

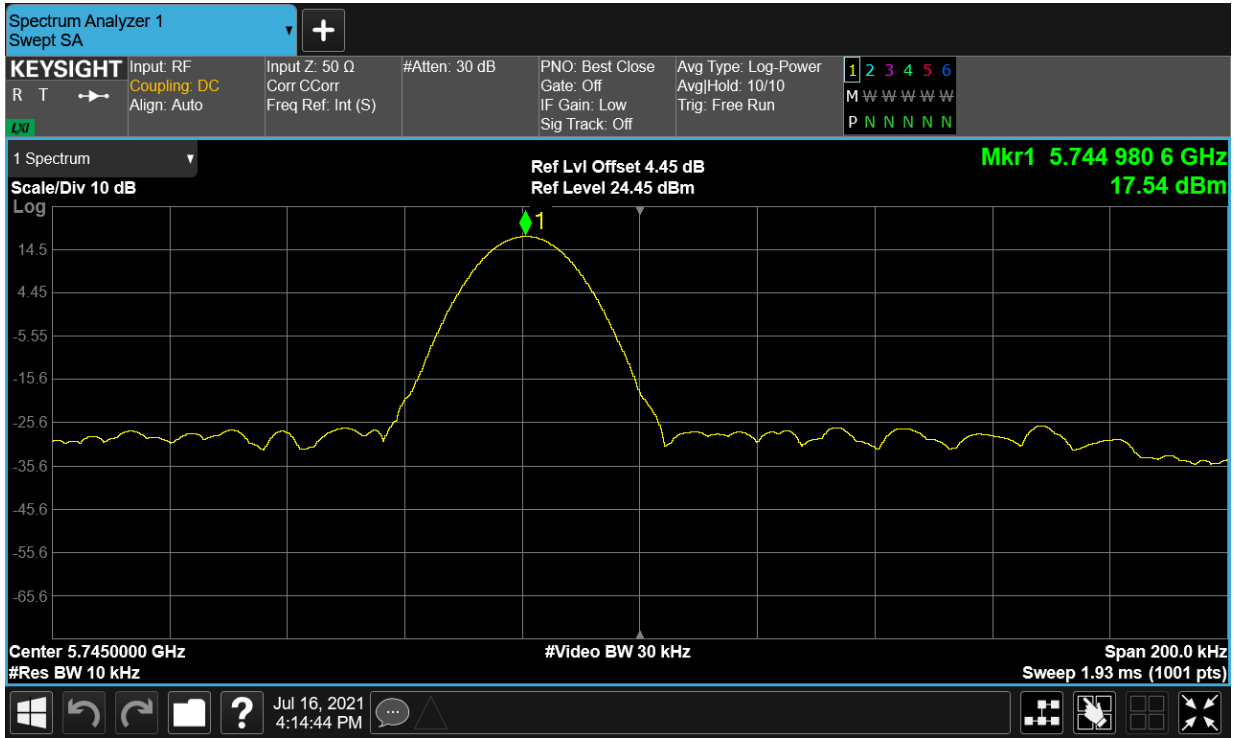
Test Data

Frequency Stability (worst case mode)

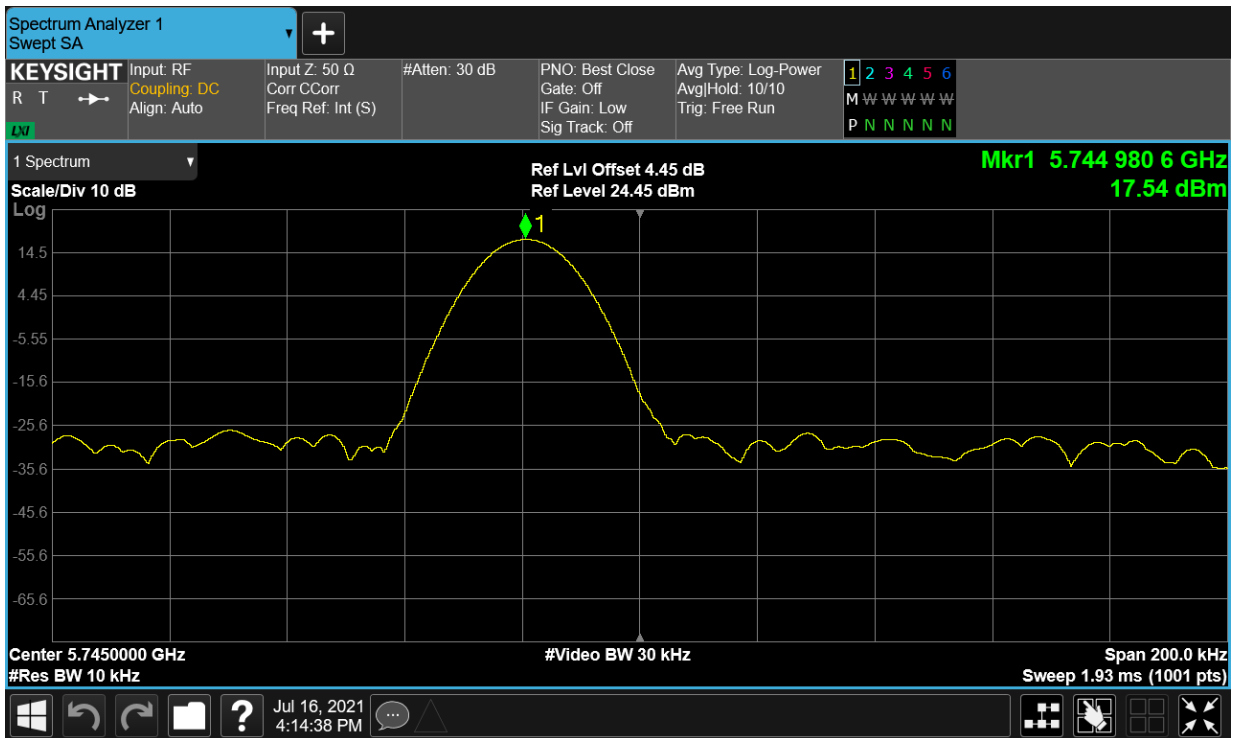
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVHT	a	5745	Ant1	5744.9806	-3.38	25	Pass
HVLT	a	5745	Ant1	5744.9806	-3.38	25	Pass
LVHT	a	5745	Ant1	5744.9806	-3.38	25	Pass
LVLT	a	5745	Ant1	5744.9806	-3.38	25	Pass
NVNT	a	5745	Ant1	5744.9806	-3.38	25	Pass
HVHT	ac80	5775	Ant1	5774.9798	-3.5	25	Pass
HVLT	ac80	5775	Ant1	5774.9798	-3.5	25	Pass
LVHT	ac80	5775	Ant1	5774.9798	-3.5	25	Pass
LVLT	ac80	5775	Ant1	5774.98	-3.46	25	Pass
NVNT	ac80	5775	Ant1	5774.9798	-3.5	25	Pass
HVHT	n40	5755	Ant1	5754.9804	-3.41	25	Pass
HVLT	n40	5755	Ant1	5754.9804	-3.41	25	Pass
LVHT	n40	5755	Ant1	5754.9804	-3.41	25	Pass
LVLT	n40	5755	Ant1	5754.9804	-3.41	25	Pass
NVNT	n40	5755	Ant1	5754.9804	-3.41	25	Pass

Remark: "NTNV" means Normal Temperature Normal Voltage, "LTLV" means Low Temperature Low Voltage, "LTHV" means Low Temperature High Voltage, "HTLV" means High Temperature Low Voltage, "HTHV" means High Temperature High Voltage.

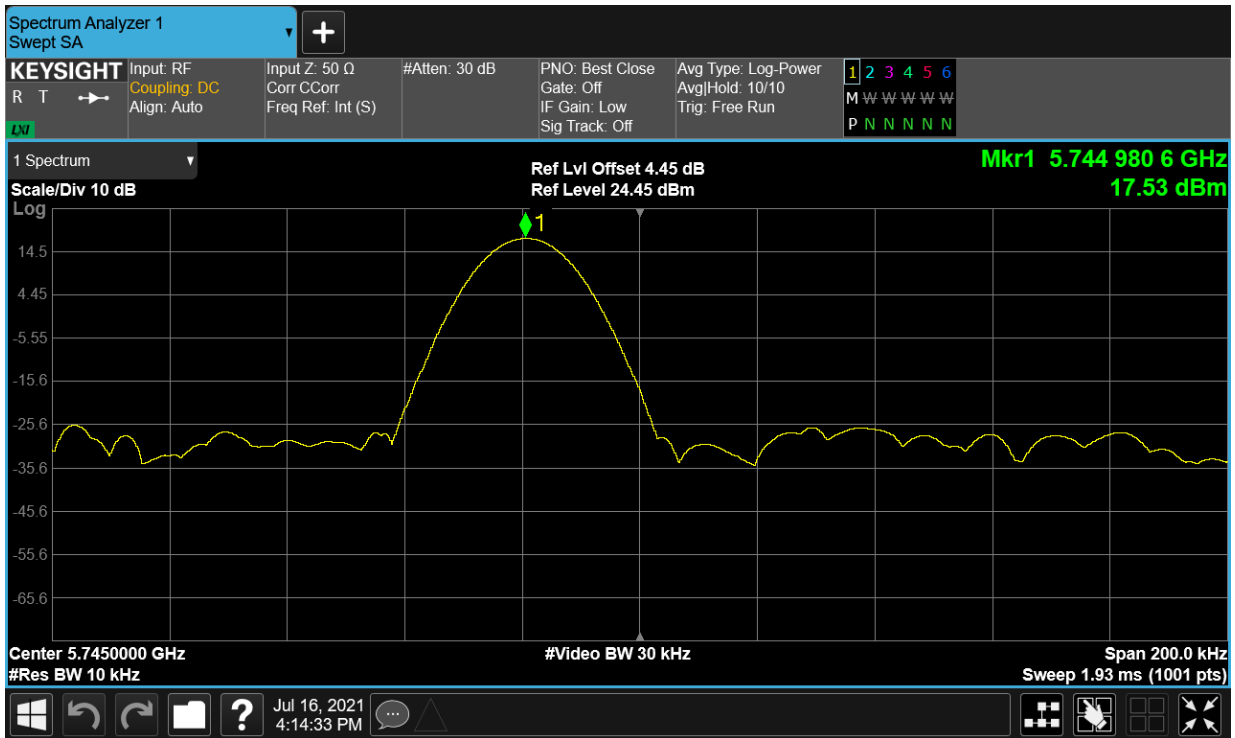
Freq. Stability HVHT a 5745MHz Ant1



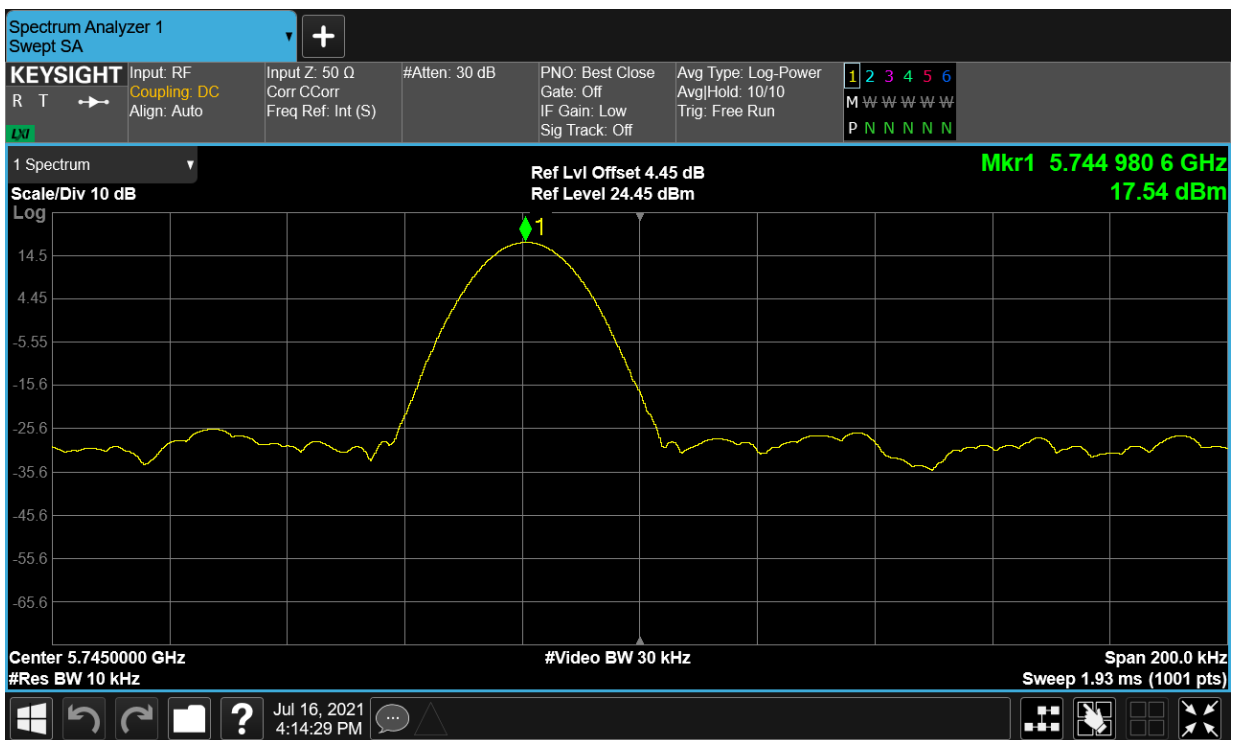
Freq. Stability HVLT a 5745MHz Ant1



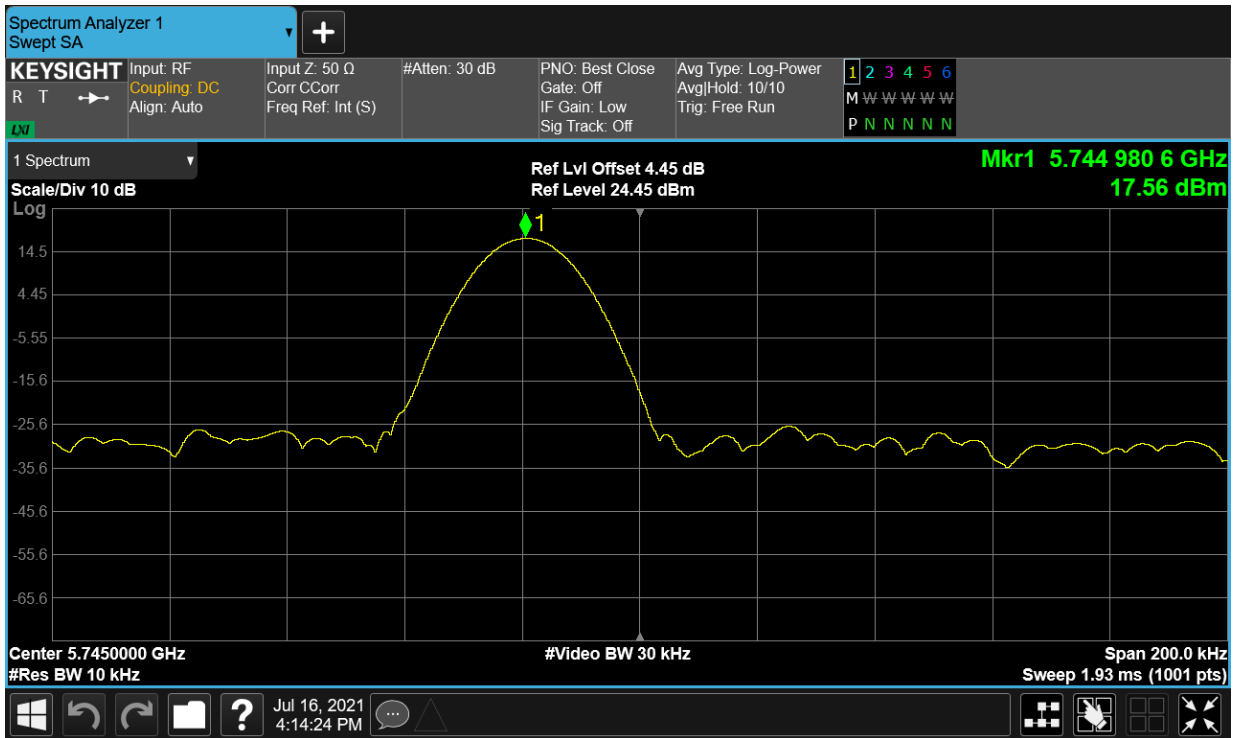
Freq. Stability LVHT a 5745MHz Ant1



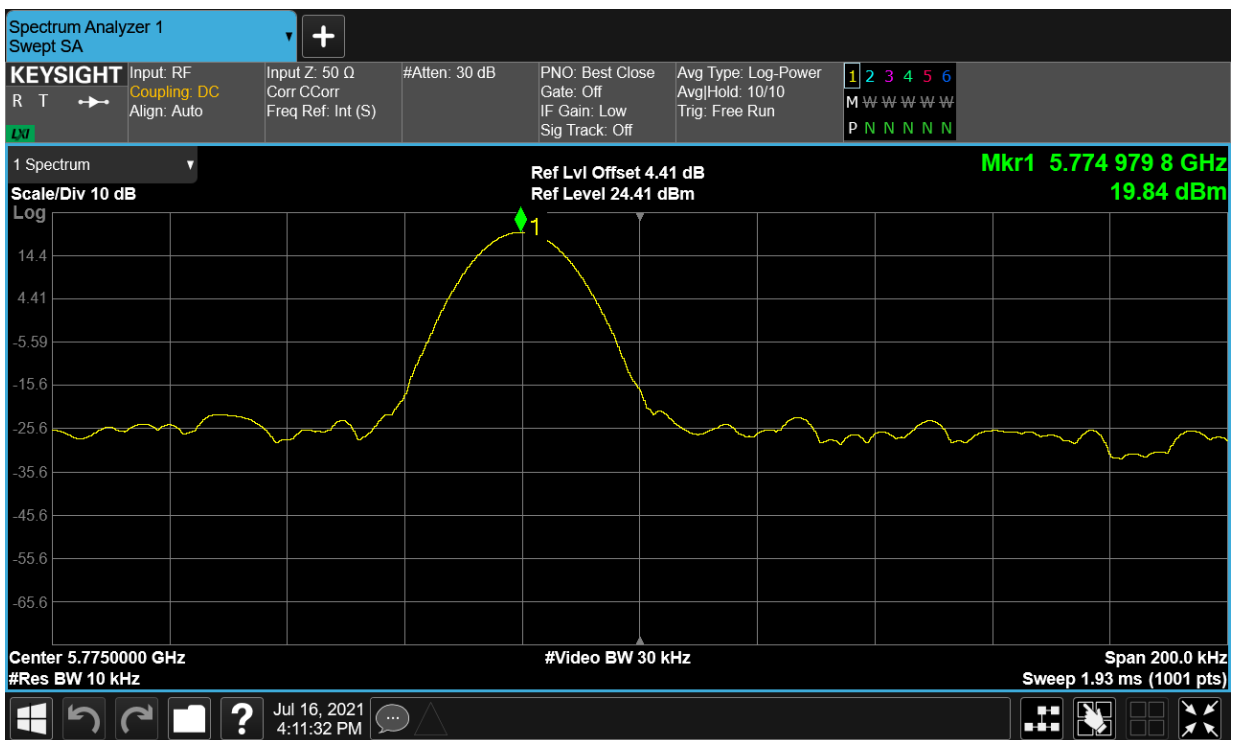
Freq. Stability LVLT a 5745MHz Ant1



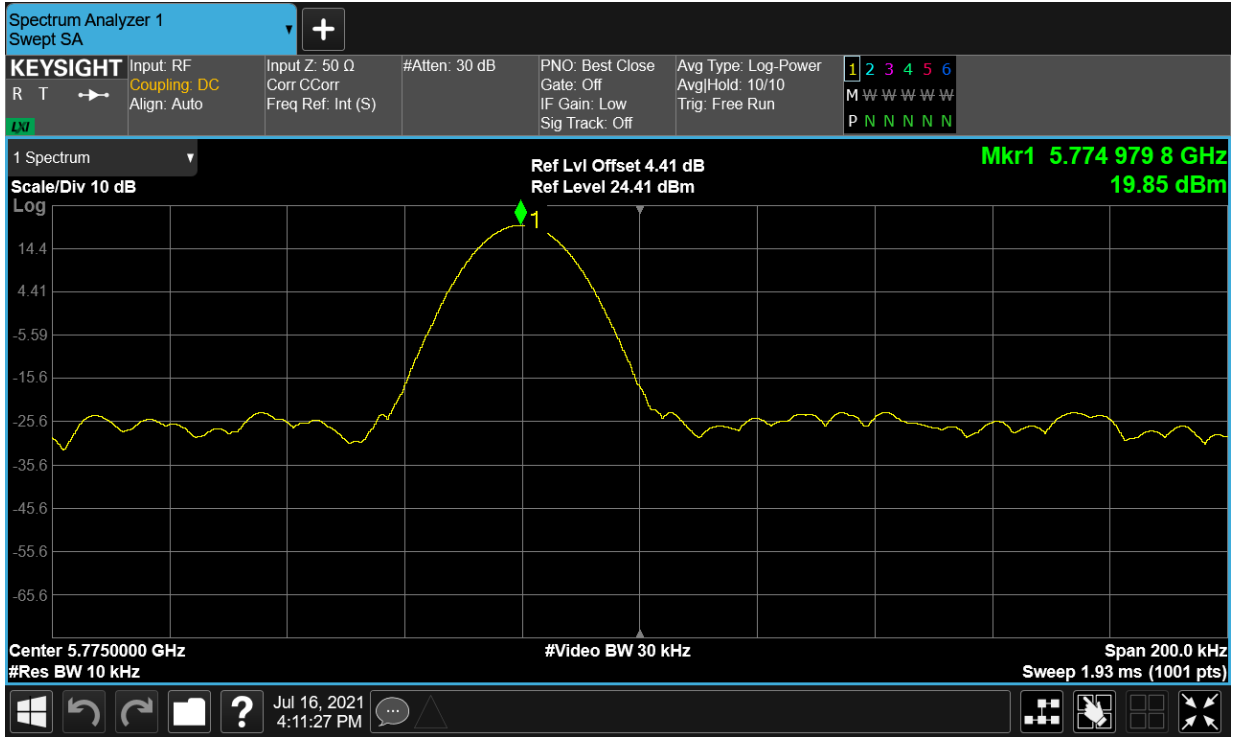
Freq. Stability NVNT a 5745MHz Ant1



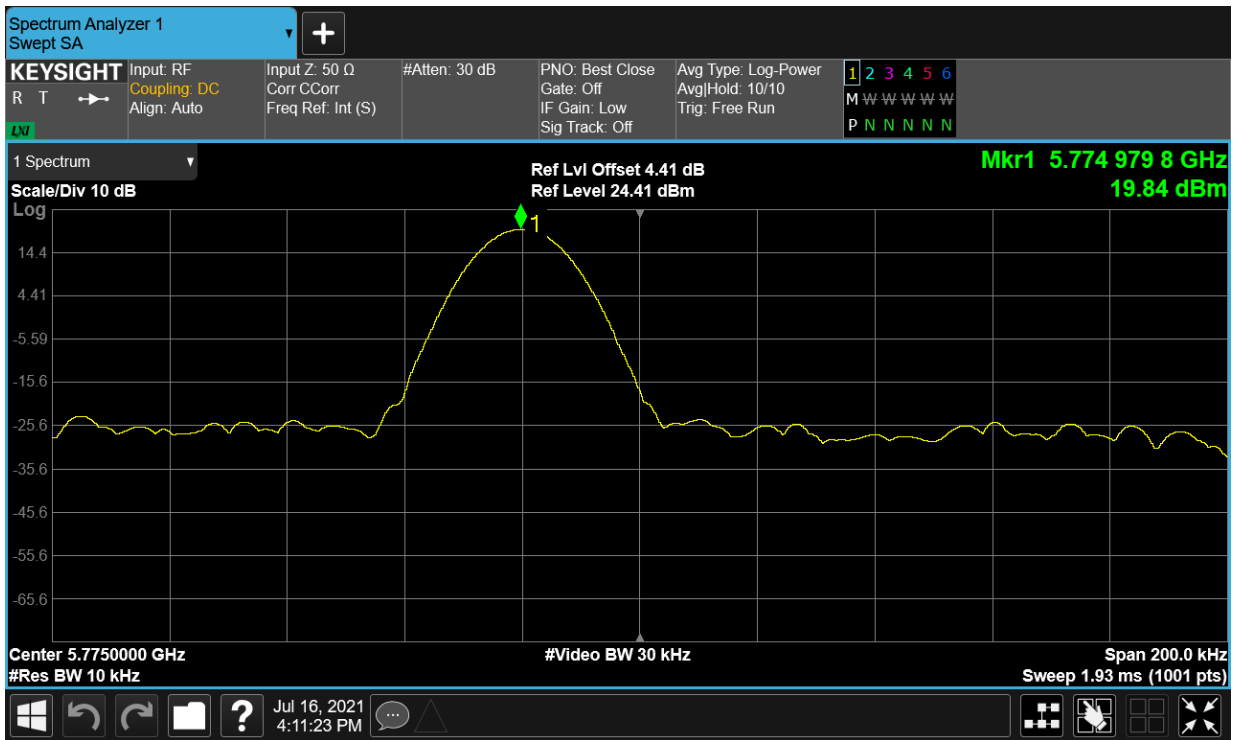
Freq. Stability HVHT ac80 5775MHz Ant1



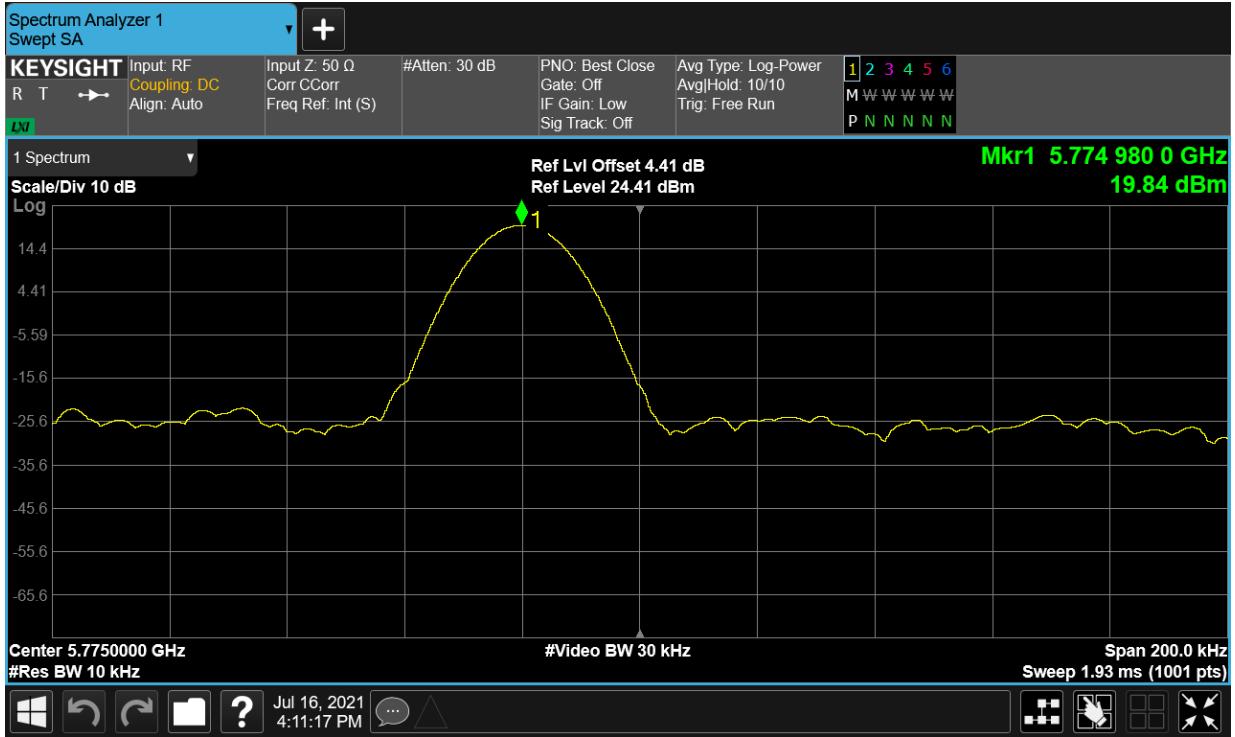
Freq. Stability HVLT ac80 5775MHz Ant1



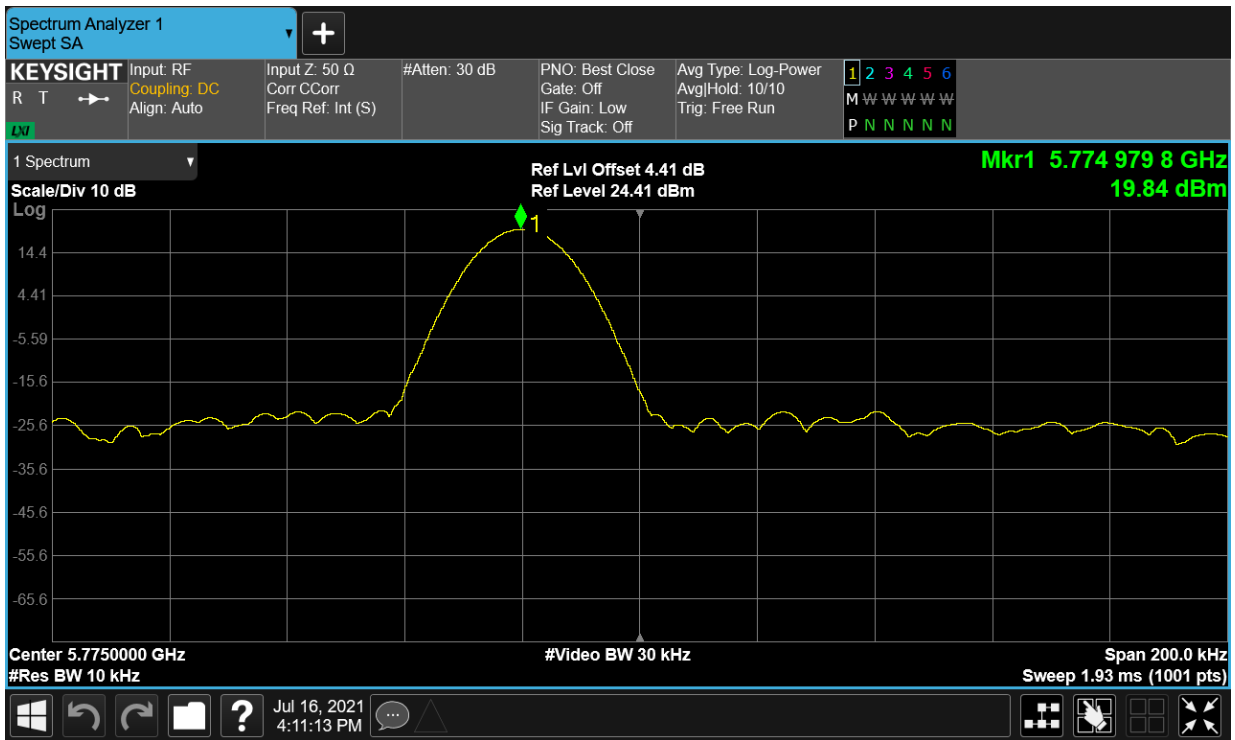
Freq. Stability LVHT ac80 5775MHz Ant1



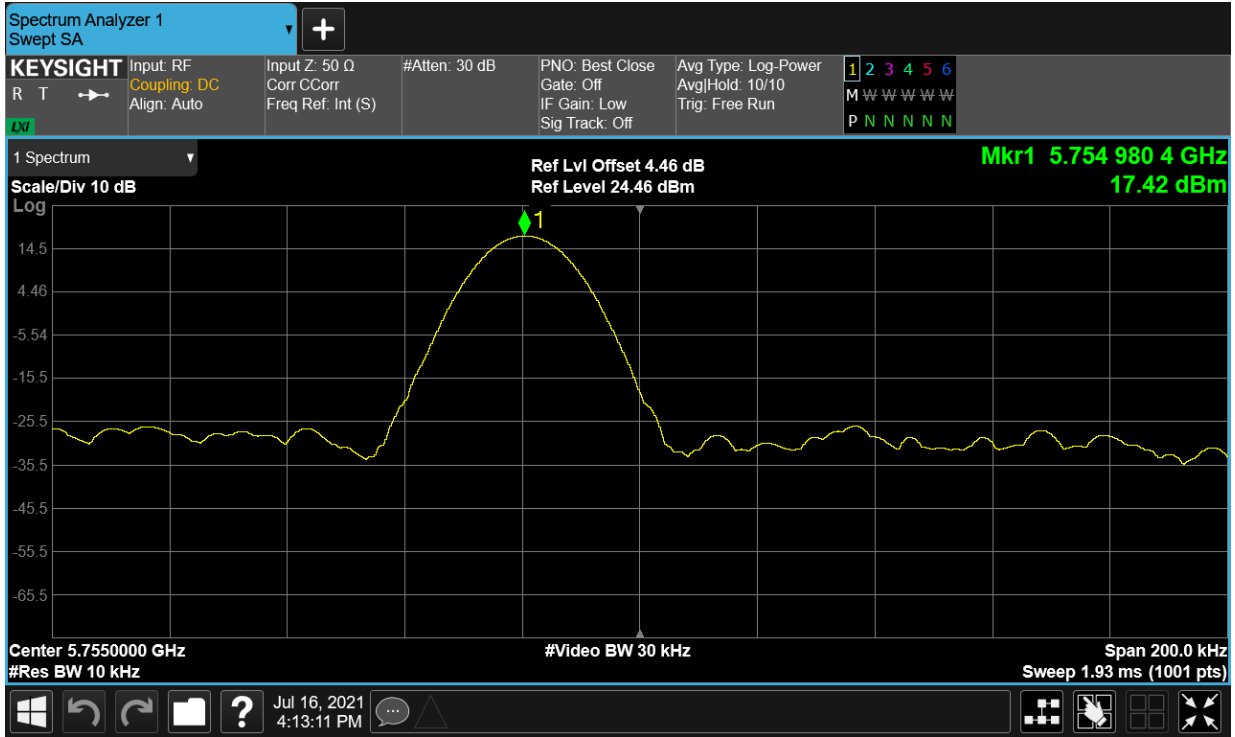
Freq. Stability LVLT ac80 5775MHz Ant1



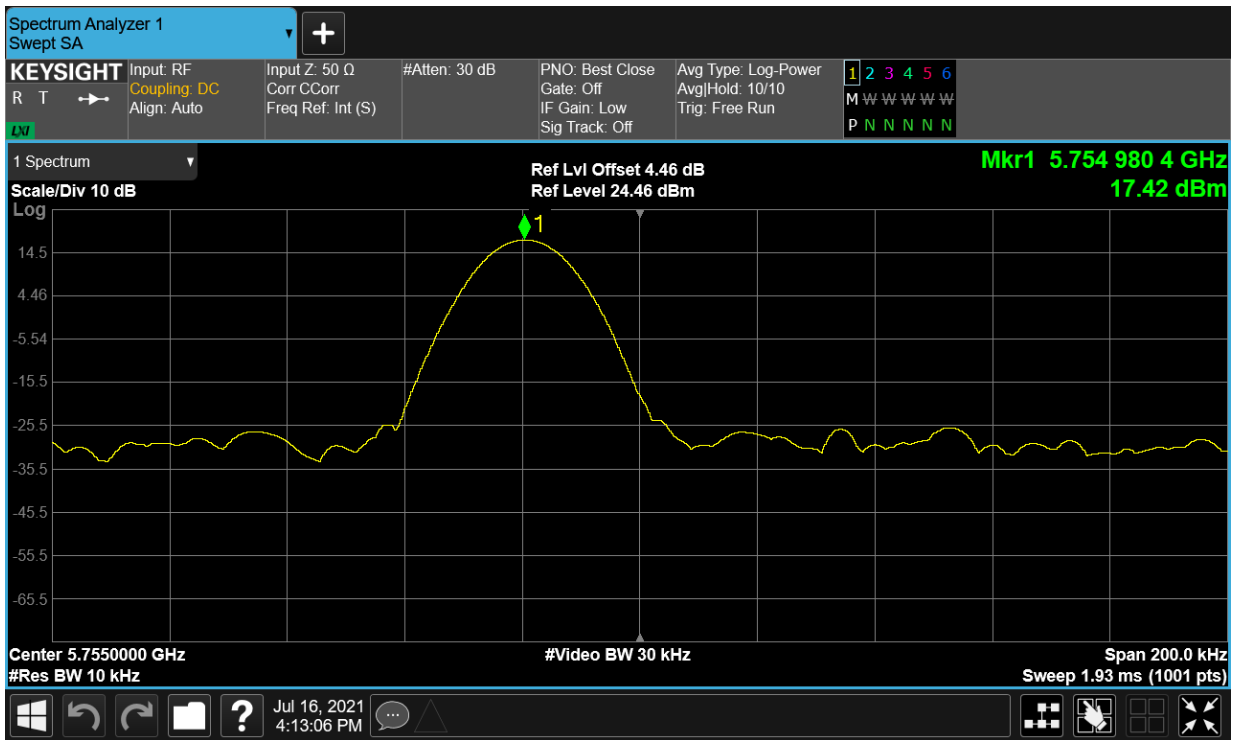
Freq. Stability NVNT ac80 5775MHz Ant1



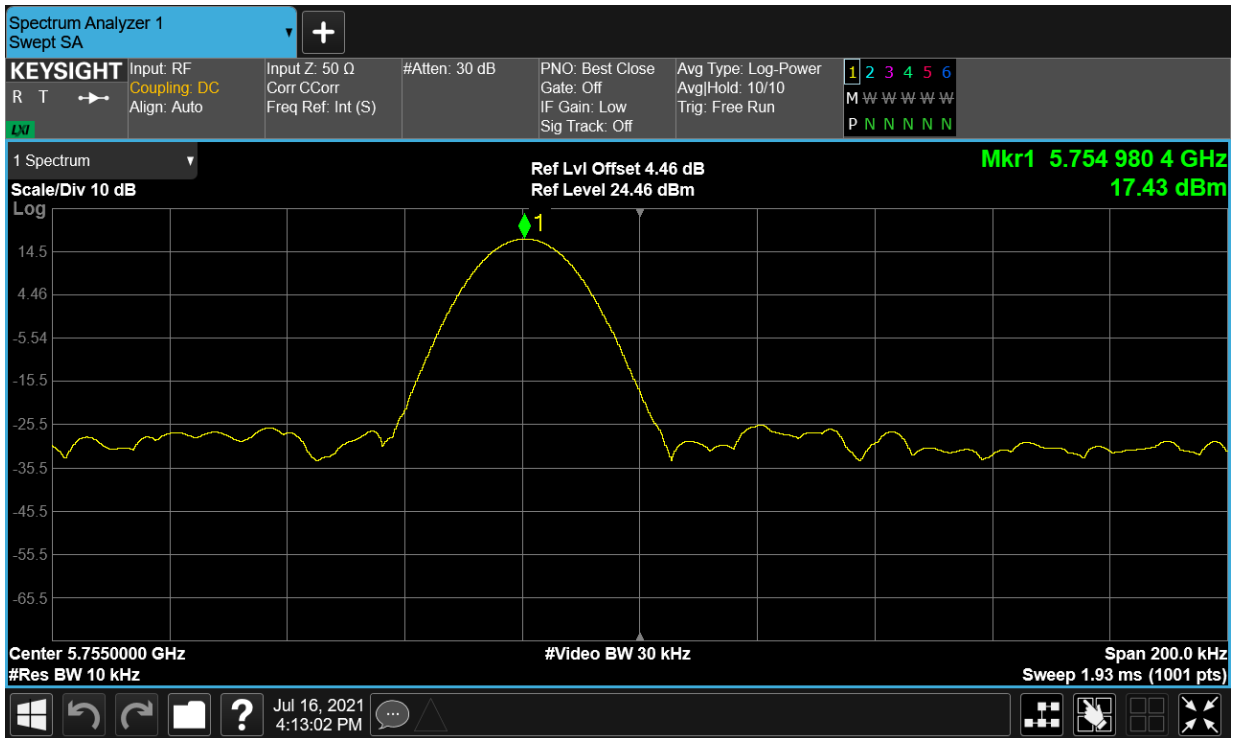
Freq. Stability HVHT n40 5755MHz Ant1



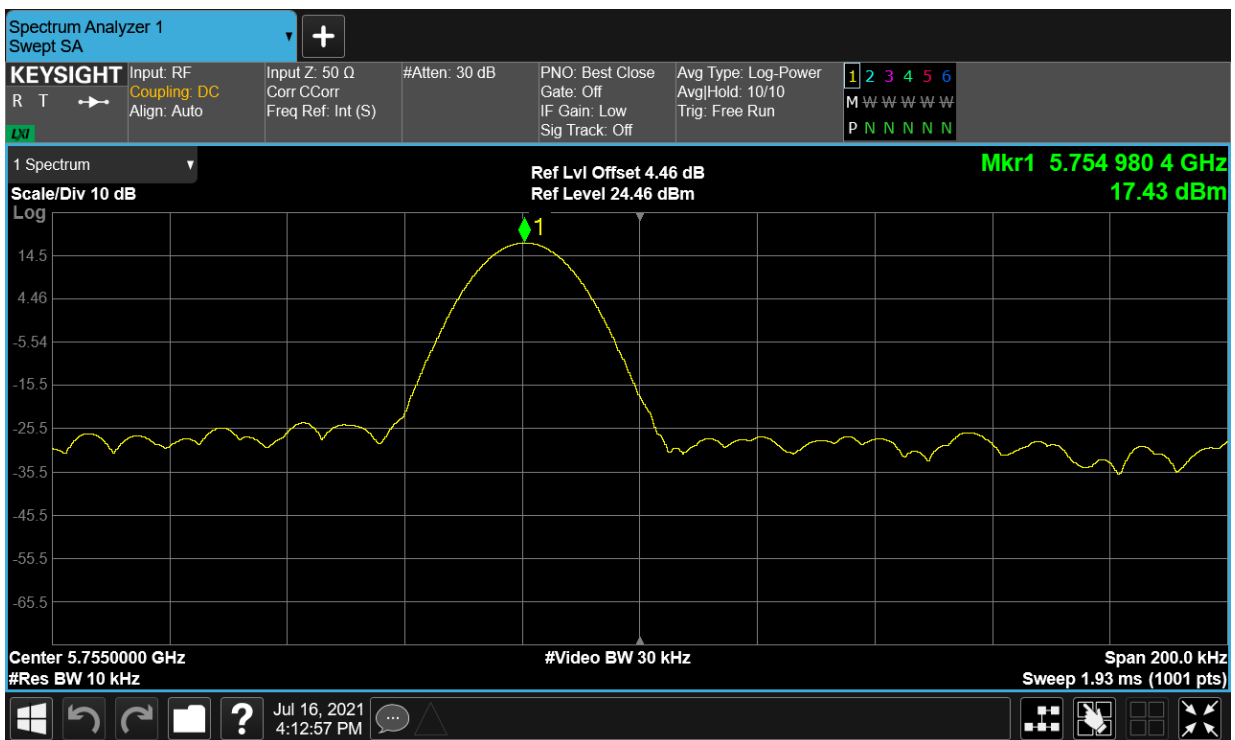
Freq. Stability HVLT n40 5755MHz Ant1



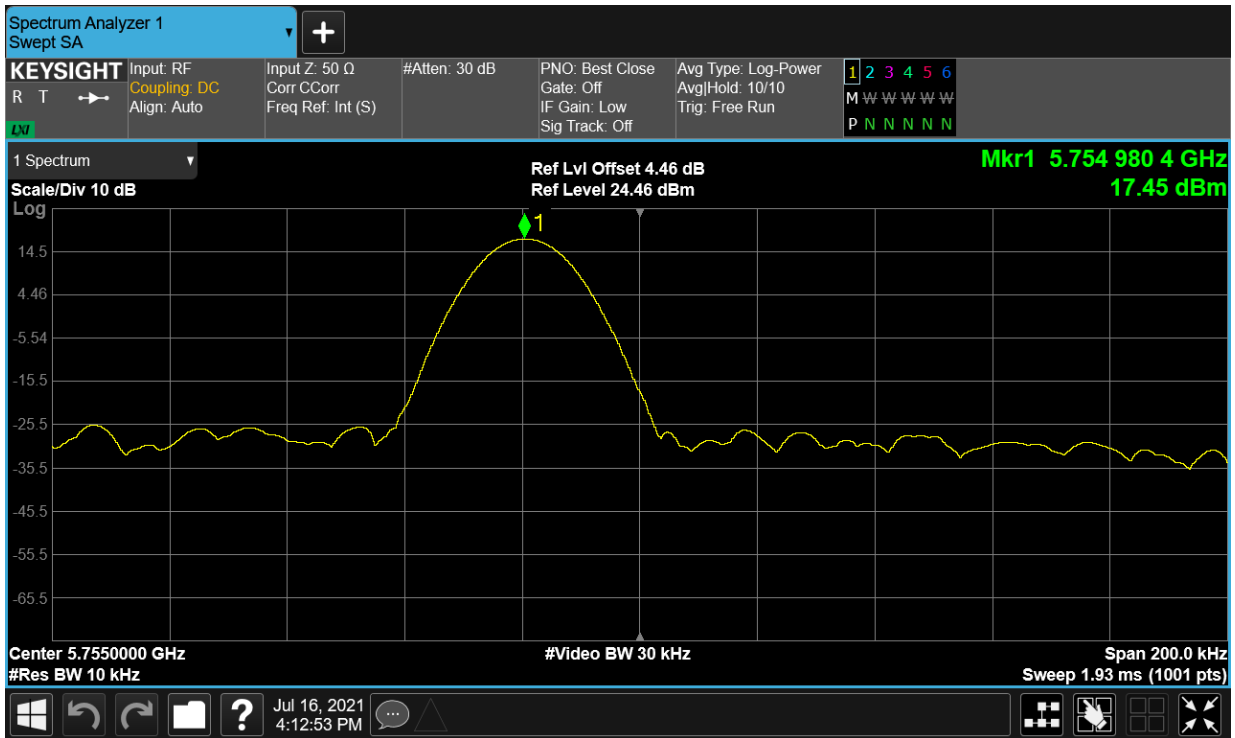
Freq. Stability LVHT n40 5755MHz Ant1



Freq. Stability LVLT n40 5755MHz Ant1



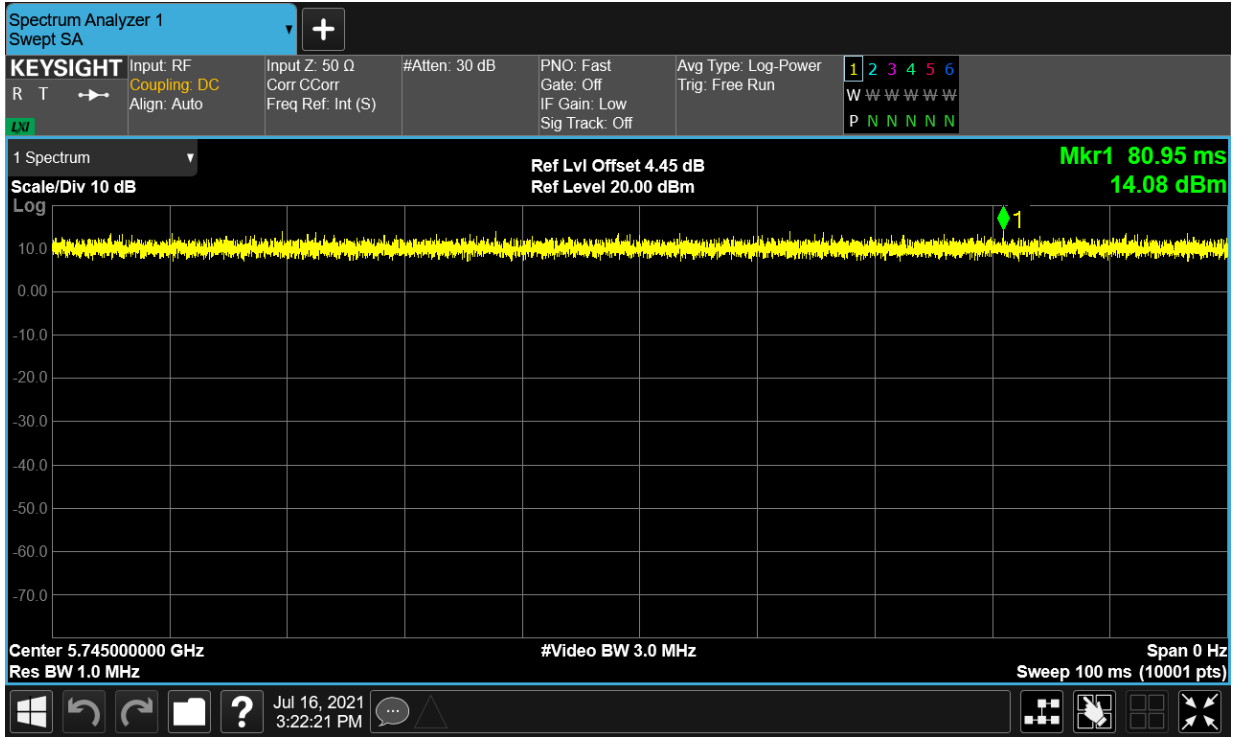
Freq. Stability NVNT n40 5755MHz Ant1



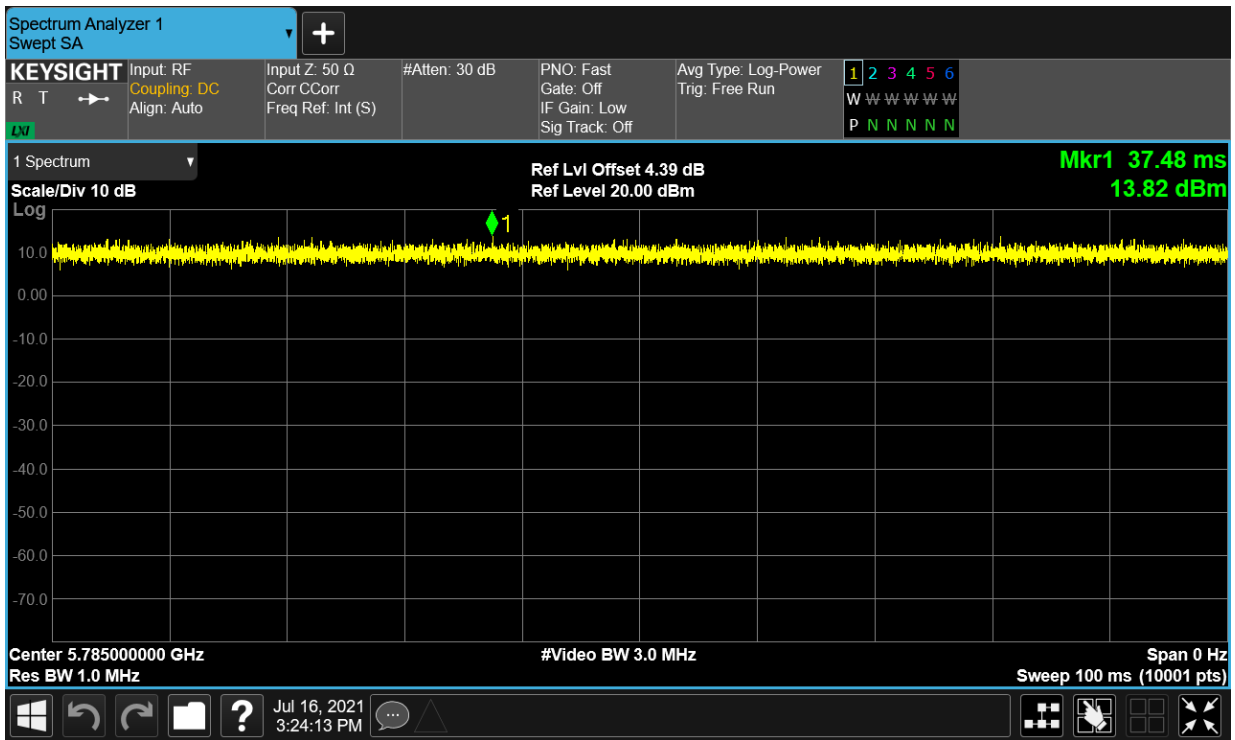
Duty Cycle

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

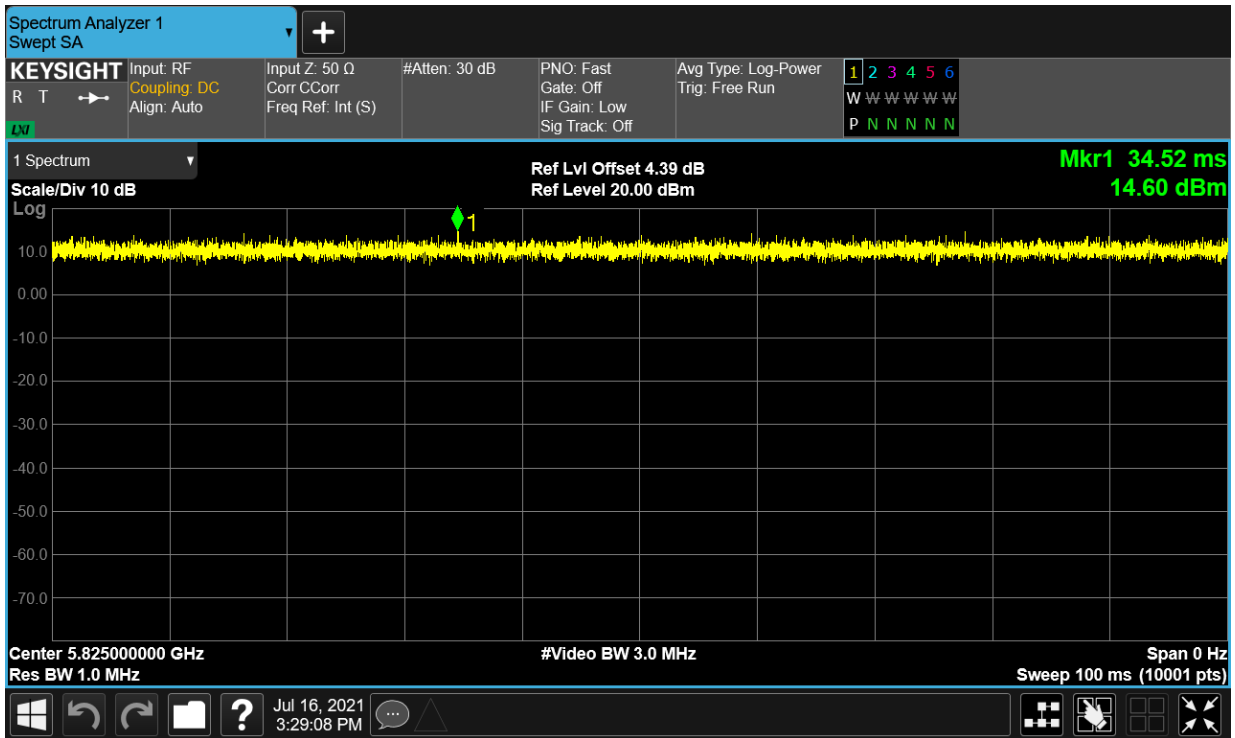
Duty Cycle NVNT a 5745MHz Ant1



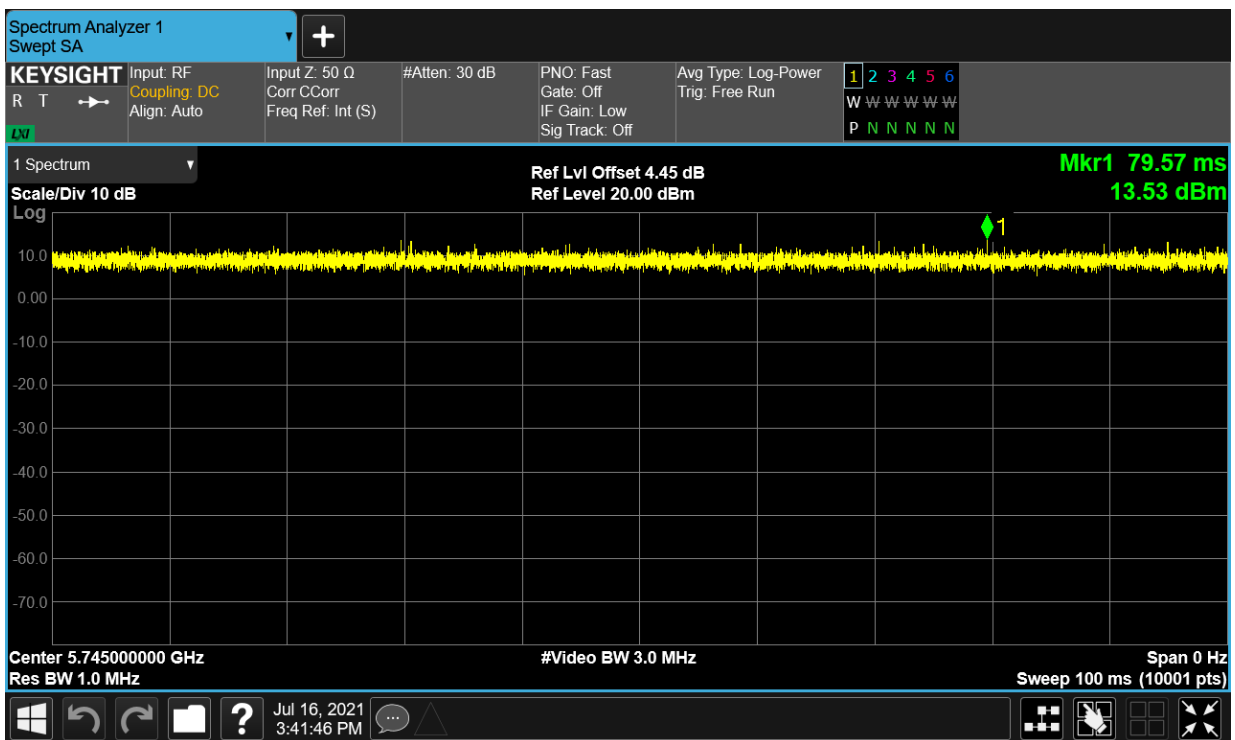
Duty Cycle NVNT a 5785MHz Ant1



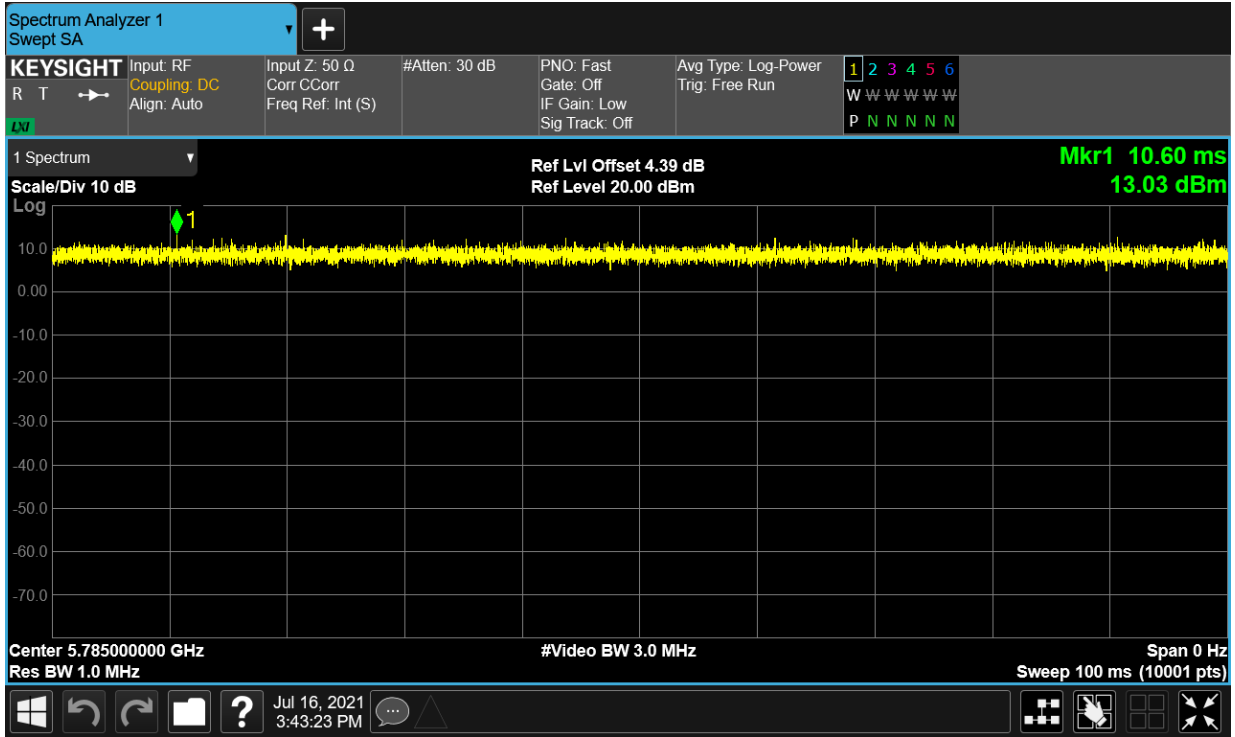
Duty Cycle NVNT a 5825MHz Ant1



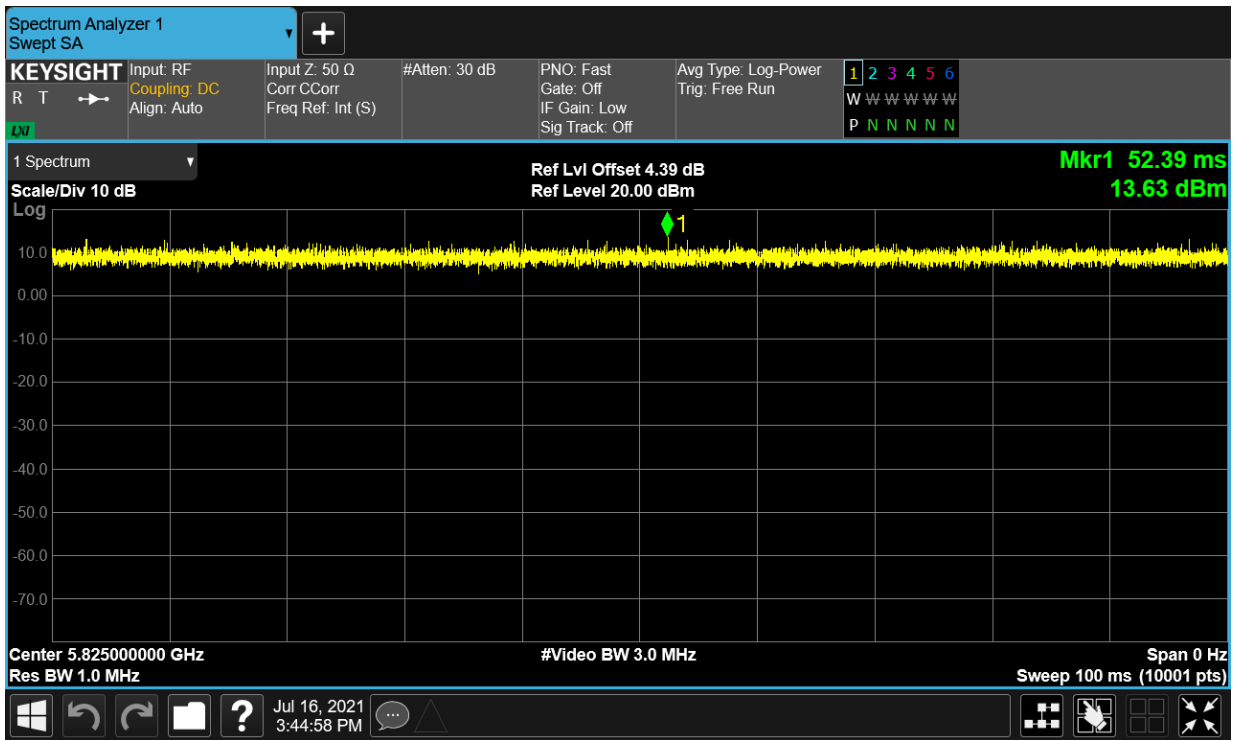
Duty Cycle NVNT ac20 5745MHz Ant1



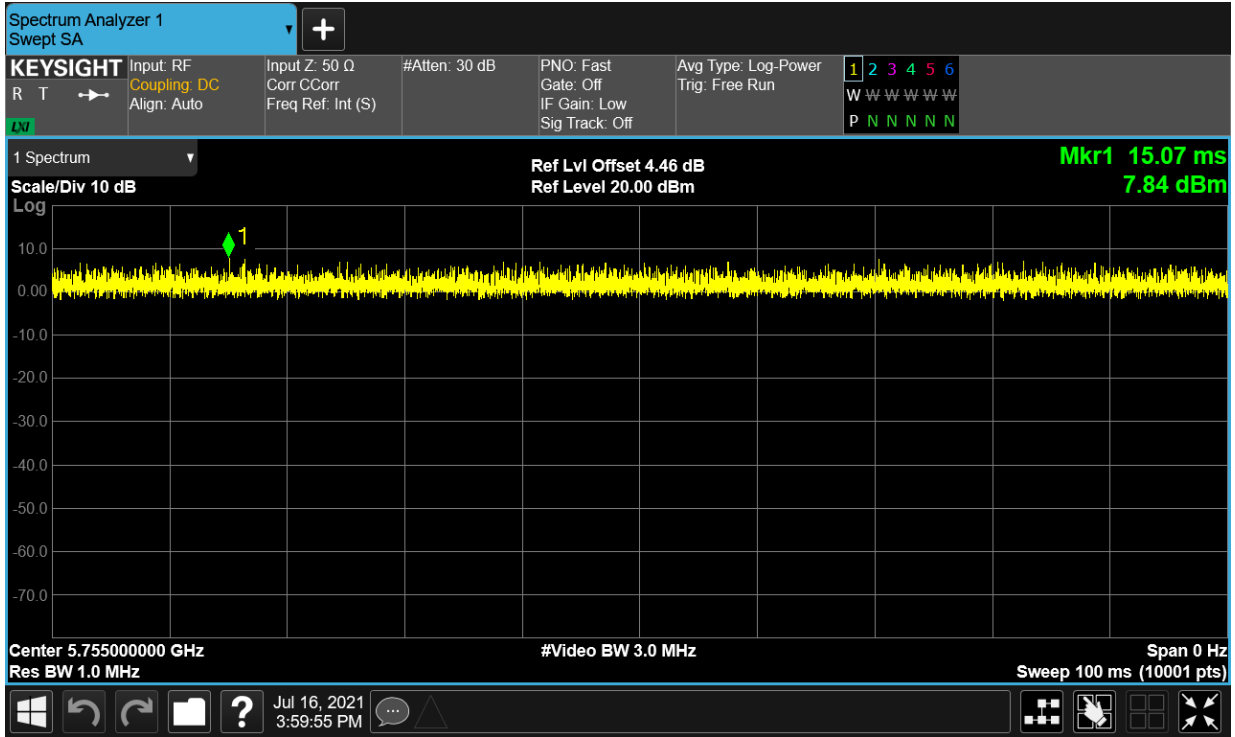
Duty Cycle NVNT ac20 5785MHz Ant1



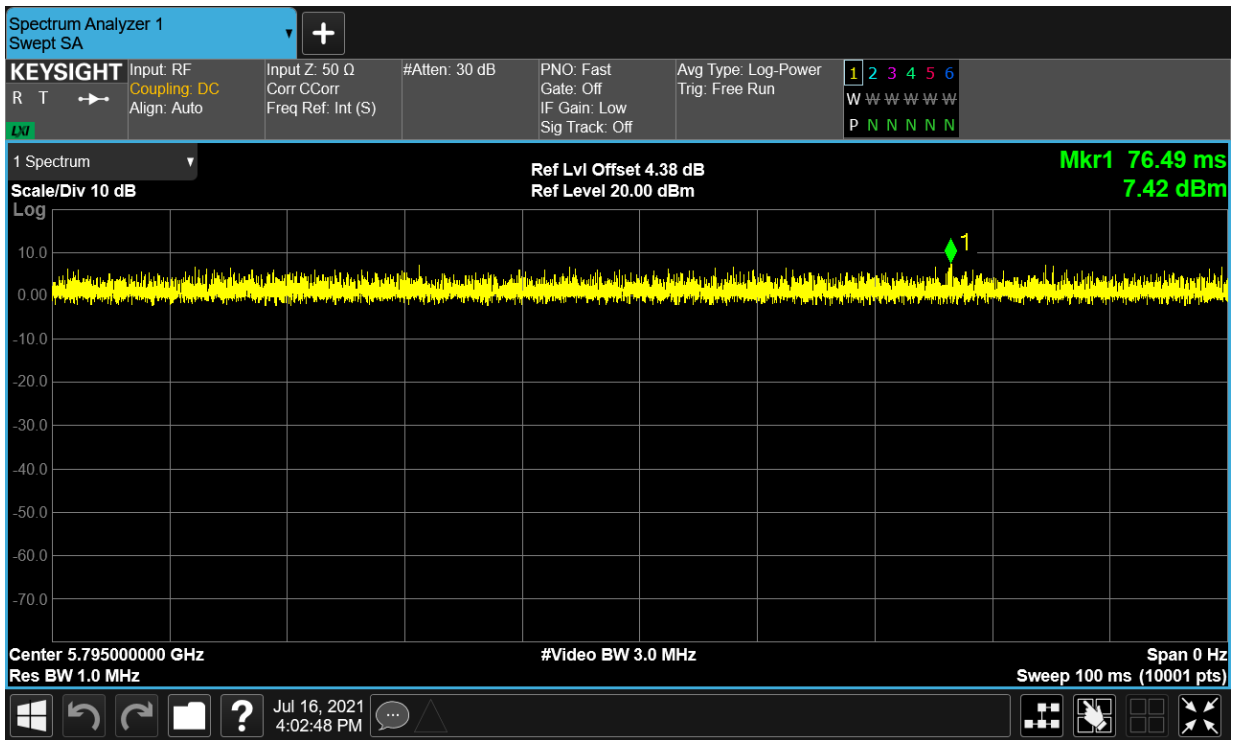
Duty Cycle NVNT ac20 5825MHz Ant1



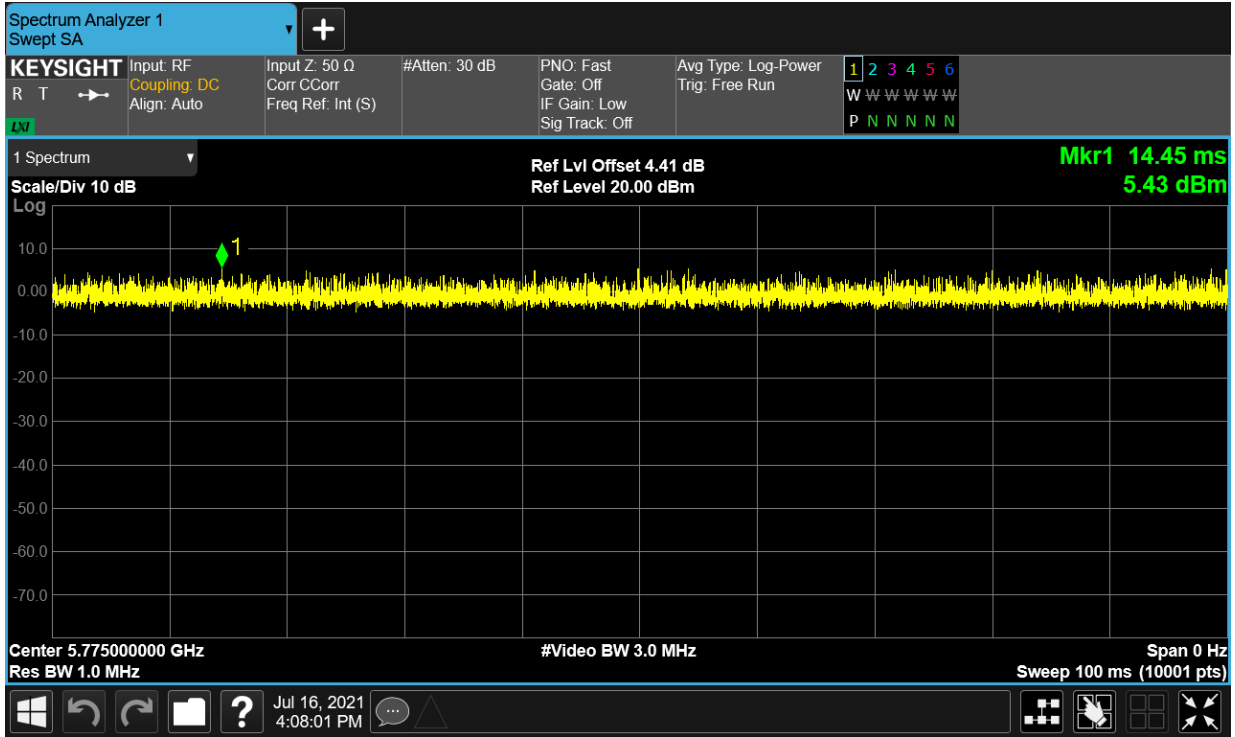
Duty Cycle NVNT ac40 5755MHz Ant1



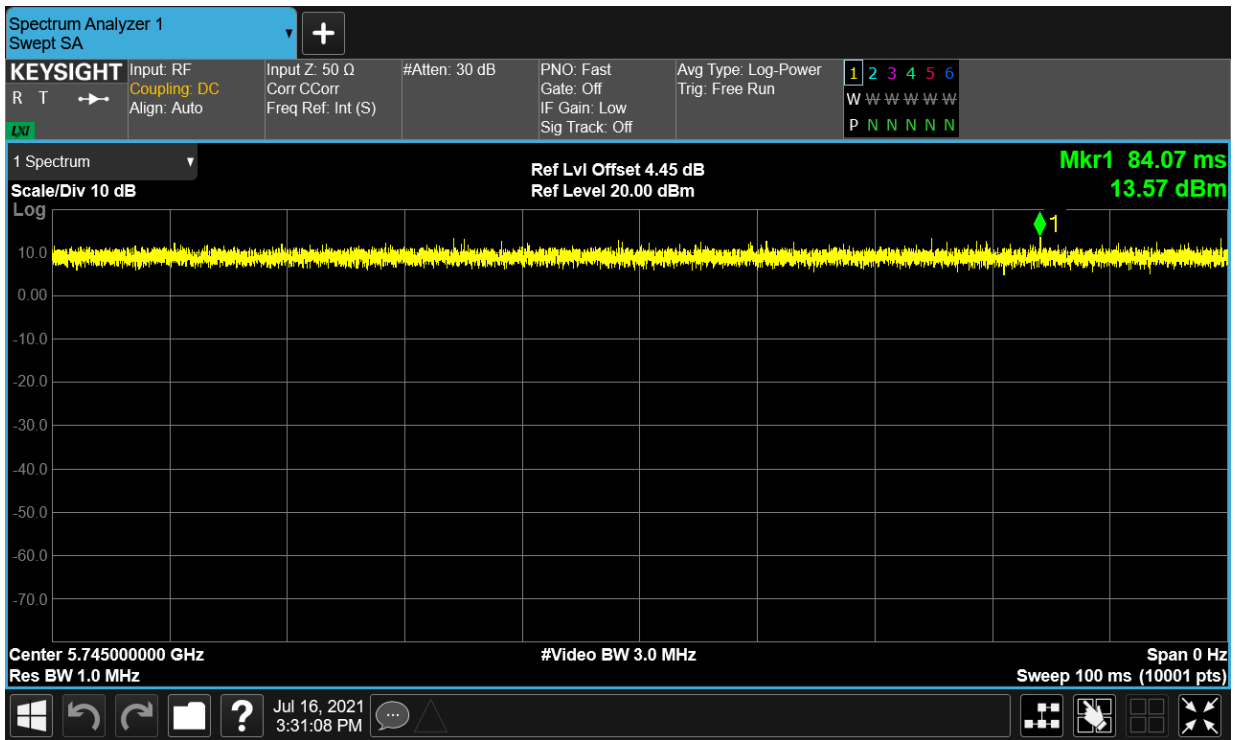
Duty Cycle NVNT ac40 5795MHz Ant1



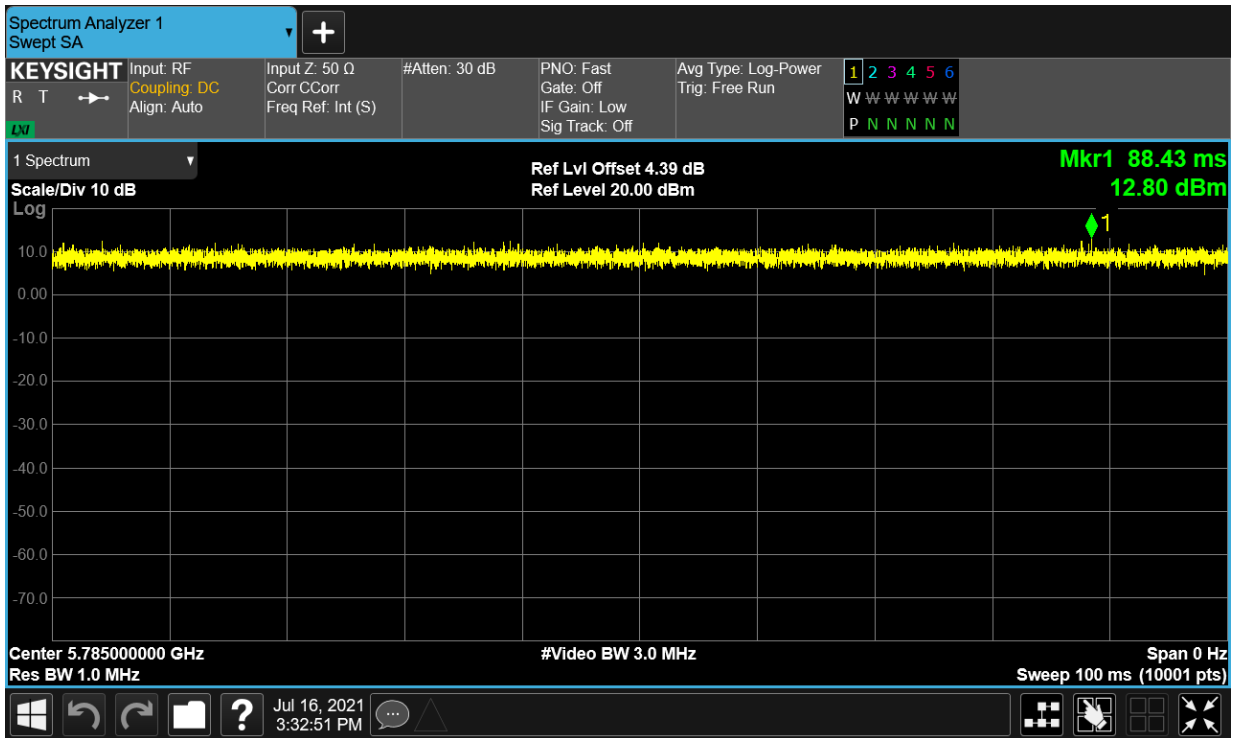
Duty Cycle NVNT ac80 5775MHz Ant1



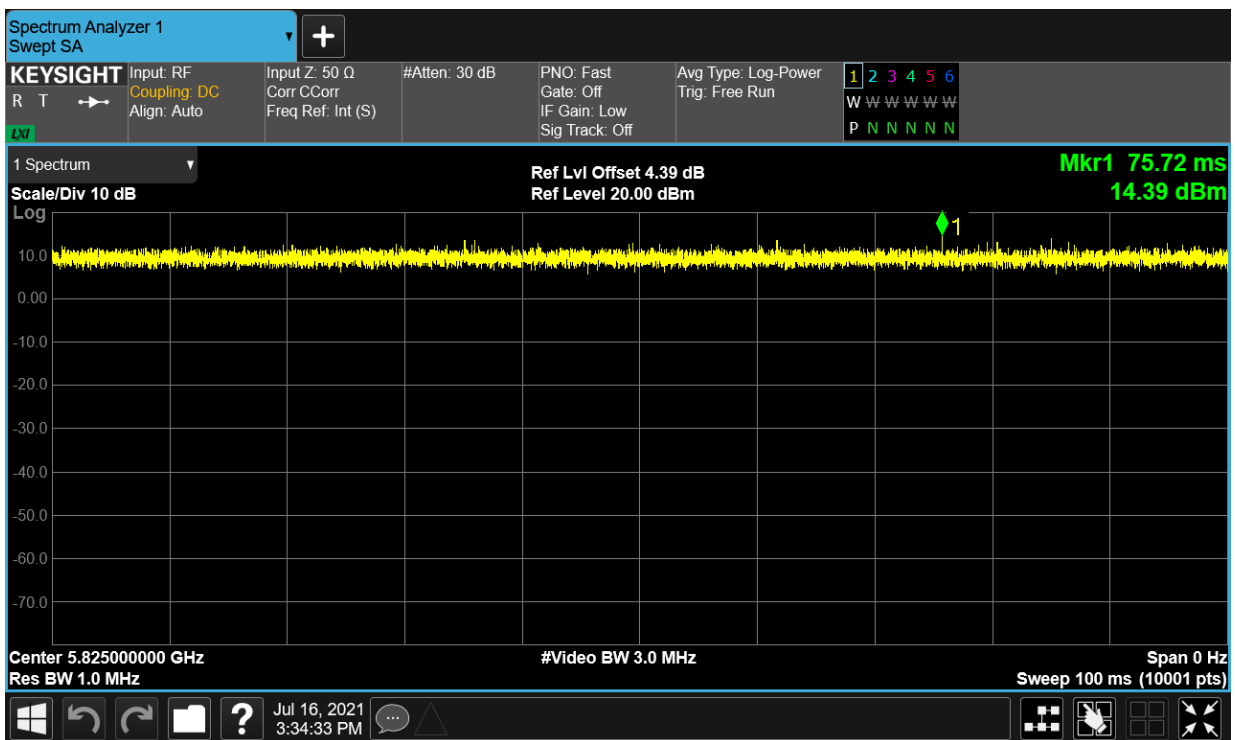
Duty Cycle NVNT n20 5745MHz Ant1



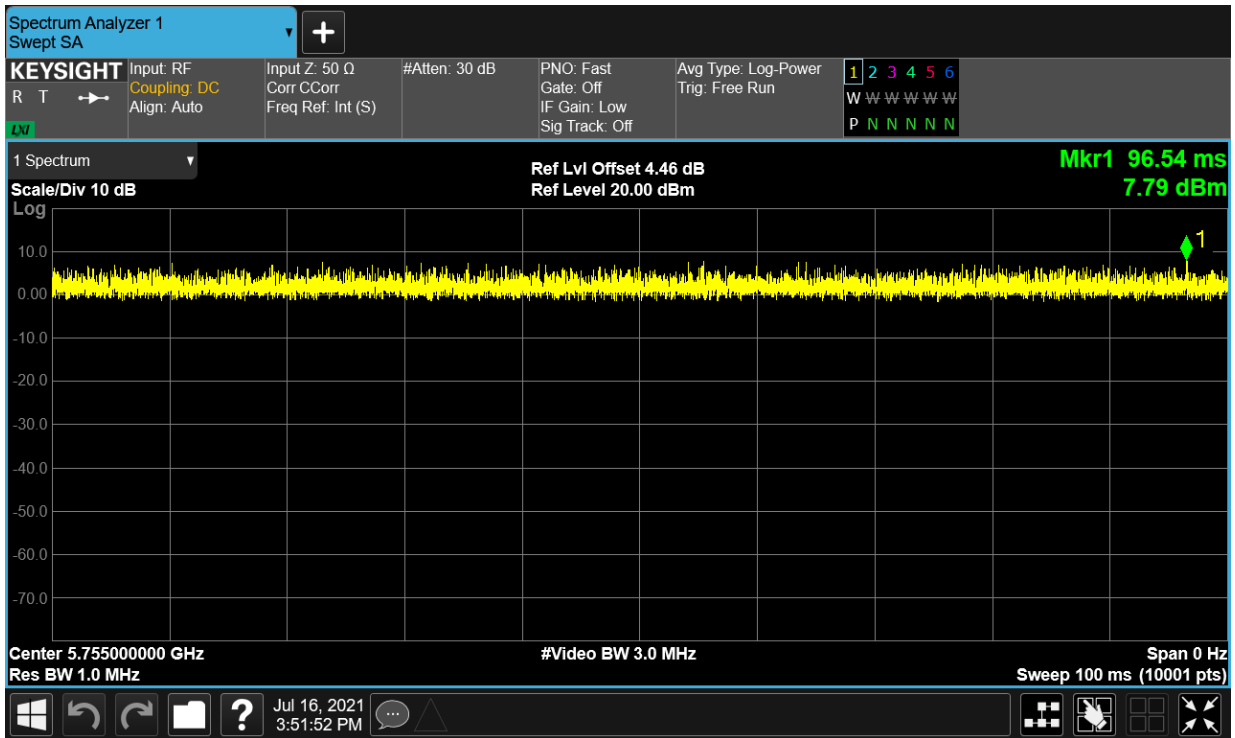
Duty Cycle NVNT n20 5785MHz Ant1



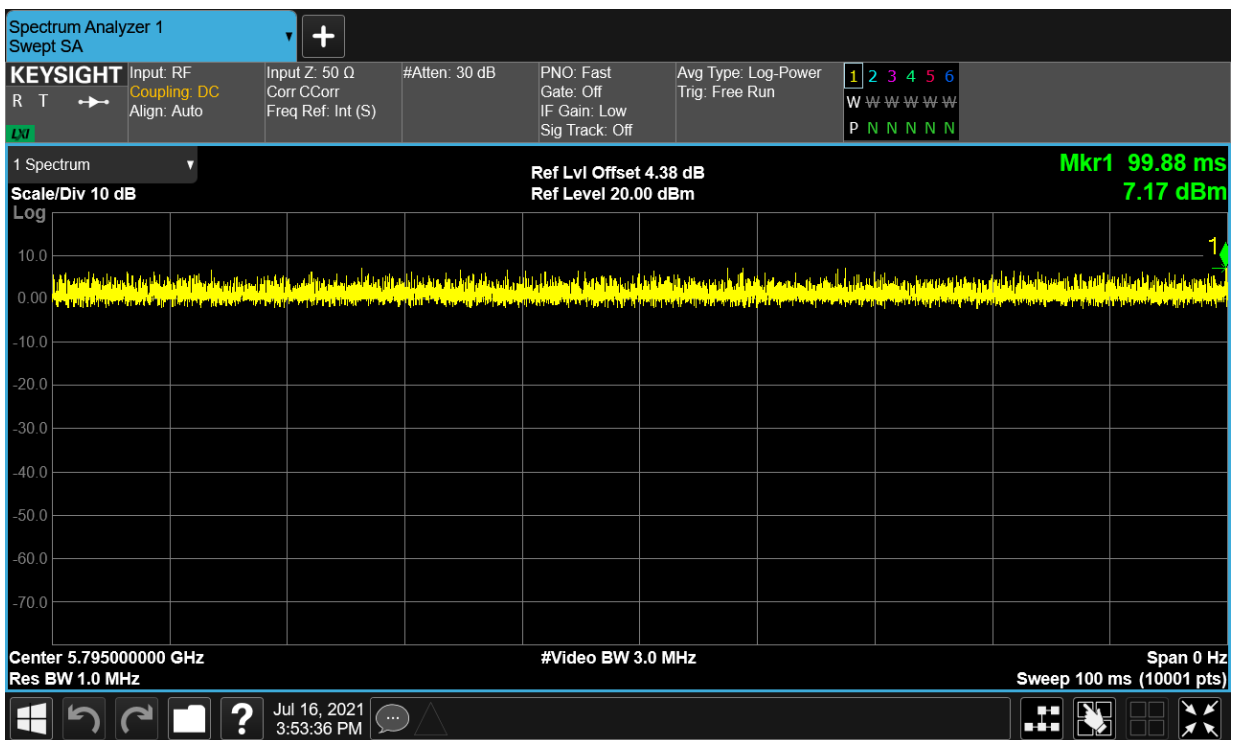
Duty Cycle NVNT n20 5825MHz Ant1



Duty Cycle NVNT n40 5755MHz Ant1



Duty Cycle NVNT n40 5795MHz Ant1



Maximum Conducted Output Power

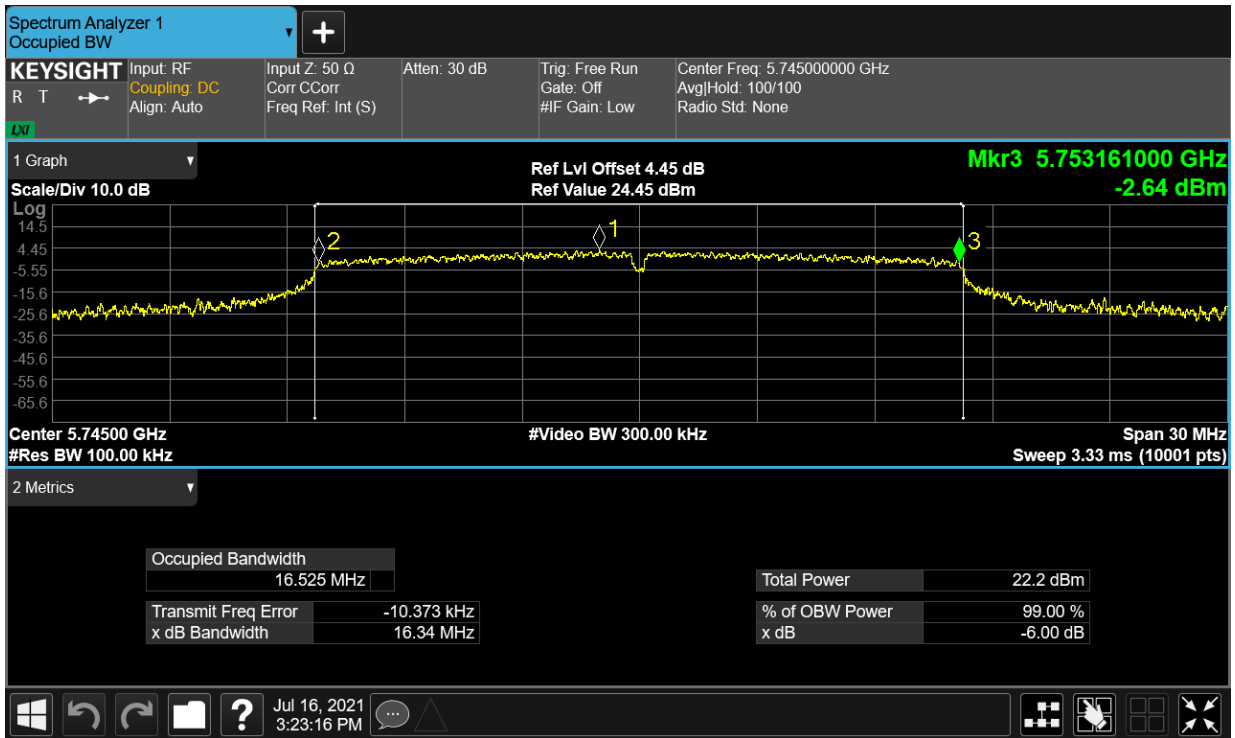
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	16.06	0	16.06	30	Pass
NVNT	a	5785	Ant1	16.54	0	16.54	30	Pass

NVNT	a	5825	Ant1	17.22	0	17.22	30	Pass
NVNT	ac20	5745	Ant1	14.92	0	14.92	30	Pass
NVNT	ac20	5785	Ant1	15.5	0	15.5	30	Pass
NVNT	ac20	5825	Ant1	15.77	0	15.77	30	Pass
NVNT	ac40	5755	Ant1	14.51	0	14.51	30	Pass
NVNT	ac40	5795	Ant1	14.33	0	14.33	30	Pass
NVNT	ac80	5775	Ant1	15.49	0	15.49	30	Pass
NVNT	n20	5745	Ant1	15.08	0	15.08	30	Pass
NVNT	n20	5785	Ant1	15.48	0	15.48	30	Pass
NVNT	n20	5825	Ant1	16.29	0	16.29	30	Pass
NVNT	n40	5755	Ant1	14.7	0	14.7	30	Pass
NVNT	n40	5795	Ant1	14.38	0	14.38	30	Pass

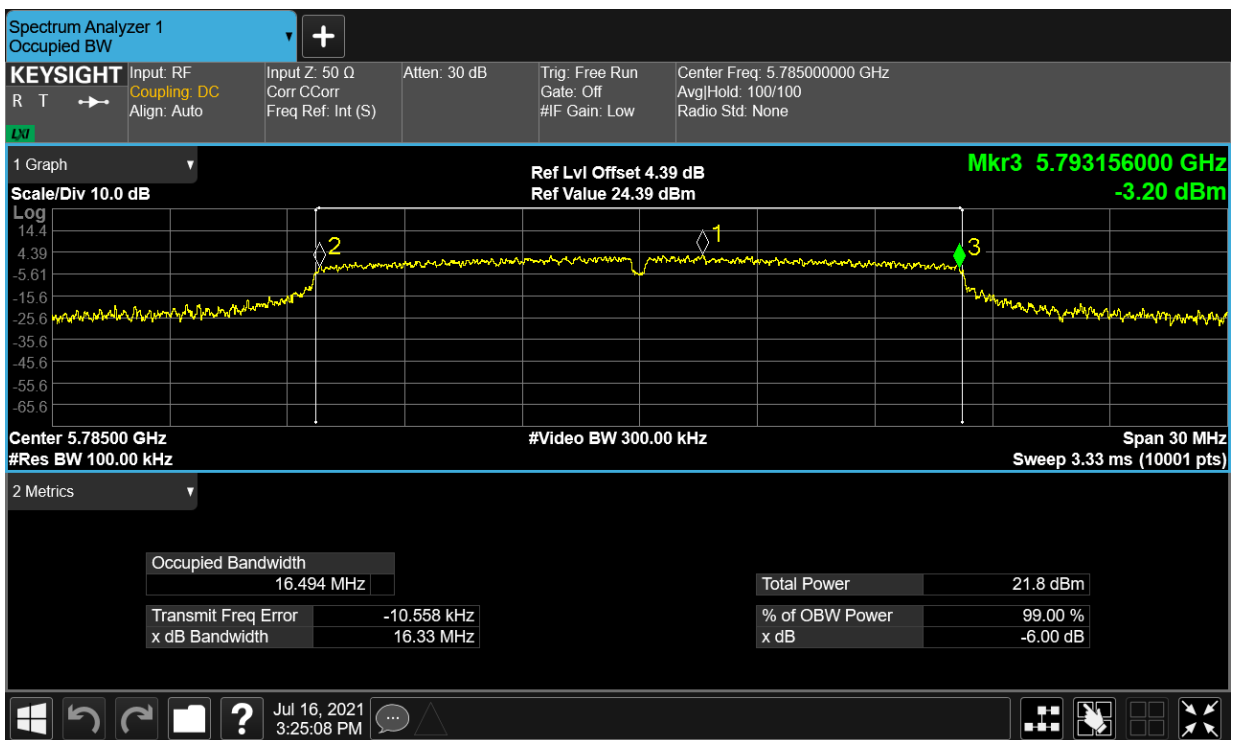
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.343	0.5	Pass
NVNT	a	5785	Ant1	16.332	0.5	Pass
NVNT	a	5825	Ant1	16.322	0.5	Pass
NVNT	ac20	5745	Ant1	17.561	0.5	Pass
NVNT	ac20	5785	Ant1	17.556	0.5	Pass
NVNT	ac20	5825	Ant1	17.309	0.5	Pass
NVNT	ac40	5755	Ant1	36.137	0.5	Pass
NVNT	ac40	5795	Ant1	36.325	0.5	Pass
NVNT	ac80	5775	Ant1	76.334	0.5	Pass
NVNT	n20	5745	Ant1	17.58	0.5	Pass
NVNT	n20	5785	Ant1	17.544	0.5	Pass
NVNT	n20	5825	Ant1	17.538	0.5	Pass
NVNT	n40	5755	Ant1	36.297	0.5	Pass
NVNT	n40	5795	Ant1	36.059	0.5	Pass

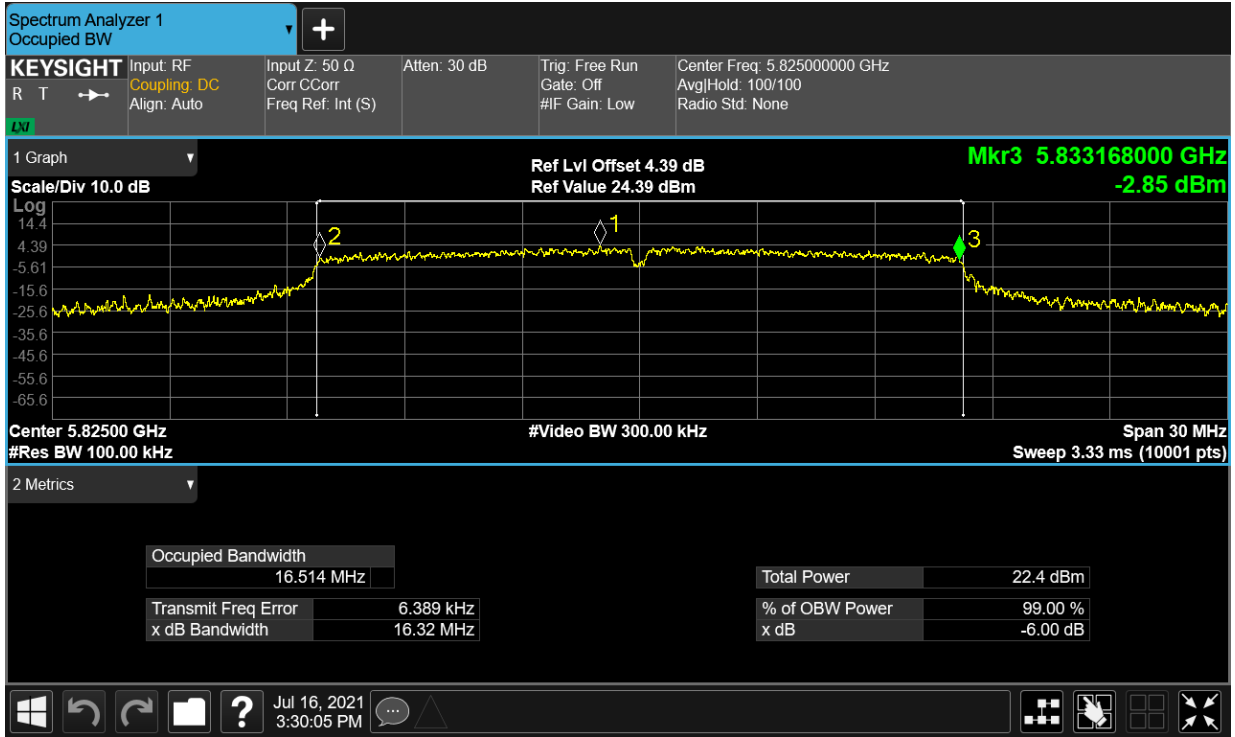
-6dB Bandwidth NVNT a 5745MHz Ant1



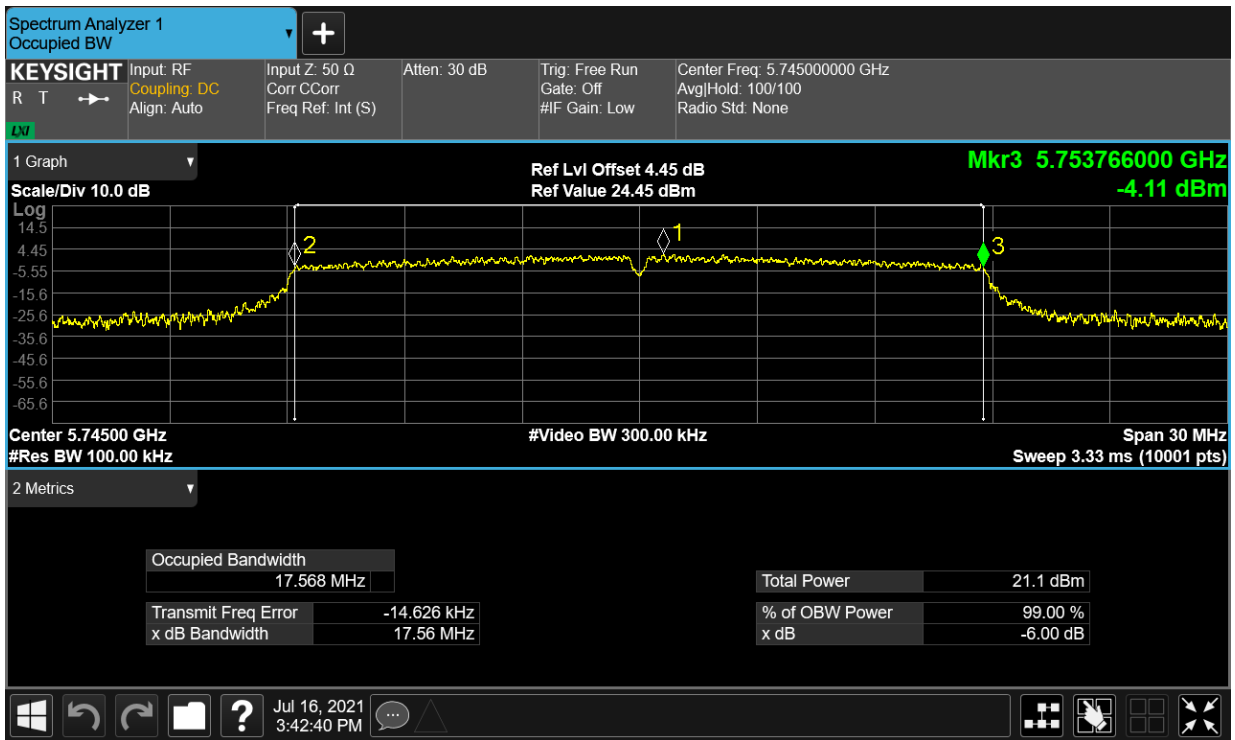
-6dB Bandwidth NVNT a 5785MHz Ant1



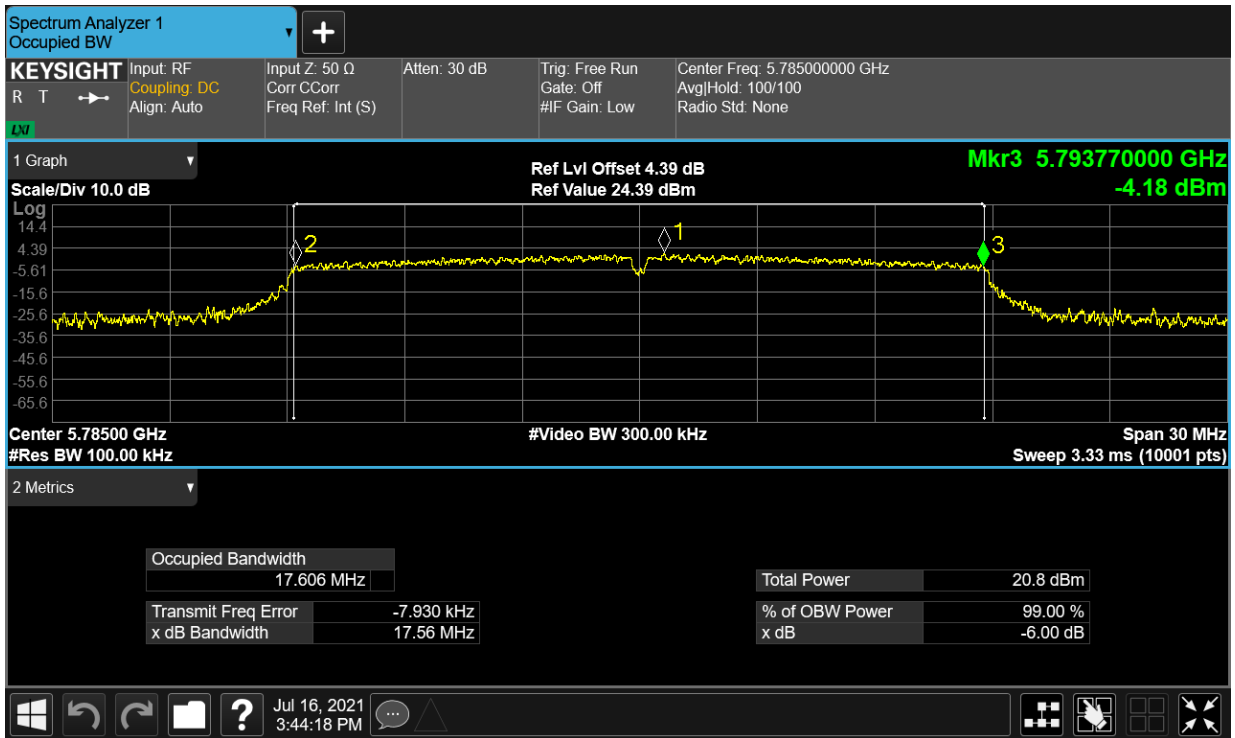
-6dB Bandwidth NVNT a 5825MHz Ant1



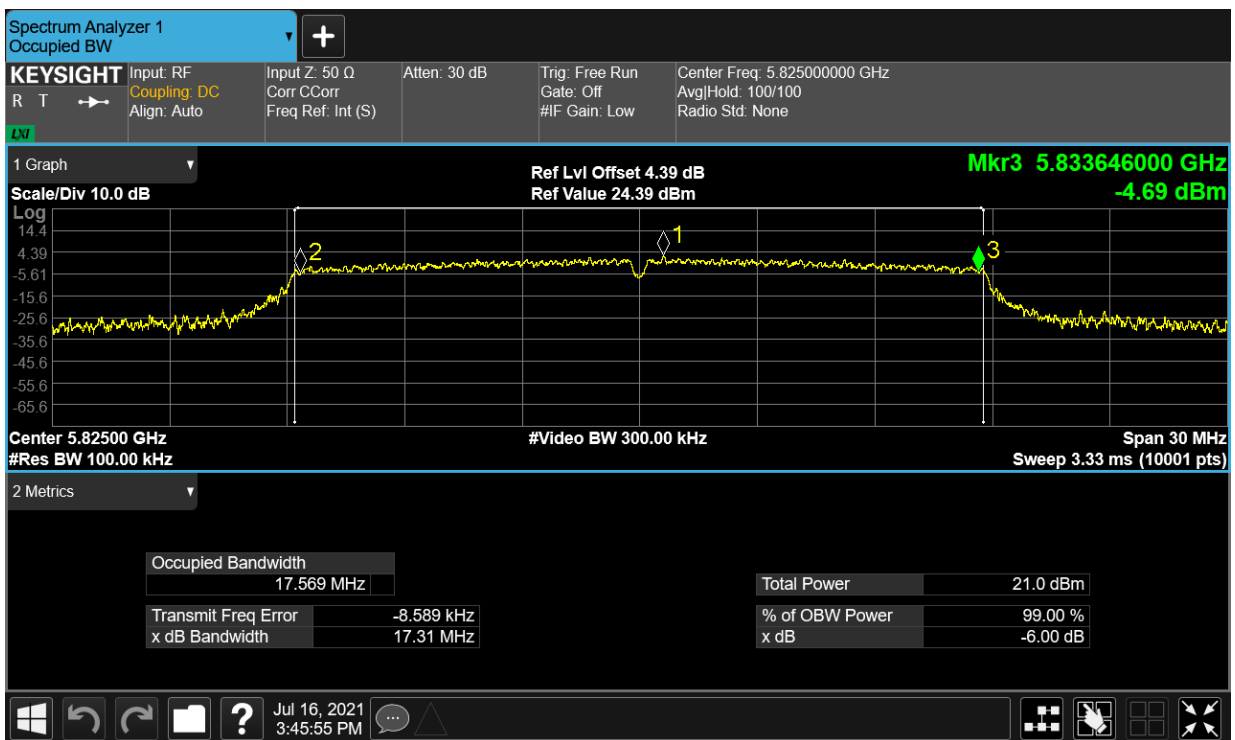
-6dB Bandwidth NVNT ac20 5745MHz Ant1



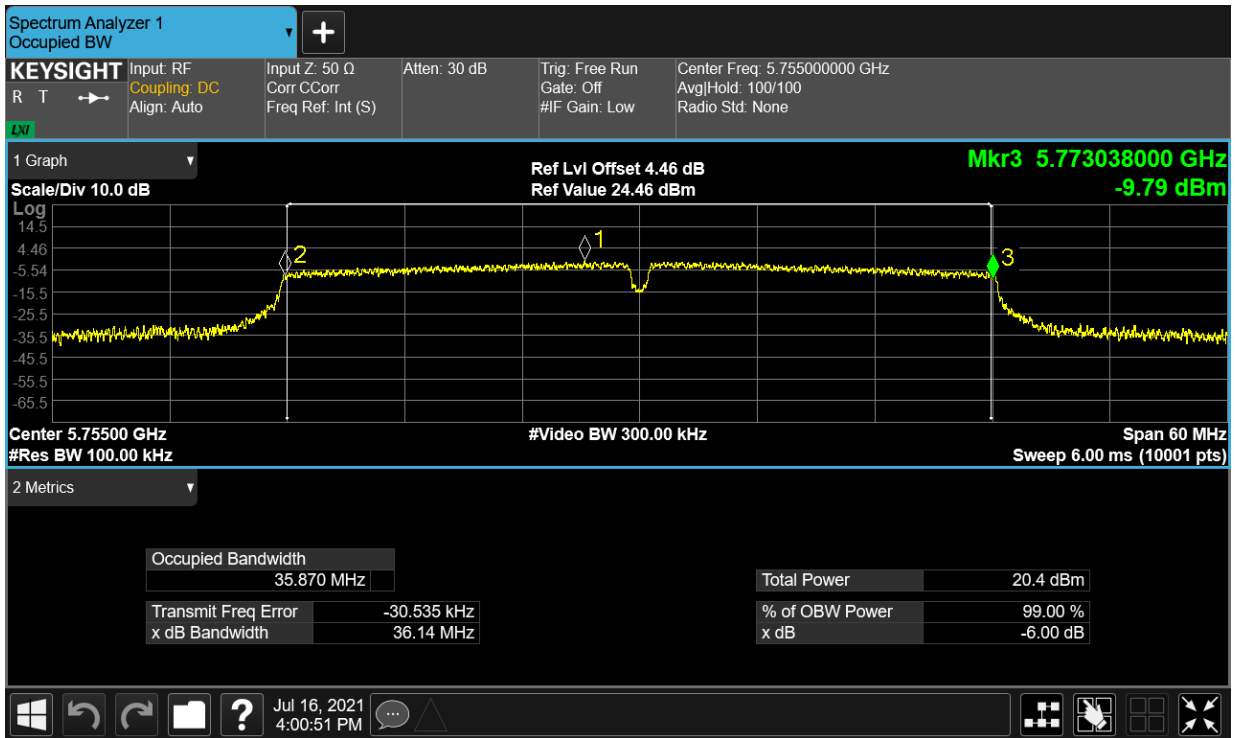
-6dB Bandwidth NVNT ac20 5785MHz Ant1



-6dB Bandwidth NVNT ac20 5825MHz Ant1



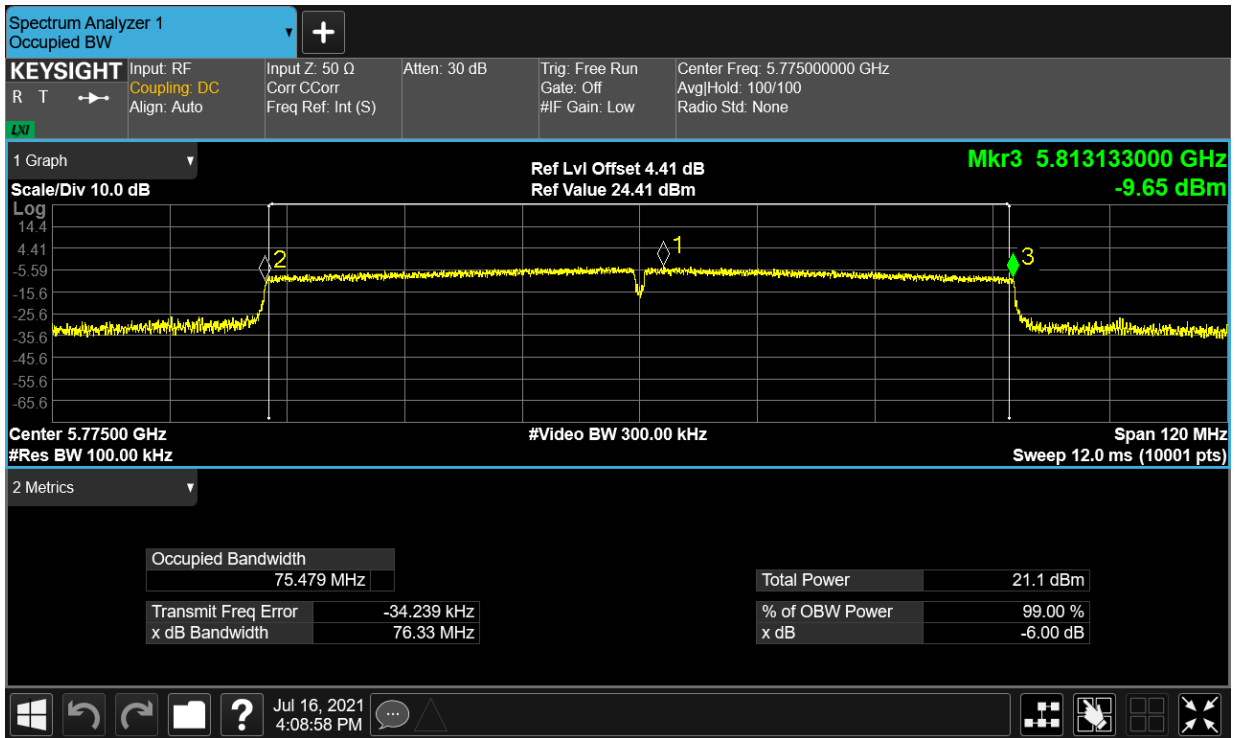
-6dB Bandwidth NVNT ac40 5755MHz Ant1



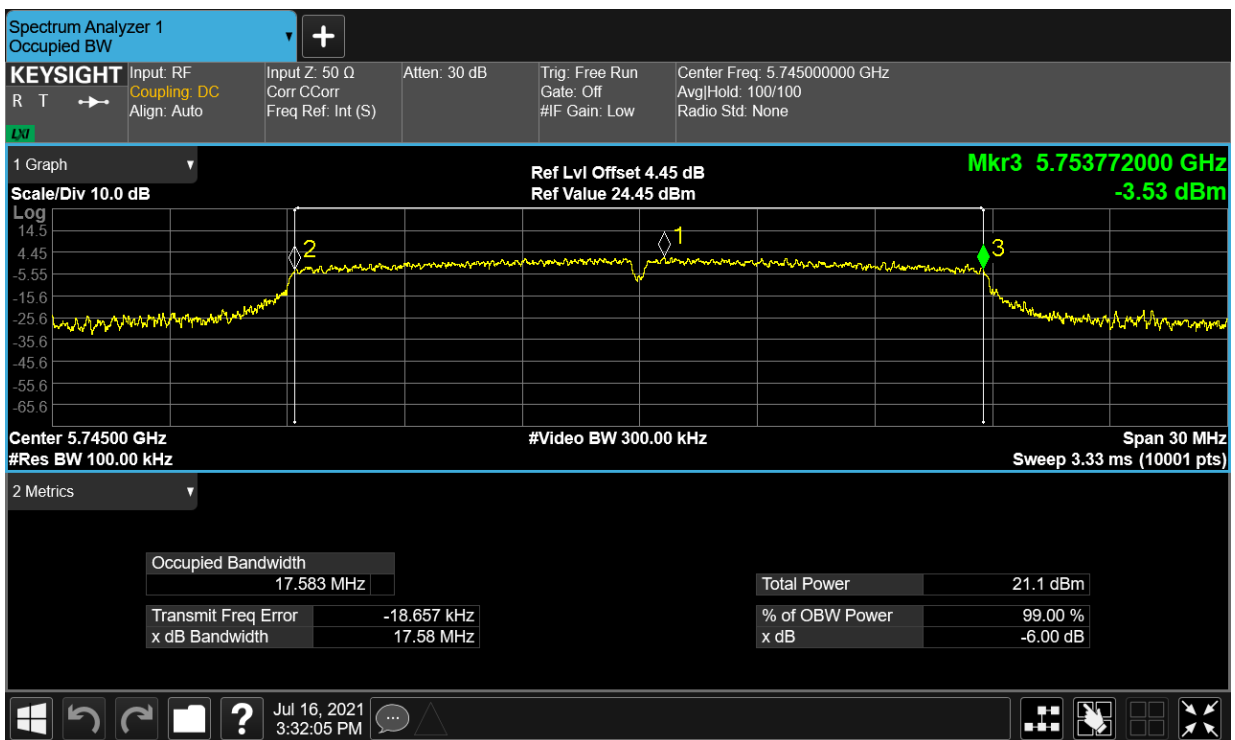
-6dB Bandwidth NVNT ac40 5795MHz Ant1



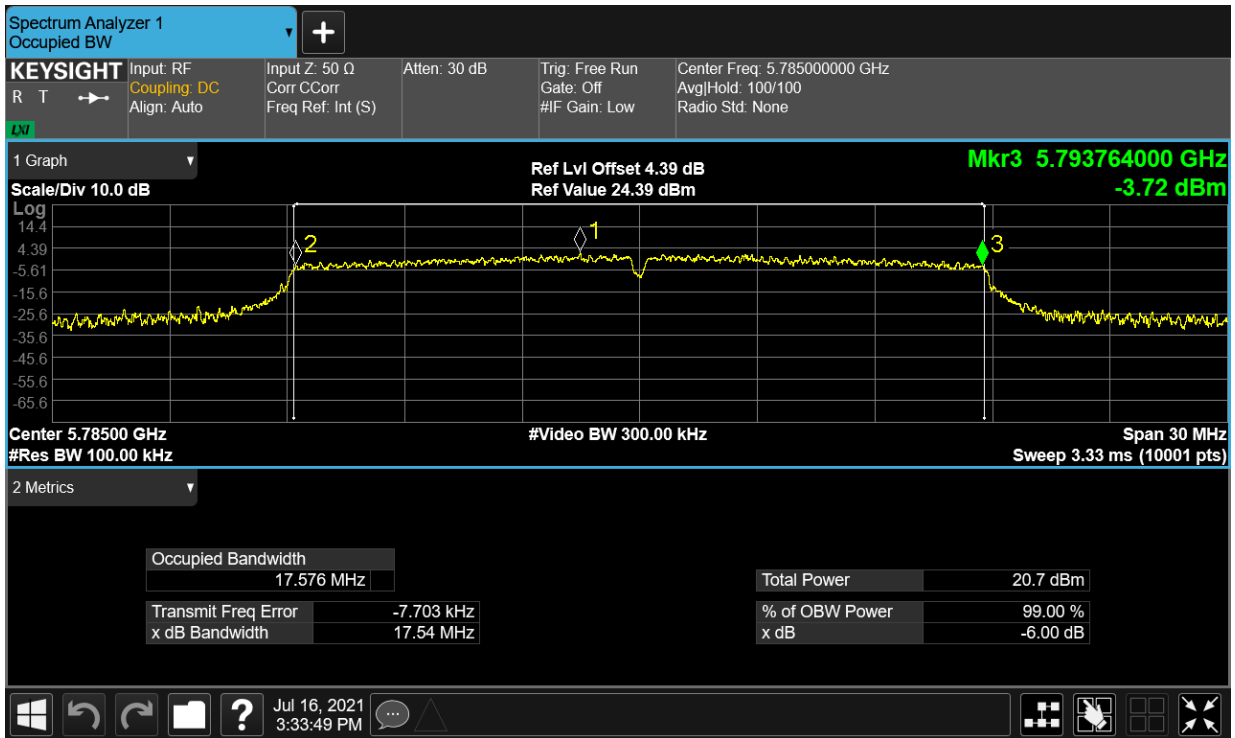
-6dB Bandwidth NVNT ac80 5775MHz Ant1



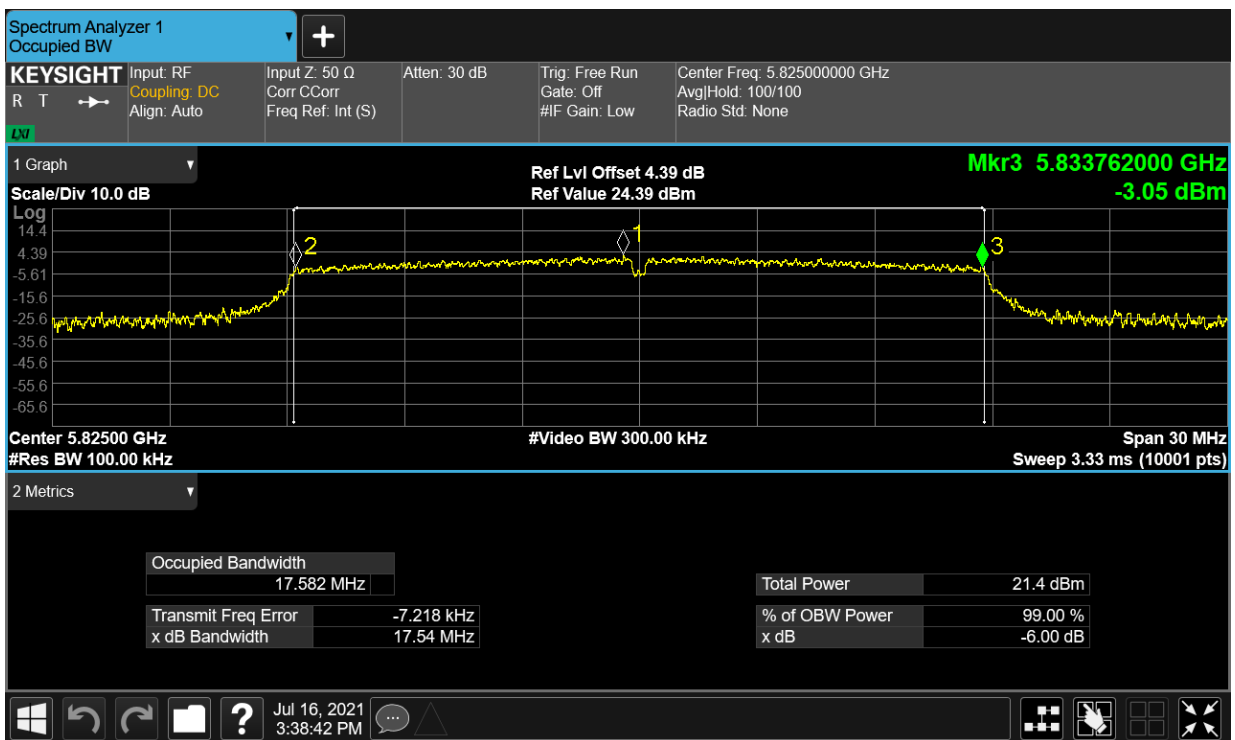
-6dB Bandwidth NVNT n20 5745MHz Ant1



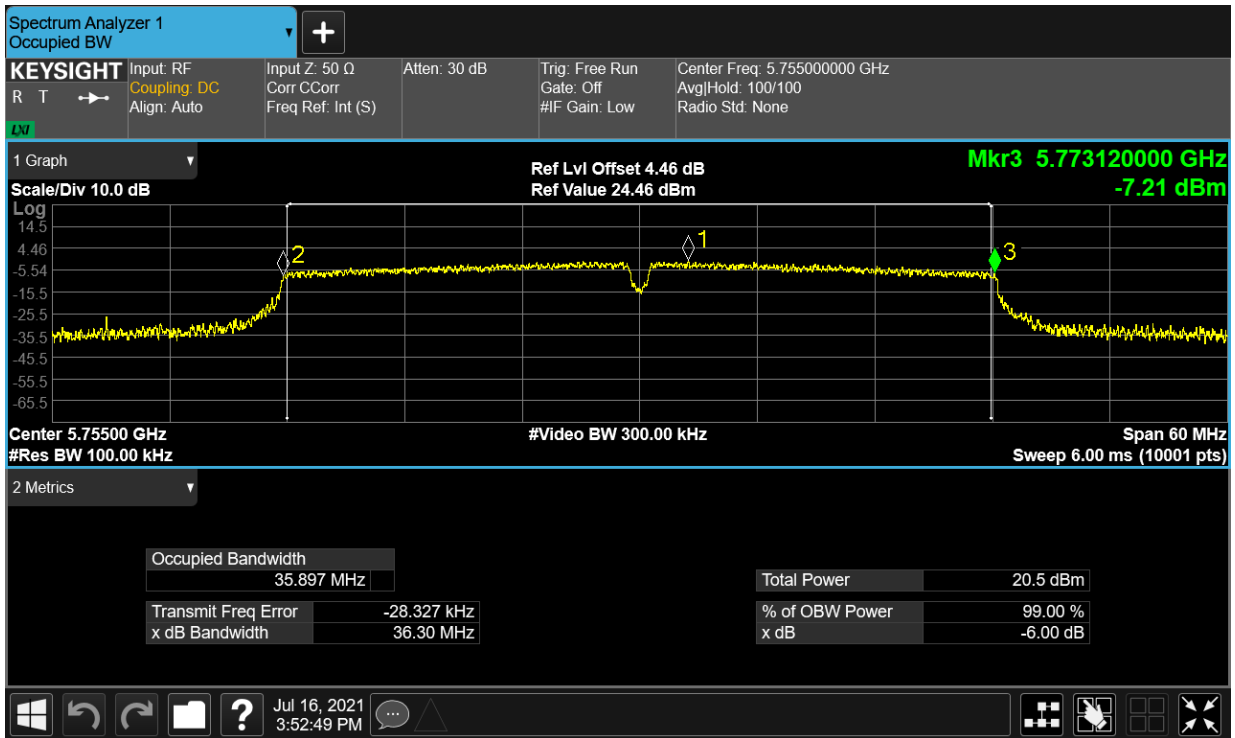
-6dB Bandwidth NVNT n20 5785MHz Ant1



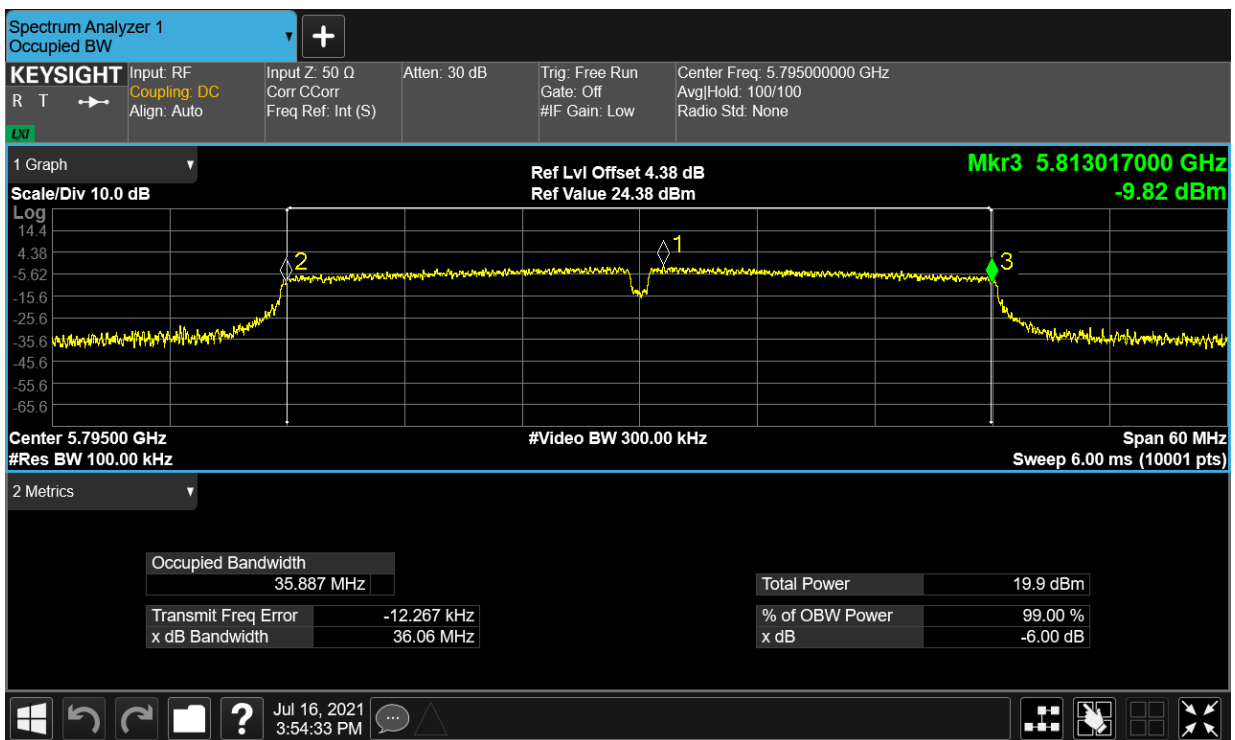
-6dB Bandwidth NVNT n20 5825MHz Ant1



-6dB Bandwidth NVNT n40 5755MHz Ant1



-6dB Bandwidth NVNT n40 5795MHz Ant1

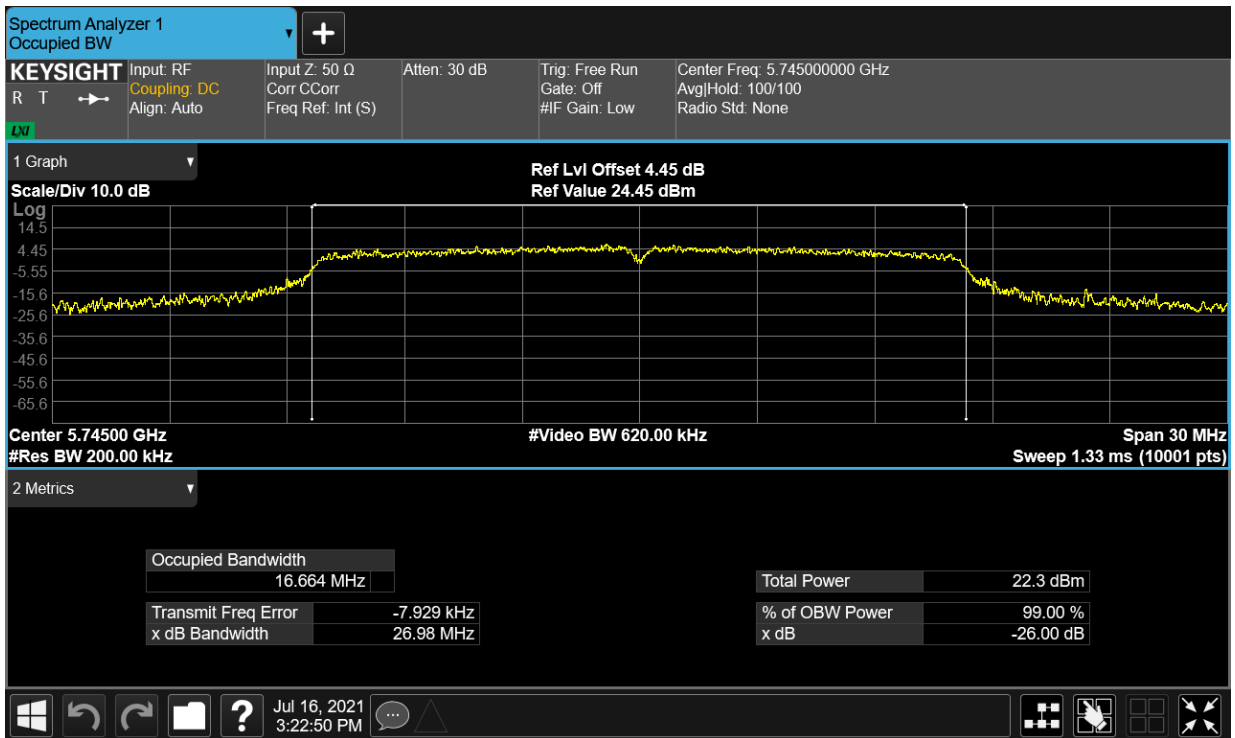


Occupied Channel Bandwidth

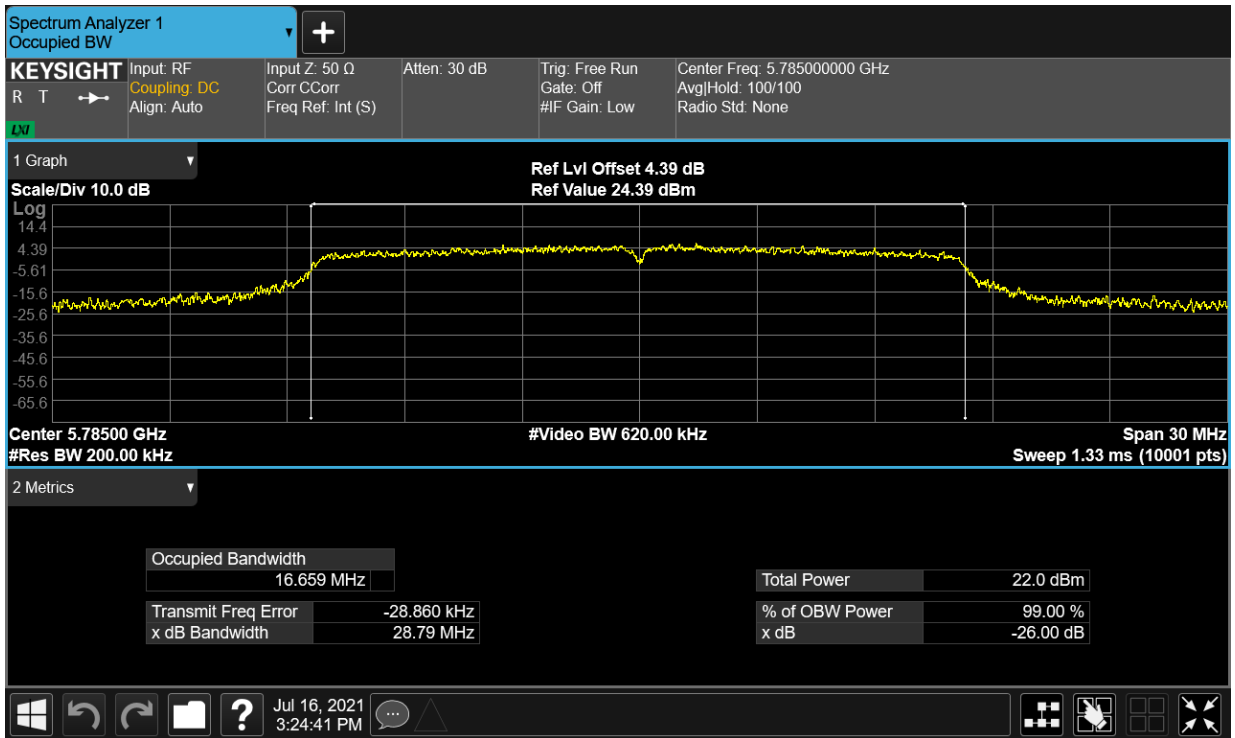
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.66381905
NVNT	a	5785	Ant1	16.6589803
NVNT	a	5825	Ant1	16.68312628

NVNT	ac20	5745	Ant1	17.60577211
NVNT	ac20	5785	Ant1	17.64088167
NVNT	ac20	5825	Ant1	17.59755798
NVNT	ac40	5755	Ant1	35.93032015
NVNT	ac40	5795	Ant1	36.01460893
NVNT	ac80	5775	Ant1	75.40070547
NVNT	n20	5745	Ant1	17.66551937
NVNT	n20	5785	Ant1	17.62450936
NVNT	n20	5825	Ant1	17.66676139
NVNT	n40	5755	Ant1	36.00095255
NVNT	n40	5795	Ant1	36.01303466

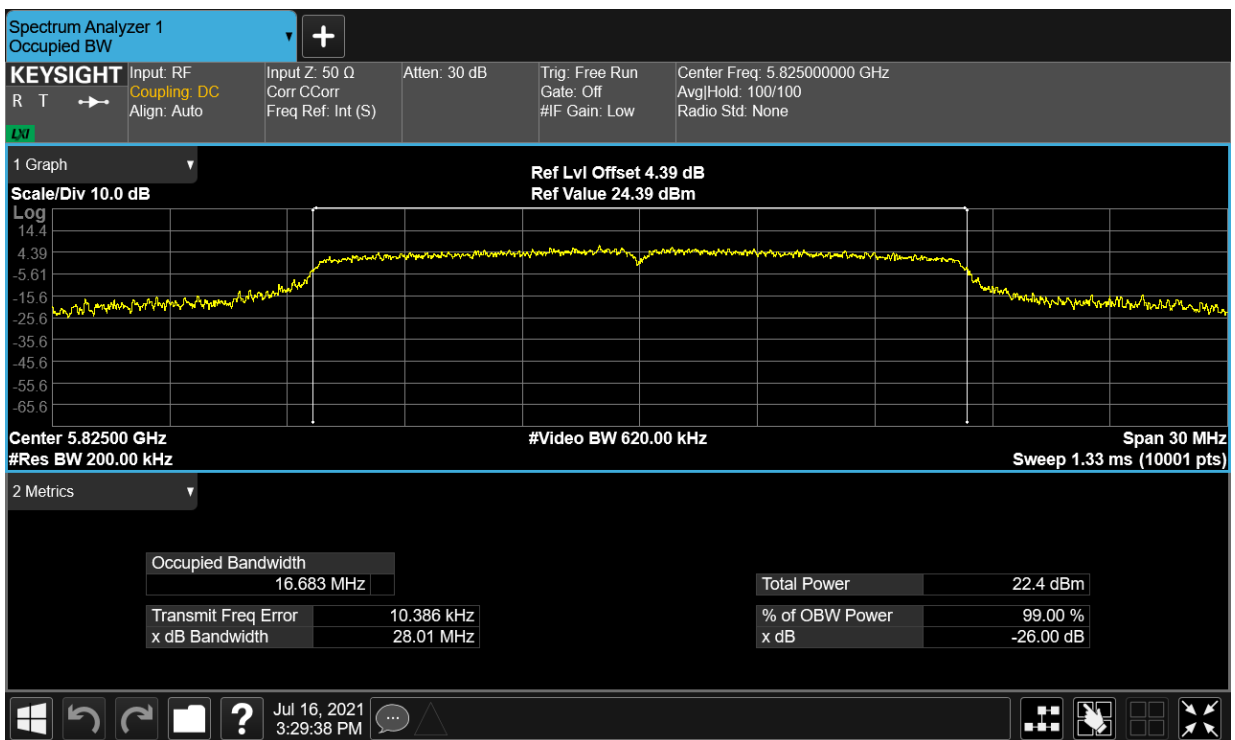
OBW NVNT a 5745MHz Ant1



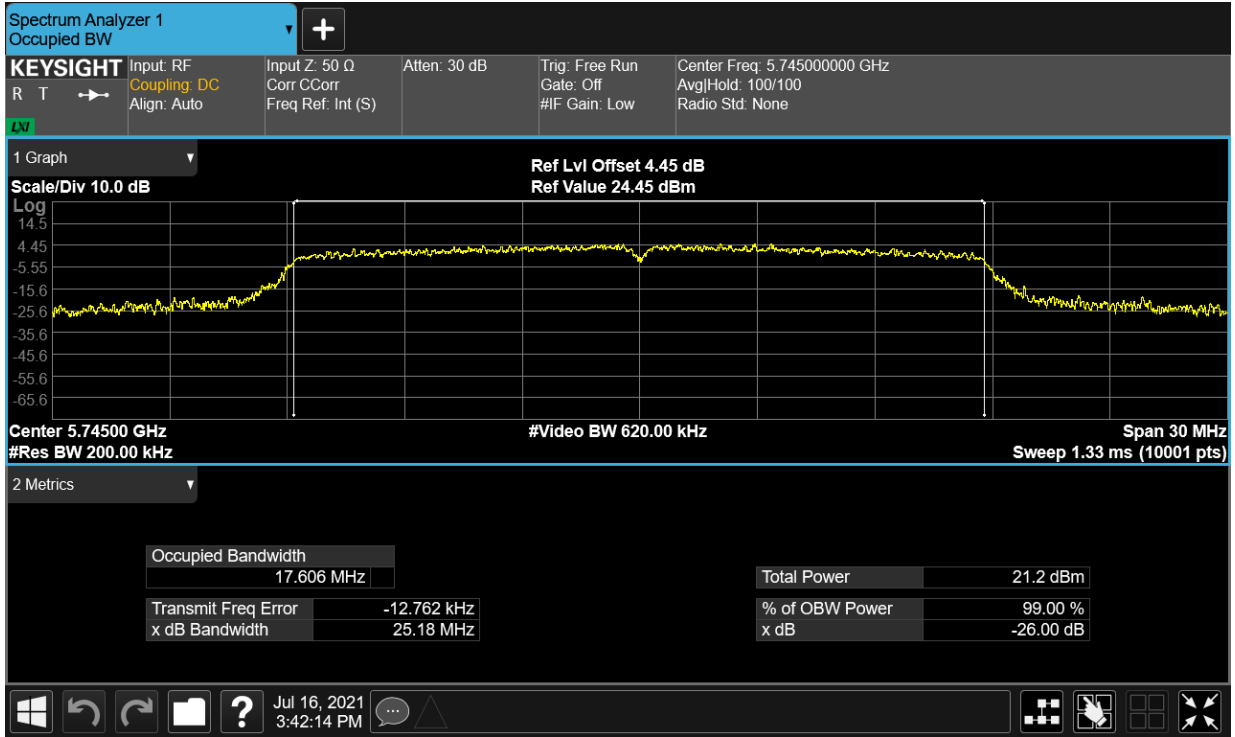
OBW NVNT a 5785MHz Ant1



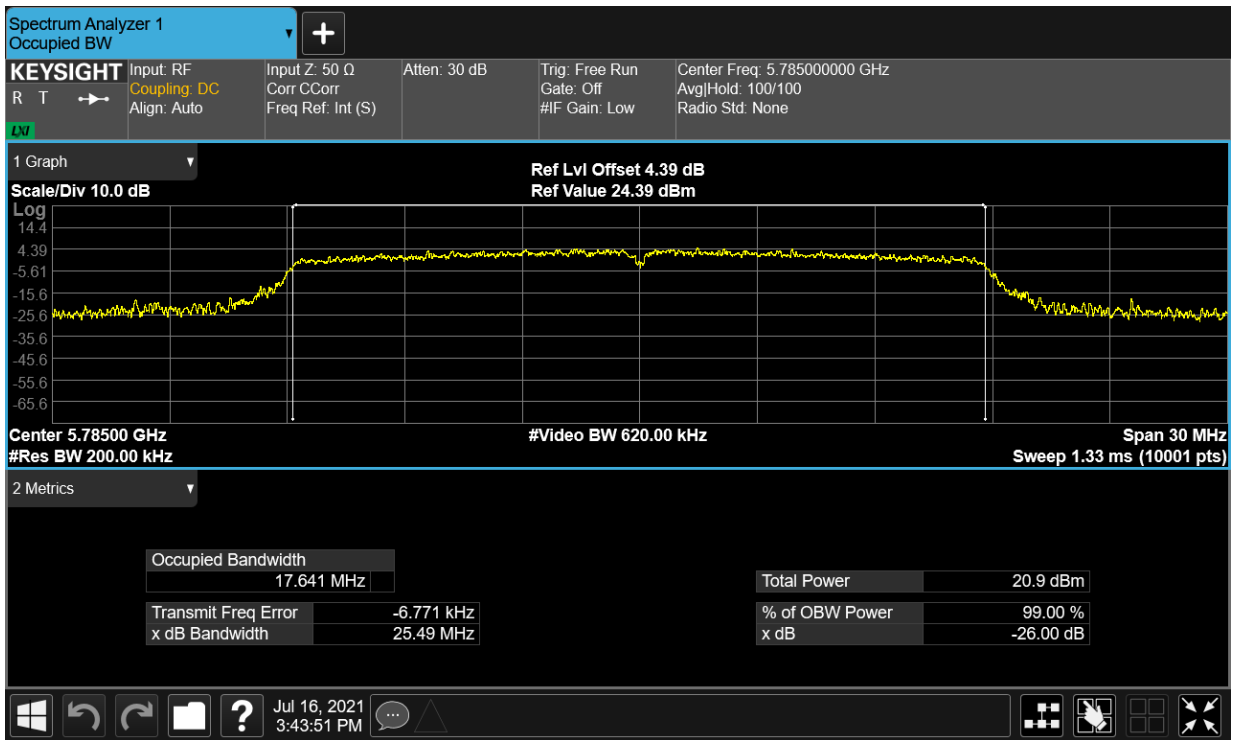
OBW NVNT a 5825MHz Ant1



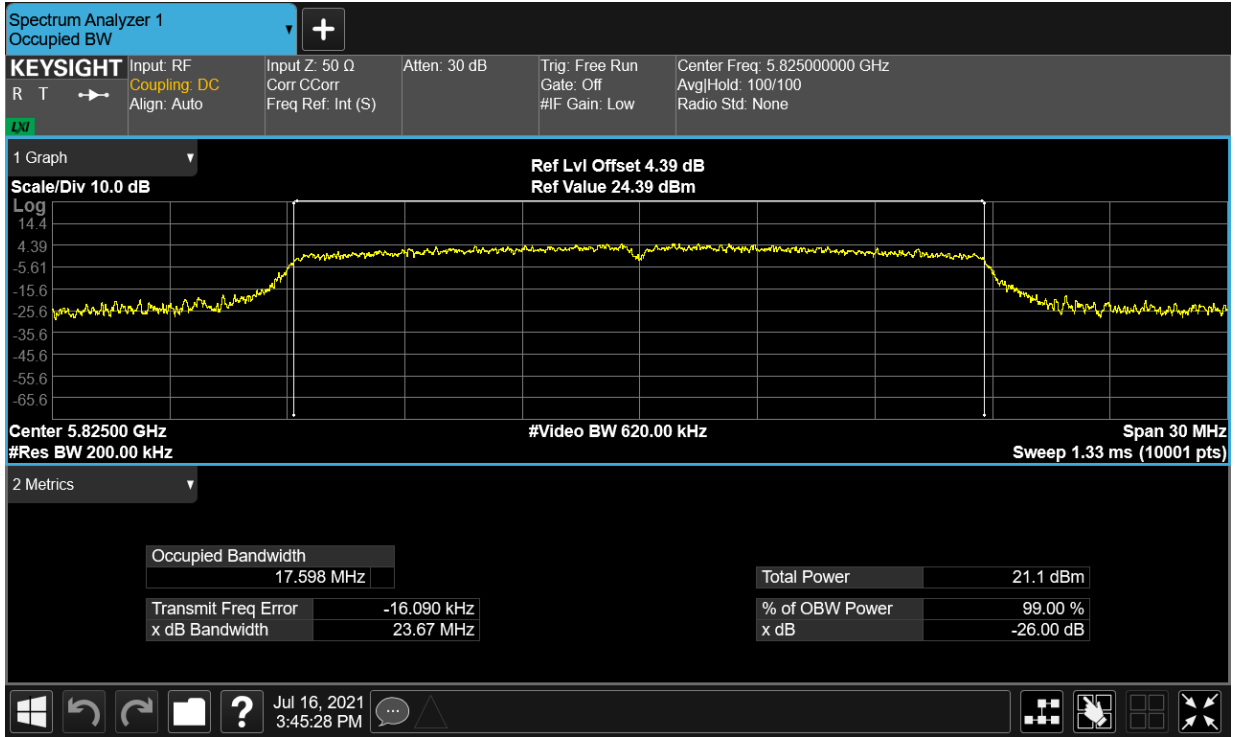
OBW NVNT ac20 5745MHz Ant1



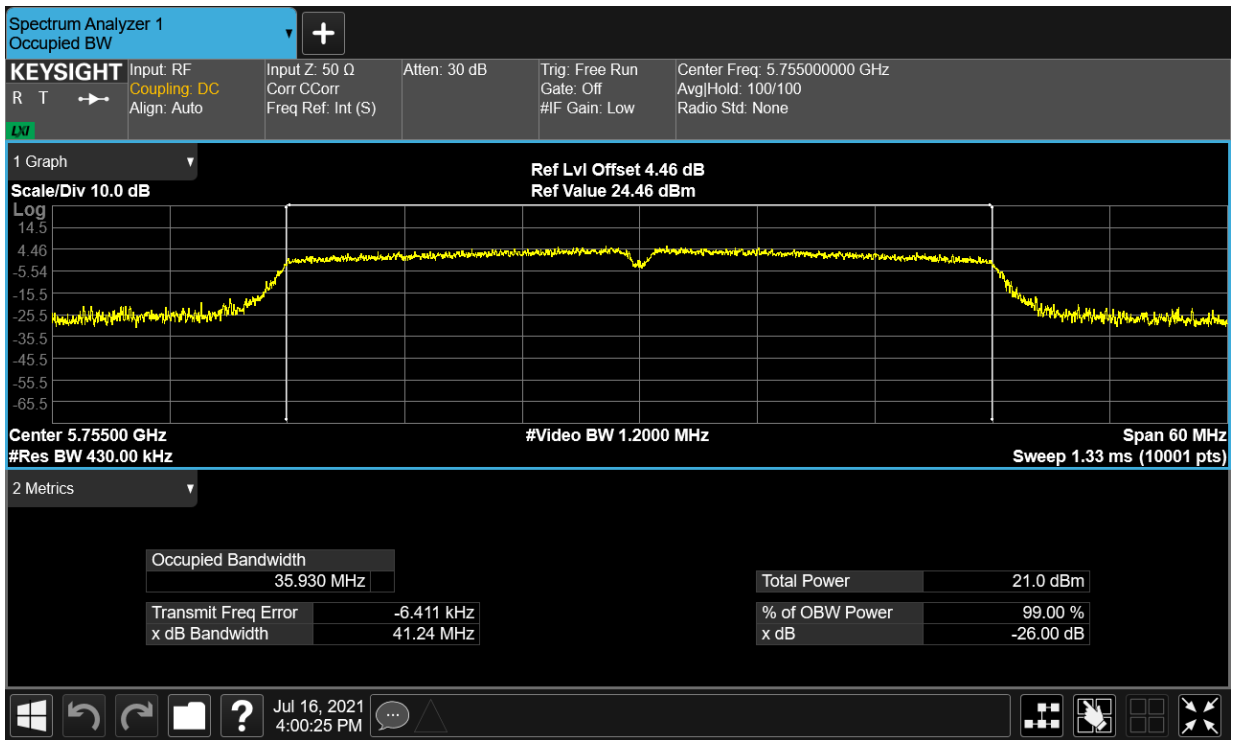
OBW NVNT ac20 5785MHz Ant1



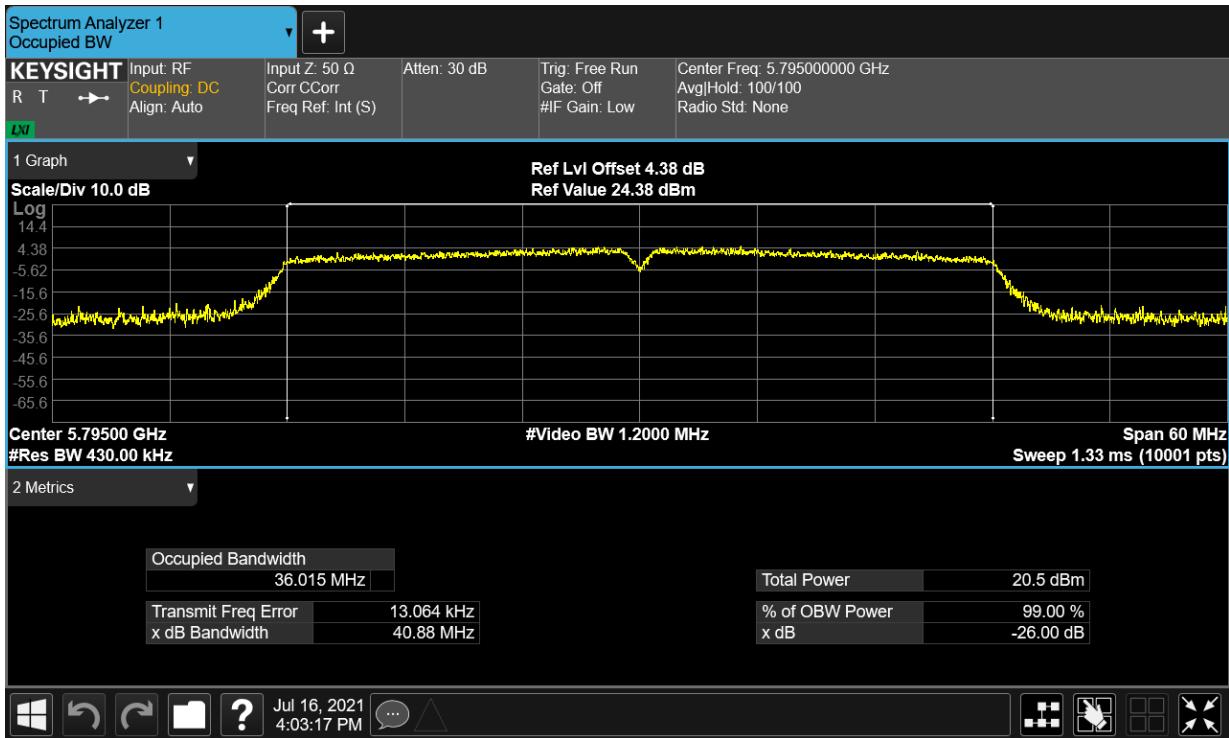
OBW NVNT ac20 5825MHz Ant1



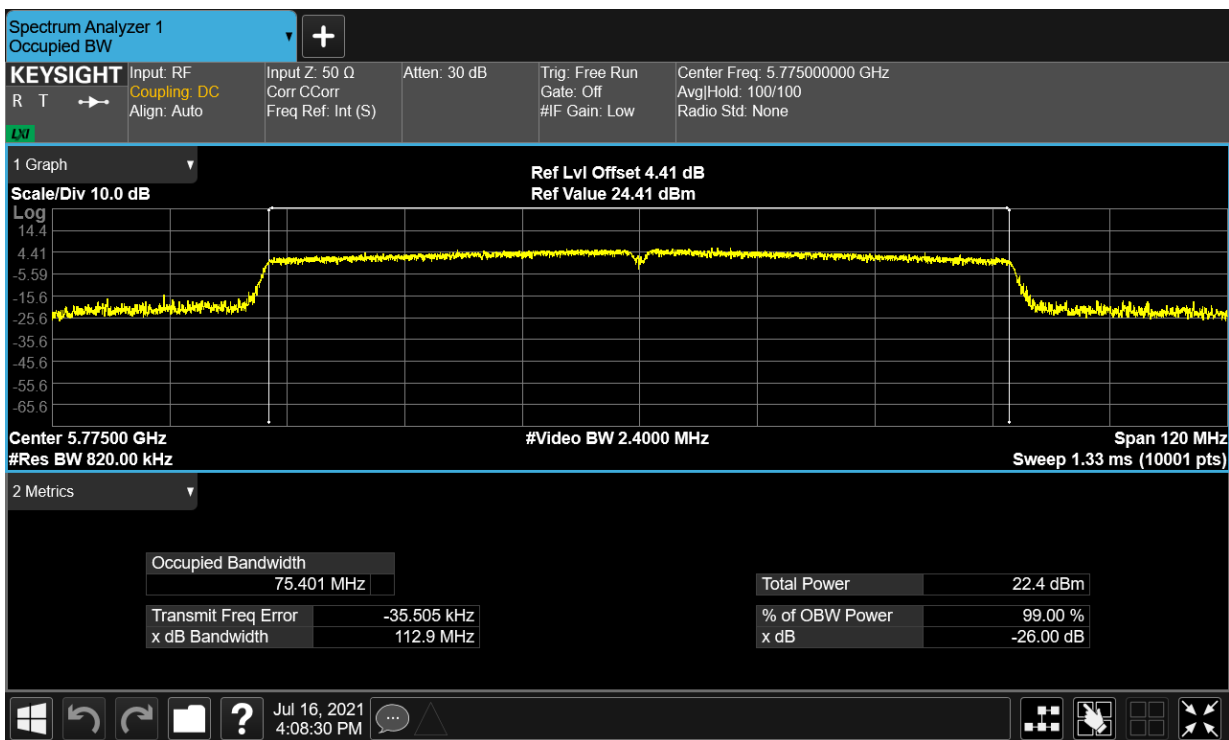
OBW NVNT ac40 5755MHz Ant1



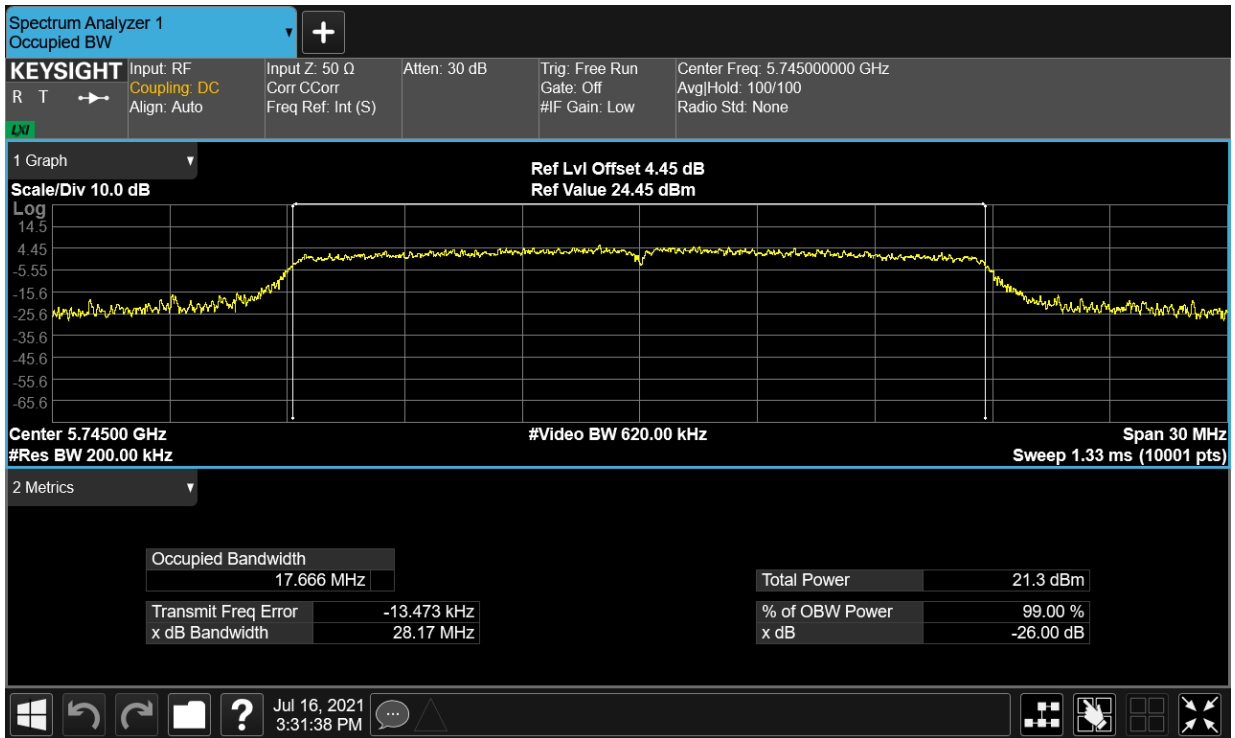
OBW NVNT ac40 5795MHz Ant1



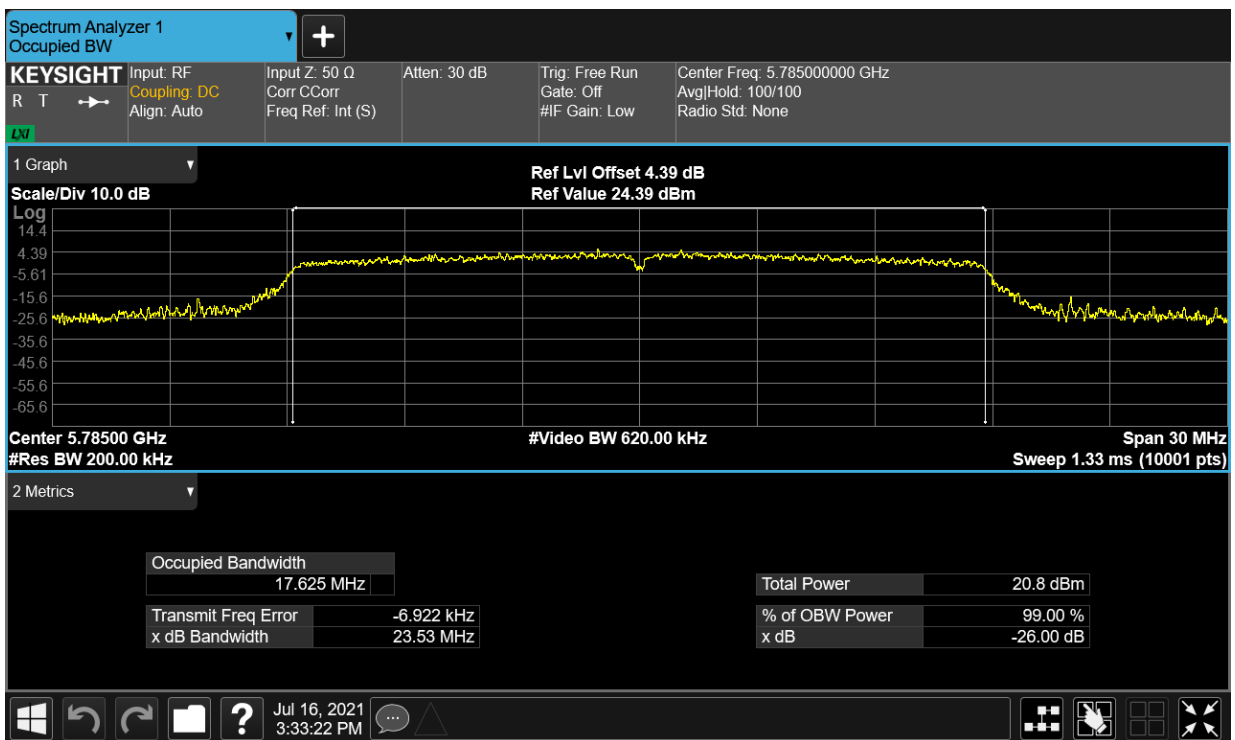
OBW NVNT ac80 5775MHz Ant1



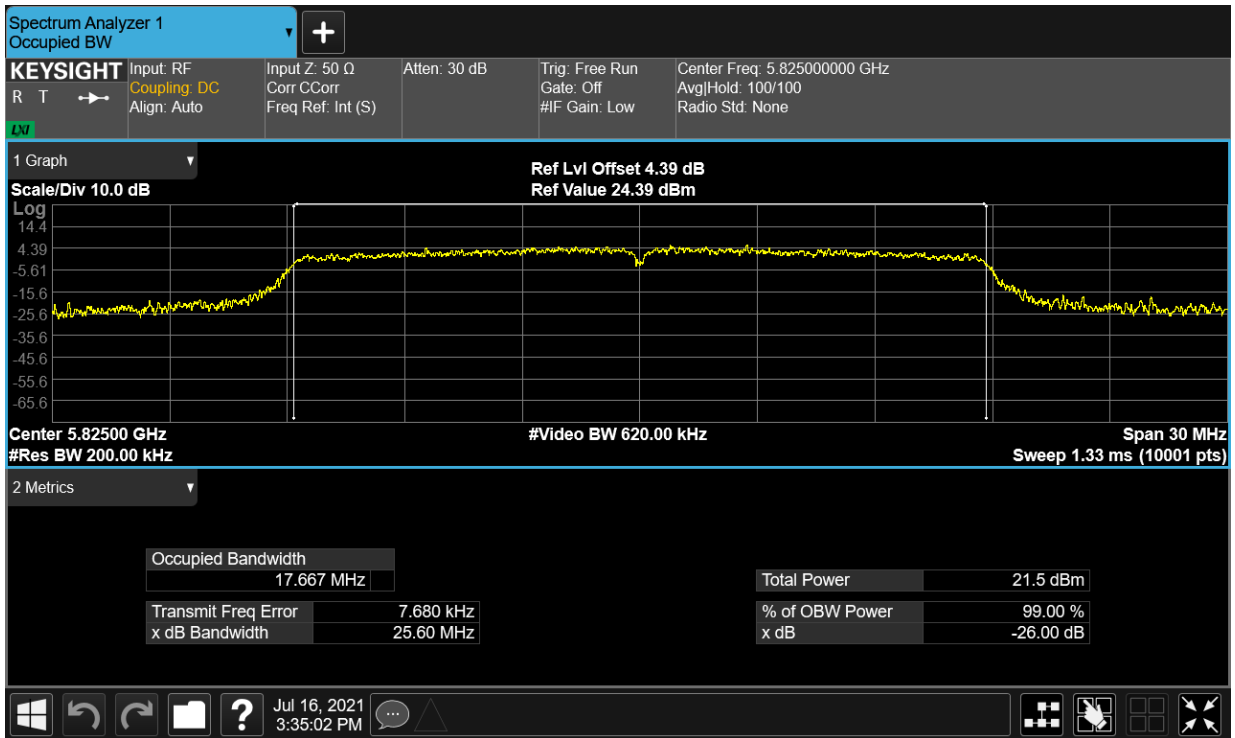
OBW NVNT n20 5745MHz Ant1



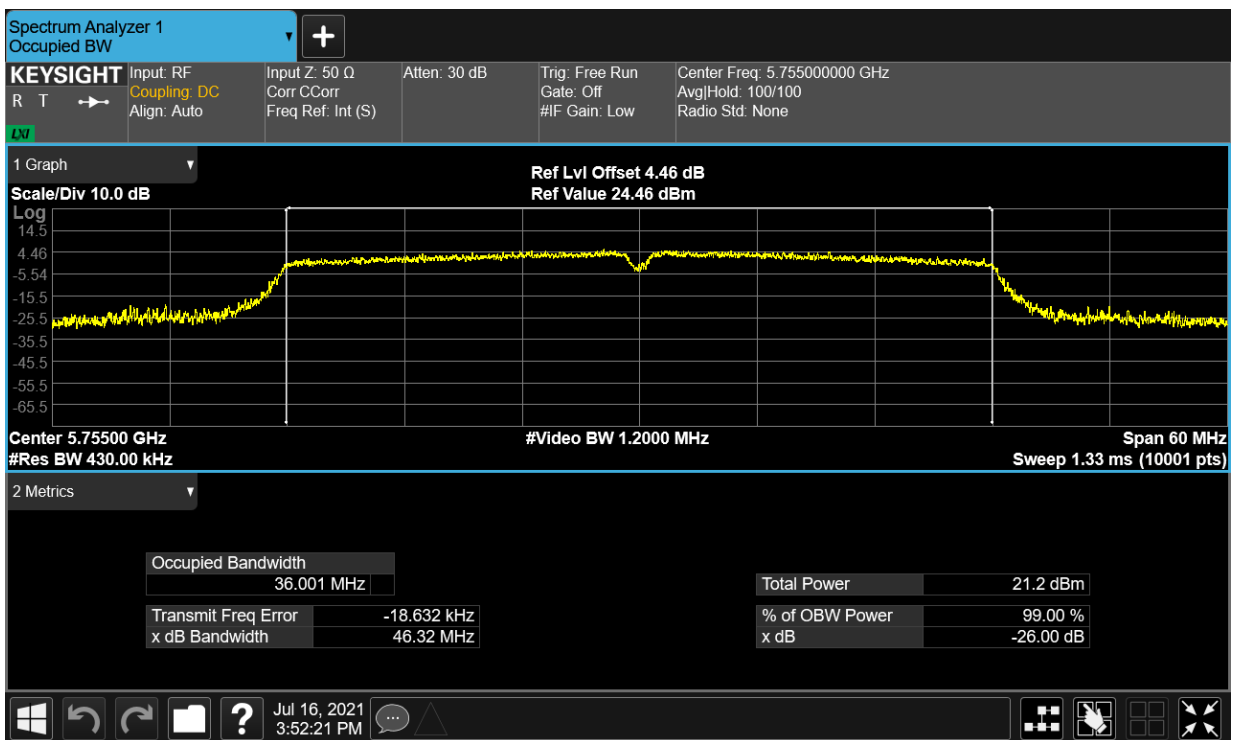
OBW NVNT n20 5785MHz Ant1



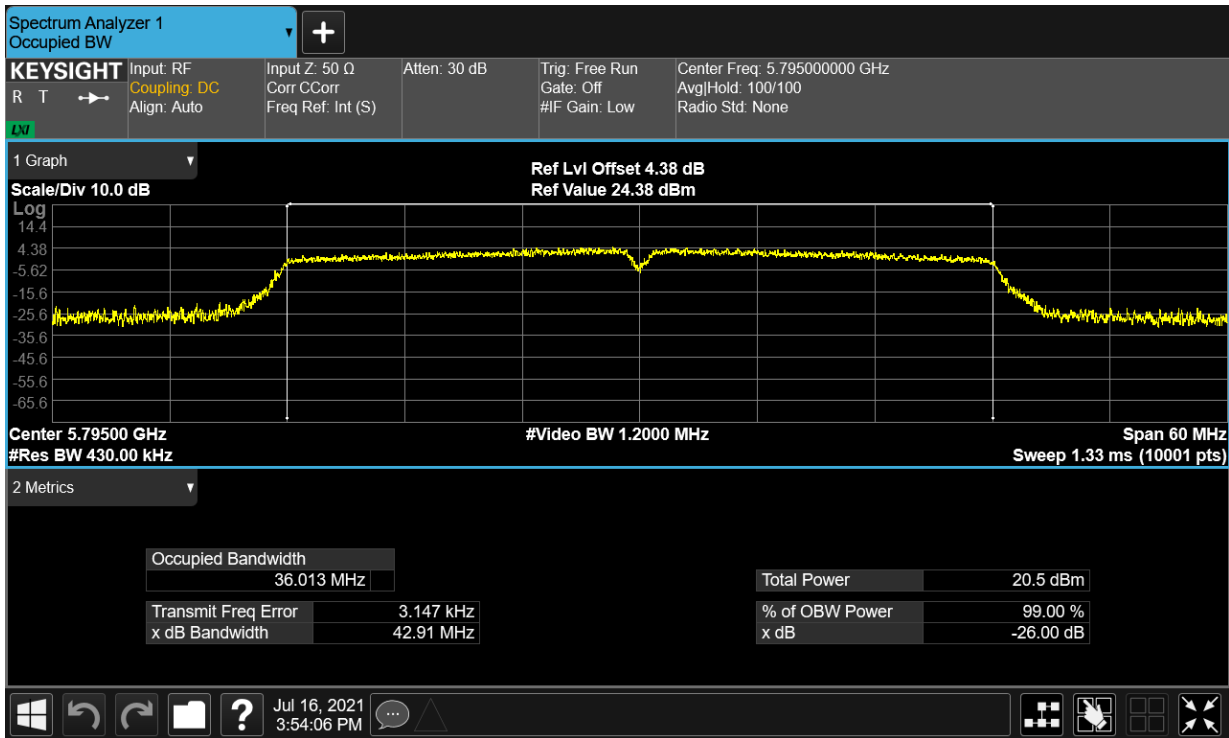
OBW NVNT n20 5825MHz Ant1



OBW NVNT n40 5755MHz Ant1



OBW NVNT n40 5795MHz Ant1



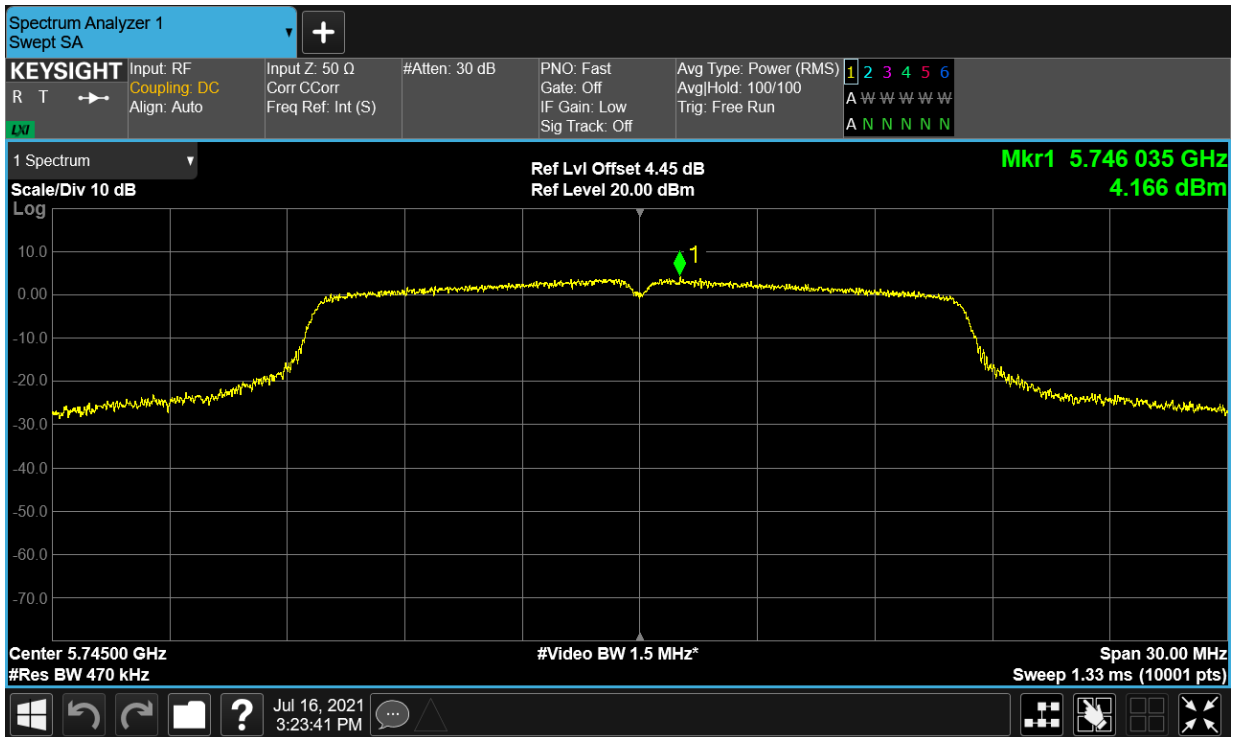
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	correction factor	Total Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	4.166	0.269	4.435	30	Pass
NVNT	a	5785	Ant1	3.473	0.269	3.742	30	Pass
NVNT	a	5825	Ant1	4.224	0.269	4.493	30	Pass
NVNT	ac20	5745	Ant1	2.697	0.269	2.966	30	Pass
NVNT	ac20	5785	Ant1	2.366	0.269	2.635	30	Pass
NVNT	ac20	5825	Ant1	2.588	0.269	2.857	30	Pass
NVNT	ac40	5755	Ant1	-0.415	0.269	-0.146	30	Pass
NVNT	ac40	5795	Ant1	-1.153	0.269	-0.884	30	Pass
NVNT	ac80	5775	Ant1	-3.352	0.269	-3.083	30	Pass
NVNT	n20	5745	Ant1	2.704	0.269	2.973	30	Pass
NVNT	n20	5785	Ant1	2.267	0.269	2.536	30	Pass
NVNT	n20	5825	Ant1	2.858	0.269	3.127	30	Pass
NVNT	n40	5755	Ant1	-0.37	0.269	-0.101	30	Pass
NVNT	n40	5795	Ant1	-1.074	0.269	-0.805	30	Pass

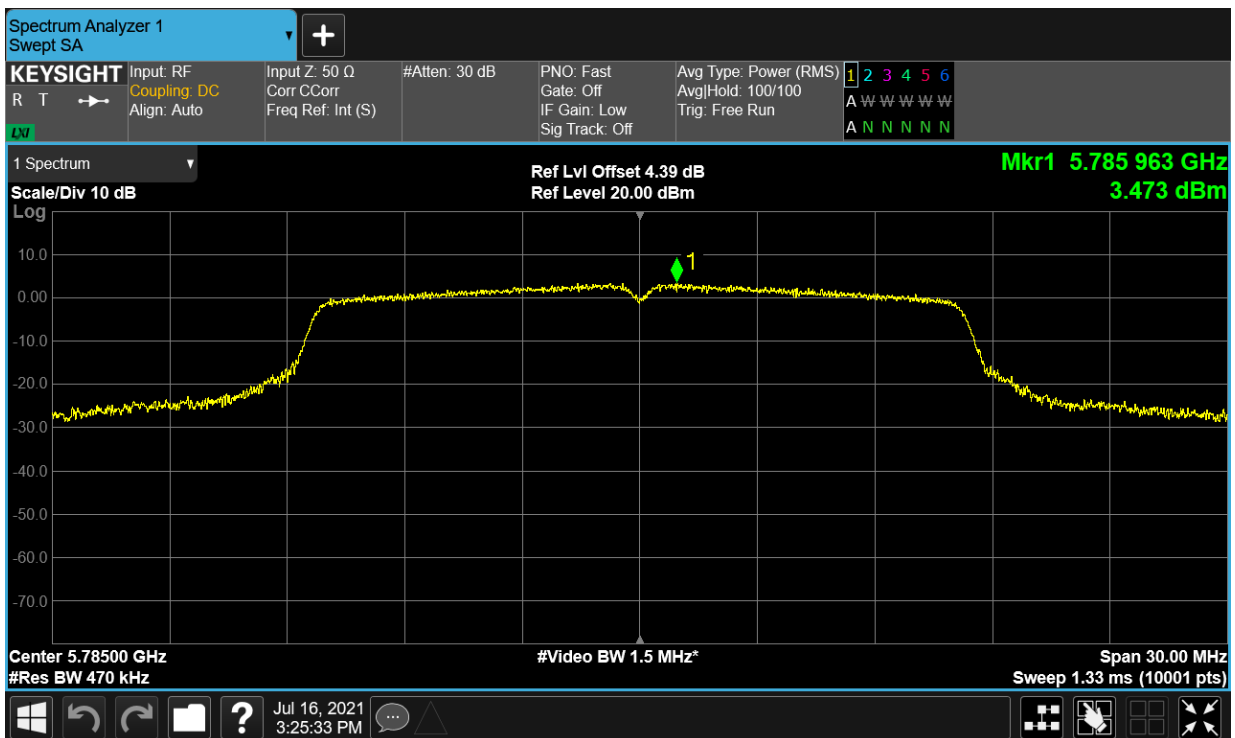
Remark: Final result showed in report was corrected by reading level showed in test plots + correction factor.

Correction factor = $10 \log (500 \text{ kHz}_{\text{Reference}} / 470 \text{ KHz}_{\text{Measured}}) = 0.269$

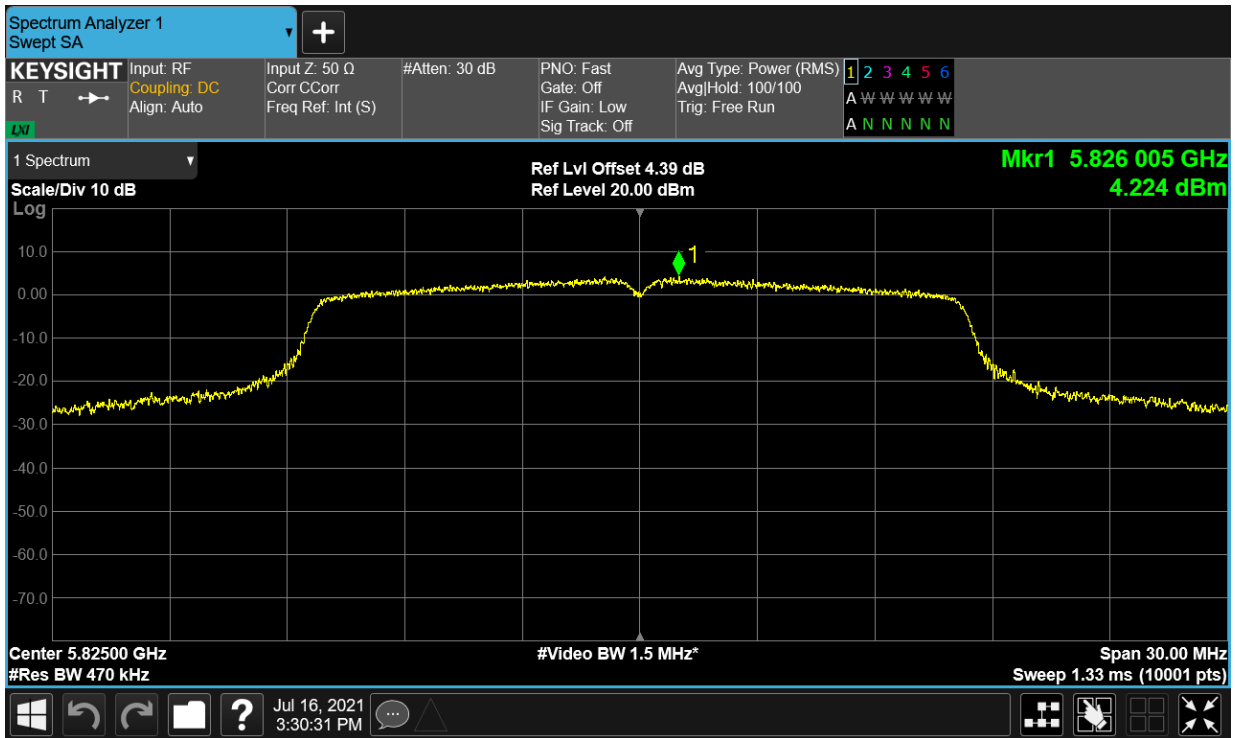
PSD NVNT a 5745MHz Ant1



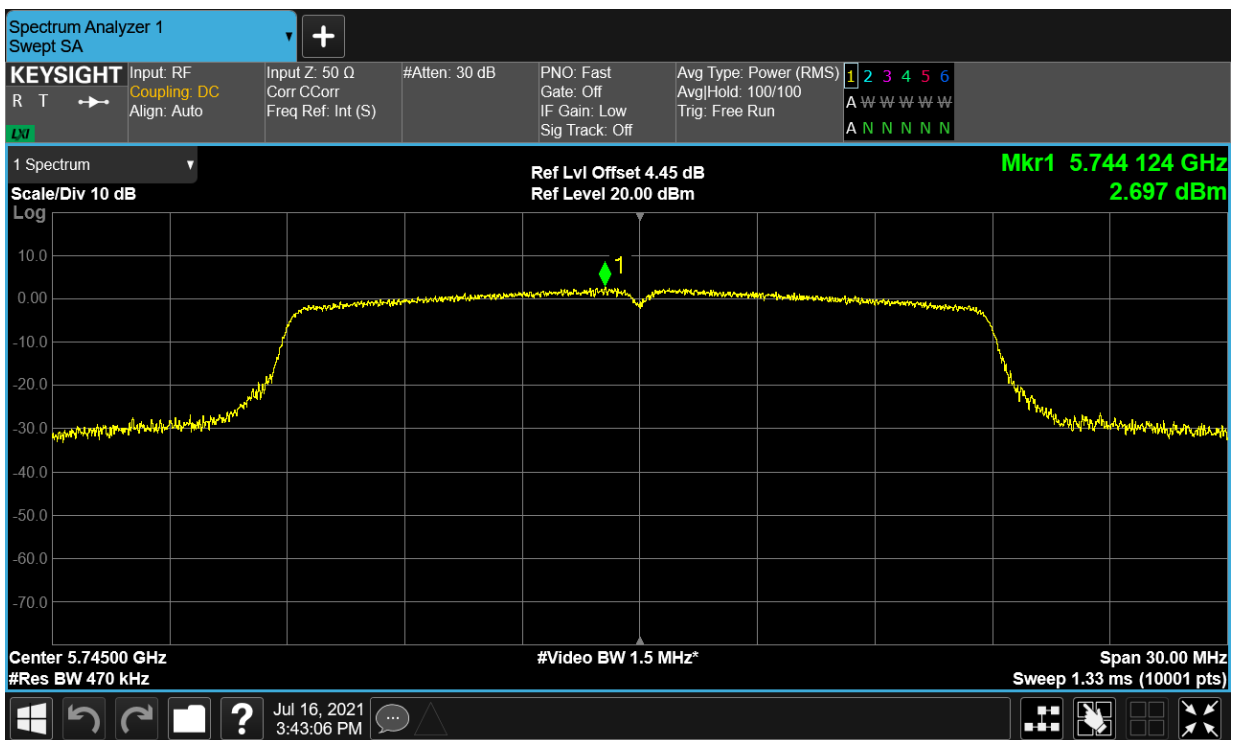
PSD NVNT a 5785MHz Ant1



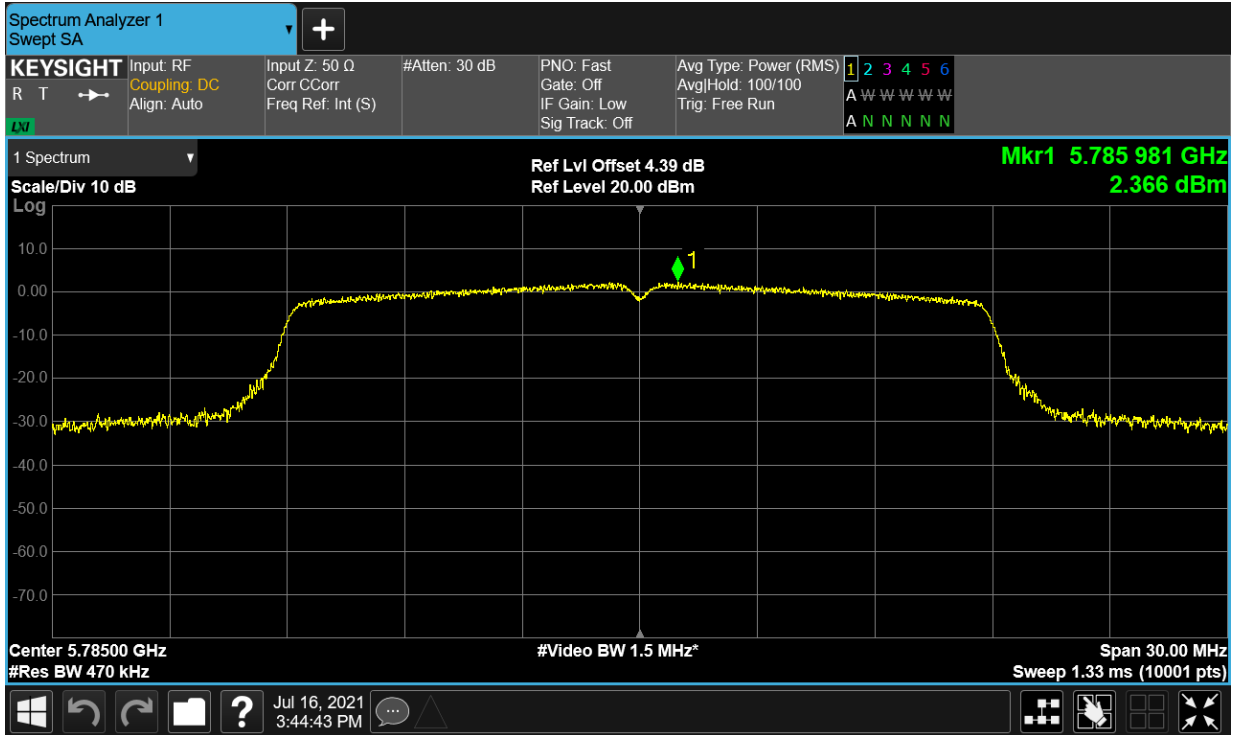
PSD NVNT a 5825MHz Ant1



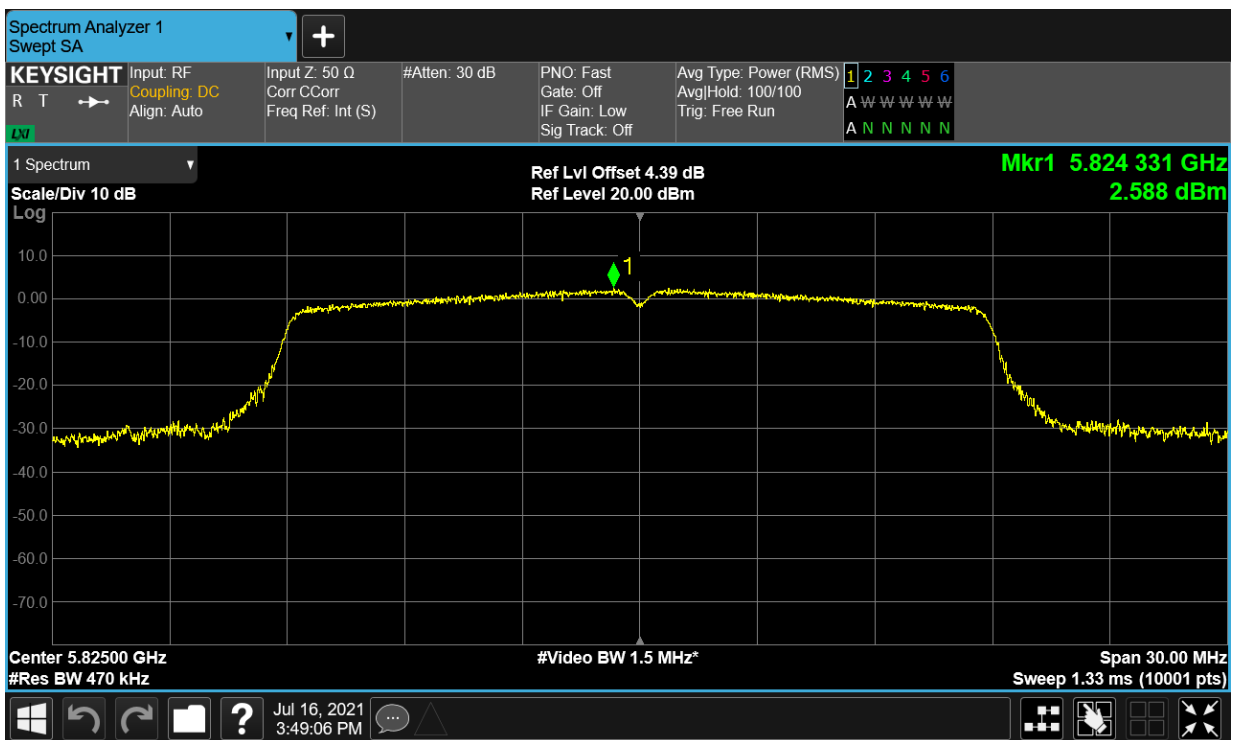
PSD NVNT ac20 5745MHz Ant1



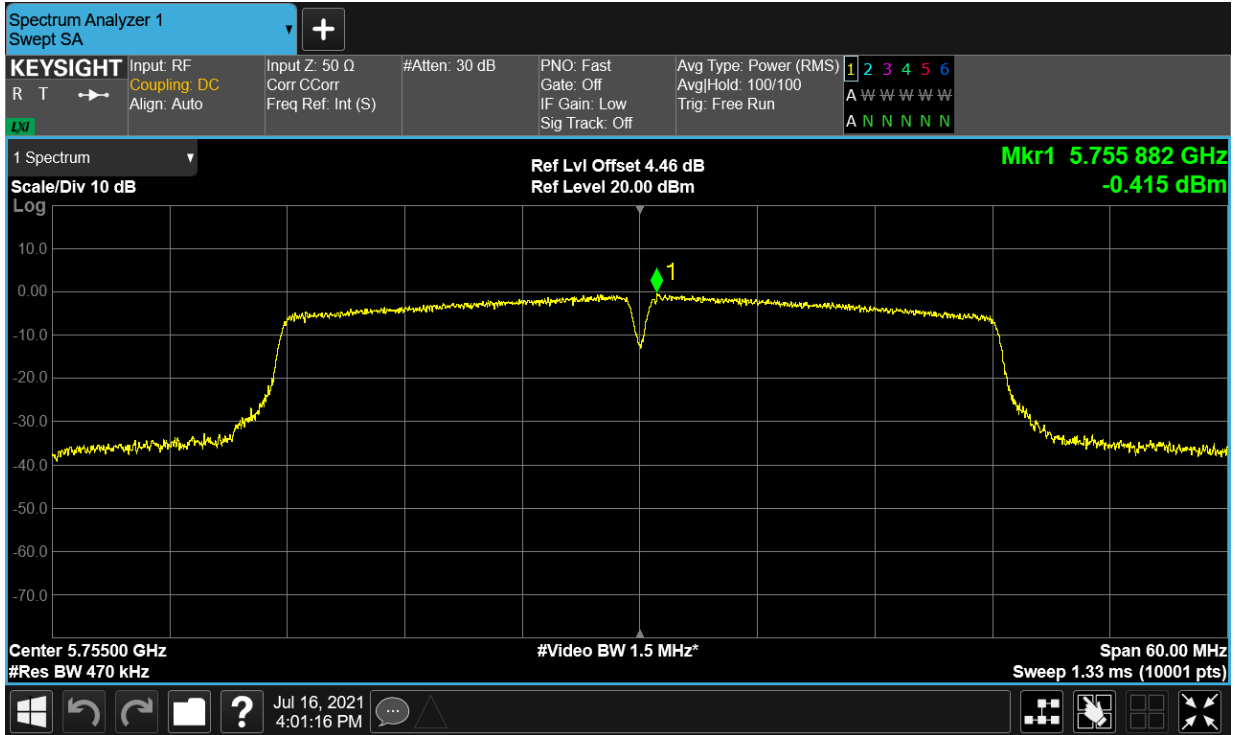
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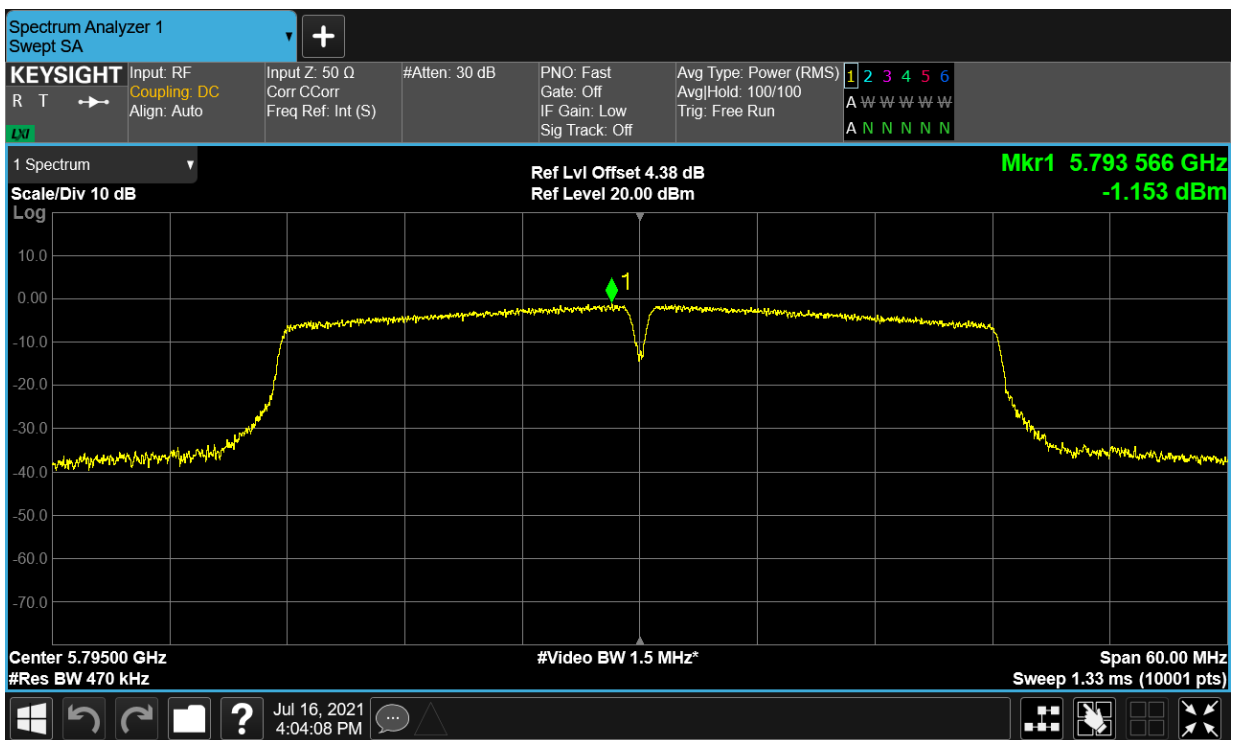
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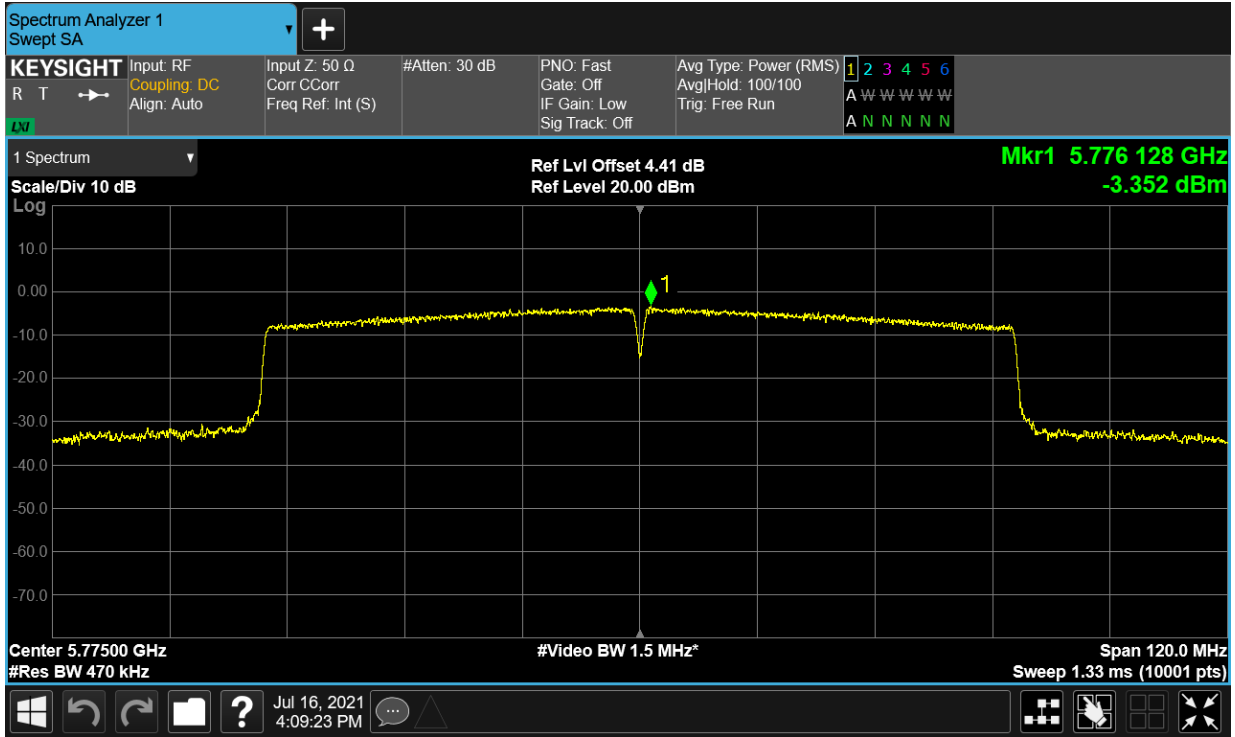
PSD NVNT ac40 5755MHz Ant1



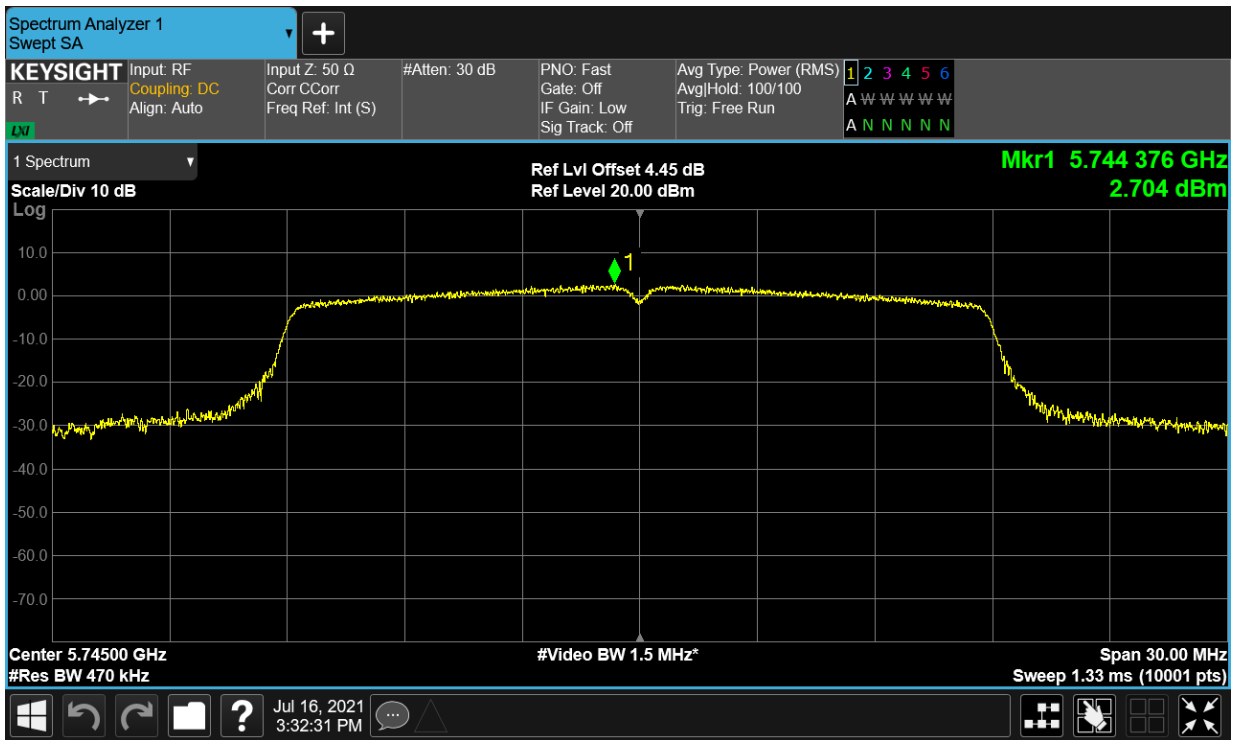
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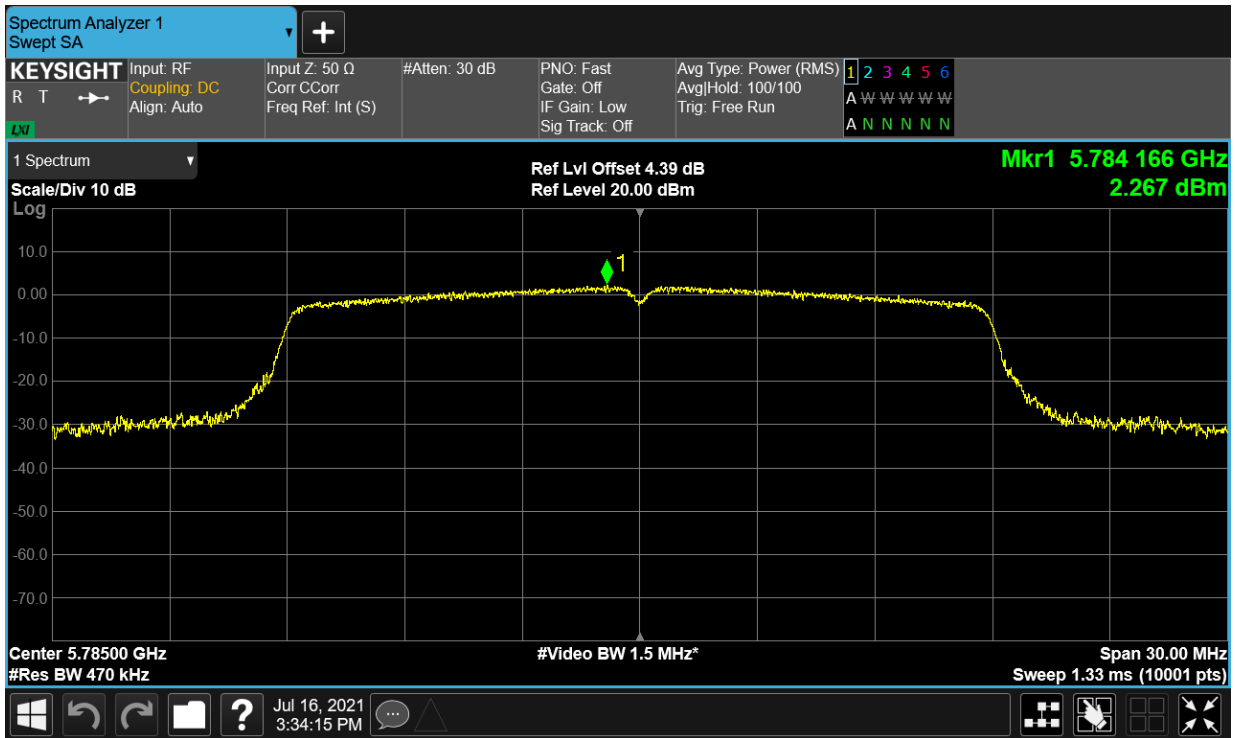
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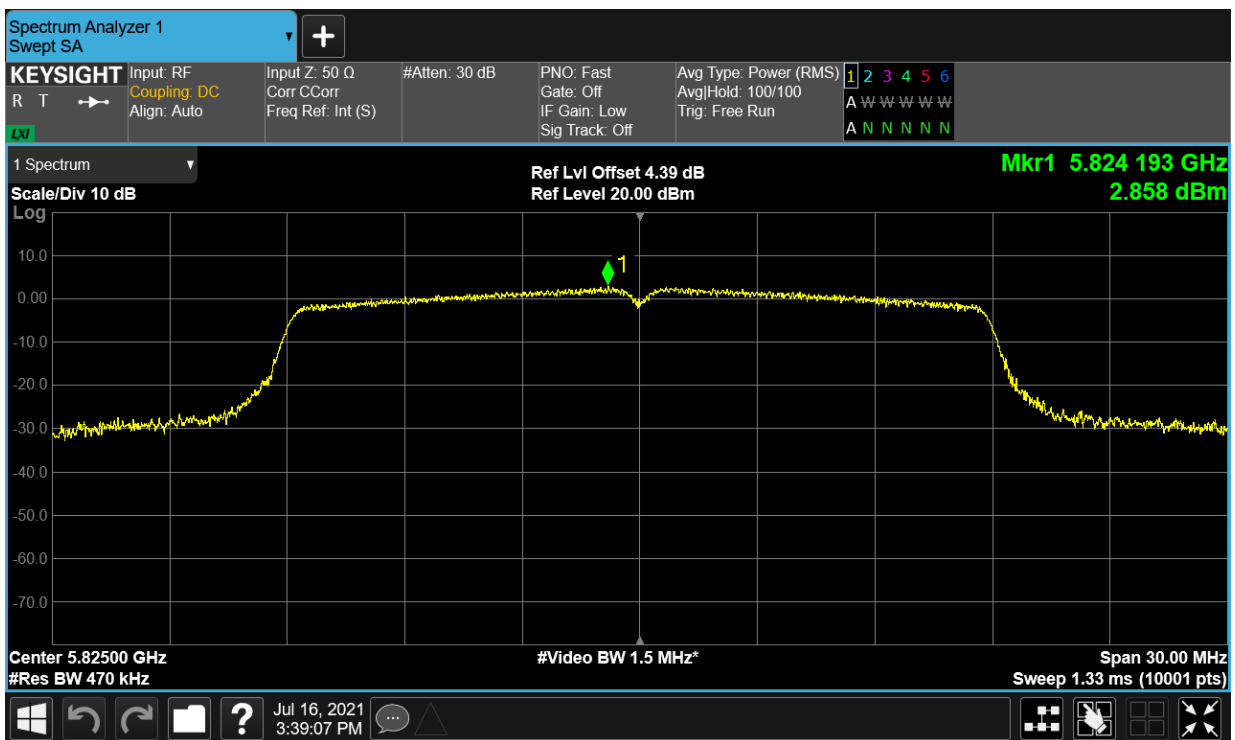
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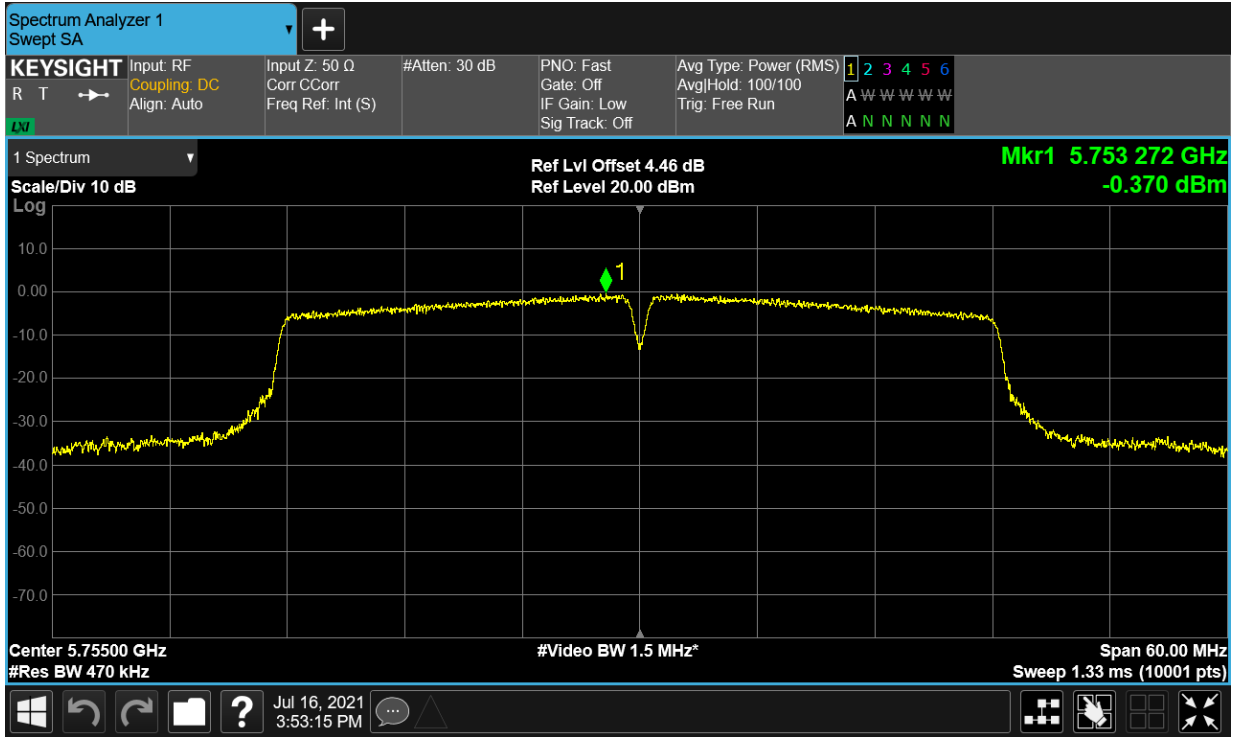
PSD NVNT n20 5785MHz Ant1



PSD NVNT n20 5825MHz Ant1



PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5795MHz Ant1

