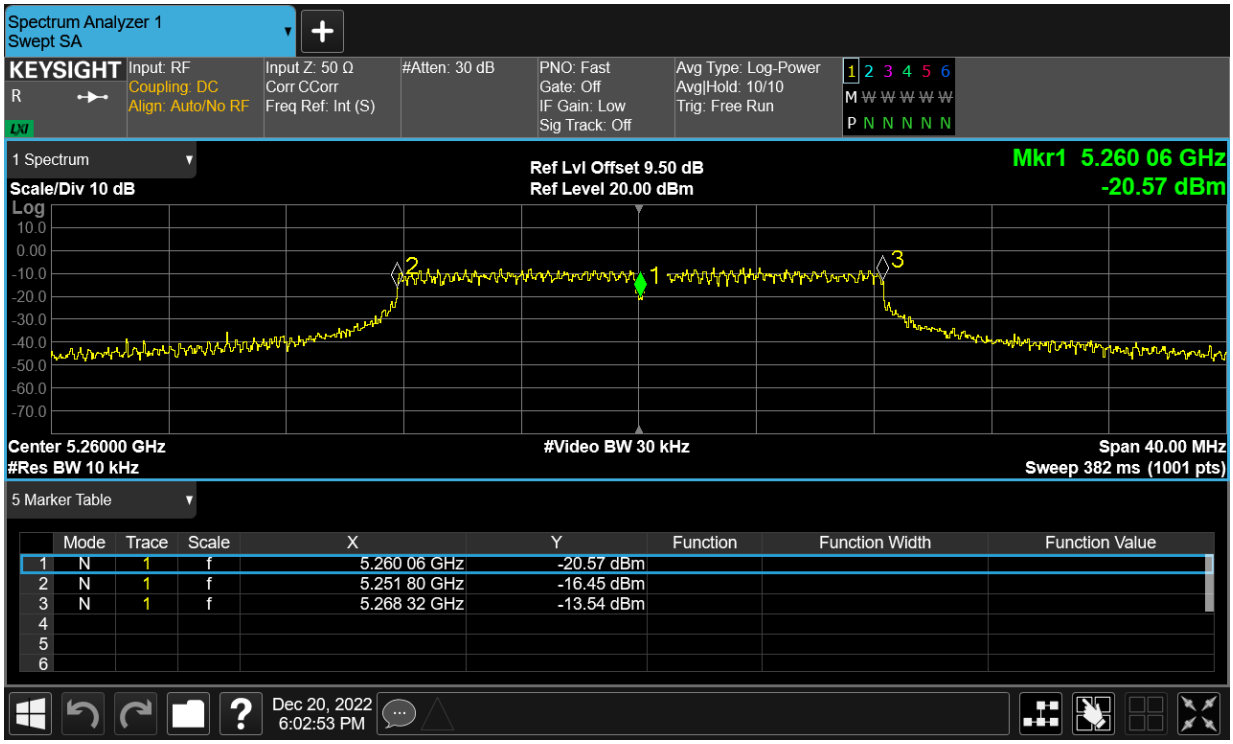
Test Data

Frequency Stability

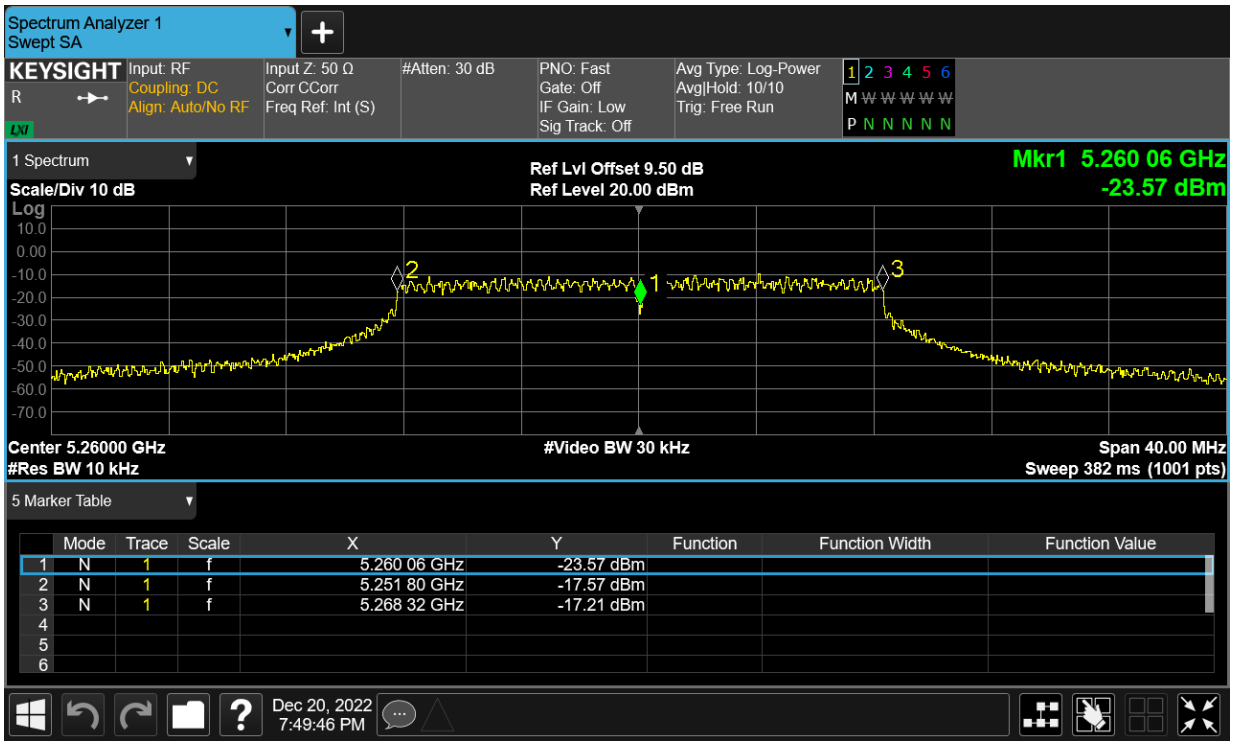
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
HVNT	a	5260	Ant1	5260.06	11.41	Within authorized band	Pass
LVNT	a	5260	Ant1	5260.06	11.41		Pass
NVHT	a	5260	Ant1	5260.06	11.41		Pass
NVLT	a	5260	Ant1	5260.06	11.41		Pass
NVNT	a	5260	Ant1	5260.06	11.41		Pass
HVNT	n40	5270	Ant1	5270.08	15.18		Pass
LVNT	n40	5270	Ant1	5270.08	15.18		Pass
NVHT	n40	5270	Ant1	5270.08	15.18		Pass
NVLT	n40	5270	Ant1	5270.08	15.18		Pass
NVNT	n40	5270	Ant1	5270.08	15.18		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

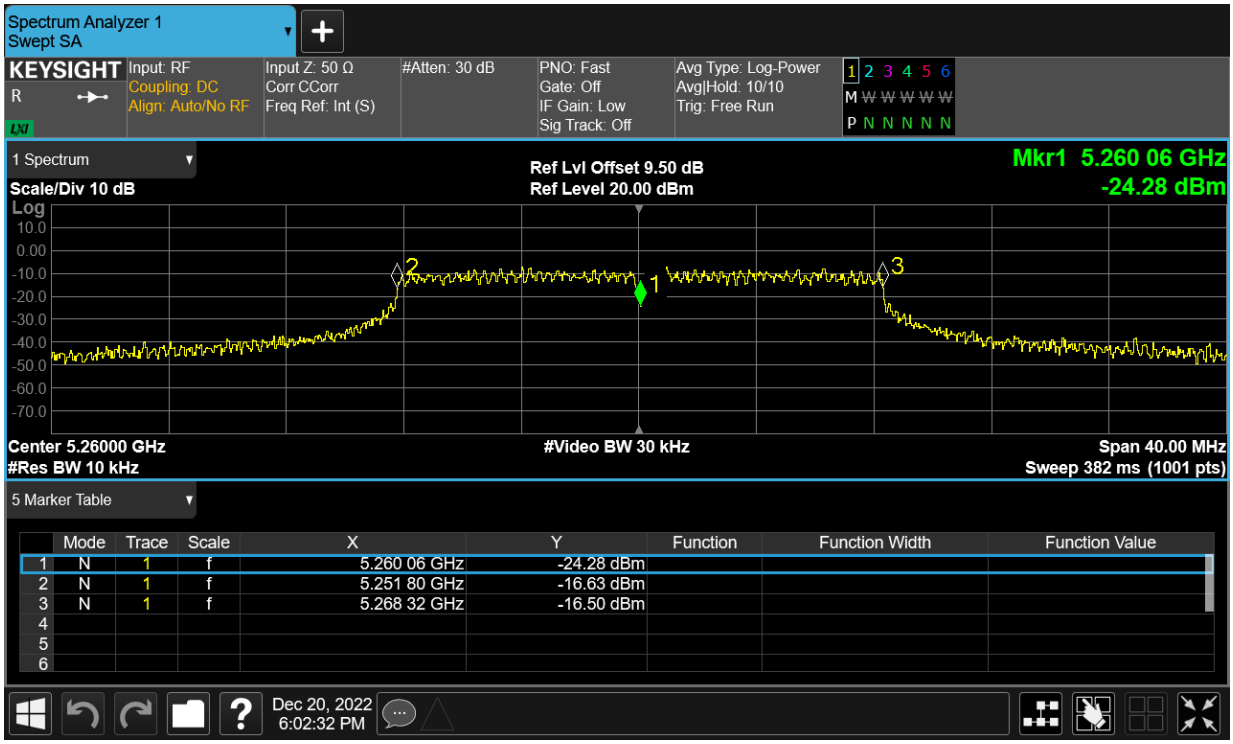
Freq. Stability HVNT a 5260MHz Ant1



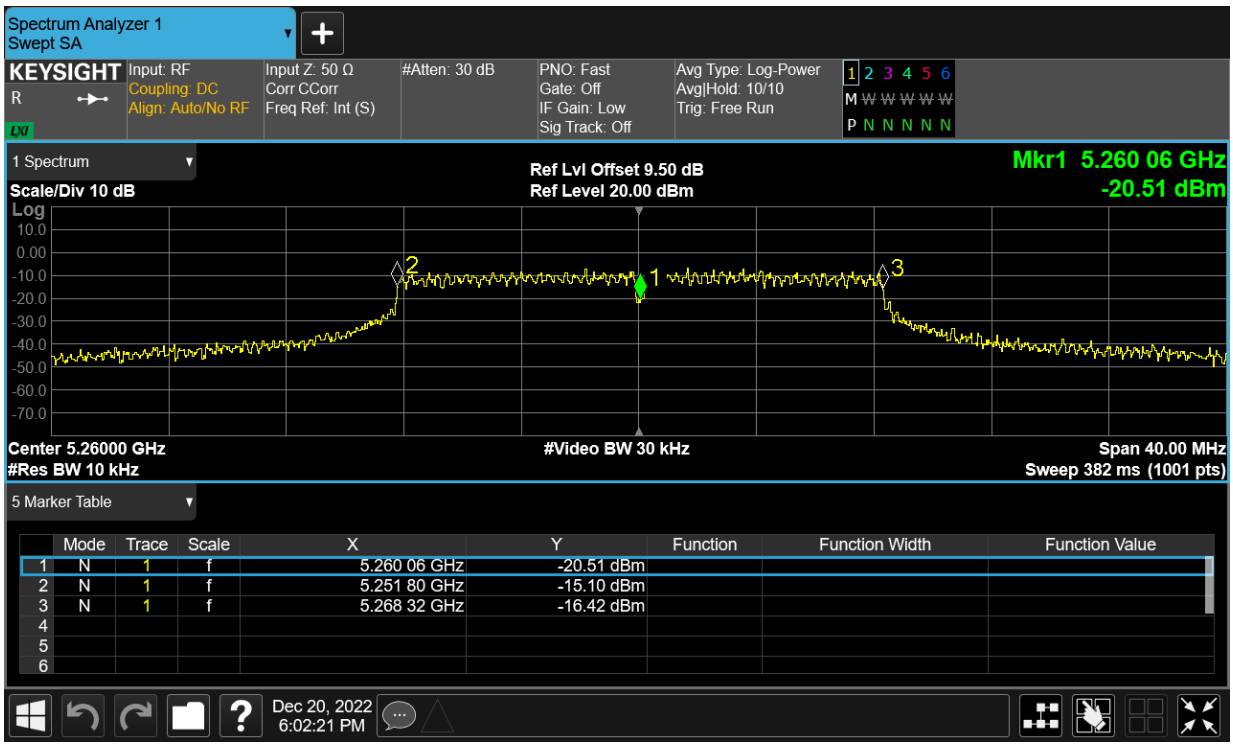
Freq. Stability LVNT a 5260MHz Ant1



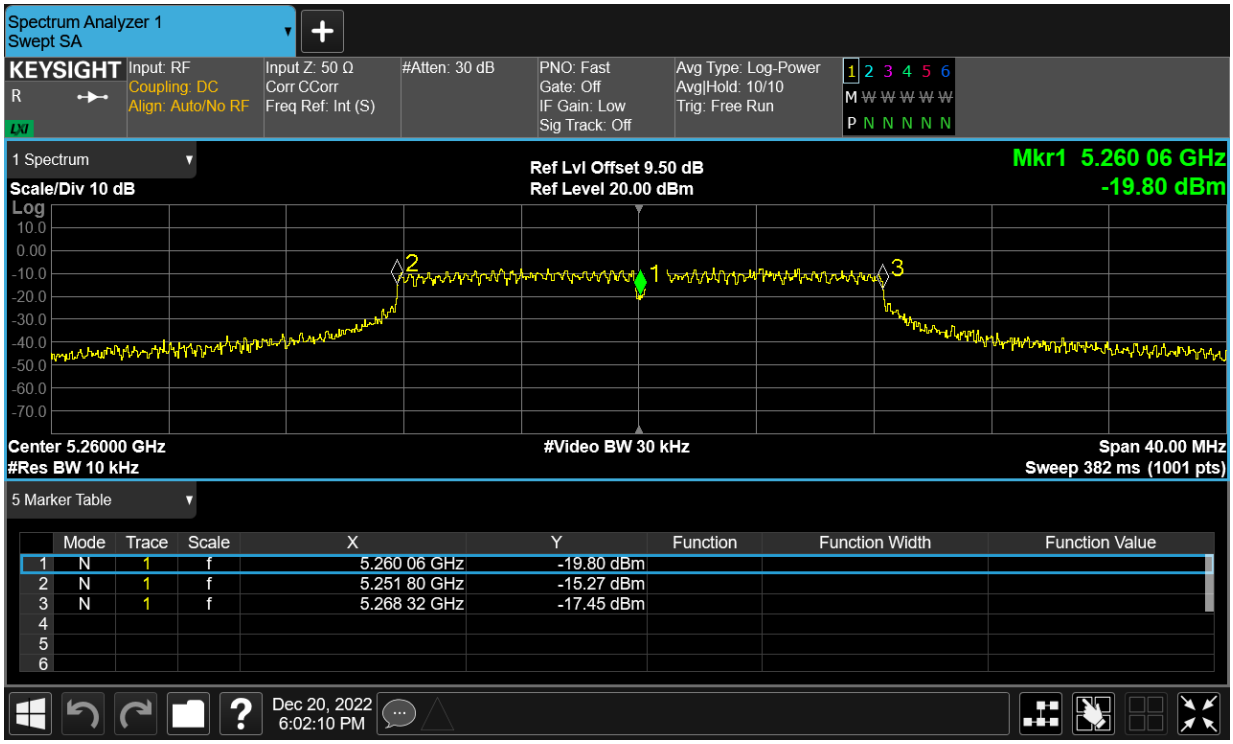
Freq. Stability NVHT a 5260MHz Ant1



Freq. Stability NVLT a 5260MHz Ant1



Freq. Stability NVNT a 5260MHz Ant1

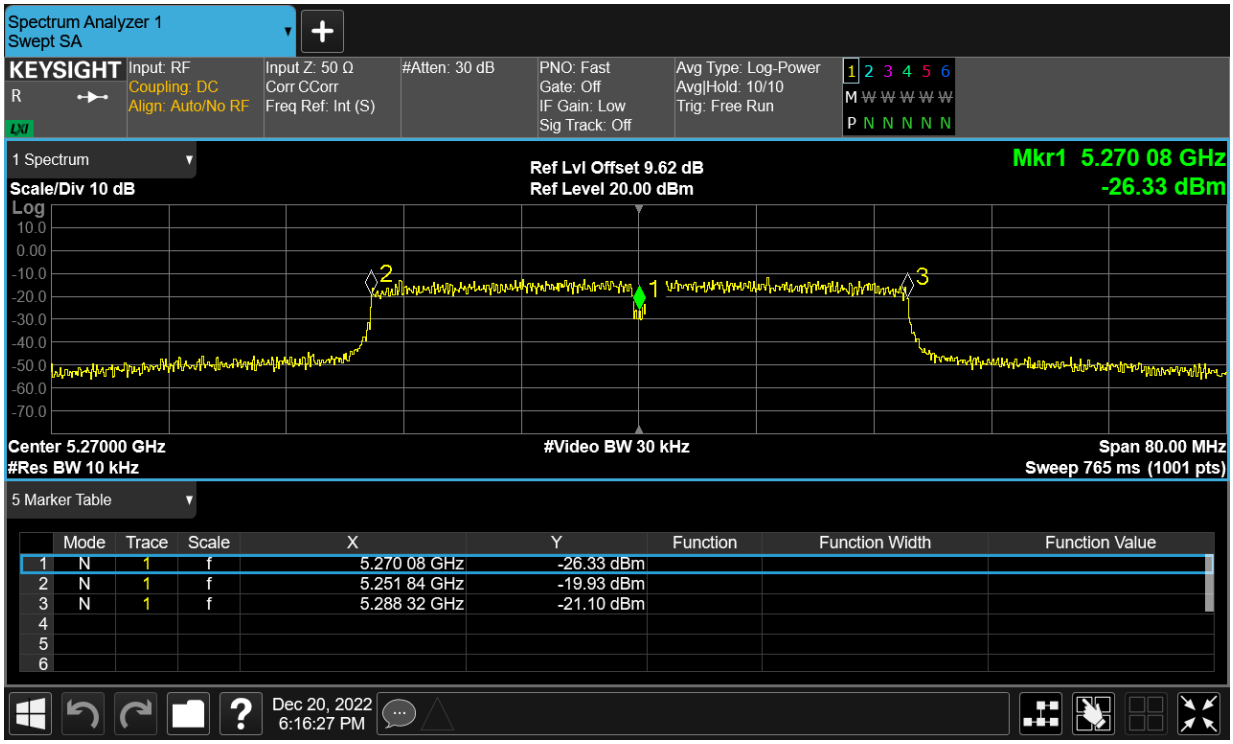


Freq. Stability HVNT n40 5270MHz Ant1

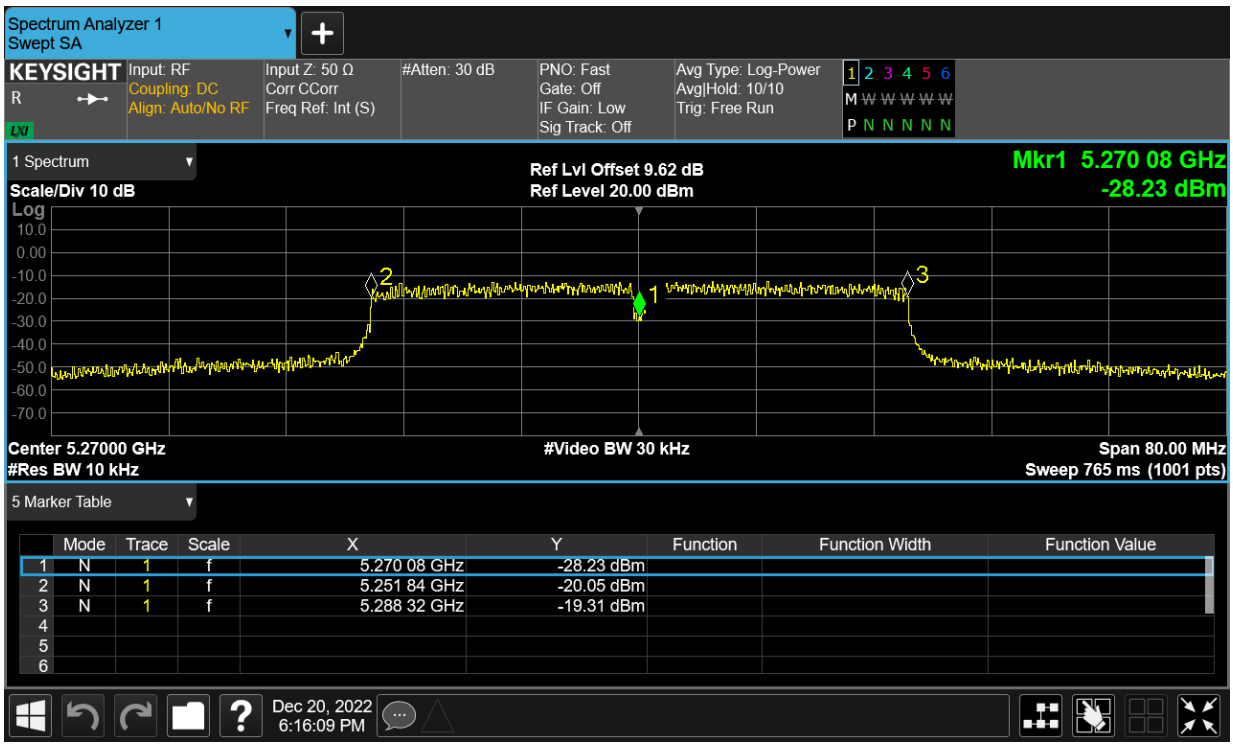
Freq. Stability LVNT n40 5270MHz Ant1

Freq. Stability NVHT n40 5270MHz Ant1

Freq. Stability NVLT n40 5270MHz Ant1



Freq. Stability NVNT n40 5270MHz Ant1

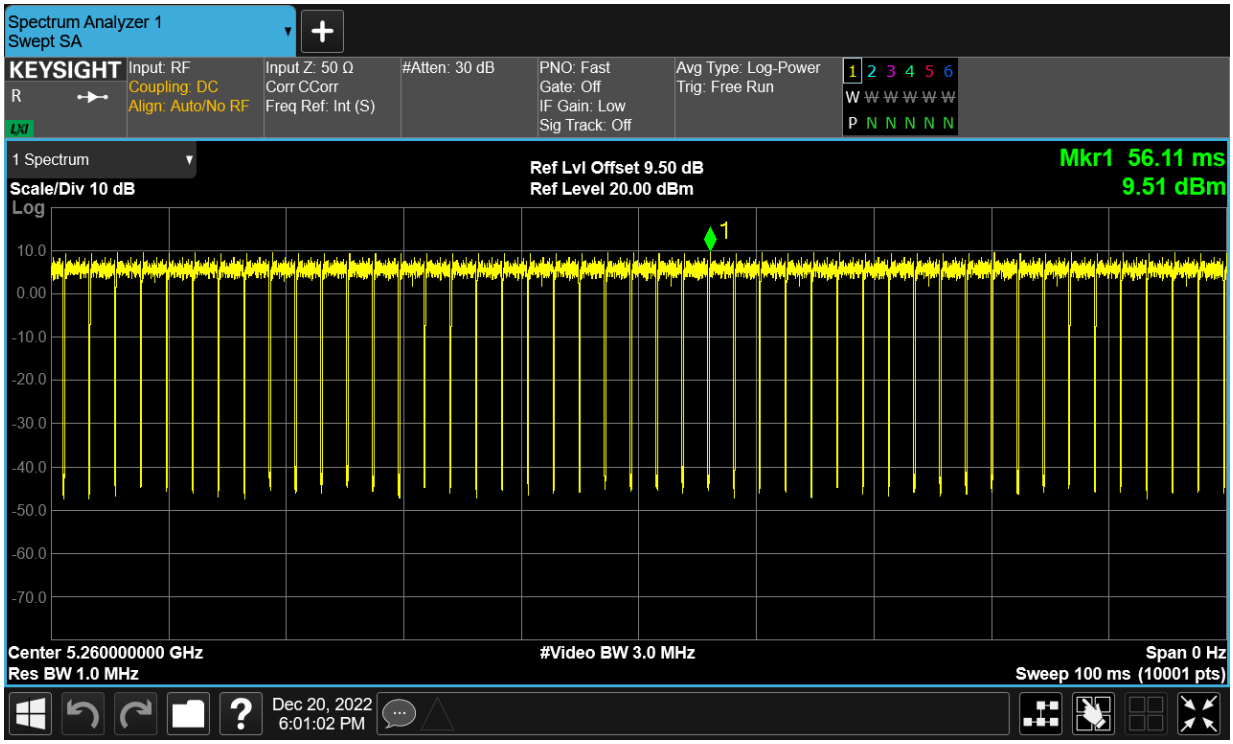


Duty Cycle

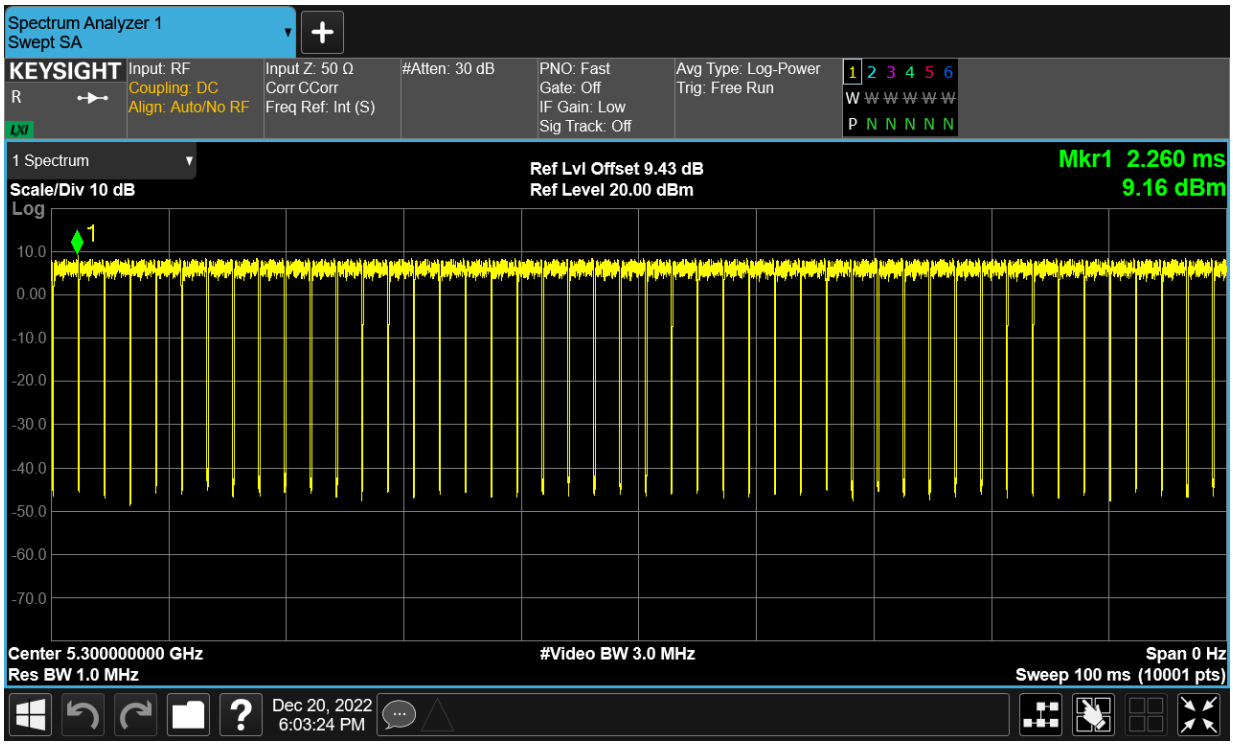
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5260	Ant1	94.58	0.24
NVNT	a	5300	Ant1	94.57	0.24
NVNT	a	5320	Ant1	94.53	0.24
NVNT	n20	5260	Ant1	94.28	0.26
NVNT	n20	5300	Ant1	94.15	0.26
NVNT	n20	5320	Ant1	94.25	0.26
NVNT	n40	5270	Ant1	89.08	0.5
NVNT	n40	5310	Ant1	89.08	0.5

Test Graphs

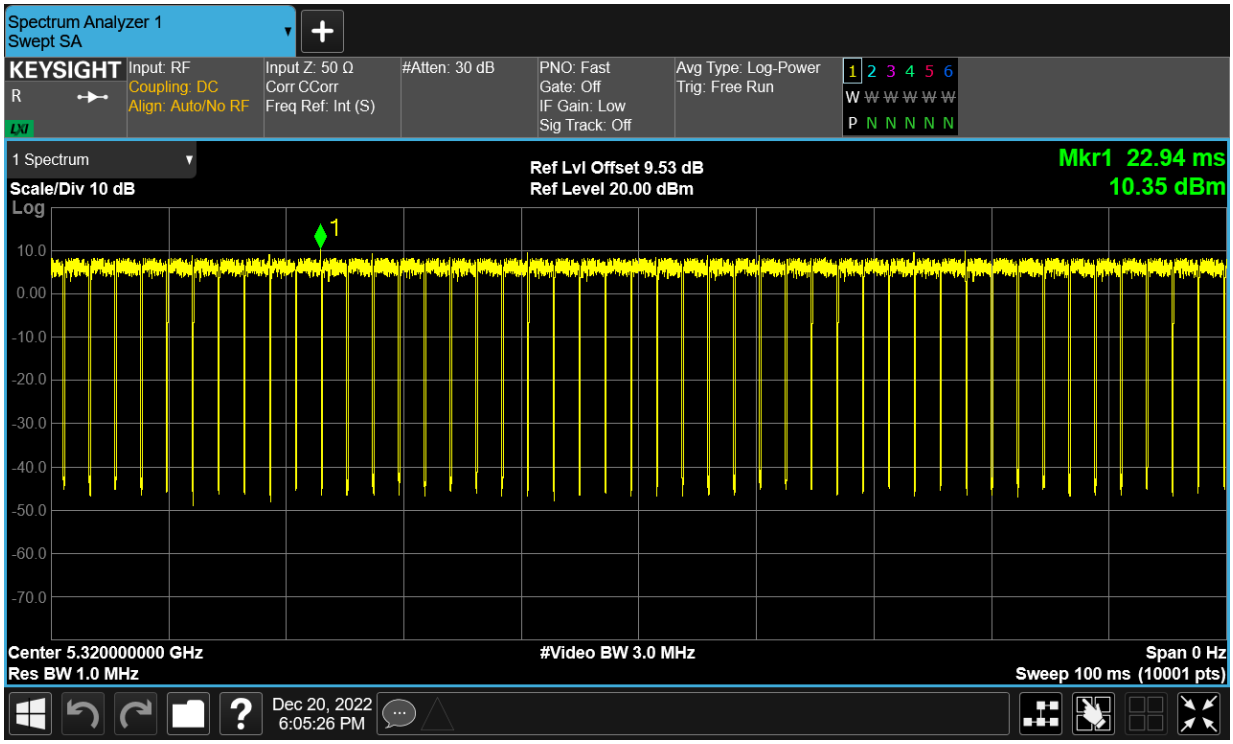
Duty Cycle NVNT a 5260MHz Ant1



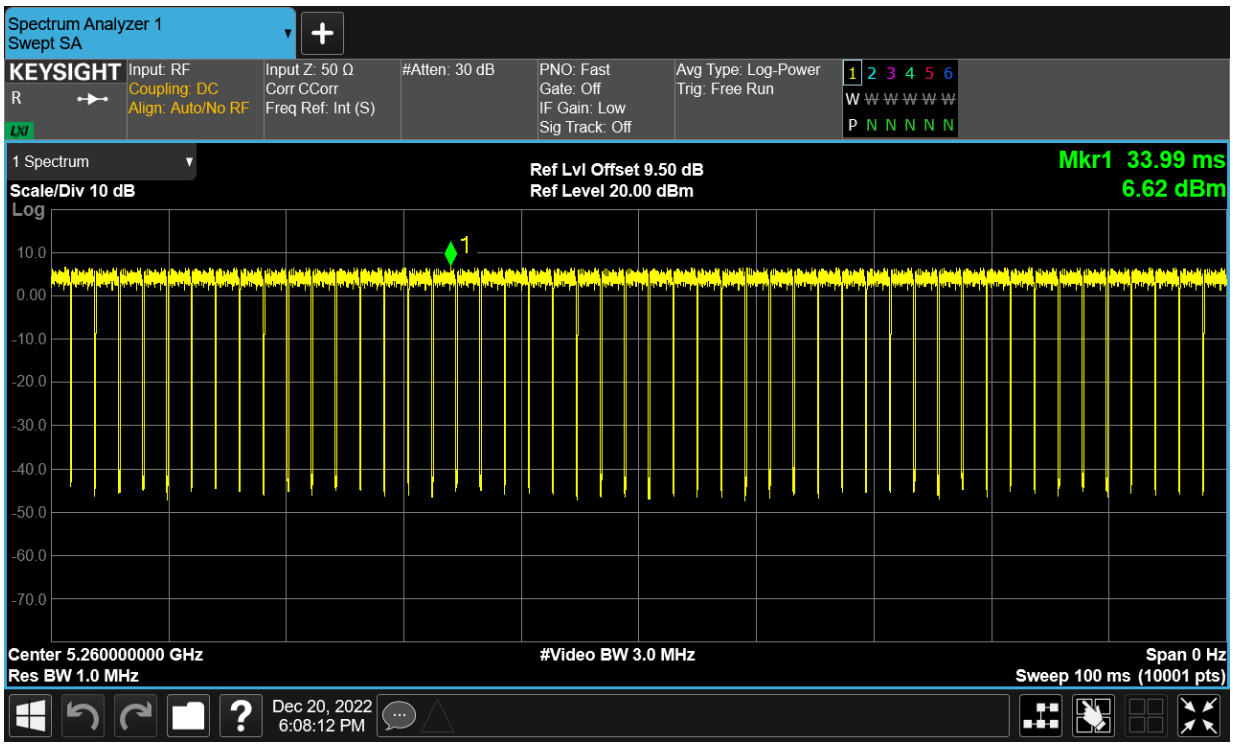
Duty Cycle NVNT a 5300MHz Ant1



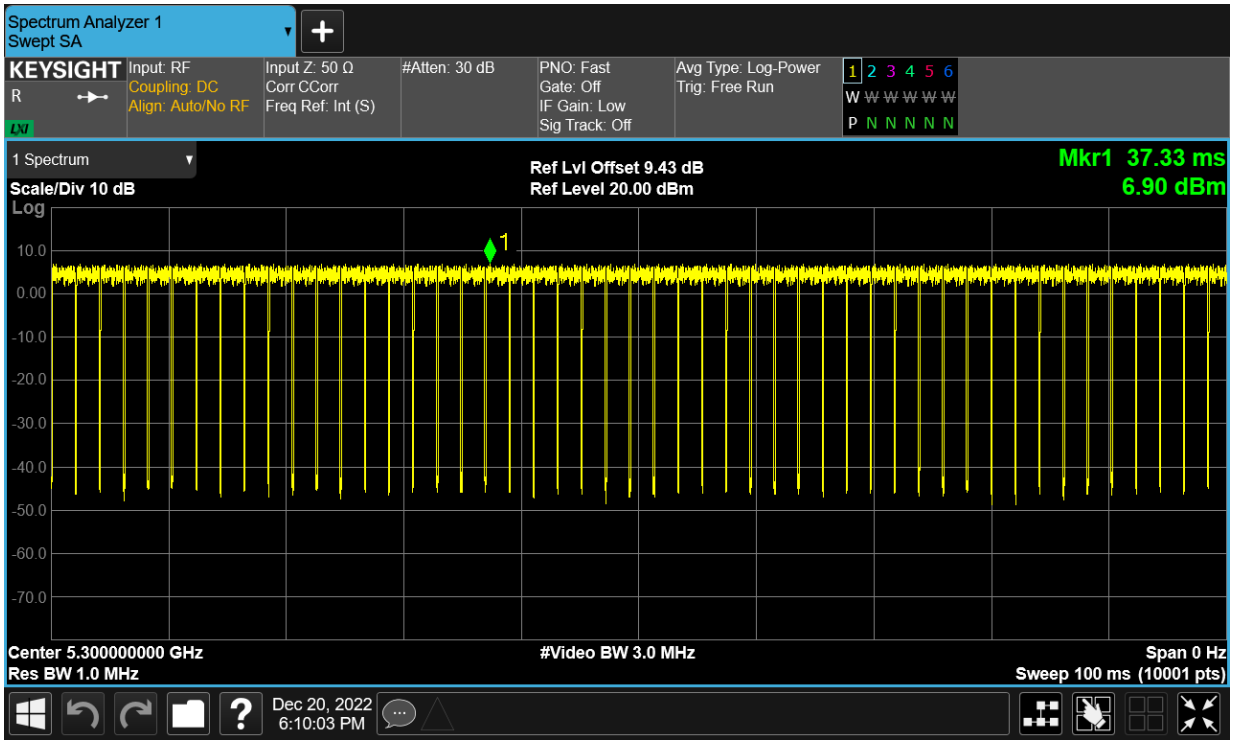
Duty Cycle NVNT a 5320MHz Ant1



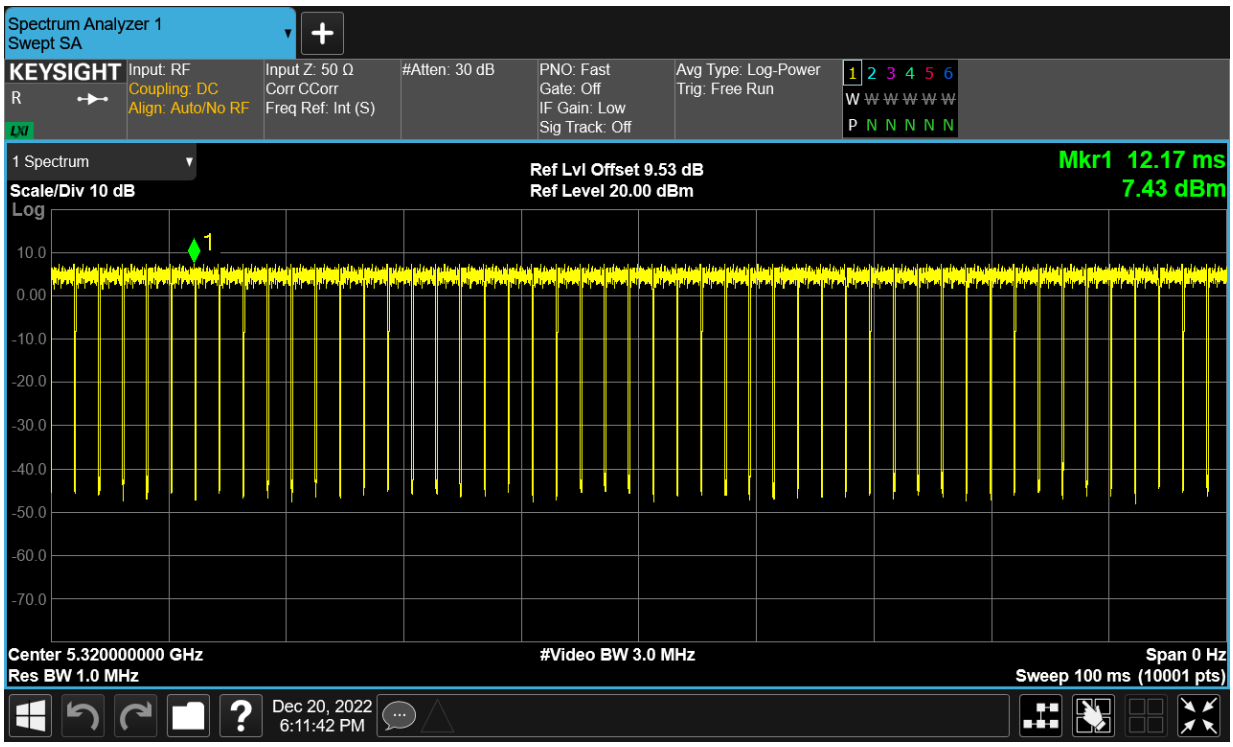
Duty Cycle NVNT n20 5260MHz Ant1



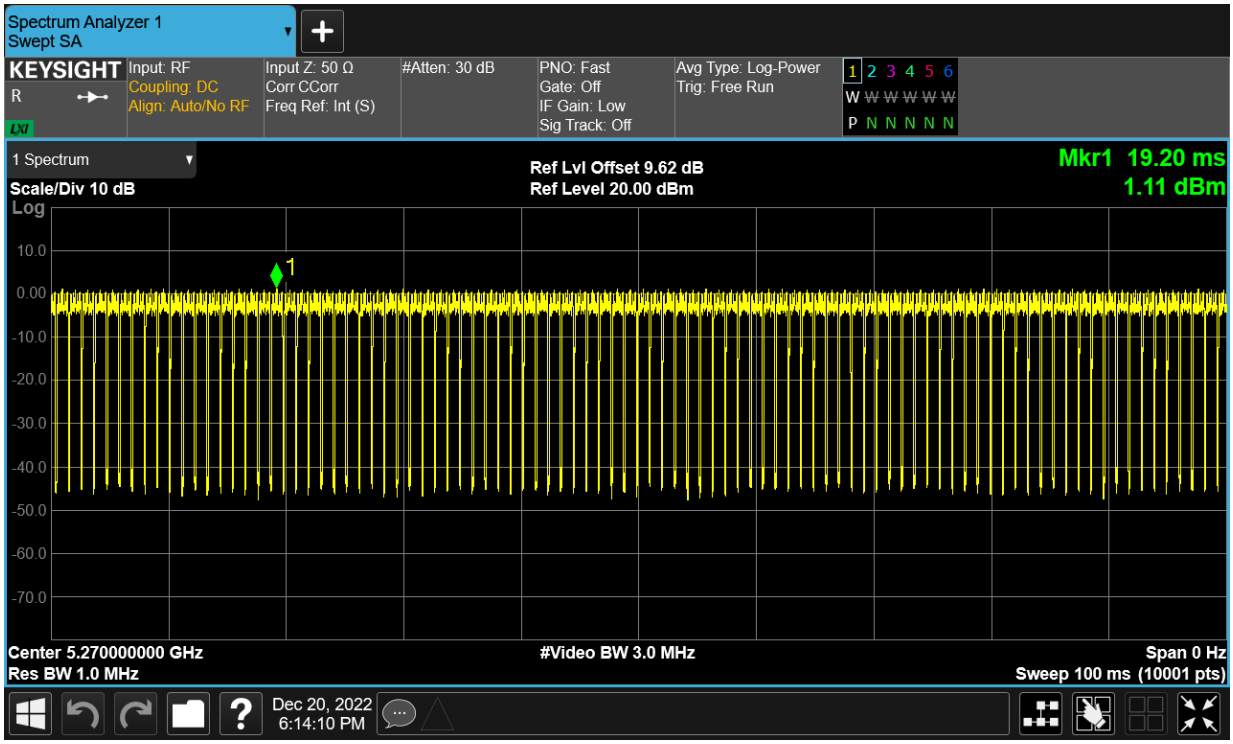
Duty Cycle NVNT n20 5300MHz Ant1



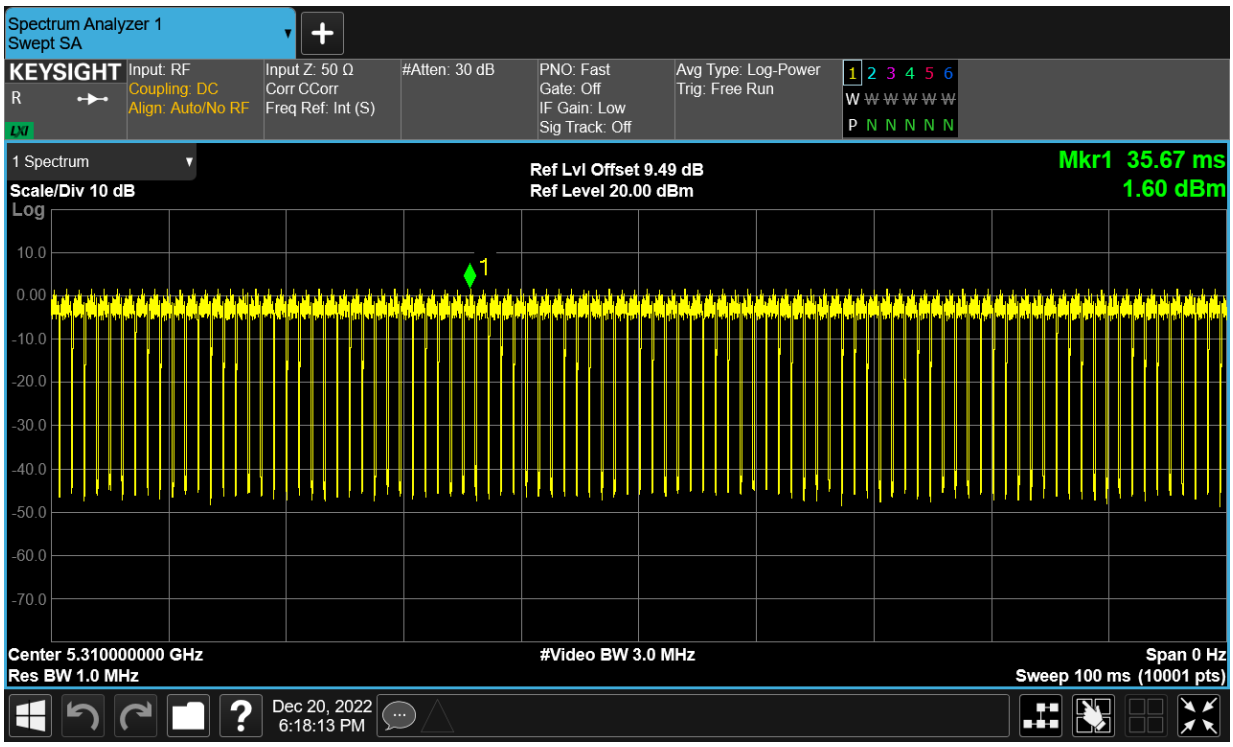
Duty Cycle NVNT n20 5320MHz Ant1



Duty Cycle NVNT n40 5270MHz Ant1



Duty Cycle NVNT n40 5310MHz Ant1



Maximum Conducted Output Power

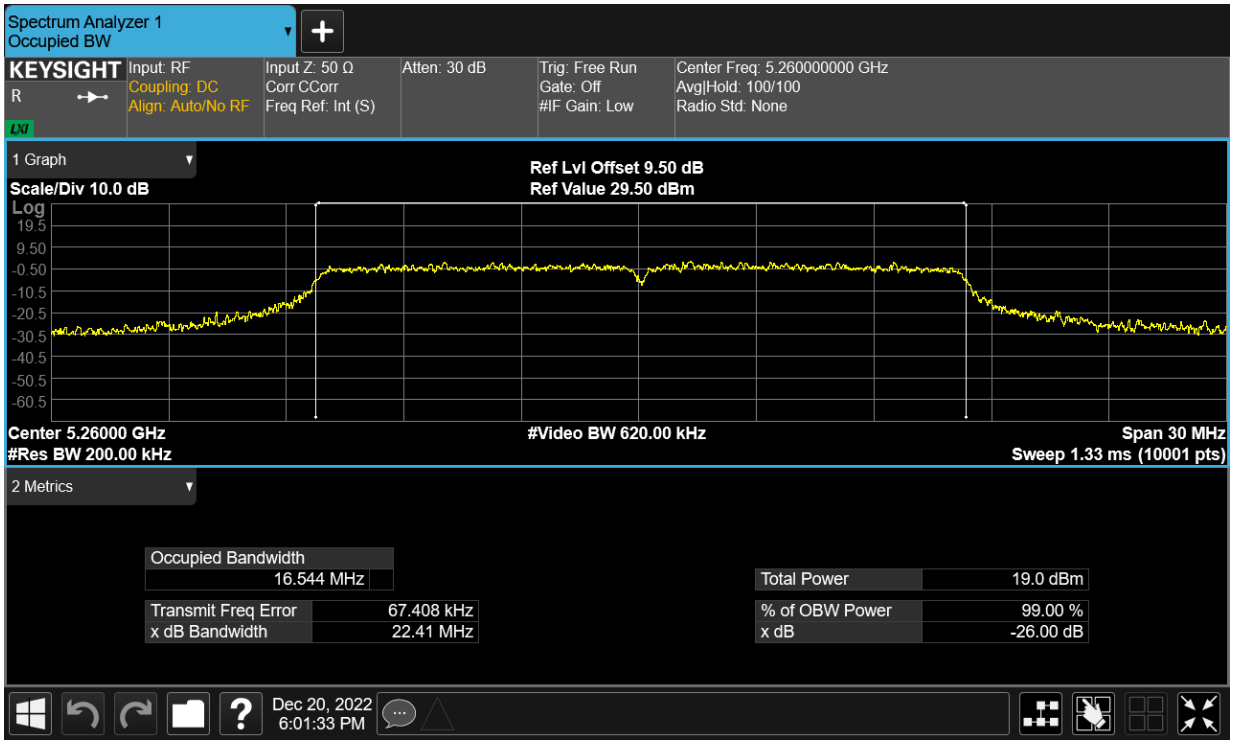
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	13.53	0.24	13.77	24	Pass
NVNT	a	5300	Ant1	14.35	0.24	14.59	24	Pass
NVNT	a	5320	Ant1	14.39	0.24	14.63	24	Pass
NVNT	n20	5260	Ant1	12.08	0.26	12.34	24	Pass
NVNT	n20	5300	Ant1	12.98	0.26	13.24	24	Pass
NVNT	n20	5320	Ant1	13.07	0.26	13.33	24	Pass
NVNT	n40	5270	Ant1	11.65	0.5	12.15	24	Pass
NVNT	n40	5310	Ant1	12.27	0.5	12.77	24	Pass

Occupied Channel Bandwidth

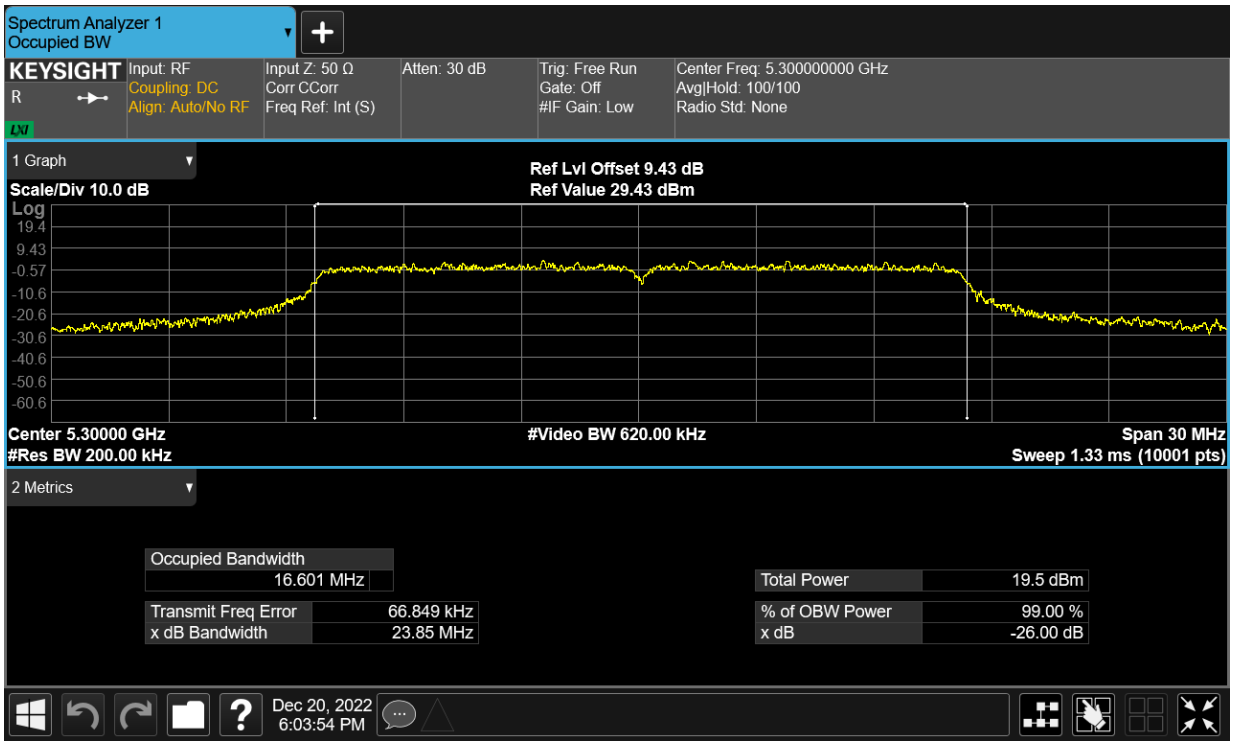
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5260	Ant1	16.544
NVNT	a	5300	Ant1	16.601
NVNT	a	5320	Ant1	16.541
NVNT	n20	5260	Ant1	17.671
NVNT	n20	5300	Ant1	17.678
NVNT	n20	5320	Ant1	17.688
NVNT	n40	5270	Ant1	35.855
NVNT	n40	5310	Ant1	35.879

Test Graphs

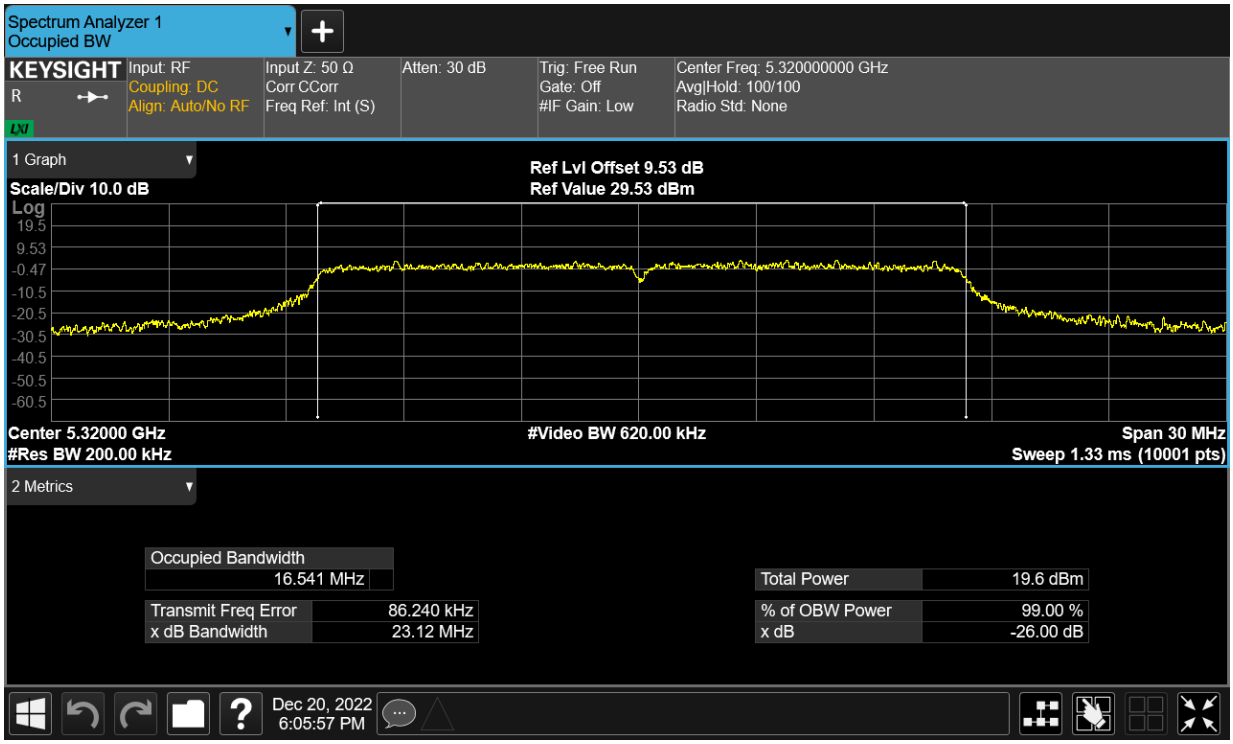
OBW NVNT a 5260MHz Ant1



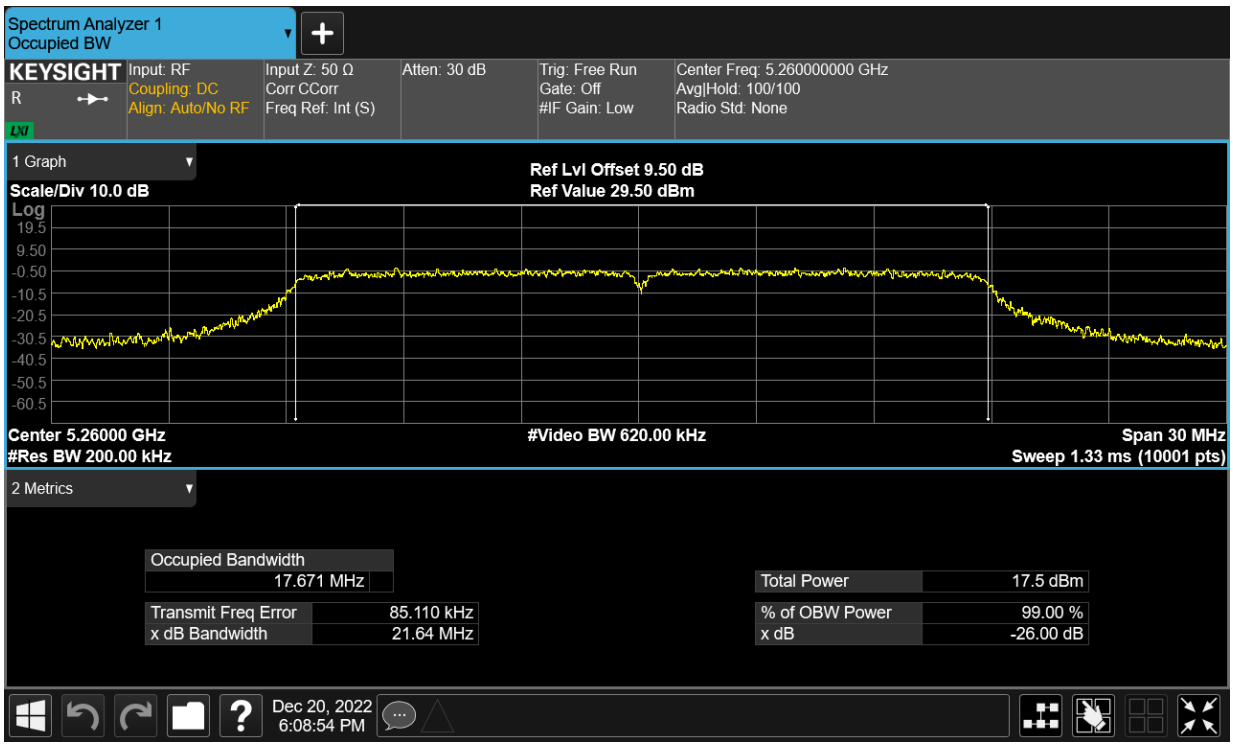
OBW NVNT a 5300MHz Ant1



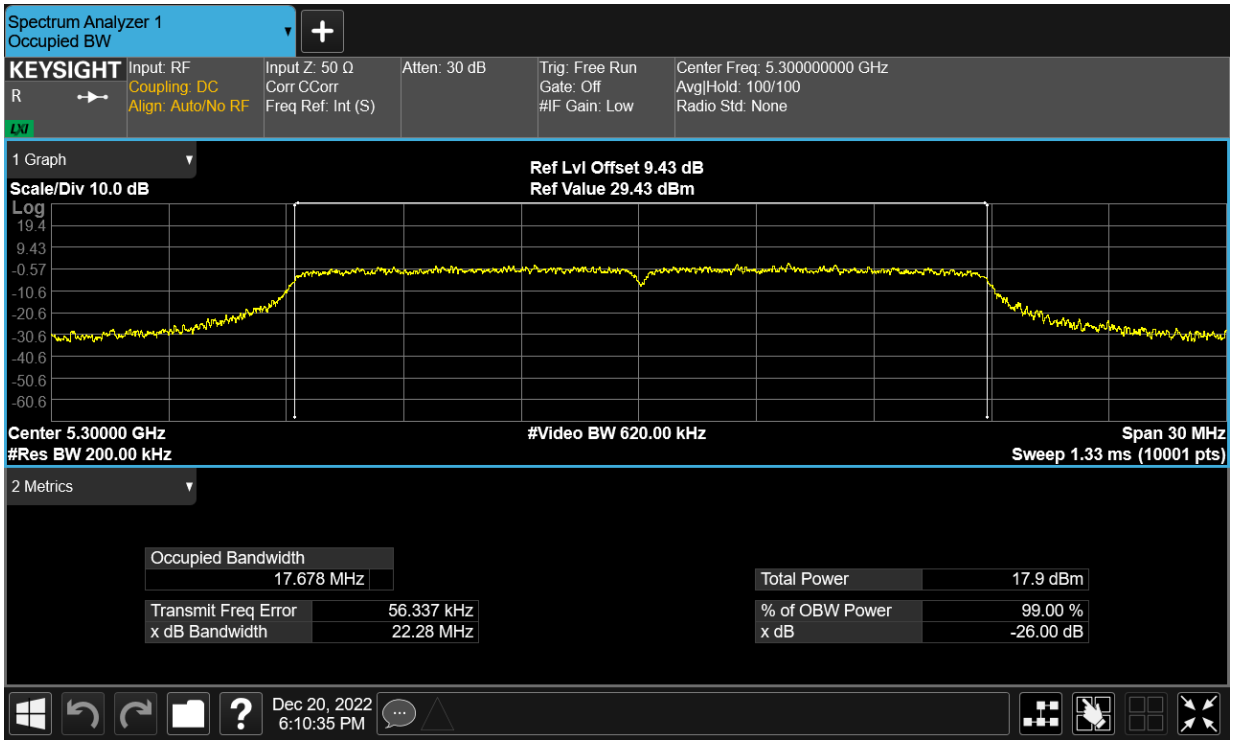
OBW NVNT a 5320MHz Ant1



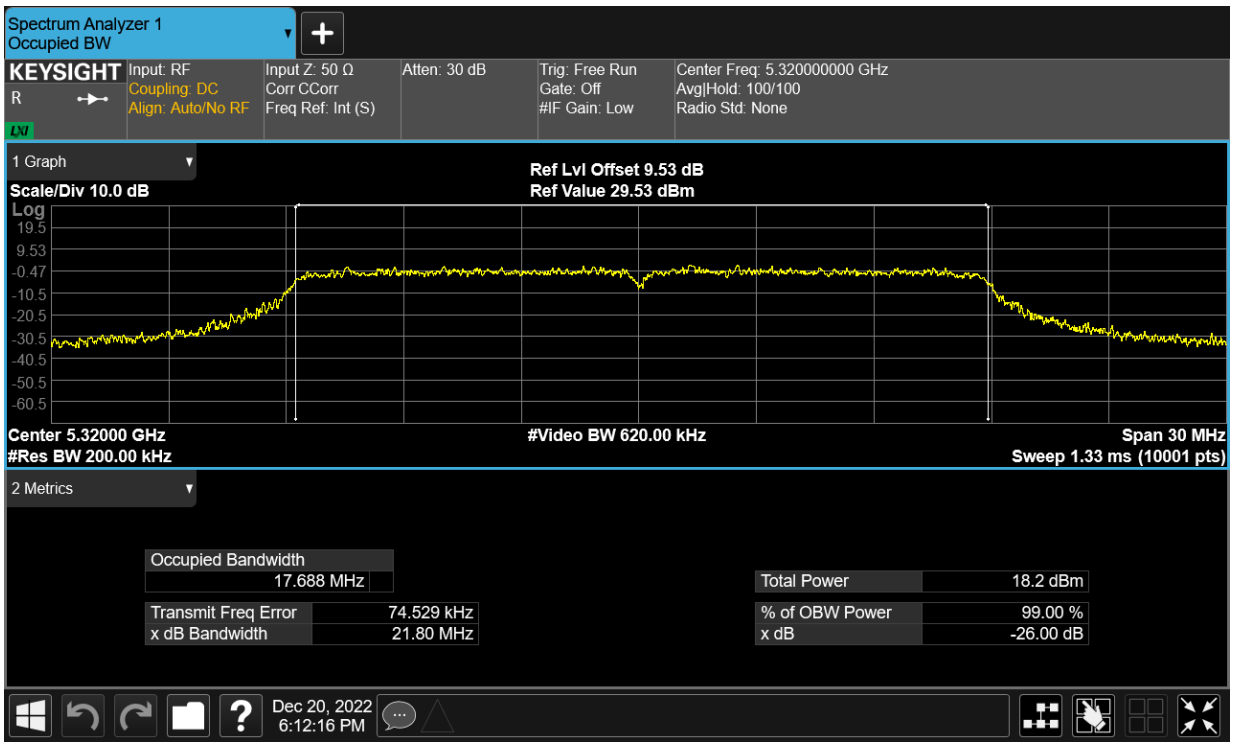
OBW NVNT n20 5260MHz Ant1



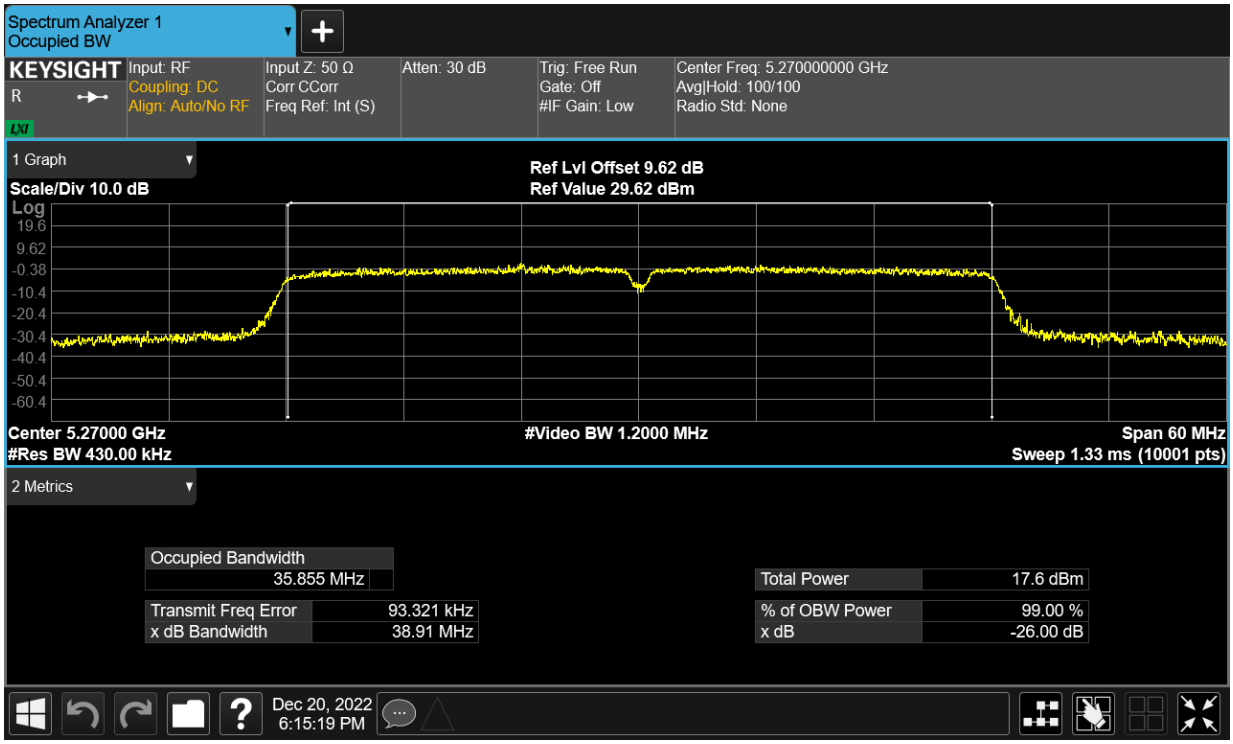
OBW NVNT n20 5300MHz Ant1



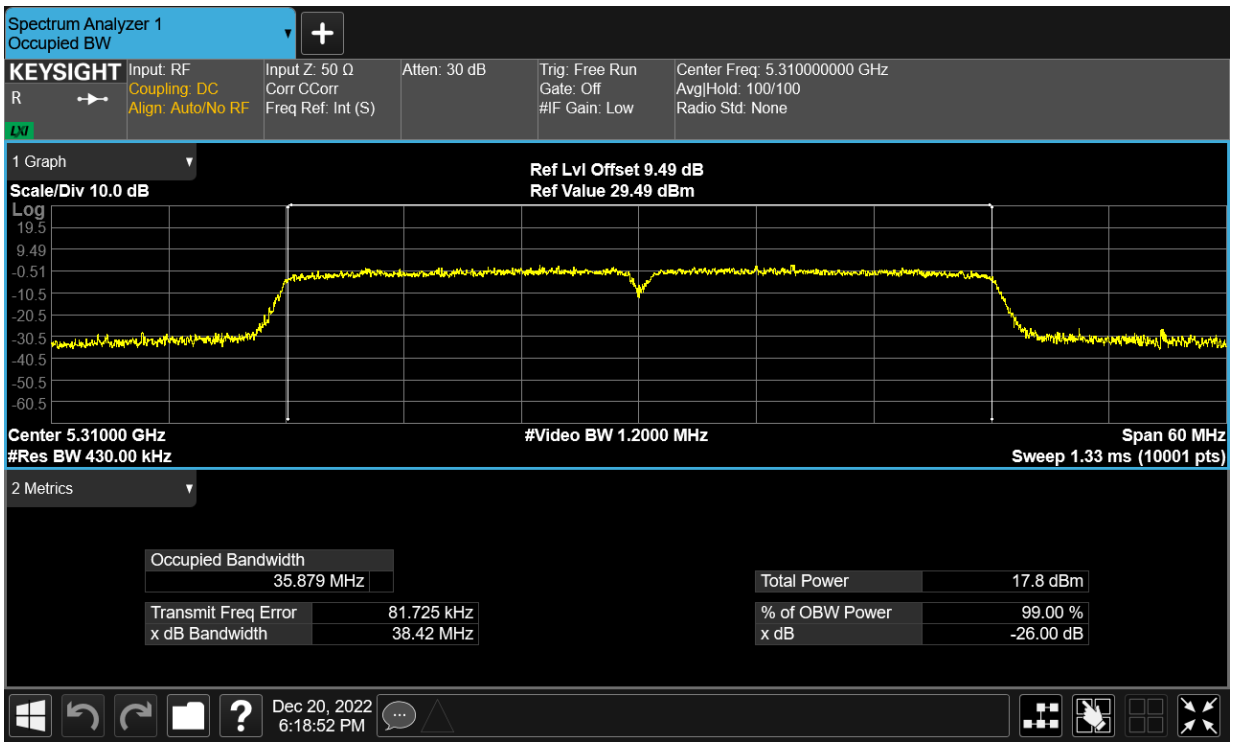
OBW NVNT n20 5320MHz Ant1



OBW NVNT n40 5270MHz Ant1



OBW NVNT n40 5310MHz Ant1

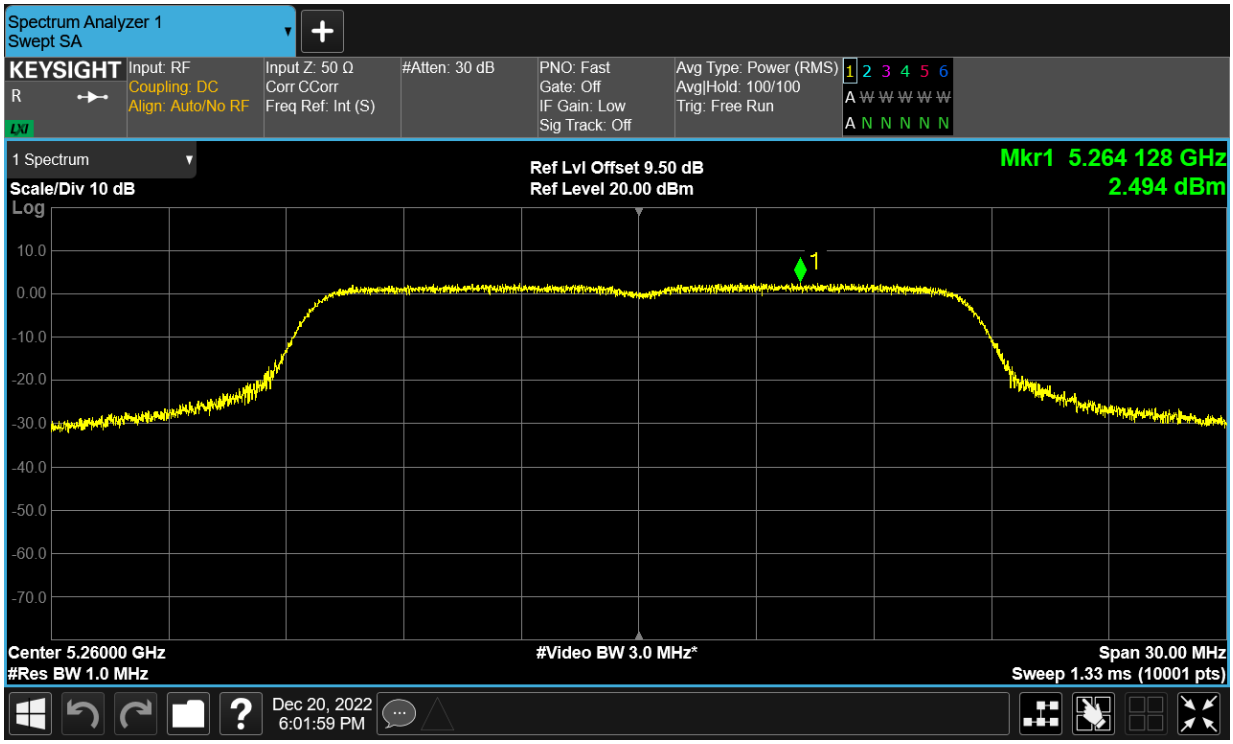


Maximum Power Spectral Density Level

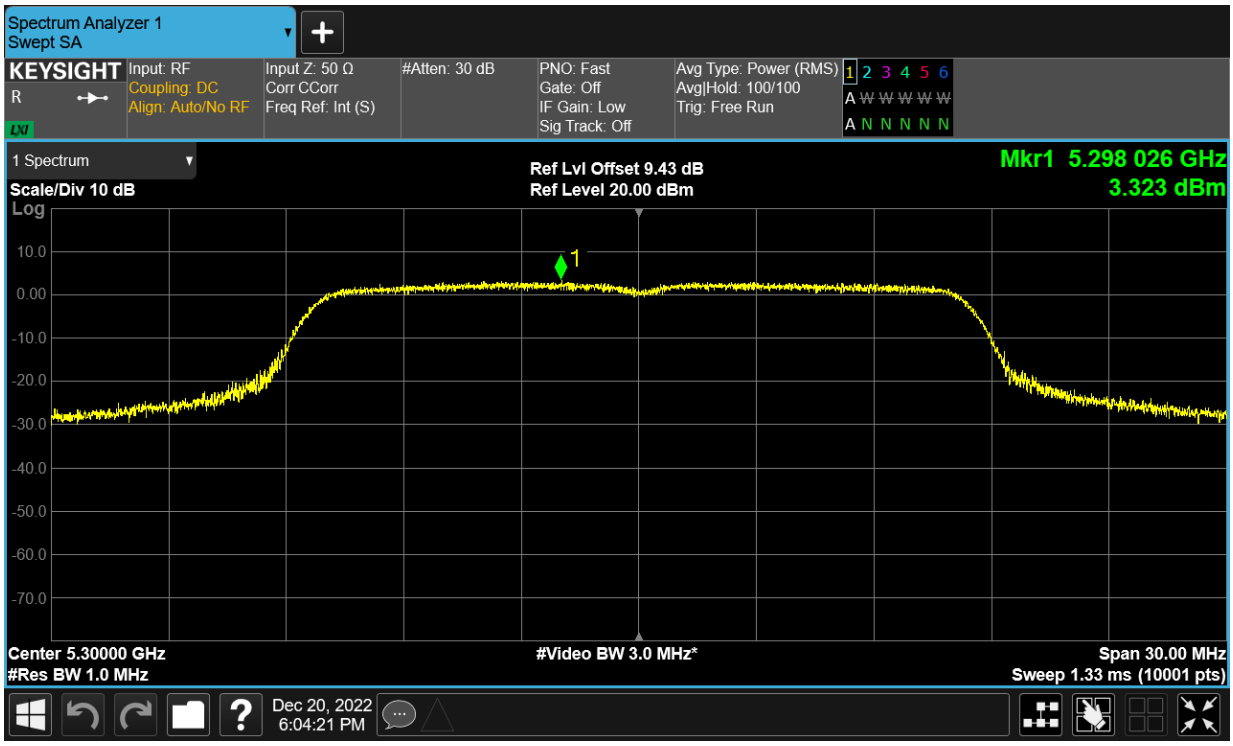
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	2.494	11	Pass
NVNT	a	5300	Ant1	3.323	11	Pass
NVNT	a	5320	Ant1	3.581	11	Pass
NVNT	n20	5260	Ant1	0.923	11	Pass
NVNT	n20	5300	Ant1	1.486	11	Pass
NVNT	n20	5320	Ant1	1.577	11	Pass
NVNT	n40	5270	Ant1	-1.709	11	Pass
NVNT	n40	5310	Ant1	-1.887	11	Pass

Test Graphs

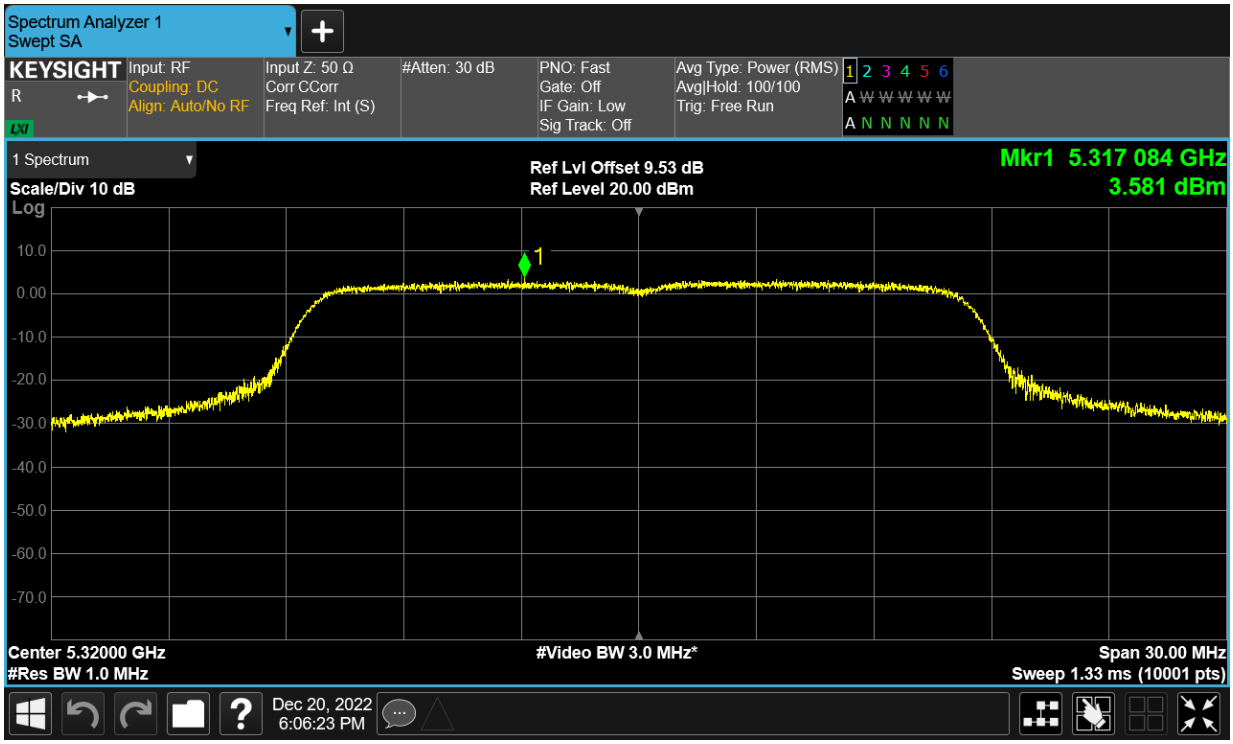
PSD NVNT a 5260MHz Ant1



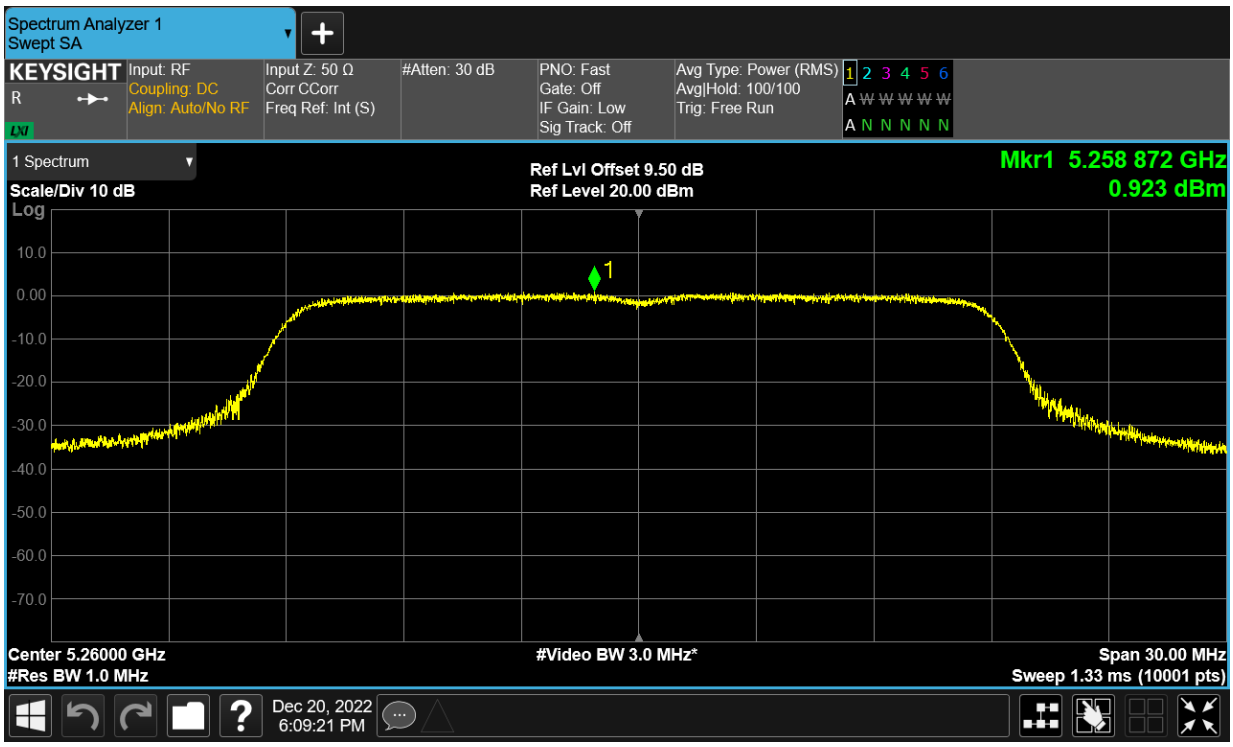
PSD NVNT a 5300MHz Ant1



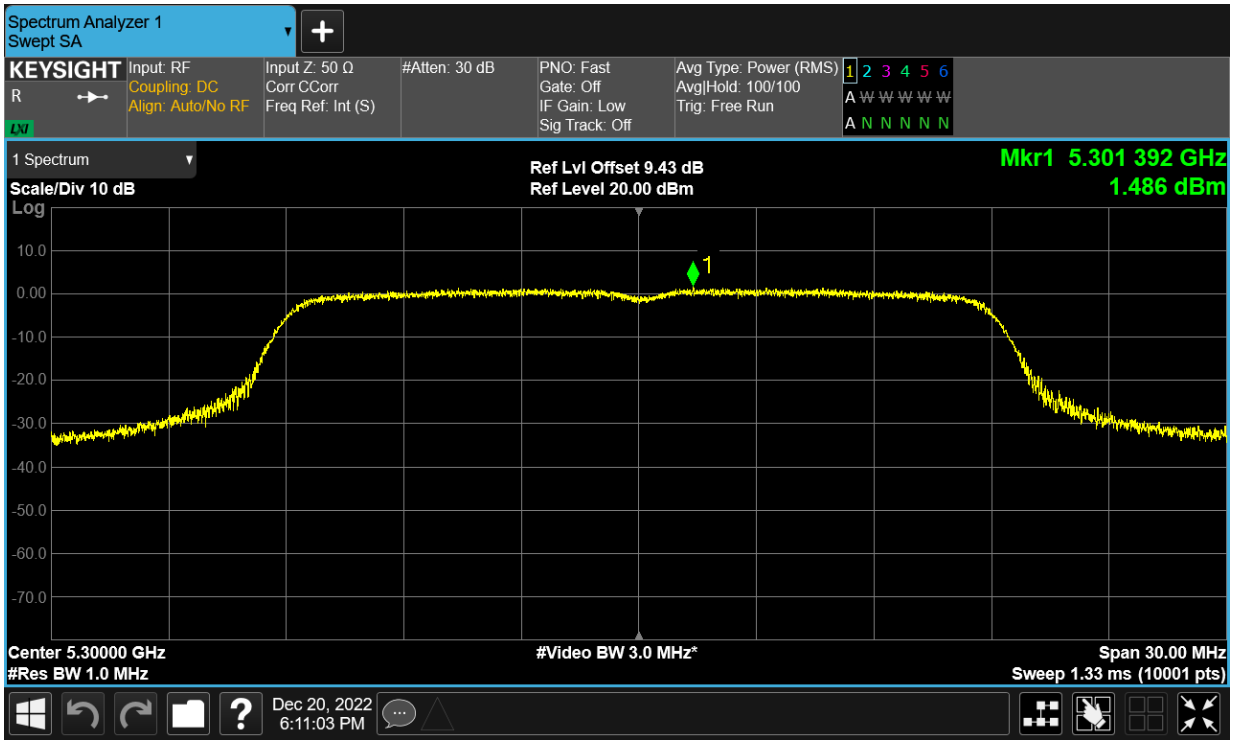
PSD NVNT a 5320MHz Ant1



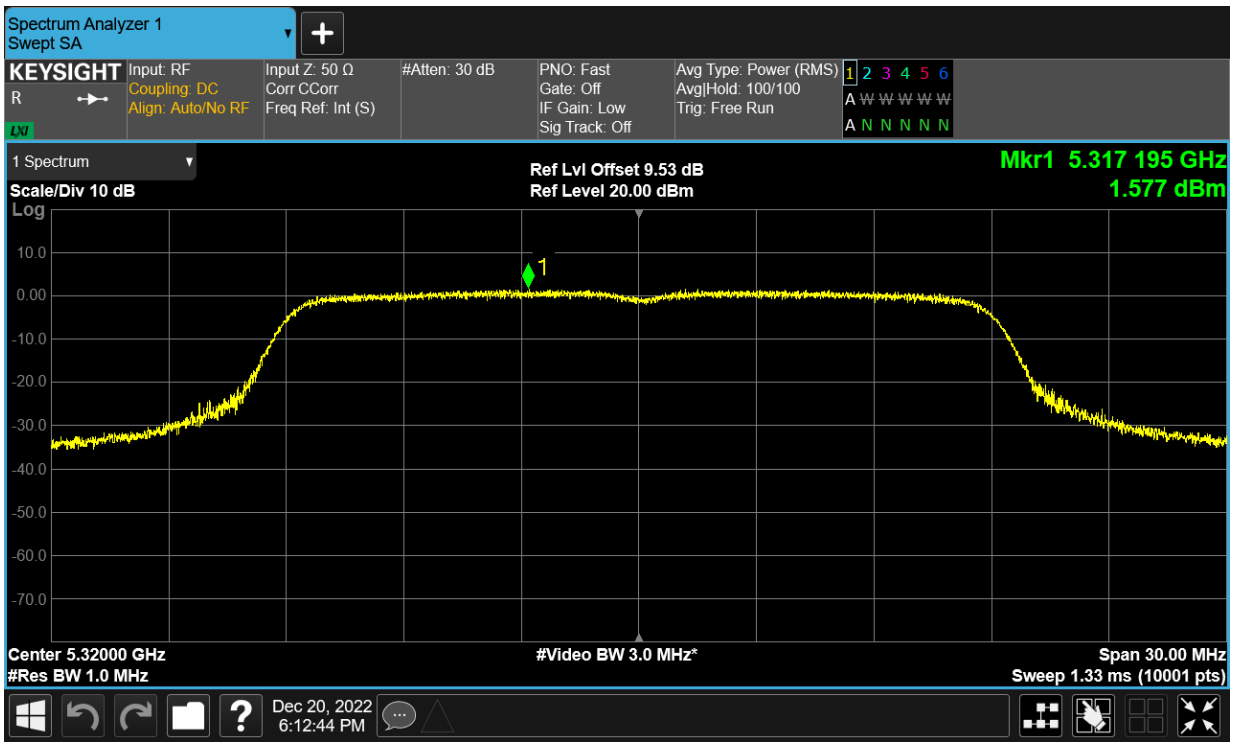
PSD NVNT n20 5260MHz Ant1



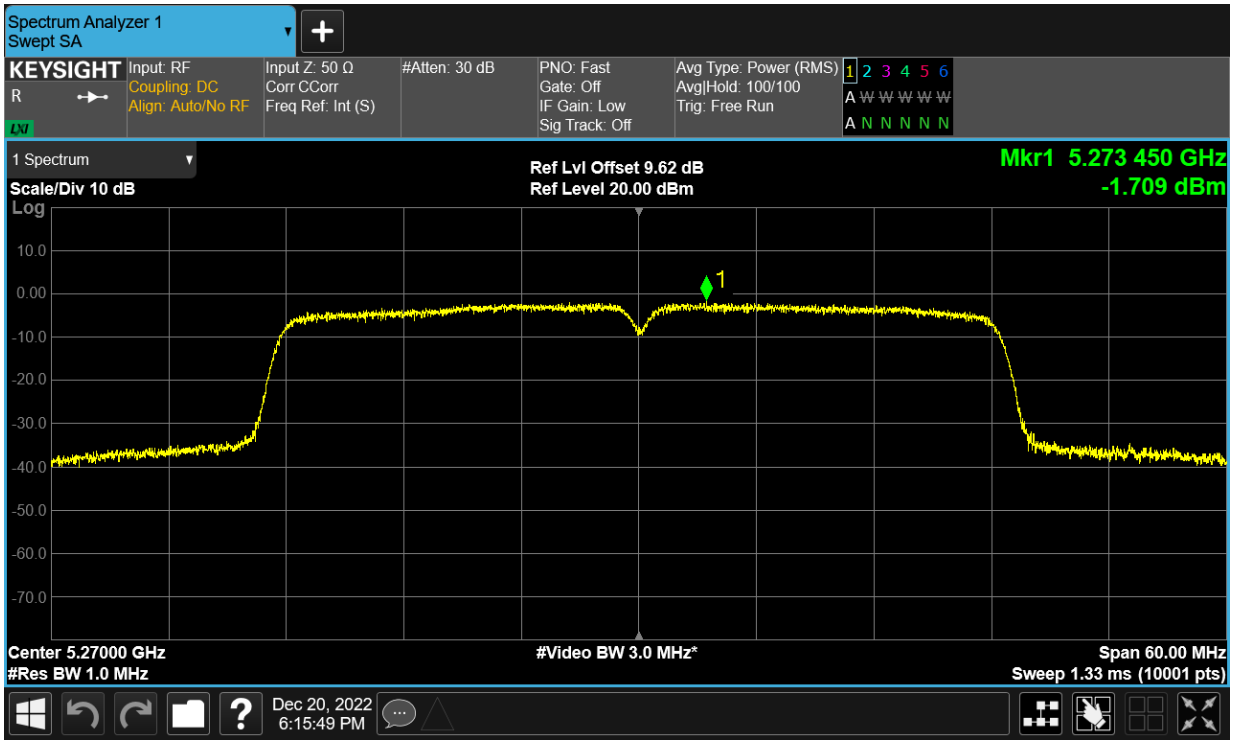
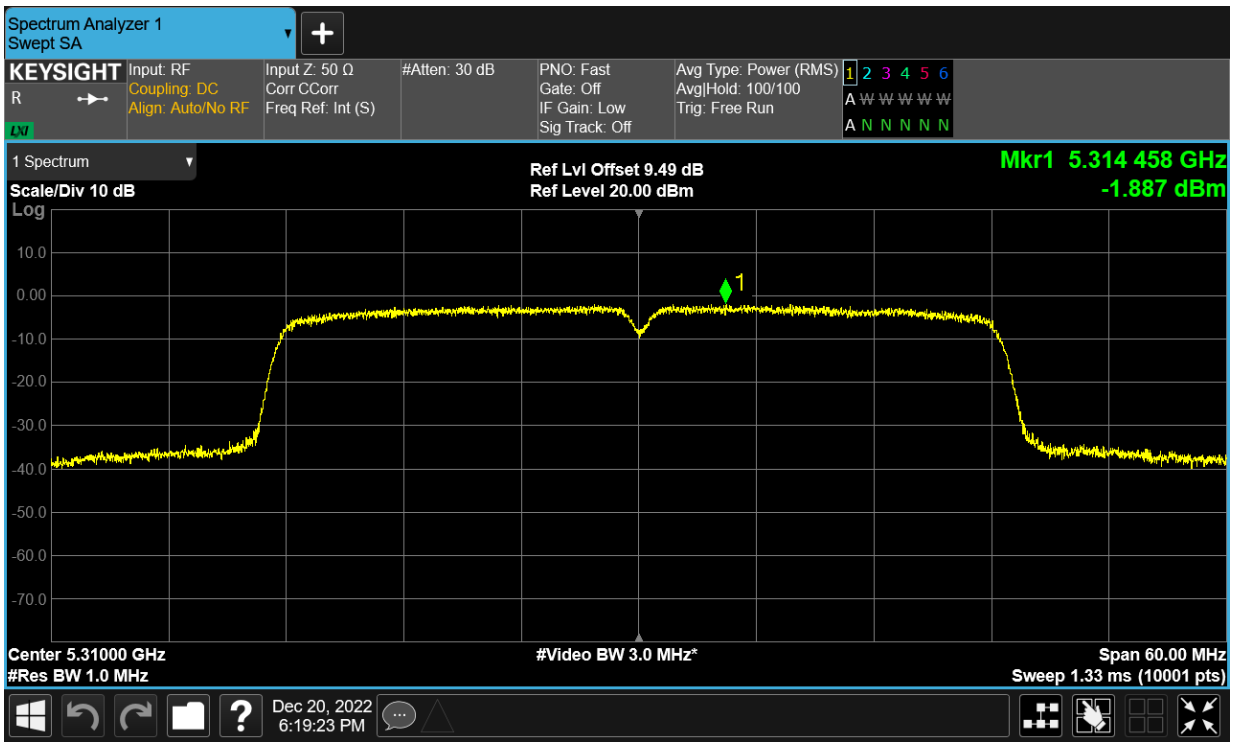
PSD NVNT n20 5300MHz Ant1



PSD NVNT n20 5320MHz Ant1



PSD NVNT n40 5270MHz Ant1



PSD NVNT n40 5310MHz Ant1