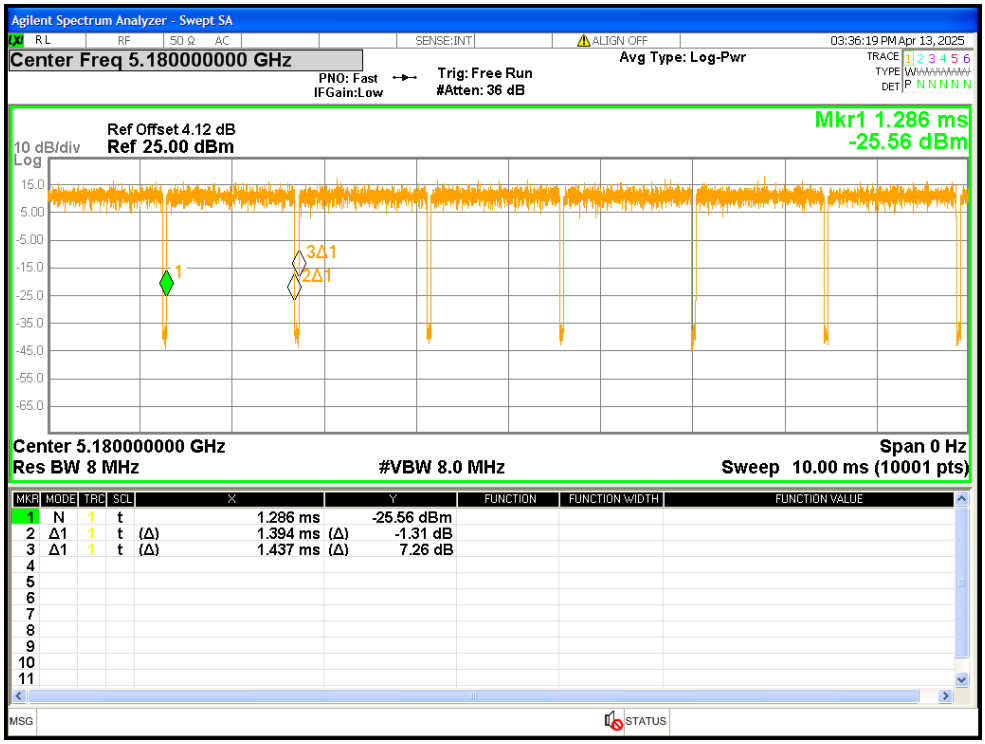
Duty Cycle

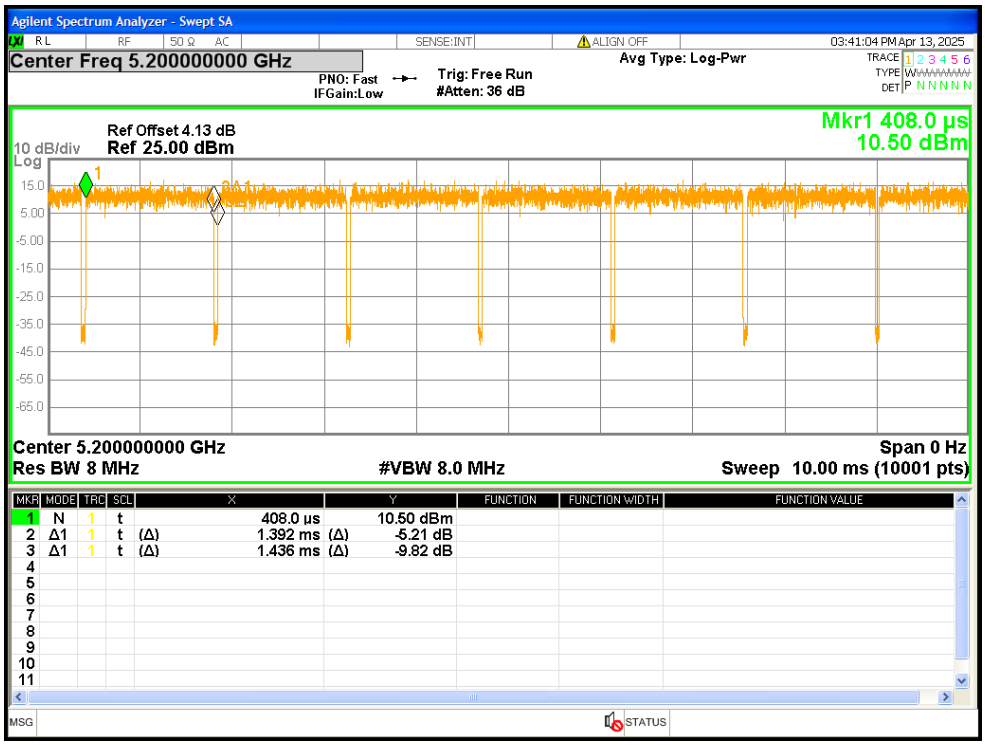
Condition	Mode	Frequency (MHz)	On Time (ms)	Period (ms)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	1.394	1.437	97.01	0.13	0.72
NVNT	a	5200	1.392	1.436	96.94	0.13	0.72
NVNT	a	5240	1.392	1.437	96.87	0.14	0.72
NVNT	n20	5180	1.299	1.344	96.65	0.15	0.77
NVNT	n20	5200	1.302	1.347	96.66	0.15	0.77
NVNT	n20	5240	1.299	1.344	96.65	0.15	0.77
NVNT	n40	5190	0.649	0.693	93.65	0.28	1.54
NVNT	n40	5230	0.649	0.693	93.65	0.28	1.54
NVNT	ac20	5180	1.313	1.356	96.83	0.14	0.76
NVNT	ac20	5200	1.312	1.356	96.76	0.14	0.76
NVNT	ac20	5240	1.312	1.356	96.76	0.14	0.76
NVNT	ac40	5190	0.654	0.696	93.97	0.27	1.53
NVNT	ac40	5230	0.654	0.697	93.83	0.28	1.53
NVNT	ac80	5210	0.326	0.369	88.35	0.54	3.06

Test Graphs

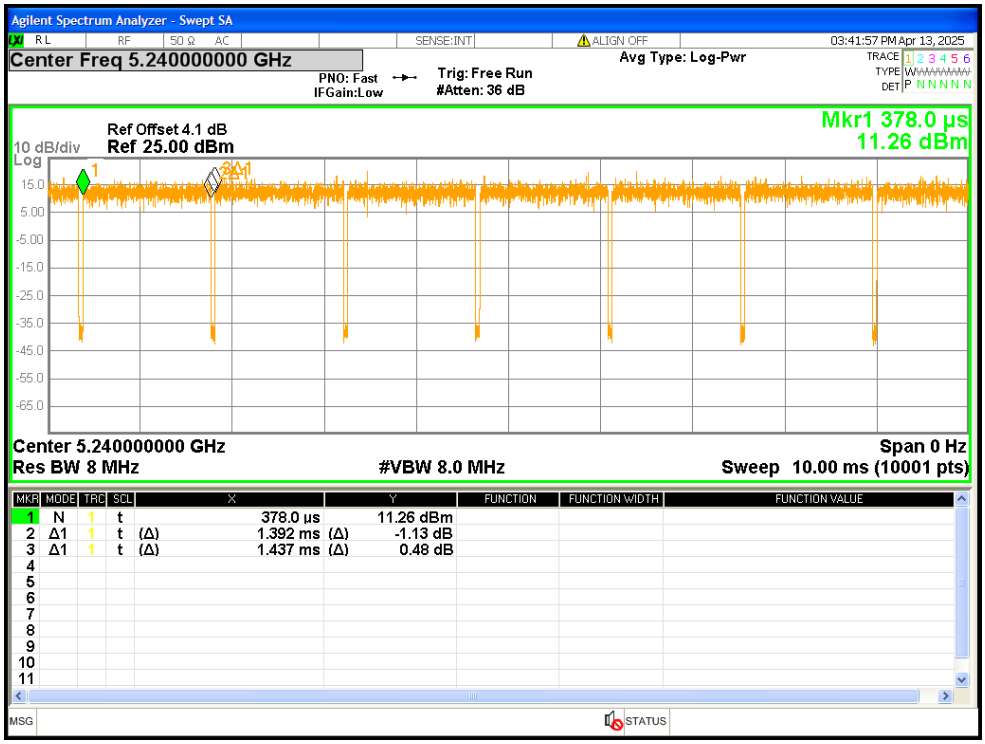
Duty Cycle NVNT a 5180MHz



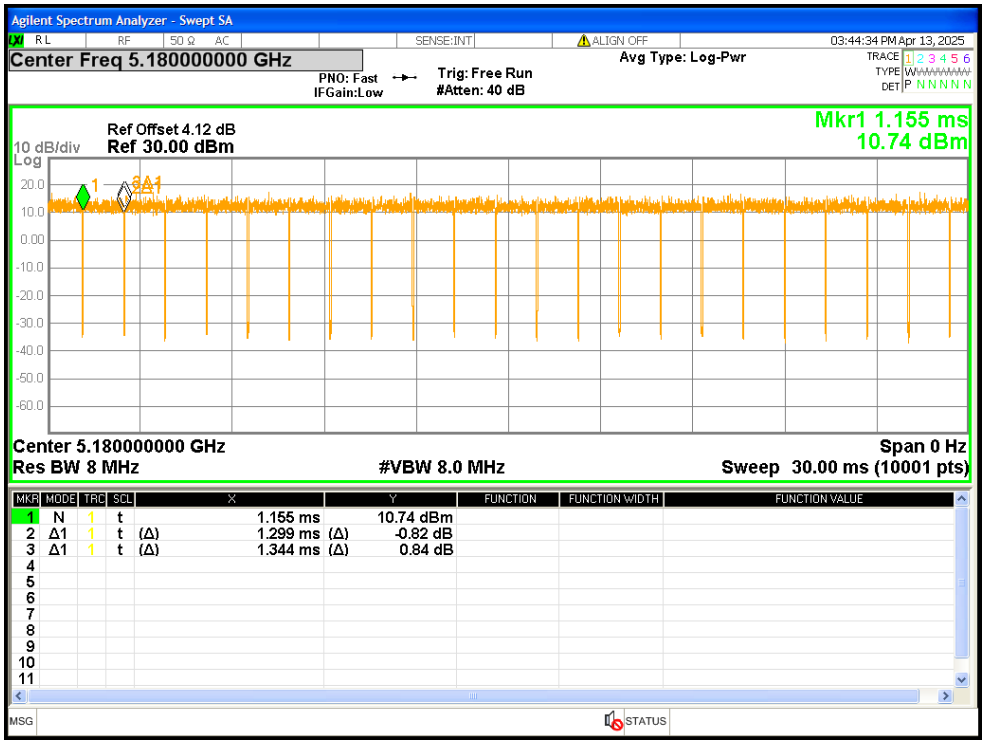
Duty Cycle NVNT a 5200MHz



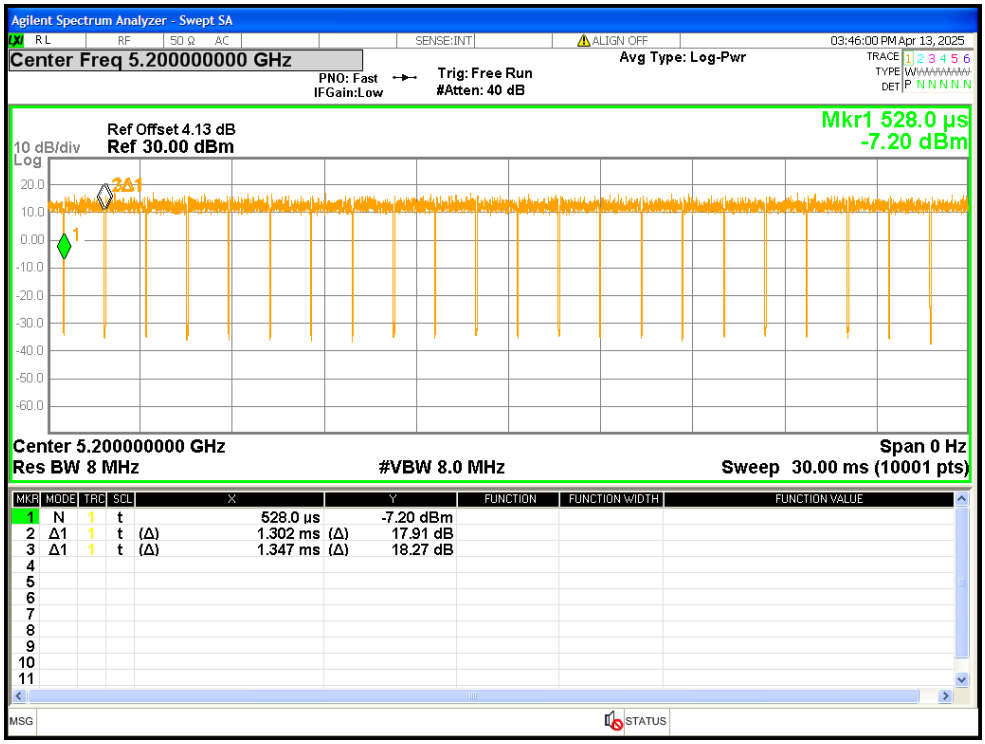
Duty Cycle NVNT a 5240MHz



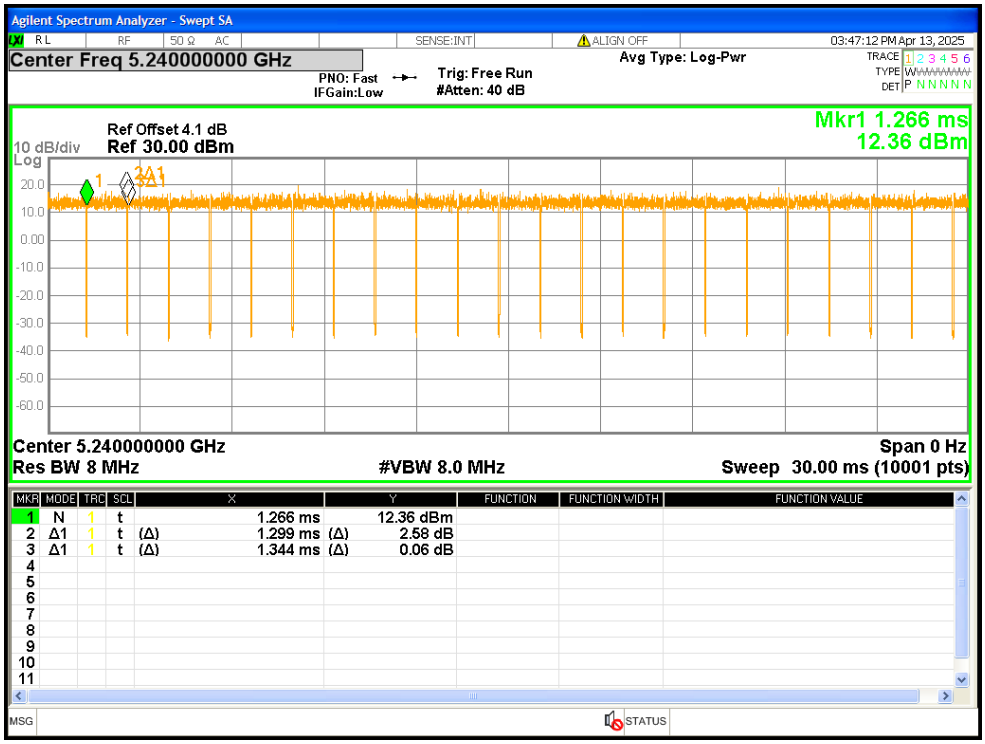
Duty Cycle NVNT n20 5180MHz



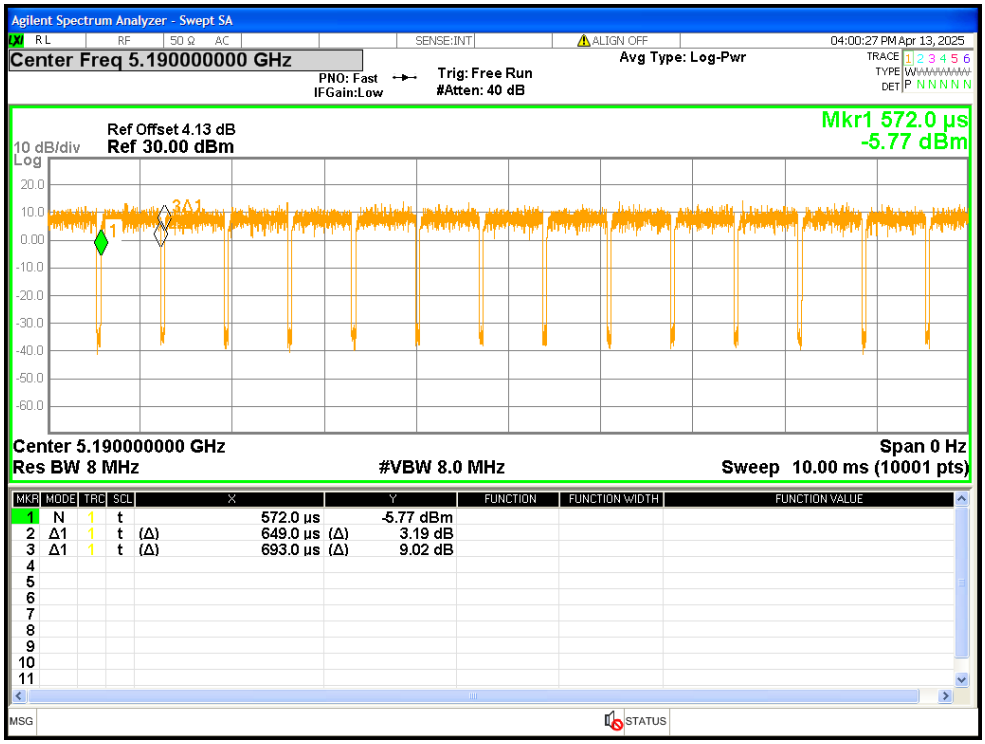
Duty Cycle NVNT n20 5200MHz



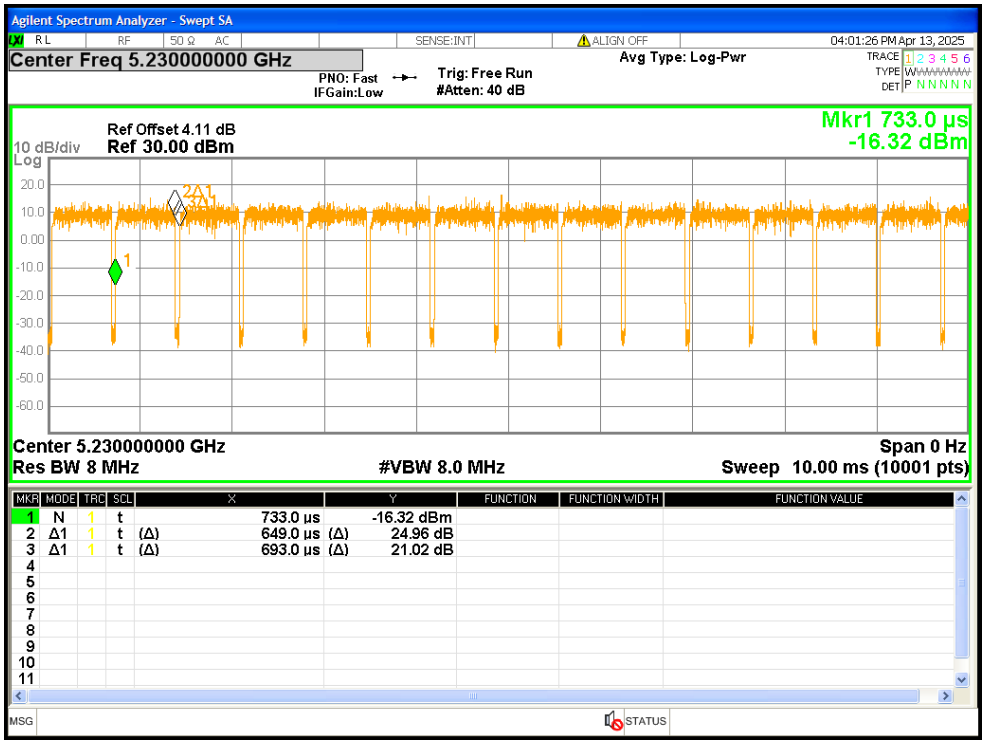
Duty Cycle NVNT n20 5240MHz



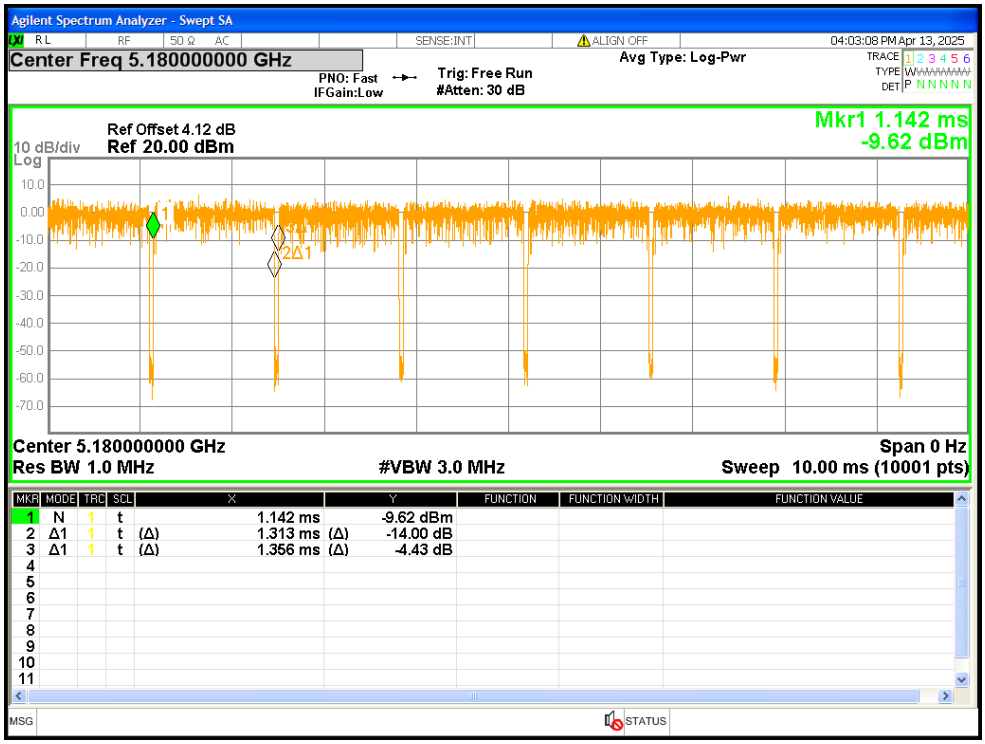
Duty Cycle NVNT n40 5190MHz



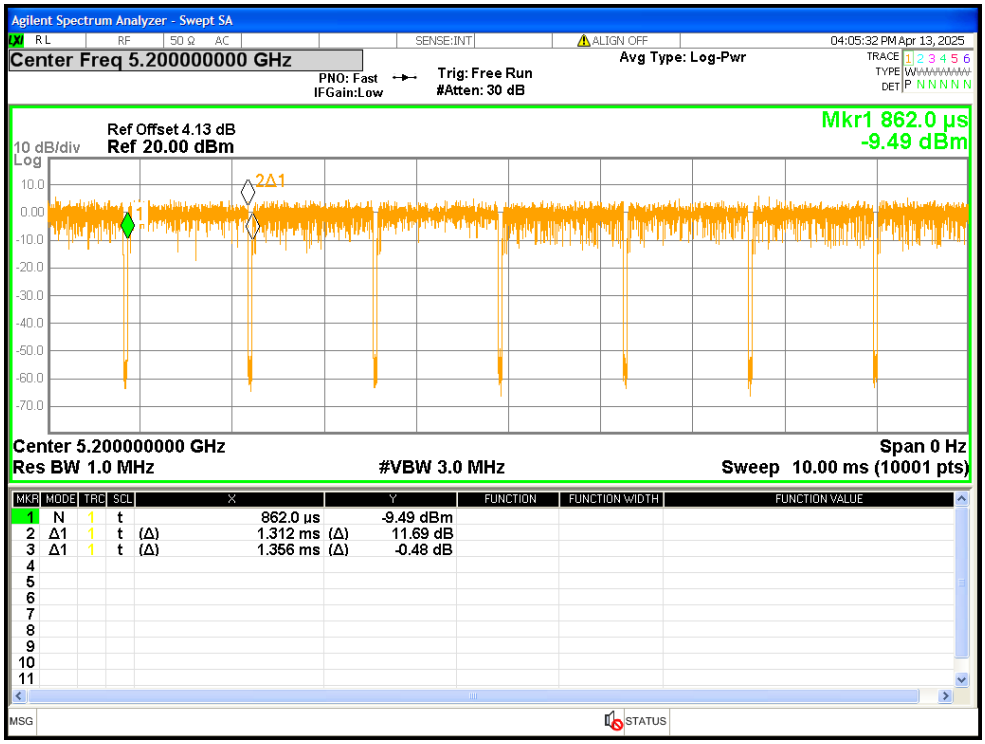
Duty Cycle NVNT n40 5230MHz



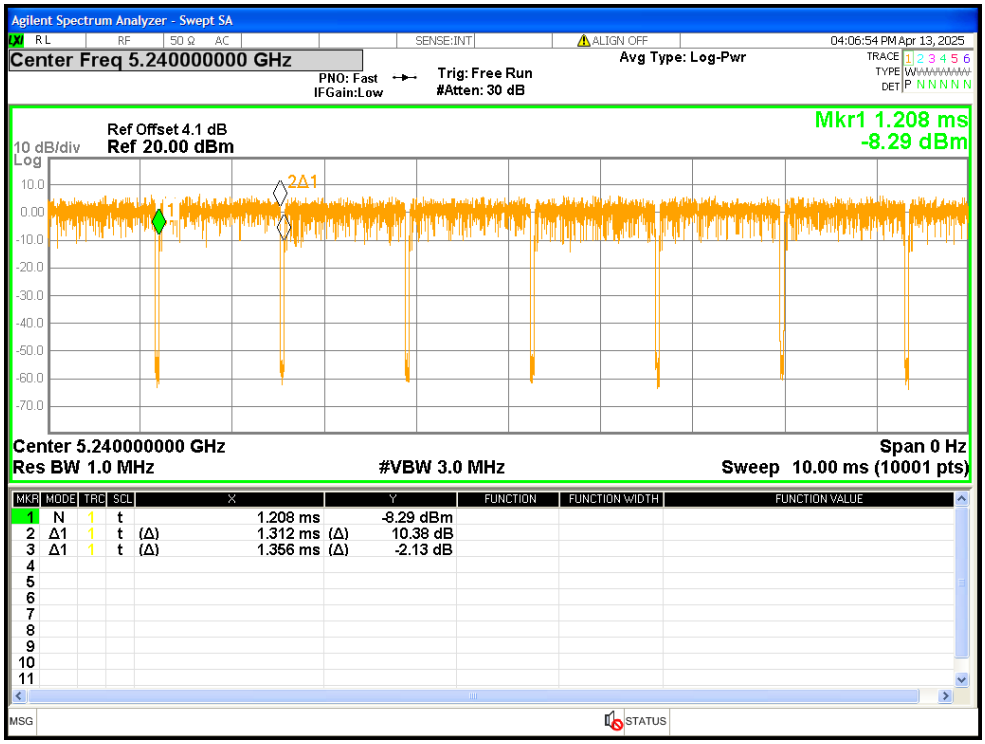
Duty Cycle NVNT ac20 5180MHz



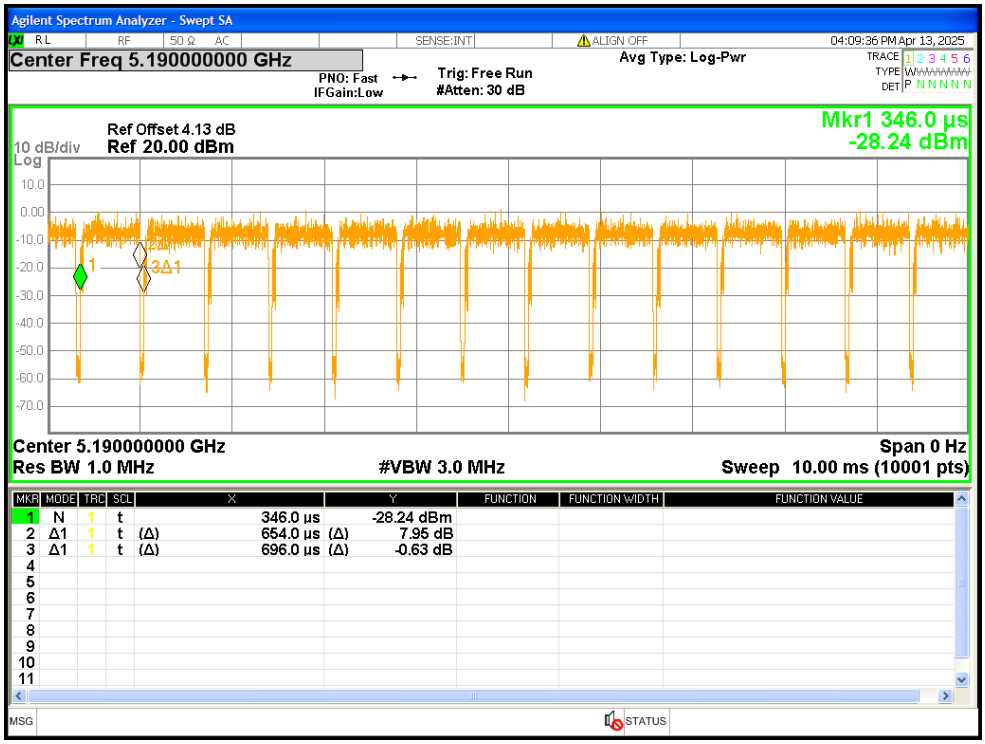
Duty Cycle NVNT ac20 5200MHz



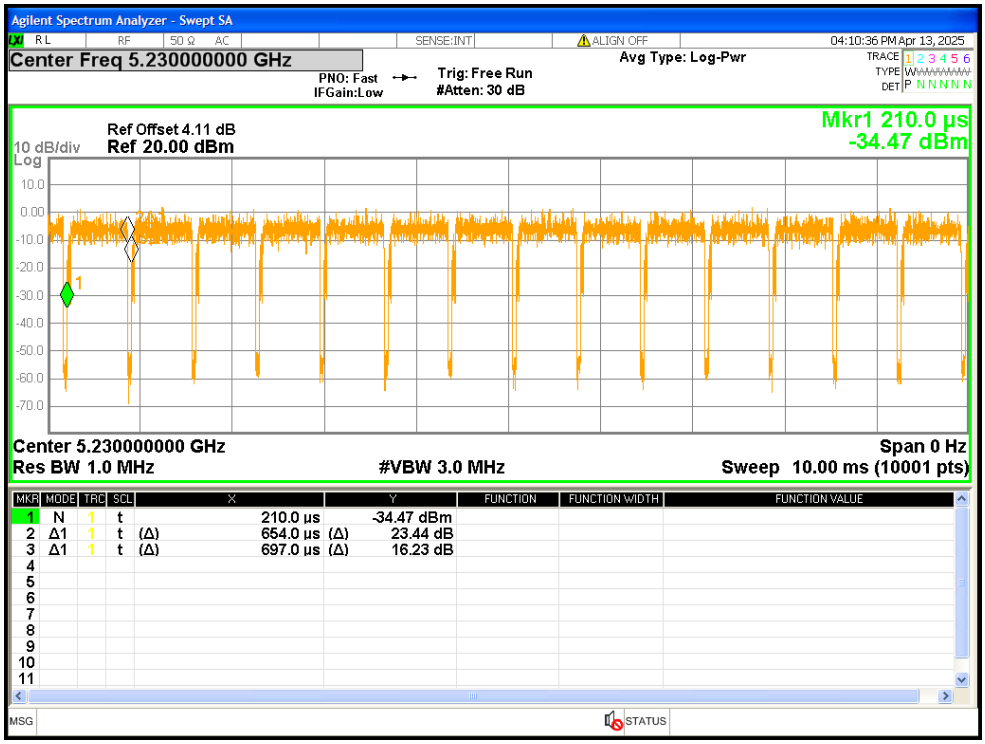
Duty Cycle NVNT ac20 5240MHz



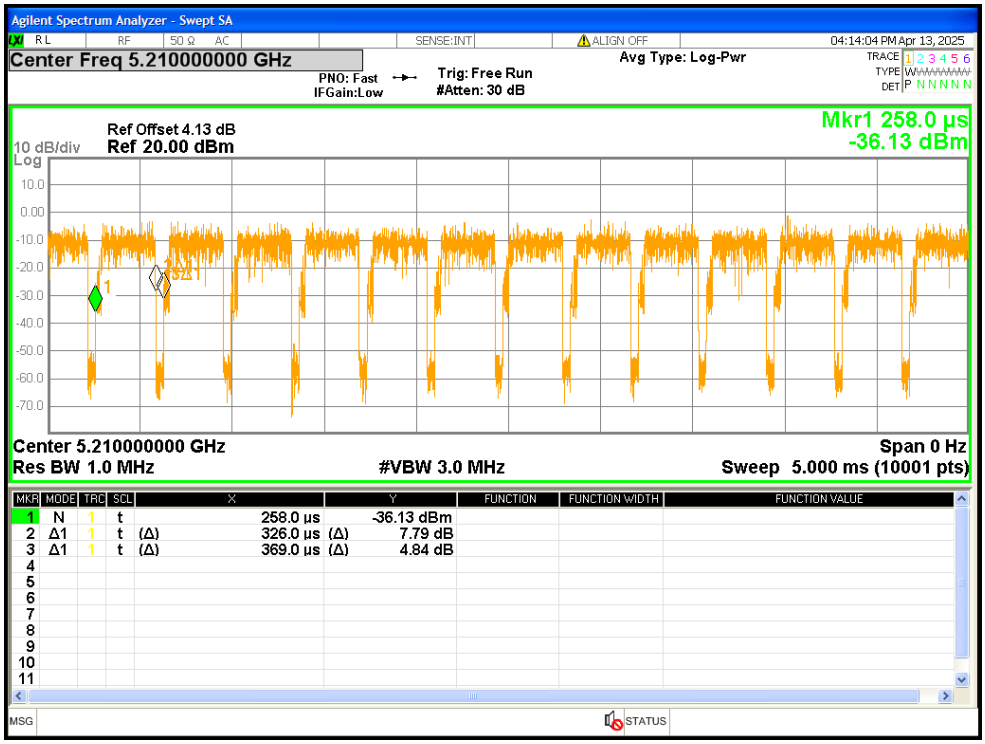
Duty Cycle NVNT ac40 5190MHz



Duty Cycle NVNT ac40 5230MHz



Duty Cycle NVNT ac80 5210MHz

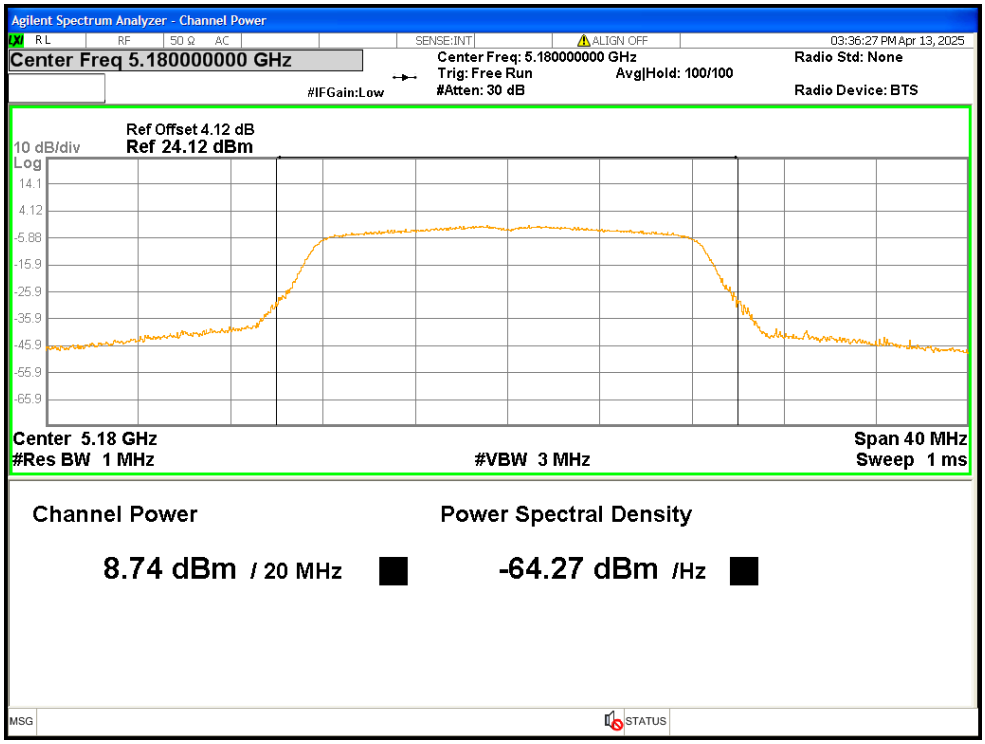


Maximum Conducted Output Power

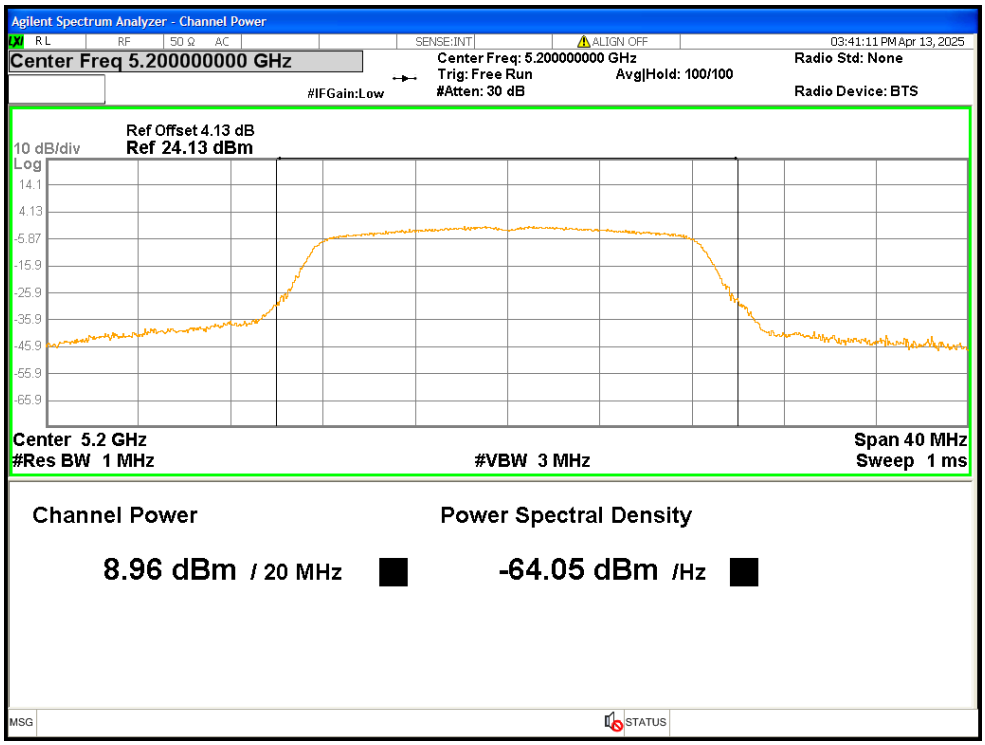
Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	8.74	0.13	8.87	<=24	Pass
NVNT	a	5200	8.96	0.13	9.09	<=24	Pass
NVNT	a	5240	10.12	0.14	10.26	<=24	Pass
NVNT	n20	5180	8.69	0.15	8.84	<=24	Pass
NVNT	n20	5200	8.76	0.15	8.91	<=24	Pass
NVNT	n20	5240	9.96	0.15	10.11	<=24	Pass
NVNT	n40	5190	8.58	0.28	8.86	<=24	Pass
NVNT	n40	5230	9.77	0.28	10.05	<=24	Pass
NVNT	ac20	5180	8.82	0.14	8.96	<=24	Pass
NVNT	ac20	5200	8.73	0.14	8.87	<=24	Pass
NVNT	ac20	5240	10	0.14	10.14	<=24	Pass
NVNT	ac40	5190	8.56	0.27	8.83	<=24	Pass
NVNT	ac40	5230	9.73	0.28	10.01	<=24	Pass
NVNT	ac80	5210	9.04	0.54	9.58	<=24	Pass

Test Graphs

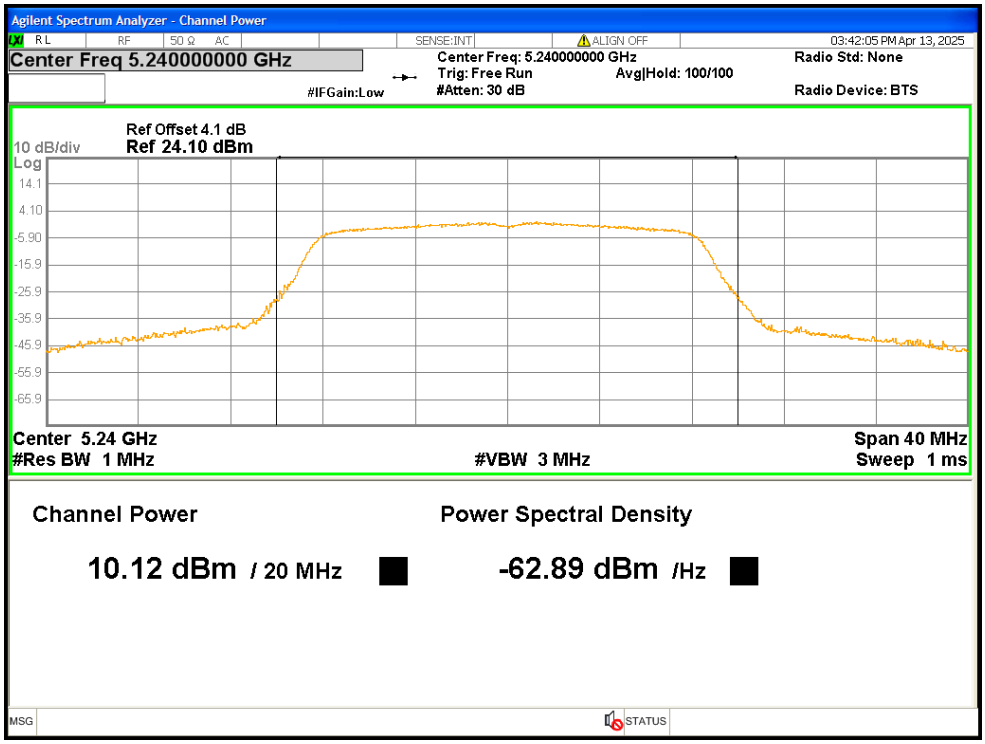
Power NVNT a 5180MHz



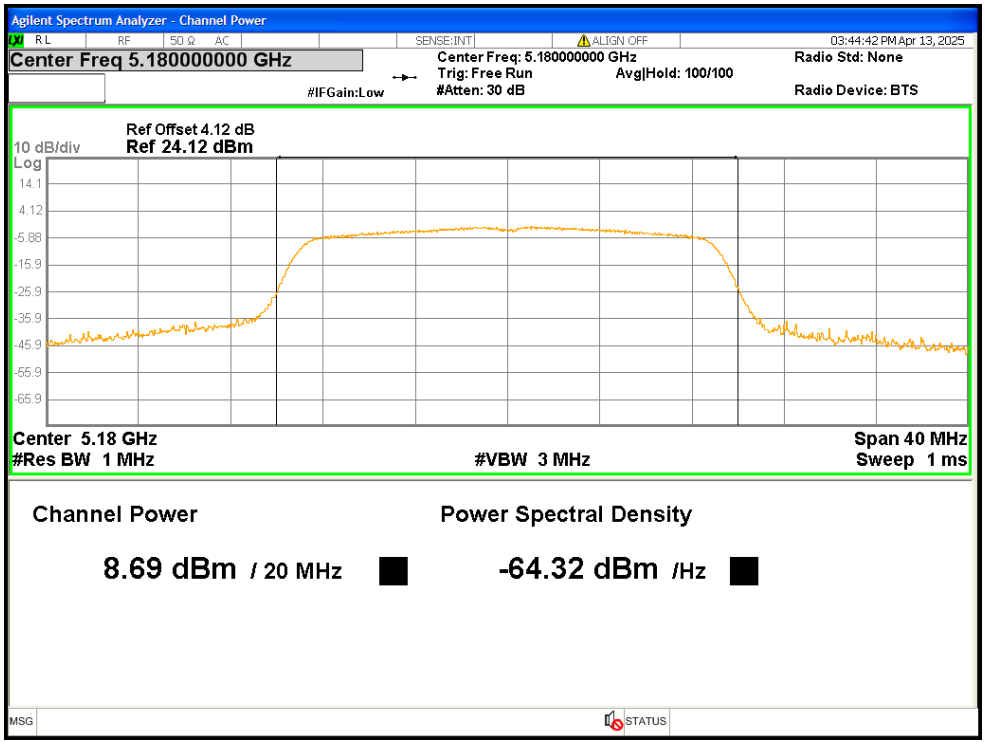
Power NVNT a 5200MHz



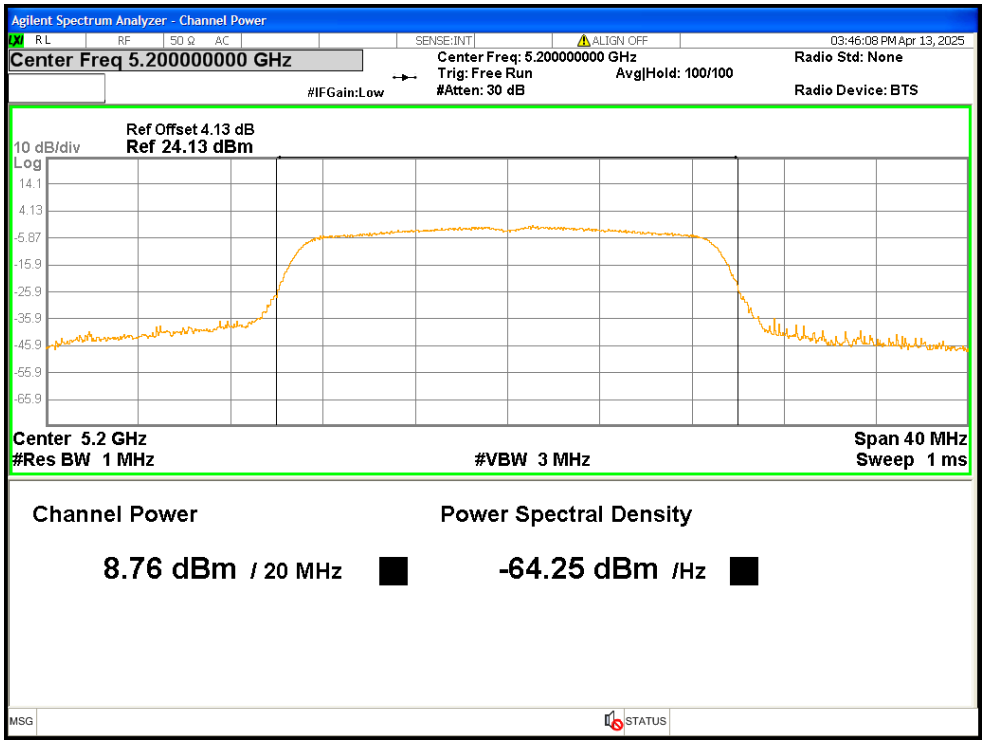
Power NVNT a 5240MHz



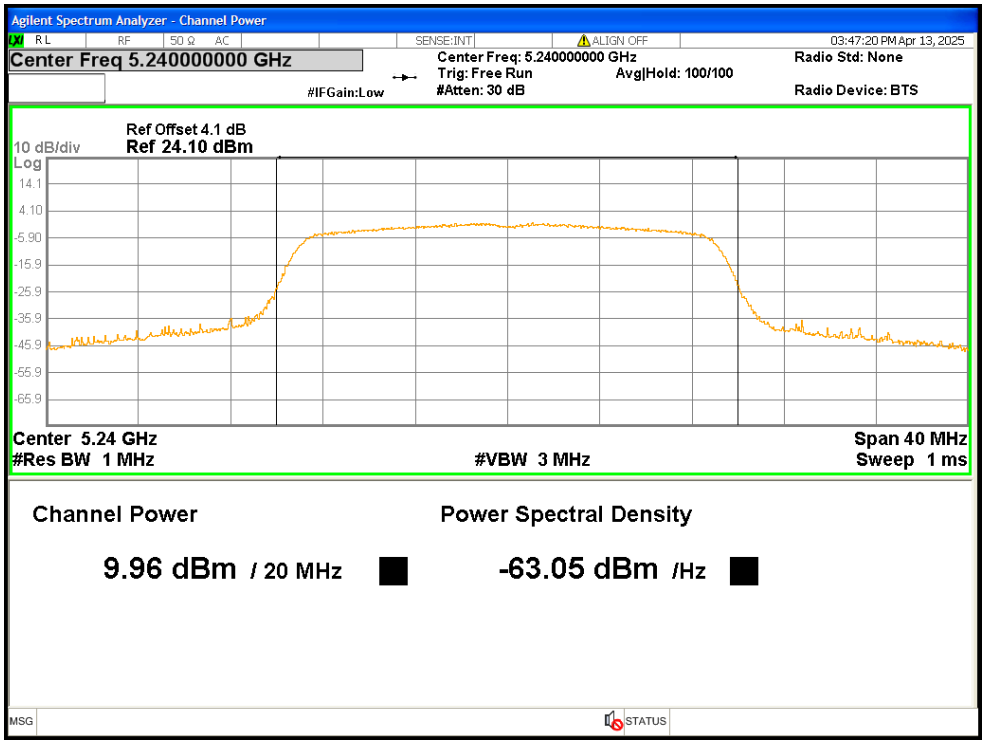
Power NVNT n20 5180MHz



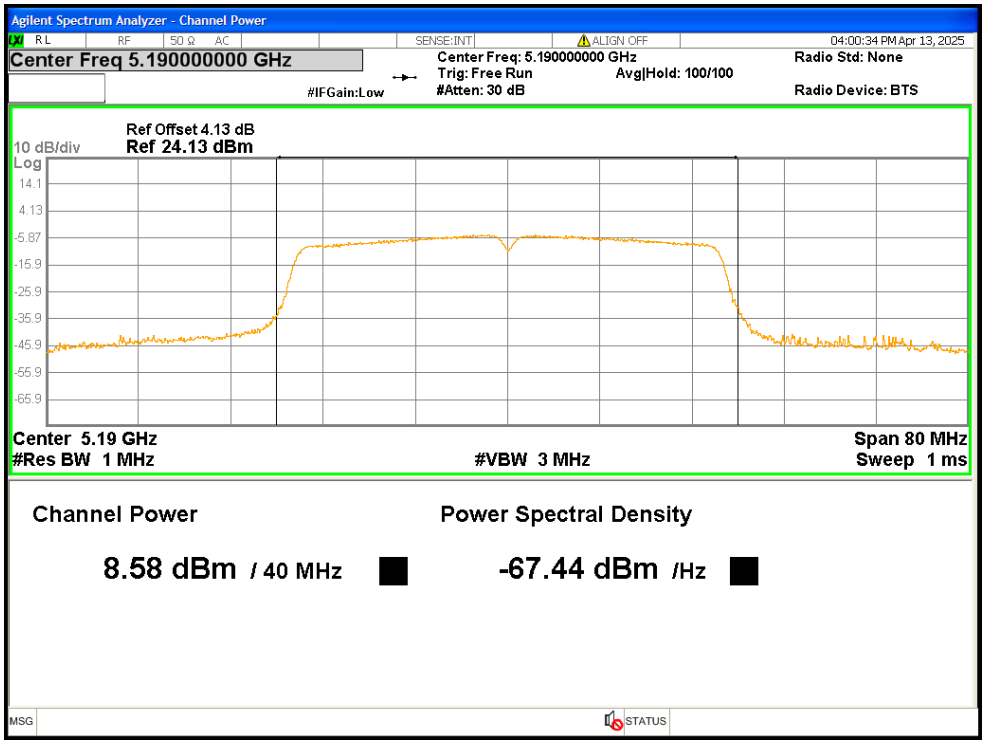
Power NVNT n20 5200MHz



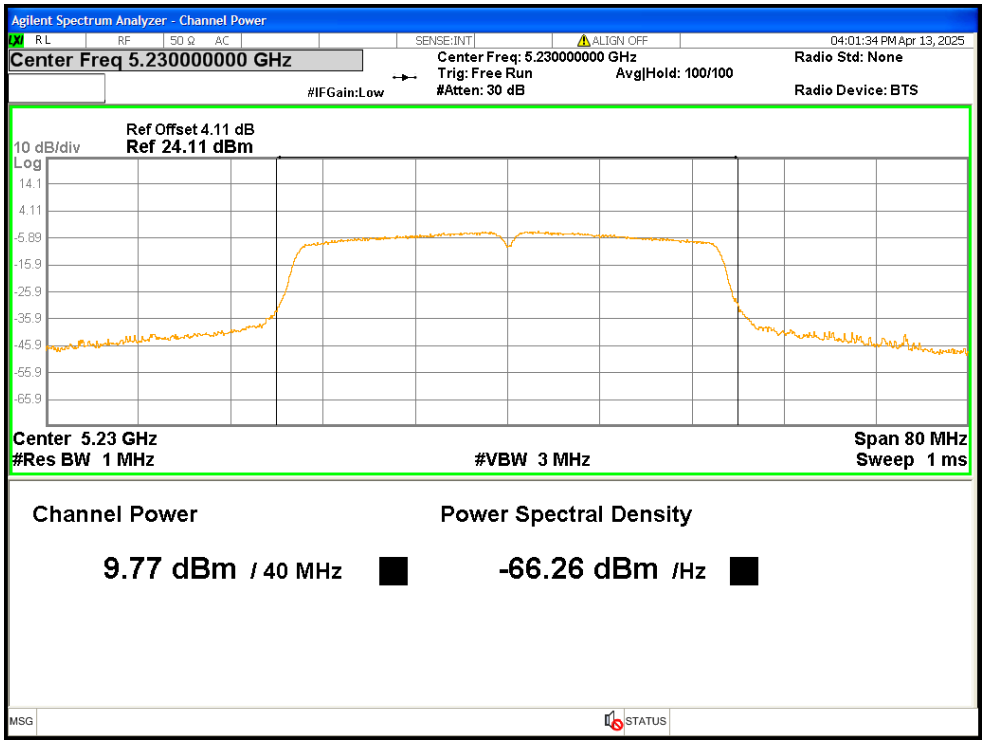
Power NVNT n20 5240MHz



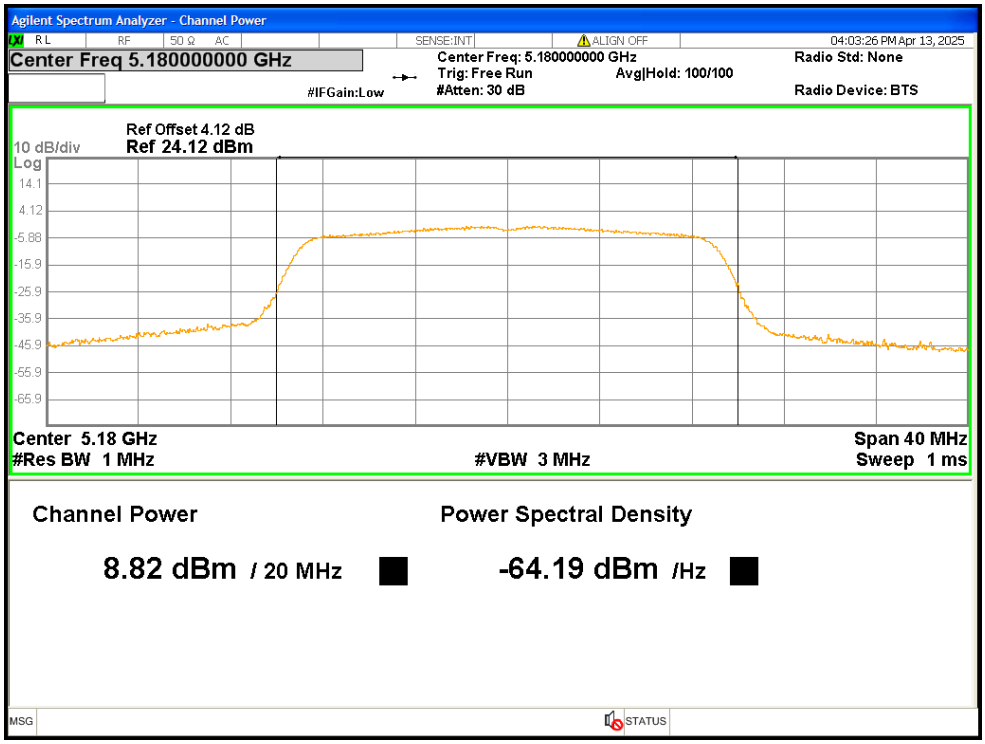
Power NVNT n40 5190MHz



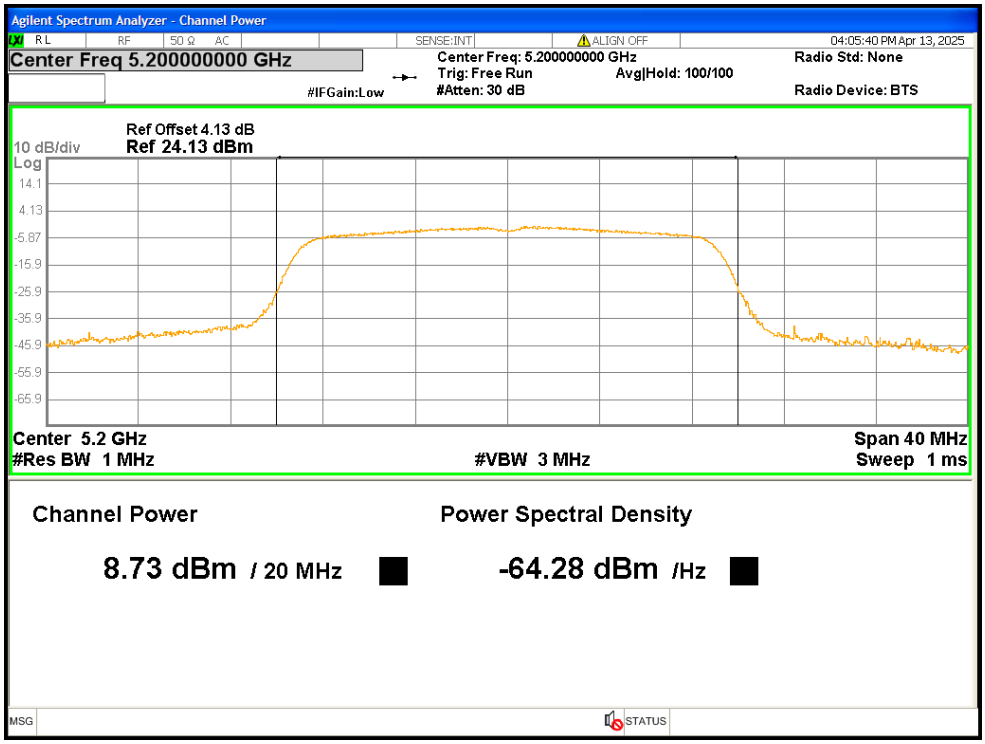
Power NVNT n40 5230MHz



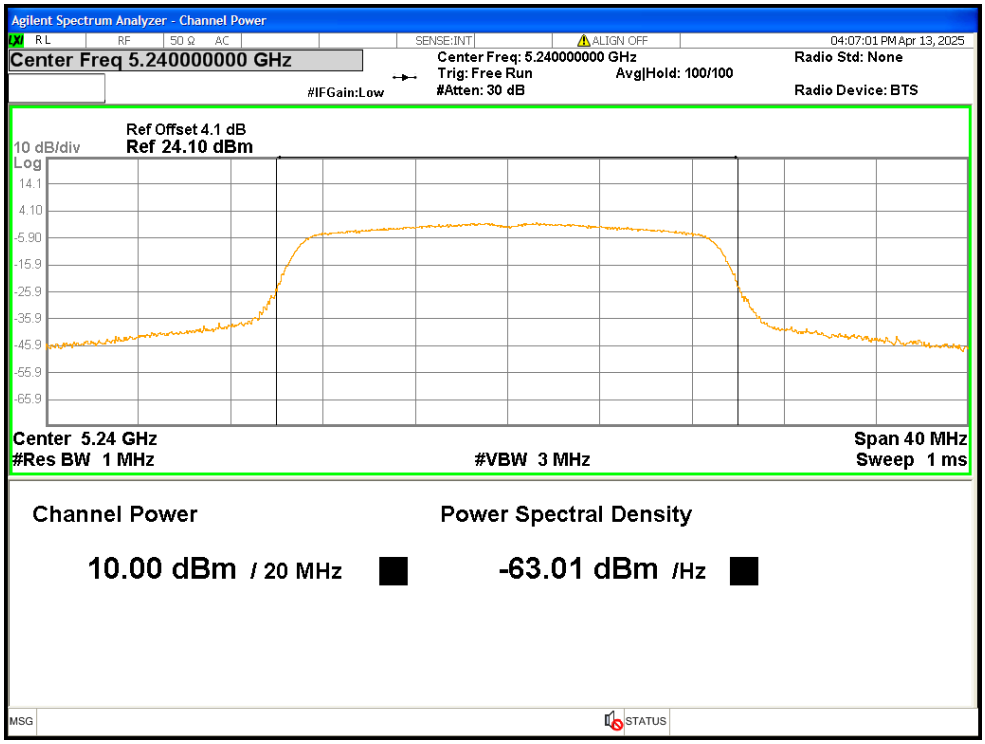
Power NVNT ac20 5180MHz



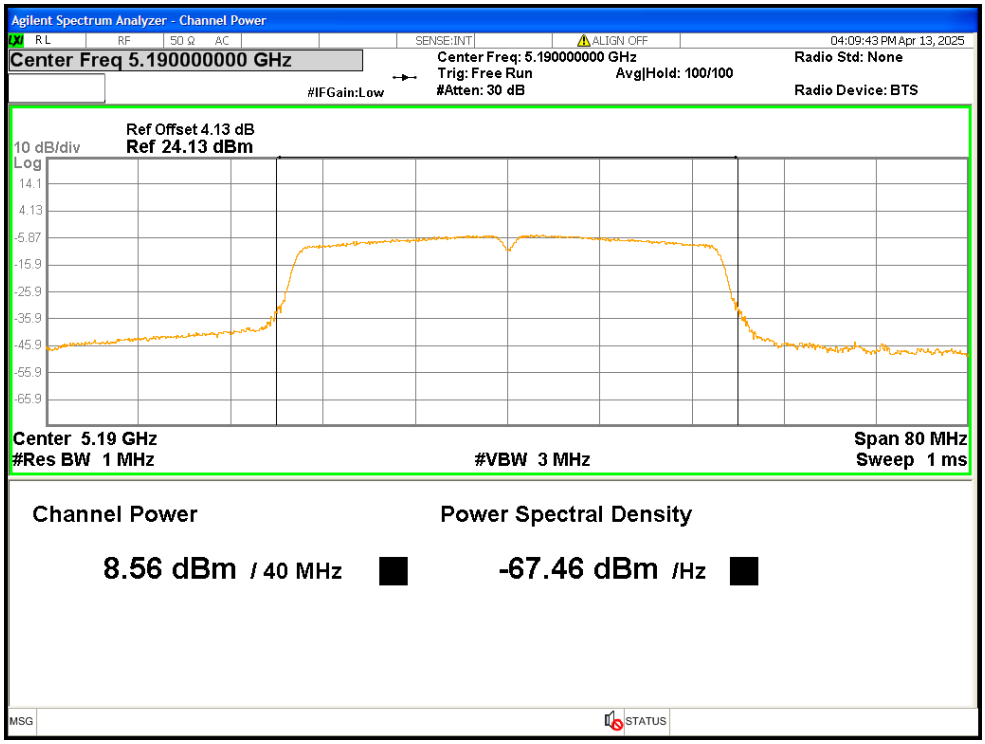
Power NVNT ac20 5200MHz



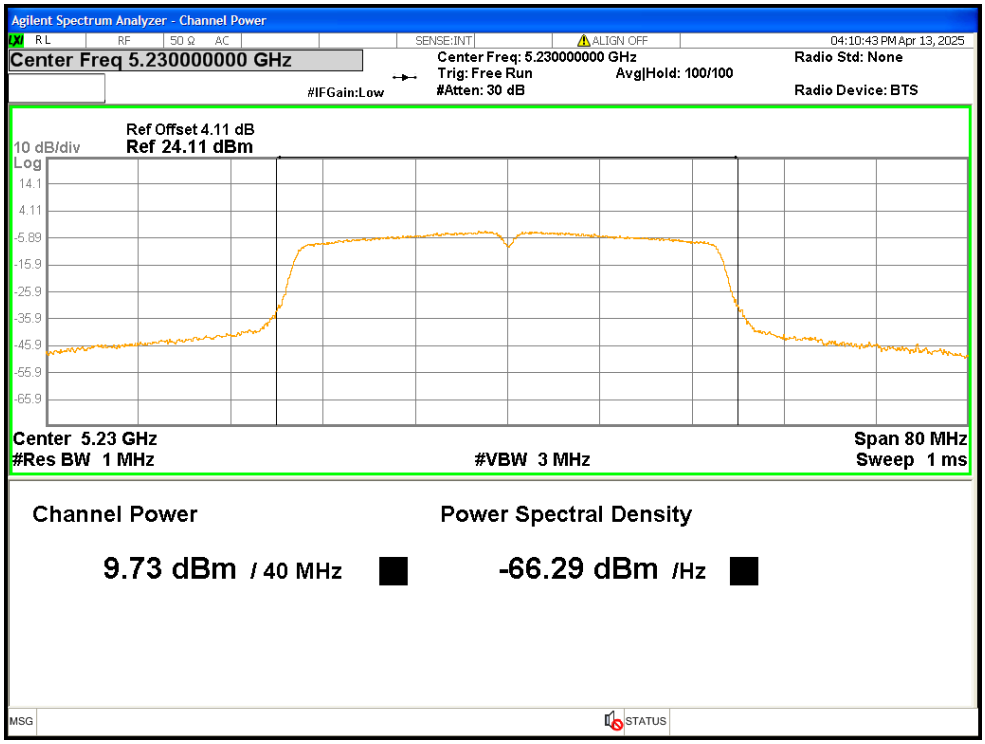
Power NVNT ac20 5240MHz



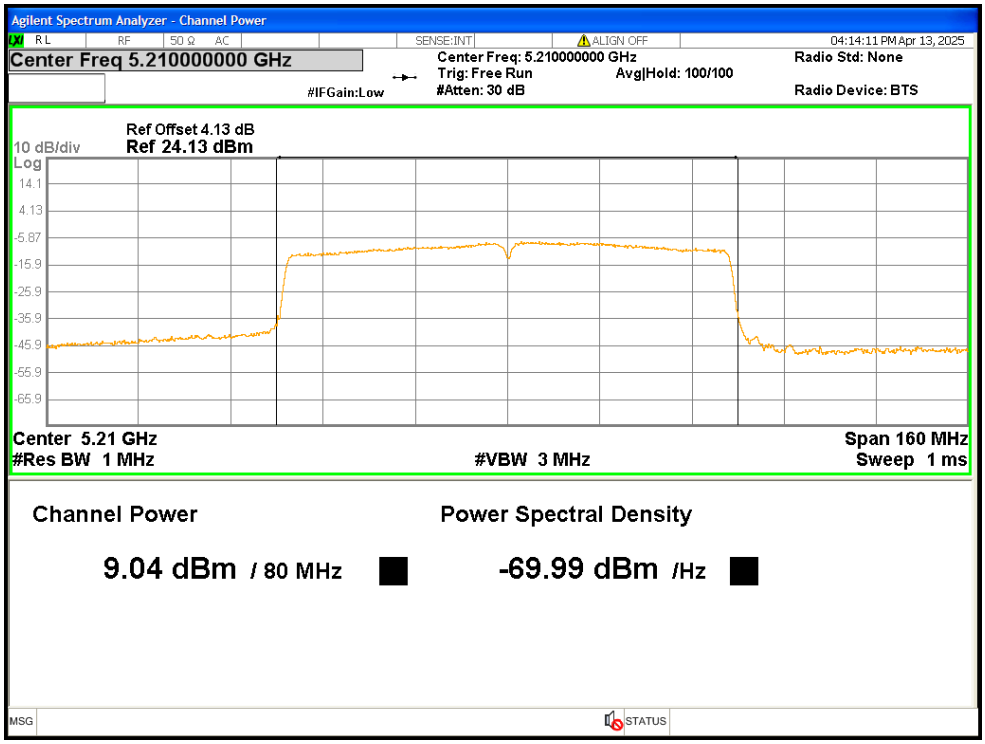
Power NVNT ac40 5190MHz



Power NVNT ac40 5230MHz



Power NVNT ac80 5210MHz

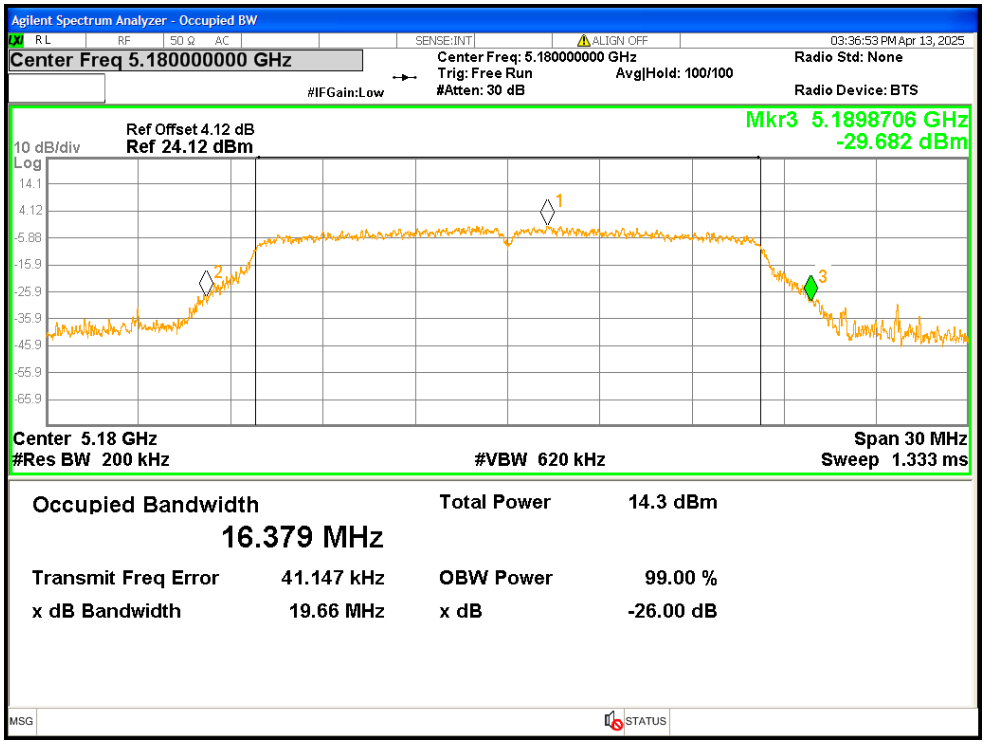


-26dB Bandwidth

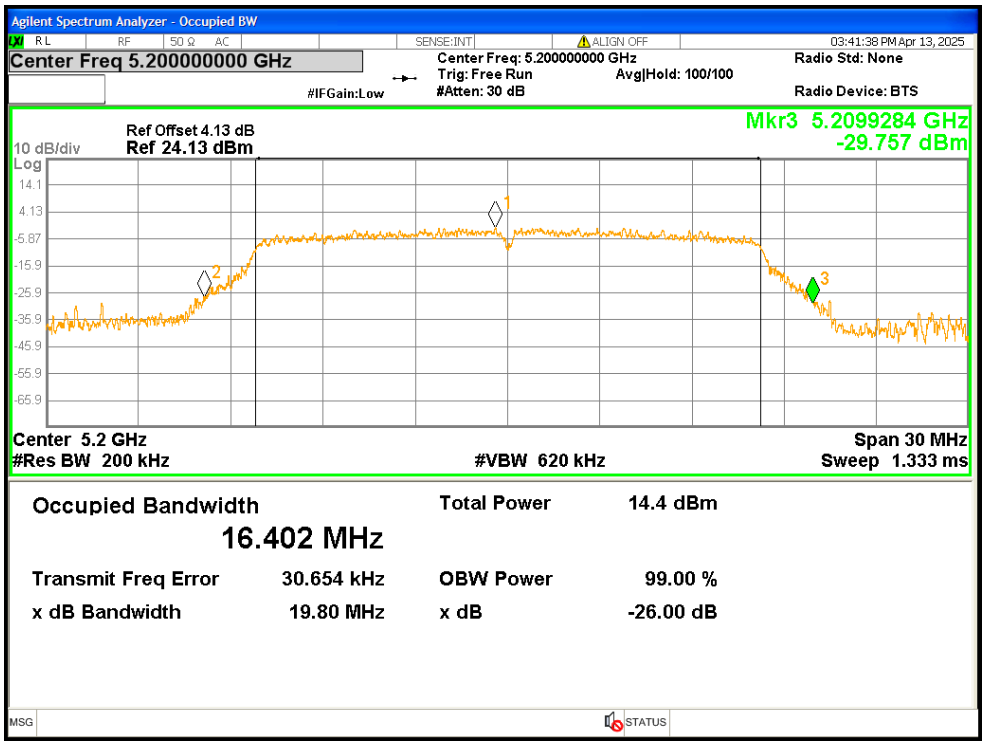
Condition	Mode	Frequency (MHz)	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	19.659	Pass
NVNT	a	5200	19.7956	Pass
NVNT	a	5240	19.5962	Pass
NVNT	n20	5180	19.9816	Pass
NVNT	n20	5200	20.0456	Pass
NVNT	n20	5240	20.0761	Pass
NVNT	n40	5190	40.1127	Pass
NVNT	n40	5230	40.535	Pass
NVNT	ac20	5180	20.17	Pass
NVNT	ac20	5200	20.0055	Pass
NVNT	ac20	5240	20.0854	Pass
NVNT	ac40	5190	40.3399	Pass
NVNT	ac40	5230	39.9221	Pass
NVNT	ac80	5210	79.1884	Pass

Test Graphs

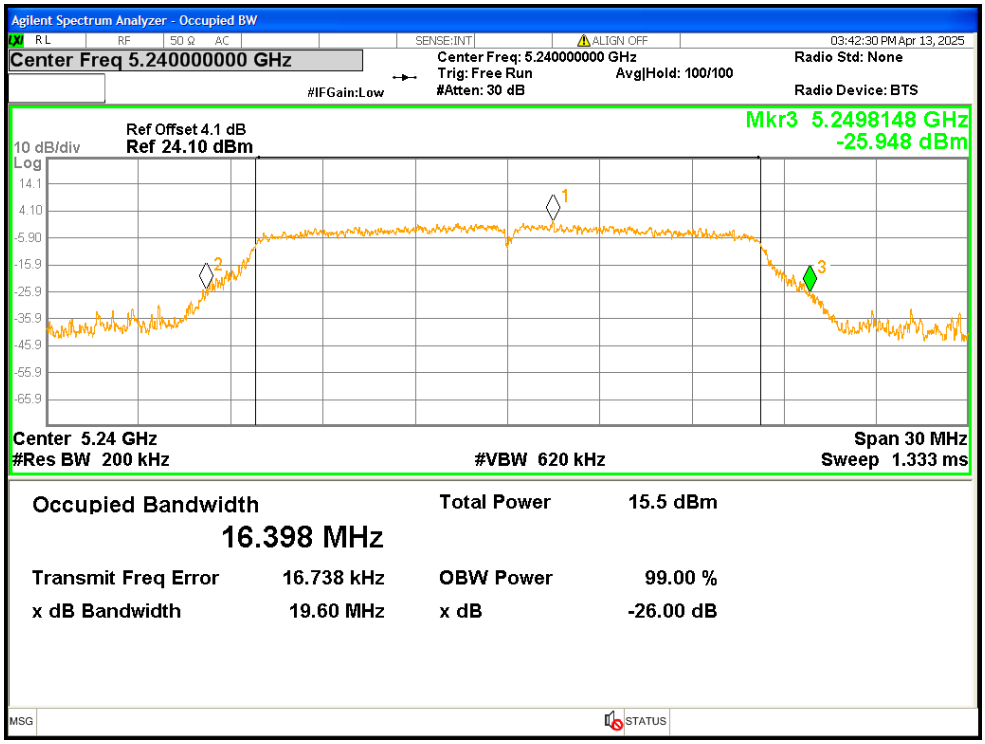
-26dB Bandwidth NVNT a 5180MHz



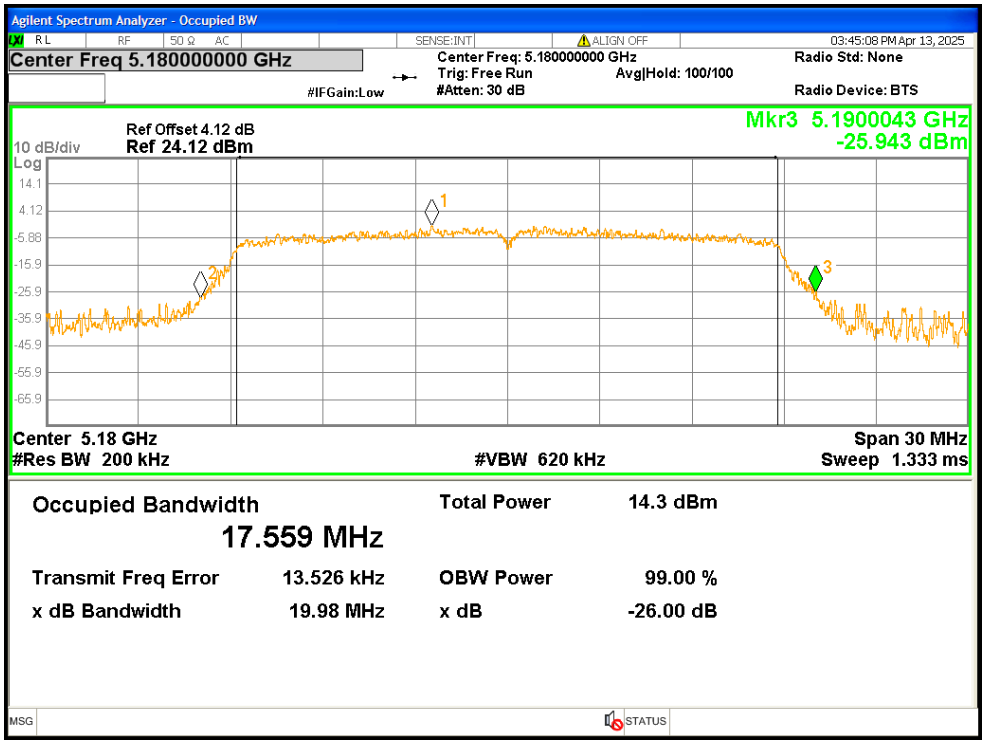
-26dB Bandwidth NVNT a 5200MHz



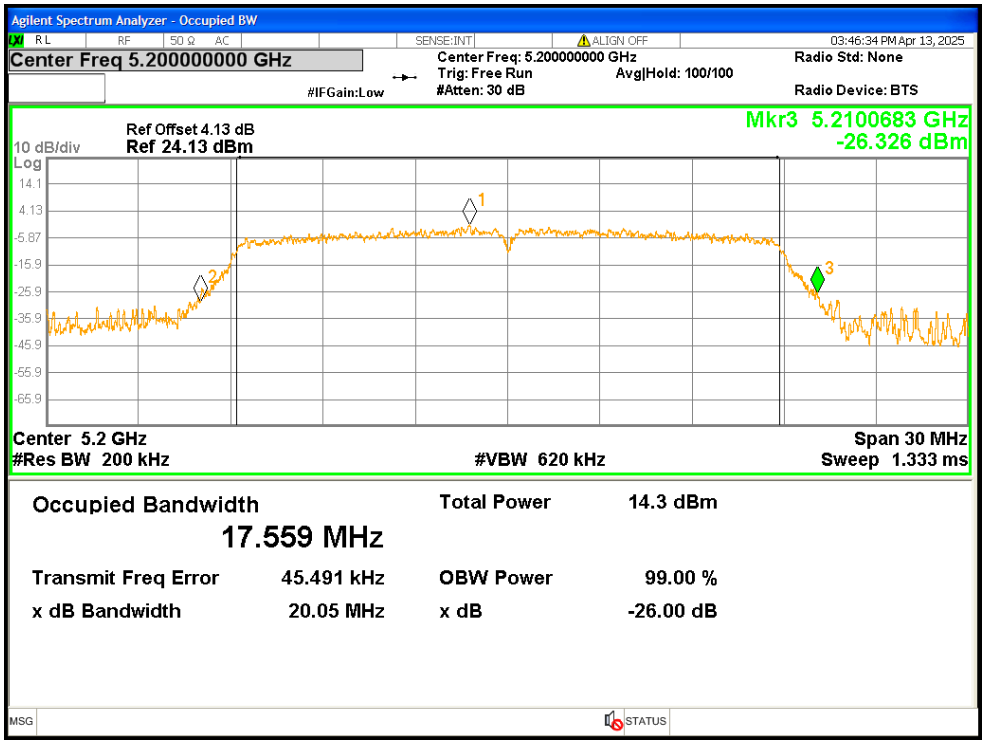
-26dB Bandwidth NVNT a 5240MHz



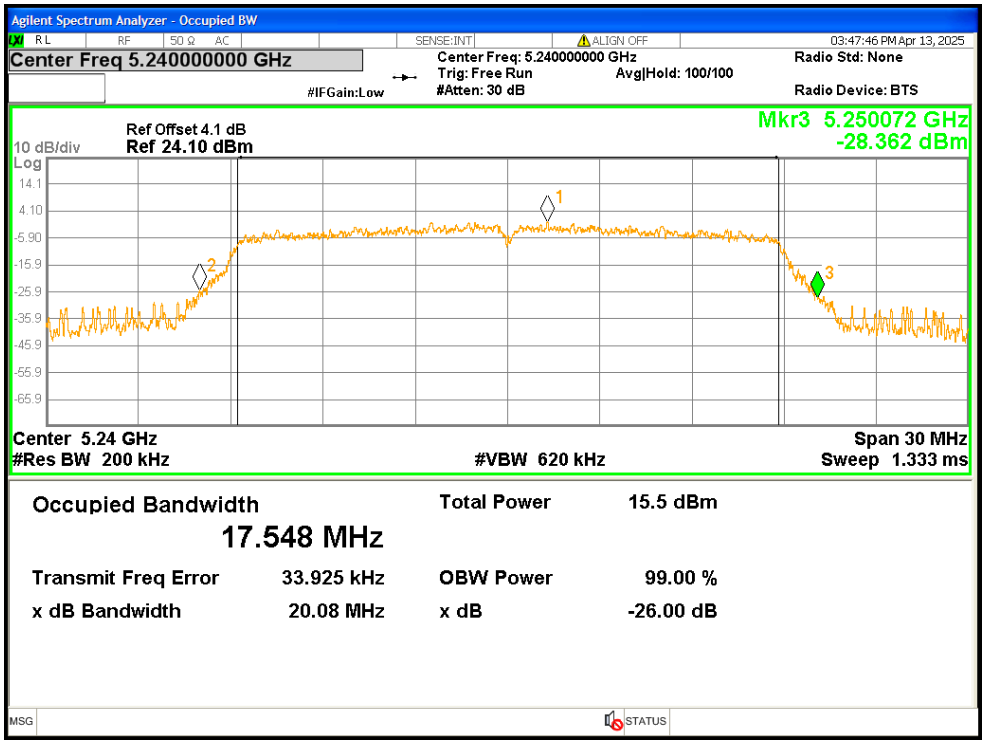
-26dB Bandwidth NVNT n20 5180MHz



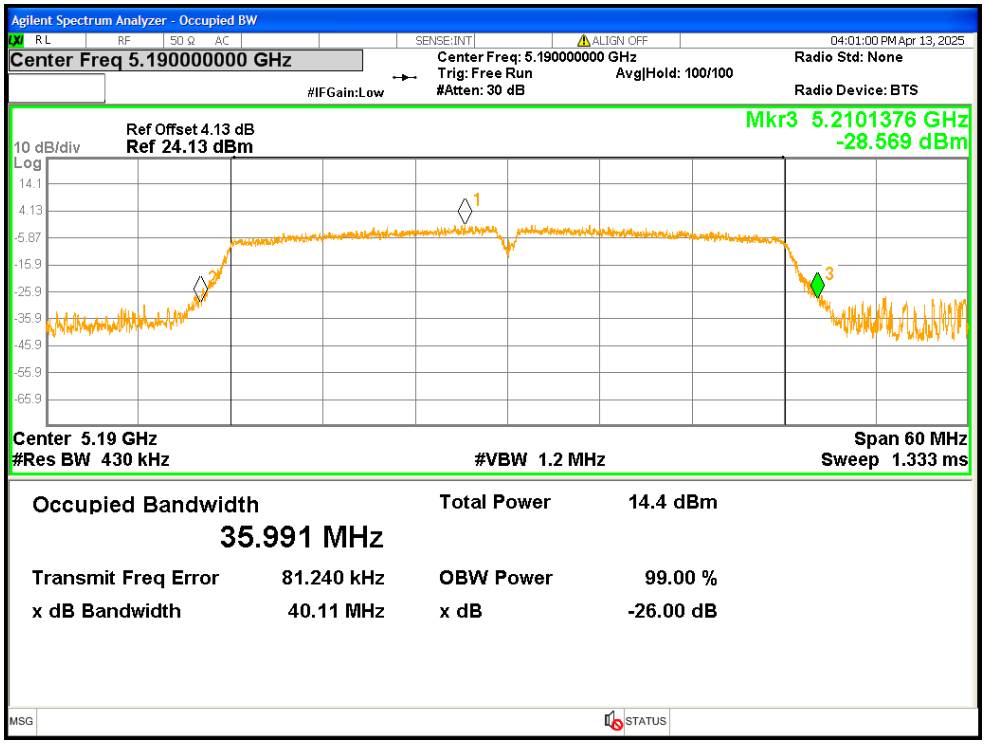
-26dB Bandwidth NVNT n20 5200MHz



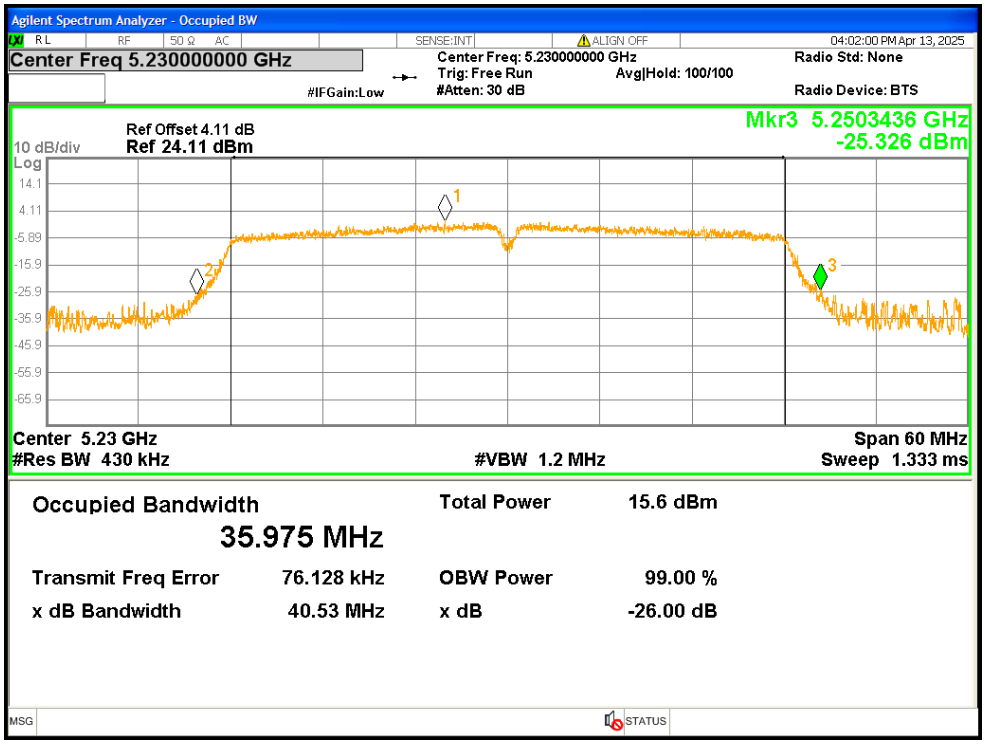
-26dB Bandwidth NVNT n20 5240MHz



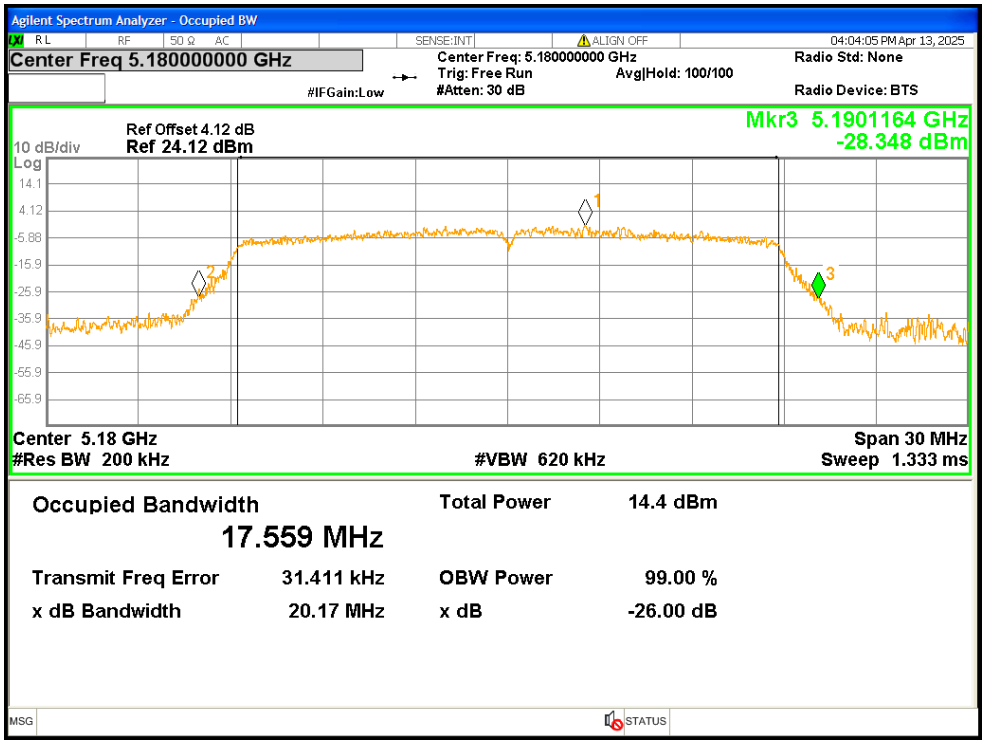
-26dB Bandwidth NVNT n40 5190MHz



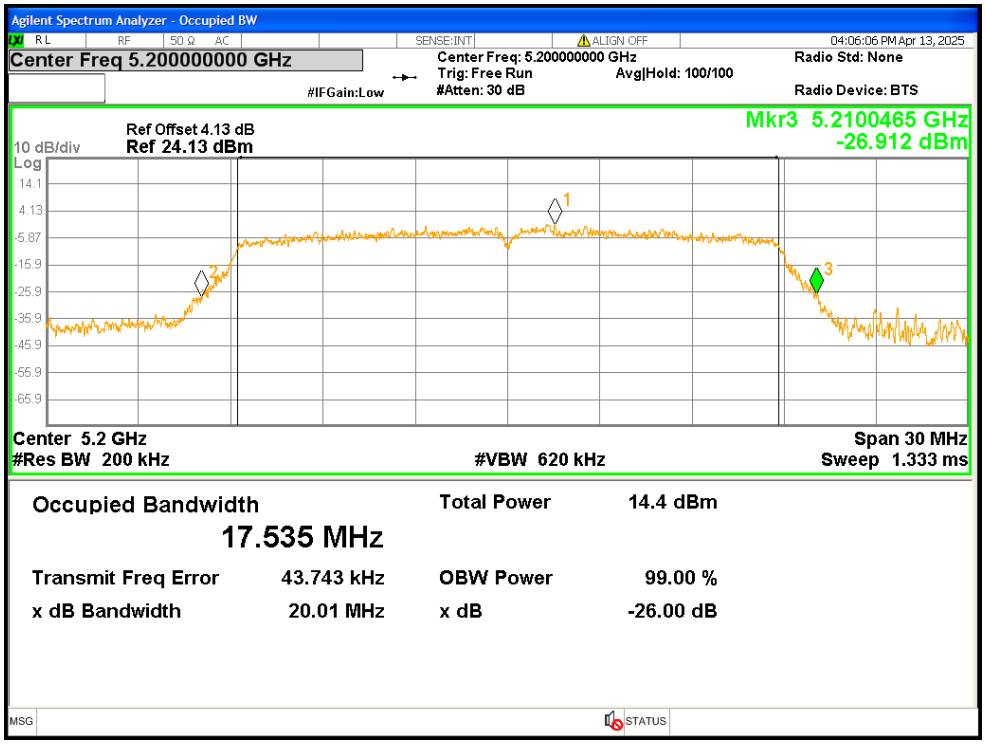
-26dB Bandwidth NVNT n40 5230MHz



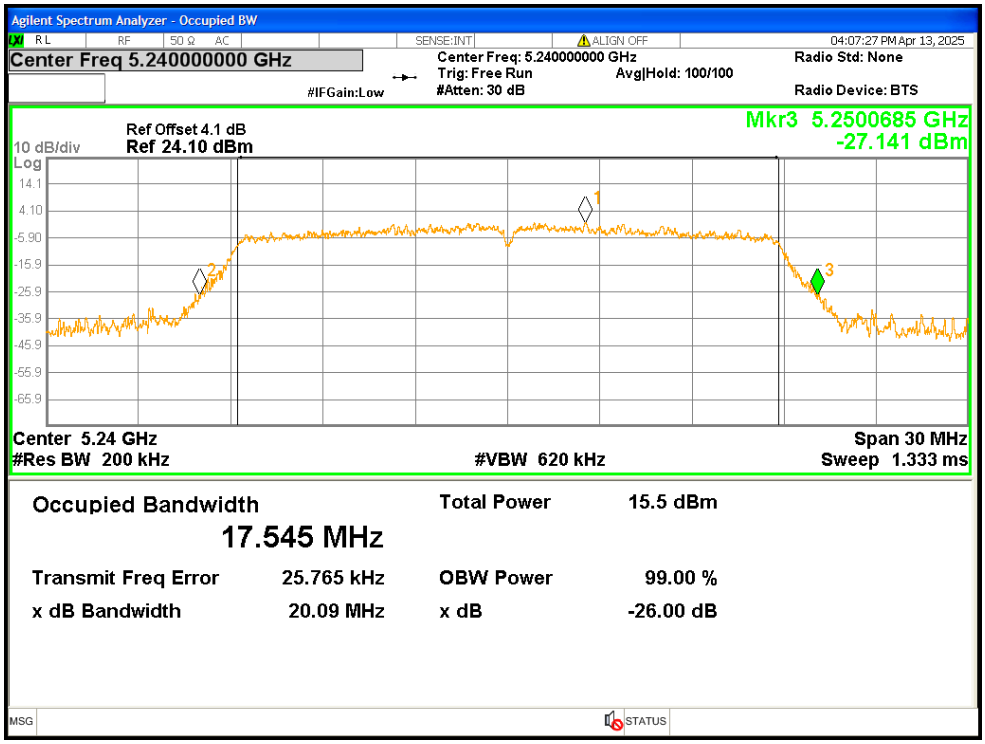
-26dB Bandwidth NVNT ac20 5180MHz



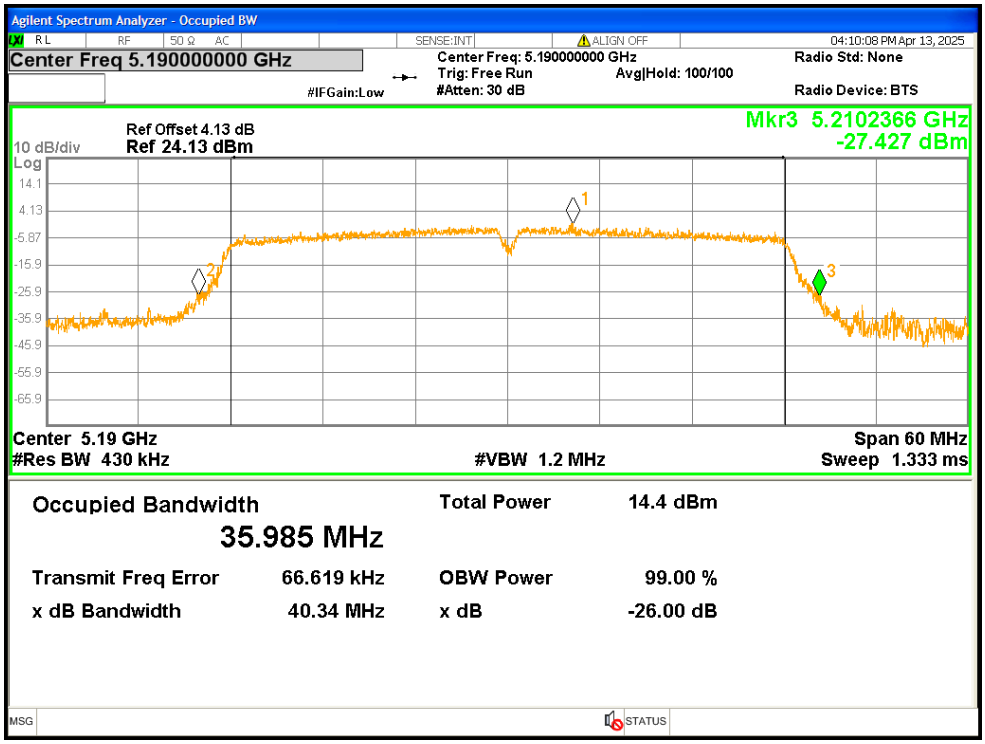
-26dB Bandwidth NVNT ac20 5200MHz



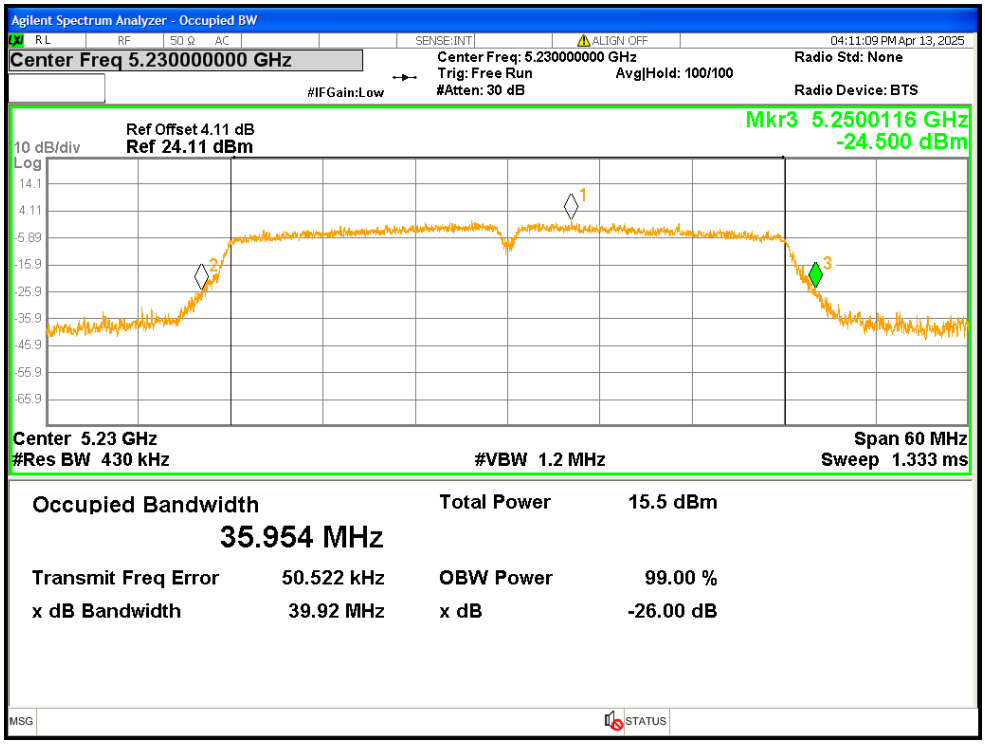
-26dB Bandwidth NVNT ac20 5240MHz



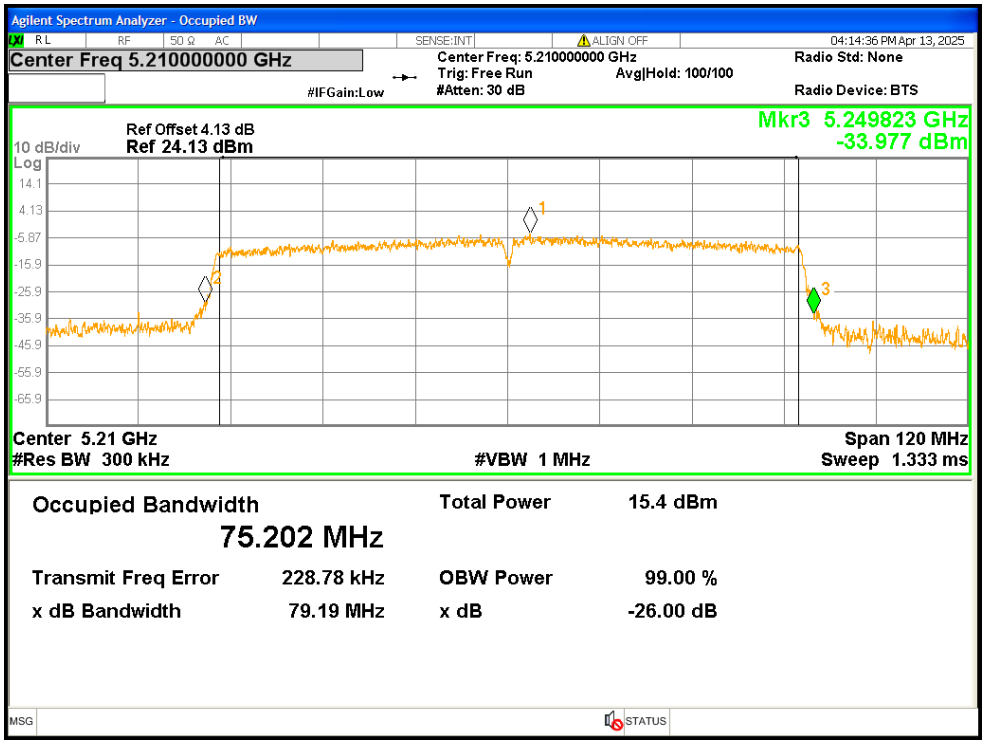
-26dB Bandwidth NVNT ac40 5190MHz



-26dB Bandwidth NVNT ac40 5230MHz



-26dB Bandwidth NVNT ac80 5210MHz

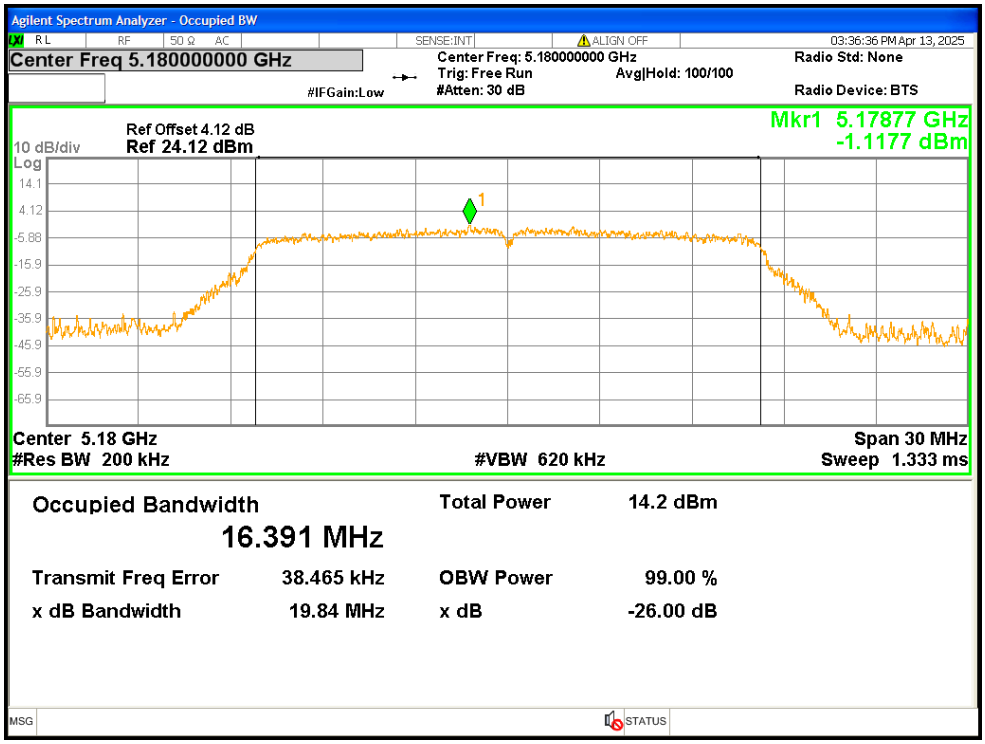


Occupied Channel Bandwidth

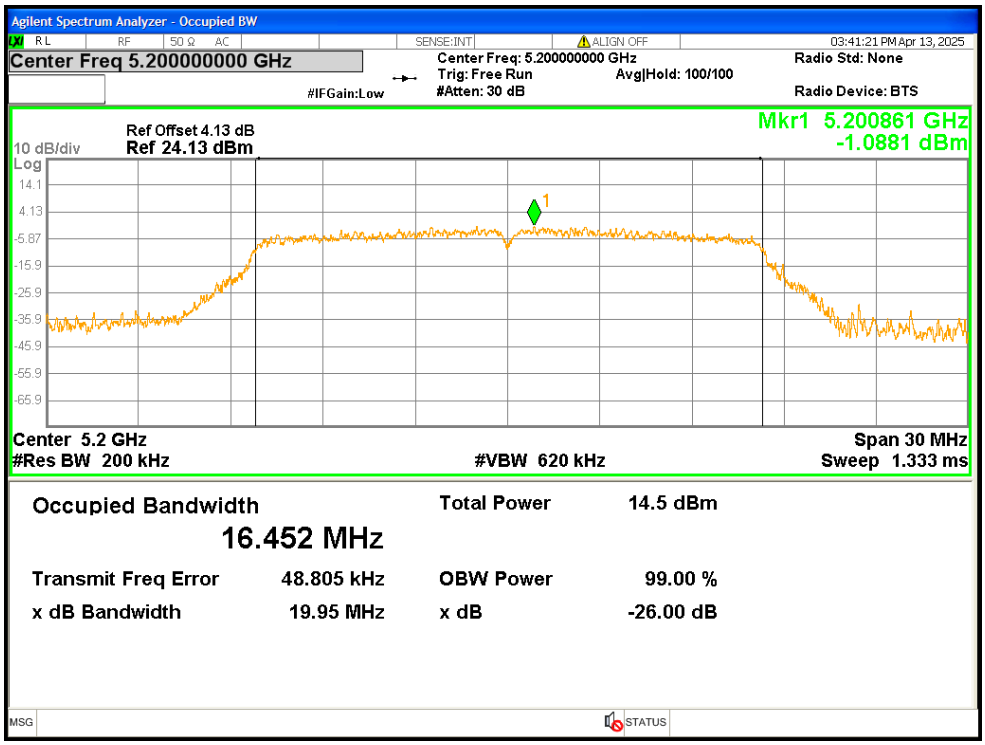
Condition	Mode	Frequency (MHz)	99% OBW (MHz)
NVNT	a	5180	16.3913
NVNT	a	5200	16.4519
NVNT	a	5240	16.373
NVNT	n20	5180	17.5615
NVNT	n20	5200	17.5963
NVNT	n20	5240	17.5439
NVNT	n40	5190	35.9875
NVNT	n40	5230	35.9358
NVNT	ac20	5180	17.5397
NVNT	ac20	5200	17.5793
NVNT	ac20	5240	17.5868
NVNT	ac40	5190	35.9456
NVNT	ac40	5230	35.9319
NVNT	ac80	5210	75.2278

Test Graphs

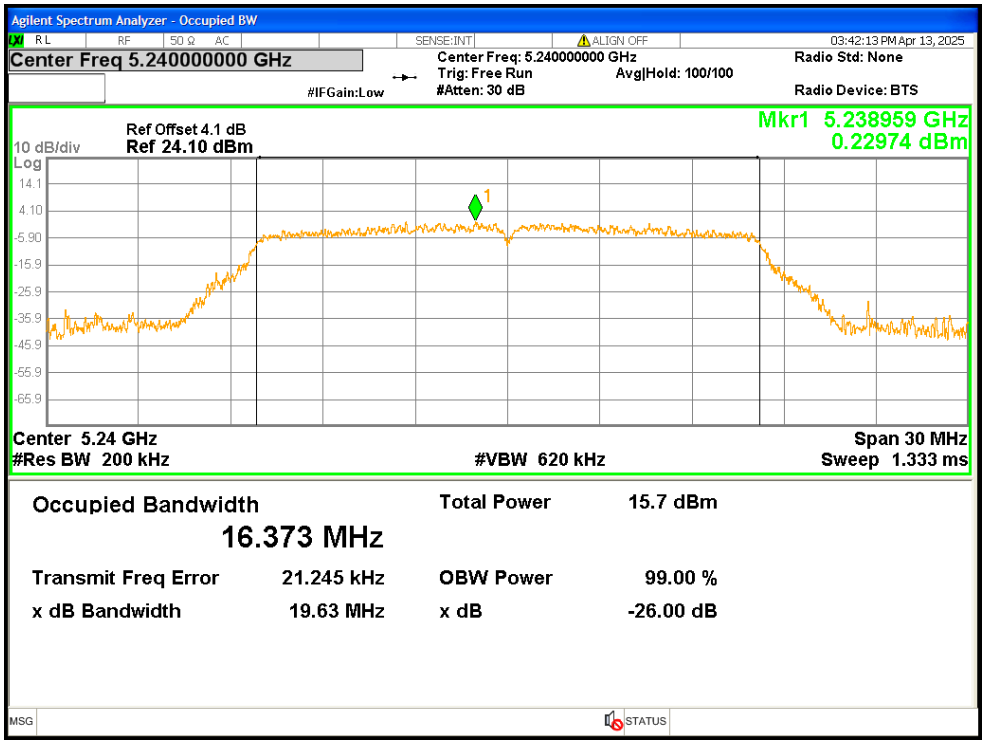
OBW NVNT a 5180MHz



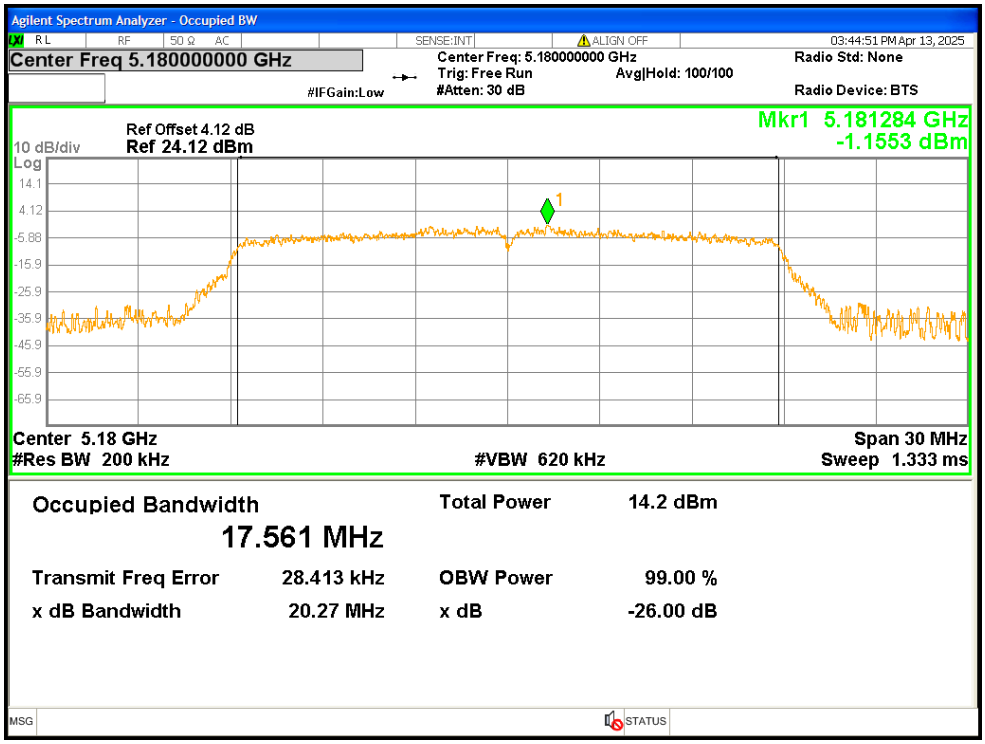
OBW NVNT a 5200MHz



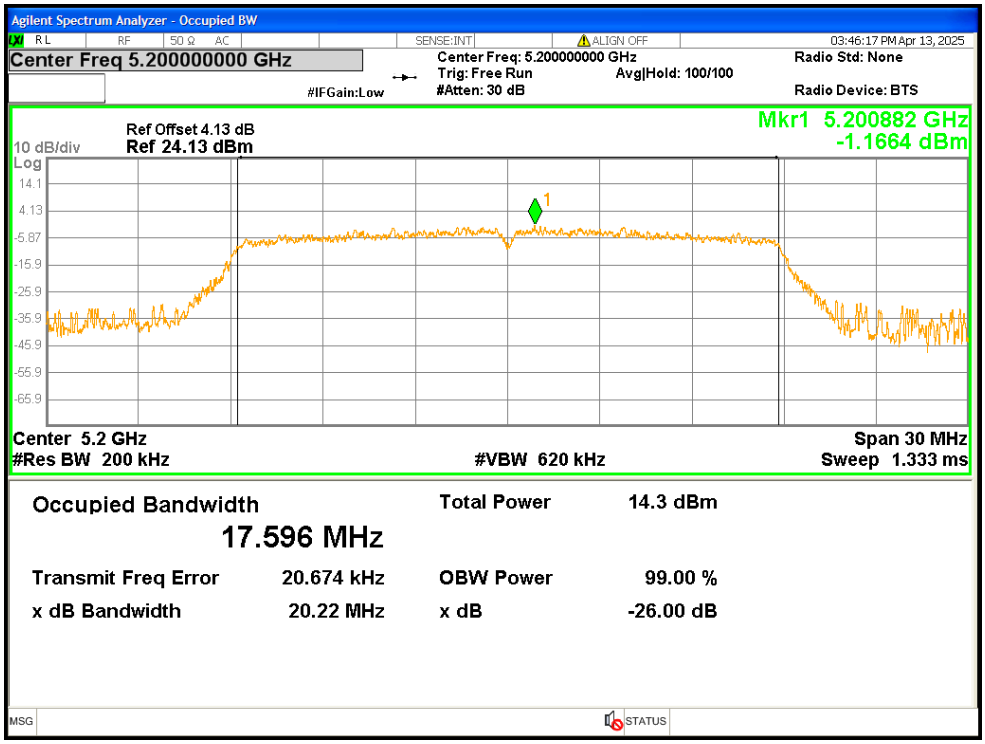
OBW NVNT a 5240MHz



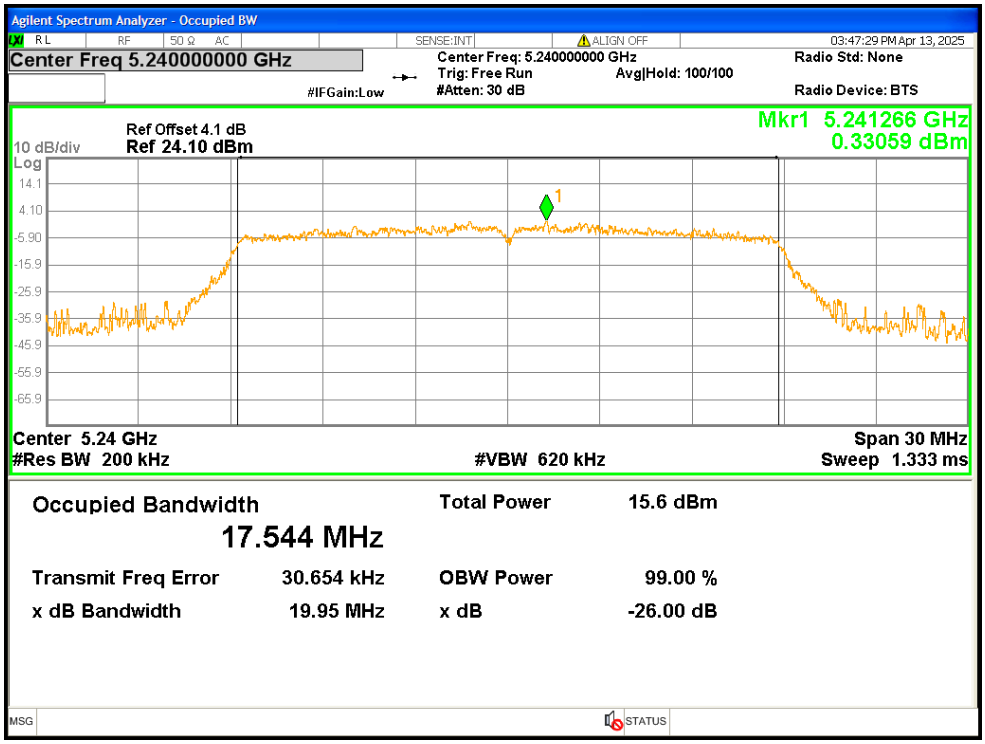
OBW NVNT n20 5180MHz



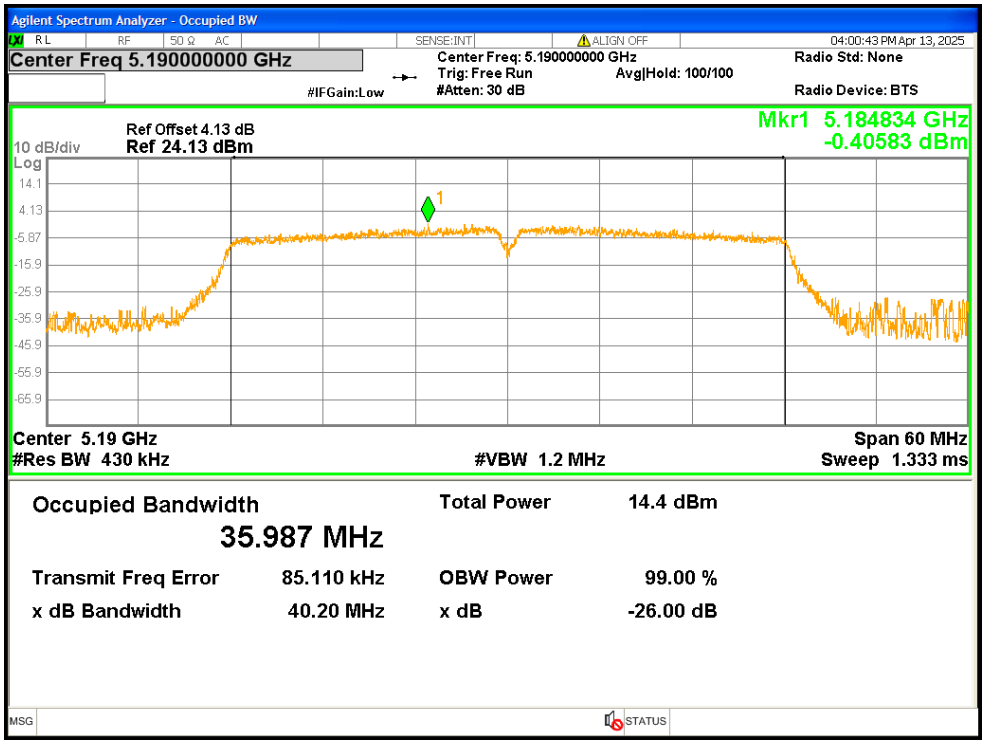
OBW NVNT n20 5200MHz



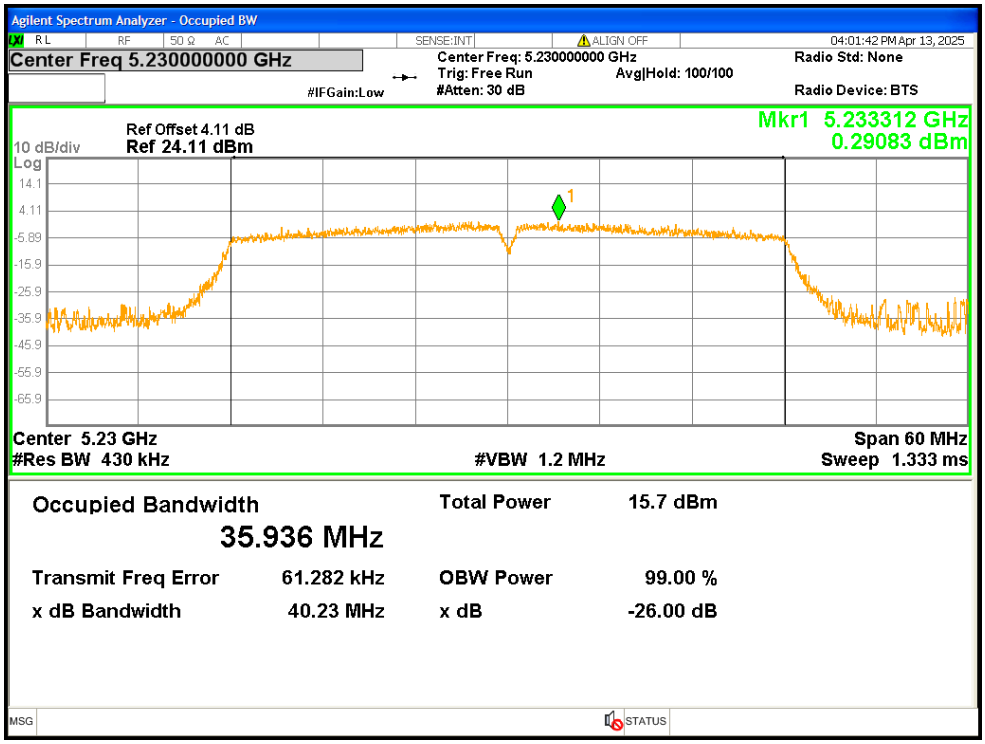
OBW NVNT n20 5240MHz



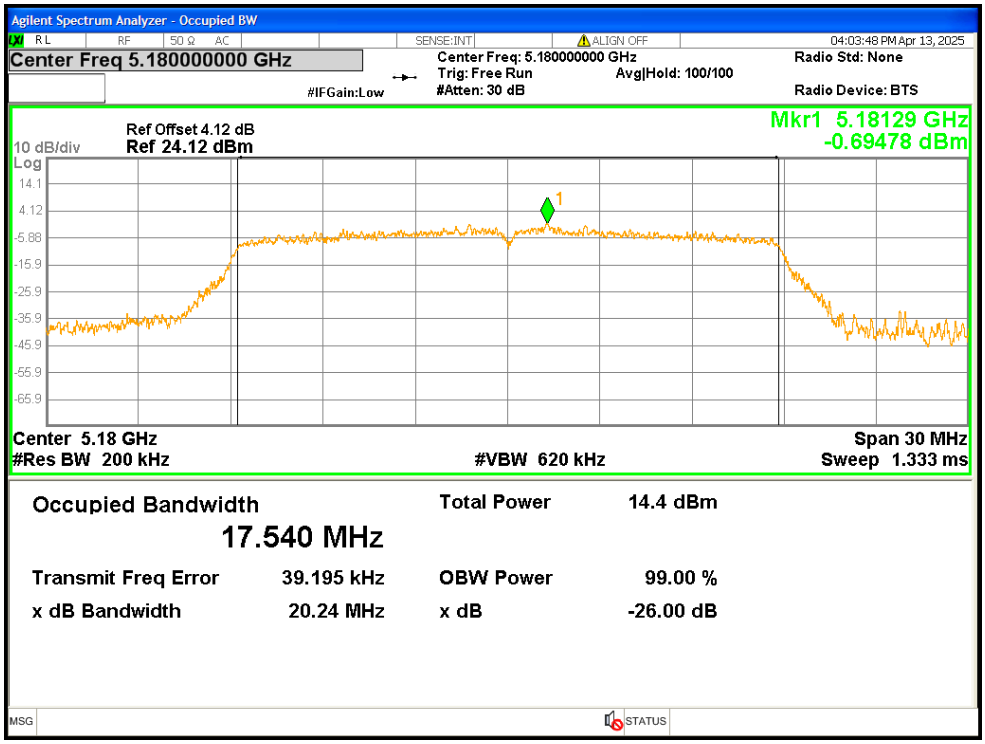
OBW NVNT n40 5190MHz



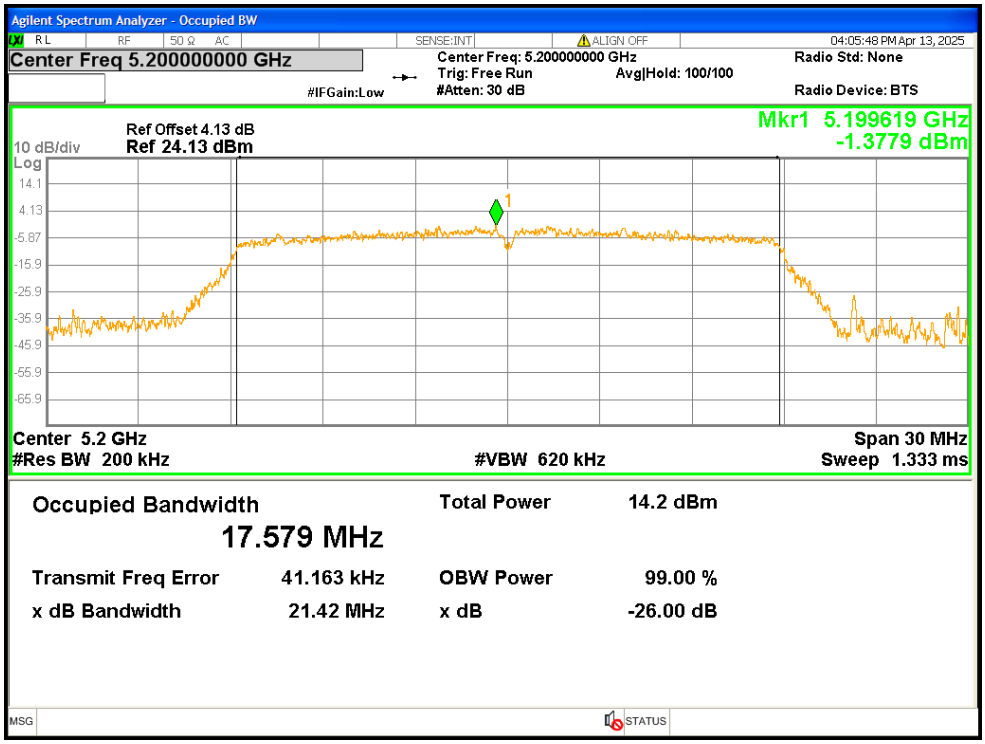
OBW NVNT n40 5230MHz



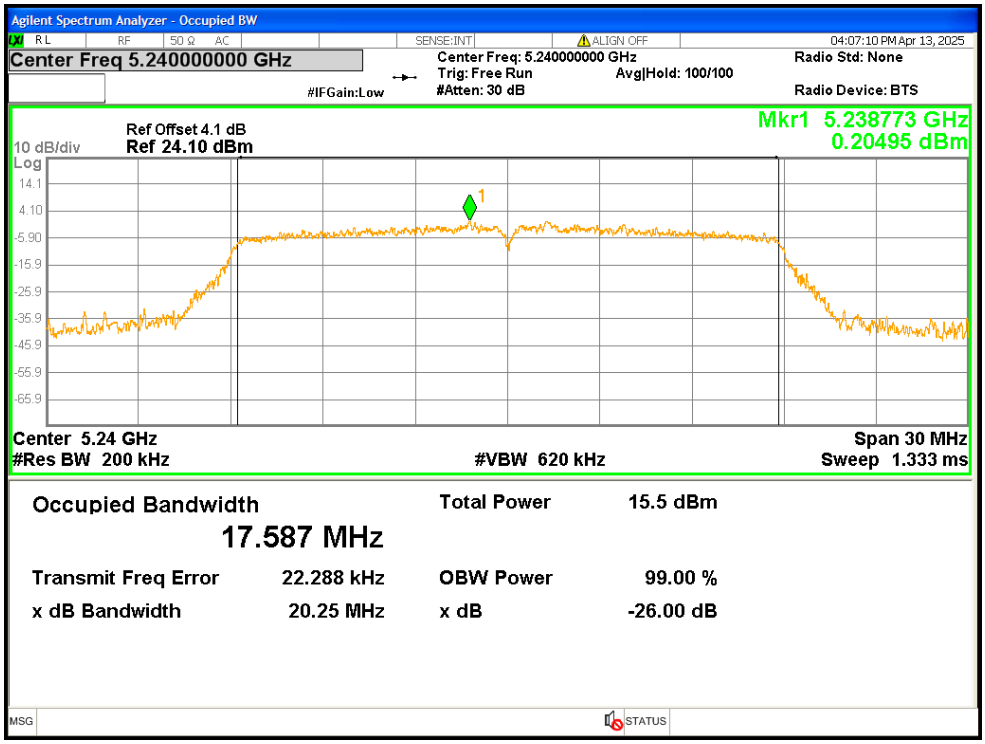
OBW NVNT ac20 5180MHz



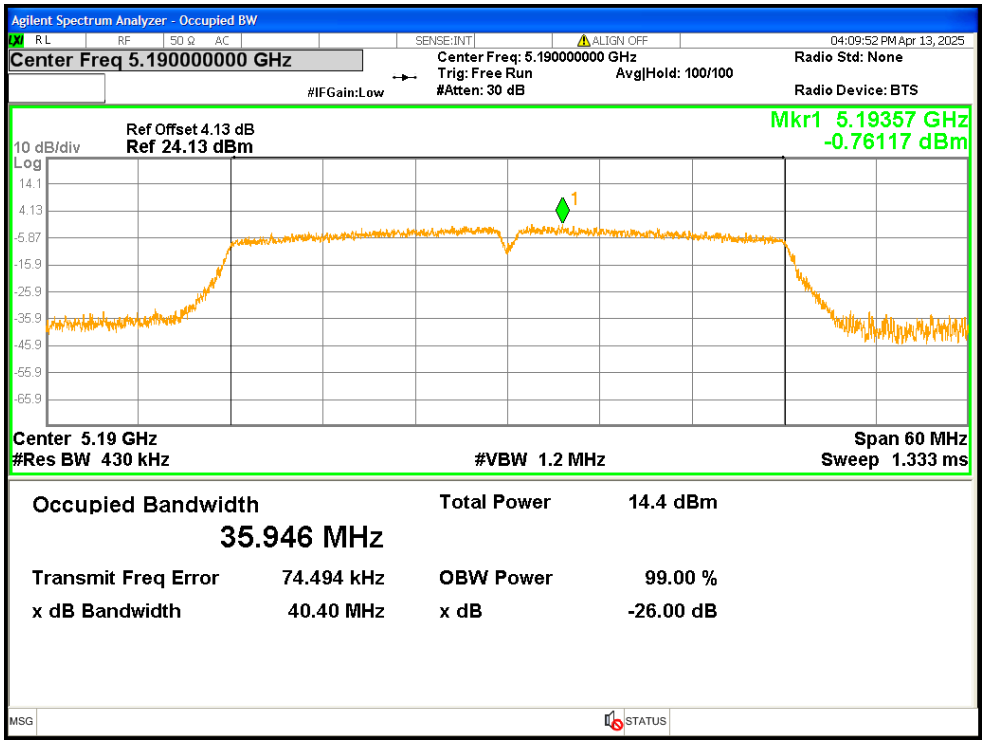
OBW NVNT ac20 5200MHz



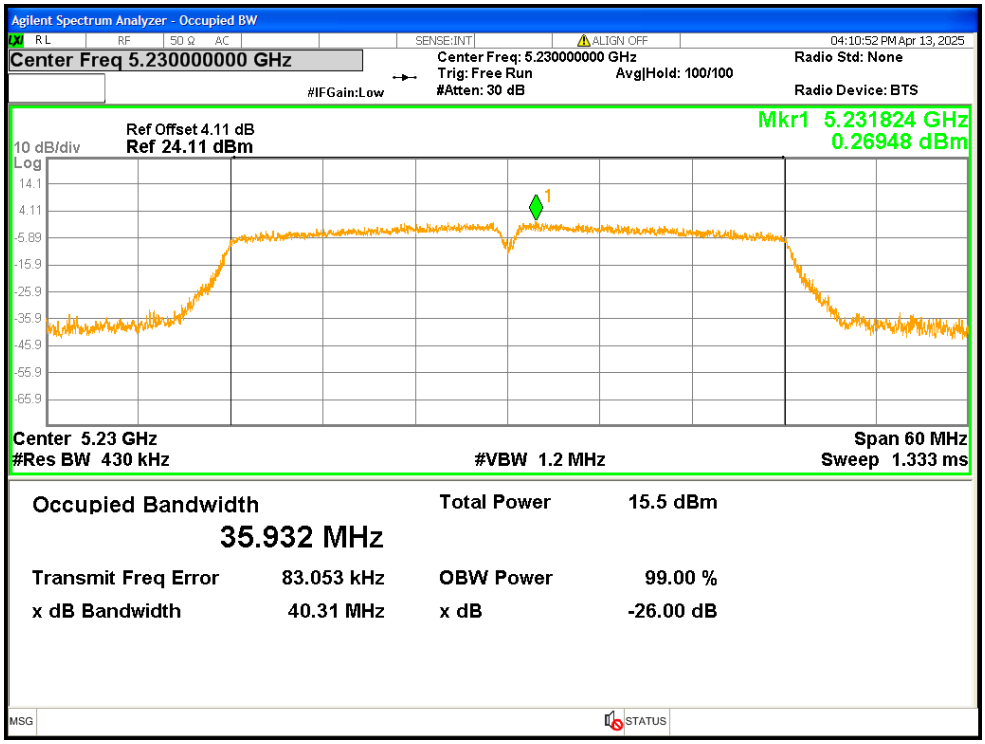
OBW NVNT ac20 5240MHz



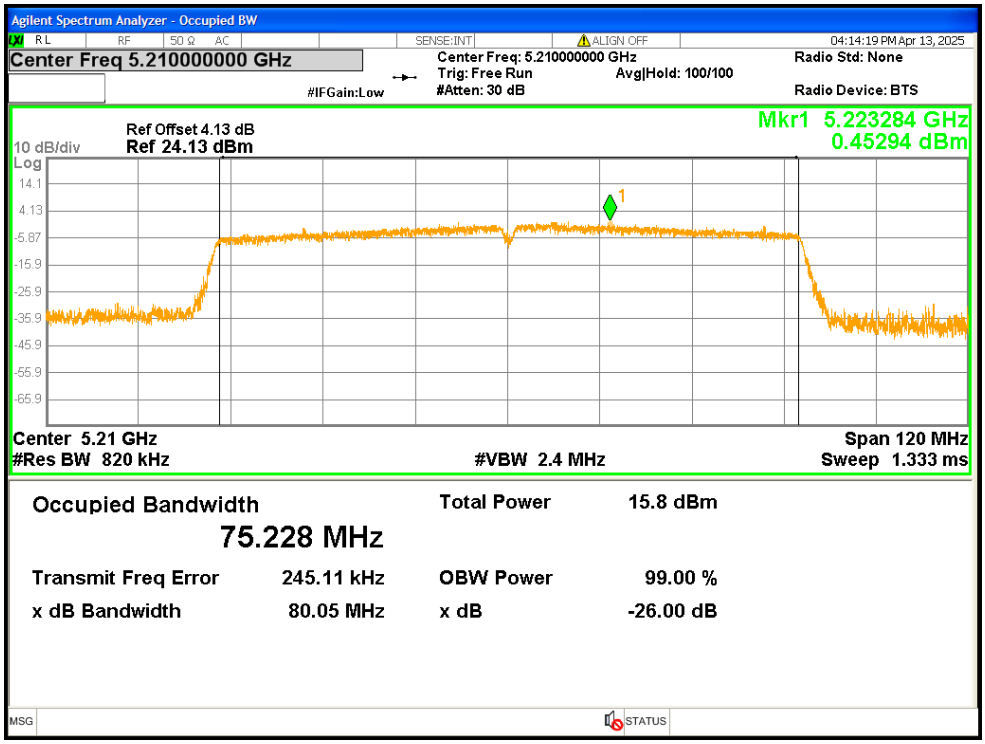
OBW NVNT ac40 5190MHz



OBW NVNT ac40 5230MHz



OBW NVNT ac80 5210MHz

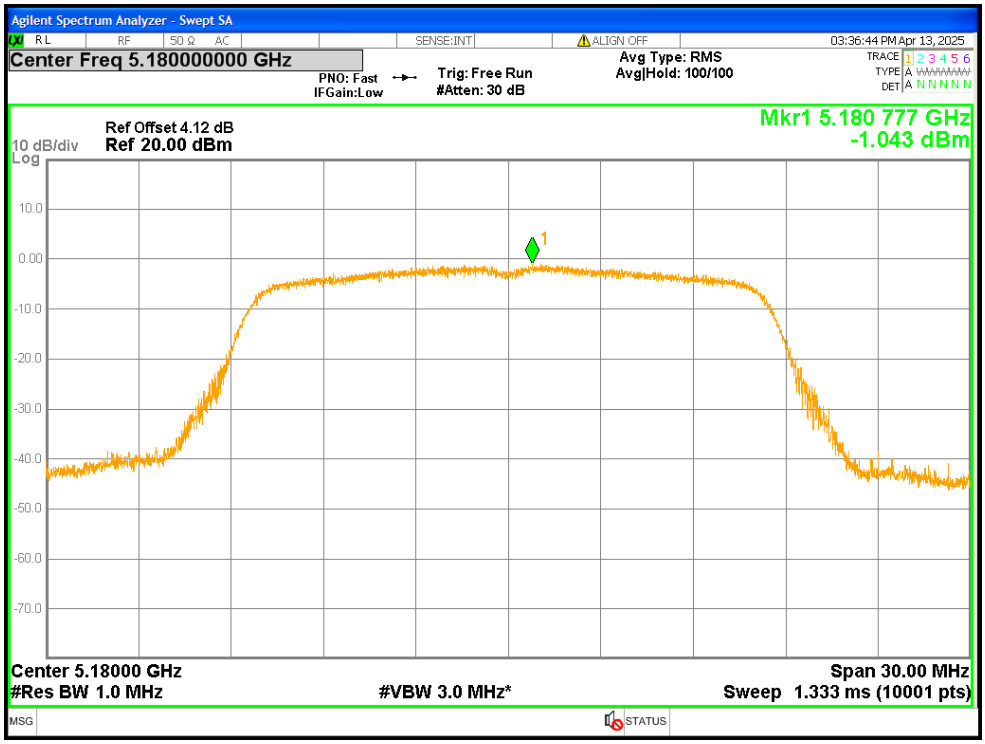


Maximum Power Spectral Density Level

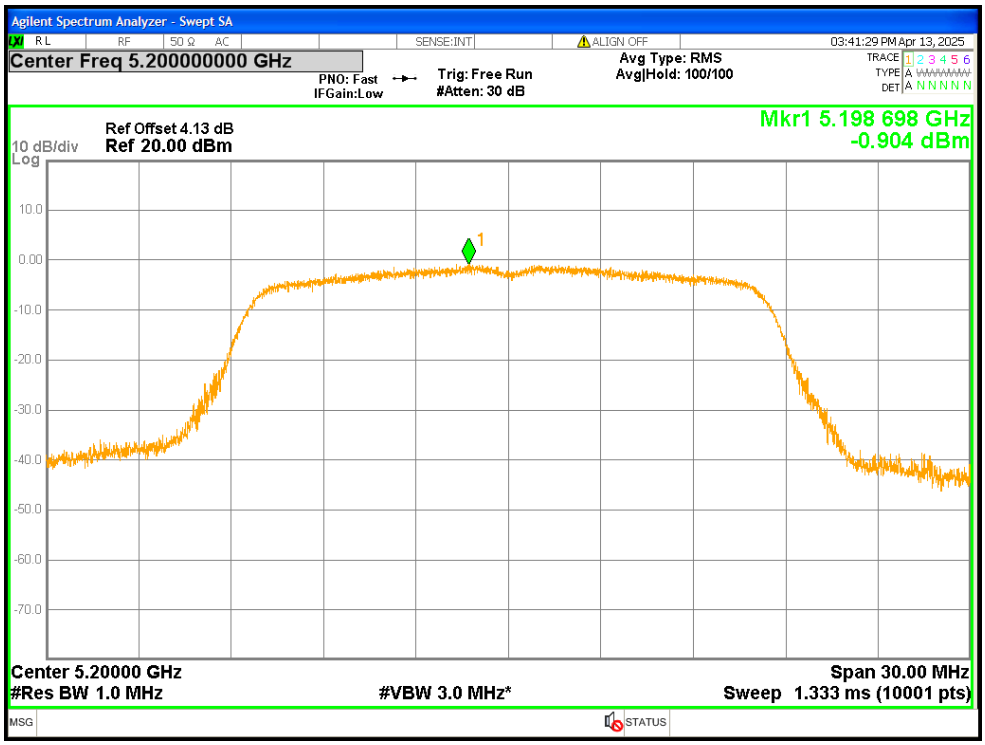
Condition	Mode	Frequency (MHz)	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	-1.043	0.13	-0.913	<=11	Pass
NVNT	a	5200	-0.904	0.13	-0.774	<=11	Pass
NVNT	a	5240	0.486	0.14	0.626	<=11	Pass
NVNT	n20	5180	-1.22	0.15	-1.07	<=11	Pass
NVNT	n20	5200	-0.942	0.15	-0.792	<=11	Pass
NVNT	n20	5240	0.067	0.15	0.217	<=11	Pass
NVNT	n40	5190	-4.256	0.28	-3.976	<=11	Pass
NVNT	n40	5230	-3.069	0.28	-2.789	<=11	Pass
NVNT	ac20	5180	-1.095	0.14	-0.955	<=11	Pass
NVNT	ac20	5200	-1.382	0.14	-1.242	<=11	Pass
NVNT	ac20	5240	0.249	0.14	0.389	<=11	Pass
NVNT	ac40	5190	-4.339	0.27	-4.069	<=11	Pass
NVNT	ac40	5230	-3.318	0.28	-3.038	<=11	Pass
NVNT	ac80	5210	-6.945	0.54	-6.405	<=11	Pass

Test Graphs

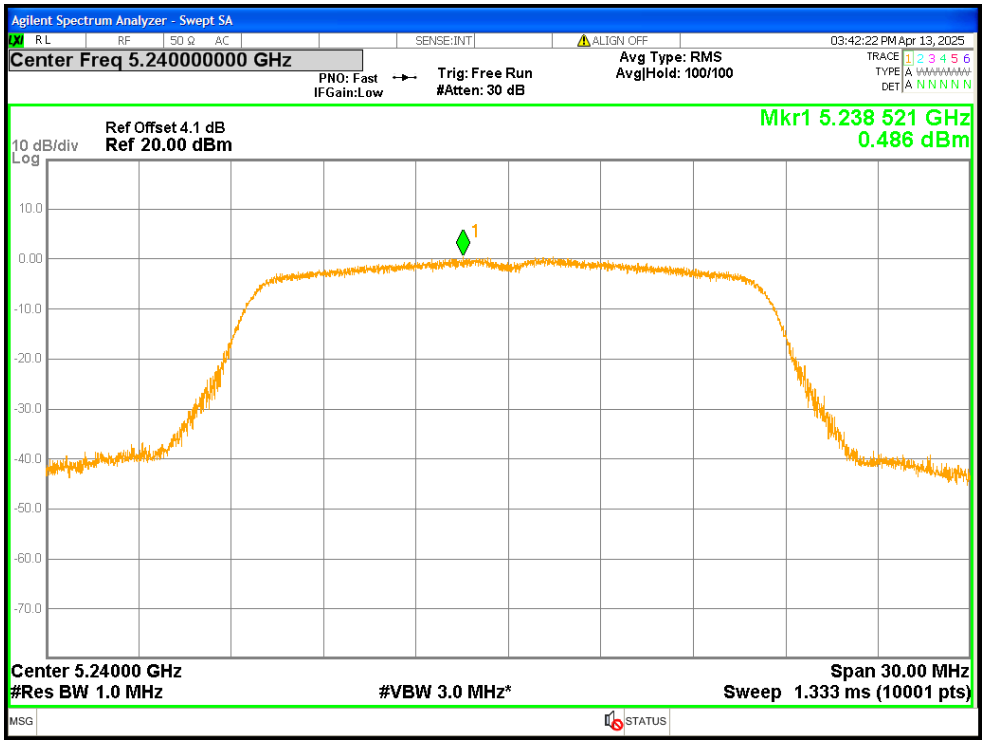
PSD NVNT a 5180MHz



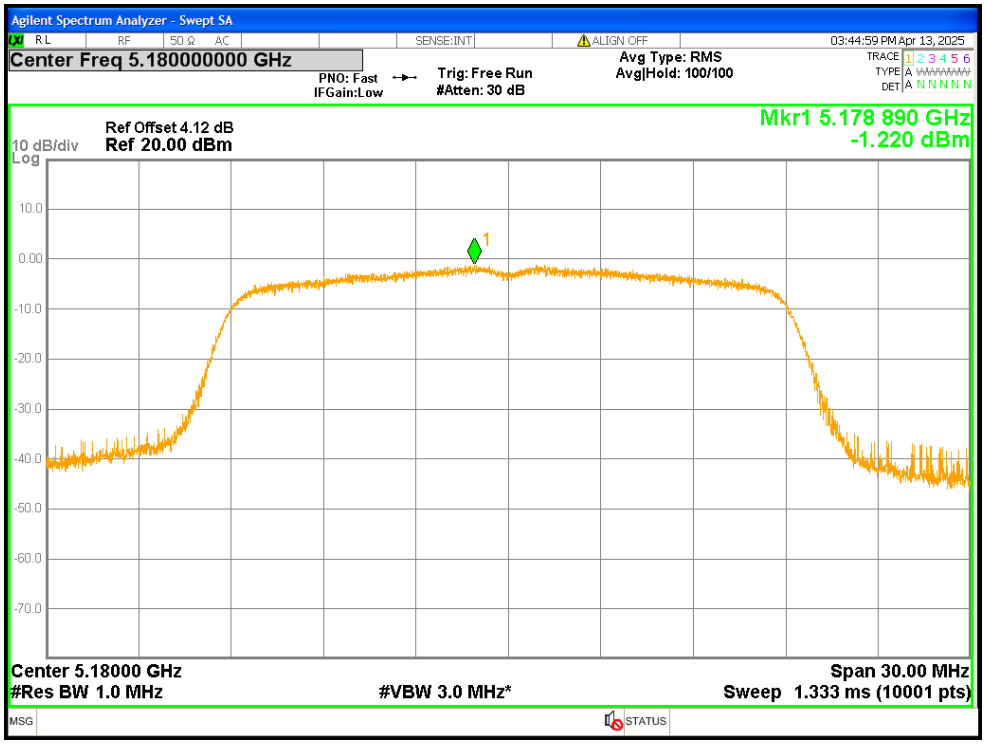
PSD NVNT a 5200MHz



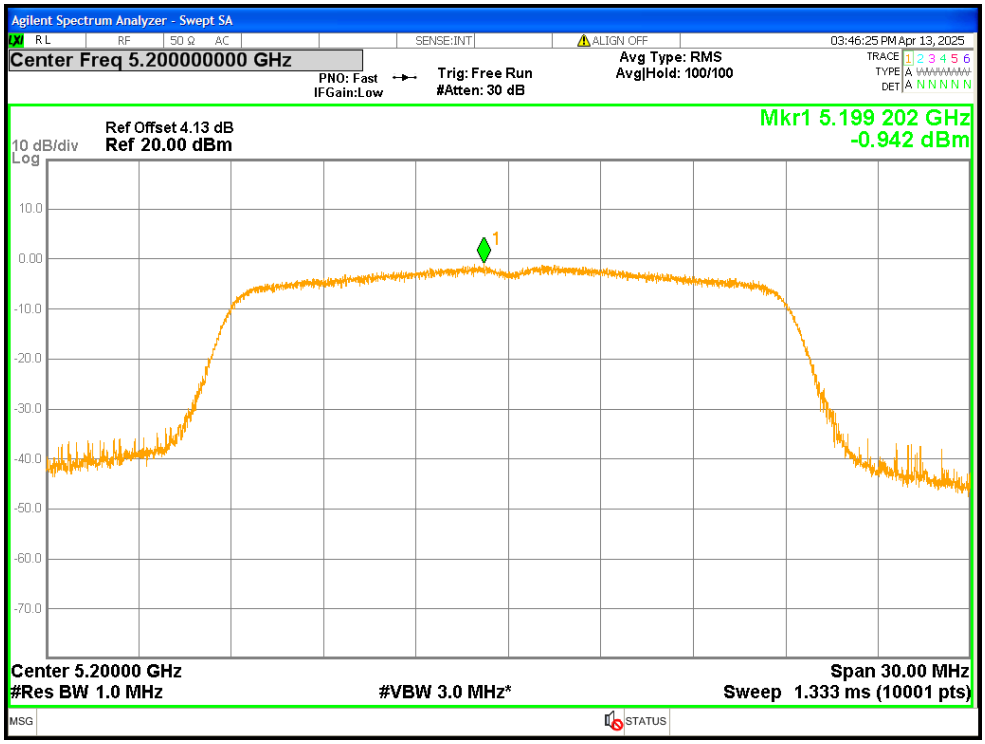
PSD NVNT a 5240MHz



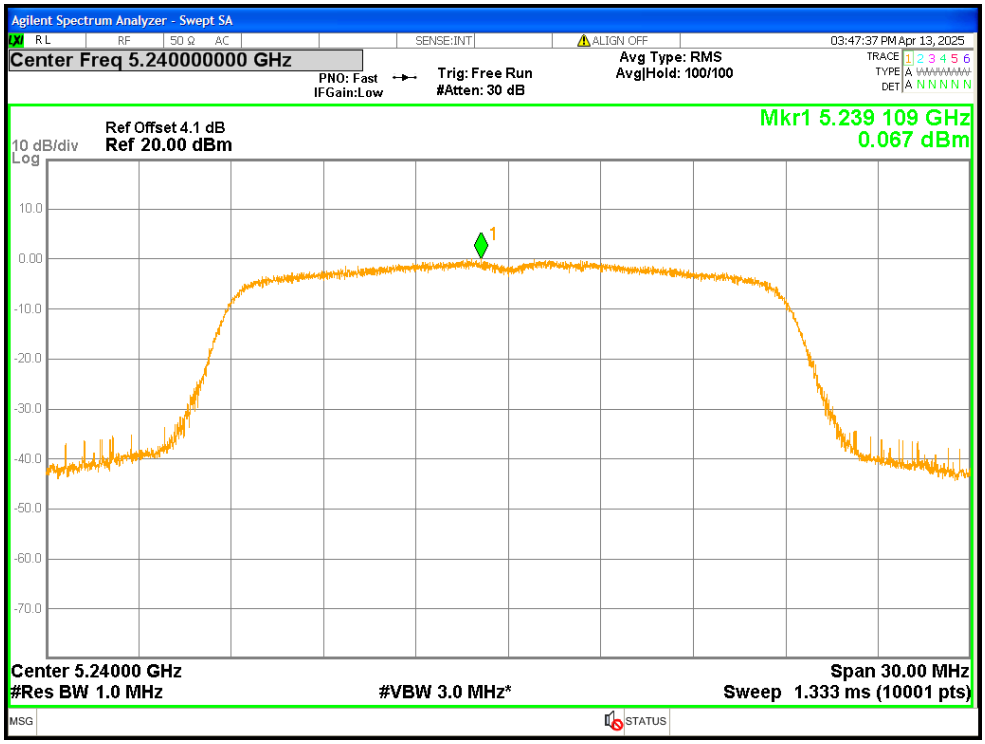
PSD NVNT n20 5180MHz



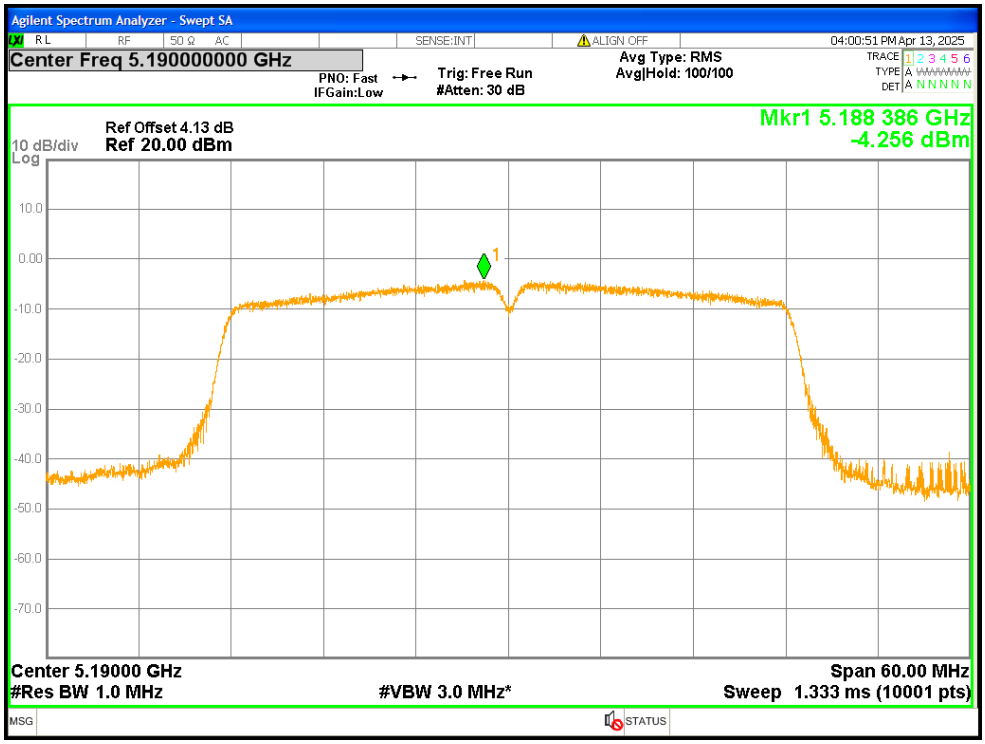
PSD NVNT n20 5200MHz



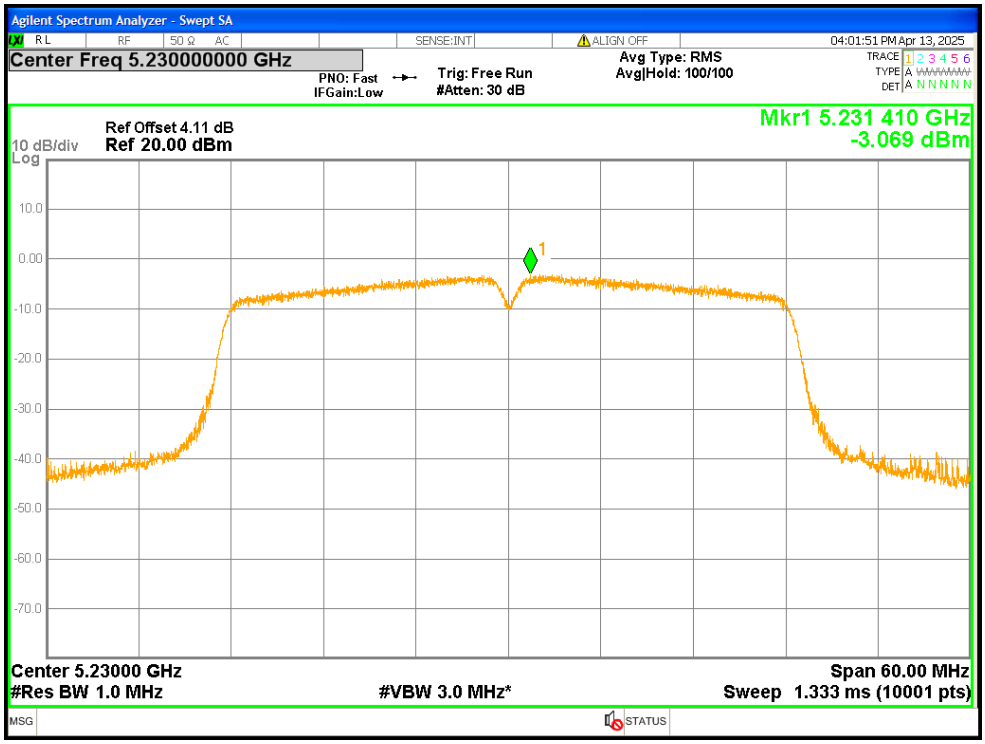
PSD NVNT n20 5240MHz



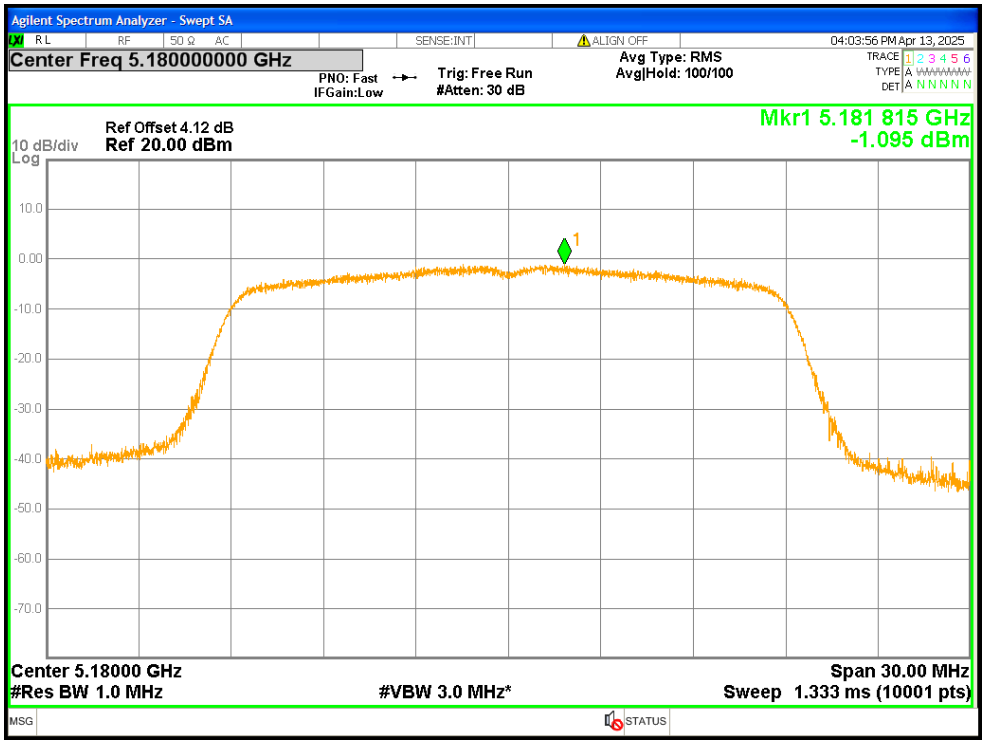
PSD NVNT n40 5190MHz



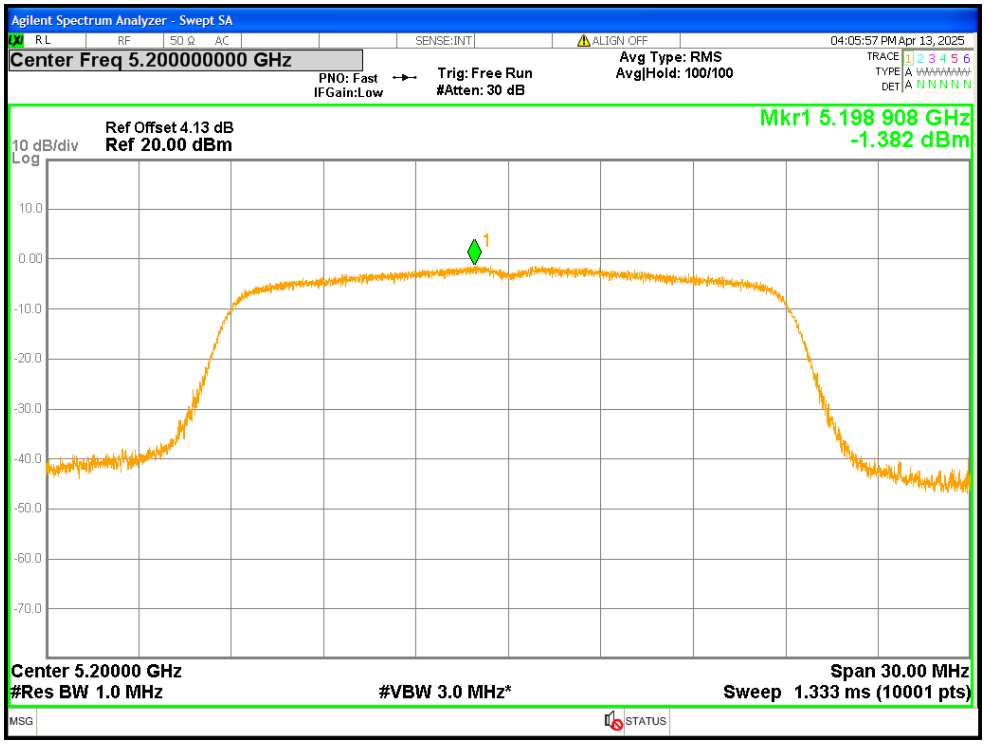
PSD NVNT n40 5230MHz



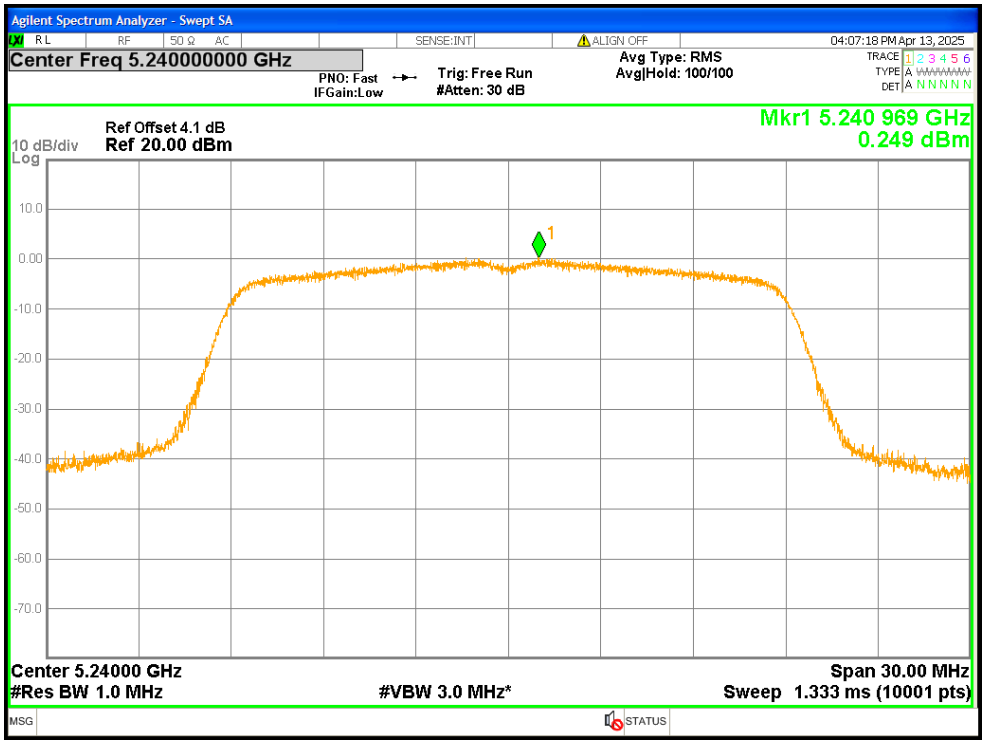
PSD NVNT ac20 5180MHz



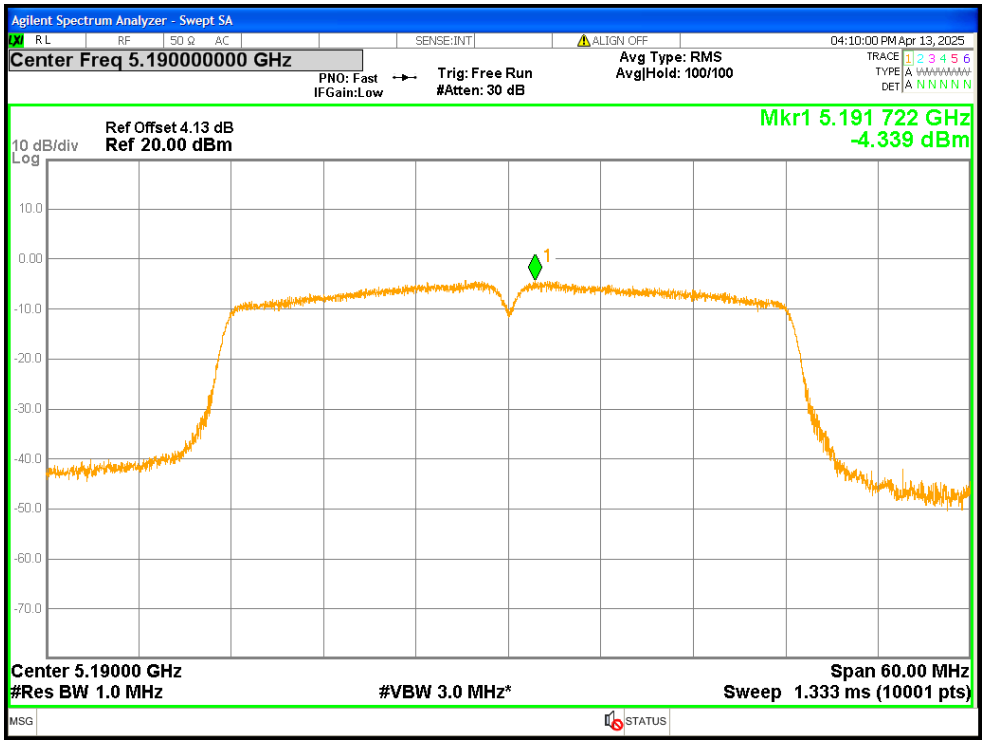
PSD NVNT ac20 5200MHz



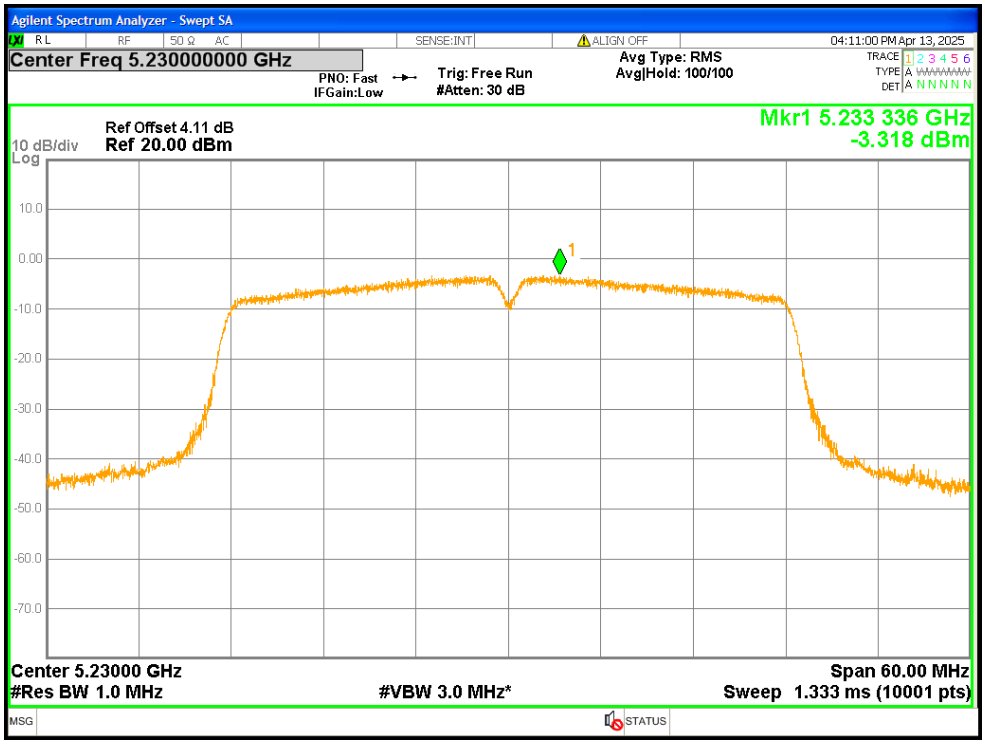
PSD NVNT ac20 5240MHz



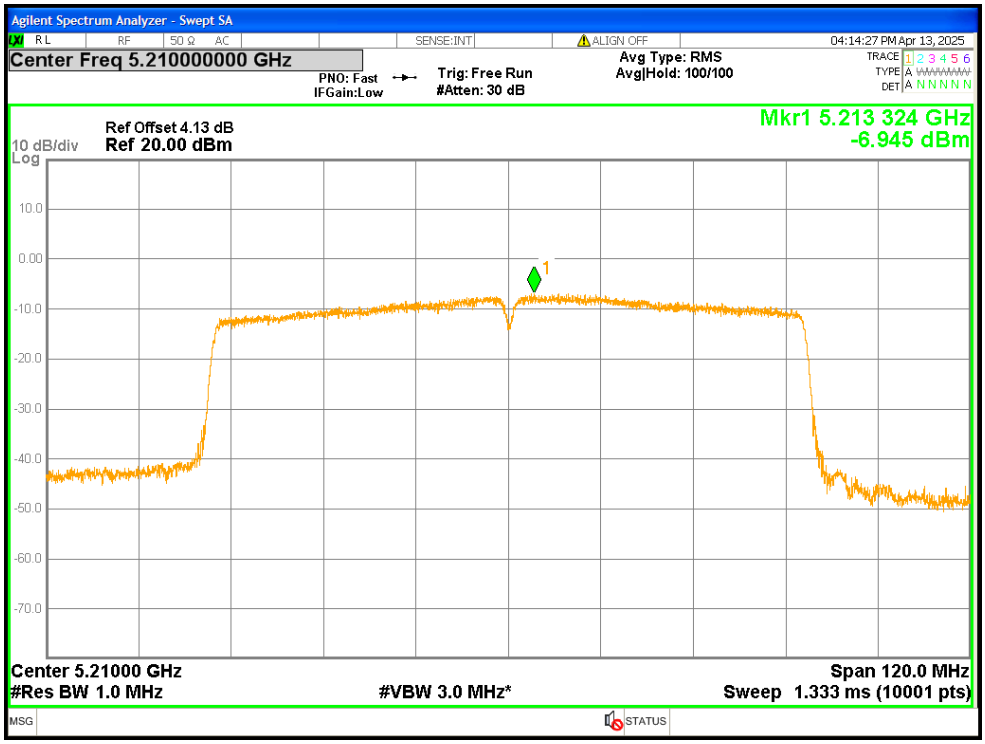
PSD NVNT ac40 5190MHz



PSD NVNT ac40 5230MHz



PSD NVNT ac80 5210MHz

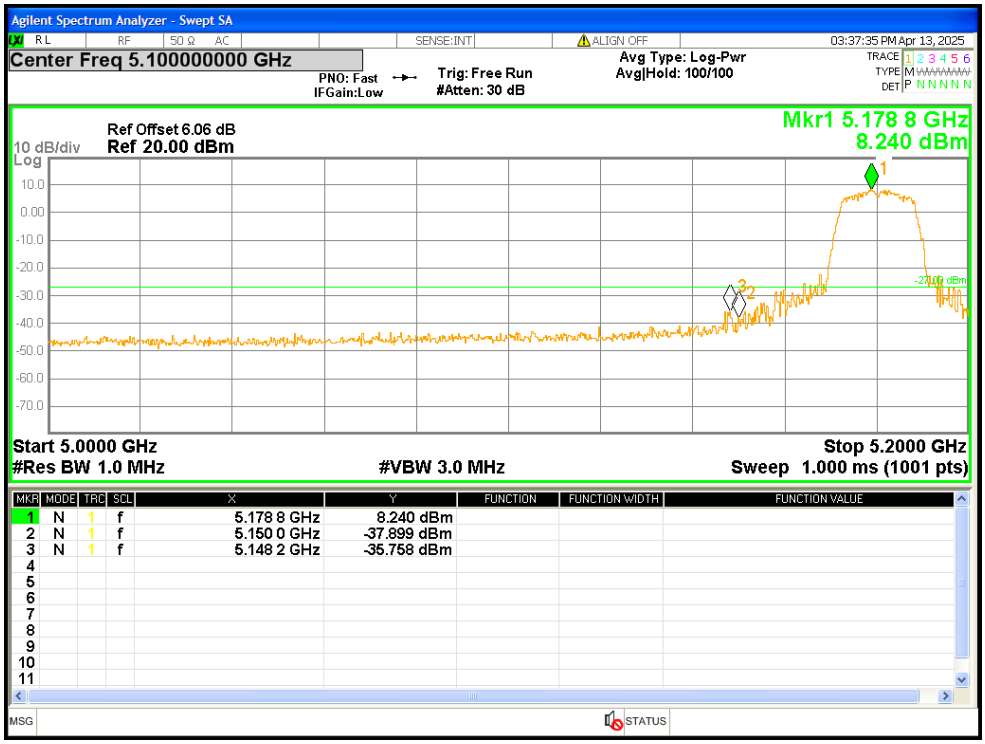


Band Edge

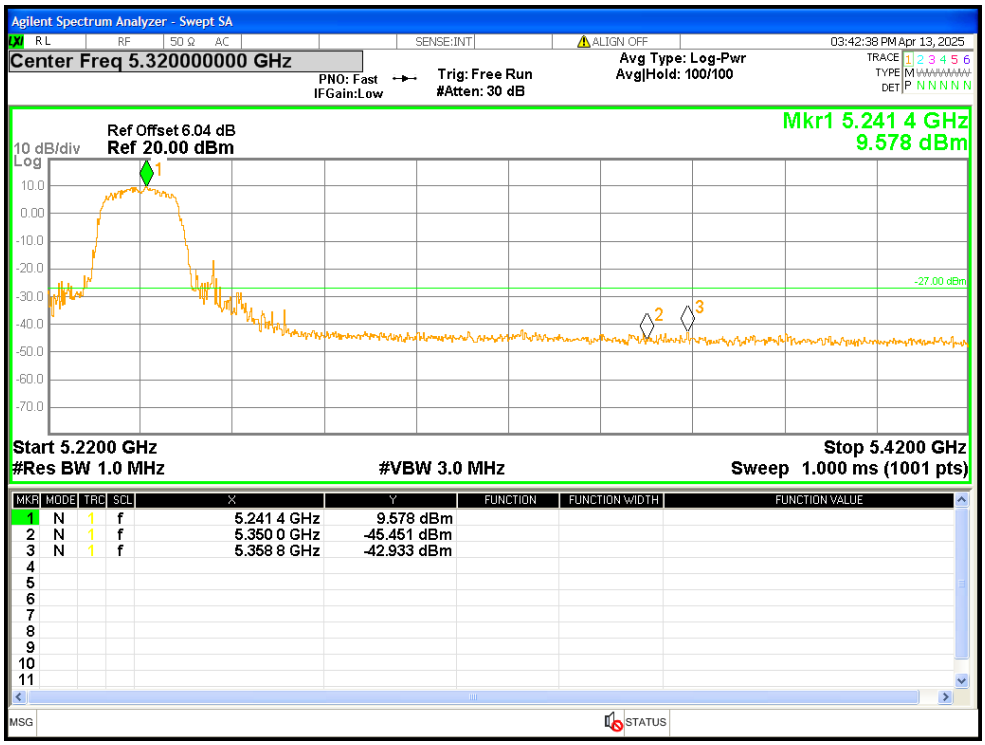
Condition	Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	-35.75	<=-27	Pass
NVNT	a	5240	-42.93	<=-27	Pass
NVNT	n20	5180	-31.09	<=-27	Pass
NVNT	n20	5240	-43.69	<=-27	Pass
NVNT	n40	5190	-31.31	<=-27	Pass
NVNT	n40	5230	-42.91	<=-27	Pass
NVNT	ac20	5180	-36.41	<=-27	Pass
NVNT	ac20	5240	-43.17	<=-27	Pass
NVNT	ac40	5190	-30.84	<=-27	Pass
NVNT	ac40	5230	-42.77	<=-27	Pass
NVNT	ac80	5210	-43.69	<=-27	Pass
NVNT	ac80	5210	-28.69	<=-27	Pass

Test Graphs

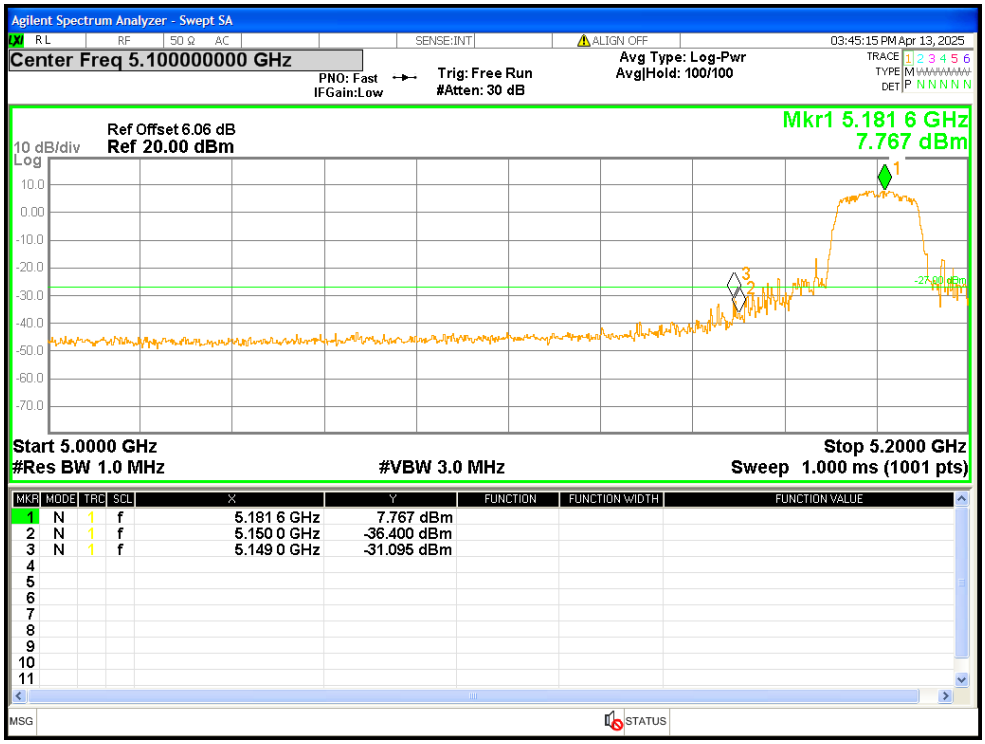
Band Edge NVNT a 5180MHz Low



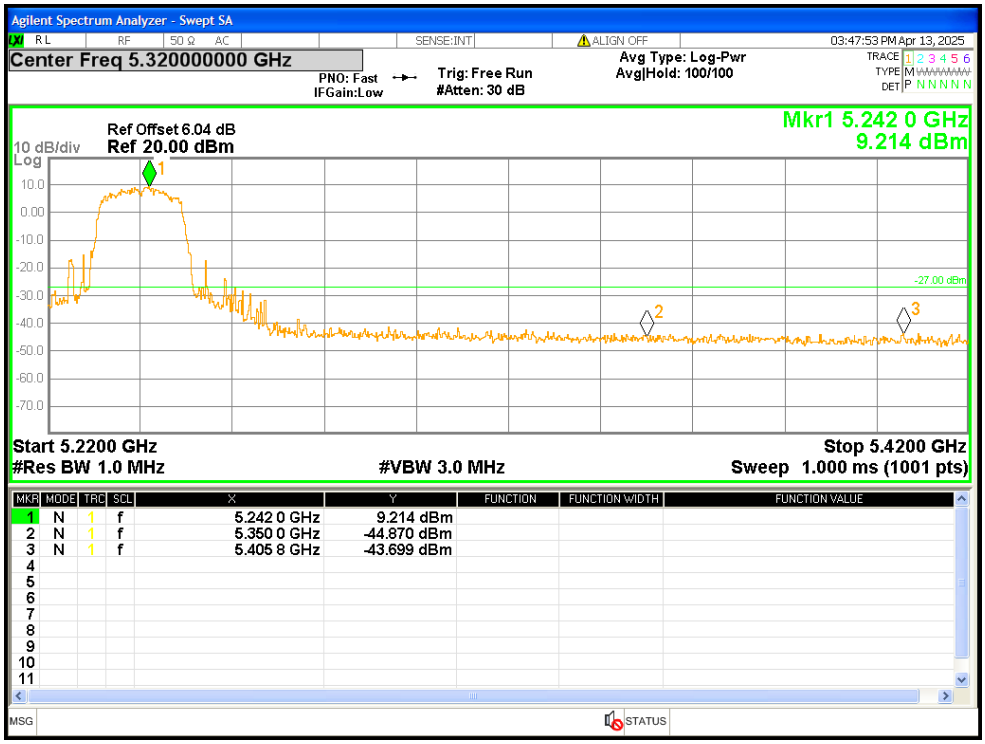
Band Edge NVNT a 5240MHz High



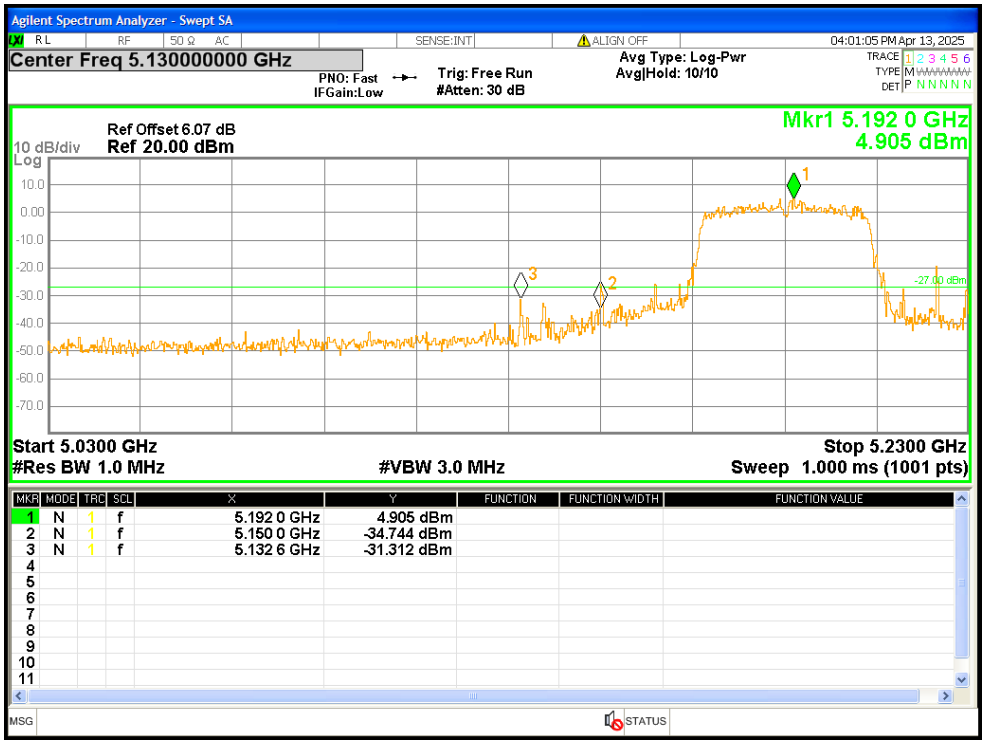
Band Edge NVNT n20 5180MHz Low



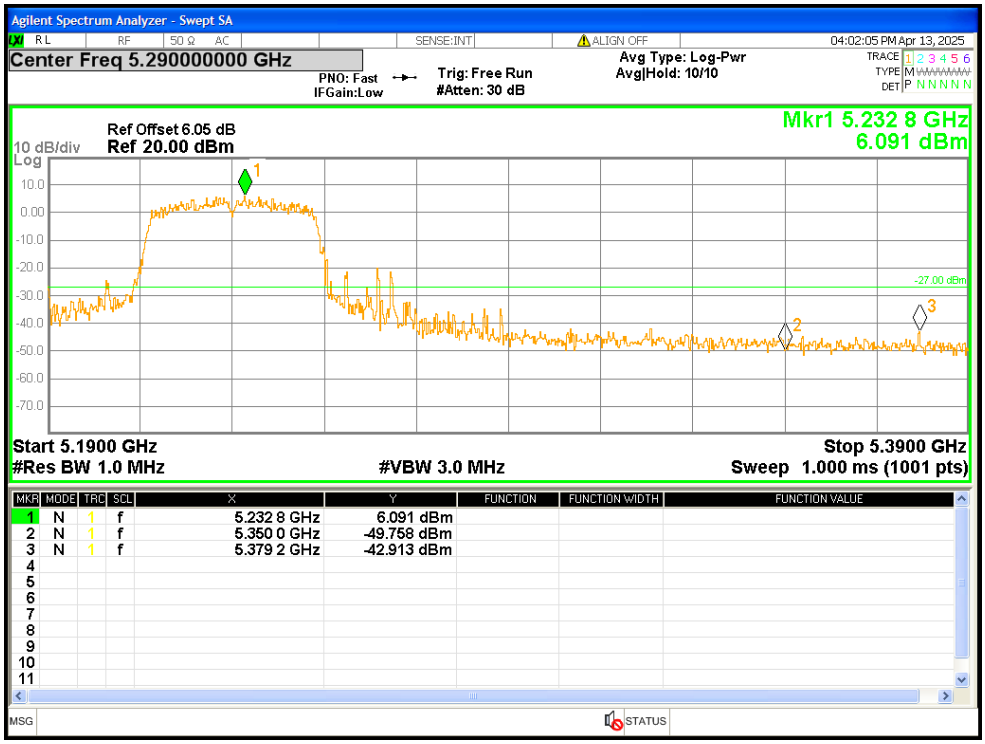
Band Edge NVNT n20 5240MHz High



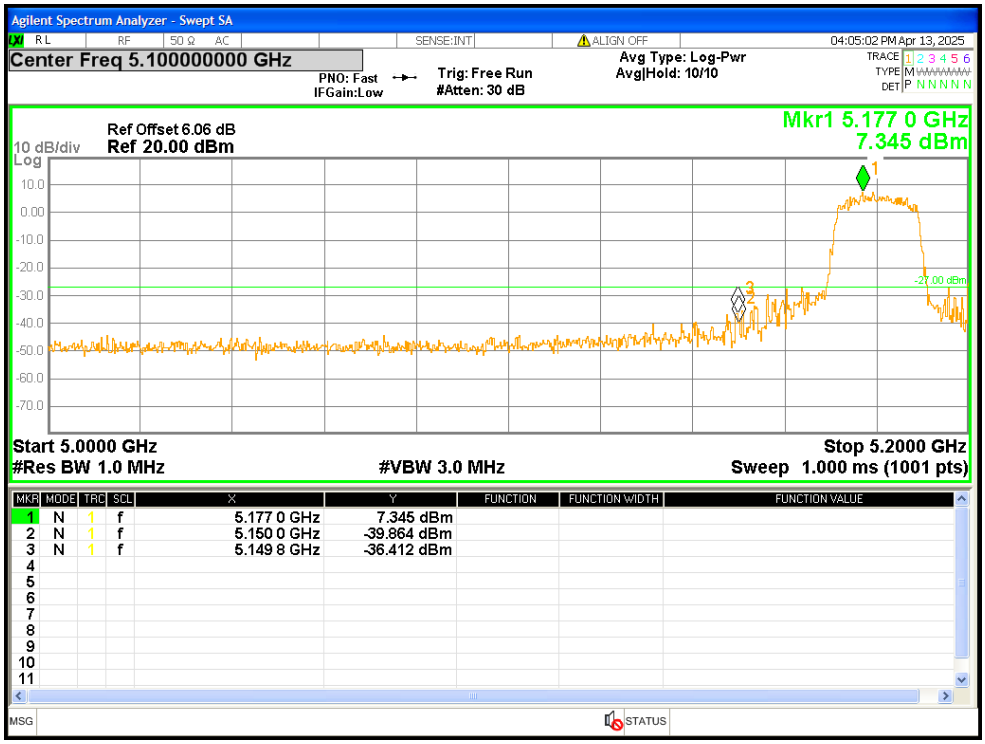
Band Edge NVNT n40 5190MHz Low



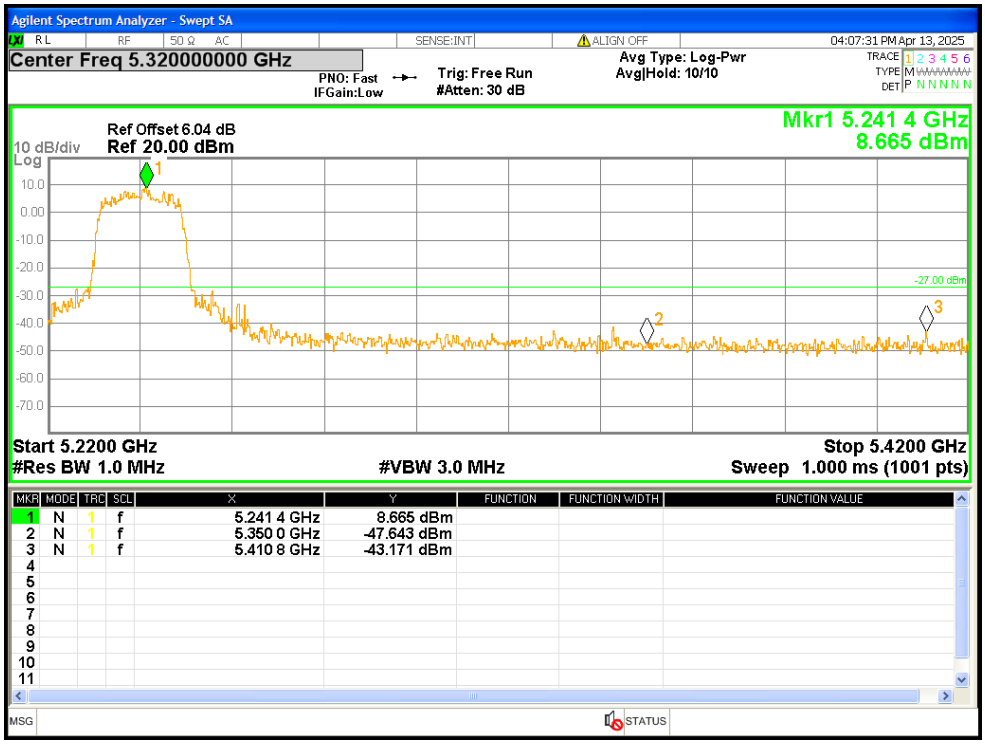
Band Edge NVNT n40 5230MHz High



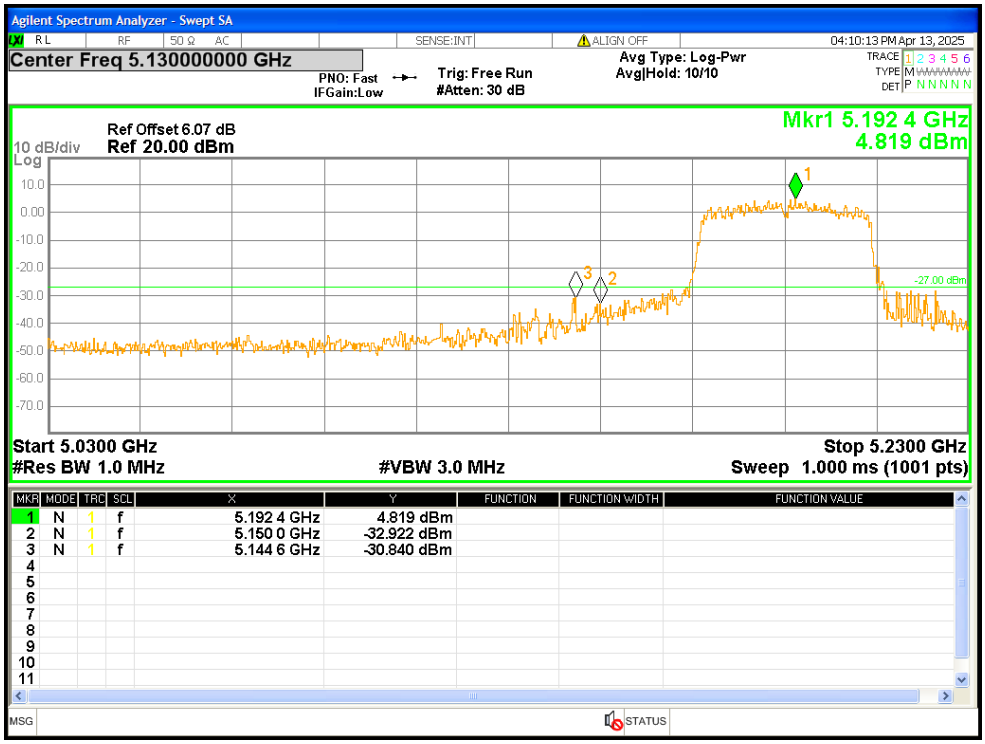
Band Edge NVNT ac20 5180MHz Low



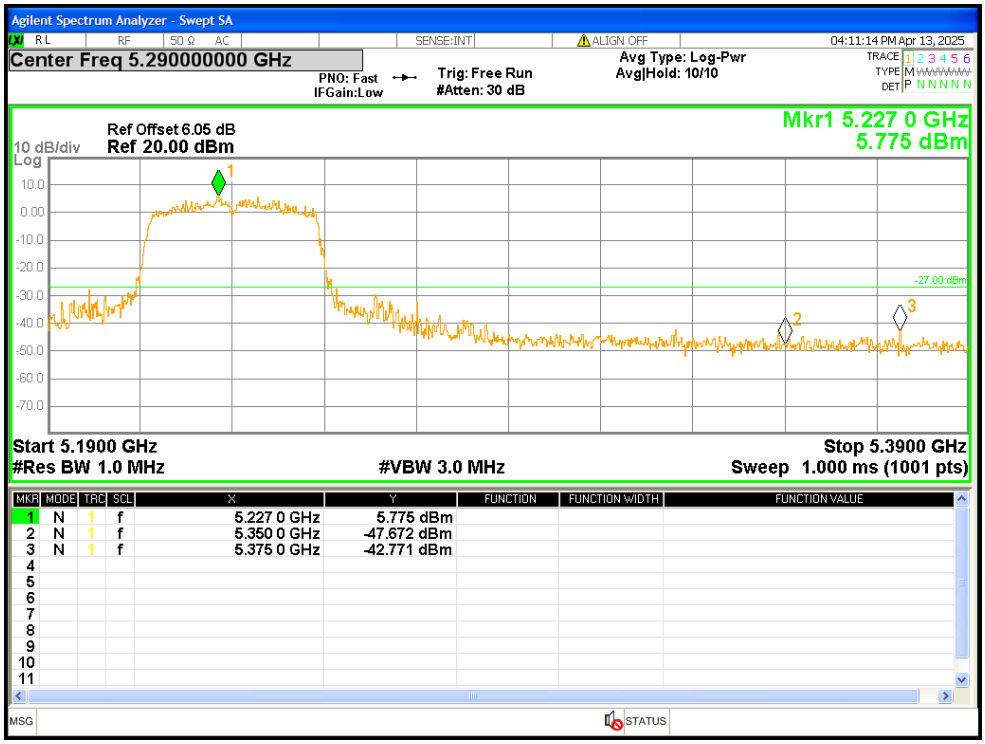
Band Edge NVNT ac20 5240MHz High



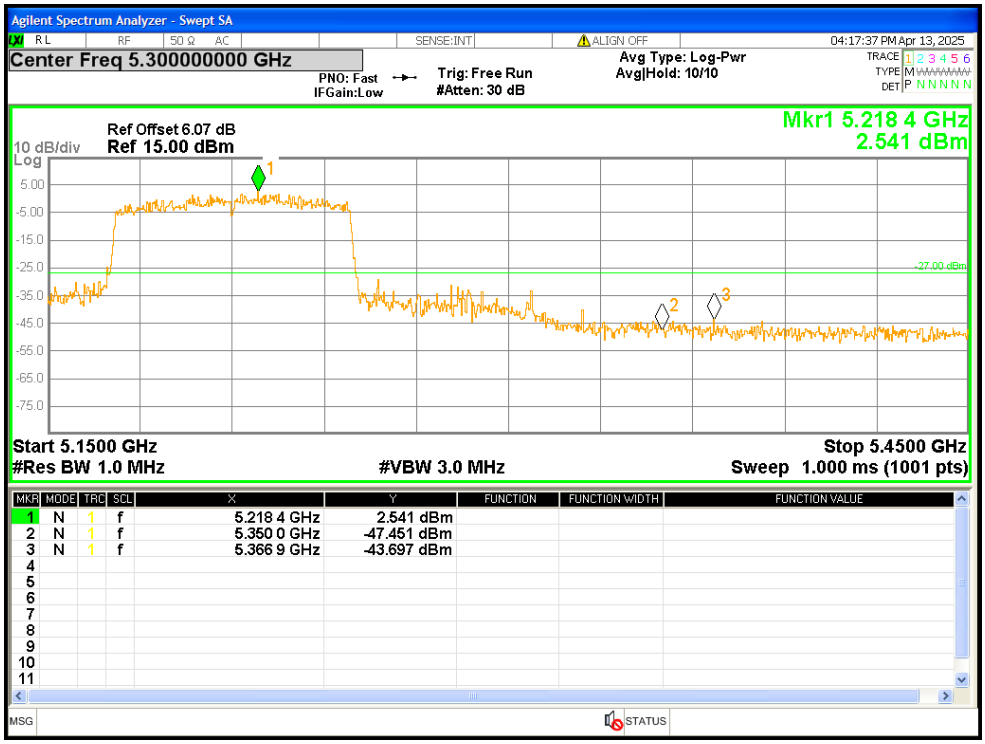
Band Edge NVNT ac40 5190MHz Low



Band Edge NVNT ac40 5230MHz High



Band Edge NVNT ac80 5210MHz High



Band Edge NVNT ac80 5210MHz Low