

## Test Data

### Frequency Stability(worst case mode)

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVHT	a	5745	Ant1	5745.0245	4.26	within the band	Pass
HVHT	a	5745	Ant2	5745.0244	4.25		Pass
HVLT	a	5745	Ant1	5745.024	4.18		Pass
HVLT	a	5745	Ant2	5745.0235	4.09		Pass
LVHT	a	5745	Ant1	5745.024	4.18		Pass
LVHT	a	5745	Ant2	5745.0245	4.26		Pass
LVLT	a	5745	Ant1	5745.024	4.18		Pass
LVLT	a	5745	Ant2	5745.024	4.18		Pass
NVNT	a	5745	Ant1	5745.0235	4.09		Pass
NVNT	a	5745	Ant2	5745.024	4.18		Pass

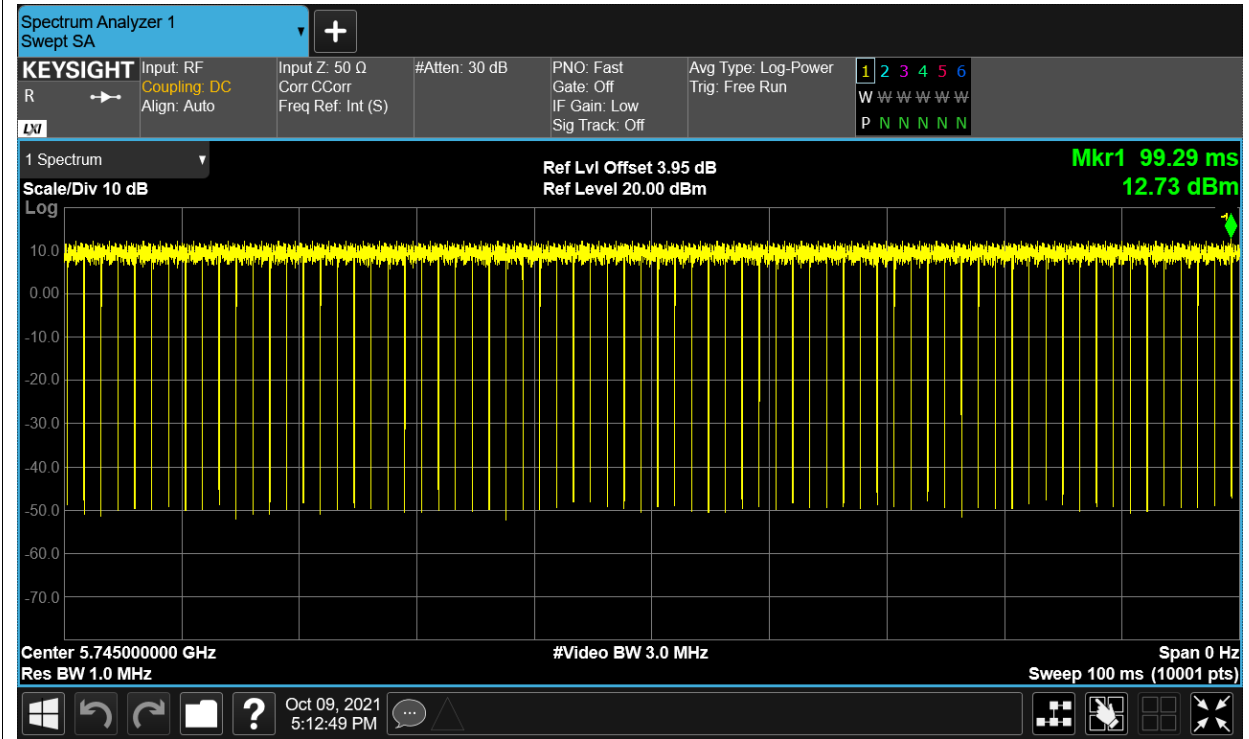
Remark: "NTNV" means Normal Temperature Normal Voltage, "LTLV" means Low Temperature Low Voltage, "LTHV" means Low Temperature High Voltage, "HTLV" means High Temperature Low Voltage, "HTHV" means High Temperature High Voltage.

## Duty Cycle

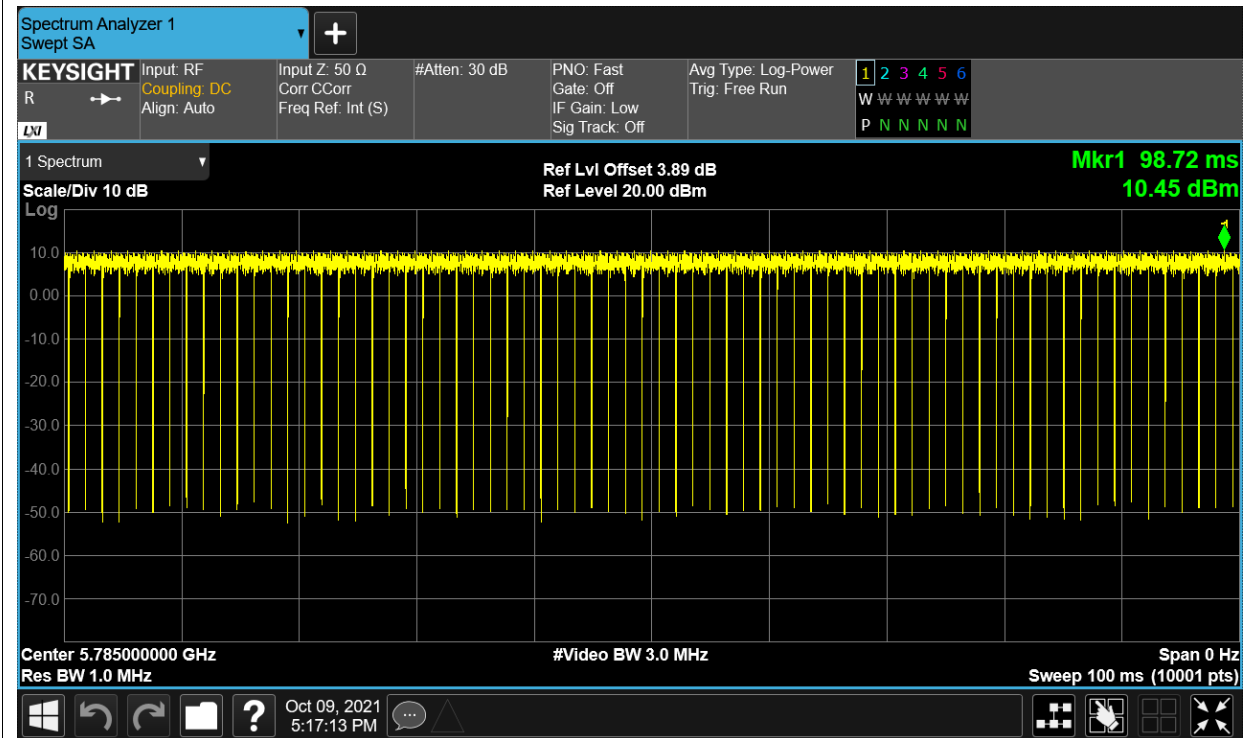
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5745	Ant1	98.18	0.08
NVNT	a	5785	Ant1	98.18	0.08
NVNT	a	5825	Ant1	98.21	0.08
NVNT	a	5745	Ant2	98.21	0.08
NVNT	a	5785	Ant2	98.2	0.08
NVNT	a	5825	Ant2	98.17	0.08
NVNT	ac20	5745	Sum	98.06	0.09
NVNT	ac20	5785	Sum	98.08	0.08
NVNT	ac20	5825	Sum	98.07	0.08
NVNT	ac40	5755	Sum	96.26	0.17
NVNT	ac40	5795	Sum	96.17	0.17
NVNT	ac80	5775	Sum	92.9	0.32
NVNT	n20	5745	Sum	98.07	0.08
NVNT	n20	5785	Sum	98.09	0.08
NVNT	n20	5825	Sum	98.08	0.08
NVNT	n40	5755	Sum	96.23	0.17
NVNT	n40	5795	Sum	96.23	0.17

Test Graphs

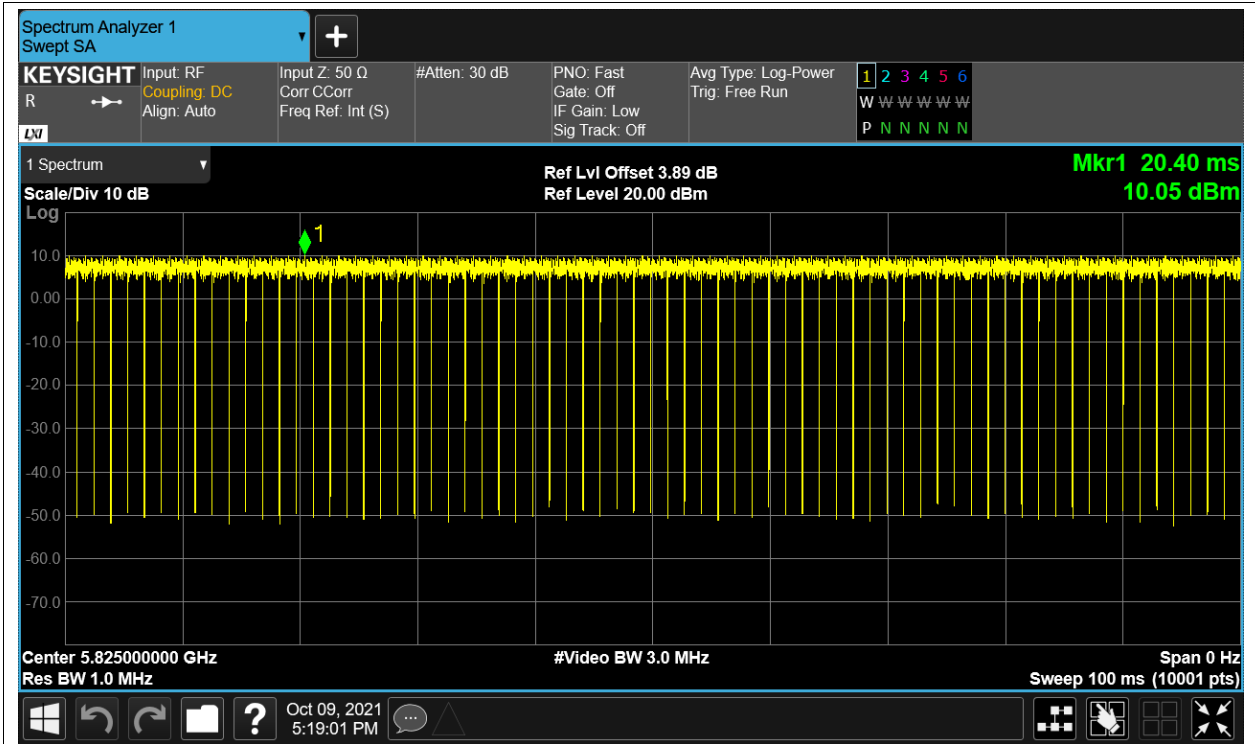
Duty Cycle NVNT a 5745MHz Ant1



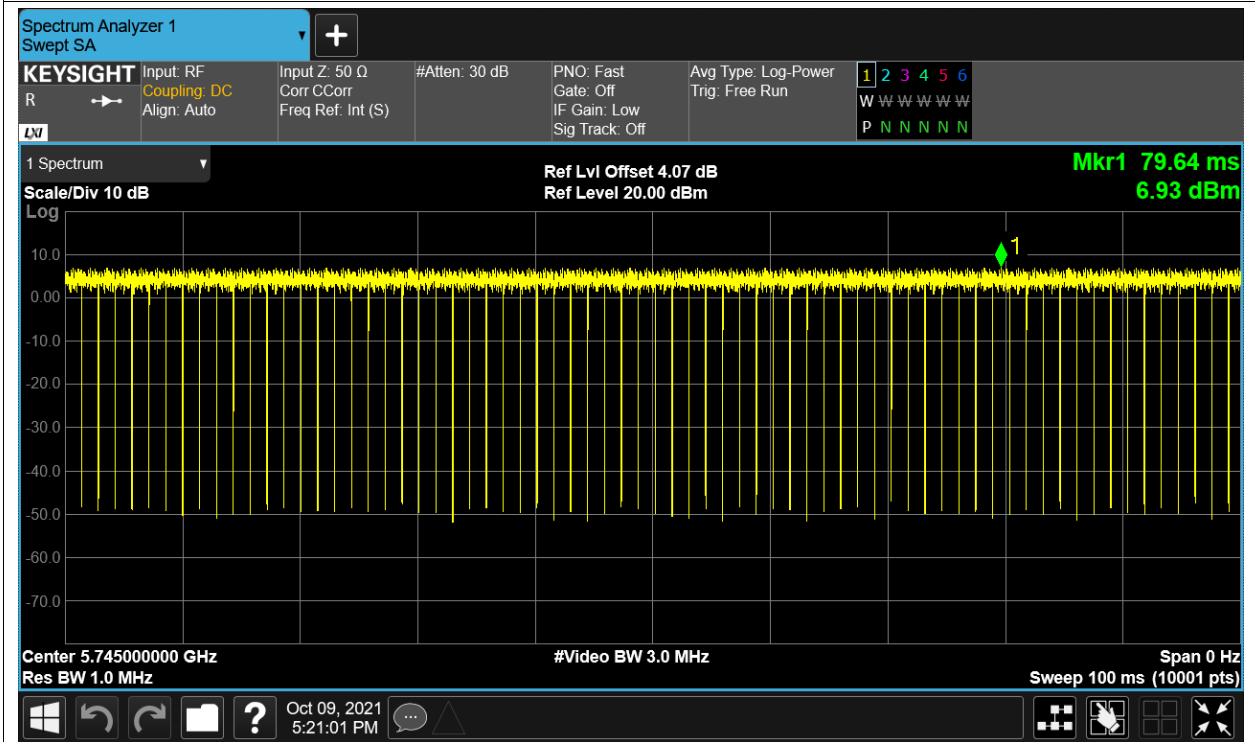
Duty Cycle NVNT a 5785MHz Ant1



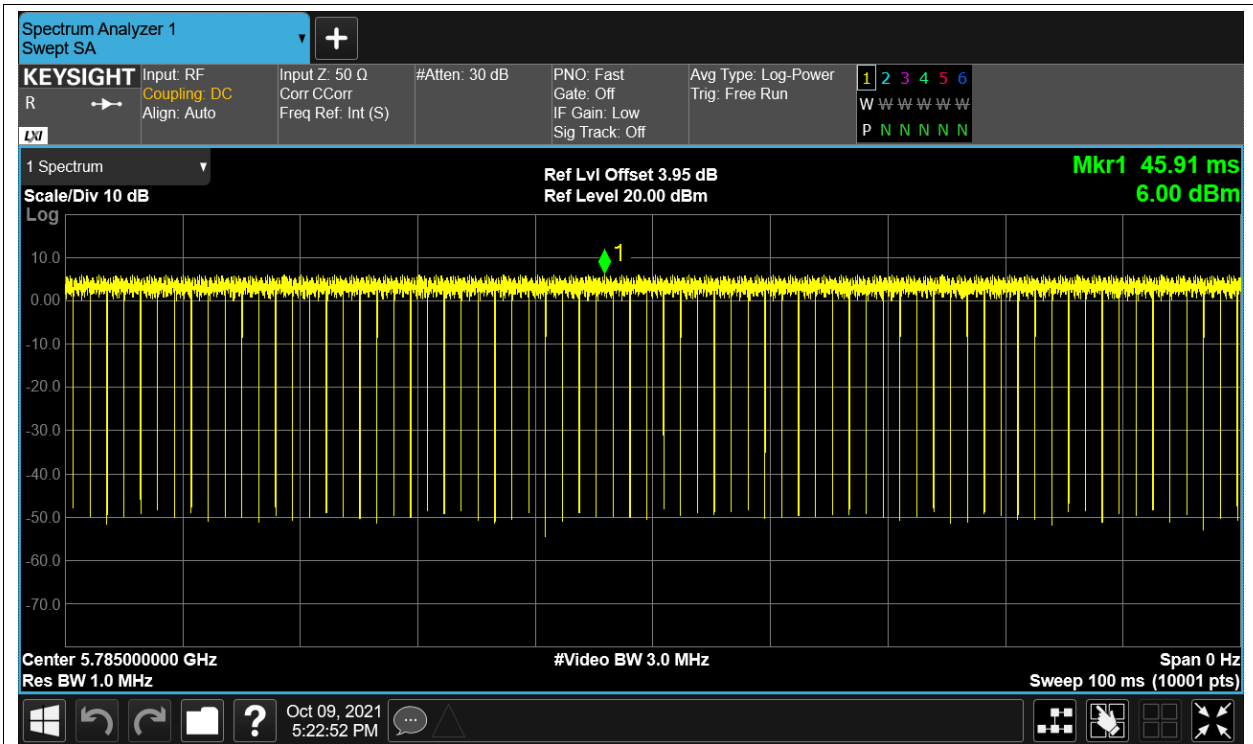
Duty Cycle NVNT a 5825MHz Ant1



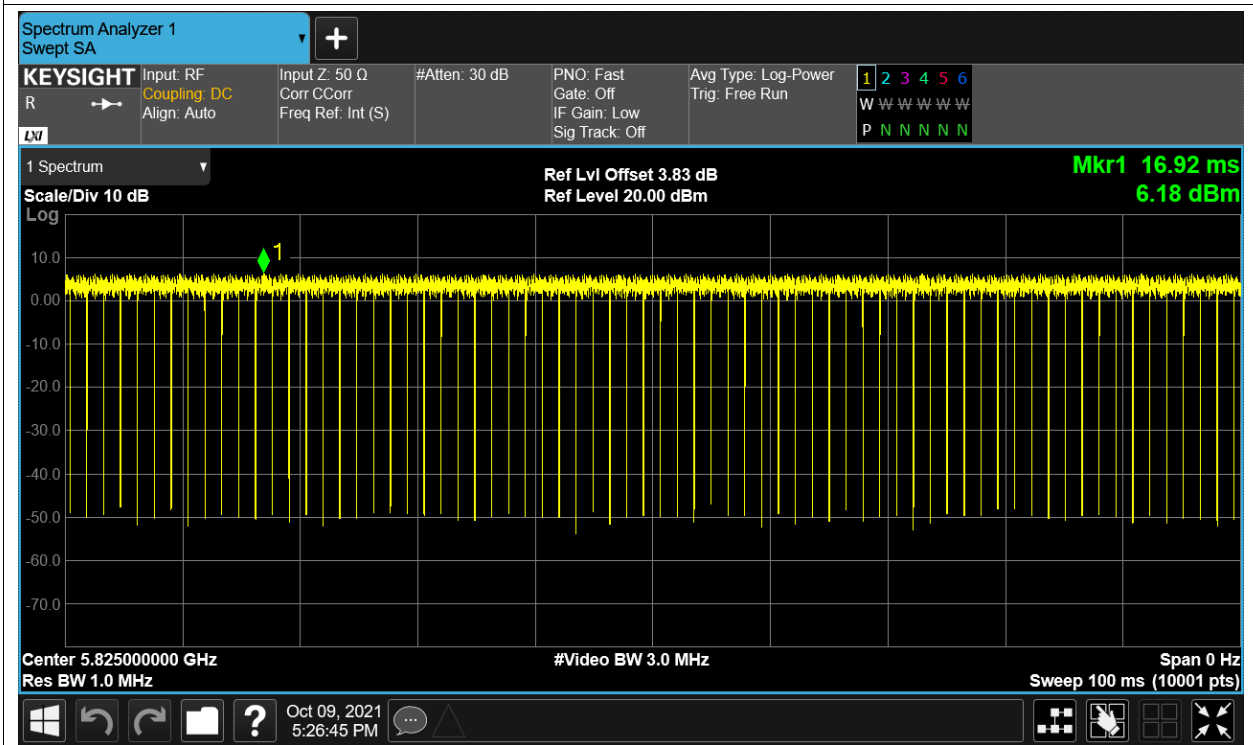
Duty Cycle NVNT a 5745MHz Ant2



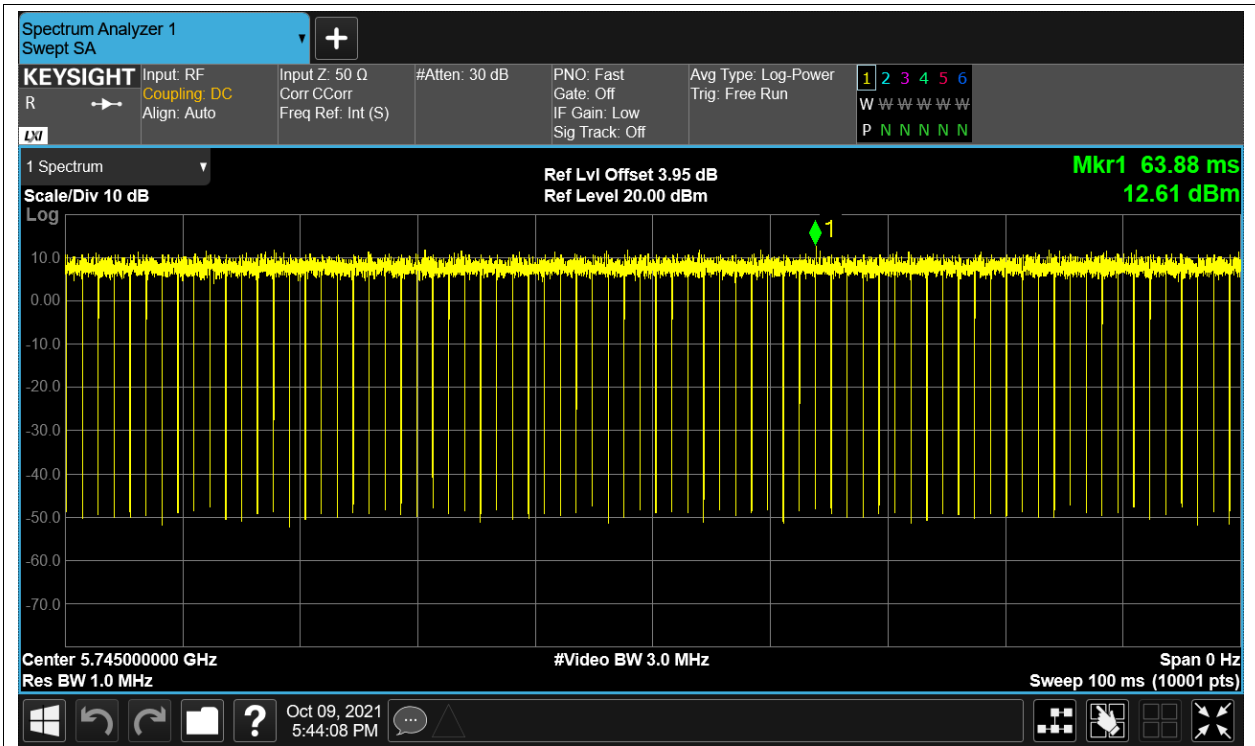
Duty Cycle NVNT a 5785MHz Ant2



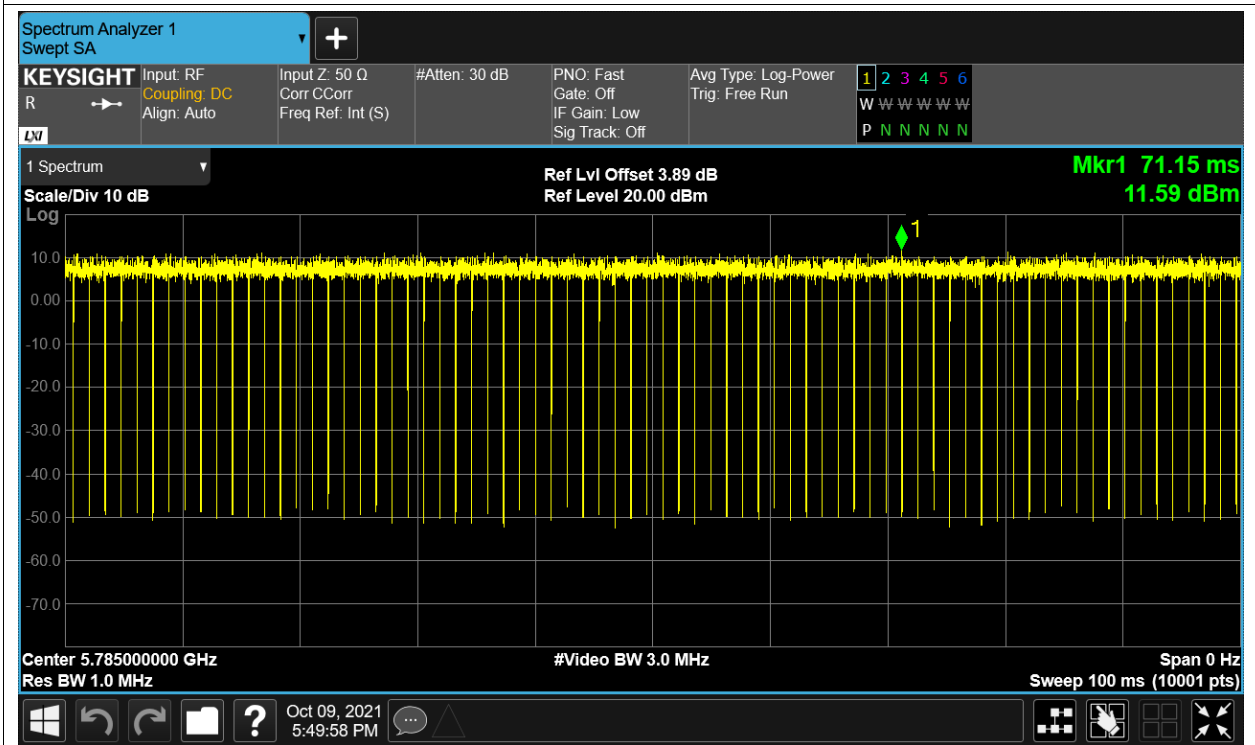
Duty Cycle NVNT a 5825MHz Ant2



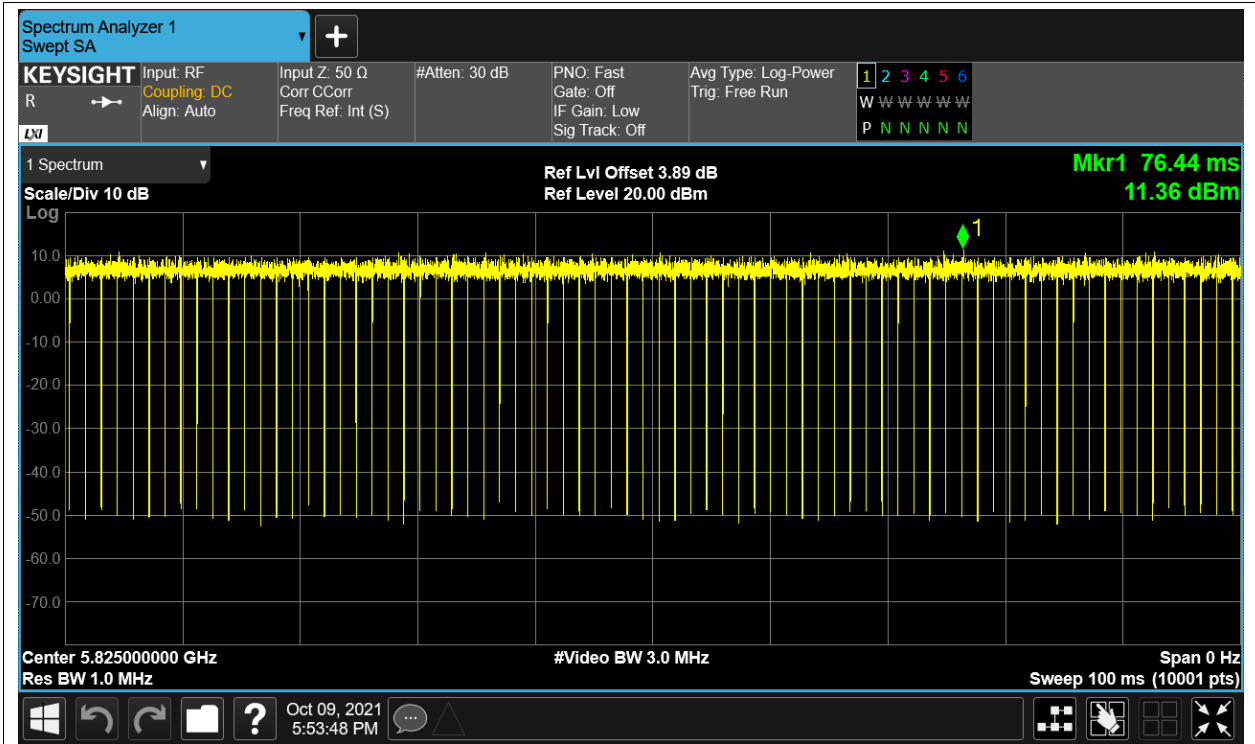
Duty Cycle NVNT ac20 5745MHz Sum



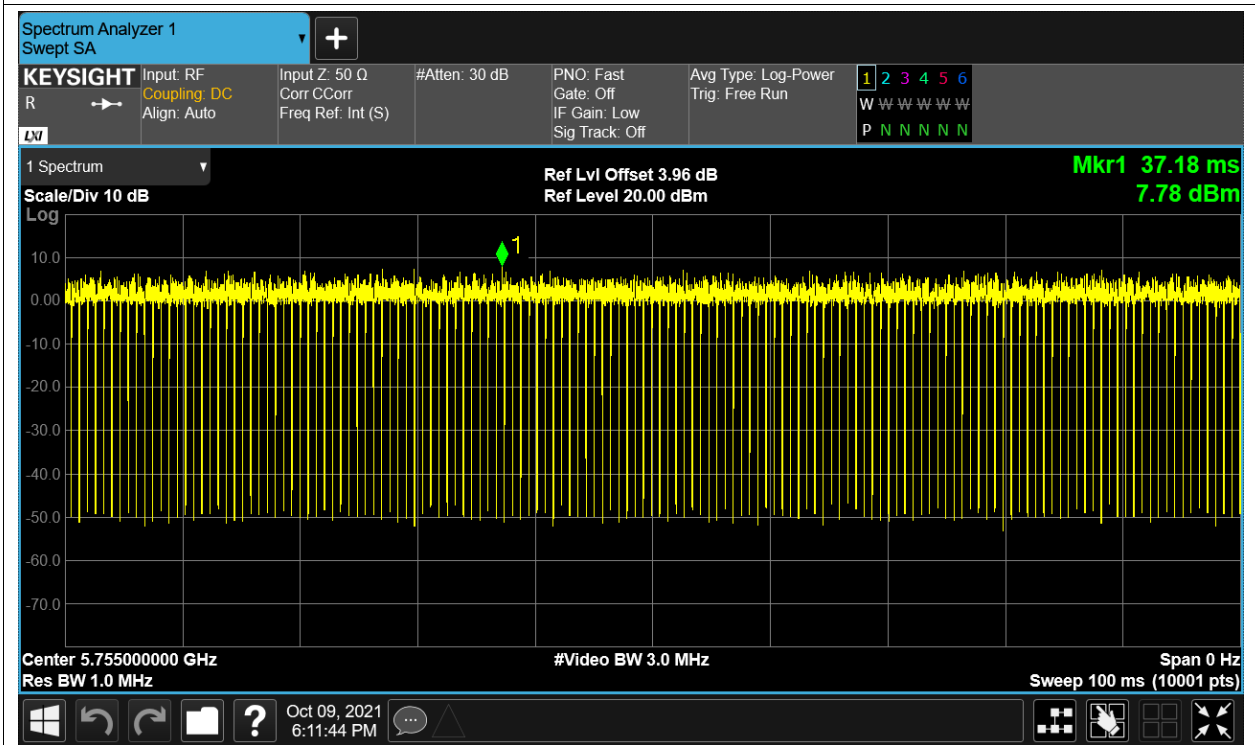
Duty Cycle NVNT ac20 5785MHz Sum



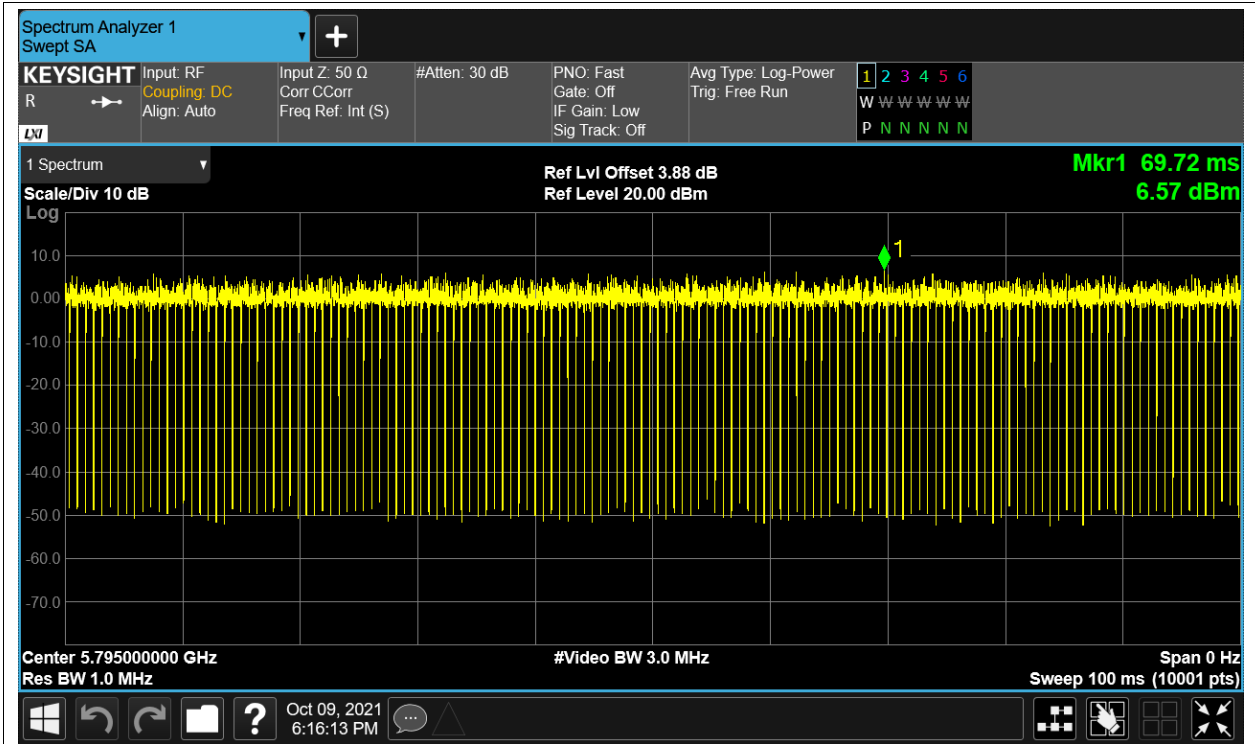
Duty Cycle NVNT ac20 5825MHz Sum



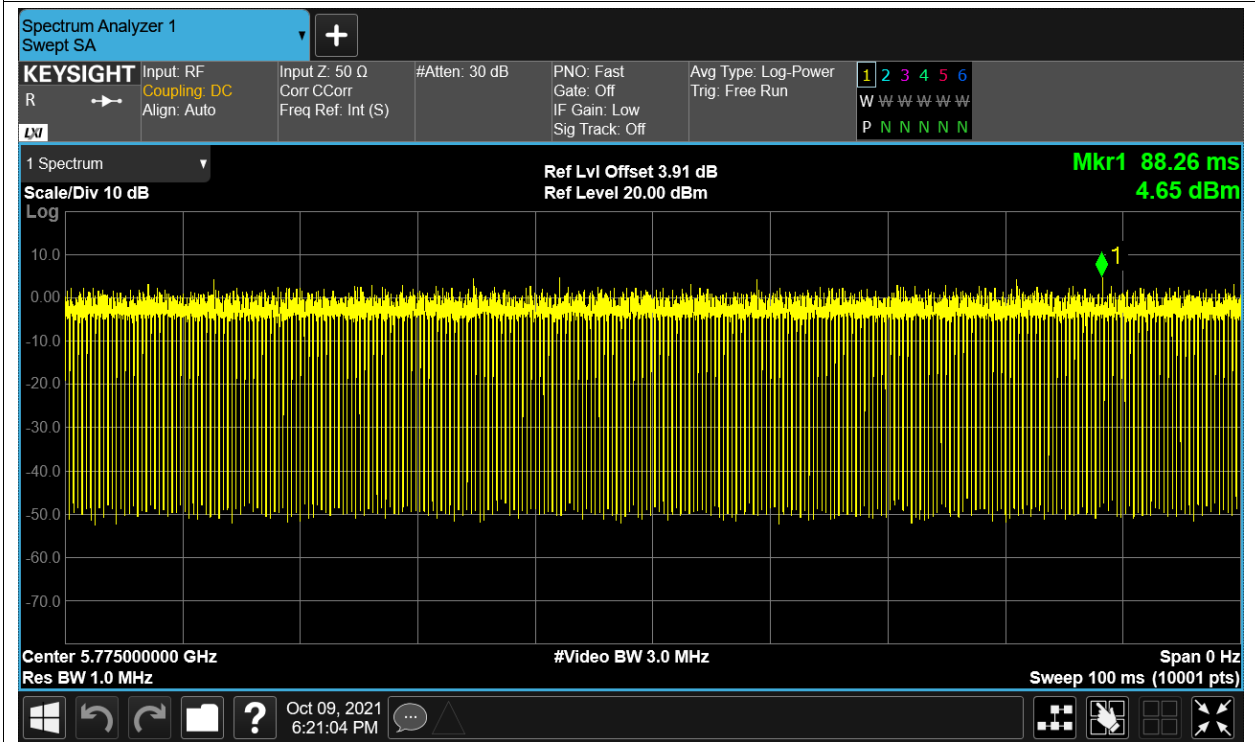
Duty Cycle NVNT ac40 5755MHz Sum



Duty Cycle NVNT ac40 5795MHz Sum

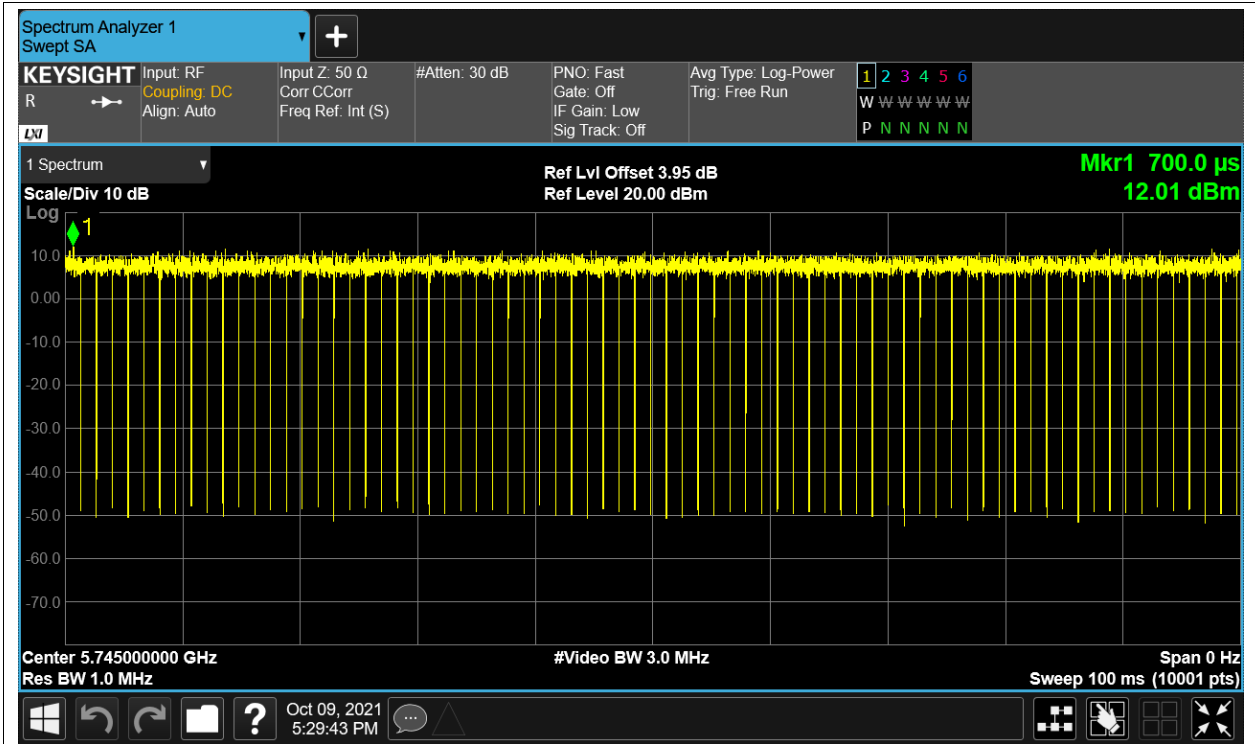


Duty Cycle NVNT ac80 5775MHz Sum

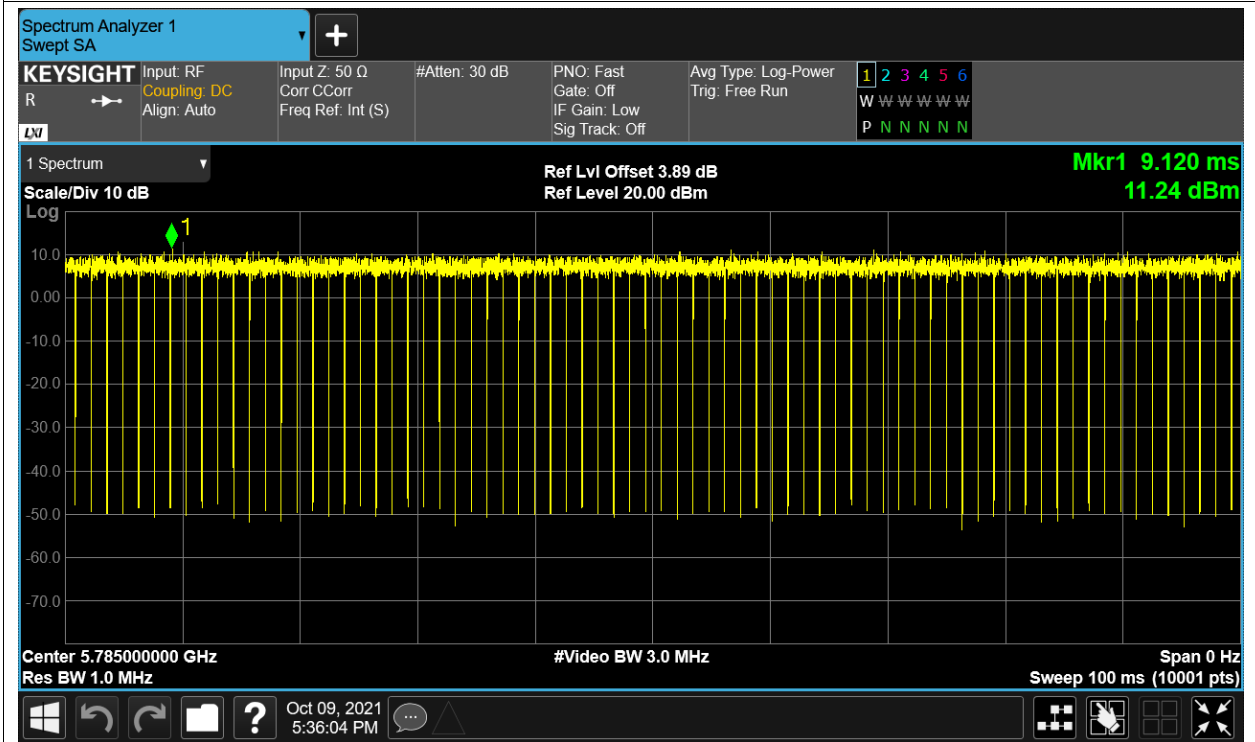


Duty Cycle NVNT n20 5745MHz Sum

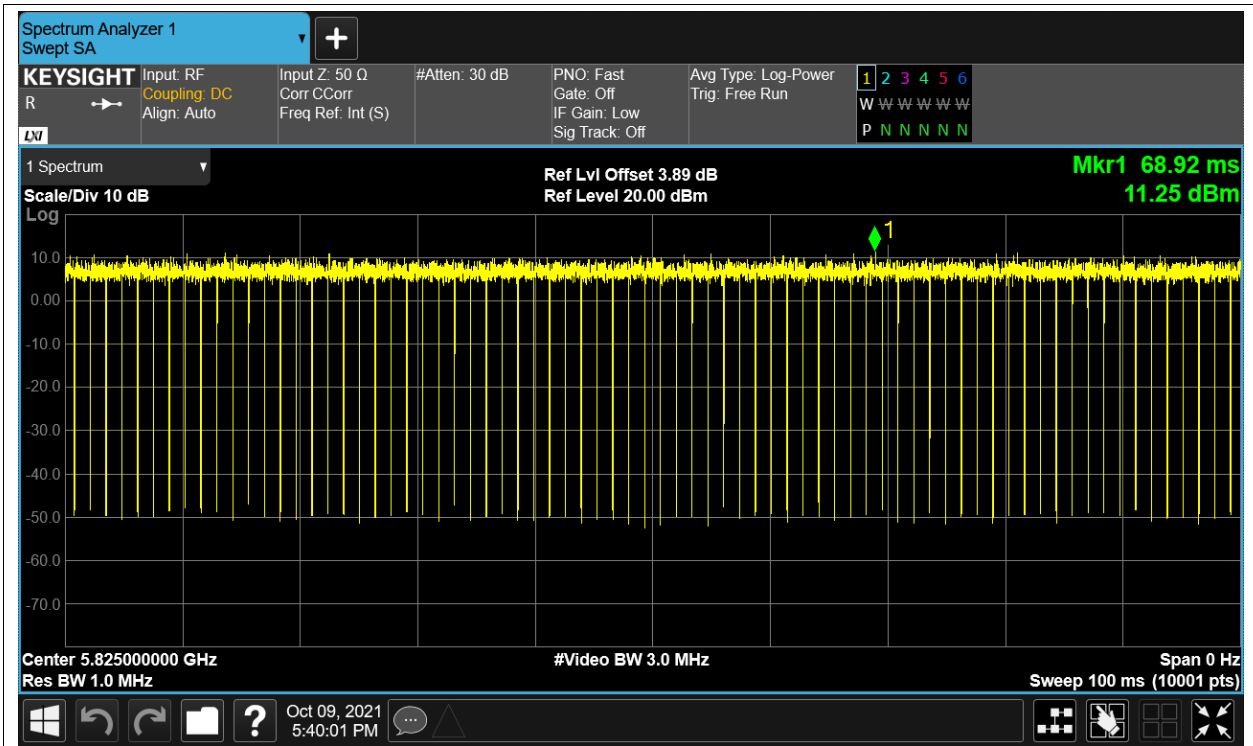




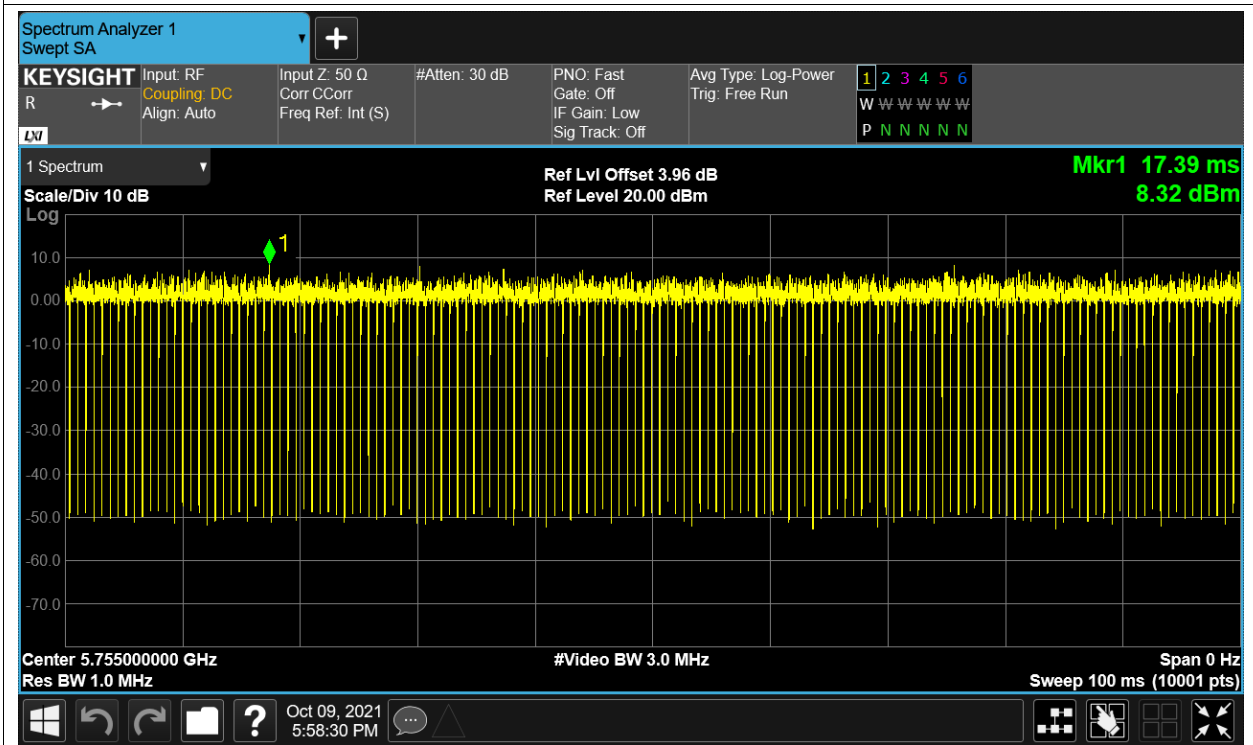
Duty Cycle NVNT n20 5785MHz Sum



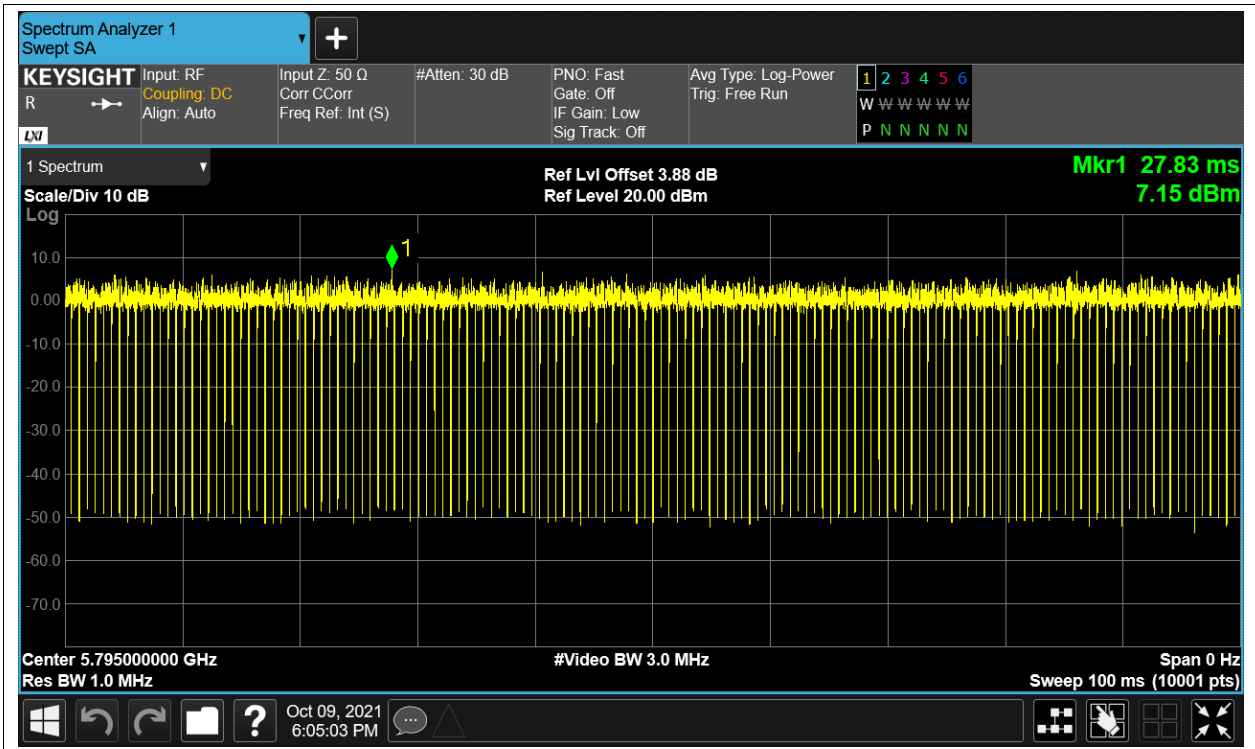
Duty Cycle NVNT n20 5825MHz Sum



Duty Cycle NVNT n40 5755MHz Sum



Duty Cycle NVNT n40 5795MHz Sum



## 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	15.79	0.08	15.87	30	Pass
NVNT	a	5785	Ant1	16.31	0.08	16.39	30	Pass
NVNT	a	5825	Ant1	15.61	0.08	15.69	30	Pass
NVNT	a	5745	Ant2	12.27	0.08	12.35	30	Pass
NVNT	a	5785	Ant2	10.74	0.08	10.82	30	Pass
NVNT	a	5825	Ant2	12.81	0.08	12.89	30	Pass
NVNT	ac20	5745	Ant1	15.7	0.09	15.79	30	Pass
NVNT	ac20	5745	Ant2	12.33	0.09	12.42	30	Pass
NVNT	ac20	5745	Sum	17.344	0.09	17.434	30	Pass
NVNT	ac20	5785	Ant1	16.01	0.08	16.09	30	Pass
NVNT	ac20	5785	Ant2	11.13	0.08	11.21	30	Pass
NVNT	ac20	5785	Sum	17.232	0.08	17.312	30	Pass
NVNT	ac20	5825	Ant1	15.12	0.08	15.2	30	Pass
NVNT	ac20	5825	Ant2	12.69	0.08	12.77	30	Pass
NVNT	ac20	5825	Sum	17.083	0.08	17.163	30	Pass
NVNT	ac40	5755	Ant1	16.08	0.17	16.25	30	Pass
NVNT	ac40	5755	Ant2	12.6	0.17	12.77	30	Pass
NVNT	ac40	5755	Sum	17.69	0.17	17.86	30	Pass
NVNT	ac40	5795	Ant1	15.54	0.17	15.71	30	Pass
NVNT	ac40	5795	Ant2	11.56	0.17	11.73	30	Pass
NVNT	ac40	5795	Sum	17.001	0.17	17.171	30	Pass
NVNT	ac80	5775	Ant1	15.56	0.32	15.88	30	Pass
NVNT	ac80	5775	Ant2	12.13	0.32	12.45	30	Pass
NVNT	ac80	5775	Sum	17.185	0.32	17.505	30	Pass
NVNT	n20	5745	Ant1	15.64	0.08	15.72	30	Pass
NVNT	n20	5745	Ant2	12.48	0.08	12.56	30	Pass
NVNT	n20	5745	Sum	17.352	0.08	17.432	30	Pass
NVNT	n20	5785	Ant1	16.12	0.08	16.2	30	Pass
NVNT	n20	5785	Ant2	13.21	0.08	13.29	30	Pass
NVNT	n20	5785	Sum	17.915	0.08	17.995	30	Pass
NVNT	n20	5825	Ant1	15.32	0.08	15.4	30	Pass
NVNT	n20	5825	Ant2	12.71	0.08	12.79	30	Pass
NVNT	n20	5825	Sum	17.218	0.08	17.298	30	Pass
NVNT	n40	5755	Ant1	16.2	0.17	16.37	30	Pass
NVNT	n40	5755	Ant2	12.43	0.17	12.6	30	Pass
NVNT	n40	5755	Sum	17.722	0.17	17.892	30	Pass
NVNT	n40	5795	Ant1	15.65	0.17	15.82	30	Pass
NVNT	n40	5795	Ant2	11.59	0.17	11.76	30	Pass

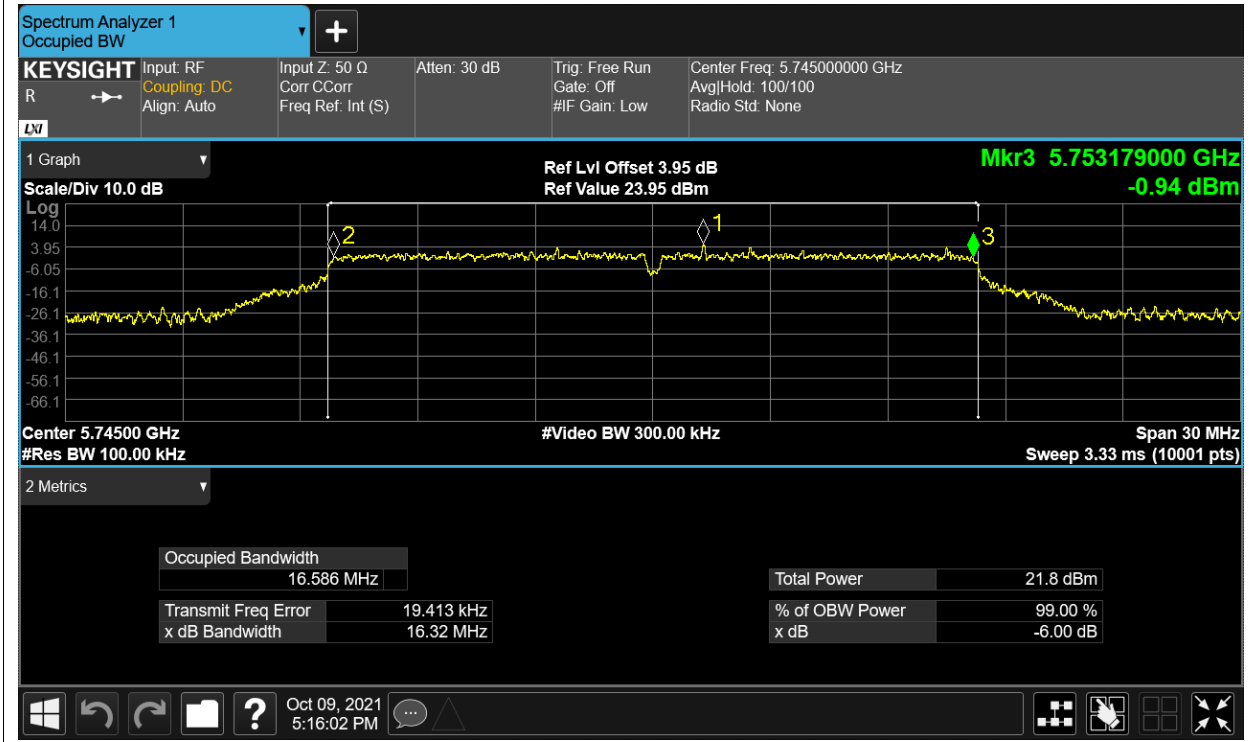
NVNT	n40	5795	Sum	17.088	0.17	17.258	30	Pass
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## -6dB Bandwidth

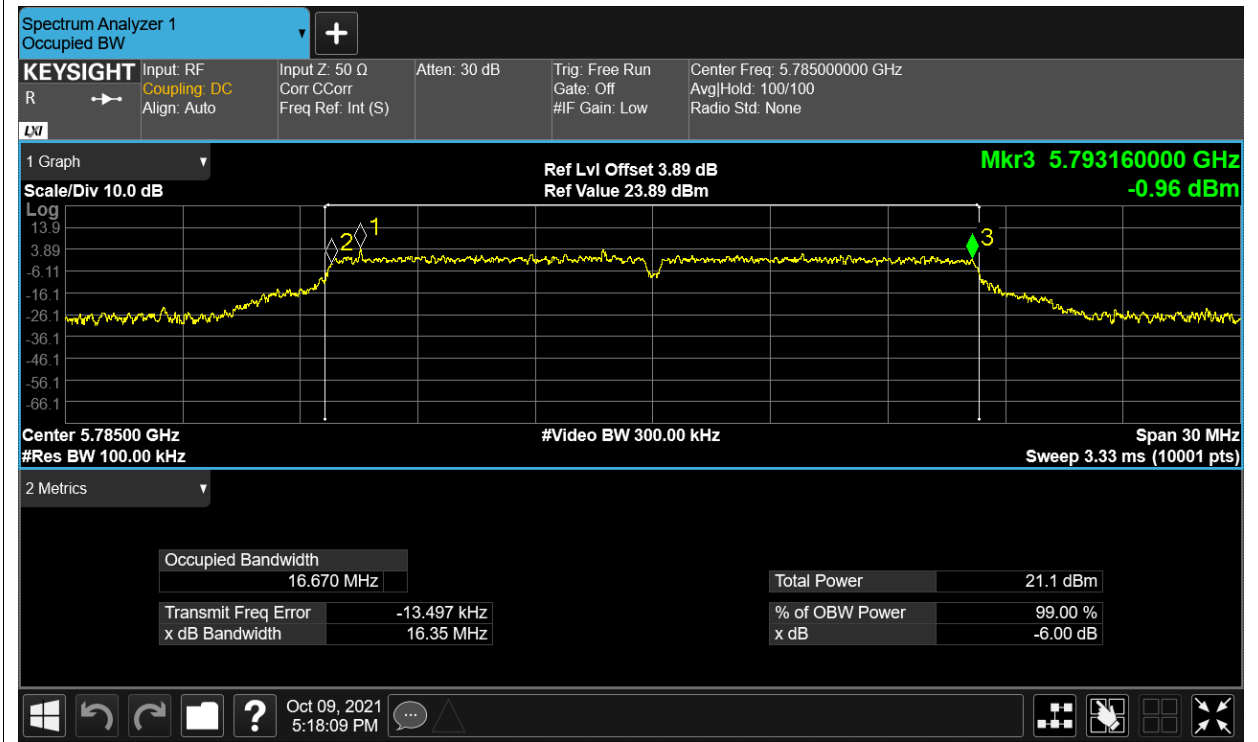
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.319	0.5	Pass
NVNT	a	5785	Ant1	16.347	0.5	Pass
NVNT	a	5825	Ant1	16.318	0.5	Pass
NVNT	a	5745	Ant2	16.316	0.5	Pass
NVNT	a	5785	Ant2	16.336	0.5	Pass
NVNT	a	5825	Ant2	16.342	0.5	Pass
NVNT	ac20	5745	Ant1	17.578	0.5	Pass
NVNT	ac20	5745	Ant2	17.576	0.5	Pass
NVNT	ac20	5785	Ant1	17.577	0.5	Pass
NVNT	ac20	5785	Ant2	17.585	0.5	Pass
NVNT	ac20	5825	Ant1	17.561	0.5	Pass
NVNT	ac20	5825	Ant2	17.567	0.5	Pass
NVNT	ac40	5755	Ant1	36.329	0.5	Pass
NVNT	ac40	5755	Ant2	36.32	0.5	Pass
NVNT	ac40	5795	Ant1	36.319	0.5	Pass
NVNT	ac40	5795	Ant2	36.081	0.5	Pass
NVNT	ac80	5775	Ant1	75.493	0.5	Pass
NVNT	ac80	5775	Ant2	75.715	0.5	Pass
NVNT	n20	5745	Ant1	17.562	0.5	Pass
NVNT	n20	5745	Ant2	17.381	0.5	Pass
NVNT	n20	5785	Ant1	17.563	0.5	Pass
NVNT	n20	5785	Ant2	17.556	0.5	Pass
NVNT	n20	5825	Ant1	17.564	0.5	Pass
NVNT	n20	5825	Ant2	17.627	0.5	Pass
NVNT	n40	5755	Ant1	36.308	0.5	Pass
NVNT	n40	5755	Ant2	35.909	0.5	Pass
NVNT	n40	5795	Ant1	36.309	0.5	Pass
NVNT	n40	5795	Ant2	36.333	0.5	Pass

Test Graphs

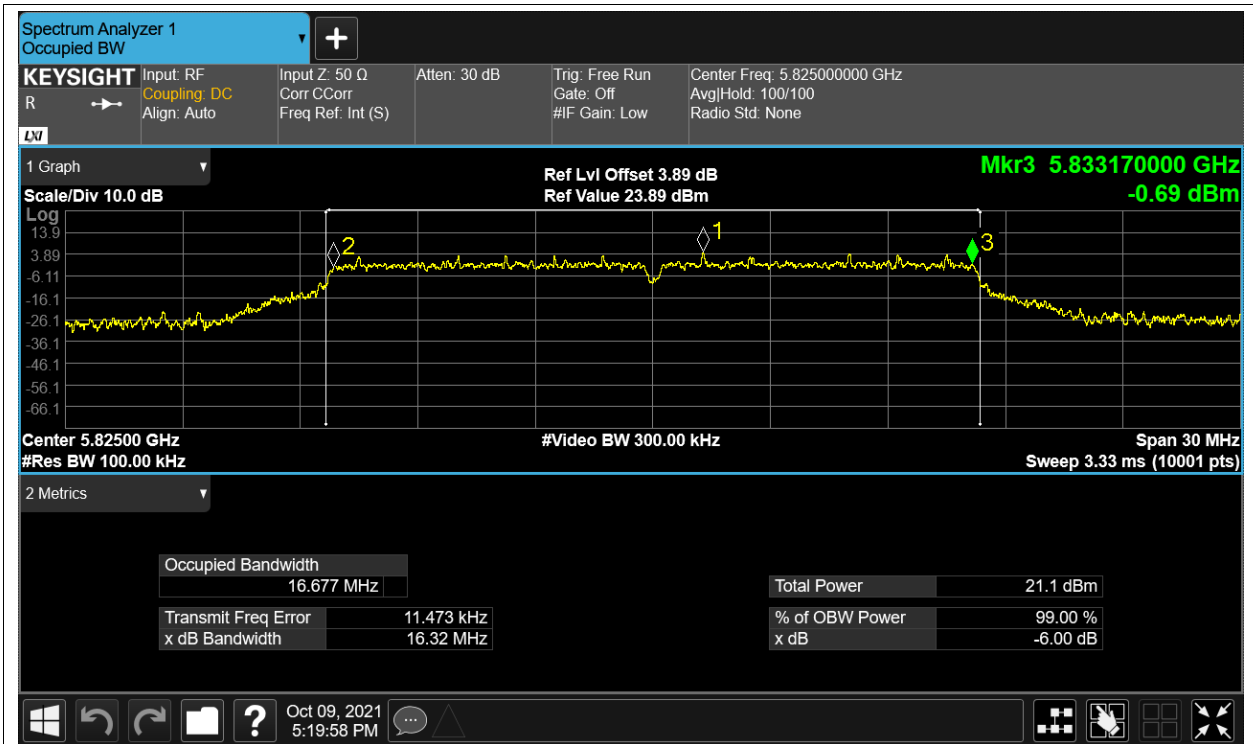
-6dB Bandwidth NVNT a 5745MHz Ant1



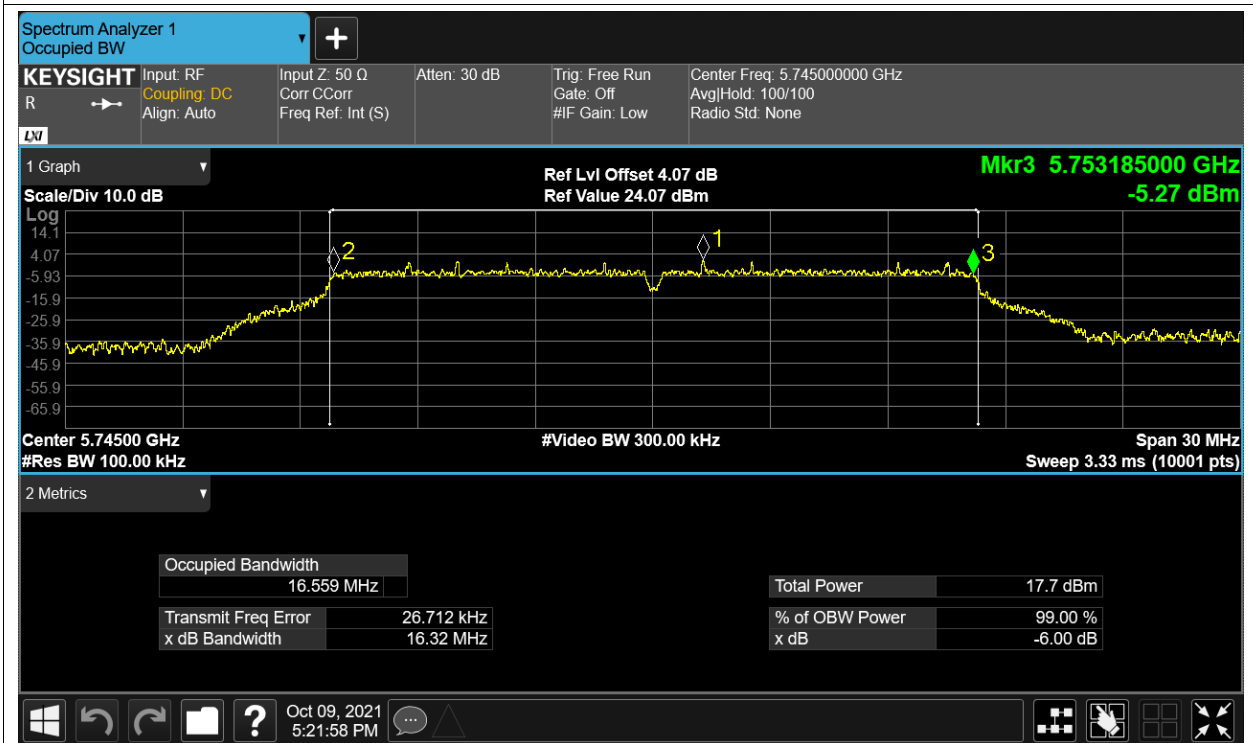
-6dB Bandwidth NVNT a 5785MHz Ant1



-6dB Bandwidth NVNT a 5825MHz Ant1

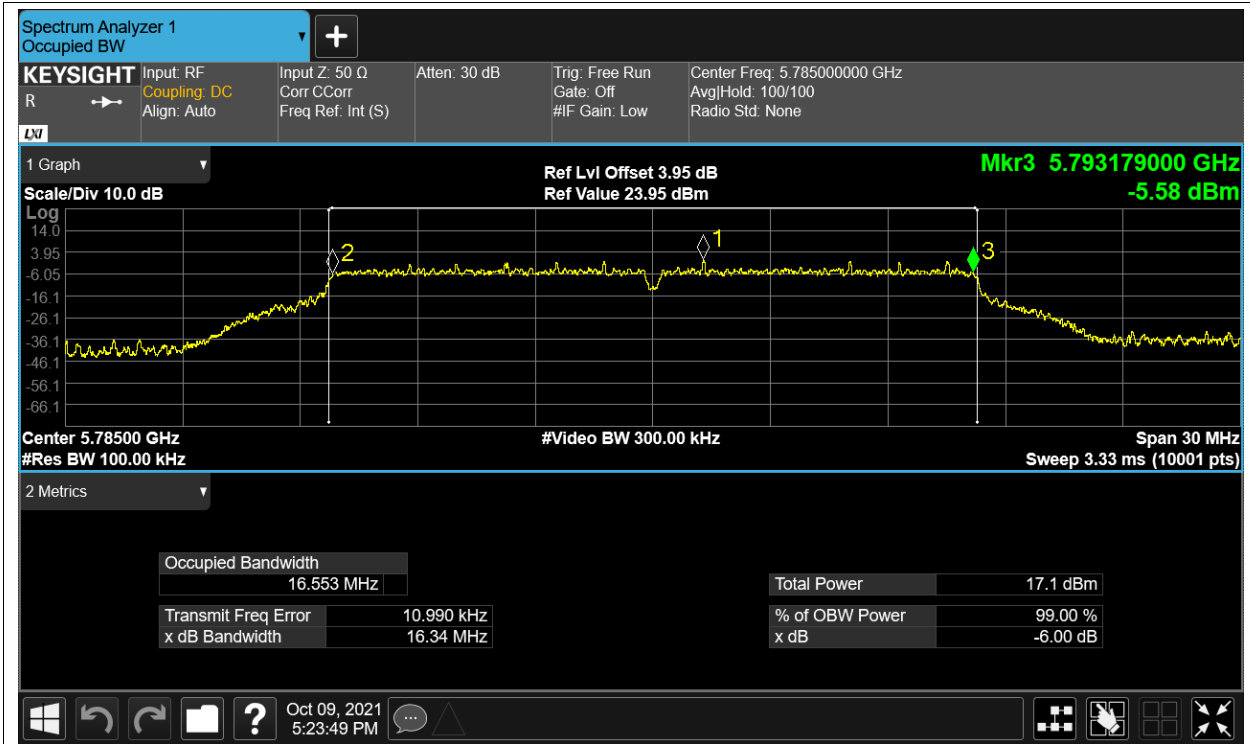


-6dB Bandwidth NVNT a 5745MHz Ant2

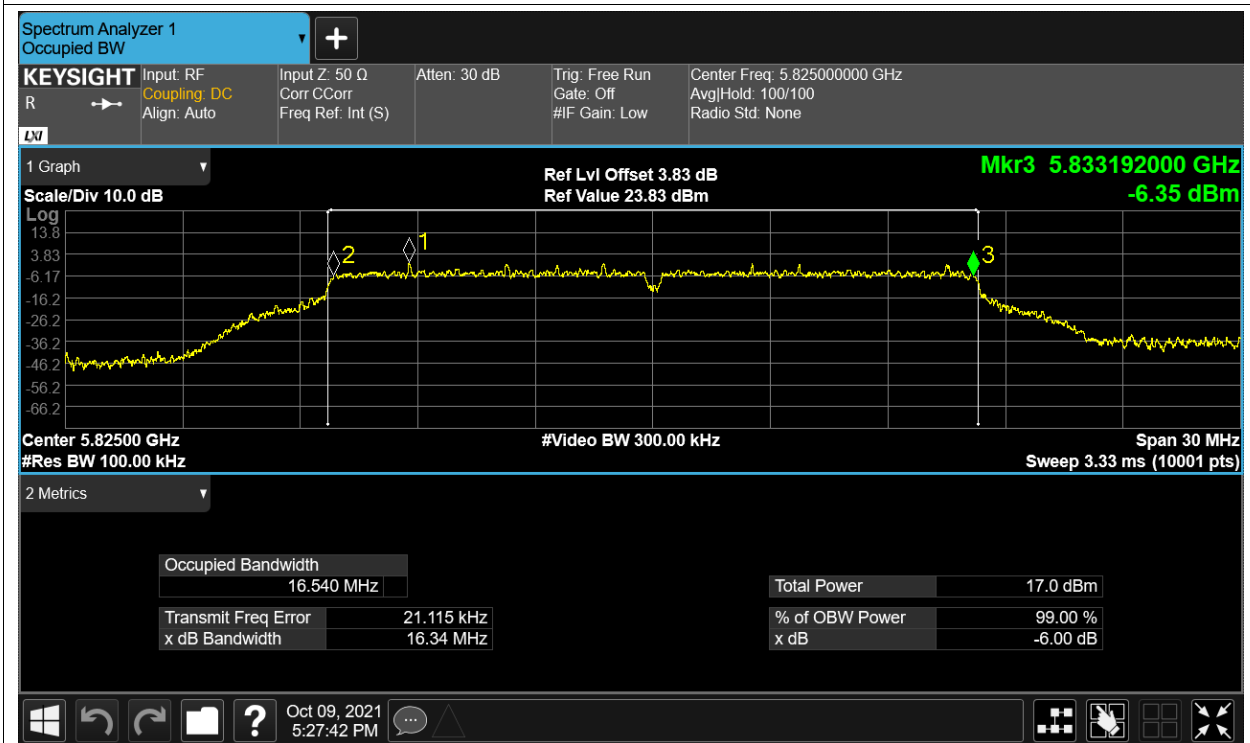


-6dB Bandwidth NVNT a 5785MHz Ant2

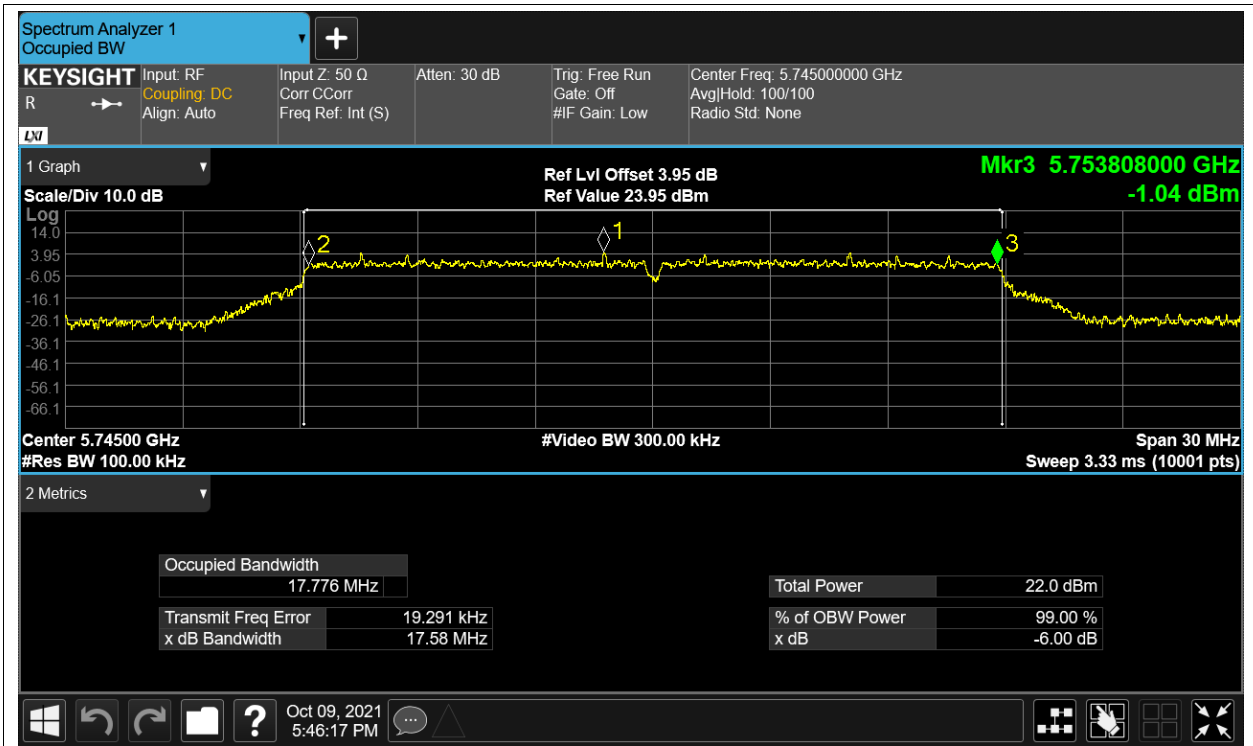




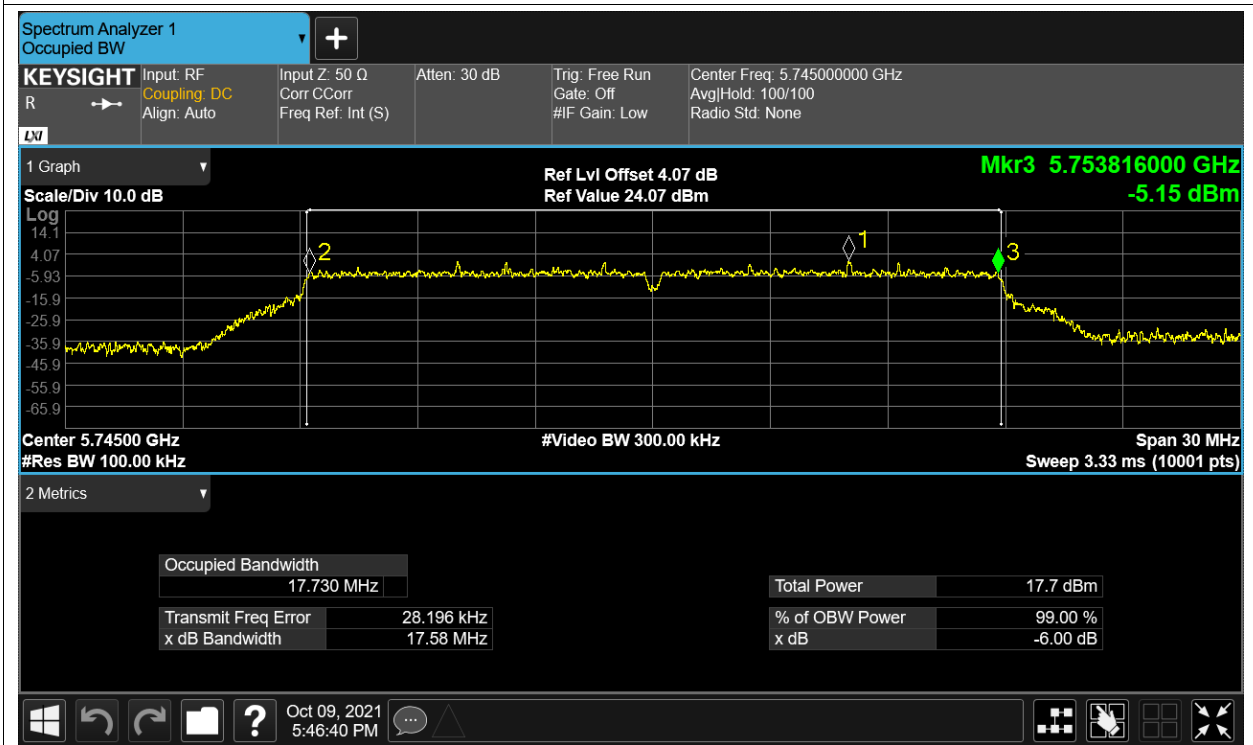
-6dB Bandwidth NVNT a 5825MHz Ant2



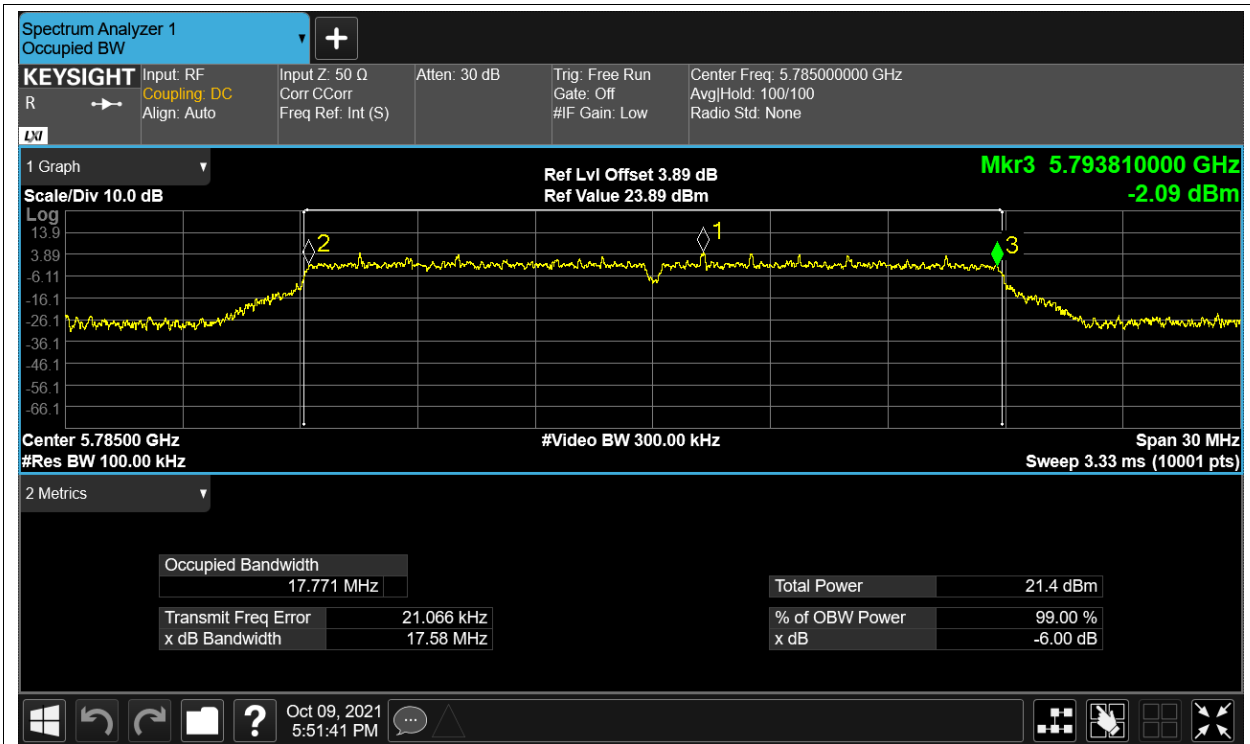
-6dB Bandwidth NVNT ac20 5745MHz Ant1



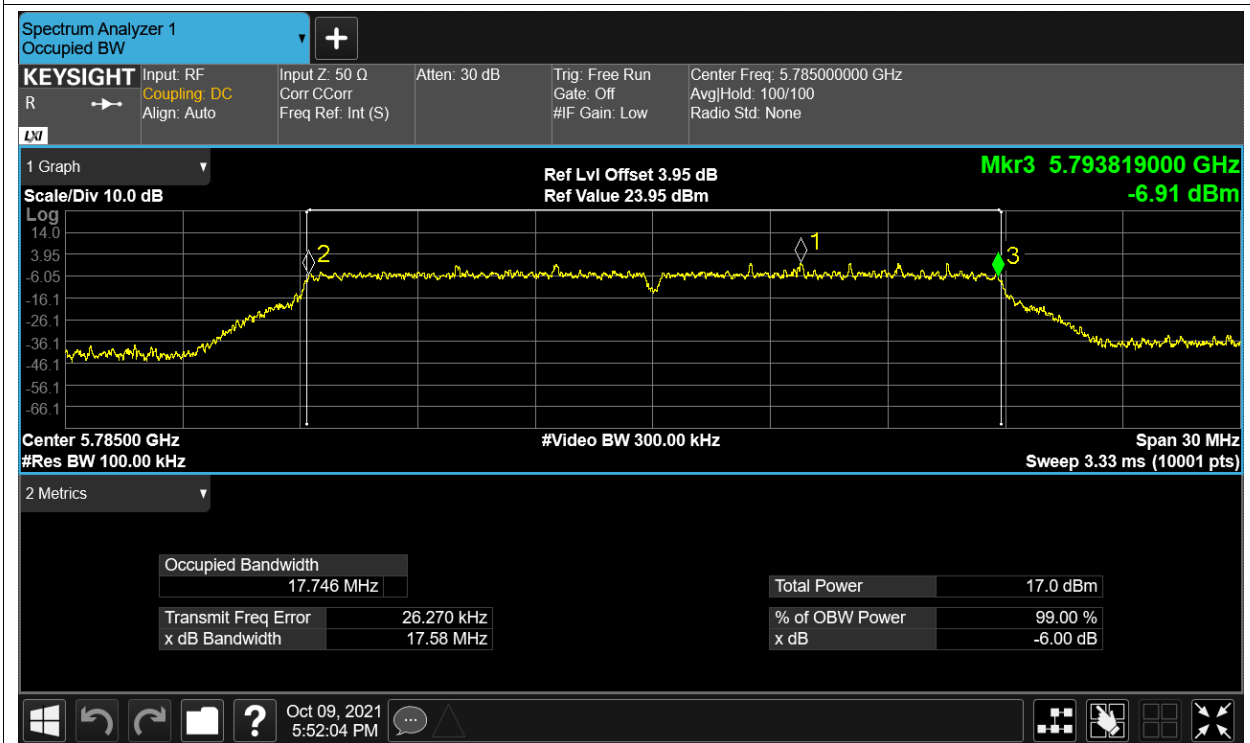
-6dB Bandwidth NVNT ac20 5745MHz Ant2



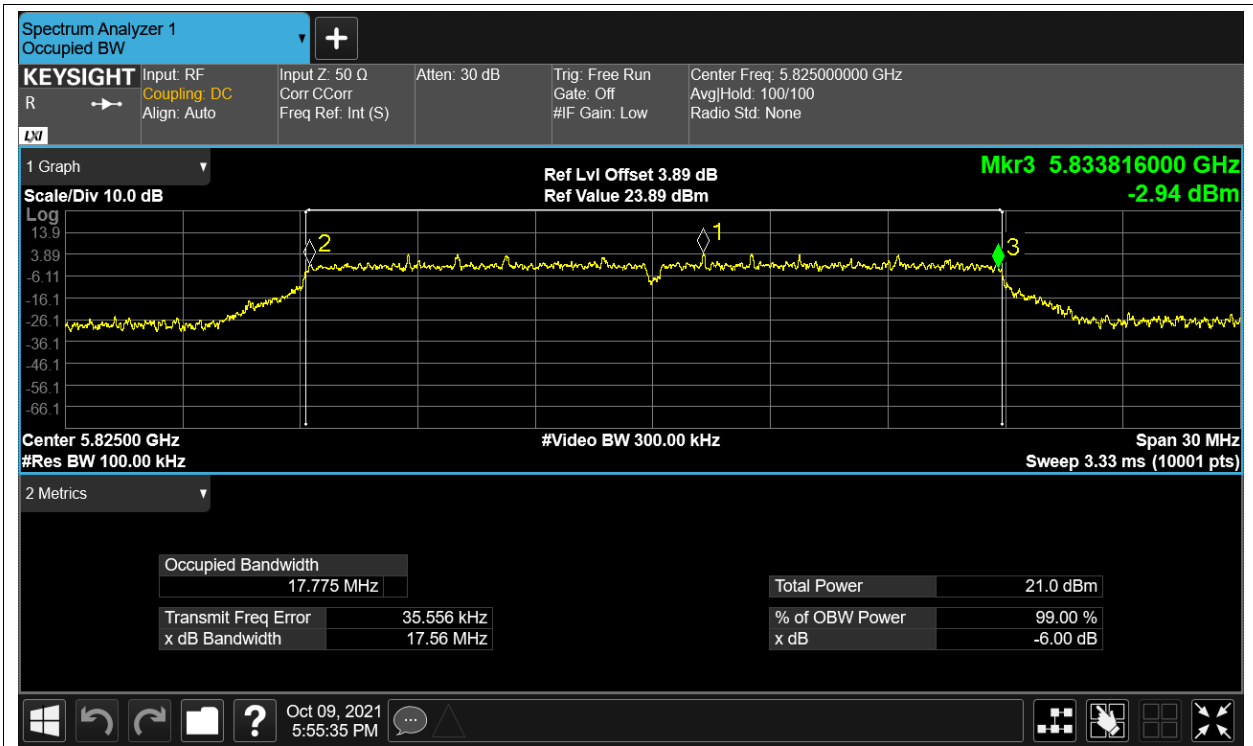
-6dB Bandwidth NVNT ac20 5785MHz Ant1



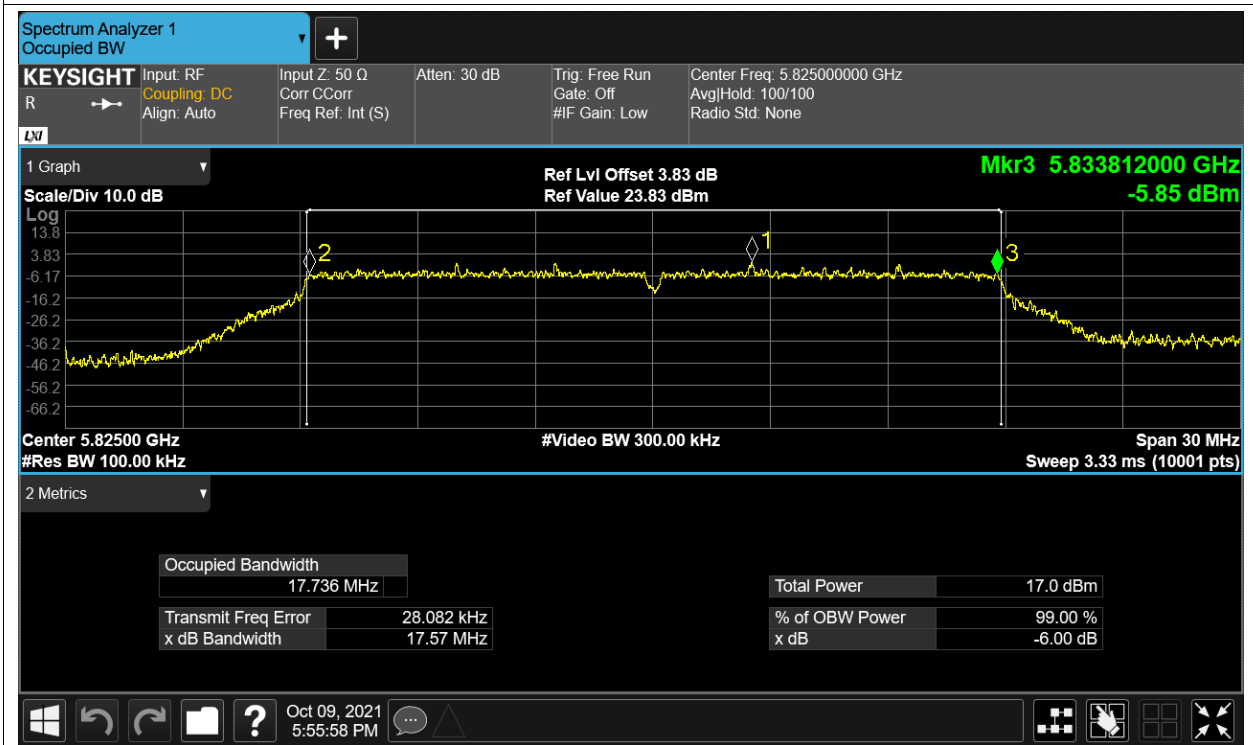
-6dB Bandwidth NVNT ac20 5785MHz Ant2



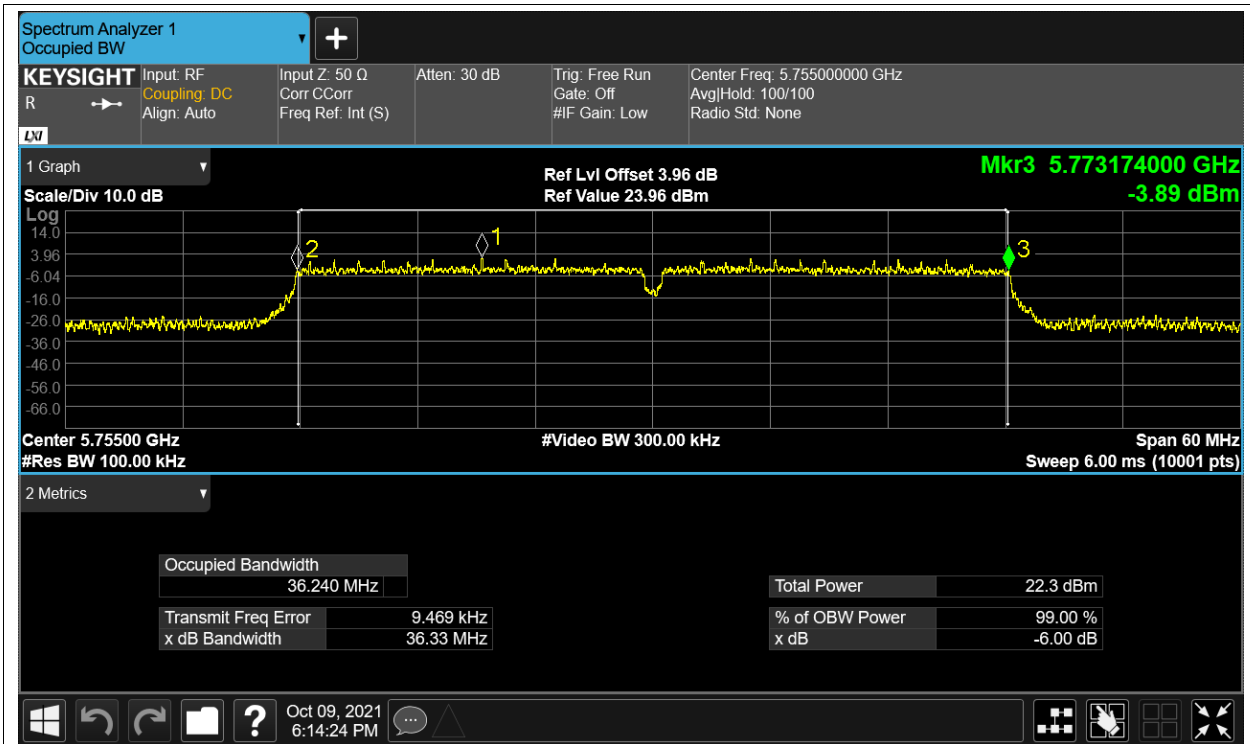
-6dB Bandwidth NVNT ac20 5825MHz Ant1



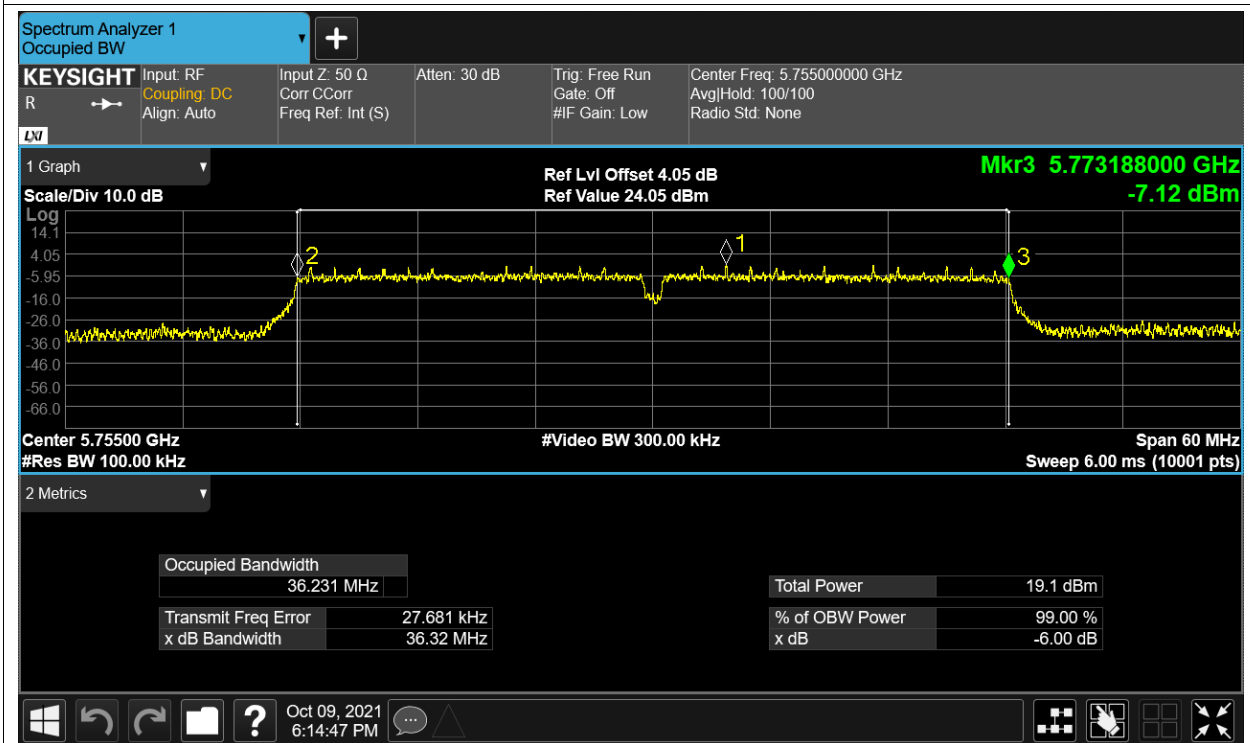
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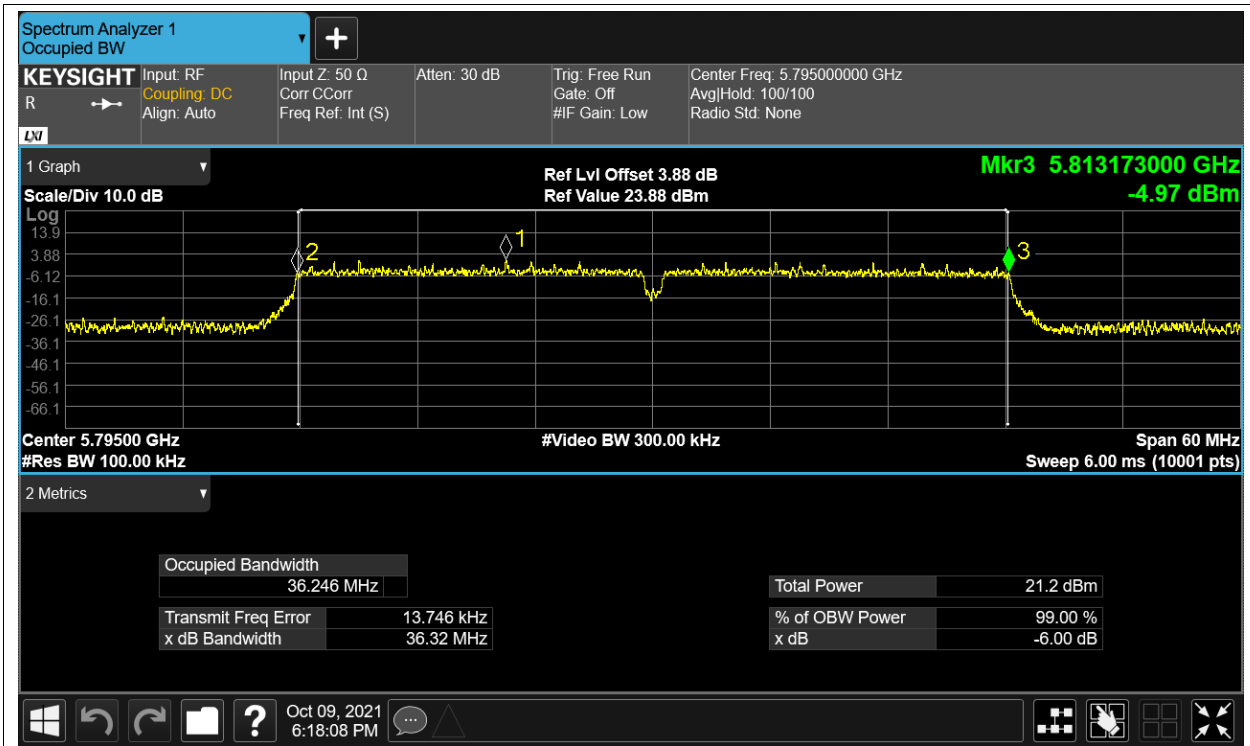
-6dB Bandwidth NVNT ac40 5755MHz Ant1



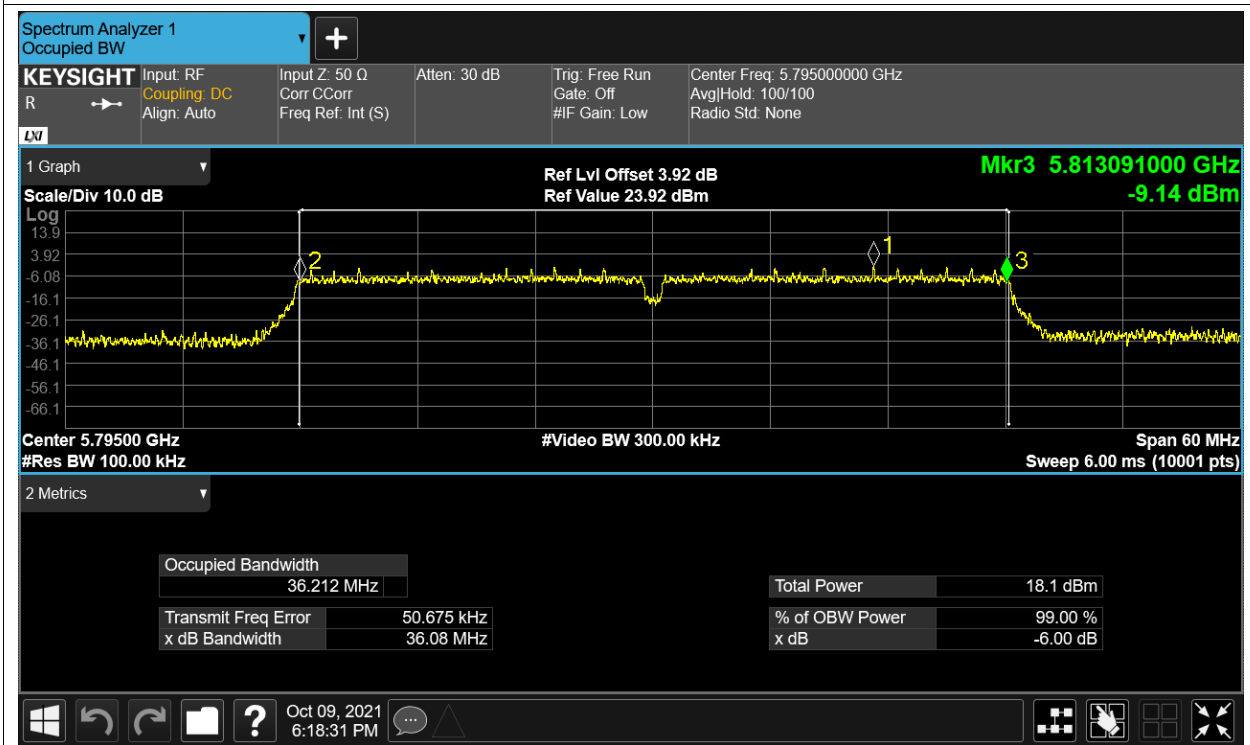
-6dB Bandwidth NVNT ac40 5755MHz Ant2



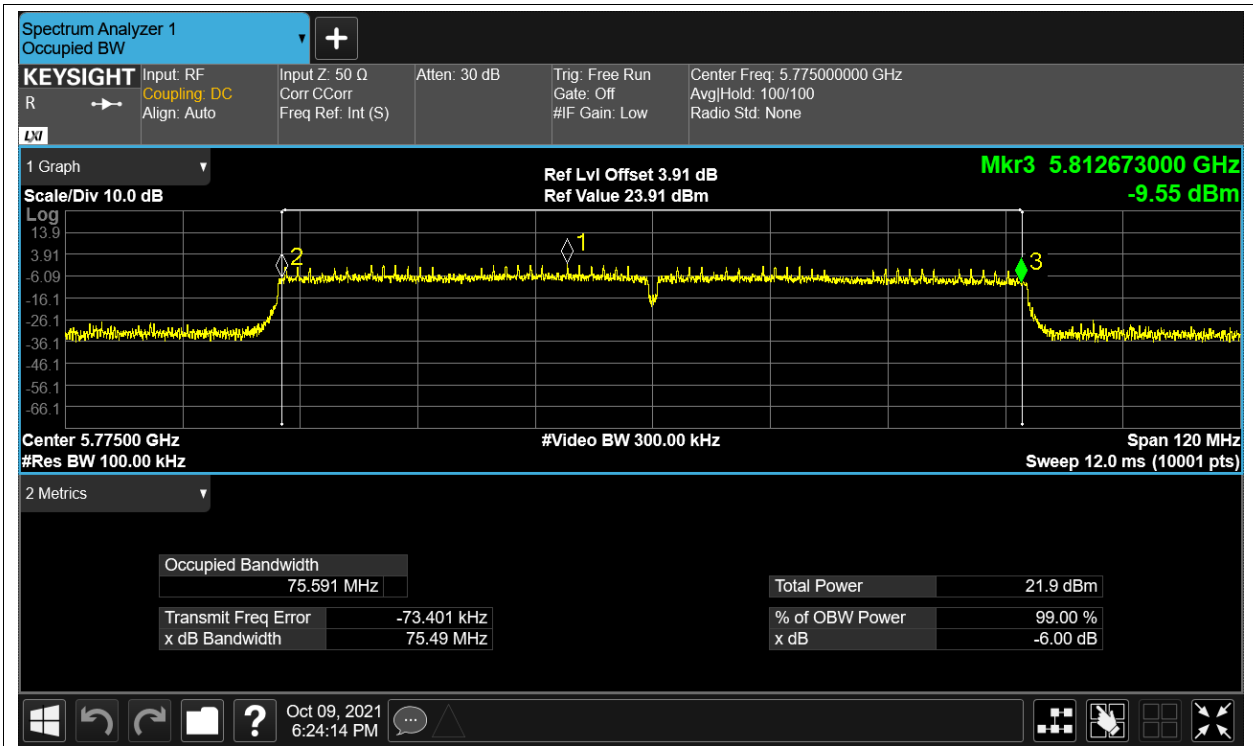
-6dB Bandwidth NVNT ac40 5795MHz Ant1



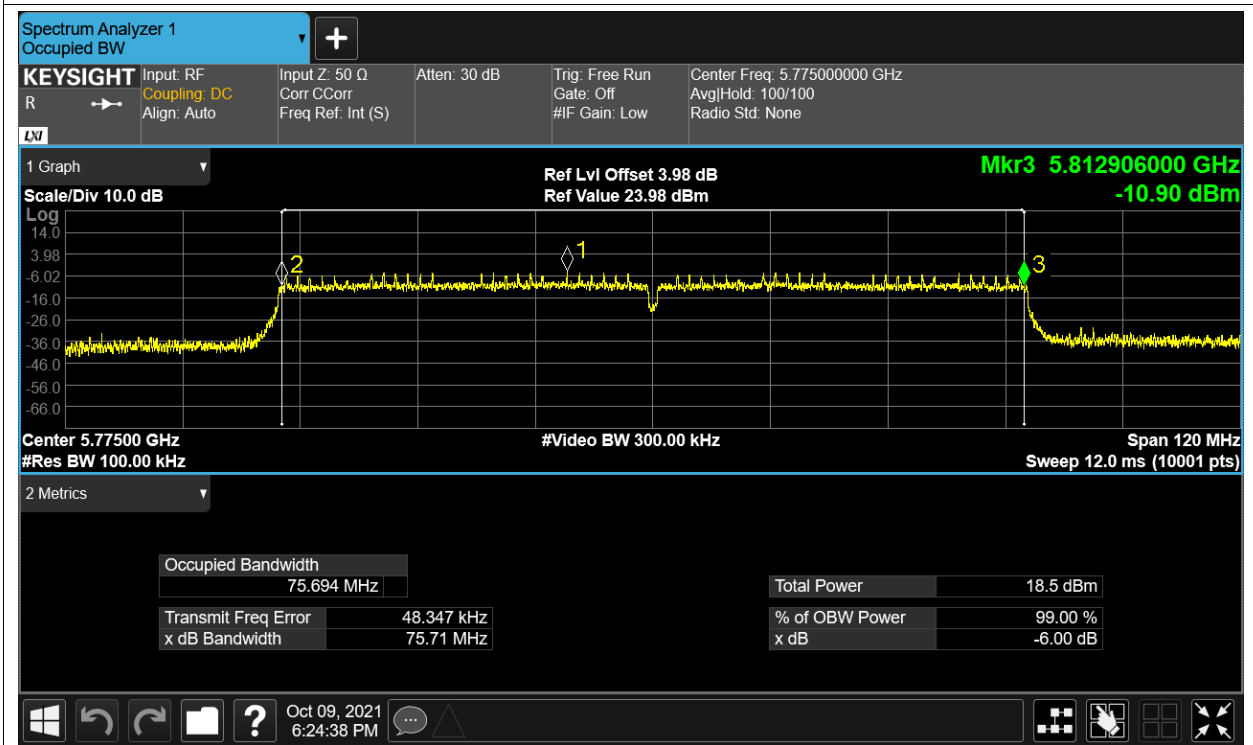
-6dB Bandwidth NVNT ac40 5795MHz Ant2



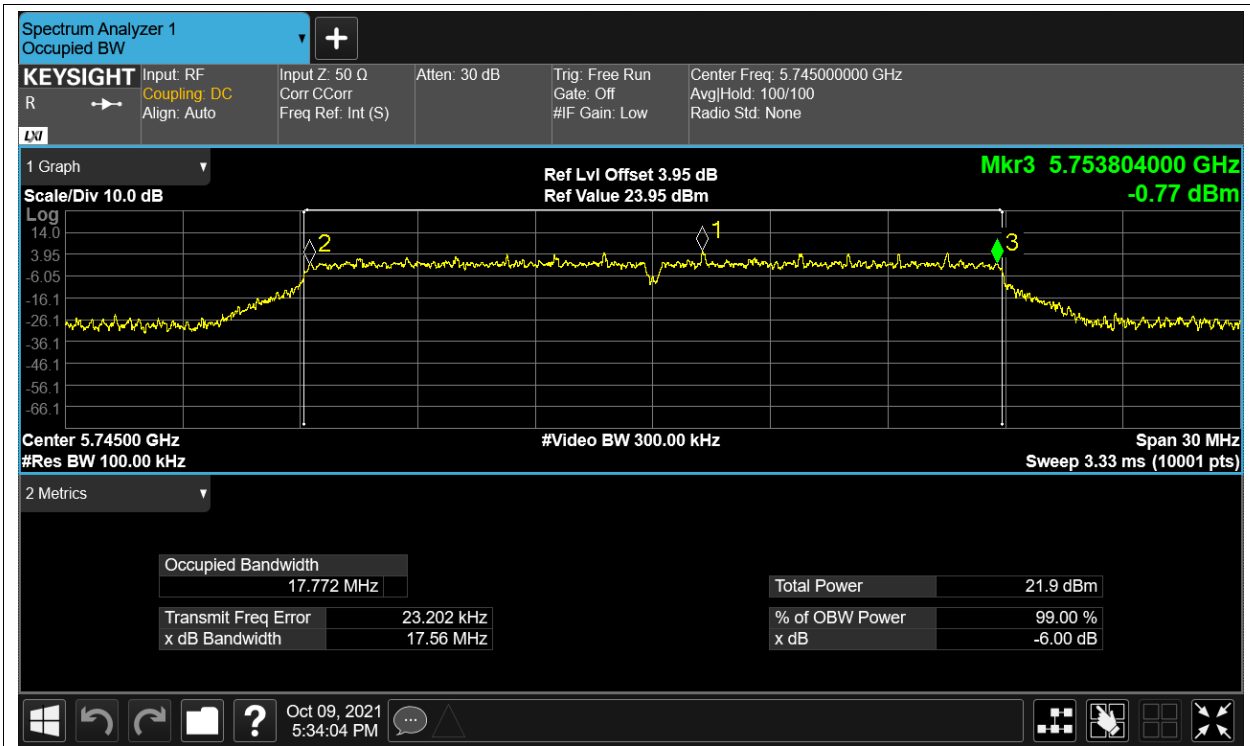
-6dB Bandwidth NVNT ac80 5775MHz Ant1



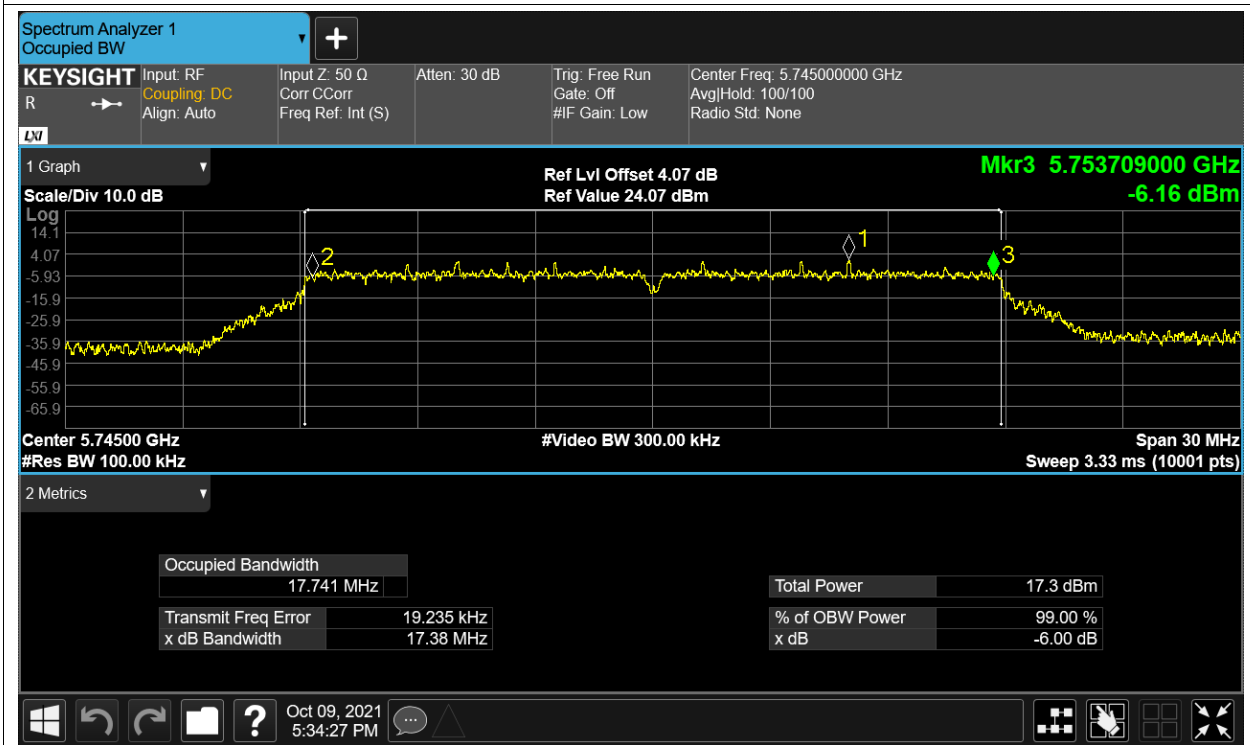
-6dB Bandwidth NVNT ac80 5775MHz Ant2



-6dB Bandwidth NVNT n20 5745MHz Ant1

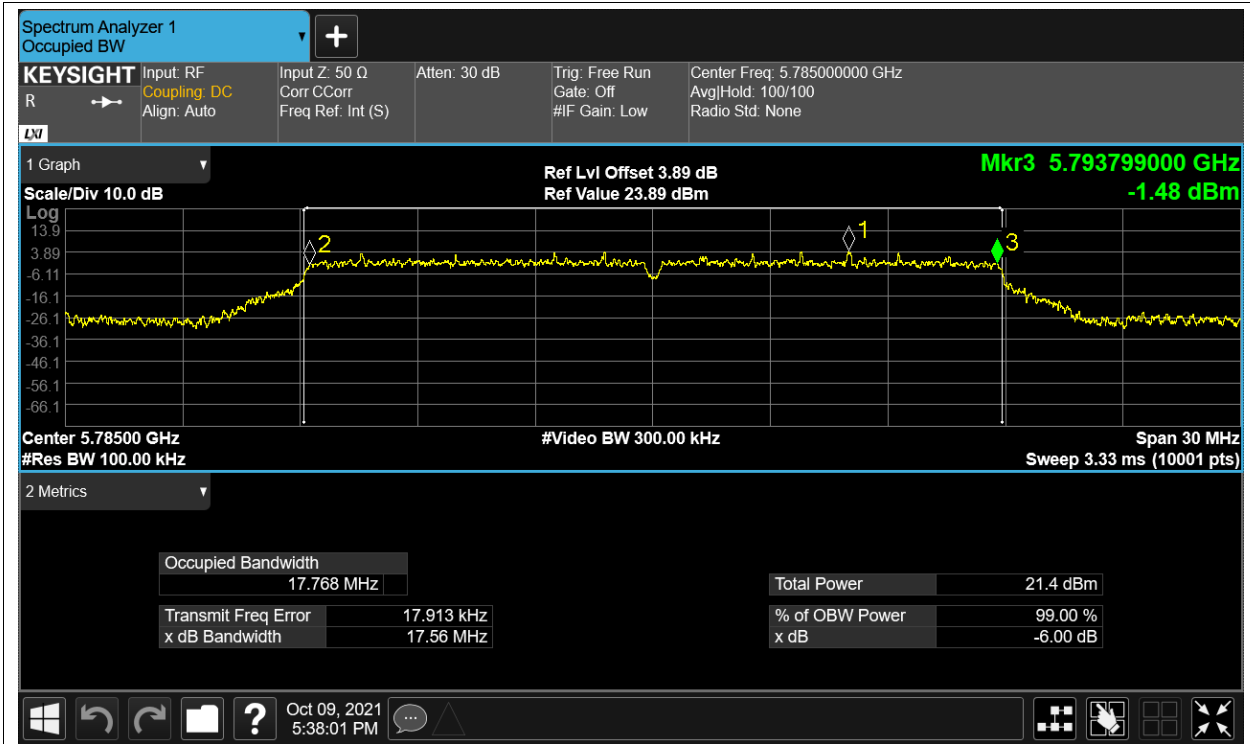


-6dB Bandwidth NVNT n20 5745MHz Ant2

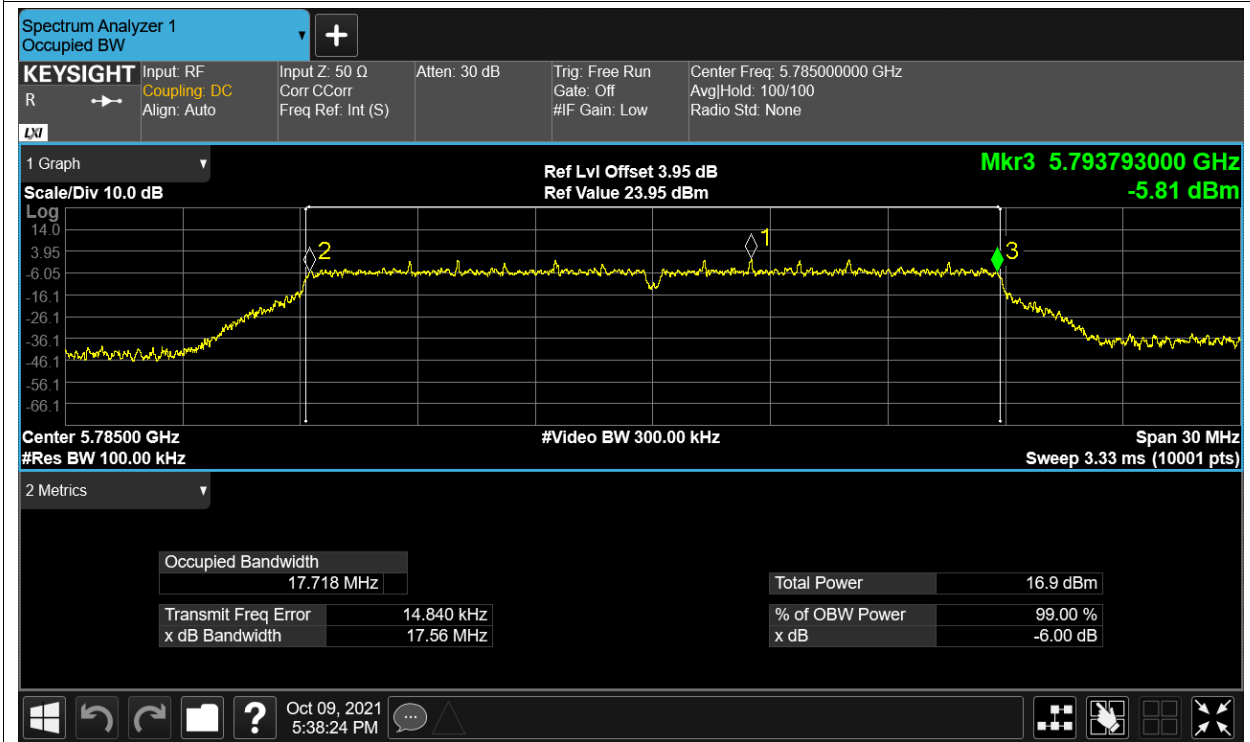


-6dB Bandwidth NVNT n20 5785MHz Ant1

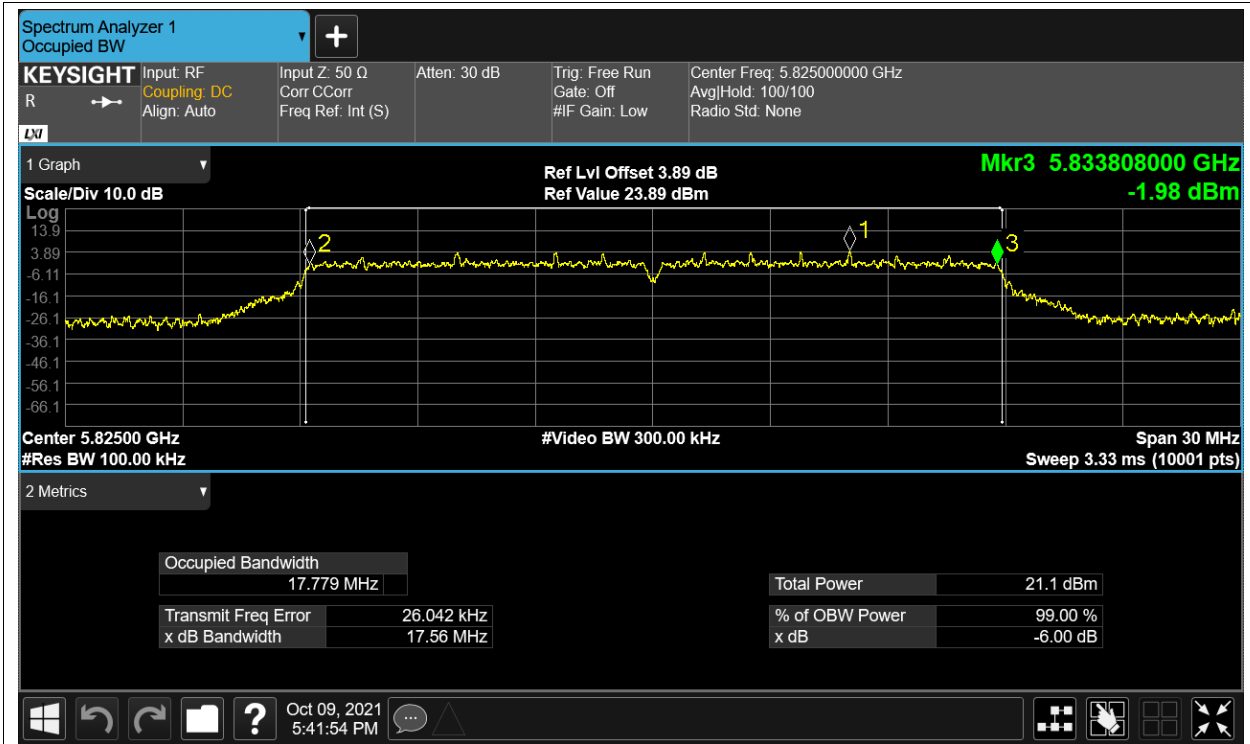




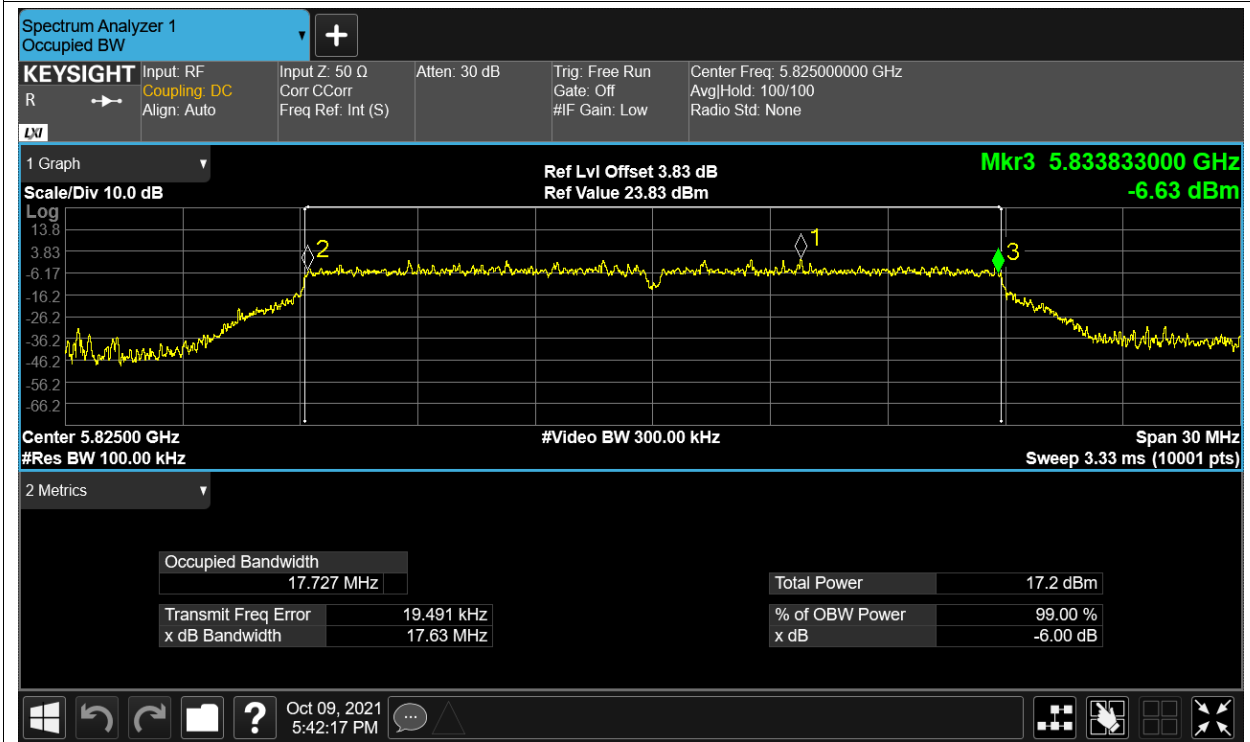
-6dB Bandwidth NVNT n20 5785MHz Ant2



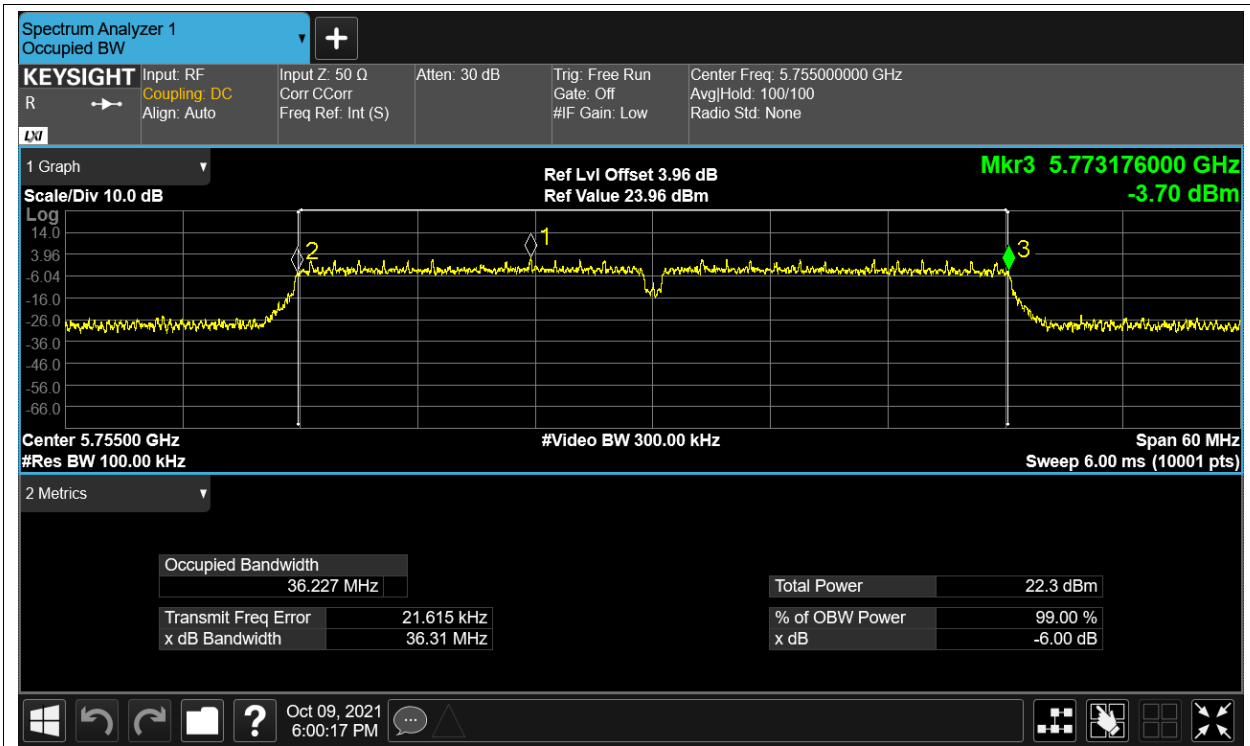
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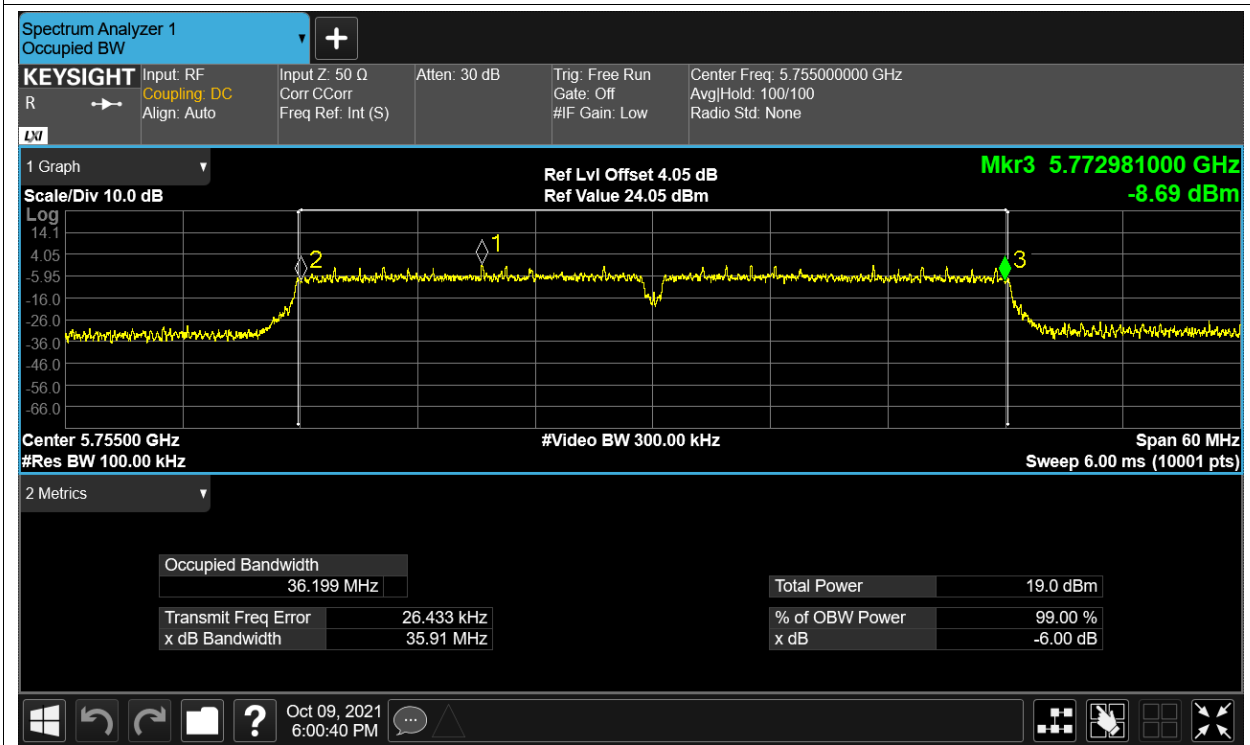
-6dB Bandwidth NVNT n20 5825MHz Ant2



-6dB Bandwidth NVNT n40 5755MHz Ant1



-6dB Bandwidth NVNT n40 5755MHz Ant2



-6dB Bandwidth NVNT n40 5795MHz Ant1