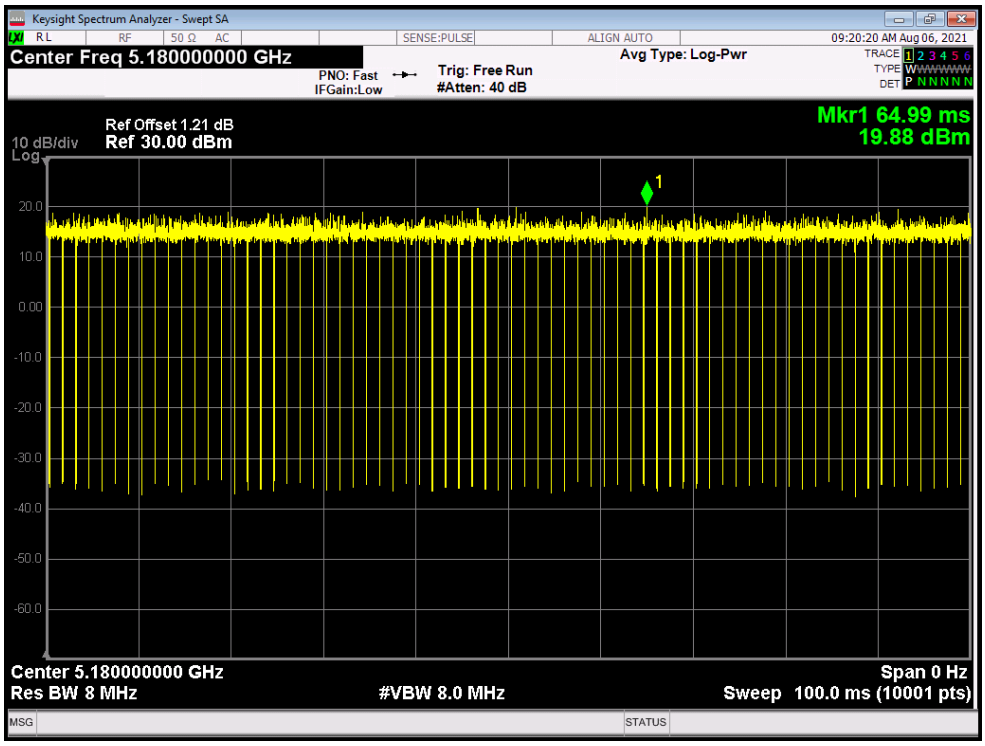
5.2G

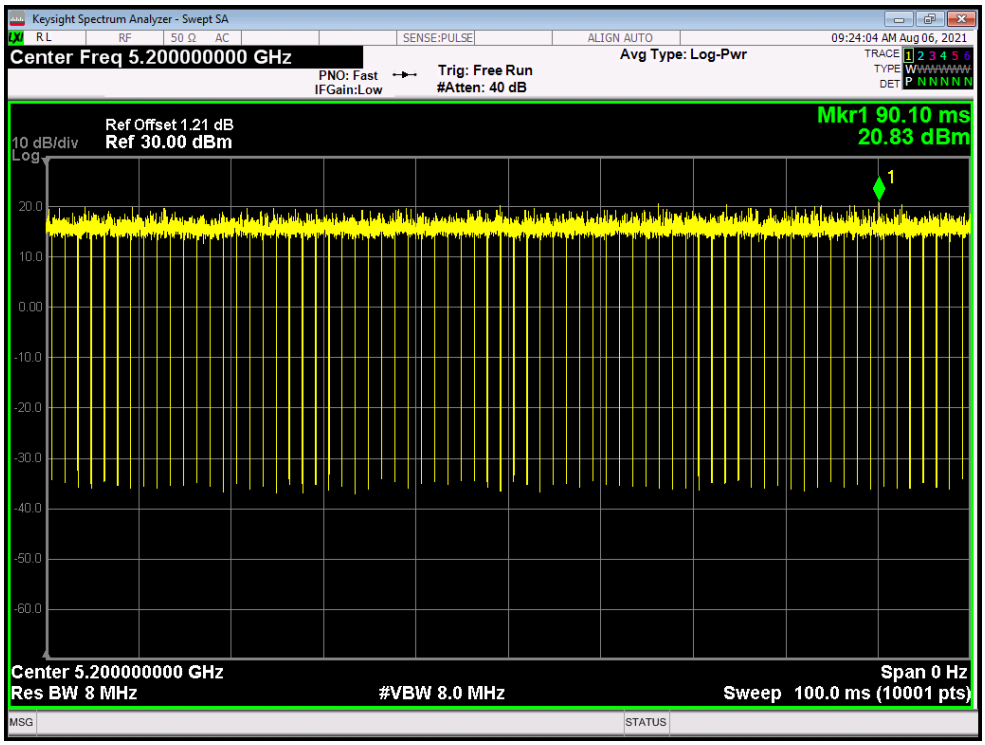
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	98.2	0.08
NVNT	a	5200	Ant1	98.2	0.08
NVNT	a	5240	Ant1	98.2	0.08
NVNT	ac20	5180	Ant1	98.1	0.08
NVNT	ac20	5200	Ant1	98.07	0.08
NVNT	ac20	5240	Ant1	98.09	0.08
NVNT	ac40	5190	Ant1	96.38	0.16
NVNT	ac40	5230	Ant1	96.35	0.16
NVNT	ac80	5210	Ant1	93.2	0.31
NVNT	n20	5180	Ant1	98.08	0.08
NVNT	n20	5200	Ant1	98.06	0.09
NVNT	n20	5240	Ant1	98.06	0.09
NVNT	n40	5190	Ant1	96.35	0.16
NVNT	n40	5230	Ant1	96.32	0.16

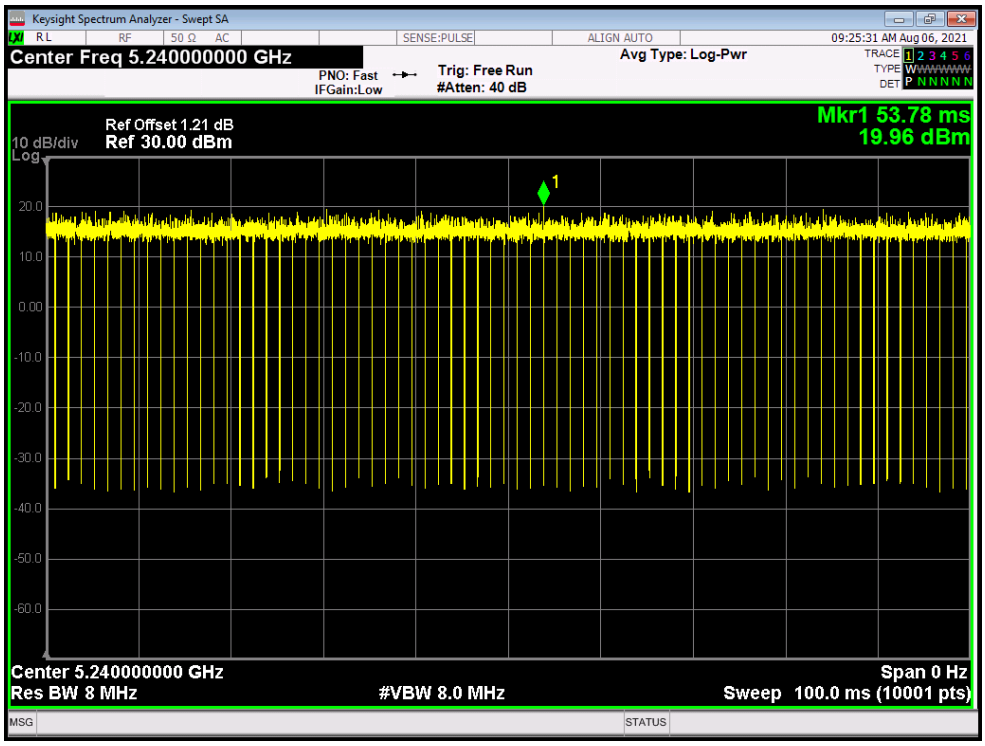
Duty Cycle NVNT a 5180MHz Ant1



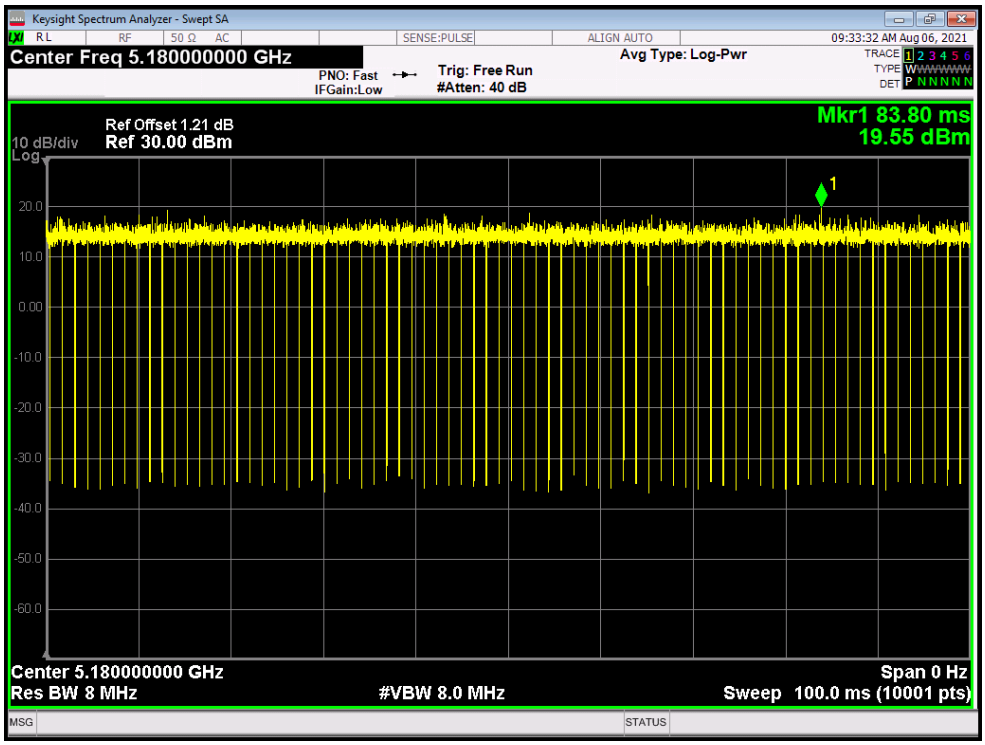
Duty Cycle NVNT a 5200MHz Ant1



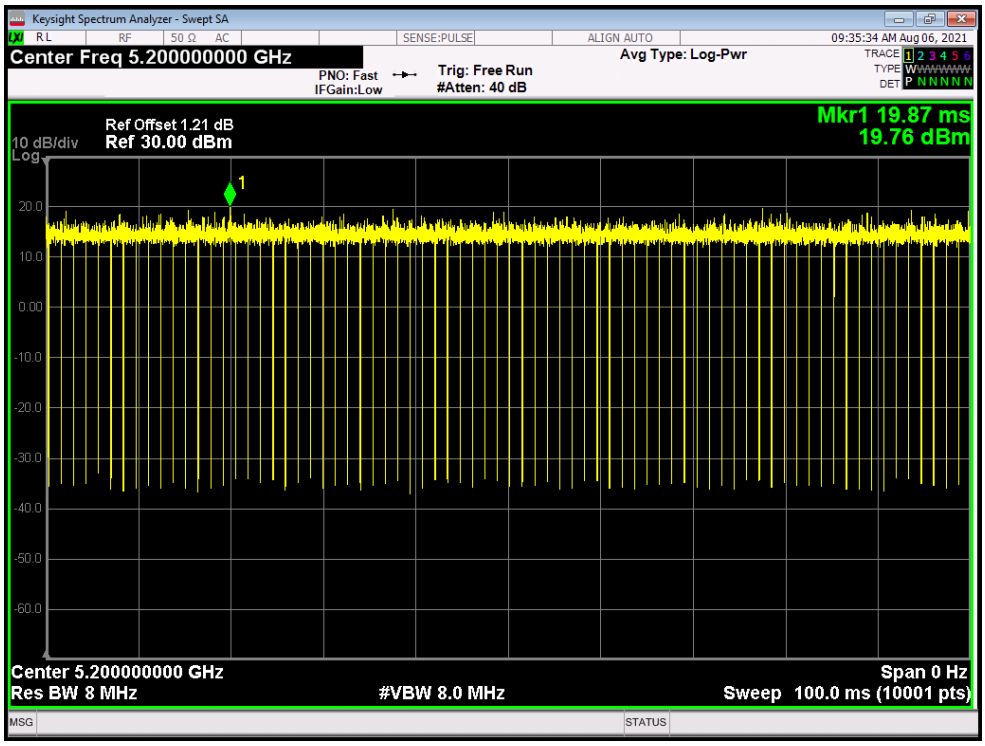
Duty Cycle NVNT a 5240MHz Ant1



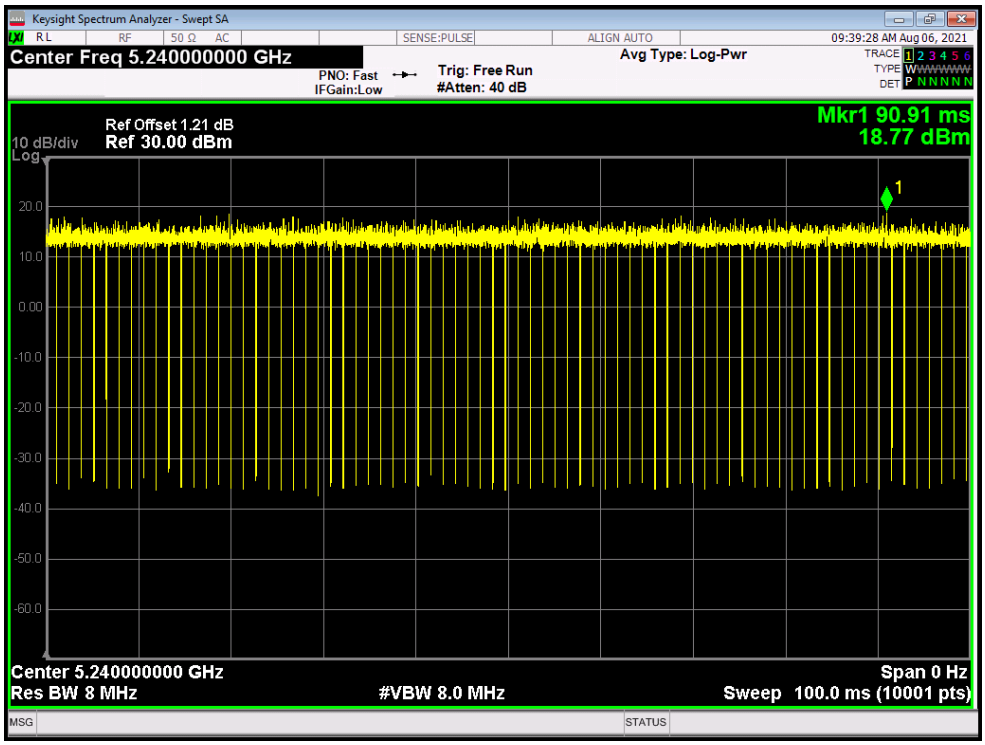
Duty Cycle NVNT ac20 5180MHz Ant1



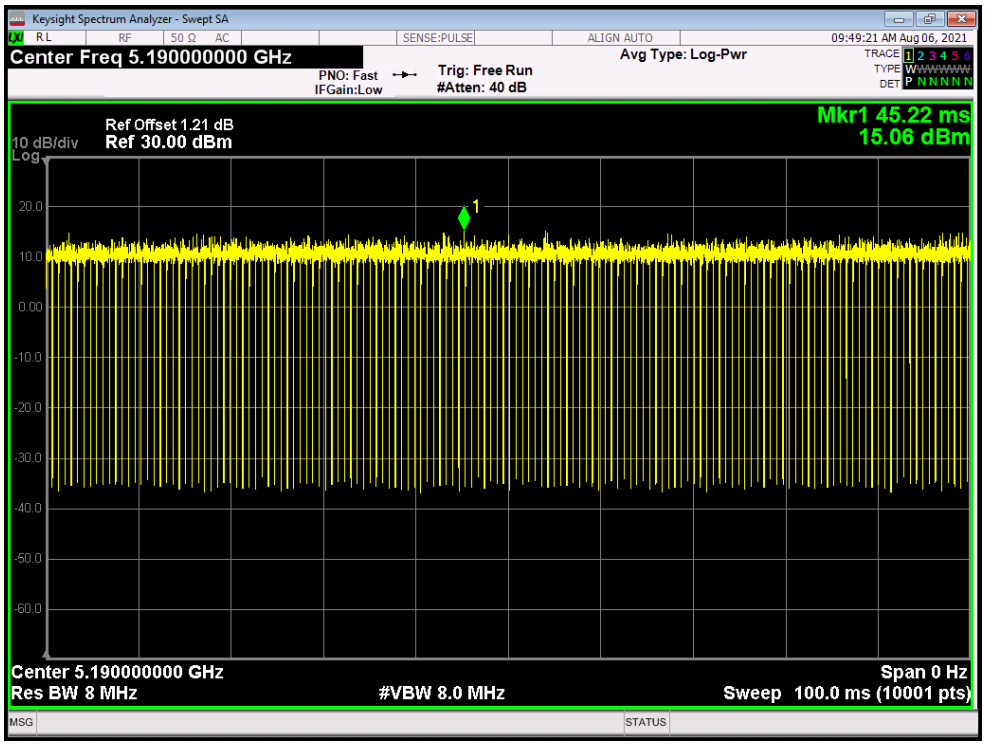
Duty Cycle NVNT ac20 5200MHz Ant1



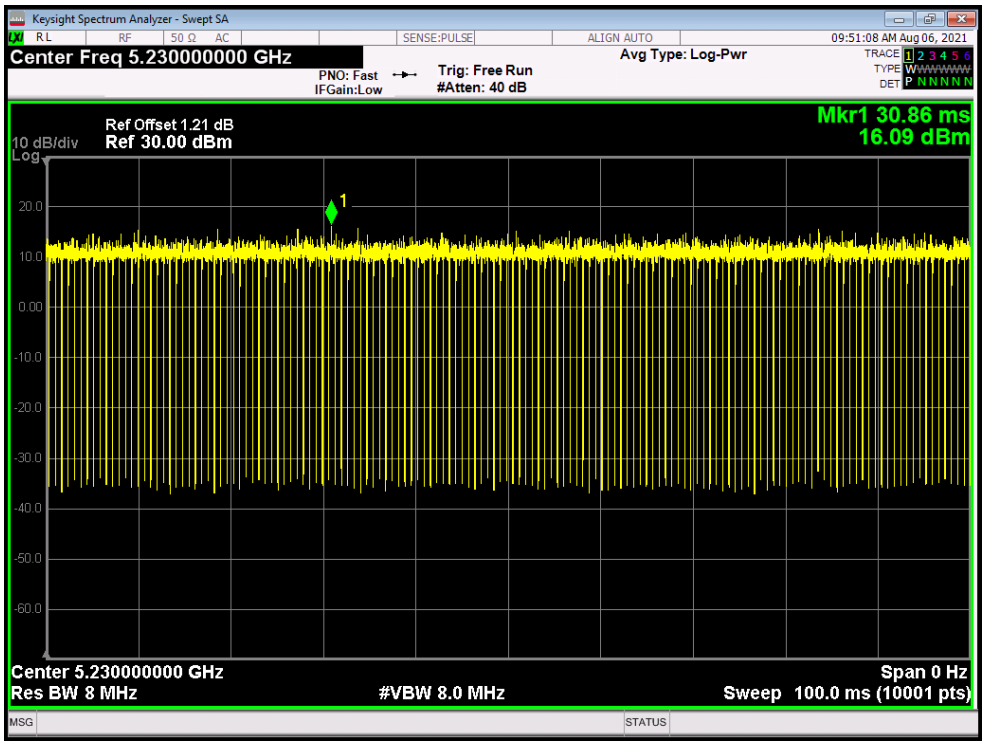
Duty Cycle NVNT ac20 5240MHz Ant1



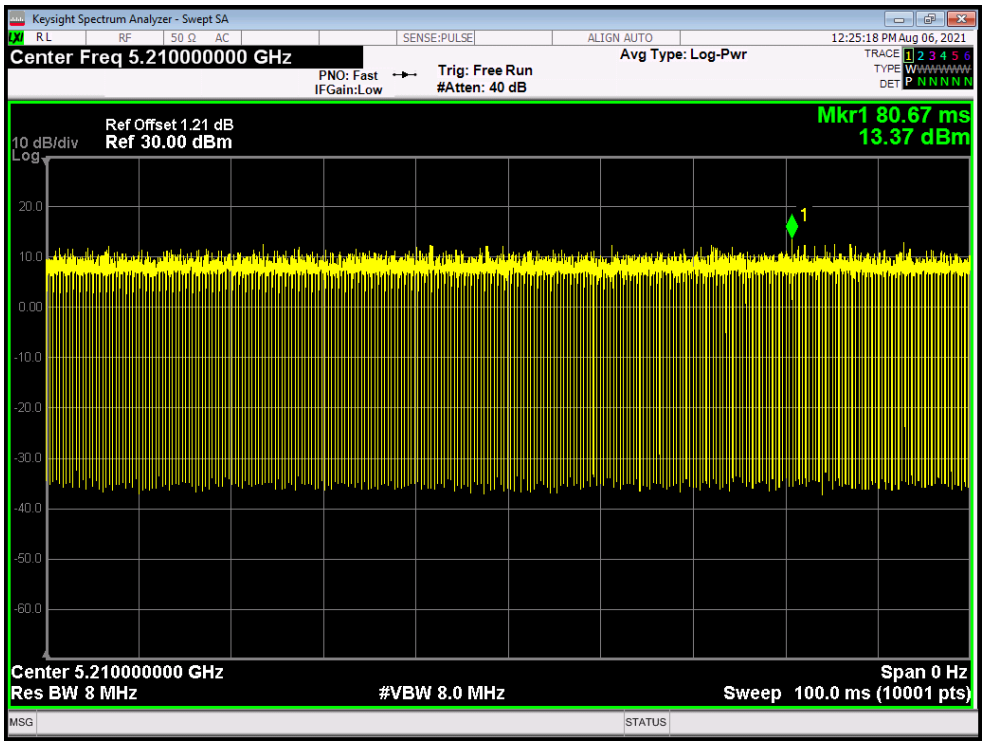
Duty Cycle NVNT ac40 5190MHz Ant1



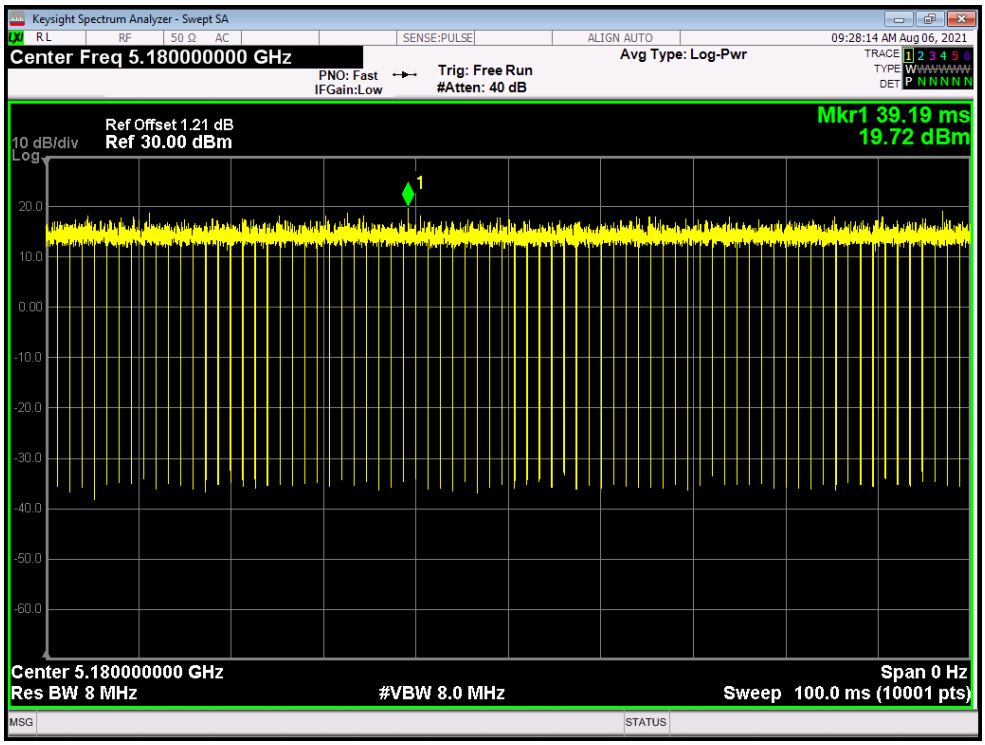
Duty Cycle NVNT ac40 5230MHz Ant1



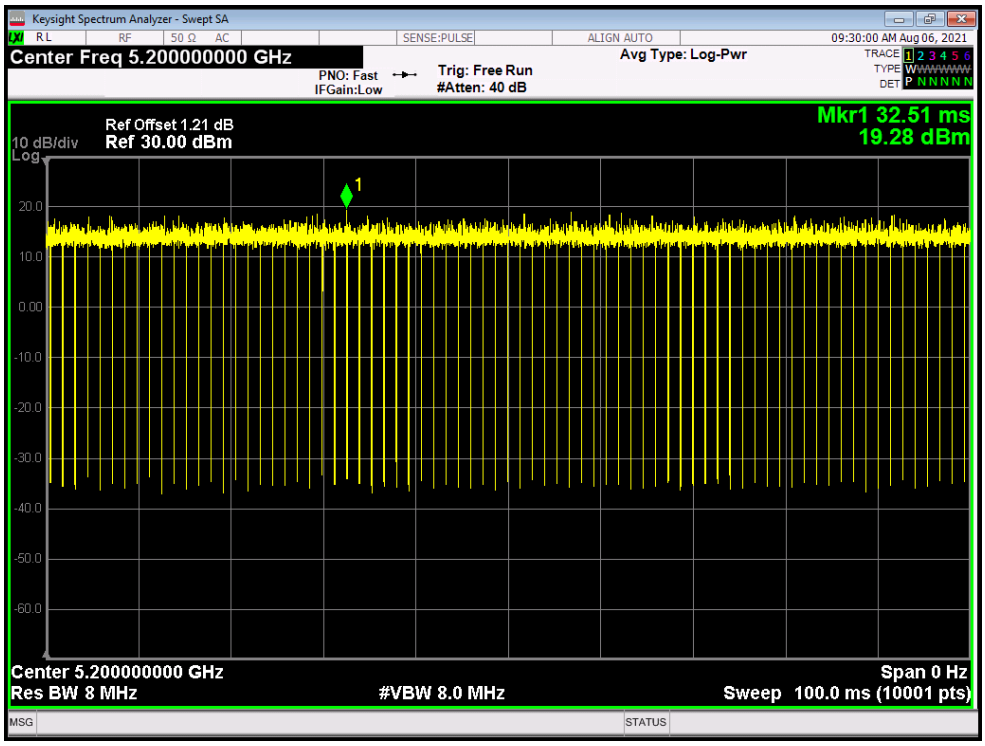
Duty Cycle NVNT ac80 5210MHz Ant1



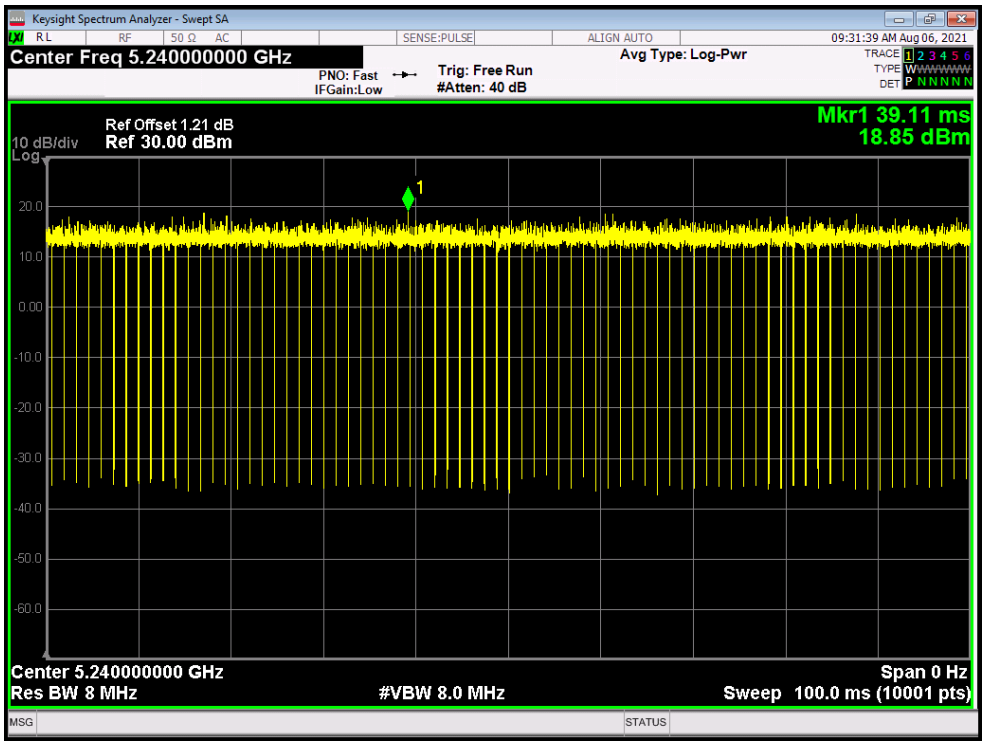
Duty Cycle NVNT n20 5180MHz Ant1



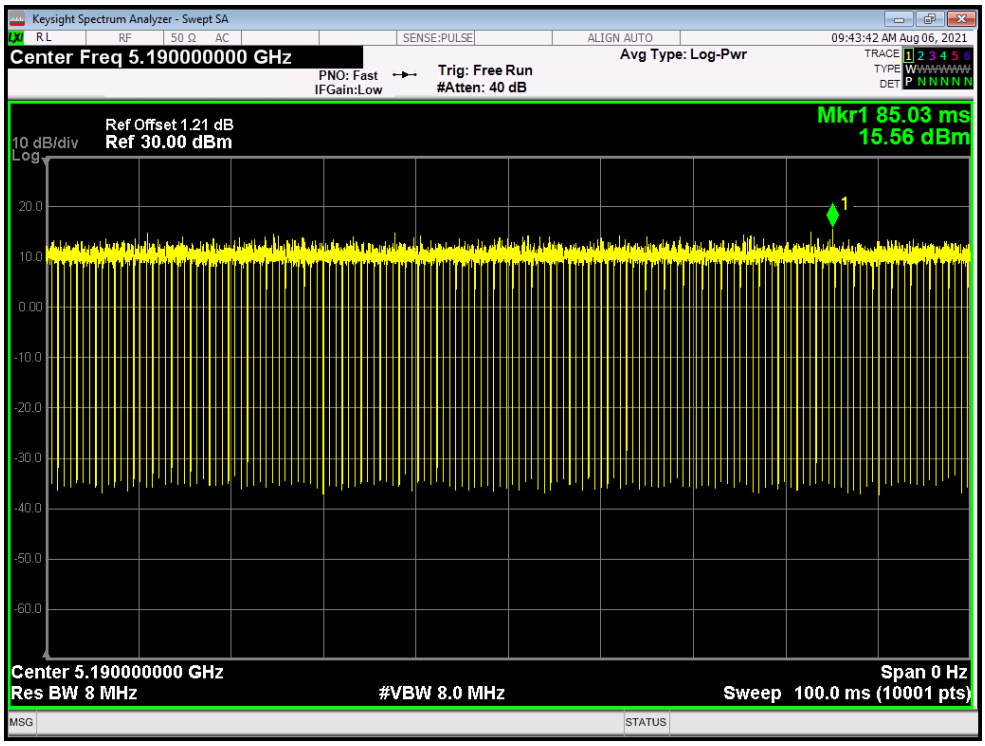
Duty Cycle NVNT n20 5200MHz Ant1



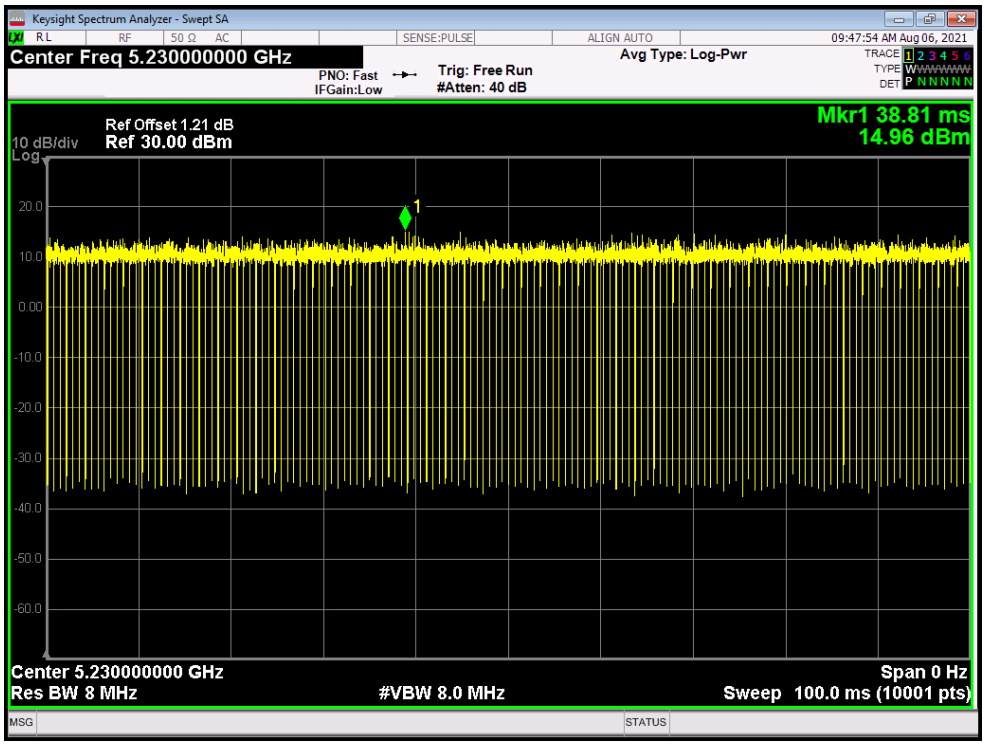
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1



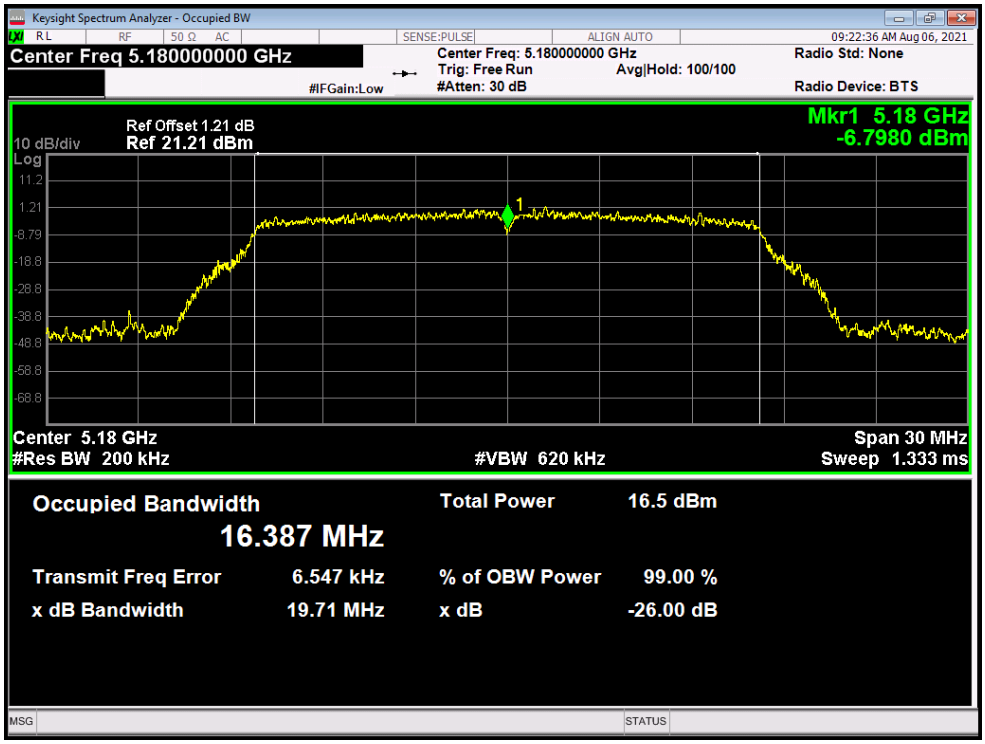
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	11.004	0.08	11.084	24	Pass
NVNT	a	5200	Ant1	10.868	0.08	10.948	24	Pass
NVNT	a	5240	Ant1	10.951	0.08	11.031	24	Pass
NVNT	ac20	5180	Ant1	9.768	0.08	9.848	24	Pass
NVNT	ac20	5200	Ant1	9.446	0.08	9.526	24	Pass
NVNT	ac20	5240	Ant1	9.695	0.08	9.775	24	Pass
NVNT	ac40	5190	Ant1	8.561	0.16	8.721	24	Pass
NVNT	ac40	5230	Ant1	8.705	0.16	8.865	24	Pass
NVNT	ac80	5210	Ant1	9.195	0.31	9.505	24	Pass
NVNT	n20	5180	Ant1	9.907	0.08	9.987	24	Pass
NVNT	n20	5200	Ant1	9.51	0.09	9.6	24	Pass
NVNT	n20	5240	Ant1	9.714	0.09	9.804	24	Pass
NVNT	n40	5190	Ant1	8.592	0.16	8.752	24	Pass
NVNT	n40	5230	Ant1	8.941	0.16	9.101	24	Pass

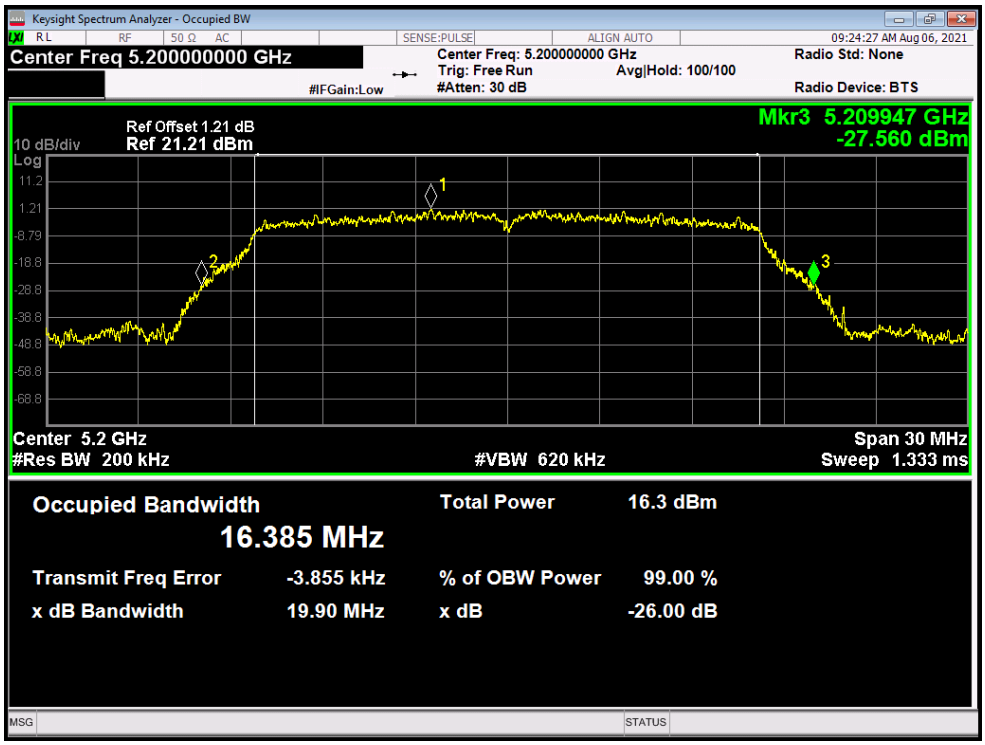
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.711	0.5	Pass
NVNT	a	5200	Ant1	19.902	0.5	Pass
NVNT	a	5240	Ant1	20.037	0.5	Pass
NVNT	ac20	5180	Ant1	20.049	0.5	Pass
NVNT	ac20	5200	Ant1	20.148	0.5	Pass
NVNT	ac20	5240	Ant1	20.085	0.5	Pass
NVNT	ac40	5190	Ant1	39.742	0.5	Pass
NVNT	ac40	5230	Ant1	40.241	0.5	Pass
NVNT	ac80	5210	Ant1	80.241	0.5	Pass
NVNT	n20	5180	Ant1	20.104	0.5	Pass
NVNT	n20	5200	Ant1	20.041	0.5	Pass
NVNT	n20	5240	Ant1	19.785	0.5	Pass
NVNT	n40	5190	Ant1	40.178	0.5	Pass
NVNT	n40	5230	Ant1	39.8	0.5	Pass

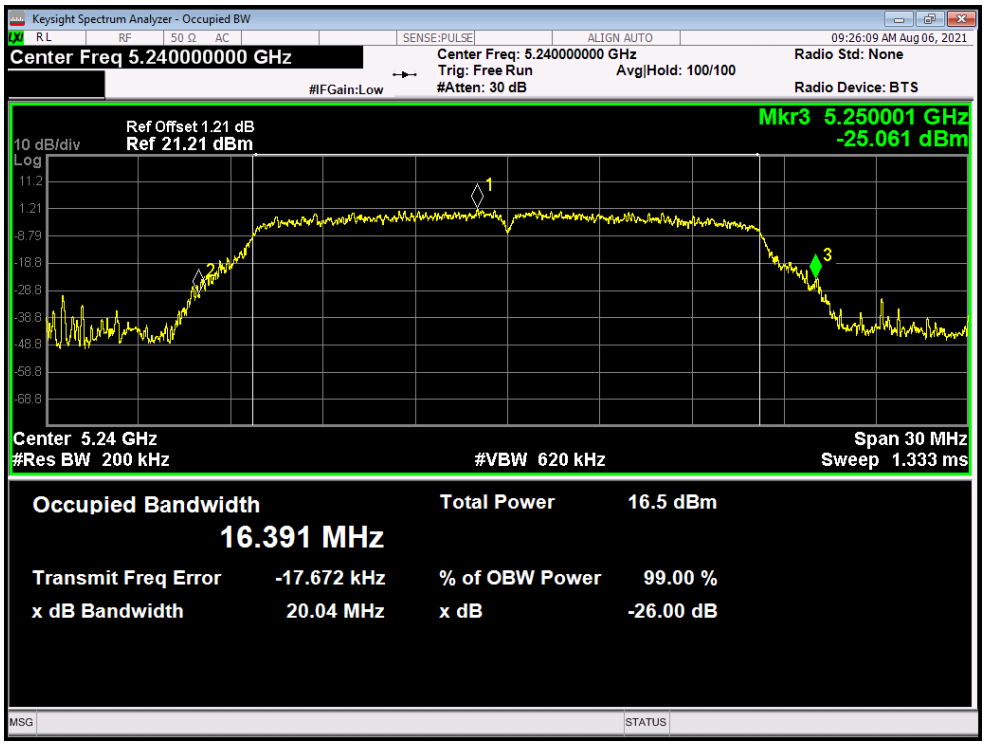
-26dB Bandwidth NVNT a 5180MHz Ant1



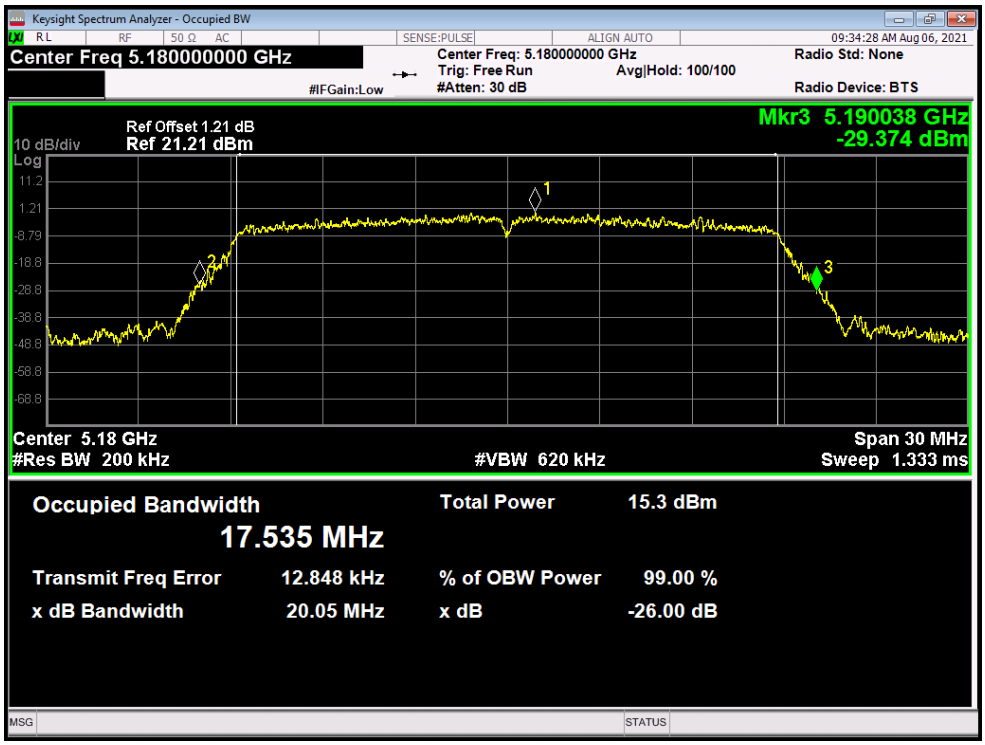
-26dB Bandwidth NVNT a 5200MHz Ant1



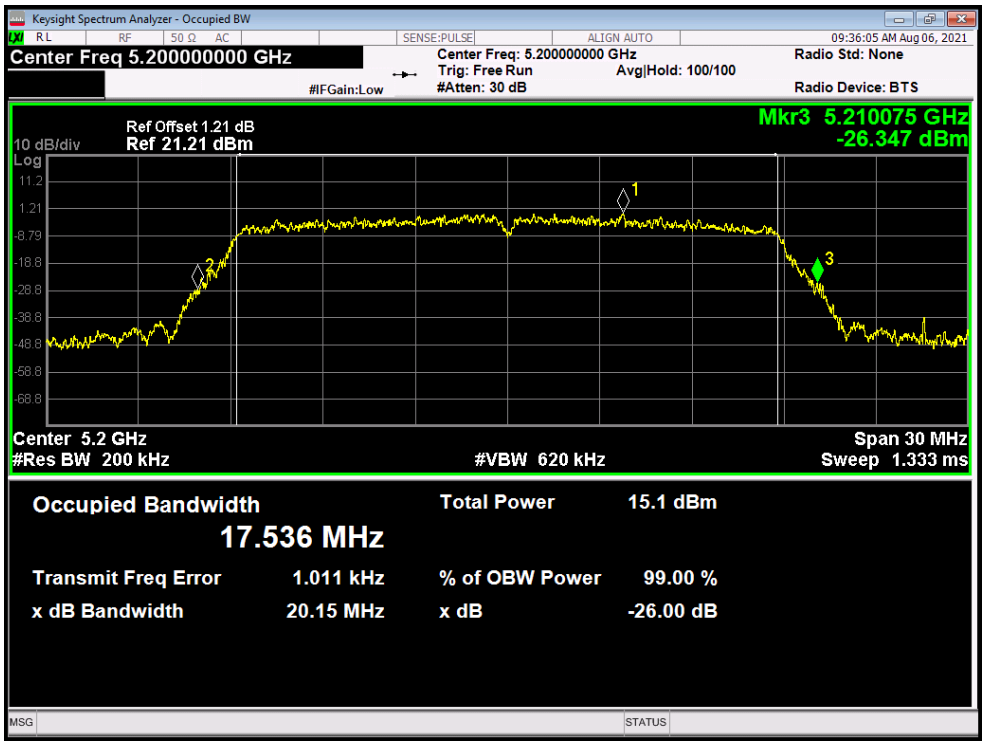
-26dB Bandwidth NVNT a 5240MHz Ant1



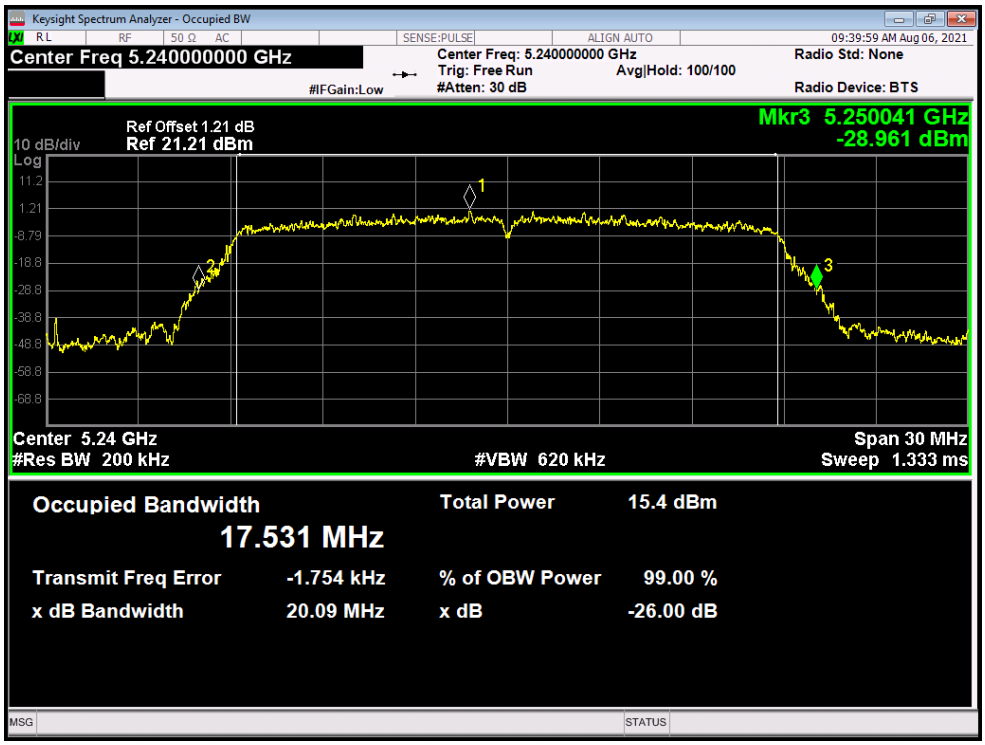
-26dB Bandwidth NVNT ac20 5180MHz Ant1



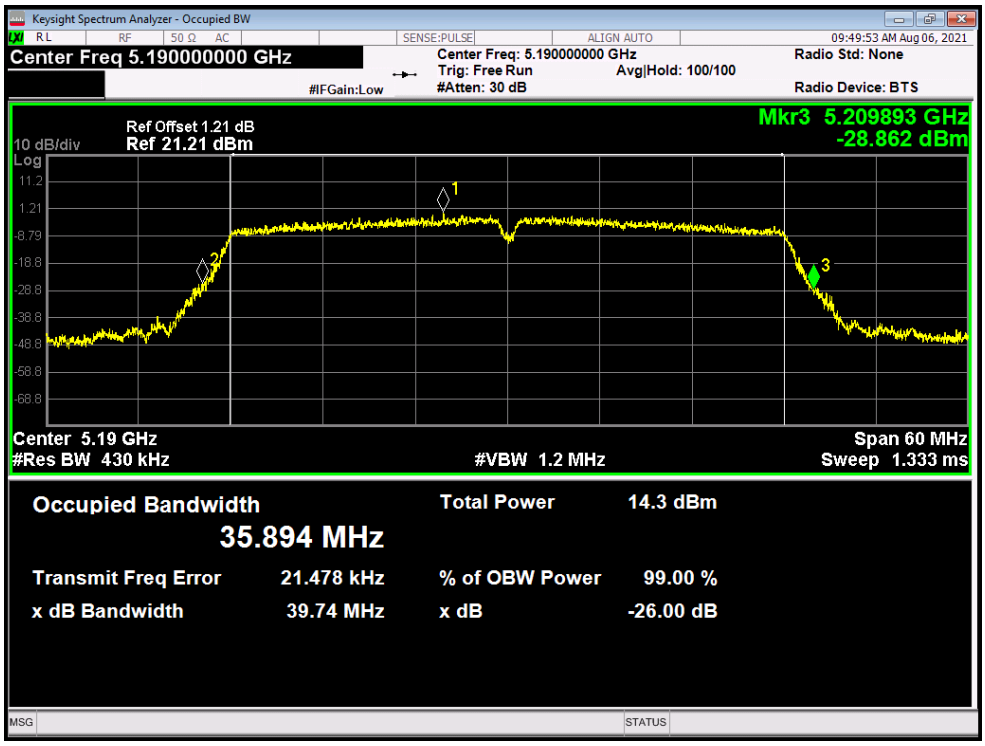
-26dB Bandwidth NVNT ac20 5200MHz Ant1



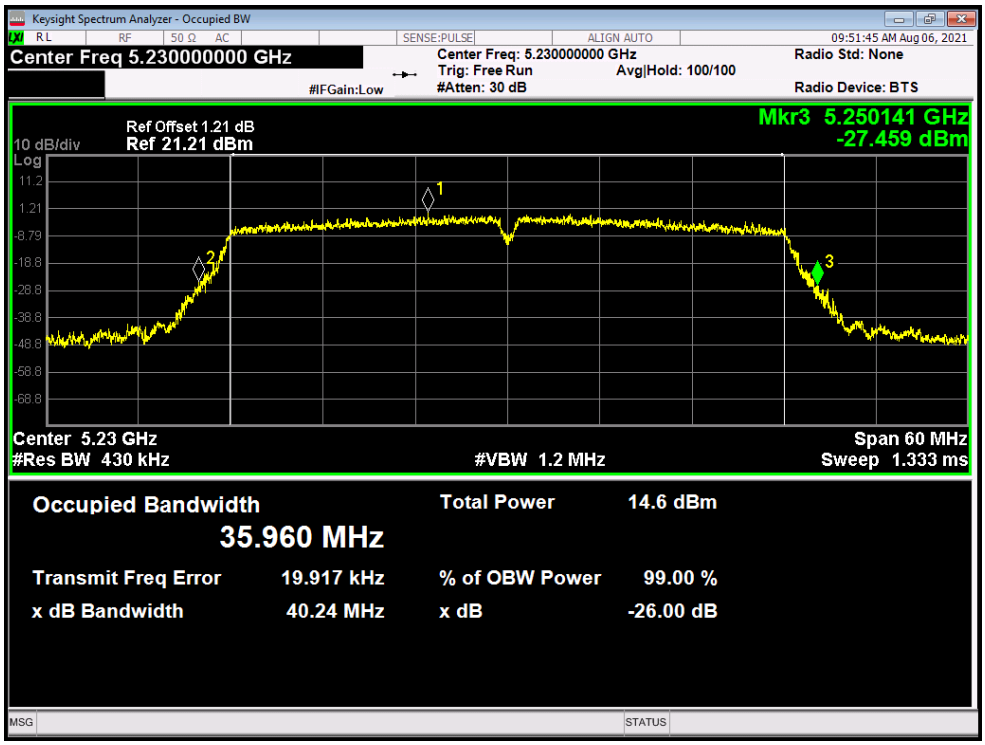
-26dB Bandwidth NVNT ac20 5240MHz Ant1



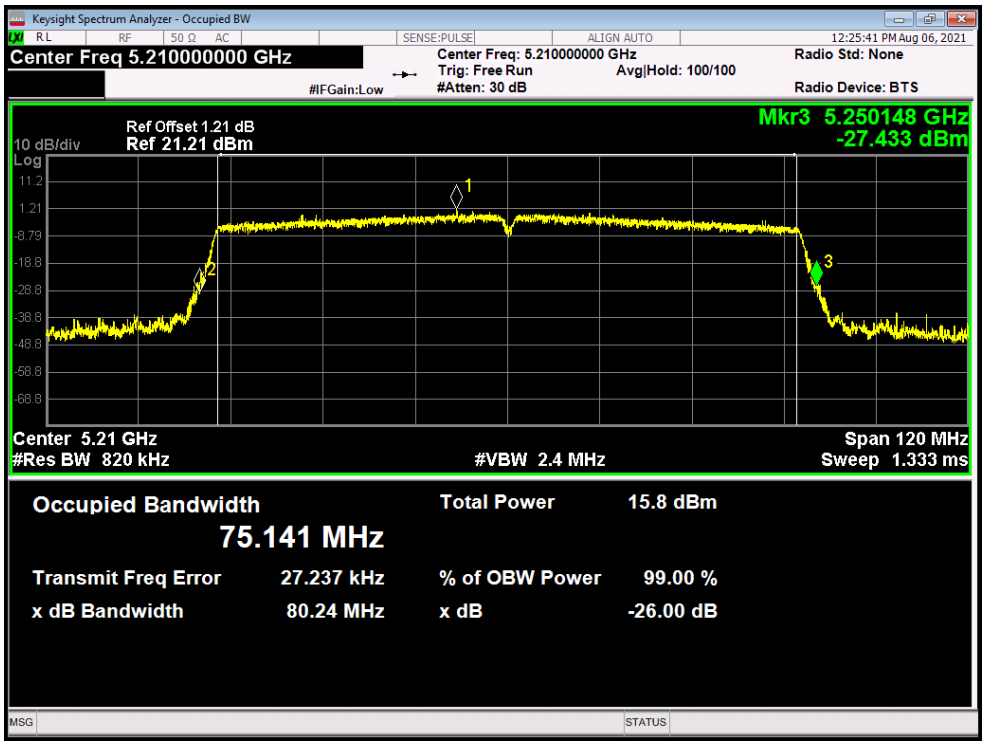
-26dB Bandwidth NVNT ac40 5190MHz Ant1



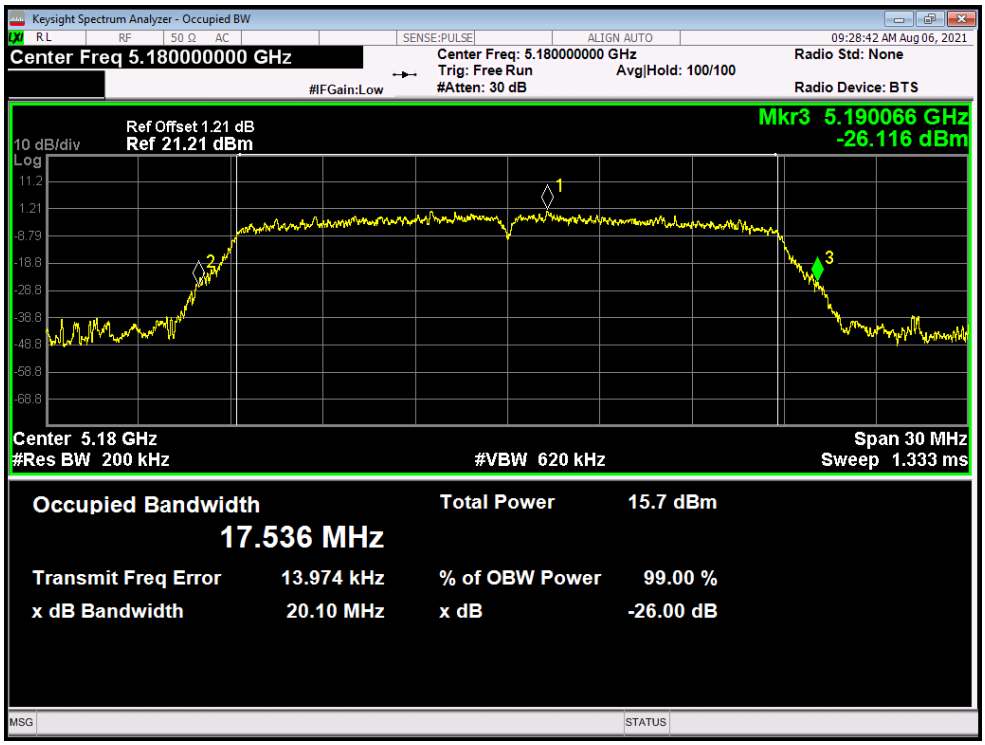
-26dB Bandwidth NVNT ac40 5230MHz Ant1



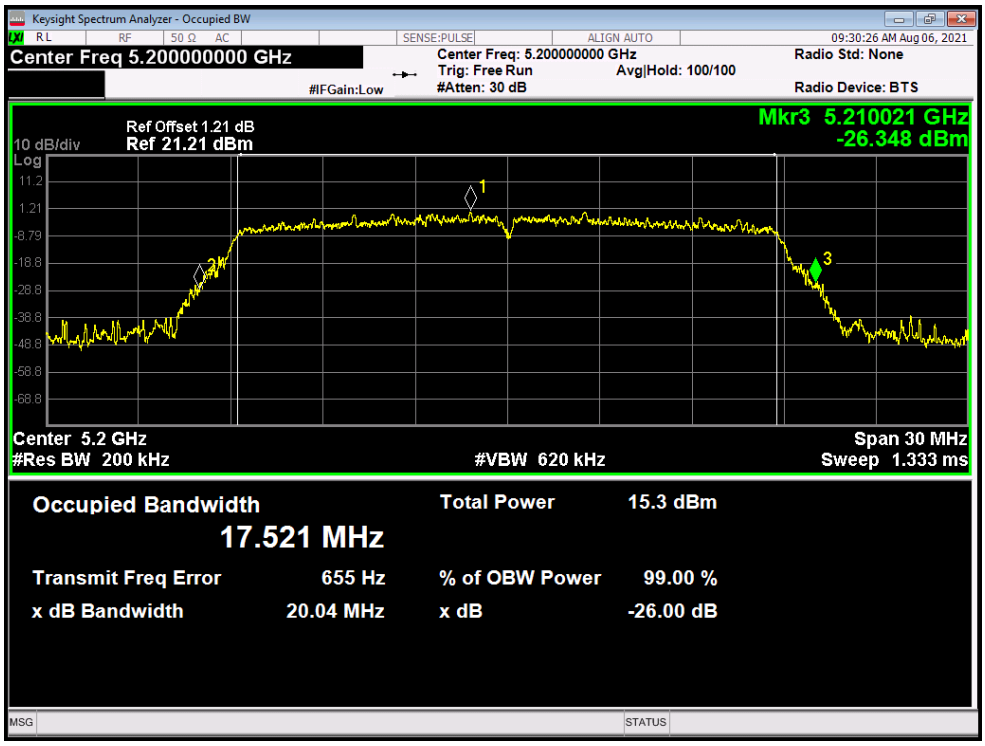
-26dB Bandwidth NVNT ac80 5210MHz Ant1



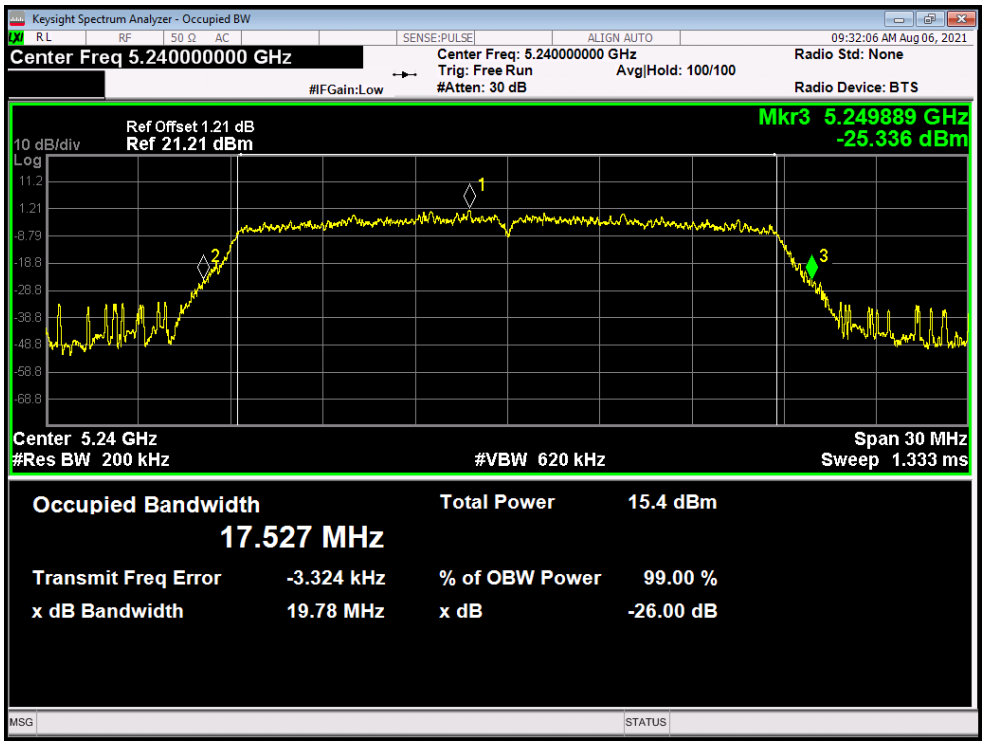
-26dB Bandwidth NVNT n20 5180MHz Ant1



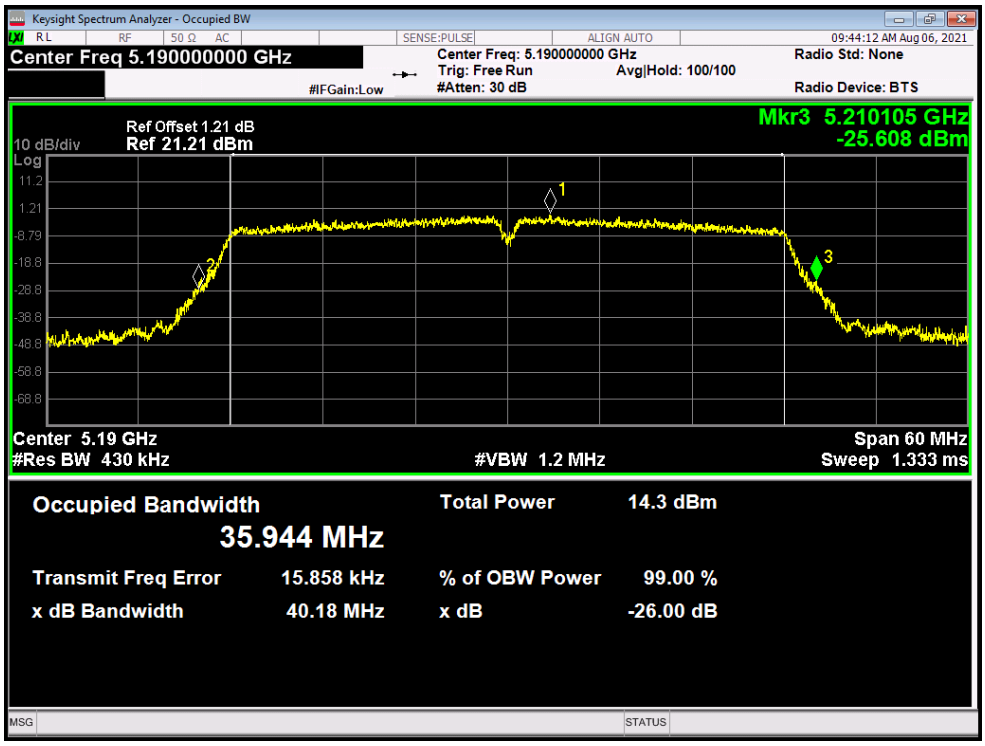
-26dB Bandwidth NVNT n20 5200MHz Ant1



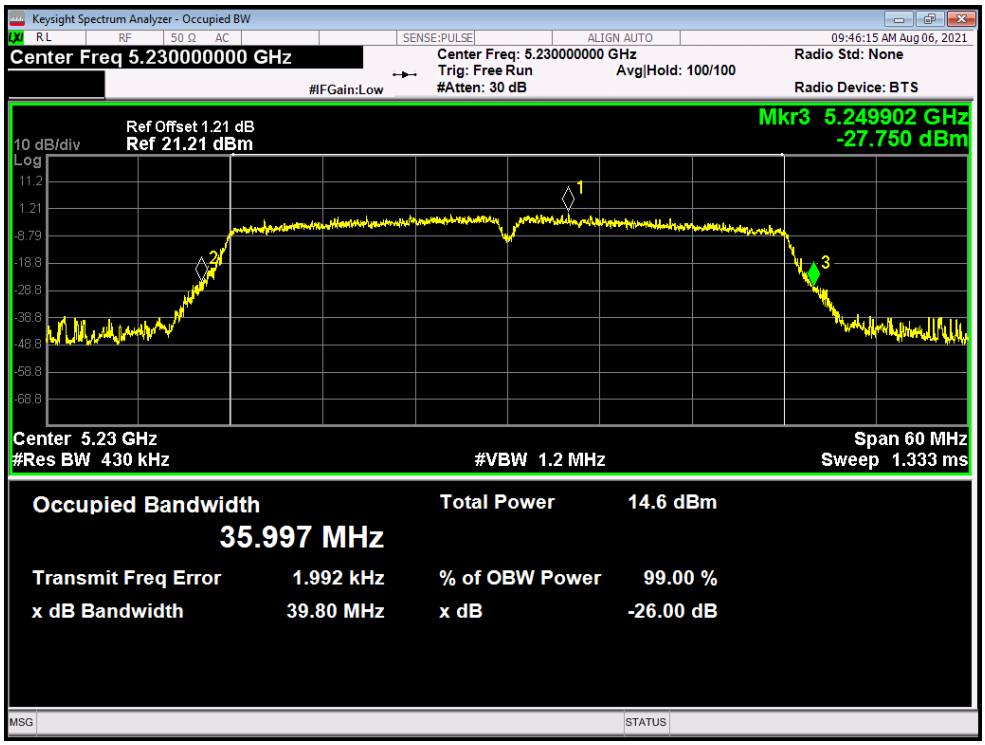
-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1



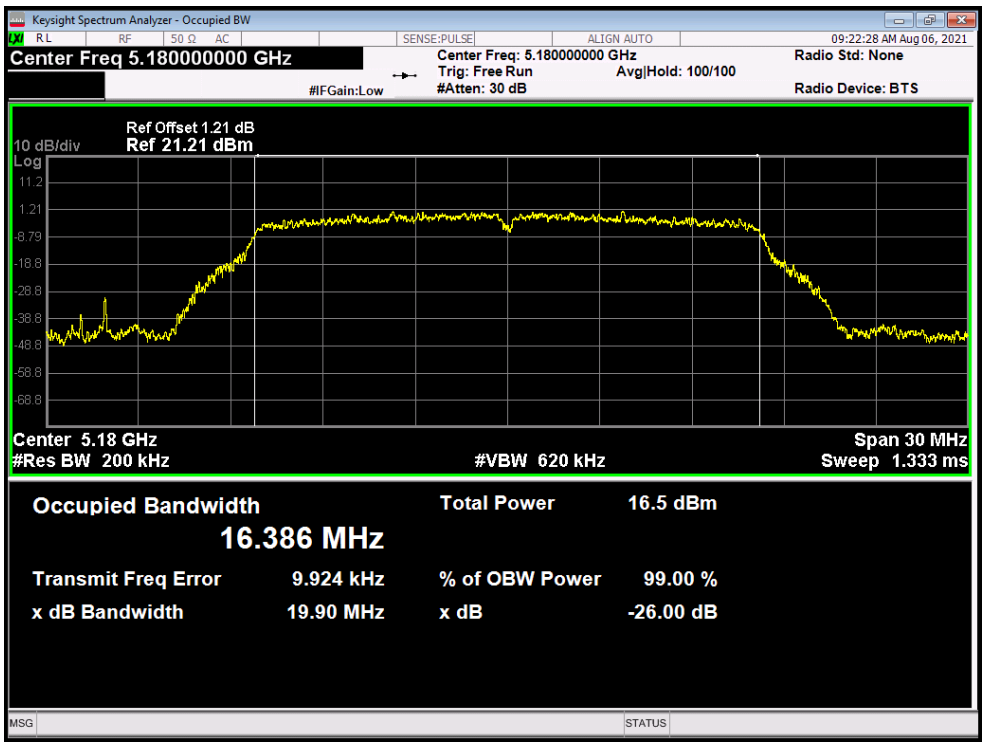
-26dB Bandwidth NVNT n40 5230MHz Ant1



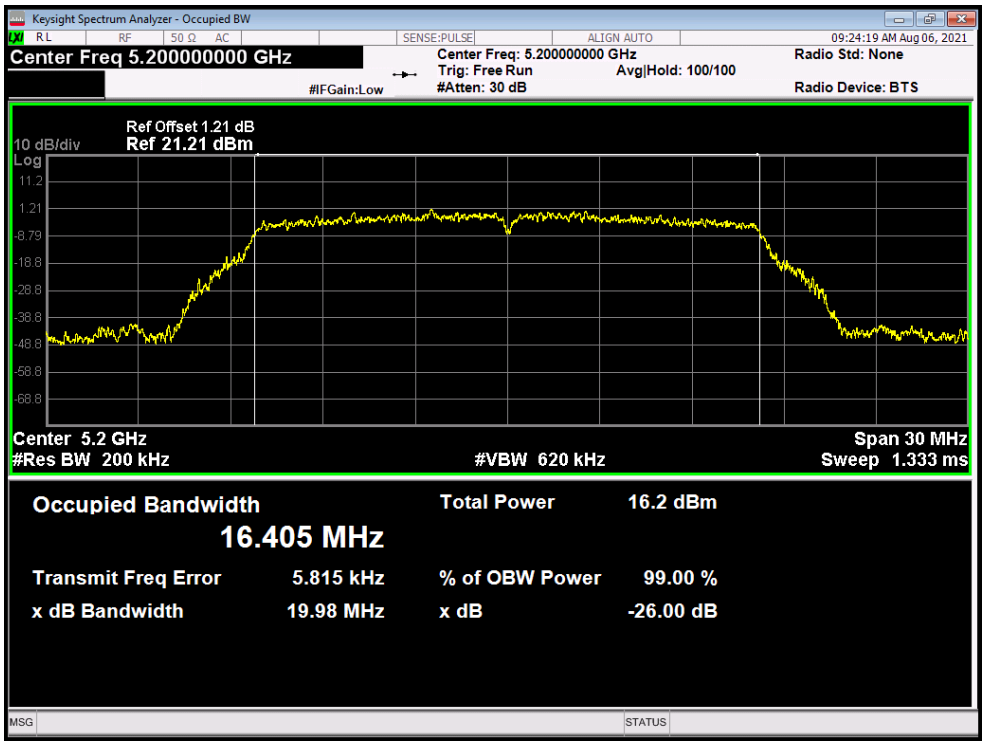
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.386
NVNT	a	5200	Ant1	16.405
NVNT	a	5240	Ant1	16.379
NVNT	ac20	5180	Ant1	17.527
NVNT	ac20	5200	Ant1	17.521
NVNT	ac20	5240	Ant1	17.545
NVNT	ac40	5190	Ant1	35.889
NVNT	ac40	5230	Ant1	35.886
NVNT	ac80	5210	Ant1	75.185
NVNT	n20	5180	Ant1	17.533
NVNT	n20	5200	Ant1	17.54
NVNT	n20	5240	Ant1	17.499
NVNT	n40	5190	Ant1	35.949
NVNT	n40	5230	Ant1	35.973

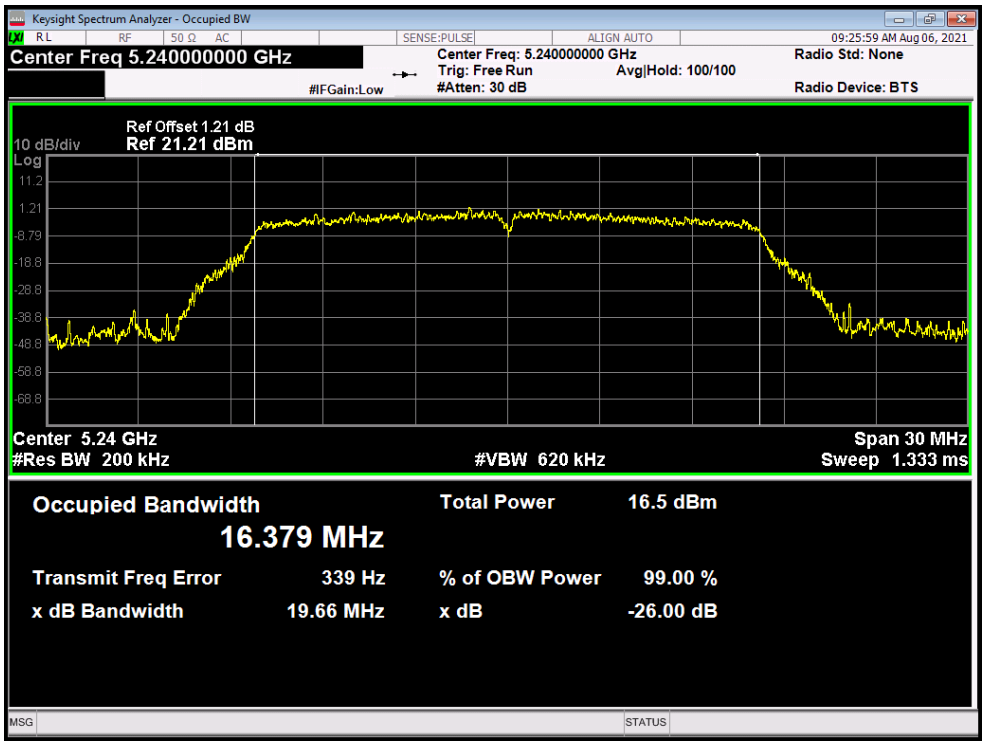
OBW NVNT a 5180MHz Ant1



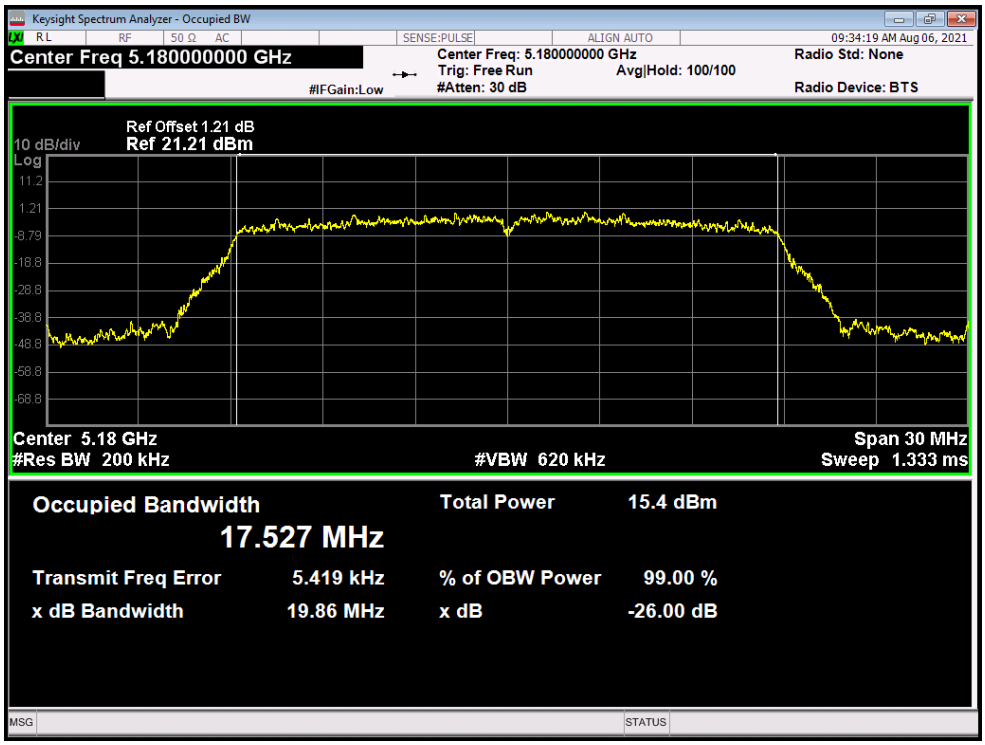
OBW NVNT a 5200MHz Ant1



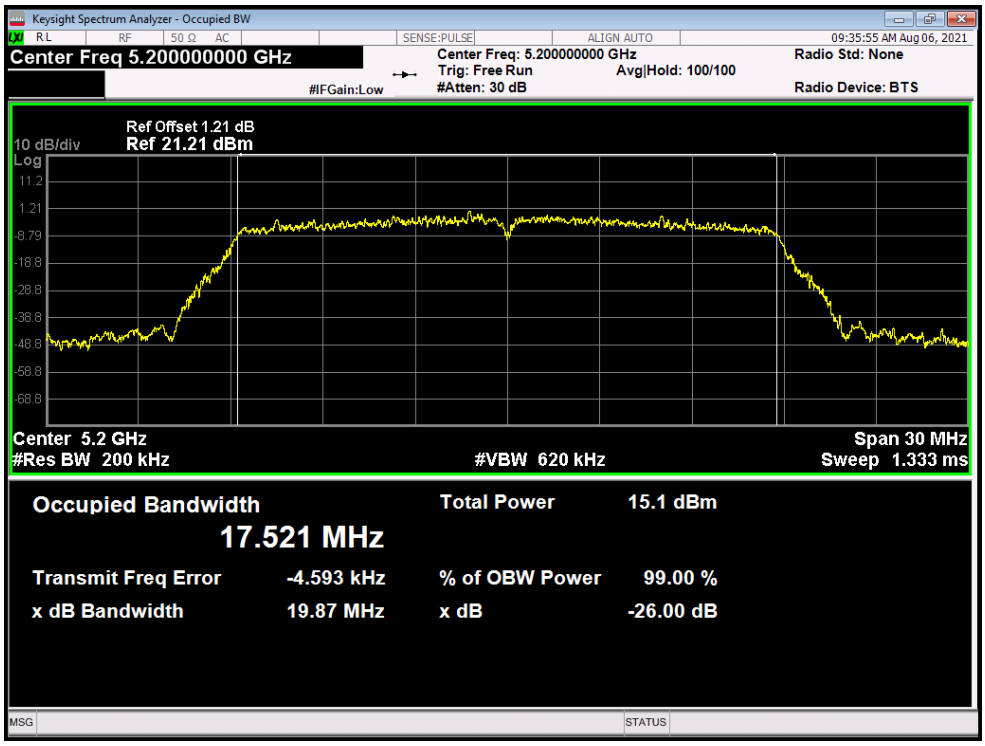
OBW NVNT a 5240MHz Ant1



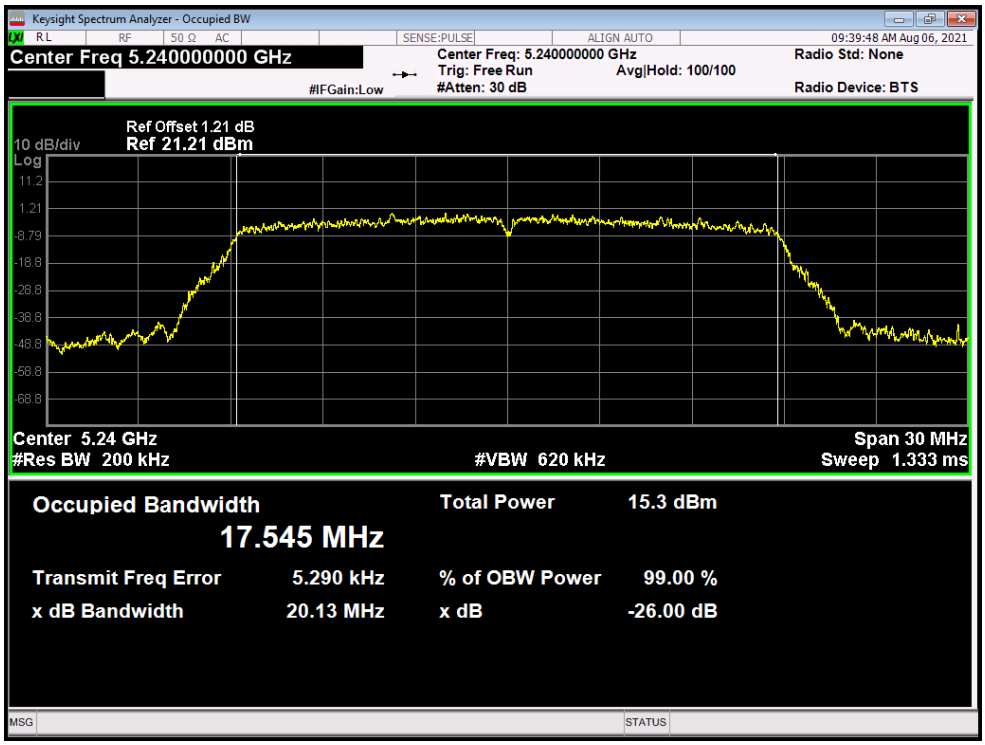
OBW NVNT ac20 5180MHz Ant1



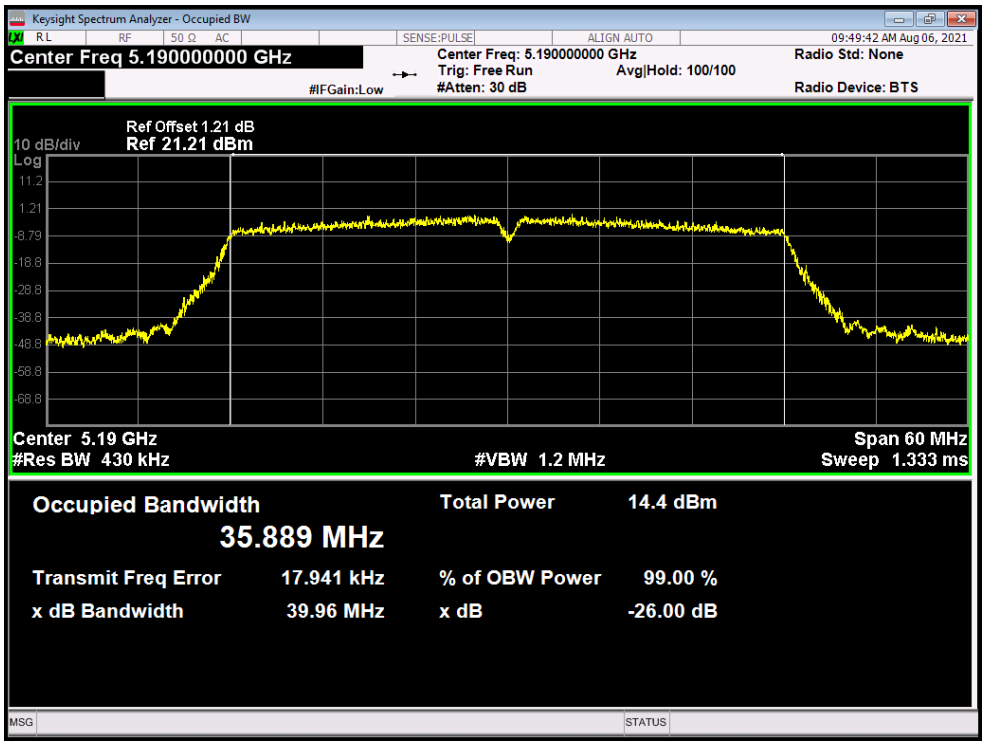
OBW NVNT ac20 5200MHz Ant1



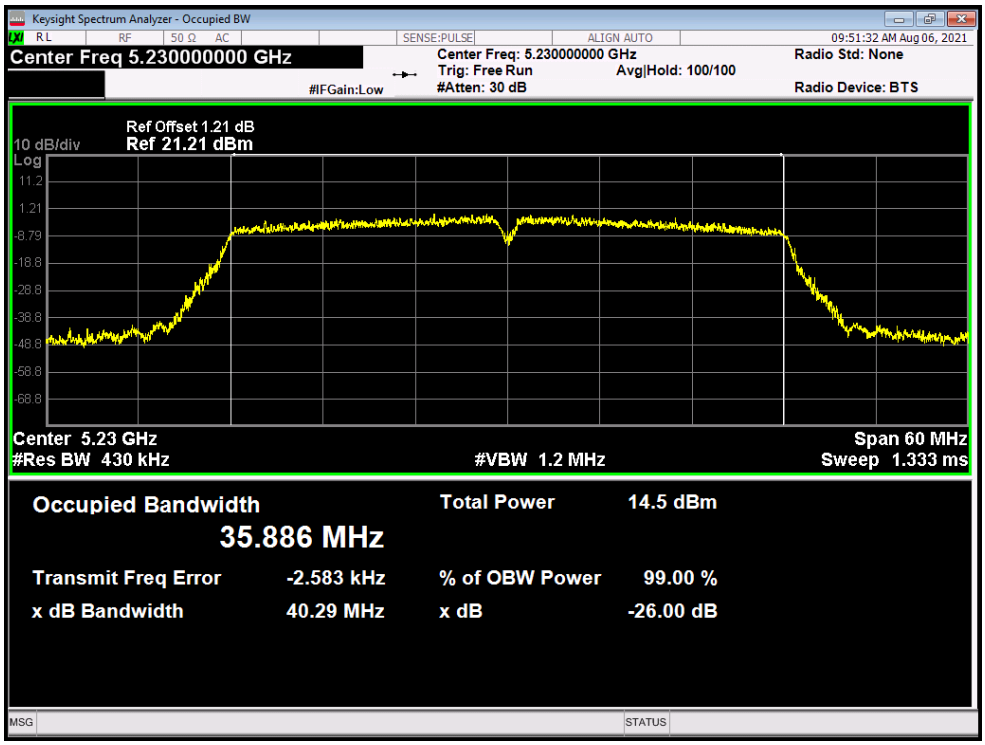
OBW NVNT ac20 5240MHz Ant1



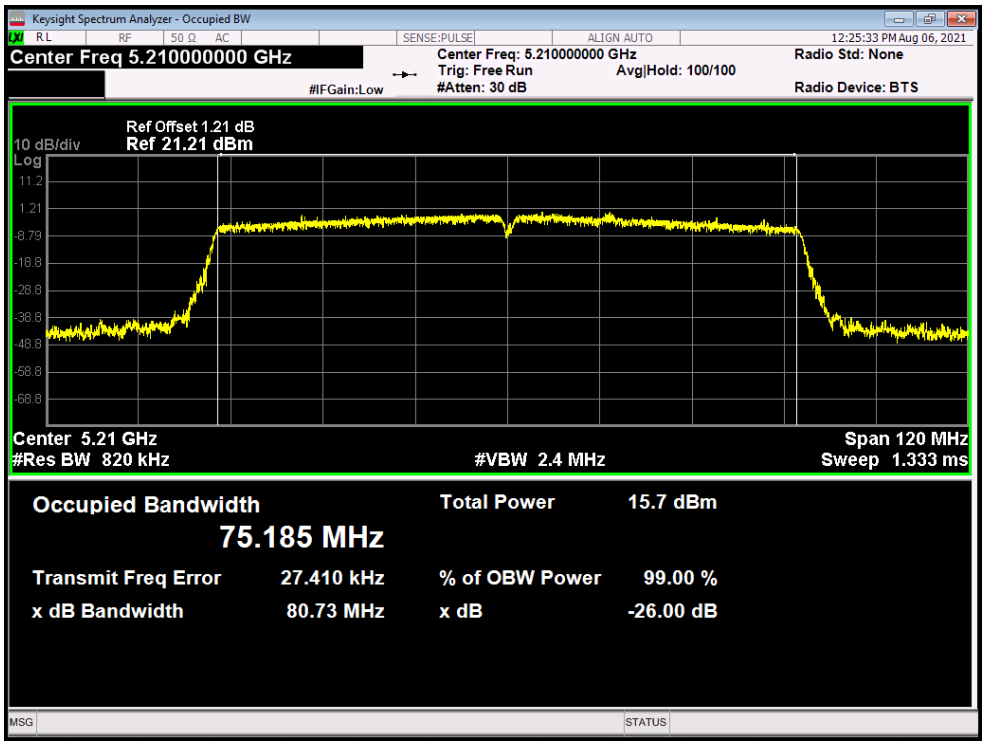
OBW NVNT ac40 5190MHz Ant1



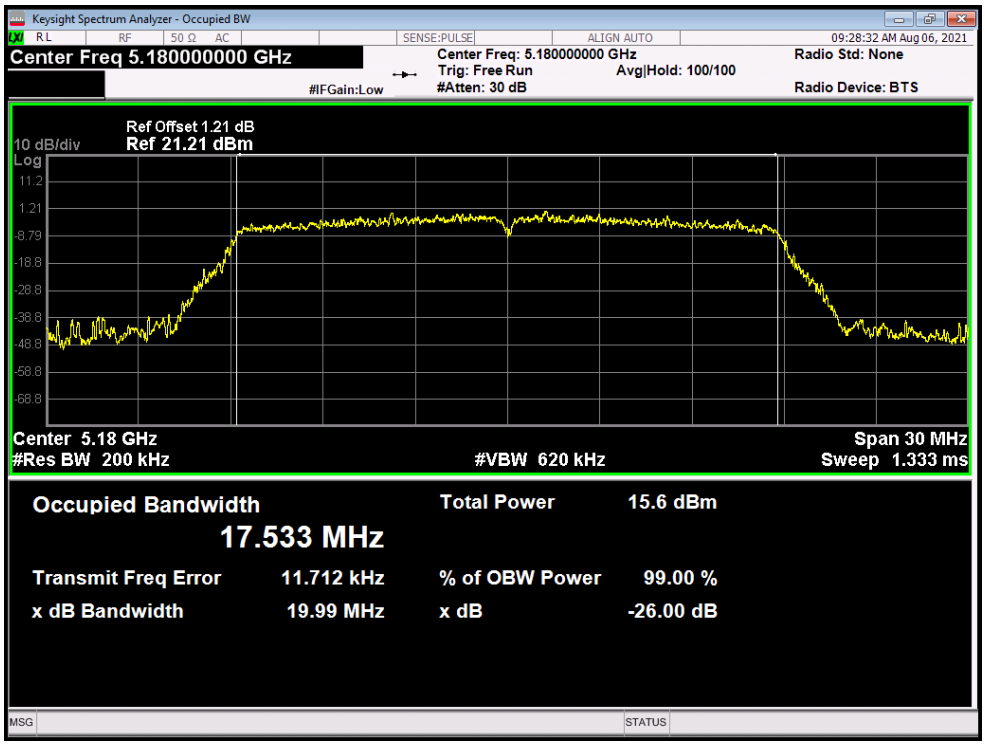
OBW NVNT ac40 5230MHz Ant1



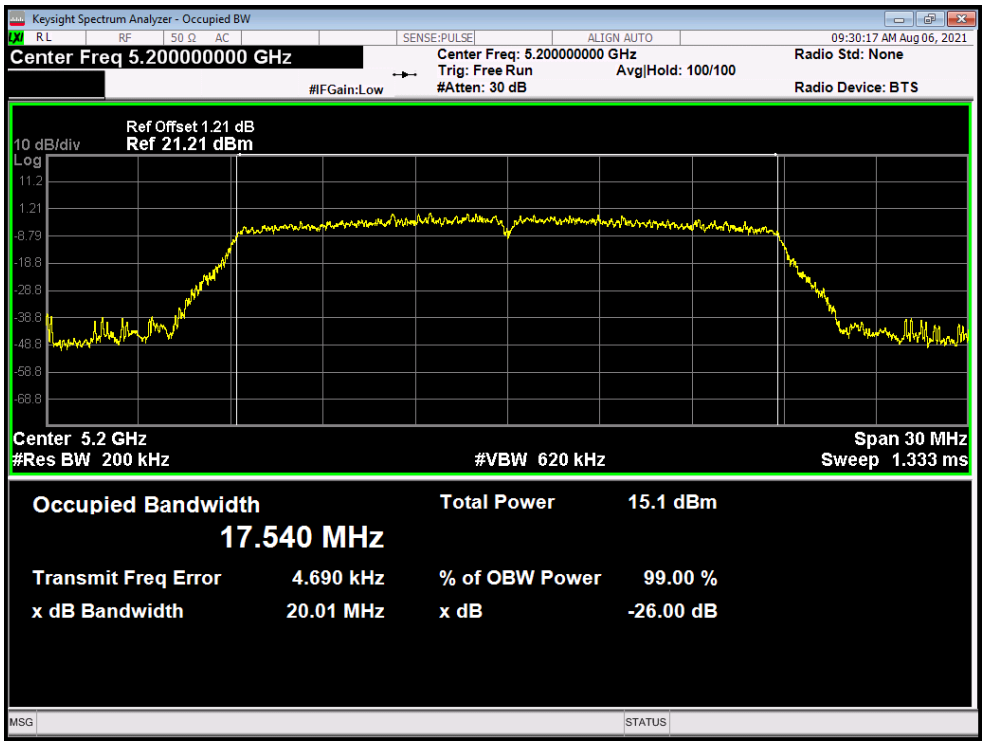
OBW NVNT ac80 5210MHz Ant1



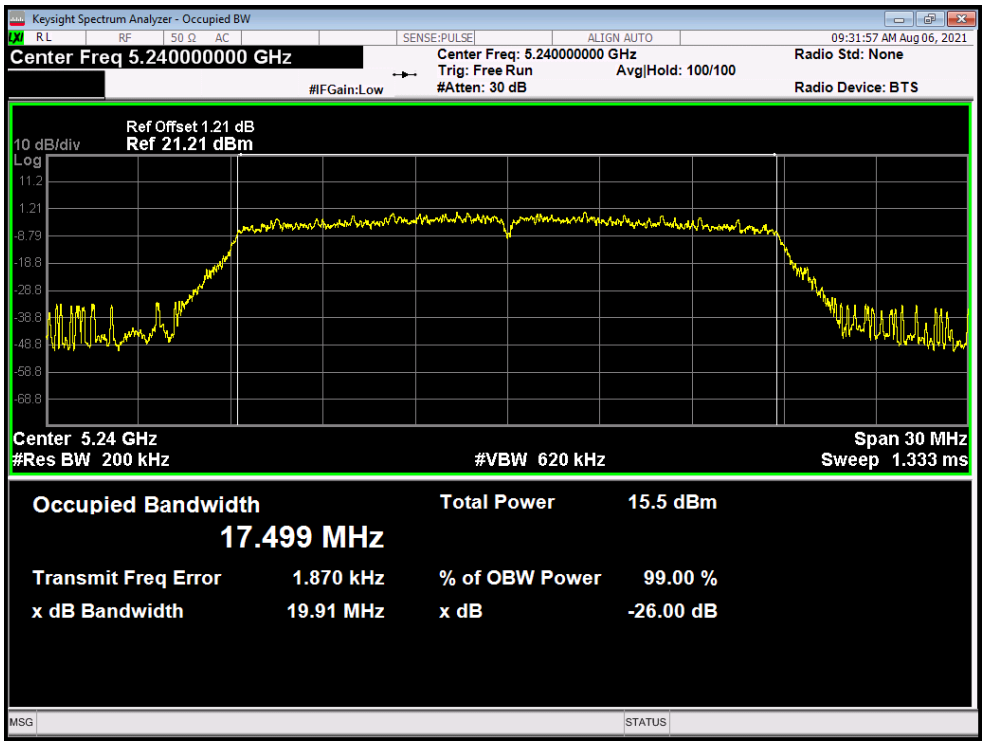
OBW NVNT n20 5180MHz Ant1



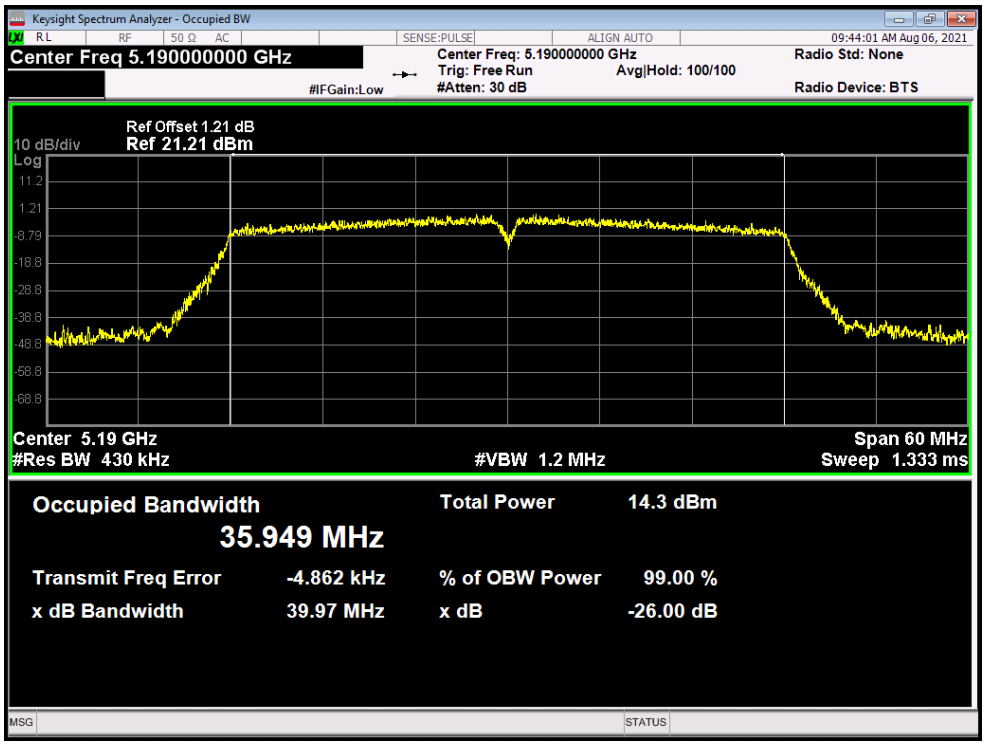
OBW NVNT n20 5200MHz Ant1



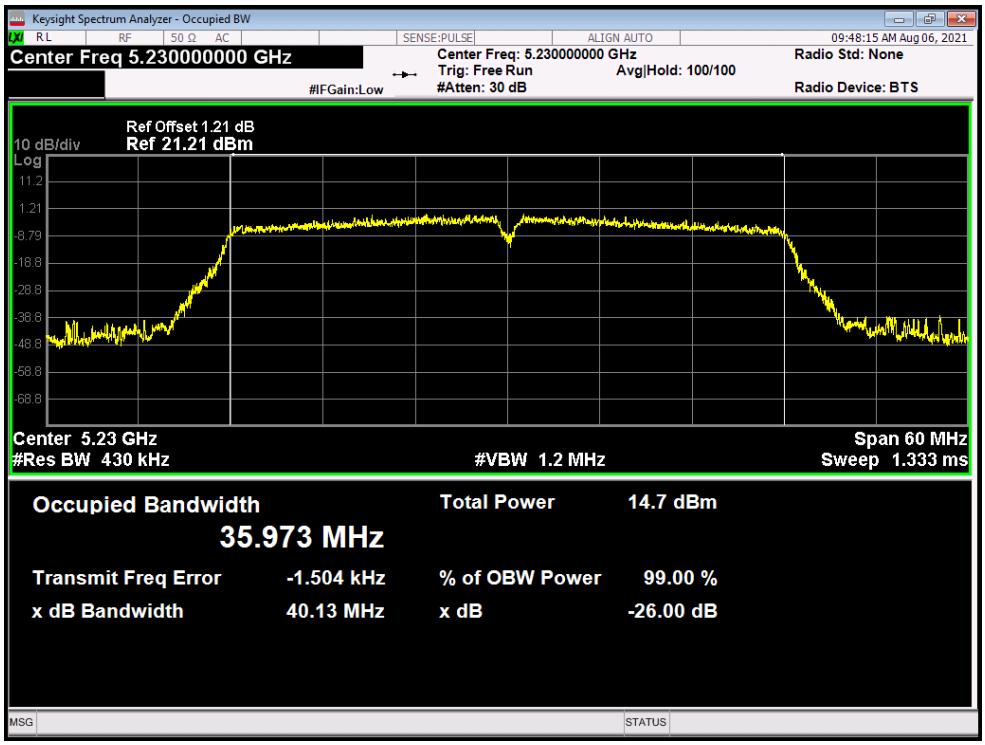
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



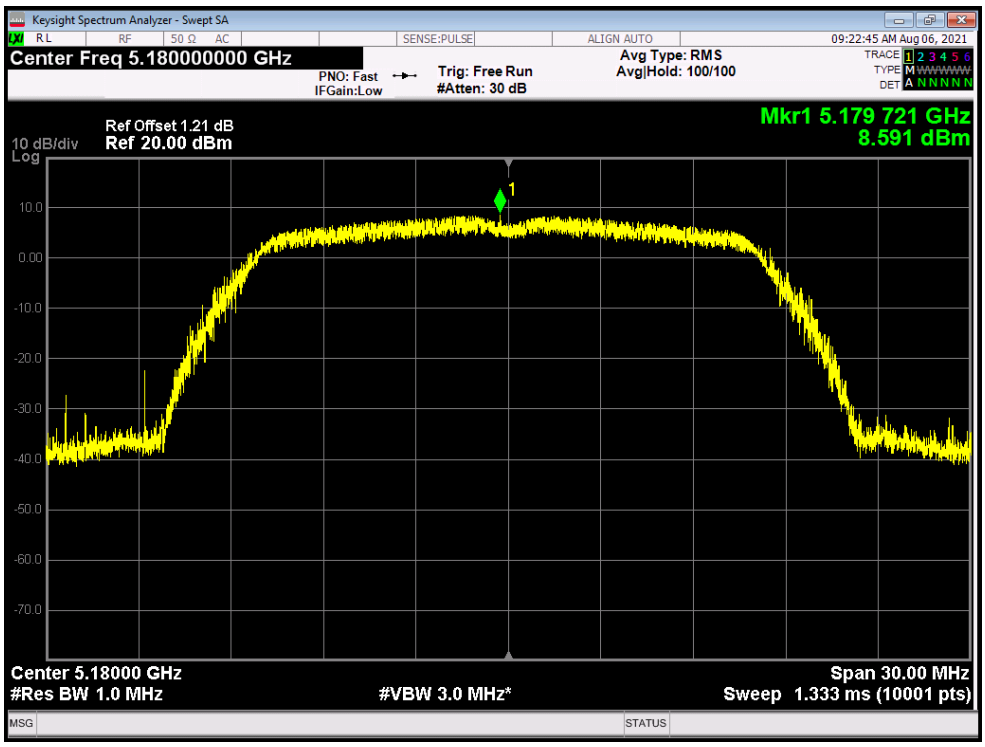
OBW NVNT n40 5230MHz Ant1



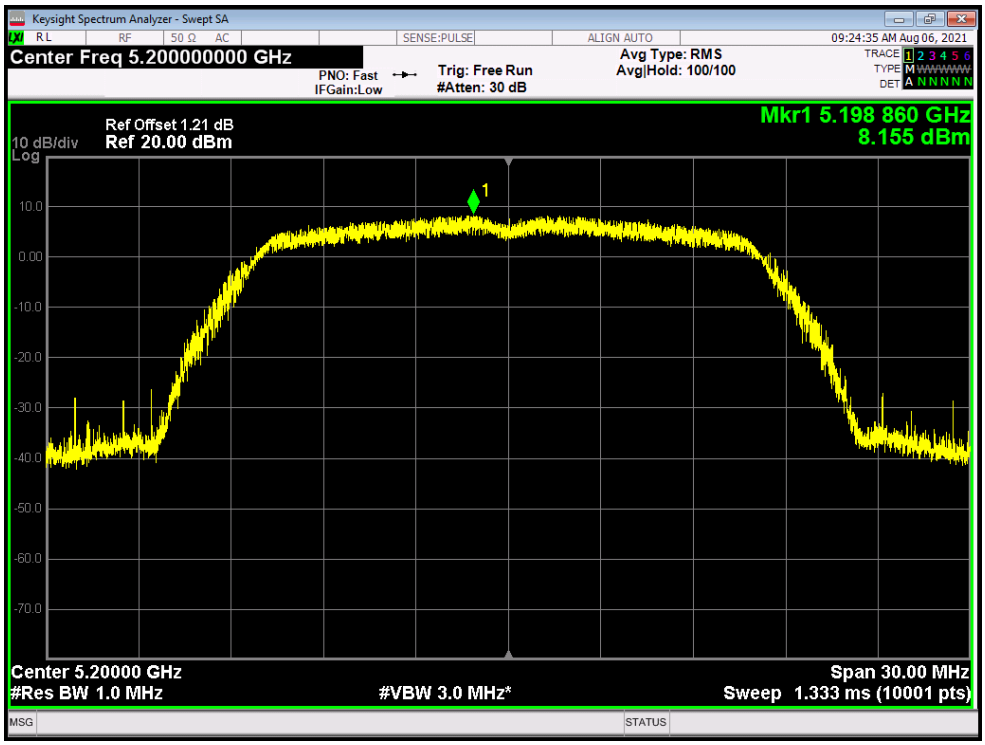
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	8.591	11	Pass
NVNT	a	5200	Ant1	8.155	11	Pass
NVNT	a	5240	Ant1	9.067	11	Pass
NVNT	ac20	5180	Ant1	7.117	11	Pass
NVNT	ac20	5200	Ant1	7.599	11	Pass
NVNT	ac20	5240	Ant1	7.02	11	Pass
NVNT	ac40	5190	Ant1	3.544	11	Pass
NVNT	ac40	5230	Ant1	3.867	11	Pass
NVNT	ac80	5210	Ant1	1.485	11	Pass
NVNT	n20	5180	Ant1	7.945	11	Pass
NVNT	n20	5200	Ant1	6.968	11	Pass
NVNT	n20	5240	Ant1	8.108	11	Pass
NVNT	n40	5190	Ant1	3.61	11	Pass
NVNT	n40	5230	Ant1	4.126	11	Pass

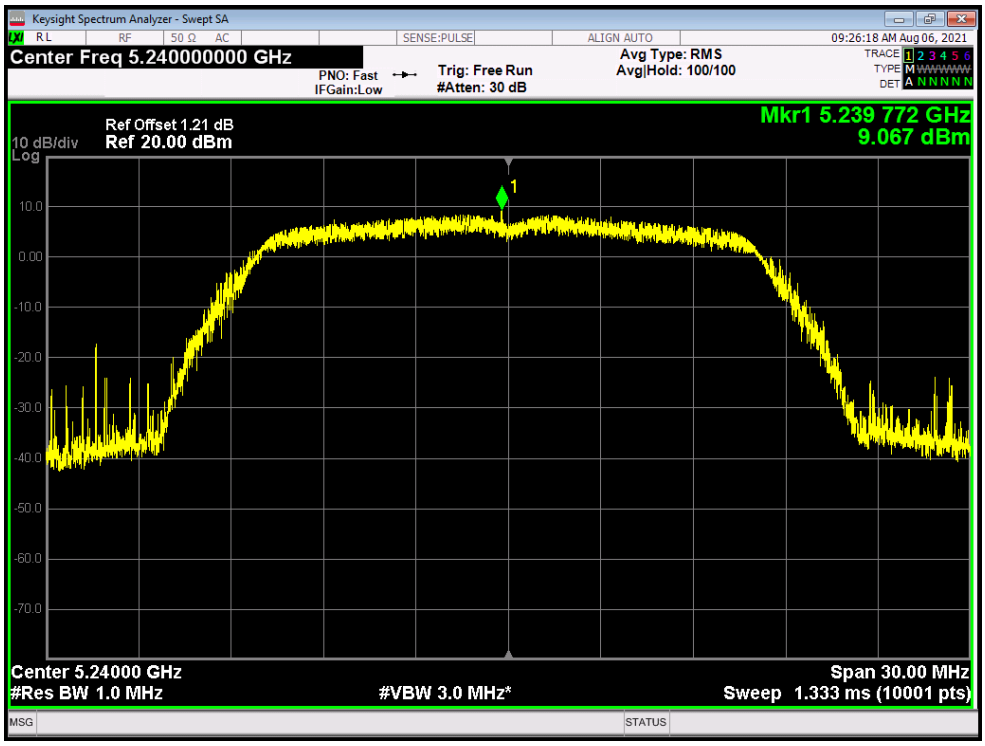
PSD NVNT a 5180MHz Ant1



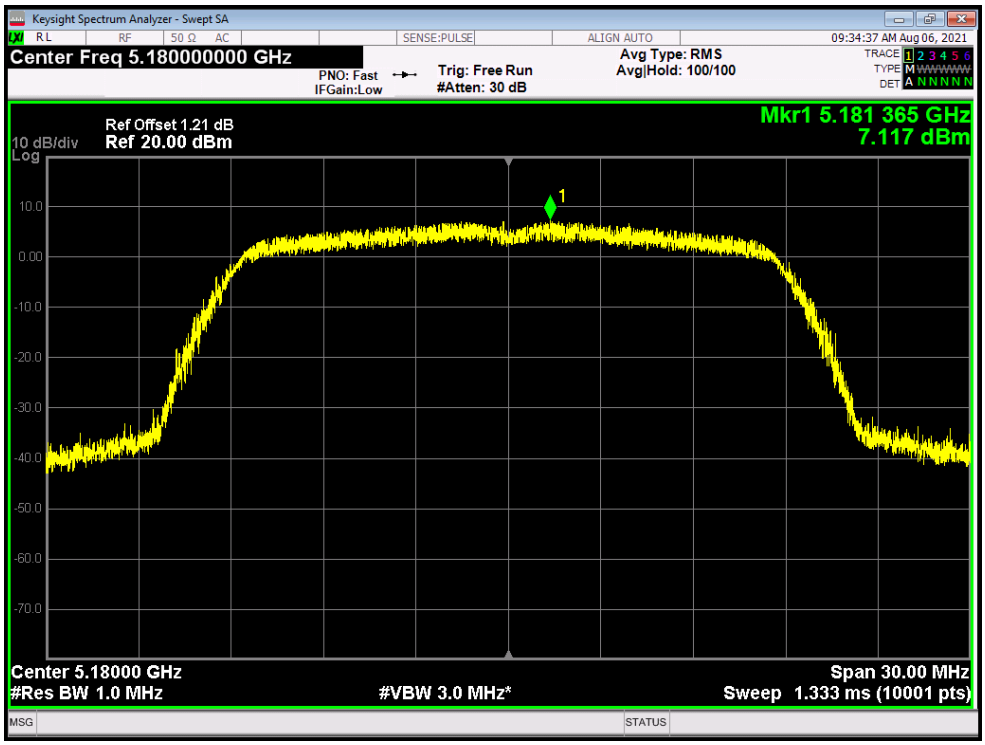
PSD NVNT a 5200MHz Ant1



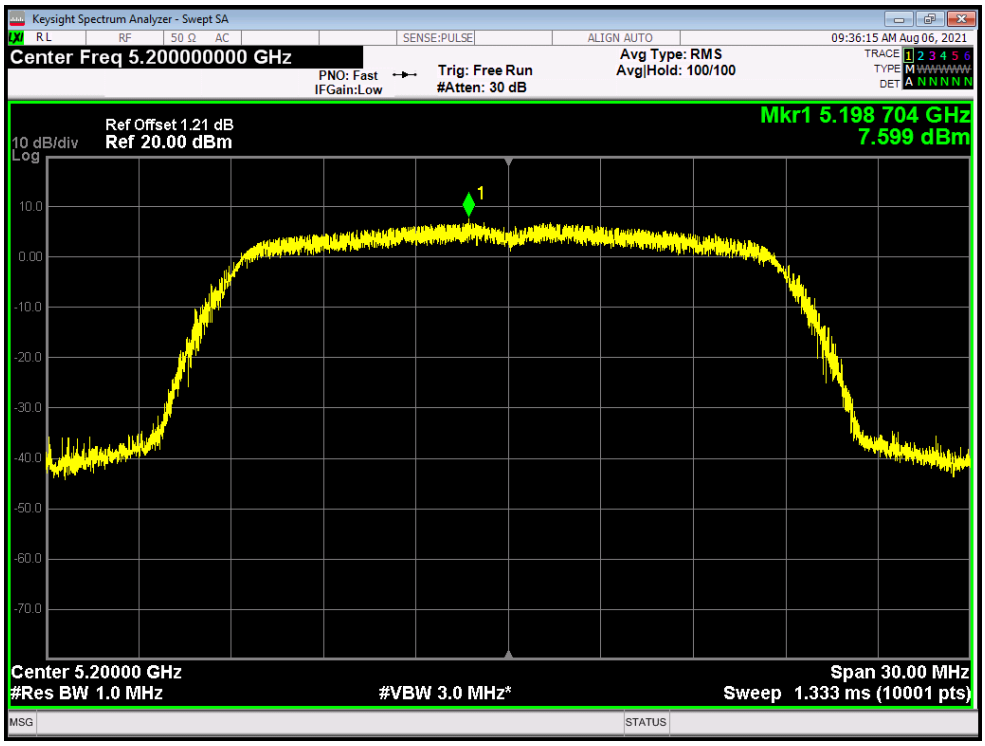
PSD NVNT a 5240MHz Ant1



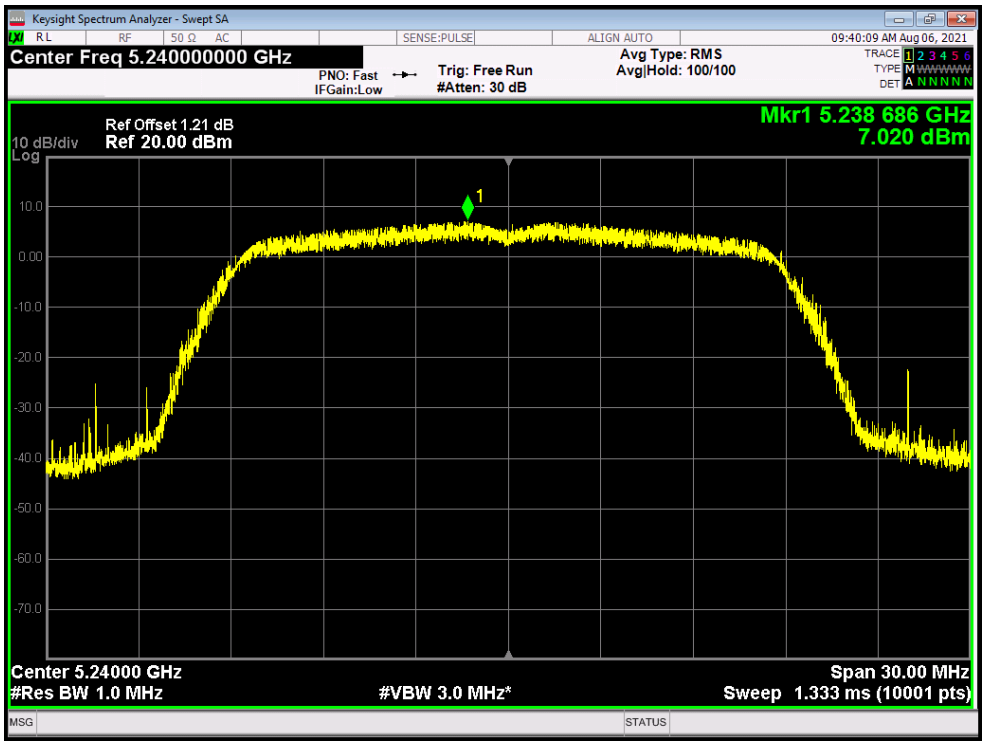
PSD NVNT ac20 5180MHz Ant1



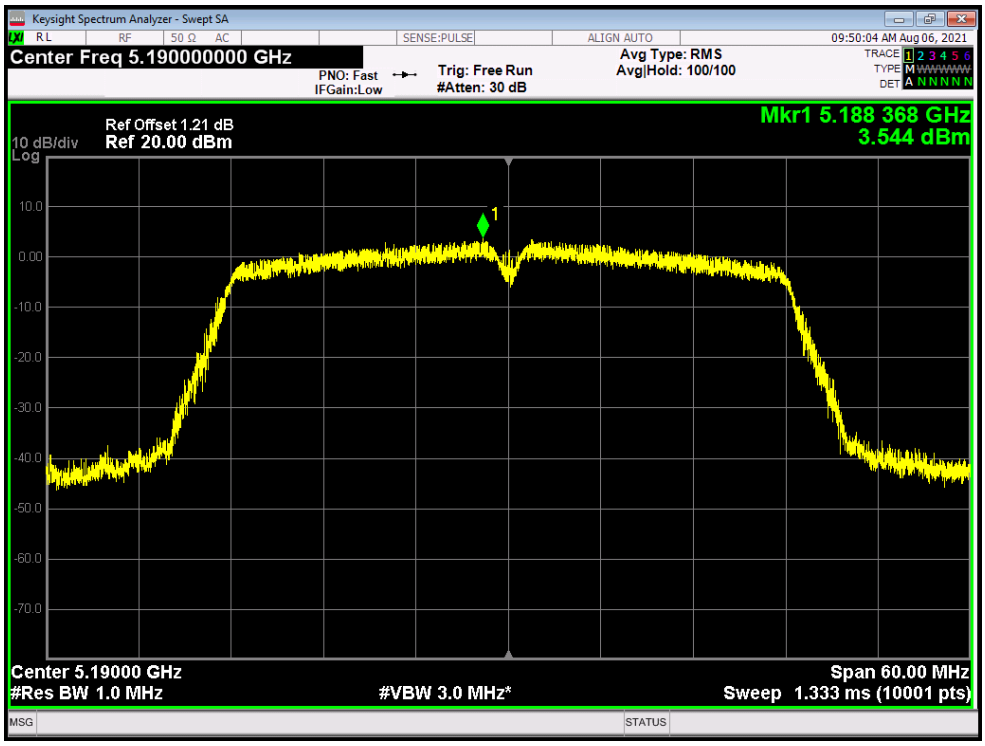
PSD NVNT ac20 5200MHz Ant1



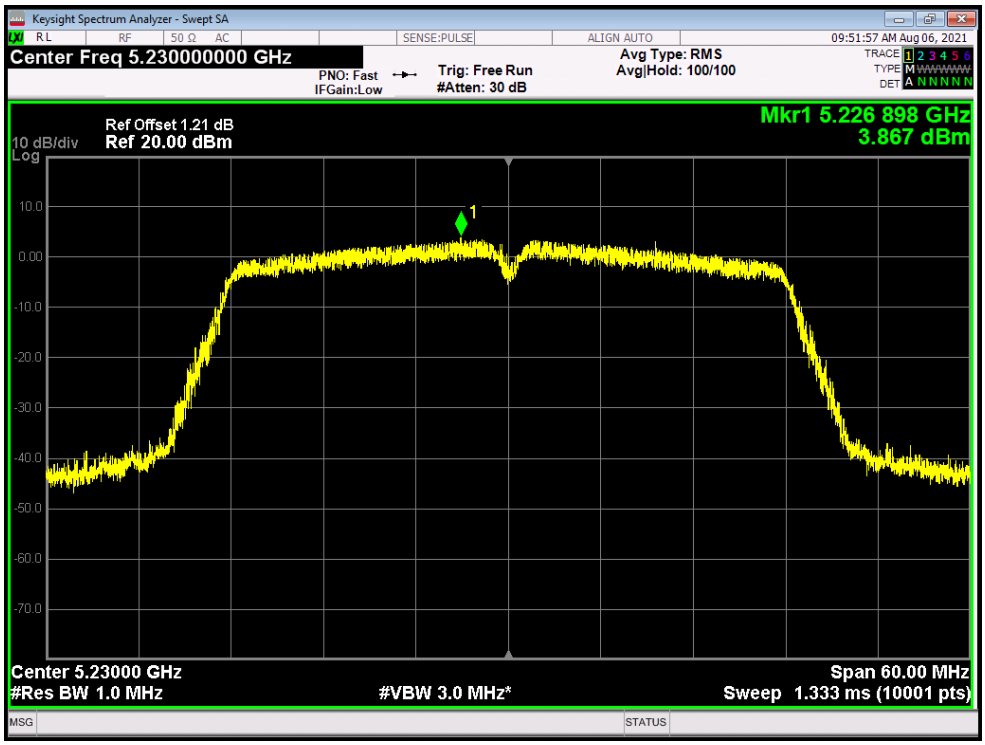
PSD NVNT ac20 5240MHz Ant1



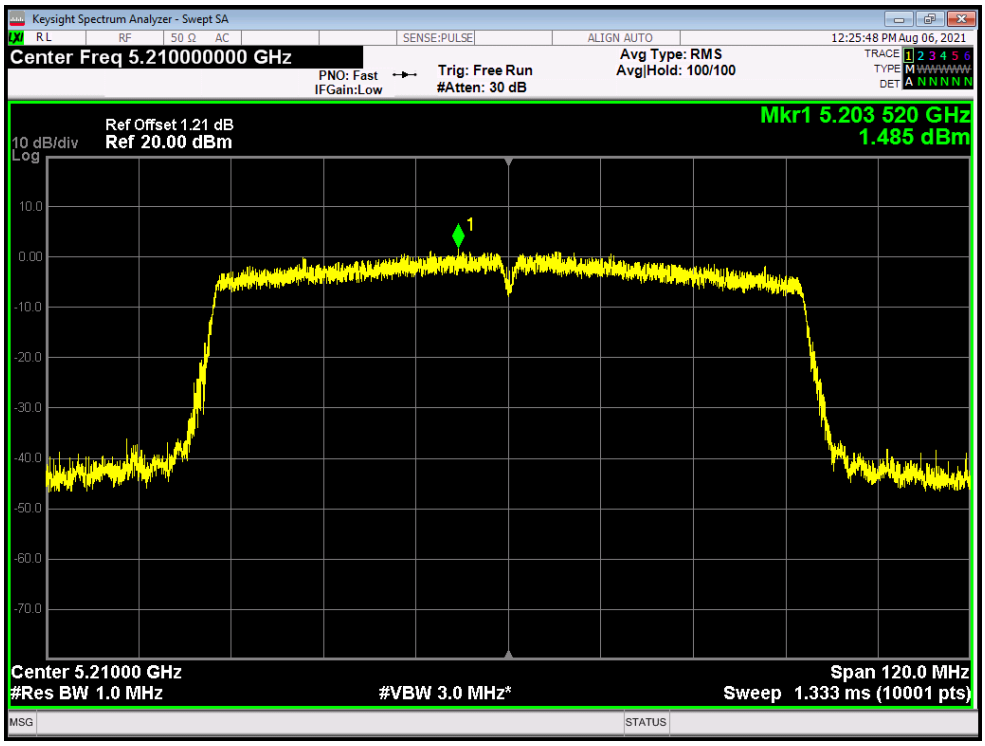
PSD NVNT ac40 5190MHz Ant1



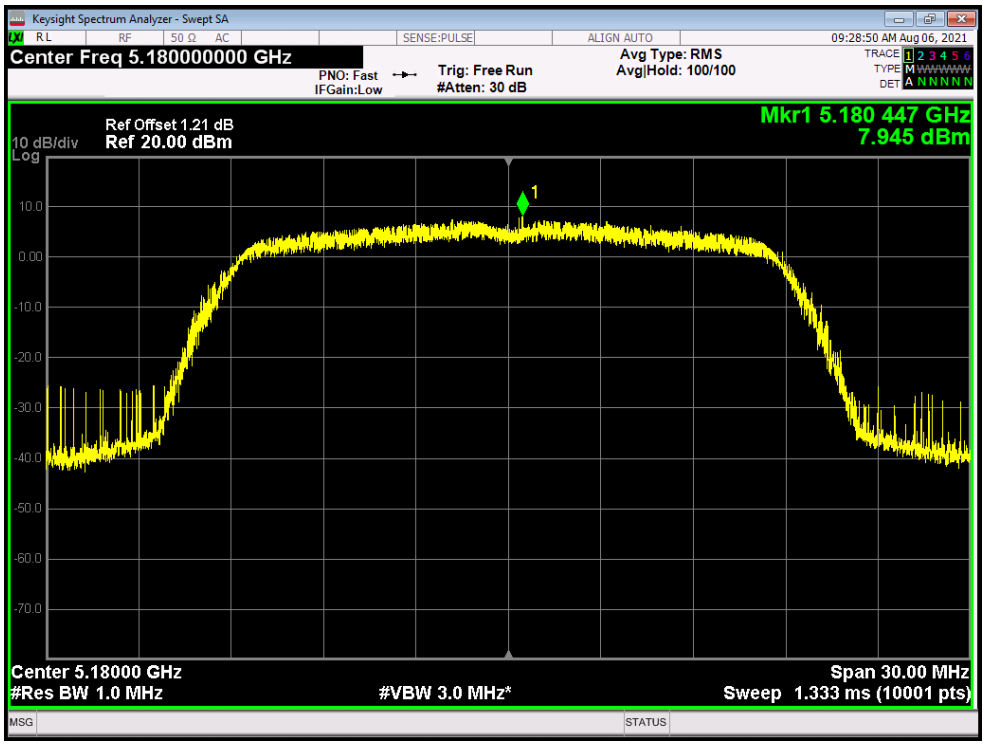
PSD NVNT ac40 5230MHz Ant1



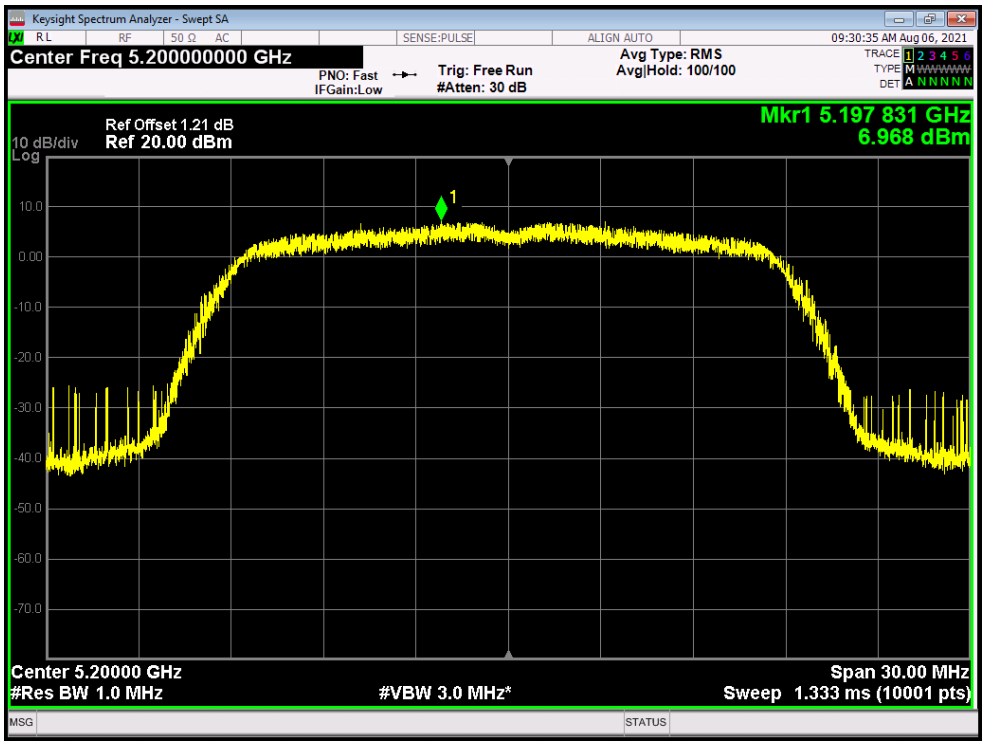
PSD NVNT ac80 5210MHz Ant1



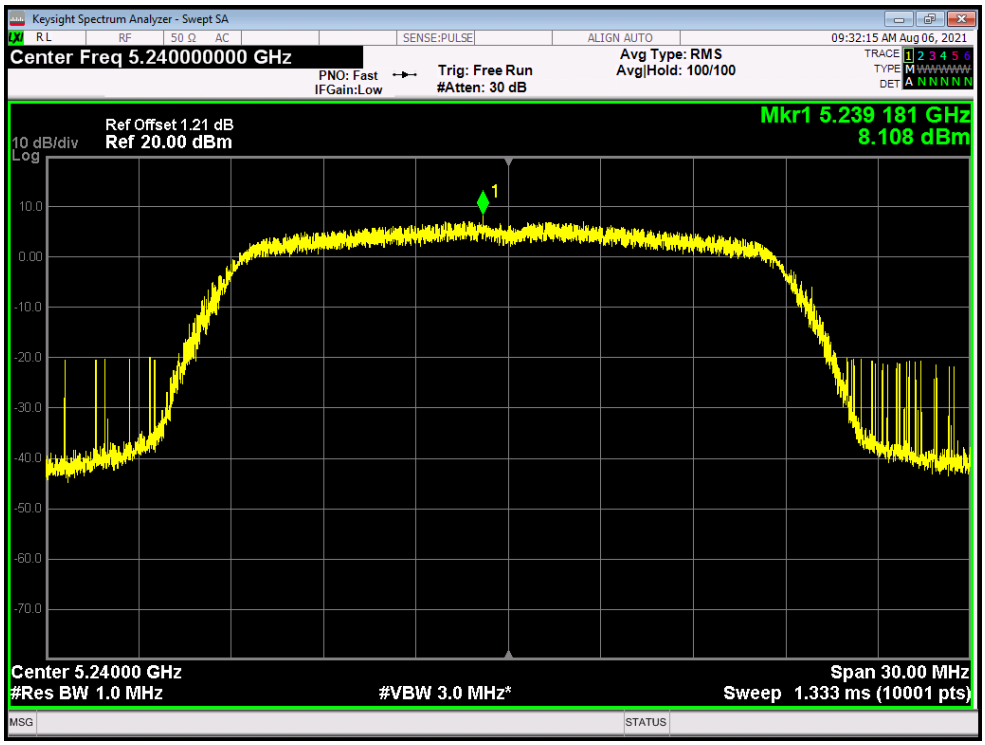
PSD NVNT n20 5180MHz Ant1



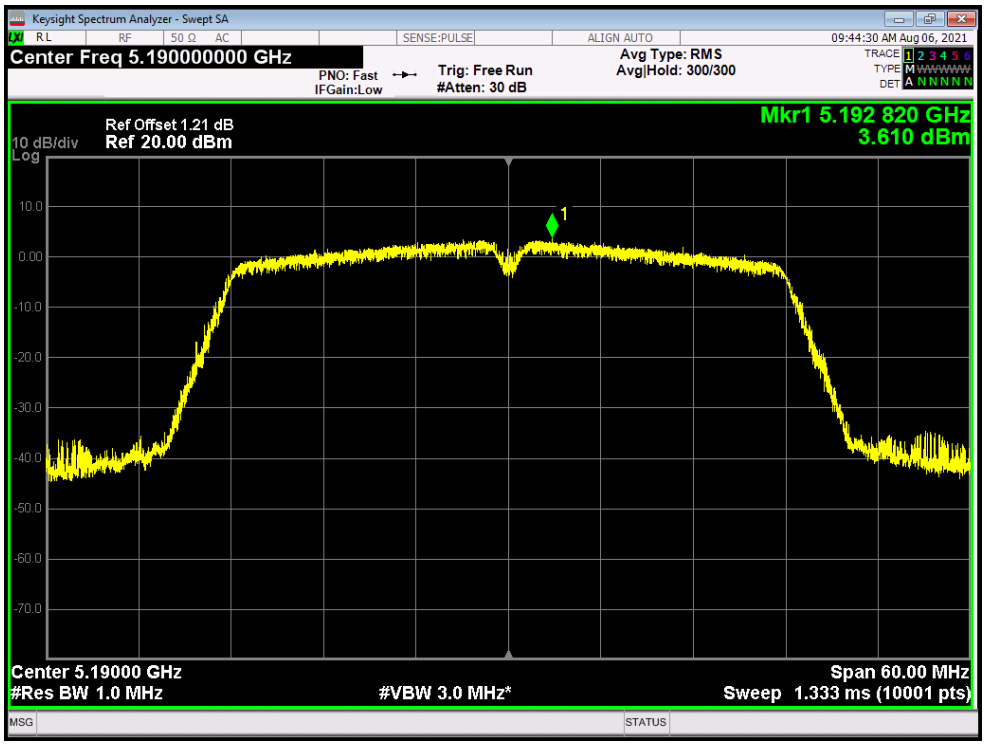
PSD NVNT n20 5200MHz Ant1



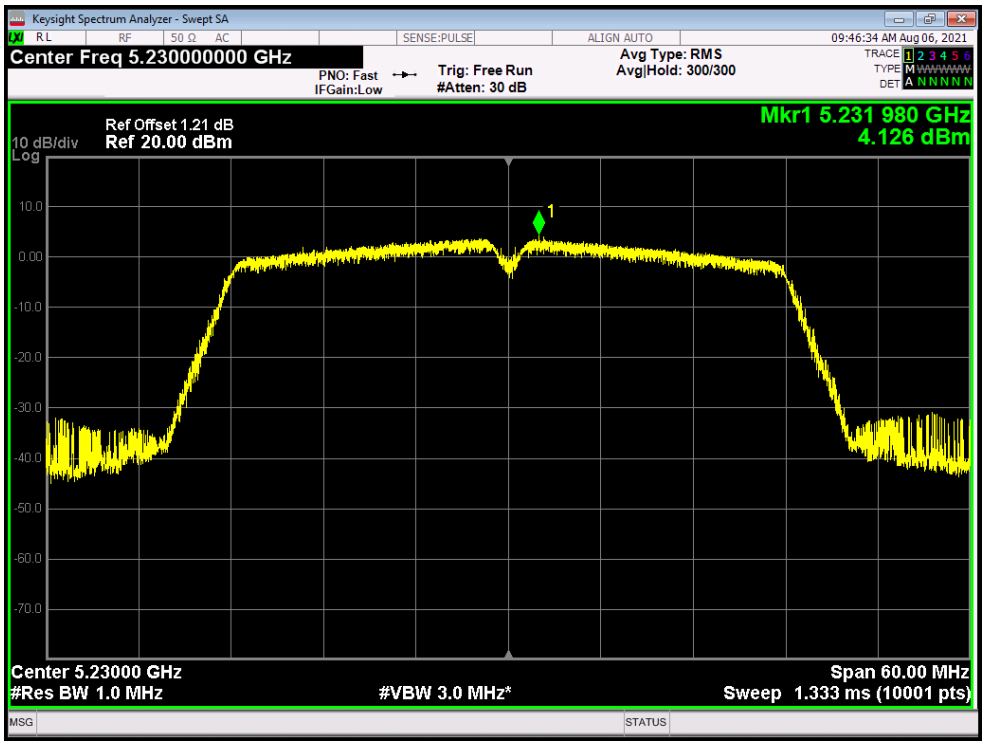
PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



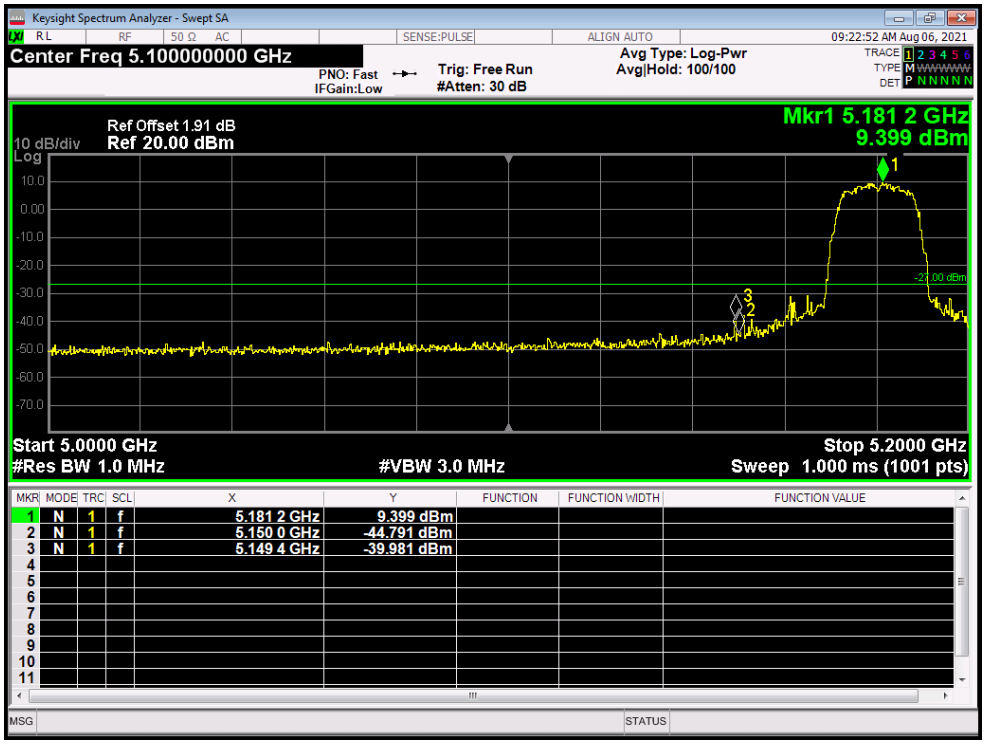
PSD NVNT n40 5230MHz Ant1



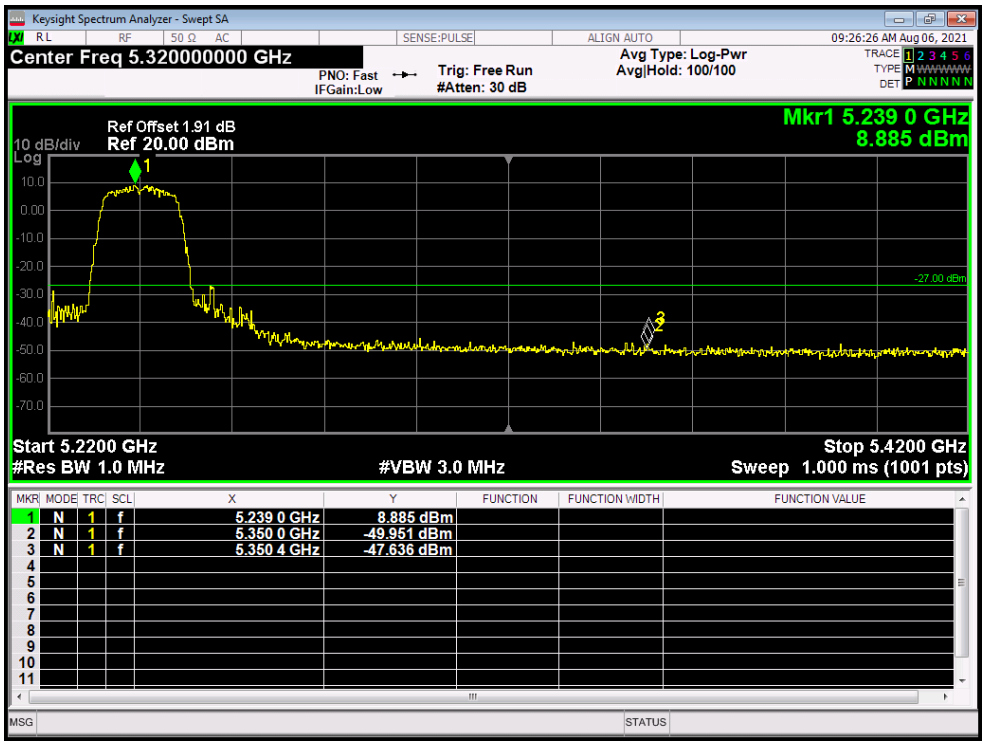
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-39.98	-27	Pass
NVNT	a	5240	Ant1	-47.63	-27	Pass
NVNT	ac20	5180	Ant1	-44.36	-27	Pass
NVNT	ac20	5240	Ant1	-48.3	-27	Pass
NVNT	ac40	5190	Ant1	-42.09	-27	Pass
NVNT	ac40	5230	Ant1	-54.62	-27	Pass
NVNT	ac80	5210	Ant1	-45.4	-27	Pass
NVNT	n20	5180	Ant1	-44.76	-27	Pass
NVNT	n20	5240	Ant1	-48.51	-27	Pass
NVNT	n40	5190	Ant1	-41.13	-27	Pass
NVNT	n40	5230	Ant1	-49.02	-27	Pass

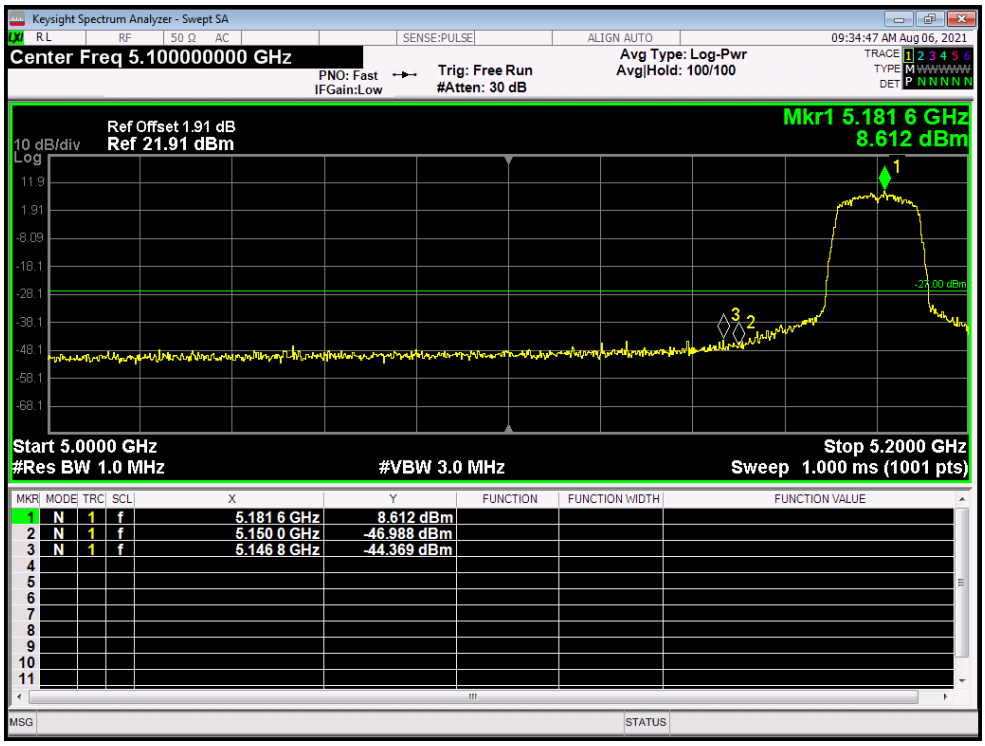
Band Edge NVNT a 5180MHz Low Ant1



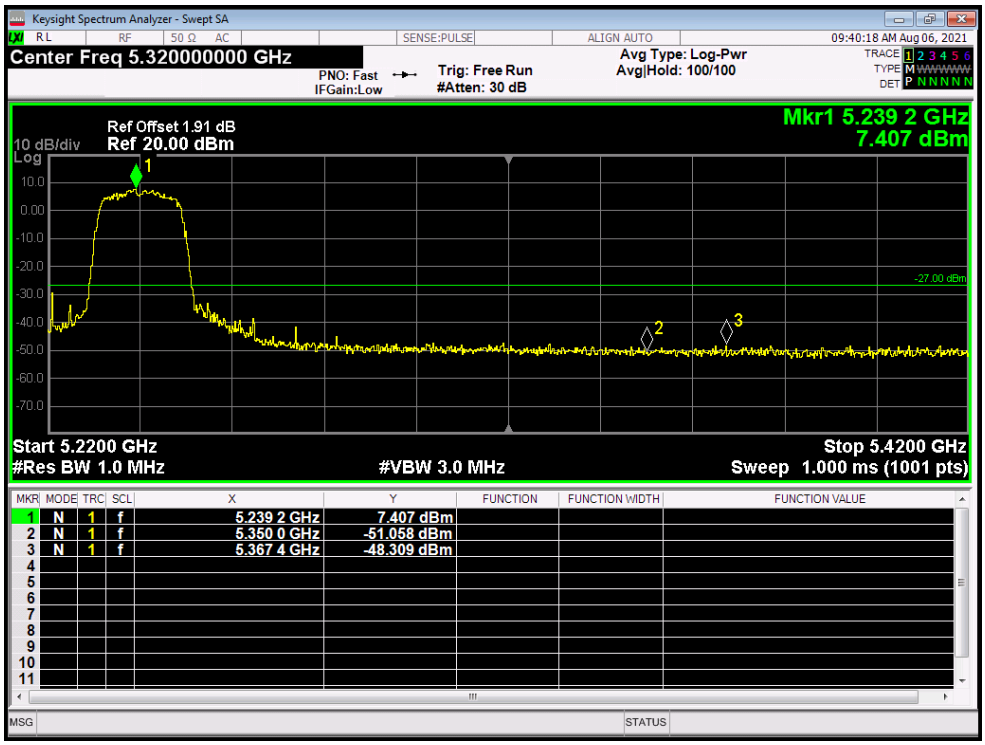
Band Edge NVNT a 5240MHz High Ant1



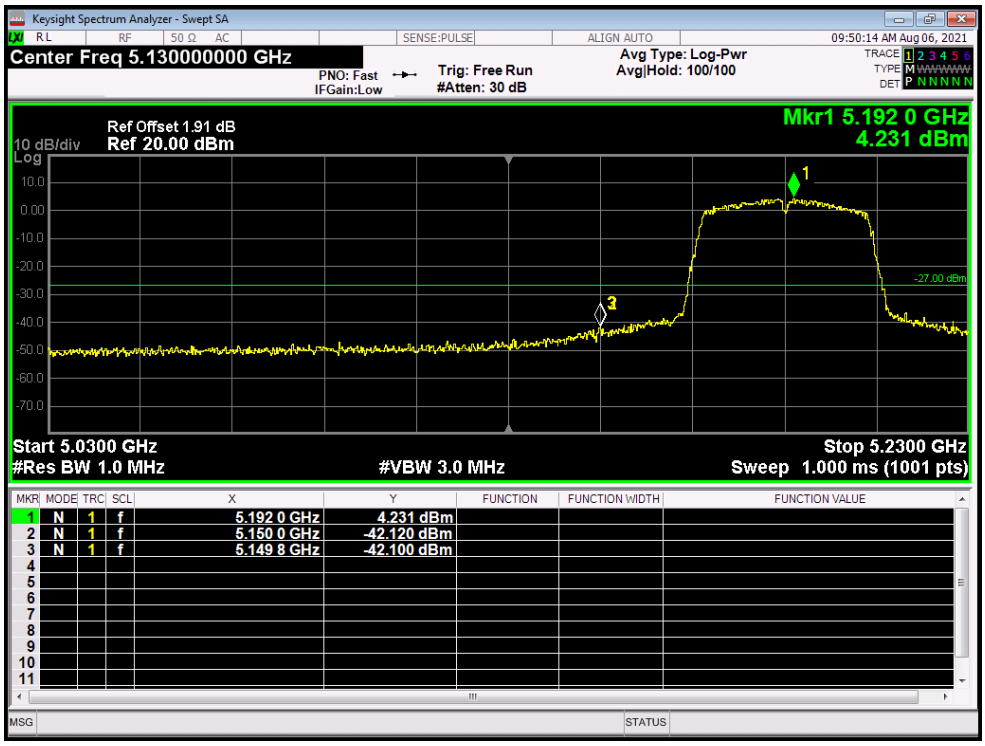
Band Edge NVNT ac20 5180MHz Low Ant1



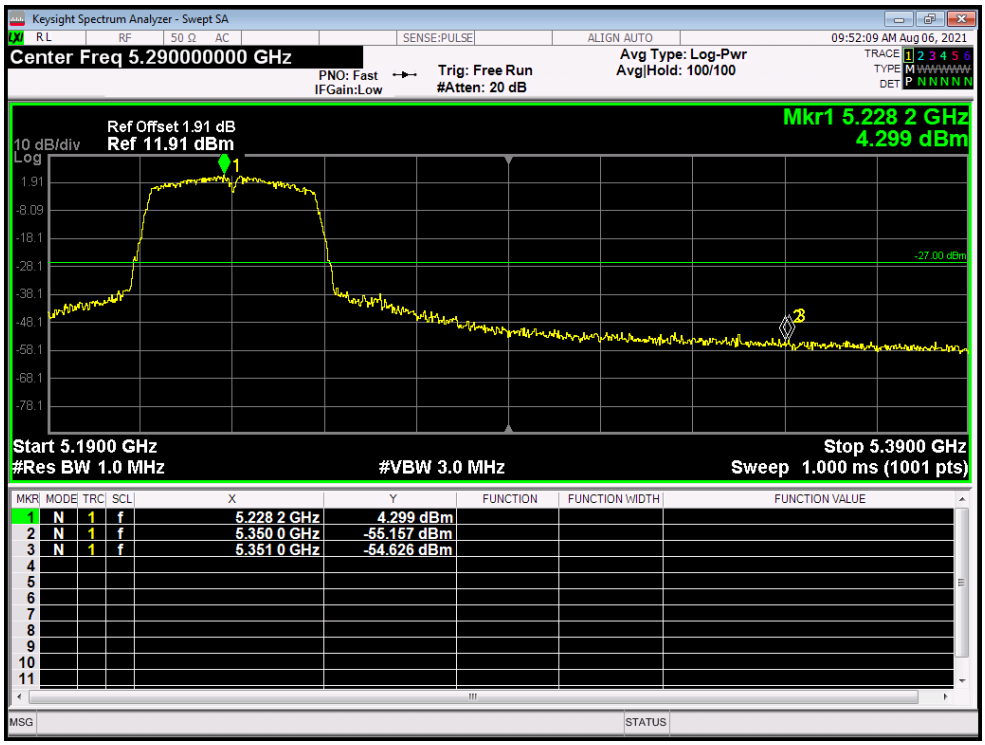
Band Edge NVNT ac20 5240MHz High Ant1



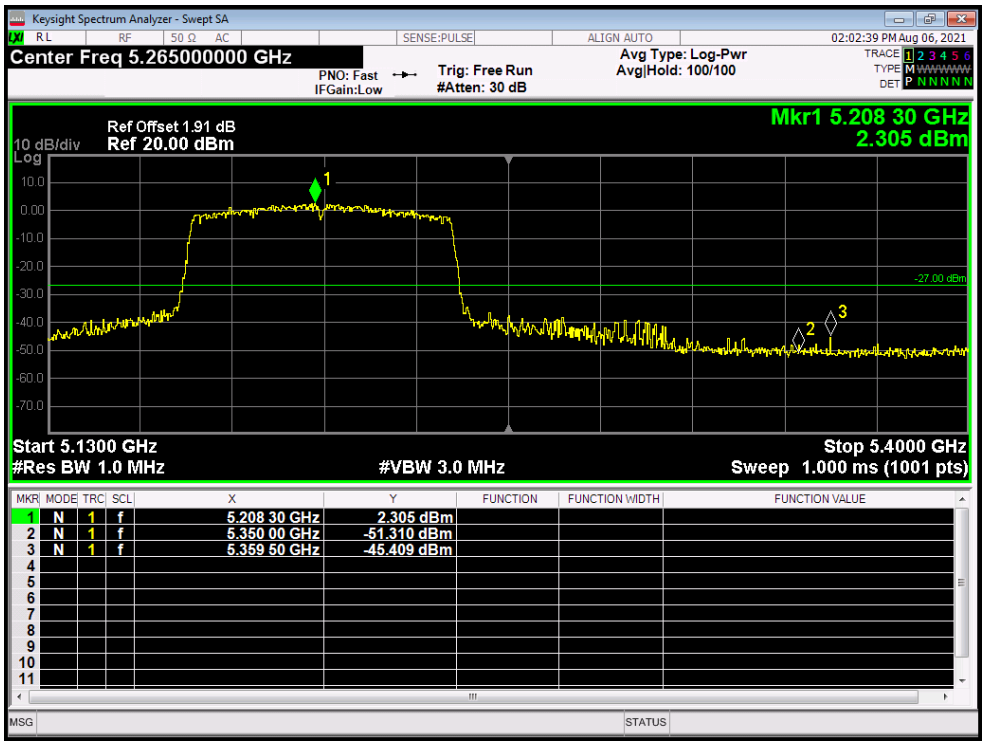
Band Edge NVNT ac40 5190MHz Low Ant1



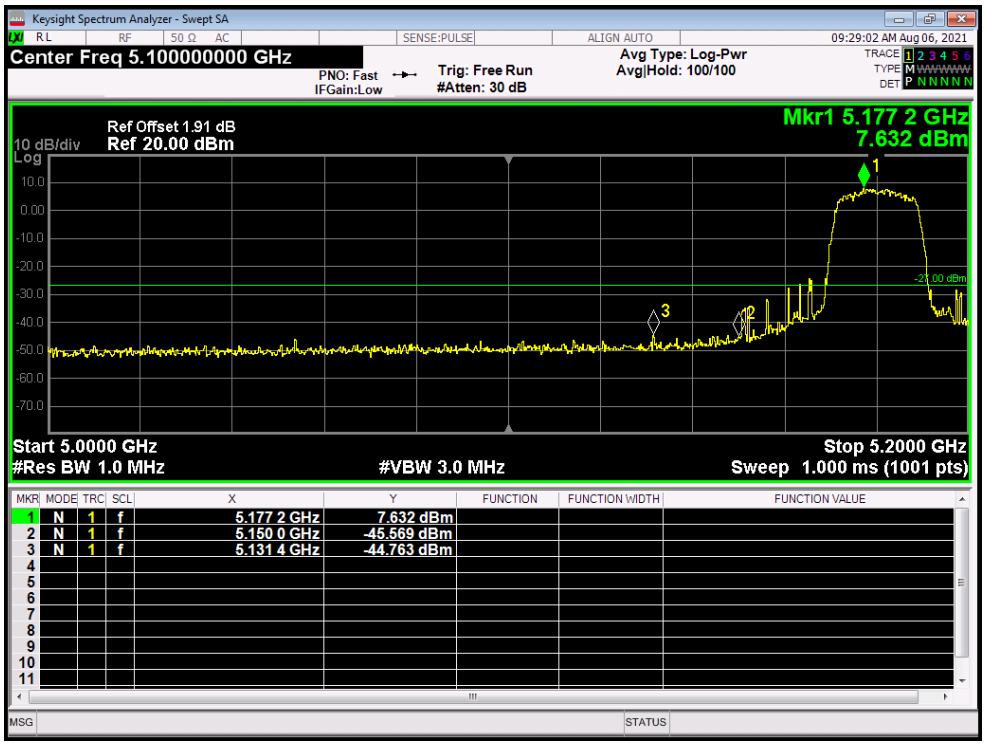
Band Edge NVNT ac40 5230MHz High Ant1



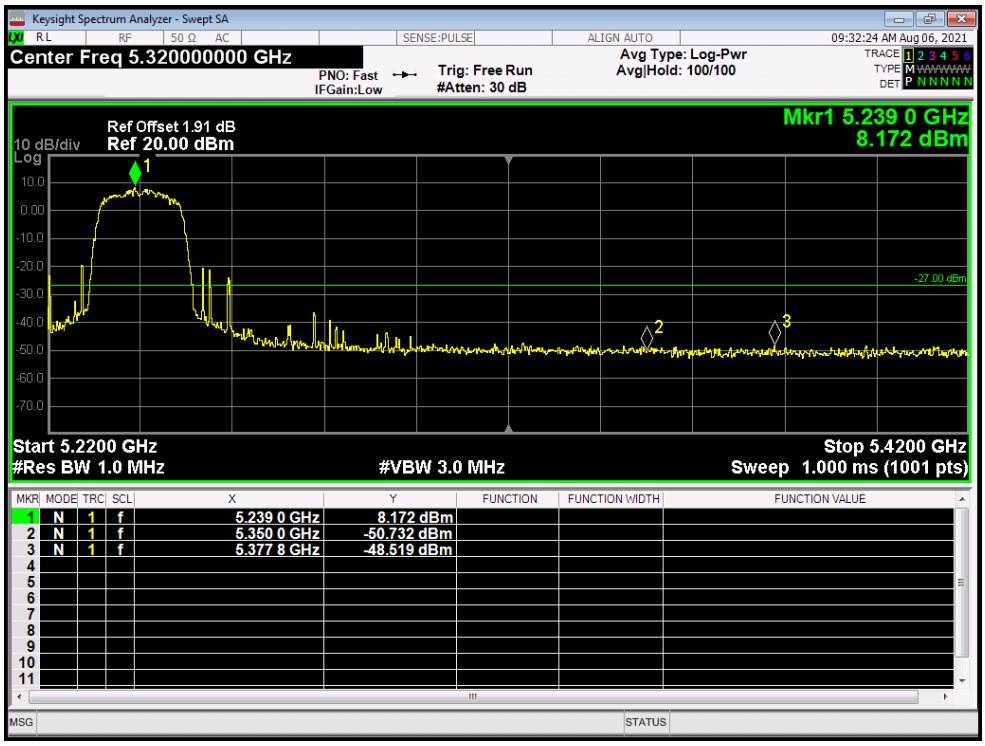
Band Edge NVNT ac80 5210MHz High Ant1



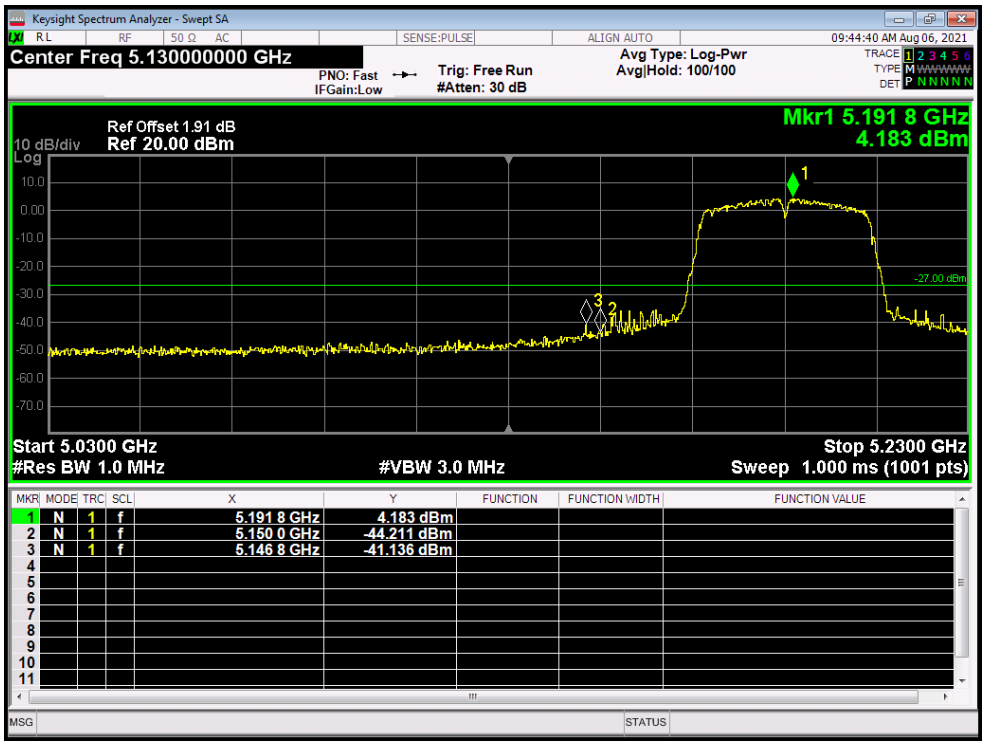
Band Edge NVNT n20 5180MHz Low Ant1



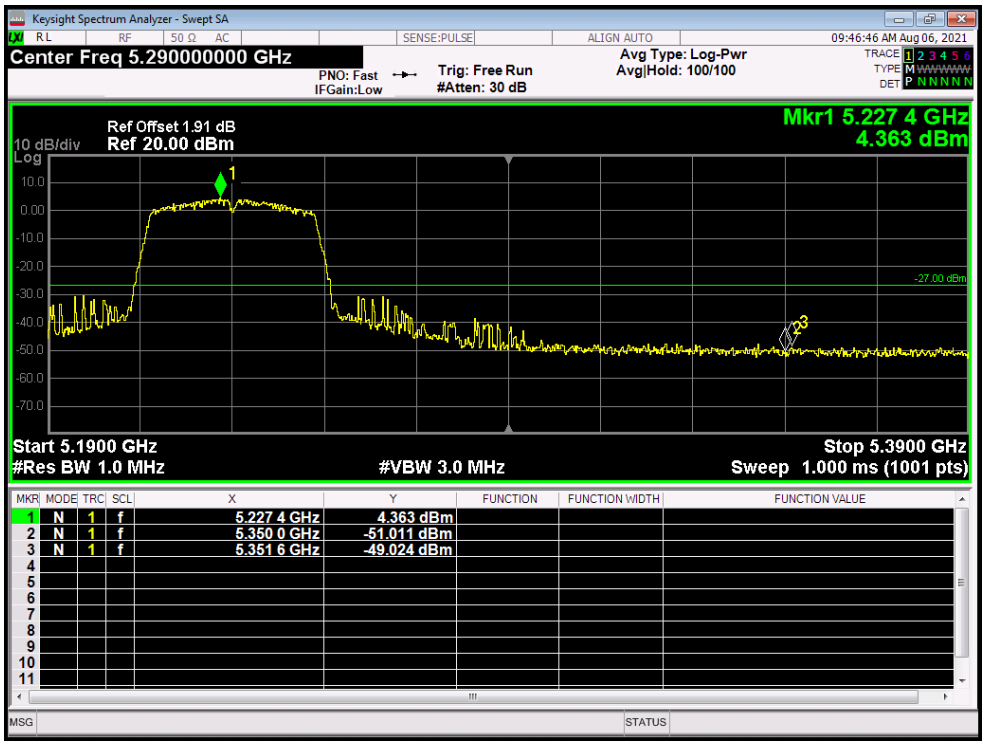
Band Edge NVNT n20 5240MHz High Ant1



Band Edge NVNT n40 5190MHz Low Ant1



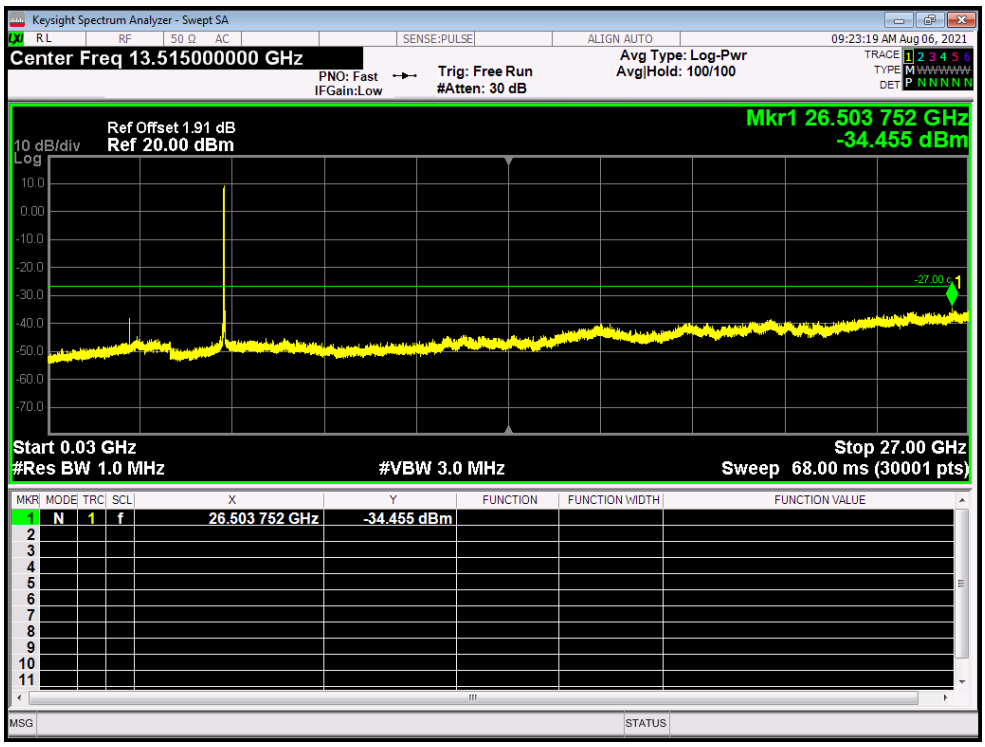
Band Edge NVNT n40 5230MHz High Ant1



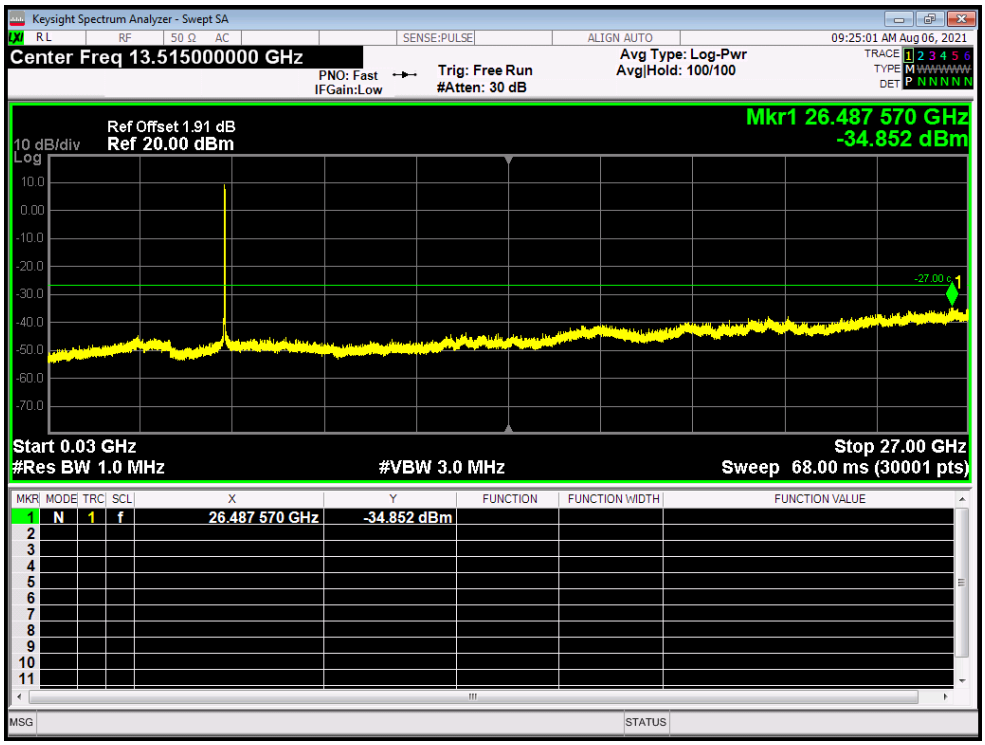
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-34.45	-27	Pass
NVNT	a	5200	Ant1	-34.85	-27	Pass
NVNT	a	5240	Ant1	-35.07	-27	Pass
NVNT	ac20	5180	Ant1	-42.59	-27	Pass
NVNT	ac20	5200	Ant1	-44.62	-27	Pass
NVNT	ac20	5240	Ant1	-45.28	-27	Pass
NVNT	ac40	5190	Ant1	-43.73	-27	Pass
NVNT	ac40	5230	Ant1	-43.02	-27	Pass
NVNT	ac80	5210	Ant1	-44.96	-27	Pass
NVNT	n20	5180	Ant1	-35.07	-27	Pass
NVNT	n20	5200	Ant1	-35.69	-27	Pass
NVNT	n20	5240	Ant1	-35.02	-27	Pass
NVNT	n40	5190	Ant1	-35.55	-27	Pass
NVNT	n40	5230	Ant1	-34.47	-27	Pass

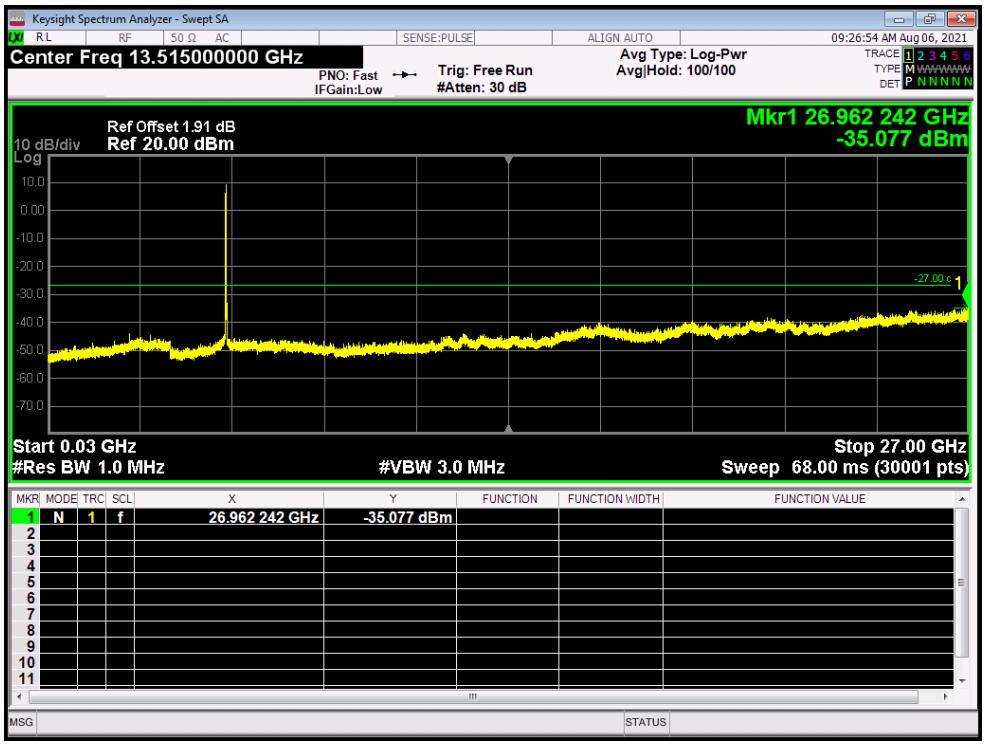
Tx. Spurious NVNT a 5180MHz Ant1 Emission



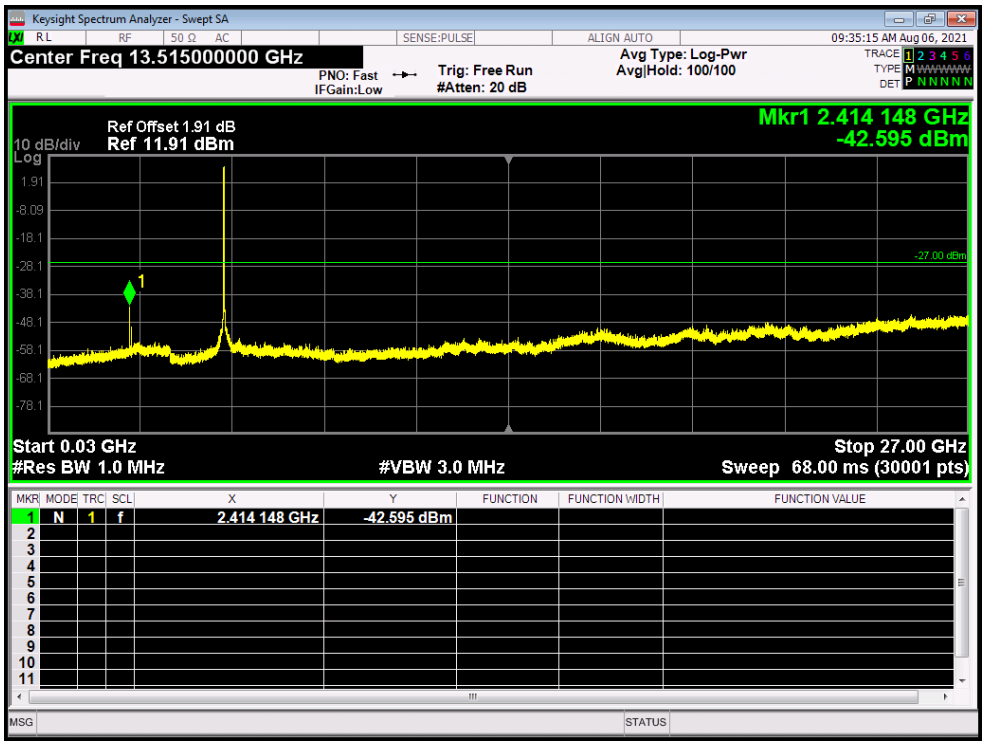
Tx. Spurious NVNT a 5200MHz Ant1 Emission



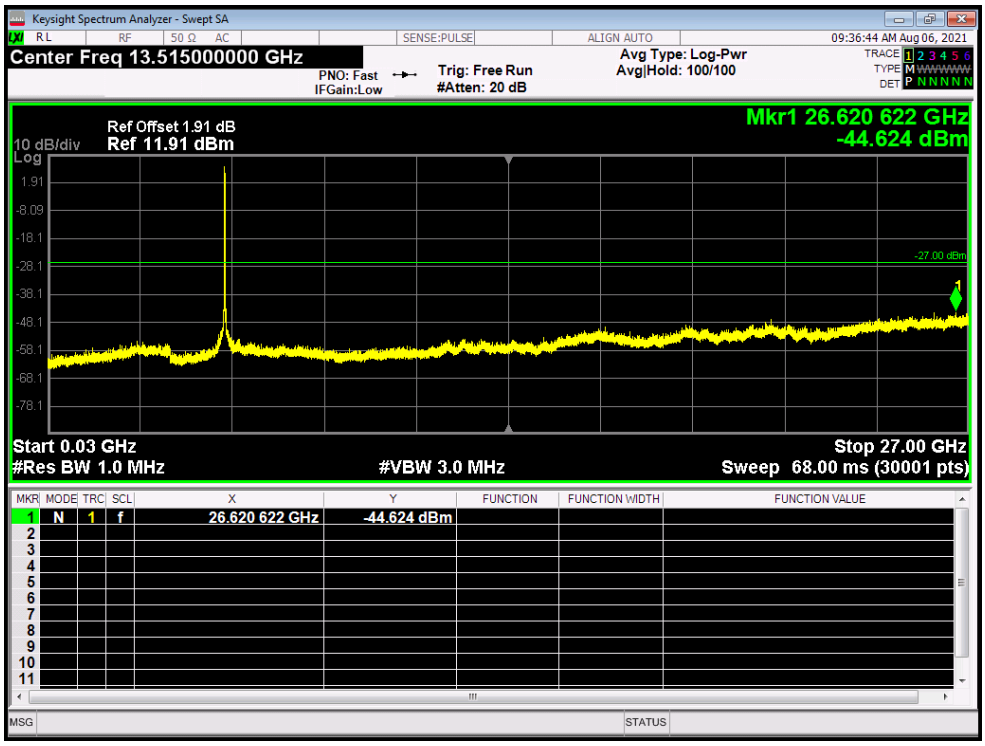
Tx. Spurious NVNT a 5240MHz Ant1 Emission



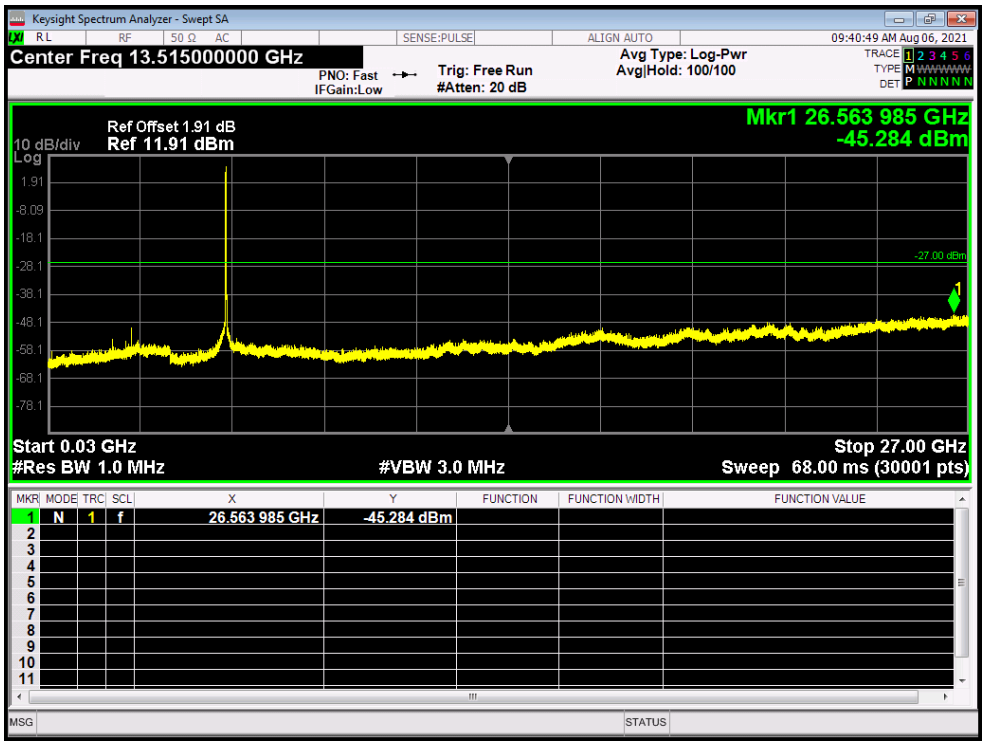
Tx. Spurious NVNT ac20 5180MHz Ant1 Emission



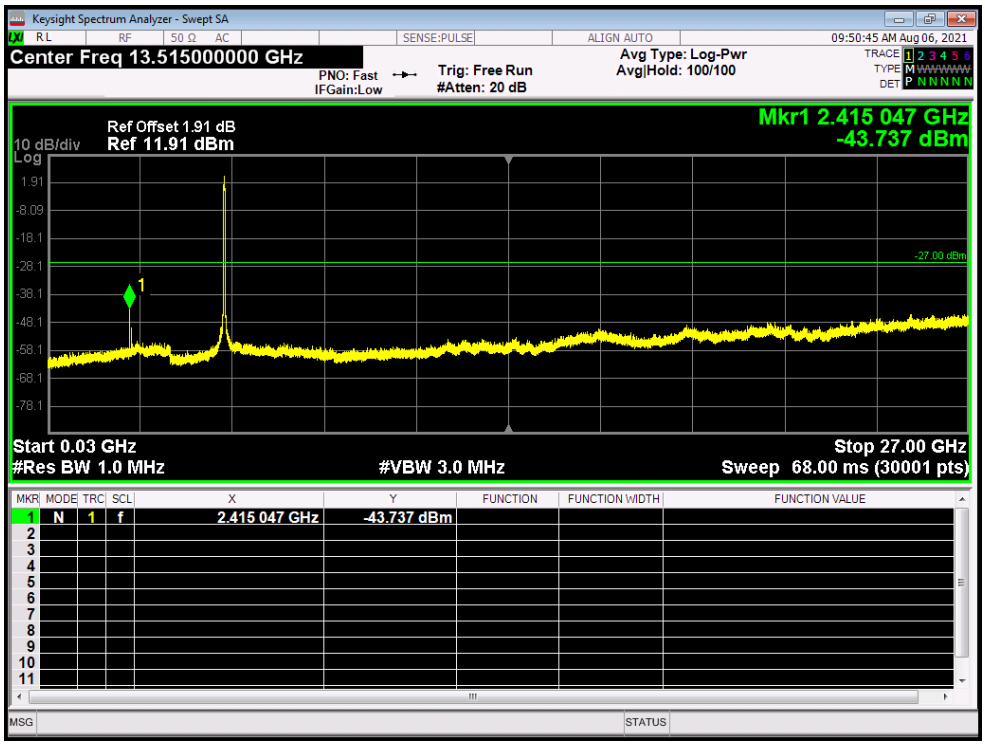
Tx. Spurious NVNT ac20 5200MHz Ant1 Emission



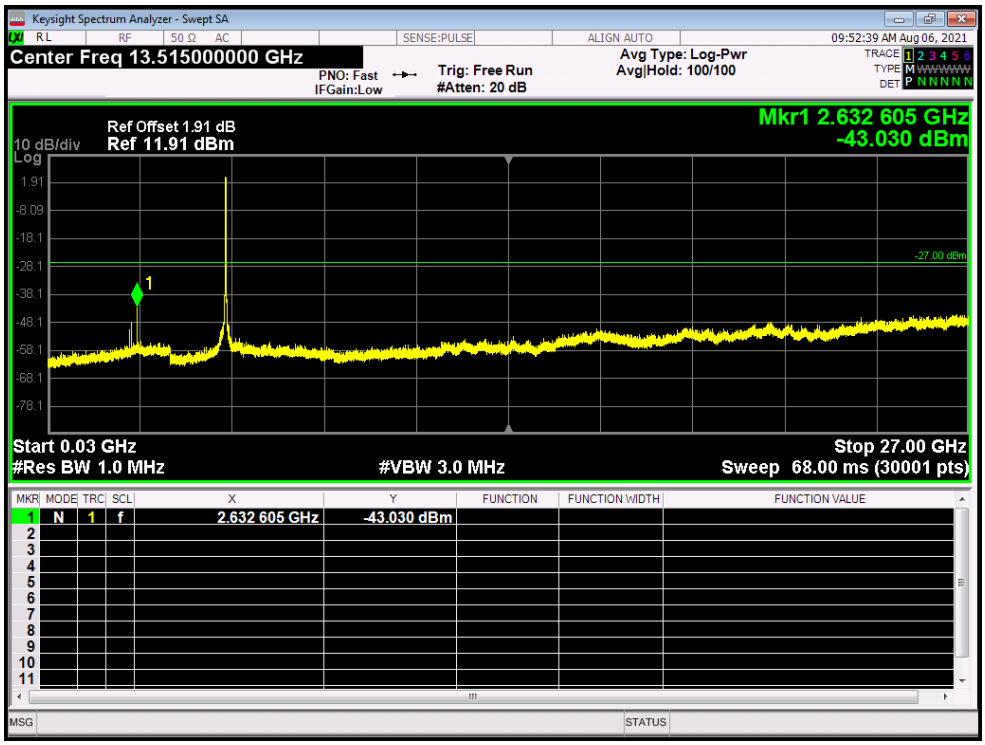
Tx. Spurious NVNT ac20 5240MHz Ant1 Emission



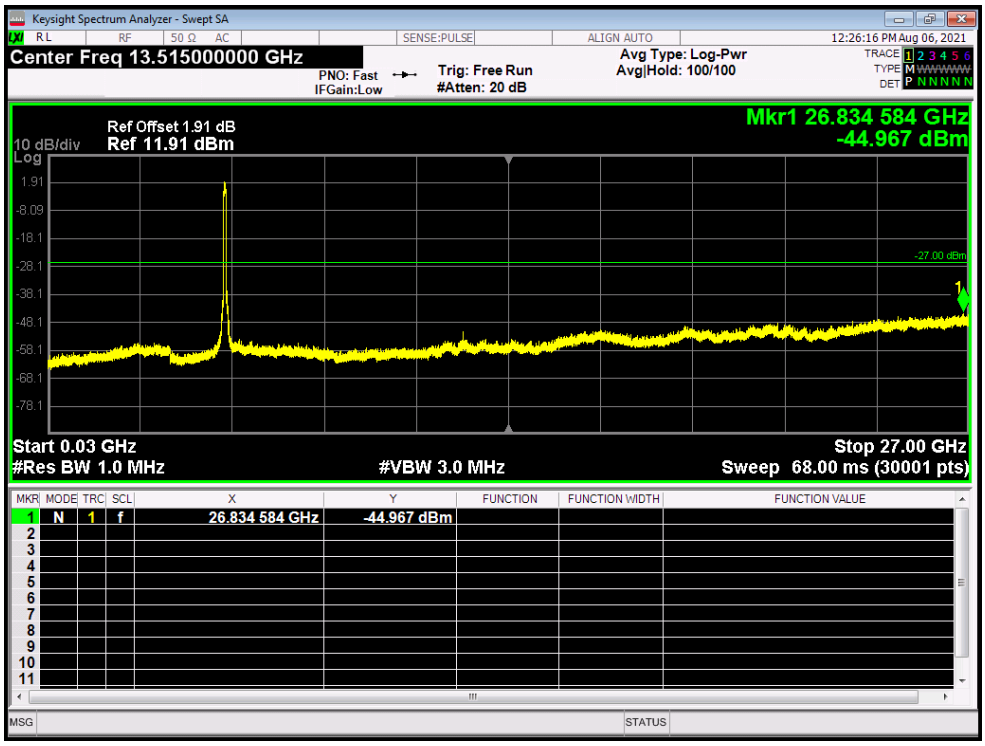
Tx. Spurious NVNT ac40 5190MHz Ant1 Emission



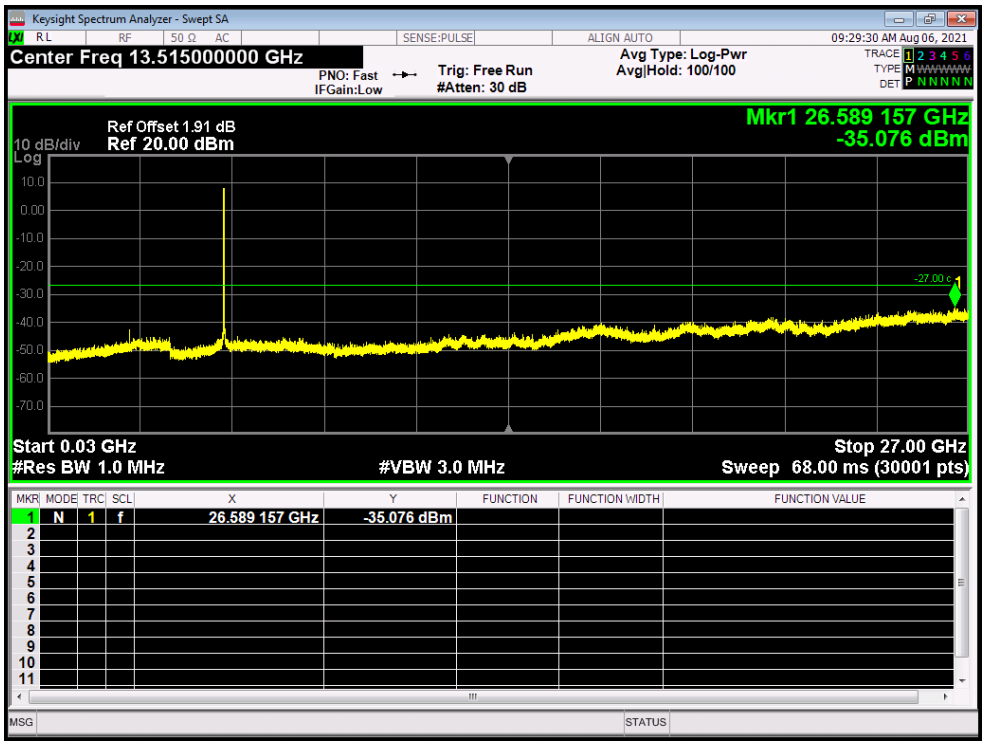
Tx. Spurious NVNT ac40 5230MHz Ant1 Emission



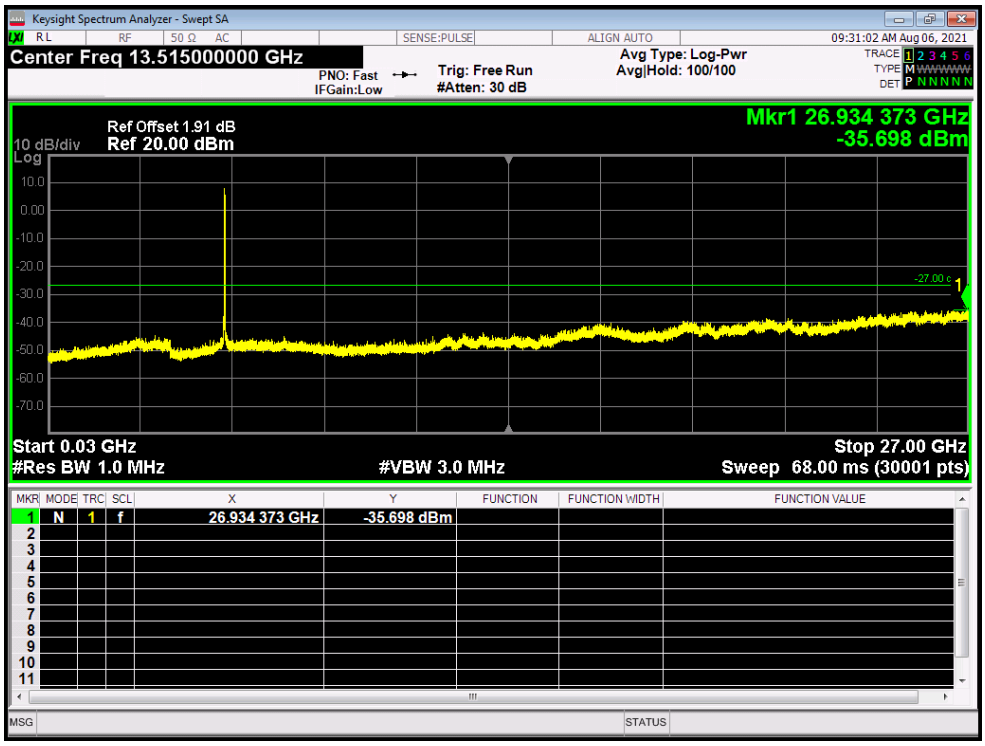
Tx. Spurious NVNT ac80 5210MHz Ant1 Emission



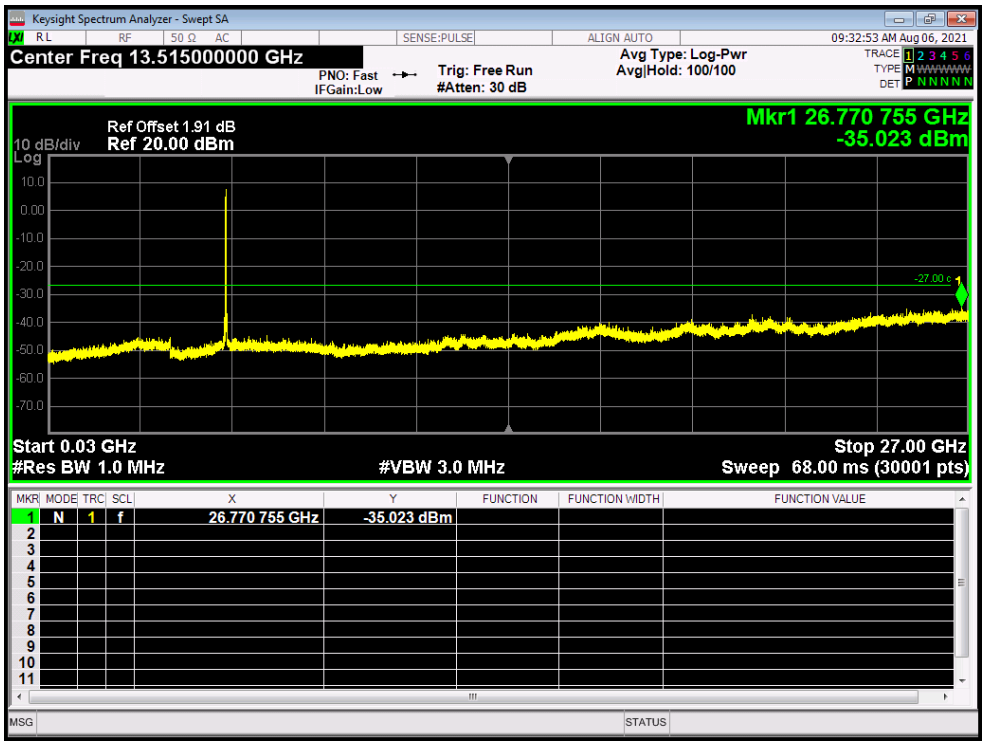
Tx. Spurious NVNT n20 5180MHz Ant1 Emission



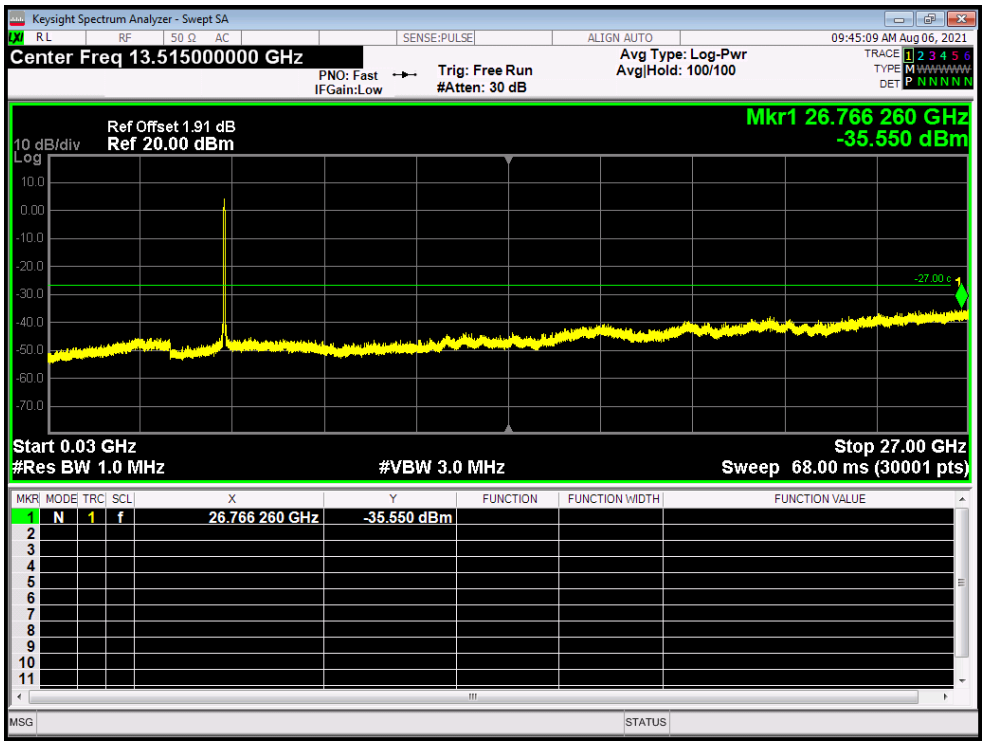
Tx. Spurious NVNT n20 5200MHz Ant1 Emission



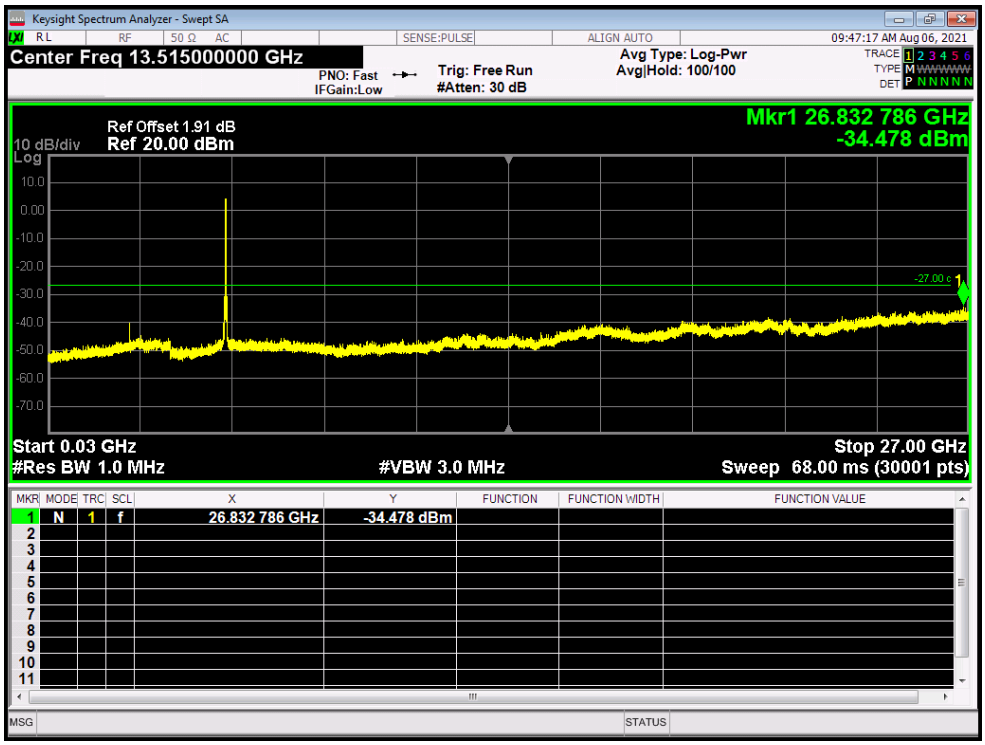
Tx. Spurious NVNT n20 5240MHz Ant1 Emission



Tx. Spurious NVNT n40 5190MHz Ant1 Emission



Tx. Spurious NVNT n40 5230MHz Ant1 Emission

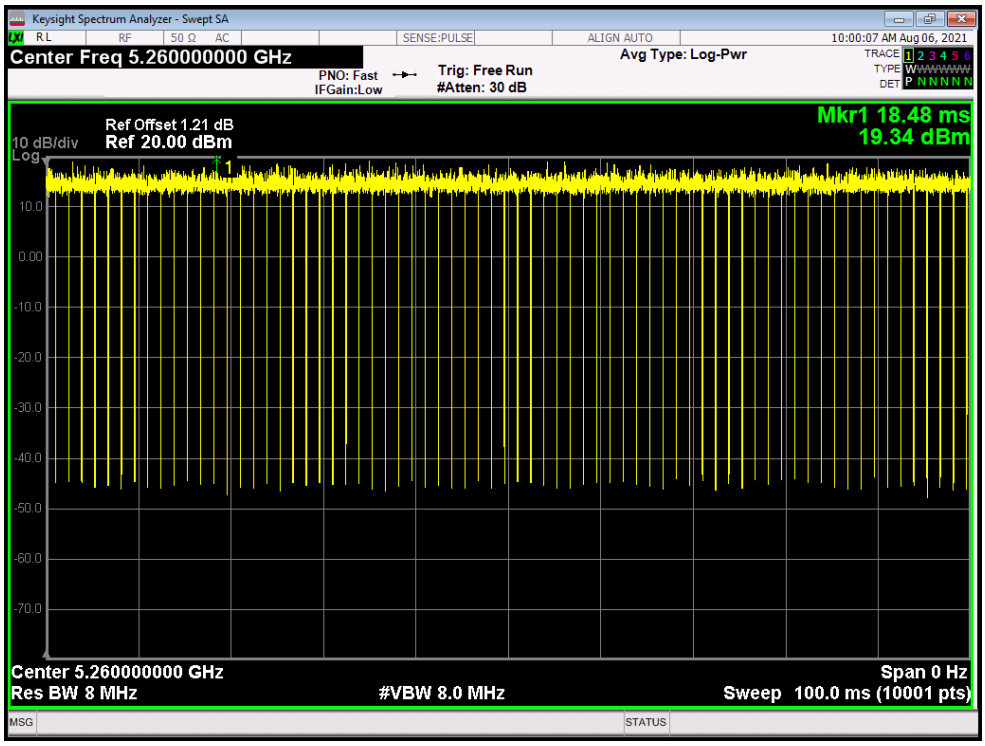


5.3G

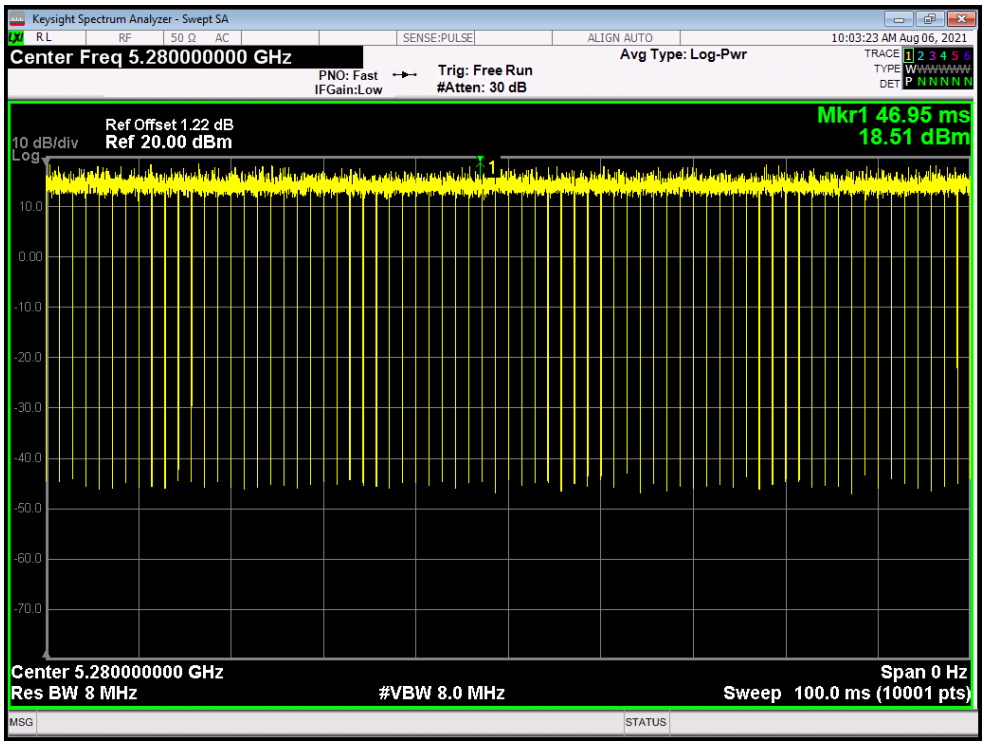
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5260	Ant1	98.2	0.08
NVNT	a	5280	Ant1	98.15	0.08
NVNT	a	5320	Ant1	98.2	0.08
NVNT	ac20	5260	Ant1	98.09	0.08
NVNT	ac20	5280	Ant1	98.08	0.08
NVNT	ac20	5320	Ant1	98.08	0.08
NVNT	ac40	5270	Ant1	96.37	0.16
NVNT	ac40	5310	Ant1	96.37	0.16
NVNT	ac80	5290	Ant1	93.18	0.31
NVNT	n20	5260	Ant1	98.07	0.08
NVNT	n20	5280	Ant1	98.06	0.09
NVNT	n20	5320	Ant1	98.09	0.08
NVNT	n40	5270	Ant1	96.32	0.16
NVNT	n40	5310	Ant1	96.36	0.16

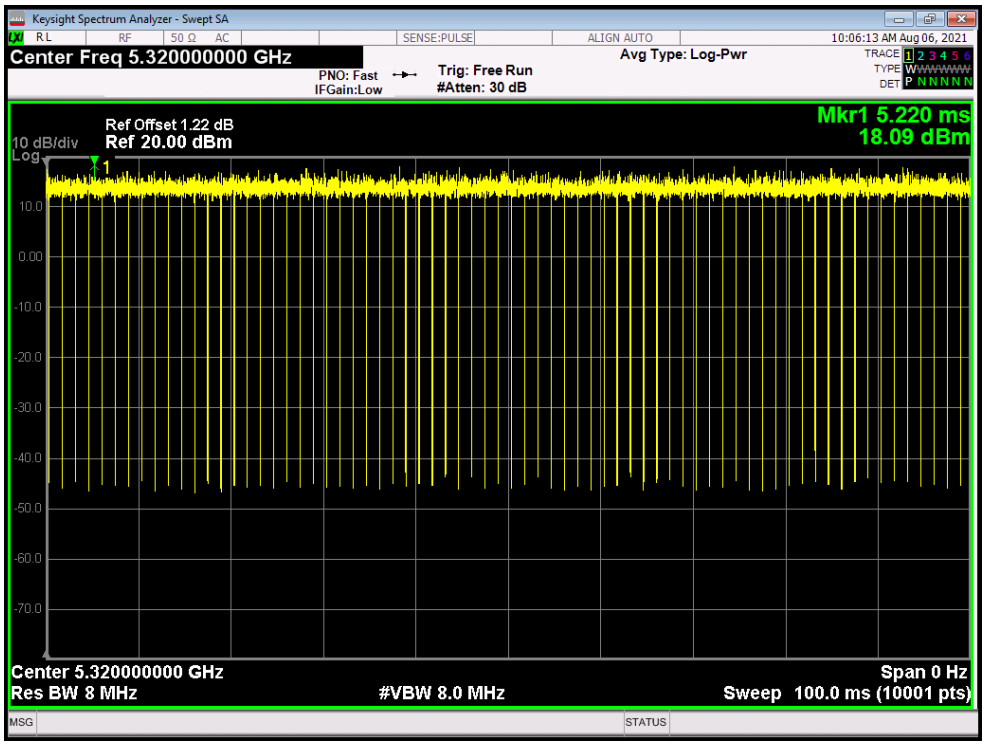
Duty Cycle NVNT a 5260MHz Ant1



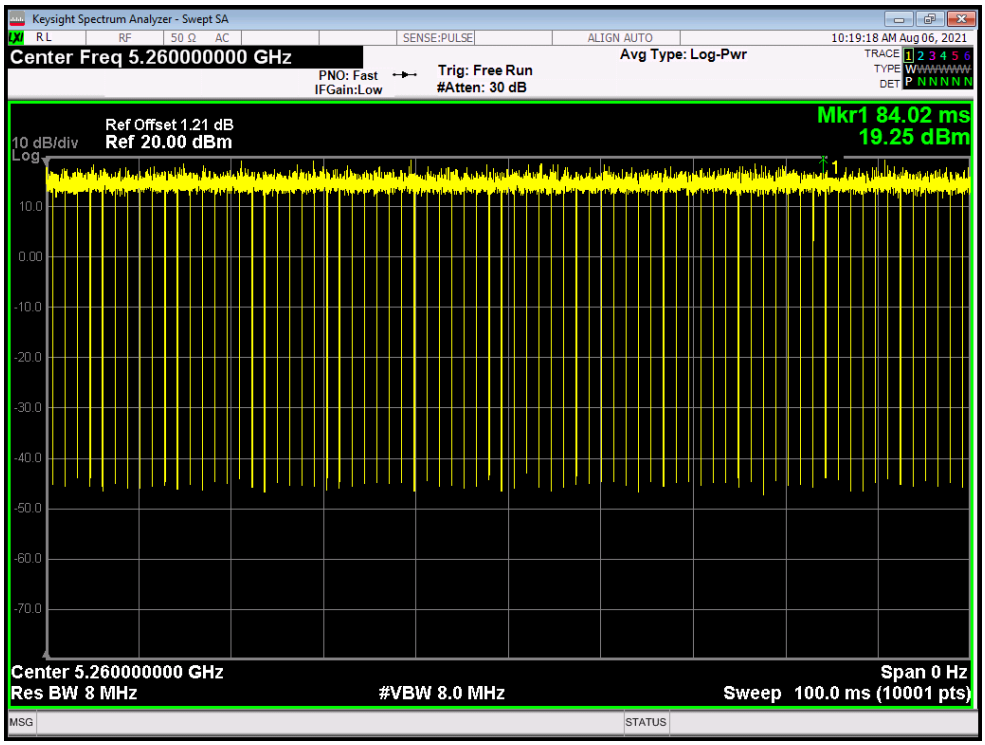
Duty Cycle NVNT a 5280MHz Ant1



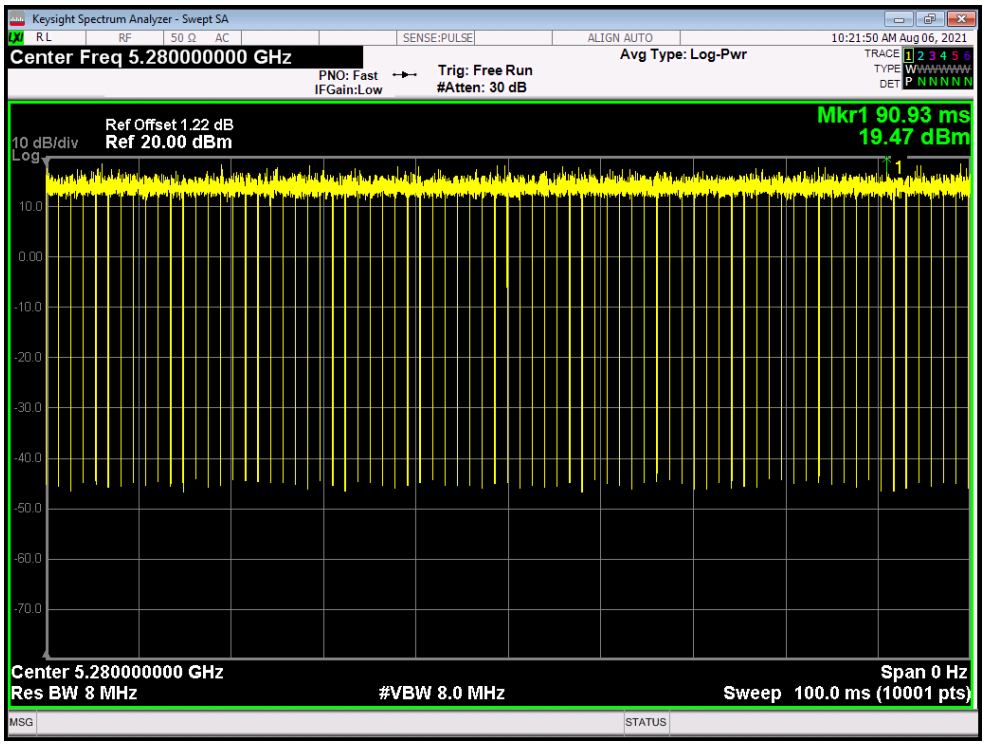
Duty Cycle NVNT a 5320MHz Ant1



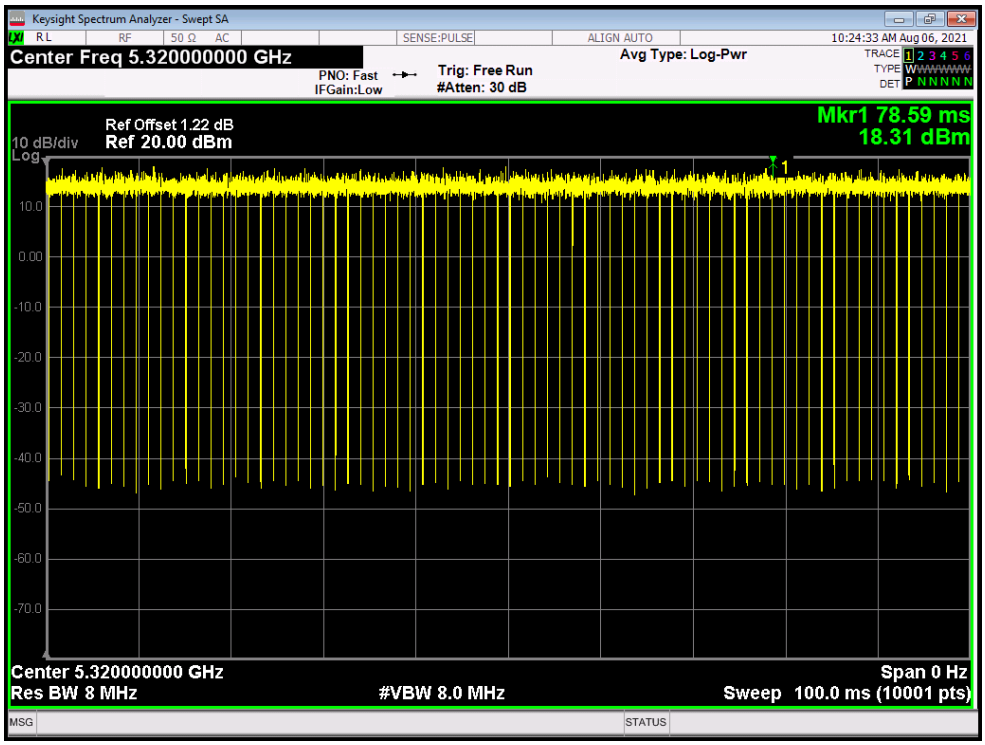
Duty Cycle NVNT ac20 5260MHz Ant1



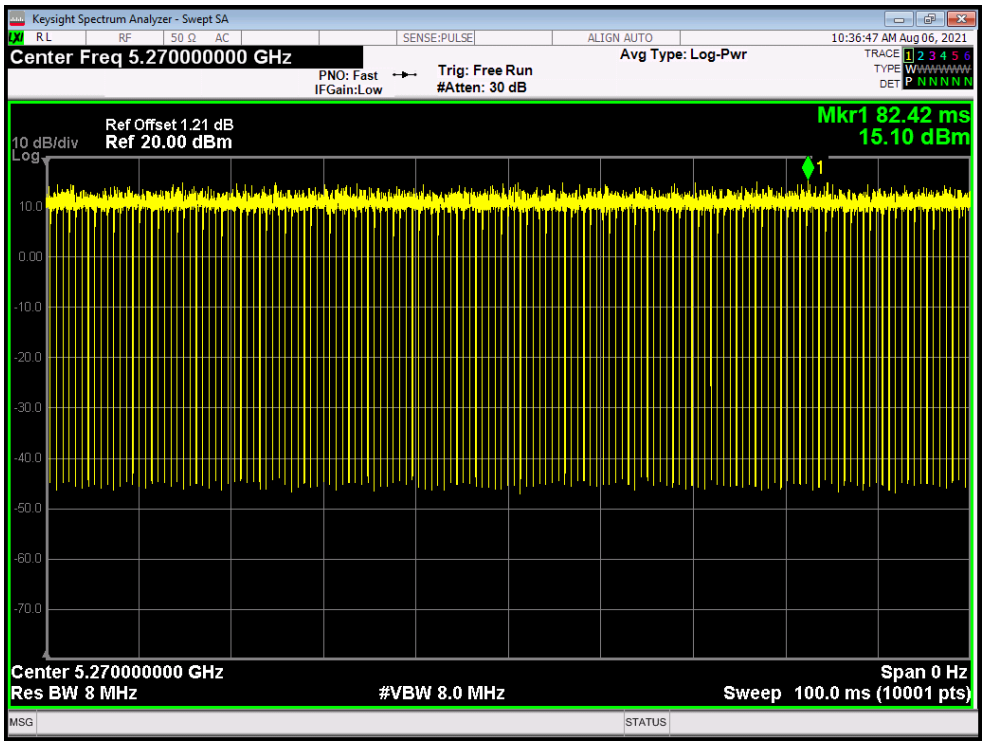
Duty Cycle NVNT ac20 5280MHz Ant1



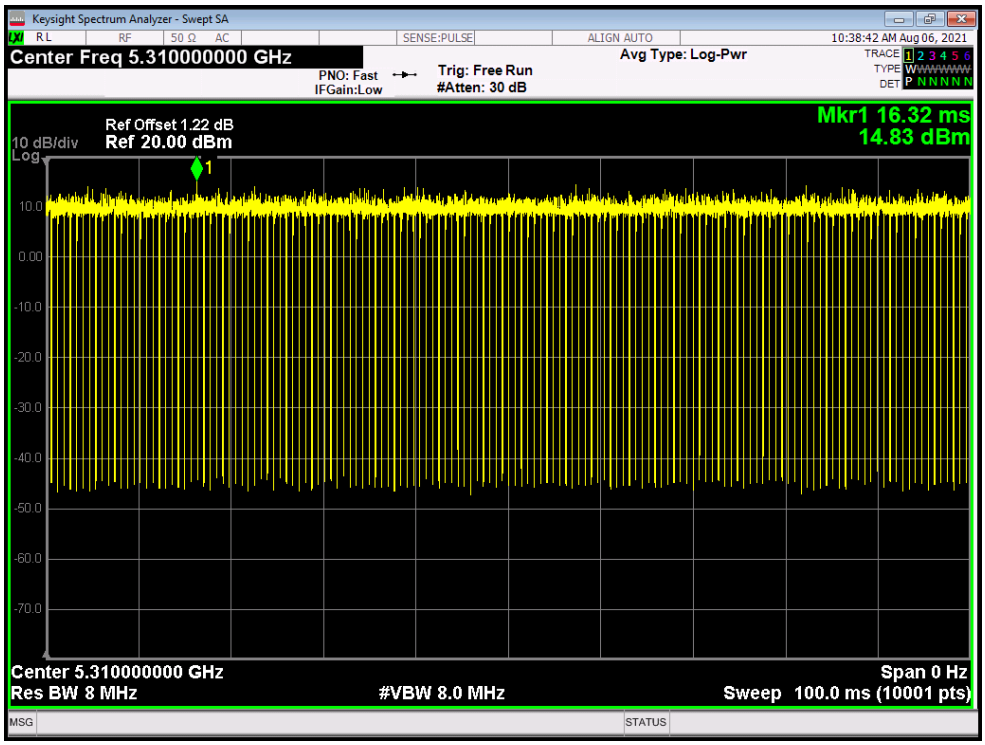
Duty Cycle NVNT ac20 5320MHz Ant1



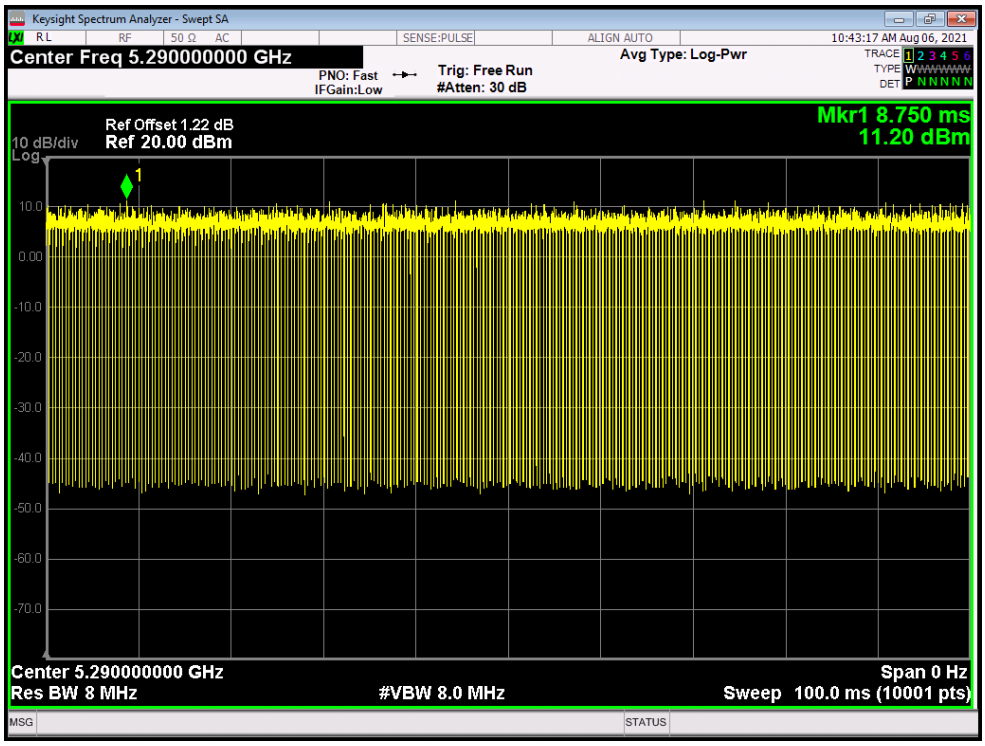
Duty Cycle NVNT ac40 5270MHz Ant1



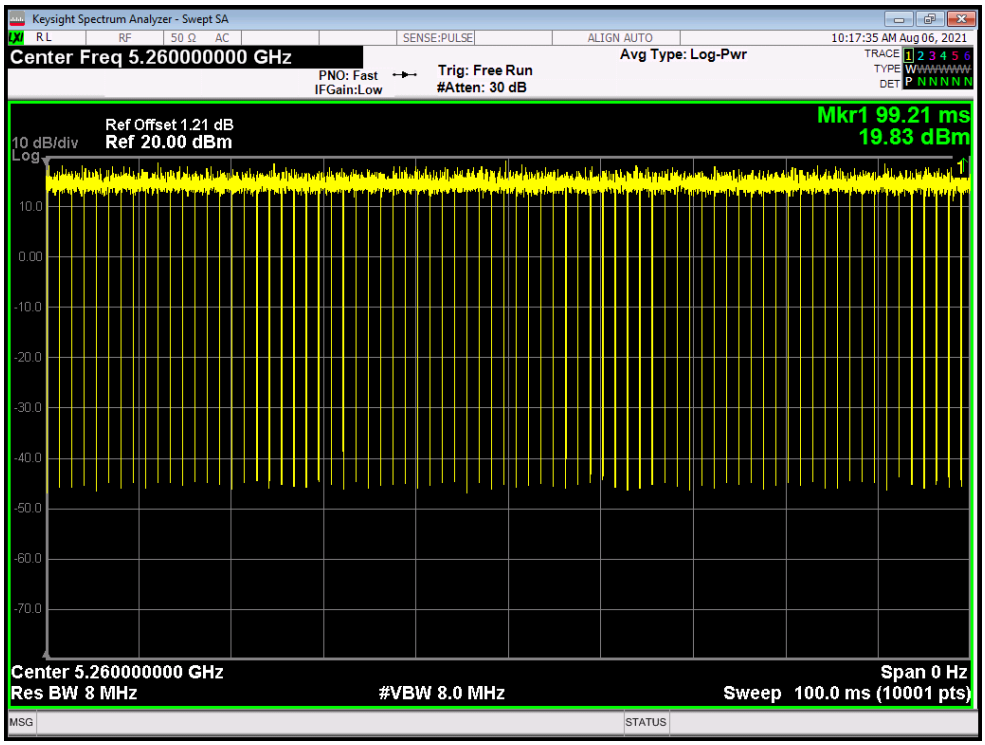
Duty Cycle NVNT ac40 5310MHz Ant1



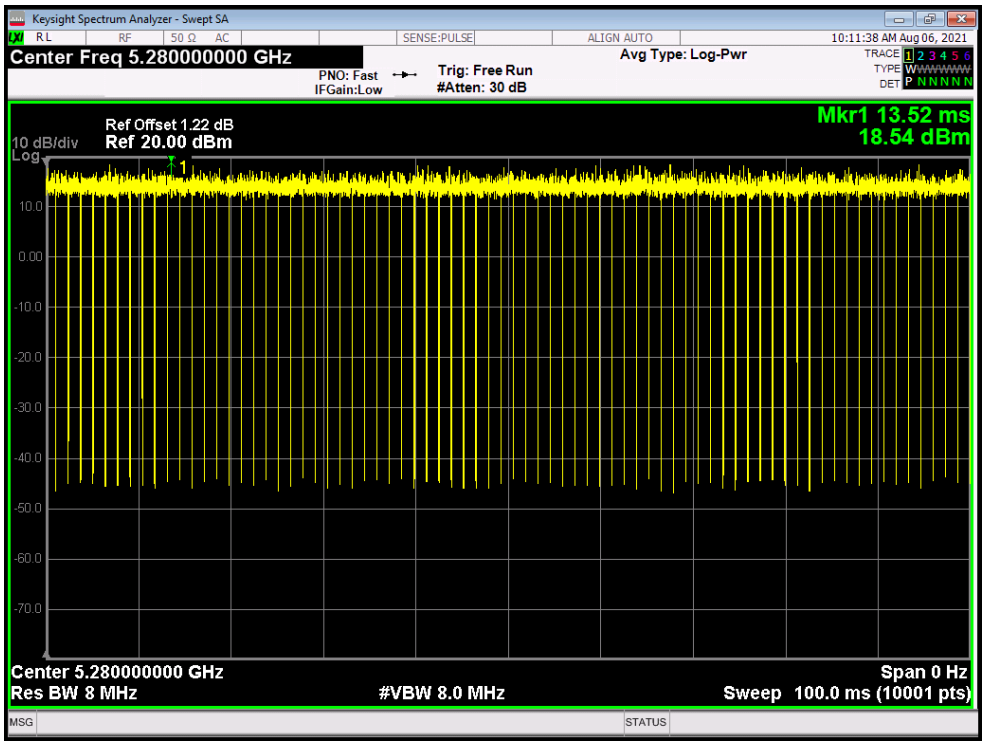
Duty Cycle NVNT ac80 5290MHz Ant1



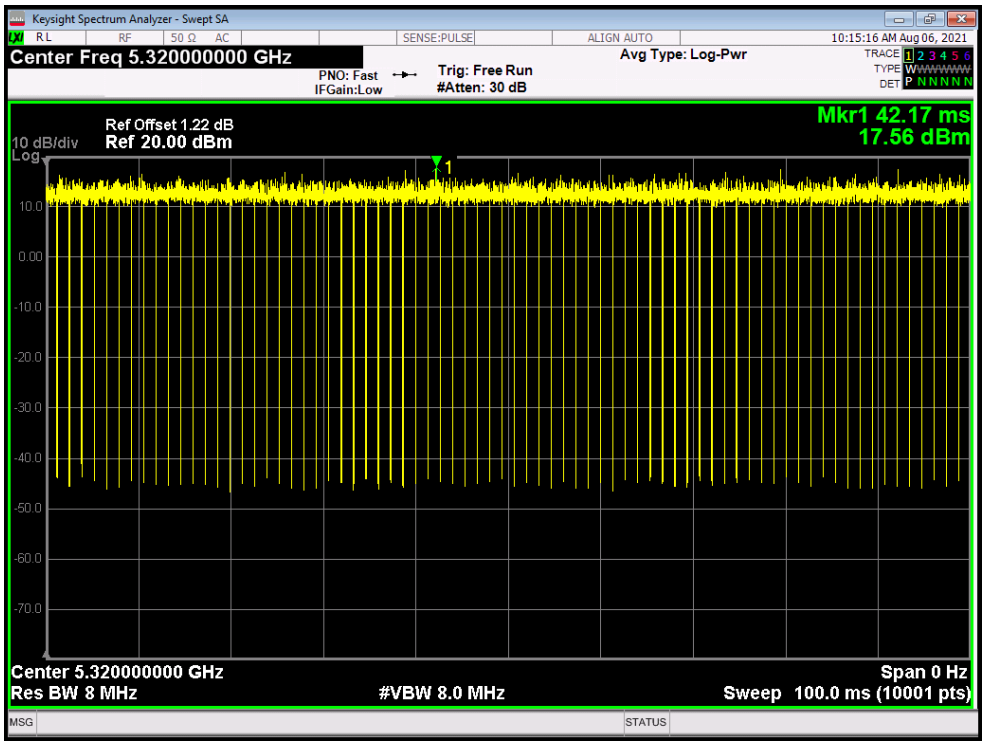
Duty Cycle NVNT n20 5260MHz Ant1



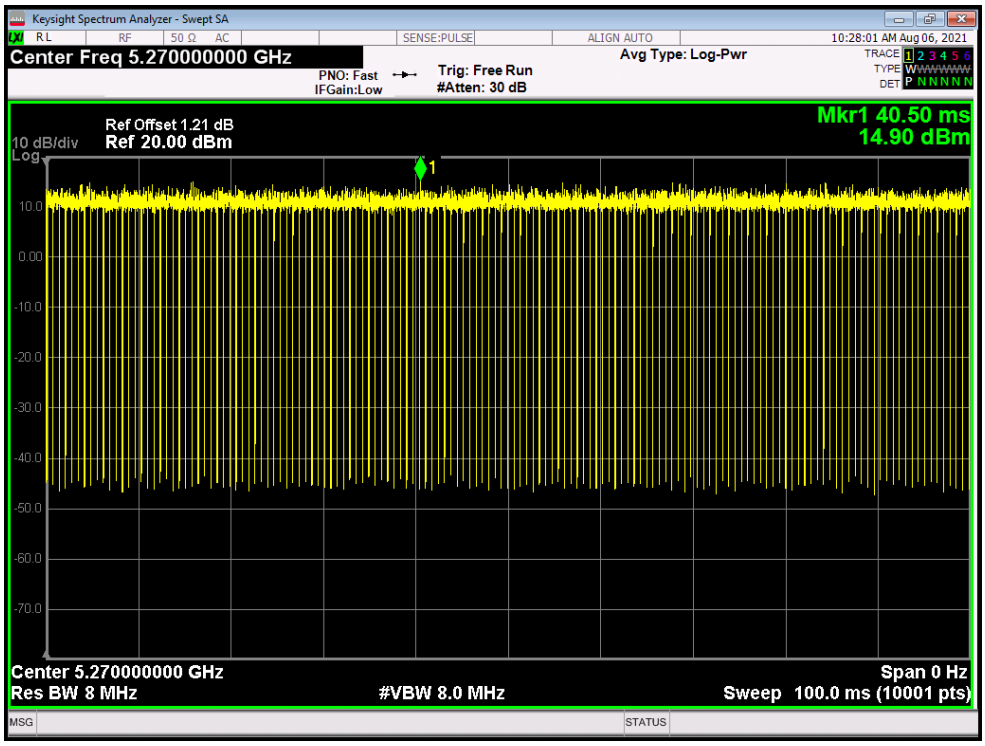
Duty Cycle NVNT n20 5280MHz Ant1



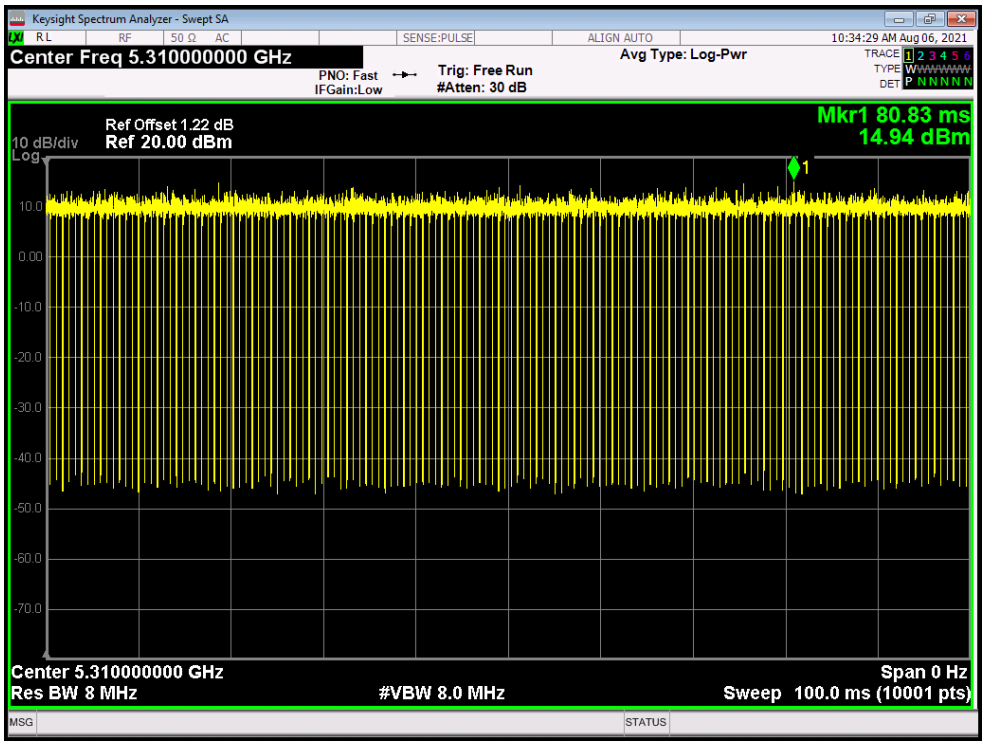
Duty Cycle NVNT n20 5320MHz Ant1



Duty Cycle NVNT n40 5270MHz Ant1



Duty Cycle NVNT n40 5310MHz Ant1



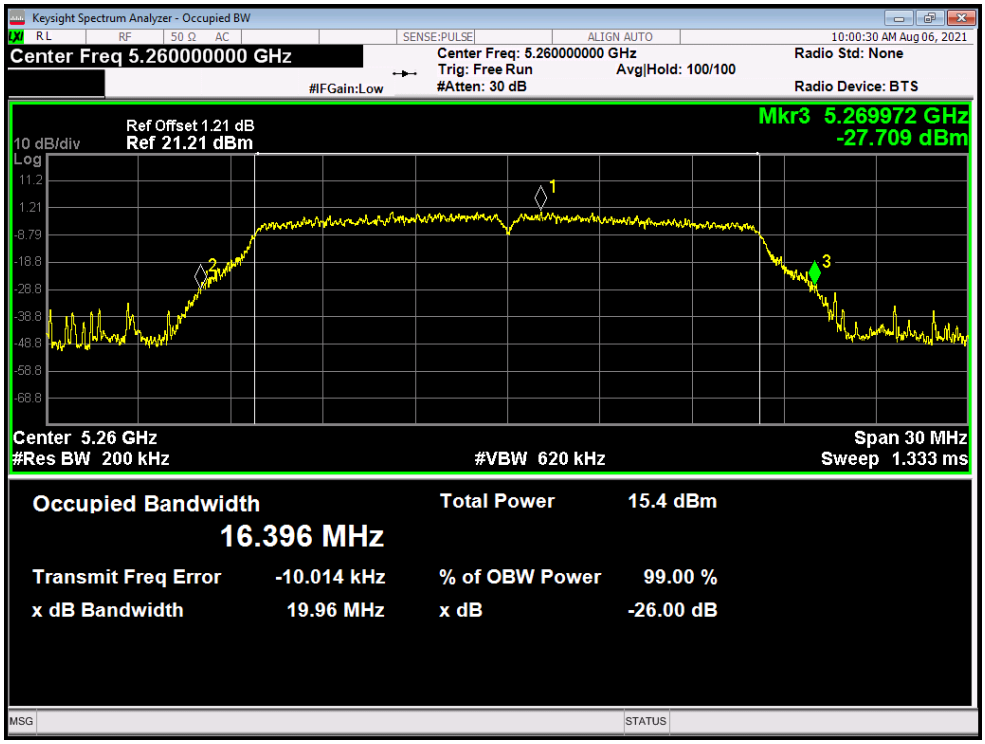
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	9.835	0.08	9.915	24	Pass
NVNT	a	5280	Ant1	9.568	0.08	9.648	24	Pass
NVNT	a	5320	Ant1	9.576	0.08	9.656	24	Pass
NVNT	ac20	5260	Ant1	10.515	0.08	10.595	24	Pass
NVNT	ac20	5280	Ant1	9.431	0.08	9.511	24	Pass
NVNT	ac20	5320	Ant1	9.209	0.08	9.289	24	Pass
NVNT	ac40	5270	Ant1	9.66	0.16	9.82	24	Pass
NVNT	ac40	5310	Ant1	8.465	0.16	8.625	24	Pass
NVNT	ac80	5290	Ant1	8.621	0.31	8.931	24	Pass
NVNT	n20	5260	Ant1	10.491	0.08	10.571	24	Pass
NVNT	n20	5280	Ant1	9.334	0.09	9.424	24	Pass
NVNT	n20	5320	Ant1	8.391	0.08	8.471	24	Pass
NVNT	n40	5270	Ant1	9.652	0.16	9.812	24	Pass
NVNT	n40	5310	Ant1	8.406	0.16	8.566	24	Pass

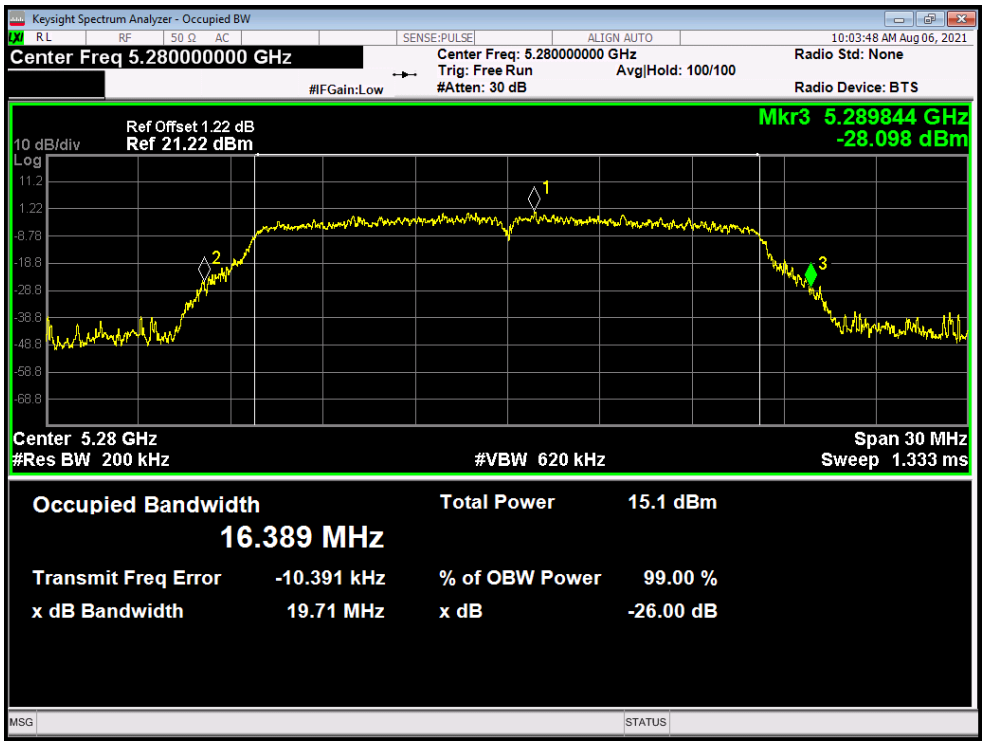
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5260	Ant1	19.964	0.5	Pass
NVNT	a	5280	Ant1	19.709	0.5	Pass
NVNT	a	5320	Ant1	19.758	0.5	Pass
NVNT	ac20	5260	Ant1	19.882	0.5	Pass
NVNT	ac20	5280	Ant1	20.064	0.5	Pass
NVNT	ac20	5320	Ant1	20.202	0.5	Pass
NVNT	ac40	5270	Ant1	40.163	0.5	Pass
NVNT	ac40	5310	Ant1	40.389	0.5	Pass
NVNT	ac80	5290	Ant1	80.301	0.5	Pass
NVNT	n20	5260	Ant1	19.9	0.5	Pass
NVNT	n20	5280	Ant1	20.069	0.5	Pass
NVNT	n20	5320	Ant1	20.033	0.5	Pass
NVNT	n40	5270	Ant1	40.037	0.5	Pass
NVNT	n40	5310	Ant1	40.205	0.5	Pass

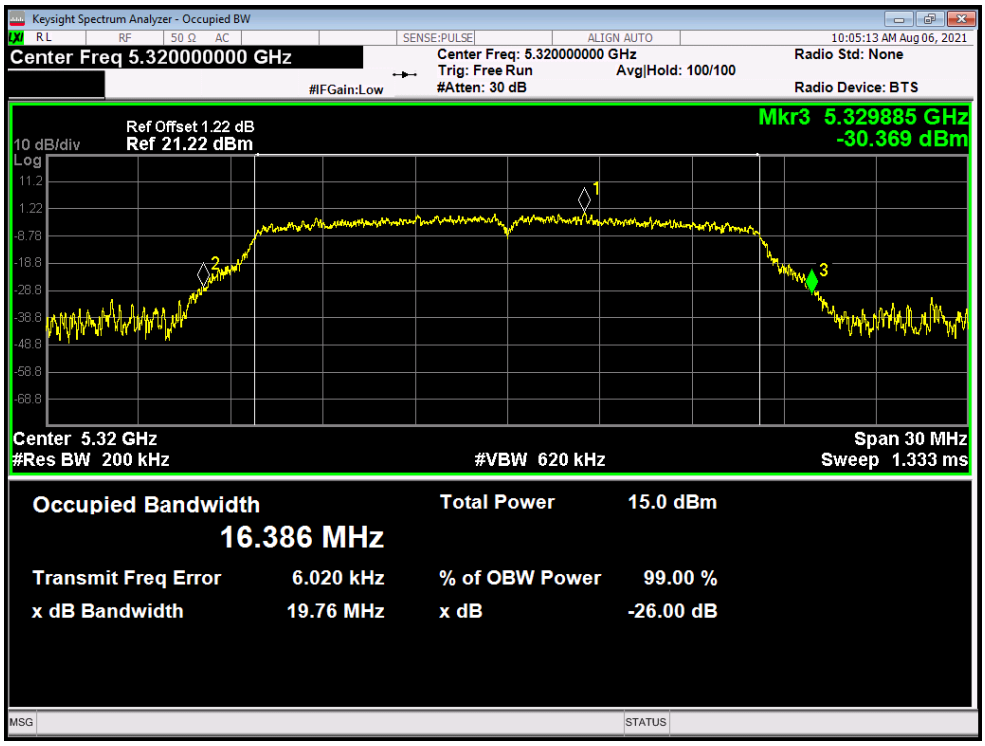
-26dB Bandwidth NVNT a 5260MHz Ant1



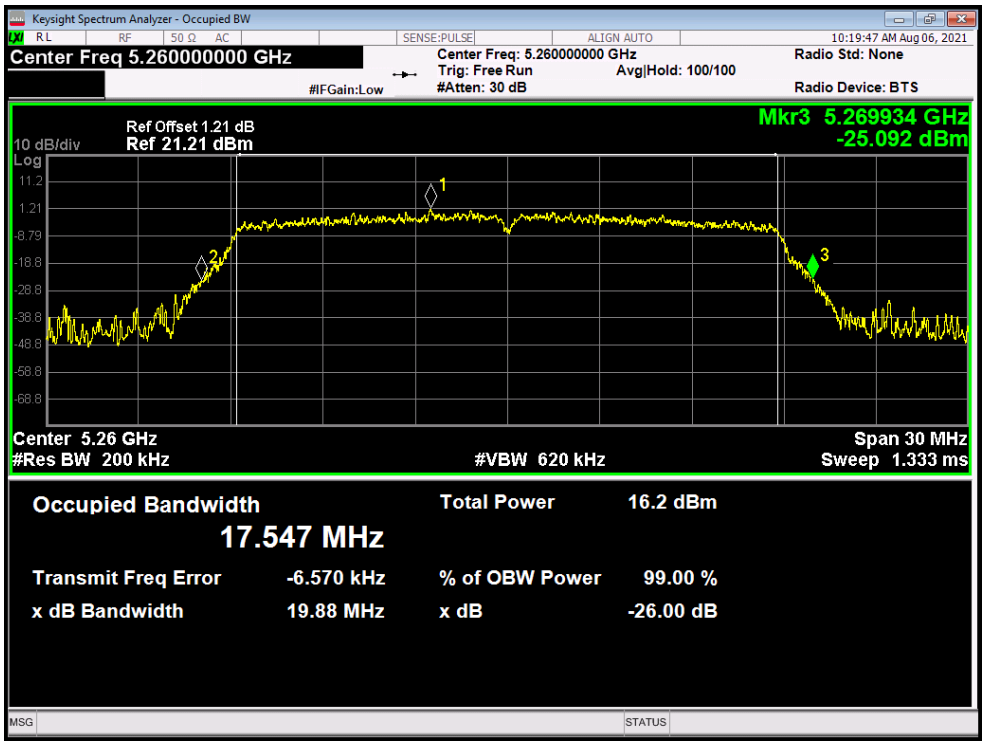
-26dB Bandwidth NVNT a 5280MHz Ant1



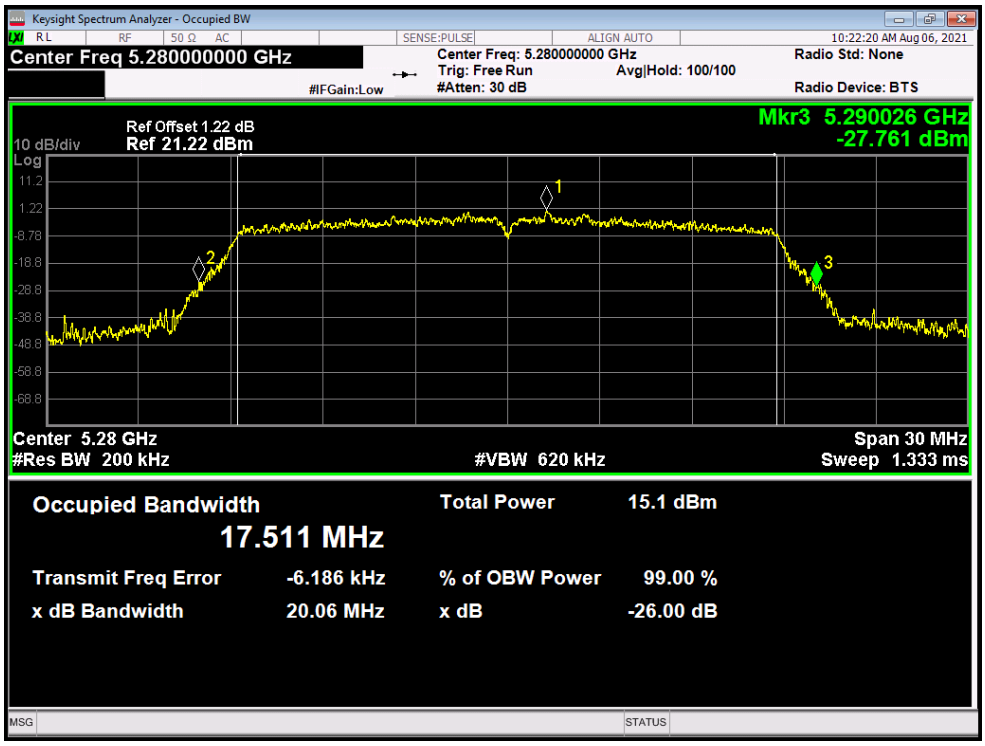
-26dB Bandwidth NVNT a 5320MHz Ant1



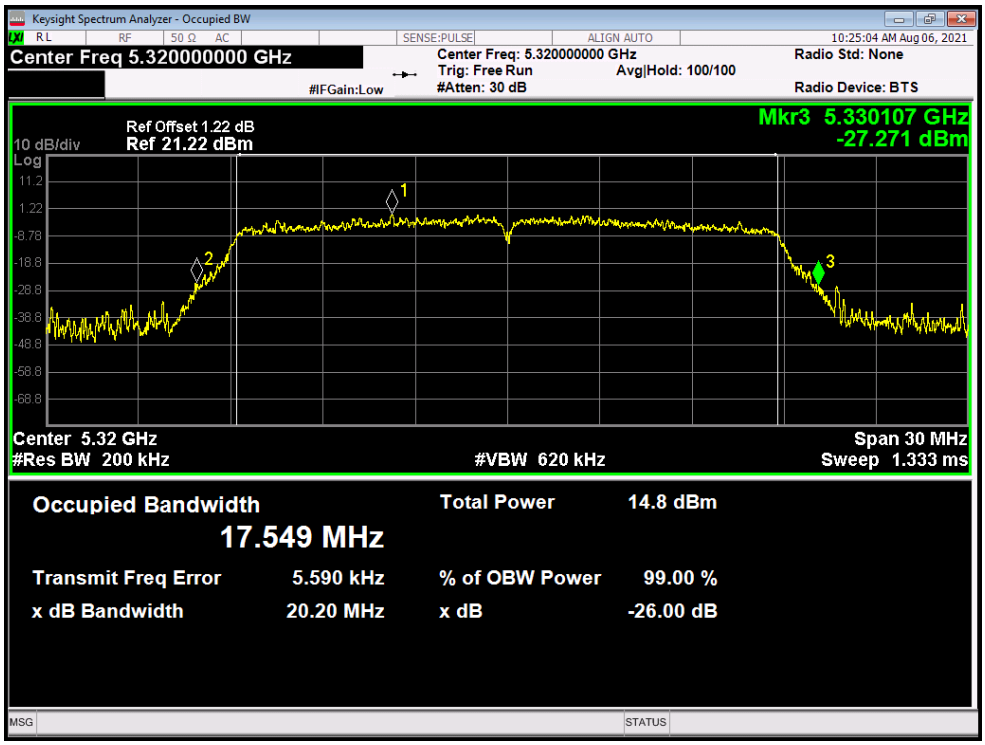
-26dB Bandwidth NVNT ac20 5260MHz Ant1



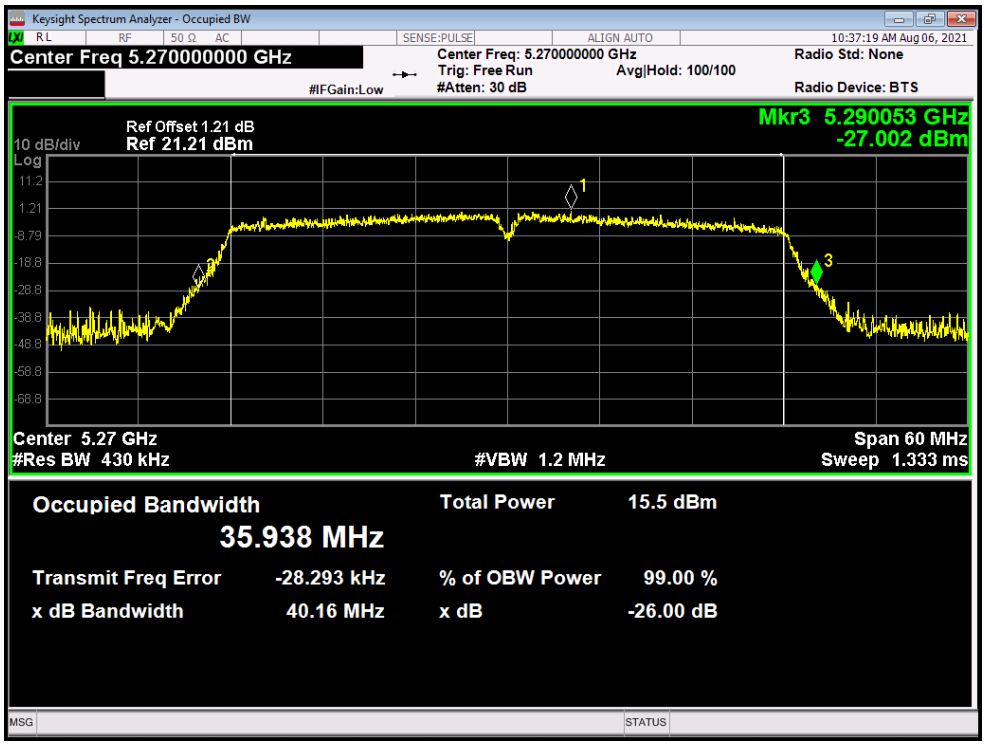
-26dB Bandwidth NVNT ac20 5280MHz Ant1



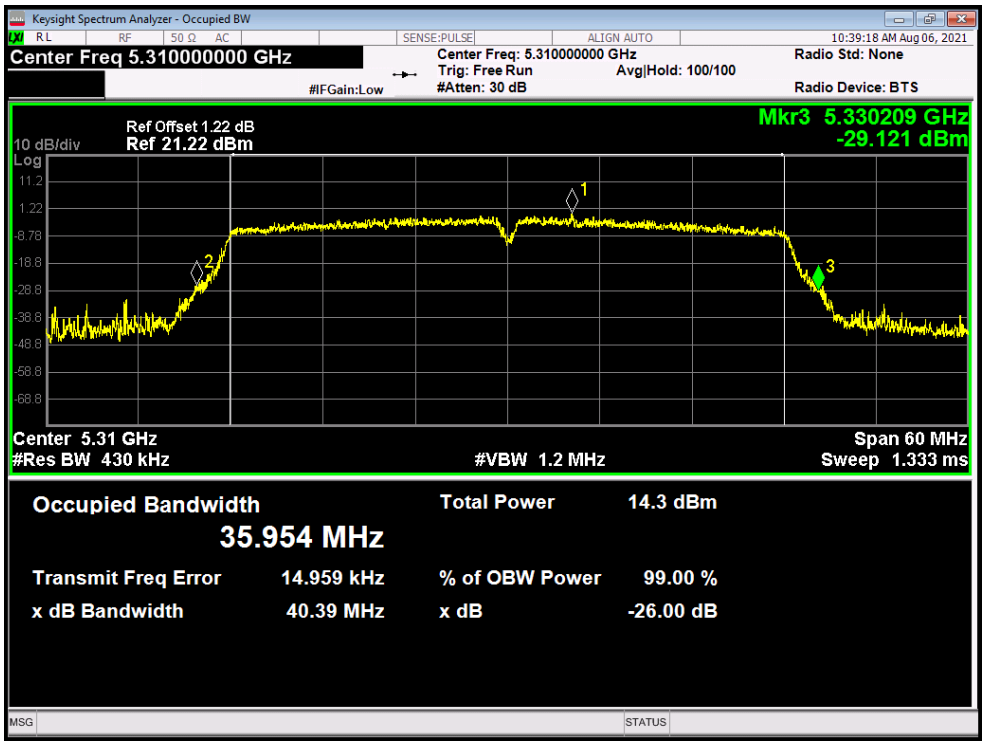
-26dB Bandwidth NVNT ac20 5320MHz Ant1



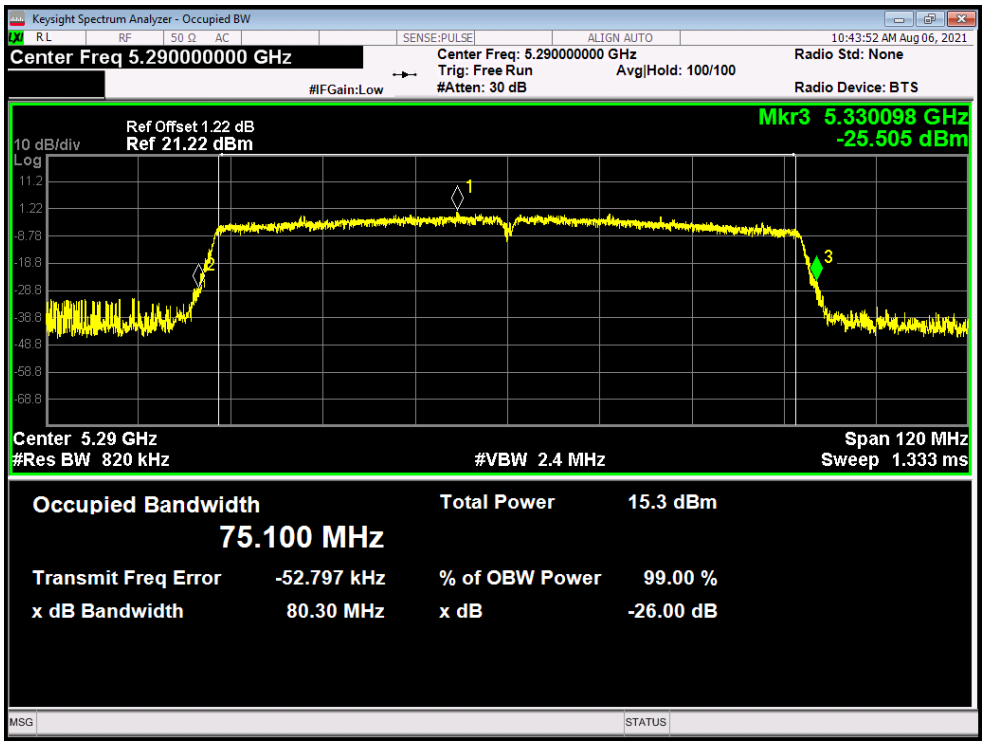
-26dB Bandwidth NVNT ac40 5270MHz Ant1



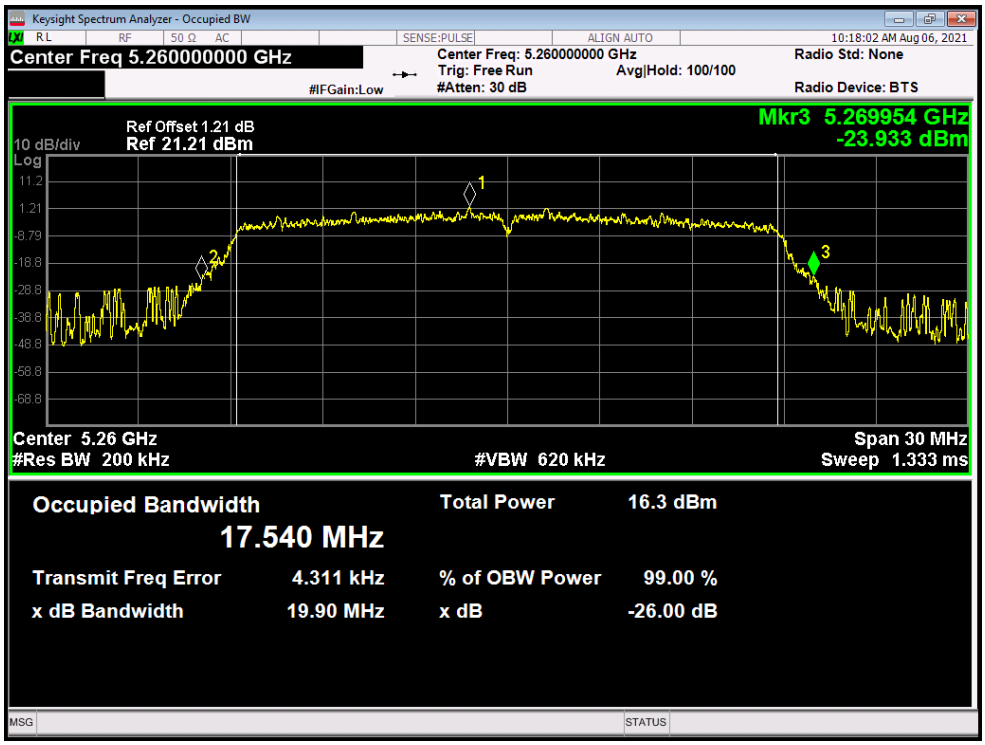
-26dB Bandwidth NVNT ac40 5310MHz Ant1



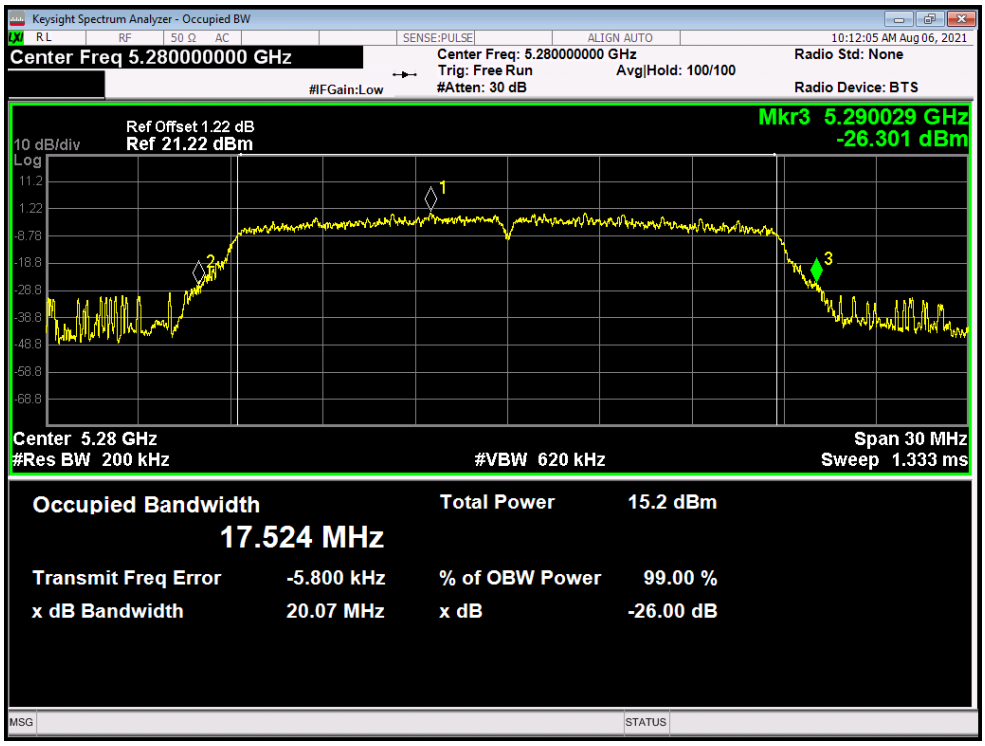
-26dB Bandwidth NVNT ac80 5290MHz Ant1



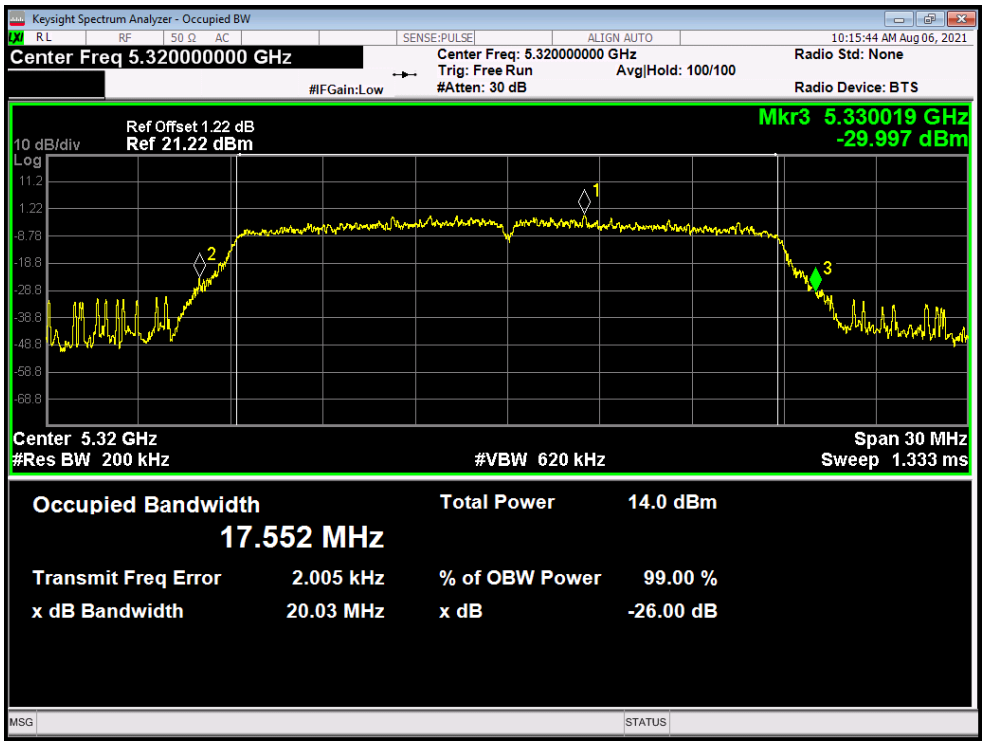
-26dB Bandwidth NVNT n20 5260MHz Ant1



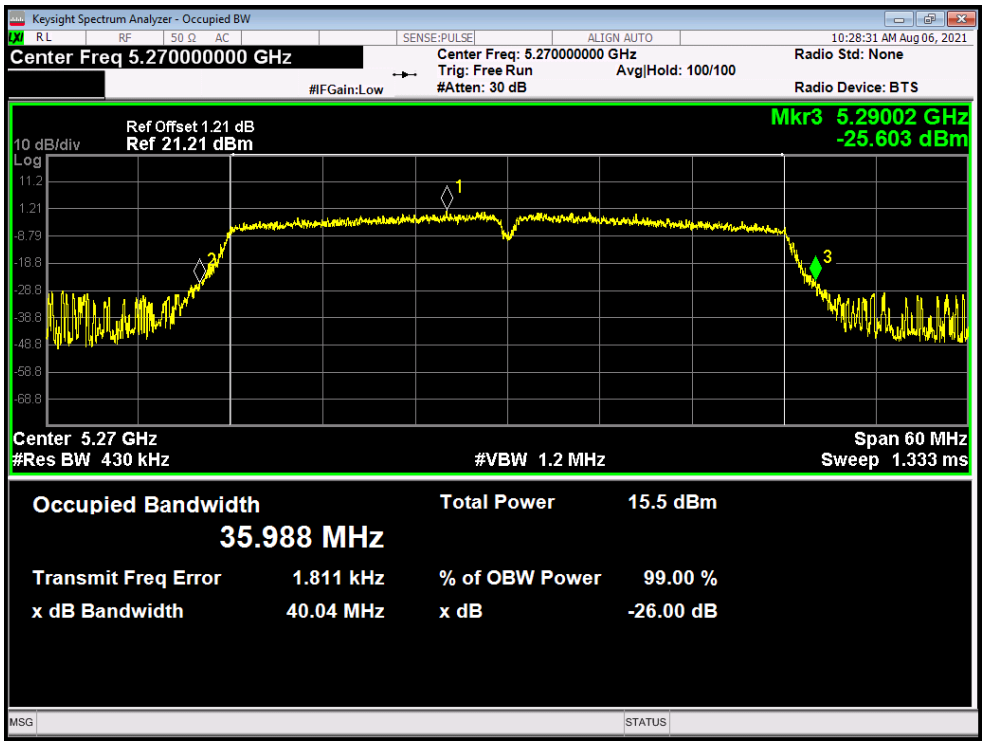
-26dB Bandwidth NVNT n20 5280MHz Ant1



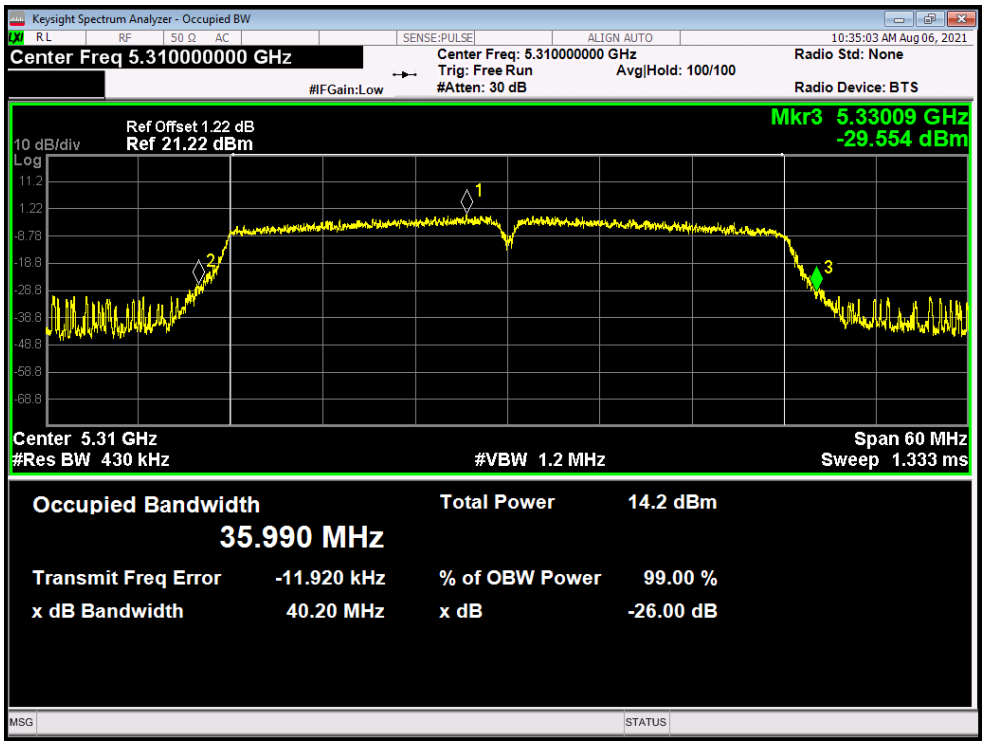
-26dB Bandwidth NVNT n20 5320MHz Ant1



-26dB Bandwidth NVNT n40 5270MHz Ant1



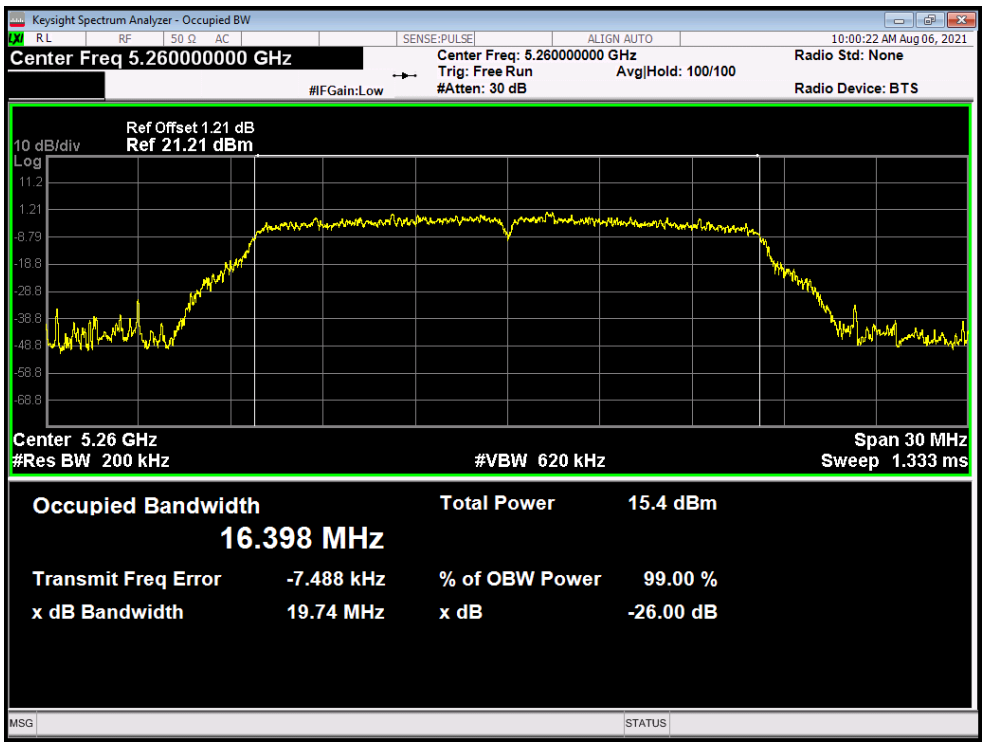
-26dB Bandwidth NVNT n40 5310MHz Ant1



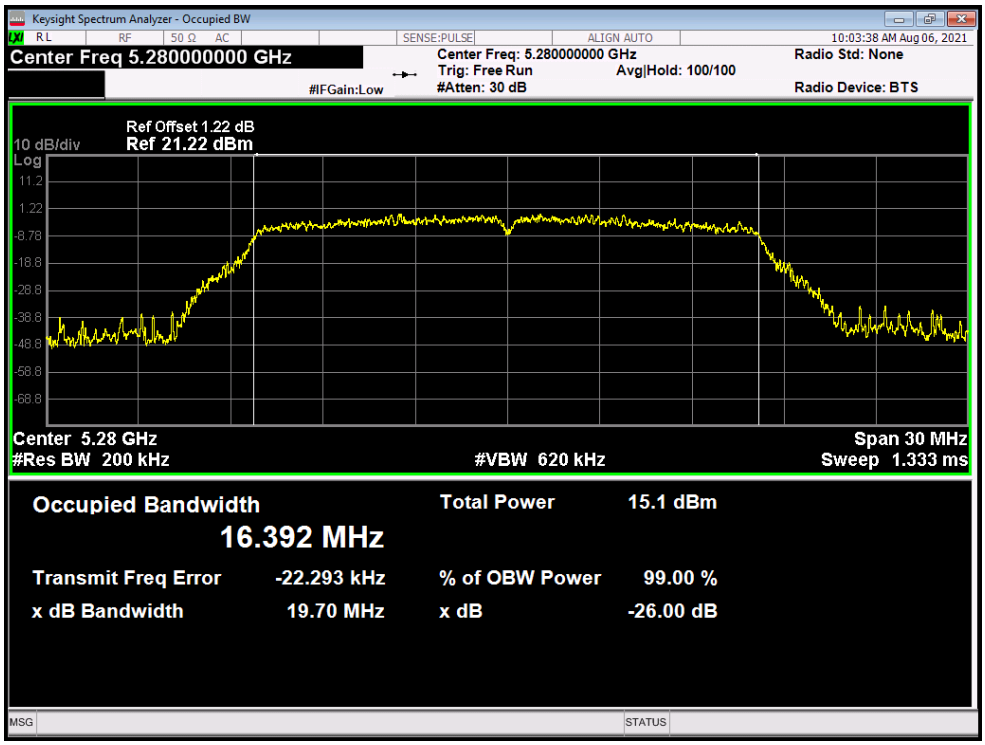
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5260	Ant1	16.398
NVNT	a	5280	Ant1	16.392
NVNT	a	5320	Ant1	16.388
NVNT	ac20	5260	Ant1	17.53
NVNT	ac20	5280	Ant1	17.532
NVNT	ac20	5320	Ant1	17.549
NVNT	ac40	5270	Ant1	35.944
NVNT	ac40	5310	Ant1	35.95
NVNT	ac80	5290	Ant1	75.147
NVNT	n20	5260	Ant1	17.546
NVNT	n20	5280	Ant1	17.572
NVNT	n20	5320	Ant1	17.533
NVNT	n40	5270	Ant1	35.957
NVNT	n40	5310	Ant1	35.982

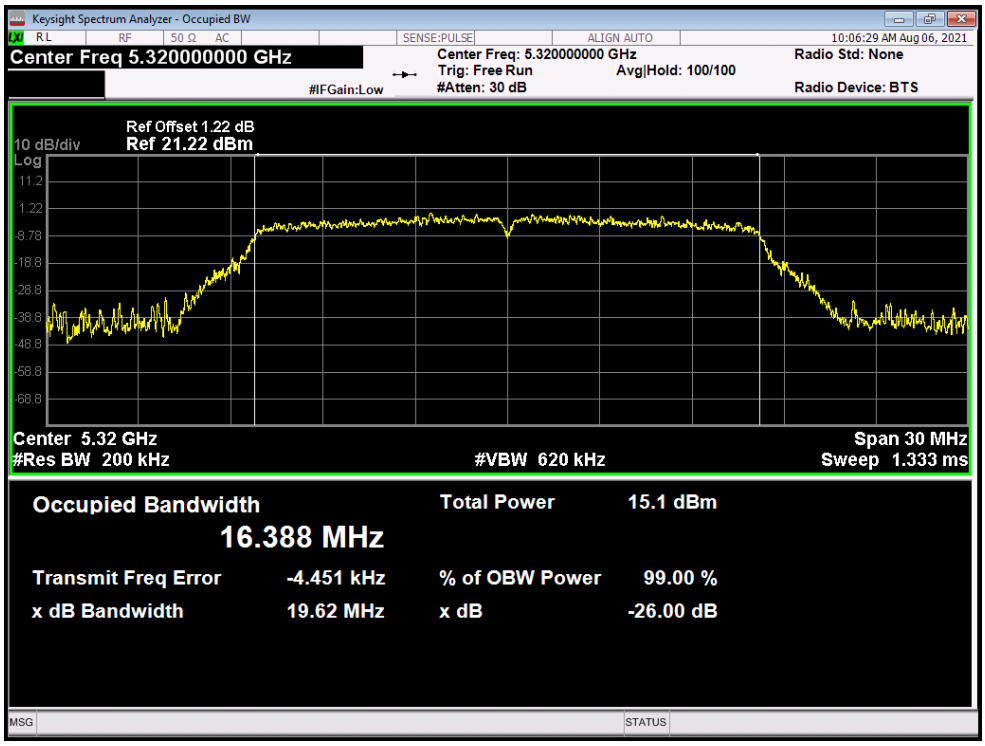
OBW NVNT a 5260MHz Ant1



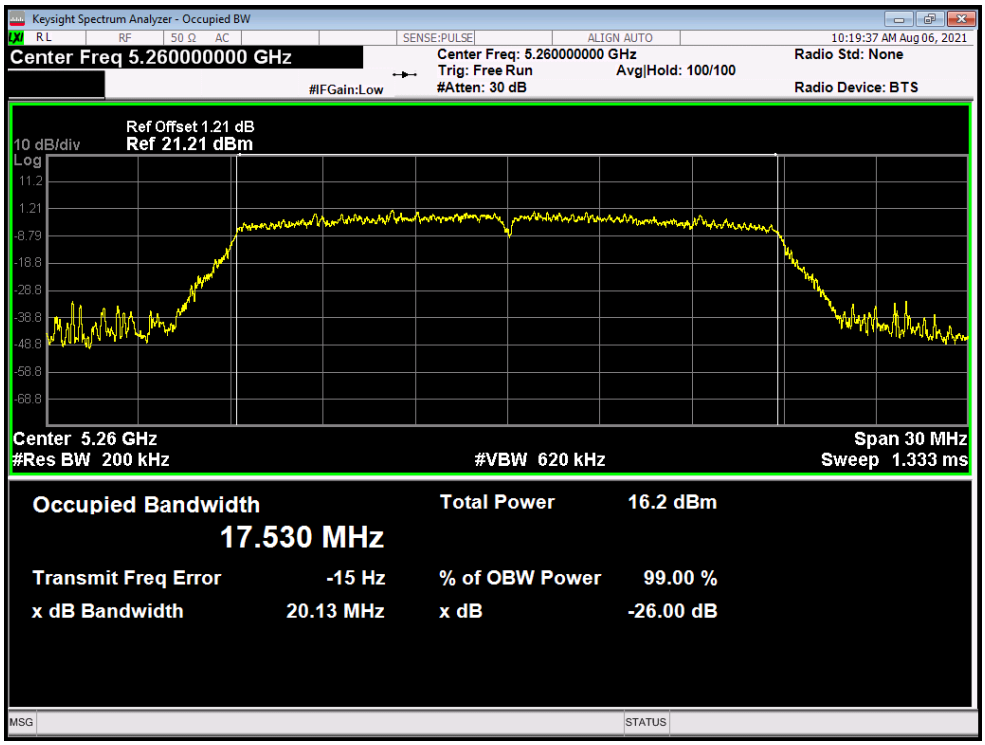
OBW NVNT a 5280MHz Ant1



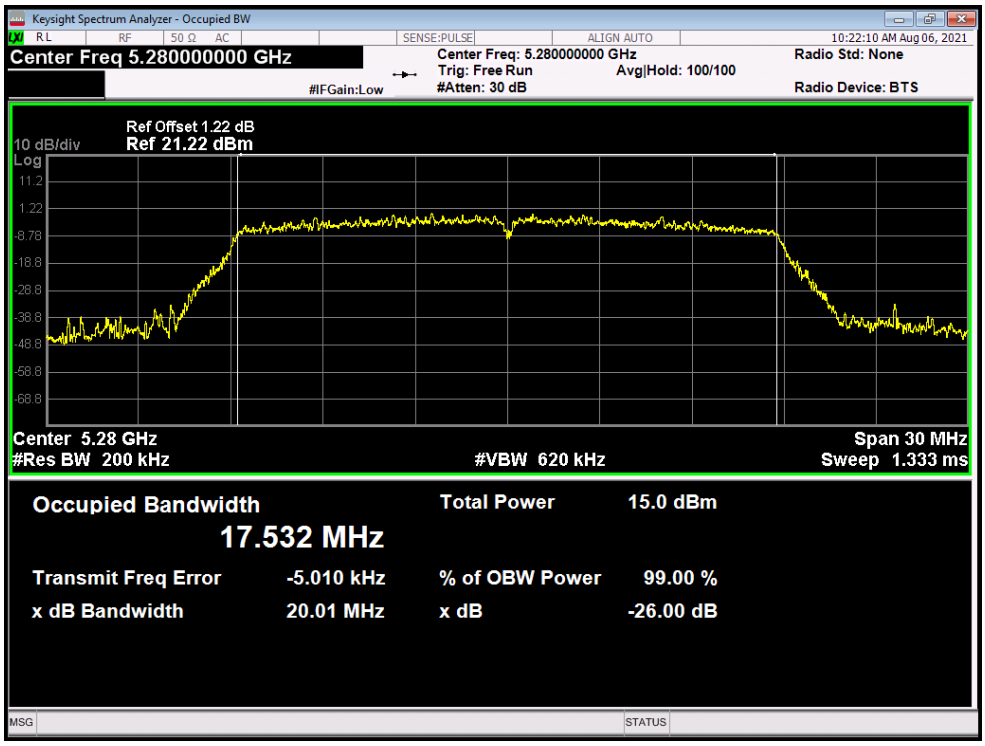
OBW NVNT a 5320MHz Ant1



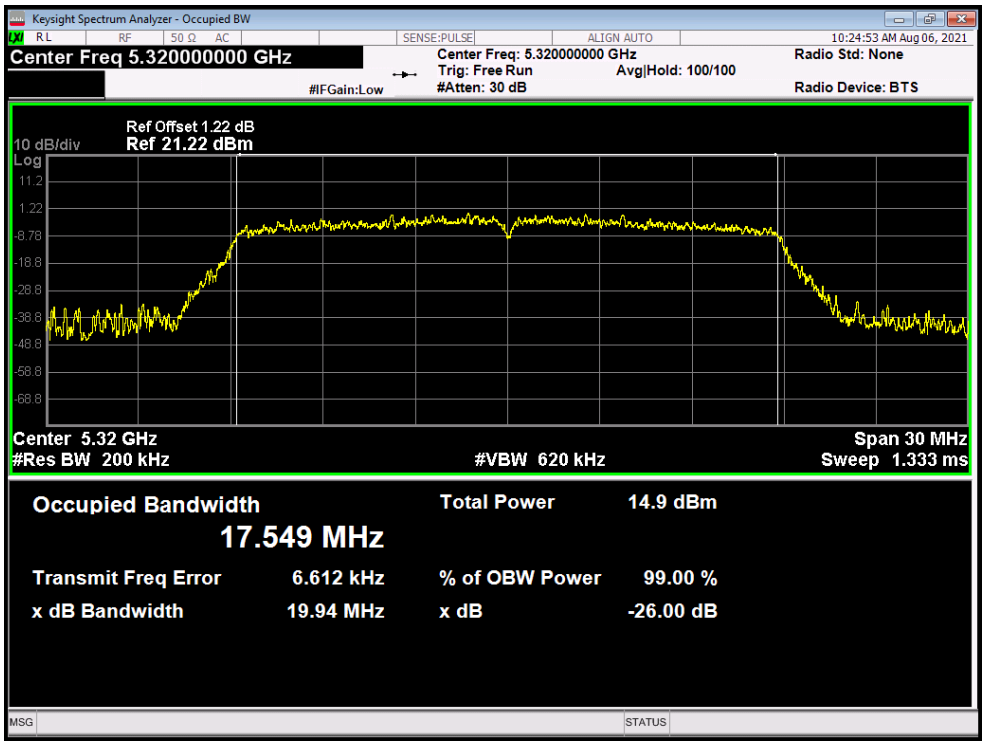
OBW NVNT ac20 5260MHz Ant1



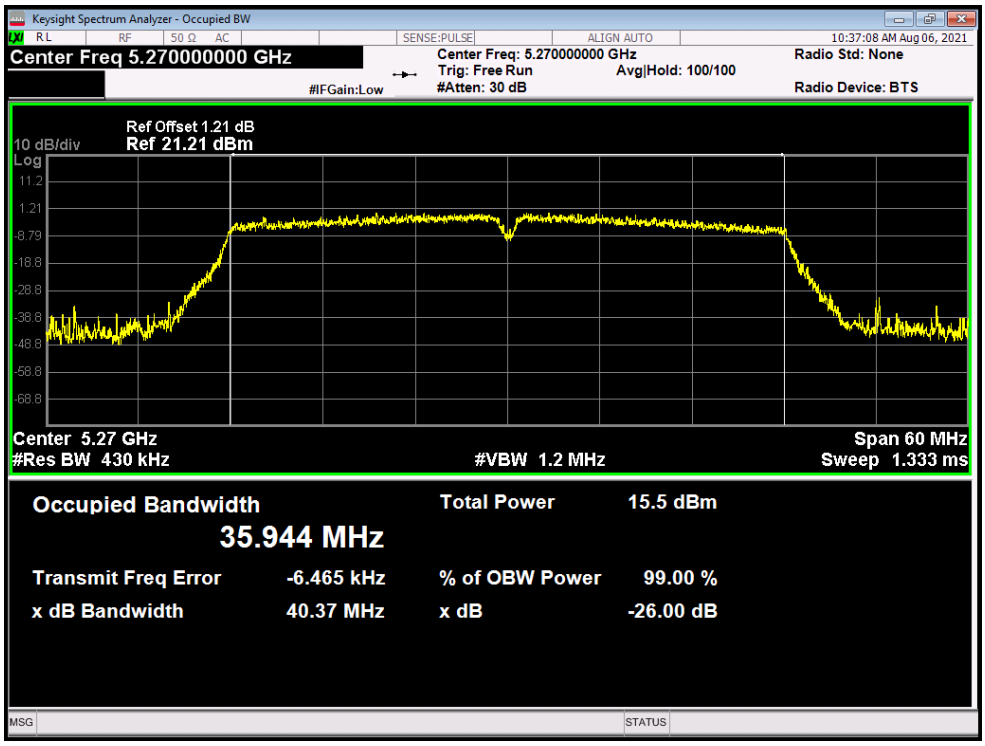
OBW NVNT ac20 5280MHz Ant1



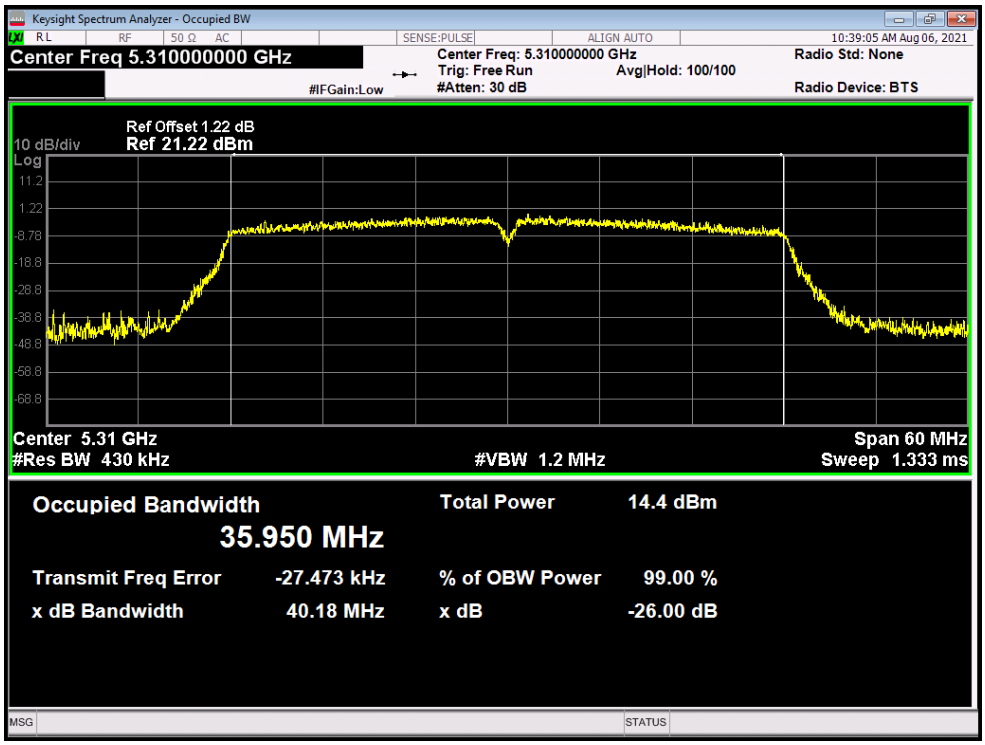
OBW NVNT ac20 5320MHz Ant1



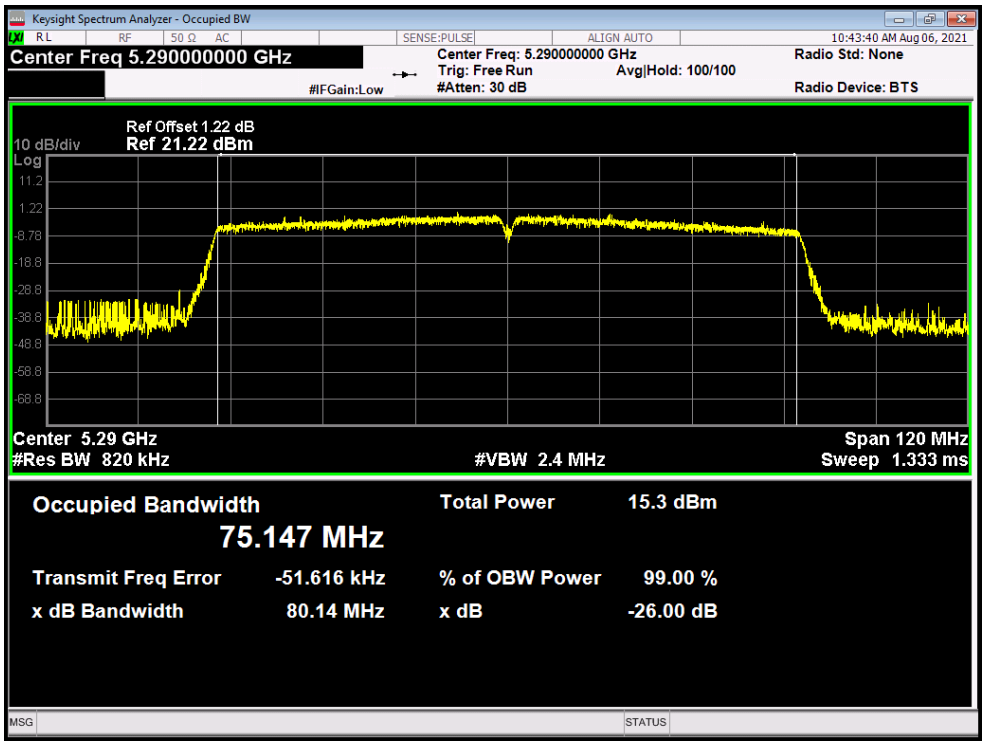
OBW NVNT ac40 5270MHz Ant1



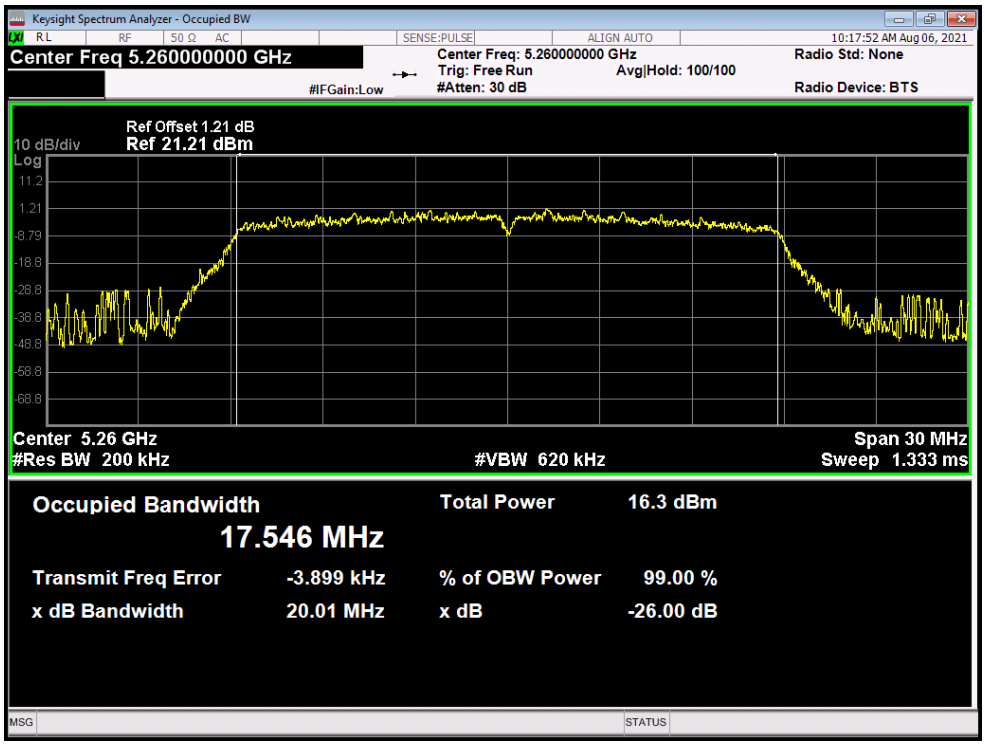
OBW NVNT ac40 5310MHz Ant1



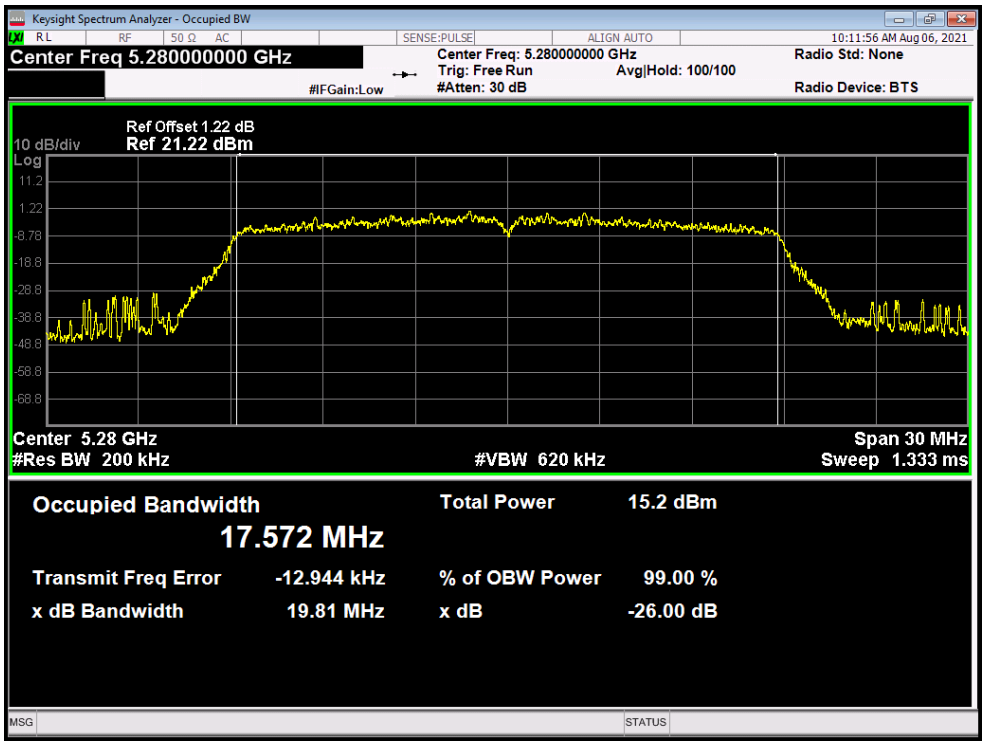
OBW NVNT ac80 5290MHz Ant1



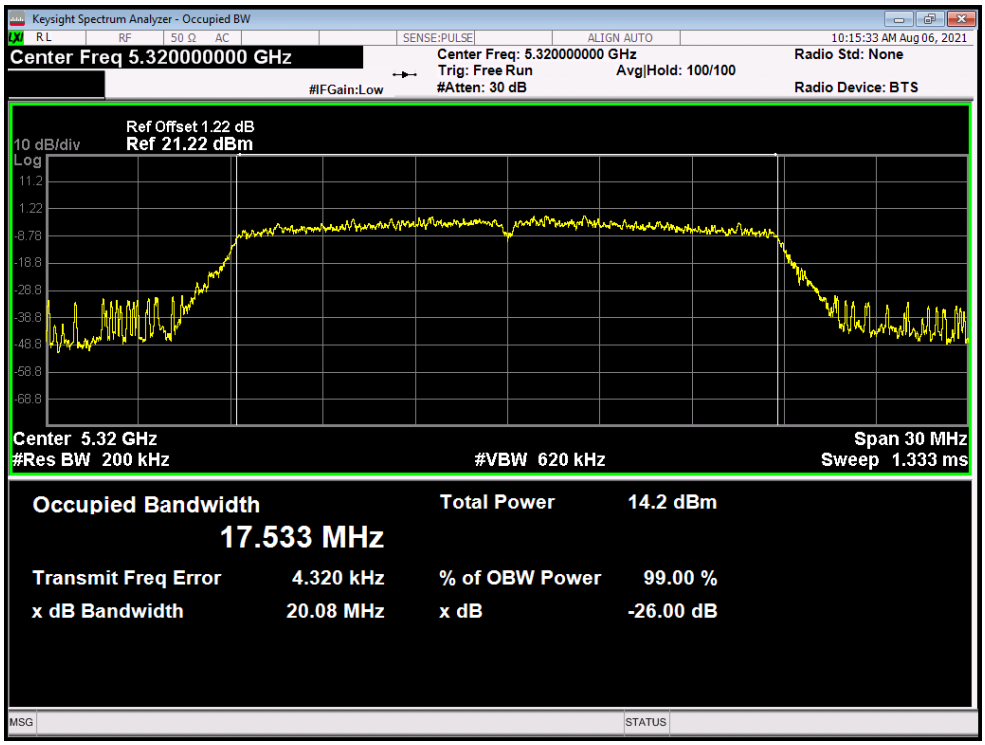
OBW NVNT n20 5260MHz Ant1



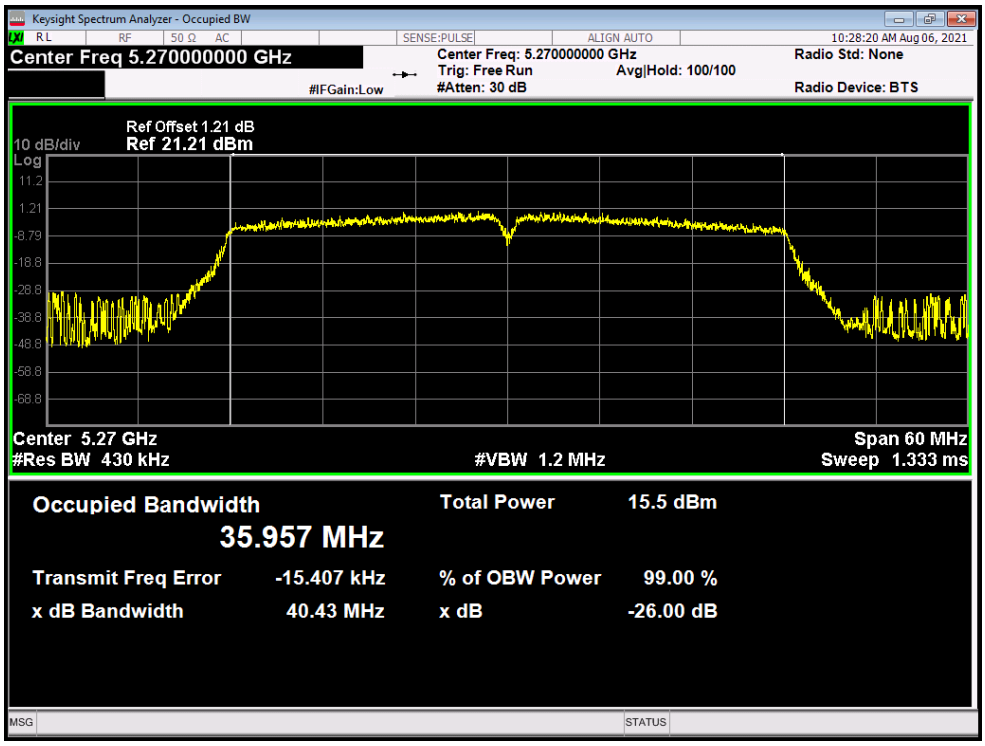
OBW NVNT n20 5280MHz Ant1



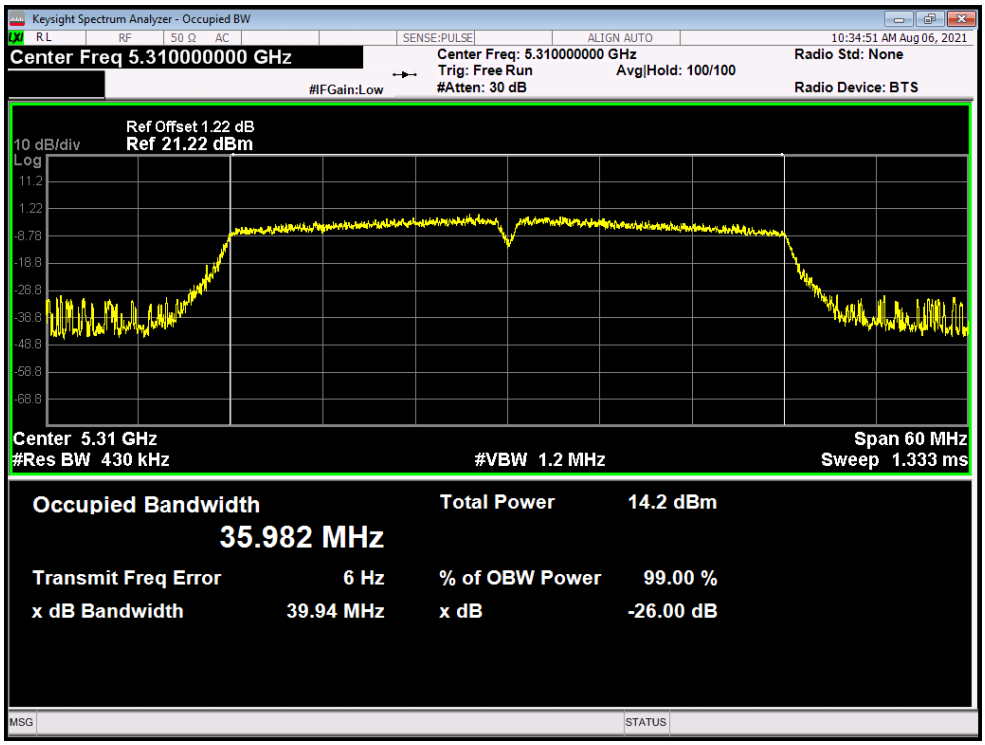
OBW NVNT n20 5320MHz Ant1



OBW NVNT n40 5270MHz Ant1



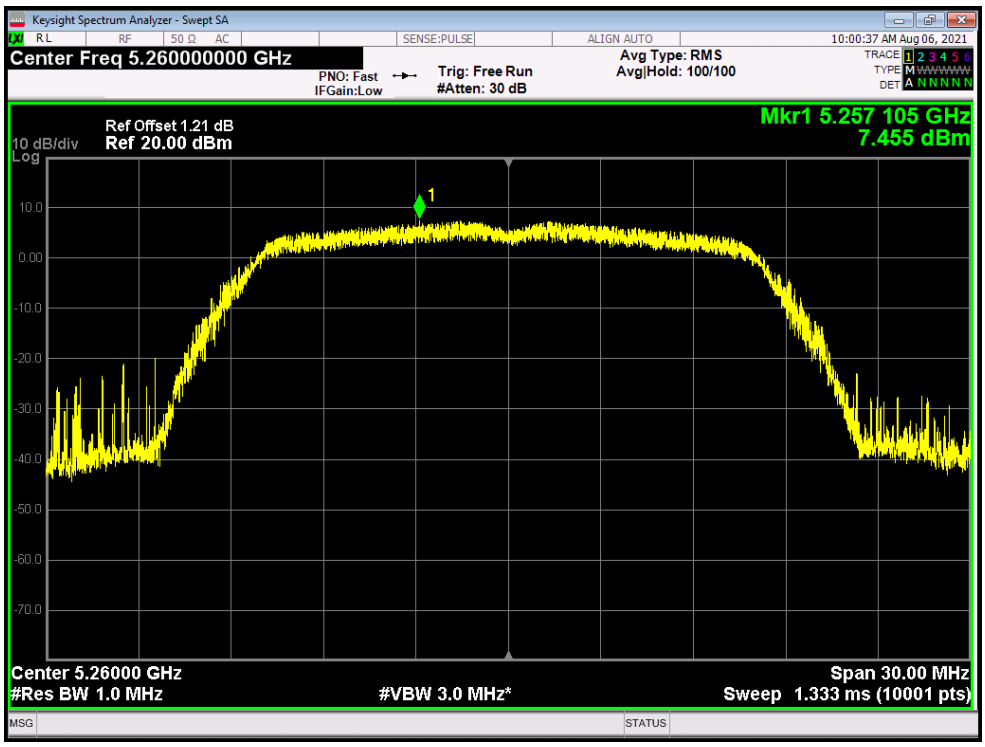
OBW NVNT n40 5310MHz Ant1



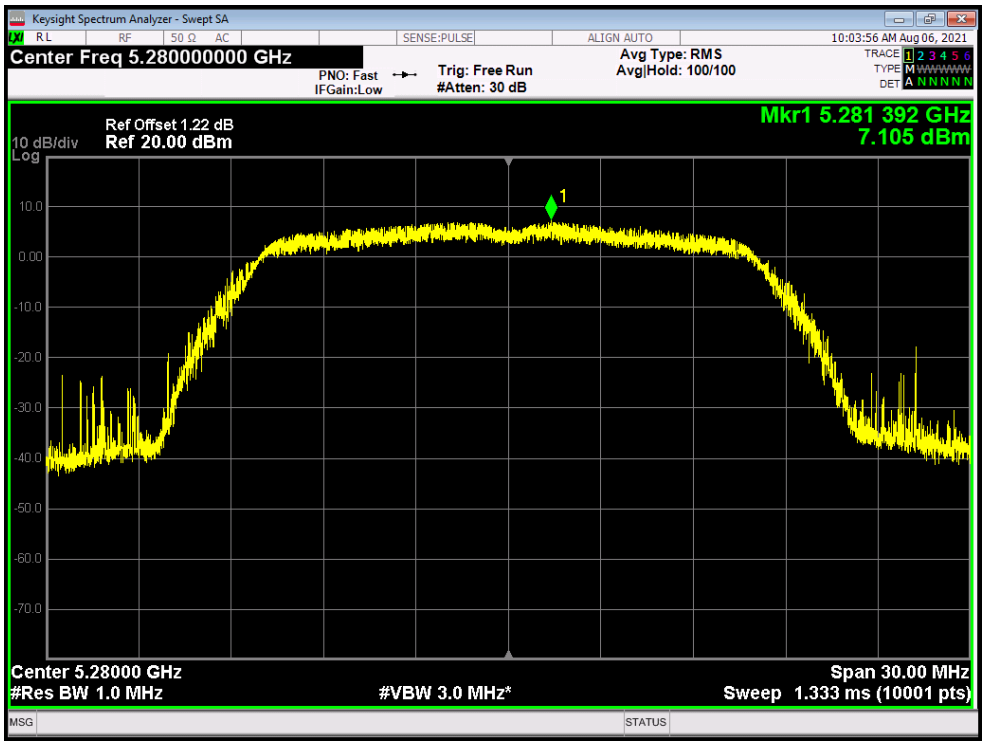
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	7.455	11	Pass
NVNT	a	5280	Ant1	7.105	11	Pass
NVNT	a	5320	Ant1	7.365	11	Pass
NVNT	ac20	5260	Ant1	8.583	11	Pass
NVNT	ac20	5280	Ant1	6.667	11	Pass
NVNT	ac20	5320	Ant1	6.363	11	Pass
NVNT	ac40	5270	Ant1	4.491	11	Pass
NVNT	ac40	5310	Ant1	3.488	11	Pass
NVNT	ac80	5290	Ant1	0.525	11	Pass
NVNT	n20	5260	Ant1	7.967	11	Pass
NVNT	n20	5280	Ant1	6.764	11	Pass
NVNT	n20	5320	Ant1	5.661	11	Pass
NVNT	n40	5270	Ant1	4.275	11	Pass
NVNT	n40	5310	Ant1	2.961	11	Pass

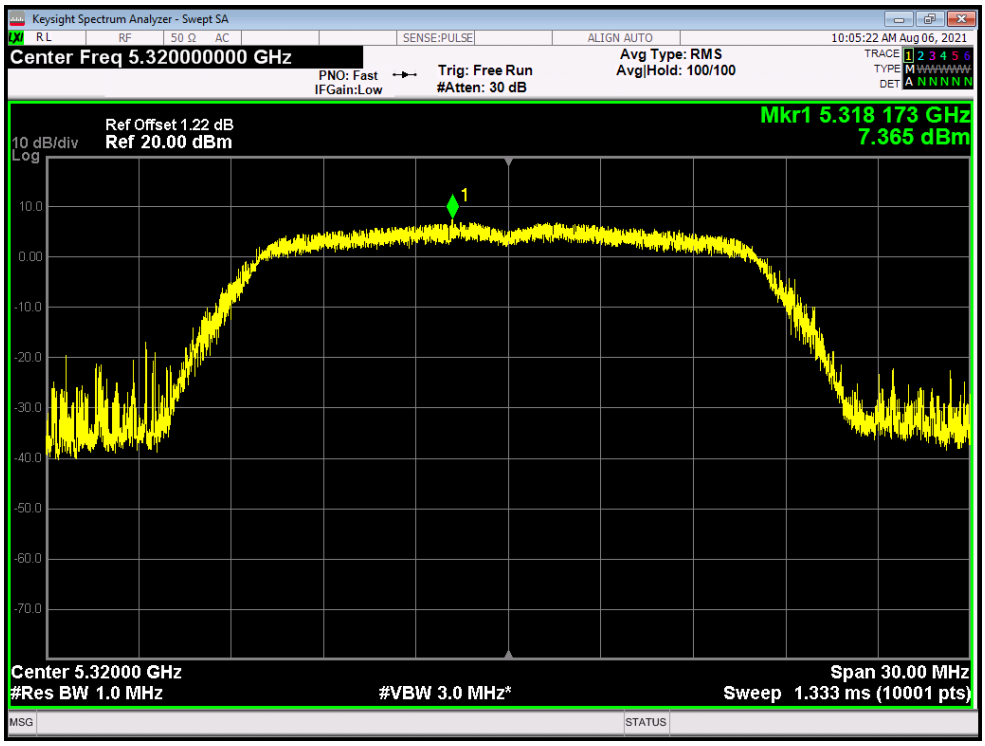
PSD NVNT a 5260MHz Ant1



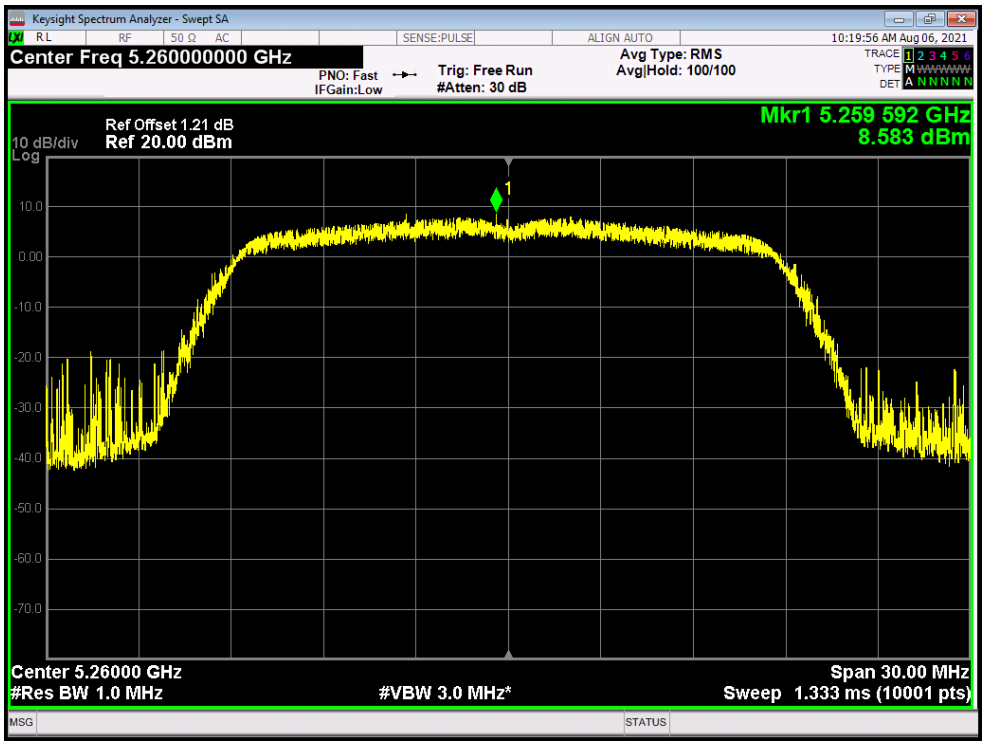
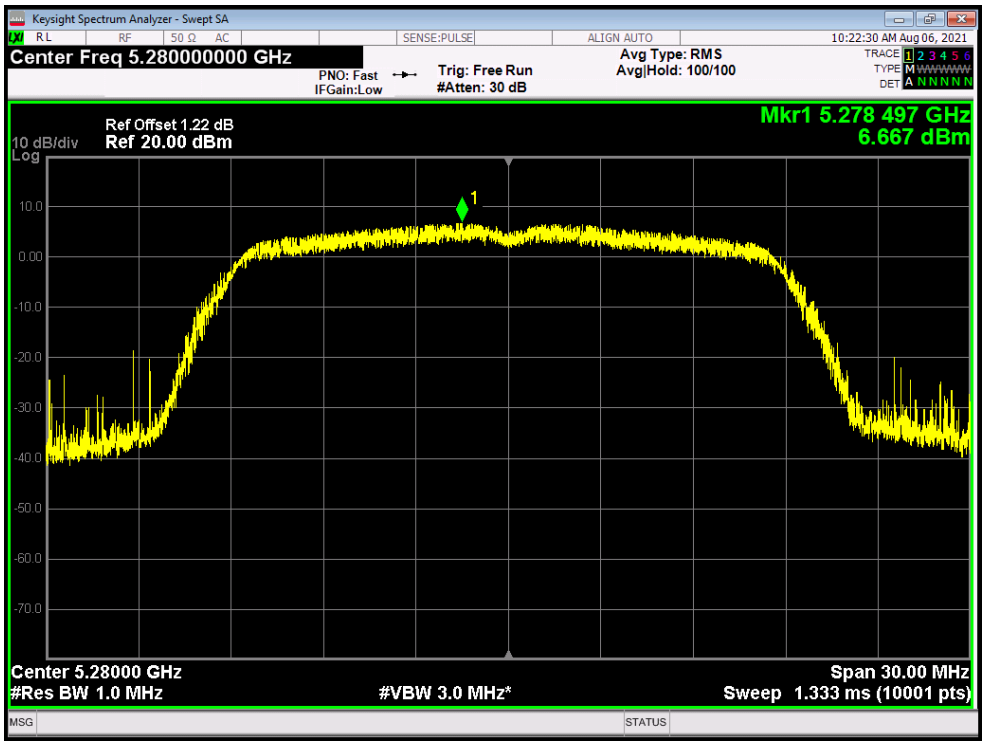
PSD NVNT a 5280MHz Ant1



PSD NVNT a 5320MHz Ant1



PSD NVNT ac20 5260MHz Ant1



PSD NVNT ac20 5280MHz Ant1