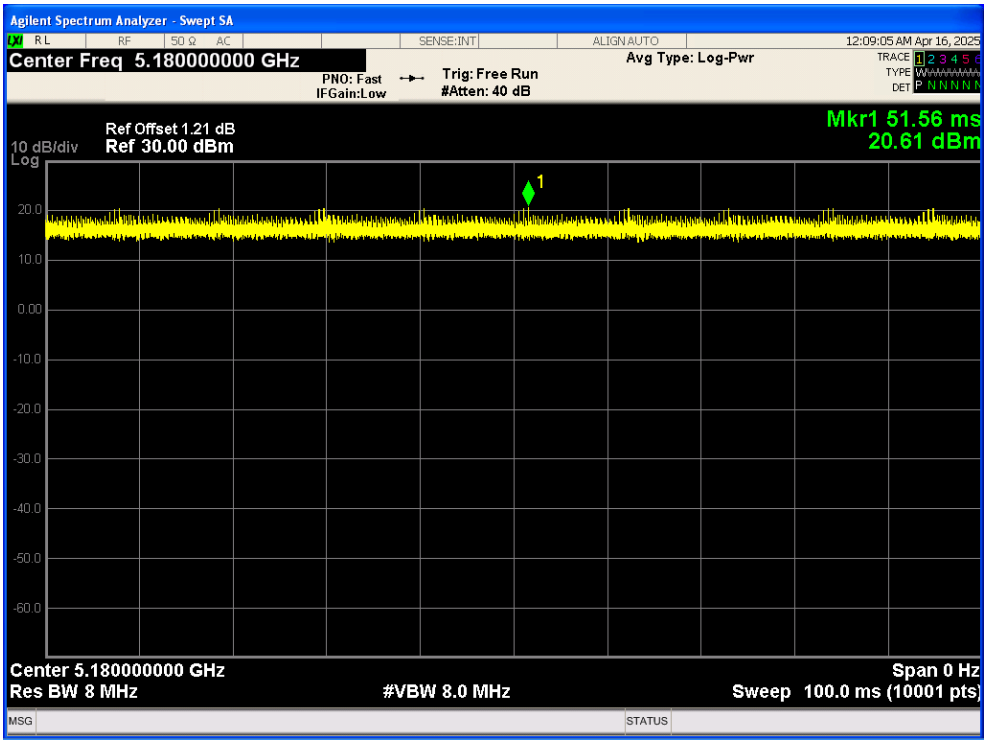
5.2G WIFI

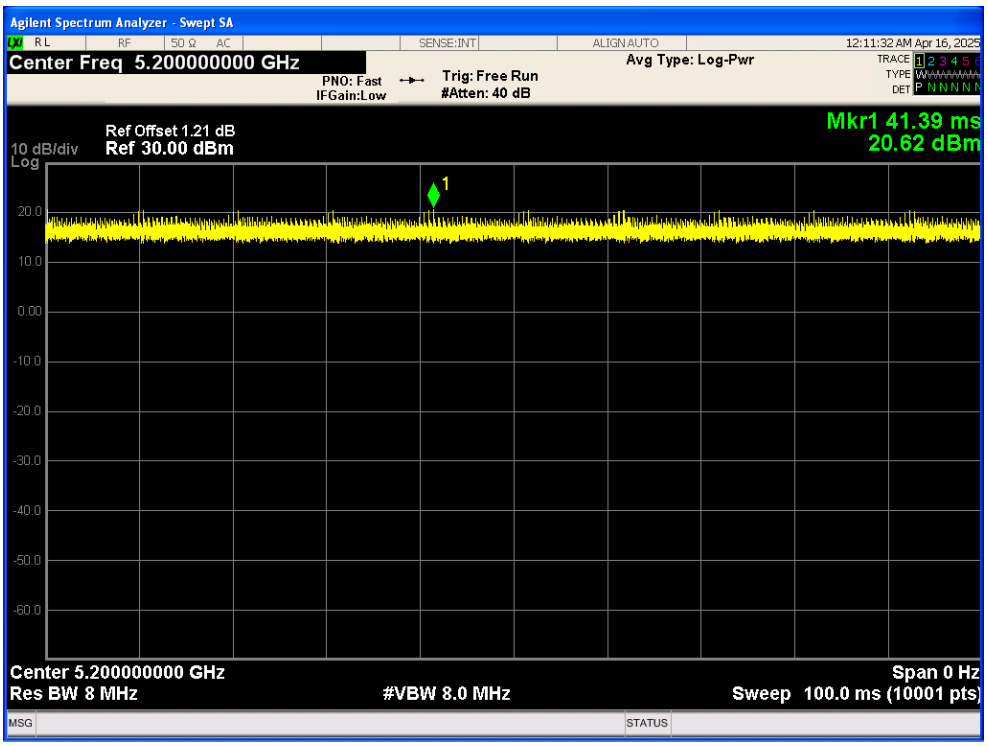
Duty Cycle

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	a	5180	Ant2	100	0
NVNT	a	5200	Ant2	100	0
NVNT	a	5240	Ant2	100	0
NVNT	ac20	5180	Ant1	100	0
NVNT	ac20	5200	Ant1	100	0
NVNT	ac20	5240	Ant1	100	0
NVNT	ac20	5180	Ant2	100	0
NVNT	ac20	5200	Ant2	100	0
NVNT	ac20	5240	Ant2	100	0
NVNT	ac40	5190	Ant1	100	0
NVNT	ac40	5230	Ant1	100	0
NVNT	ac40	5190	Ant2	100	0
NVNT	ac40	5230	Ant2	100	0
NVNT	ac80	5210	Ant1	100	0
NVNT	ac80	5210	Ant2	100	0
NVNT	n20	5180	Ant1	100	0
NVNT	n20	5200	Ant1	100	0
NVNT	n20	5240	Ant1	100	0
NVNT	n20	5180	Ant2	100	0
NVNT	n20	5200	Ant2	100	0
NVNT	n20	5240	Ant2	100	0
NVNT	n40	5190	Ant1	100	0
NVNT	n40	5230	Ant1	100	0
NVNT	n40	5190	Ant2	100	0
NVNT	n40	5230	Ant2	100	0

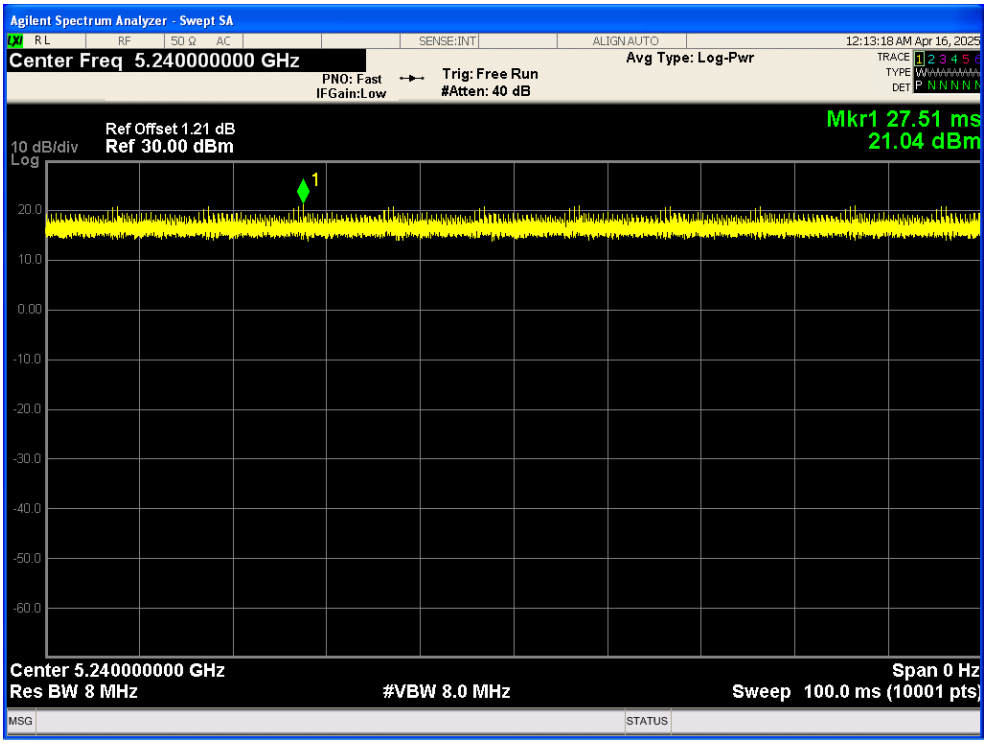
Duty Cycle NVNT a 5180MHz Ant1



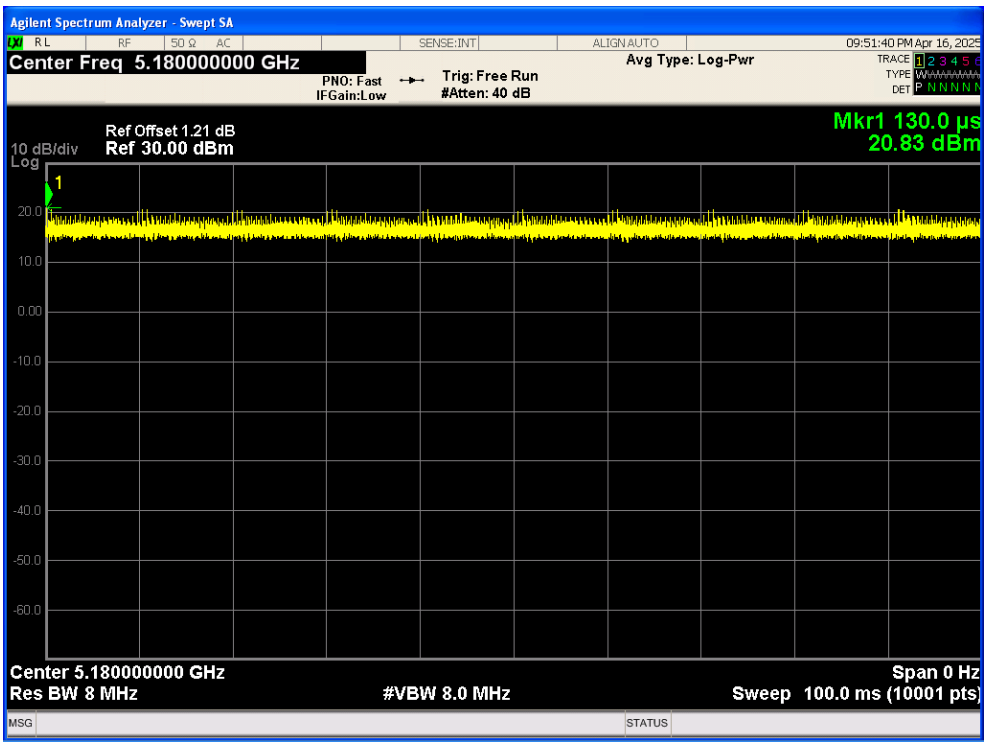
Duty Cycle NVNT a 5200MHz Ant1



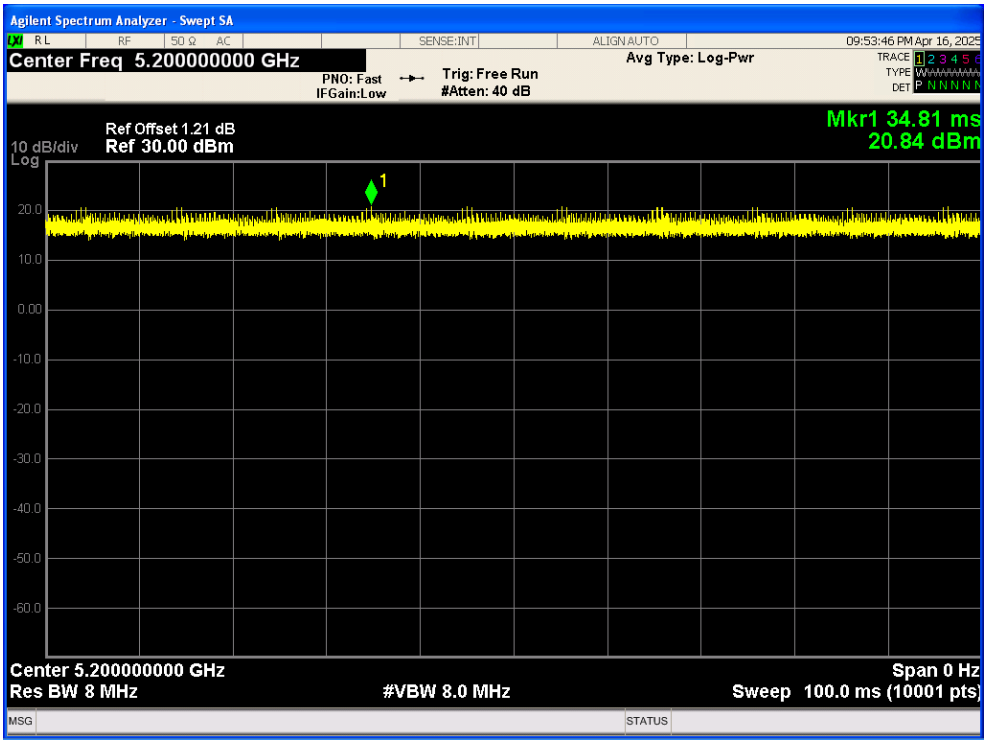
Duty Cycle NVNT a 5240MHz Ant1



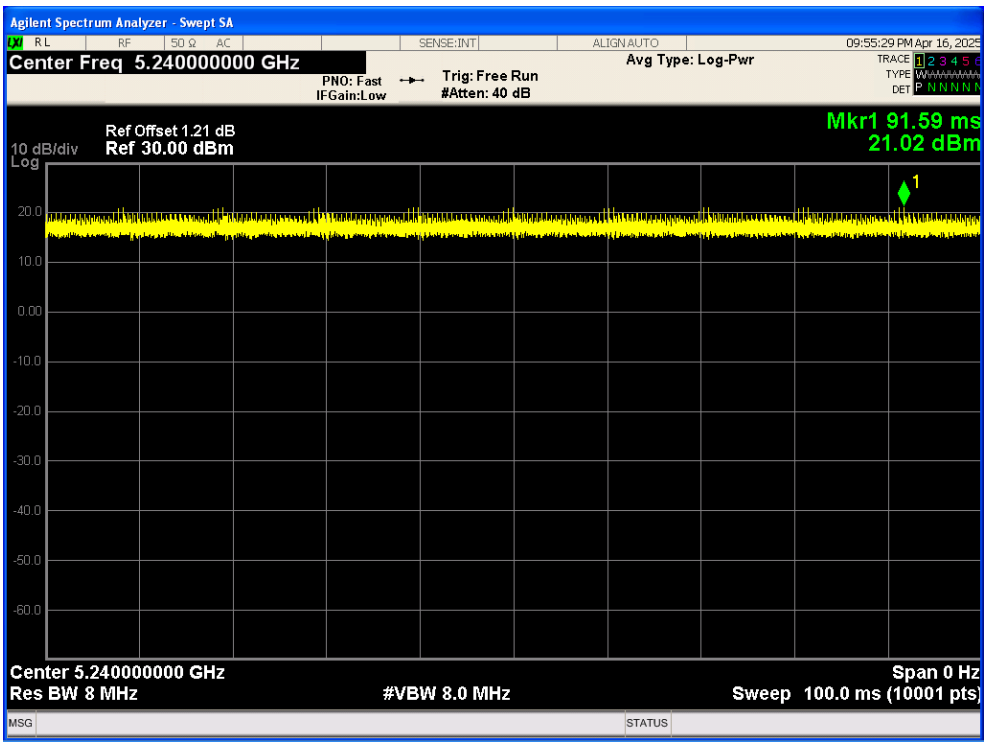
Duty Cycle NVNT a 5180MHz Ant2



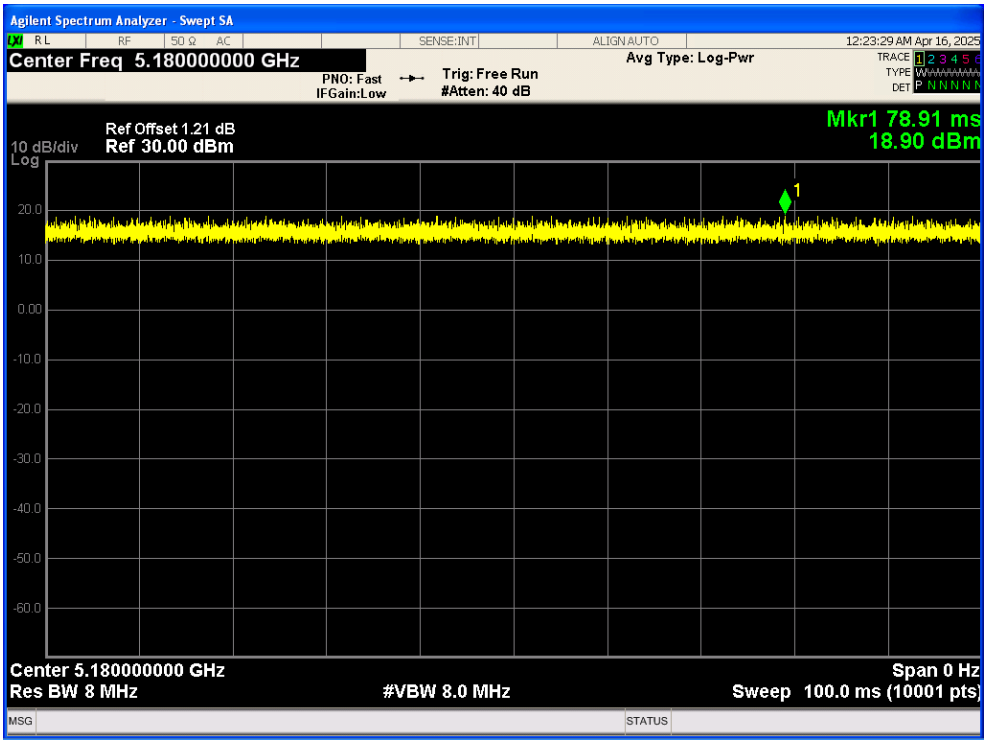
Duty Cycle NVNT a 5200MHz Ant2



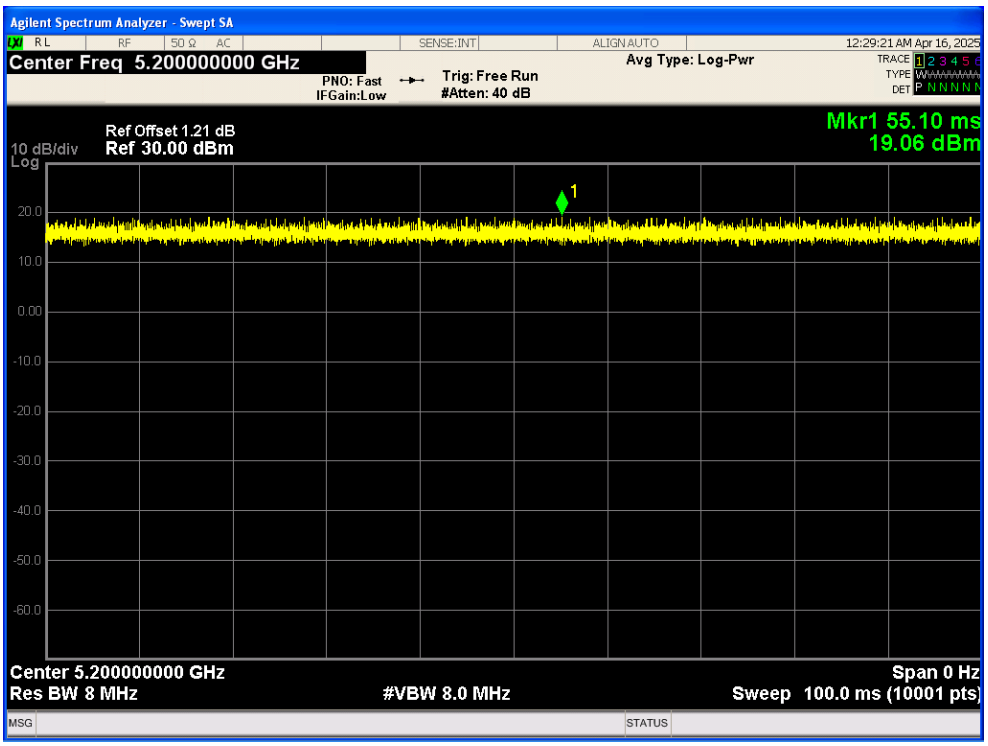
Duty Cycle NVNT a 5240MHz Ant2



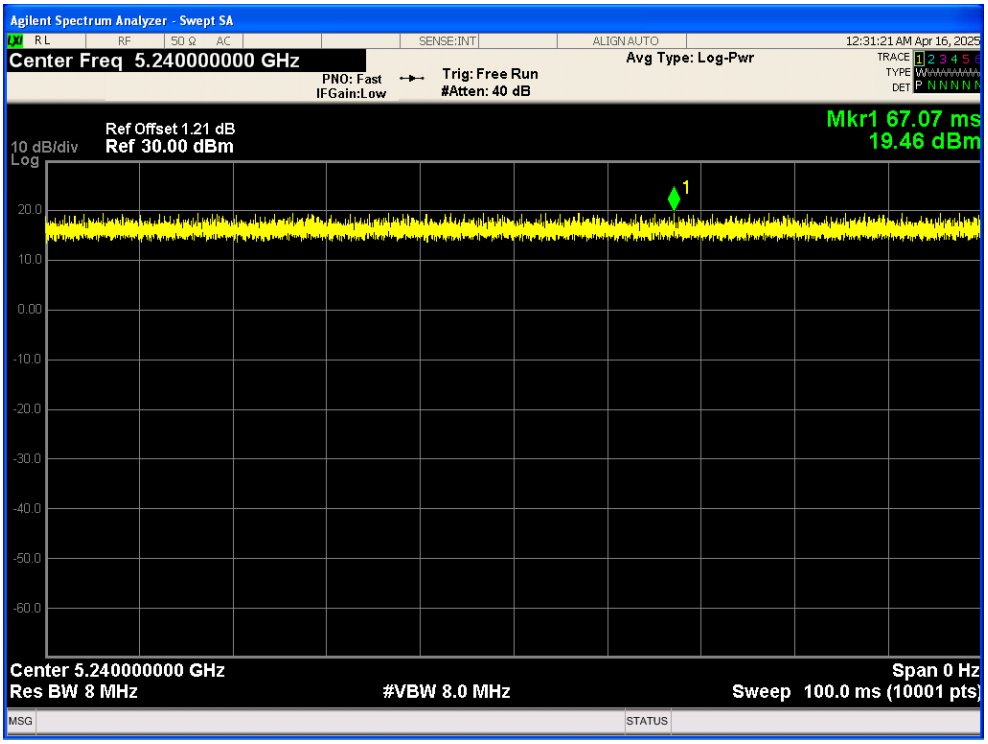
Duty Cycle NVNT ac20 5180MHz Ant1



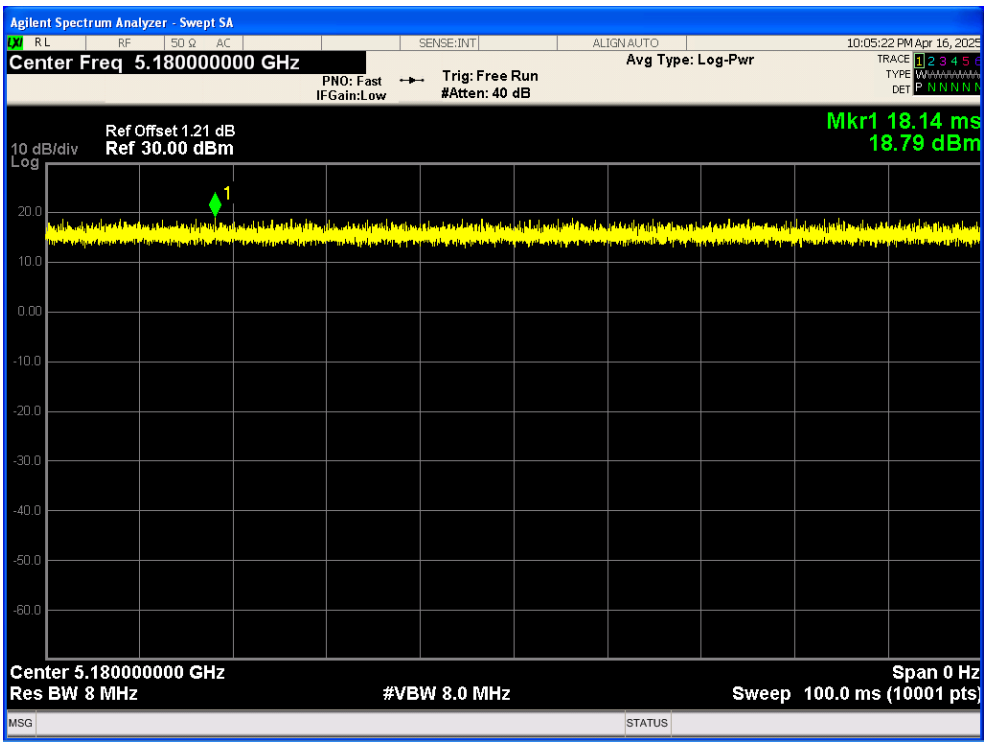
Duty Cycle NVNT ac20 5200MHz Ant1



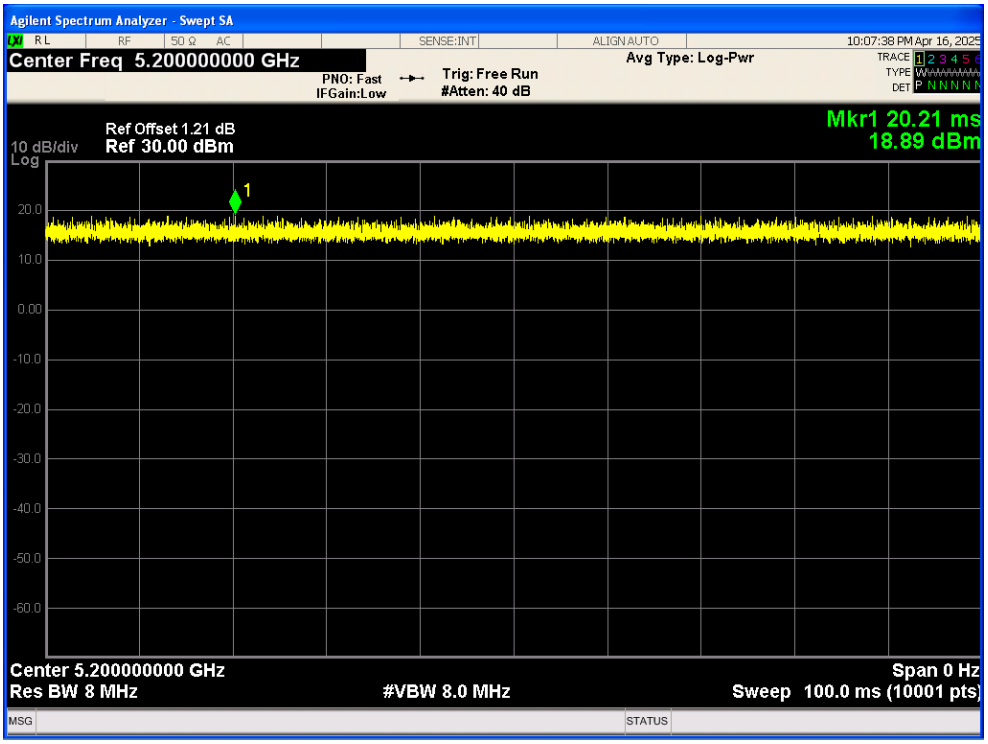
Duty Cycle NVNT ac20 5240MHz Ant1



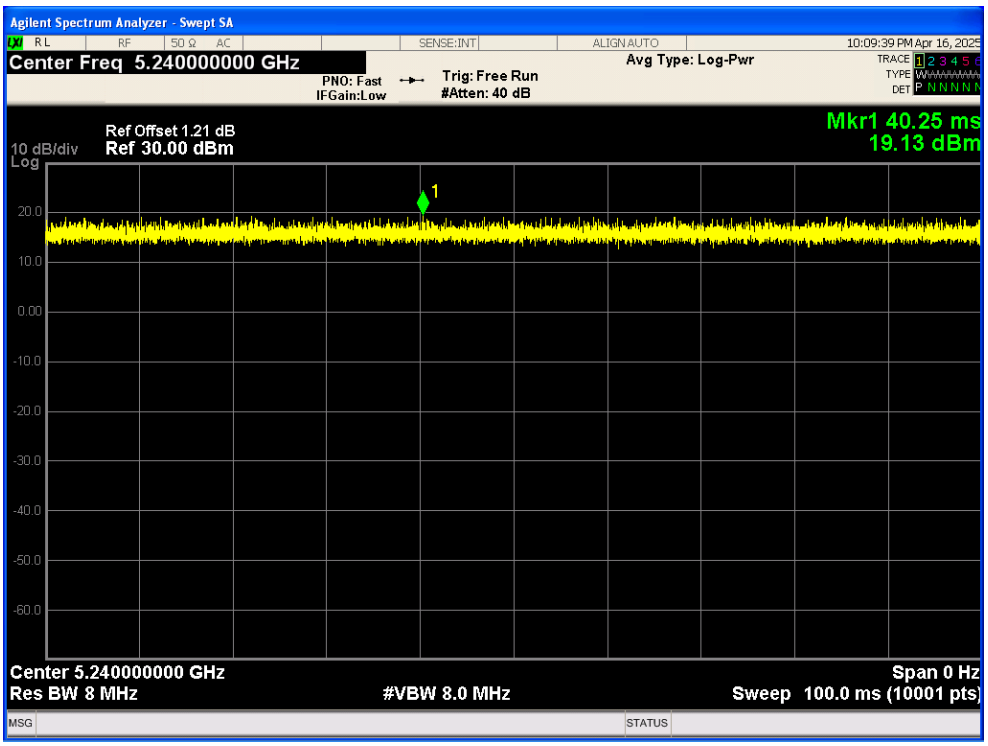
Duty Cycle NVNT ac20 5180MHz Ant2



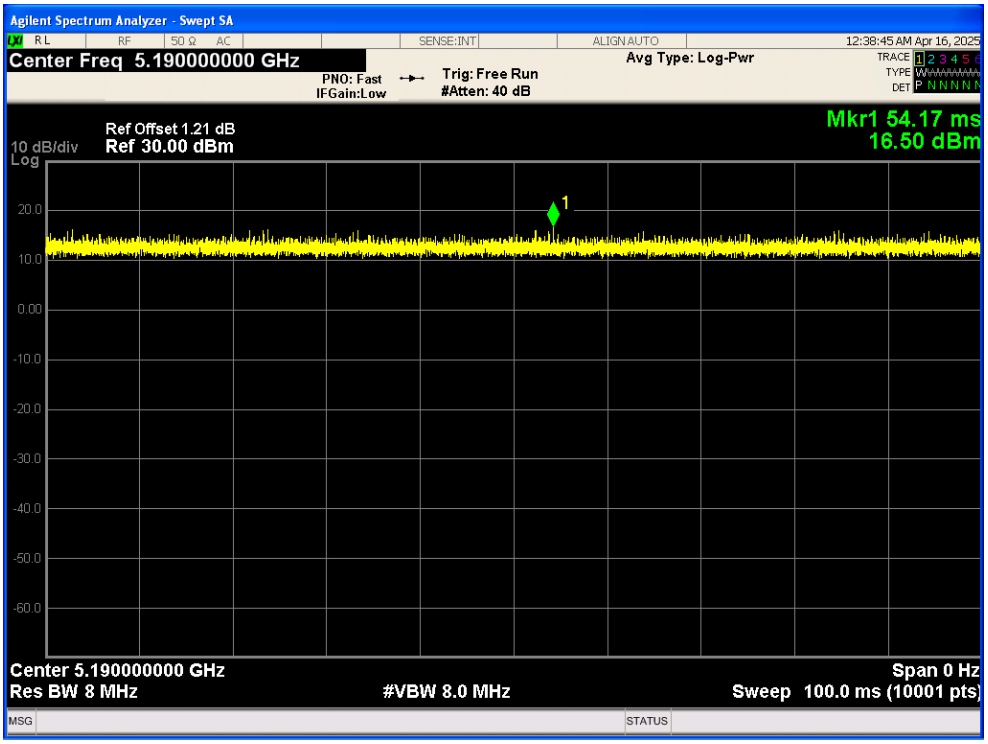
Duty Cycle NVNT ac20 5200MHz Ant2



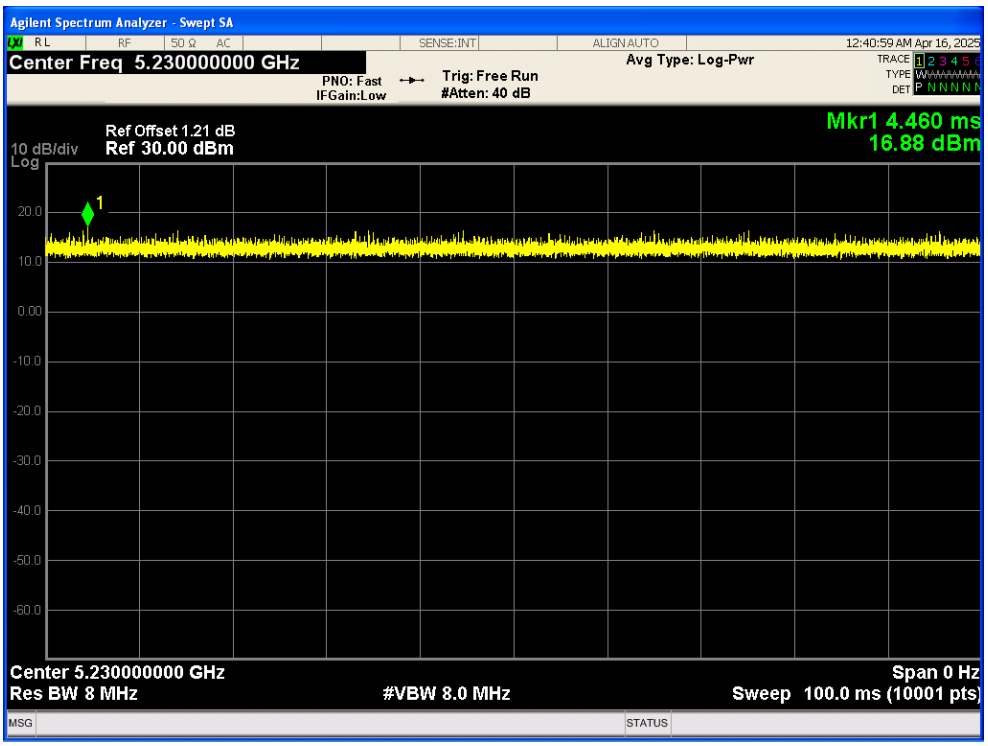
Duty Cycle NVNT ac20 5240MHz Ant2



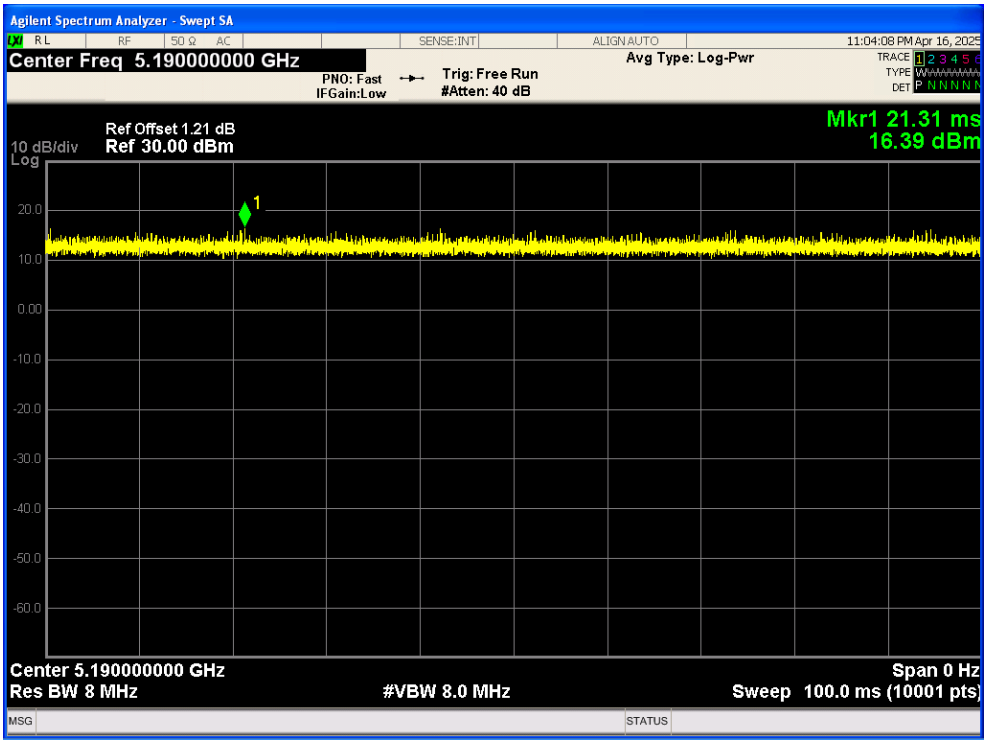
Duty Cycle NVNT ac40 5190MHz Ant1



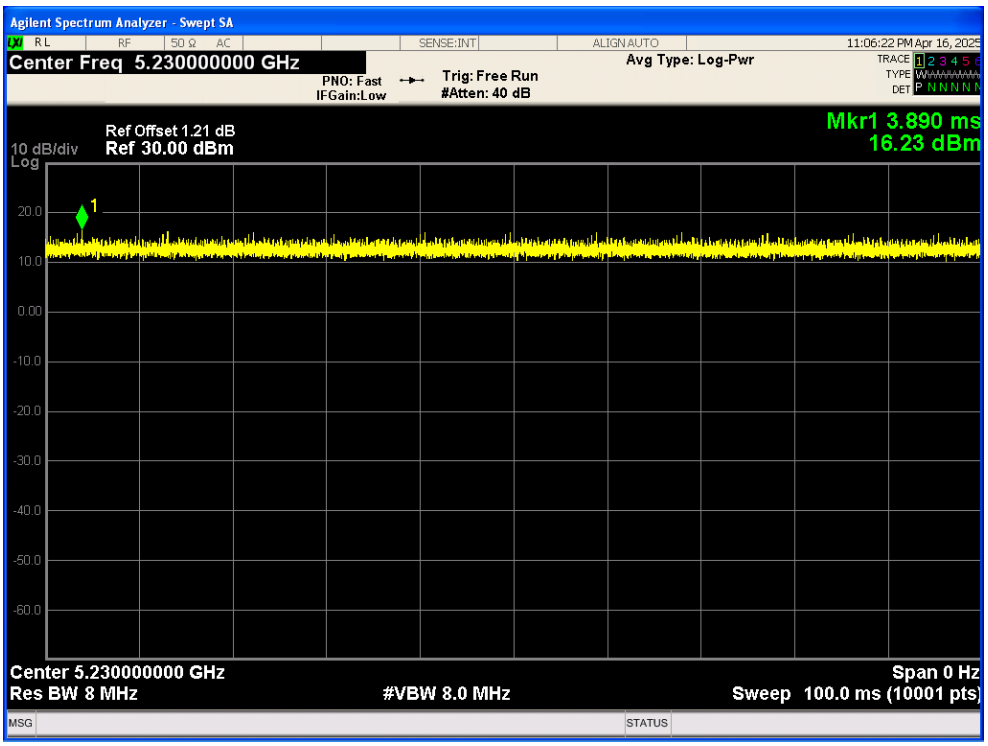
Duty Cycle NVNT ac40 5230MHz Ant1



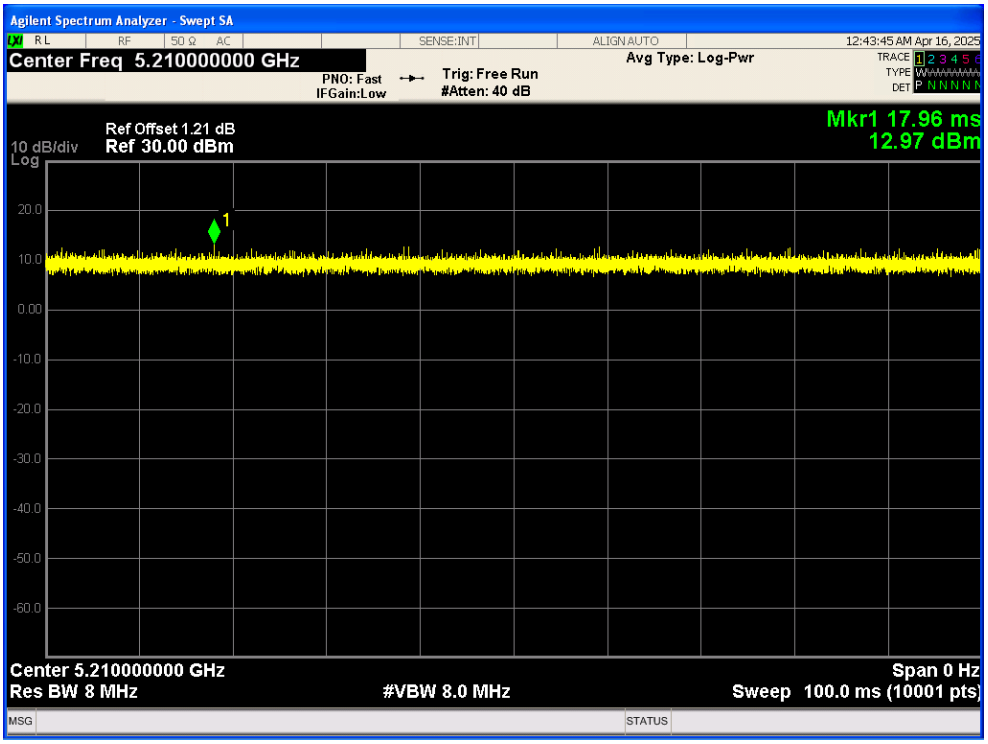
Duty Cycle NVNT ac40 5190MHz Ant2



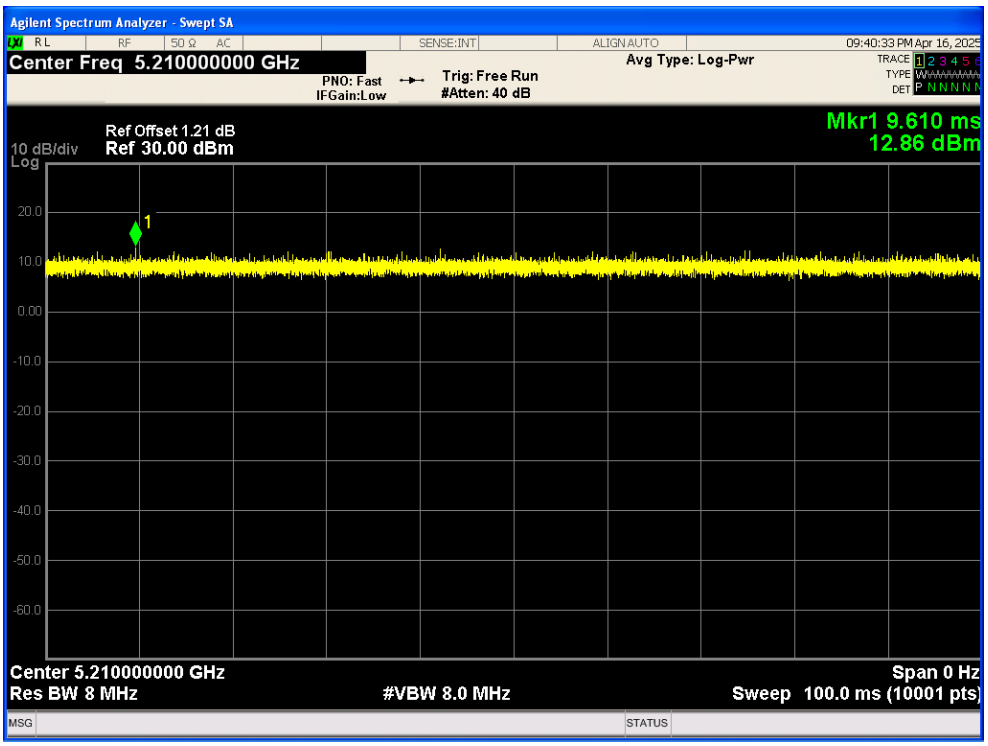
Duty Cycle NVNT ac40 5230MHz Ant2



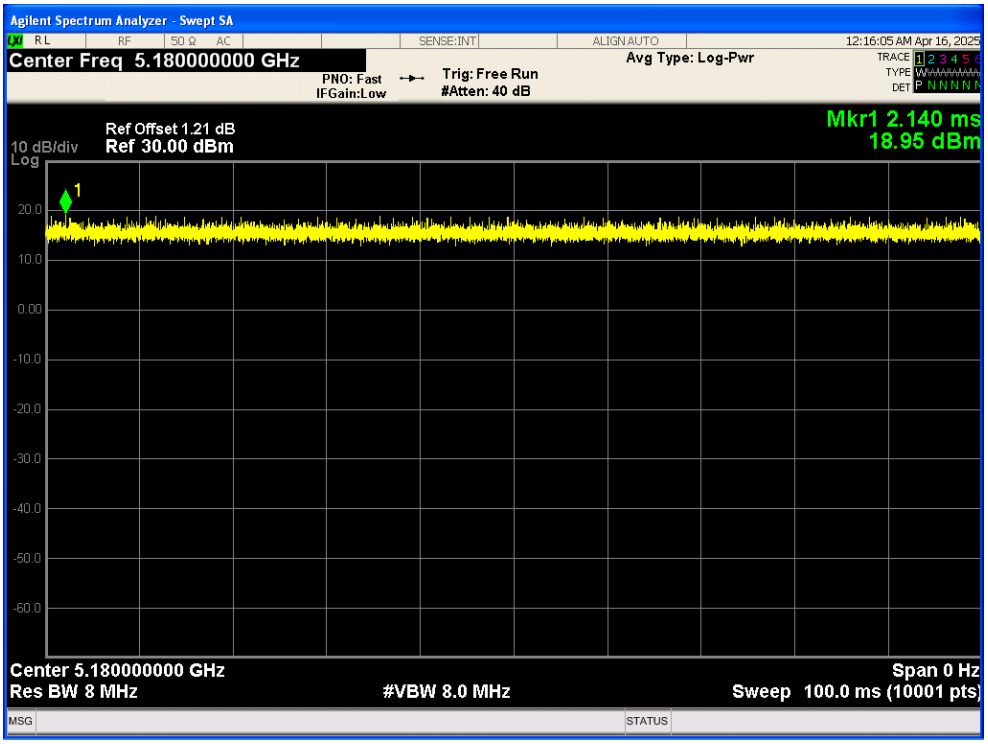
Duty Cycle NVNT ac80 5210MHz Ant1



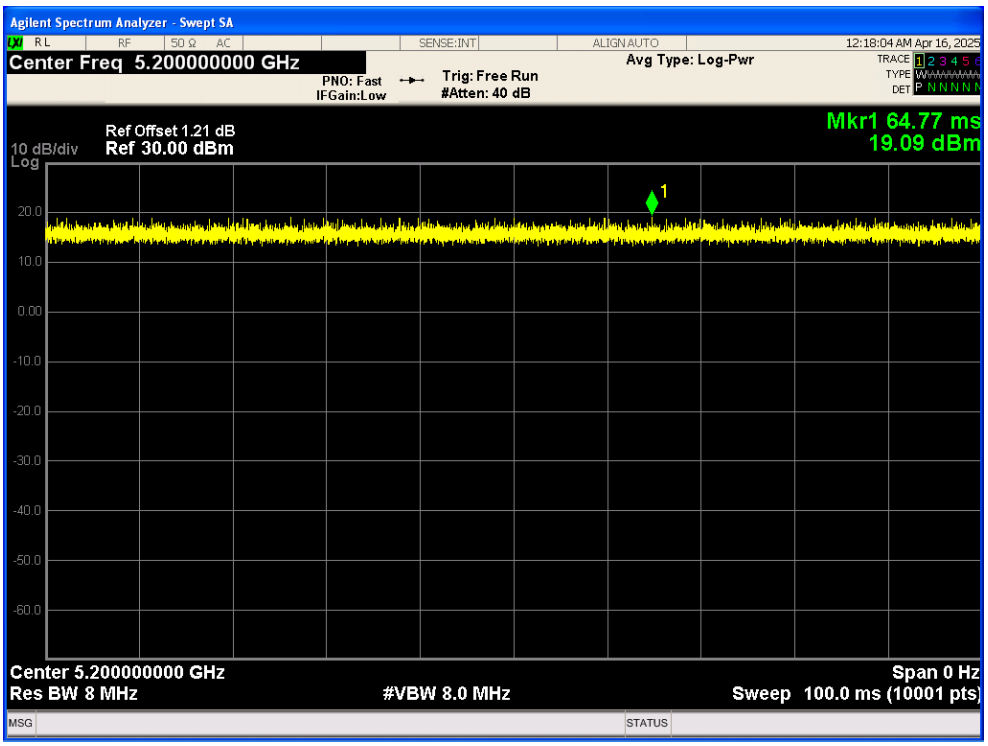
Duty Cycle NVNT ac80 5210MHz Ant2



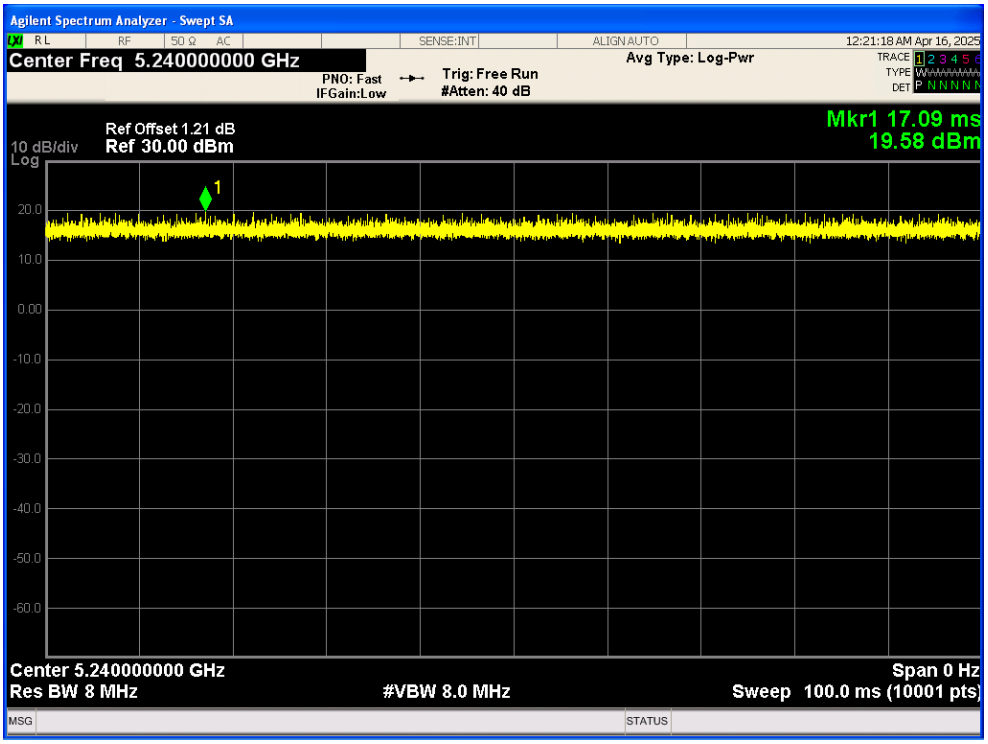
Duty Cycle NVNT n20 5180MHz Ant1



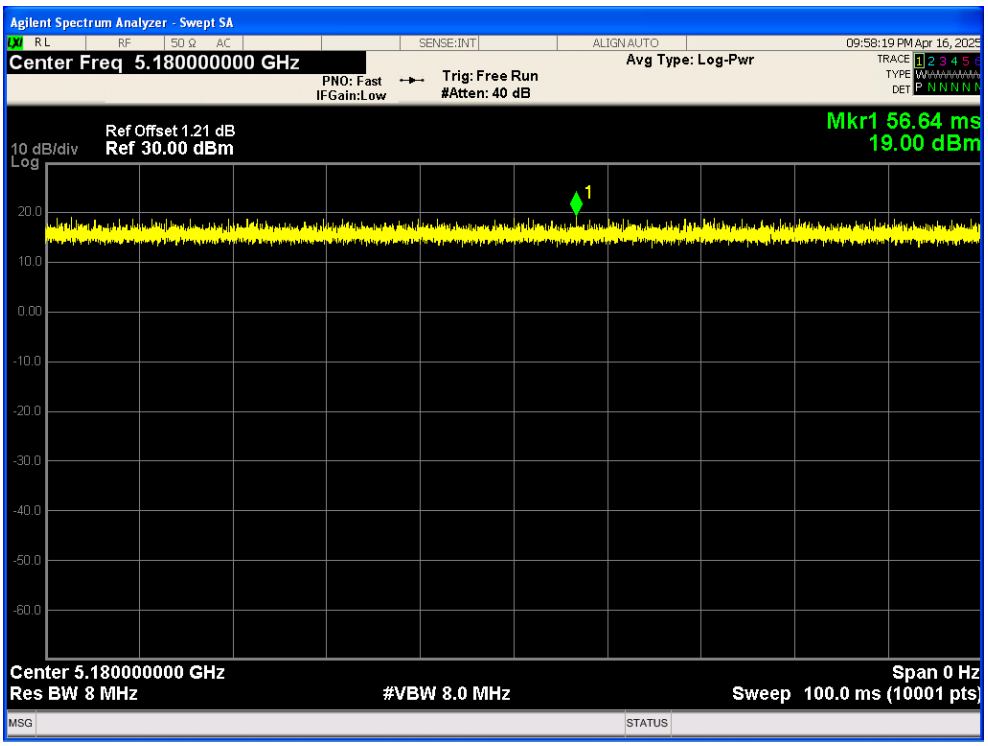
Duty Cycle NVNT n20 5200MHz Ant1



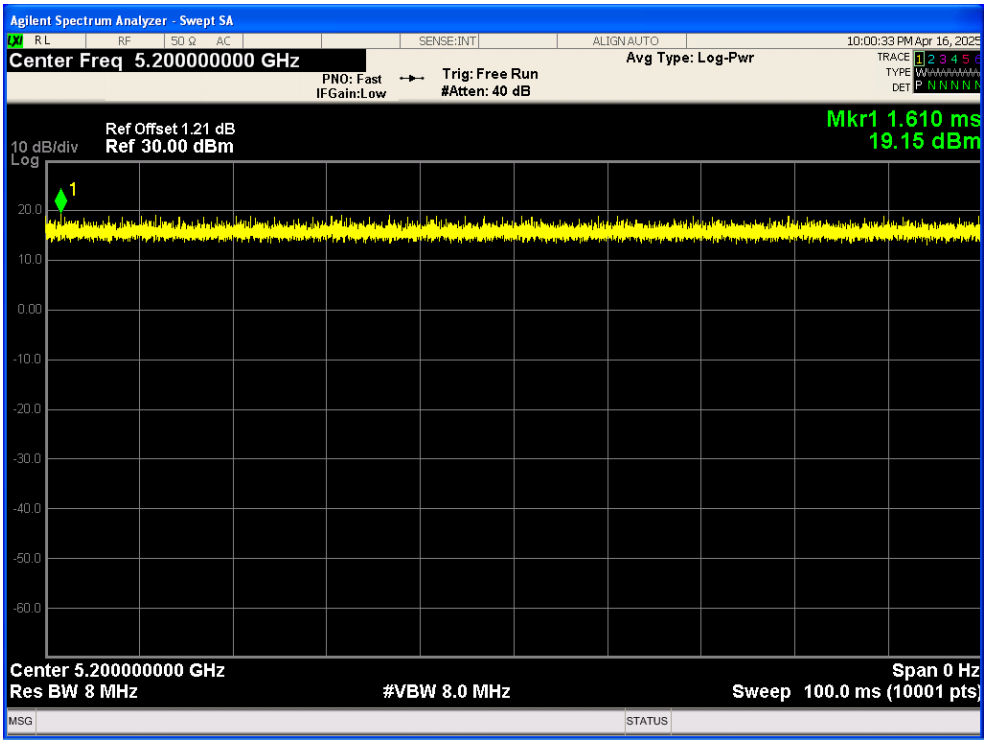
Duty Cycle NVNT n20 5240MHz Ant1



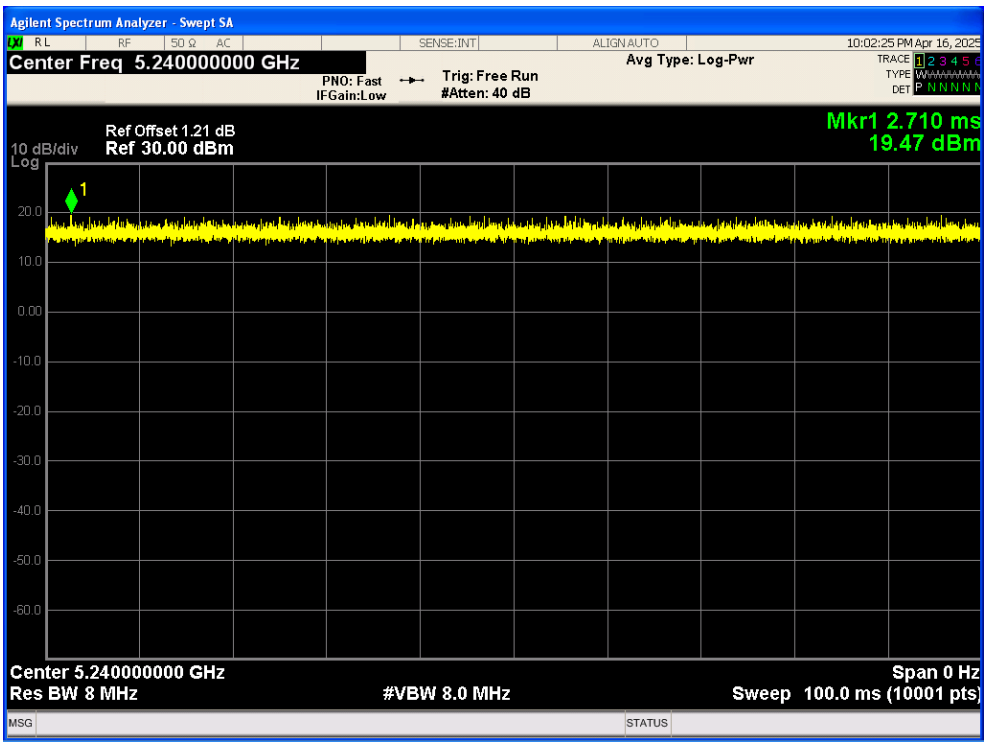
Duty Cycle NVNT n20 5180MHz Ant2



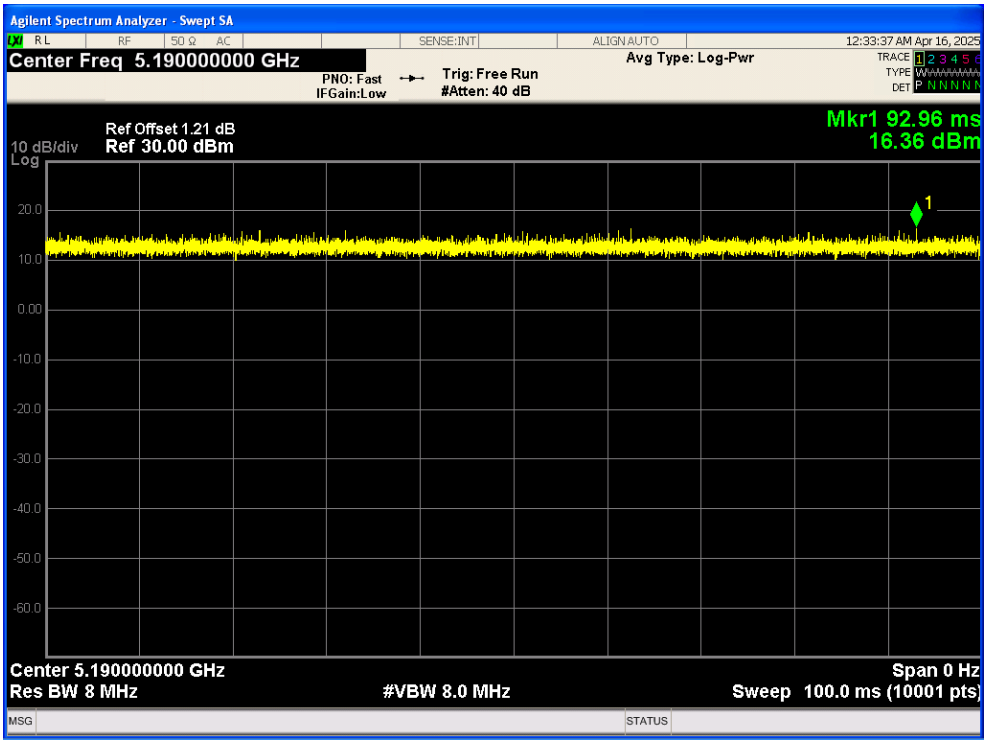
Duty Cycle NVNT n20 5200MHz Ant2



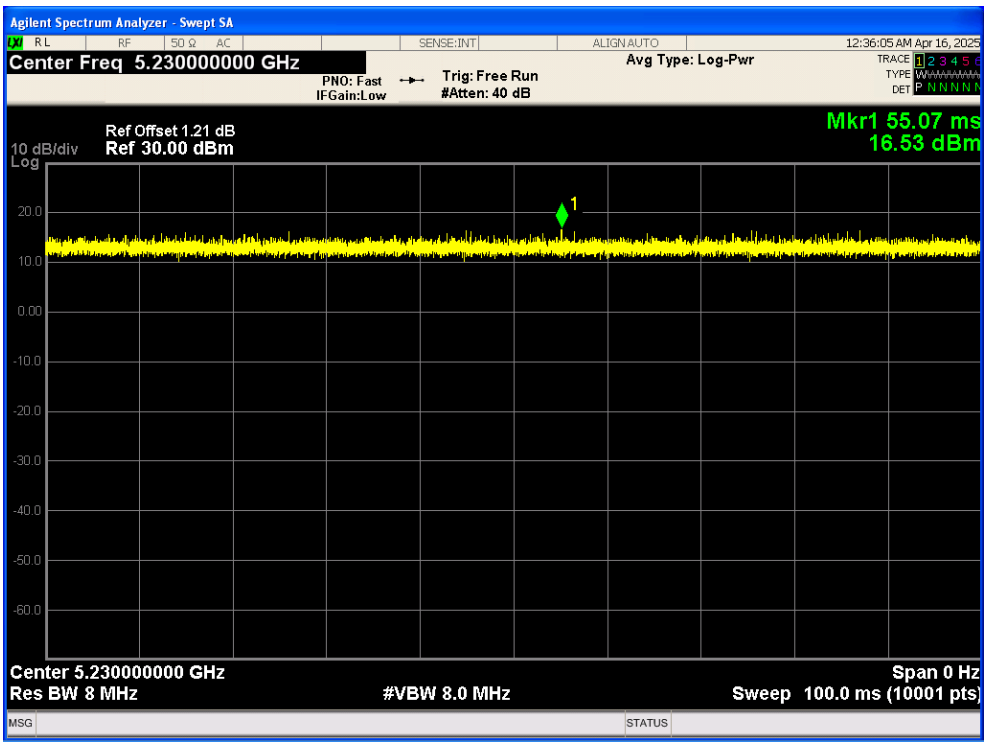
Duty Cycle NVNT n20 5240MHz Ant2



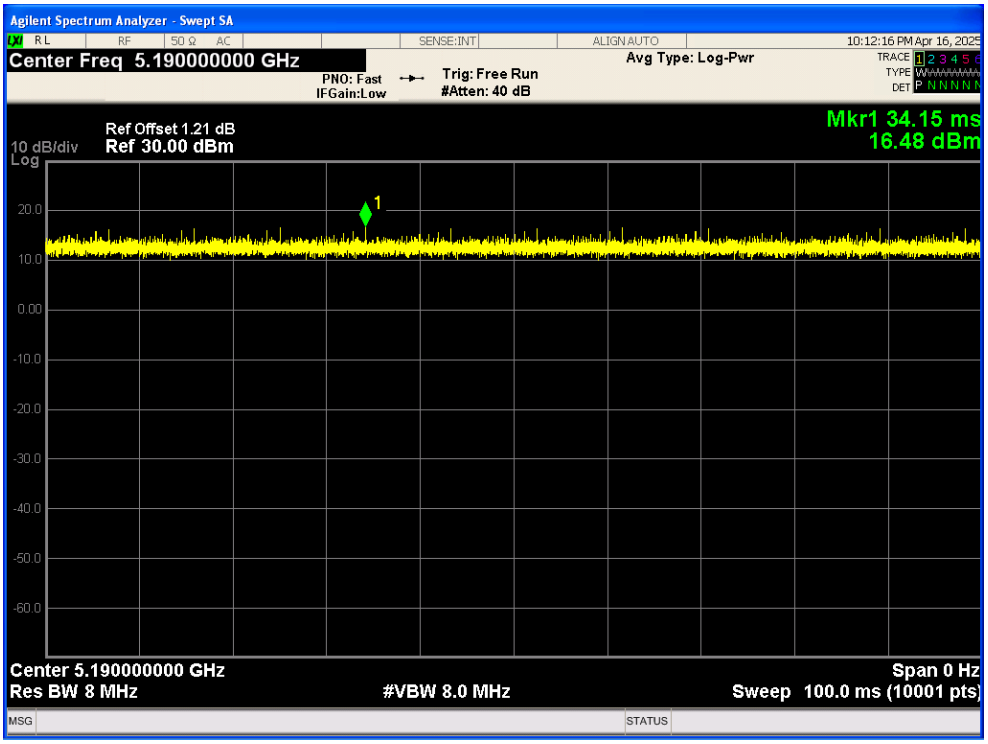
Duty Cycle NVNT n40 5190MHz Ant1



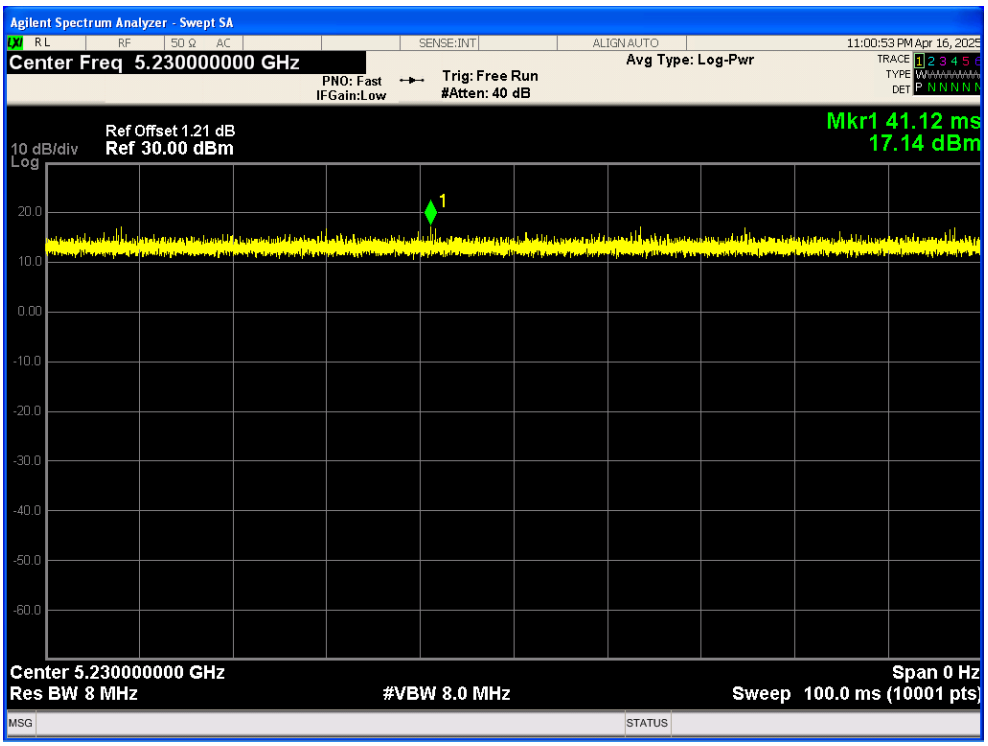
Duty Cycle NVNT n40 5230MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant2



Duty Cycle NVNT n40 5230MHz Ant2



Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	12.79	24	Pass
NVNT	a	5200	Ant1	12.761	24	Pass
NVNT	a	5240	Ant1	12.975	24	Pass

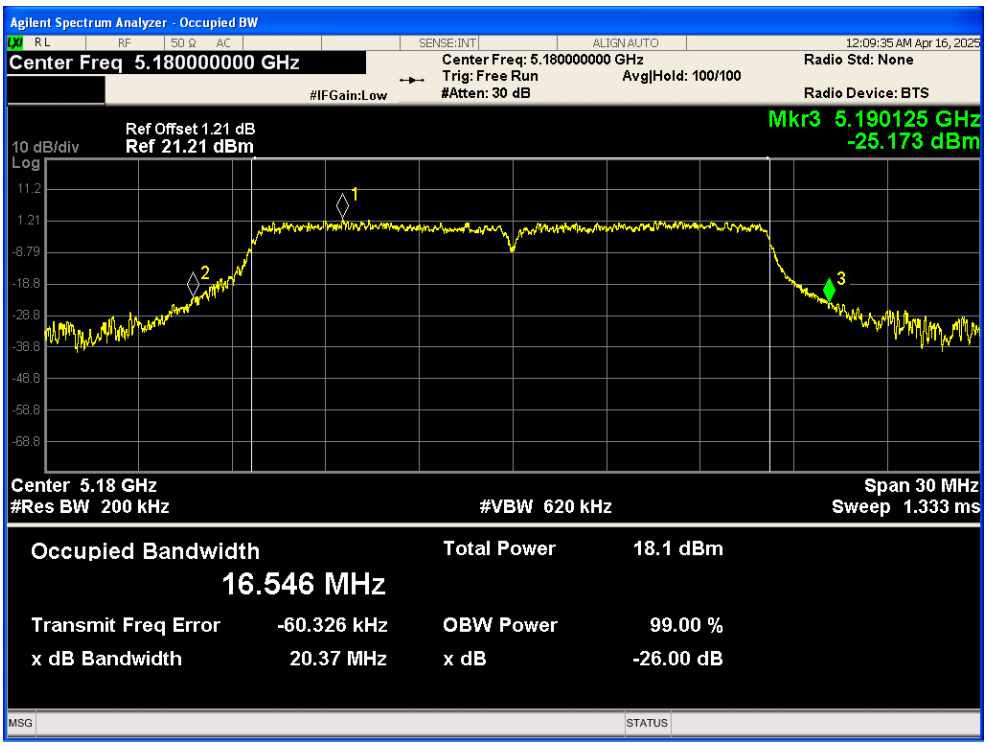
NVNT	a	5180	Ant2	13.351	24	Pass
NVNT	a	5200	Ant2	13.394	24	Pass
NVNT	a	5240	Ant2	13.496	24	Pass
NVNT	ac20	5180	Ant1	12.285	24	Pass
NVNT	ac20	5200	Ant1	12.356	24	Pass
NVNT	ac20	5240	Ant1	12.546	24	Pass
NVNT	ac20	5180	Ant2	12.223	24	Pass
NVNT	ac20	5200	Ant2	12.231	24	Pass
NVNT	ac20	5240	Ant2	12.263	24	Pass
NVNT	ac40	5190	Ant1	12.516	24	Pass
NVNT	ac40	5230	Ant1	12.75	24	Pass
NVNT	ac40	5190	Ant2	12.663	24	Pass
NVNT	ac40	5230	Ant2	12.576	24	Pass
NVNT	ac80	5210	Ant1	12.658	24	Pass
NVNT	ac80	5210	Ant2	11.936	24	Pass
NVNT	n20	5180	Ant1	12.203	24	Pass
NVNT	n20	5200	Ant1	12.241	24	Pass
NVNT	n20	5240	Ant1	12.632	24	Pass
NVNT	n20	5180	Ant2	12.426	24	Pass
NVNT	n20	5200	Ant2	12.397	24	Pass
NVNT	n20	5240	Ant2	12.46	24	Pass
NVNT	n40	5190	Ant1	12.515	24	Pass
NVNT	n40	5230	Ant1	12.811	24	Pass
NVNT	n40	5190	Ant2	12.351	24	Pass
NVNT	n40	5230	Ant2	12.938	24	Pass

-26dB Bandwidth

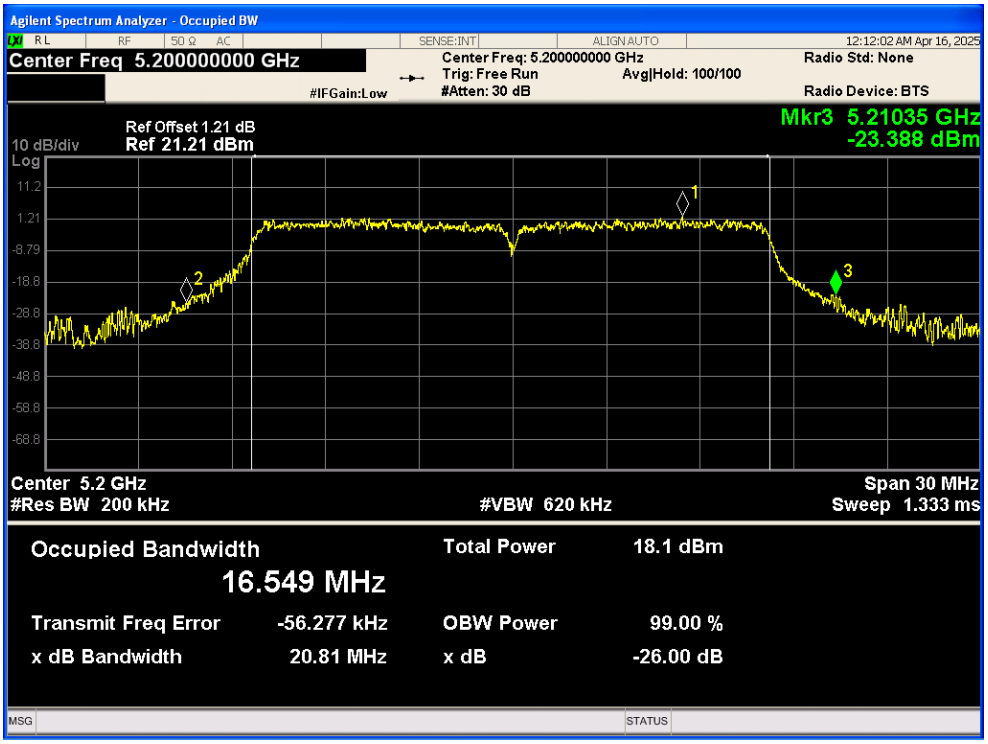
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	20.37	Pass
NVNT	a	5200	Ant1	20.813	Pass
NVNT	a	5240	Ant1	23.439	Pass
NVNT	a	5180	Ant2	20.729	Pass
NVNT	a	5200	Ant2	20.752	Pass
NVNT	a	5240	Ant2	21.476	Pass
NVNT	ac20	5180	Ant1	21.232	Pass
NVNT	ac20	5200	Ant1	21.309	Pass
NVNT	ac20	5240	Ant1	21.039	Pass
NVNT	ac20	5180	Ant2	21.053	Pass
NVNT	ac20	5200	Ant2	21.086	Pass
NVNT	ac20	5240	Ant2	21.095	Pass
NVNT	ac40	5190	Ant1	41.644	Pass

NVNT	ac40	5230	Ant1	41.477	Pass
NVNT	ac40	5190	Ant2	41.744	Pass
NVNT	ac40	5230	Ant2	42.145	Pass
NVNT	ac80	5210	Ant1	83.131	Pass
NVNT	ac80	5210	Ant2	82.513	Pass
NVNT	n20	5180	Ant1	21.289	Pass
NVNT	n20	5200	Ant1	21.251	Pass
NVNT	n20	5240	Ant1	21.584	Pass
NVNT	n20	5180	Ant2	21.288	Pass
NVNT	n20	5200	Ant2	21.394	Pass
NVNT	n20	5240	Ant2	20.991	Pass
NVNT	n40	5190	Ant1	41.997	Pass
NVNT	n40	5230	Ant1	41.388	Pass
NVNT	n40	5190	Ant2	41.885	Pass
NVNT	n40	5230	Ant2	41.871	Pass

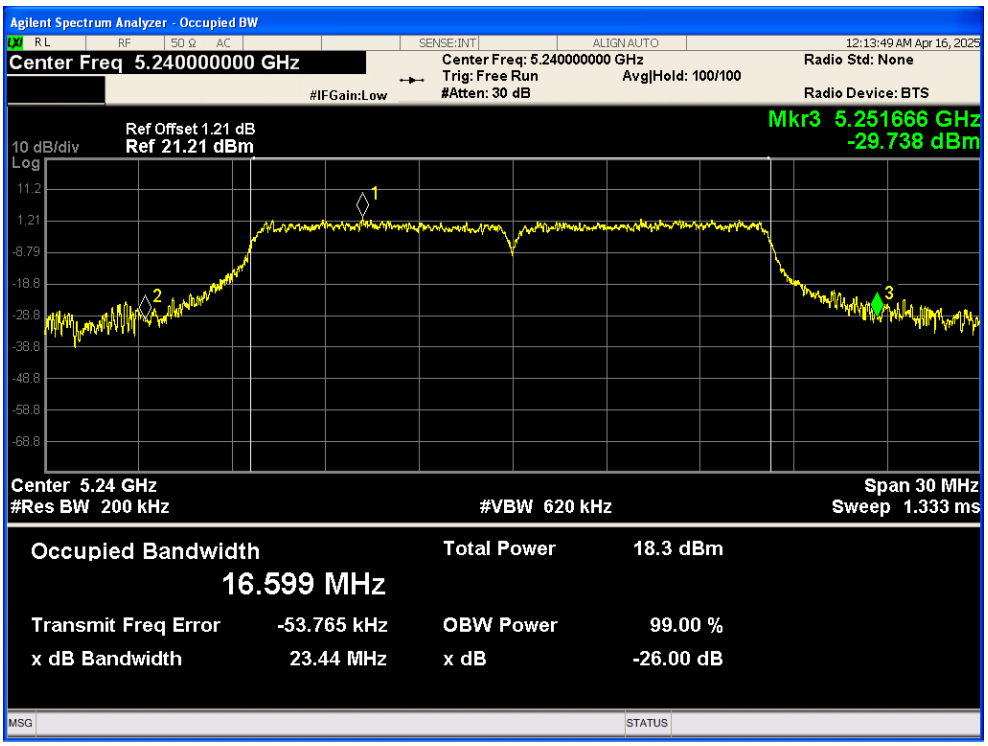
-26dB Bandwidth NVNT a 5180MHz Ant1



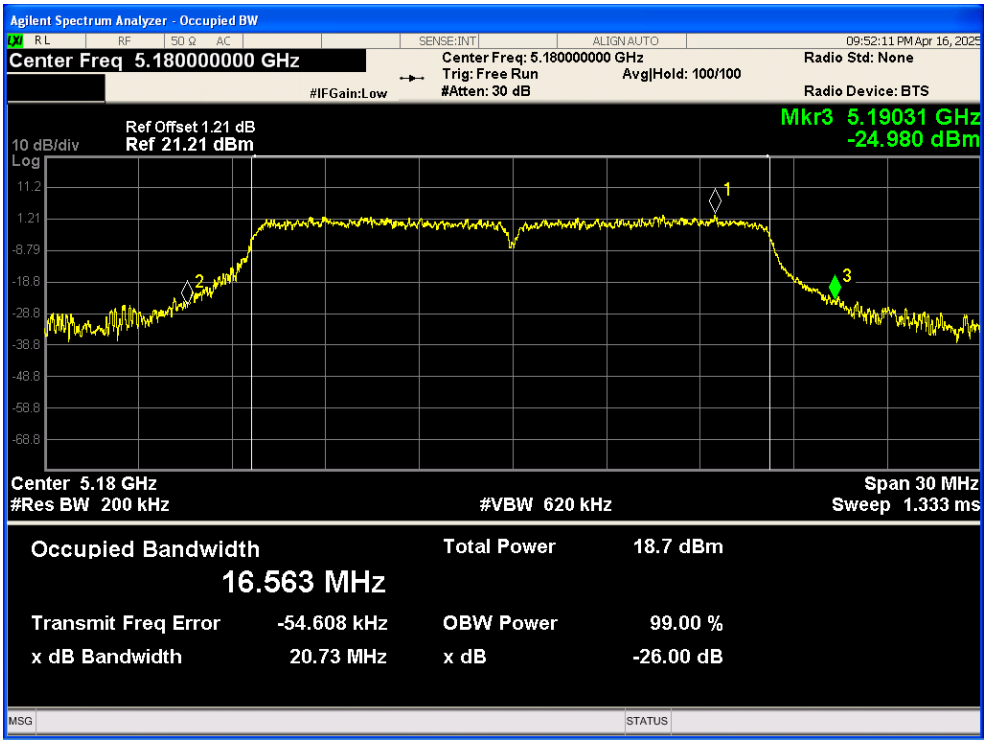
-26dB Bandwidth NVNT a 5200MHz Ant1



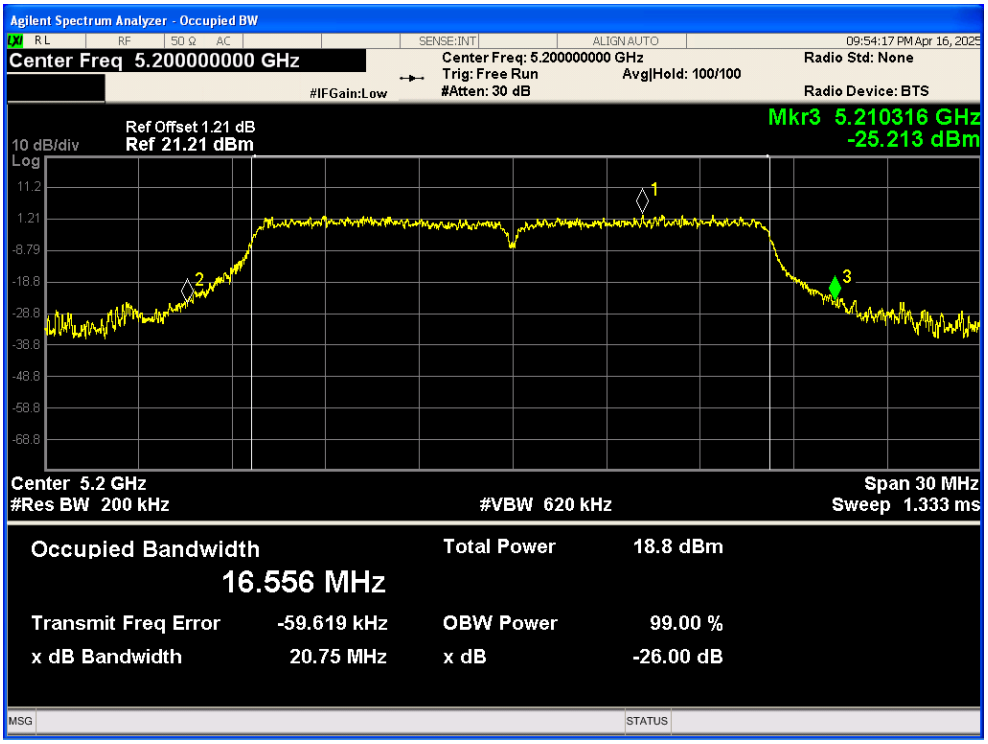
-26dB Bandwidth NVNT a 5240MHz Ant1



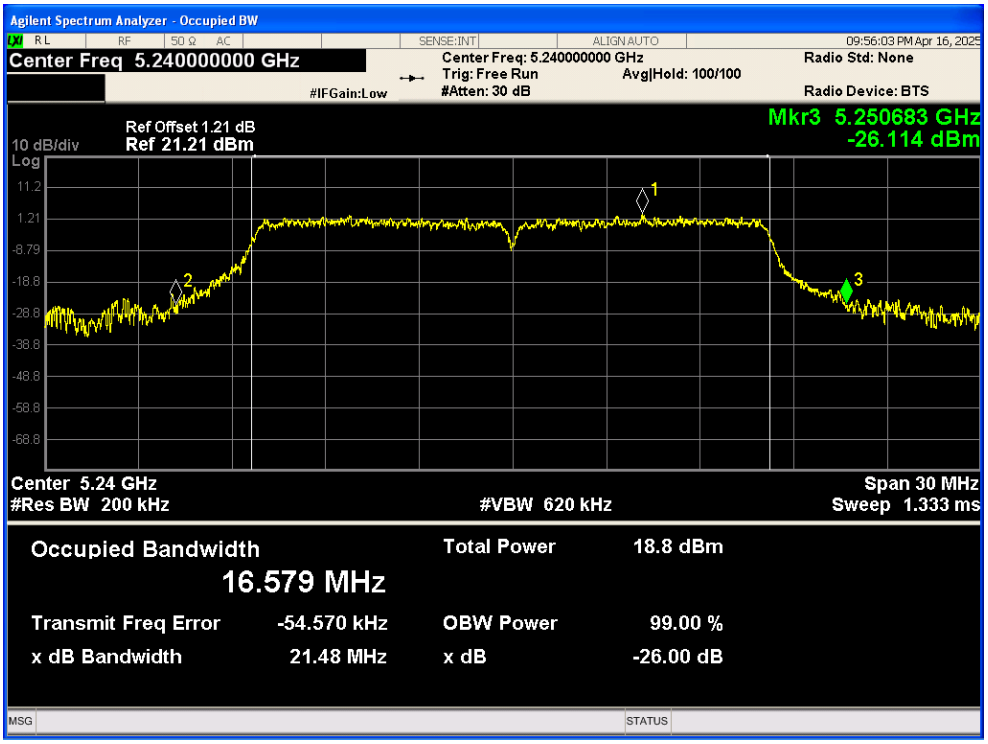
-26dB Bandwidth NVNT a 5180MHz Ant2



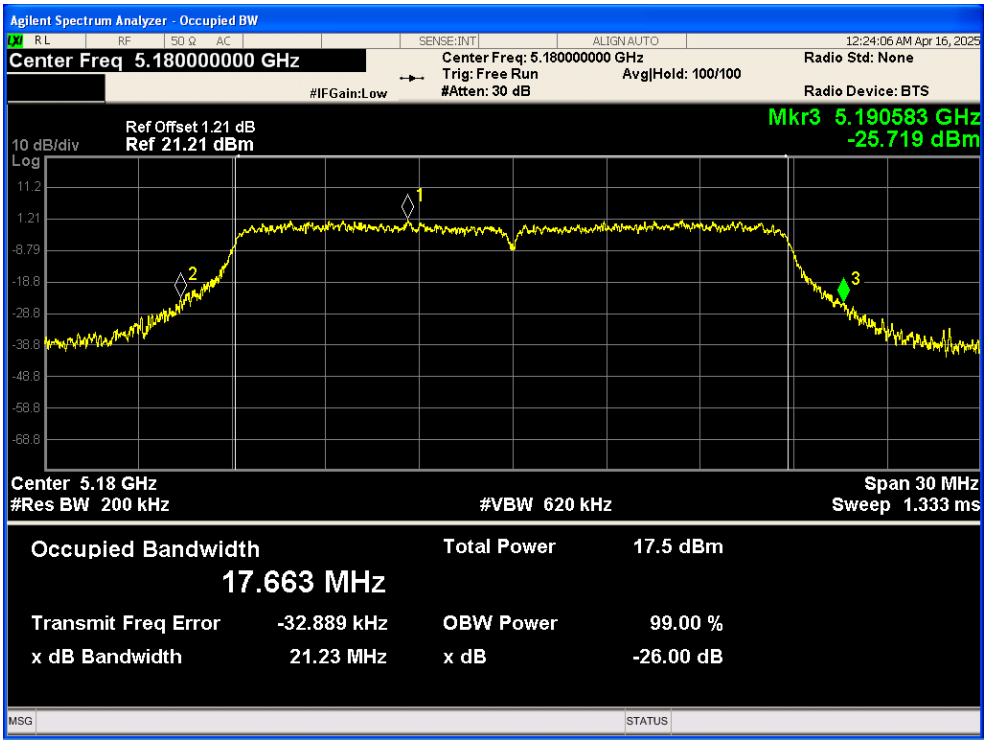
-26dB Bandwidth NVNT a 5200MHz Ant2



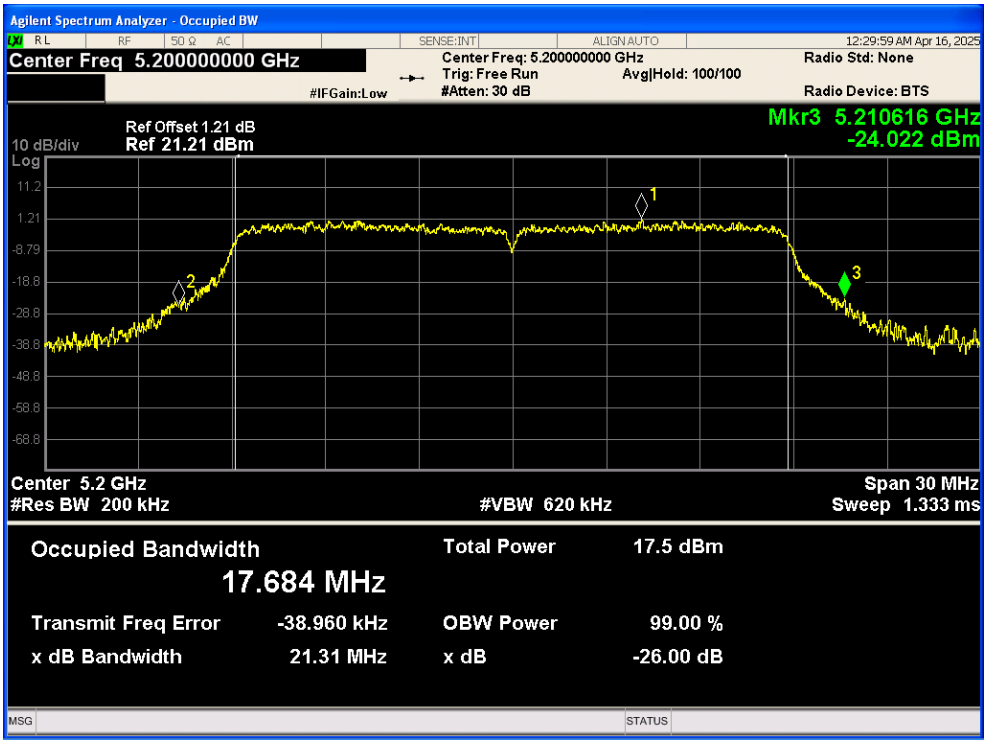
-26dB Bandwidth NVNT a 5240MHz Ant2



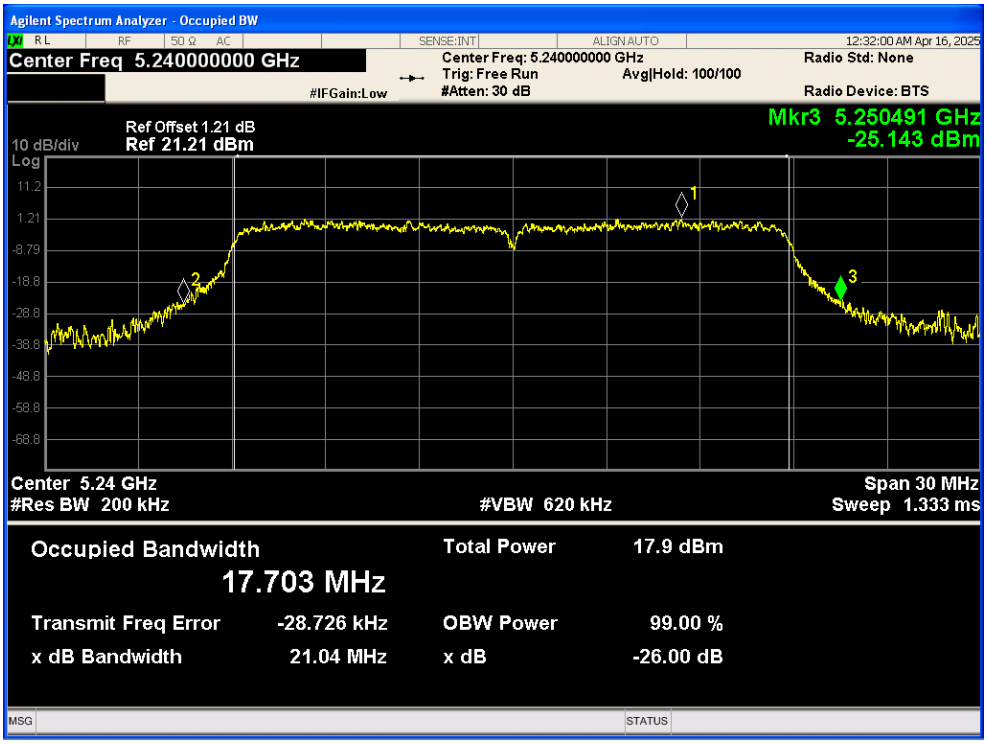
-26dB Bandwidth NVNT ac20 5180MHz Ant1



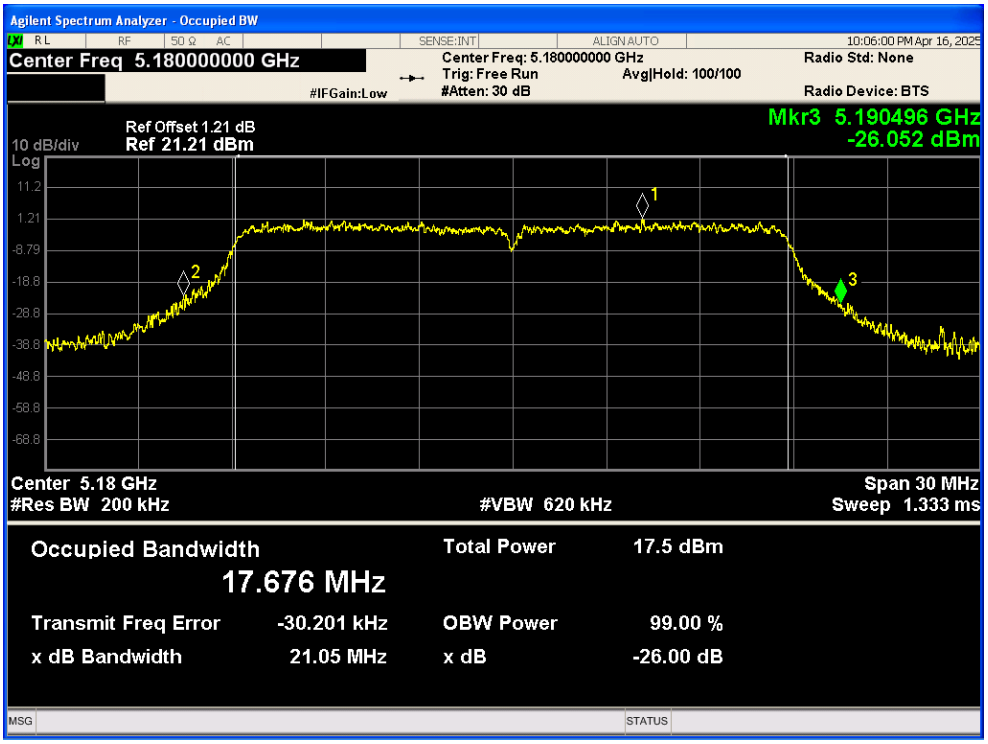
-26dB Bandwidth NVNT ac20 5200MHz Ant1



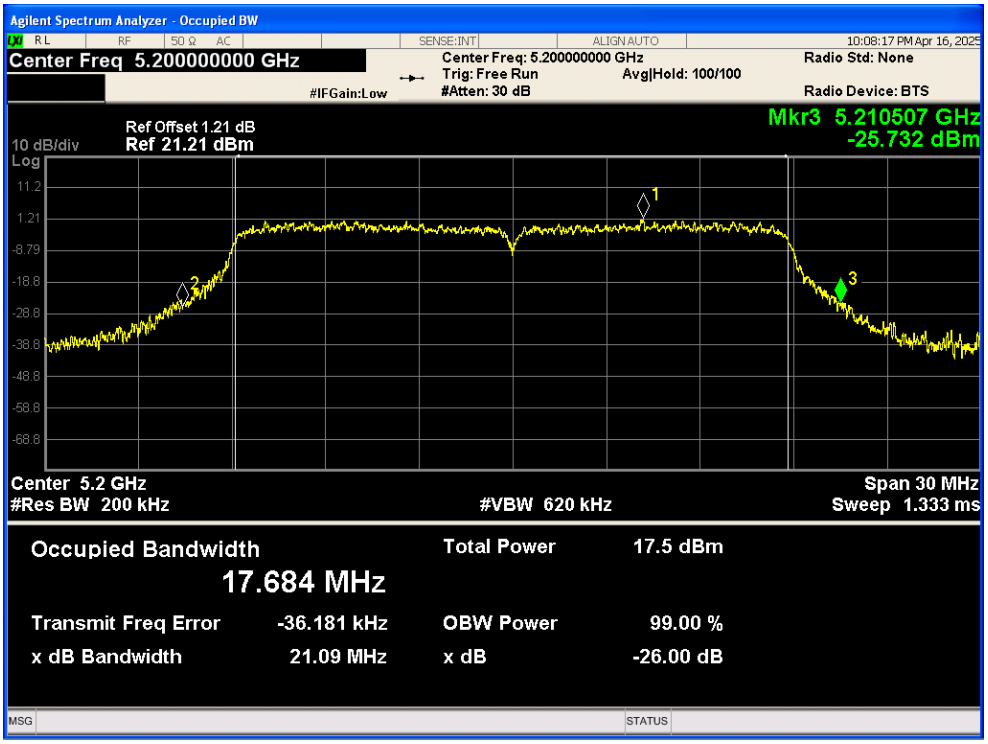
-26dB Bandwidth NVNT ac20 5240MHz Ant1



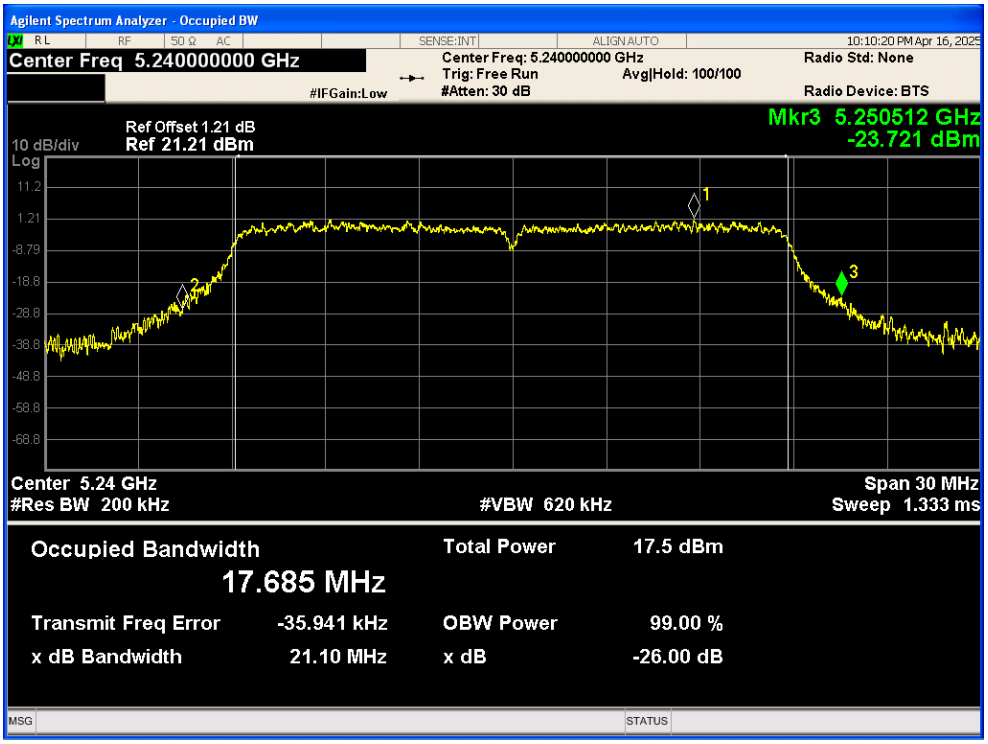
-26dB Bandwidth NVNT ac20 5180MHz Ant2



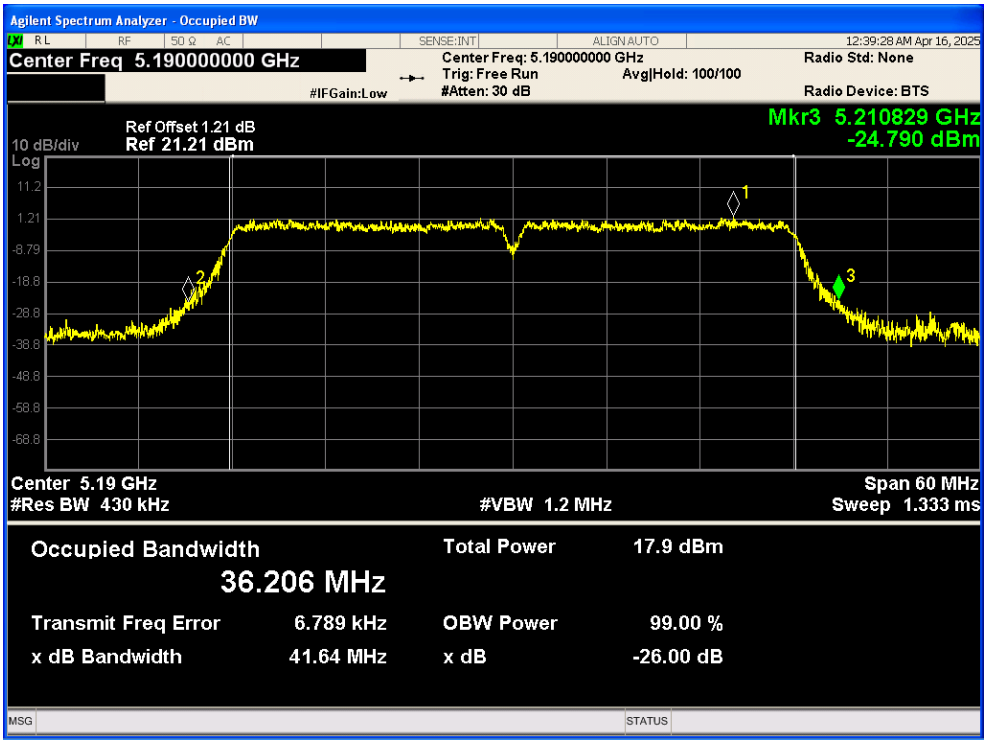
-26dB Bandwidth NVNT ac20 5200MHz Ant2



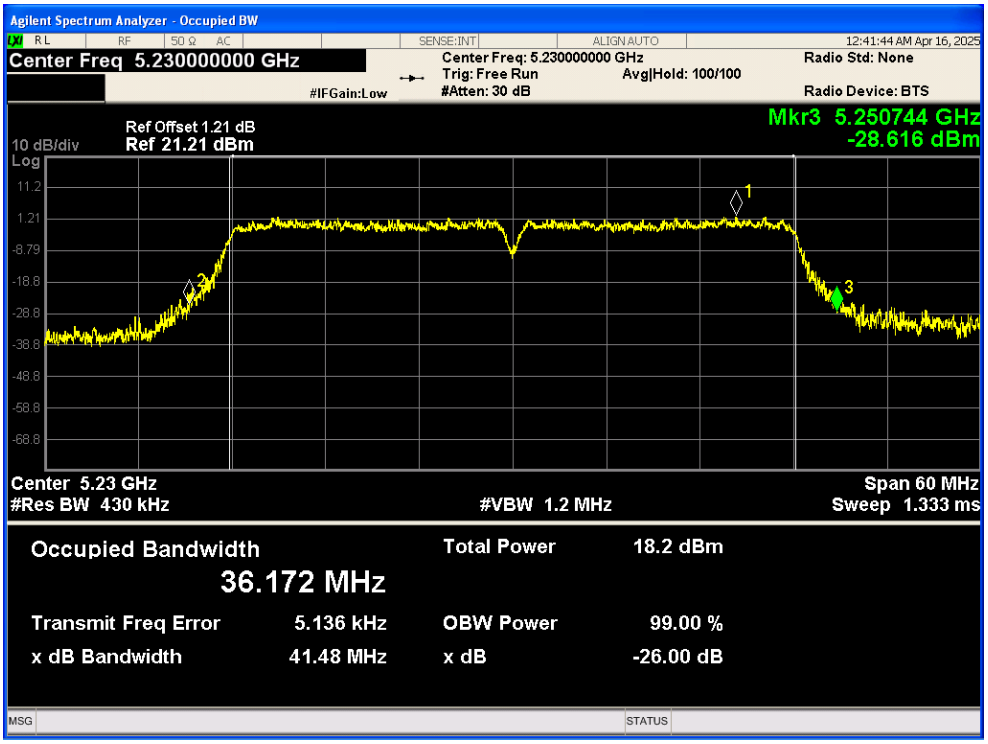
-26dB Bandwidth NVNT ac20 5240MHz Ant2



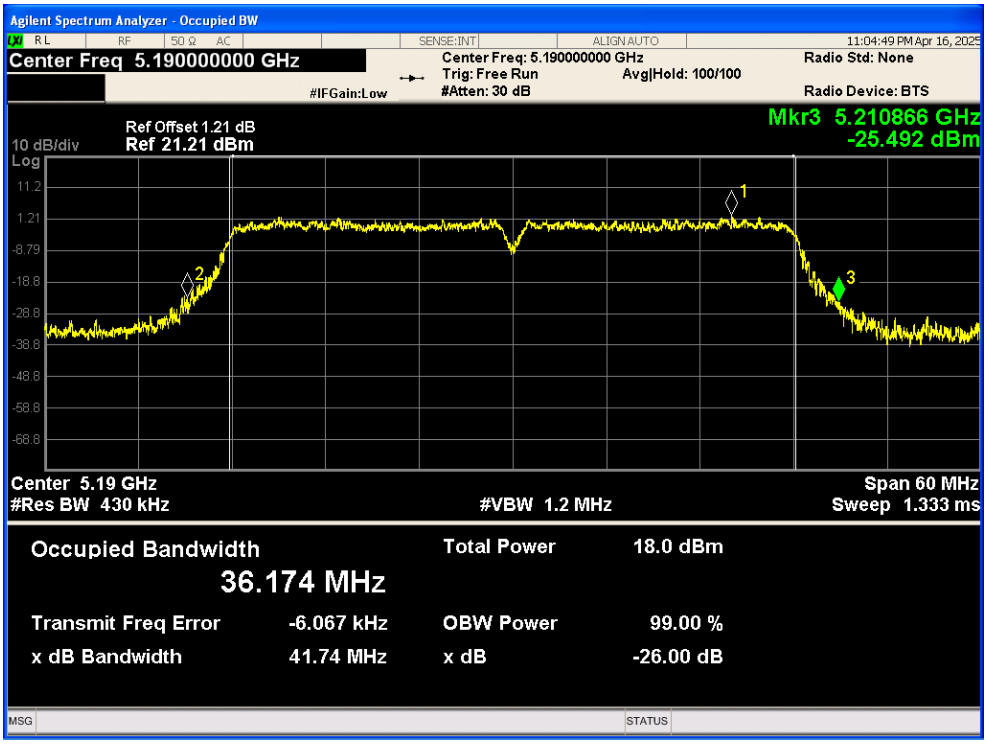
-26dB Bandwidth NVNT ac40 5190MHz Ant1



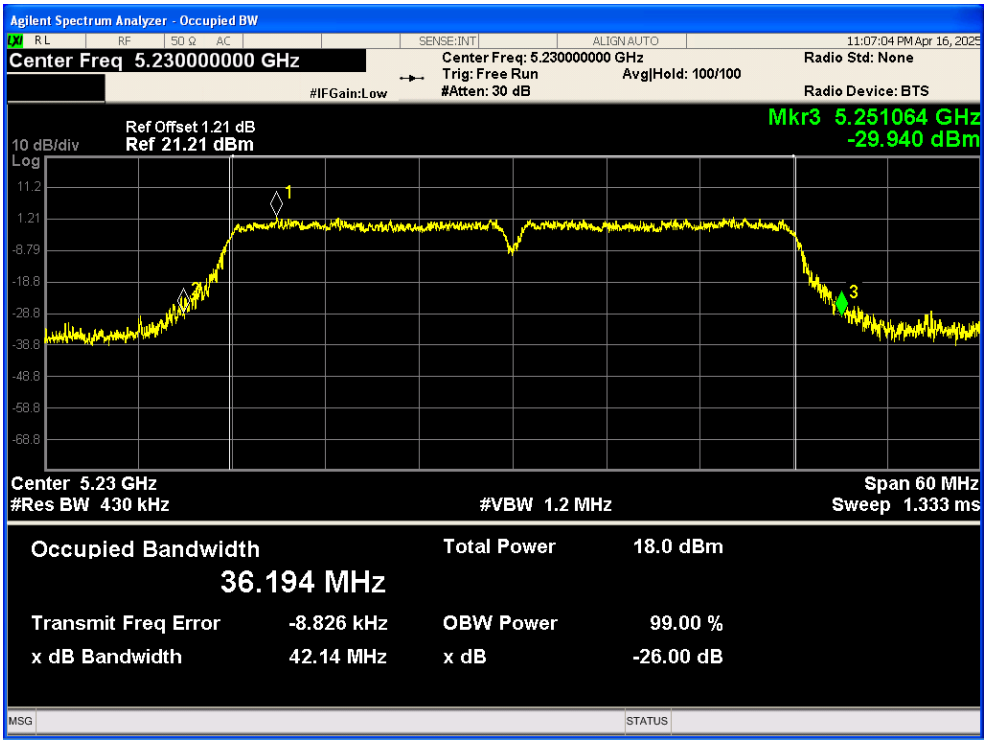
-26dB Bandwidth NVNT ac40 5230MHz Ant1



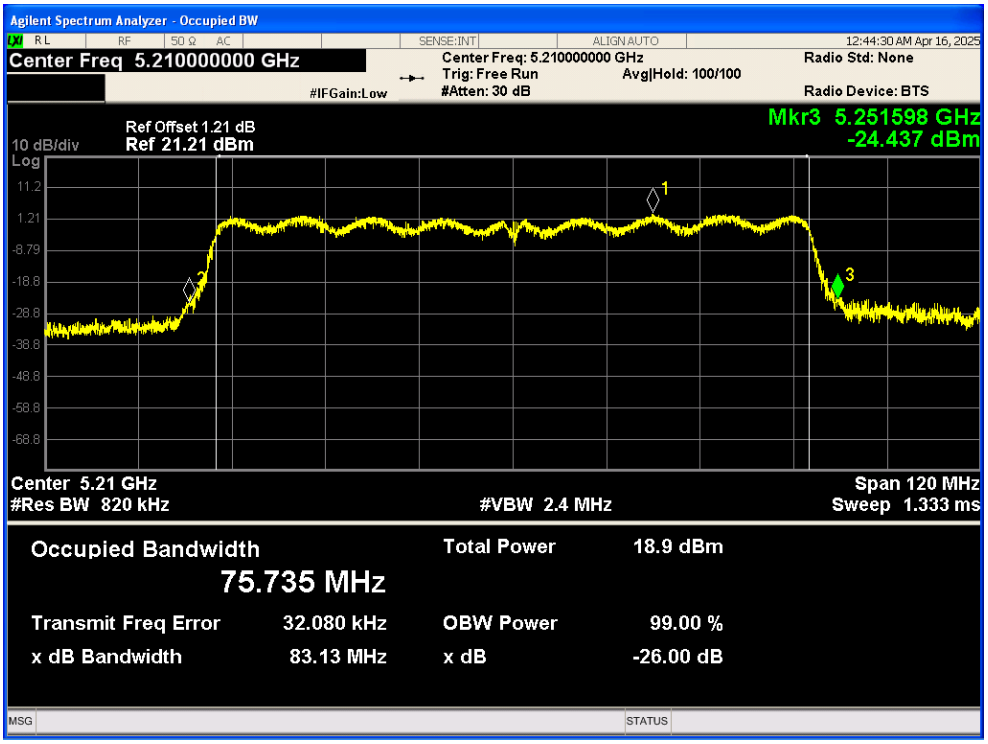
-26dB Bandwidth NVNT ac40 5190MHz Ant2



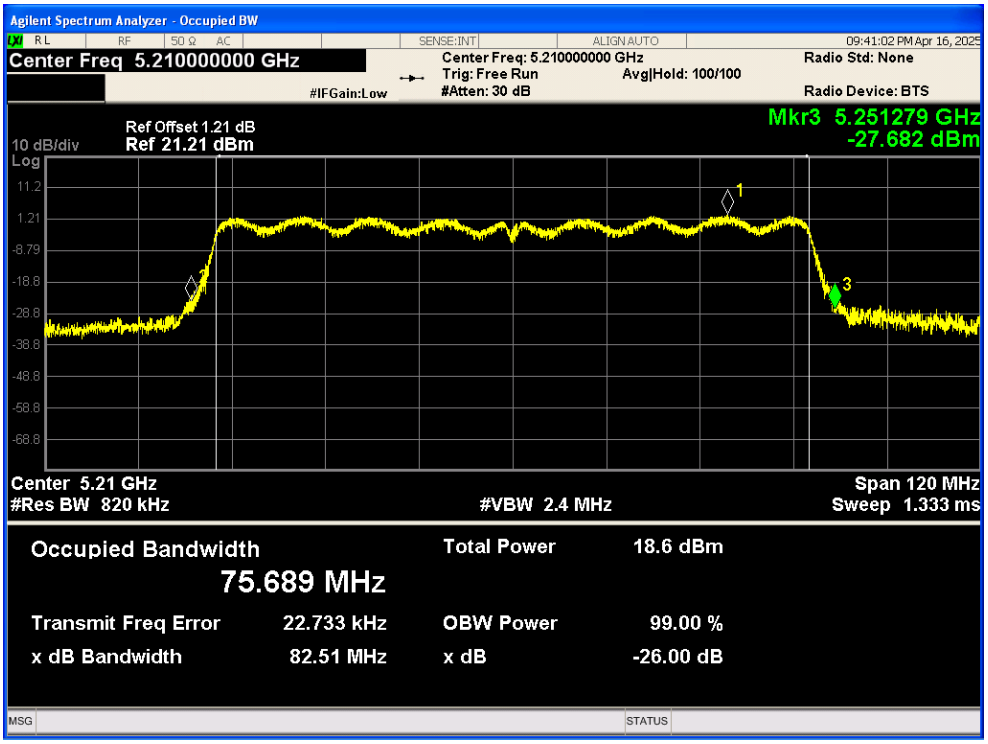
-26dB Bandwidth NVNT ac40 5230MHz Ant2



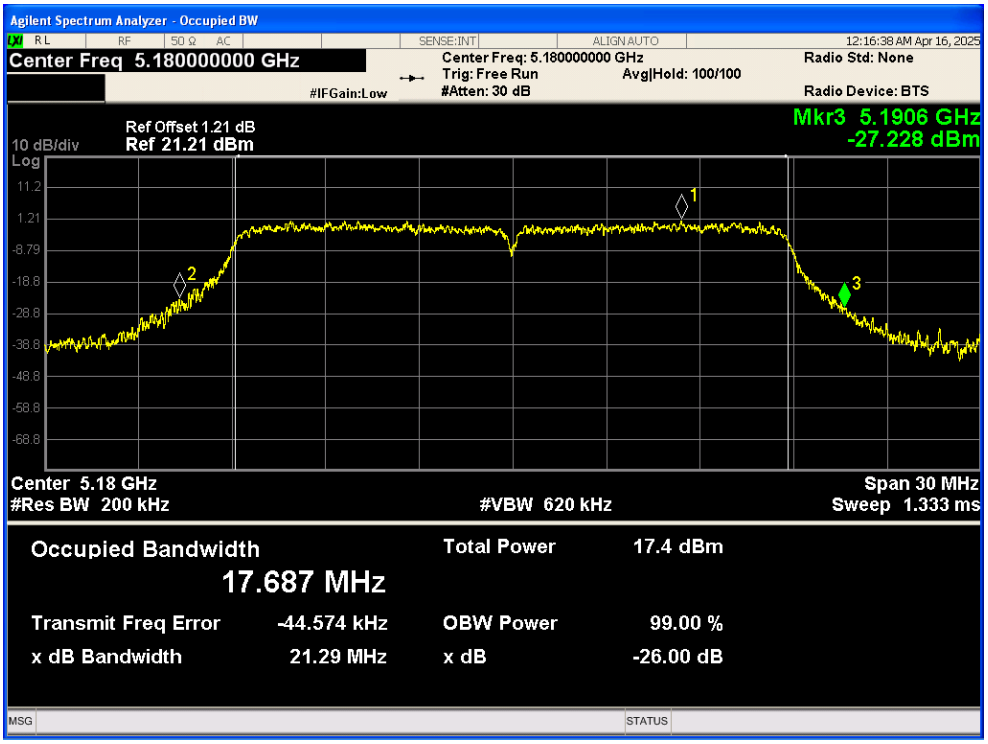
-26dB Bandwidth NVNT ac80 5210MHz Ant1



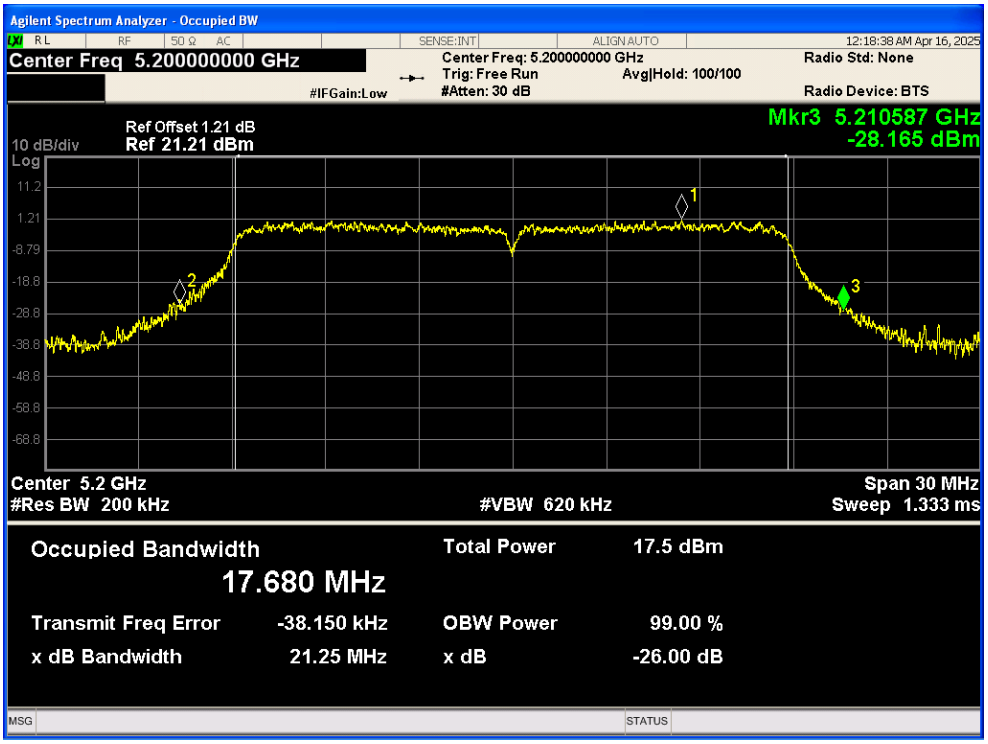
-26dB Bandwidth NVNT ac80 5210MHz Ant2



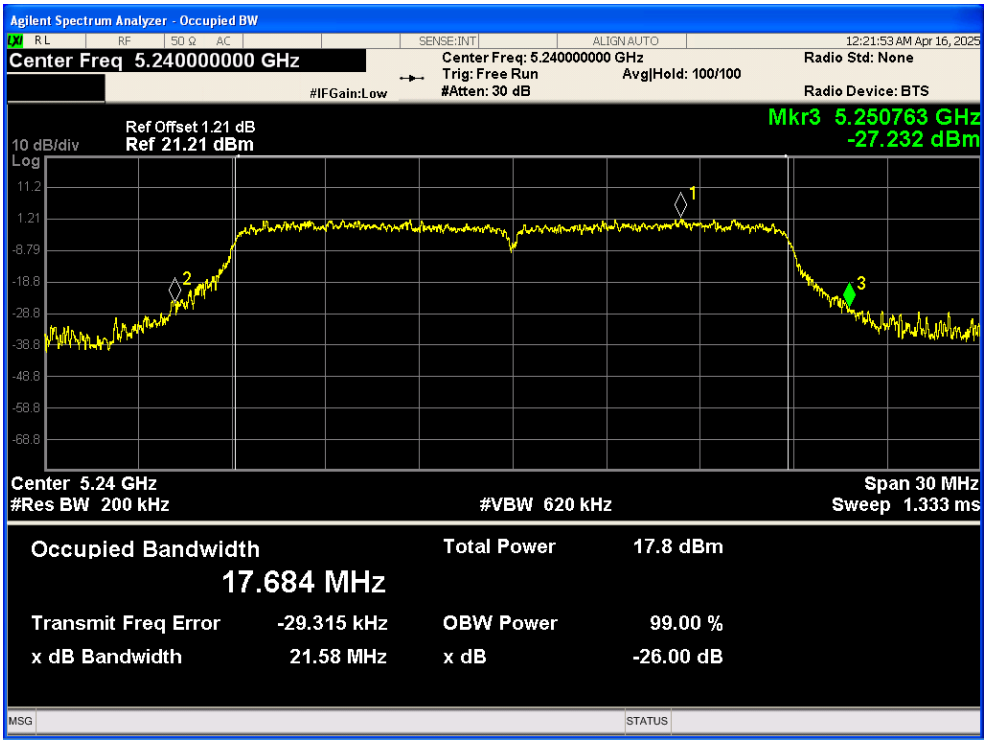
-26dB Bandwidth NVNT n20 5180MHz Ant1



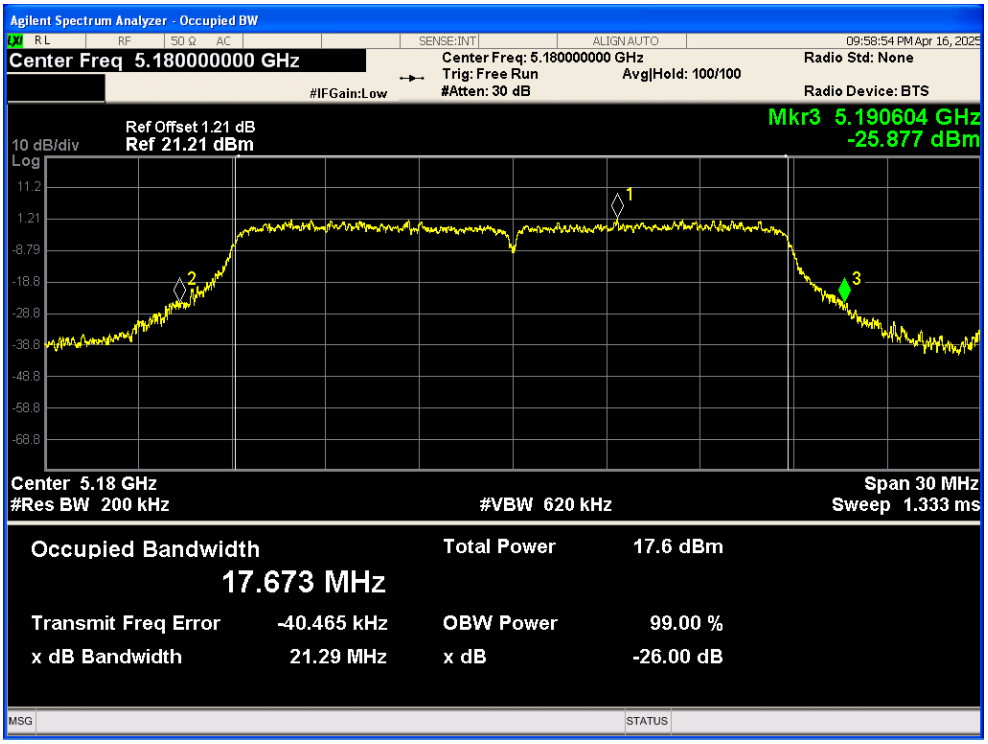
-26dB Bandwidth NVNT n20 5200MHz Ant1



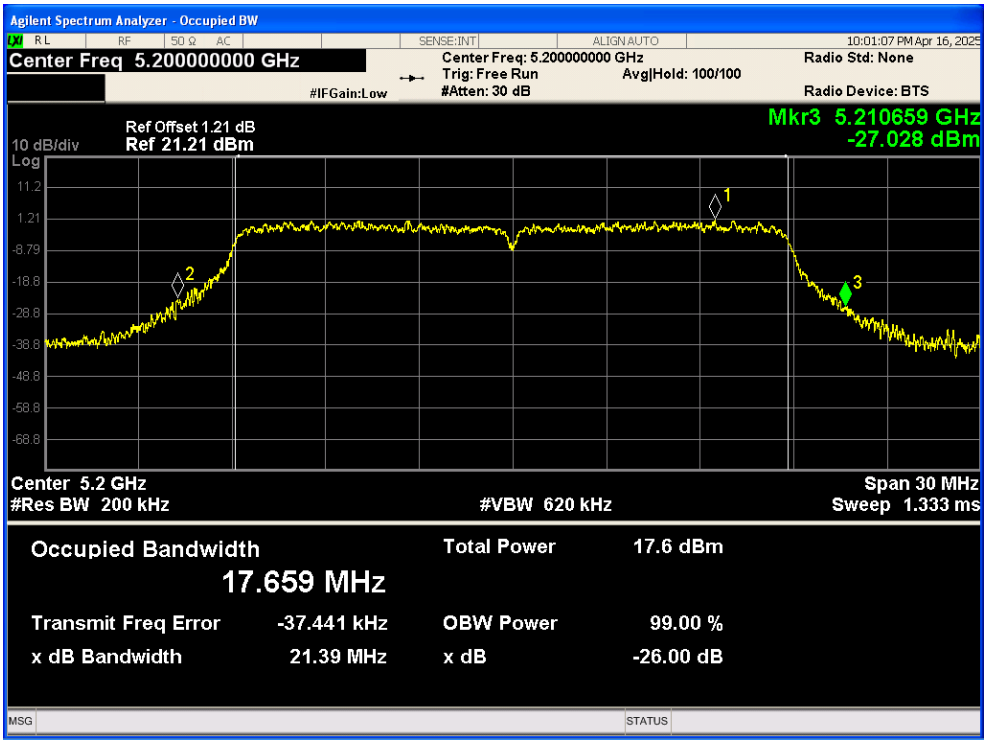
-26dB Bandwidth NVNT n20 5240MHz Ant1



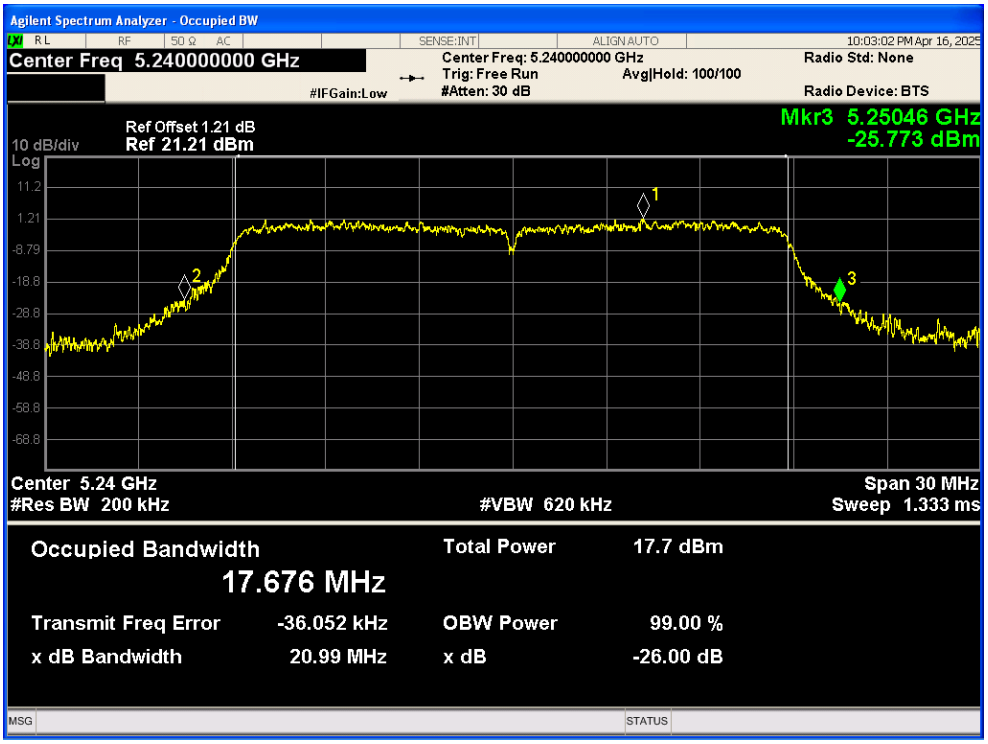
-26dB Bandwidth NVNT n20 5180MHz Ant2



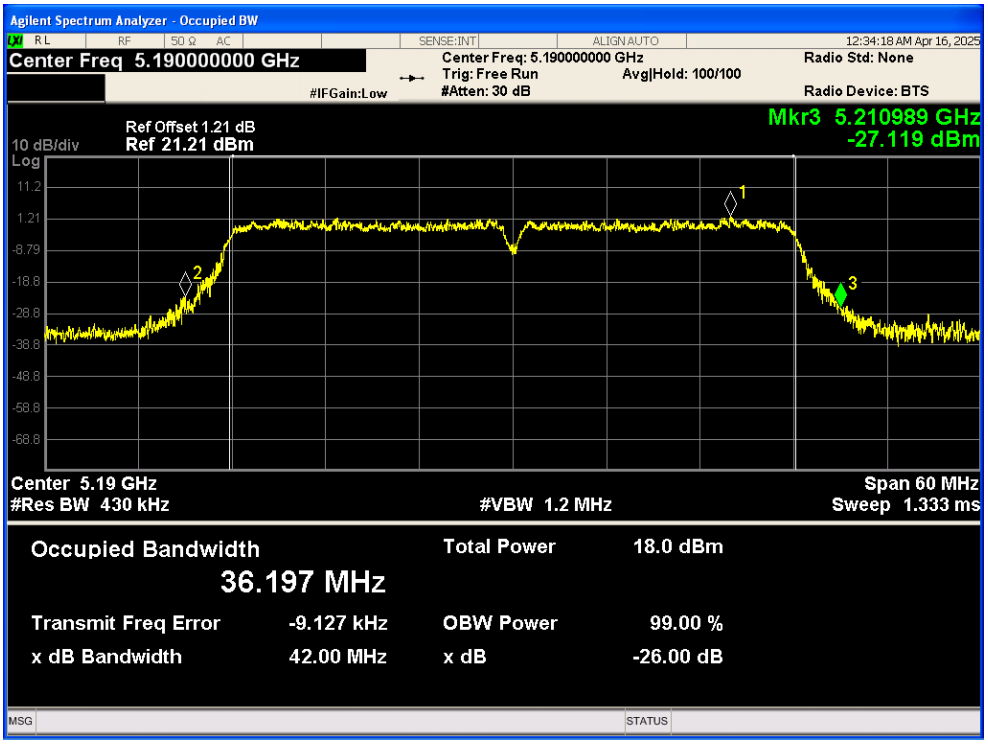
-26dB Bandwidth NVNT n20 5200MHz Ant2



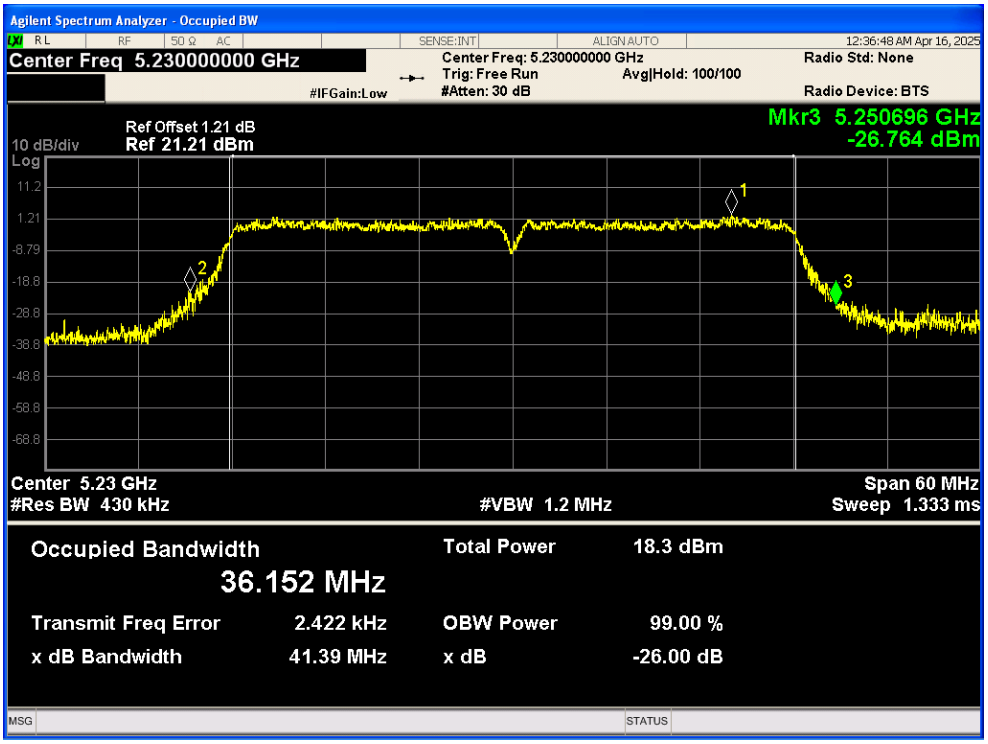
-26dB Bandwidth NVNT n20 5240MHz Ant2



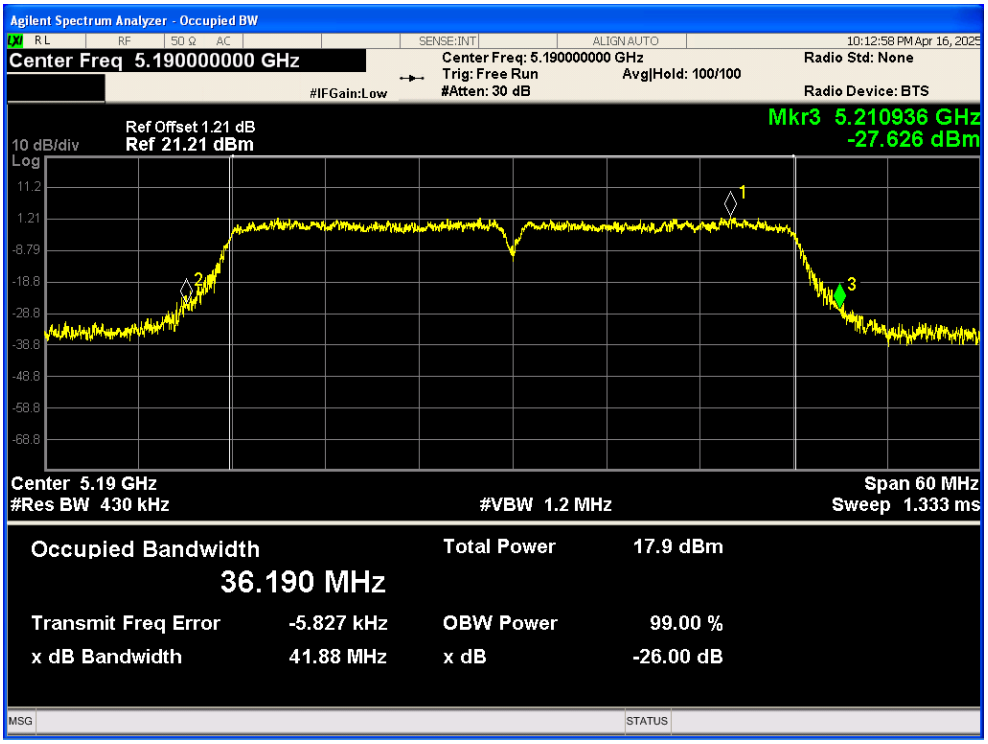
-26dB Bandwidth NVNT n40 5190MHz Ant1



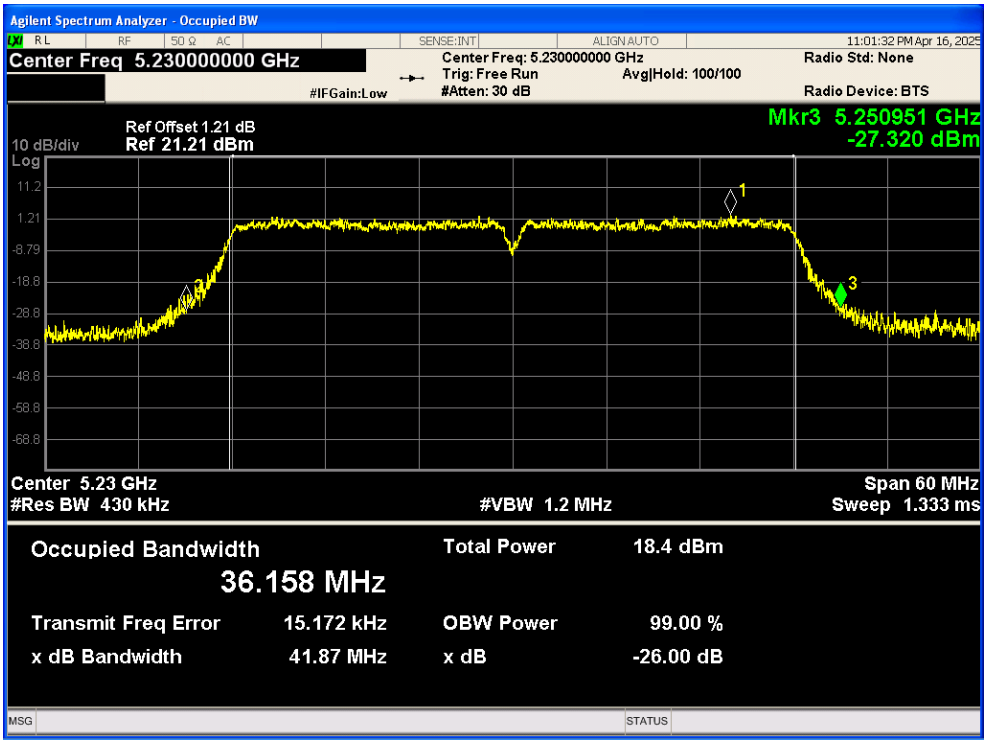
-26dB Bandwidth NVNT n40 5230MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant2



-26dB Bandwidth NVNT n40 5230MHz Ant2

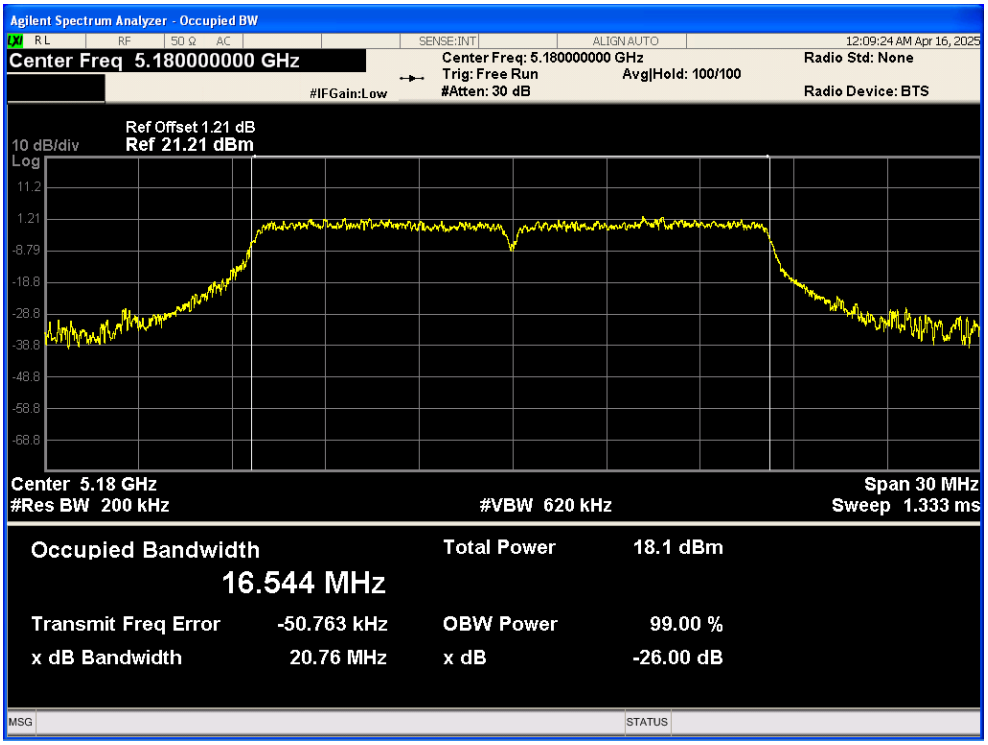


Occupied Channel Bandwidth

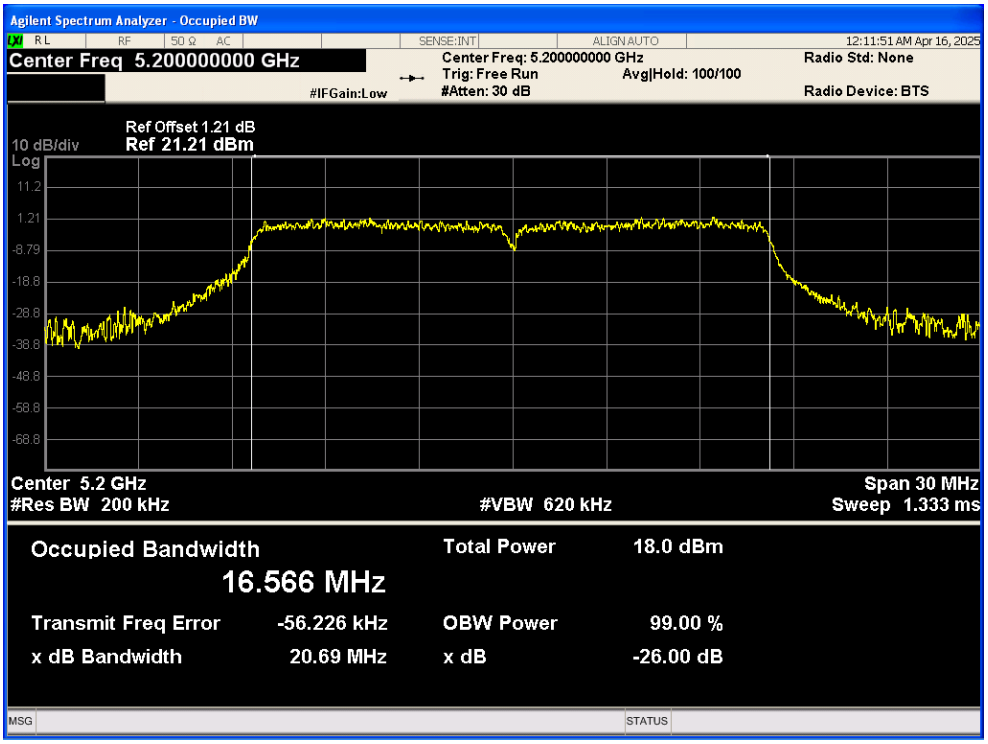
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.544
NVNT	a	5200	Ant1	16.566
NVNT	a	5240	Ant1	16.575
NVNT	a	5180	Ant2	16.547
NVNT	a	5200	Ant2	16.587
NVNT	a	5240	Ant2	16.565
NVNT	ac20	5180	Ant1	17.688
NVNT	ac20	5200	Ant1	17.694
NVNT	ac20	5240	Ant1	17.693
NVNT	ac20	5180	Ant2	17.675
NVNT	ac20	5200	Ant2	17.68
NVNT	ac20	5240	Ant2	17.678
NVNT	ac40	5190	Ant1	36.188
NVNT	ac40	5230	Ant1	36.196
NVNT	ac40	5190	Ant2	36.128
NVNT	ac40	5230	Ant2	36.193
NVNT	ac80	5210	Ant1	75.691
NVNT	ac80	5210	Ant2	75.691
NVNT	n20	5180	Ant1	17.656
NVNT	n20	5200	Ant1	17.66
NVNT	n20	5240	Ant1	17.683

NVNT	n20	5180	Ant2	17.676
NVNT	n20	5200	Ant2	17.667
NVNT	n20	5240	Ant2	17.681
NVNT	n40	5190	Ant1	36.163
NVNT	n40	5230	Ant1	36.195
NVNT	n40	5190	Ant2	36.238
NVNT	n40	5230	Ant2	36.181

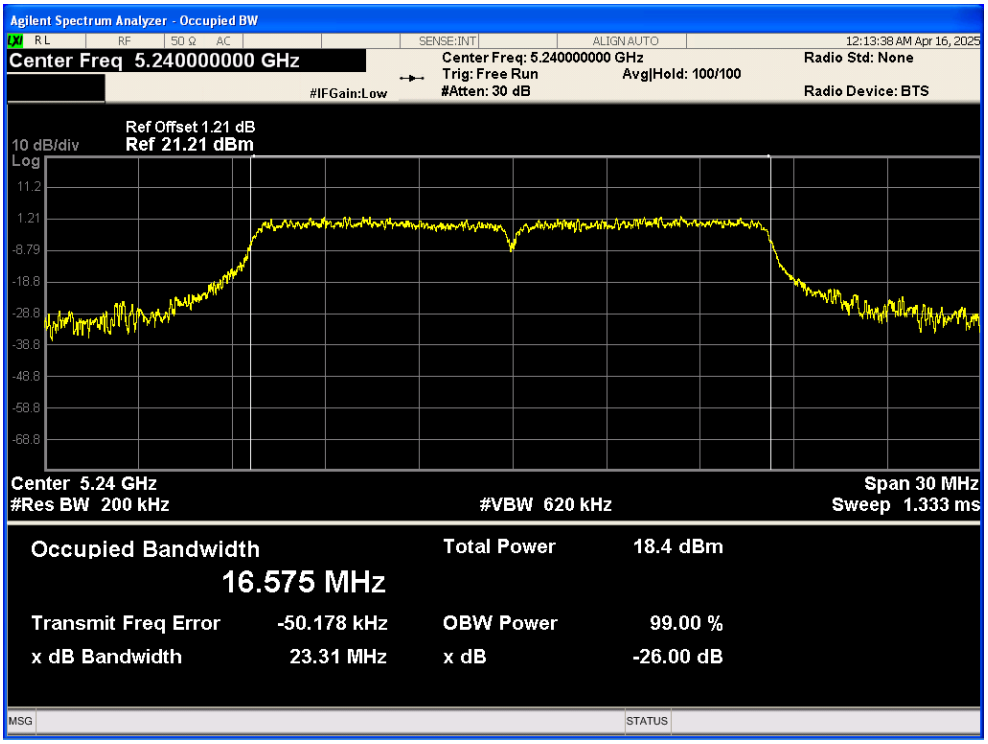
OBW NVNT a 5180MHz Ant1



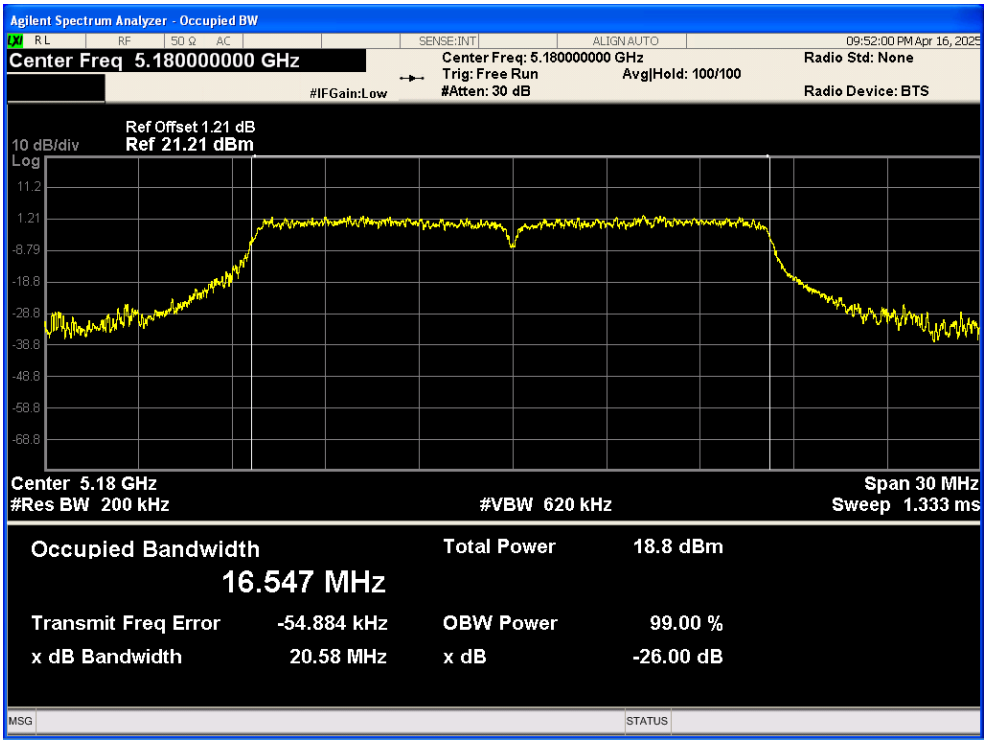
OBW NVNT a 5200MHz Ant1



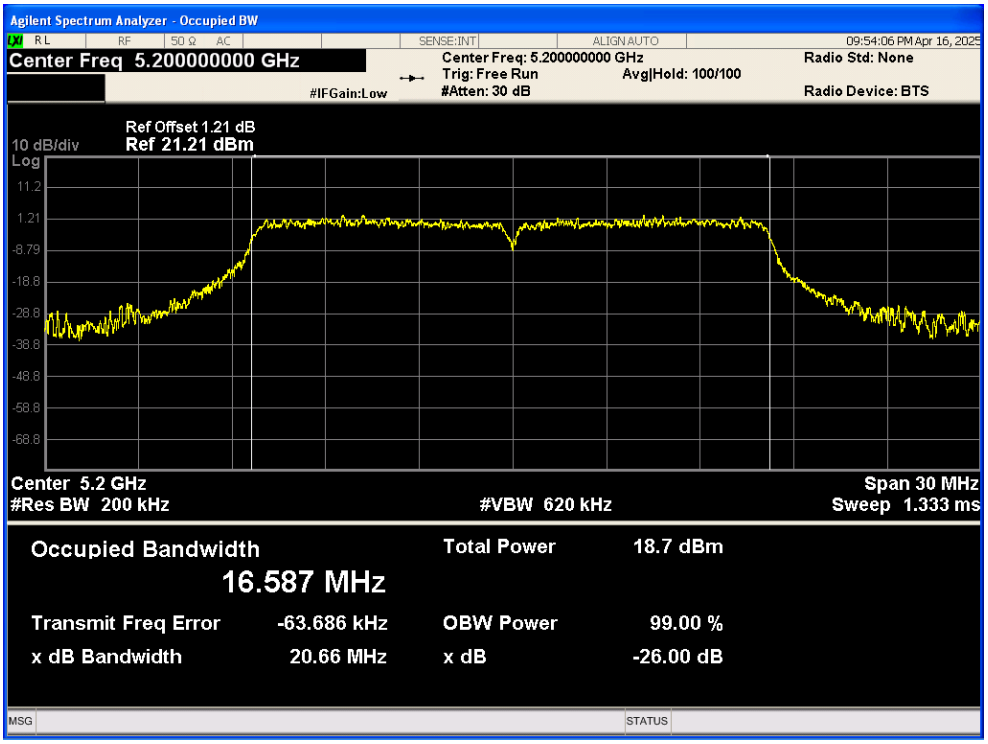
OBW NVNT a 5240MHz Ant1



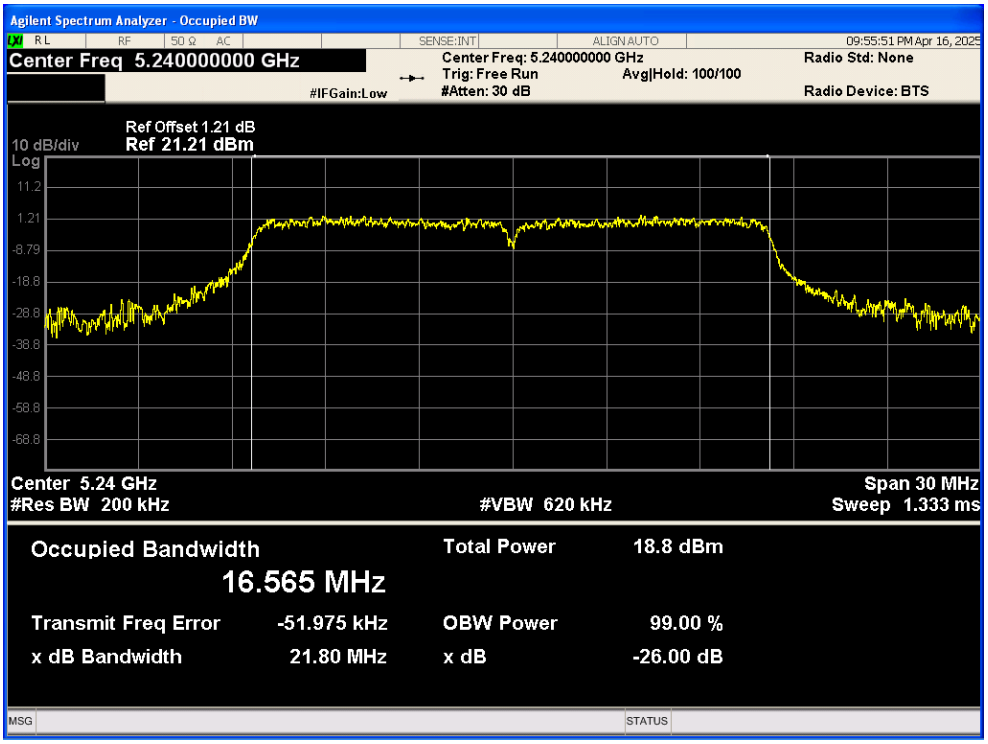
OBW NVNT a 5180MHz Ant2



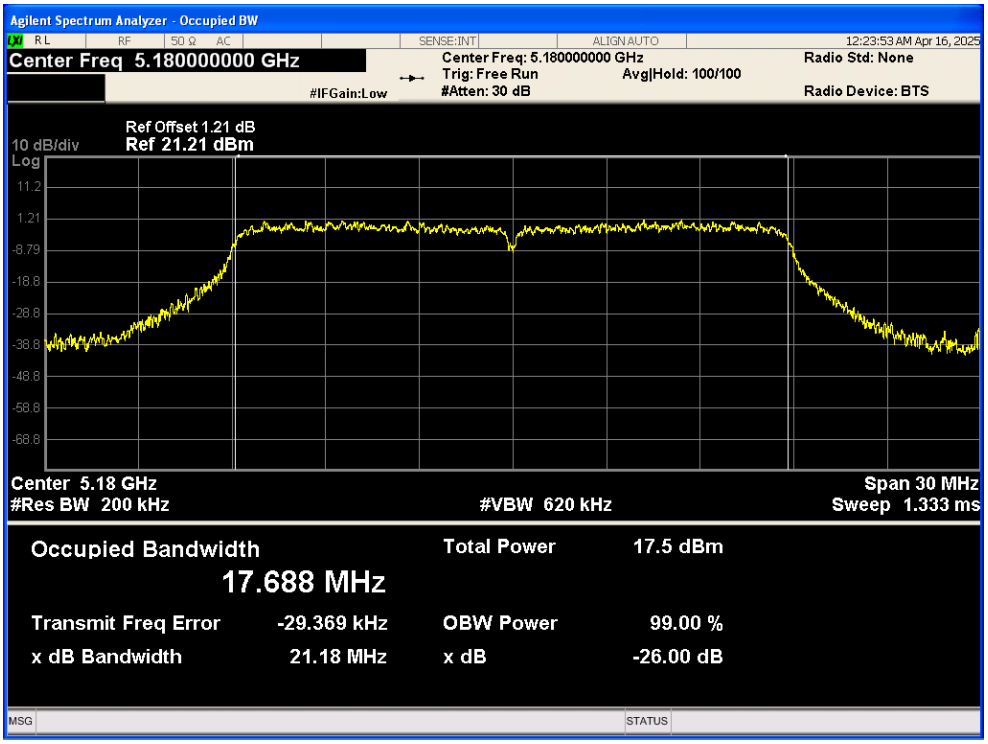
OBW NVNT a 5200MHz Ant2



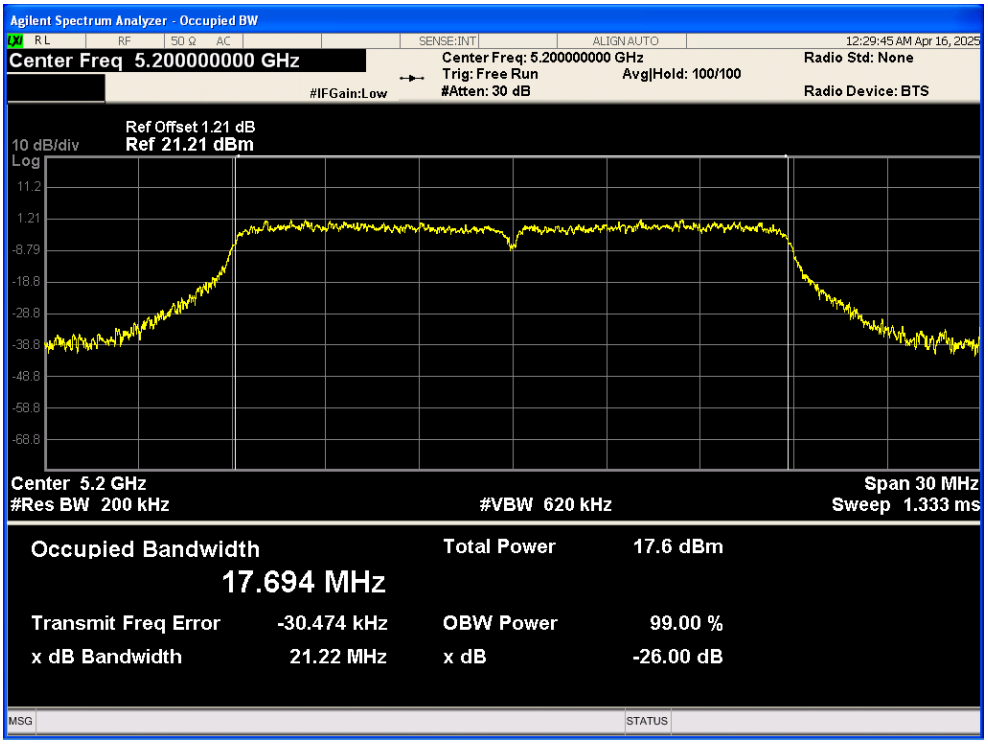
OBW NVNT a 5240MHz Ant2



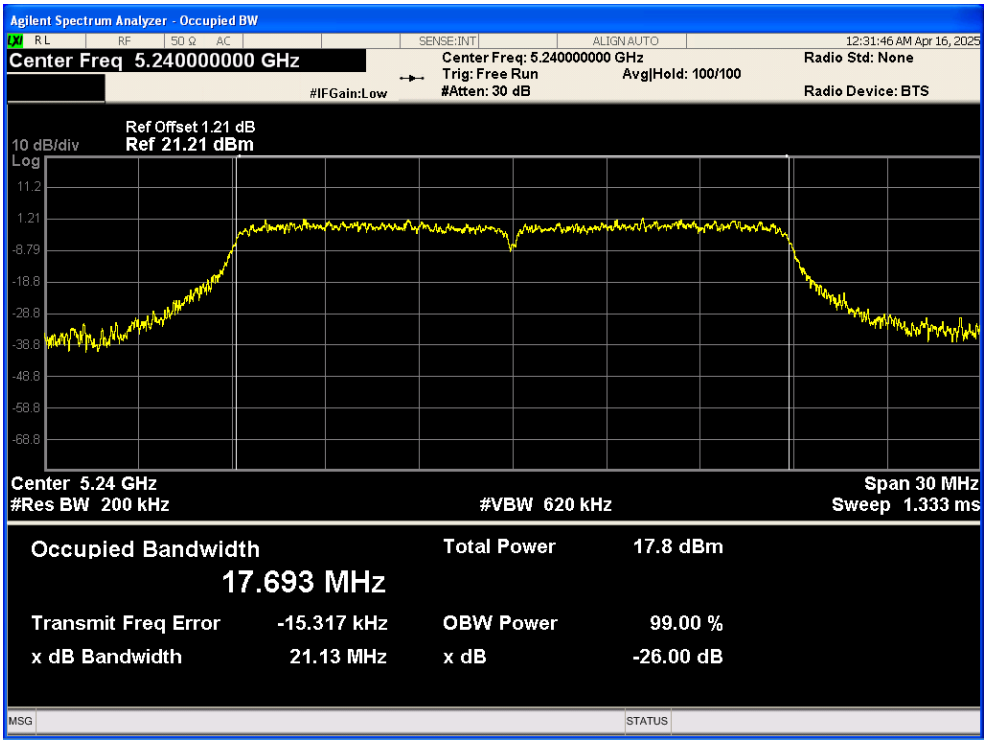
OBW NVNT ac20 5180MHz Ant1



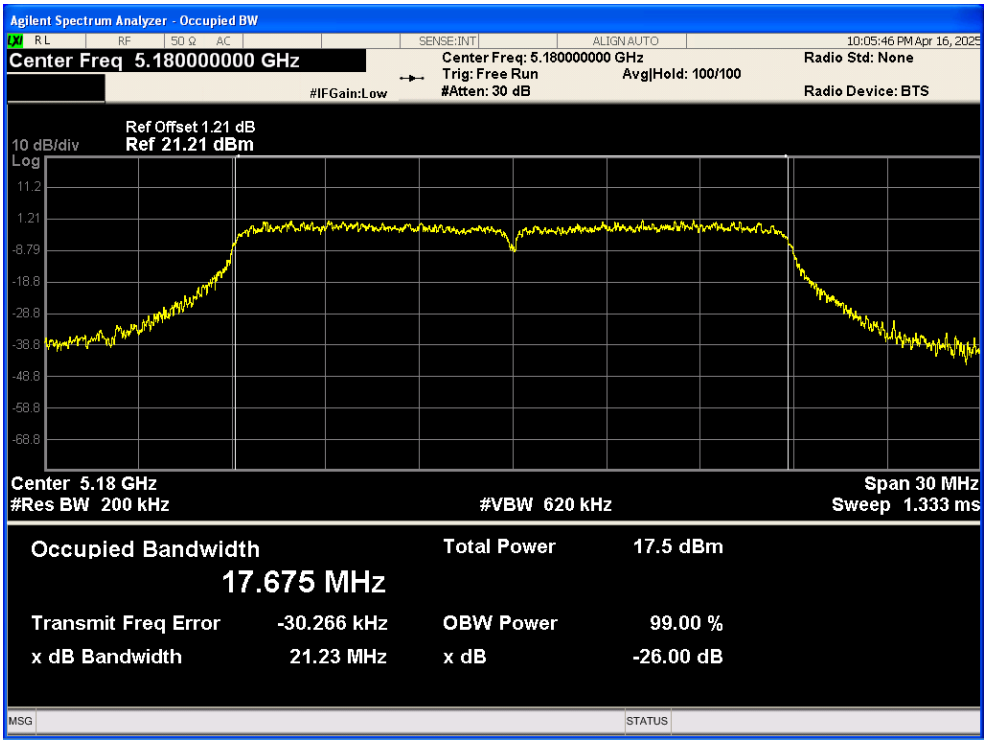
OBW NVNT ac20 5200MHz Ant1



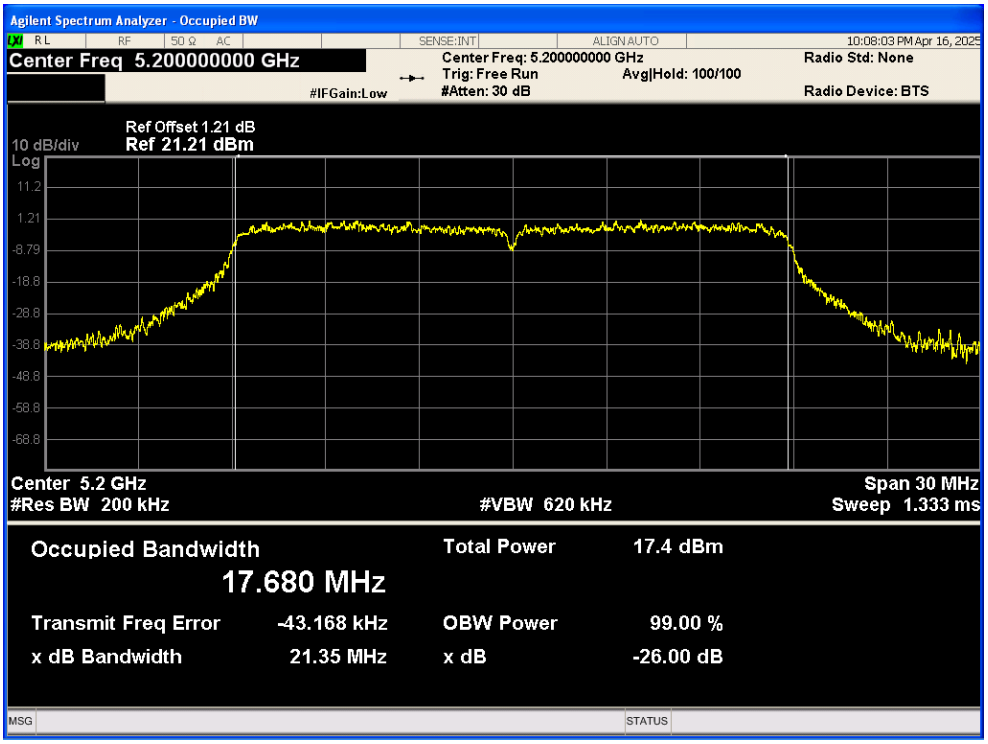
OBW NVNT ac20 5240MHz Ant1



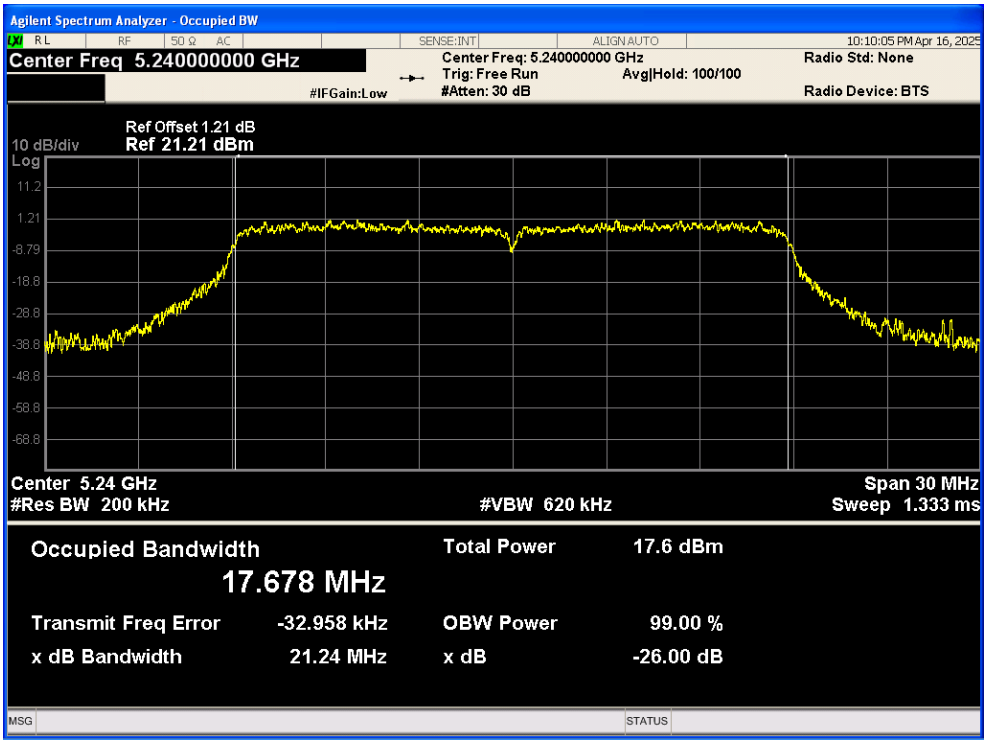
OBW NVNT ac20 5180MHz Ant2



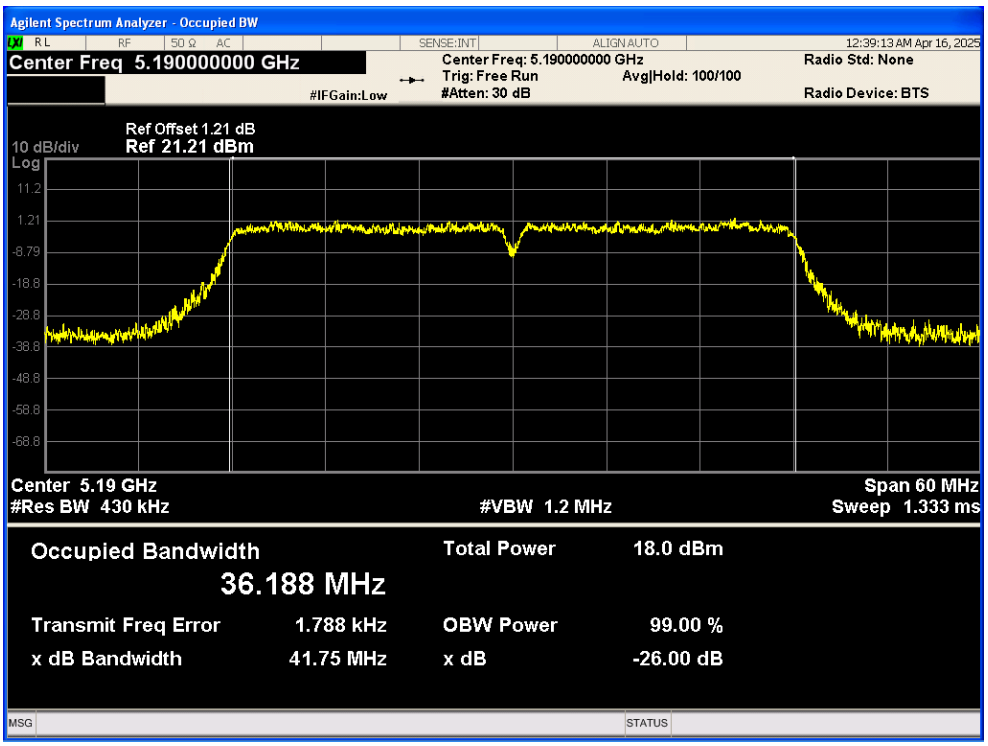
OBW NVNT ac20 5200MHz Ant2



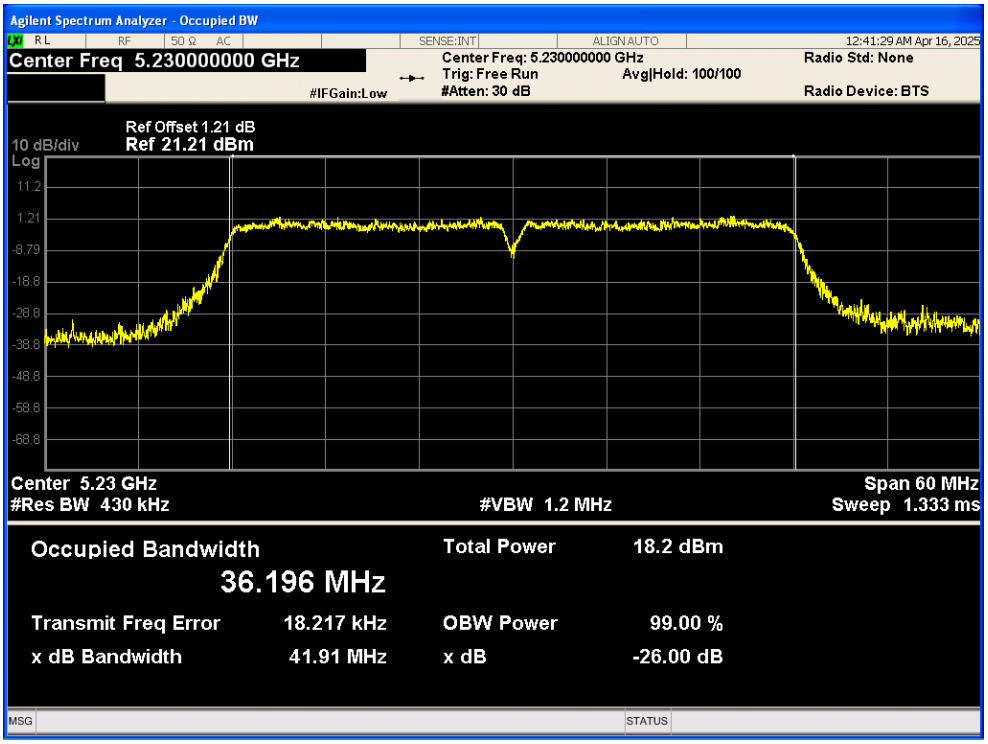
OBW NVNT ac20 5240MHz Ant2



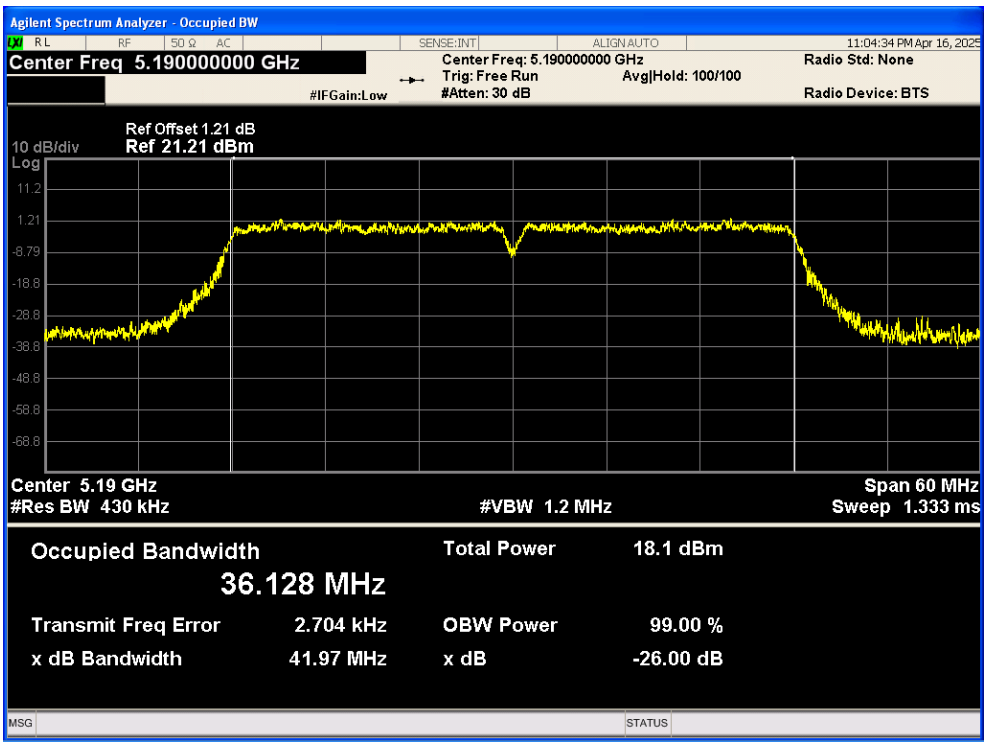
OBW NVNT ac40 5190MHz Ant1



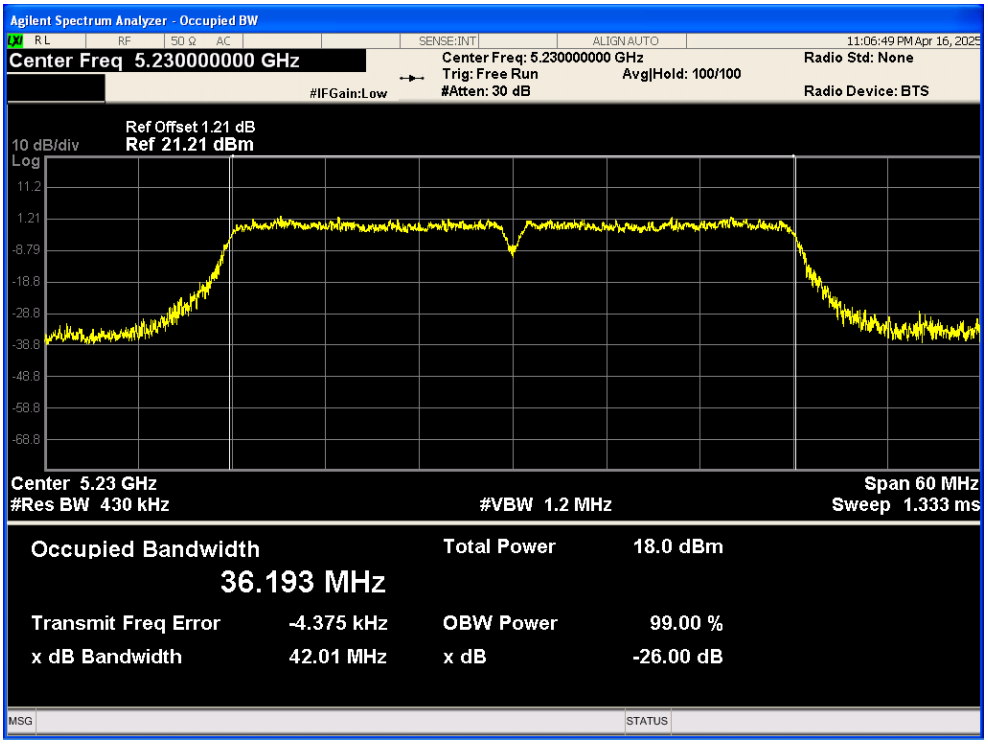
OBW NVNT ac40 5230MHz Ant1



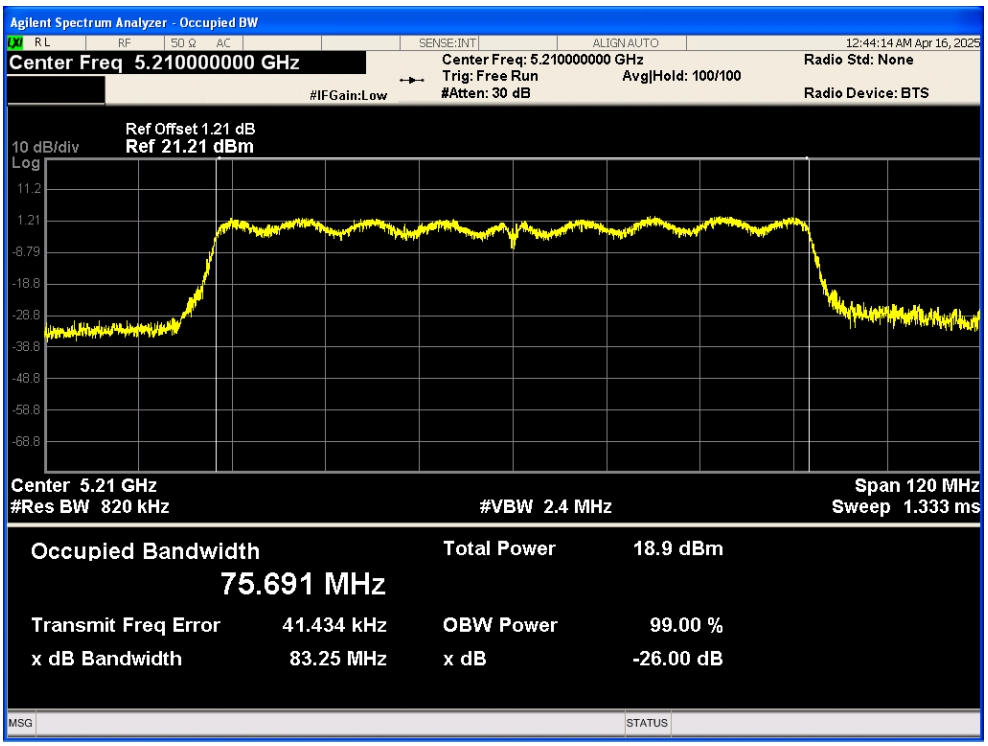
OBW NVNT ac40 5190MHz Ant2



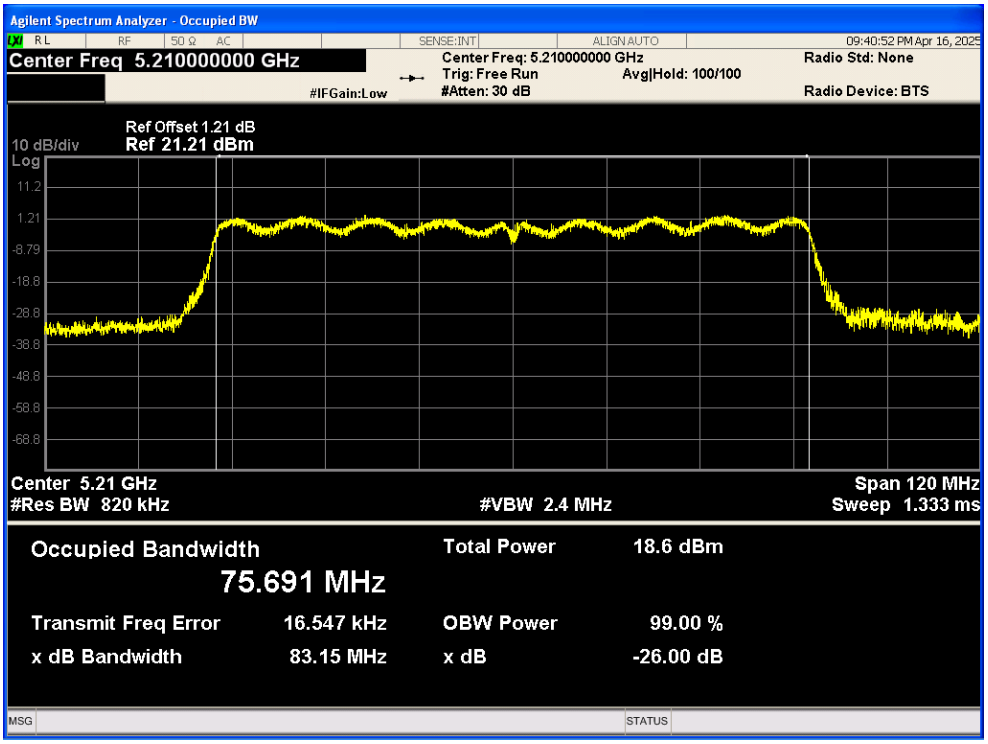
OBW NVNT ac40 5230MHz Ant2



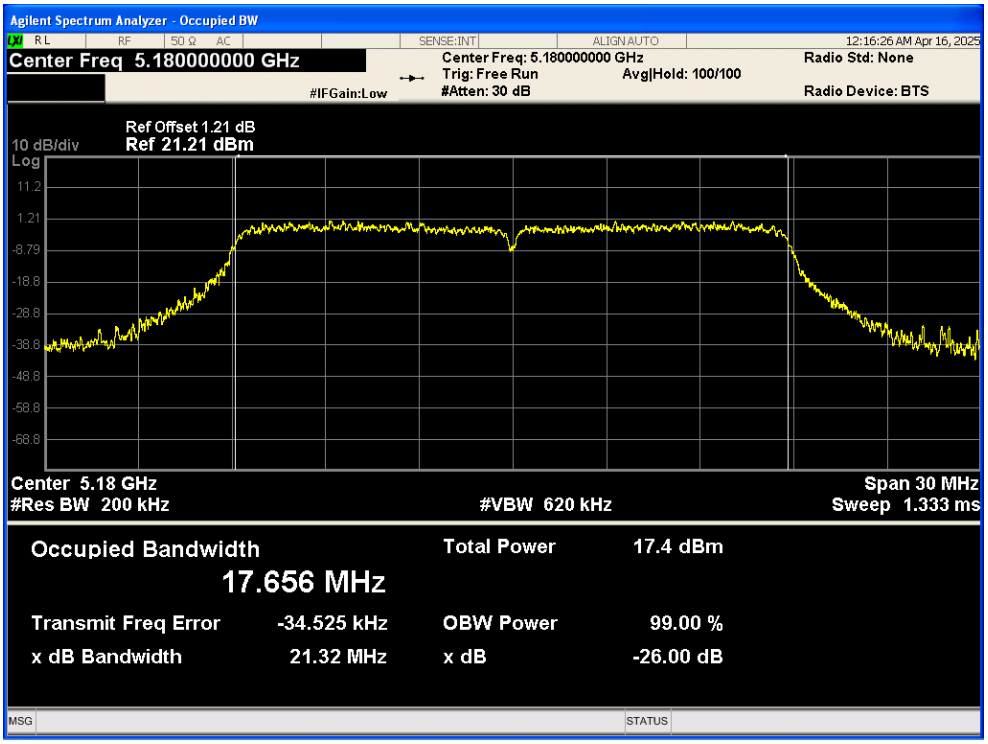
OBW NVNT ac80 5210MHz Ant1



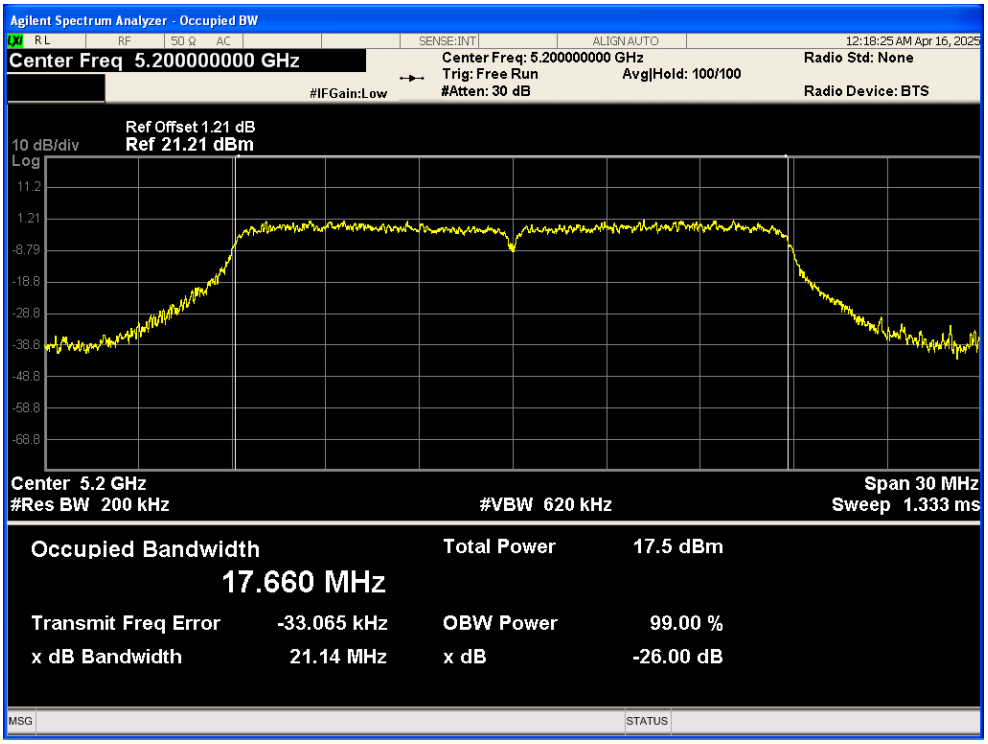
OBW NVNT ac80 5210MHz Ant2



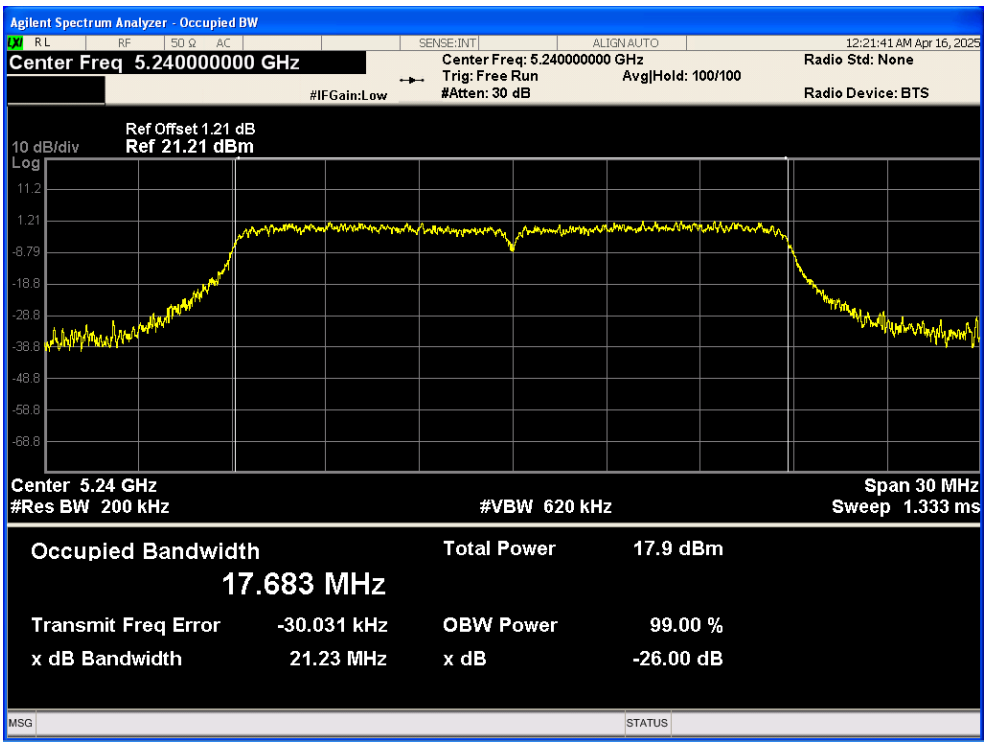
OBW NVNT n20 5180MHz Ant1



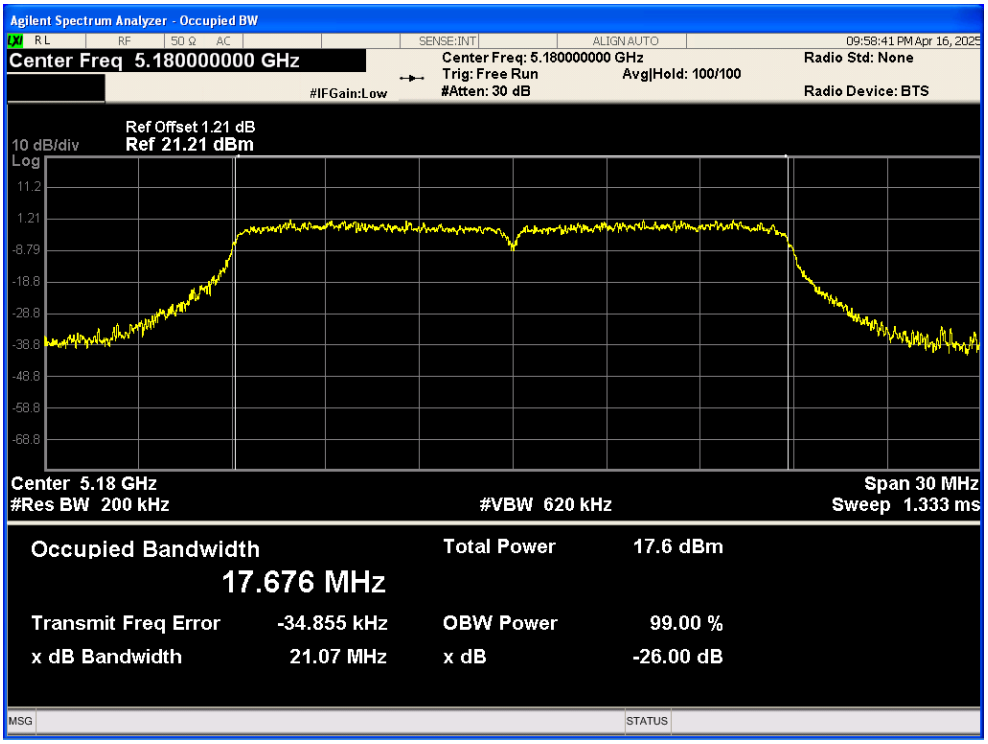
OBW NVNT n20 5200MHz Ant1



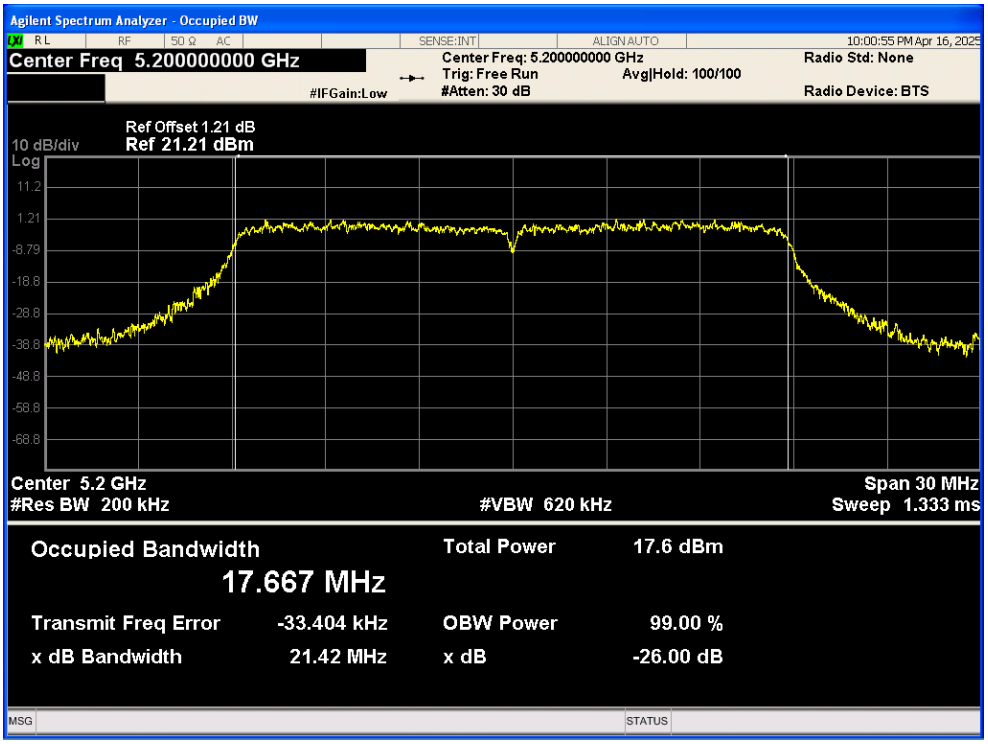
OBW NVNT n20 5240MHz Ant1



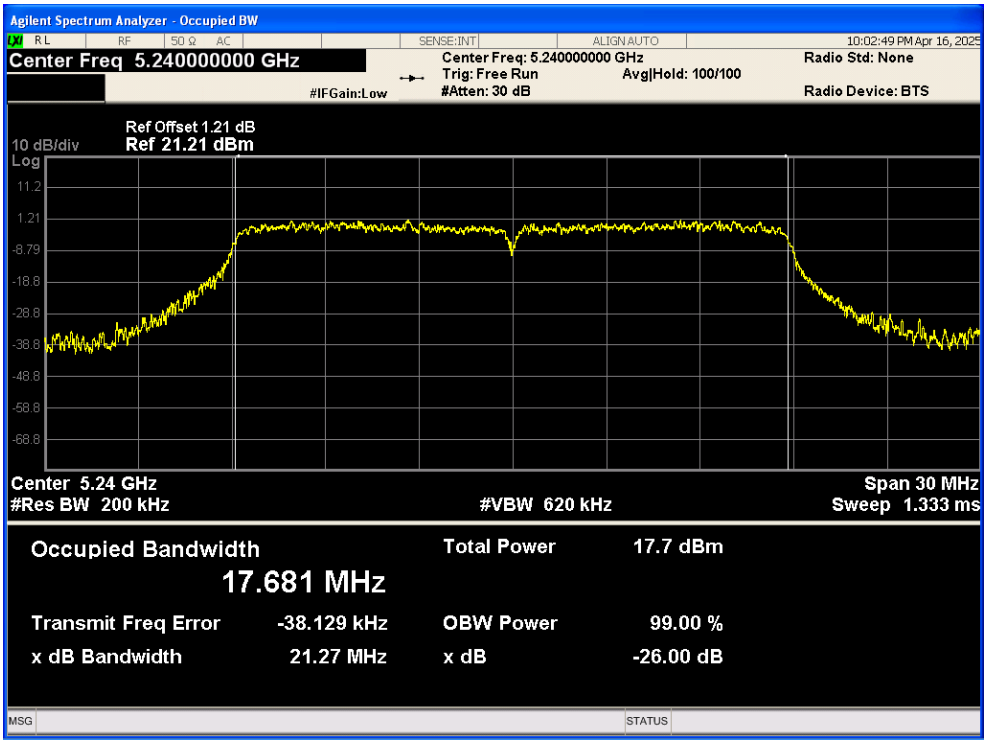
OBW NVNT n20 5180MHz Ant2



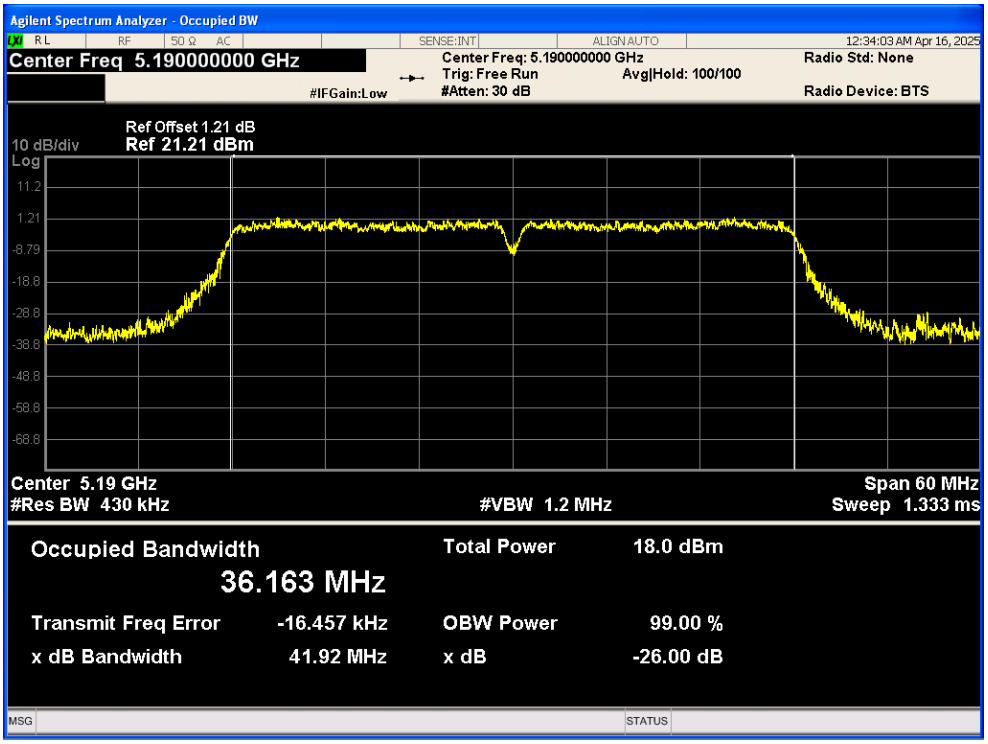
OBW NVNT n20 5200MHz Ant2



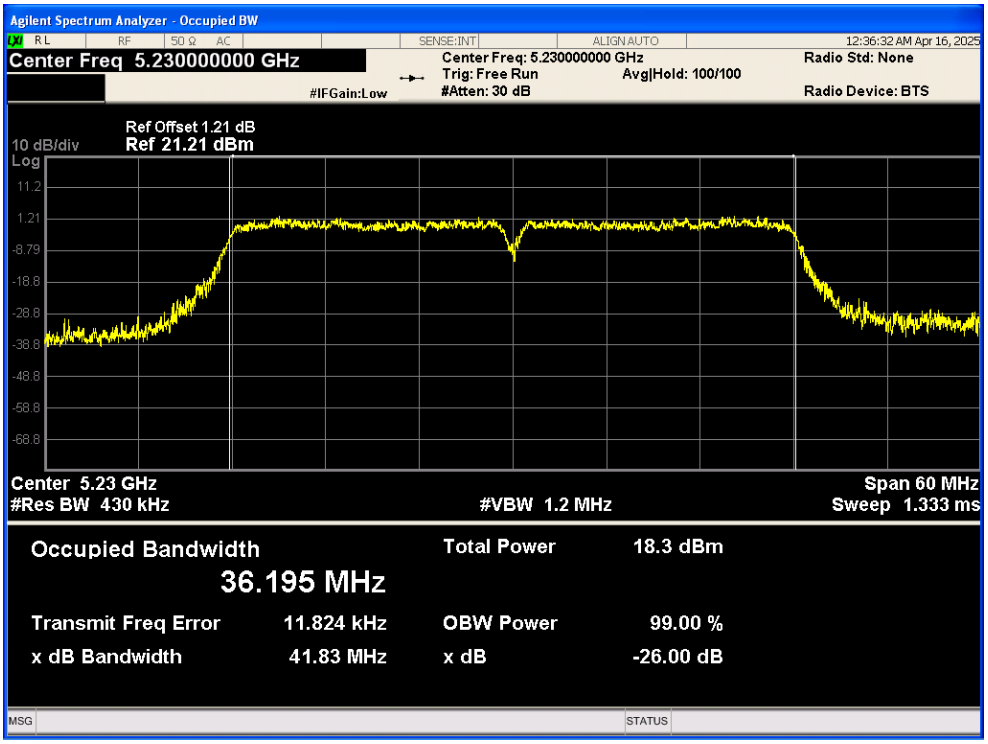
OBW NVNT n20 5240MHz Ant2



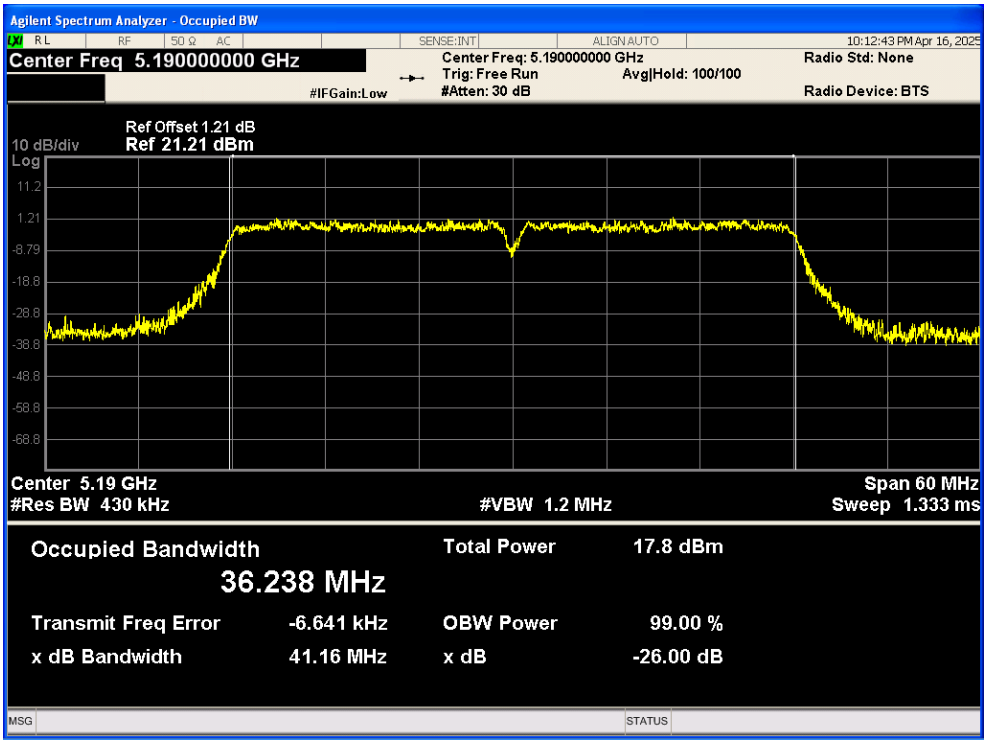
OBW NVNT n40 5190MHz Ant1



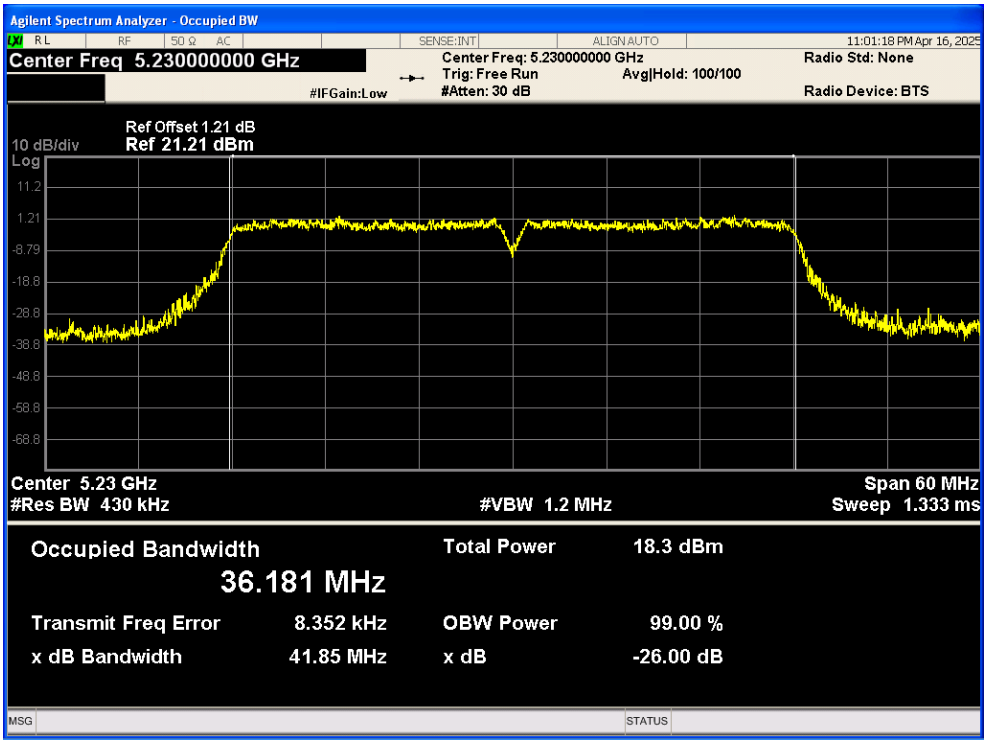
OBW NVNT n40 5230MHz Ant1



OBW NVNT n40 5190MHz Ant2



OBW NVNT n40 5230MHz Ant2

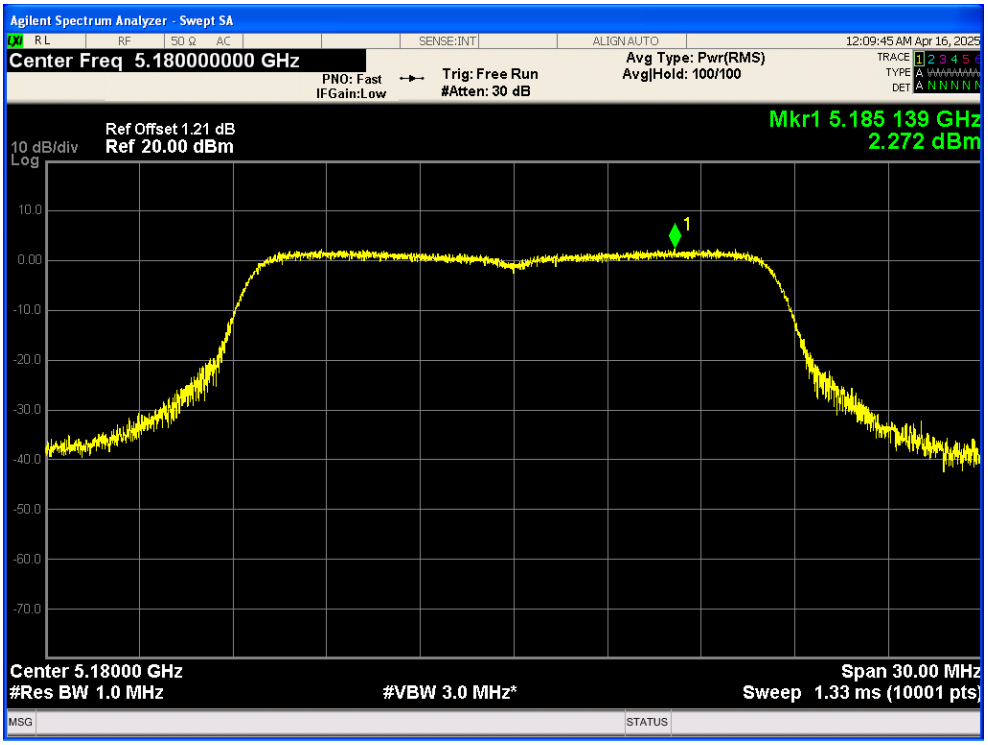


Maximum Power Spectral Density Level

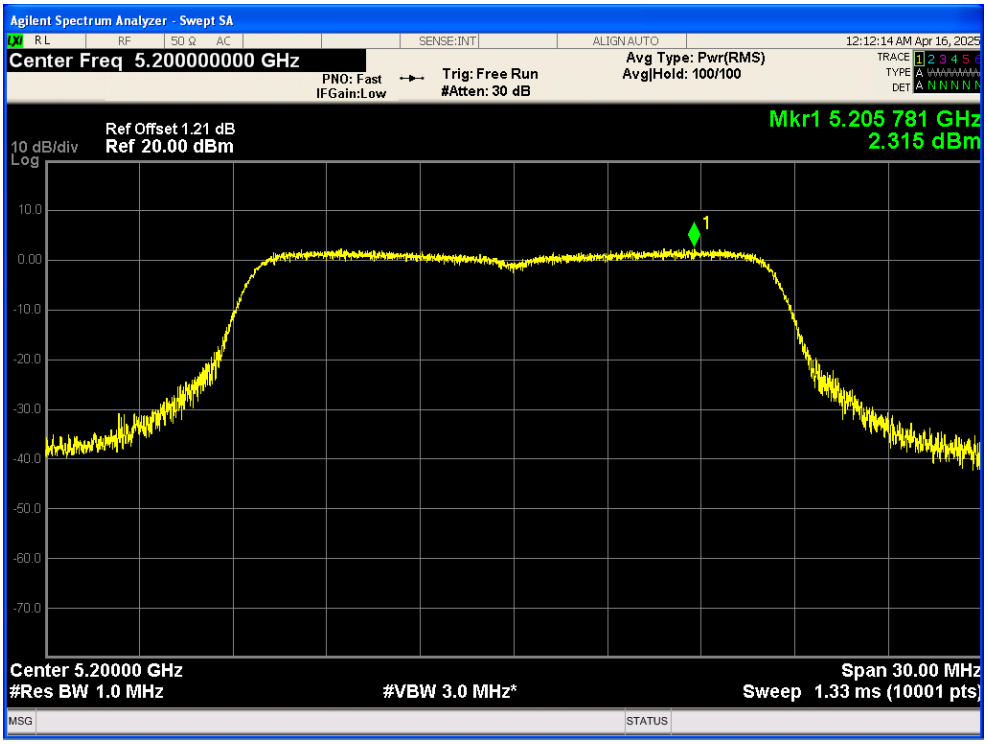
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	2.272	11	Pass
NVNT	a	5200	Ant1	2.315	11	Pass
NVNT	a	5240	Ant1	2.429	11	Pass
NVNT	a	5180	Ant2	3.022	11	Pass
NVNT	a	5200	Ant2	3.263	11	Pass
NVNT	a	5240	Ant2	3.078	11	Pass
NVNT	ac20	5180	Ant1	1.668	11	Pass
NVNT	ac20	5200	Ant1	1.681	11	Pass
NVNT	ac20	5240	Ant1	1.9	11	Pass
NVNT	ac20	5180	Ant2	1.496	11	Pass
NVNT	ac20	5200	Ant2	1.528	11	Pass
NVNT	ac20	5240	Ant2	1.807	11	Pass
NVNT	ac40	5190	Ant1	-1.268	11	Pass
NVNT	ac40	5230	Ant1	-1.198	11	Pass
NVNT	ac40	5190	Ant2	-1.239	11	Pass
NVNT	ac40	5230	Ant2	-1.222	11	Pass
NVNT	ac80	5210	Ant1	-3.133	11	Pass
NVNT	ac80	5210	Ant2	-3.837	11	Pass
NVNT	n20	5180	Ant1	1.804	11	Pass
NVNT	n20	5200	Ant1	1.554	11	Pass
NVNT	n20	5240	Ant1	1.901	11	Pass

NVNT	n20	5180	Ant2	1.829	11	Pass
NVNT	n20	5200	Ant2	1.962	11	Pass
NVNT	n20	5240	Ant2	1.878	11	Pass
NVNT	n40	5190	Ant1	-1.741	11	Pass
NVNT	n40	5230	Ant1	-1.351	11	Pass
NVNT	n40	5190	Ant2	-1.853	11	Pass
NVNT	n40	5230	Ant2	-1.105	11	Pass

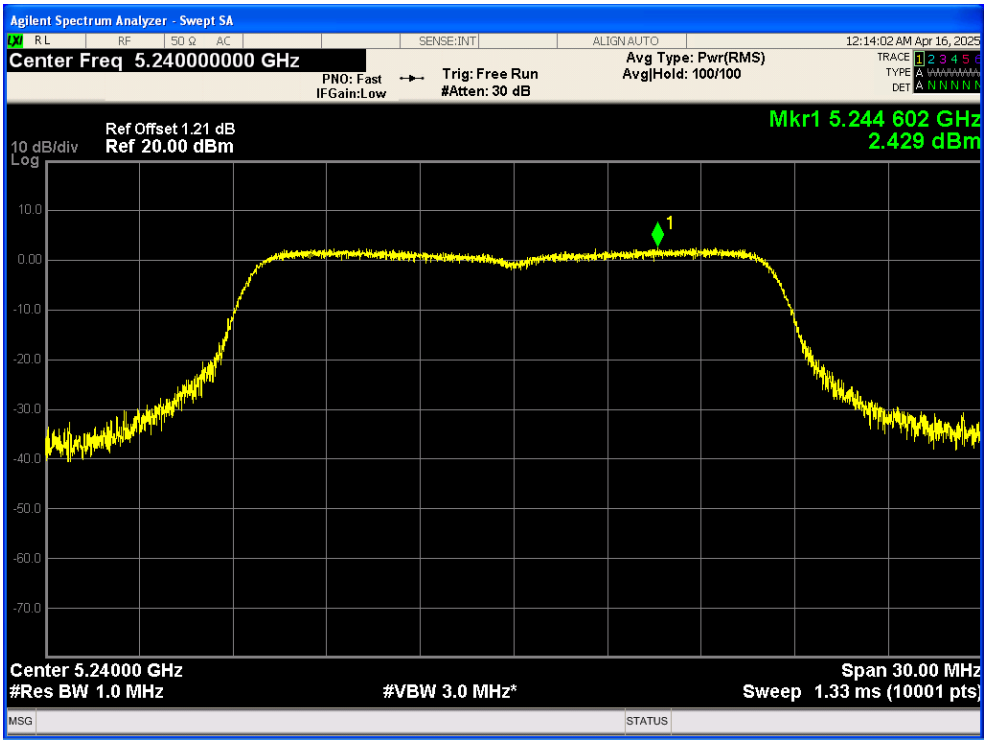
PSD NVNT a 5180MHz Ant1



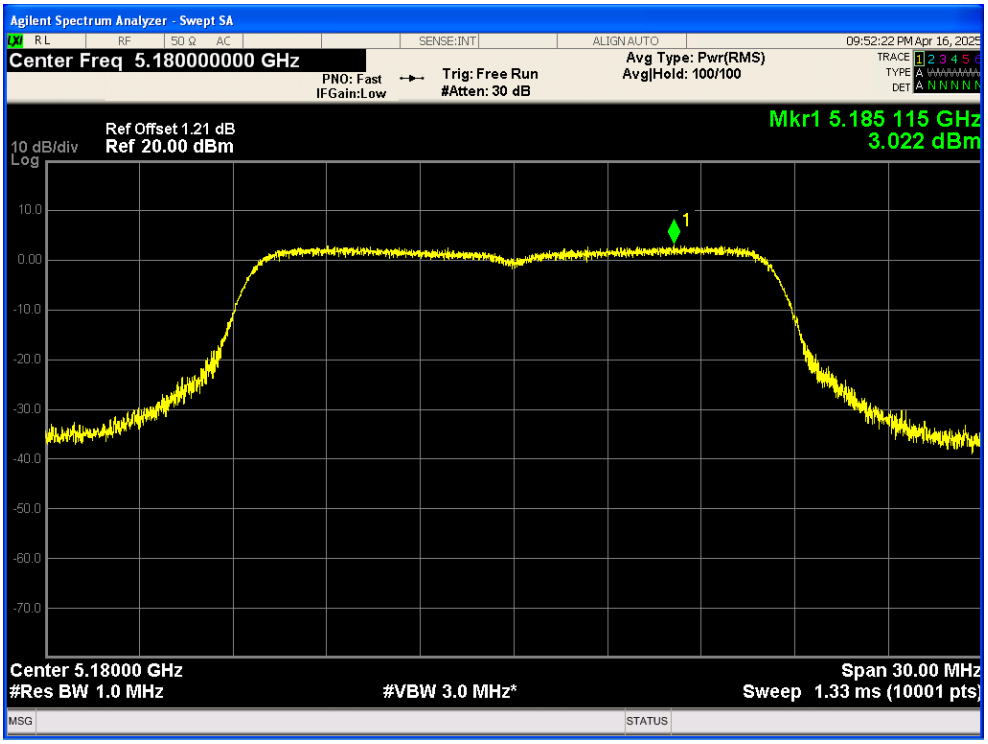
PSD NVNT a 5200MHz Ant1



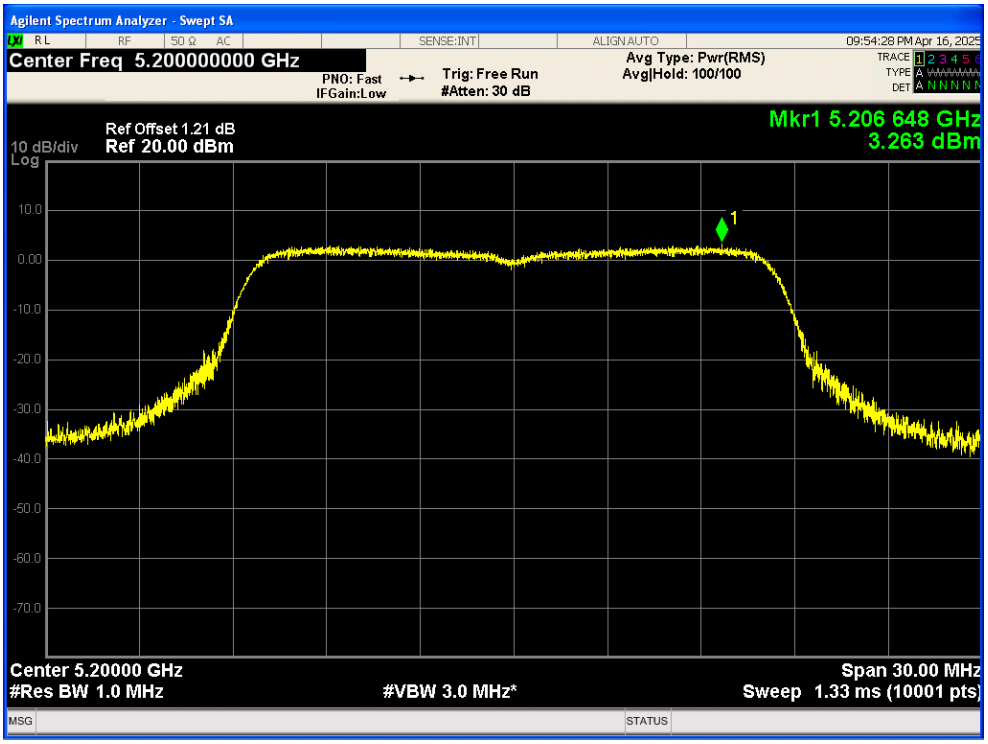
PSD NVNT a 5240MHz Ant1



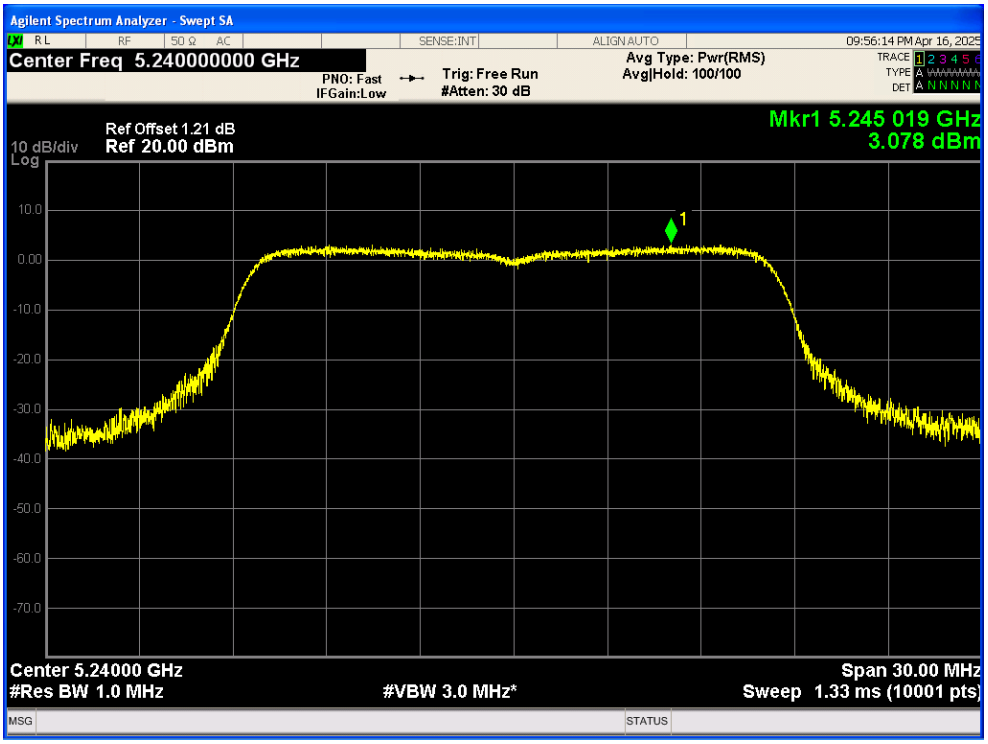
PSD NVNT a 5180MHz Ant2



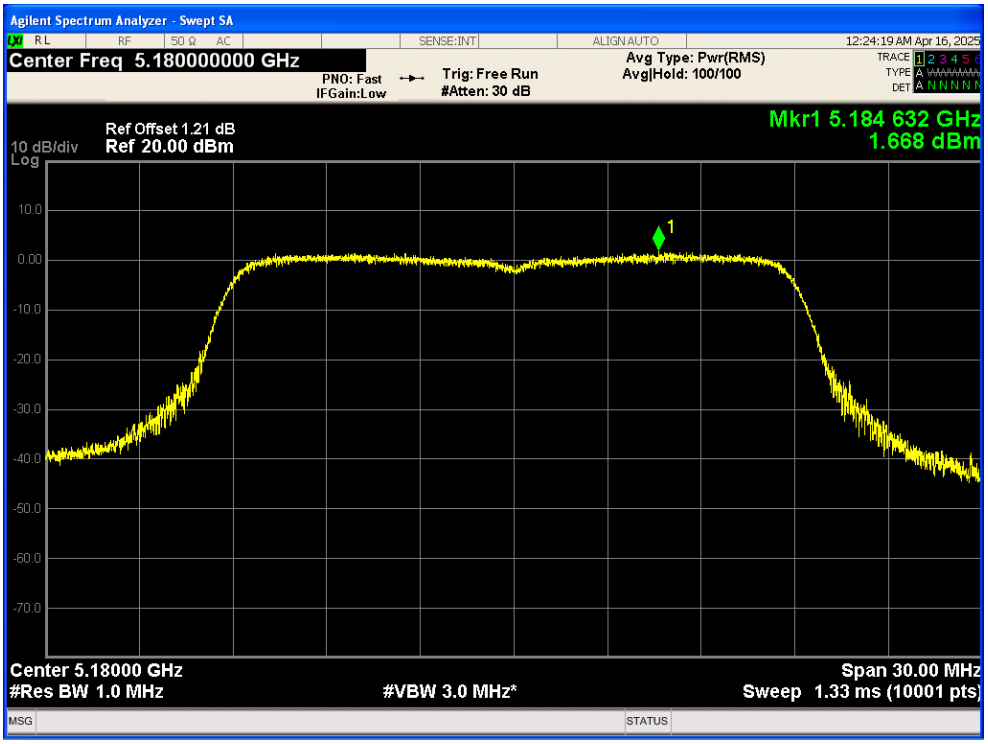
PSD NVNT a 5200MHz Ant2



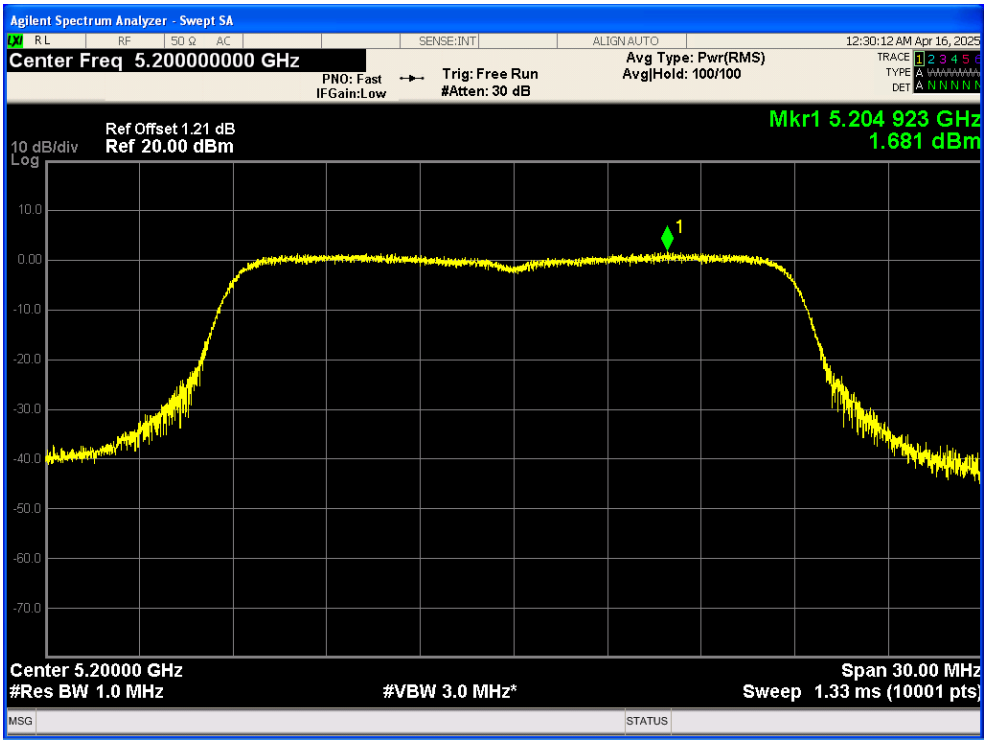
PSD NVNT a 5240MHz Ant2



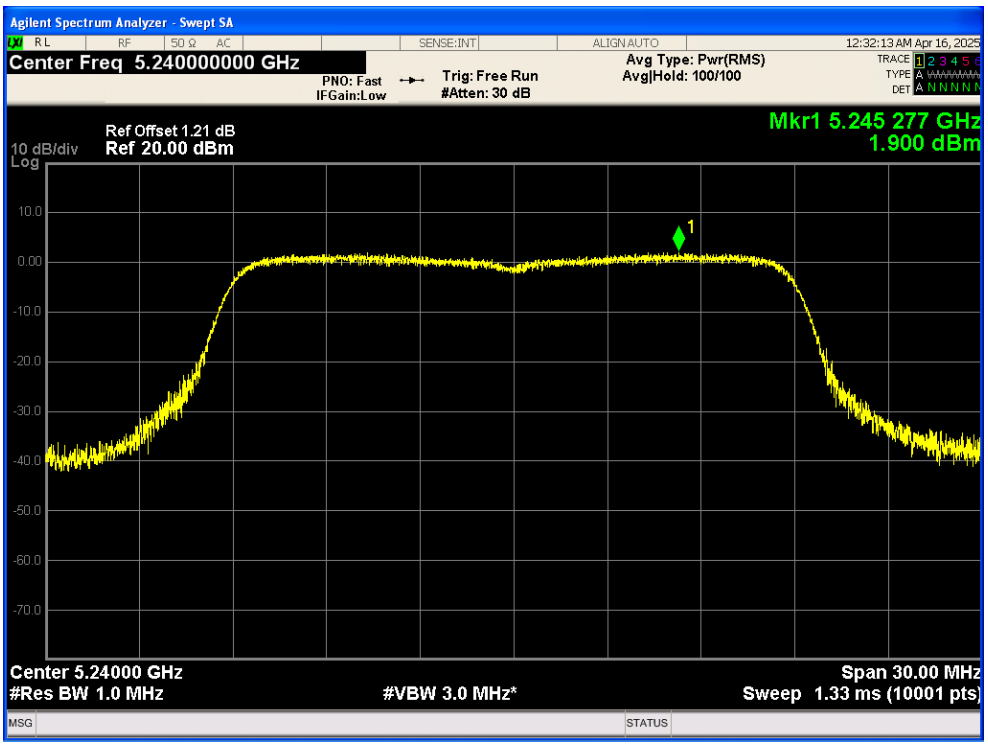
PSD NVNT ac20 5180MHz Ant1



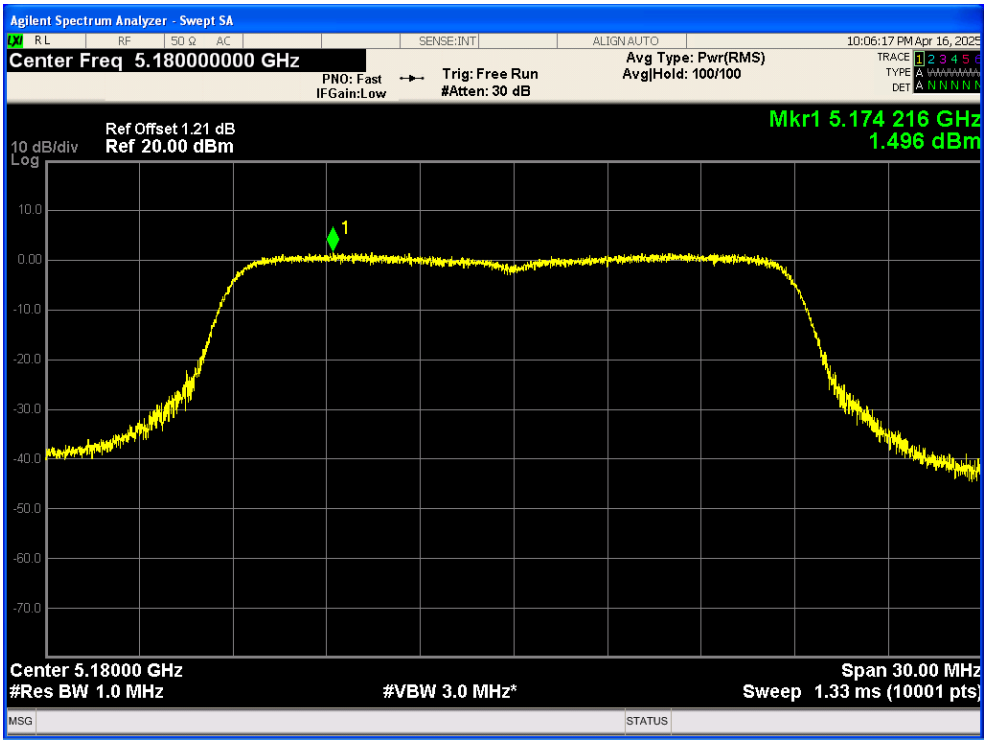
PSD NVNT ac20 5200MHz Ant1



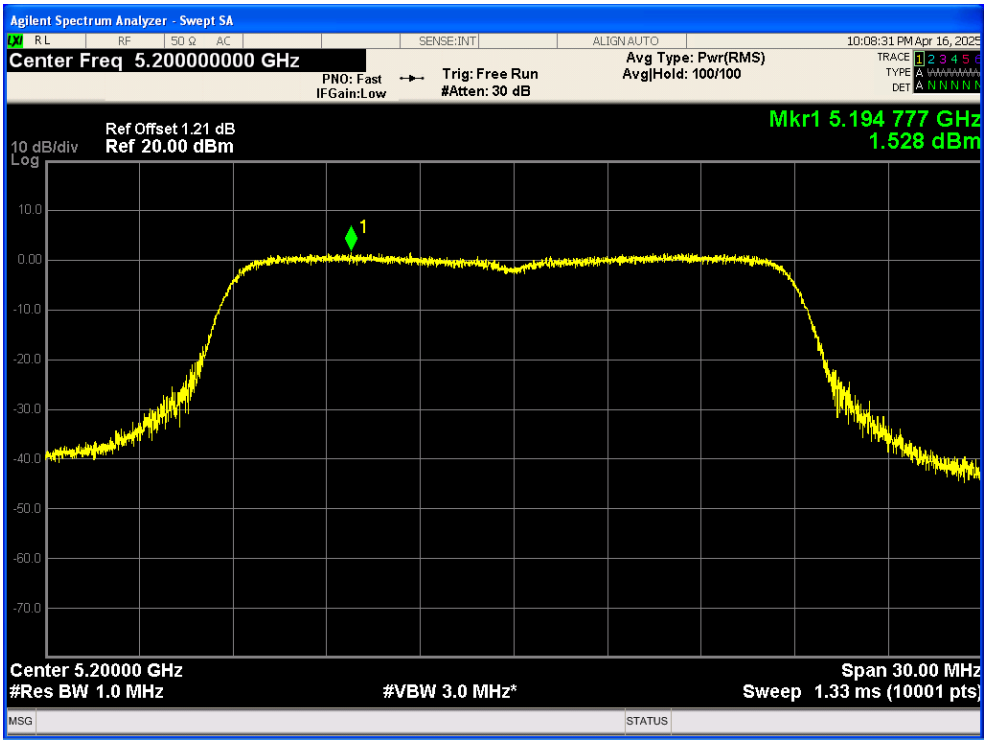
PSD NVNT ac20 5240MHz Ant1



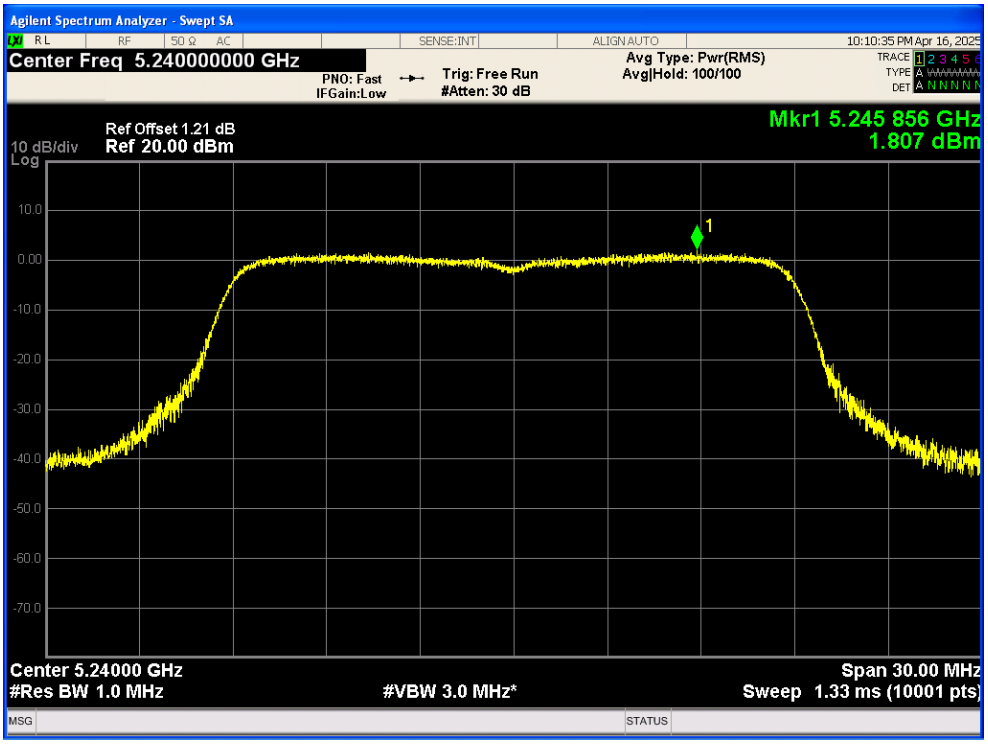
PSD NVNT ac20 5180MHz Ant2



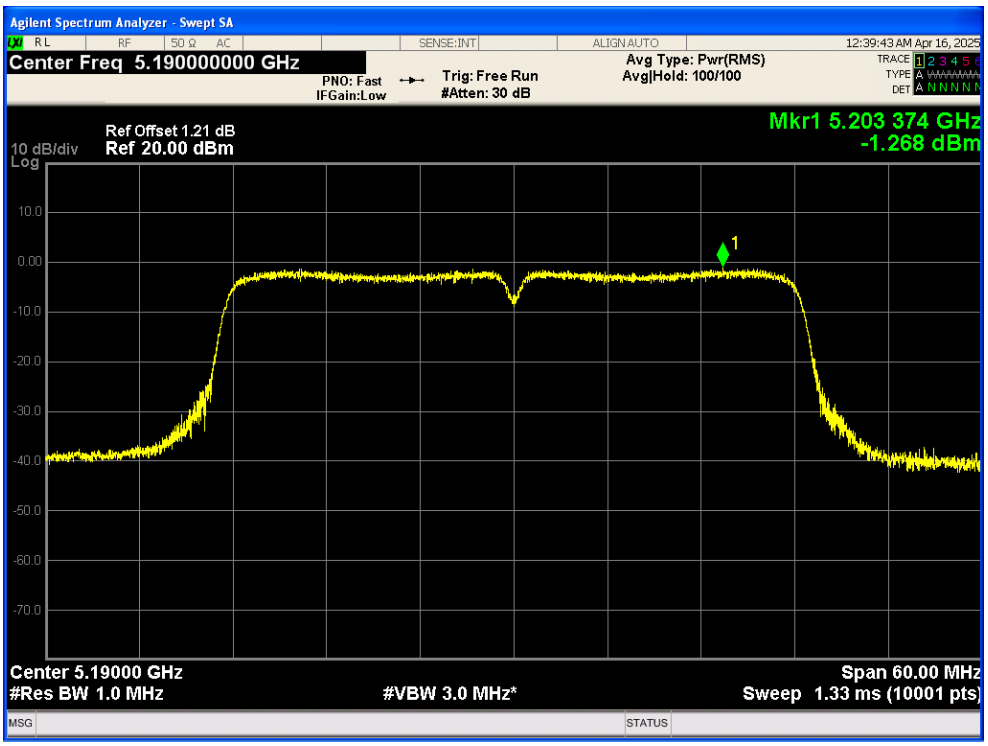
PSD NVNT ac20 5200MHz Ant2



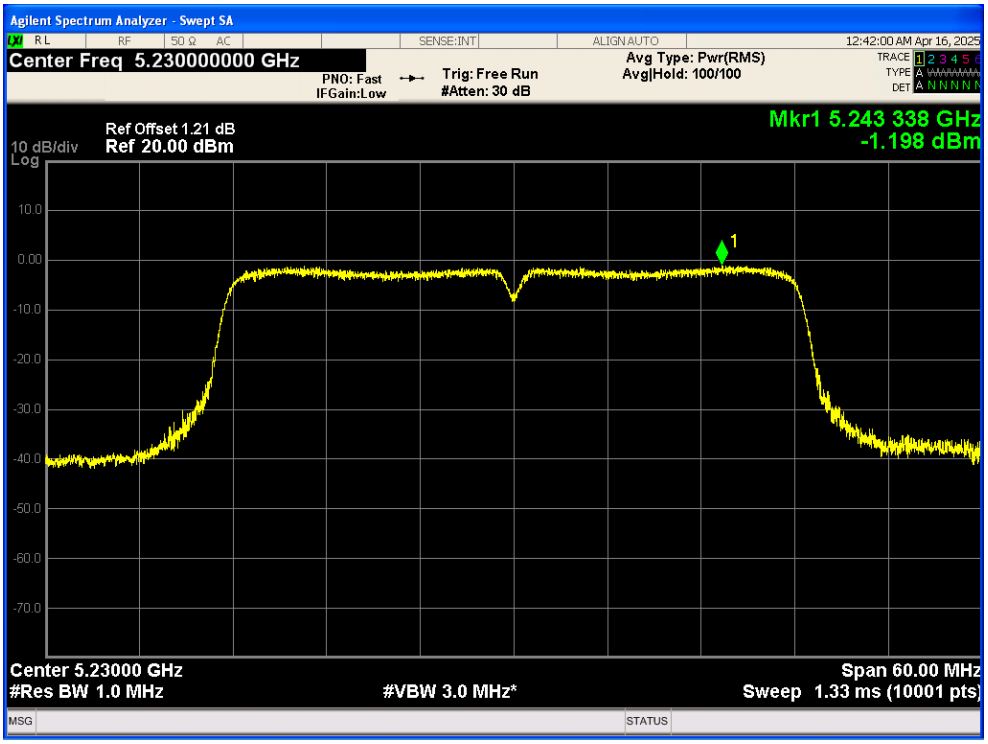
PSD NVNT ac20 5240MHz Ant2



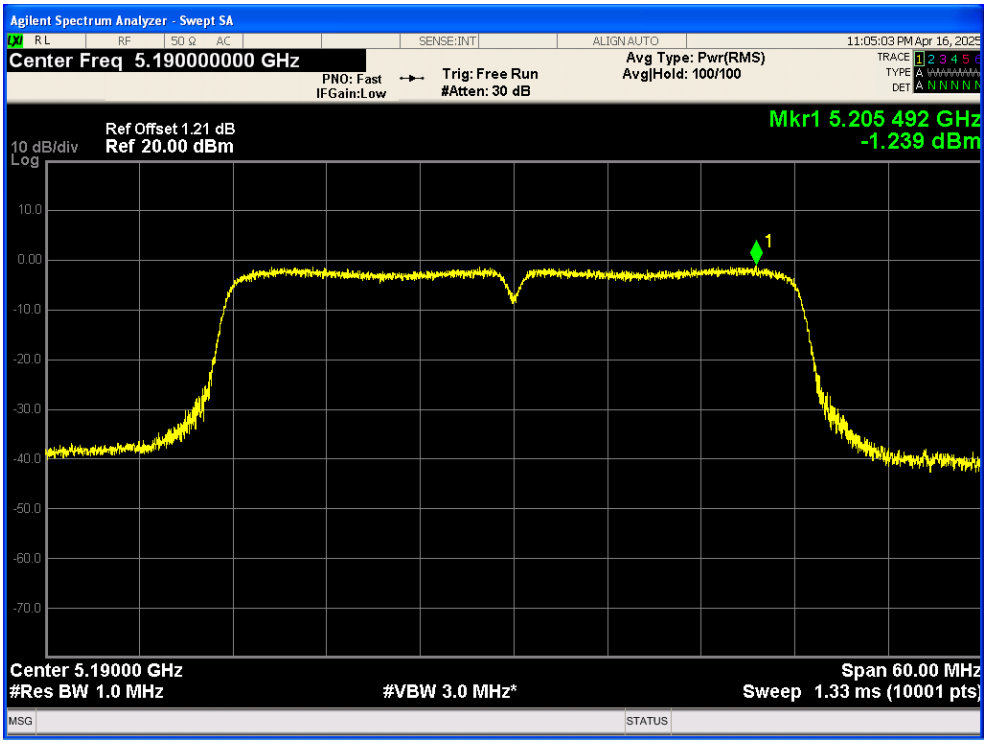
PSD NVNT ac40 5190MHz Ant1



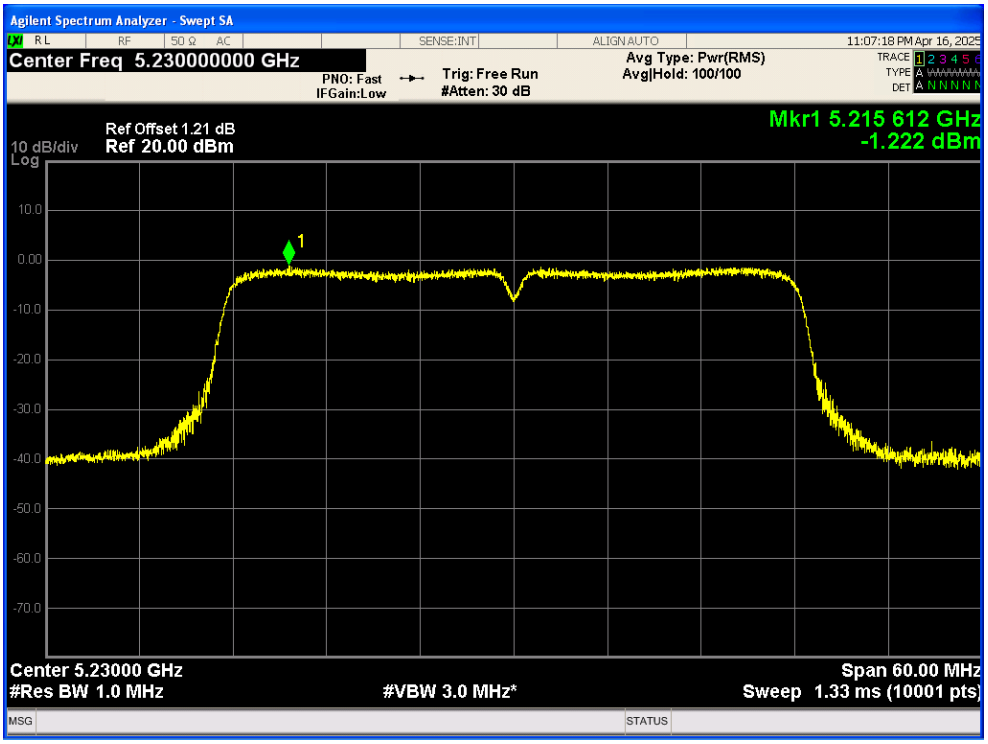
PSD NVNT ac40 5230MHz Ant1



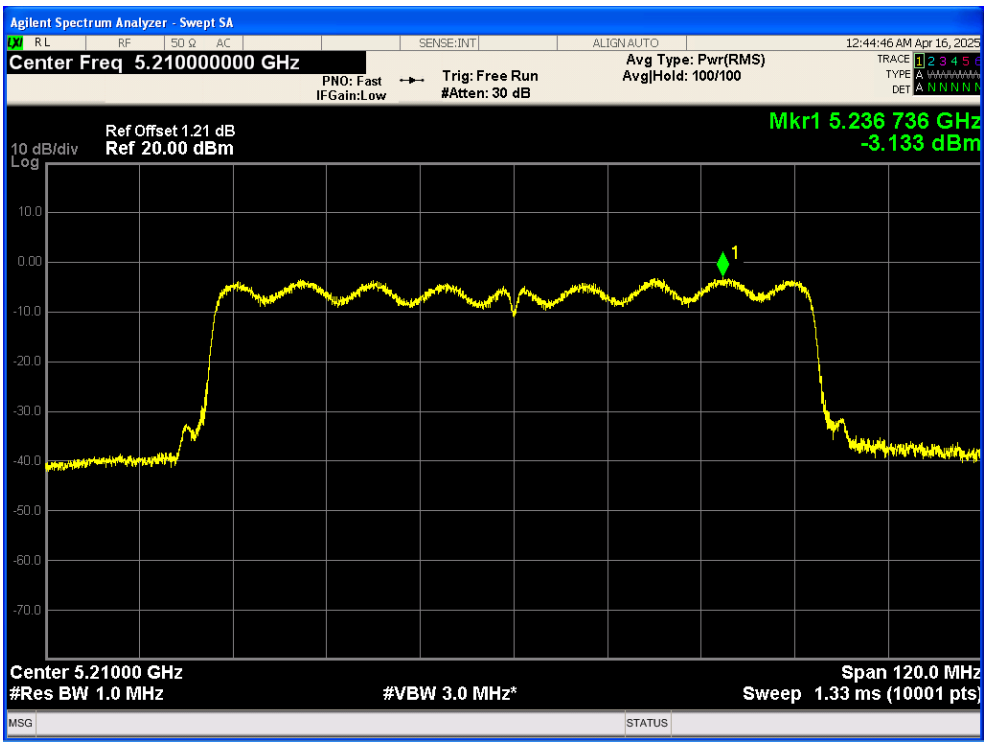
PSD NVNT ac40 5190MHz Ant2



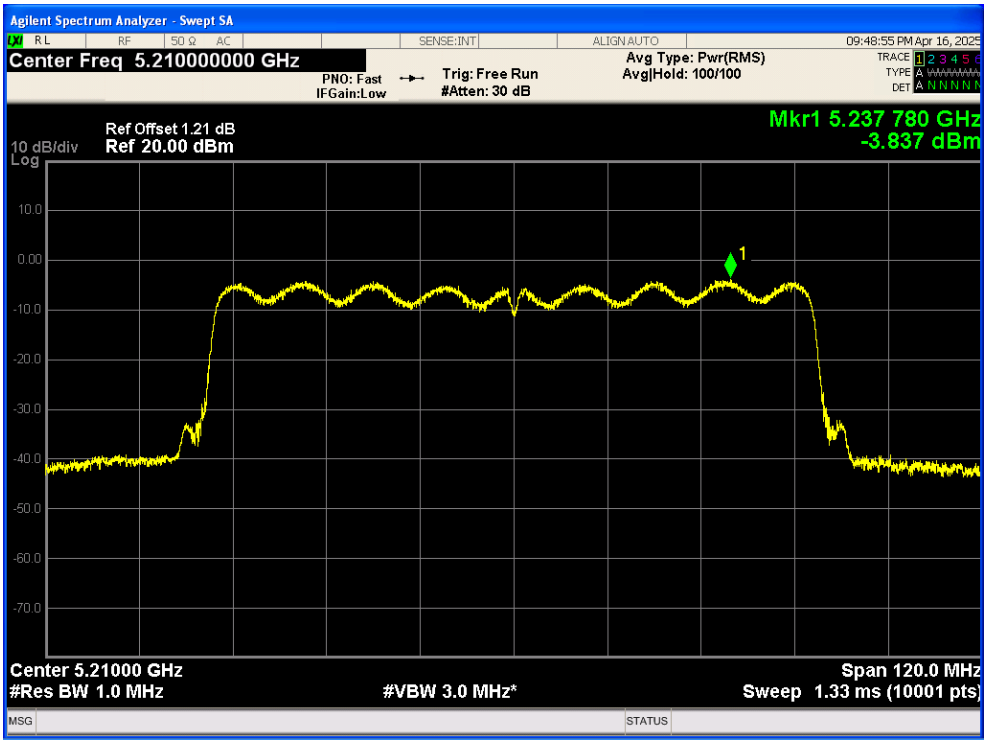
PSD NVNT ac40 5230MHz Ant2



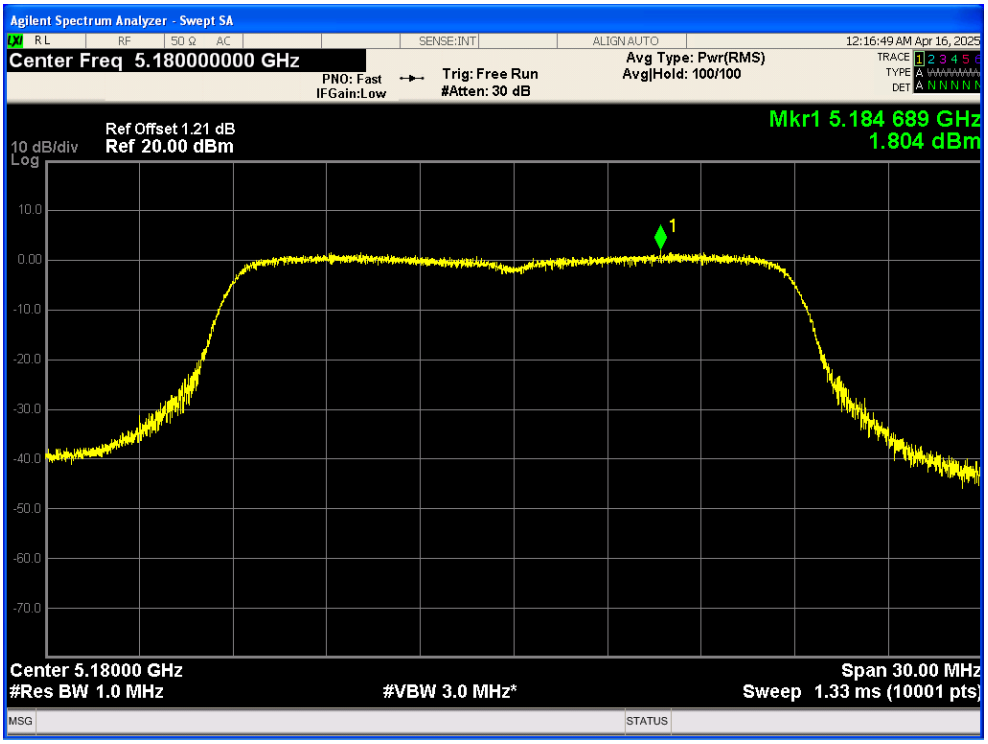
PSD NVNT ac80 5210MHz Ant1



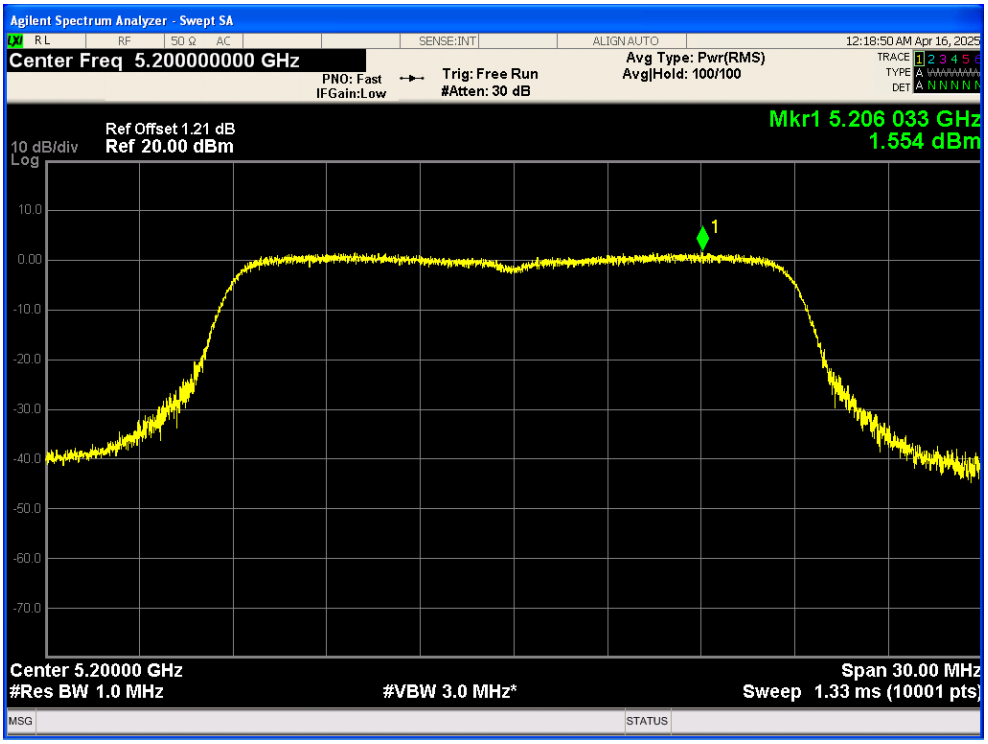
PSD NVNT ac80 5210MHz Ant2



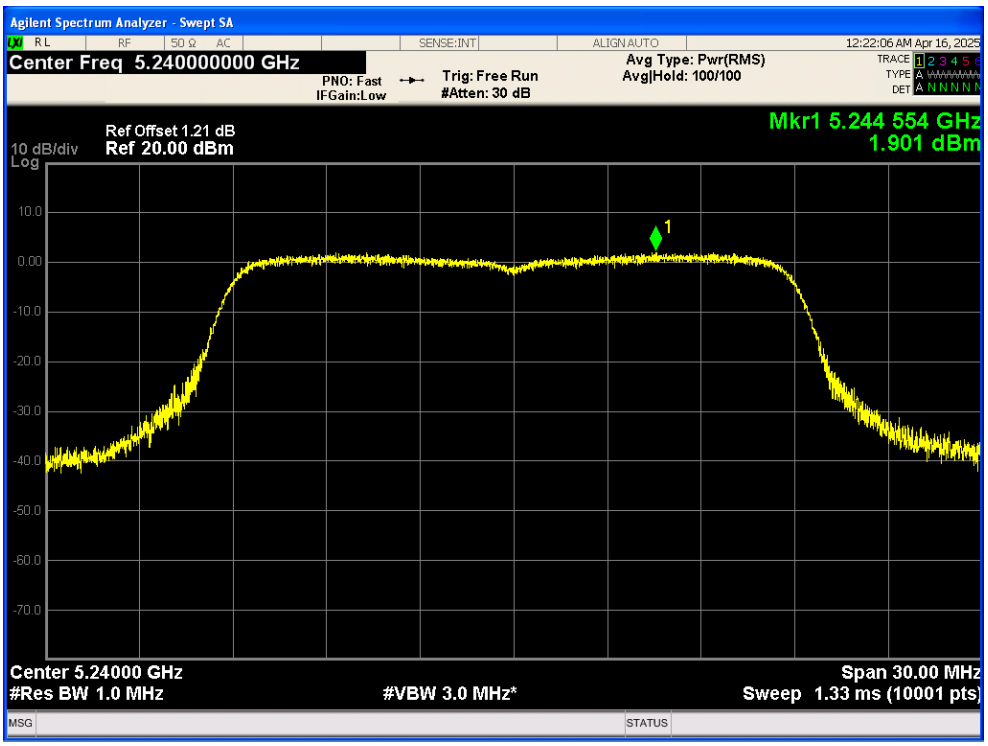
PSD NVNT n20 5180MHz Ant1



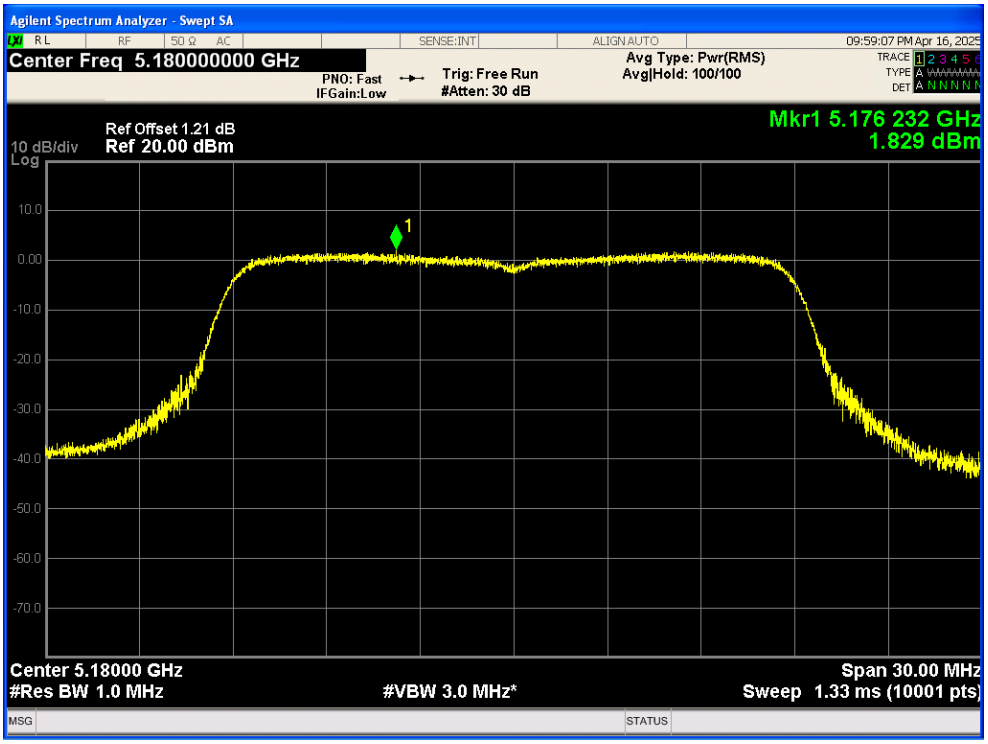
PSD NVNT n20 5200MHz Ant1



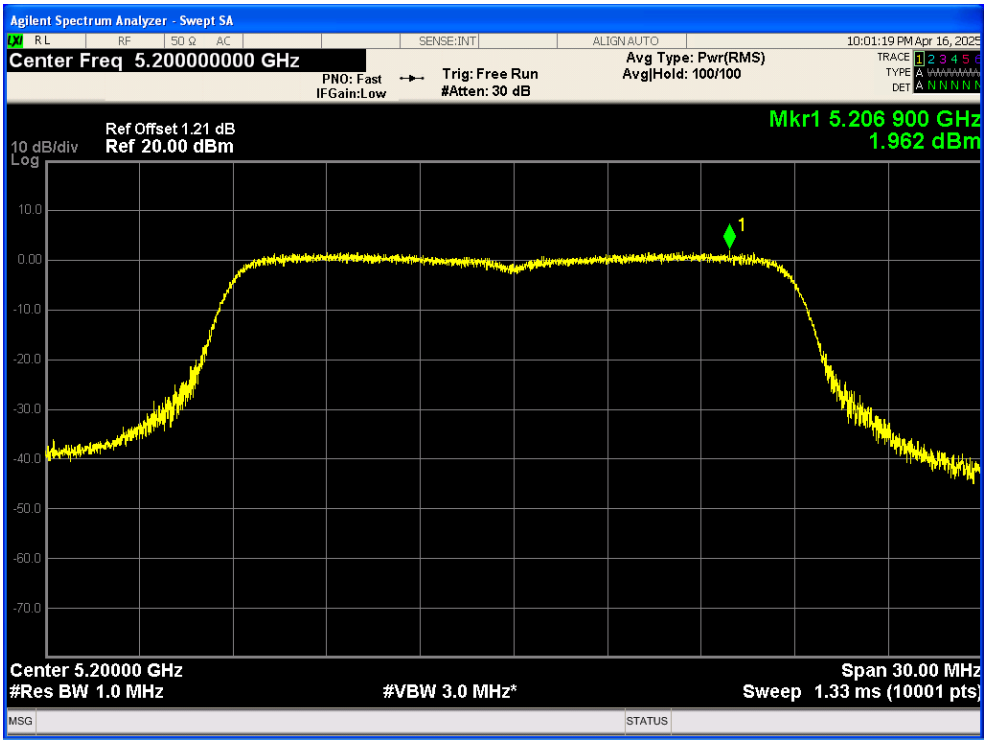
PSD NVNT n20 5240MHz Ant1



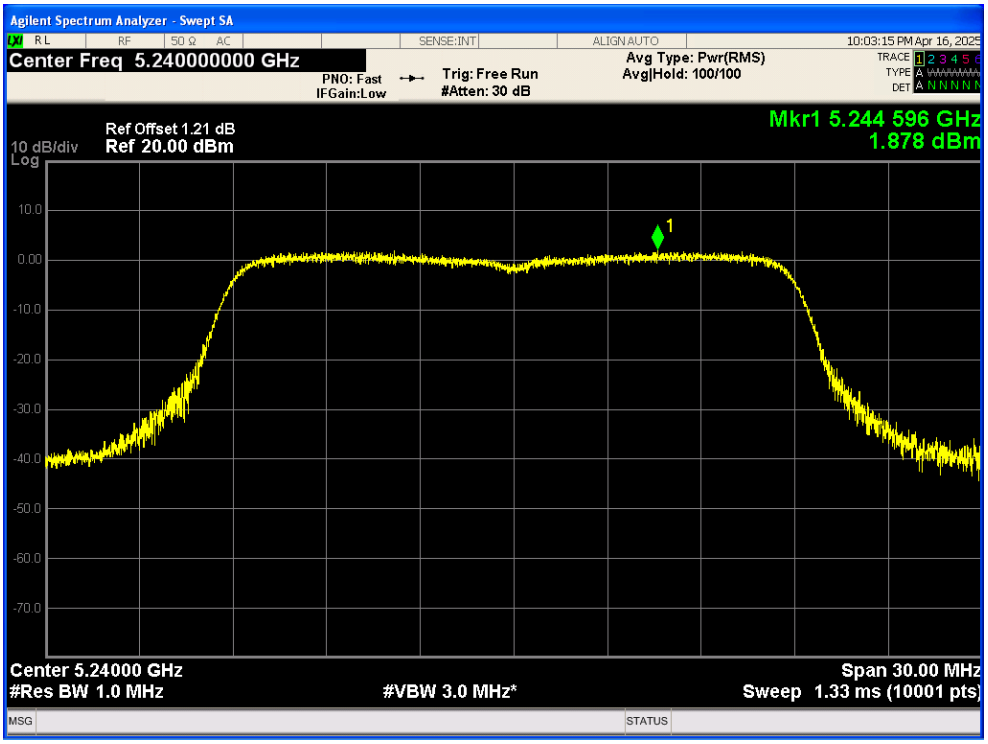
PSD NVNT n20 5180MHz Ant2



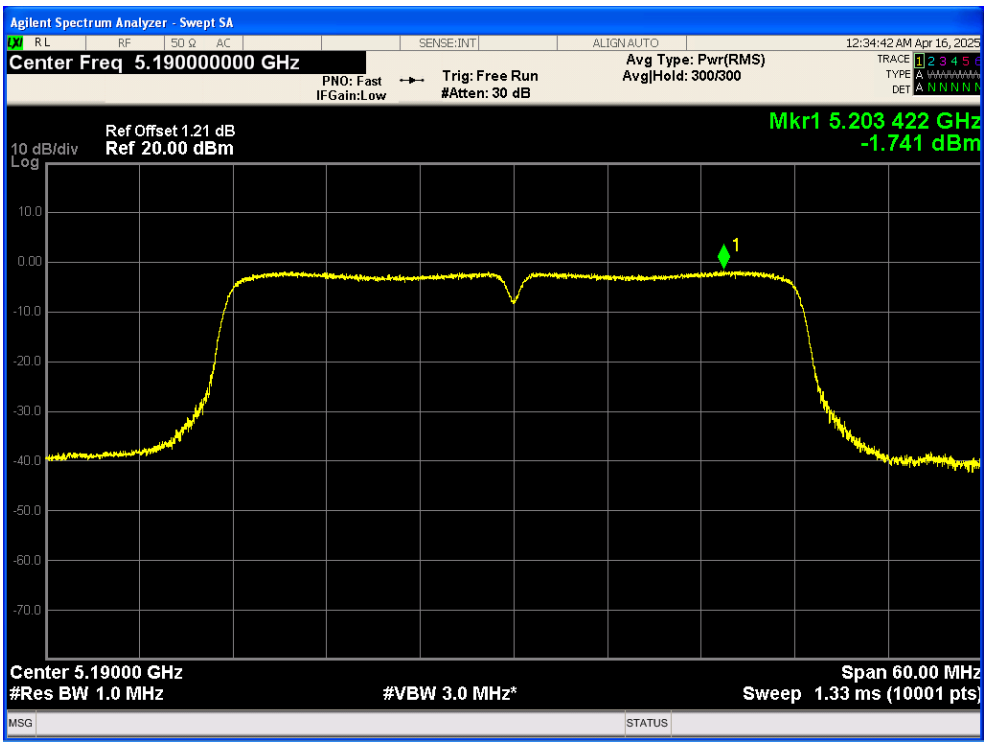
PSD NVNT n20 5200MHz Ant2



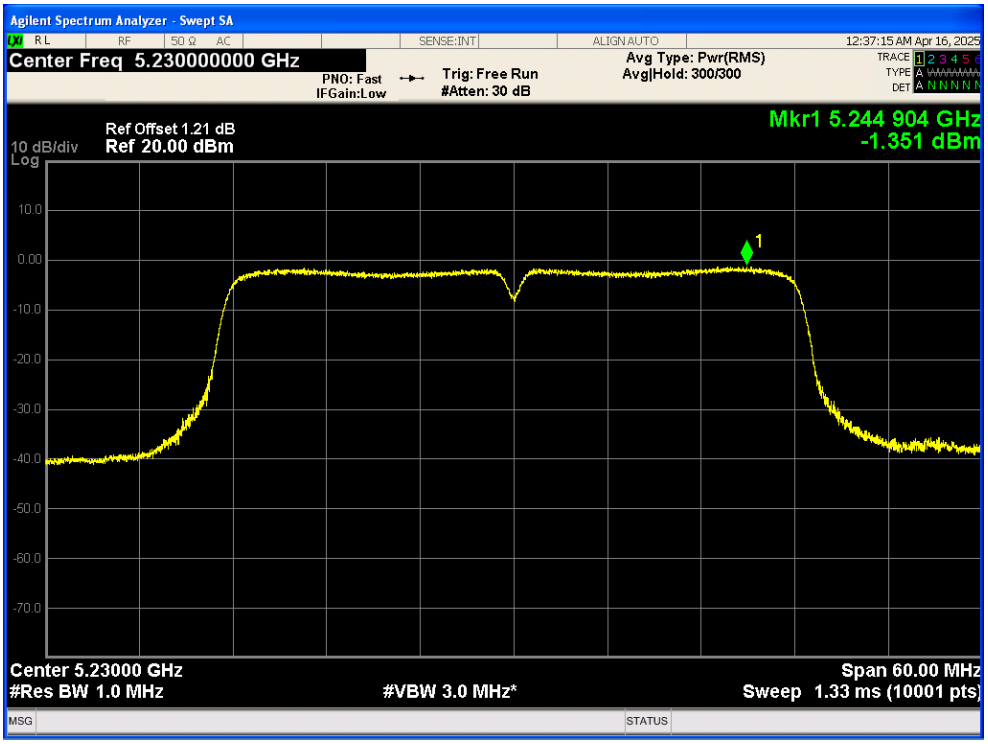
PSD NVNT n20 5240MHz Ant2



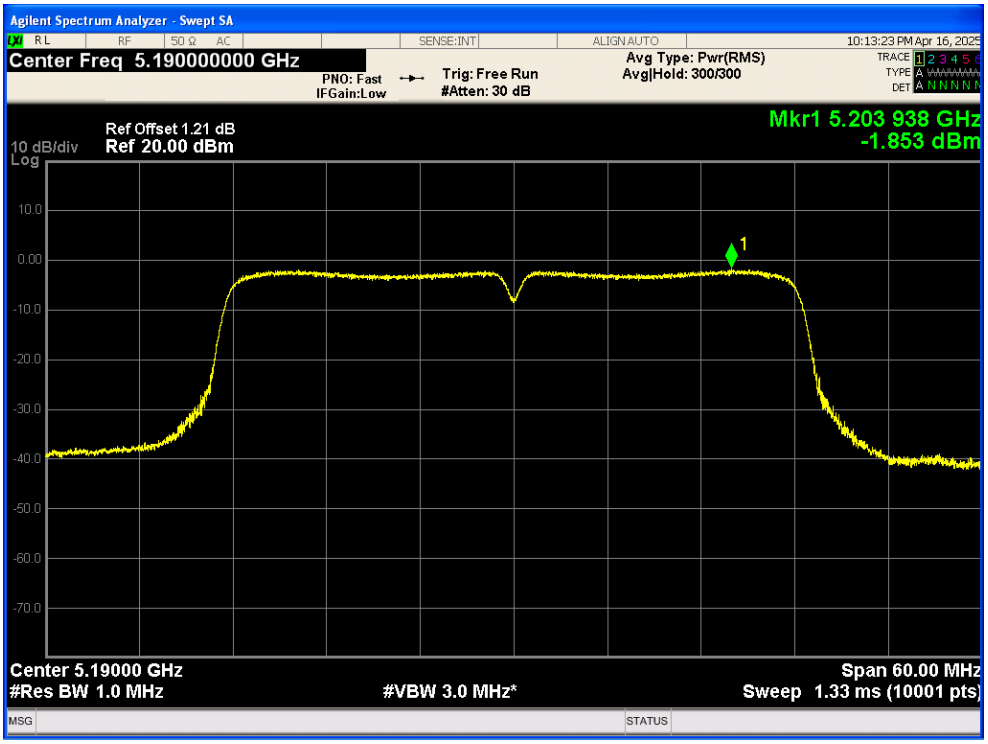
PSD NVNT n40 5190MHz Ant1



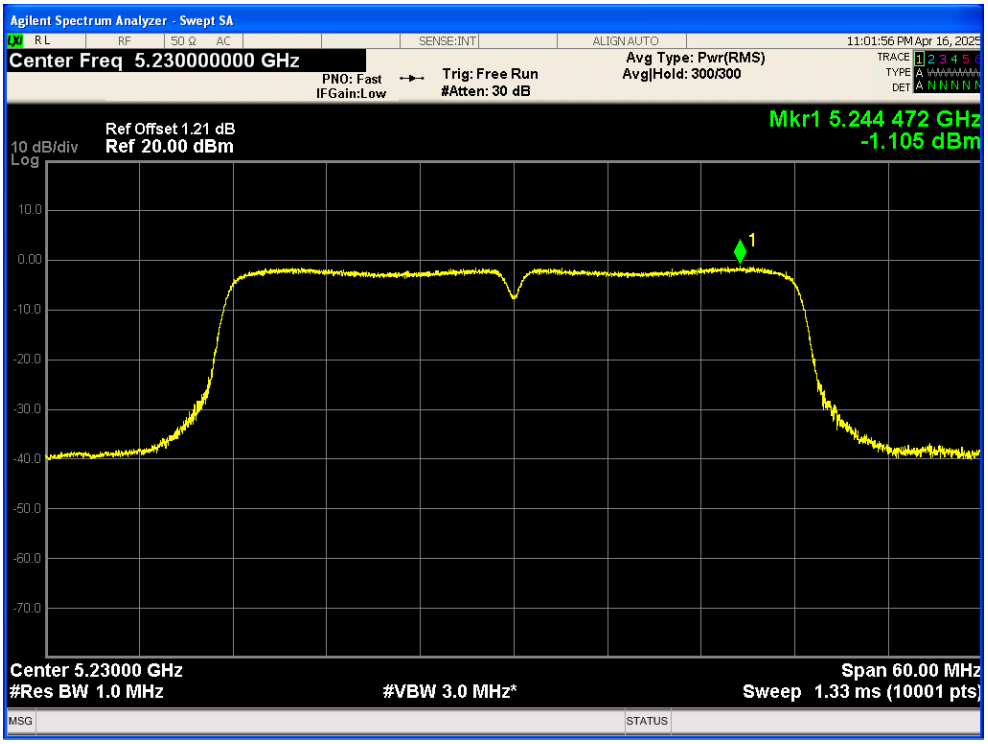
PSD NVNT n40 5230MHz Ant1



PSD NVNT n40 5190MHz Ant2



PSD NVNT n40 5230MHz Ant2

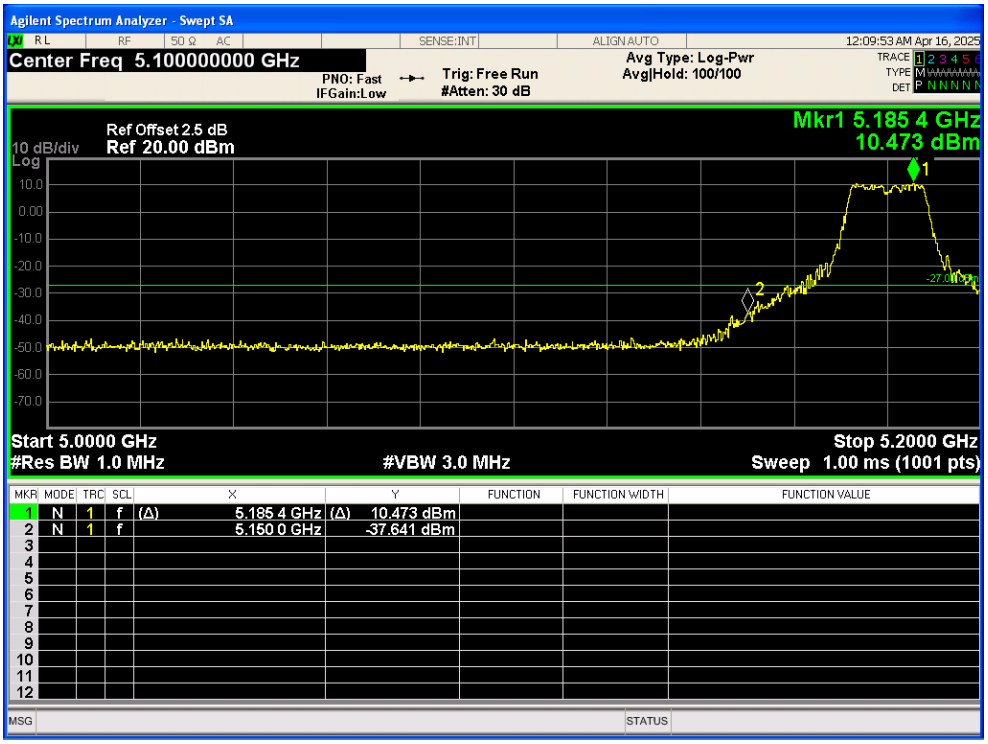


Band Edge

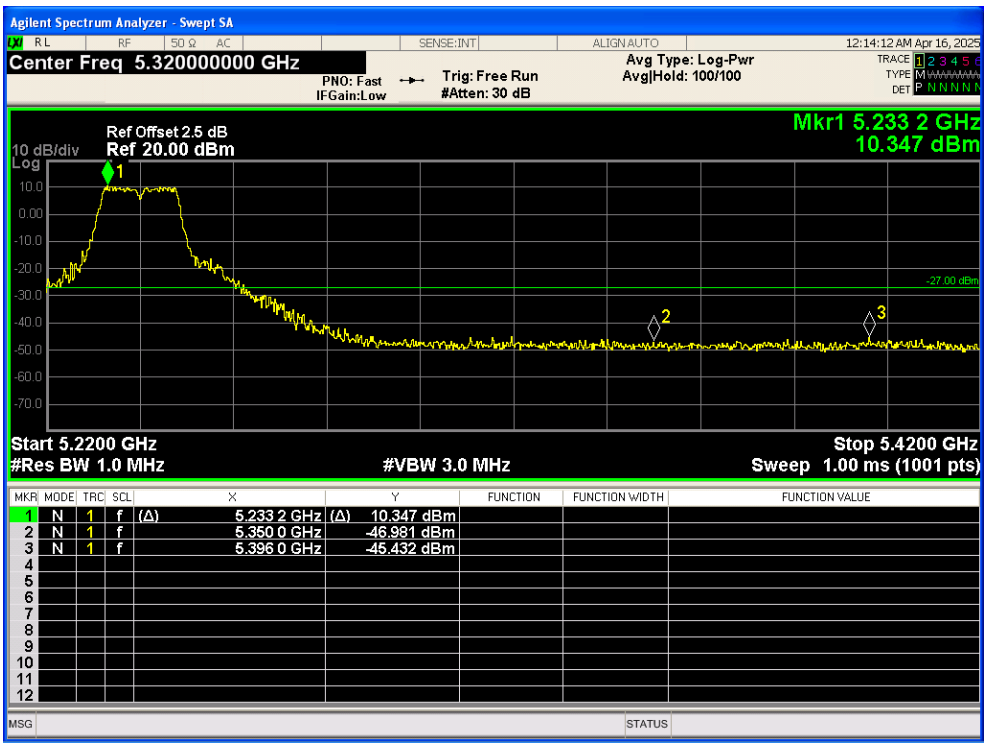
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-37.64	-27	Pass
NVNT	a	5240	Ant1	-45.43	-27	Pass
NVNT	a	5180	Ant2	-32.63	-27	Pass
NVNT	a	5240	Ant2	-42.58	-27	Pass
NVNT	ac20	5180	Ant1	-34.41	-27	Pass
NVNT	ac20	5240	Ant1	-45.63	-27	Pass
NVNT	ac20	5180	Ant2	-33.59	-27	Pass
NVNT	ac20	5240	Ant2	-42.94	-27	Pass
NVNT	ac40	5190	Ant1	-31.57	-27	Pass
NVNT	ac40	5230	Ant1	-45.89	-27	Pass
NVNT	ac40	5190	Ant2	-28.1	-27	Pass
NVNT	ac40	5230	Ant2	-43.28	-27	Pass
NVNT	ac80	5210	Ant1	-44.37	-27	Pass
NVNT	ac80	5210	Ant2	-43.01	-27	Pass
NVNT	n20	5180	Ant1	-35.53	-27	Pass
NVNT	n20	5240	Ant1	-44.28	-27	Pass
NVNT	n20	5180	Ant2	-31.97	-27	Pass
NVNT	n20	5240	Ant2	-43.02	-27	Pass
NVNT	n40	5190	Ant1	-31.91	-27	Pass
NVNT	n40	5230	Ant1	-45.6	-27	Pass
NVNT	n40	5190	Ant2	-28.46	-27	Pass

NVNT	n40	5230	Ant2	-42.7	-27	Pass

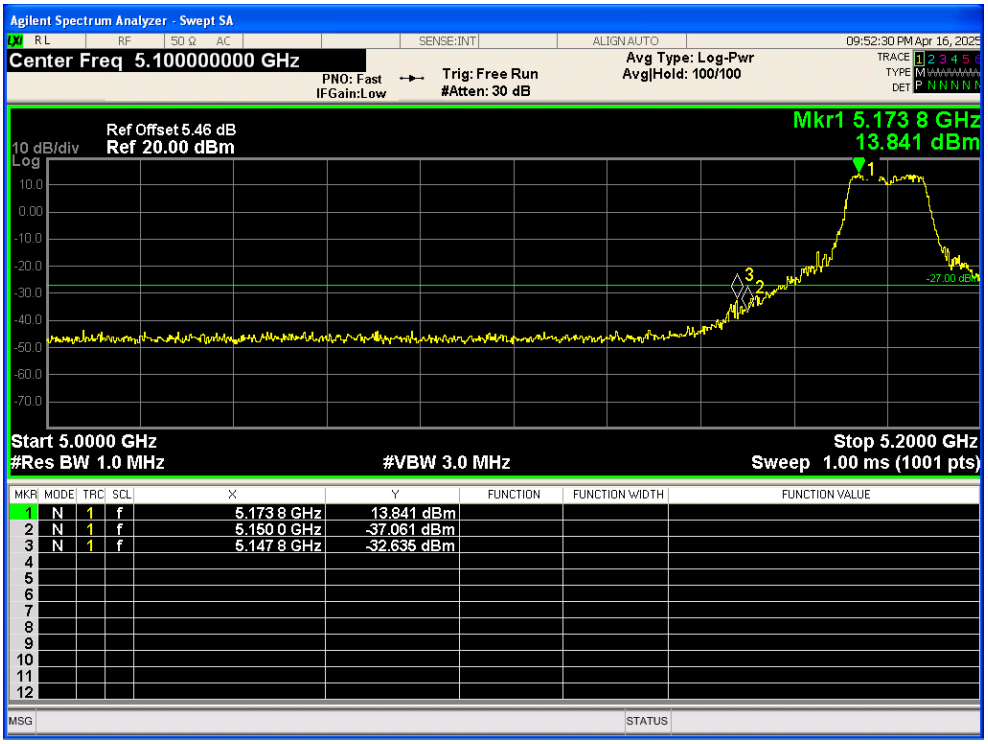
Band Edge NVNT a 5180MHz Low Ant1



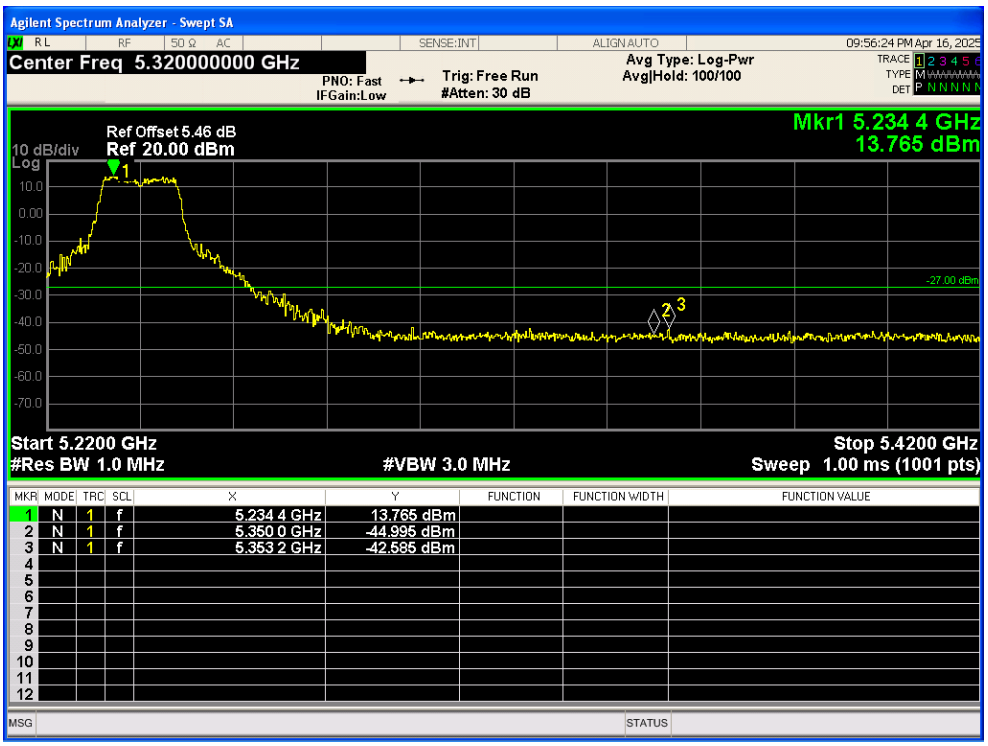
Band Edge NVNT a 5240MHz High Ant1



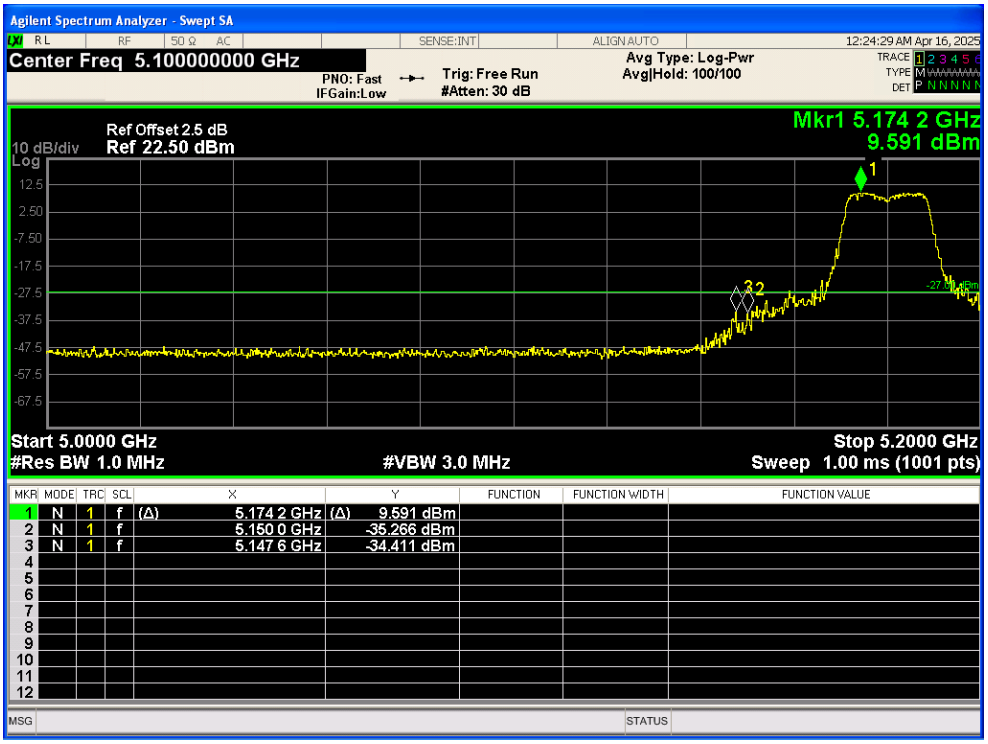
Band Edge NVNT a 5180MHz Low Ant2



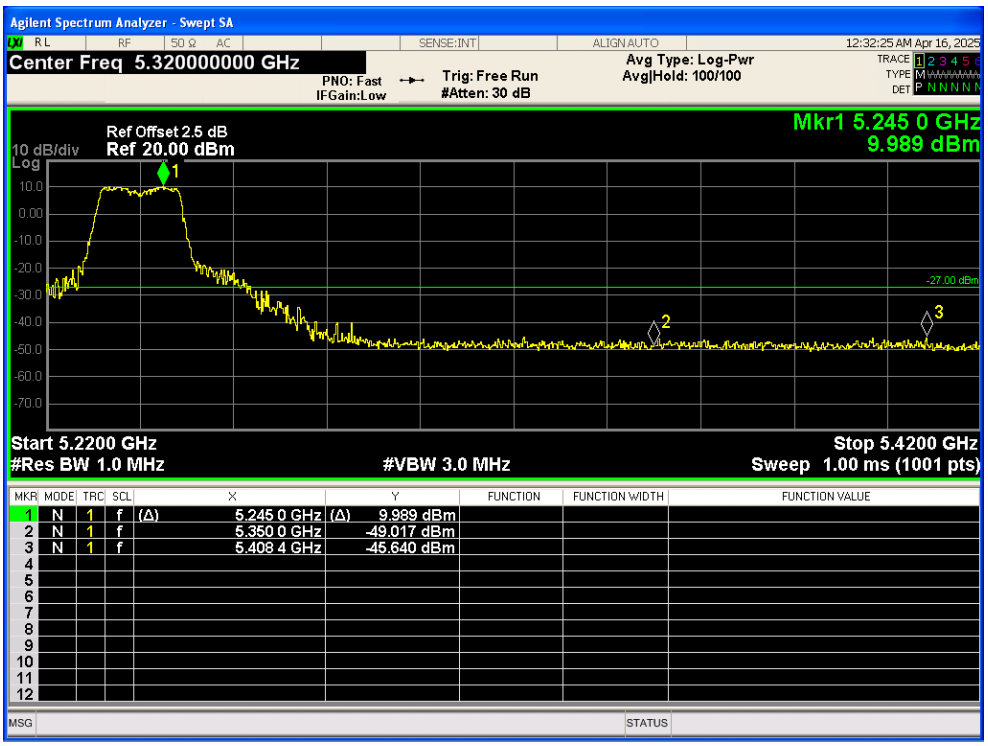
Band Edge NVNT a 5240MHz High Ant2



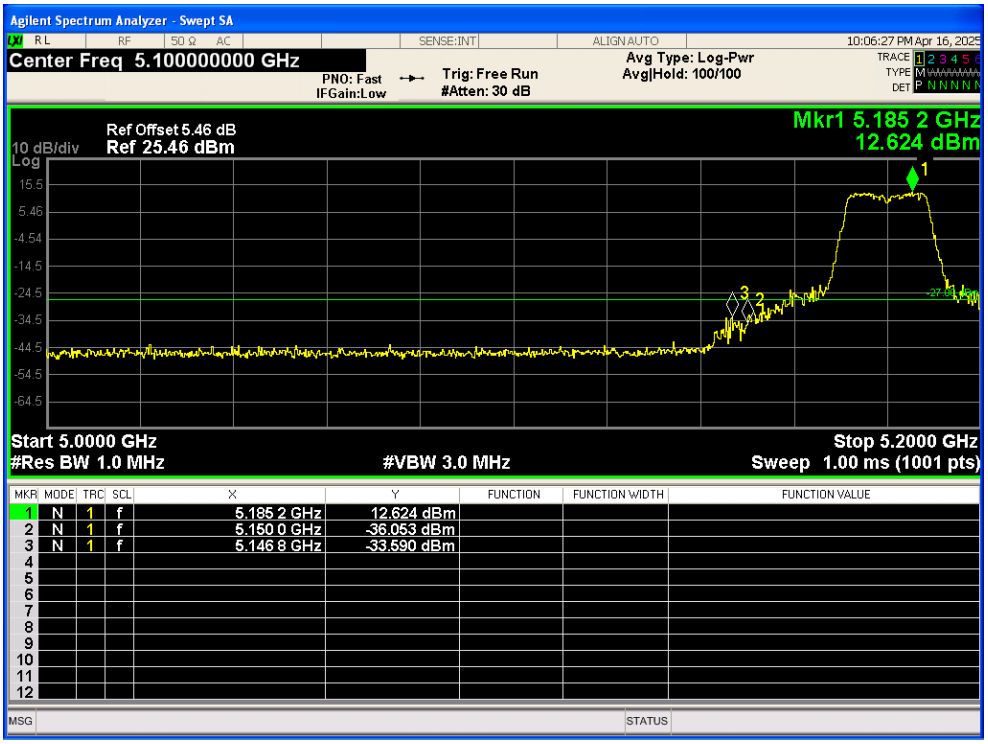
Band Edge NVNT ac20 5180MHz Low Ant1



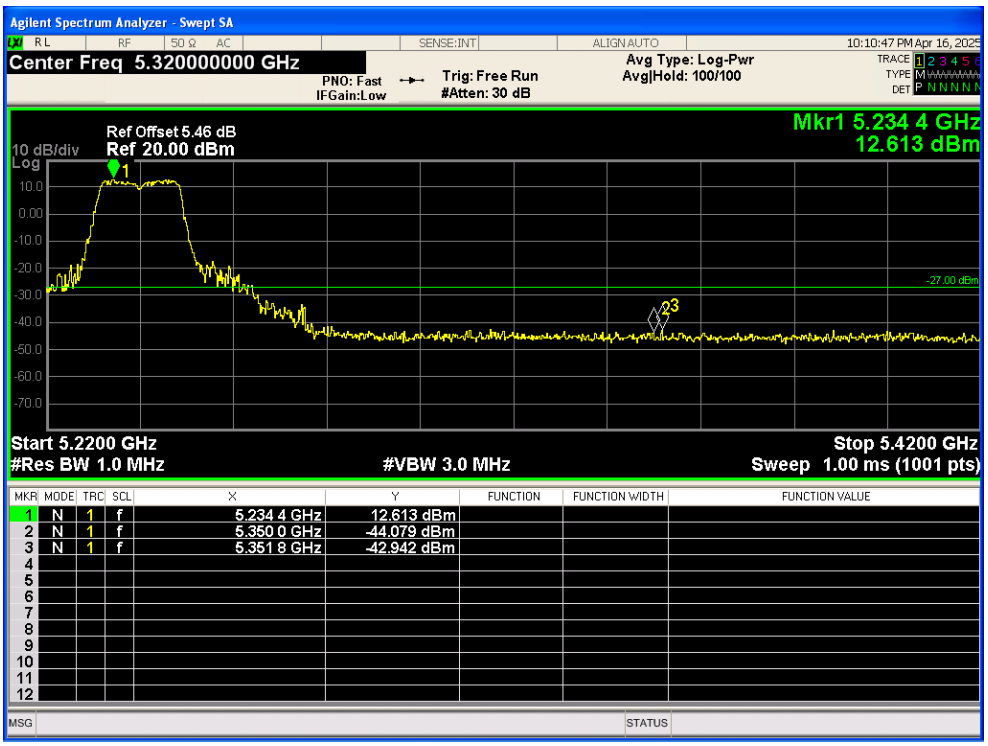
Band Edge NVNT ac20 5240MHz High Ant1



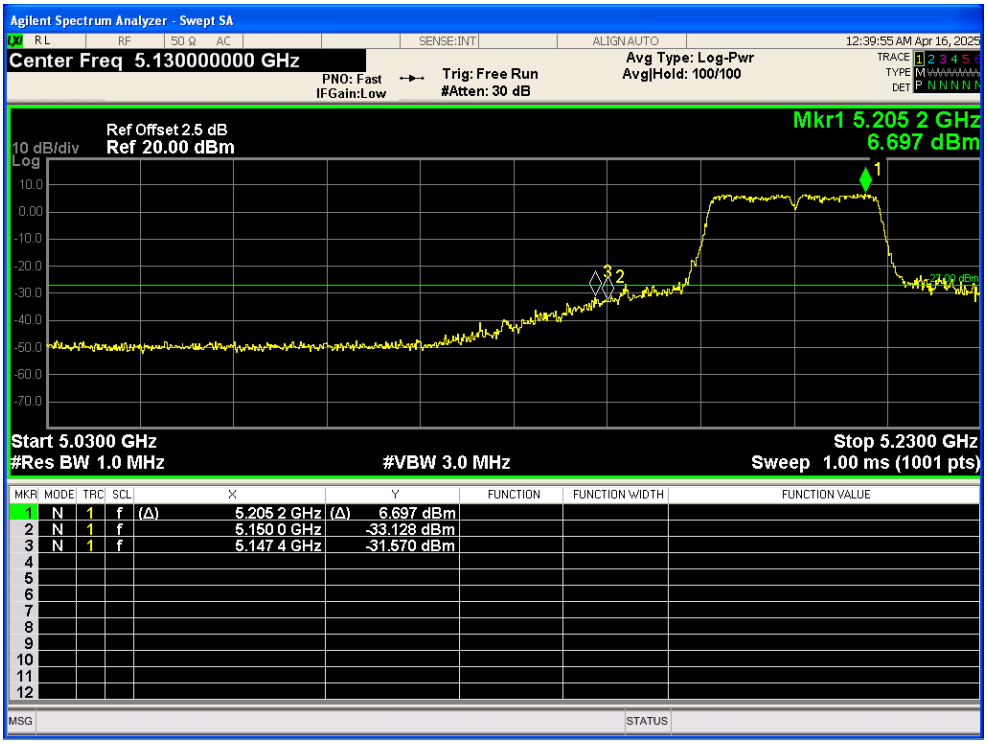
Band Edge NVNT ac20 5180MHz Low Ant2



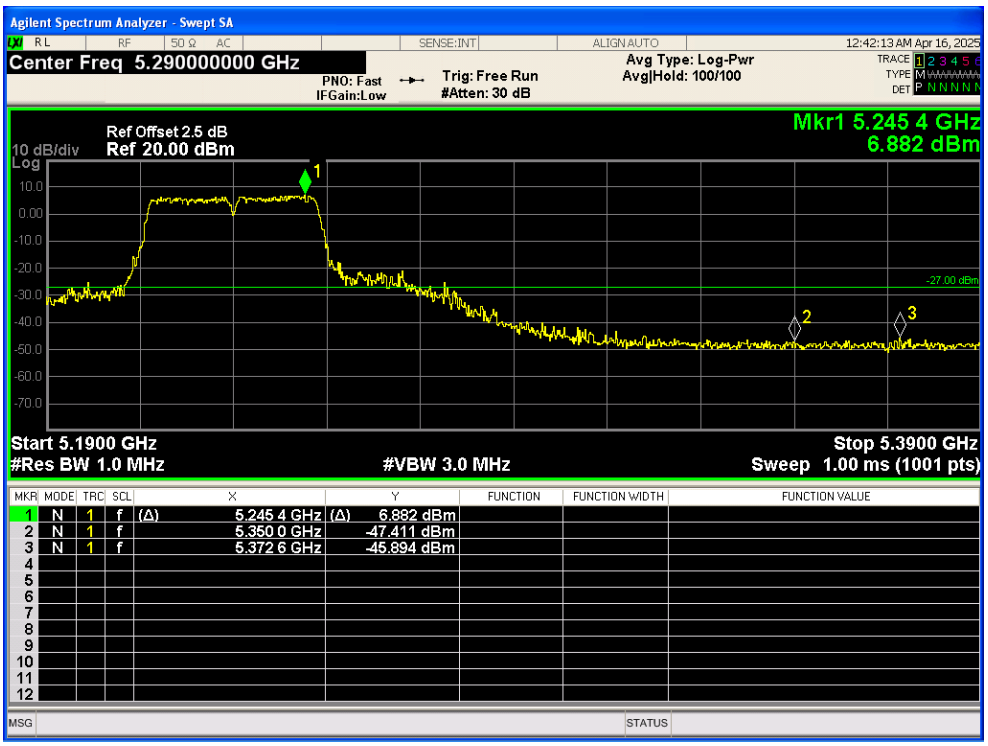
Band Edge NVNT ac20 5240MHz High Ant2



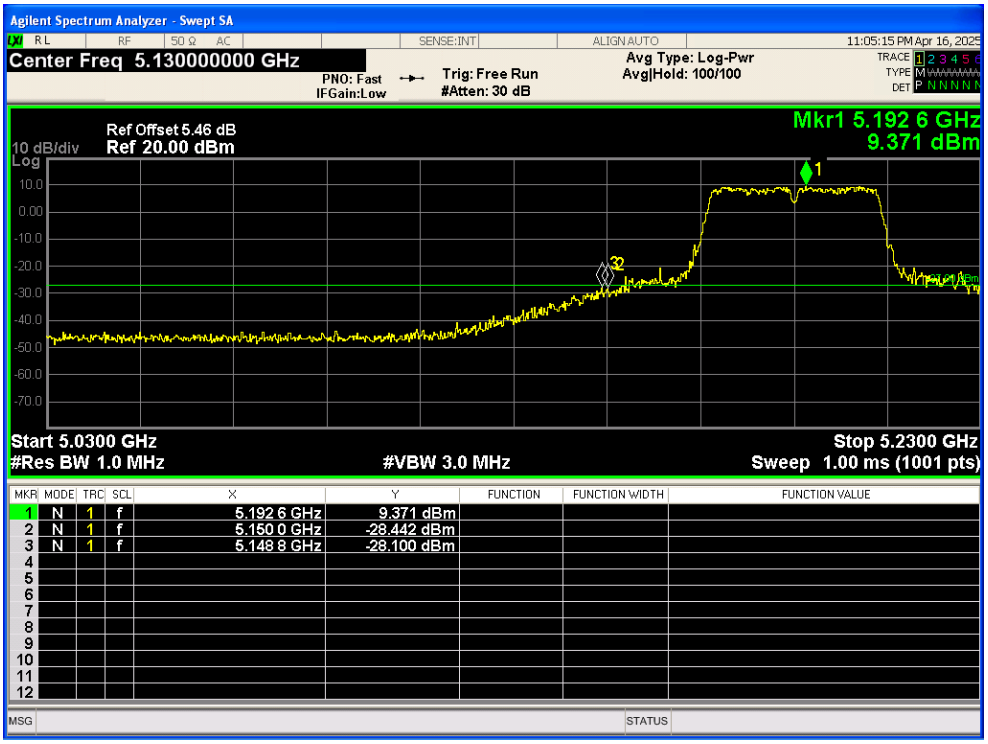
Band Edge NVNT ac40 5190MHz Low Ant1



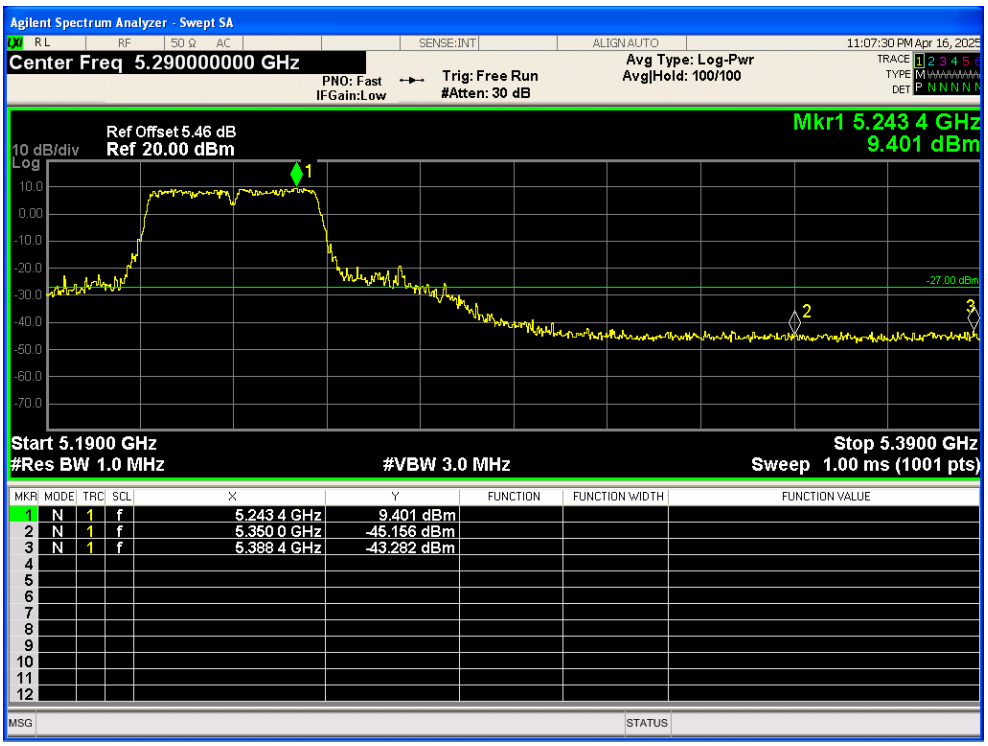
Band Edge NVNT ac40 5230MHz High Ant1



Band Edge NVNT ac40 5190MHz Low Ant2



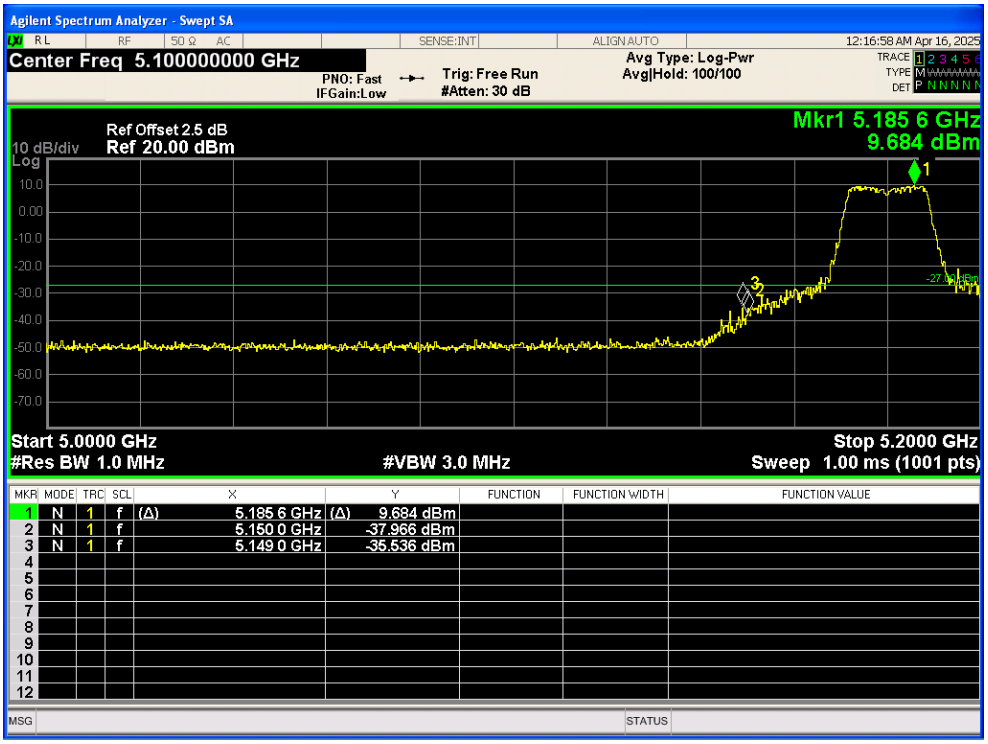
Band Edge NVNT ac40 5230MHz High Ant2



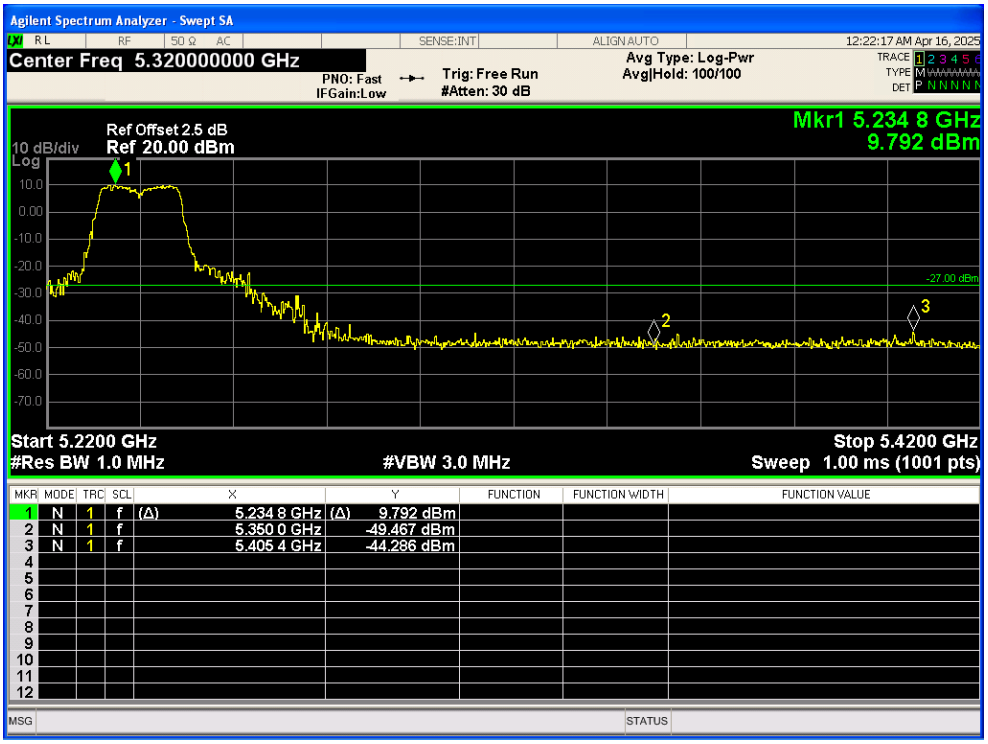
Band Edge NVNT ac80 5210MHz High Ant1

Band Edge NVNT ac80 5210MHz High Ant2

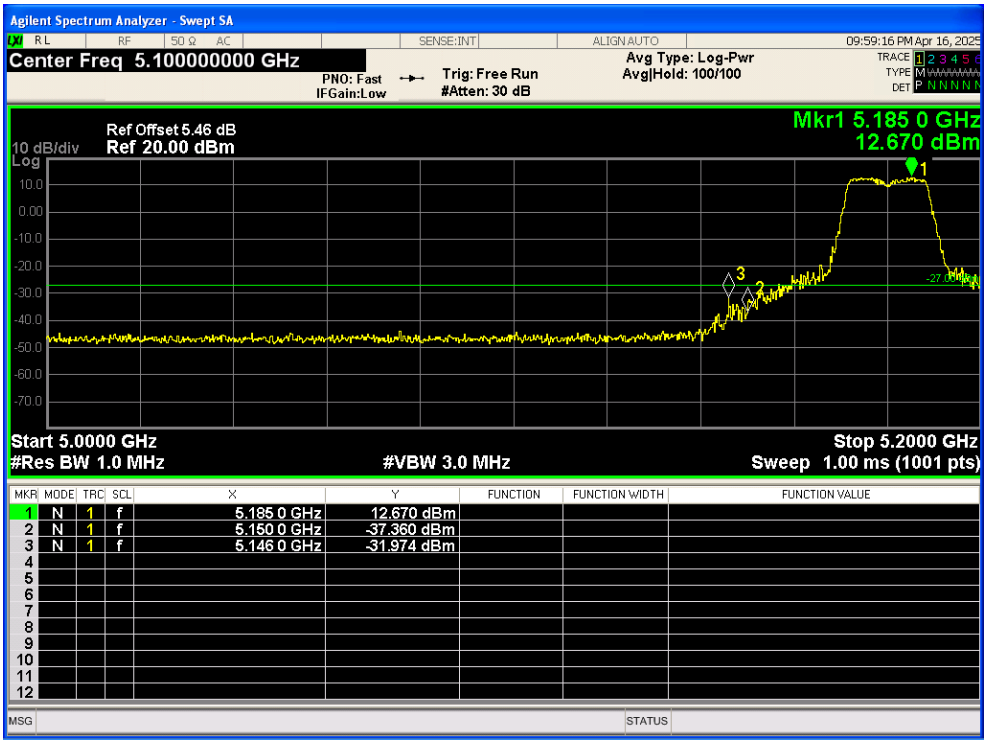
Band Edge NVNT n20 5180MHz Low Ant1



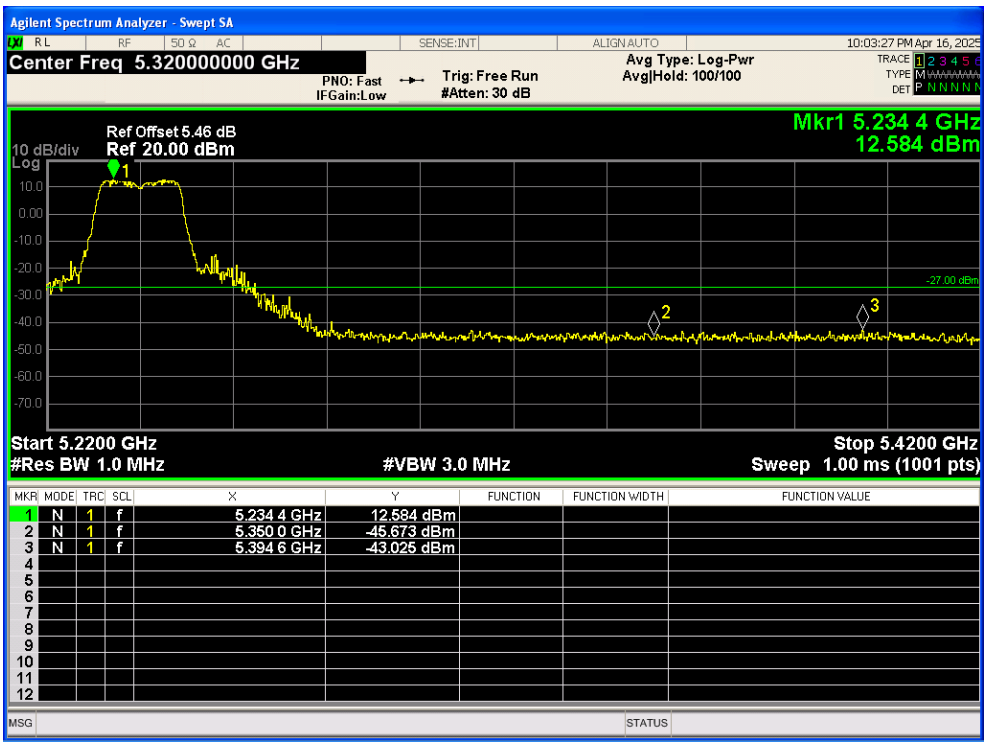
Band Edge NVNT n20 5240MHz High Ant1



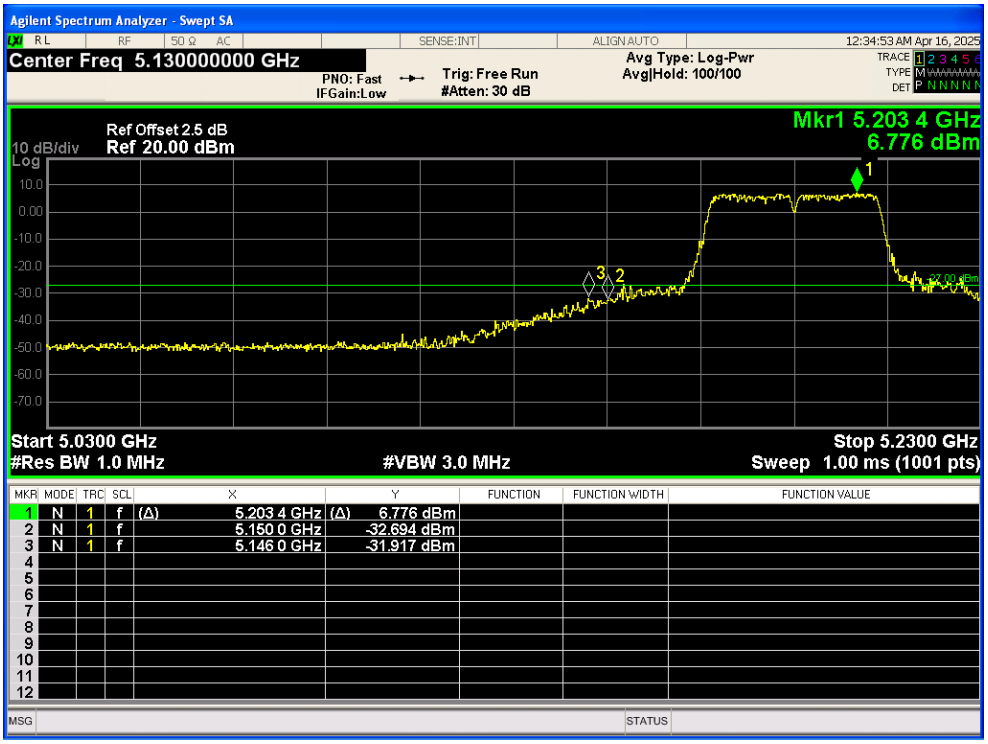
Band Edge NVNT n20 5180MHz Low Ant2



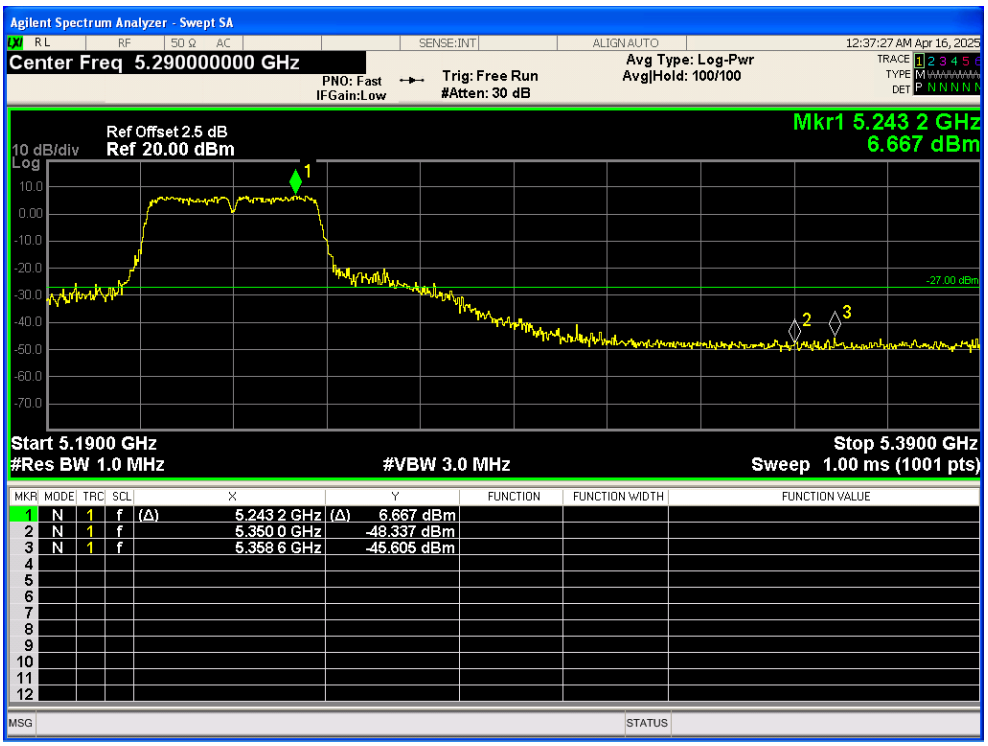
Band Edge NVNT n20 5240MHz High Ant2



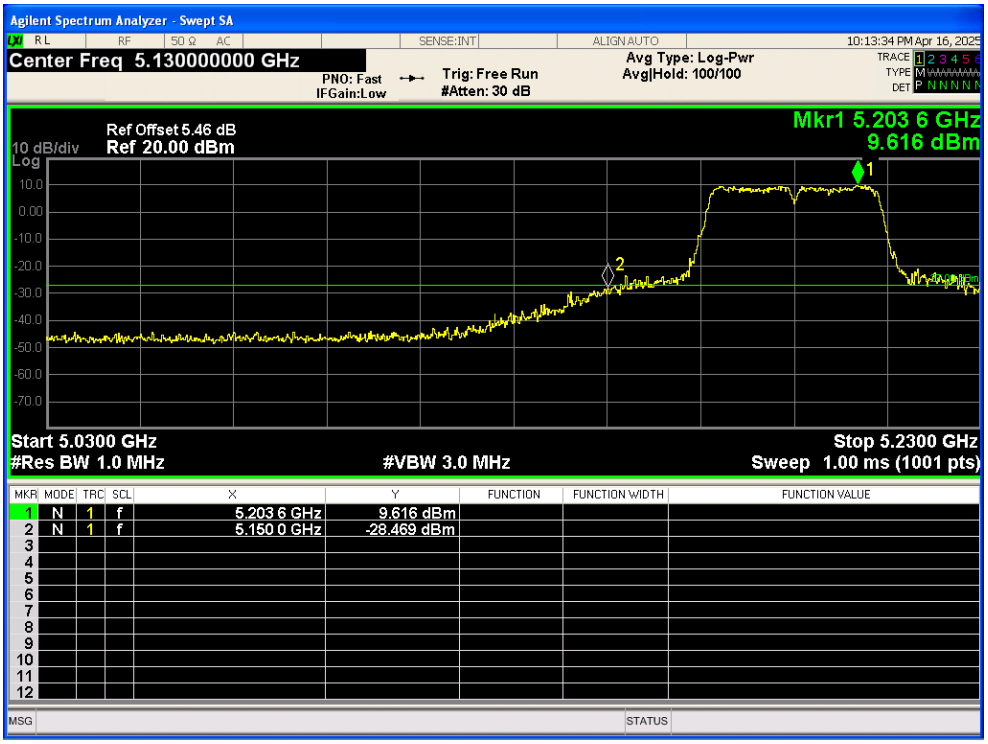
Band Edge NVNT n40 5190MHz Low Ant1



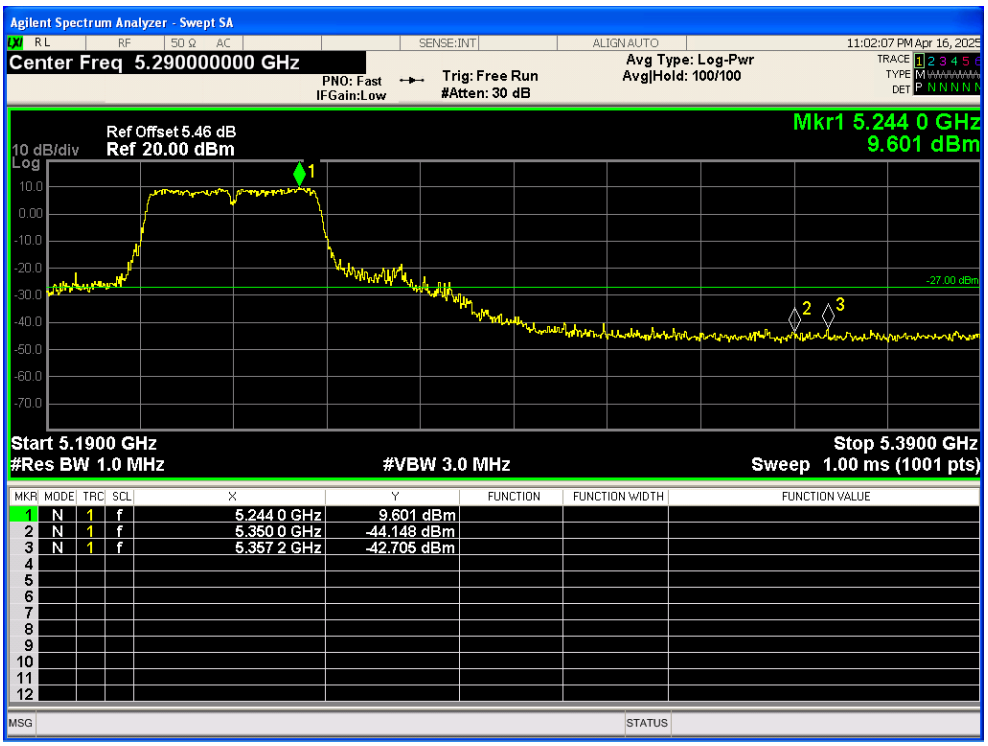
Band Edge NVNT n40 5230MHz High Ant1



Band Edge NVNT n40 5190MHz Low Ant2



Band Edge NVNT n40 5230MHz High Ant2

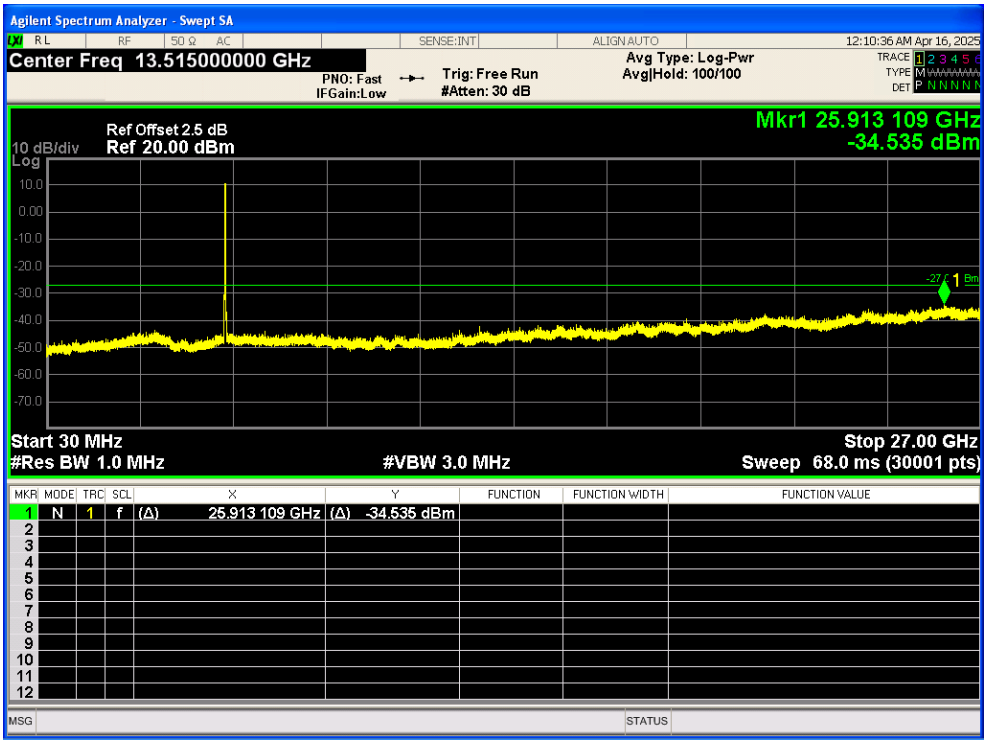


Conducted RF Spurious Emission

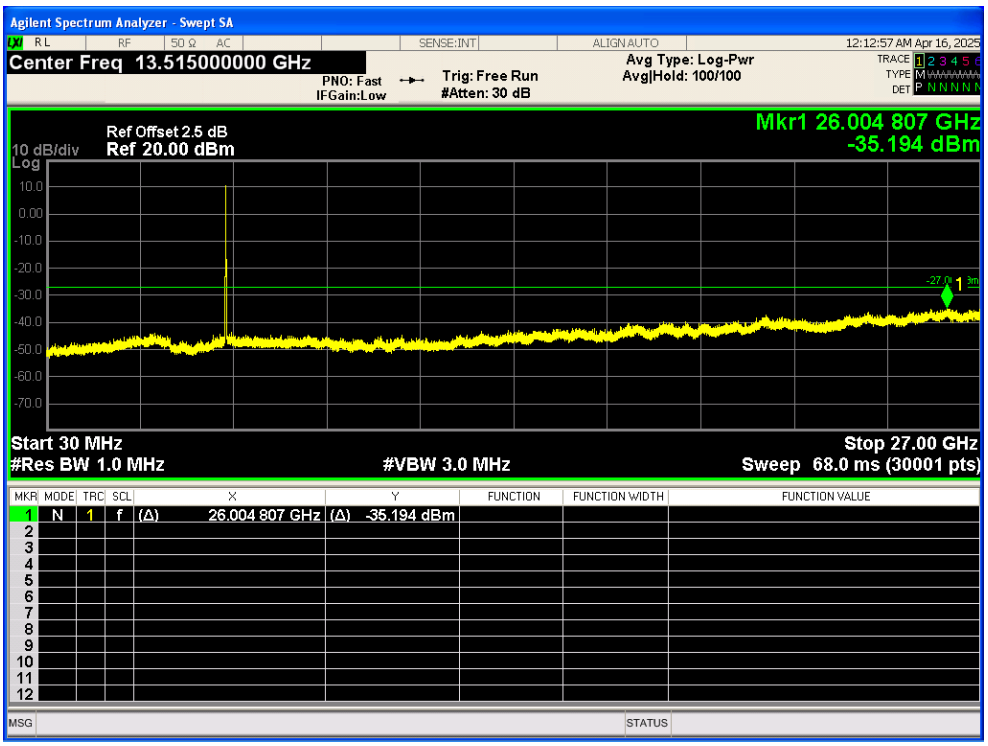
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-34.53	-27	Pass
NVNT	a	5200	Ant1	-35.19	-27	Pass
NVNT	a	5240	Ant1	-34.51	-27	Pass

NVNT	a	5180	Ant2	-31.4	-27	Pass
NVNT	a	5200	Ant2	-31.46	-27	Pass
NVNT	a	5240	Ant2	-31.29	-27	Pass
NVNT	ac20	5180	Ant1	-34.2	-27	Pass
NVNT	ac20	5200	Ant1	-34.8	-27	Pass
NVNT	ac20	5240	Ant1	-34.19	-27	Pass
NVNT	ac20	5180	Ant2	-30.12	-27	Pass
NVNT	ac20	5200	Ant2	-30.46	-27	Pass
NVNT	ac20	5240	Ant2	-30.54	-27	Pass
NVNT	ac40	5190	Ant1	-34.82	-27	Pass
NVNT	ac40	5230	Ant1	-34.71	-27	Pass
NVNT	ac40	5190	Ant2	-31.5	-27	Pass
NVNT	ac40	5230	Ant2	-30.87	-27	Pass
NVNT	ac80	5210	Ant1	-44.77	-27	Pass
NVNT	ac80	5210	Ant2	-41.9	-27	Pass
NVNT	n20	5180	Ant1	-34.4	-27	Pass
NVNT	n20	5200	Ant1	-34.77	-27	Pass
NVNT	n20	5240	Ant1	-34.5	-27	Pass
NVNT	n20	5180	Ant2	-31.34	-27	Pass
NVNT	n20	5200	Ant2	-31.41	-27	Pass
NVNT	n20	5240	Ant2	-31.87	-27	Pass
NVNT	n40	5190	Ant1	-33.97	-27	Pass
NVNT	n40	5230	Ant1	-34.66	-27	Pass
NVNT	n40	5190	Ant2	-30.76	-27	Pass
NVNT	n40	5230	Ant2	-30.62	-27	Pass

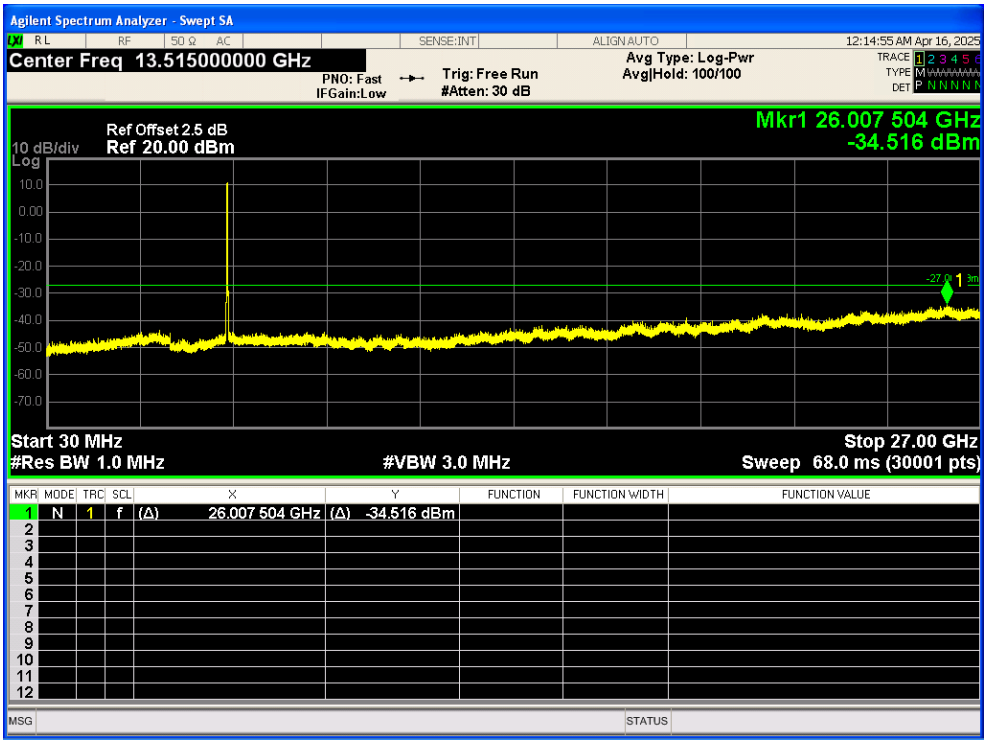
Tx. Spurious NVNT a 5180MHz Ant1 Emission



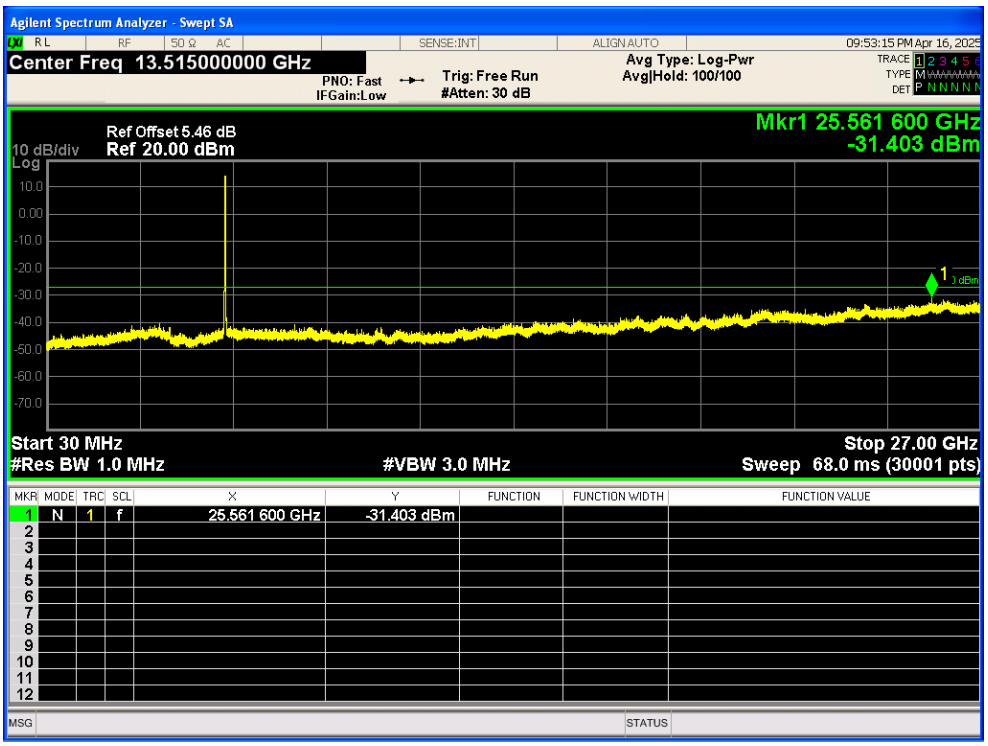
Tx. Spurious NVNT a 5200MHz Ant1 Emission



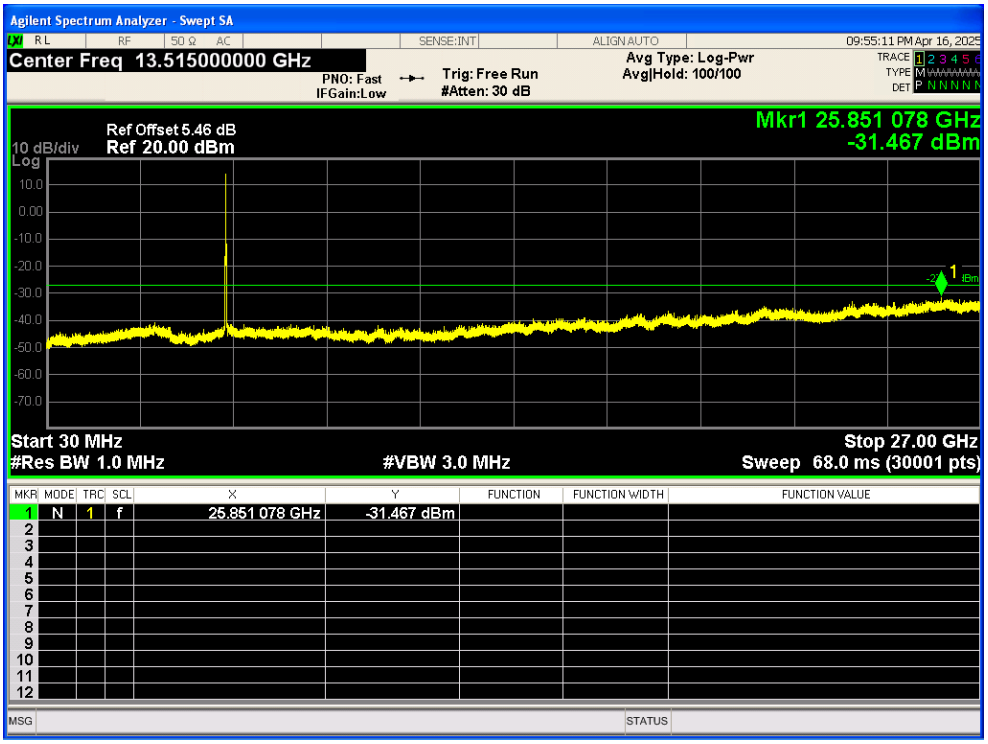
Tx. Spurious NVNT a 5240MHz Ant1 Emission



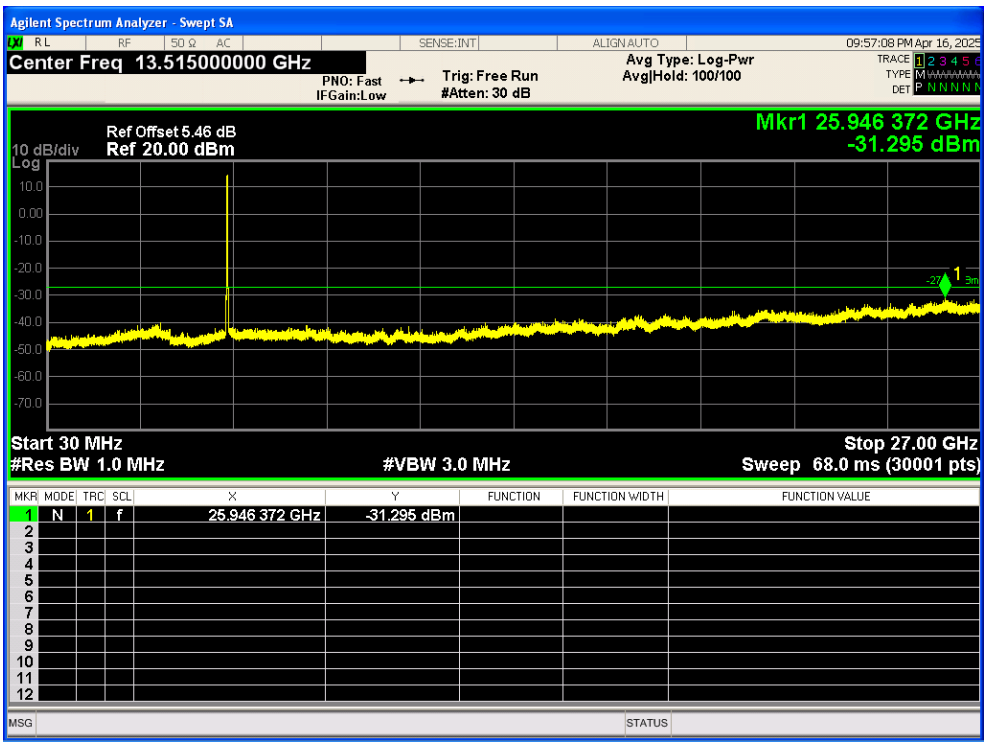
Tx. Spurious NVNT a 5180MHz Ant2 Emission



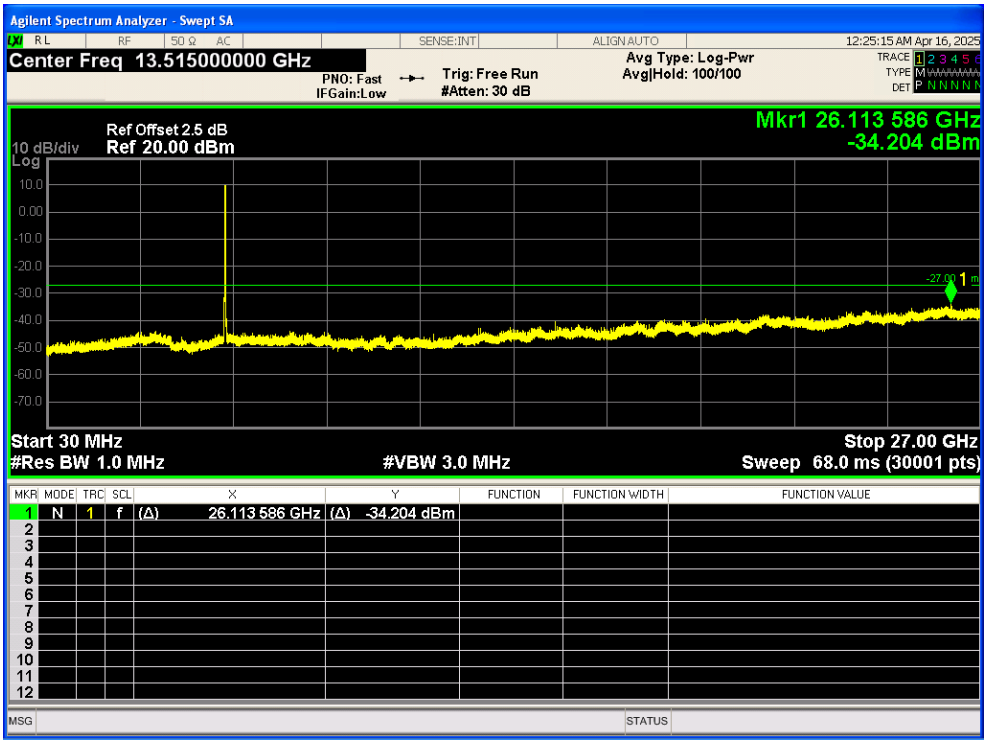
Tx. Spurious NVNT a 5200MHz Ant2 Emission



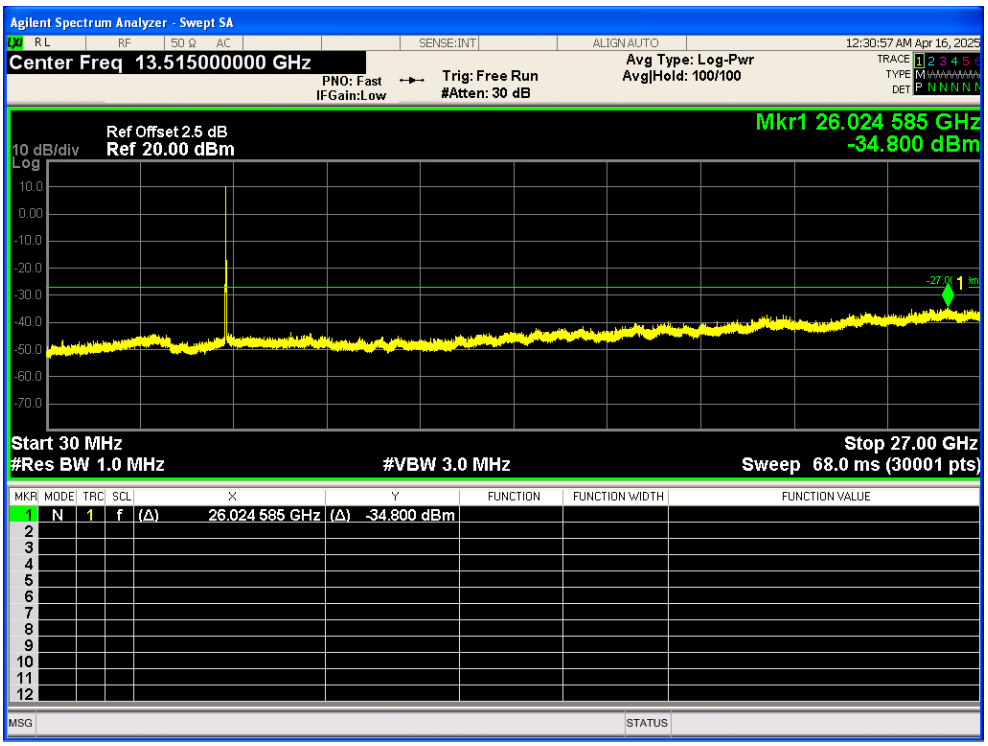
Tx. Spurious NVNT a 5240MHz Ant2 Emission



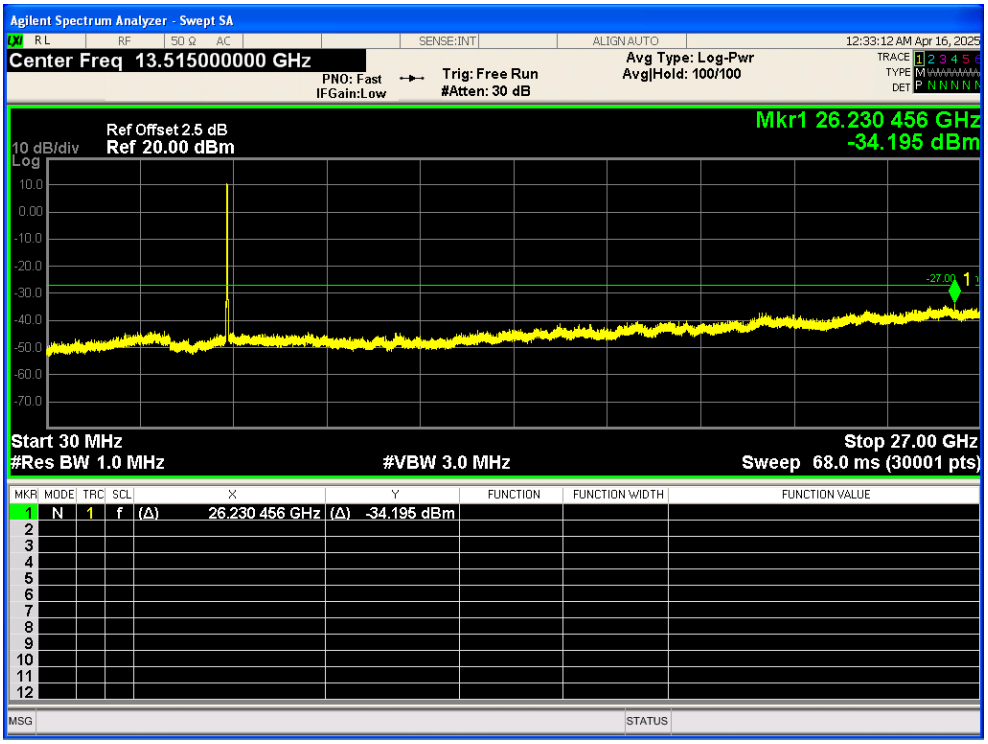
Tx. Spurious NVNT ac20 5180MHz Ant1 Emission



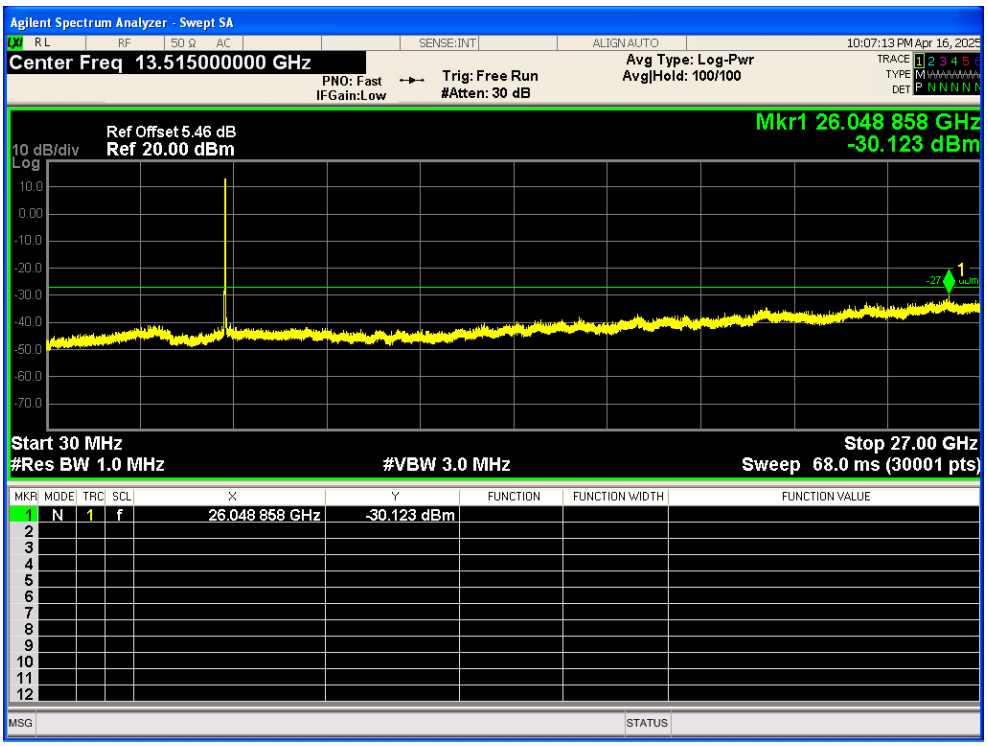
Tx. Spurious NVNT ac20 5200MHz Ant1 Emission



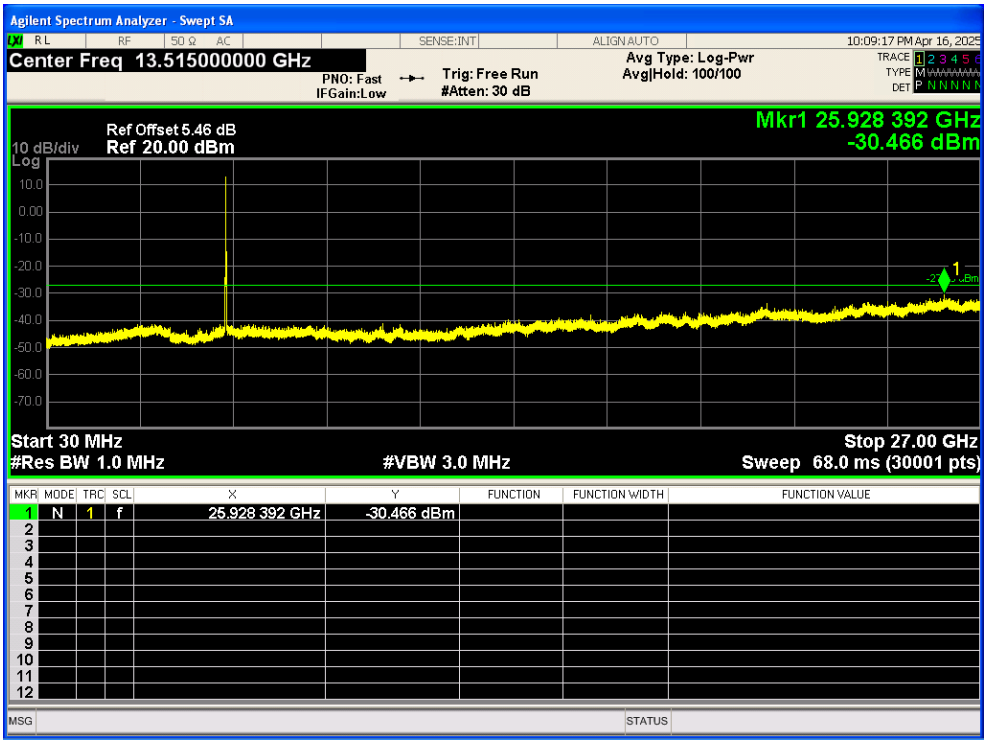
Tx. Spurious NVNT ac20 5240MHz Ant1 Emission



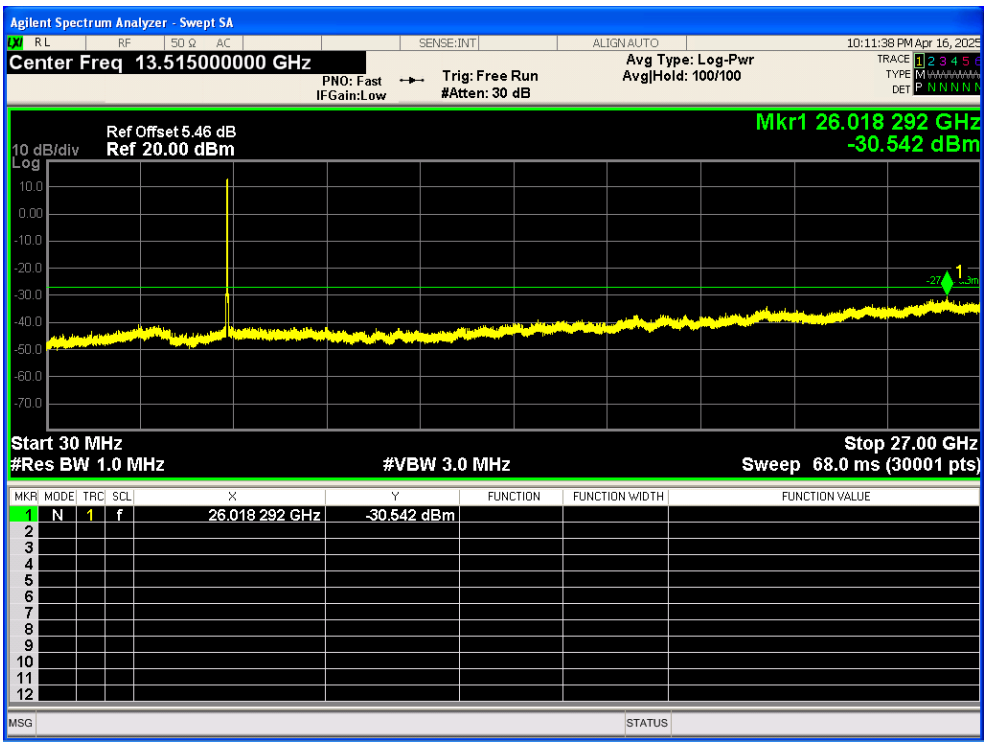
Tx. Spurious NVNT ac20 5180MHz Ant2 Emission



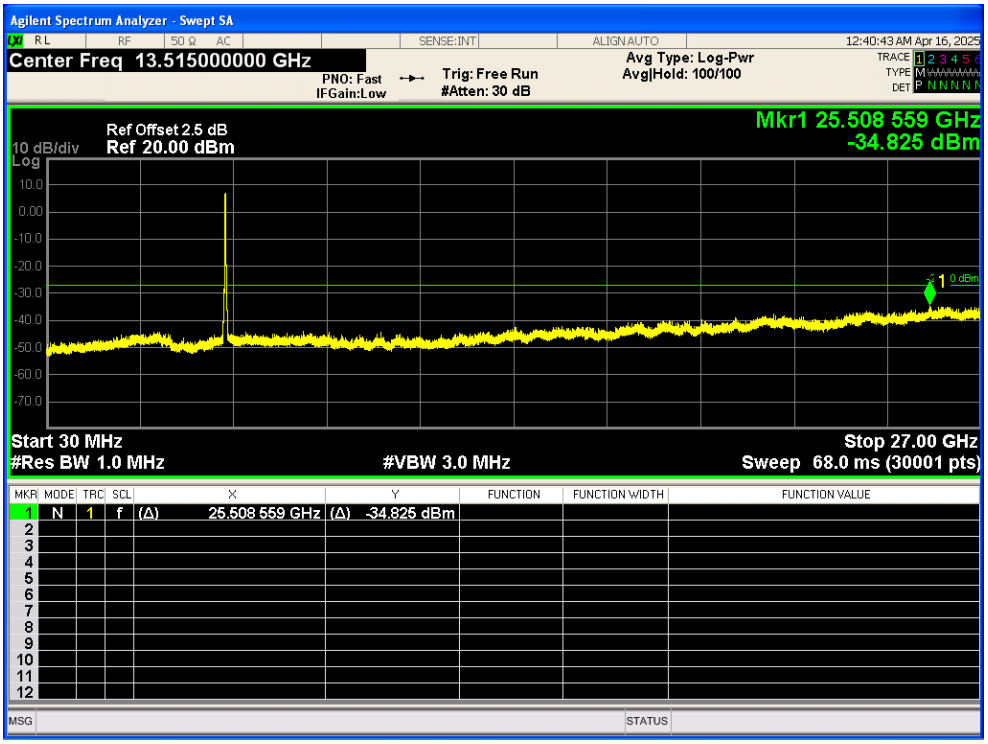
Tx. Spurious NVNT ac20 5200MHz Ant2 Emission



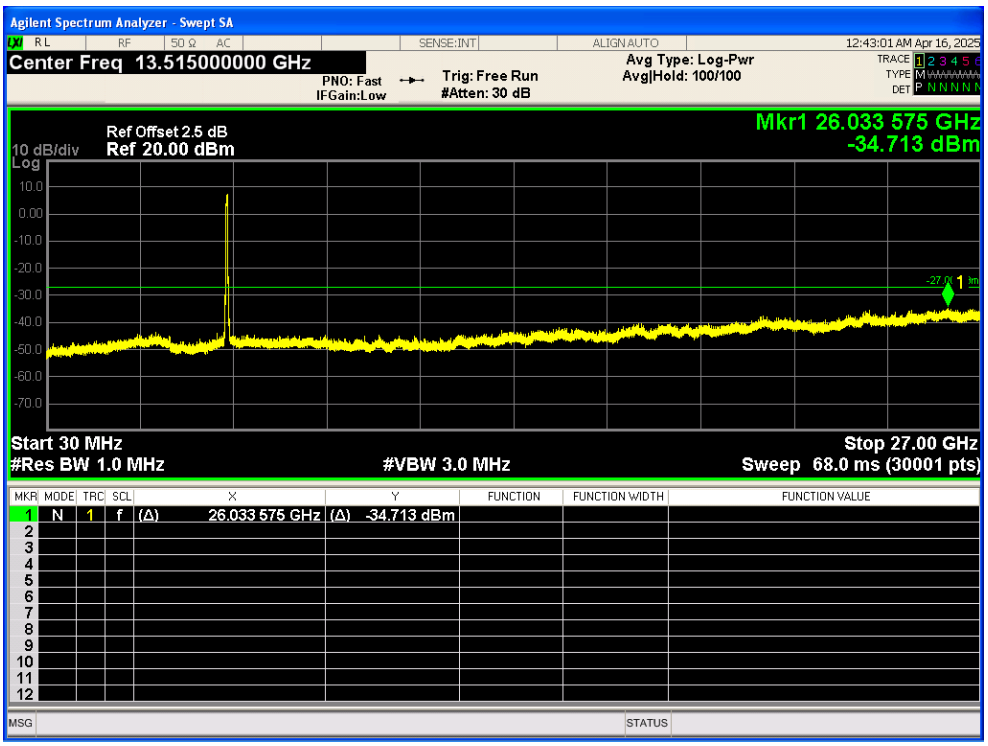
Tx. Spurious NVNT ac20 5240MHz Ant2 Emission



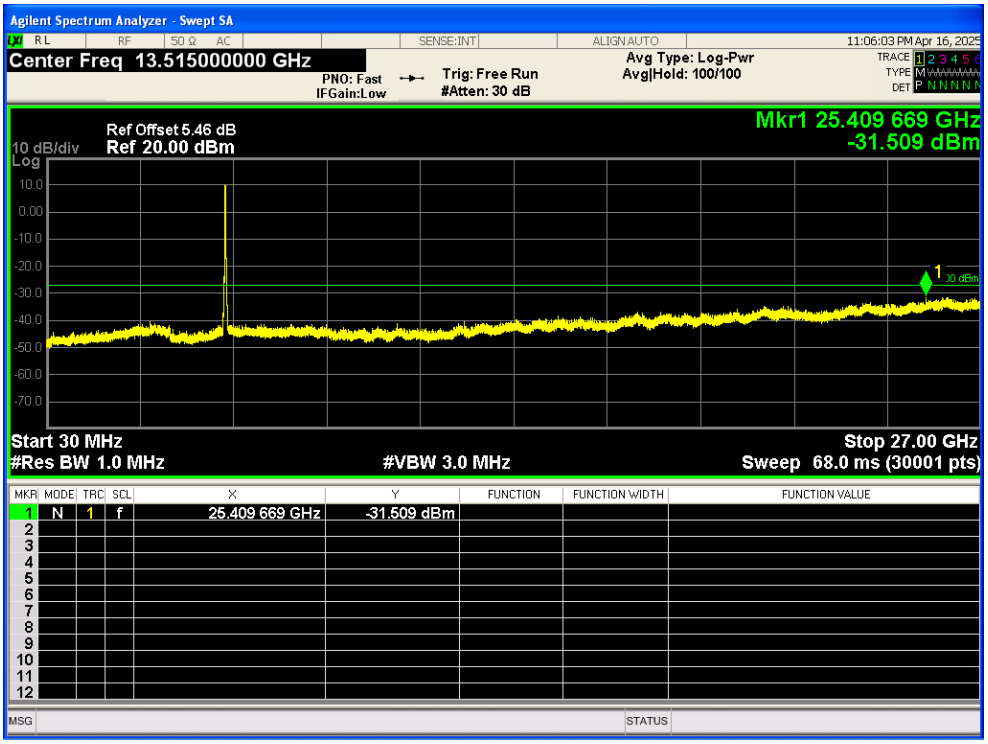
Tx. Spurious NVNT ac40 5190MHz Ant1 Emission



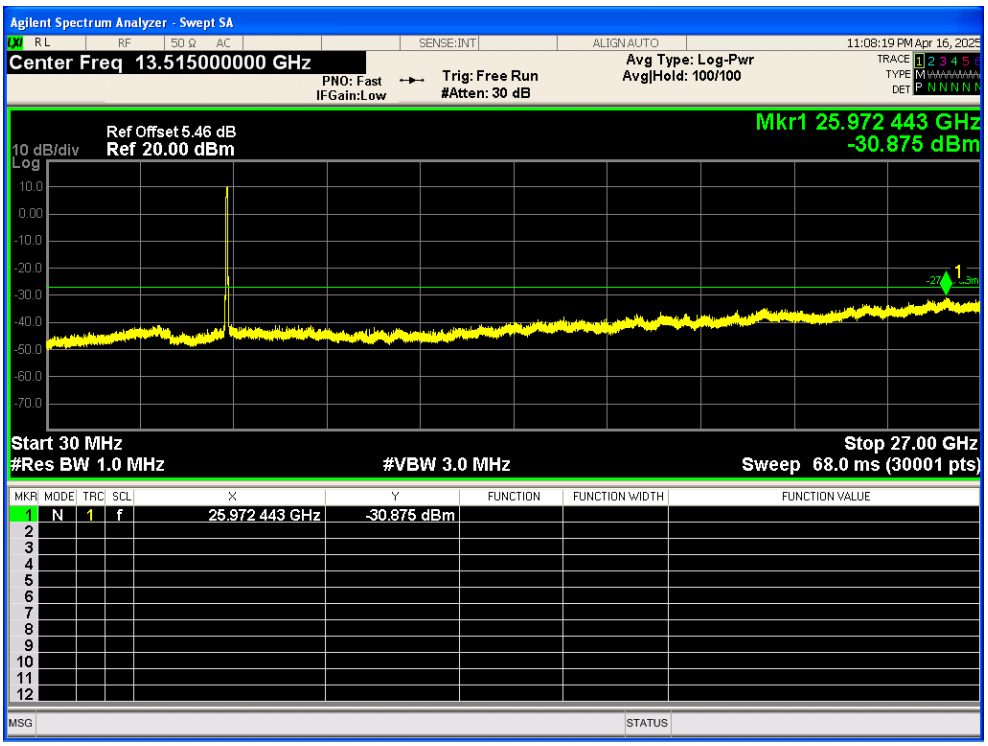
Tx. Spurious NVNT ac40 5230MHz Ant1 Emission



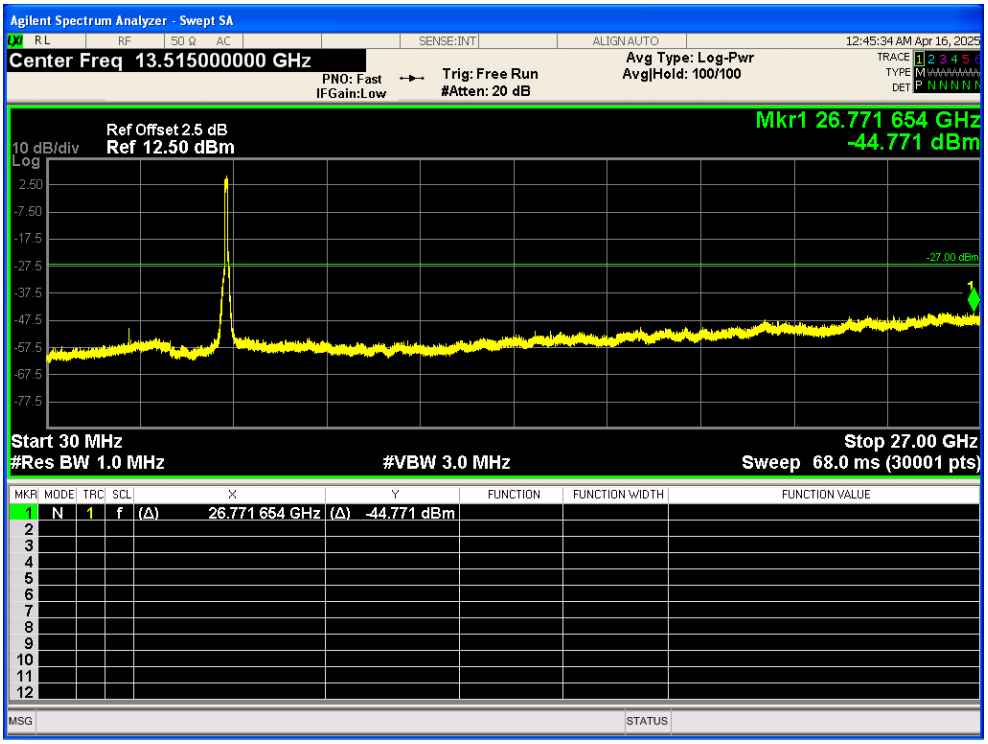
Tx. Spurious NVNT ac40 5190MHz Ant2 Emission



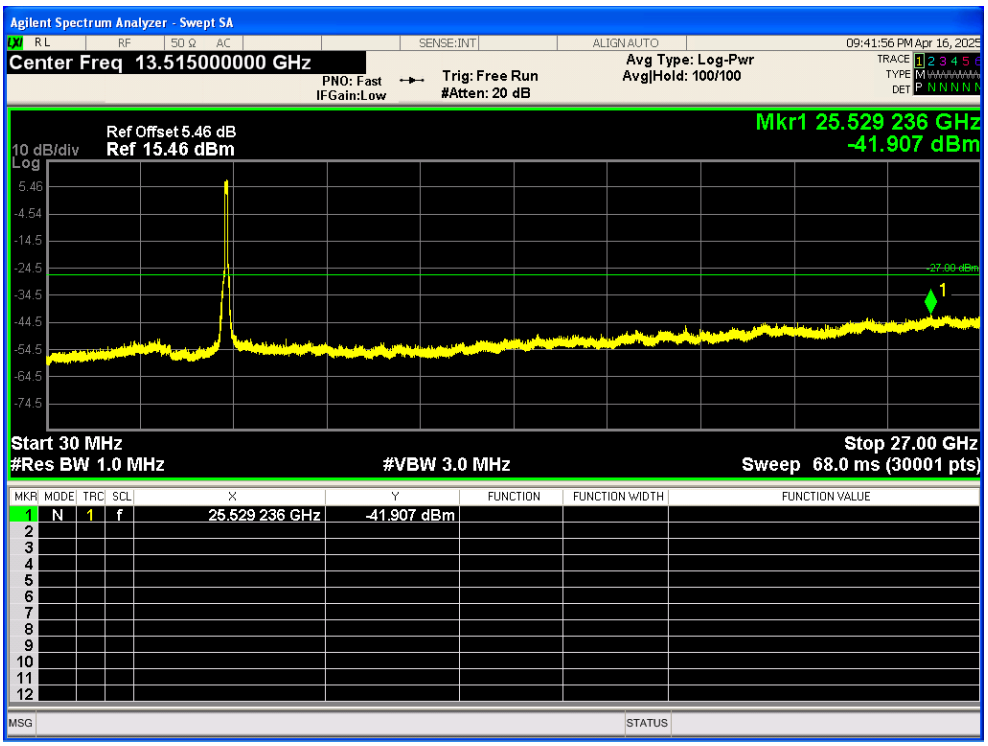
Tx. Spurious NVNT ac40 5230MHz Ant2 Emission



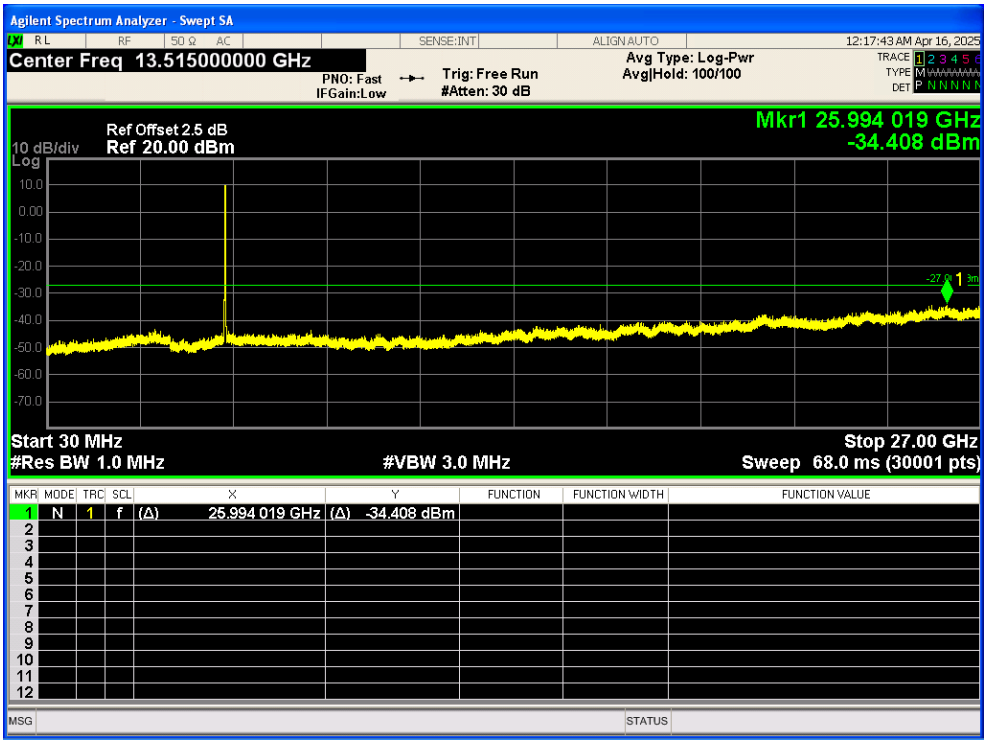
Tx. Spurious NVNT ac80 5210MHz Ant1 Emission



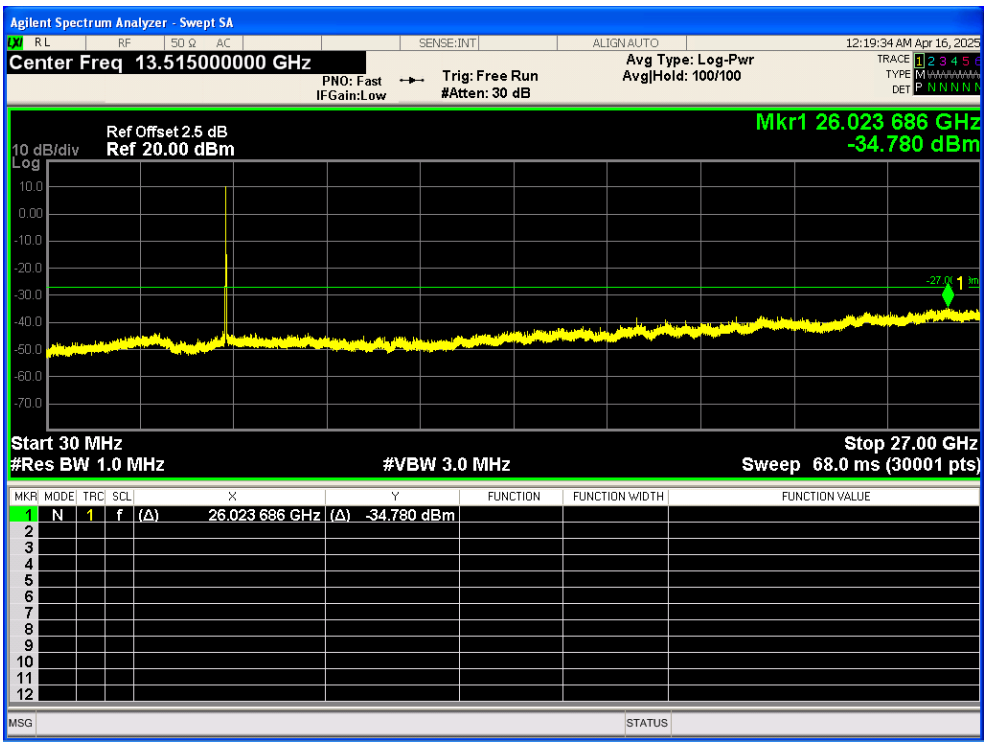
Tx. Spurious NVNT ac80 5210MHz Ant2 Emission



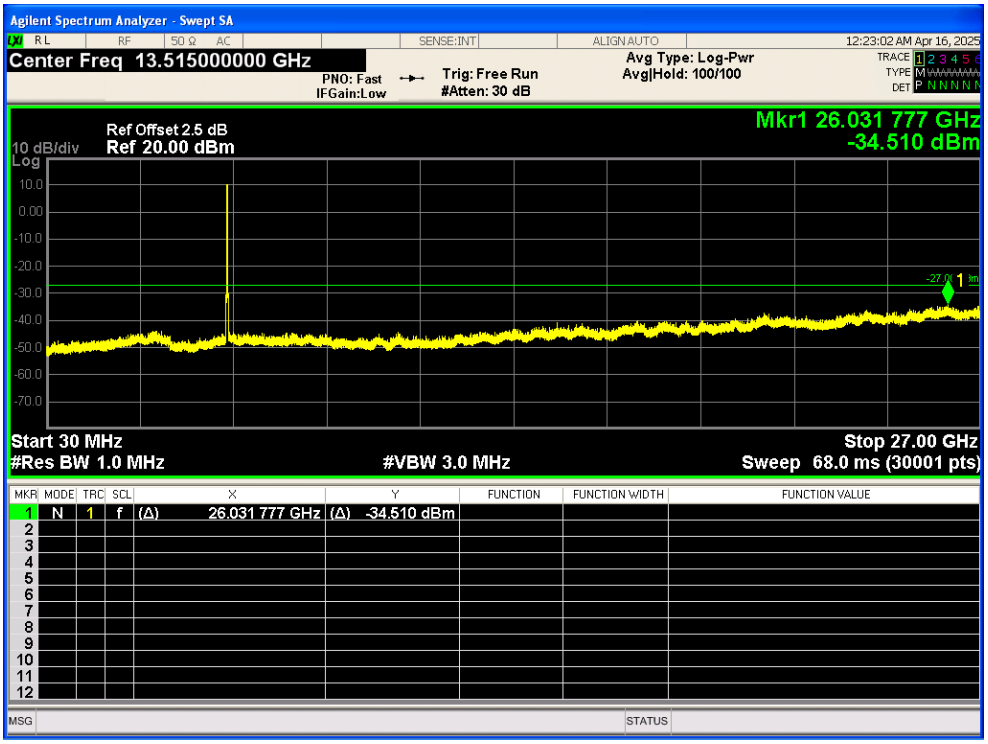
Tx. Spurious NVNT n20 5180MHz Ant1 Emission



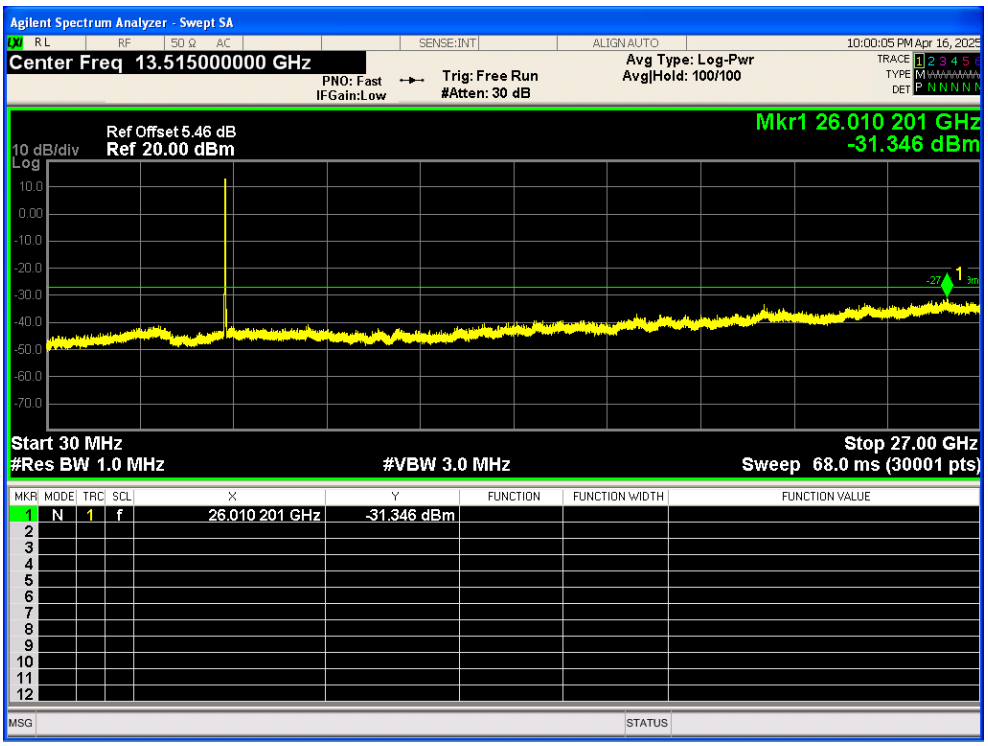
Tx. Spurious NVNT n20 5200MHz Ant1 Emission



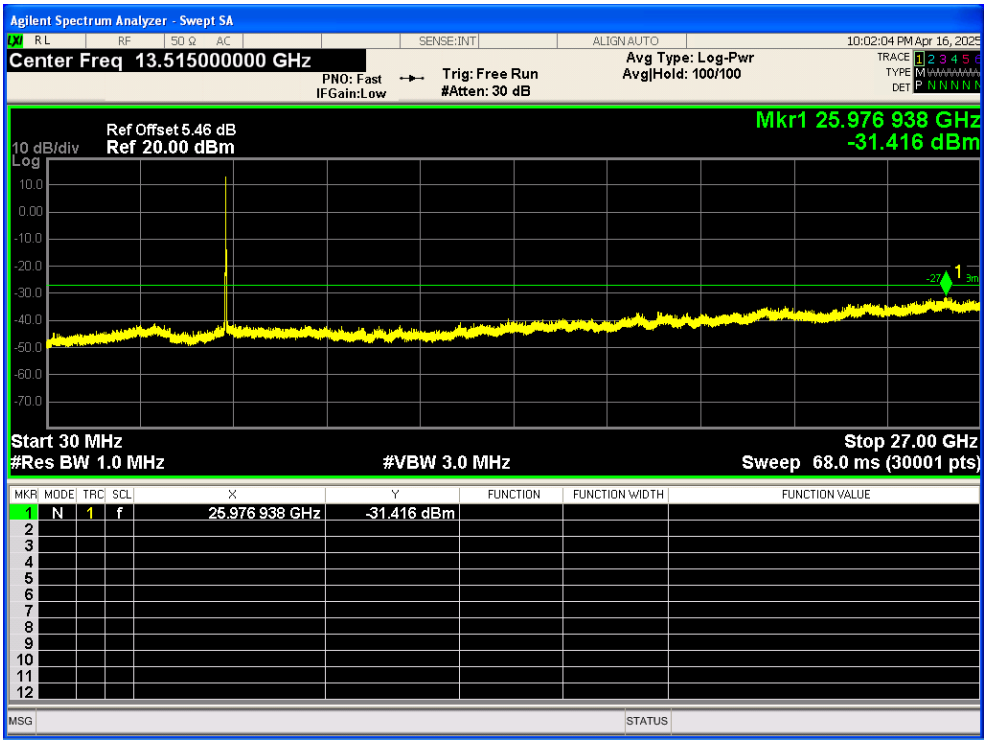
Tx. Spurious NVNT n20 5240MHz Ant1 Emission



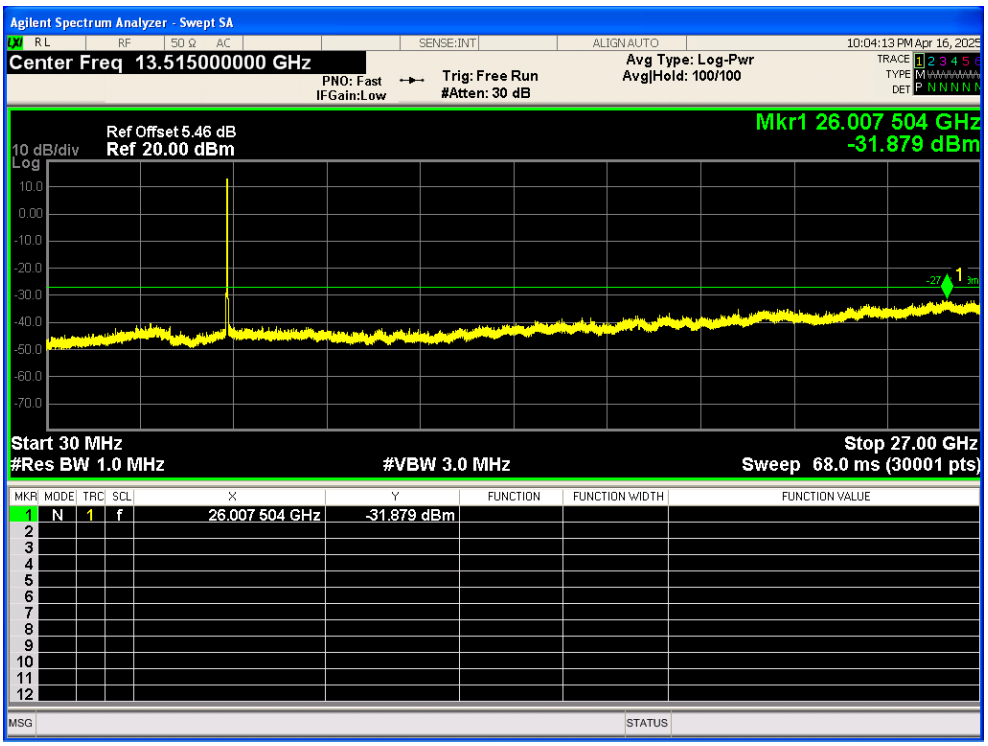
Tx. Spurious NVNT n20 5180MHz Ant2 Emission



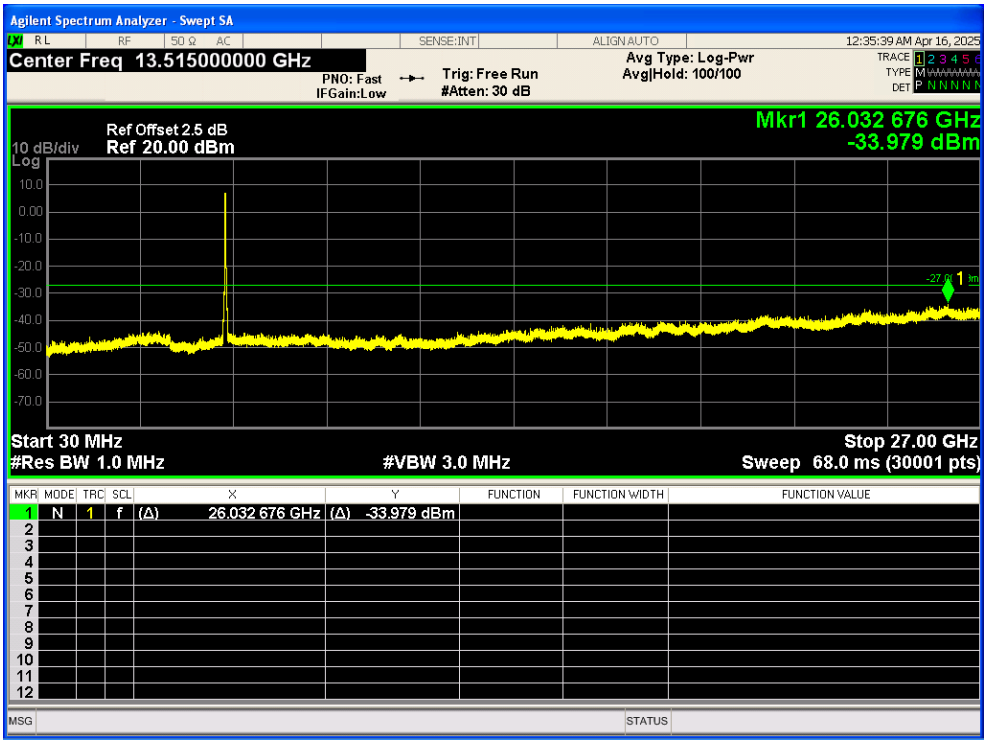
Tx. Spurious NVNT n20 5200MHz Ant2 Emission



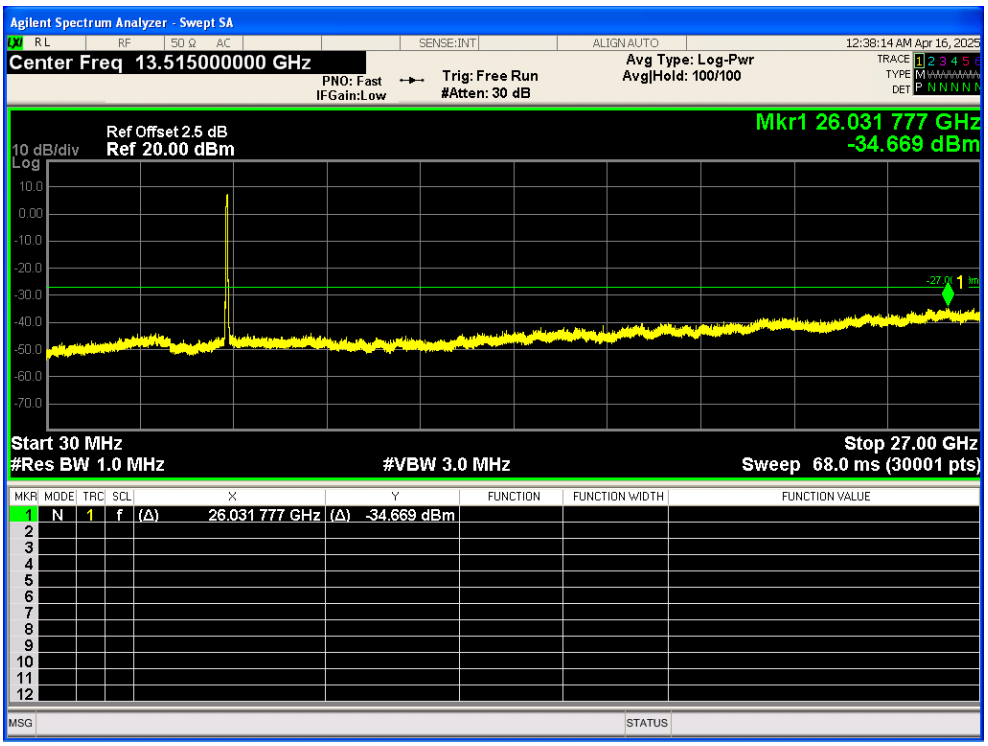
Tx. Spurious NVNT n20 5240MHz Ant2 Emission



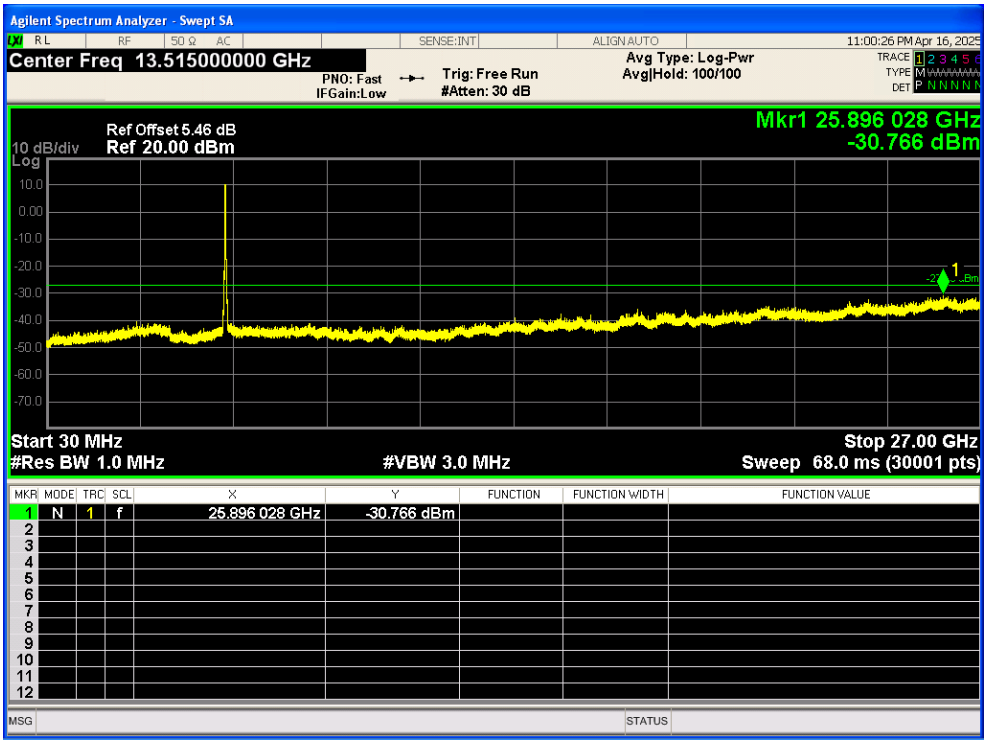
Tx. Spurious NVNT n40 5190MHz Ant1 Emission



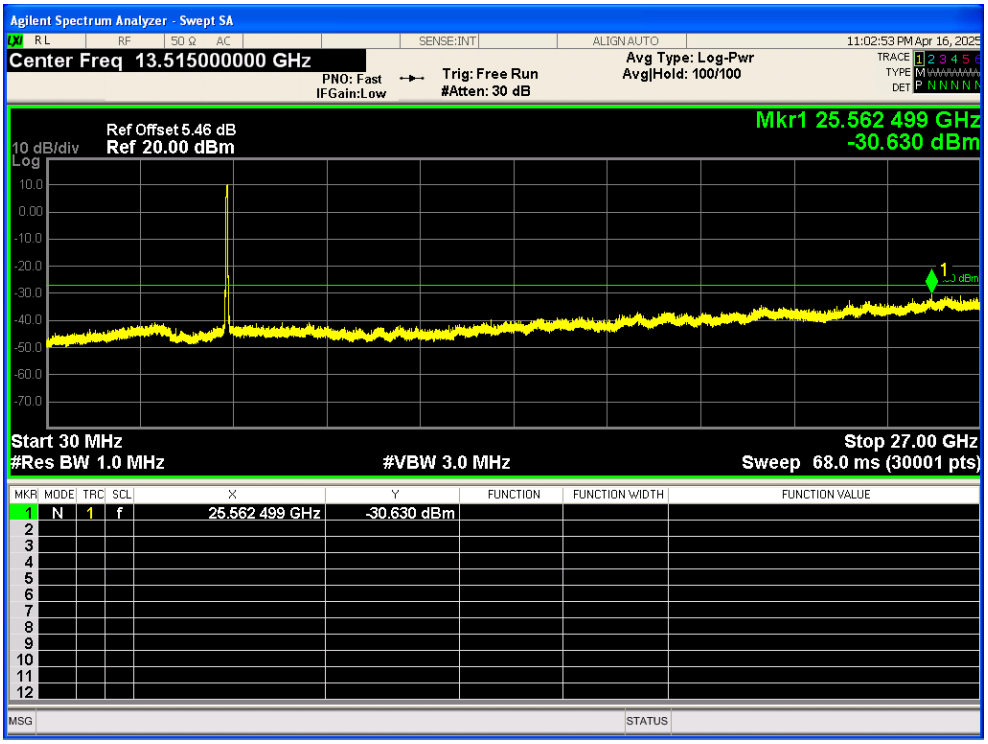
Tx. Spurious NVNT n40 5230MHz Ant1 Emission



Tx. Spurious NVNT n40 5190MHz Ant2 Emission



Tx. Spurious NVNT n40 5230MHz Ant2 Emission

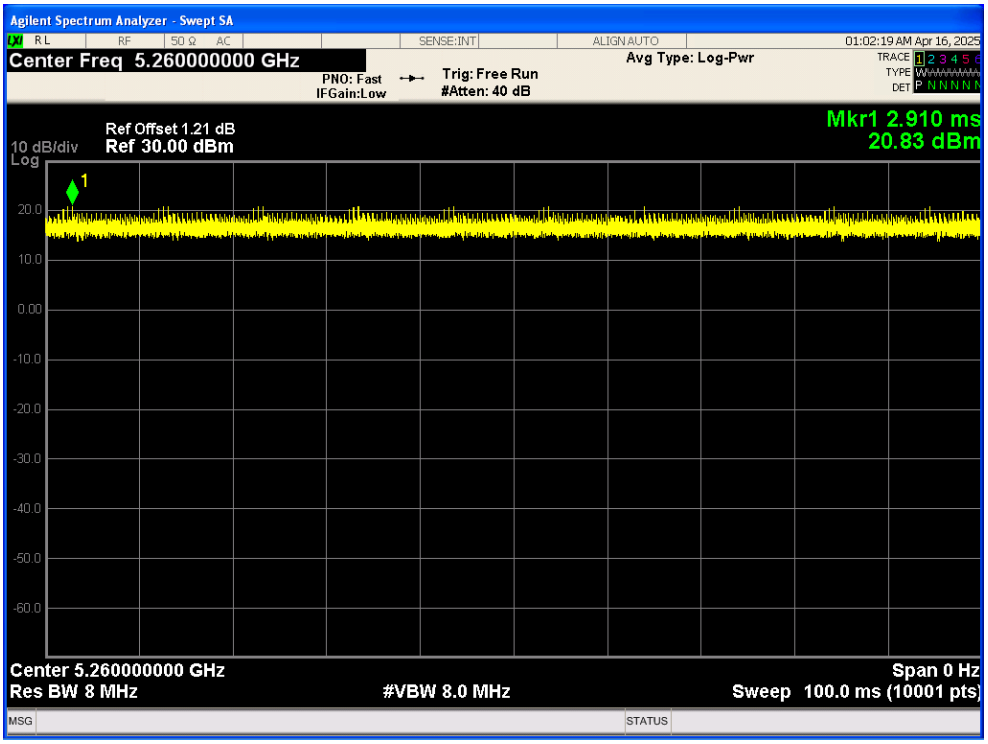


5.3G WIFI

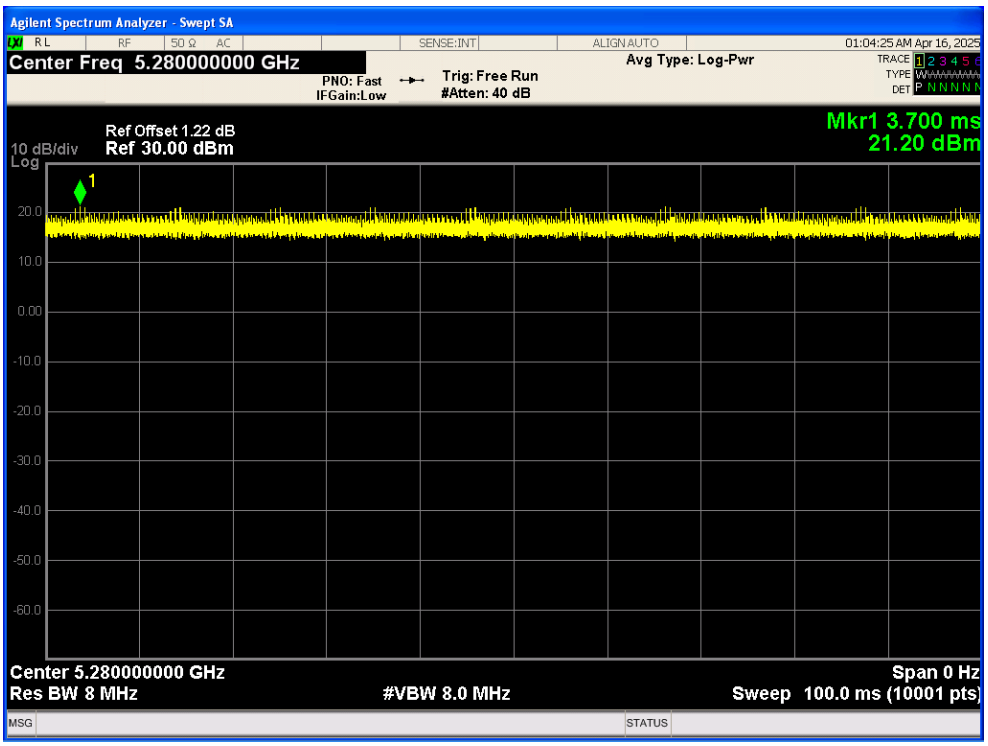
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5260	Ant1	100	0
NVNT	a	5280	Ant1	100	0
NVNT	a	5320	Ant1	100	0
NVNT	a	5260	Ant2	100	0
NVNT	a	5280	Ant2	100	0
NVNT	a	5320	Ant2	100	0
NVNT	ac20	5260	Ant1	100	0
NVNT	ac20	5280	Ant1	100	0
NVNT	ac20	5320	Ant1	100	0
NVNT	ac20	5260	Ant2	100	0
NVNT	ac20	5280	Ant2	100	0
NVNT	ac20	5320	Ant2	100	0
NVNT	ac40	5270	Ant1	100	0
NVNT	ac40	5310	Ant1	100	0
NVNT	ac40	5270	Ant2	100	0
NVNT	ac40	5310	Ant2	100	0
NVNT	ac80	5290	Ant1	100	0
NVNT	ac80	5290	Ant2	100	0
NVNT	n20	5260	Ant1	100	0
NVNT	n20	5280	Ant1	100	0
NVNT	n20	5320	Ant1	100	0
NVNT	n20	5260	Ant2	100	0
NVNT	n20	5280	Ant2	100	0
NVNT	n20	5320	Ant2	100	0
NVNT	n40	5270	Ant1	100	0
NVNT	n40	5310	Ant1	100	0
NVNT	n40	5270	Ant2	100	0
NVNT	n40	5310	Ant2	100	0

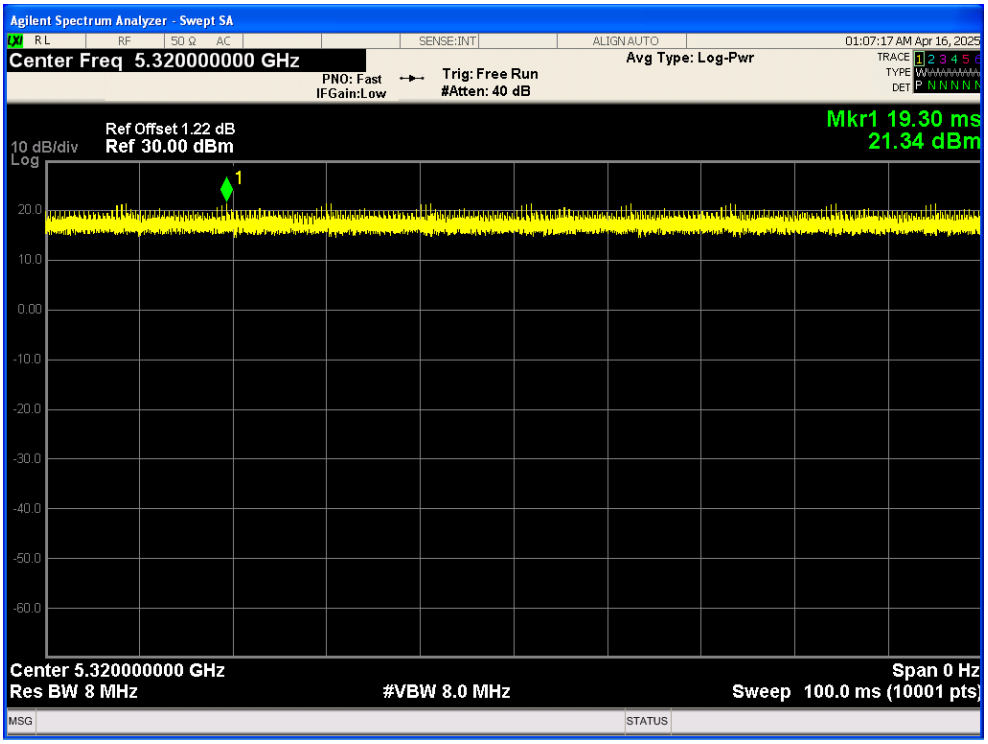
Duty Cycle NVNT a 5260MHz Ant1



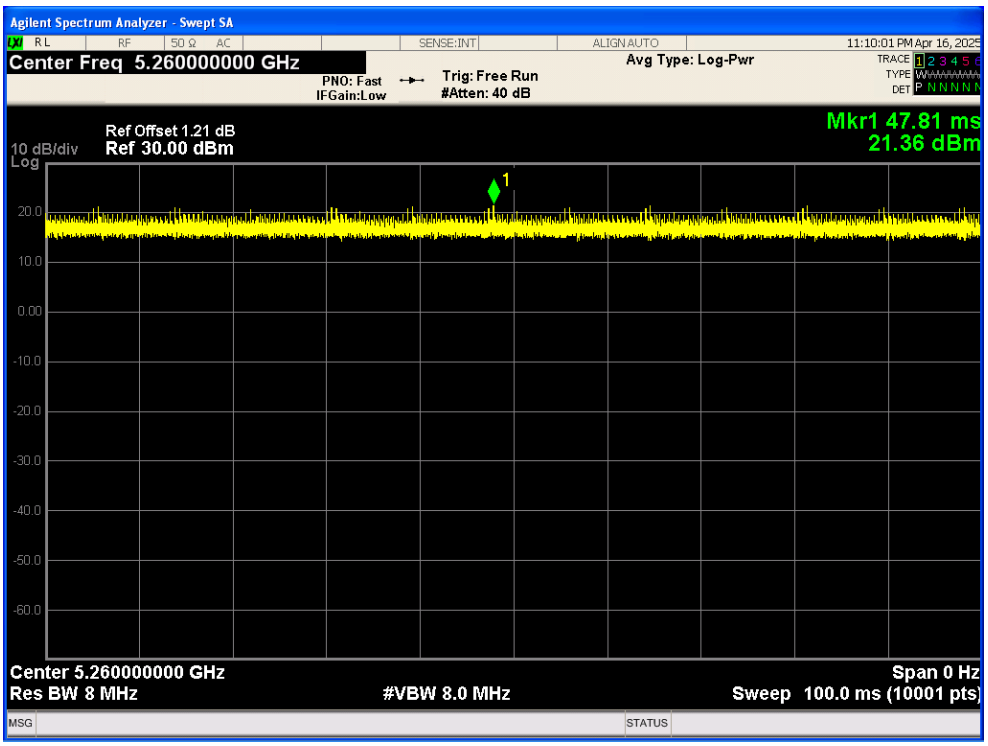
Duty Cycle NVNT a 5280MHz Ant1



Duty Cycle NVNT a 5320MHz Ant1



Duty Cycle NVNT a 5260MHz Ant2



Duty Cycle NVNT a 5280MHz Ant2