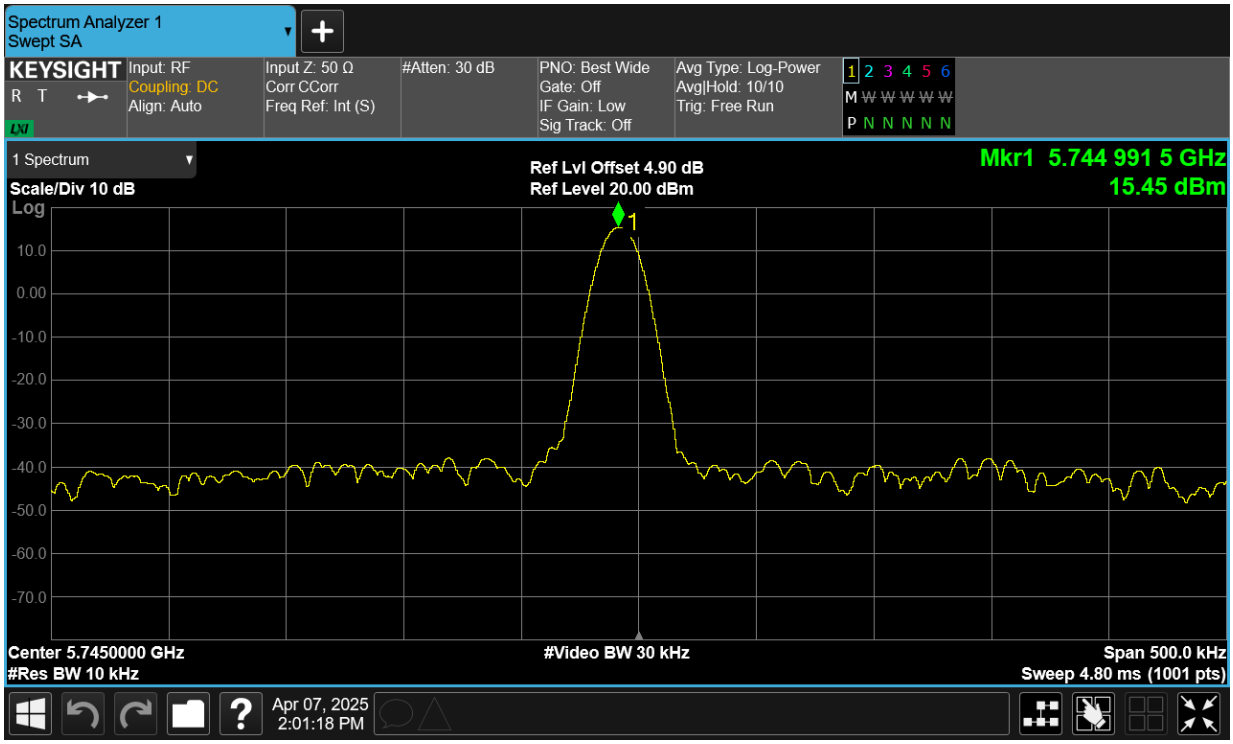
Test Data

Frequency Stability

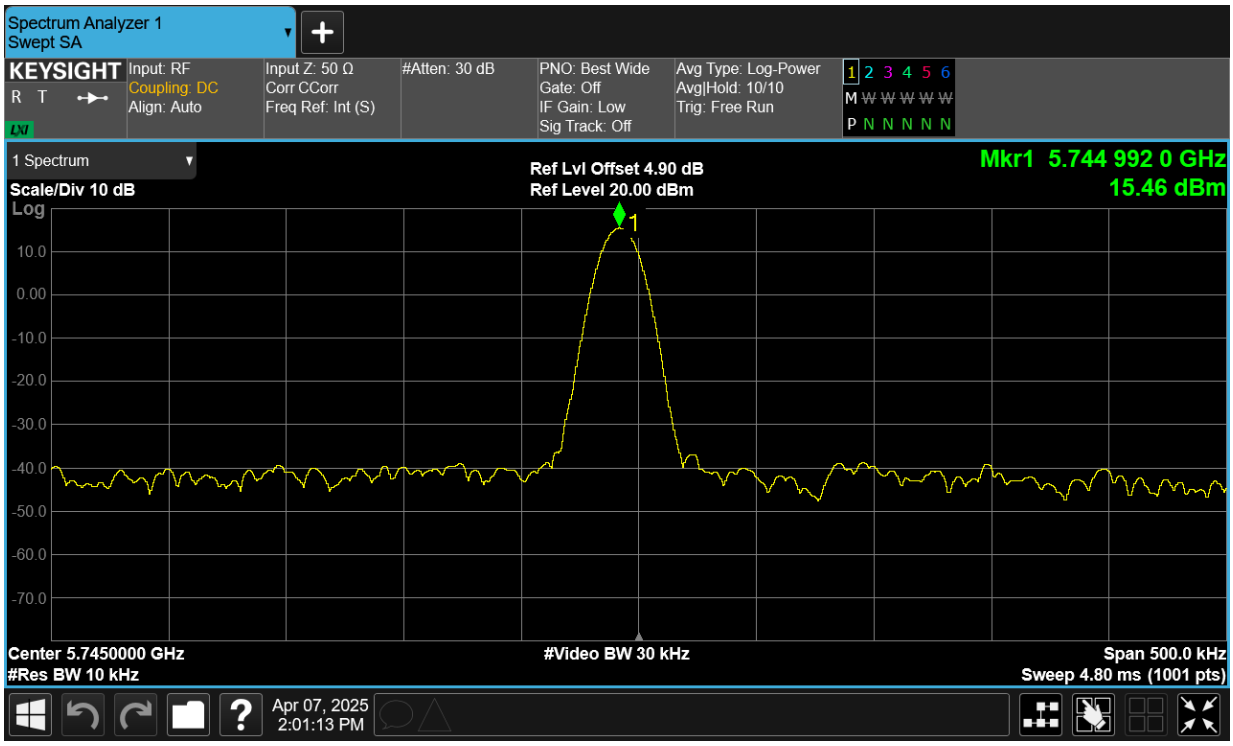
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5745	Ant0	5744.9915	-1.48	25	Pass
LVNT	a	5745	Ant0	5744.992	-1.39	25	Pass
NVHT	a	5745	Ant0	5744.992	-1.39	25	Pass
NVLT	a	5745	Ant0	5744.9925	-1.31	25	Pass
NVNT	a	5745	Ant0	5744.994	-1.04	25	Pass
HVNT	ac80	5775	Sum	5774.9915	-1.47	25	Pass
LVNT	ac80	5775	Sum	5774.9915	-1.47	25	Pass
NVHT	ac80	5775	Sum	5774.992	-1.39	25	Pass
NVLT	ac80	5775	Sum	5774.992	-1.39	25	Pass
NVNT	ac80	5775	Sum	5774.9935	-1.13	25	Pass
HVNT	n40	5755	Sum	5754.9915	-1.48	25	Pass
LVNT	n40	5755	Sum	5754.9915	-1.48	25	Pass
NVHT	n40	5755	Sum	5754.9915	-1.48	25	Pass
NVLT	n40	5755	Sum	5754.992	-1.39	25	Pass
NVNT	n40	5755	Sum	5754.992	-1.39	25	Pass

Test Graphs

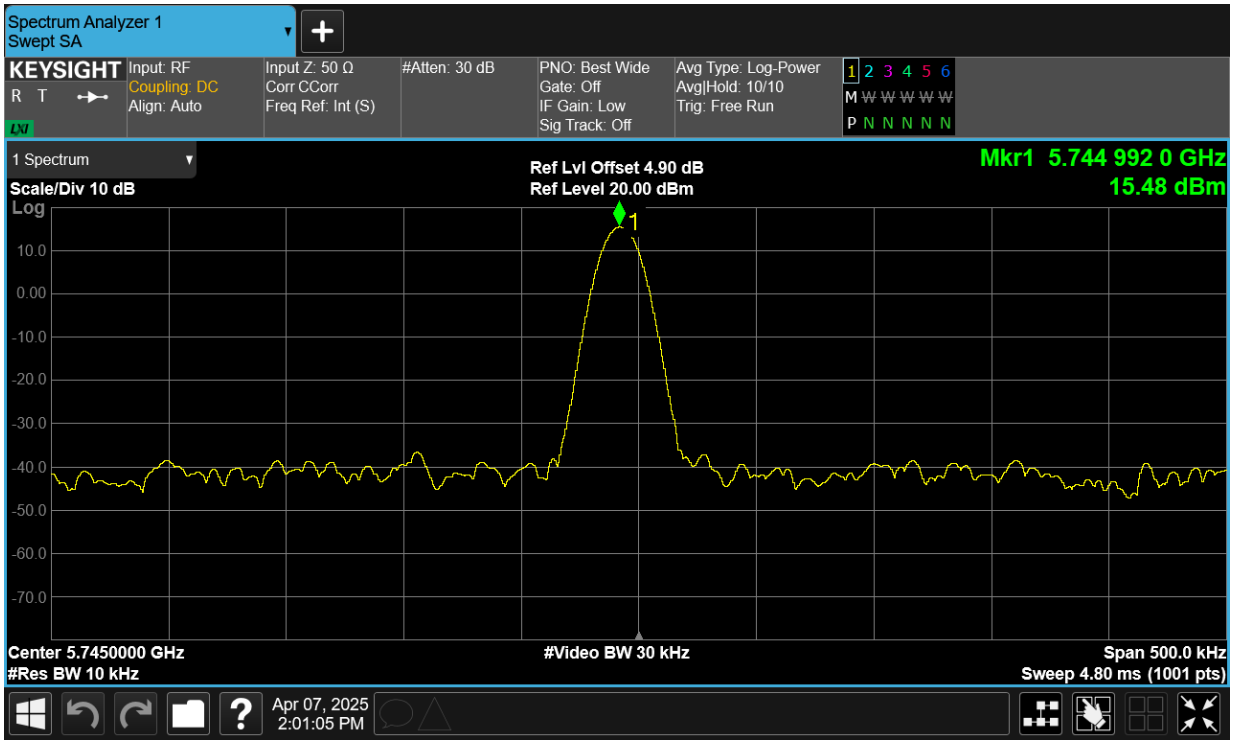
Freq. Stability HVNT a 5745MHz Ant0



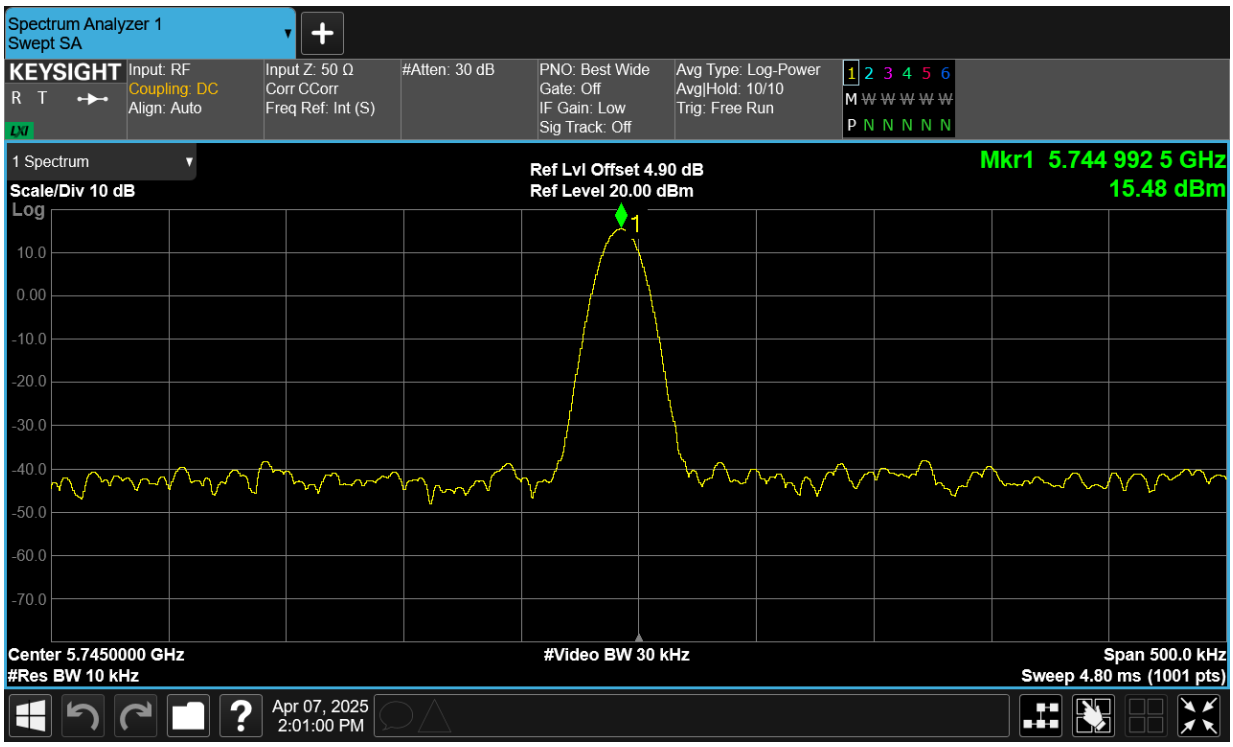
Freq. Stability LVNT a 5745MHz Ant0



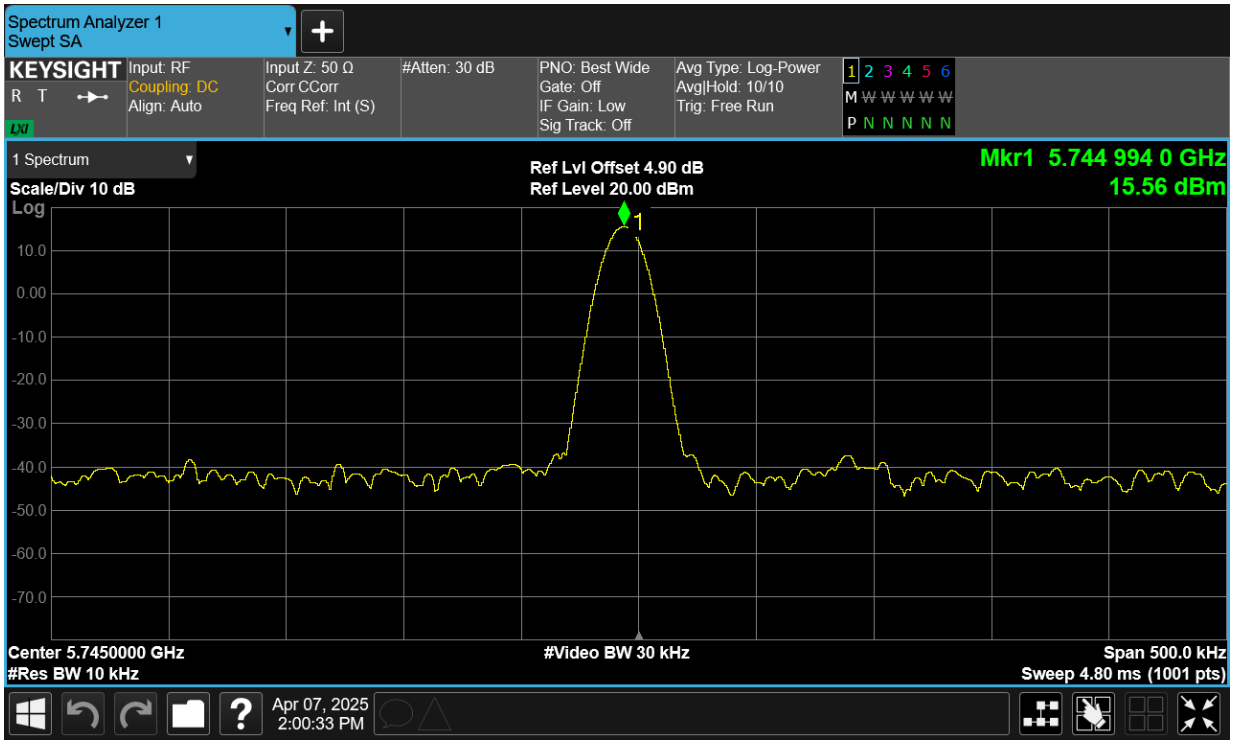
Freq. Stability NVHT a 5745MHz Ant0



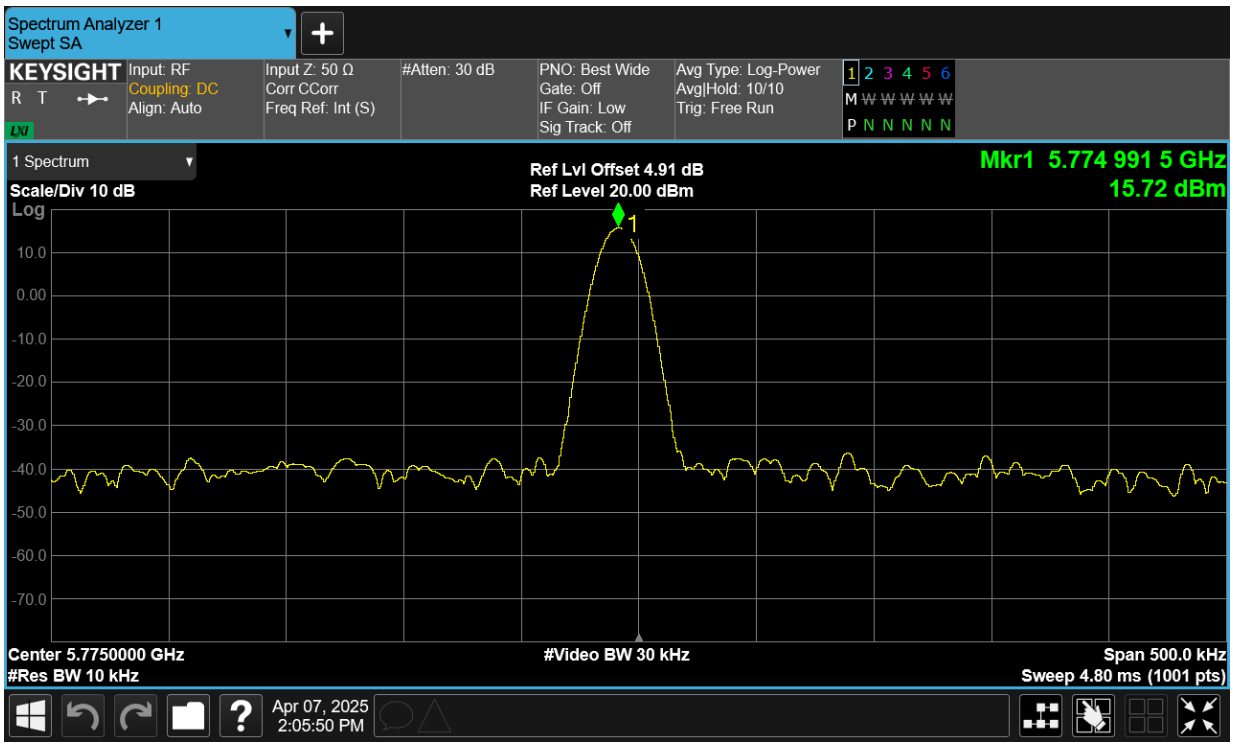
Freq. Stability NVLT a 5745MHz Ant0



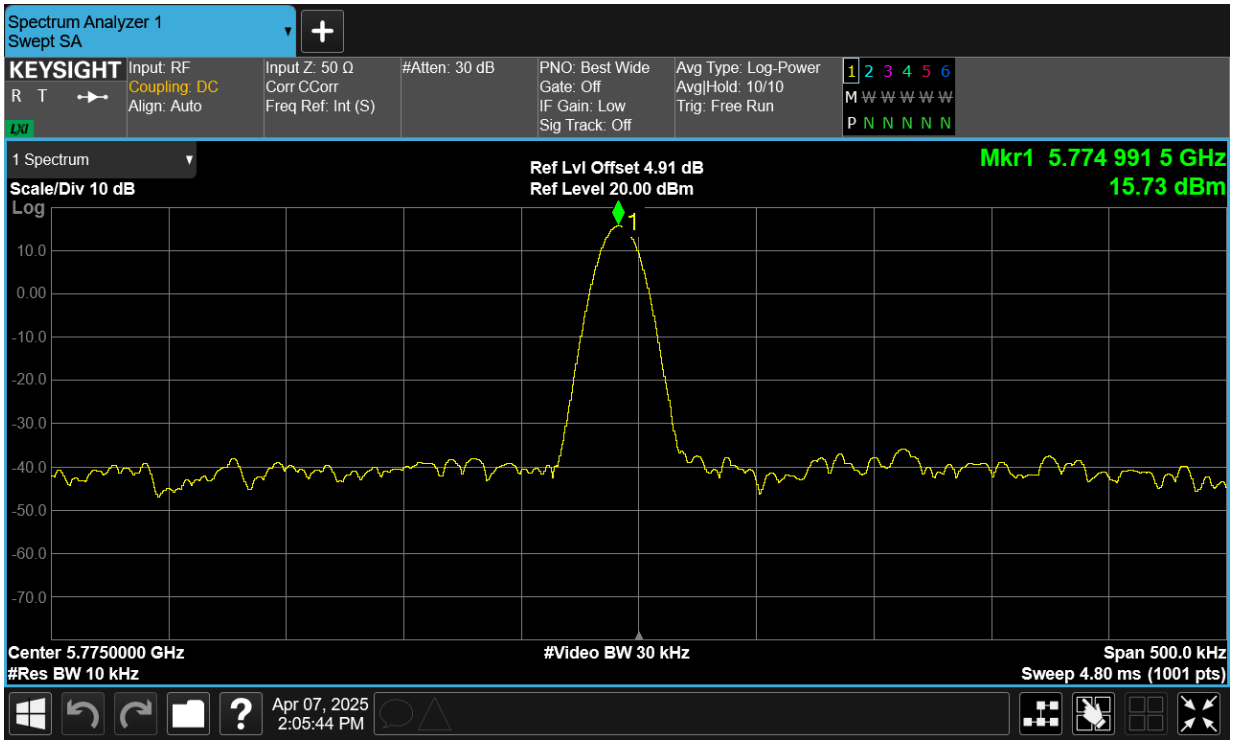
Freq. Stability NVNT a 5745MHz Ant0



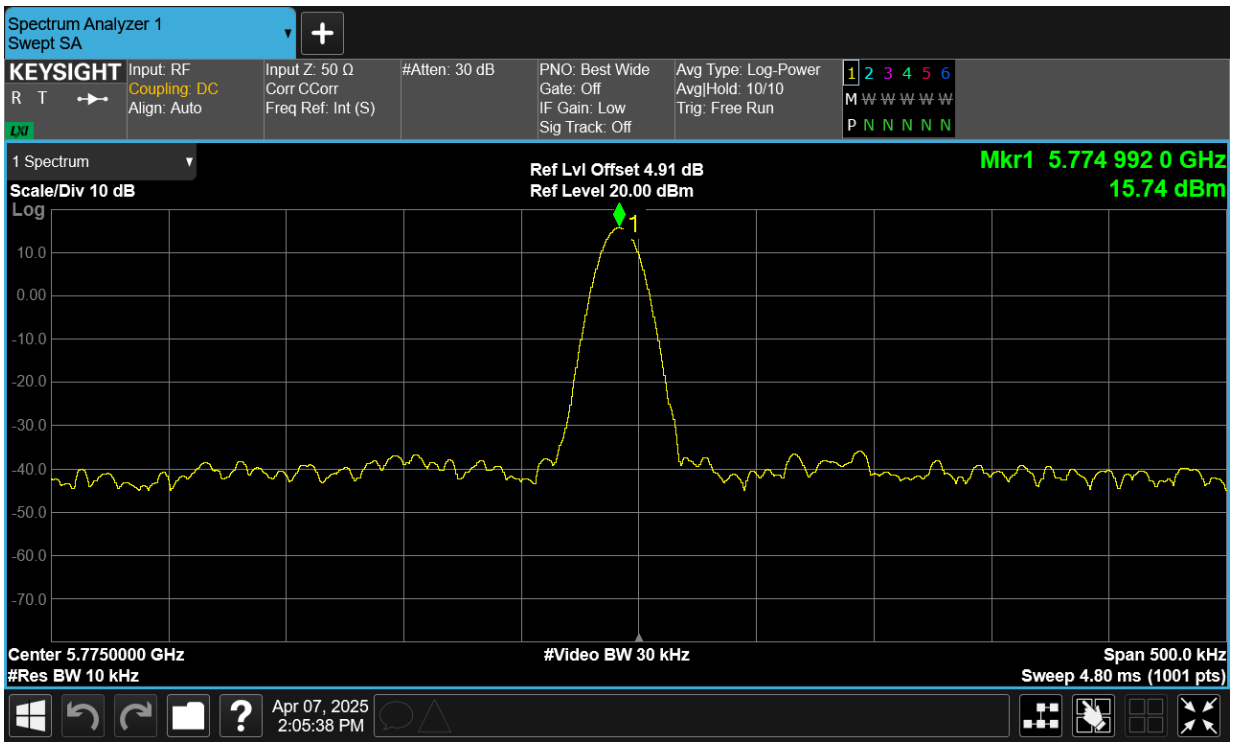
Freq. Stability HVNT ac80 5775MHz Sum



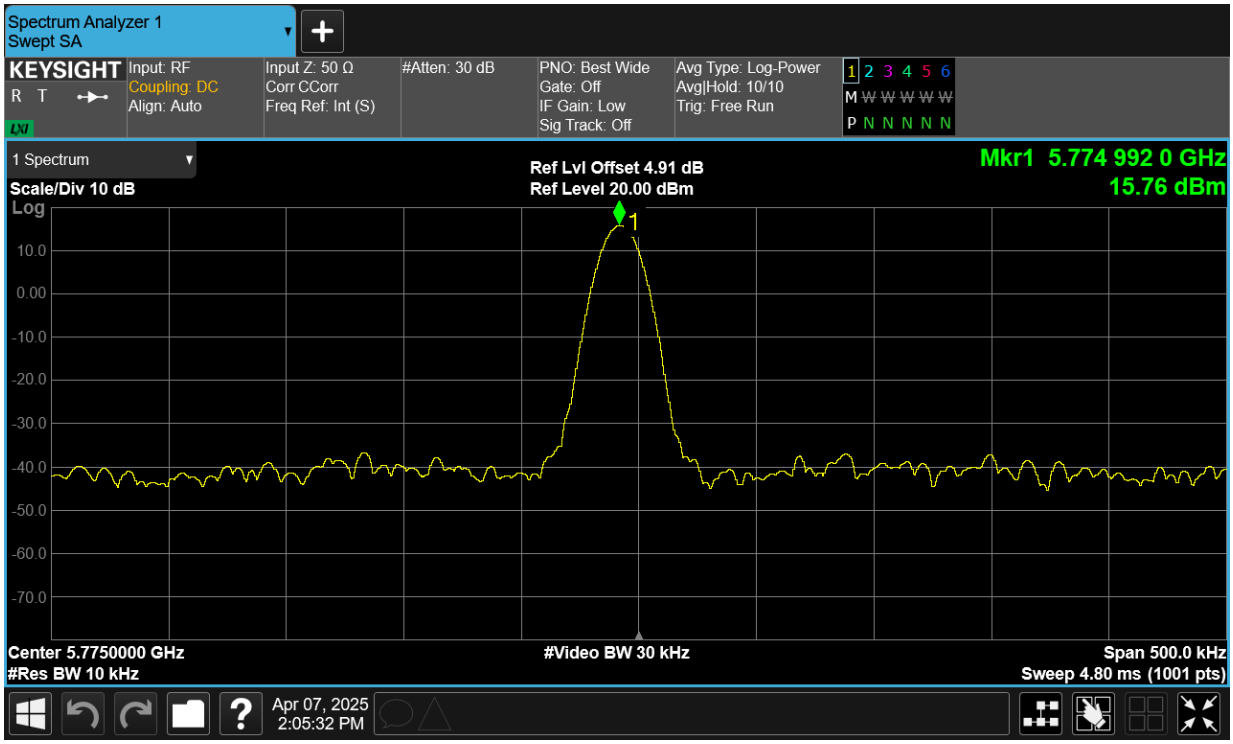
Freq. Stability LVNT ac80 5775MHz Sum



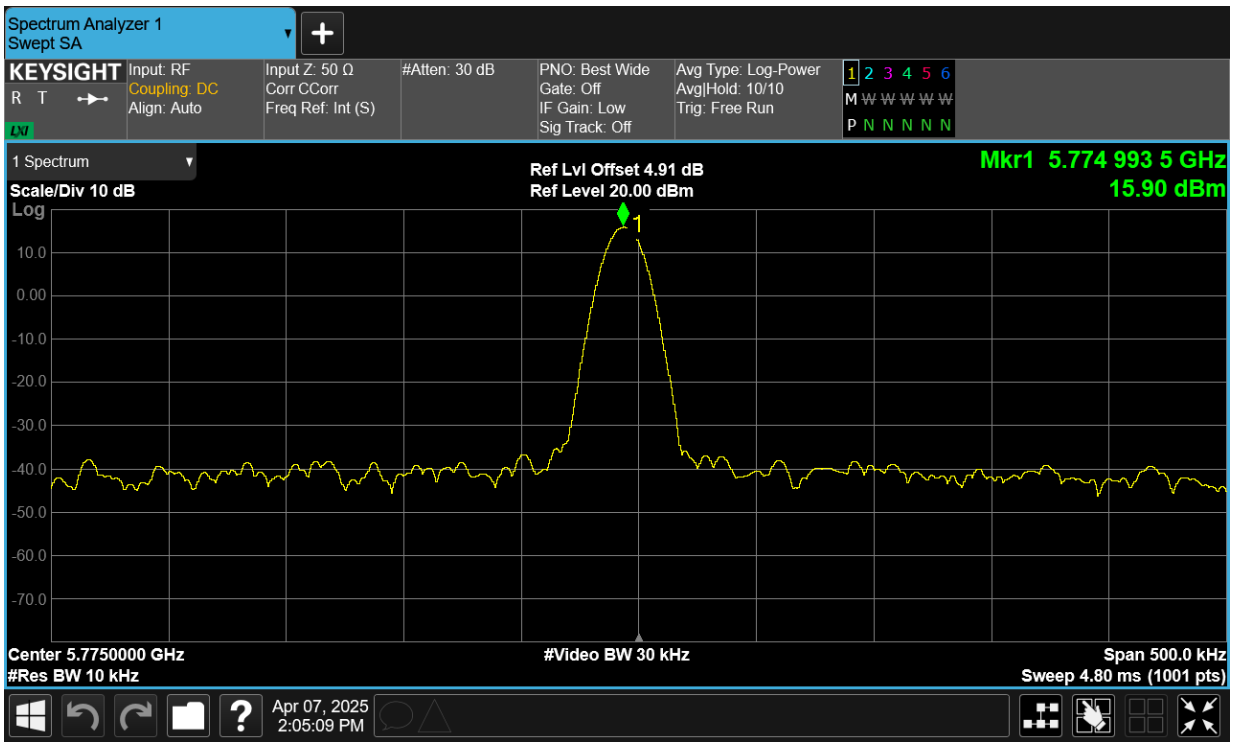
Freq. Stability NVHT ac80 5775MHz Sum



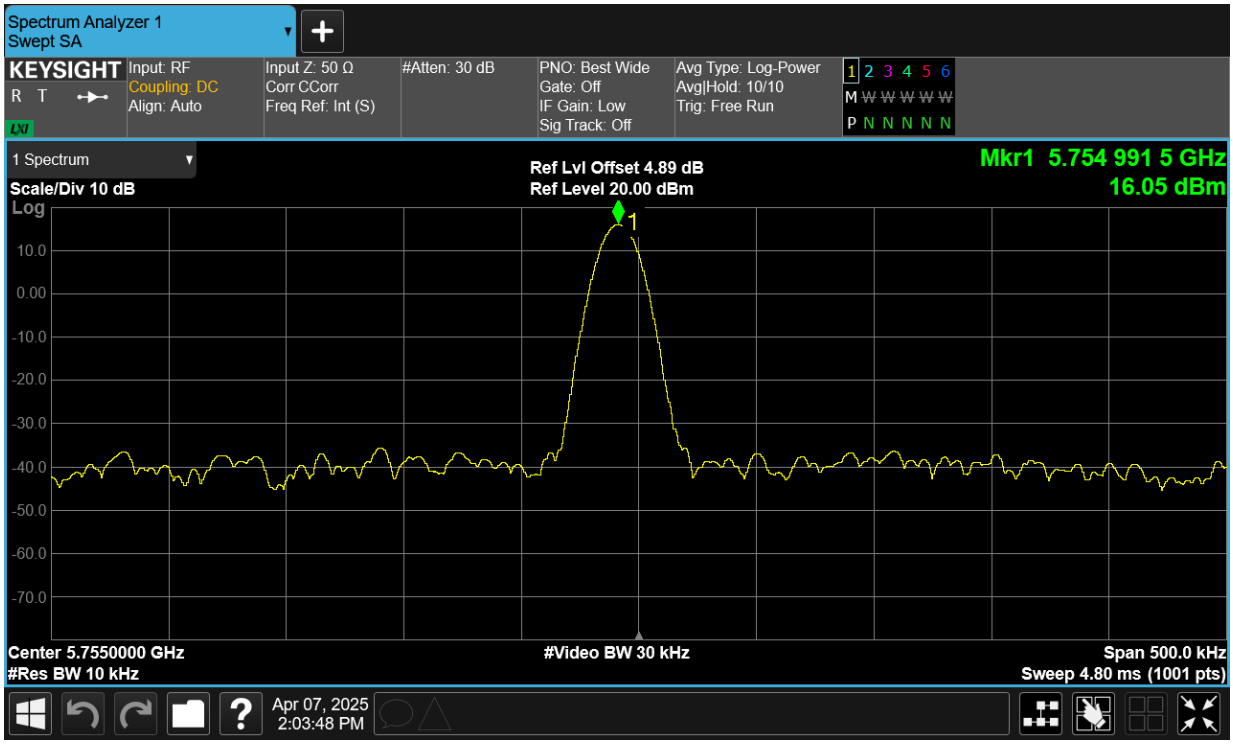
Freq. Stability NVLT ac80 5775MHz Sum



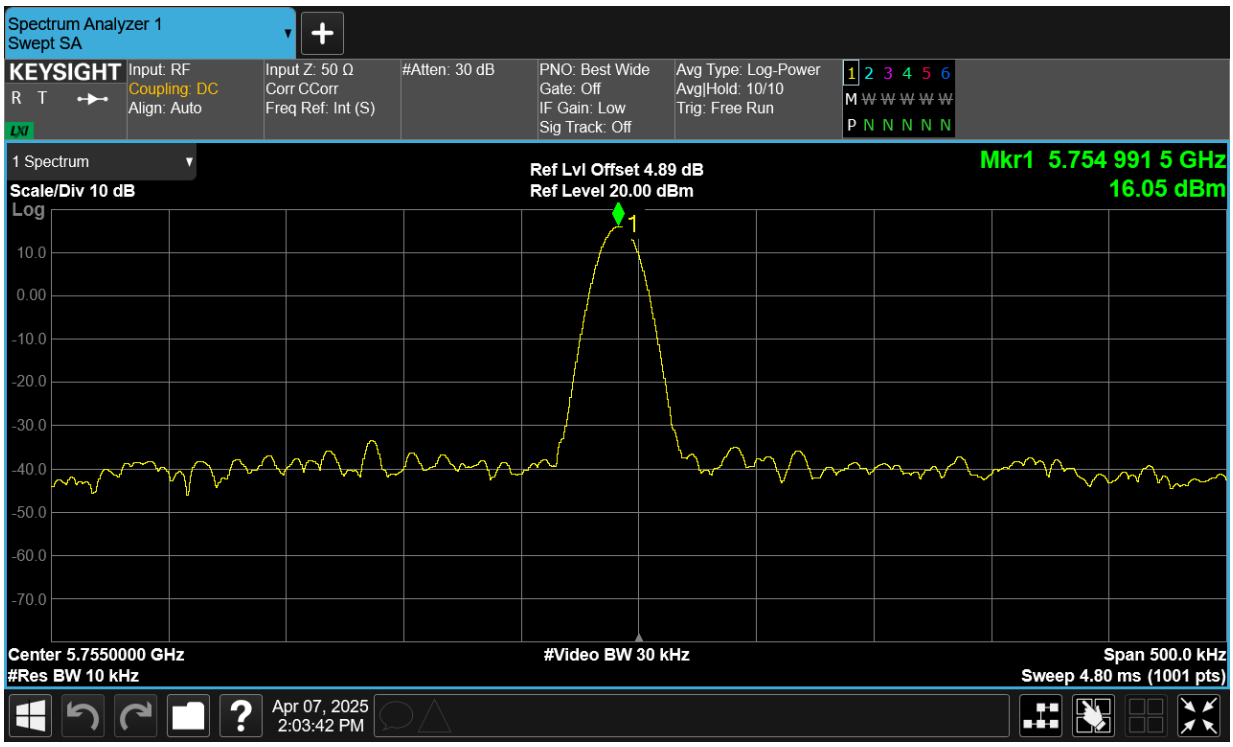
Freq. Stability NVNT ac80 5775MHz Sum



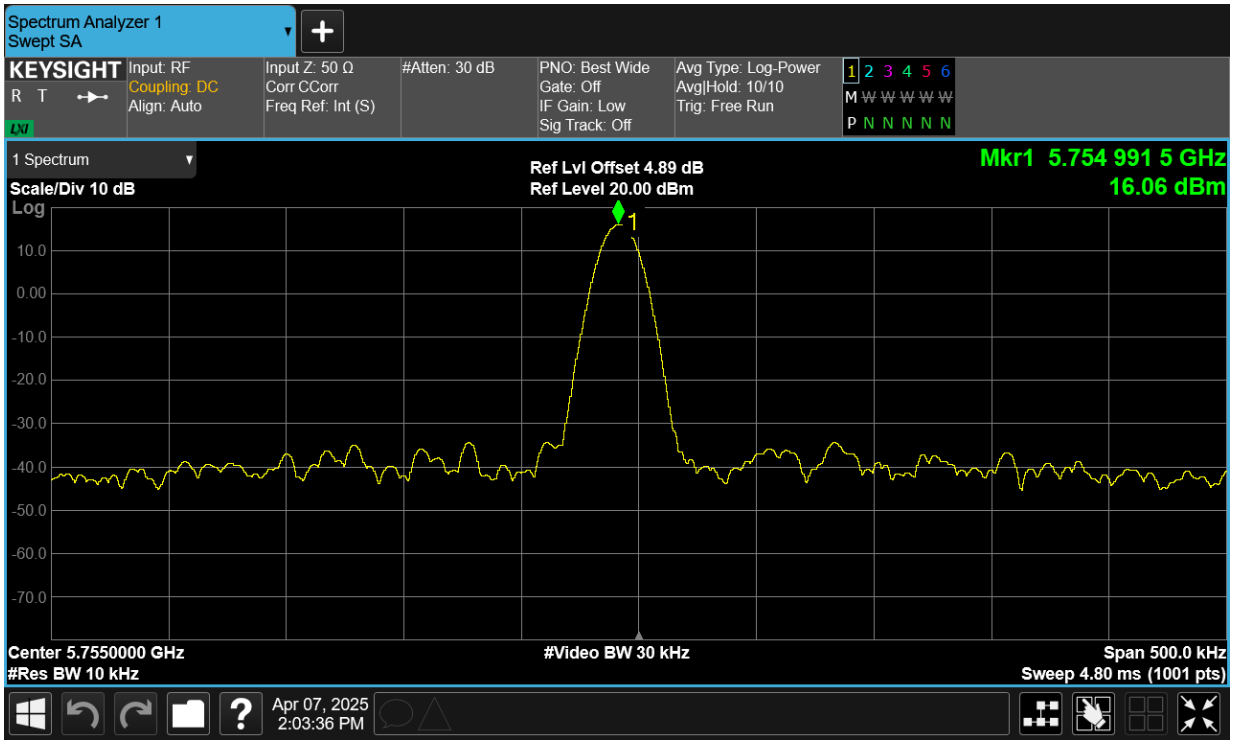
Freq. Stability HVNT n40 5755MHz Sum



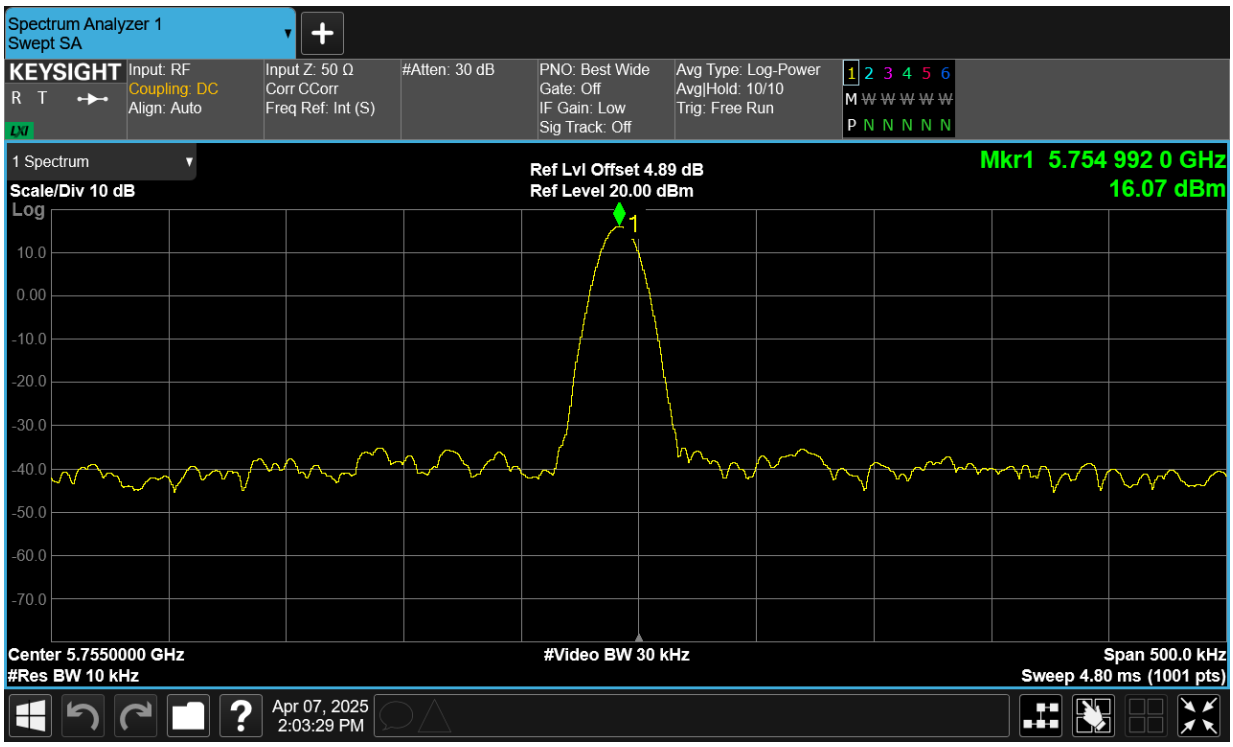
Freq. Stability LVNT n40 5755MHz Sum



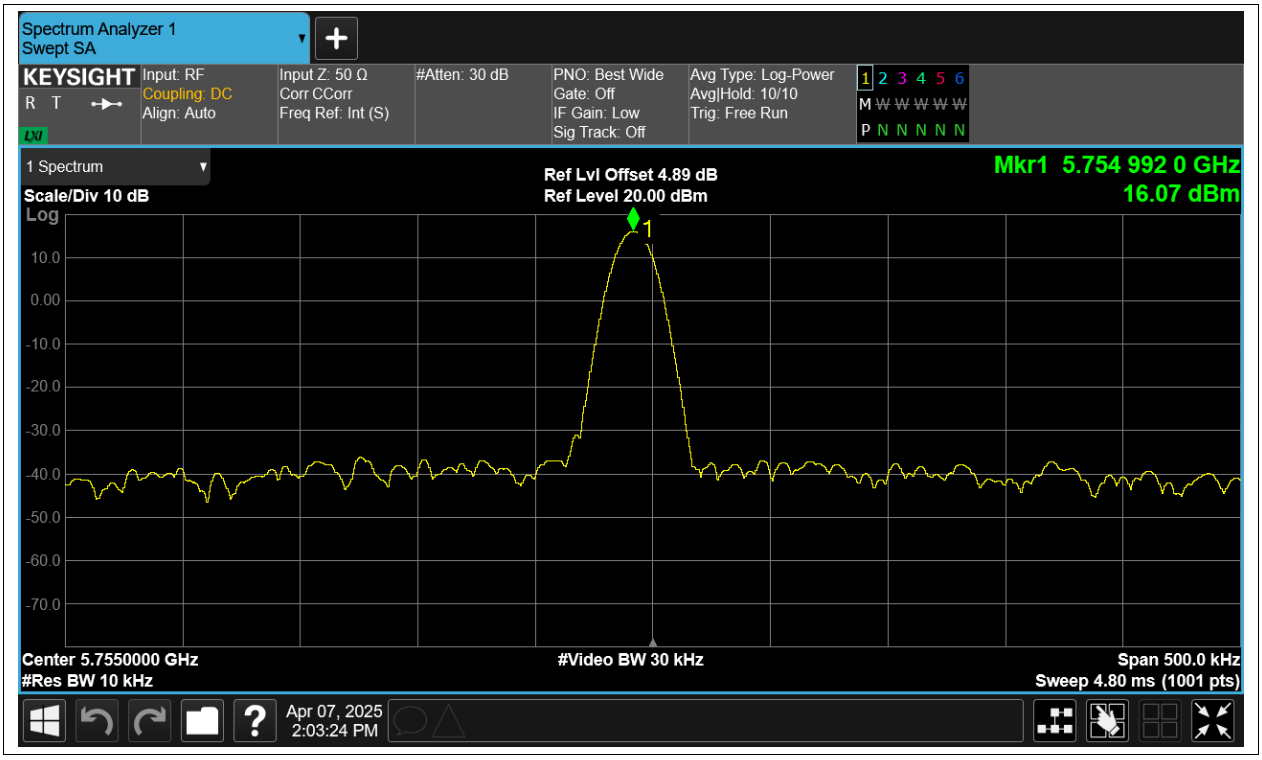
Freq. Stability NVHT n40 5755MHz Sum



Freq. Stability NVLT n40 5755MHz Sum



Freq. Stability NVNT n40 5755MHz Sum

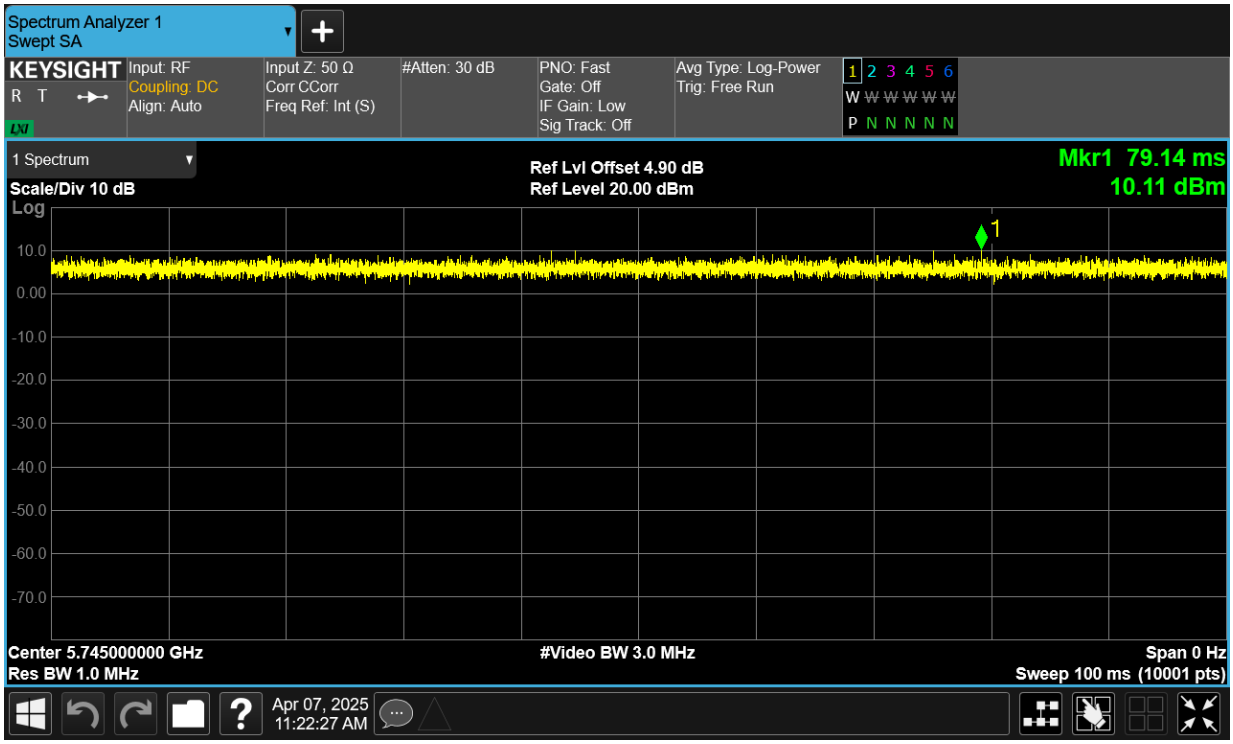

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corr CCorr
Freq Ref: Int (S)
#Atten: 30 dB
PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Avg|Hold: 10/10
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 4.89 dB
Ref Level 20.00 dBm
Mkr1 5.754 992 0 GHz
16.07 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 5.7550000 GHz
#Res BW 10 kHz
#Video BW 30 kHz
Span 500.0 kHz
Sweep 4.80 ms (1001 pts)
Apr 07, 2025
2:03:24 PM

Duty Cycle

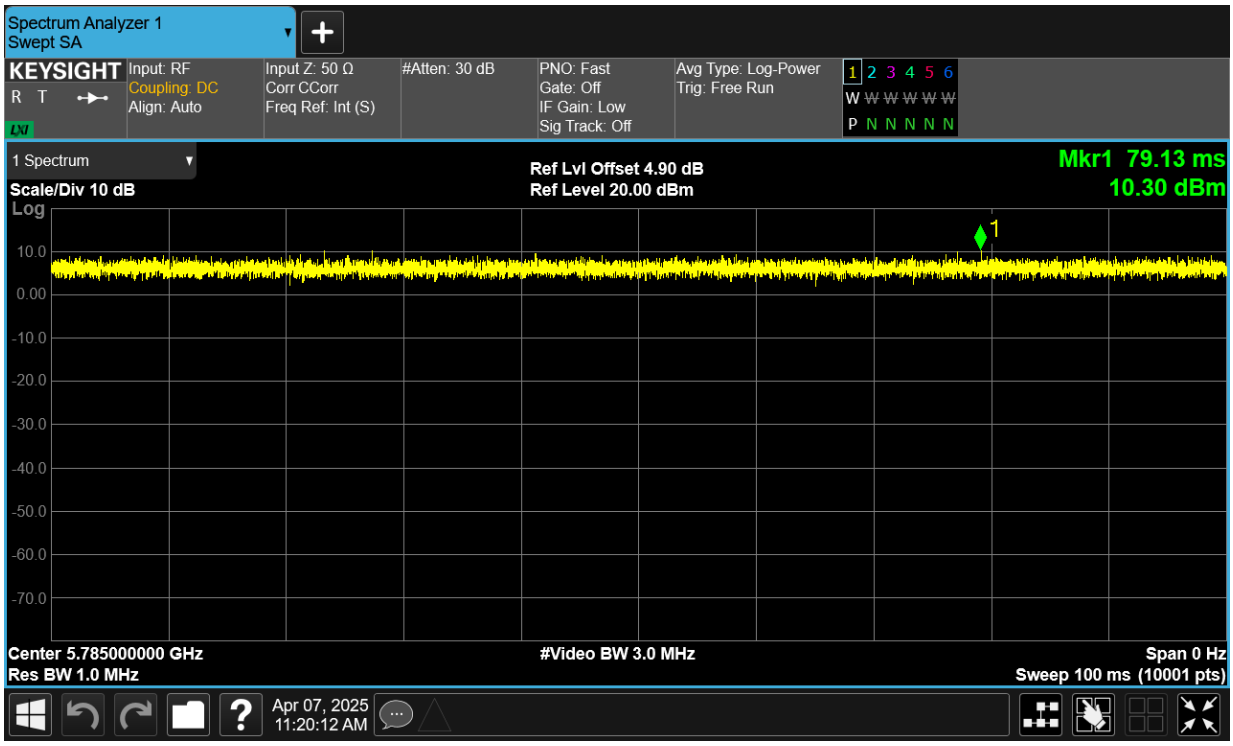
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5745	Ant0	100	0
NVNT	a	5785	Ant0	100	0
NVNT	a	5825	Ant0	100	0
NVNT	a	5745	Ant8	100	0
NVNT	a	5785	Ant8	100	0
NVNT	a	5825	Ant8	100	0
NVNT	ac20	5745	Sum	100	0
NVNT	ac20	5785	Sum	100	0
NVNT	ac20	5825	Sum	100	0
NVNT	ac40	5755	Sum	100	0
NVNT	ac40	5795	Sum	100	0
NVNT	ac80	5775	Sum	100	0
NVNT	n20	5745	Sum	100	0
NVNT	n20	5785	Sum	100	0
NVNT	n20	5825	Sum	100	0
NVNT	n40	5755	Sum	100	0
NVNT	n40	5795	Sum	100	0

Test Graphs

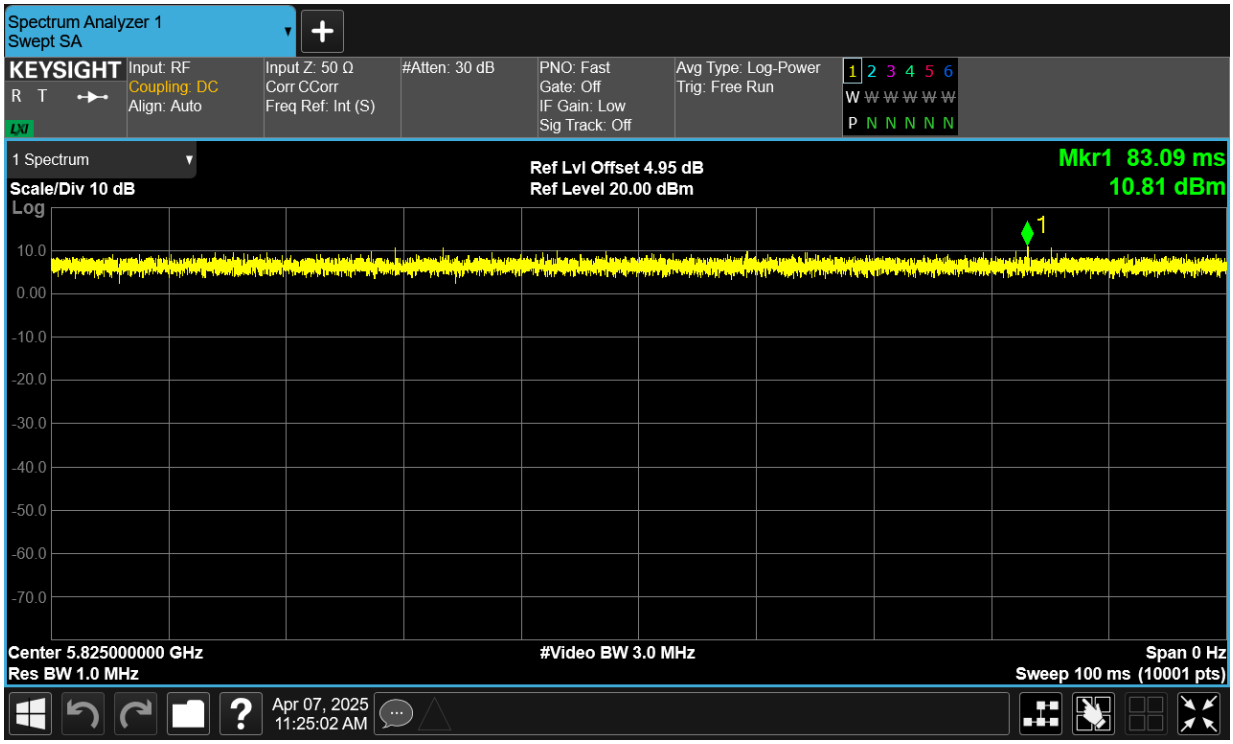
Duty Cycle NVNT a 5745MHz Ant0



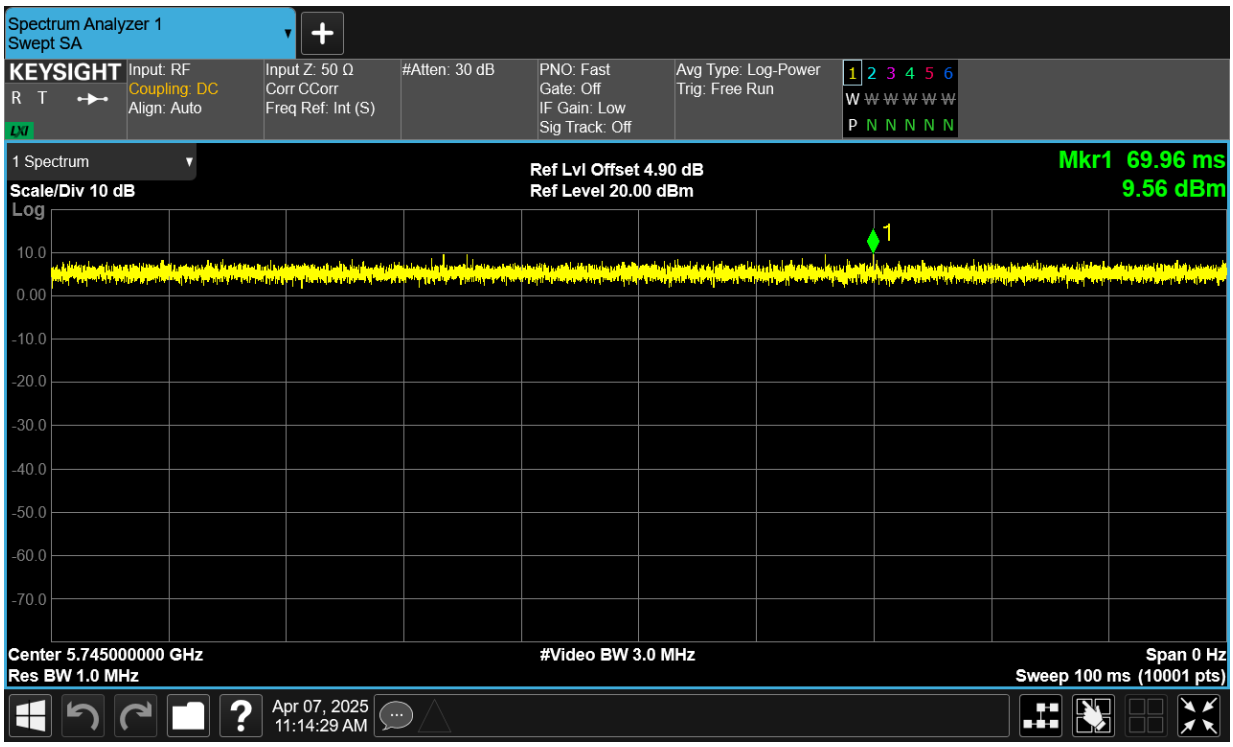
Duty Cycle NVNT a 5785MHz Ant0



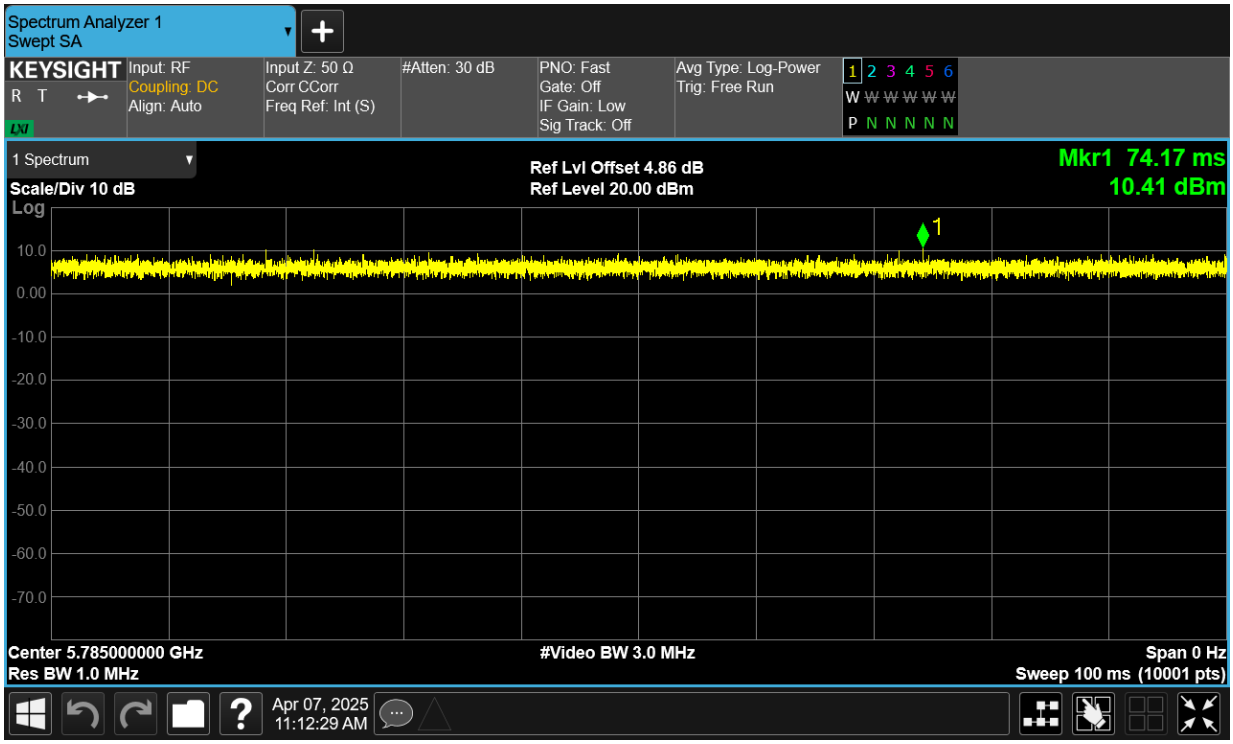
Duty Cycle NVNT a 5825MHz Ant0



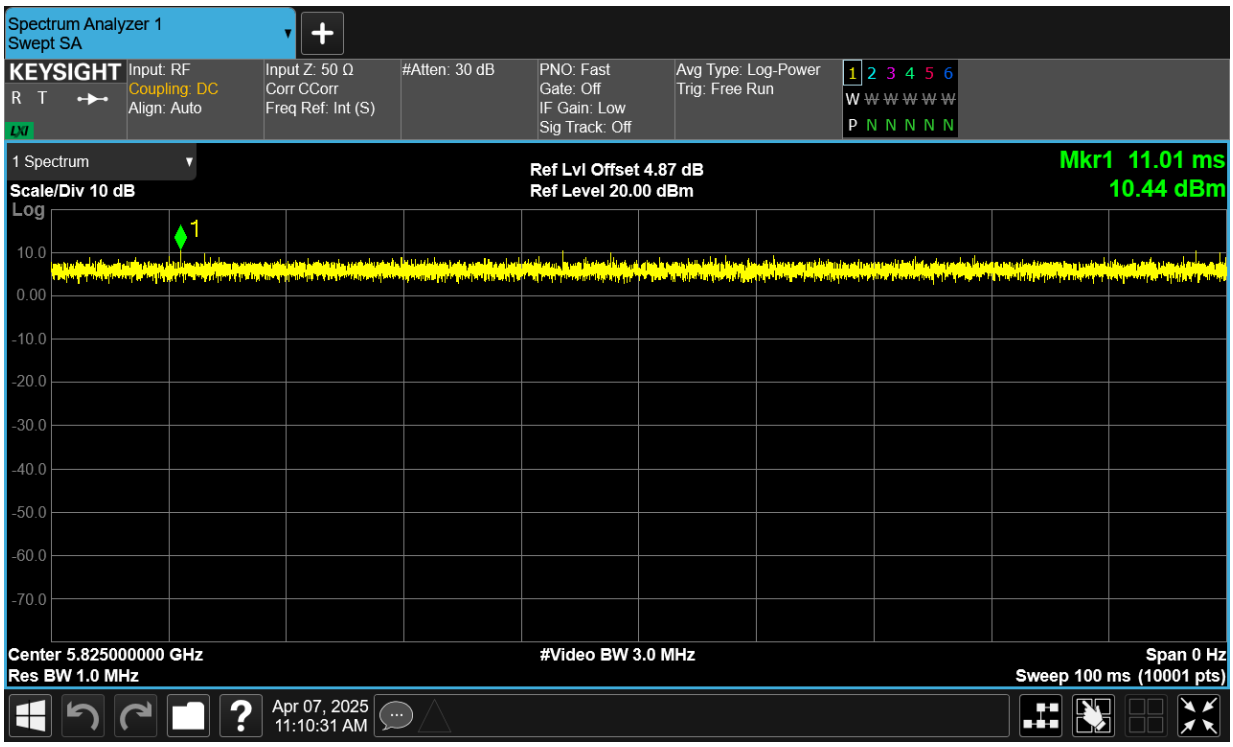
Duty Cycle NVNT a 5745MHz Ant8



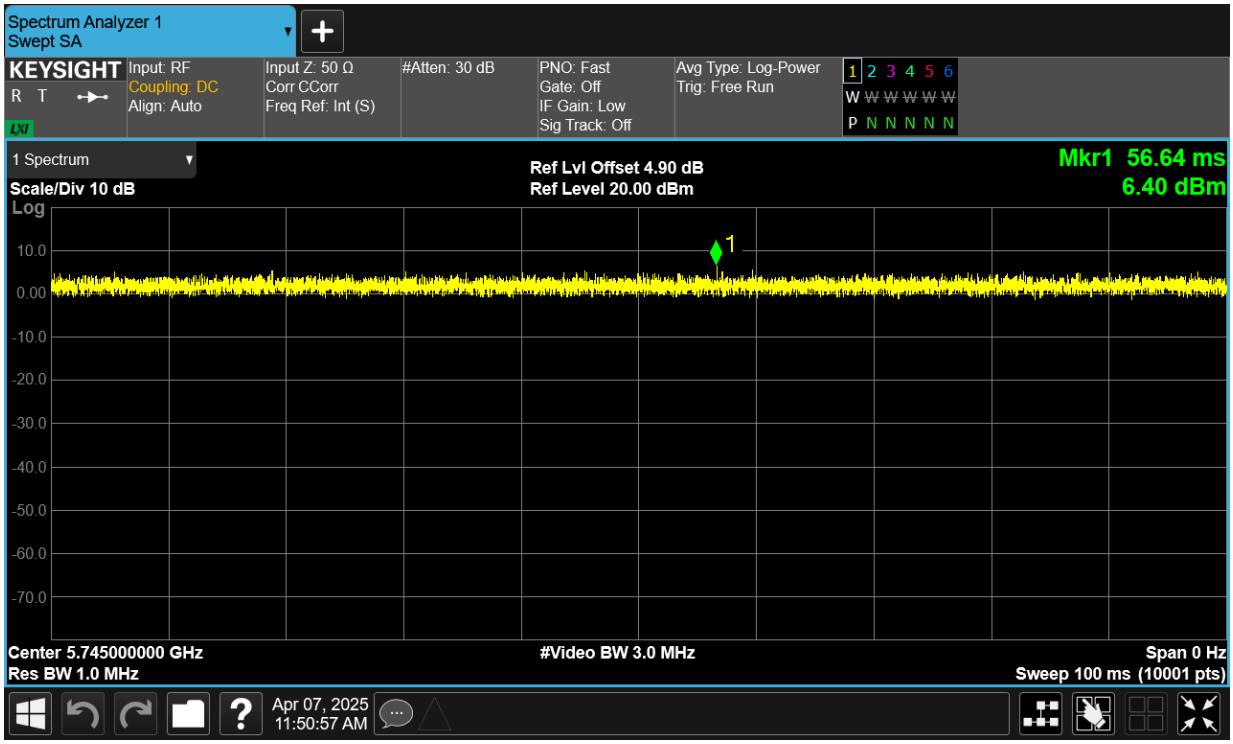
Duty Cycle NVNT a 5785MHz Ant8



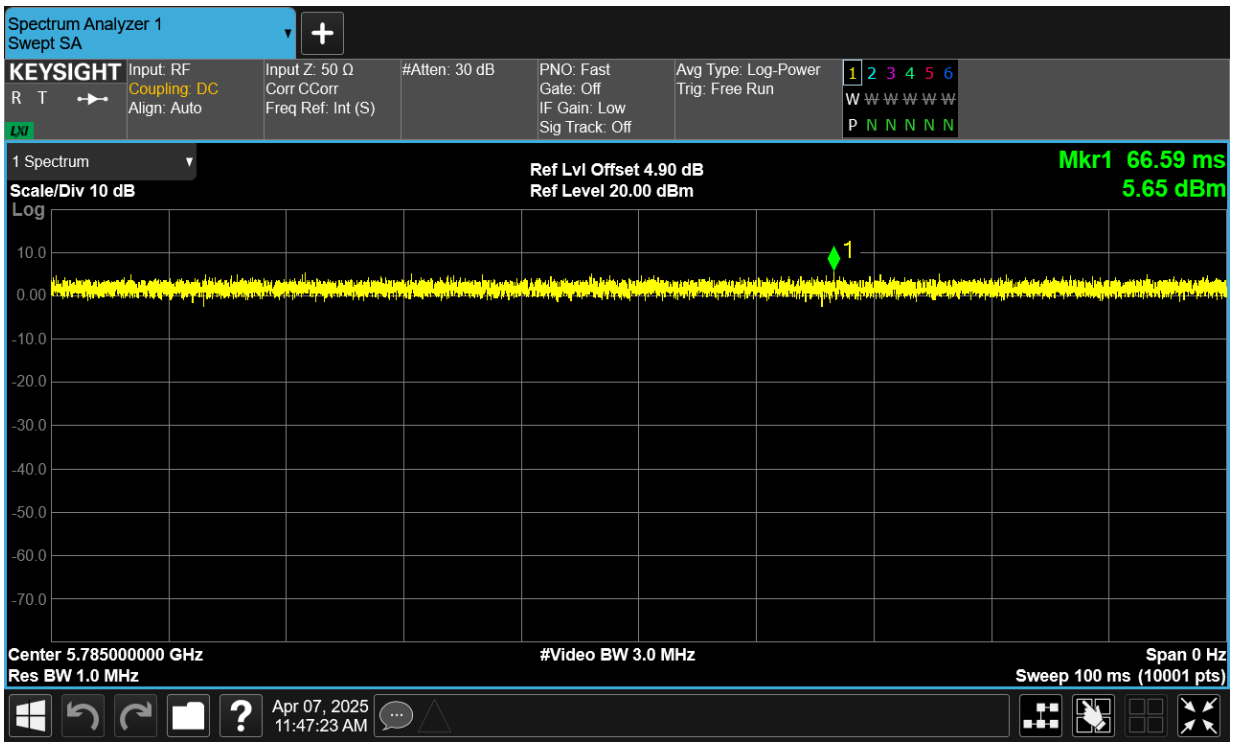
Duty Cycle NVNT a 5825MHz Ant8



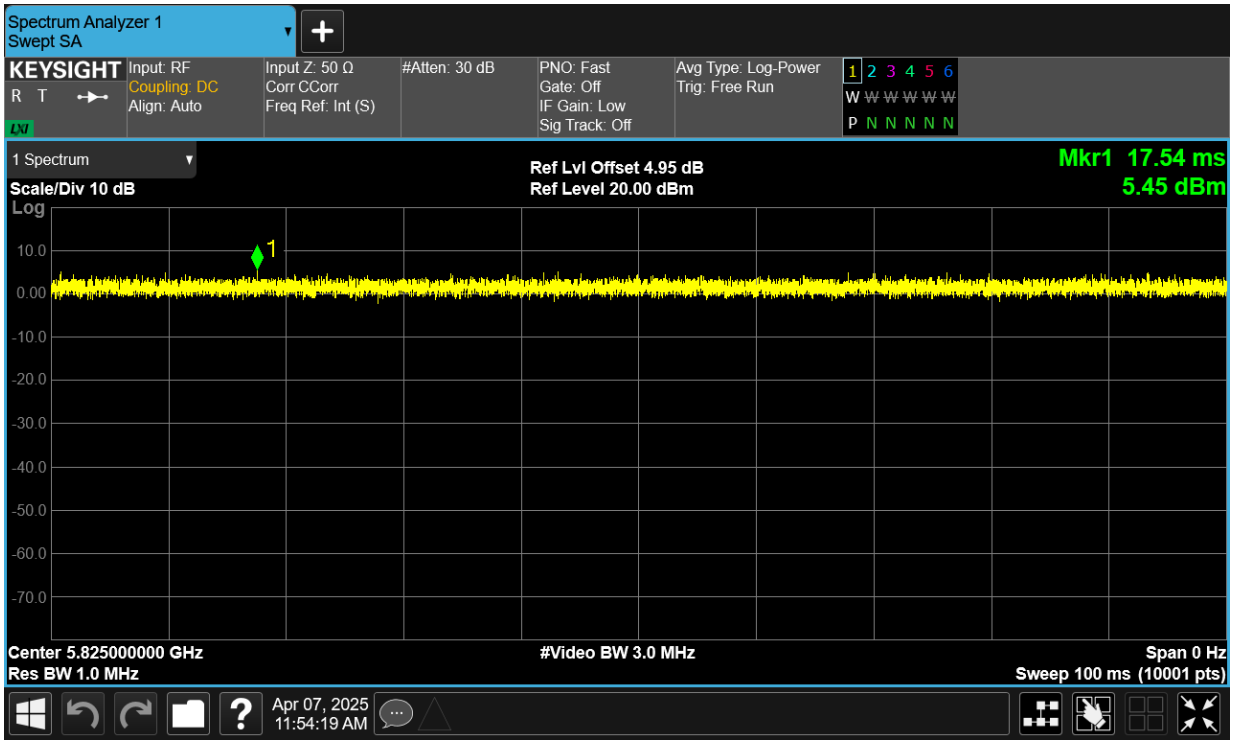
Duty Cycle NVNT ac20 5745MHz Sum



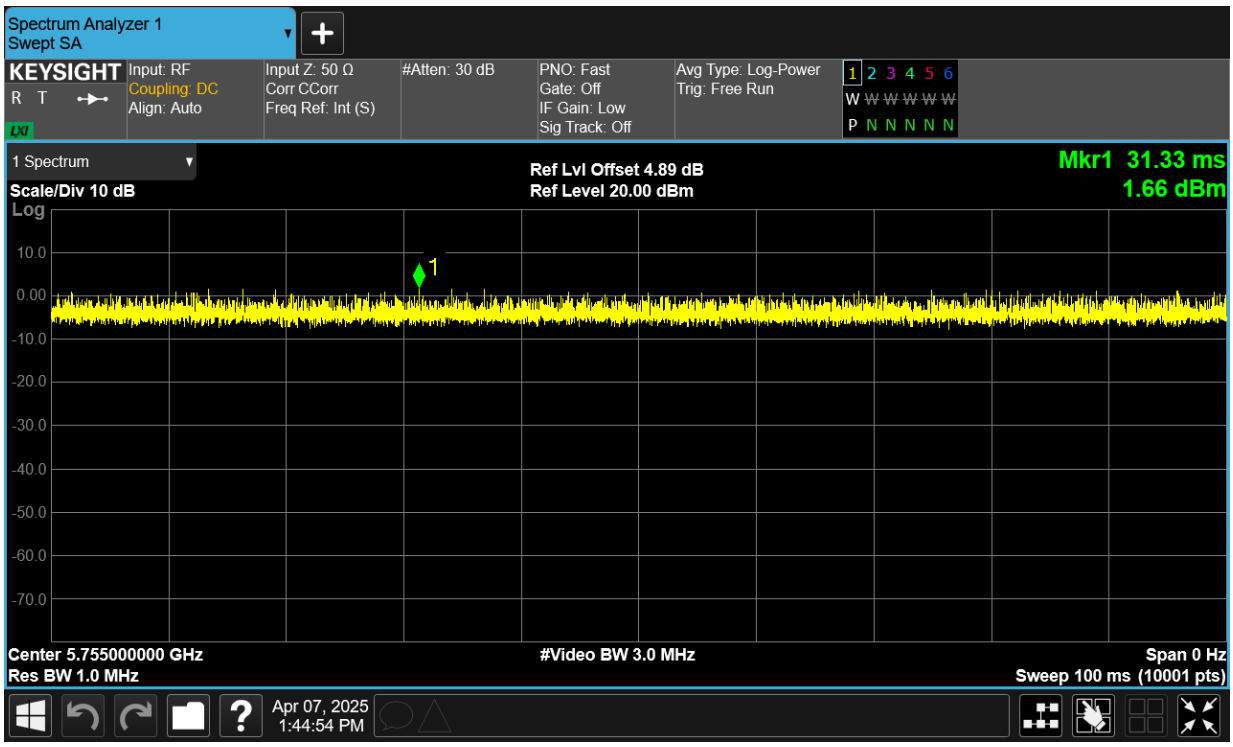
Duty Cycle NVNT ac20 5785MHz Sum



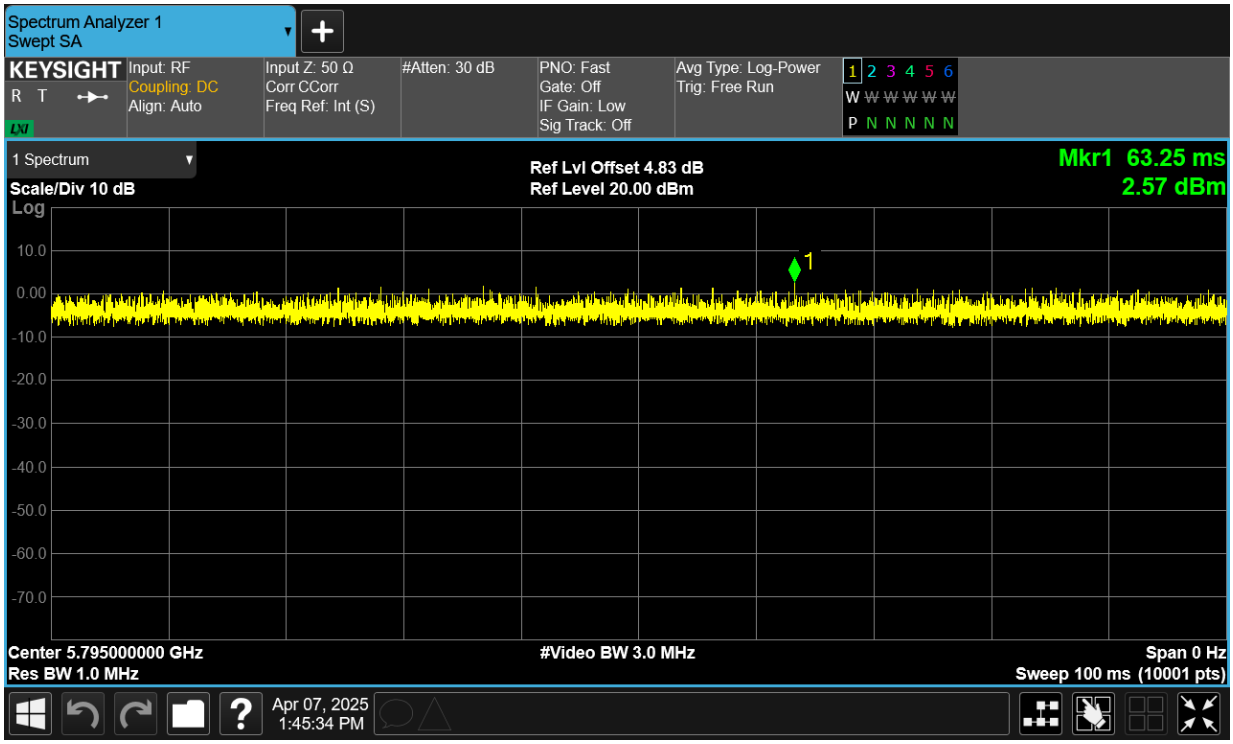
Duty Cycle NVNT ac20 5825MHz Sum



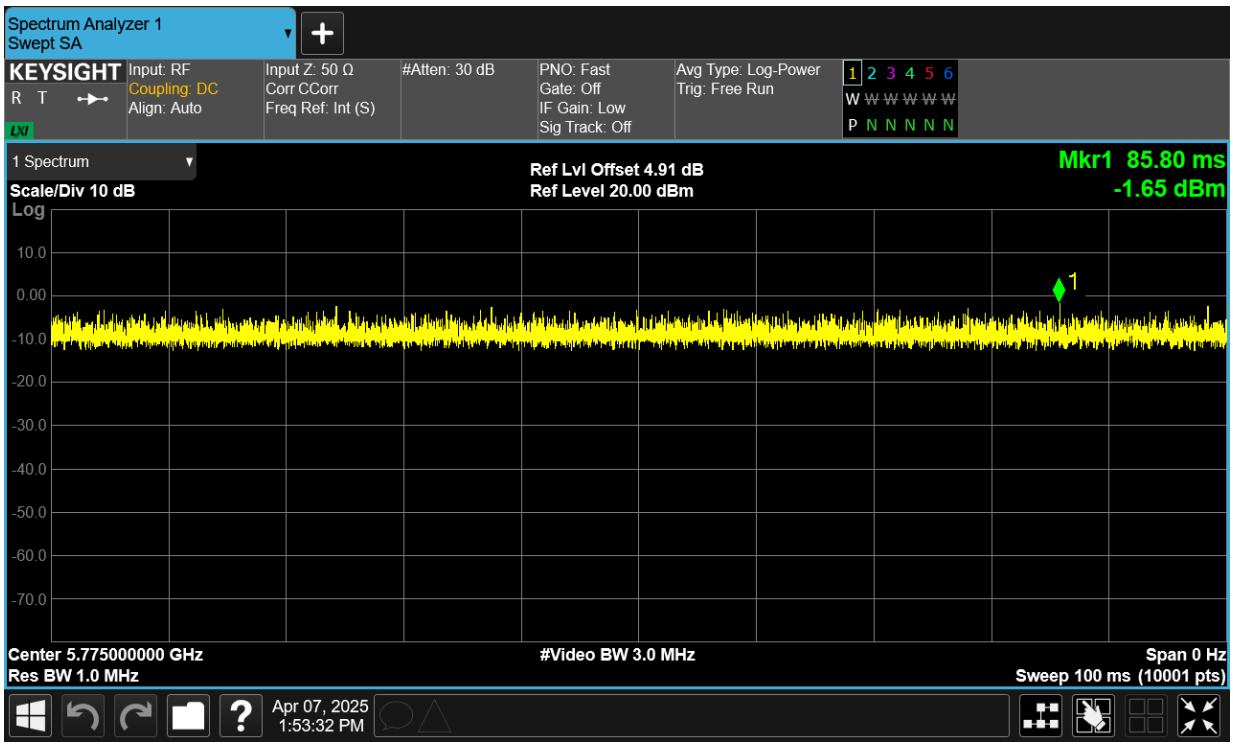
Duty Cycle NVNT ac40 5755MHz Sum



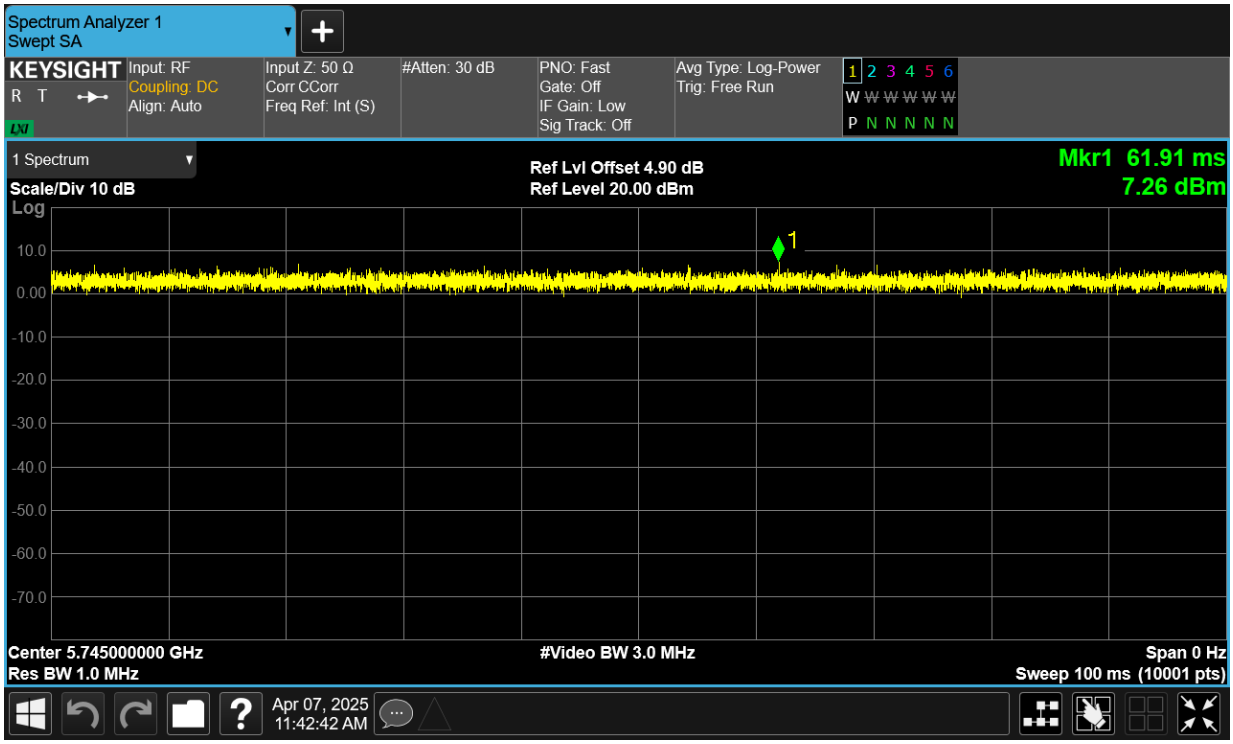
Duty Cycle NVNT ac40 5795MHz Sum



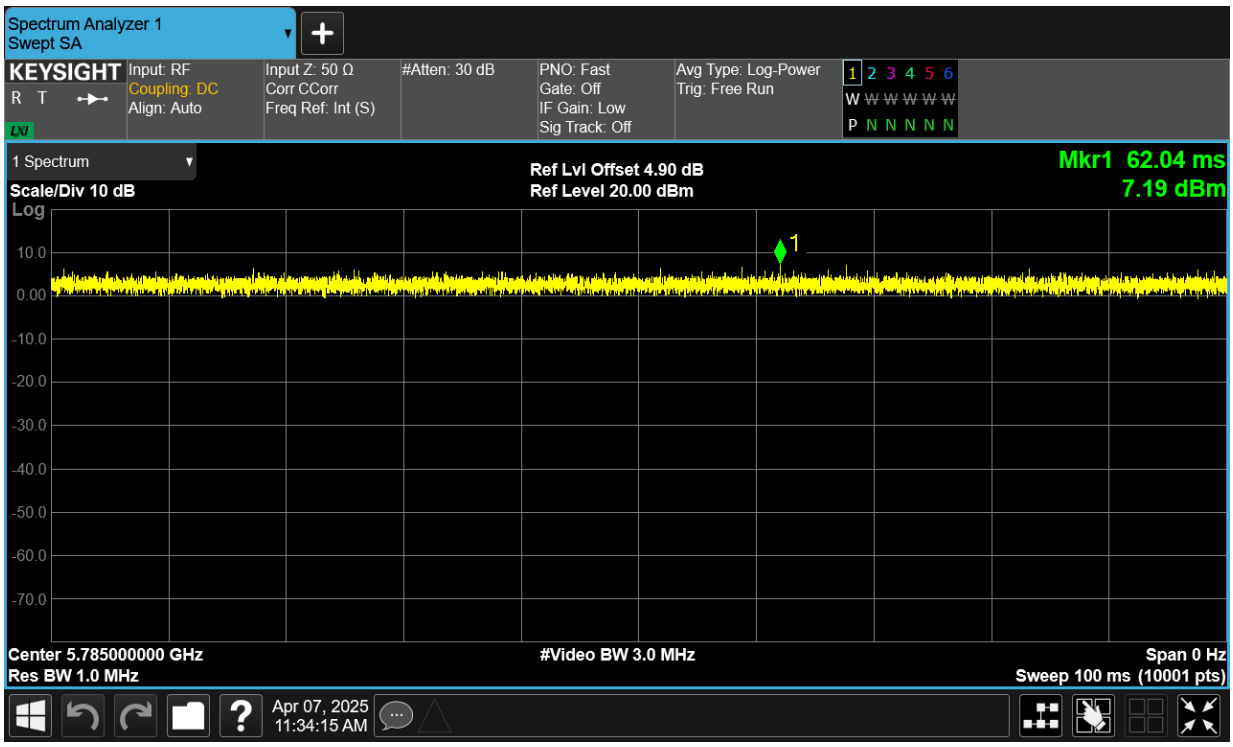
Duty Cycle NVNT ac80 5775MHz Sum



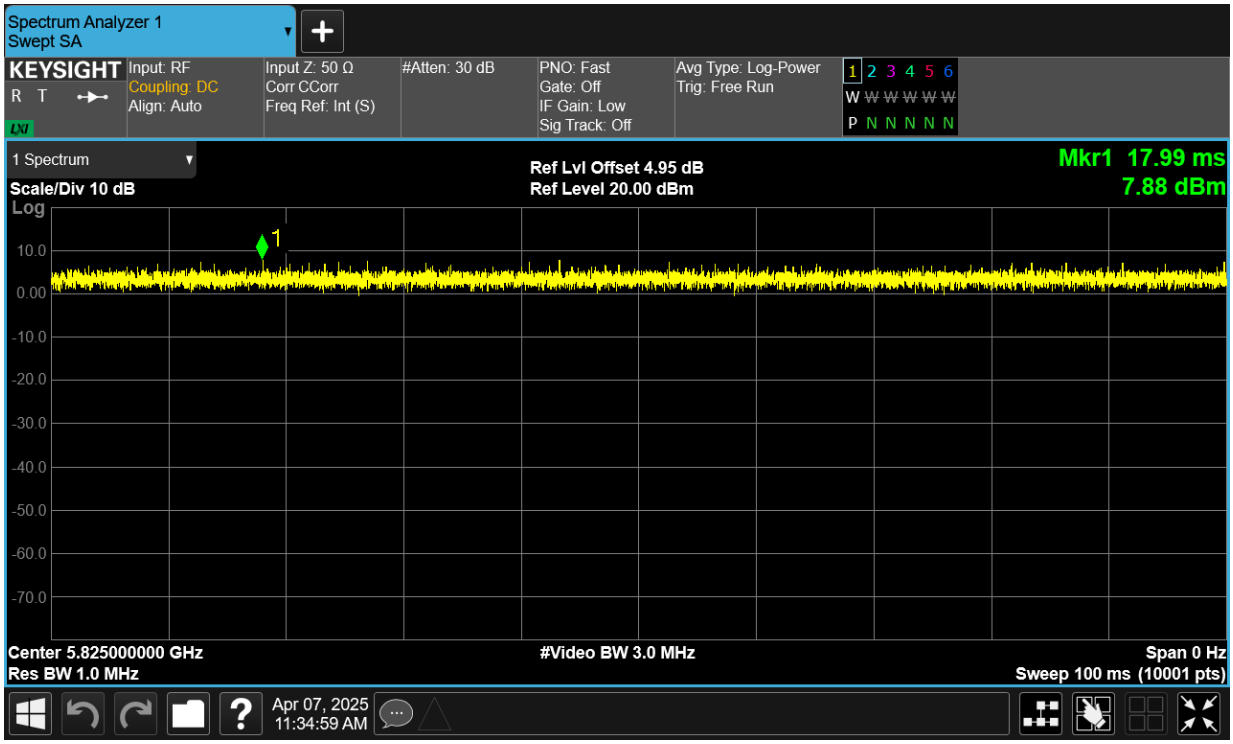
Duty Cycle NVNT n20 5745MHz Sum



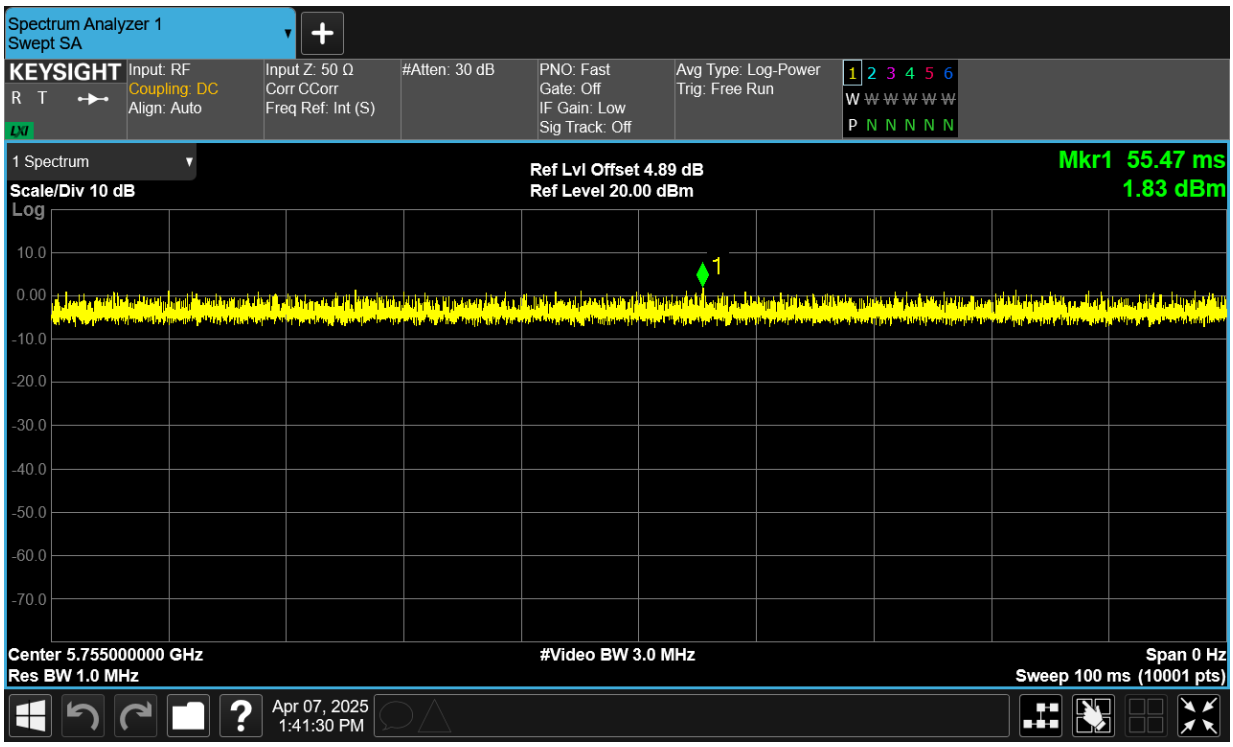
Duty Cycle NVNT n20 5785MHz Sum



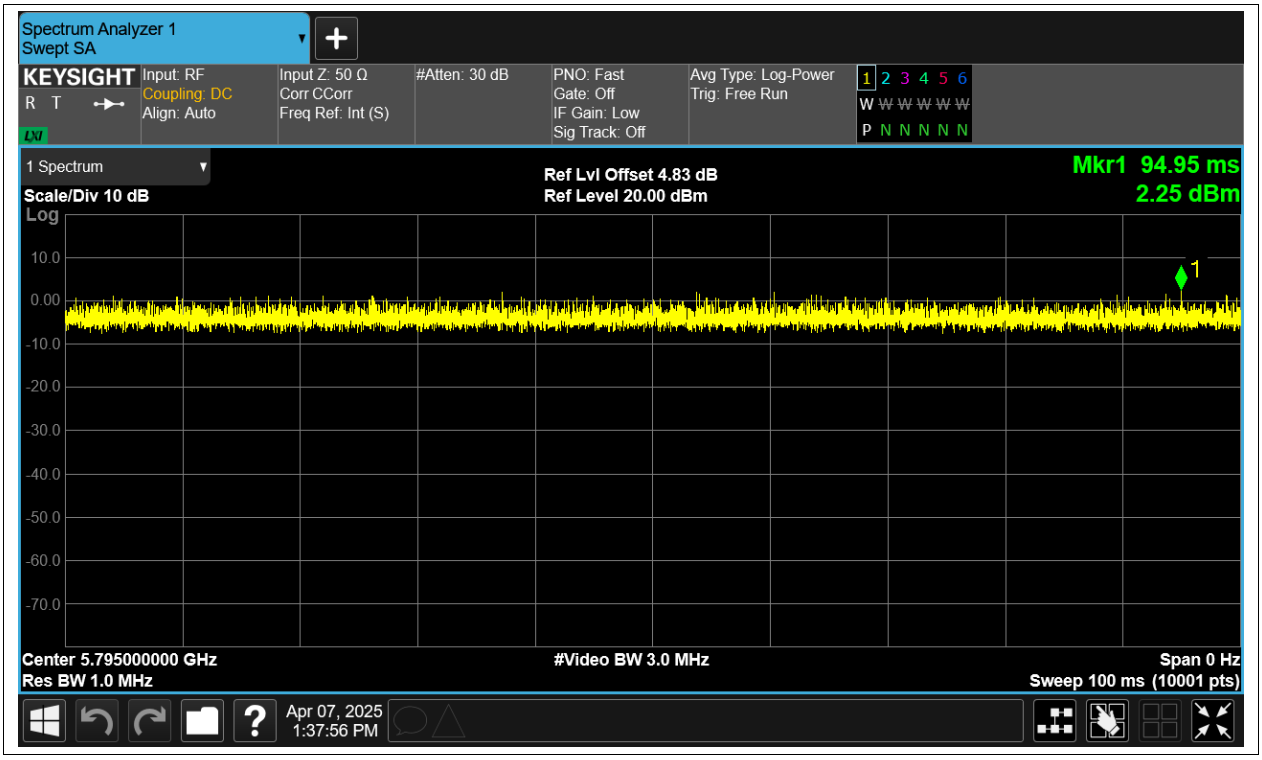
Duty Cycle NVNT n20 5825MHz Sum



Duty Cycle NVNT n40 5755MHz Sum



Duty Cycle NVNT n40 5795MHz Sum


Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corr CCorr
Freq Ref: Int (S)
#Atten: 30 dB
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 4.83 dB
Ref Level 20.00 dBm
Mkr1 94.95 ms
2.25 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 5.795000000 GHz
Res BW 1.0 MHz
#Video BW 3.0 MHz
Span 0 Hz
Sweep 100 ms (10001 pts)
Apr 07, 2025
1:37:56 PM

Maximum Conducted Output Power

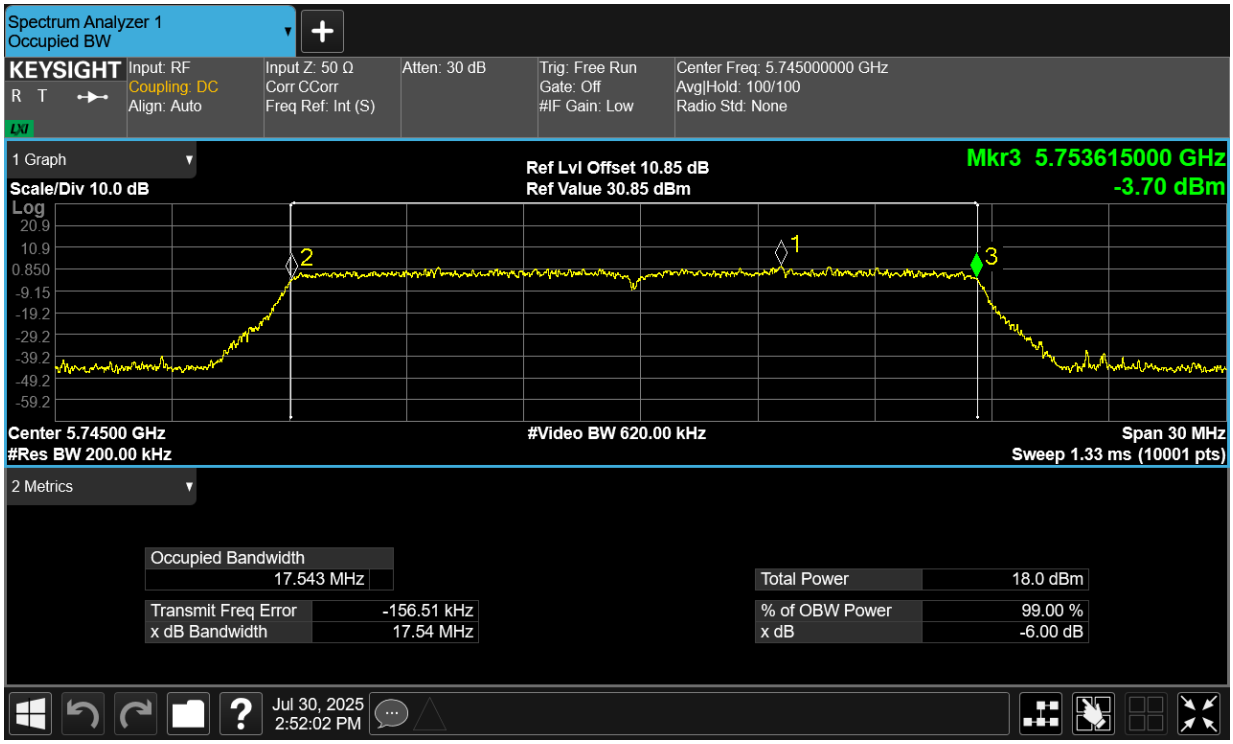
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant0	12.67	0	12.67	30	Pass
NVNT	a	5785	Ant0	12.97	0	12.97	30	Pass
NVNT	a	5825	Ant0	12.56	0	12.56	30	Pass
NVNT	a	5745	Ant8	11.99	0	11.99	30	Pass
NVNT	a	5785	Ant8	13.26	0	13.26	30	Pass
NVNT	a	5825	Ant8	11.98	0	11.98	30	Pass
NVNT	ac20	5745	Ant0	8.79	0	8.79	30	Pass
NVNT	ac20	5745	Ant8	4.64	0	4.64	30	Pass
NVNT	ac20	5745	Sum	10.203	0	10.203	30	Pass
NVNT	ac20	5785	Ant0	9.08	0	9.08	30	Pass
NVNT	ac20	5785	Ant8	5.87	0	5.87	30	Pass
NVNT	ac20	5785	Sum	10.775	0	10.775	30	Pass
NVNT	ac20	5825	Ant0	8.26	0	8.26	30	Pass
NVNT	ac20	5825	Ant8	4.37	0	4.37	30	Pass
NVNT	ac20	5825	Sum	9.747	0	9.747	30	Pass
NVNT	ac40	5755	Ant0	8.82	0	8.82	30	Pass
NVNT	ac40	5755	Ant8	4.61	0	4.61	30	Pass
NVNT	ac40	5755	Sum	10.217	0	10.217	30	Pass
NVNT	ac40	5795	Ant0	8.98	0	8.98	30	Pass
NVNT	ac40	5795	Ant8	6.01	0	6.01	30	Pass
NVNT	ac40	5795	Sum	10.754	0	10.754	30	Pass
NVNT	ac80	5775	Ant0	8.92	0	8.92	30	Pass
NVNT	ac80	5775	Ant8	4.98	0	4.98	30	Pass
NVNT	ac80	5775	Sum	10.393	0	10.393	30	Pass
NVNT	n20	5745	Ant0	9.71	0	9.71	30	Pass
NVNT	n20	5745	Ant8	5.43	0	5.43	30	Pass
NVNT	n20	5745	Sum	11.087	0	11.087	30	Pass
NVNT	n20	5785	Ant0	9.87	0	9.87	30	Pass
NVNT	n20	5785	Ant8	6.6	0	6.6	30	Pass
NVNT	n20	5785	Sum	11.546	0	11.546	30	Pass
NVNT	n20	5825	Ant0	9.93	0	9.93	30	Pass
NVNT	n20	5825	Ant8	5.96	0	5.96	30	Pass
NVNT	n20	5825	Sum	11.394	0	11.394	30	Pass
NVNT	n40	5755	Ant0	9.25	0	9.25	30	Pass
NVNT	n40	5755	Ant8	5.18	0	5.18	30	Pass
NVNT	n40	5755	Sum	10.686	0	10.686	30	Pass
NVNT	n40	5795	Ant0	8.99	0	8.99	30	Pass
NVNT	n40	5795	Ant8	6.04	0	6.04	30	Pass
NVNT	n40	5795	Sum	10.771	0	10.771	30	Pass

-6dB Bandwidth

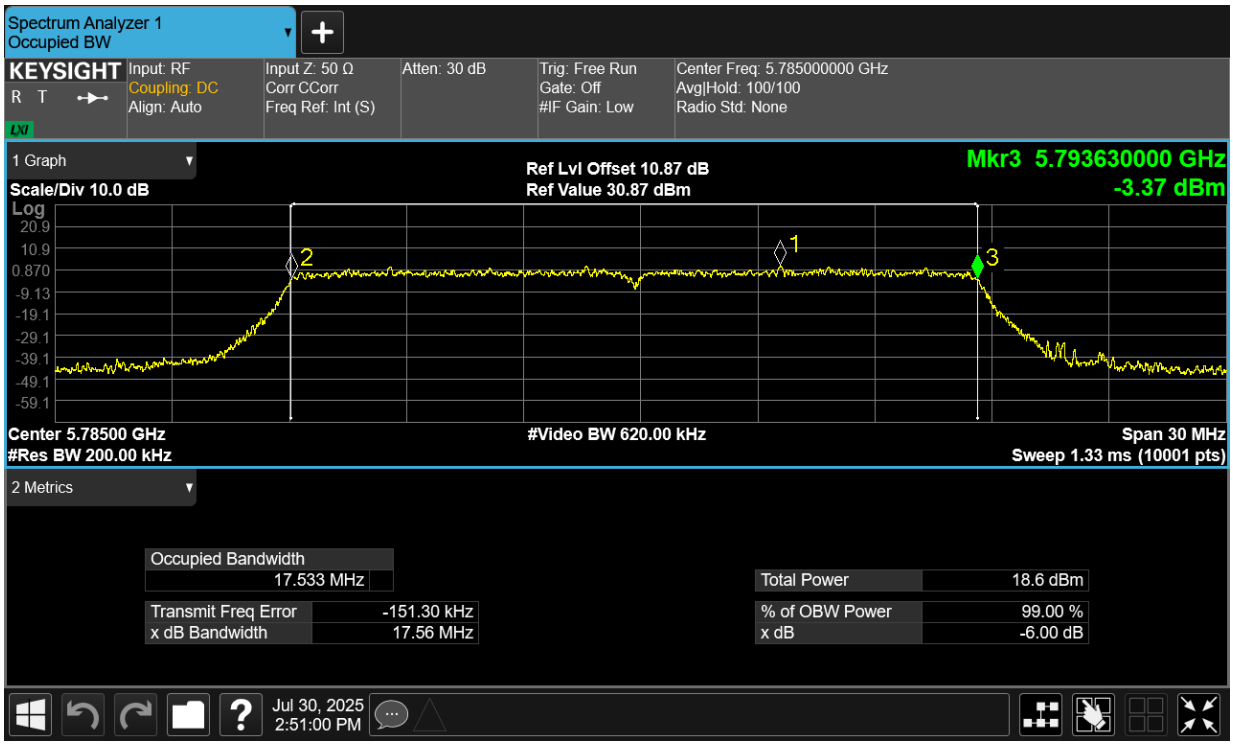
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	limit(MHz)	Verdic
NVNT	a	5745	Ant0	17.543	0.5	Pass
NVNT	a	5785	Ant0	17.562	0.5	Pass
NVNT	a	5825	Ant0	17.575	0.5	Pass
NVNT	a	5745	Ant8	17.553	0.5	Pass
NVNT	a	5785	Ant8	17.576	0.5	Pass
NVNT	a	5825	Ant8	17.566	0.5	Pass
NVNT	ac20	5745	Ant0	17.593	0.5	Pass
NVNT	ac20	5745	Ant8	17.469	0.5	Pass
NVNT	ac20	5785	Ant0	17.586	0.5	Pass
NVNT	ac20	5785	Ant8	17.485	0.5	Pass
NVNT	ac20	5825	Ant0	17.544	0.5	Pass
NVNT	ac20	5825	Ant8	17.6	0.5	Pass
NVNT	ac40	5755	Ant0	35.984	0.5	Pass
NVNT	ac40	5755	Ant8	36.17	0.5	Pass
NVNT	ac40	5795	Ant0	36.032	0.5	Pass
NVNT	ac40	5795	Ant8	35.995	0.5	Pass
NVNT	ac80	5775	Ant0	74.126	0.5	Pass
NVNT	ac80	5775	Ant8	74.547	0.5	Pass
NVNT	n20	5745	Ant0	17.584	0.5	Pass
NVNT	n20	5745	Ant8	17.524	0.5	Pass
NVNT	n20	5785	Ant0	17.591	0.5	Pass
NVNT	n20	5785	Ant8	17.588	0.5	Pass
NVNT	n20	5825	Ant0	17.552	0.5	Pass
NVNT	n20	5825	Ant8	17.541	0.5	Pass
NVNT	n40	5755	Ant0	36.125	0.5	Pass
NVNT	n40	5755	Ant8	36.198	0.5	Pass
NVNT	n40	5795	Ant0	36.098	0.5	Pass
NVNT	n40	5795	Ant8	36.244	0.5	Pass

Test Graphs

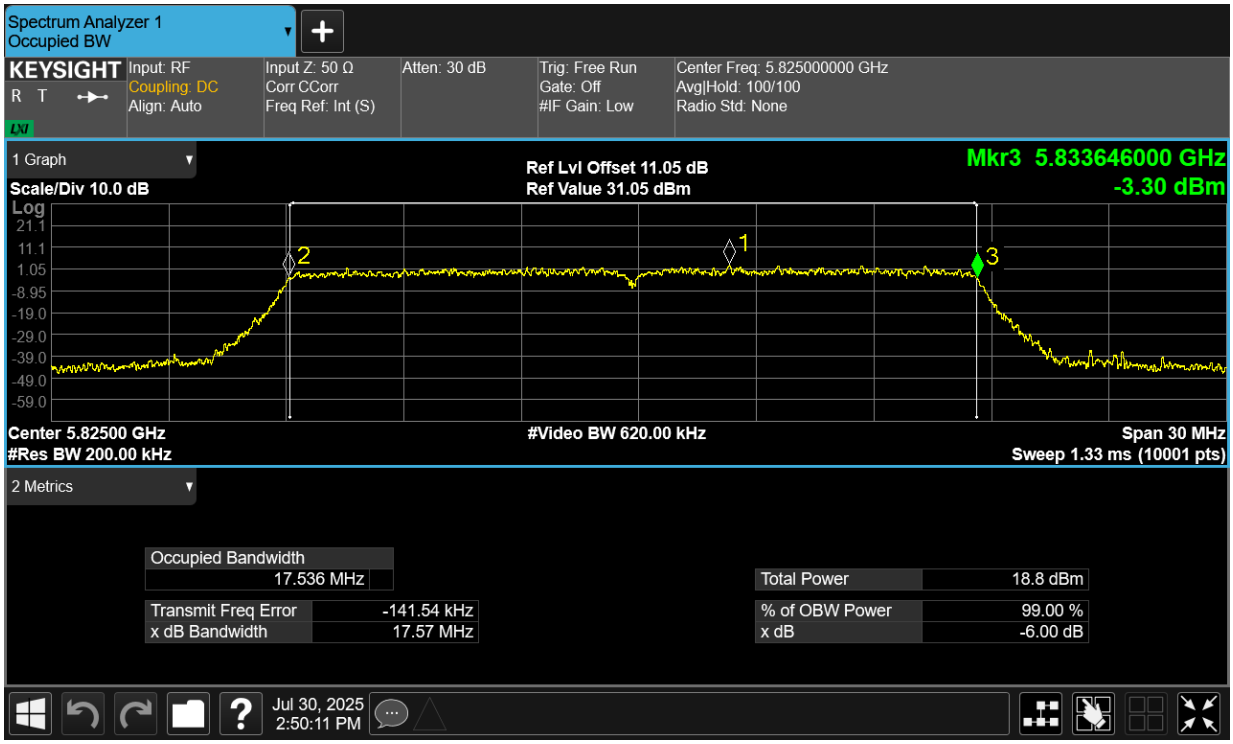
-6dB Bandwidth NVNT a 5745MHz Ant0



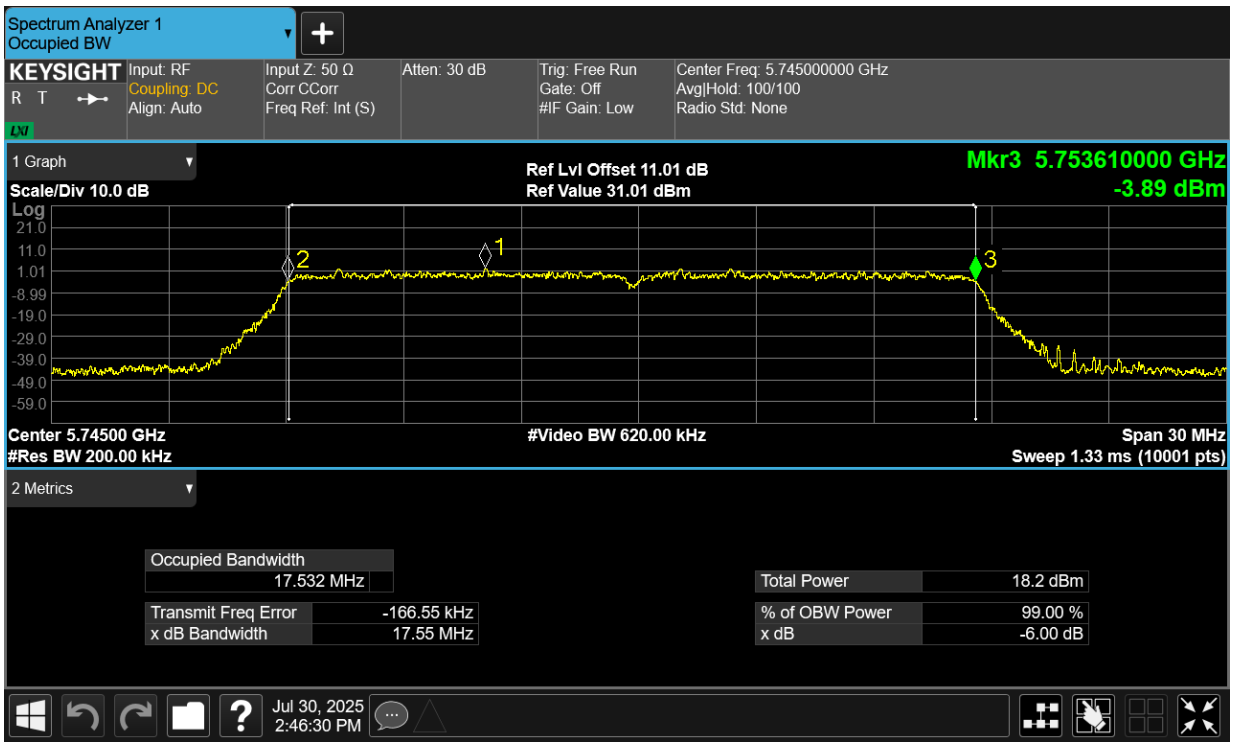
-6dB Bandwidth NVNT a 5785MHz Ant0



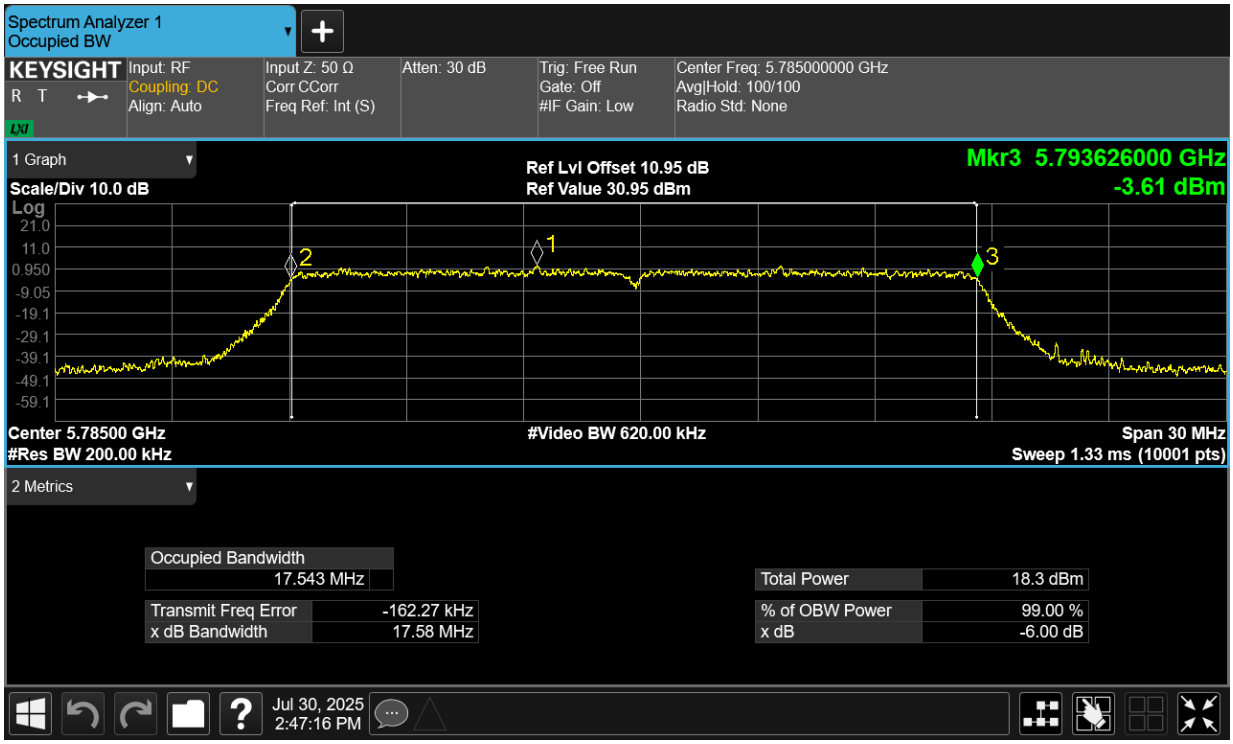
-6dB Bandwidth NVNT a 5825MHz Ant0



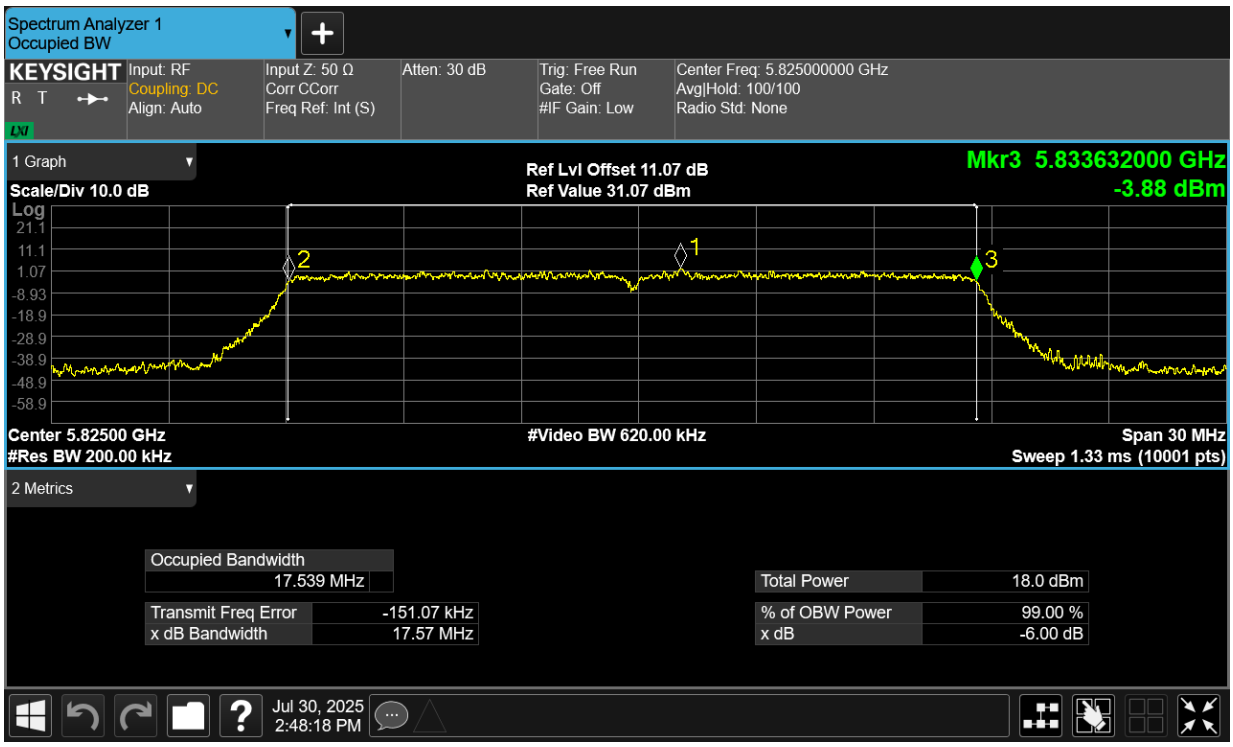
-6dB Bandwidth NVNT a 5745MHz Ant8



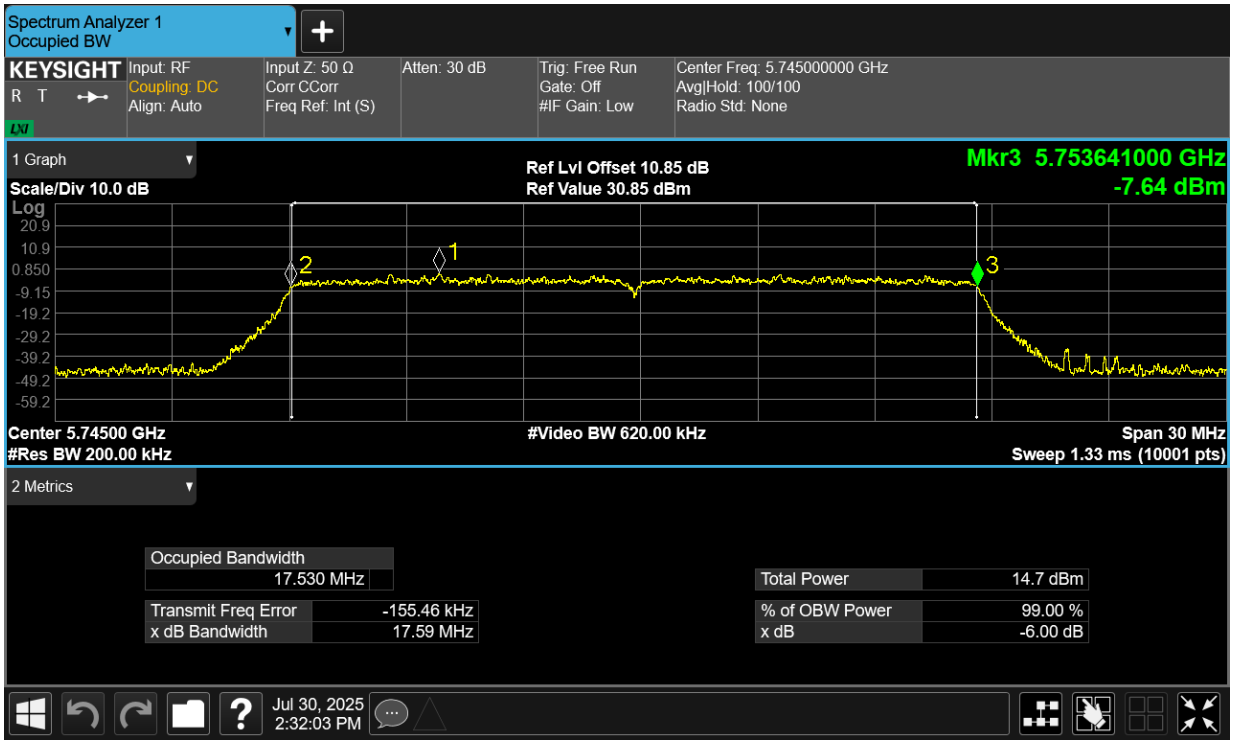
-6dB Bandwidth NVNT a 5785MHz Ant8



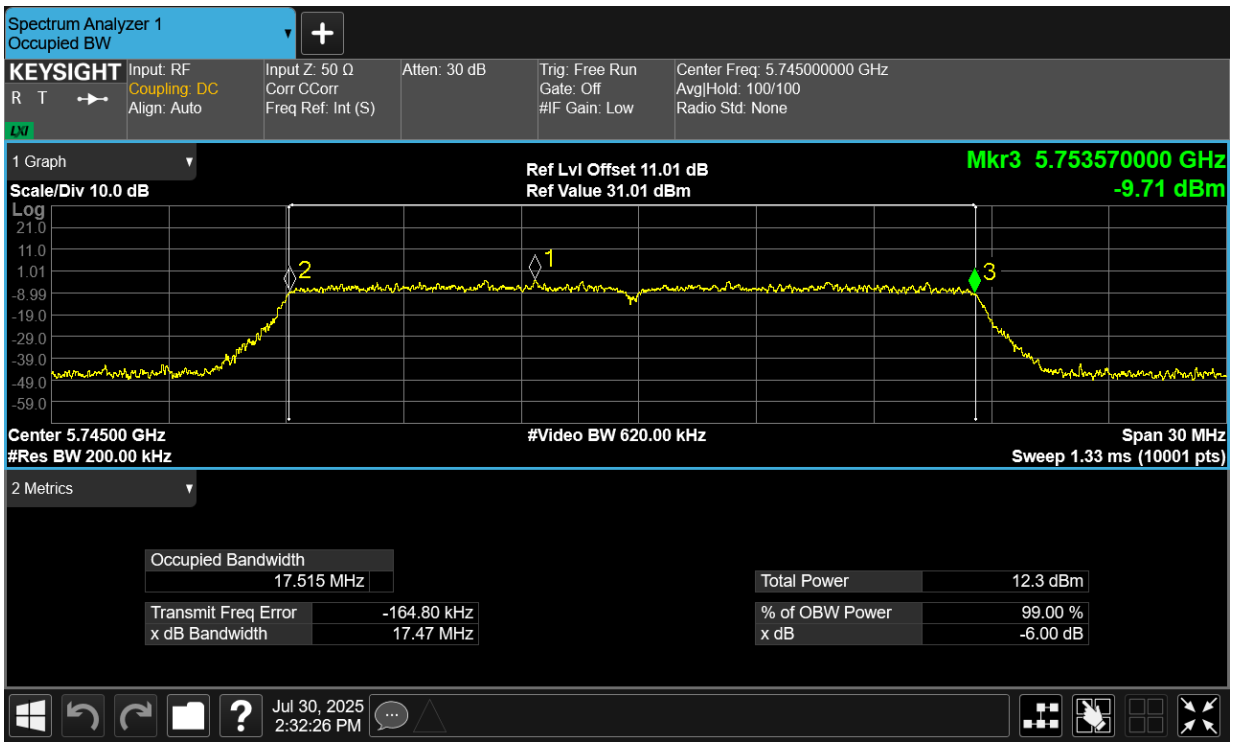
-6dB Bandwidth NVNT a 5825MHz Ant8



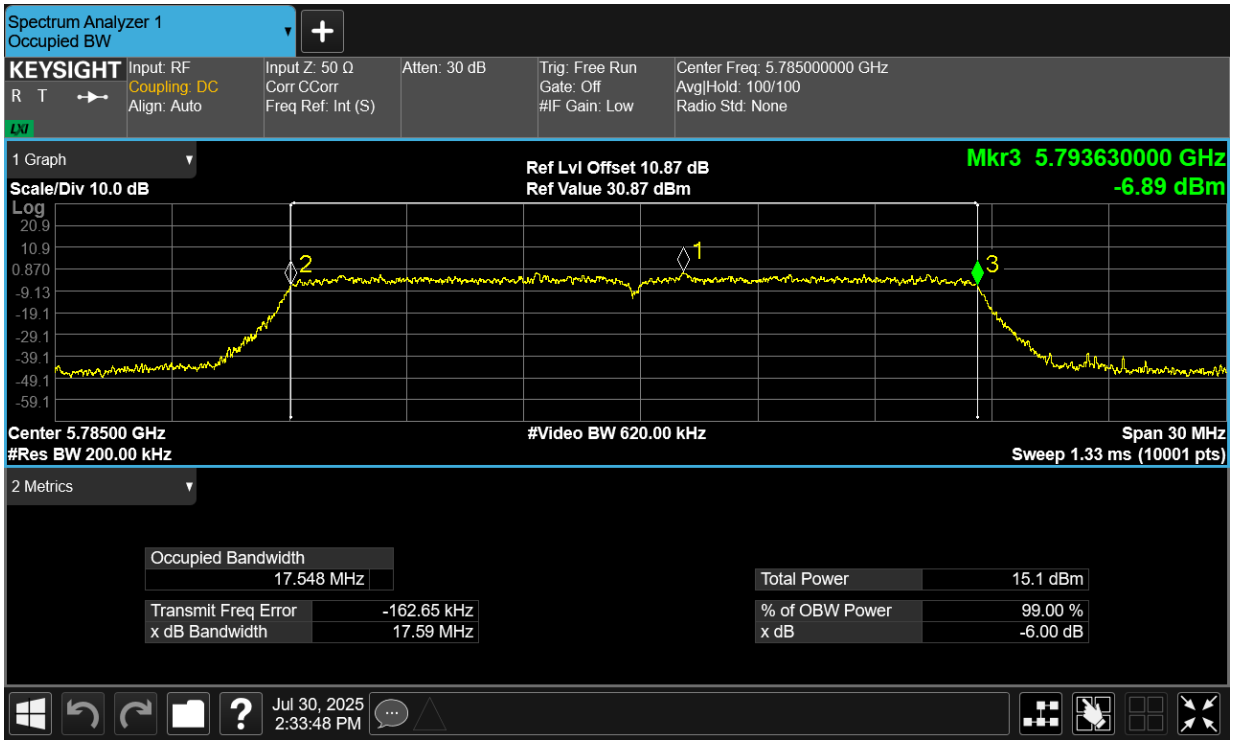
-6dB Bandwidth NVNT ac20 5745MHz Ant0



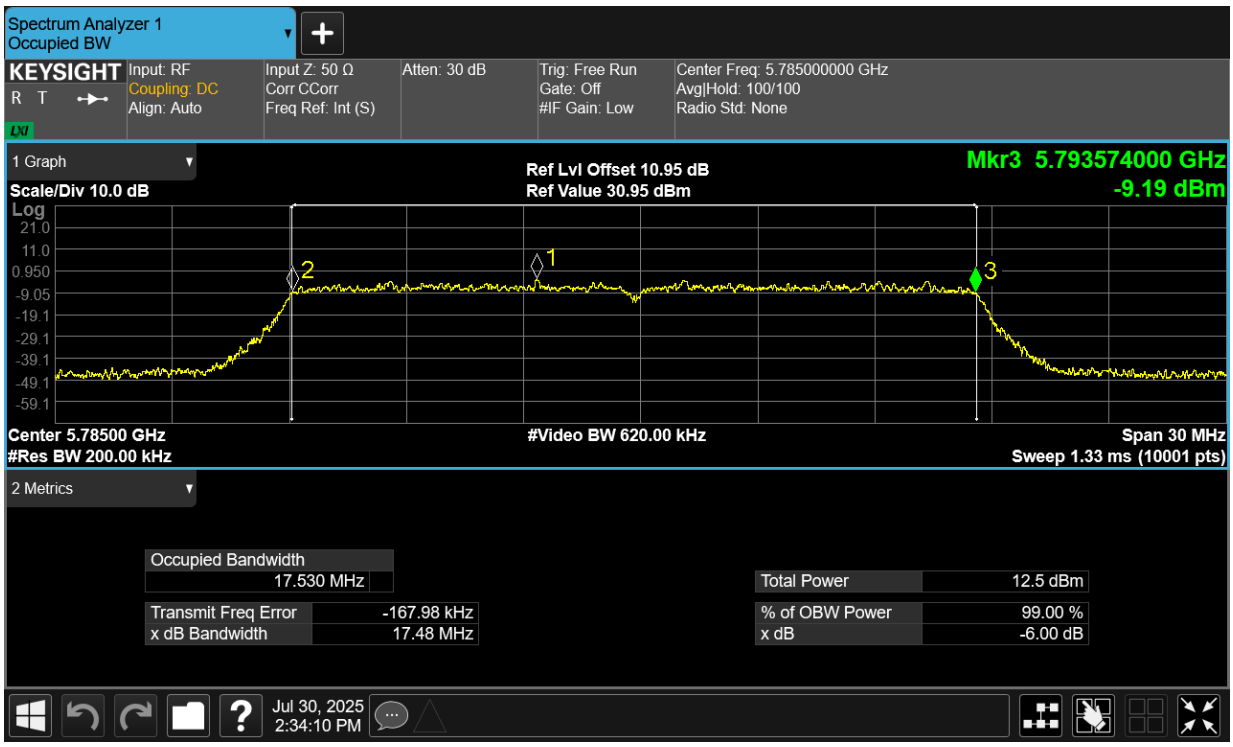
-6dB Bandwidth NVNT ac20 5745MHz Ant8



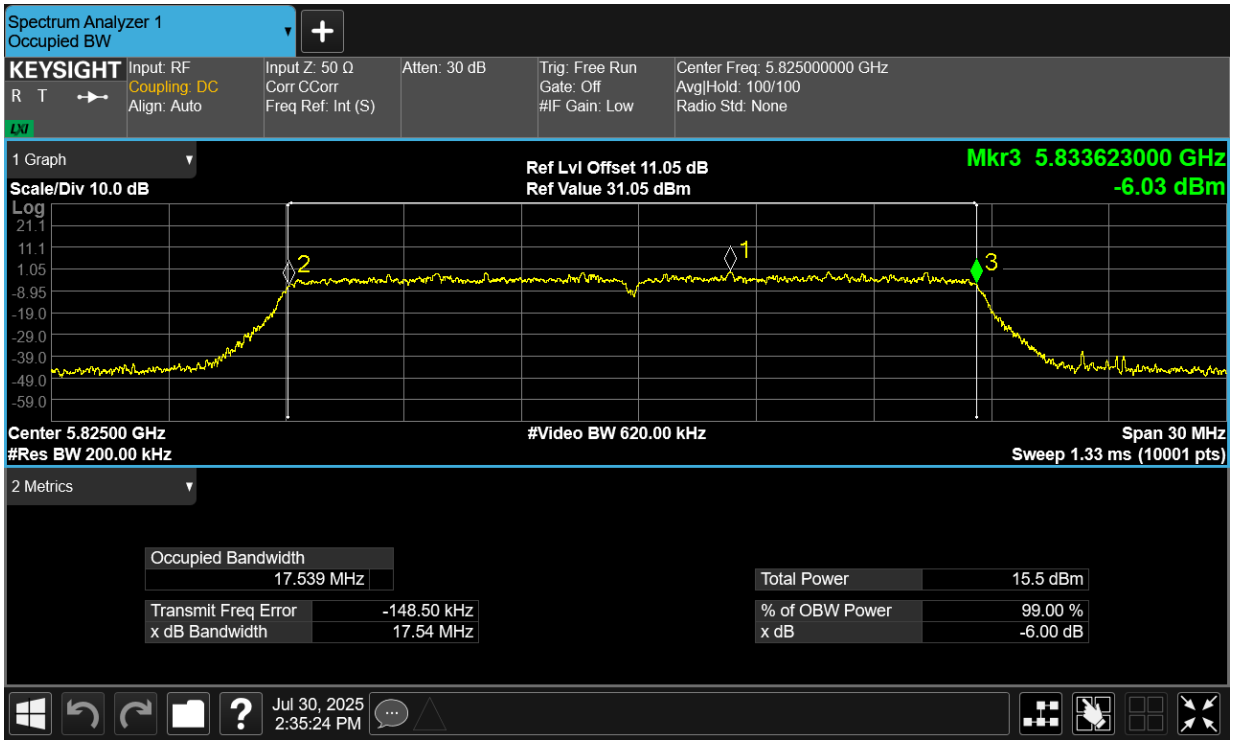
-6dB Bandwidth NVNT ac20 5785MHz Ant0



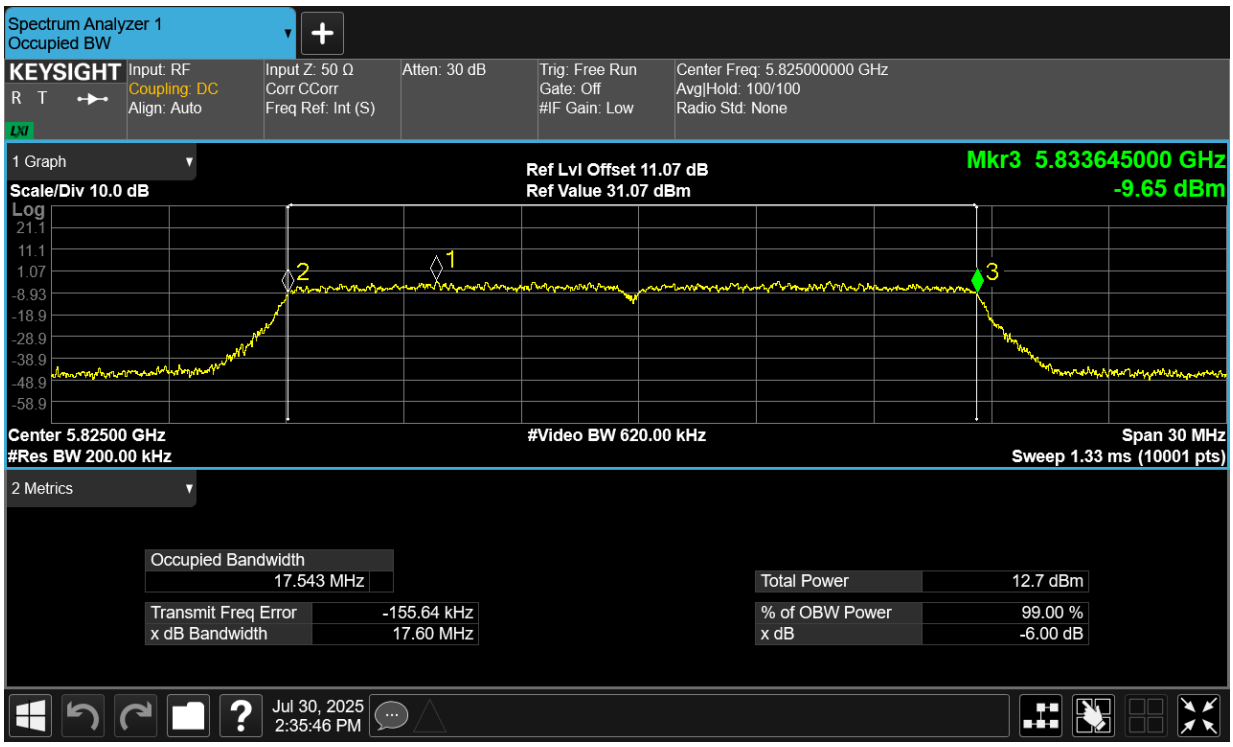
-6dB Bandwidth NVNT ac20 5785MHz Ant8



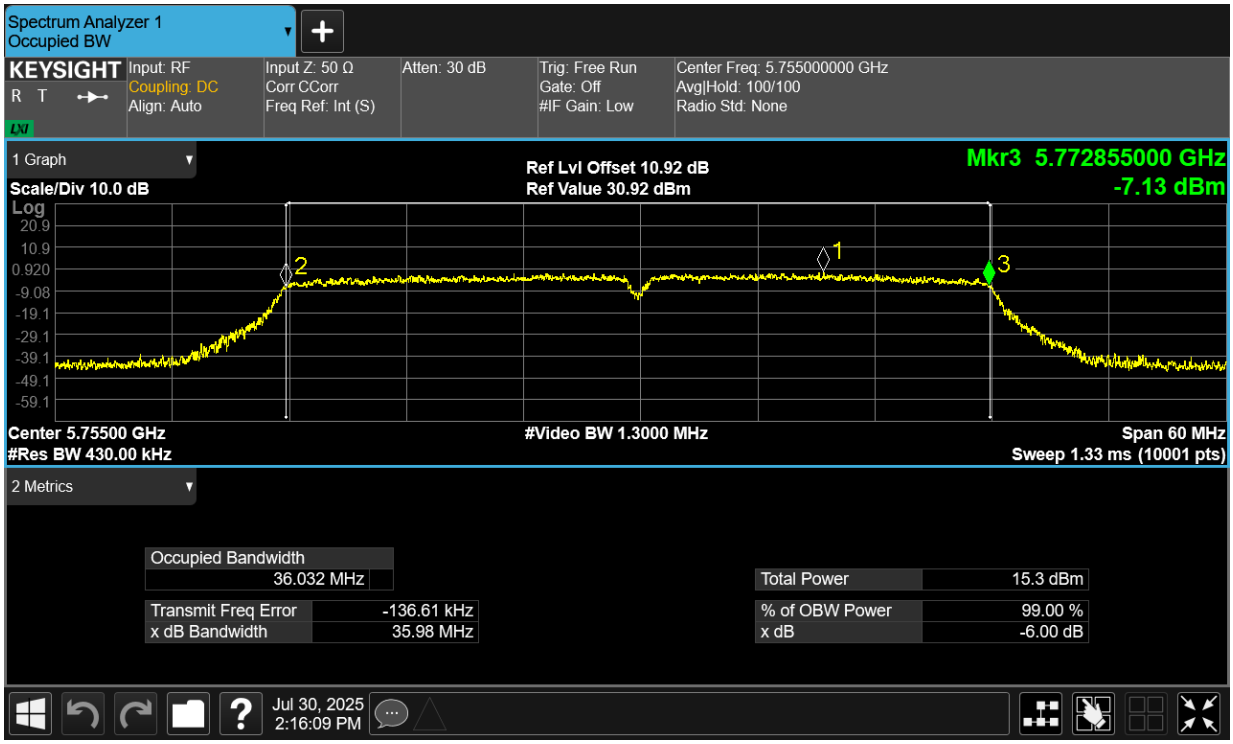
-6dB Bandwidth NVNT ac20 5825MHz Ant0



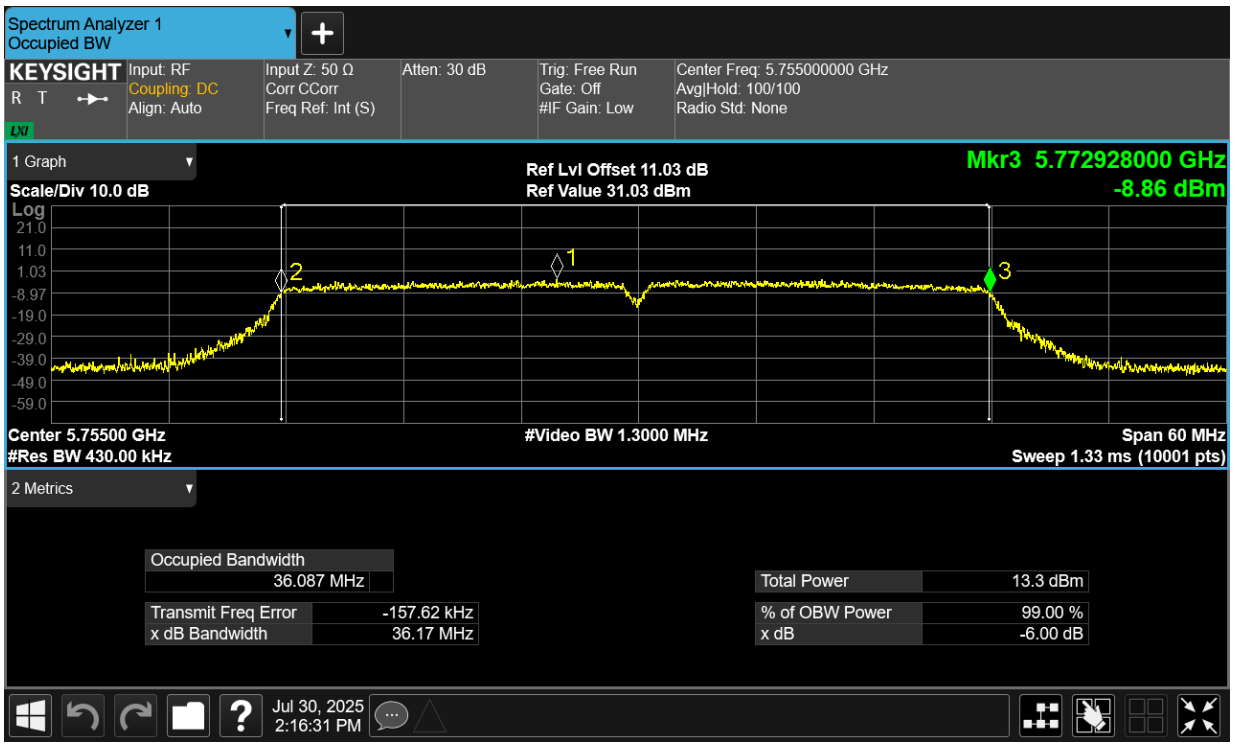
-6dB Bandwidth NVNT ac20 5825MHz Ant8



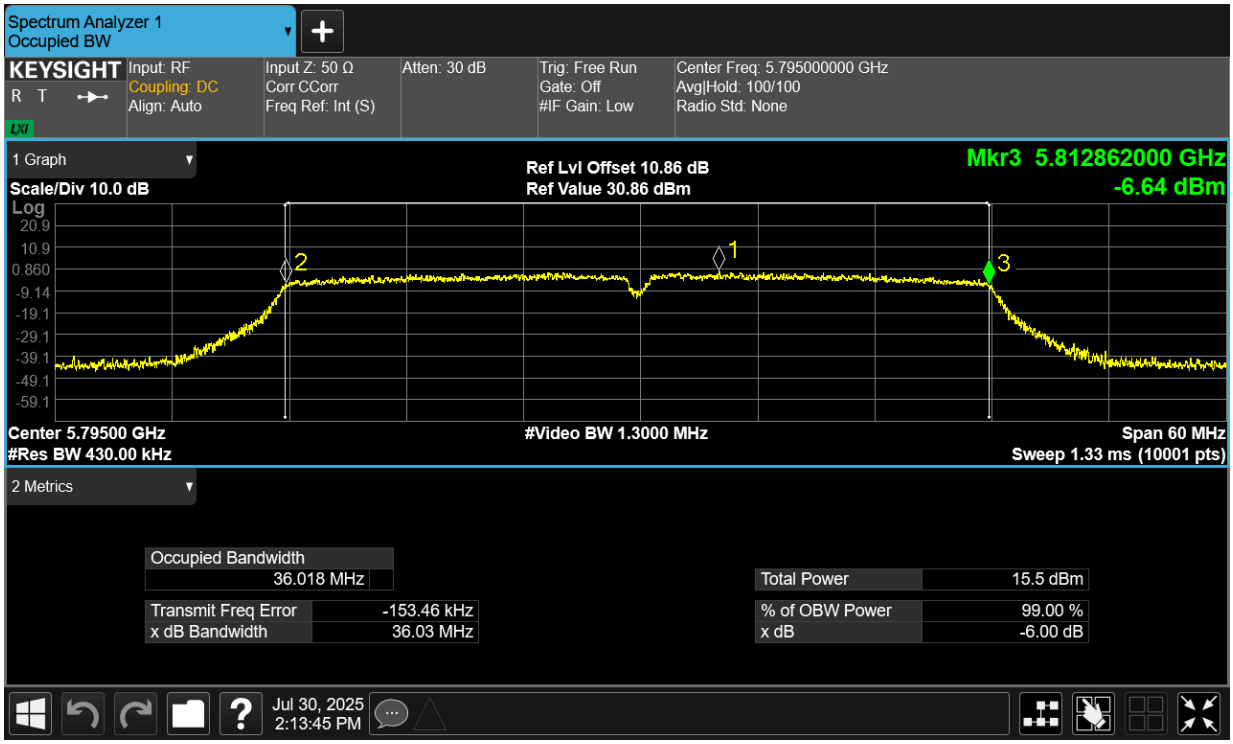
-6dB Bandwidth NVNT ac40 5755MHz Ant0



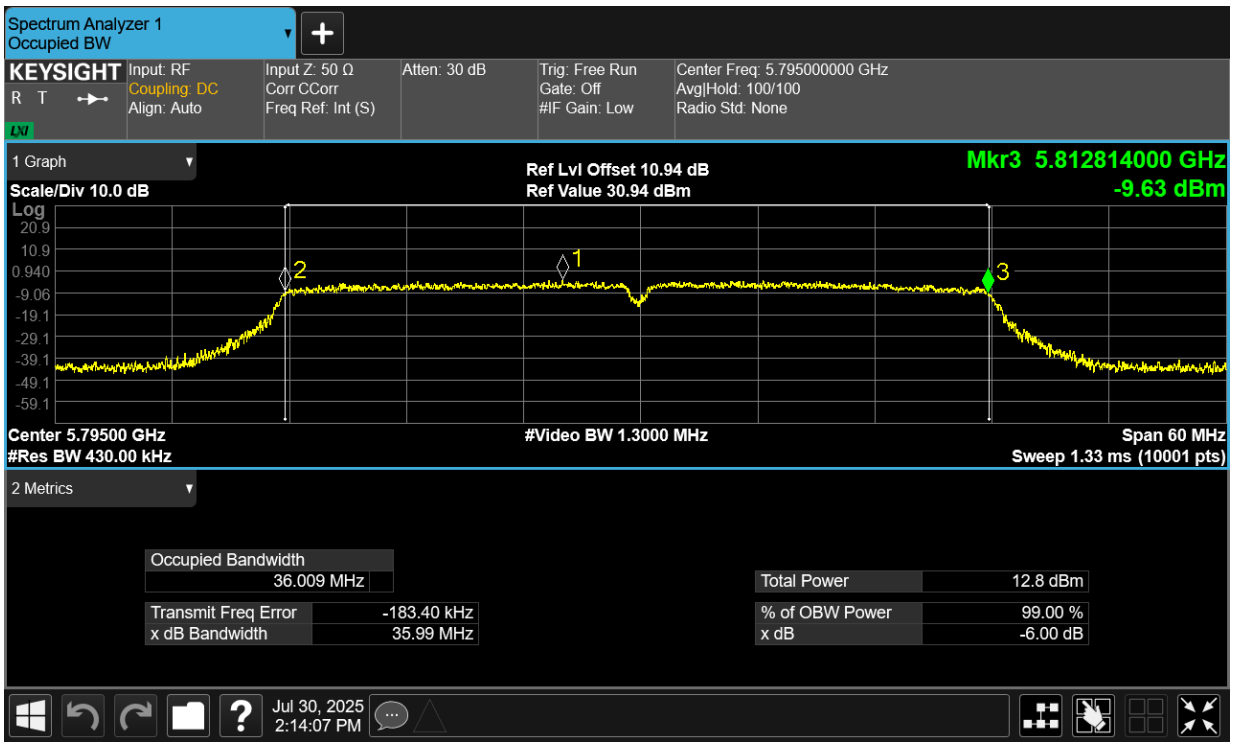
-6dB Bandwidth NVNT ac40 5755MHz Ant8



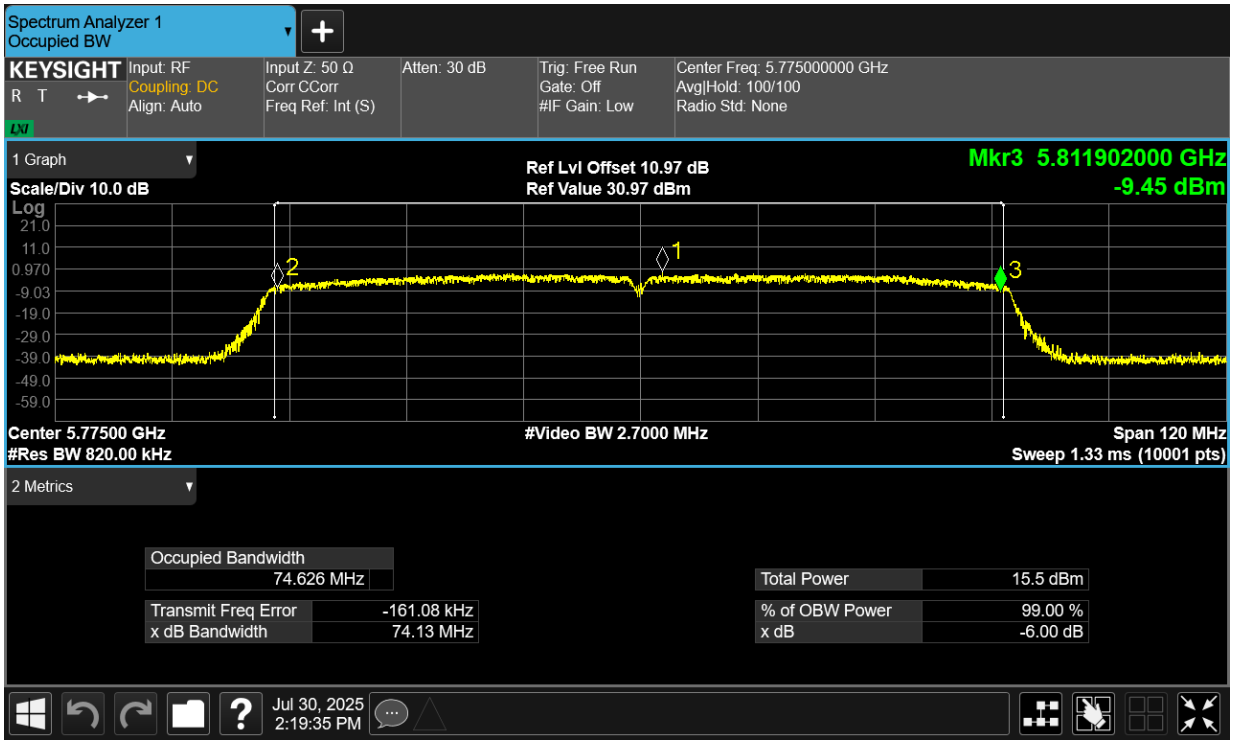
-6dB Bandwidth NVNT ac40 5795MHz Ant0



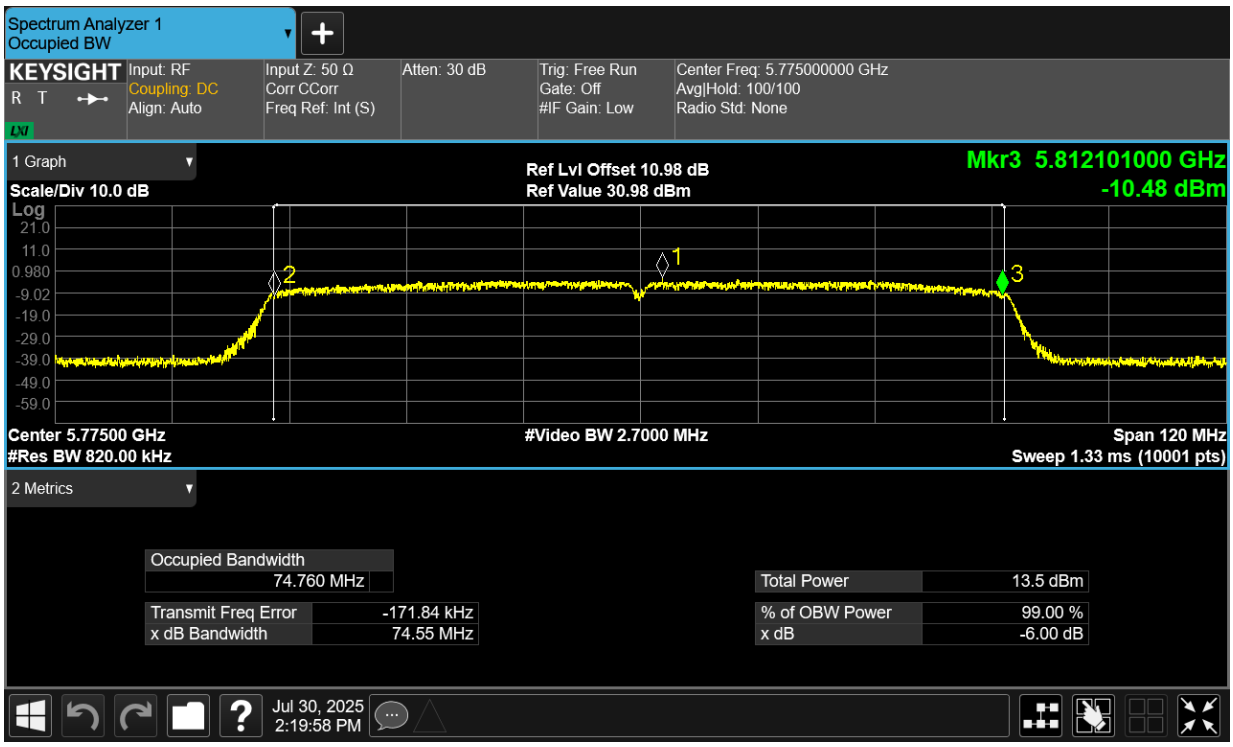
-6dB Bandwidth NVNT ac40 5795MHz Ant8



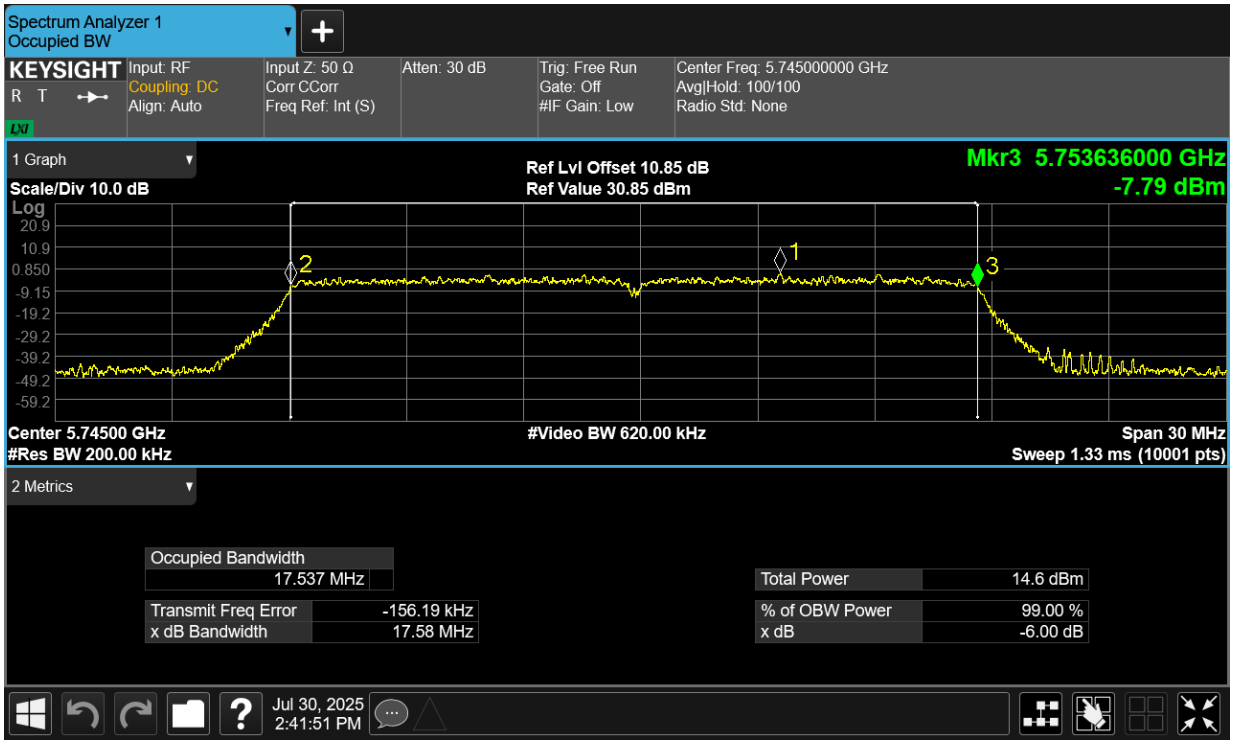
-6dB Bandwidth NVNT ac80 5775MHz Ant0



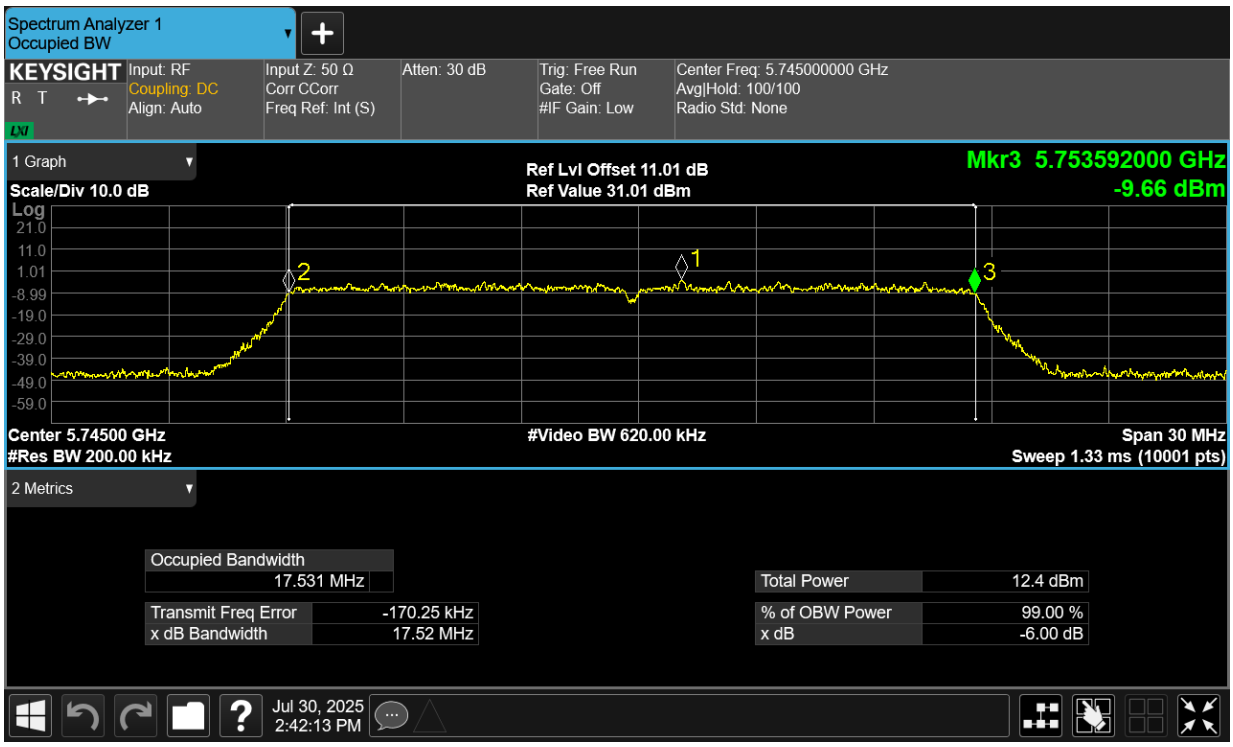
-6dB Bandwidth NVNT ac80 5775MHz Ant8



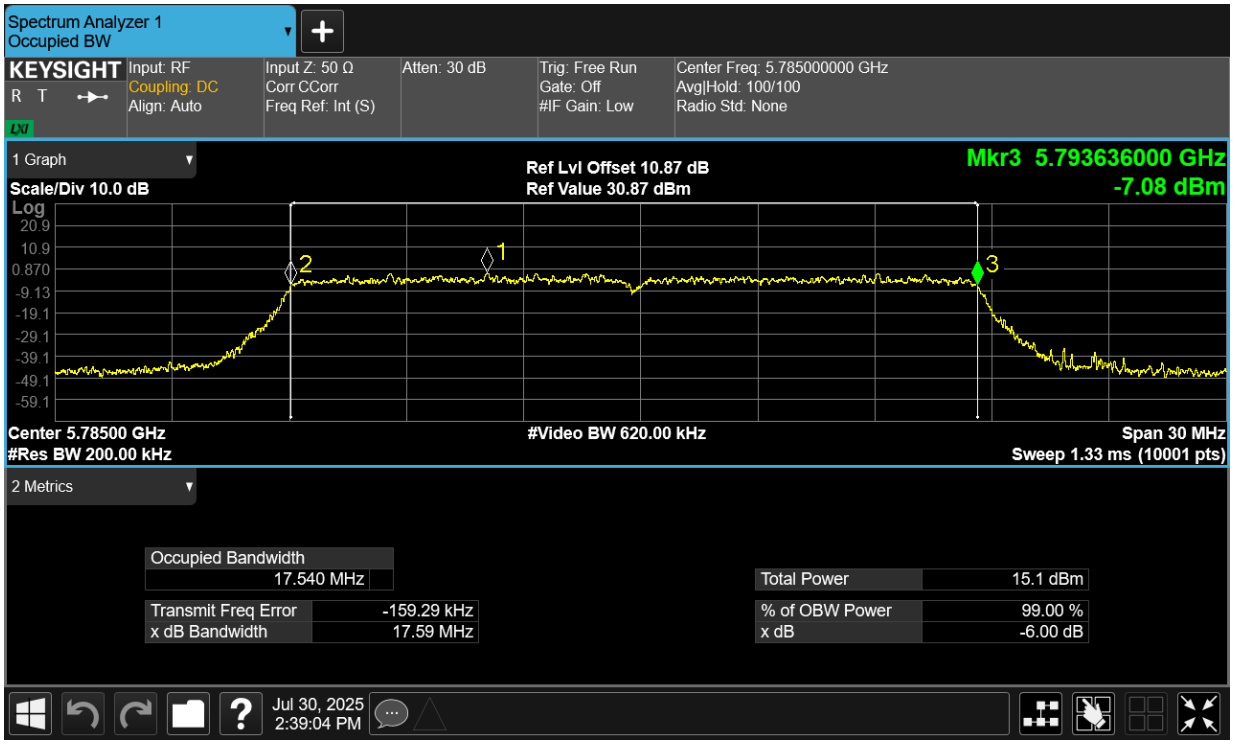
-6dB Bandwidth NVNT n20 5745MHz Ant0



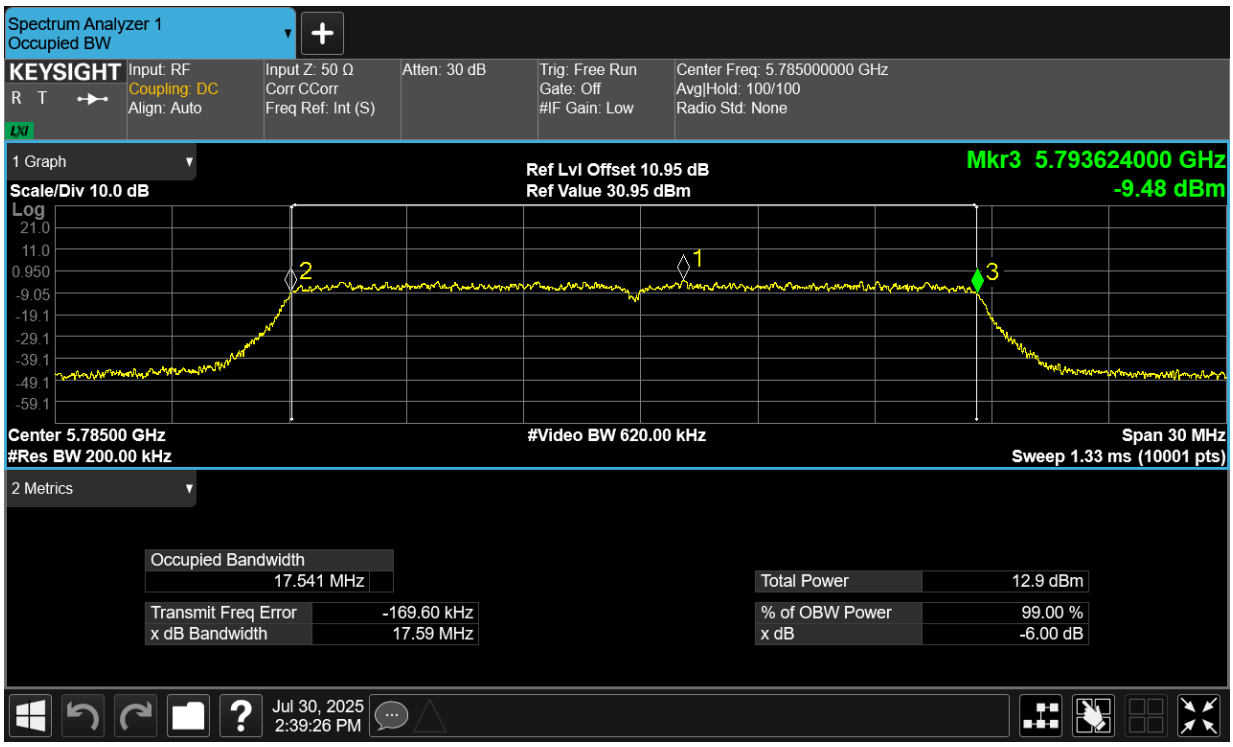
-6dB Bandwidth NVNT n20 5745MHz Ant8



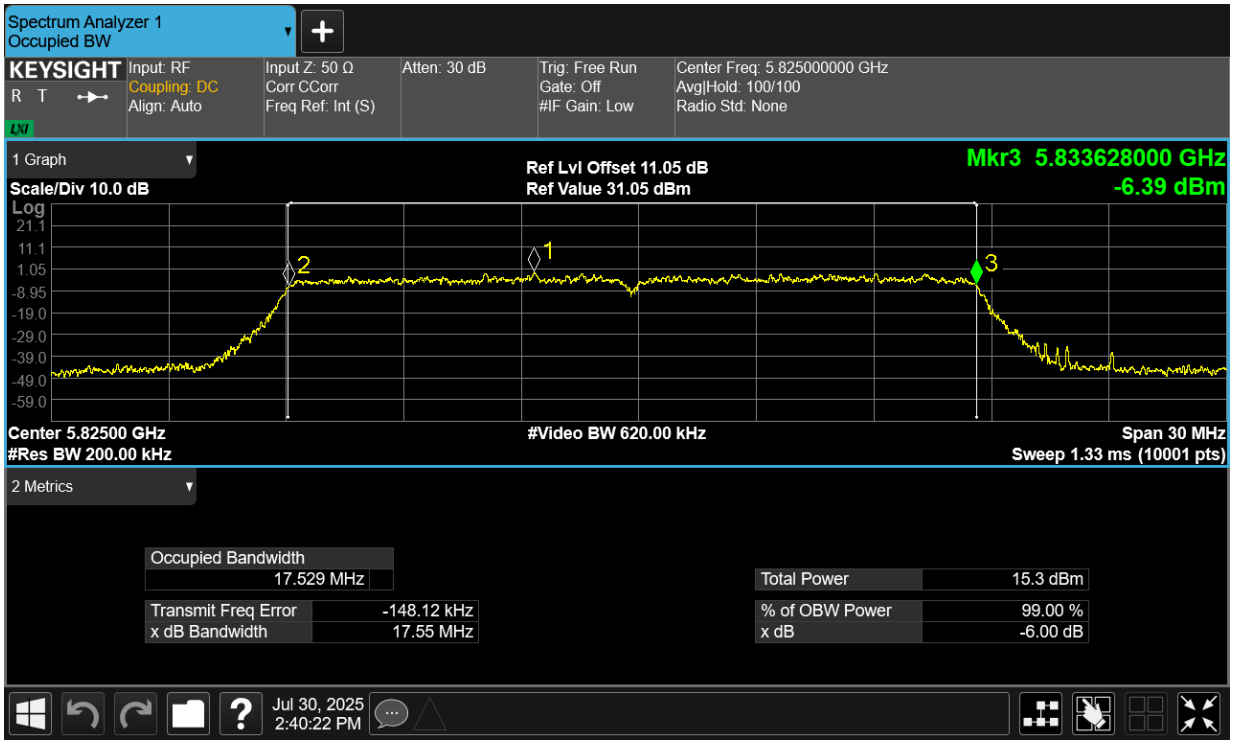
-6dB Bandwidth NVNT n20 5785MHz Ant0



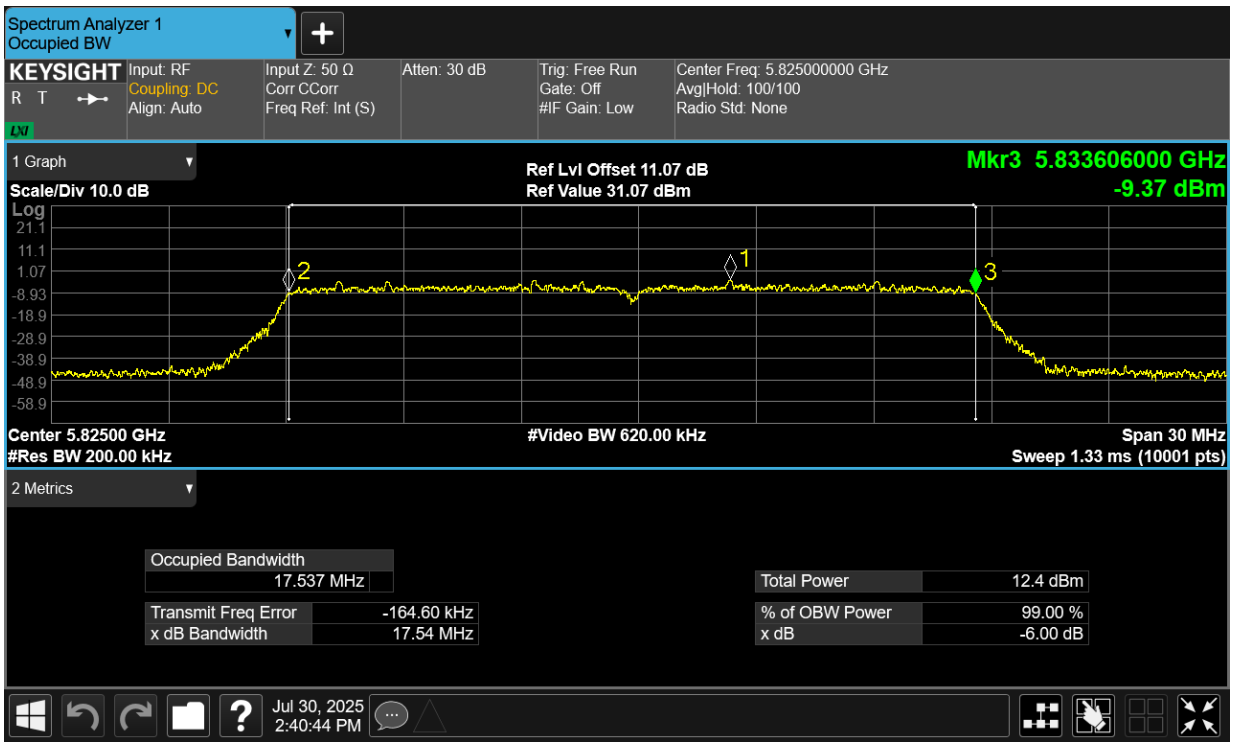
-6dB Bandwidth NVNT n20 5785MHz Ant8



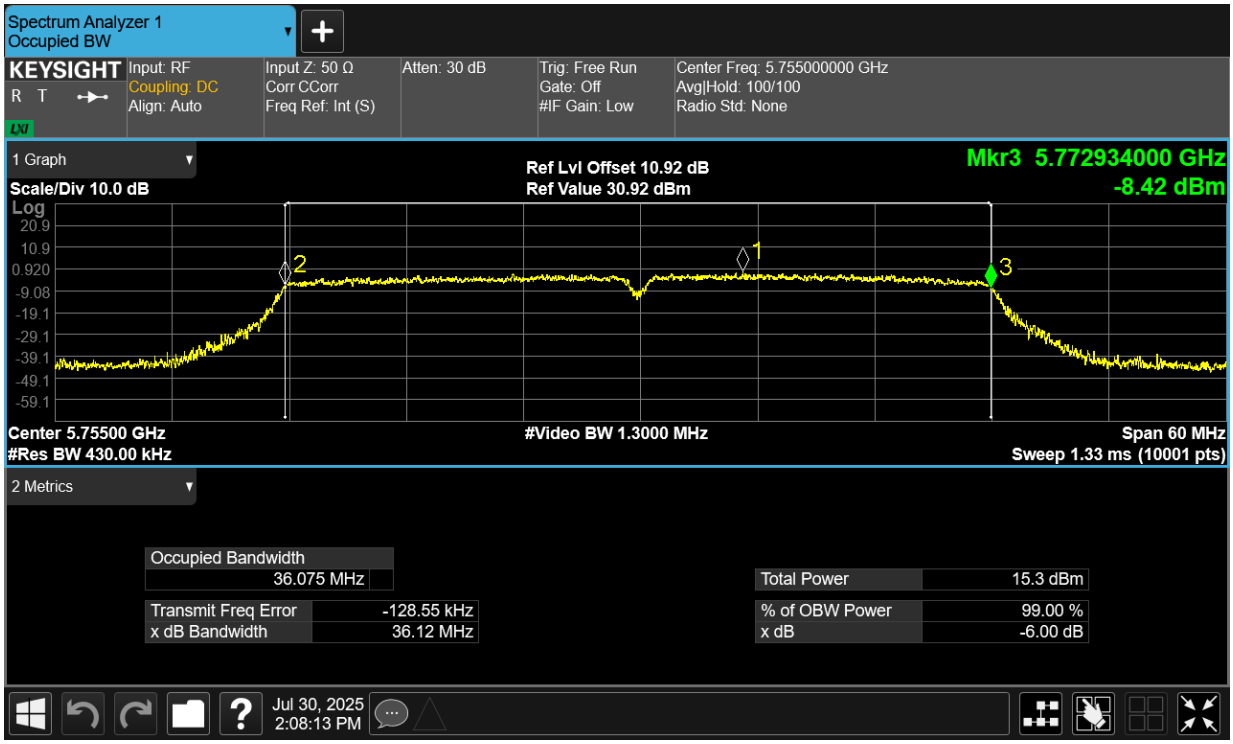
-6dB Bandwidth NVNT n20 5825MHz Ant0



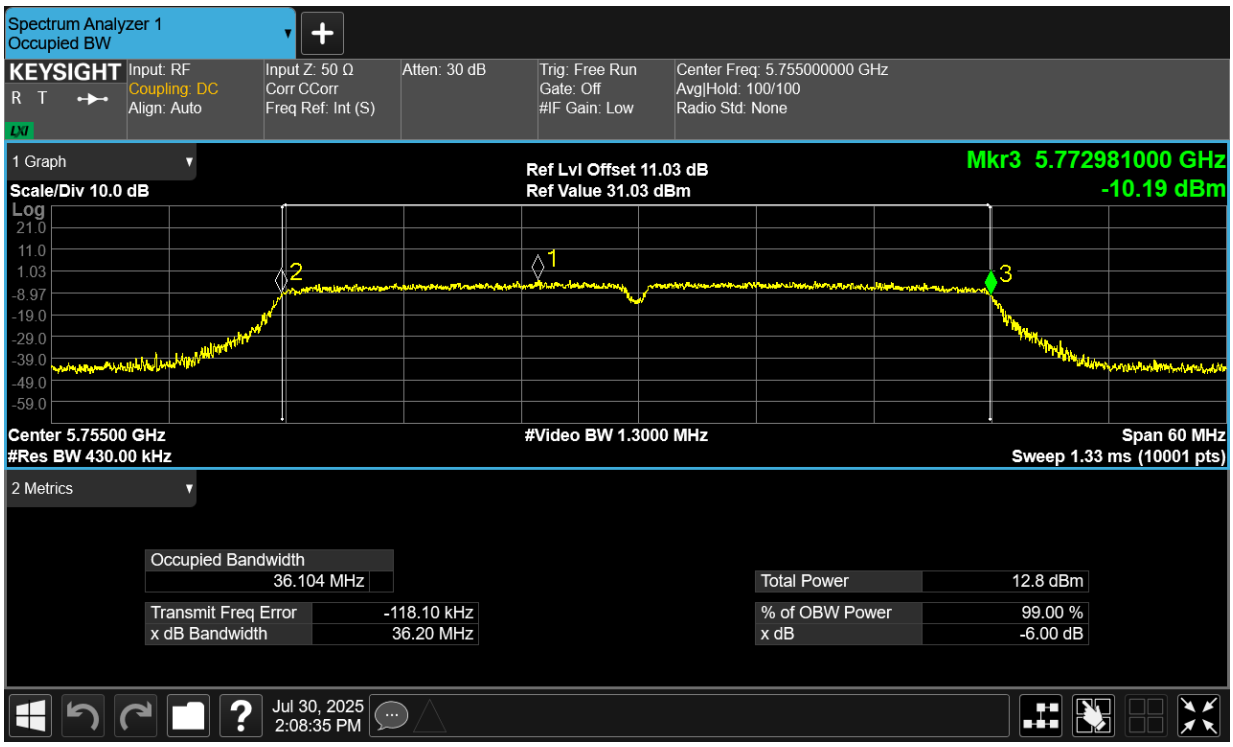
-6dB Bandwidth NVNT n20 5825MHz Ant8



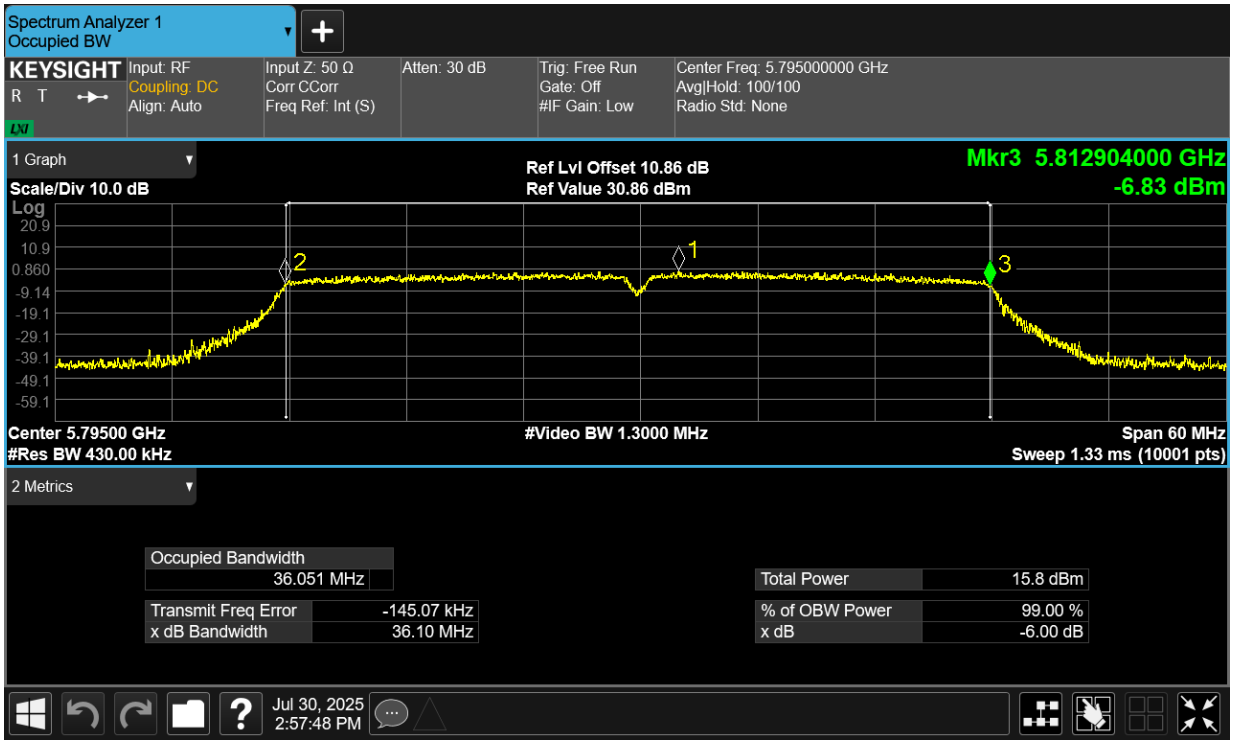
-6dB Bandwidth NVNT n40 5755MHz Ant0



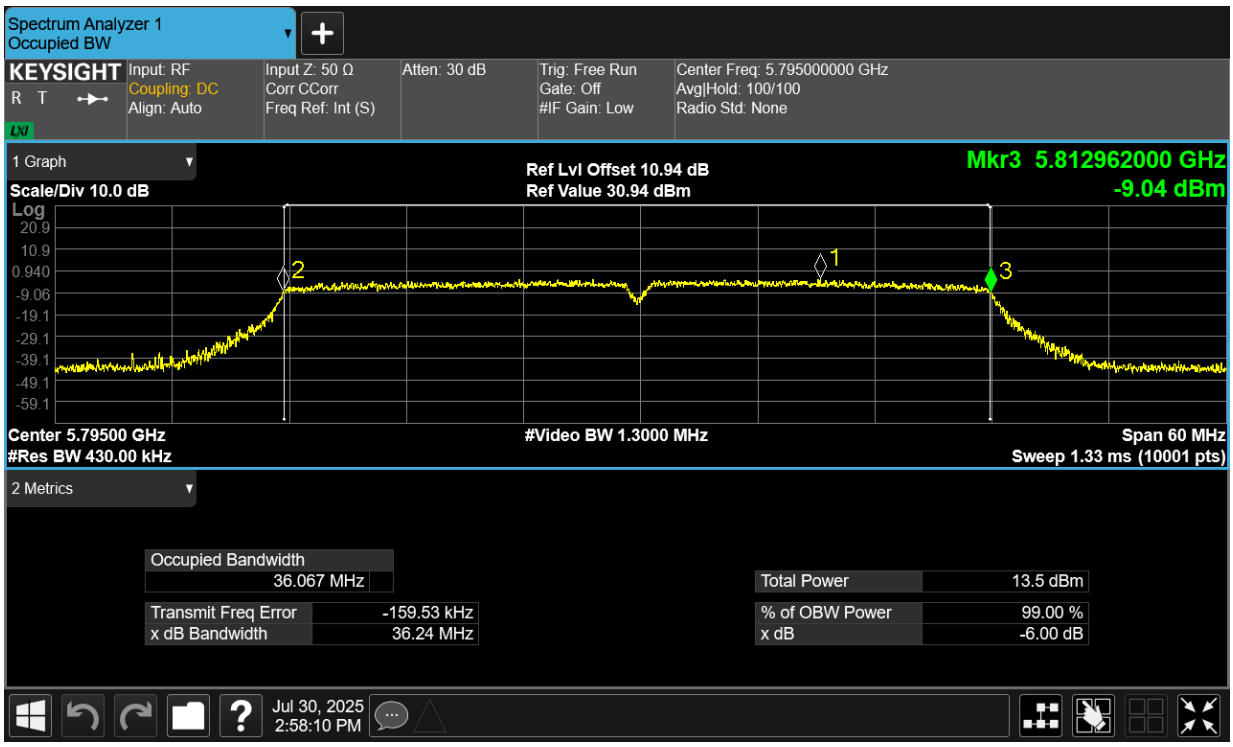
-6dB Bandwidth NVNT n40 5755MHz Ant8



-6dB Bandwidth NVNT n40 5795MHz Ant0



-6dB Bandwidth NVNT n40 5795MHz Ant8



Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant0	17.287
NVNT	a	5785	Ant0	16.604
NVNT	a	5825	Ant0	16.585
NVNT	a	5745	Ant8	17.102
NVNT	a	5785	Ant8	16.61
NVNT	a	5825	Ant8	16.596
NVNT	ac20	5745	Ant0	18.05
NVNT	ac20	5745	Ant8	17.965
NVNT	ac20	5785	Ant0	17.807
NVNT	ac20	5785	Ant8	17.777
NVNT	ac20	5825	Ant0	17.822
NVNT	ac20	5825	Ant8	17.804
NVNT	ac40	5755	Ant0	36.18
NVNT	ac40	5755	Ant8	36.198
NVNT	ac40	5795	Ant0	36.004
NVNT	ac40	5795	Ant8	36.001
NVNT	ac80	5775	Ant0	75.685
NVNT	ac80	5775	Ant8	75.577
NVNT	n20	5745	Ant0	18.025
NVNT	n20	5745	Ant8	17.971
NVNT	n20	5785	Ant0	17.805
NVNT	n20	5785	Ant8	17.729
NVNT	n20	5825	Ant0	17.819
NVNT	n20	5825	Ant8	17.803
NVNT	n40	5755	Ant0	36.215
NVNT	n40	5755	Ant8	36.268
NVNT	n40	5795	Ant0	36.03
NVNT	n40	5795	Ant8	36.042