

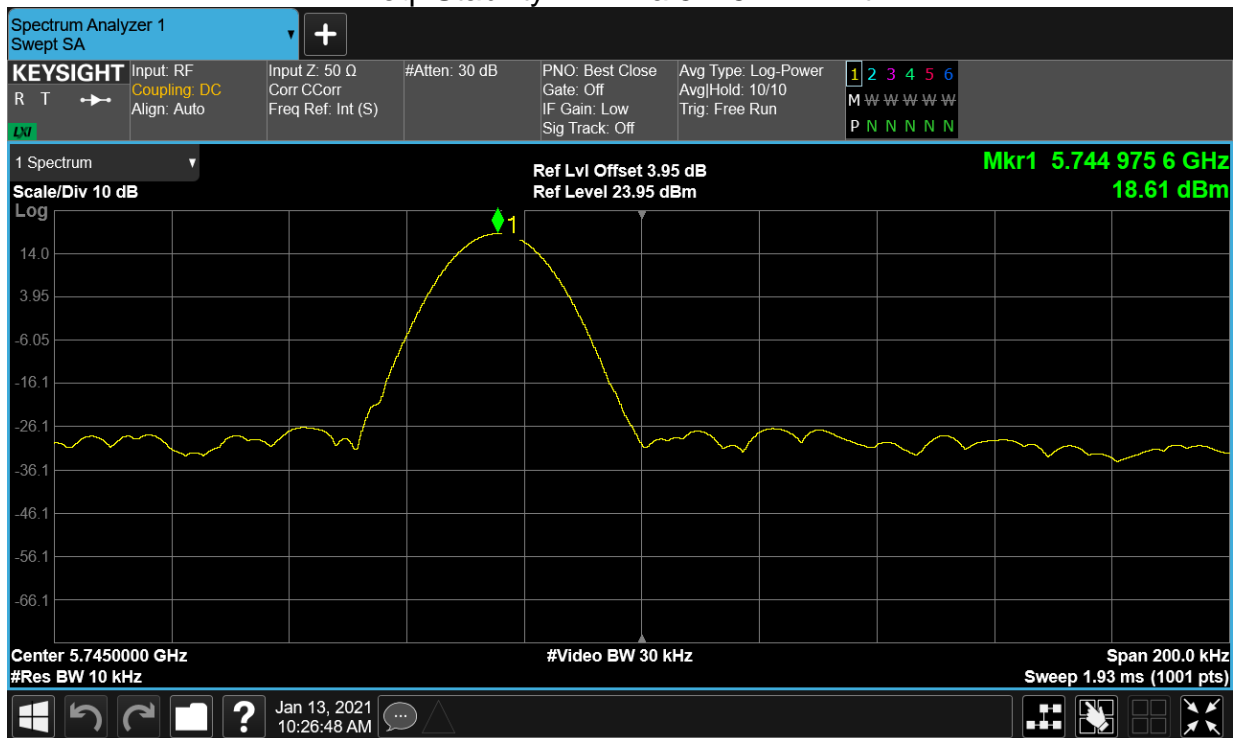
Appendix A – 5.8G Wi-Fi Test Data

Frequency Stability(worst case mode)

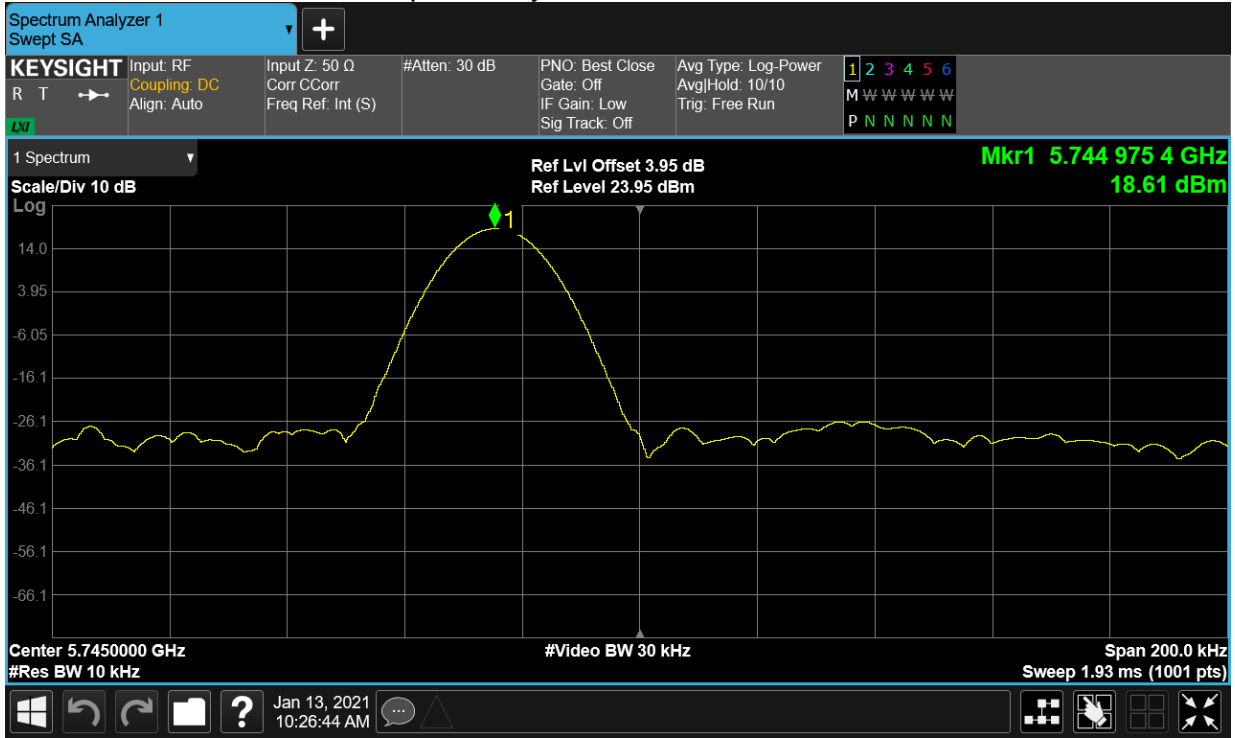
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVHT	a	5745	Ant1	5744.9756	-4.25	25	Pass
HVLT	a	5745	Ant1	5744.9754	-4.28	25	Pass
LVHT	a	5745	Ant1	5744.9756	-4.25	25	Pass
LVLT	a	5745	Ant1	5744.9754	-4.28	25	Pass
NVNT	a	5745	Ant1	5744.9756	-4.25	25	Pass
HVHT	ac80	5775	Ant1	5774.976	-4.16	25	Pass
HVLT	ac80	5775	Ant1	5774.9762	-4.12	25	Pass
LVHT	ac80	5775	Ant1	5774.9762	-4.12	25	Pass
LVLT	ac80	5775	Ant1	5774.9764	-4.09	25	Pass
NVNT	ac80	5775	Ant1	5774.9764	-4.09	25	Pass
HVHT	n40	5755	Ant1	5754.9762	-4.14	25	Pass
HVLT	n40	5755	Ant1	5754.9762	-4.14	25	Pass
LVHT	n40	5755	Ant1	5754.9762	-4.14	25	Pass
LVLT	n40	5755	Ant1	5754.9764	-4.1	25	Pass
NVNT	n40	5755	Ant1	5754.9766	-4.07	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.

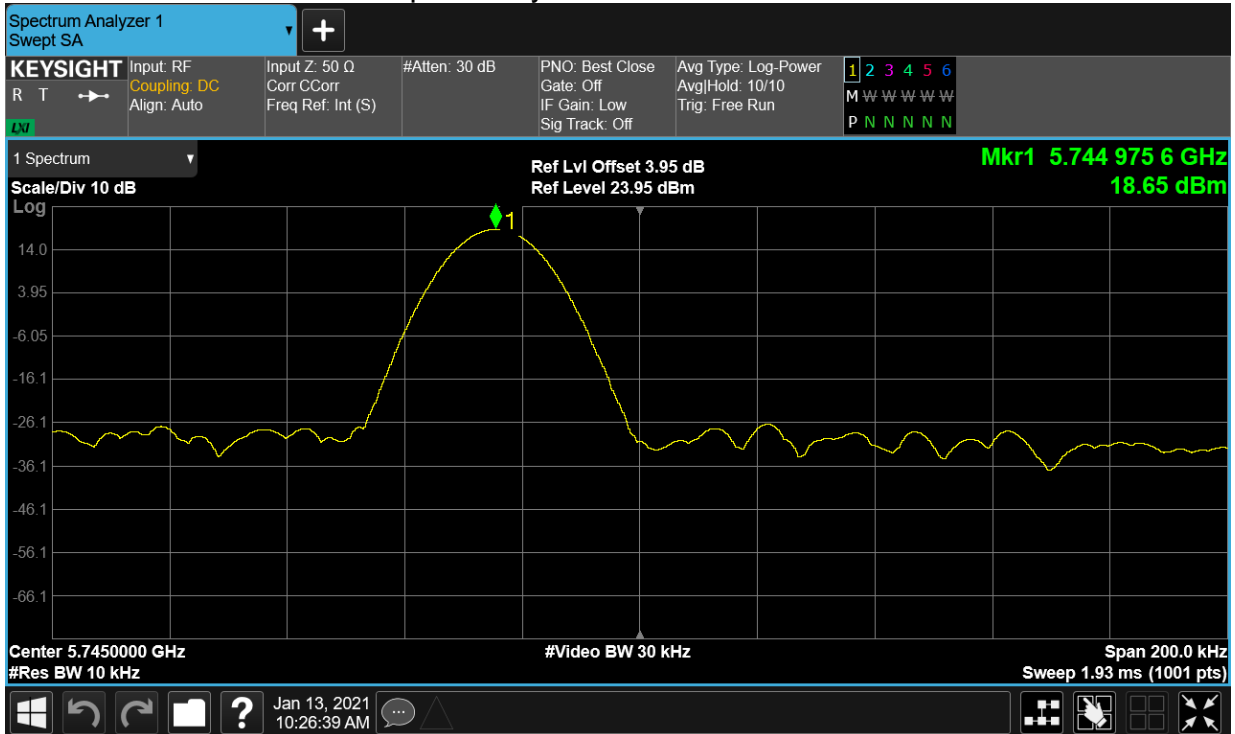
Freq. Stability HVHT a 5745MHz Ant1



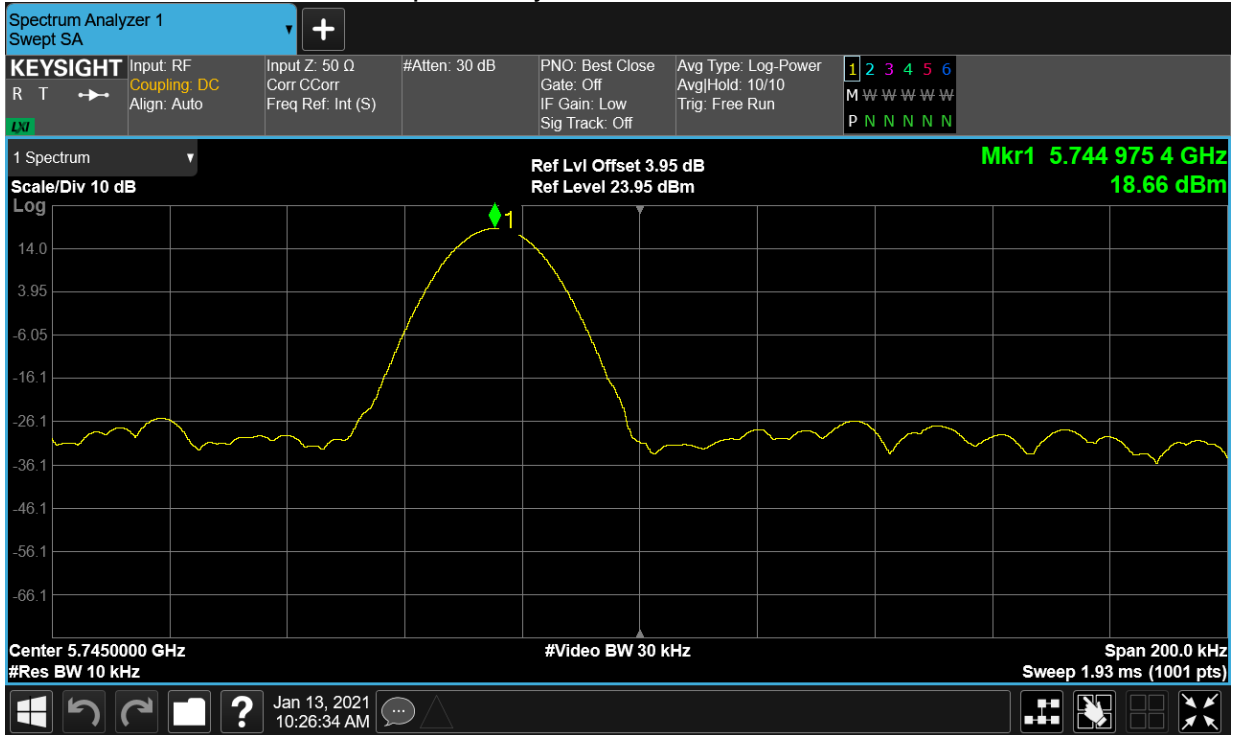
Freq. Stability HVLT a 5745MHz Ant1



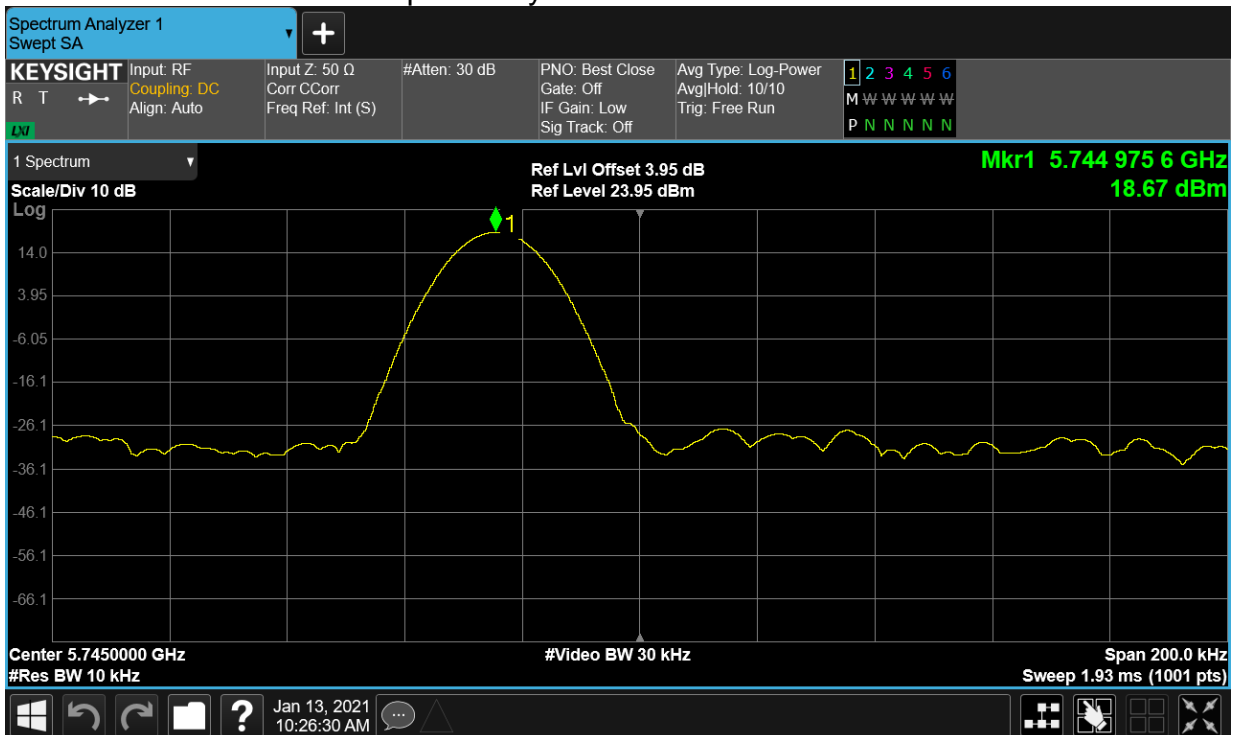
Freq. Stability LVHT a 5745MHz Ant1



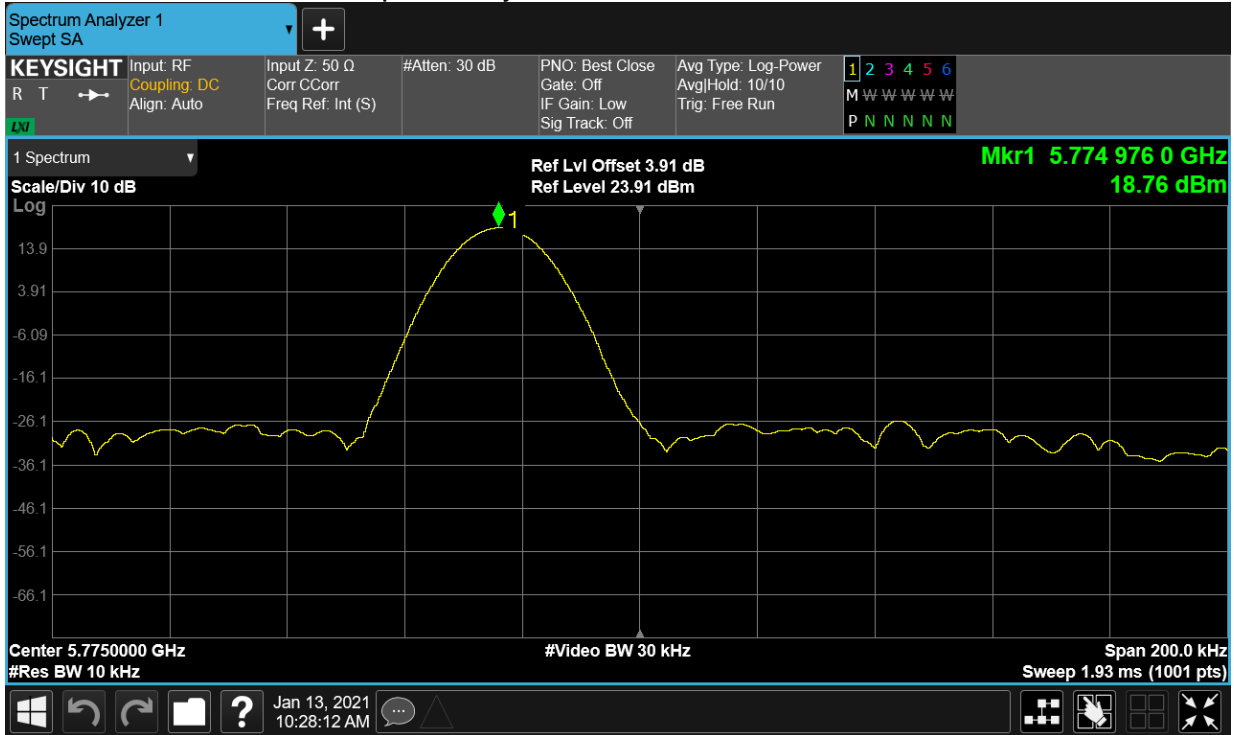
Freq. Stability LVLTA a 5745MHz Ant1



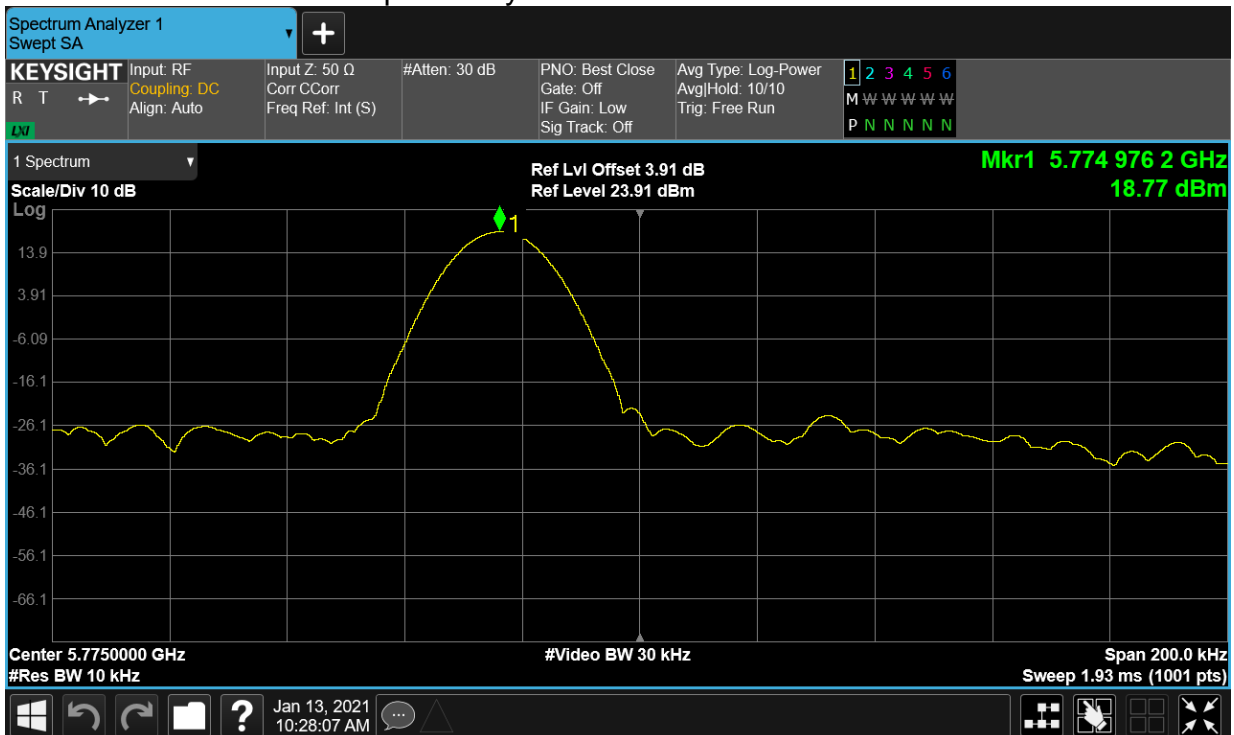
Freq. Stability NVNT a 5745MHz Ant1



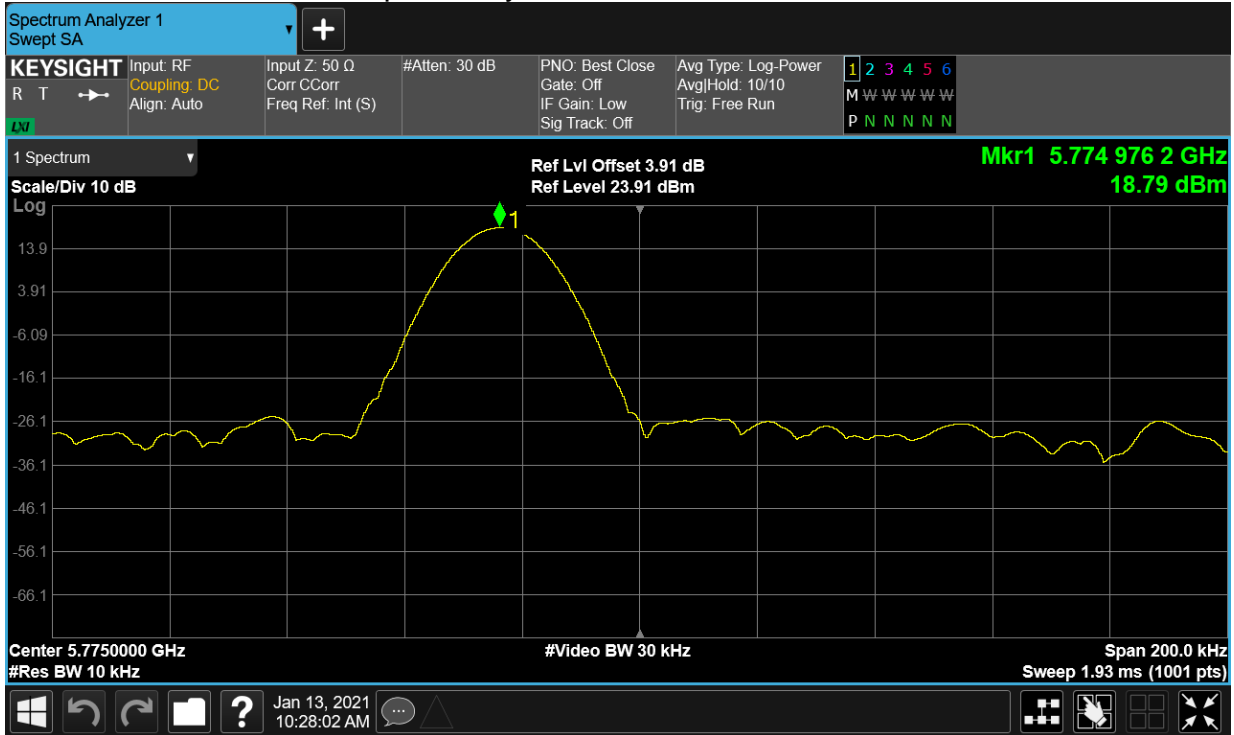
Freq. Stability HVHT ac80 5775MHz Ant1



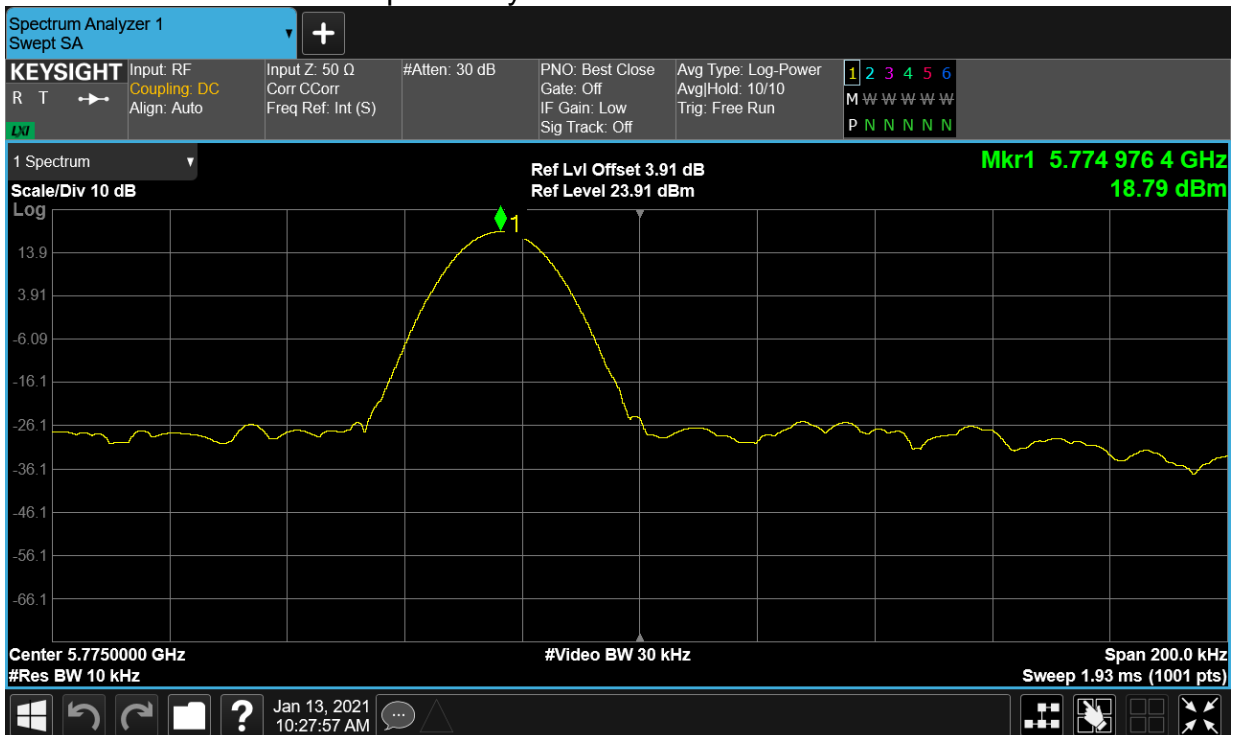
Freq. Stability HVLT ac80 5775MHz Ant1



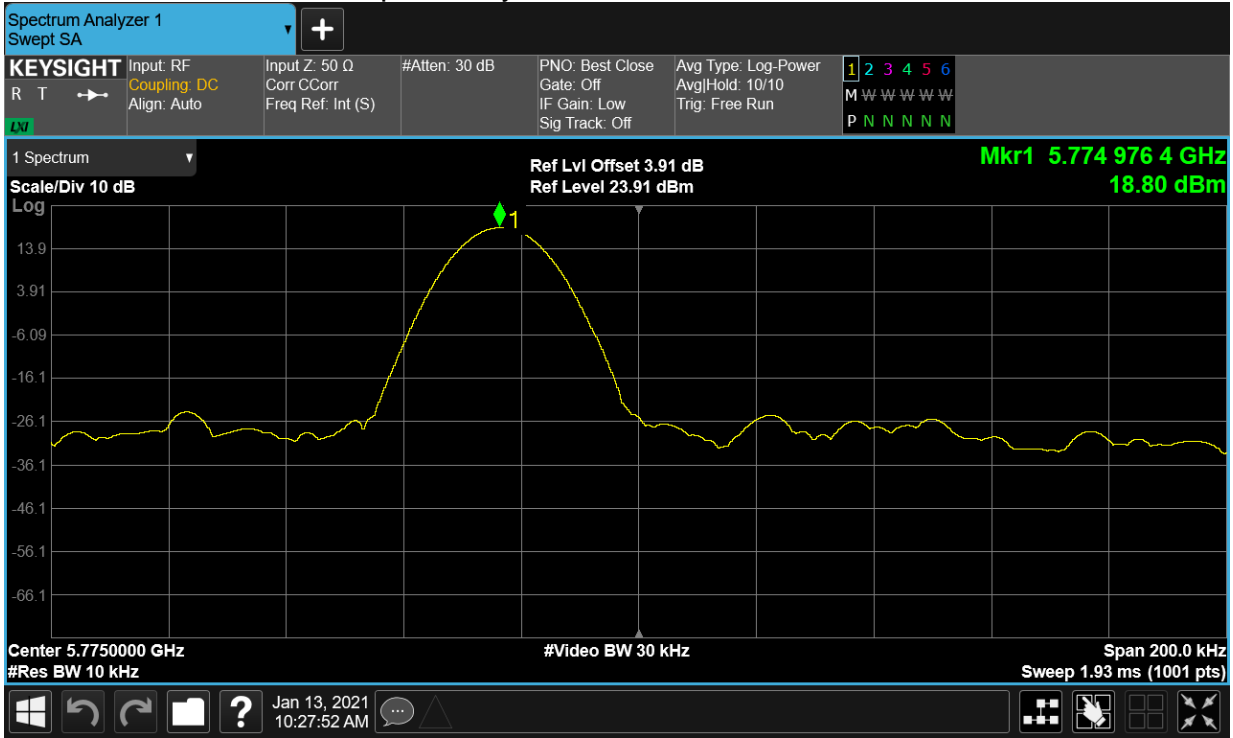
Freq. Stability LVHT ac80 5775MHz Ant1



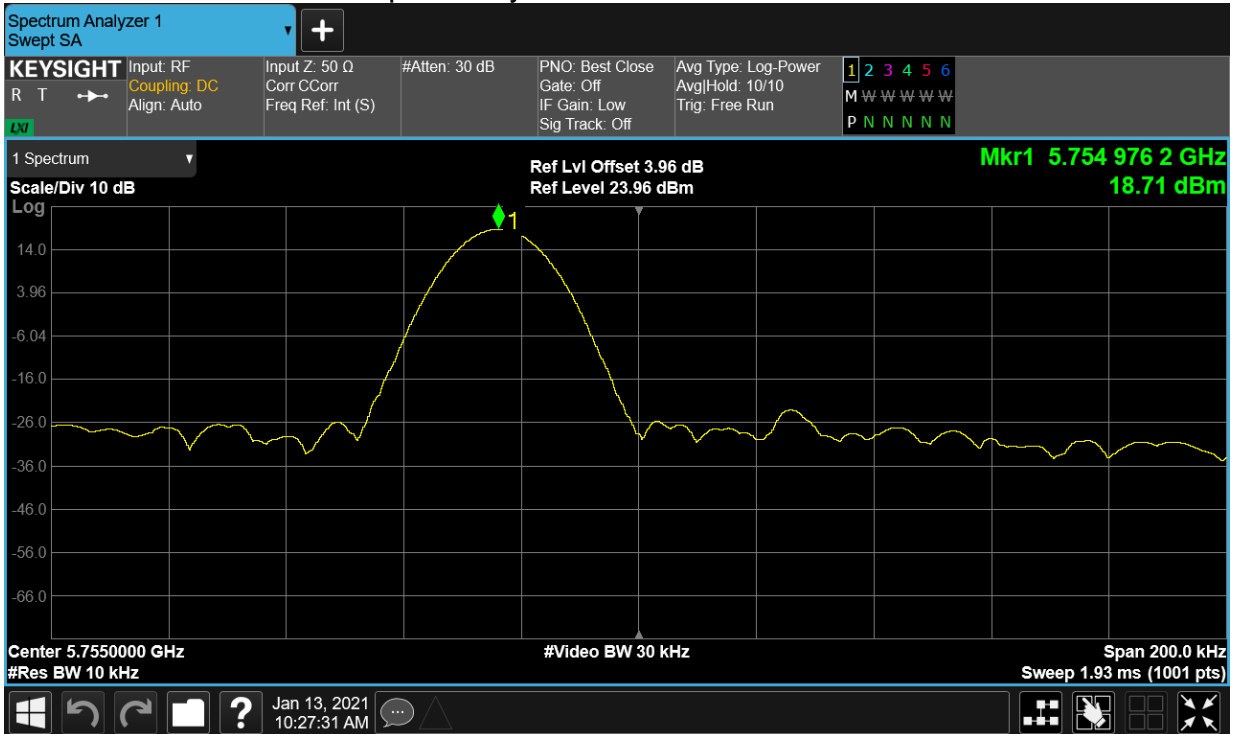
Freq. Stability LVLT ac80 5775MHz Ant1



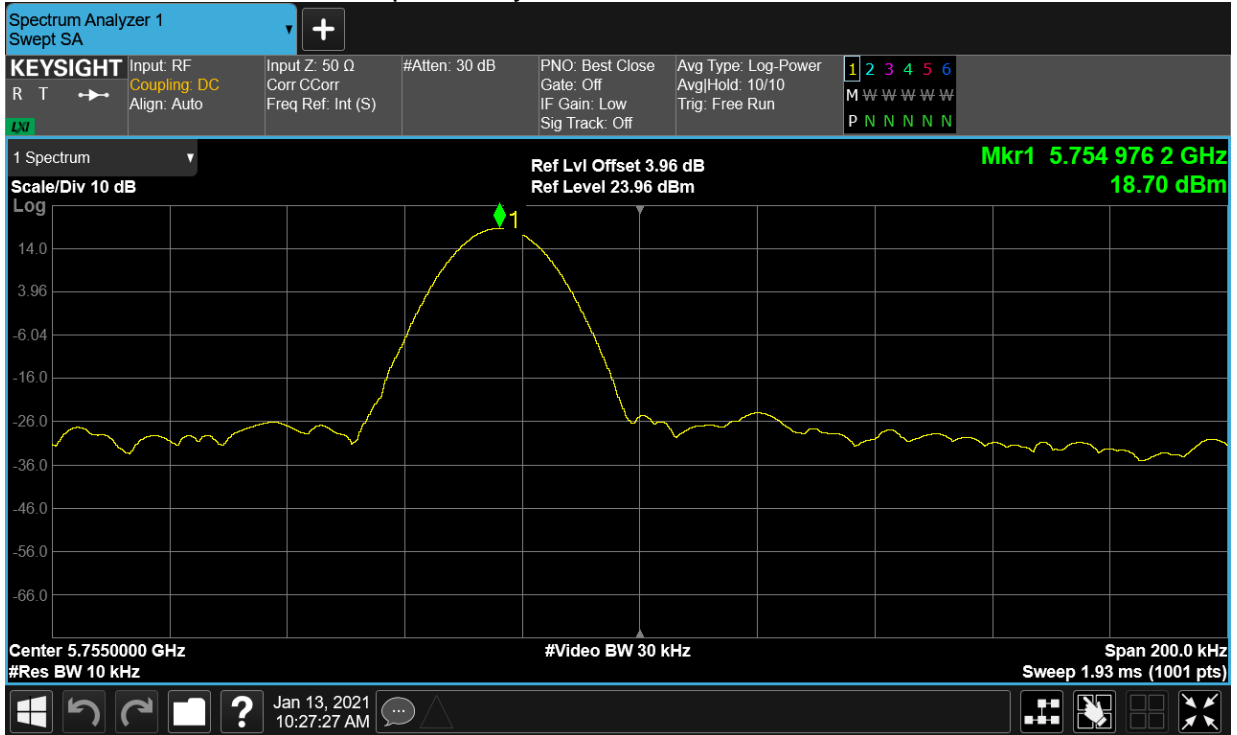
Freq. Stability NVNT ac80 5775MHz Ant1



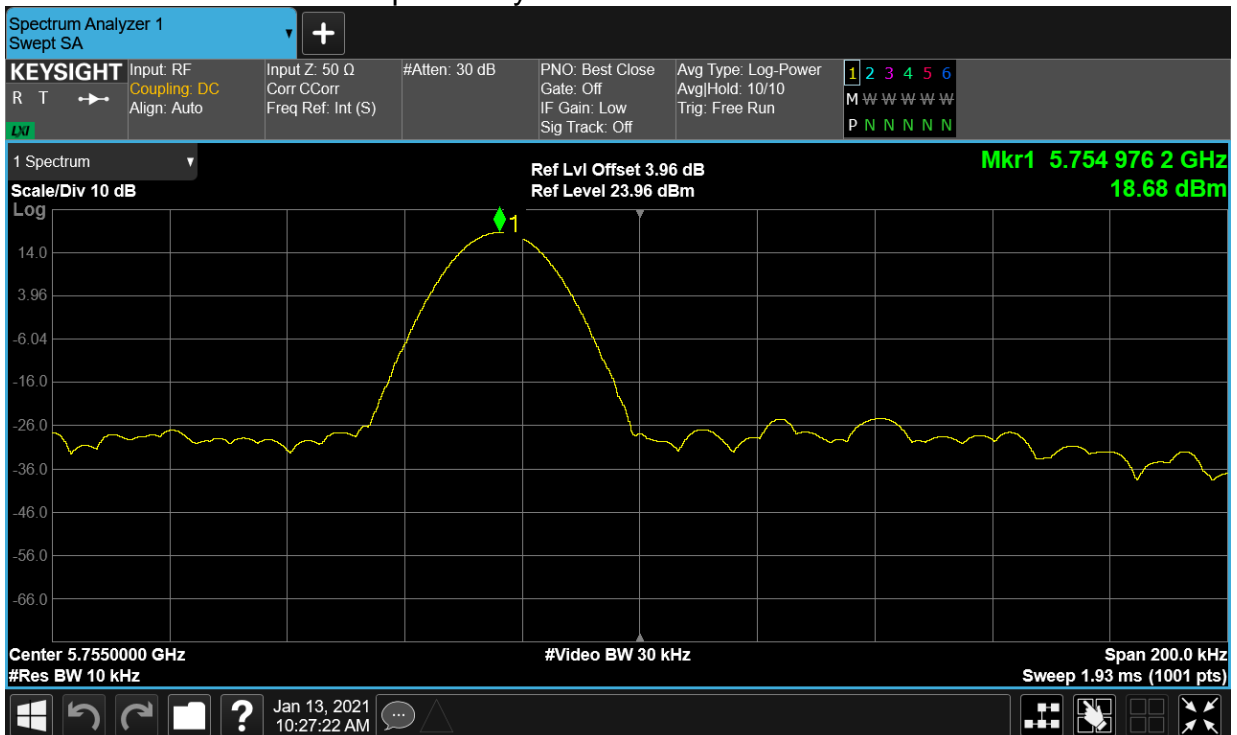
Freq. Stability HVHT n40 5755MHz Ant1



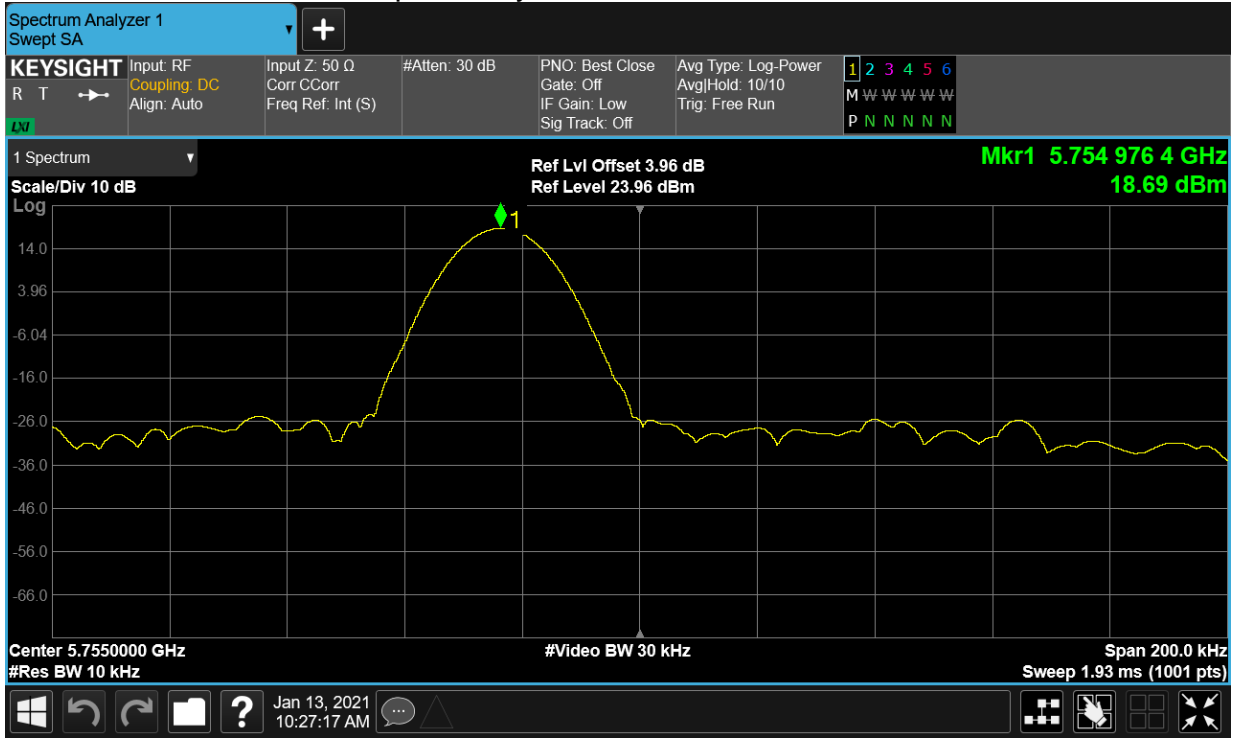
Freq. Stability HVLT n40 5755MHz Ant1



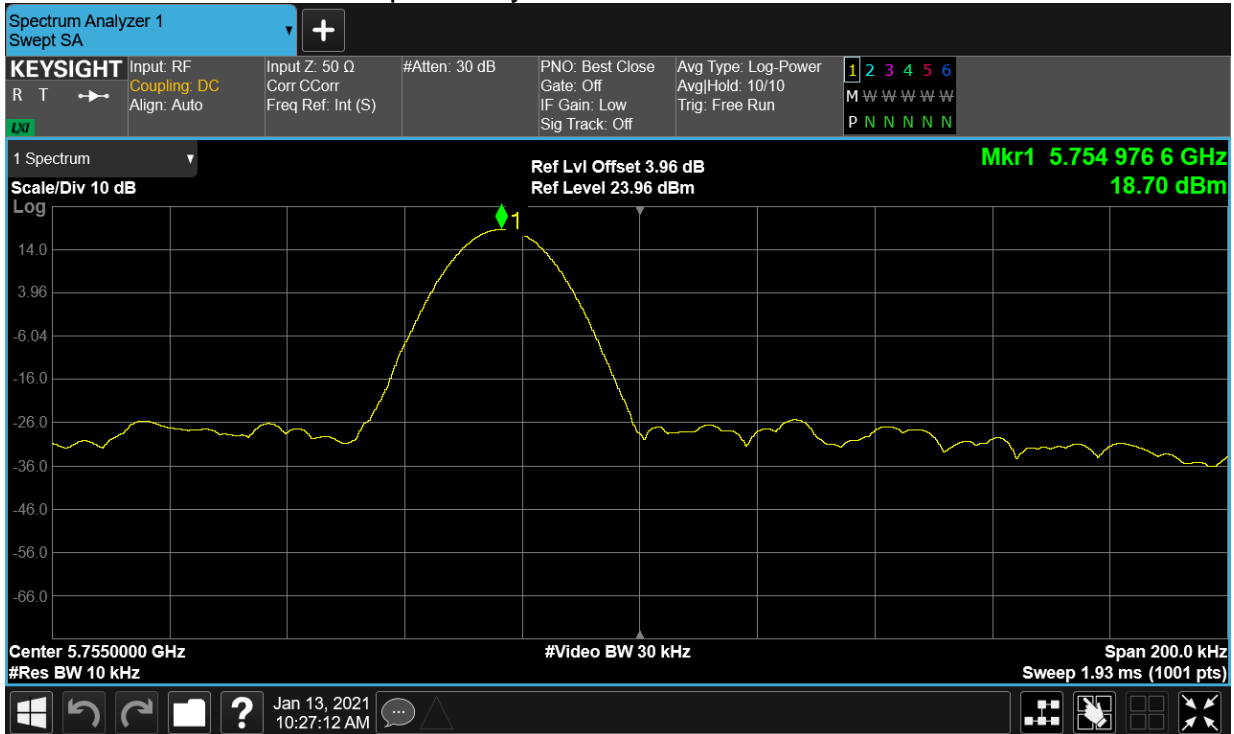
Freq. Stability LVHT n40 5755MHz Ant1



Freq. Stability LVLT n40 5755MHz Ant1



Freq. Stability NVNT n40 5755MHz Ant1

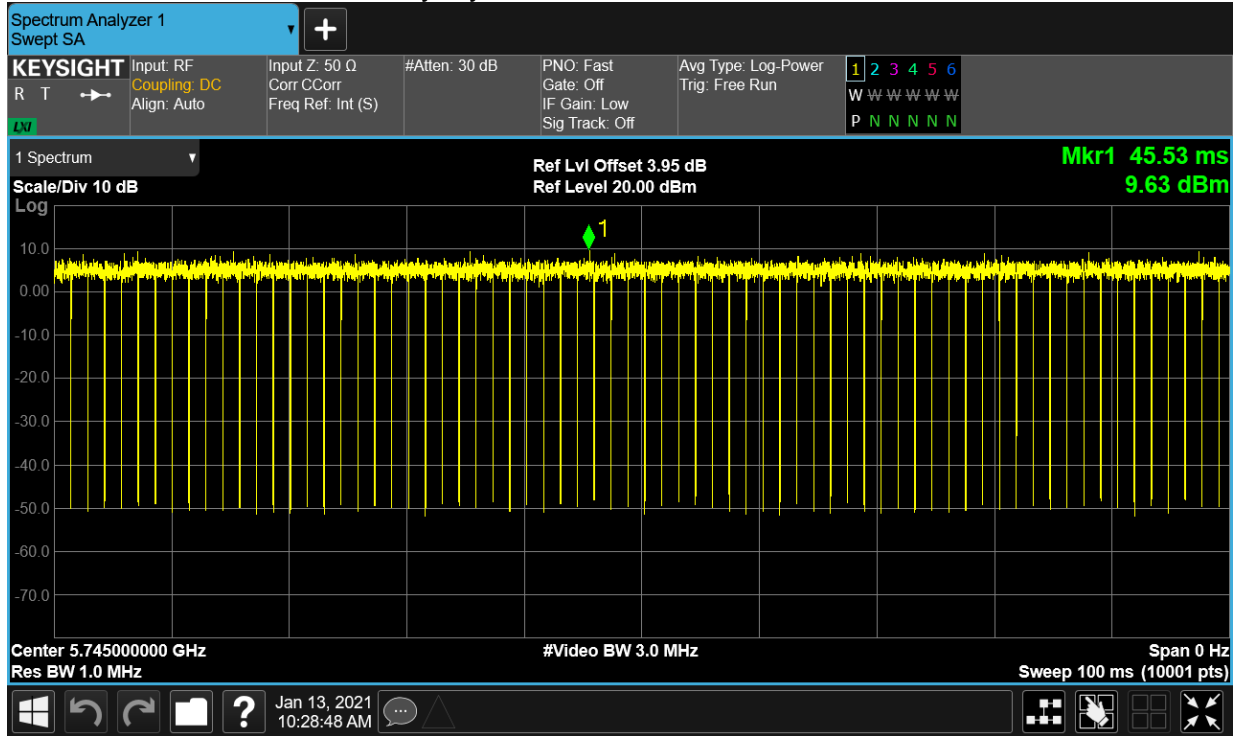


Duty Cycle

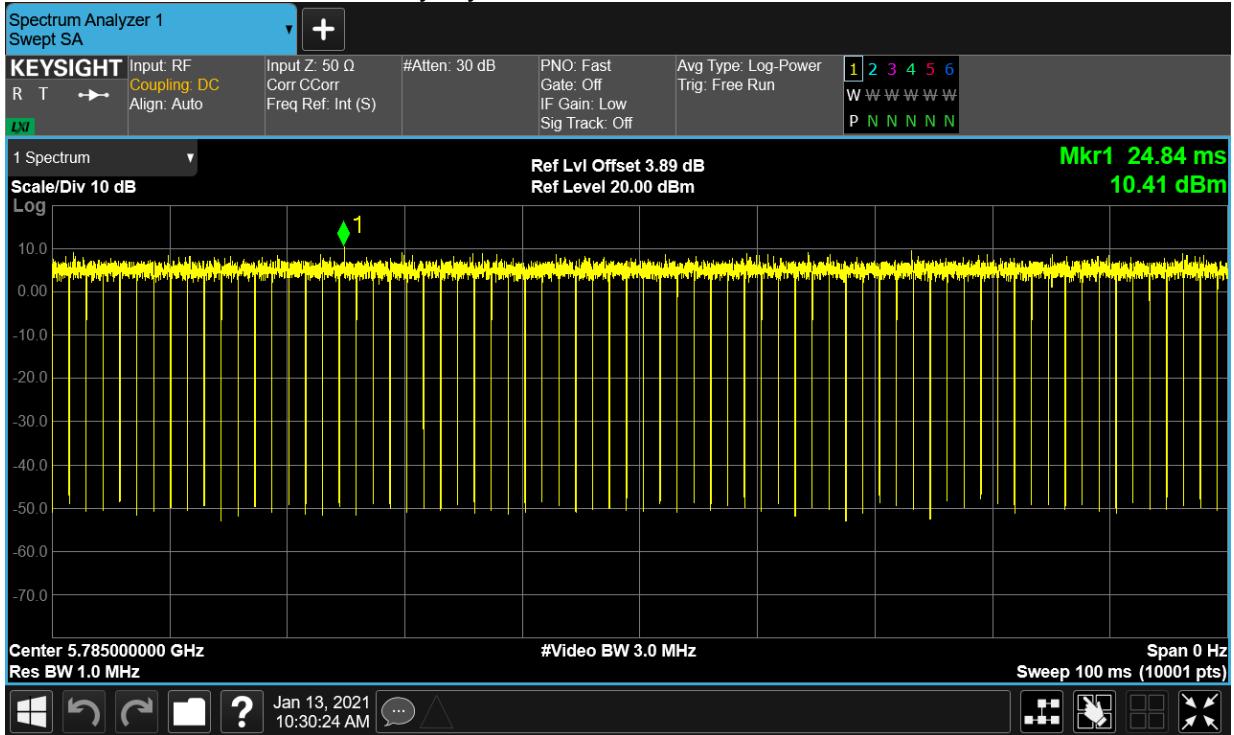
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5745	Ant1	97.8	0.1
NVNT	a	5785	Ant1	97.74	0.1
NVNT	a	5825	Ant1	97.79	0.1
NVNT	ac20	5745	Ant1	97.61	0.11
NVNT	ac20	5785	Ant1	97.65	0.1
NVNT	ac20	5825	Ant1	97.66	0.1

NVNT	ac40	5755	Ant1	95.4	0.2
NVNT	ac40	5795	Ant1	95.38	0.21
NVNT	ac80	5775	Ant1	91.27	0.4
NVNT	n20	5745	Ant1	97.61	0.11
NVNT	n20	5785	Ant1	97.62	0.1
NVNT	n20	5825	Ant1	97.6	0.11
NVNT	n40	5755	Ant1	95.34	0.21
NVNT	n40	5795	Ant1	95.37	0.21

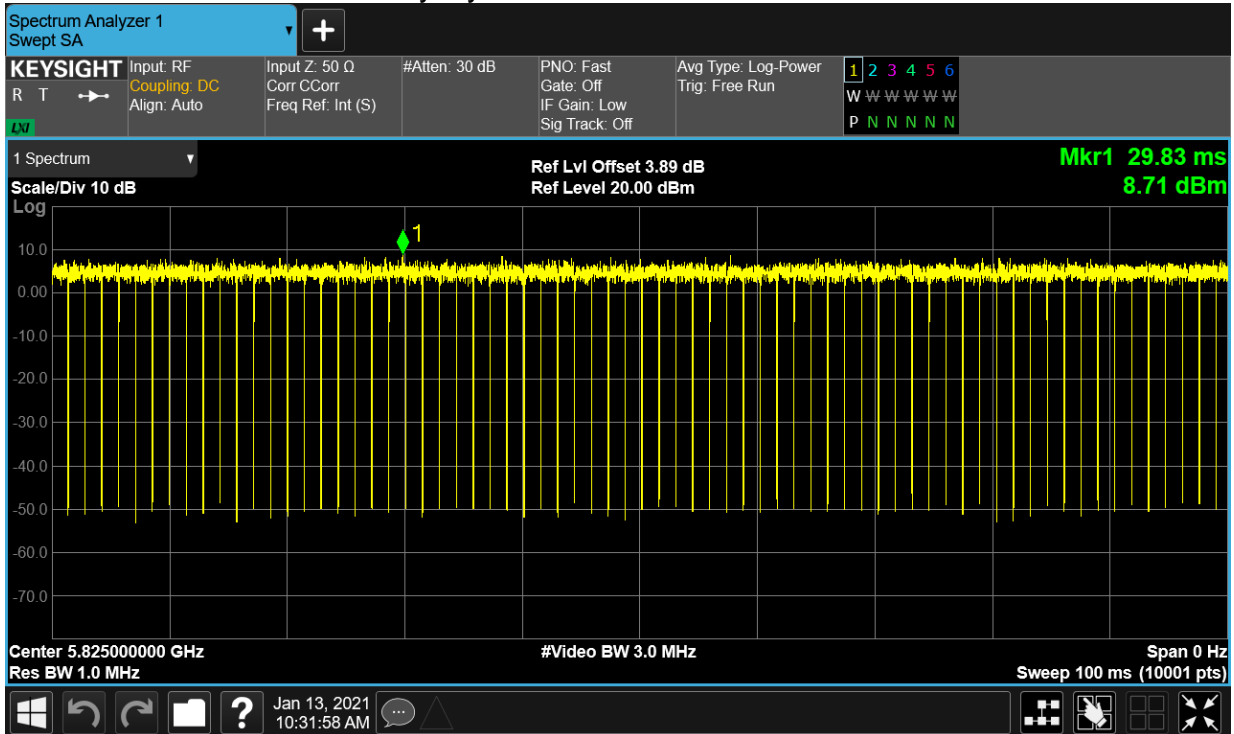
Duty Cycle NVNT a 5745MHz Ant1



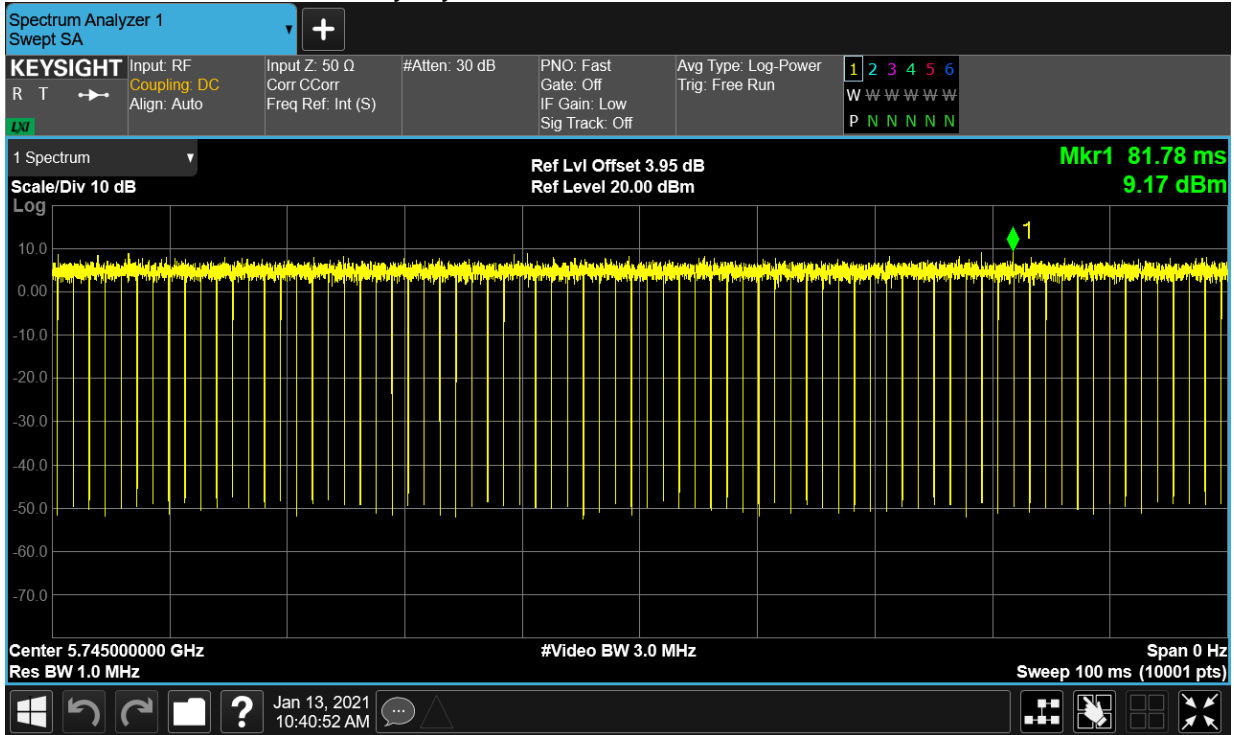
Duty Cycle NVNT a 5785MHz Ant1



Duty Cycle NVNT a 5825MHz Ant1



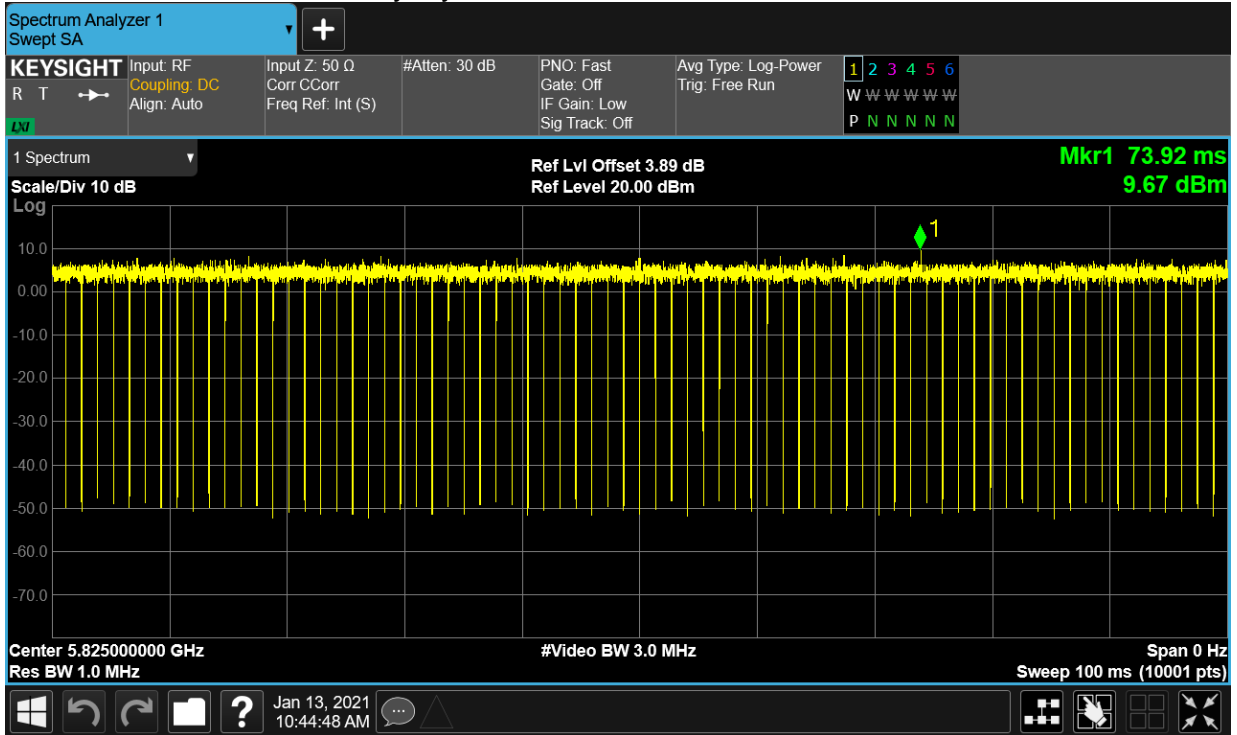
Duty Cycle NVNT ac20 5745MHz Ant1



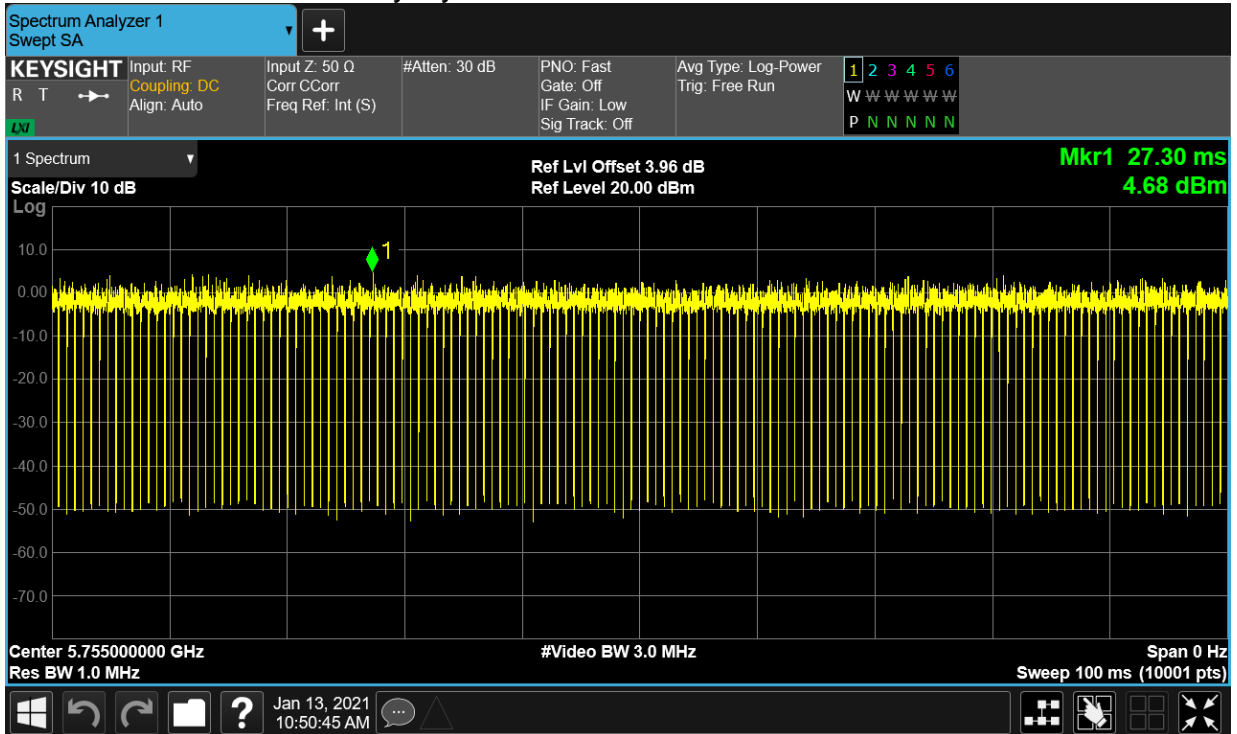
Duty Cycle NVNT ac20 5785MHz Ant1



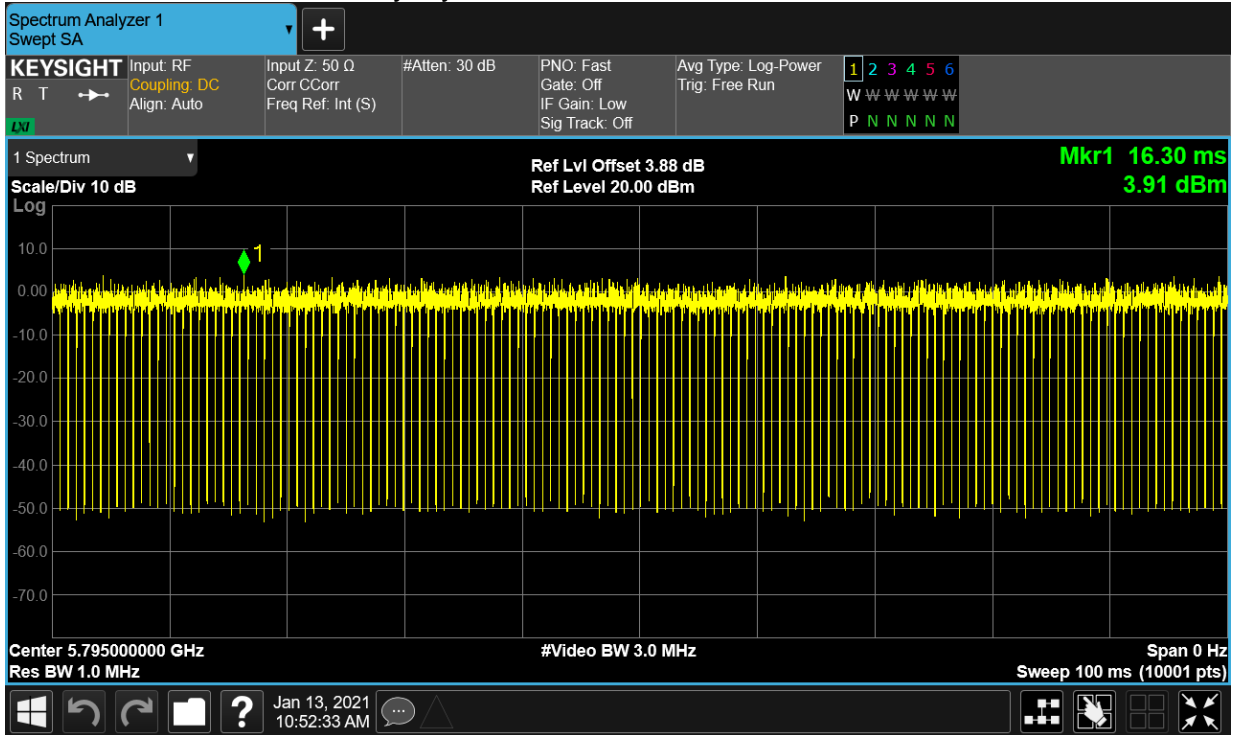
Duty Cycle NVNT ac20 5825MHz Ant1



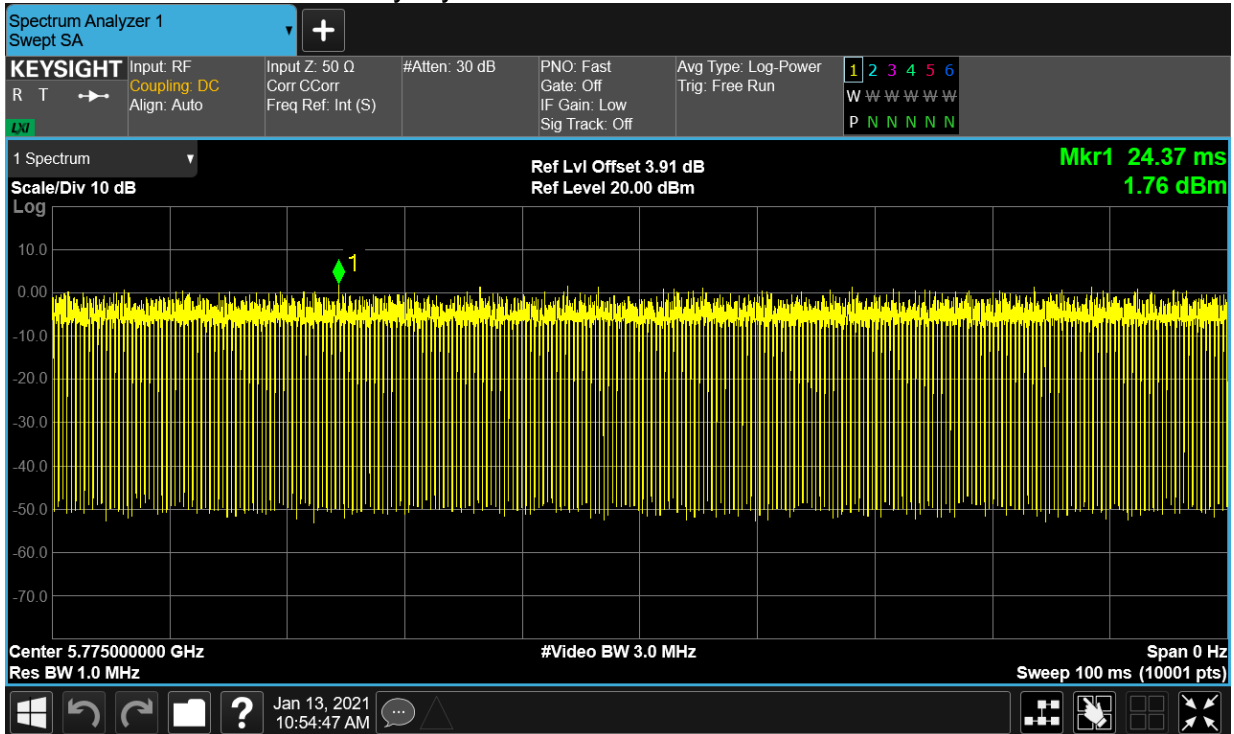
Duty Cycle NVNT ac40 5755MHz Ant1



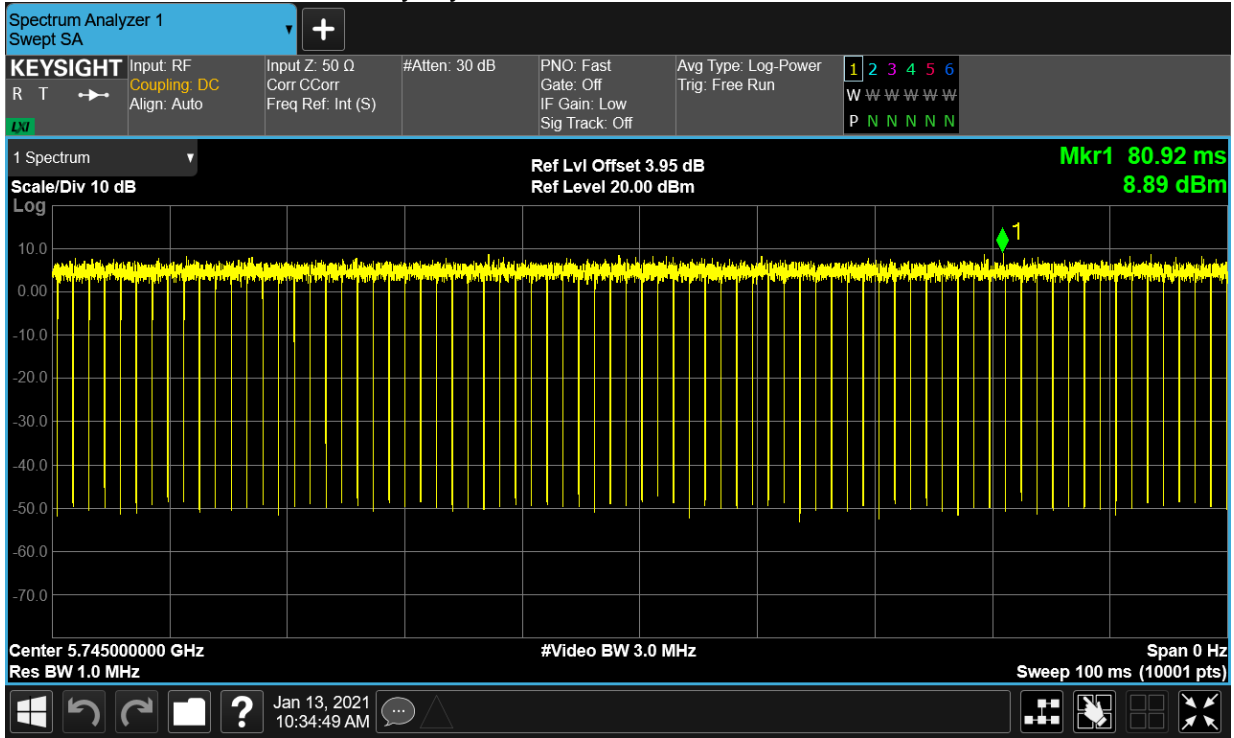
Duty Cycle NVNT ac40 5795MHz Ant1



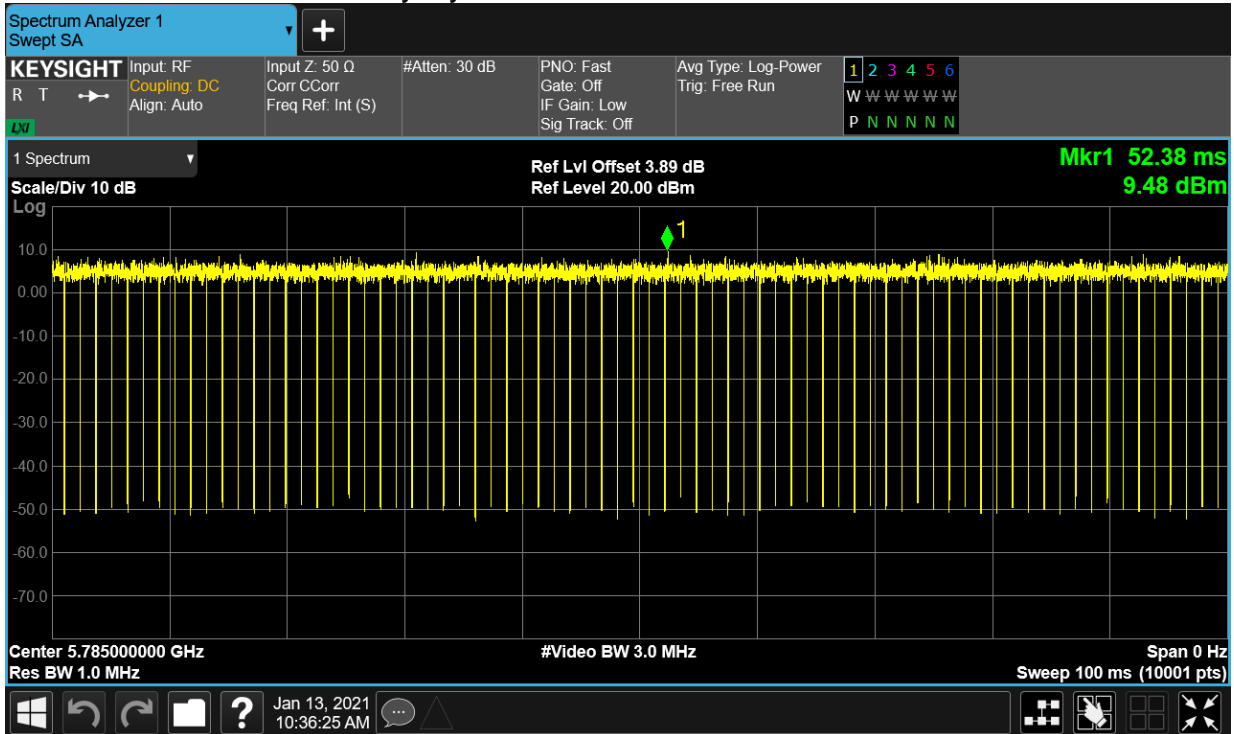
Duty Cycle NVNT ac80 5775MHz Ant1



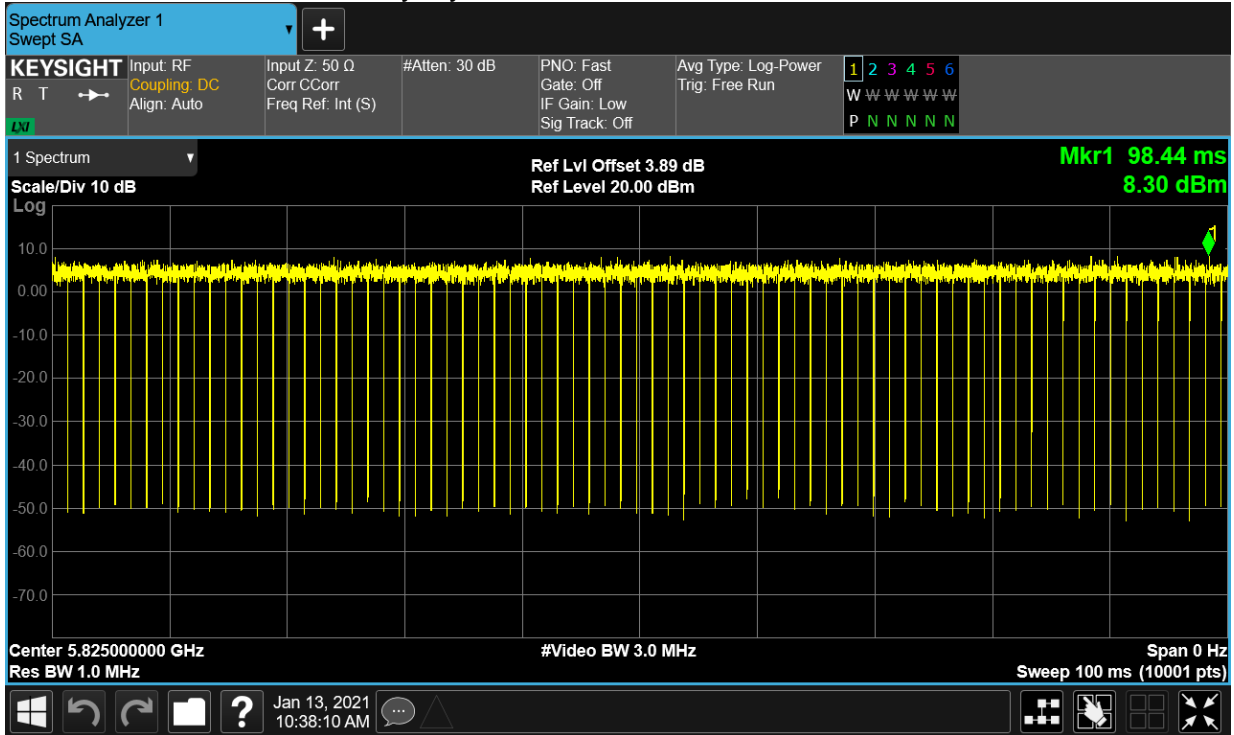
Duty Cycle NVNT n20 5745MHz Ant1



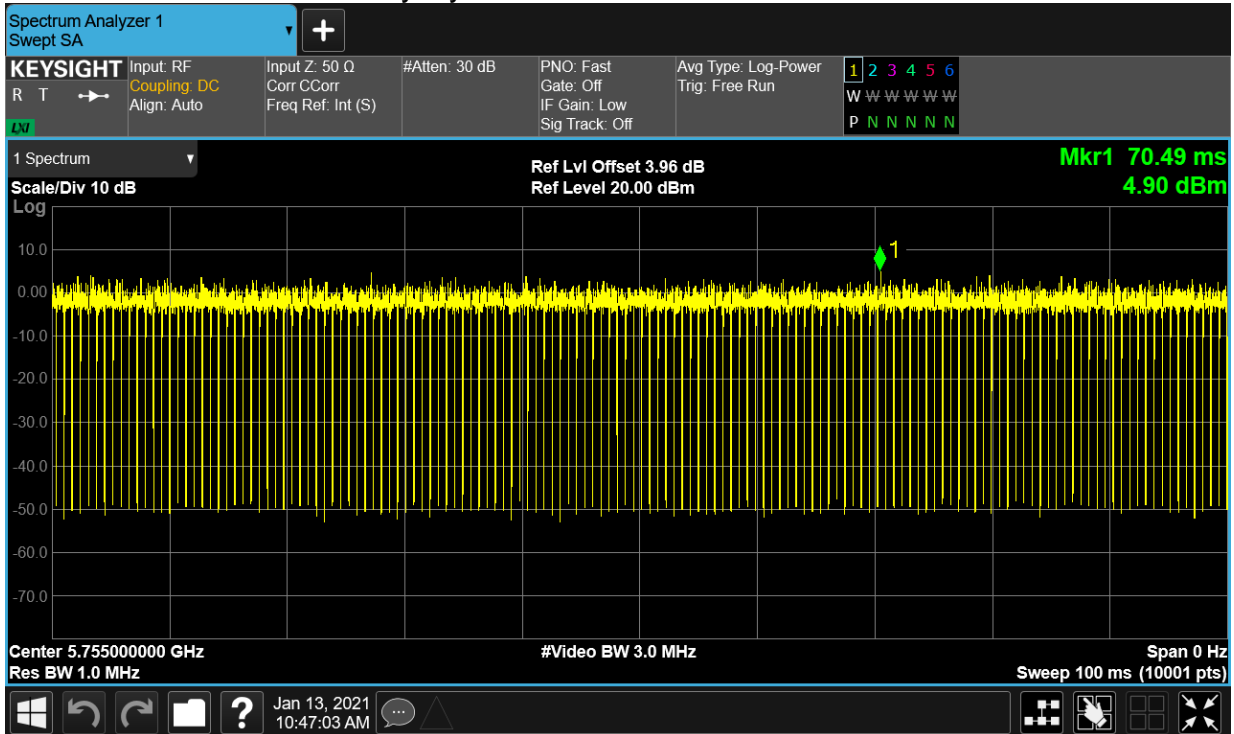
Duty Cycle NVNT n20 5785MHz Ant1



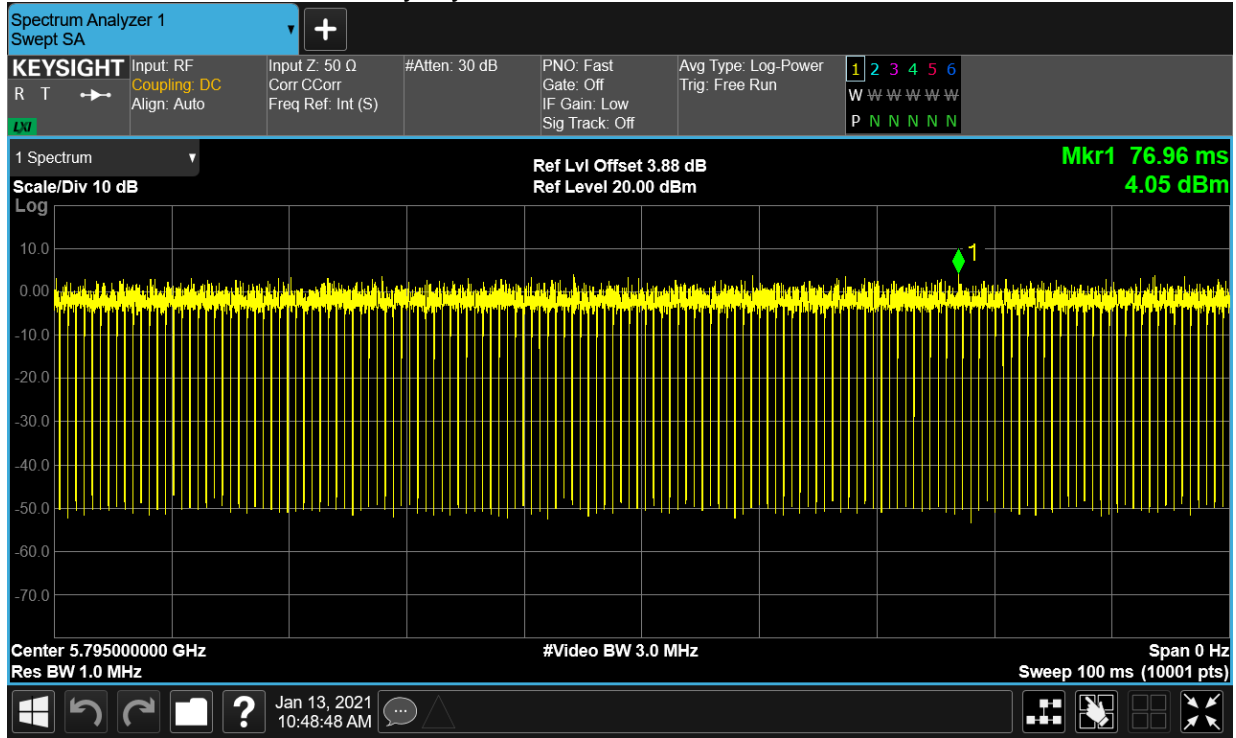
Duty Cycle NVNT n20 5825MHz Ant1



Duty Cycle NVNT n40 5755MHz Ant1



Duty Cycle NVNT n40 5795MHz Ant1



Maximum Conducted Output Power

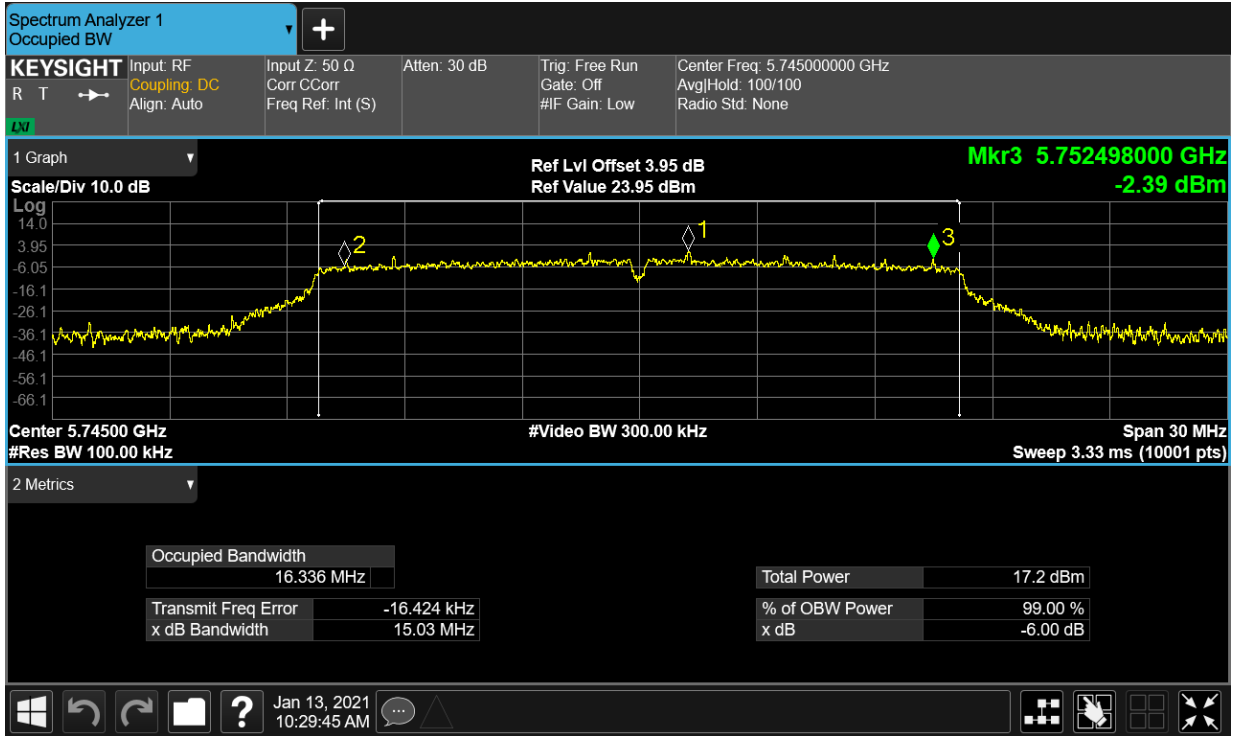
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	11.35	0.1	11.45	30	Pass
NVNT	a	5785	Ant1	12.22	0.1	12.32	30	Pass
NVNT	a	5825	Ant1	11.46	0.1	11.56	30	Pass
NVNT	ac20	5745	Ant1	11.29	0.11	11.4	30	Pass
NVNT	ac20	5785	Ant1	12.16	0.1	12.26	30	Pass
NVNT	ac20	5825	Ant1	11.38	0.1	11.48	30	Pass
NVNT	ac40	5755	Ant1	11.13	0.2	11.33	30	Pass
NVNT	ac40	5795	Ant1	11.78	0.21	11.99	30	Pass
NVNT	ac80	5775	Ant1	11.61	0.4	12.01	30	Pass
NVNT	n20	5745	Ant1	11.31	0.11	11.42	30	Pass
NVNT	n20	5785	Ant1	12.17	0.1	12.27	30	Pass
NVNT	n20	5825	Ant1	11.39	0.11	11.5	30	Pass
NVNT	n40	5755	Ant1	11.12	0.21	11.33	30	Pass
NVNT	n40	5795	Ant1	11.76	0.21	11.97	30	Pass

-6dB Bandwidth

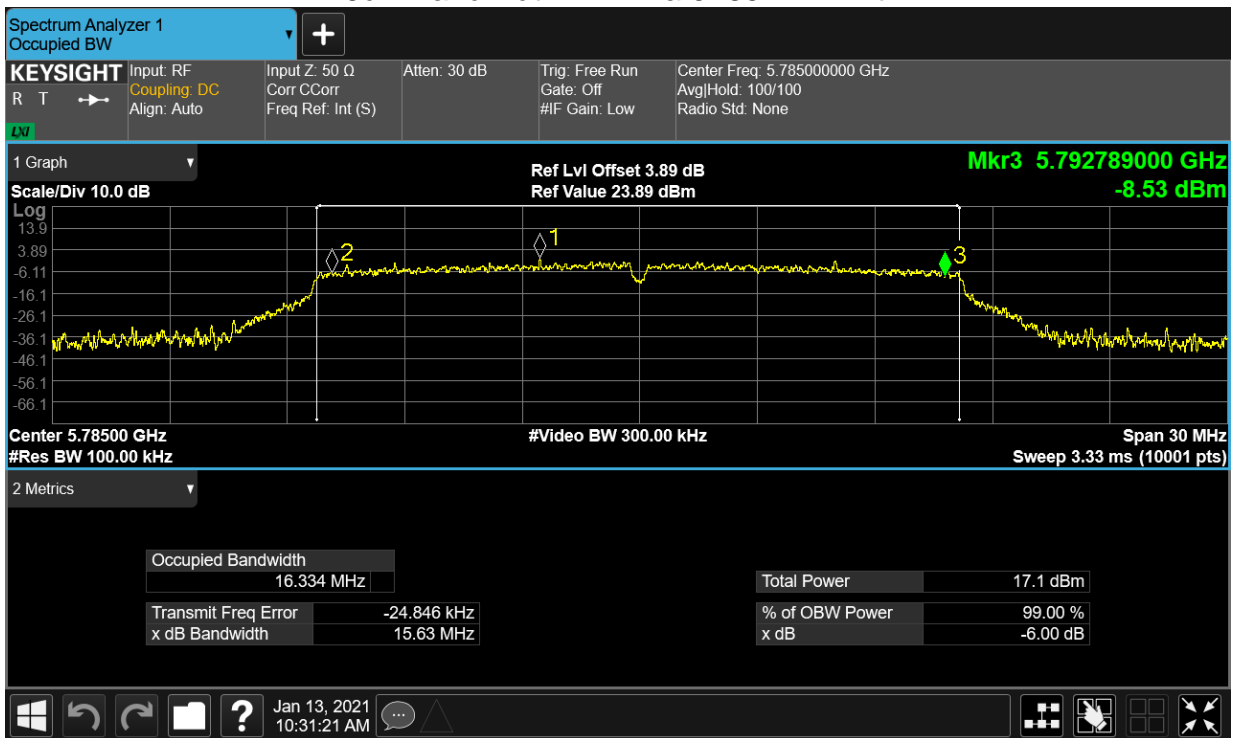
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	15.028	0.5	Pass
NVNT	a	5785	Ant1	15.627	0.5	Pass
NVNT	a	5825	Ant1	15.096	0.5	Pass
NVNT	ac20	5745	Ant1	13.427	0.5	Pass
NVNT	ac20	5785	Ant1	14.649	0.5	Pass
NVNT	ac20	5825	Ant1	13.885	0.5	Pass
NVNT	ac40	5755	Ant1	33.837	0.5	Pass
NVNT	ac40	5795	Ant1	35.079	0.5	Pass

NVNT	ac80	5775	Ant1	73.839	0.5	Pass
NVNT	n20	5745	Ant1	14.202	0.5	Pass
NVNT	n20	5785	Ant1	15.045	0.5	Pass
NVNT	n20	5825	Ant1	15.069	0.5	Pass
NVNT	n40	5755	Ant1	32.604	0.5	Pass
NVNT	n40	5795	Ant1	33.756	0.5	Pass

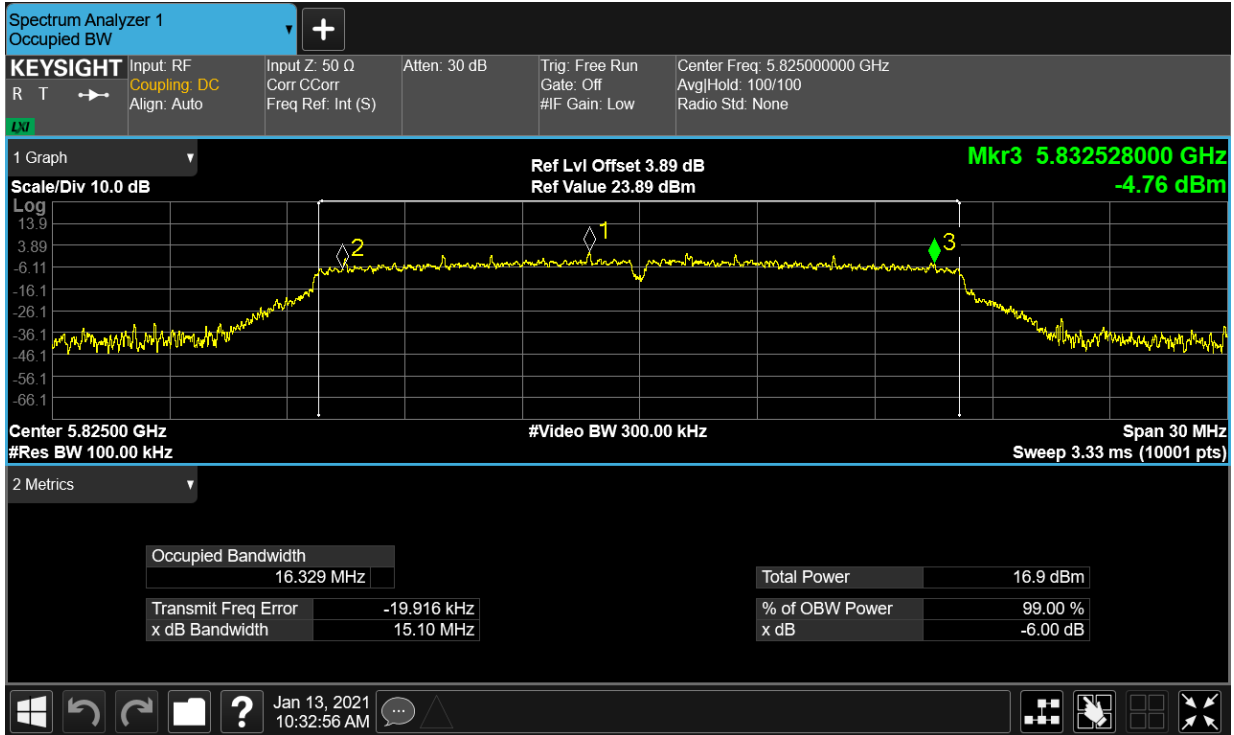
-6dB Bandwidth NVNT a 5745MHz Ant1



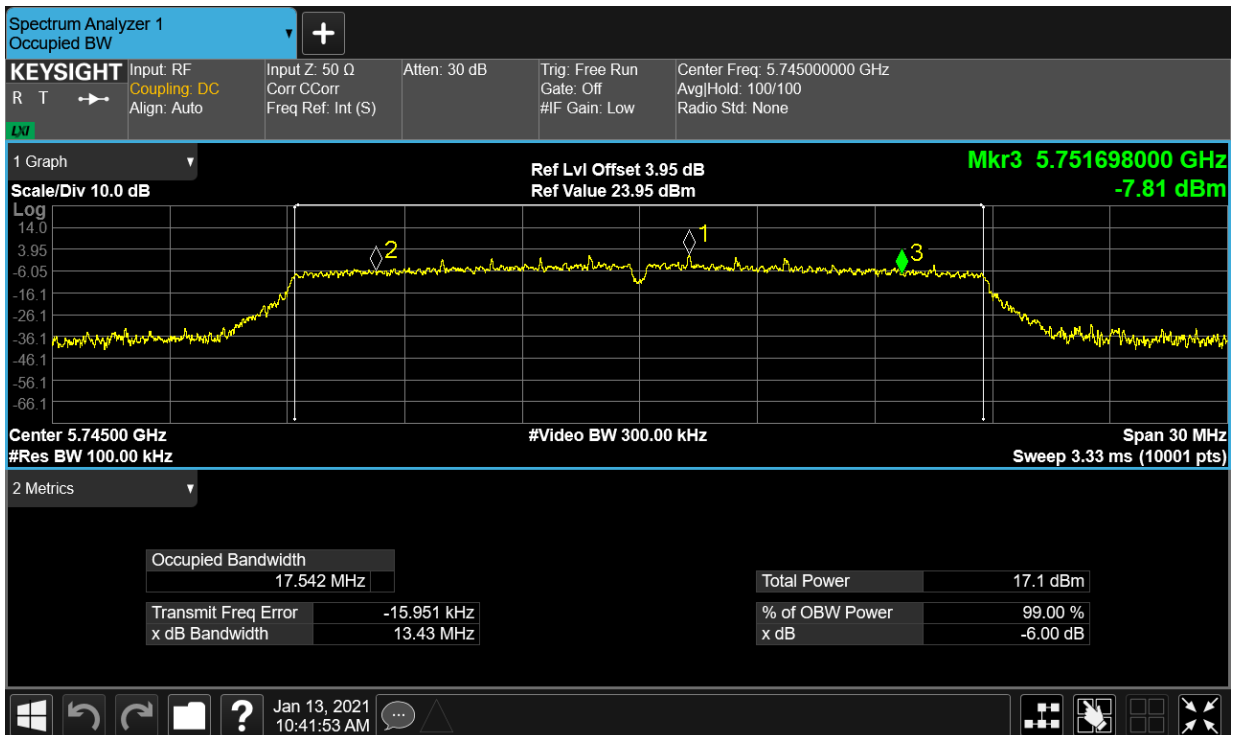
-6dB Bandwidth NVNT a 5785MHz Ant1



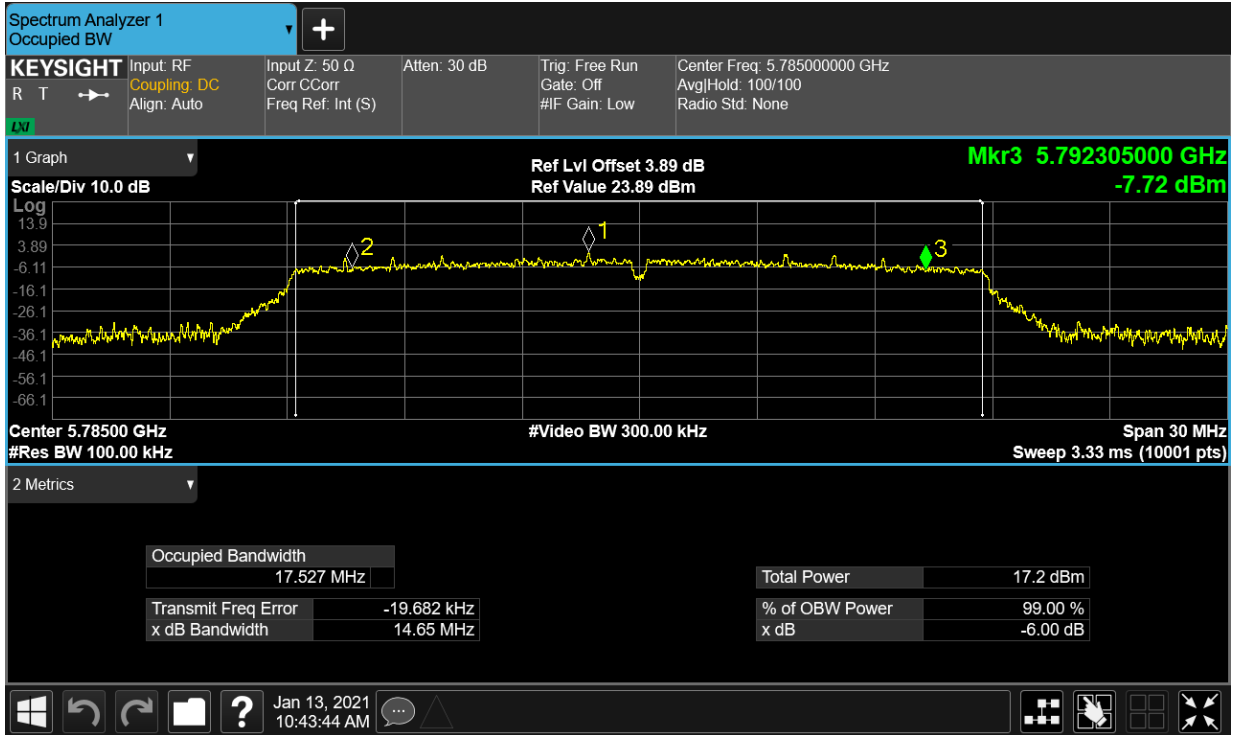
-6dB Bandwidth NVNT a 5825MHz Ant1



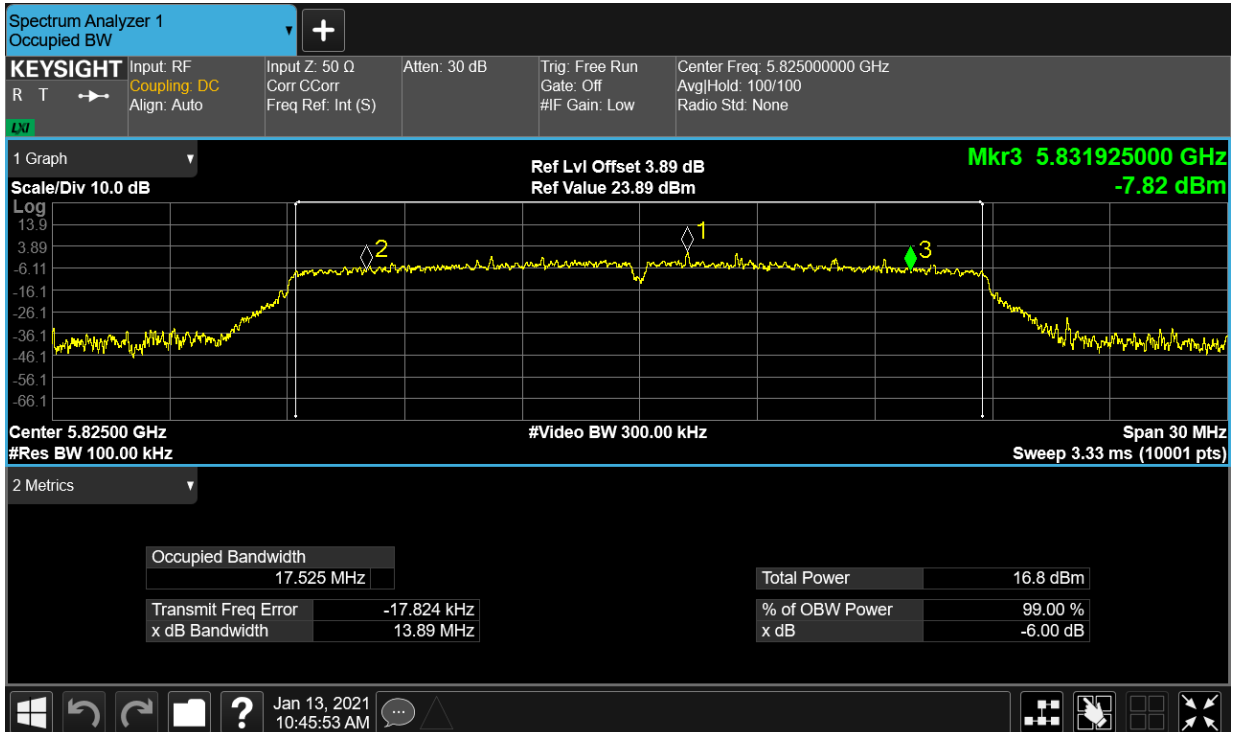
-6dB Bandwidth NVNT ac20 5745MHz Ant1



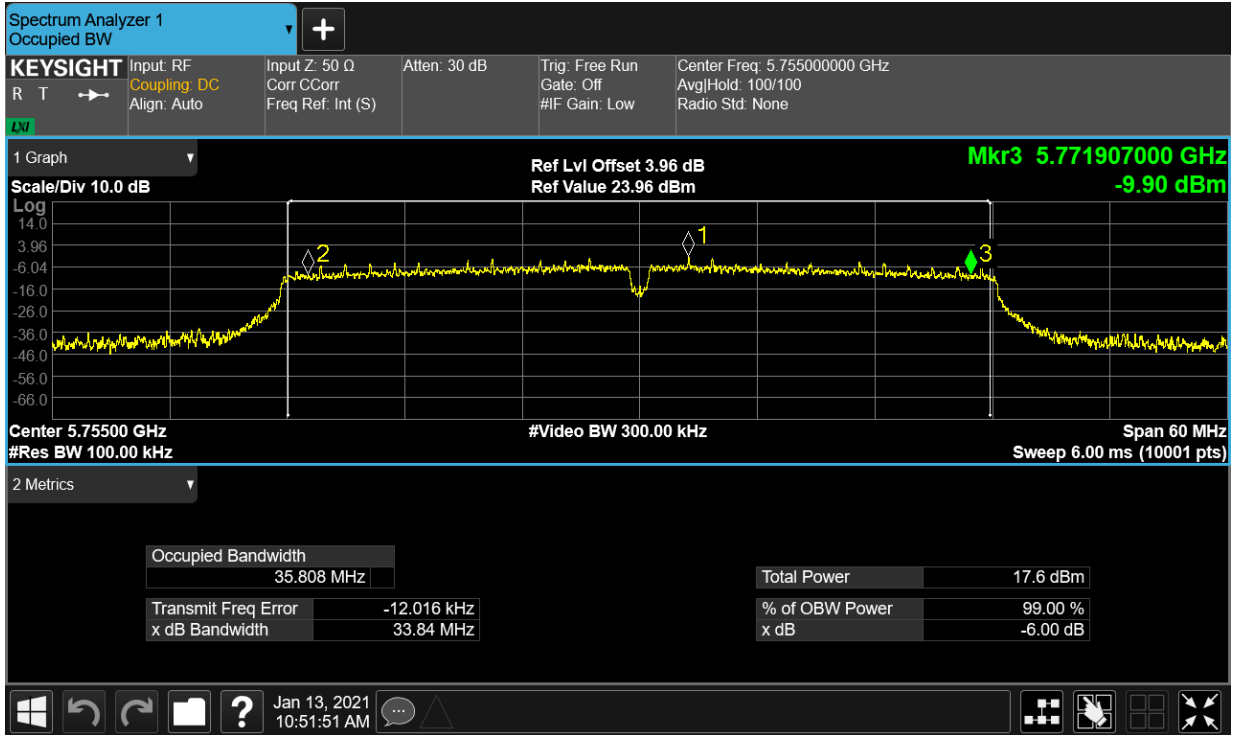
-6dB Bandwidth NVNT ac20 5785MHz Ant1



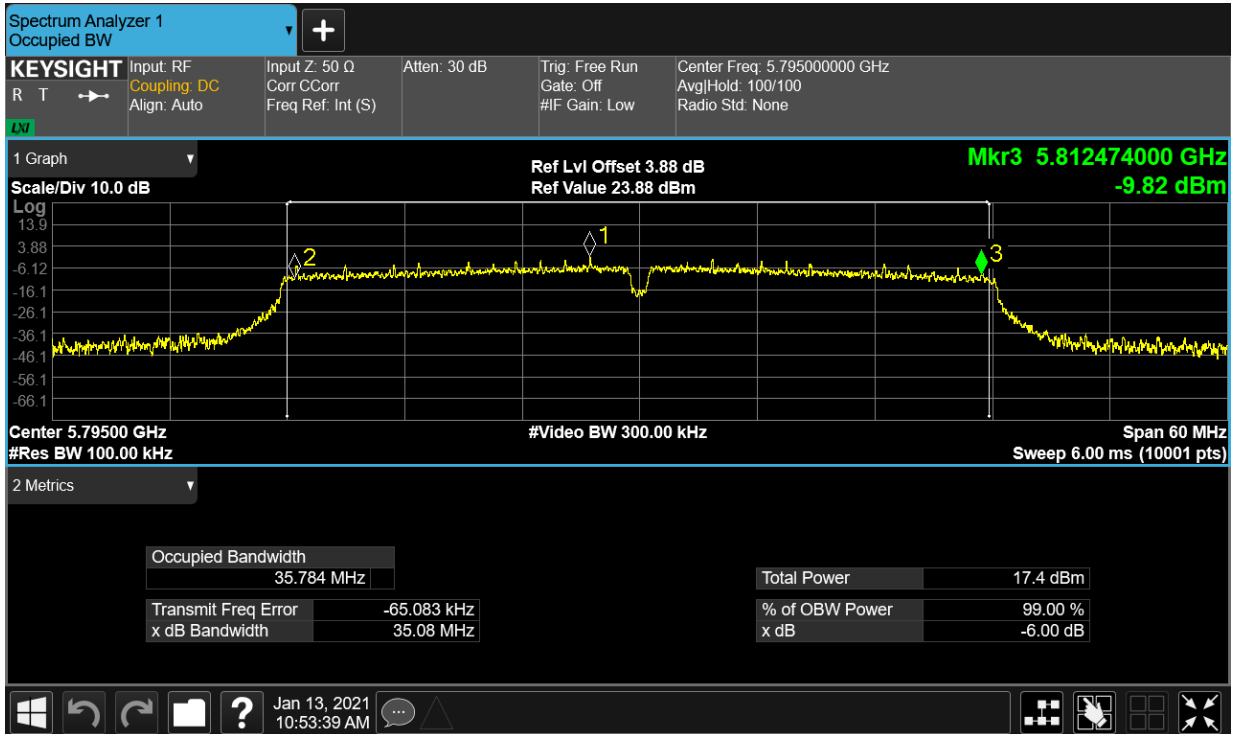
-6dB Bandwidth NVNT ac20 5825MHz Ant1



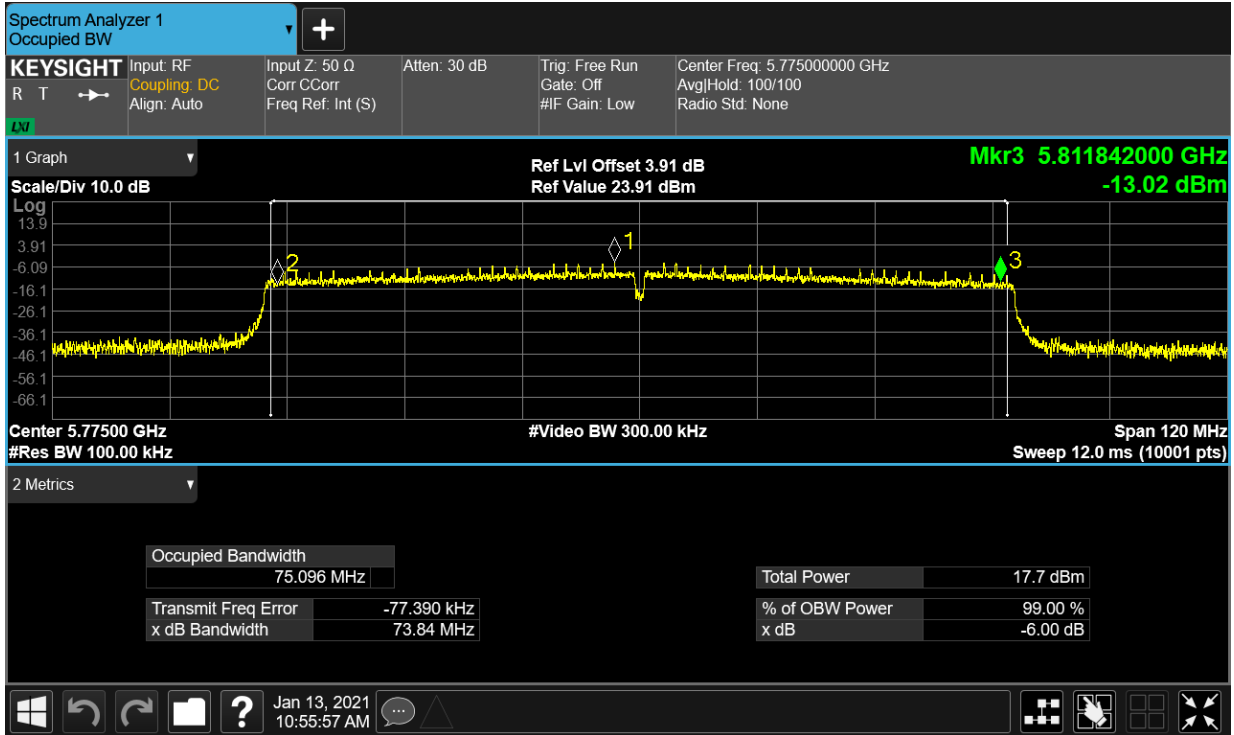
-6dB Bandwidth NVNT ac40 5755MHz Ant1



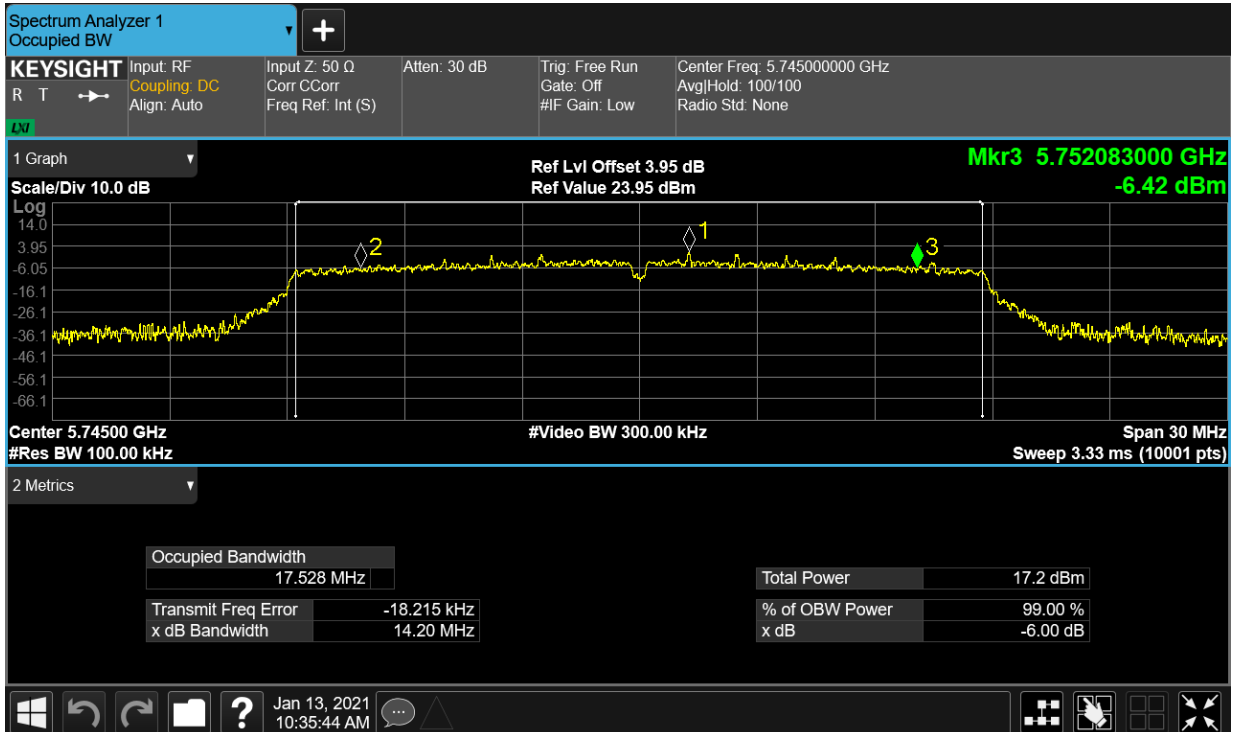
-6dB Bandwidth NVNT ac40 5795MHz Ant1



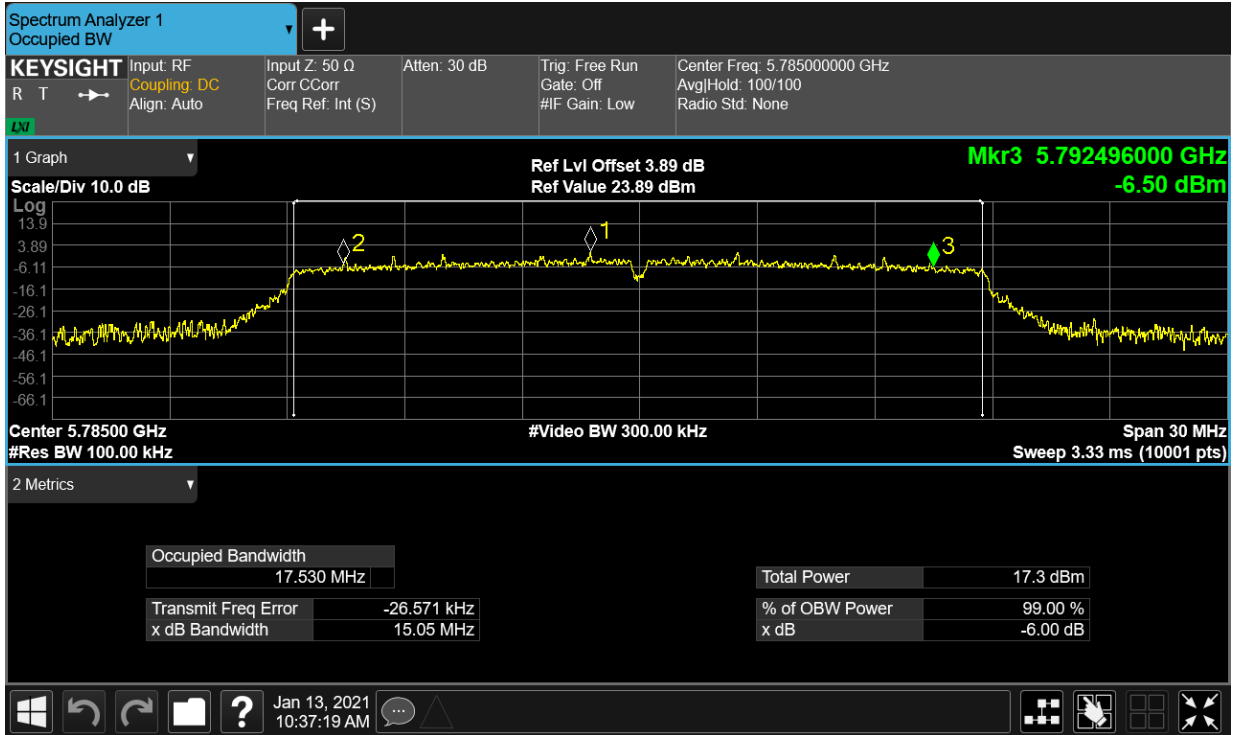
-6dB Bandwidth NVNT ac80 5775MHz Ant1



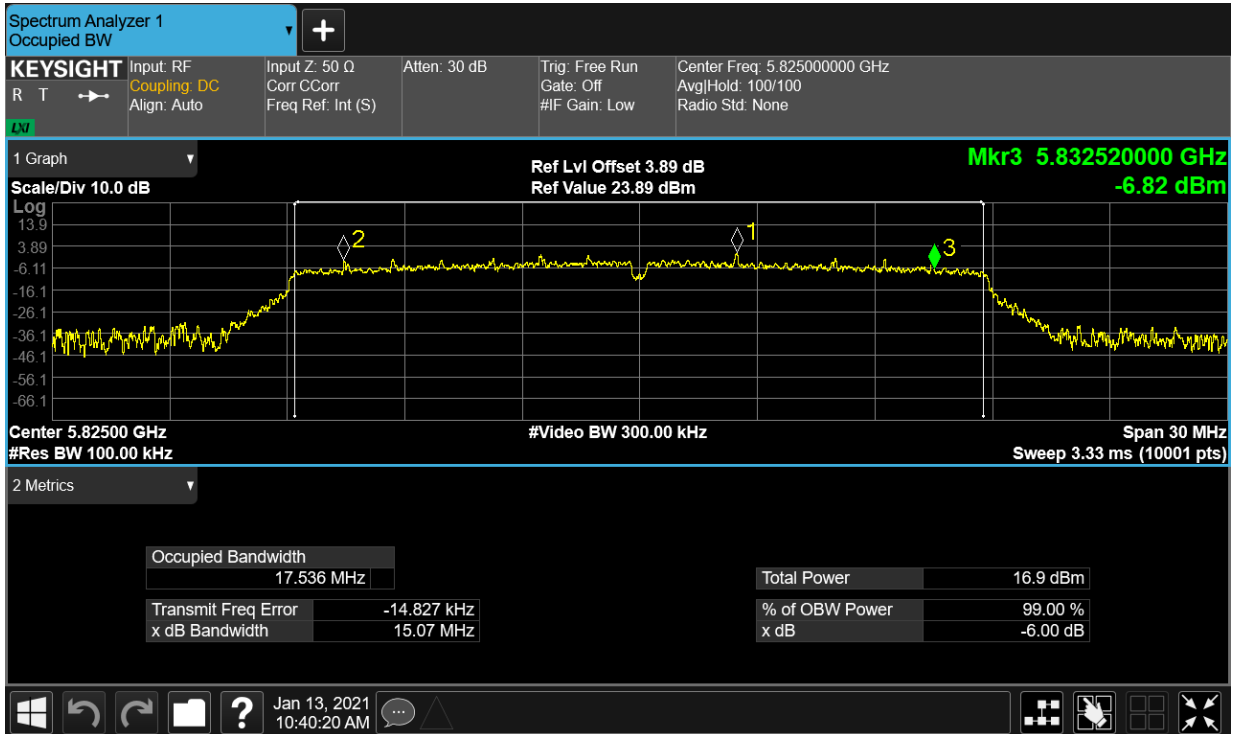
-6dB Bandwidth NVNT n20 5745MHz Ant1



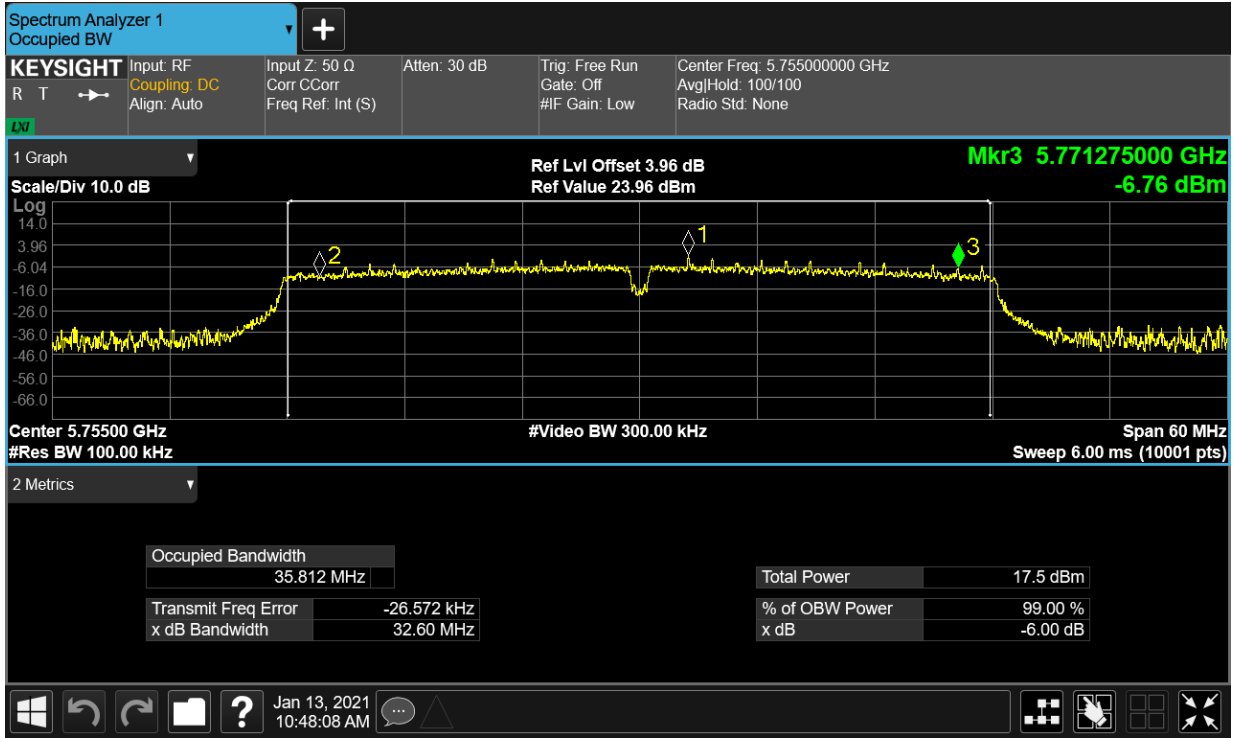
-6dB Bandwidth NVNT n20 5785MHz Ant1



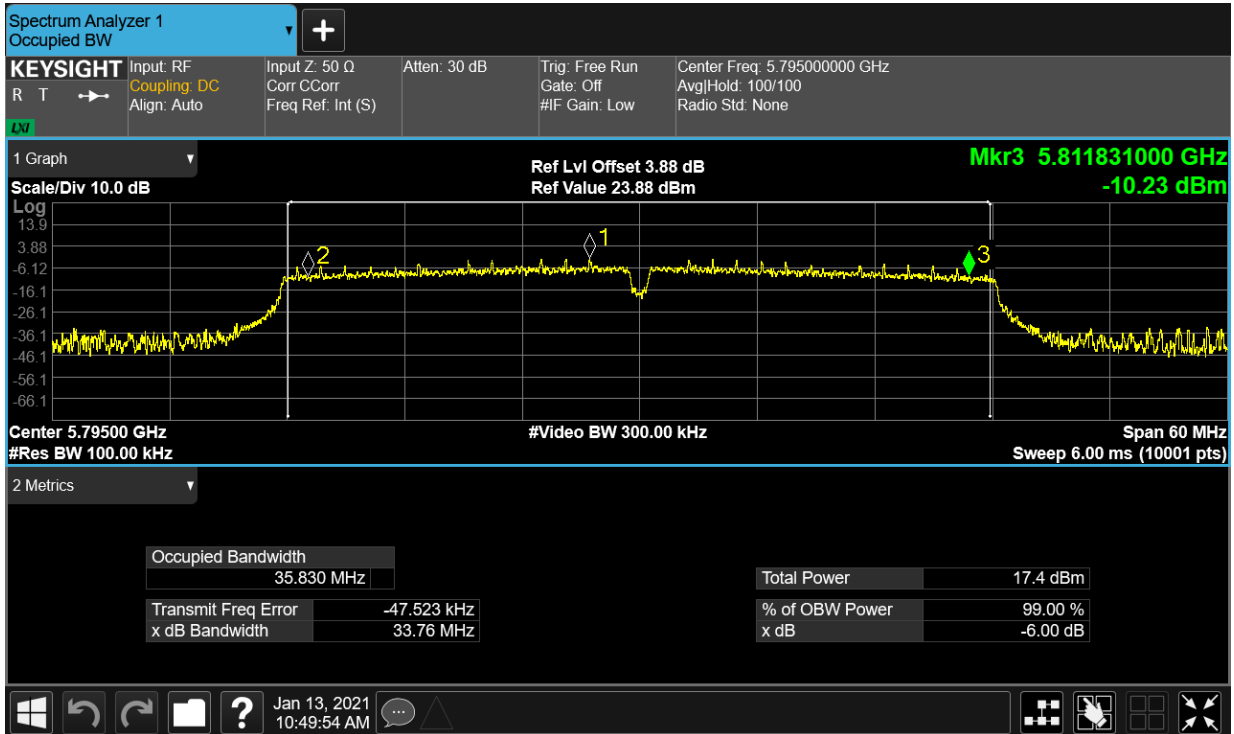
-6dB Bandwidth NVNT n20 5825MHz Ant1



-6dB Bandwidth NVNT n40 5755MHz Ant1



-6dB Bandwidth NVNT n40 5795MHz Ant1

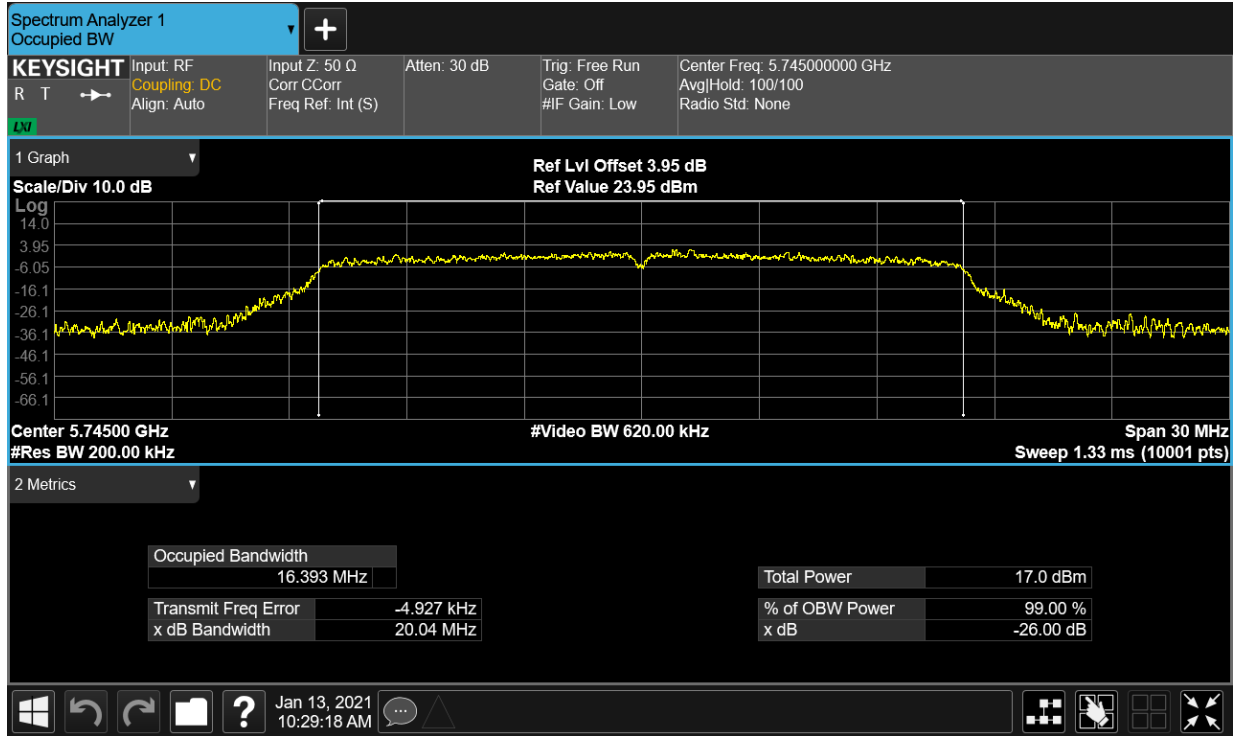


Occupied Channel Bandwidth

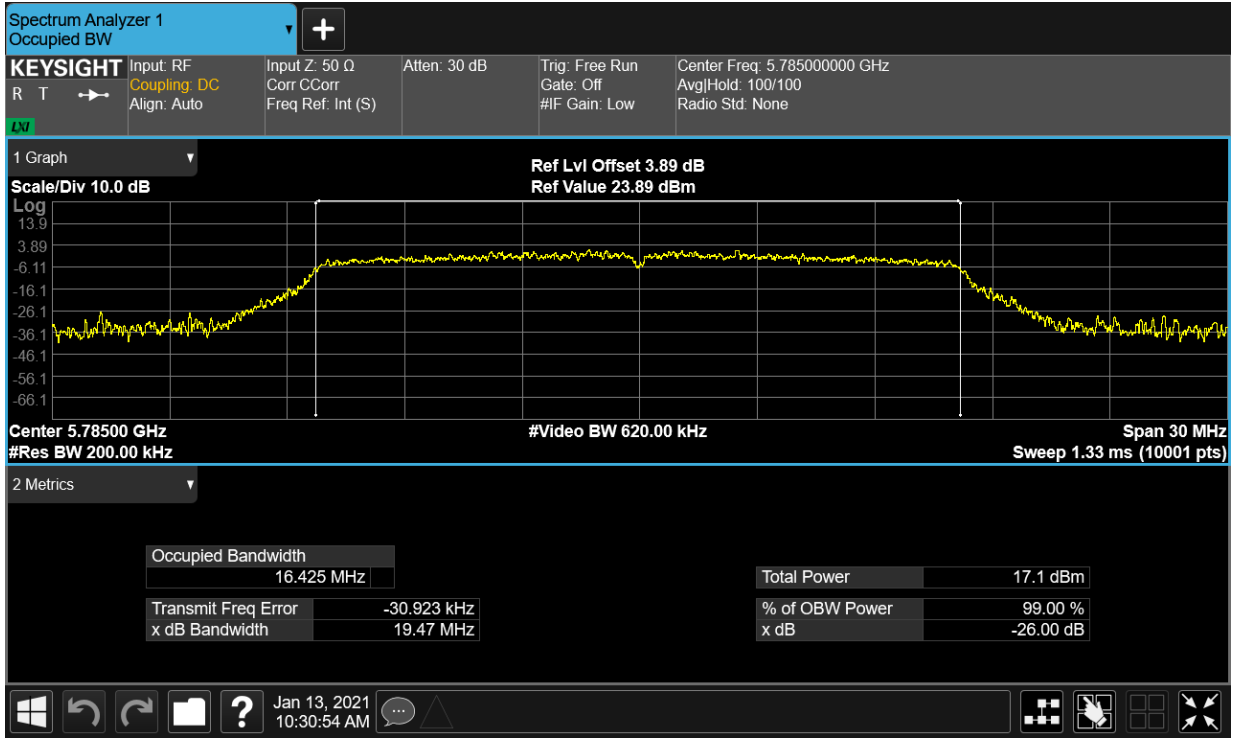
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.39341825
NVNT	a	5785	Ant1	16.42517916
NVNT	a	5825	Ant1	16.39606942
NVNT	ac20	5745	Ant1	17.56252796
NVNT	ac20	5785	Ant1	17.55614914
NVNT	ac20	5825	Ant1	17.54218034

NVNT	ac40	5755	Ant1	35.94907639
NVNT	ac40	5795	Ant1	35.93908855
NVNT	ac80	5775	Ant1	75.15467849
NVNT	n20	5745	Ant1	17.5505966
NVNT	n20	5785	Ant1	17.57186492
NVNT	n20	5825	Ant1	17.55939728
NVNT	n40	5755	Ant1	36.02015992
NVNT	n40	5795	Ant1	35.93053709

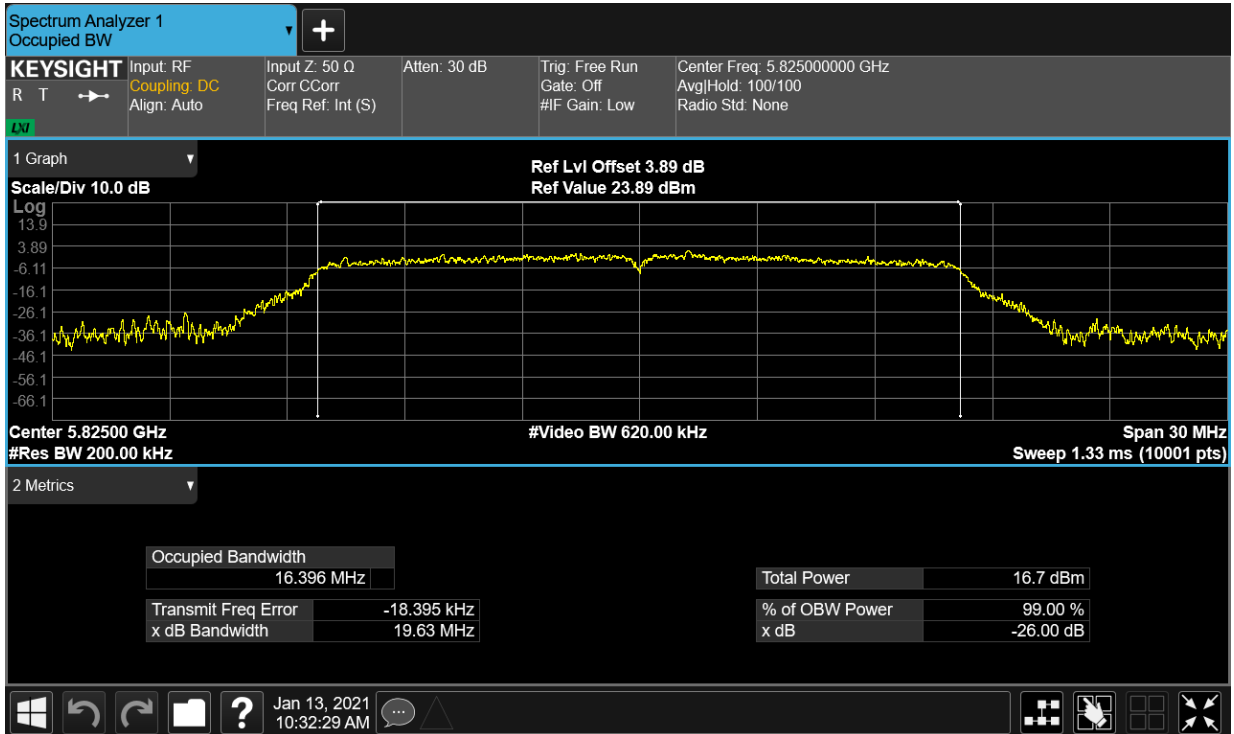
OBW NVNT a 5745MHz Ant1



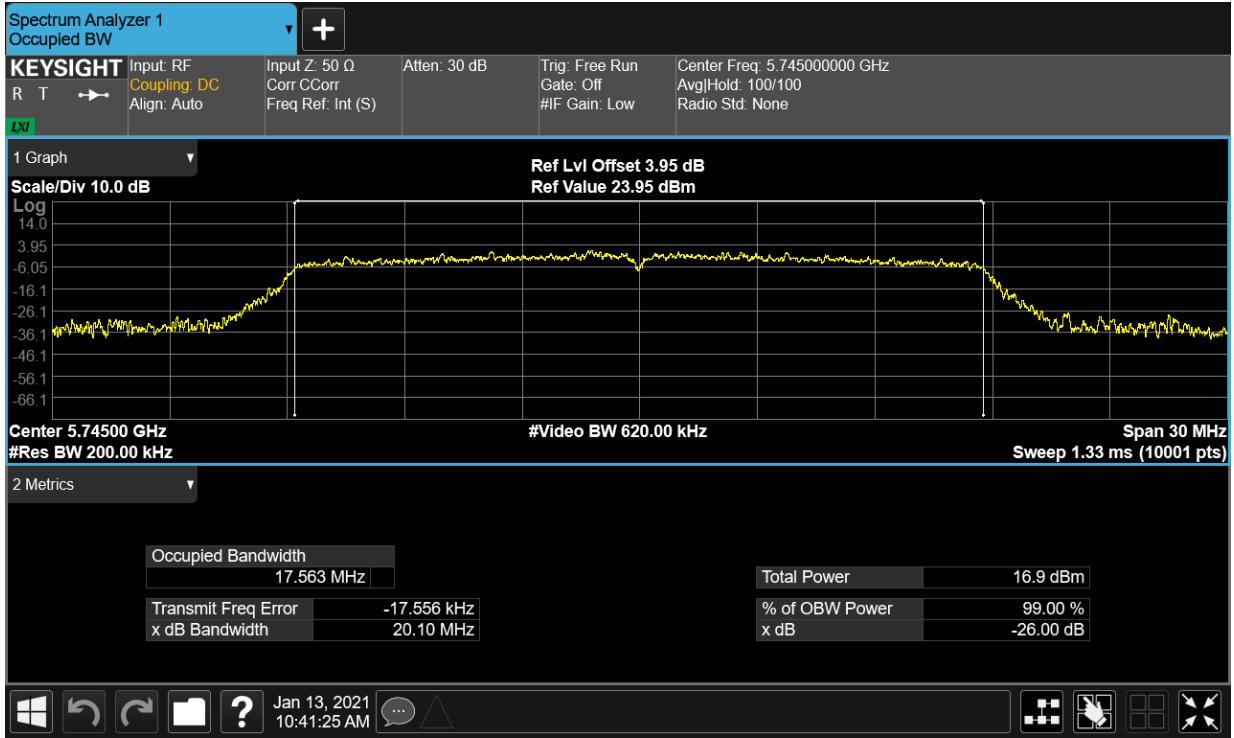
OBW NVNT a 5785MHz Ant1



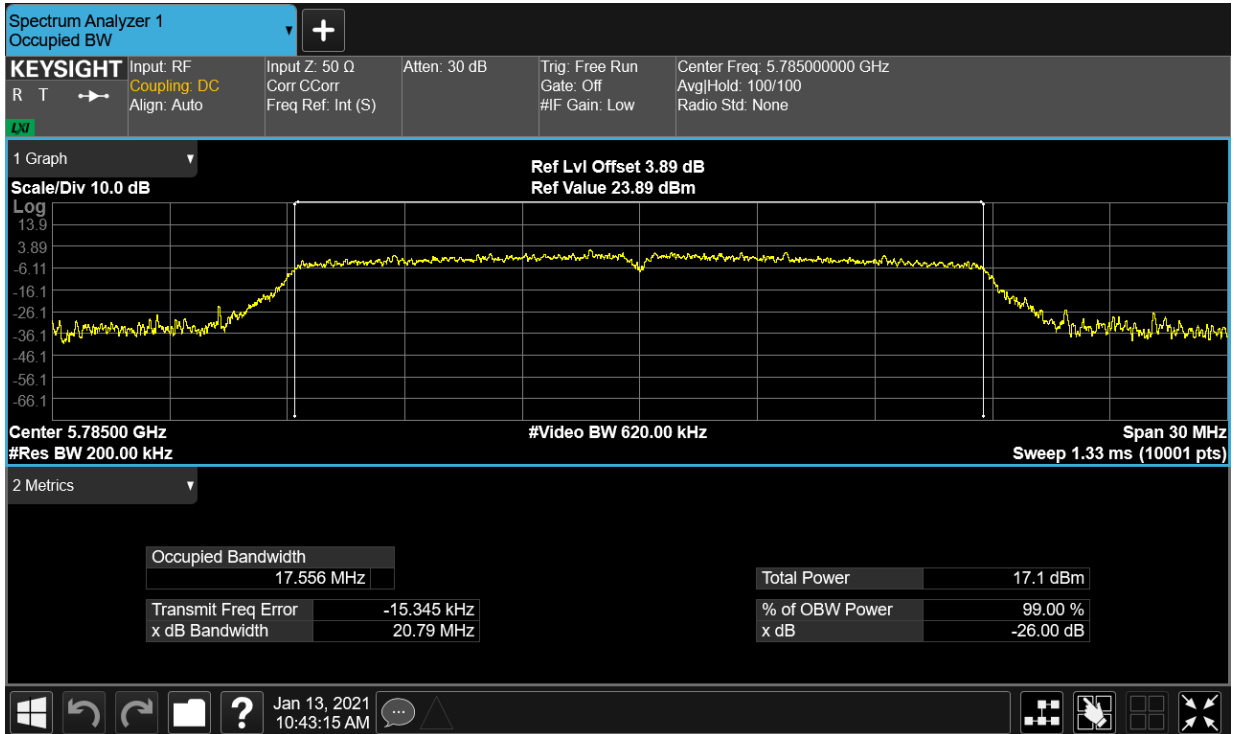
OBW NVNT a 5825MHz Ant1



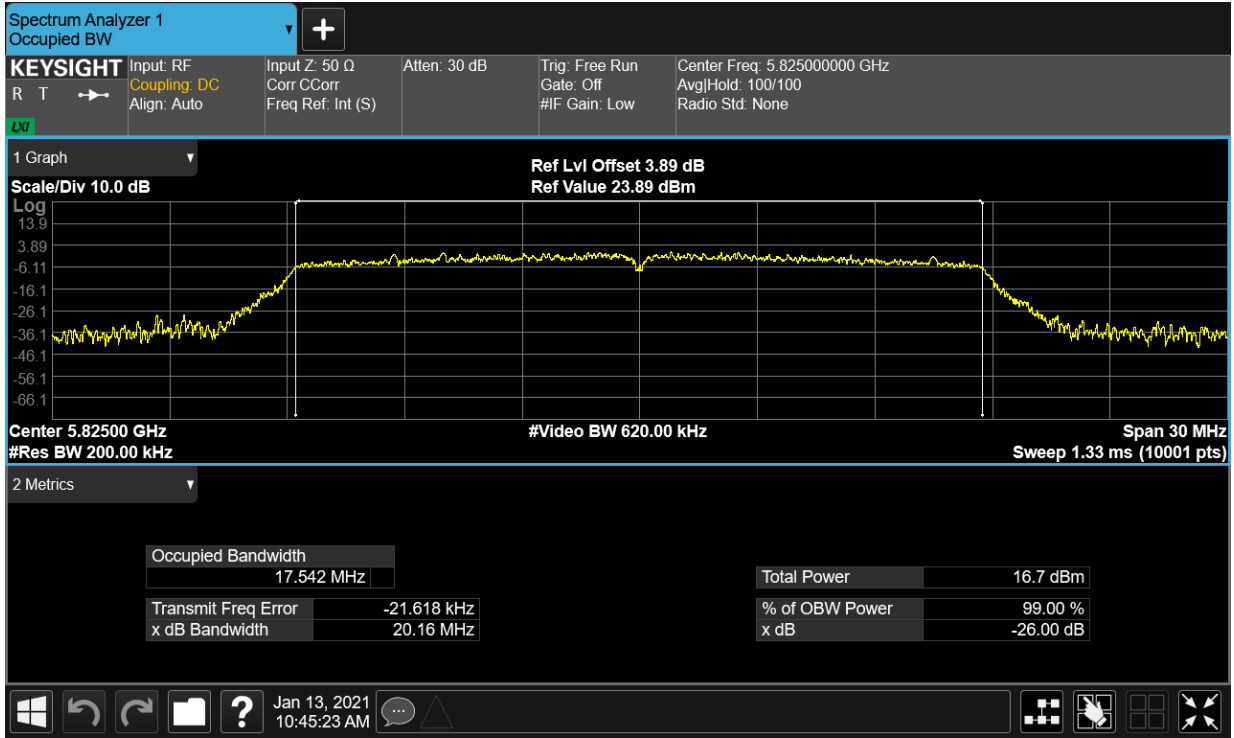
OBW NVNT ac20 5745MHz Ant1



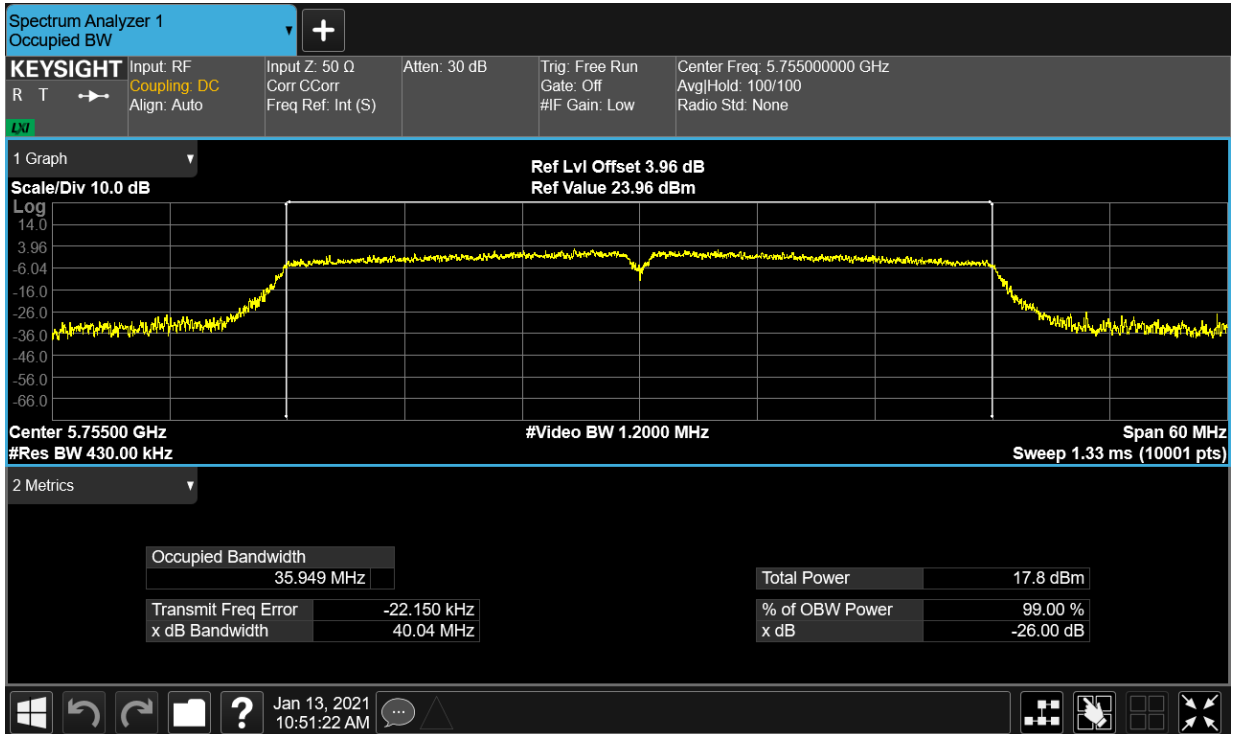
OBW NVNT ac20 5785MHz Ant1



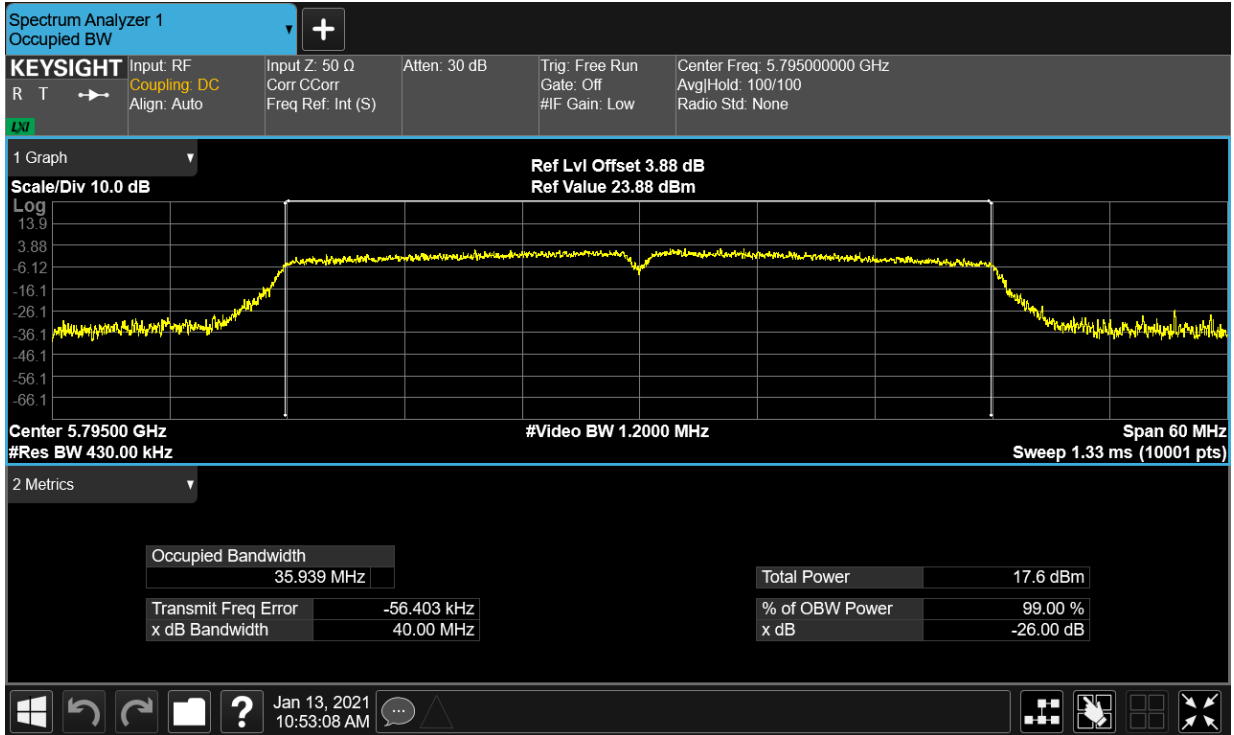
OBW NVNT ac20 5825MHz Ant1



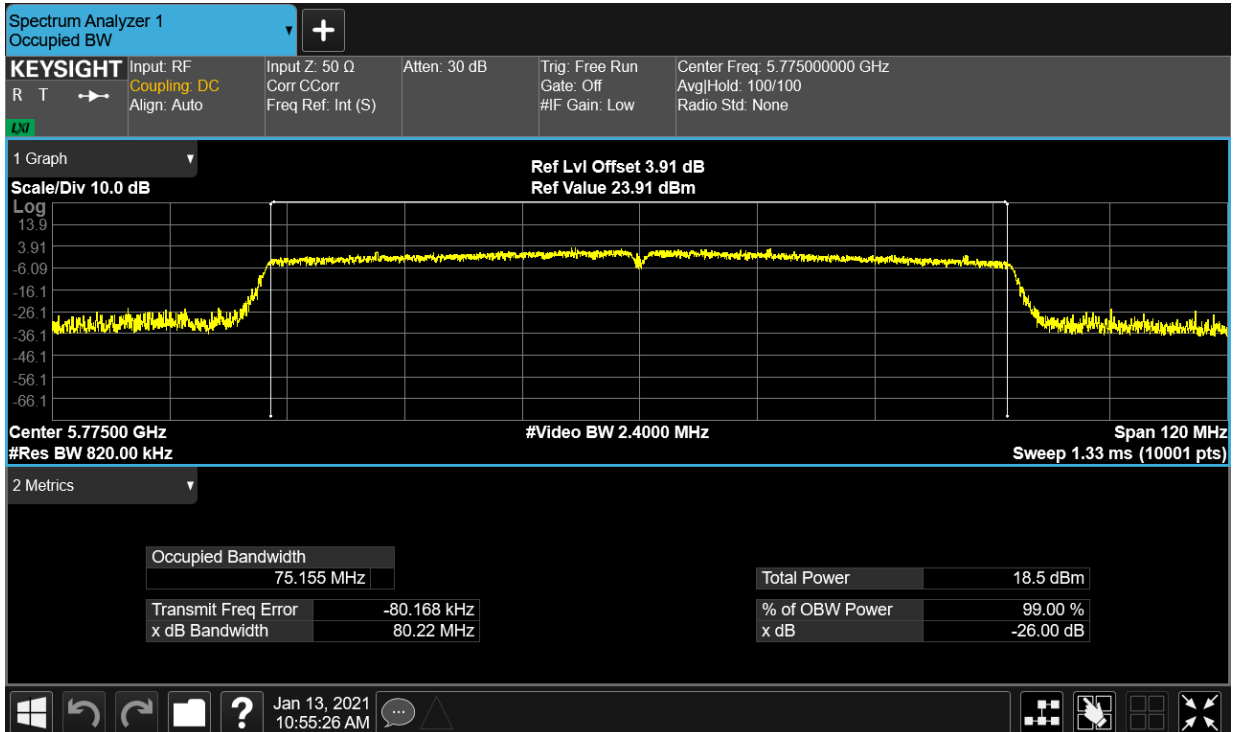
OBW NVNT ac40 5755MHz Ant1



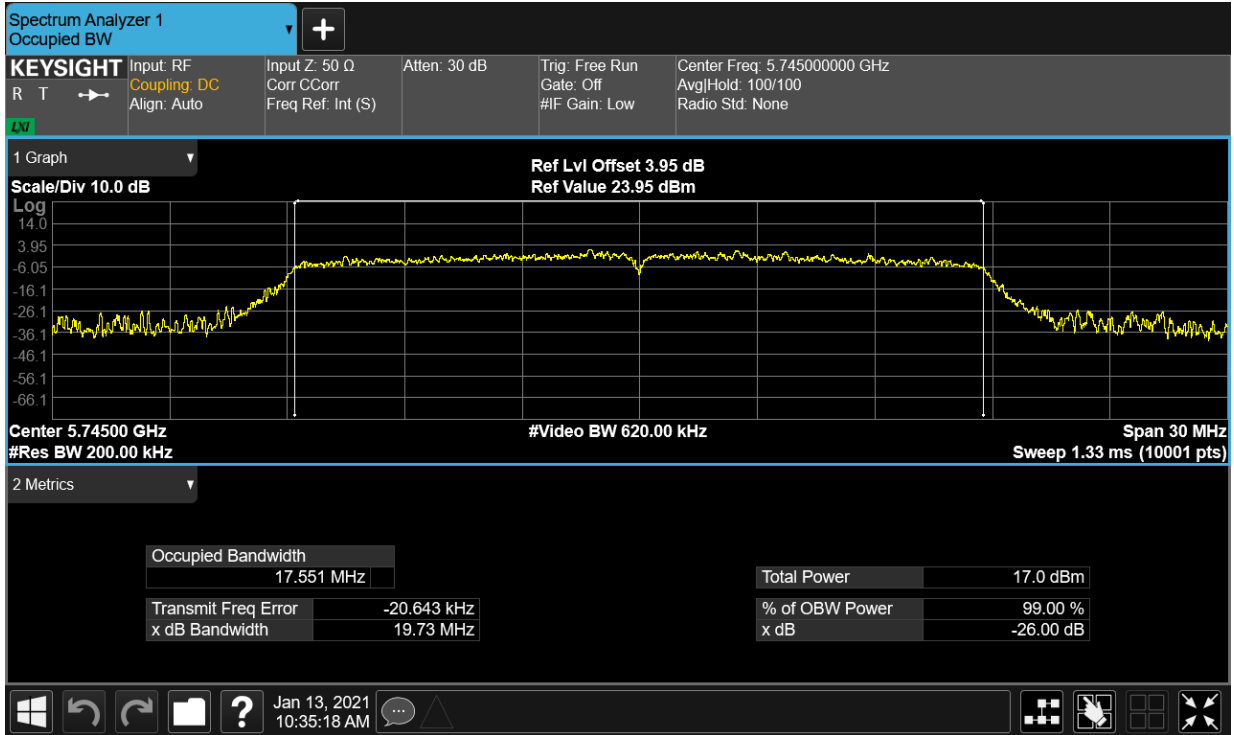
OBW NVNT ac40 5795MHz Ant1



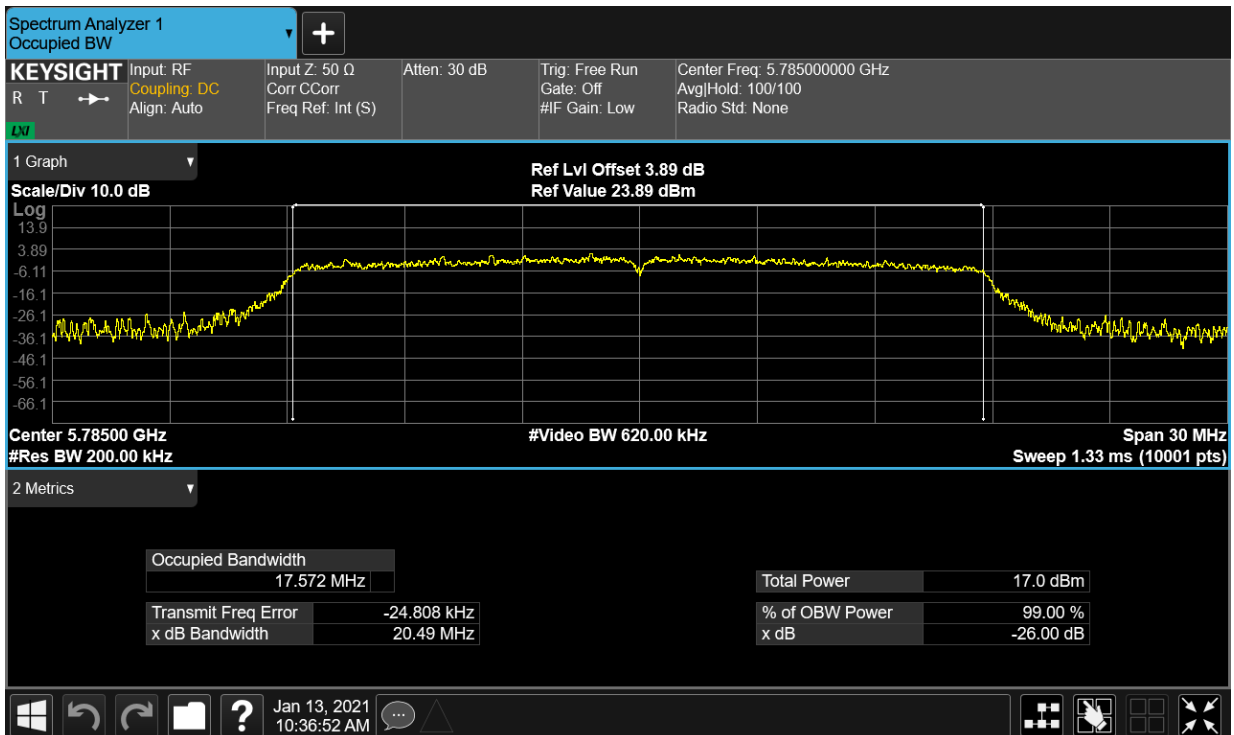
OBW NVNT ac80 5775MHz Ant1



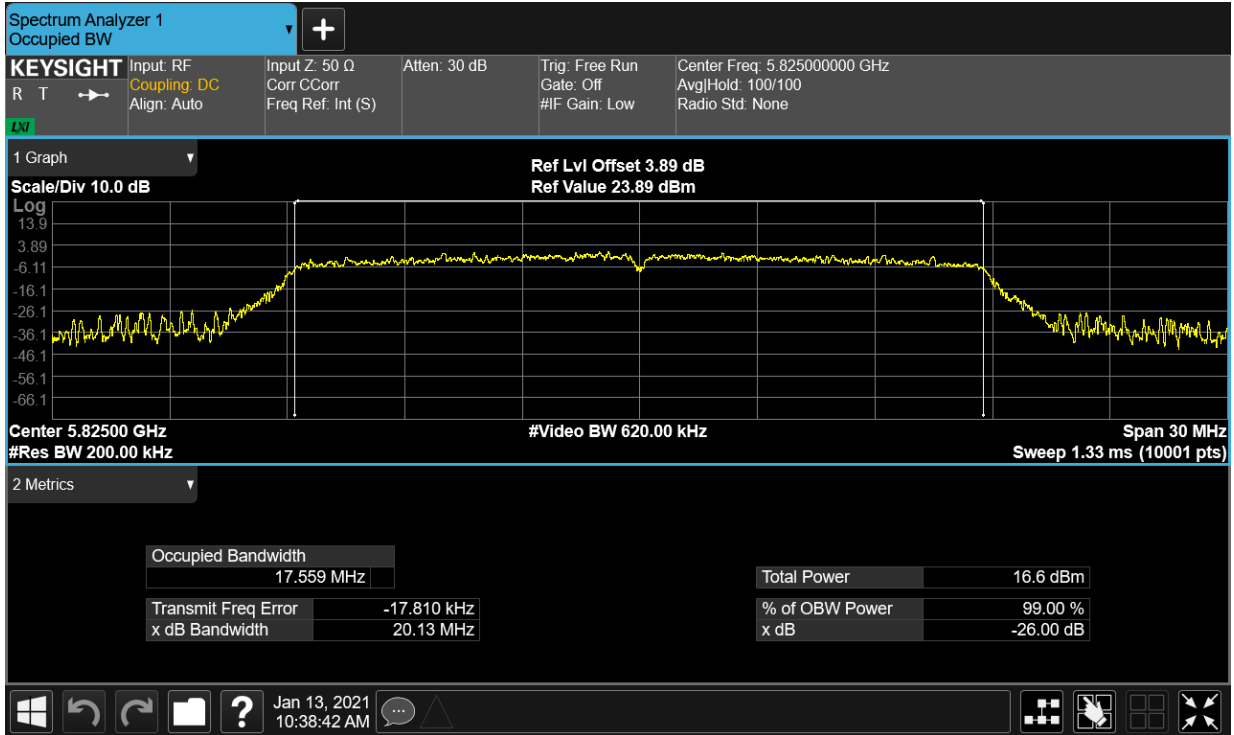
OBW NVNT n20 5745MHz Ant1



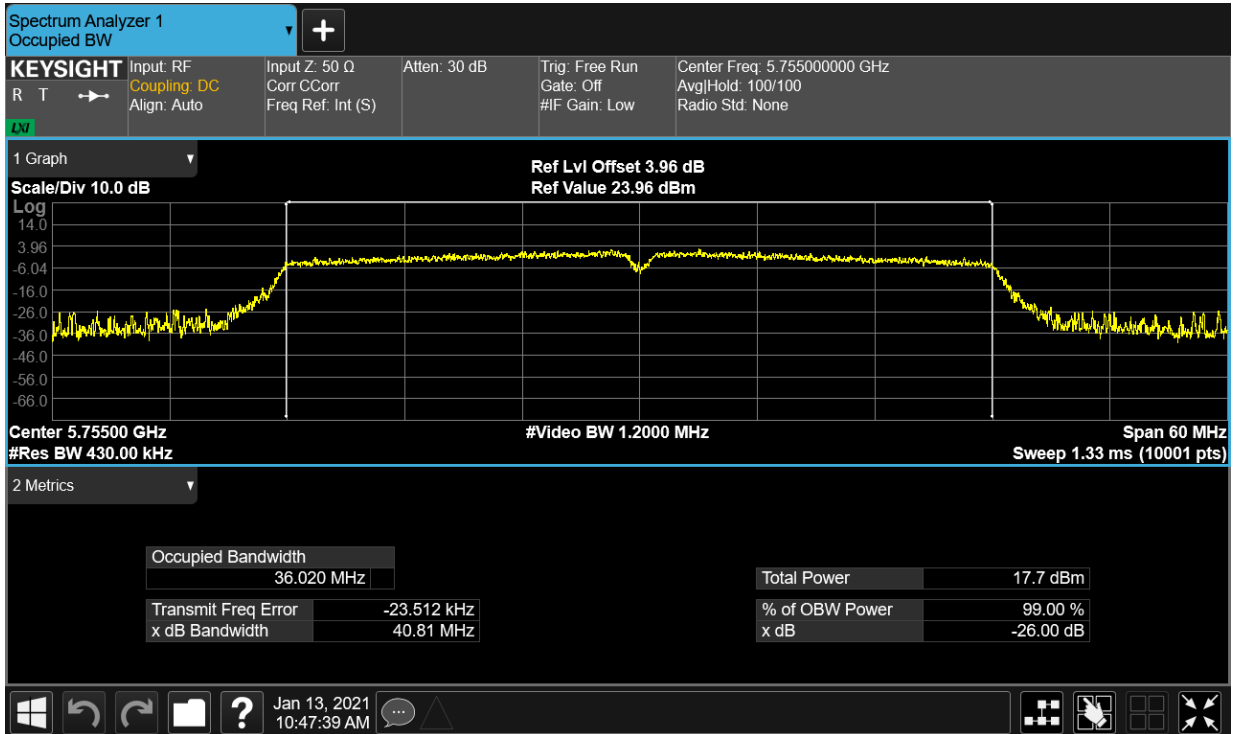
OBW NVNT n20 5785MHz Ant1



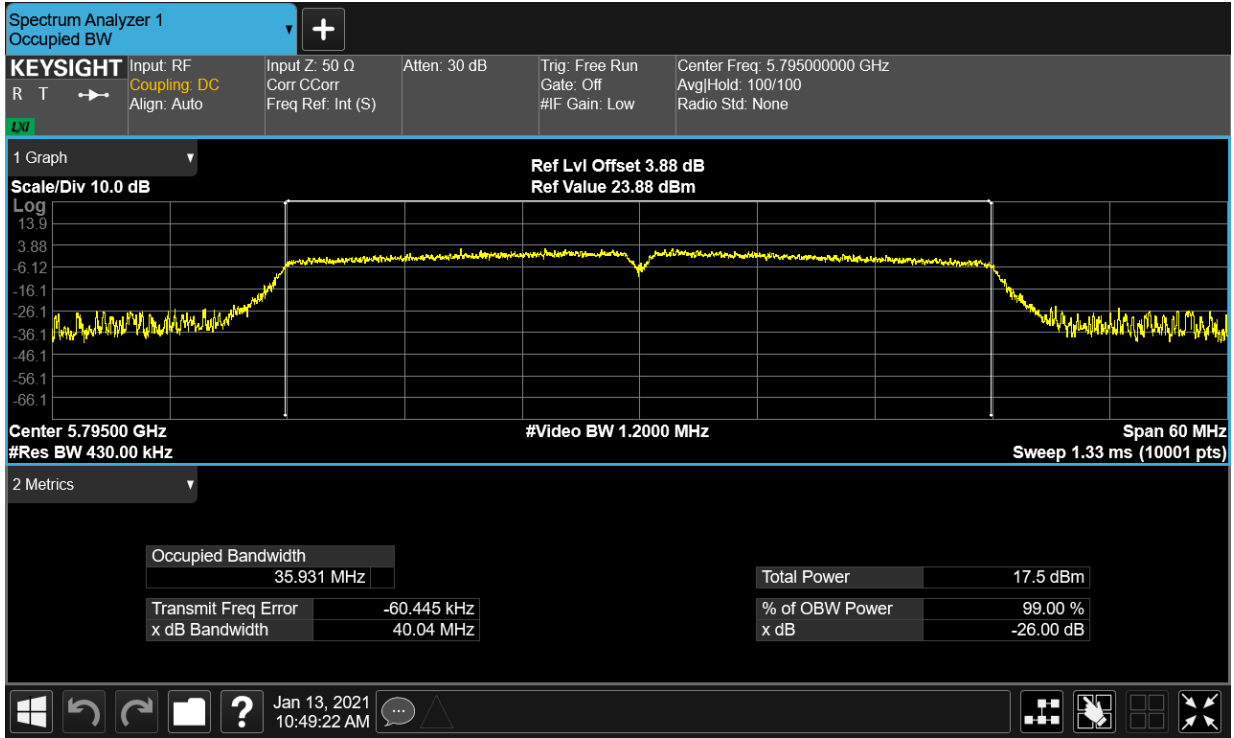
OBW NVNT n20 5825MHz Ant1



OBW NVNT n40 5755MHz Ant1



OBW NVNT n40 5795MHz Ant1



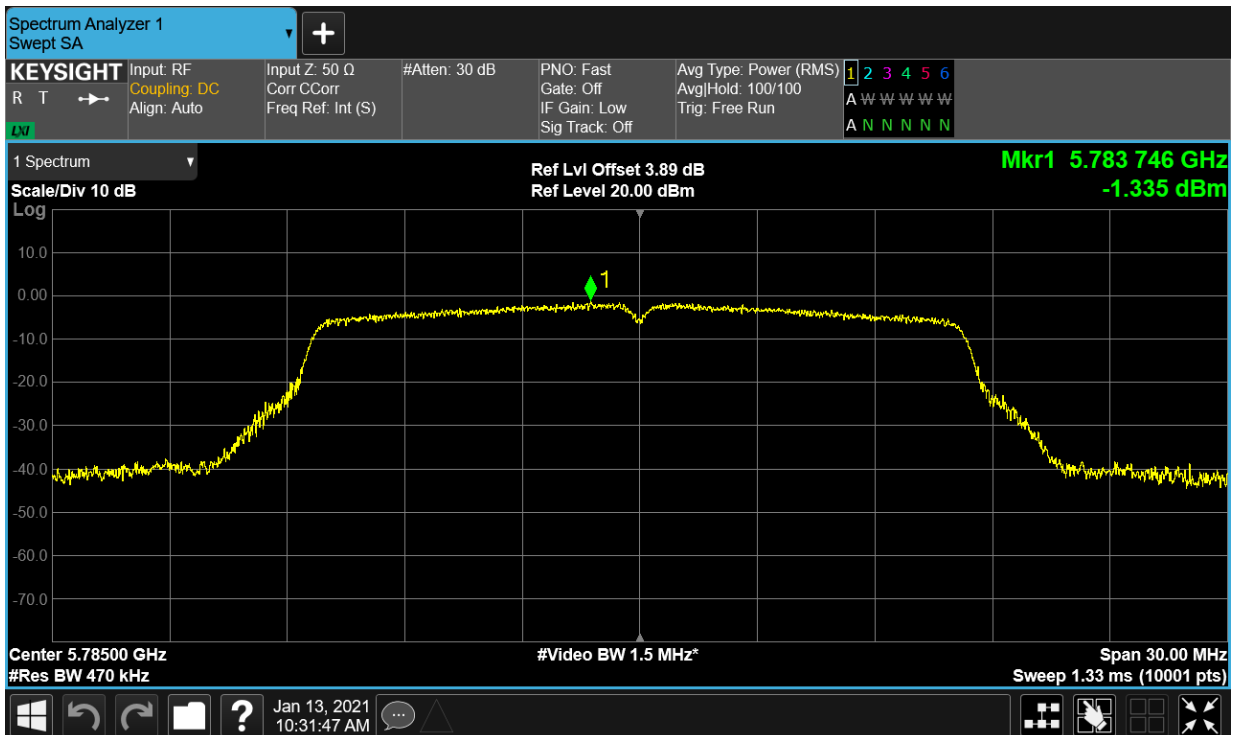
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-1.184	30	Pass
NVNT	a	5785	Ant1	-1.335	30	Pass
NVNT	a	5825	Ant1	-1.715	30	Pass
NVNT	ac20	5745	Ant1	-1.699	30	Pass
NVNT	ac20	5785	Ant1	-1.589	30	Pass
NVNT	ac20	5825	Ant1	-2.304	30	Pass
NVNT	ac40	5755	Ant1	-3.951	30	Pass
NVNT	ac40	5795	Ant1	-4.153	30	Pass
NVNT	ac80	5775	Ant1	-7.416	30	Pass
NVNT	n20	5745	Ant1	-1.781	30	Pass
NVNT	n20	5785	Ant1	-1.685	30	Pass
NVNT	n20	5825	Ant1	-2.2	30	Pass
NVNT	n40	5755	Ant1	-4.055	30	Pass
NVNT	n40	5795	Ant1	-4.167	30	Pass

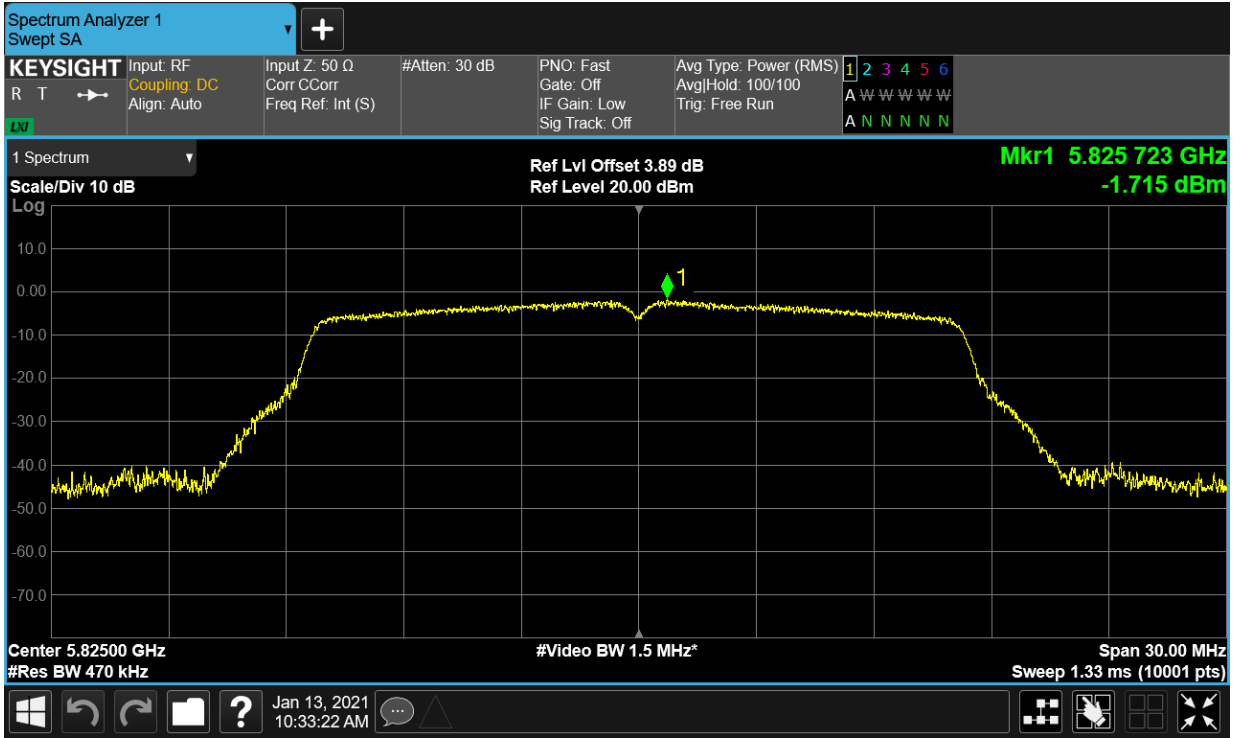
PSD NVNT a 5745MHz Ant1



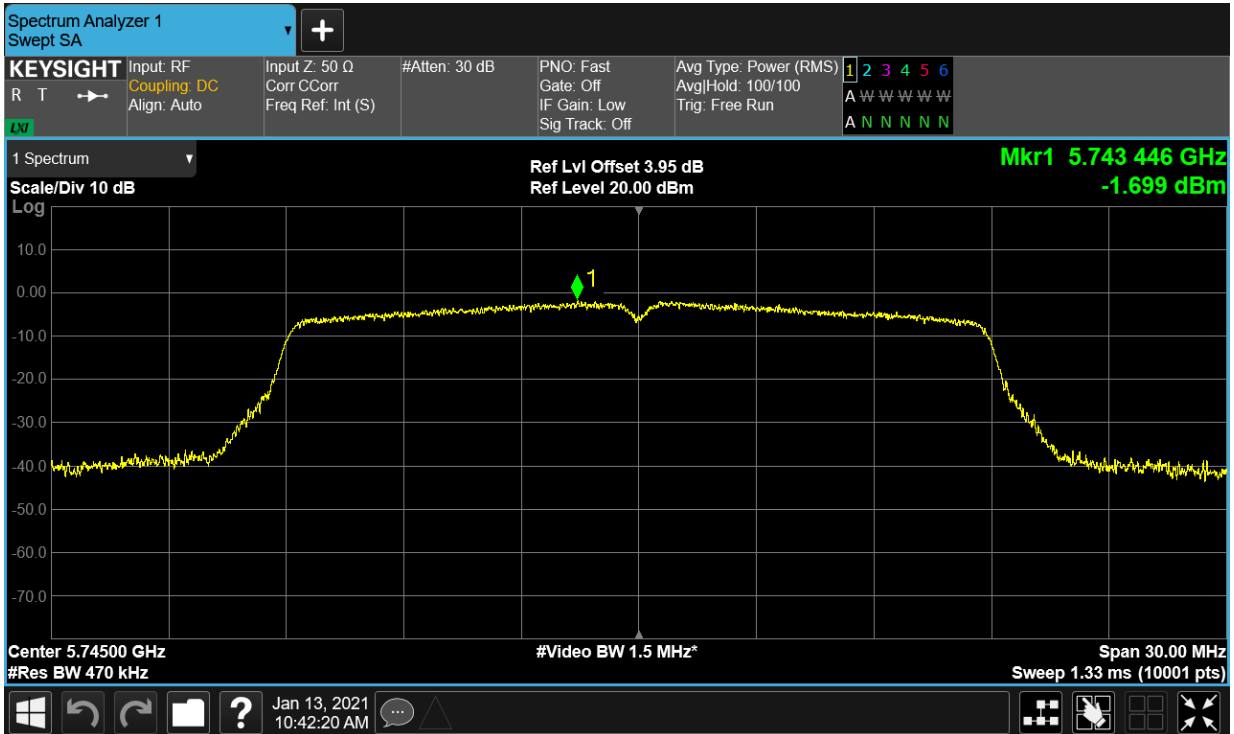
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PSD NVNT a 5825MHz Ant1



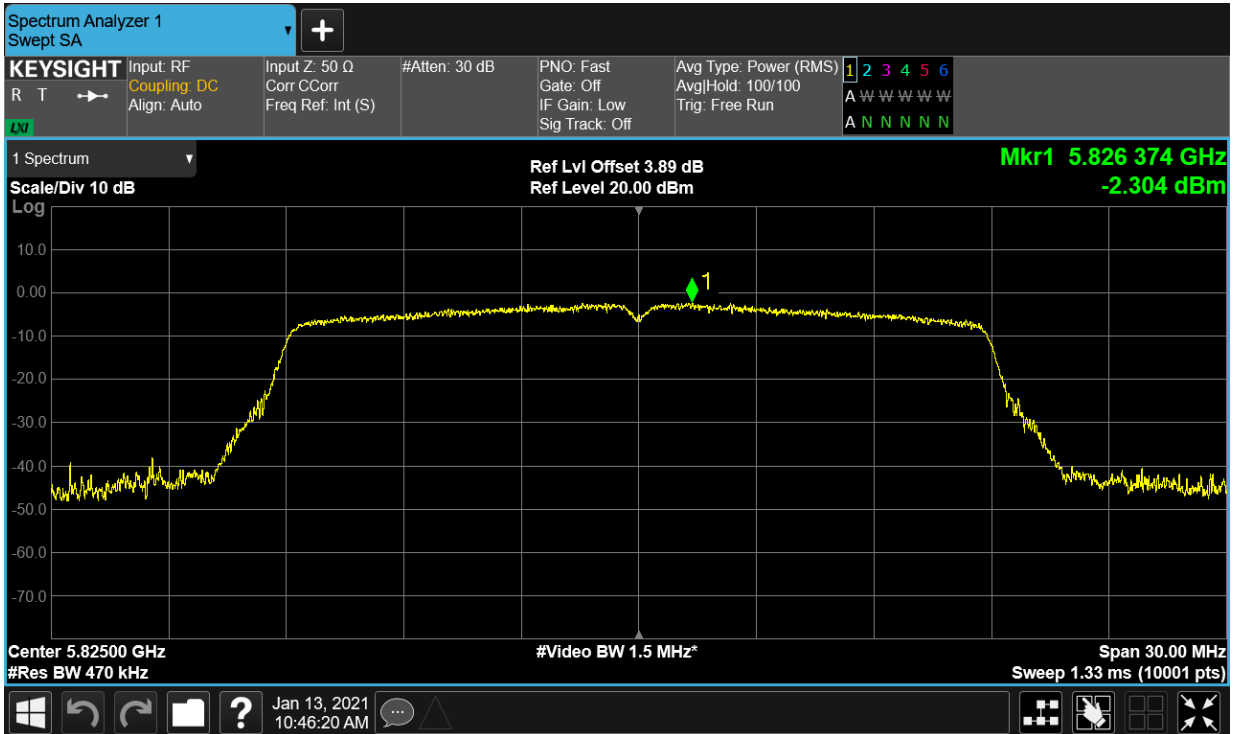
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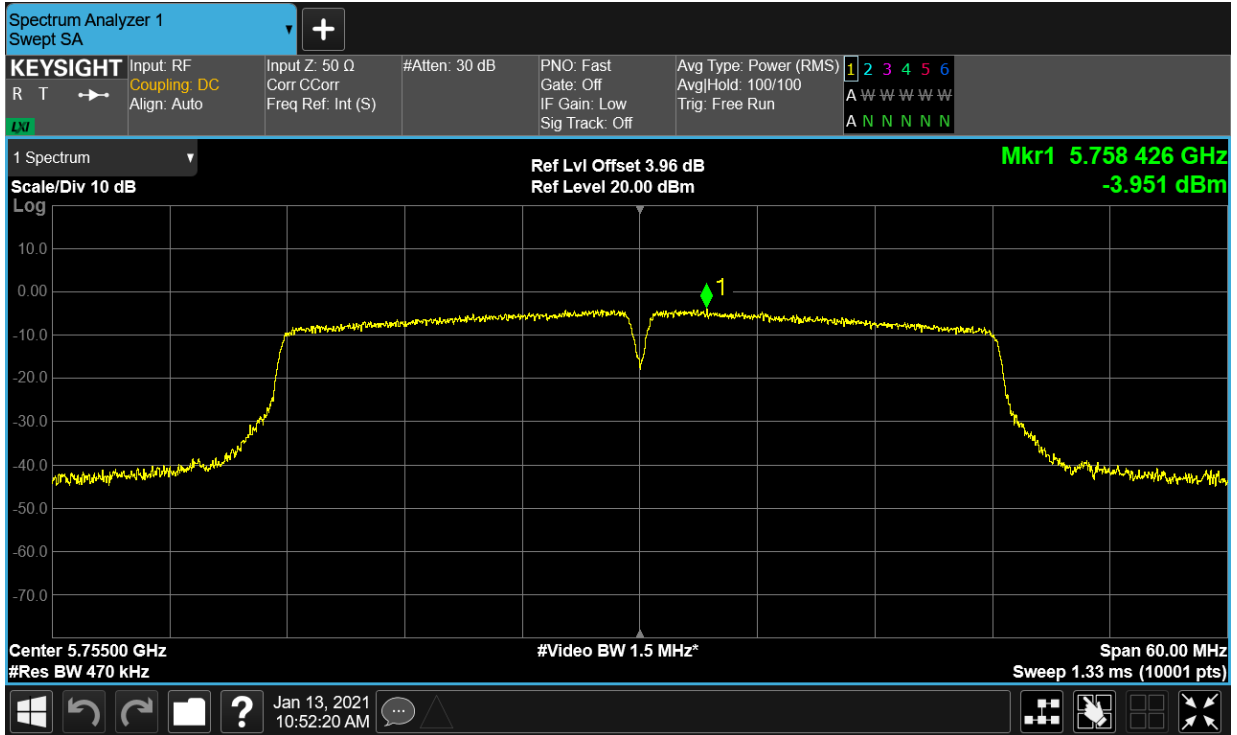
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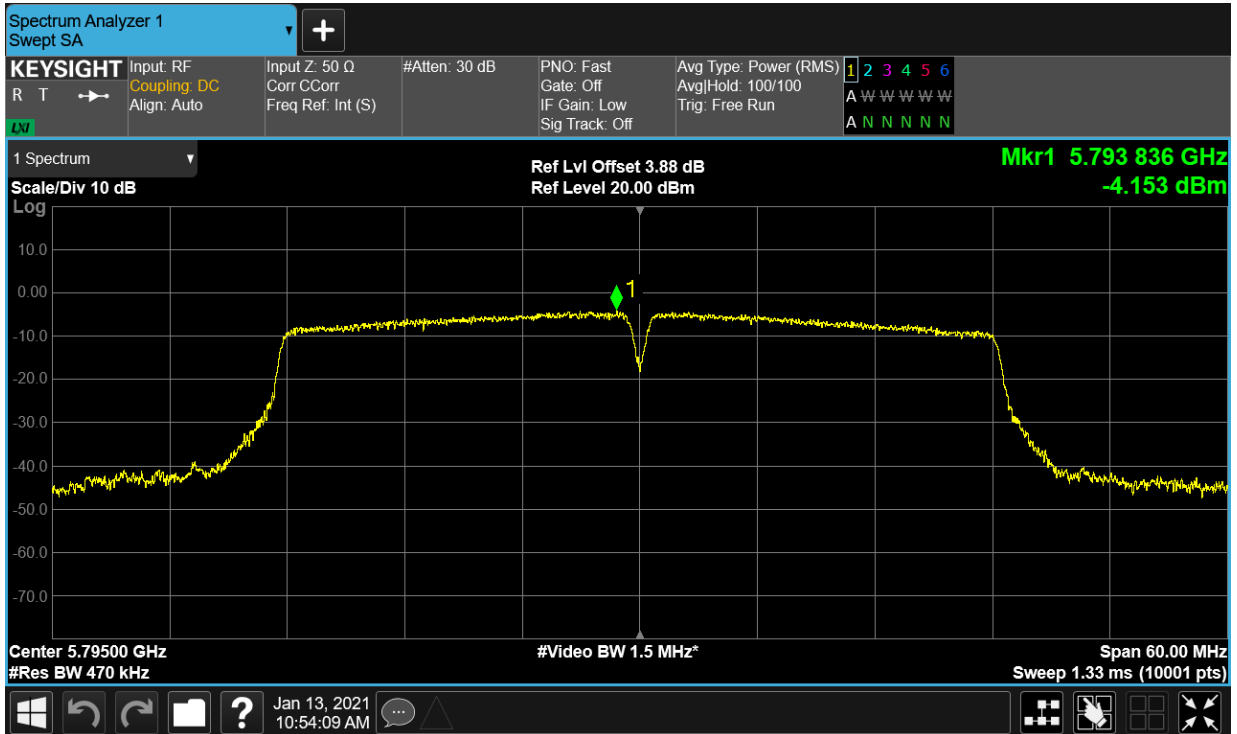
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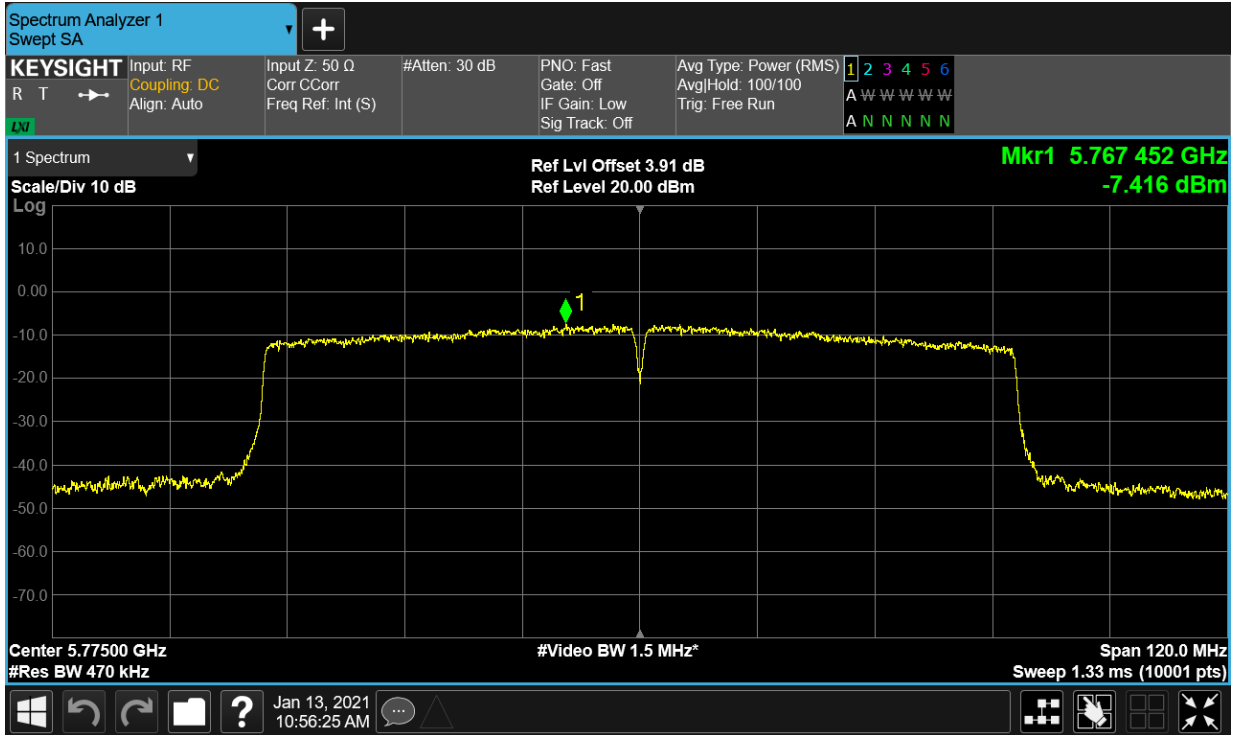
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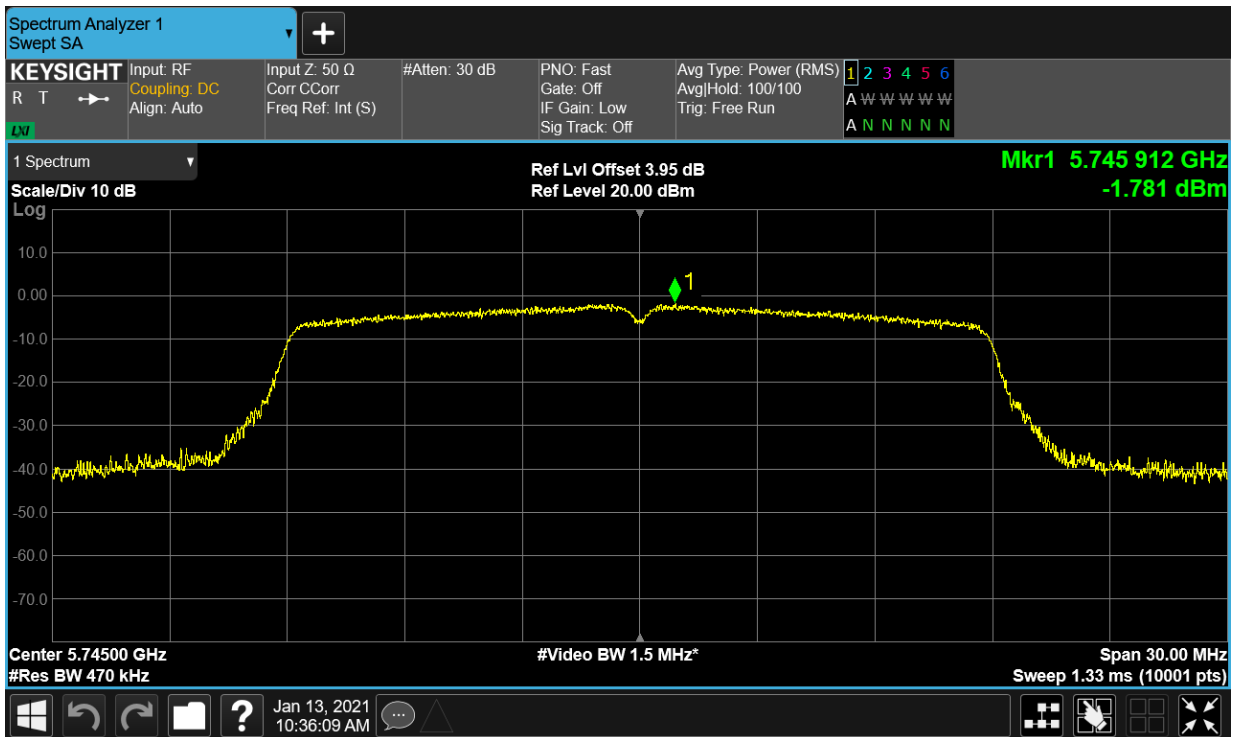
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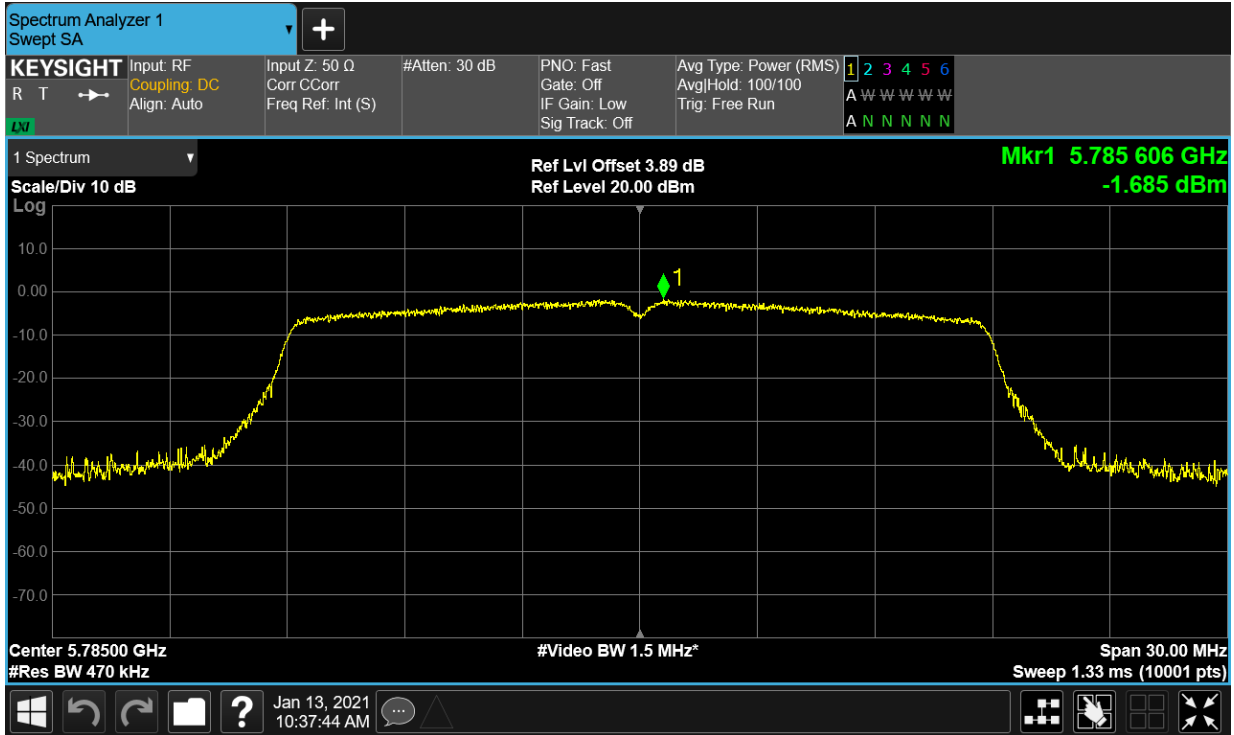
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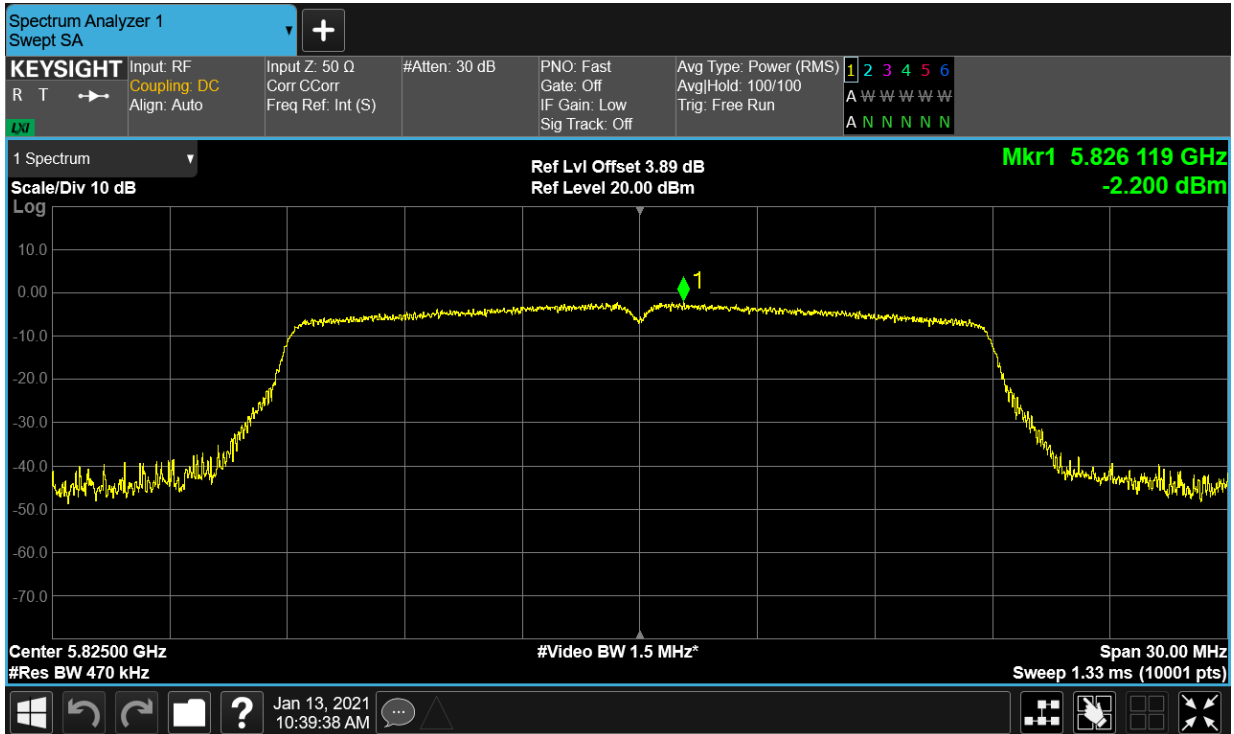
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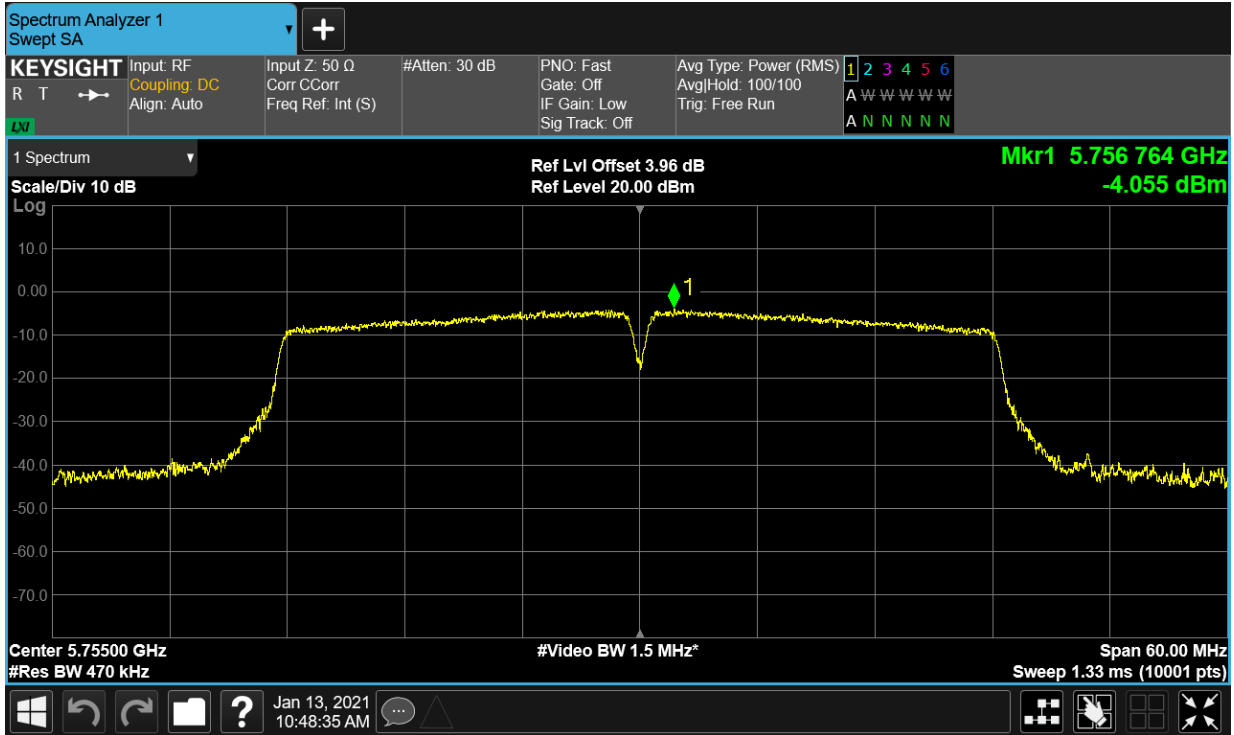
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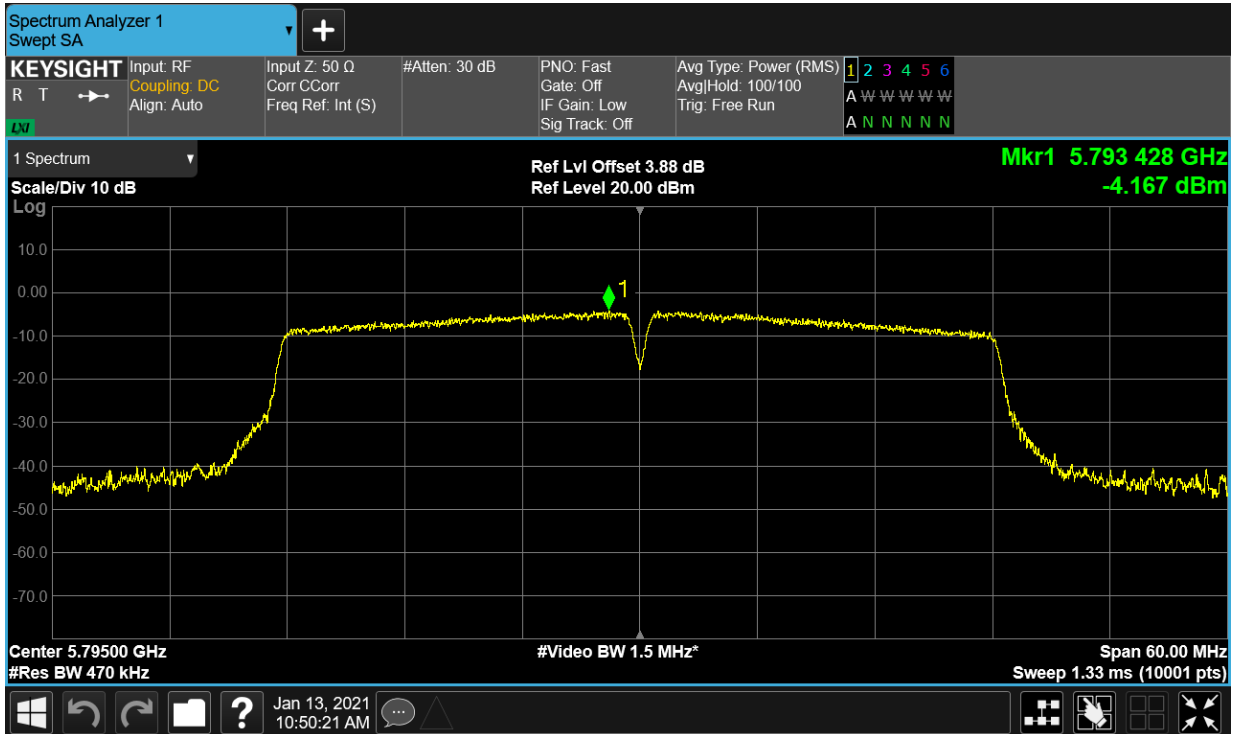
PSD NVNT n20 5825MHz Ant1



PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5795MHz Ant1



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