

Test Data

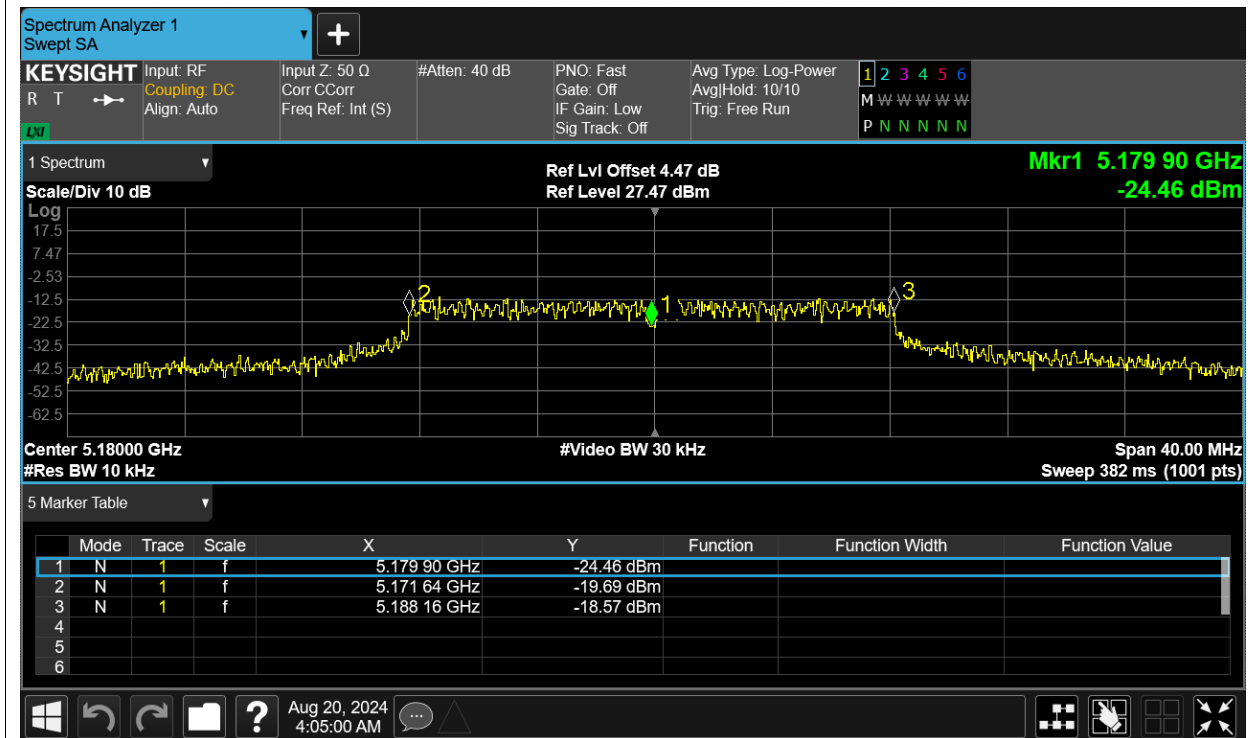
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
LVLT	a	5180	Ant1	5179.9	-19.31	Within authorized band	Pass
LVNT	a	5180	Ant1	5179.9	-19.31		Pass
NVHT	a	5180	Ant1	5179.9	-19.31		Pass
NVLT	a	5180	Ant1	5179.9	-19.31		Pass
NVNT	a	5180	Ant1	5179.9	-19.31		Pass
LVLT	ac80	5210	Ant1	5209.92	-15.36		Pass
LVNT	ac80	5210	Ant1	5209.92	-15.36		Pass
NVHT	ac80	5210	Ant1	5209.92	-15.36		Pass
NVLT	ac80	5210	Ant1	5209.92	-15.36		Pass
NVNT	ac80	5210	Ant1	5209.920239	-15.31		Pass
LVLT	n40	5190	Ant1	5189.92	-15.41		Pass
LVNT	n40	5190	Ant1	5189.92	-15.41		Pass
NVHT	n40	5190	Ant1	5189.92	-15.41		Pass
NVLT	n40	5190	Ant1	5189.92	-15.41		Pass
NVNT	n40	5190	Ant1	5189.92	-15.41		Pass

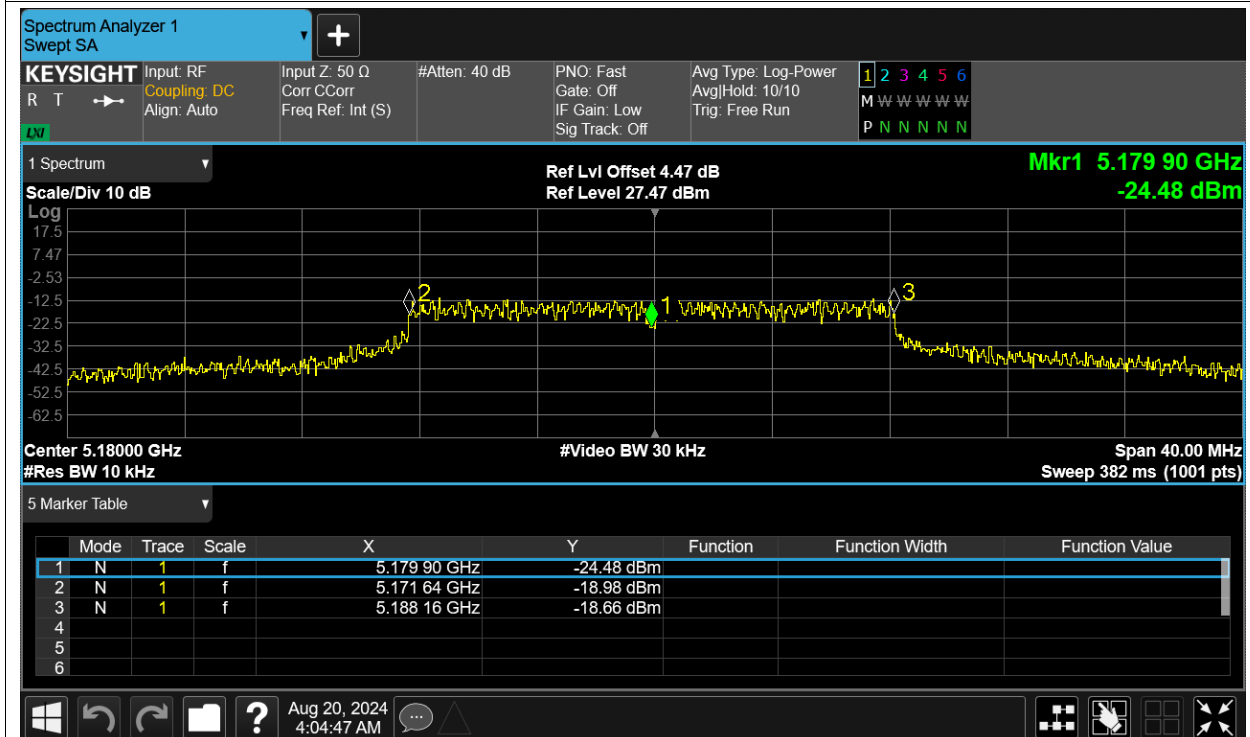
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

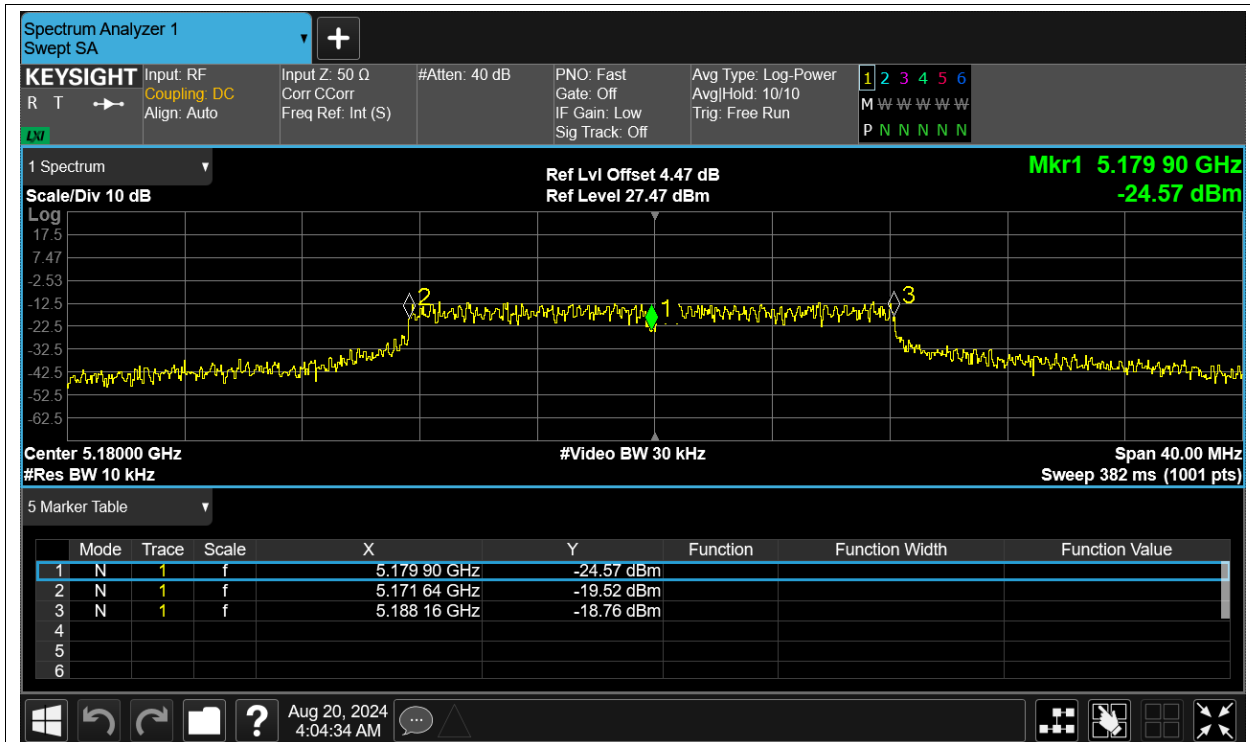
Freq. Stability LVLT a 5180MHz Ant1



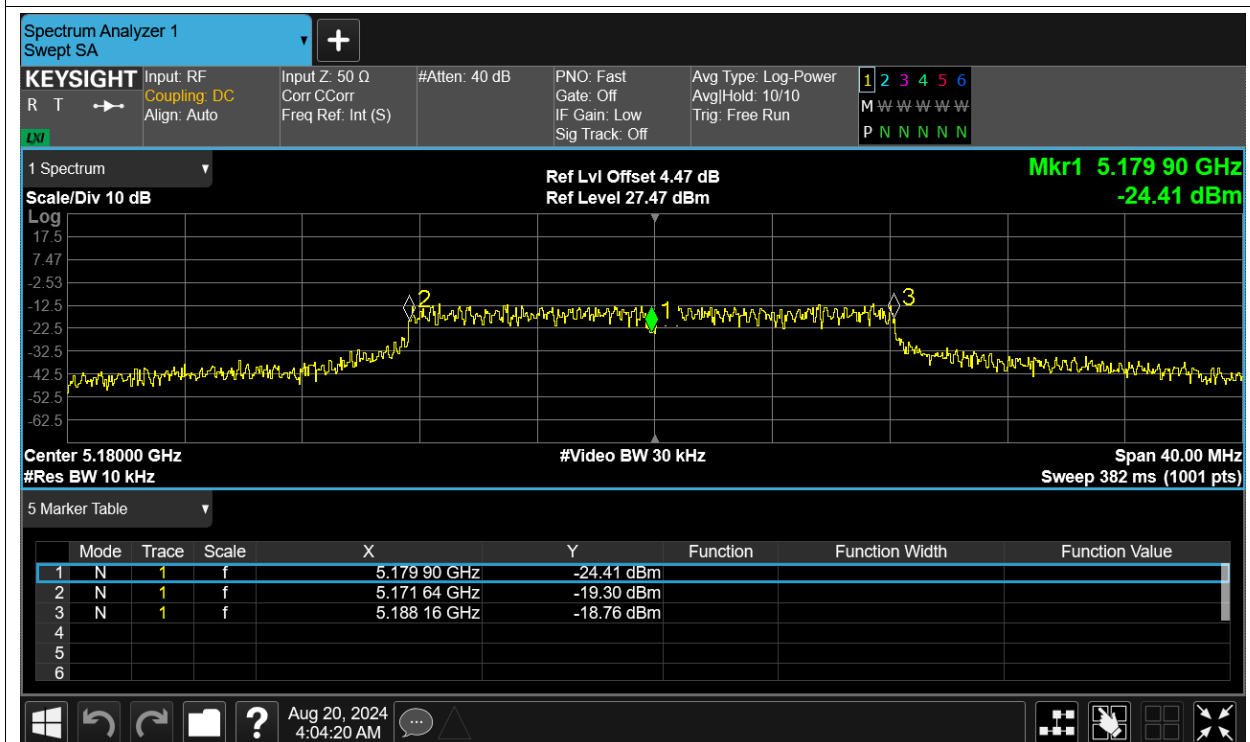
Freq. Stability LVNT a 5180MHz Ant1



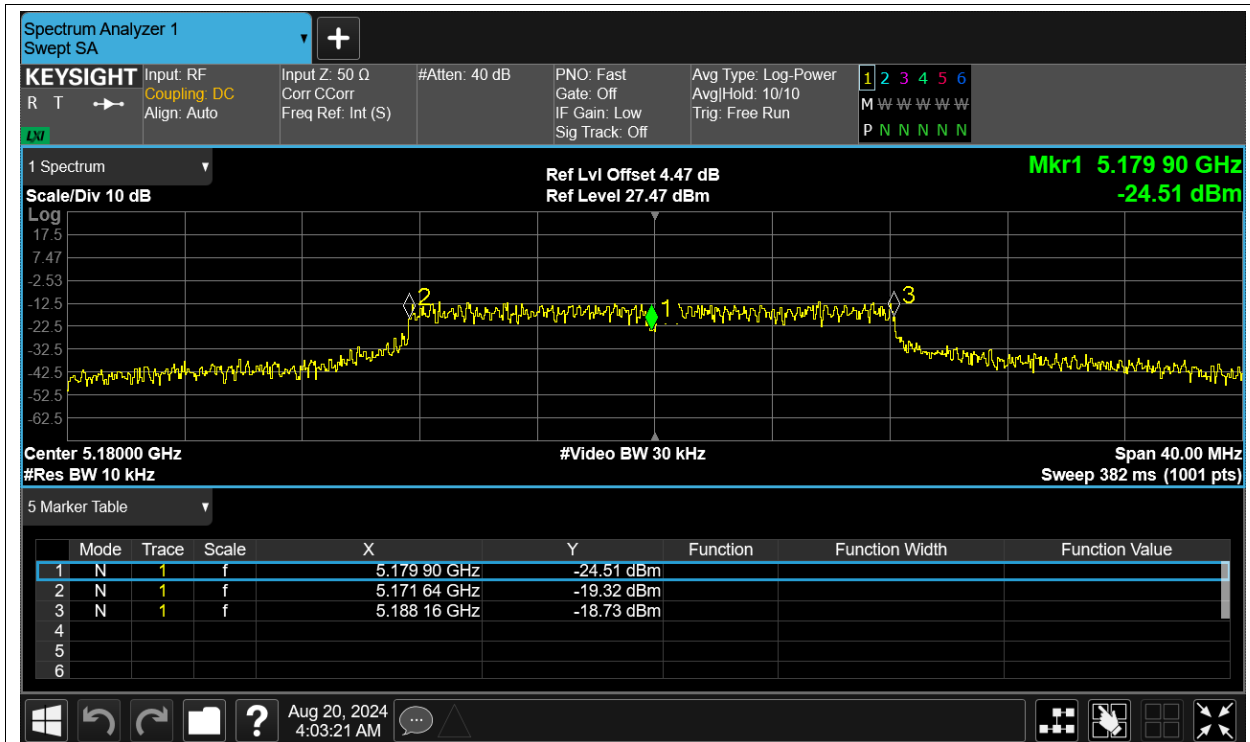
Freq. Stability NVHT a 5180MHz Ant1



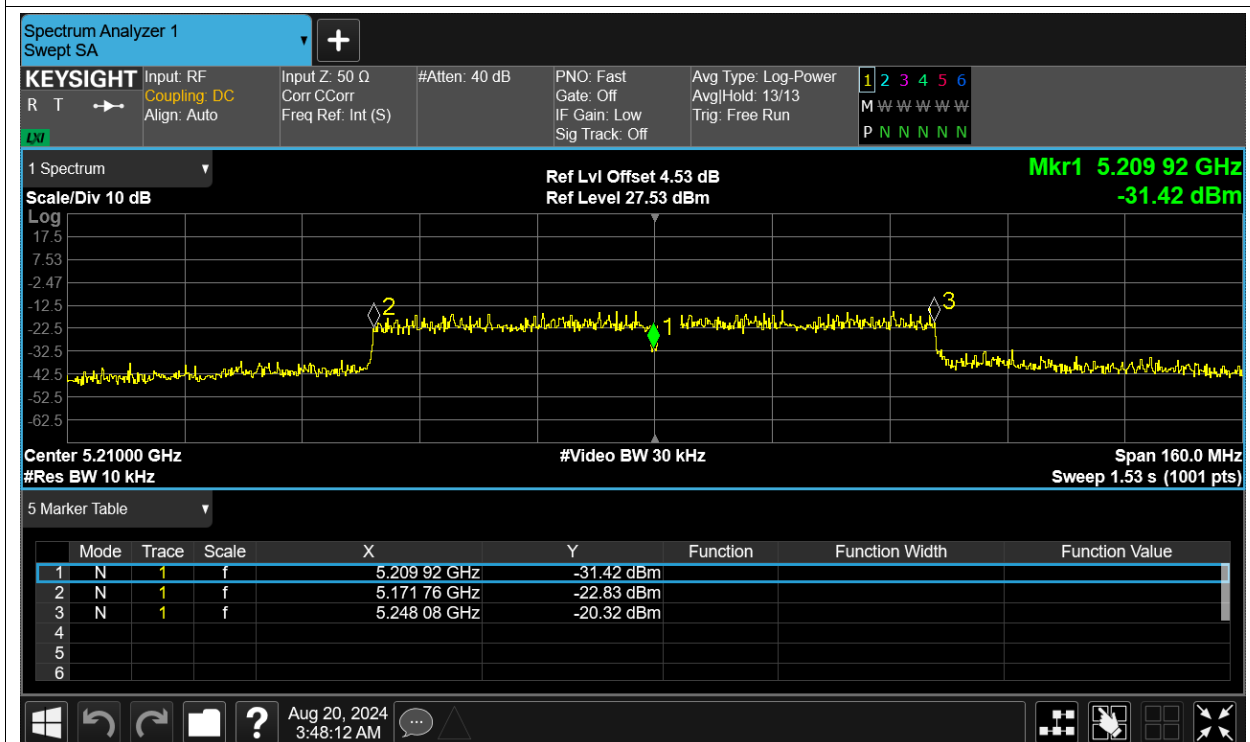
Freq. Stability NVLT a 5180MHz Ant1



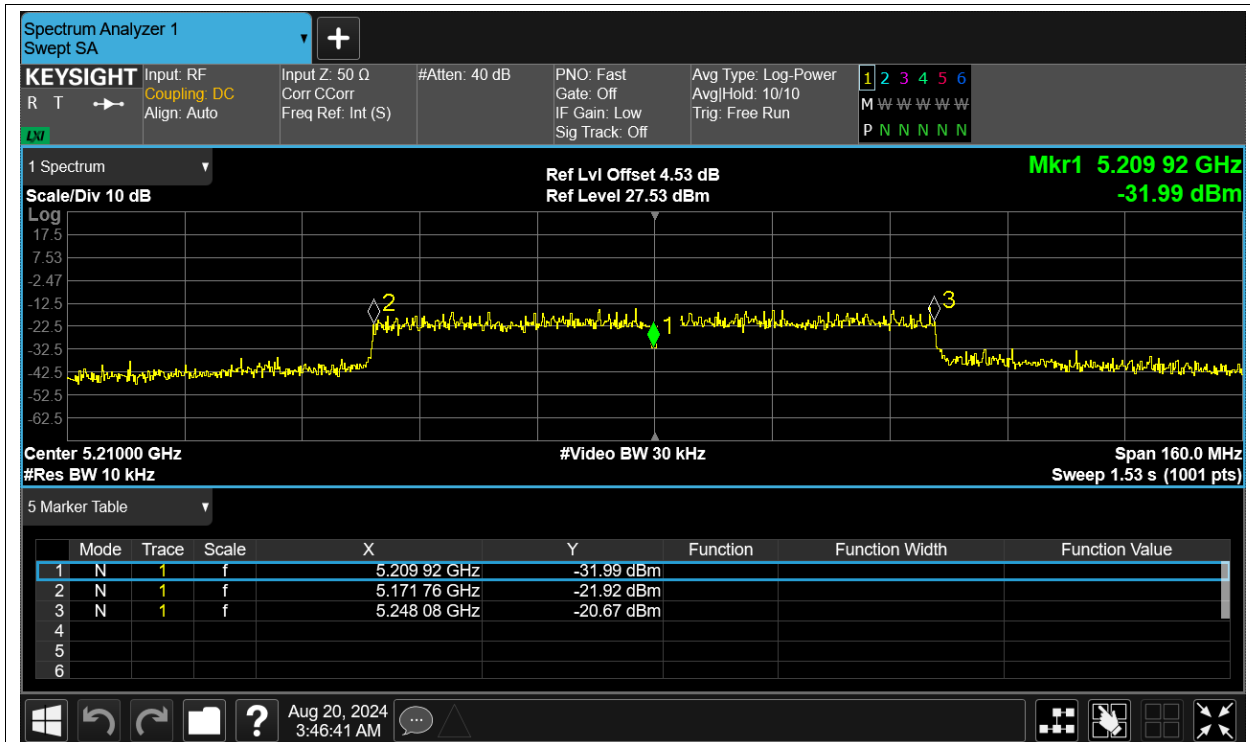
Freq. Stability NVNT a 5180MHz Ant1



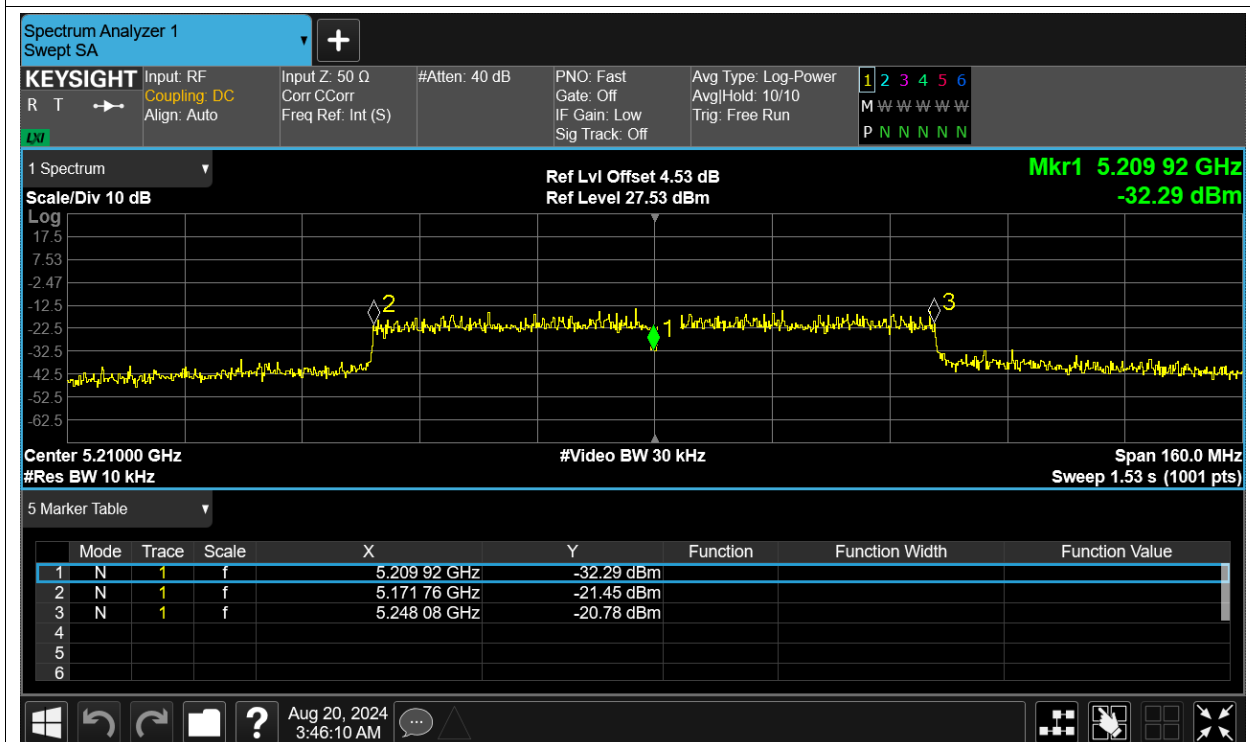
Freq. Stability LVLTL ac80 5210MHz Ant1



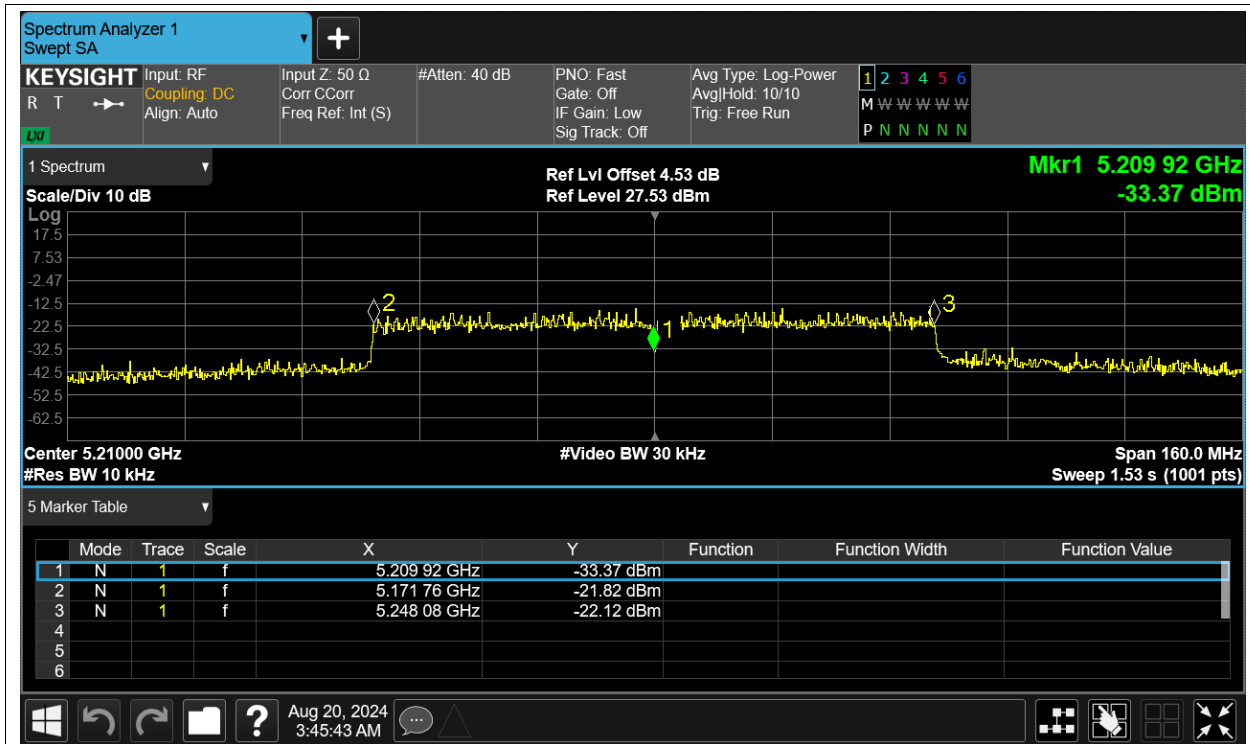
Freq. Stability LVNT ac80 5210MHz Ant1



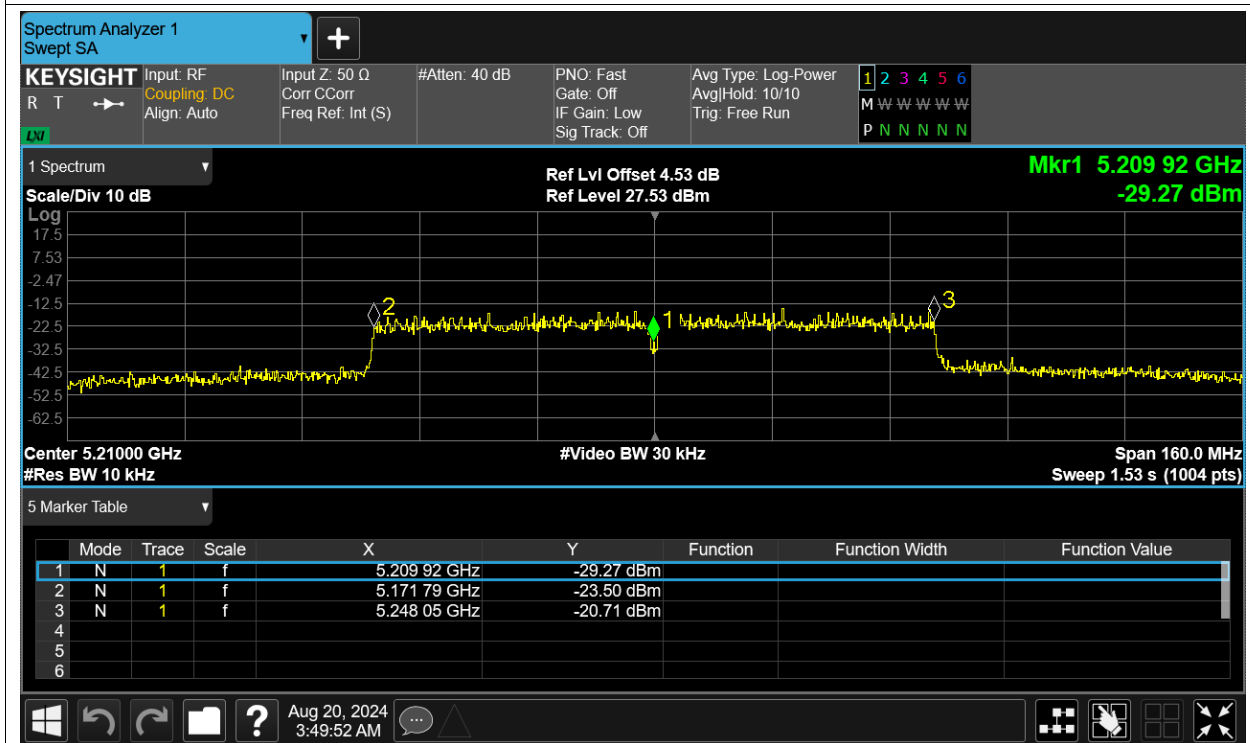
Freq. Stability NVHT ac80 5210MHz Ant1



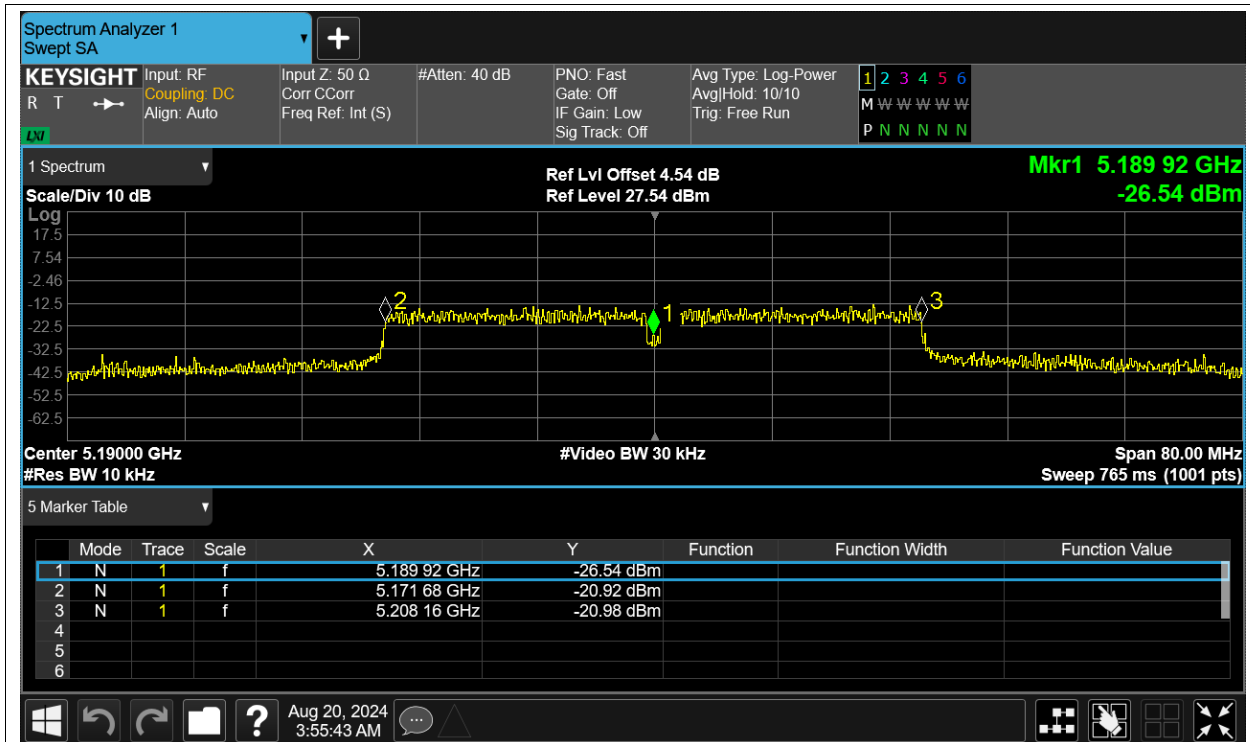
Freq. Stability NVLT ac80 5210MHz Ant1



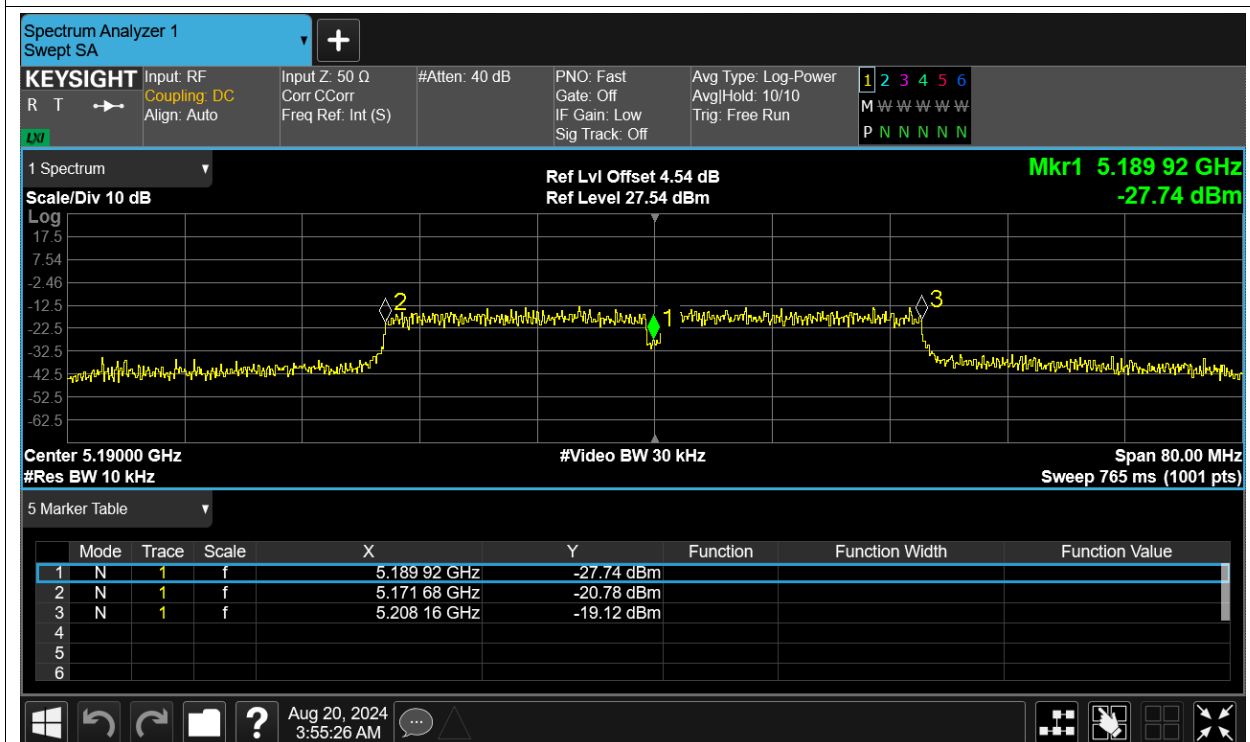
Freq. Stability NVNT ac80 5210MHz Ant1



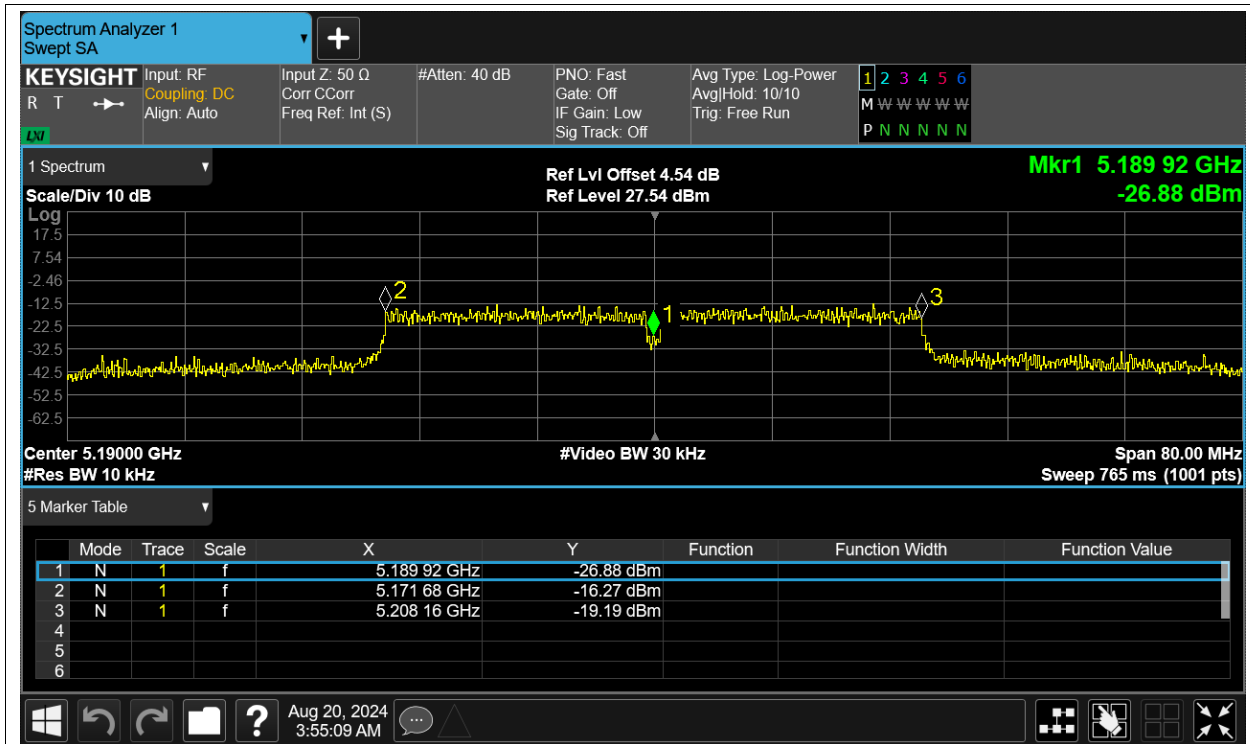
Freq. Stability LVLT n40 5190MHz Ant1



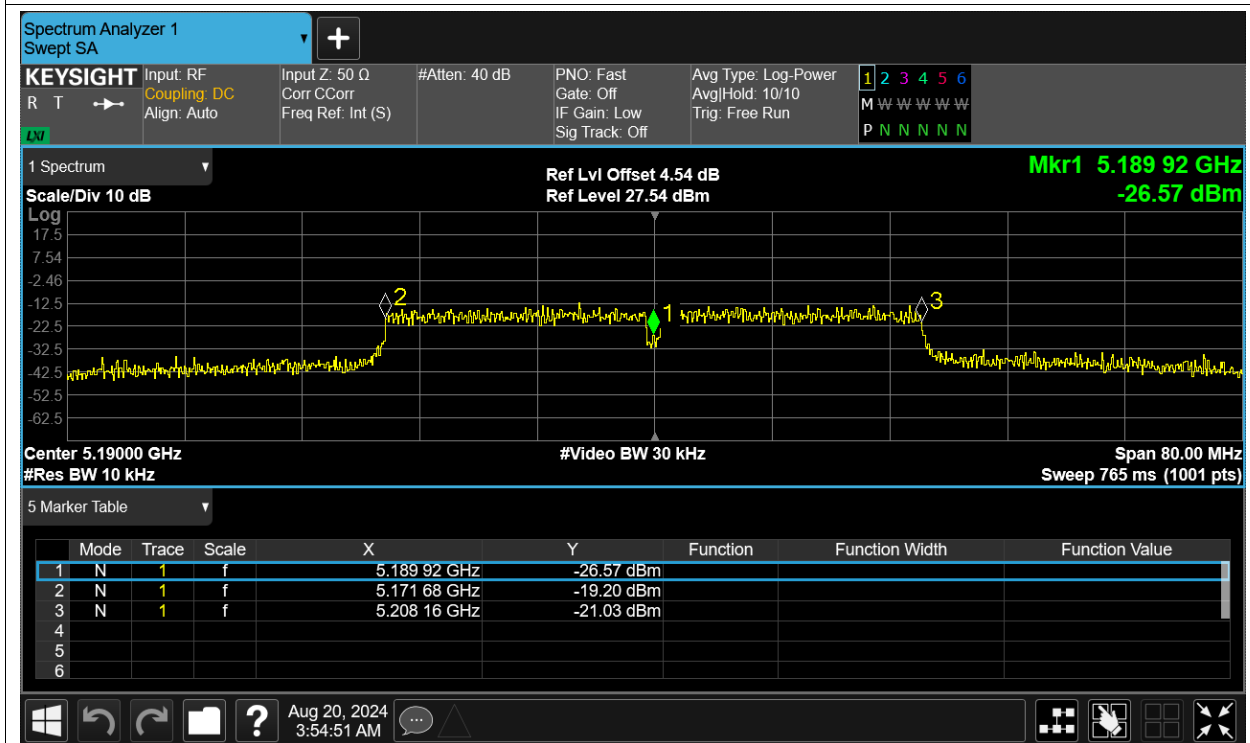
Freq. Stability LVNT n40 5190MHz Ant1



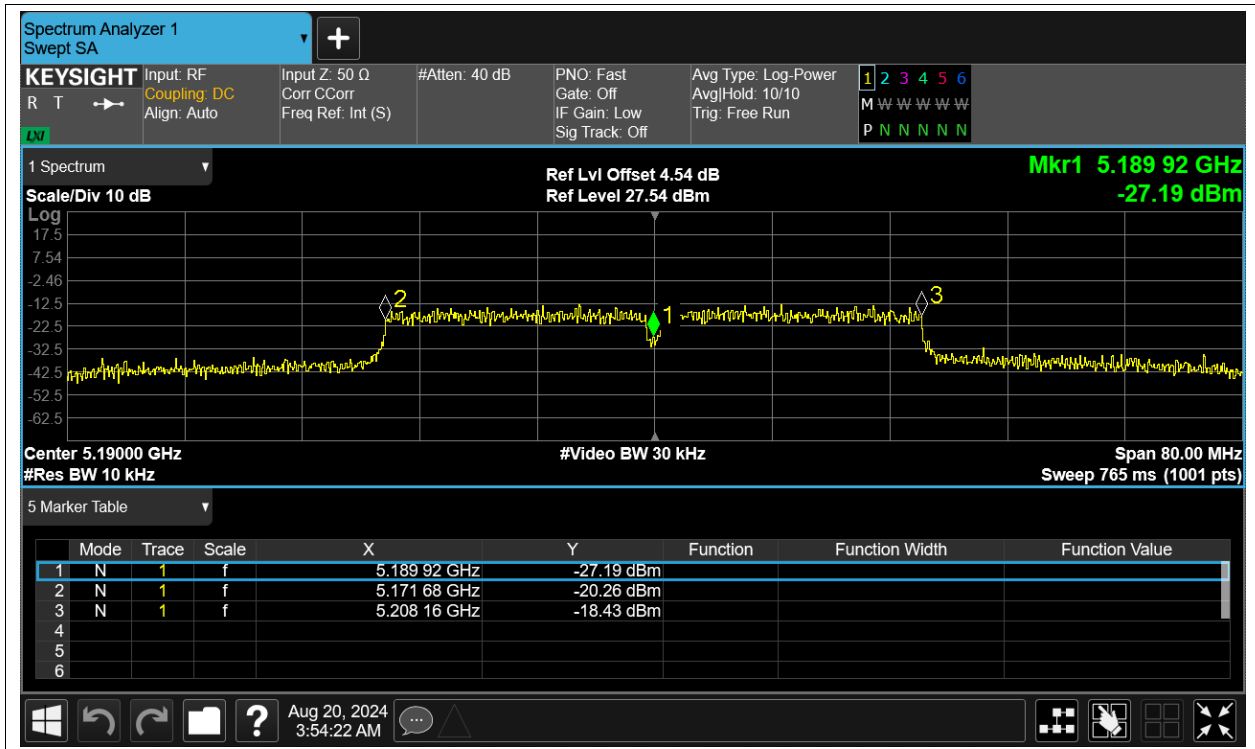
Freq. Stability NVHT n40 5190MHz Ant1



Freq. Stability NVLT n40 5190MHz Ant1



Freq. Stability NVNT n40 5190MHz Ant1

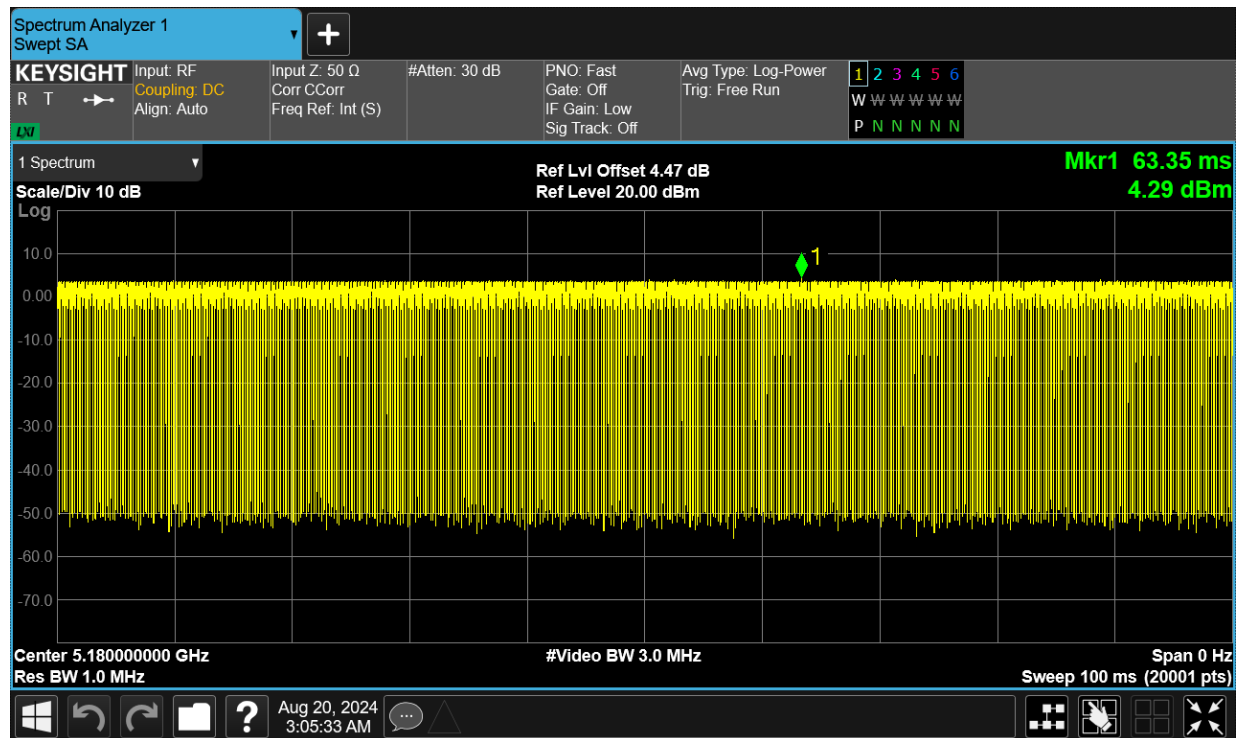


Duty Cycle

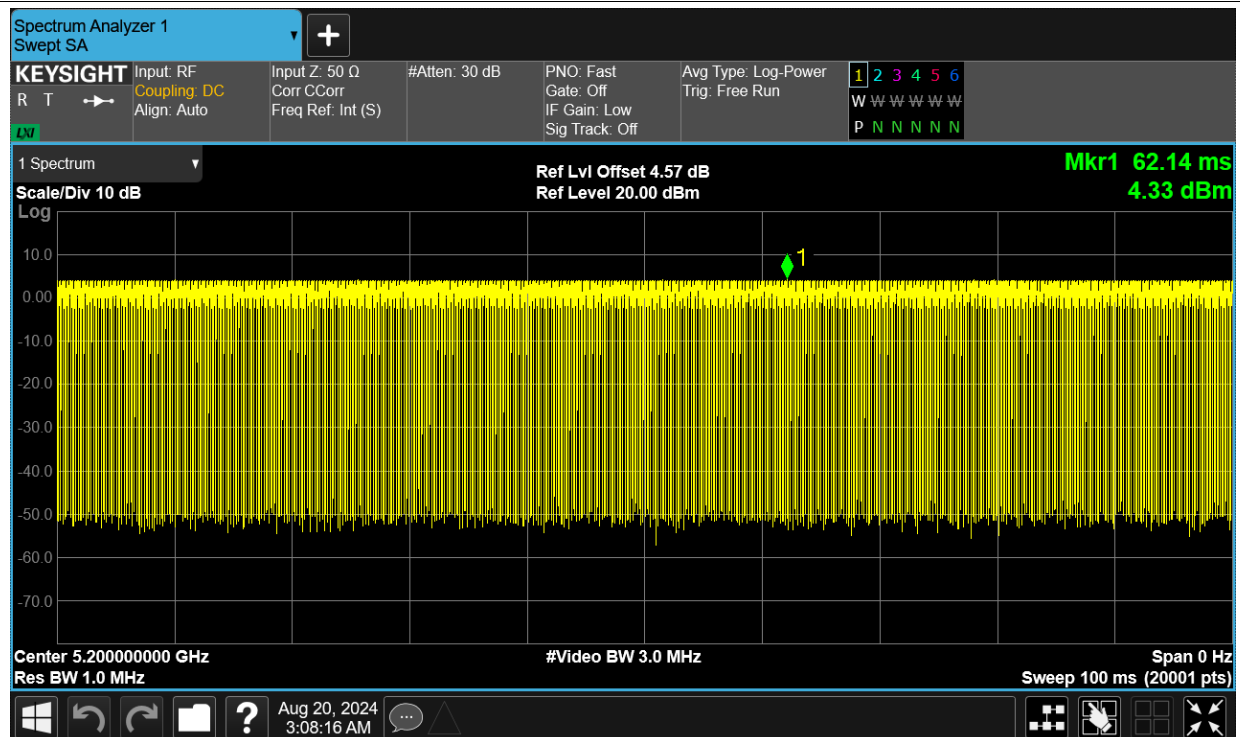
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	85.05	0.7
NVNT	a	5200	Ant1	84.96	0.71
NVNT	a	5240	Ant1	84.97	0.71
NVNT	ac20	5180	Ant1	82.85	0.82
NVNT	ac20	5200	Ant1	82.78	0.82
NVNT	ac20	5240	Ant1	82.82	0.82
NVNT	ac40	5190	Ant1	74.36	1.29
NVNT	ac40	5230	Ant1	74.82	1.26
NVNT	ac80	5210	Ant1	69.15	1.6
NVNT	n20	5180	Ant1	84.12	0.75
NVNT	n20	5200	Ant1	84.12	0.75
NVNT	n20	5240	Ant1	84.15	0.75
NVNT	n40	5190	Ant1	77.41	1.11
NVNT	n40	5230	Ant1	77.08	1.13

Test Graphs

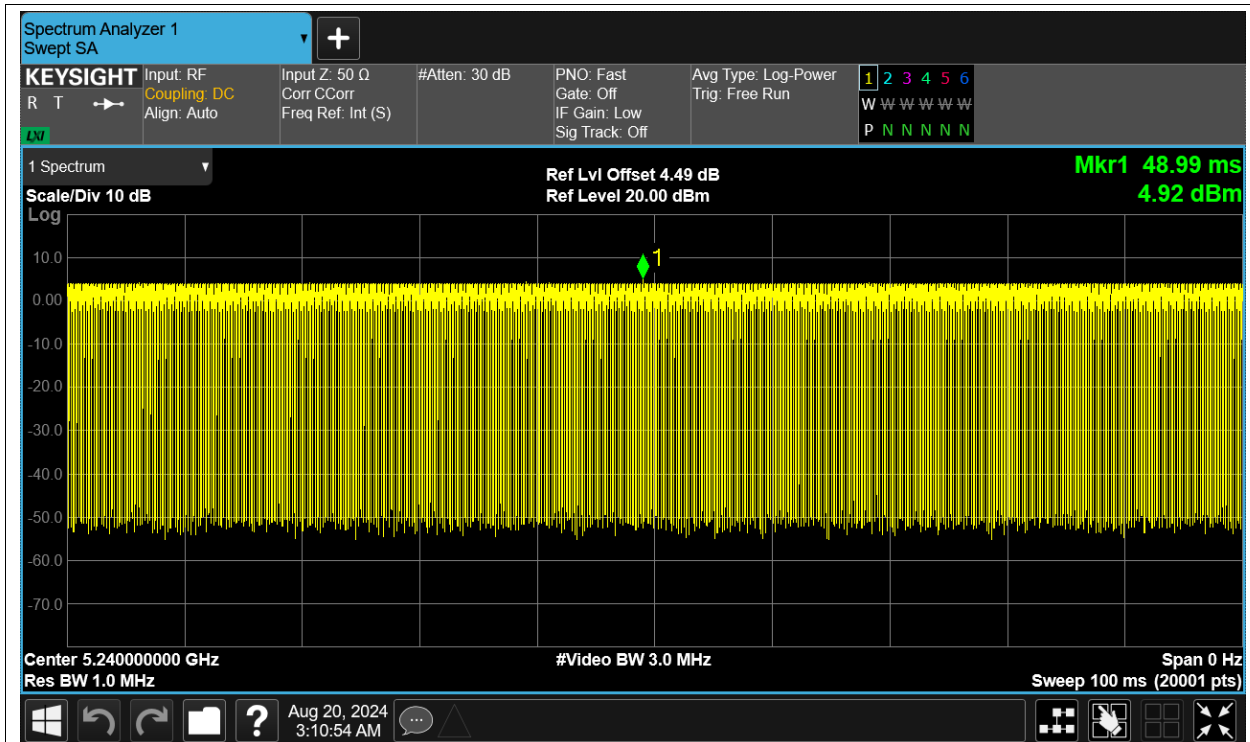
Duty Cycle NVNT a 5180MHz Ant1



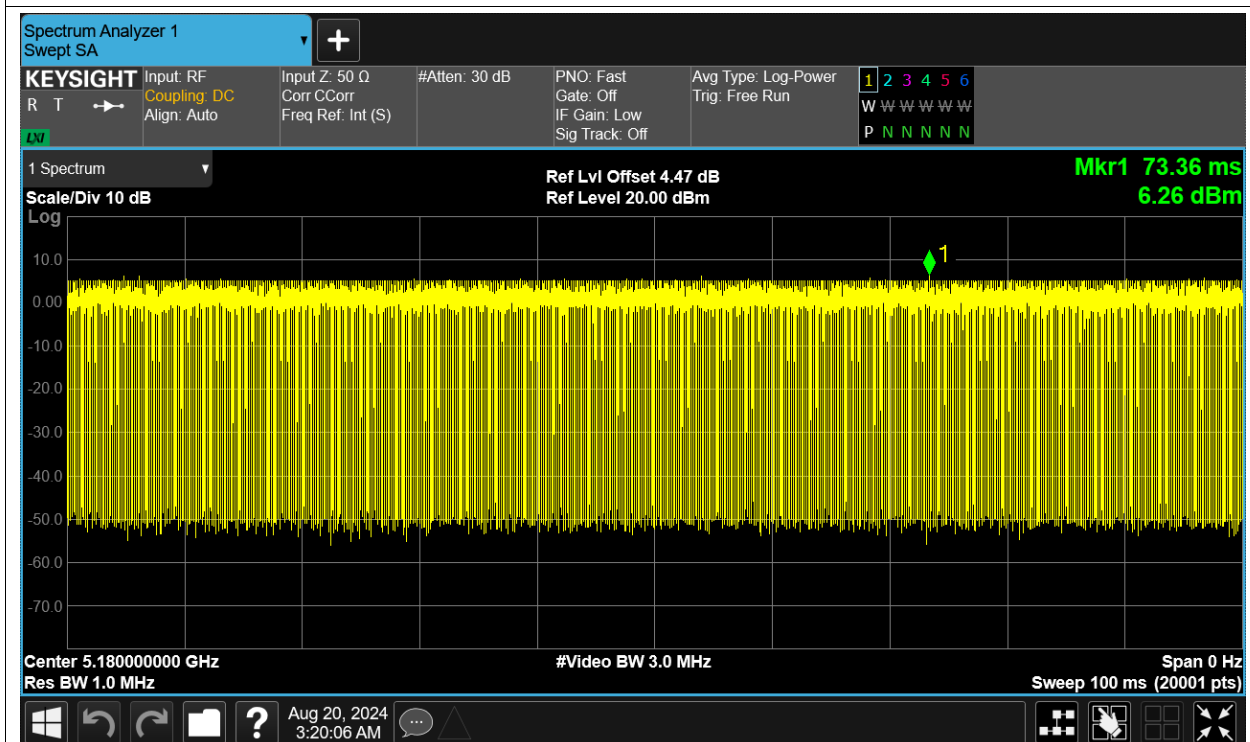
Duty Cycle NVNT a 5200MHz Ant1



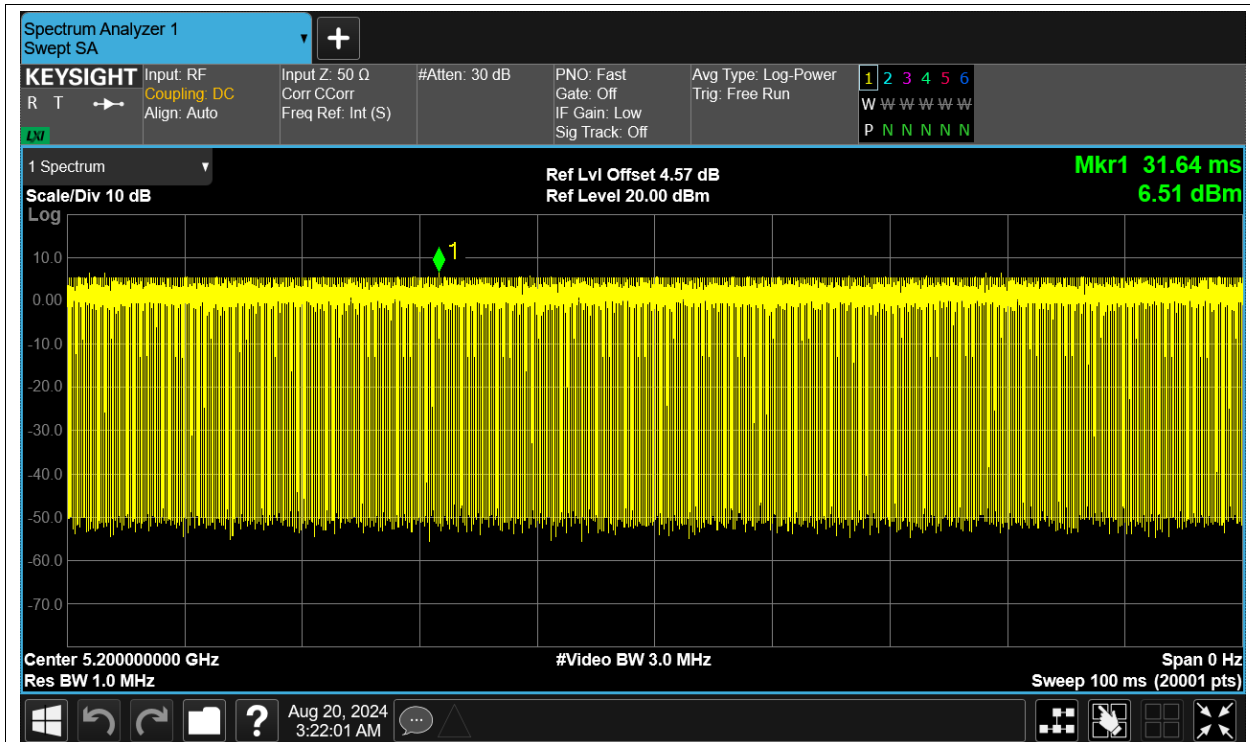
Duty Cycle NVNT a 5240MHz Ant1



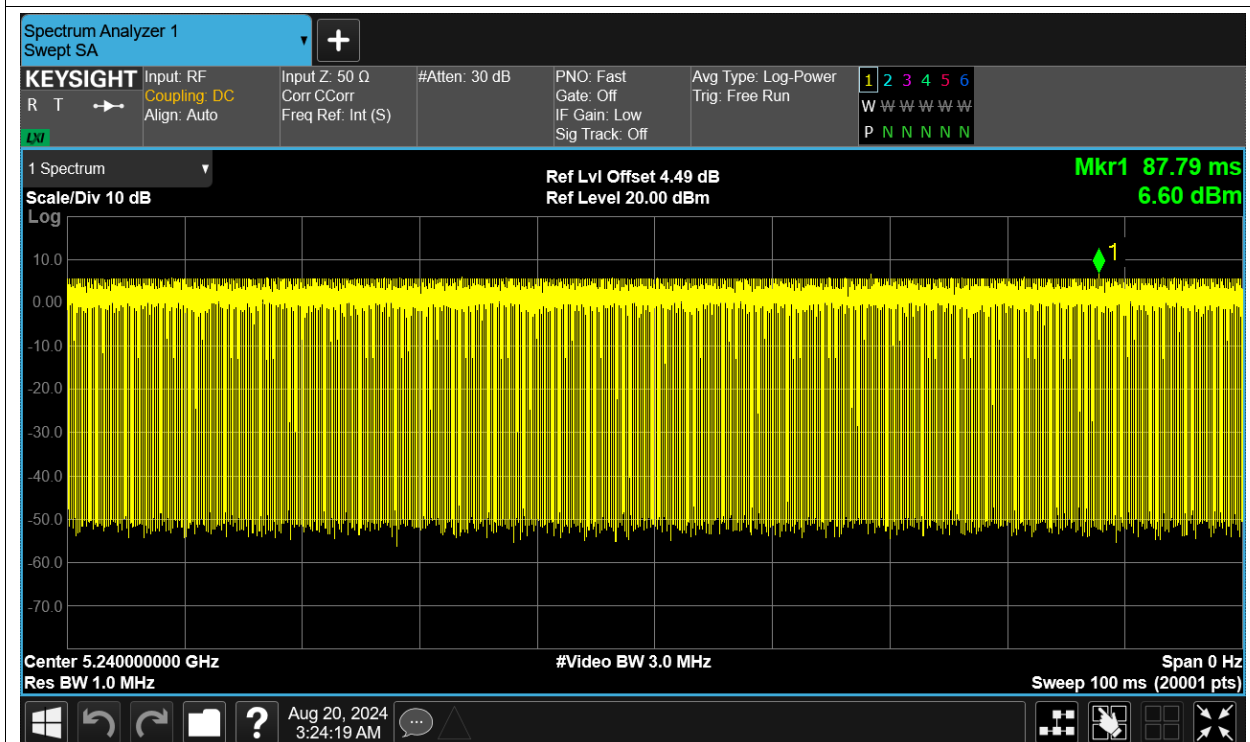
Duty Cycle NVNT ac20 5180MHz Ant1



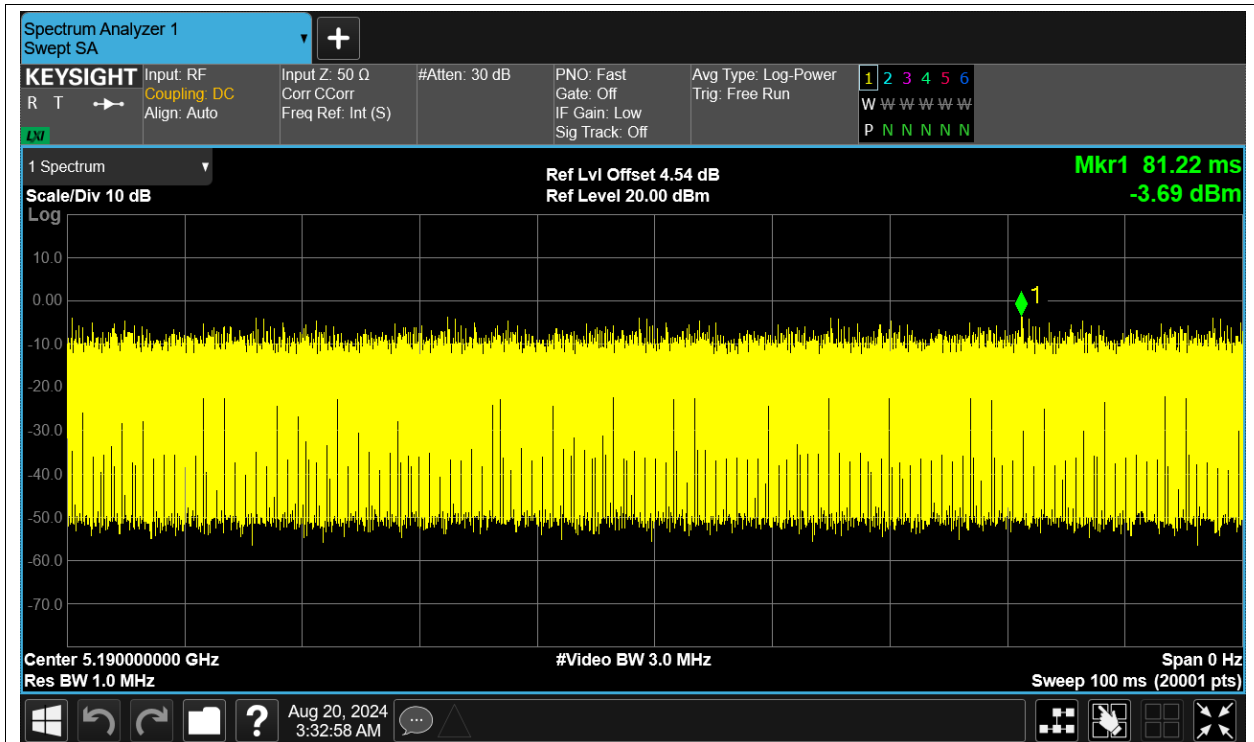
Duty Cycle NVNT ac20 5200MHz Ant1



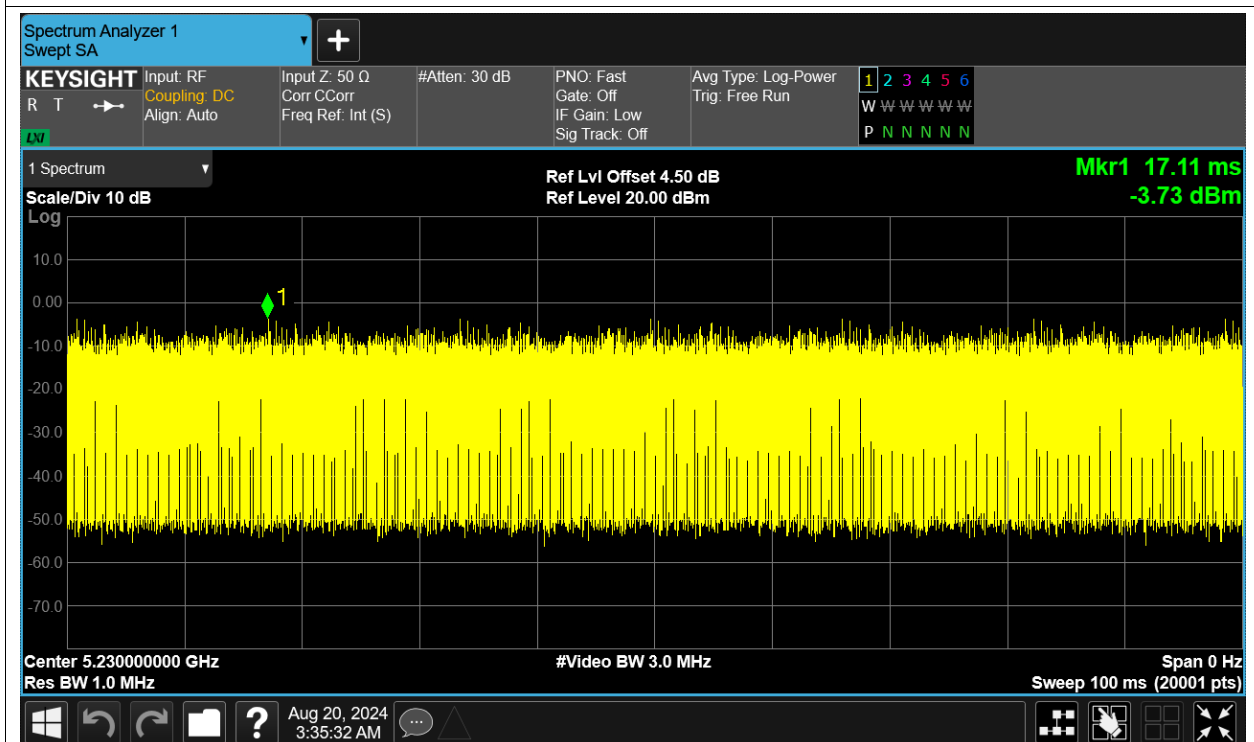
Duty Cycle NVNT ac20 5240MHz Ant1



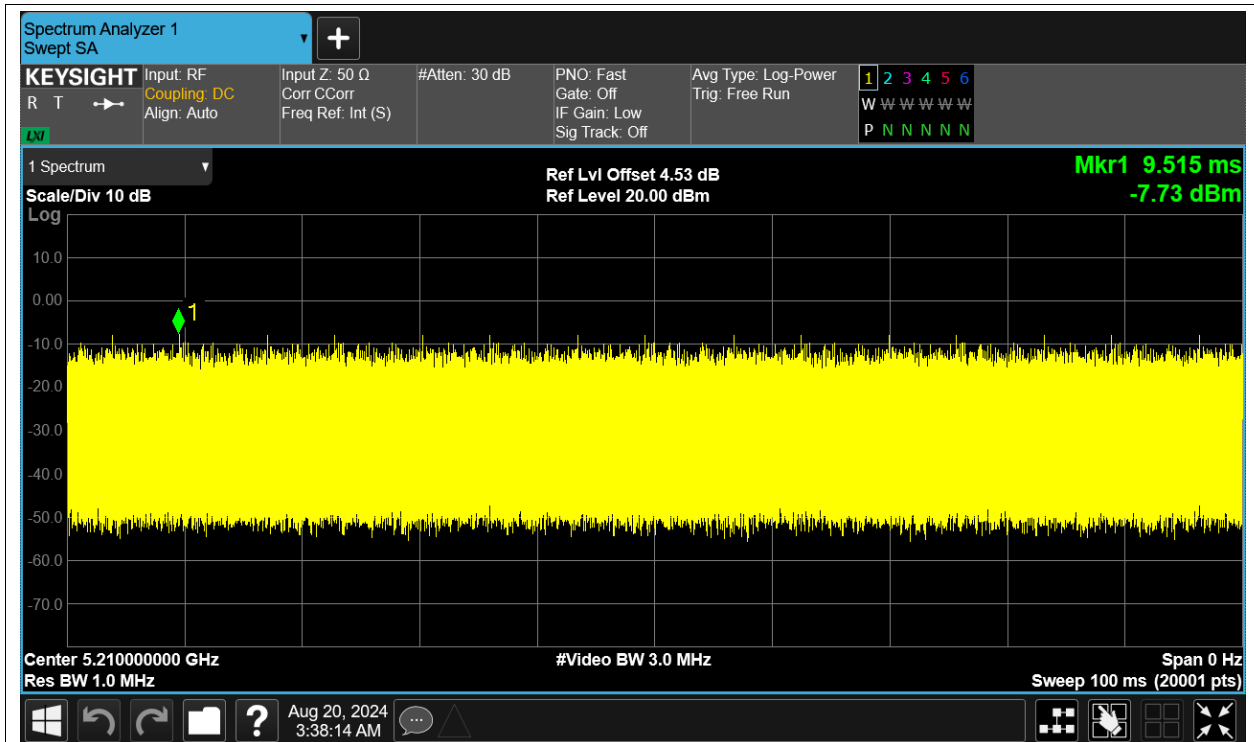
Duty Cycle NVNT ac40 5190MHz Ant1



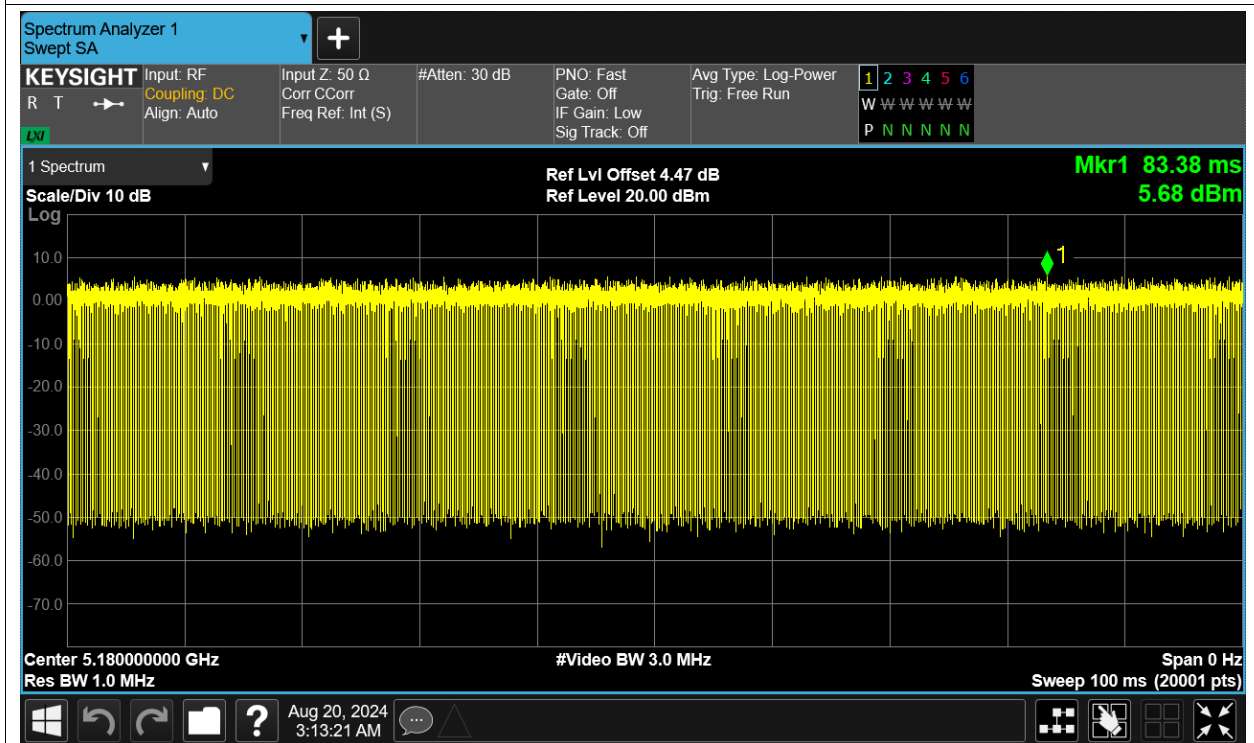
Duty Cycle NVNT ac40 5230MHz Ant1



Duty Cycle NVNT ac80 5210MHz Ant1



Duty Cycle NVNT n20 5180MHz Ant1



Duty Cycle NVNT n20 5200MHz Ant1



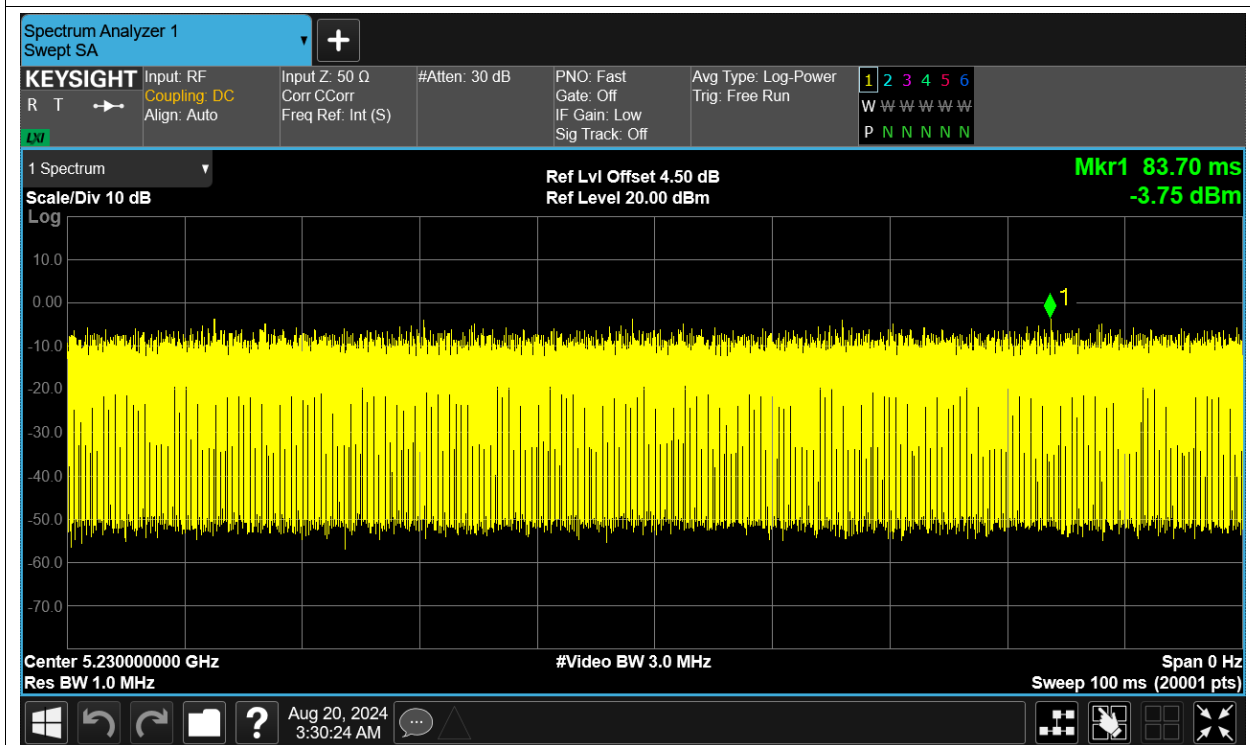
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1



Maximum Conducted Output Power

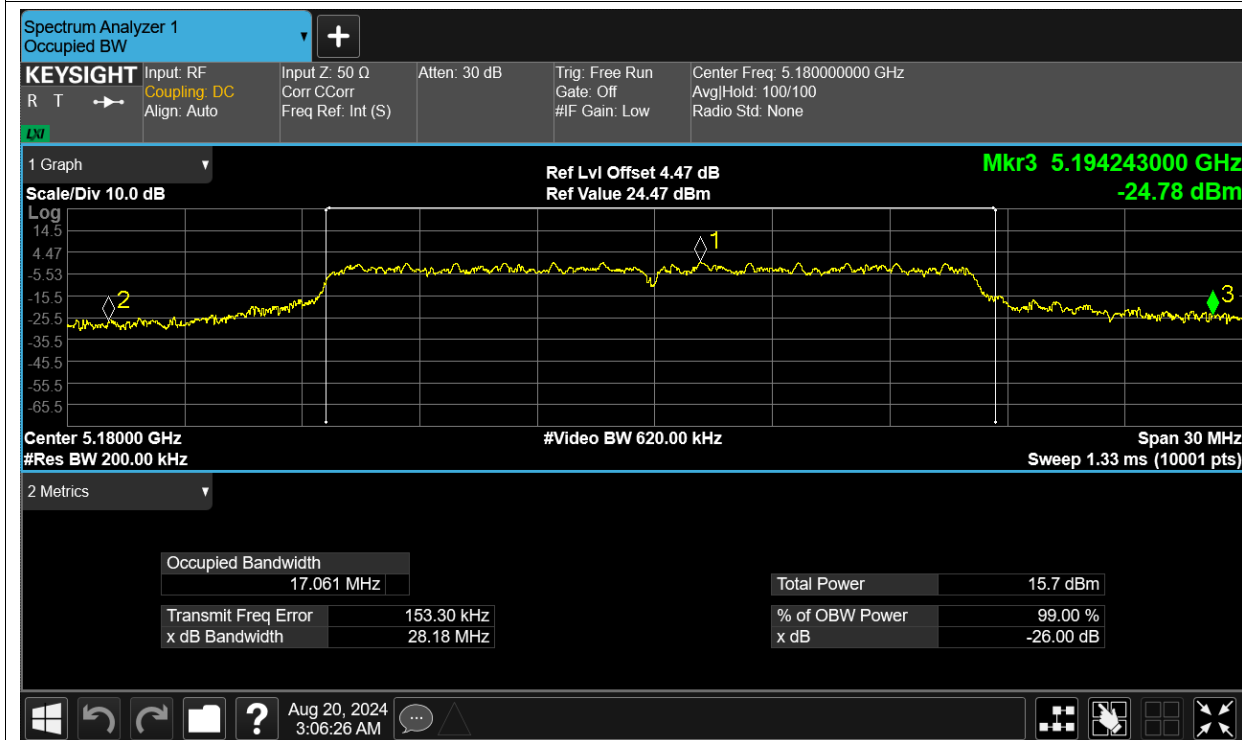
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	10.51	0	10.51	24	Pass
NVNT	a	5200	Ant1	10.67	0.71	11.38	24	Pass
NVNT	a	5240	Ant1	10.8	0.71	11.51	24	Pass
NVNT	ac20	5180	Ant1	10.76	0.82	11.58	24	Pass
NVNT	ac20	5200	Ant1	10.78	0.82	11.6	24	Pass
NVNT	ac20	5240	Ant1	11.06	0.82	11.88	24	Pass
NVNT	ac40	5190	Ant1	10.82	1.29	12.11	23	Pass
NVNT	ac40	5230	Ant1	11.2	1.26	12.46	24	Pass
NVNT	ac80	5210	Ant1	10.8	1.6	12.4	24	Pass
NVNT	n20	5180	Ant1	10.79	0.75	11.54	24	Pass
NVNT	n20	5200	Ant1	10.7	0.75	11.45	24	Pass
NVNT	n20	5240	Ant1	10.94	0.75	11.69	24	Pass
NVNT	n40	5190	Ant1	10.59	1.11	11.7	24	Pass
NVNT	n40	5230	Ant1	11.16	1.13	12.29	24	Pass

-26dB Bandwidth

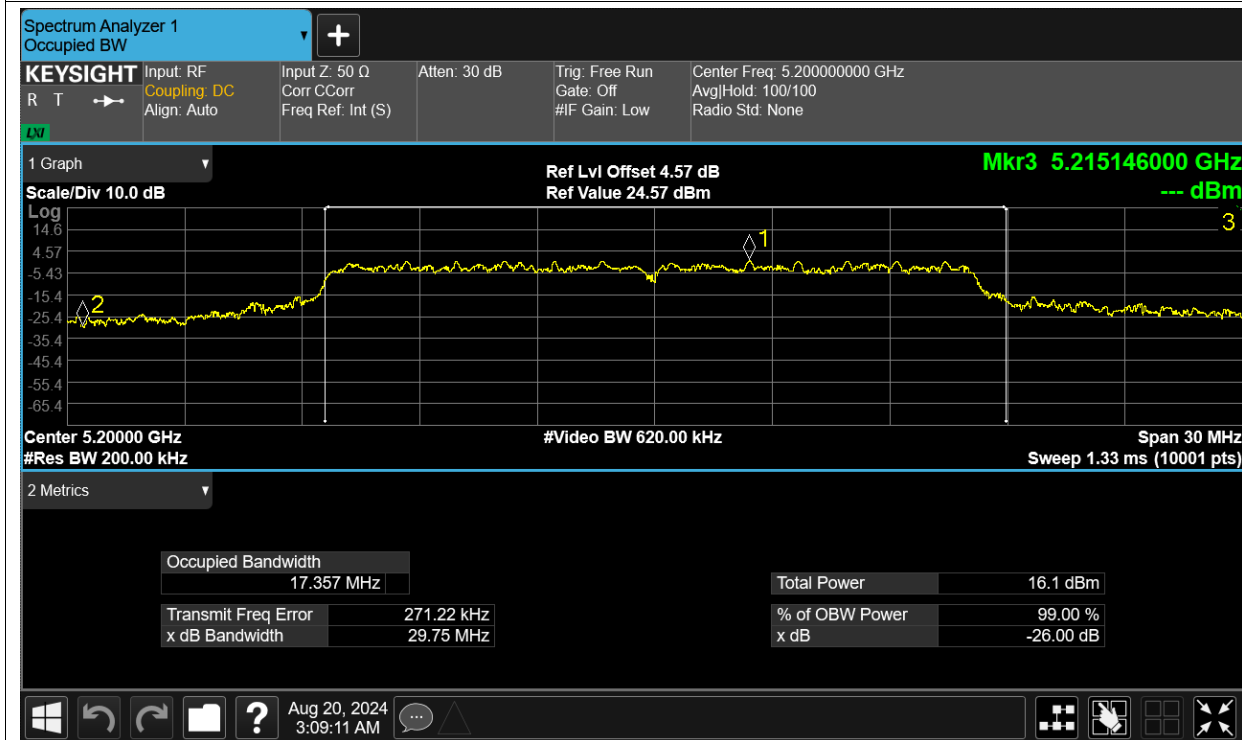
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	28.179
NVNT	a	5200	Ant1	29.75
NVNT	a	5240	Ant1	29.448
NVNT	ac20	5180	Ant1	29.787
NVNT	ac20	5200	Ant1	29.304
NVNT	ac20	5240	Ant1	29.282
NVNT	ac40	5190	Ant1	39.245
NVNT	ac40	5230	Ant1	39.47
NVNT	ac80	5210	Ant1	79.233
NVNT	n20	5180	Ant1	29.873
NVNT	n20	5200	Ant1	29.612
NVNT	n20	5240	Ant1	29.872
NVNT	n40	5190	Ant1	39.078
NVNT	n40	5230	Ant1	38.884

Test Graphs

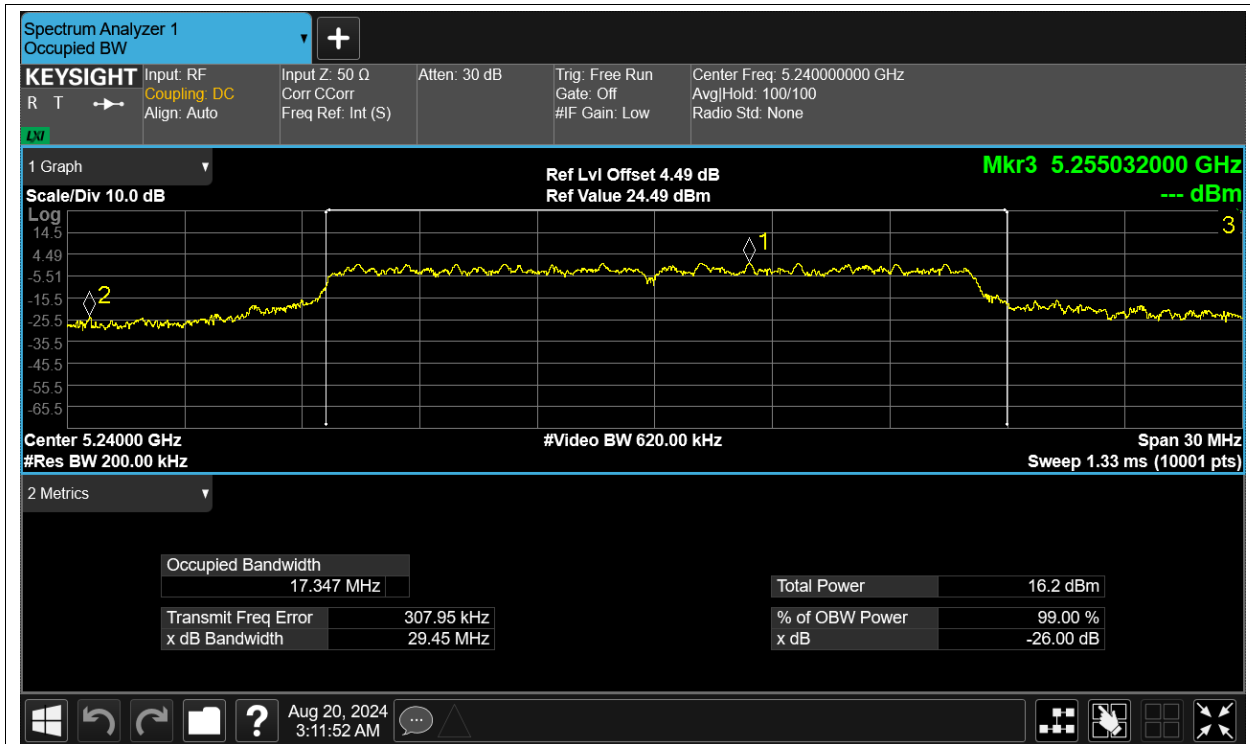
-26dB Bandwidth NVNT a 5180MHz Ant1



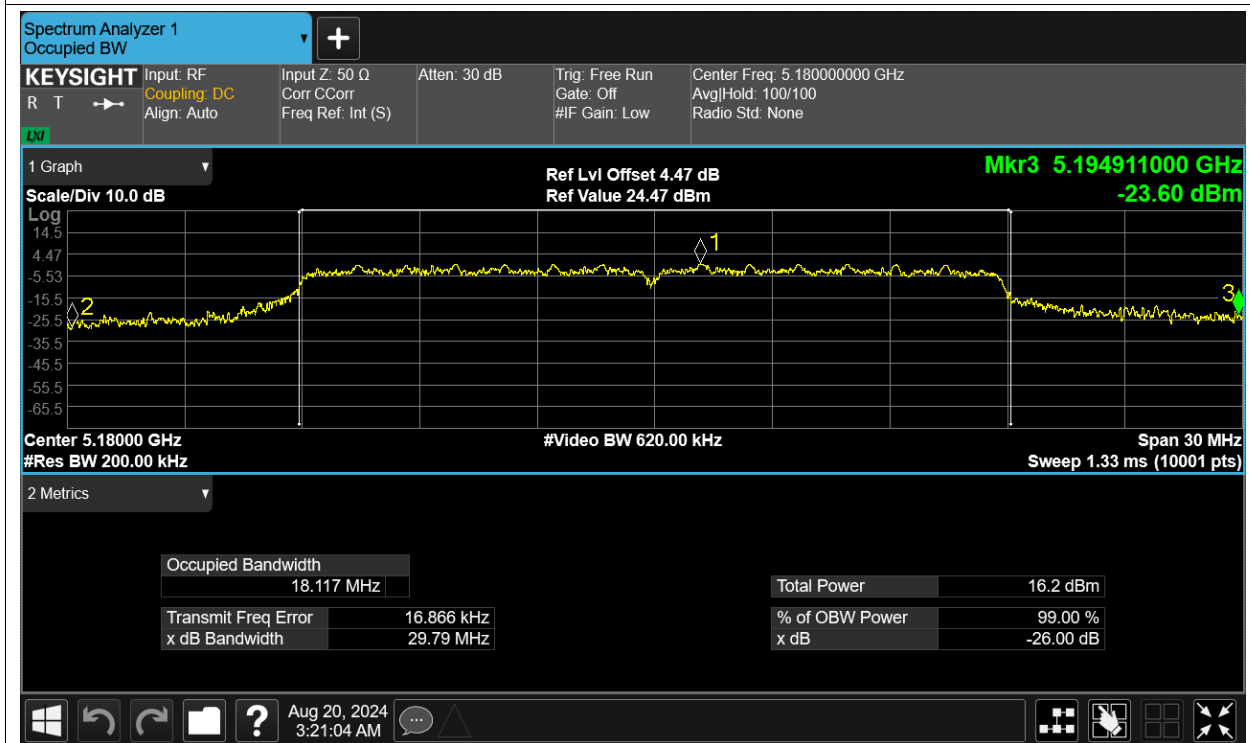
-26dB Bandwidth NVNT a 5200MHz Ant1



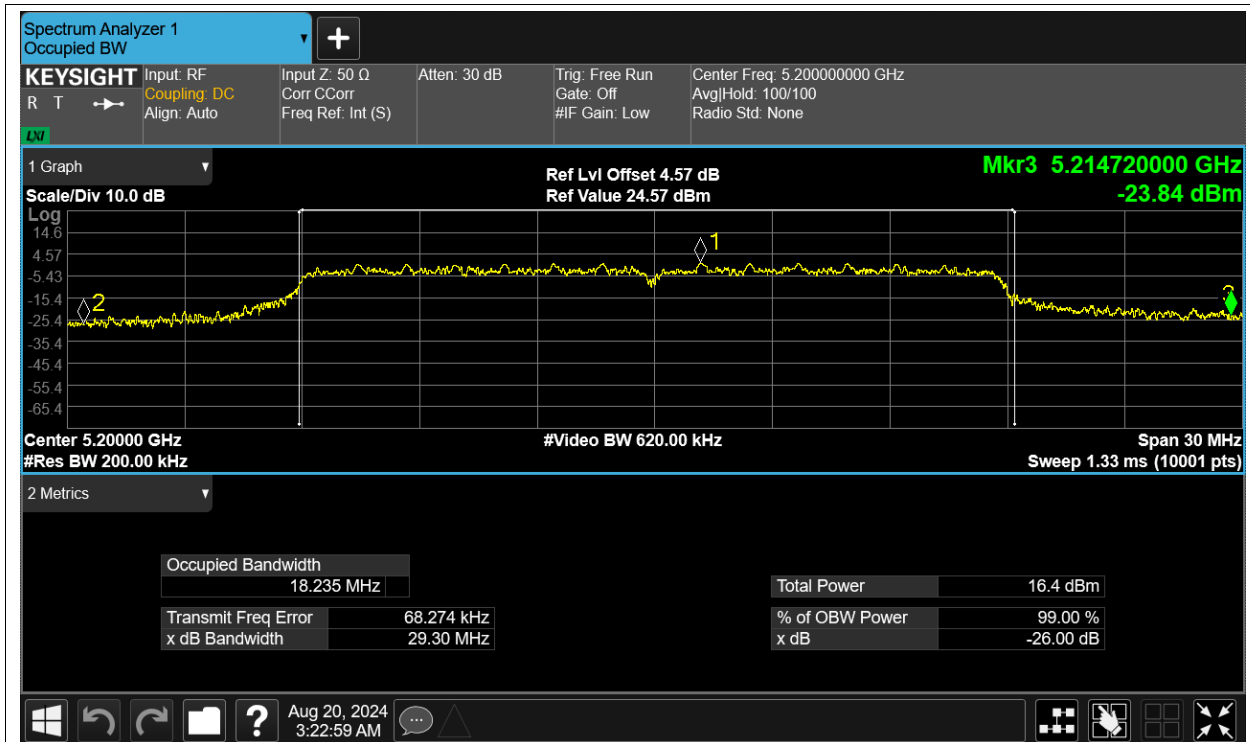
-26dB Bandwidth NVNT a 5240MHz Ant1



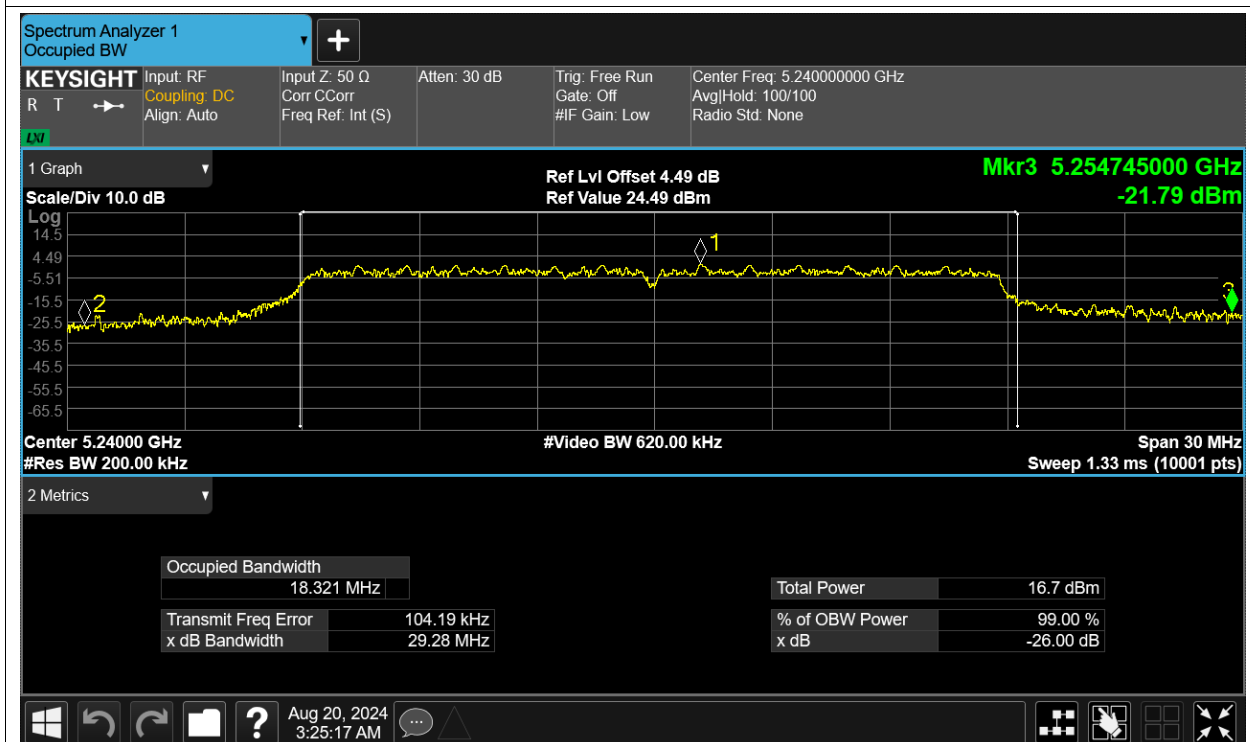
-26dB Bandwidth NVNT ac20 5180MHz Ant1



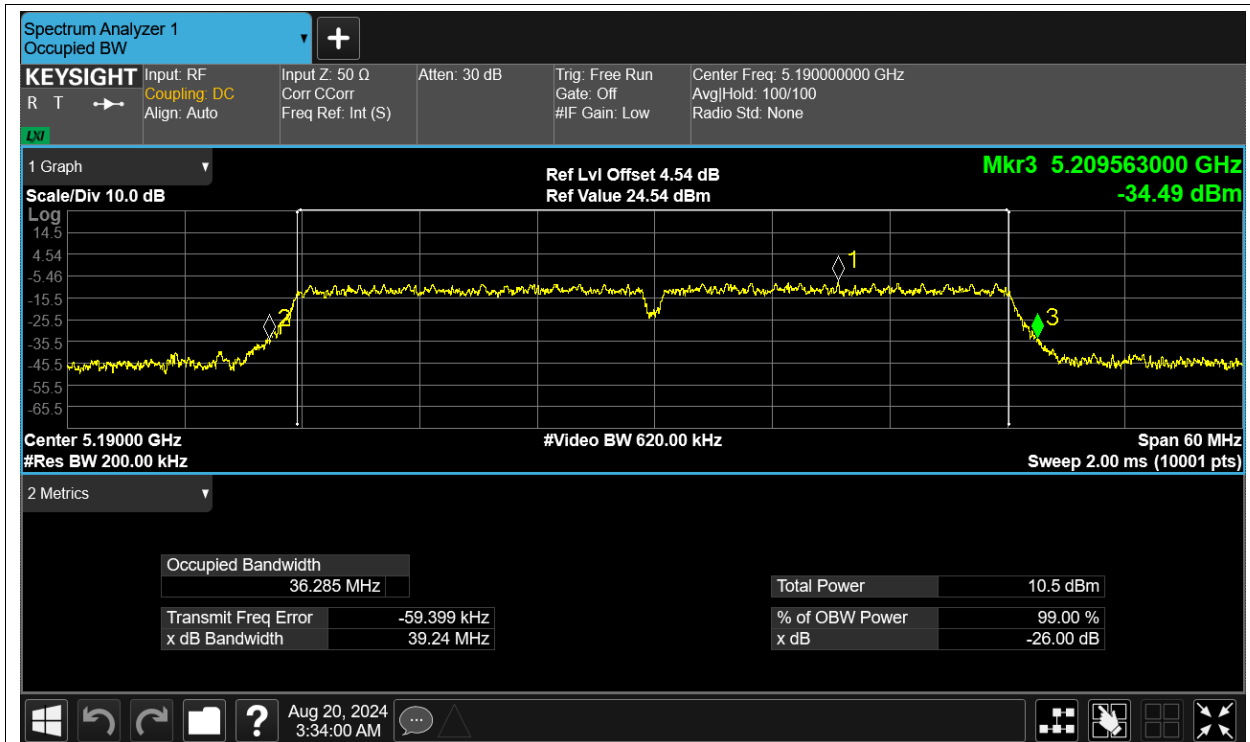
-26dB Bandwidth NVNT ac20 5200MHz Ant1



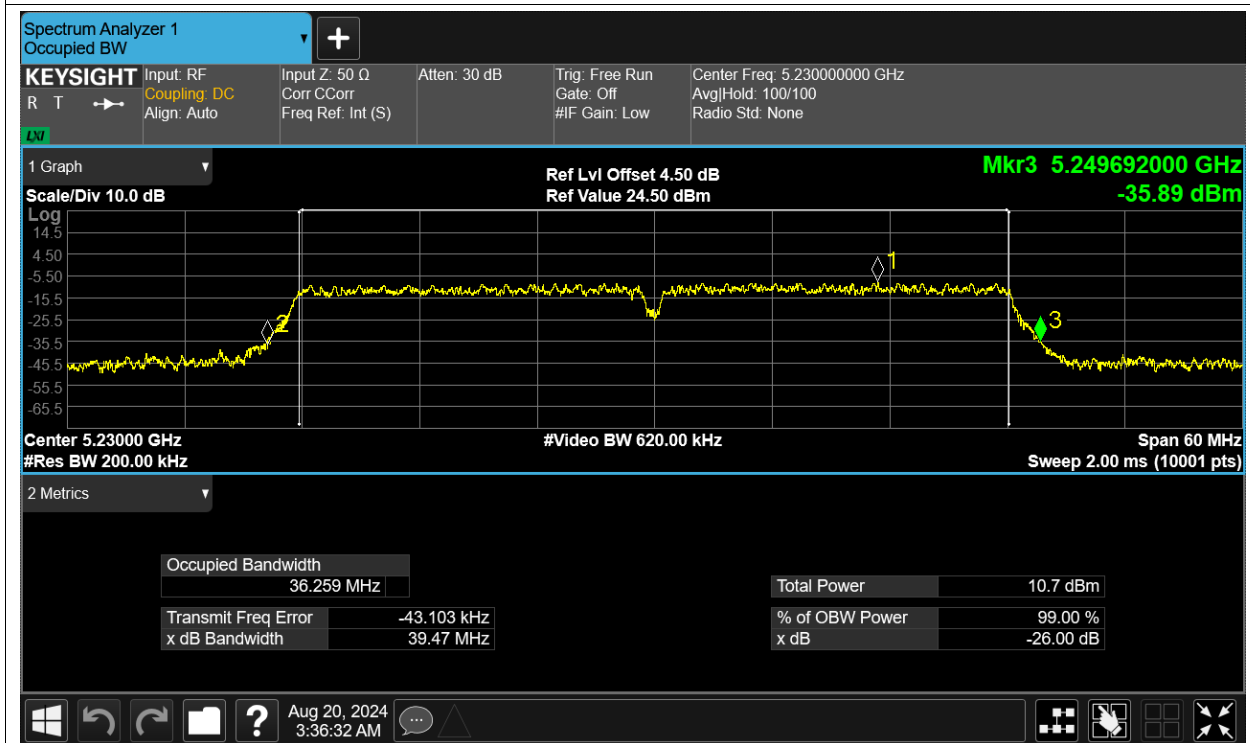
-26dB Bandwidth NVNT ac20 5240MHz Ant1



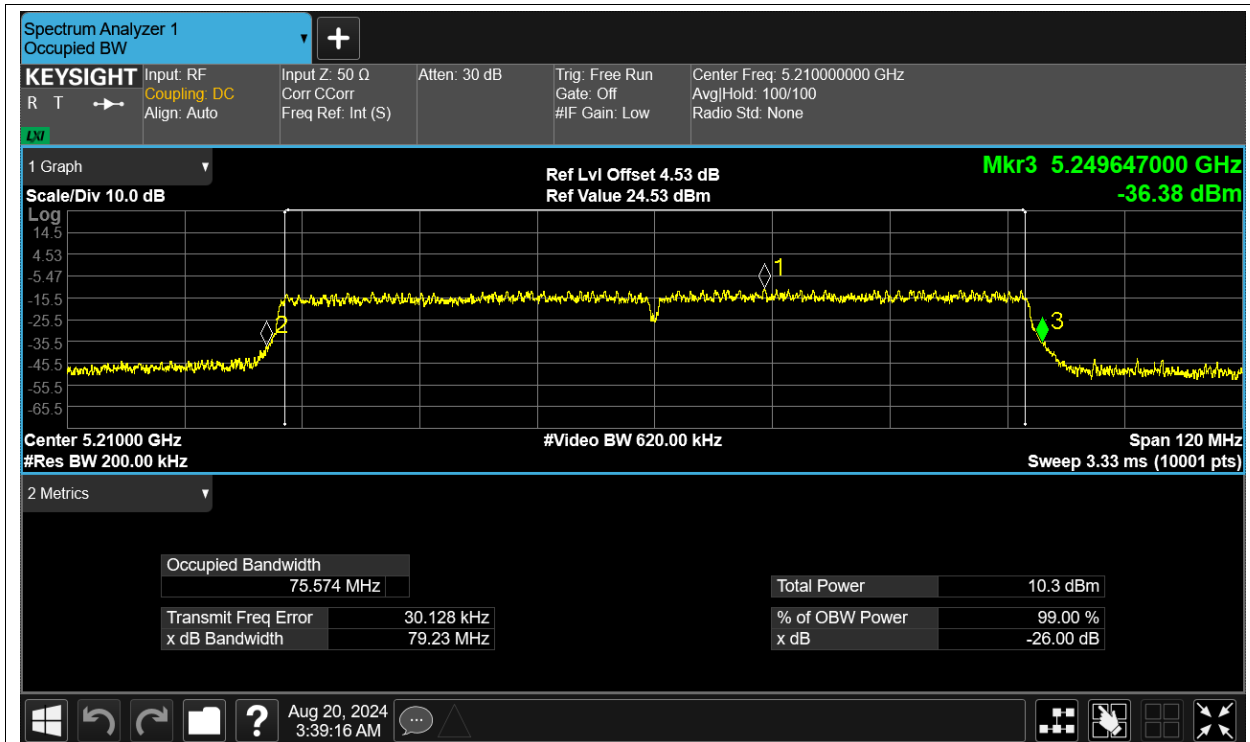
-26dB Bandwidth NVNT ac40 5190MHz Ant1



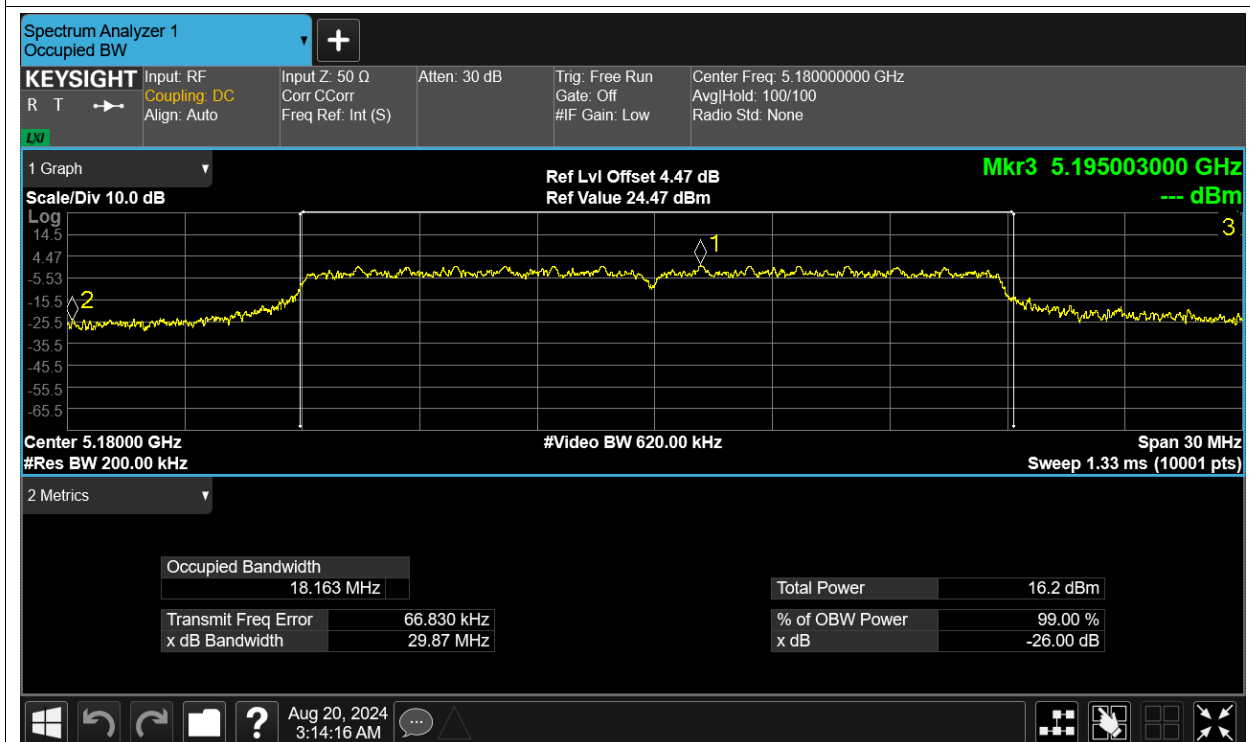
-26dB Bandwidth NVNT ac40 5230MHz Ant1



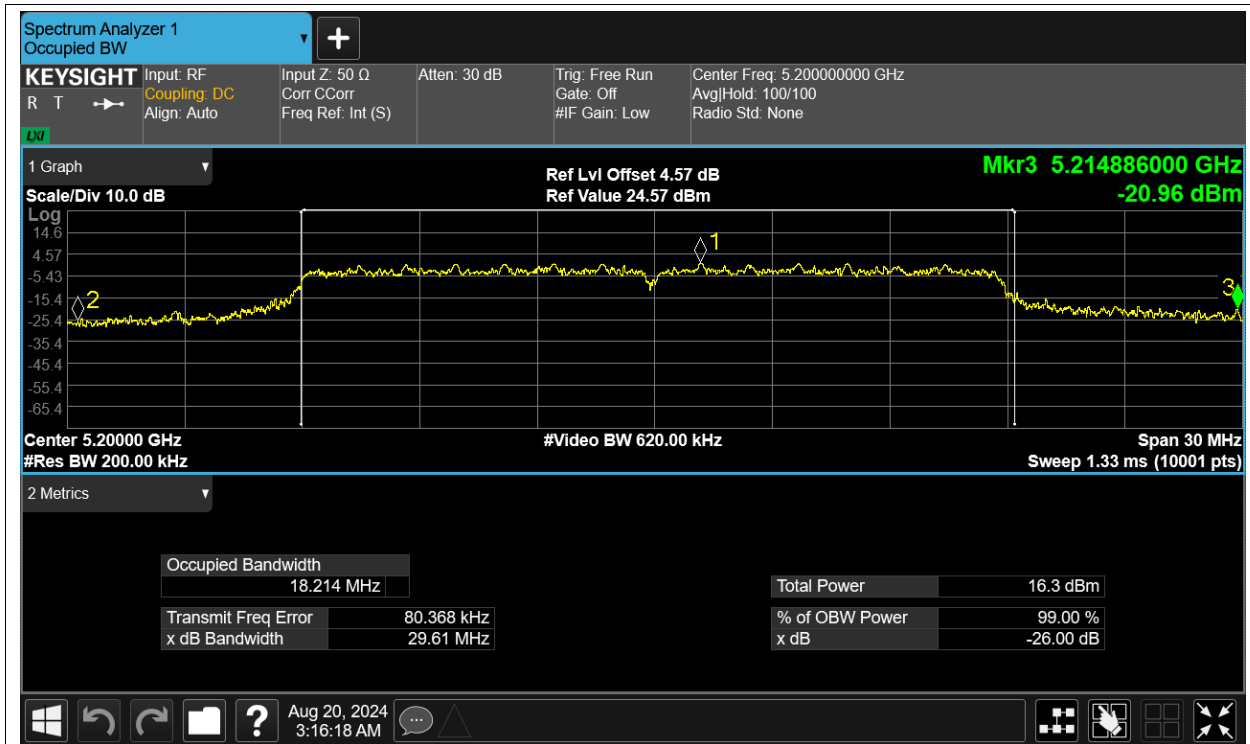
-26dB Bandwidth NVNT ac80 5210MHz Ant1



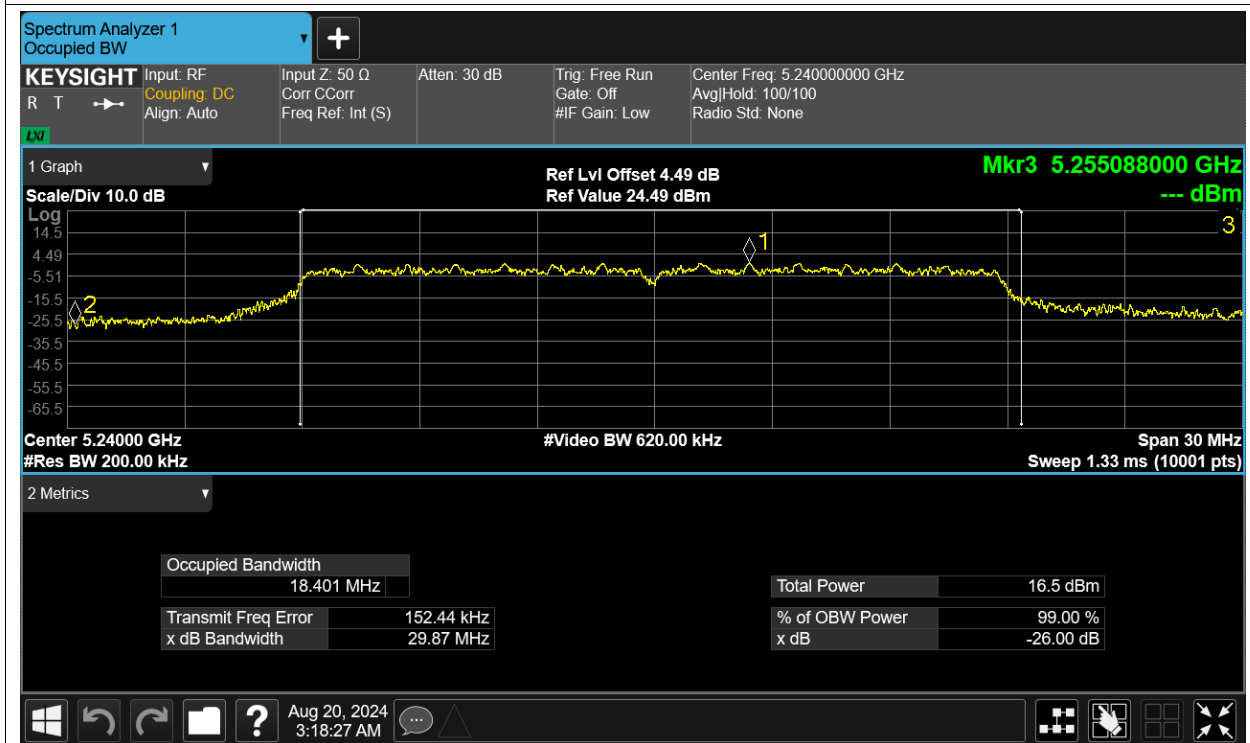
-26dB Bandwidth NVNT n20 5180MHz Ant1



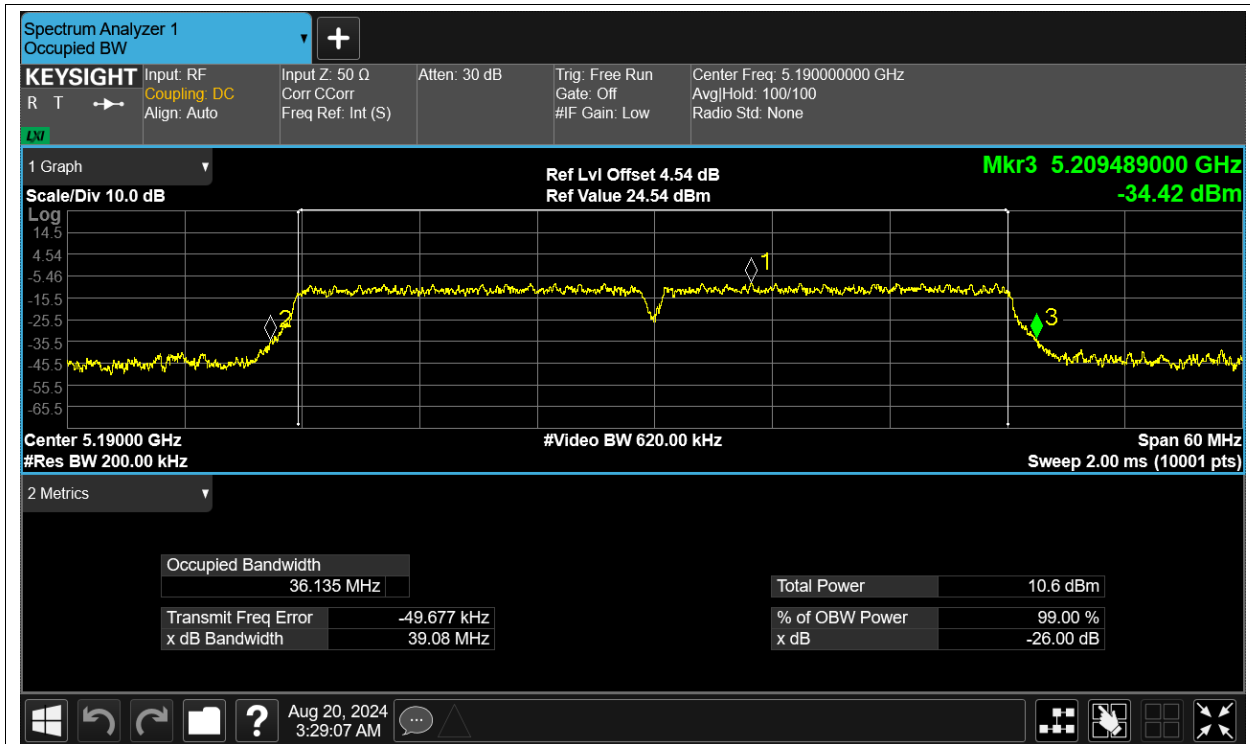
-26dB Bandwidth NVNT n20 5200MHz Ant1



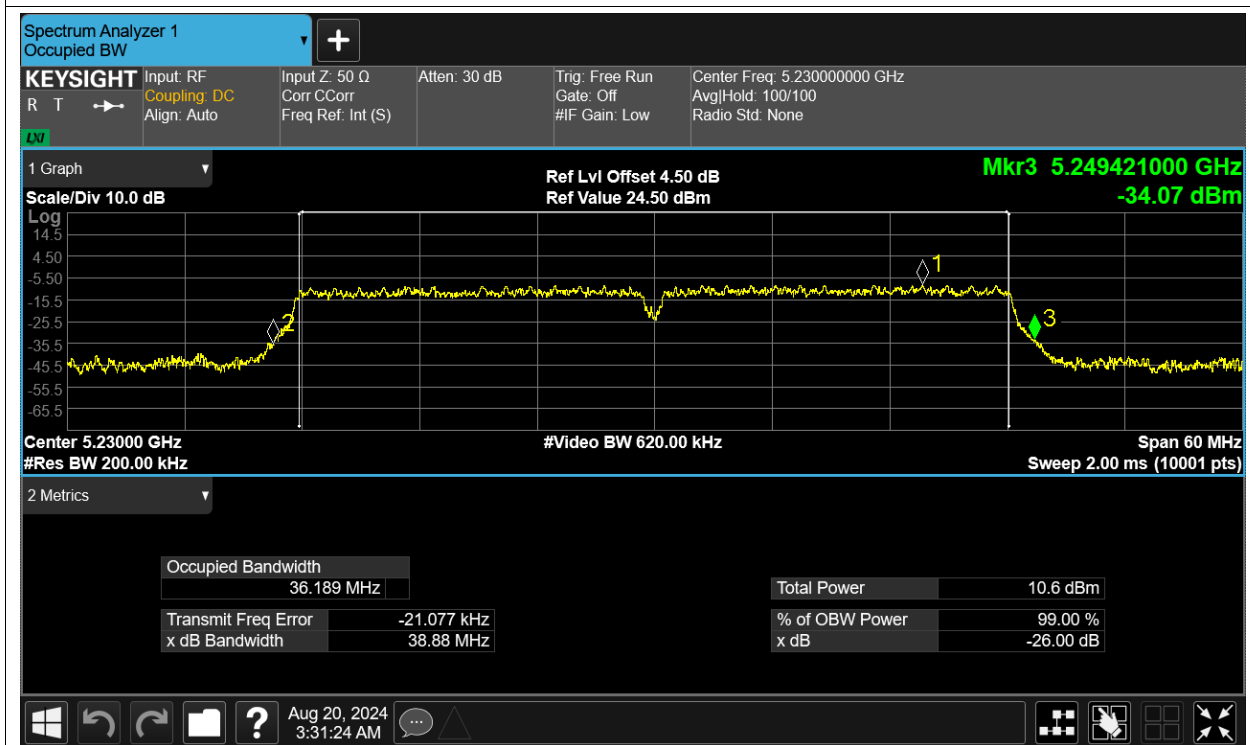
-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1

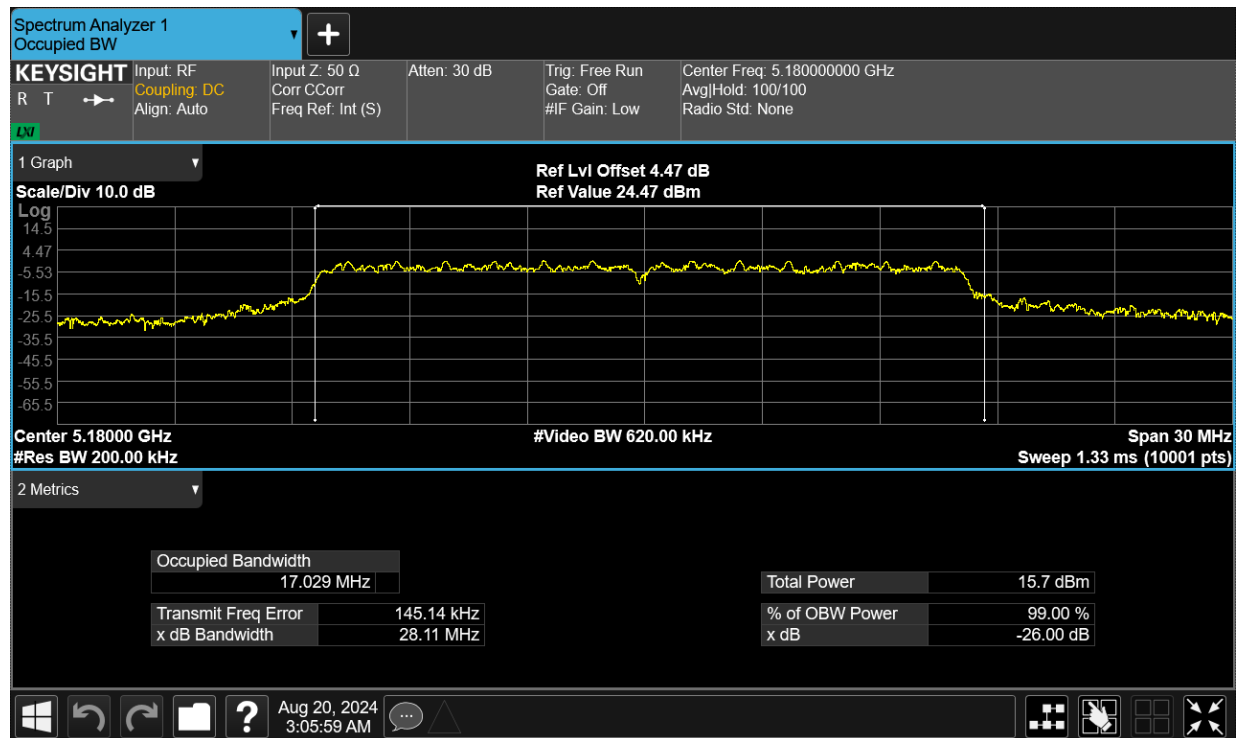


Occupied Channel Bandwidth

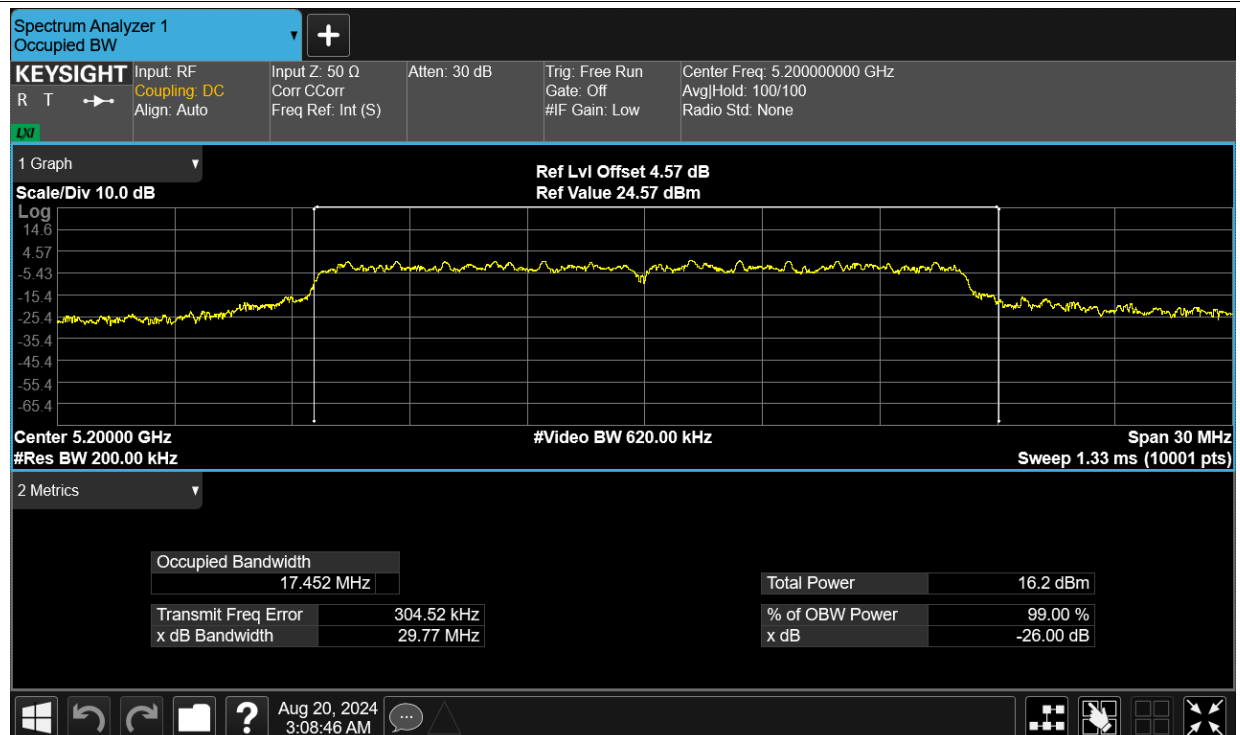
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	17.029
NVNT	a	5200	Ant1	17.452
NVNT	a	5240	Ant1	17.386
NVNT	ac20	5180	Ant1	18.024
NVNT	ac20	5200	Ant1	18.251
NVNT	ac20	5240	Ant1	18.38
NVNT	ac40	5190	Ant1	36.43
NVNT	ac40	5230	Ant1	36.423
NVNT	ac80	5210	Ant1	75.802
NVNT	n20	5180	Ant1	18.08
NVNT	n20	5200	Ant1	18.215
NVNT	n20	5240	Ant1	18.318
NVNT	n40	5190	Ant1	38.48
NVNT	n40	5230	Ant1	36.408

Test Graphs

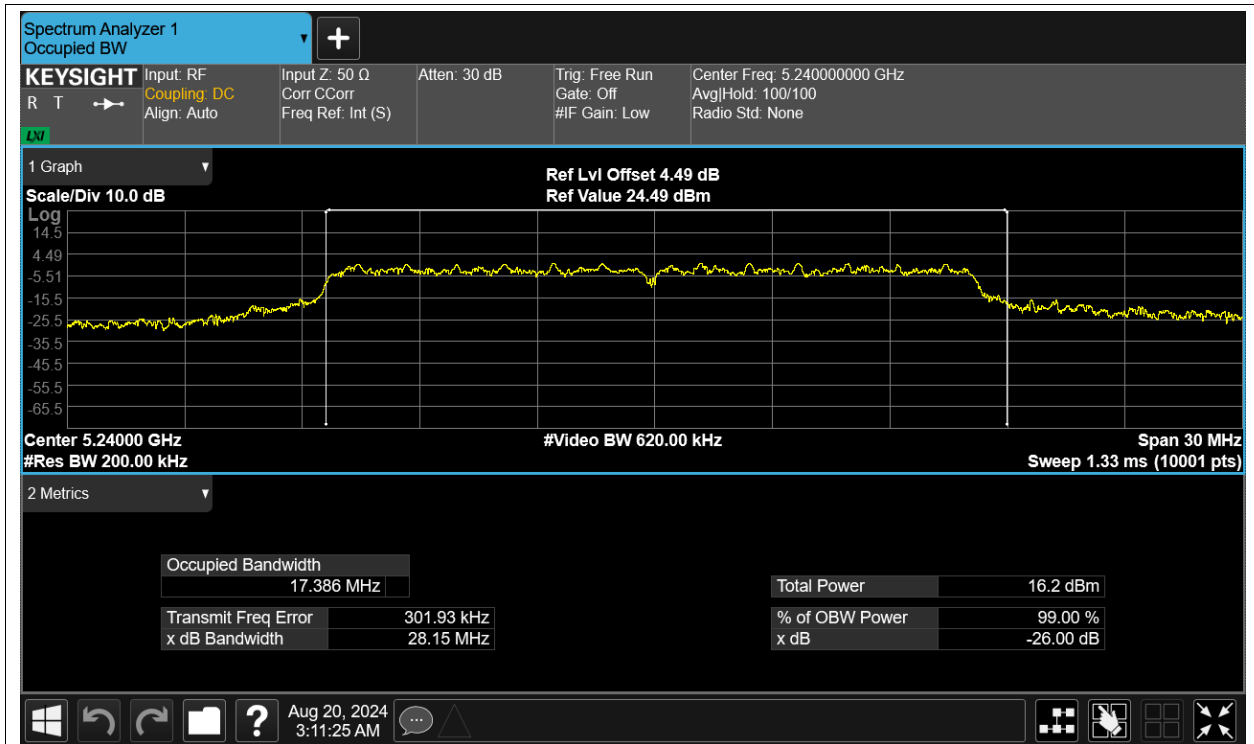
OBW NVNT a 5180MHz Ant1



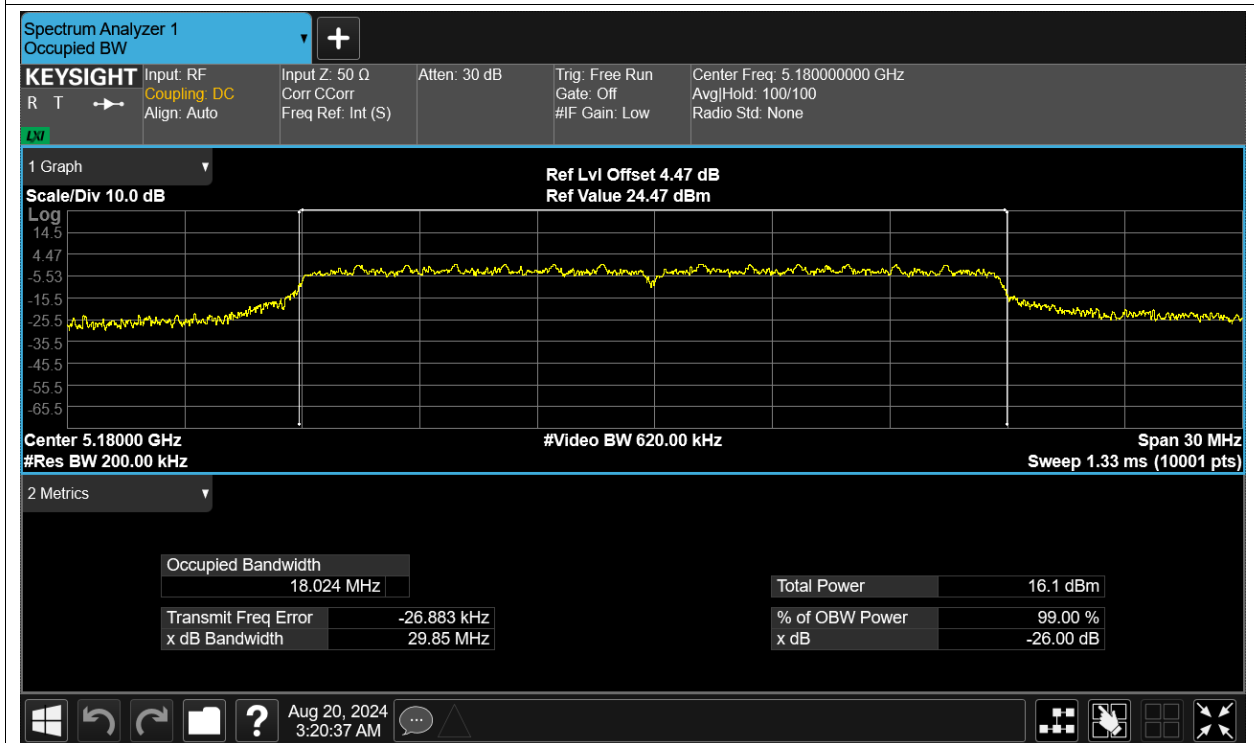
OBW NVNT a 5200MHz Ant1



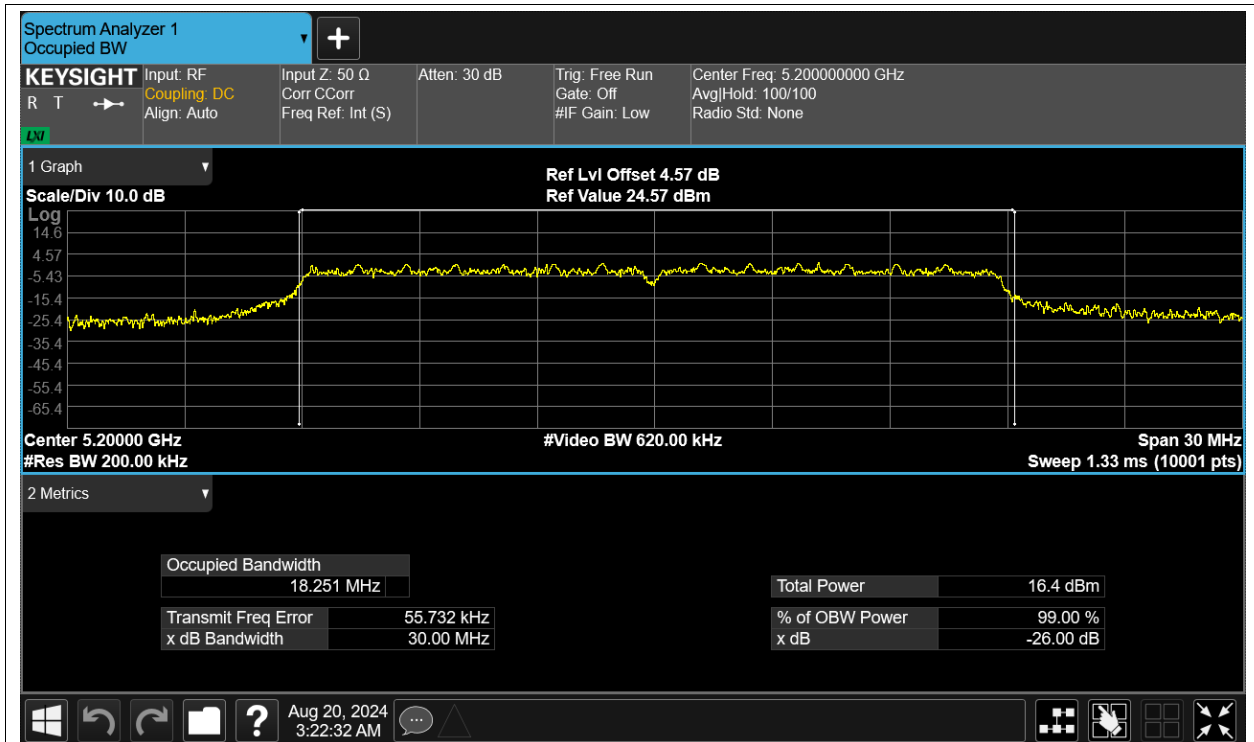
OBW NVNT a 5240MHz Ant1



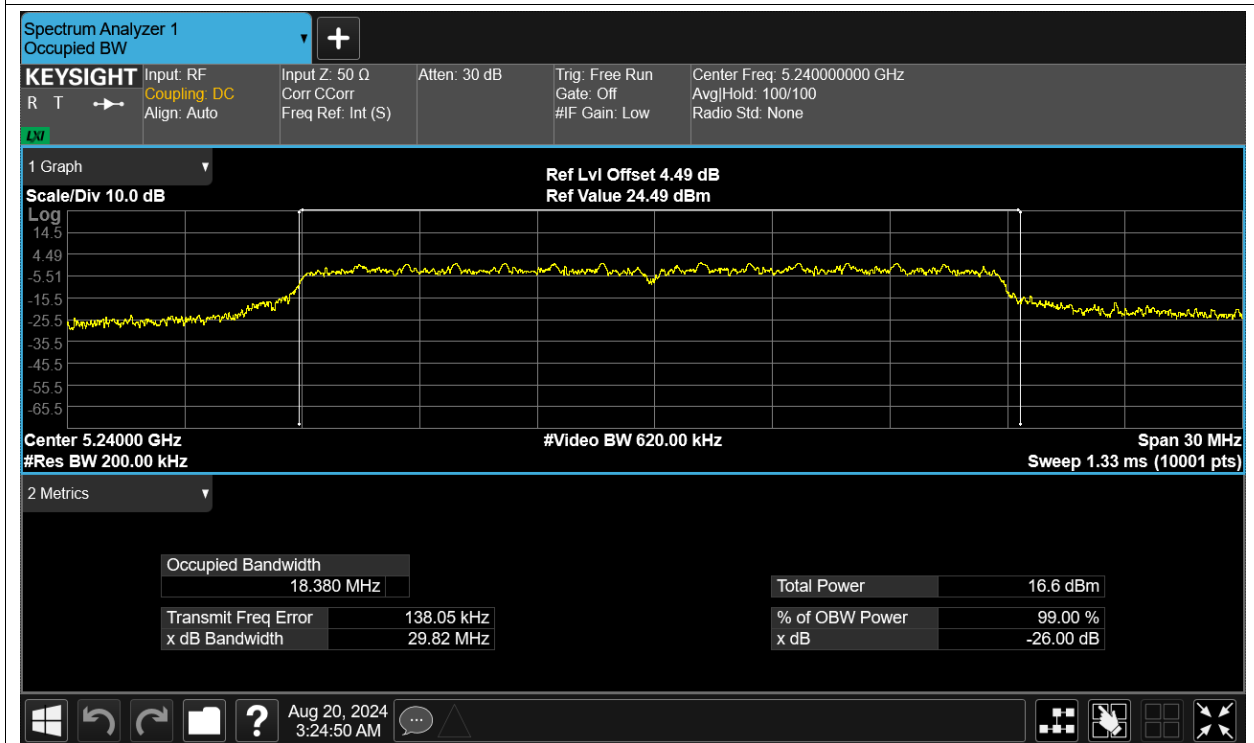
OBW NVNT ac20 5180MHz Ant1



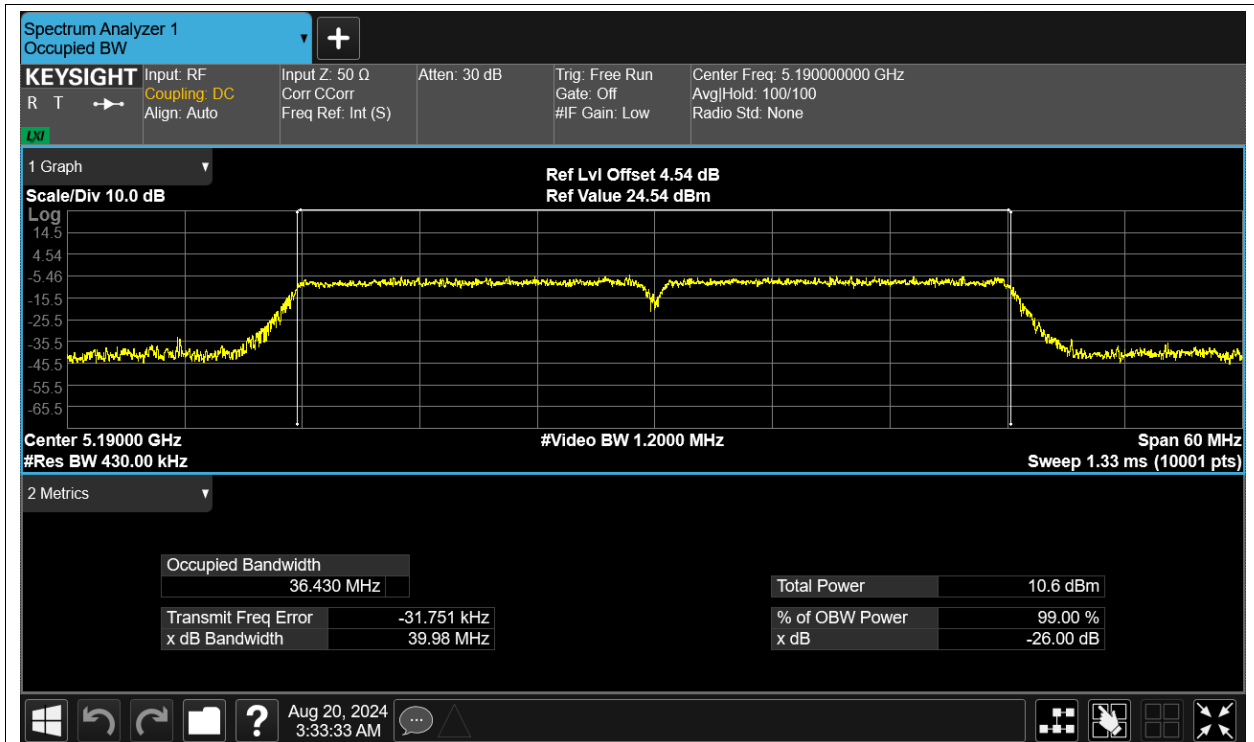
OBW NVNT ac20 5200MHz Ant1



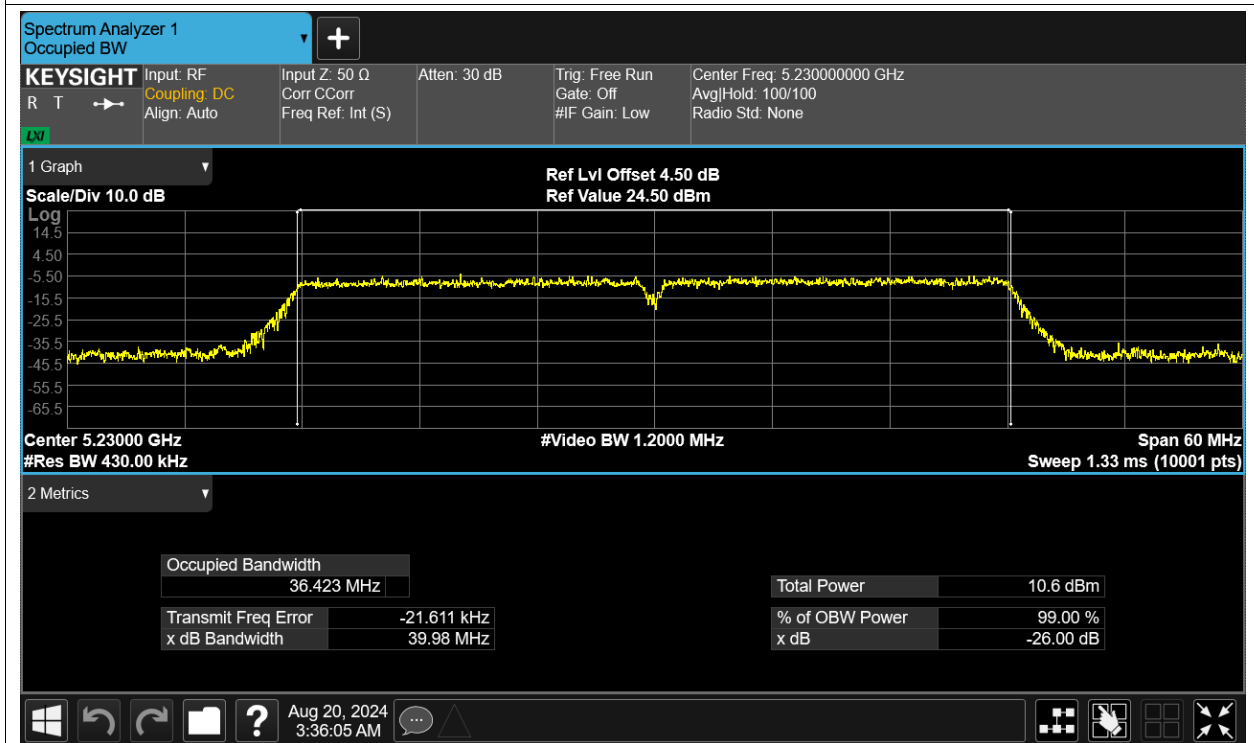
OBW NVNT ac20 5240MHz Ant1



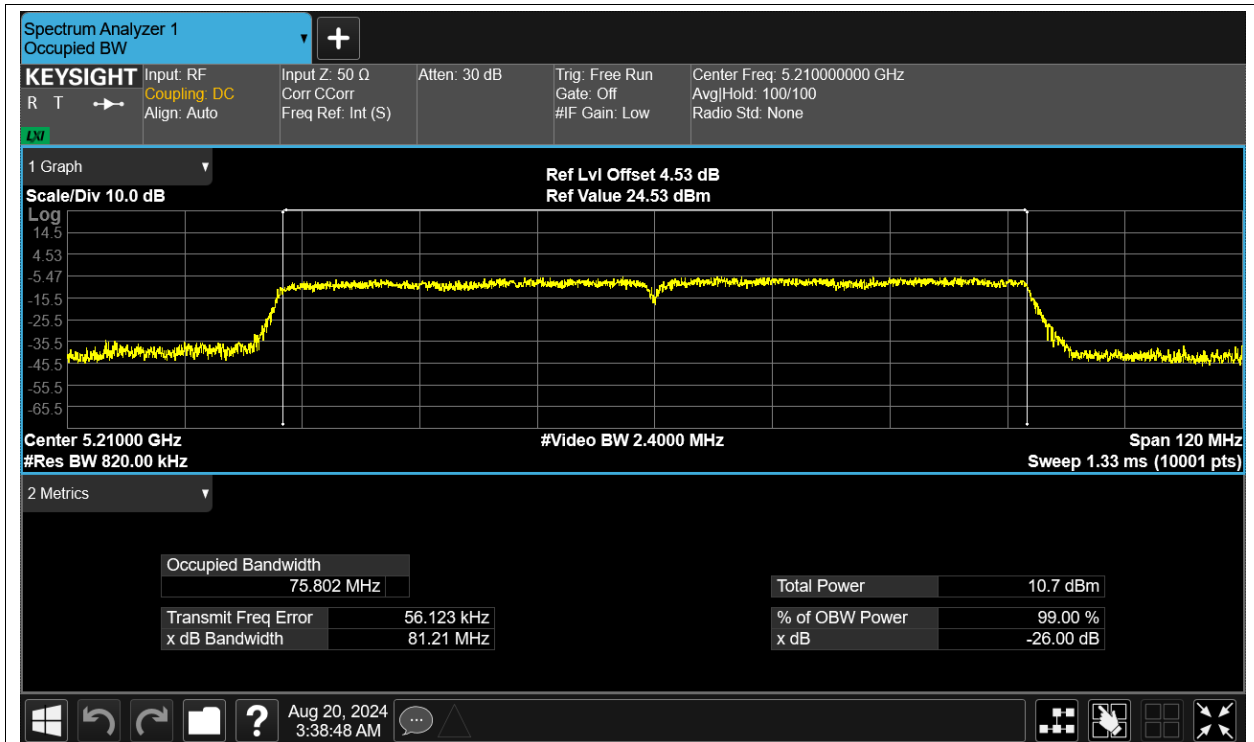
OBW NVNT ac40 5190MHz Ant1



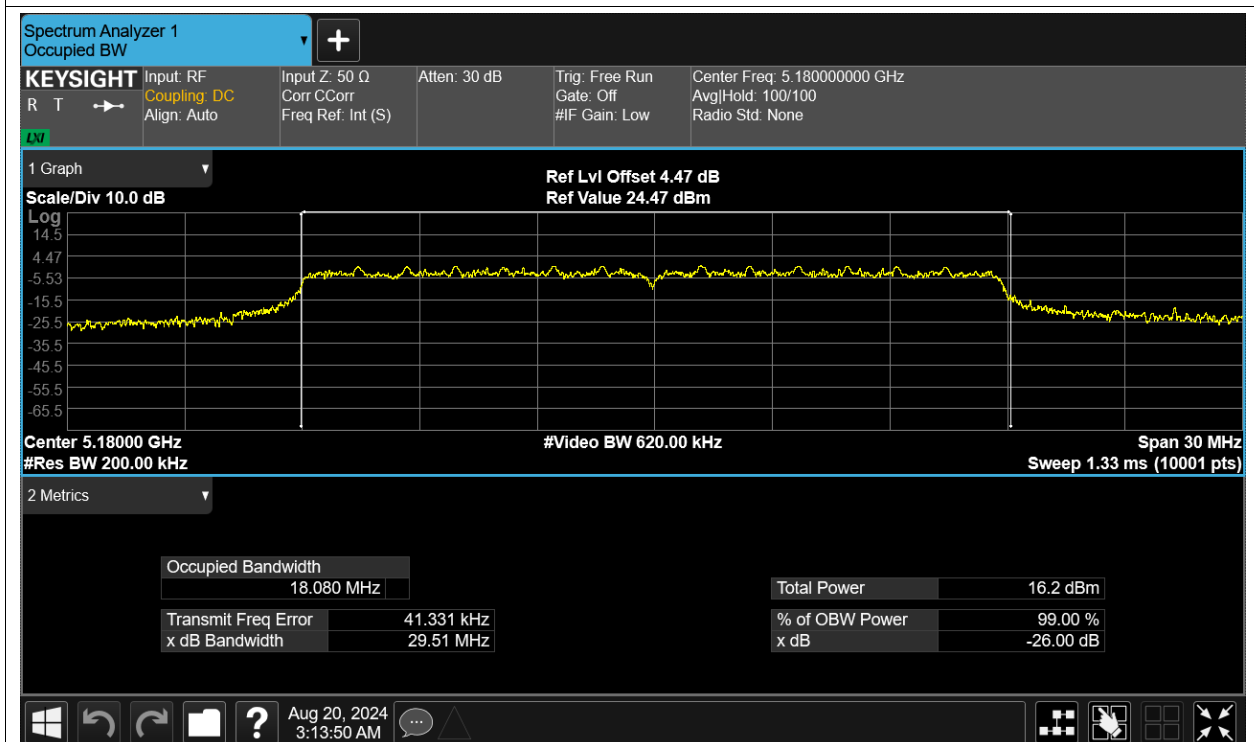
OBW NVNT ac40 5230MHz Ant1



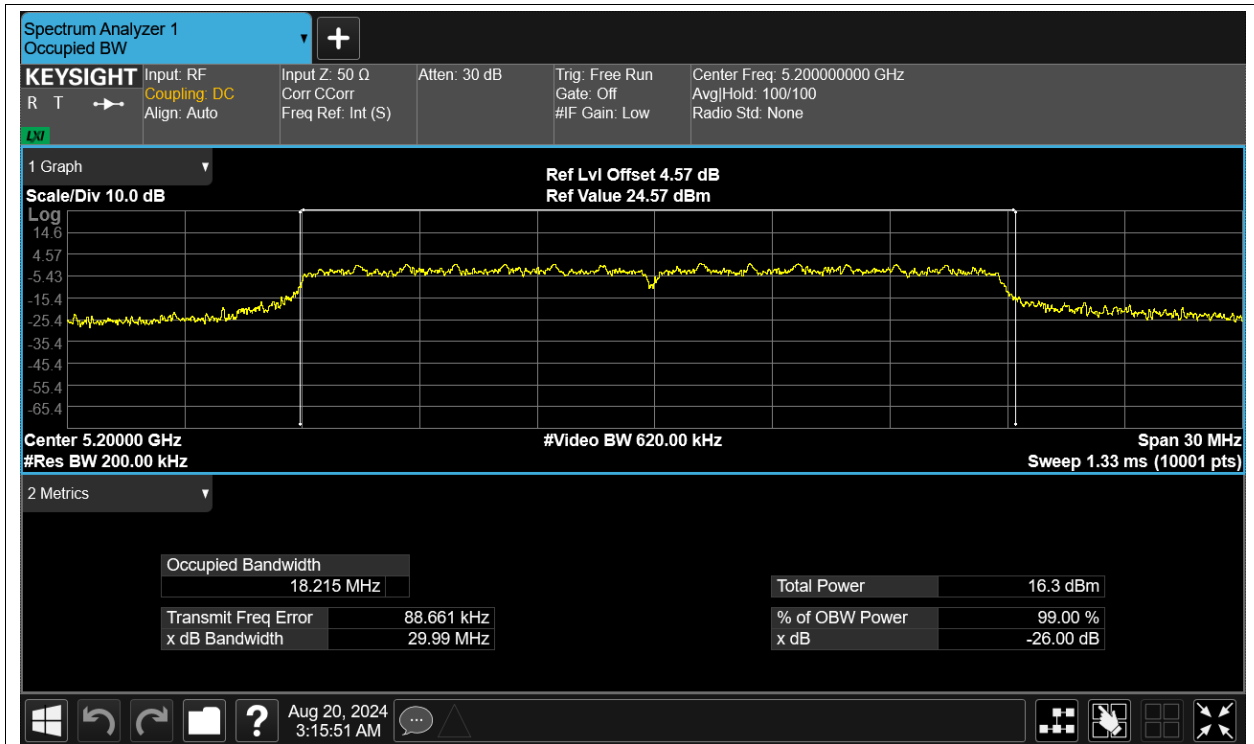
OBW NVNT ac80 5210MHz Ant1



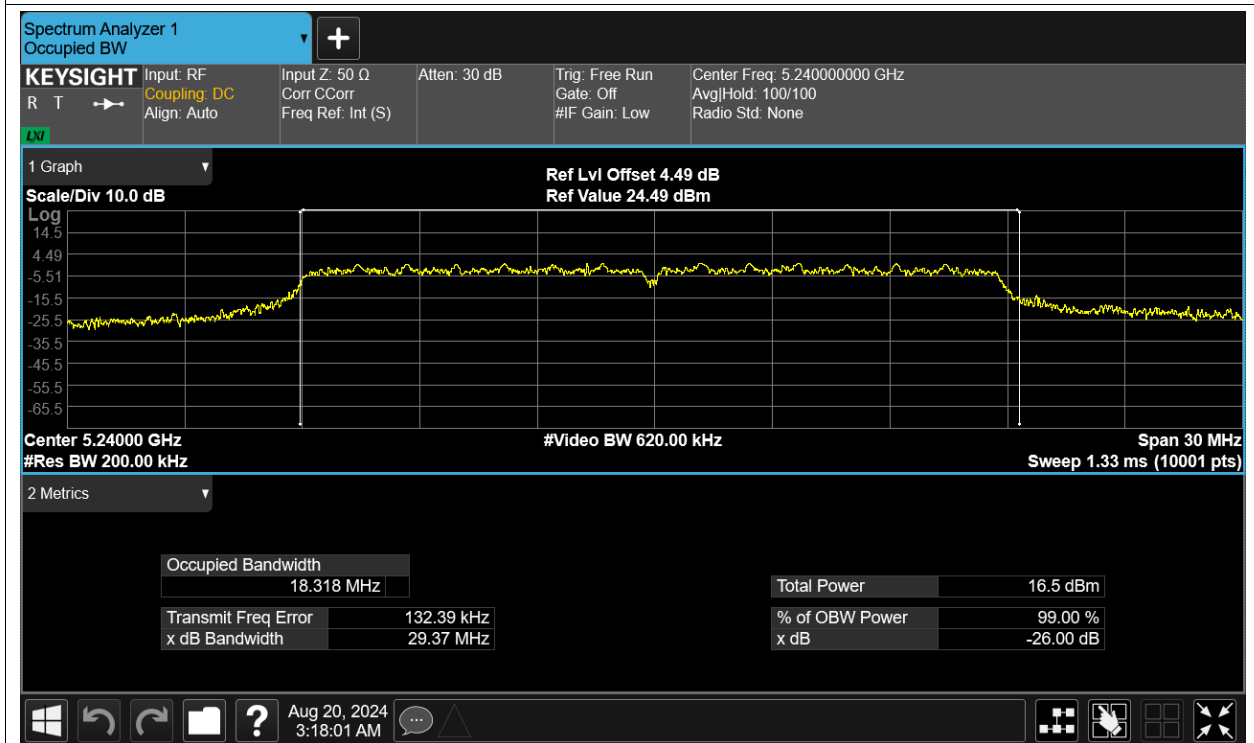
OBW NVNT n20 5180MHz Ant1



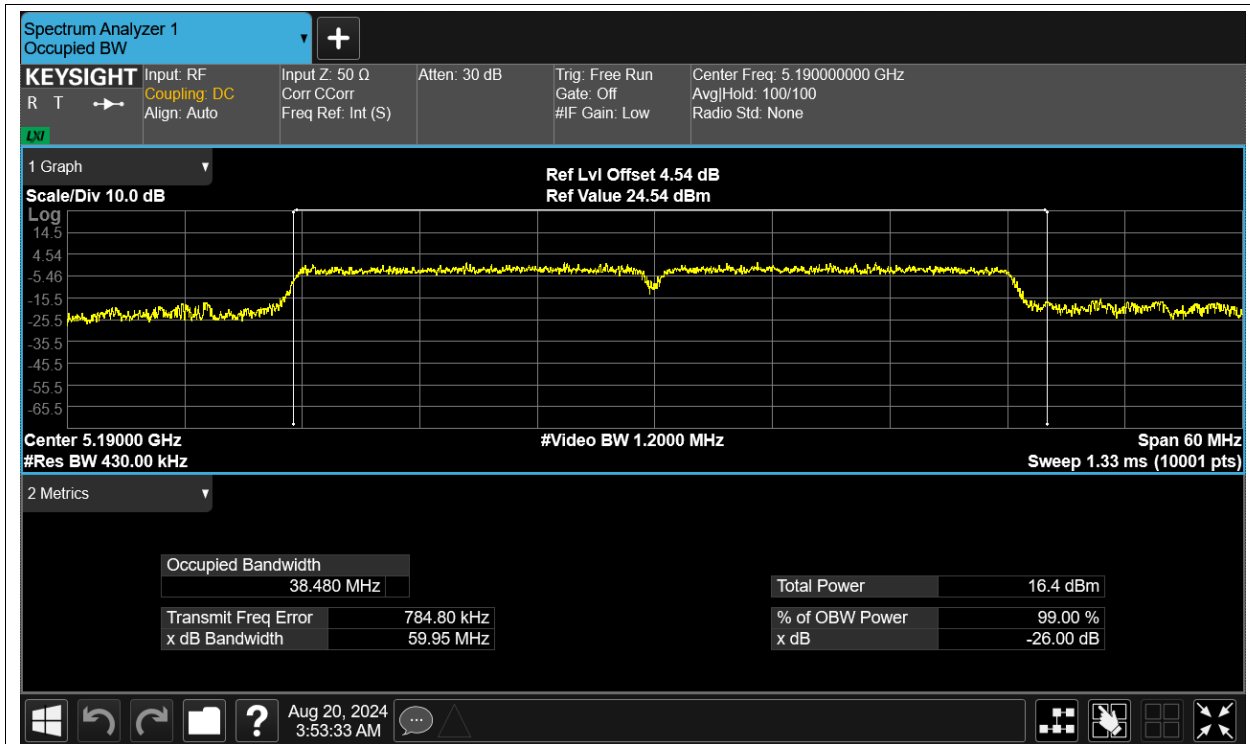
OBW NVNT n20 5200MHz Ant1



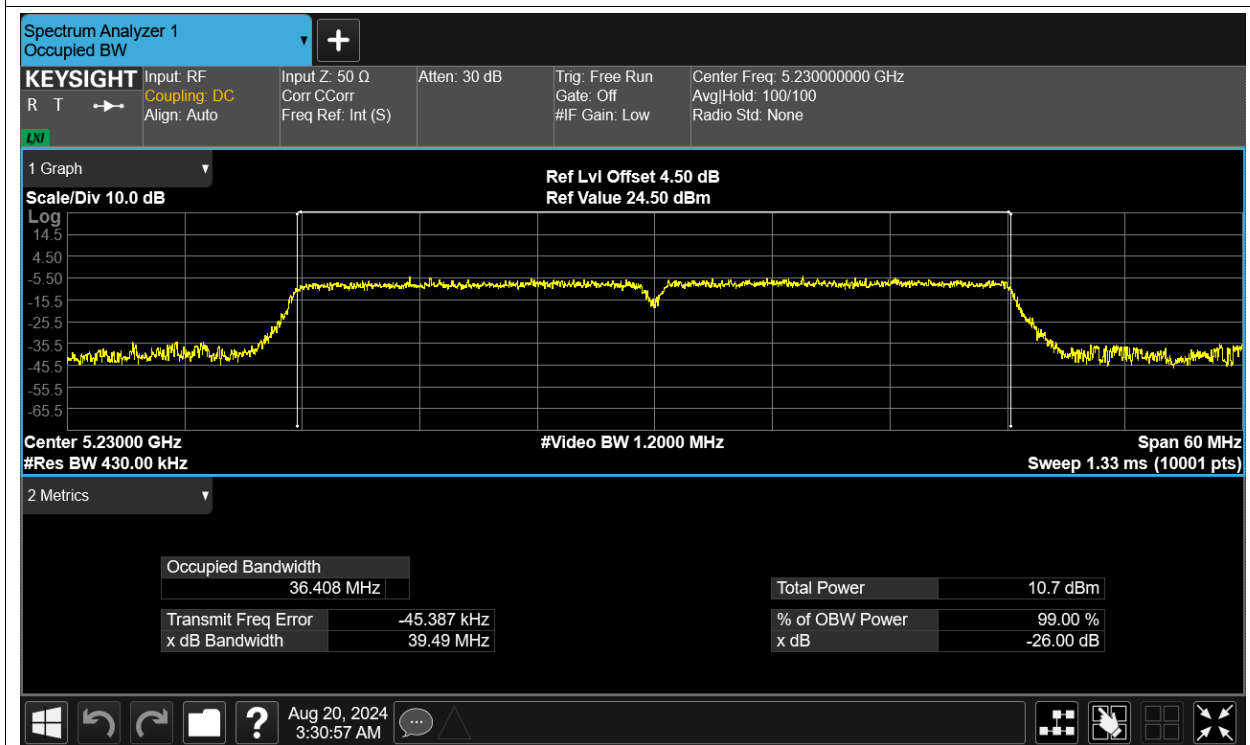
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1

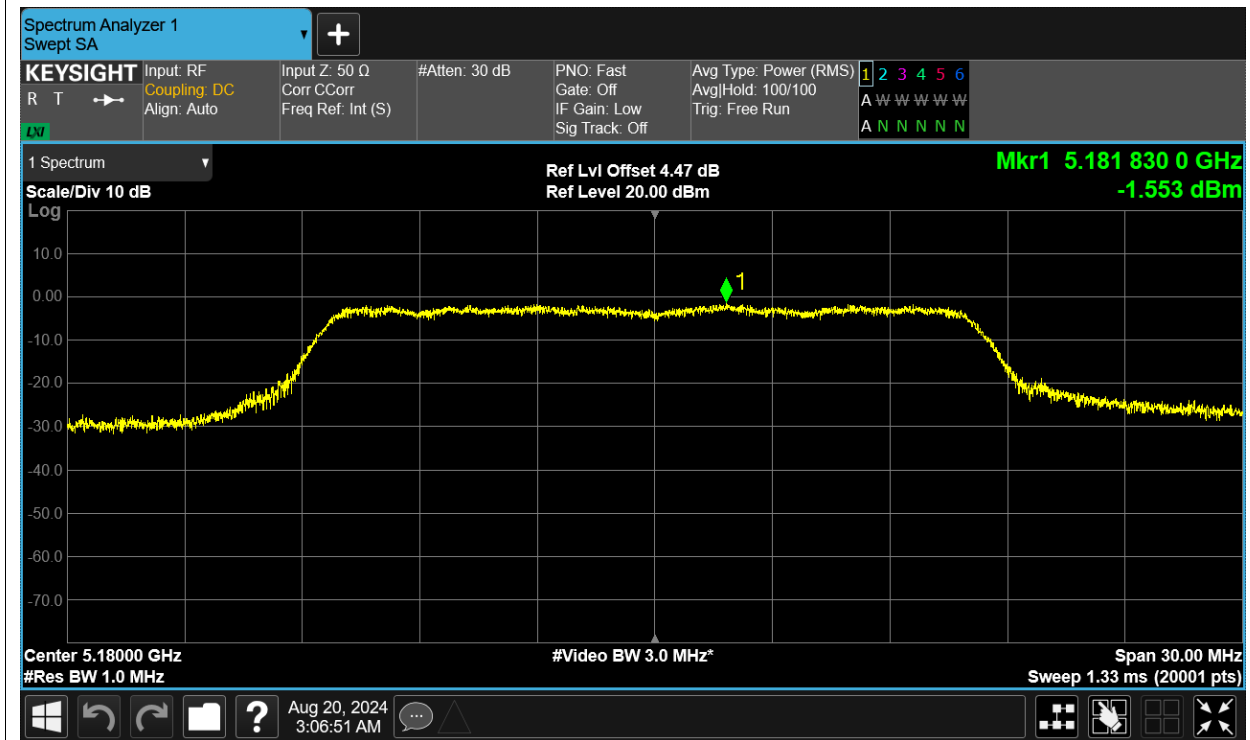


Maximum Power Spectral Density Level

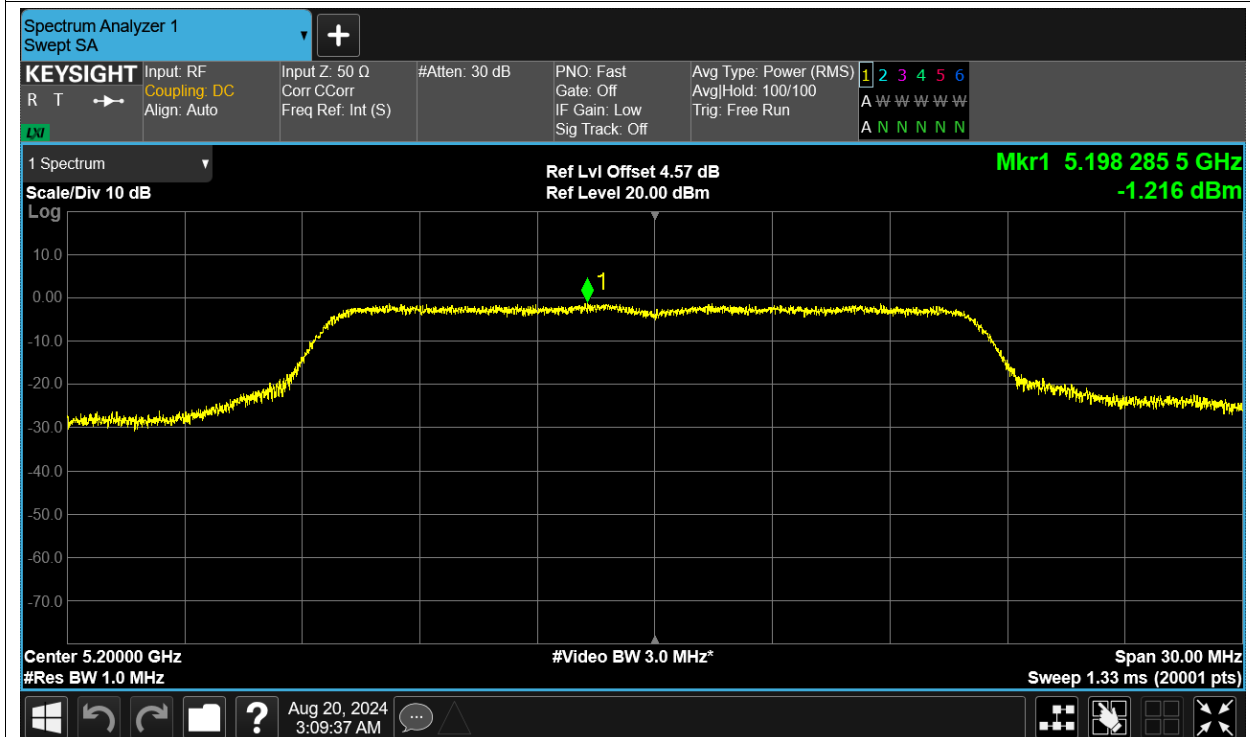
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-1.553	11	Pass
NVNT	a	5200	Ant1	-1.216	11	Pass
NVNT	a	5240	Ant1	-0.737	11	Pass
NVNT	ac20	5180	Ant1	-1.587	11	Pass
NVNT	ac20	5200	Ant1	-1.641	11	Pass
NVNT	ac20	5240	Ant1	-1	11	Pass
NVNT	ac40	5190	Ant1	-4.167	11	Pass
NVNT	ac40	5230	Ant1	-3.975	11	Pass
NVNT	ac80	5210	Ant1	-7.607	11	Pass
NVNT	n20	5180	Ant1	-1.651	11	Pass
NVNT	n20	5200	Ant1	-1.378	11	Pass
NVNT	n20	5240	Ant1	-1.415	11	Pass
NVNT	n40	5190	Ant1	-4.242	11	Pass
NVNT	n40	5230	Ant1	-3.789	11	Pass

Test Graphs

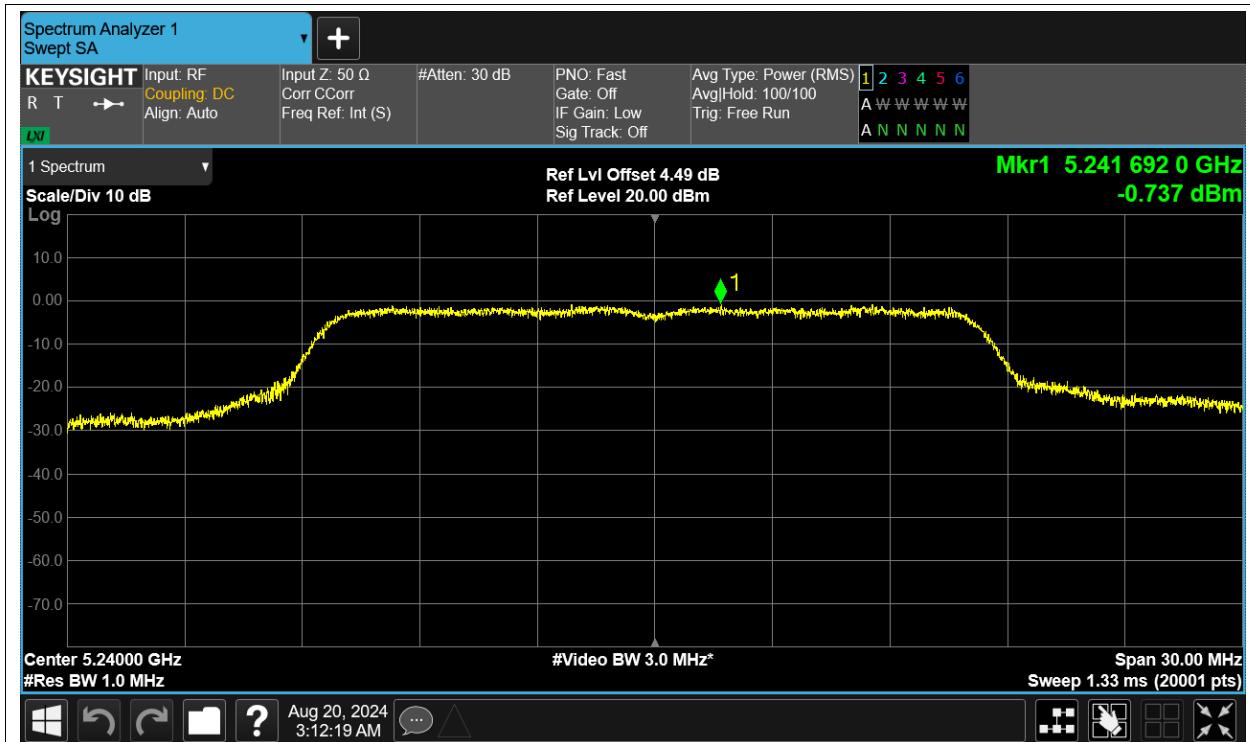
PSD NVNT a 5180MHz Ant1



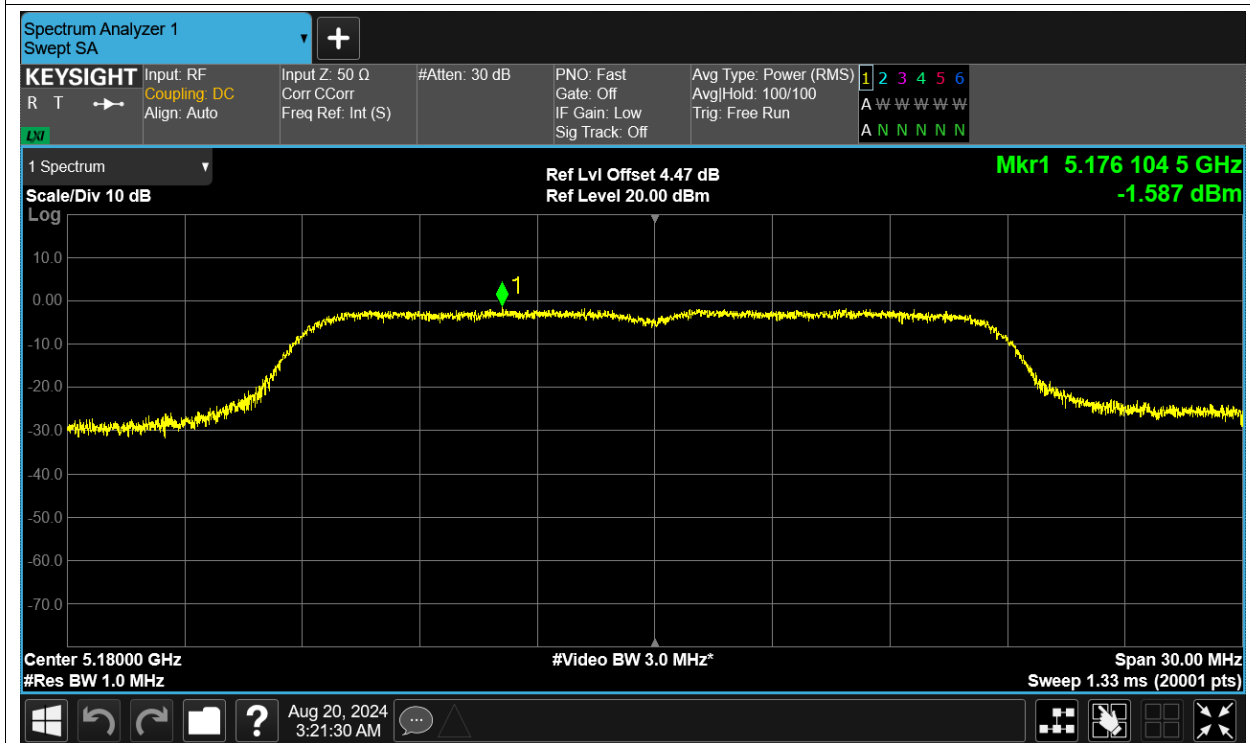
PSD NVNT a 5200MHz Ant1



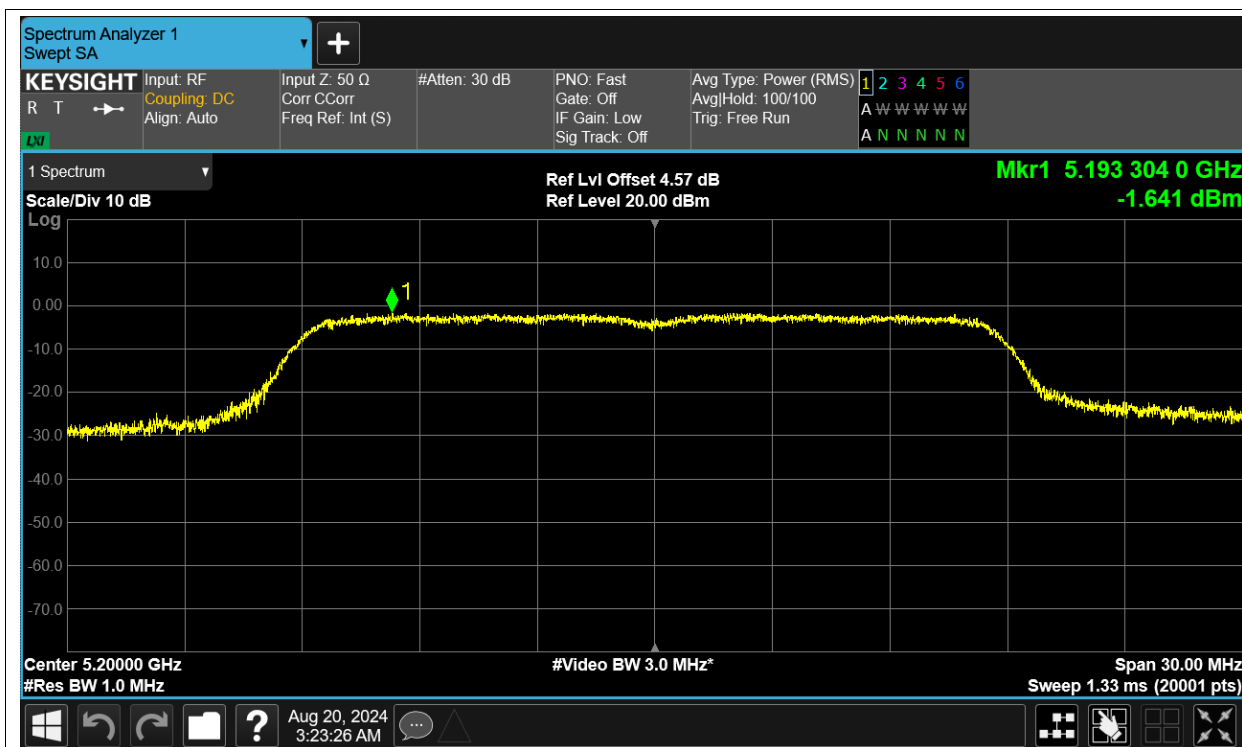
PSD NVNT a 5240MHz Ant1



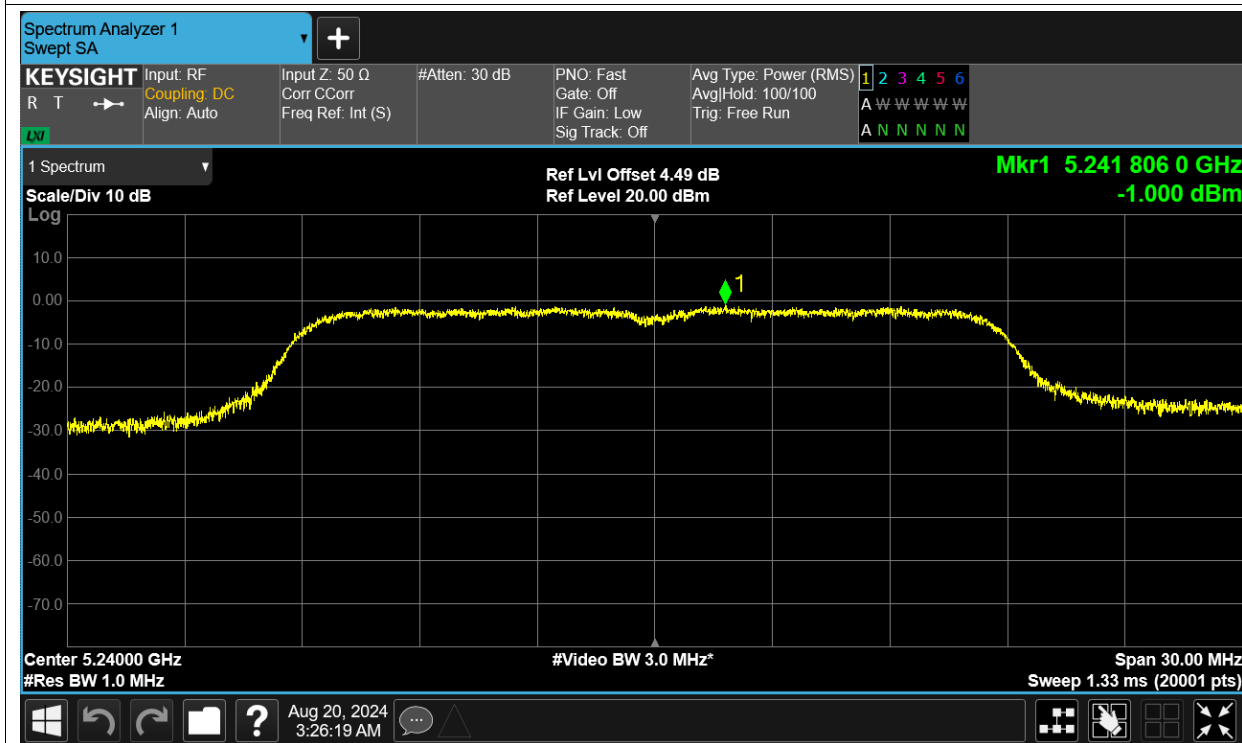
PSD NVNT ac20 5180MHz Ant1



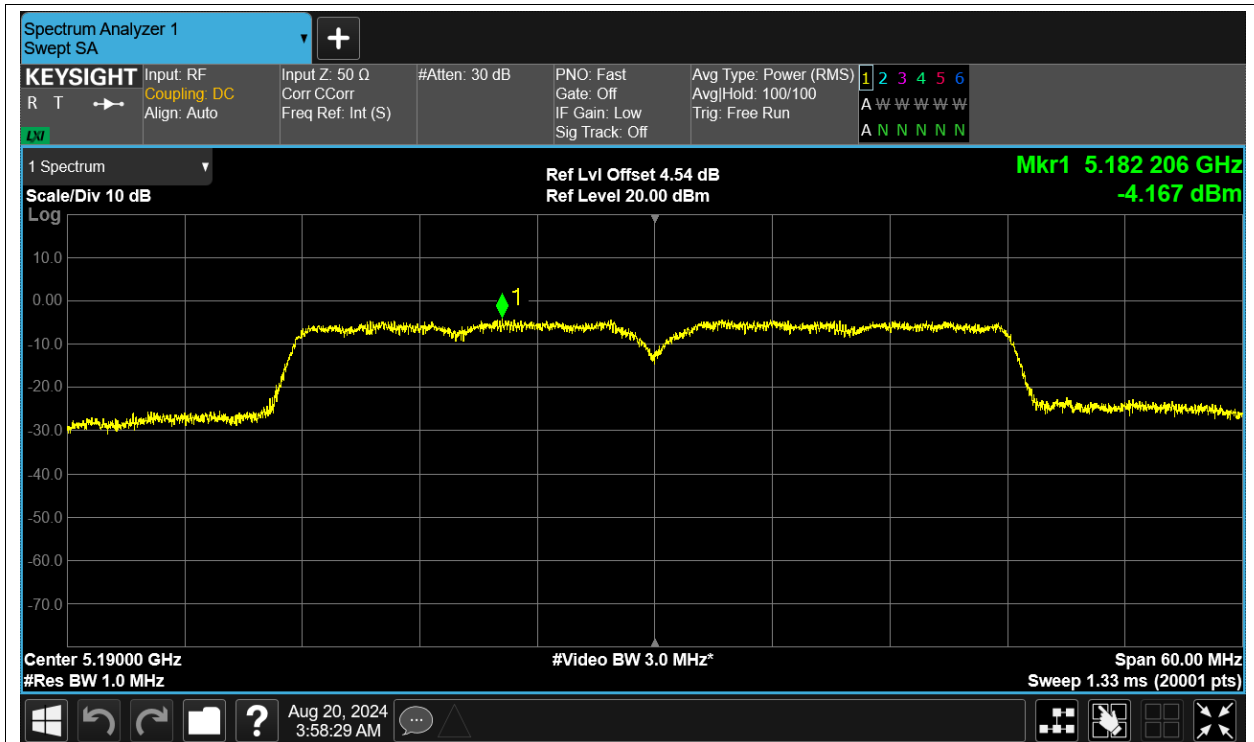
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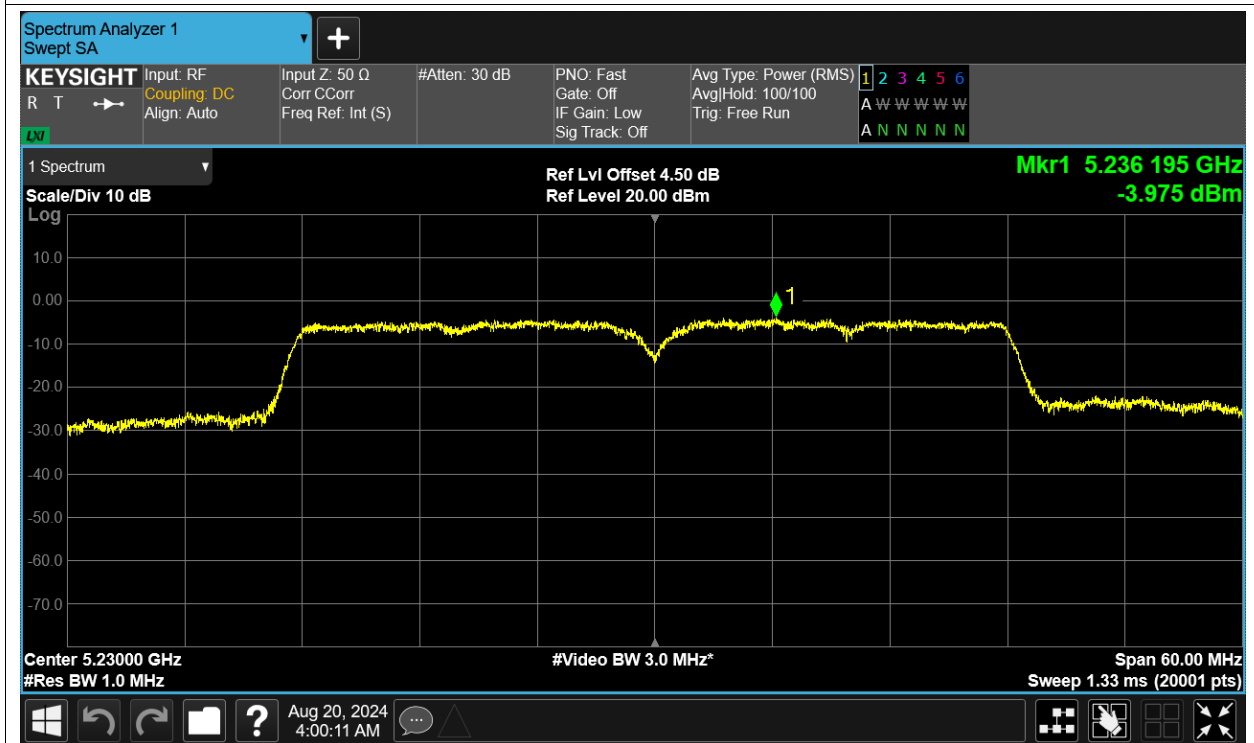
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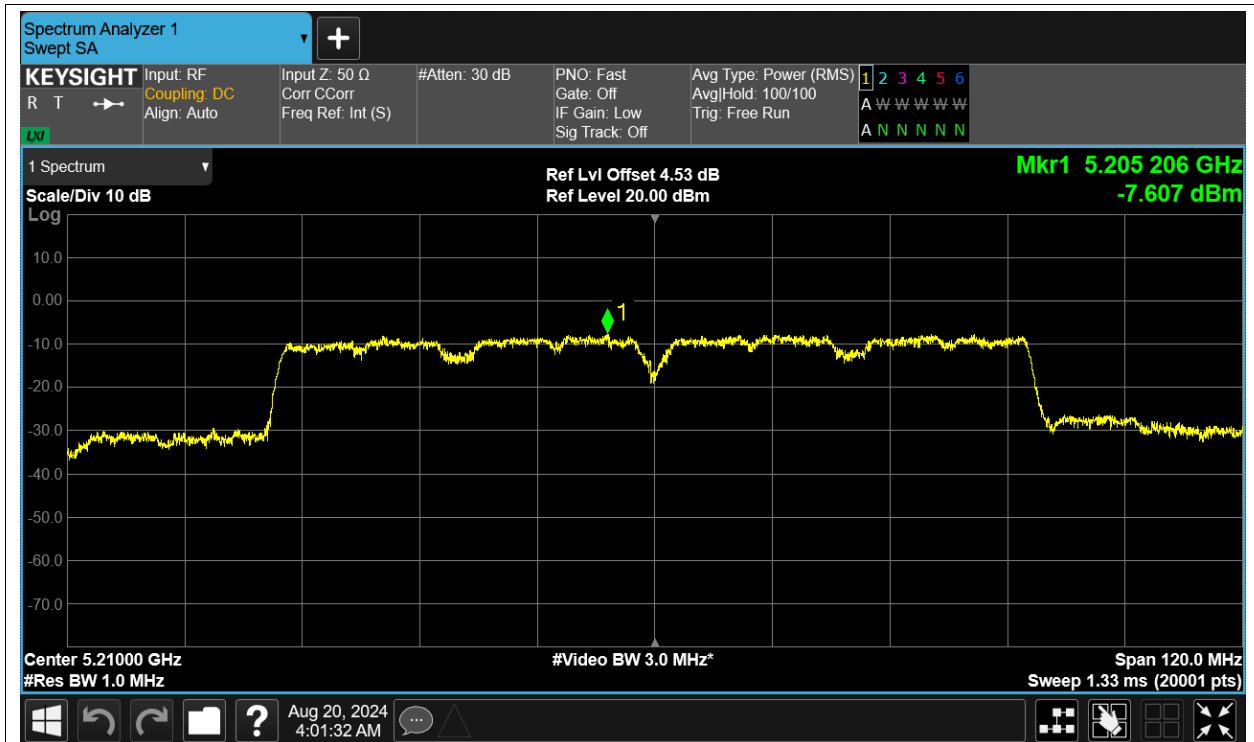
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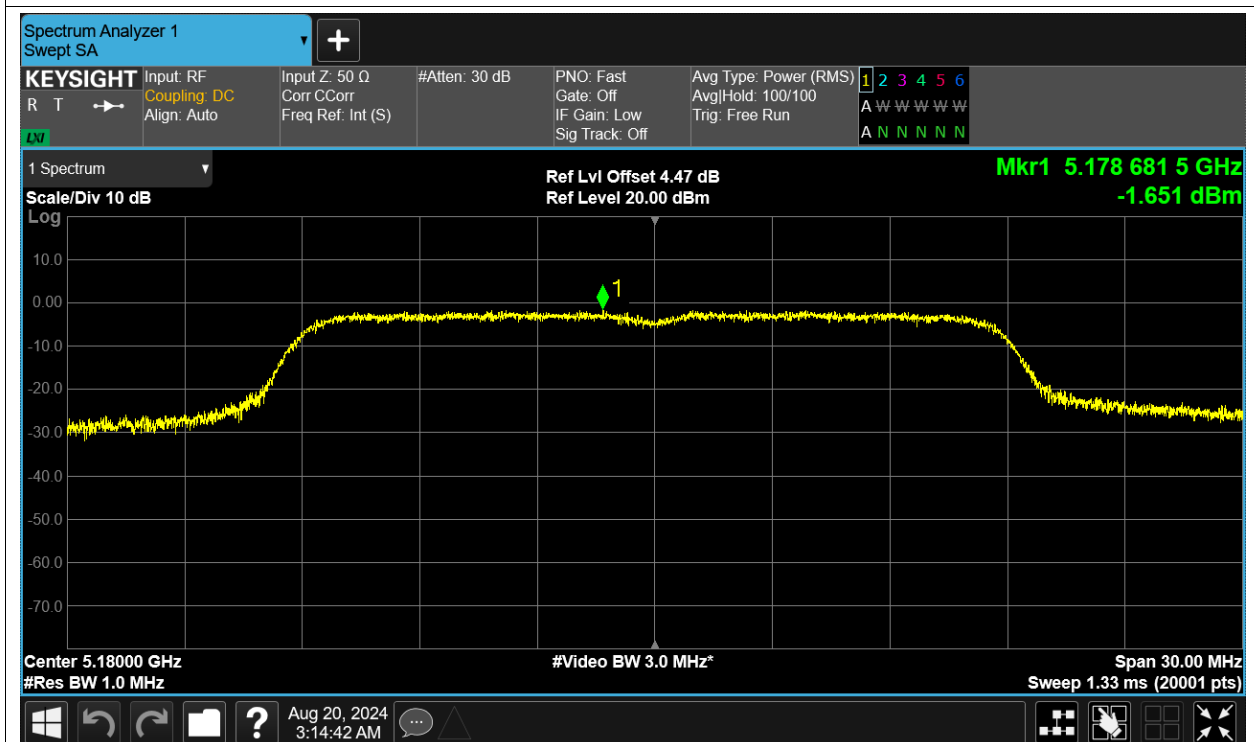
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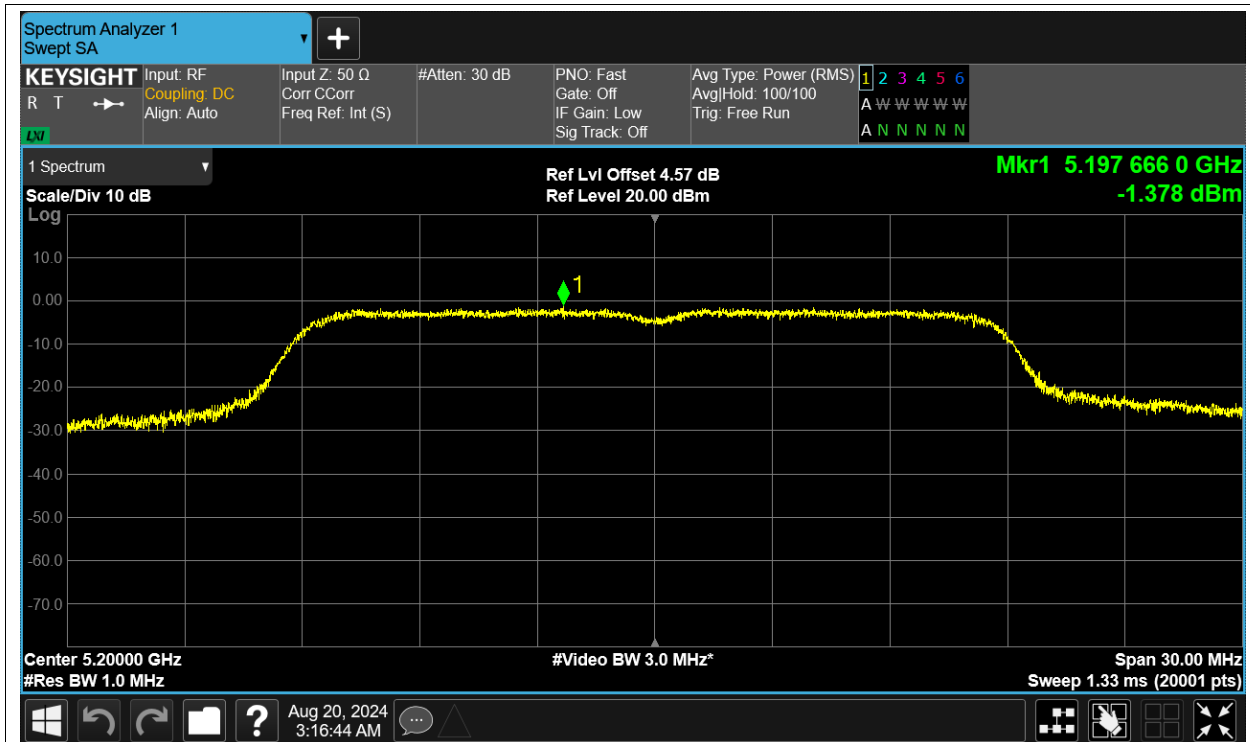
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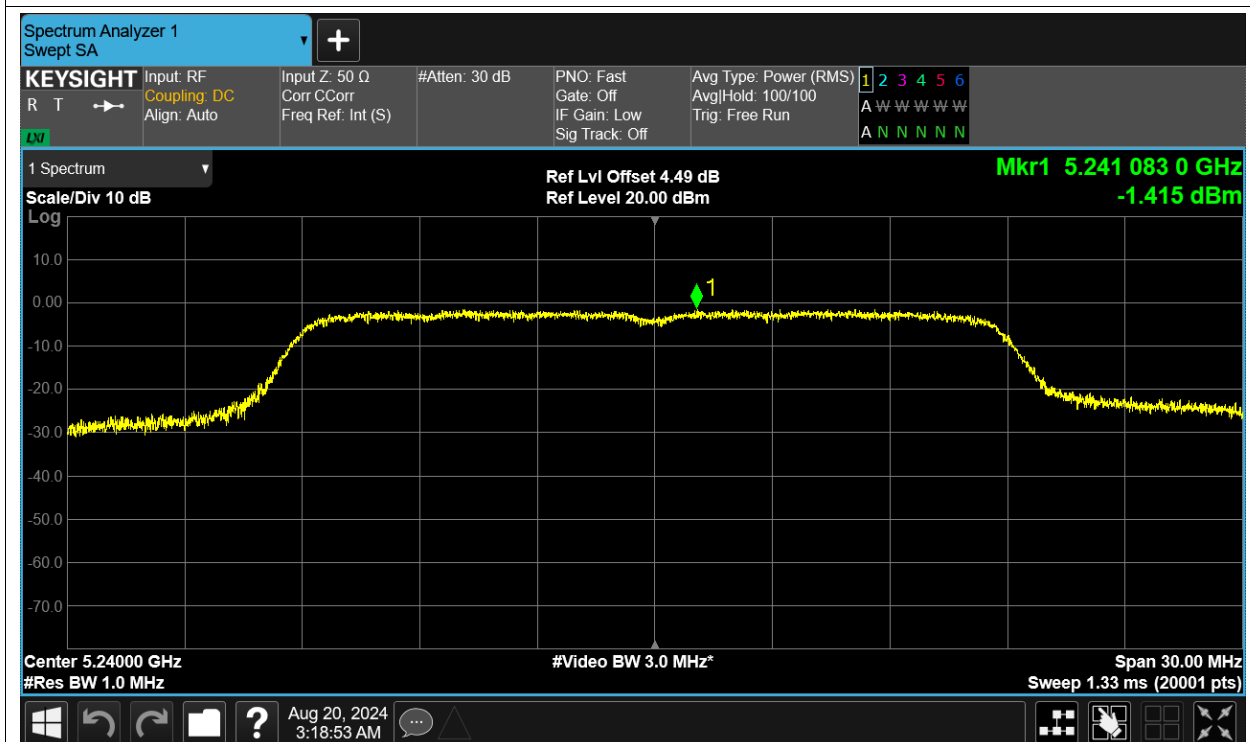
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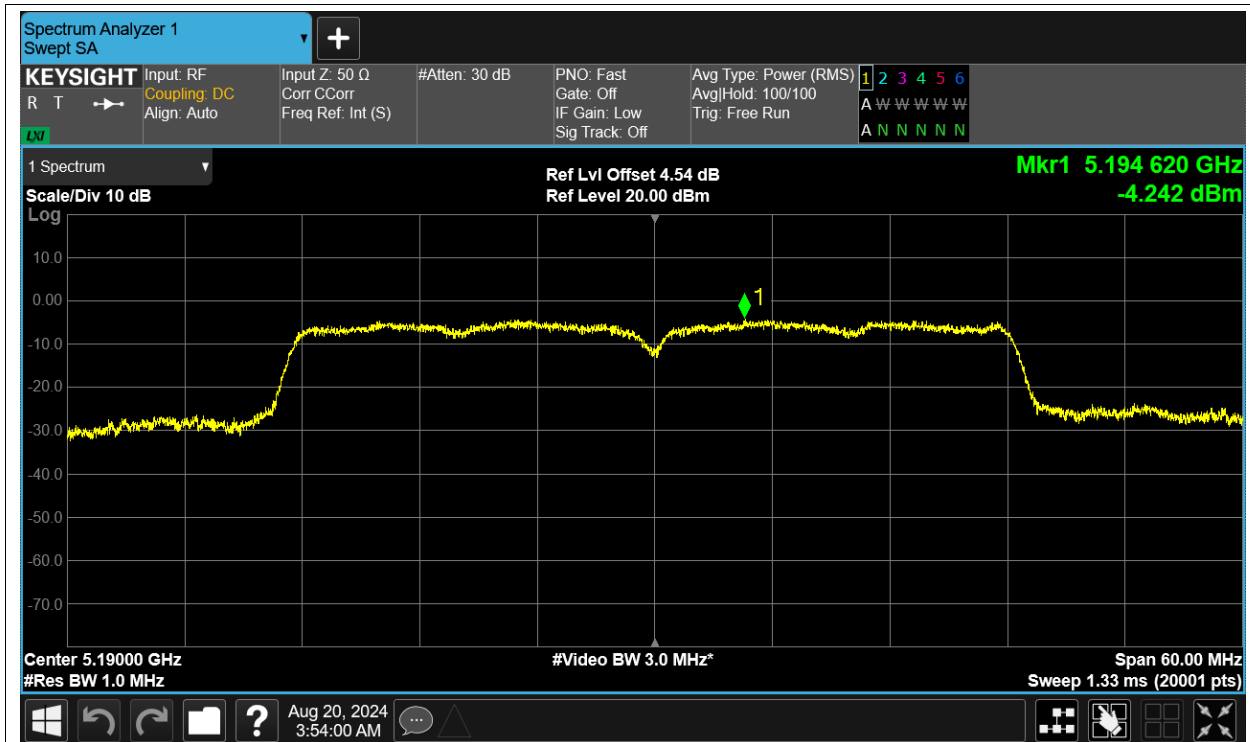
PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

