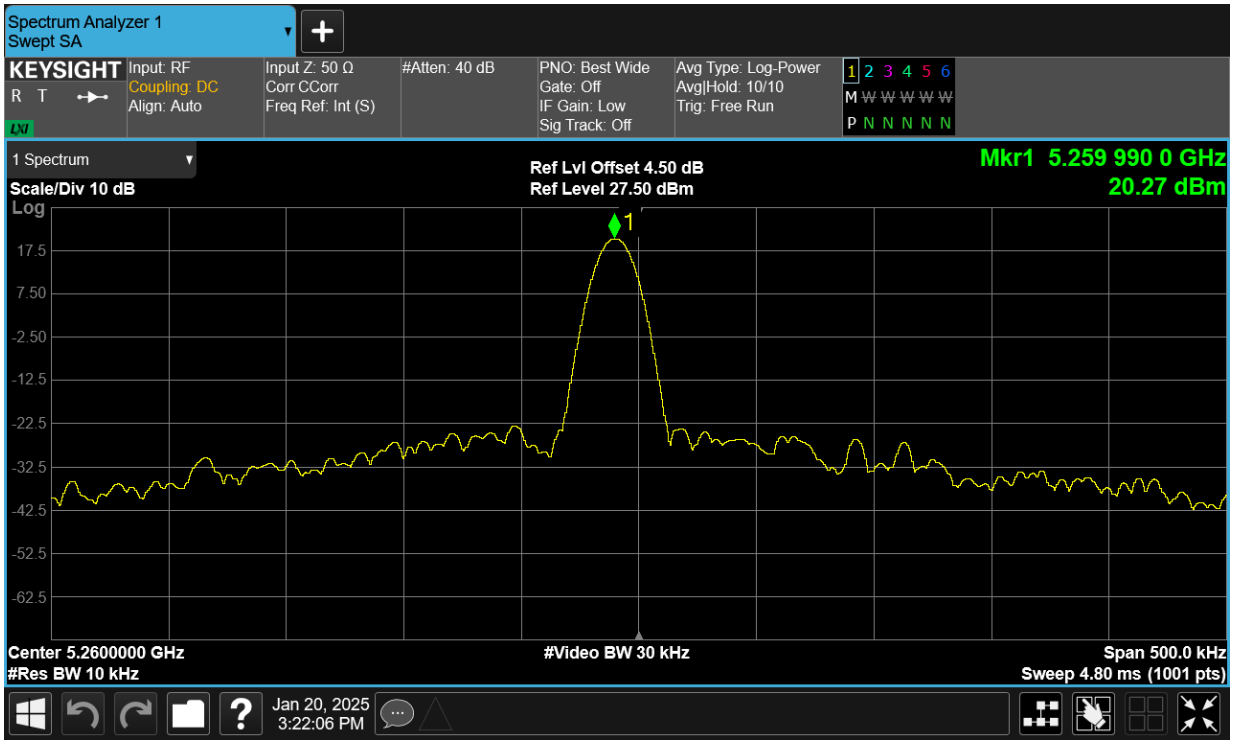
Test Data

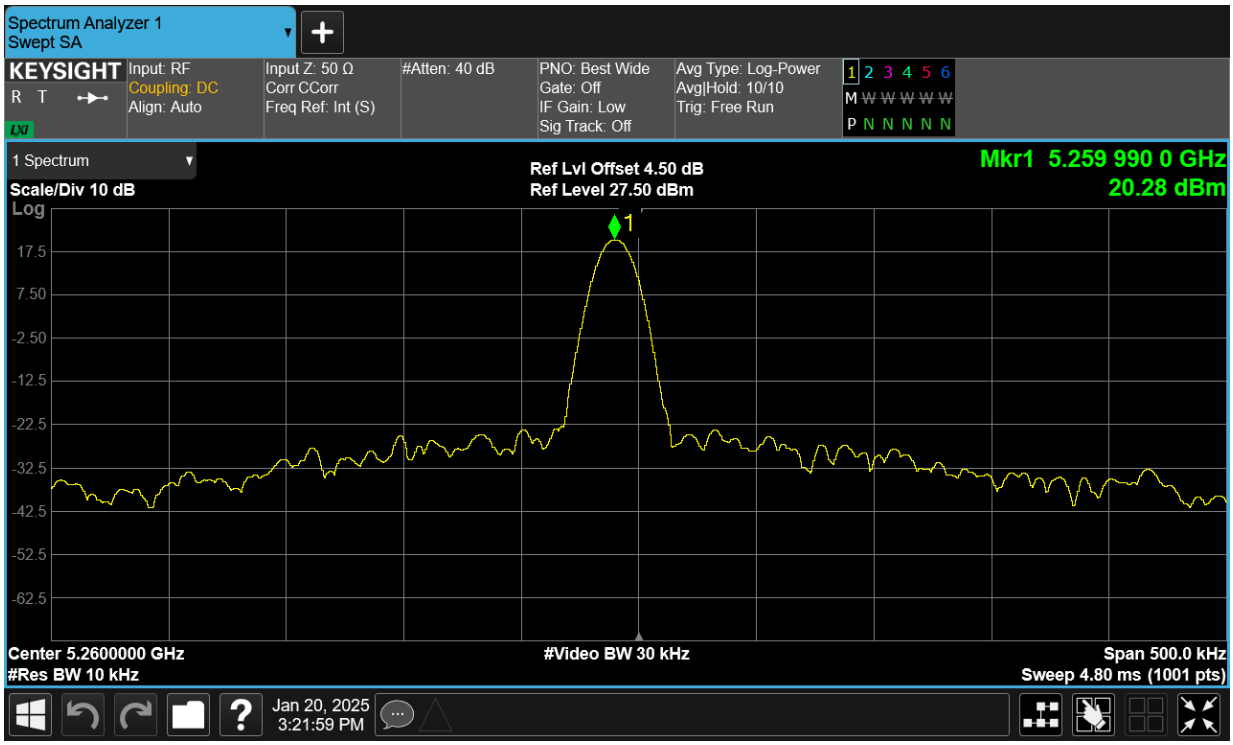
Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5260	Ant0	5259.99	-1.9	25	Pass
LVNT	a	5260	Ant0	5259.99	-1.9	25	Pass
NVHT	a	5260	Ant0	5259.9905	-1.81	25	Pass
NVLT	a	5260	Ant0	5259.9905	-1.81	25	Pass
NVNT	a	5260	Ant0	5259.99	-1.9	25	Pass
HVNT	ac80	5290	Ant0	5289.989	-2.08	25	Pass
LVNT	ac80	5290	Ant0	5289.989	-2.08	25	Pass
NVHT	ac80	5290	Ant0	5289.9895	-1.98	25	Pass
NVLT	ac80	5290	Ant0	5289.9895	-1.98	25	Pass
NVNT	ac80	5290	Ant0	5289.9905	-1.8	25	Pass
HVNT	n40	5270	Ant0	5269.989	-2.09	25	Pass
LVNT	n40	5270	Ant0	5269.9895	-1.99	25	Pass
NVHT	n40	5270	Ant0	5269.9895	-1.99	25	Pass
NVLT	n40	5270	Ant0	5269.99	-1.9	25	Pass
NVNT	n40	5270	Ant0	5269.9905	-1.8	25	Pass

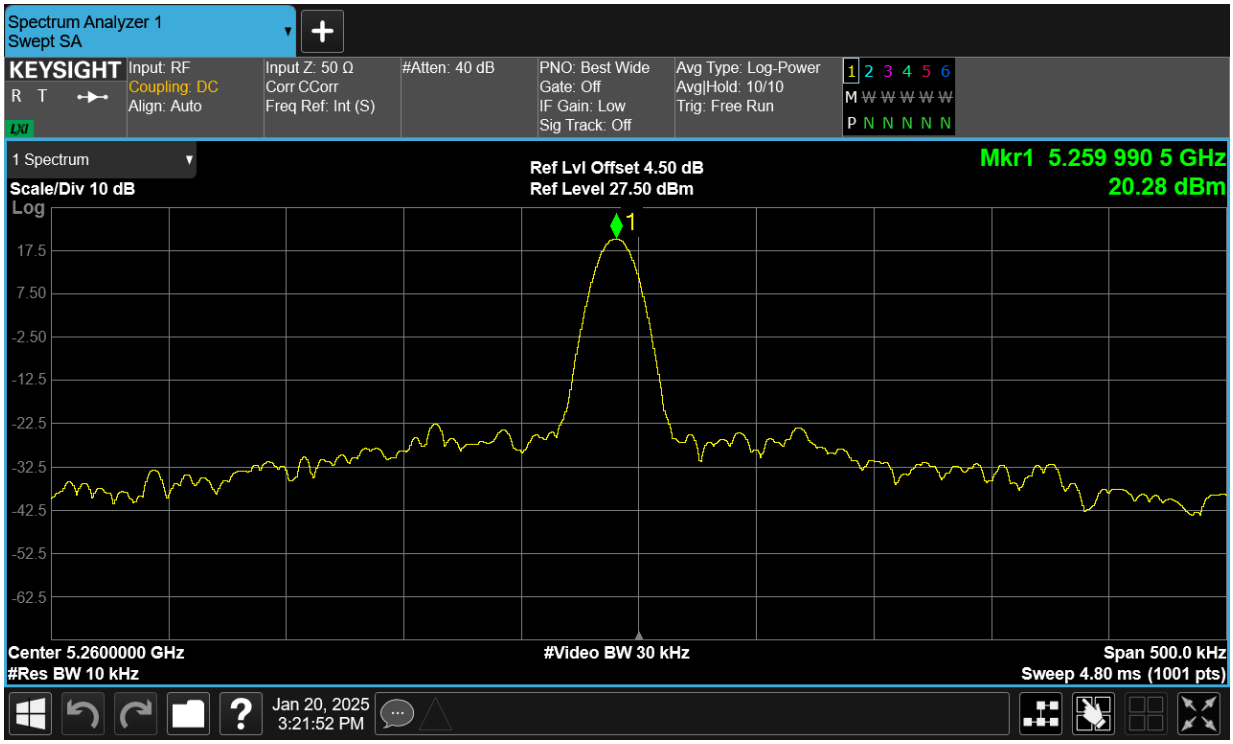
Test Graphs
Freq. Stability HVNT a 5260MHz Ant0



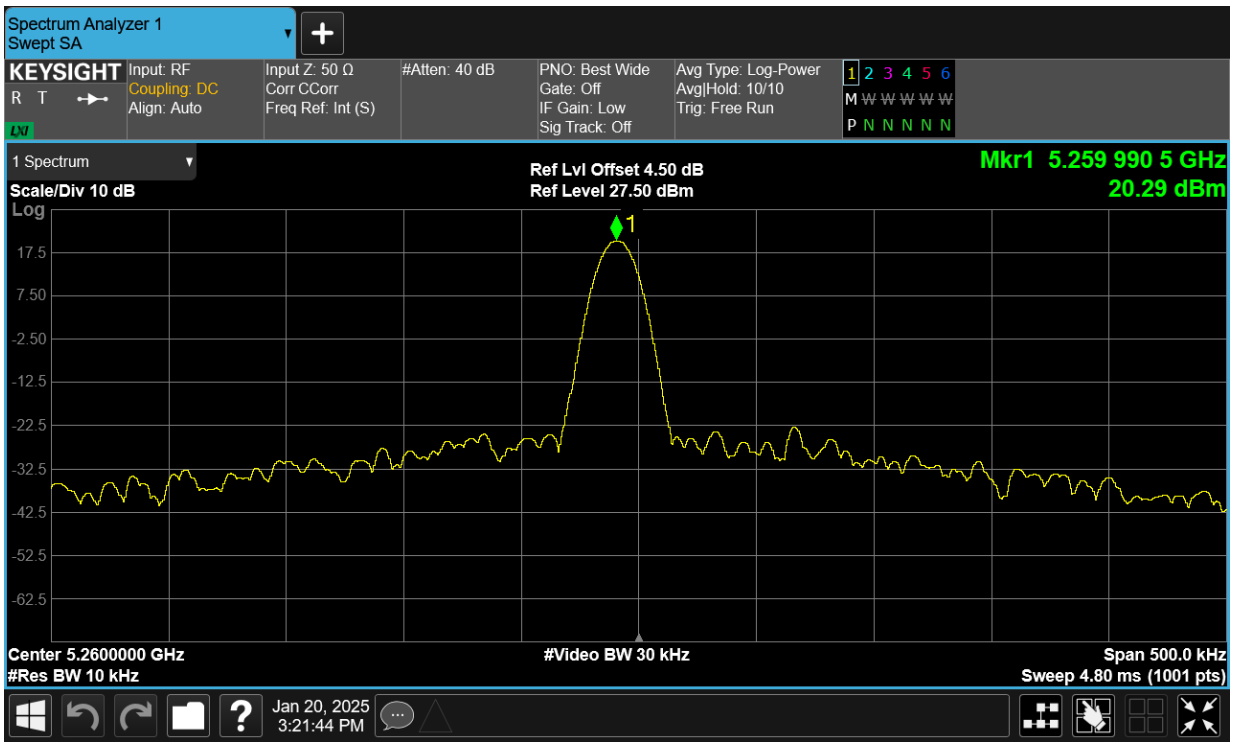
Freq. Stability LVNT a 5260MHz Ant0



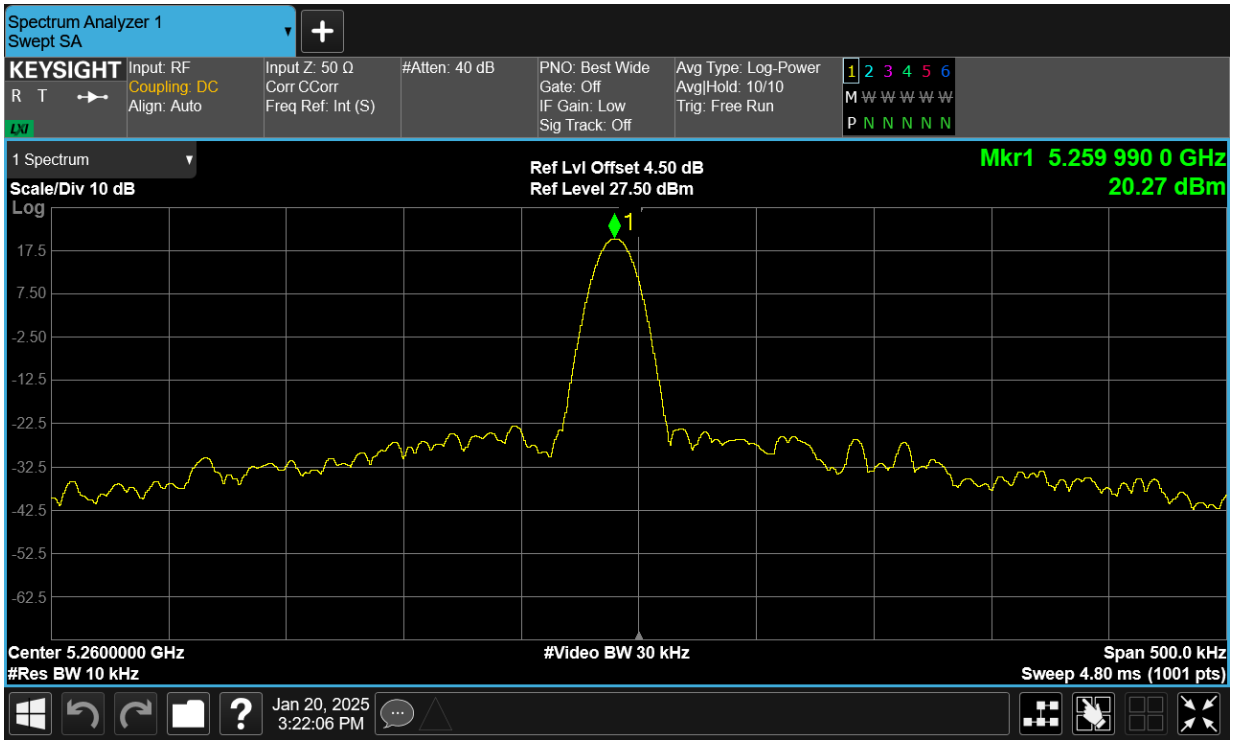
Freq. Stability NVHT a 5260MHz Ant0



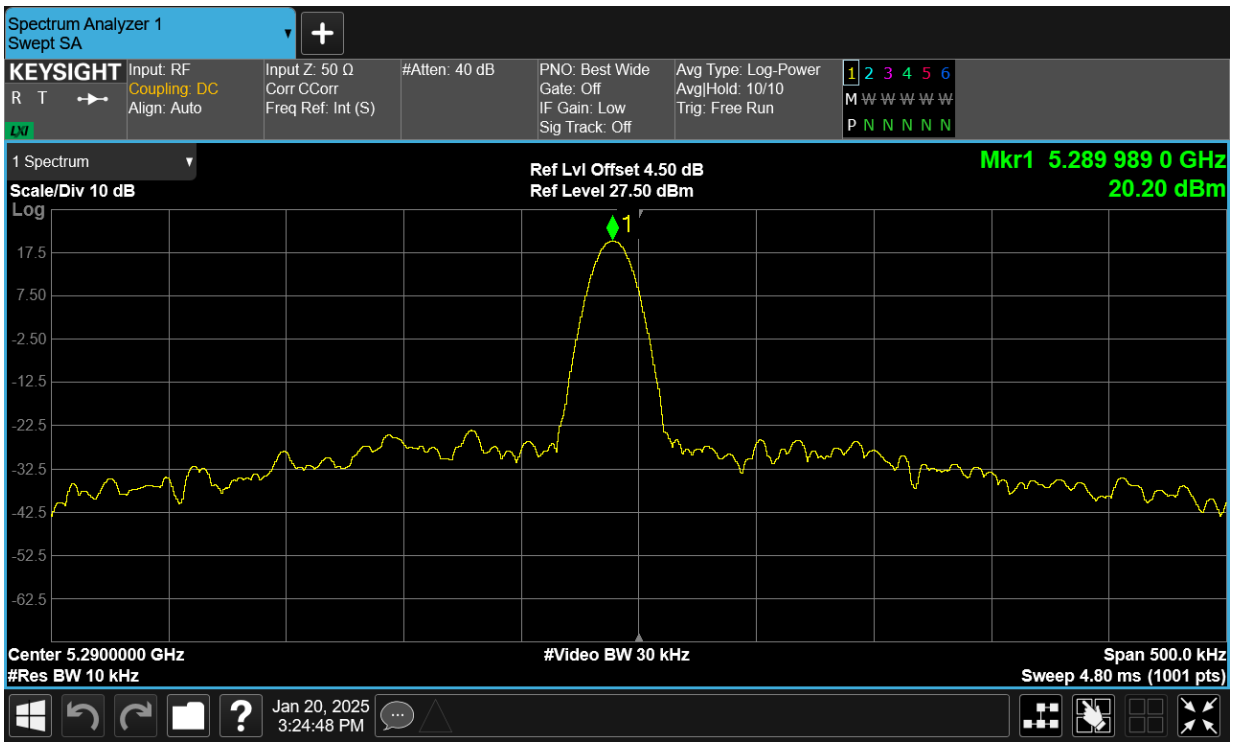
Freq. Stability NVLT a 5260MHz Ant0



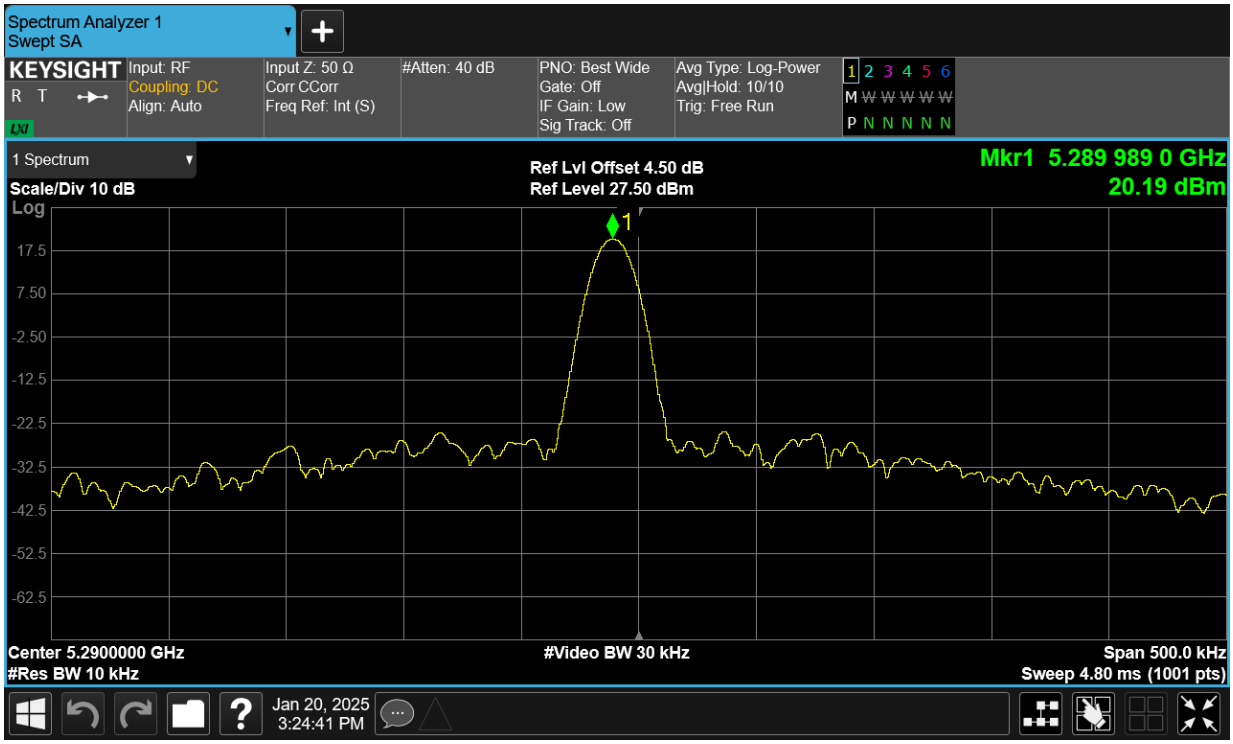
Freq. Stability NVNT a 5260MHz Ant0



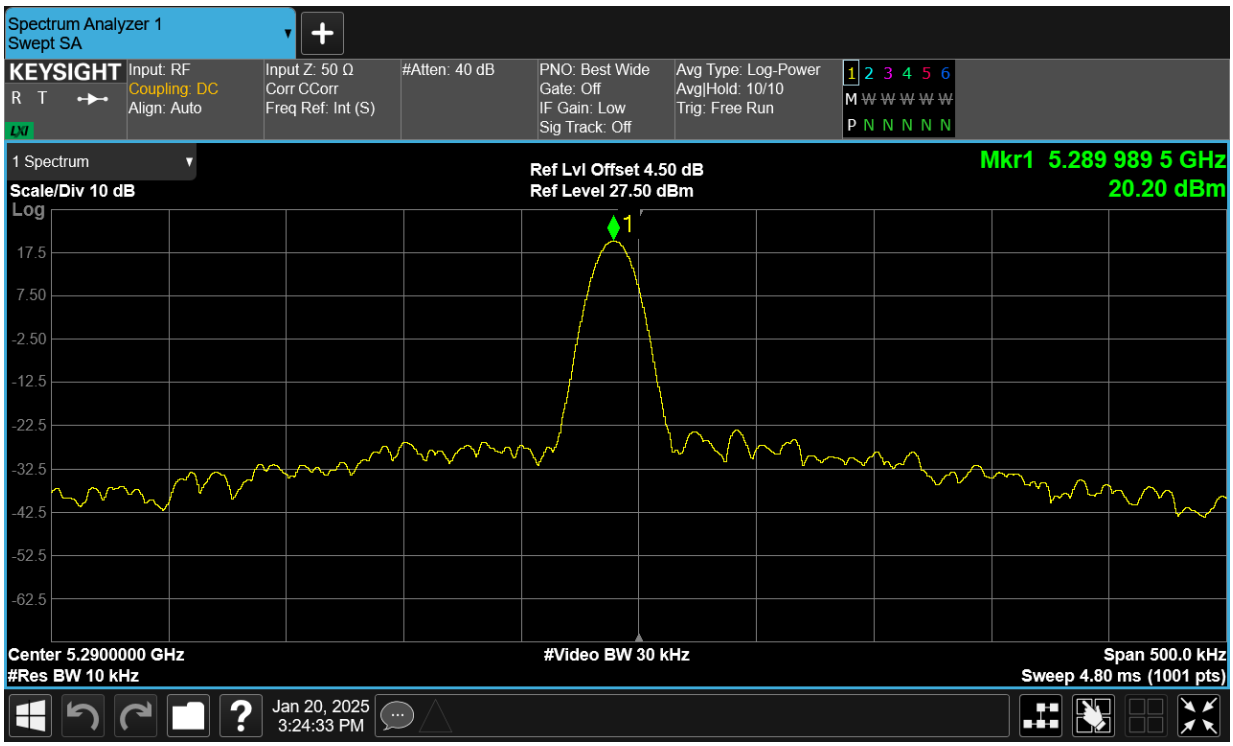
Freq. Stability HVNT ac80 5290MHz Ant0



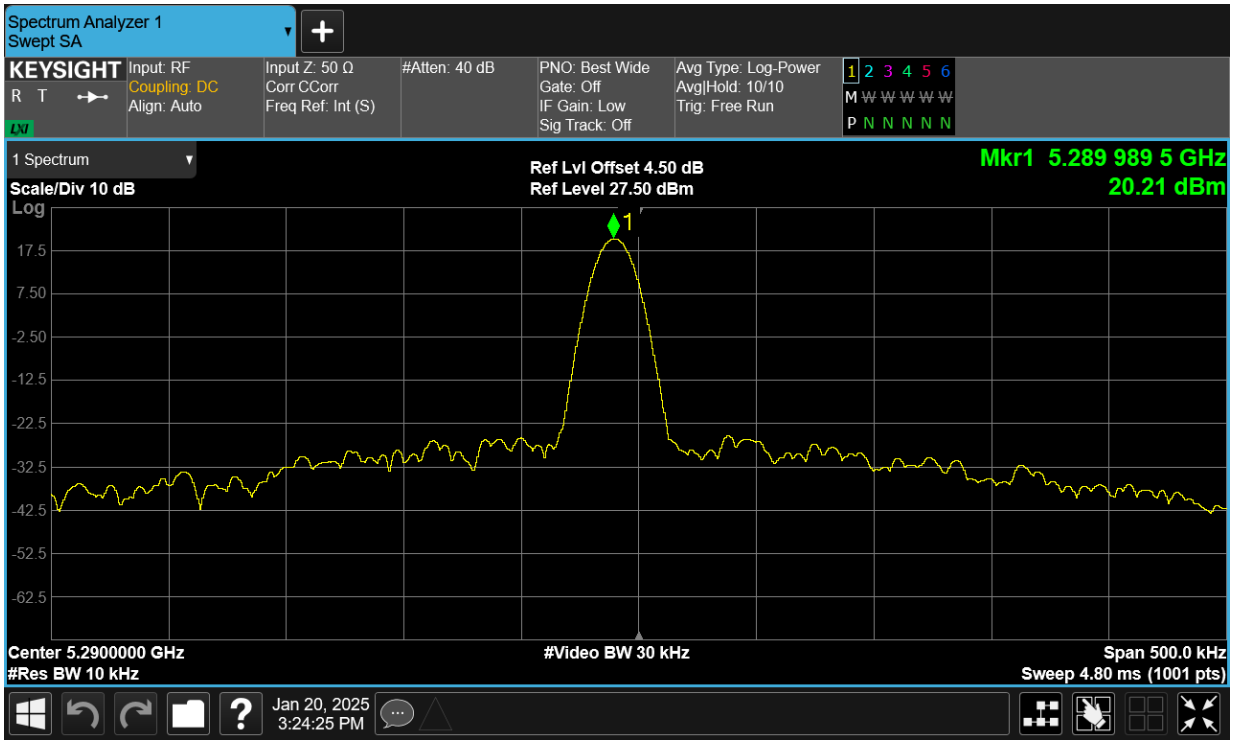
Freq. Stability LVNT ac80 5290MHz Ant0



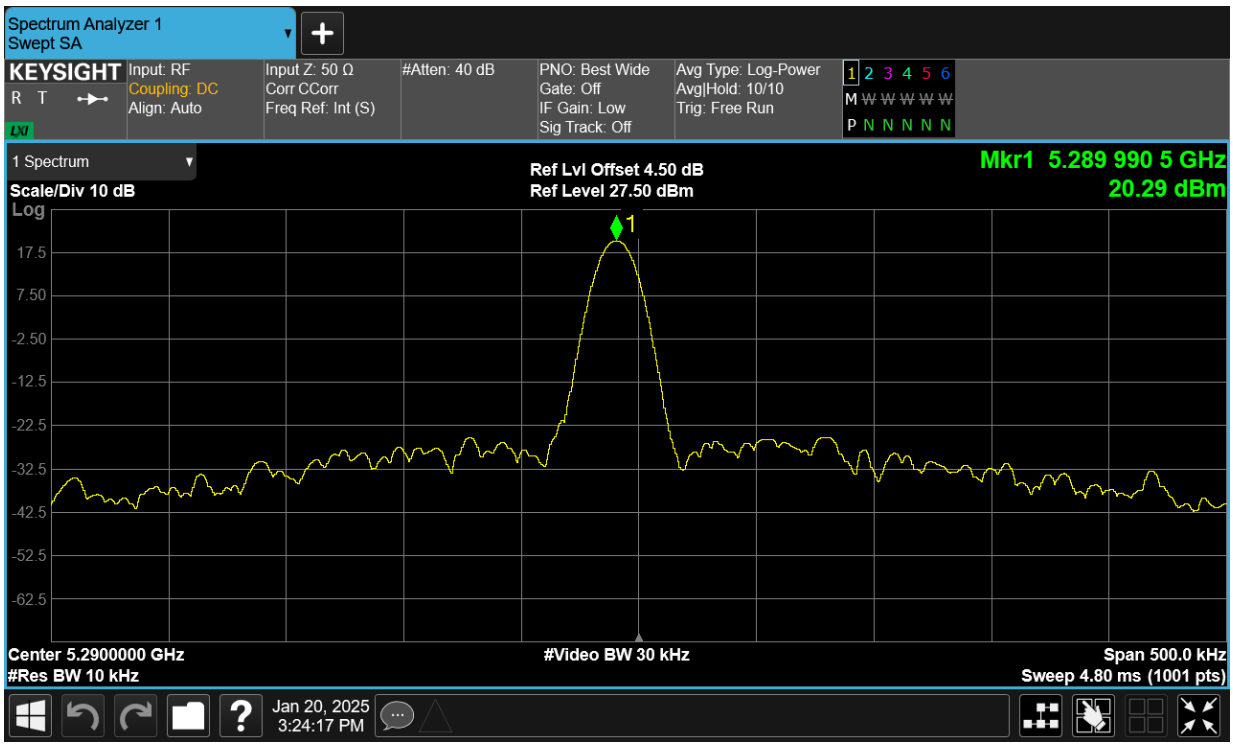
Freq. Stability NVHT ac80 5290MHz Ant0



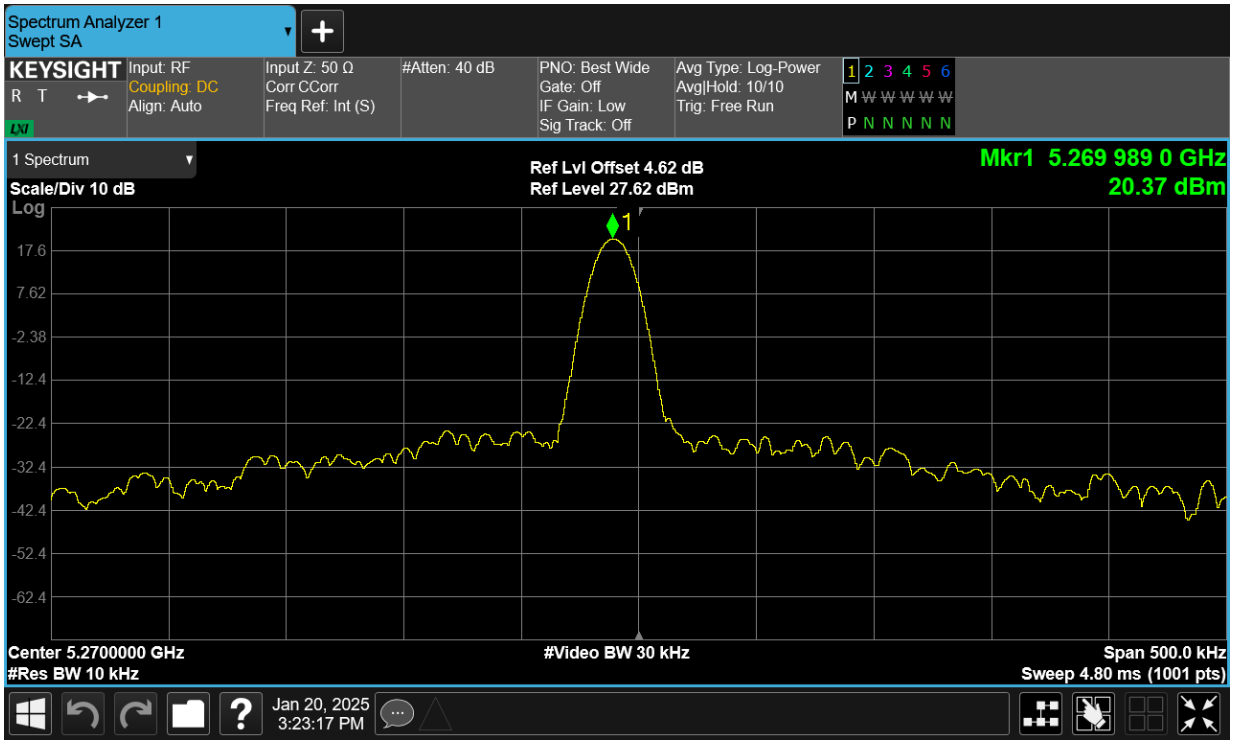
Freq. Stability NVLT ac80 5290MHz Ant0



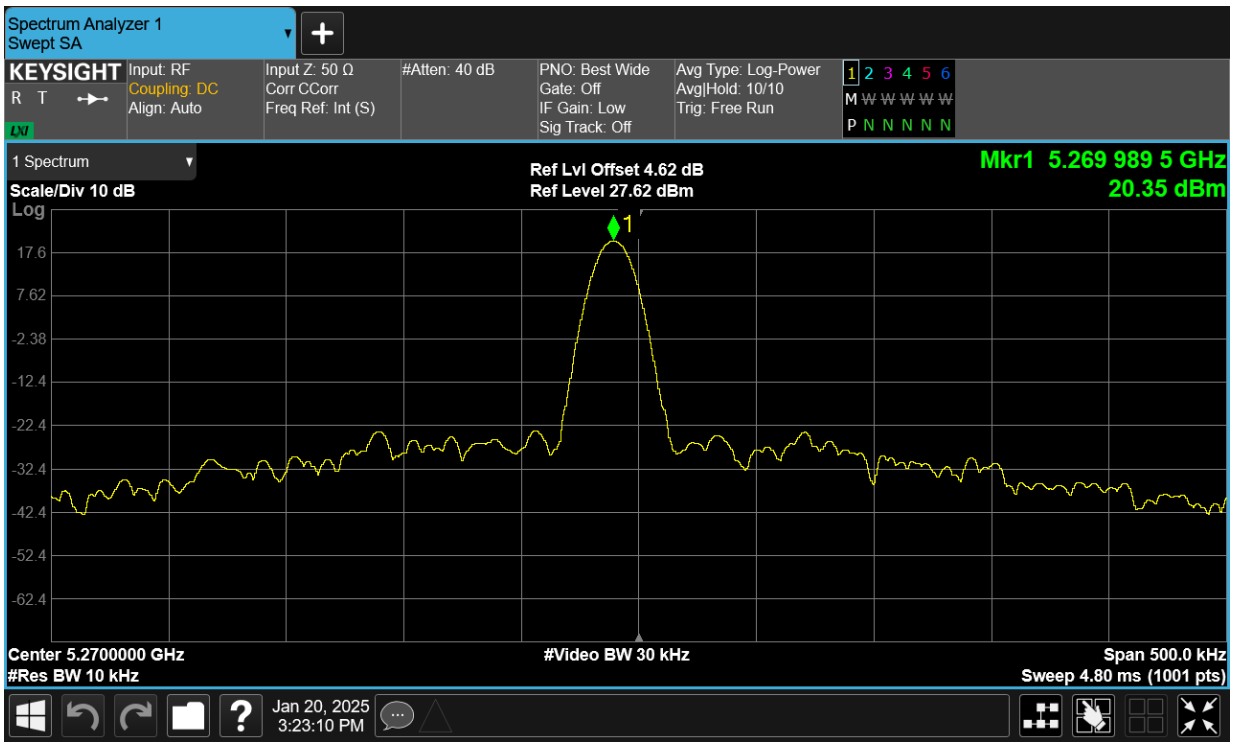
Freq. Stability NVNT ac80 5290MHz Ant0



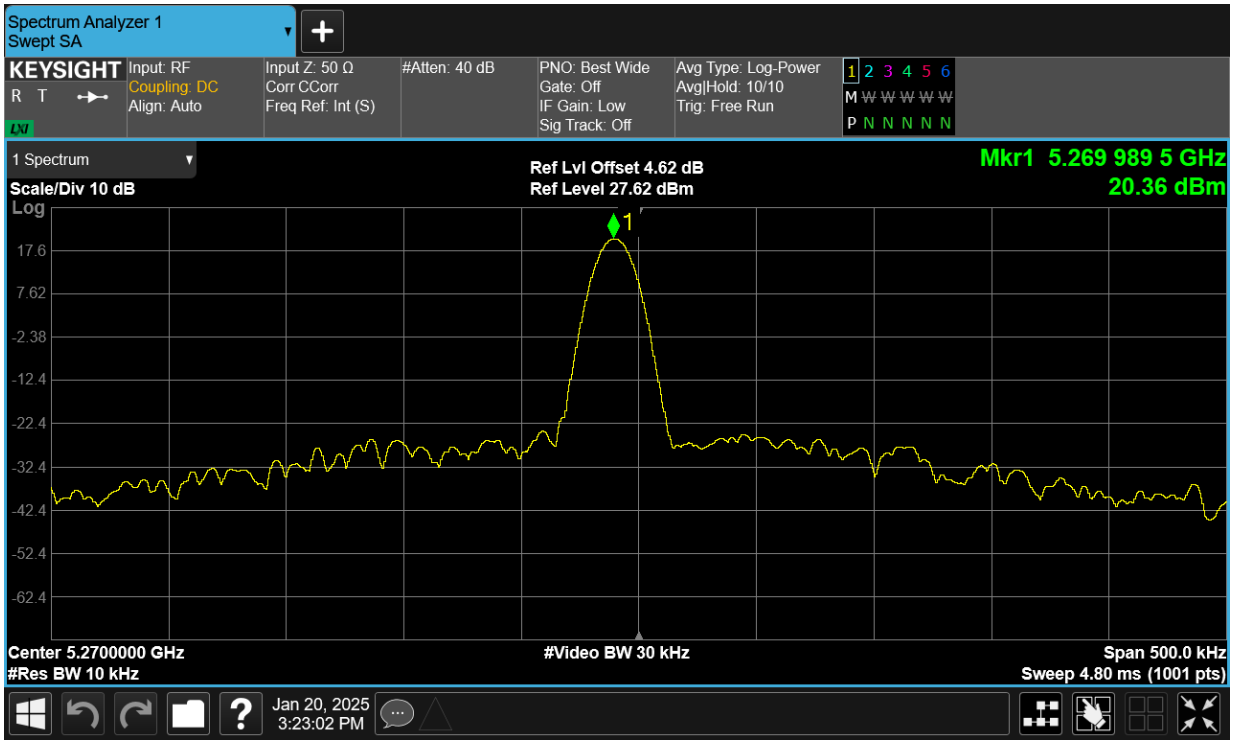
Freq. Stability HVNT n40 5270MHz Ant0



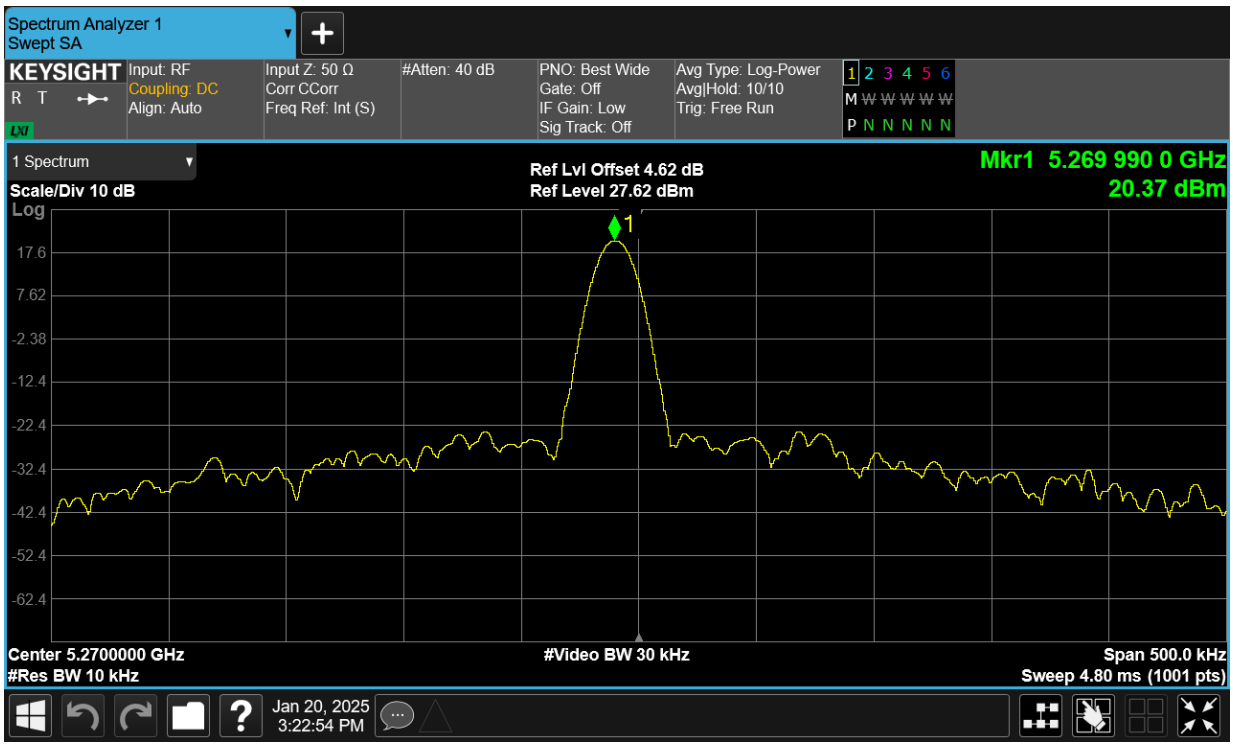
Freq. Stability LVNT n40 5270MHz Ant0



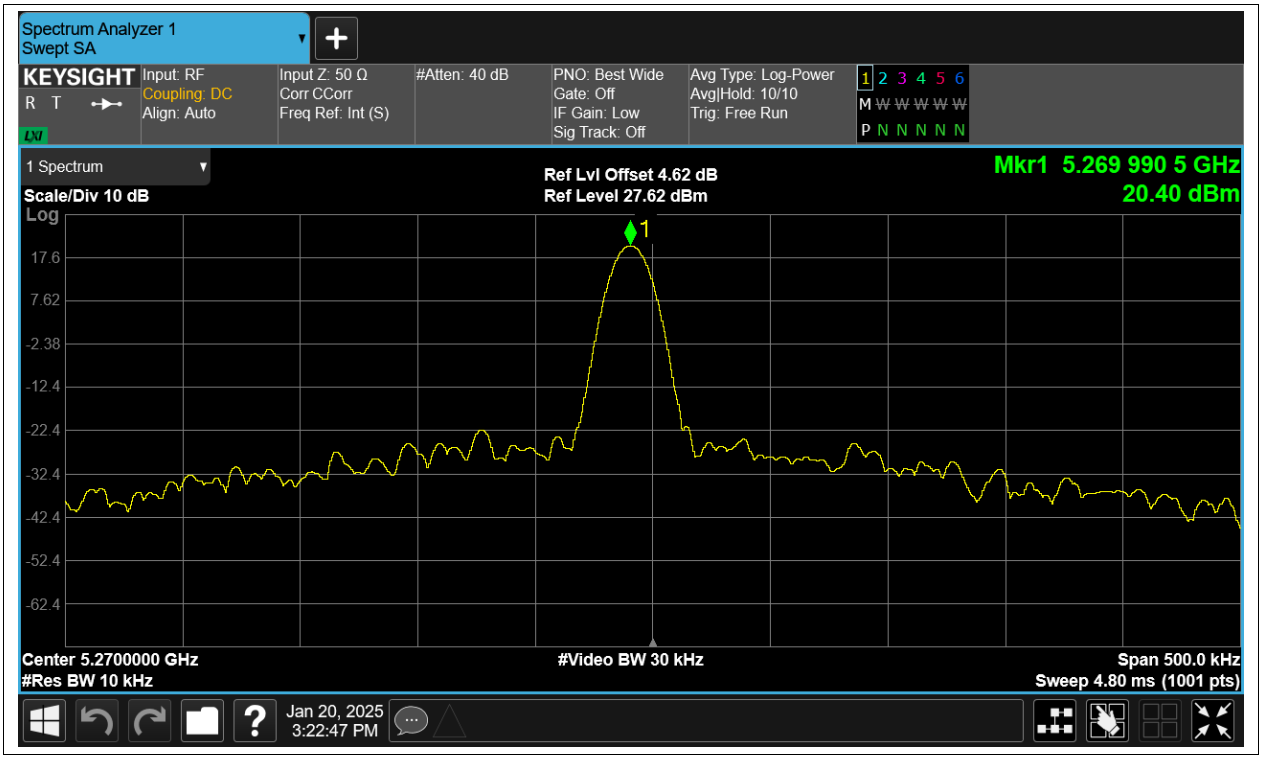
Freq. Stability NVHT n40 5270MHz Ant0



Freq. Stability NVLT n40 5270MHz Ant0



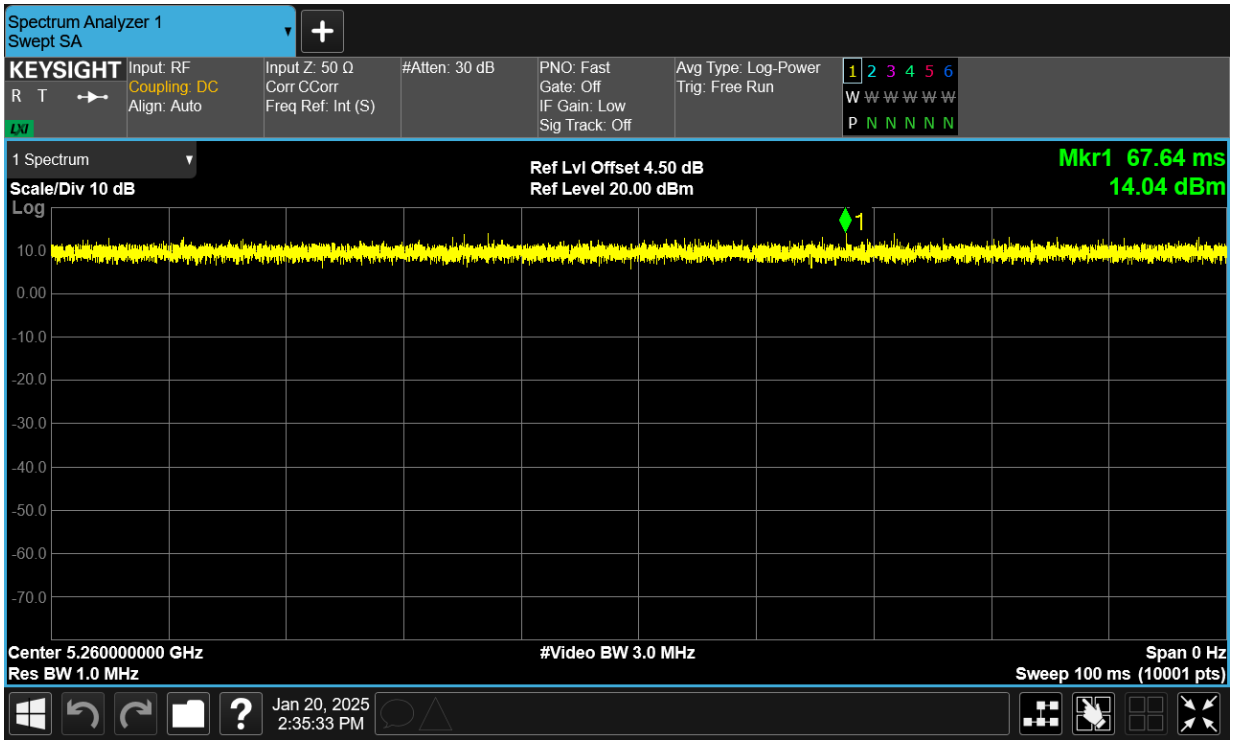
Freq. Stability NVNT n40 5270MHz Ant0


Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corr CCorr
Freq Ref: Int (S)
#Atten: 40 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
Ref Lvl Offset 4.62 dB
Ref Level 27.62 dBm
Mkr1 5.269 990 5 GHz
20.40 dBm
Log
17.6
7.62
-2.38
-12.4
-22.4
-32.4
-42.4
-52.4
-62.4
Center 5.2700000 GHz
#Res BW 10 kHz
#Video BW 30 kHz
Span 500.0 kHz
Sweep 4.80 ms (1001 pts)
Jan 20, 2025
3:22:47 PM

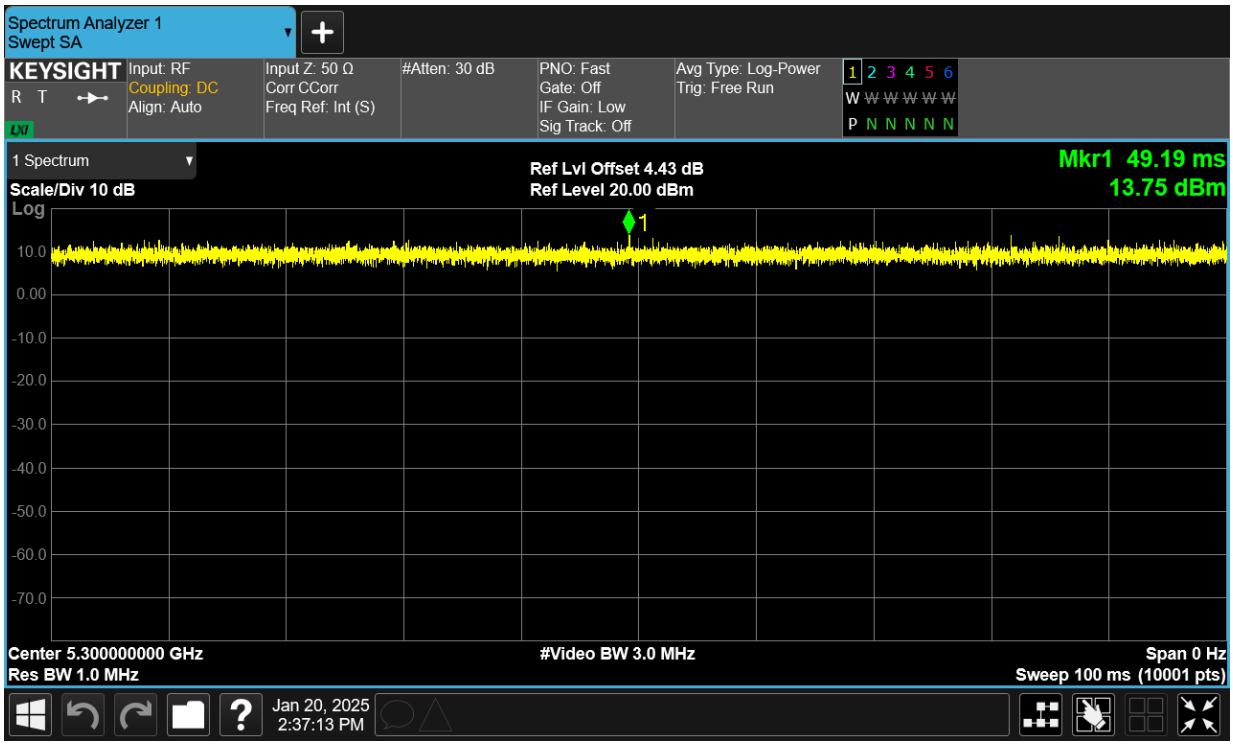
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5260	Ant0	100	0
NVNT	a	5300	Ant0	100	0
NVNT	a	5320	Ant0	100	0
NVNT	ac20	5260	Ant0	100	0
NVNT	ac20	5300	Ant0	100	0
NVNT	ac20	5320	Ant0	100	0
NVNT	ac40	5270	Ant0	100	0
NVNT	ac40	5310	Ant0	100	0
NVNT	ac80	5290	Ant0	100	0
NVNT	ax20	5260	Ant0	100	0
NVNT	ax20	5300	Ant0	100	0
NVNT	ax20	5320	Ant0	100	0
NVNT	ax40	5270	Ant0	100	0
NVNT	ax40	5310	Ant0	100	0
NVNT	ax80	5290	Ant0	100	0
NVNT	n20	5260	Ant0	100	0
NVNT	n20	5300	Ant0	100	0
NVNT	n20	5320	Ant0	100	0
NVNT	n40	5270	Ant0	100	0
NVNT	n40	5310	Ant0	100	0

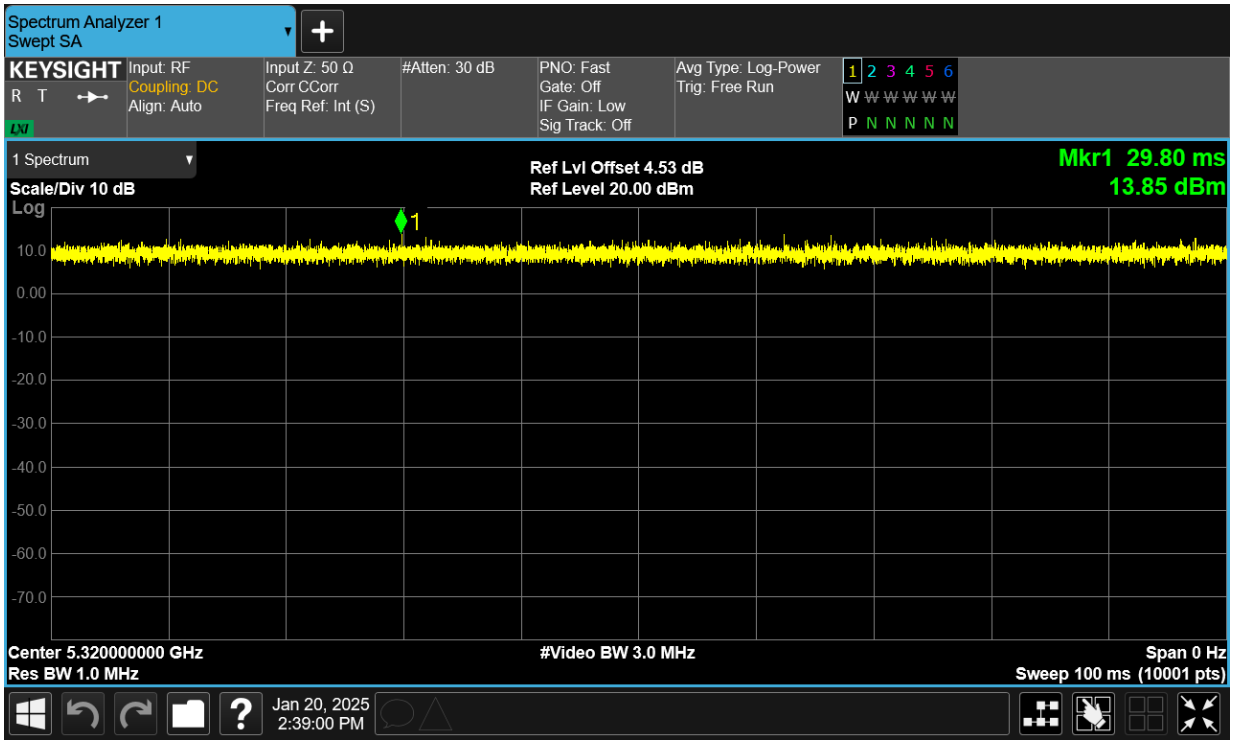
Test Graphs
Duty Cycle NVNT a 5260MHz Ant0



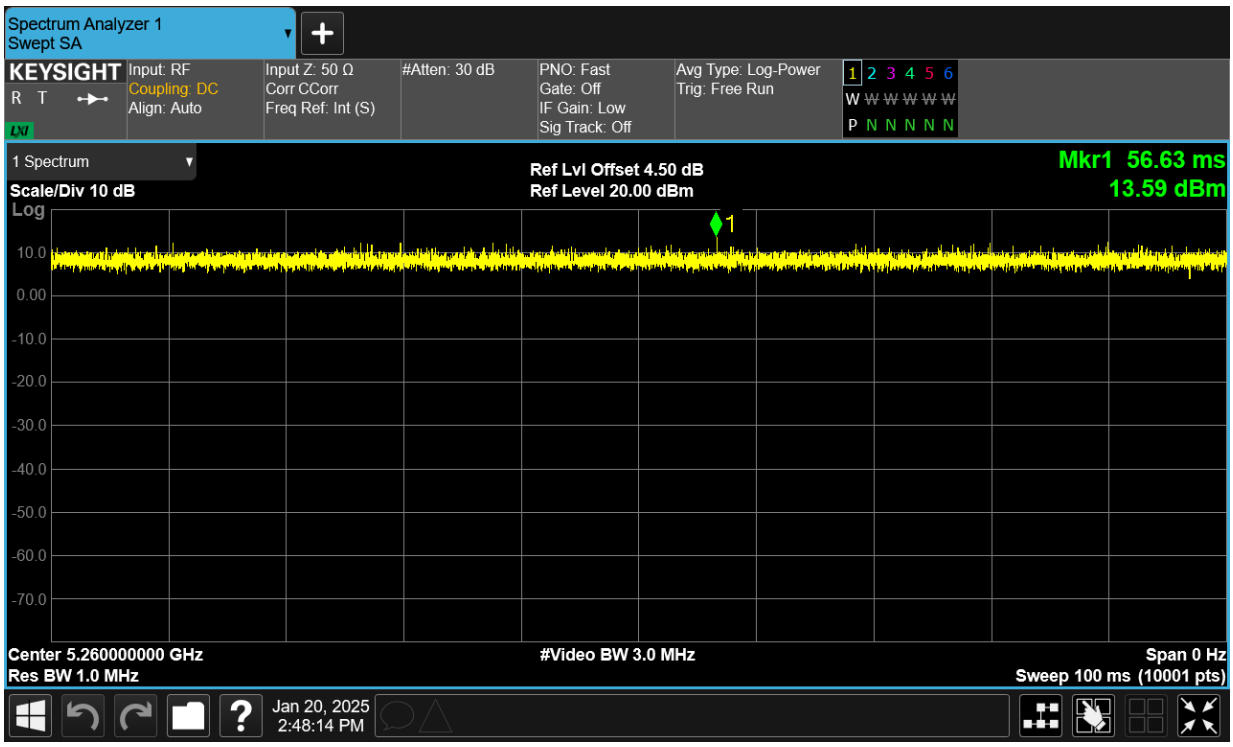
Duty Cycle NVNT a 5300MHz Ant0



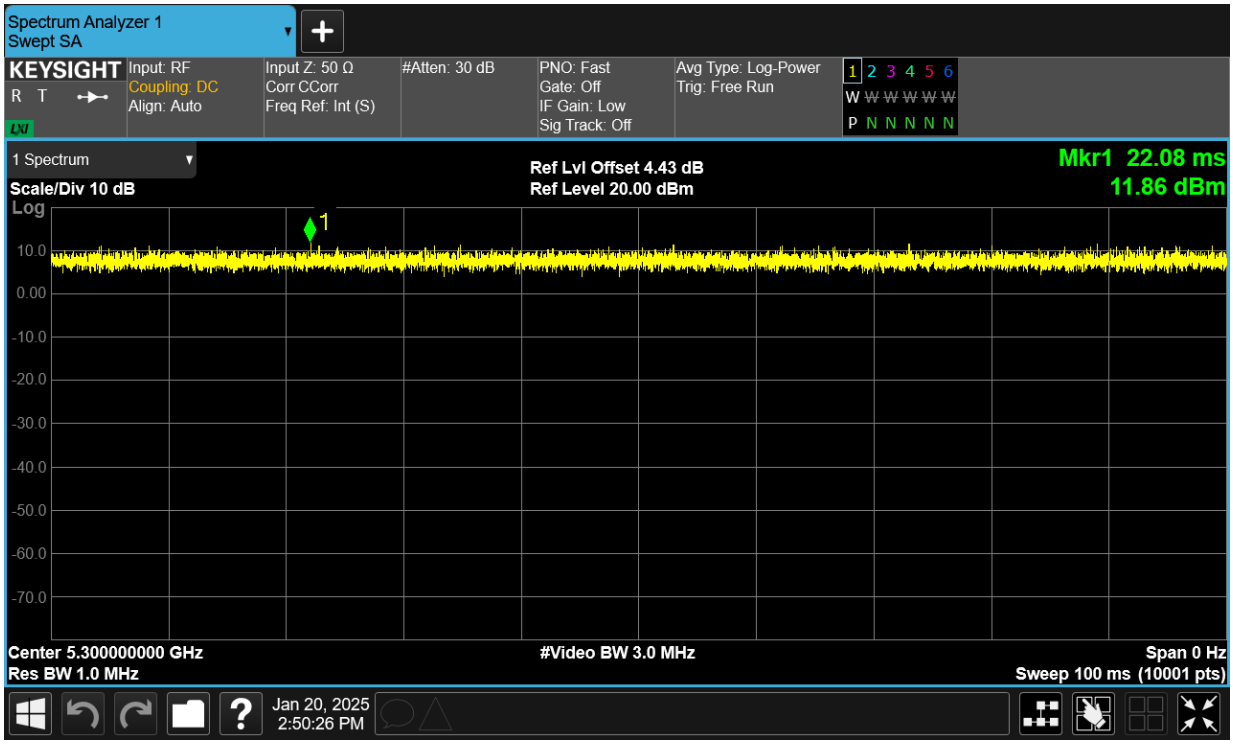
Duty Cycle NVNT a 5320MHz Ant0



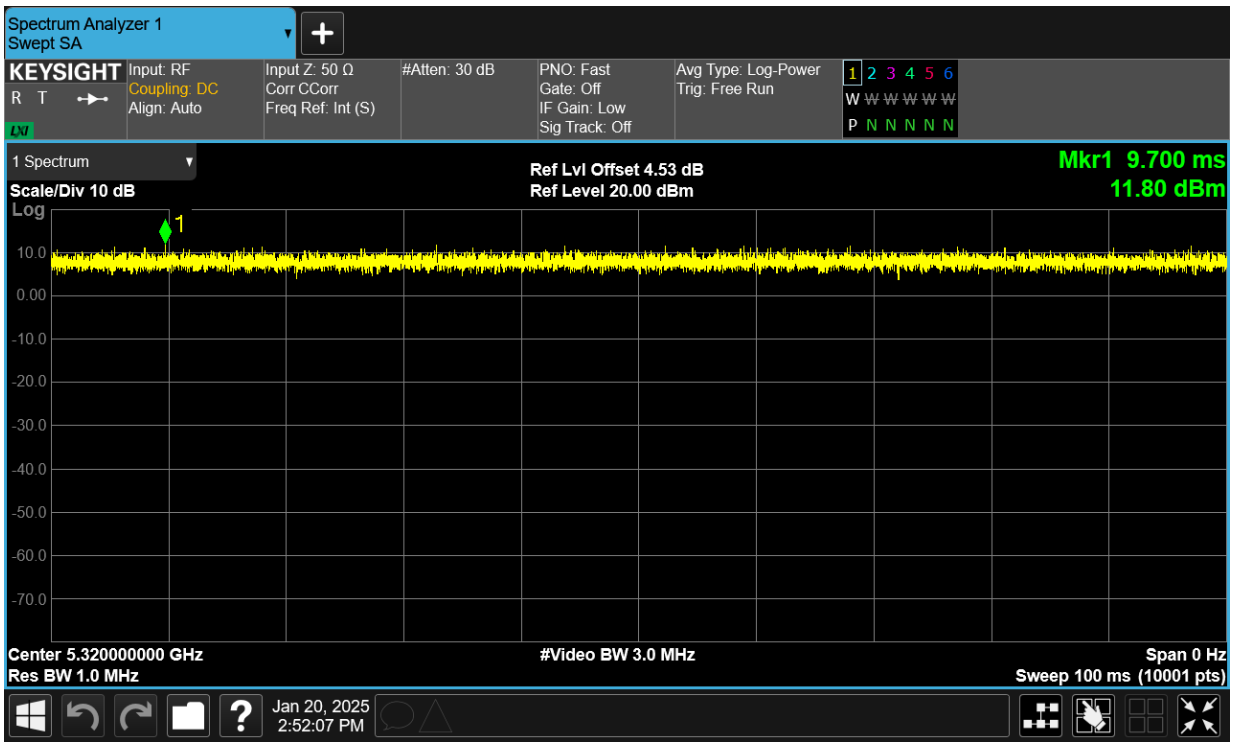
Duty Cycle NVNT ac20 5260MHz Ant0



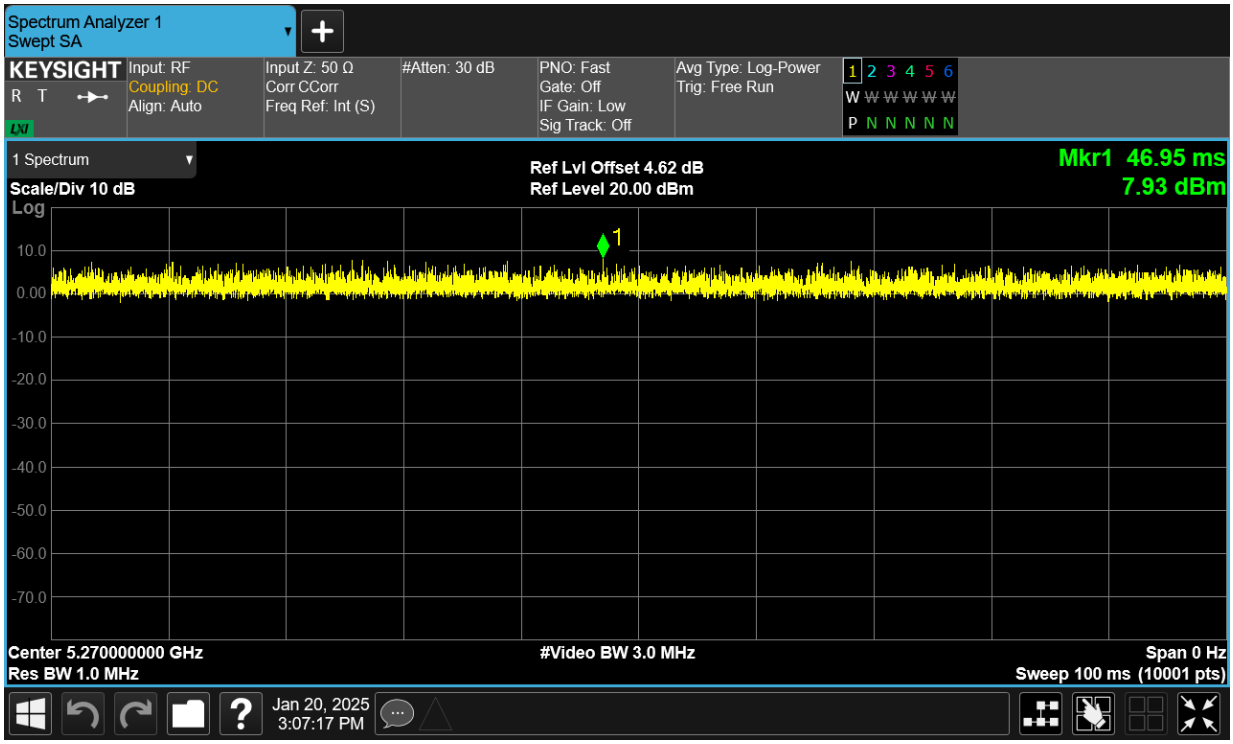
Duty Cycle NVNT ac20 5300MHz Ant0



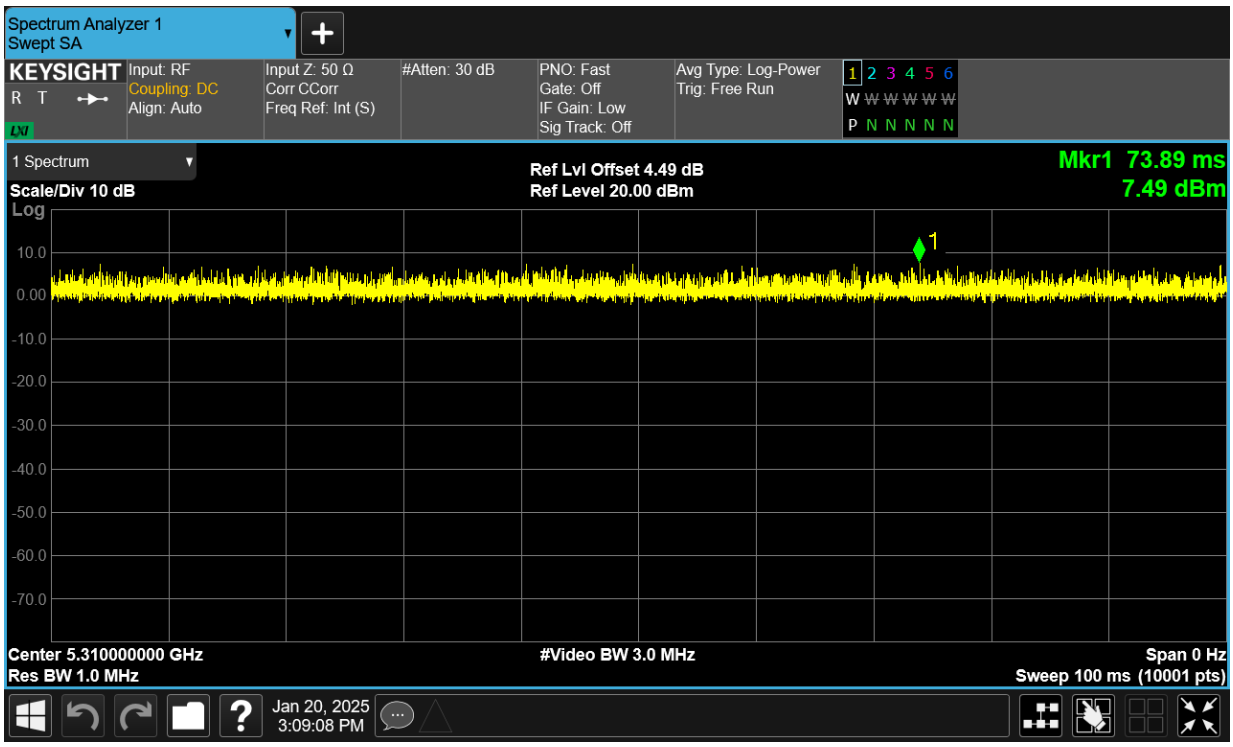
Duty Cycle NVNT ac20 5320MHz Ant0



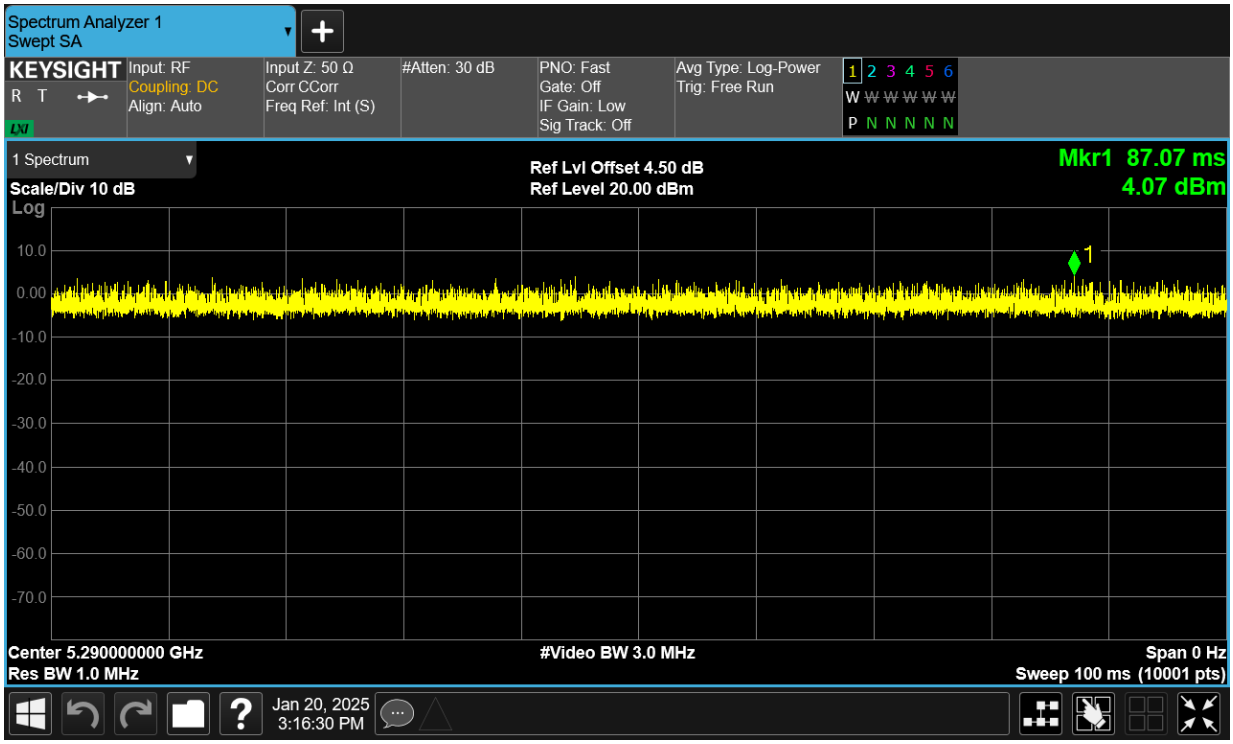
Duty Cycle NVNT ac40 5270MHz Ant0



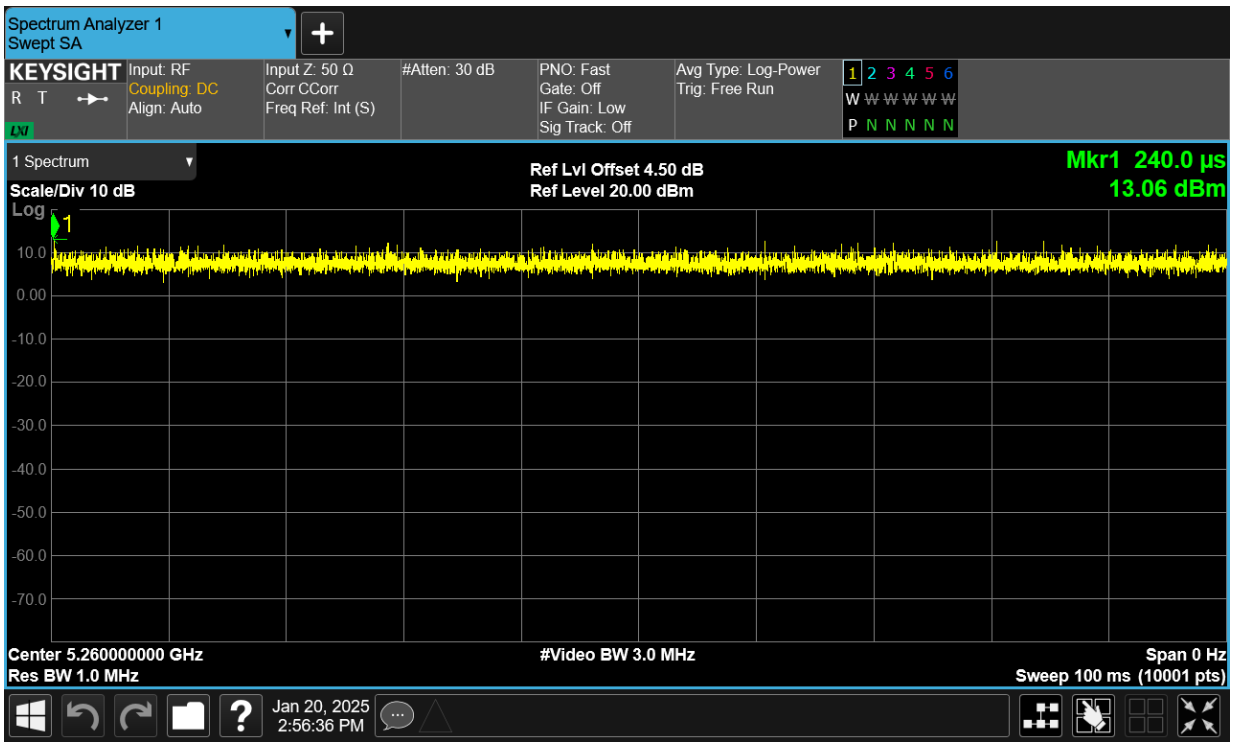
Duty Cycle NVNT ac40 5310MHz Ant0



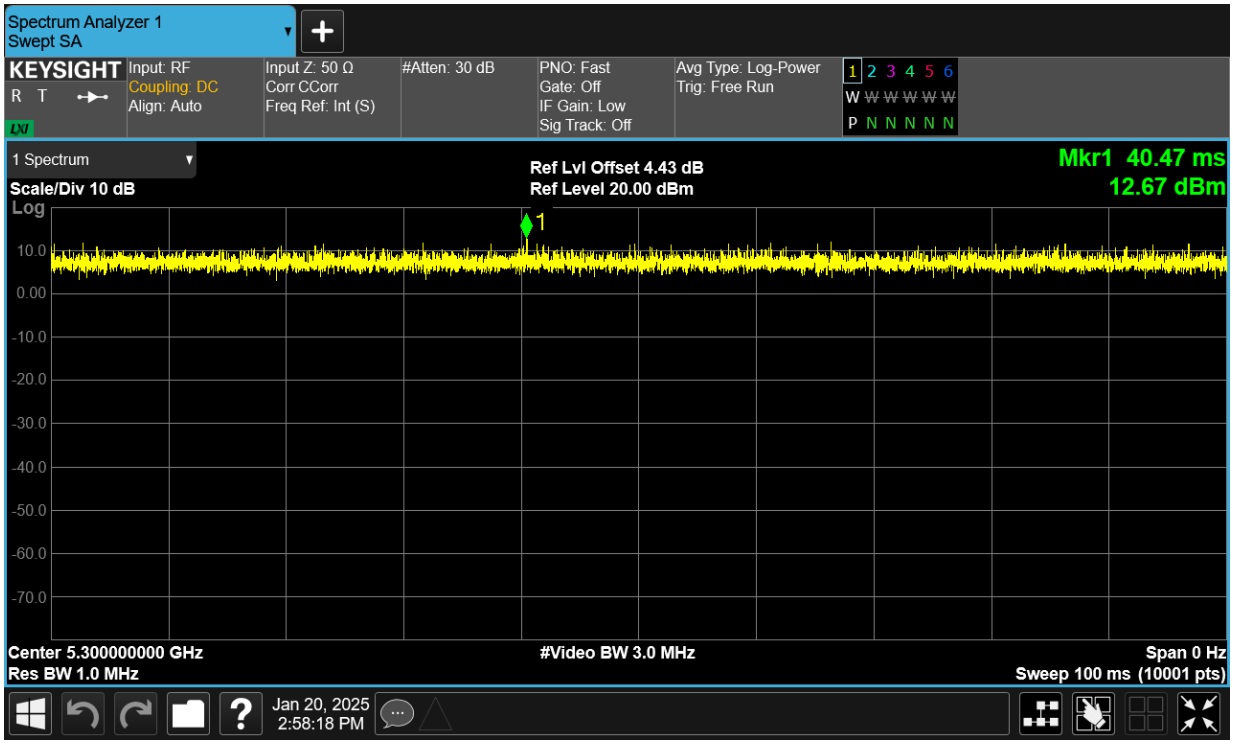
Duty Cycle NVNT ac80 5290MHz Ant0



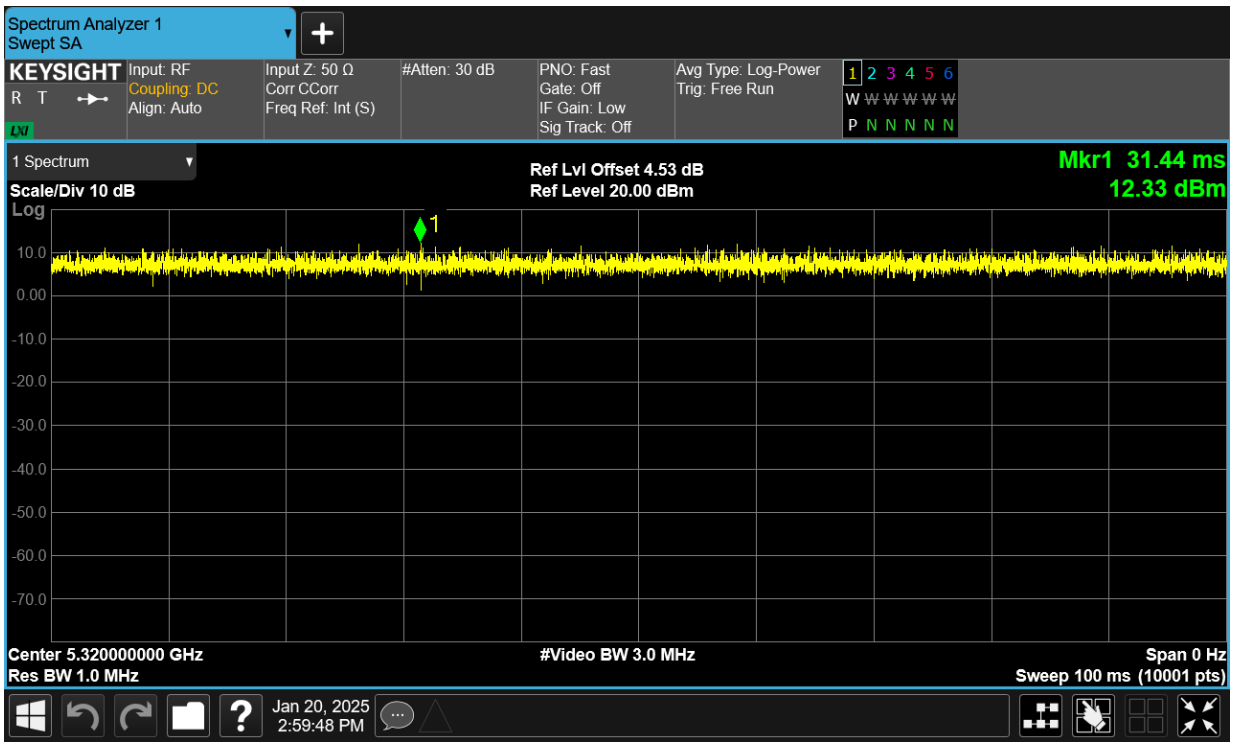
Duty Cycle NVNT ax20 5260MHz Ant0



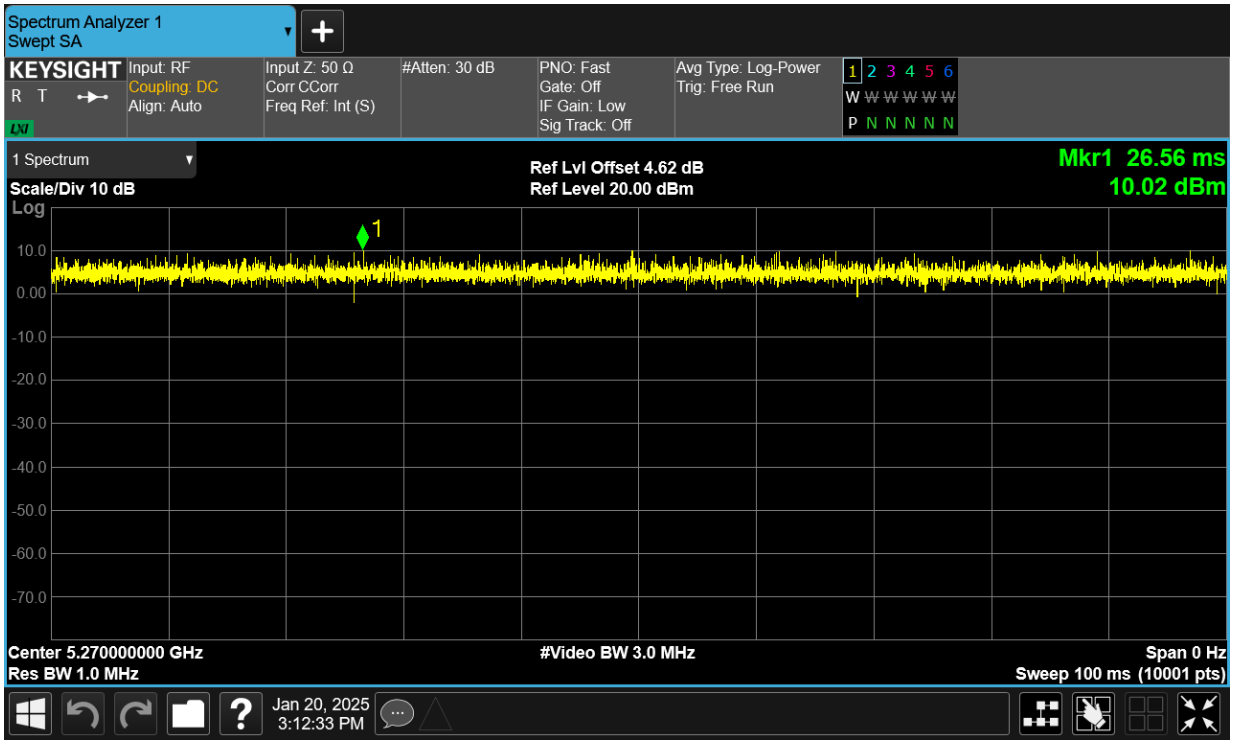
Duty Cycle NVNT ax20 5300MHz Ant0



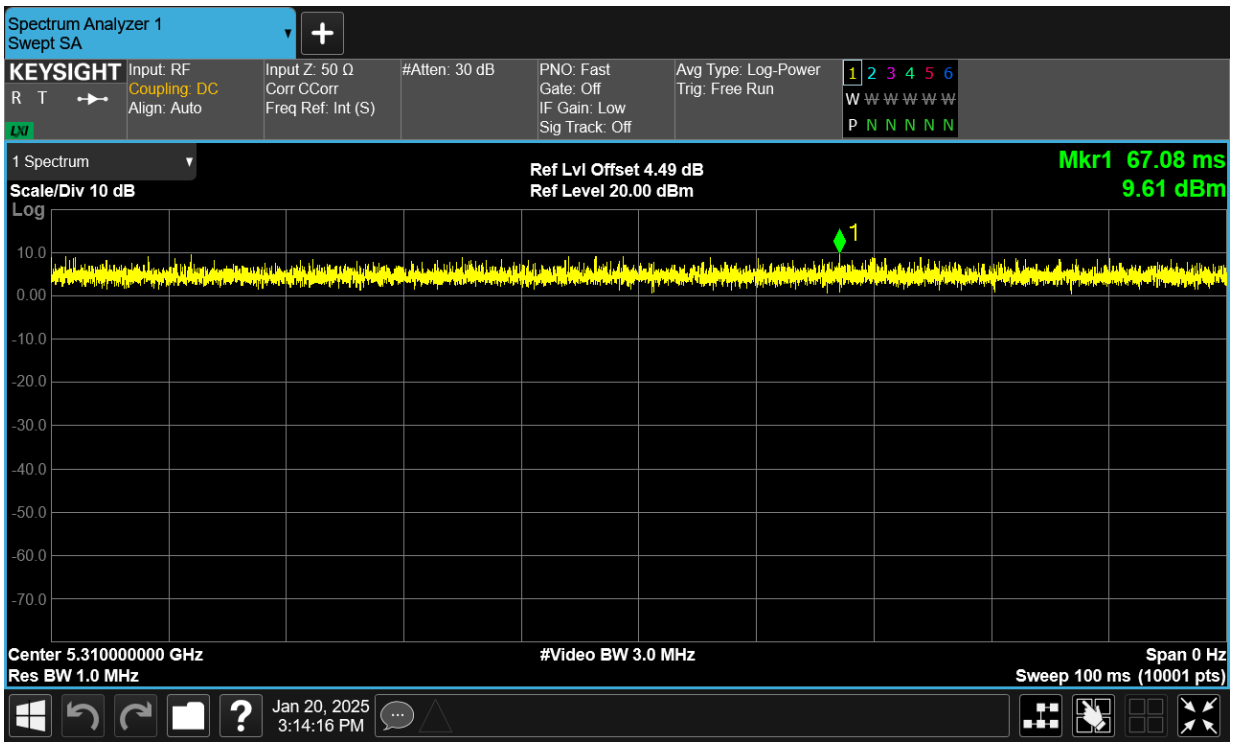
Duty Cycle NVNT ax20 5320MHz Ant0



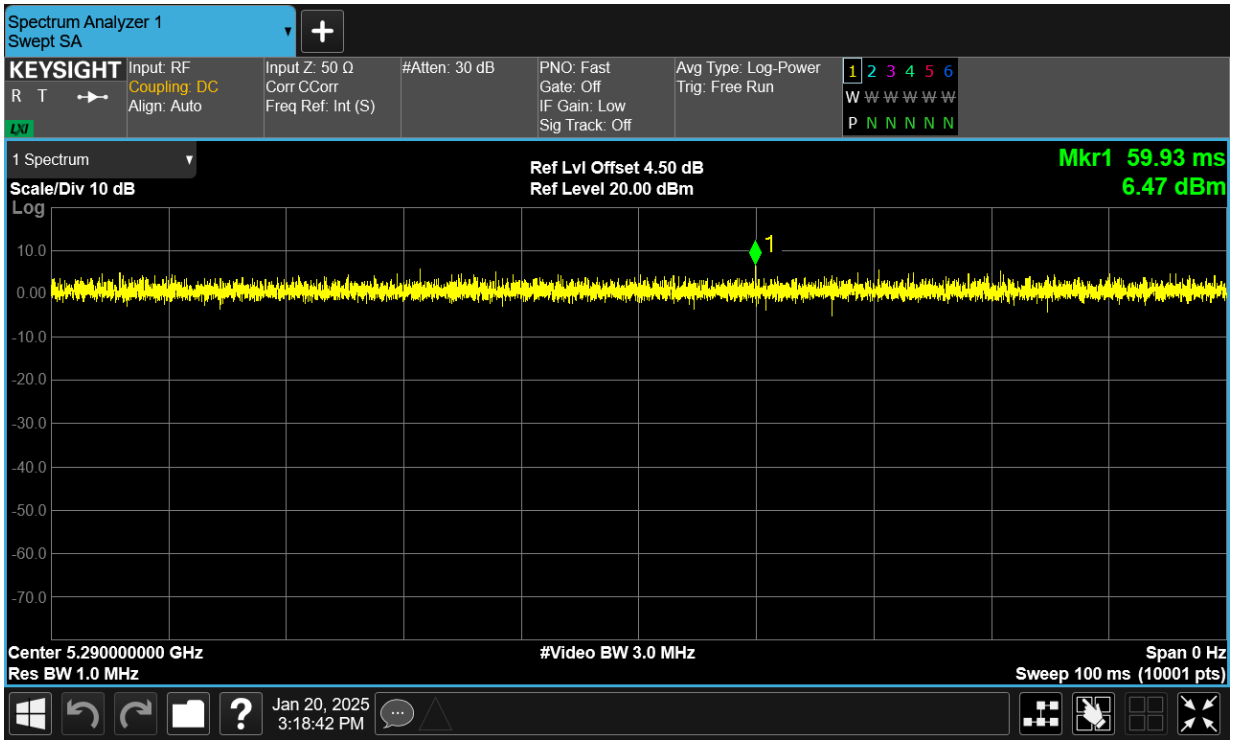
Duty Cycle NVNT ax40 5270MHz Ant0



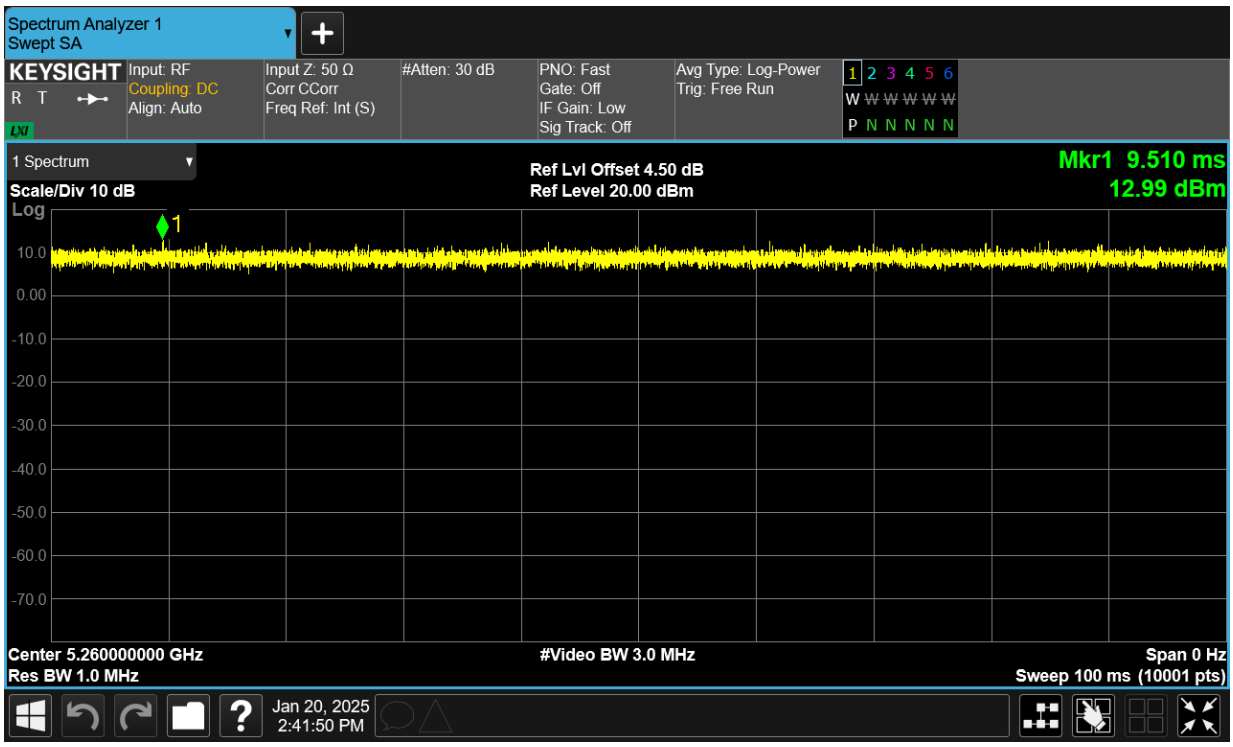
Duty Cycle NVNT ax40 5310MHz Ant0



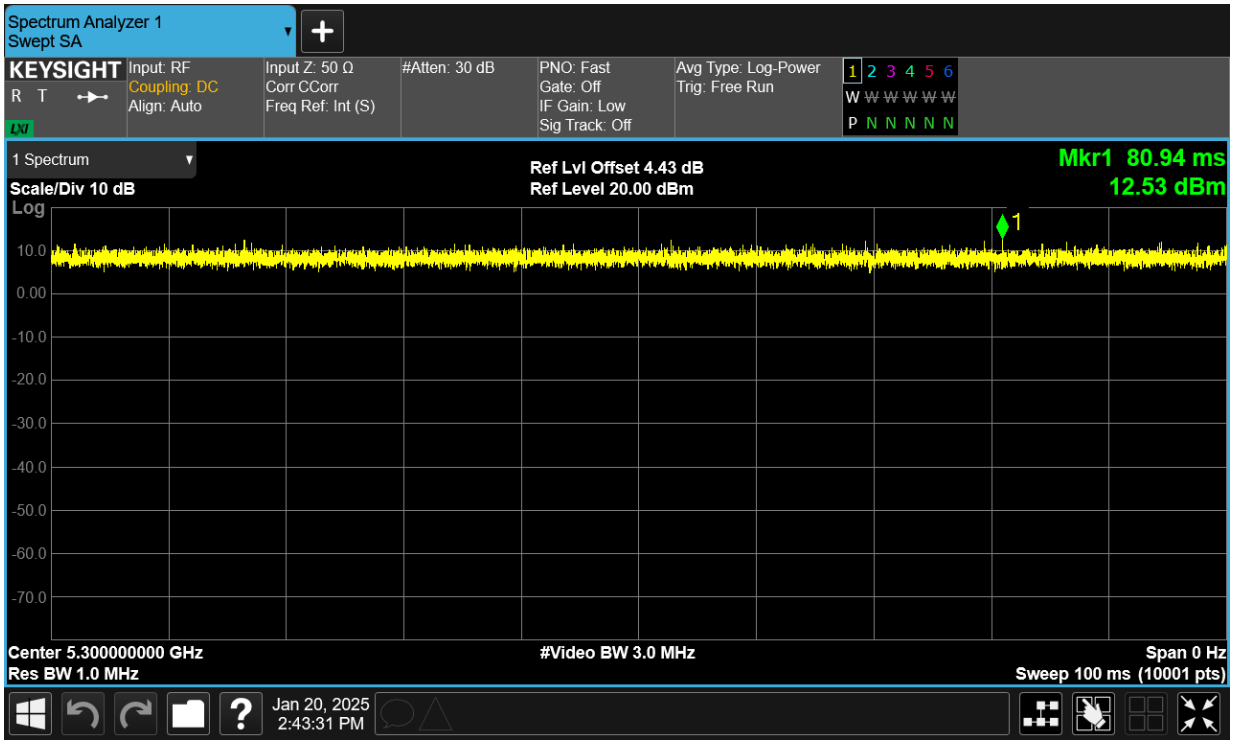
Duty Cycle NVNT ax80 5290MHz Ant0



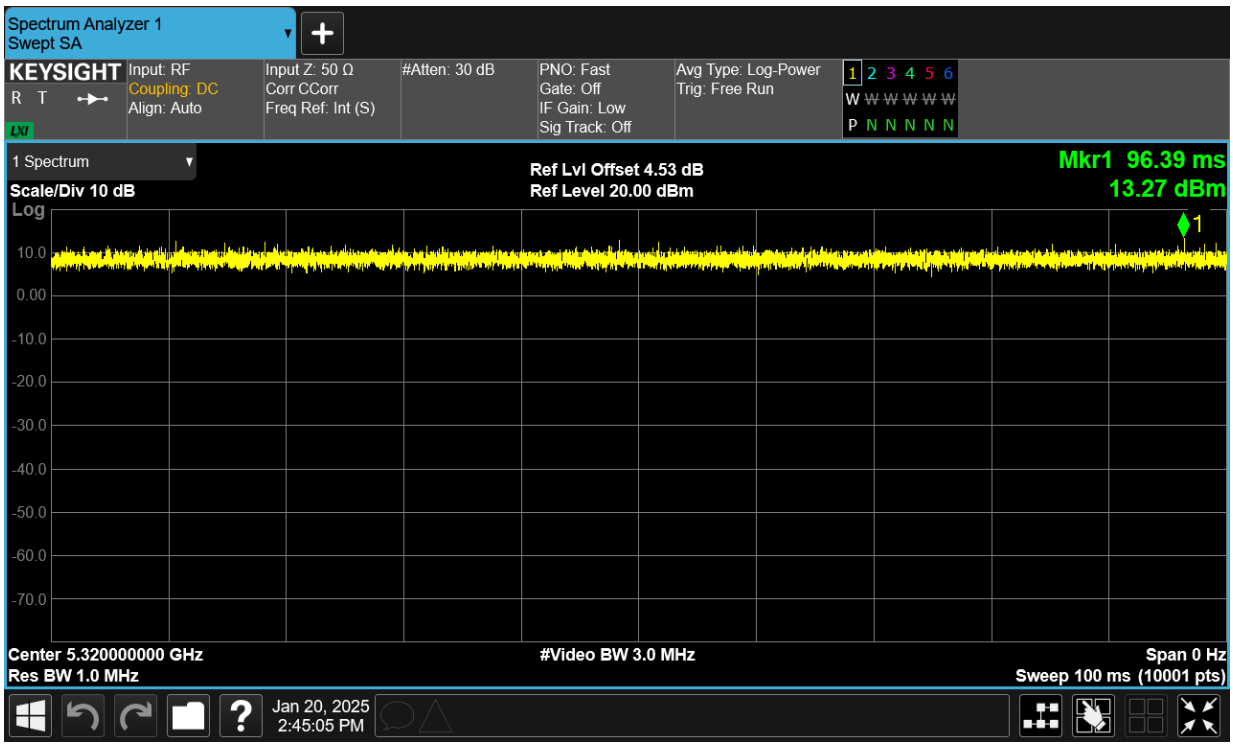
Duty Cycle NVNT n20 5260MHz Ant0



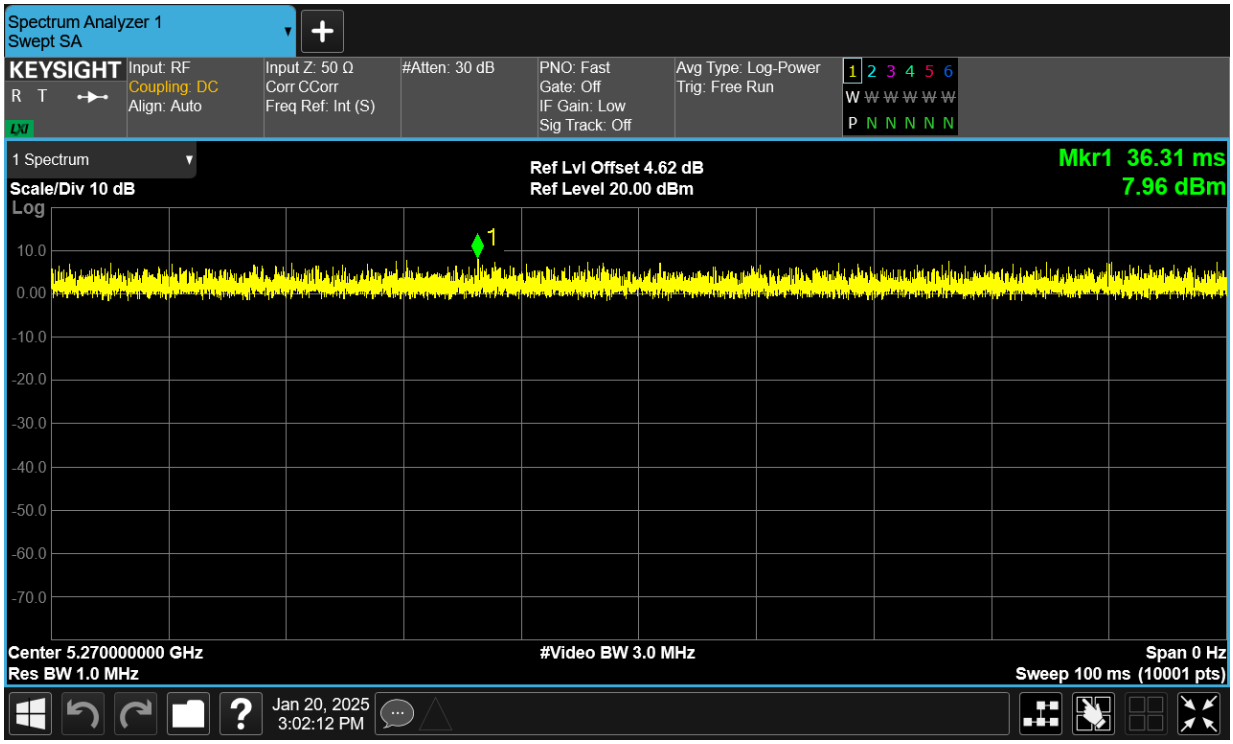
Duty Cycle NVNT n20 5300MHz Ant0



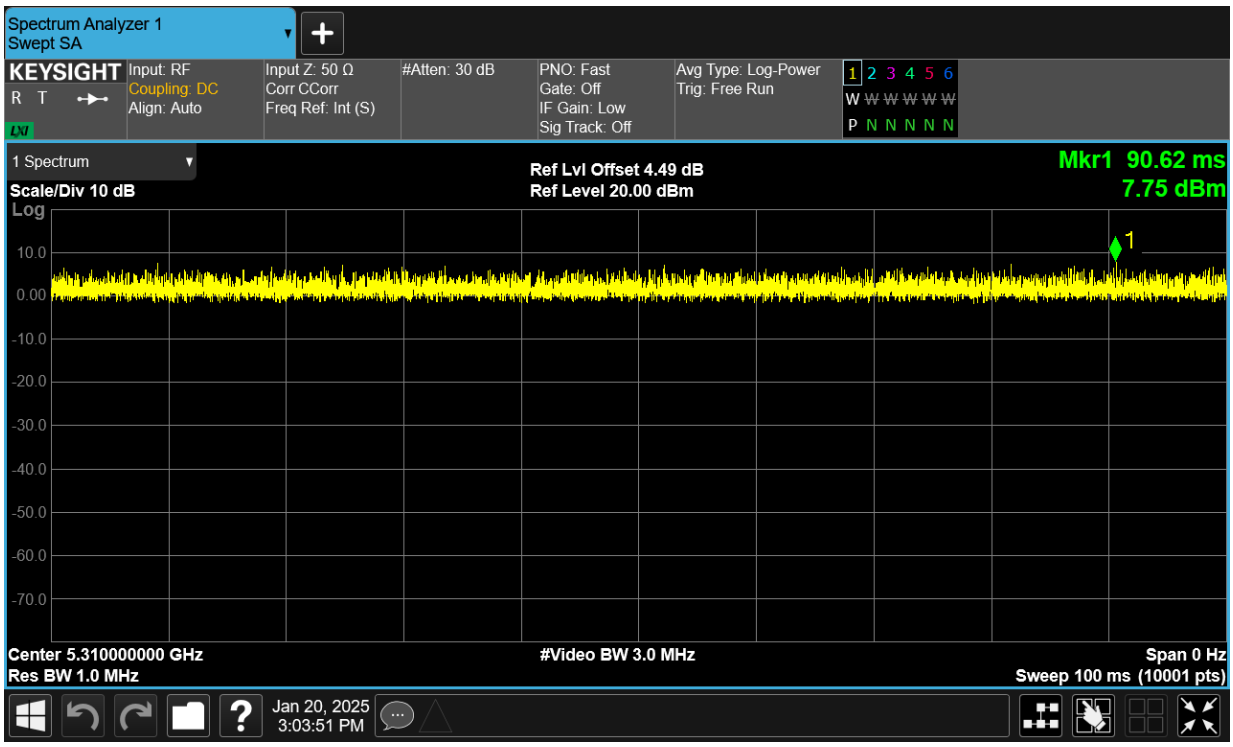
Duty Cycle NVNT n20 5320MHz Ant0



Duty Cycle NVNT n40 5270MHz Ant0



Duty Cycle NVNT n40 5310MHz Ant0



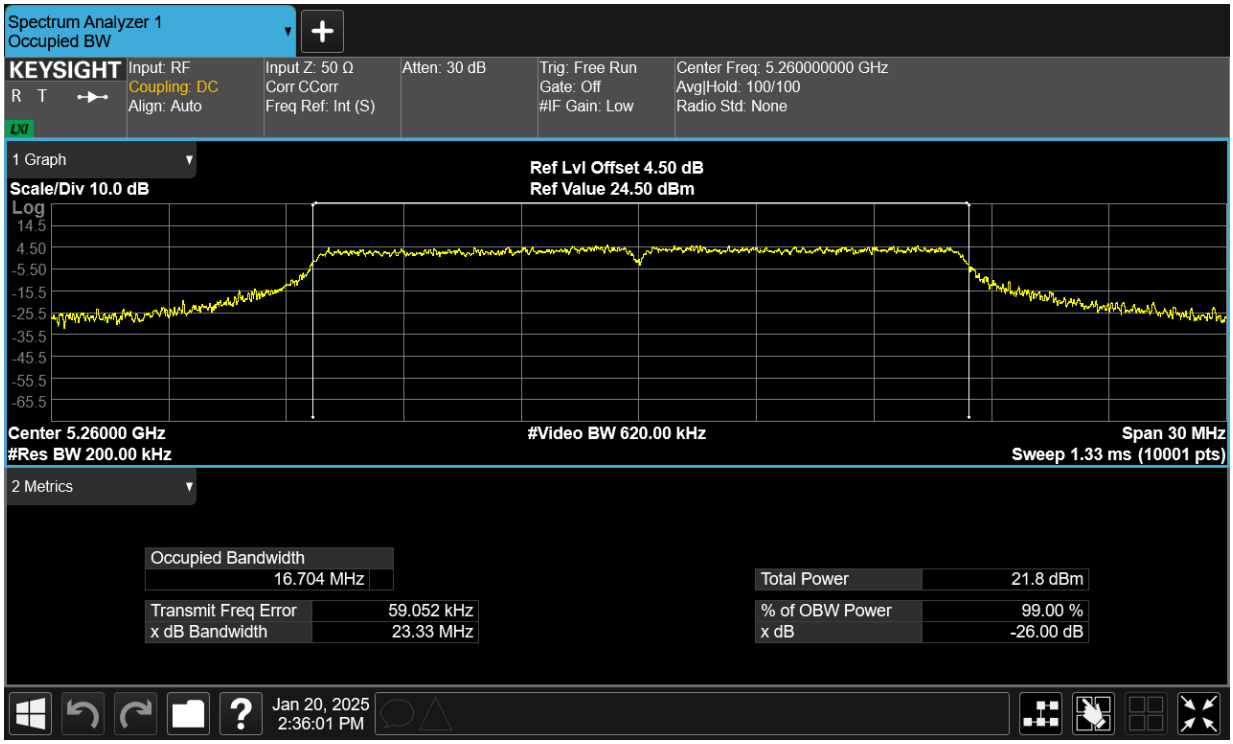
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant0	16	0	16	24	Pass
NVNT	a	5300	Ant0	16.43	0	16.43	24	Pass
NVNT	a	5320	Ant0	16.32	0	16.32	24	Pass
NVNT	ac20	5260	Ant0	15	0	15	24	Pass
NVNT	ac20	5300	Ant0	15.3	0	15.3	24	Pass
NVNT	ac20	5320	Ant0	15.3	0	15.3	24	Pass
NVNT	ac40	5270	Ant0	14.7	0	14.7	24	Pass
NVNT	ac40	5310	Ant0	15.26	0	15.26	24	Pass
NVNT	ac80	5290	Ant0	14.25	0	14.25	24	Pass
NVNT	ax20	5260	Ant0	14.25	0	14.25	24	Pass
NVNT	ax20	5300	Ant0	14.71	0	14.71	24	Pass
NVNT	ax20	5320	Ant0	14.55	0	14.55	24	Pass
NVNT	ax40	5270	Ant0	14.45	0	14.45	24	Pass
NVNT	ax40	5310	Ant0	15.05	0	15.05	24	Pass
NVNT	ax80	5290	Ant0	14.11	0	14.11	24	Pass
NVNT	n20	5260	Ant0	15.53	0	15.53	24	Pass
NVNT	n20	5300	Ant0	15.89	0	15.89	24	Pass
NVNT	n20	5320	Ant0	15.79	0	15.79	24	Pass
NVNT	n40	5270	Ant0	14.79	0	14.79	24	Pass
NVNT	n40	5310	Ant0	15.3	0	15.3	24	Pass

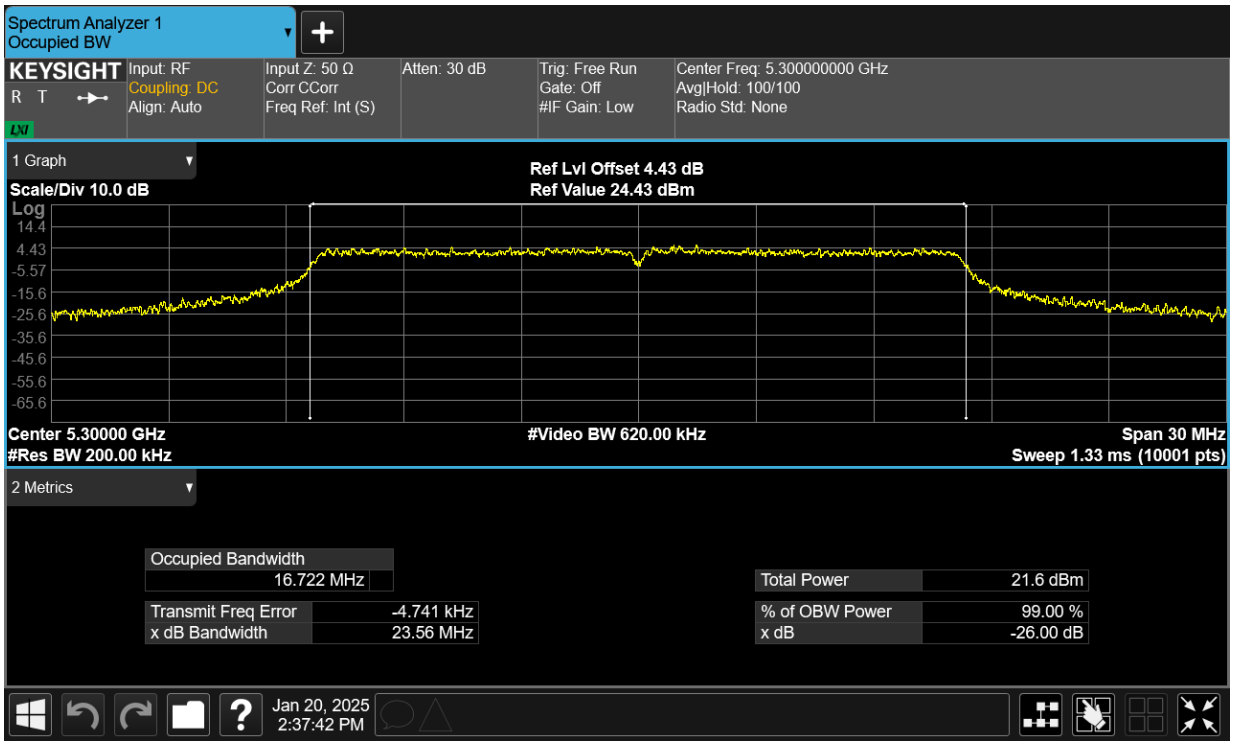
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5260	Ant0	16.704
NVNT	a	5300	Ant0	16.722
NVNT	a	5320	Ant0	16.702
NVNT	ac20	5260	Ant0	17.866
NVNT	ac20	5300	Ant0	17.93
NVNT	ac20	5320	Ant0	17.919
NVNT	ac40	5270	Ant0	36.164
NVNT	ac40	5310	Ant0	36.239
NVNT	ac80	5290	Ant0	75.525
NVNT	ax20	5260	Ant0	19.077
NVNT	ax20	5300	Ant0	19.116
NVNT	ax20	5320	Ant0	19.074
NVNT	ax40	5270	Ant0	37.669
NVNT	ax40	5310	Ant0	37.671
NVNT	ax80	5290	Ant0	77.235
NVNT	n20	5260	Ant0	17.876
NVNT	n20	5300	Ant0	17.923
NVNT	n20	5320	Ant0	17.938
NVNT	n40	5270	Ant0	36.212
NVNT	n40	5310	Ant0	36.265

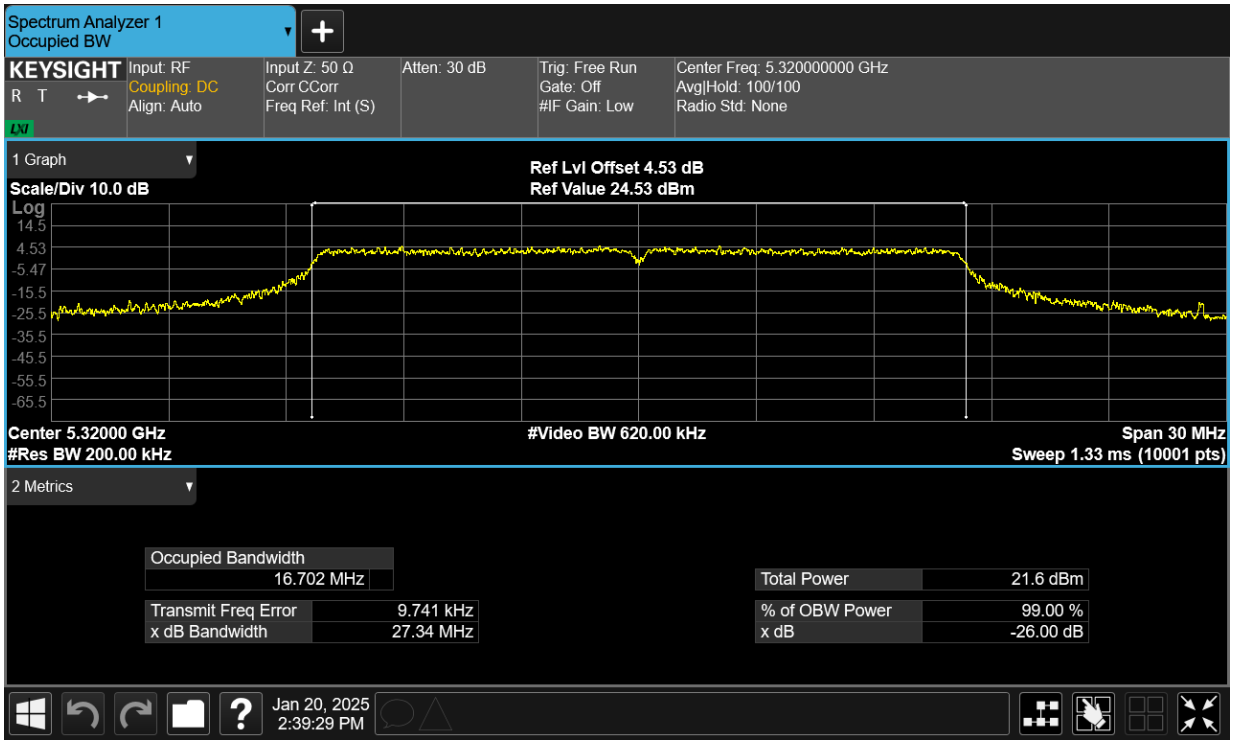
Test Graphs
OBW NVNT a 5260MHz Ant0



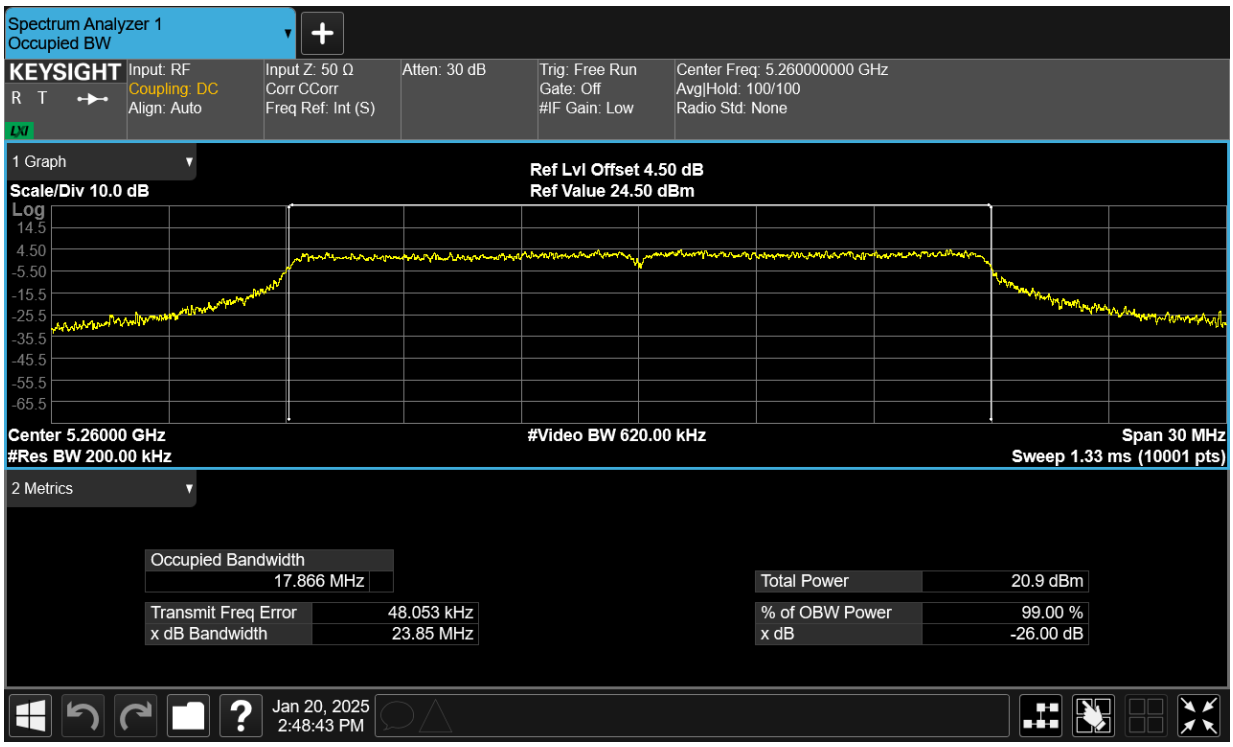
OBW NVNT a 5300MHz Ant0



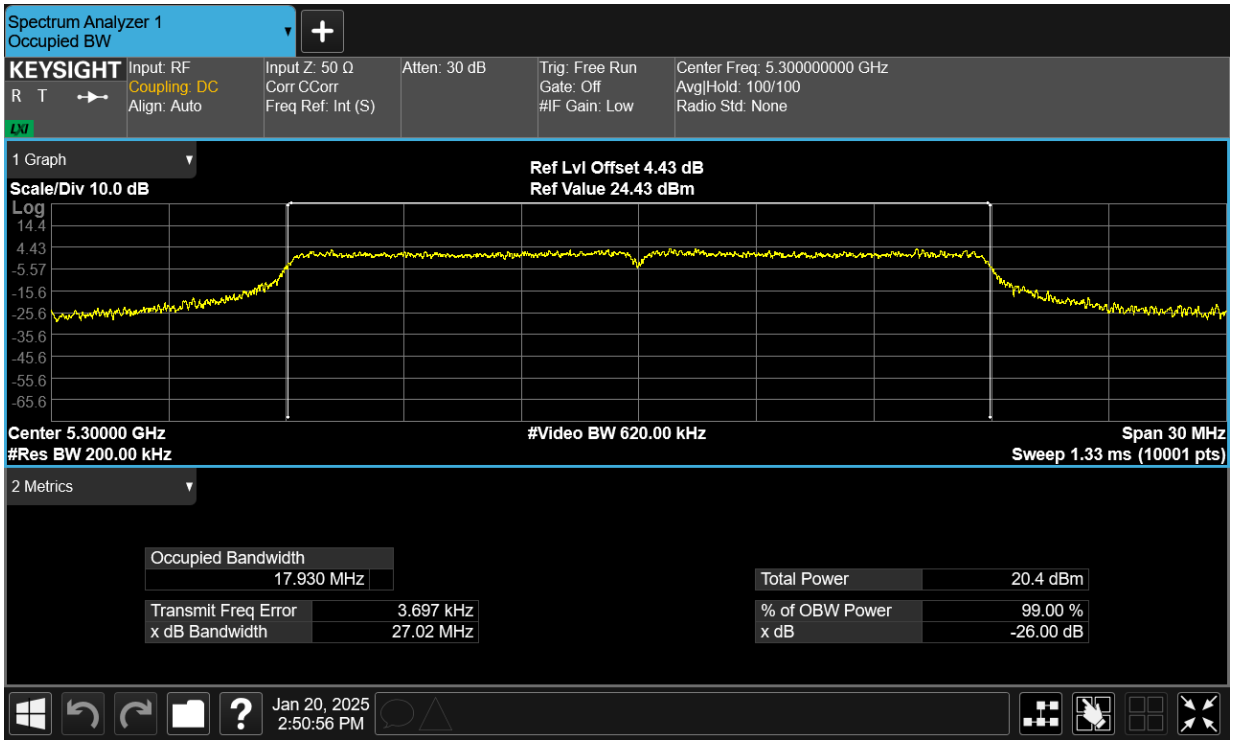
OBW NVNT a 5320MHz Ant0



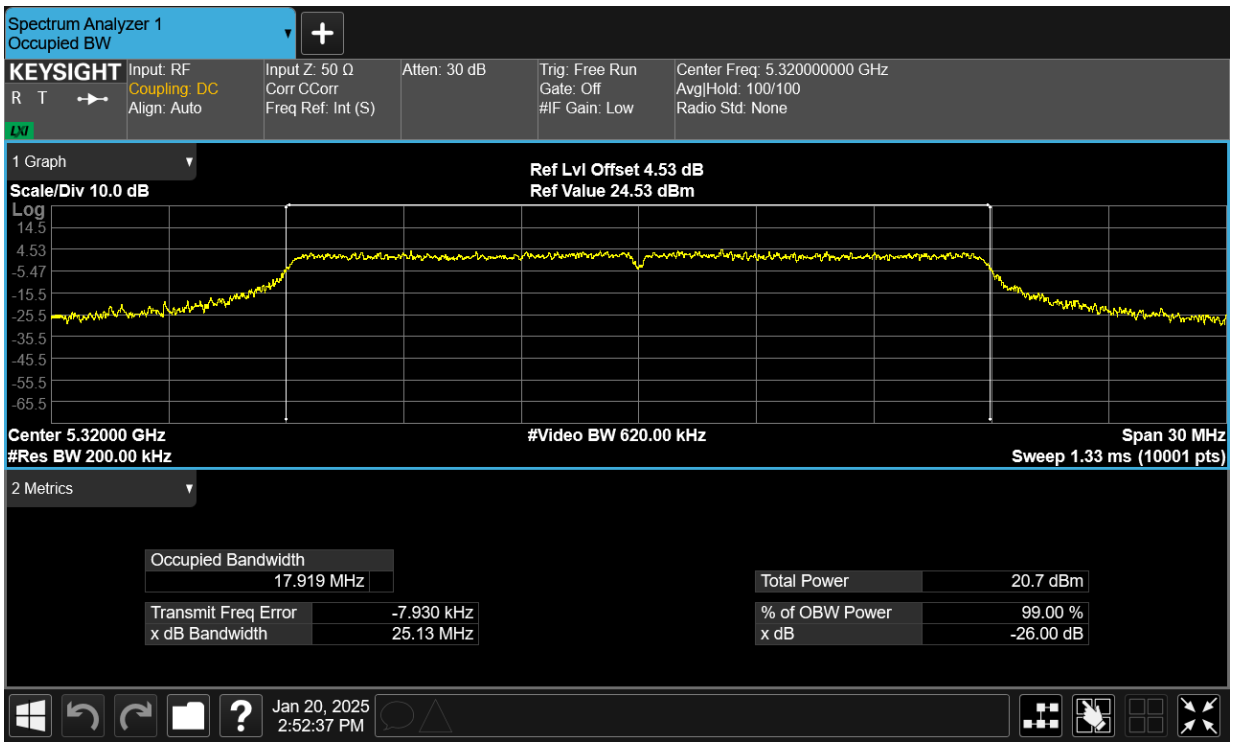
OBW NVNT ac20 5260MHz Ant0



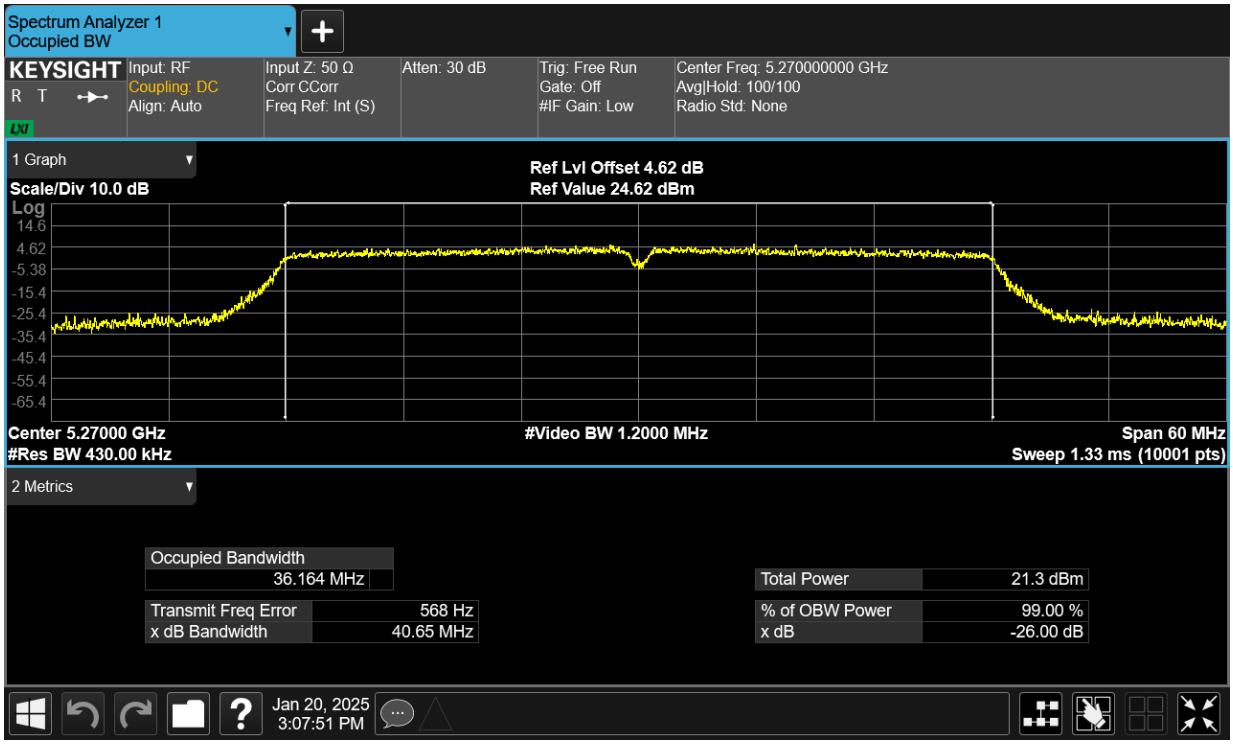
OBW NVNT ac20 5300MHz Ant0



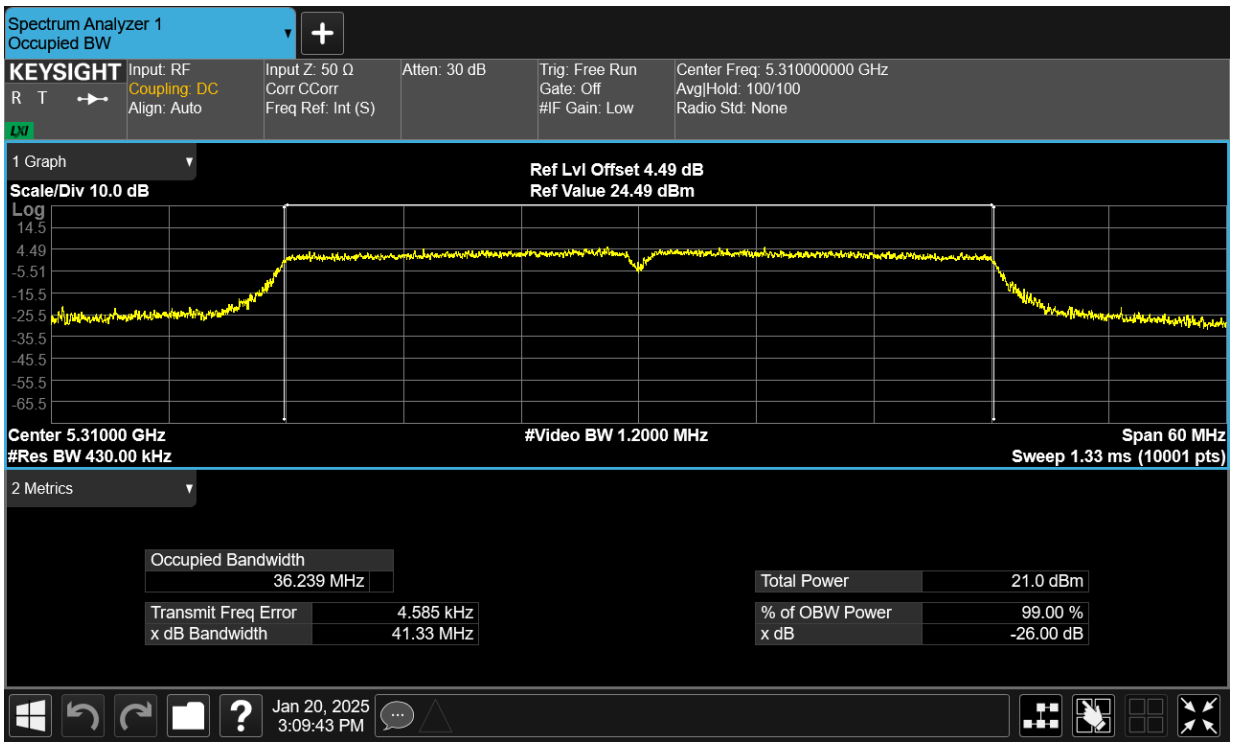
OBW NVNT ac20 5320MHz Ant0



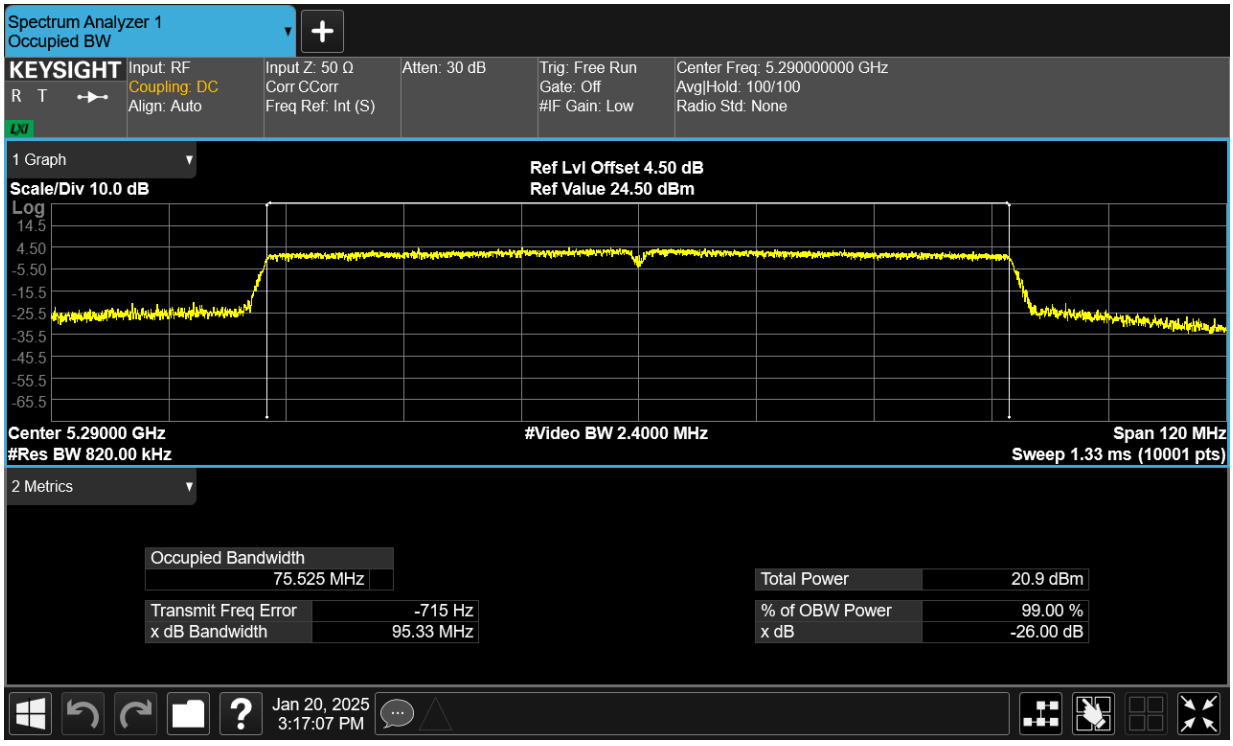
OBW NVNT ac40 5270MHz Ant0



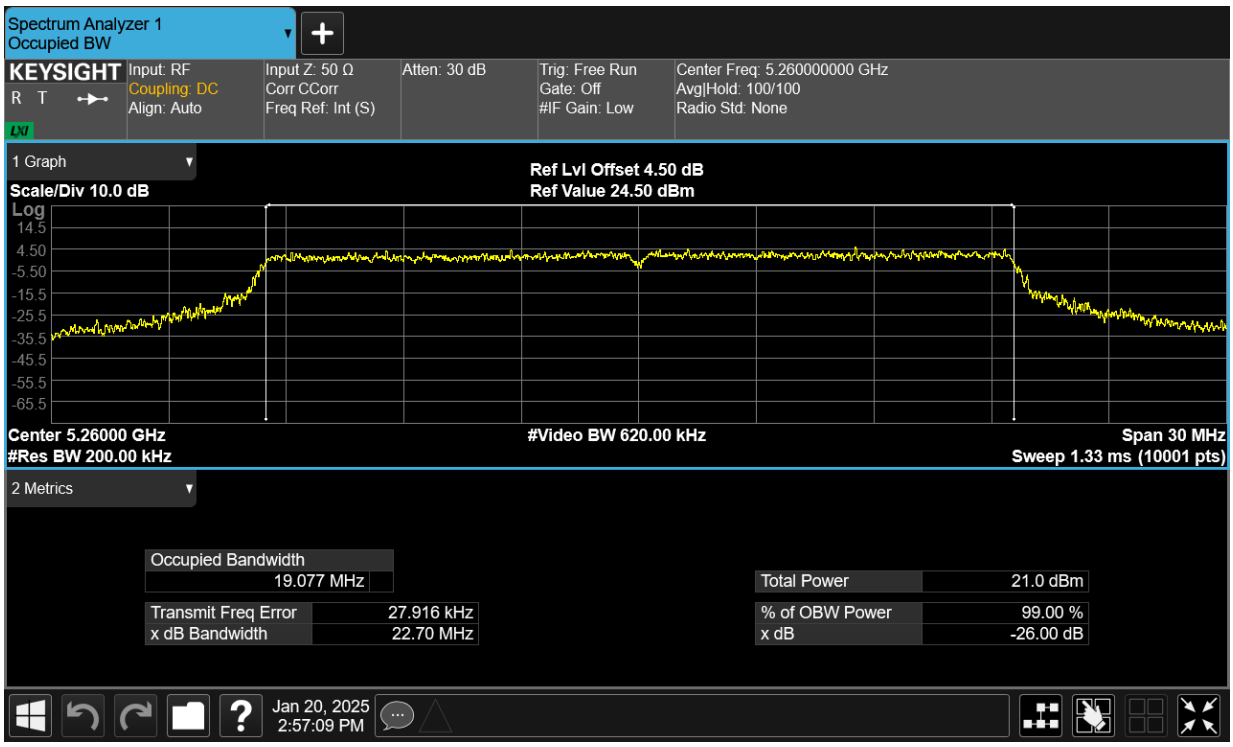
OBW NVNT ac40 5310MHz Ant0



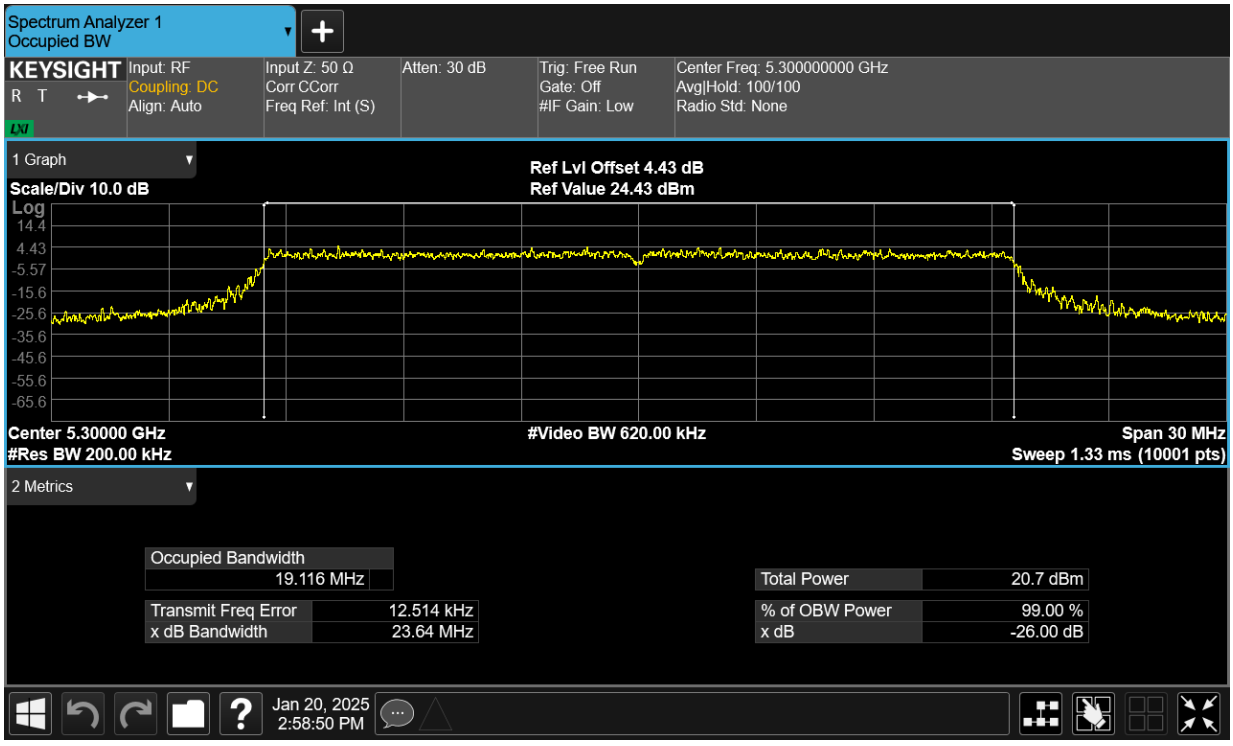
OBW NVNT ac80 5290MHz Ant0



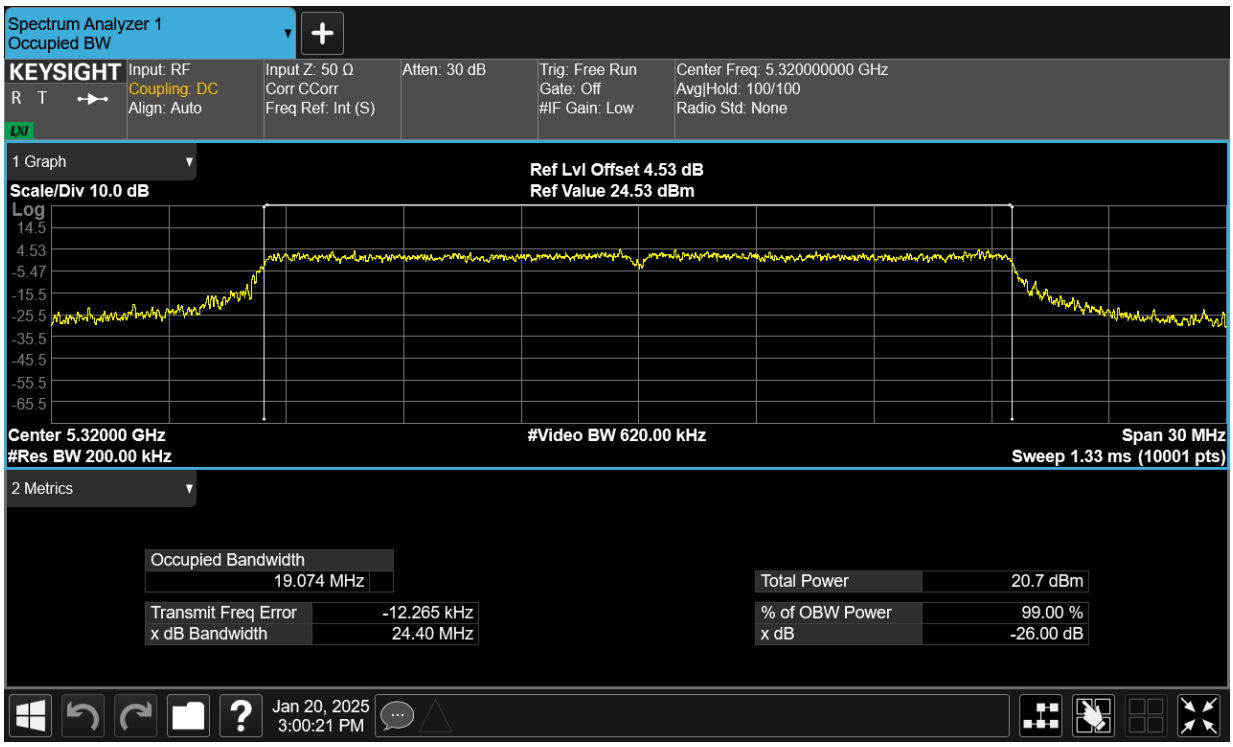
OBW NVNT ax20 5260MHz Ant0



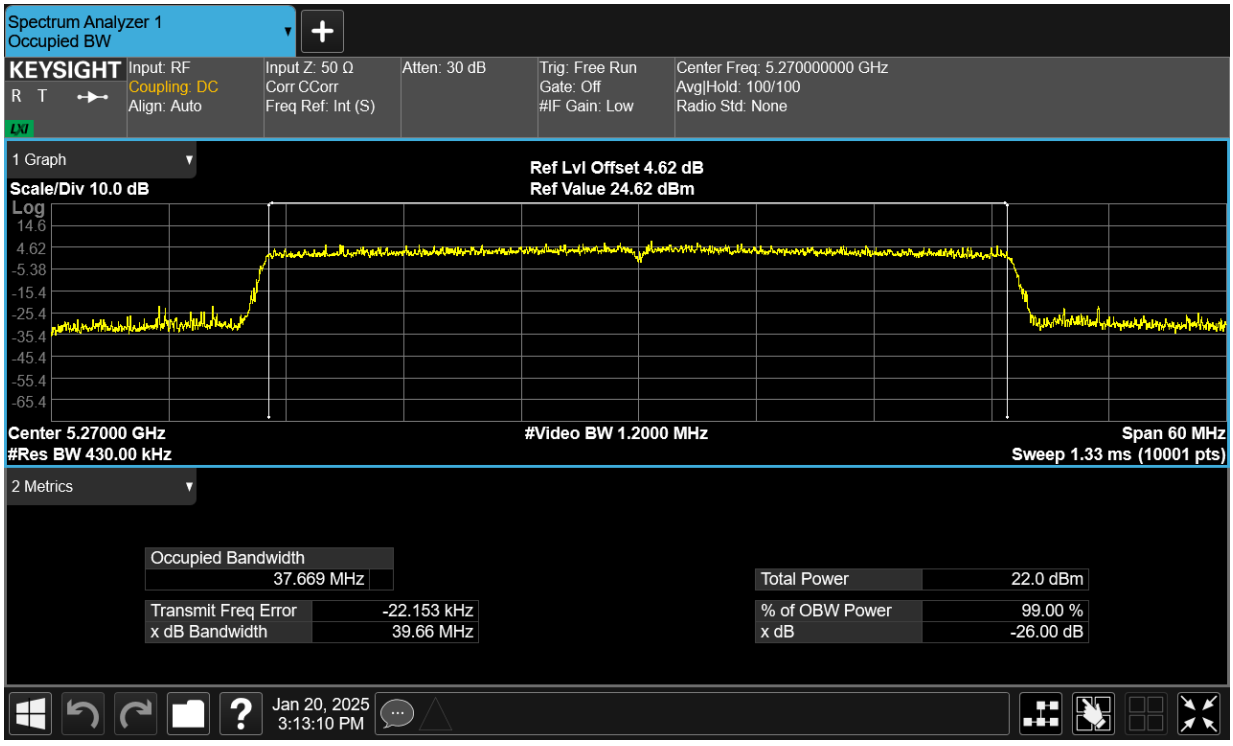
OBW NVNT ax20 5300MHz Ant0



OBW NVNT ax20 5320MHz Ant0



OBW NVNT ax40 5270MHz Ant0



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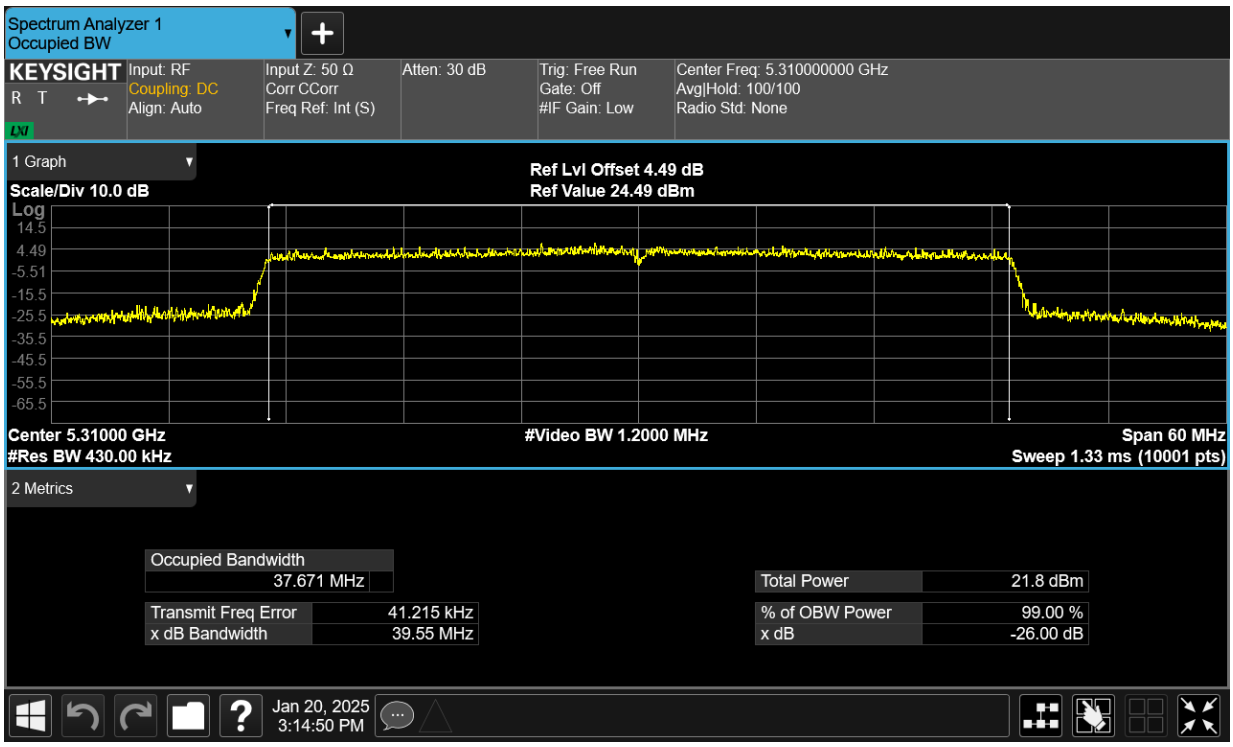
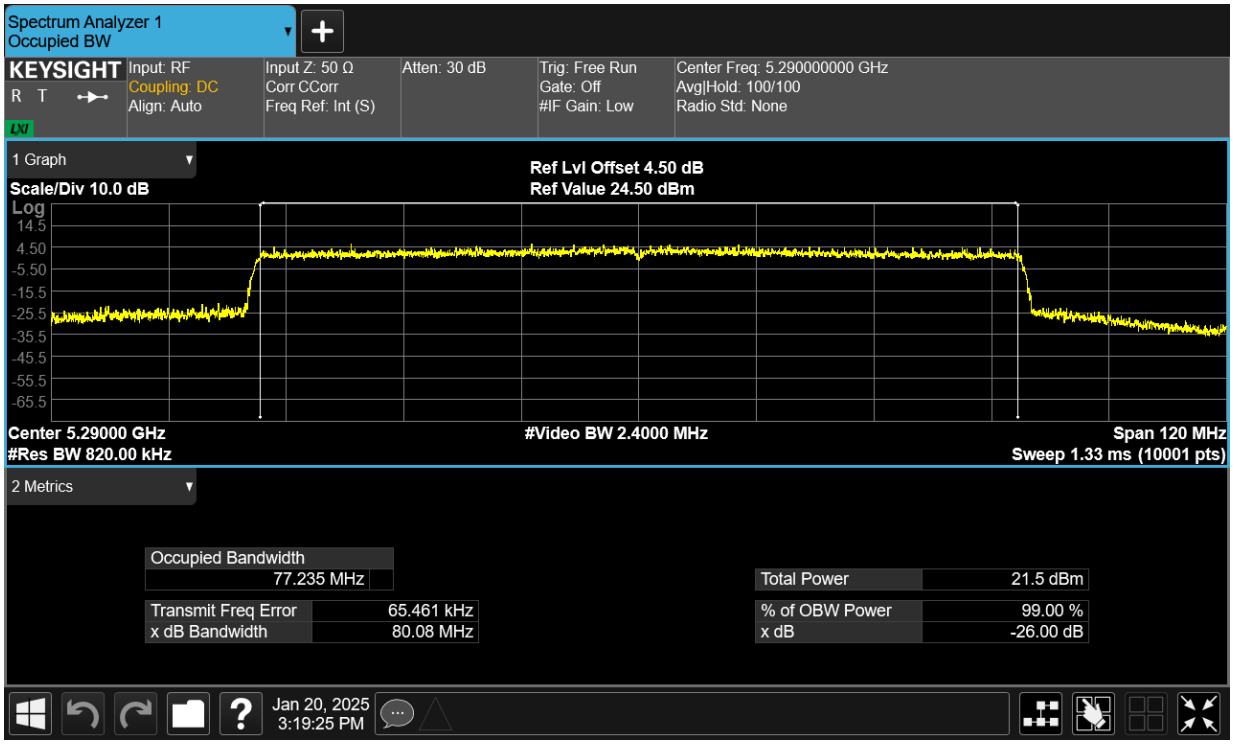
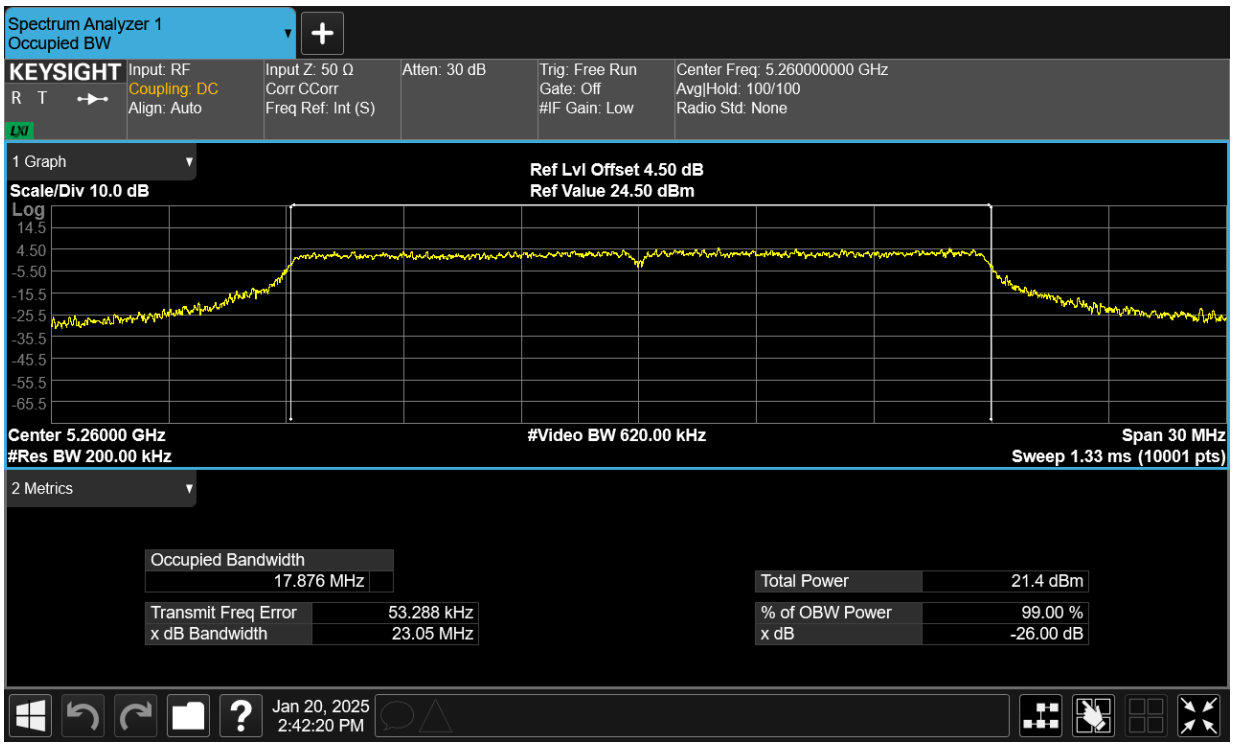


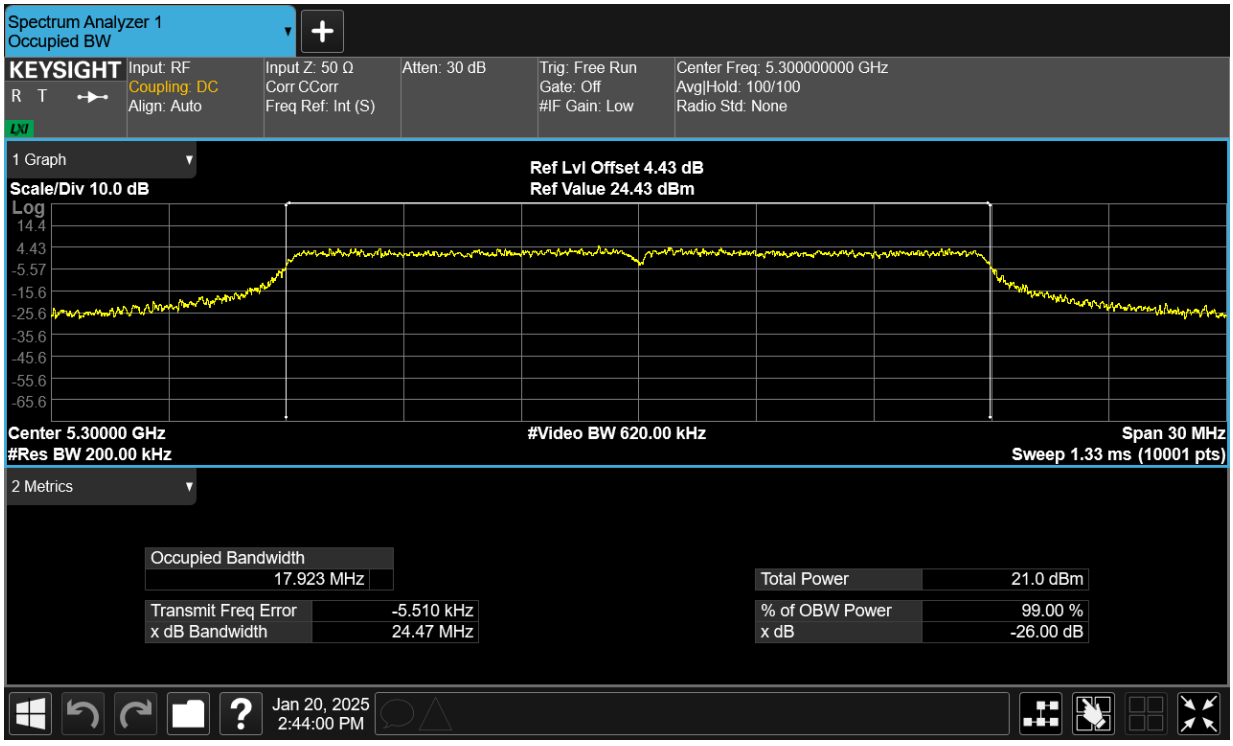
OBW NVNT ax80 5290MHz Ant0



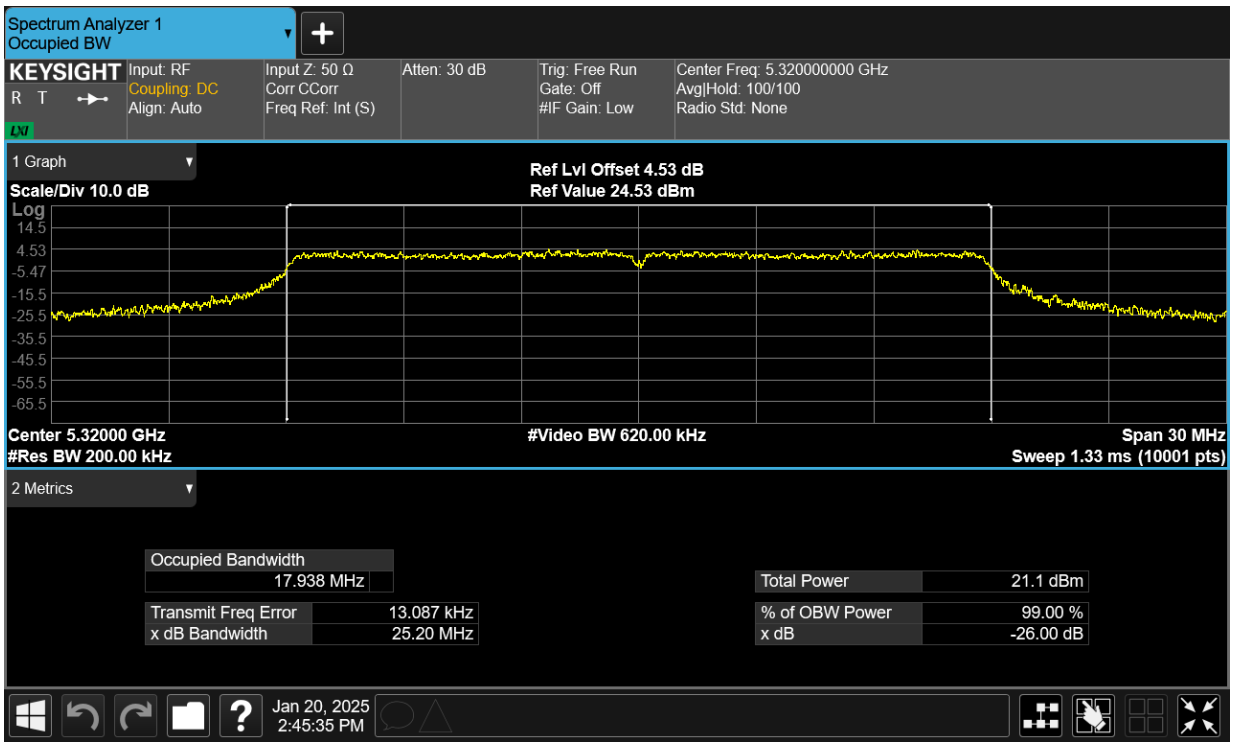
OBW NVNT n20 5260MHz Ant0



OBW NVNT n20 5300MHz Ant0



OBW NVNT n20 5320MHz Ant0



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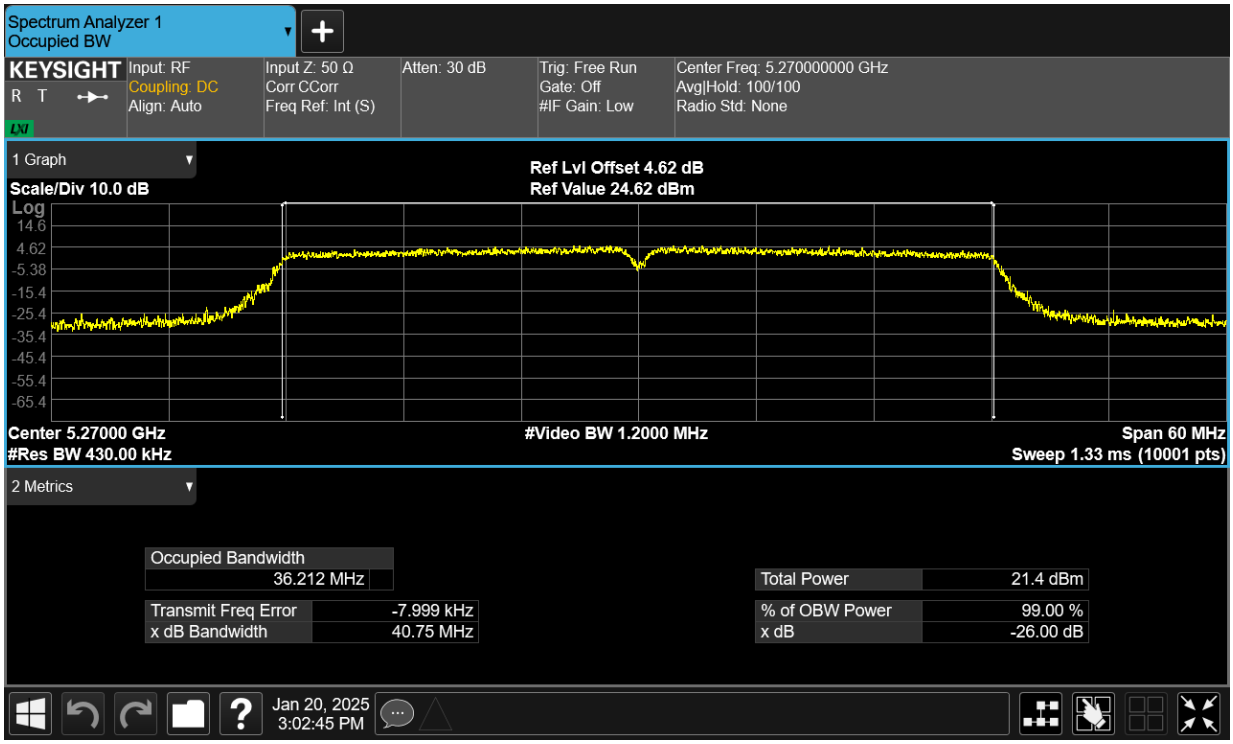
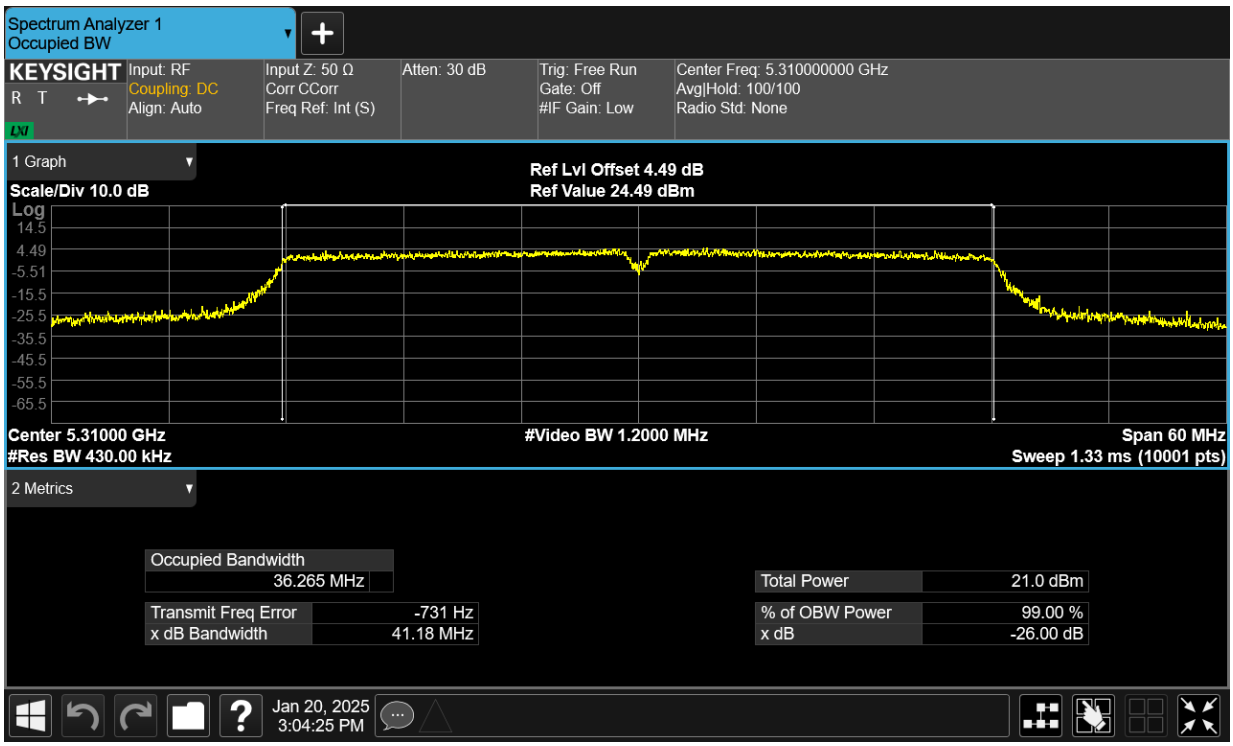


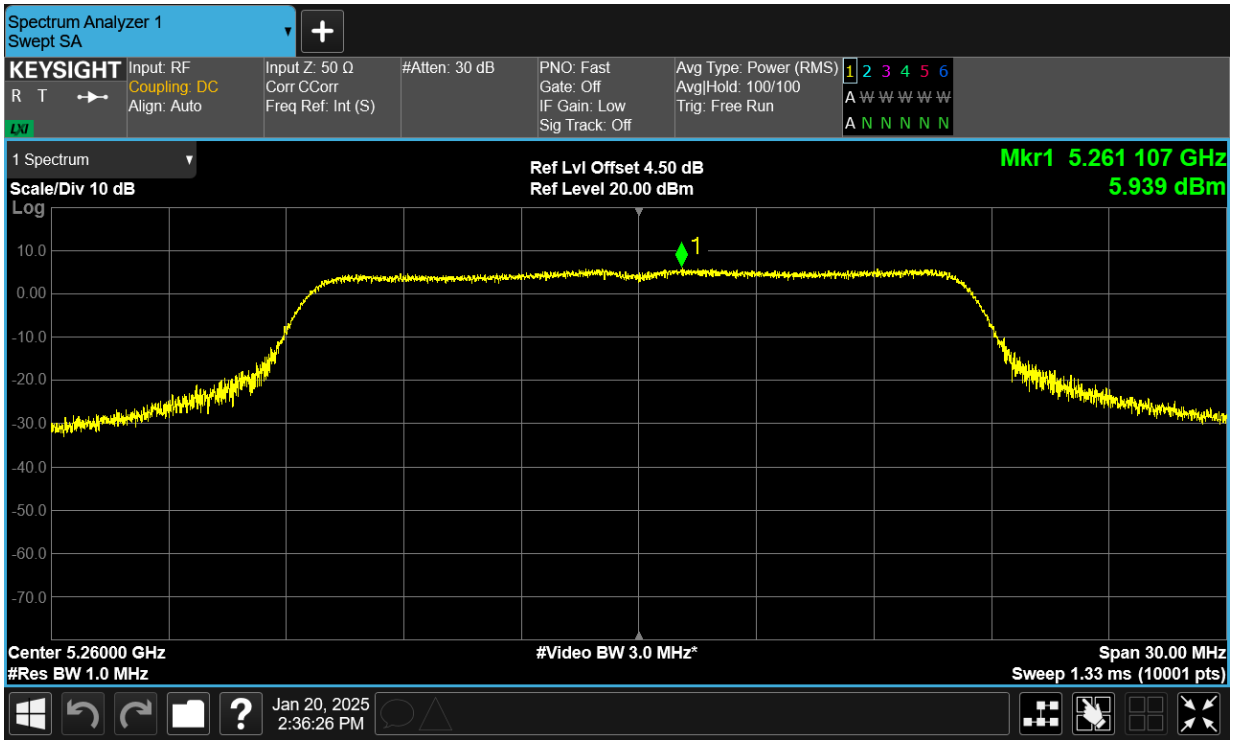
OBW NVNT n40 5310MHz Ant0



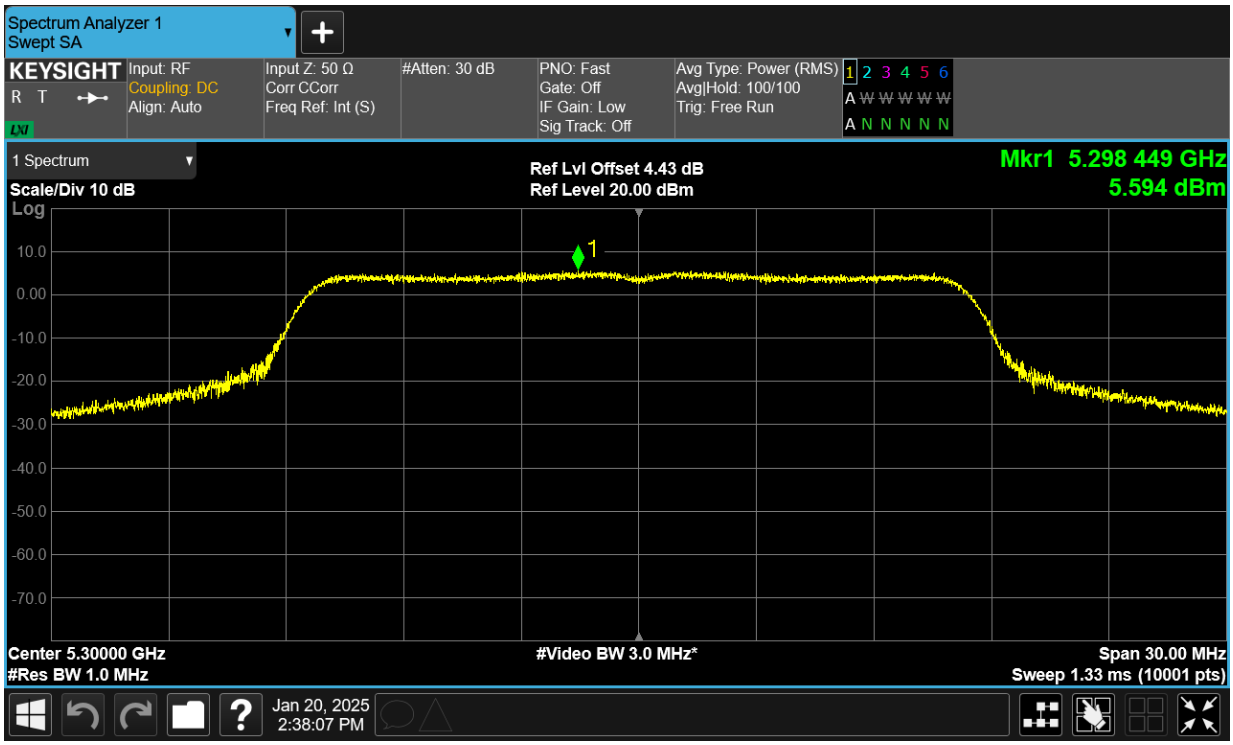
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant0	5.939	11	Pass
NVNT	a	5300	Ant0	5.594	11	Pass
NVNT	a	5320	Ant0	6.006	11	Pass
NVNT	ac20	5260	Ant0	5.036	11	Pass
NVNT	ac20	5300	Ant0	4.132	11	Pass
NVNT	ac20	5320	Ant0	4.283	11	Pass
NVNT	ac40	5270	Ant0	2.587	11	Pass
NVNT	ac40	5310	Ant0	2.392	11	Pass
NVNT	ac80	5290	Ant0	-1.865	11	Pass
NVNT	ax20	5260	Ant0	3.886	11	Pass
NVNT	ax20	5300	Ant0	3.181	11	Pass
NVNT	ax20	5320	Ant0	3.483	11	Pass
NVNT	ax40	5270	Ant0	2.256	11	Pass
NVNT	ax40	5310	Ant0	1.566	11	Pass
NVNT	ax80	5290	Ant0	-1.892	11	Pass
NVNT	n20	5260	Ant0	5.448	11	Pass
NVNT	n20	5300	Ant0	4.682	11	Pass
NVNT	n20	5320	Ant0	4.958	11	Pass
NVNT	n40	5270	Ant0	2.378	11	Pass
NVNT	n40	5310	Ant0	2.304	11	Pass

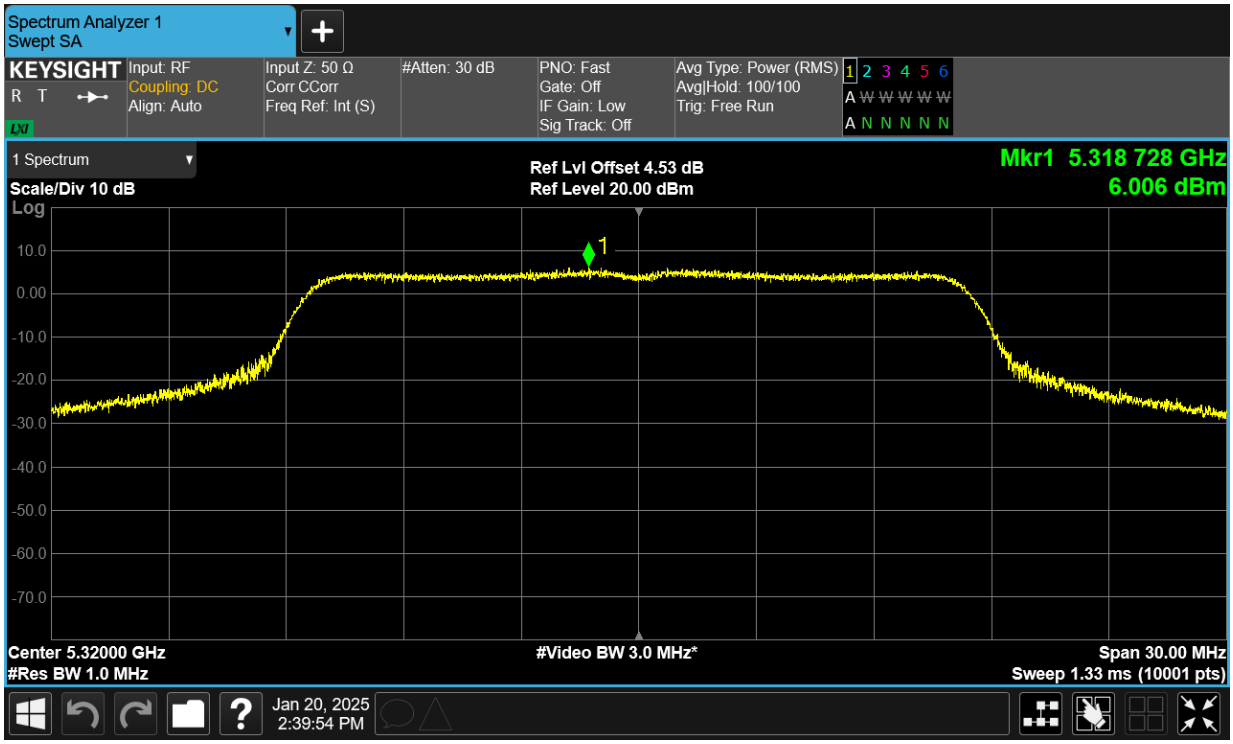
Test Graphs
PSD NVNT a 5260MHz Ant0



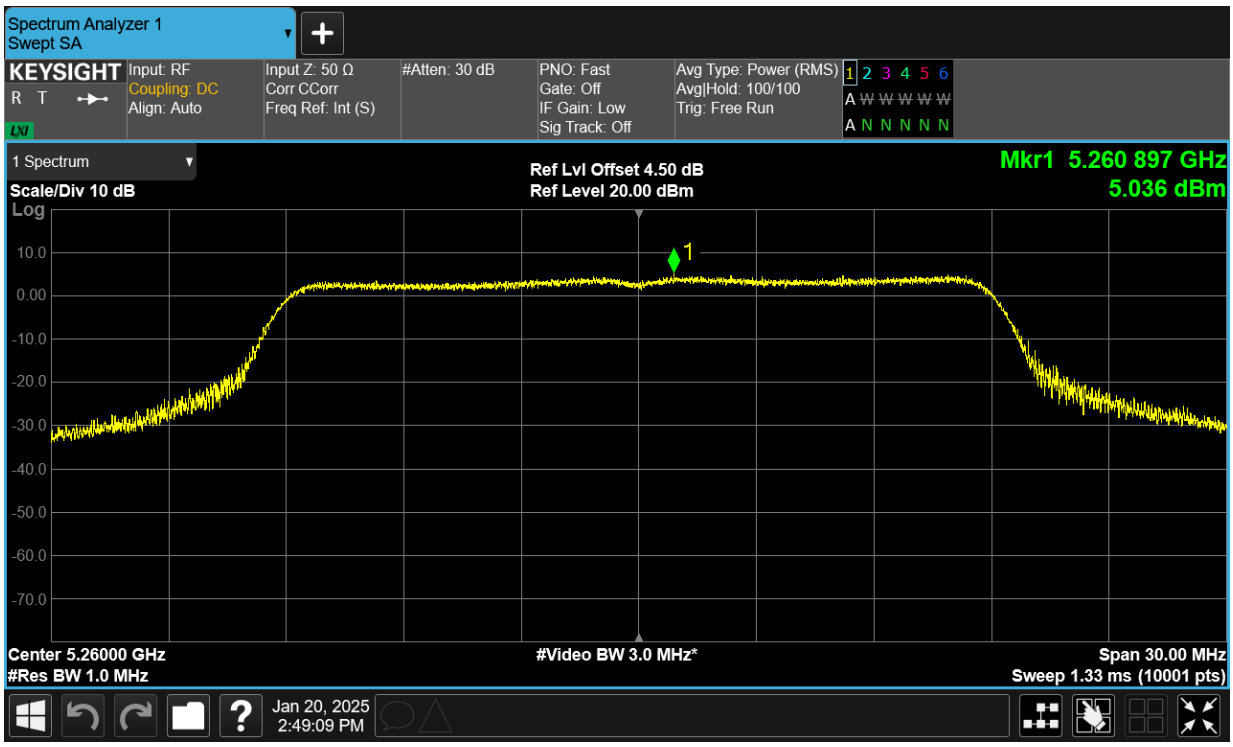
PSD NVNT a 5300MHz Ant0



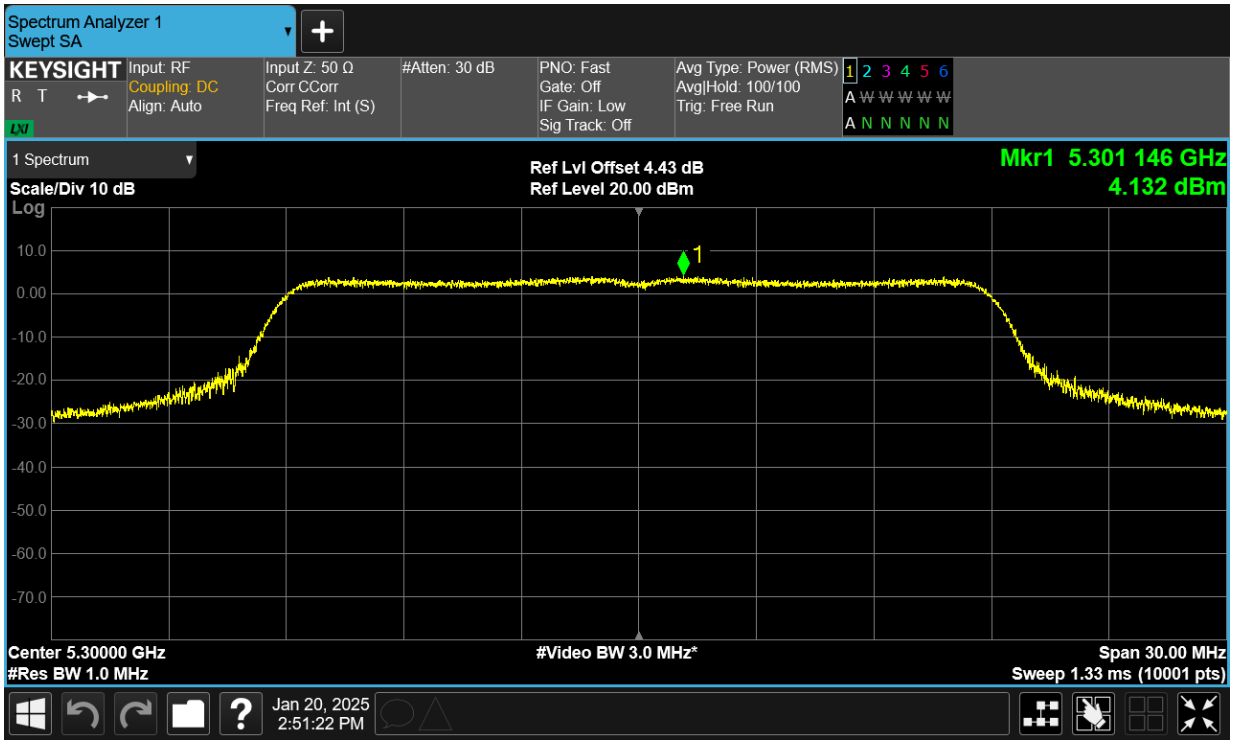
PSD NVNT a 5320MHz Ant0



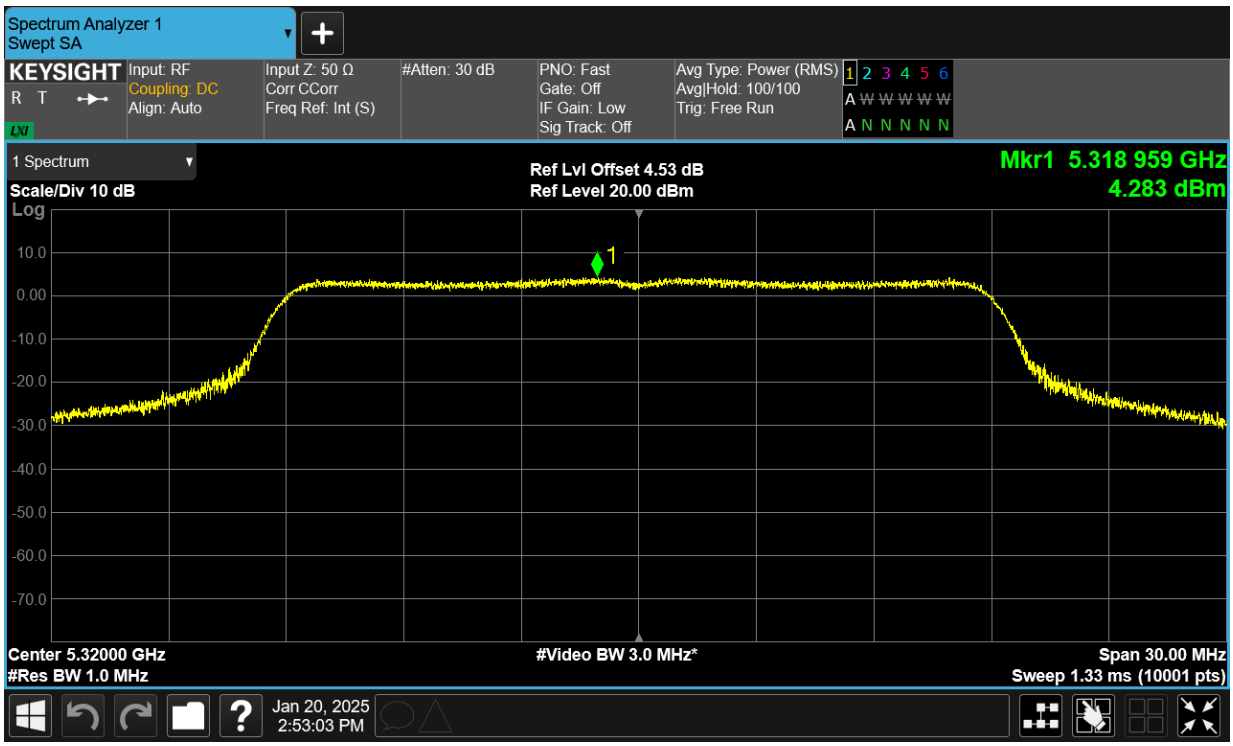
PSD NVNT ac20 5260MHz Ant0



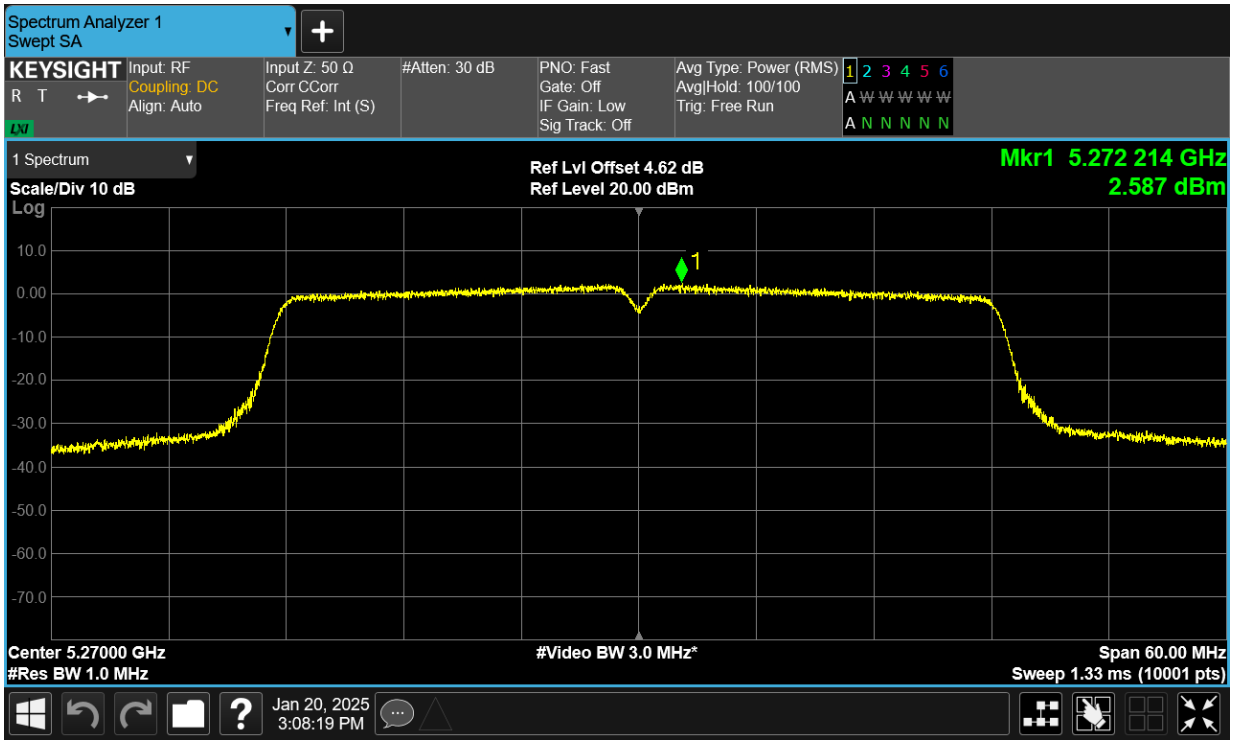
PSD NVNT ac20 5300MHz Ant0



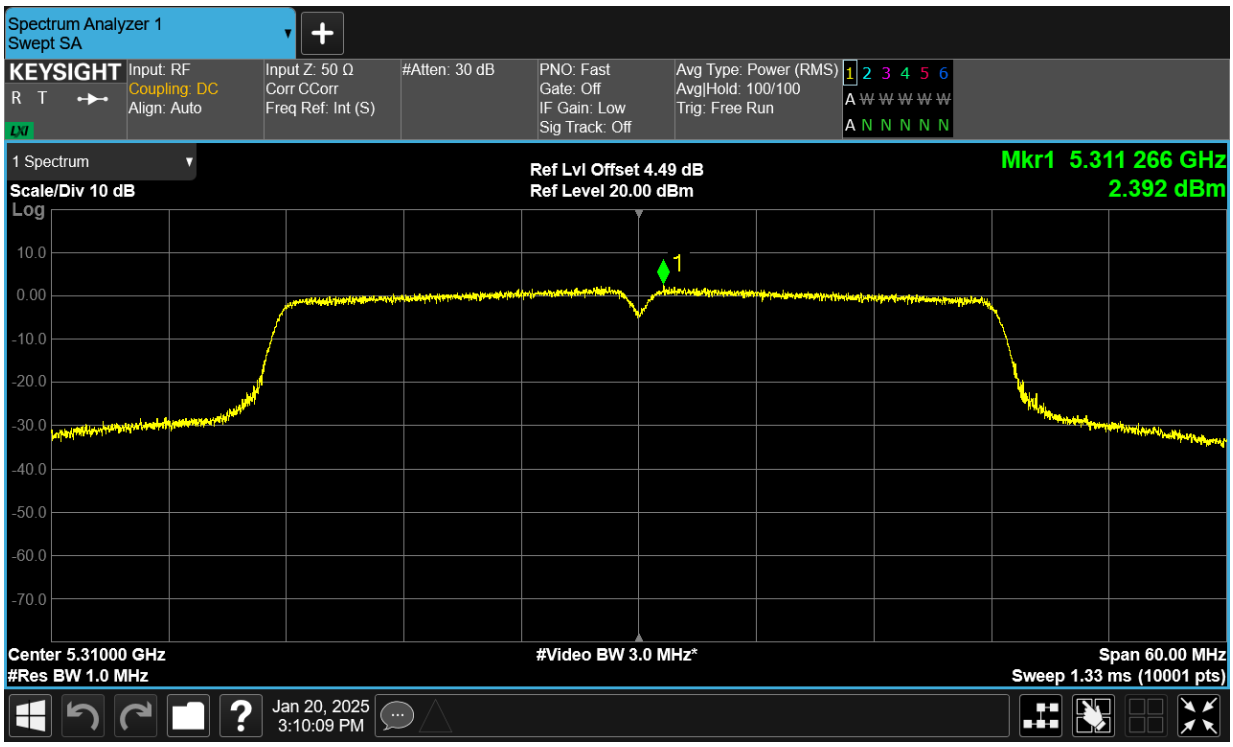
PSD NVNT ac20 5320MHz Ant0



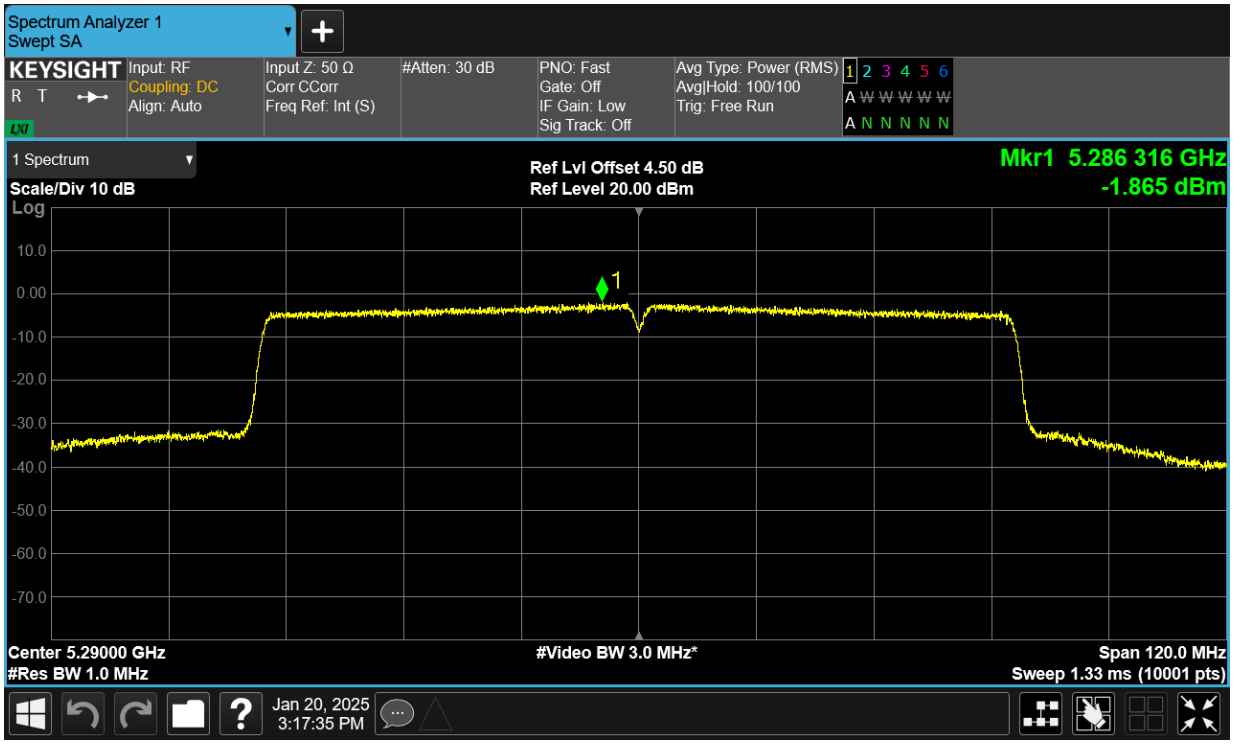
PSD NVNT ac40 5270MHz Ant0



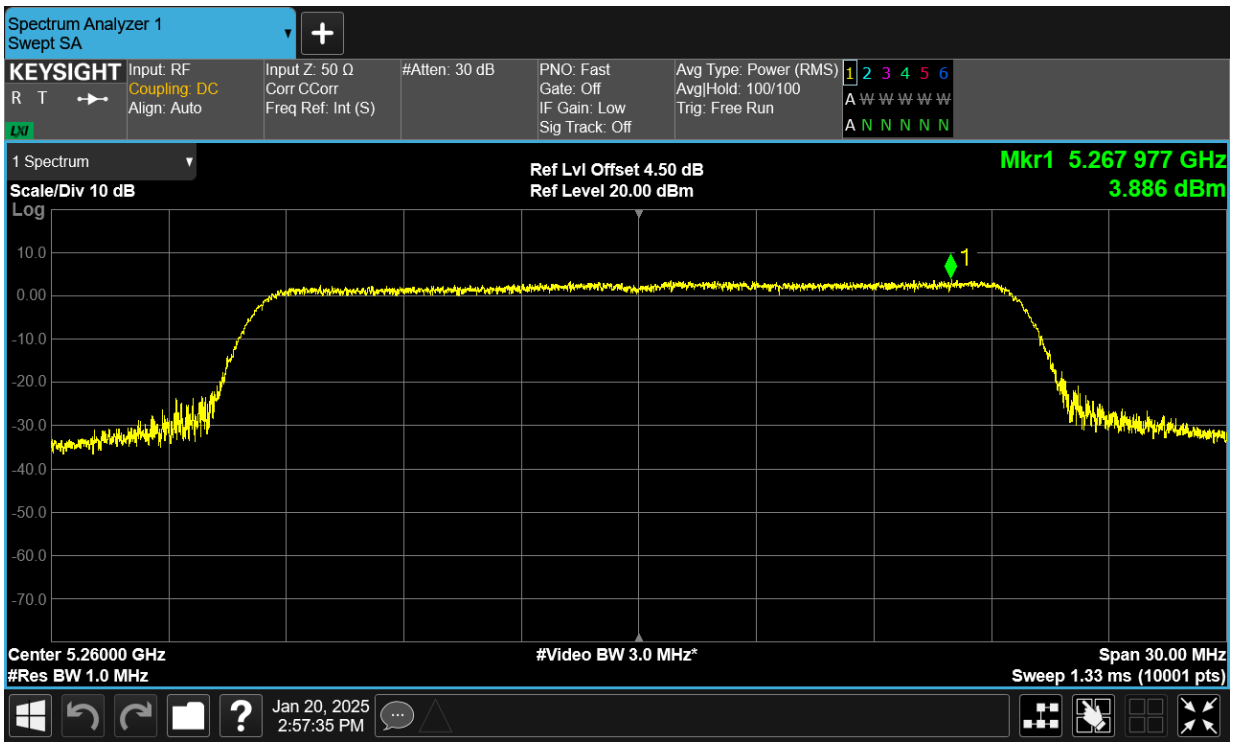
PSD NVNT ac40 5310MHz Ant0



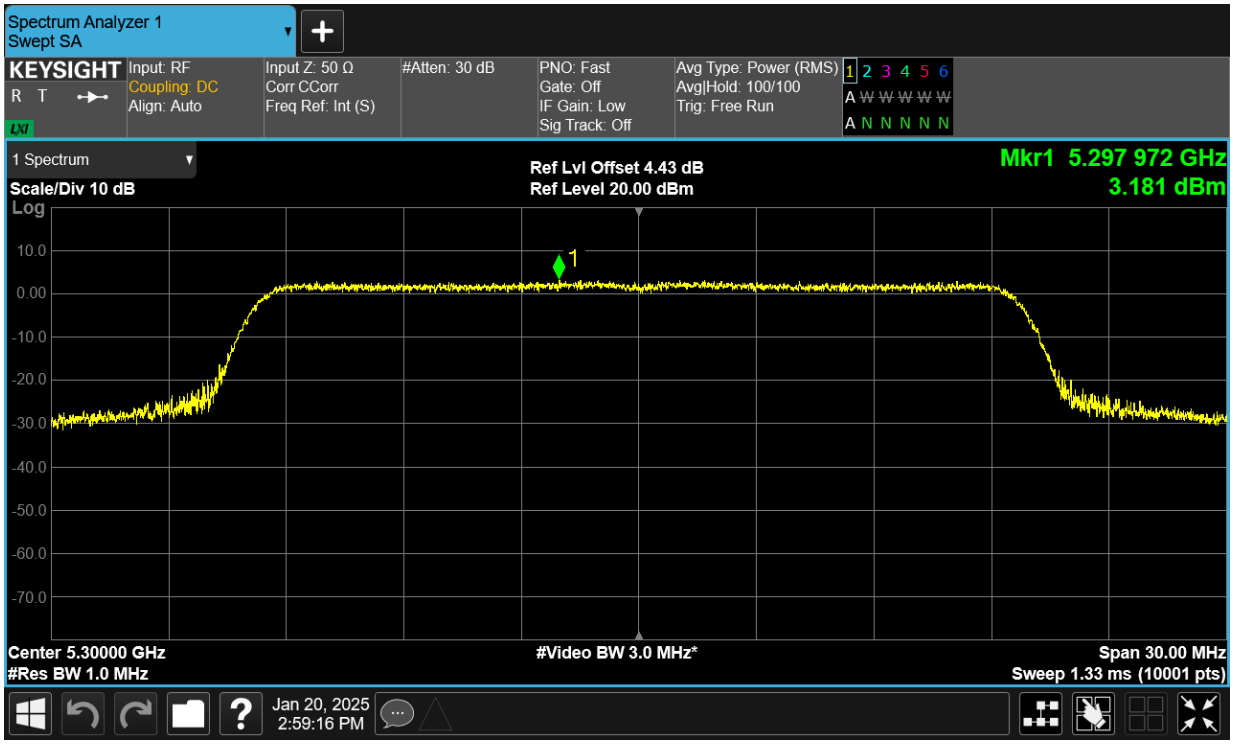
PSD NVNT ac80 5290MHz Ant0



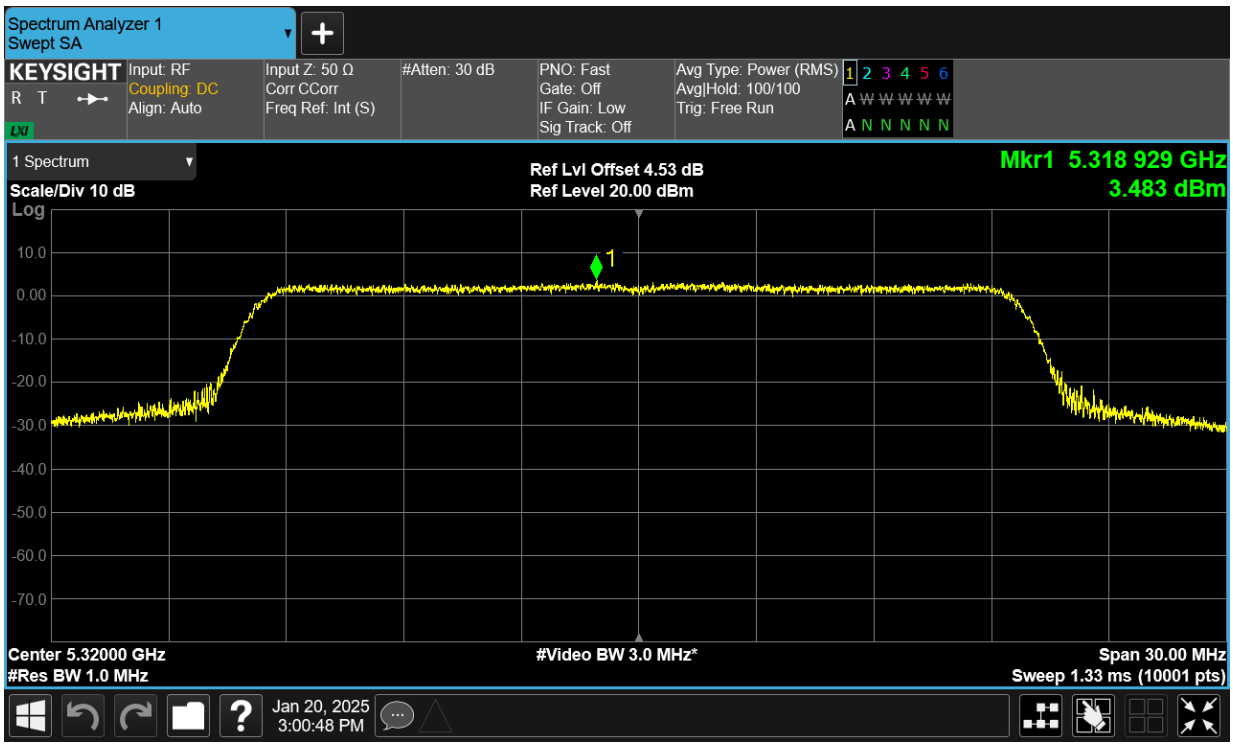
PSD NVNT ax20 5260MHz Ant0



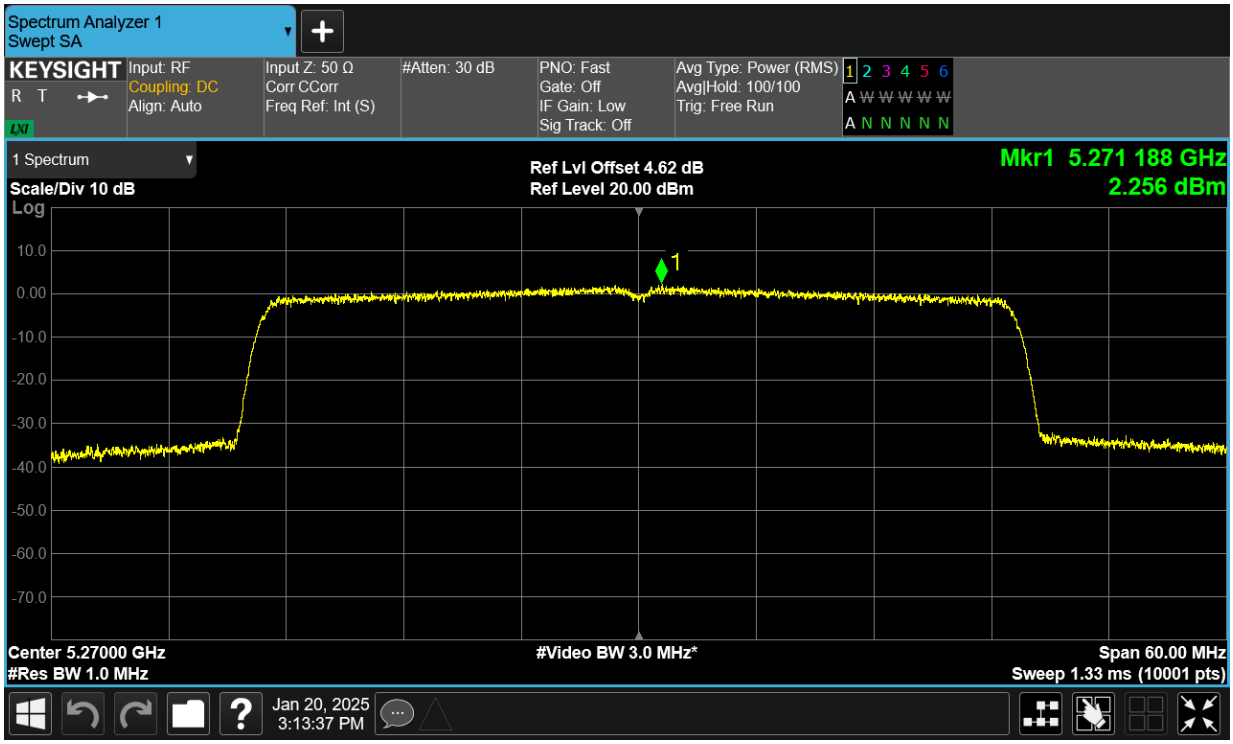
PSD NVNT ax20 5300MHz Ant0



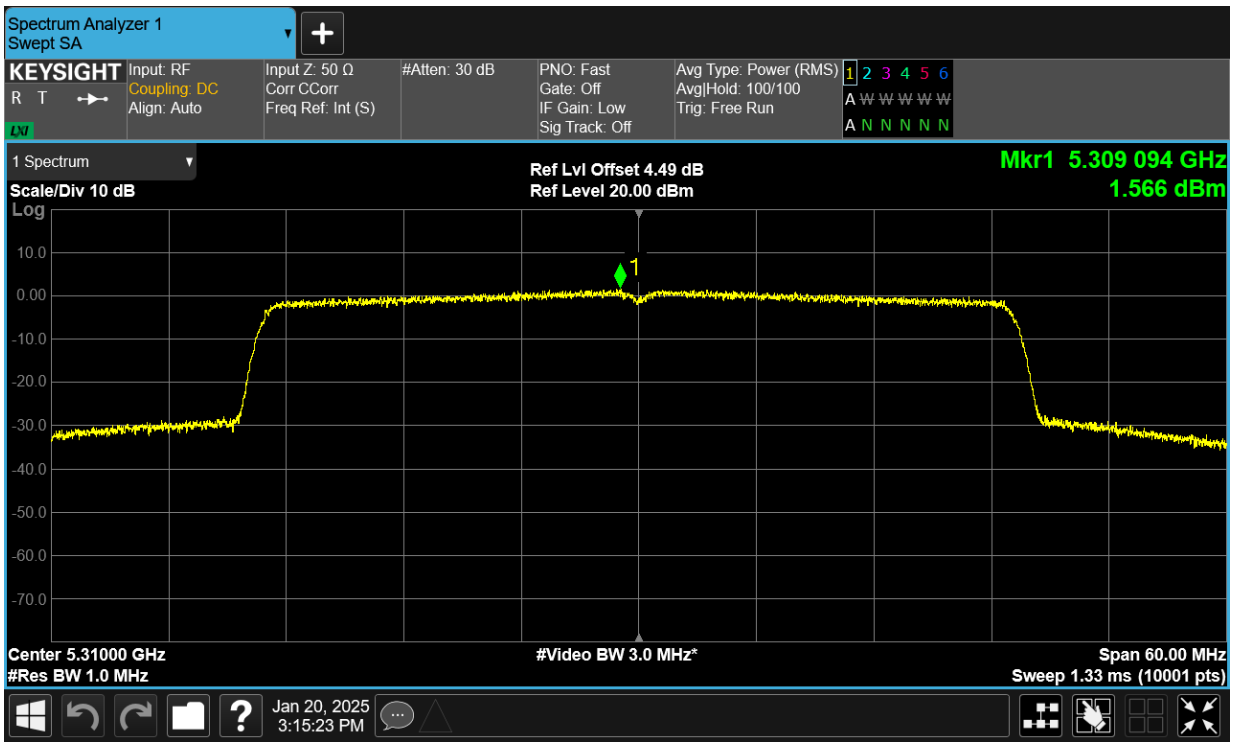
PSD NVNT ax20 5320MHz Ant0



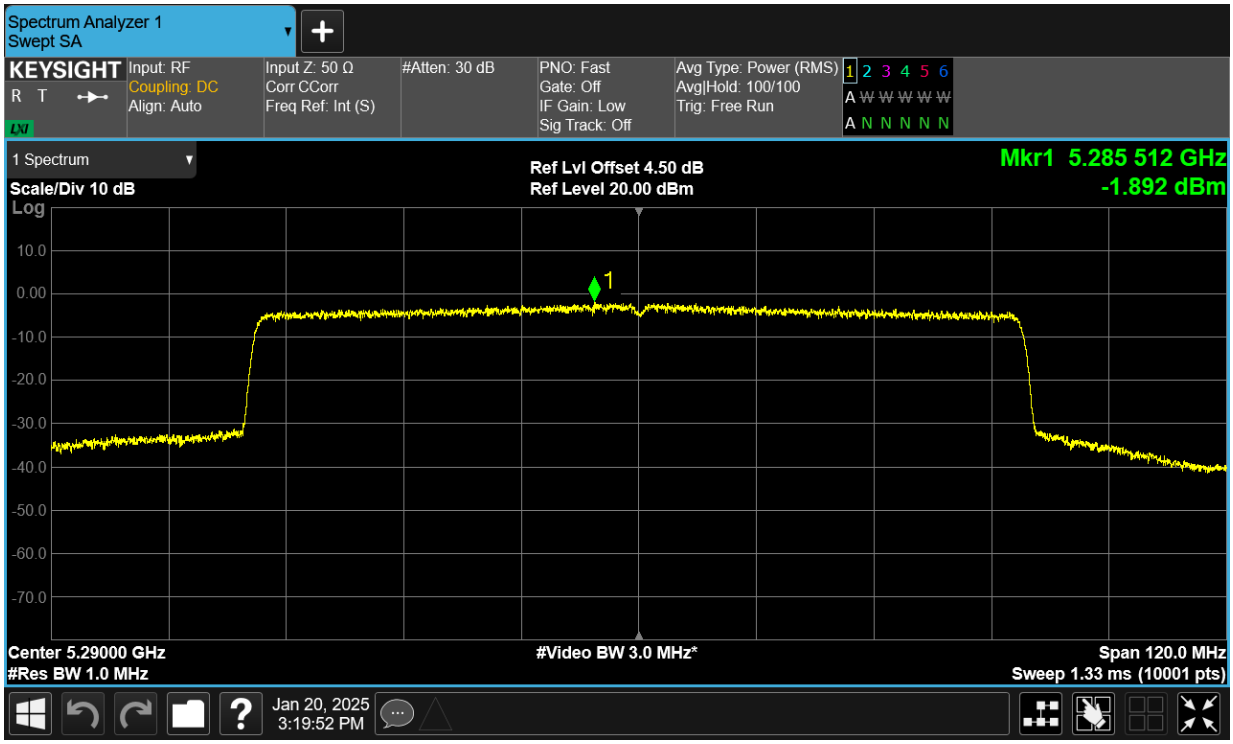
PSD NVNT ax40 5270MHz Ant0



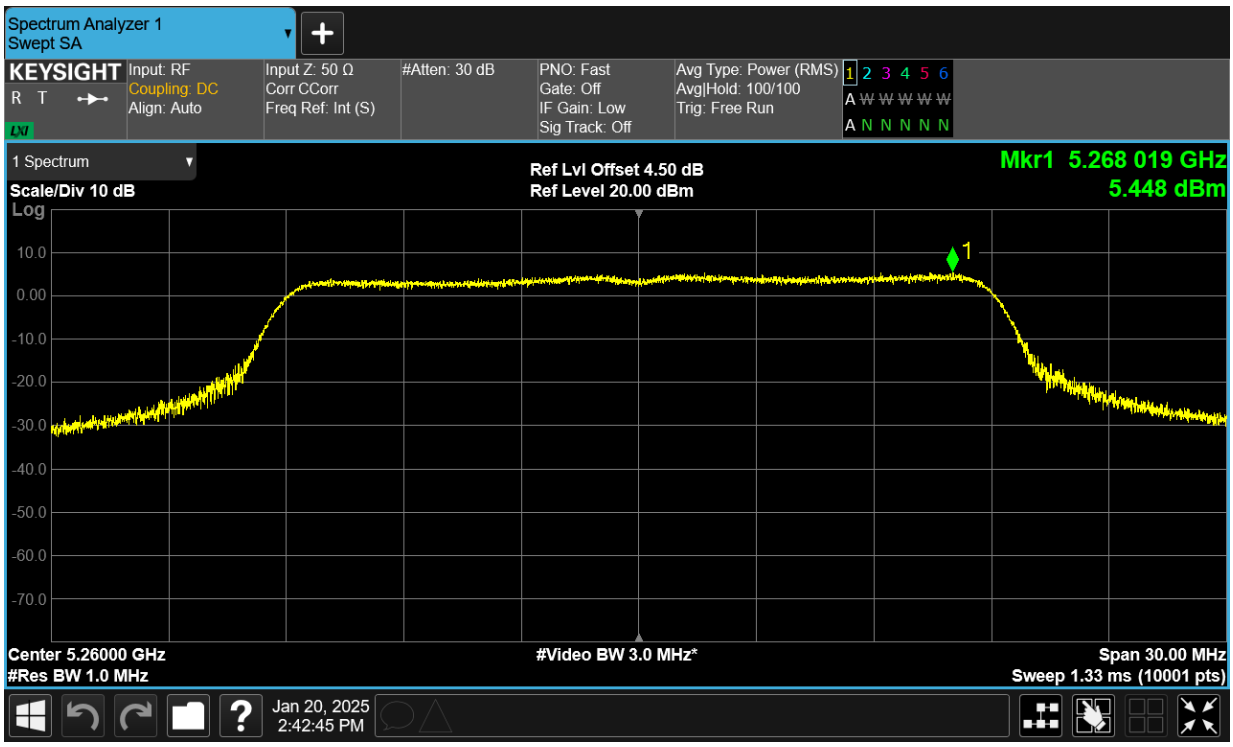
PSD NVNT ax40 5310MHz Ant0



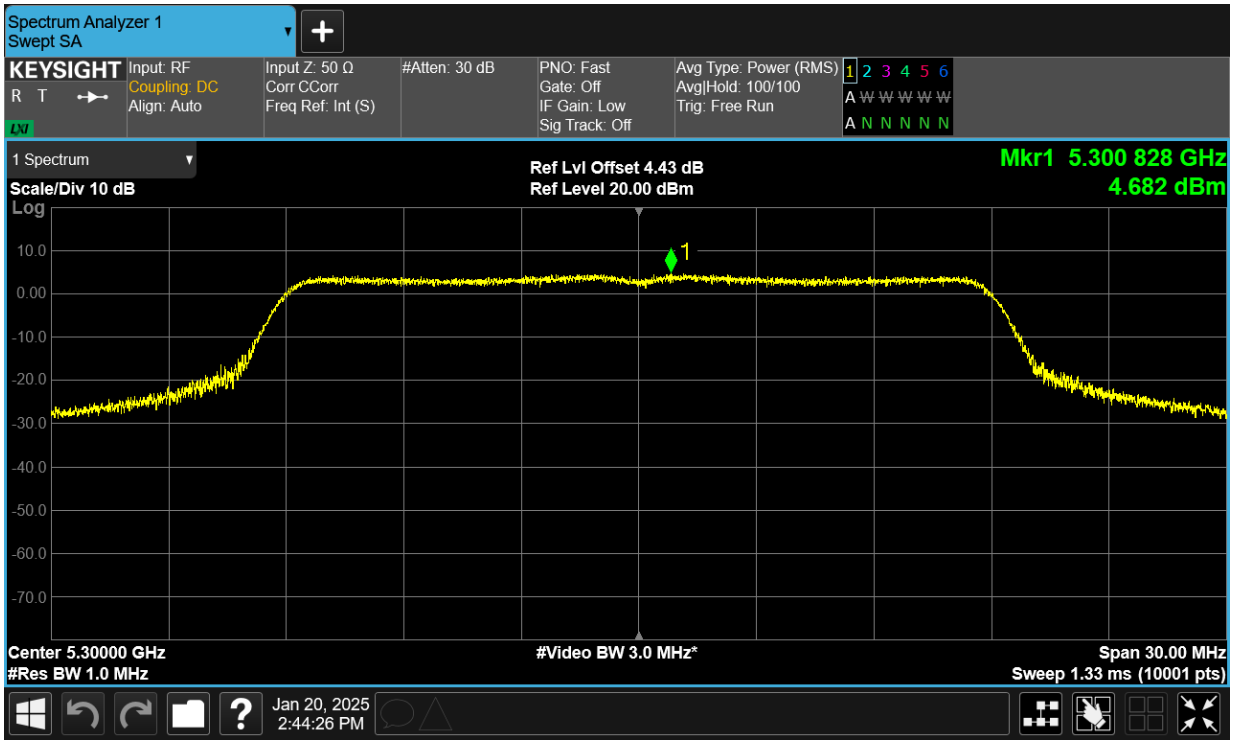
PSD NVNT ax80 5290MHz Ant0



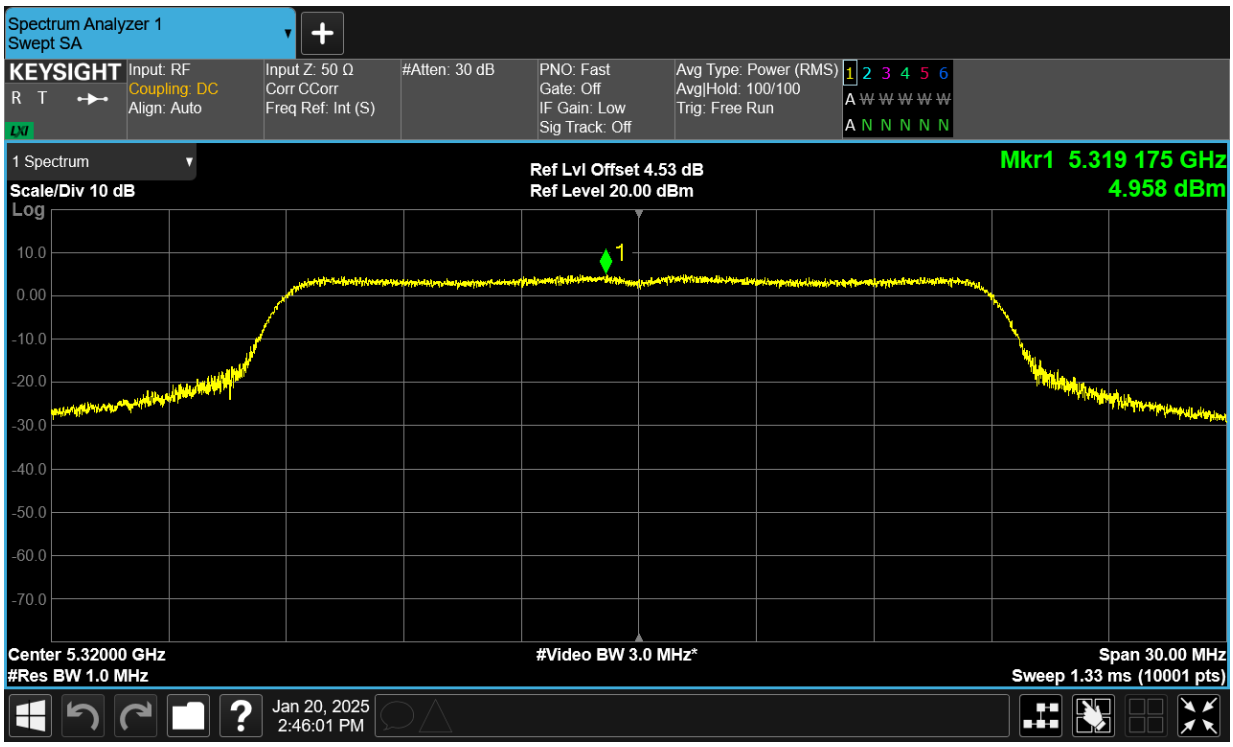
PSD NVNT n20 5260MHz Ant0



PSD NVNT n20 5300MHz Ant0



PSD NVNT n20 5320MHz Ant0



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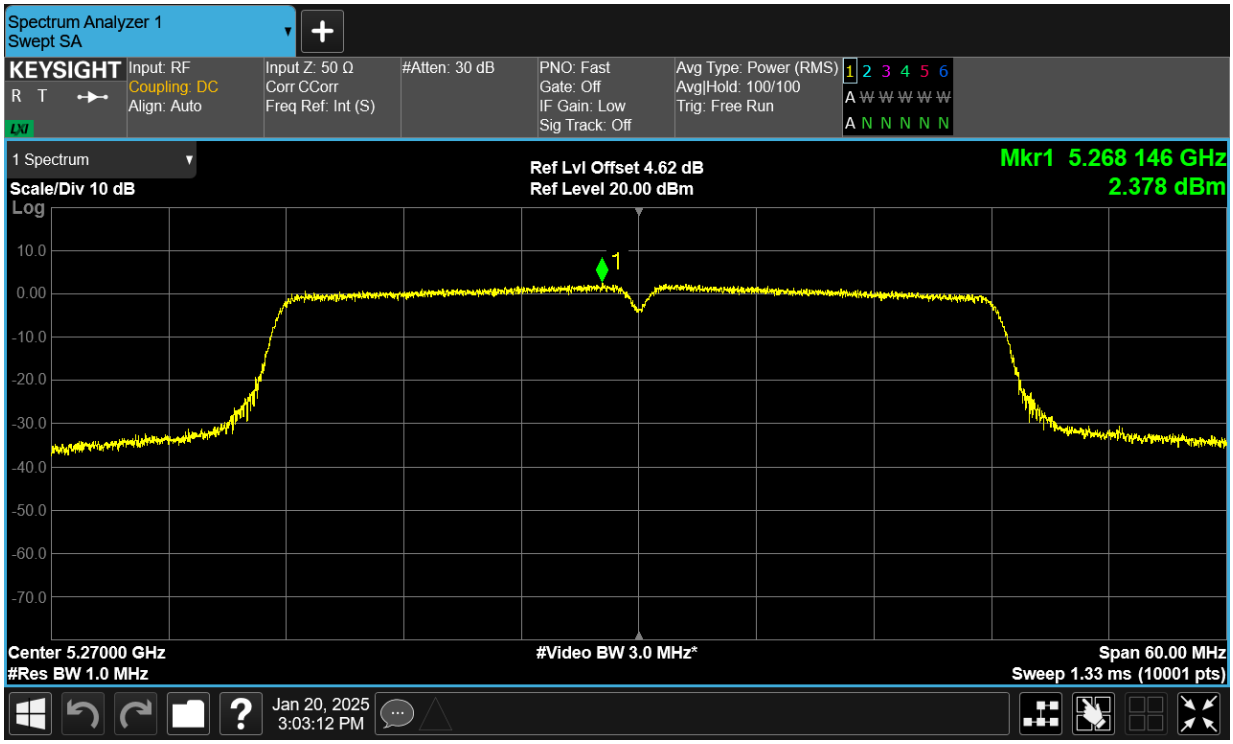

PSD NVNT n40 5310MHz Ant0