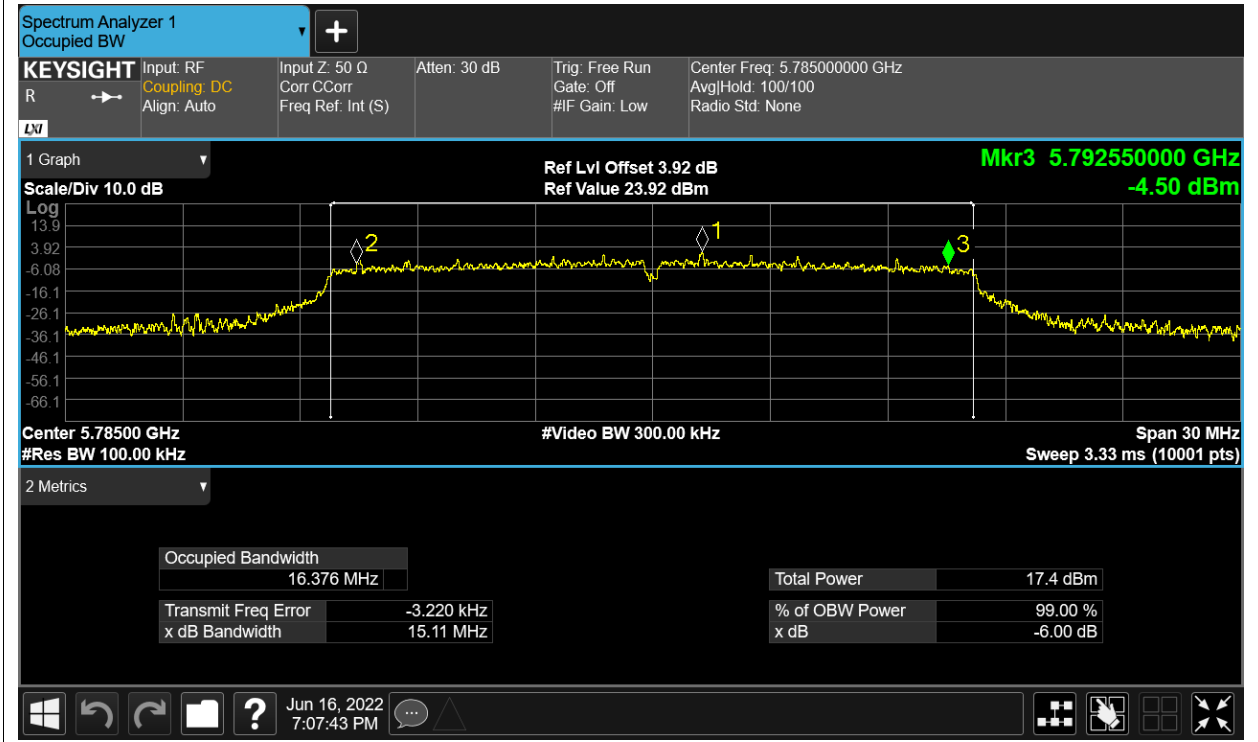
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	limit	Verdic
NVNT	a	5745	Ant1	14.767	0.5	Pass
NVNT	a	5785	Ant1	15.107	0.5	Pass
NVNT	a	5825	Ant1	15.105	0.5	Pass
NVNT	ac20	5745	Ant1	15.098	0.5	Pass
NVNT	ac20	5785	Ant1	15.103	0.5	Pass
NVNT	ac20	5825	Ant1	15.103	0.5	Pass
NVNT	ac40	5755	Ant1	35.078	0.5	Pass
NVNT	ac40	5795	Ant1	36.297	0.5	Pass
NVNT	ac80	5775	Ant1	73.863	0.5	Pass
NVNT	n20	5745	Ant1	15.053	0.5	Pass
NVNT	n20	5785	Ant1	15.07	0.5	Pass
NVNT	n20	5825	Ant1	17.051	0.5	Pass
NVNT	n40	5755	Ant1	35.045	0.5	Pass
NVNT	n40	5795	Ant1	34.984	0.5	Pass

Test Graphs

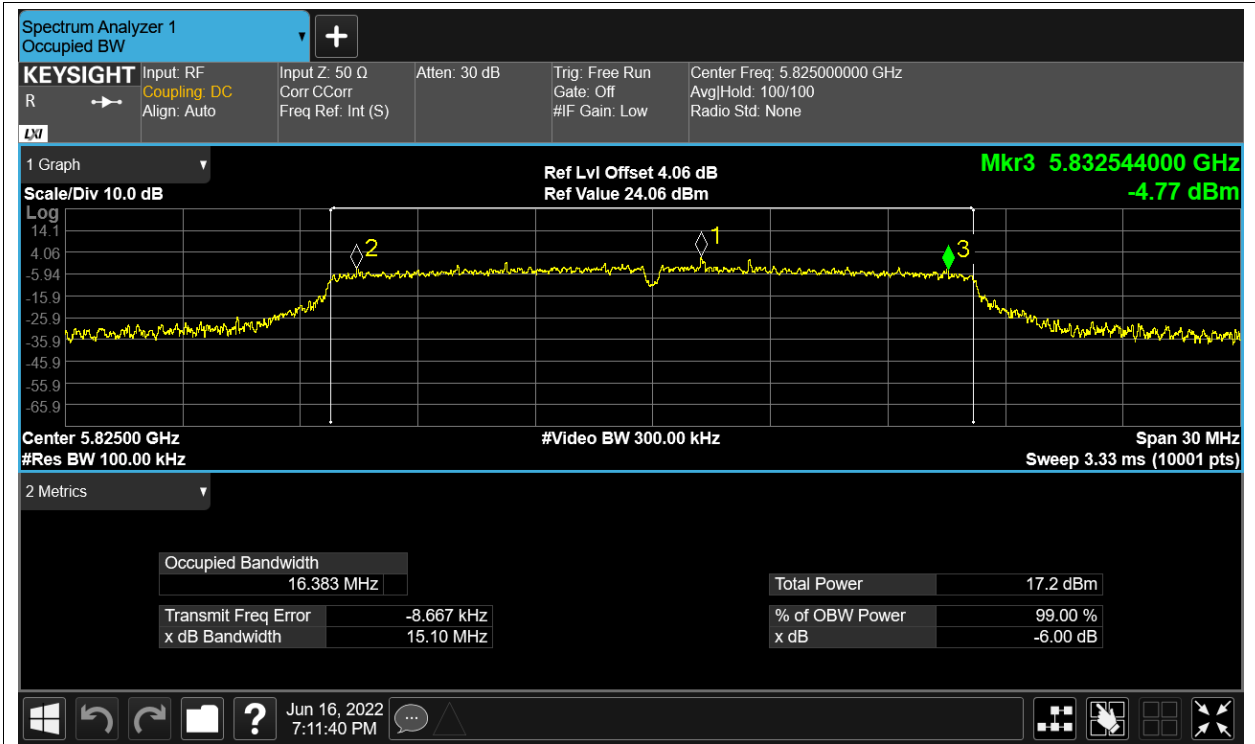
-6dB Bandwidth NVNT a 5745MHz Ant1



-6dB Bandwidth NVNT a 5785MHz Ant1



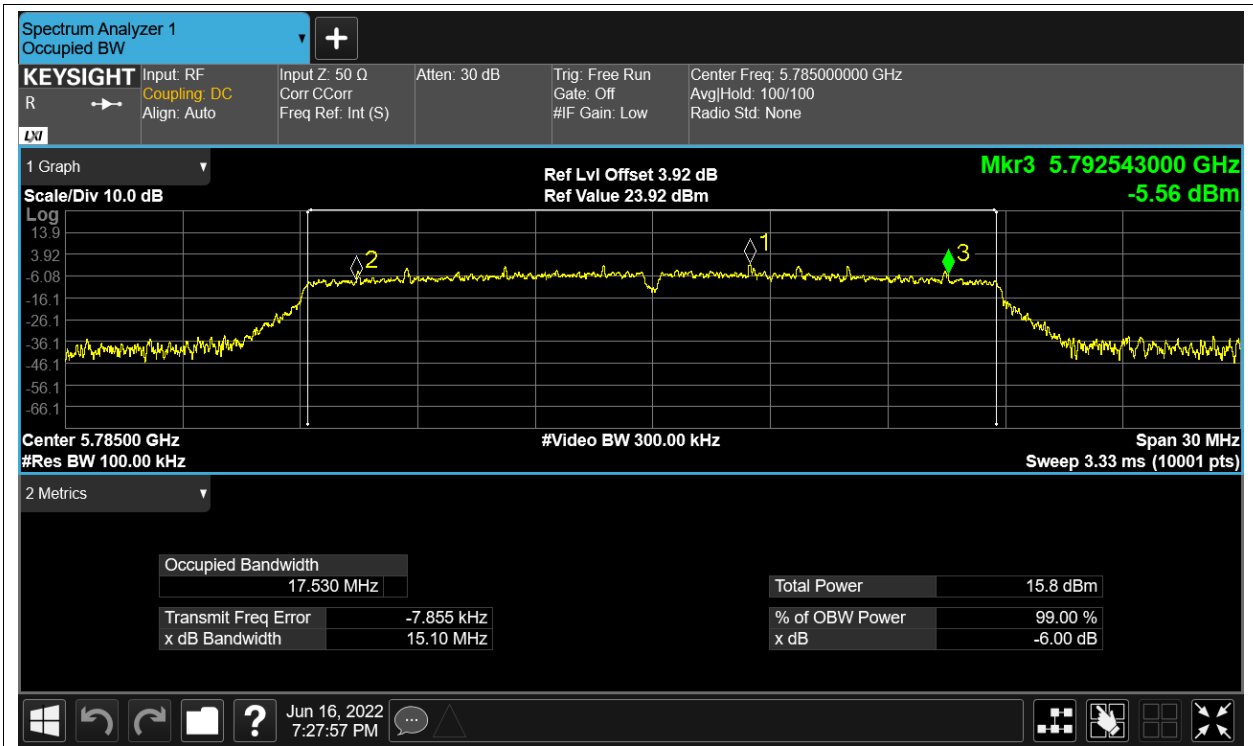
-6dB Bandwidth NVNT a 5825MHz Ant1



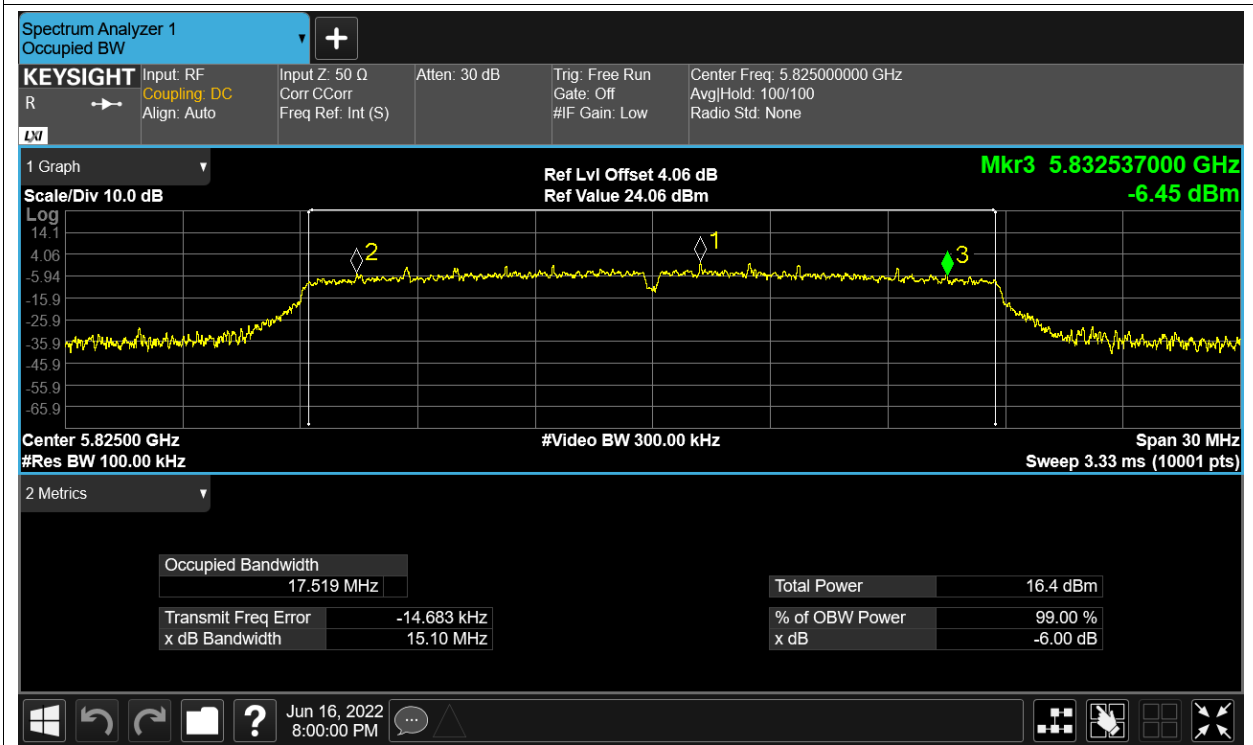
-6dB Bandwidth NVNT ac20 5745MHz Ant1



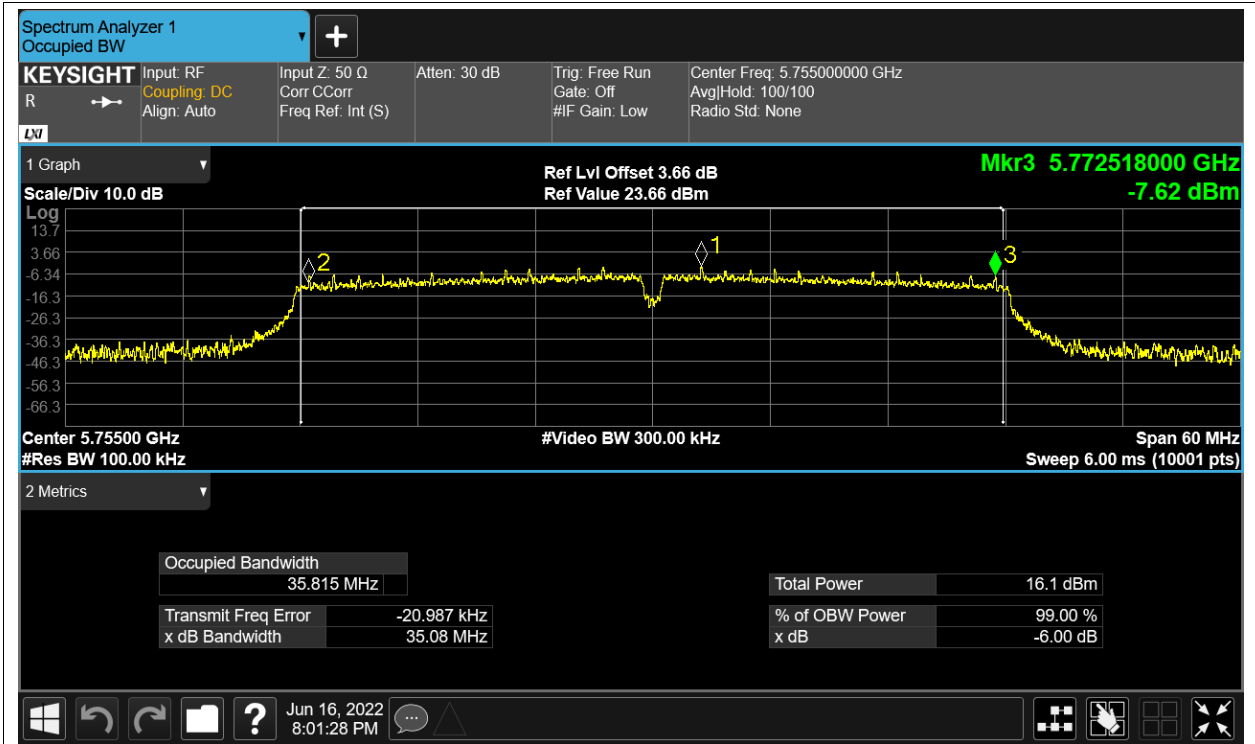
-6dB Bandwidth NVNT ac20 5785MHz Ant1



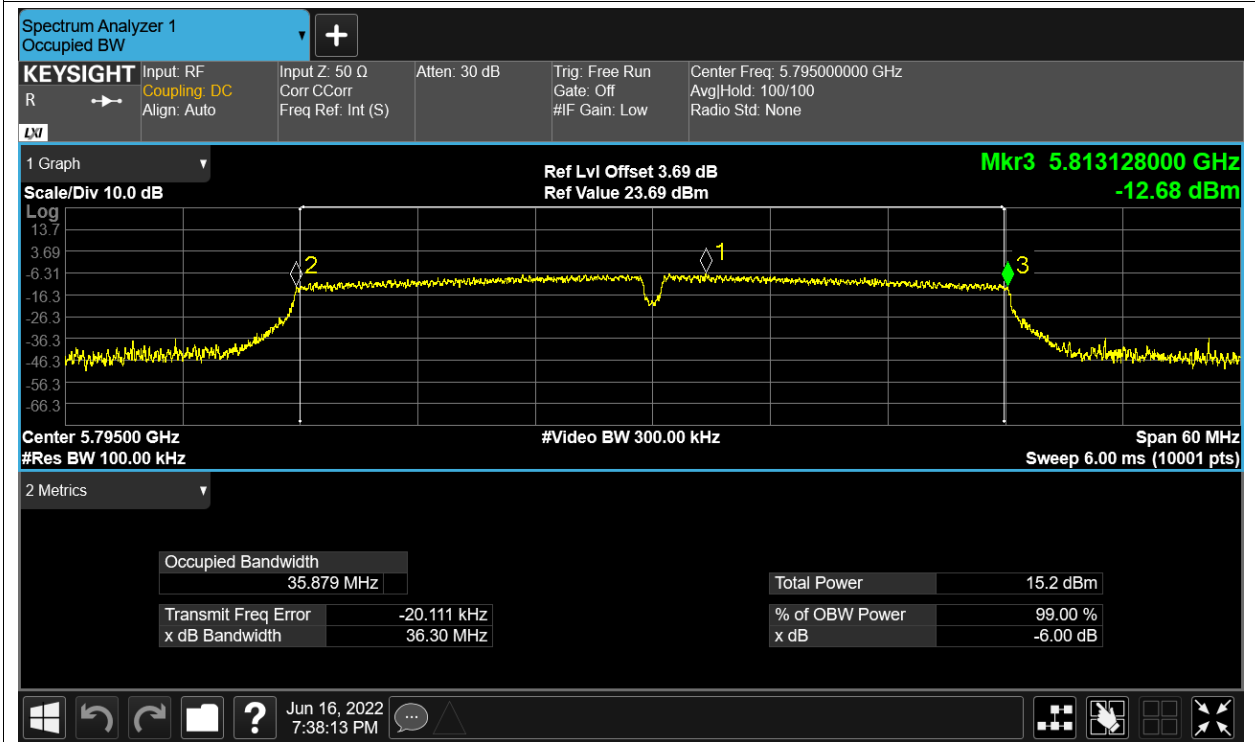
-6dB Bandwidth NVNT ac20 5825MHz Ant1



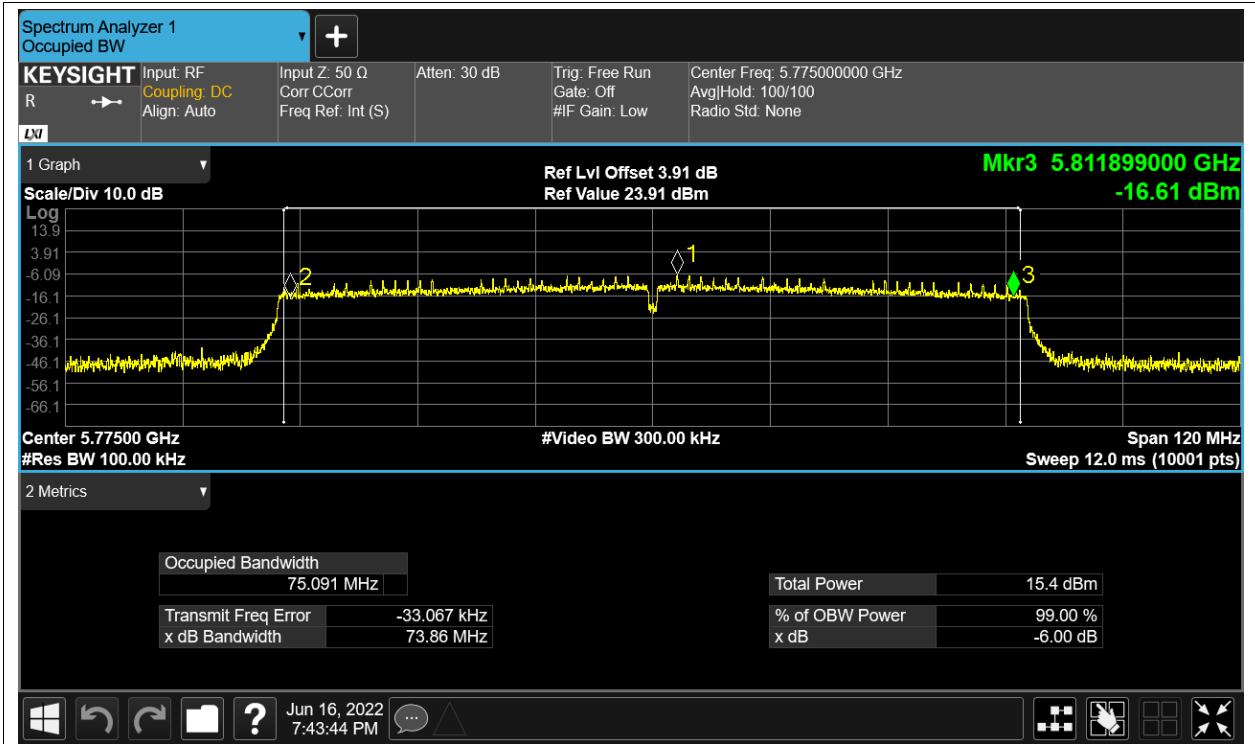
-6dB Bandwidth NVNT ac40 5755MHz Ant1



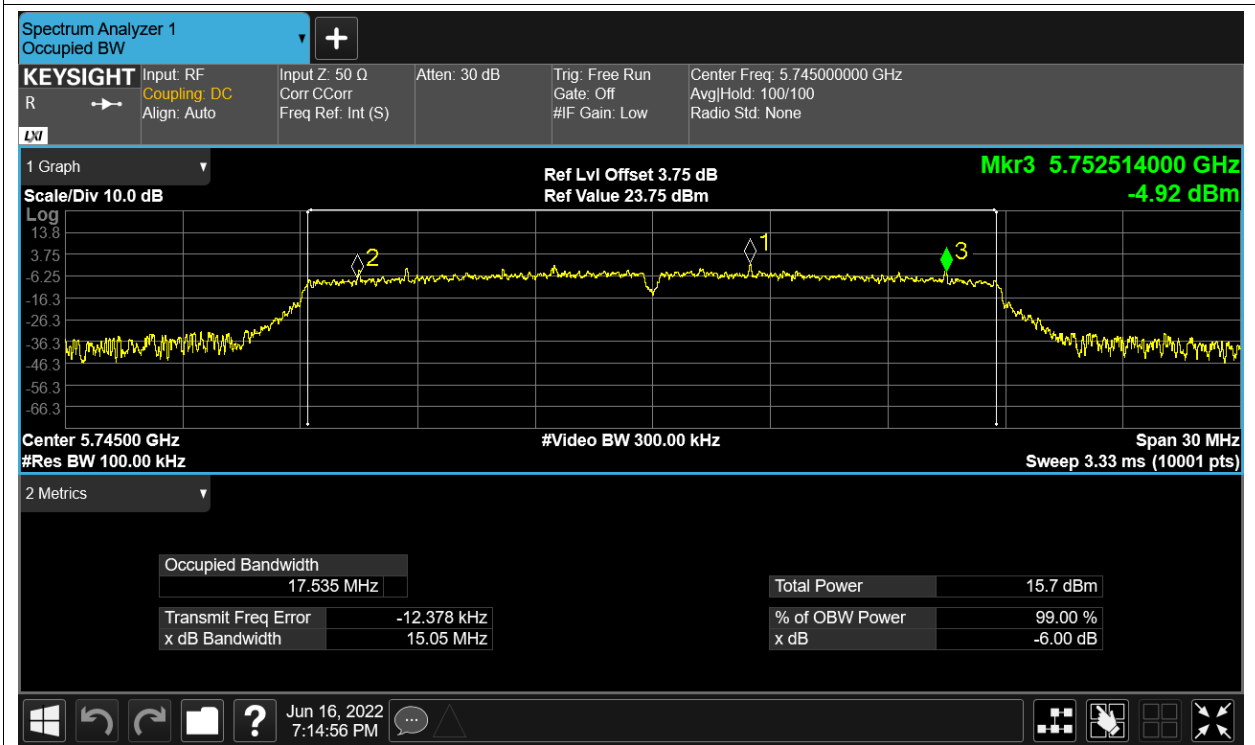
-6dB Bandwidth NVNT ac40 5795MHz Ant1



-6dB Bandwidth NVNT ac80 5775MHz Ant1

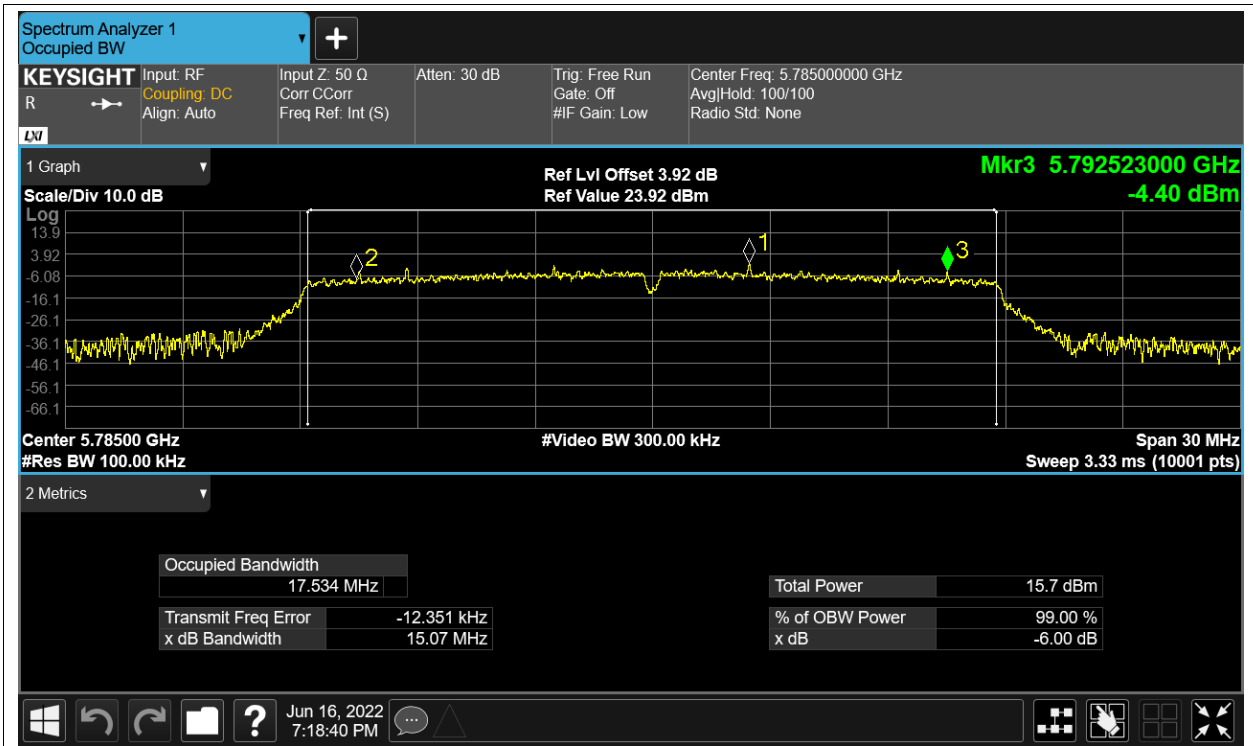


-6dB Bandwidth NVNT n20 5745MHz Ant1

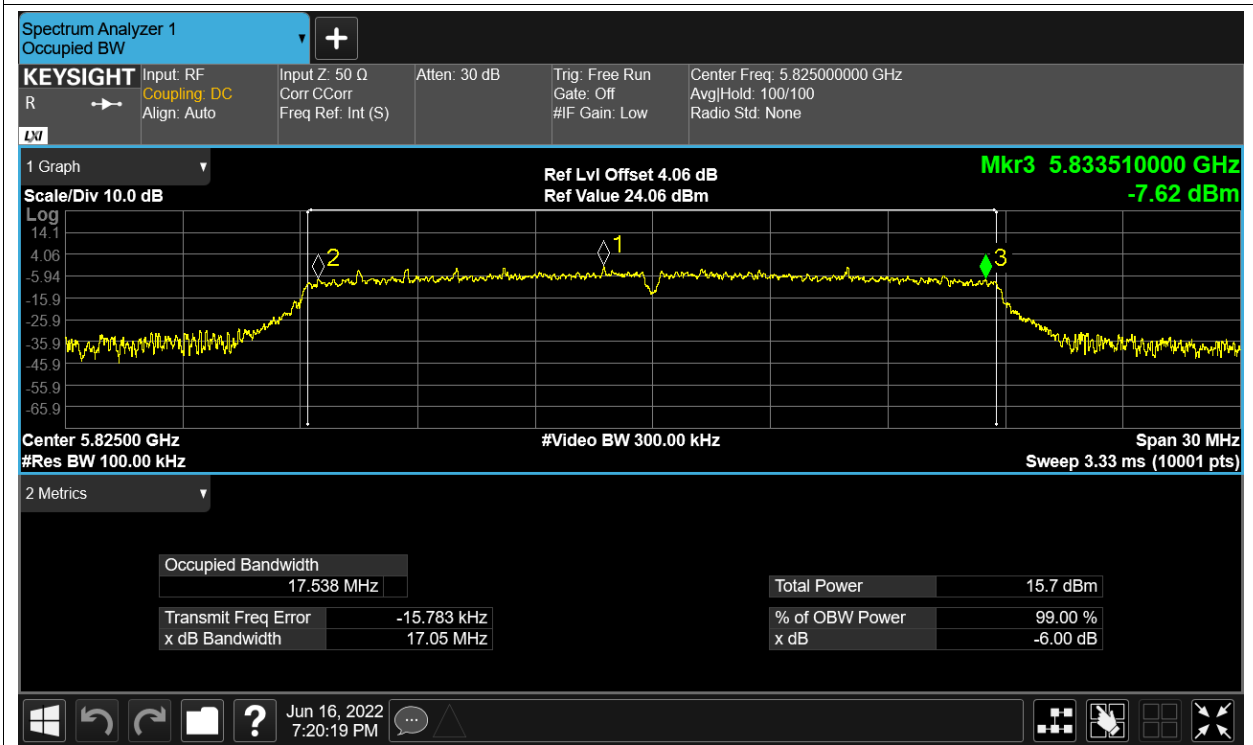


-6dB Bandwidth NVNT n20 5785MHz Ant1

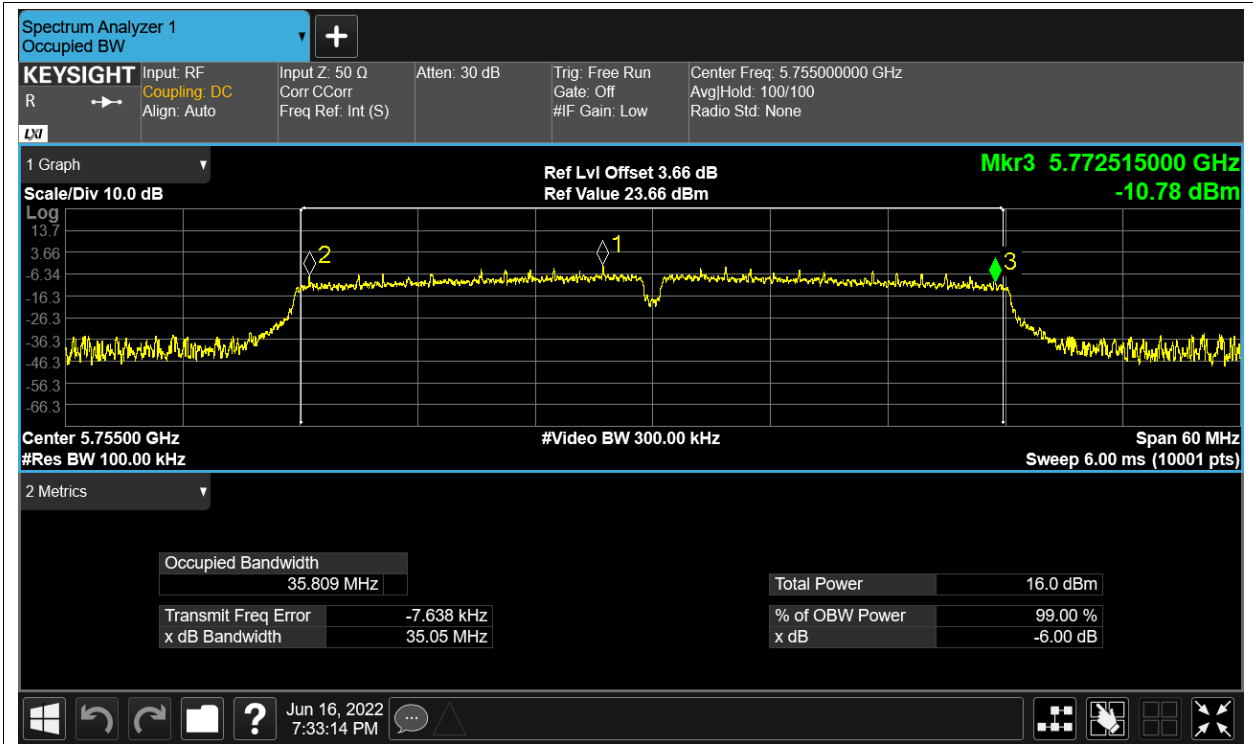




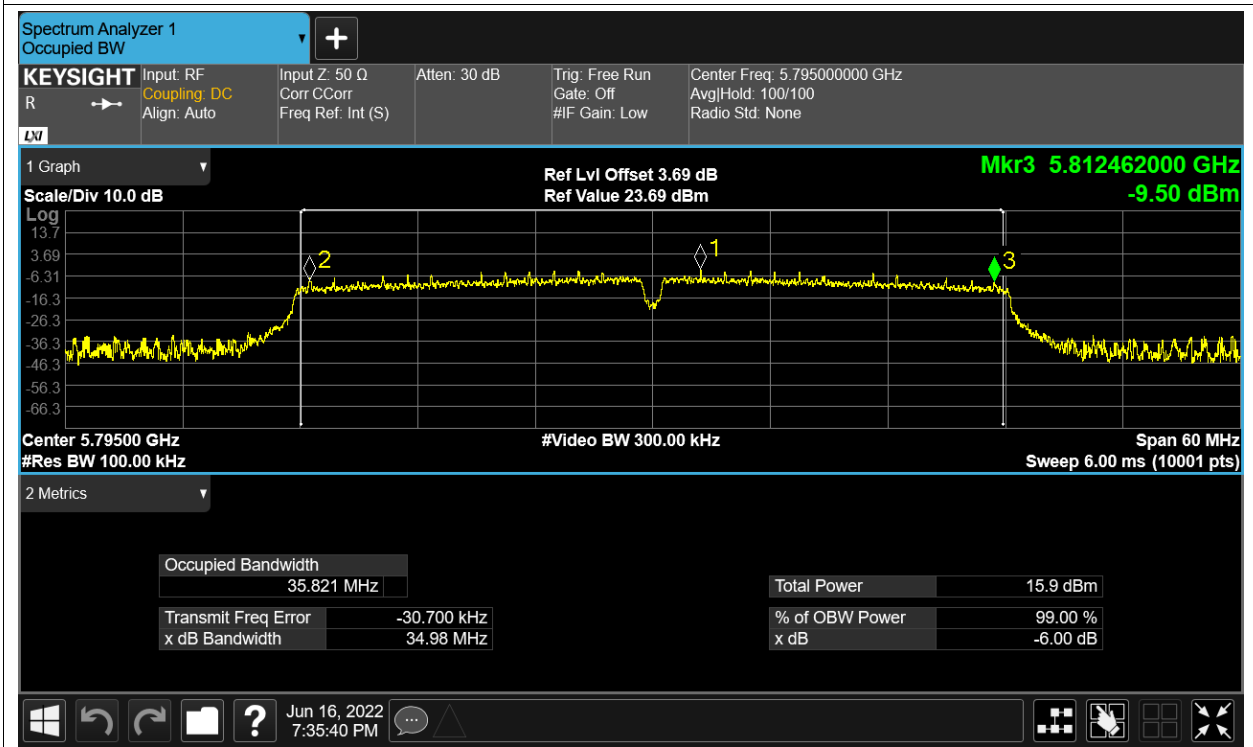
-6dB Bandwidth NVNT n20 5825MHz Ant1



-6dB Bandwidth NVNT n40 5755MHz Ant1



-6dB Bandwidth NVNT n40 5795MHz Ant1

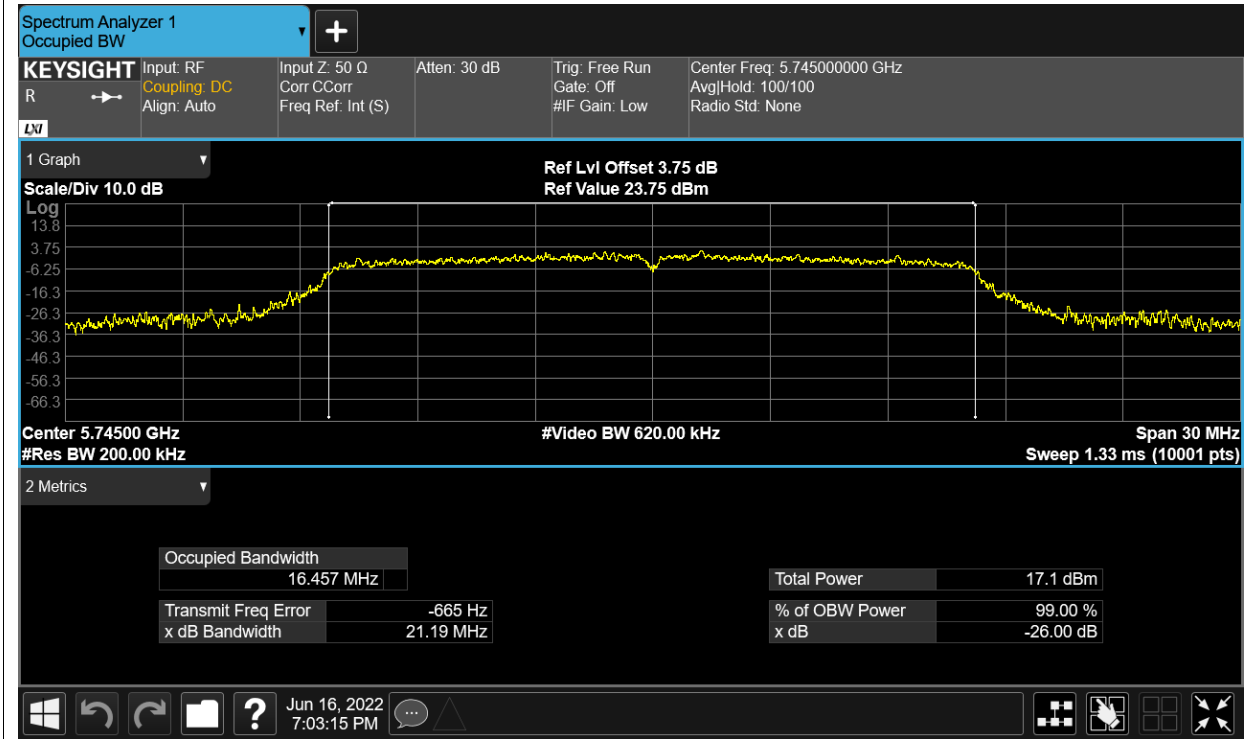


## Occupied Channel Bandwidth

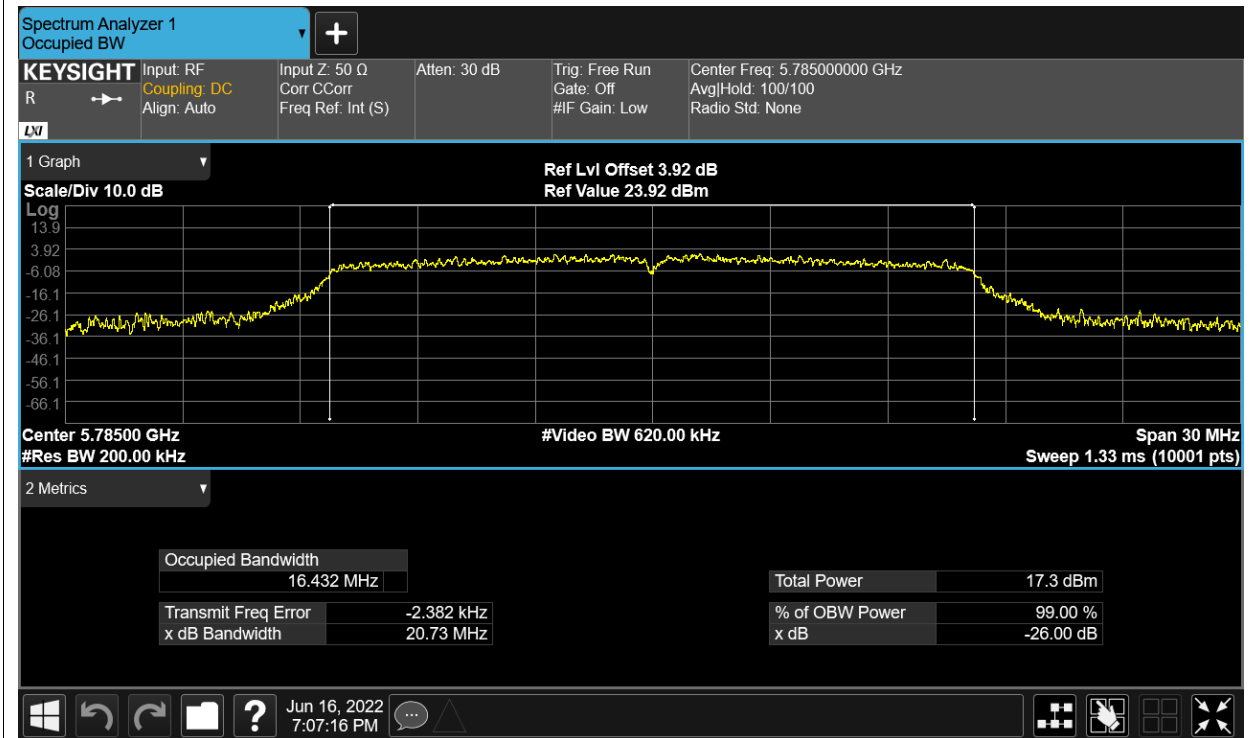
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.4570617
NVNT	a	5785	Ant1	16.43222054
NVNT	a	5825	Ant1	16.46873373
NVNT	ac20	5745	Ant1	17.5513051
NVNT	ac20	5785	Ant1	17.54061872
NVNT	ac20	5825	Ant1	17.56892894
NVNT	ac40	5755	Ant1	35.91835133
NVNT	ac40	5795	Ant1	35.97975781
NVNT	ac80	5775	Ant1	75.17578836
NVNT	n20	5745	Ant1	17.58494097
NVNT	n20	5785	Ant1	17.5673162
NVNT	n20	5825	Ant1	17.56299638
NVNT	n40	5755	Ant1	36.00243381
NVNT	n40	5795	Ant1	35.9756955

Test Graphs

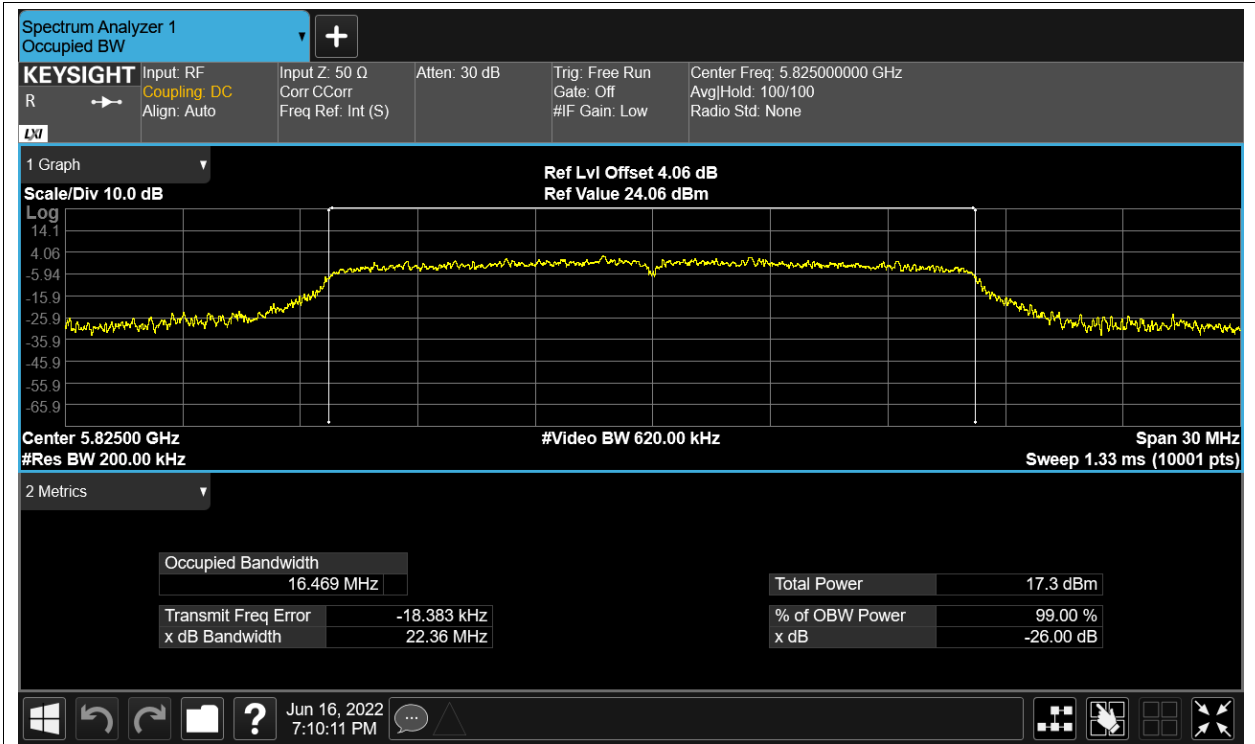
OBW NVNT a 5745MHz Ant1



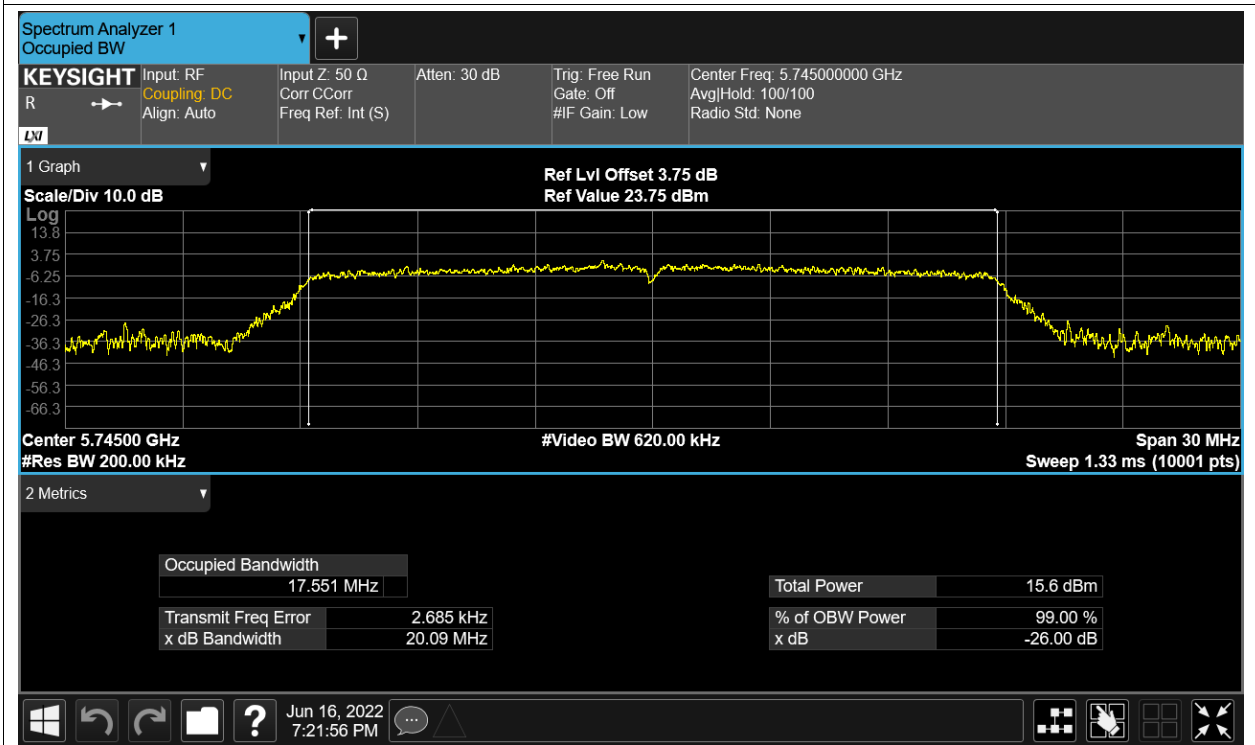
OBW NVNT a 5785MHz Ant1



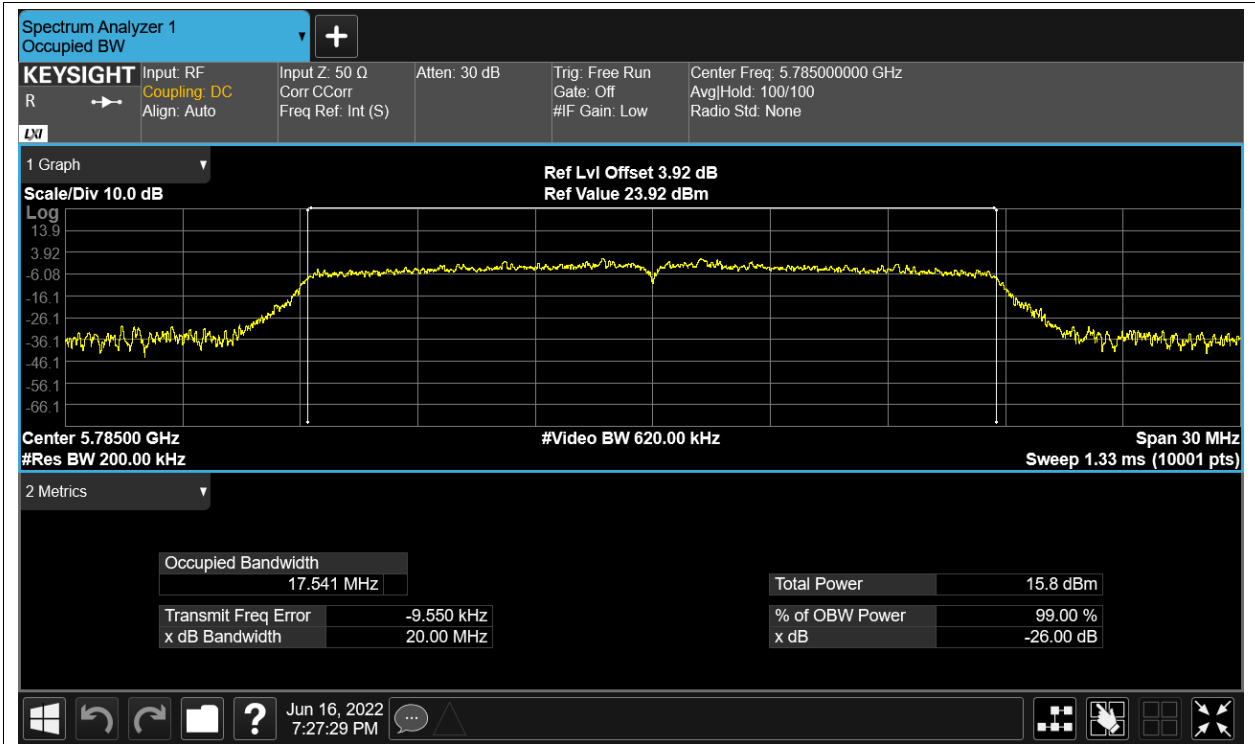
OBW NVNT a 5825MHz Ant1



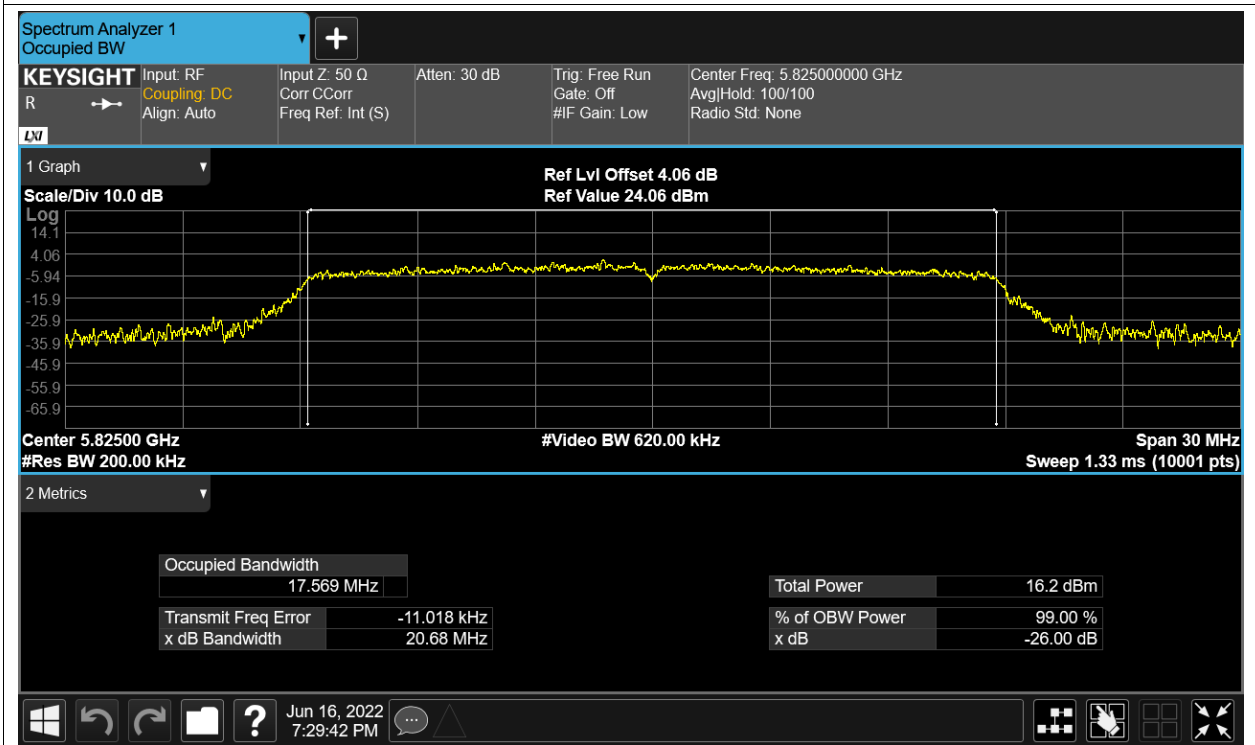
OBW NVNT ac20 5745MHz Ant1



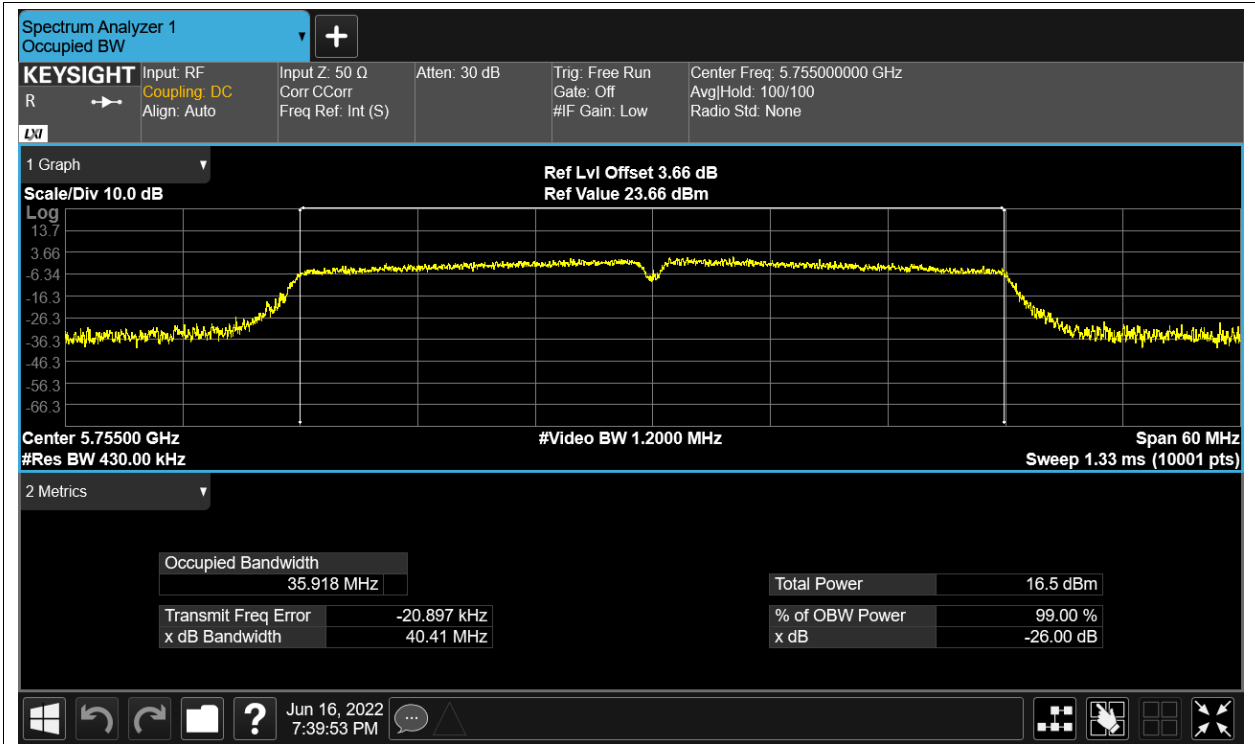
OBW NVNT ac20 5785MHz Ant1



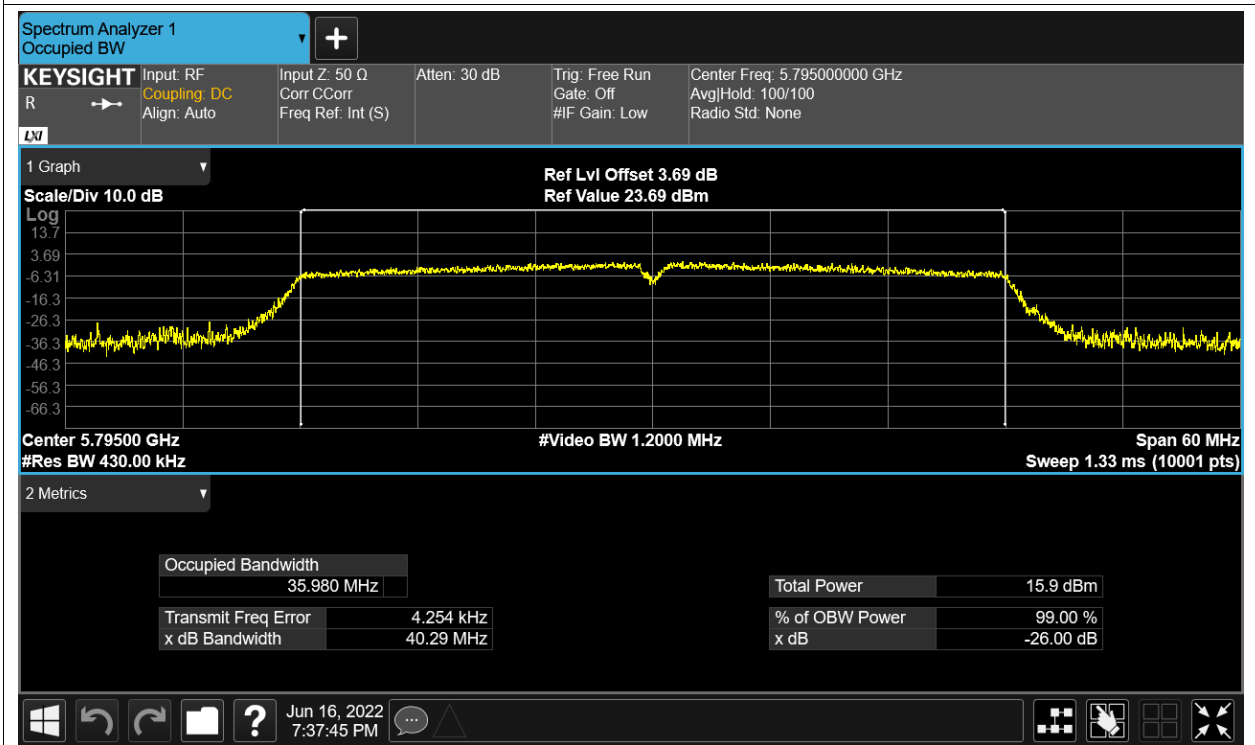
OBW NVNT ac20 5825MHz Ant1



OBW NVNT ac40 5755MHz Ant1



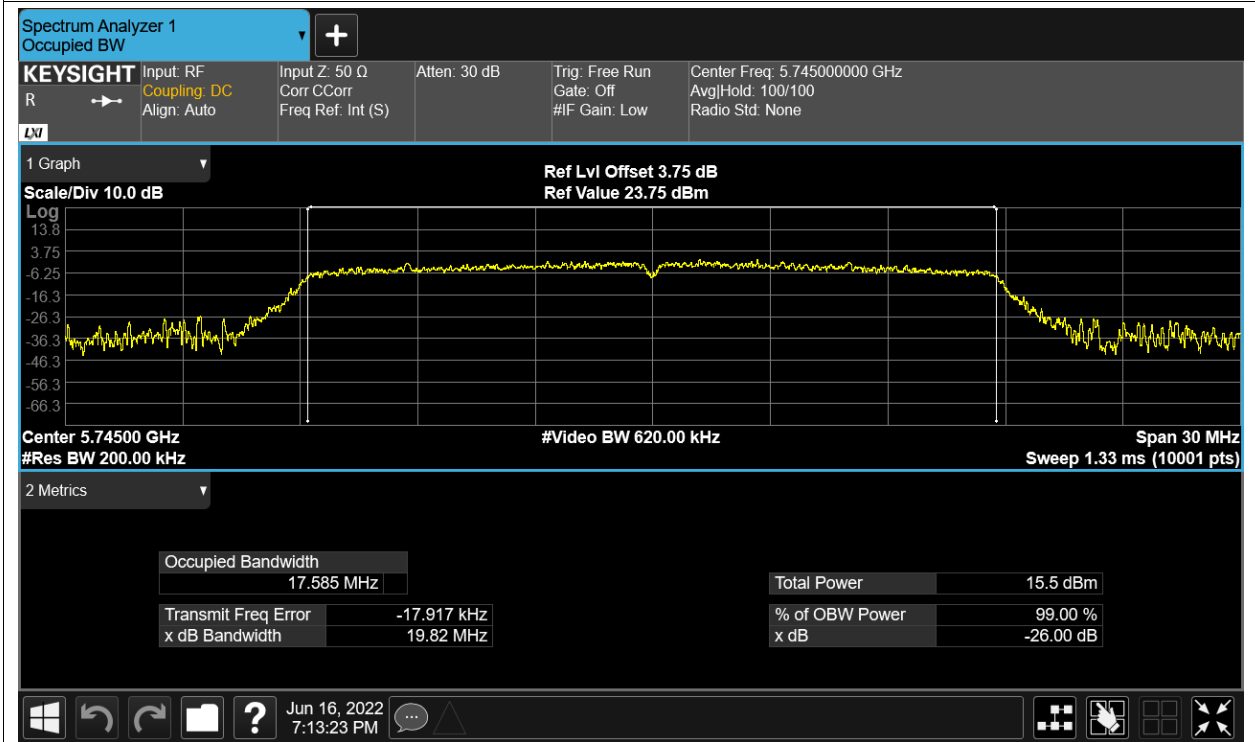
OBW NVNT ac40 5795MHz Ant1



OBW NVNT ac80 5775MHz Ant1

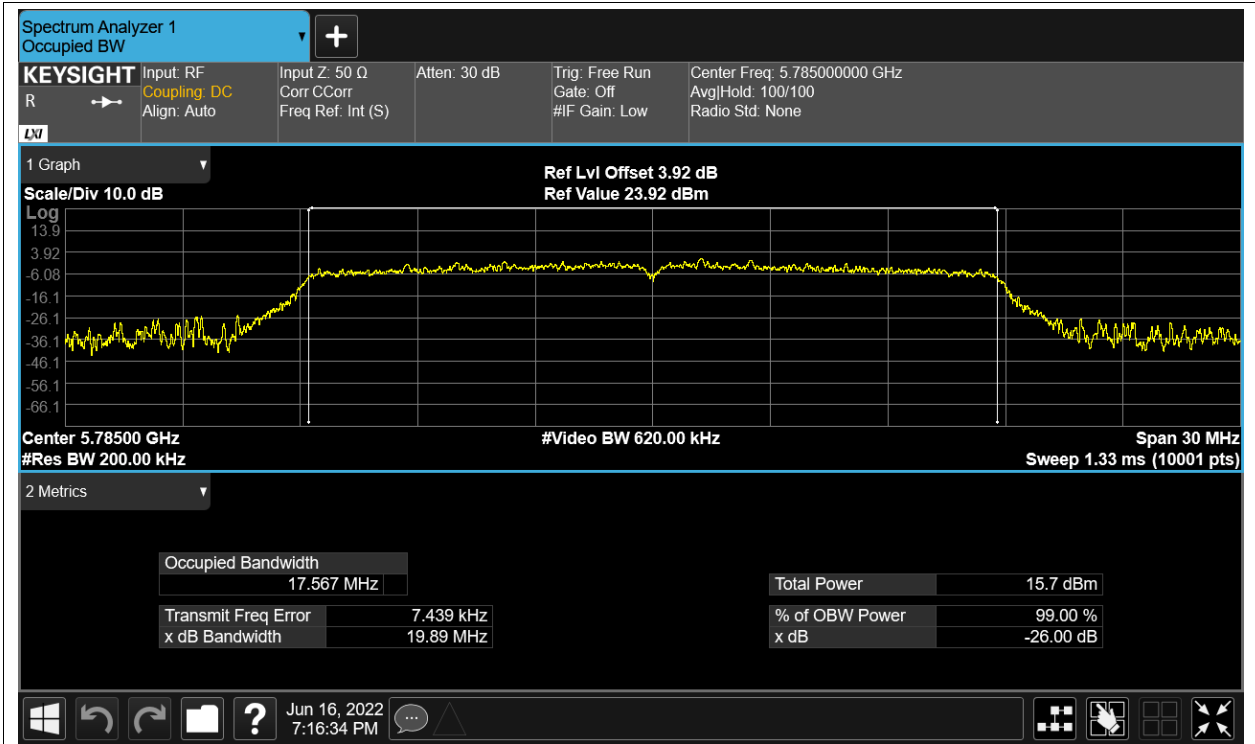


OBW NVNT n20 5745MHz Ant1

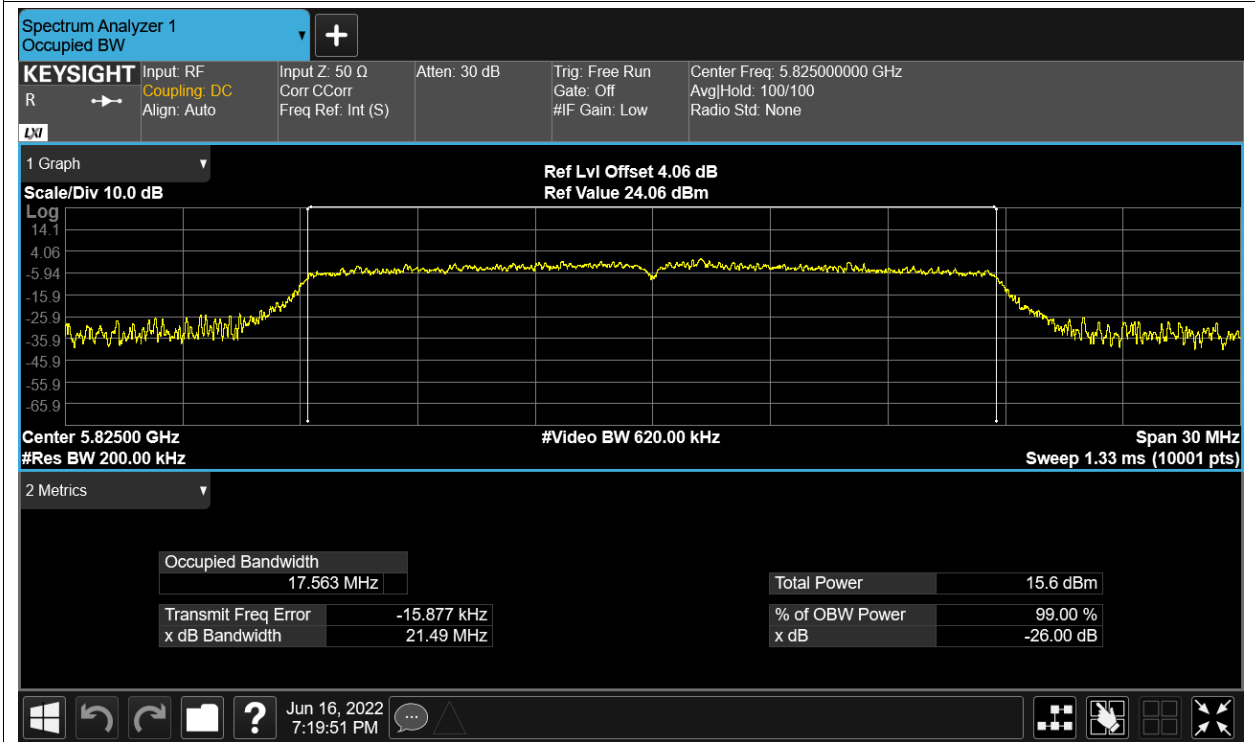


OBW NVNT n20 5785MHz Ant1

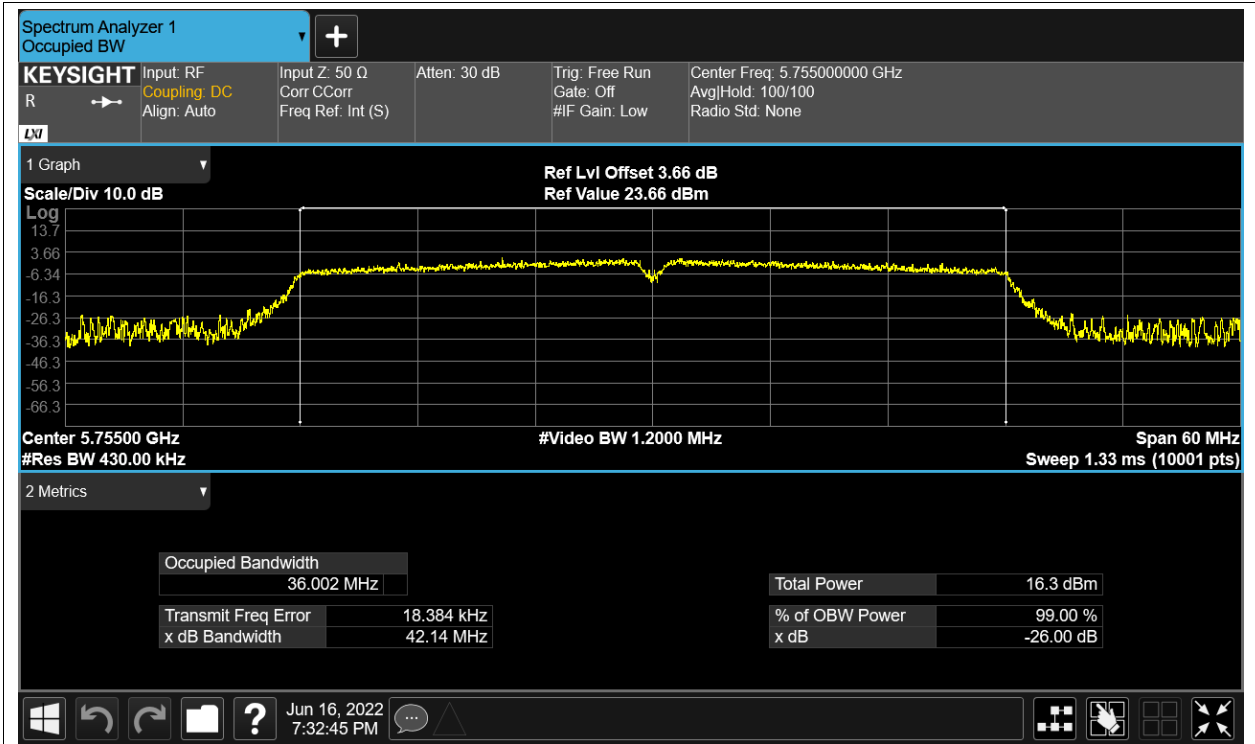




OBW NVNT n20 5825MHz Ant1



OBW NVNT n40 5755MHz Ant1



OBW NVNT n40 5795MHz Ant1

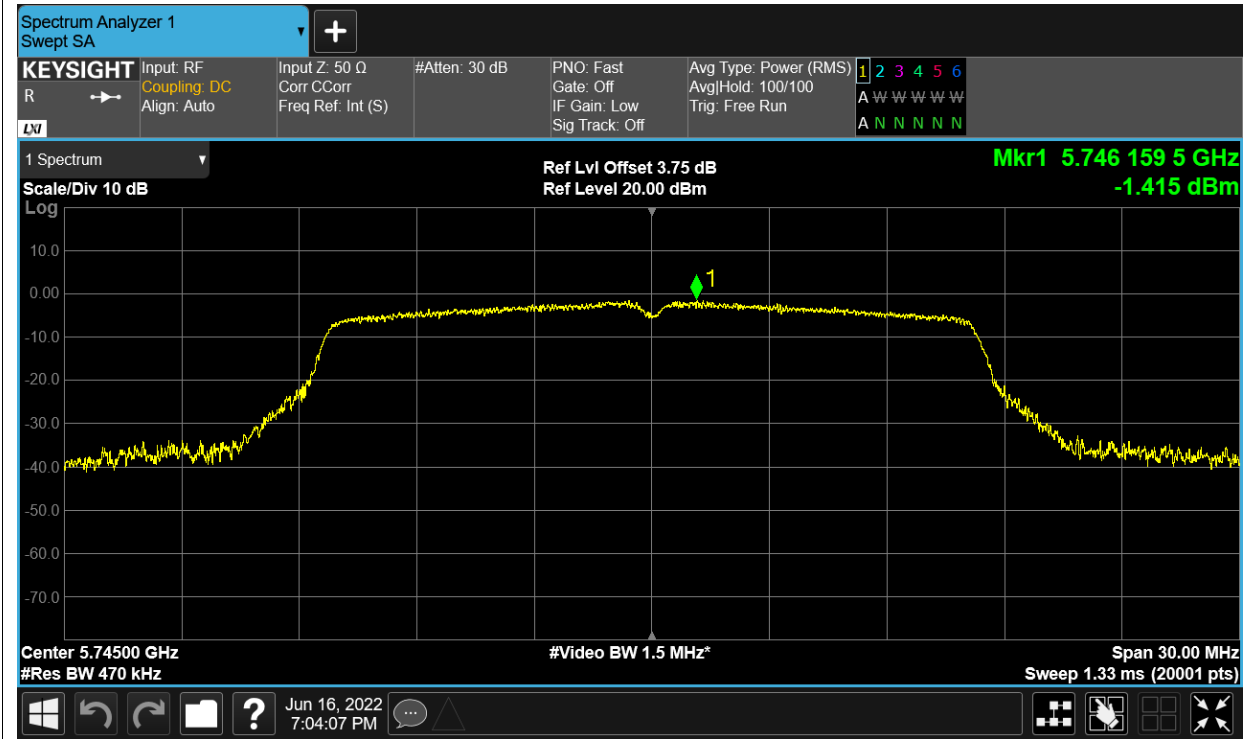


## Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-1.415	30	Pass
NVNT	a	5785	Ant1	-1.231	30	Pass
NVNT	a	5825	Ant1	-1.428	30	Pass
NVNT	ac20	5745	Ant1	-3.006	30	Pass
NVNT	ac20	5785	Ant1	-3.183	30	Pass
NVNT	ac20	5825	Ant1	-2.866	30	Pass
NVNT	ac40	5755	Ant1	-5.278	30	Pass
NVNT	ac40	5795	Ant1	-5.664	30	Pass
NVNT	ac80	5775	Ant1	-9.386	30	Pass
NVNT	n20	5745	Ant1	-3.105	30	Pass
NVNT	n20	5785	Ant1	-3.006	30	Pass
NVNT	n20	5825	Ant1	-3.276	30	Pass
NVNT	n40	5755	Ant1	-5.615	30	Pass
NVNT	n40	5795	Ant1	-5.715	30	Pass

Test Graphs

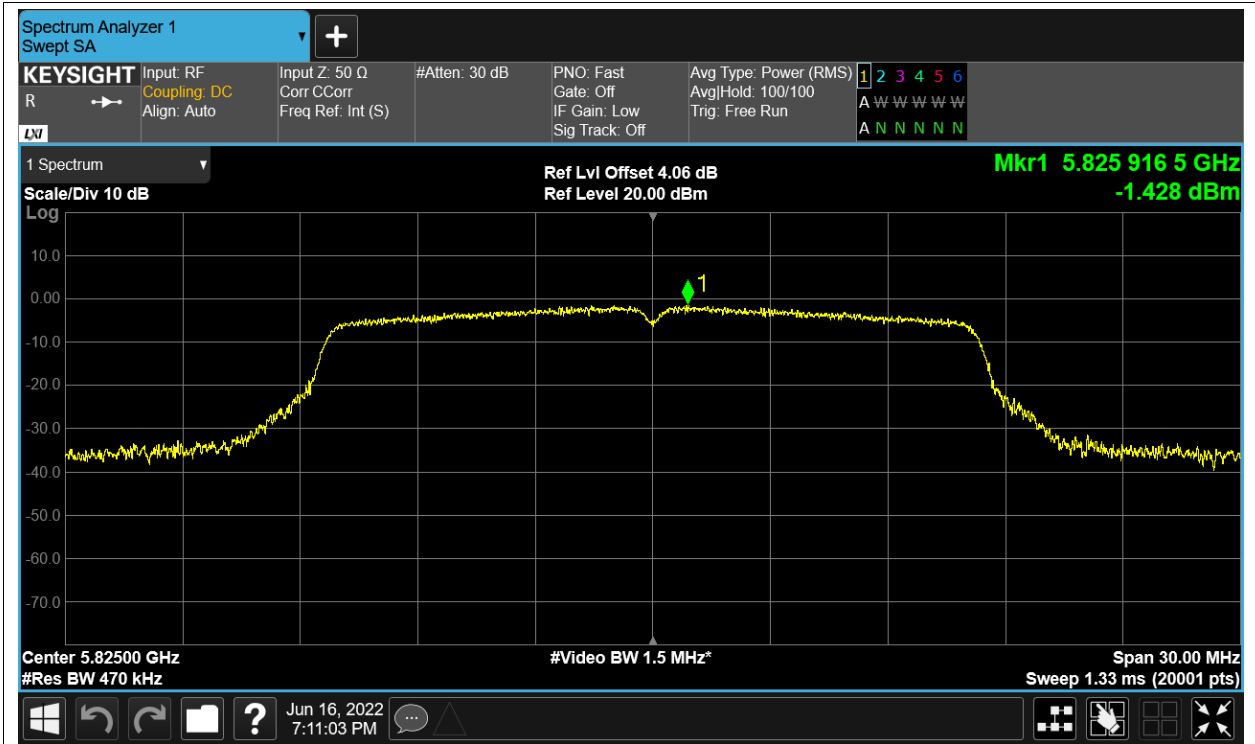
PSD NVNT a 5745MHz Ant1



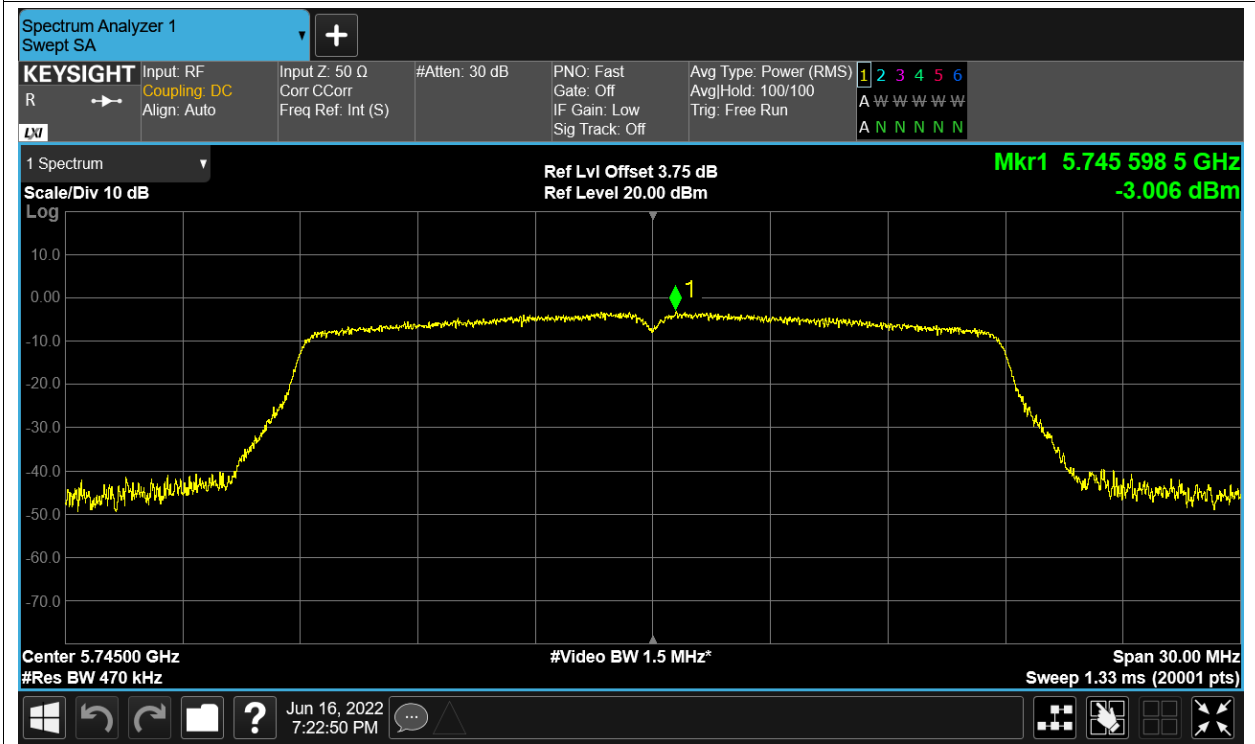
PSD NVNT a 5785MHz Ant1



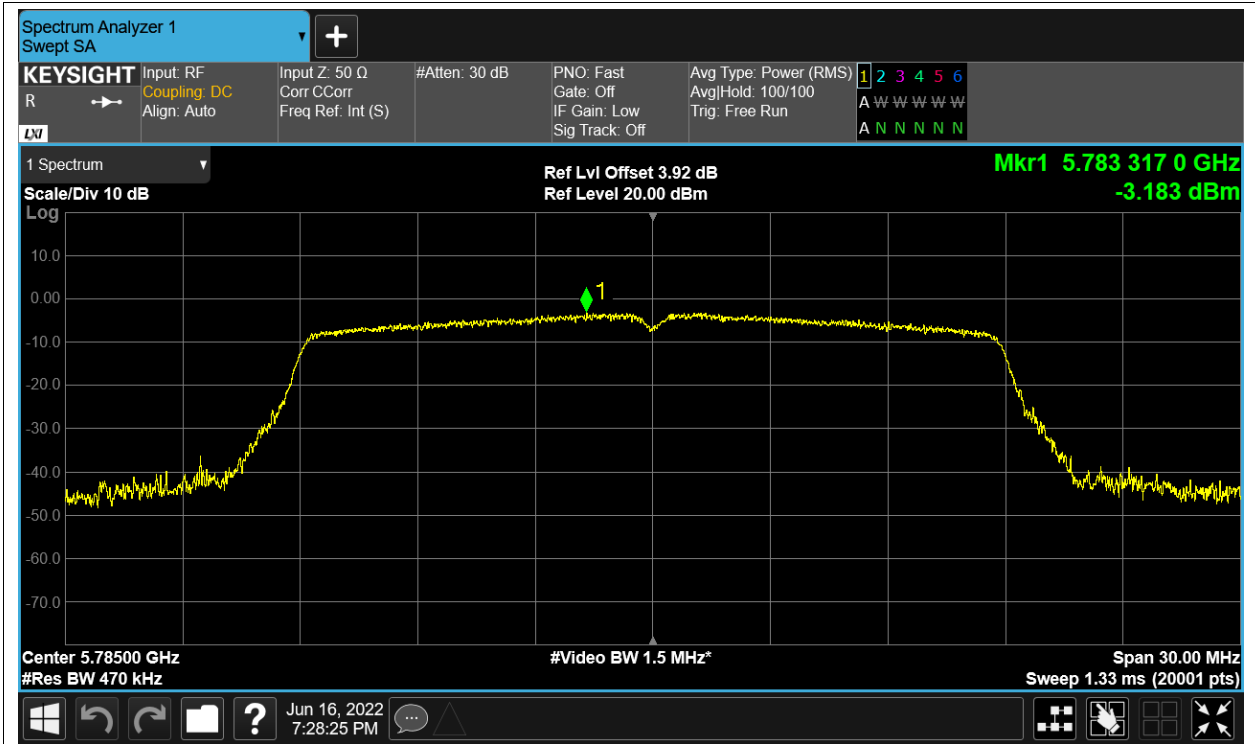
PSD NVNT a 5825MHz Ant1



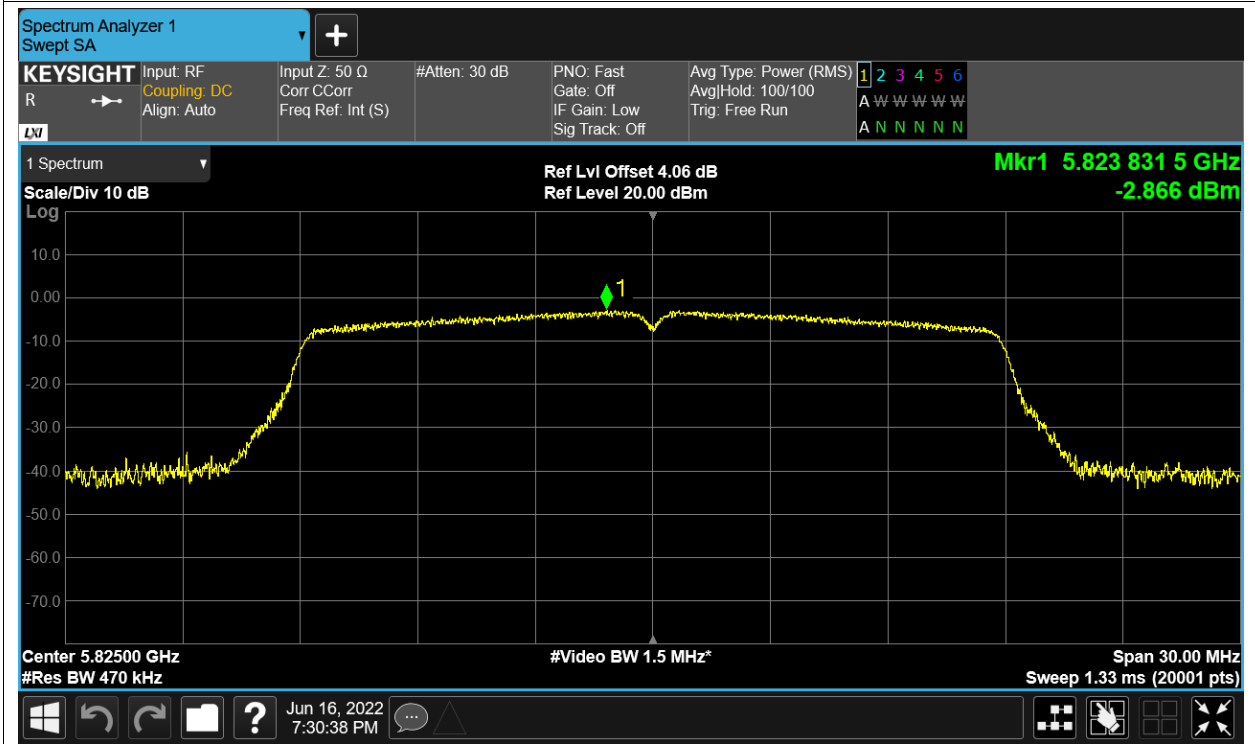
PSD NVNT ac20 5745MHz Ant1



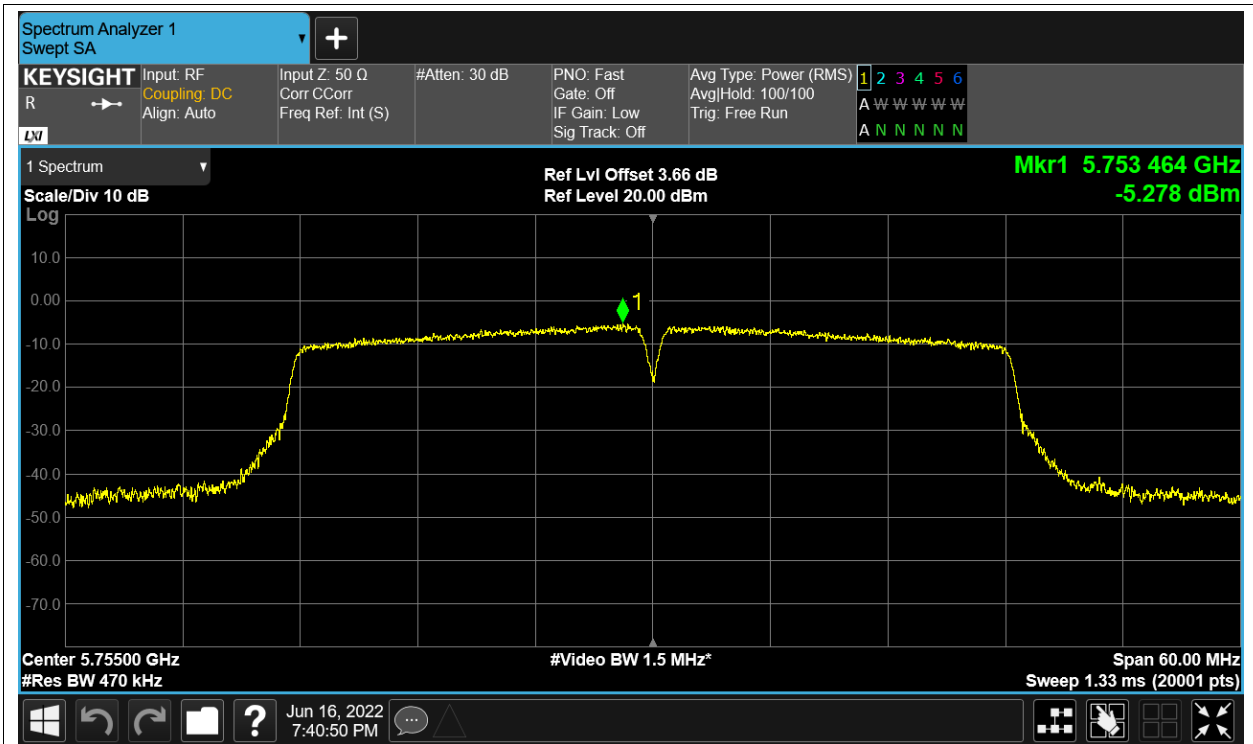
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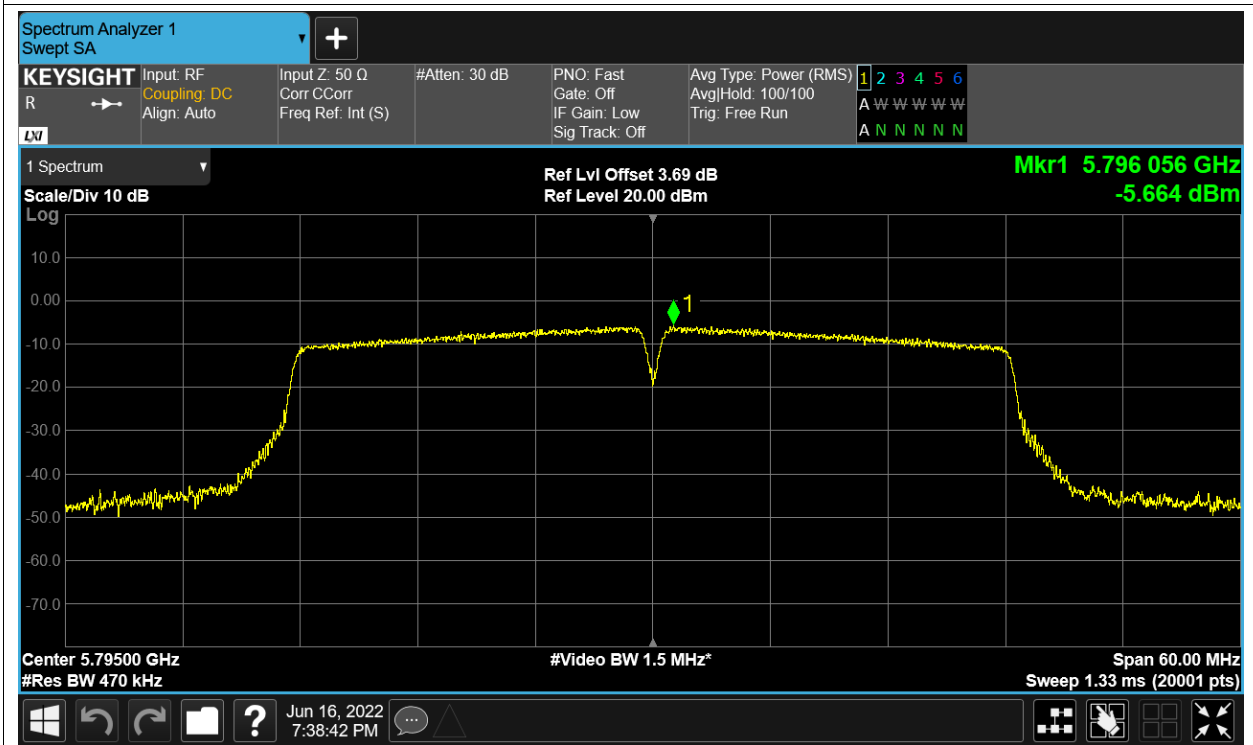
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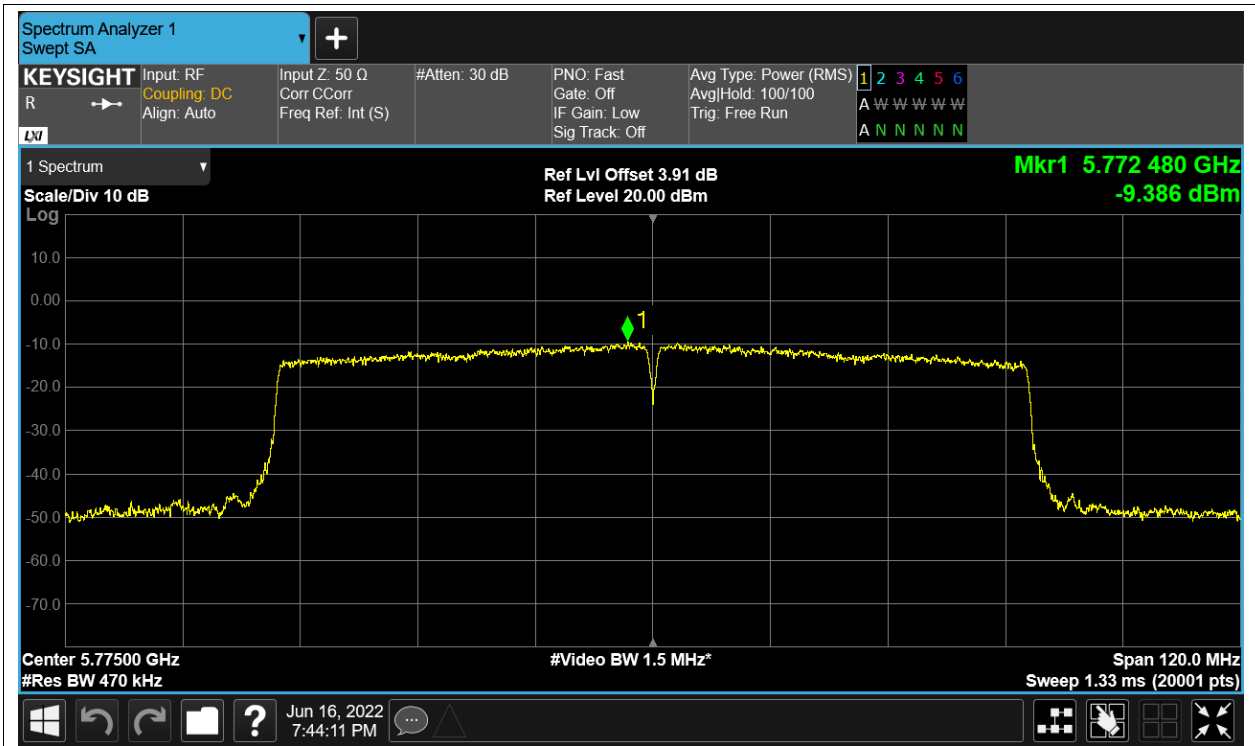
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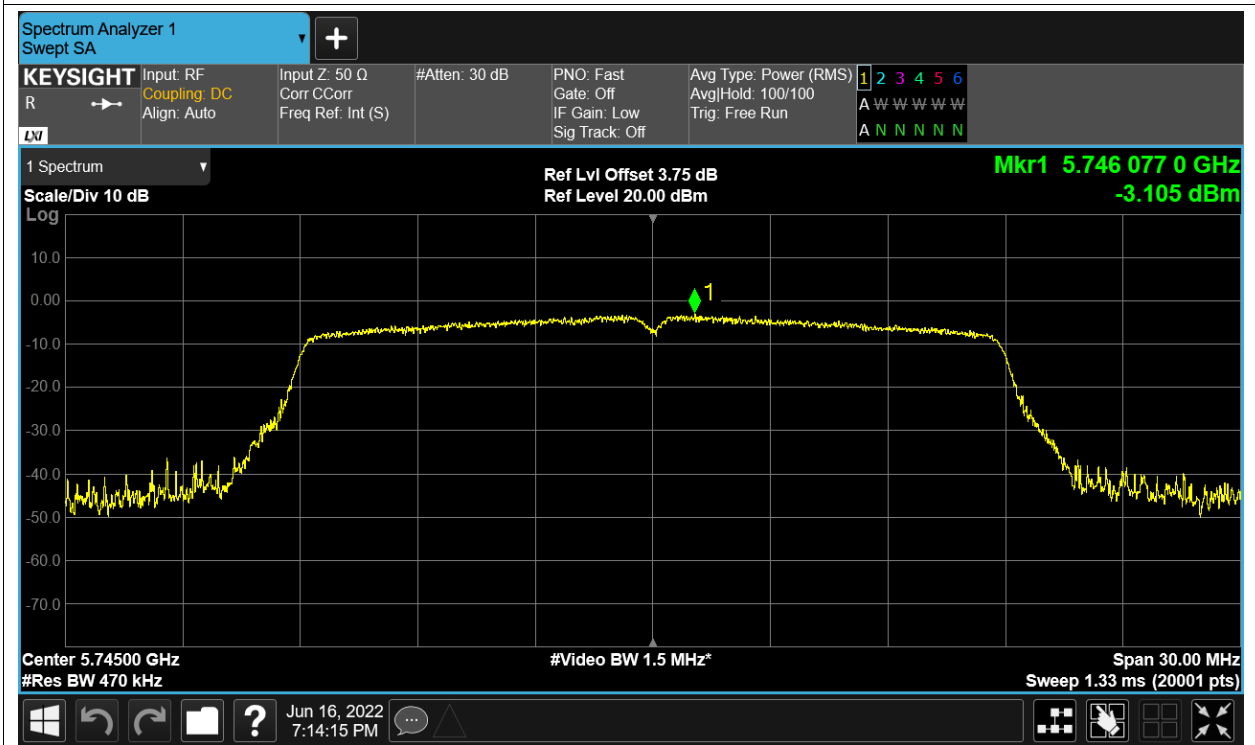
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PSD NVNT ac80 5775MHz Ant1

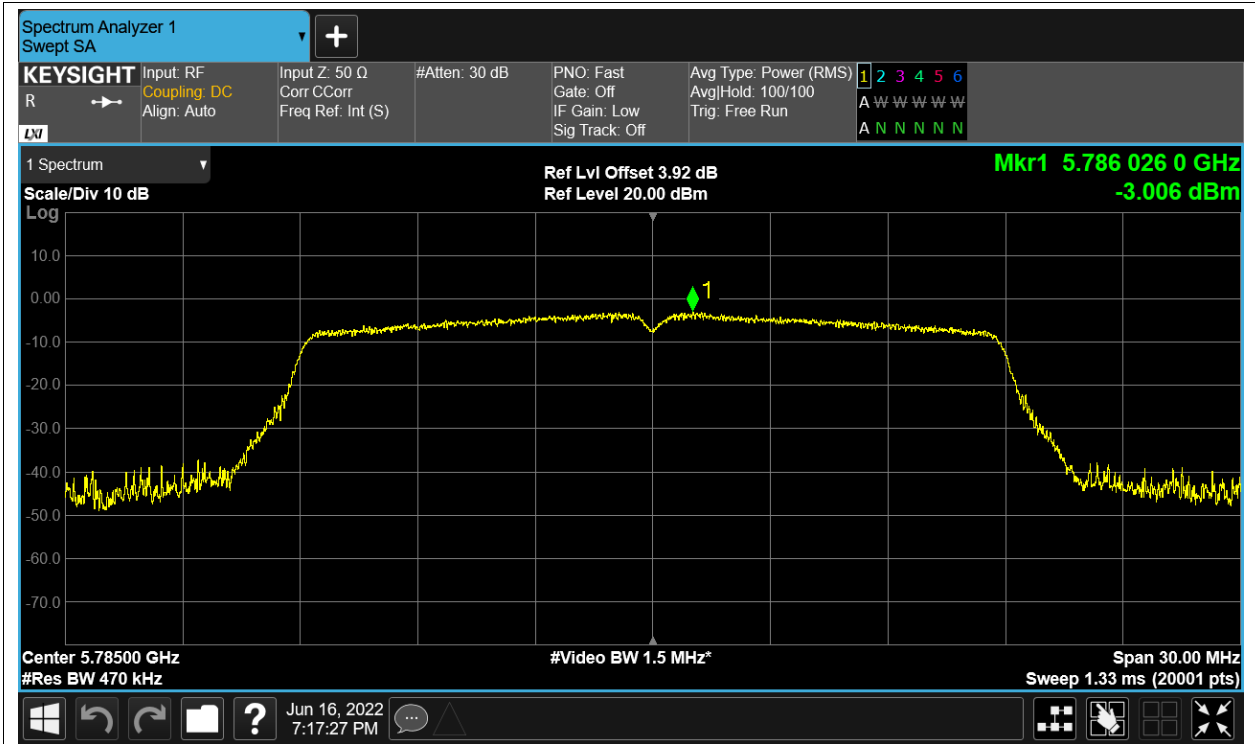


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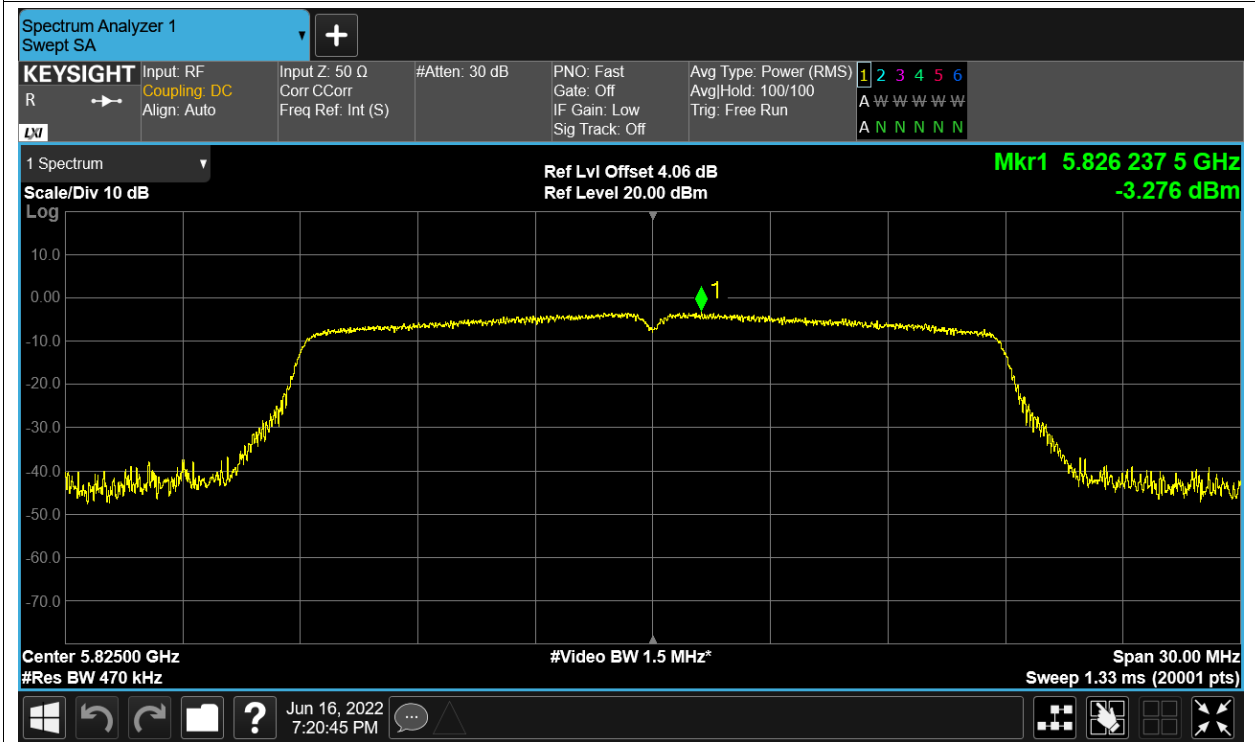


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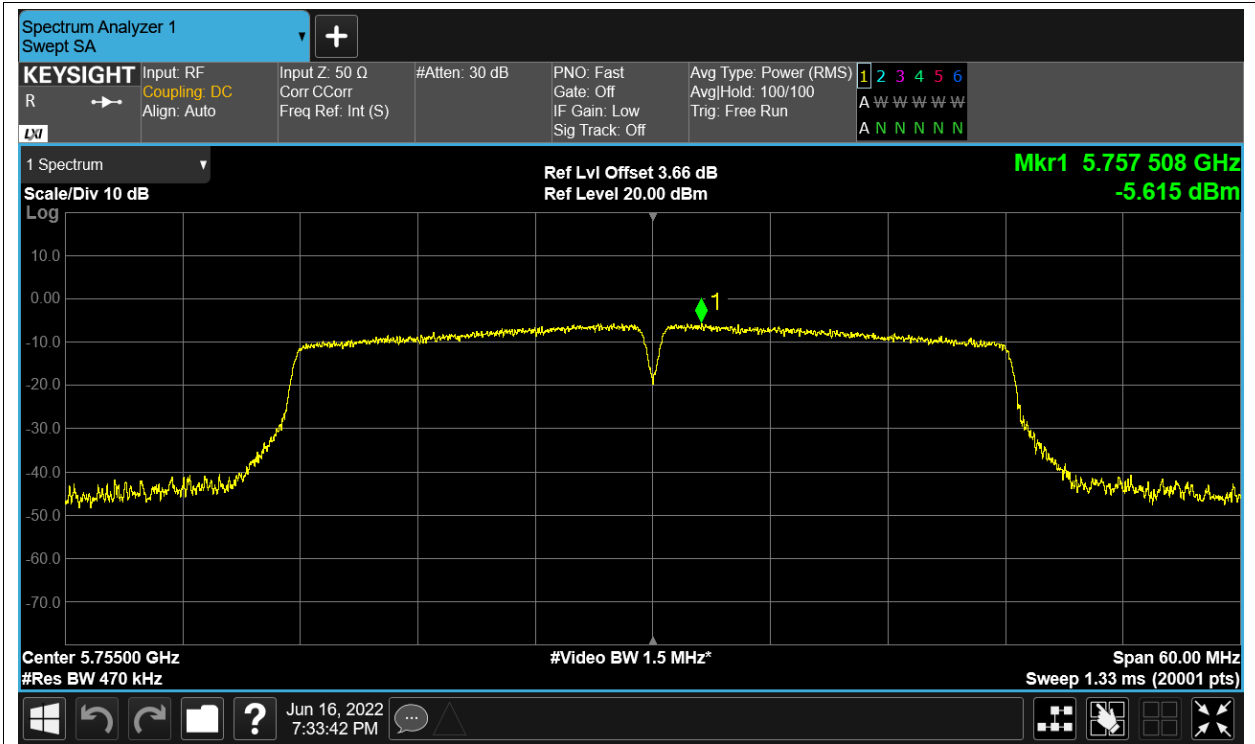




PSD NVNT n20 5825MHz Ant1



PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5795MHz Ant1

