

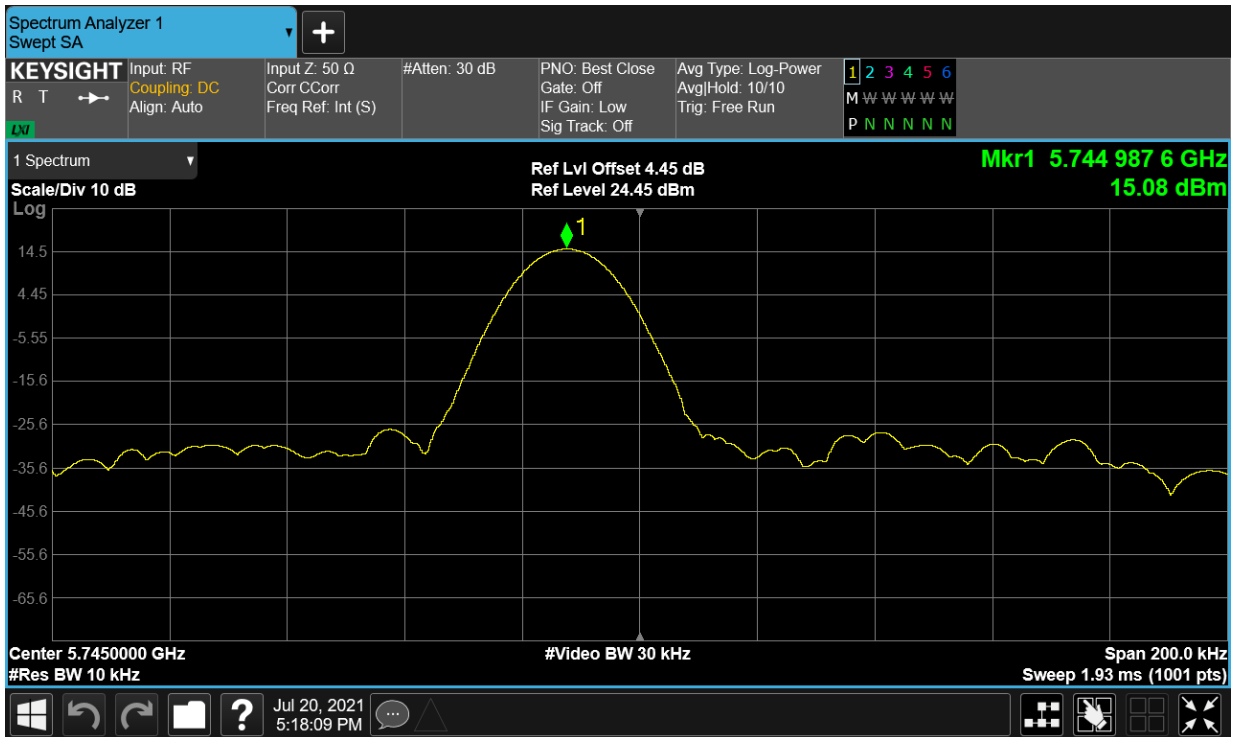
## Test Data

### Frequency Stability (worst case mode)

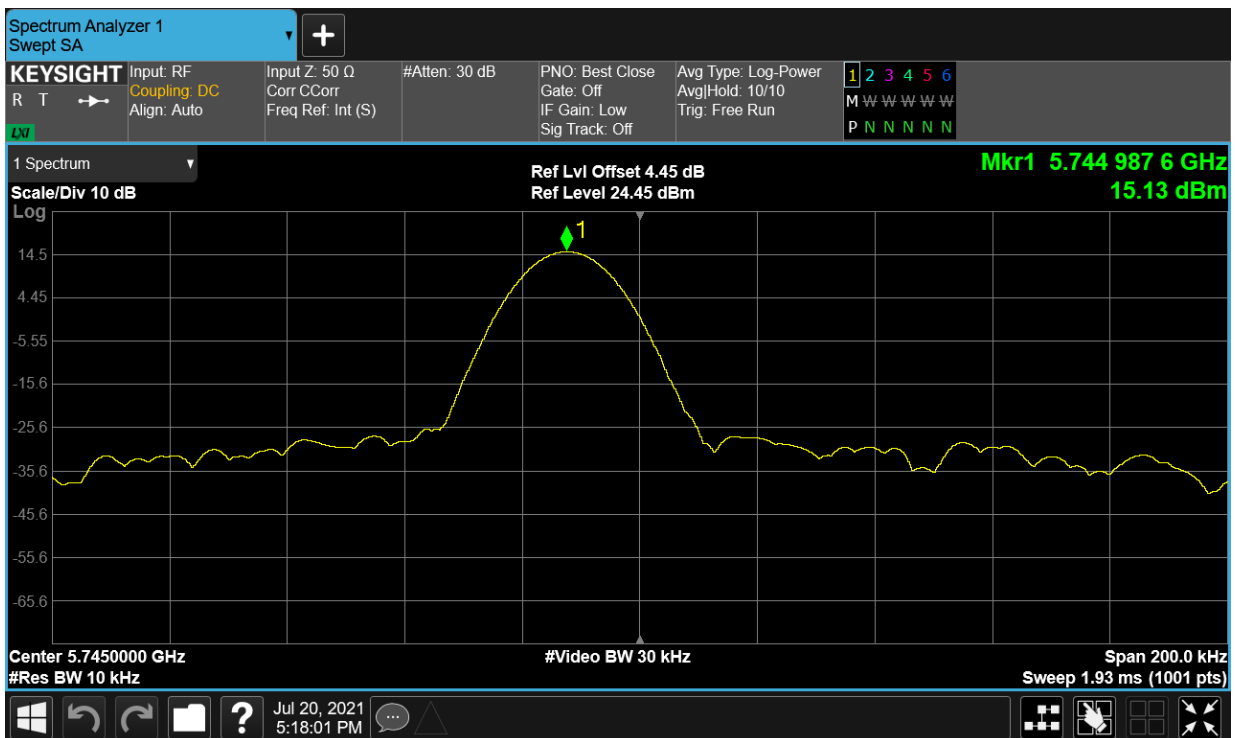
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVHT	a	5745	Ant1	5744.9876	-2.16	25	Pass
HVLT	a	5745	Ant1	5744.9876	-2.16	25	Pass
LVHT	a	5745	Ant1	5744.988	-2.09	25	Pass
LVLT	a	5745	Ant1	5744.9884	-2.02	25	Pass
NVNT	a	5745	Ant1	5744.989	-1.91	25	Pass
HVHT	ac80	5775	Ant1	5774.9866	-2.32	25	Pass
HVLT	ac80	5775	Ant1	5774.987	-2.25	25	Pass
LVHT	ac80	5775	Ant1	5774.9874	-2.18	25	Pass
LVLT	ac80	5775	Ant1	5774.9878	-2.11	25	Pass
NVNT	ac80	5775	Ant1	5774.9886	-1.97	25	Pass
HVHT	n40	5755	Ant1	5754.9872	-2.22	25	Pass
HVLT	n40	5755	Ant1	5754.9872	-2.22	25	Pass
LVHT	n40	5755	Ant1	5754.9874	-2.19	25	Pass
LVLT	n40	5755	Ant1	5754.9878	-2.12	25	Pass
NVNT	n40	5755	Ant1	5754.988	-2.09	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.

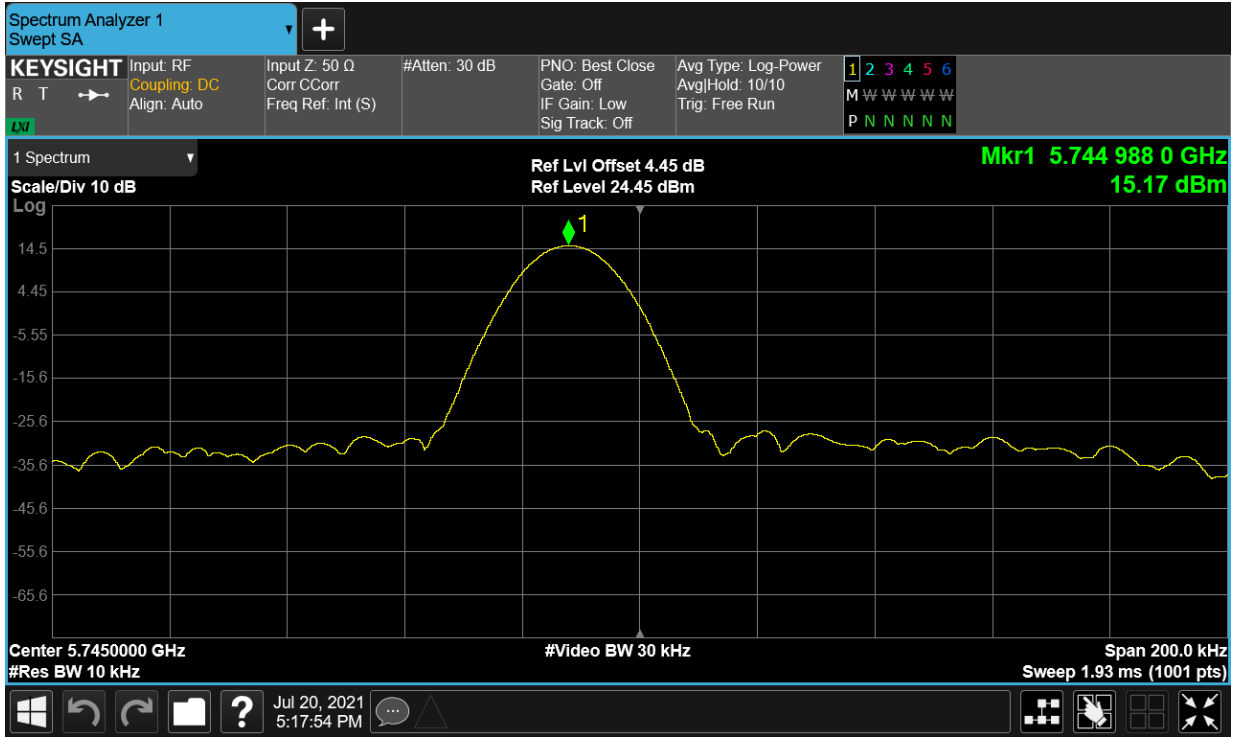
Freq. Stability HVHT a 5745MHz Ant1



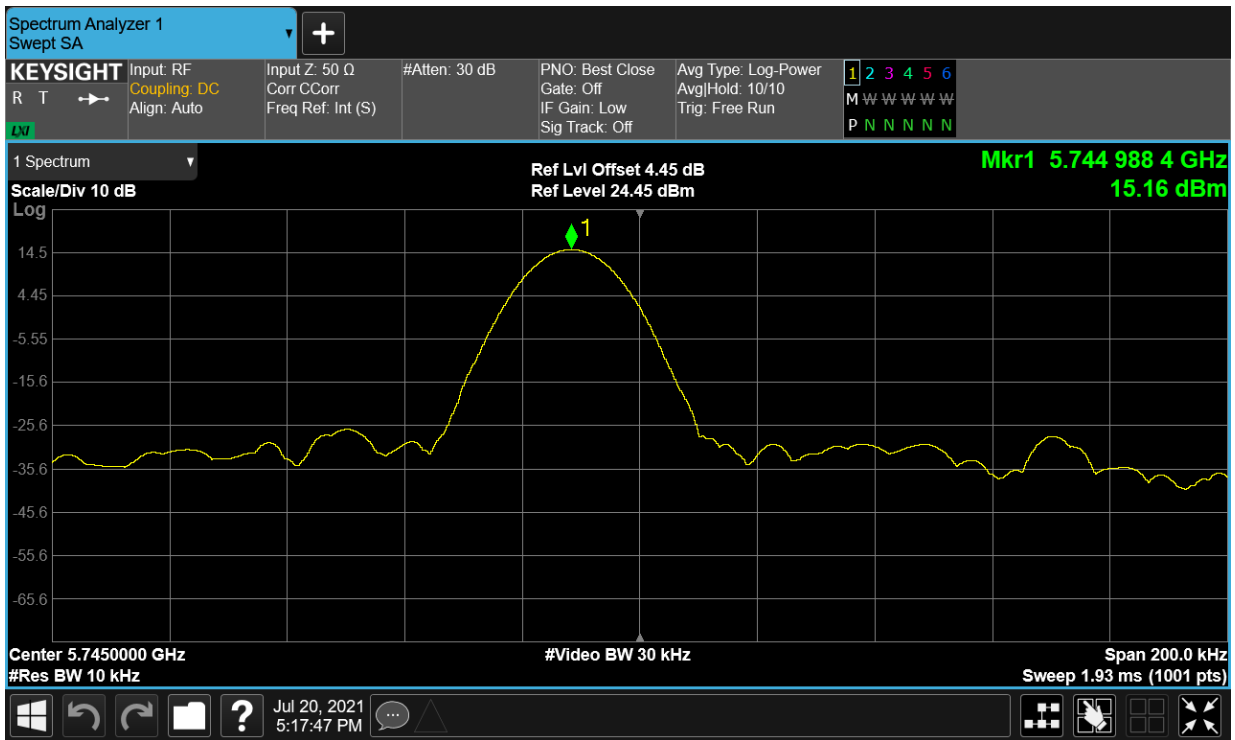
Freq. Stability HVLT a 5745MHz Ant1



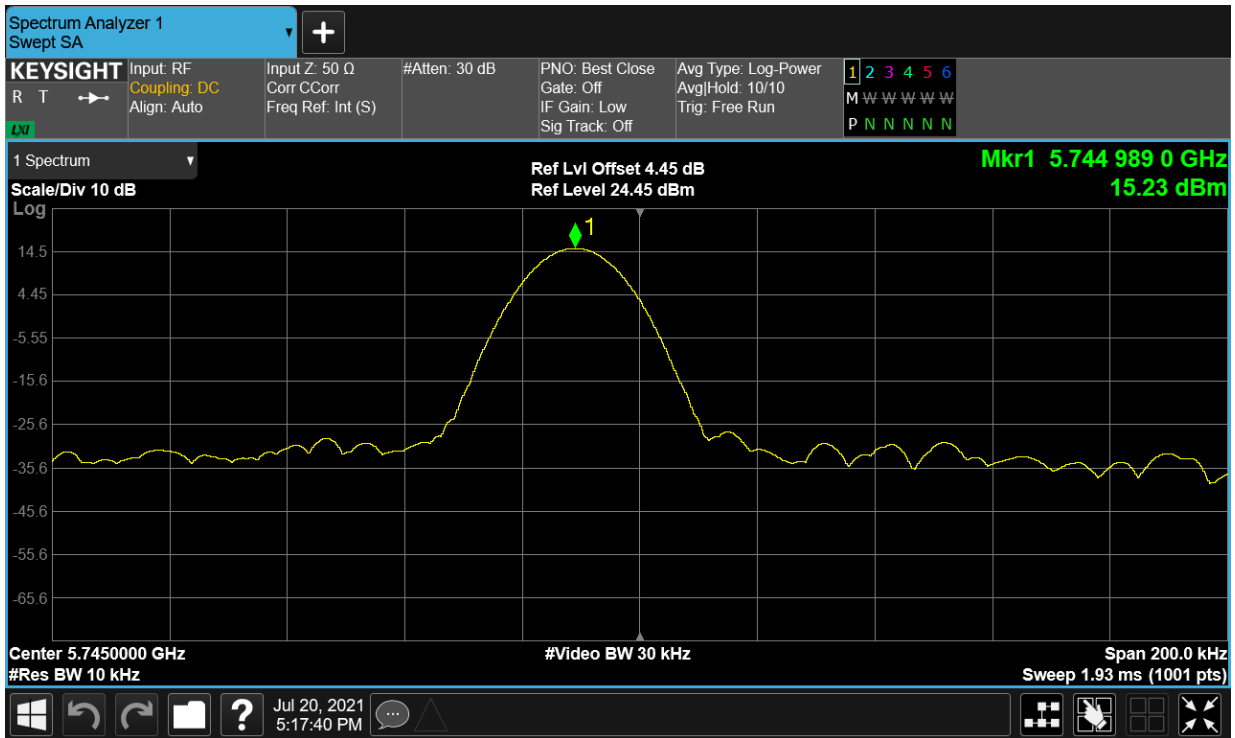
Freq. Stability LVHT a 5745MHz Ant1



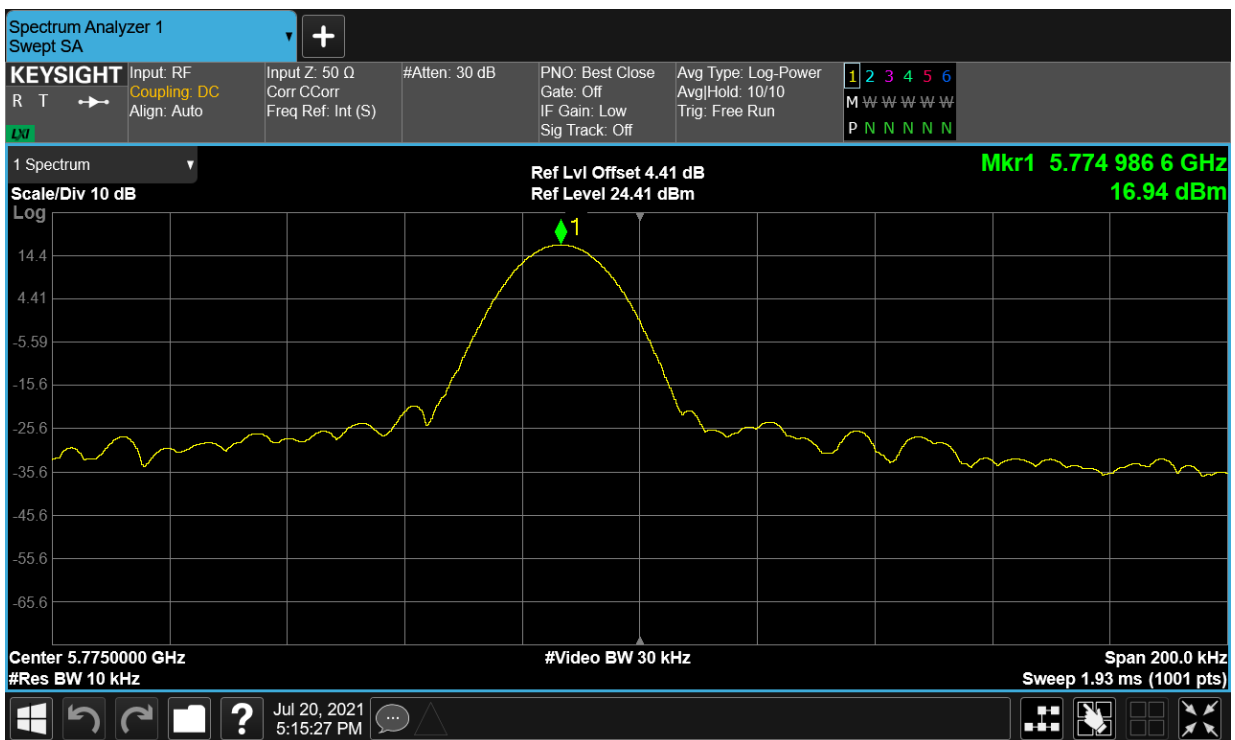
Freq. Stability LVLT a 5745MHz Ant1



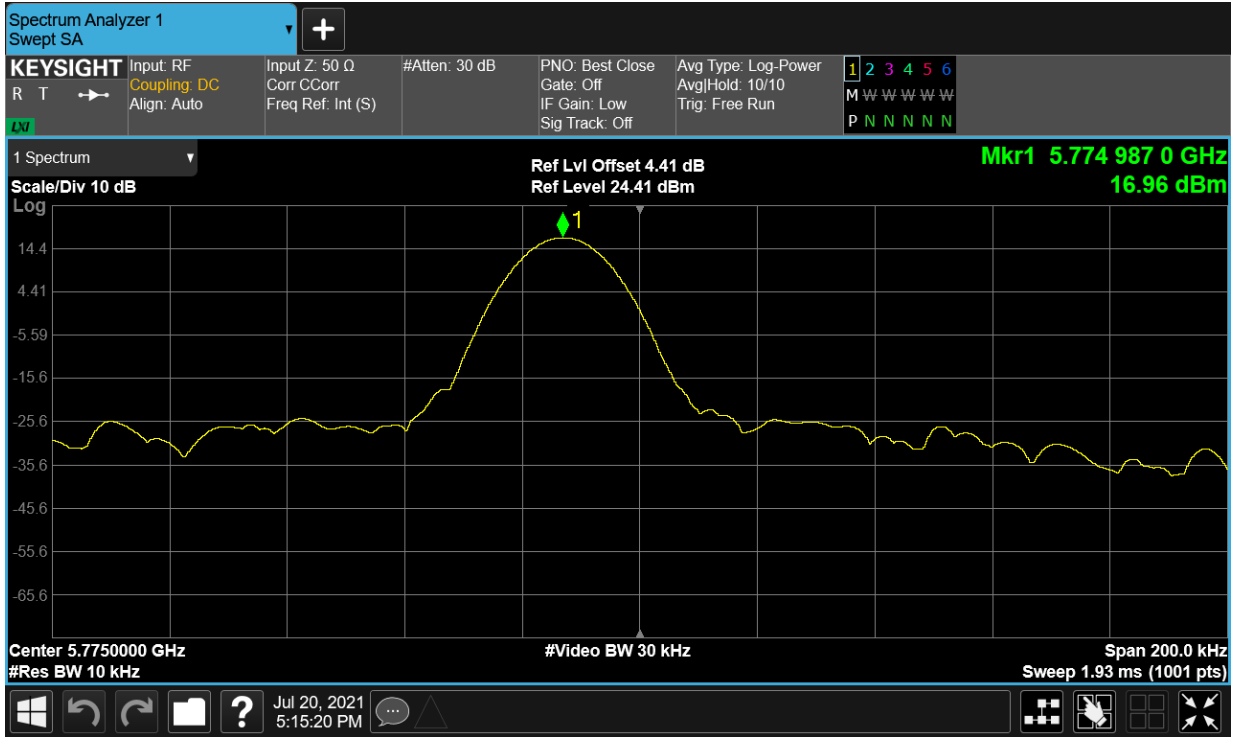
Freq. Stability NVNT a 5745MHz Ant1



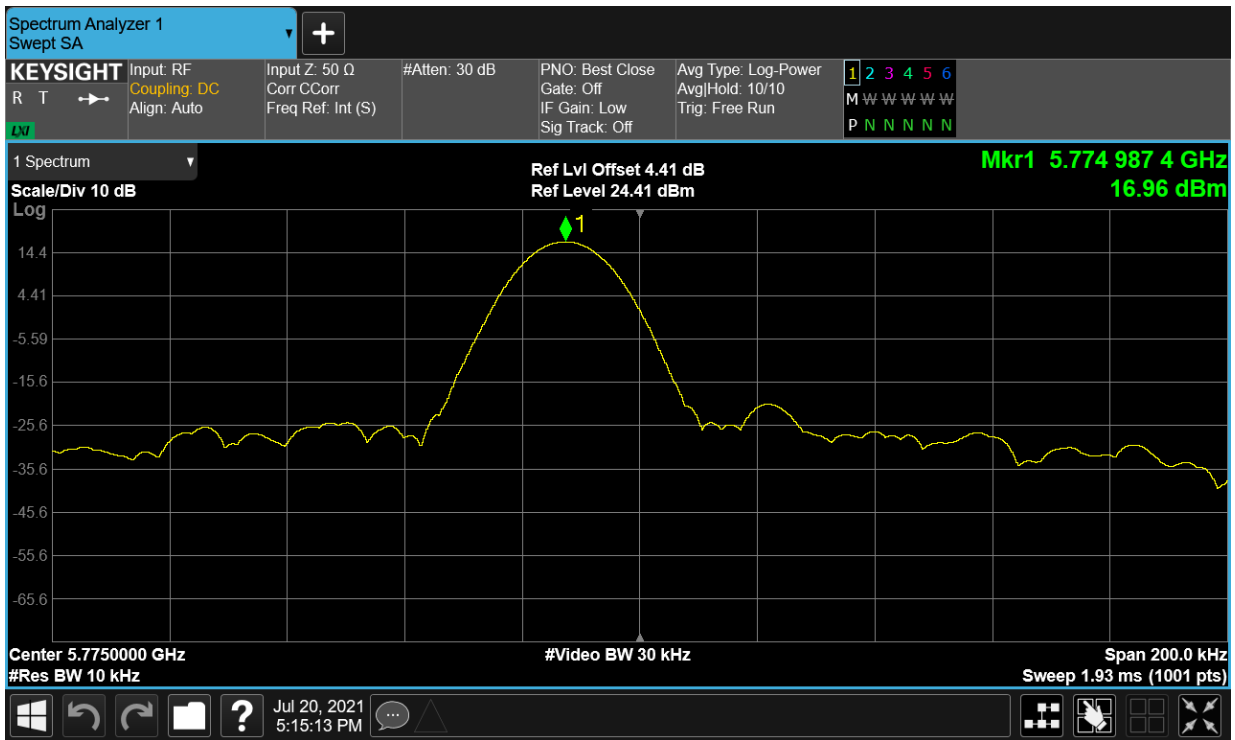
Freq. Stability HVHT ac80 5775MHz Ant1



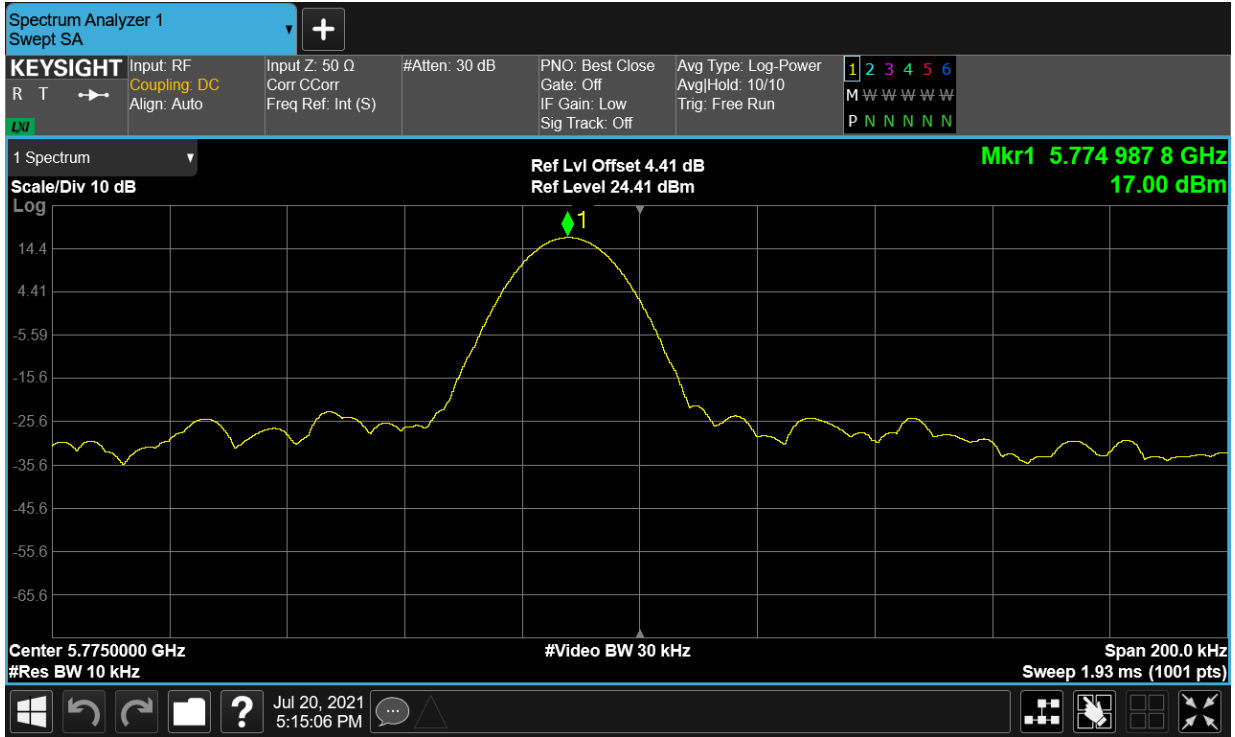
Freq. Stability HVLT ac80 5775MHz Ant1



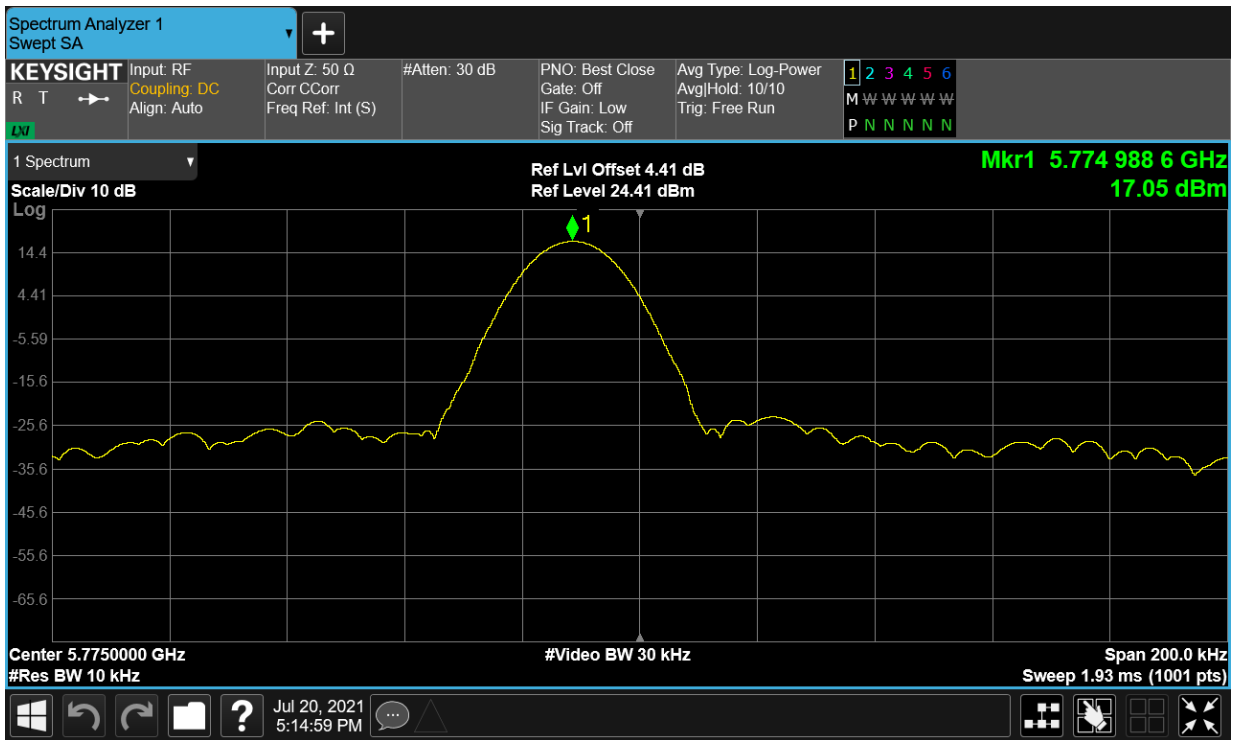
Freq. Stability LVHT ac80 5775MHz Ant1



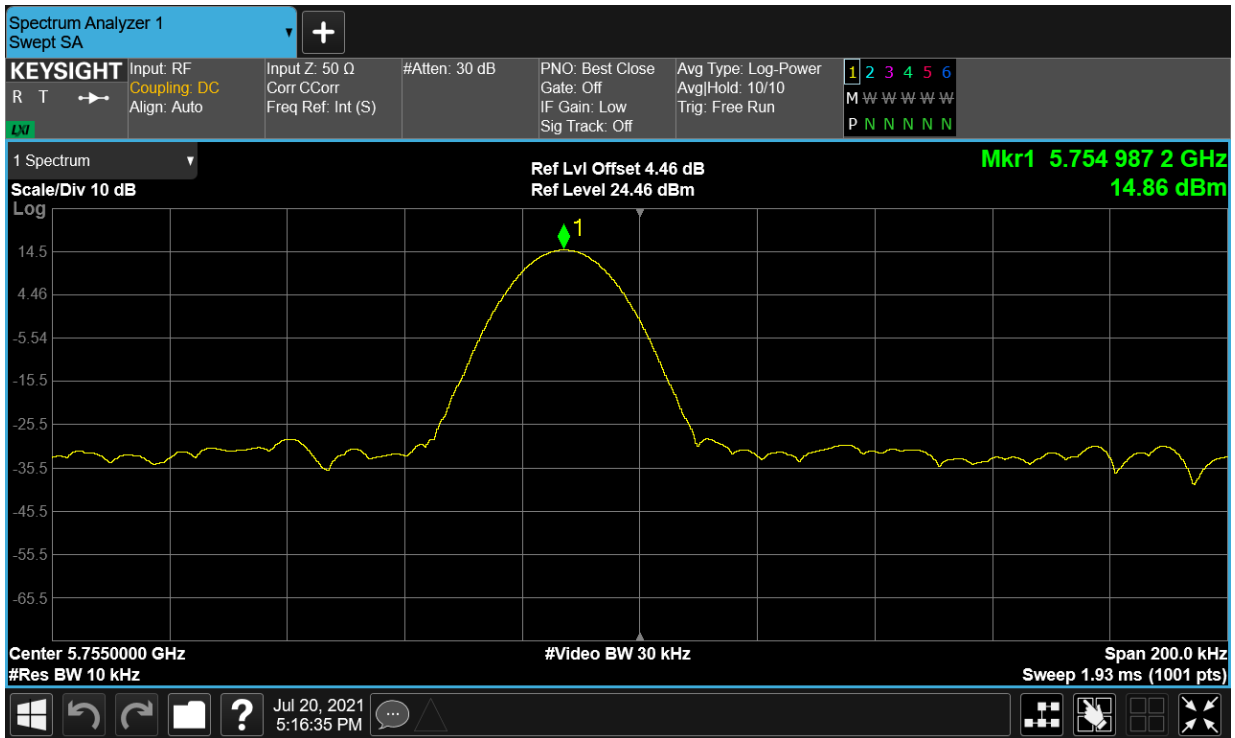
Freq. Stability LVLT ac80 5775MHz Ant1



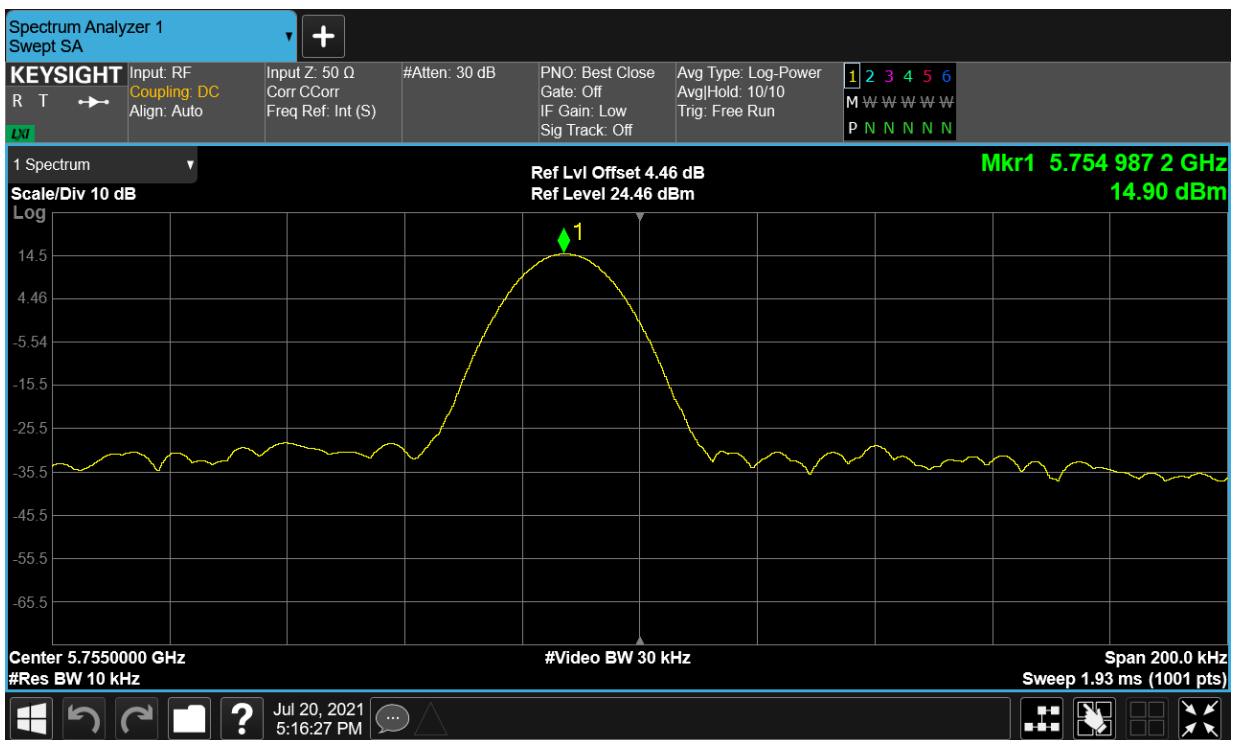
Freq. Stability NVNT ac80 5775MHz Ant1



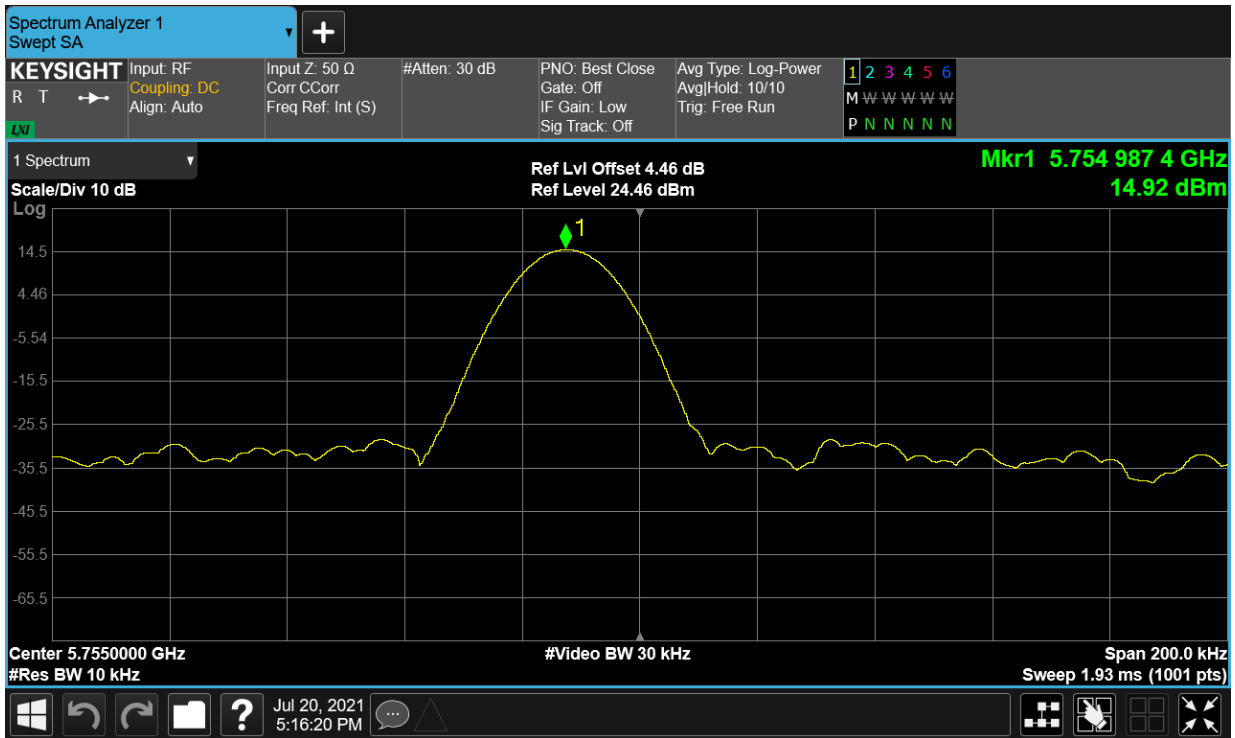
Freq. Stability HVHT n40 5755MHz Ant1



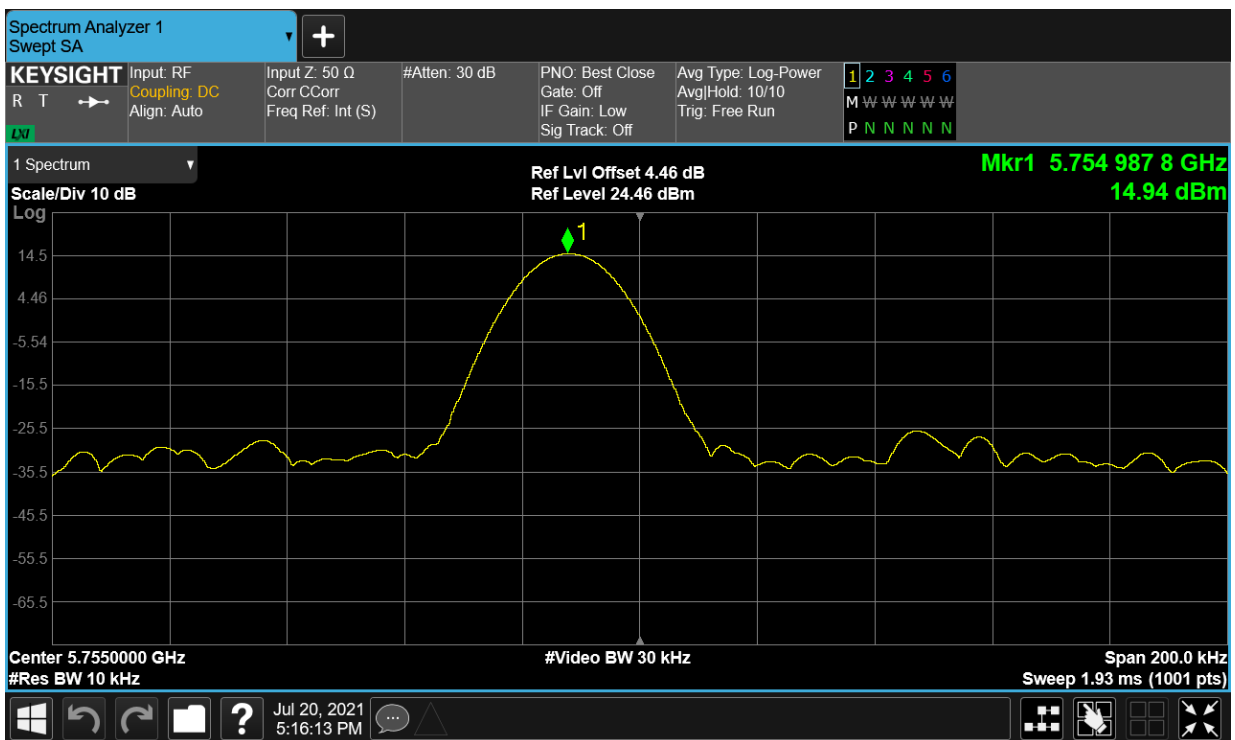
Freq. Stability HVLT n40 5755MHz Ant1



Freq. Stability LVHT n40 5755MHz Ant1

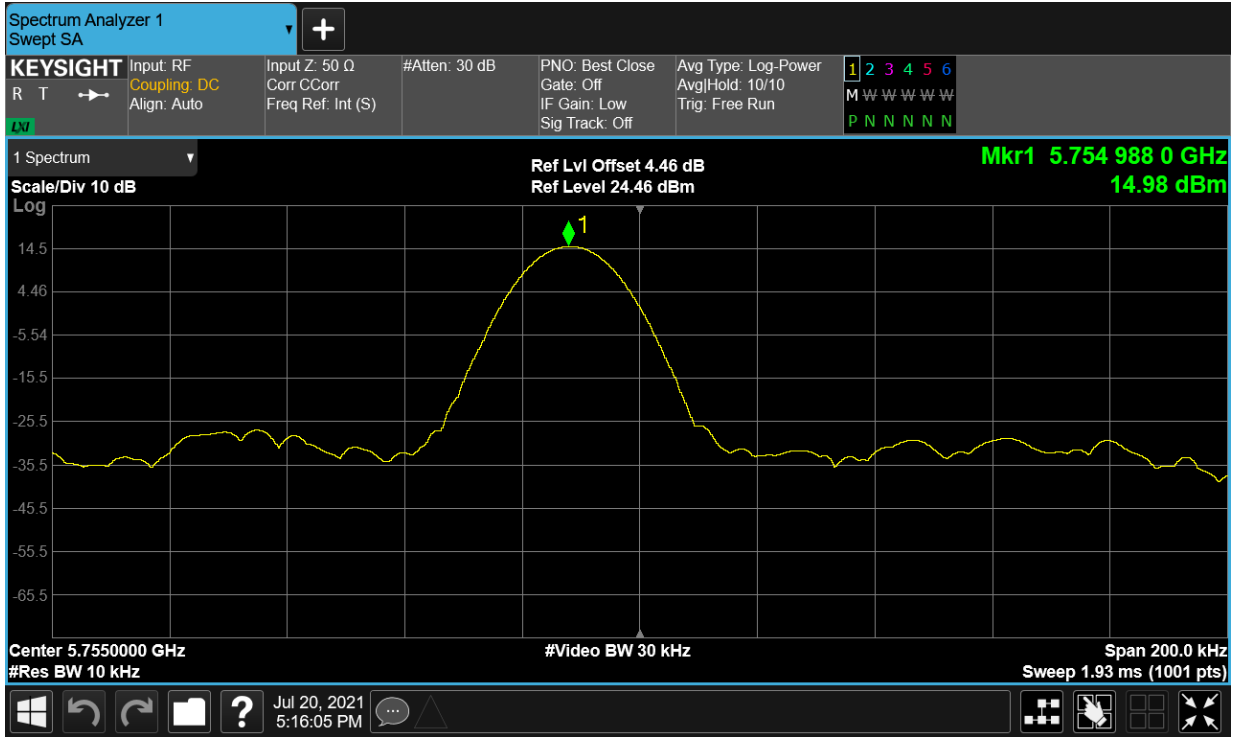


Freq. Stability LVT n40 5755MHz Ant1



Freq. Stability NVNT n40 5755MHz Ant1

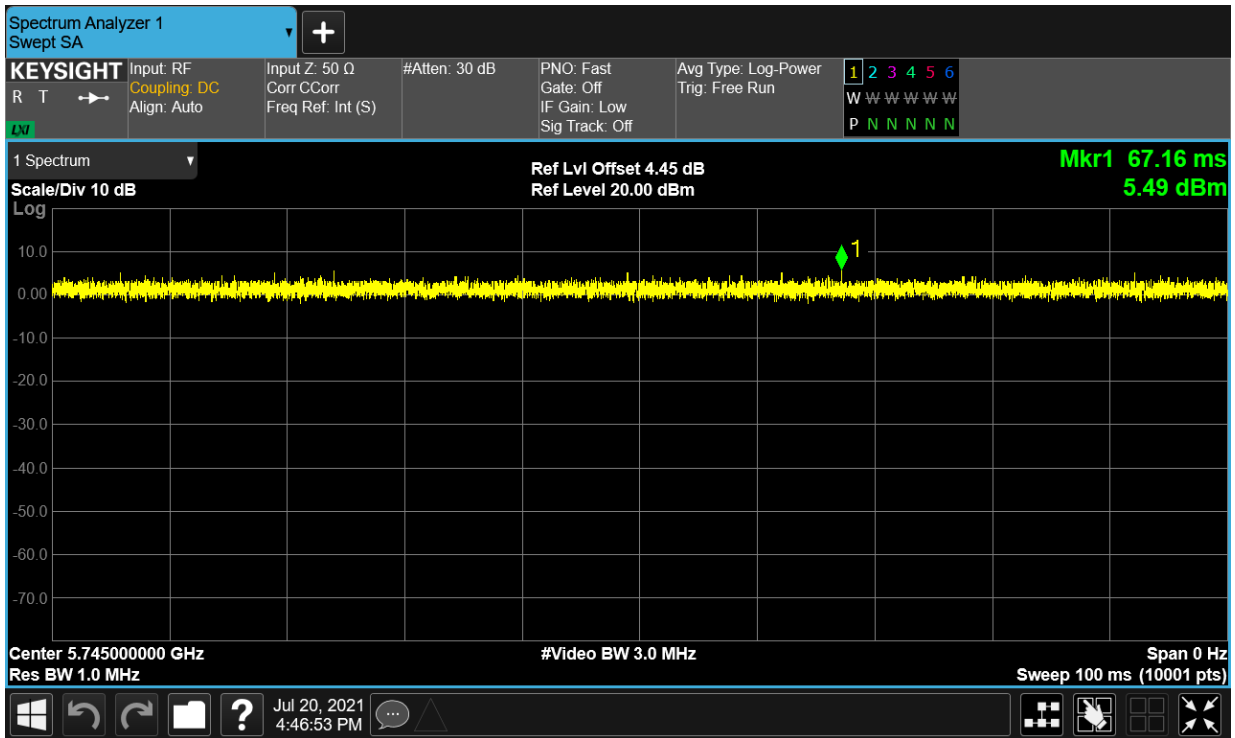




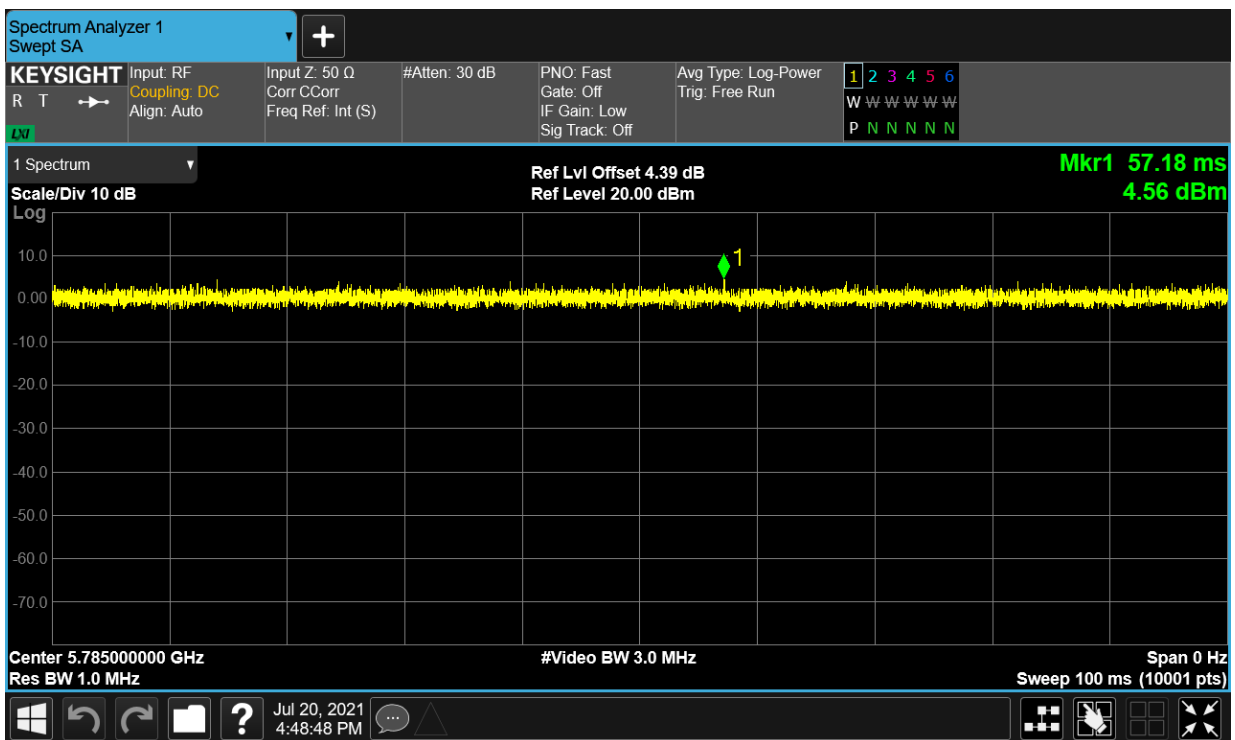
**Duty Cycle**

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

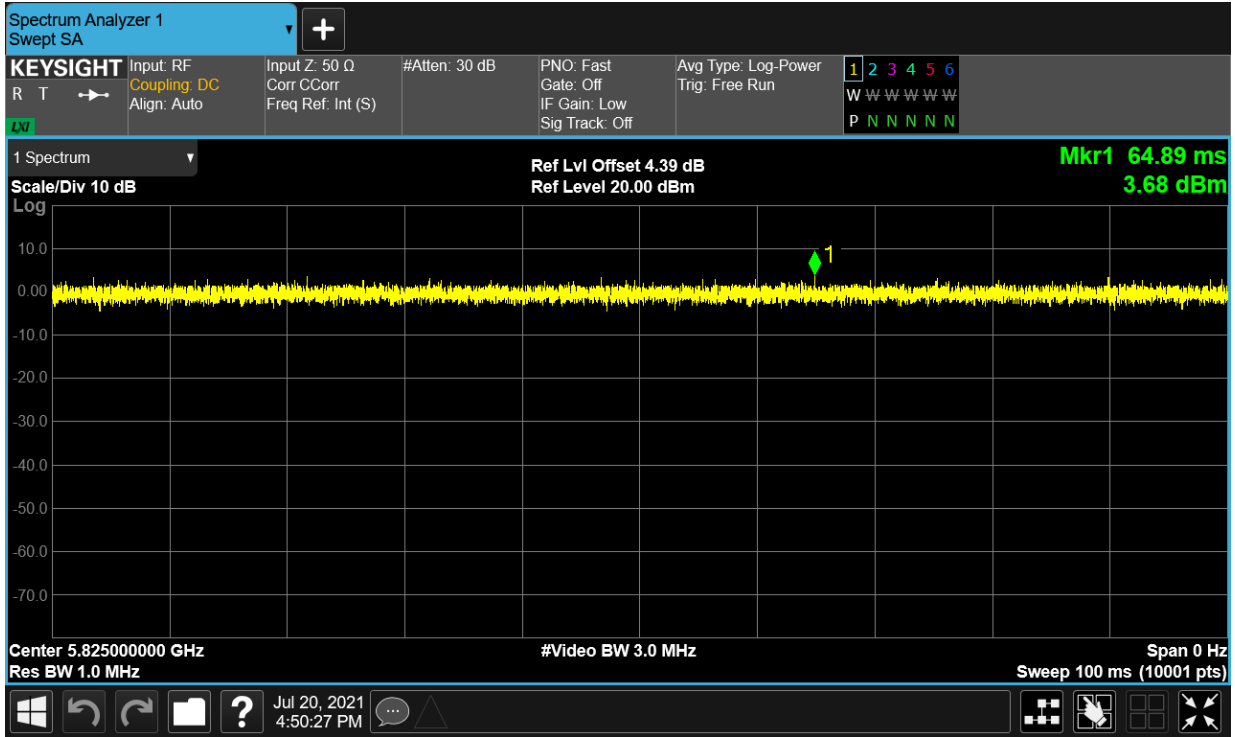
Duty Cycle NVNT a 5745MHz Ant1



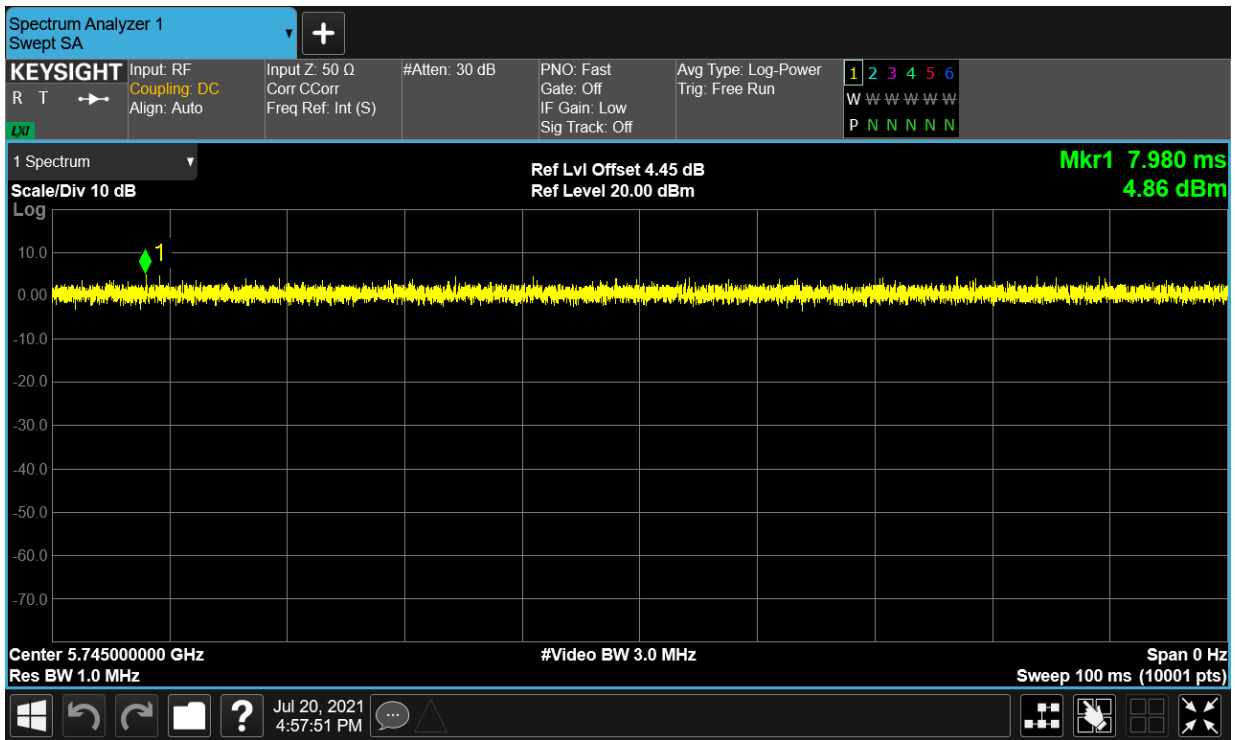
Duty Cycle NVNT a 5785MHz Ant1



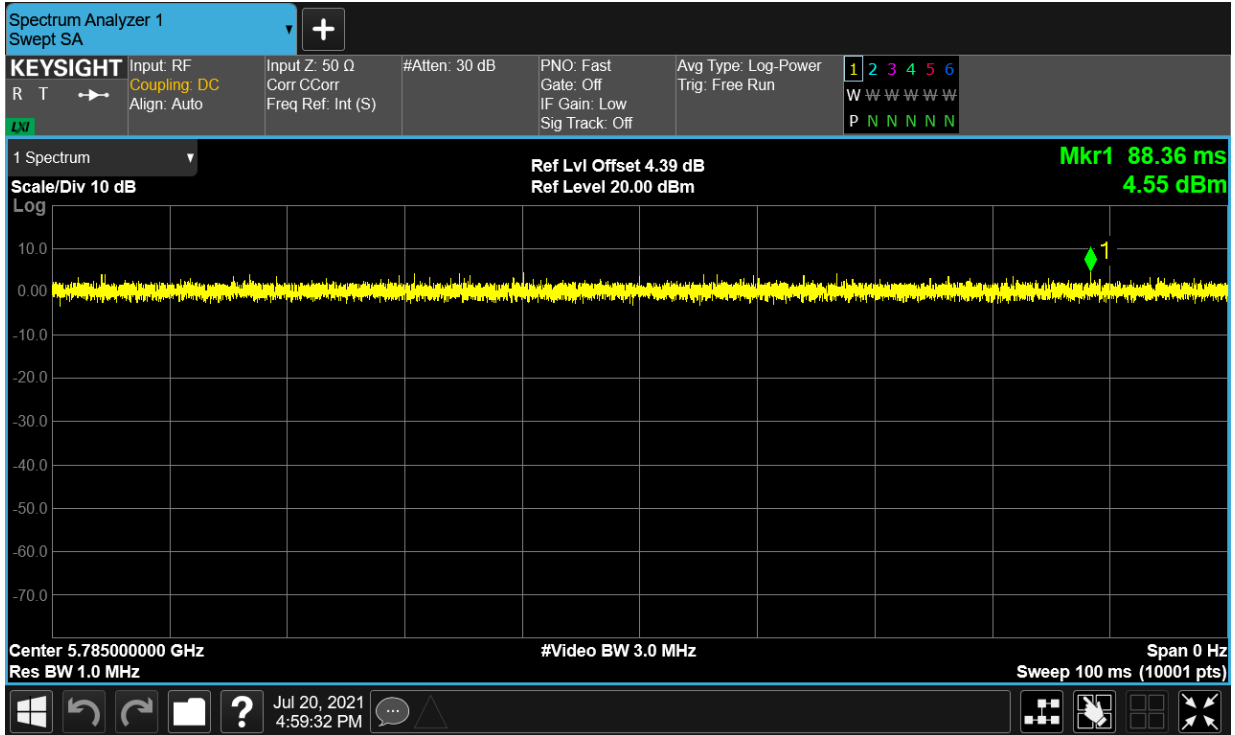
Duty Cycle NVNT a 5825MHz Ant1



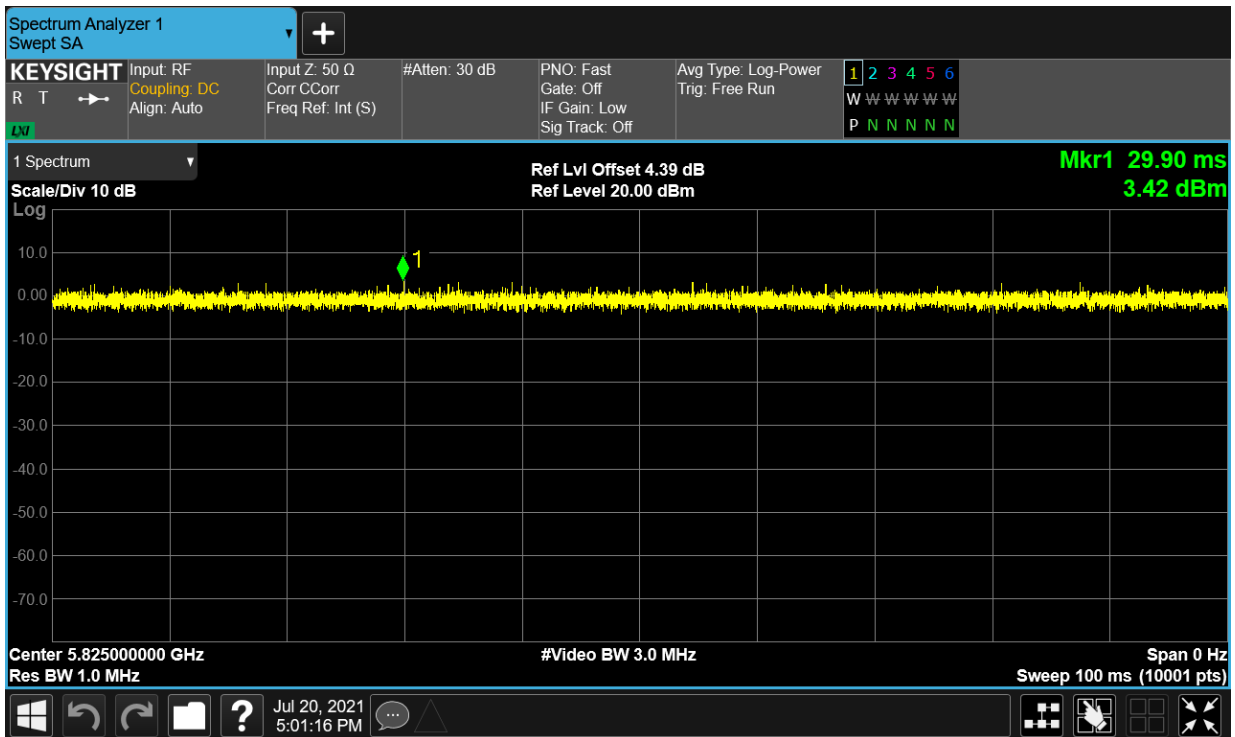
Duty Cycle NVNT ac20 5745MHz Ant1



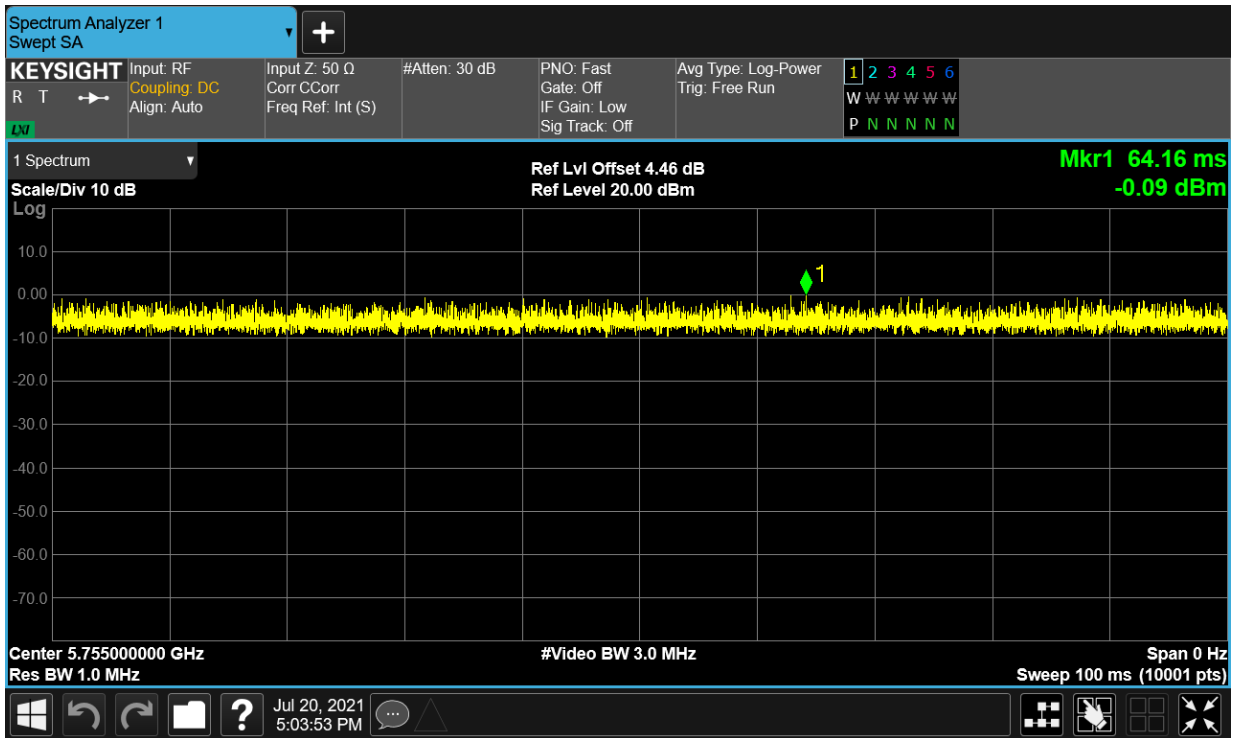
Duty Cycle NVNT ac20 5785MHz Ant1



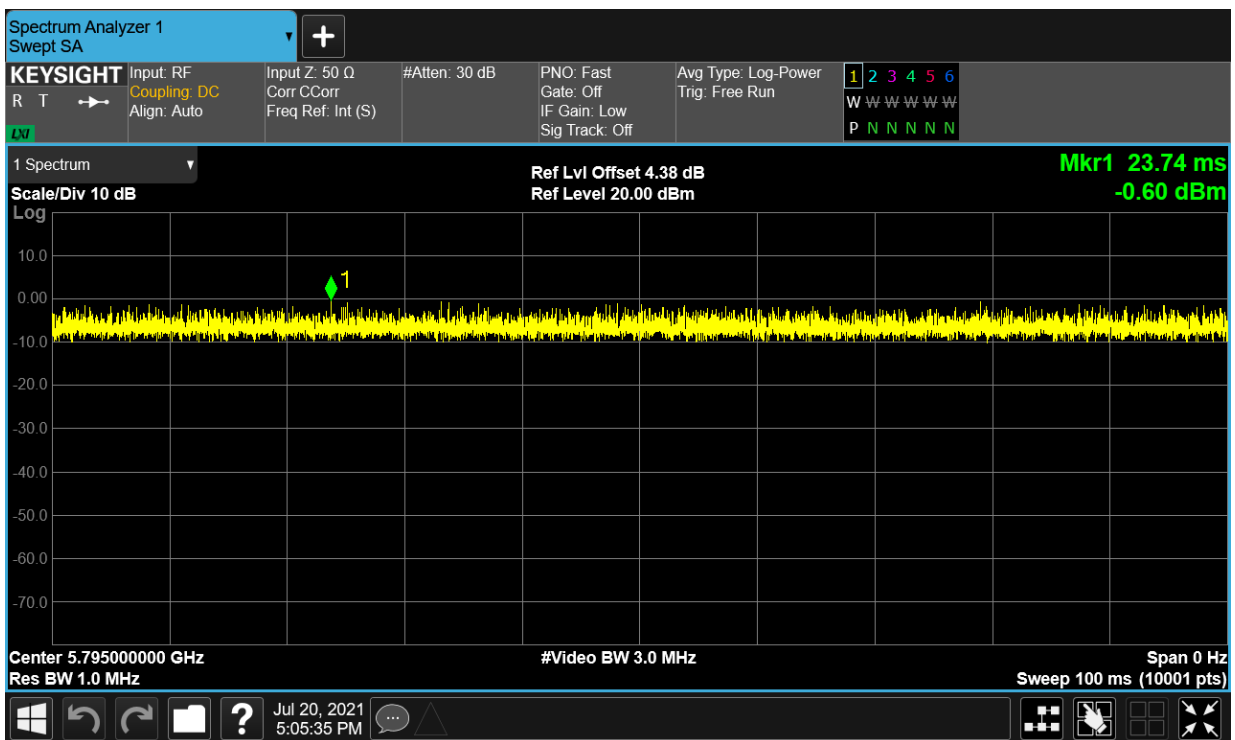
Duty Cycle NVNT ac20 5825MHz Ant1



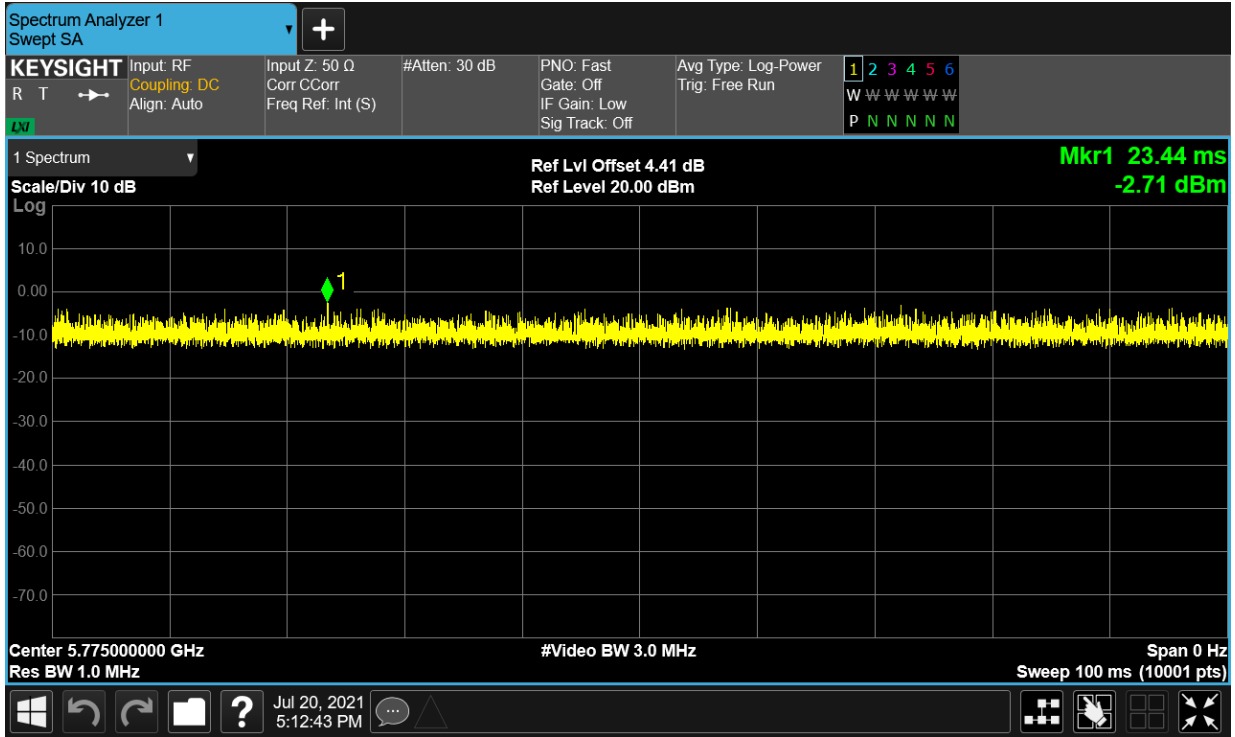
Duty Cycle NVNT ac40 5755MHz Ant1



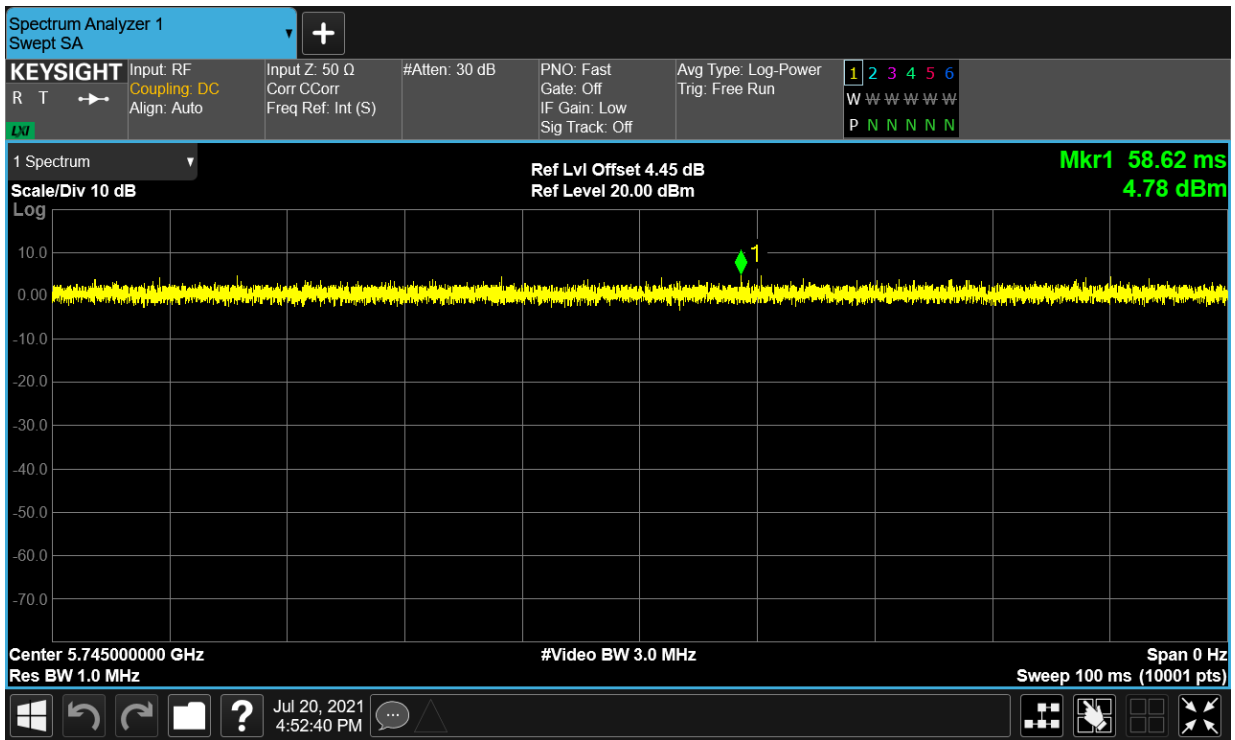
Duty Cycle NVNT ac40 5795MHz Ant1



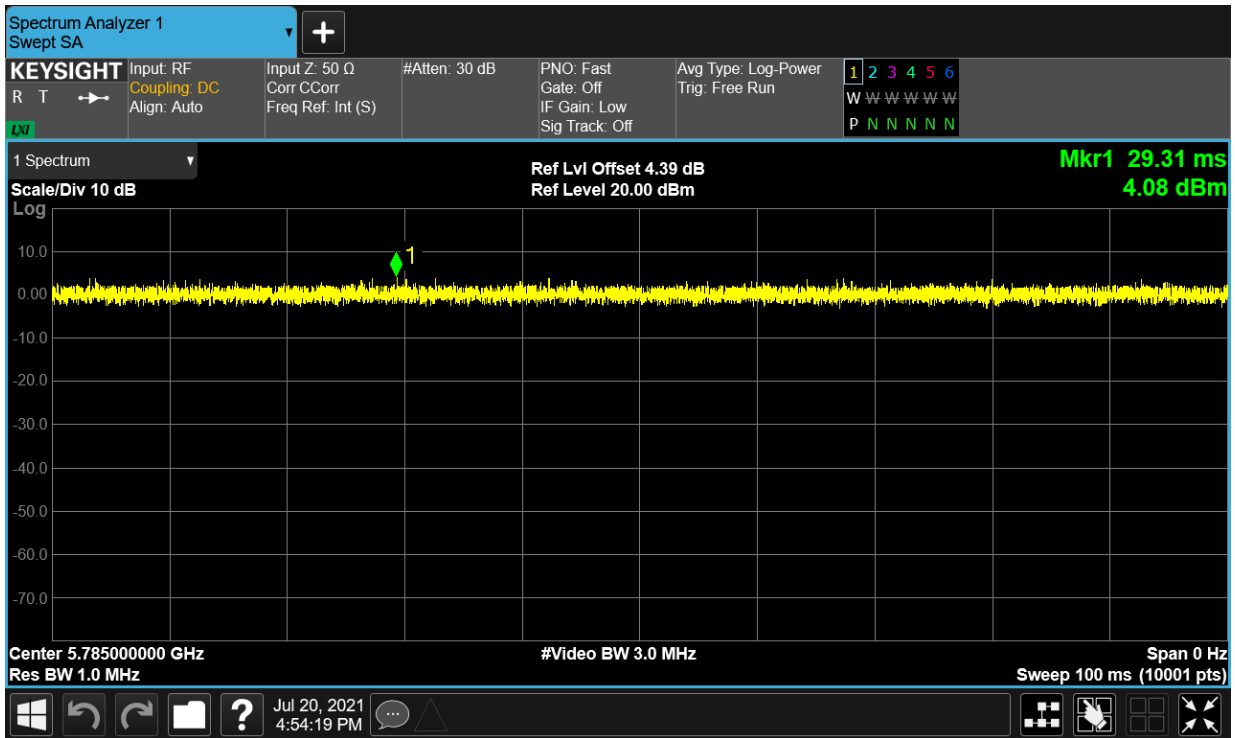
Duty Cycle NVNT ac80 5775MHz Ant1



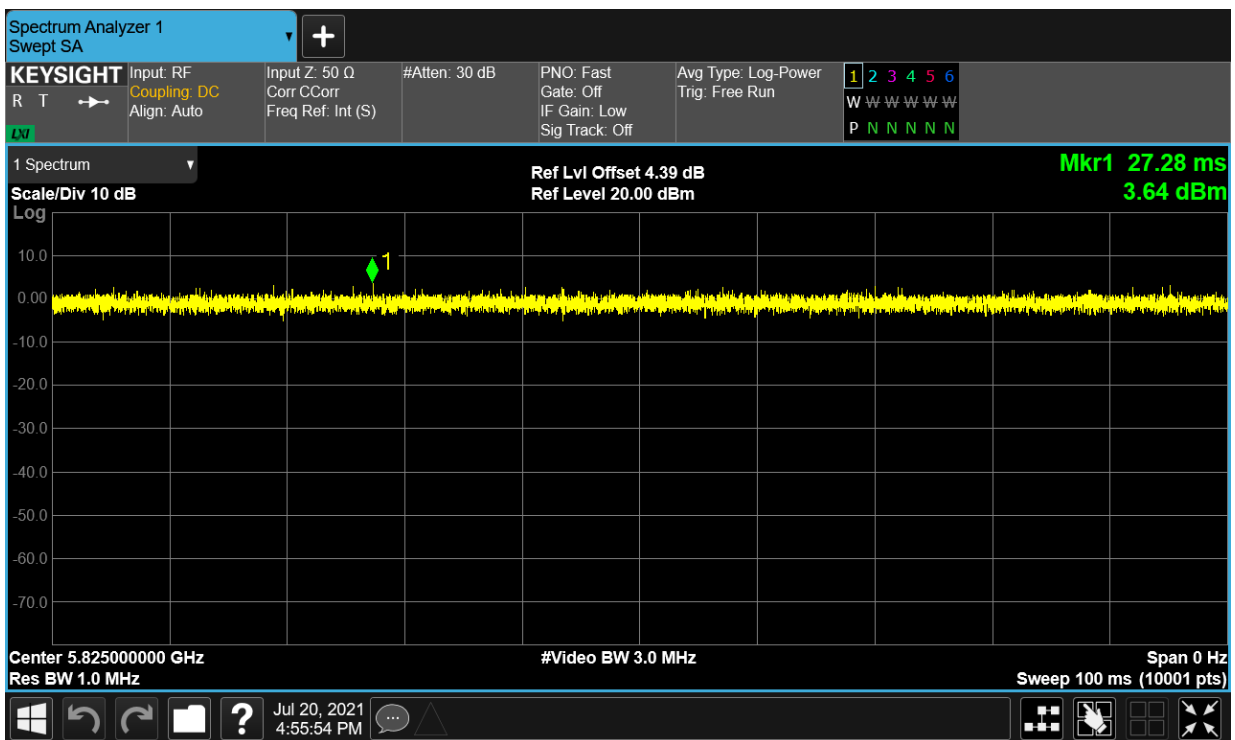
Duty Cycle NVNT n20 5745MHz Ant1



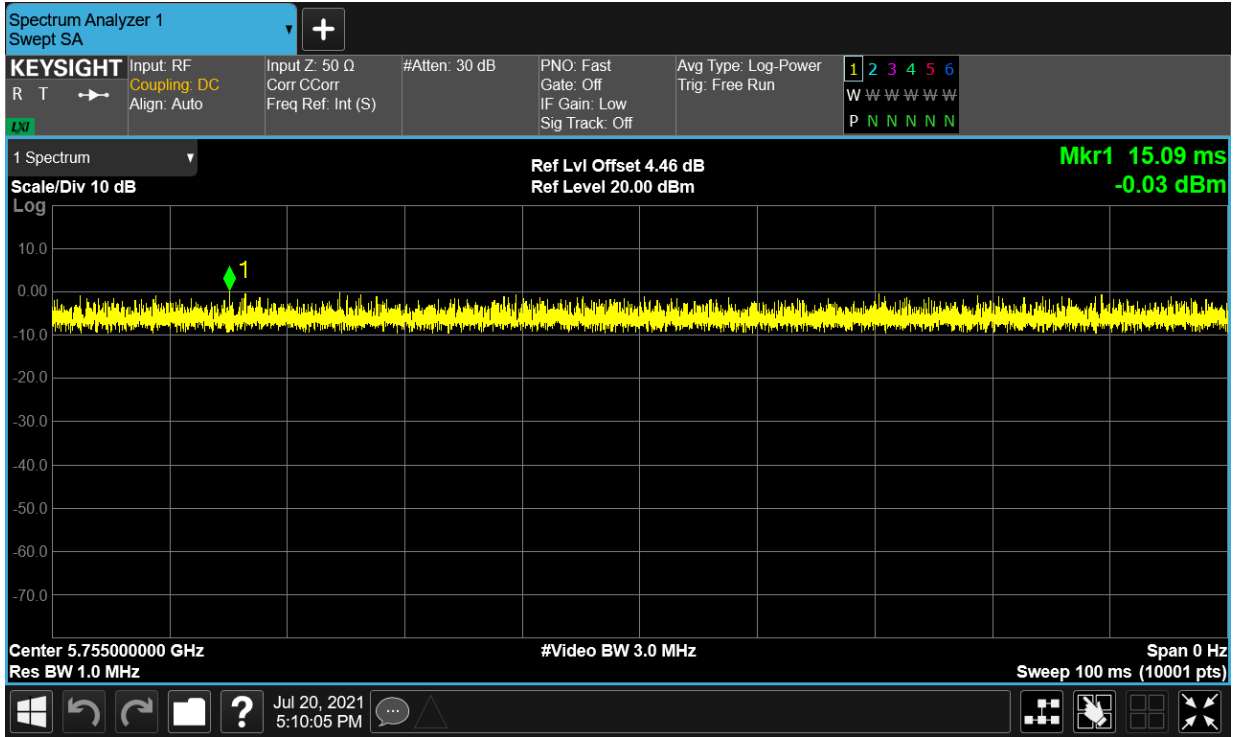
Duty Cycle NVNT n20 5785MHz Ant1



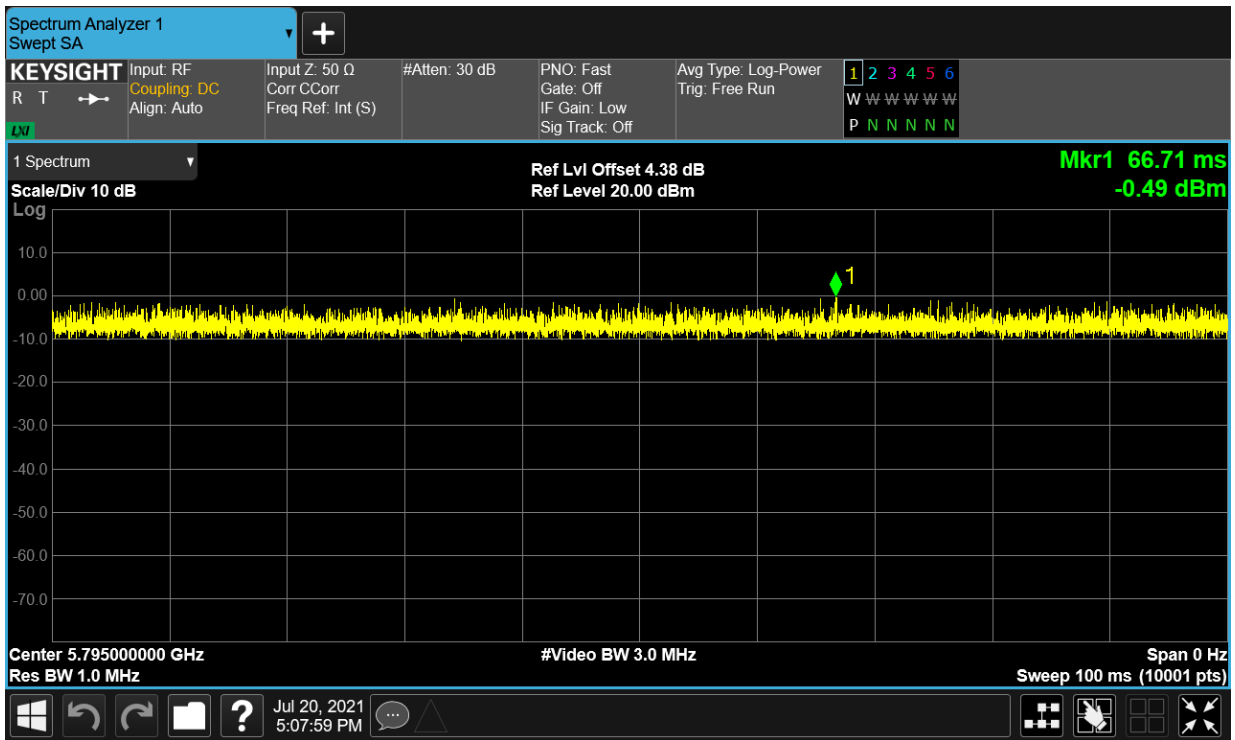
Duty Cycle NVNT n20 5825MHz Ant1



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	8.01	0	8.01	30	Pass
NVNT	a	5785	Ant1	7.76	0	7.76	30	Pass

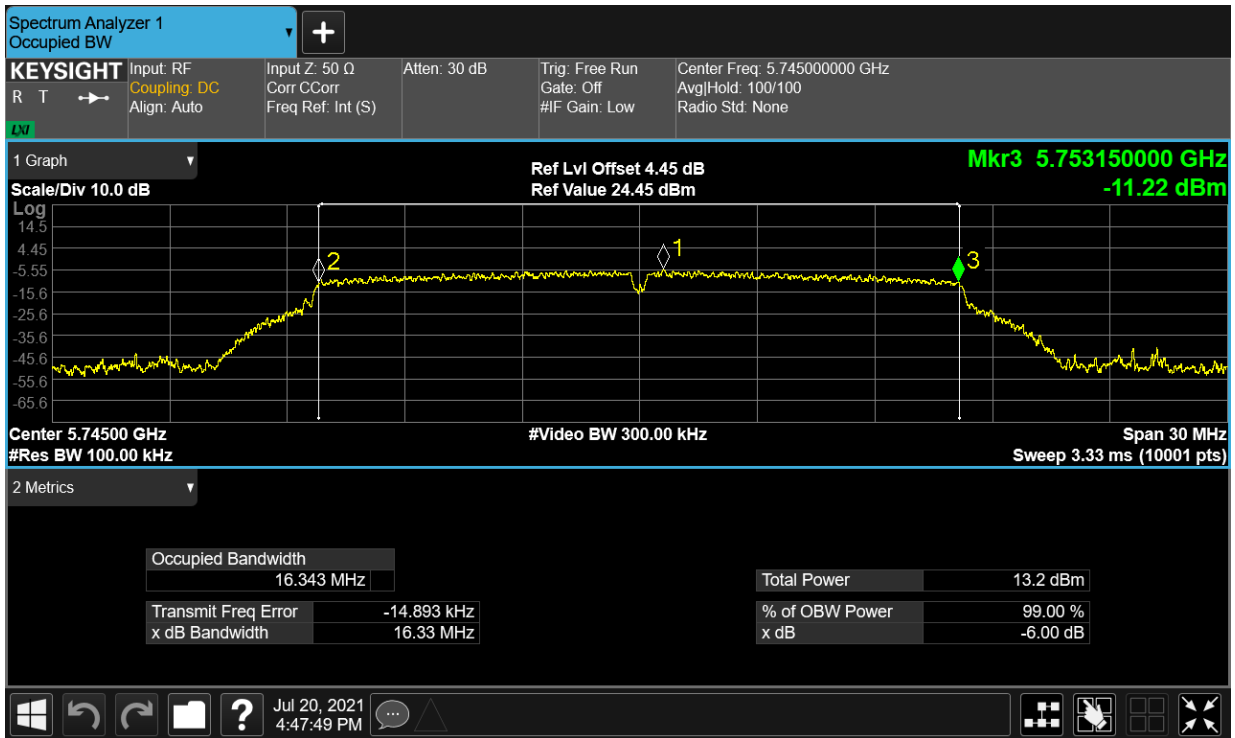


NVNT	a	5825	Ant1	6.6	0	6.6	30	Pass
NVNT	ac20	5745	Ant1	7.48	0	7.48	30	Pass
NVNT	ac20	5785	Ant1	7.71	0	7.71	30	Pass
NVNT	ac20	5825	Ant1	6.26	0	6.26	30	Pass
NVNT	ac40	5755	Ant1	7.21	0	7.21	30	Pass
NVNT	ac40	5795	Ant1	7.48	0	7.48	30	Pass
NVNT	ac80	5775	Ant1	7.16	0	7.16	30	Pass
NVNT	n20	5745	Ant1	7.45	0	7.45	30	Pass
NVNT	n20	5785	Ant1	7.7	0	7.7	30	Pass
NVNT	n20	5825	Ant1	6.26	0	6.26	30	Pass
NVNT	n40	5755	Ant1	7.24	0	7.24	30	Pass
NVNT	n40	5795	Ant1	7.28	0	7.28	30	Pass

**-6dB Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.33	0.5	Pass
NVNT	a	5785	Ant1	16.29	0.5	Pass
NVNT	a	5825	Ant1	16.344	0.5	Pass
NVNT	ac20	5745	Ant1	17.332	0.5	Pass
NVNT	ac20	5785	Ant1	17.552	0.5	Pass
NVNT	ac20	5825	Ant1	17.59	0.5	Pass
NVNT	ac40	5755	Ant1	35.909	0.5	Pass
NVNT	ac40	5795	Ant1	35.307	0.5	Pass
NVNT	ac80	5775	Ant1	75.431	0.5	Pass
NVNT	n20	5745	Ant1	17.553	0.5	Pass
NVNT	n20	5785	Ant1	17.567	0.5	Pass
NVNT	n20	5825	Ant1	17.579	0.5	Pass
NVNT	n40	5755	Ant1	35.953	0.5	Pass
NVNT	n40	5795	Ant1	35.898	0.5	Pass

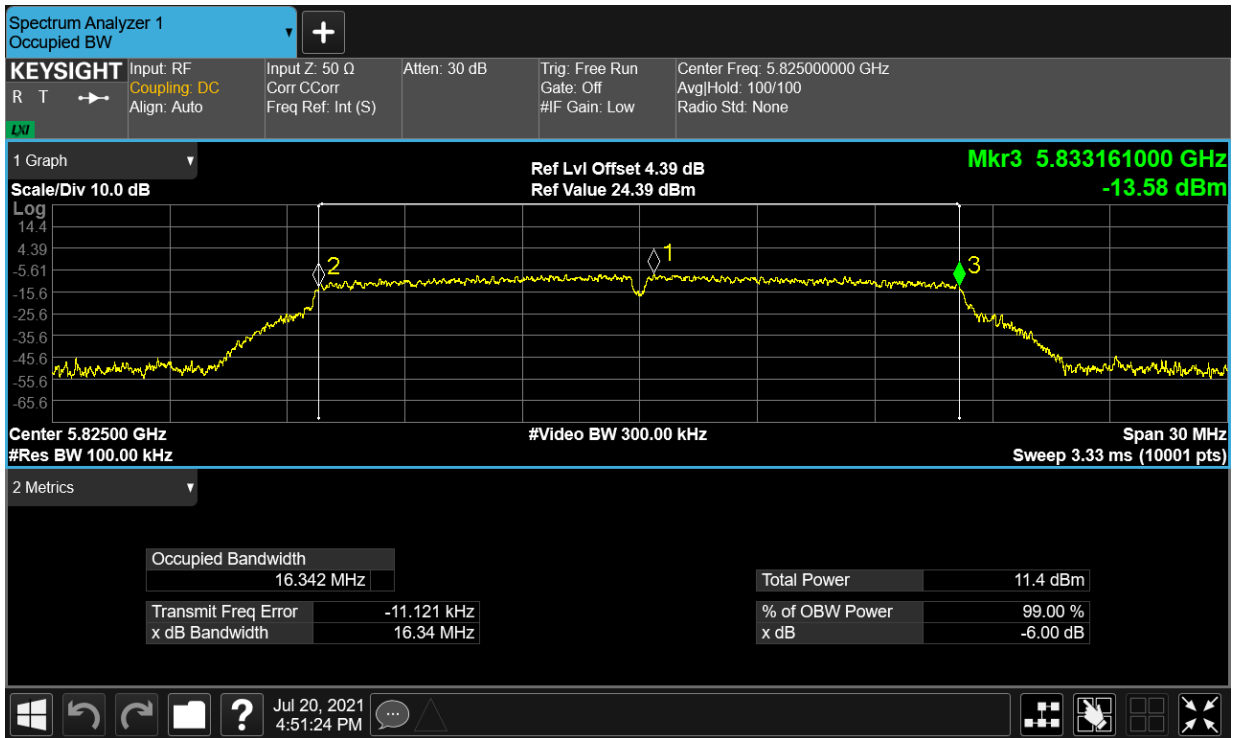
-6dB Bandwidth NVNT a 5745MHz Ant1



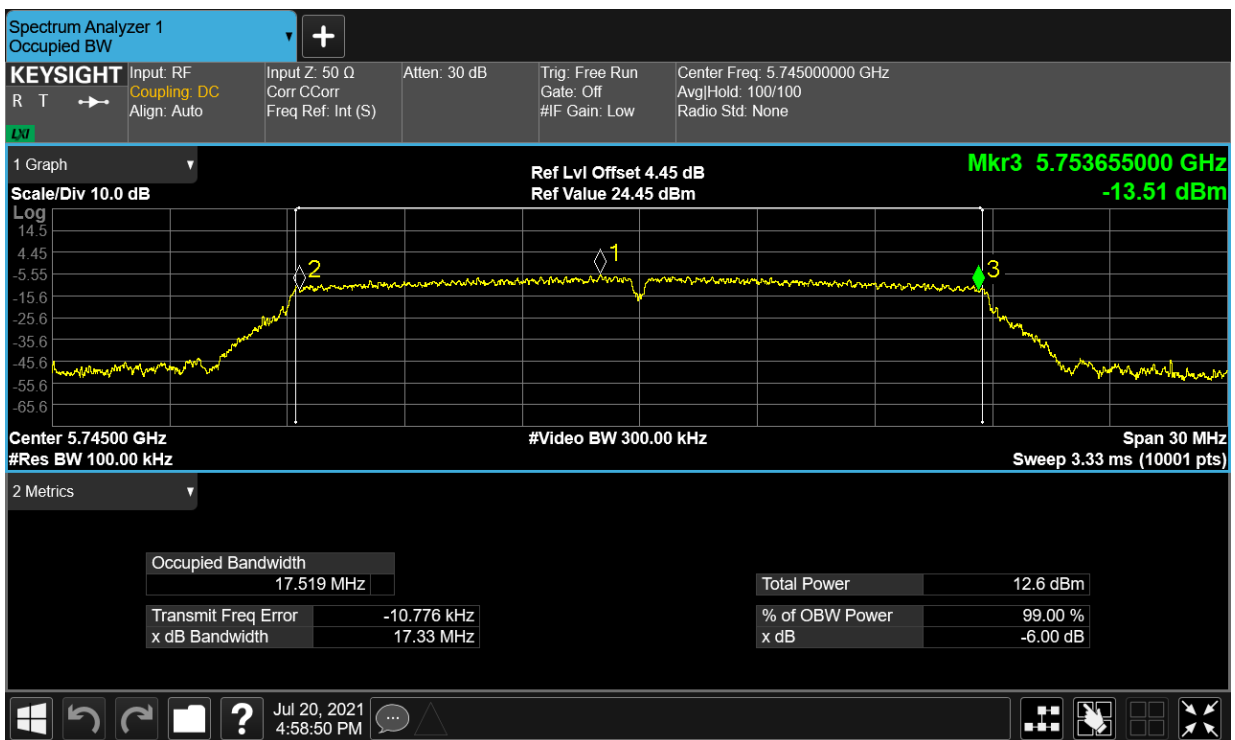
-6dB Bandwidth NVNT a 5785MHz Ant1



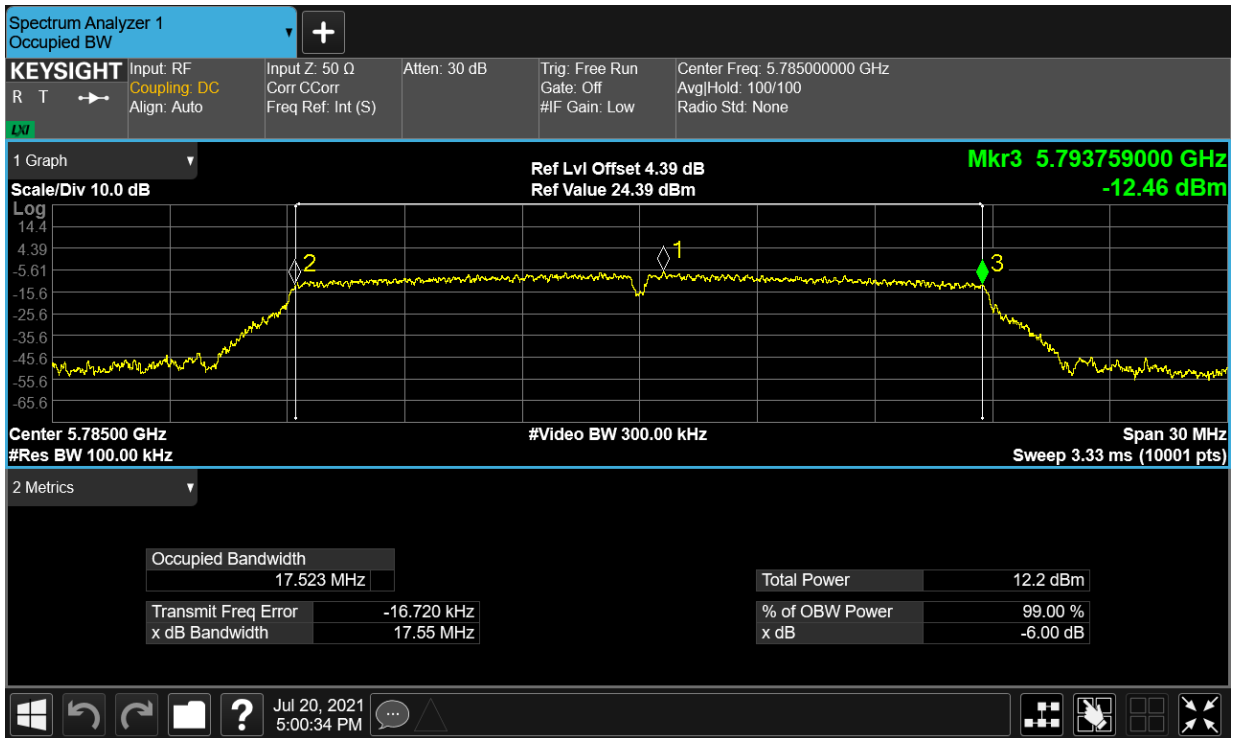
-6dB Bandwidth NVNT a 5825MHz Ant1



-6dB Bandwidth NVNT ac20 5745MHz Ant1



-6dB Bandwidth NVNT ac20 5785MHz Ant1



-6dB Bandwidth NVNT ac20 5825MHz Ant1



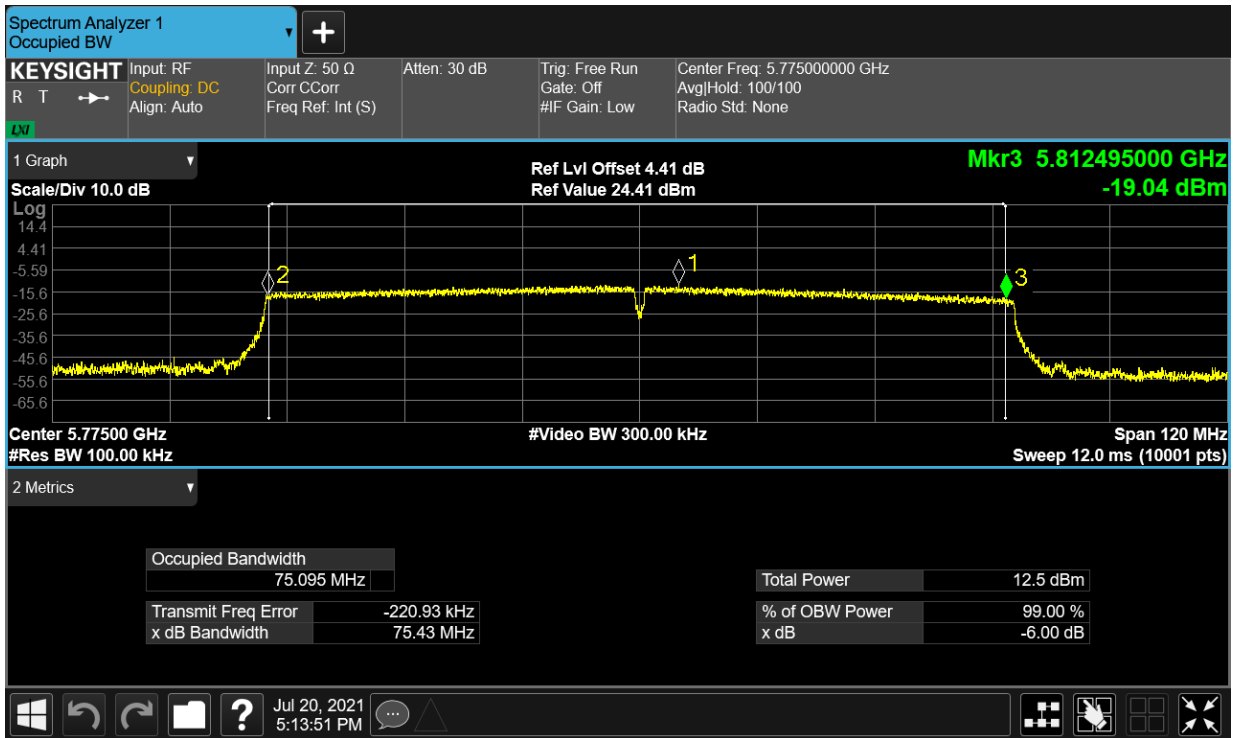
-6dB Bandwidth NVNT ac40 5755MHz Ant1



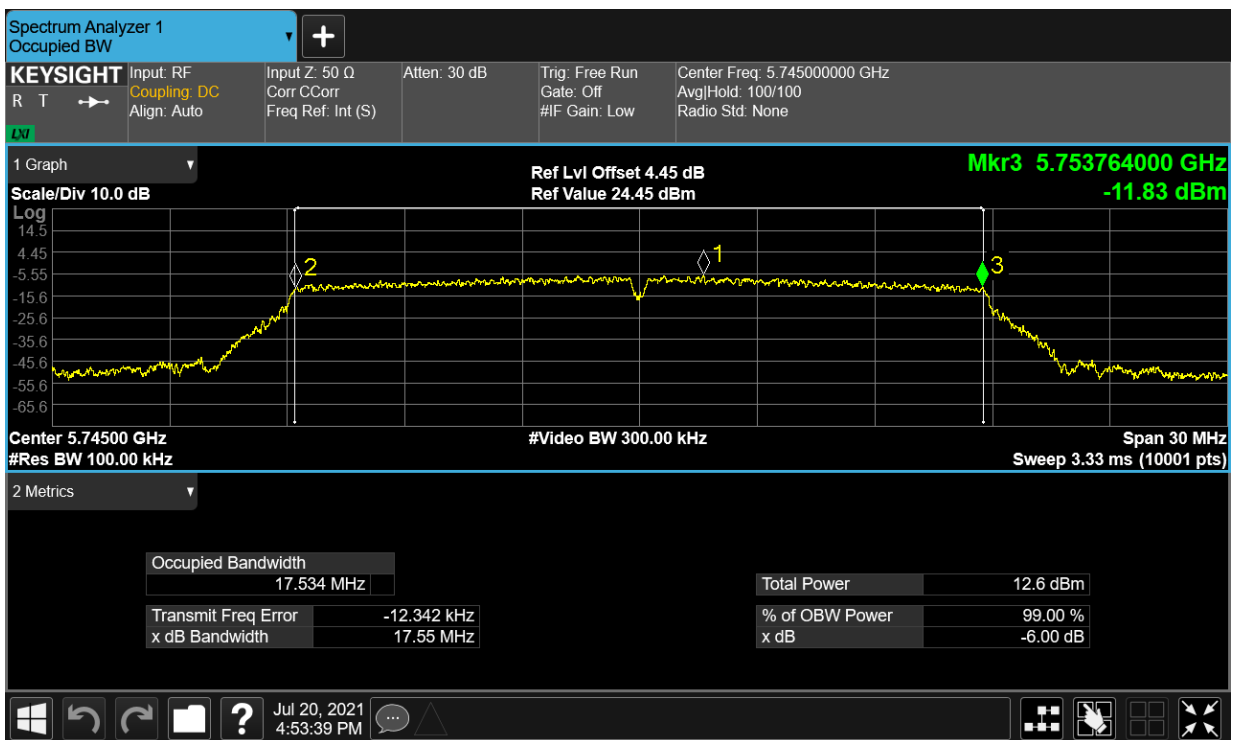
-6dB Bandwidth NVNT ac40 5795MHz Ant1



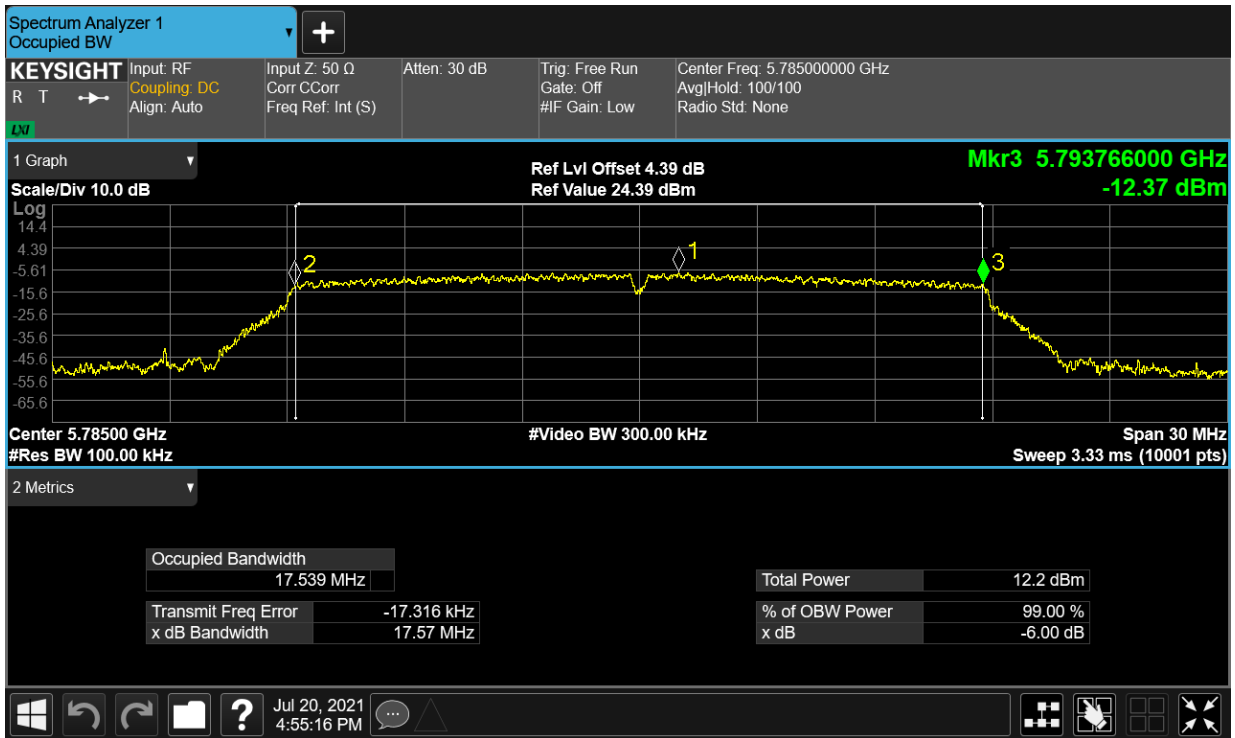
-6dB Bandwidth NVNT ac80 5775MHz Ant1



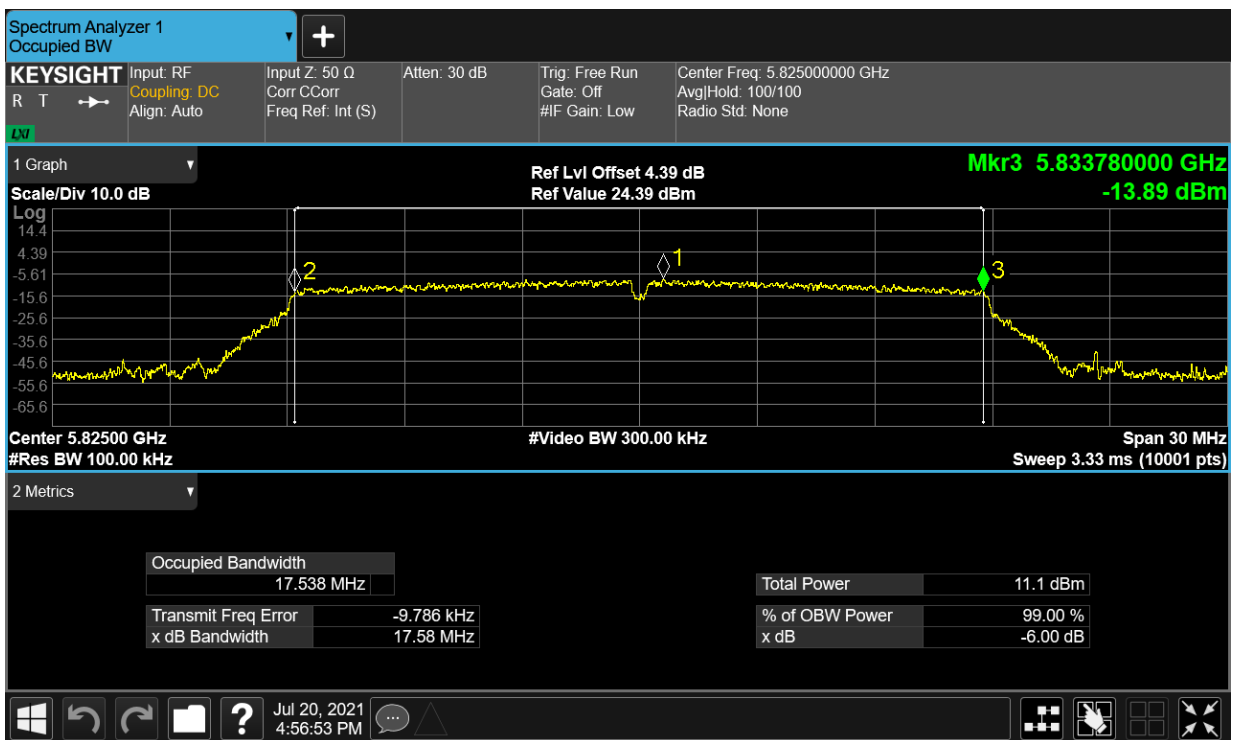
-6dB Bandwidth NVNT n20 5745MHz Ant1



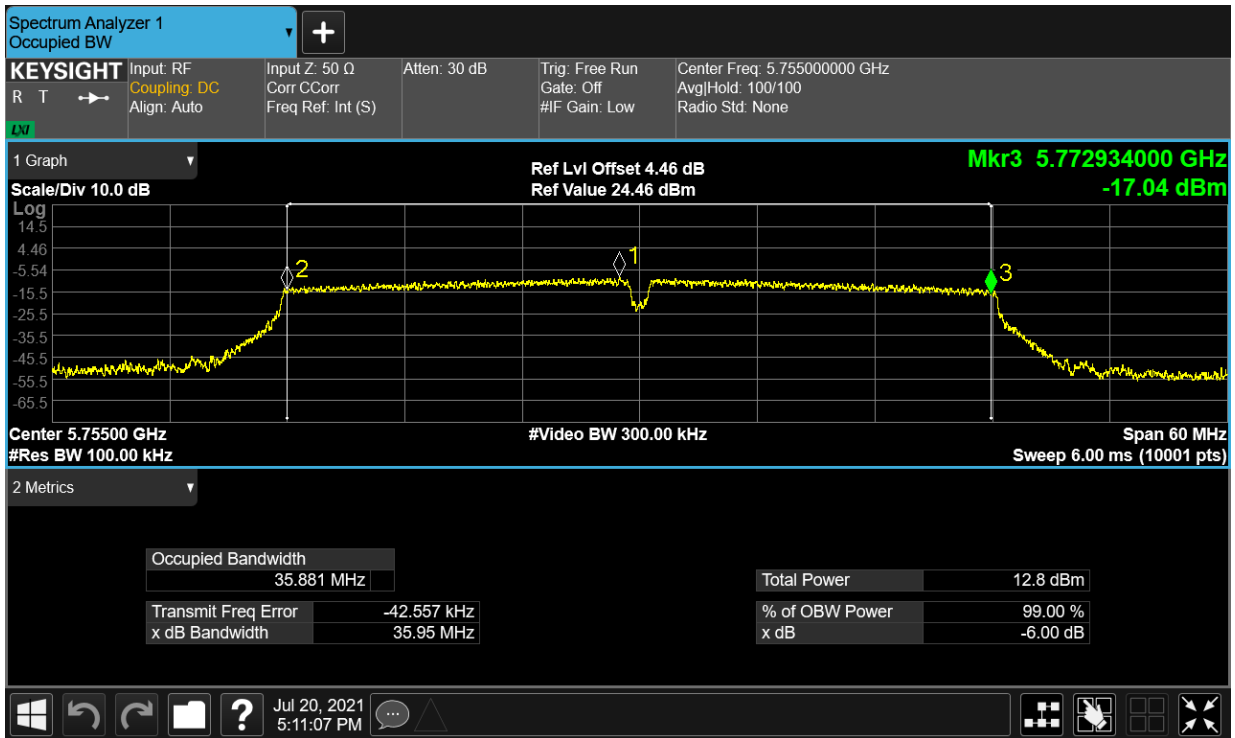
-6dB Bandwidth NVNT n20 5785MHz Ant1



-6dB Bandwidth NVNT n20 5825MHz Ant1



-6dB Bandwidth NVNT n40 5755MHz Ant1



-6dB Bandwidth NVNT n40 5795MHz Ant1



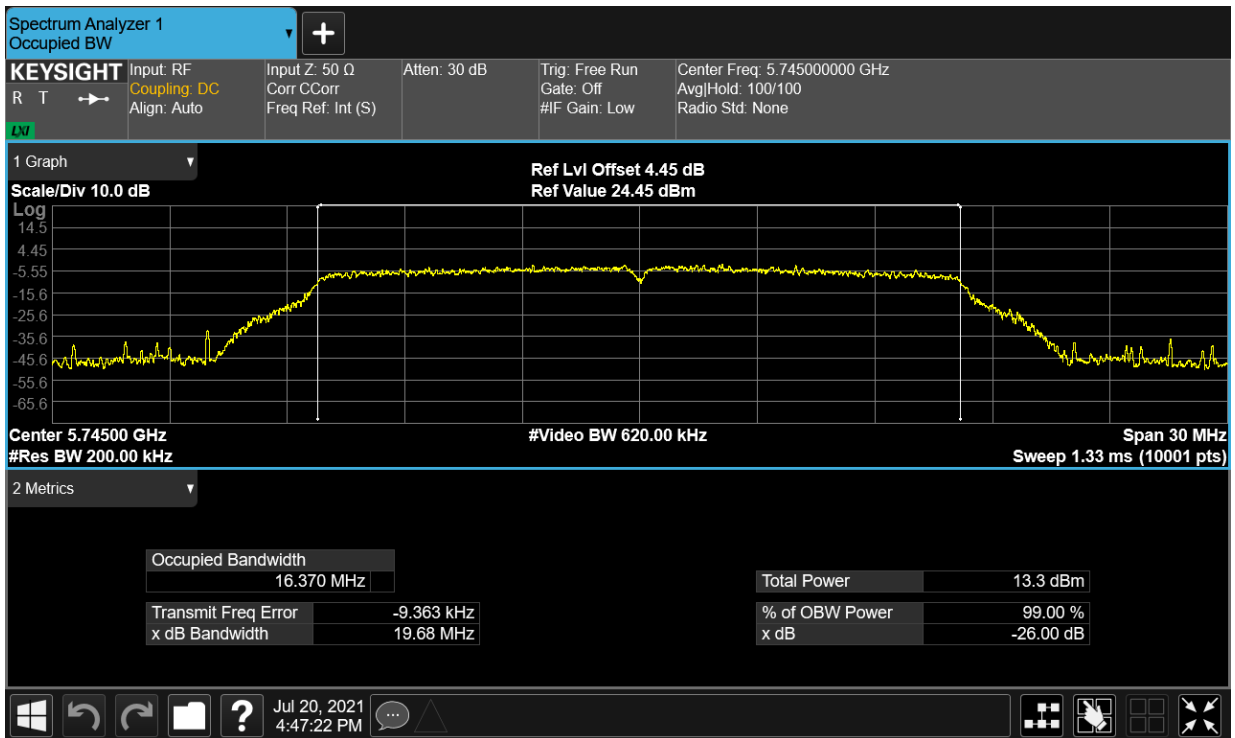
**Occupied Channel Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.37005372
NVNT	a	5785	Ant1	16.39002929
NVNT	a	5825	Ant1	16.45753795

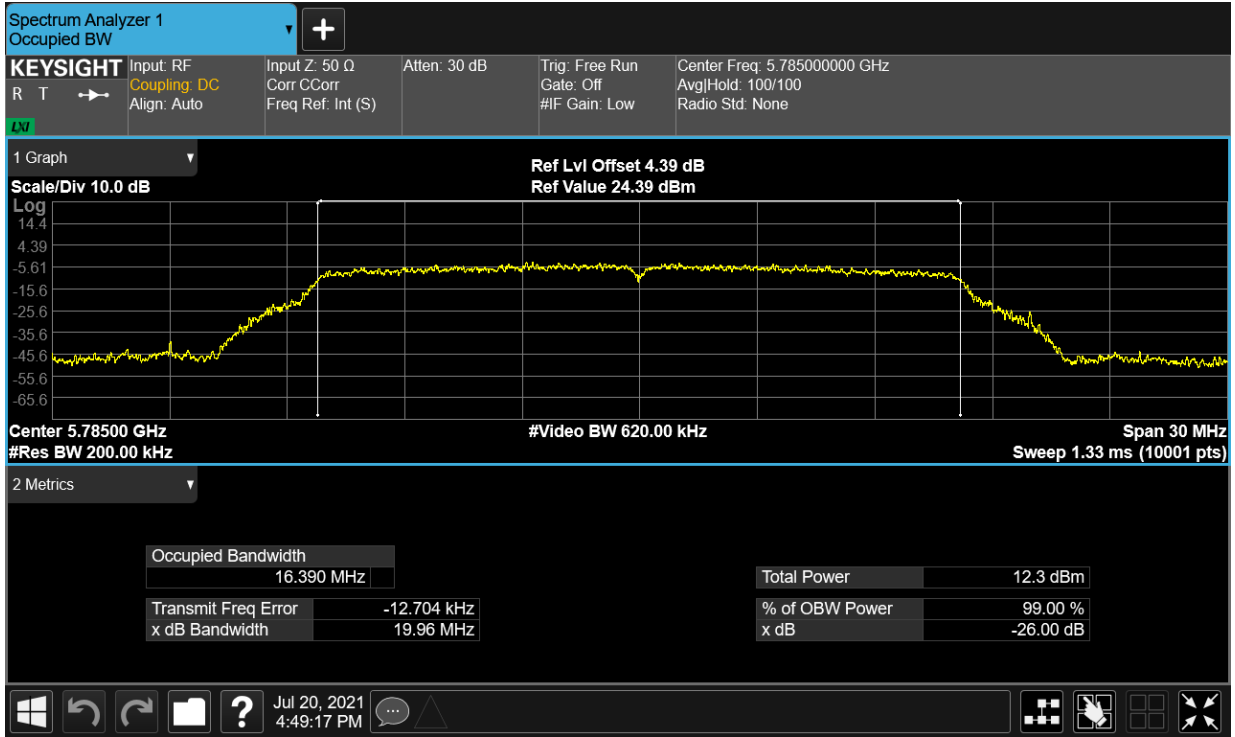


NVNT	ac20	5745	Ant1	17.54463409
NVNT	ac20	5785	Ant1	17.54385841
NVNT	ac20	5825	Ant1	17.55910781
NVNT	ac40	5755	Ant1	35.92512042
NVNT	ac40	5795	Ant1	35.89027931
NVNT	ac80	5775	Ant1	75.0663879
NVNT	n20	5745	Ant1	17.54696023
NVNT	n20	5785	Ant1	17.53157436
NVNT	n20	5825	Ant1	17.53799278
NVNT	n40	5755	Ant1	35.94802091
NVNT	n40	5795	Ant1	35.92745394

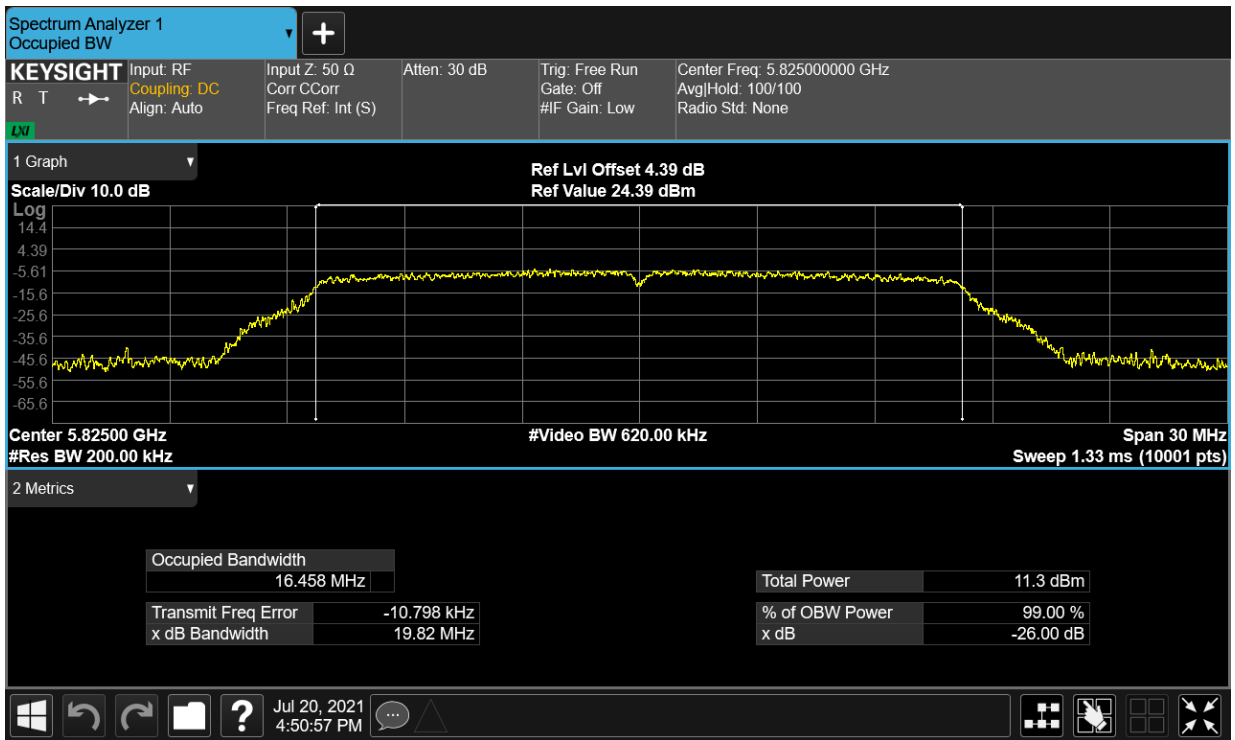
OBW NVNT a 5745MHz Ant1



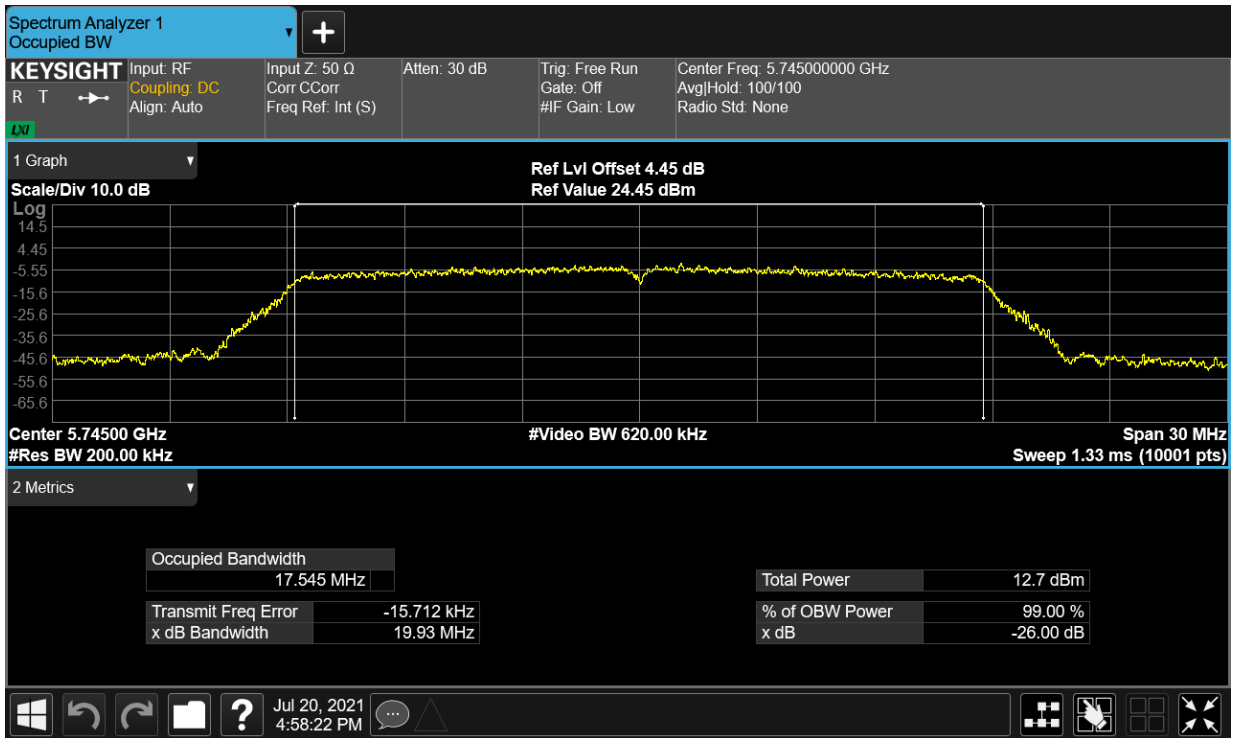
OBW NVNT a 5785MHz Ant1



OBW NVNT a 5825MHz Ant1



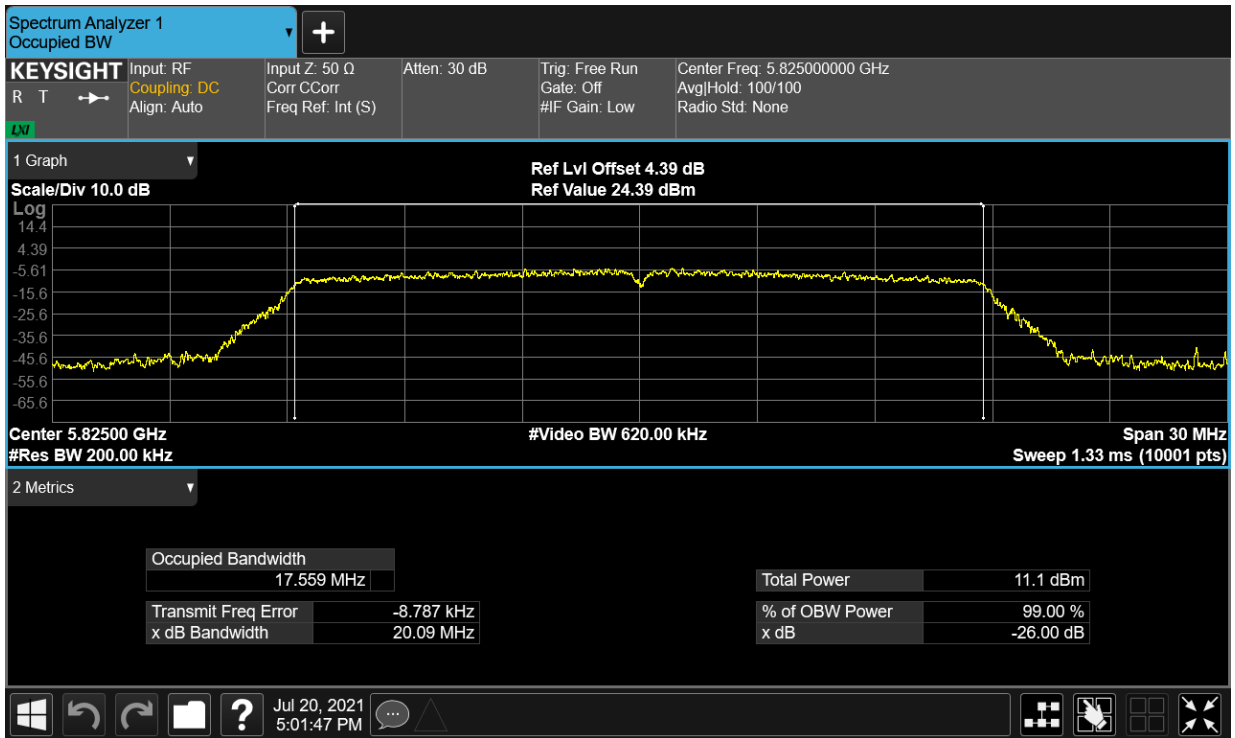
OBW NVNT ac20 5745MHz Ant1



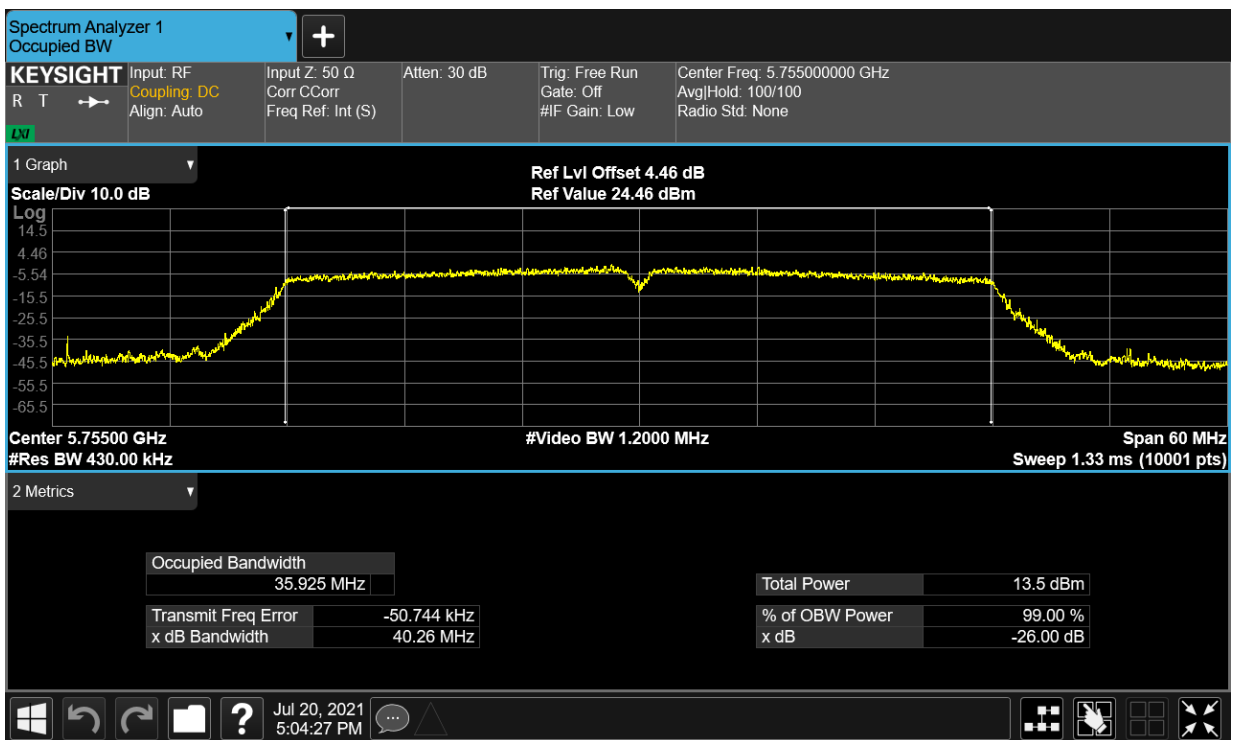
OBW NVNT ac20 5785MHz Ant1



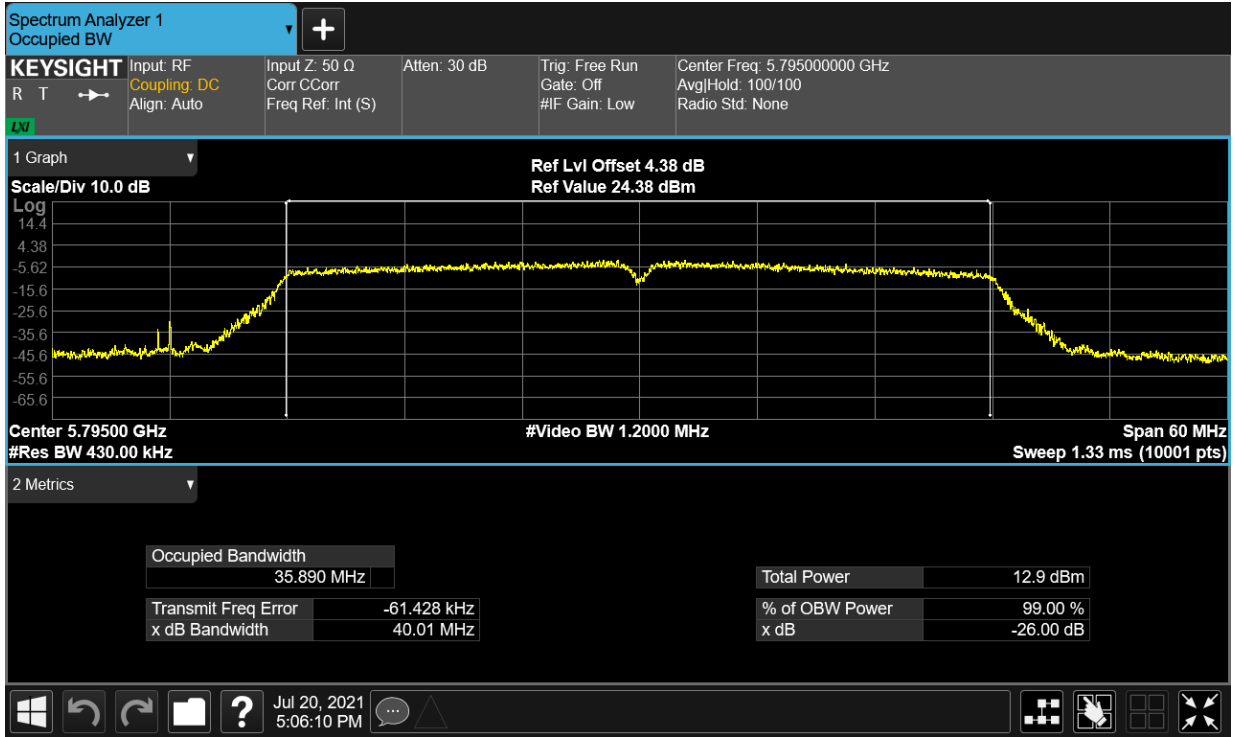
OBW NVNT ac20 5825MHz Ant1



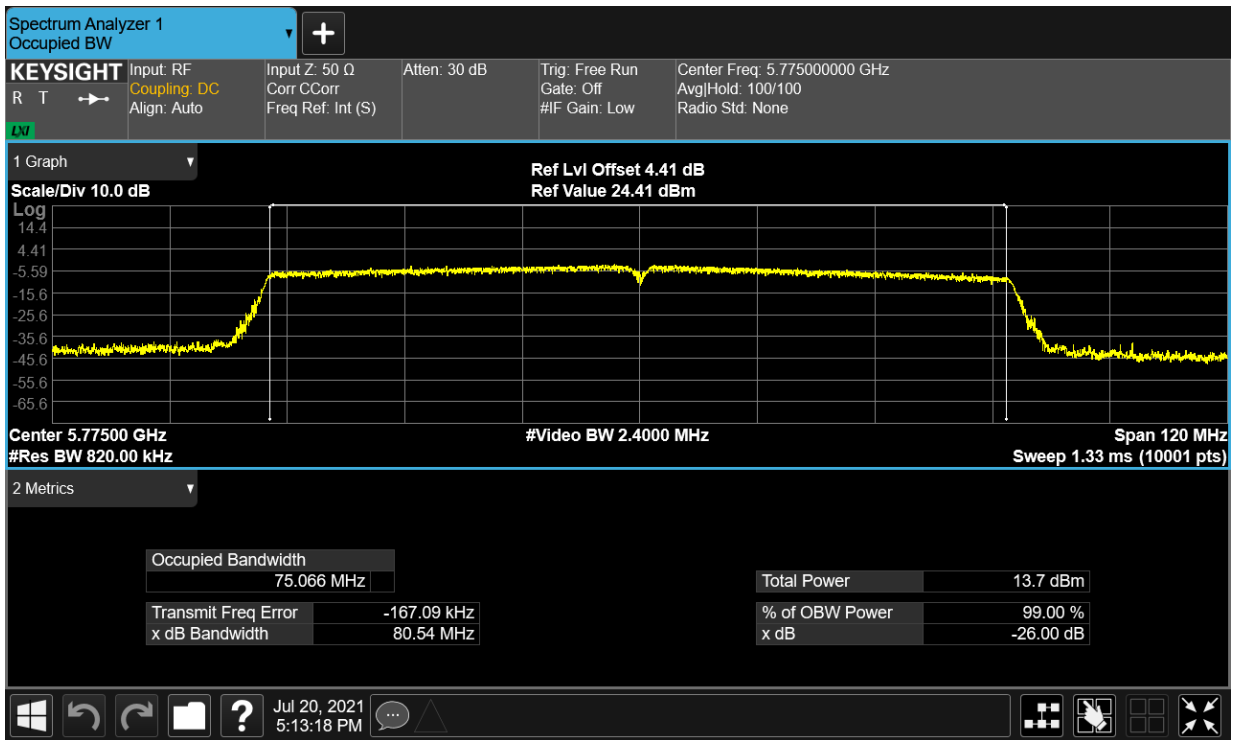
OBW NVNT ac40 5755MHz Ant1



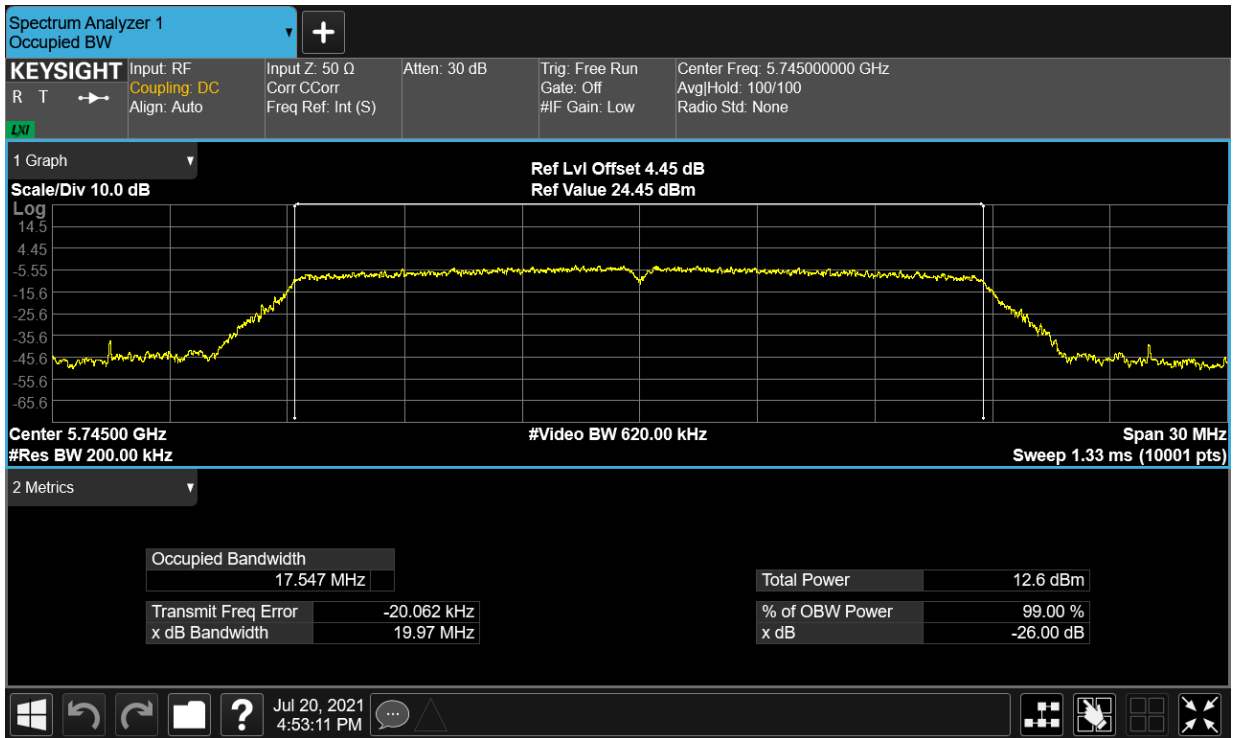
OBW NVNT ac40 5795MHz Ant1



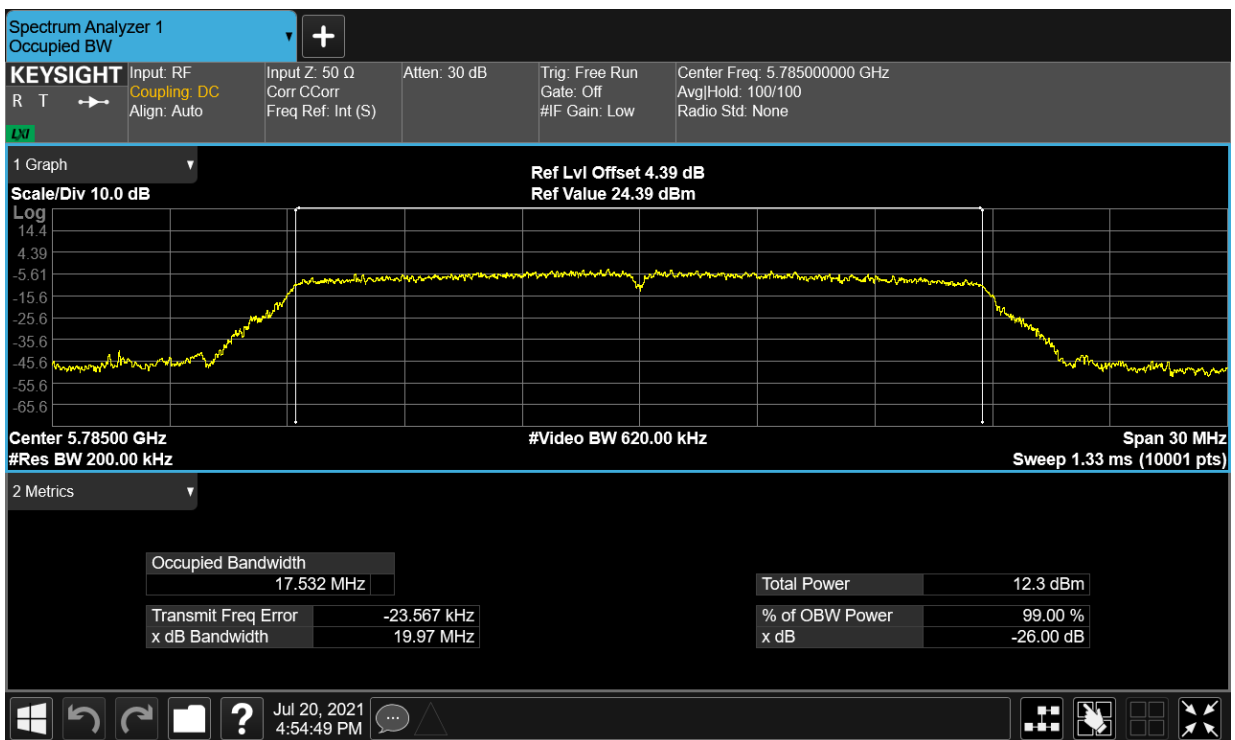
OBW NVNT ac80 5775MHz Ant1



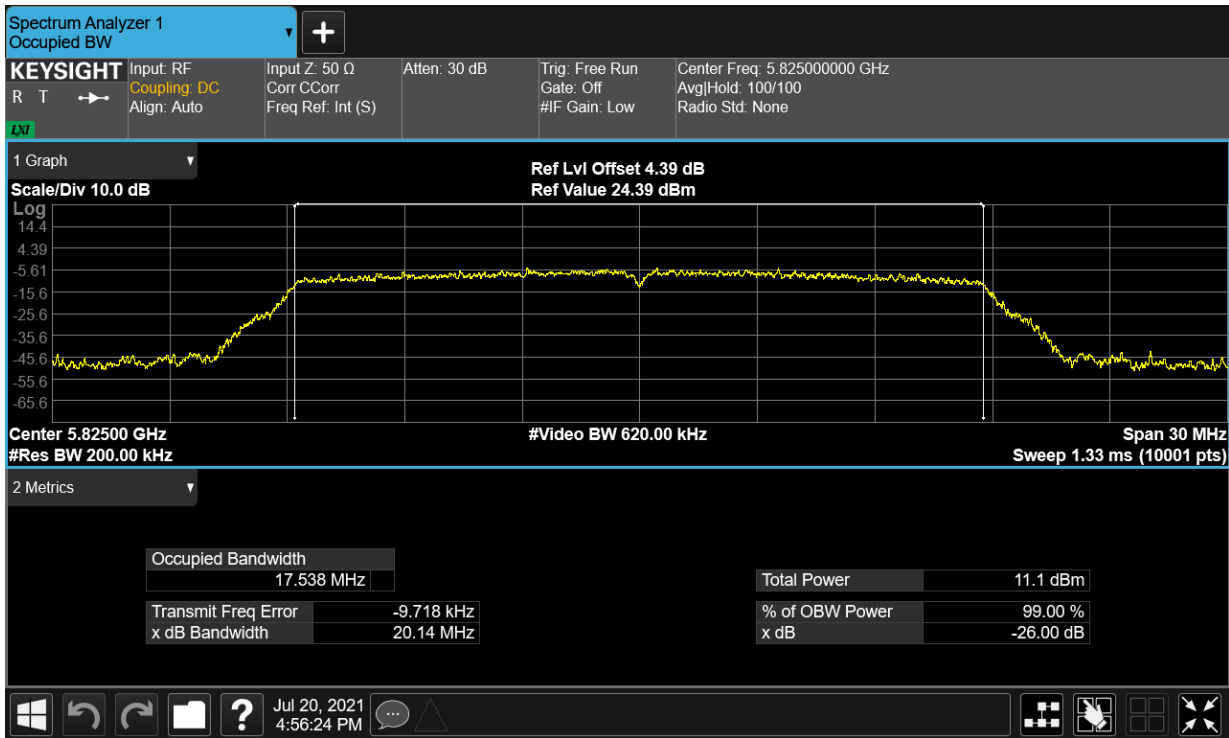
OBW NVNT n20 5745MHz Ant1



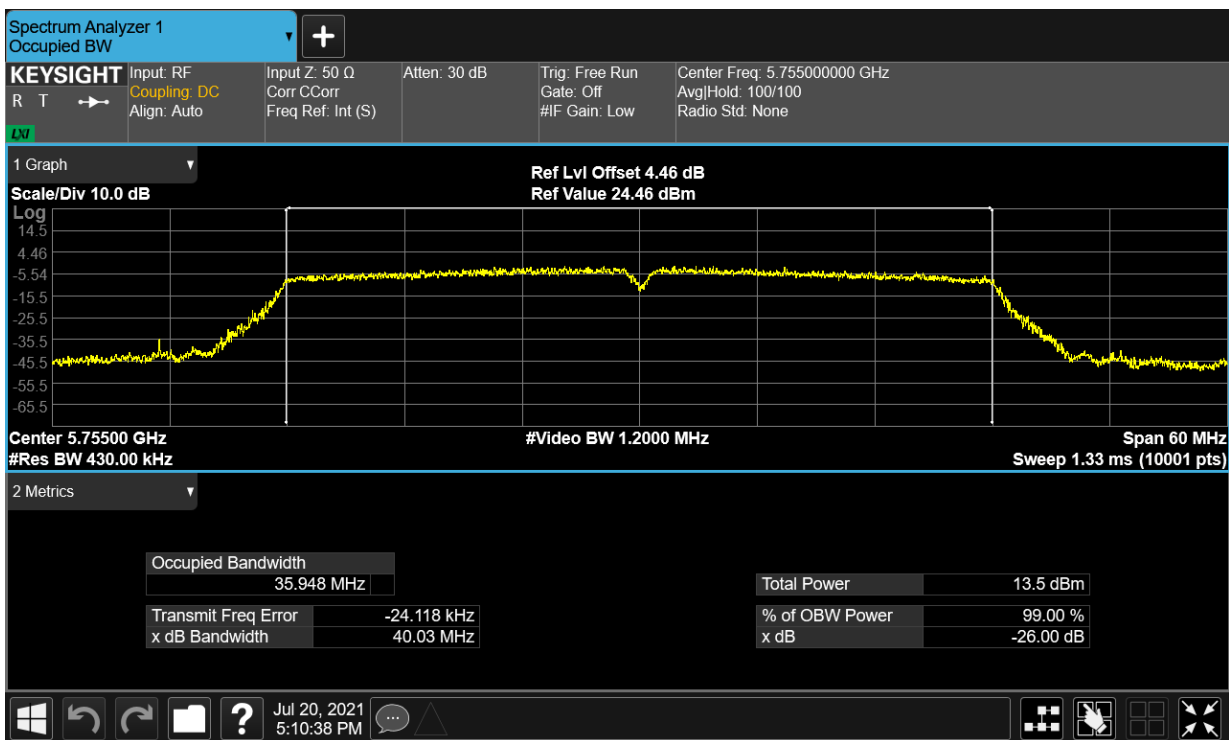
OBW NVNT n20 5785MHz Ant1



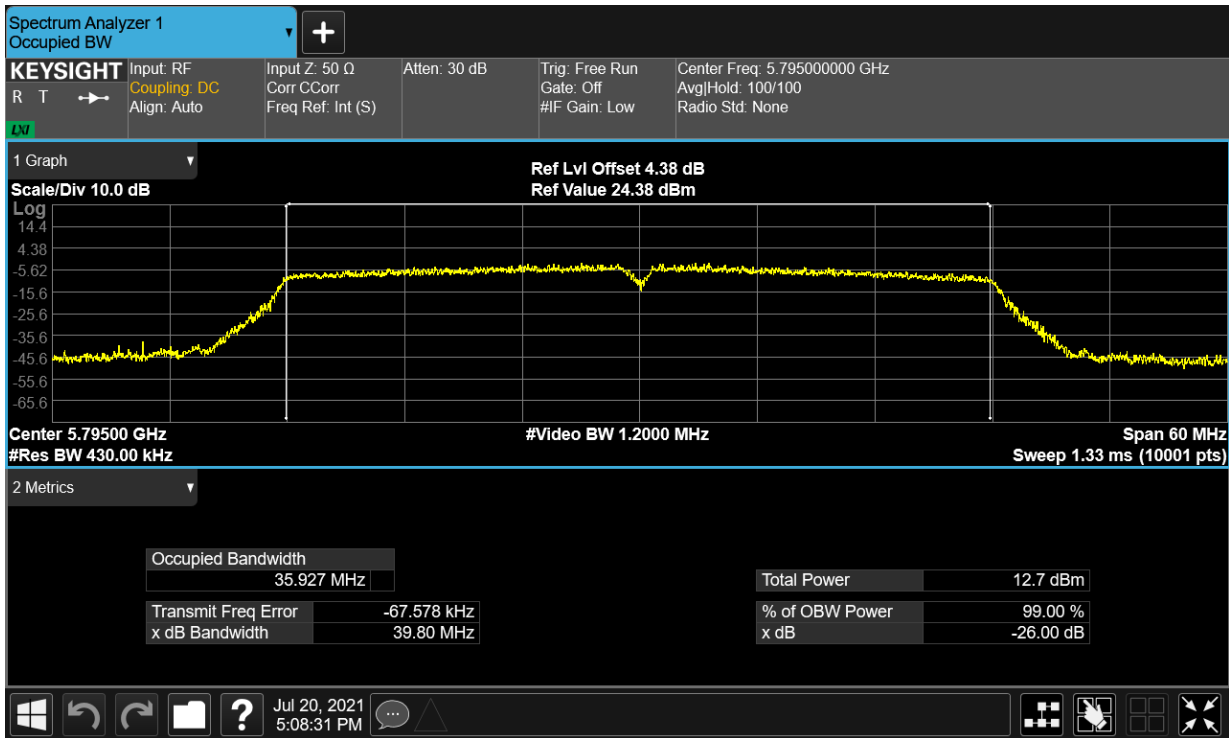
OBW NVNT n20 5825MHz Ant1



OBW NVNT n40 5755MHz Ant1



OBW NVNT n40 5795MHz Ant1



**Maximum Power Spectral Density Level**

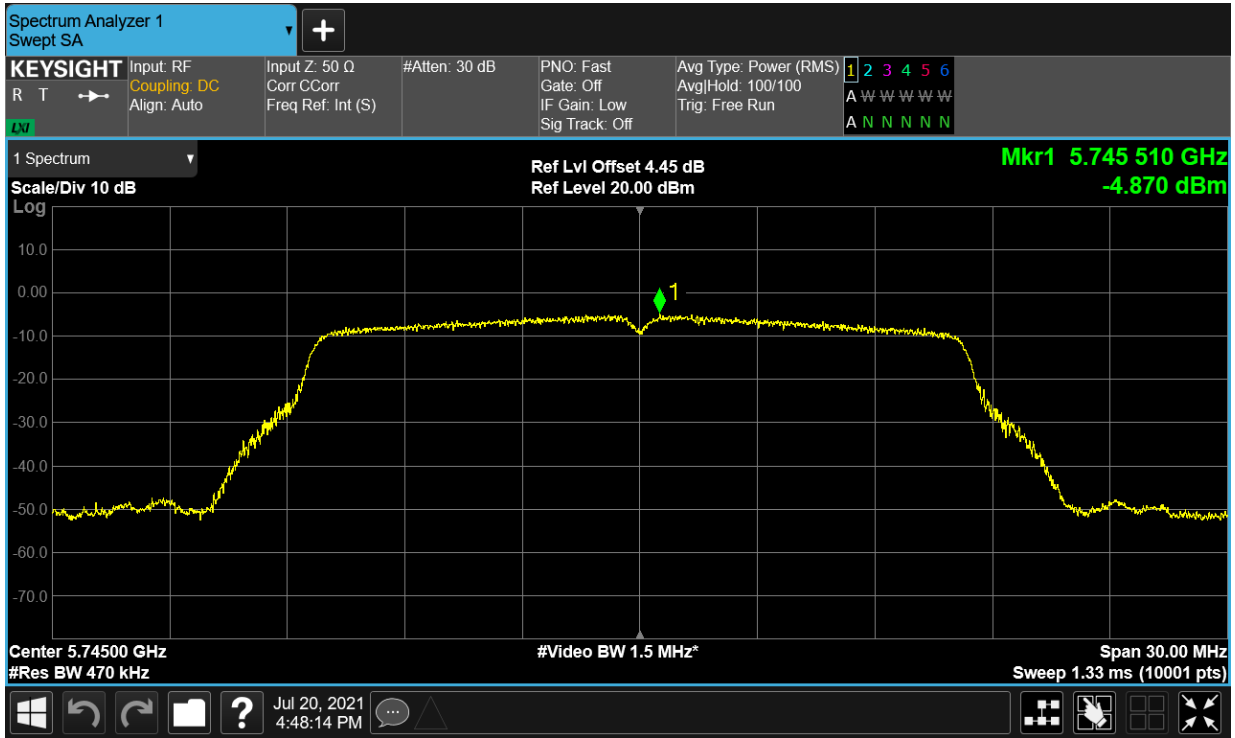
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Correction factor	Total Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-4.87	0.269	-4.601	30	Pass
NVNT	a	5785	Ant1	-6.013	0.269	-5.744	30	Pass
NVNT	a	5825	Ant1	-7.063	0.269	-6.794	30	Pass
NVNT	ac20	5745	Ant1	-5.845	0.269	-5.576	30	Pass
NVNT	ac20	5785	Ant1	-6.117	0.269	-5.848	30	Pass
NVNT	ac20	5825	Ant1	-7.588	0.269	-7.319	30	Pass
NVNT	ac40	5755	Ant1	-8.257	0.269	-7.988	30	Pass
NVNT	ac40	5795	Ant1	-8.589	0.269	-8.32	30	Pass
NVNT	ac80	5775	Ant1	-11.524	0.269	-11.255	30	Pass
NVNT	n20	5745	Ant1	-5.95	0.269	-5.681	30	Pass
NVNT	n20	5785	Ant1	-6.163	0.269	-5.894	30	Pass
NVNT	n20	5825	Ant1	-7.534	0.269	-7.265	30	Pass
NVNT	n40	5755	Ant1	-8.215	0.269	-7.946	30	Pass
NVNT	n40	5795	Ant1	-9.027	0.269	-8.758	30	Pass

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

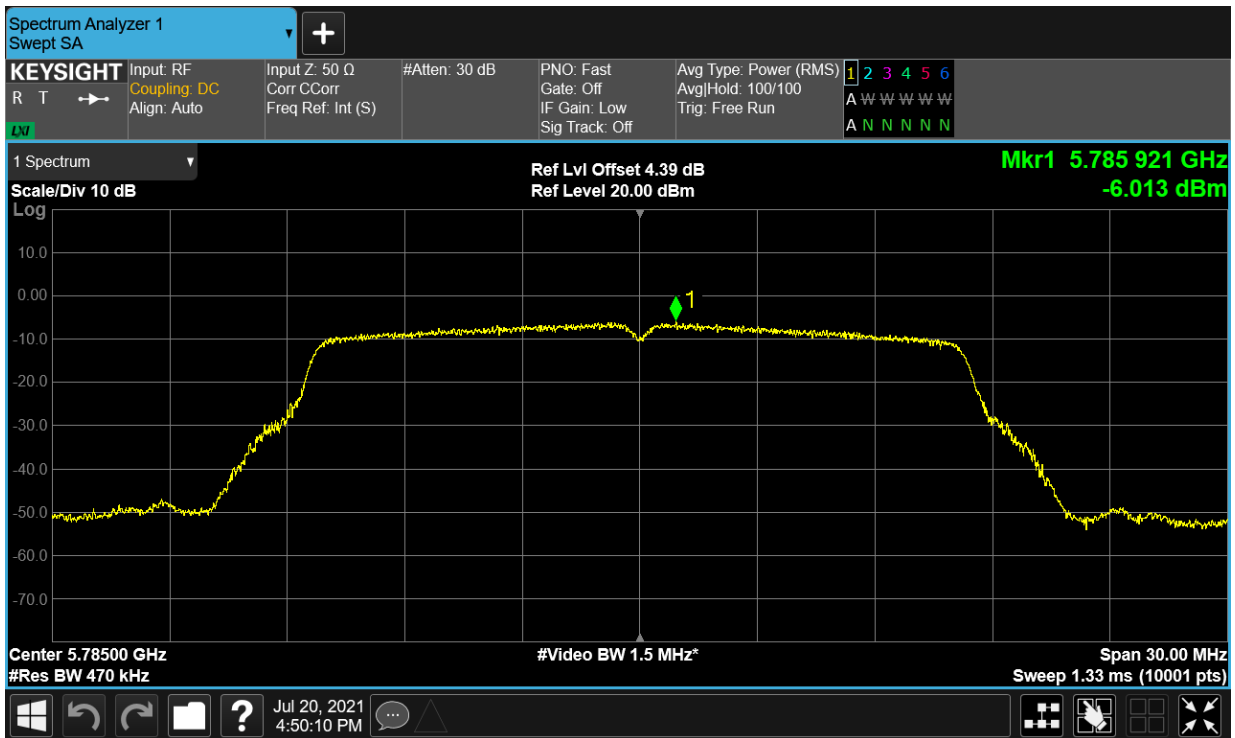
$$\text{Correction factor} = 10 \log (500 \text{ kHz}_{\text{Reference}} / 470 \text{ KHz}_{\text{Measured}}) = 0.269$$



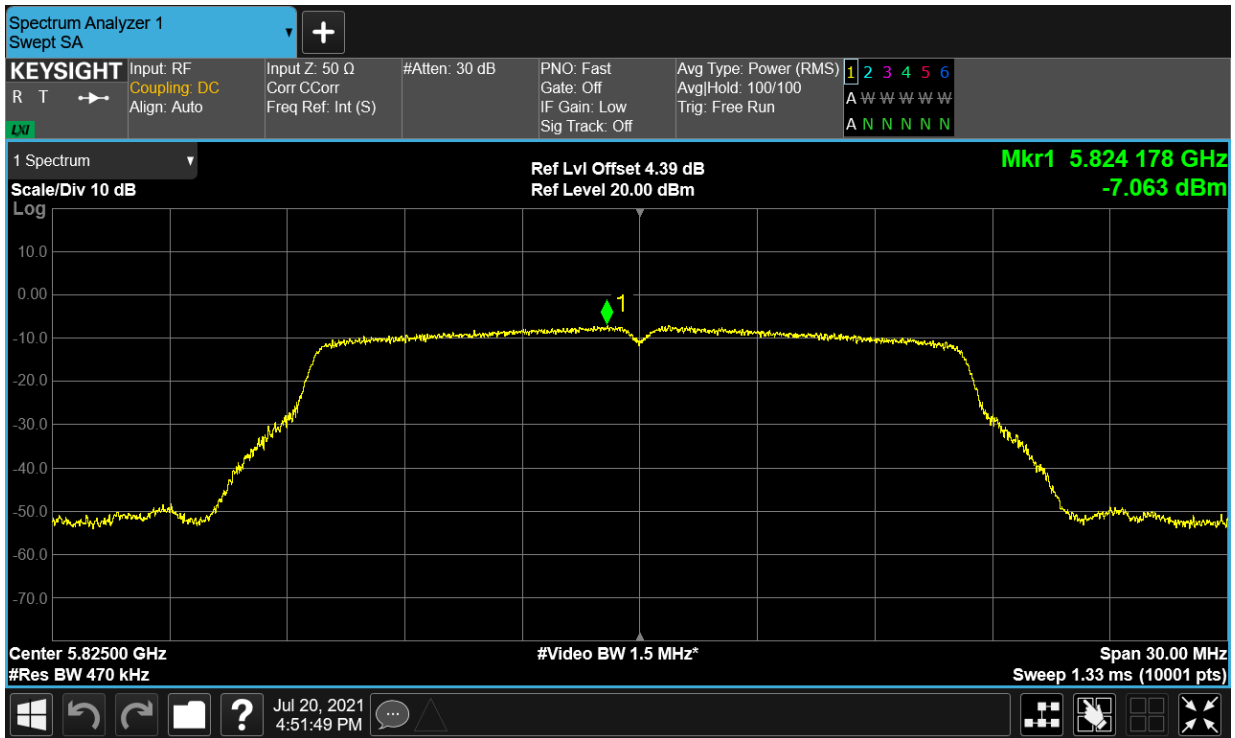
PSD NVNT a 5745MHz Ant1



PSD NVNT a 5785MHz Ant1



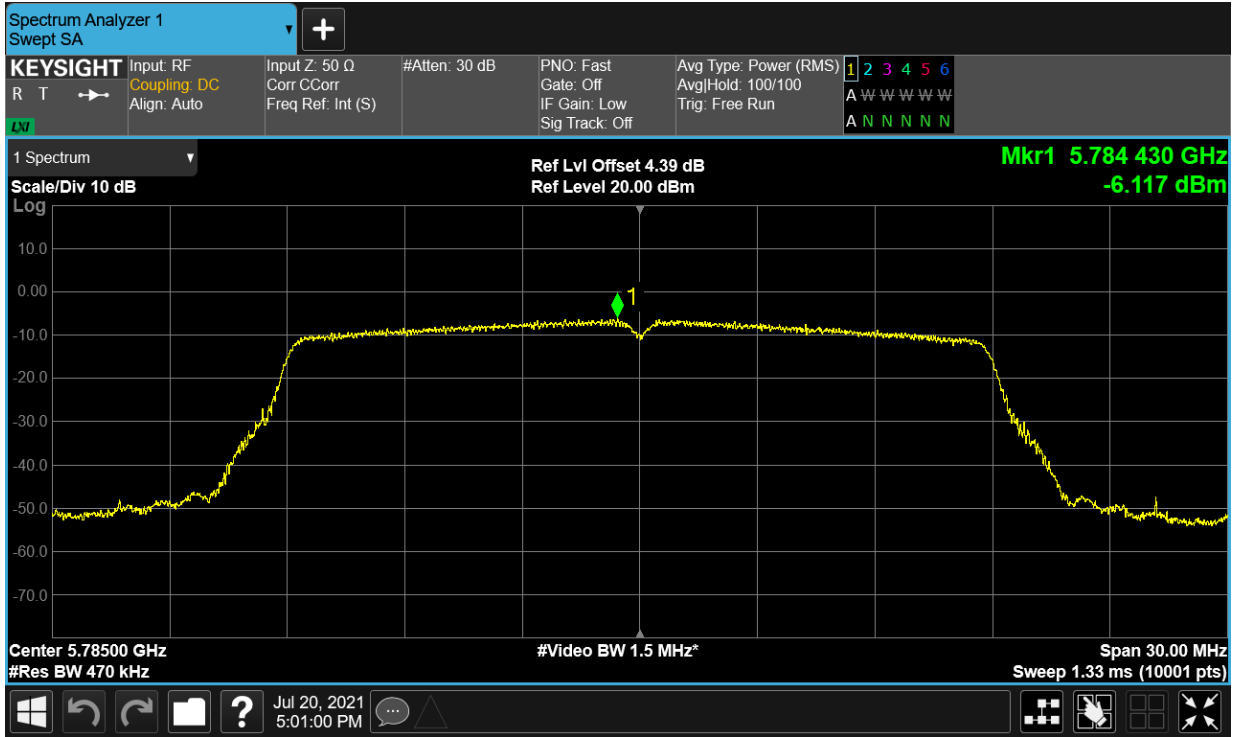
PSD NVNT a 5825MHz Ant1



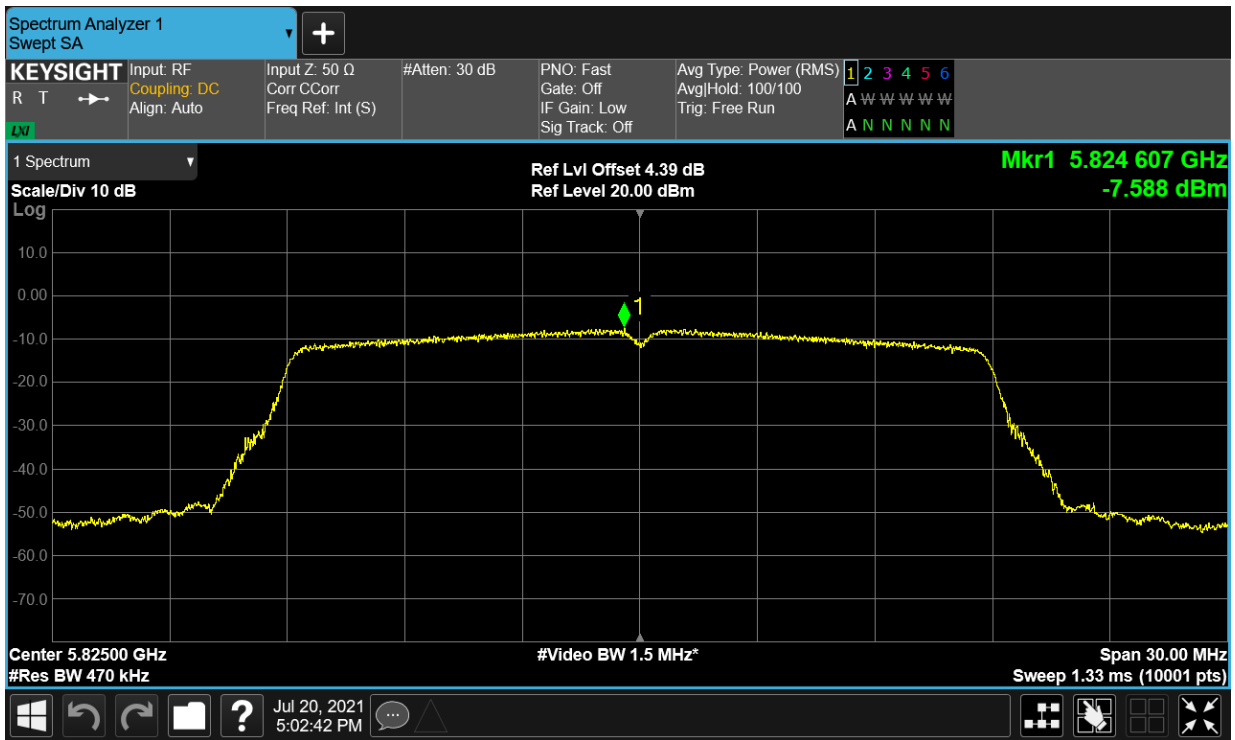
PSD NVNT ac20 5745MHz Ant1



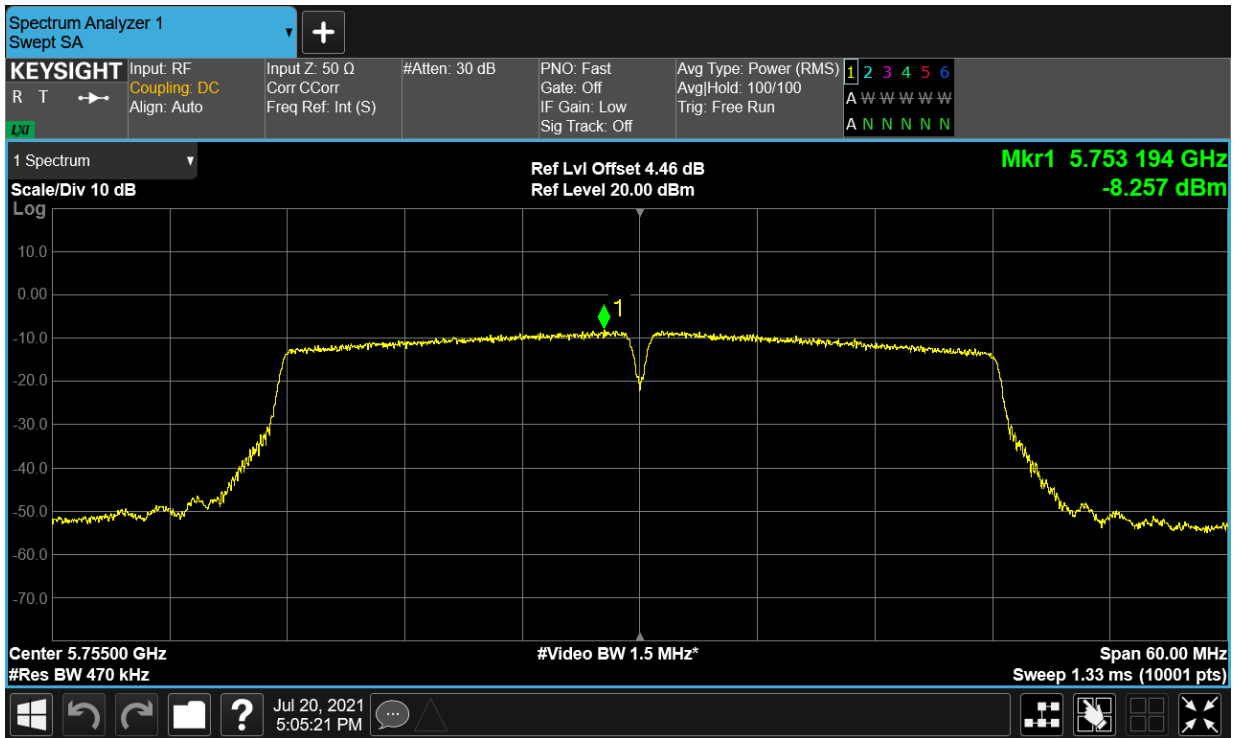
PSD NVNT ac20 5785MHz Ant1



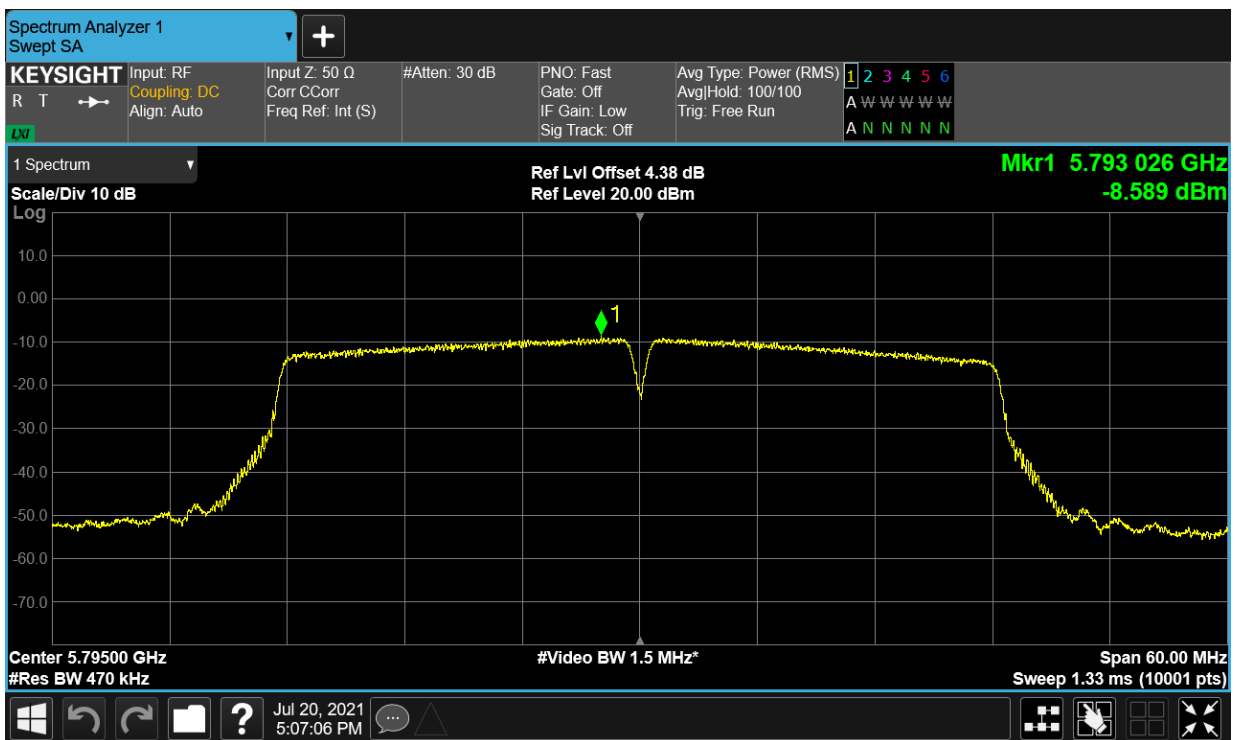
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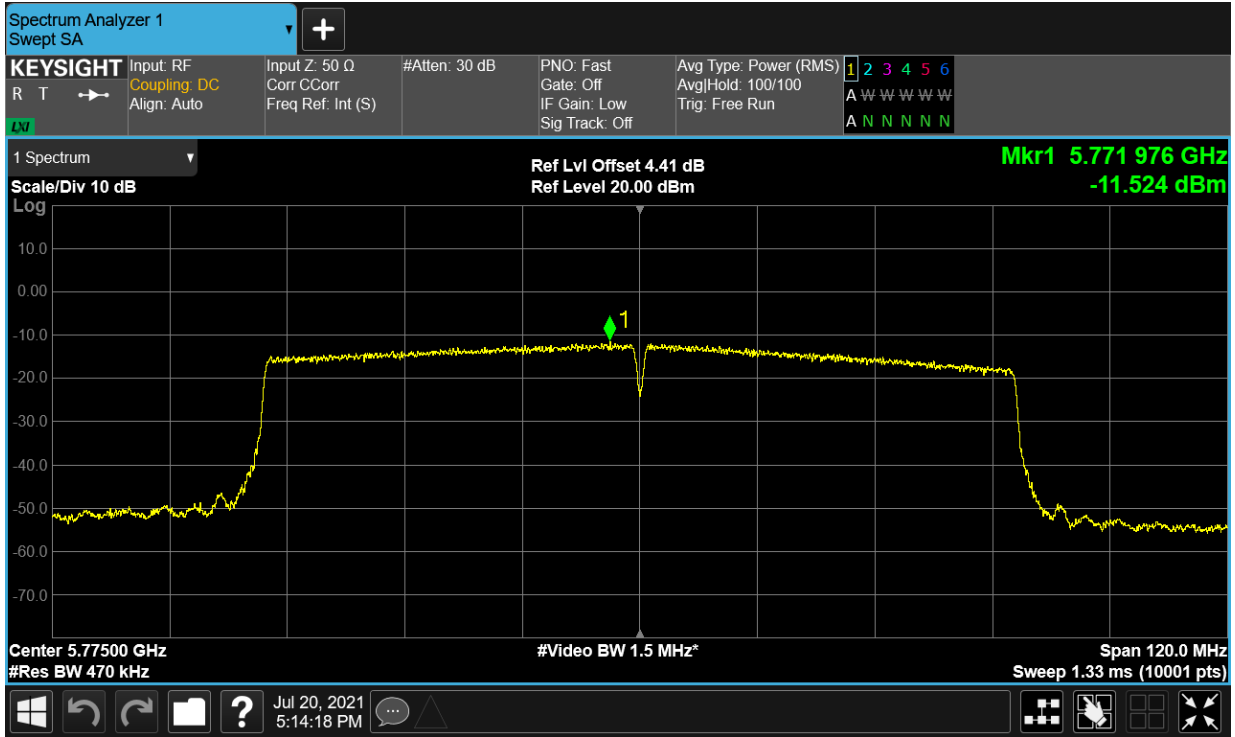
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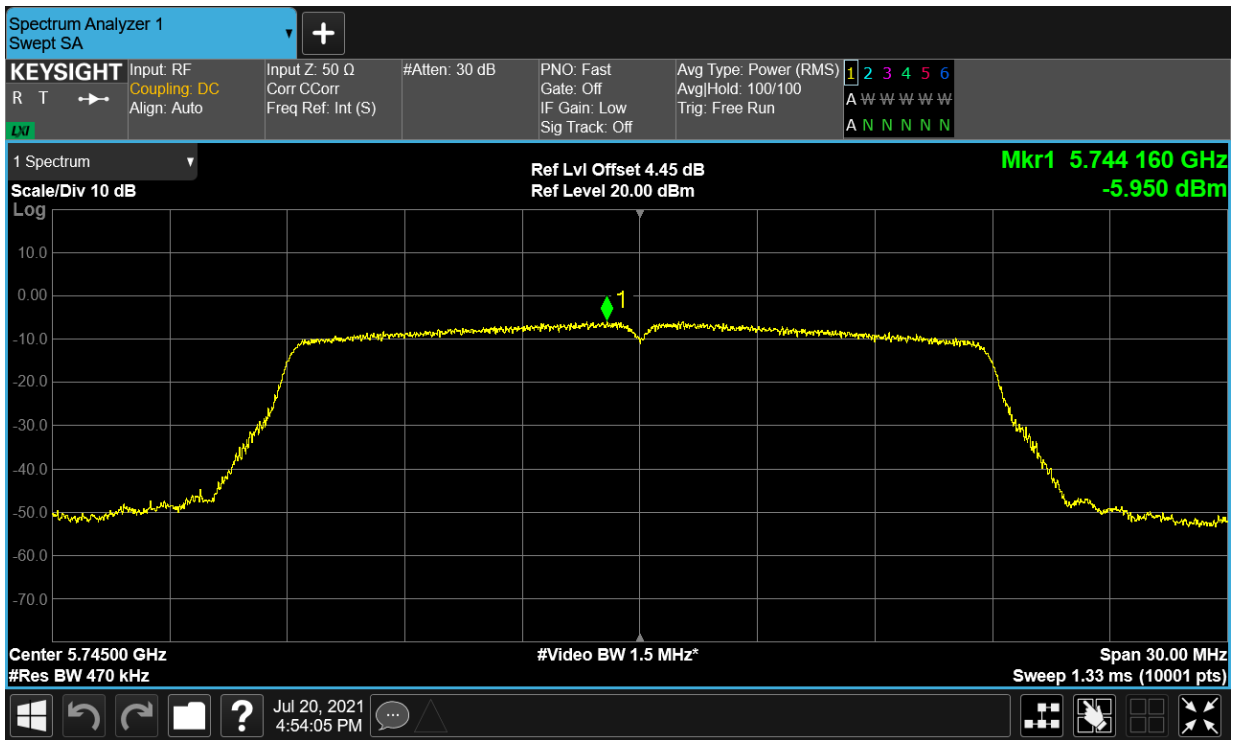
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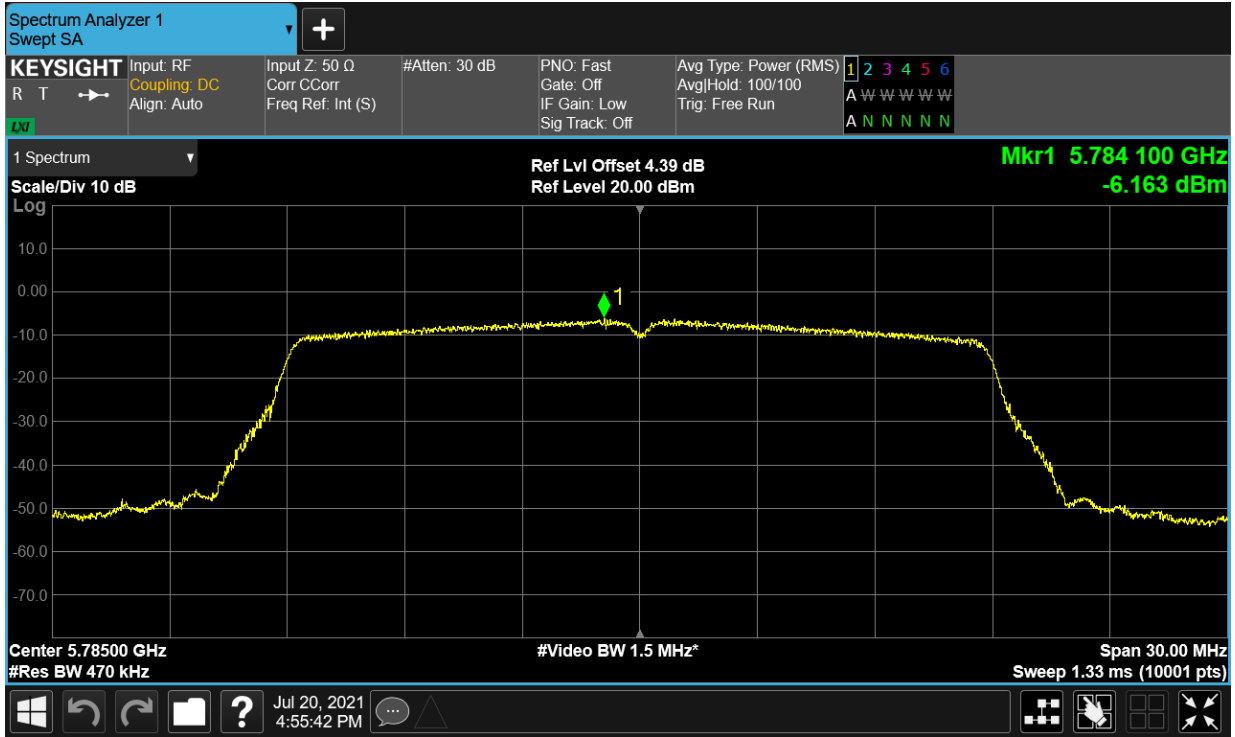
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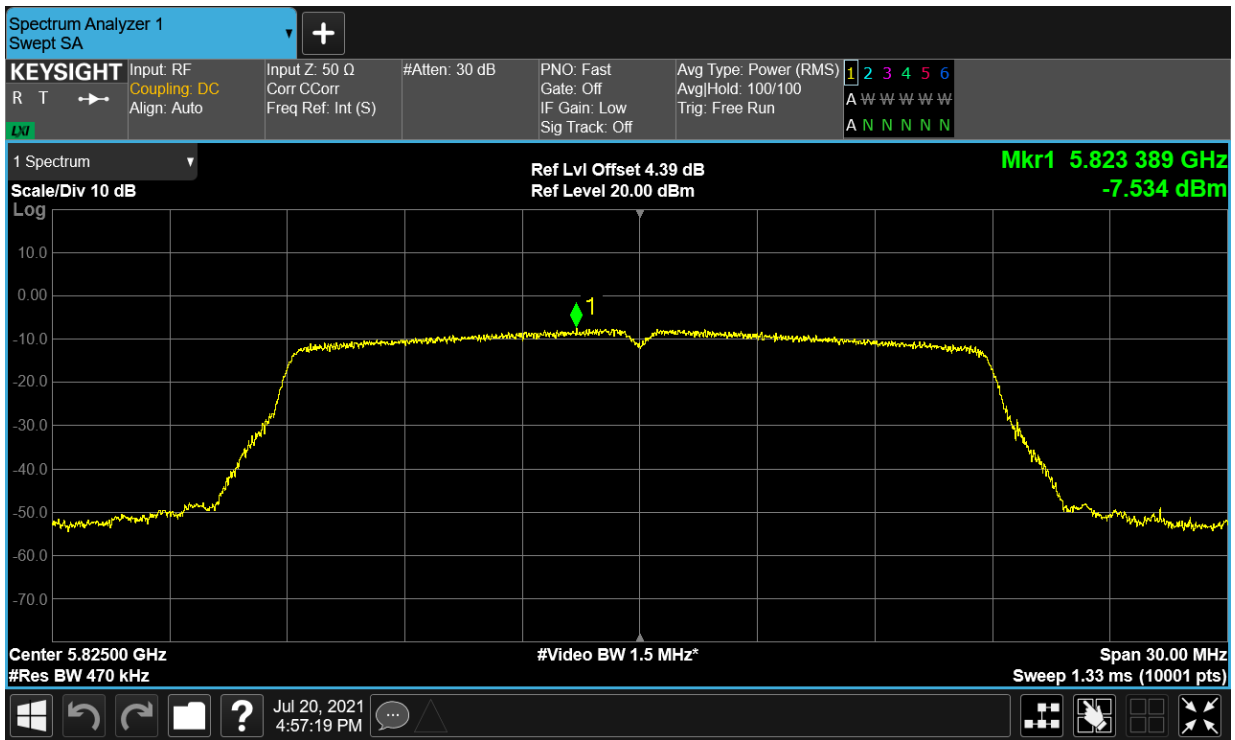
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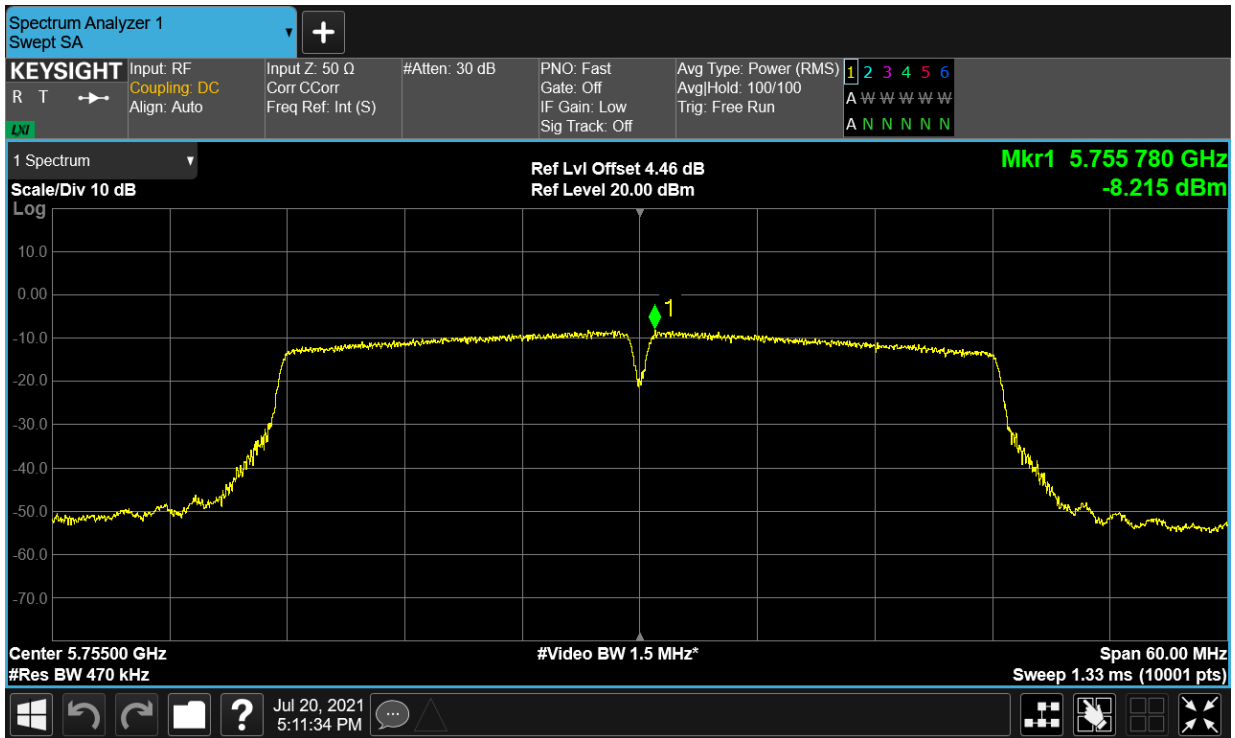
PSD NVNT n20 5785MHz Ant1



PSD NVNT n20 5825MHz Ant1



PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5795MHz Ant1

