

Test Data

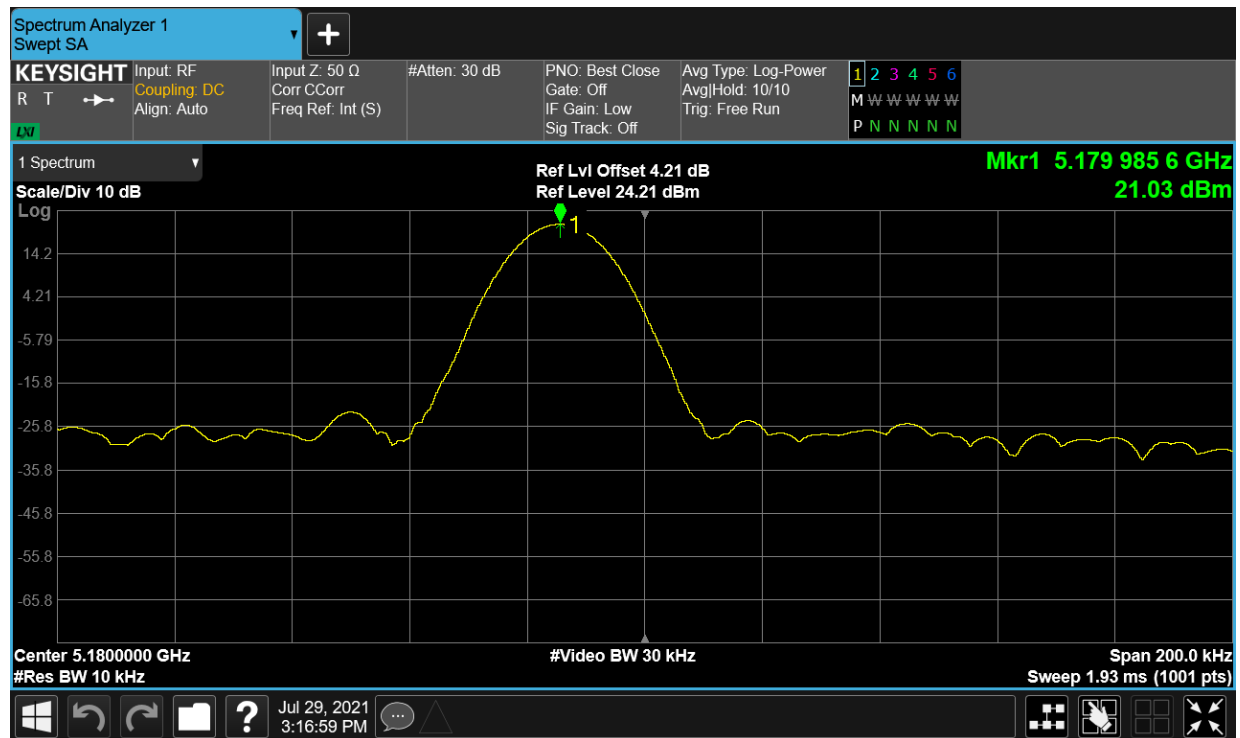
Frequency Stability(worst case mode)

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVHT	a	5180	Ant1	5179.9856	-2.78	25	Pass
HVLT	a	5180	Ant1	5179.9856	-2.78	25	Pass
LVHT	a	5180	Ant1	5179.9858	-2.74	25	Pass
LVLT	a	5180	Ant1	5179.9858	-2.74	25	Pass
NVNT	a	5180	Ant1	5179.9862	-2.66	25	Pass
HVHT	ac80	5210	Ant1	5209.985	-2.88	25	Pass
HVLT	ac80	5210	Ant1	5209.9852	-2.84	25	Pass
LVHT	ac80	5210	Ant1	5209.9854	-2.8	25	Pass
LVLT	ac80	5210	Ant1	5209.9856	-2.76	25	Pass
NVNT	ac80	5210	Ant1	5209.9856	-2.76	25	Pass
HVHT	n40	5190	Ant1	5189.9848	-2.93	25	Pass
HVLT	n40	5190	Ant1	5189.9848	-2.93	25	Pass
LVHT	n40	5190	Ant1	5189.9848	-2.93	25	Pass
LVLT	n40	5190	Ant1	5189.985	-2.89	25	Pass
NVNT	n40	5190	Ant1	5189.985	-2.89	25	Pass

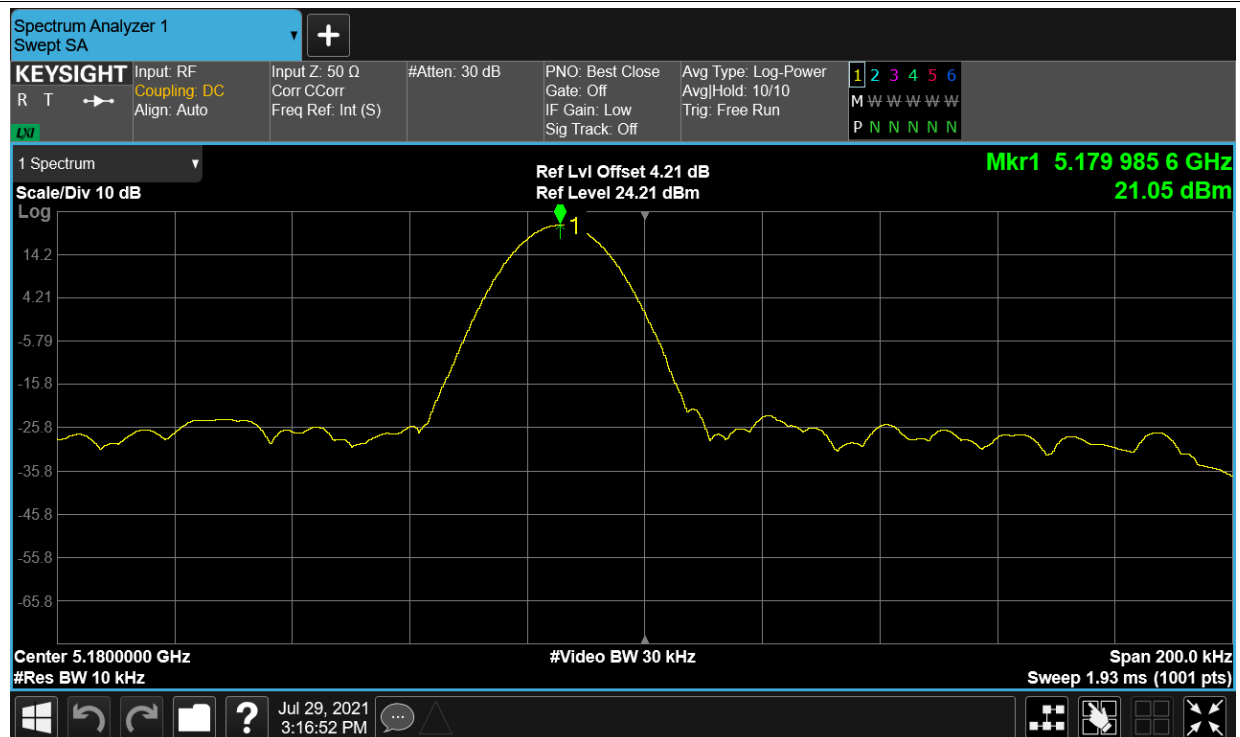
Remark: "NTNV" means Normal Temperature Normal Voltage, "LTLV" means Low Temperature Low Voltage, "LTHV" means Low Temperature High Voltage, "HTLV" means High Temperature Low Voltage, "HTHV" means High Temperature High Voltage.

Test Graphs

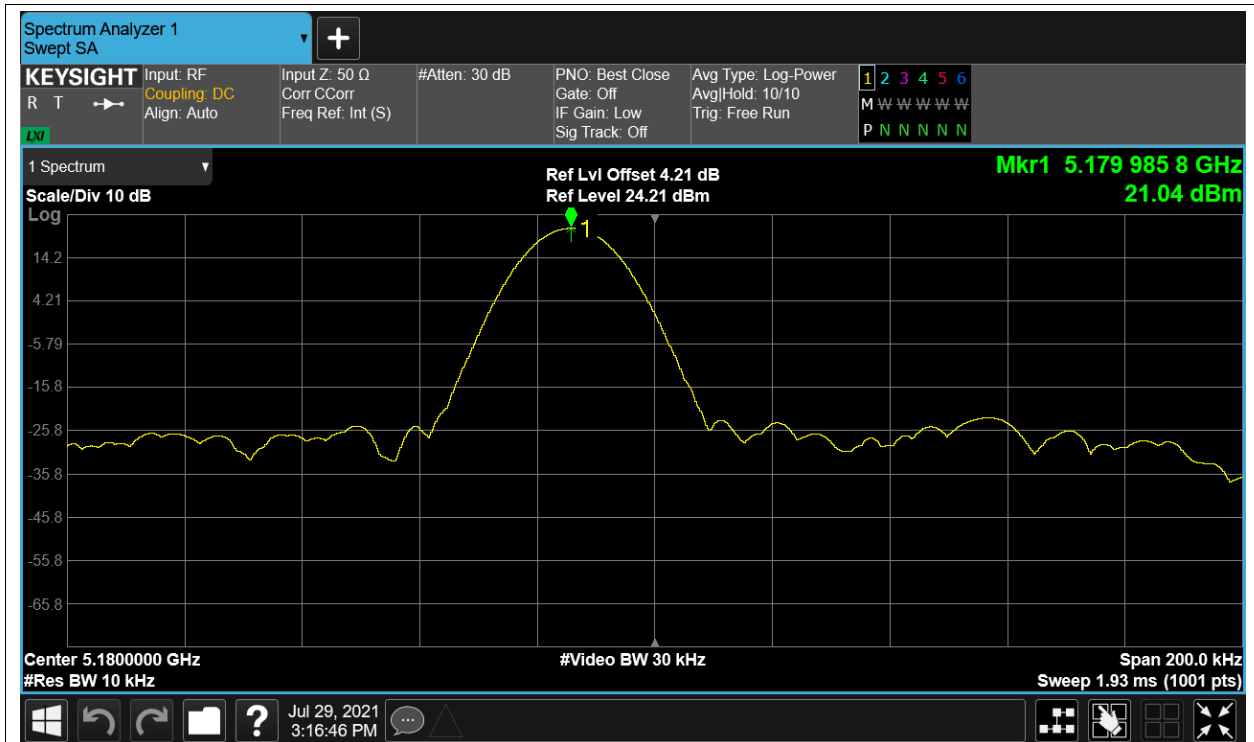
Freq. Stability HVHT a 5180MHz Ant1



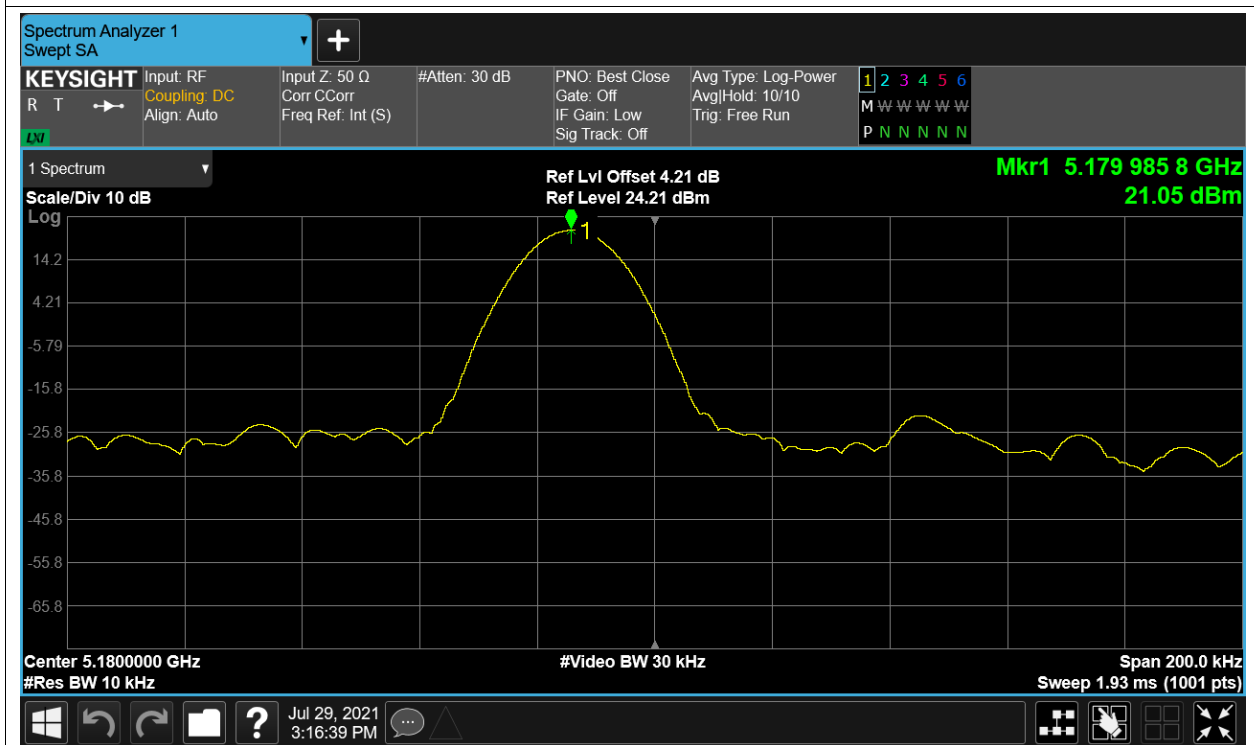
Freq. Stability HVLT a 5180MHz Ant1



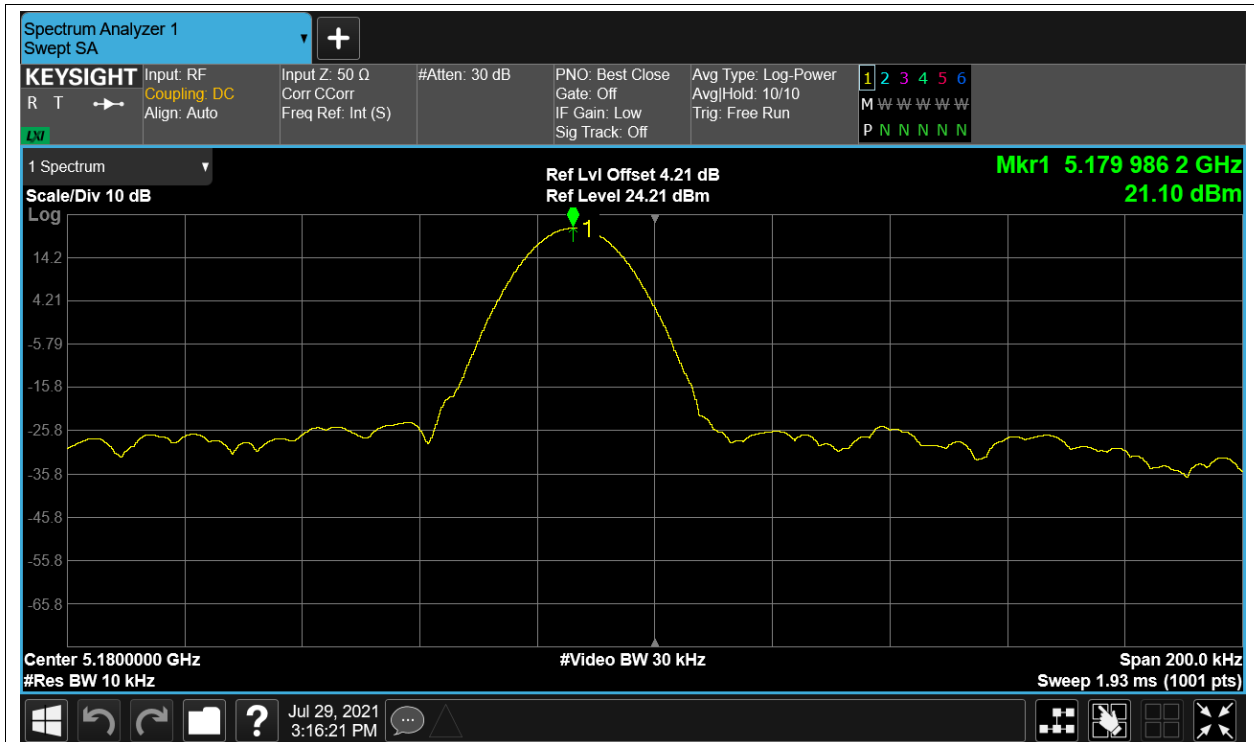
Freq. Stability LVHT a 5180MHz Ant1



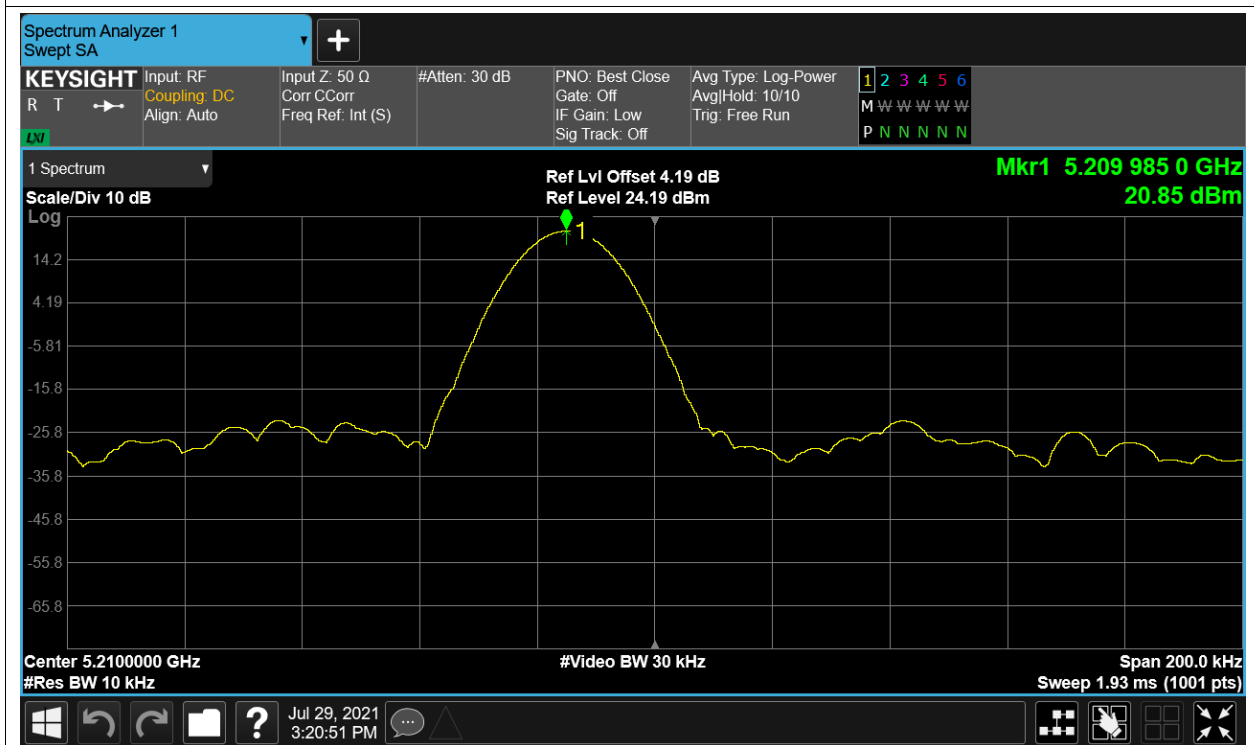
Freq. Stability LVLT a 5180MHz Ant1



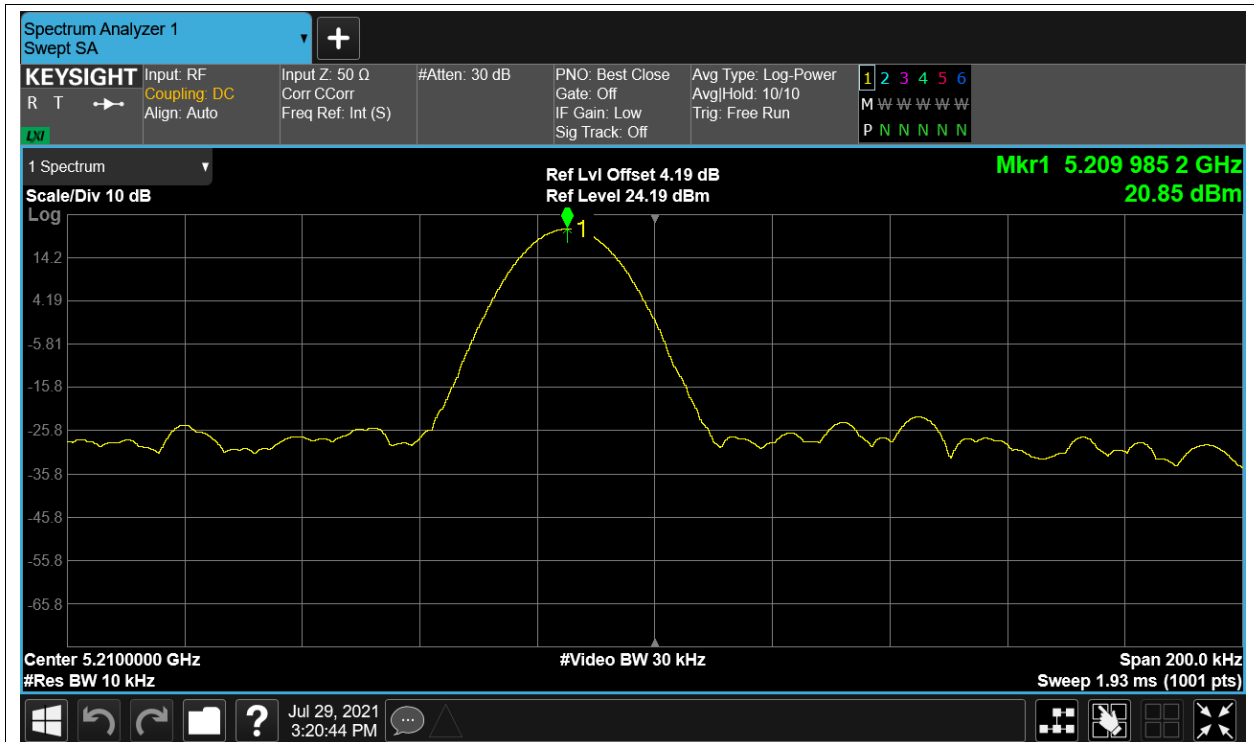
Freq. Stability NVNT a 5180MHz Ant1



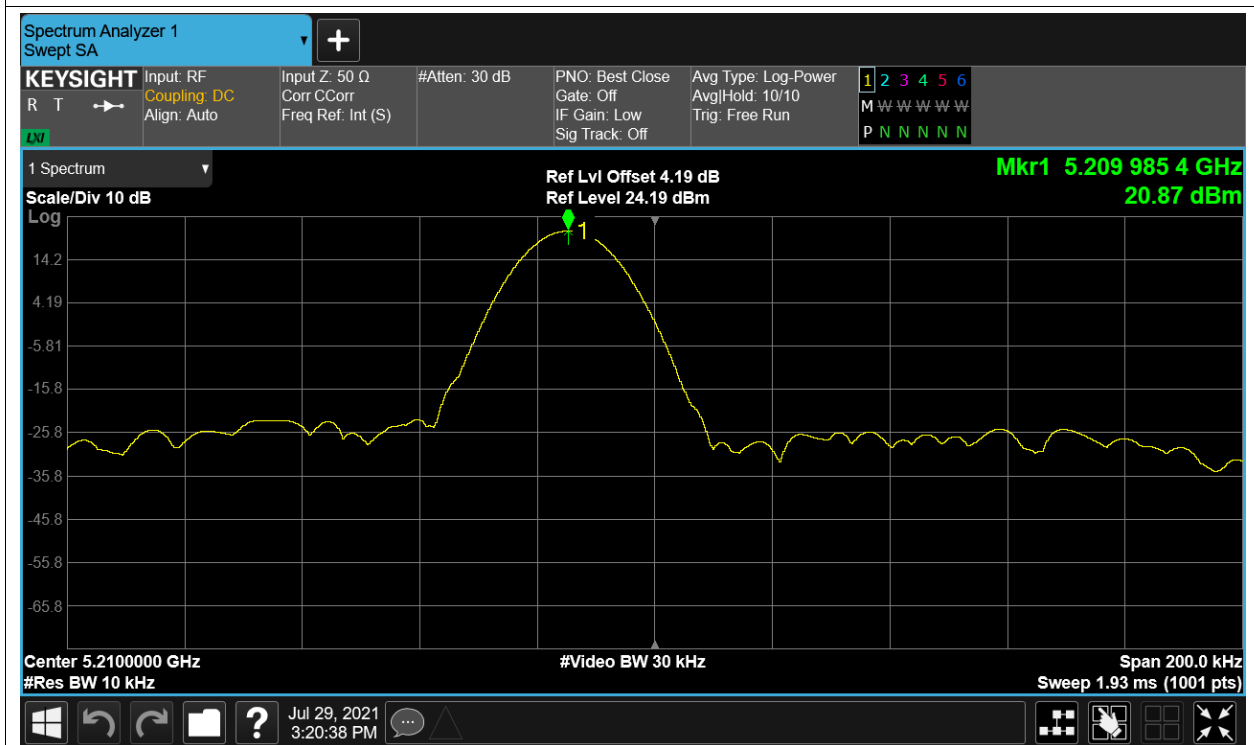
Freq. Stability HVHT ac80 5210MHz Ant1



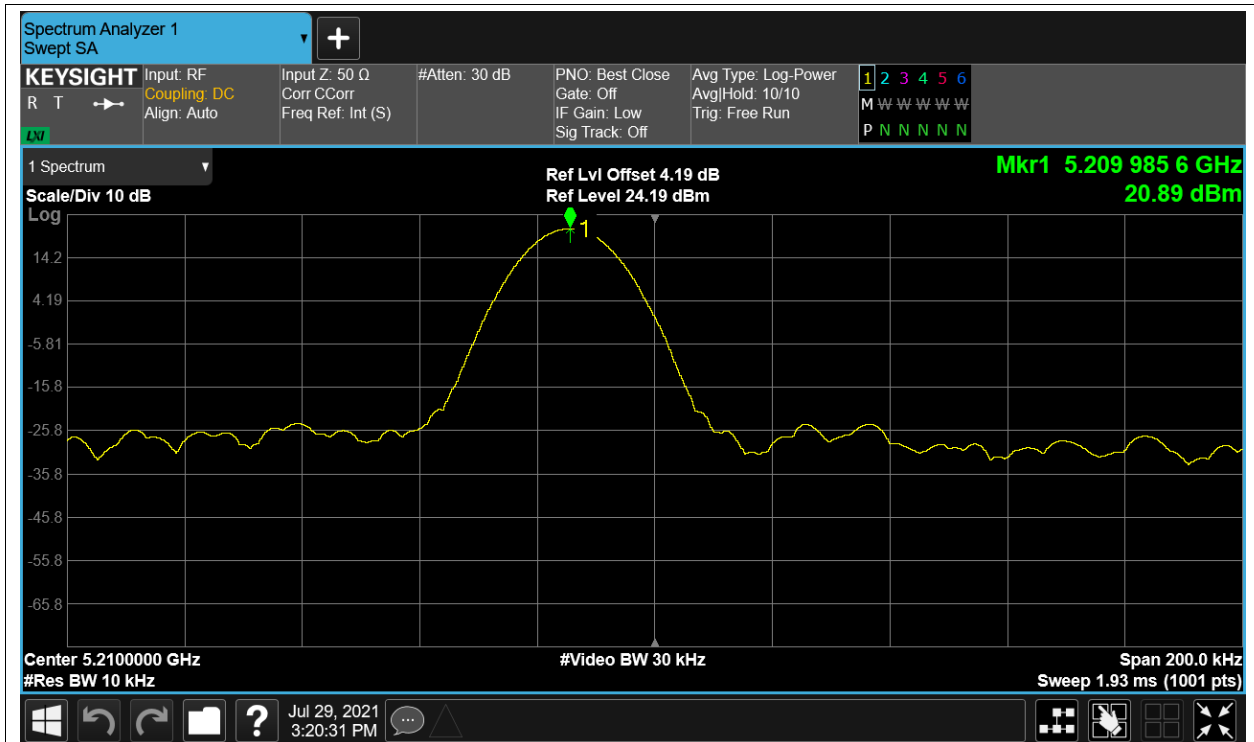
Freq. Stability HVLT ac80 5210MHz Ant1



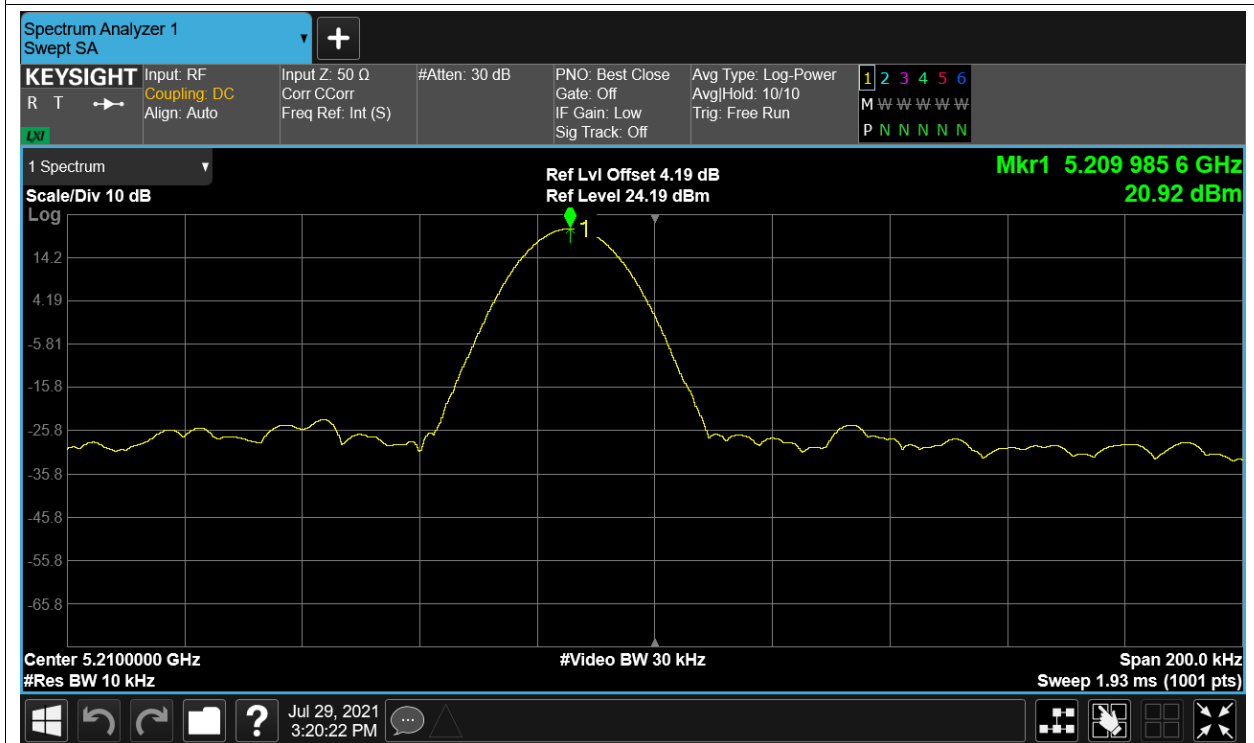
Freq. Stability LVHT ac80 5210MHz Ant1



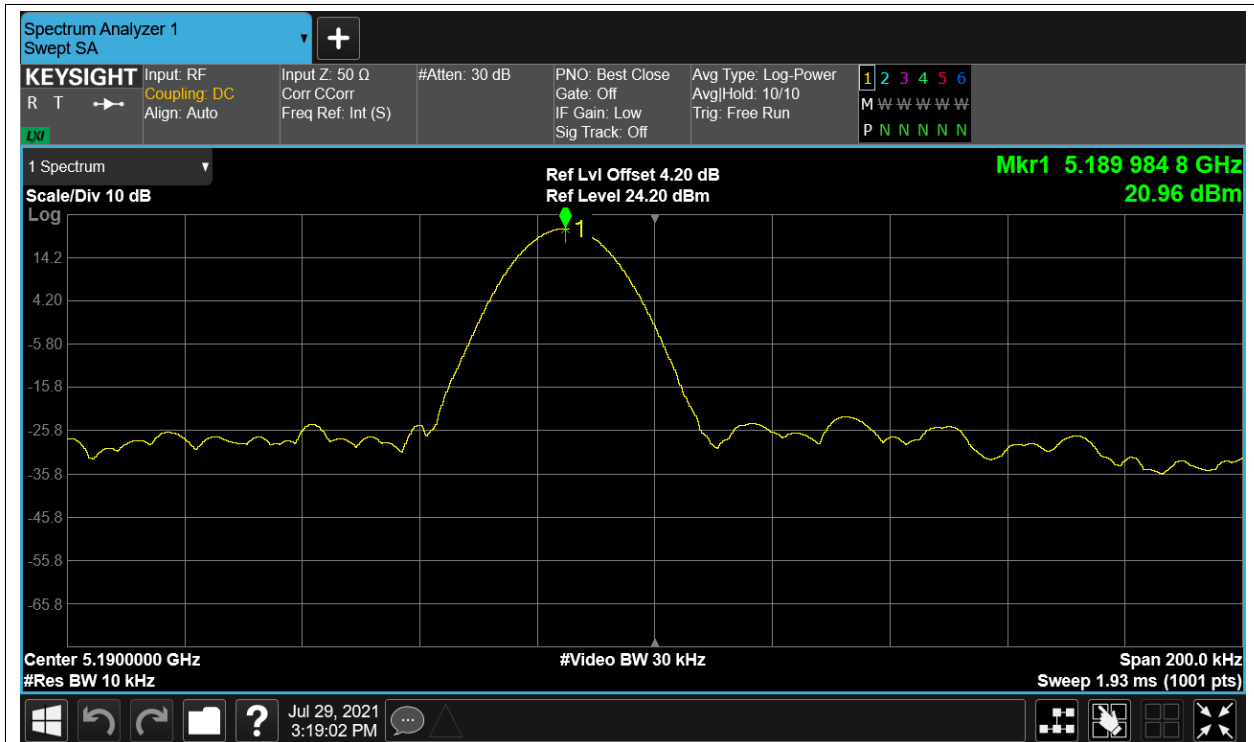
Freq. Stability LVLT ac80 5210MHz Ant1



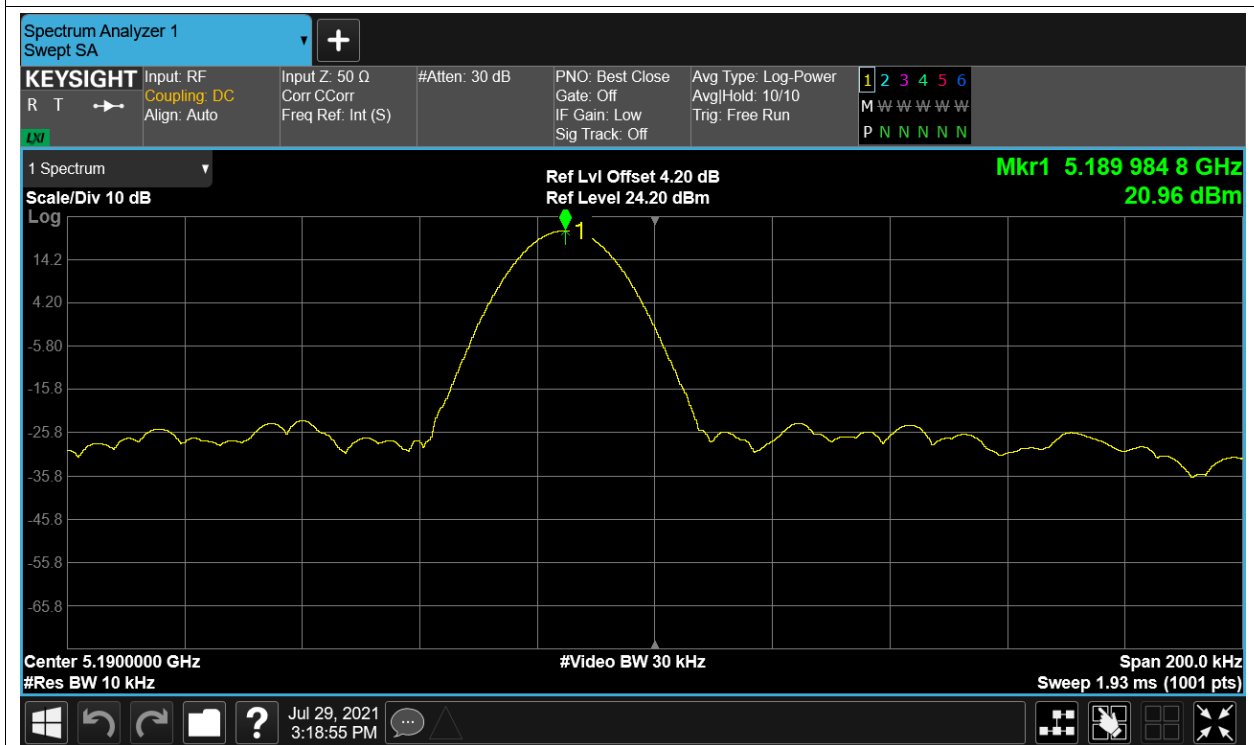
Freq. Stability NVNT ac80 5210MHz Ant1



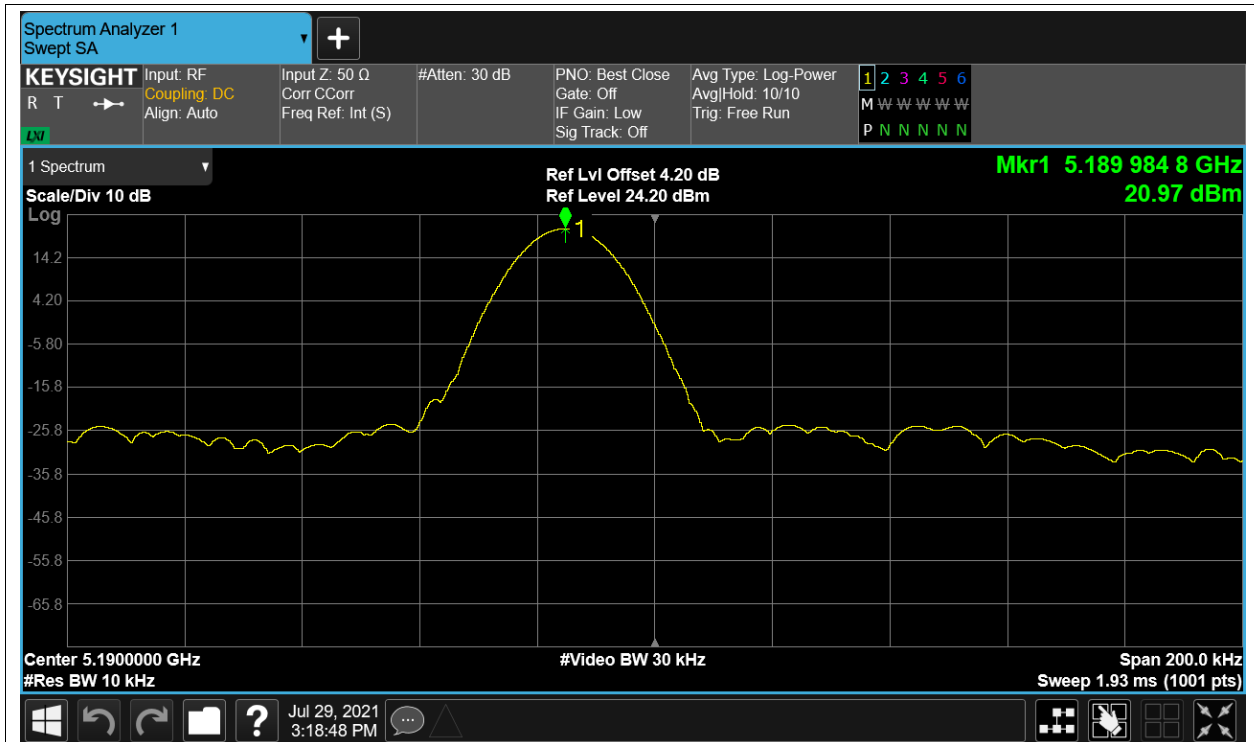
Freq. Stability HVHT n40 5190MHz Ant1



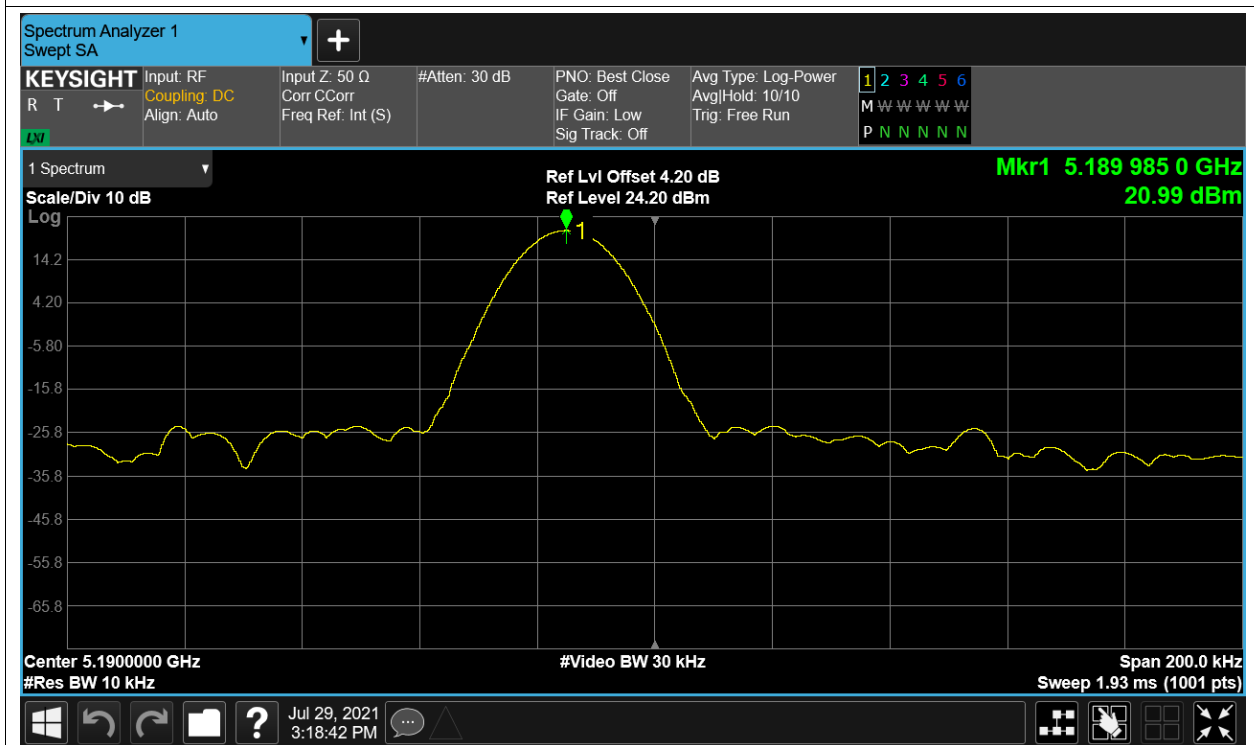
Freq. Stability HVLT n40 5190MHz Ant1



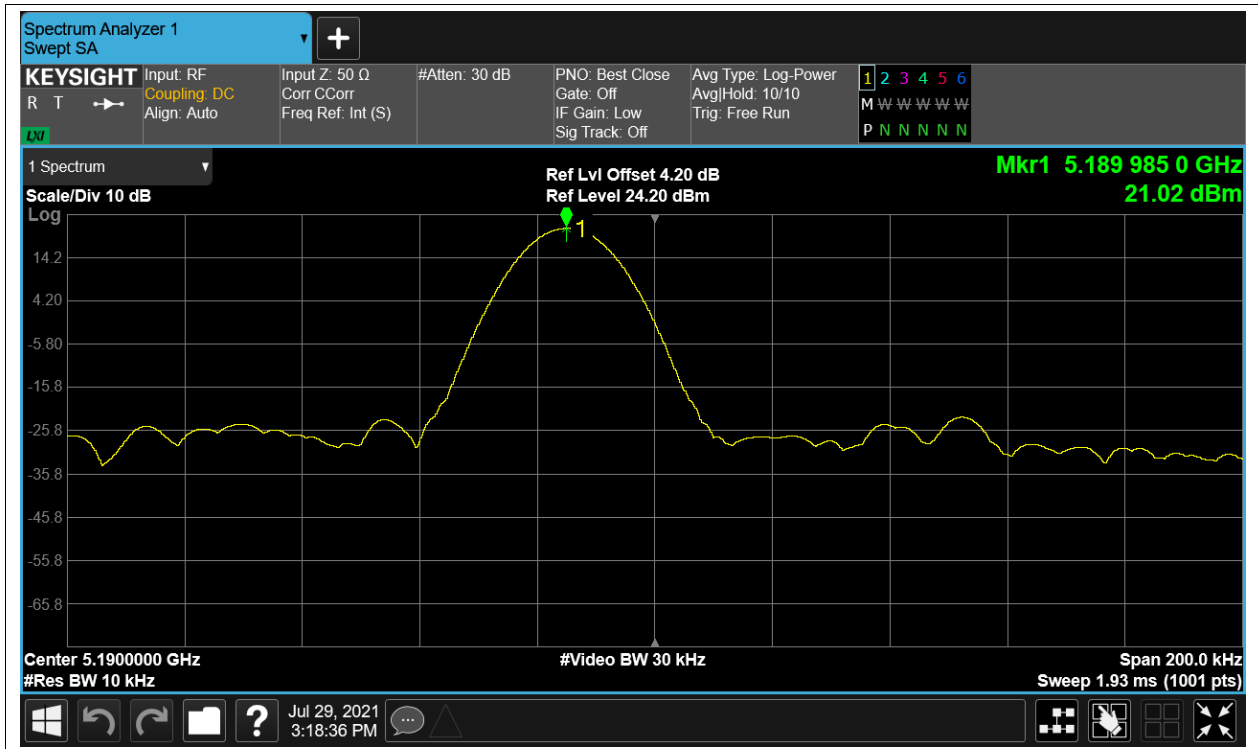
Freq. Stability LVHT n40 5190MHz Ant1



Freq. Stability LVLT n40 5190MHz Ant1



Freq. Stability NVNT n40 5190MHz Ant1

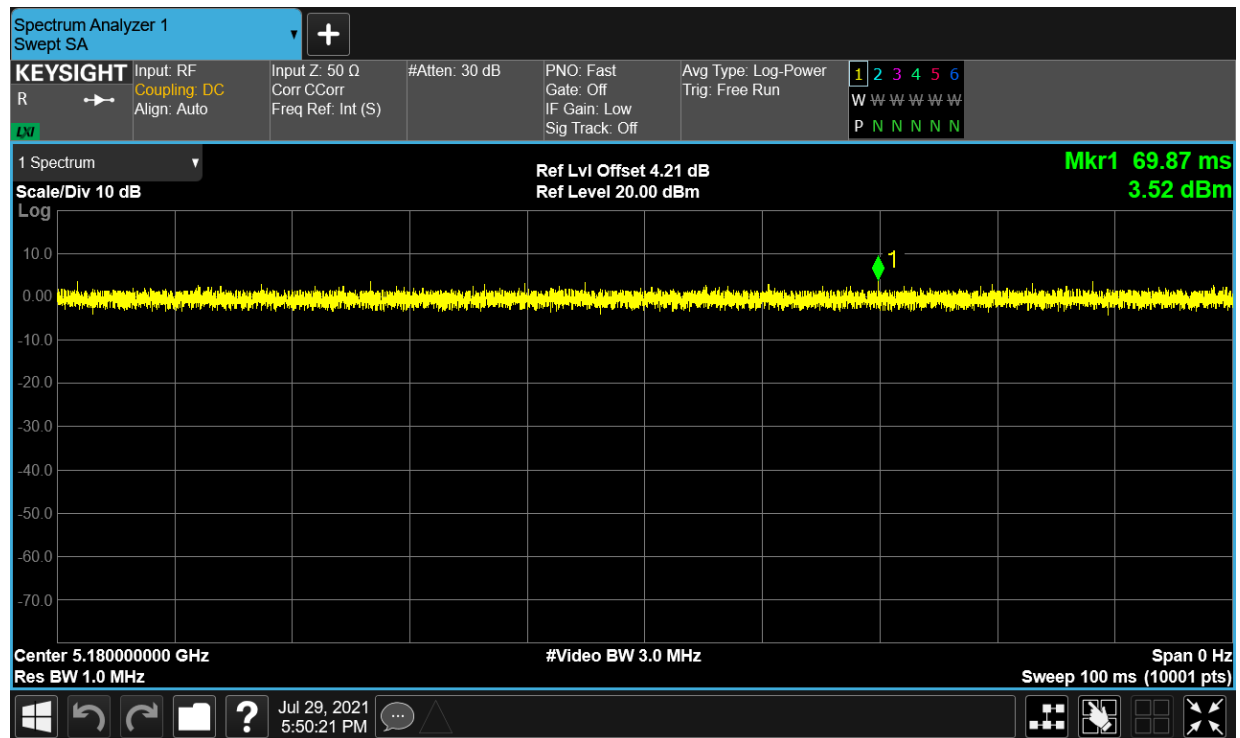


Duty Cycle

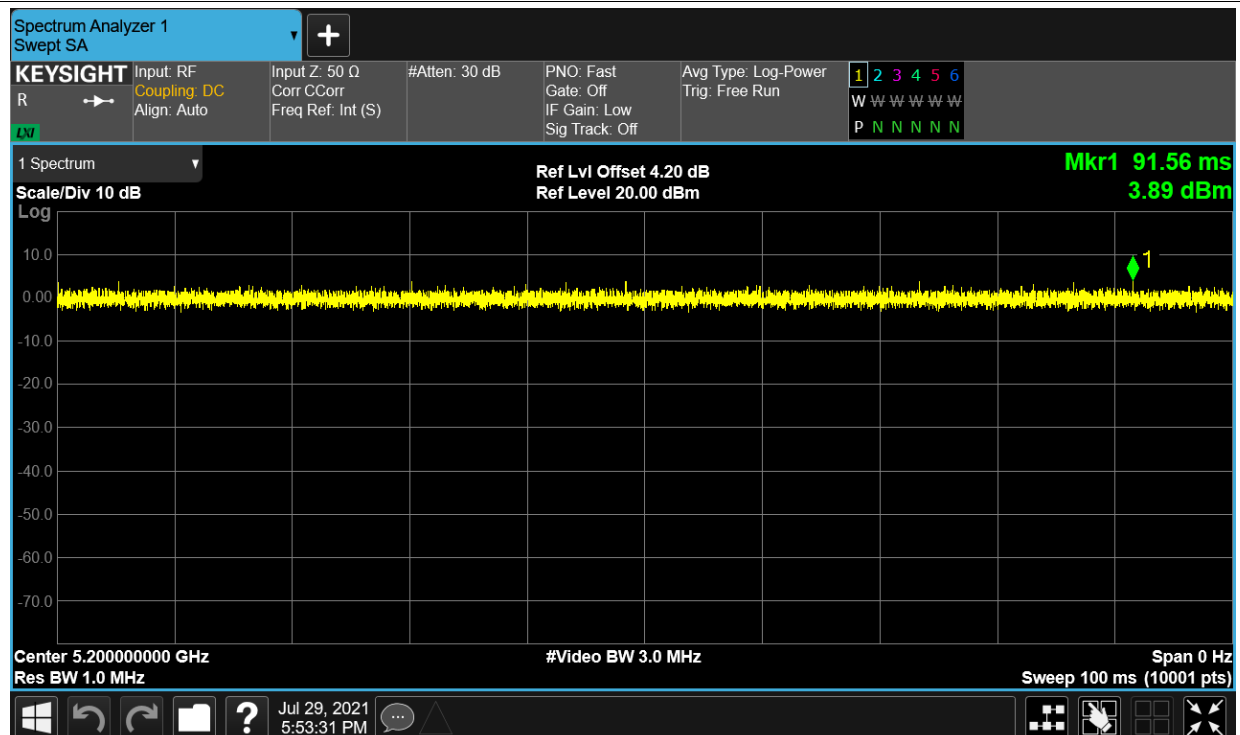
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	100	0
NVNT	a	5200	Ant1	100	0
NVNT	a	5240	Ant1	100	0
NVNT	ac20	5180	Ant1	100	0
NVNT	ac20	5200	Ant1	100	0
NVNT	ac20	5240	Ant1	100	0
NVNT	ac40	5190	Ant1	100	0
NVNT	ac40	5230	Ant1	100	0
NVNT	ac80	5210	Ant1	100	0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

Test Graphs

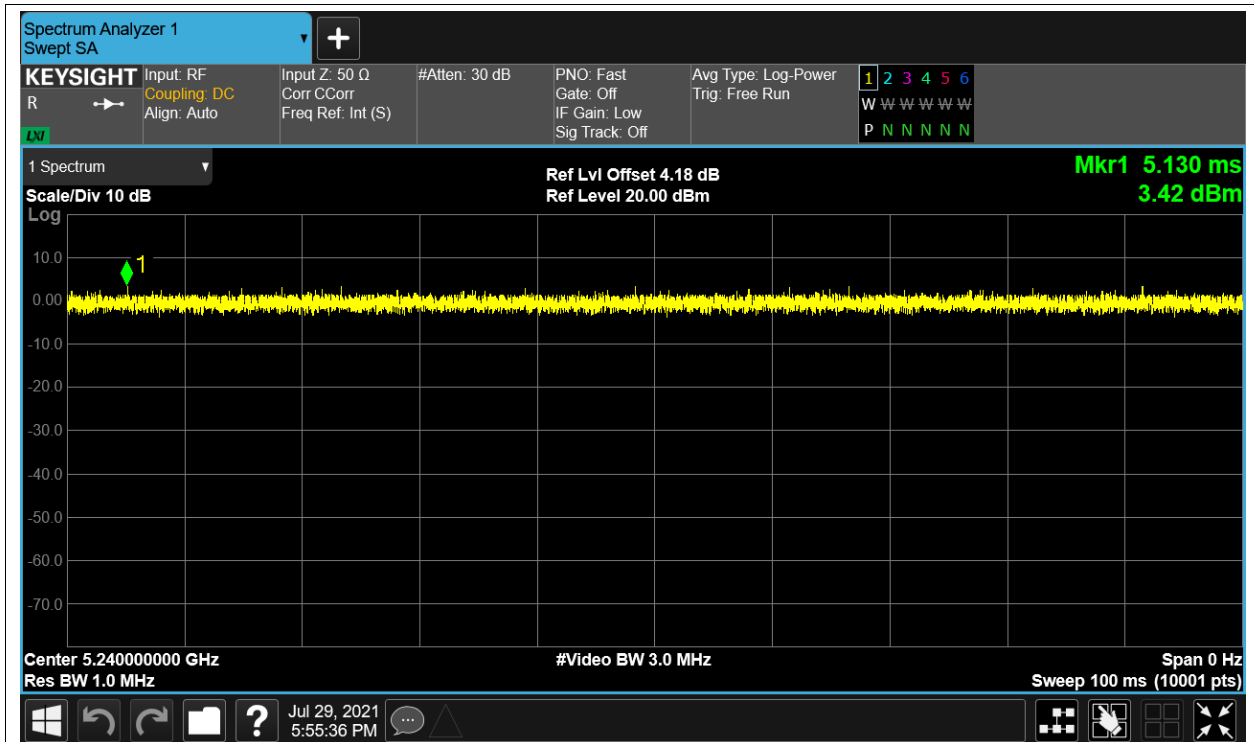
Duty Cycle NVNT a 5180MHz Ant1



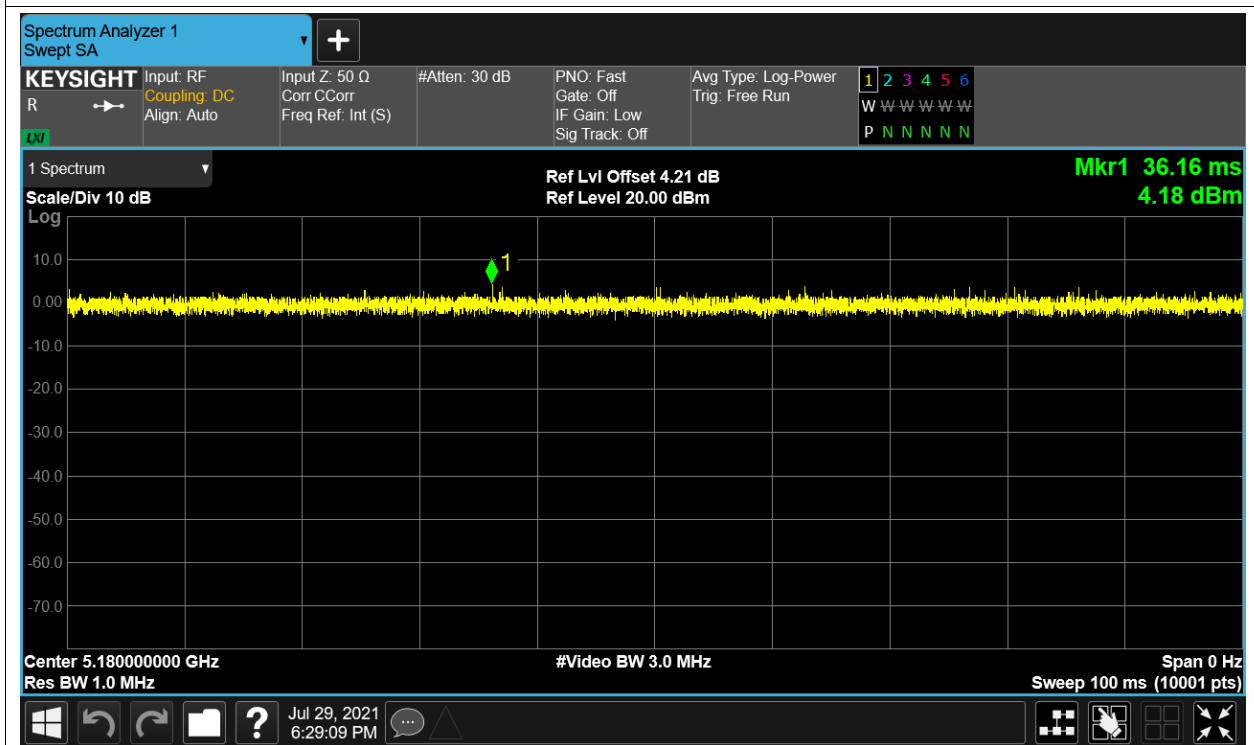
Duty Cycle NVNT a 5200MHz Ant1



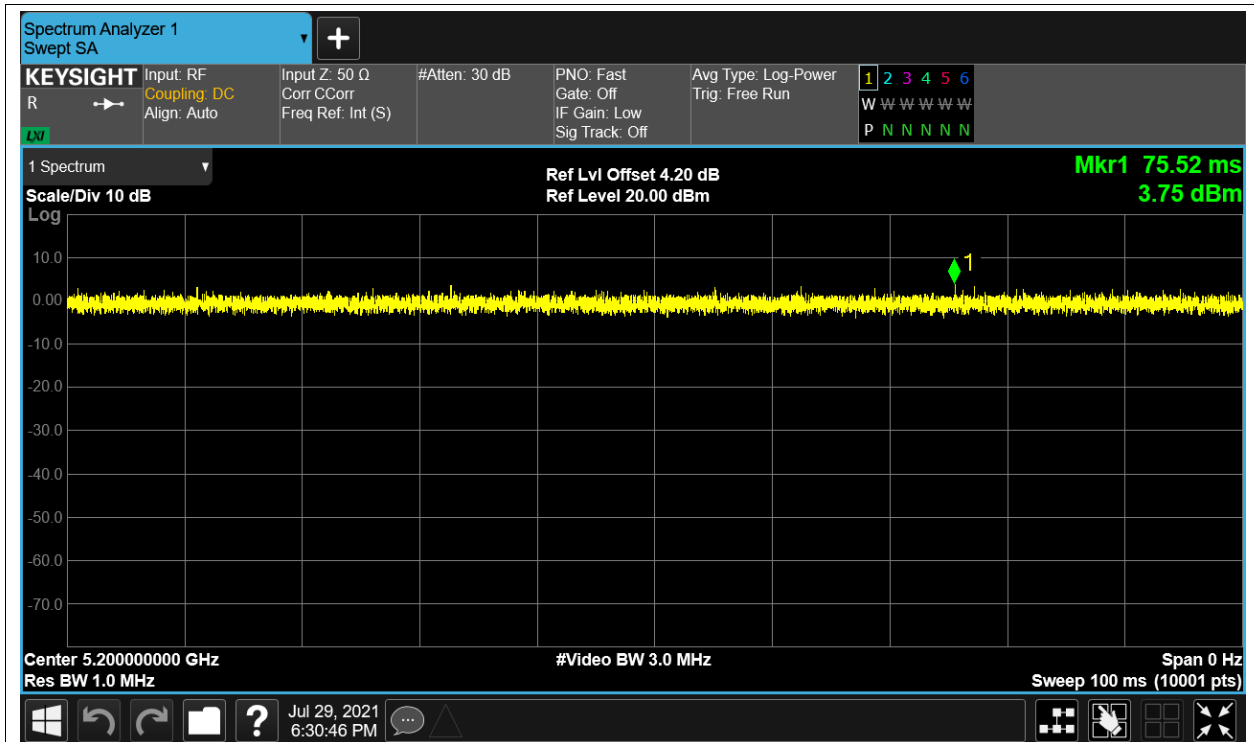
Duty Cycle NVNT a 5240MHz Ant1



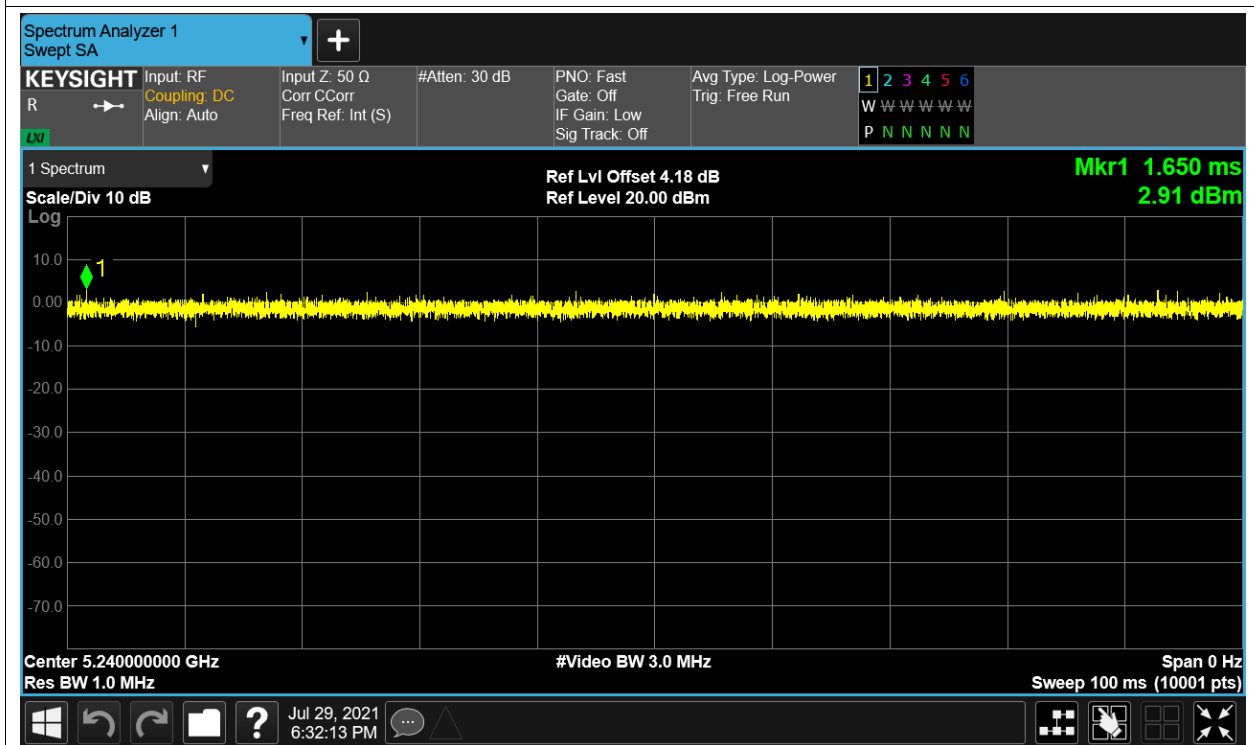
Duty Cycle NVNT ac20 5180MHz Ant1



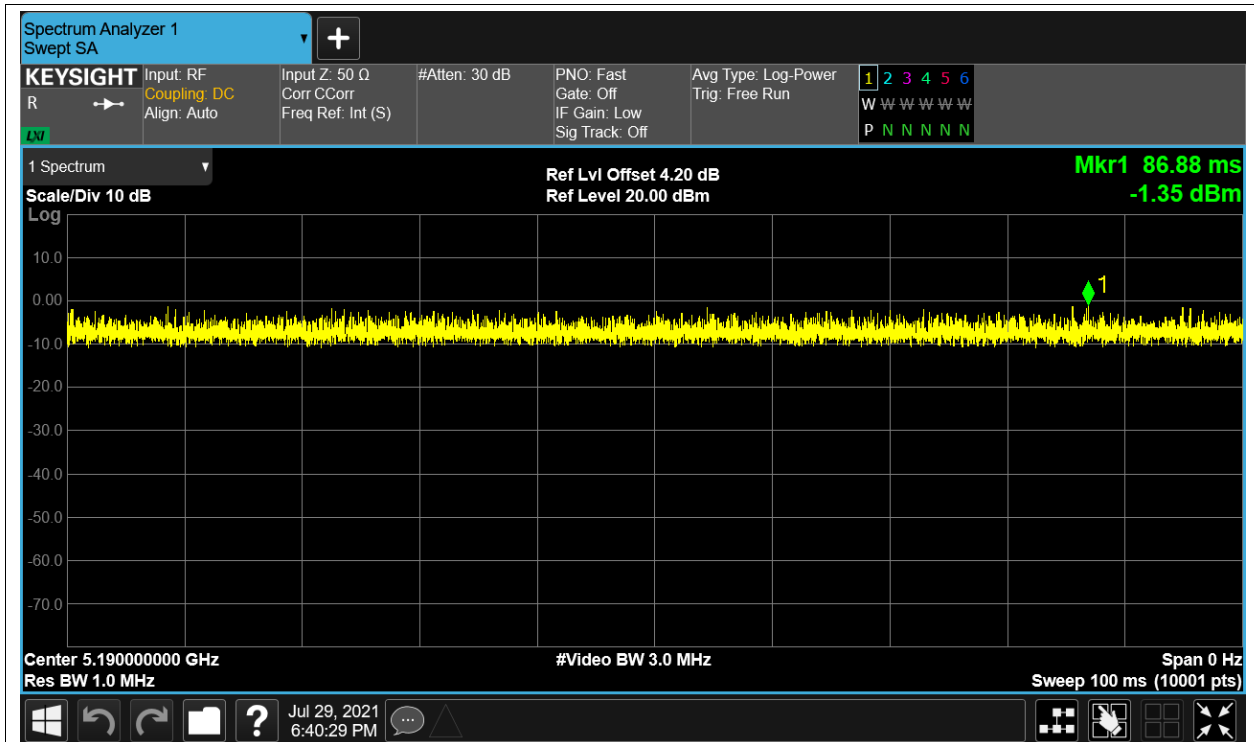
Duty Cycle NVNT ac20 5200MHz Ant1



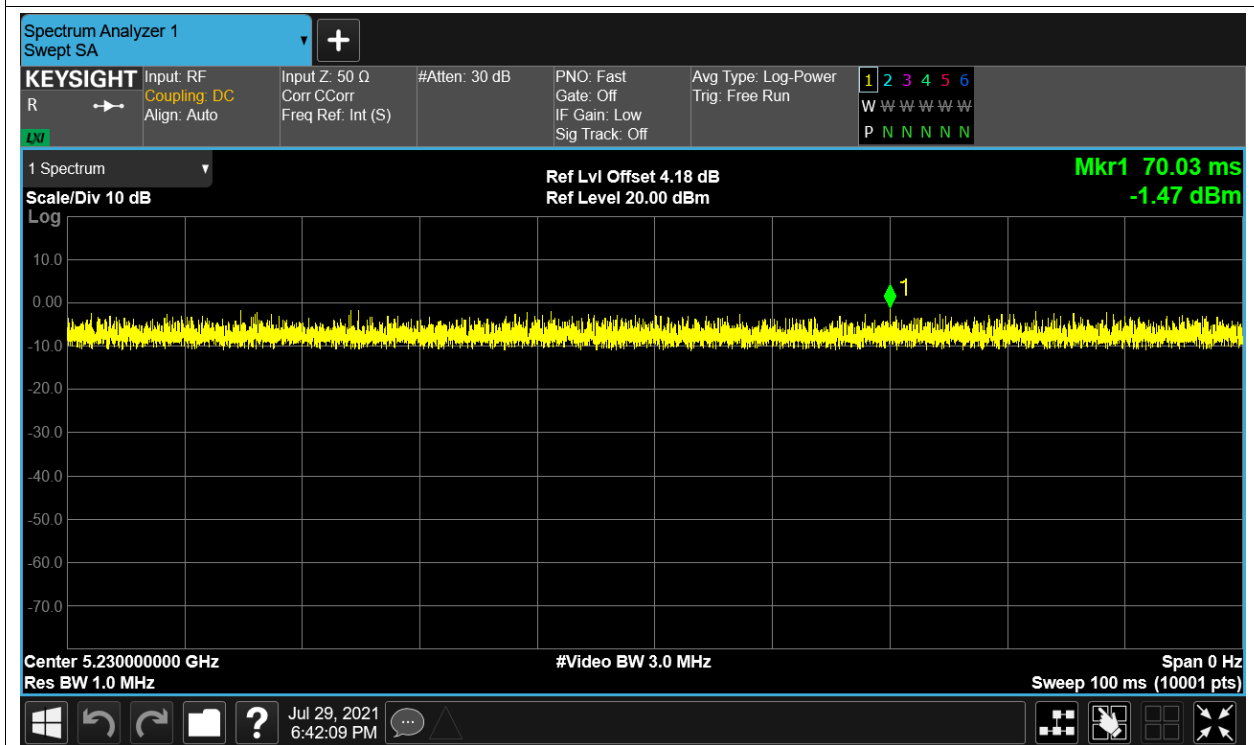
Duty Cycle NVNT ac20 5240MHz Ant1



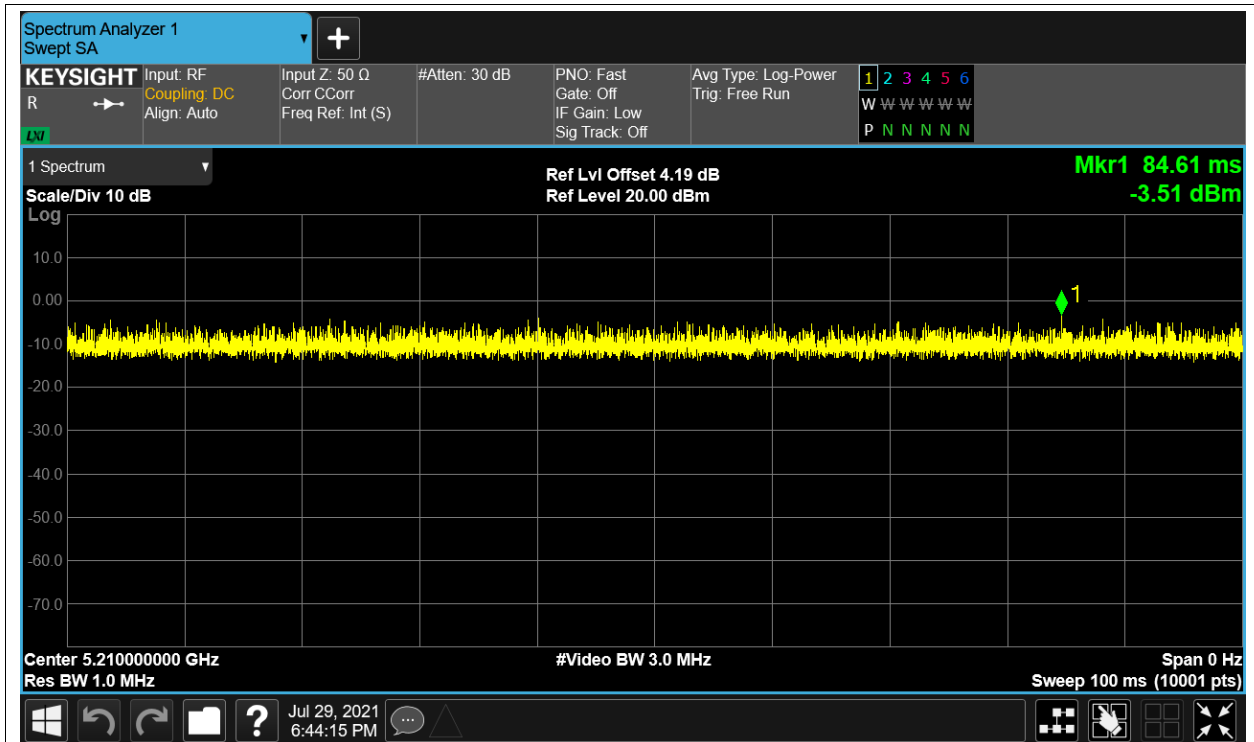
Duty Cycle NVNT ac40 5190MHz Ant1



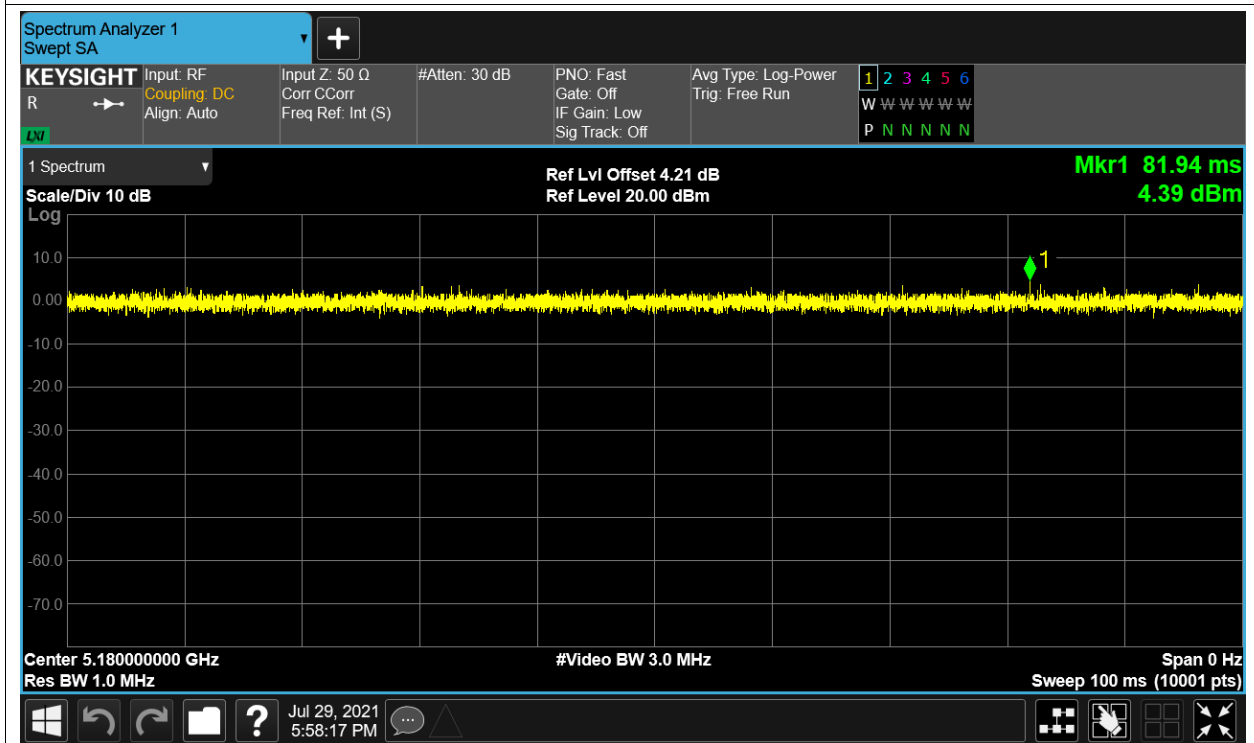
Duty Cycle NVNT ac40 5230MHz Ant1



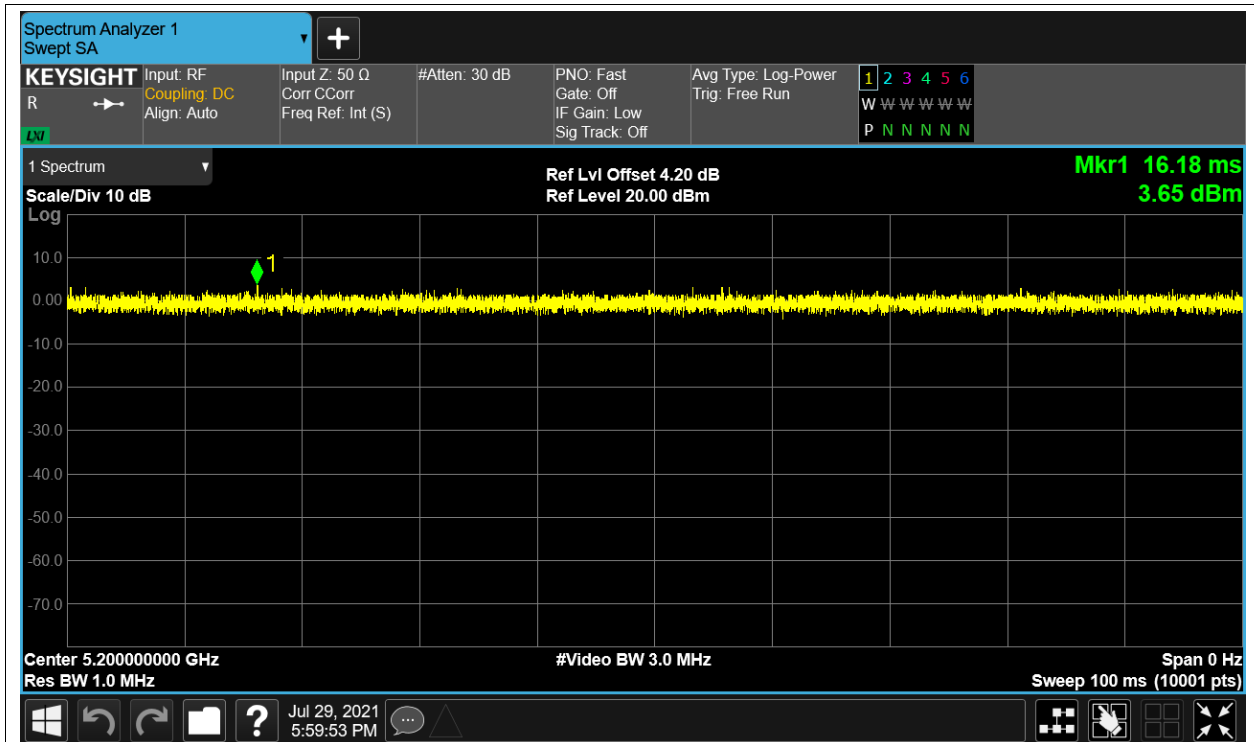
Duty Cycle NVNT ac80 5210MHz Ant1



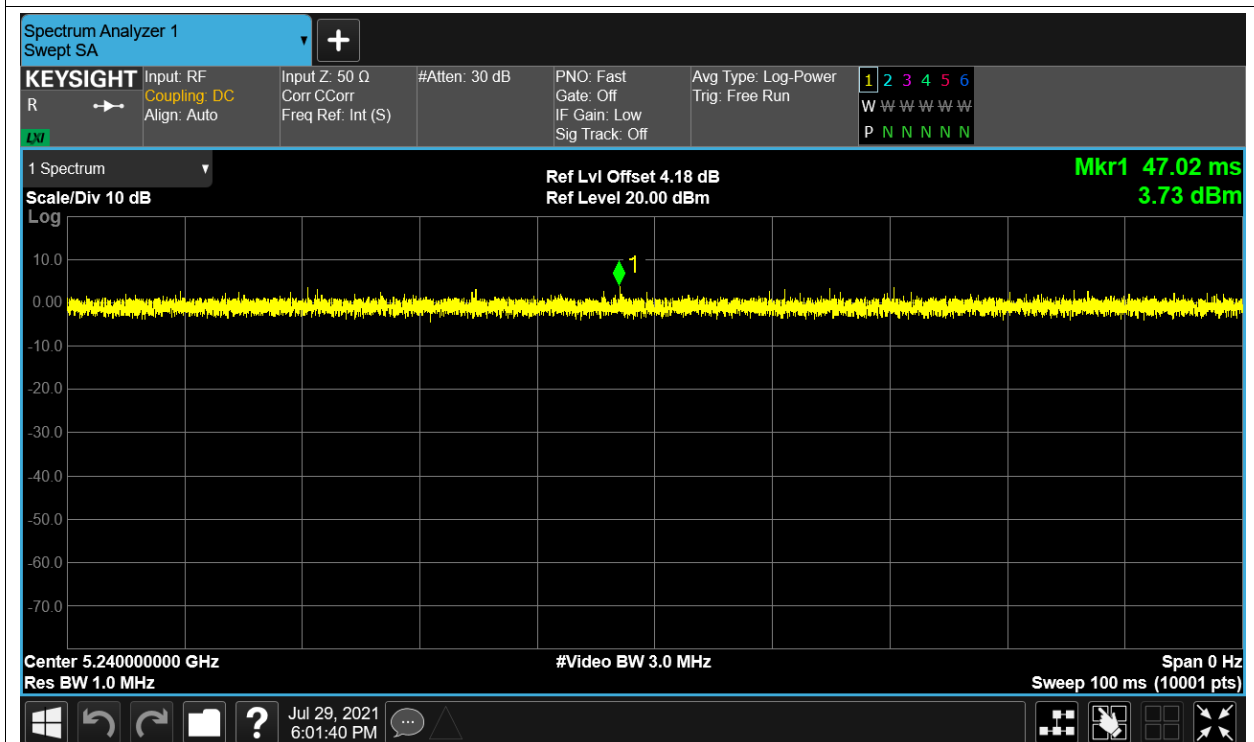
Duty Cycle NVNT n20 5180MHz Ant1



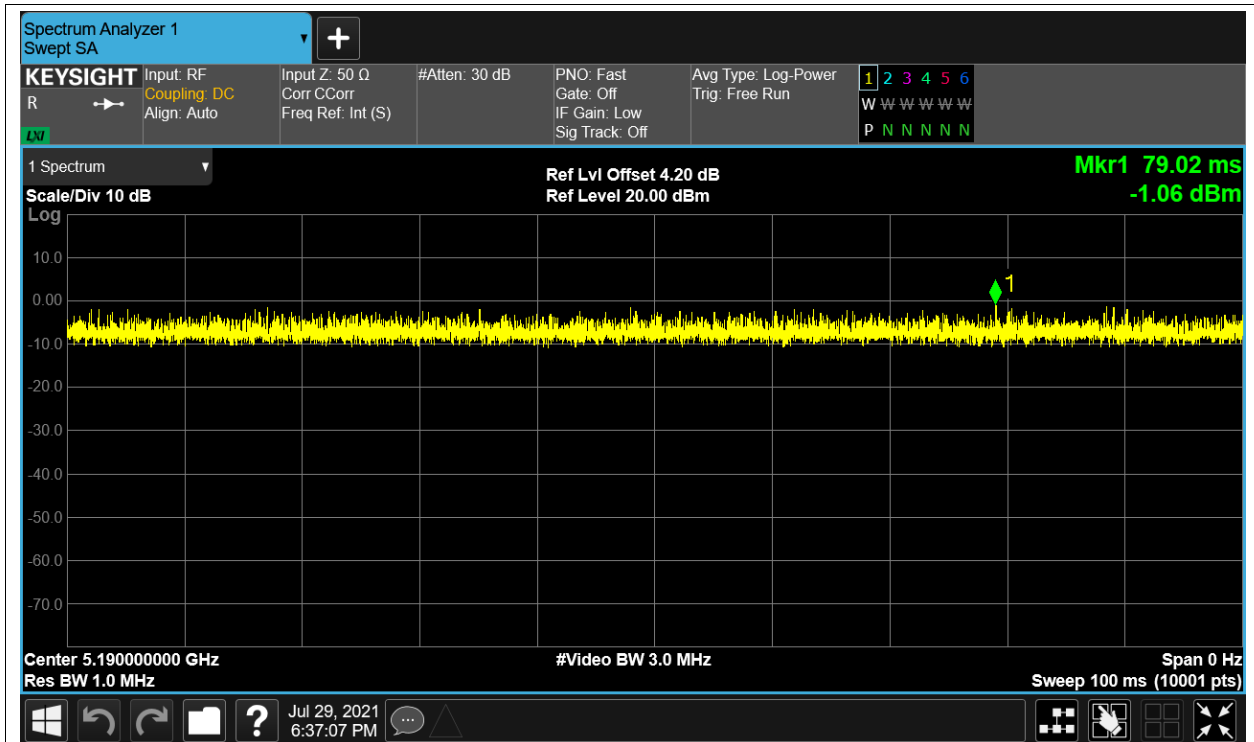
Duty Cycle NVNT n20 5200MHz Ant1



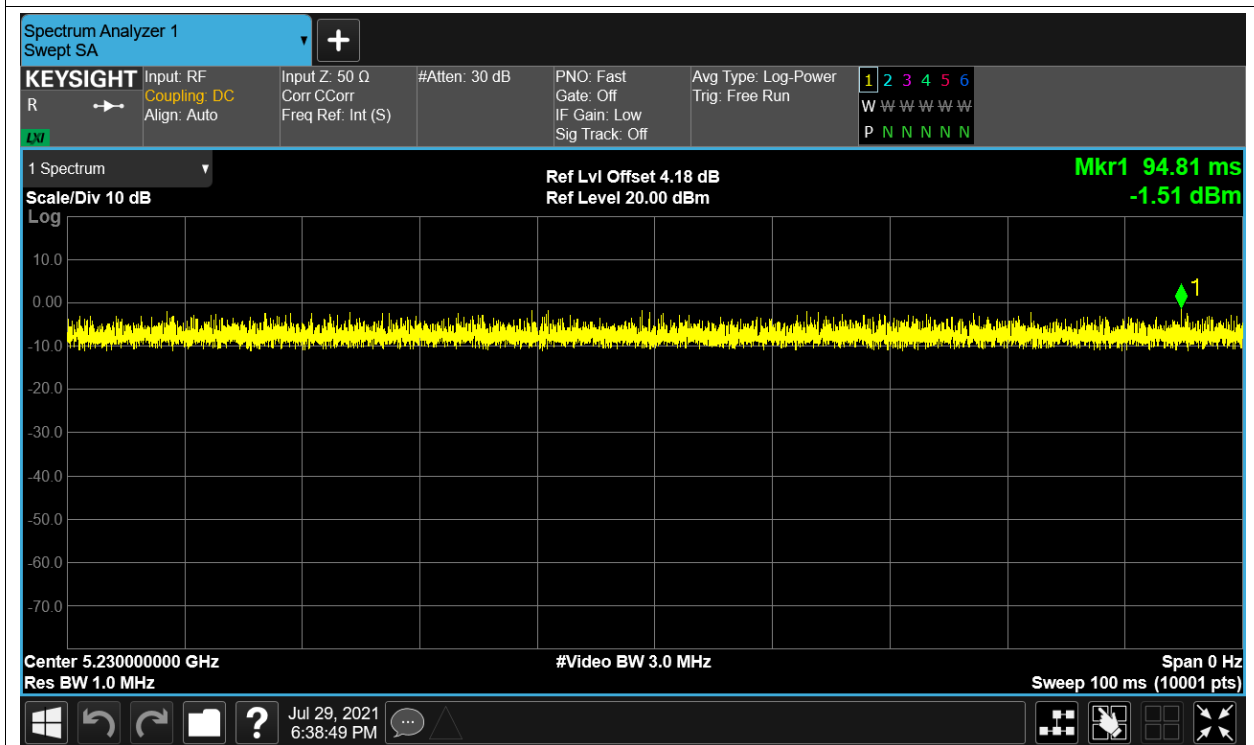
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1



Maximum Conducted Output Power

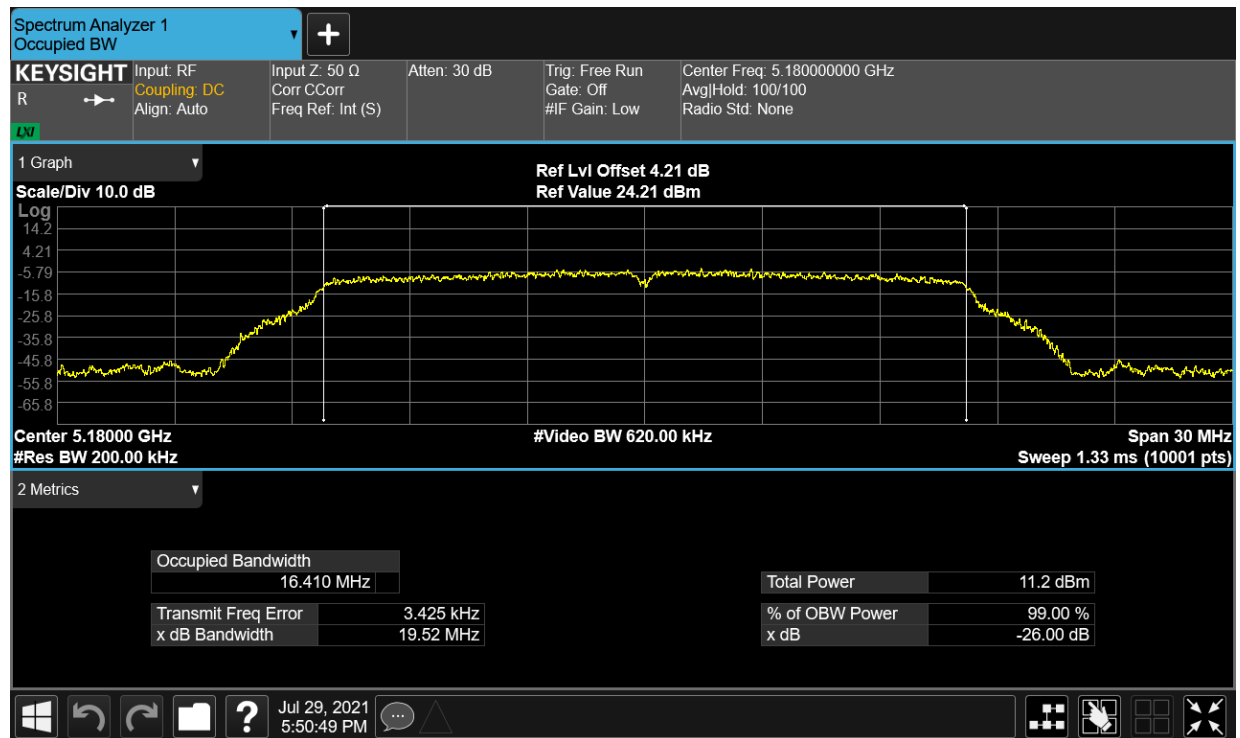
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	6.09	0	6.09	24	Pass
NVNT	a	5200	Ant1	6.45	0	6.45	24	Pass
NVNT	a	5240	Ant1	5.87	0	5.87	24	Pass
NVNT	ac20	5180	Ant1	6.12	0	6.12	24	Pass
NVNT	ac20	5200	Ant1	6.11	0	6.11	24	Pass
NVNT	ac20	5240	Ant1	5.26	0	5.26	24	Pass
NVNT	ac40	5190	Ant1	5.9	0	5.9	24	Pass
NVNT	ac40	5230	Ant1	5.48	0	5.48	24	Pass
NVNT	ac80	5210	Ant1	5.8	0	5.8	24	Pass
NVNT	n20	5180	Ant1	6.37	0	6.37	24	Pass
NVNT	n20	5200	Ant1	6.31	0	6.31	24	Pass
NVNT	n20	5240	Ant1	5.7	0	5.7	24	Pass
NVNT	n40	5190	Ant1	5.89	0	5.89	24	Pass
NVNT	n40	5230	Ant1	5.46	0	5.46	24	Pass

Occupied Channel Bandwidth

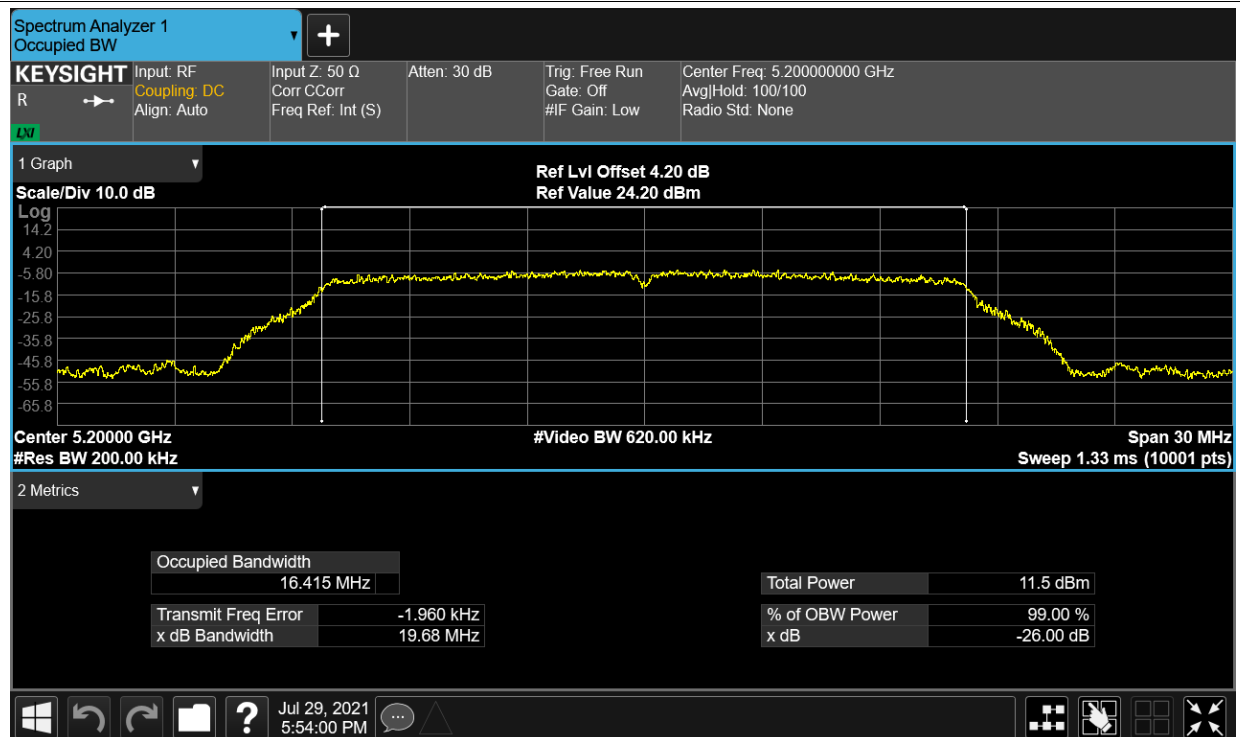
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.409605
NVNT	a	5200	Ant1	16.4147678
NVNT	a	5240	Ant1	16.39405033
NVNT	ac20	5180	Ant1	17.53365239
NVNT	ac20	5200	Ant1	17.56721675
NVNT	ac20	5240	Ant1	17.52672709
NVNT	ac40	5190	Ant1	35.90003697
NVNT	ac40	5230	Ant1	35.9335043
NVNT	ac80	5210	Ant1	75.05515278
NVNT	n20	5180	Ant1	17.55495527
NVNT	n20	5200	Ant1	17.53978725
NVNT	n20	5240	Ant1	17.52492193
NVNT	n40	5190	Ant1	35.90248554
NVNT	n40	5230	Ant1	35.93108853

Test Graphs

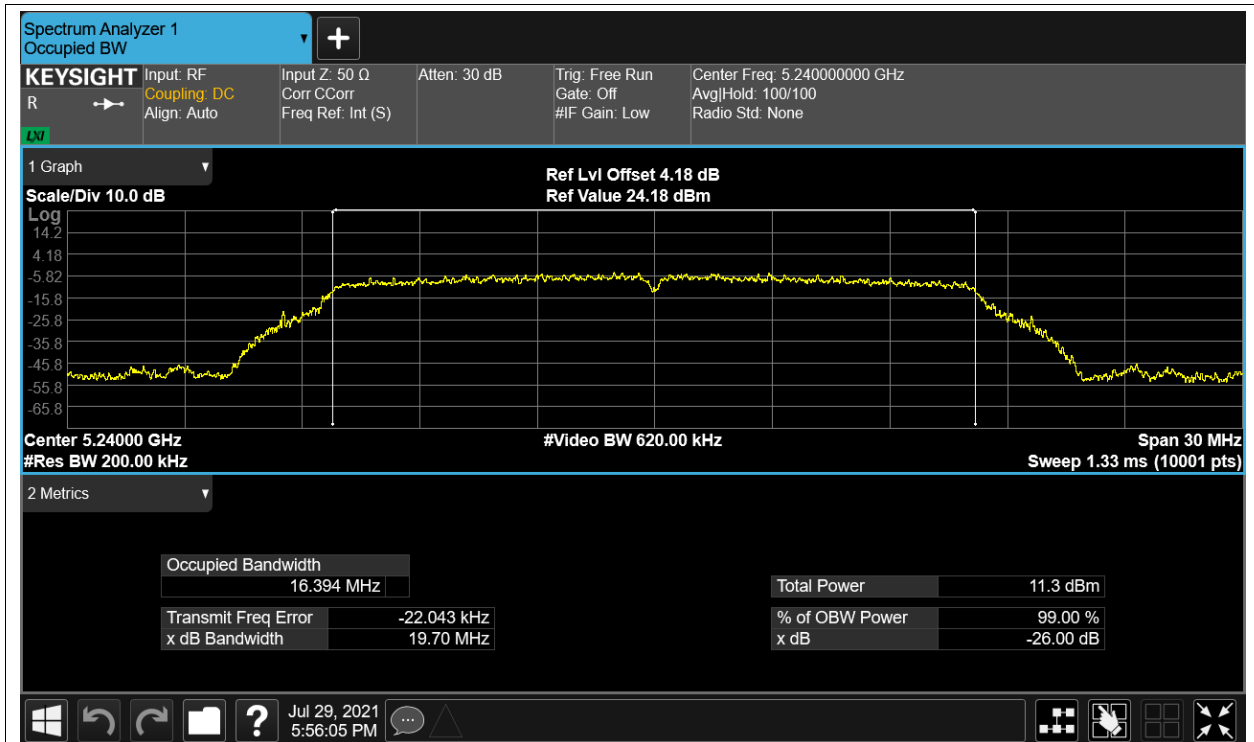
OBW NVNT a 5180MHz Ant1



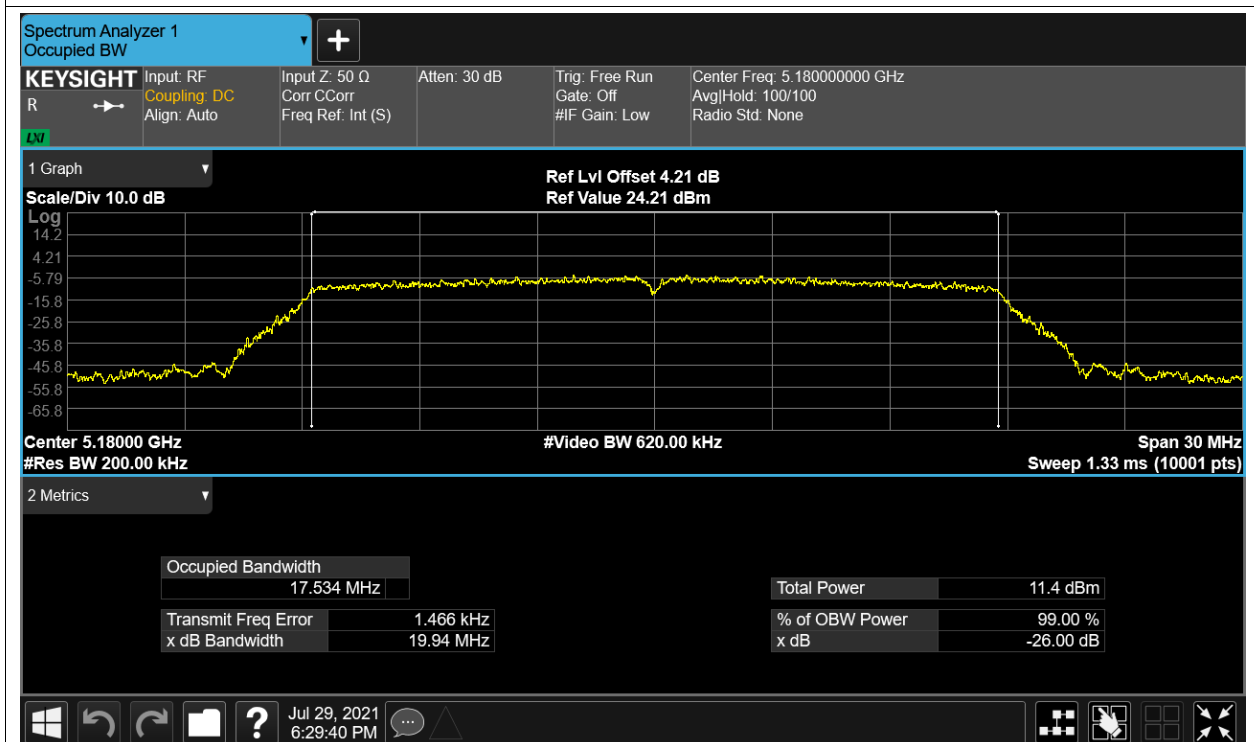
OBW NVNT a 5200MHz Ant1



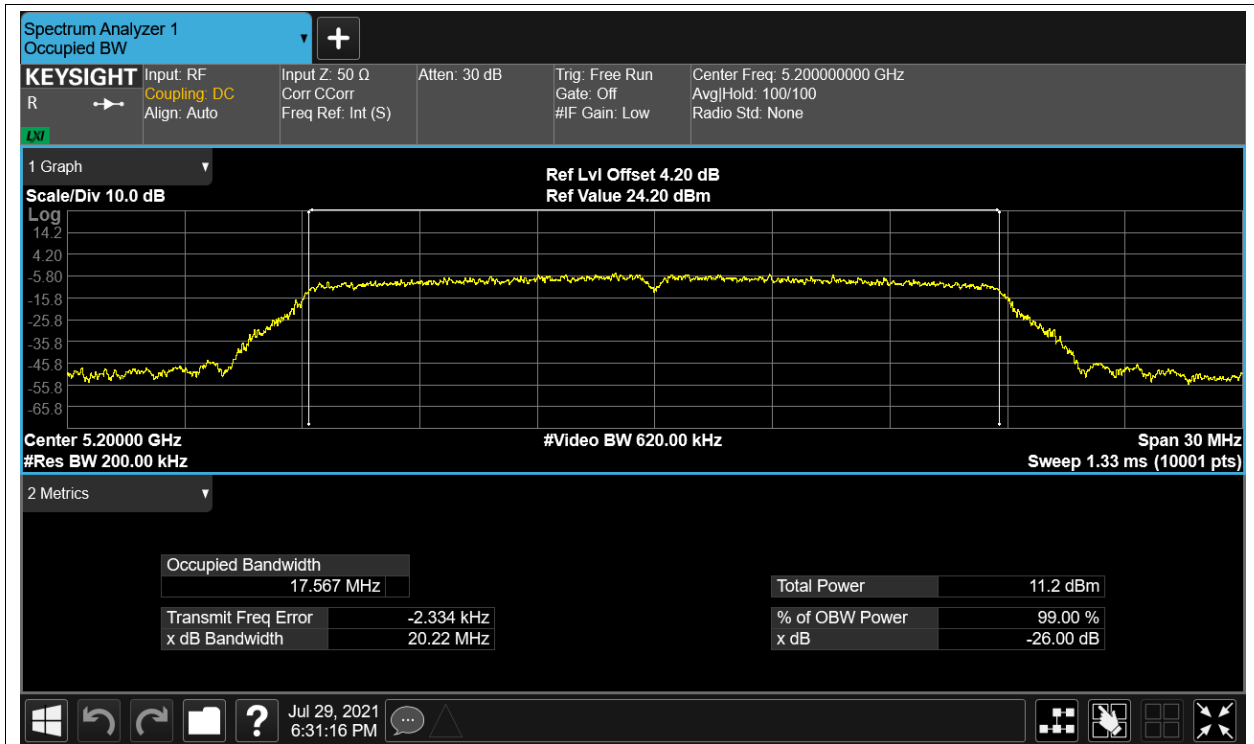
OBW NVNT a 5240MHz Ant1



OBW NVNT ac20 5180MHz Ant1



OBW NVNT ac20 5200MHz Ant1



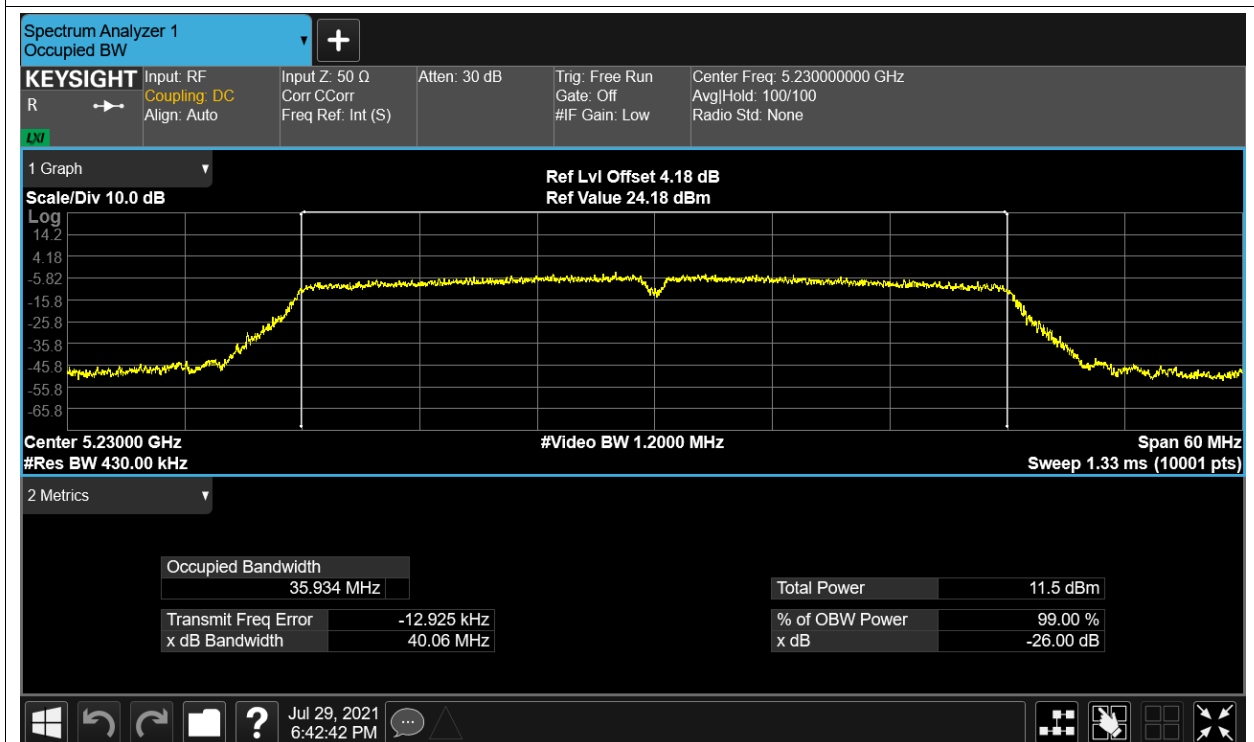
OBW NVNT ac20 5240MHz Ant1



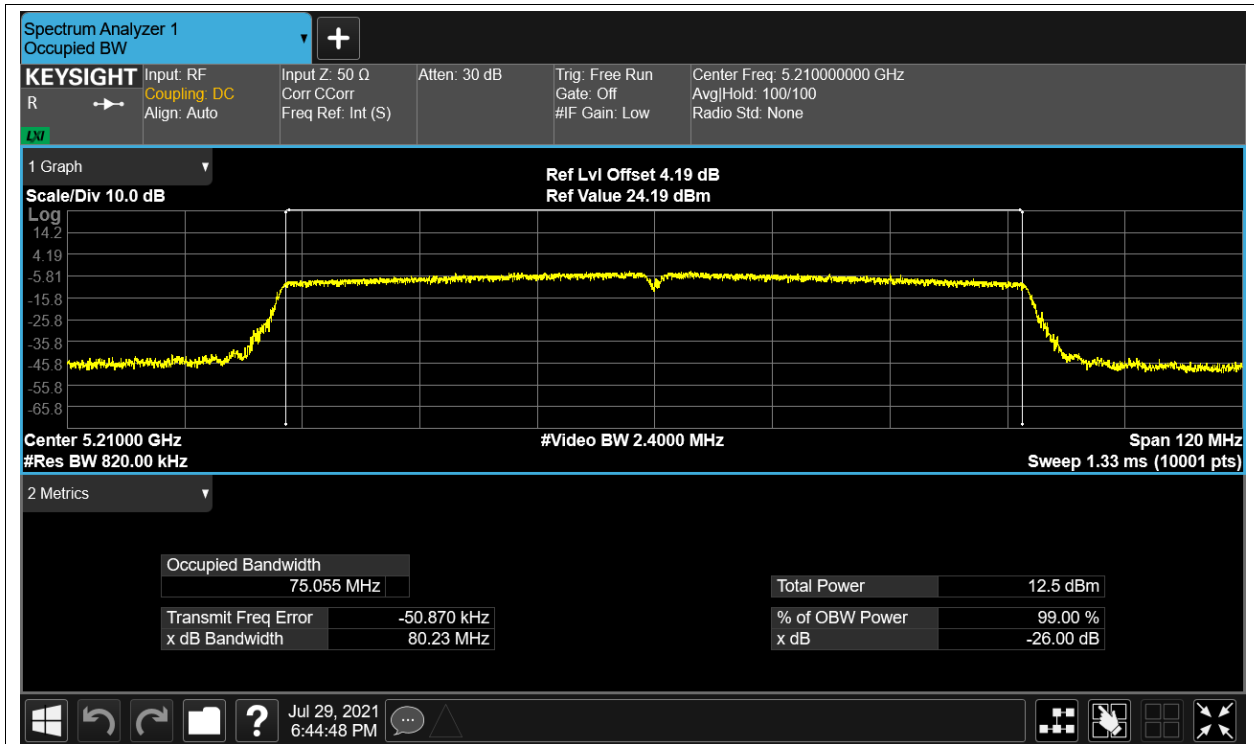
OBW NVNT ac40 5190MHz Ant1



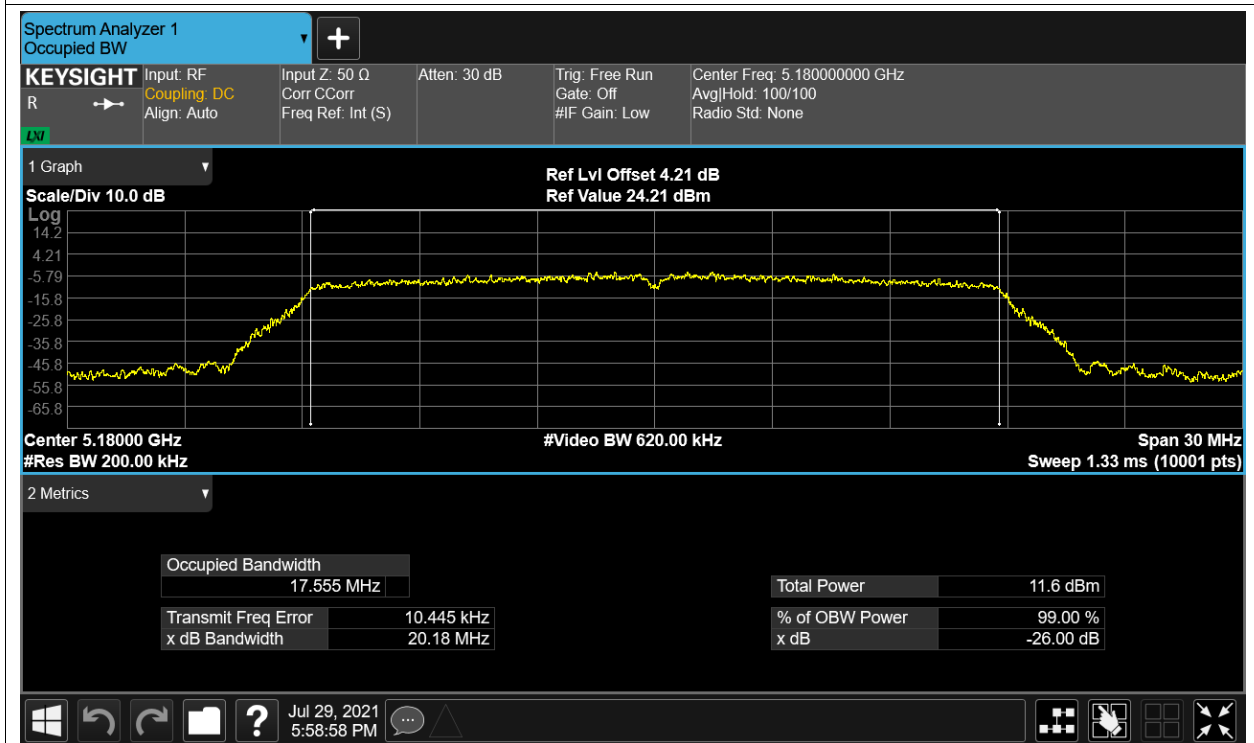
OBW NVNT ac40 5230MHz Ant1



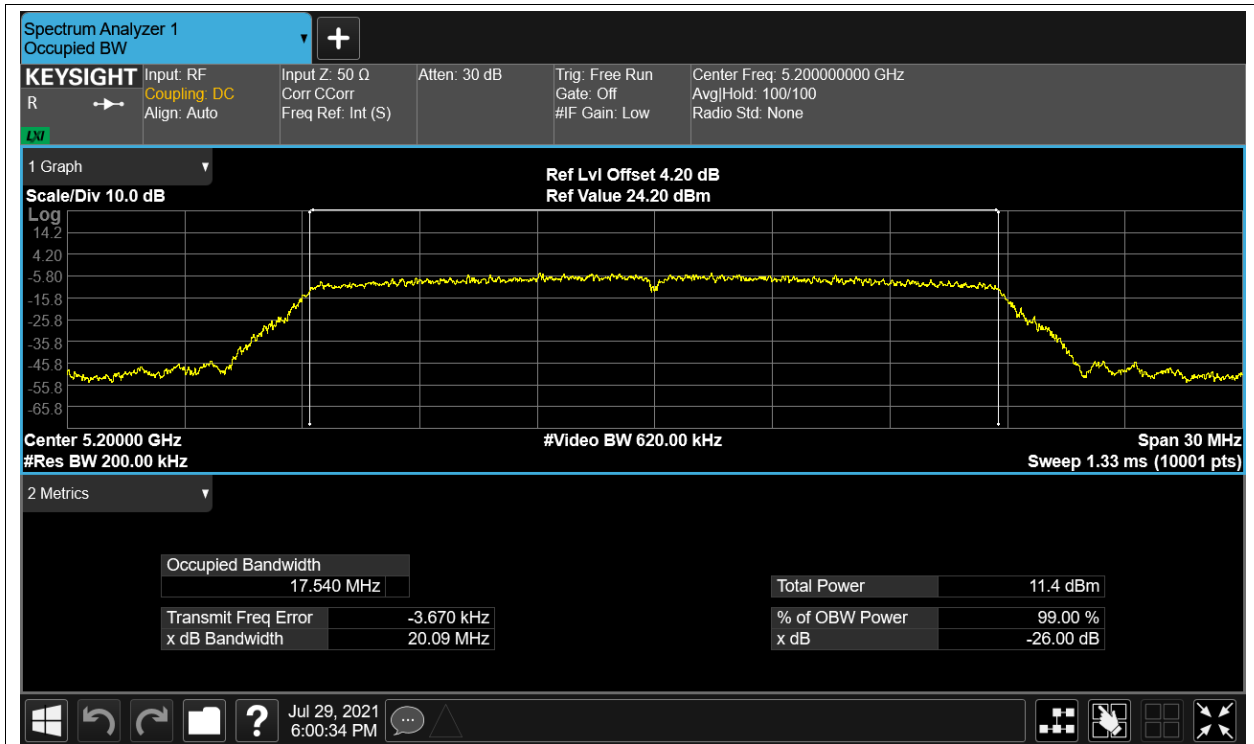
OBW NVNT ac80 5210MHz Ant1



OBW NVNT n20 5180MHz Ant1



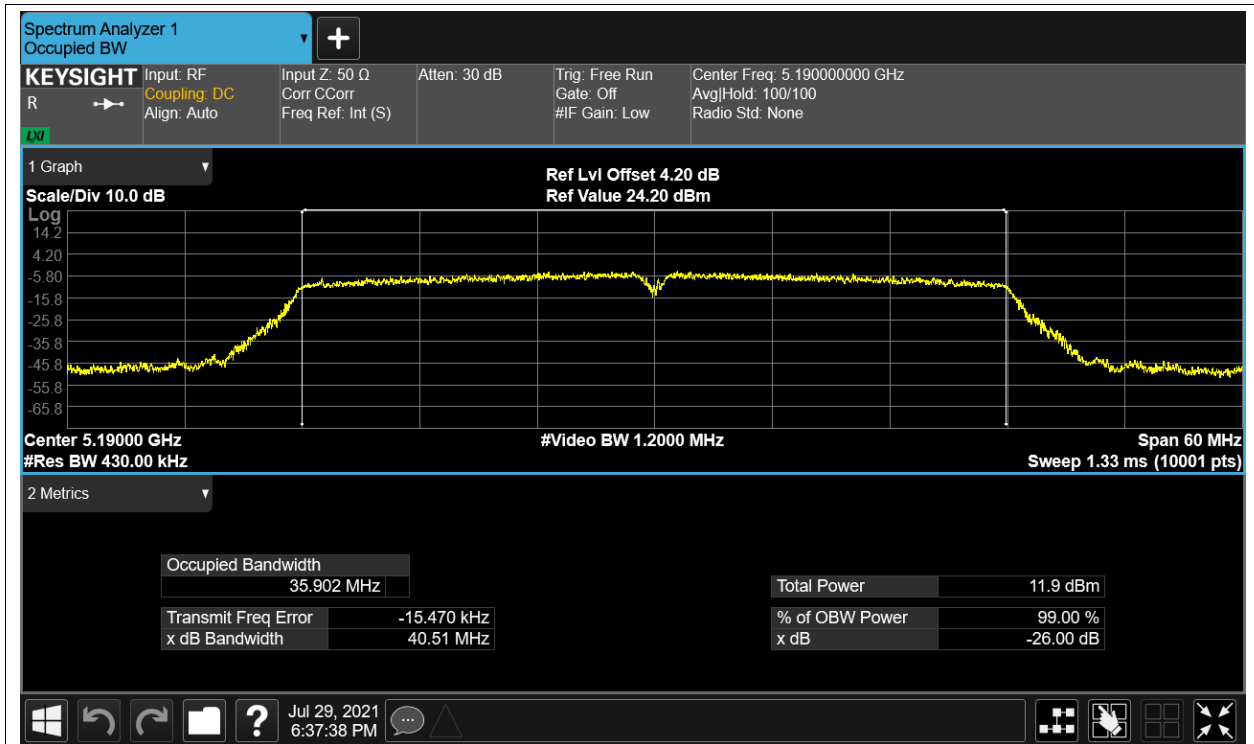
OBW NVNT n20 5200MHz Ant1



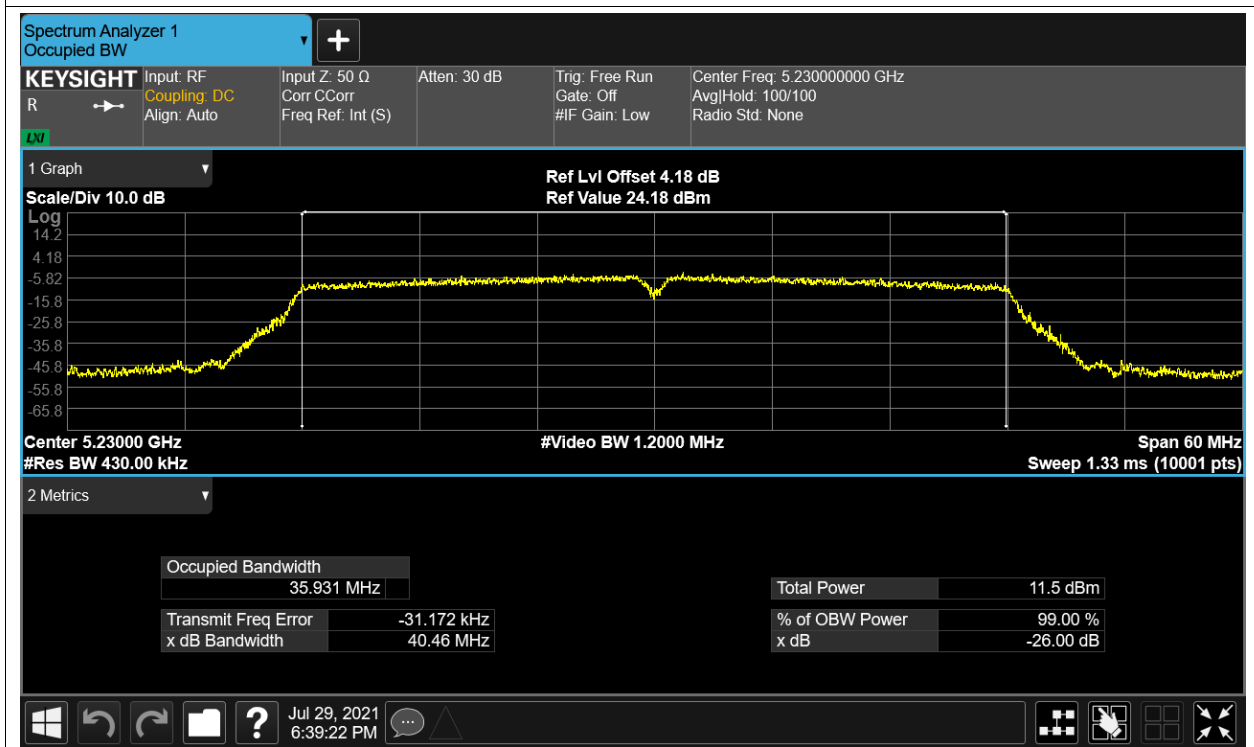
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1

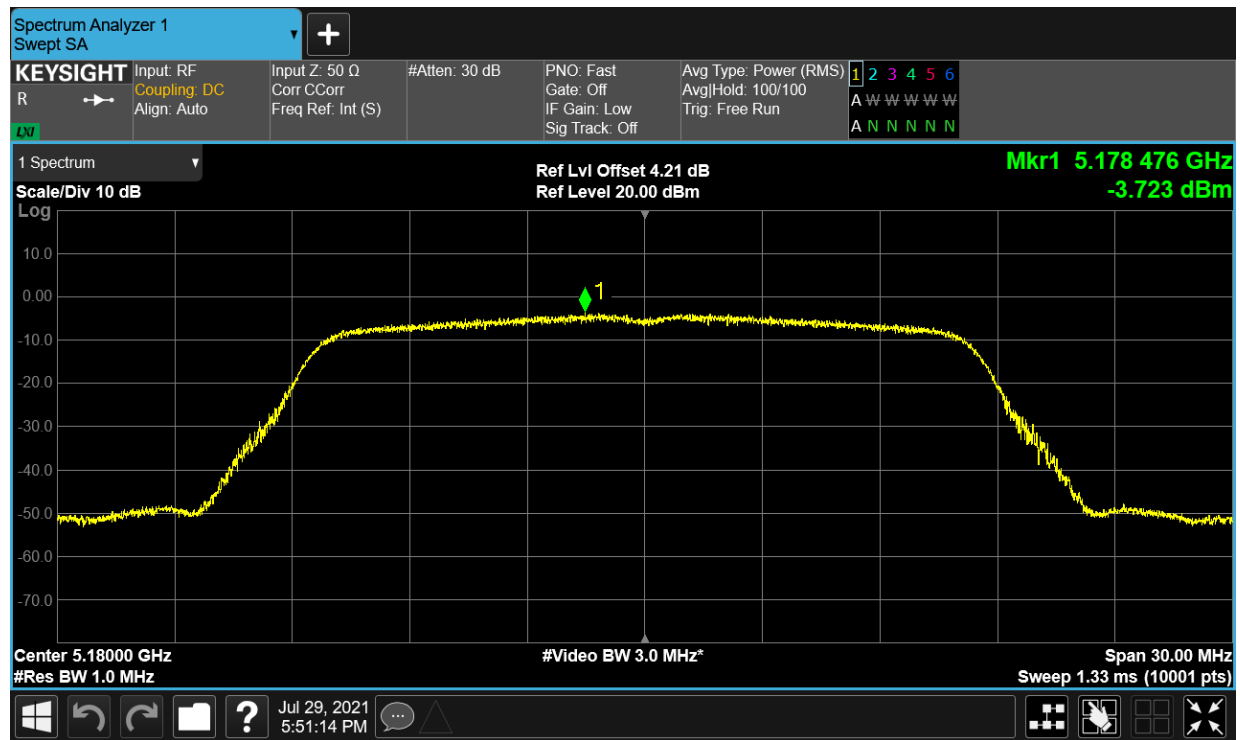


Maximum Power Spectral Density Level

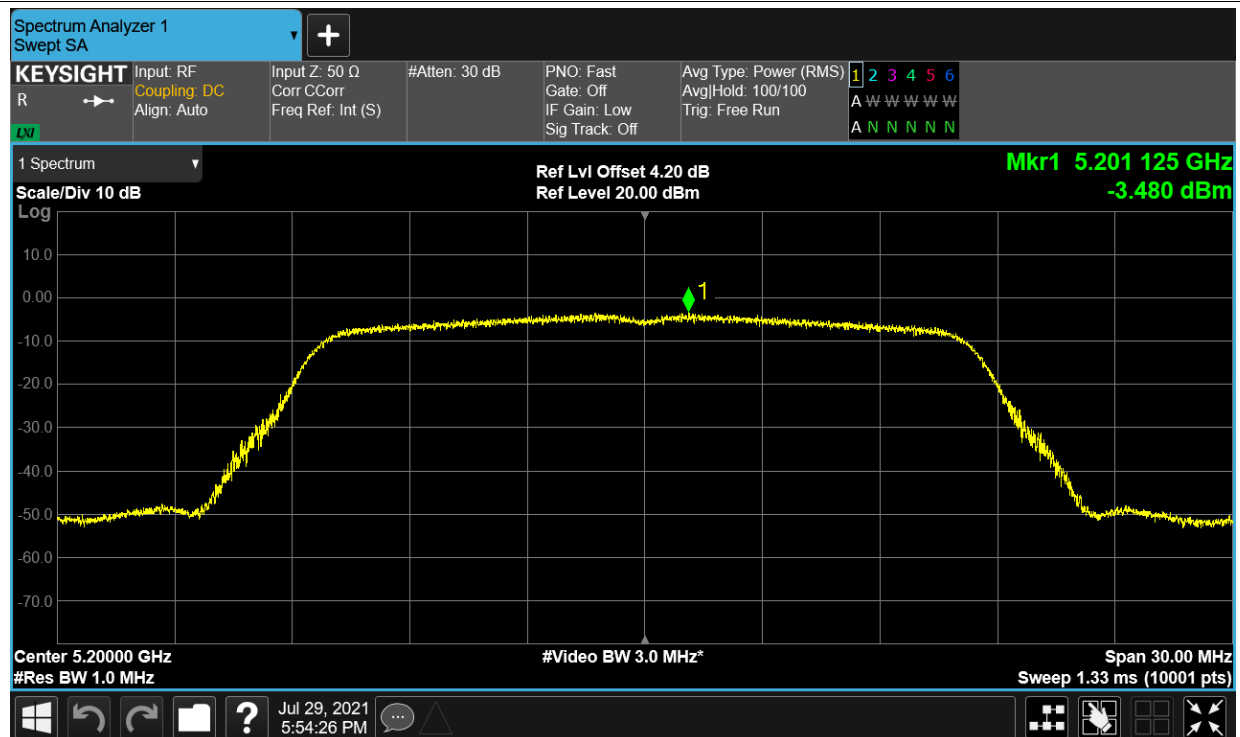
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-3.723	11	Pass
NVNT	a	5200	Ant1	-3.48	11	Pass
NVNT	a	5240	Ant1	-3.576	11	Pass
NVNT	ac20	5180	Ant1	-3.88	11	Pass
NVNT	ac20	5200	Ant1	-4.031	11	Pass
NVNT	ac20	5240	Ant1	-4.695	11	Pass
NVNT	ac40	5190	Ant1	-6.283	11	Pass
NVNT	ac40	5230	Ant1	-6.664	11	Pass
NVNT	ac80	5210	Ant1	-9.633	11	Pass
NVNT	n20	5180	Ant1	-3.671	11	Pass
NVNT	n20	5200	Ant1	-3.737	11	Pass
NVNT	n20	5240	Ant1	-3.816	11	Pass
NVNT	n40	5190	Ant1	-6.581	11	Pass
NVNT	n40	5230	Ant1	-6.865	11	Pass

Test Graphs

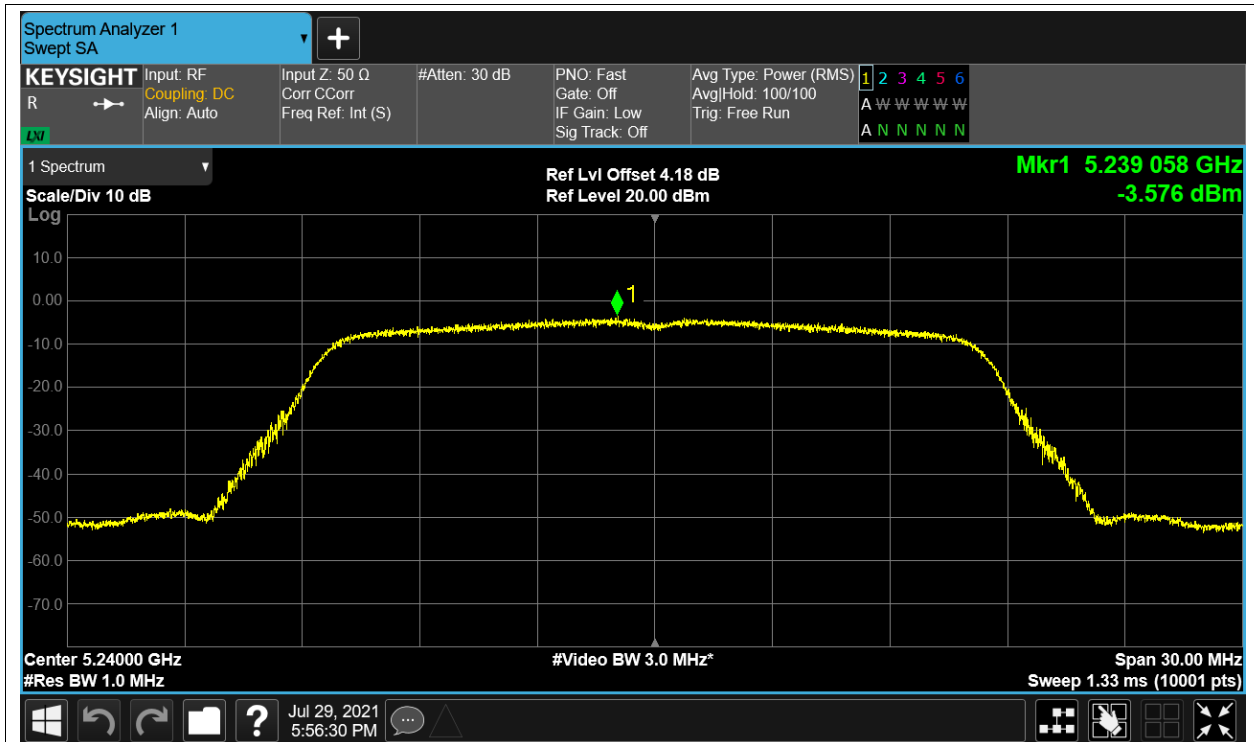
PSD NVNT a 5180MHz Ant1



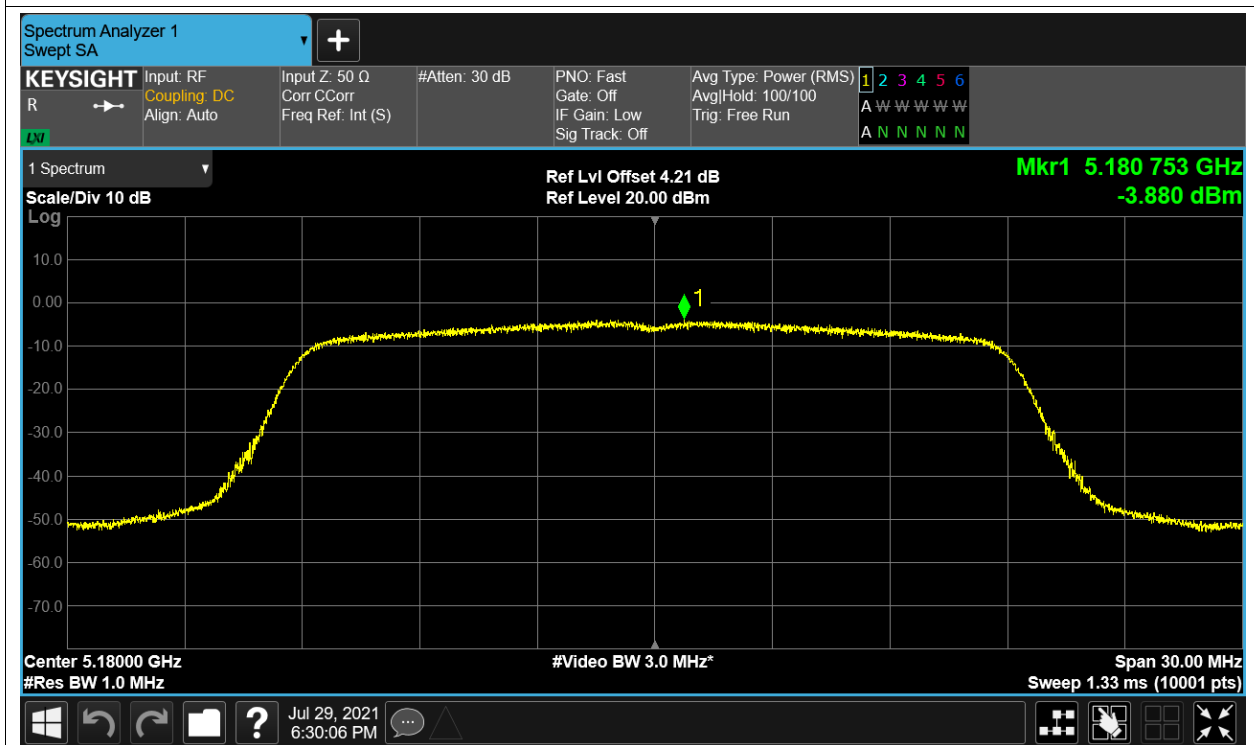
PSD NVNT a 5200MHz Ant1



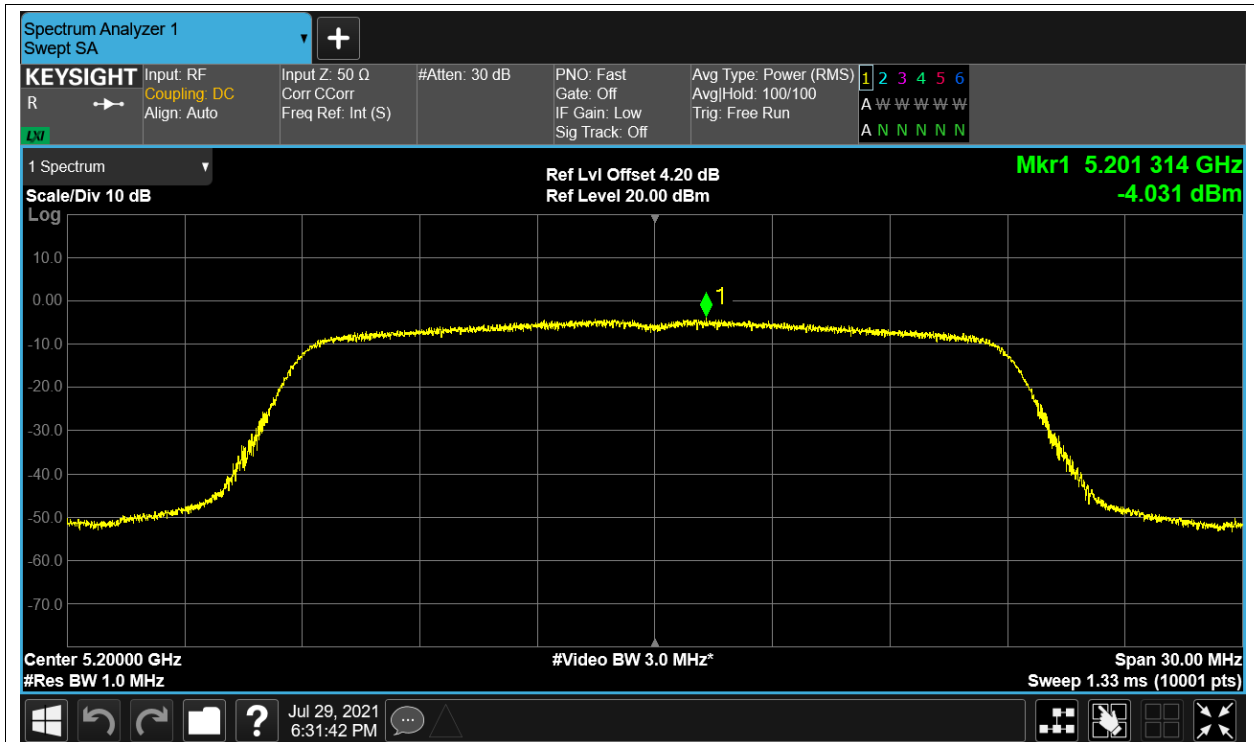
PSD NVNT a 5240MHz Ant1



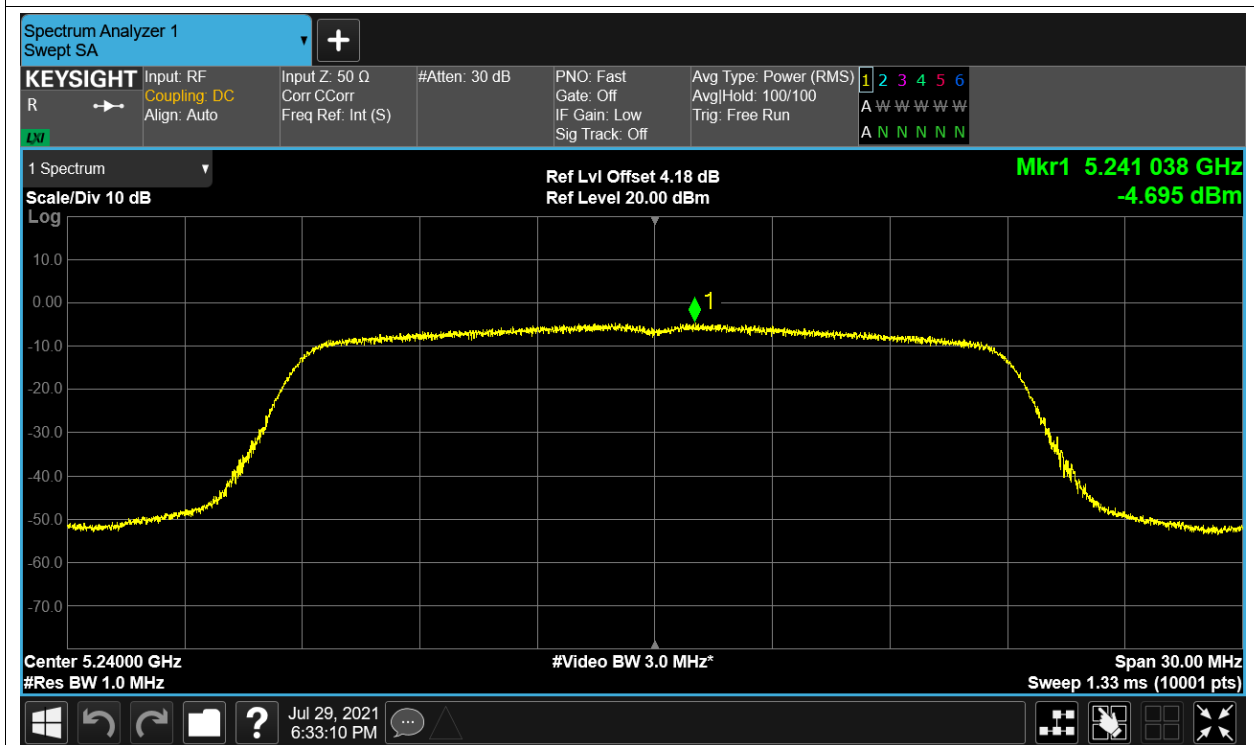
PSD NVNT ac20 5180MHz Ant1



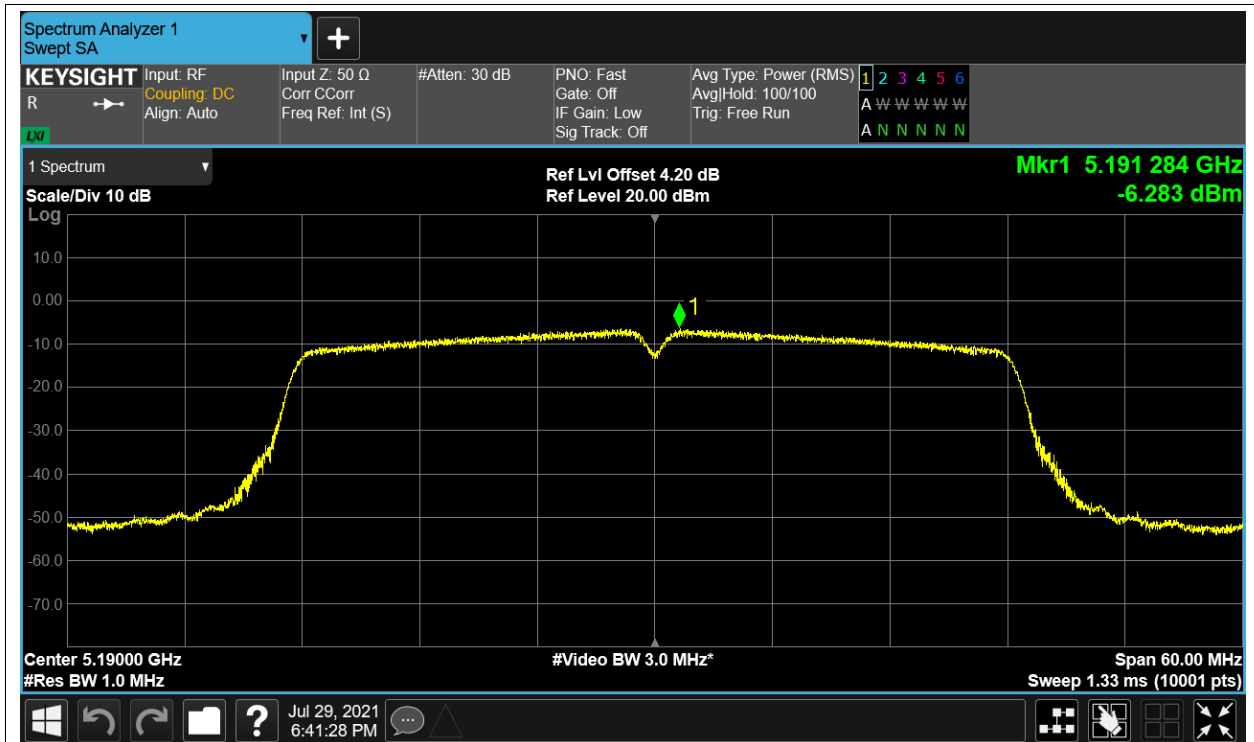
PSD NVNT ac20 5200MHz Ant1



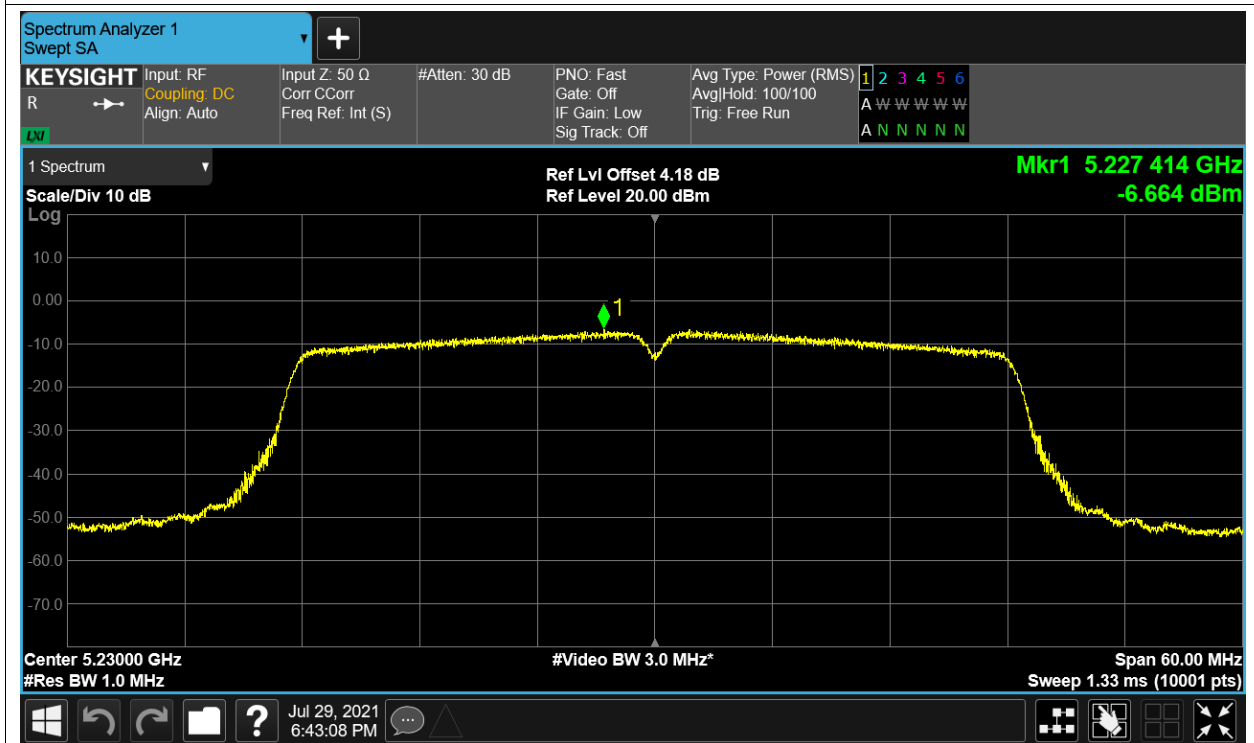
PSD NVNT ac20 5240MHz Ant1



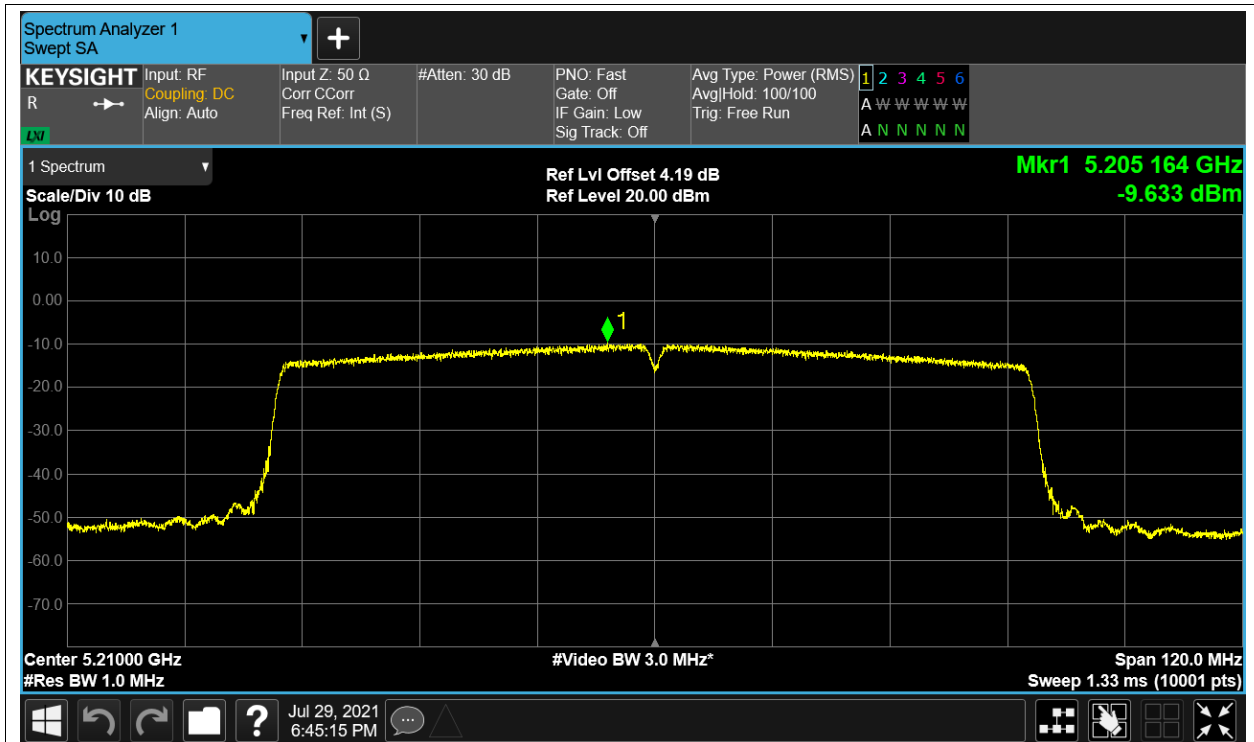
PSD NVNT ac40 5190MHz Ant1



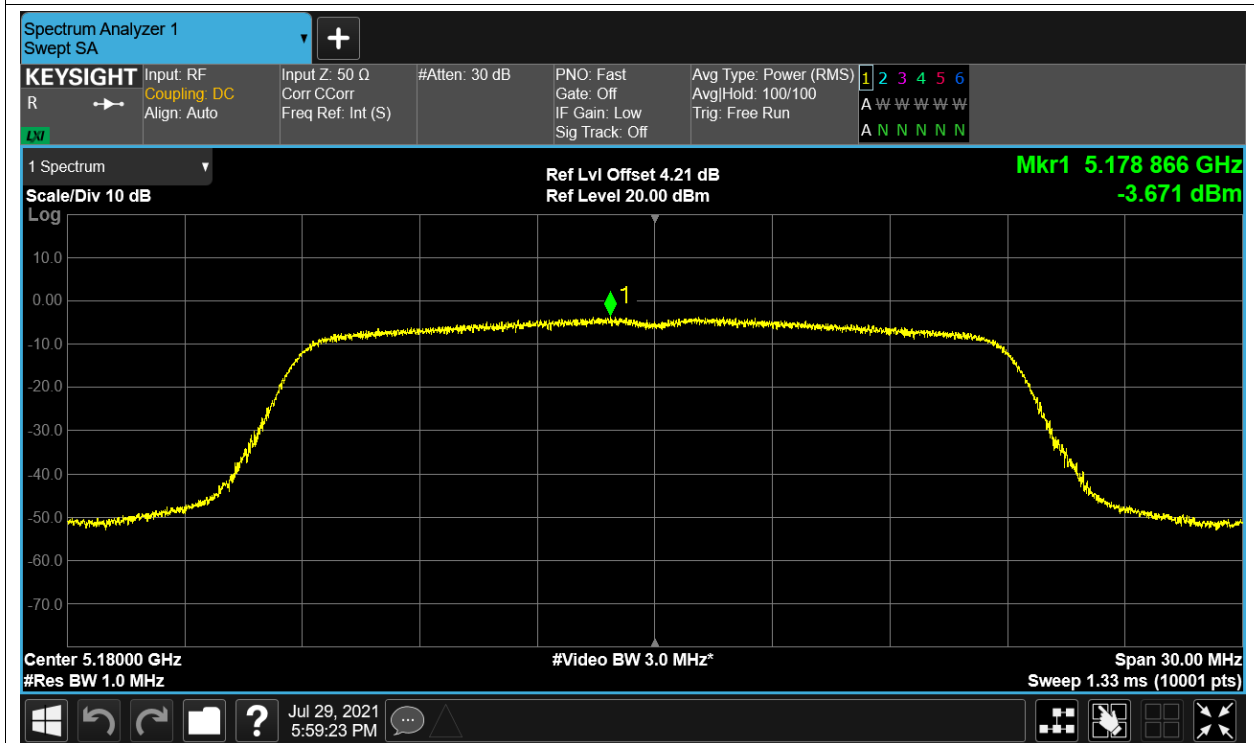
PSD NVNT ac40 5230MHz Ant1



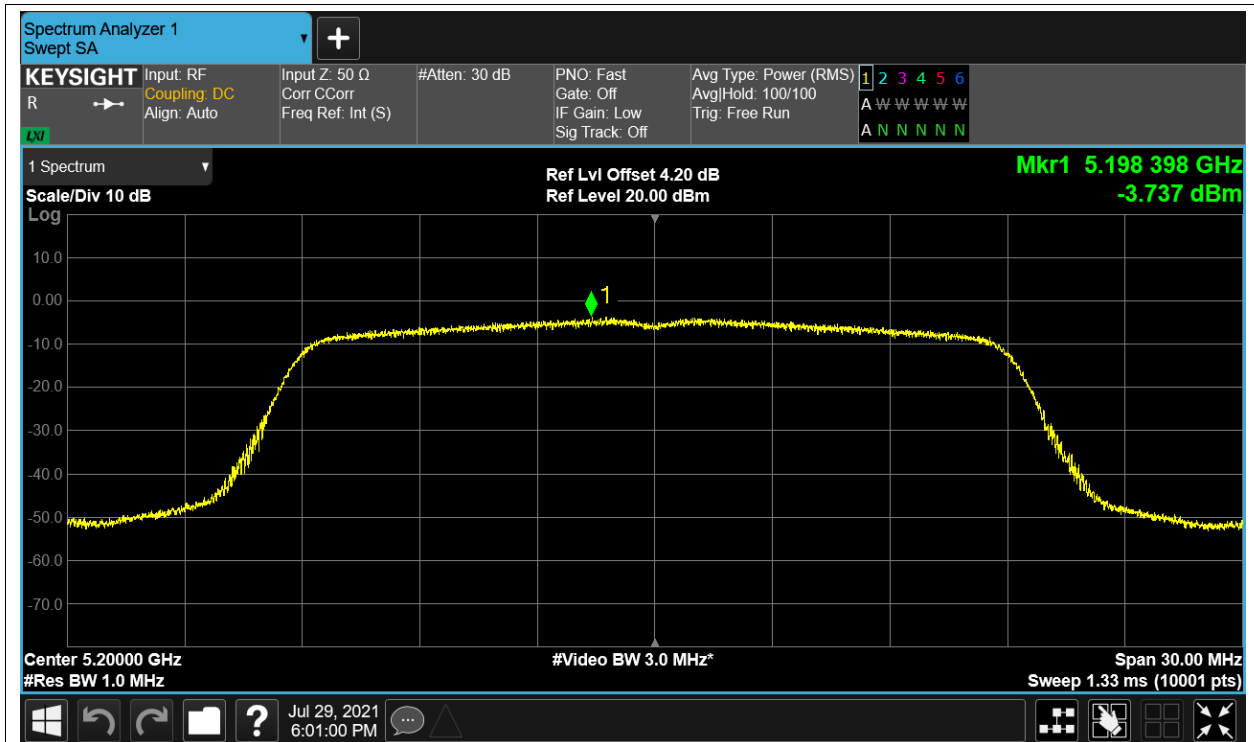
PSD NVNT ac80 5210MHz Ant1



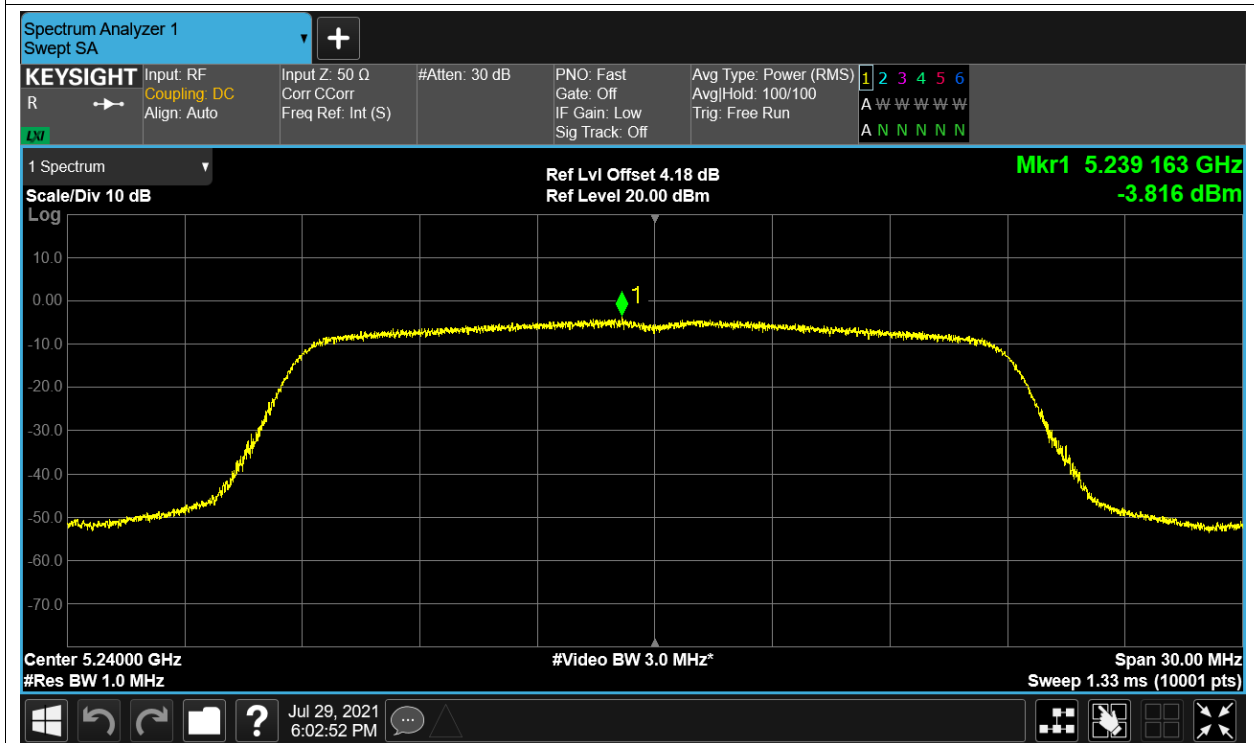
PSD NVNT n20 5180MHz Ant1



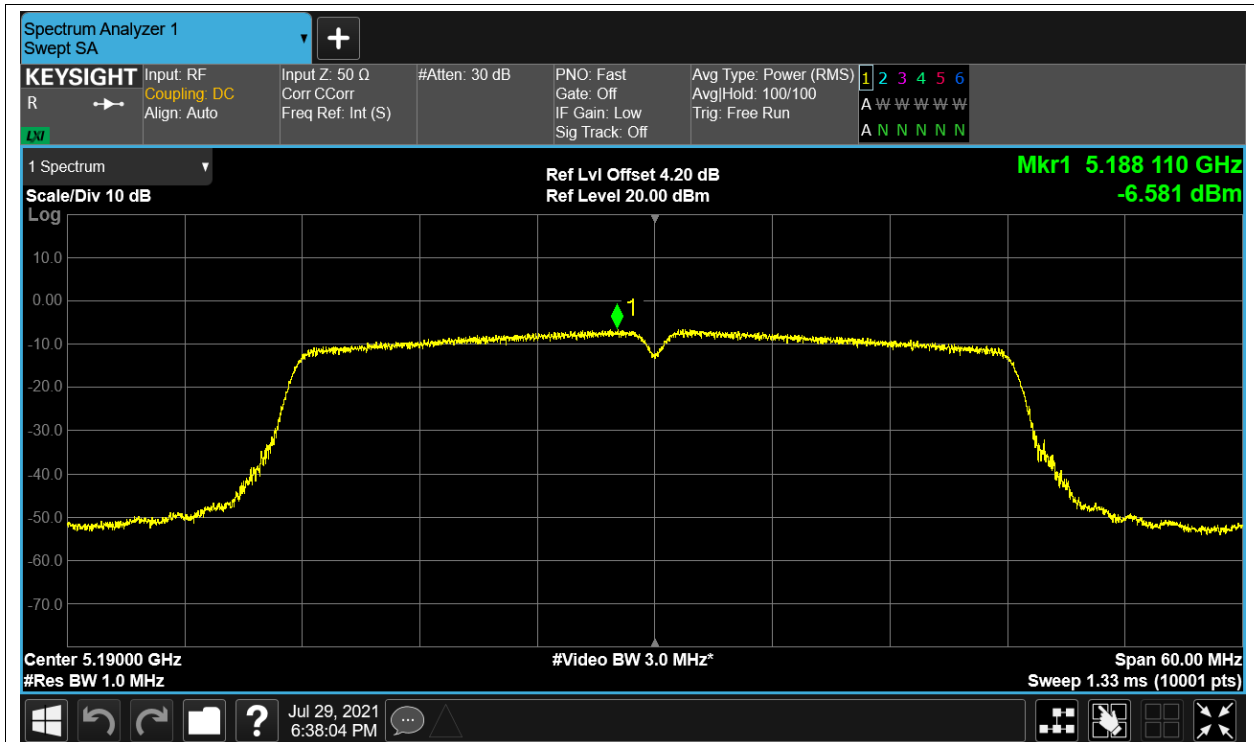
PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

