

Test Data

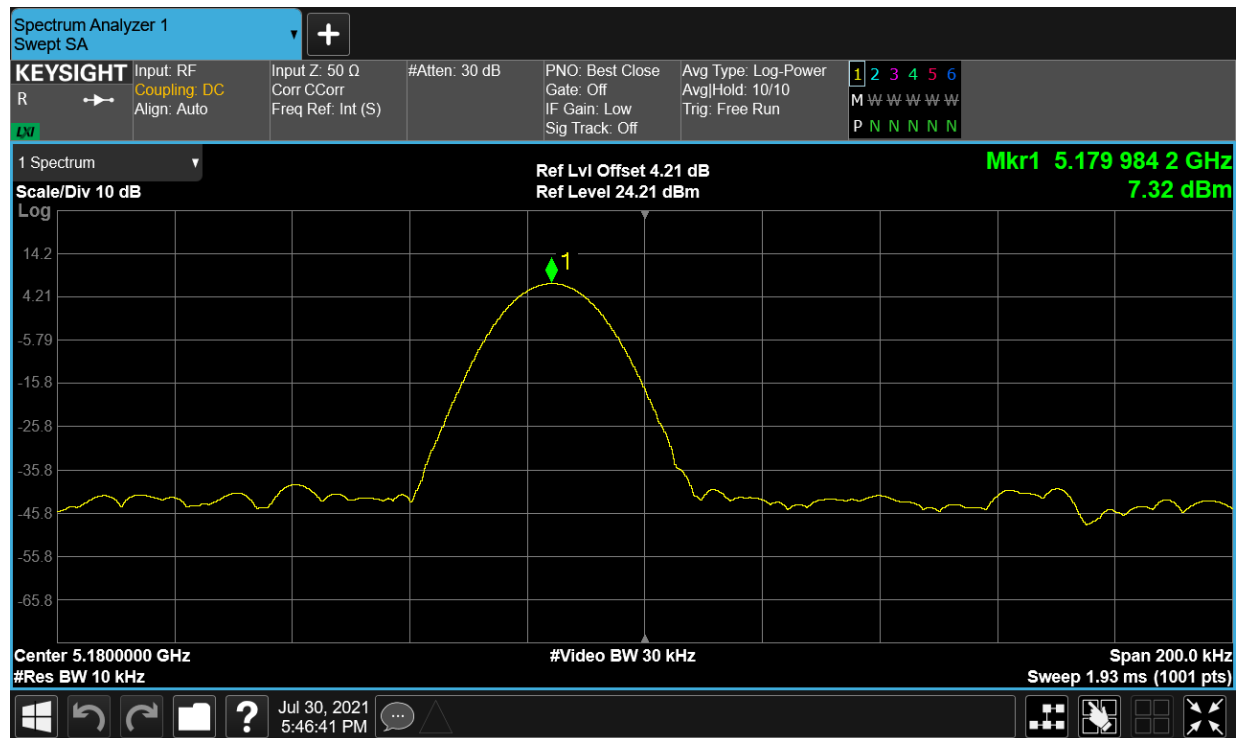
Frequency Stability (worst case mode)

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVHT	a	5180	Ant1	5179.9842	-3.05	25	Pass
HVLT	a	5180	Ant1	5179.9842	-3.05	25	Pass
LVHT	a	5180	Ant1	5179.9844	-3.01	25	Pass
LVLT	a	5180	Ant1	5179.9844	-3.01	25	Pass
NVNT	a	5180	Ant1	5179.9844	-3.01	25	Pass
HVHT	ac80	5210	Ant1	5209.9836	-3.15	25	Pass
HVLT	ac80	5210	Ant1	5209.9836	-3.15	25	Pass
LVHT	ac80	5210	Ant1	5209.9838	-3.11	25	Pass
LVLT	ac80	5210	Ant1	5209.9838	-3.11	25	Pass
NVNT	ac80	5210	Ant1	5209.9838	-3.11	25	Pass
HVHT	n40	5190	Ant1	5189.9838	-3.12	25	Pass
HVLT	n40	5190	Ant1	5189.984	-3.08	25	Pass
LVHT	n40	5190	Ant1	5189.984	-3.08	25	Pass
LVLT	n40	5190	Ant1	5189.984	-3.08	25	Pass
NVNT	n40	5190	Ant1	5189.9842	-3.04	25	Pass

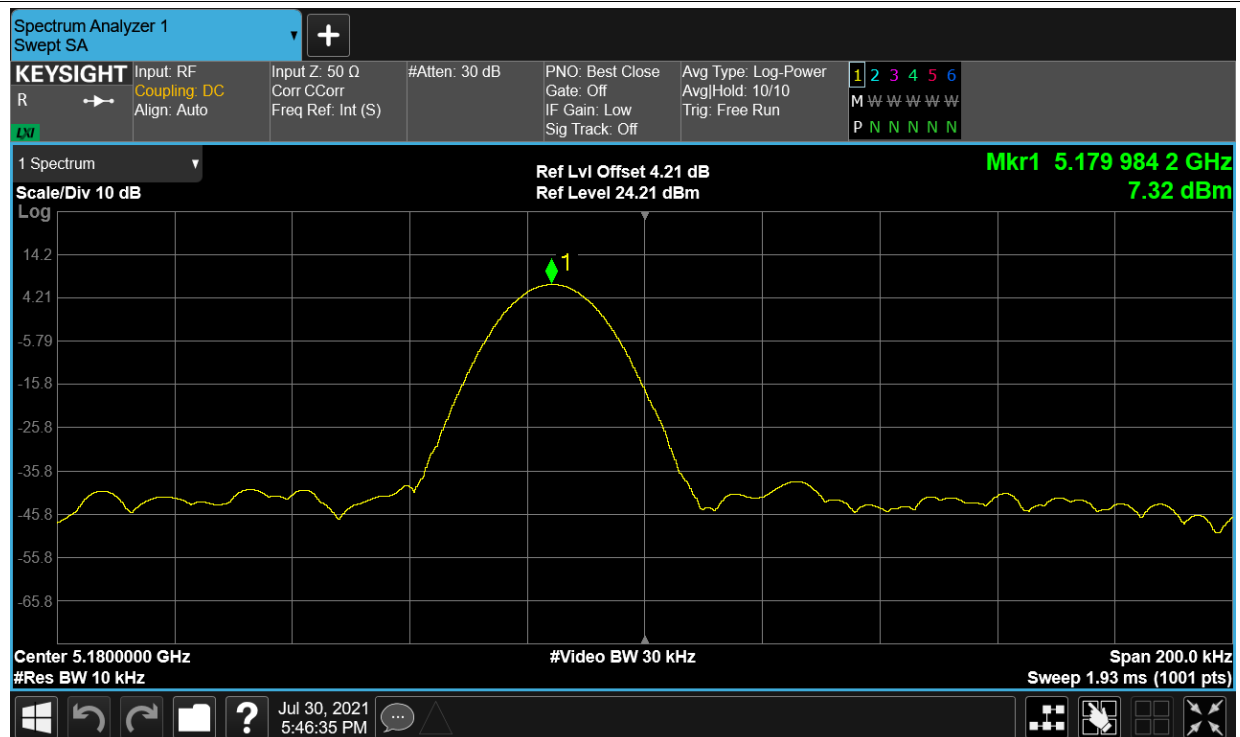
Remark: "NTNV" means Normal Temperature Normal Voltage, "LTLV" means Low Temperature Low Voltage, "LTHV" means Low Temperature High Voltage, "HTLV" means High Temperature Low Voltage, "HTHV" means High Temperature High Voltage.

Test Graphs

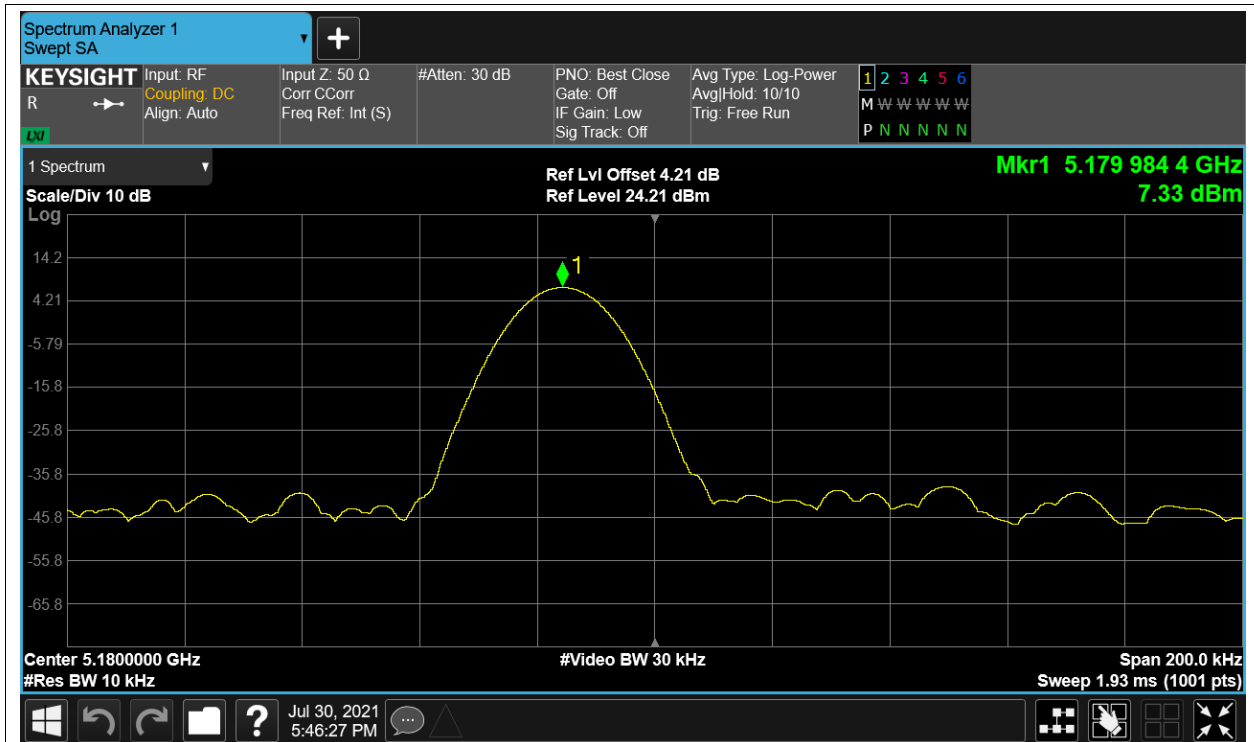
Freq. Stability HVHT a 5180MHz Ant1



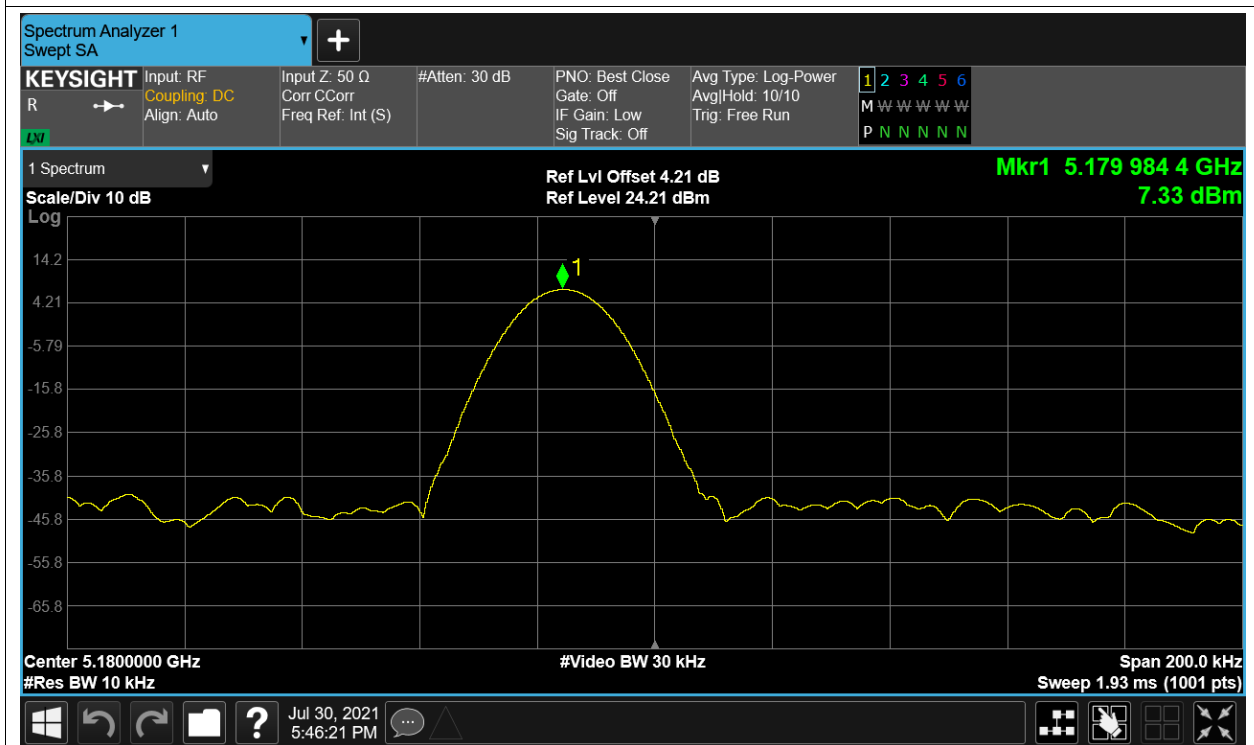
Freq. Stability HVLT a 5180MHz Ant1



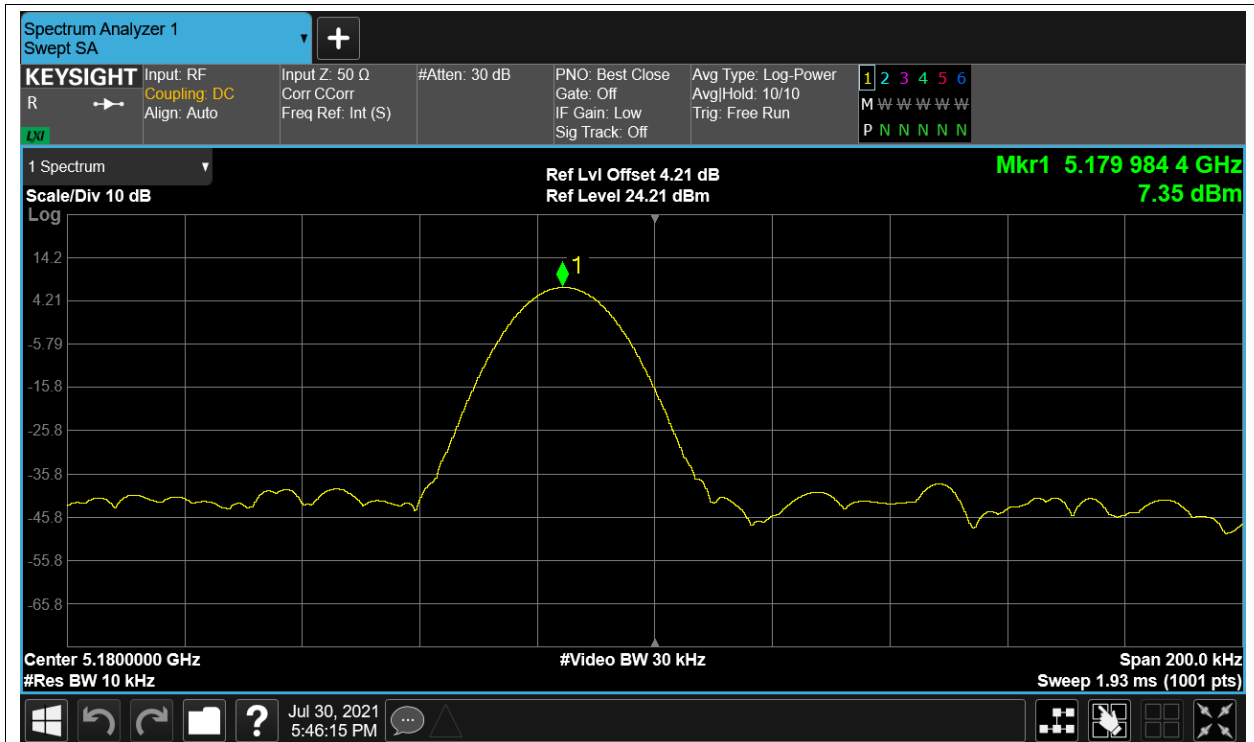
Freq. Stability LVHT a 5180MHz Ant1



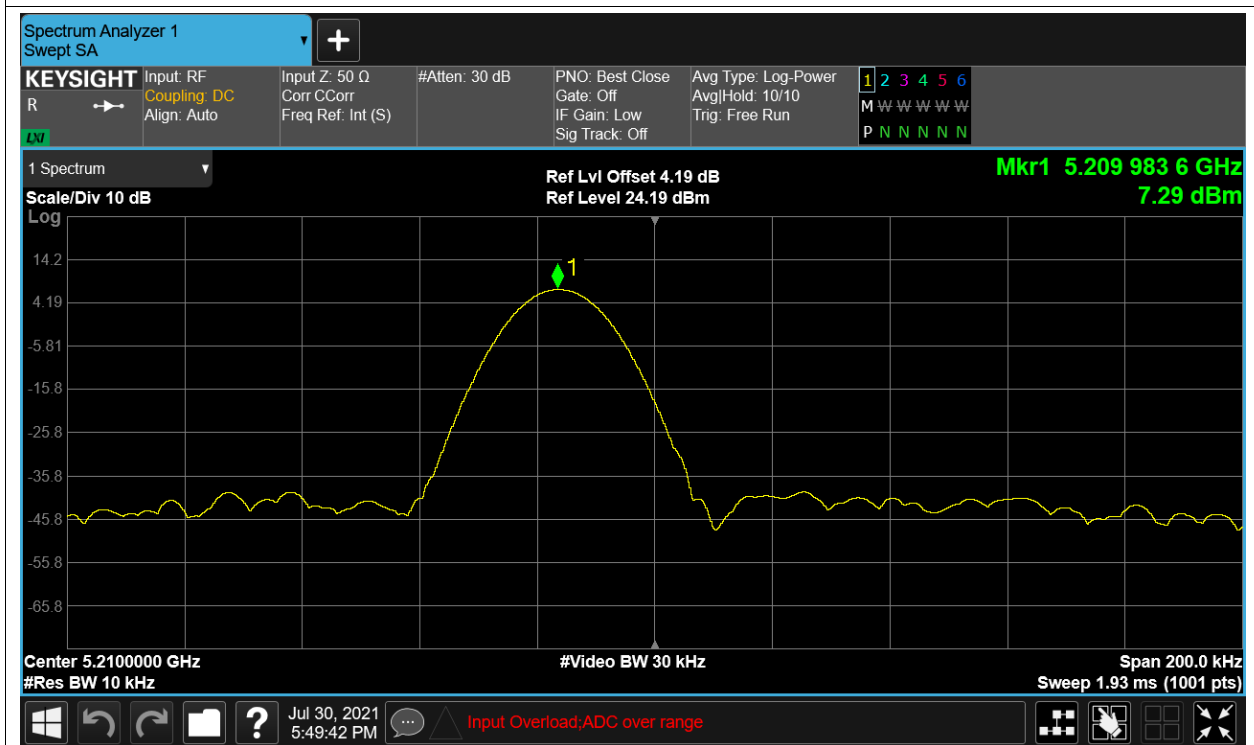
Freq. Stability LVLT a 5180MHz Ant1



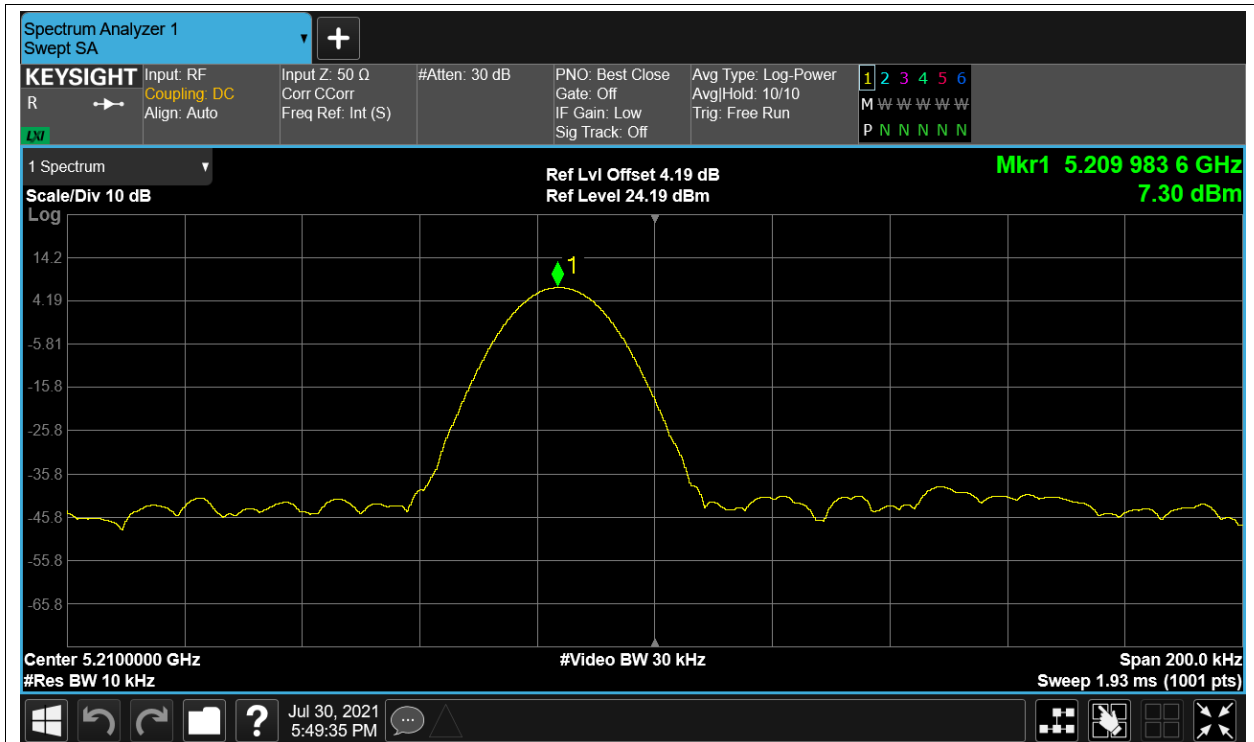
Freq. Stability NVNT a 5180MHz Ant1



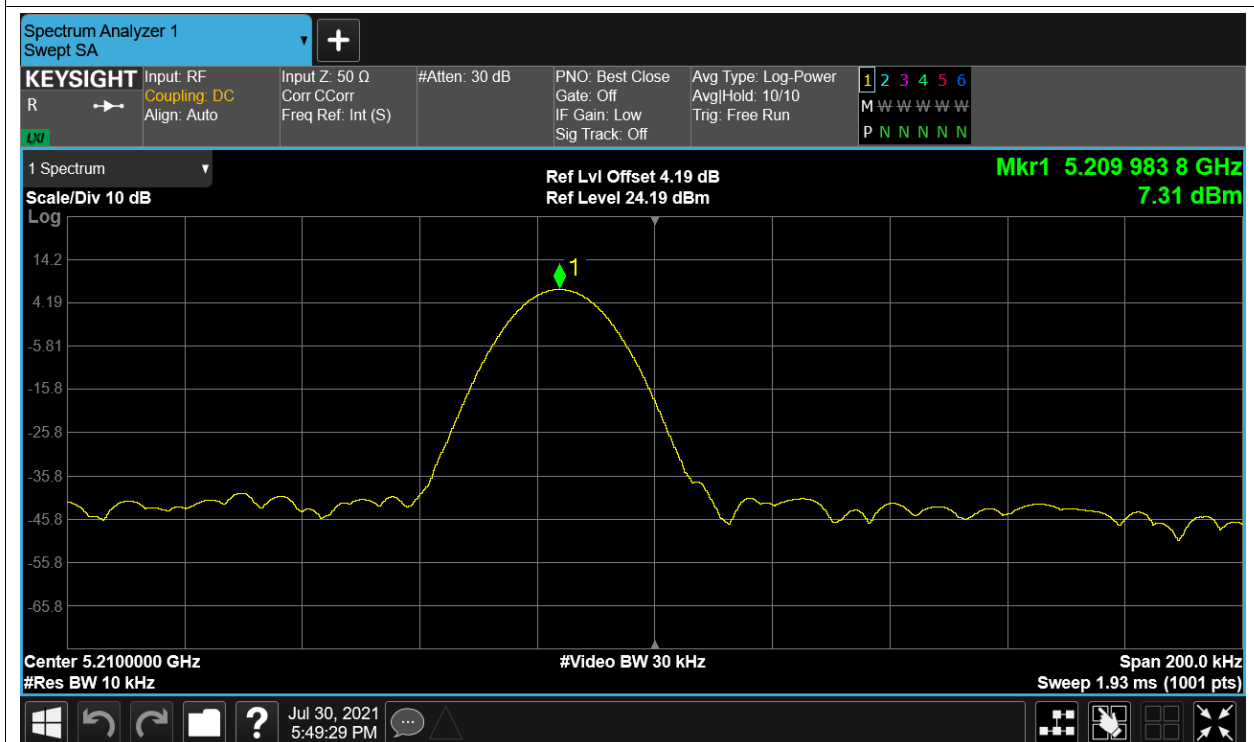
Freq. Stability HVHT ac80 5210MHz Ant1



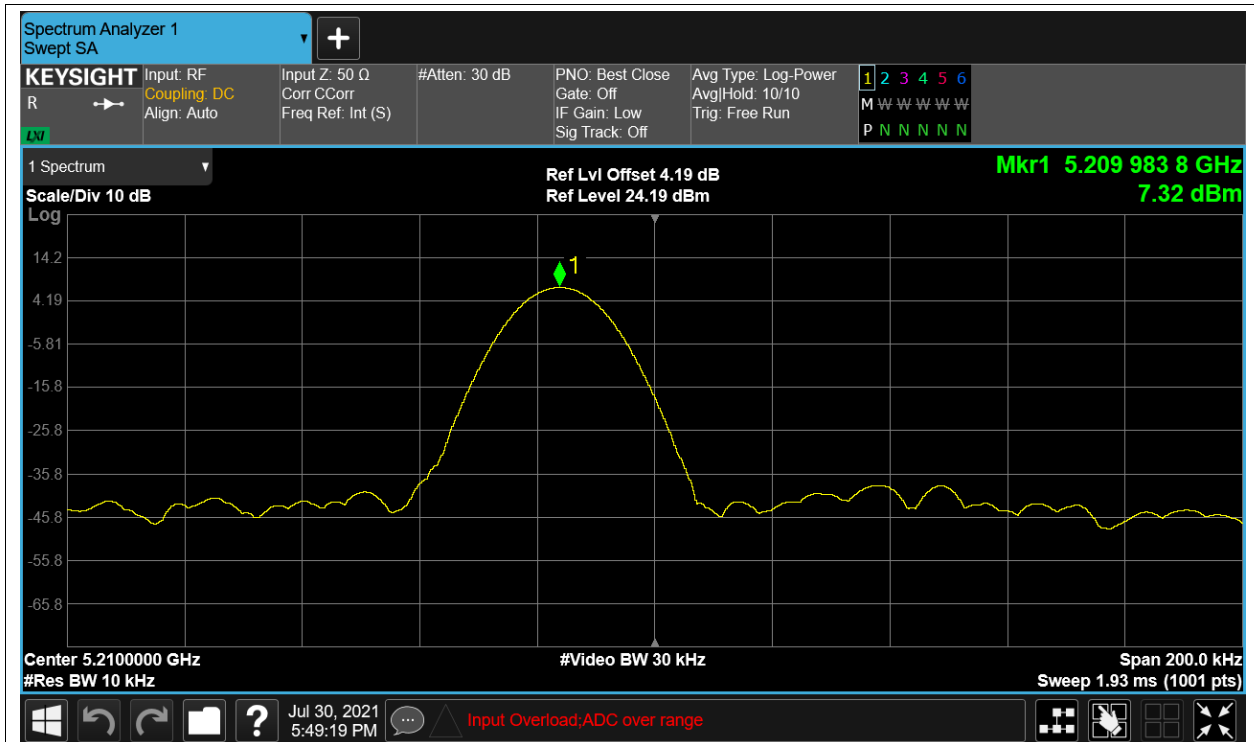
Freq. Stability HVLT ac80 5210MHz Ant1



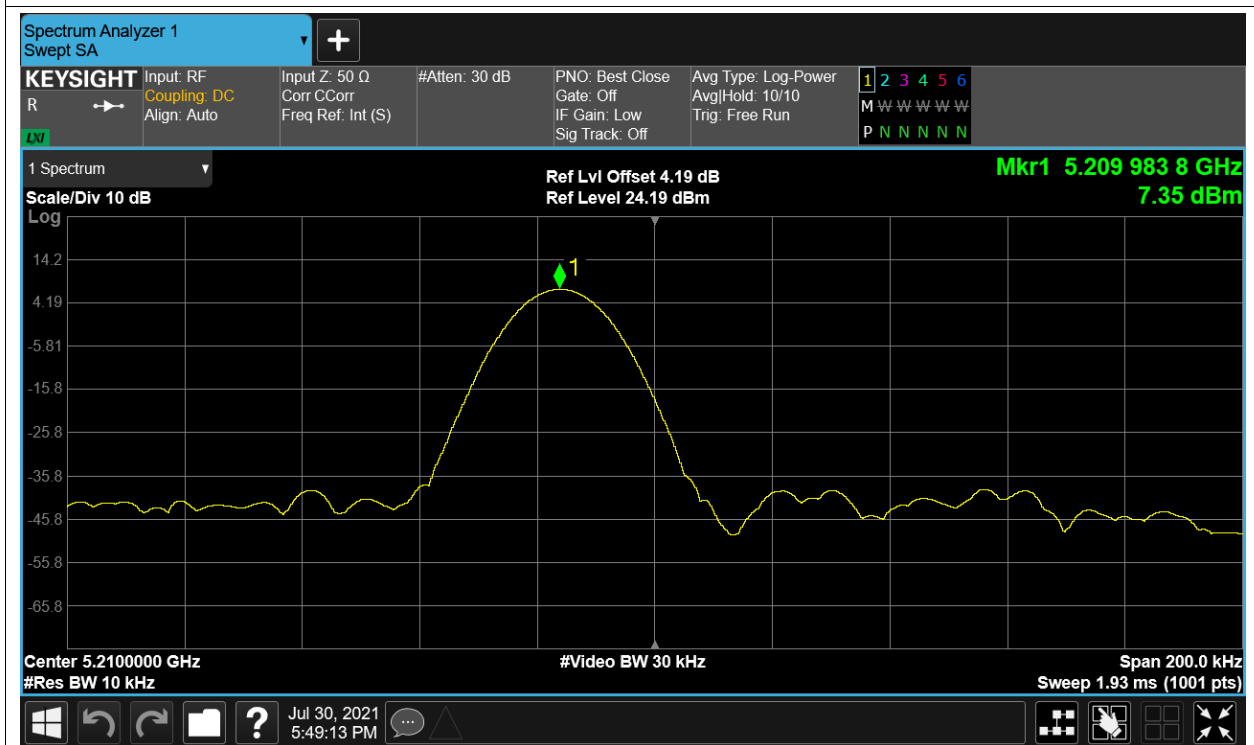
Freq. Stability LVHT ac80 5210MHz Ant1



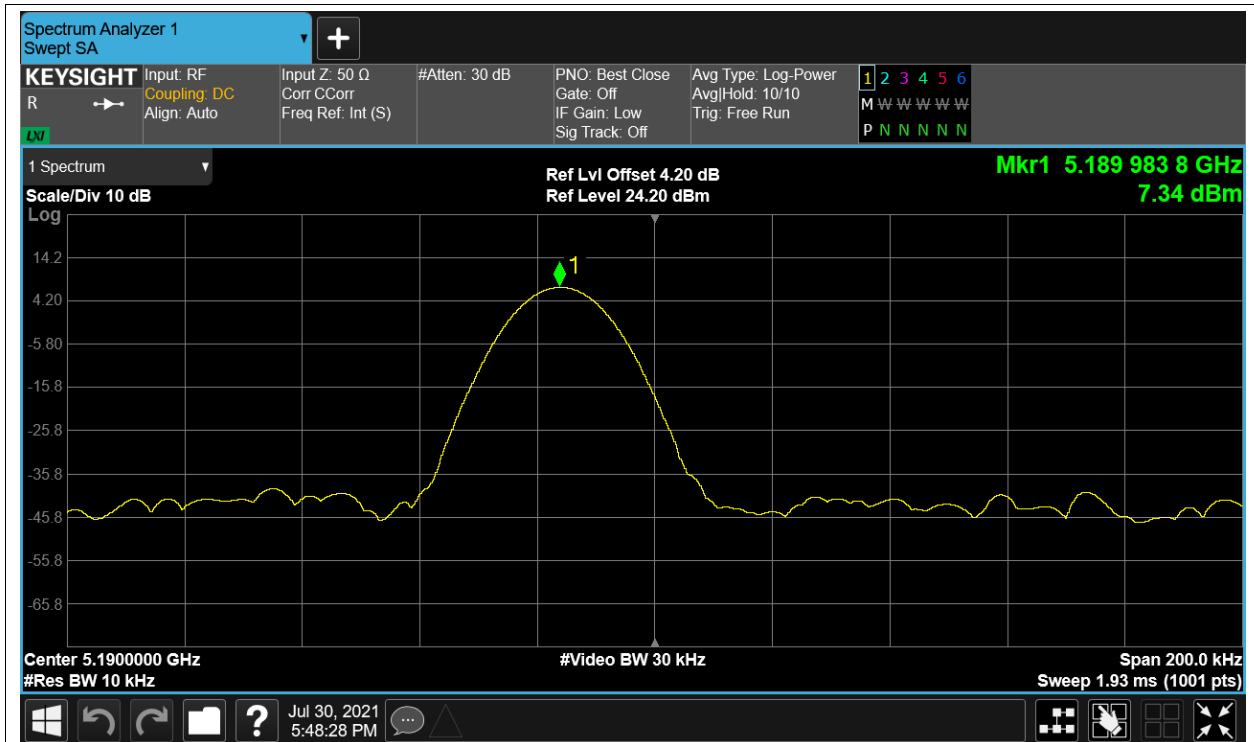
Freq. Stability LVLT ac80 5210MHz Ant1



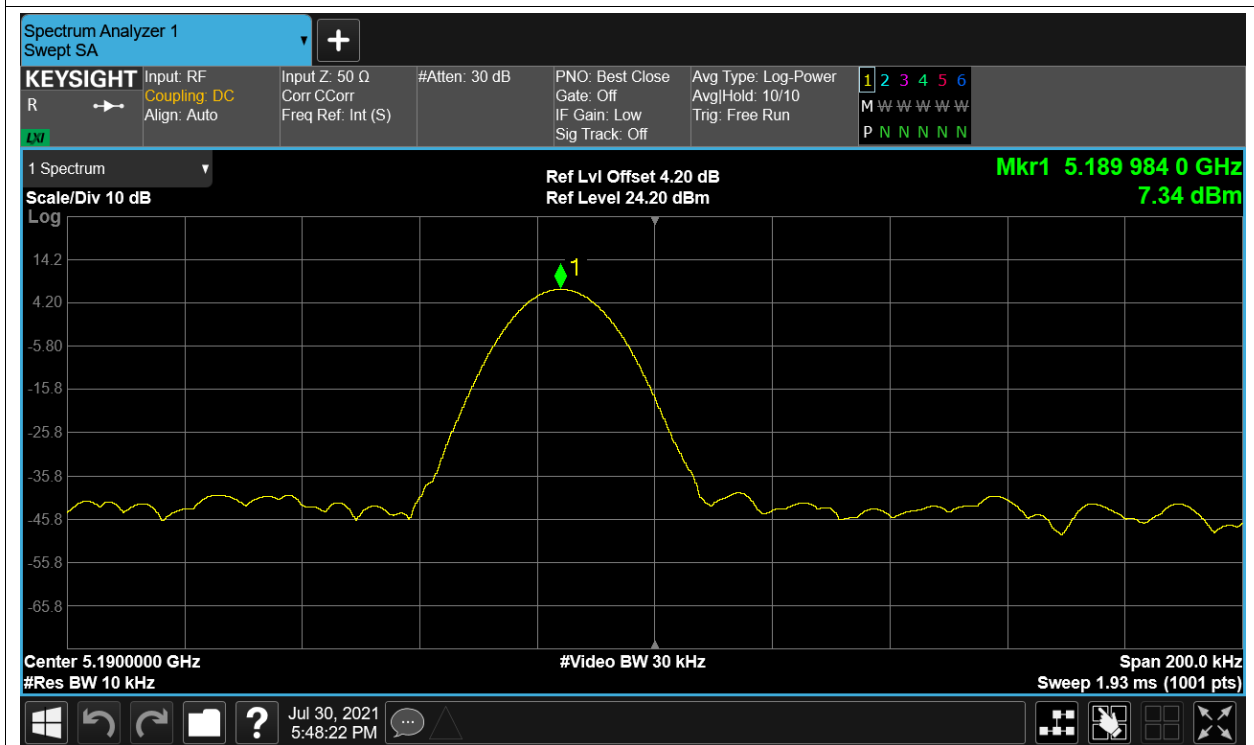
Freq. Stability NVNT ac80 5210MHz Ant1



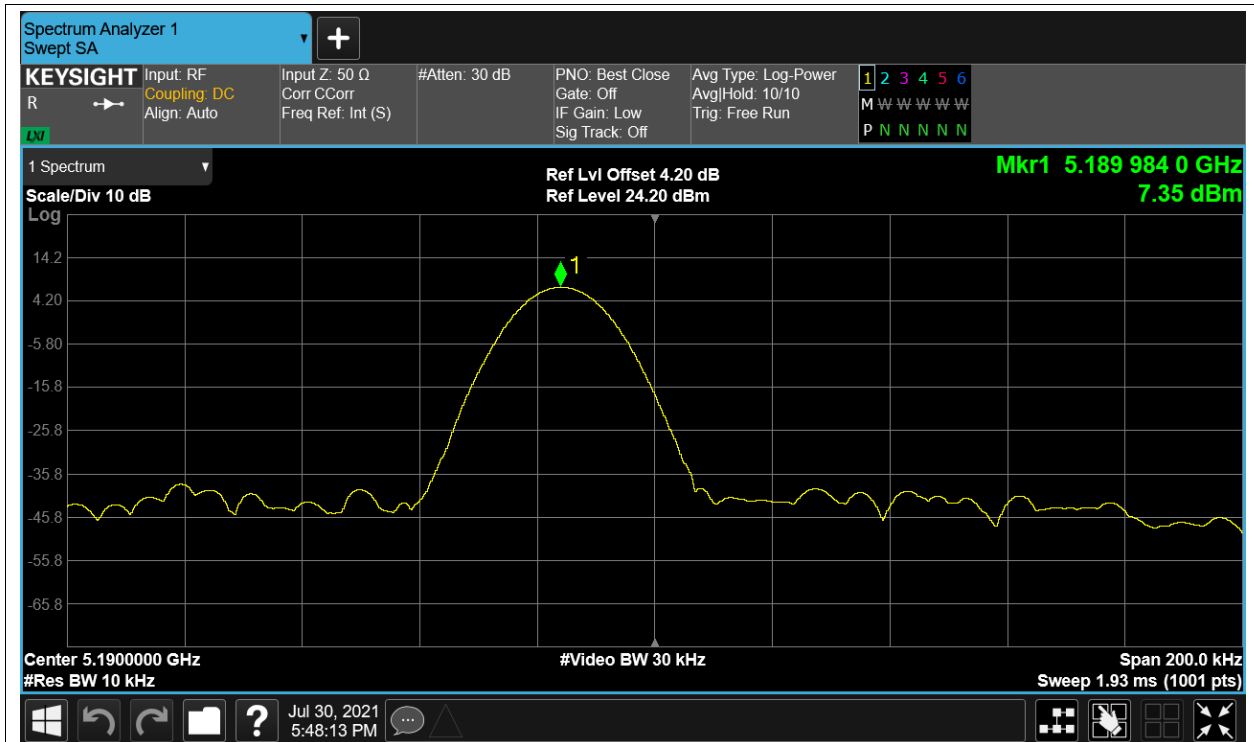
Freq. Stability HVHT n40 5190MHz Ant1



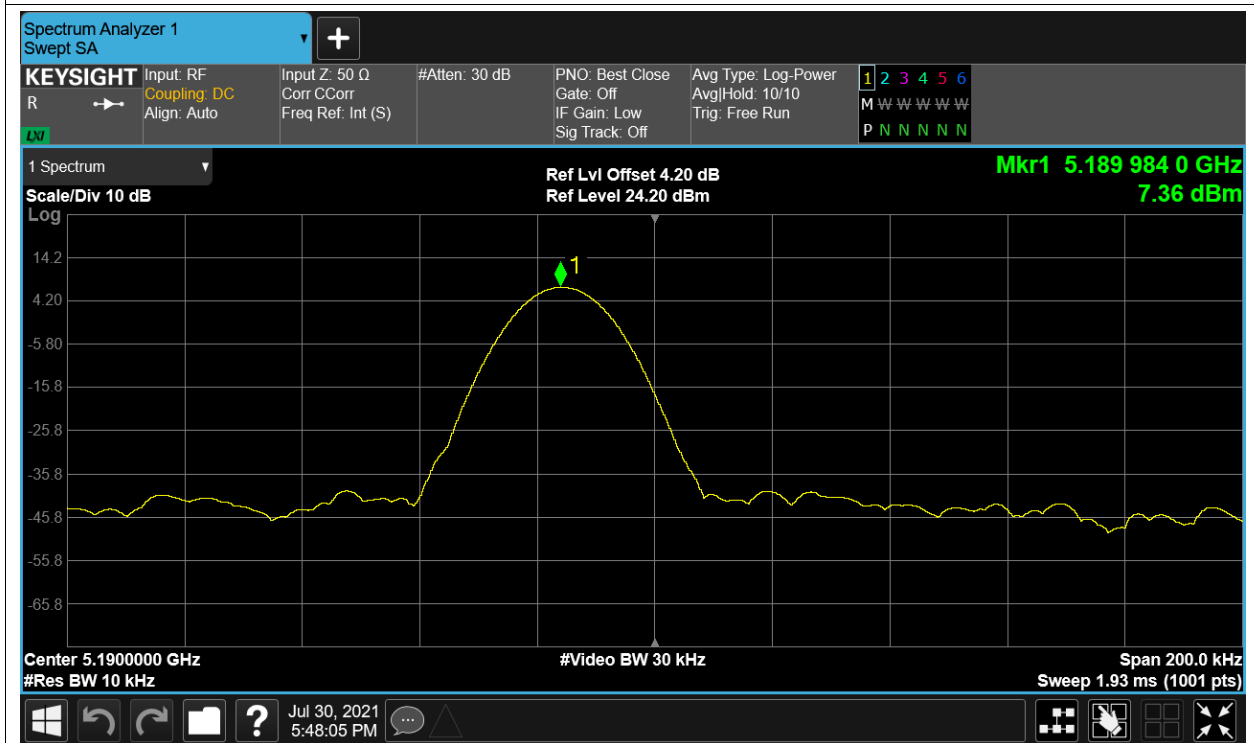
Freq. Stability HVLT n40 5190MHz Ant1



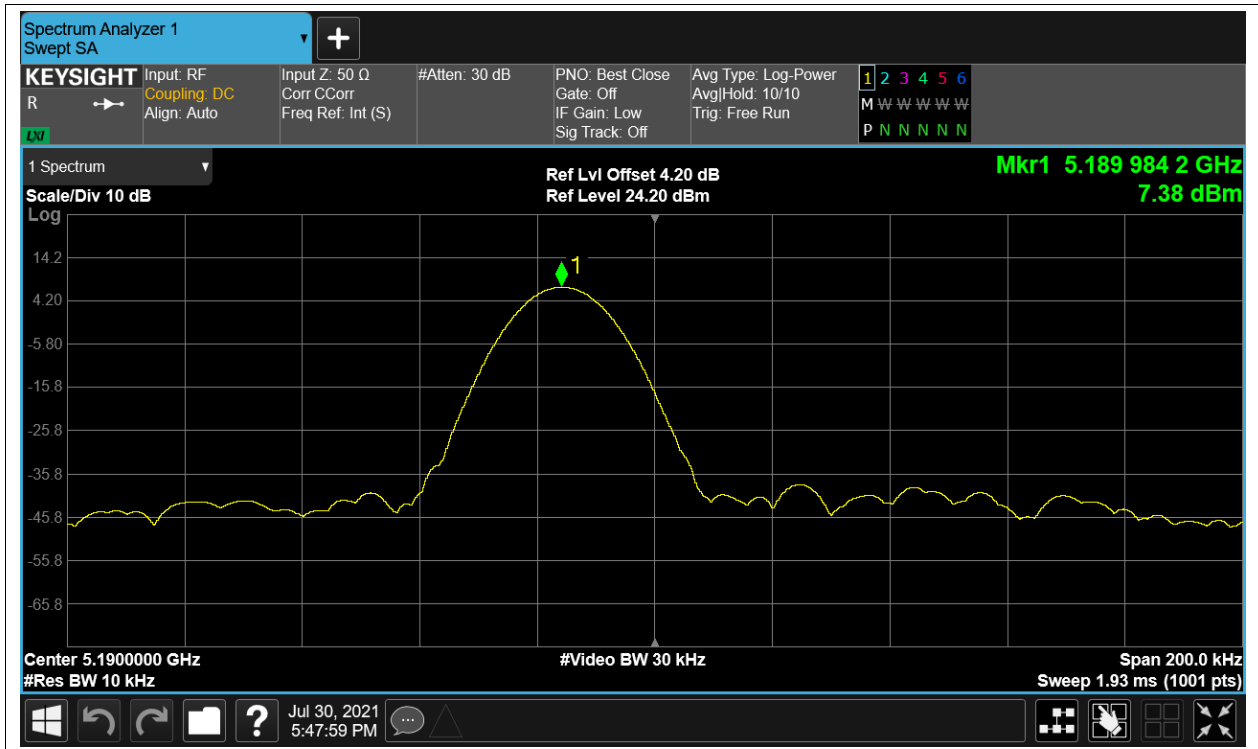
Freq. Stability LVHT n40 5190MHz Ant1



Freq. Stability LVLT n40 5190MHz Ant1

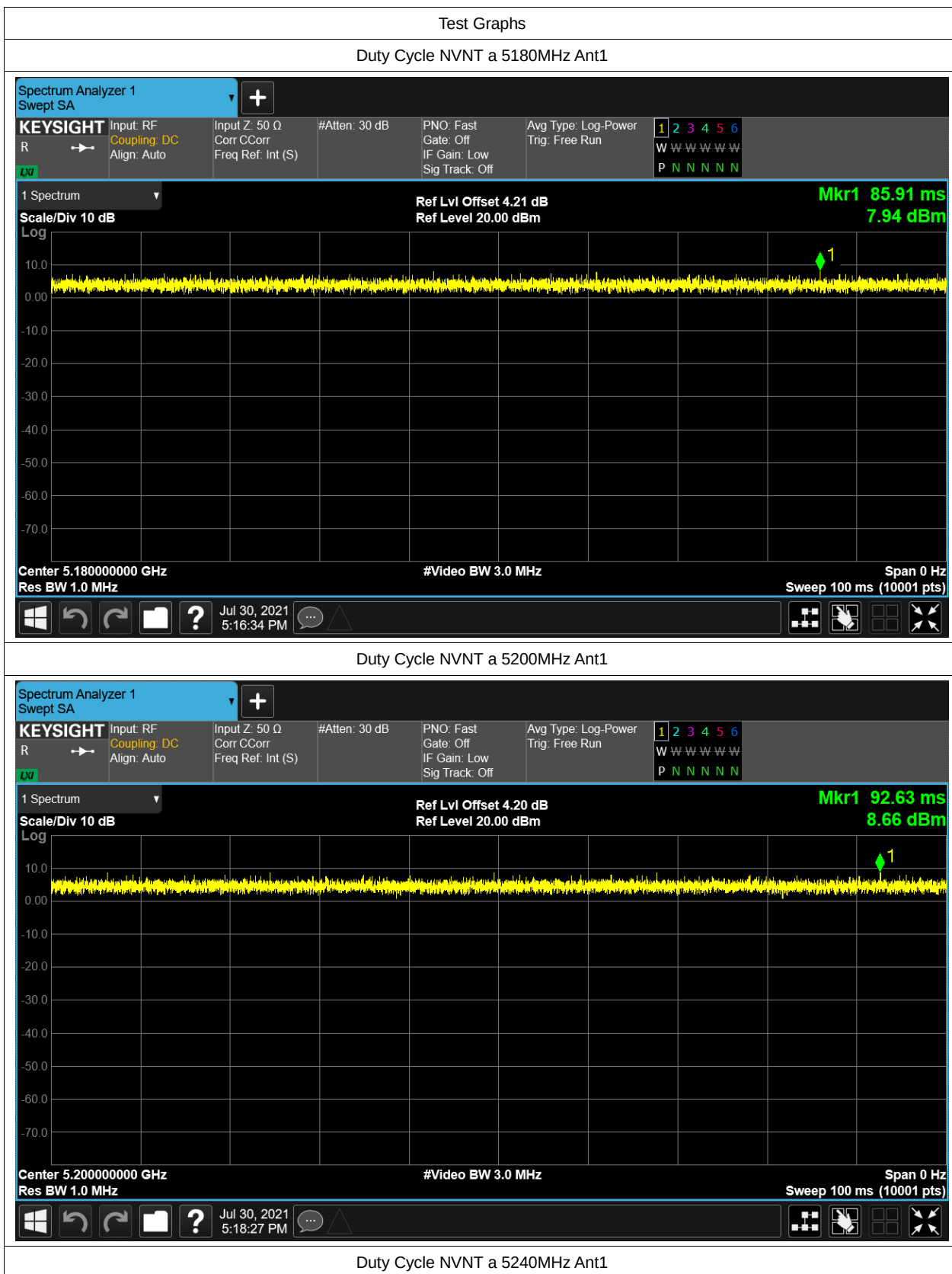


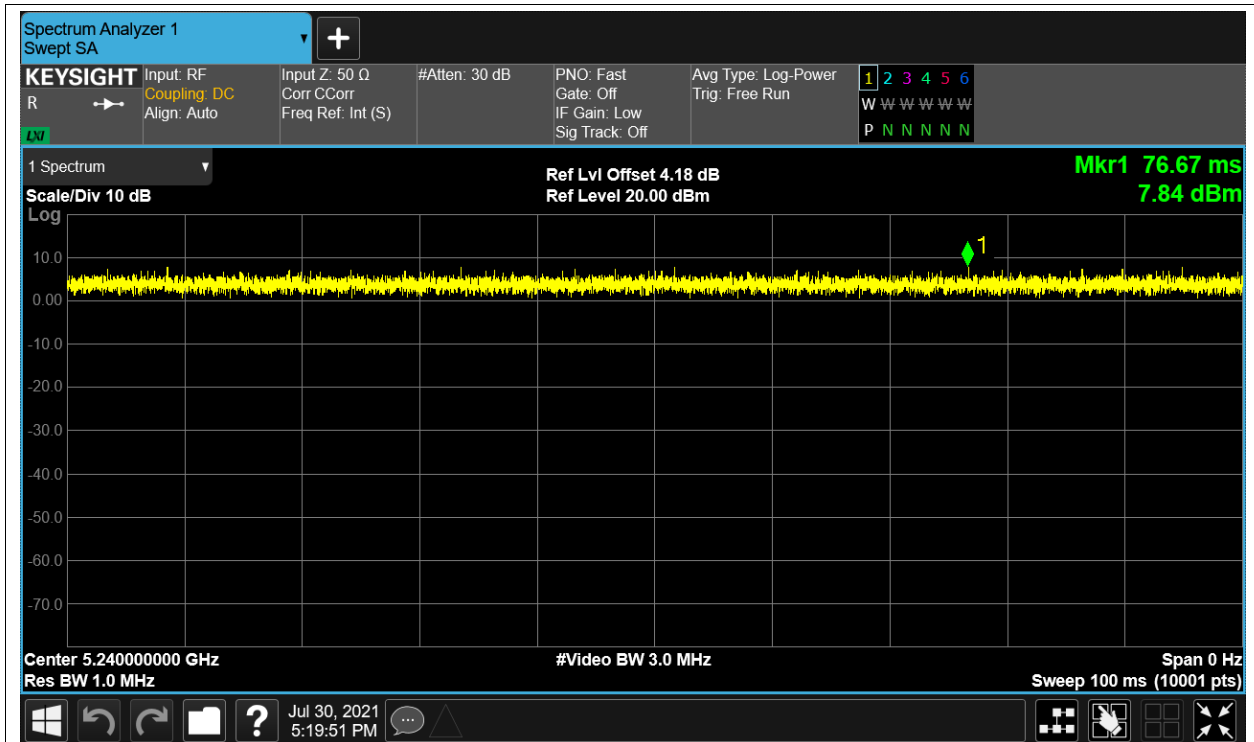
Freq. Stability NVNT n40 5190MHz Ant1



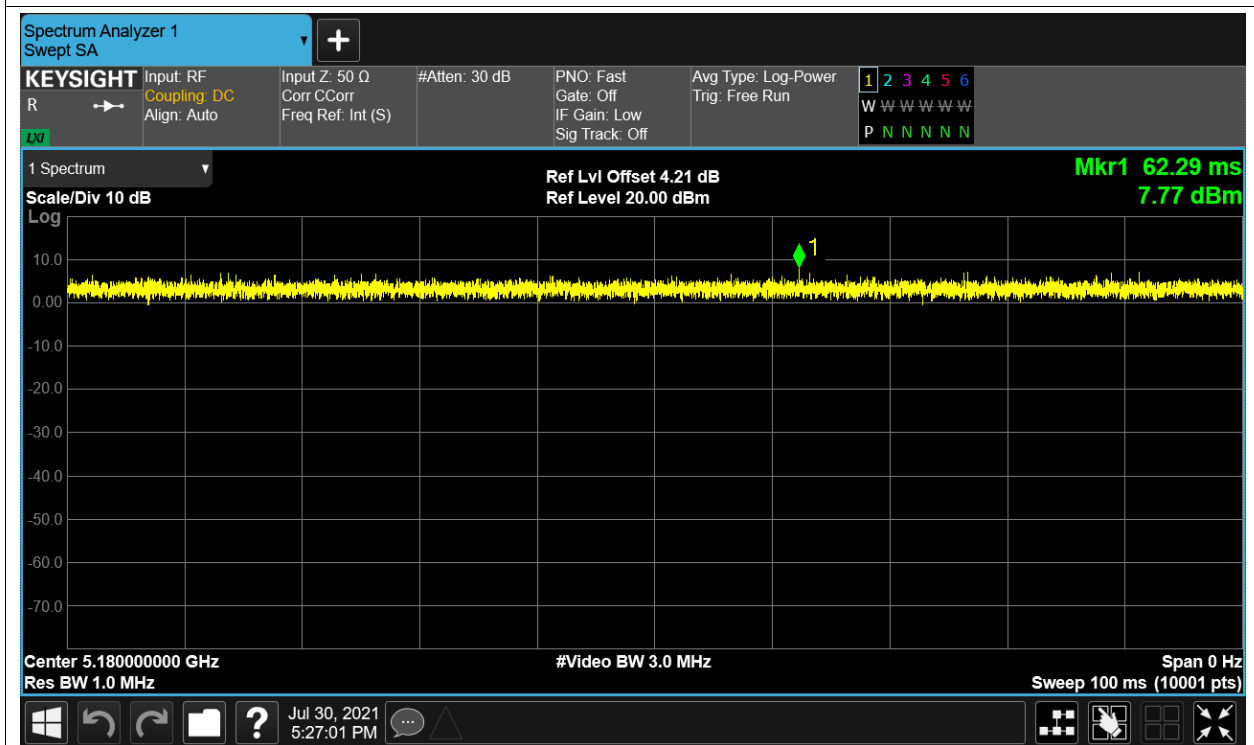
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	100	0
NVNT	a	5200	Ant1	100	0
NVNT	a	5240	Ant1	100	0
NVNT	ac20	5180	Ant1	100	0
NVNT	ac20	5200	Ant1	100	0
NVNT	ac20	5240	Ant1	100	0
NVNT	ac40	5190	Ant1	100	0
NVNT	ac40	5230	Ant1	100	0
NVNT	ac80	5210	Ant1	100	0
NVNT	n20	5180	Ant1	100	0
NVNT	n20	5200	Ant1	100	0
NVNT	n20	5240	Ant1	100	0
NVNT	n40	5190	Ant1	100	0
NVNT	n40	5230	Ant1	100	0

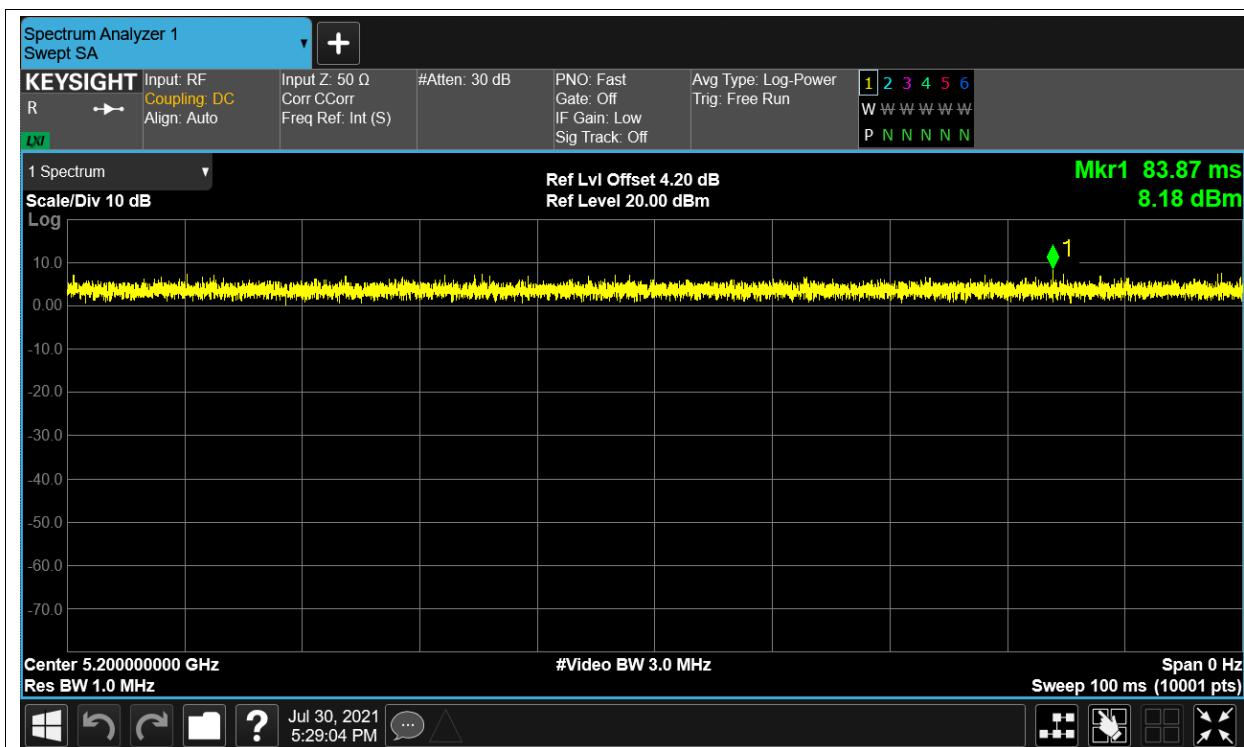




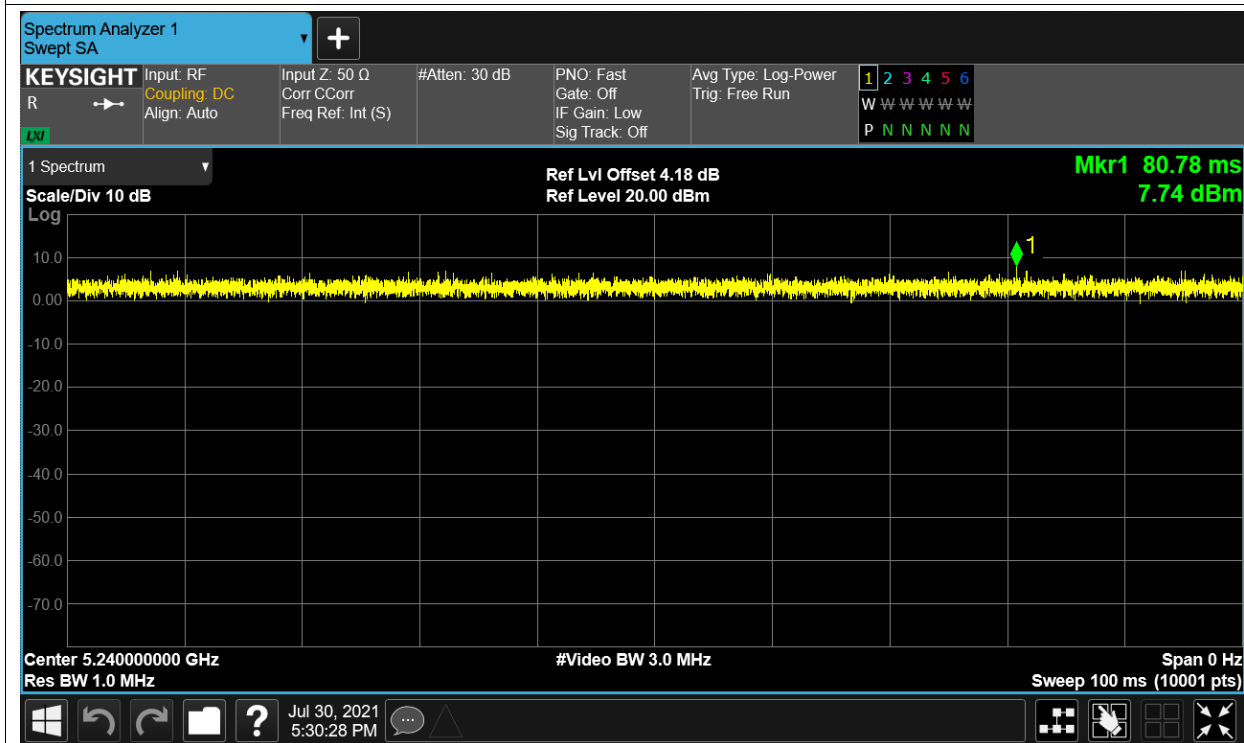
Duty Cycle NVNT ac20 5180MHz Ant1



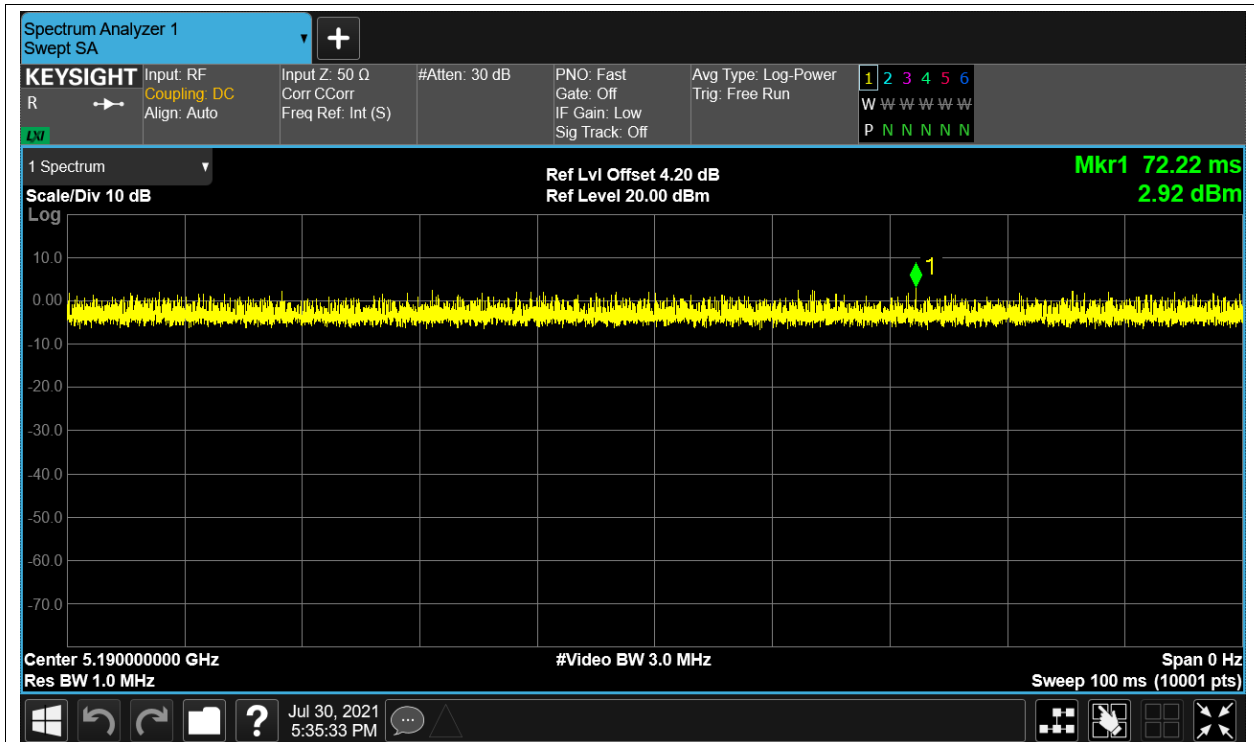
Duty Cycle NVNT ac20 5200MHz Ant1



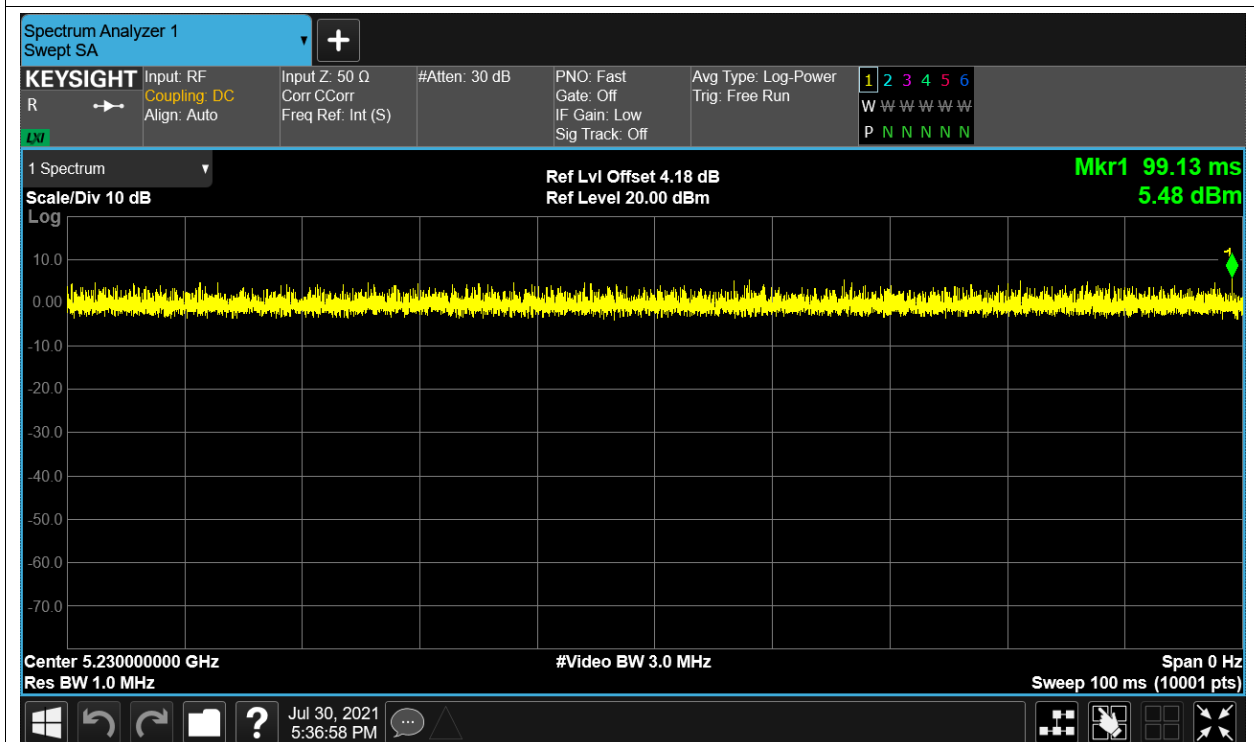
Duty Cycle NVNT ac20 5240MHz Ant1



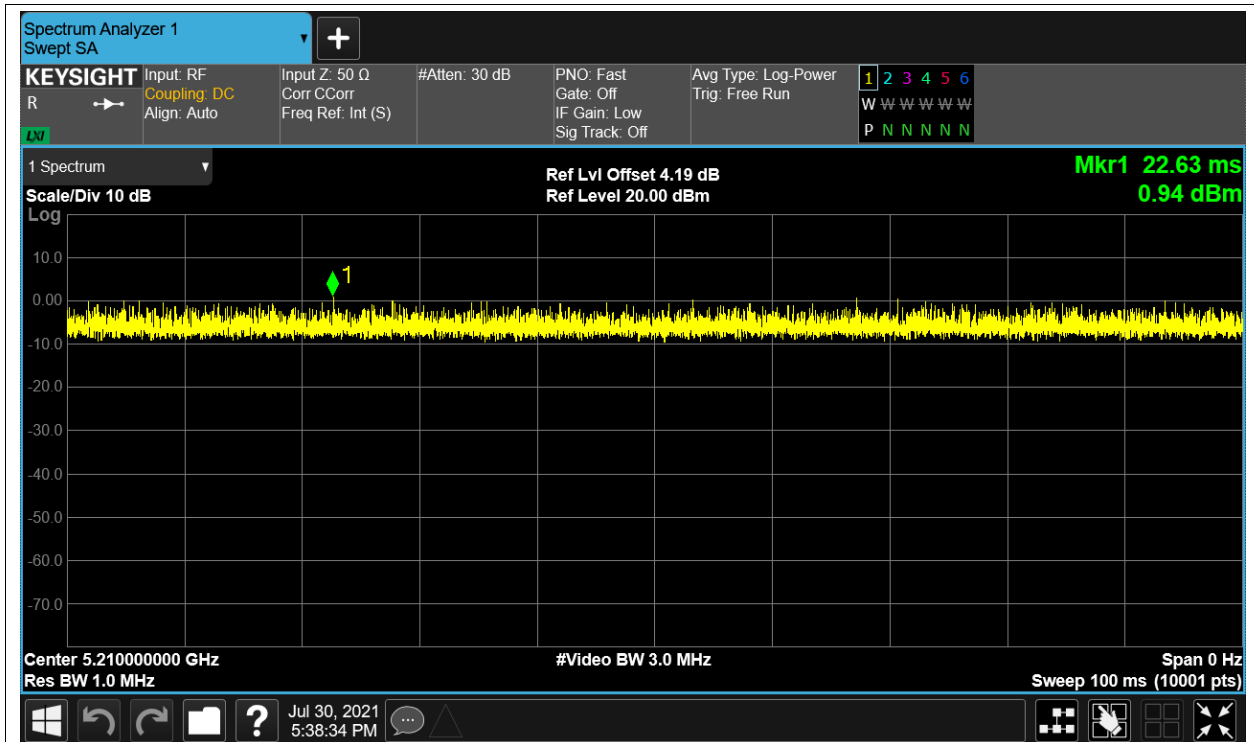
Duty Cycle NVNT ac40 5190MHz Ant1



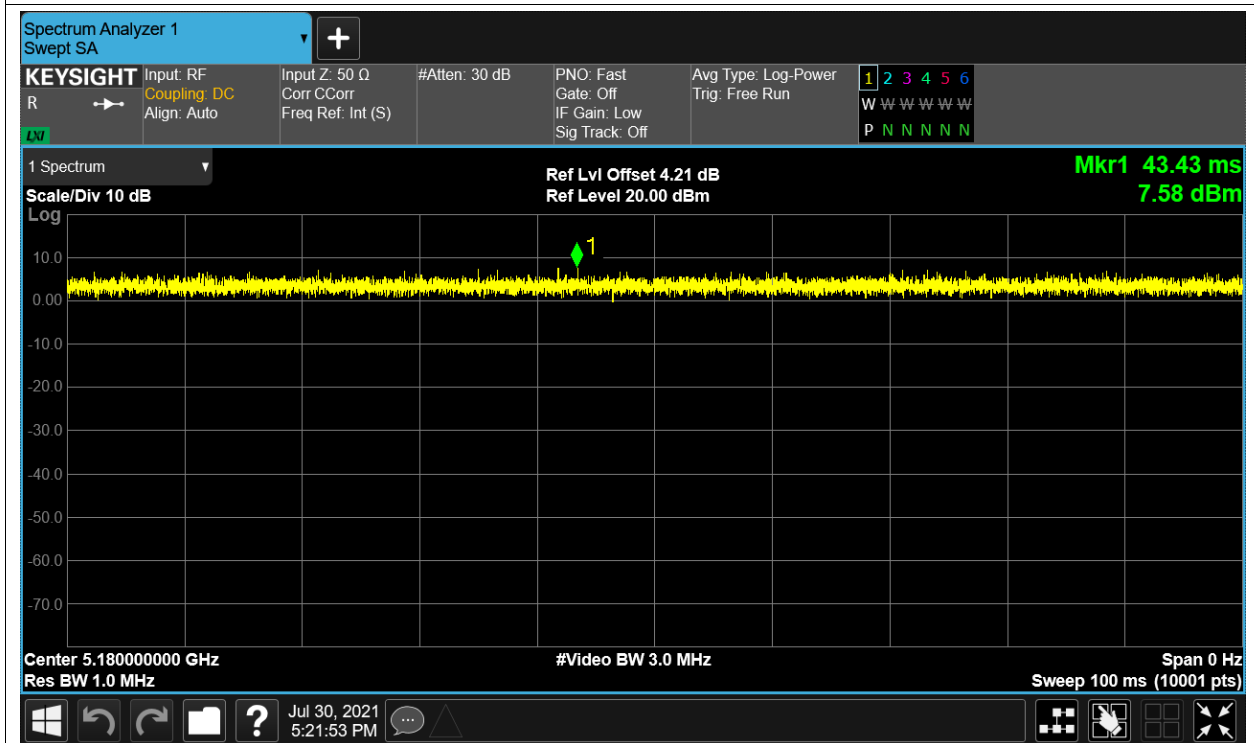
Duty Cycle NVNT ac40 5230MHz Ant1



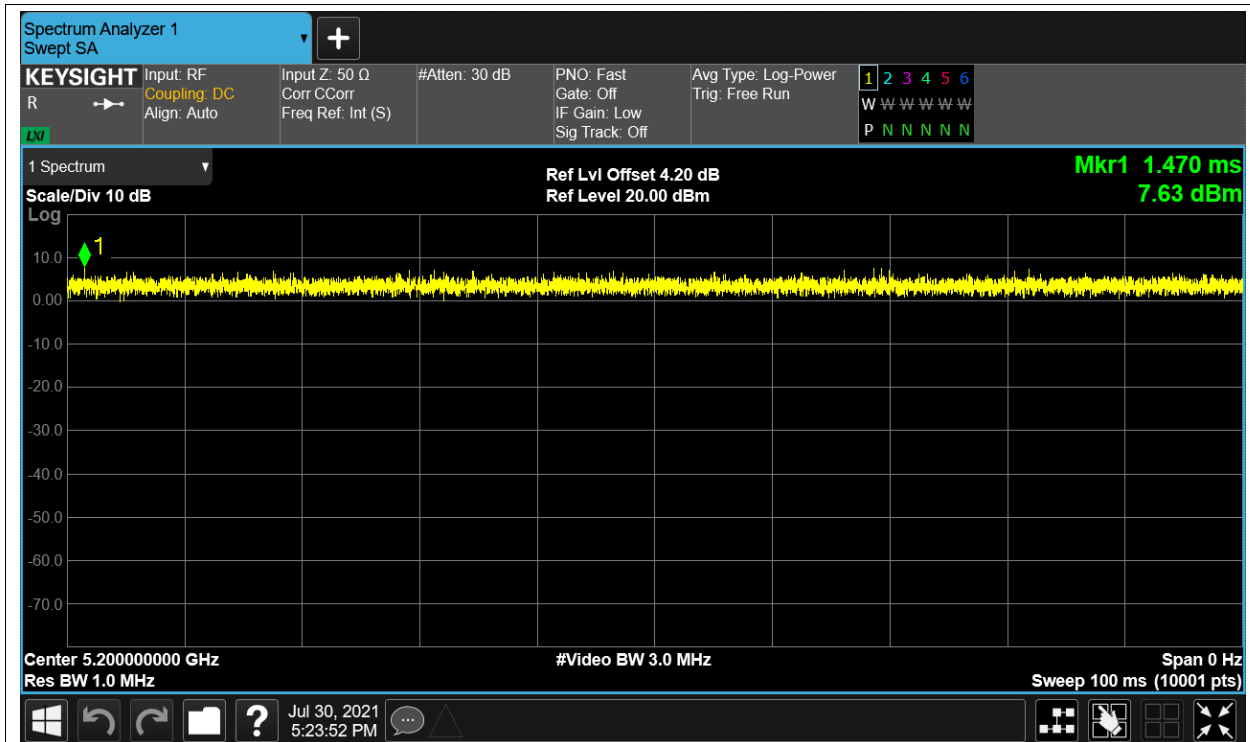
Duty Cycle NVNT ac80 5210MHz Ant1



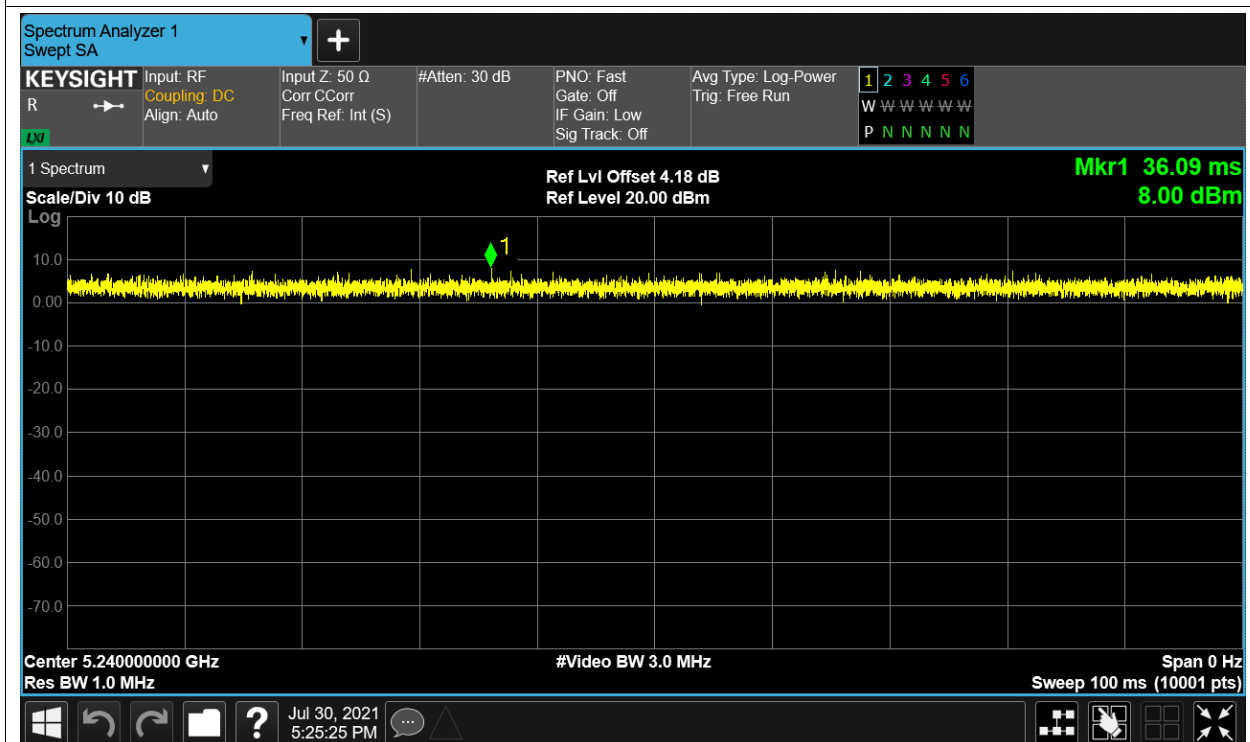
Duty Cycle NVNT n20 5180MHz Ant1



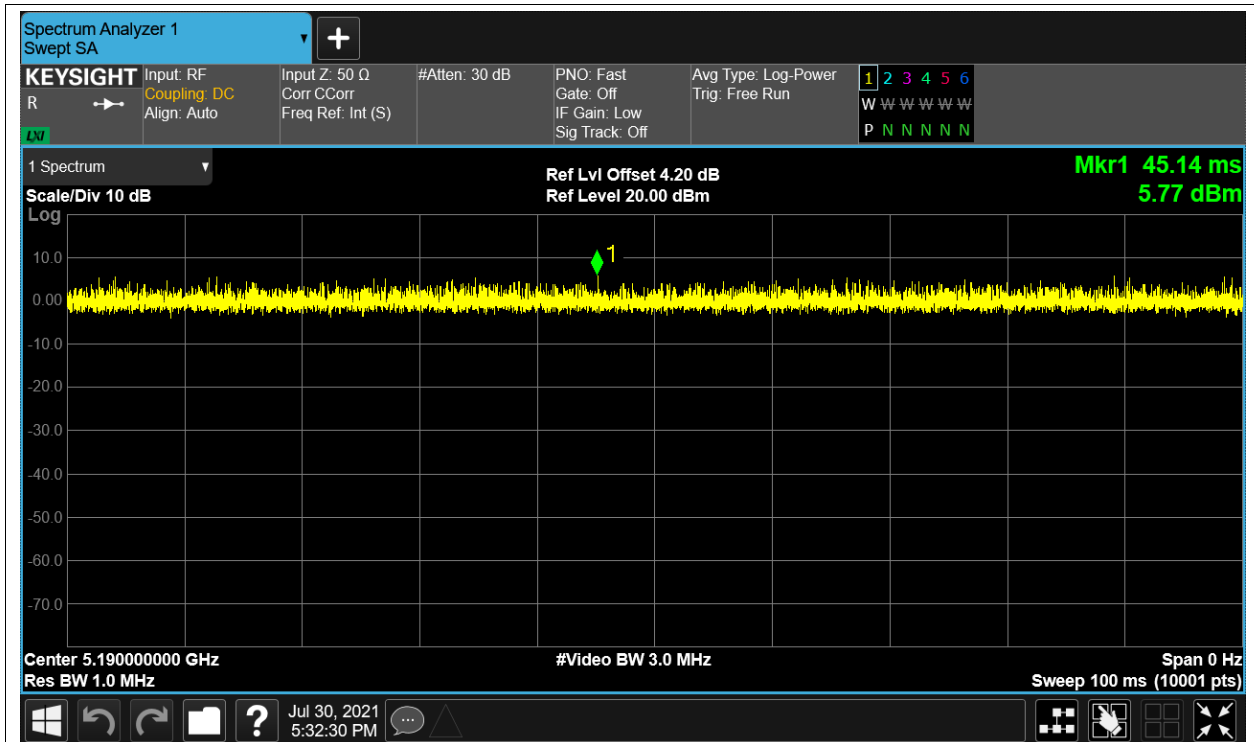
Duty Cycle NVNT n20 5200MHz Ant1



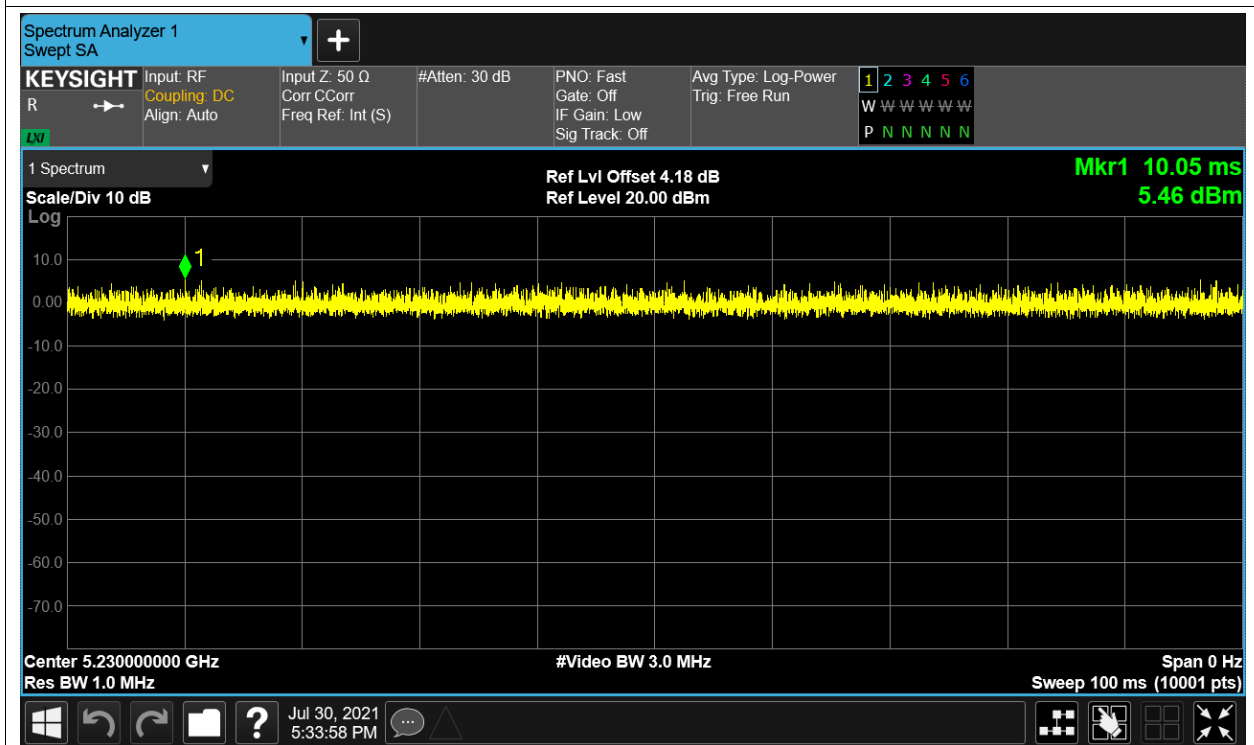
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1



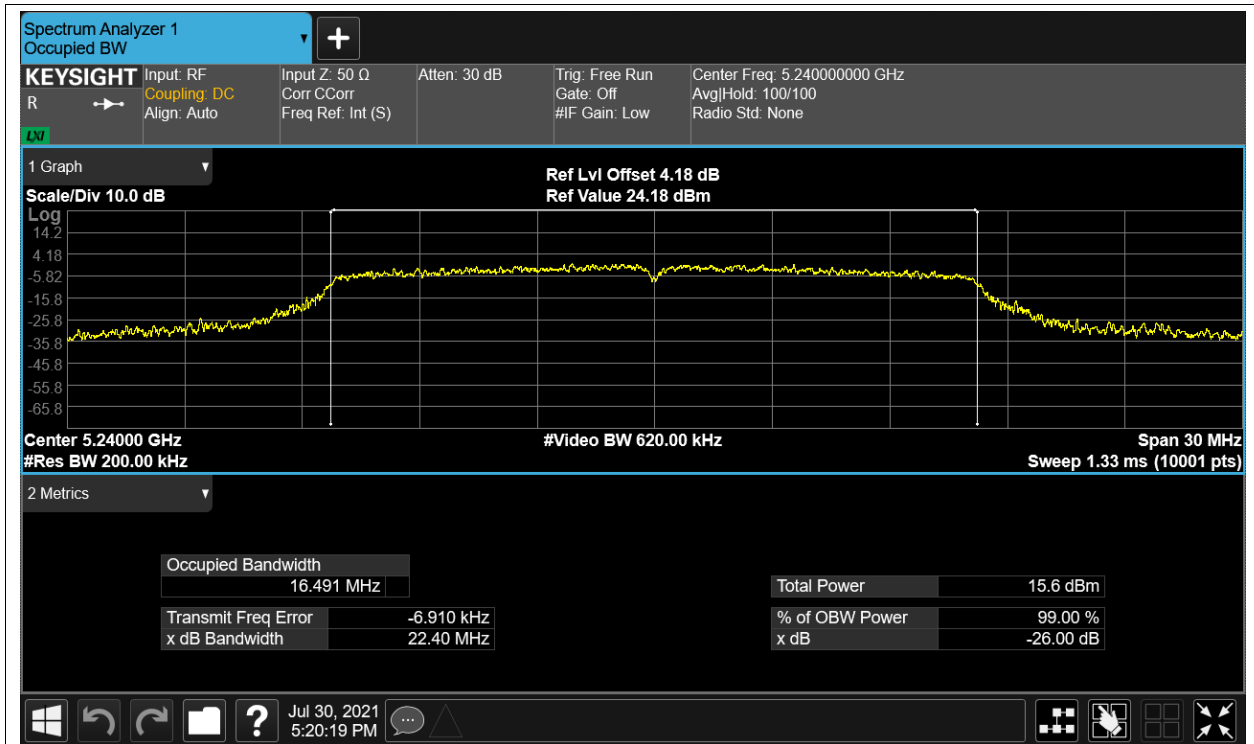
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	10.61	0	10.61	24	Pass
NVNT	a	5200	Ant1	10.65	0	10.65	24	Pass
NVNT	a	5240	Ant1	10.81	0	10.81	24	Pass
NVNT	ac20	5180	Ant1	10.1	0	10.1	24	Pass
NVNT	ac20	5200	Ant1	9.85	0	9.85	24	Pass
NVNT	ac20	5240	Ant1	10.37	0	10.37	24	Pass
NVNT	ac40	5190	Ant1	9.67	0	9.67	24	Pass
NVNT	ac40	5230	Ant1	12.73	0	12.73	24	Pass
NVNT	ac80	5210	Ant1	10.71	0	10.71	24	Pass
NVNT	n20	5180	Ant1	10.36	0	10.36	24	Pass
NVNT	n20	5200	Ant1	9.7	0	9.7	24	Pass
NVNT	n20	5240	Ant1	10.75	0	10.75	24	Pass
NVNT	n40	5190	Ant1	12.77	0	12.77	24	Pass
NVNT	n40	5230	Ant1	12.72	0	12.72	24	Pass

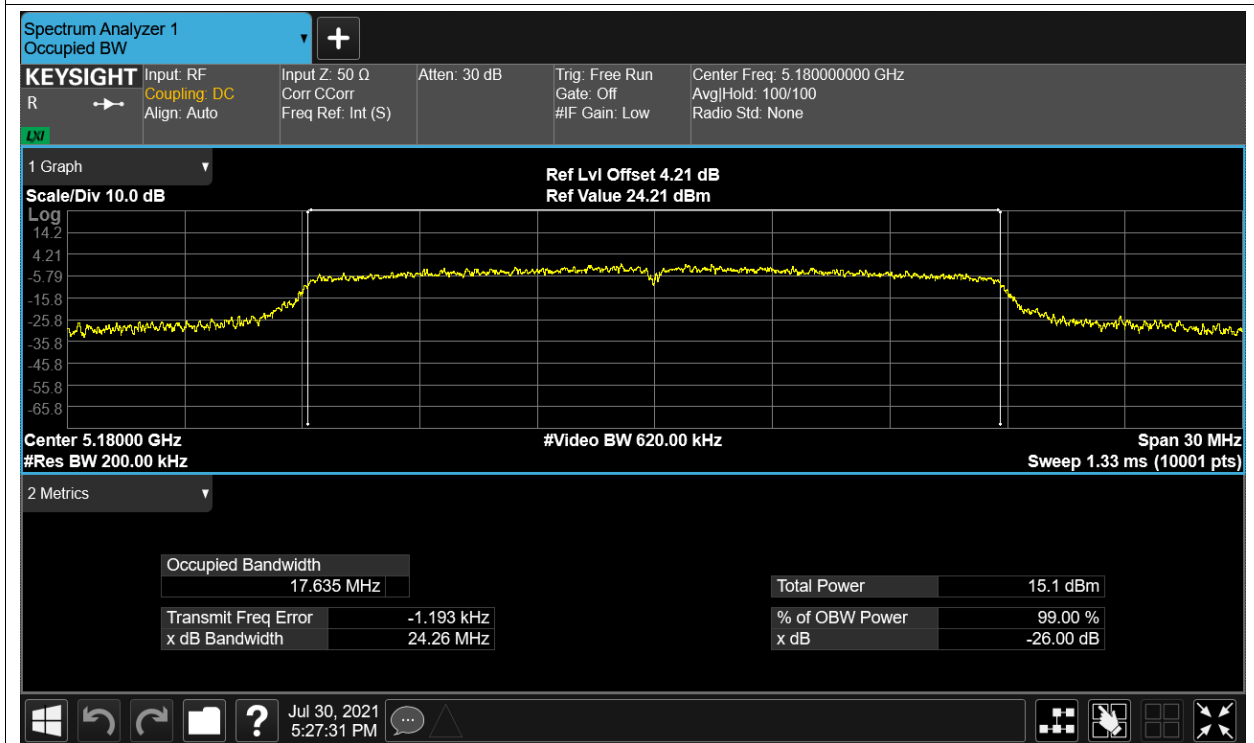
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.52870001
NVNT	a	5200	Ant1	16.56901934
NVNT	a	5240	Ant1	16.49126951
NVNT	ac20	5180	Ant1	17.63545231
NVNT	ac20	5200	Ant1	17.65513579
NVNT	ac20	5240	Ant1	17.627002
NVNT	ac40	5190	Ant1	36.04684103
NVNT	ac40	5230	Ant1	36.28298773
NVNT	ac80	5210	Ant1	75.81936717
NVNT	n20	5180	Ant1	17.6879178
NVNT	n20	5200	Ant1	17.65611097
NVNT	n20	5240	Ant1	17.63964229
NVNT	n40	5190	Ant1	36.50080112
NVNT	n40	5230	Ant1	36.20883836

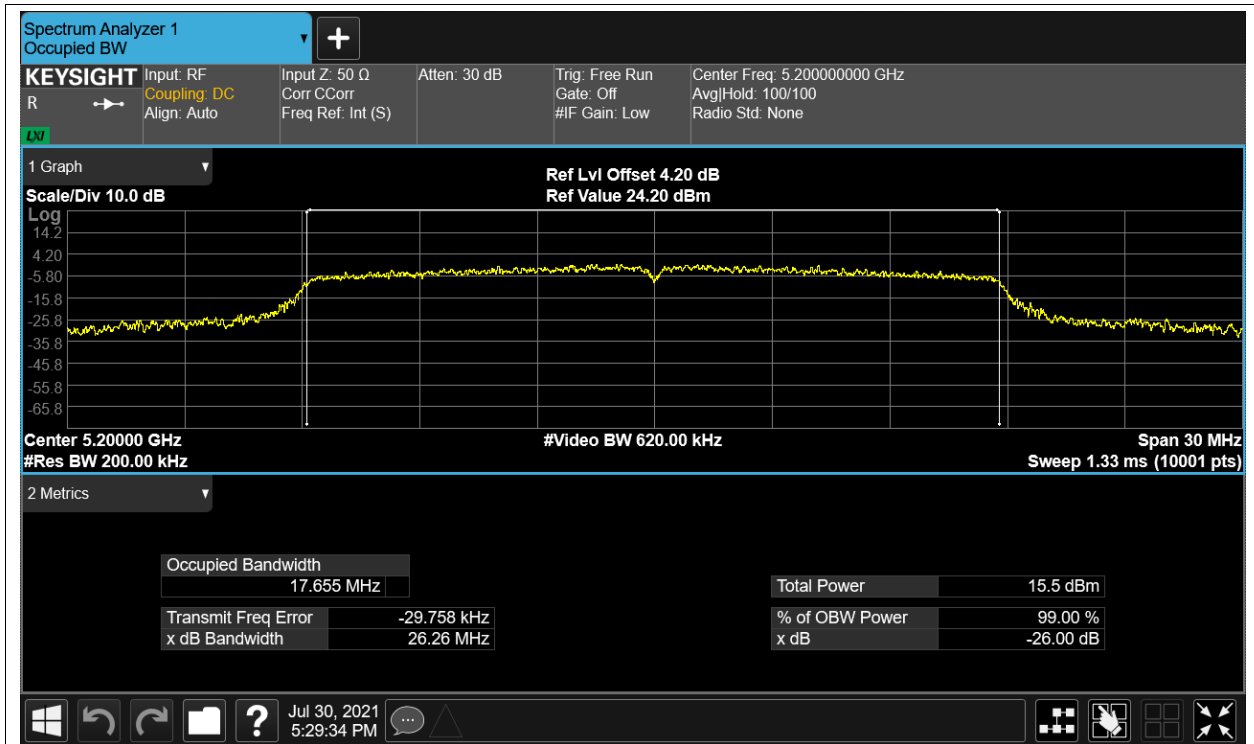




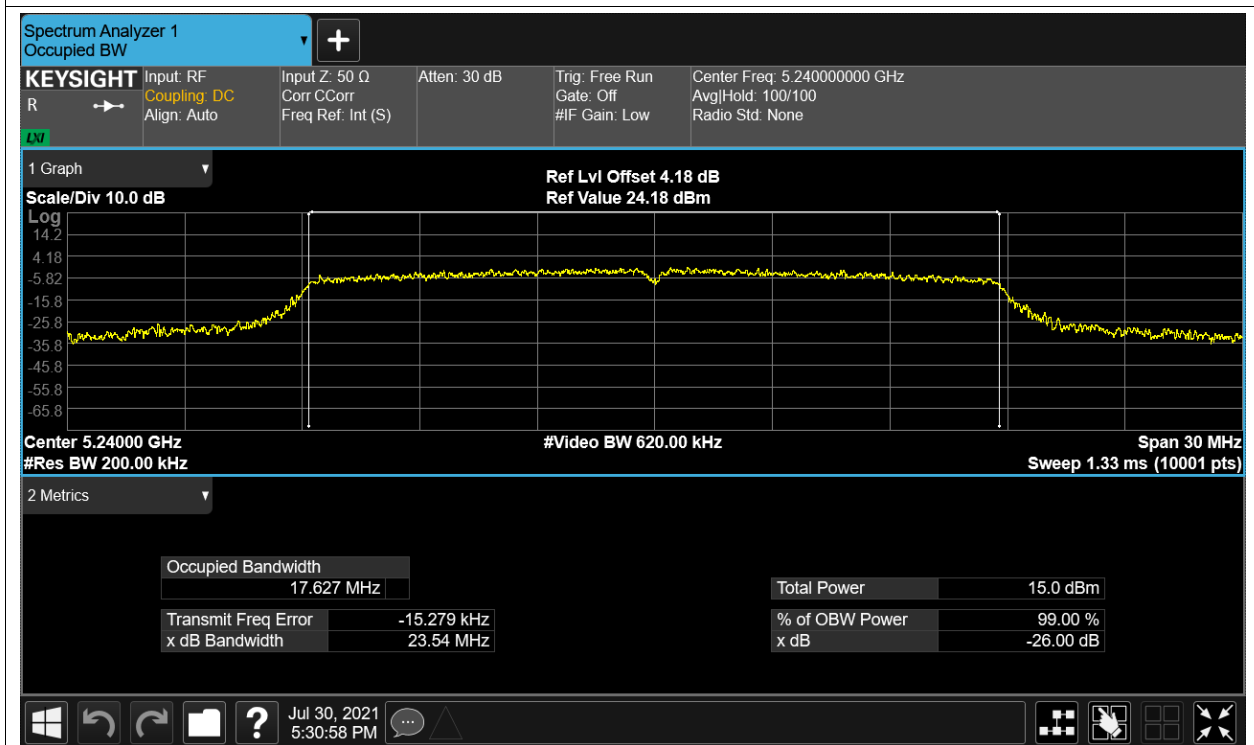
OBW NVNT ac20 5180MHz Ant1



OBW NVNT ac20 5200MHz Ant1



OBW NVNT ac20 5240MHz Ant1



OBW NVNT ac40 5190MHz Ant1



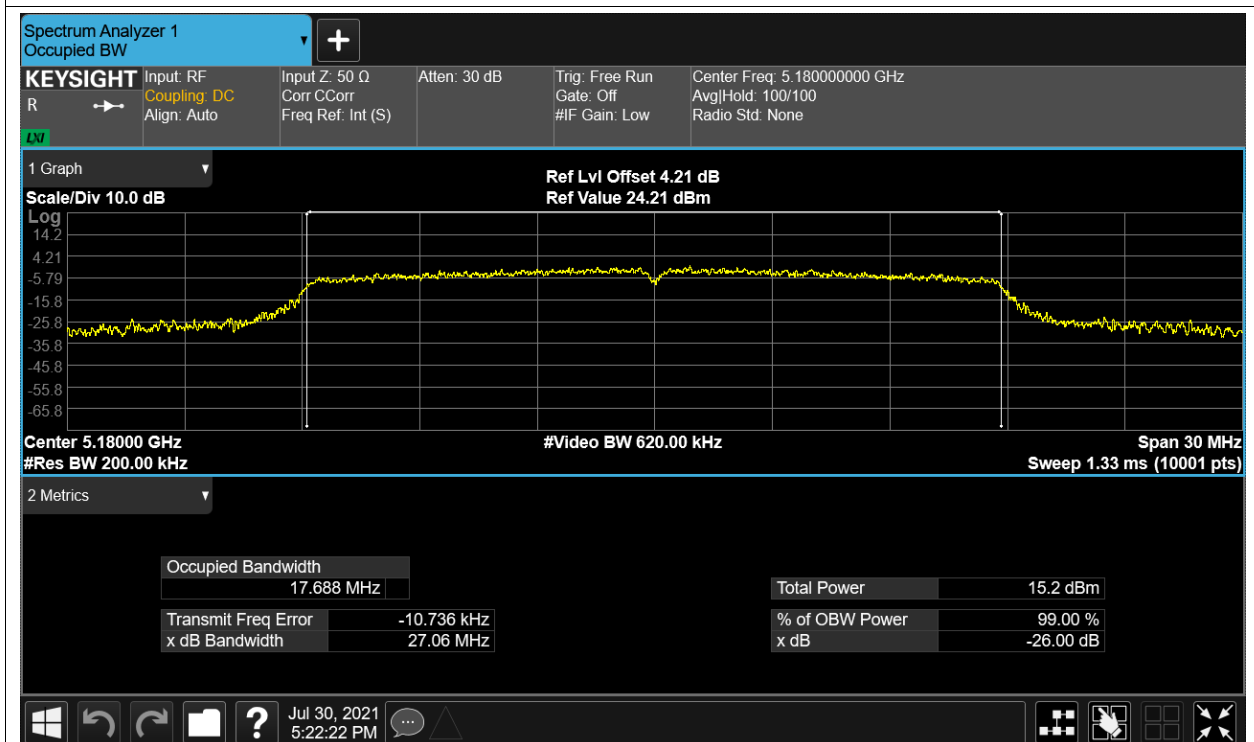
OBW NVNT ac40 5230MHz Ant1



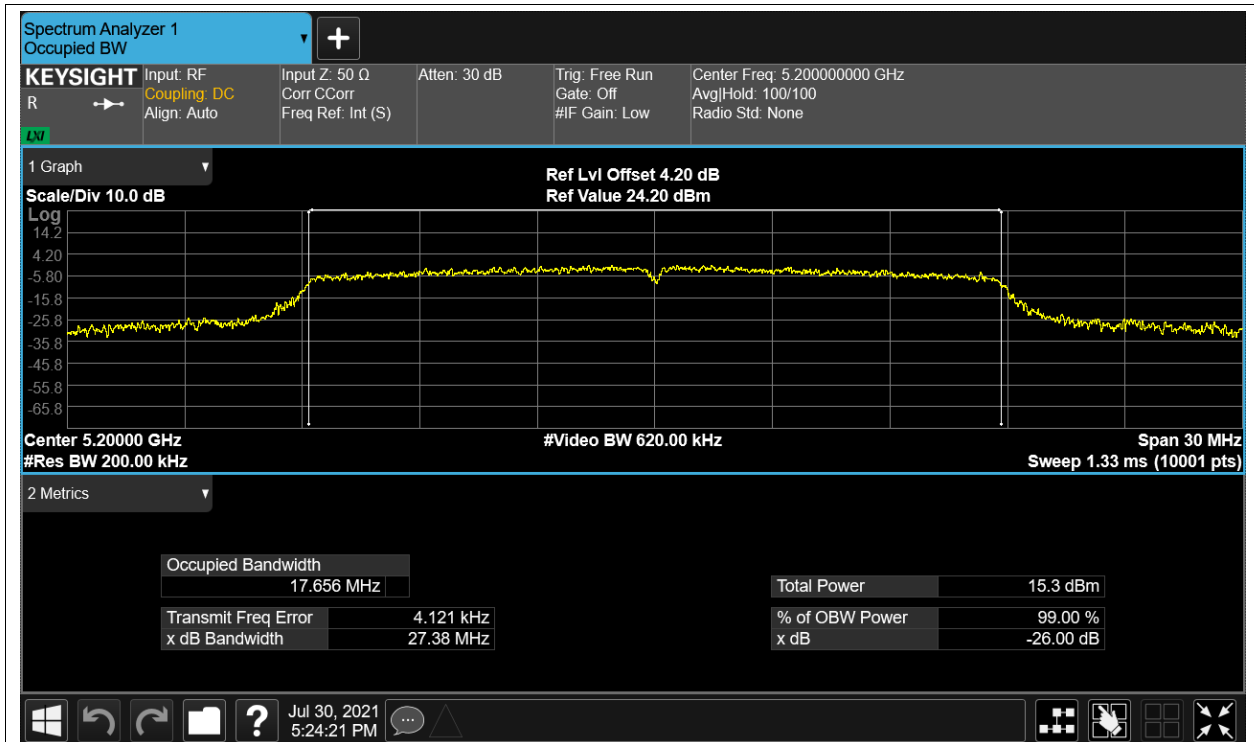
OBW NVNT ac80 5210MHz Ant1



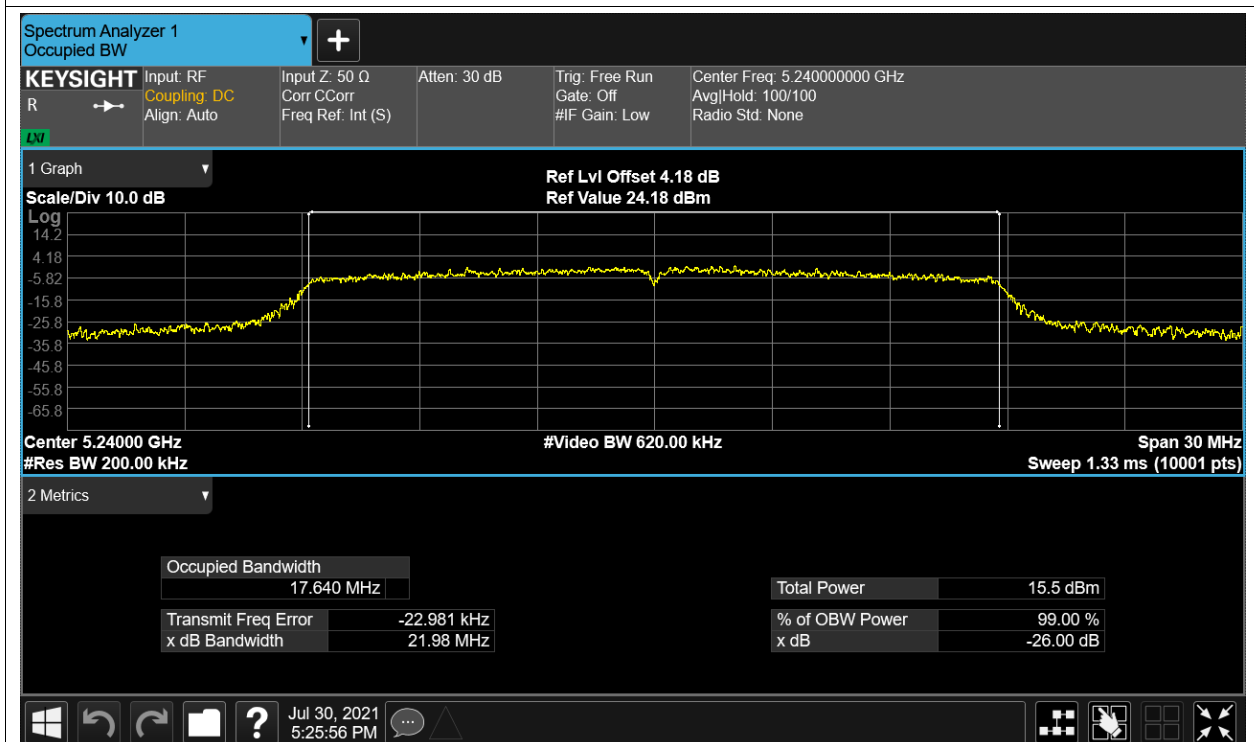
OBW NVNT n20 5180MHz Ant1



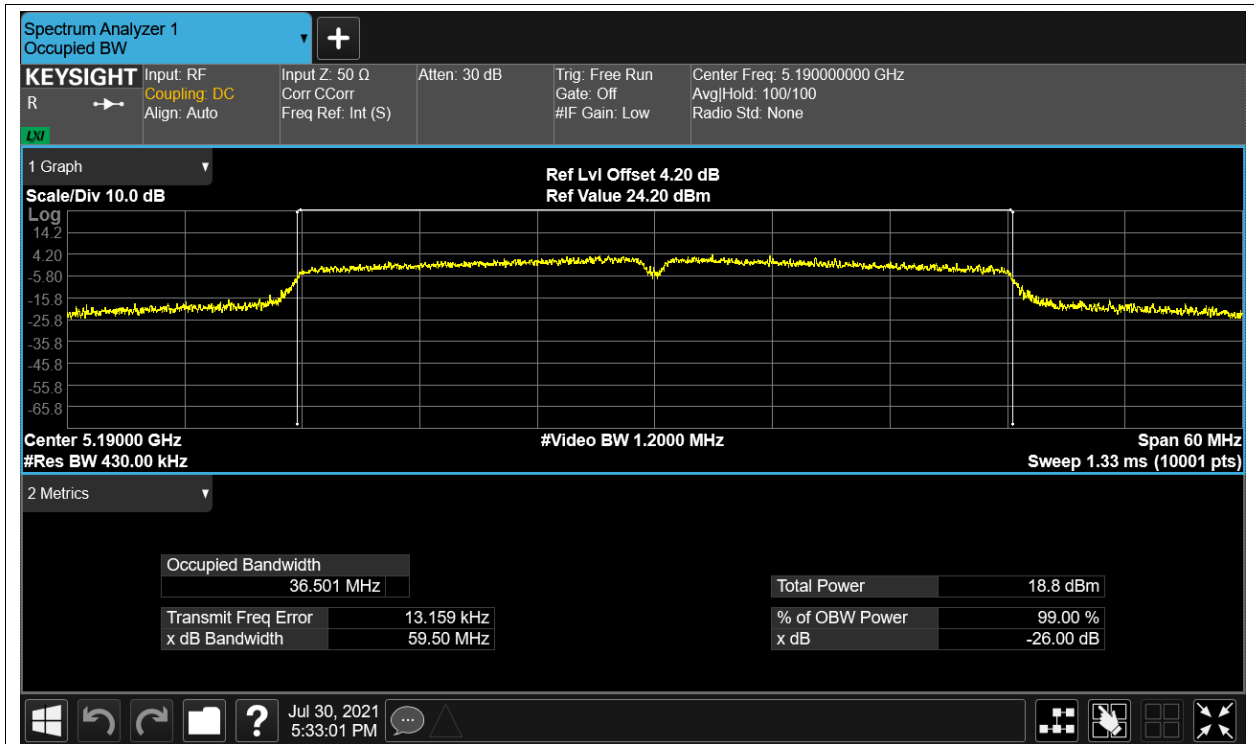
OBW NVNT n20 5200MHz Ant1



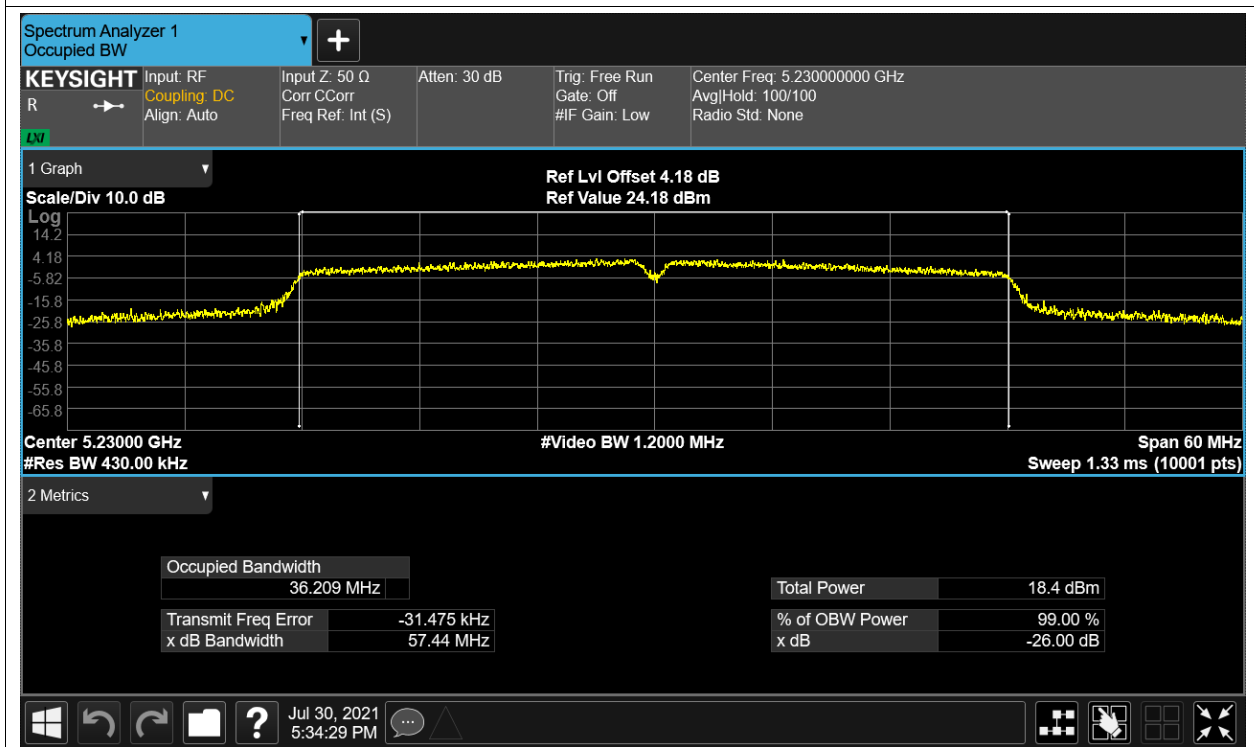
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1

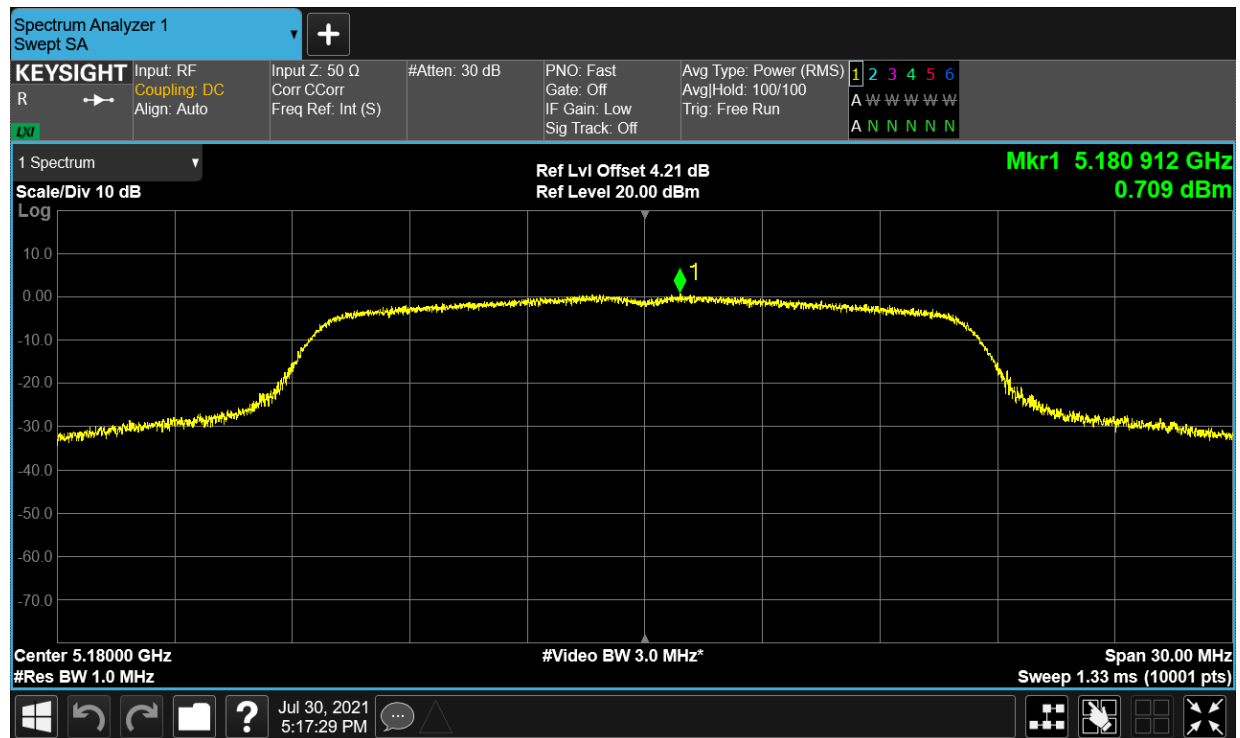


Maximum Power Spectral Density Level

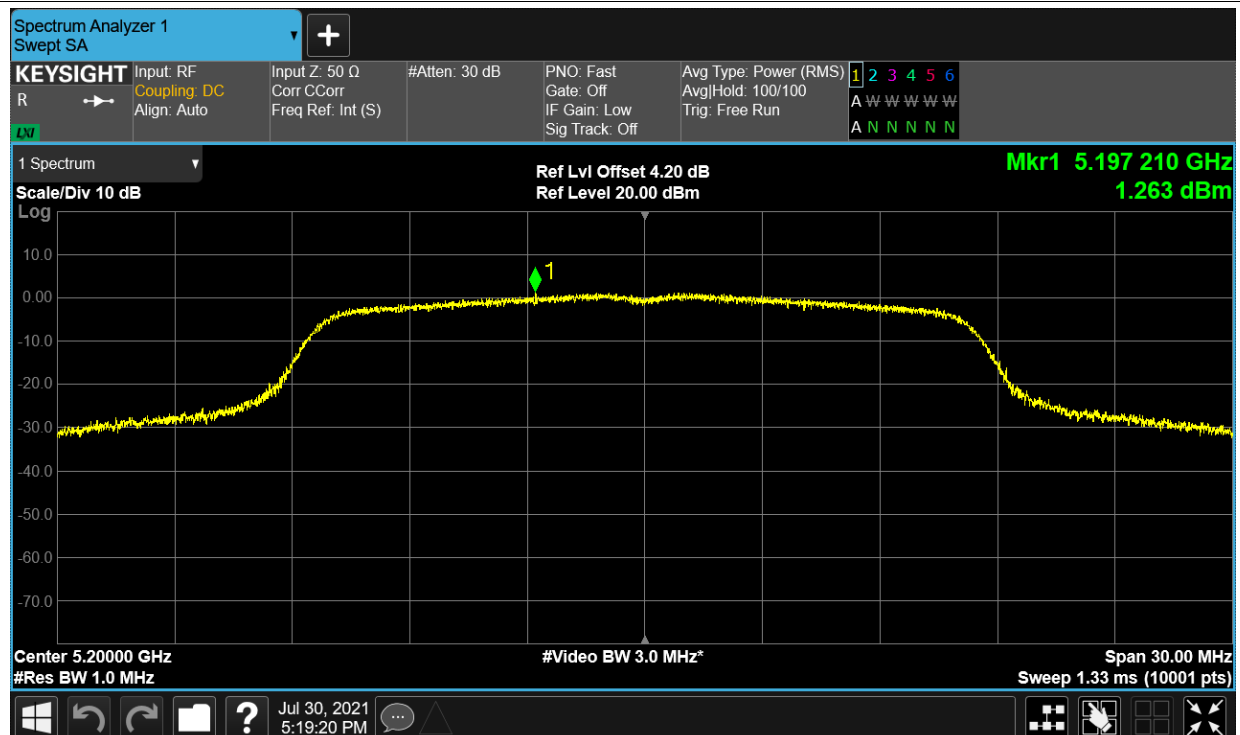
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	0.709	11	Pass
NVNT	a	5200	Ant1	1.263	11	Pass
NVNT	a	5240	Ant1	0.662	11	Pass
NVNT	ac20	5180	Ant1	0.288	11	Pass
NVNT	ac20	5200	Ant1	0.288	11	Pass
NVNT	ac20	5240	Ant1	-0.21	11	Pass
NVNT	ac40	5190	Ant1	-2.394	11	Pass
NVNT	ac40	5230	Ant1	0.04	11	Pass
NVNT	ac80	5210	Ant1	-5.216	11	Pass
NVNT	n20	5180	Ant1	0.419	11	Pass
NVNT	n20	5200	Ant1	0.332	11	Pass
NVNT	n20	5240	Ant1	0.507	11	Pass
NVNT	n40	5190	Ant1	0.36	11	Pass
NVNT	n40	5230	Ant1	0.553	11	Pass

Test Graphs

PSD NVNT a 5180MHz Ant1



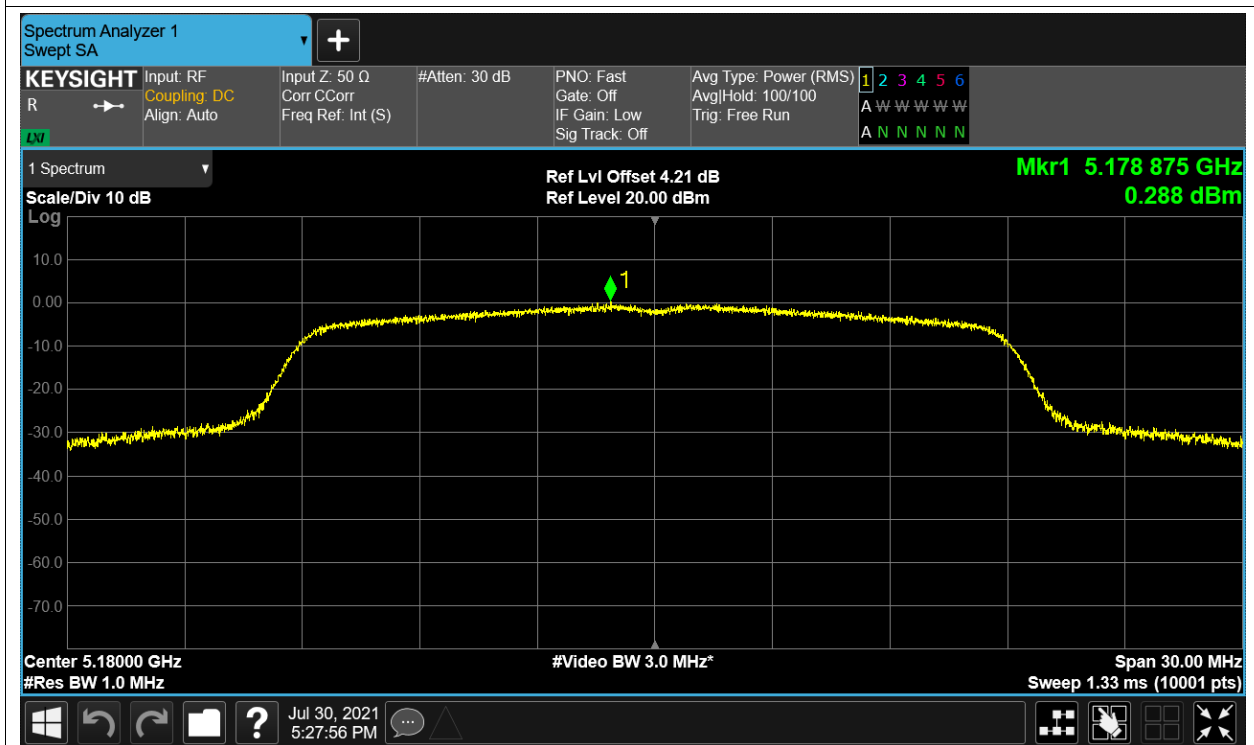
PSD NVNT a 5200MHz Ant1



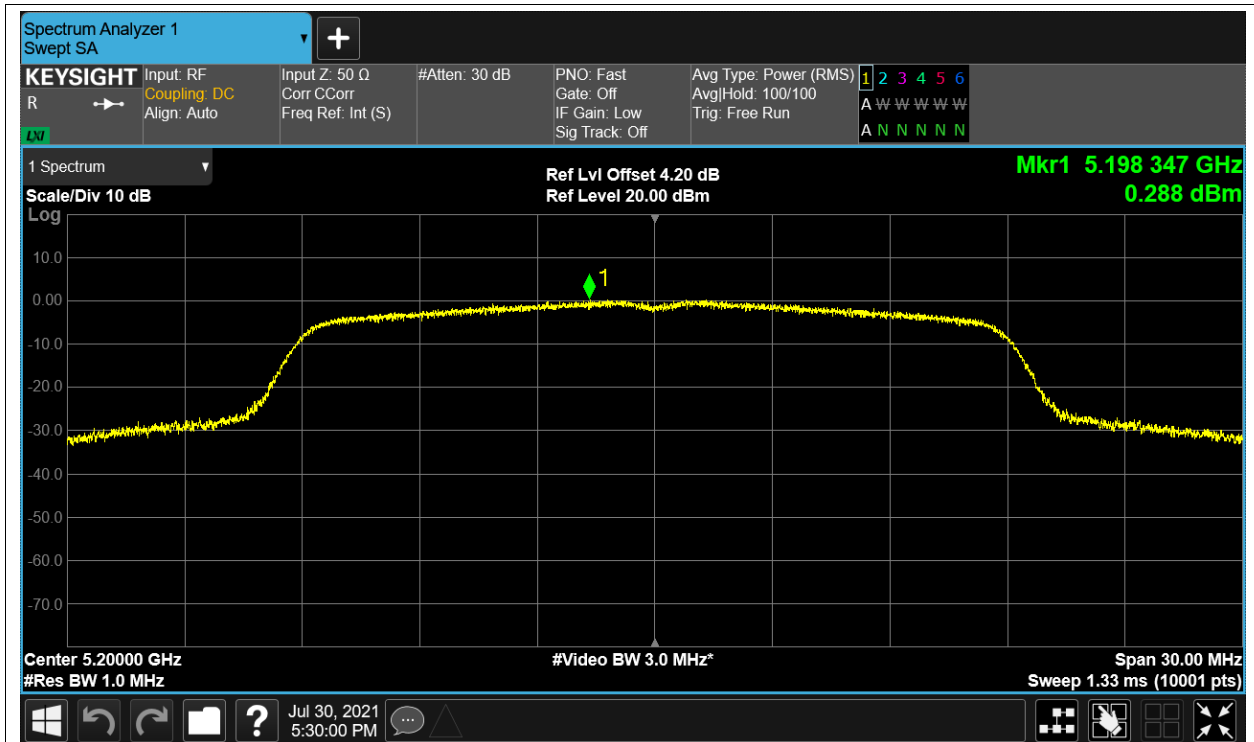
PSD NVNT a 5240MHz Ant1



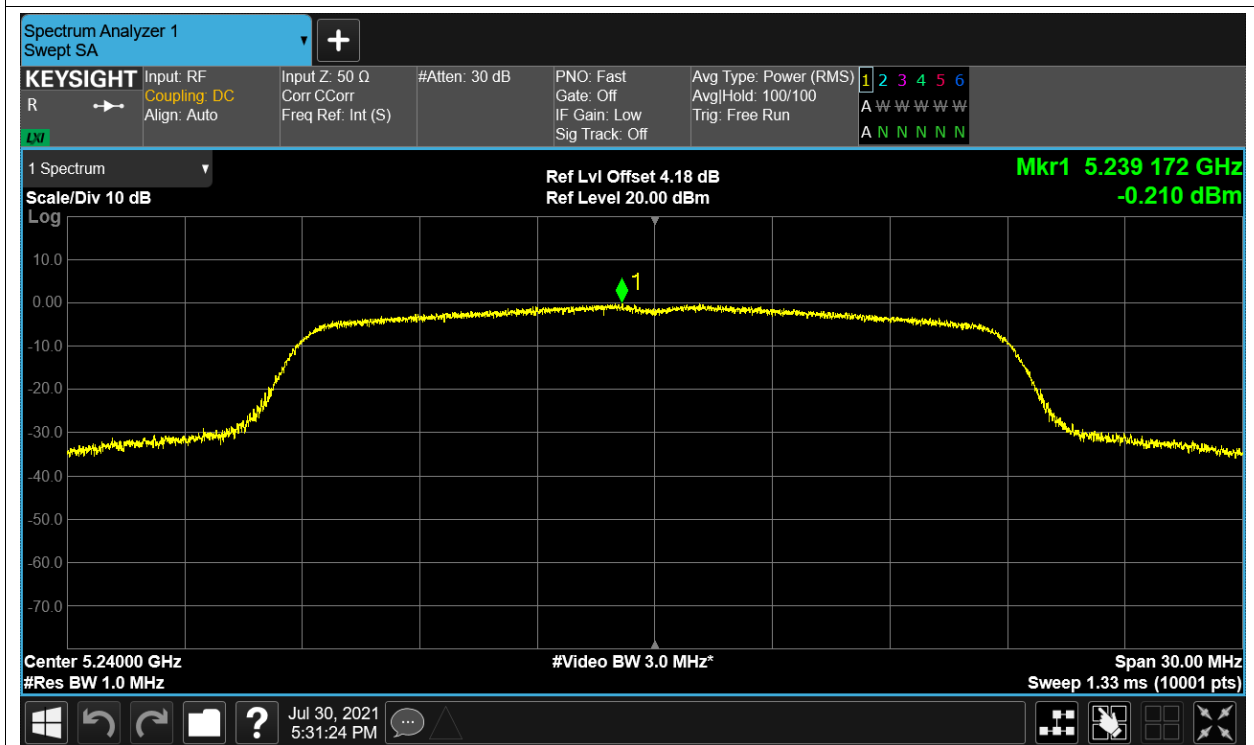
PSD NVNT ac20 5180MHz Ant1



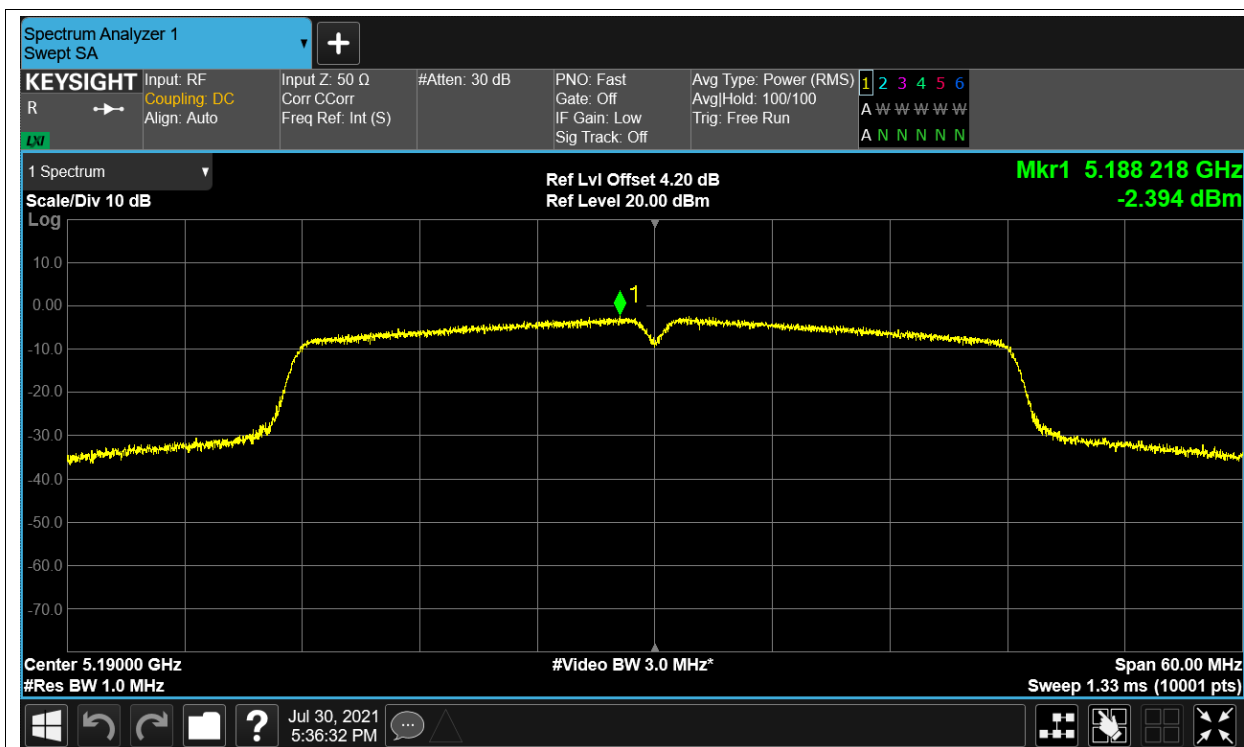
PSD NVNT ac20 5200MHz Ant1



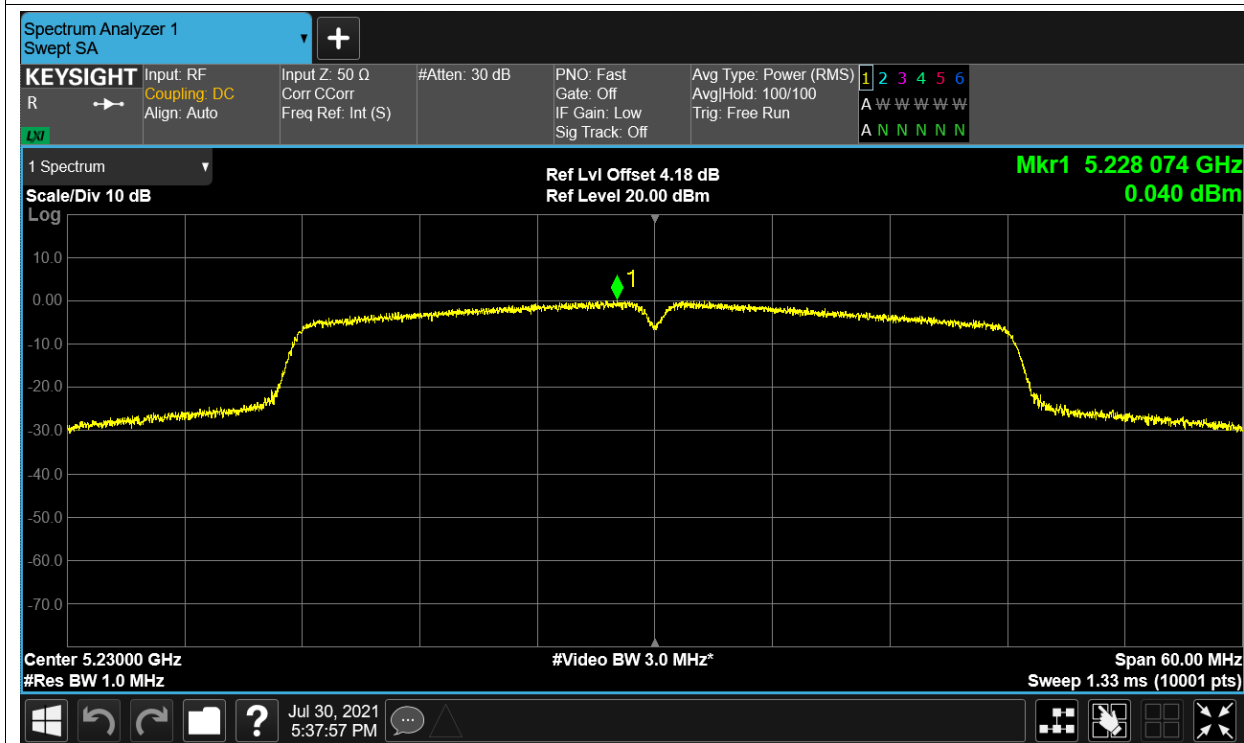
PSD NVNT ac20 5240MHz Ant1



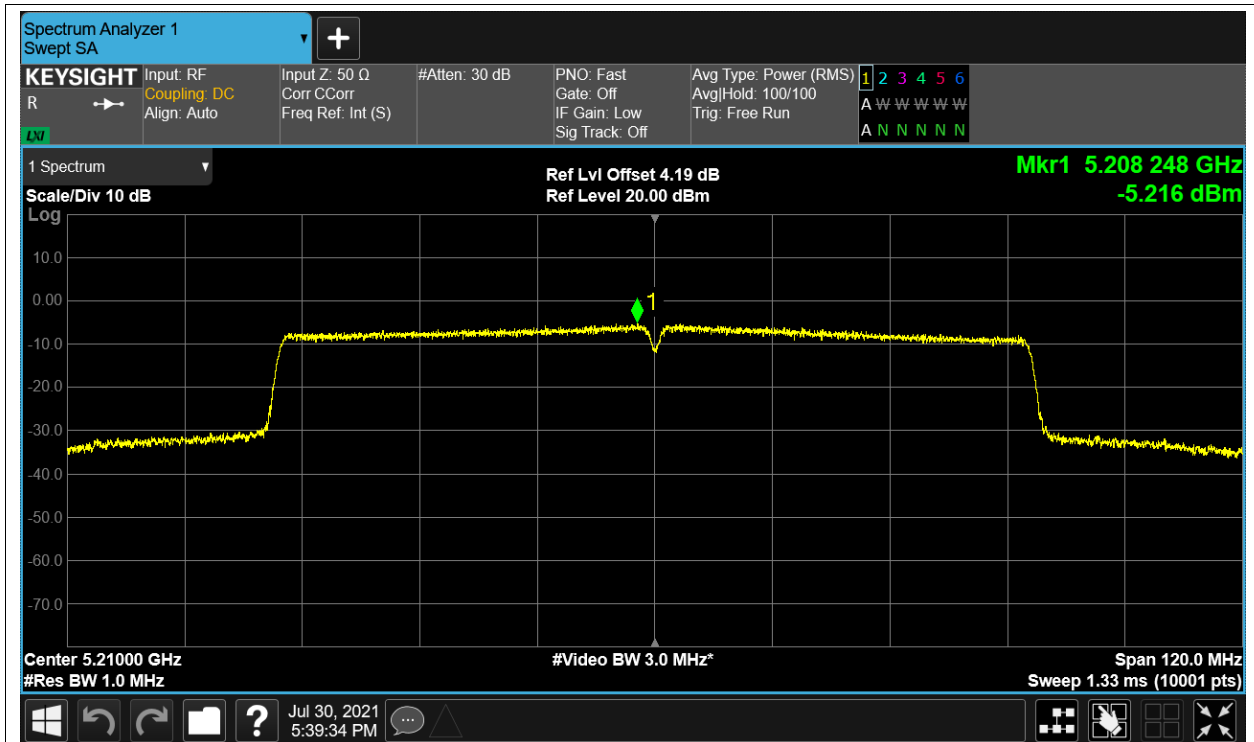
PSD NVNT ac40 5190MHz Ant1



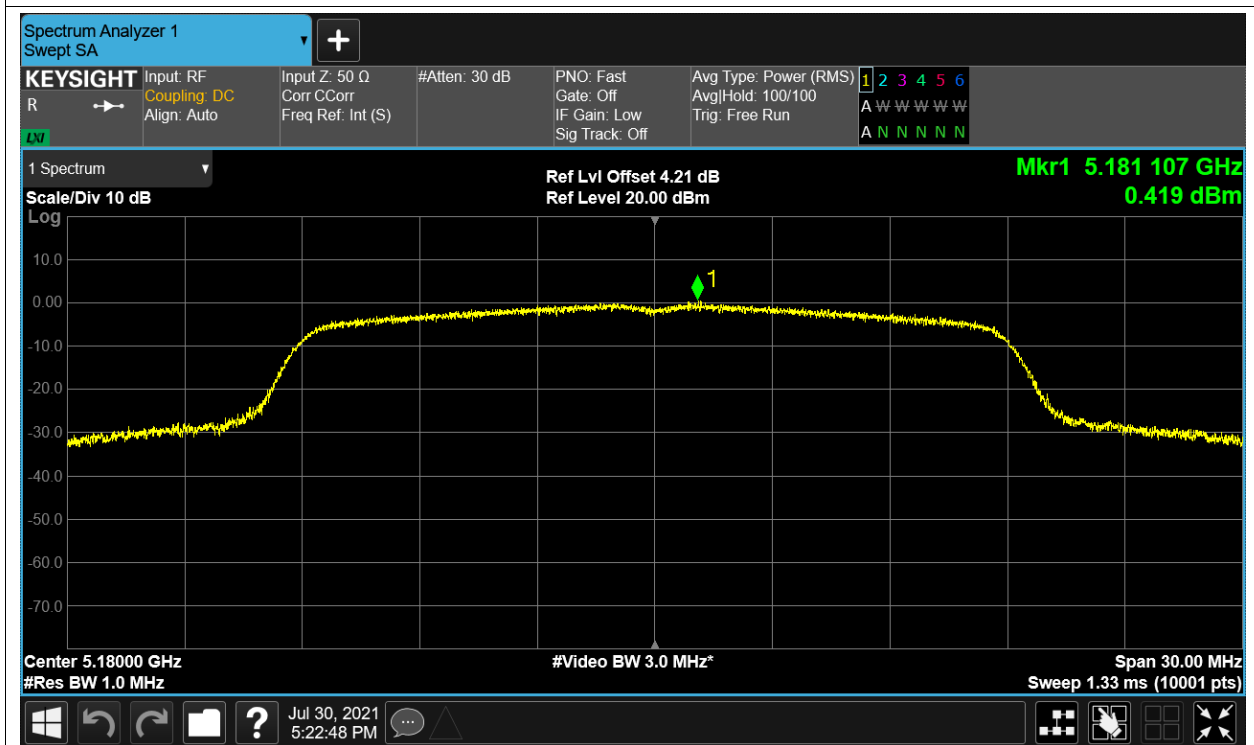
PSD NVNT ac40 5230MHz Ant1



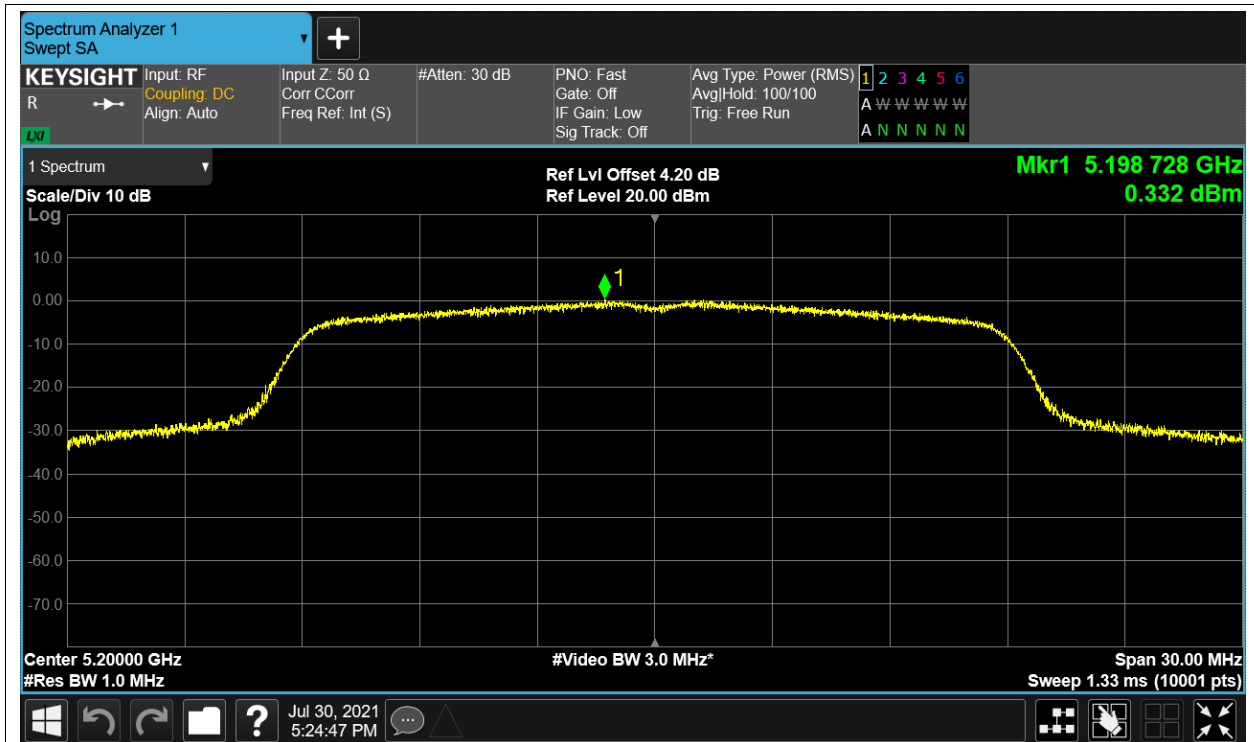
PSD NVNT ac80 5210MHz Ant1



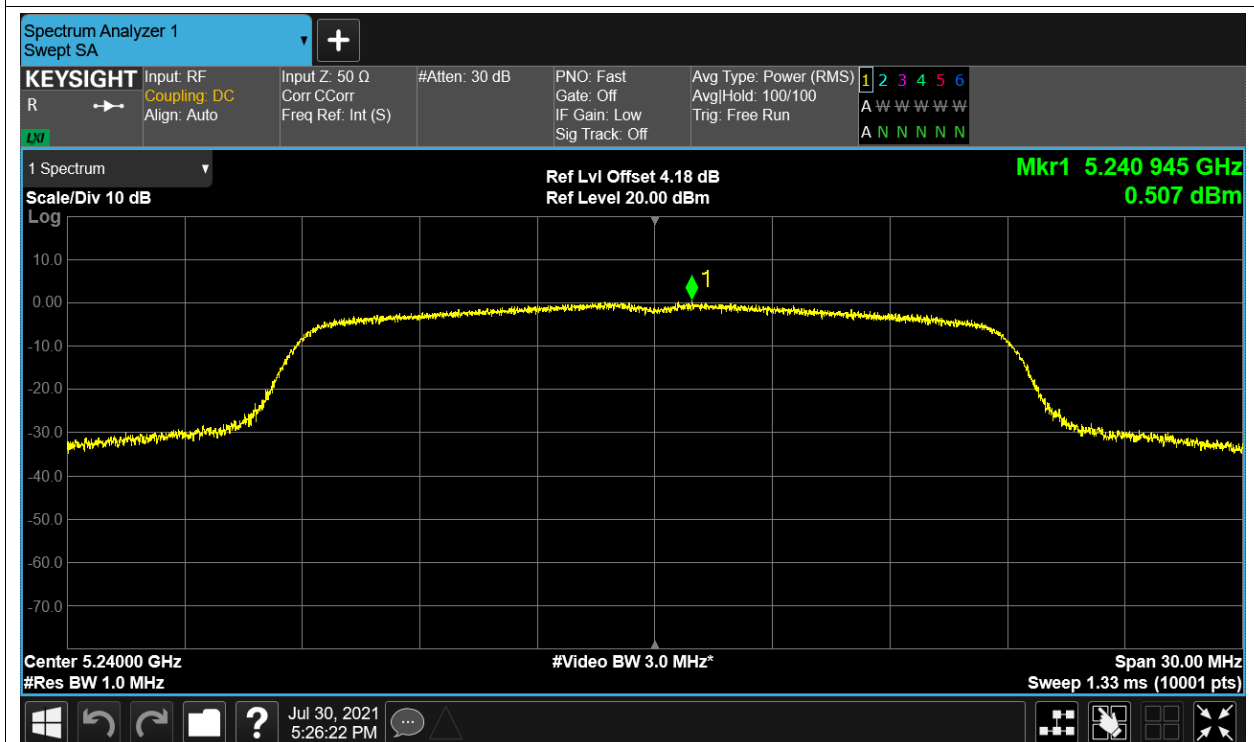
PSD NVNT n20 5180MHz Ant1



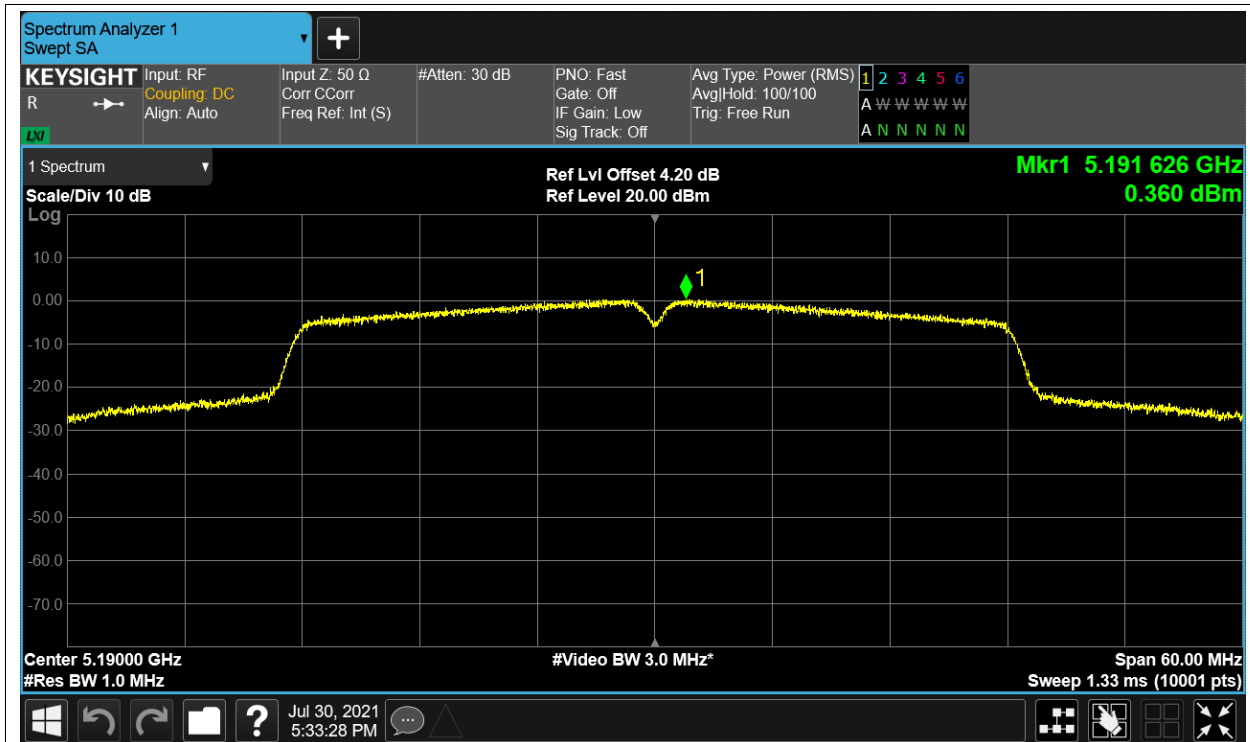
PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

