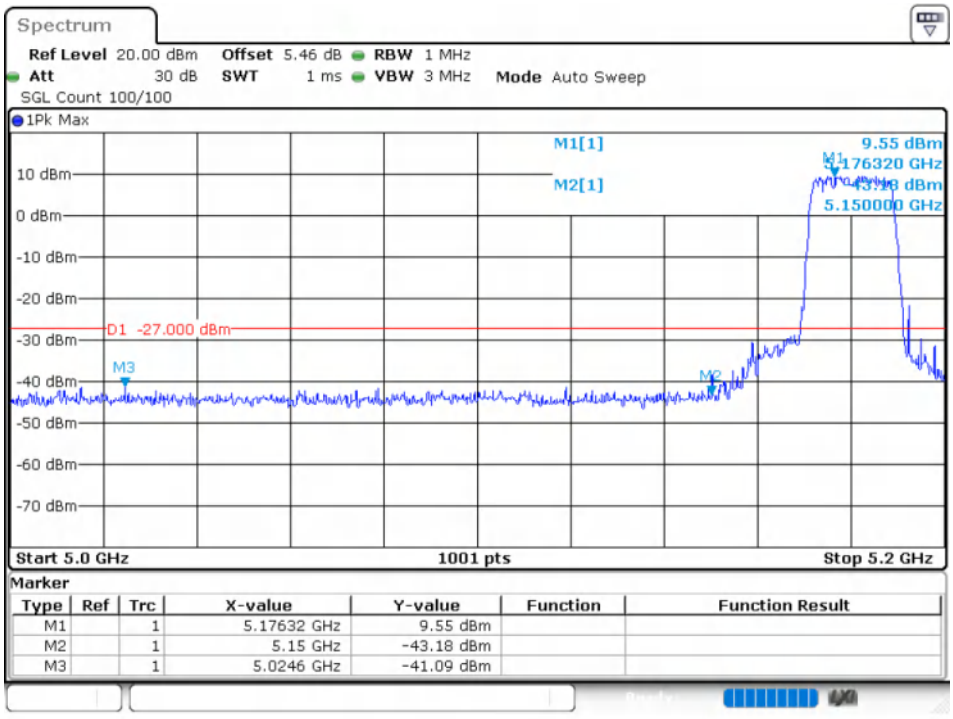
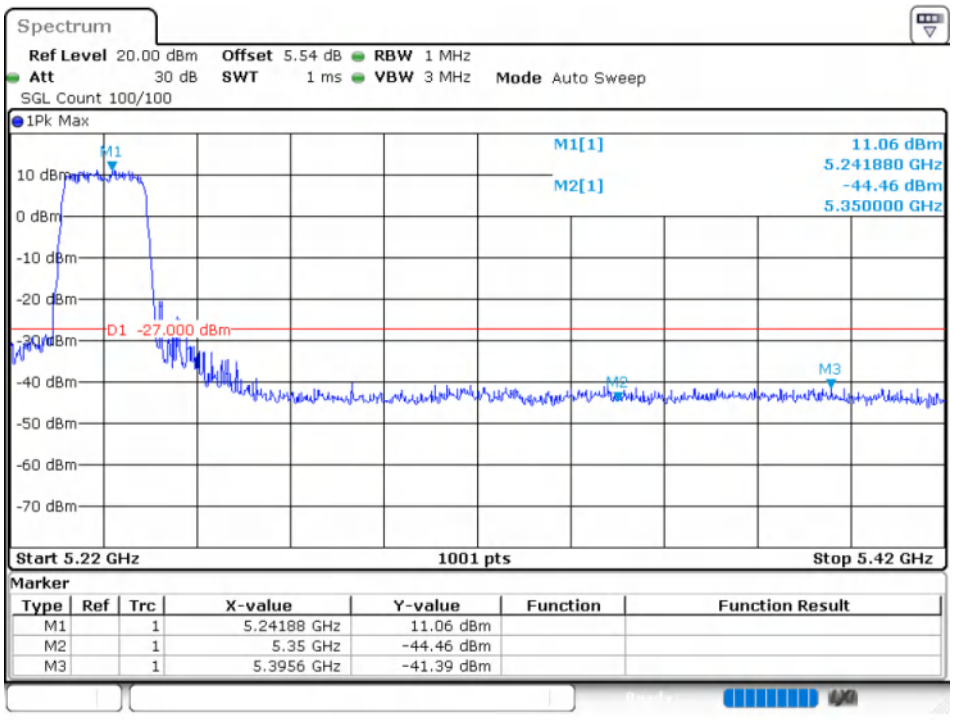
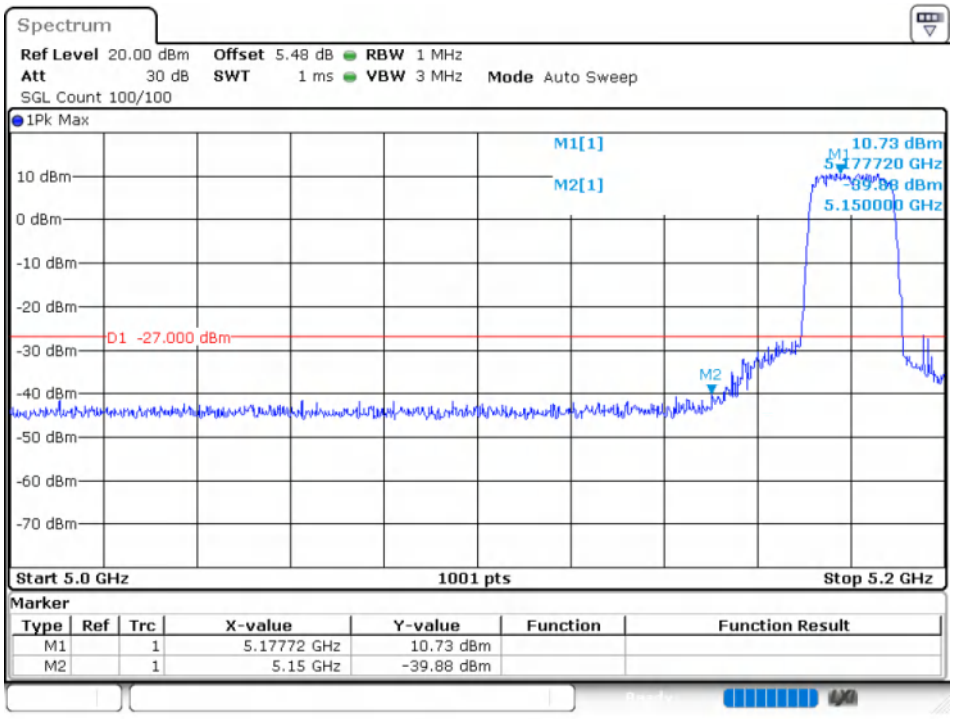
Band Edge NVNT n20 5180MHz Low Ant1



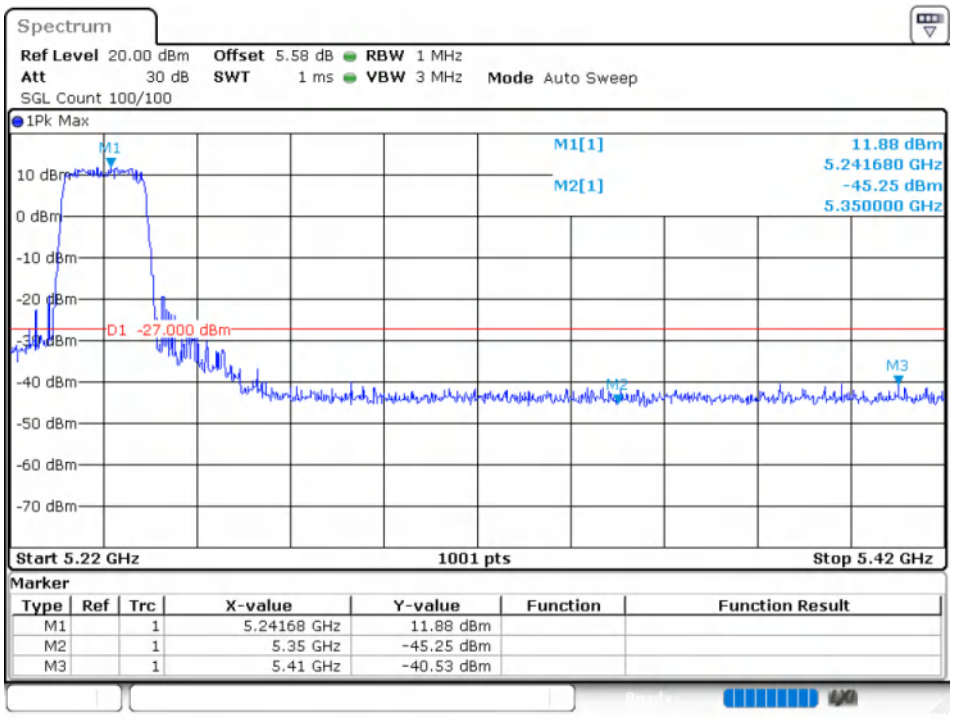
Band Edge NVNT n20 5240MHz High Ant1



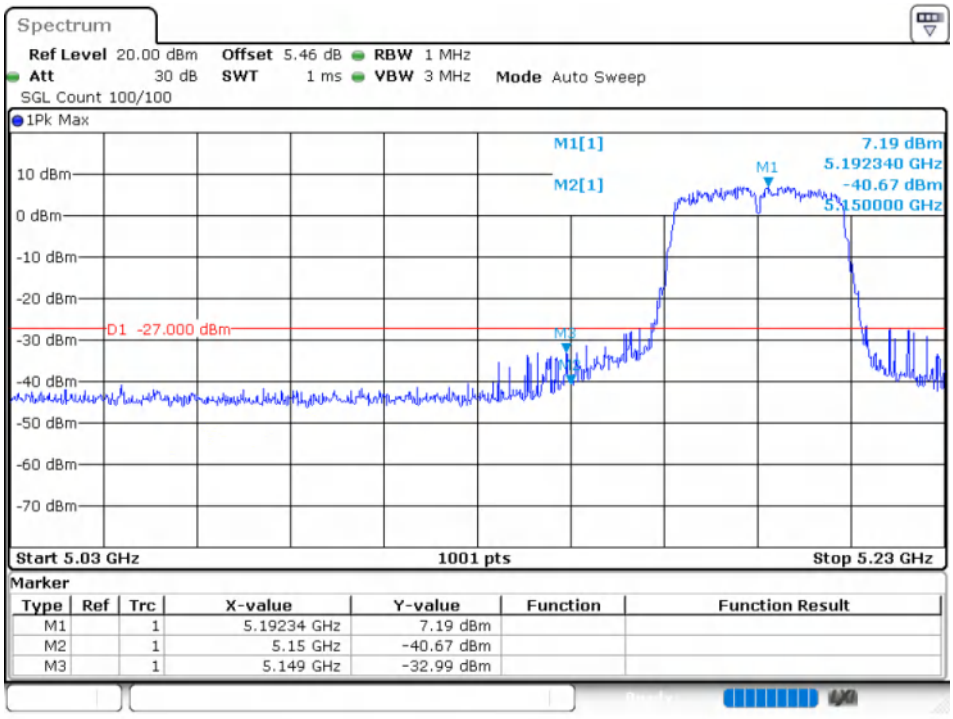
Band Edge NVNT n20 5180MHz Low Ant2



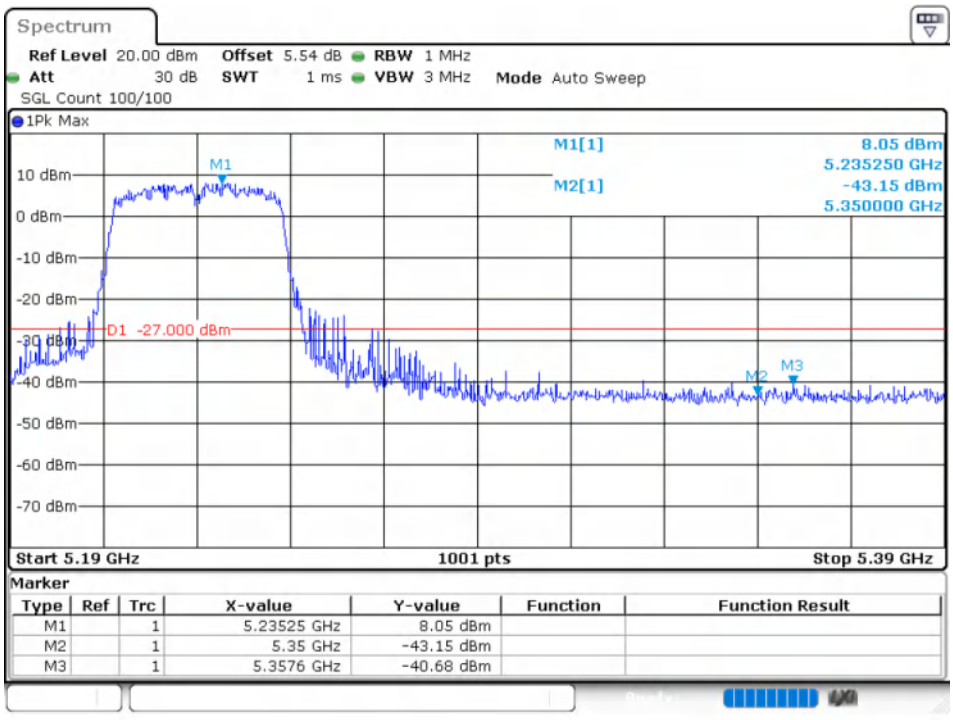
Band Edge NVNT n20 5240MHz High Ant2



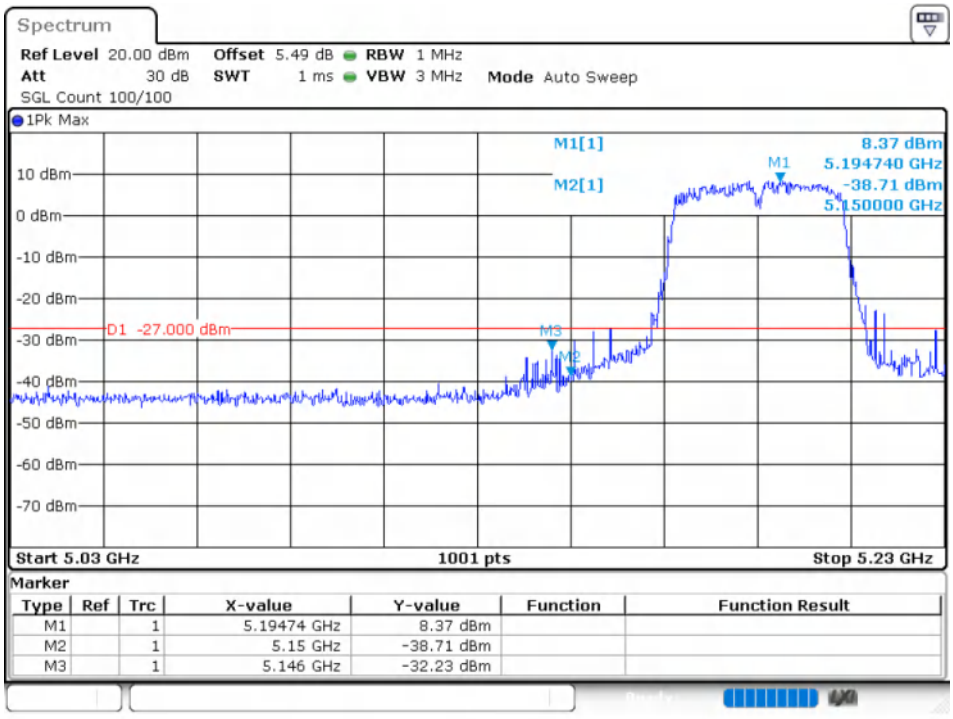
Band Edge NVNT n40 5190MHz Low Ant1



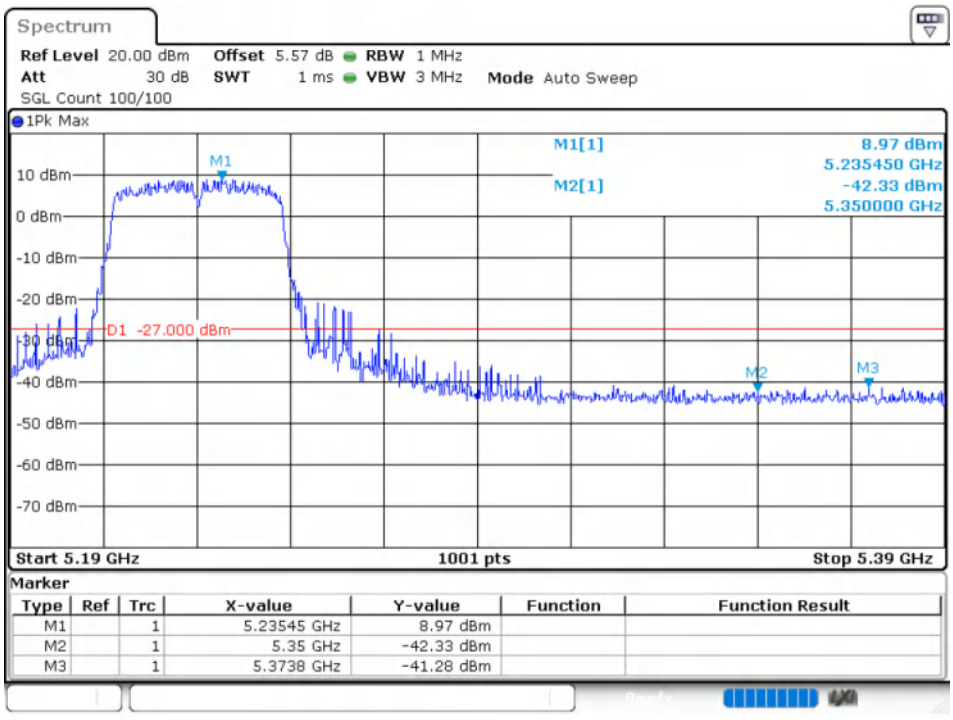
Band Edge NVNT n40 5230MHz High Ant1



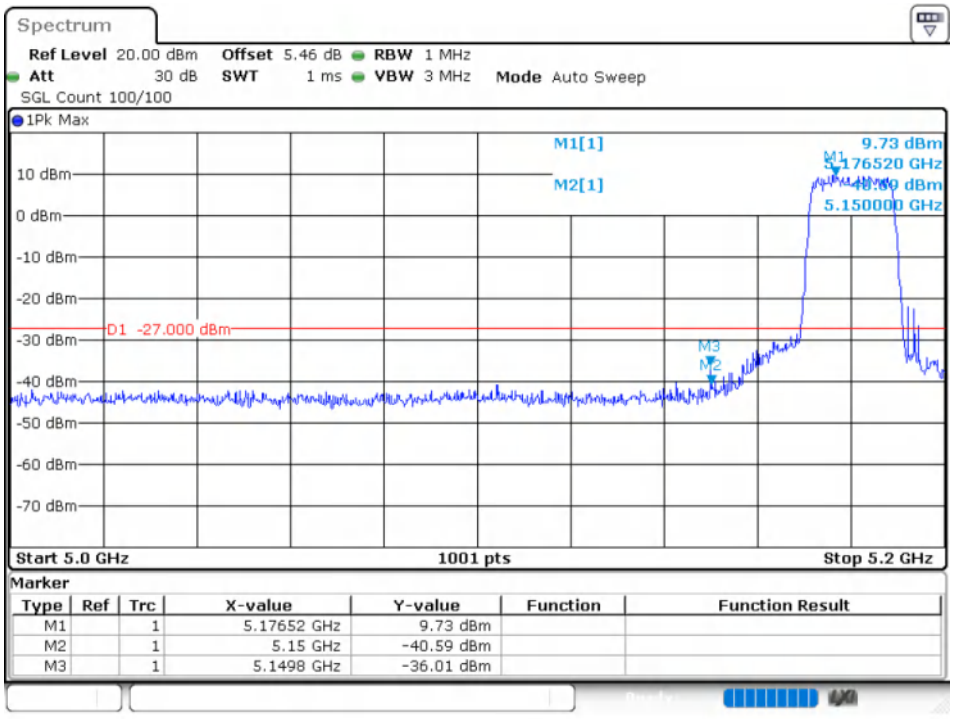
Band Edge NVNT n40 5190MHz Low Ant2



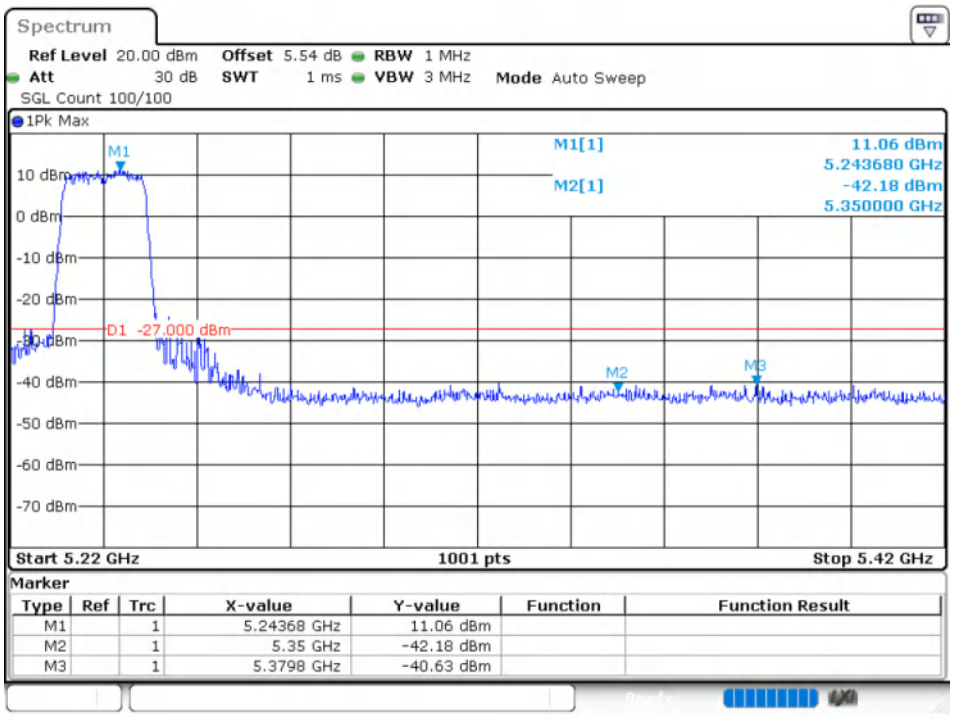
Band Edge NVNT n40 5230MHz High Ant2



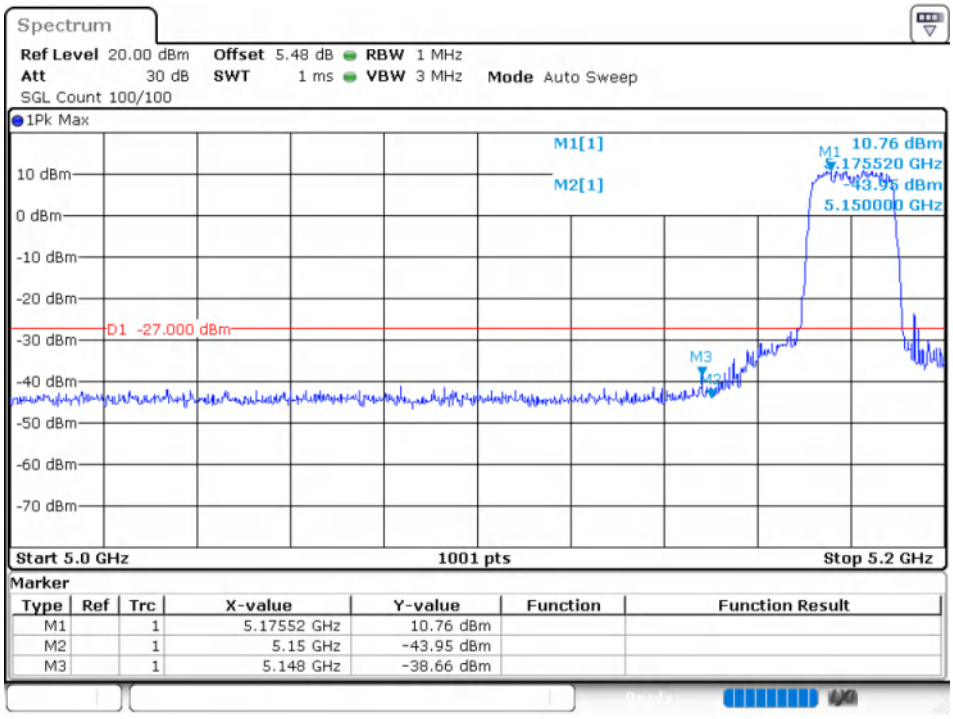
Band Edge NVNT ac20 5180MHz Low Ant1



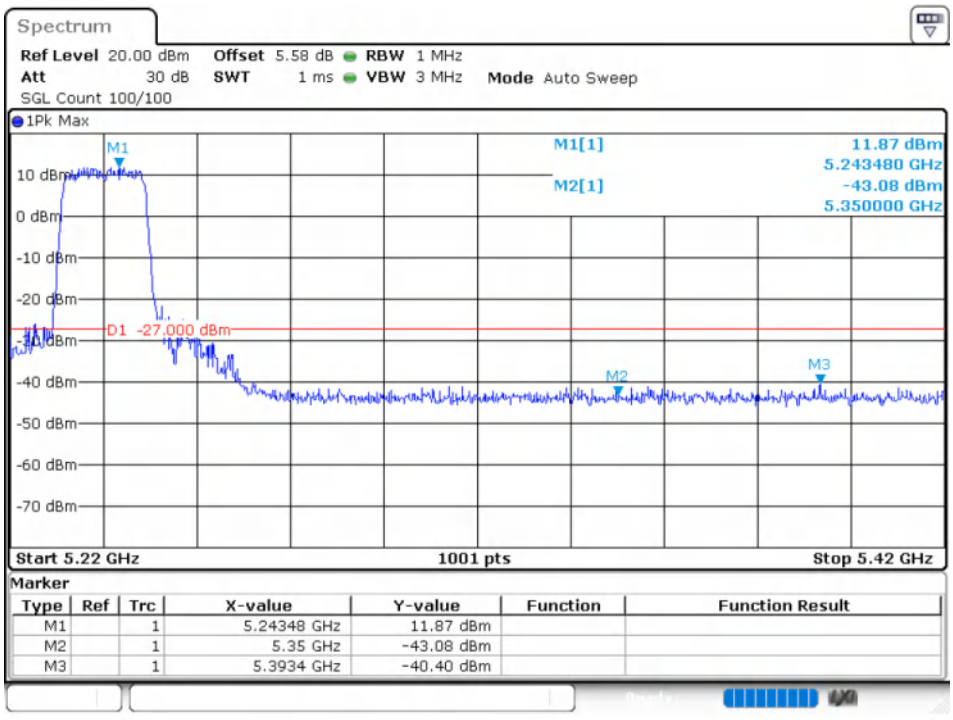
Band Edge NVNT ac20 5240MHz High Ant1



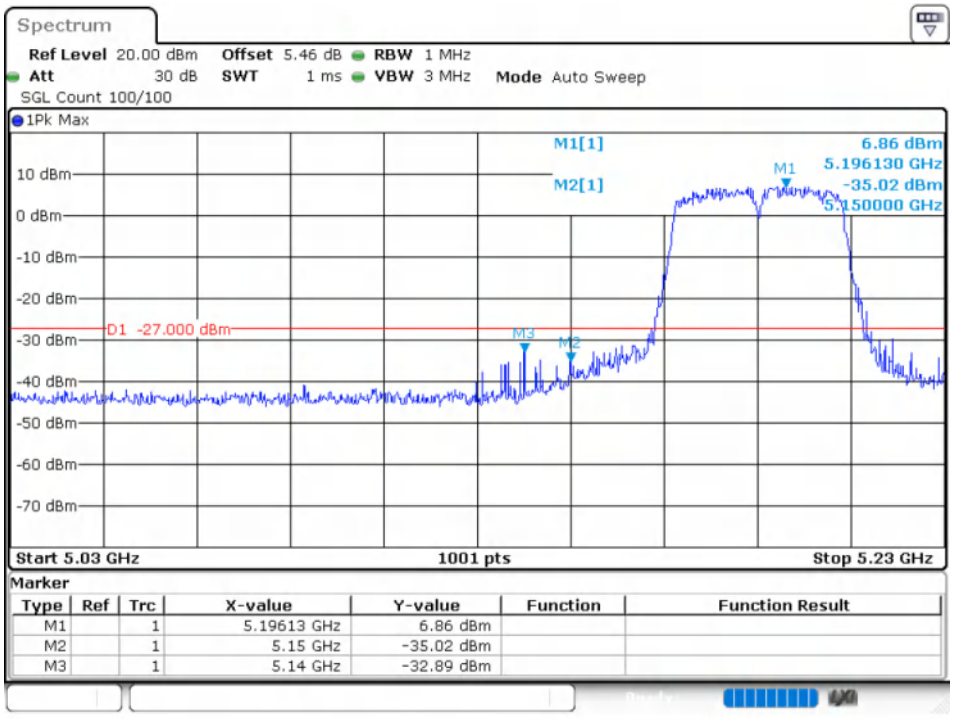
Band Edge NVNT ac20 5180MHz Low Ant2



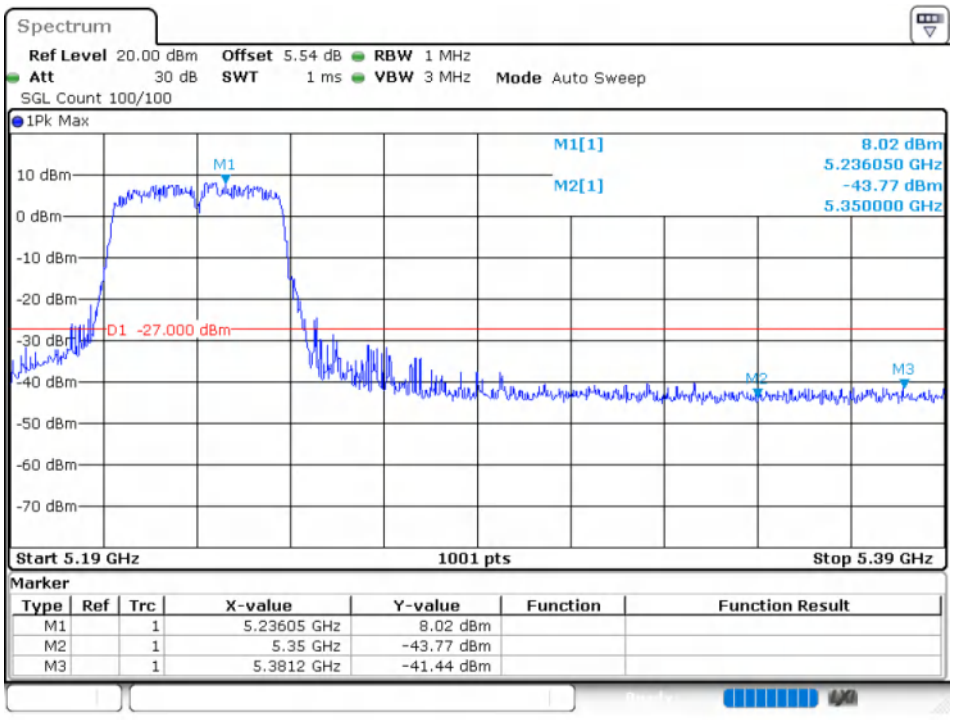
Band Edge NVNT ac20 5240MHz High Ant2



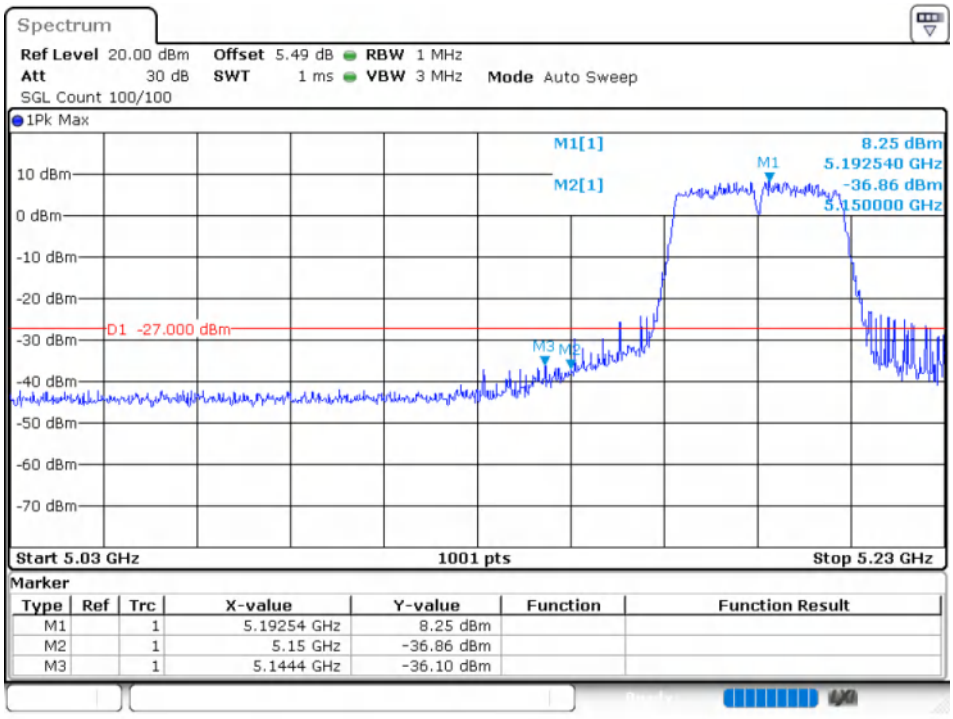
Band Edge NVNT ac40 5190MHz Low Ant1



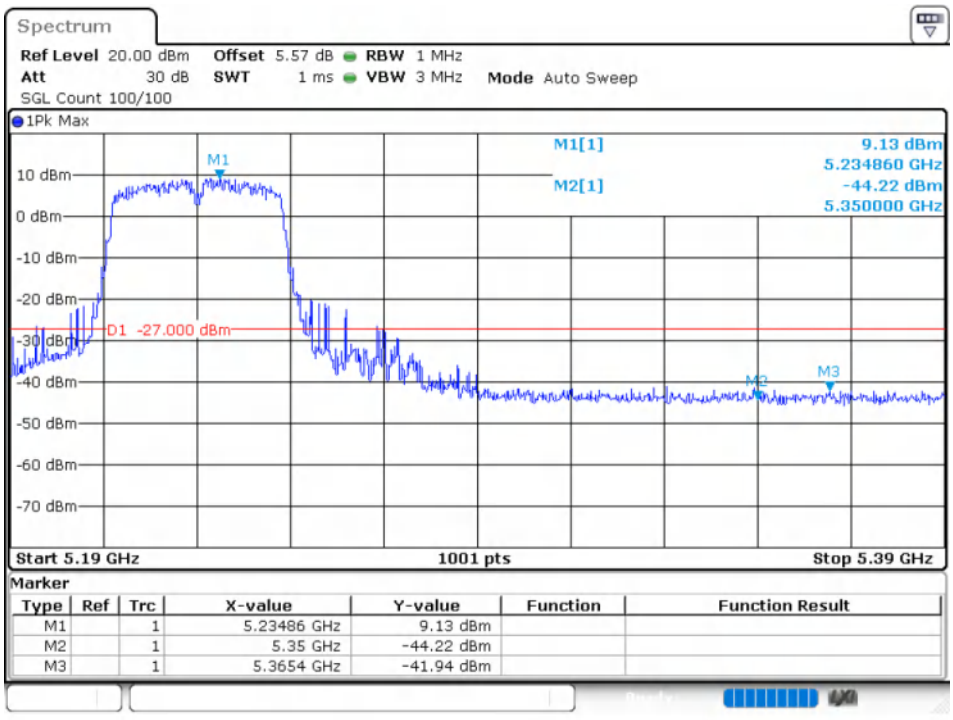
Band Edge NVNT ac40 5230MHz High Ant1



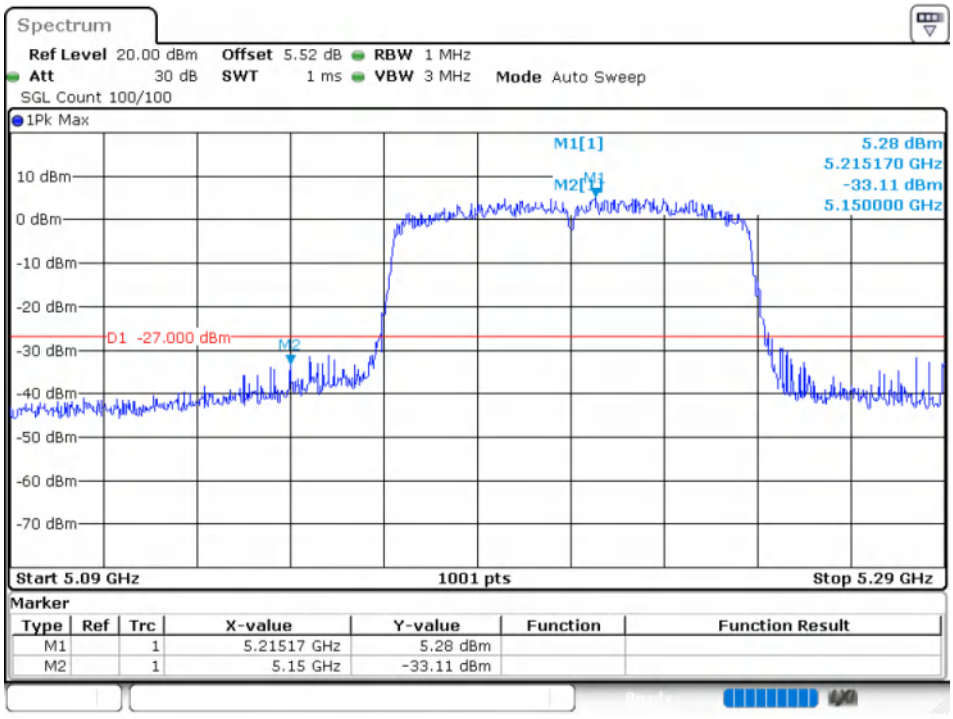
Band Edge NVNT ac40 5190MHz Low Ant2



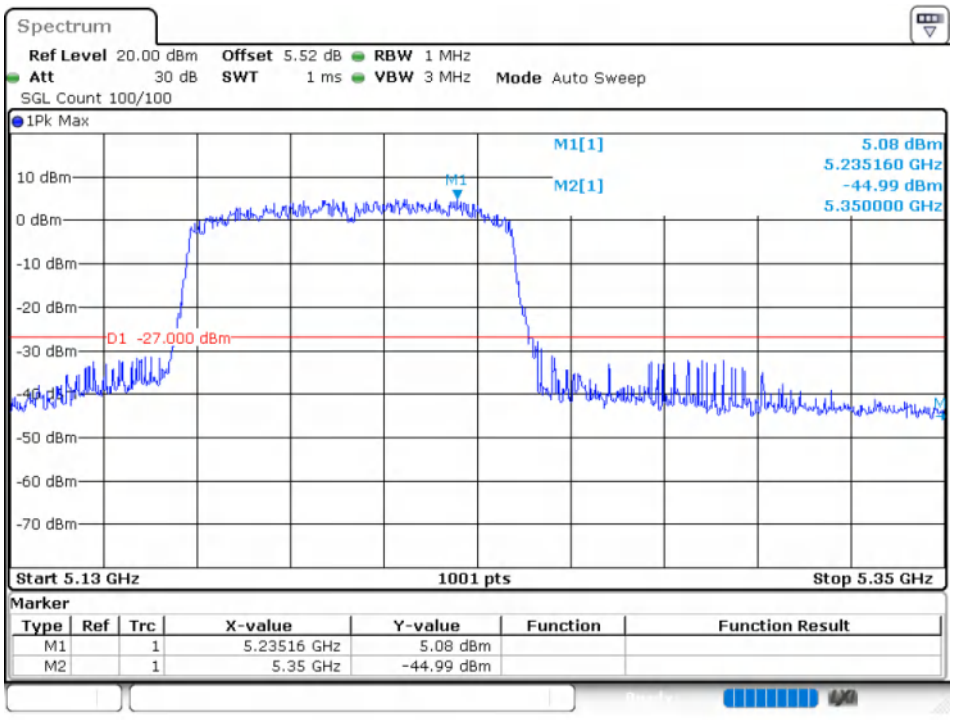
Band Edge NVNT ac40 5230MHz High Ant2



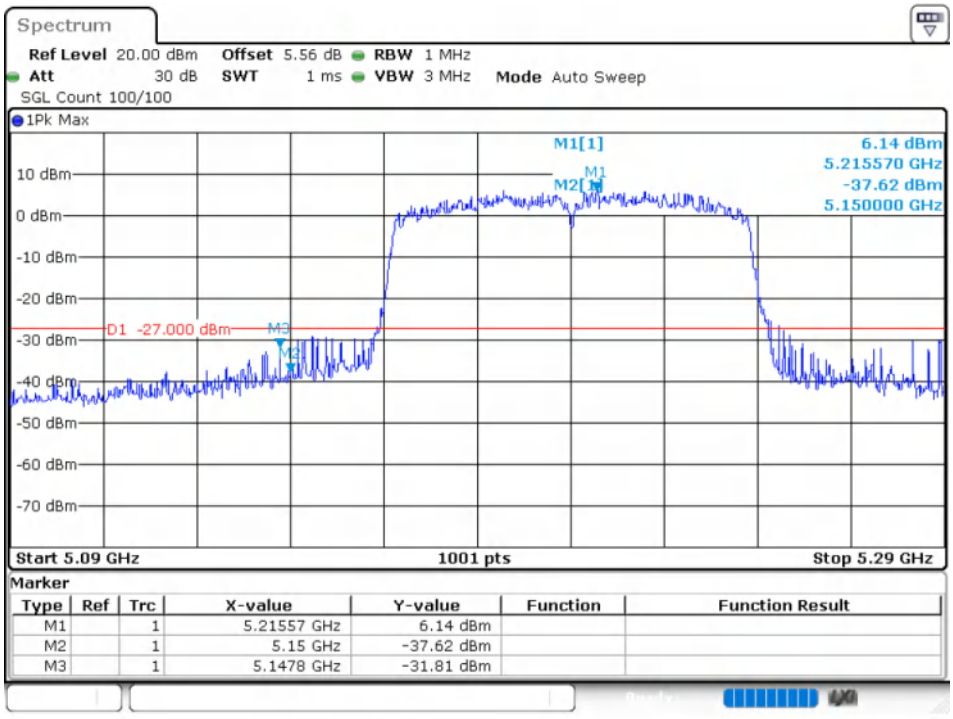
Band Edge NVNT ac80 5210MHz Low Ant1



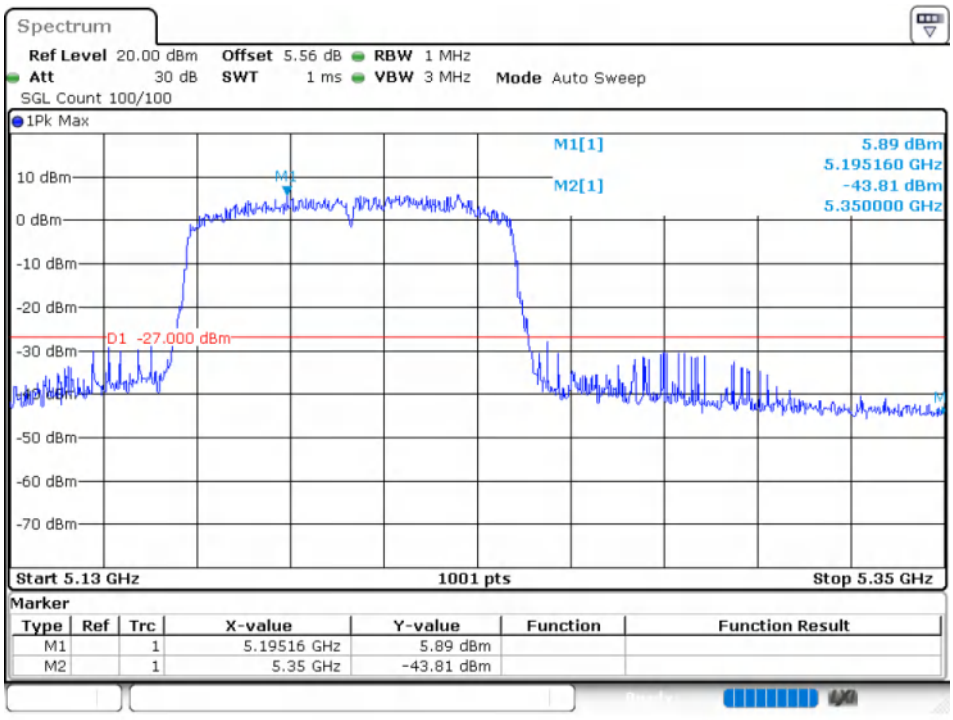
Band Edge NVNT ac80 5210MHz High Ant1



Band Edge NVNT ac80 5210MHz Low Ant2

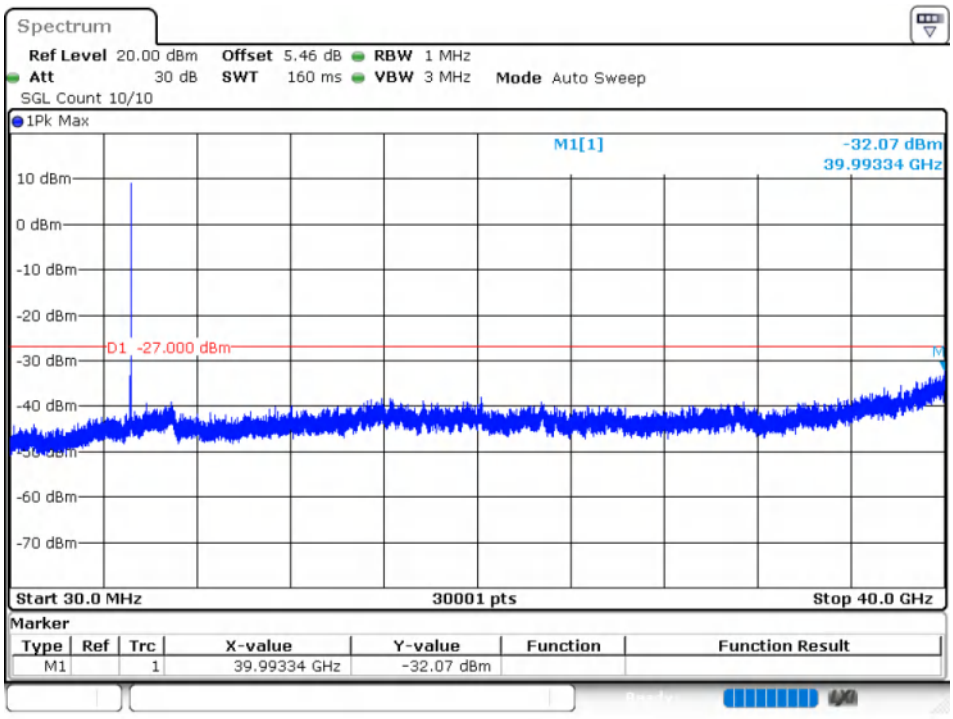
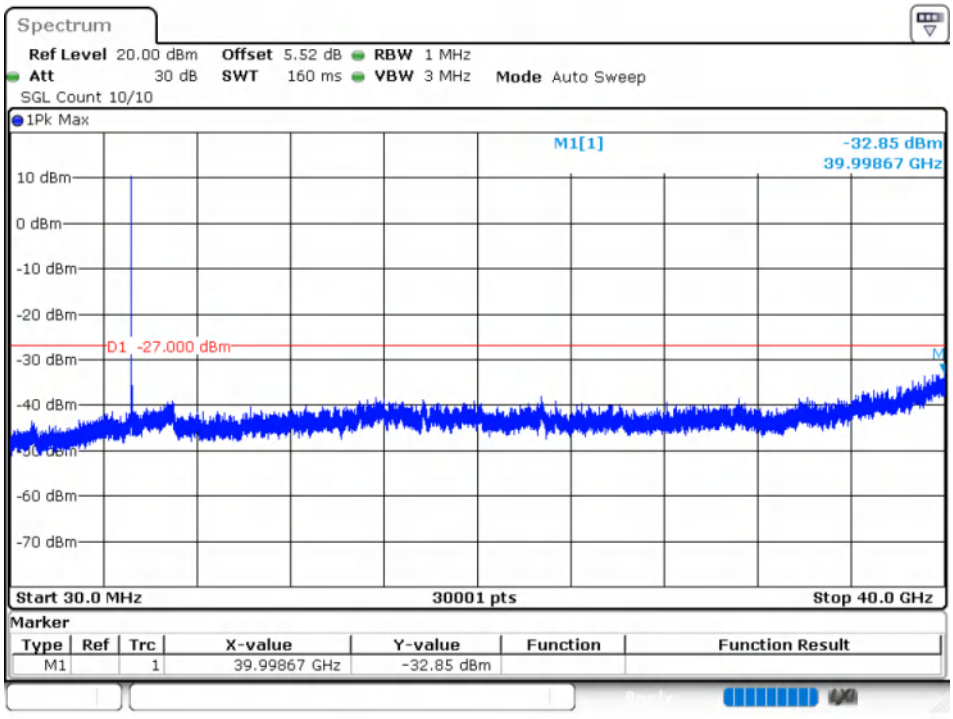


Band Edge NVNT ac80 5210MHz High Ant2

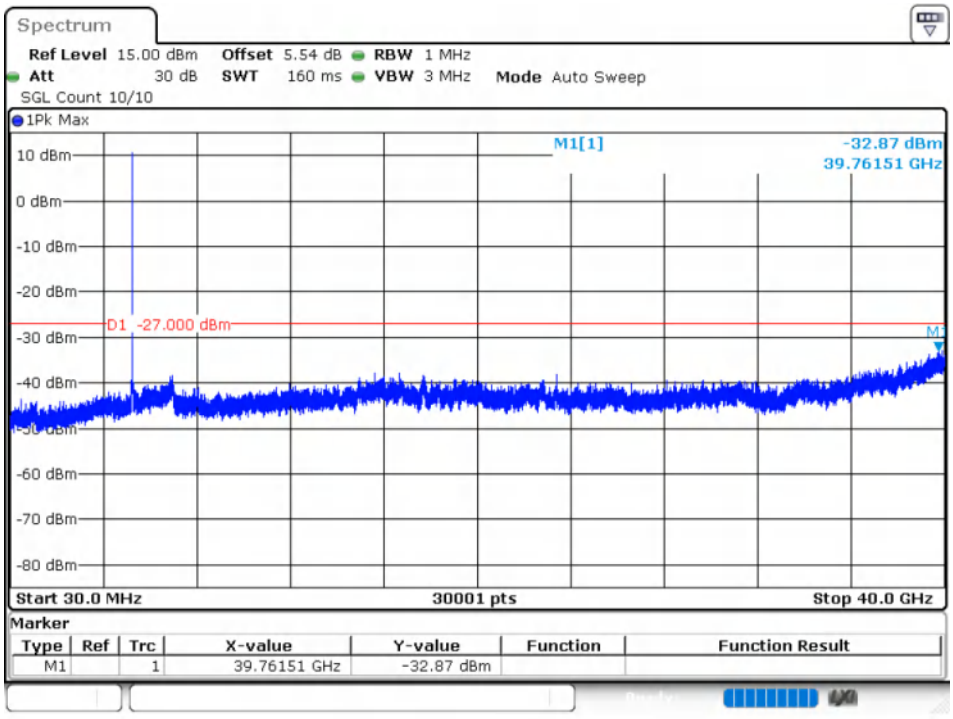


Conducted RF Spurious Emission

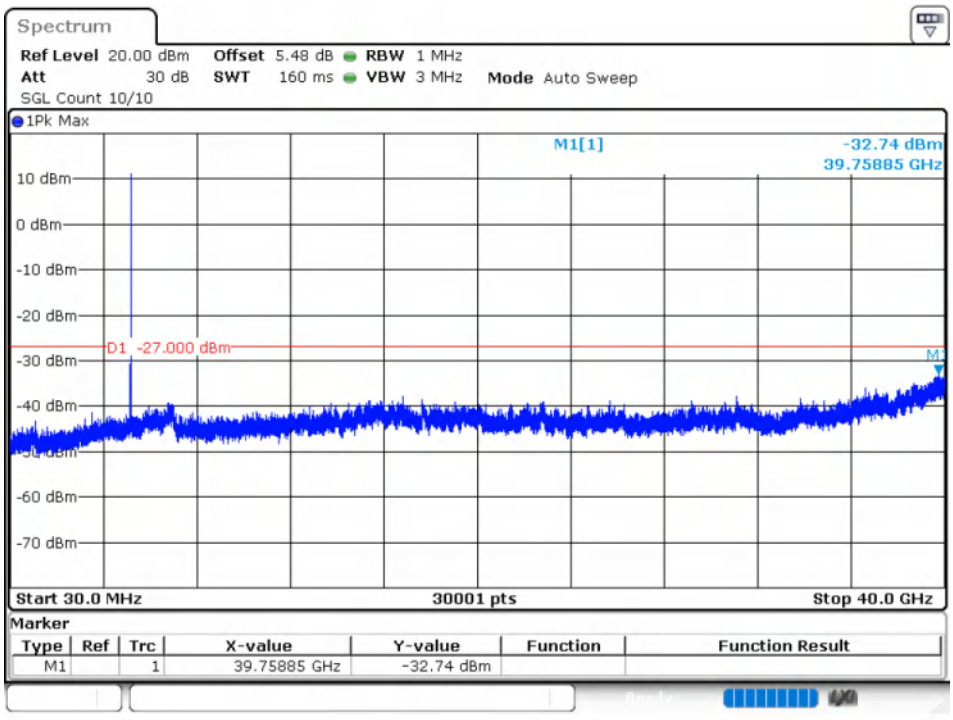
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-32.07	-27	Pass
NVNT	a	5200	Ant1	-32.85	-27	Pass
NVNT	a	5240	Ant1	-32.86	-27	Pass
NVNT	a	5180	Ant2	-32.74	-27	Pass
NVNT	a	5200	Ant2	-32.68	-27	Pass
NVNT	a	5240	Ant2	-32.7	-27	Pass
NVNT	n20	5180	Ant1	-32.33	-27	Pass
NVNT	n20	5200	Ant1	-32.78	-27	Pass
NVNT	n20	5240	Ant1	-32.95	-27	Pass
NVNT	n20	5180	Ant2	-32.9	-27	Pass
NVNT	n20	5200	Ant2	-32.74	-27	Pass
NVNT	n20	5240	Ant2	-32.66	-27	Pass
NVNT	n40	5190	Ant1	-32.76	-27	Pass
NVNT	n40	5230	Ant1	-33.26	-27	Pass
NVNT	n40	5190	Ant2	-32.95	-27	Pass
NVNT	n40	5230	Ant2	-32.34	-27	Pass
NVNT	ac20	5180	Ant1	-32.27	-27	Pass
NVNT	ac20	5200	Ant1	-33.07	-27	Pass
NVNT	ac20	5240	Ant1	-33.41	-27	Pass
NVNT	ac20	5180	Ant2	-32.84	-27	Pass
NVNT	ac20	5200	Ant2	-33.12	-27	Pass
NVNT	ac20	5240	Ant2	-32.52	-27	Pass
NVNT	ac40	5190	Ant1	-32.8	-27	Pass
NVNT	ac40	5230	Ant1	-33.31	-27	Pass
NVNT	ac40	5190	Ant2	-32.62	-27	Pass
NVNT	ac40	5230	Ant2	-31.46	-27	Pass
NVNT	ac80	5210	Ant1	-33.27	-27	Pass
NVNT	ac80	5210	Ant2	-33.1	-27	Pass

Test Graphs
Tx. Spurious NVNT a 5180MHz Ant1 Emission

Tx. Spurious NVNT a 5200MHz Ant1 Emission


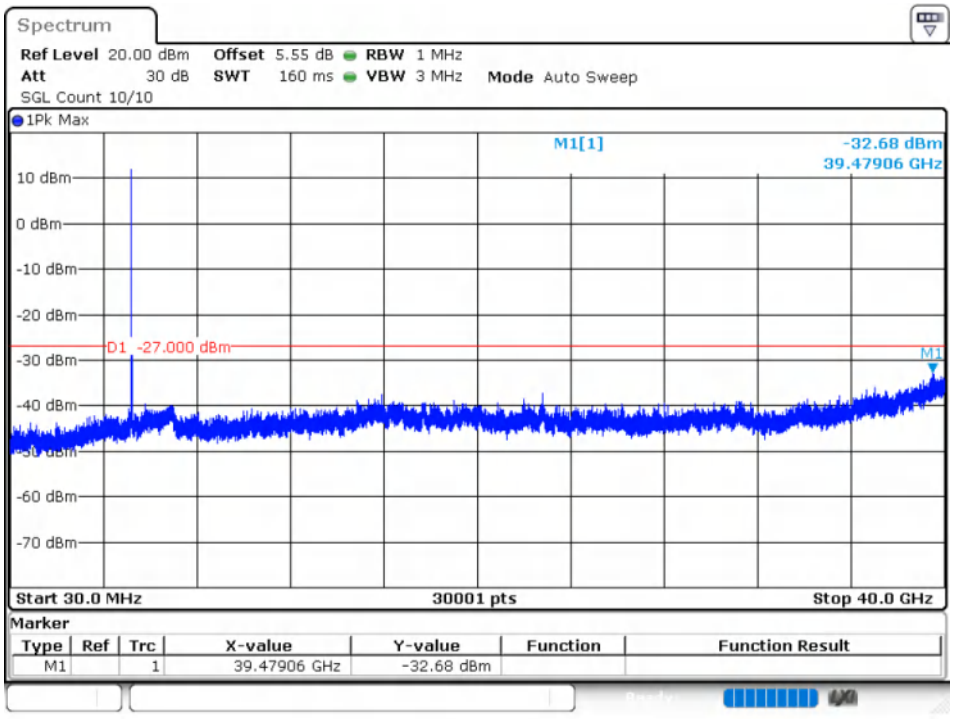
Tx. Spurious NVNT a 5240MHz Ant1 Emission



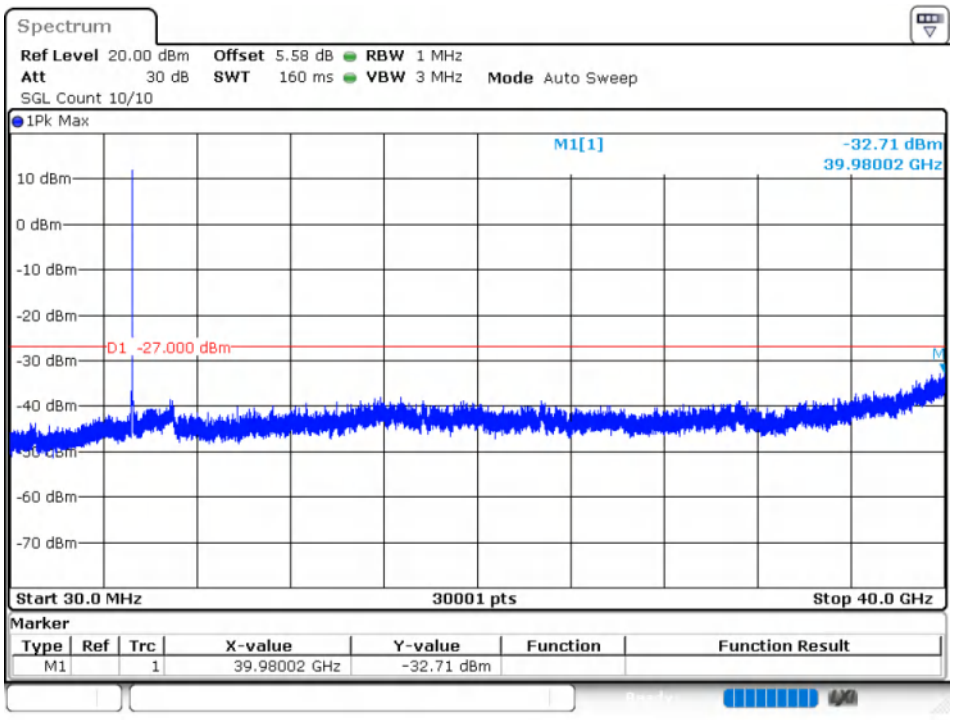
Tx. Spurious NVNT a 5180MHz Ant2 Emission



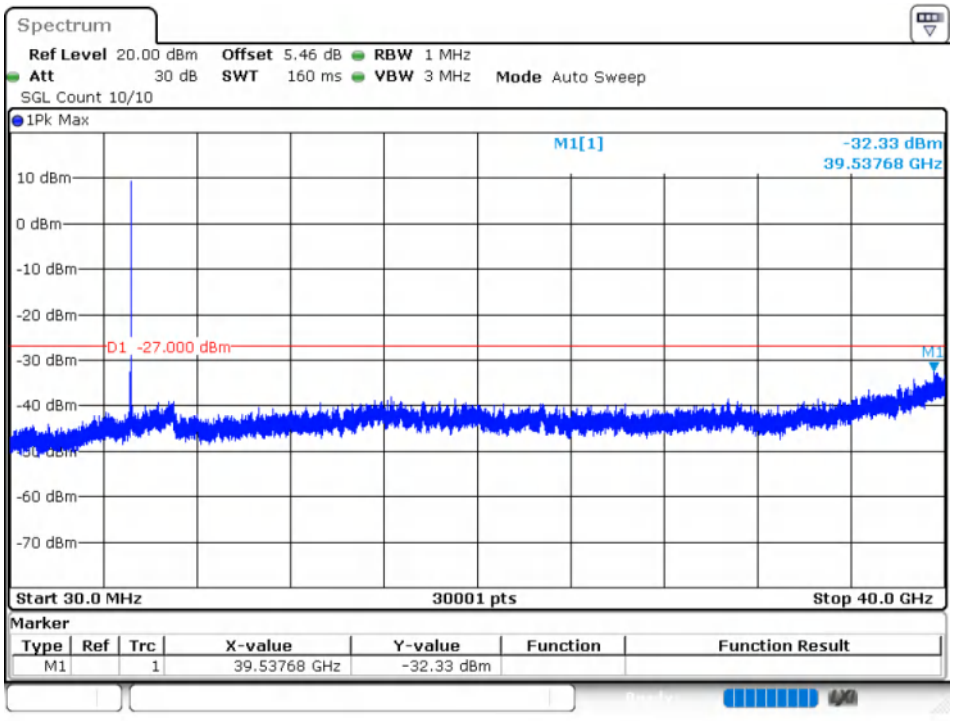
Tx. Spurious NVNT a 5200MHz Ant2 Emission



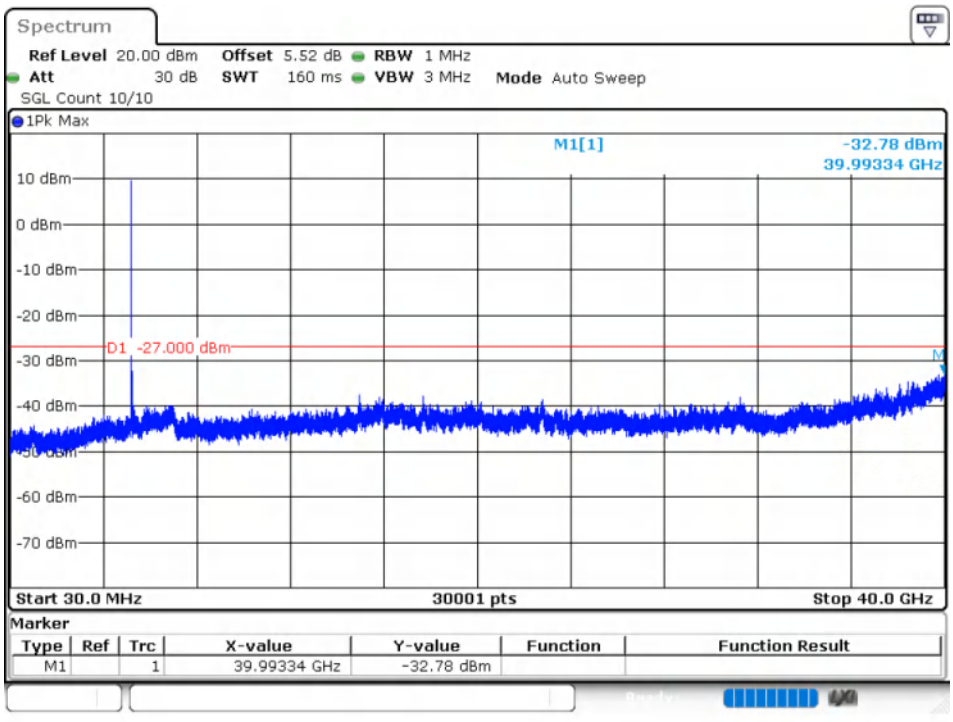
Tx. Spurious NVNT a 5240MHz Ant2 Emission



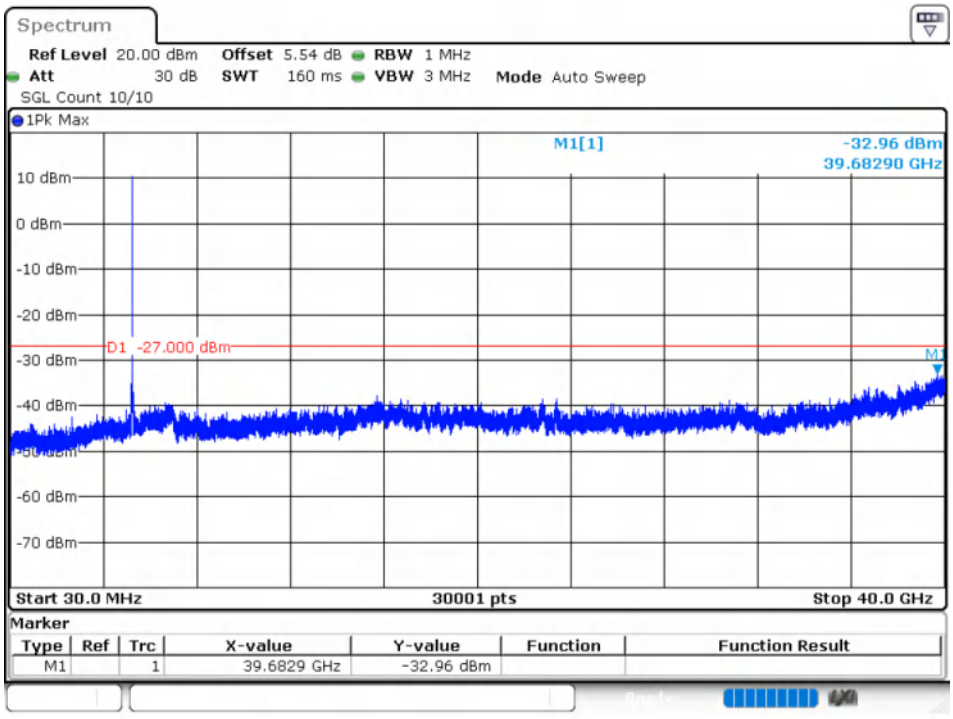
Tx. Spurious NVNT n20 5180MHz Ant1 Emission



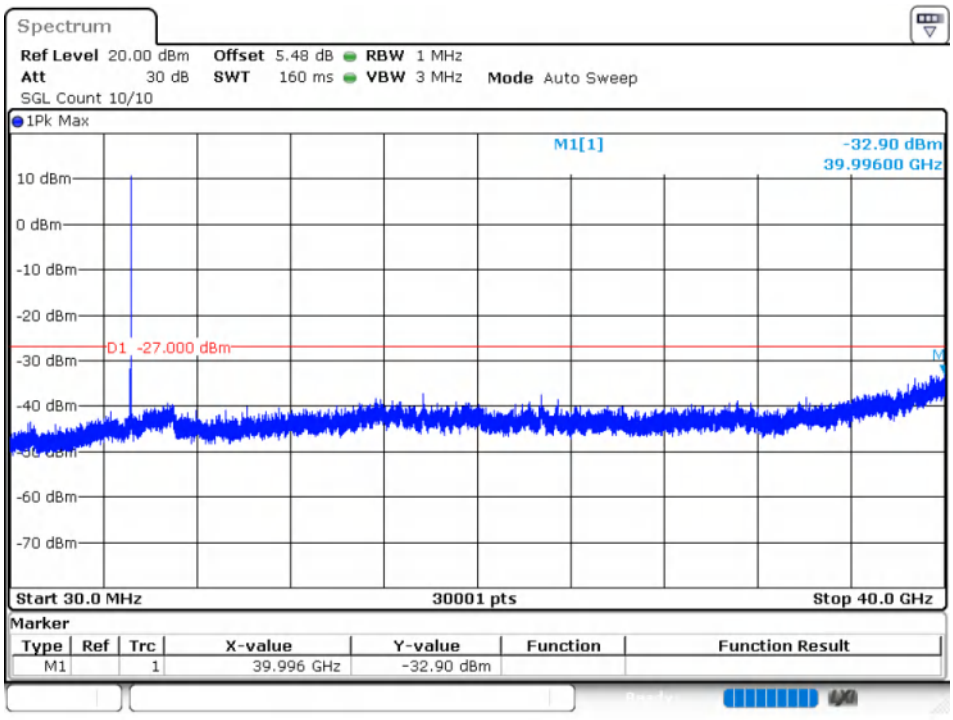
Tx. Spurious NVNT n20 5200MHz Ant1 Emission



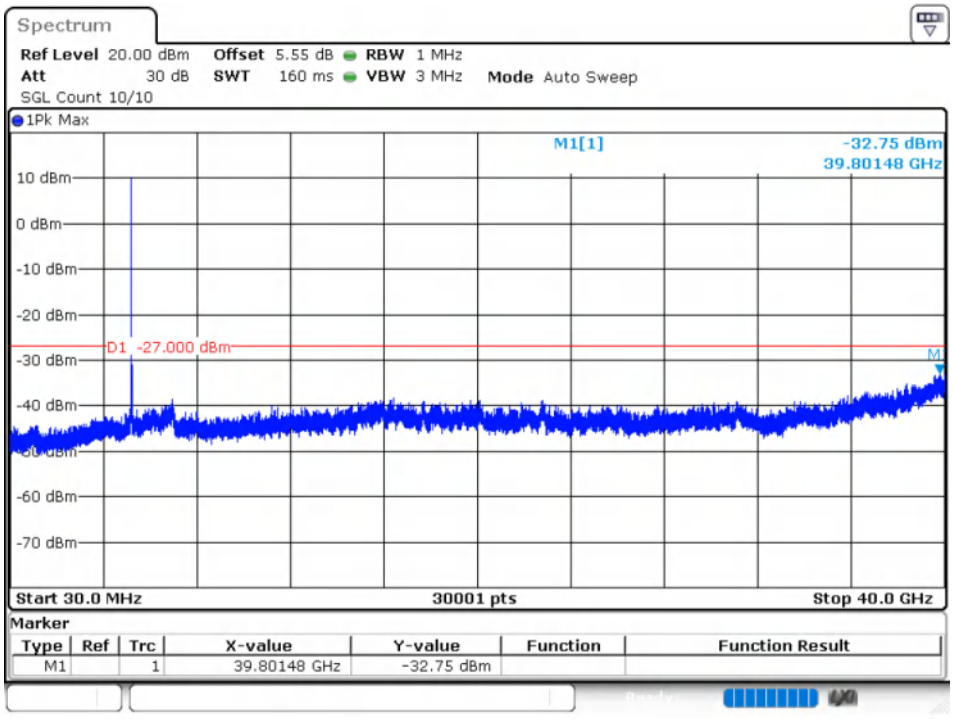
Tx. Spurious NVNT n20 5240MHz Ant1 Emission



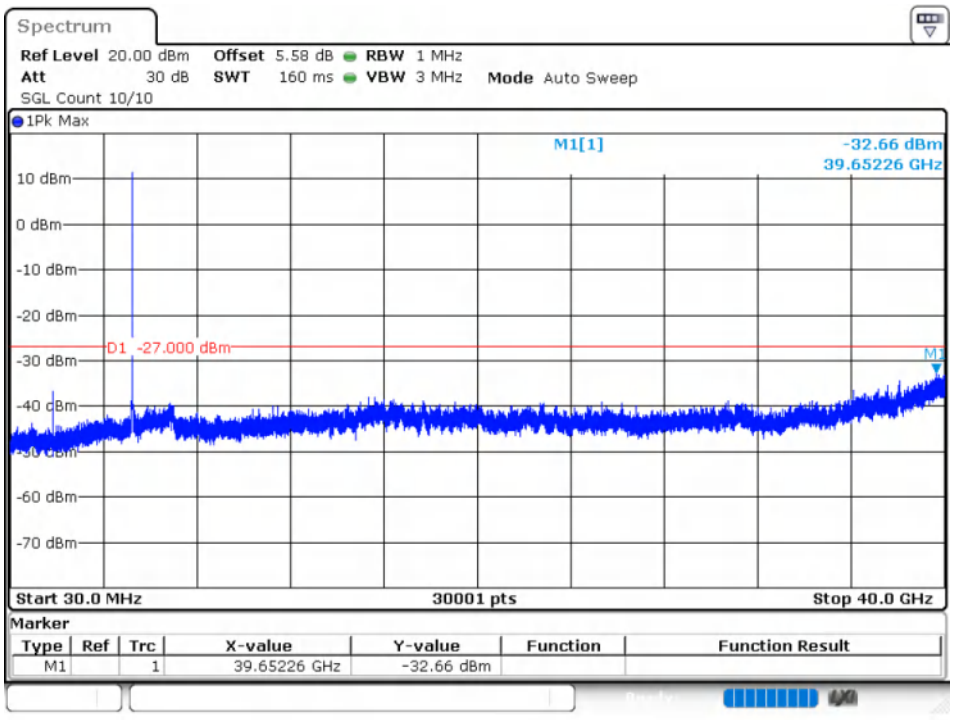
Tx. Spurious NVNT n20 5180MHz Ant2 Emission



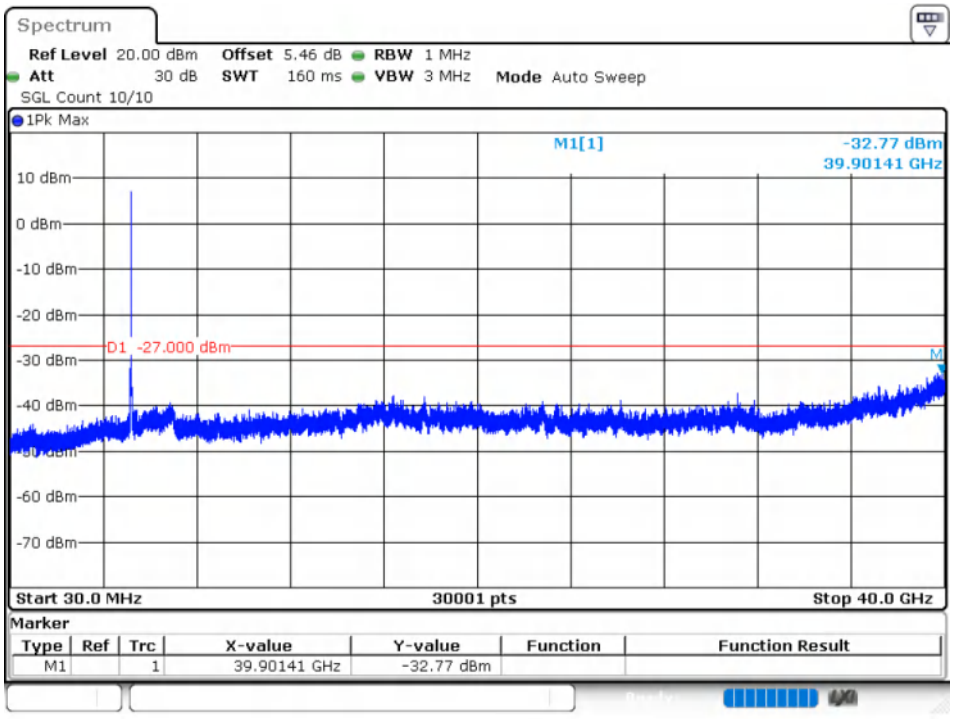
Tx. Spurious NVNT n20 5200MHz Ant2 Emission



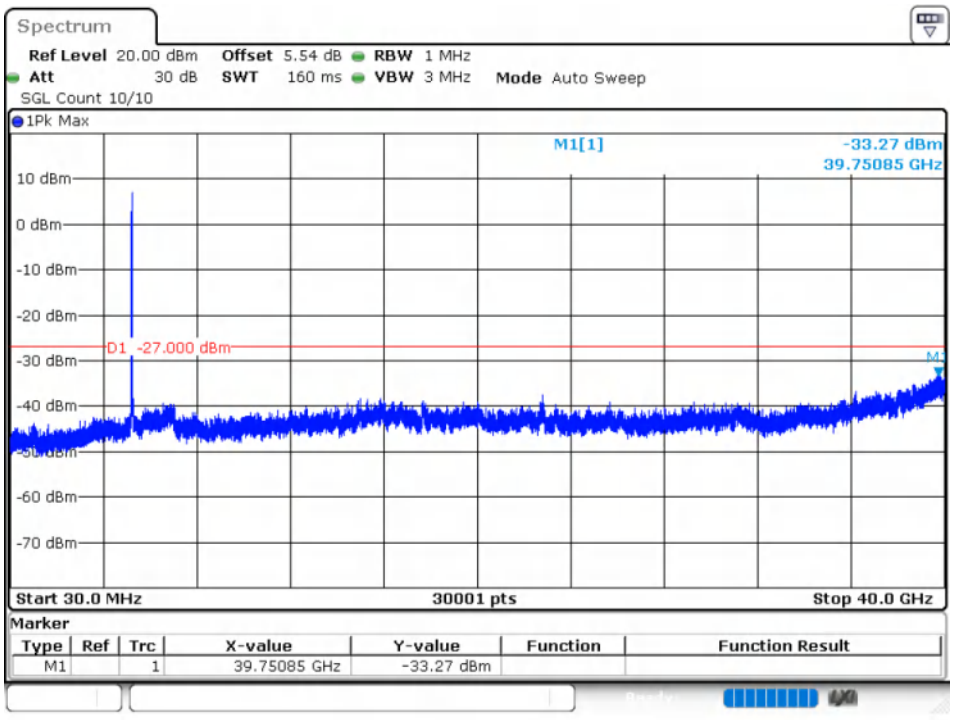
Tx. Spurious NVNT n20 5240MHz Ant2 Emission



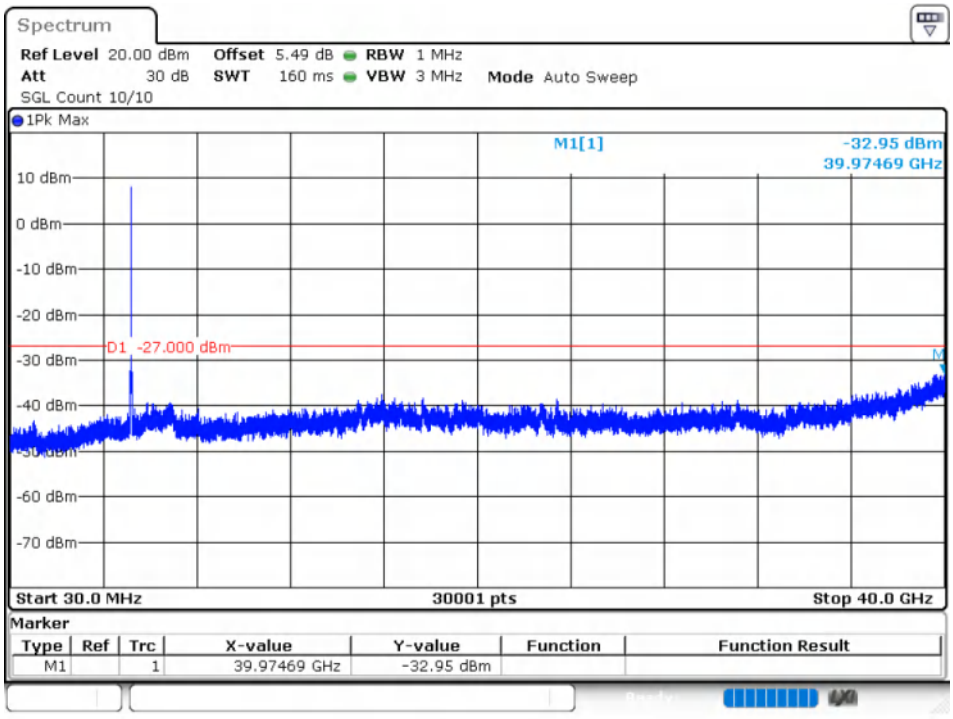
Tx. Spurious NVNT n40 5190MHz Ant1 Emission



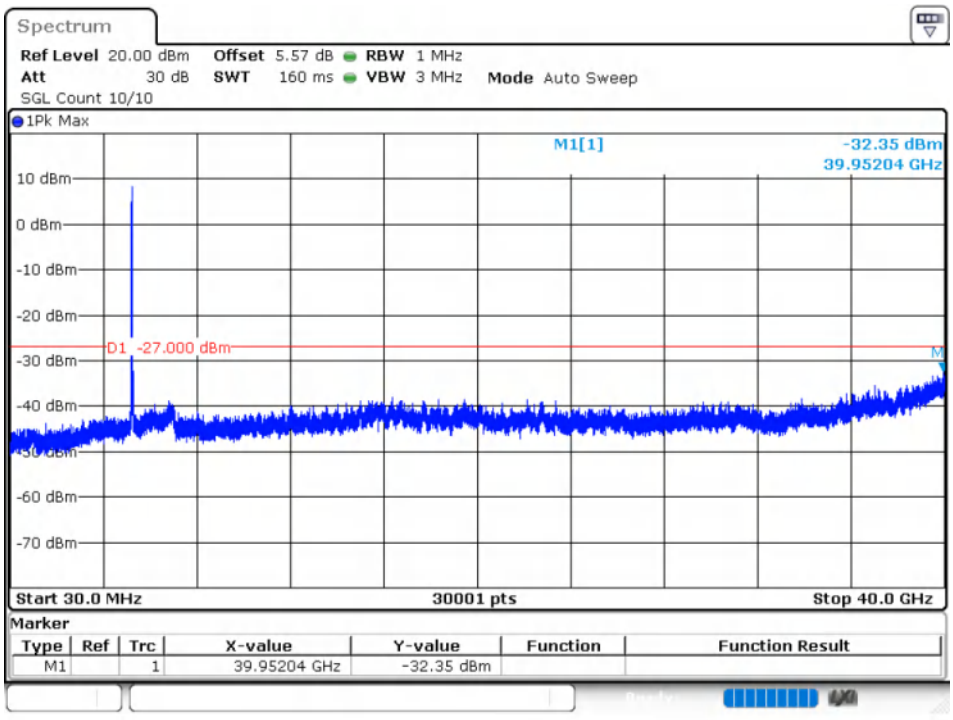
Tx. Spurious NVNT n40 5230MHz Ant1 Emission



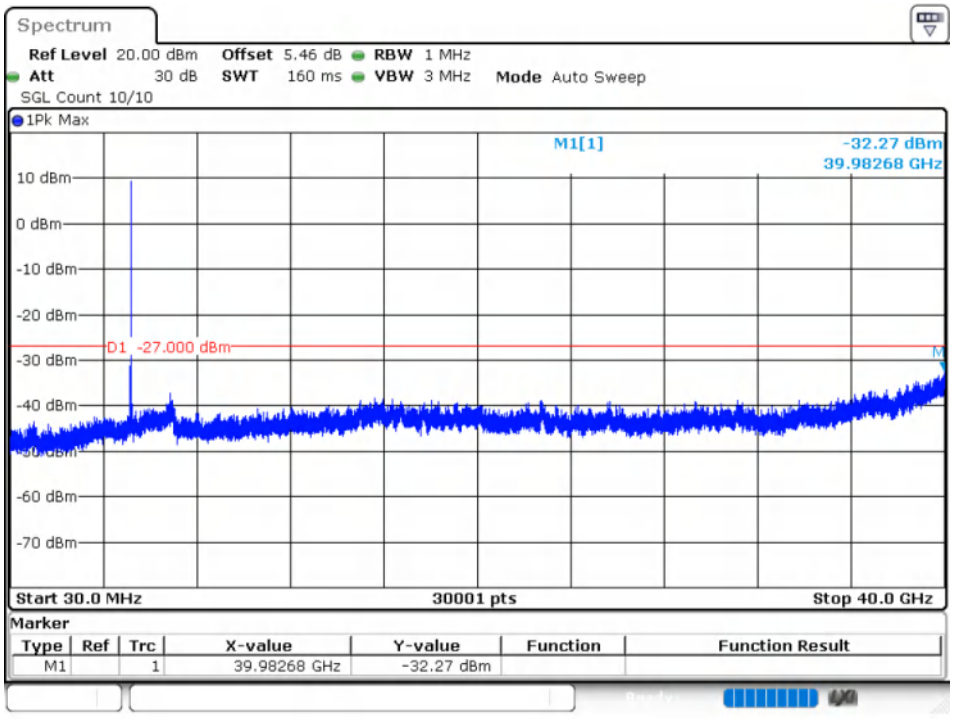
Tx. Spurious NVNT n40 5190MHz Ant2 Emission



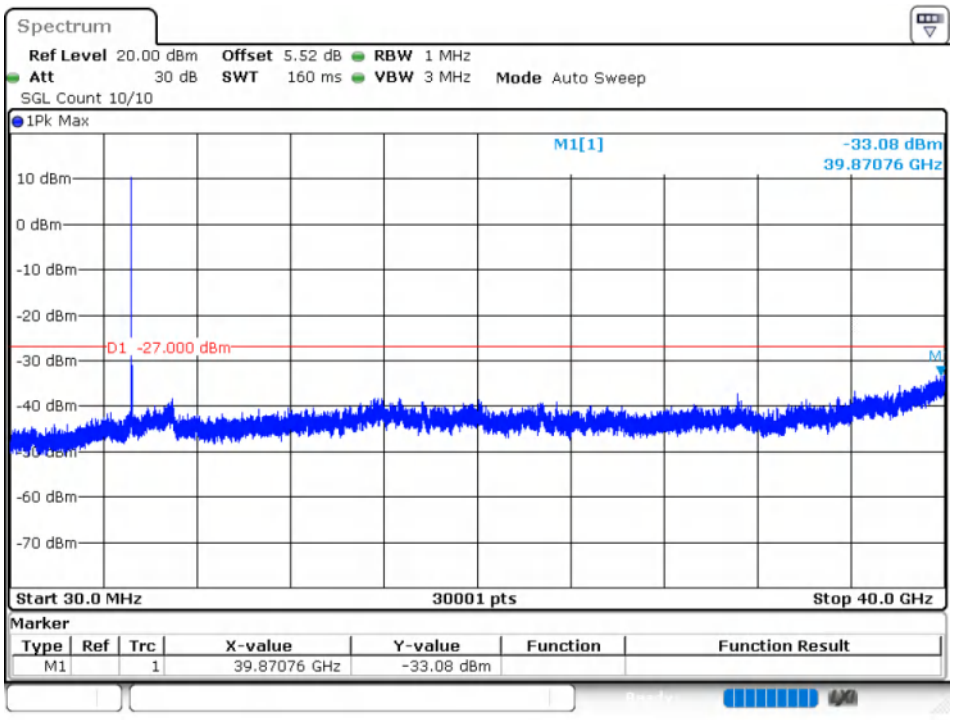
Tx. Spurious NVNT n40 5230MHz Ant2 Emission



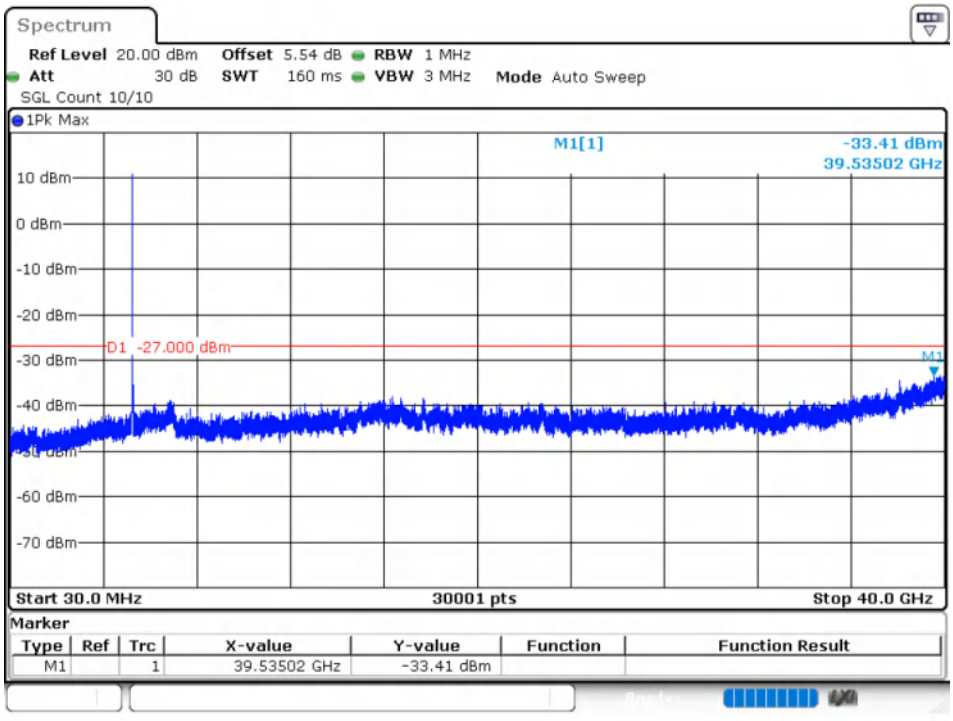
Tx. Spurious NVNT ac20 5180MHz Ant1 Emission



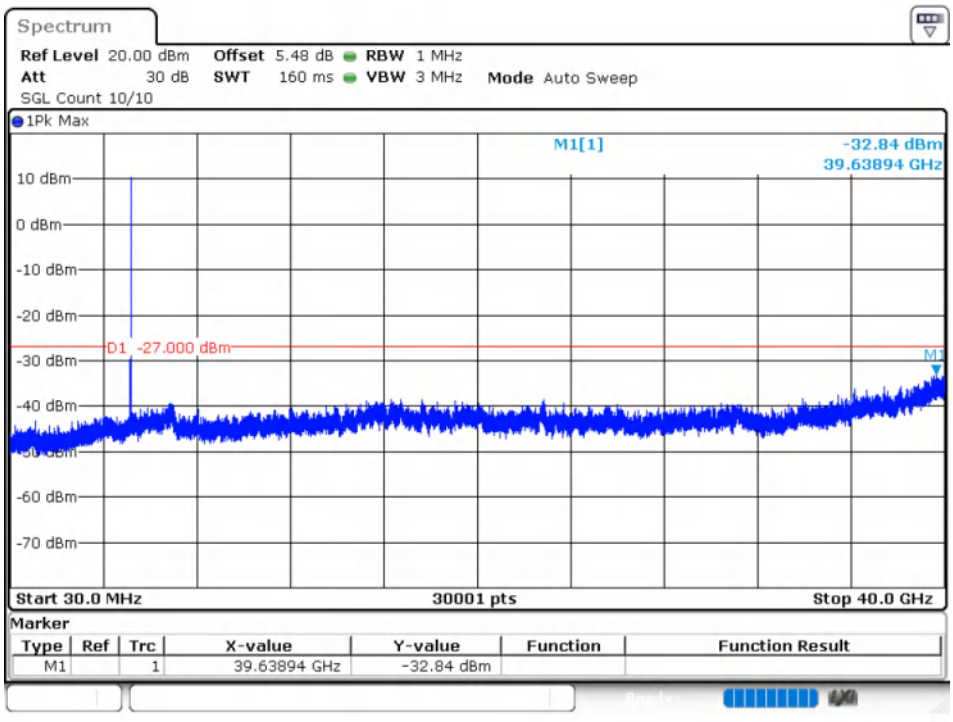
Tx. Spurious NVNT ac20 5200MHz Ant1 Emission



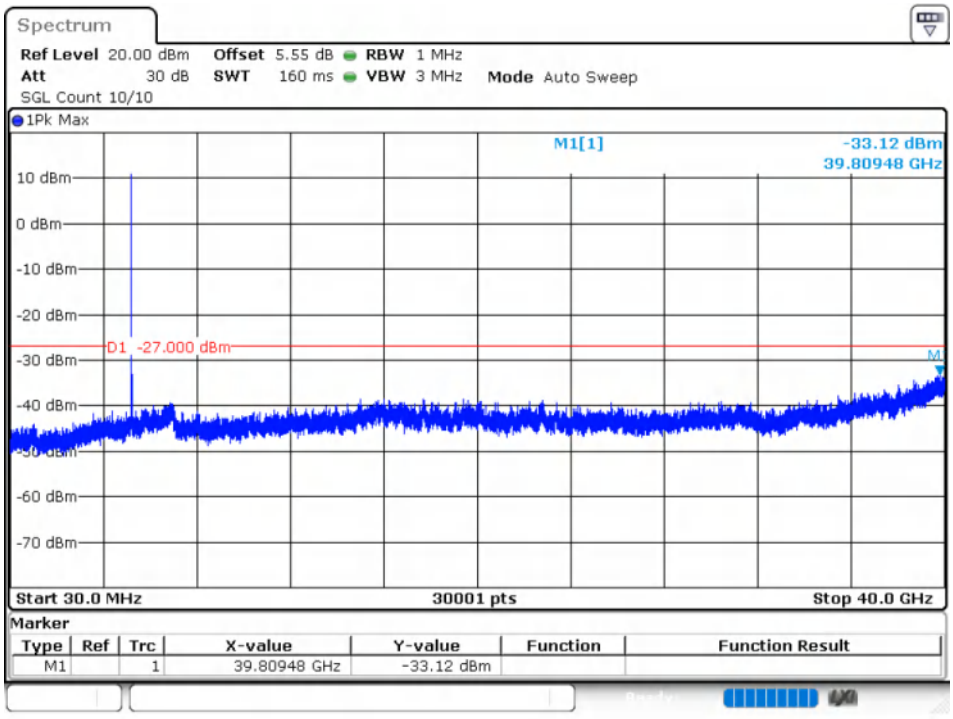
Tx. Spurious NVNT ac20 5240MHz Ant1 Emission



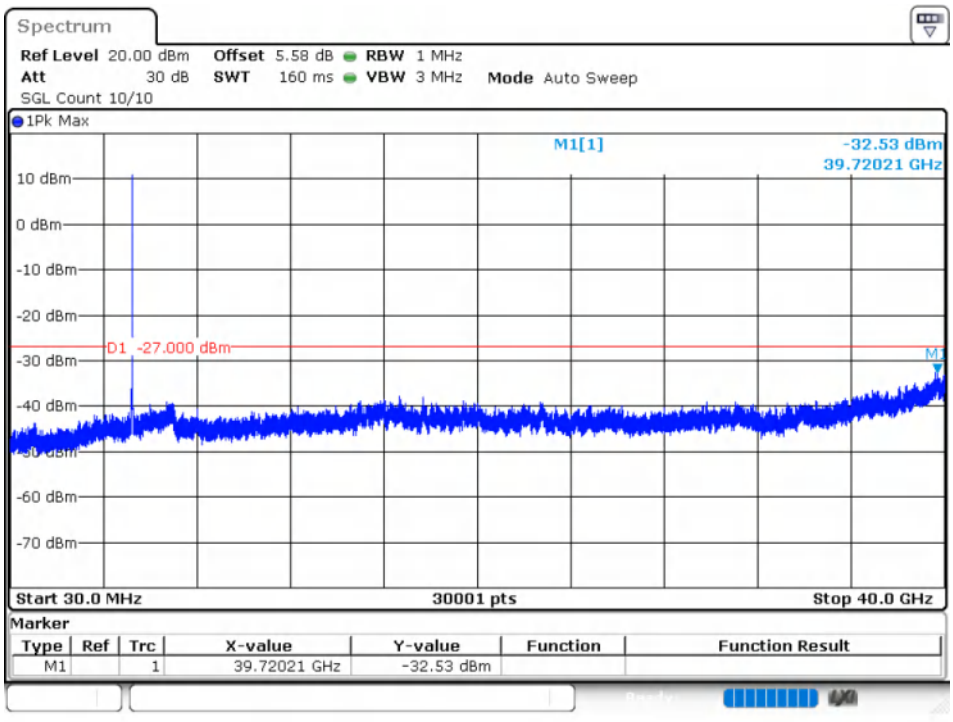
Tx. Spurious NVNT ac20 5180MHz Ant2 Emission



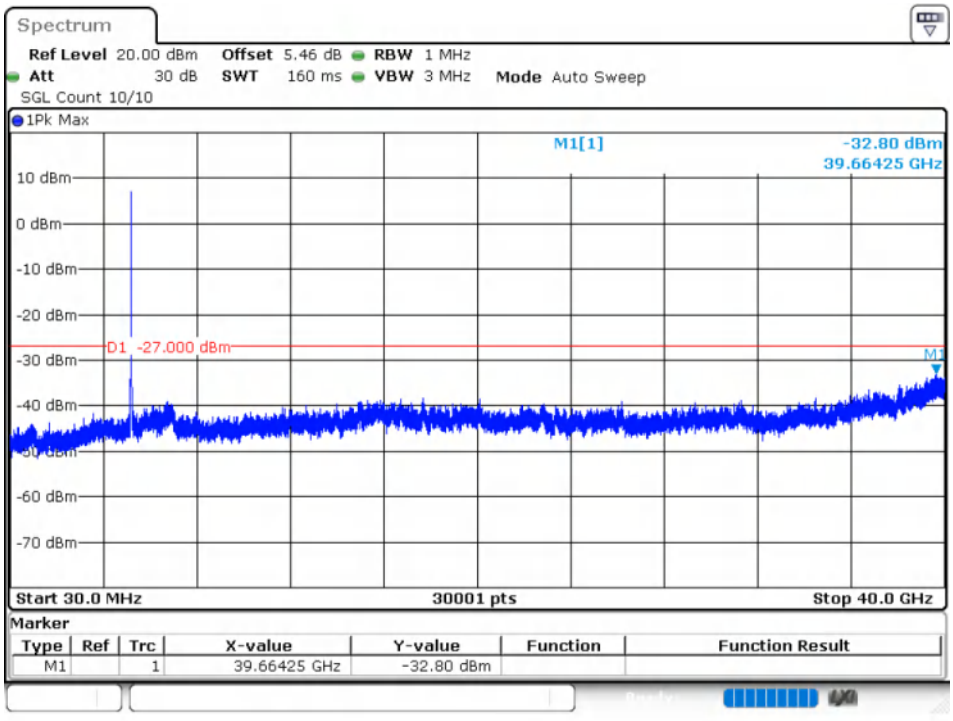
Tx. Spurious NVNT ac20 5200MHz Ant2 Emission



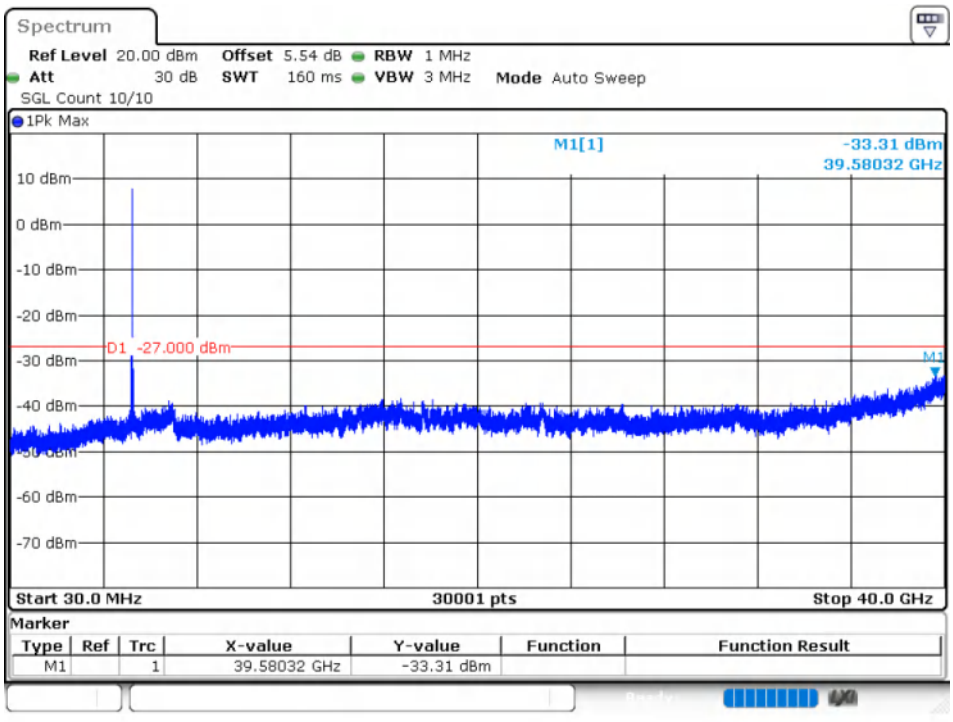
Tx. Spurious NVNT ac20 5240MHz Ant2 Emission



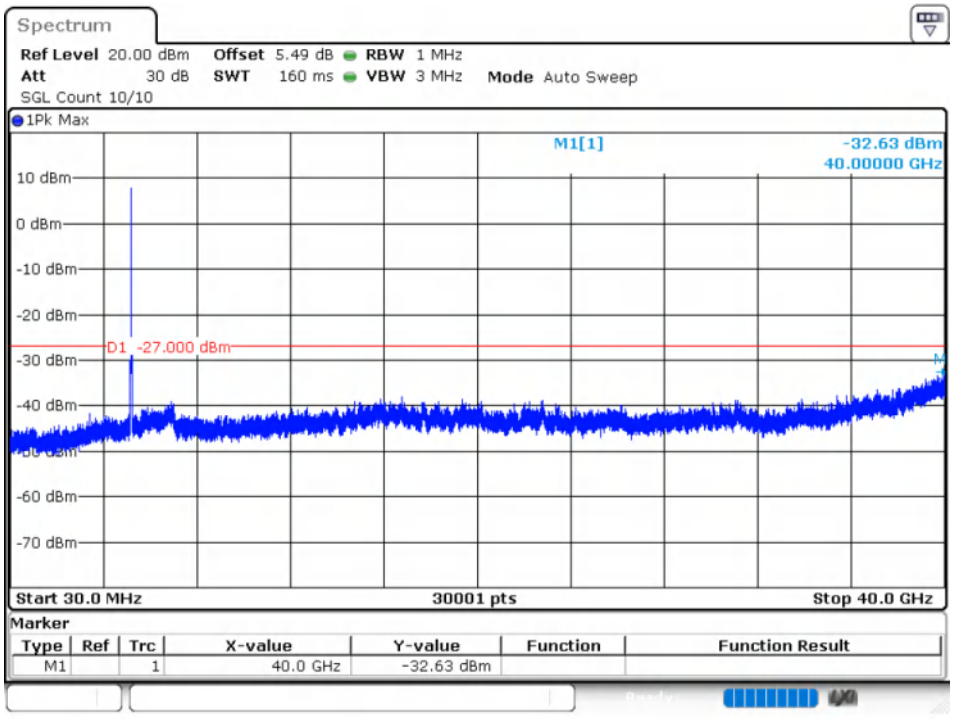
Tx. Spurious NVNT ac40 5190MHz Ant1 Emission



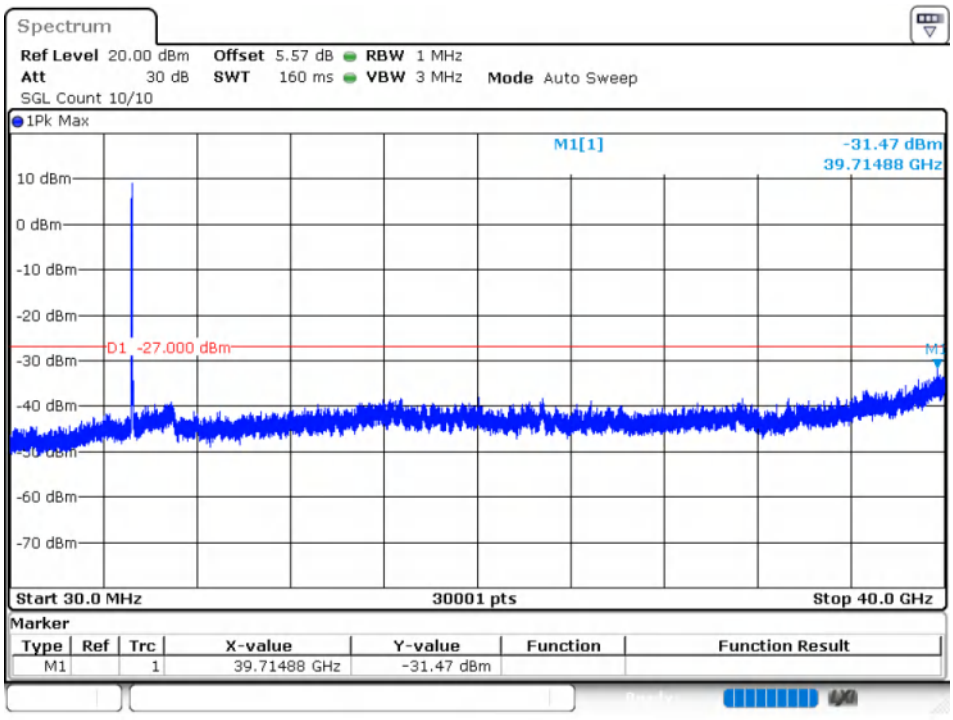
Tx. Spurious NVNT ac40 5230MHz Ant1 Emission



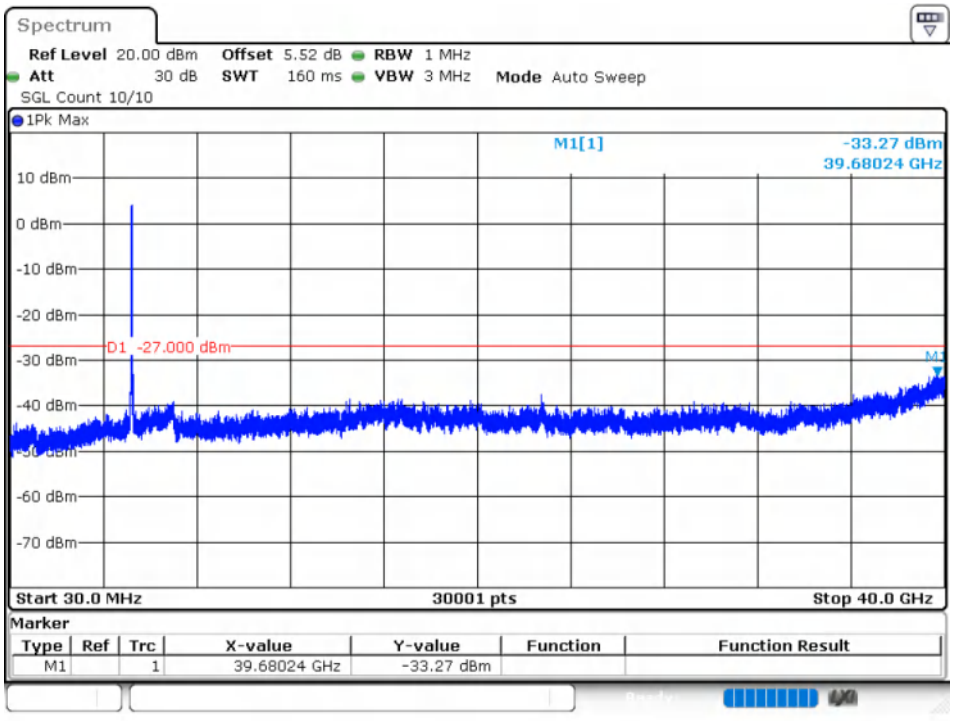
Tx. Spurious NVNT ac40 5190MHz Ant2 Emission



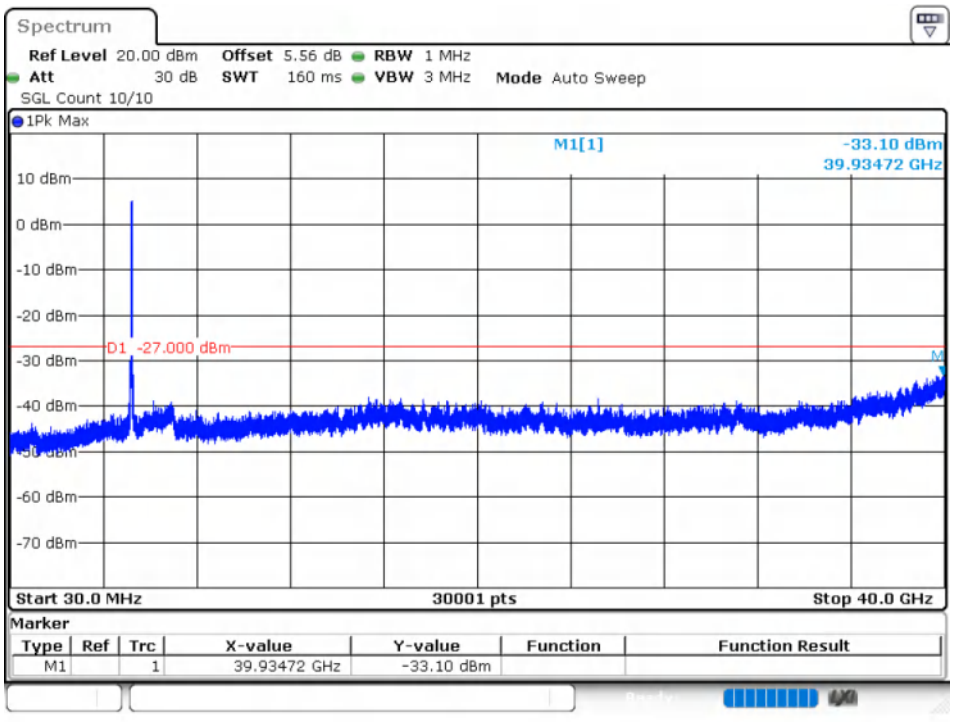
Tx. Spurious NVNT ac40 5230MHz Ant2 Emission



Tx. Spurious NVNT ac80 5210MHz Ant1 Emission



Tx. Spurious NVNT ac80 5210MHz Ant2 Emission

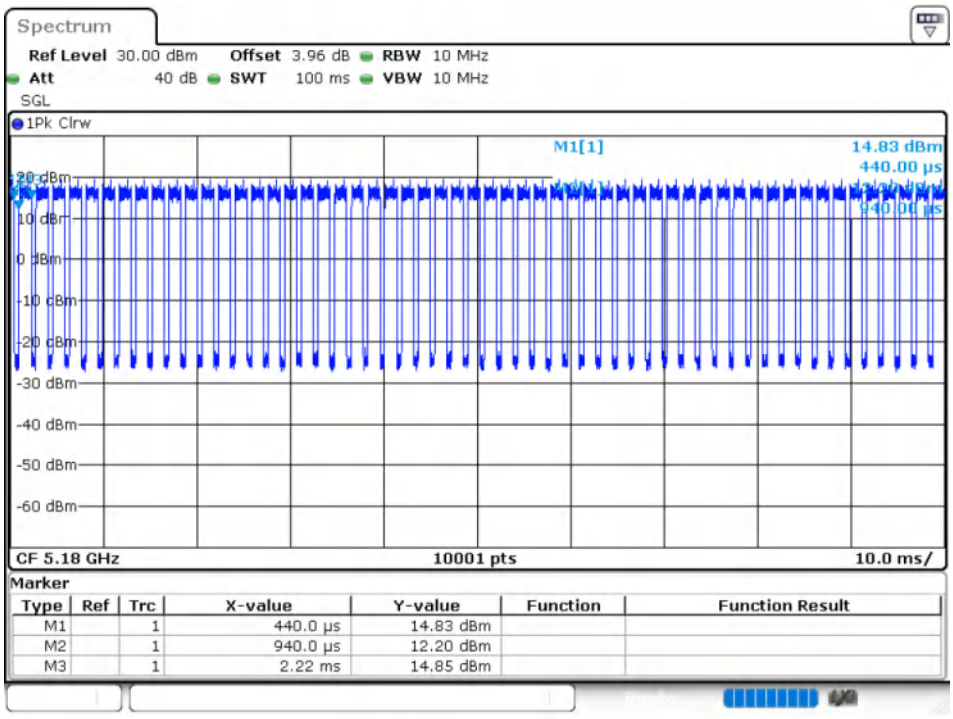


5.2G WIFI MIMO

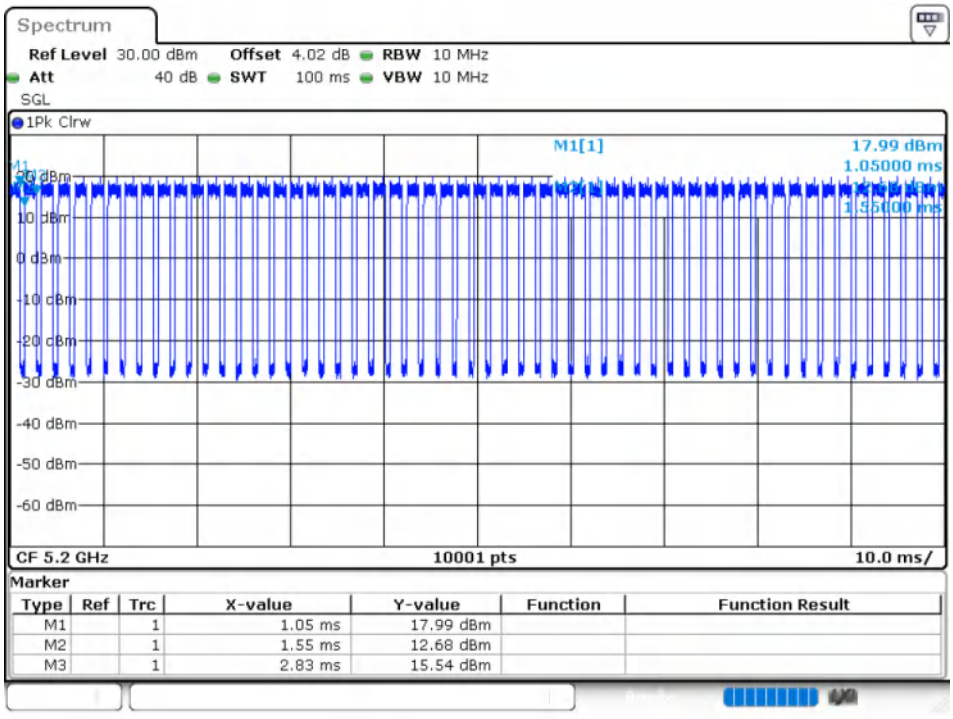
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	ac20	5180	Sum	72.44	1.4	0.78
NVNT	ac20	5200	Sum	72.43	1.4	0.78
NVNT	ac20	5240	Sum	72.43	1.4	0.79
NVNT	ac40	5190	Sum	56.49	2.48	1.59
NVNT	ac40	5230	Sum	56.49	2.48	1.59
NVNT	ac80	5210	Sum	39.82	4	3.13
NVNT	n20	5180	Sum	72.42	1.4	0.79
NVNT	n20	5200	Sum	72.43	1.4	0.79
NVNT	n20	5240	Sum	72.35	1.41	0.78
NVNT	n40	5190	Sum	56.68	2.47	1.59
NVNT	n40	5230	Sum	56.55	2.48	1.56

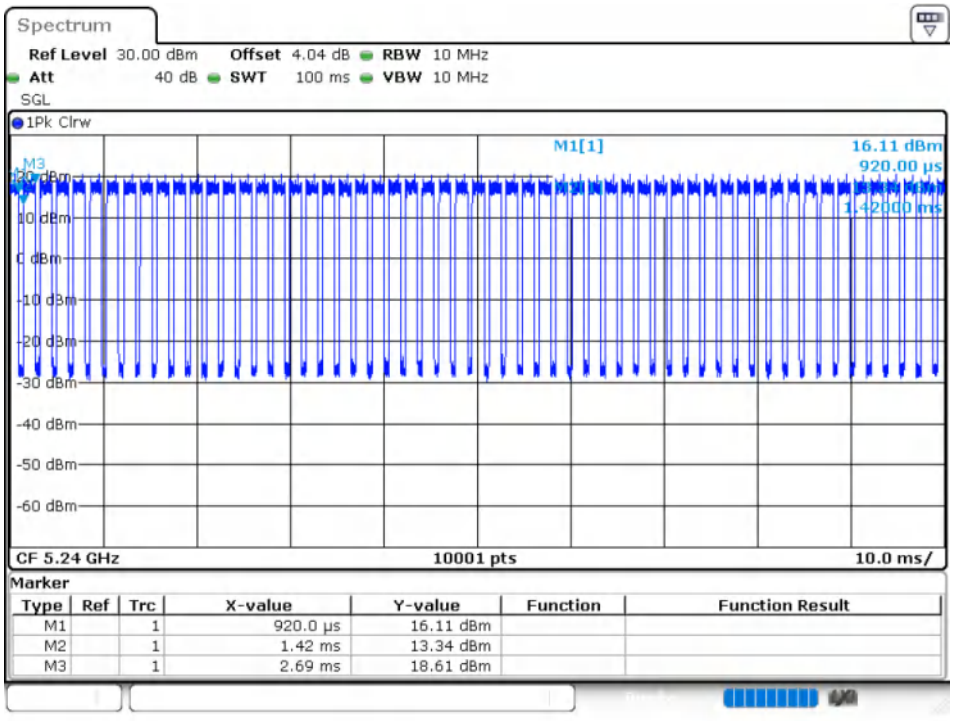
Test Graphs
Duty Cycle NVNT ac20 5180MHz Sum



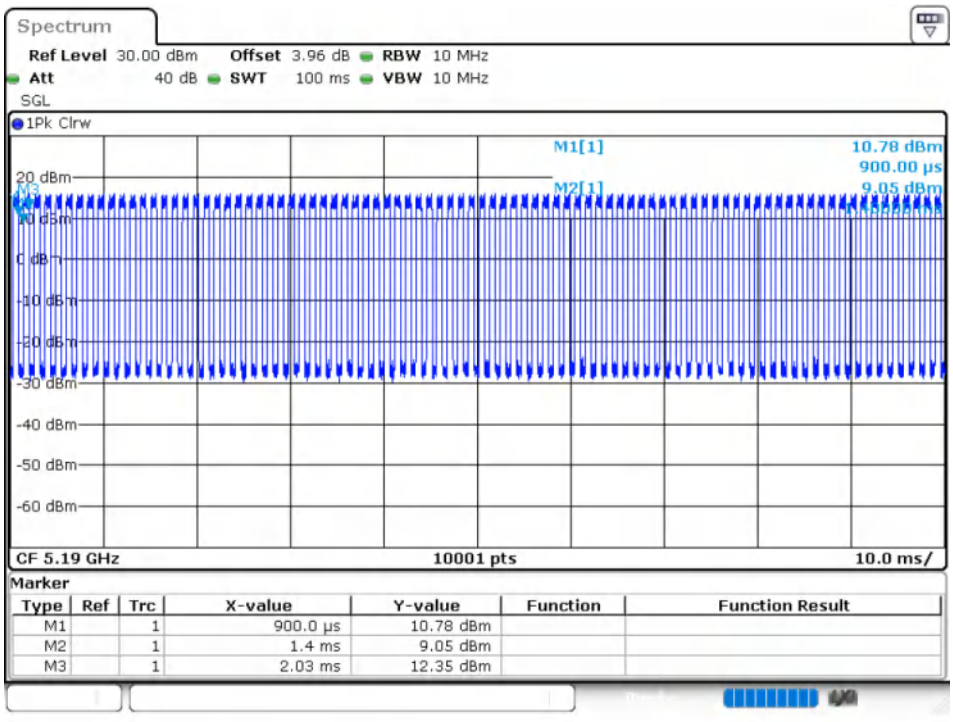
Duty Cycle NVNT ac20 5200MHz Sum



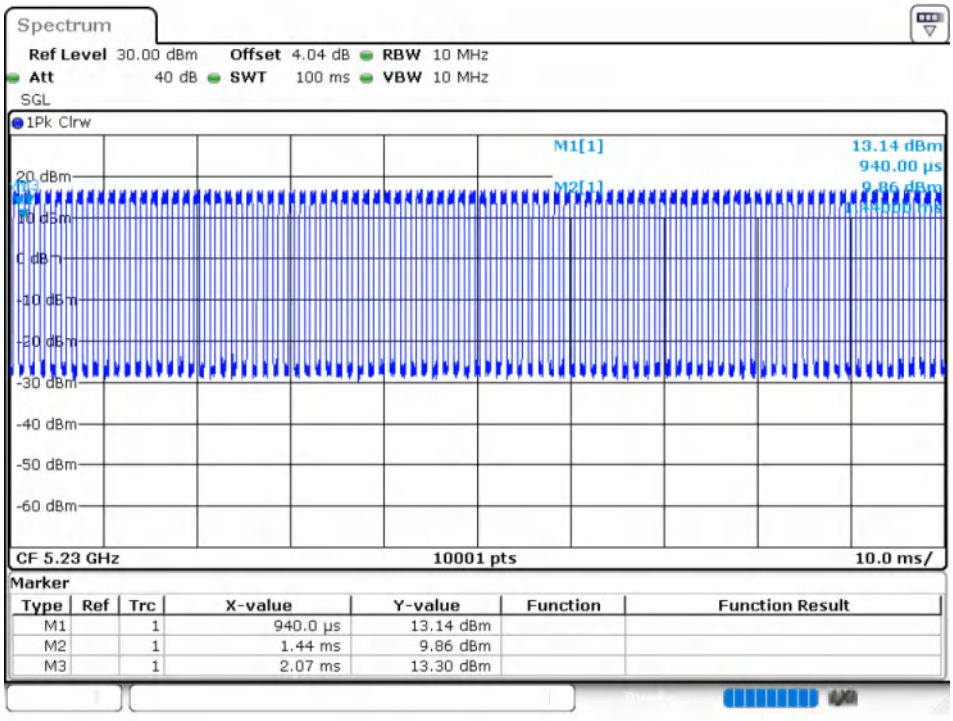
Duty Cycle NVNT ac20 5240MHz Sum



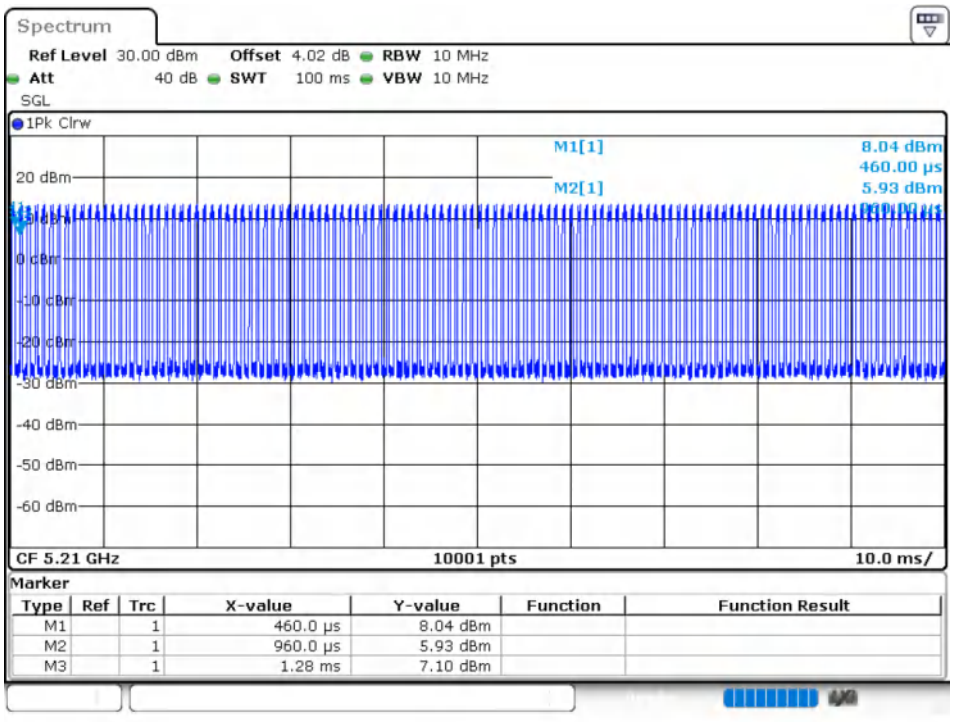
Duty Cycle NVNT ac40 5190MHz Sum



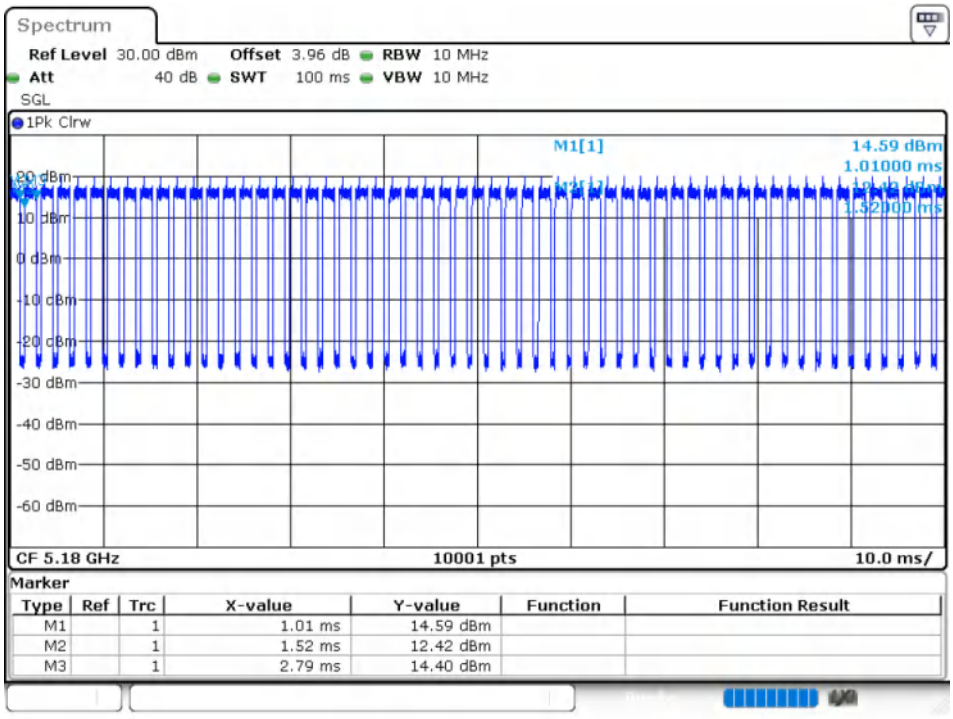
Duty Cycle NVNT ac40 5230MHz Sum



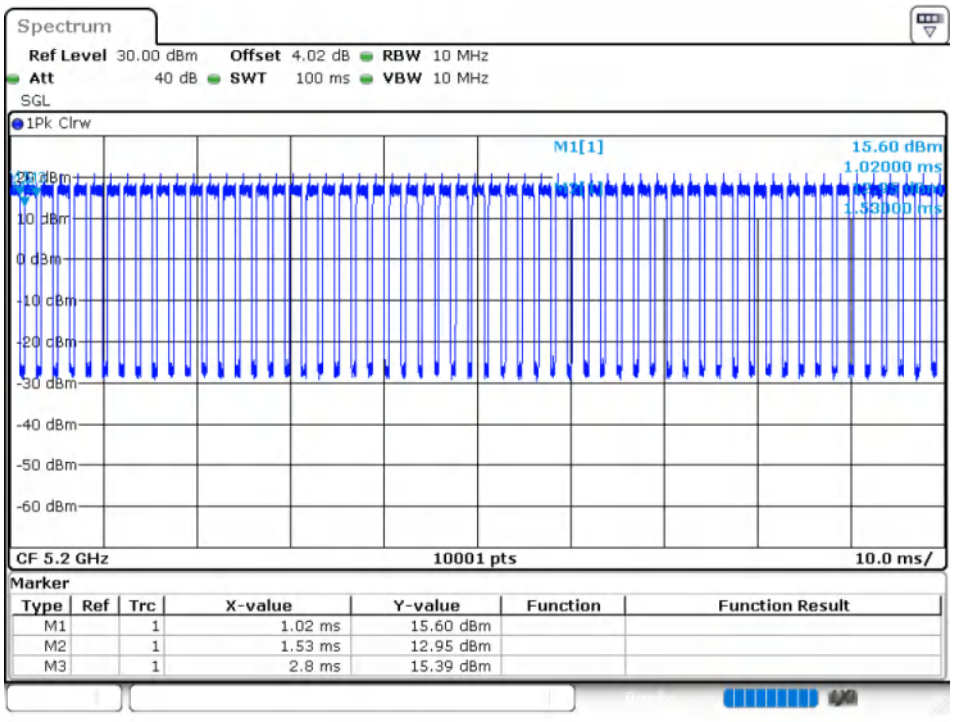
Duty Cycle NVNT ac80 5210MHz Sum



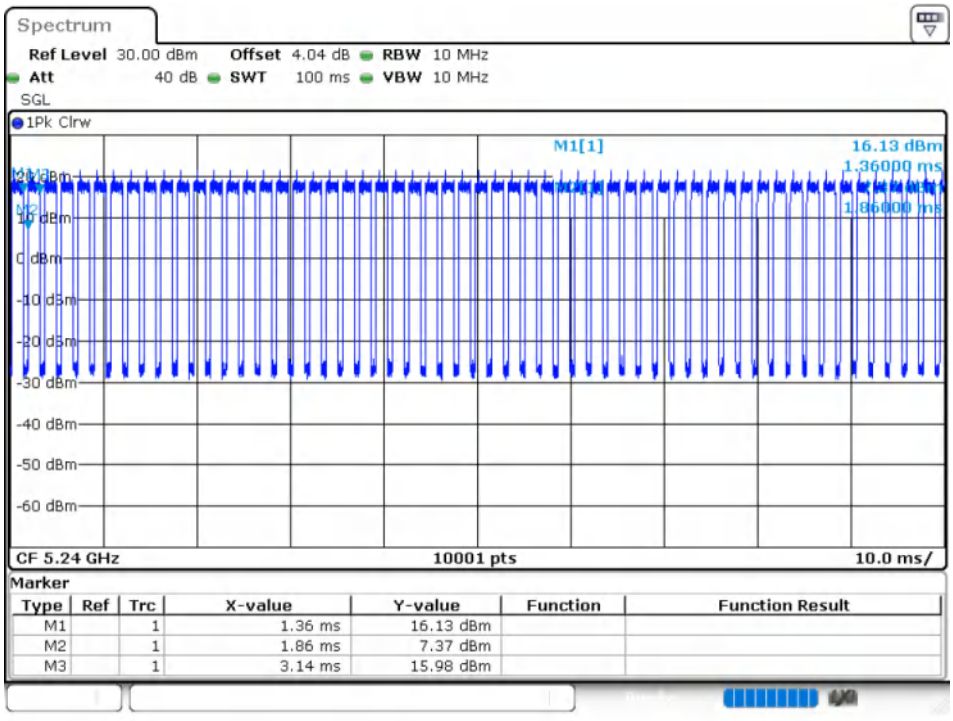
Duty Cycle NVNT n20 5180MHz Sum



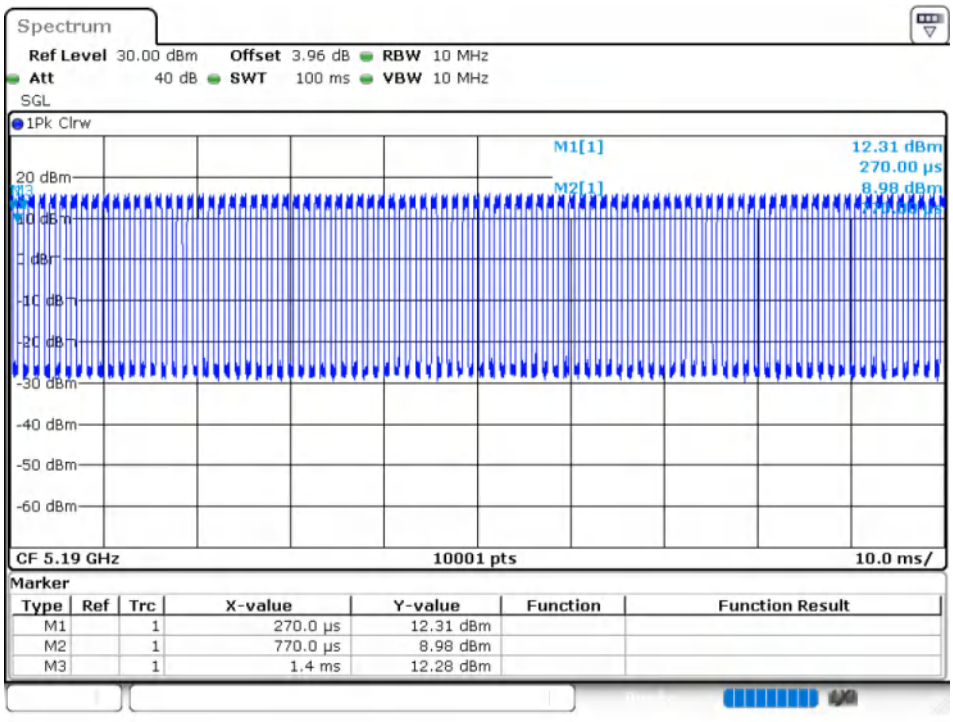
Duty Cycle NVNT n20 5200MHz Sum



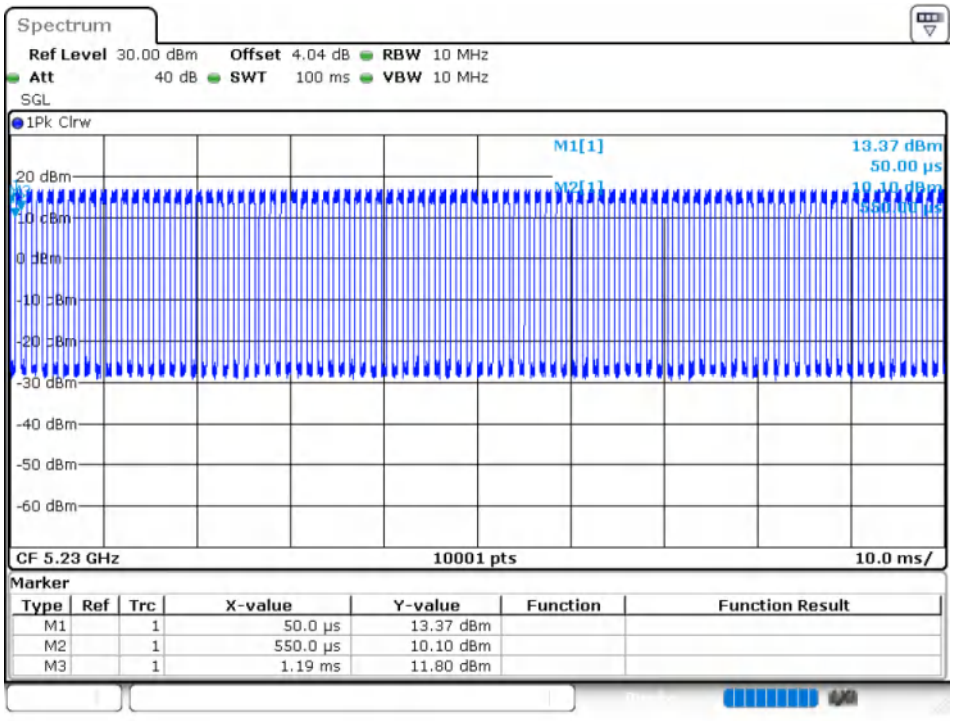
Duty Cycle NVNT n20 5240MHz Sum



Duty Cycle NVNT n40 5190MHz Sum



Duty Cycle NVNT n40 5230MHz Sum



Maximum Conducted Output Power

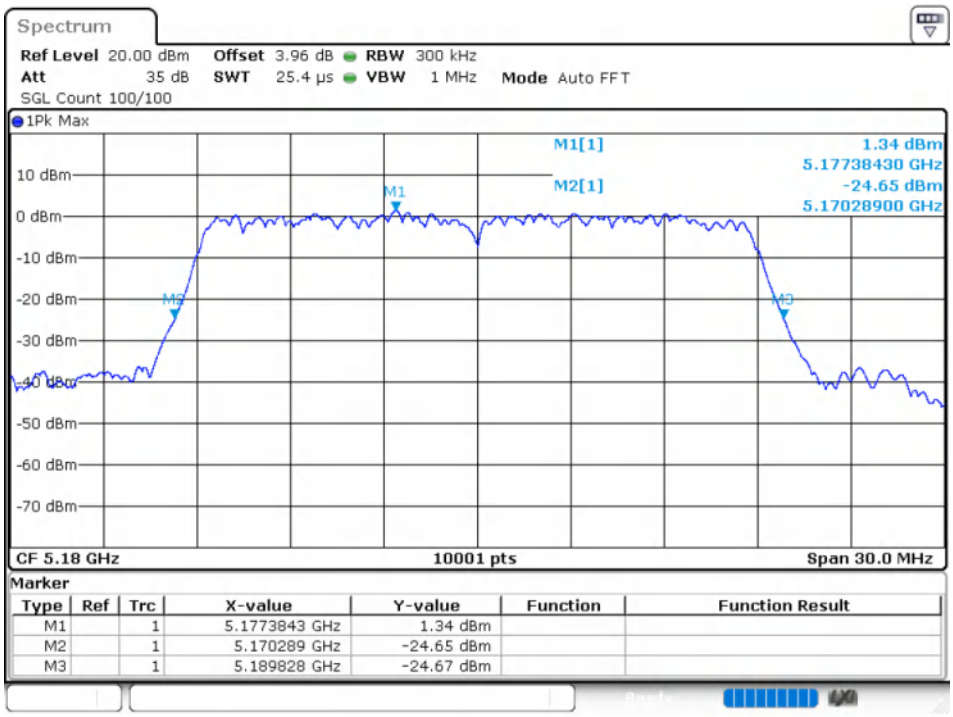
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5180	Ant1	12.42	23.44	Pass
NVNT	ac20	5180	Ant2	13.35	23.44	Pass
NVNT	ac20	5180	Sum	15.92	23.44	Pass
NVNT	ac20	5200	Ant1	12.57	23.44	Pass
NVNT	ac20	5200	Ant2	13.46	23.44	Pass
NVNT	ac20	5200	Sum	16.05	23.44	Pass
NVNT	ac20	5240	Ant1	12.8	23.44	Pass
NVNT	ac20	5240	Ant2	13.62	23.44	Pass
NVNT	ac20	5240	Sum	16.24	23.44	Pass
NVNT	ac40	5190	Ant1	12.4	23.44	Pass
NVNT	ac40	5190	Ant2	13.17	23.44	Pass
NVNT	ac40	5190	Sum	15.81	23.44	Pass
NVNT	ac40	5230	Ant1	12.34	23.44	Pass
NVNT	ac40	5230	Ant2	13.38	23.44	Pass
NVNT	ac40	5230	Sum	15.9	23.44	Pass
NVNT	ac80	5210	Ant1	12.46	23.44	Pass
NVNT	ac80	5210	Ant2	13.31	23.44	Pass
NVNT	ac80	5210	Sum	15.92	23.44	Pass
NVNT	n20	5180	Ant1	12.36	23.44	Pass
NVNT	n20	5180	Ant2	13.5	23.44	Pass
NVNT	n20	5180	Sum	15.98	23.44	Pass
NVNT	n20	5200	Ant1	12.94	23.44	Pass
NVNT	n20	5200	Ant2	13.6	23.44	Pass
NVNT	n20	5200	Sum	16.29	23.44	Pass
NVNT	n20	5240	Ant1	12.73	23.44	Pass
NVNT	n20	5240	Ant2	13.73	23.44	Pass
NVNT	n20	5240	Sum	16.27	23.44	Pass
NVNT	n40	5190	Ant1	12.35	23.44	Pass
NVNT	n40	5190	Ant2	13.17	23.44	Pass
NVNT	n40	5190	Sum	15.79	23.44	Pass
NVNT	n40	5230	Ant1	12.7	23.44	Pass
NVNT	n40	5230	Ant2	13.39	23.44	Pass
NVNT	n40	5230	Sum	16.07	23.44	Pass

Note:The test has added Duty Factor.

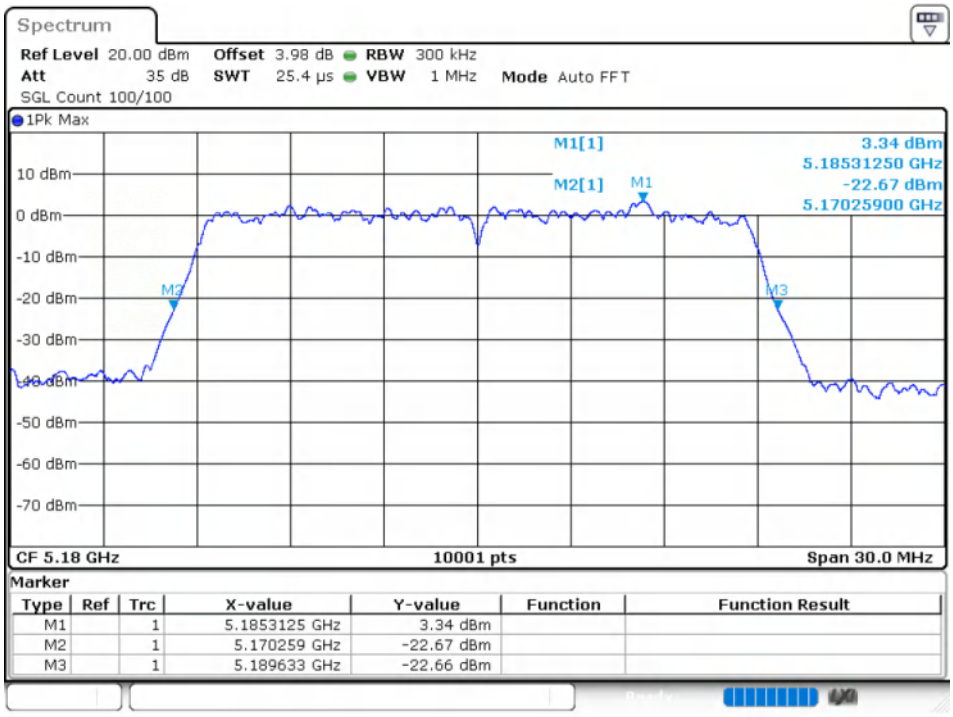
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	ac20	5180	Ant1	19.539	Pass
NVNT	ac20	5180	Ant2	19.374	Pass
NVNT	ac20	5200	Ant1	19.287	Pass
NVNT	ac20	5200	Ant2	19.338	Pass
NVNT	ac20	5240	Ant1	19.362	Pass
NVNT	ac20	5240	Ant2	19.548	Pass
NVNT	ac40	5190	Ant1	41.394	Pass
NVNT	ac40	5190	Ant2	41.202	Pass
NVNT	ac40	5230	Ant1	41.298	Pass
NVNT	ac40	5230	Ant2	41.19	Pass
NVNT	ac80	5210	Ant1	81.288	Pass
NVNT	ac80	5210	Ant2	81.06	Pass
NVNT	n20	5180	Ant1	19.449	Pass
NVNT	n20	5180	Ant2	19.392	Pass
NVNT	n20	5200	Ant1	19.59	Pass
NVNT	n20	5200	Ant2	19.479	Pass
NVNT	n20	5240	Ant1	19.581	Pass
NVNT	n20	5240	Ant2	19.371	Pass
NVNT	n40	5190	Ant1	41.466	Pass
NVNT	n40	5190	Ant2	41.25	Pass
NVNT	n40	5230	Ant1	41.436	Pass
NVNT	n40	5230	Ant2	41.178	Pass

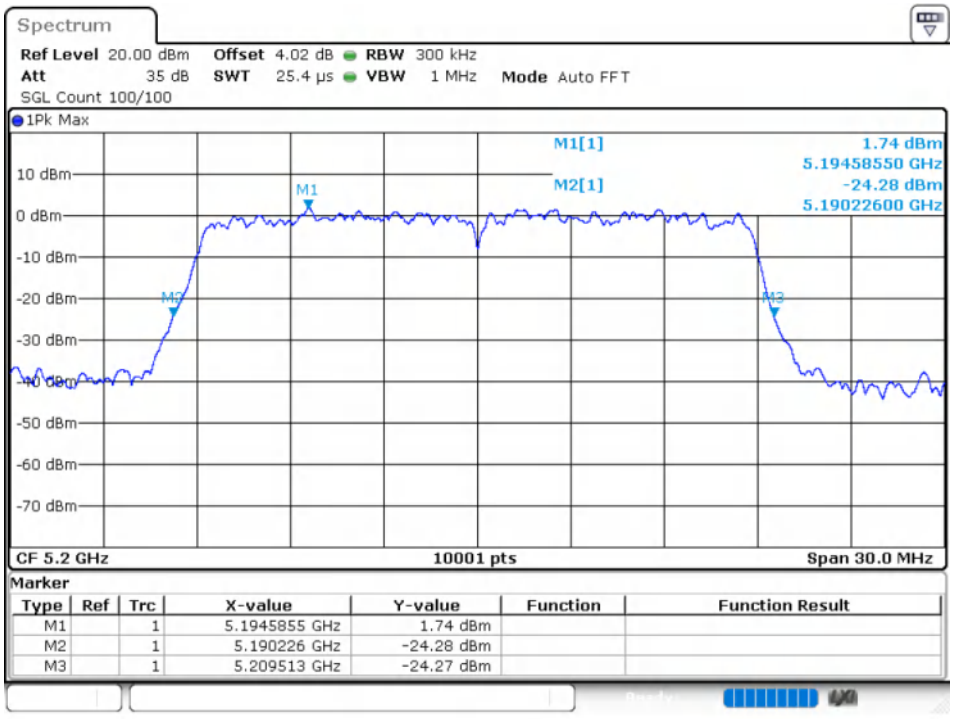
Test Graphs
-26dB Bandwidth NVNT ac20 5180MHz Ant1



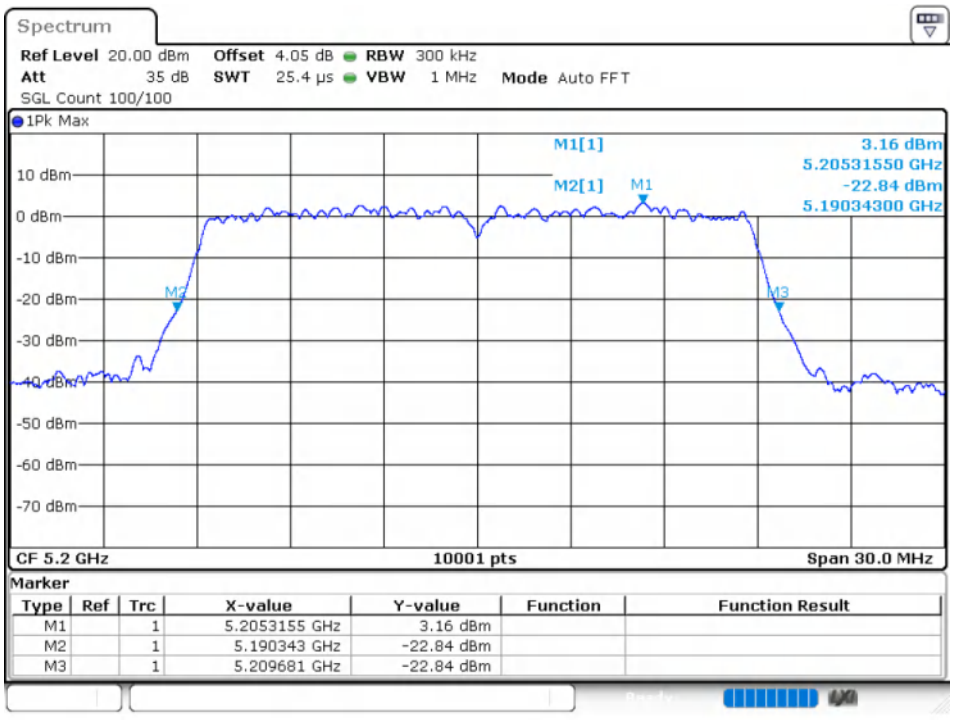
-26dB Bandwidth NVNT ac20 5180MHz Ant2



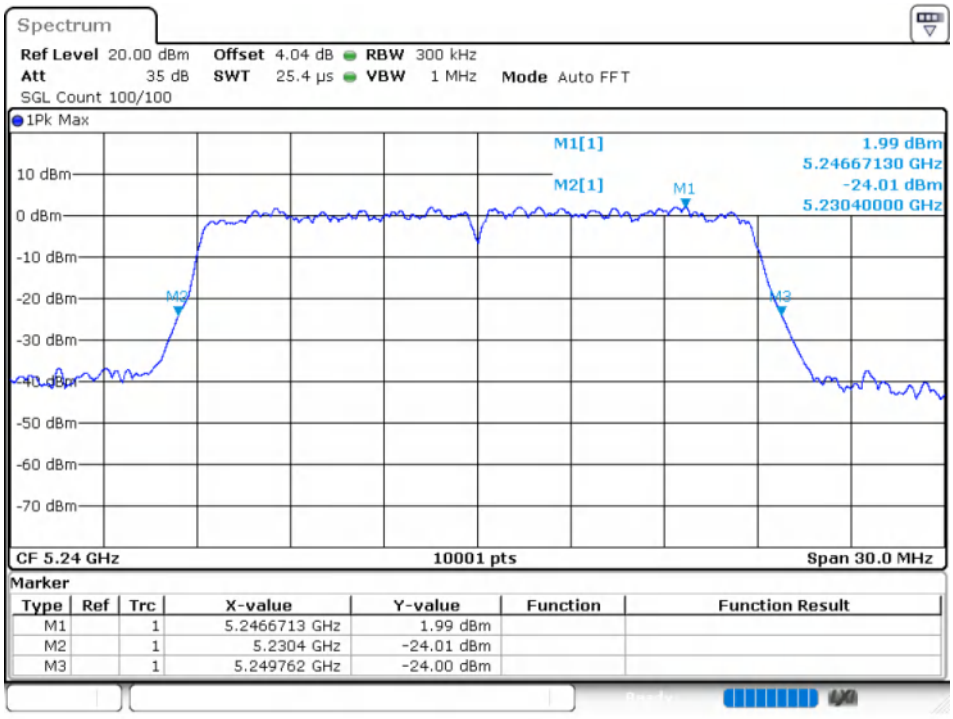
-26dB Bandwidth NVNT ac20 5200MHz Ant1



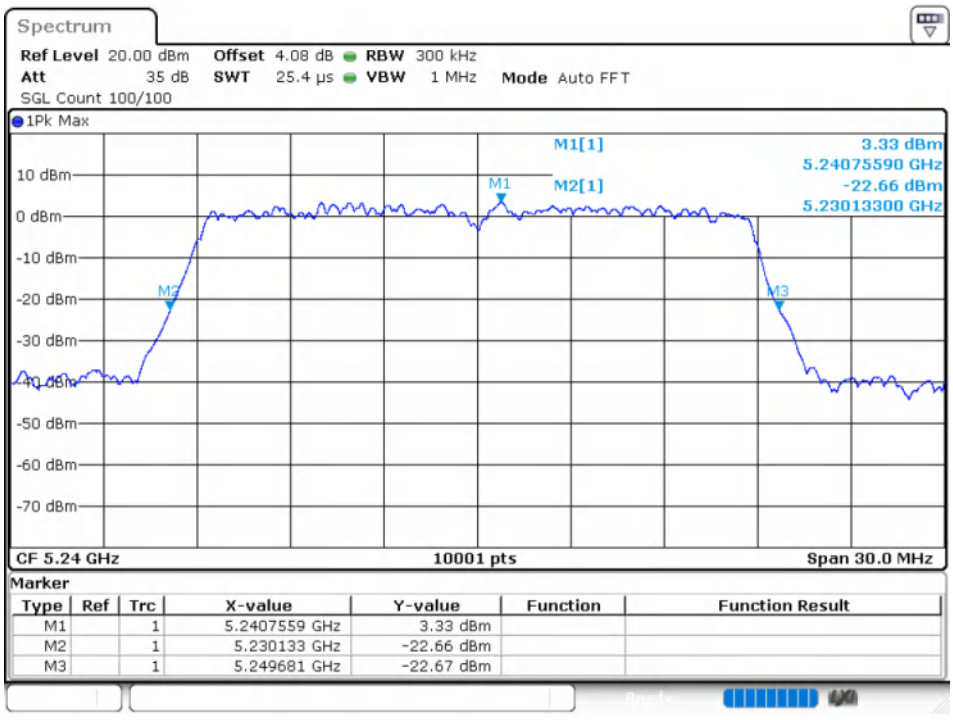
-26dB Bandwidth NVNT ac20 5200MHz Ant2



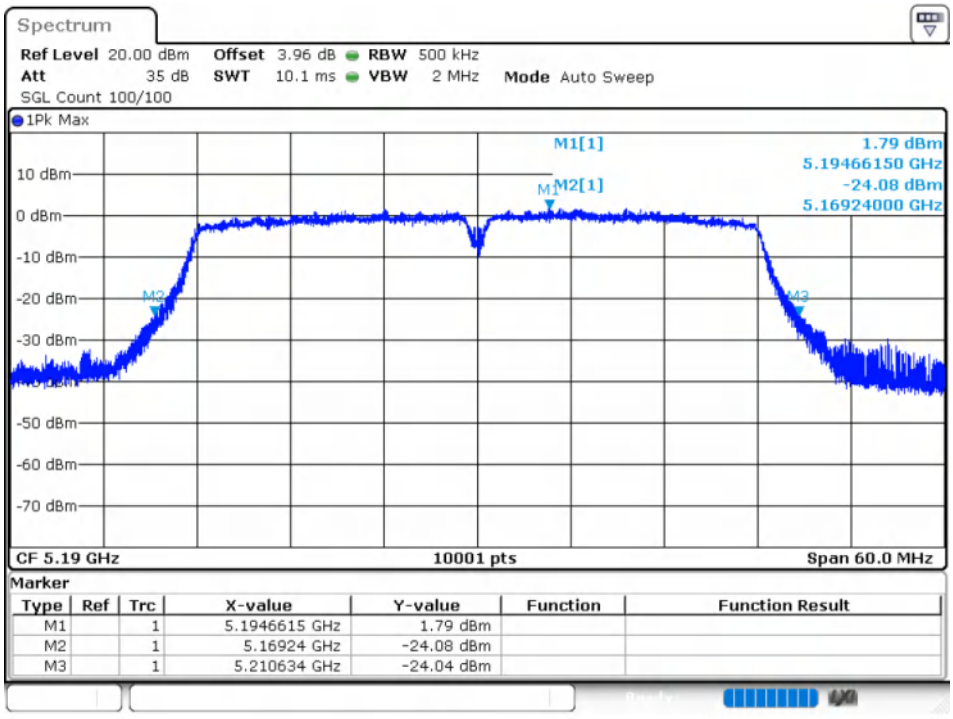
-26dB Bandwidth NVNT ac20 5240MHz Ant1



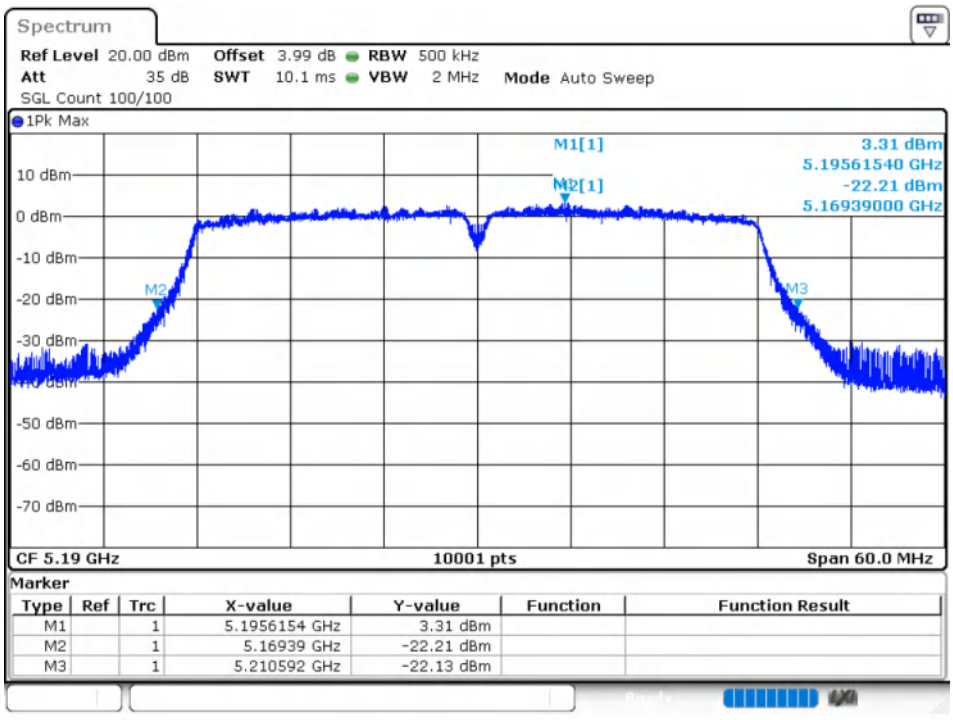
-26dB Bandwidth NVNT ac20 5240MHz Ant2



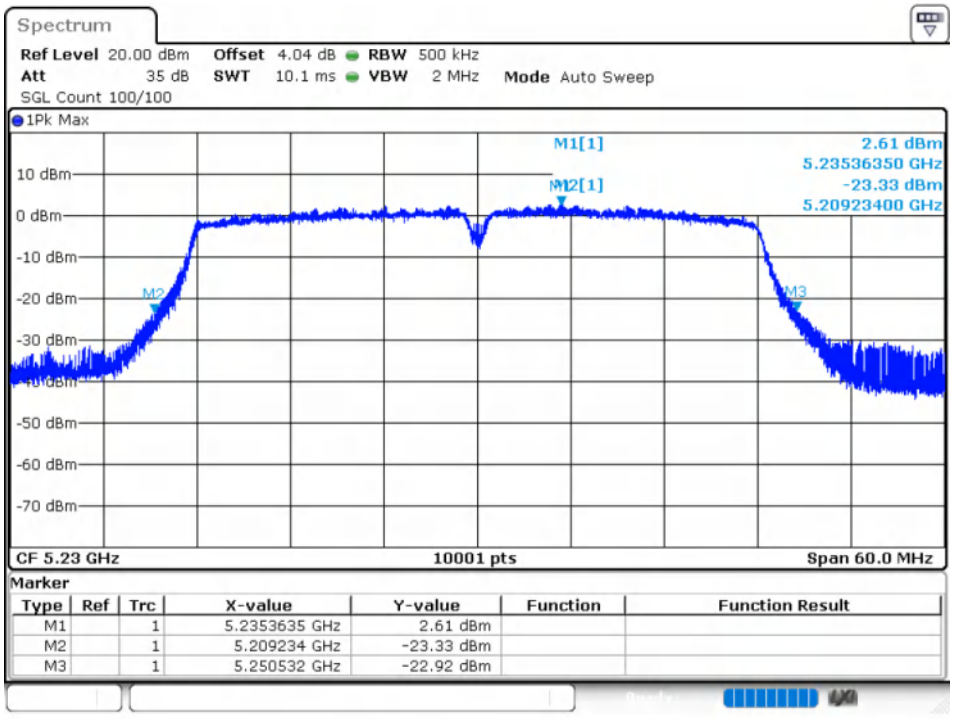
-26dB Bandwidth NVNT ac40 5190MHz Ant1



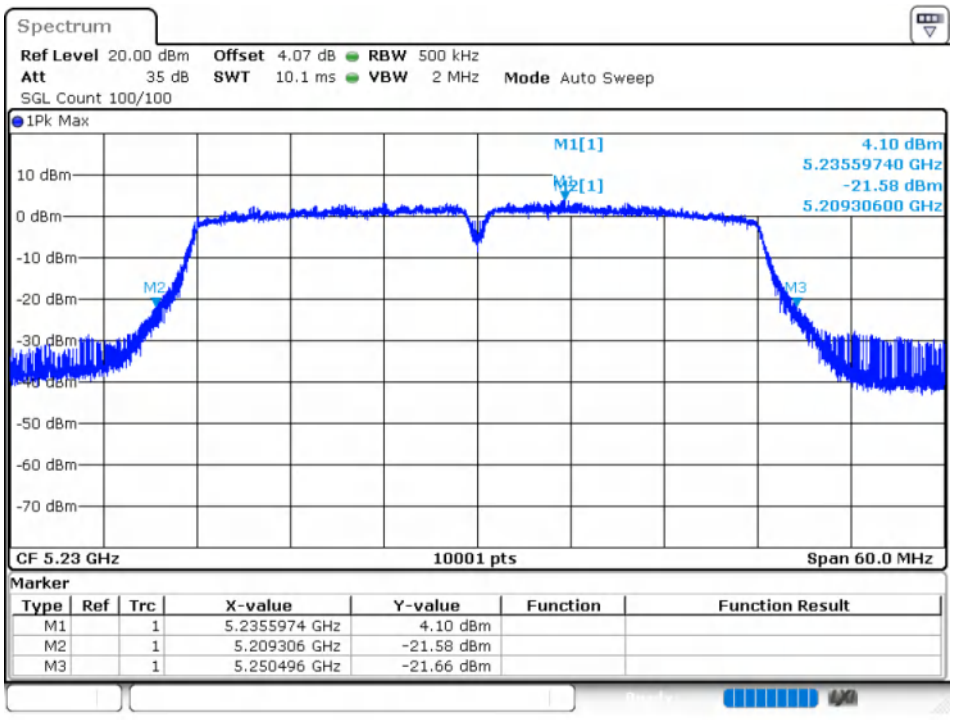
-26dB Bandwidth NVNT ac40 5190MHz Ant2



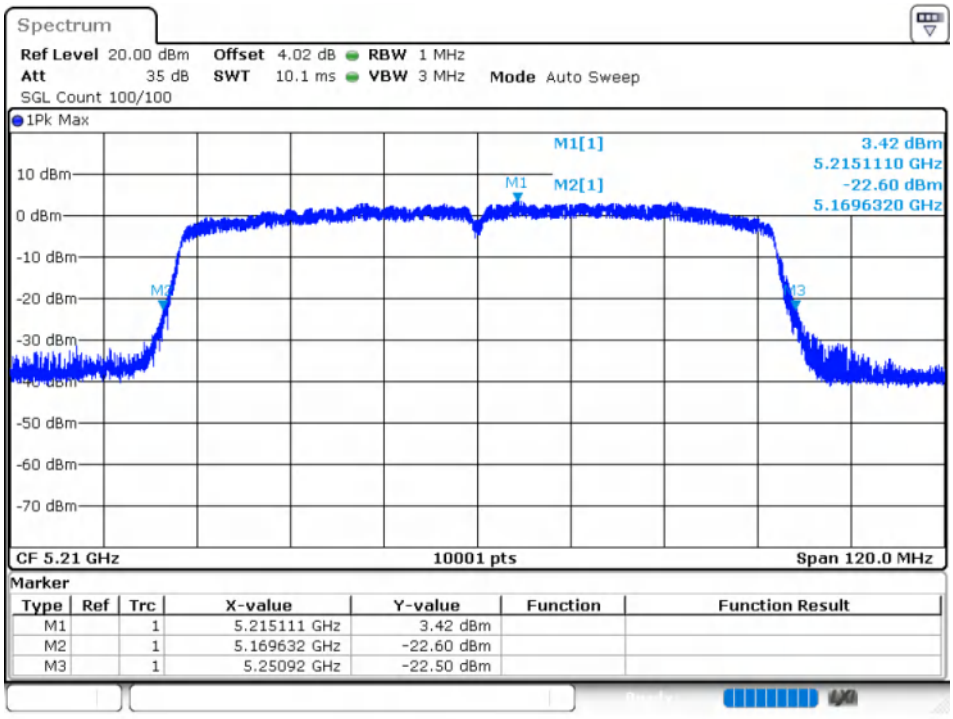
-26dB Bandwidth NVNT ac40 5230MHz Ant1



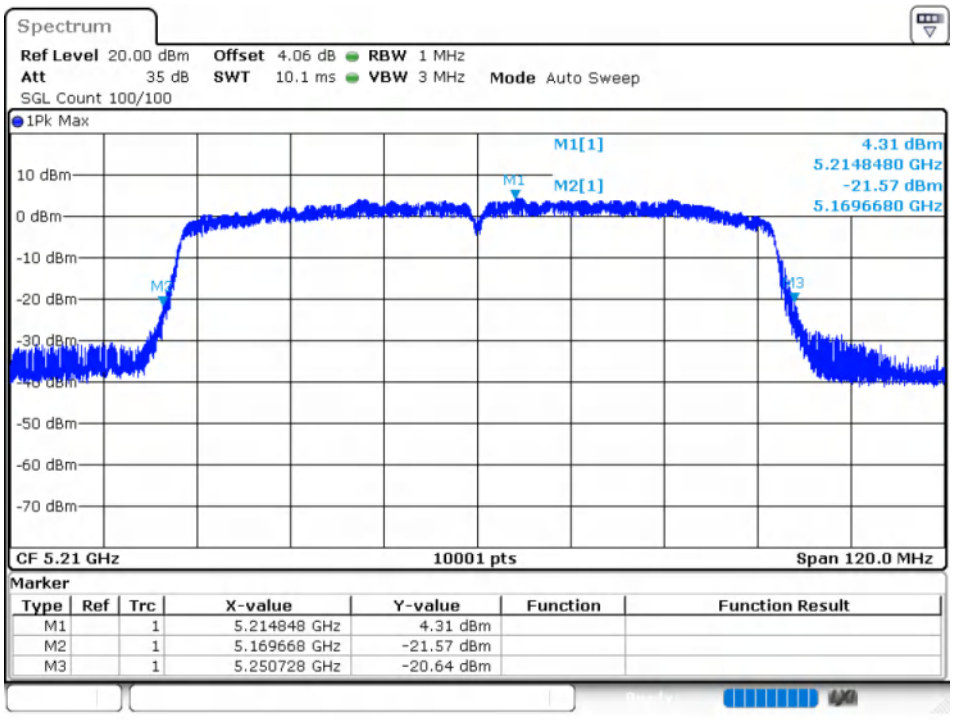
-26dB Bandwidth NVNT ac40 5230MHz Ant2



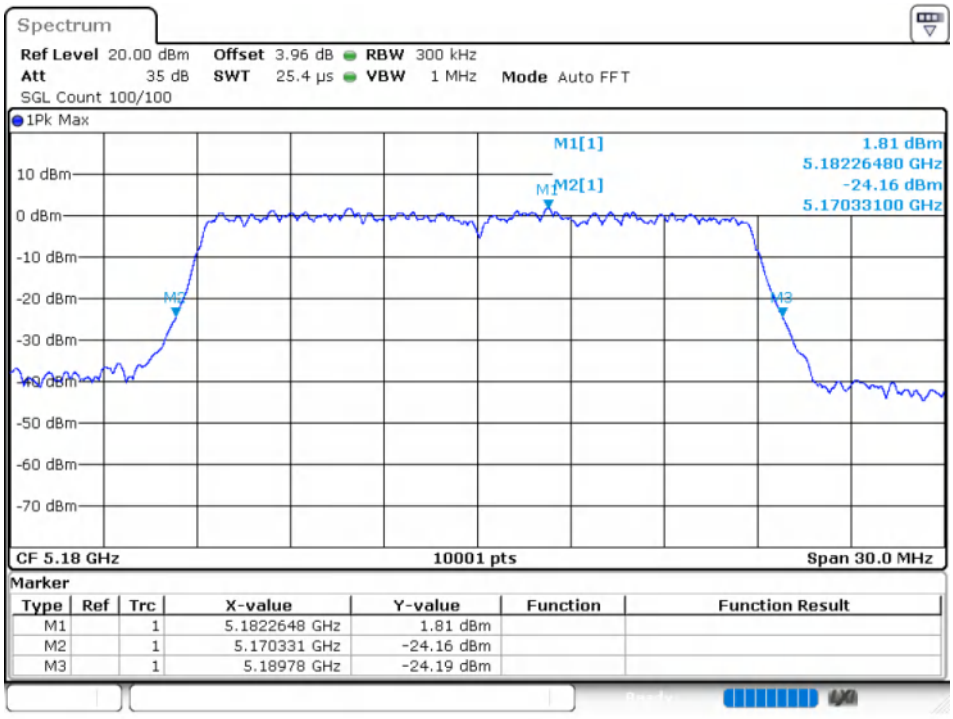
-26dB Bandwidth NVNT ac80 5210MHz Ant1



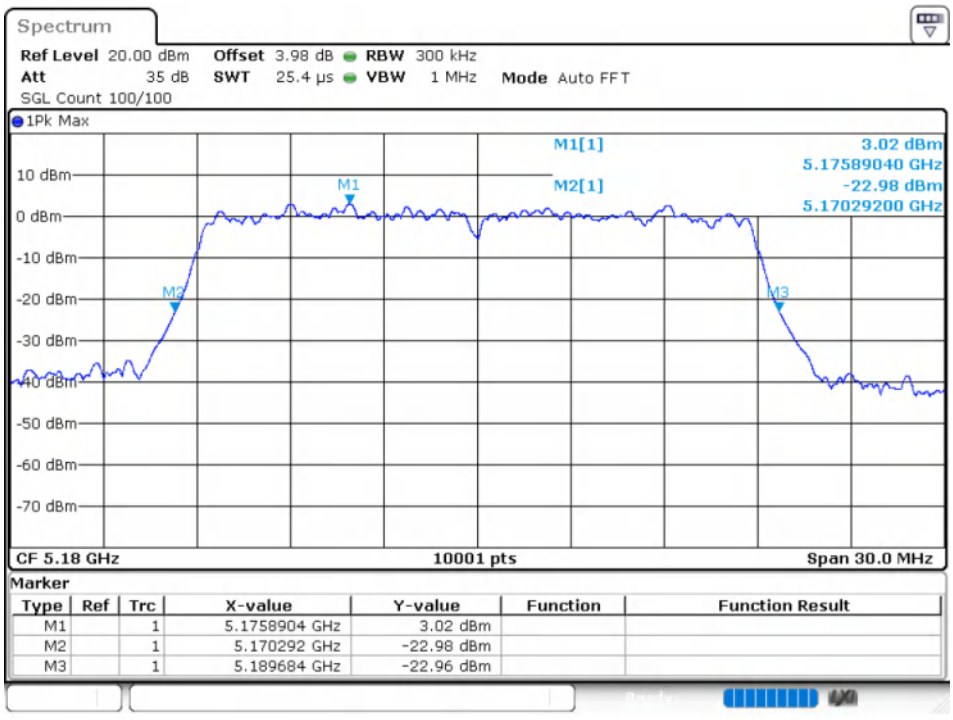
-26dB Bandwidth NVNT ac80 5210MHz Ant2



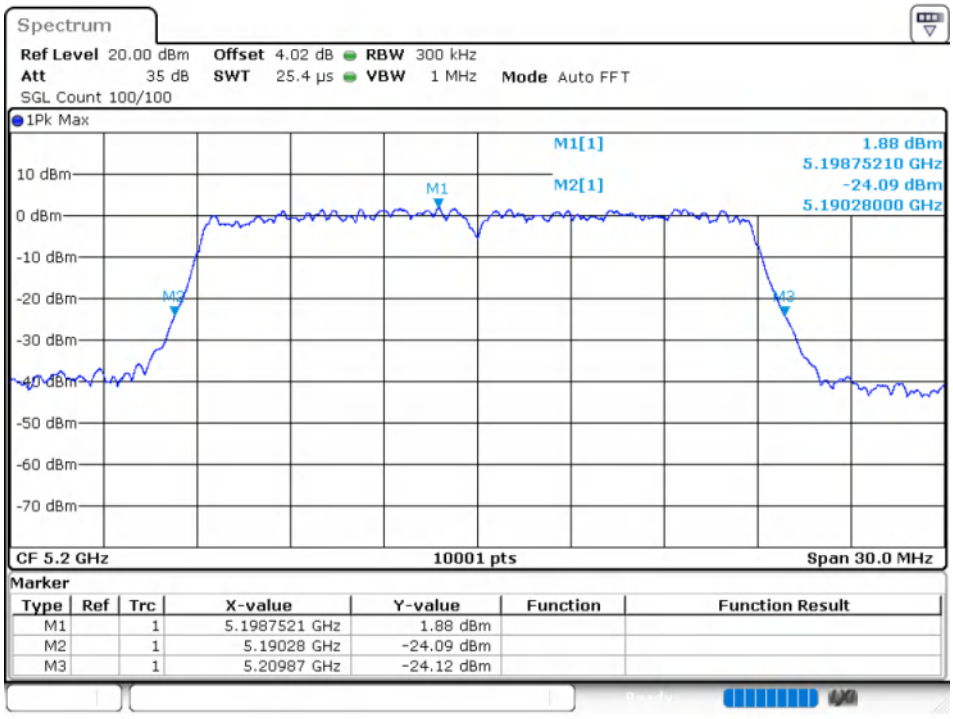
-26dB Bandwidth NVNT n20 5180MHz Ant1



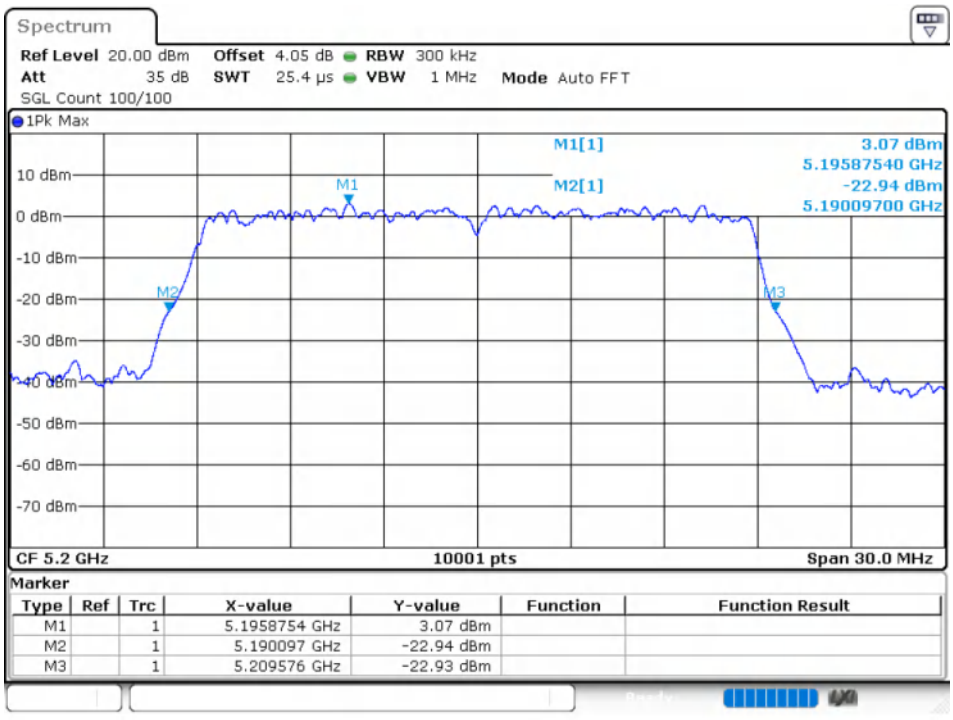
-26dB Bandwidth NVNT n20 5180MHz Ant2



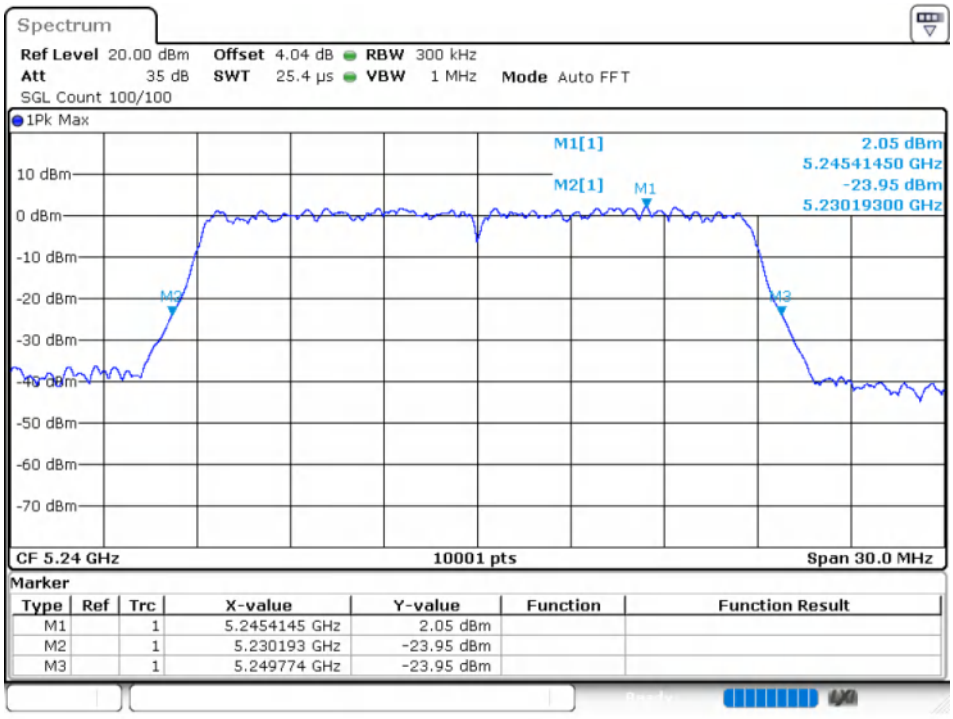
-26dB Bandwidth NVNT n20 5200MHz Ant1



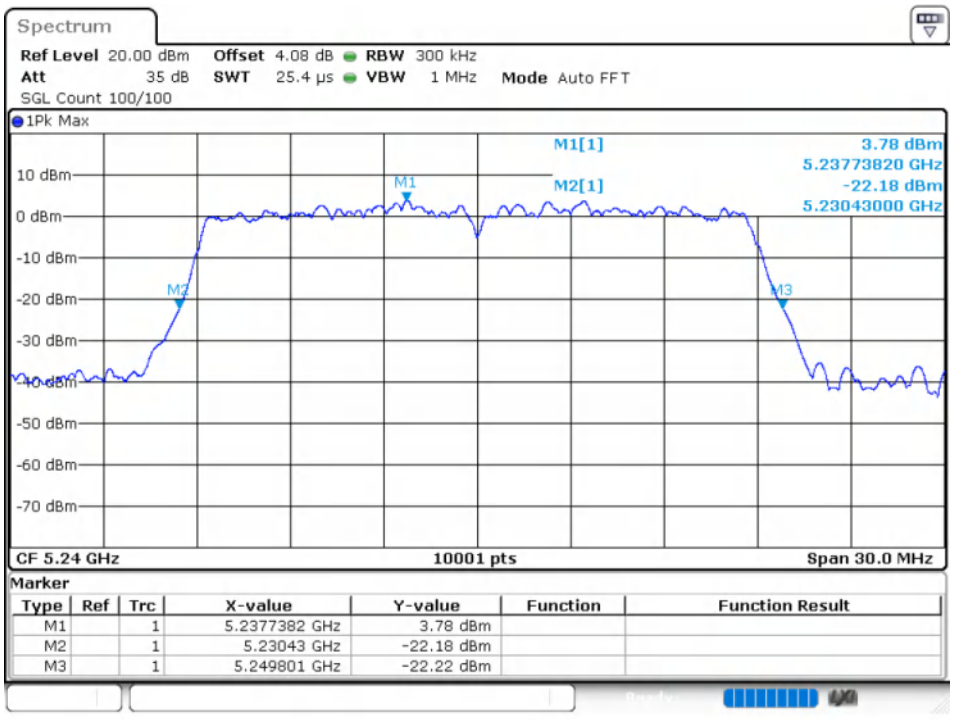
-26dB Bandwidth NVNT n20 5200MHz Ant2



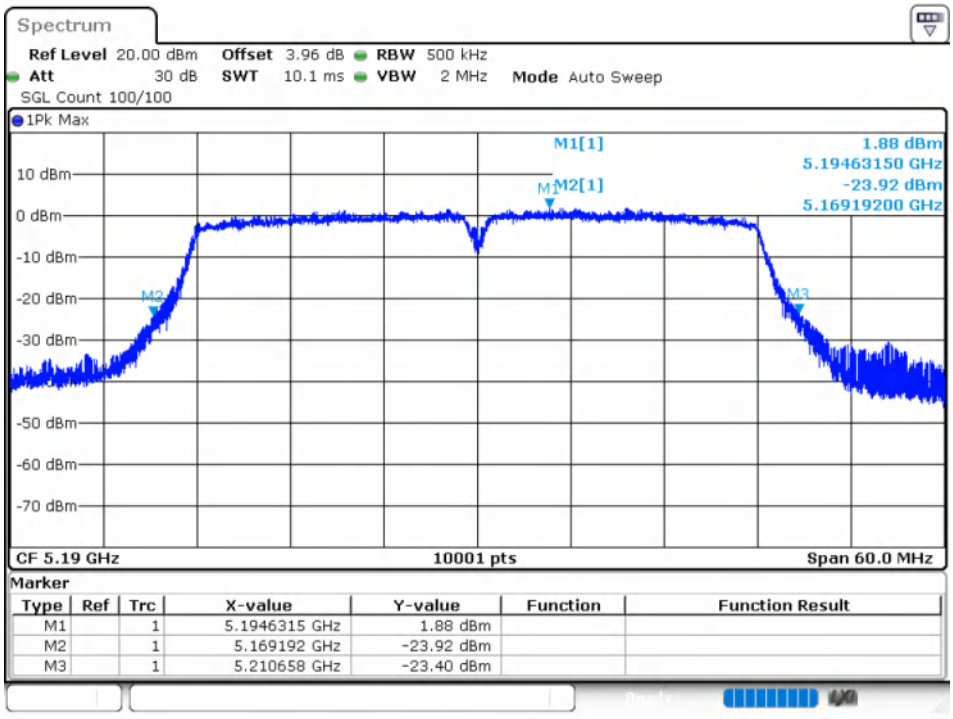
-26dB Bandwidth NVNT n20 5240MHz Ant1



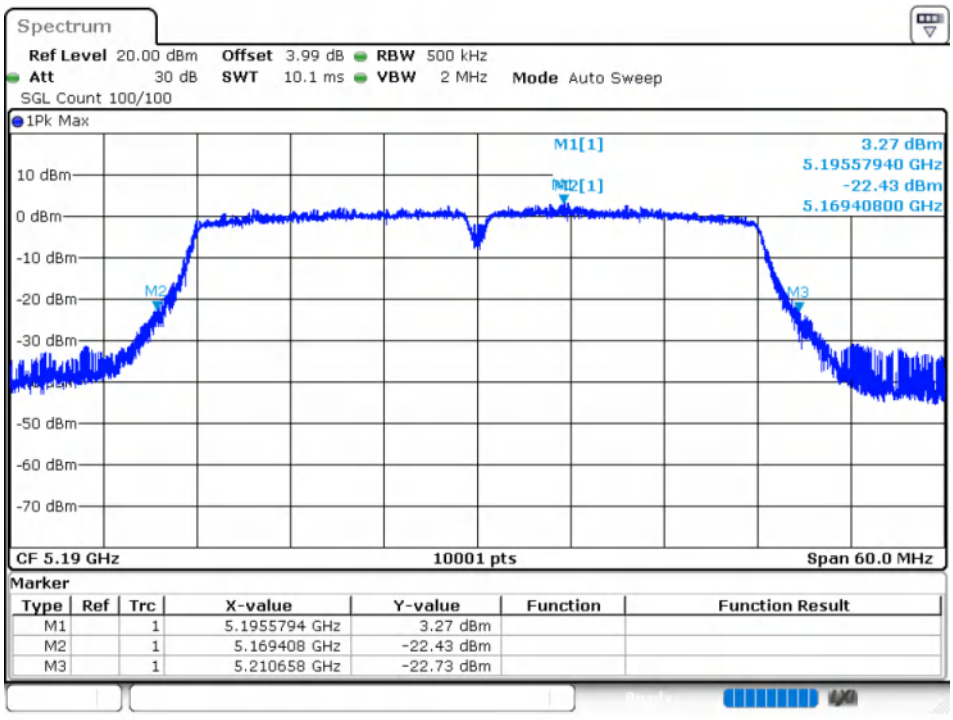
-26dB Bandwidth NVNT n20 5240MHz Ant2



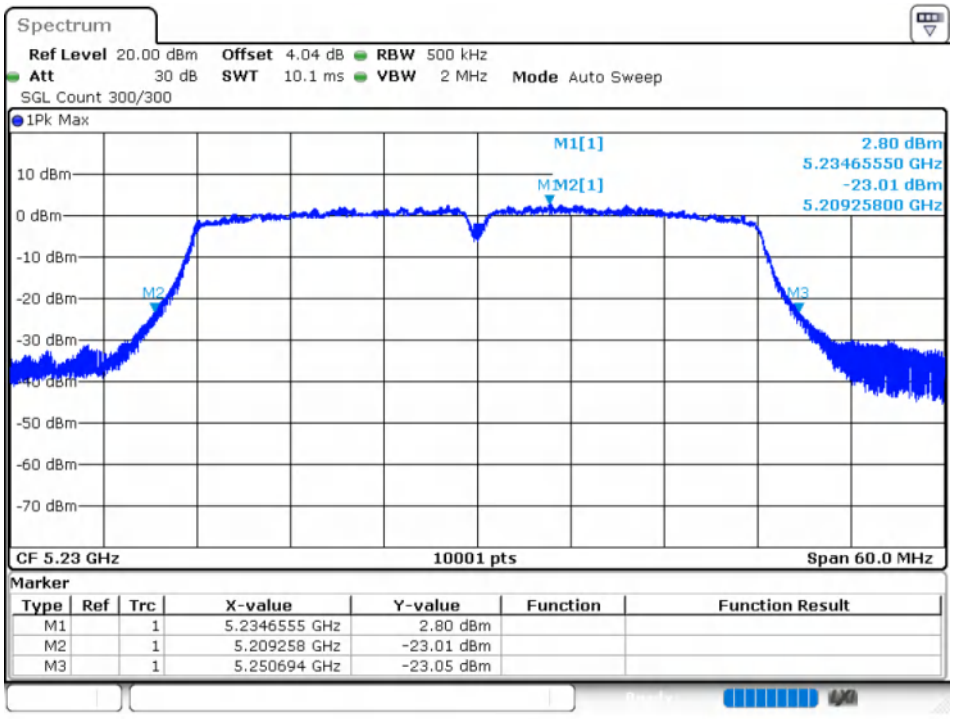
-26dB Bandwidth NVNT n40 5190MHz Ant1



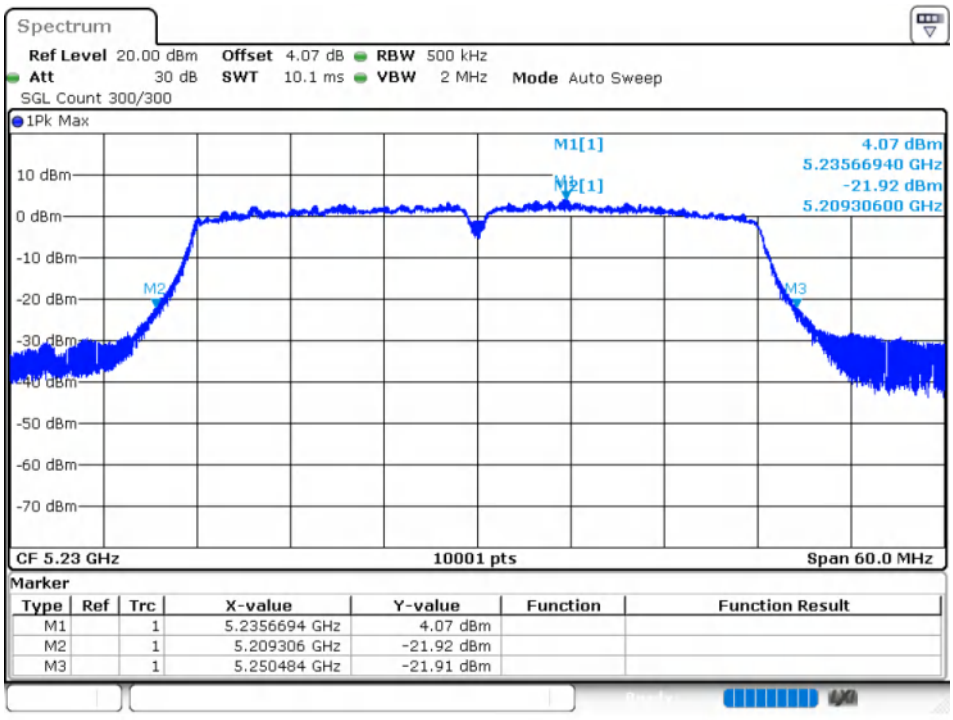
-26dB Bandwidth NVNT n40 5190MHz Ant2



-26dB Bandwidth NVNT n40 5230MHz Ant1



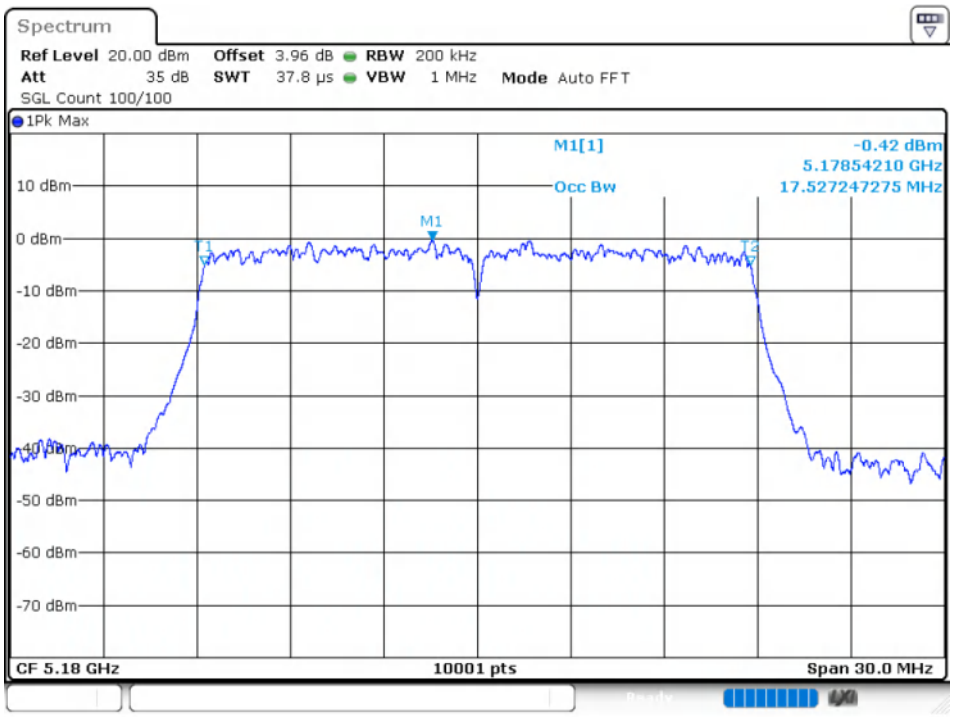
-26dB Bandwidth NVNT n40 5230MHz Ant2



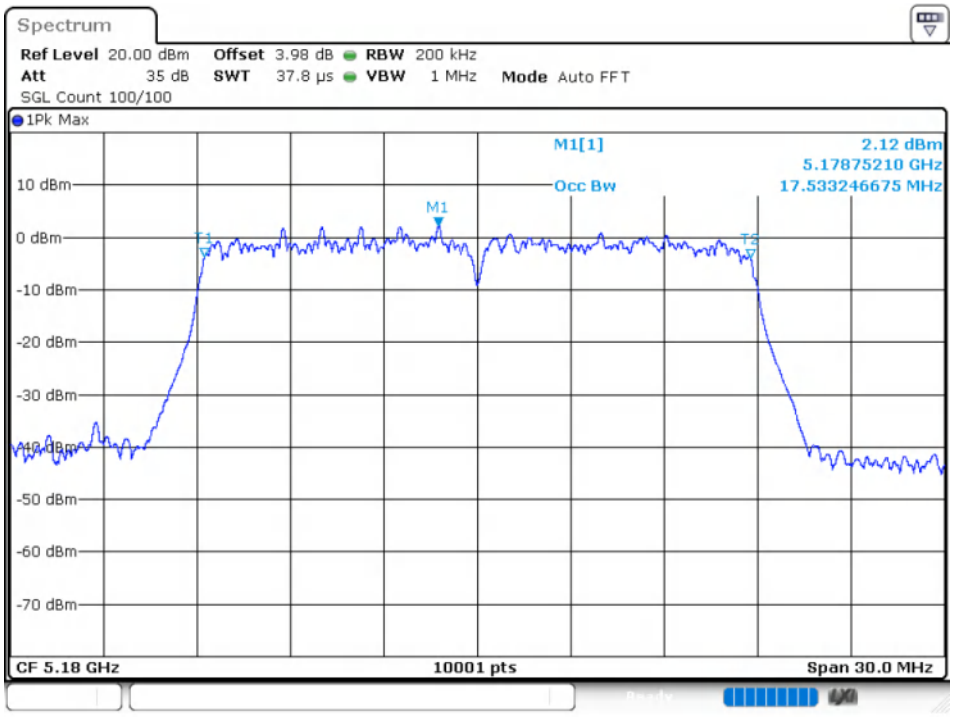
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	ac20	5180	Ant1	17.527
NVNT	ac20	5180	Ant2	17.533
NVNT	ac20	5200	Ant1	17.548
NVNT	ac20	5200	Ant2	17.506
NVNT	ac20	5240	Ant1	17.506
NVNT	ac20	5240	Ant2	17.509
NVNT	ac40	5190	Ant1	36.134
NVNT	ac40	5190	Ant2	36.11
NVNT	ac40	5230	Ant1	36.056
NVNT	ac40	5230	Ant2	36.068
NVNT	ac80	5210	Ant1	74.633
NVNT	ac80	5210	Ant2	74.513
NVNT	n20	5180	Ant1	17.539
NVNT	n20	5180	Ant2	17.548
NVNT	n20	5200	Ant1	17.491
NVNT	n20	5200	Ant2	17.518
NVNT	n20	5240	Ant1	17.545
NVNT	n20	5240	Ant2	17.533
NVNT	n40	5190	Ant1	36.092
NVNT	n40	5190	Ant2	36.152
NVNT	n40	5230	Ant1	36.14
NVNT	n40	5230	Ant2	36.122

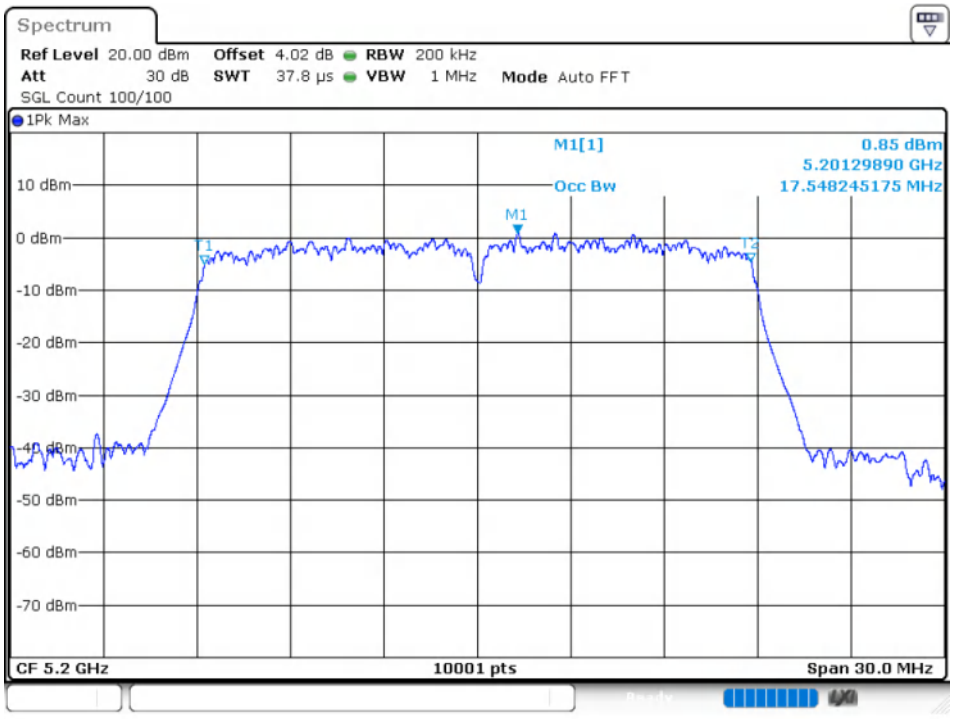
Test Graphs
OBW NVNT ac20 5180MHz Ant1



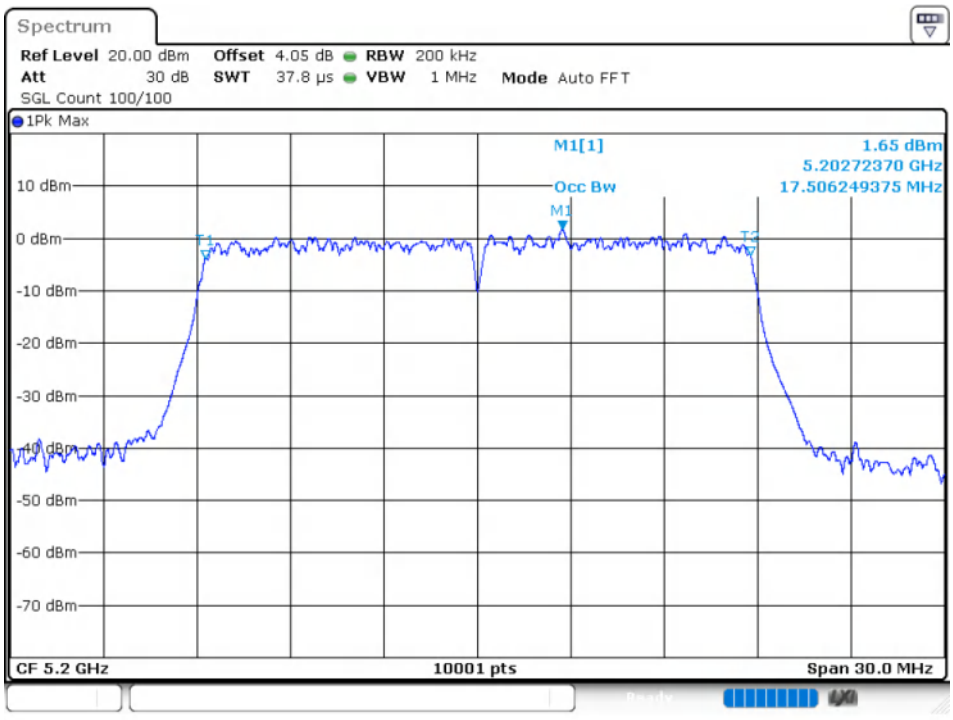
OBW NVNT ac20 5180MHz Ant2



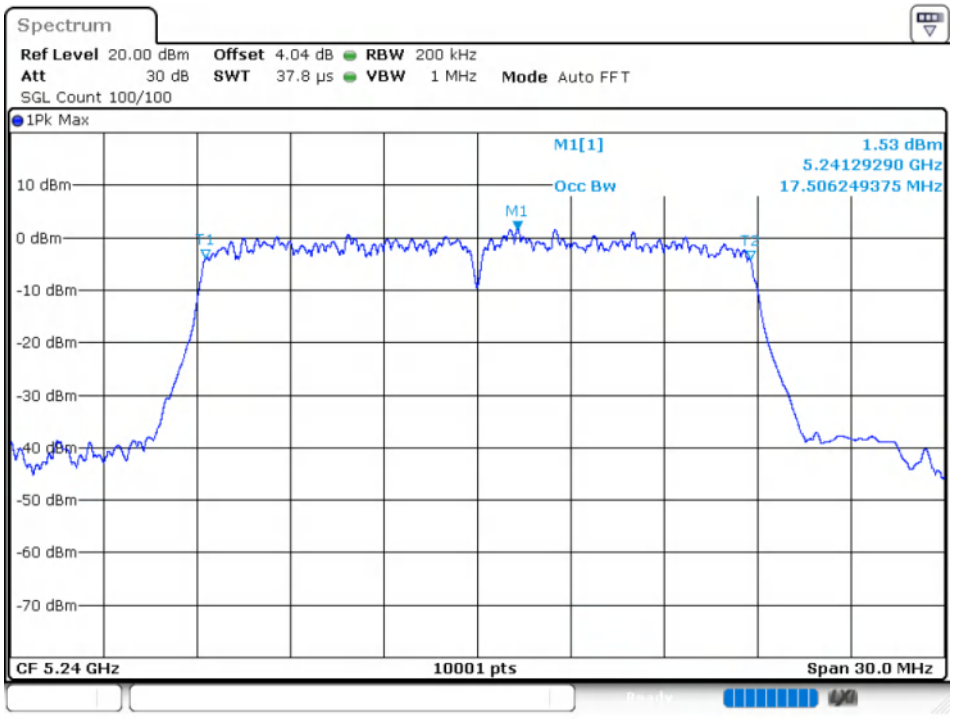
OBW NVNT ac20 5200MHz Ant1



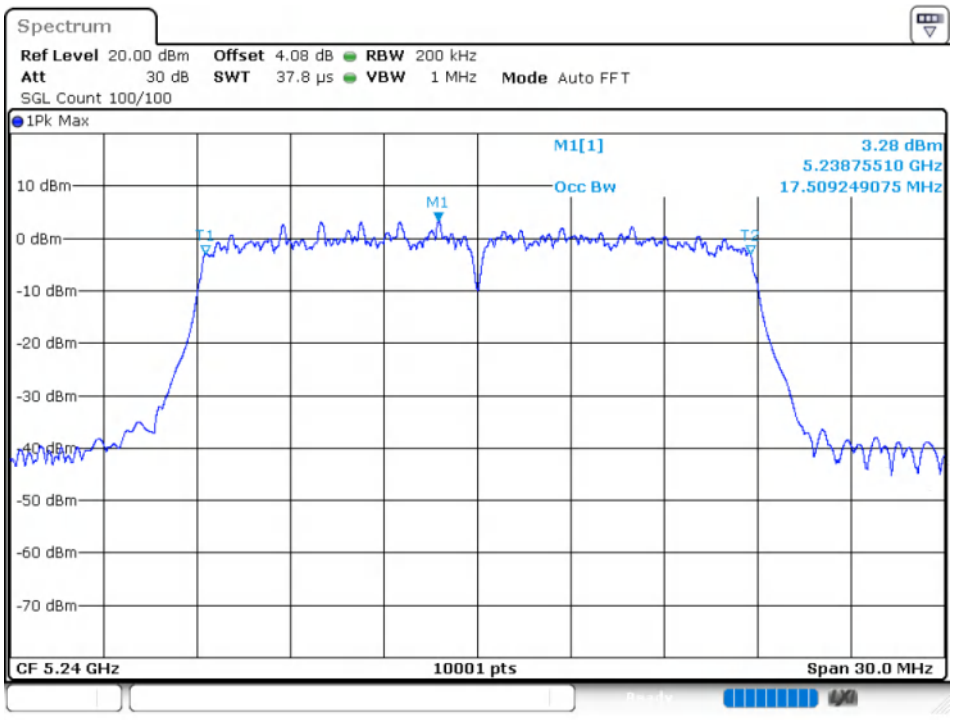
OBW NVNT ac20 5200MHz Ant2



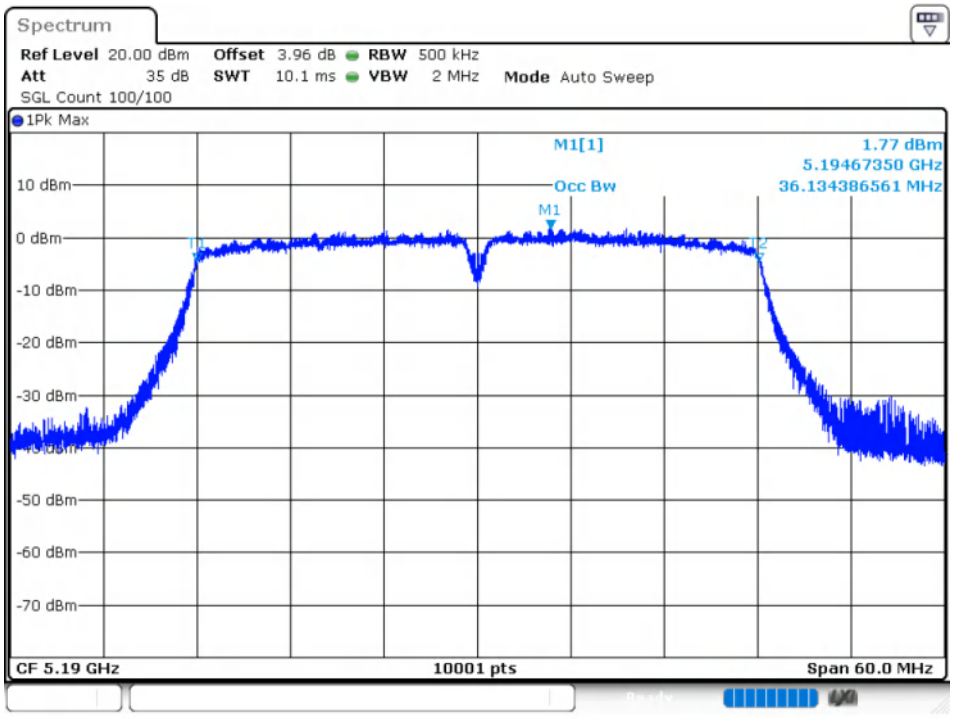
OBW NVNT ac20 5240MHz Ant1



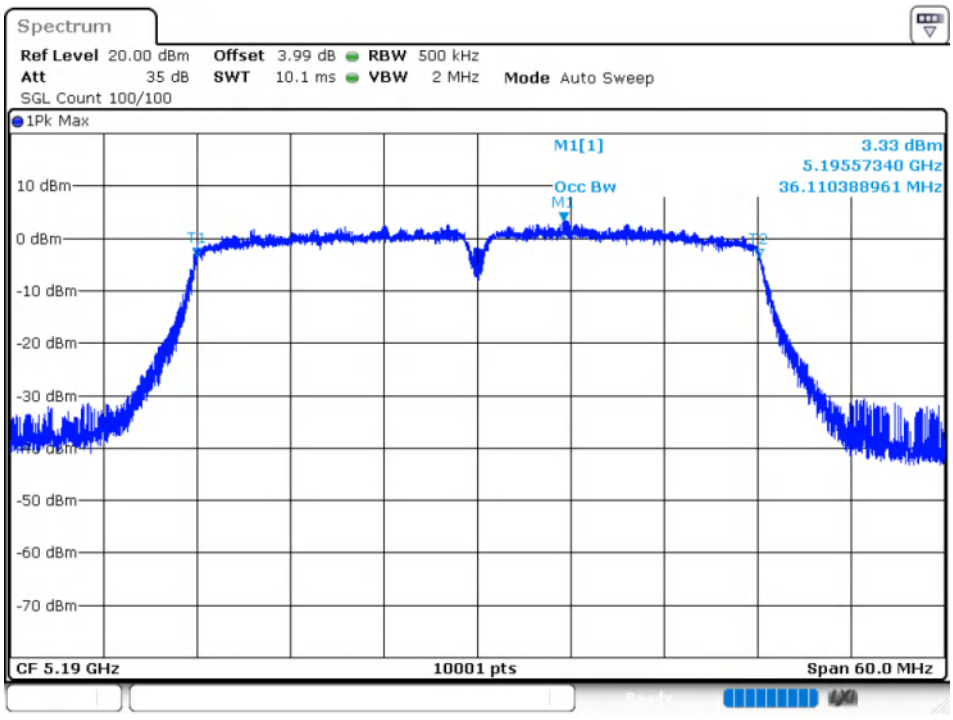
OBW NVNT ac20 5240MHz Ant2



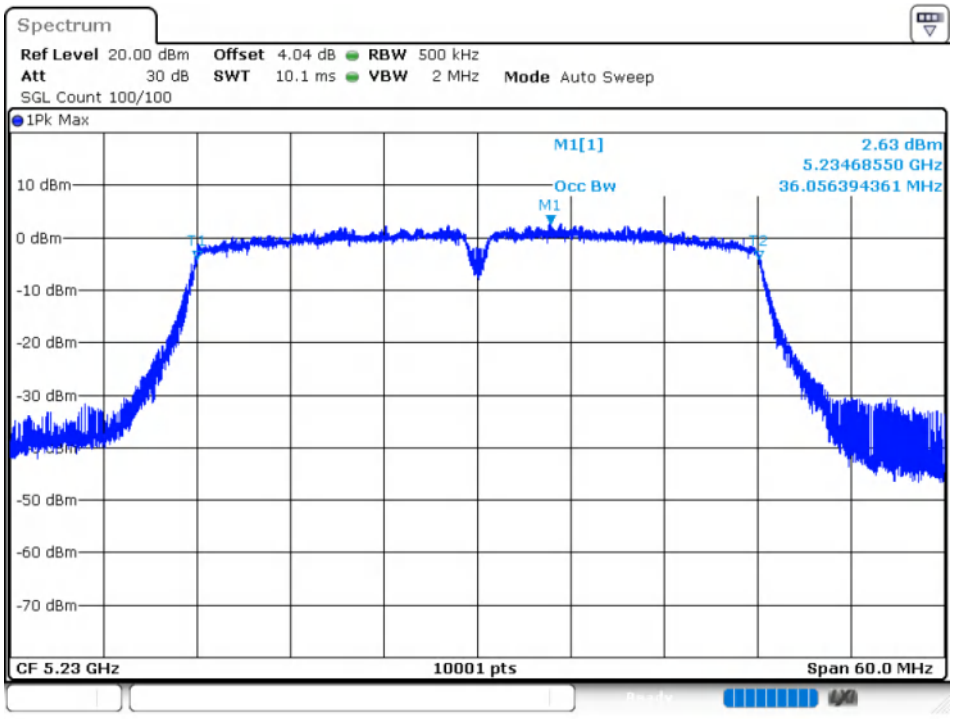
OBW NVNT ac40 5190MHz Ant1



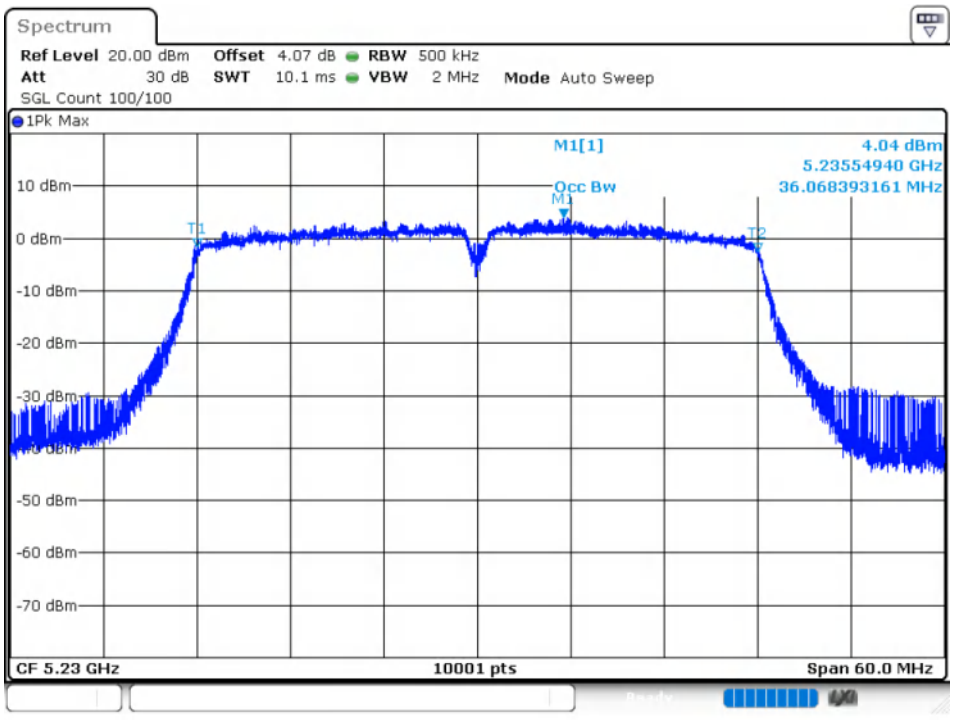
OBW NVNT ac40 5190MHz Ant2



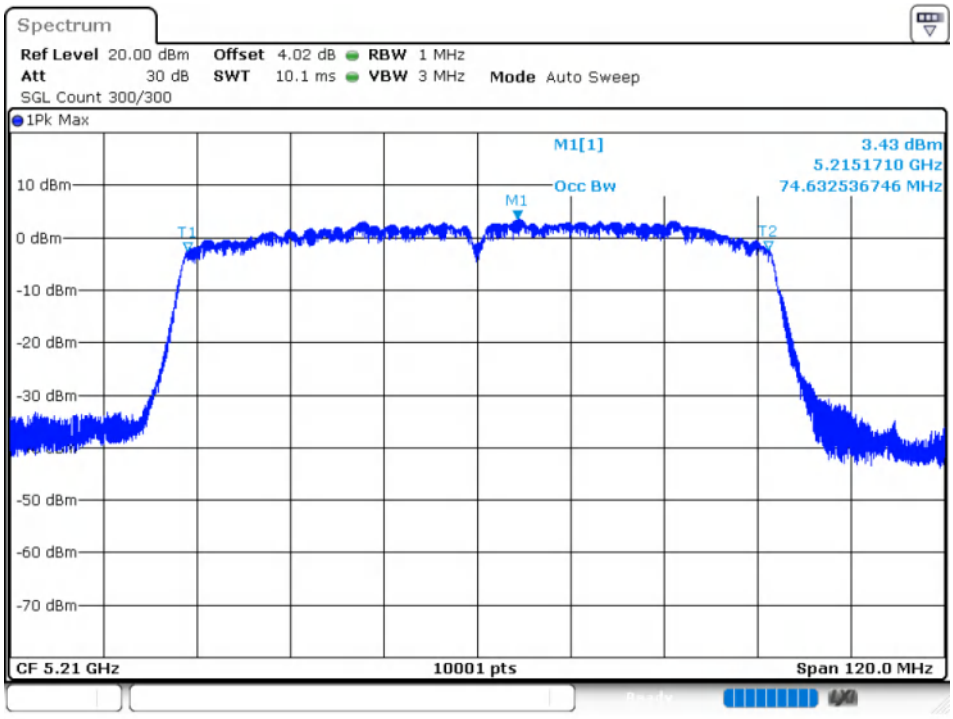
OBW NVNT ac40 5230MHz Ant1



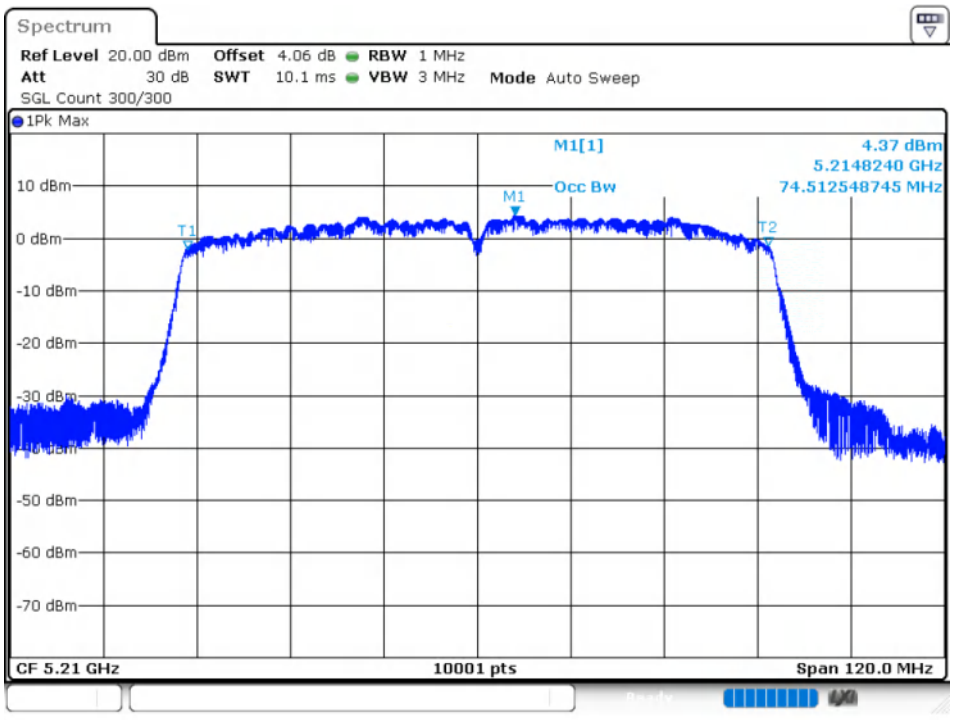
OBW NVNT ac40 5230MHz Ant2



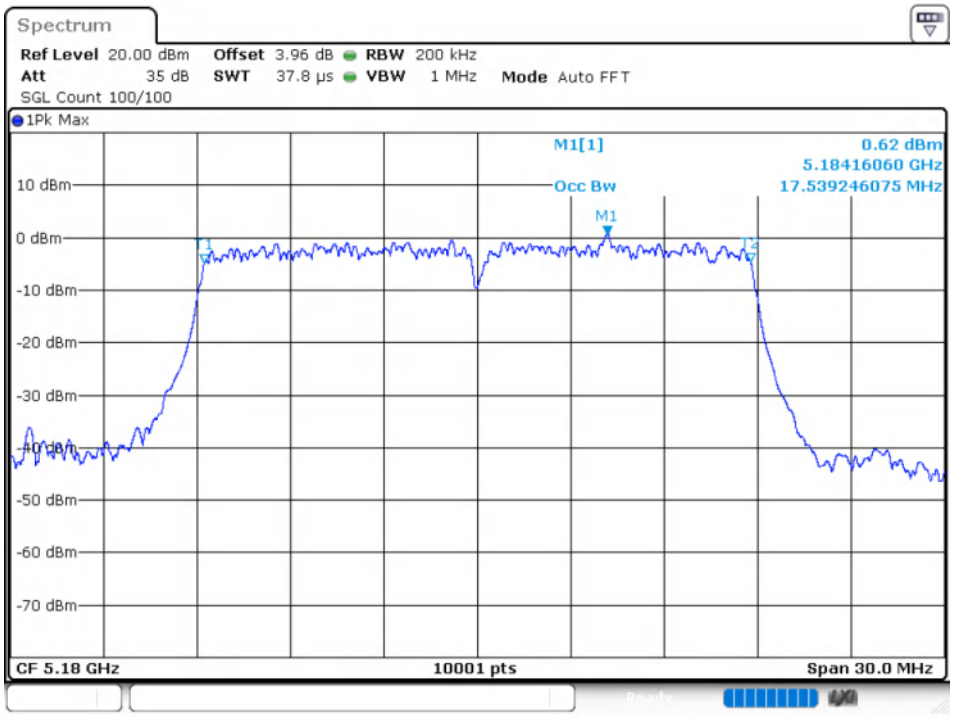
OBW NVNT ac80 5210MHz Ant1



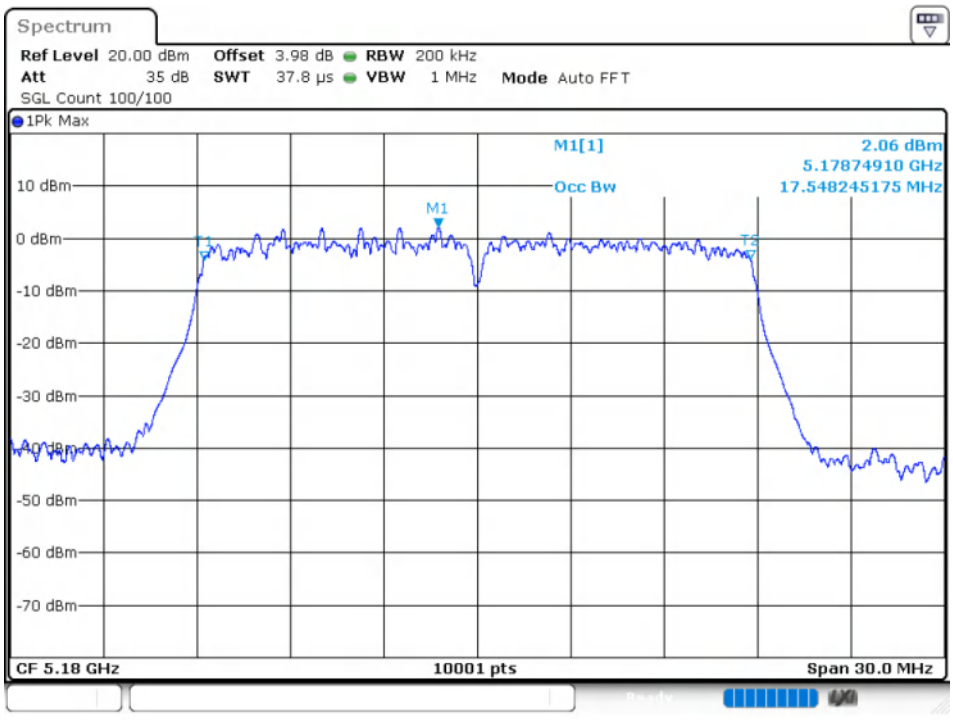
OBW NVNT ac80 5210MHz Ant2



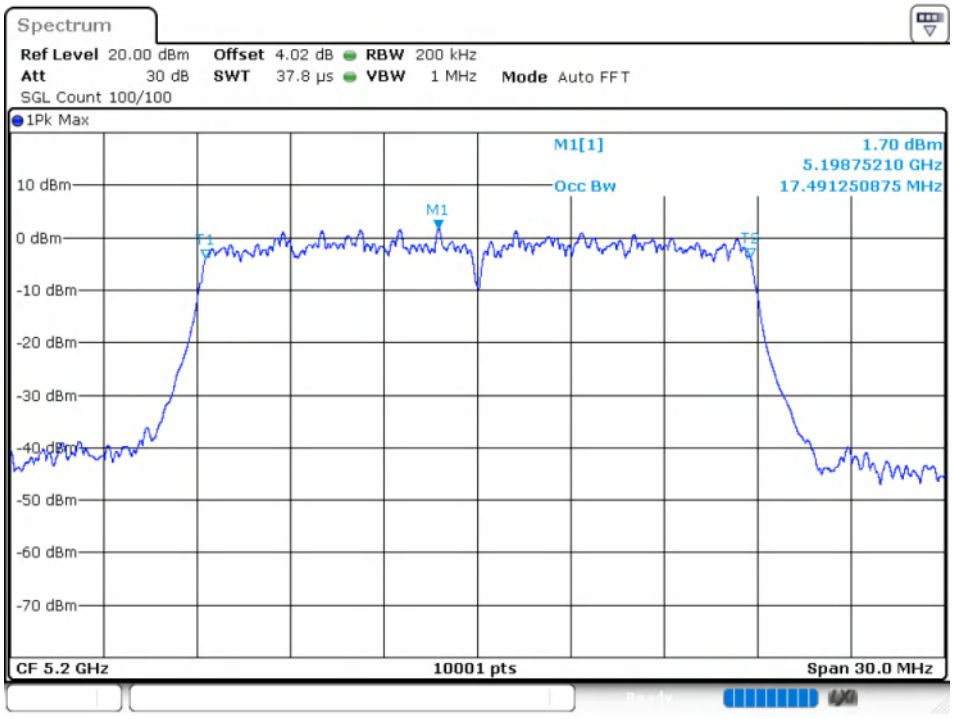
OBW NVNT n20 5180MHz Ant1



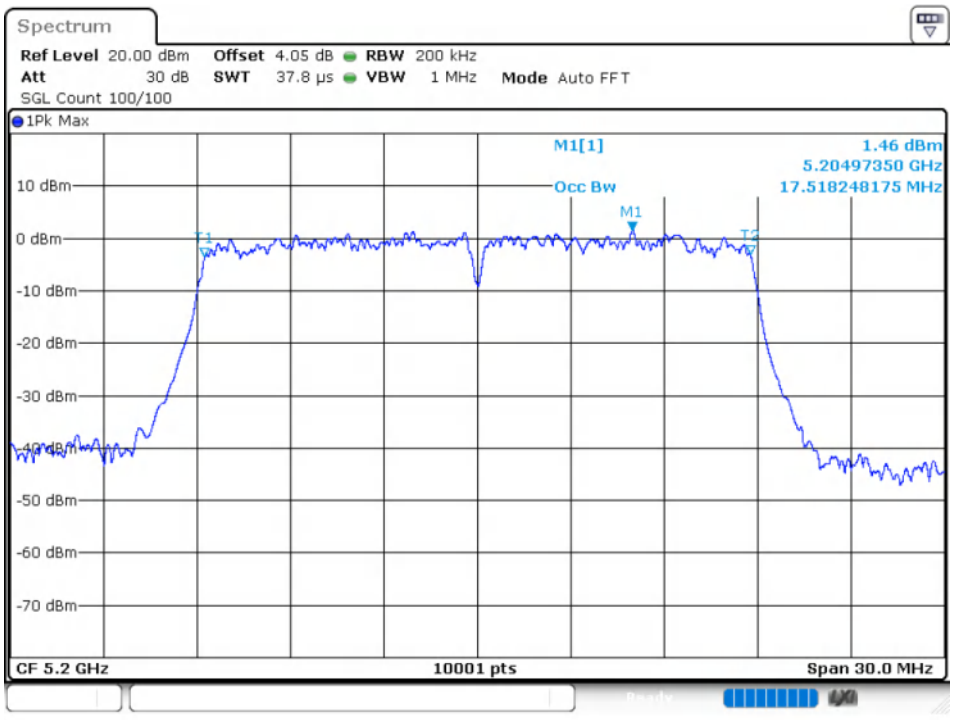
OBW NVNT n20 5180MHz Ant2



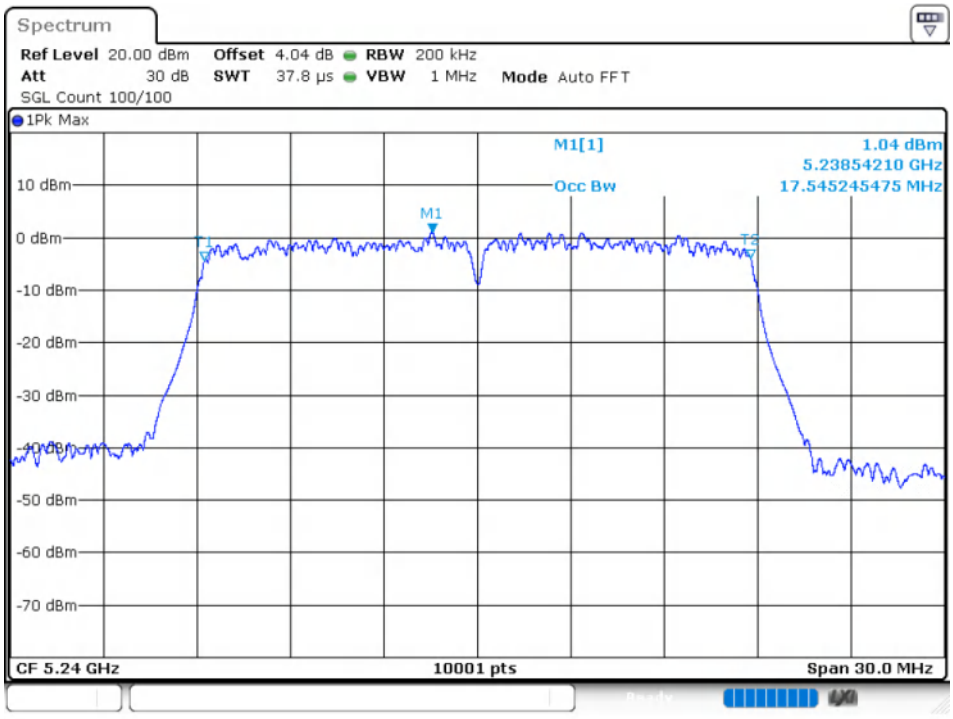
OBW NVNT n20 5200MHz Ant1



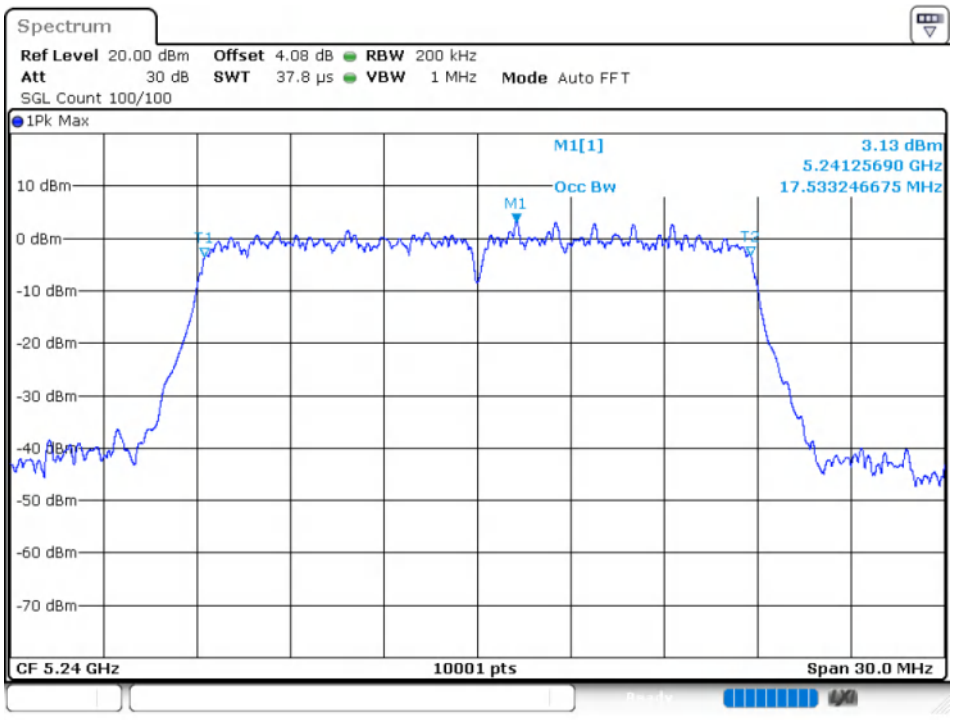
OBW NVNT n20 5200MHz Ant2



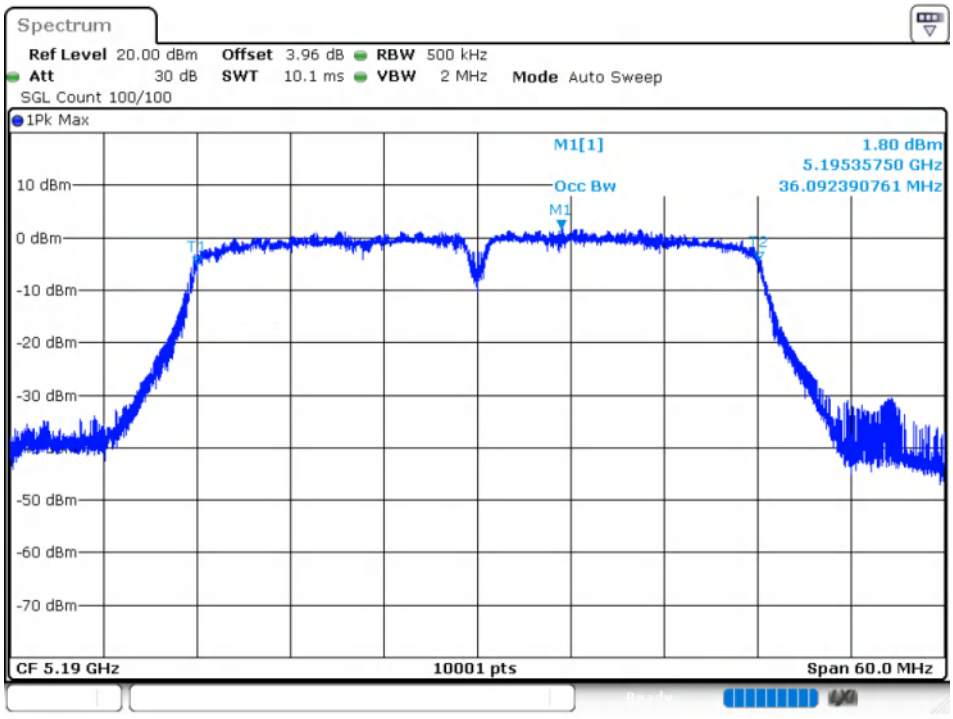
OBW NVNT n20 5240MHz Ant1



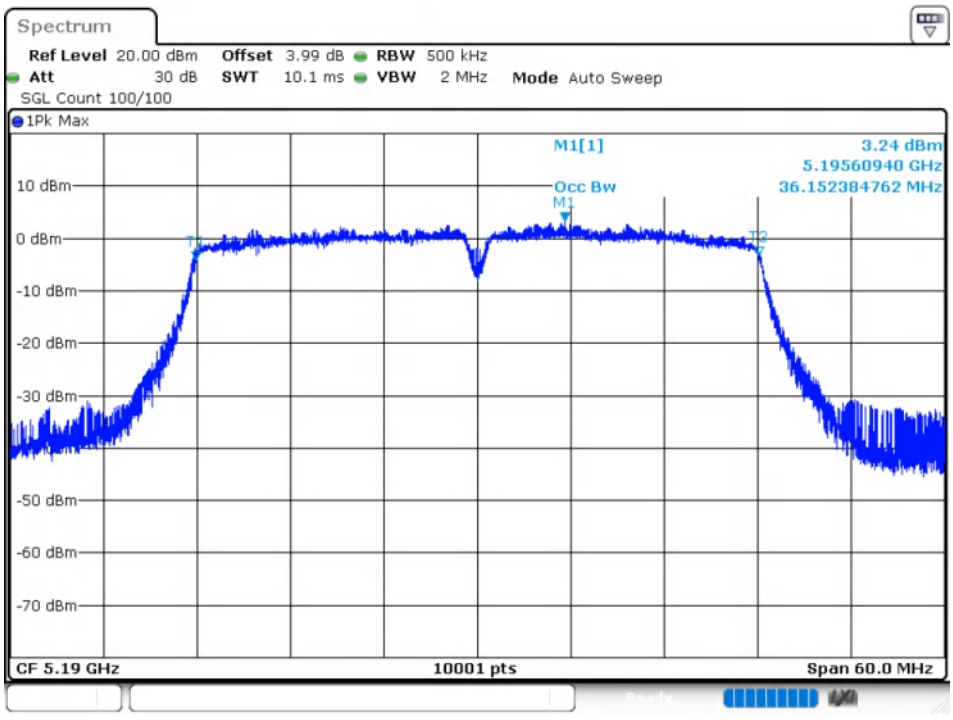
OBW NVNT n20 5240MHz Ant2



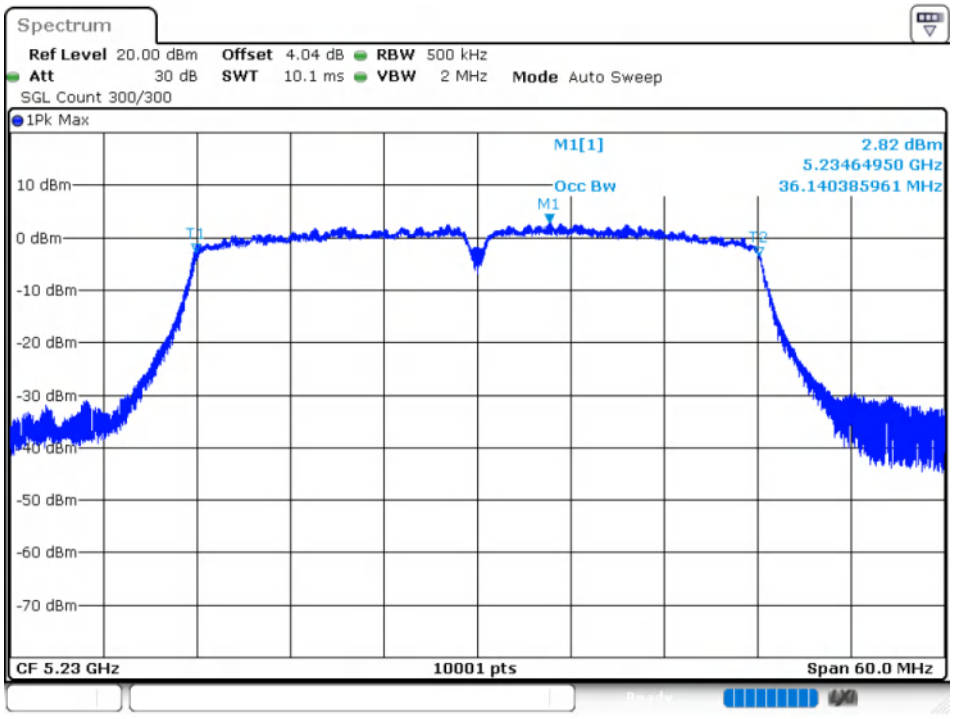
OBW NVNT n40 5190MHz Ant1



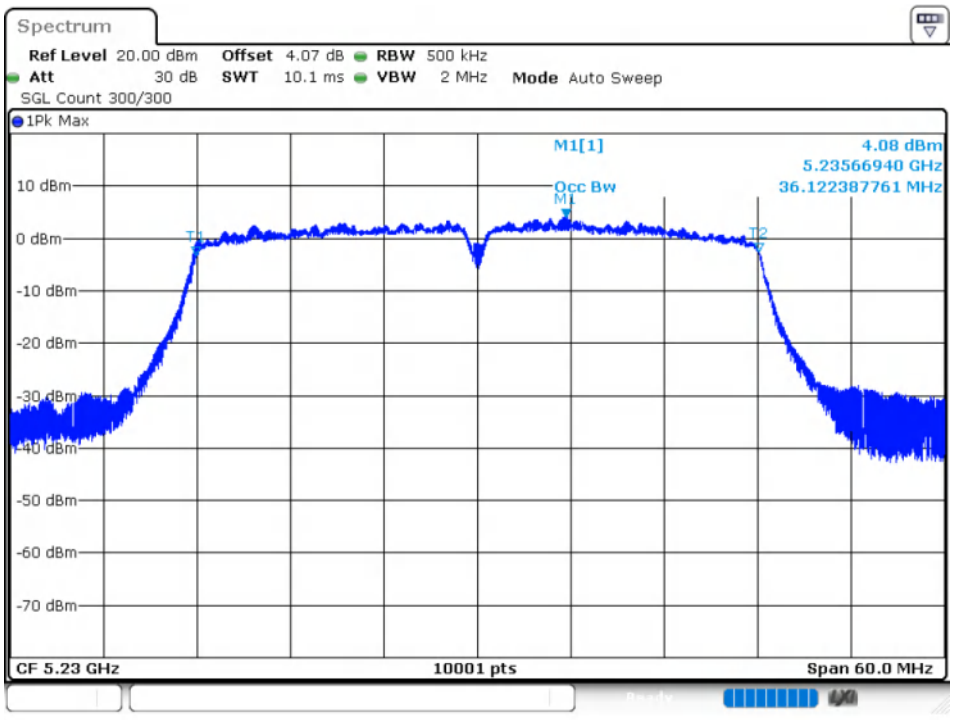
OBW NVNT n40 5190MHz Ant2



OBW NVNT n40 5230MHz Ant1

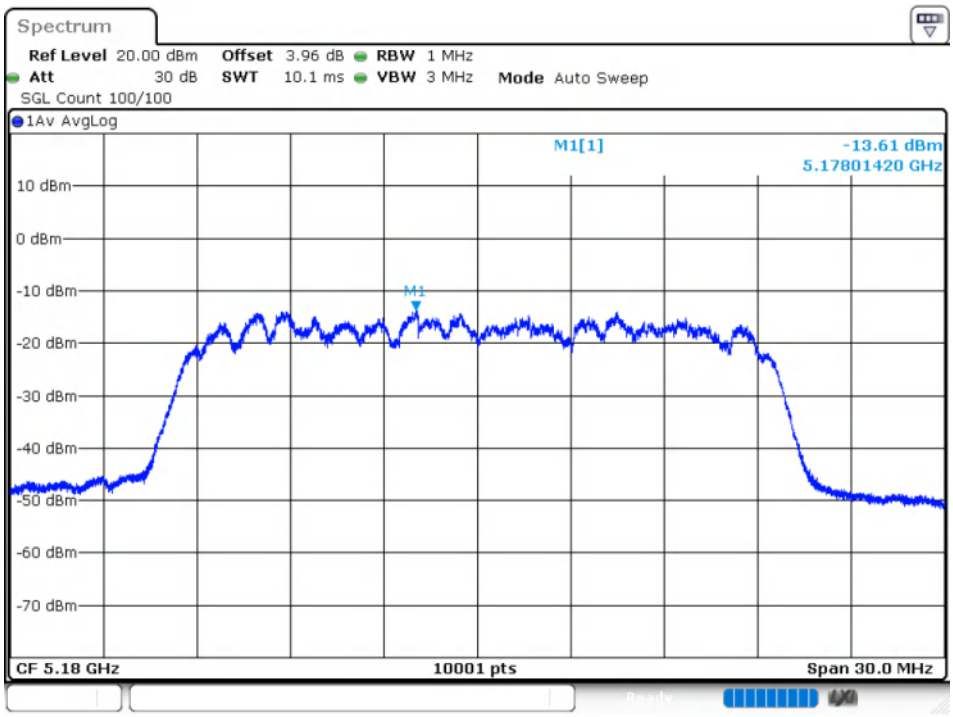
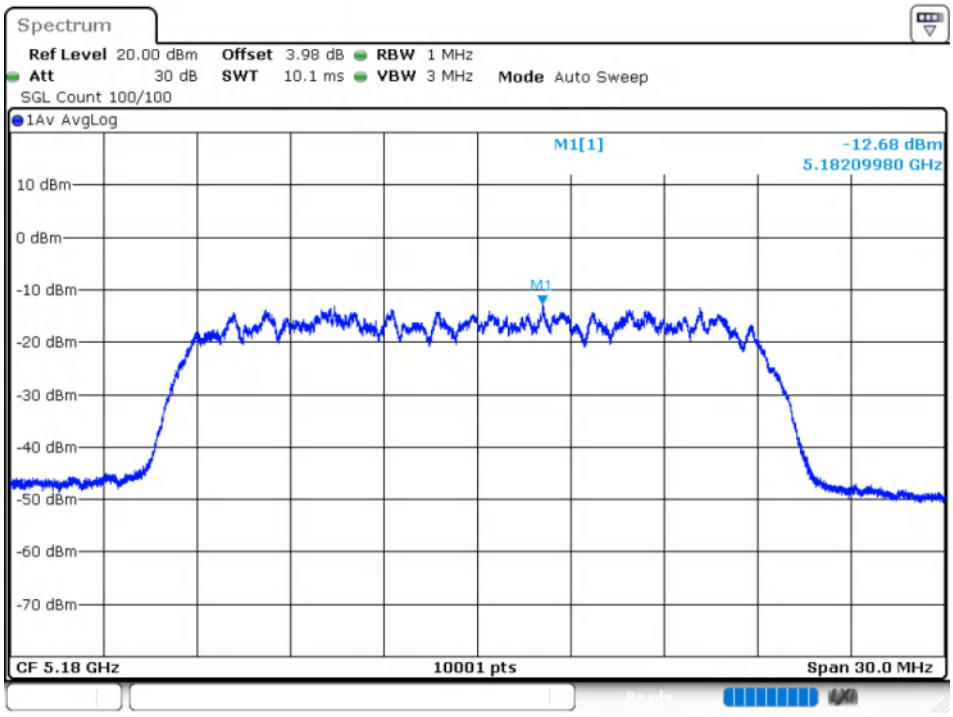


OBW NVNT n40 5230MHz Ant2

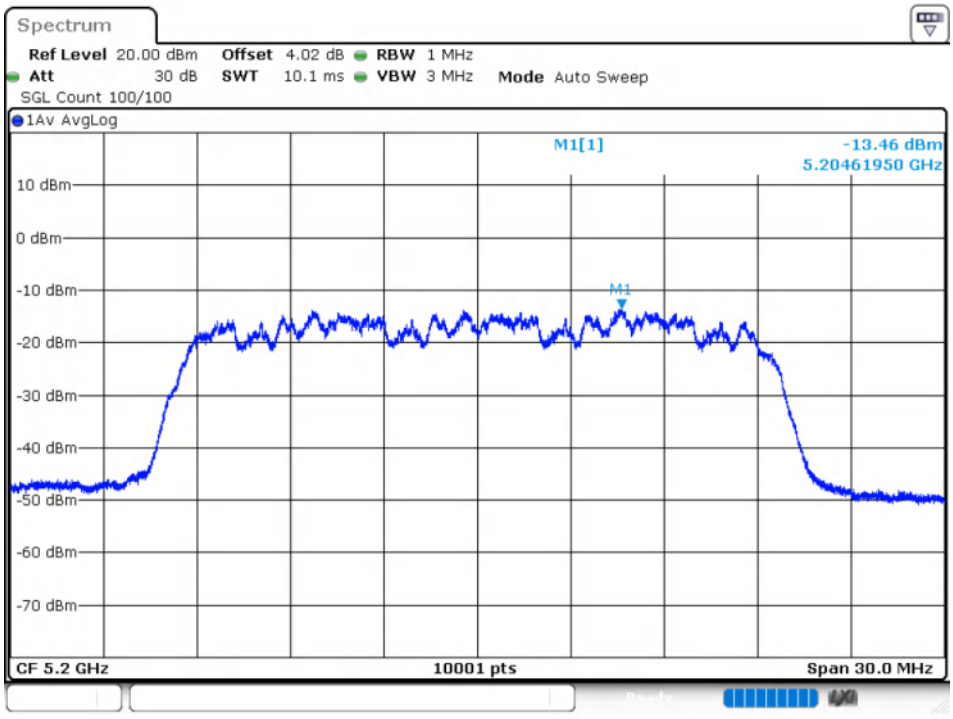


Maximum Power Spectral Density Level

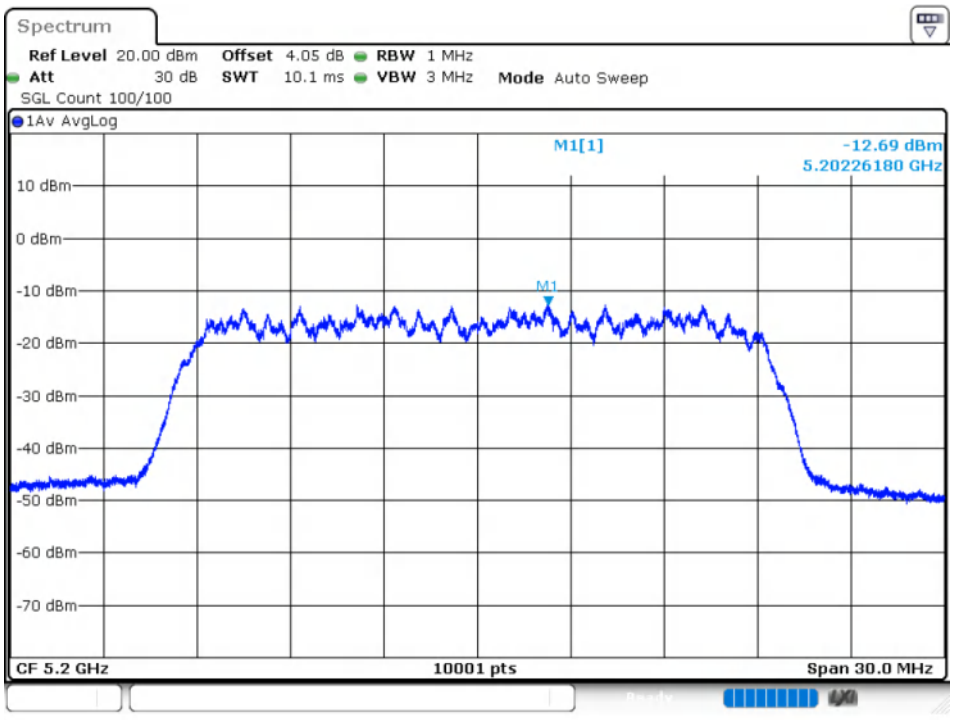
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5180	Ant1	-13.61	1.4	-12.21	10.44	Pass
NVNT	ac20	5180	Ant2	-12.68	1.4	-11.28	10.44	Pass
NVNT	ac20	5180	Sum	-10.11	1.4	-8.71	10.44	Pass
NVNT	ac20	5200	Ant1	-13.46	1.4	-12.06	10.44	Pass
NVNT	ac20	5200	Ant2	-12.69	1.4	-11.29	10.44	Pass
NVNT	ac20	5200	Sum	-10.05	1.4	-8.65	10.44	Pass
NVNT	ac20	5240	Ant1	-12.99	1.4	-11.59	10.44	Pass
NVNT	ac20	5240	Ant2	-12.98	1.4	-11.58	10.44	Pass
NVNT	ac20	5240	Sum	-9.97	1.4	-8.57	10.44	Pass
NVNT	ac40	5190	Ant1	-23.9	2.48	-21.42	10.44	Pass
NVNT	ac40	5190	Ant2	-21.16	2.48	-18.68	10.44	Pass
NVNT	ac40	5190	Sum	-19.31	2.48	-16.83	10.44	Pass
NVNT	ac40	5230	Ant1	-23.67	2.48	-21.19	10.44	Pass
NVNT	ac40	5230	Ant2	-22.95	2.48	-20.47	10.44	Pass
NVNT	ac40	5230	Sum	-20.28	2.48	-17.8	10.44	Pass
NVNT	ac80	5210	Ant1	-33.57	4	-29.57	10.44	Pass
NVNT	ac80	5210	Ant2	-30.88	4	-26.88	10.44	Pass
NVNT	ac80	5210	Sum	-29.01	4	-25.01	10.44	Pass
NVNT	n20	5180	Ant1	-12.16	1.4	-10.76	10.44	Pass
NVNT	n20	5180	Ant2	-11.49	1.4	-10.09	10.44	Pass
NVNT	n20	5180	Sum	-8.8	1.4	-7.4	10.44	Pass
NVNT	n20	5200	Ant1	-11.38	1.4	-9.98	10.44	Pass
NVNT	n20	5200	Ant2	-11.04	1.4	-9.64	10.44	Pass
NVNT	n20	5200	Sum	-8.2	1.4	-6.8	10.44	Pass
NVNT	n20	5240	Ant1	-11.51	1.41	-10.1	10.44	Pass
NVNT	n20	5240	Ant2	-9.61	1.41	-8.2	10.44	Pass
NVNT	n20	5240	Sum	-7.45	1.41	-6.04	10.44	Pass
NVNT	n40	5190	Ant1	-23.9	2.47	-21.43	10.44	Pass
NVNT	n40	5190	Ant2	-21.63	2.47	-19.16	10.44	Pass
NVNT	n40	5190	Sum	-19.61	2.47	-17.14	10.44	Pass
NVNT	n40	5230	Ant1	-21.08	2.48	-18.6	10.44	Pass
NVNT	n40	5230	Ant2	-20.67	2.48	-18.19	10.44	Pass
NVNT	n40	5230	Sum	-17.86	2.48	-15.38	10.44	Pass

Test Graphs
PSD NVNT ac20 5180MHz Ant1

PSD NVNT ac20 5180MHz Ant2


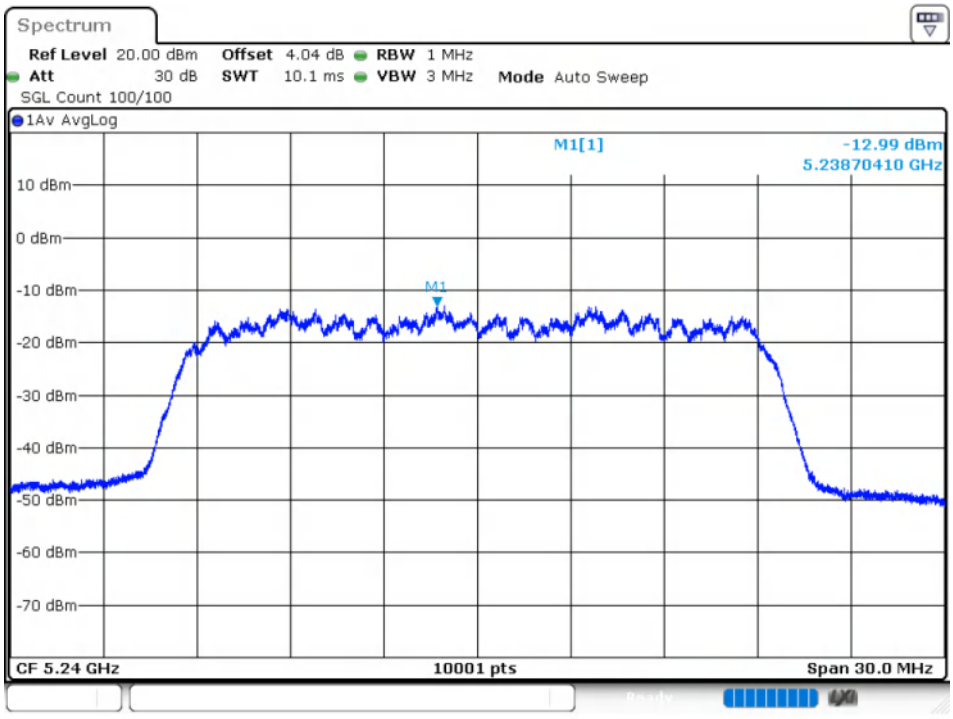
PSD NVNT ac20 5200MHz Ant1



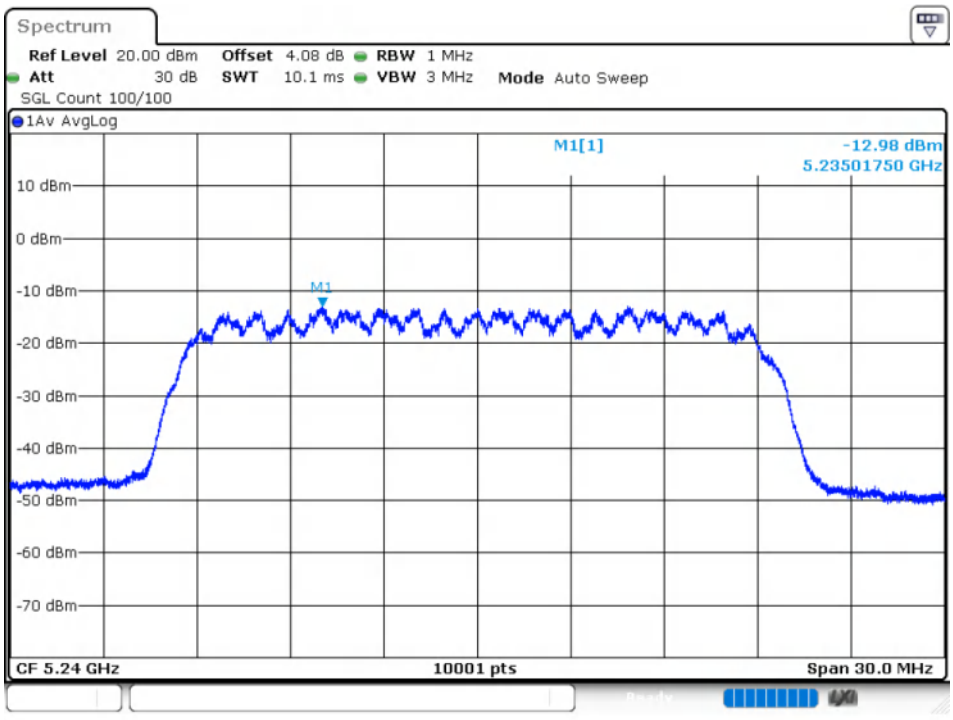
PSD NVNT ac20 5200MHz Ant2



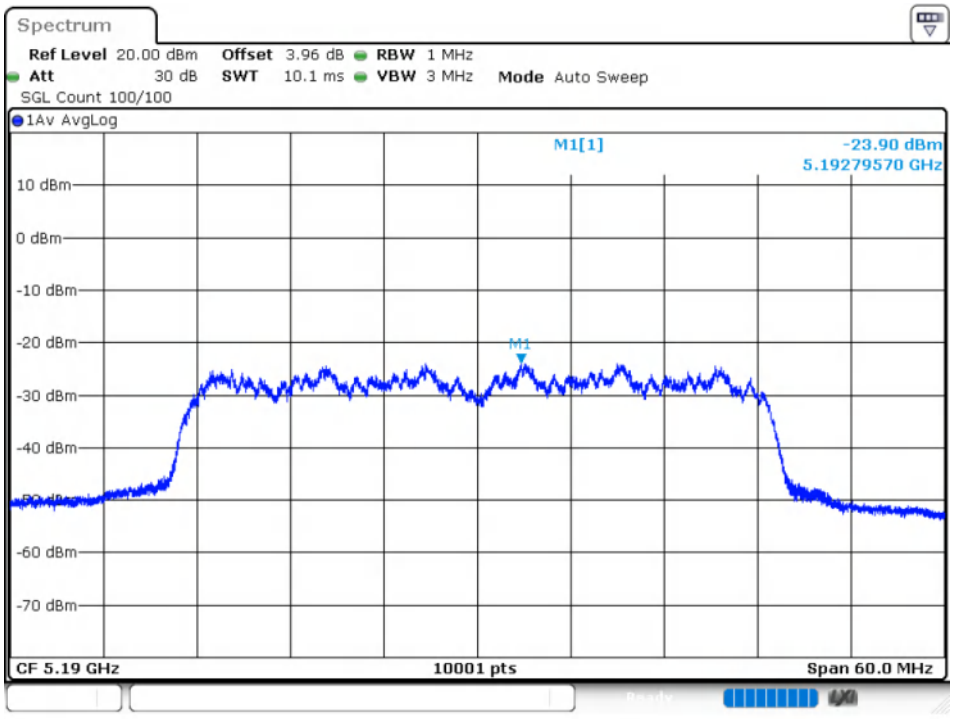
PSD NVNT ac20 5240MHz Ant1



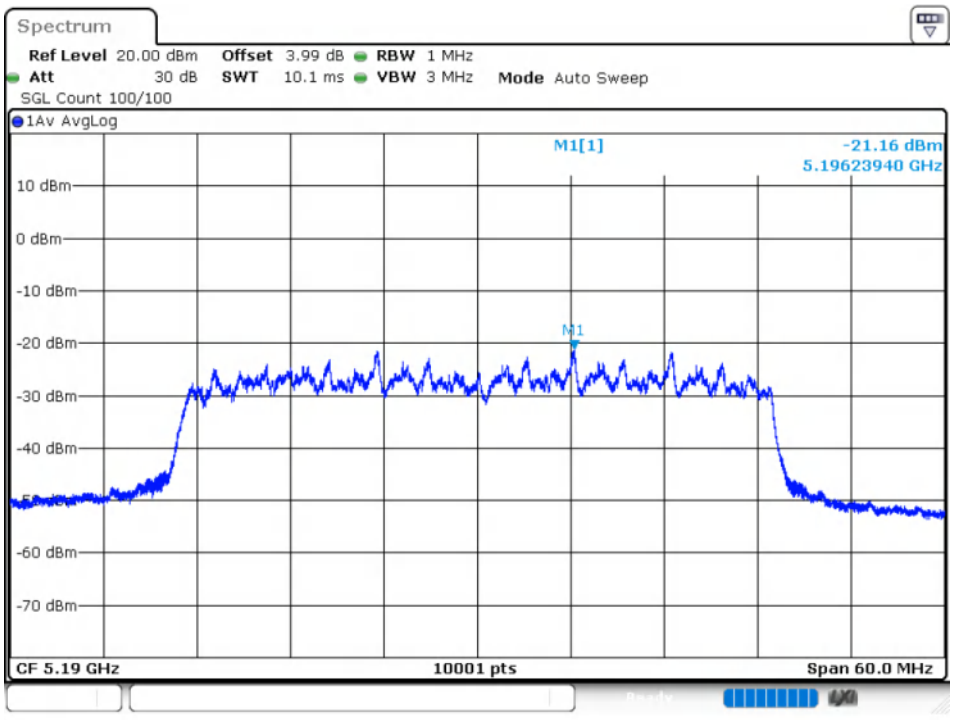
PSD NVNT ac20 5240MHz Ant2



PSD NVNT ac40 5190MHz Ant1



PSD NVNT ac40 5190MHz Ant2



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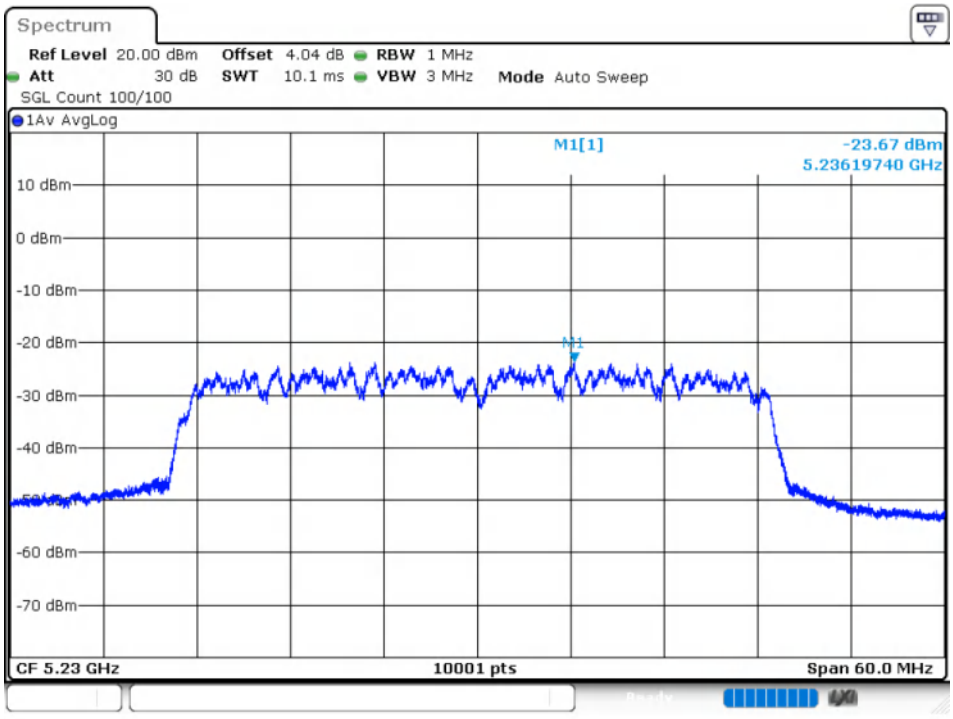
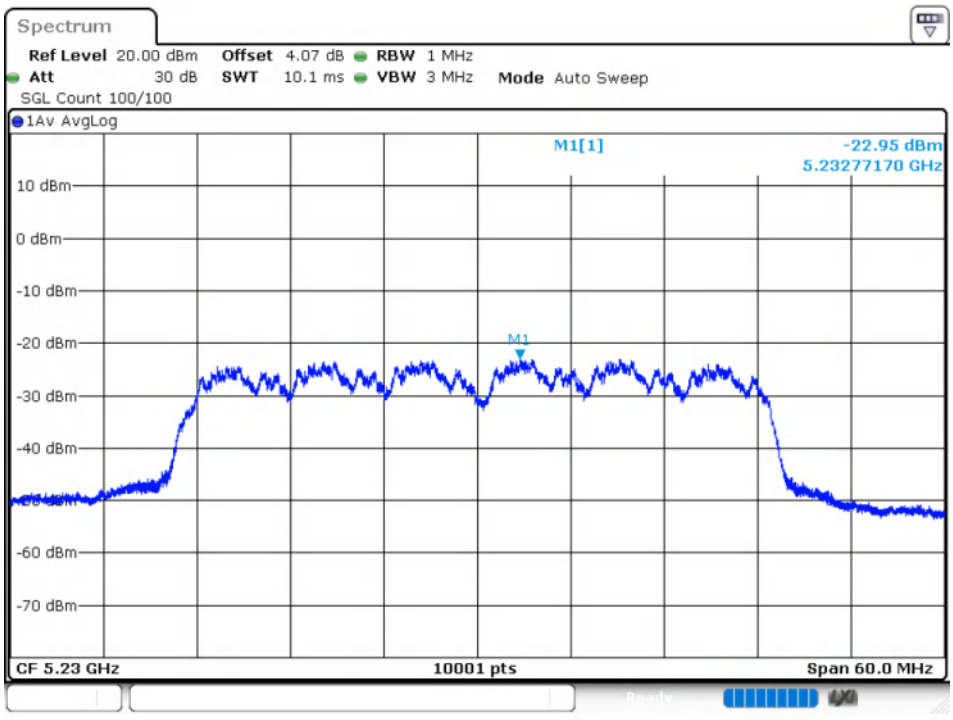
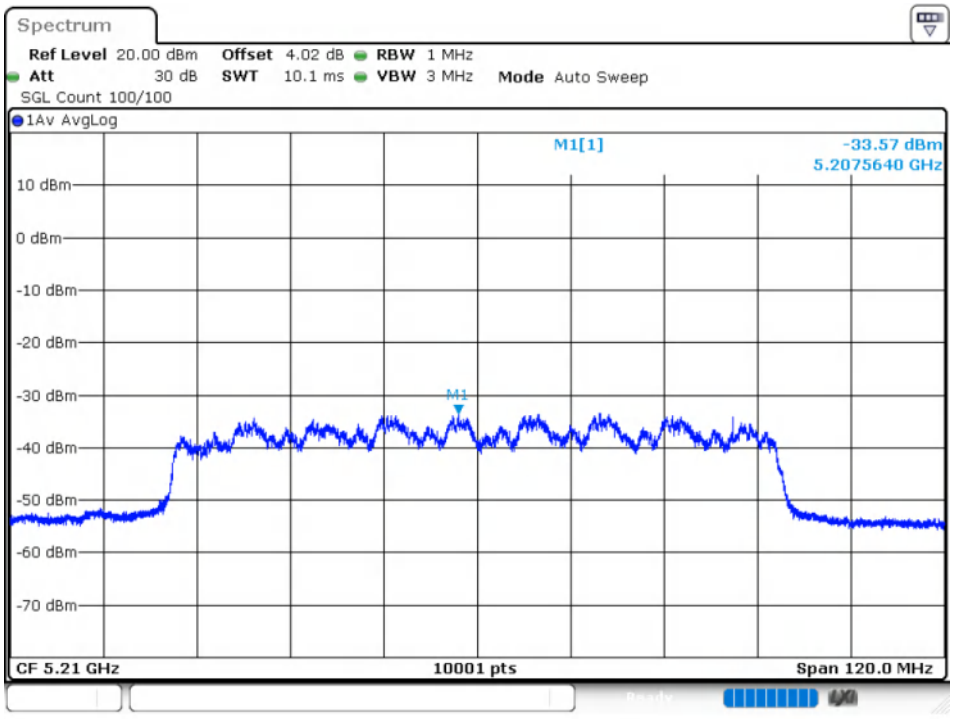


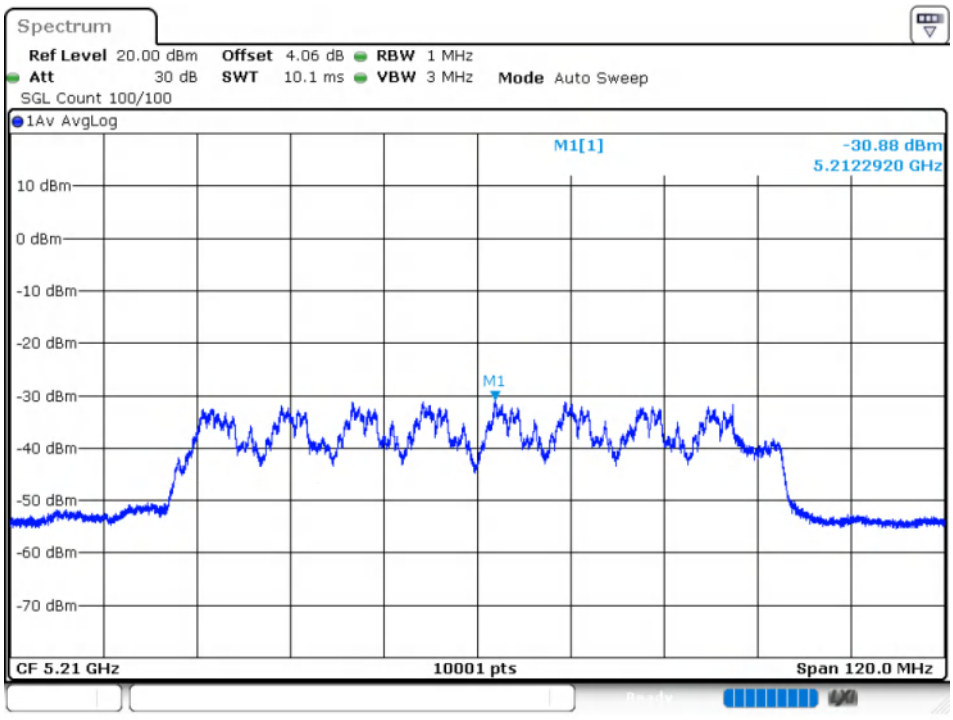
PSD NVNT ac40 5230MHz Ant2



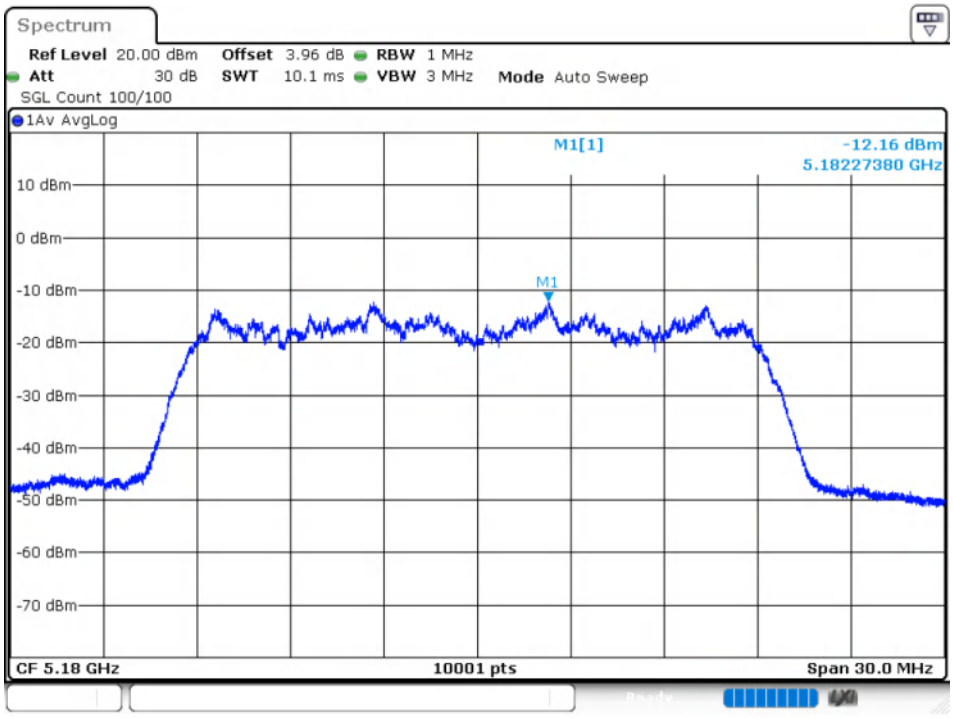
PSD NVNT ac80 5210MHz Ant1



PSD NVNT ac80 5210MHz Ant2



PSD NVNT n20 5180MHz Ant1



PSD NVNT n20 5180MHz Ant2