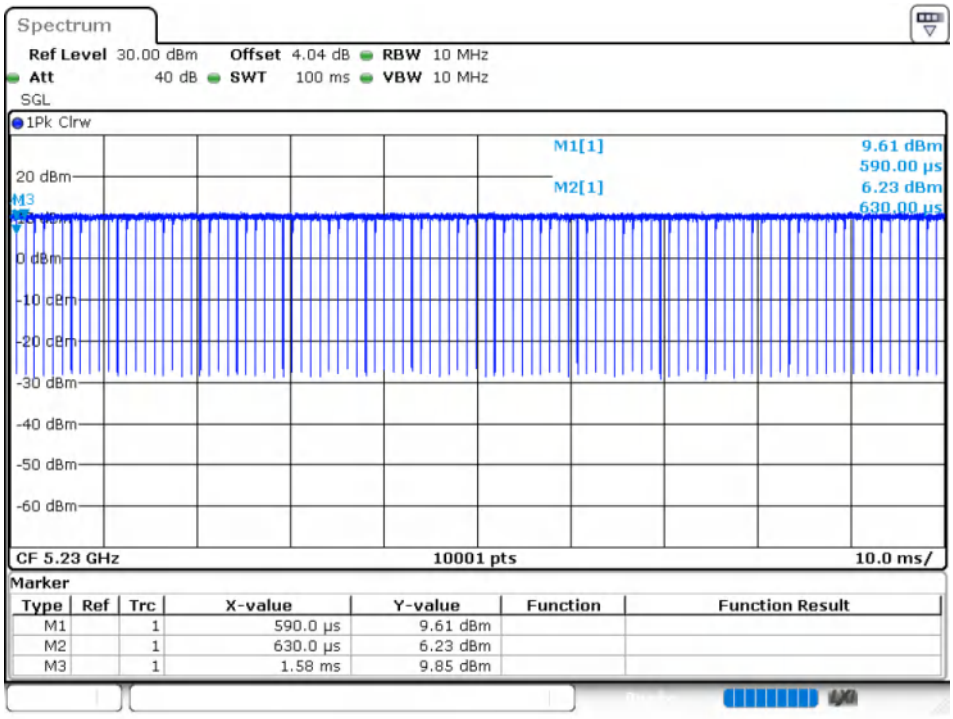
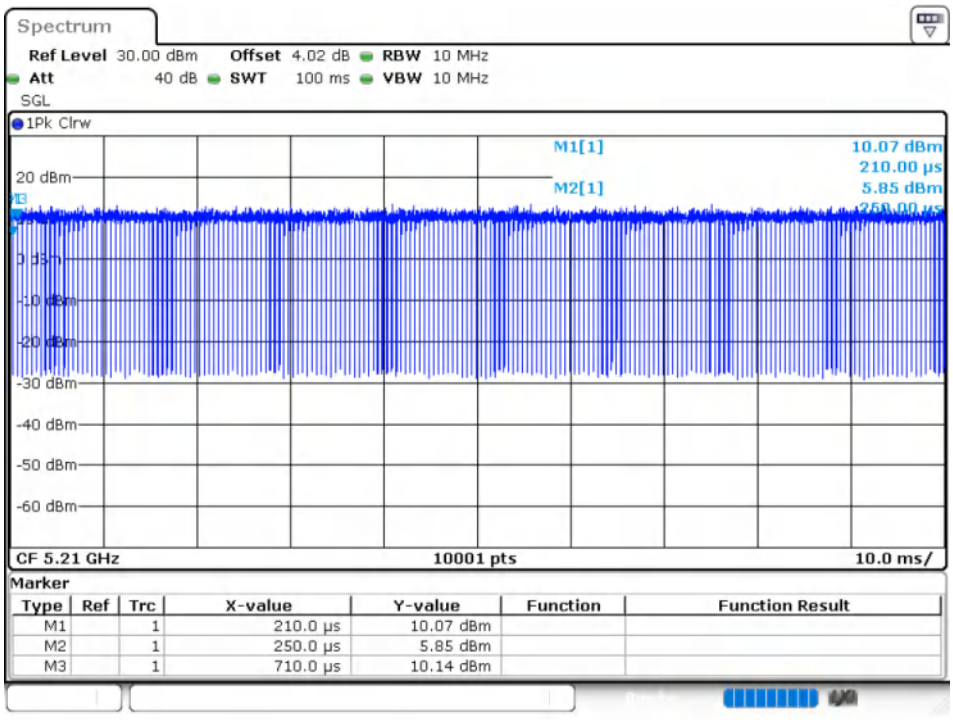
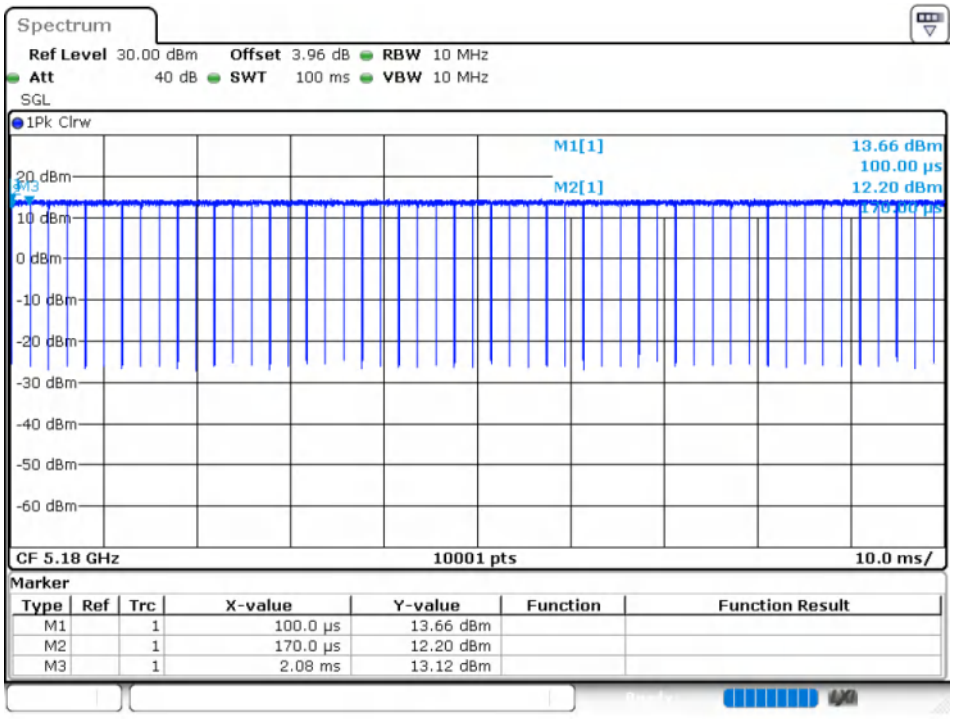
Duty Cycle NVNT ac40 5230MHz Sum



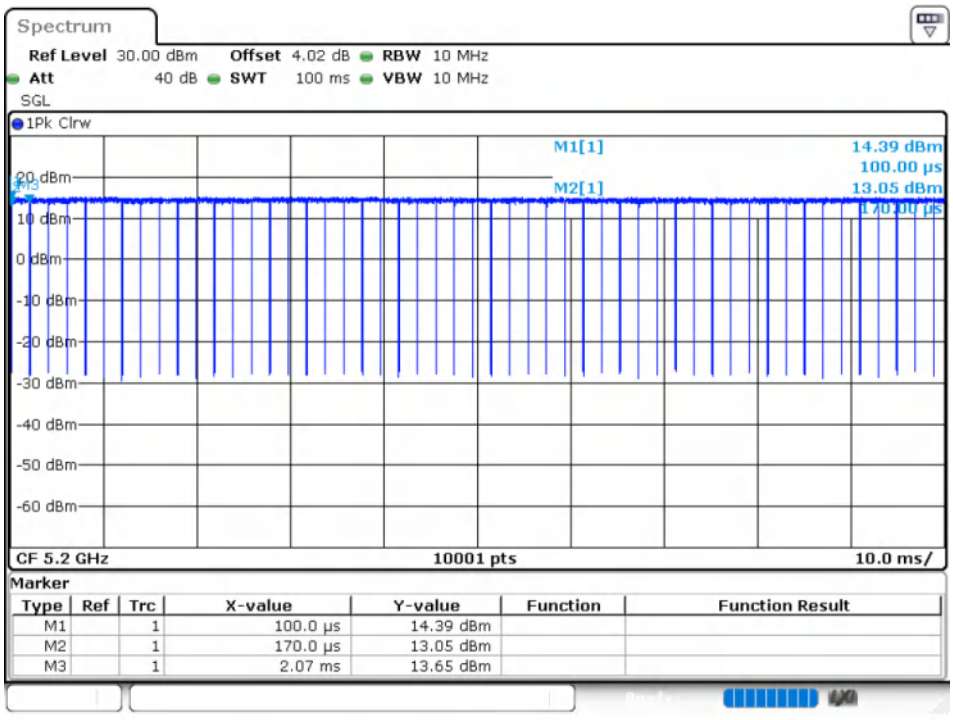
Duty Cycle NVNT ac80 5210MHz Sum



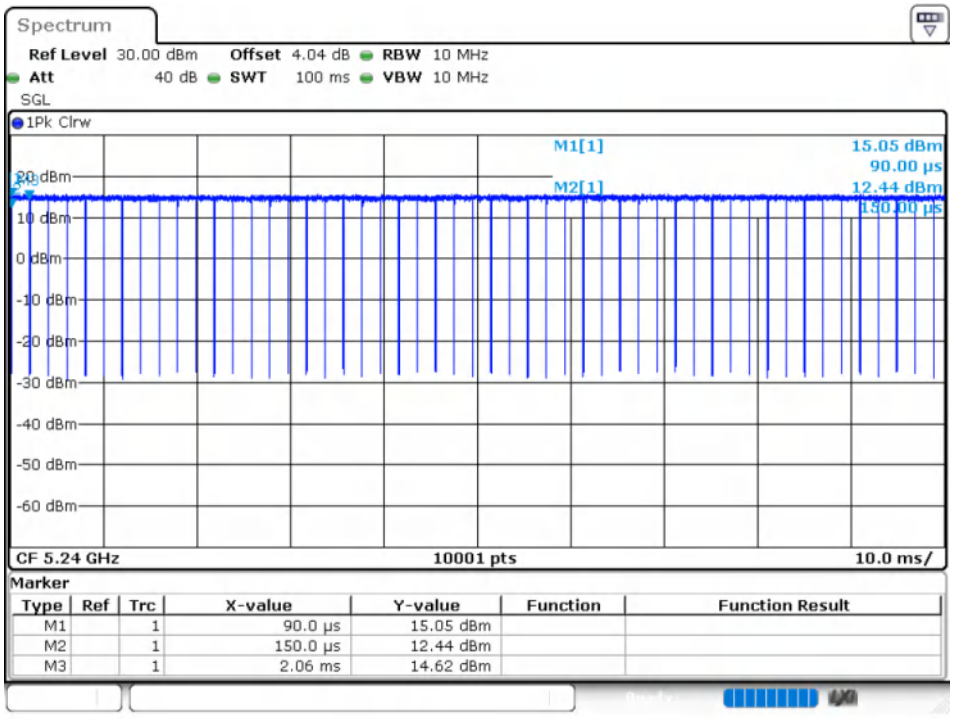
Duty Cycle NVNT n20 5180MHz Sum



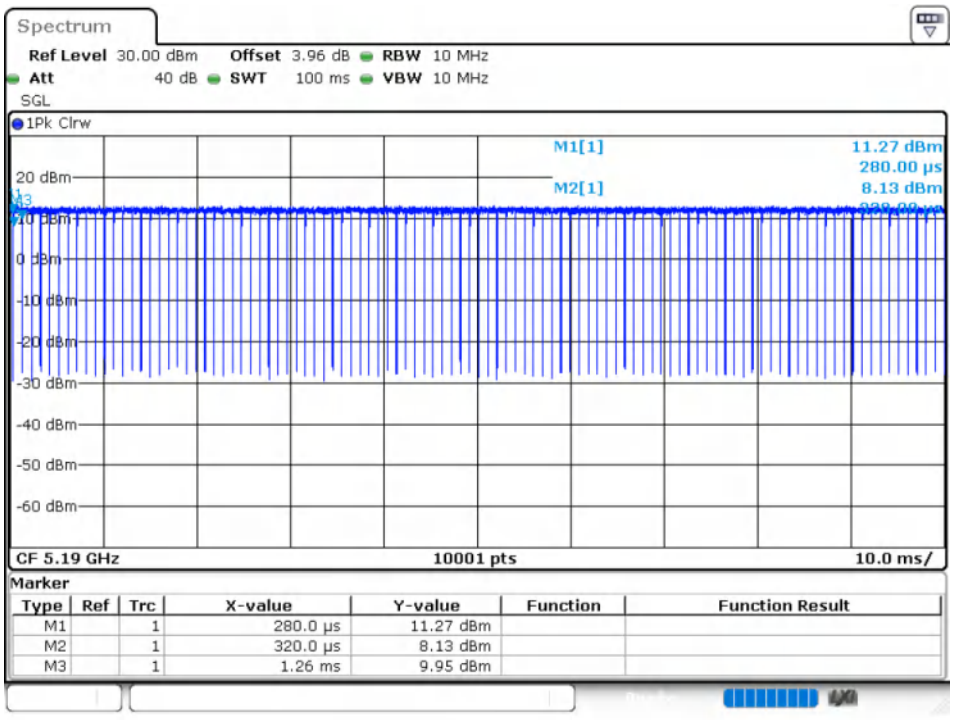
Duty Cycle NVNT n20 5200MHz Sum



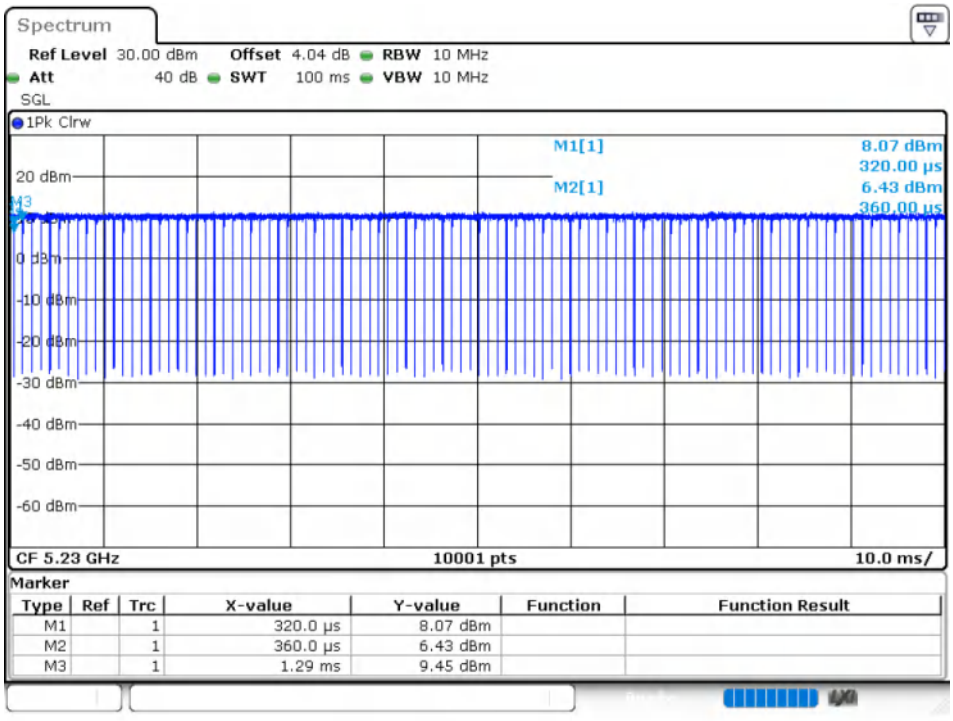
Duty Cycle NVNT n20 5240MHz Sum



Duty Cycle NVNT n40 5190MHz Sum



Duty Cycle NVNT n40 5230MHz Sum



Maximum Conducted Output Power

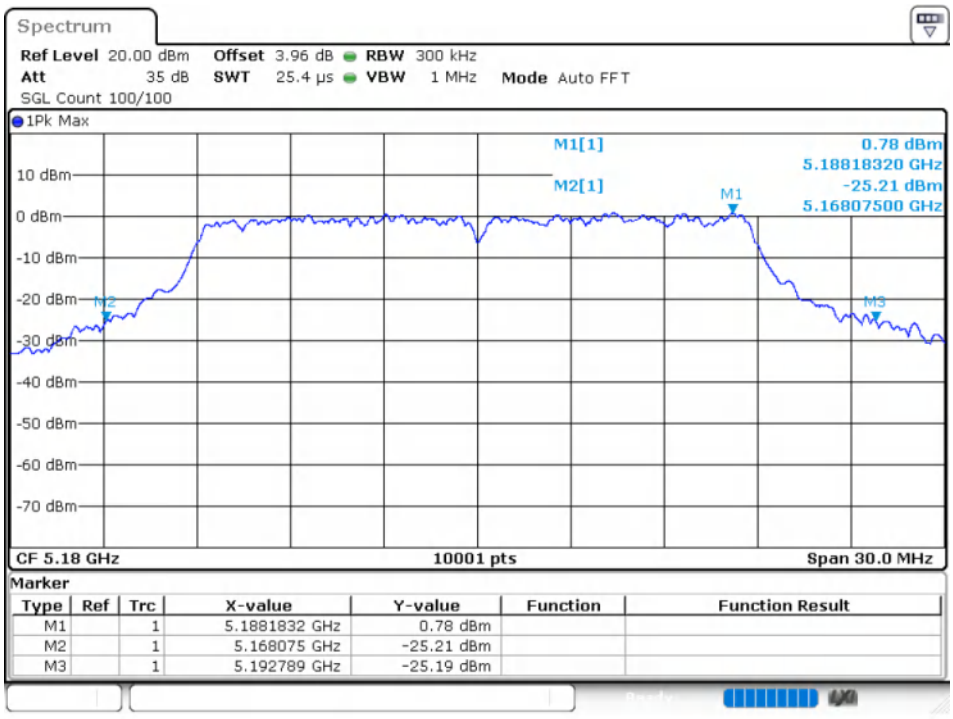
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5180	Ant1	12.3	23.44	Pass
NVNT	ac20	5180	Ant2	12.64	23.44	Pass
NVNT	ac20	5180	Sum	15.48	23.44	Pass
NVNT	ac20	5200	Ant1	12.76	23.44	Pass
NVNT	ac20	5200	Ant2	12.24	23.44	Pass
NVNT	ac20	5200	Sum	15.52	23.44	Pass
NVNT	ac20	5240	Ant1	12.72	23.44	Pass
NVNT	ac20	5240	Ant2	12.38	23.44	Pass
NVNT	ac20	5240	Sum	15.56	23.44	Pass
NVNT	ac40	5190	Ant1	12.76	23.44	Pass
NVNT	ac40	5190	Ant2	12.5	23.44	Pass
NVNT	ac40	5190	Sum	15.64	23.44	Pass
NVNT	ac40	5230	Ant1	11.13	23.44	Pass
NVNT	ac40	5230	Ant2	10.69	23.44	Pass
NVNT	ac40	5230	Sum	13.93	23.44	Pass
NVNT	ac80	5210	Ant1	12.75	23.44	Pass
NVNT	ac80	5210	Ant2	12.52	23.44	Pass
NVNT	ac80	5210	Sum	15.65	23.44	Pass
NVNT	n20	5180	Ant1	12.25	23.44	Pass
NVNT	n20	5180	Ant2	12.6	23.44	Pass
NVNT	n20	5180	Sum	15.44	23.44	Pass
NVNT	n20	5200	Ant1	12.8	23.44	Pass
NVNT	n20	5200	Ant2	12.25	23.44	Pass
NVNT	n20	5200	Sum	15.54	23.44	Pass
NVNT	n20	5240	Ant1	12.7	23.44	Pass
NVNT	n20	5240	Ant2	12.38	23.44	Pass
NVNT	n20	5240	Sum	15.55	23.44	Pass
NVNT	n40	5190	Ant1	12.84	23.44	Pass
NVNT	n40	5190	Ant2	12.59	23.44	Pass
NVNT	n40	5190	Sum	15.73	23.44	Pass
NVNT	n40	5230	Ant1	11.08	23.44	Pass
NVNT	n40	5230	Ant2	10.81	23.44	Pass
NVNT	n40	5230	Sum	13.96	23.44	Pass

Note:The test has added Duty Factor.

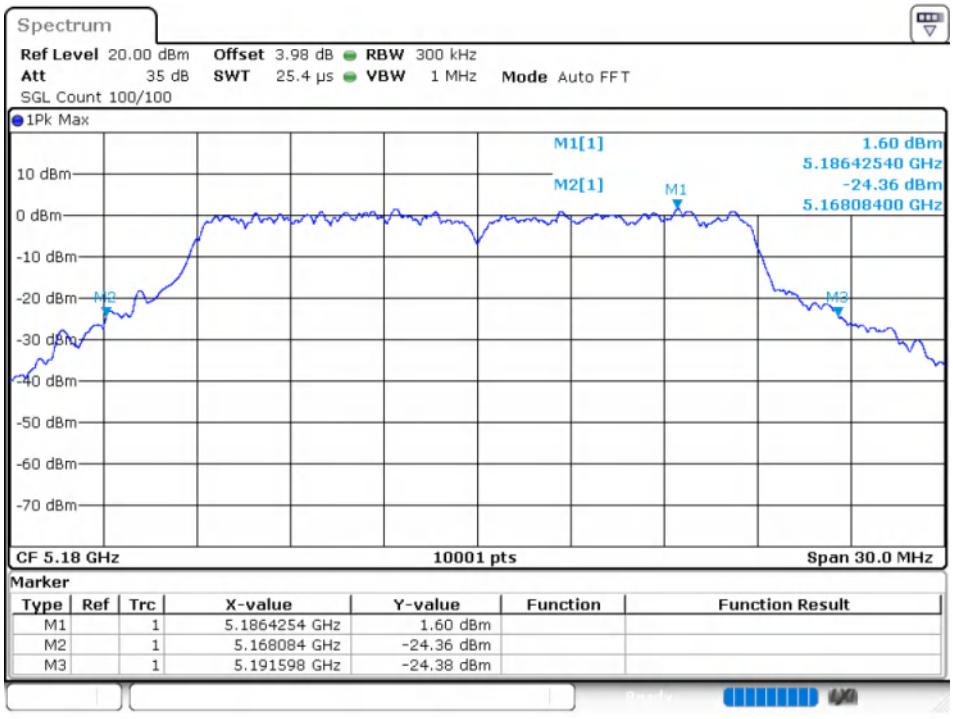
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	ac20	5180	Ant1	24.714	0.5	Pass
NVNT	ac20	5180	Ant2	23.514	0.5	Pass
NVNT	ac20	5200	Ant1	25.782	0.5	Pass
NVNT	ac20	5200	Ant2	23.622	0.5	Pass
NVNT	ac20	5240	Ant1	35.285	0.5	Pass
NVNT	ac20	5240	Ant2	23.895	0.5	Pass
NVNT	ac40	5190	Ant1	46.164	0.5	Pass
NVNT	ac40	5190	Ant2	44.574	0.5	Pass
NVNT	ac40	5230	Ant1	45.894	0.5	Pass
NVNT	ac40	5230	Ant2	45.666	0.5	Pass
NVNT	ac80	5210	Ant1	86.568	0.5	Pass
NVNT	ac80	5210	Ant2	84.804	0.5	Pass
NVNT	n20	5180	Ant1	23.391	0.5	Pass
NVNT	n20	5180	Ant2	23.382	0.5	Pass
NVNT	n20	5200	Ant1	26.013	0.5	Pass
NVNT	n20	5200	Ant2	24.279	0.5	Pass
NVNT	n20	5240	Ant1	29.439	0.5	Pass
NVNT	n20	5240	Ant2	23.301	0.5	Pass
NVNT	n40	5190	Ant1	46.398	0.5	Pass
NVNT	n40	5190	Ant2	44.178	0.5	Pass
NVNT	n40	5230	Ant1	45.48	0.5	Pass
NVNT	n40	5230	Ant2	44.754	0.5	Pass

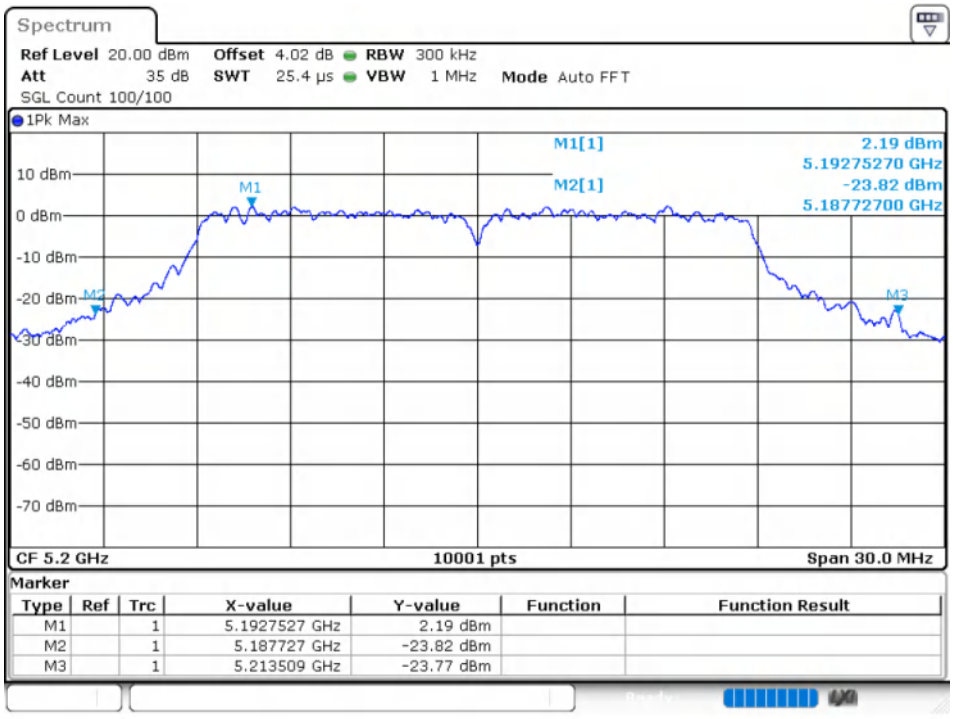
Test Graphs
-26dB Bandwidth NVNT ac20 5180MHz Ant1



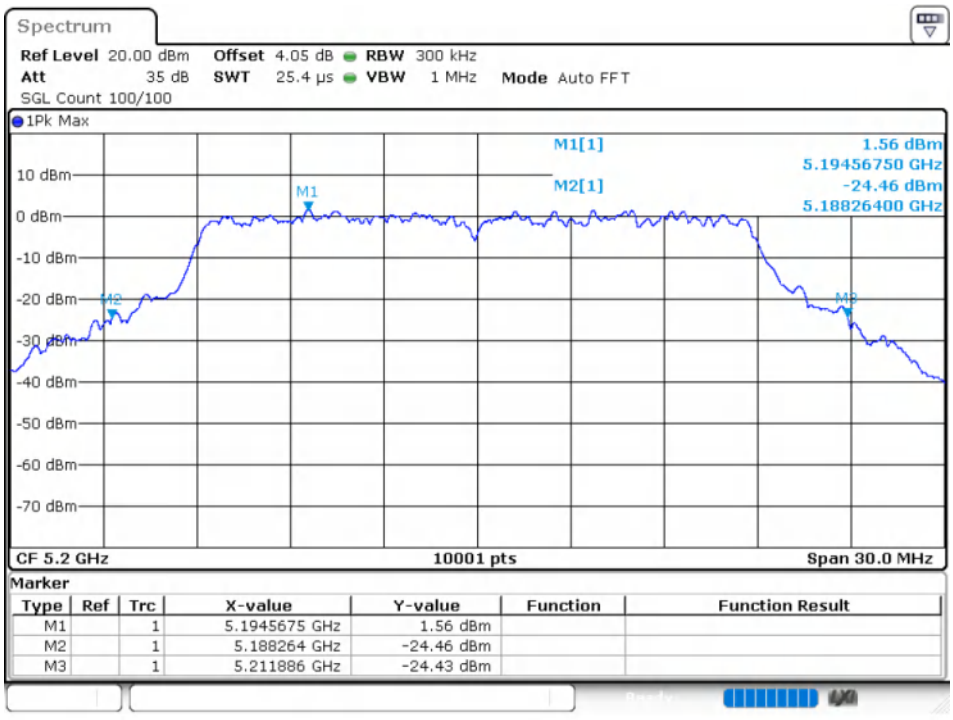
-26dB Bandwidth NVNT ac20 5180MHz Ant2



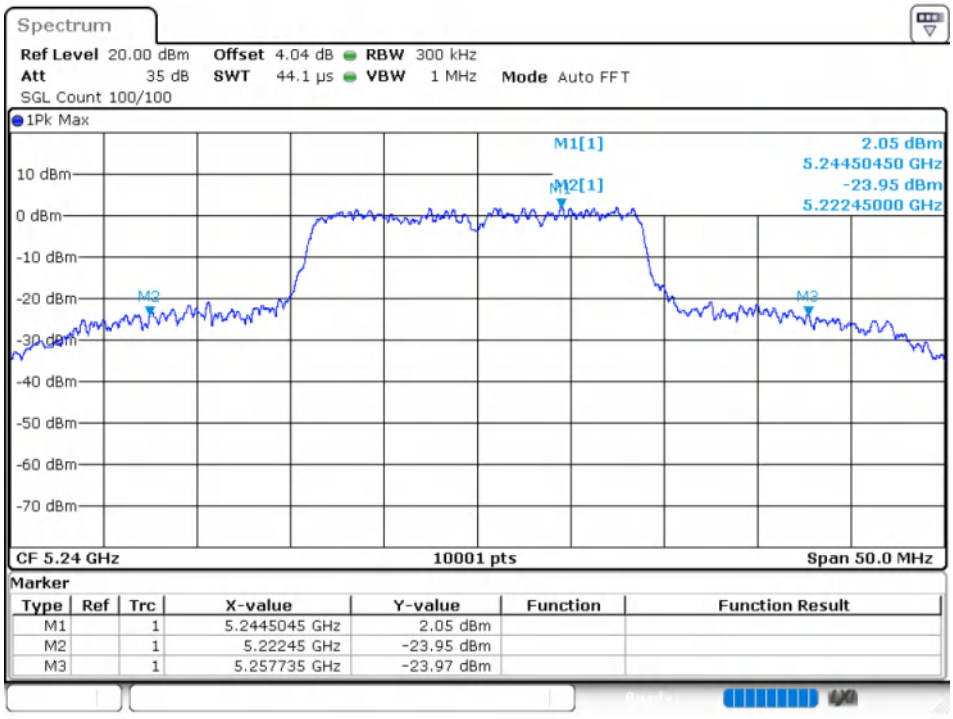
-26dB Bandwidth NVNT ac20 5200MHz Ant1



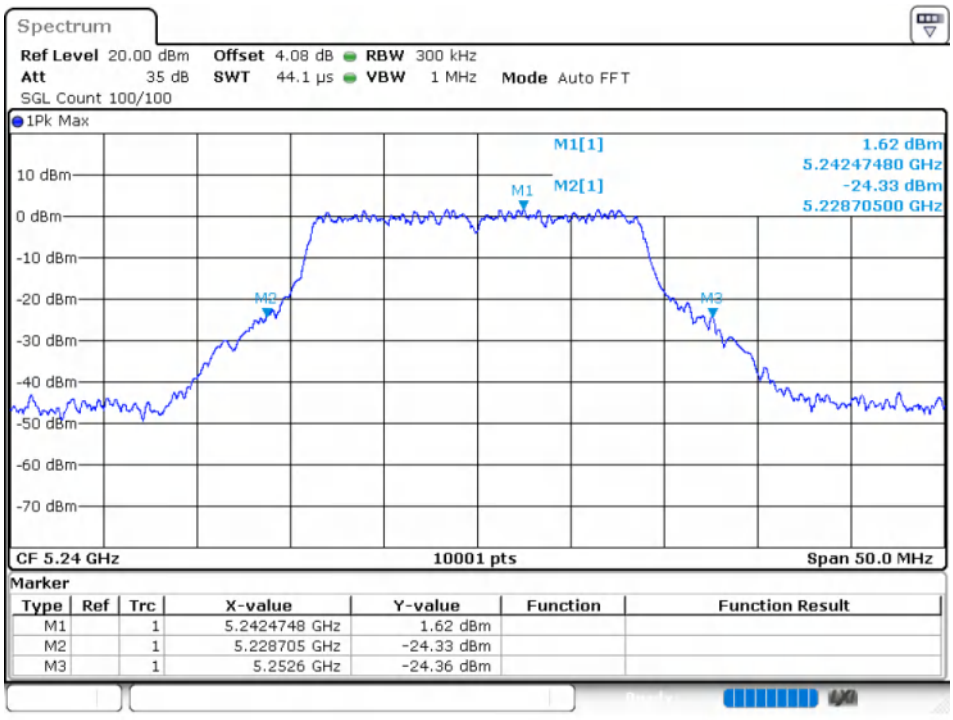
-26dB Bandwidth NVNT ac20 5200MHz Ant2



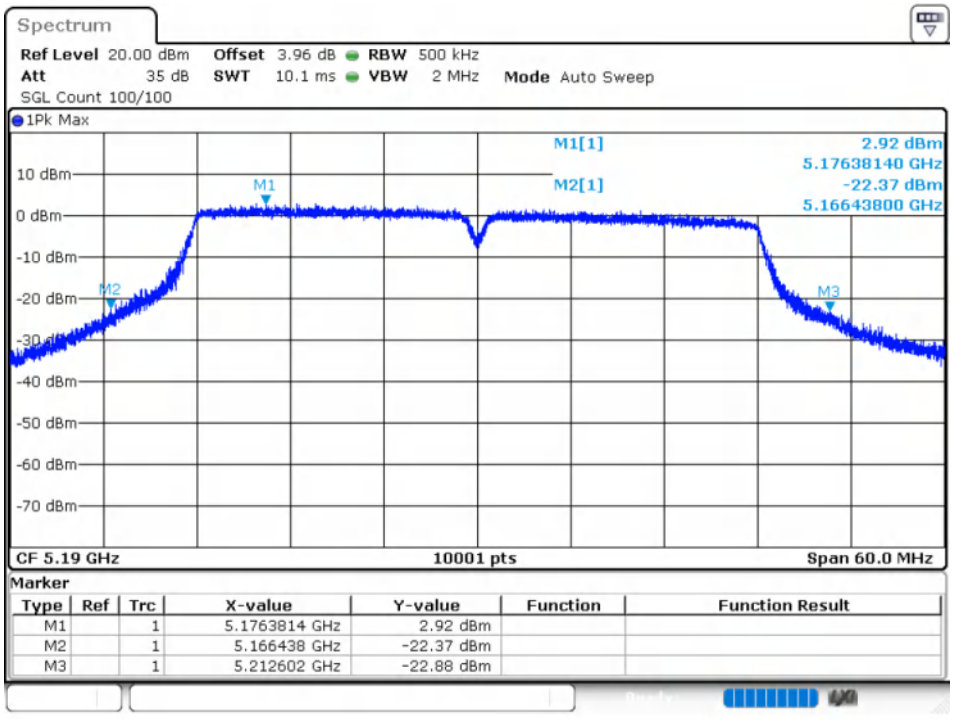
-26dB Bandwidth NVNT ac20 5240MHz Ant1



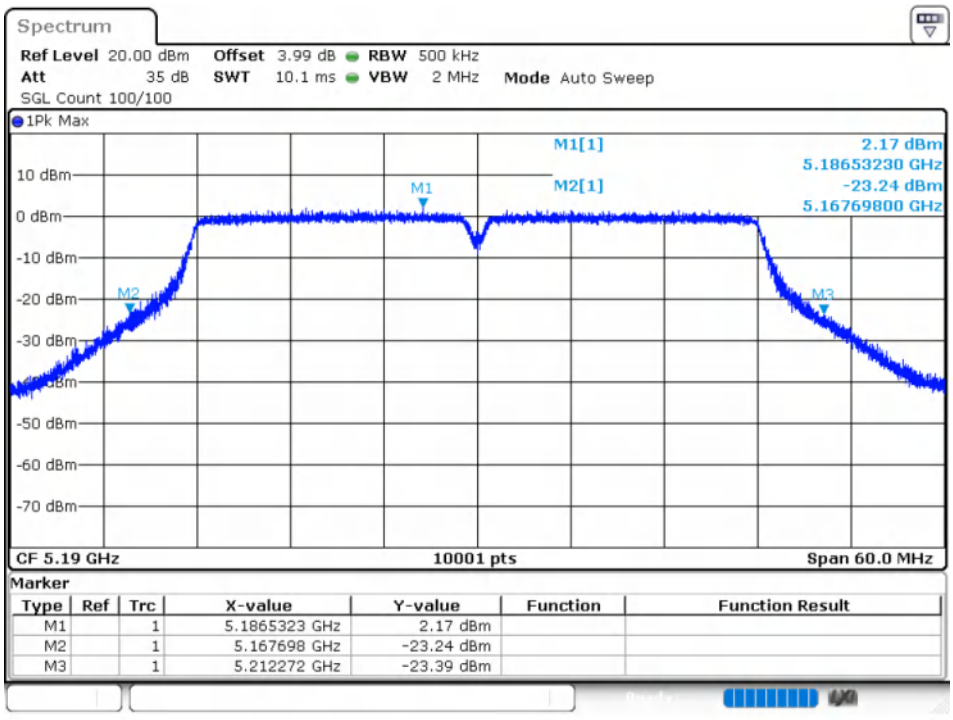
-26dB Bandwidth NVNT ac20 5240MHz Ant2



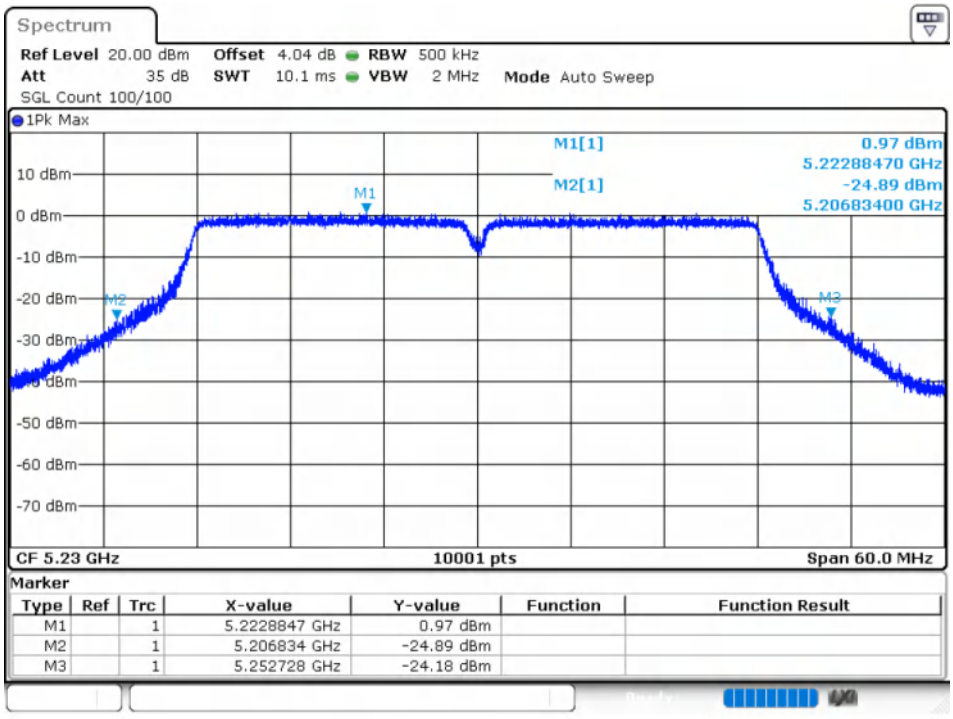
-26dB Bandwidth NVNT ac40 5190MHz Ant1



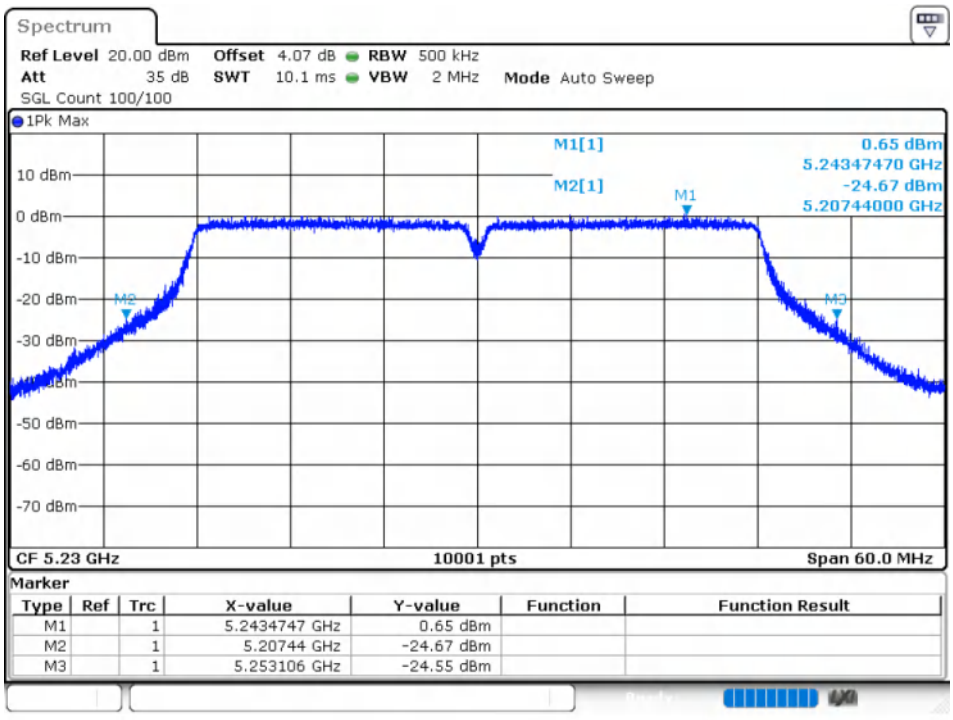
-26dB Bandwidth NVNT ac40 5190MHz Ant2



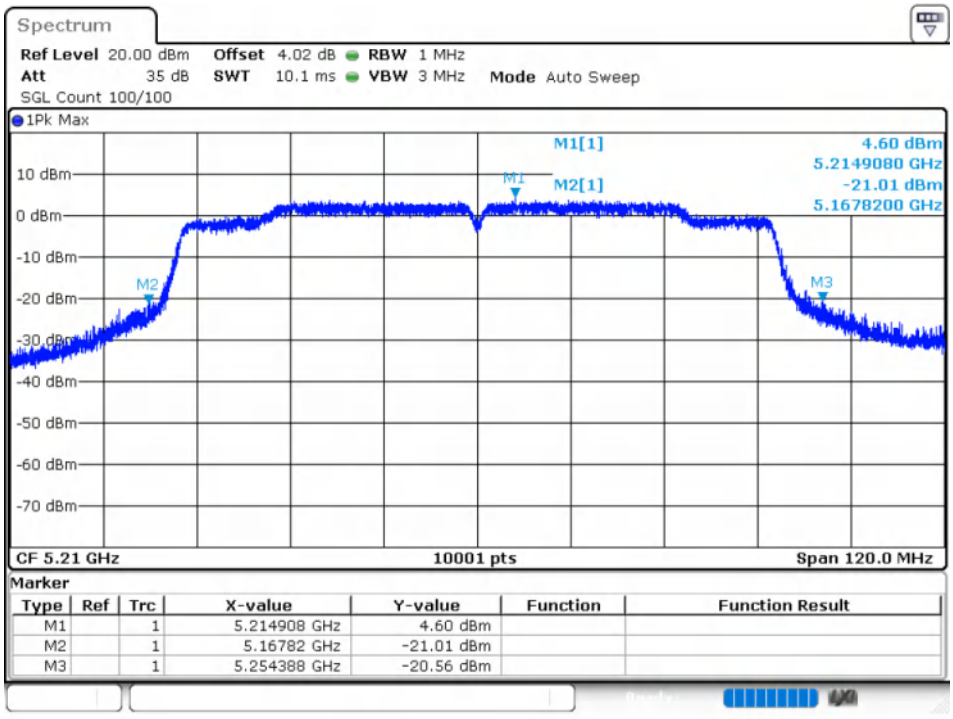
-26dB Bandwidth NVNT ac40 5230MHz Ant1



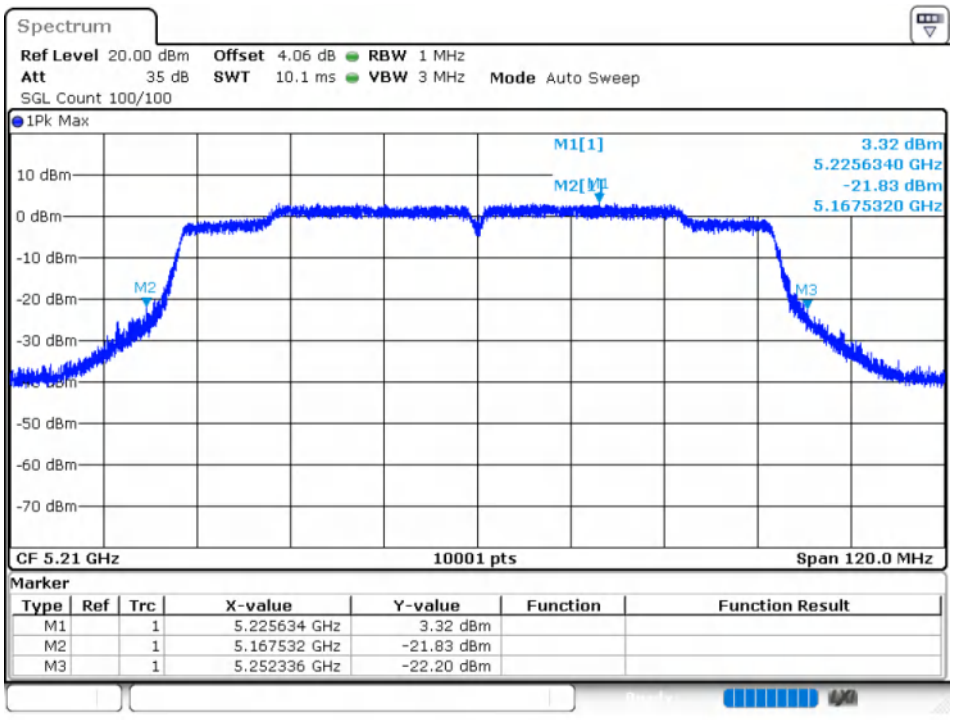
-26dB Bandwidth NVNT ac40 5230MHz Ant2



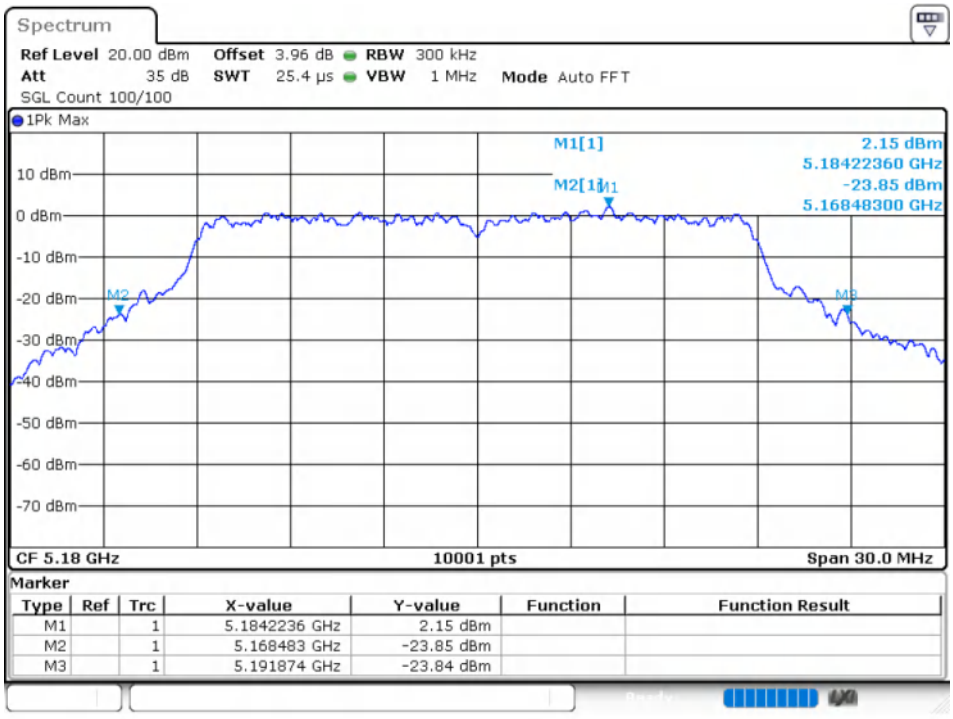
-26dB Bandwidth NVNT ac80 5210MHz Ant1



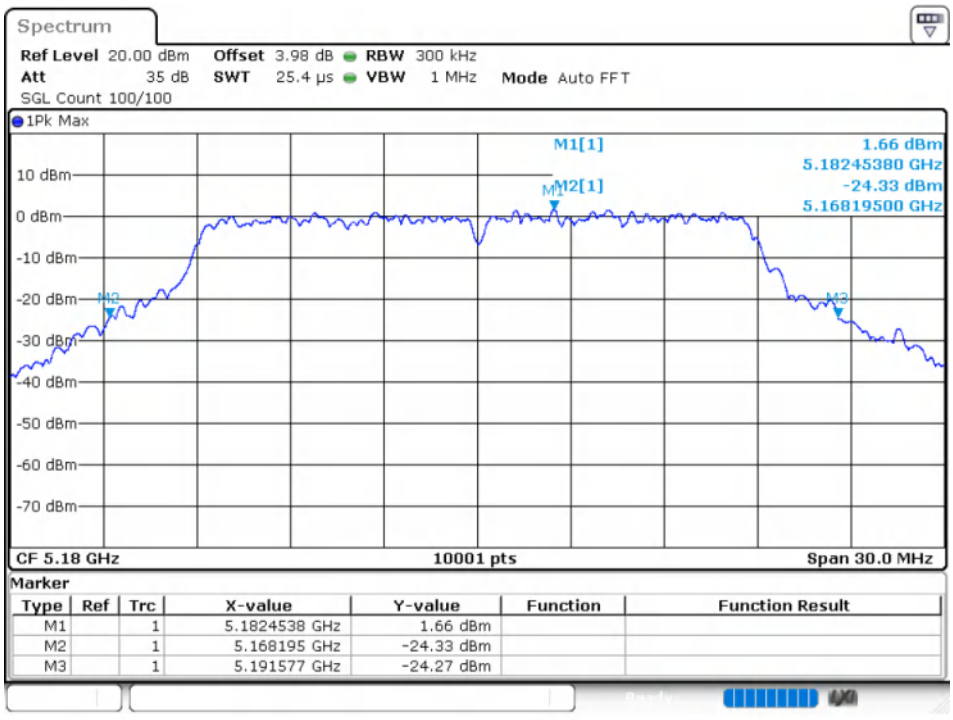
-26dB Bandwidth NVNT ac80 5210MHz Ant2



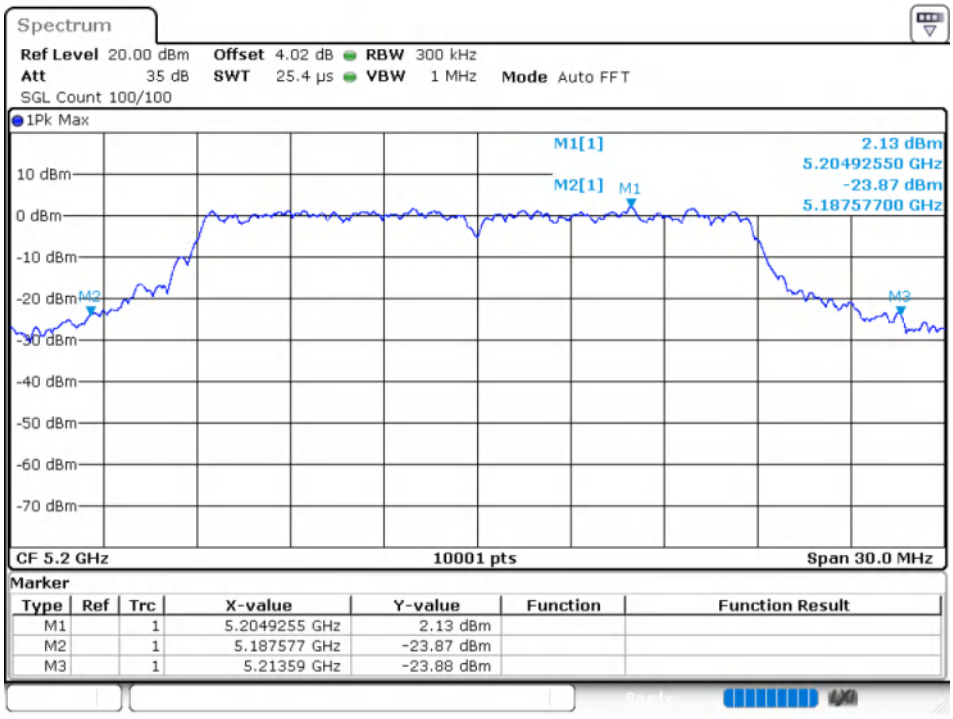
-26dB Bandwidth NVNT n20 5180MHz Ant1



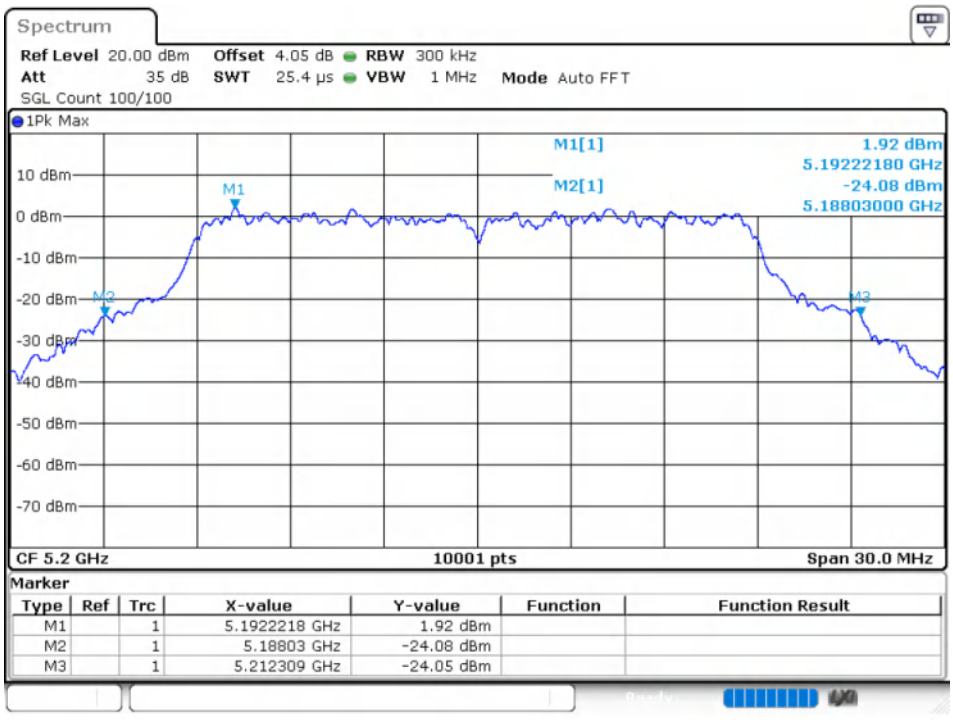
-26dB Bandwidth NVNT n20 5180MHz Ant2



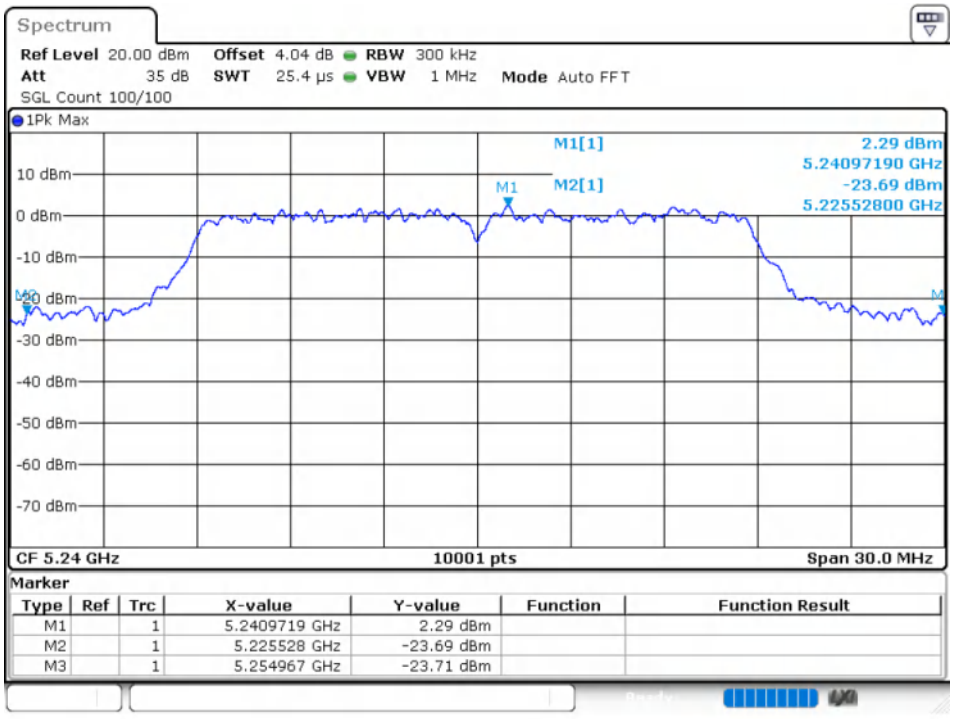
-26dB Bandwidth NVNT n20 5200MHz Ant1



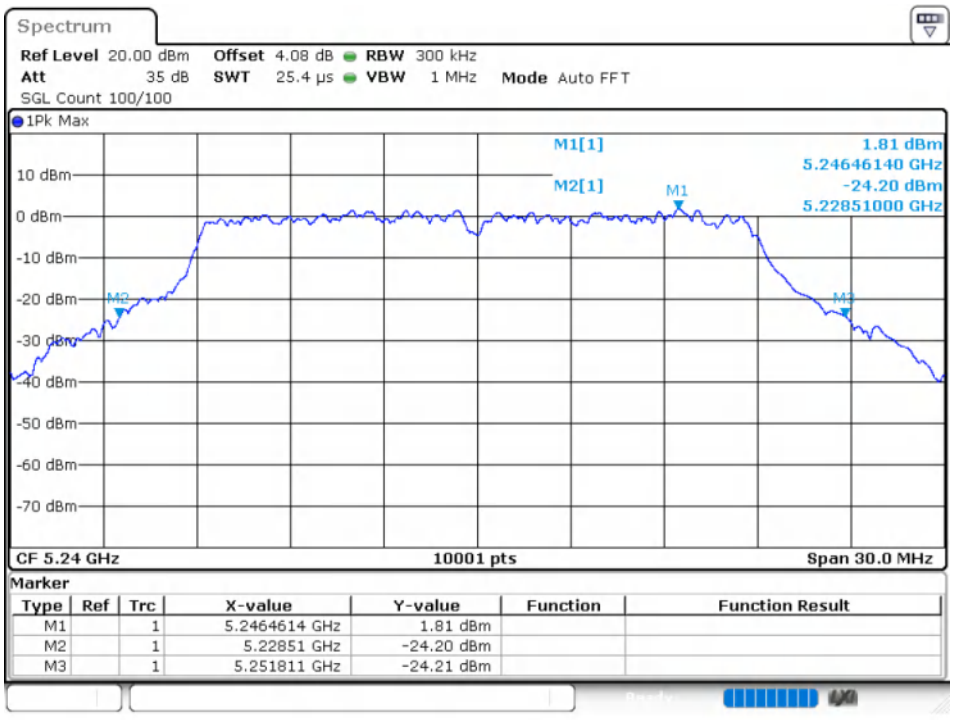
-26dB Bandwidth NVNT n20 5200MHz Ant2



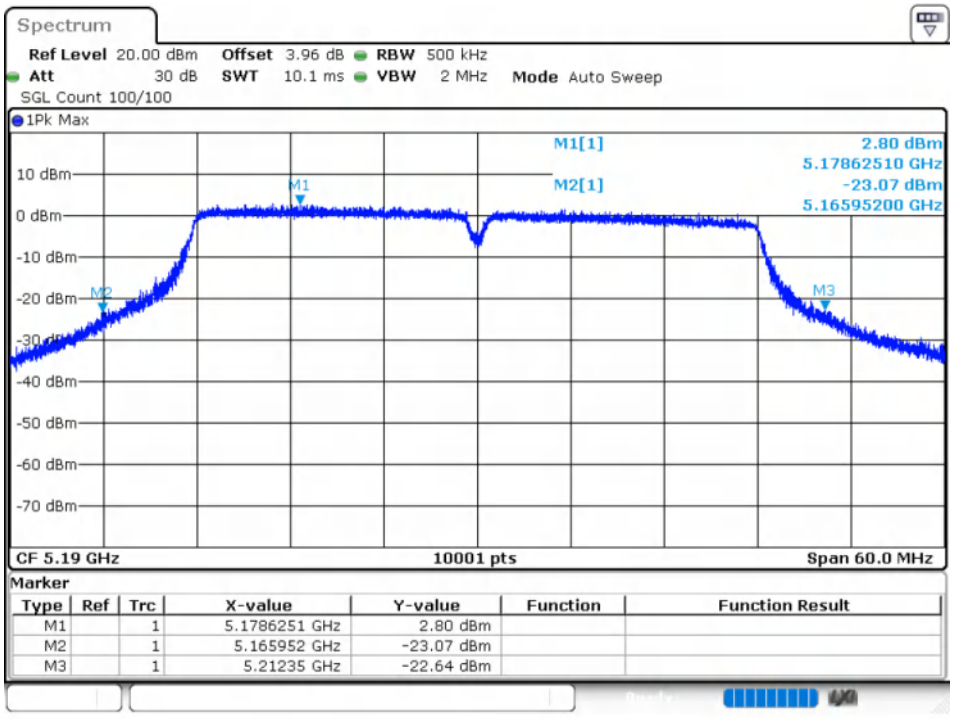
-26dB Bandwidth NVNT n20 5240MHz Ant1



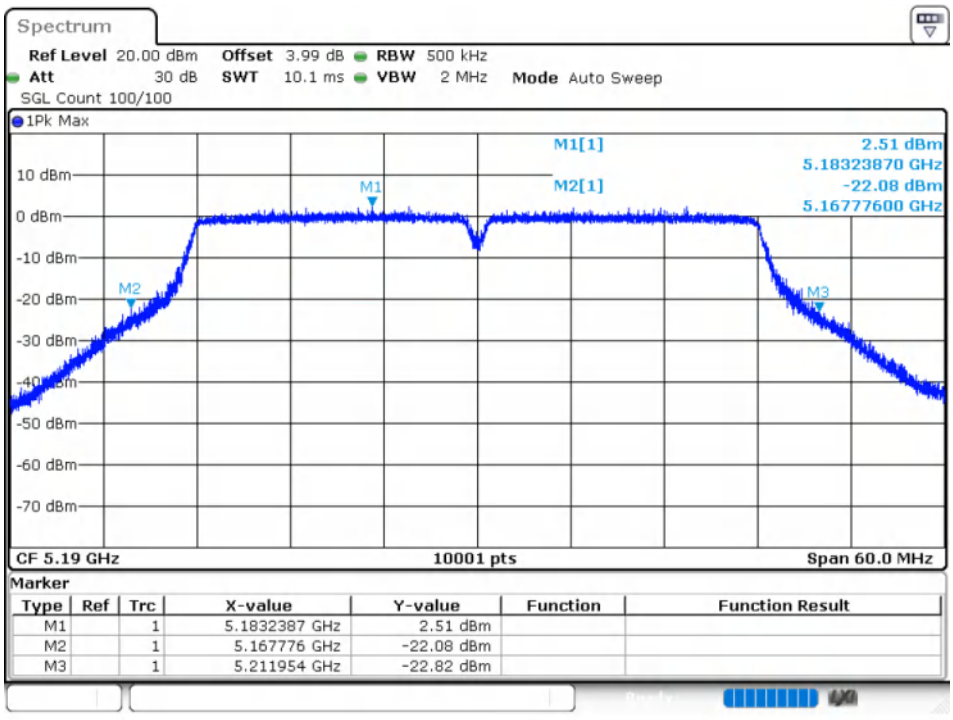
-26dB Bandwidth NVNT n20 5240MHz Ant2



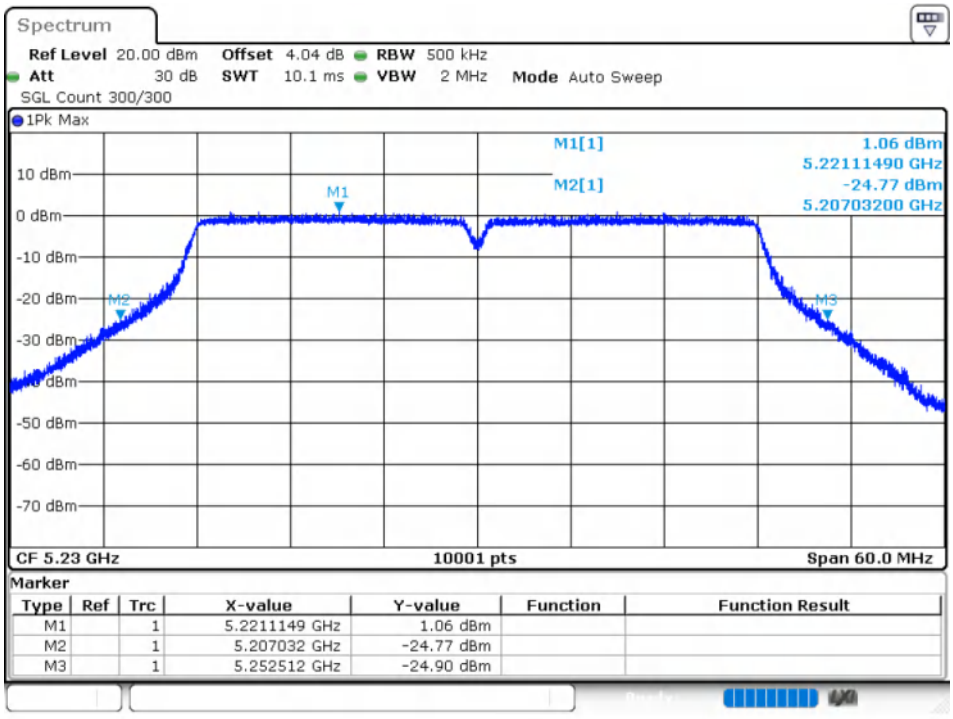
-26dB Bandwidth NVNT n40 5190MHz Ant1



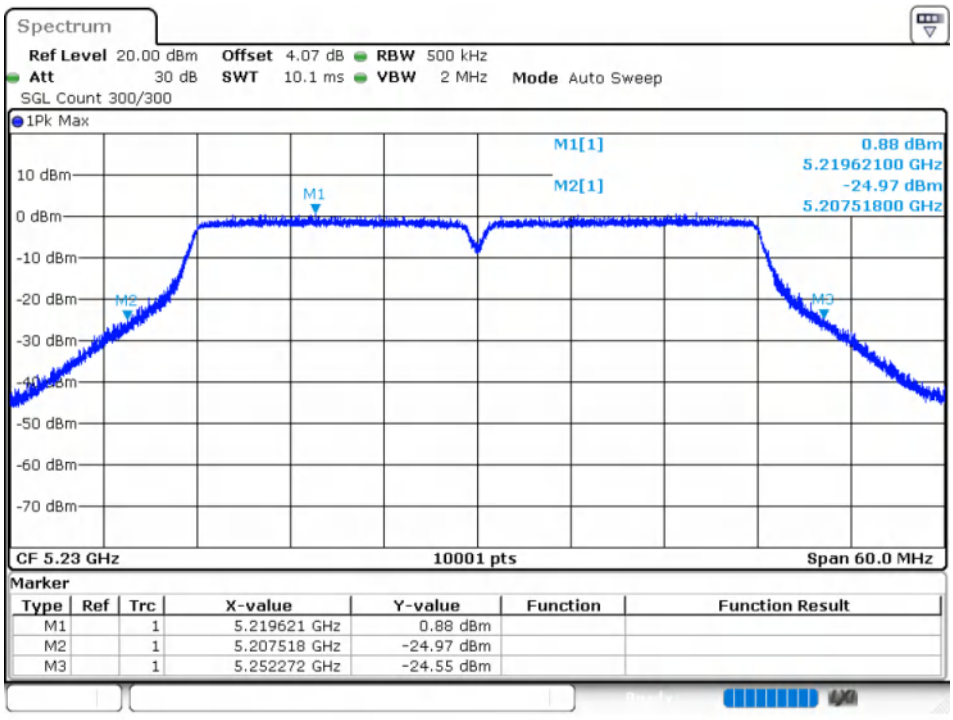
-26dB Bandwidth NVNT n40 5190MHz Ant2



-26dB Bandwidth NVNT n40 5230MHz Ant1



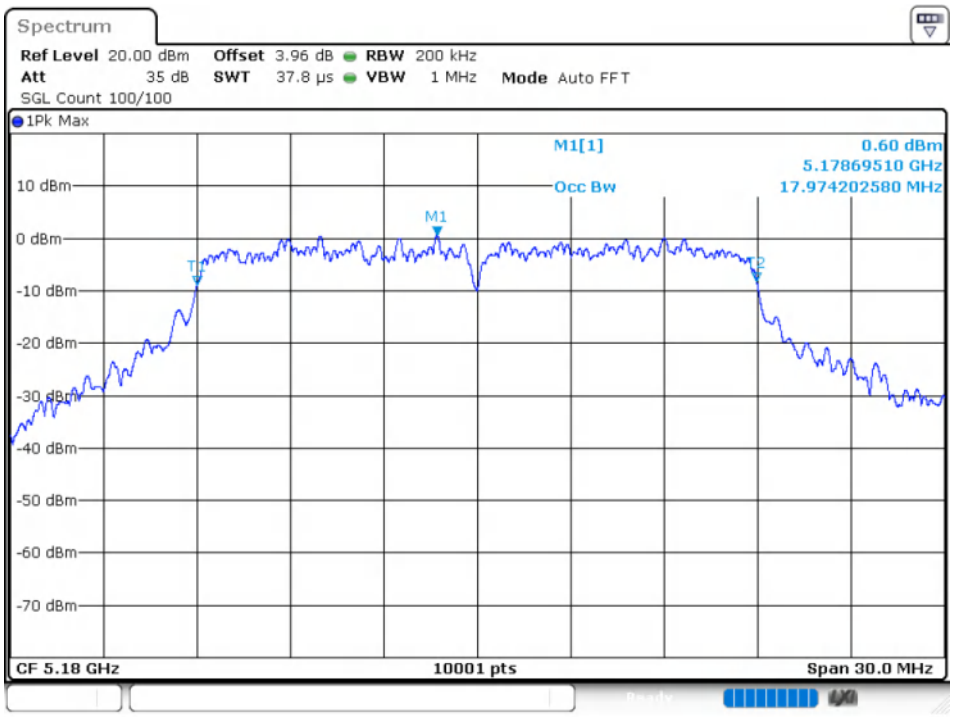
-26dB Bandwidth NVNT n40 5230MHz Ant2



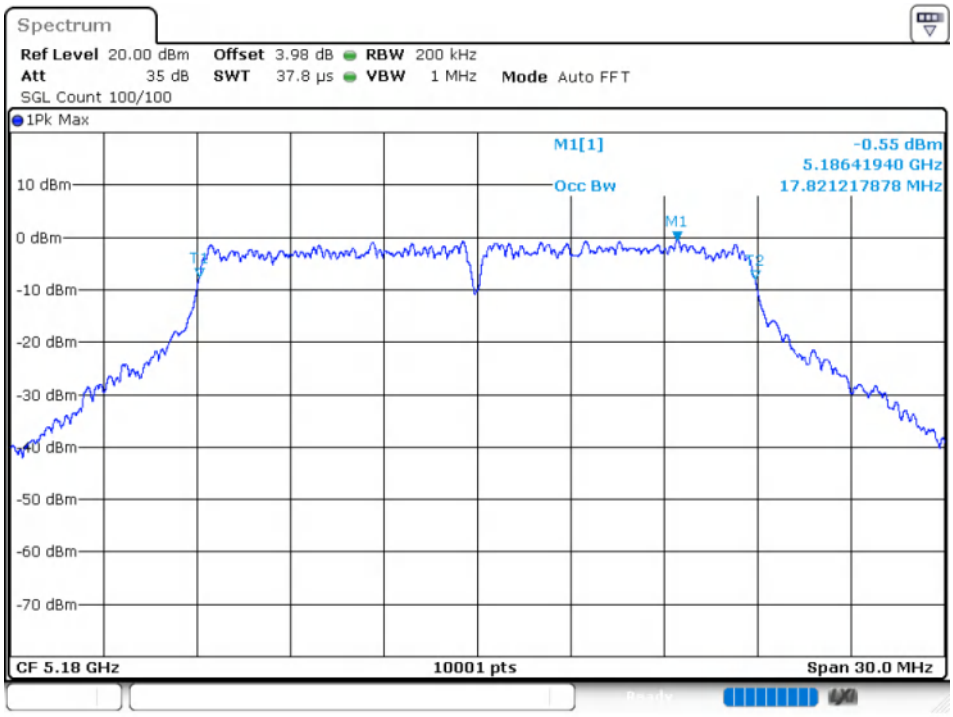
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	ac20	5180	Ant1	17.974
NVNT	ac20	5180	Ant2	17.821
NVNT	ac20	5200	Ant1	17.86
NVNT	ac20	5200	Ant2	17.818
NVNT	ac20	5240	Ant1	17.866
NVNT	ac20	5240	Ant2	17.917
NVNT	ac40	5190	Ant1	36.464
NVNT	ac40	5190	Ant2	36.452
NVNT	ac40	5230	Ant1	36.506
NVNT	ac40	5230	Ant2	36.512
NVNT	ac80	5210	Ant1	75.112
NVNT	ac80	5210	Ant2	75.064
NVNT	n20	5180	Ant1	17.851
NVNT	n20	5180	Ant2	17.866
NVNT	n20	5200	Ant1	17.947
NVNT	n20	5200	Ant2	17.815
NVNT	n20	5240	Ant1	17.89
NVNT	n20	5240	Ant2	17.923
NVNT	n40	5190	Ant1	36.482
NVNT	n40	5190	Ant2	36.452
NVNT	n40	5230	Ant1	36.554
NVNT	n40	5230	Ant2	36.56

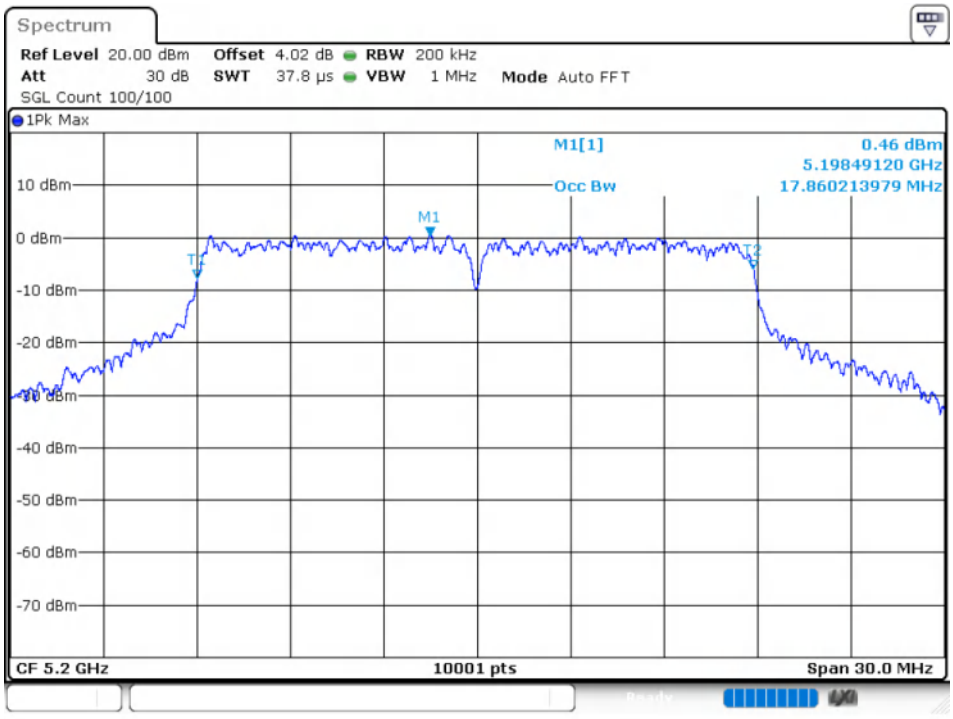
Test Graphs
OBW NVNT ac20 5180MHz Ant1



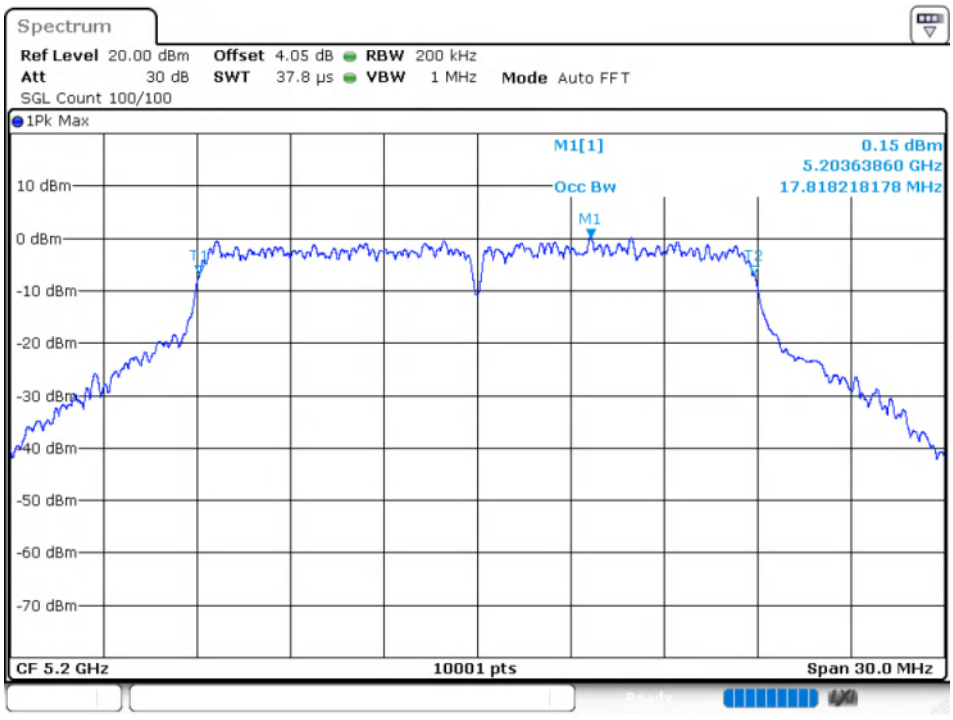
OBW NVNT ac20 5180MHz Ant2



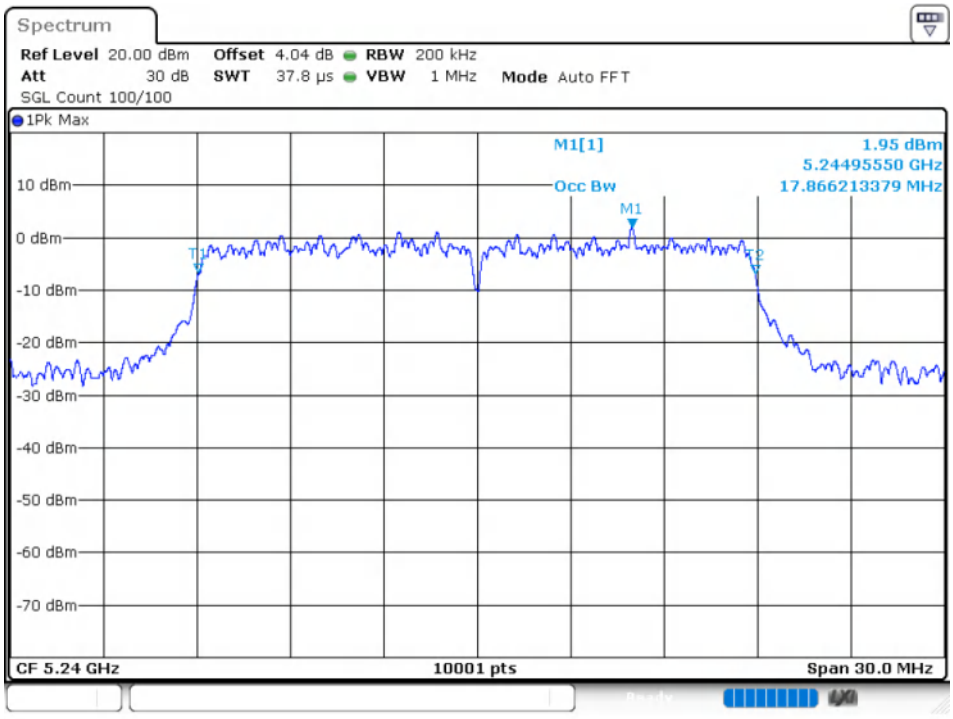
OBW NVNT ac20 5200MHz Ant1



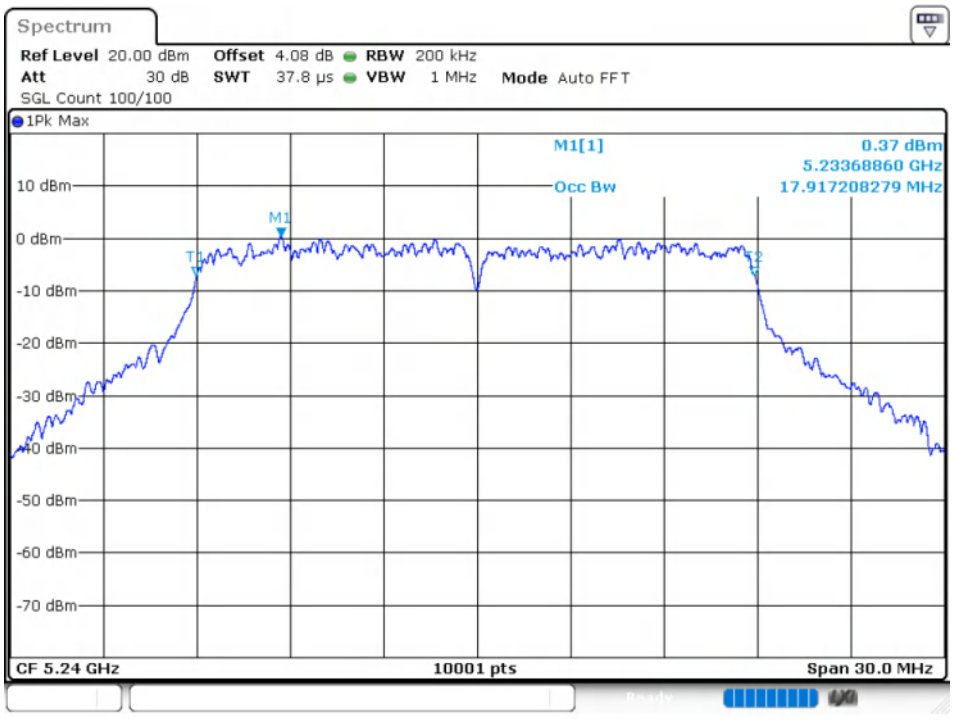
OBW NVNT ac20 5200MHz Ant2



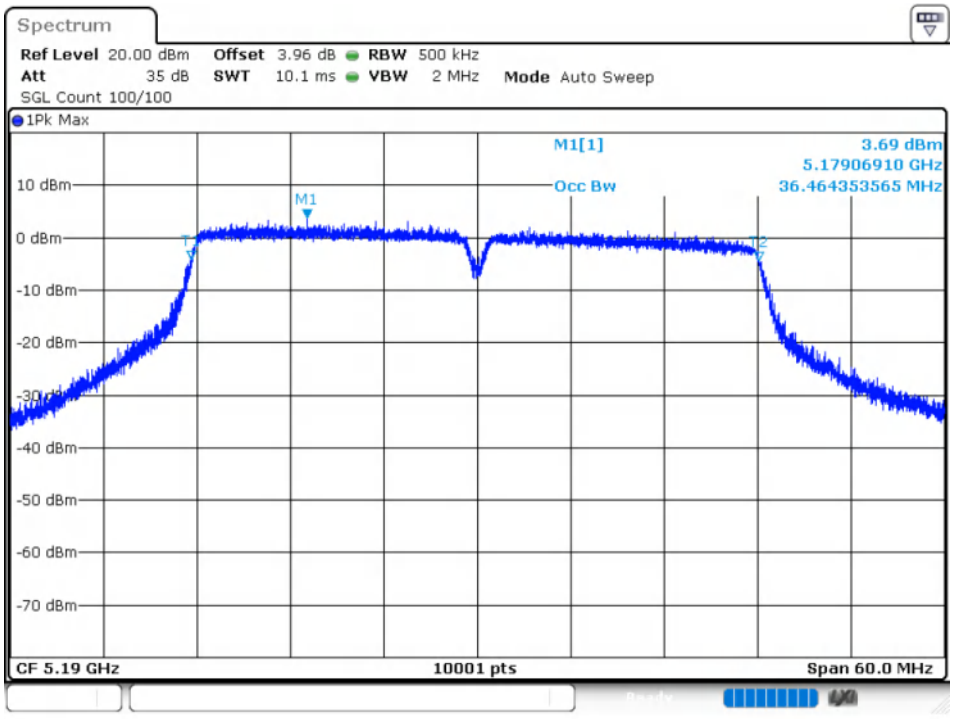
OBW NVNT ac20 5240MHz Ant1



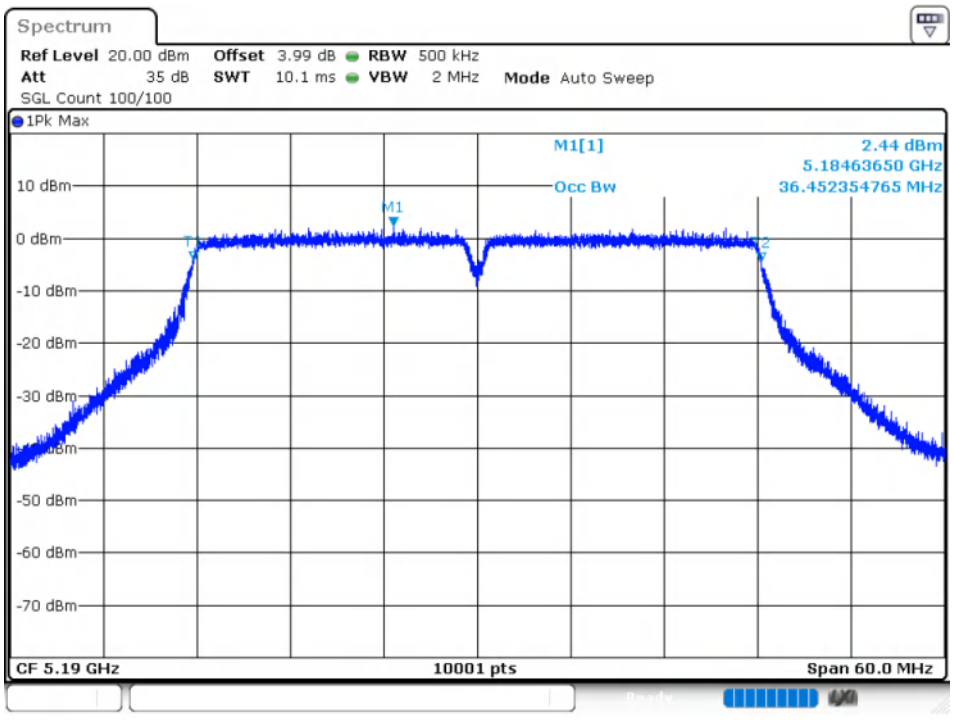
OBW NVNT ac20 5240MHz Ant2



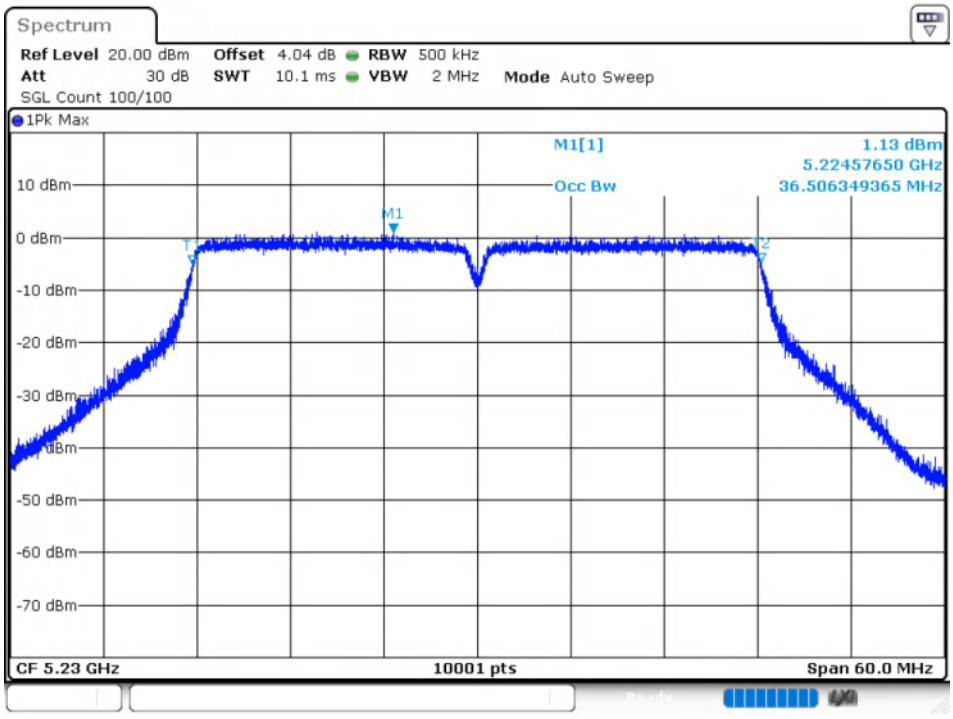
OBW NVNT ac40 5190MHz Ant1



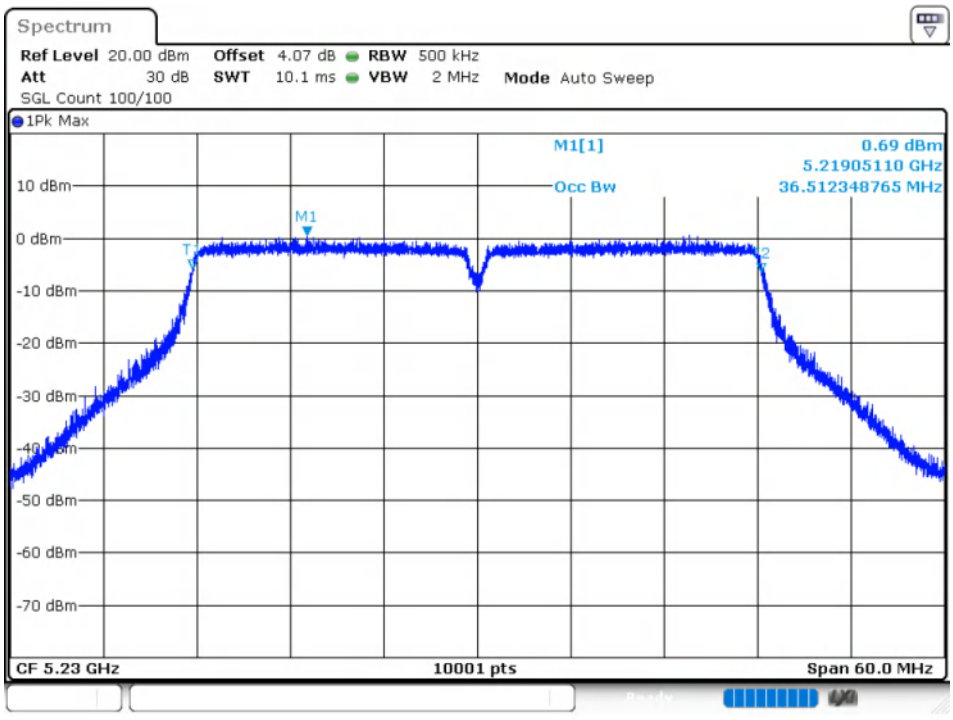
OBW NVNT ac40 5190MHz Ant2



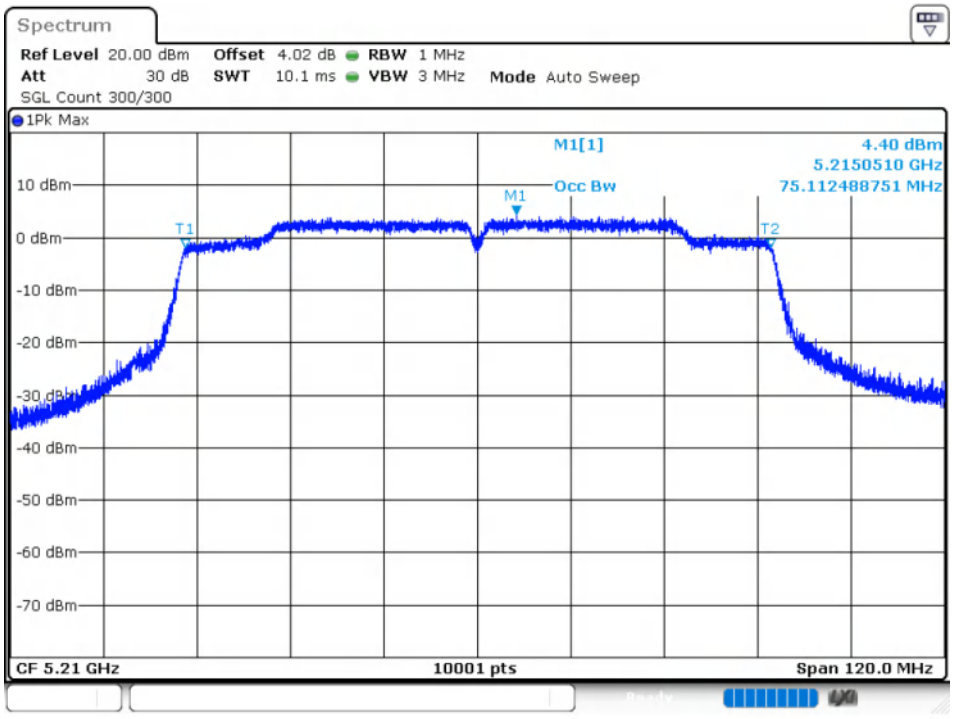
OBW NVNT ac40 5230MHz Ant1



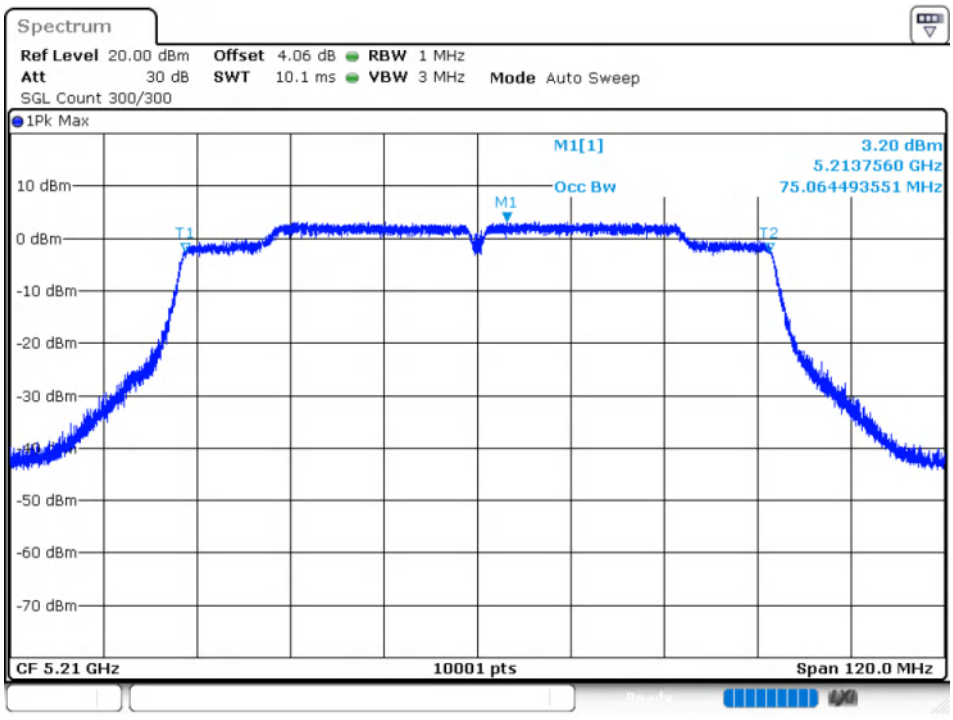
OBW NVNT ac40 5230MHz Ant2



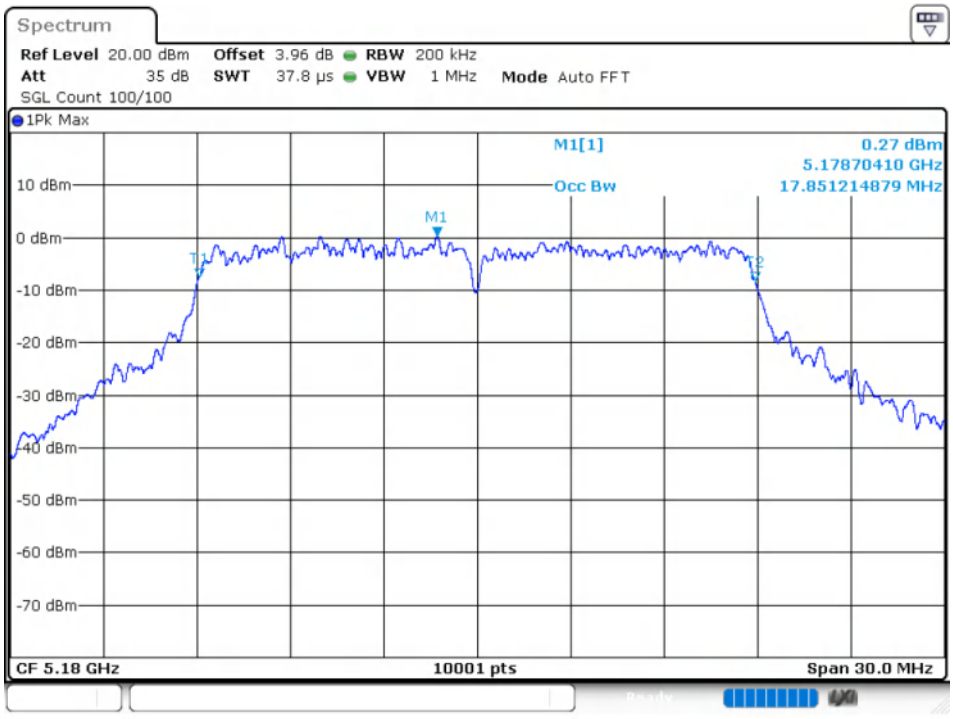
OBW NVNT ac80 5210MHz Ant1



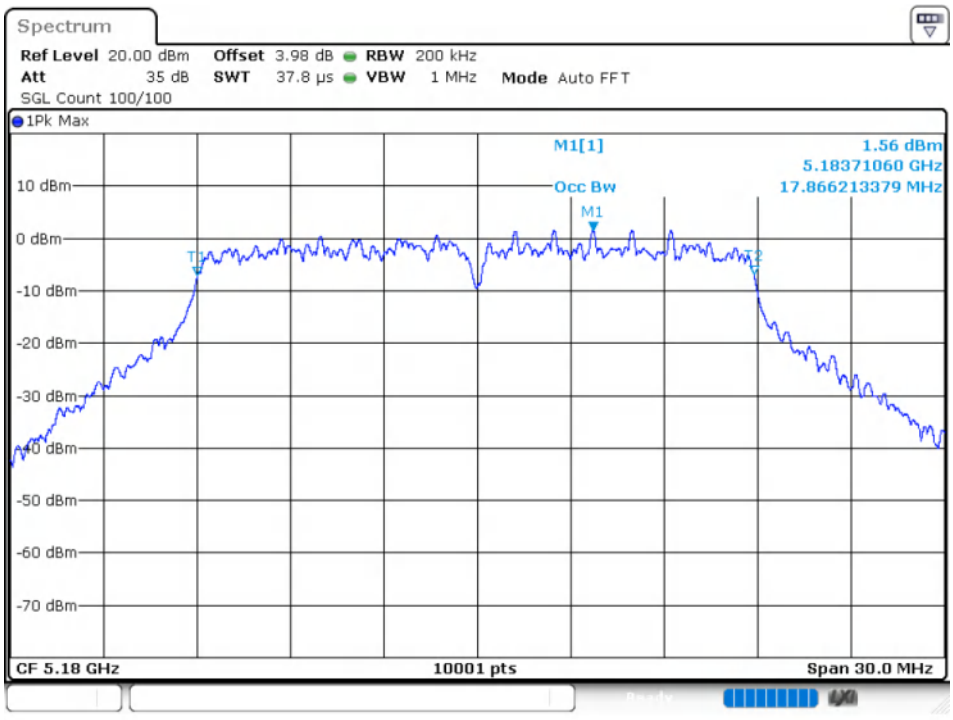
OBW NVNT ac80 5210MHz Ant2



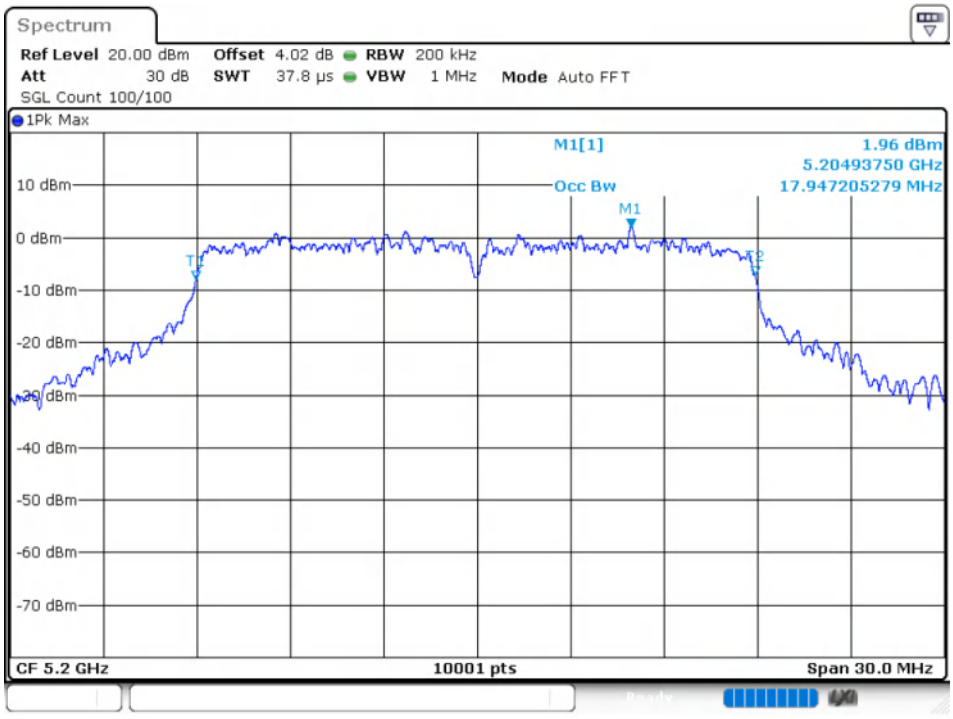
OBW NVNT n20 5180MHz Ant1



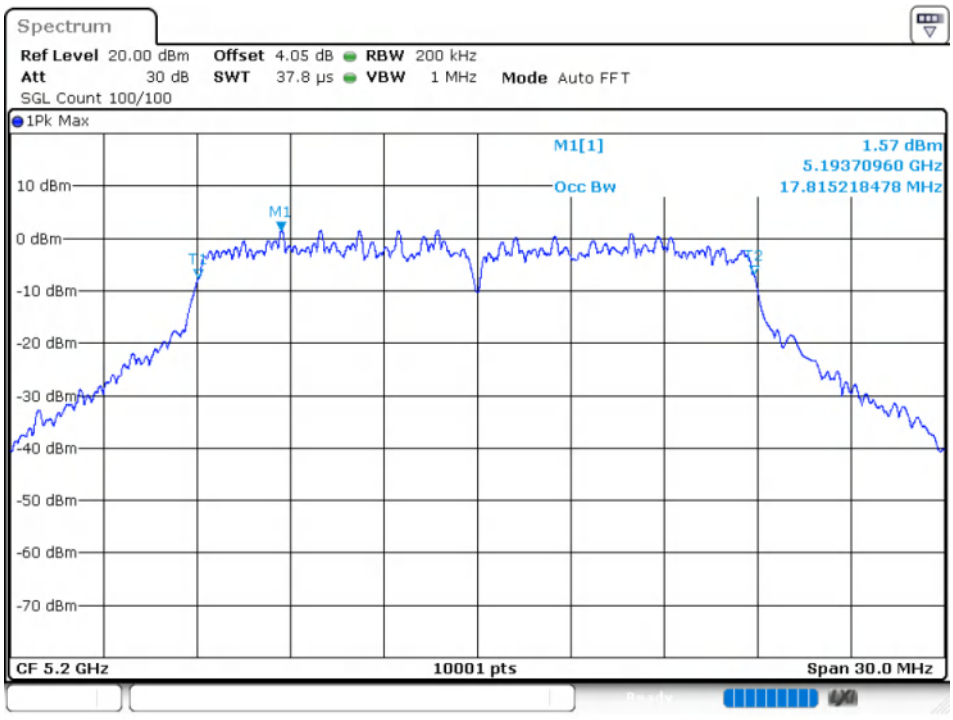
OBW NVNT n20 5180MHz Ant2



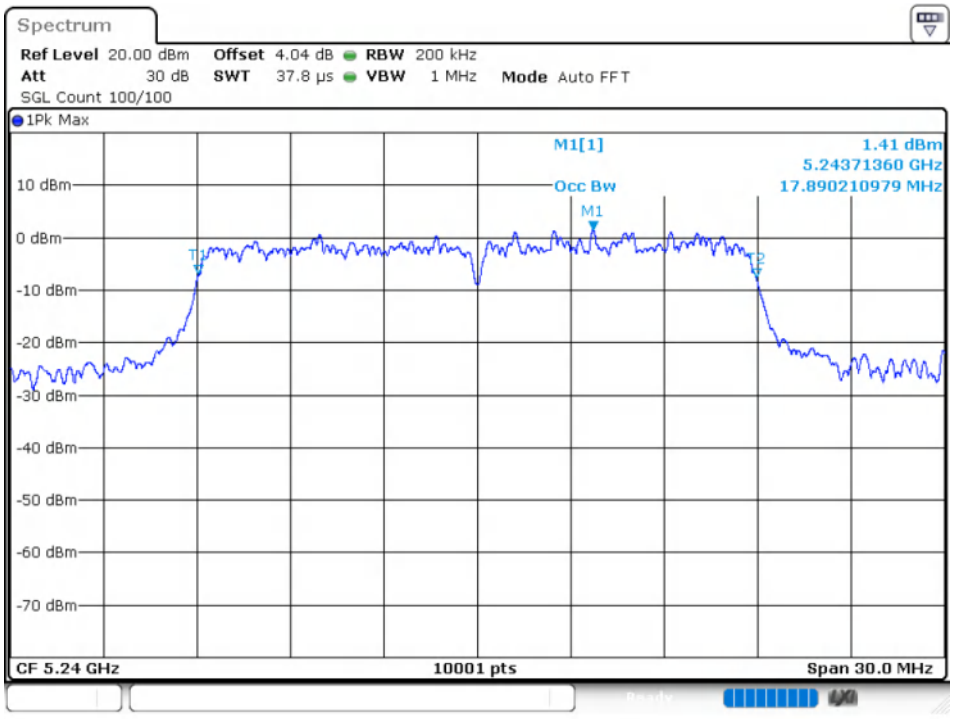
OBW NVNT n20 5200MHz Ant1



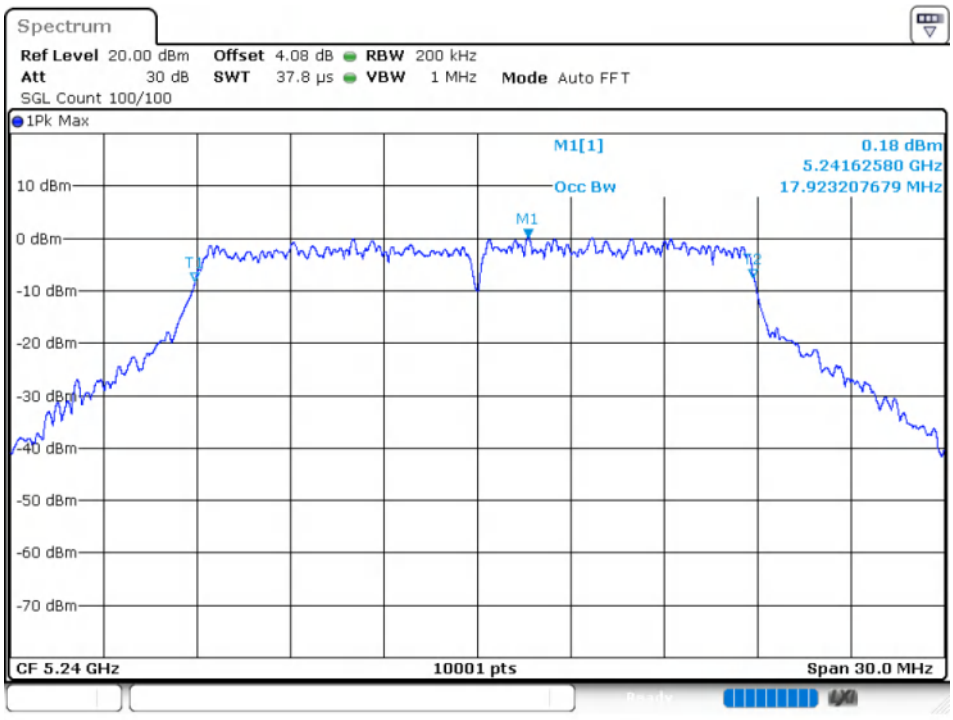
OBW NVNT n20 5200MHz Ant2



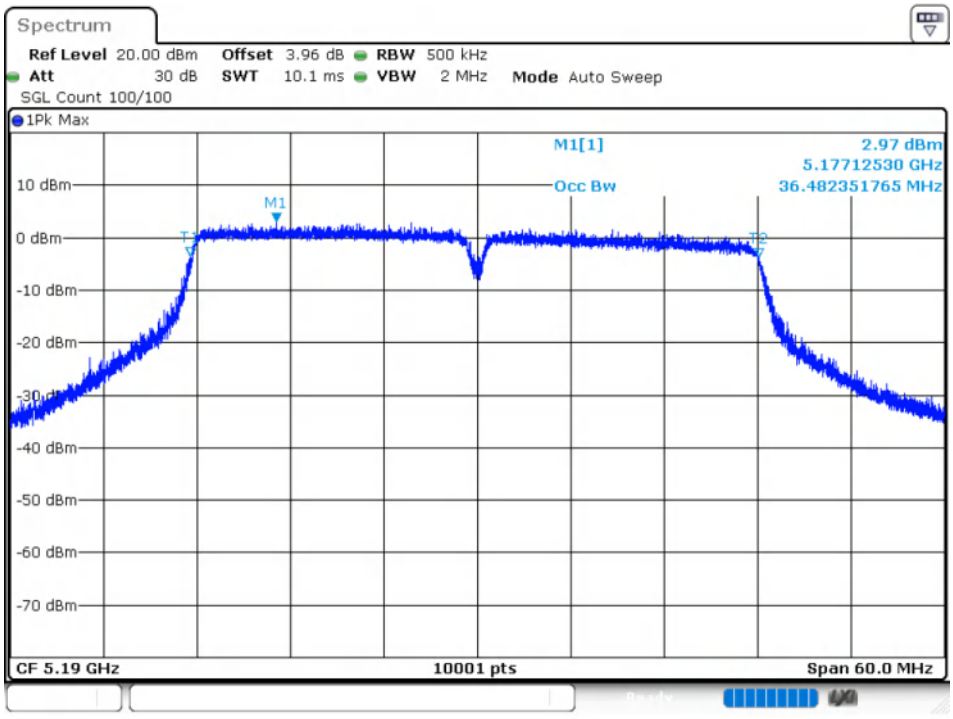
OBW NVNT n20 5240MHz Ant1



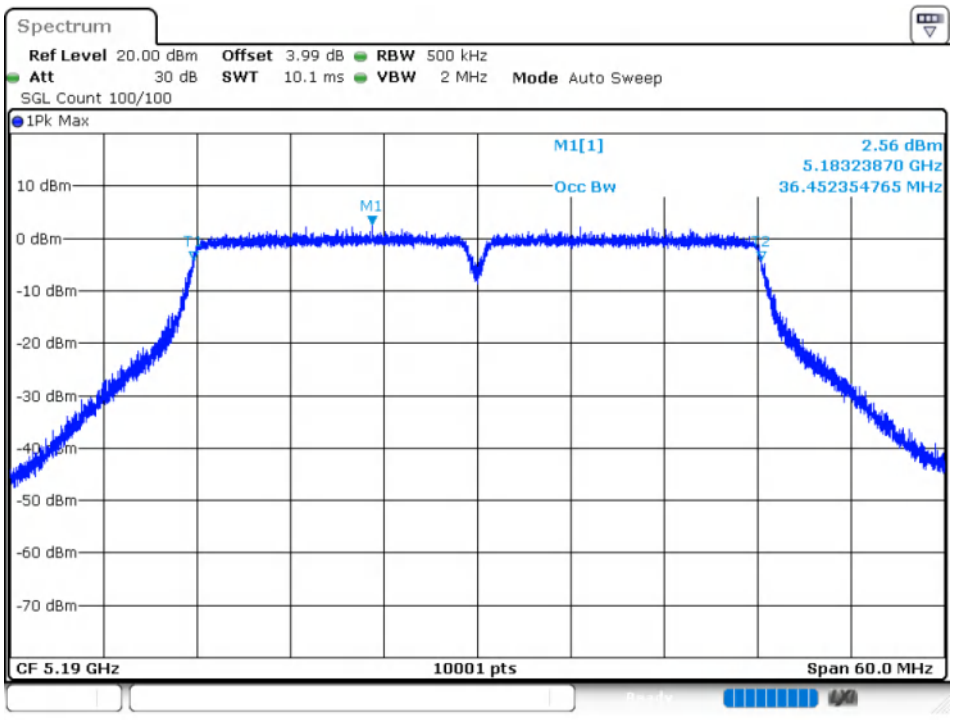
OBW NVNT n20 5240MHz Ant2



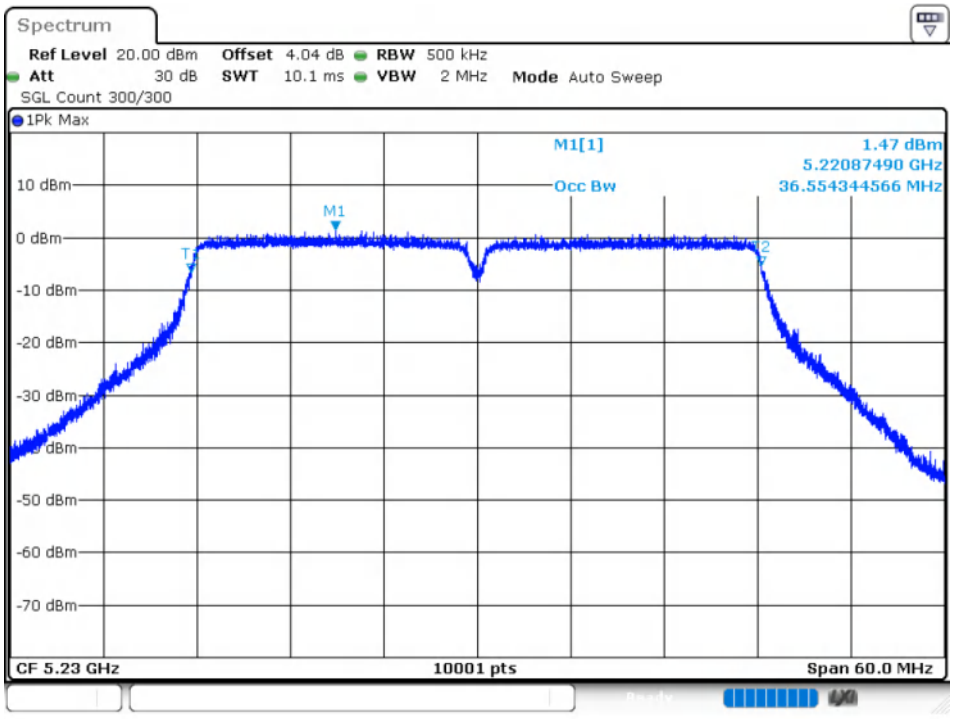
OBW NVNT n40 5190MHz Ant1



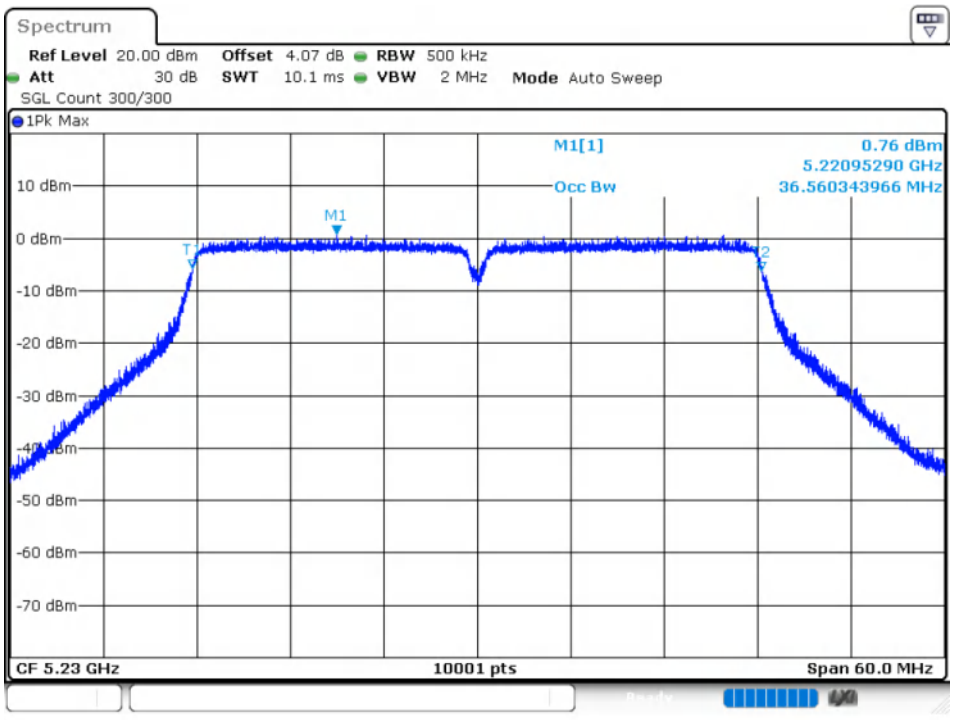
OBW NVNT n40 5190MHz Ant2



OBW NVNT n40 5230MHz Ant1

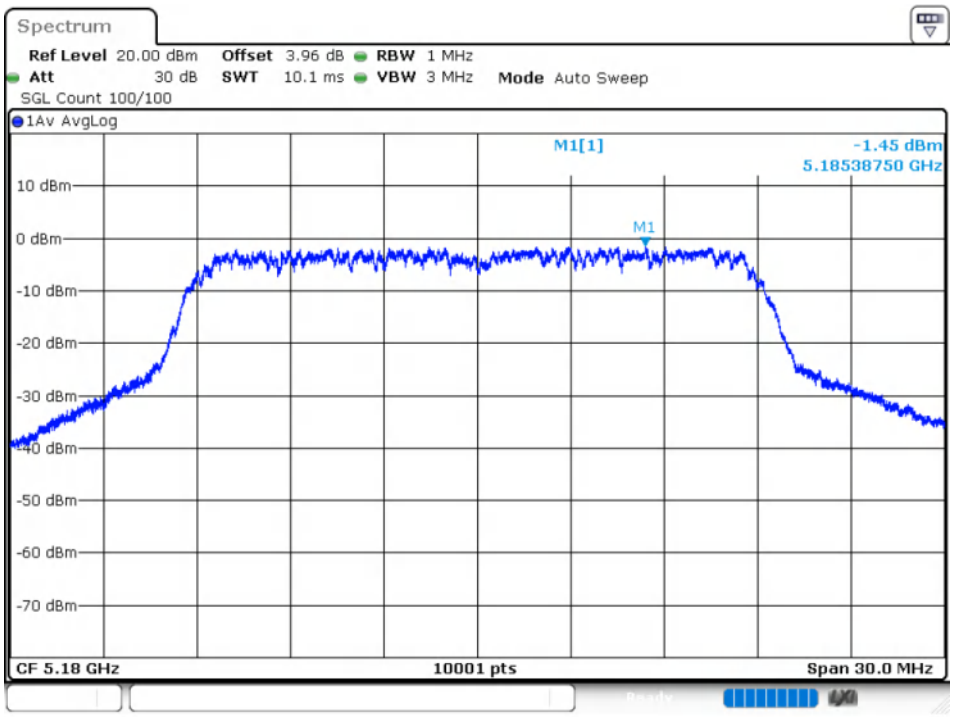
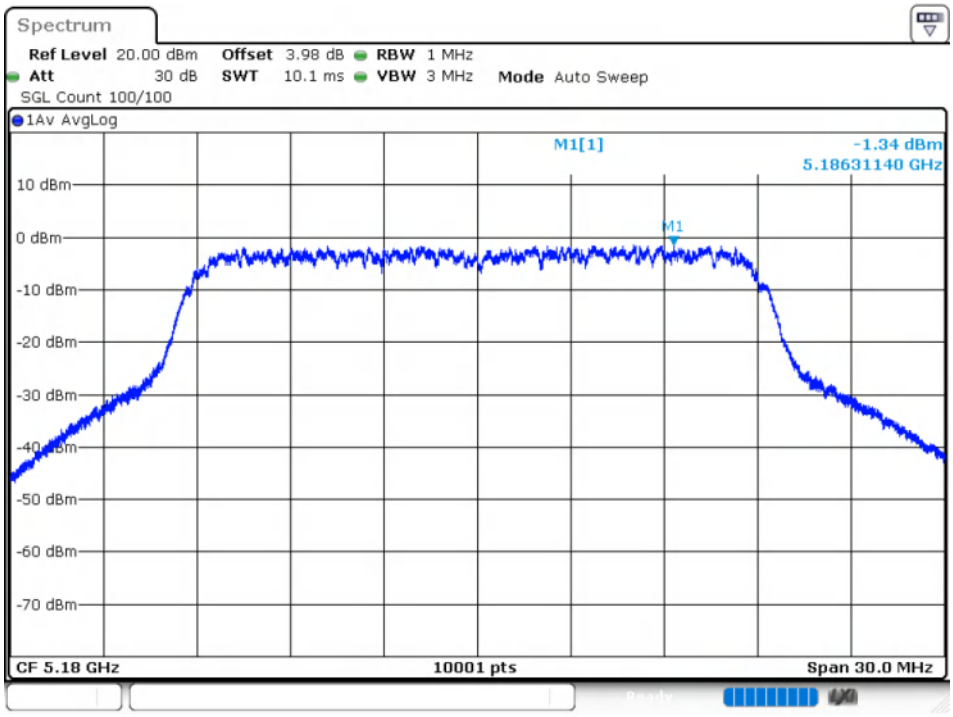


OBW NVNT n40 5230MHz Ant2

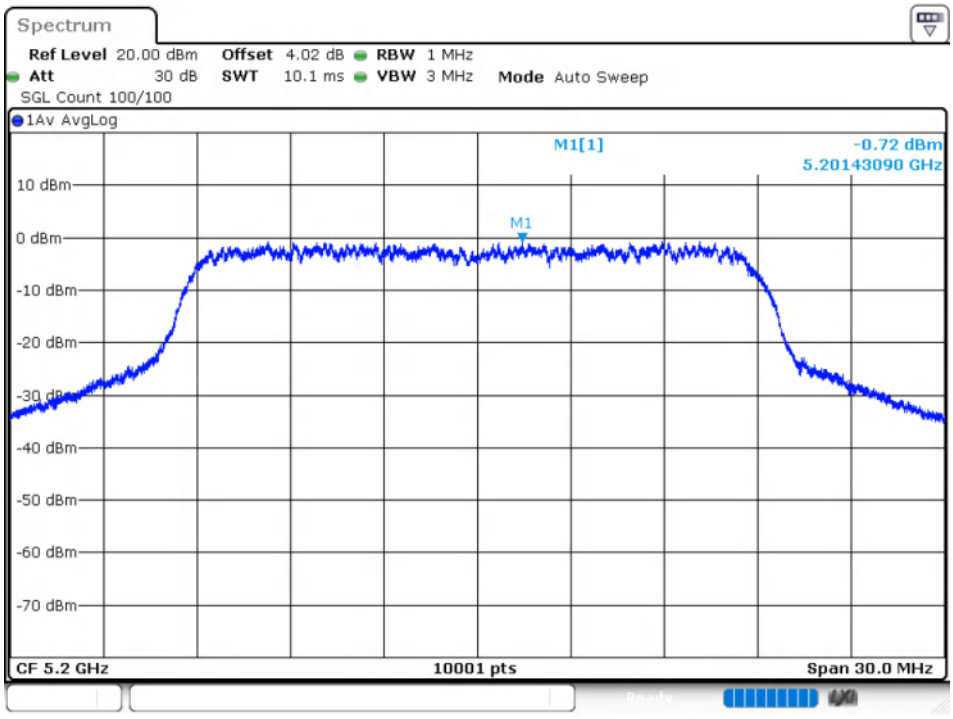


Maximum Power Spectral Density Level

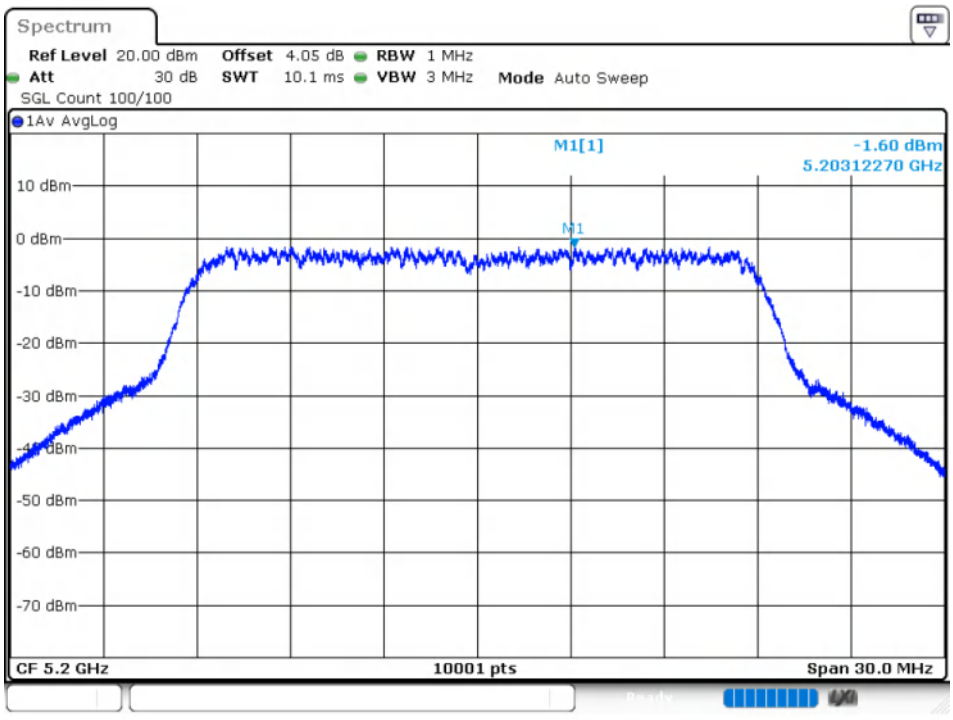
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5180	Ant1	-1.45	0.07	-1.38	10.44	Pass
NVNT	ac20	5180	Ant2	-1.34	0.07	-1.27	10.44	Pass
NVNT	ac20	5180	Sum	1.62	0.07	1.69	10.44	Pass
NVNT	ac20	5200	Ant1	-0.72	0.07	-0.65	10.44	Pass
NVNT	ac20	5200	Ant2	-1.6	0.07	-1.53	10.44	Pass
NVNT	ac20	5200	Sum	1.87	0.07	1.94	10.44	Pass
NVNT	ac20	5240	Ant1	-0.74	0.07	-0.67	10.44	Pass
NVNT	ac20	5240	Ant2	-1.26	0.07	-1.19	10.44	Pass
NVNT	ac20	5240	Sum	2.02	0.07	2.09	10.44	Pass
NVNT	ac40	5190	Ant1	-3.43	0.14	-3.29	10.44	Pass
NVNT	ac40	5190	Ant2	-4.27	0.14	-4.13	10.44	Pass
NVNT	ac40	5190	Sum	-0.82	0.14	-0.68	10.44	Pass
NVNT	ac40	5230	Ant1	-5.67	0.14	-5.53	10.44	Pass
NVNT	ac40	5230	Ant2	-6.32	0.14	-6.18	10.44	Pass
NVNT	ac40	5230	Sum	-2.97	0.14	-2.83	10.44	Pass
NVNT	ac80	5210	Ant1	-7.97	0.28	-7.69	10.44	Pass
NVNT	ac80	5210	Ant2	-6.77	0.28	-6.49	10.44	Pass
NVNT	ac80	5210	Sum	-4.32	0.28	-4.04	10.44	Pass
NVNT	n20	5180	Ant1	-1.67	0.13	-1.54	10.44	Pass
NVNT	n20	5180	Ant2	-1.3	0.13	-1.17	10.44	Pass
NVNT	n20	5180	Sum	1.53	0.13	1.66	10.44	Pass
NVNT	n20	5200	Ant1	-0.84	0.13	-0.71	10.44	Pass
NVNT	n20	5200	Ant2	-1.84	0.13	-1.71	10.44	Pass
NVNT	n20	5200	Sum	1.7	0.13	1.83	10.44	Pass
NVNT	n20	5240	Ant1	-0.93	0.13	-0.8	10.44	Pass
NVNT	n20	5240	Ant2	-1.1	0.13	-0.97	10.44	Pass
NVNT	n20	5240	Sum	2	0.13	2.13	10.44	Pass
NVNT	n40	5190	Ant1	-3.94	0.14	-3.8	10.44	Pass
NVNT	n40	5190	Ant2	-4.48	0.14	-4.34	10.44	Pass
NVNT	n40	5190	Sum	-1.19	0.14	-1.05	10.44	Pass
NVNT	n40	5230	Ant1	-6.78	0.14	-6.64	10.44	Pass
NVNT	n40	5230	Ant2	-7.21	0.14	-7.07	10.44	Pass
NVNT	n40	5230	Sum	-3.98	0.14	-3.84	10.44	Pass

Test Graphs
PSD NVNT ac20 5180MHz Ant1

PSD NVNT ac20 5180MHz Ant2


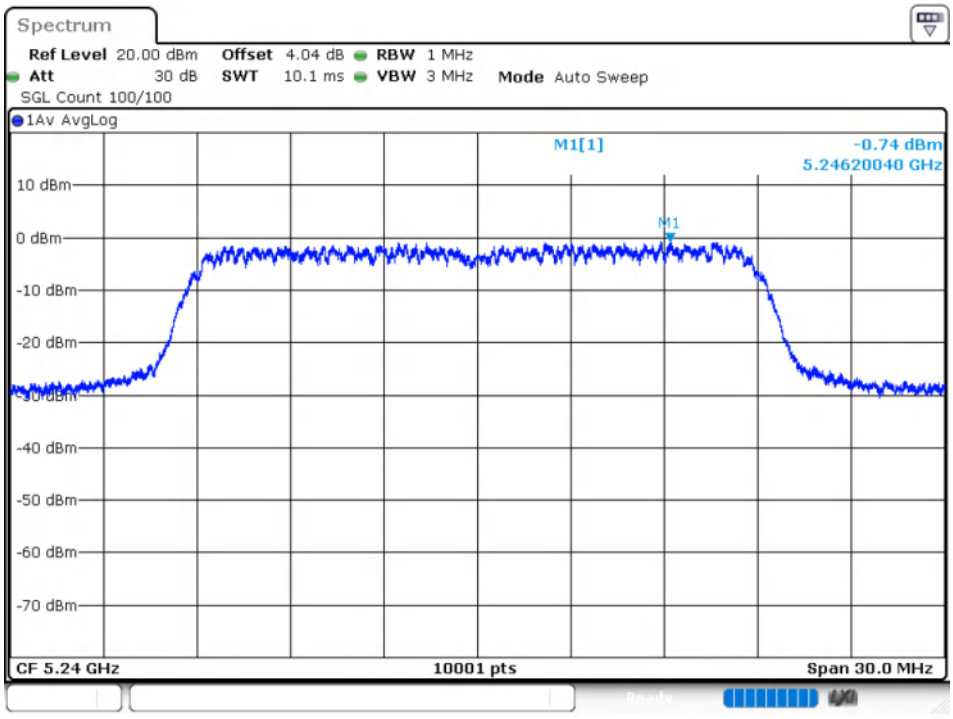
PSD NVNT ac20 5200MHz Ant1



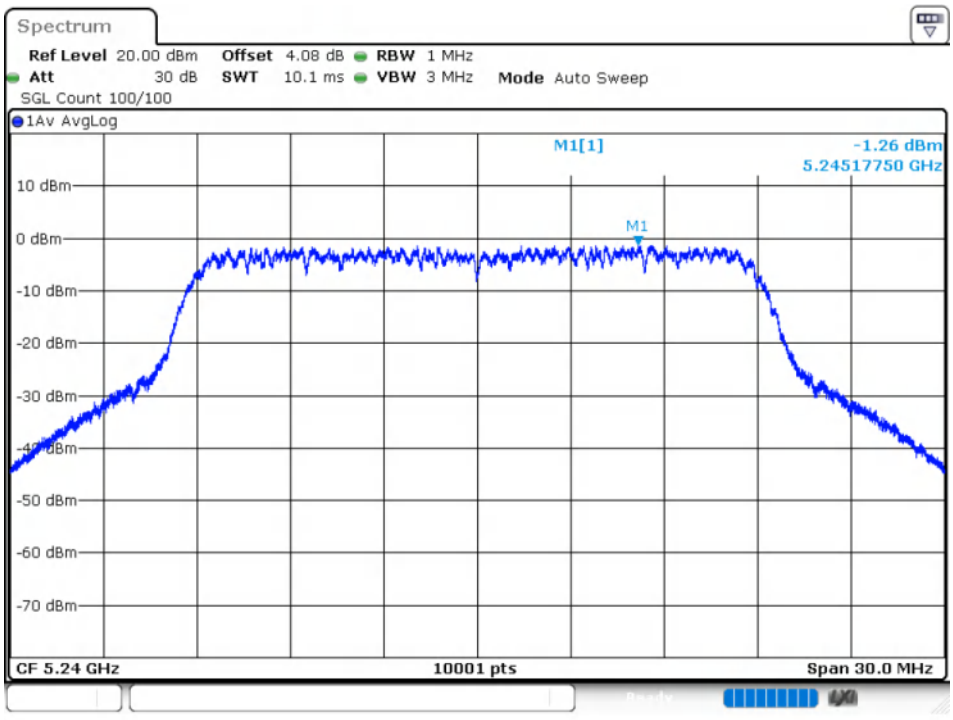
PSD NVNT ac20 5200MHz Ant2



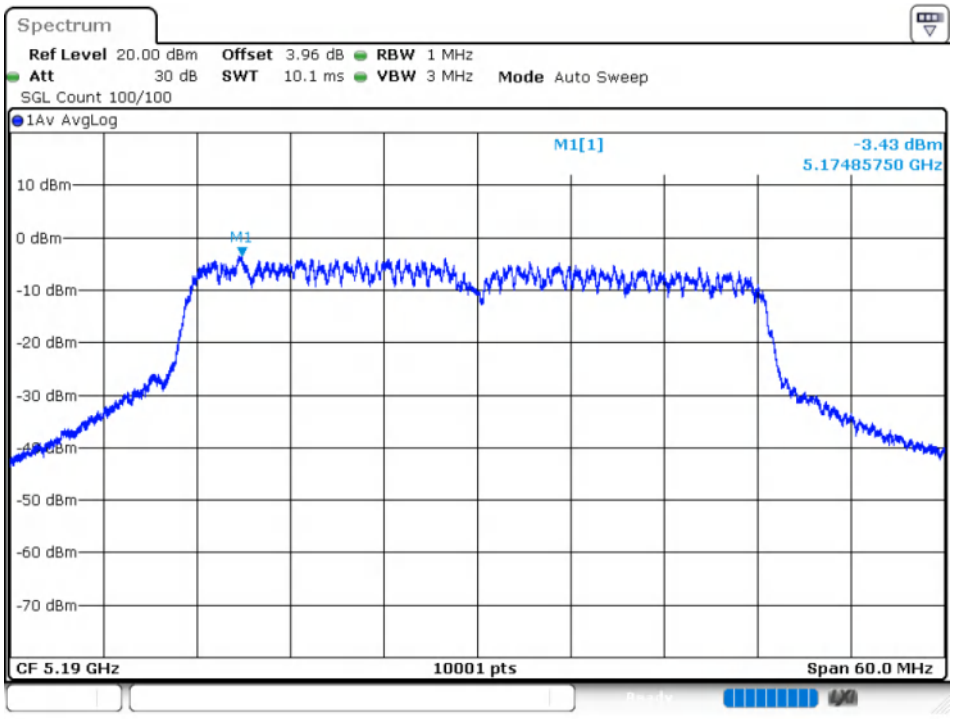
PSD NVNT ac20 5240MHz Ant1



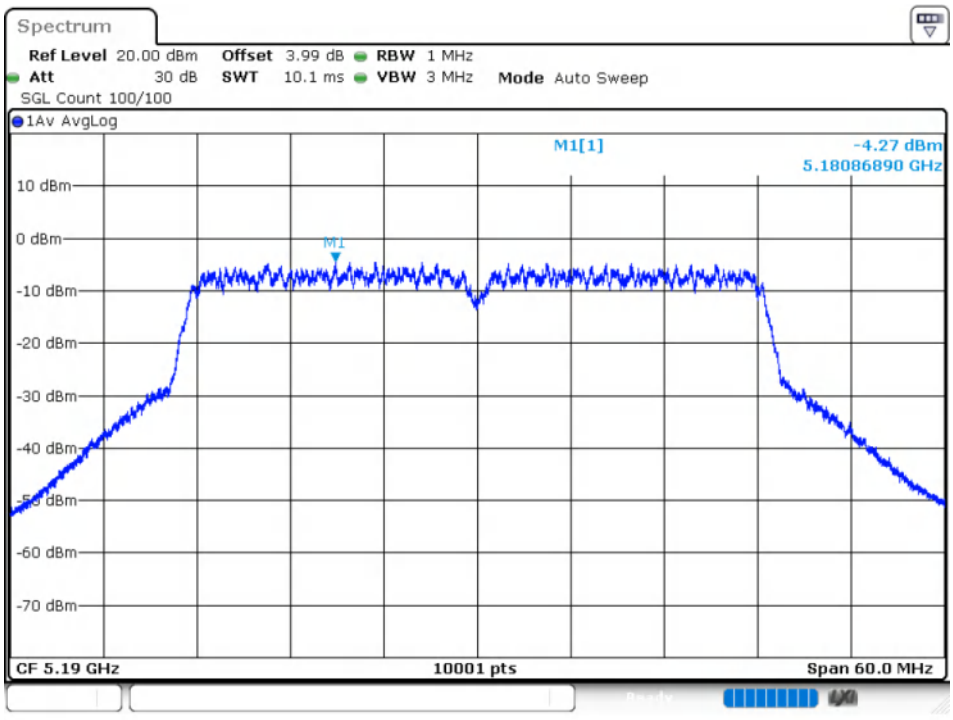
PSD NVNT ac20 5240MHz Ant2



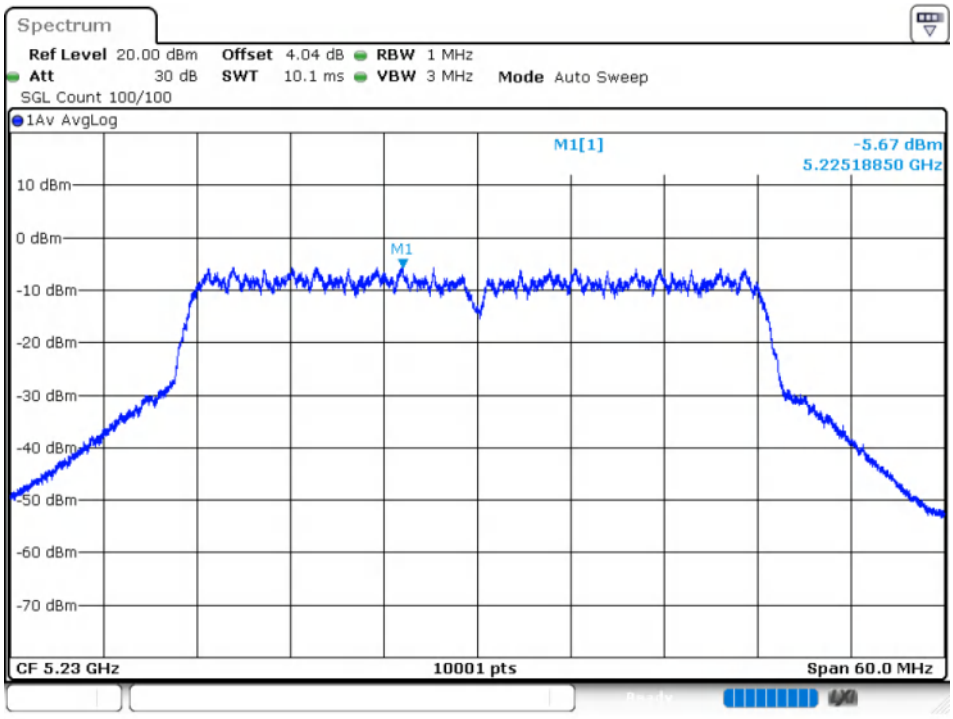
PSD NVNT ac40 5190MHz Ant1



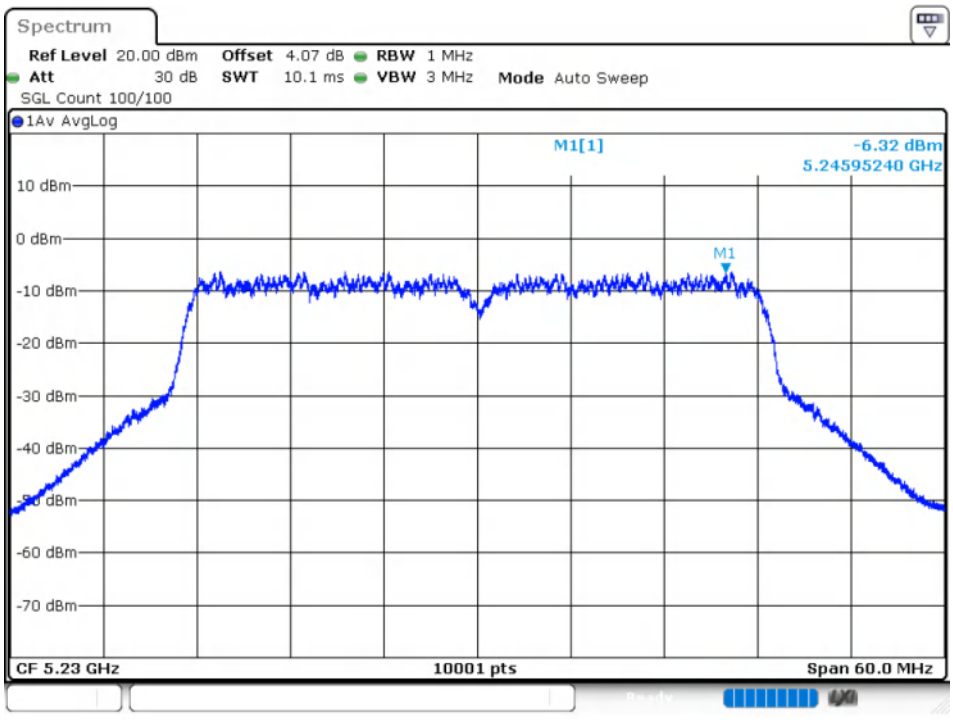
PSD NVNT ac40 5190MHz Ant2



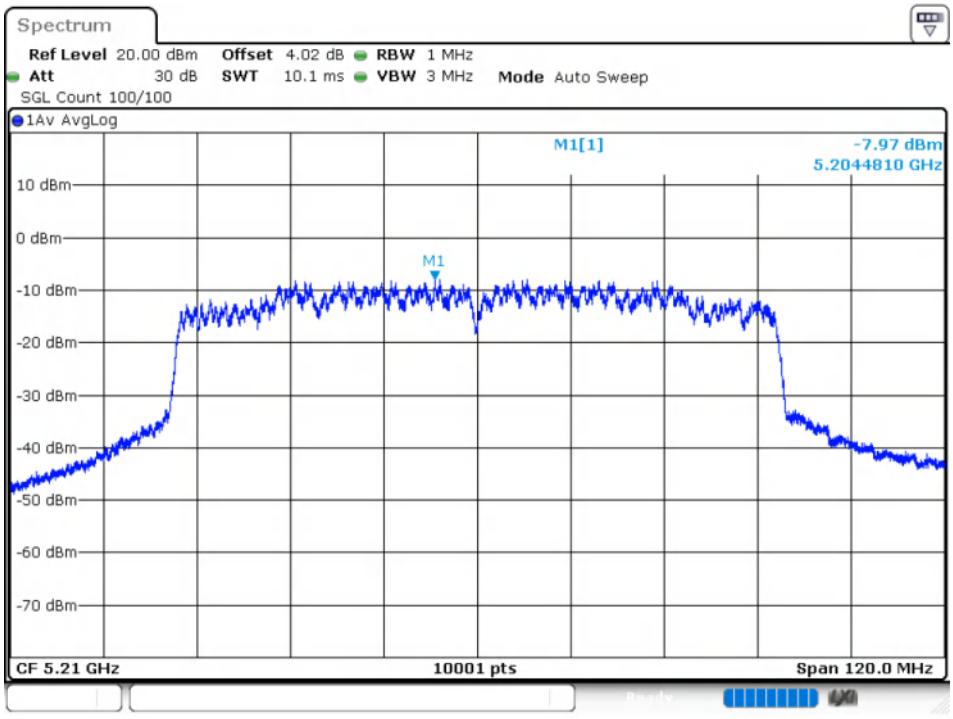
PSD NVNT ac40 5230MHz Ant1



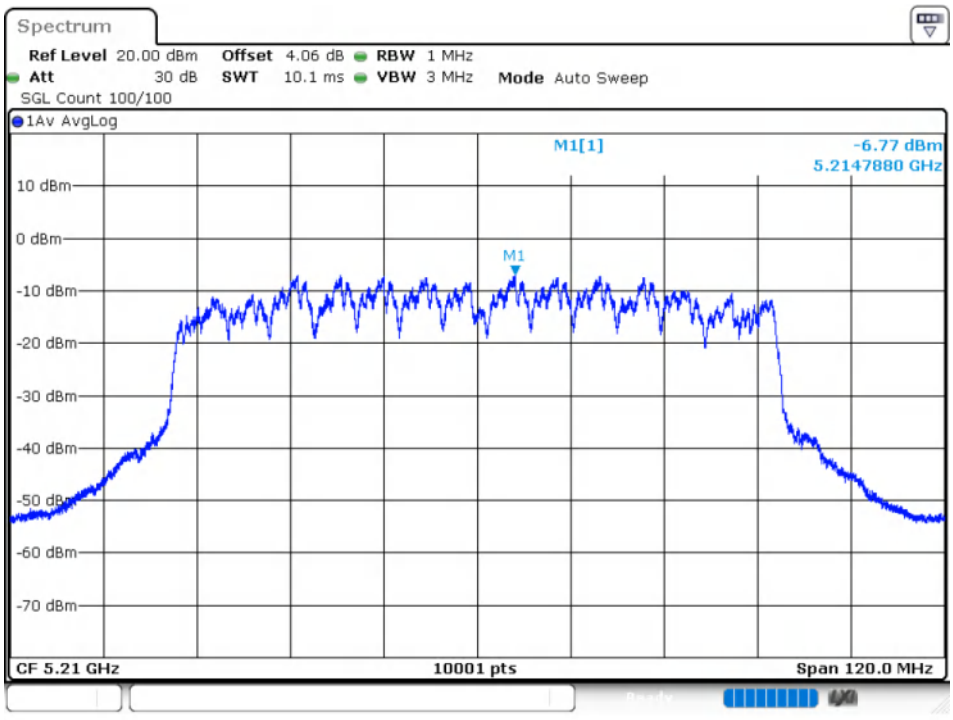
PSD NVNT ac40 5230MHz Ant2



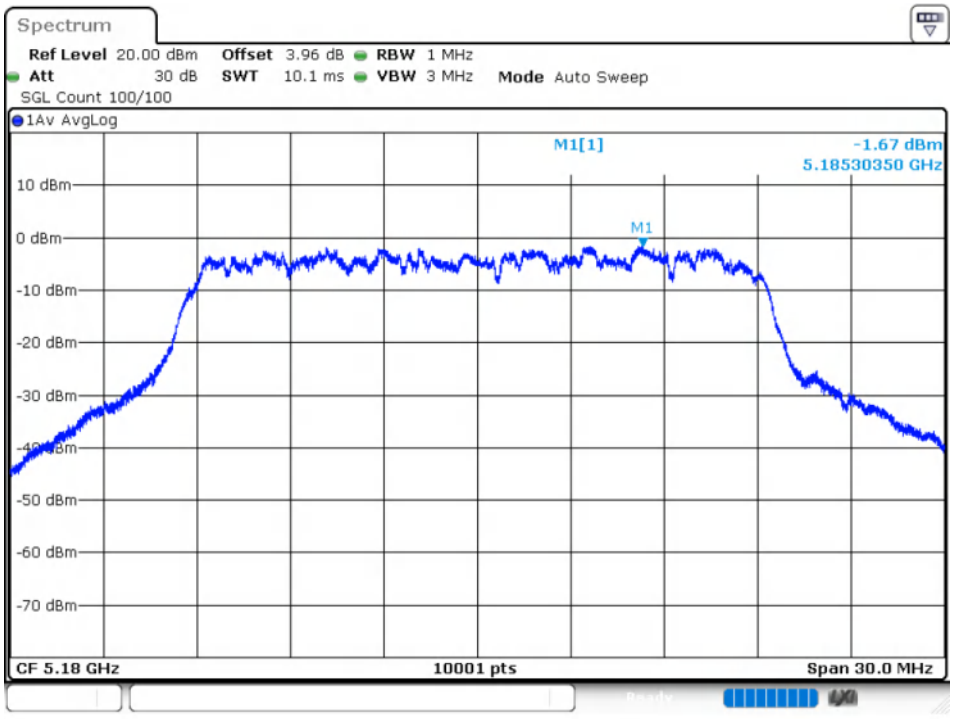
PSD NVNT ac80 5210MHz Ant1



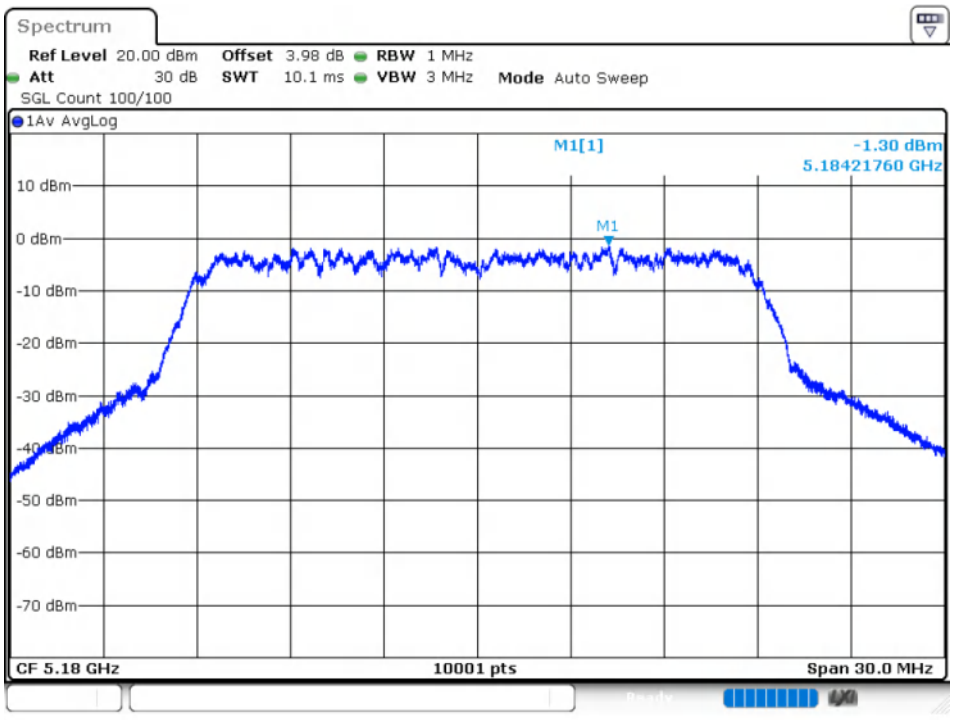
PSD NVNT ac80 5210MHz Ant2



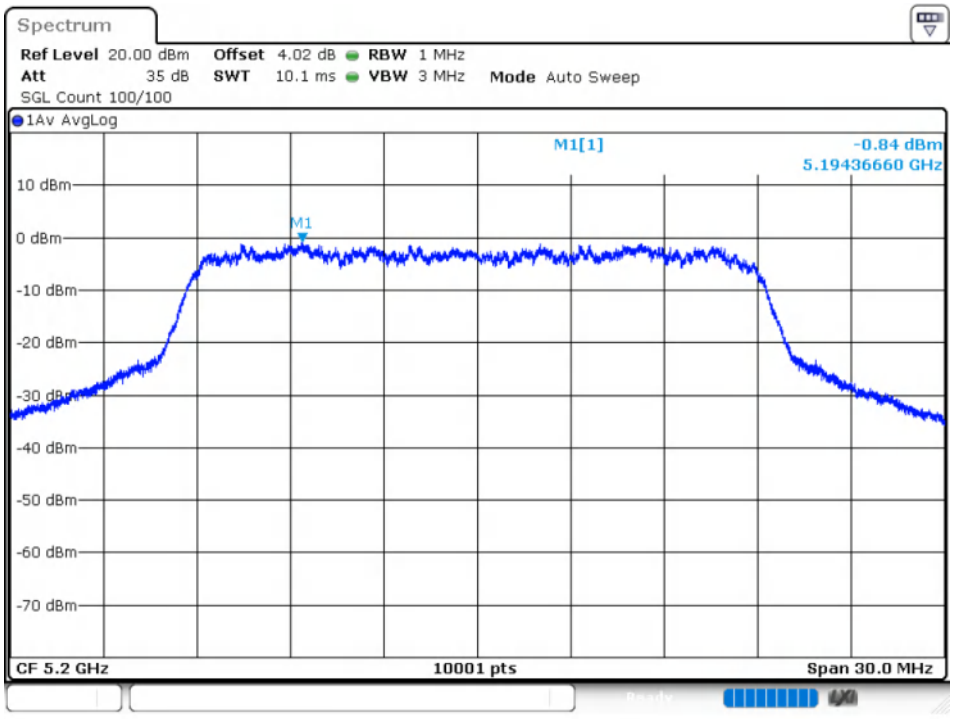
PSD NVNT n20 5180MHz Ant1



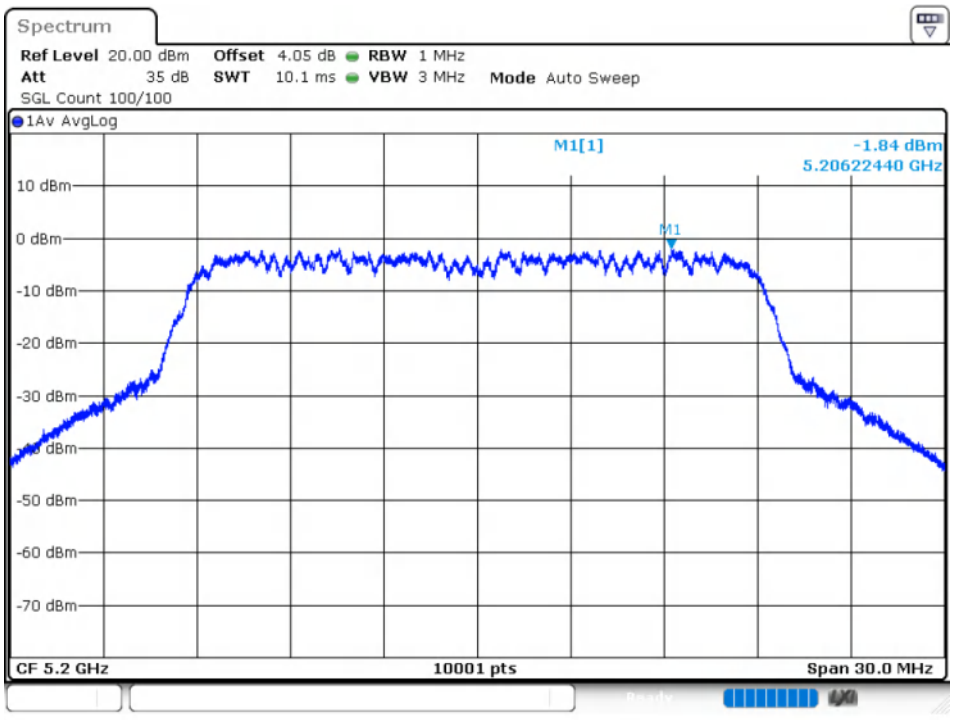
PSD NVNT n20 5180MHz Ant2



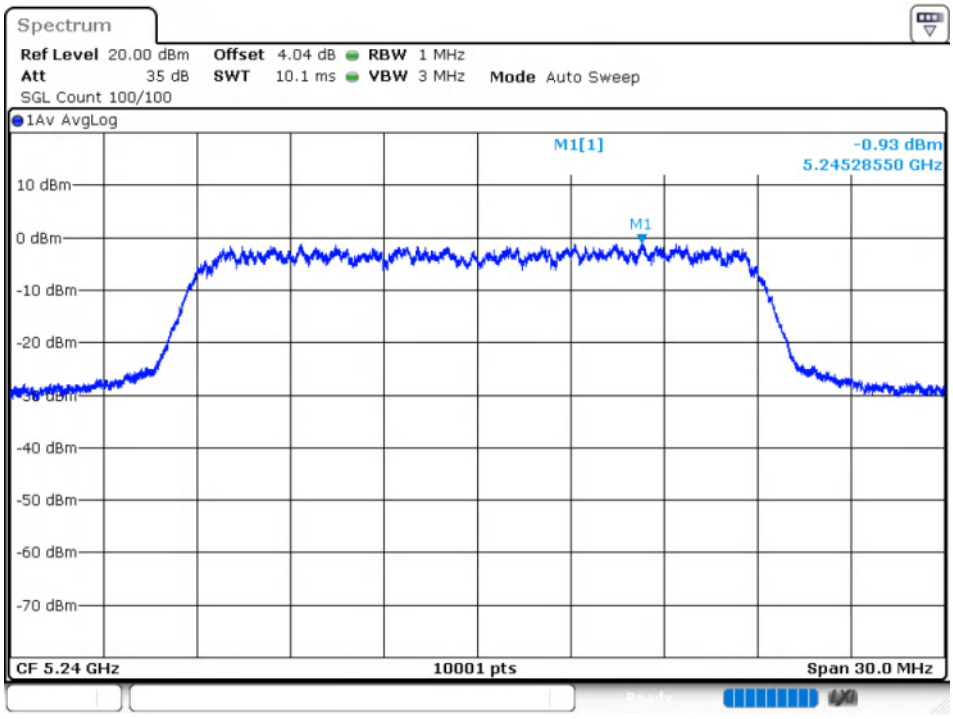
PSD NVNT n20 5200MHz Ant1



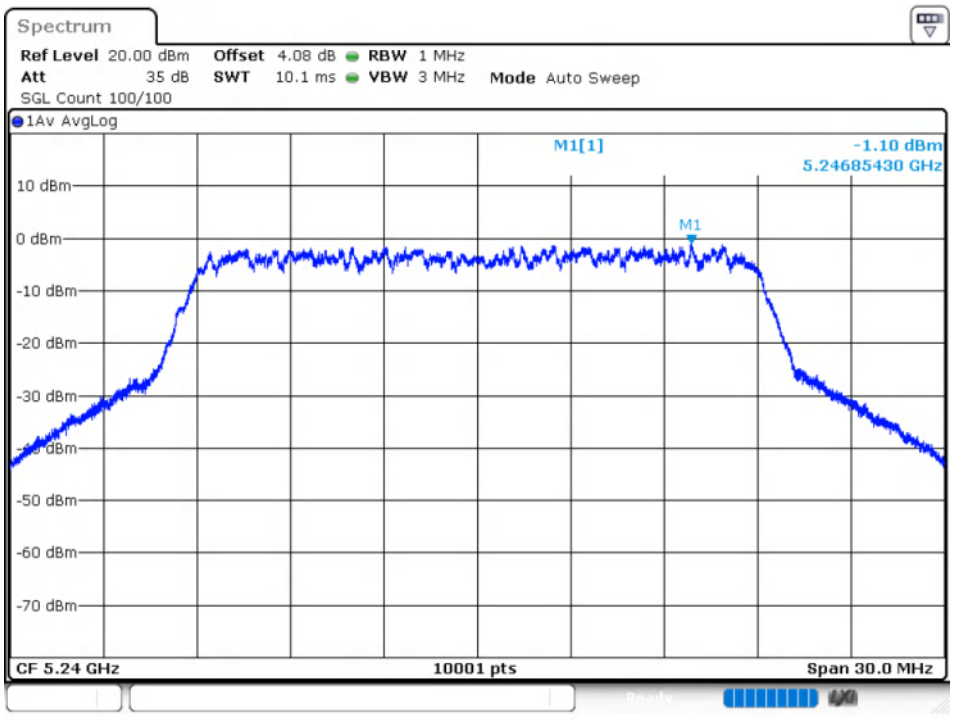
PSD NVNT n20 5200MHz Ant2



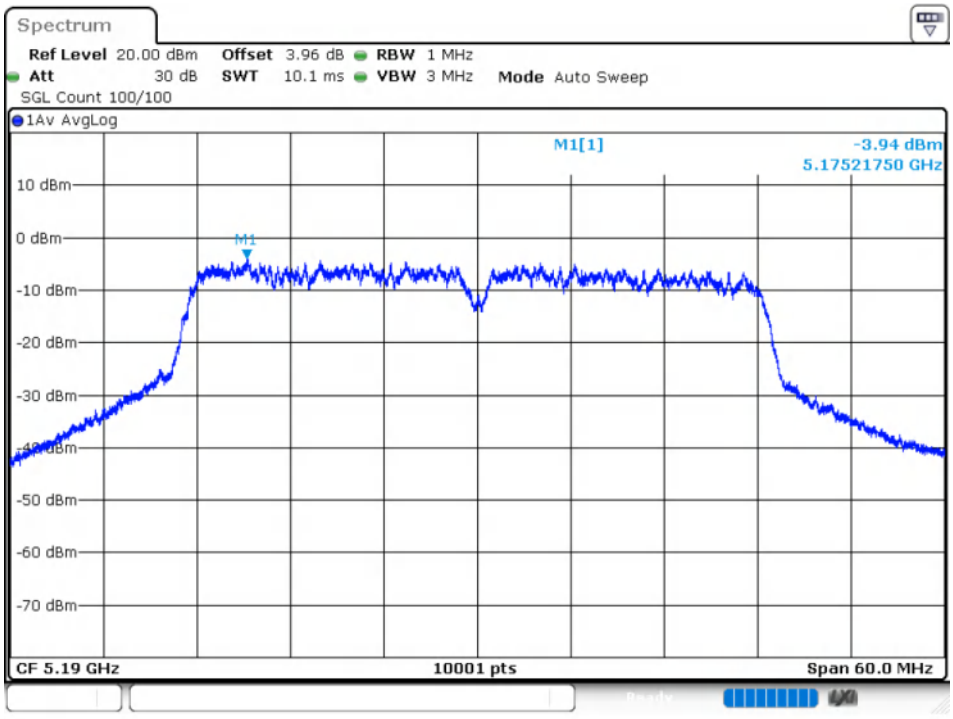
PSD NVNT n20 5240MHz Ant1



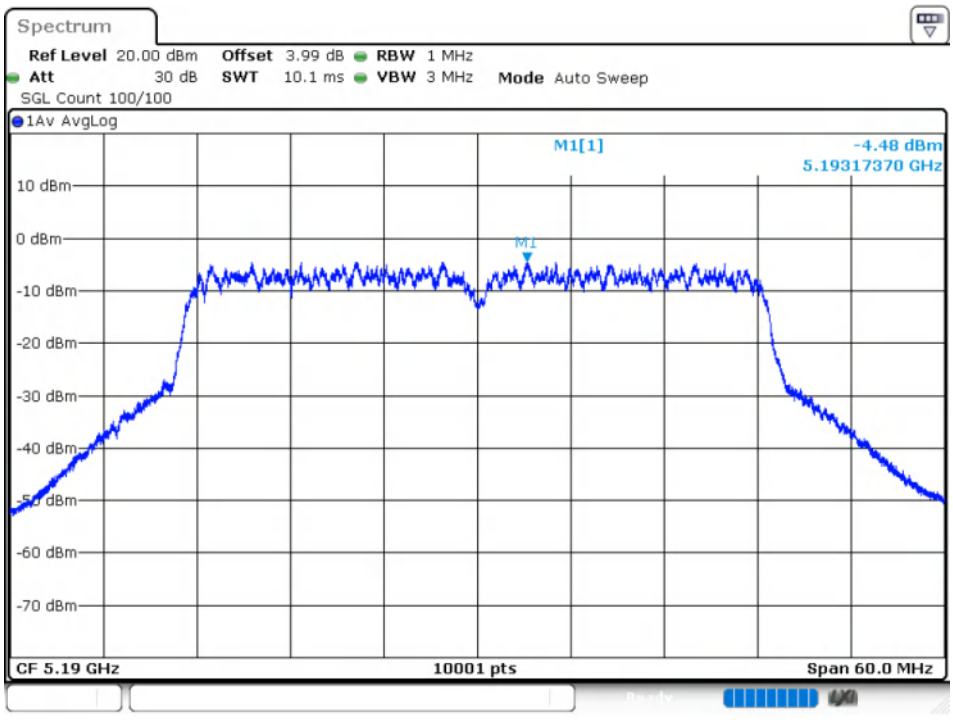
PSD NVNT n20 5240MHz Ant2



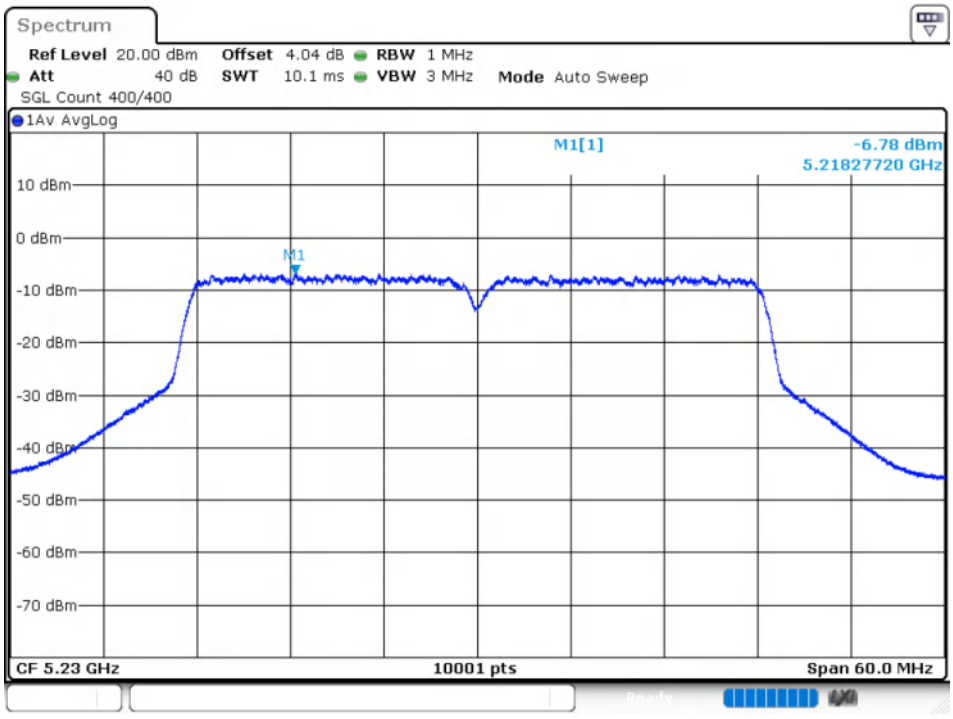
PSD NVNT n40 5190MHz Ant1



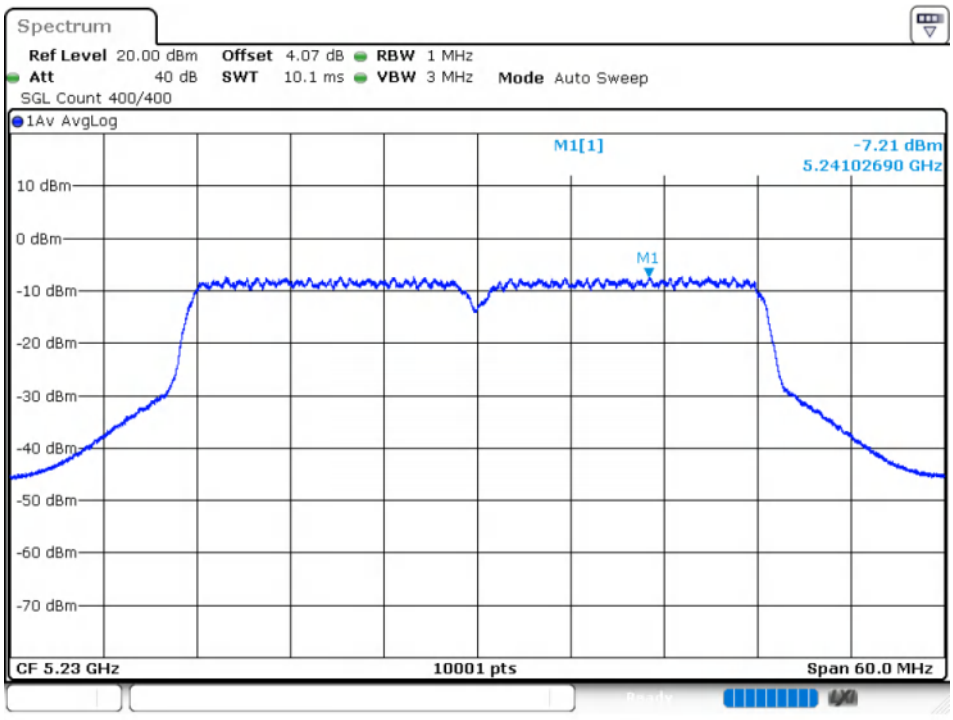
PSD NVNT n40 5190MHz Ant2



PSD NVNT n40 5230MHz Ant1



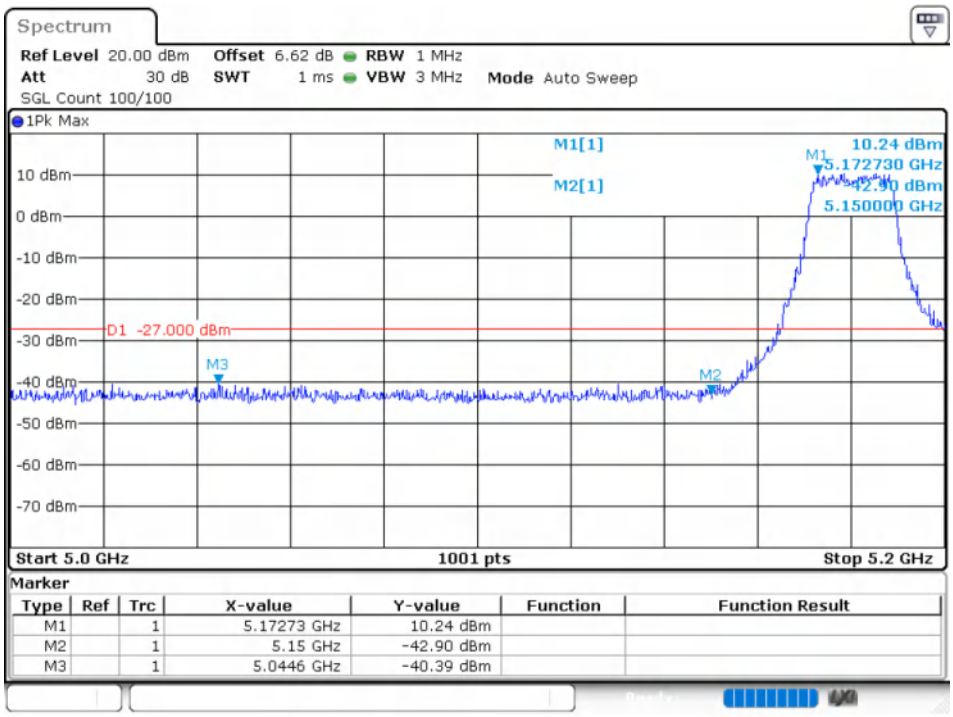
PSD NVNT n40 5230MHz Ant2



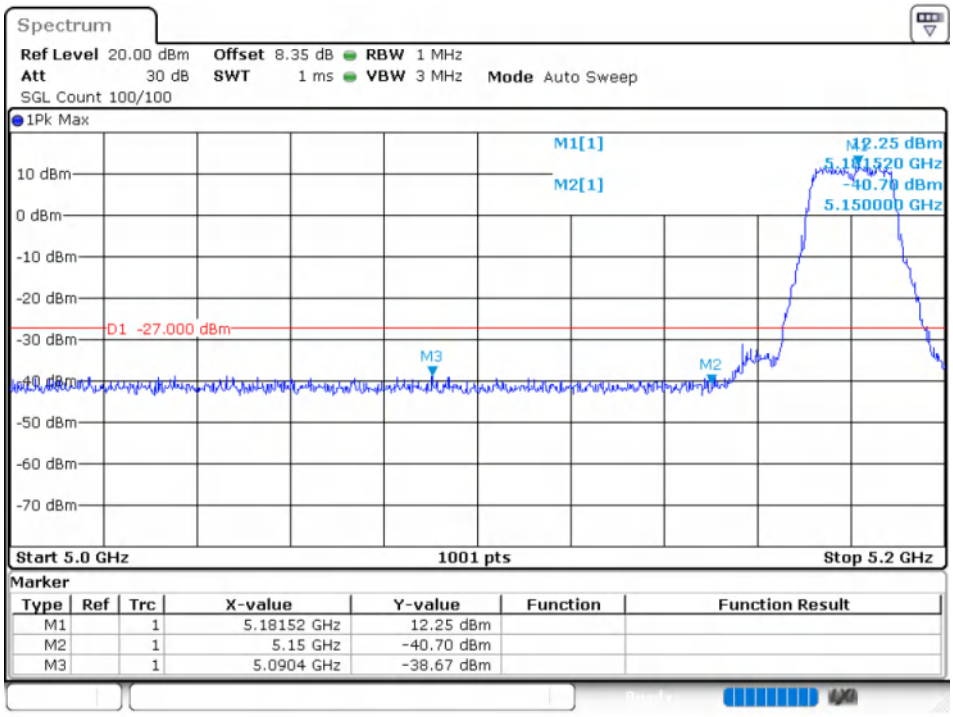
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ac20	5180	Ant1	-40.39	-27	Pass
NVNT	ac20	5180	Ant2	-38.66	-27	Pass
NVNT	ac20	5240	Ant1	-40.37	-27	Pass
NVNT	ac20	5240	Ant2	-38.95	-27	Pass
NVNT	ac40	5190	Ant1	-32.72	-27	Pass
NVNT	ac40	5190	Ant2	-38.03	-27	Pass
NVNT	ac40	5230	Ant1	-40.72	-27	Pass
NVNT	ac40	5230	Ant2	-38.72	-27	Pass
NVNT	ac80	5210	Ant1	-40.74	-27	Pass
NVNT	ac80	5210	Ant2	-39.03	-27	Pass
NVNT	n20	5180	Ant1	-39.17	-27	Pass
NVNT	n20	5180	Ant2	-39.08	-27	Pass
NVNT	n20	5240	Ant1	-40.21	-27	Pass
NVNT	n20	5240	Ant2	-38.05	-27	Pass
NVNT	n40	5190	Ant1	-30.66	-27	Pass
NVNT	n40	5190	Ant2	-37.54	-27	Pass
NVNT	n40	5230	Ant1	-43.51	-27	Pass
NVNT	n40	5230	Ant2	-42.5	-27	Pass

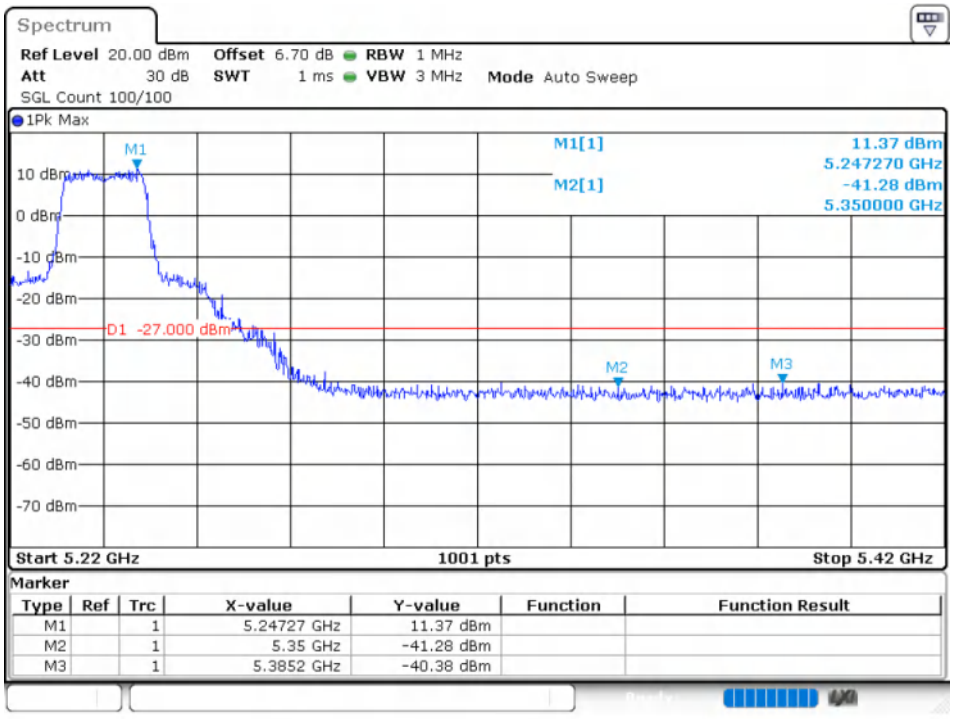
Test Graphs
Band Edge NVNT ac20 5180MHz Low Ant1



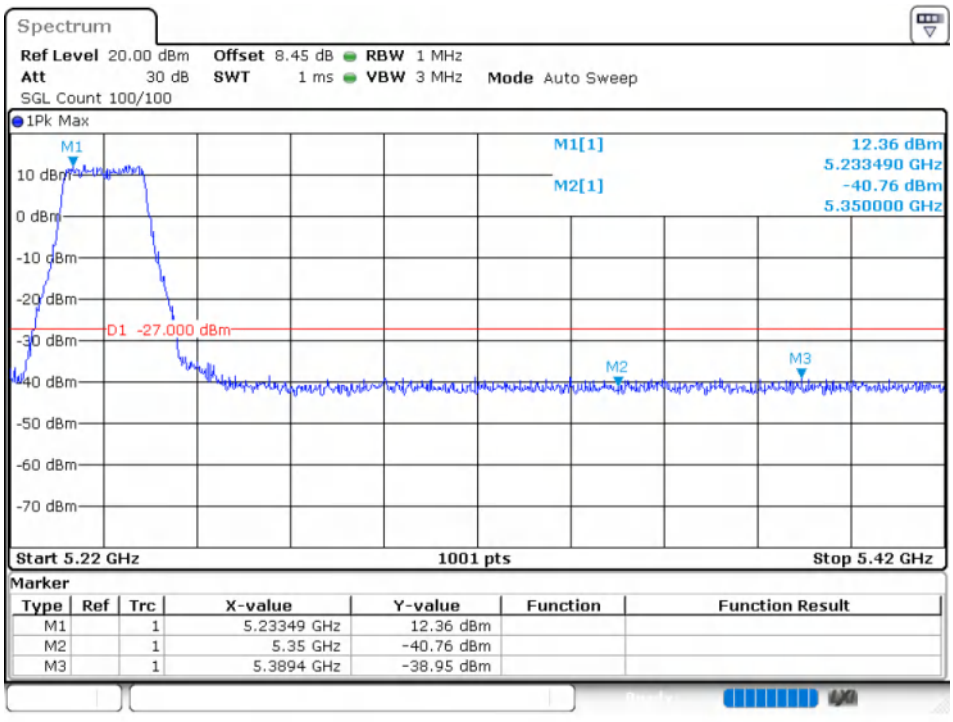
Band Edge NVNT ac20 5180MHz Low Ant2



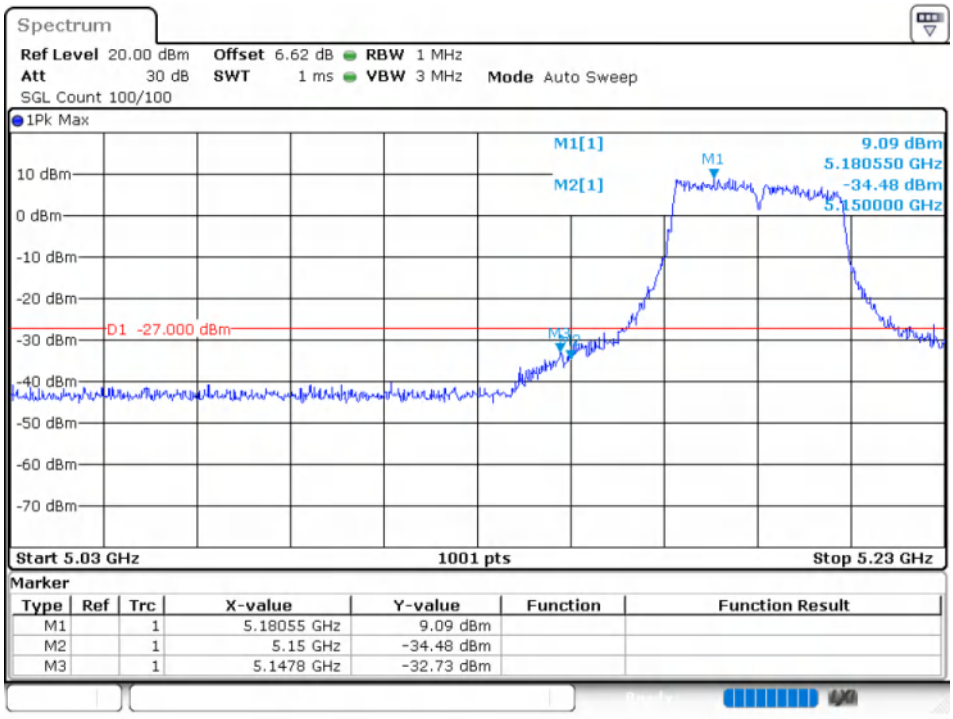
Band Edge NVNT ac20 5240MHz High Ant1



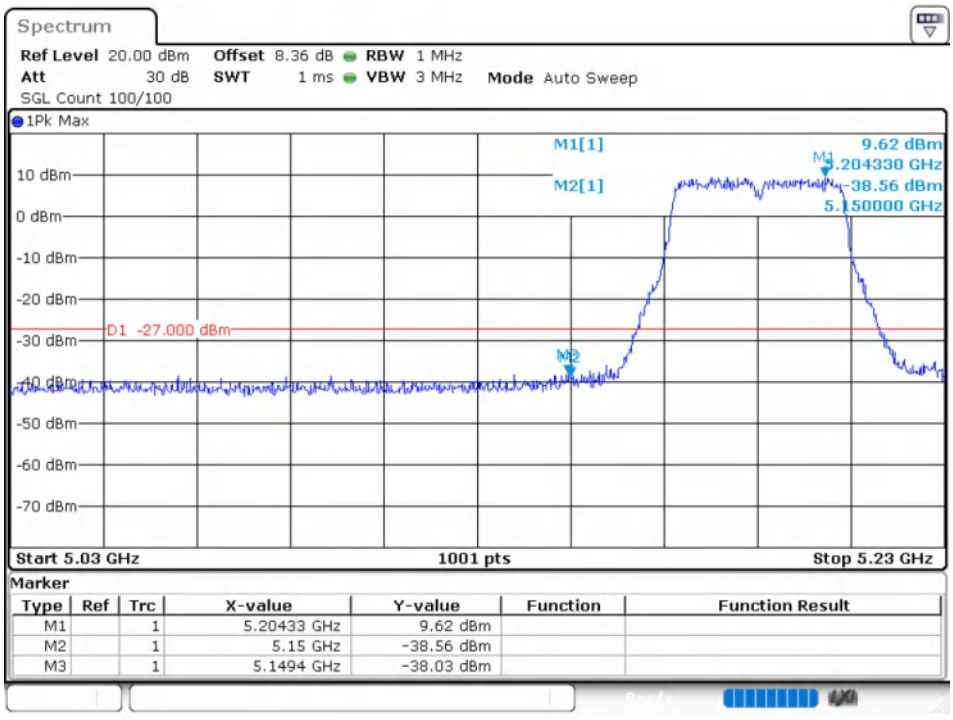
Band Edge NVNT ac20 5240MHz High Ant2



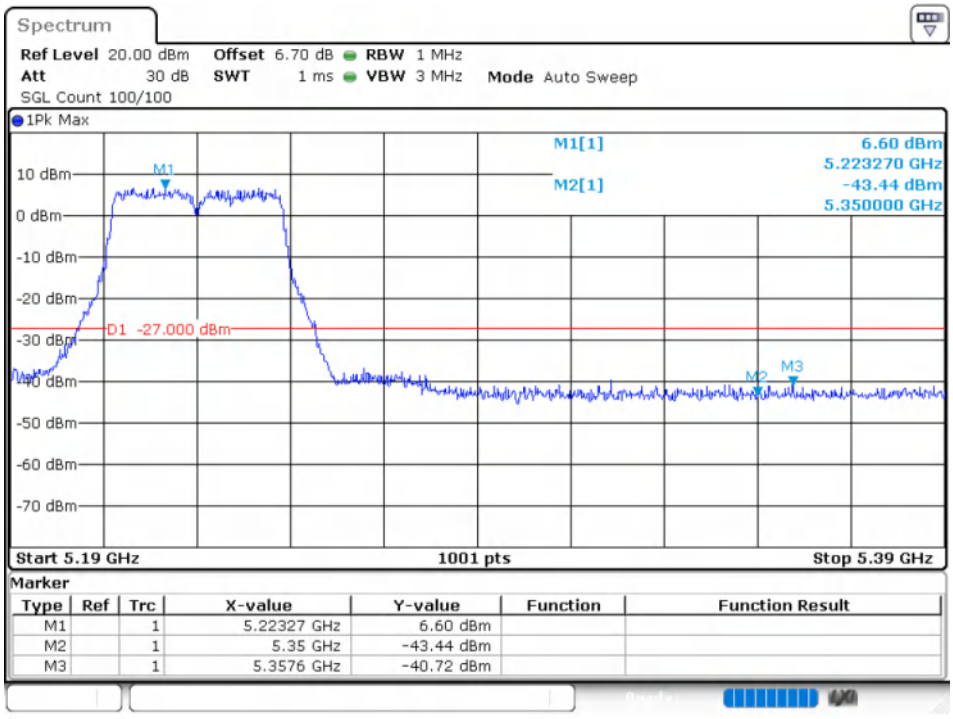
Band Edge NVNT ac40 5190MHz Low Ant1



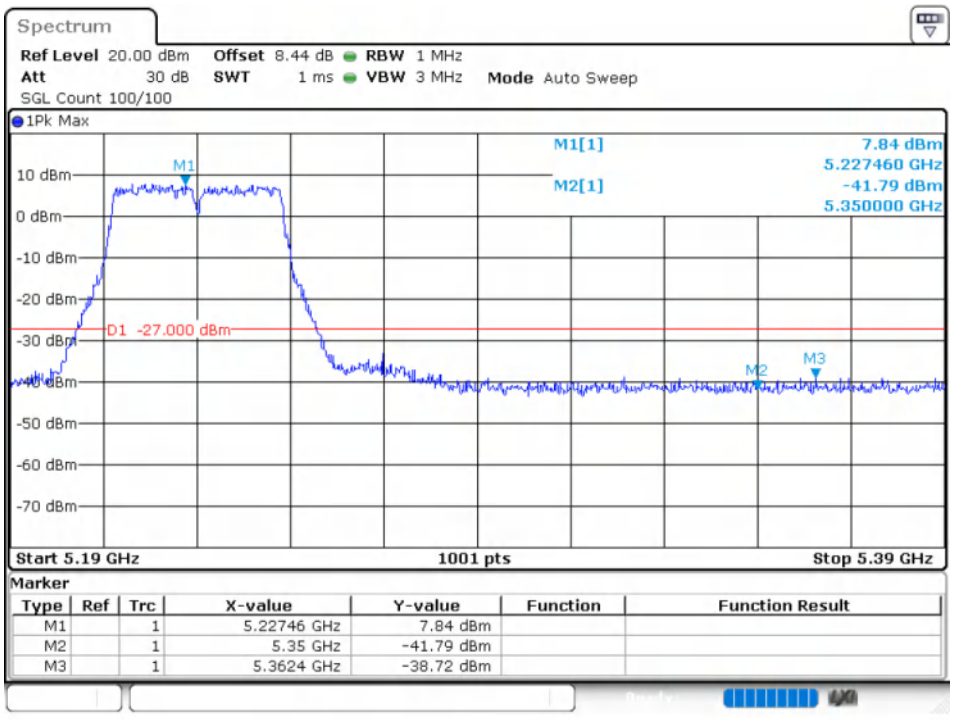
Band Edge NVNT ac40 5190MHz Low Ant2



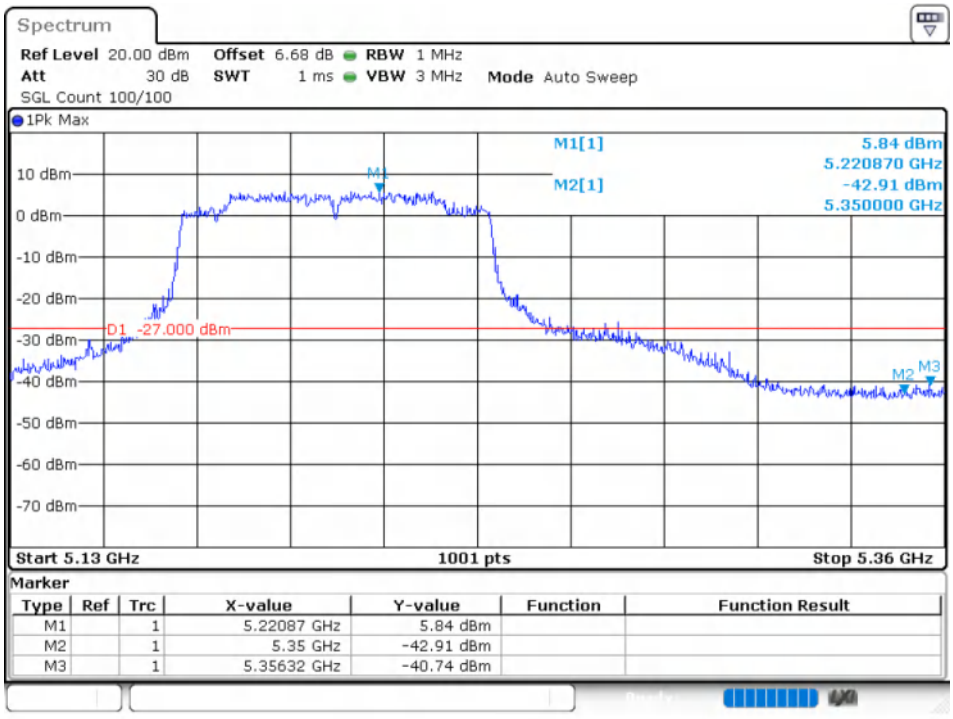
Band Edge NVNT ac40 5230MHz High Ant1



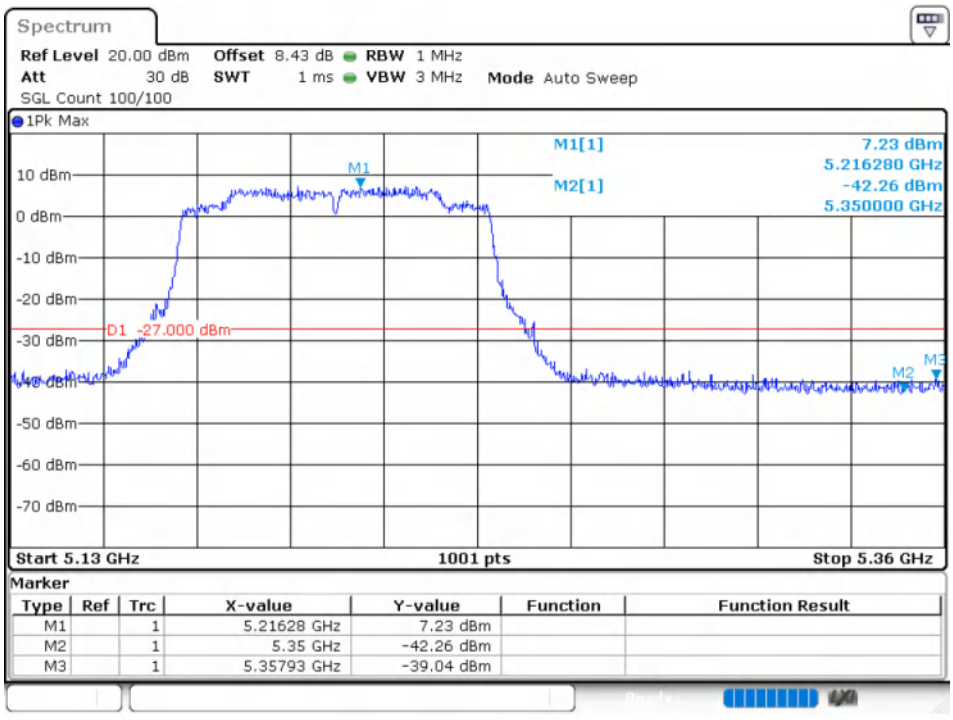
Band Edge NVNT ac40 5230MHz High Ant2



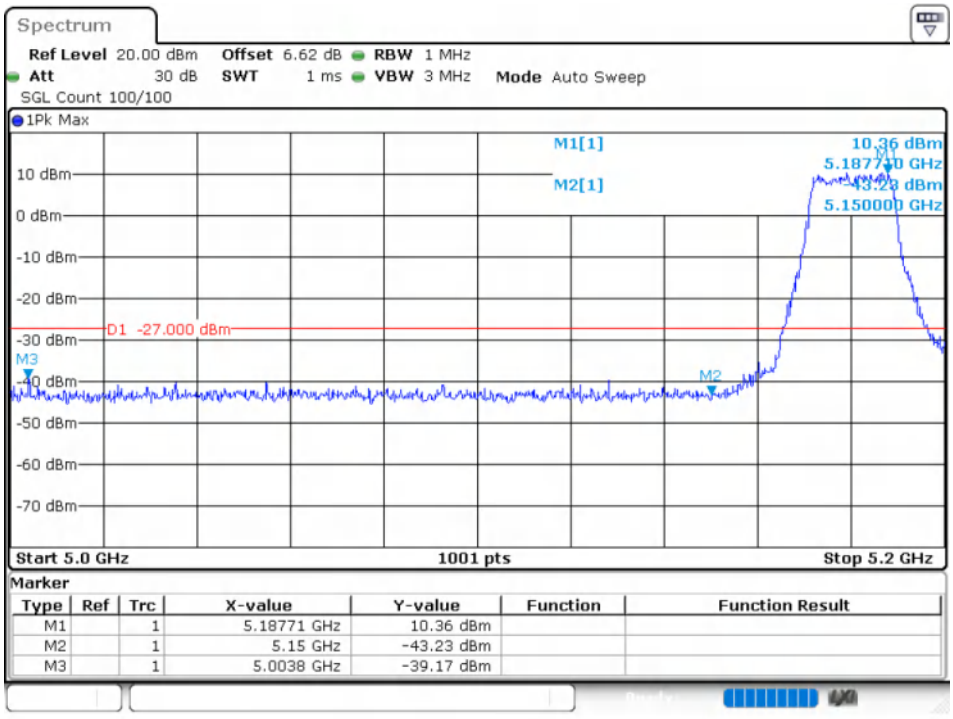
Band Edge NVNT ac80 5210MHz High Ant1



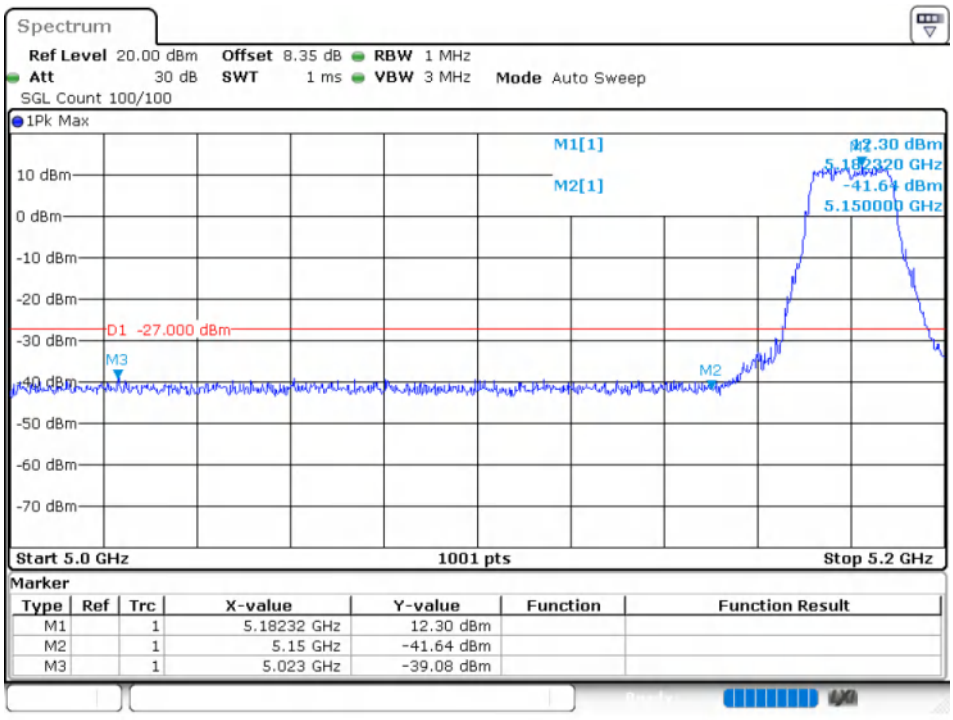
Band Edge NVNT ac80 5210MHz High Ant2



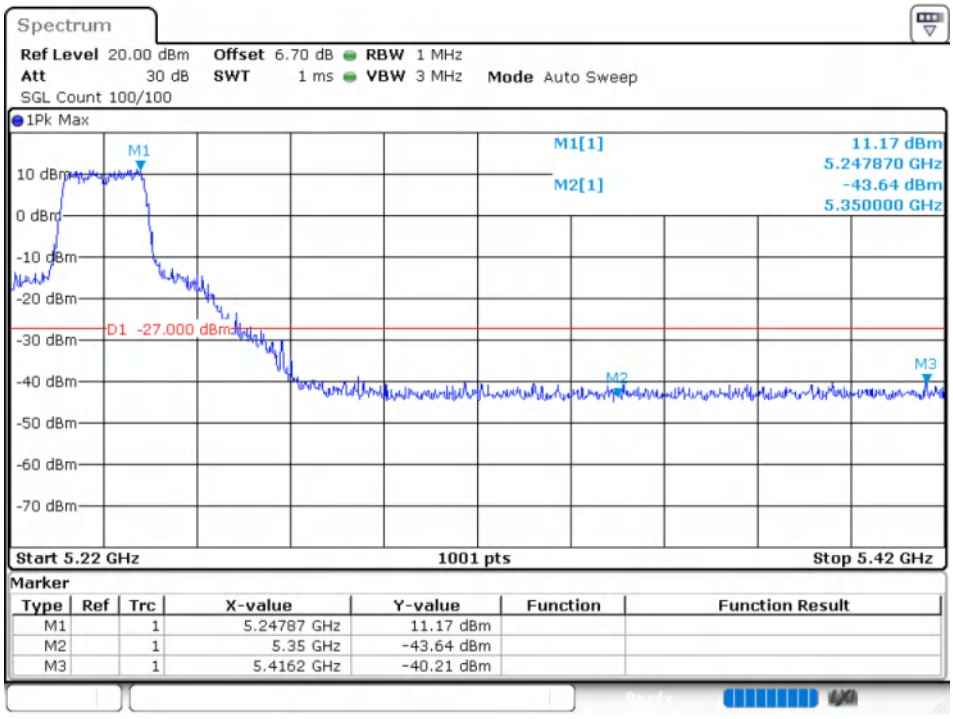
Band Edge NVNT n20 5180MHz Low Ant1



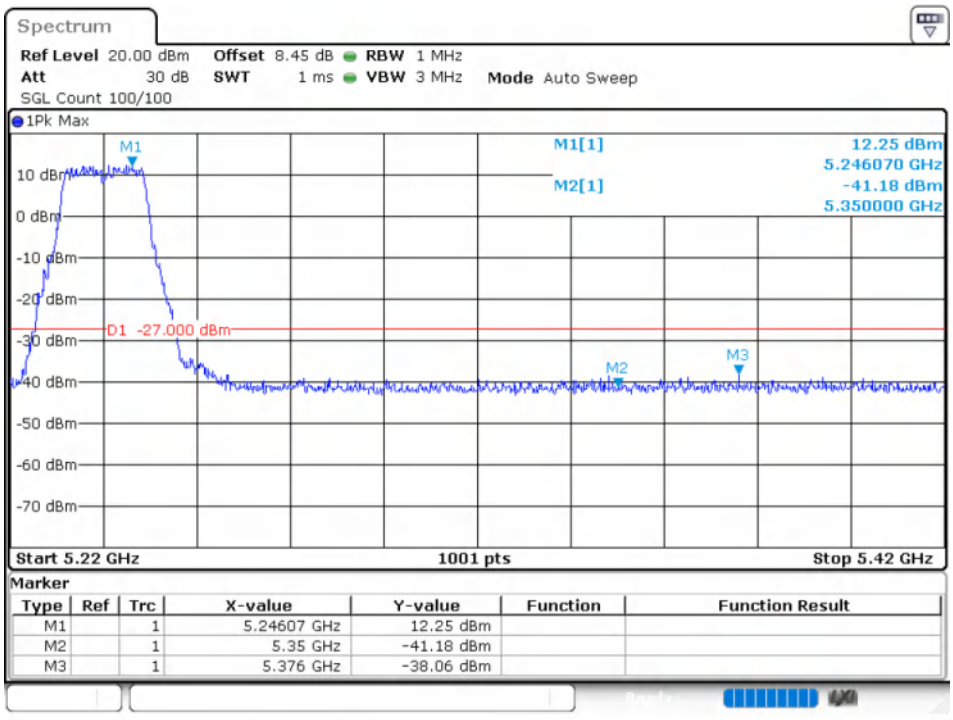
Band Edge NVNT n20 5180MHz Low Ant2



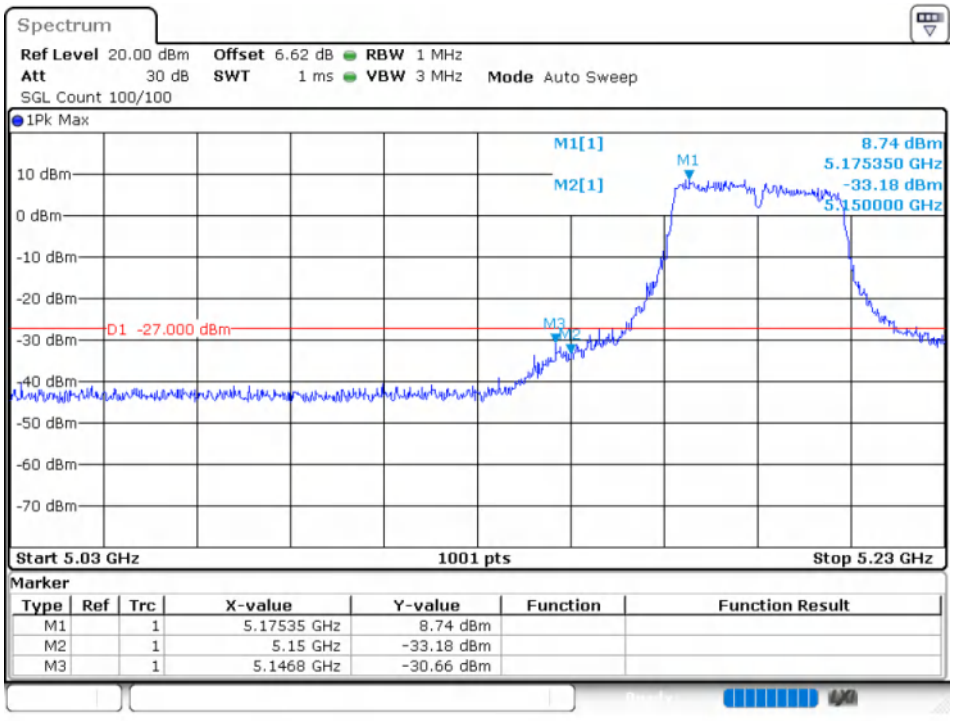
Band Edge NVNT n20 5240MHz High Ant1



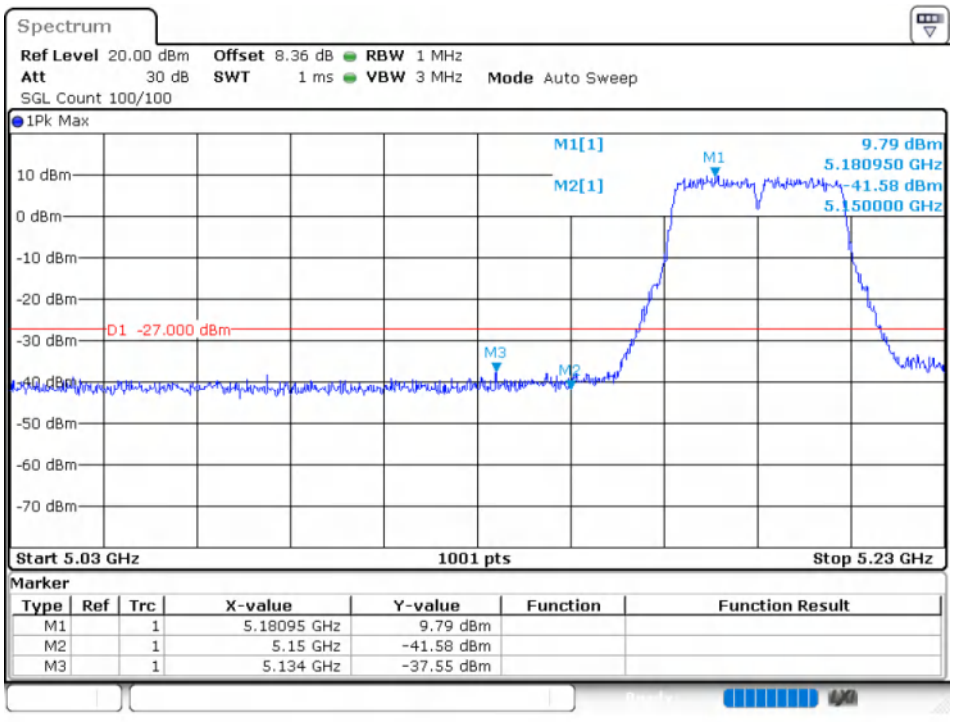
Band Edge NVNT n20 5240MHz High Ant2



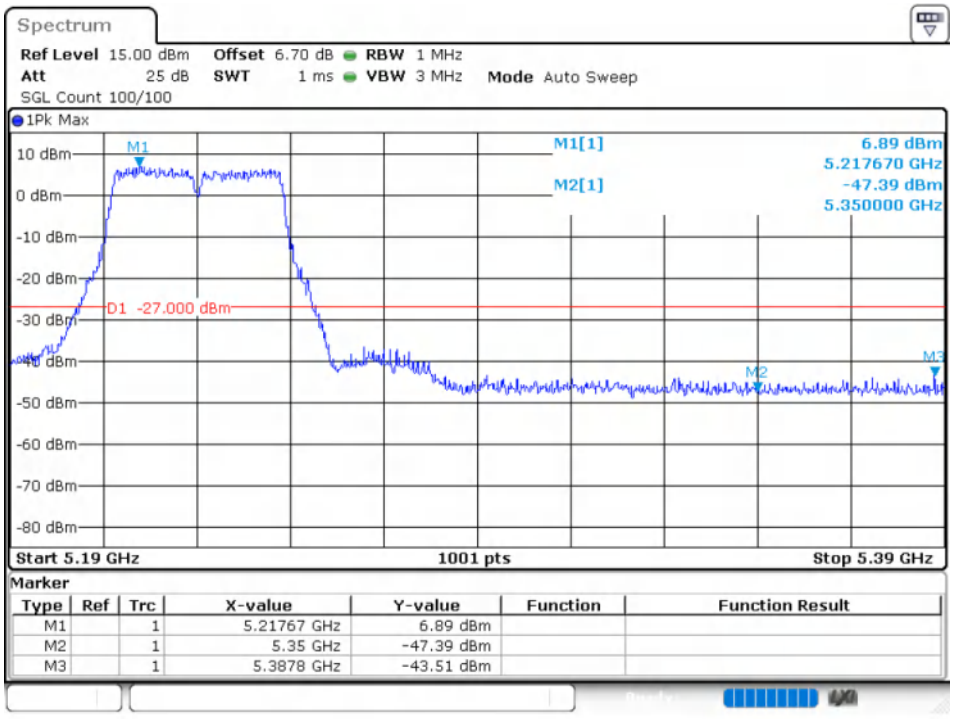
Band Edge NVNT n40 5190MHz Low Ant1



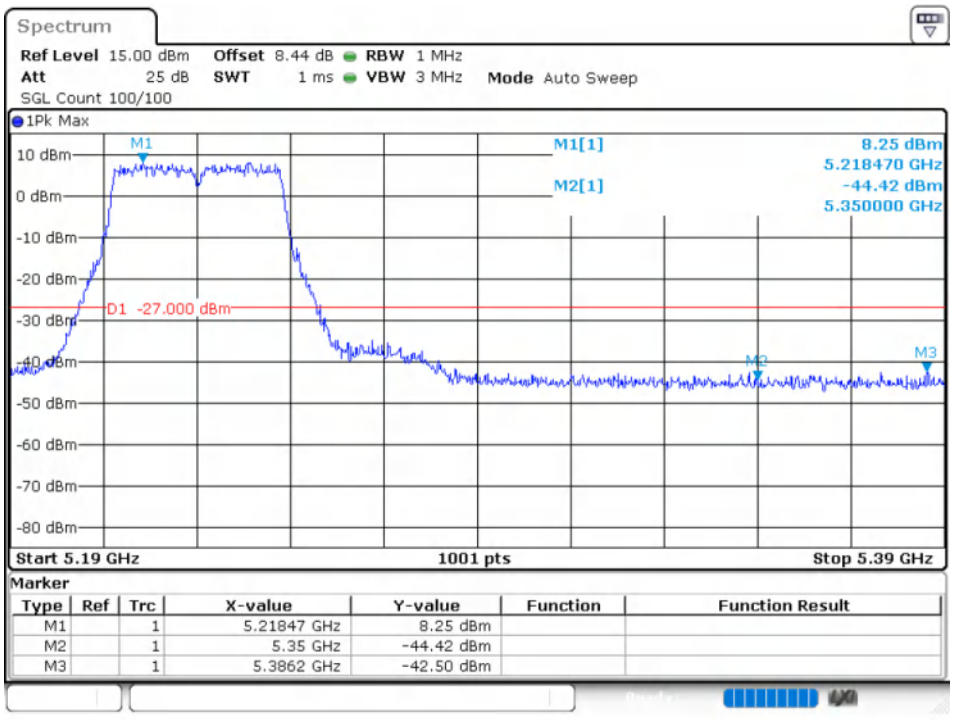
Band Edge NVNT n40 5190MHz Low Ant2



Band Edge NVNT n40 5230MHz High Ant1

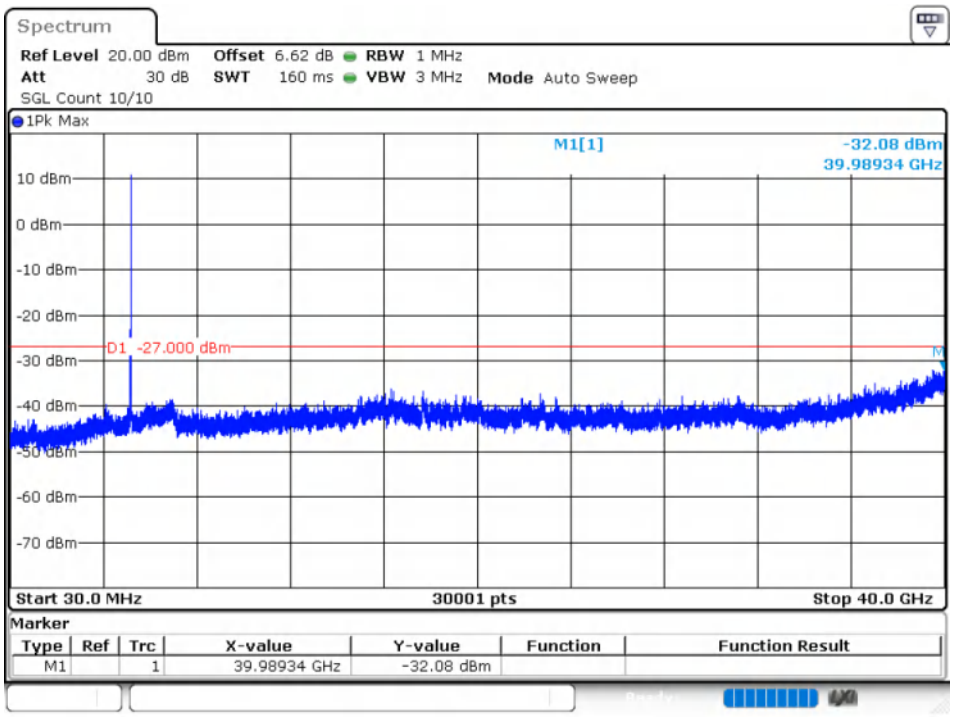
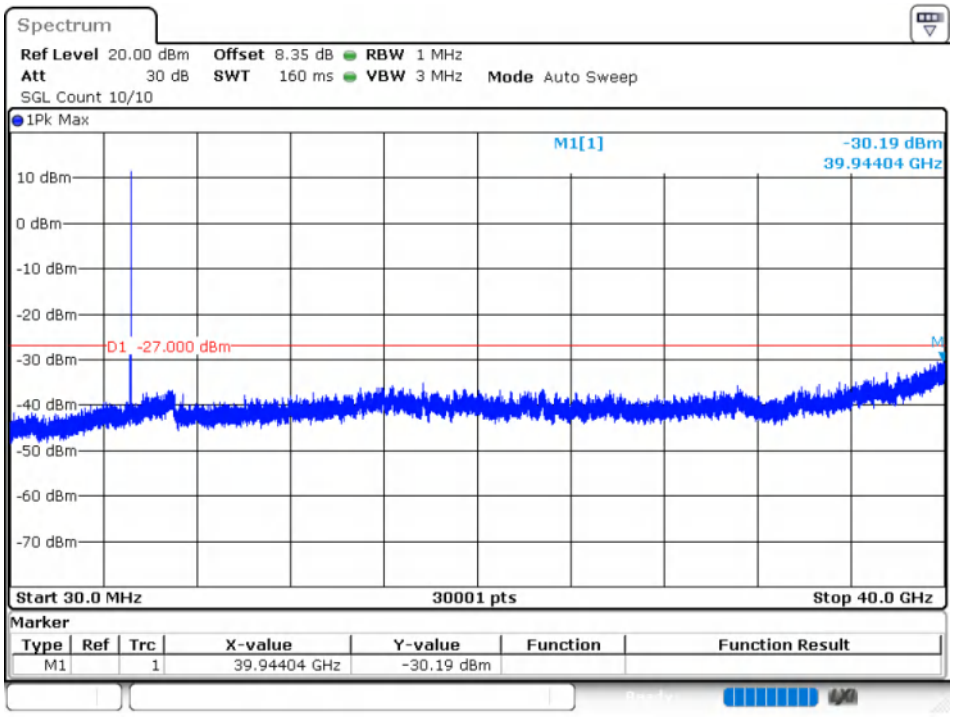


Band Edge NVNT n40 5230MHz High Ant2

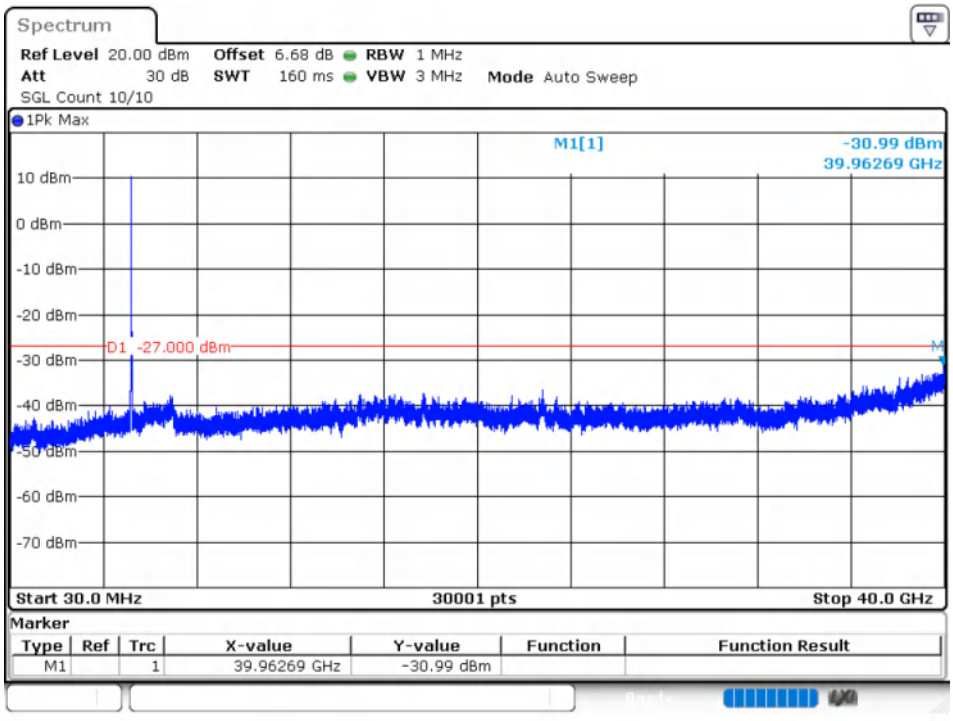


Conducted RF Spurious Emission

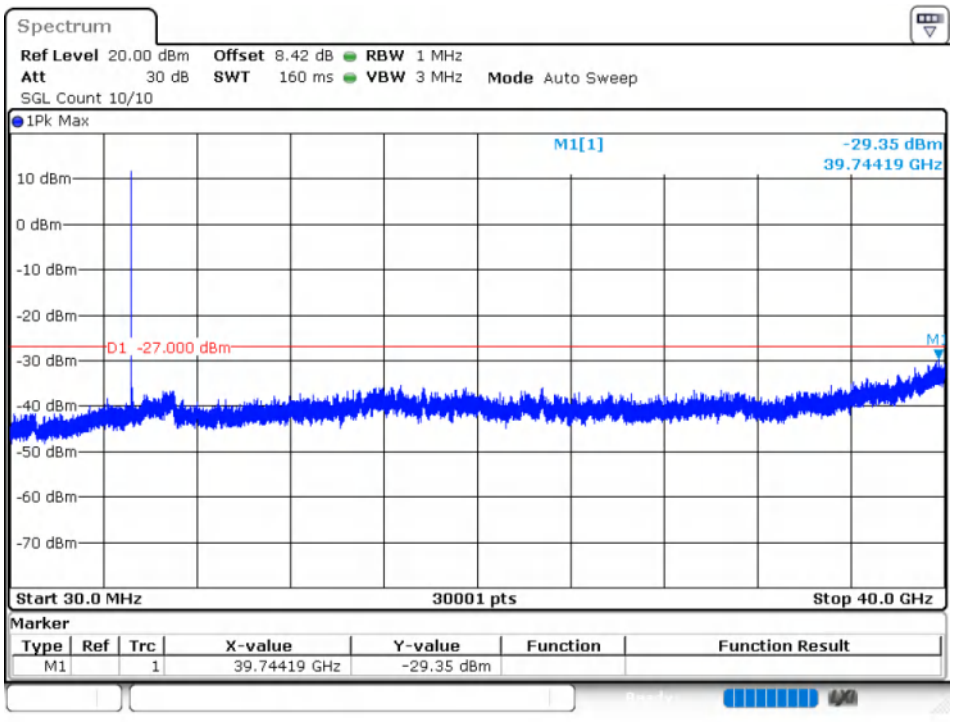
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ac20	5180	Ant1	-32.08	-27	Pass
NVNT	ac20	5180	Ant2	-30.18	-27	Pass
NVNT	ac20	5200	Ant1	-30.99	-27	Pass
NVNT	ac20	5200	Ant2	-29.35	-27	Pass
NVNT	ac20	5240	Ant1	-31.42	-27	Pass
NVNT	ac20	5240	Ant2	-29.88	-27	Pass
NVNT	ac40	5190	Ant1	-32.2	-27	Pass
NVNT	ac40	5190	Ant2	-30.42	-27	Pass
NVNT	ac40	5230	Ant1	-31.38	-27	Pass
NVNT	ac40	5230	Ant2	-29.99	-27	Pass
NVNT	ac80	5210	Ant1	-31.83	-27	Pass
NVNT	ac80	5210	Ant2	-30.13	-27	Pass
NVNT	n20	5180	Ant1	-31.67	-27	Pass
NVNT	n20	5180	Ant2	-30.65	-27	Pass
NVNT	n20	5200	Ant1	-31.6	-27	Pass
NVNT	n20	5200	Ant2	-29.85	-27	Pass
NVNT	n20	5240	Ant1	-31.74	-27	Pass
NVNT	n20	5240	Ant2	-30.11	-27	Pass
NVNT	n40	5190	Ant1	-31.94	-27	Pass
NVNT	n40	5190	Ant2	-30.47	-27	Pass
NVNT	n40	5230	Ant1	-31.84	-27	Pass
NVNT	n40	5230	Ant2	-29.99	-27	Pass

Test Graphs
Tx. Spurious NVNT ac20 5180MHz Ant1 Emission

Tx. Spurious NVNT ac20 5180MHz Ant2 Emission


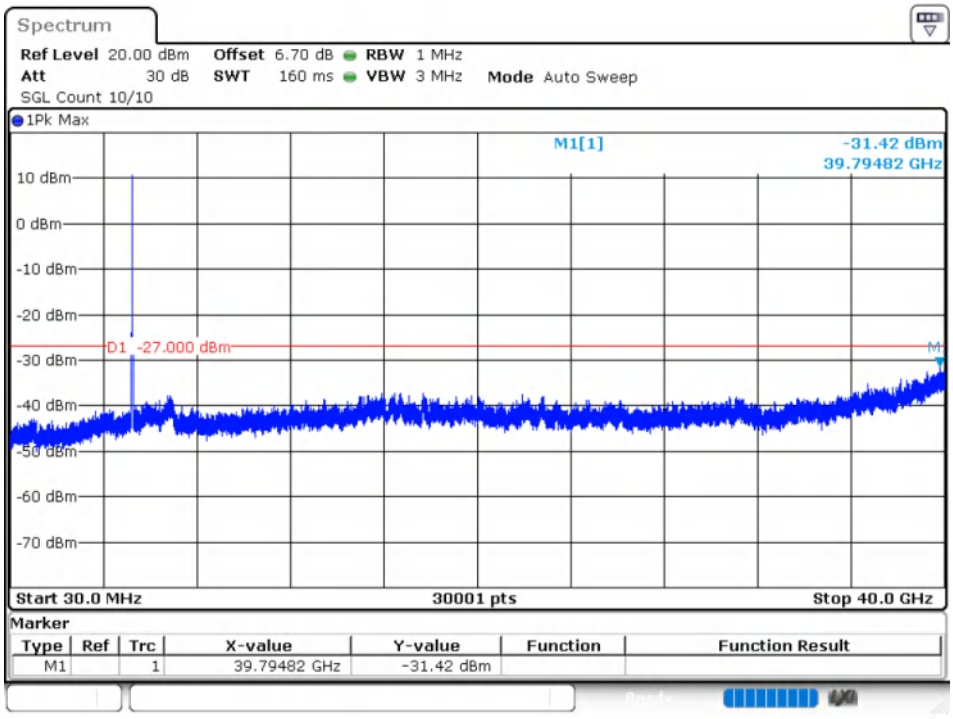
Tx. Spurious NVNT ac20 5200MHz Ant1 Emission



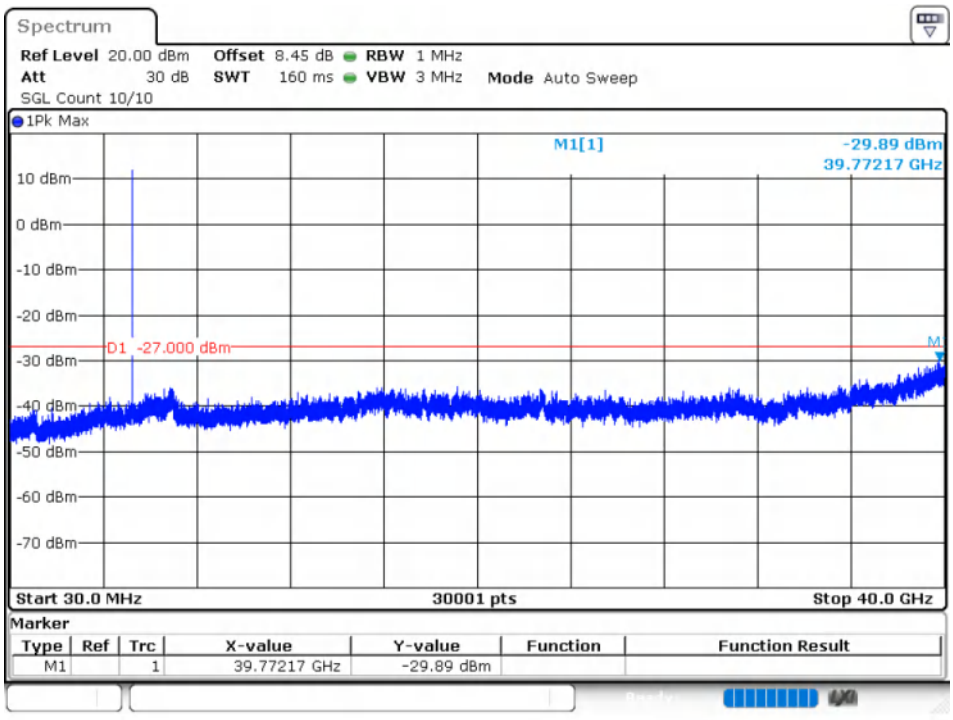
Tx. Spurious NVNT ac20 5200MHz Ant2 Emission



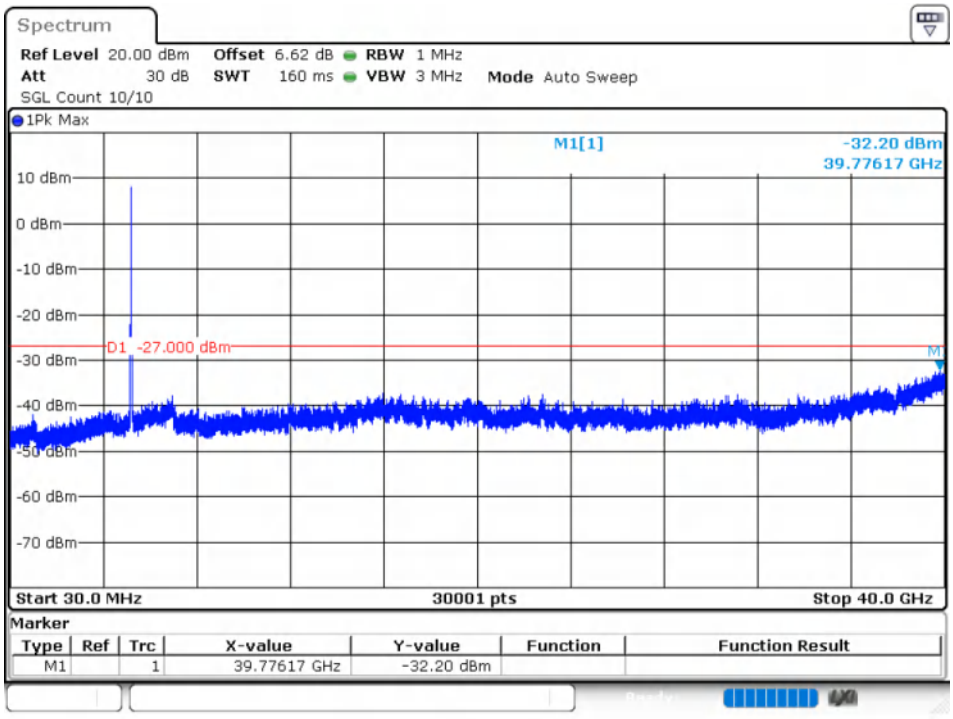
Tx. Spurious NVNT ac20 5240MHz Ant1 Emission



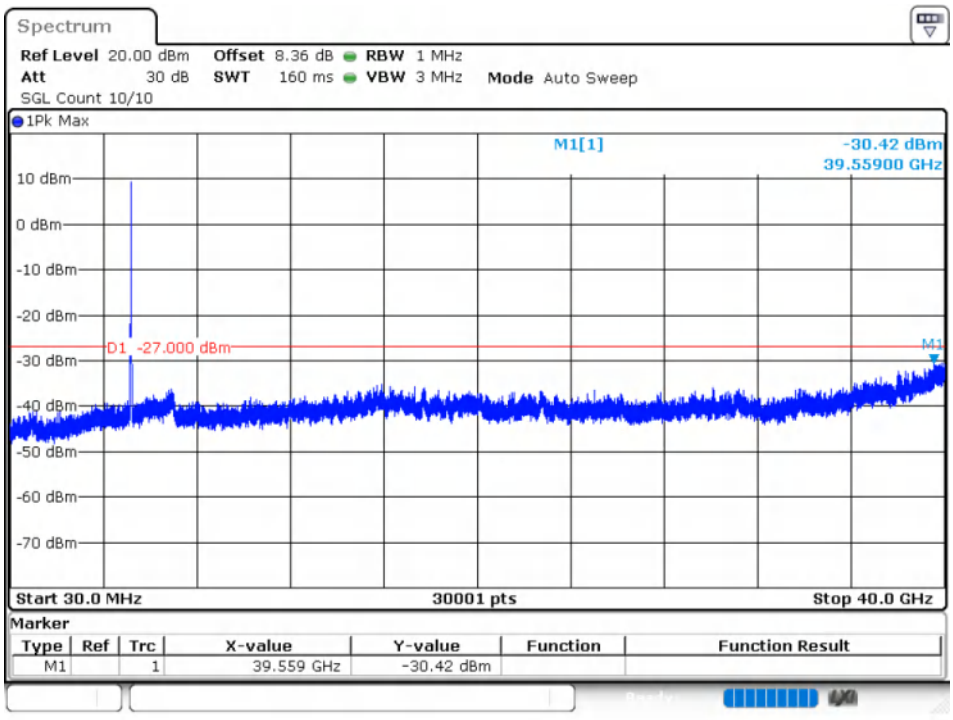
Tx. Spurious NVNT ac20 5240MHz Ant2 Emission



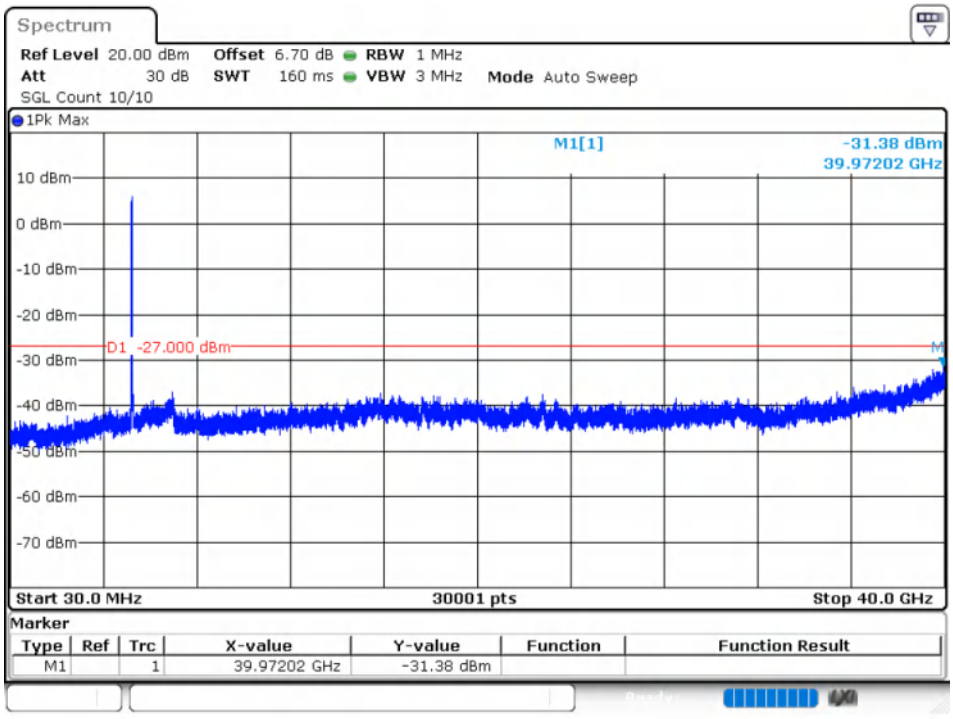
Tx. Spurious NVNT ac40 5190MHz Ant1 Emission



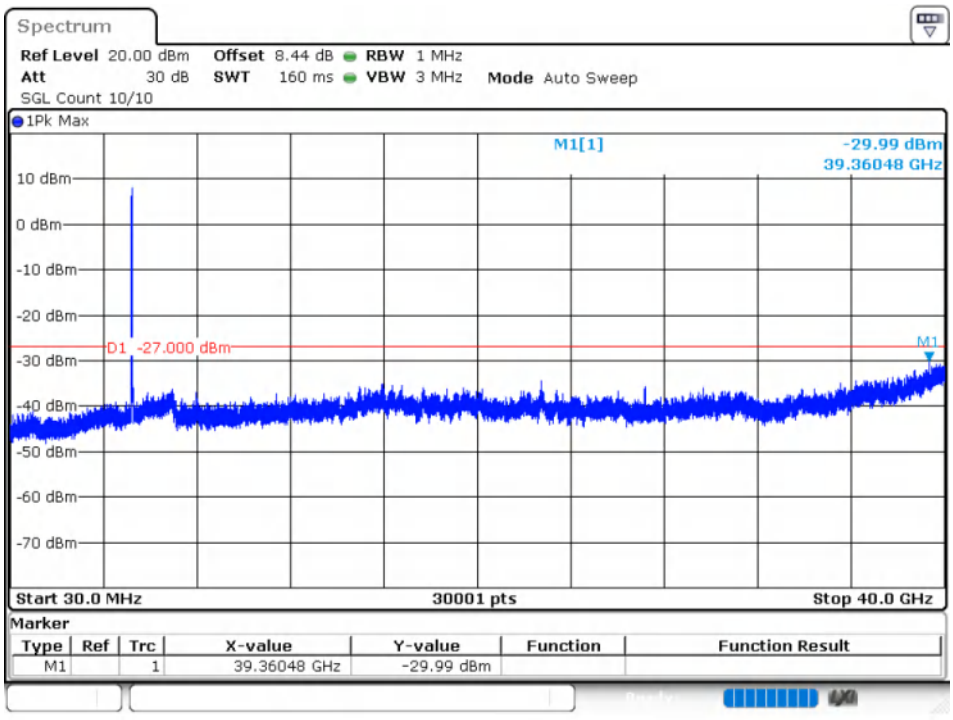
Tx. Spurious NVNT ac40 5190MHz Ant2 Emission



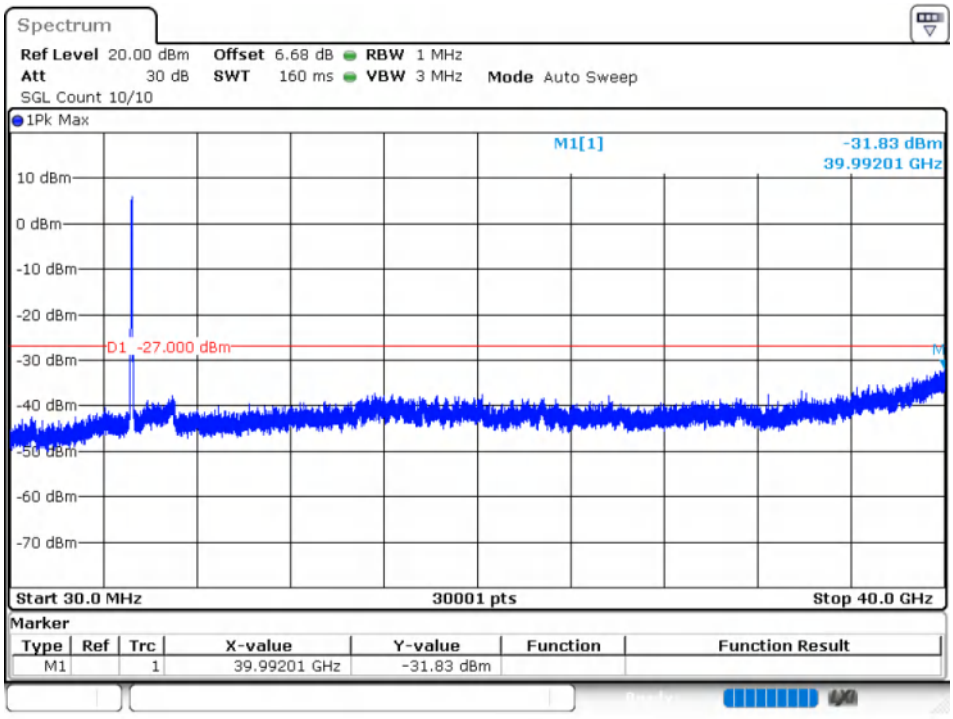
Tx. Spurious NVNT ac40 5230MHz Ant1 Emission



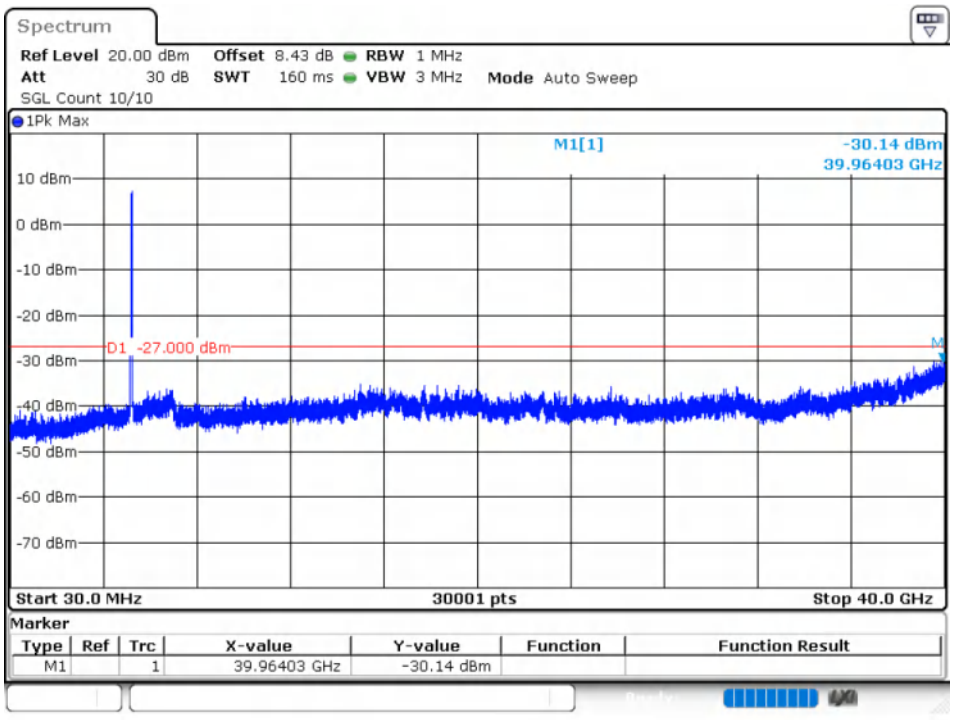
Tx. Spurious NVNT ac40 5230MHz Ant2 Emission



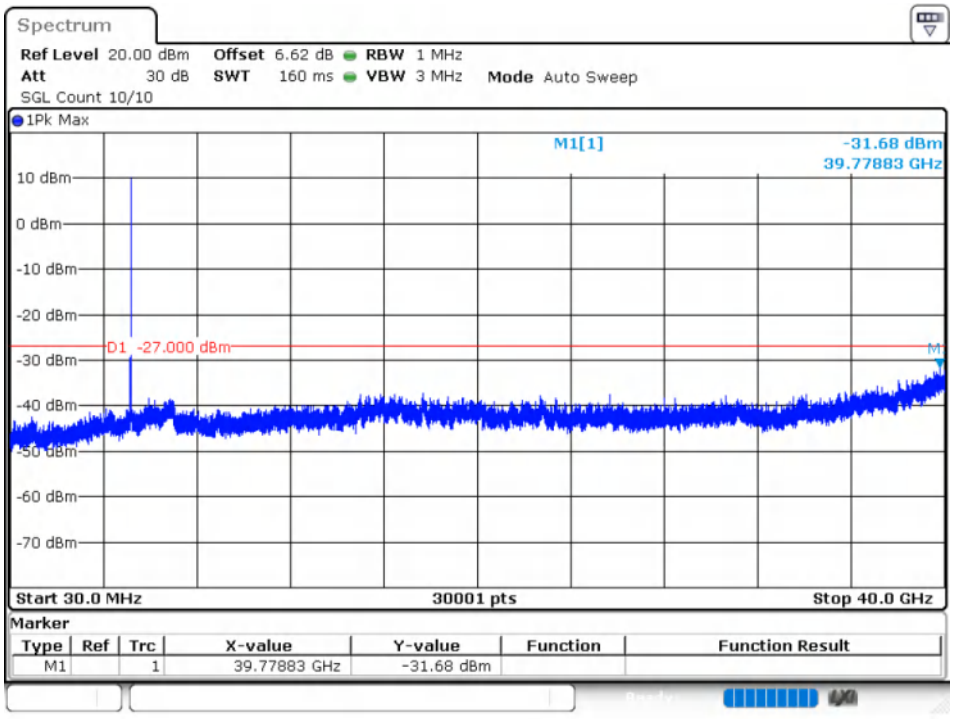
Tx. Spurious NVNT ac80 5210MHz Ant1 Emission



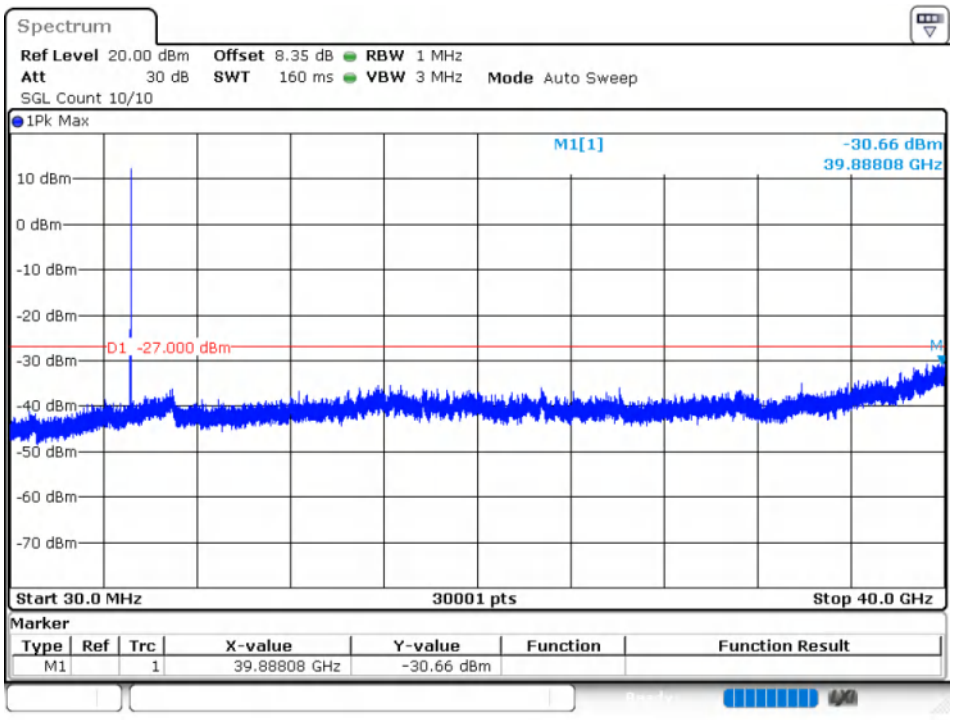
Tx. Spurious NVNT ac80 5210MHz Ant2 Emission



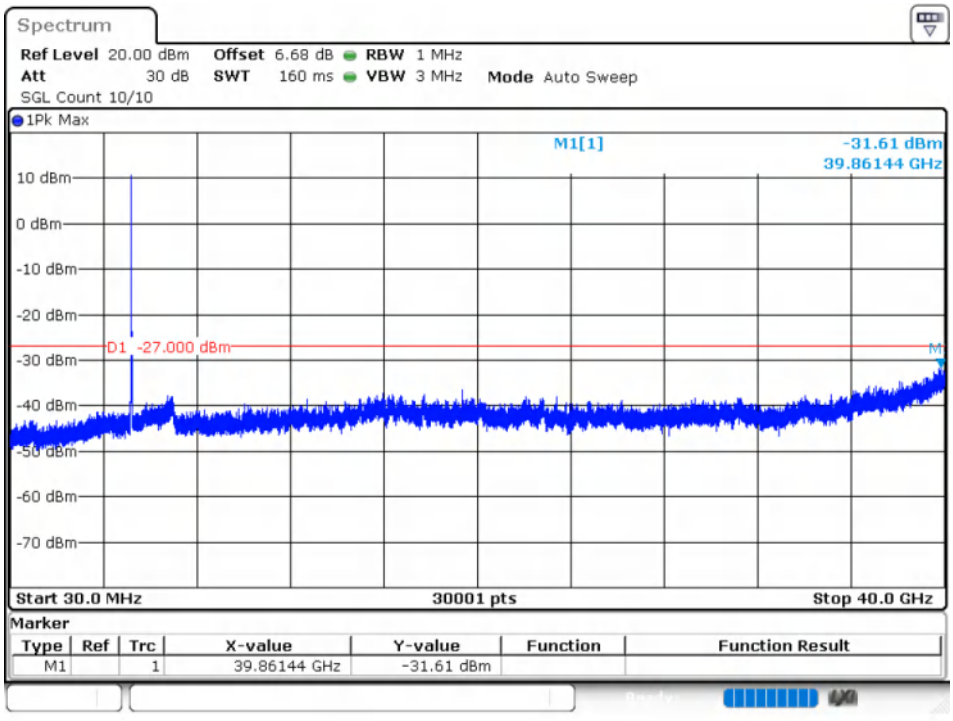
Tx. Spurious NVNT n20 5180MHz Ant1 Emission



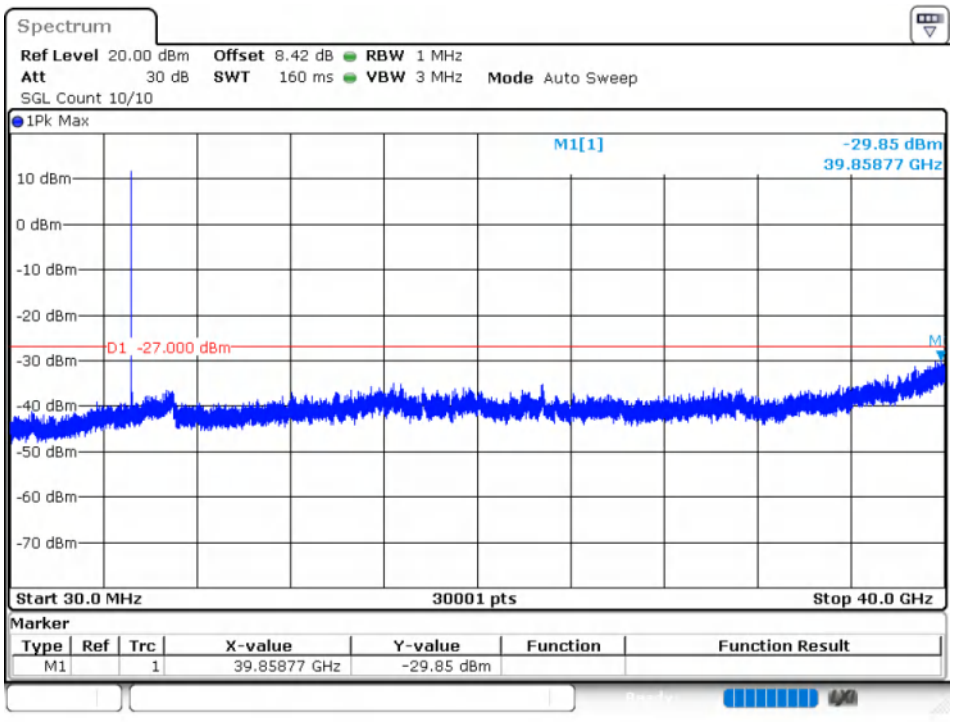
Tx. Spurious NVNT n20 5180MHz Ant2 Emission



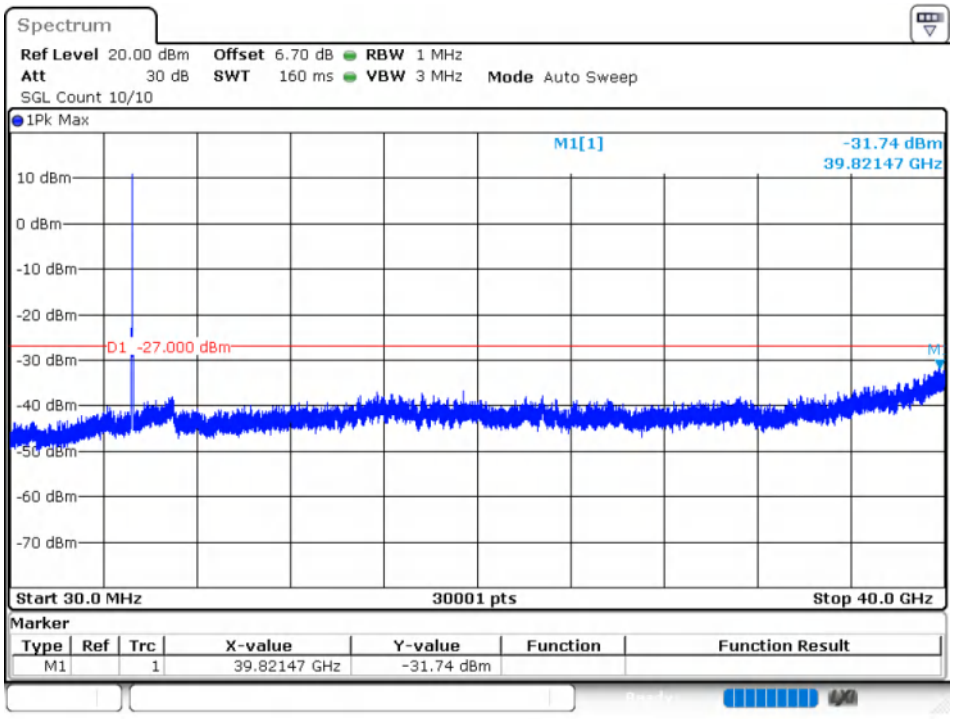
Tx. Spurious NVNT n20 5200MHz Ant1 Emission



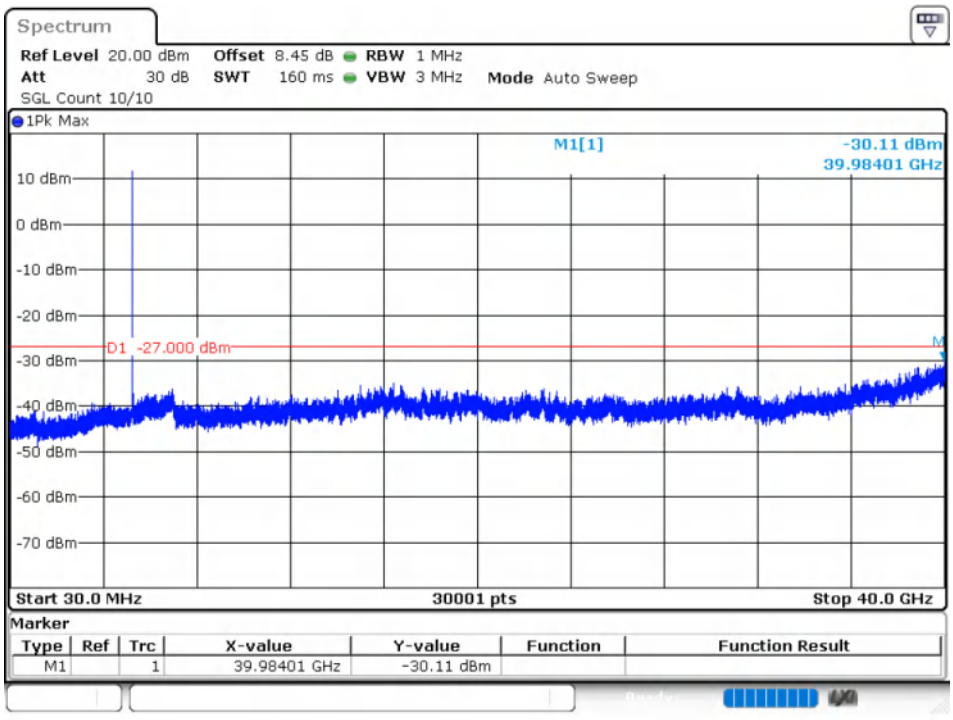
Tx. Spurious NVNT n20 5200MHz Ant2 Emission



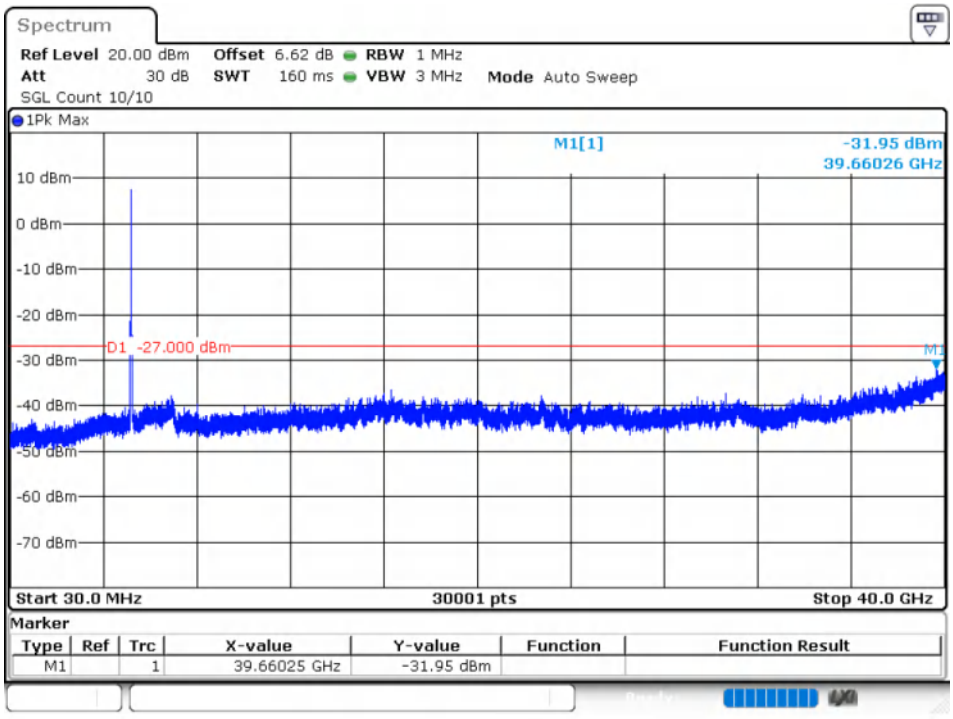
Tx. Spurious NVNT n20 5240MHz Ant1 Emission



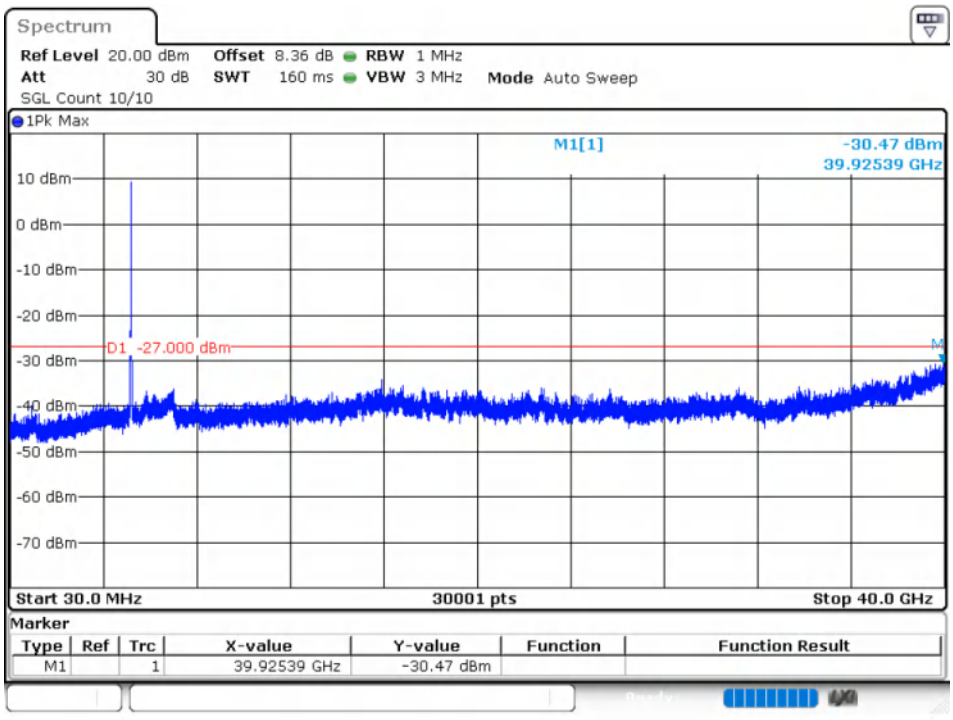
Tx. Spurious NVNT n20 5240MHz Ant2 Emission



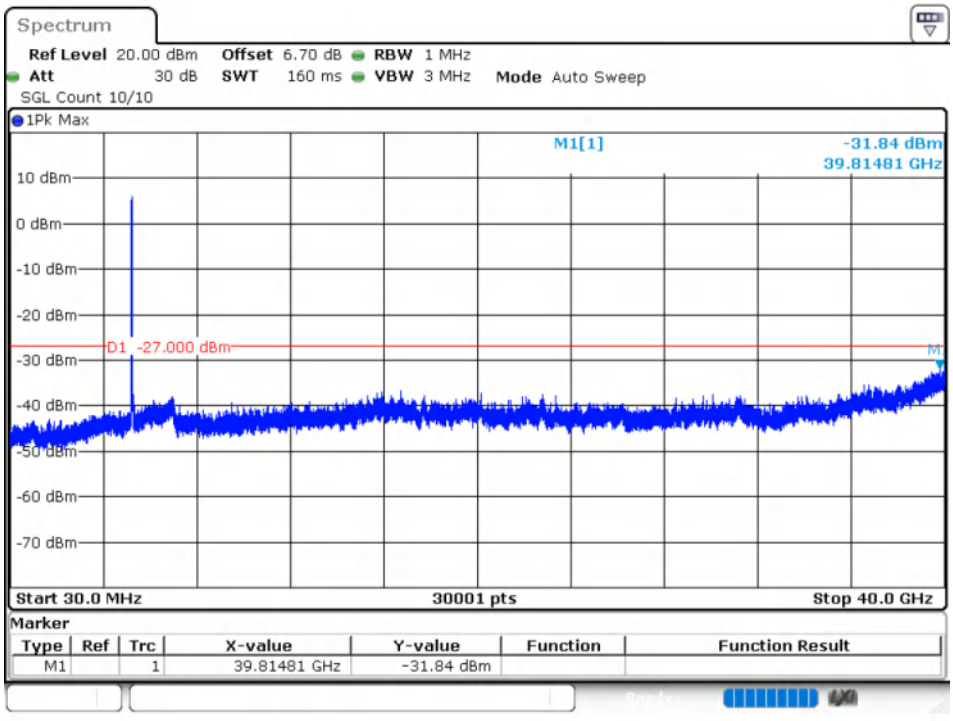
Tx. Spurious NVNT n40 5190MHz Ant1 Emission



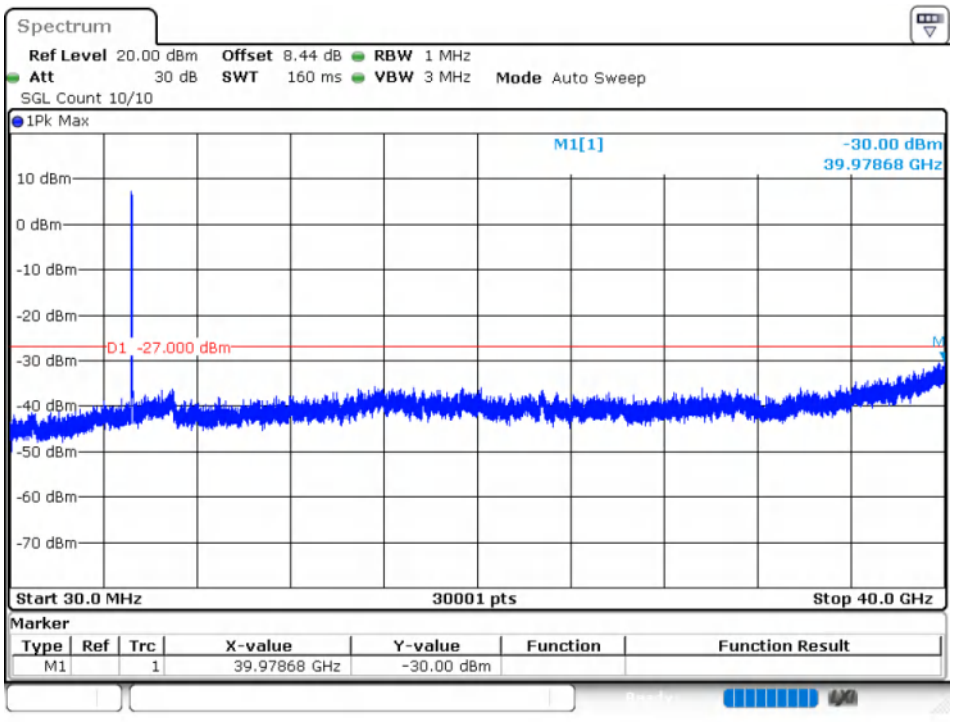
Tx. Spurious NVNT n40 5190MHz Ant2 Emission



Tx. Spurious NVNT n40 5230MHz Ant1 Emission



Tx. Spurious NVNT n40 5230MHz Ant2 Emission

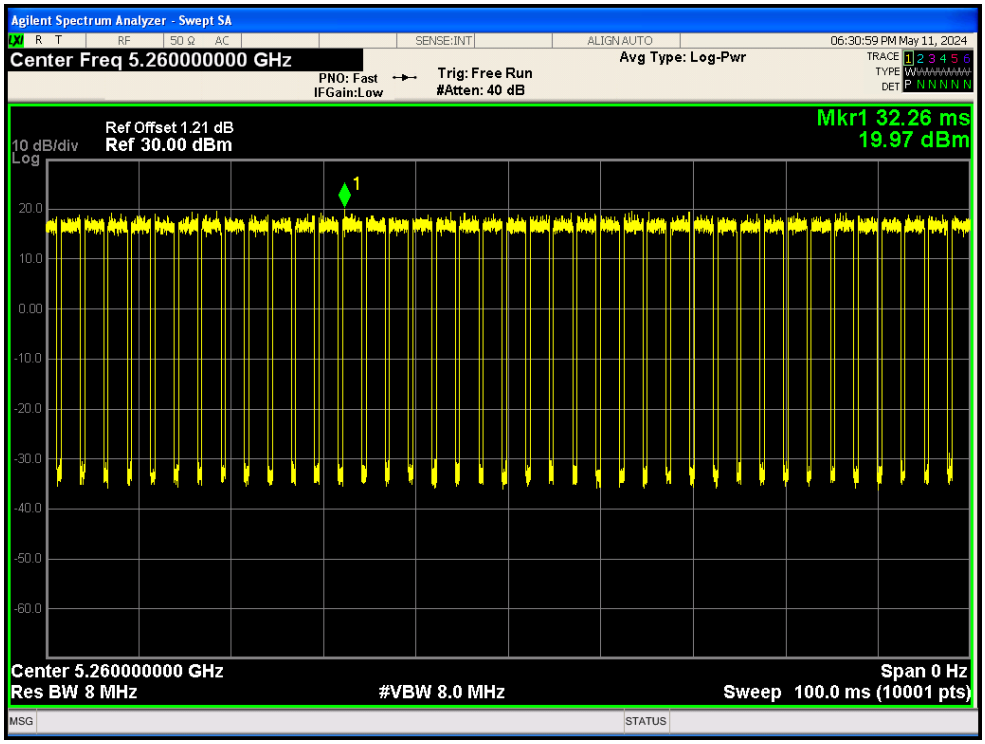


5.3G

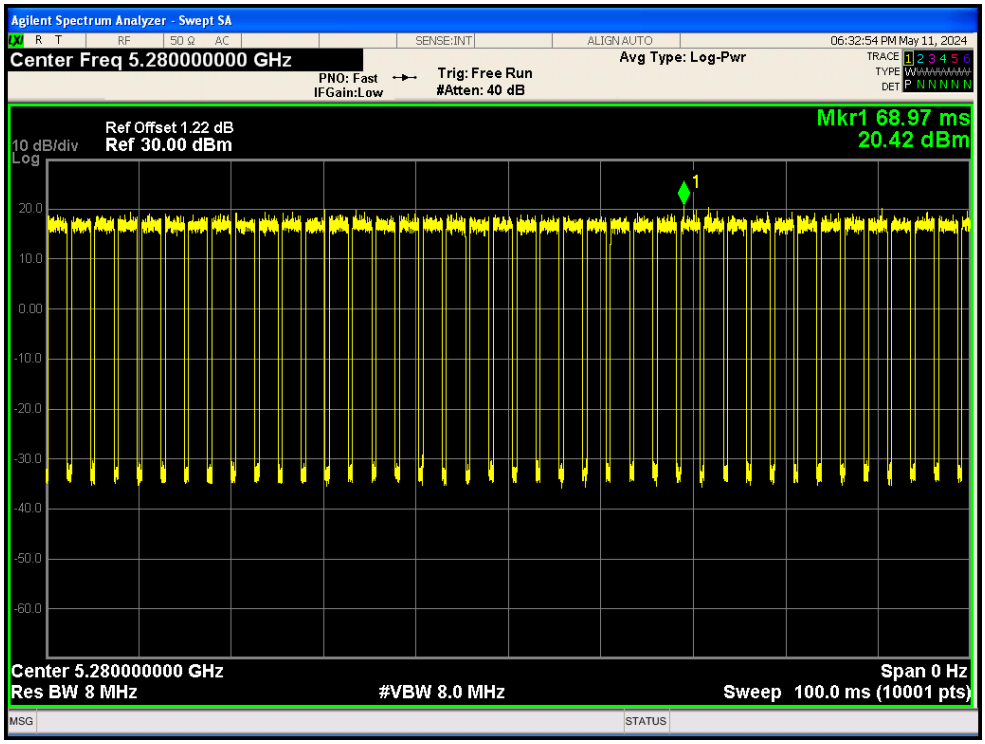
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5260	Ant1	81.43	0.89
NVNT	a	5280	Ant1	81.24	0.9
NVNT	a	5320	Ant1	81.44	0.89
NVNT	a	5260	Ant2	97.18	0.12
NVNT	a	5280	Ant2	97.2	0.12
NVNT	a	5320	Ant2	97.19	0.12
NVNT	ac20	5260	Ant1	80.91	0.92
NVNT	ac20	5280	Ant1	81.19	0.9
NVNT	ac20	5320	Ant1	81.11	0.91
NVNT	ac20	5260	Ant2	97.17	0.12
NVNT	ac20	5280	Ant2	97.23	0.12
NVNT	ac20	5320	Ant2	81.34	0.9
NVNT	ac40	5270	Ant1	81.49	0.89
NVNT	ac40	5310	Ant1	81.5	0.89
NVNT	ac40	5270	Ant2	81.49	0.89
NVNT	ac40	5310	Ant2	81.48	0.89
NVNT	ac80	5290	Ant1	82.26	0.85
NVNT	ac80	5290	Ant2	82.22	0.85
NVNT	n20	5260	Ant1	81.29	0.9
NVNT	n20	5280	Ant1	81.19	0.9
NVNT	n20	5320	Ant1	81.42	0.89
NVNT	n20	5260	Ant2	97.16	0.13
NVNT	n20	5280	Ant2	97.16	0.13
NVNT	n20	5320	Ant2	97.17	0.12
NVNT	n40	5270	Ant1	81.37	0.9
NVNT	n40	5310	Ant1	81.36	0.9
NVNT	n40	5270	Ant2	81.35	0.9
NVNT	n40	5310	Ant2	81.37	0.9

Duty Cycle NVNT a 5260MHz Ant1



Duty Cycle NVNT a 5280MHz Ant1



Duty Cycle NVNT a 5320MHz Ant1