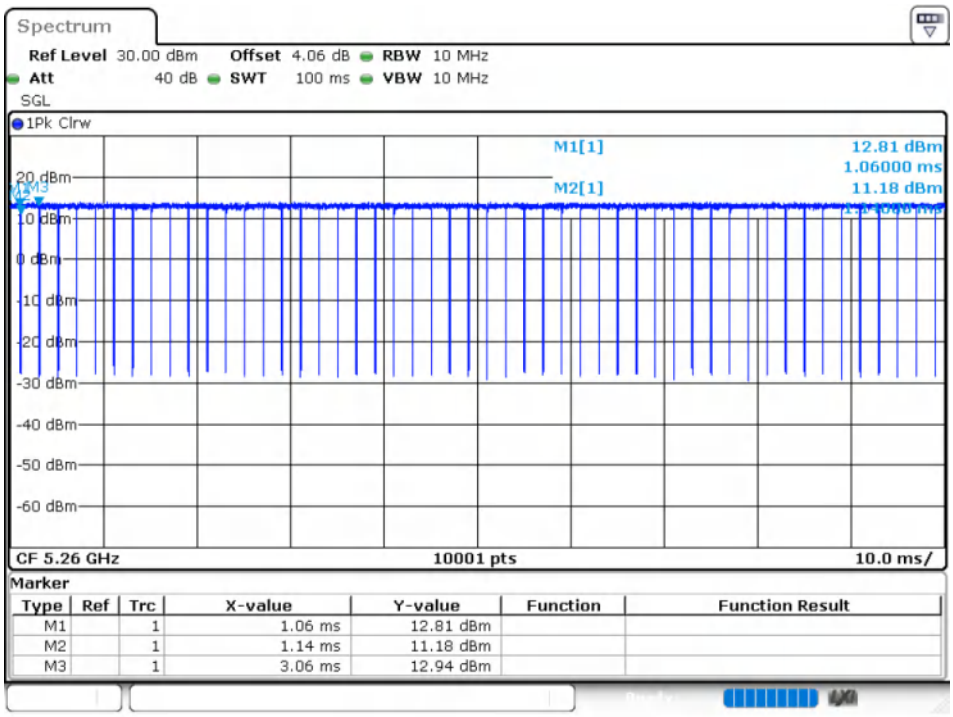
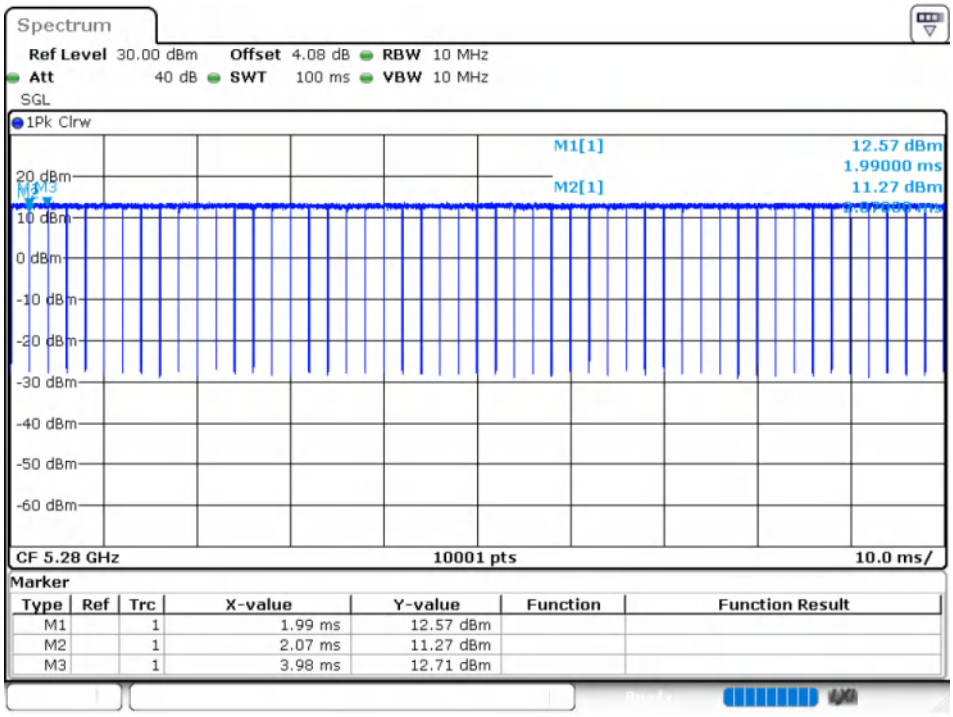
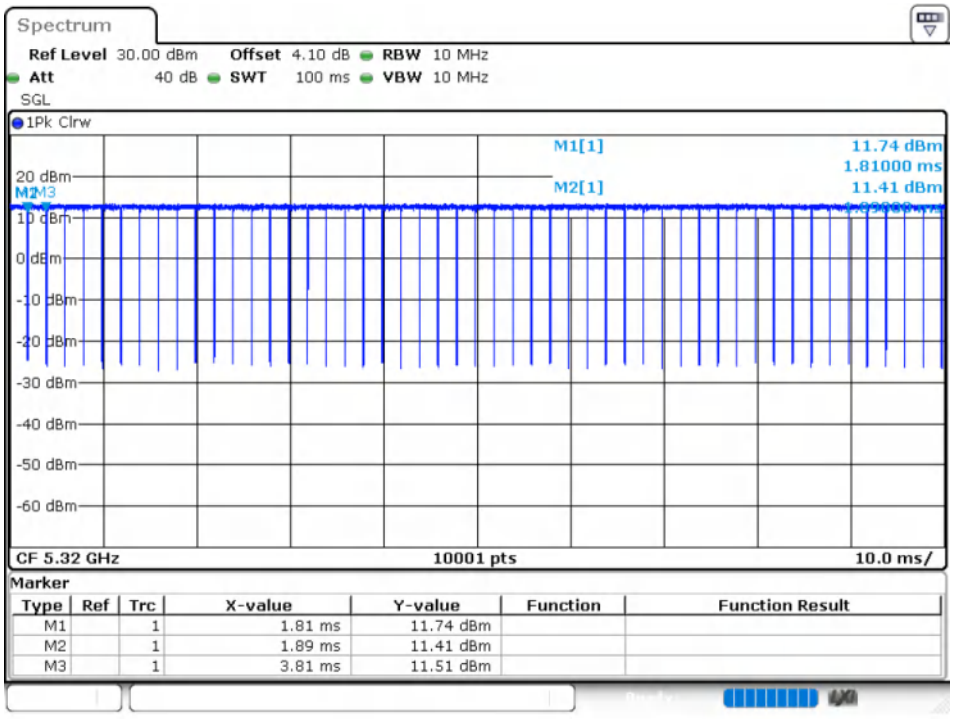
Test Graphs
Duty Cycle NVNT ac20 5260MHz Sum



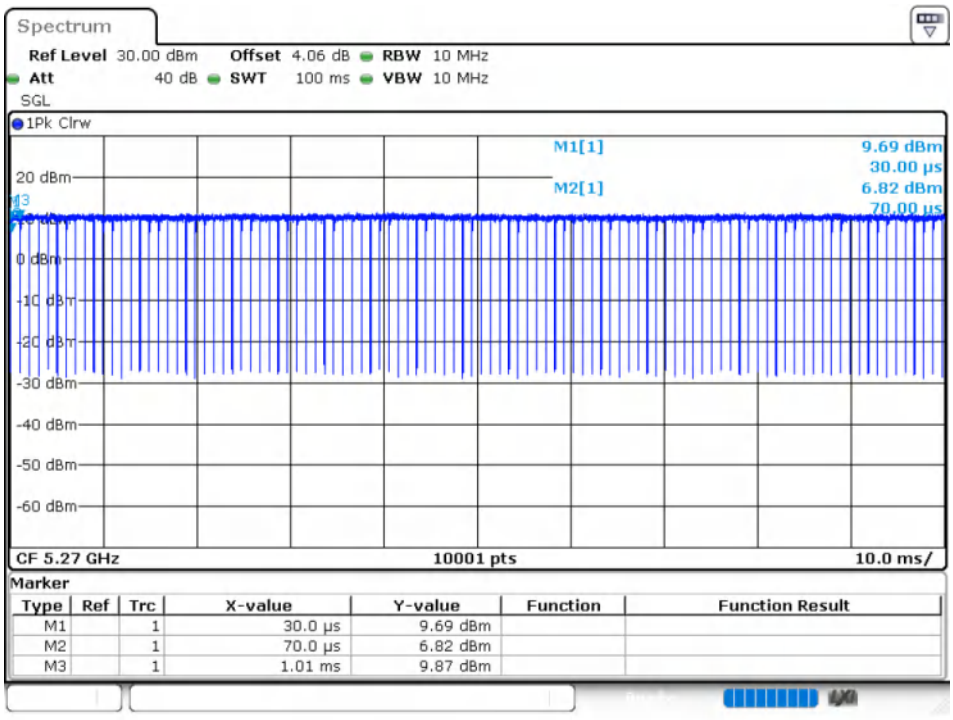
Duty Cycle NVNT ac20 5280MHz Sum



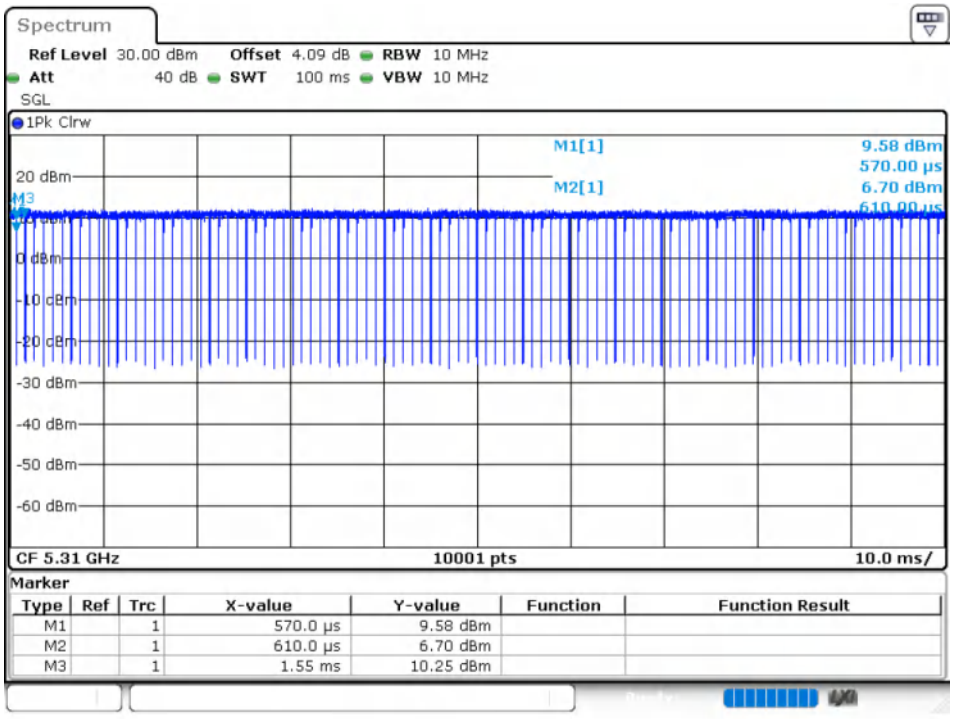
Duty Cycle NVNT ac20 5320MHz Sum



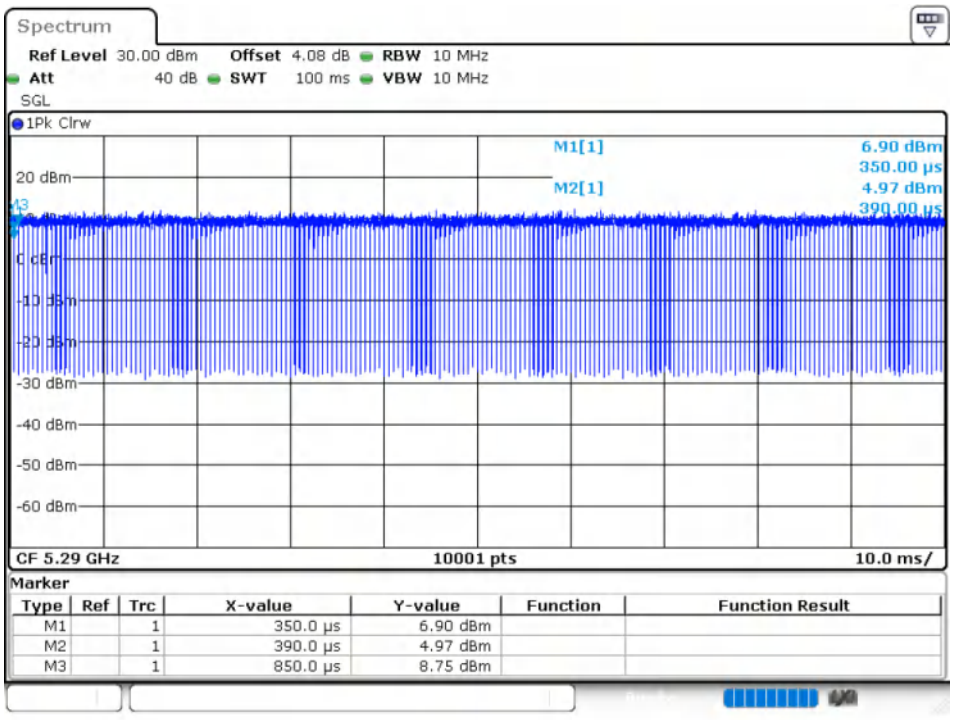
Duty Cycle NVNT ac40 5270MHz Sum

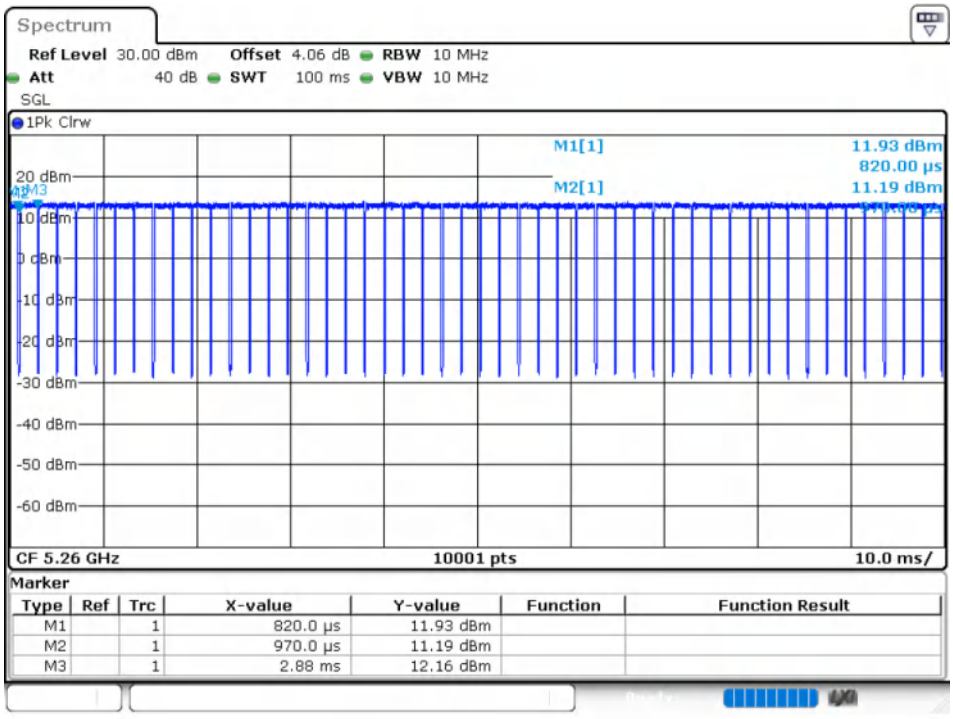


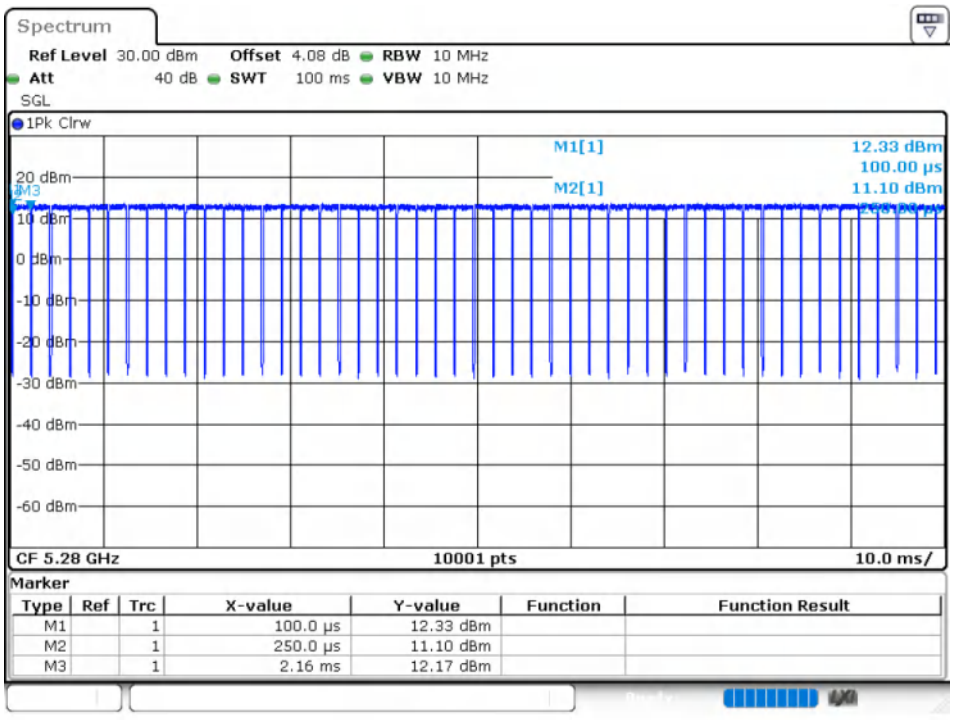
Duty Cycle NVNT ac40 5310MHz Sum



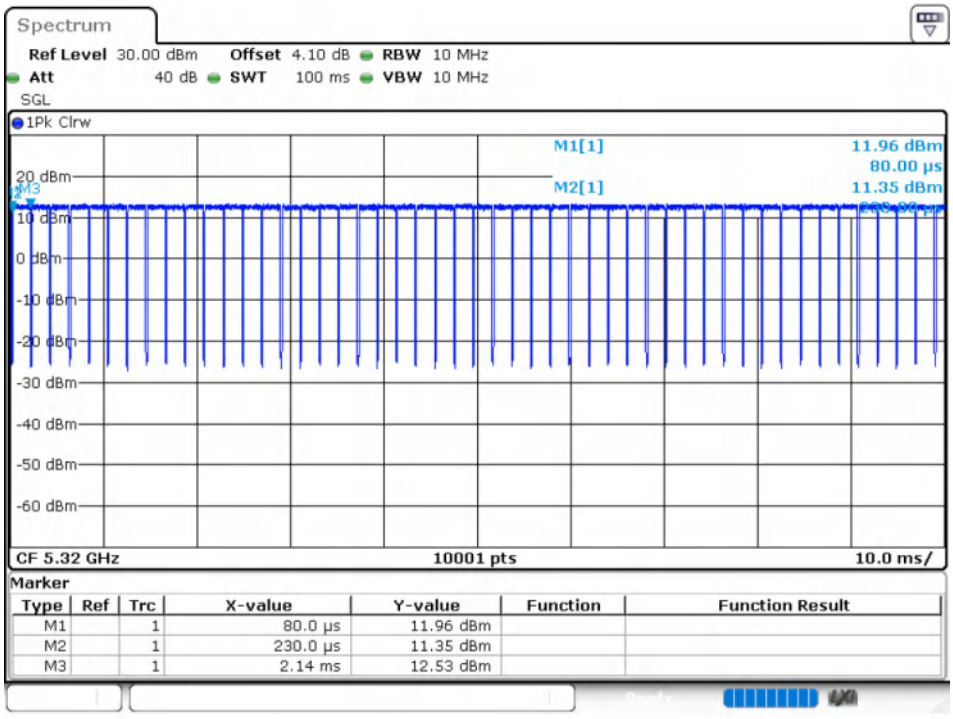
Duty Cycle NVNT ac80 5290MHz Sum



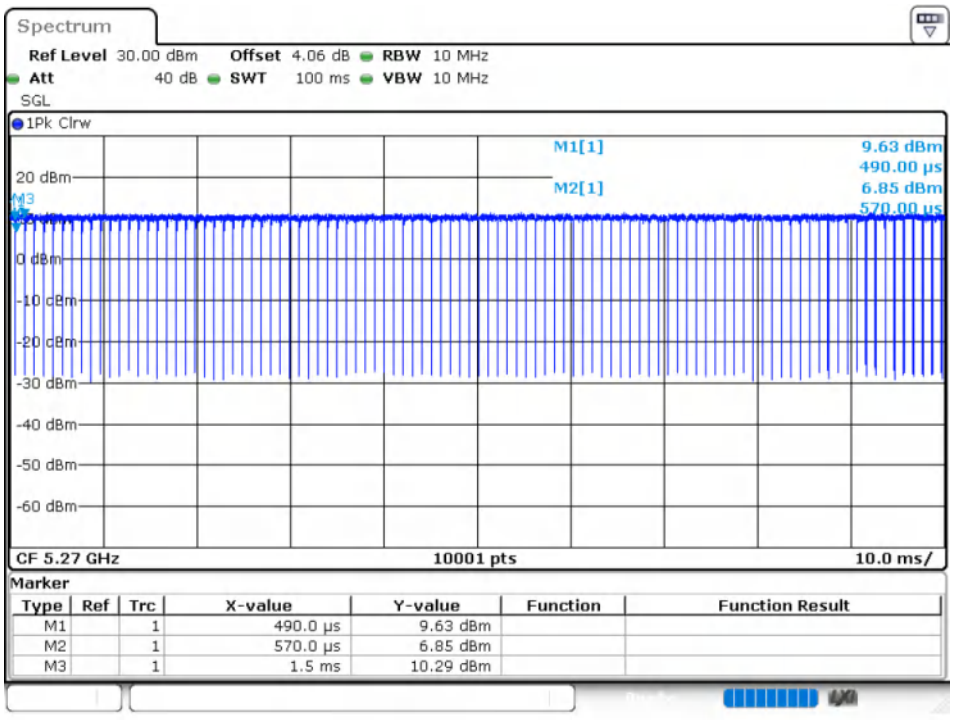
Duty Cycle NVNT n20 5260MHz Sum


Duty Cycle NVNT n20 5280MHz Sum


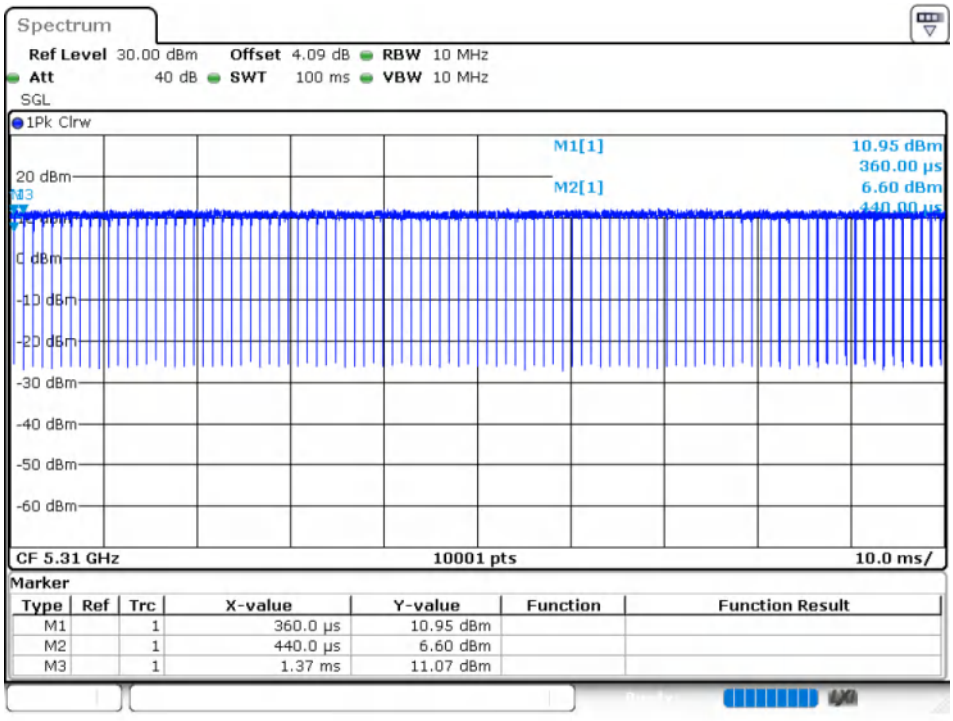
Duty Cycle NVNT n20 5320MHz Sum



Duty Cycle NVNT n40 5270MHz Sum



Duty Cycle NVNT n40 5310MHz Sum



Maximum Conducted Output Power

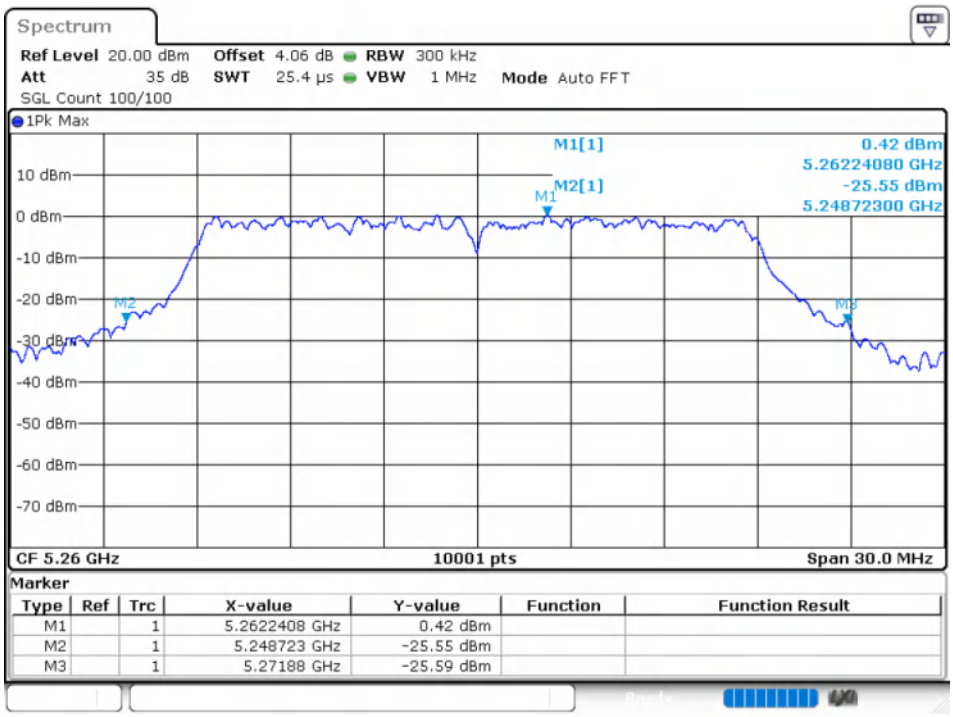
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5260	Ant1	11.21	23.44	Pass
NVNT	ac20	5260	Ant2	10.9	23.44	Pass
NVNT	ac20	5260	Sum	14.07	23.44	Pass
NVNT	ac20	5280	Ant1	11.25	23.44	Pass
NVNT	ac20	5280	Ant2	11.11	23.44	Pass
NVNT	ac20	5280	Sum	14.19	23.44	Pass
NVNT	ac20	5320	Ant1	11.49	23.44	Pass
NVNT	ac20	5320	Ant2	11.2	23.44	Pass
NVNT	ac20	5320	Sum	14.36	23.44	Pass
NVNT	ac40	5270	Ant1	11.21	23.44	Pass
NVNT	ac40	5270	Ant2	11.24	23.44	Pass
NVNT	ac40	5270	Sum	14.24	23.44	Pass
NVNT	ac40	5310	Ant1	11.74	23.44	Pass
NVNT	ac40	5310	Ant2	11.28	23.44	Pass
NVNT	ac40	5310	Sum	14.53	23.44	Pass
NVNT	ac80	5290	Ant1	11.57	23.44	Pass
NVNT	ac80	5290	Ant2	11.41	23.44	Pass
NVNT	ac80	5290	Sum	14.5	23.44	Pass
NVNT	n20	5260	Ant1	11.16	23.44	Pass
NVNT	n20	5260	Ant2	11.02	23.44	Pass
NVNT	n20	5260	Sum	14.1	23.44	Pass
NVNT	n20	5280	Ant1	11.24	23.44	Pass
NVNT	n20	5280	Ant2	11.29	23.44	Pass
NVNT	n20	5280	Sum	14.28	23.44	Pass
NVNT	n20	5320	Ant1	11.84	23.44	Pass
NVNT	n20	5320	Ant2	11.2	23.44	Pass
NVNT	n20	5320	Sum	14.54	23.44	Pass
NVNT	n40	5270	Ant1	11.29	23.44	Pass
NVNT	n40	5270	Ant2	11.16	23.44	Pass
NVNT	n40	5270	Sum	14.24	23.44	Pass
NVNT	n40	5310	Ant1	11.68	23.44	Pass
NVNT	n40	5310	Ant2	11.26	23.44	Pass
NVNT	n40	5310	Sum	14.49	23.44	Pass

Note:The test has added Duty Factor.

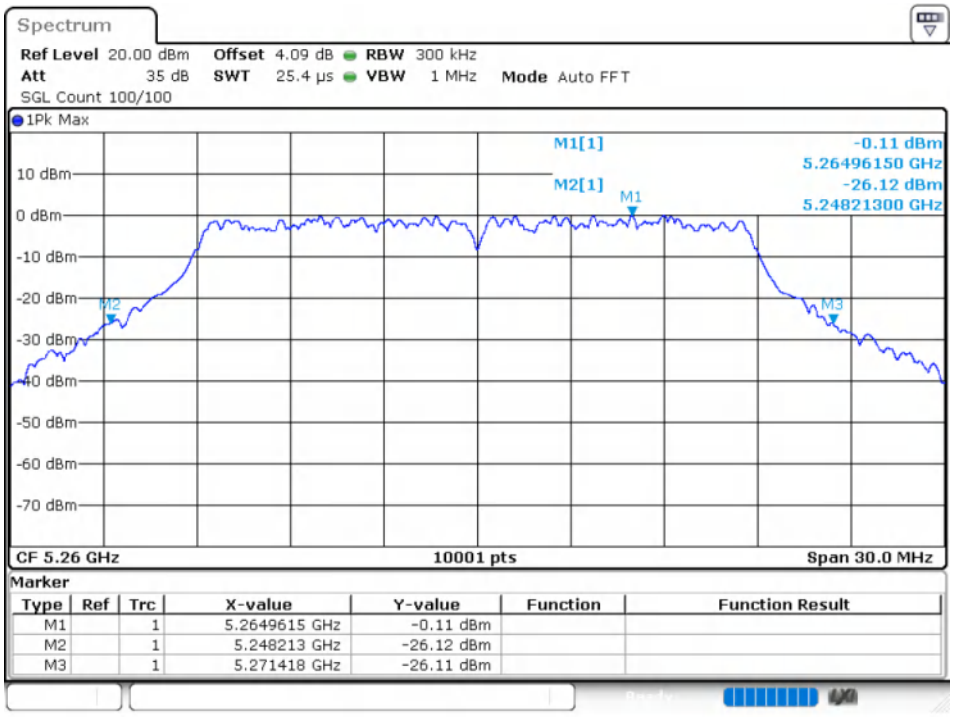
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	ac20	5260	Ant1	23.157	0.5	Pass
NVNT	ac20	5260	Ant2	23.205	0.5	Pass
NVNT	ac20	5280	Ant1	23.091	0.5	Pass
NVNT	ac20	5280	Ant2	23.124	0.5	Pass
NVNT	ac20	5320	Ant1	25.389	0.5	Pass
NVNT	ac20	5320	Ant2	22.434	0.5	Pass
NVNT	ac40	5270	Ant1	44.04	0.5	Pass
NVNT	ac40	5270	Ant2	44.802	0.5	Pass
NVNT	ac40	5310	Ant1	43.824	0.5	Pass
NVNT	ac40	5310	Ant2	44.082	0.5	Pass
NVNT	ac80	5290	Ant1	84.348	0.5	Pass
NVNT	ac80	5290	Ant2	85.044	0.5	Pass
NVNT	n20	5260	Ant1	21.948	0	Pass
NVNT	n20	5260	Ant2	23.172	0	Pass
NVNT	n20	5280	Ant1	23.292	0	Pass
NVNT	n20	5280	Ant2	23.697	0	Pass
NVNT	n20	5320	Ant1	24.111	0	Pass
NVNT	n20	5320	Ant2	23.73	0	Pass
NVNT	n40	5270	Ant1	43.584	0	Pass
NVNT	n40	5270	Ant2	44.664	0	Pass
NVNT	n40	5310	Ant1	44.37	0.5	Pass
NVNT	n40	5310	Ant2	43.242	0.5	Pass

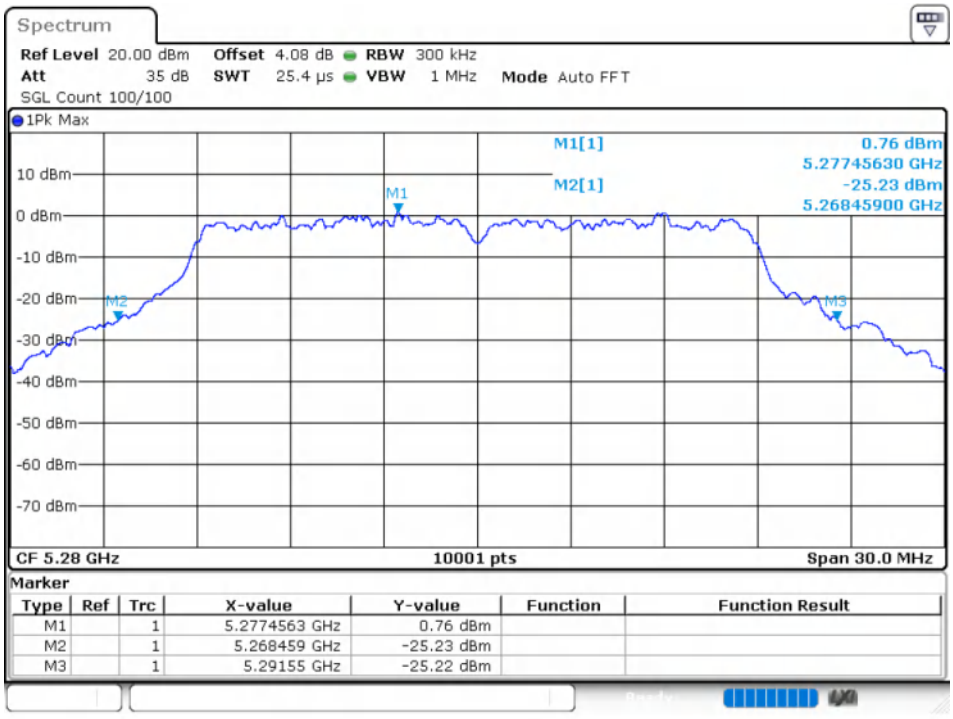
Test Graphs
-26dB Bandwidth NVNT ac20 5260MHz Ant1



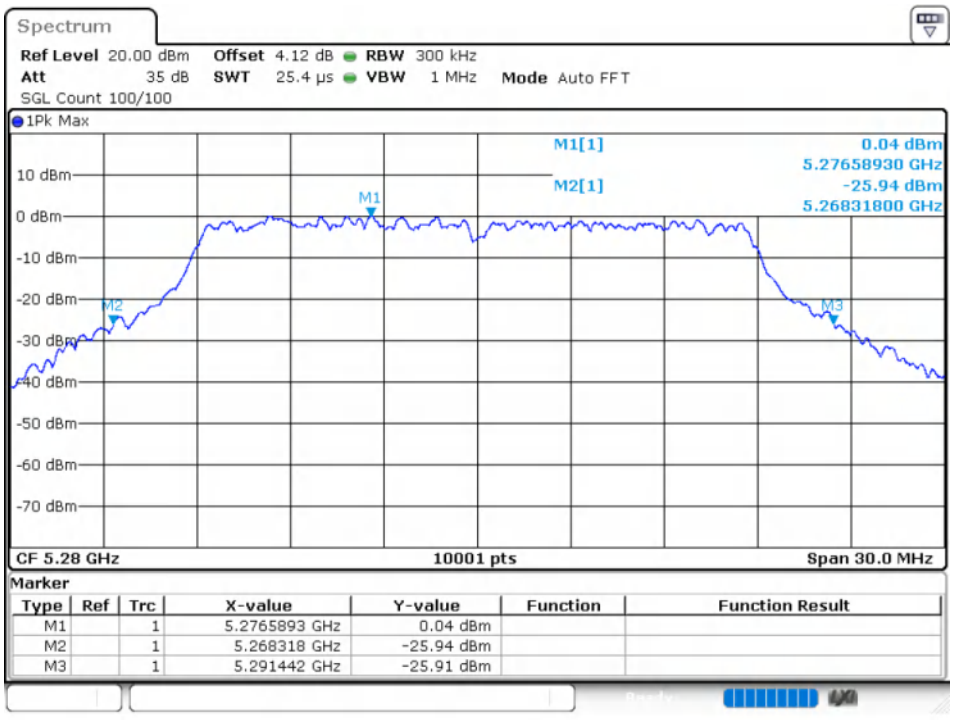
-26dB Bandwidth NVNT ac20 5260MHz Ant2



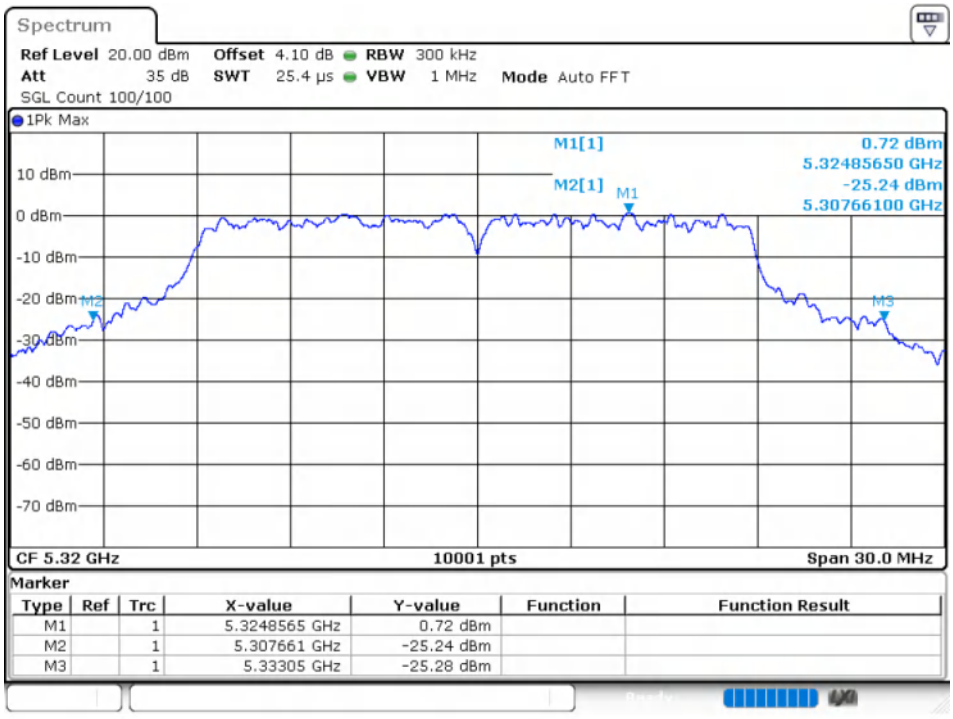
-26dB Bandwidth NVNT ac20 5280MHz Ant1



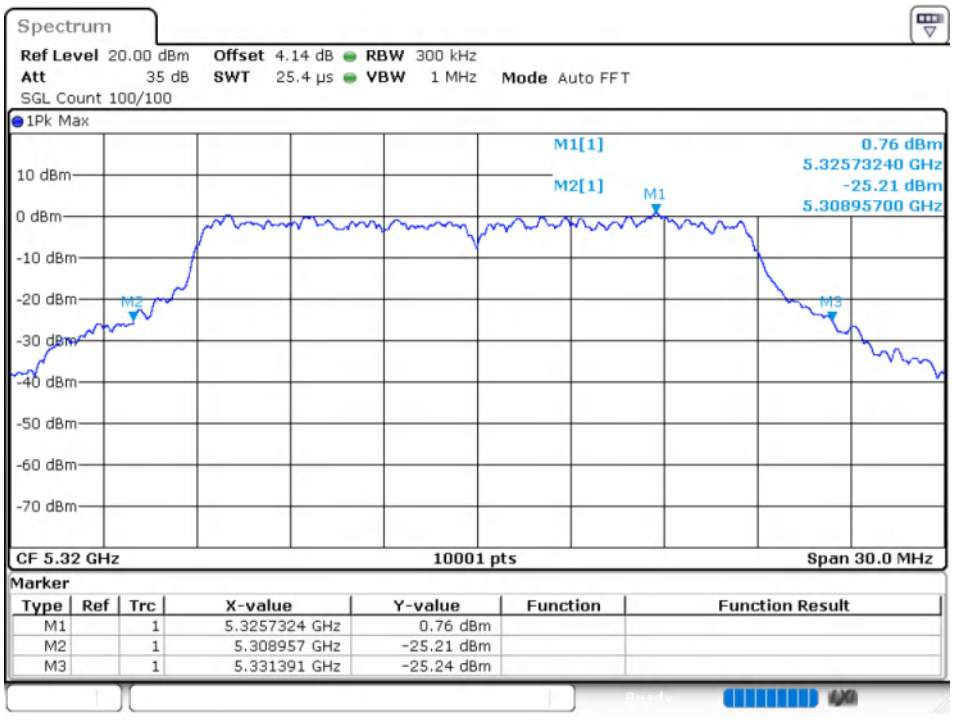
-26dB Bandwidth NVNT ac20 5280MHz Ant2



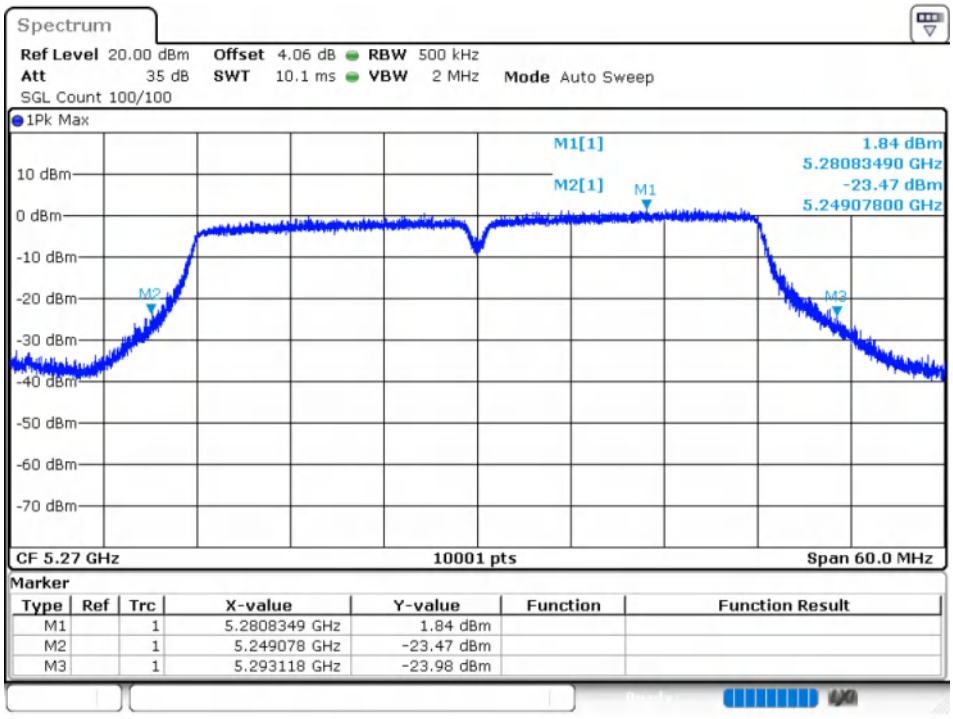
-26dB Bandwidth NVNT ac20 5320MHz Ant1



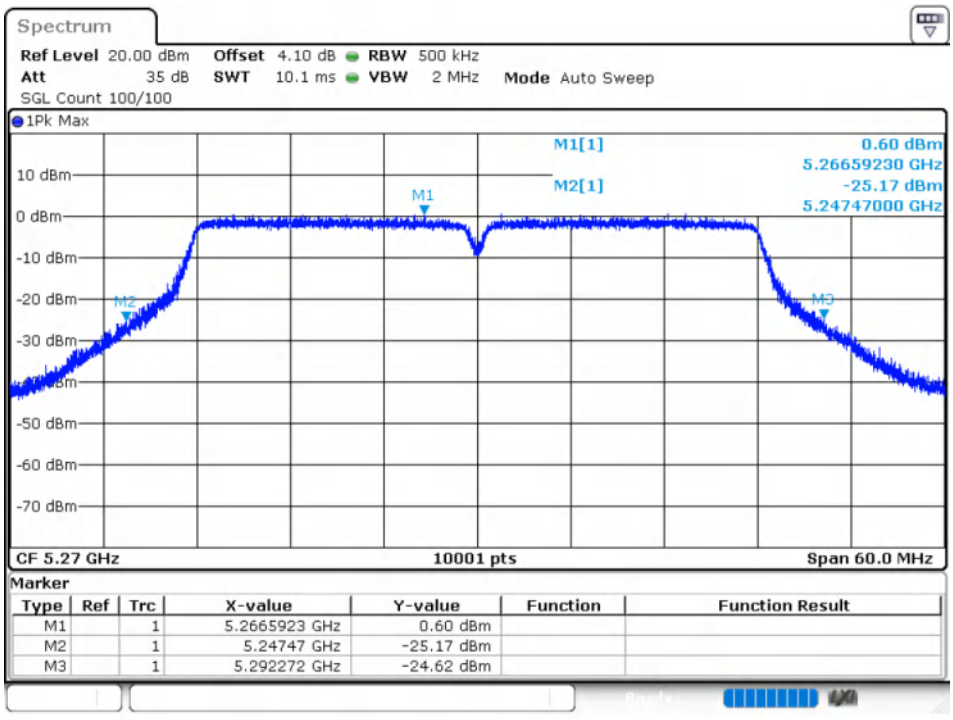
-26dB Bandwidth NVNT ac20 5320MHz Ant2



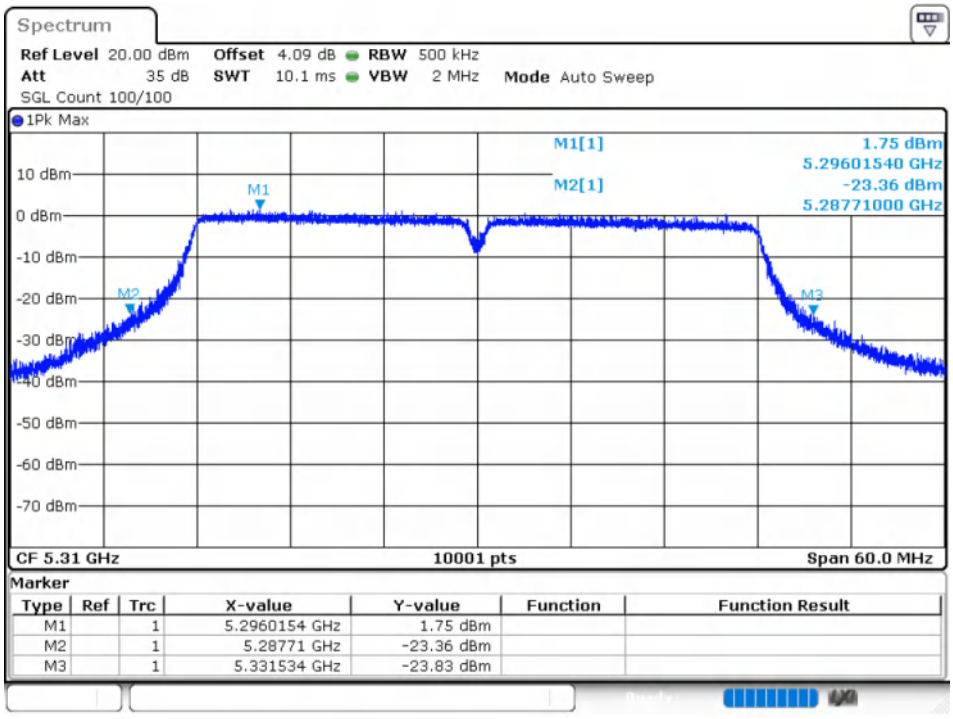
-26dB Bandwidth NVNT ac40 5270MHz Ant1



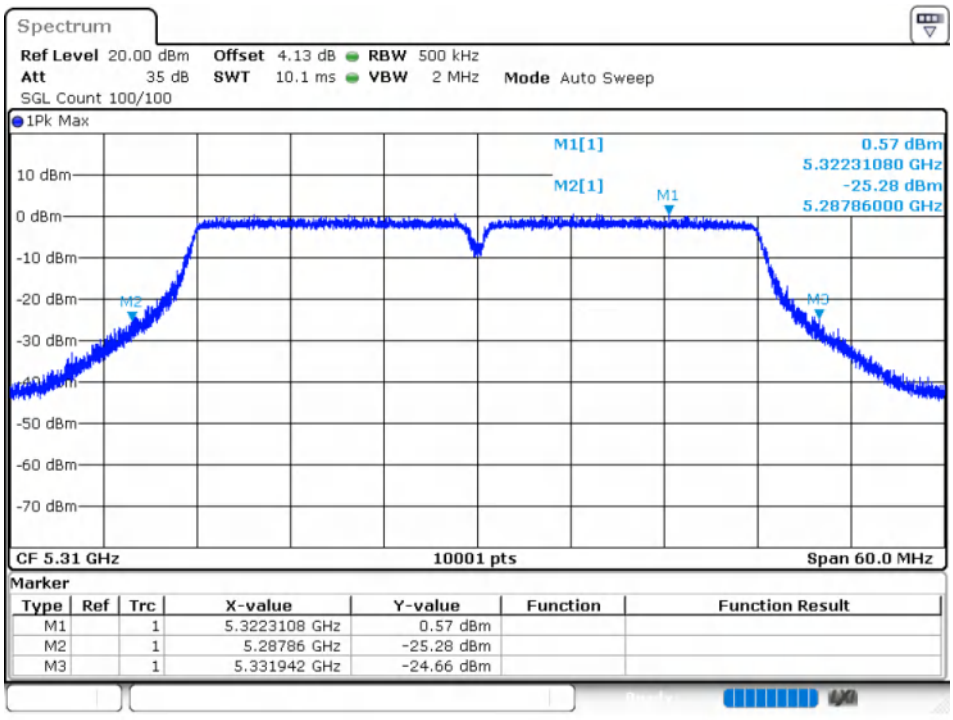
-26dB Bandwidth NVNT ac40 5270MHz Ant2



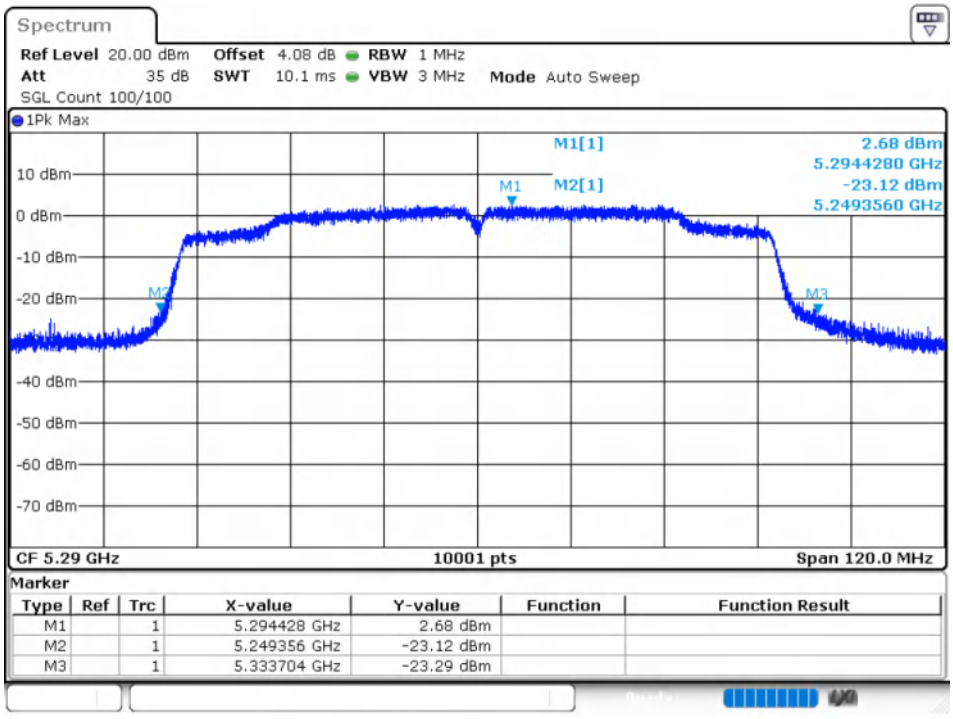
-26dB Bandwidth NVNT ac40 5310MHz Ant1



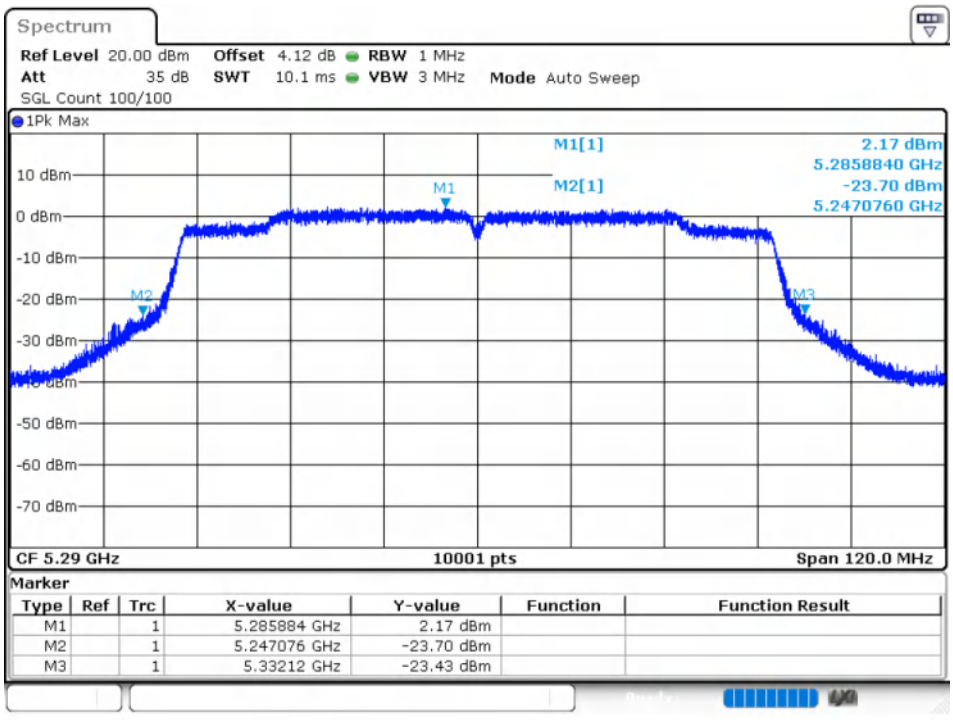
-26dB Bandwidth NVNT ac40 5310MHz Ant2



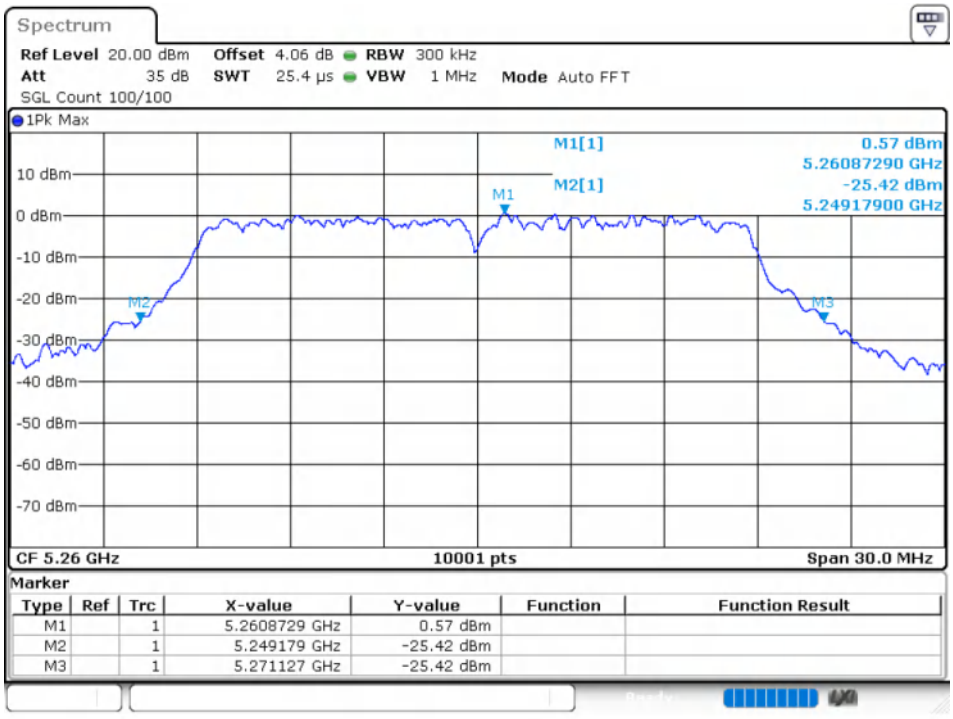
-26dB Bandwidth NVNT ac80 5290MHz Ant1



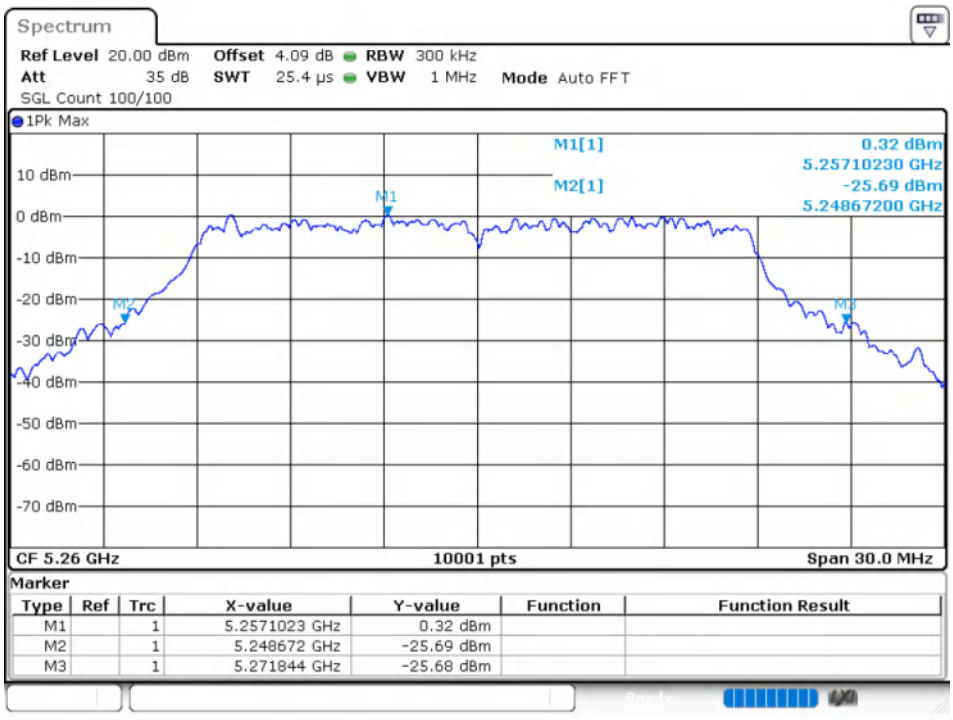
-26dB Bandwidth NVNT ac80 5290MHz Ant2



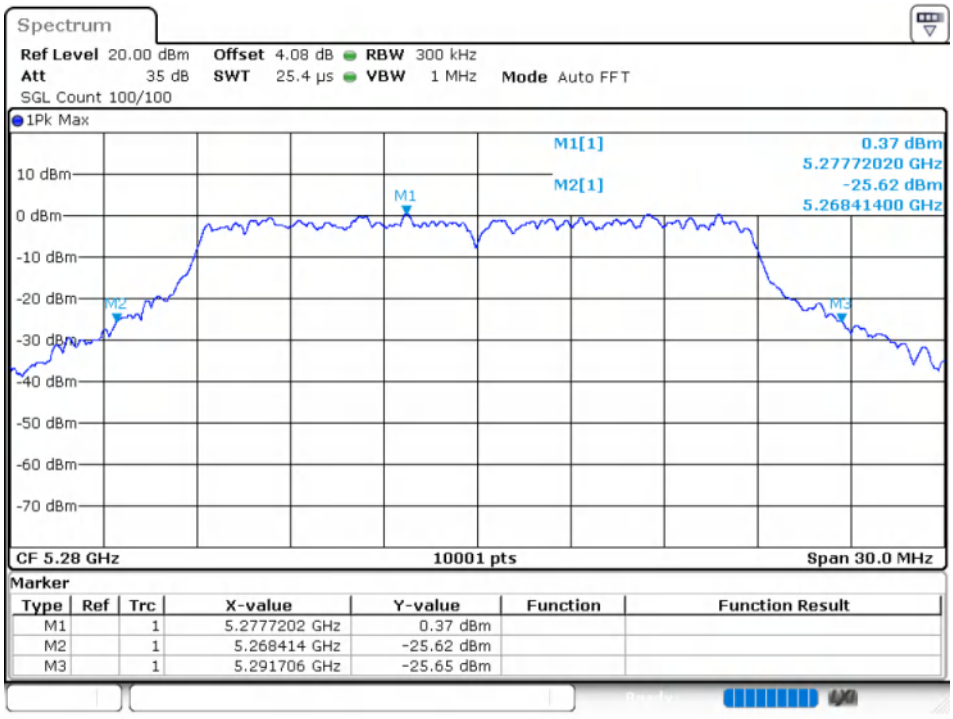
-26dB Bandwidth NVNT n20 5260MHz Ant1



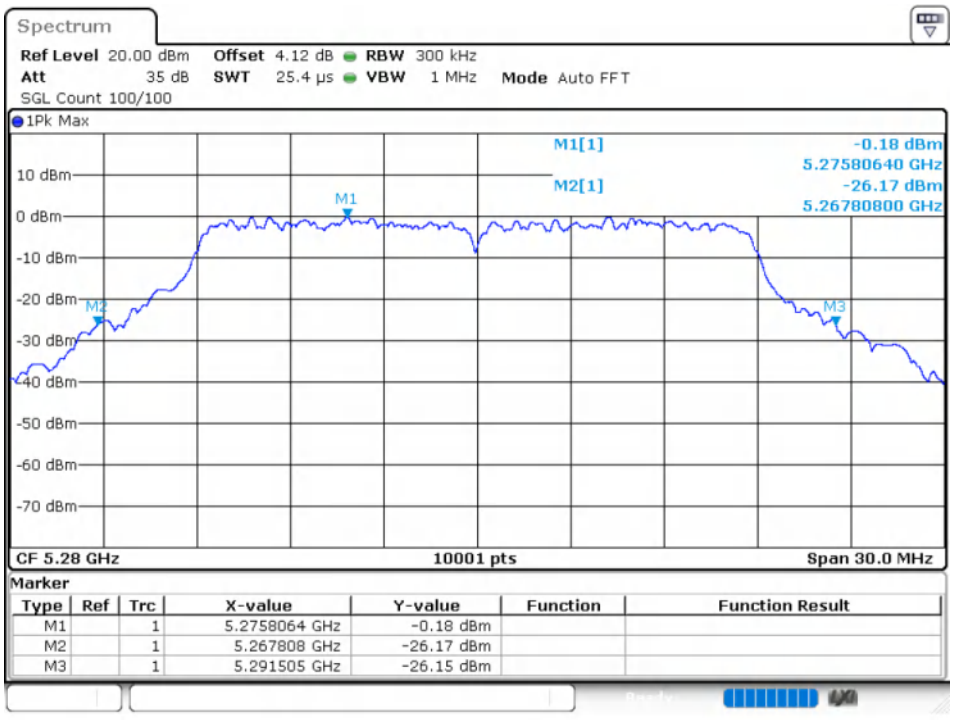
-26dB Bandwidth NVNT n20 5260MHz Ant2



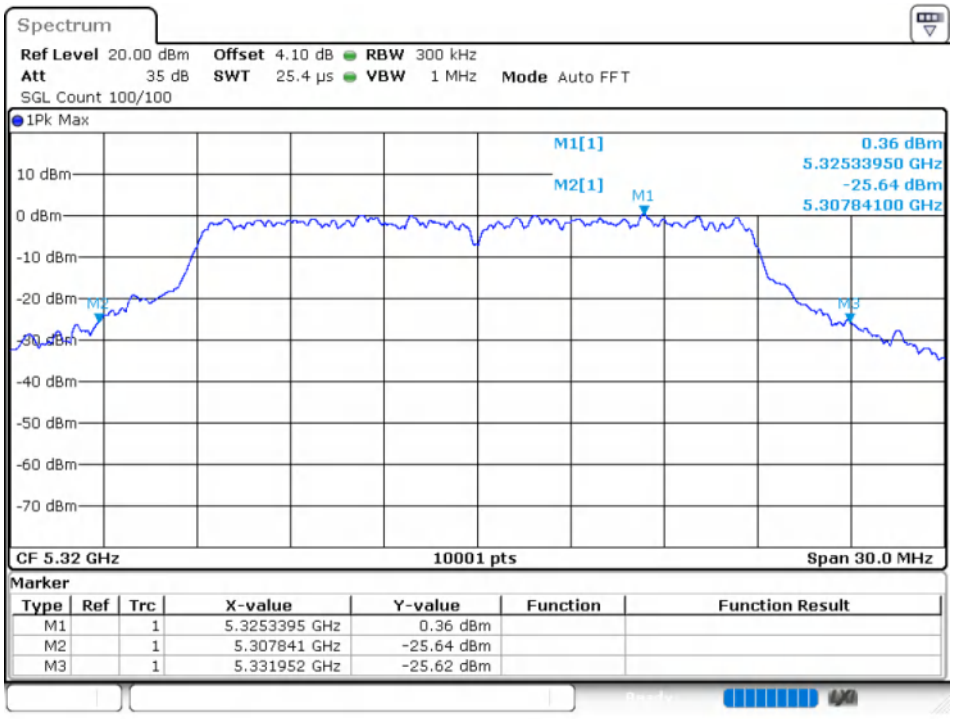
-26dB Bandwidth NVNT n20 5280MHz Ant1



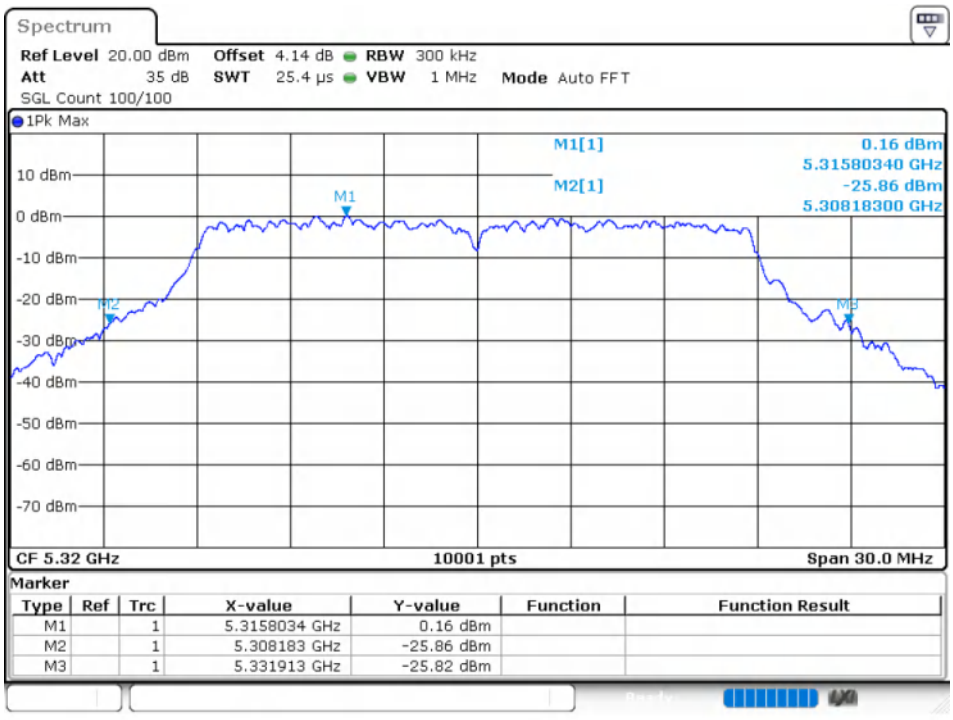
-26dB Bandwidth NVNT n20 5280MHz Ant2



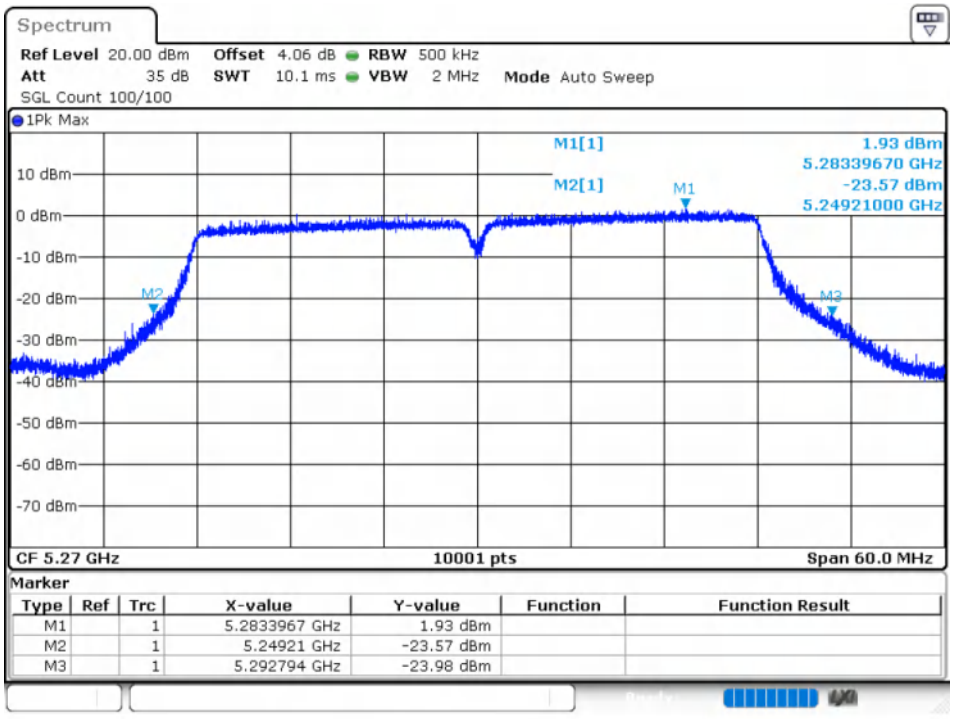
-26dB Bandwidth NVNT n20 5320MHz Ant1



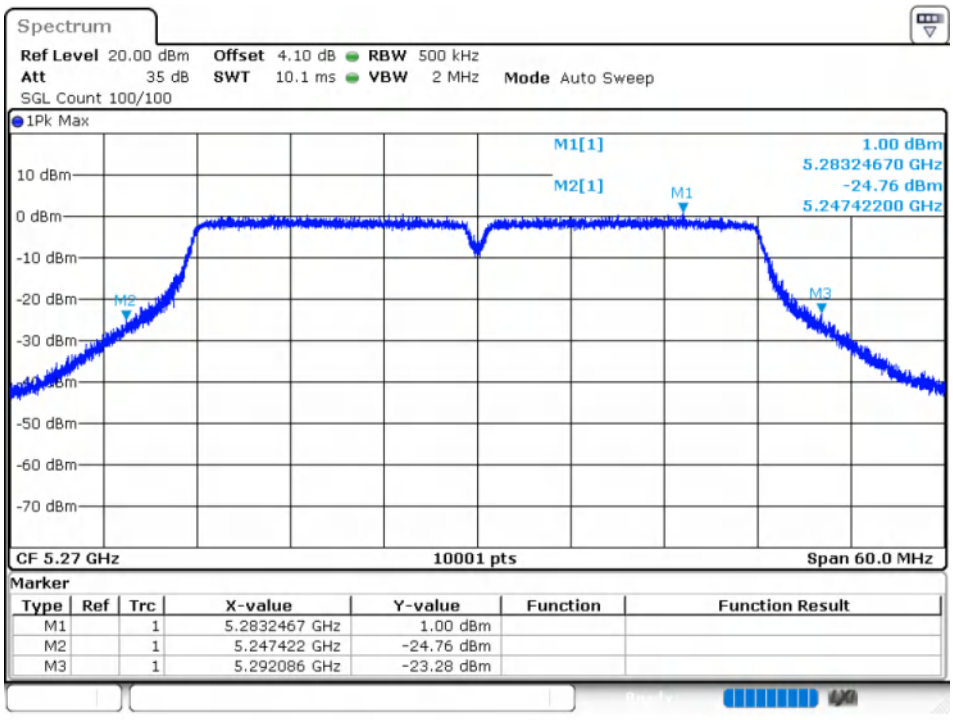
-26dB Bandwidth NVNT n20 5320MHz Ant2



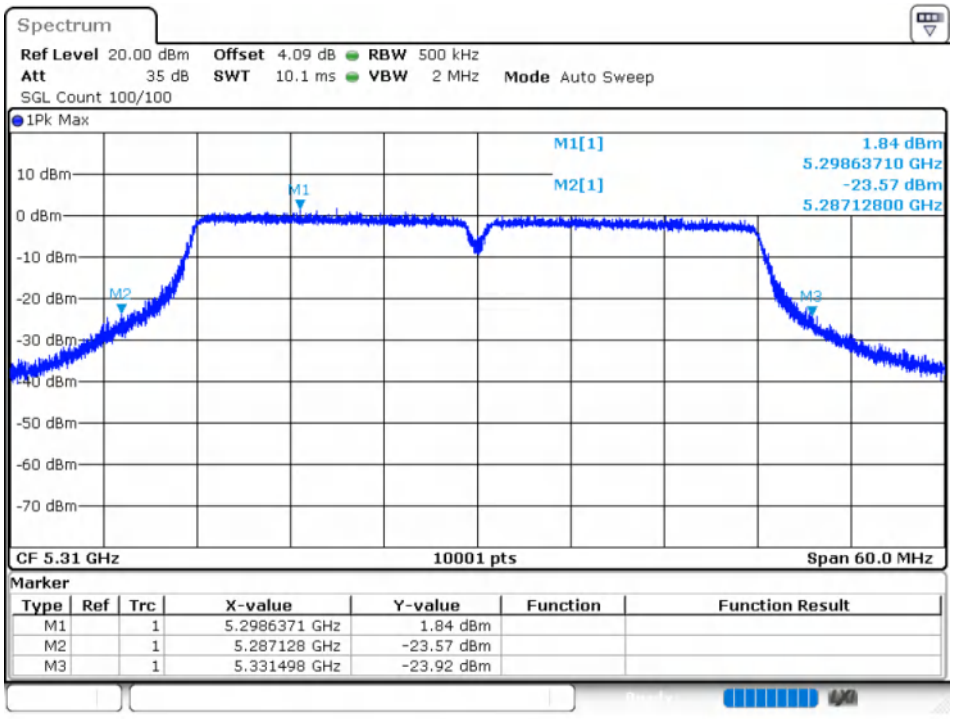
-26dB Bandwidth NVNT n40 5270MHz Ant1



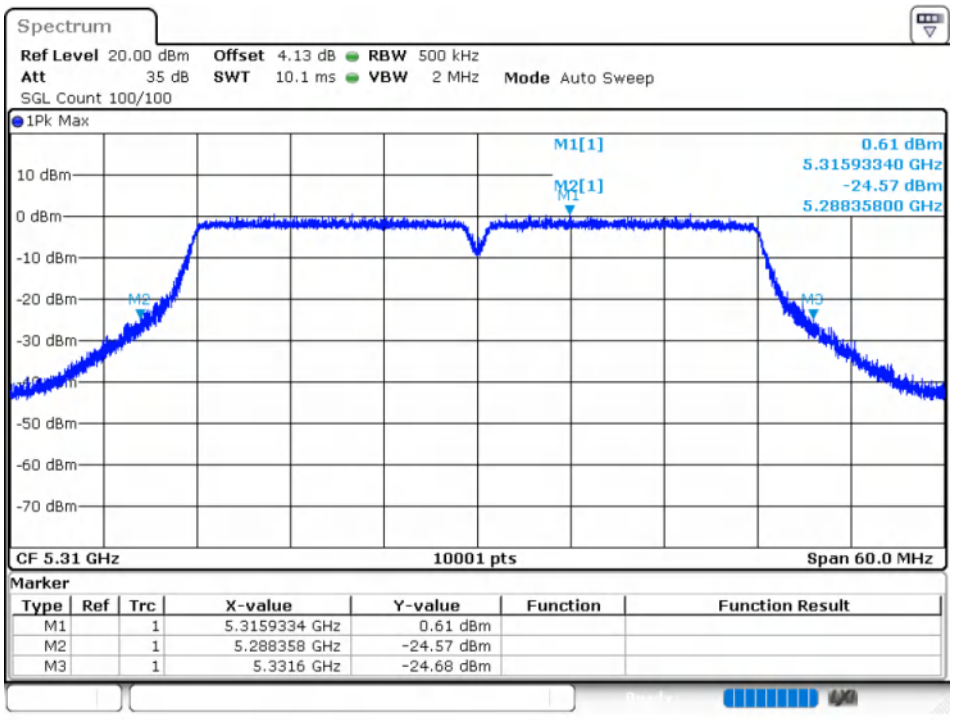
-26dB Bandwidth NVNT n40 5270MHz Ant2



-26dB Bandwidth NVNT n40 5310MHz Ant1



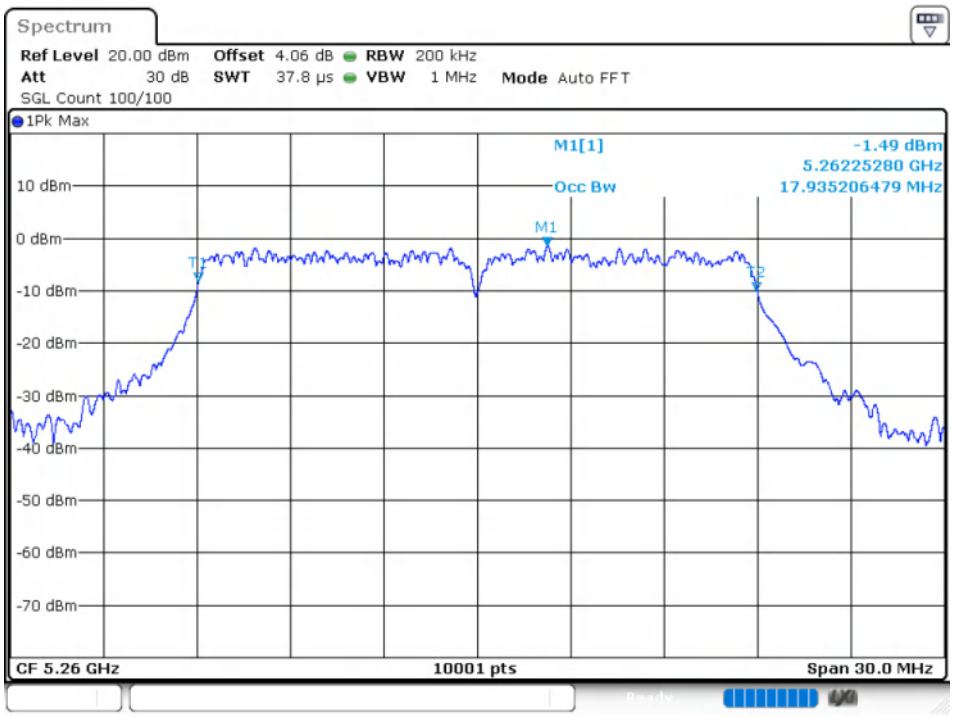
-26dB Bandwidth NVNT n40 5310MHz Ant2



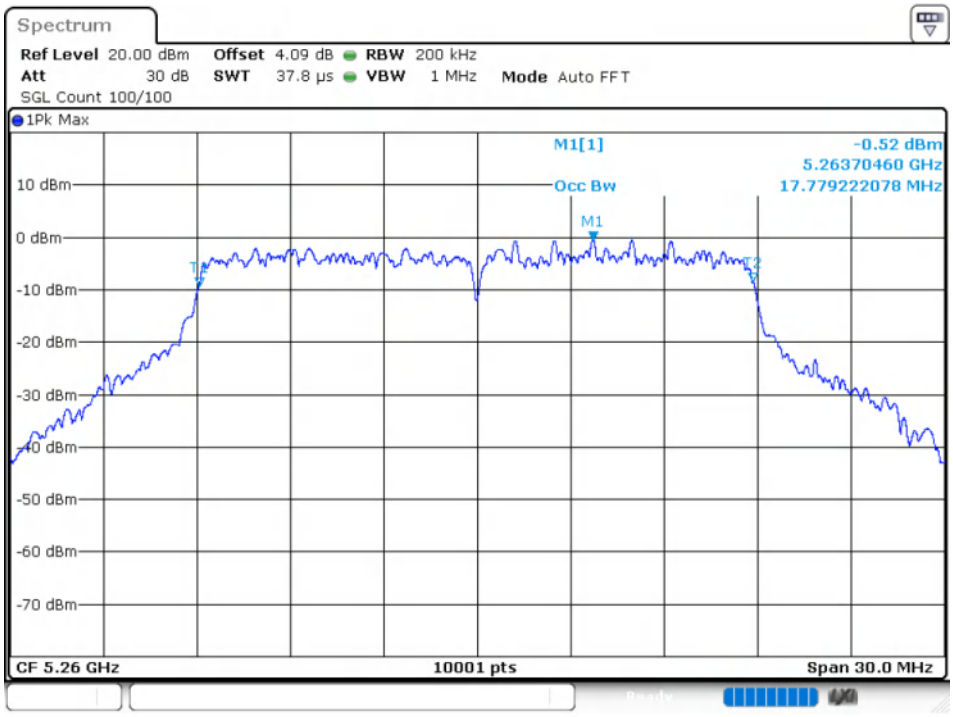
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	ac20	5260	Ant1	17.935
NVNT	ac20	5260	Ant2	17.779
NVNT	ac20	5280	Ant1	17.752
NVNT	ac20	5280	Ant2	17.863
NVNT	ac20	5320	Ant1	17.875
NVNT	ac20	5320	Ant2	17.848
NVNT	ac40	5270	Ant1	36.428
NVNT	ac40	5270	Ant2	36.458
NVNT	ac40	5310	Ant1	36.464
NVNT	ac40	5310	Ant2	36.44
NVNT	ac80	5290	Ant1	74.501
NVNT	ac80	5290	Ant2	75.088
NVNT	n20	5260	Ant1	17.803
NVNT	n20	5260	Ant2	17.833
NVNT	n20	5280	Ant1	17.872
NVNT	n20	5280	Ant2	18.004
NVNT	n20	5320	Ant1	17.998
NVNT	n20	5320	Ant2	17.911
NVNT	n40	5270	Ant1	36.512
NVNT	n40	5270	Ant2	36.554
NVNT	n40	5310	Ant1	36.488
NVNT	n40	5310	Ant2	36.428

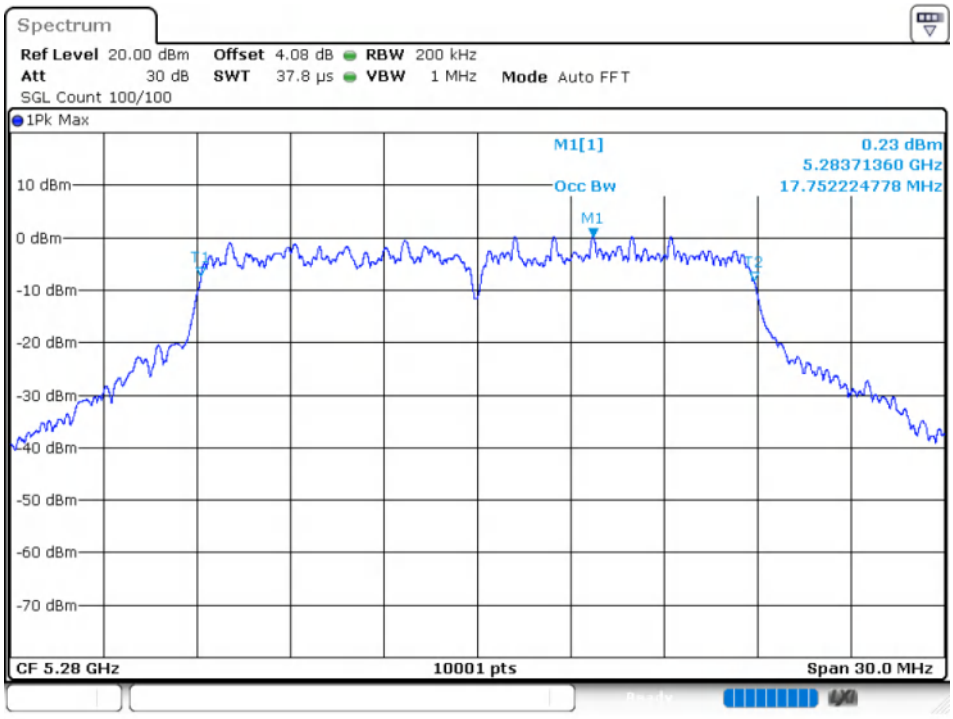
Test Graphs
OBW NVNT ac20 5260MHz Ant1



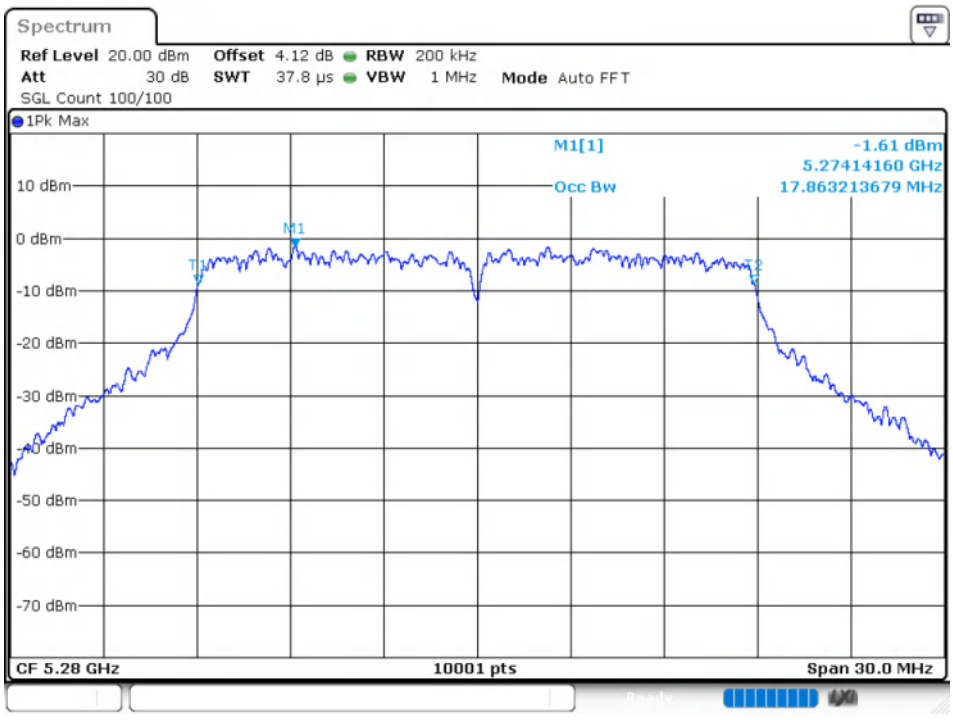
OBW NVNT ac20 5260MHz Ant2



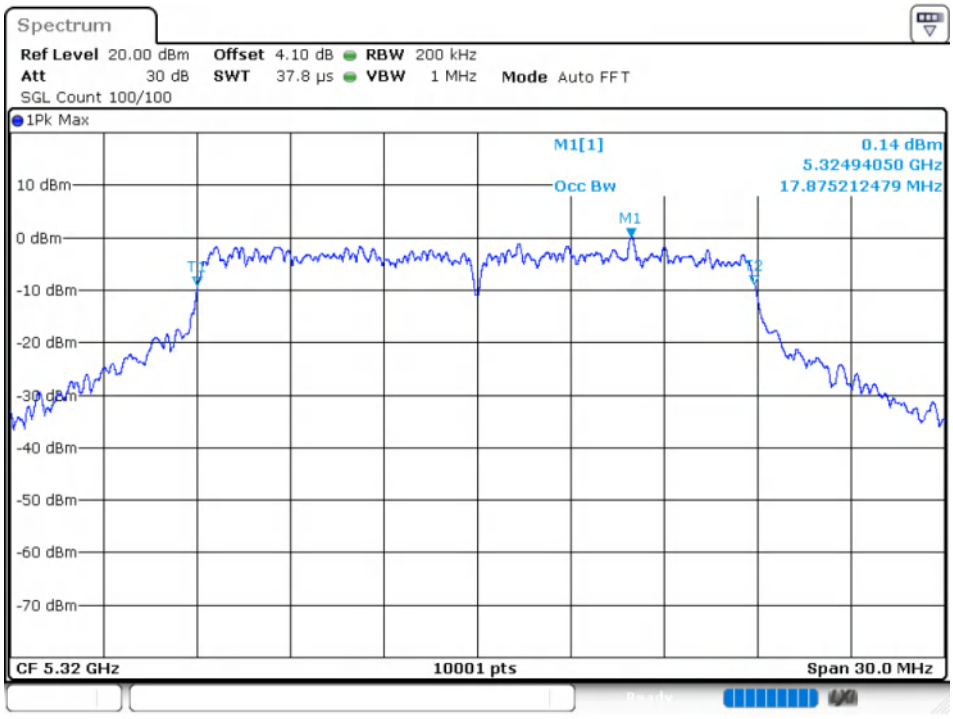
OBW NVNT ac20 5280MHz Ant1



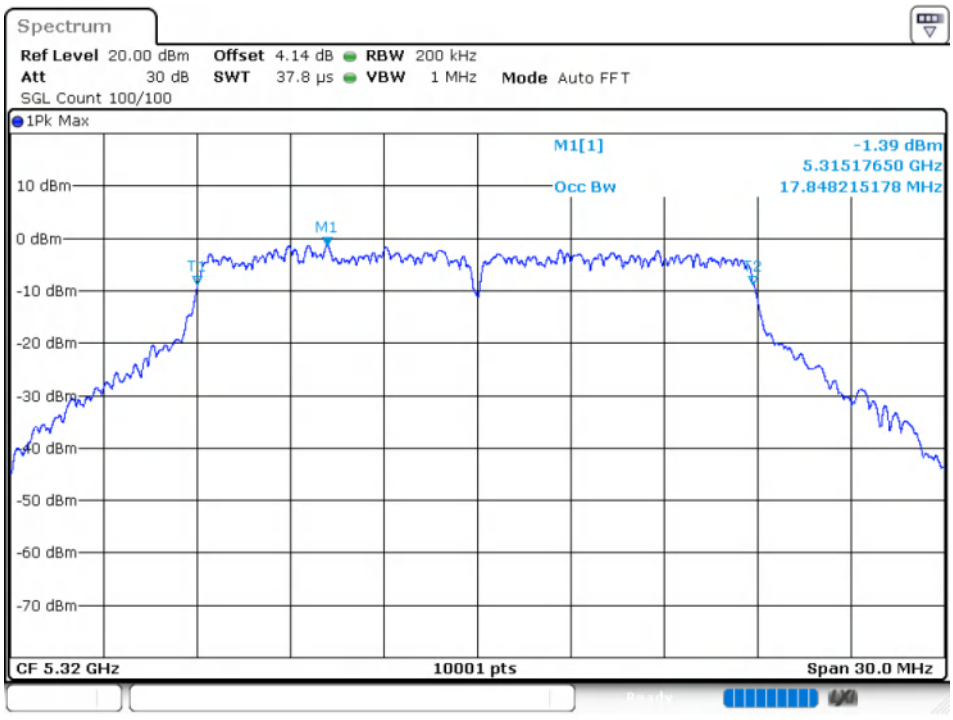
OBW NVNT ac20 5280MHz Ant2



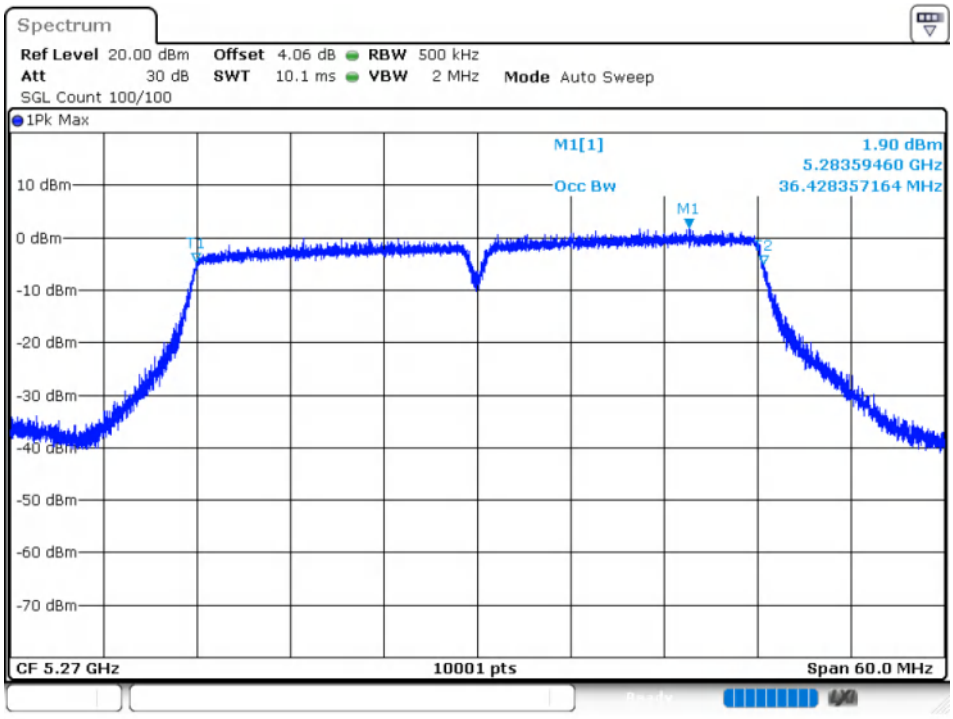
OBW NVNT ac20 5320MHz Ant1



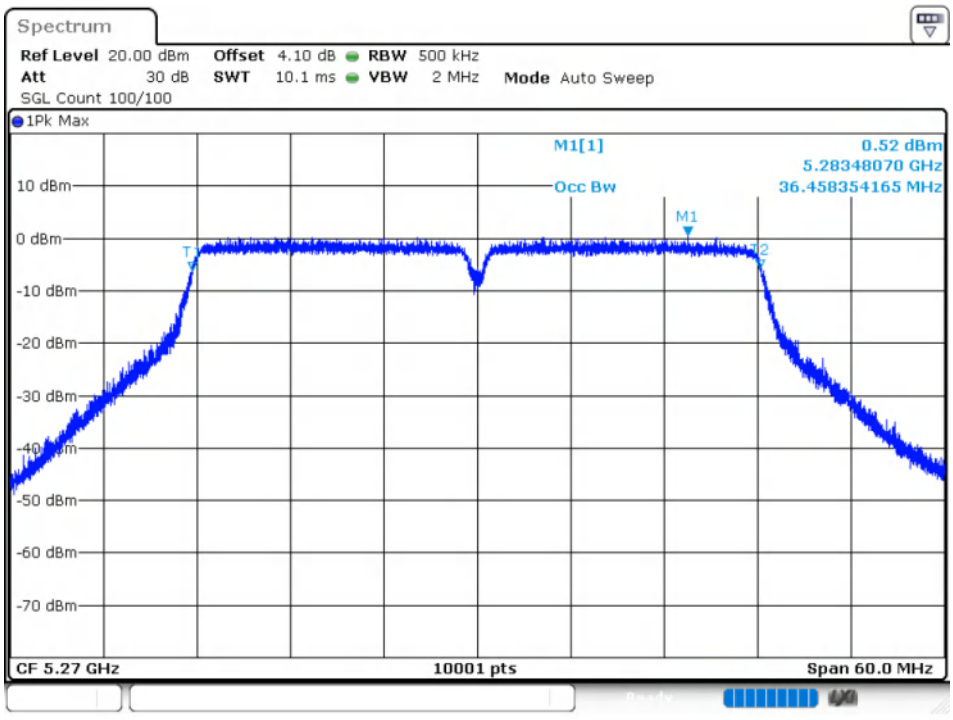
OBW NVNT ac20 5320MHz Ant2



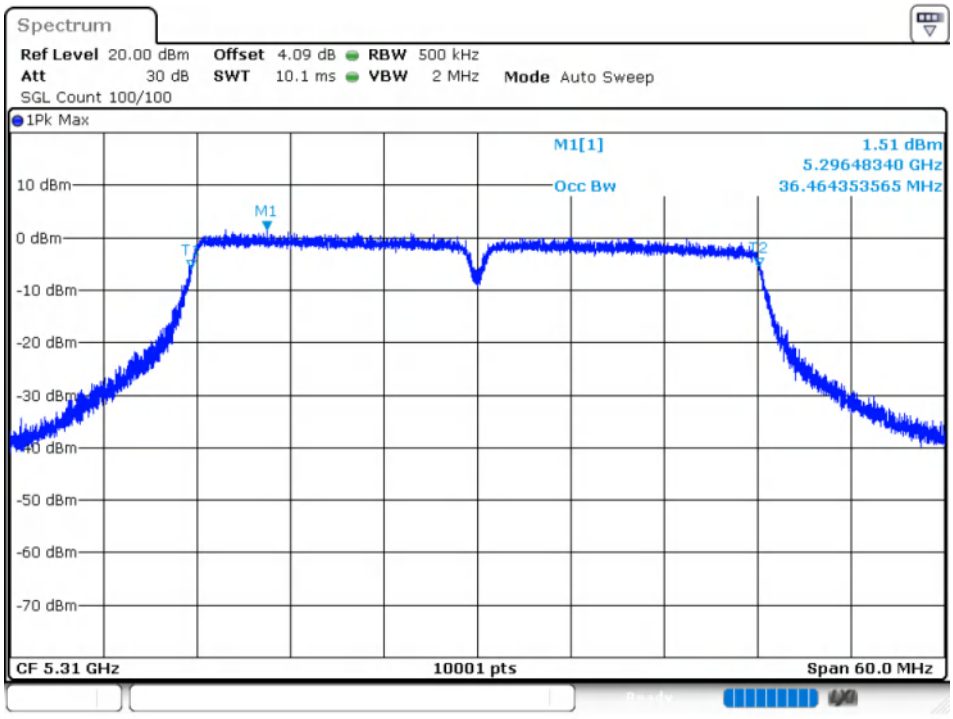
OBW NVNT ac40 5270MHz Ant1



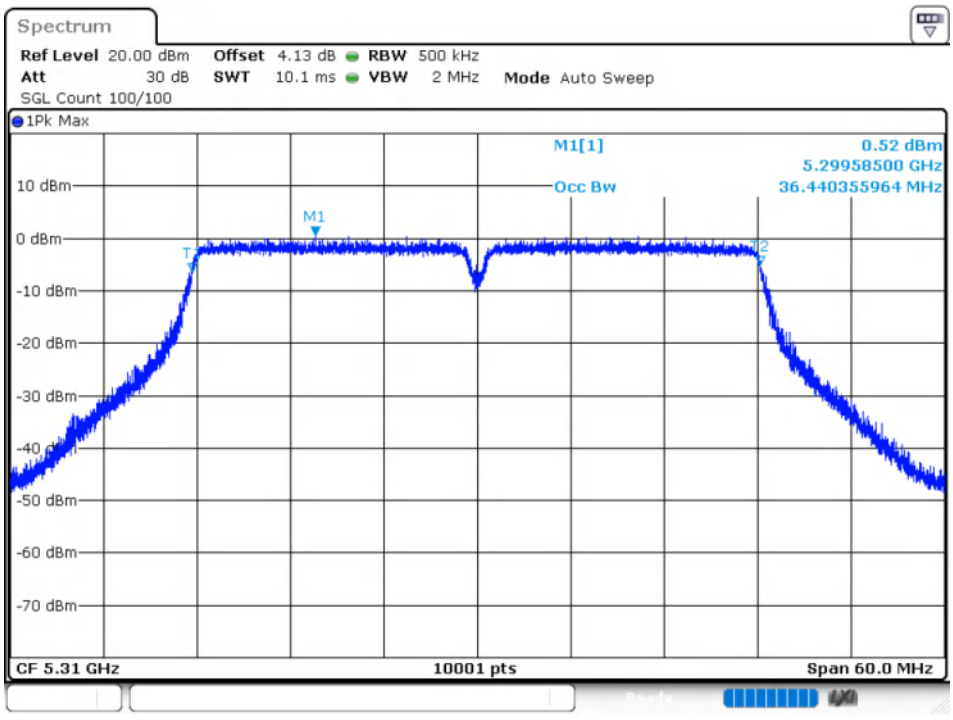
OBW NVNT ac40 5270MHz Ant2



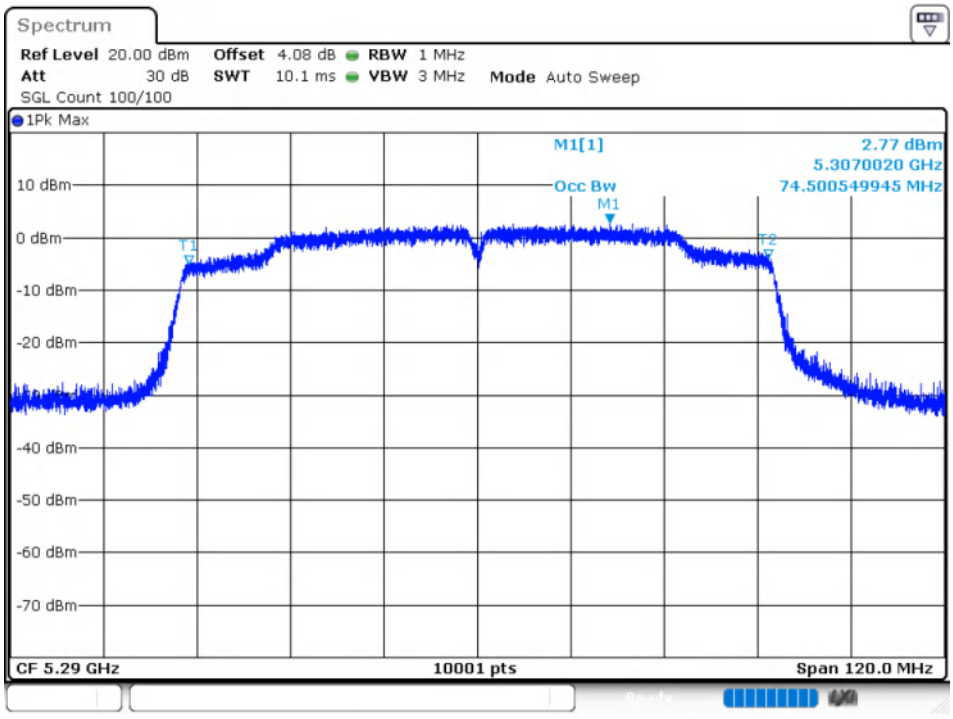
OBW NVNT ac40 5310MHz Ant1



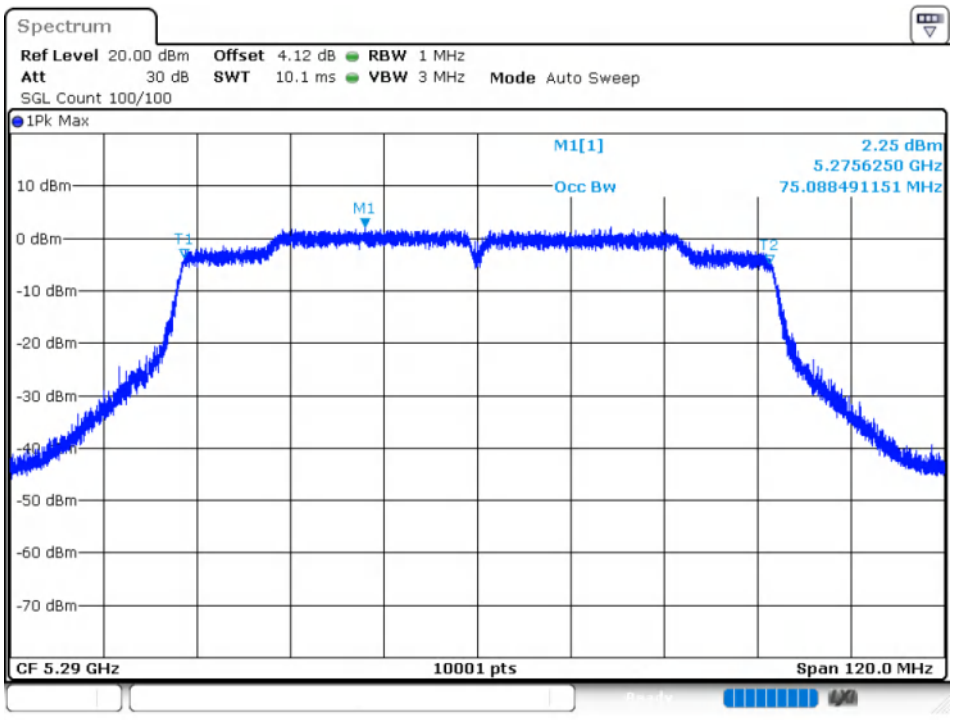
OBW NVNT ac40 5310MHz Ant2



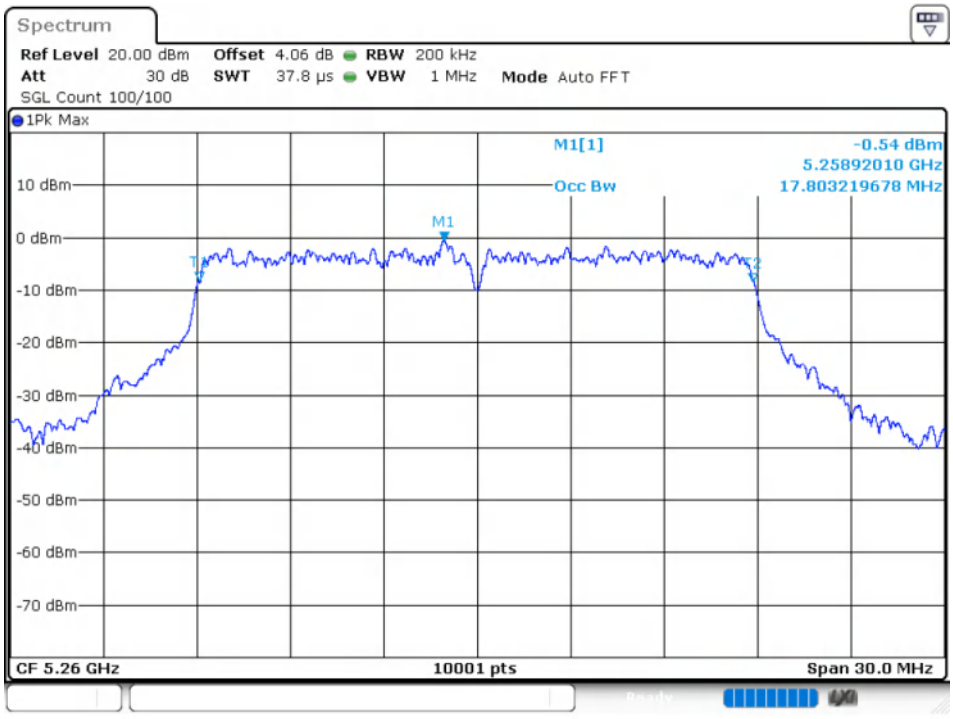
OBW NVNT ac80 5290MHz Ant1



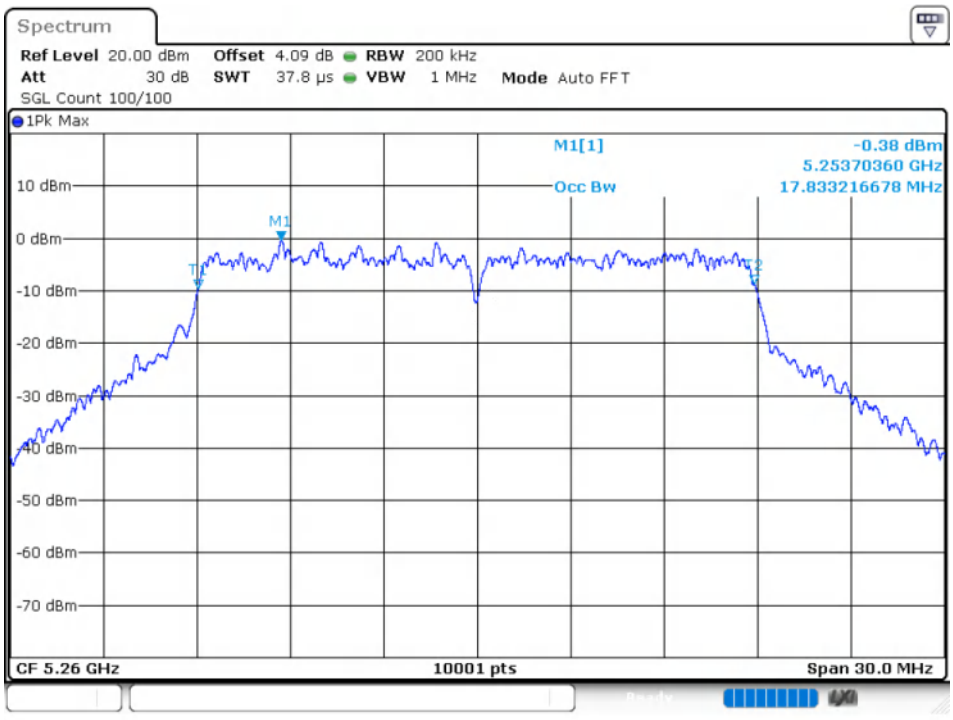
OBW NVNT ac80 5290MHz Ant2



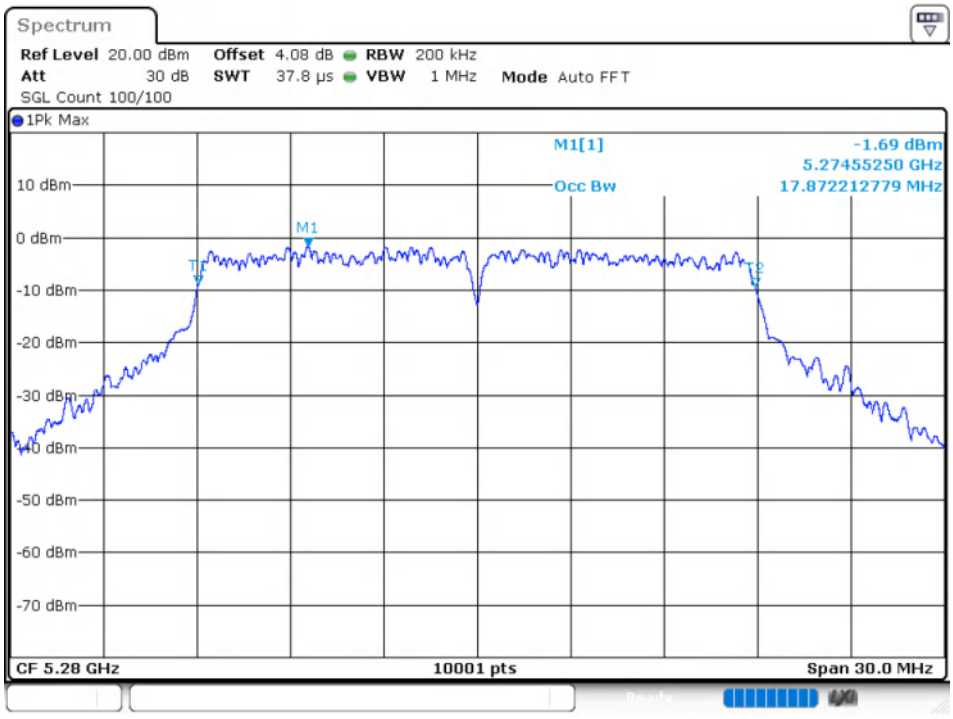
OBW NVNT n20 5260MHz Ant1



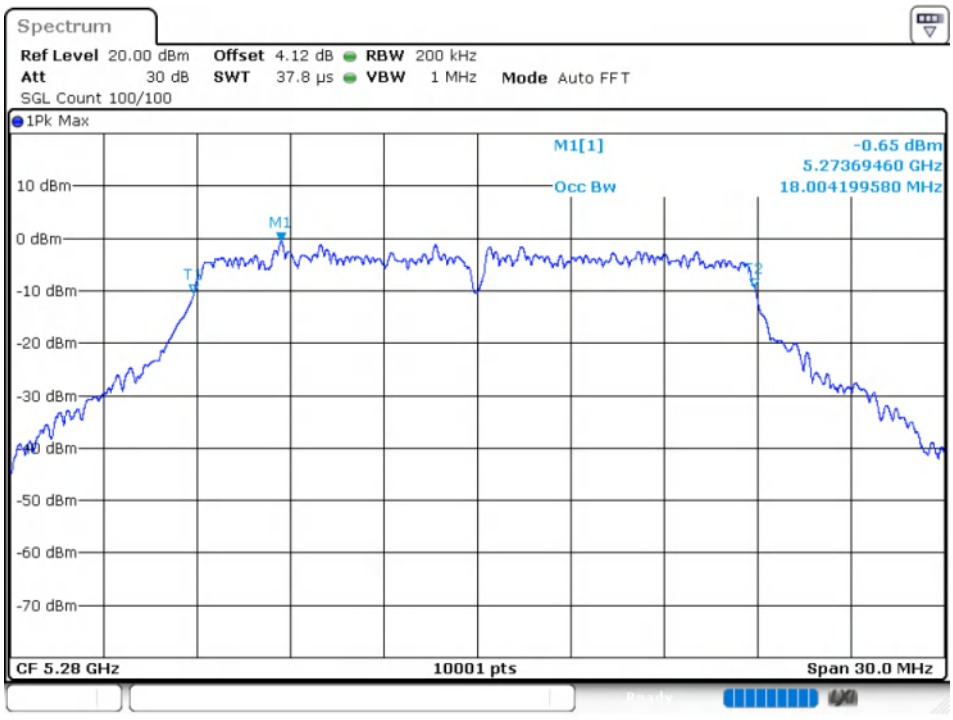
OBW NVNT n20 5260MHz Ant2



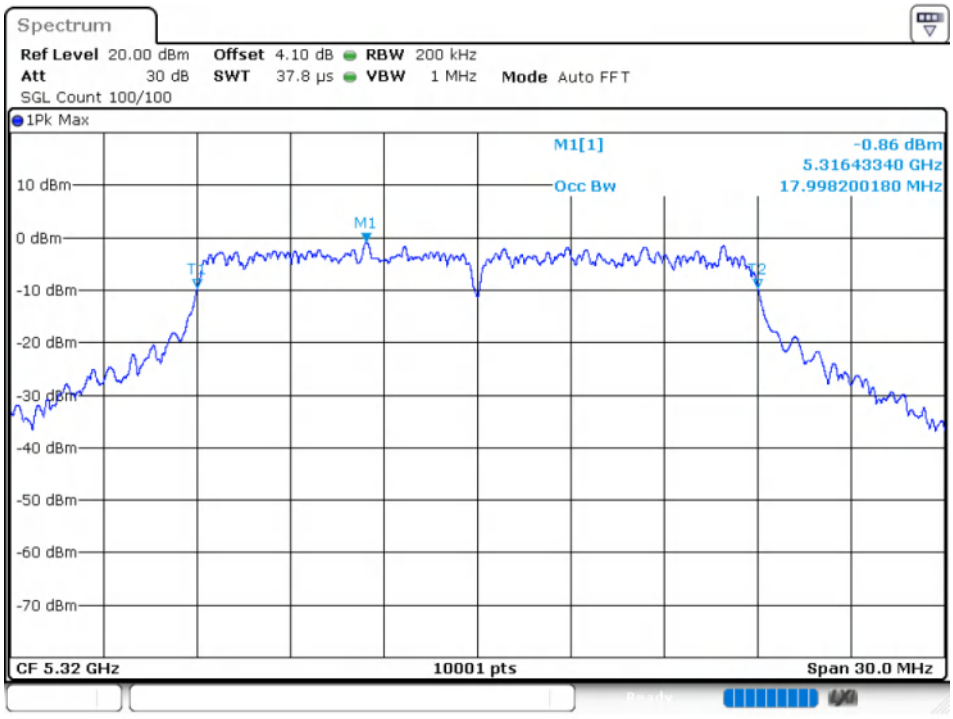
OBW NVNT n20 5280MHz Ant1



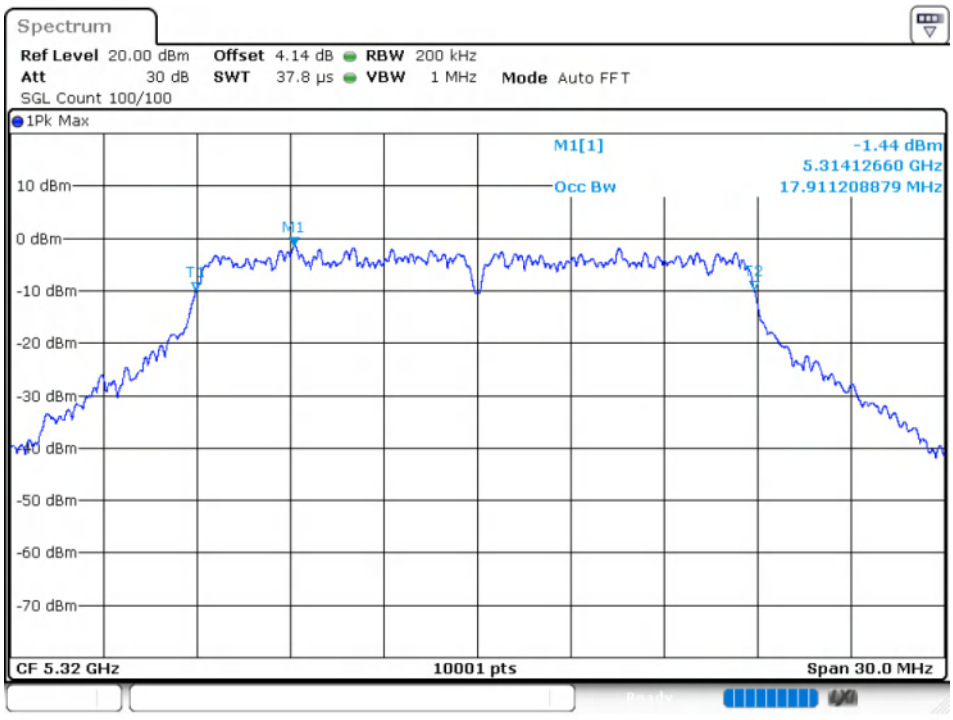
OBW NVNT n20 5280MHz Ant2



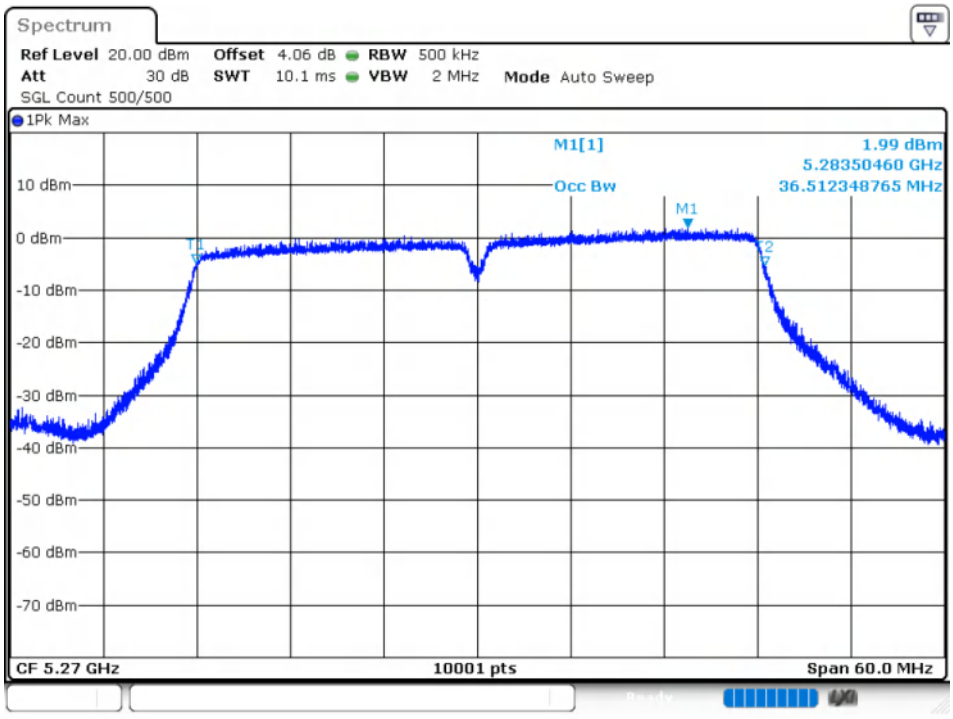
OBW NVNT n20 5320MHz Ant1



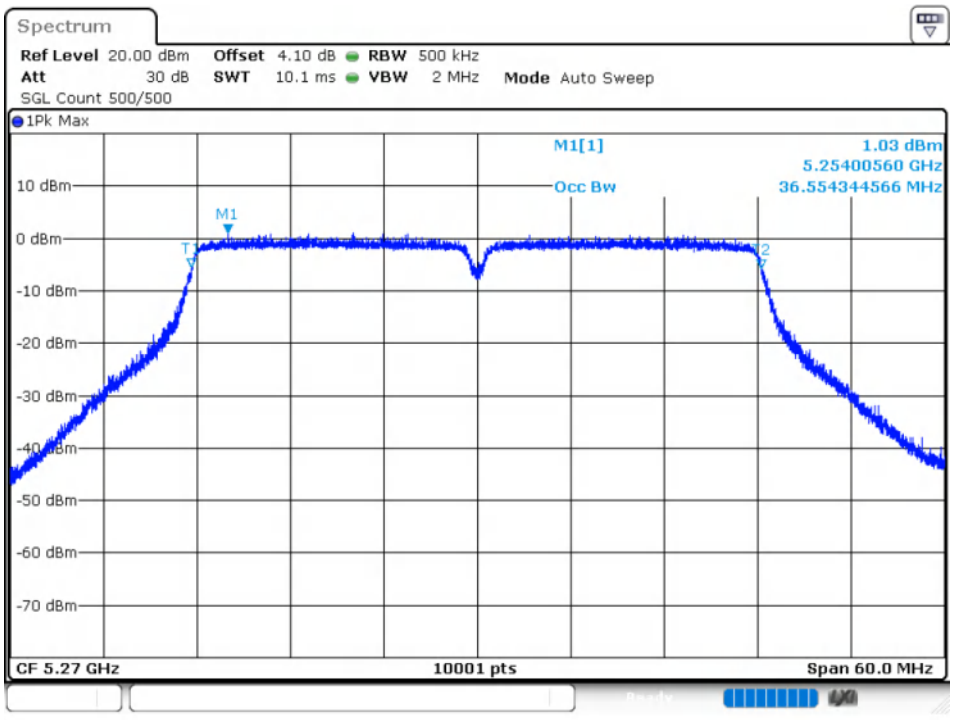
OBW NVNT n20 5320MHz Ant2



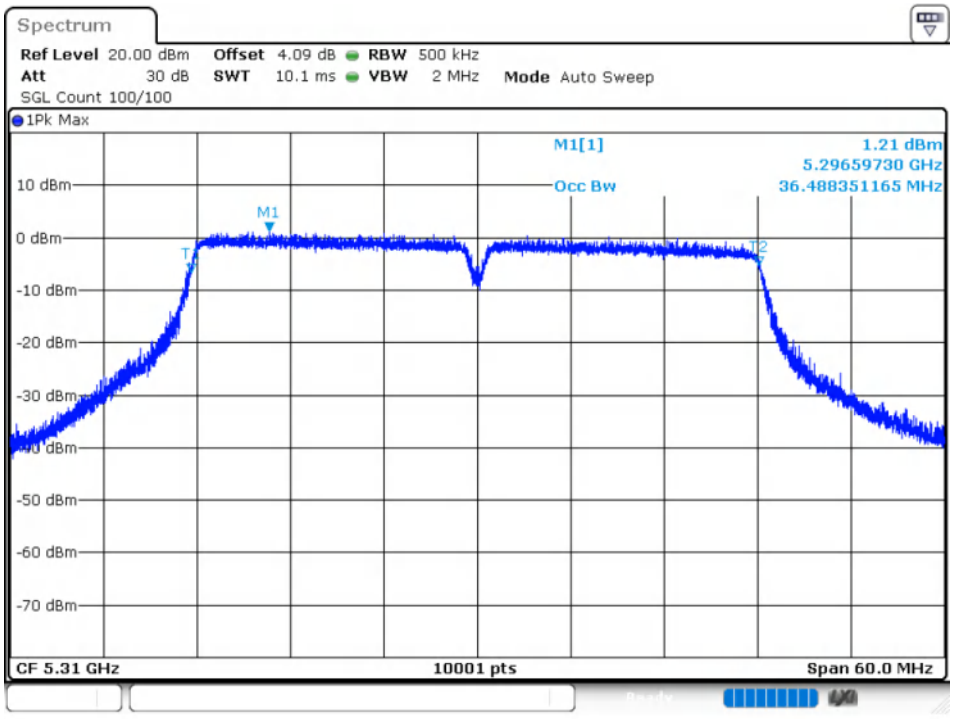
OBW NVNT n40 5270MHz Ant1



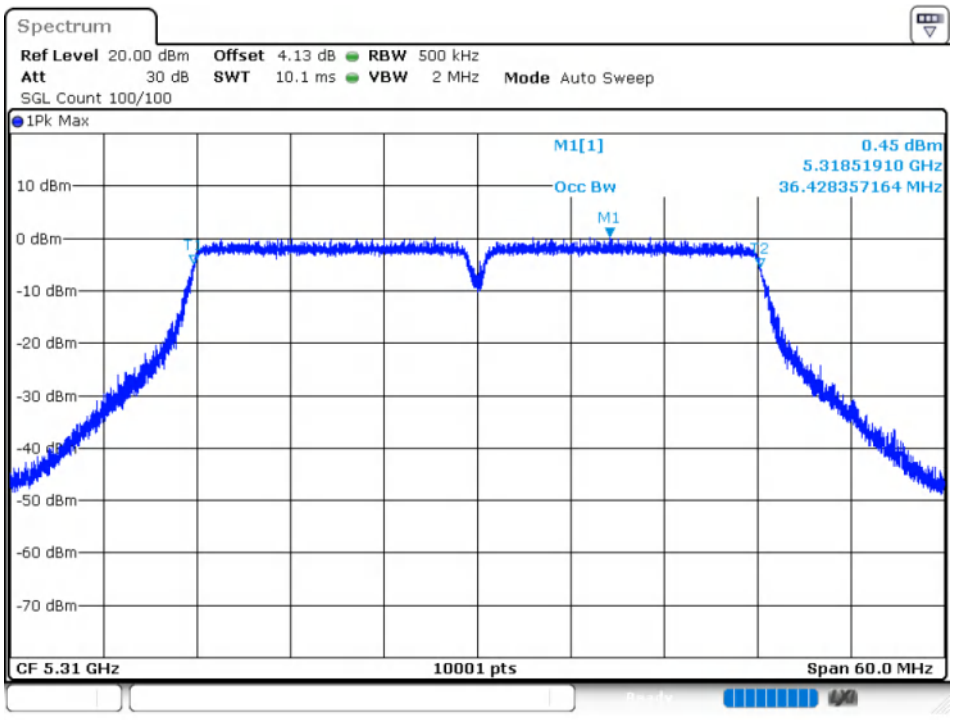
OBW NVNT n40 5270MHz Ant2



OBW NVNT n40 5310MHz Ant1

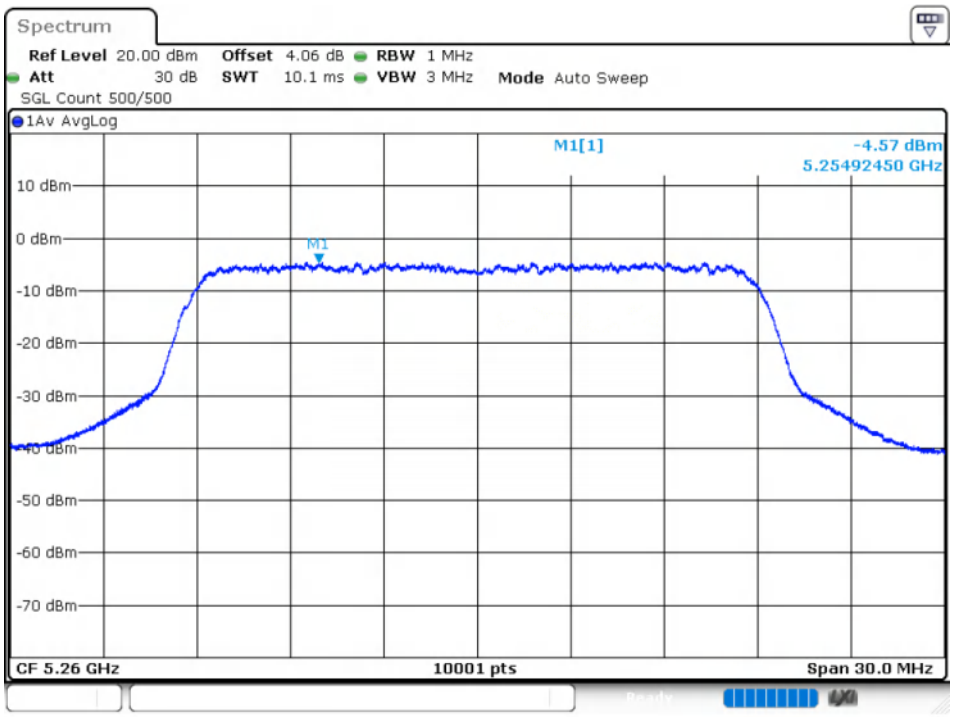
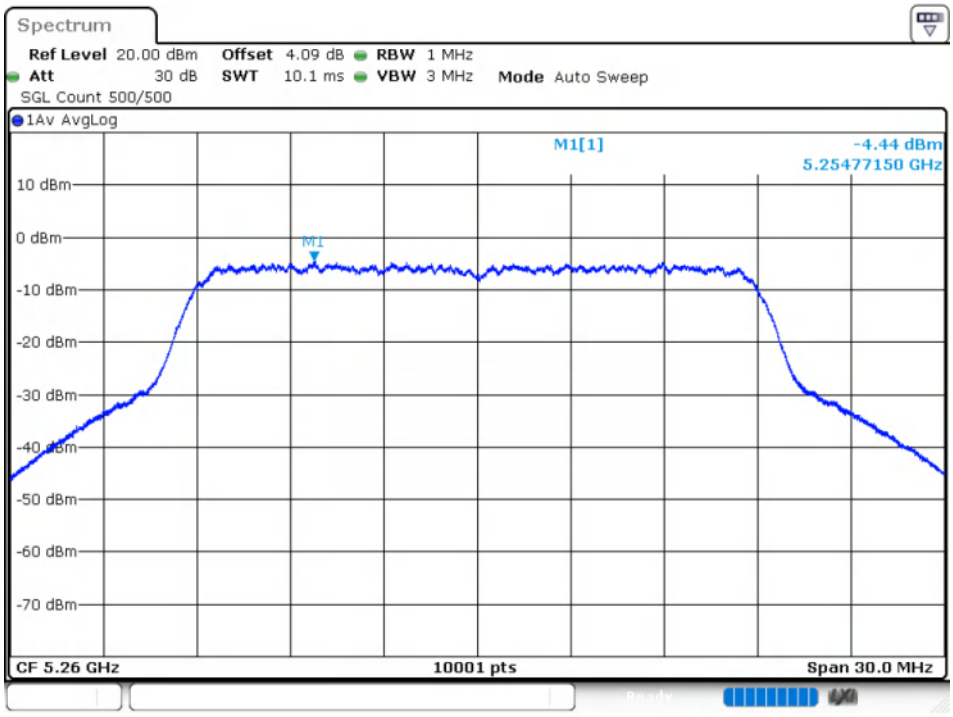


OBW NVNT n40 5310MHz Ant2

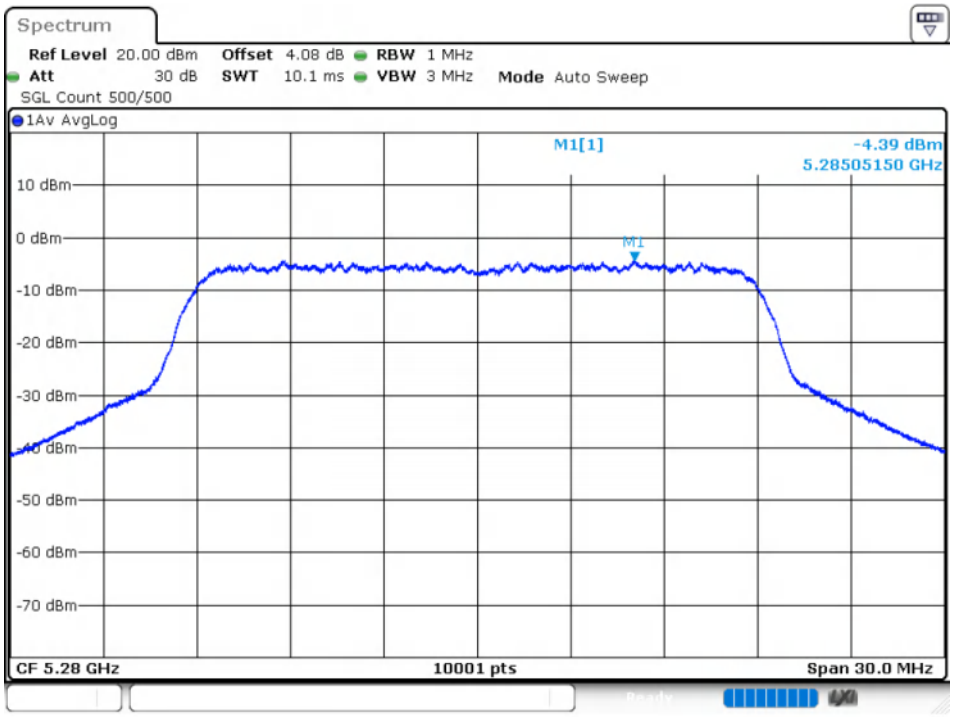


Maximum Power Spectral Density Level

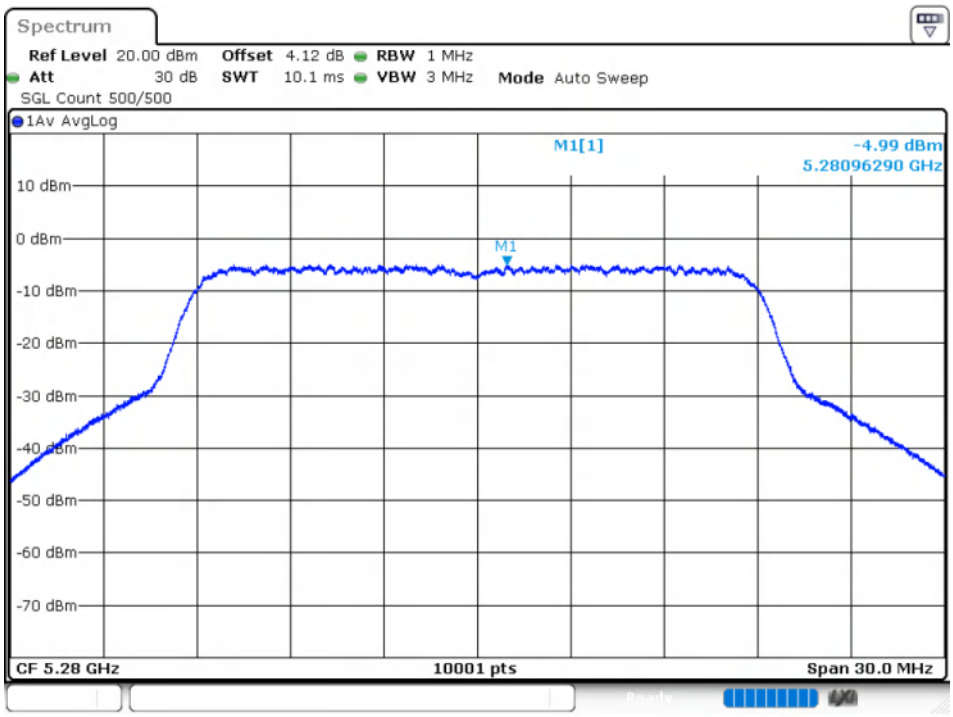
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5260	Ant1	-4.57	0.16	-4.41	10.44	Pass
NVNT	ac20	5260	Ant2	-4.44	0.16	-4.28	10.44	Pass
NVNT	ac20	5260	Sum	-1.49	0.16	-1.33	10.44	Pass
NVNT	ac20	5280	Ant1	-4.39	0.16	-4.23	10.44	Pass
NVNT	ac20	5280	Ant2	-4.99	0.16	-4.83	10.44	Pass
NVNT	ac20	5280	Sum	-1.67	0.16	-1.51	10.44	Pass
NVNT	ac20	5320	Ant1	-4.15	0.16	-3.99	10.44	Pass
NVNT	ac20	5320	Ant2	-4.51	0.16	-4.35	10.44	Pass
NVNT	ac20	5320	Sum	-1.32	0.16	-1.16	10.44	Pass
NVNT	ac40	5270	Ant1	-5.94	0.15	-5.79	10.44	Pass
NVNT	ac40	5270	Ant2	-7.42	0.15	-7.27	10.44	Pass
NVNT	ac40	5270	Sum	-3.61	0.15	-3.46	10.44	Pass
NVNT	ac40	5310	Ant1	-4.96	0.15	-4.81	10.44	Pass
NVNT	ac40	5310	Ant2	-5.68	0.15	-5.53	10.44	Pass
NVNT	ac40	5310	Sum	-2.29	0.15	-2.14	10.44	Pass
NVNT	ac80	5290	Ant1	-10.2	0.28	-9.92	10.44	Pass
NVNT	ac80	5290	Ant2	-11.09	0.28	-10.81	10.44	Pass
NVNT	ac80	5290	Sum	-7.61	0.28	-7.33	10.44	Pass
NVNT	n20	5260	Ant1	-5.91	0.31	-5.6	10.44	Pass
NVNT	n20	5260	Ant2	-6.14	0.31	-5.83	10.44	Pass
NVNT	n20	5260	Sum	-3.01	0.31	-2.7	10.44	Pass
NVNT	n20	5280	Ant1	-4.12	0.31	-3.81	10.44	Pass
NVNT	n20	5280	Ant2	-4.69	0.31	-4.38	10.44	Pass
NVNT	n20	5280	Sum	-1.39	0.31	-1.08	10.44	Pass
NVNT	n20	5320	Ant1	-5.63	0.31	-5.32	10.44	Pass
NVNT	n20	5320	Ant2	-6.05	0.31	-5.74	10.44	Pass
NVNT	n20	5320	Sum	-2.82	0.31	-2.51	10.44	Pass
NVNT	n40	5270	Ant1	-7.19	0.29	-6.9	10.44	Pass
NVNT	n40	5270	Ant2	-9.1	0.29	-8.81	10.44	Pass
NVNT	n40	5270	Sum	-5.03	0.29	-4.74	10.44	Pass
NVNT	n40	5310	Ant1	-6.2	0.29	-5.91	10.44	Pass
NVNT	n40	5310	Ant2	-7.59	0.29	-7.3	10.44	Pass
NVNT	n40	5310	Sum	-3.83	0.29	-3.54	10.44	Pass

Test Graphs
PSD NVNT ac20 5260MHz Ant1

PSD NVNT ac20 5260MHz Ant2


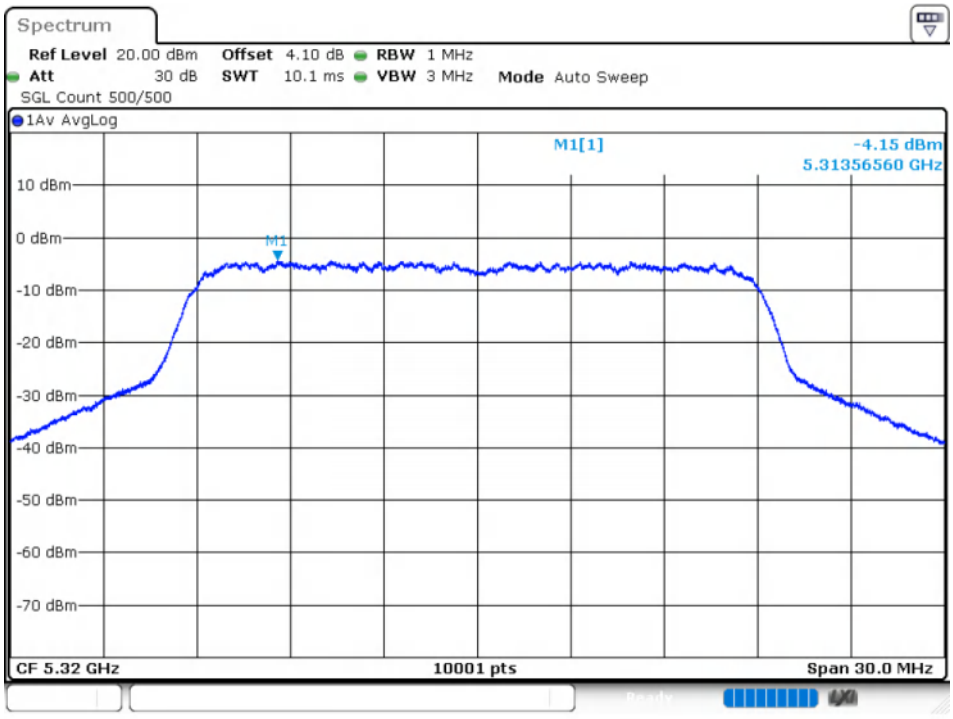
PSD NVNT ac20 5280MHz Ant1



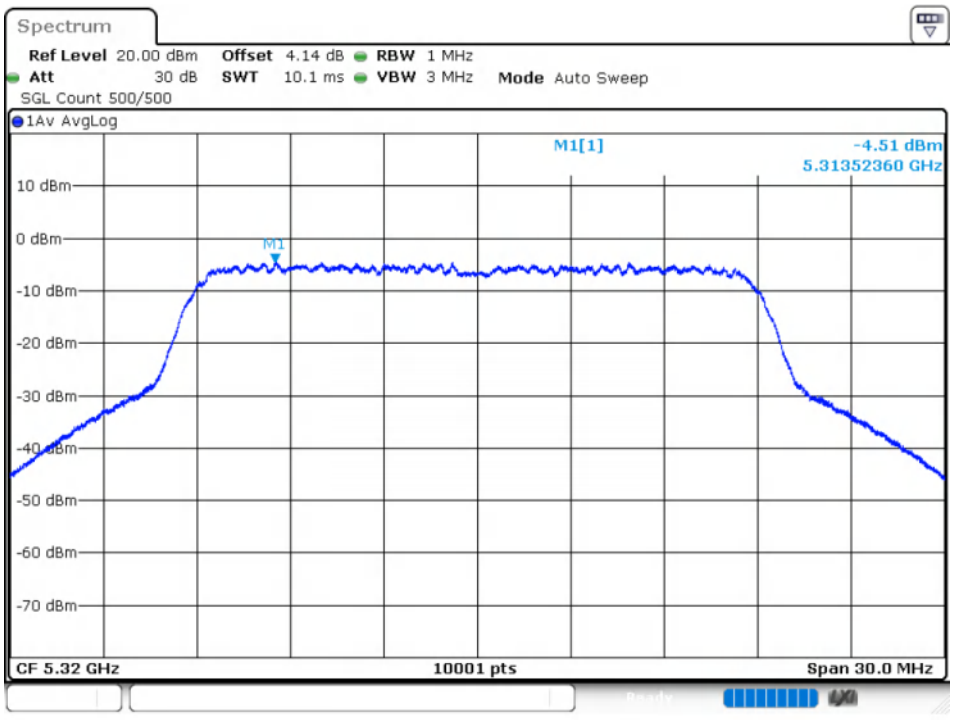
PSD NVNT ac20 5280MHz Ant2



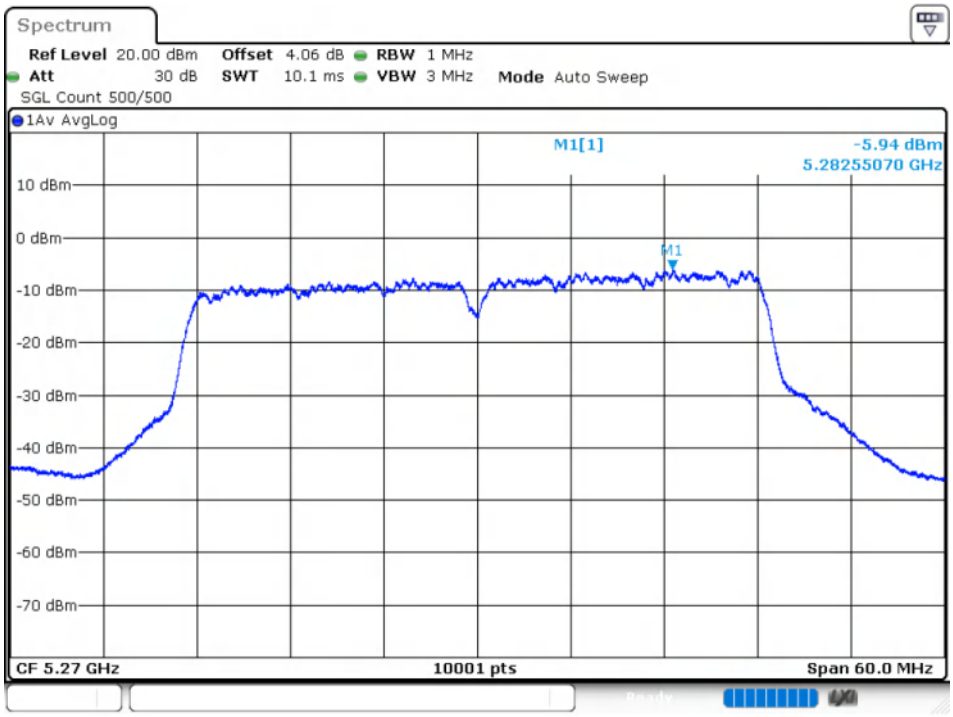
PSD NVNT ac20 5320MHz Ant1



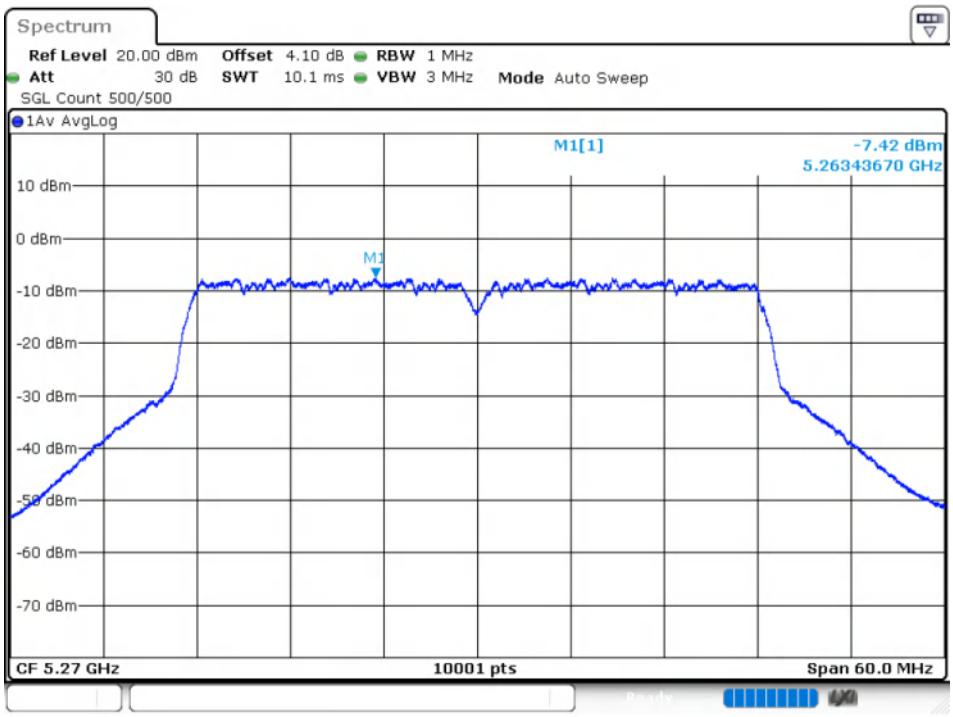
PSD NVNT ac20 5320MHz Ant2



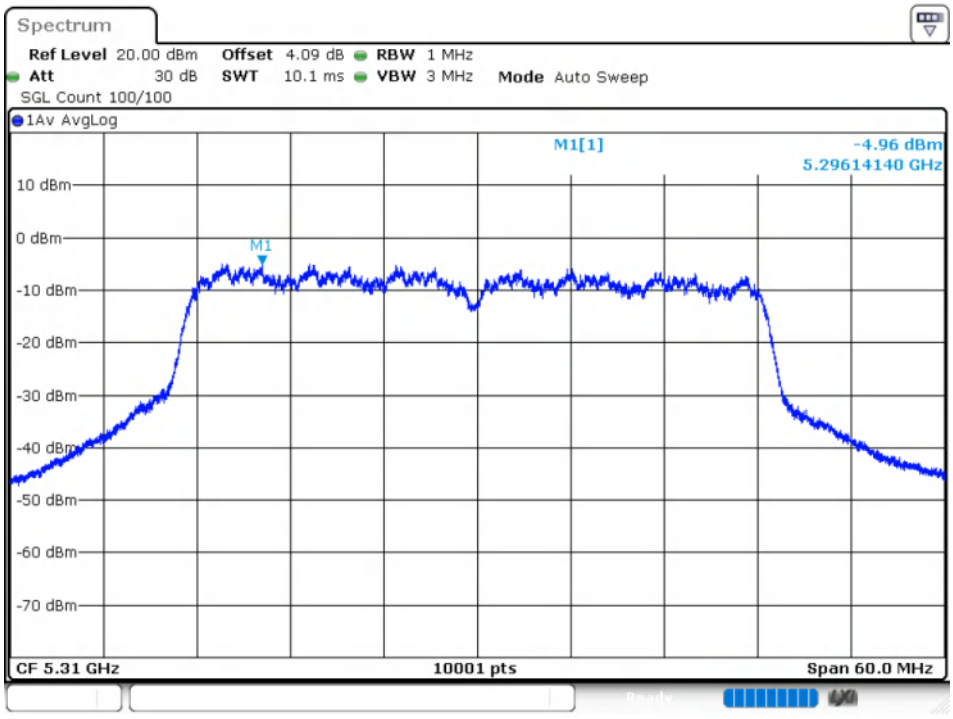
PSD NVNT ac40 5270MHz Ant1



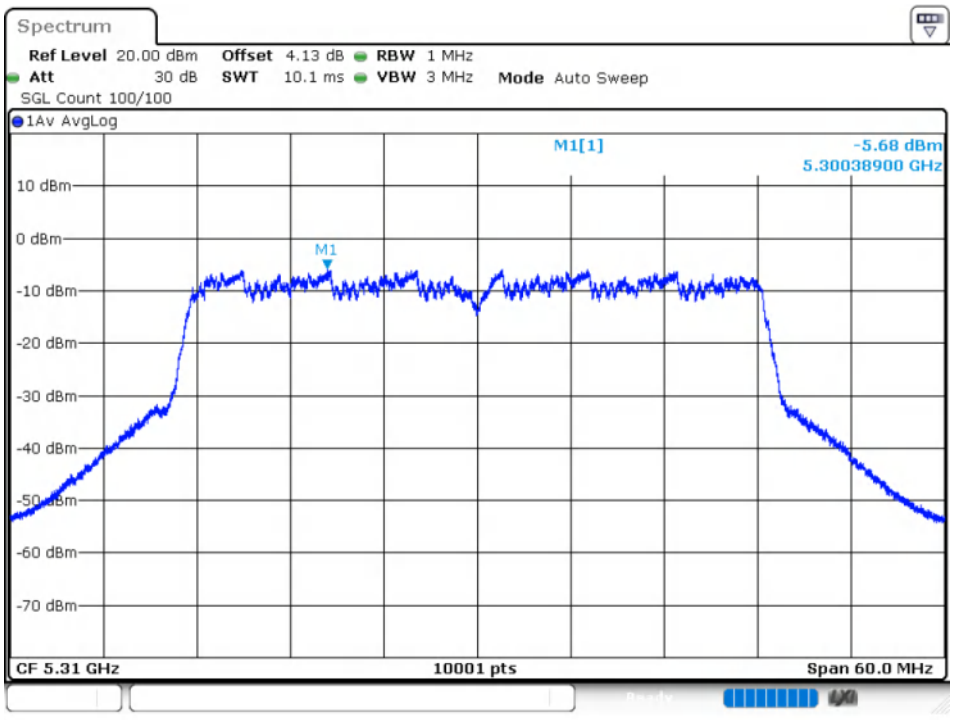
PSD NVNT ac40 5270MHz Ant2



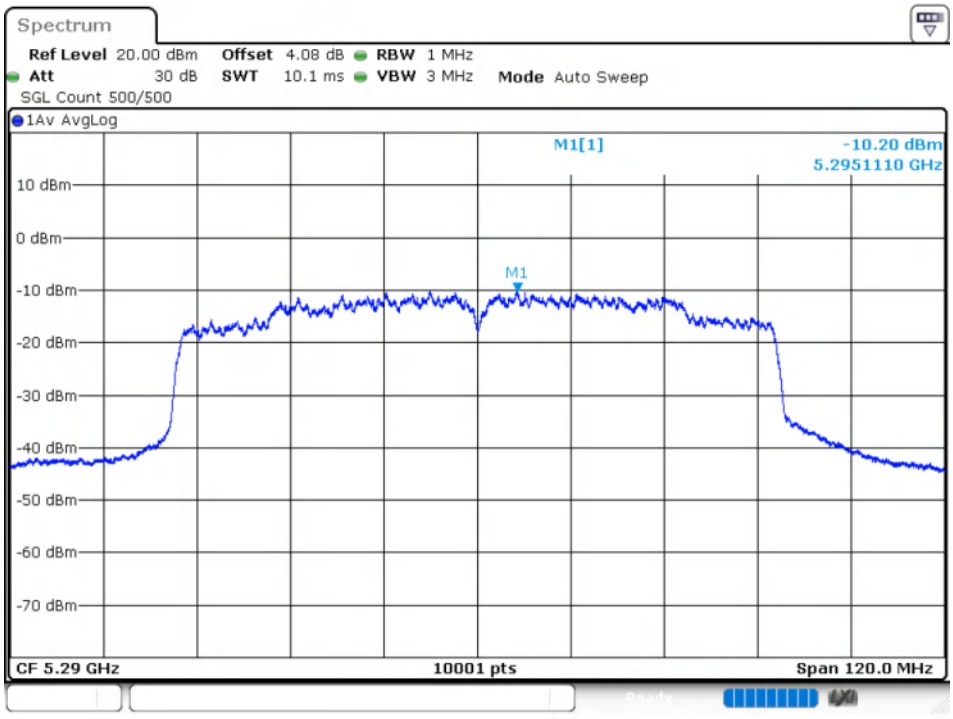
PSD NVNT ac40 5310MHz Ant1



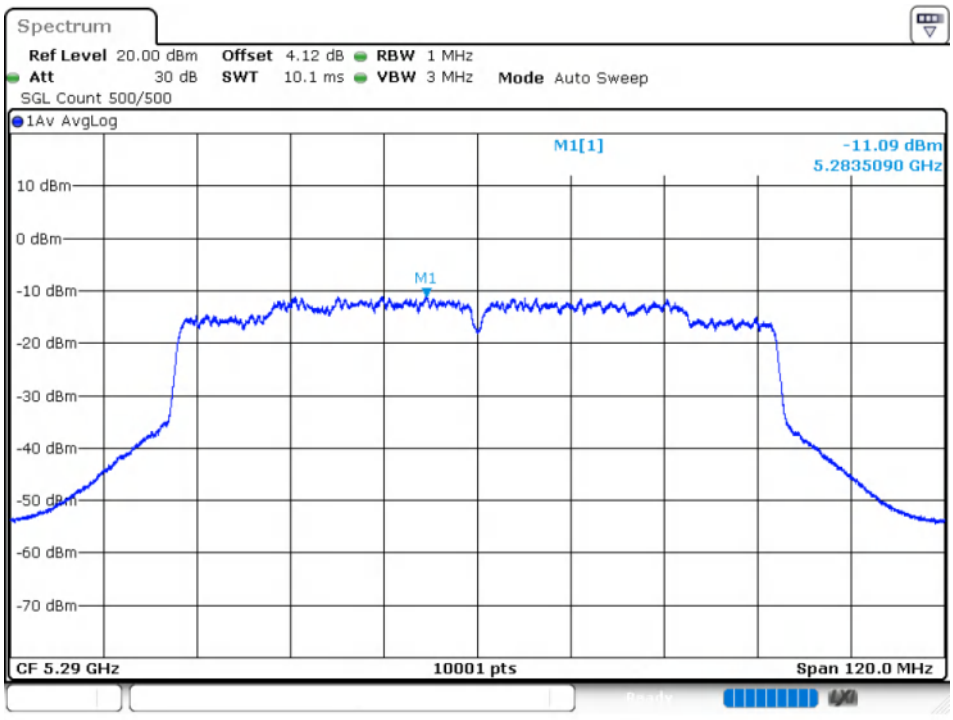
PSD NVNT ac40 5310MHz Ant2



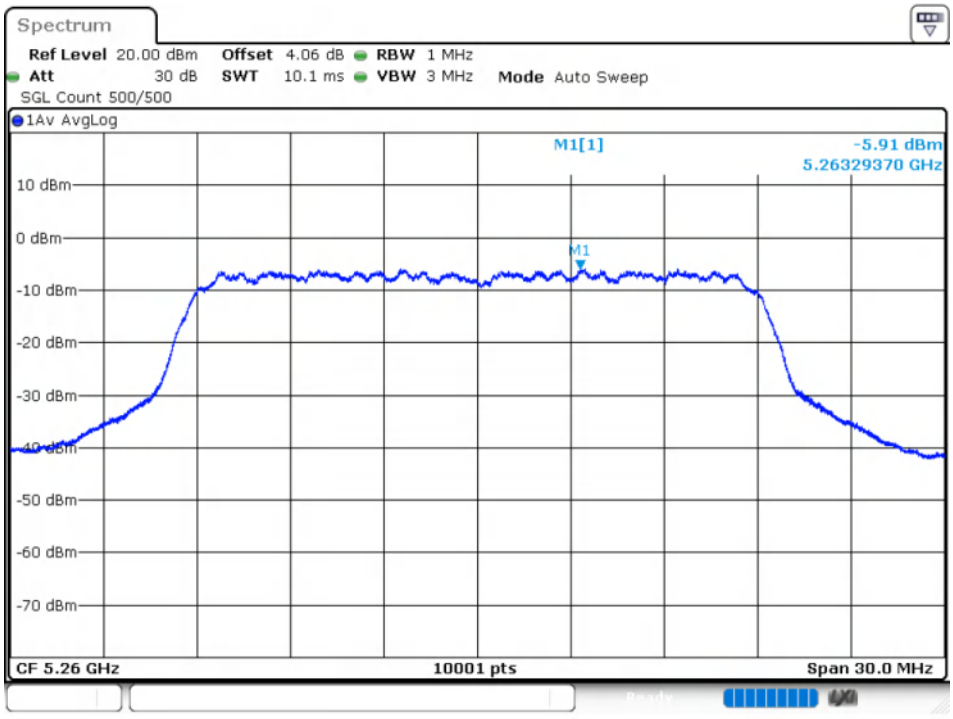
PSD NVNT ac80 5290MHz Ant1



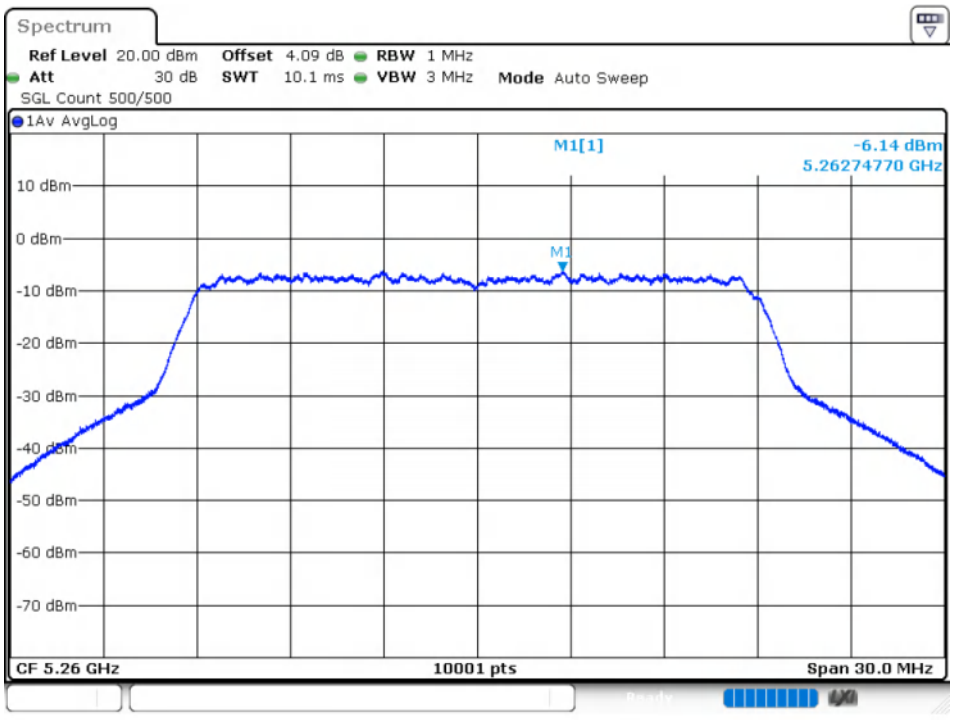
PSD NVNT ac80 5290MHz Ant2



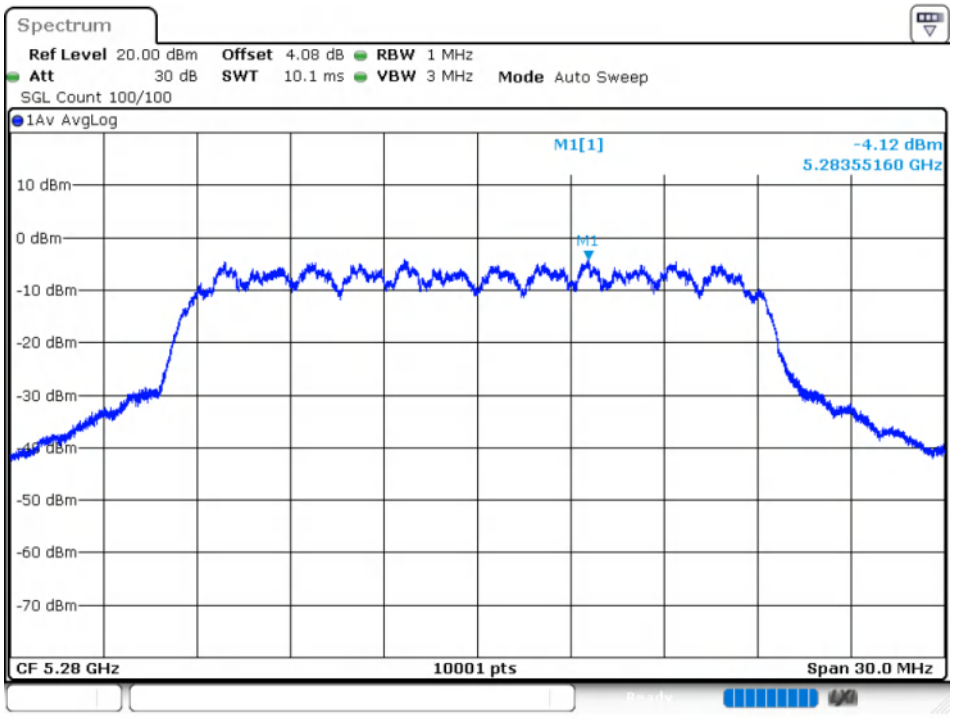
PSD NVNT n20 5260MHz Ant1



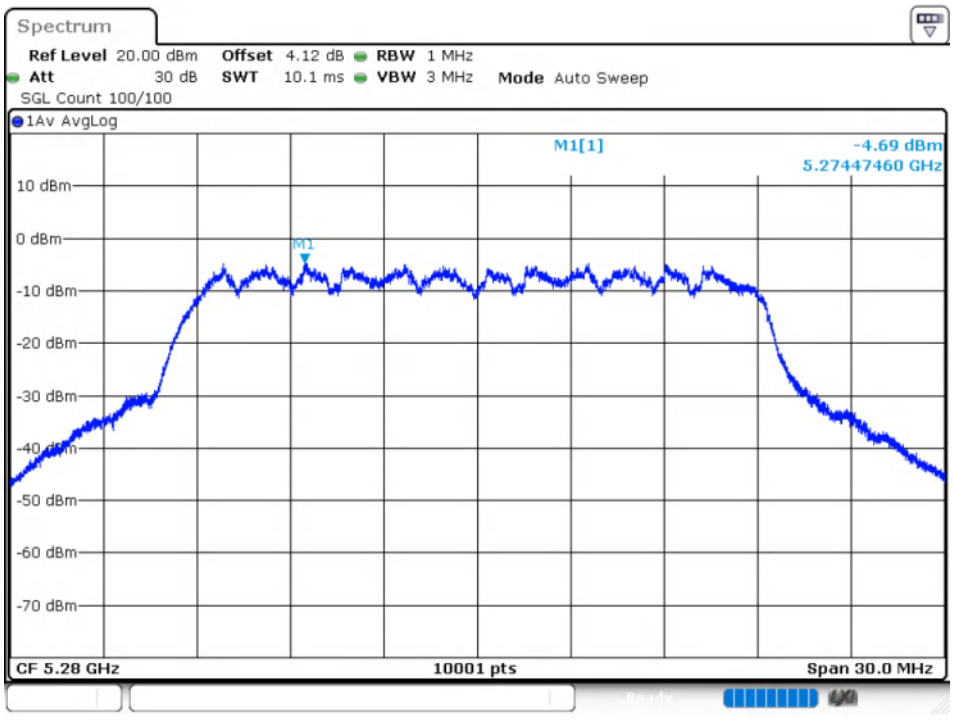
PSD NVNT n20 5260MHz Ant2



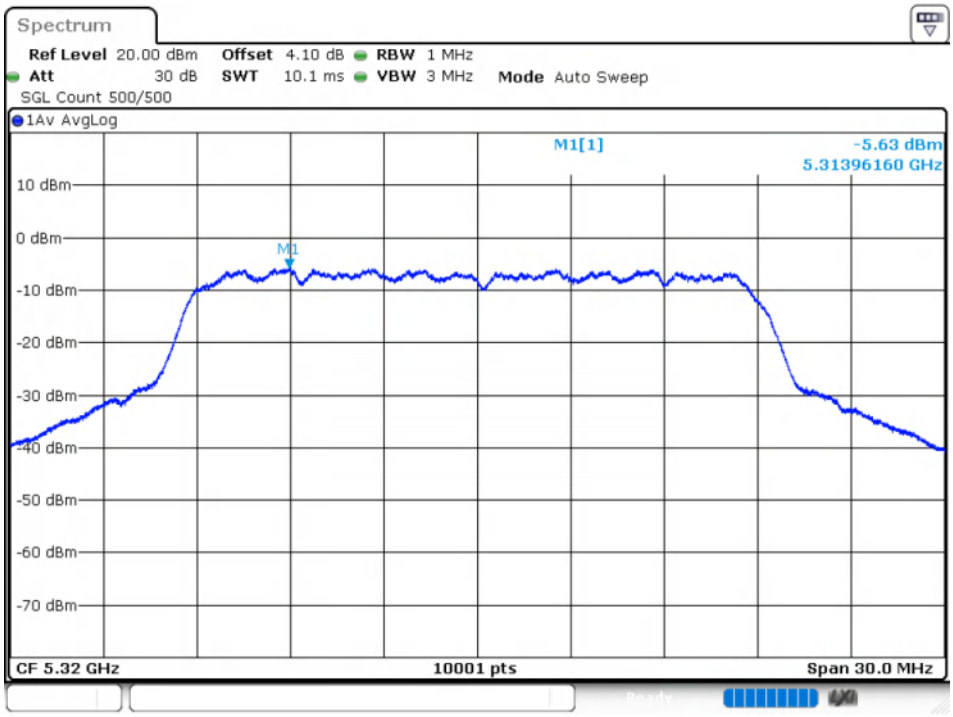
PSD NVNT n20 5280MHz Ant1



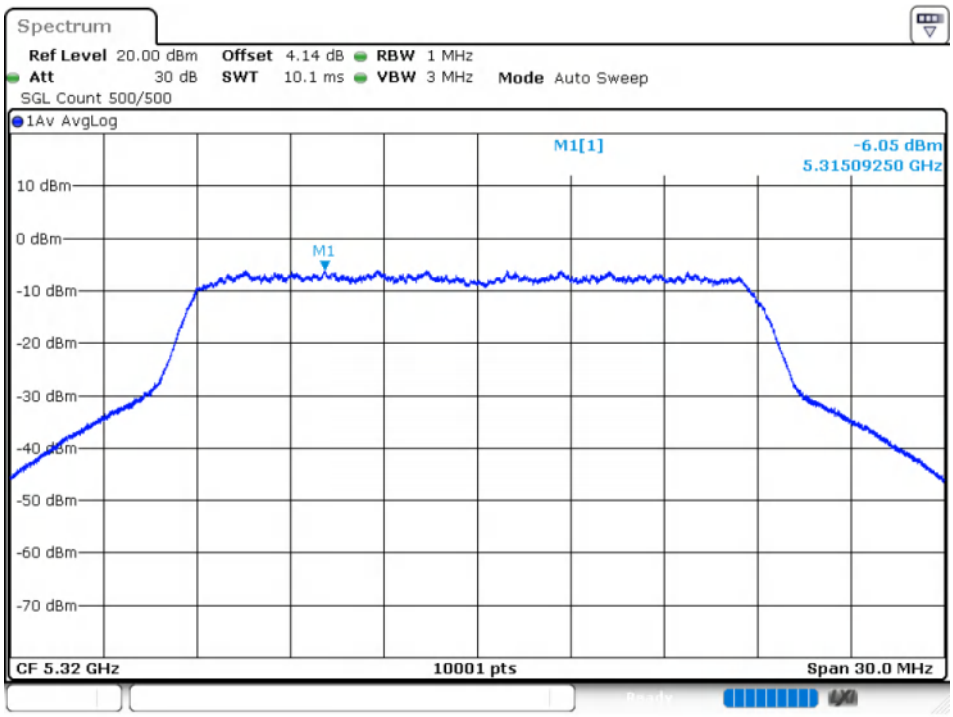
PSD NVNT n20 5280MHz Ant2



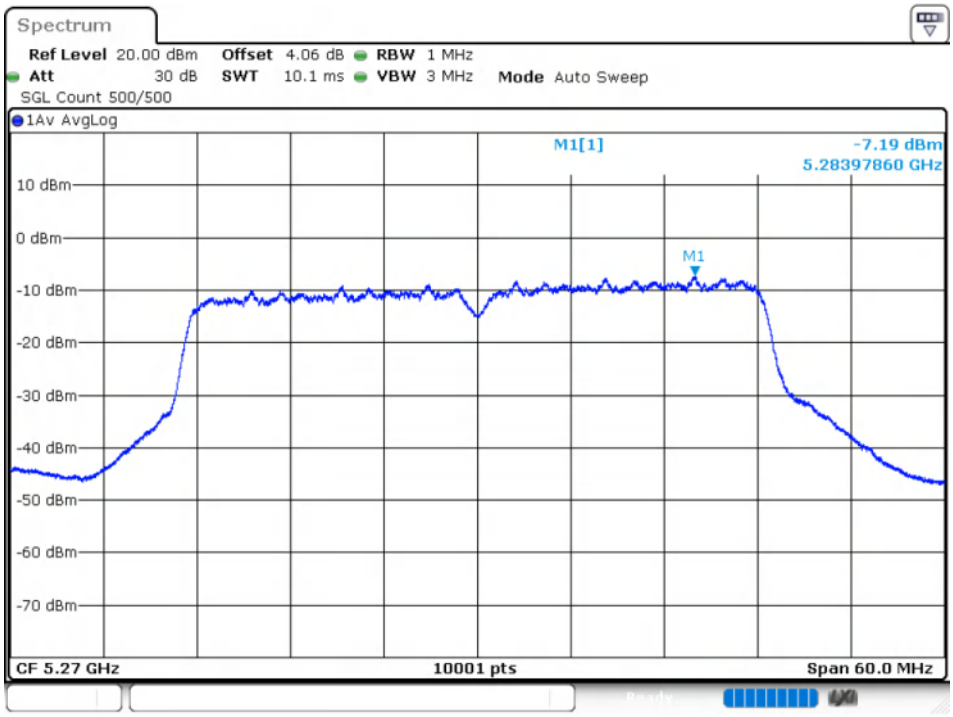
PSD NVNT n20 5320MHz Ant1



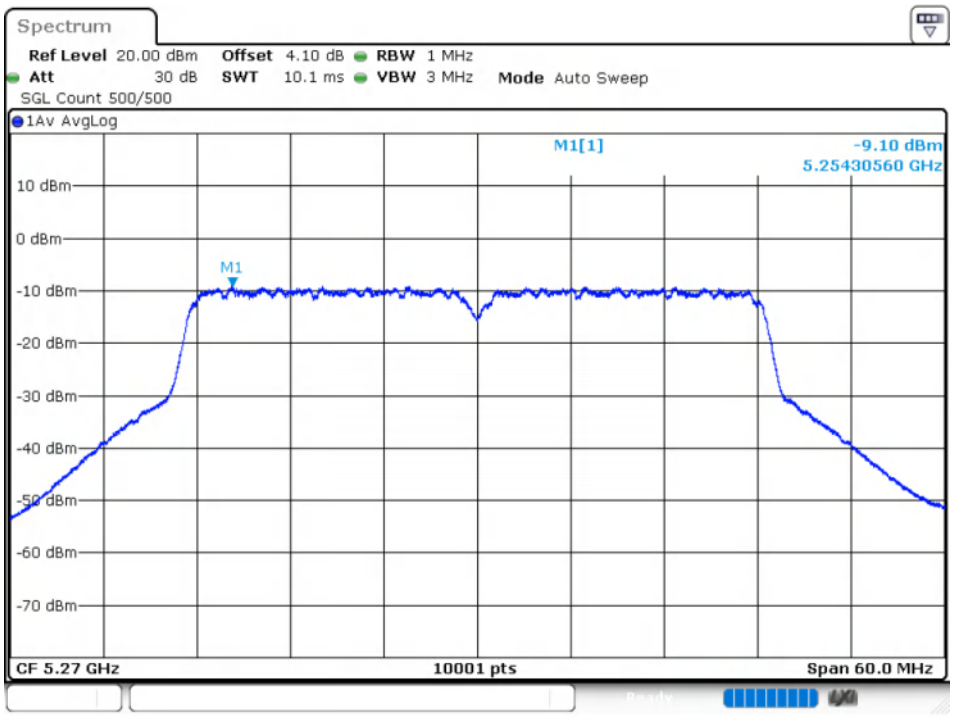
PSD NVNT n20 5320MHz Ant2



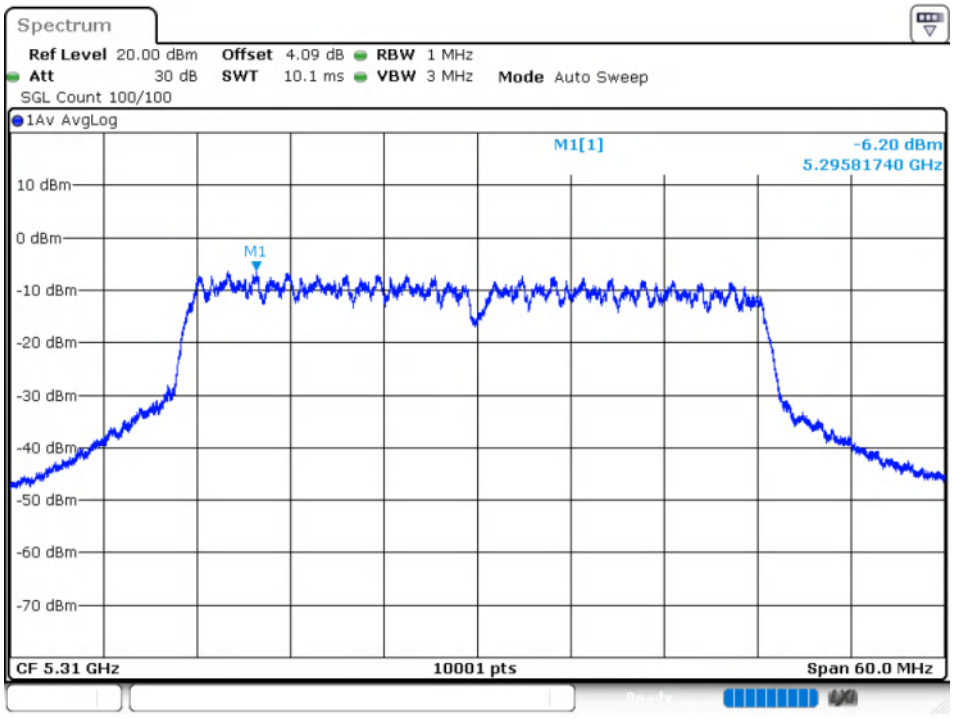
PSD NVNT n40 5270MHz Ant1



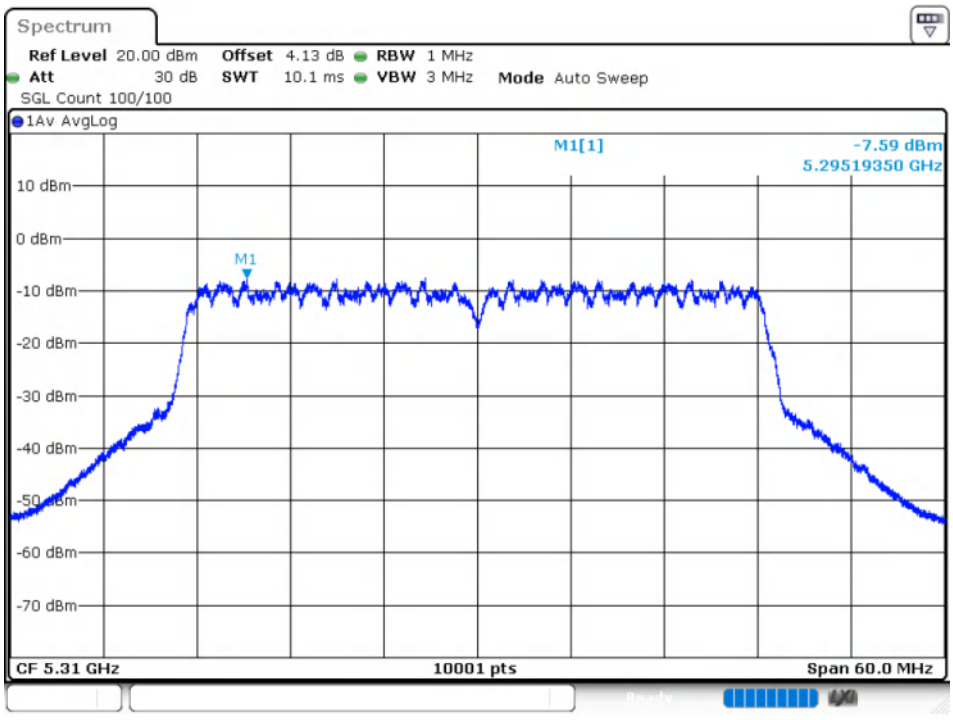
PSD NVNT n40 5270MHz Ant2



PSD NVNT n40 5310MHz Ant1



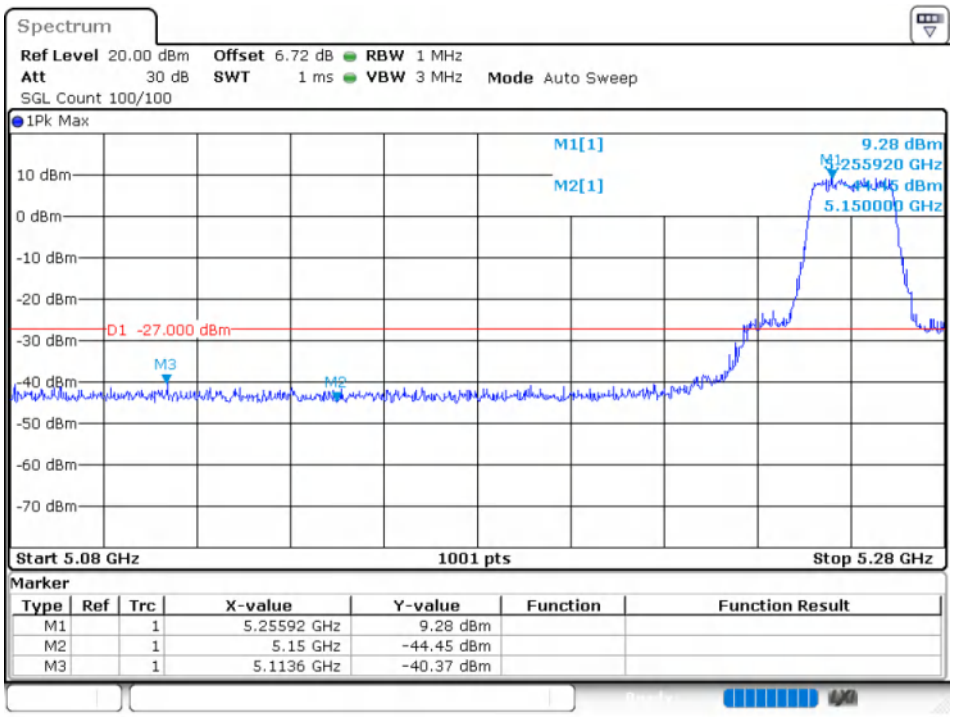
PSD NVNT n40 5310MHz Ant2



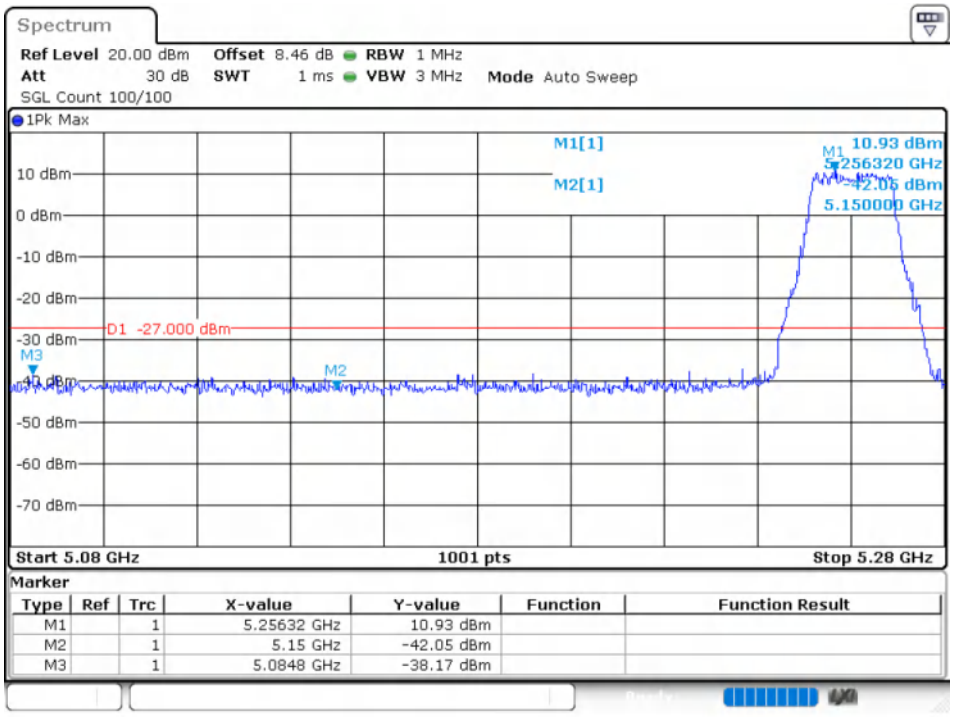
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ac20	5260	Ant1	-40.36	-27	Pass
NVNT	ac20	5260	Ant2	-38.17	-27	Pass
NVNT	ac20	5320	Ant1	-39.31	-27	Pass
NVNT	ac20	5320	Ant2	-37.17	-27	Pass
NVNT	ac40	5270	Ant1	-41.48	-27	Pass
NVNT	ac40	5270	Ant2	-39.22	-27	Pass
NVNT	ac40	5310	Ant1	-31.21	-27	Pass
NVNT	ac40	5310	Ant2	-37.67	-27	Pass
NVNT	ac80	5290	Ant1	-49.01	-27	Pass
NVNT	ac80	5290	Ant2	-47.39	-27	Pass
NVNT	n20	5260	Ant1	-40.88	-27	Pass
NVNT	n20	5260	Ant2	-39.46	-27	Pass
NVNT	n20	5320	Ant1	-39.58	-27	Pass
NVNT	n20	5320	Ant2	-37.66	-27	Pass
NVNT	n40	5270	Ant1	-40.84	-27	Pass
NVNT	n40	5270	Ant2	-38.82	-27	Pass
NVNT	n40	5310	Ant1	-32.62	-27	Pass
NVNT	n40	5310	Ant2	-38.31	-27	Pass

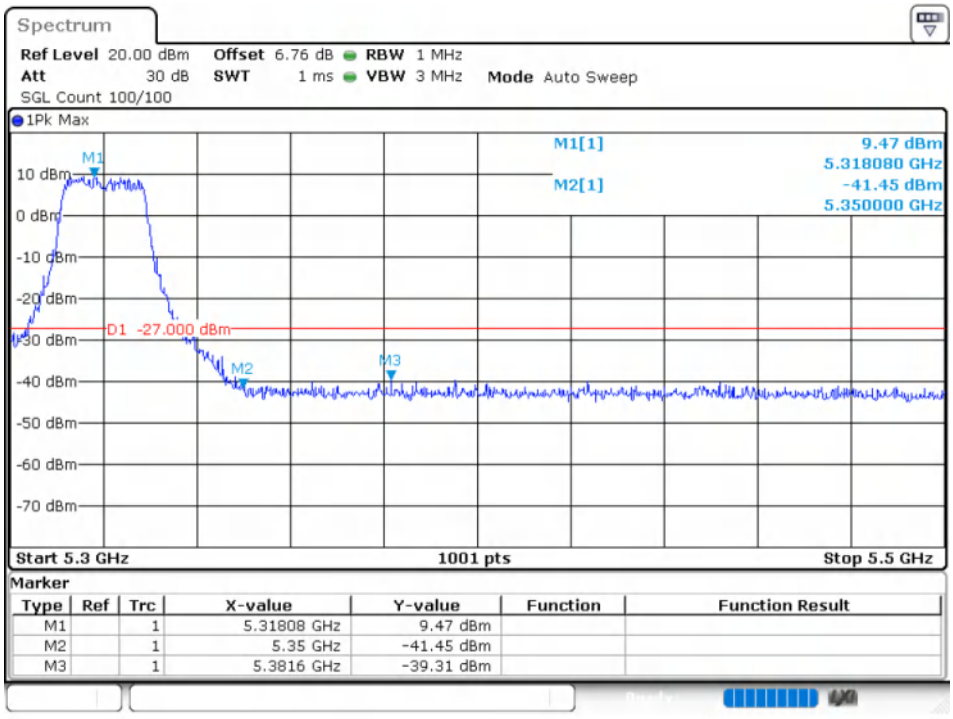
Test Graphs
Band Edge NVNT ac20 5260MHz Low Ant1



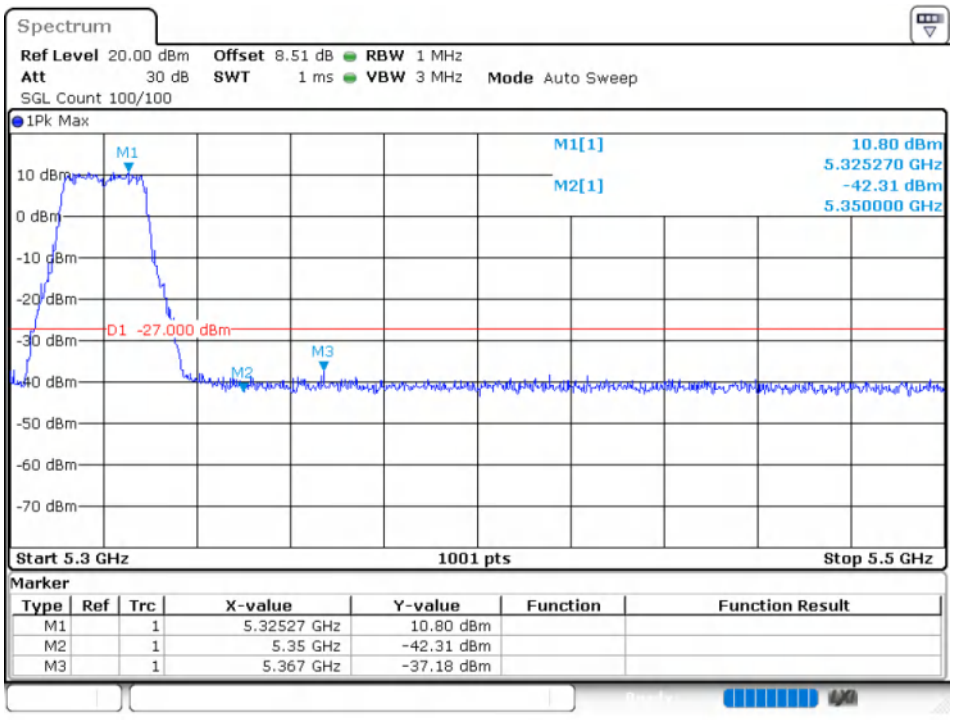
Band Edge NVNT ac20 5260MHz Low Ant2



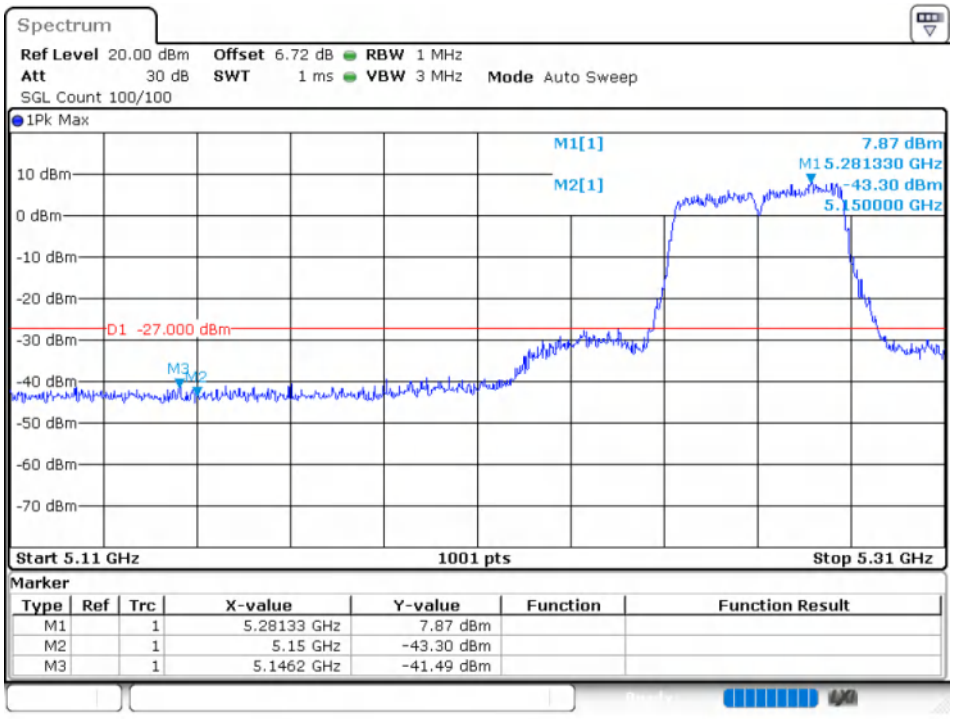
Band Edge NVNT ac20 5320MHz High Ant1



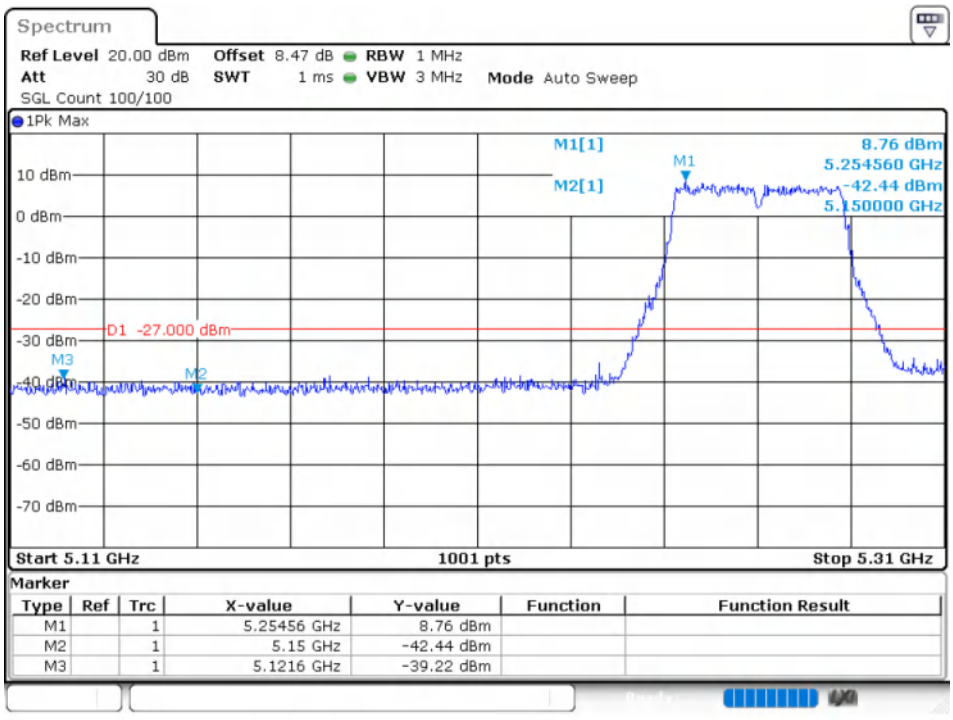
Band Edge NVNT ac20 5320MHz High Ant2



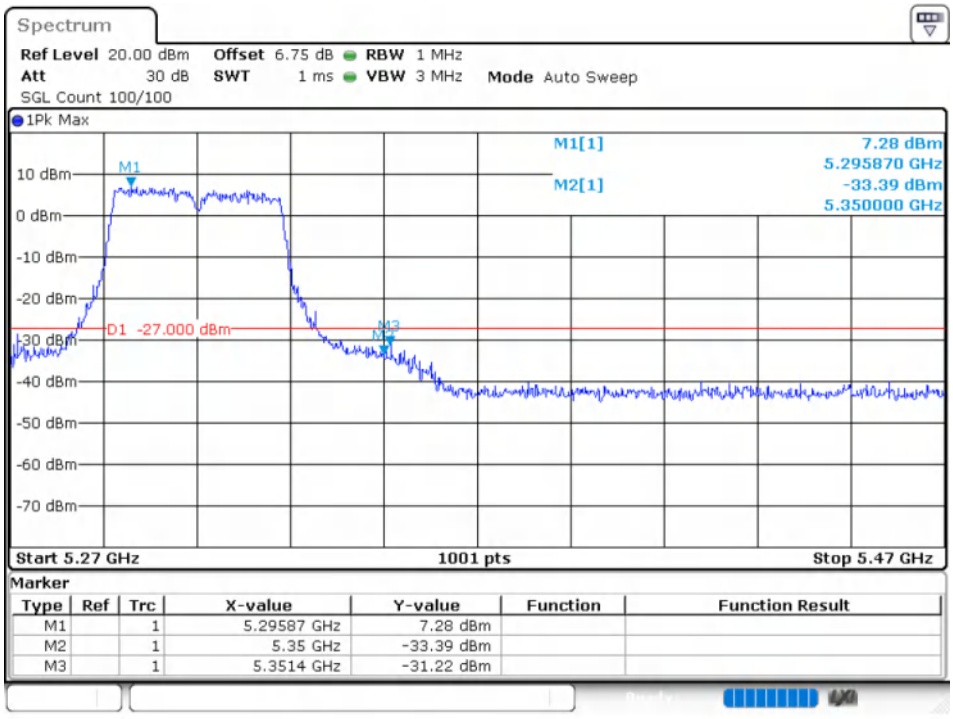
Band Edge NVNT ac40 5270MHz Low Ant1



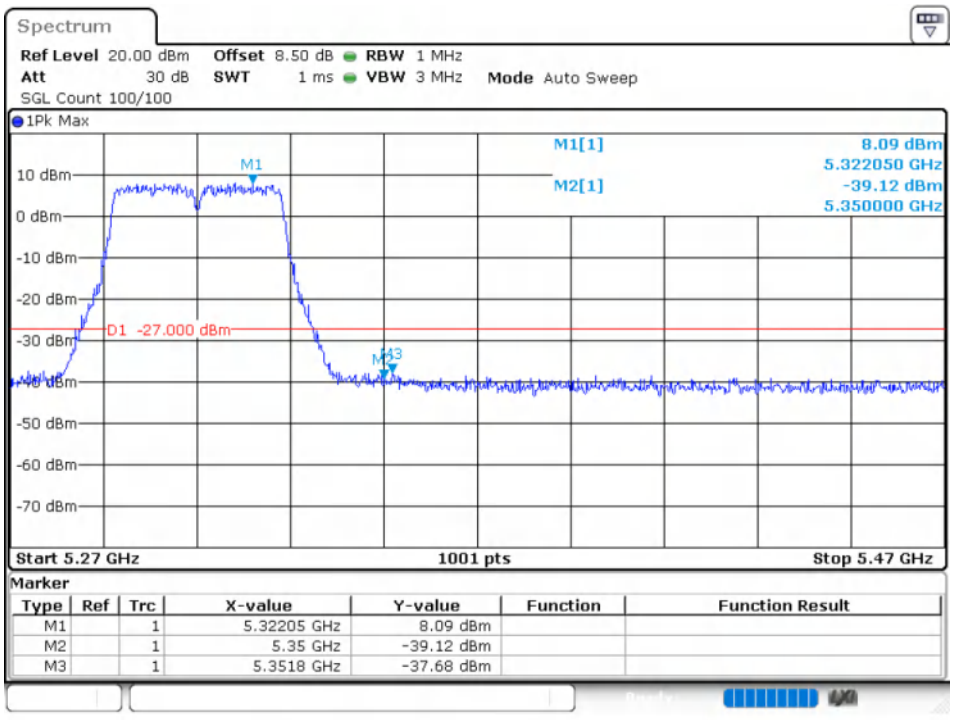
Band Edge NVNT ac40 5270MHz Low Ant2



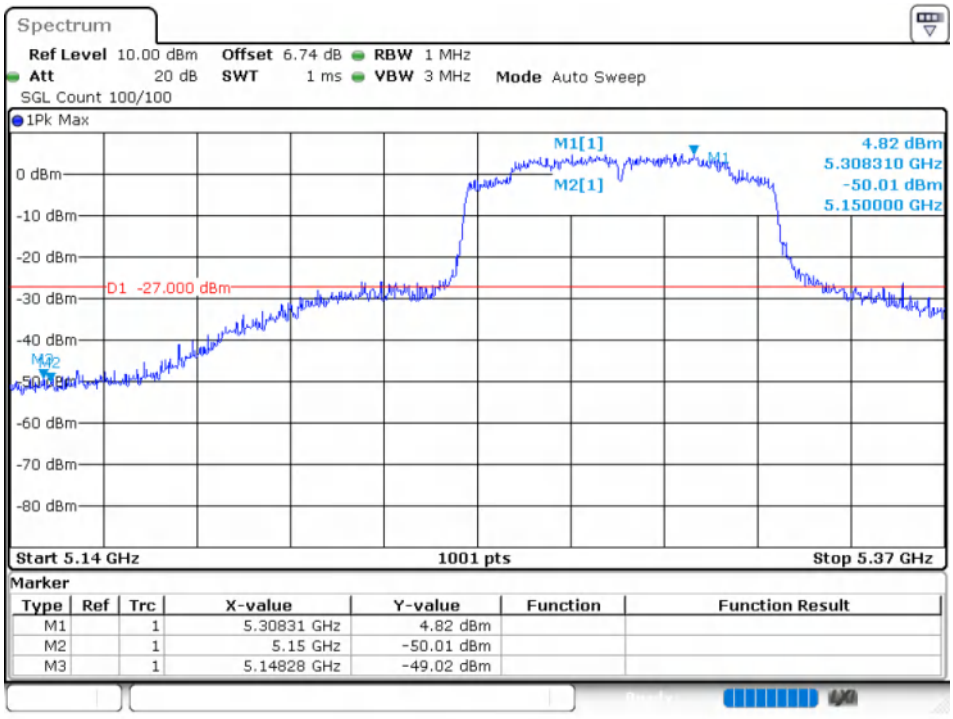
Band Edge NVNT ac40 5310MHz High Ant1



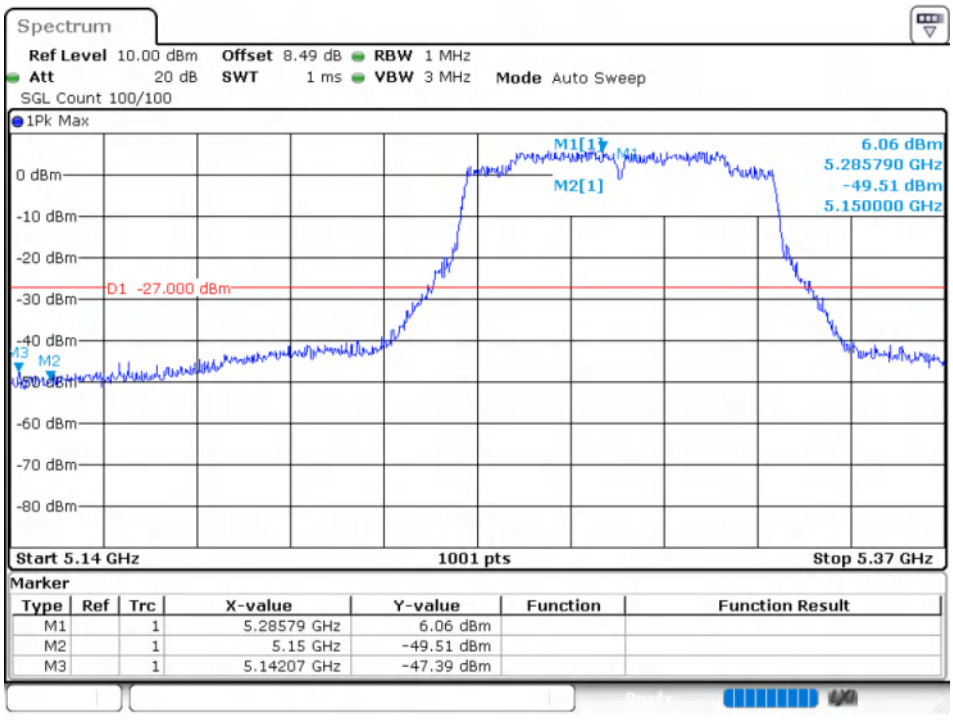
Band Edge NVNT ac40 5310MHz High Ant2



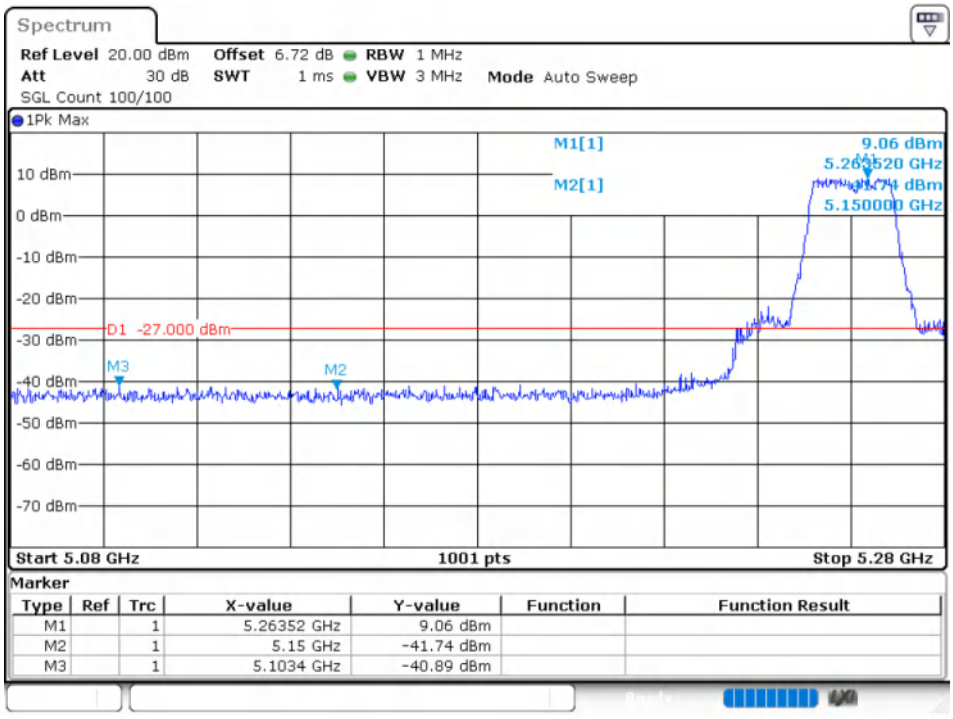
Band Edge NVNT ac80 5290MHz Low Ant1



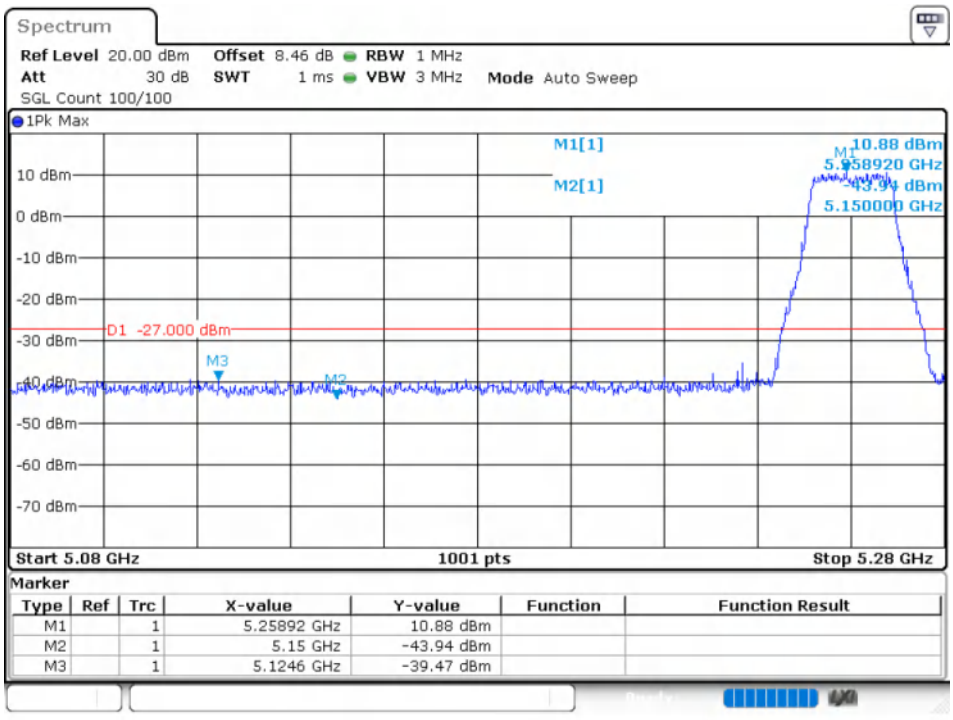
Band Edge NVNT ac80 5290MHz Low Ant2



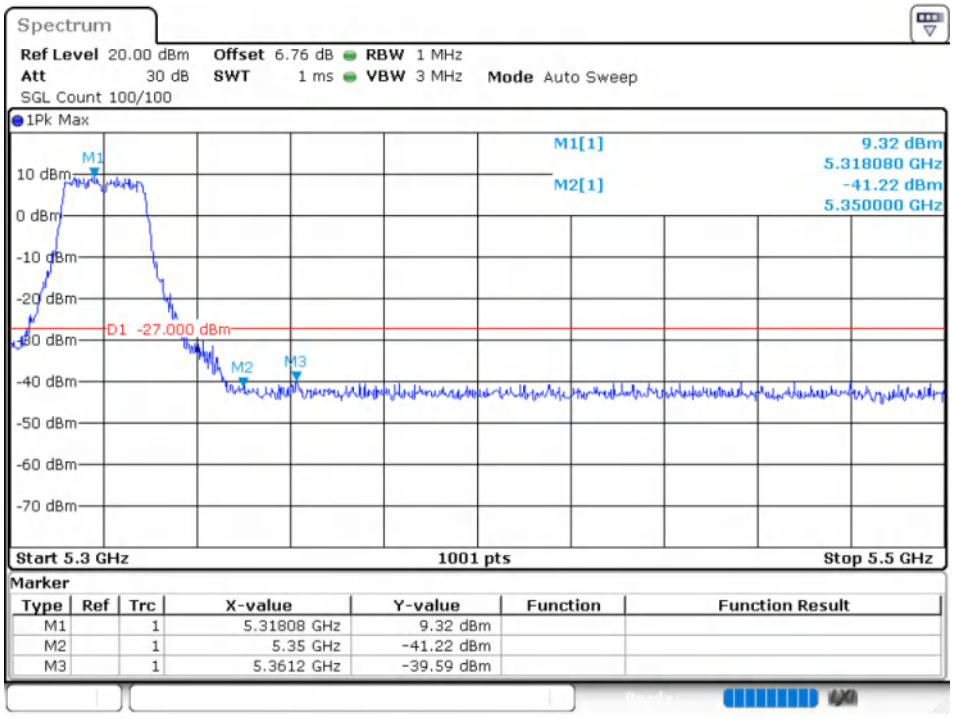
Band Edge NVNT n20 5260MHz Low Ant1



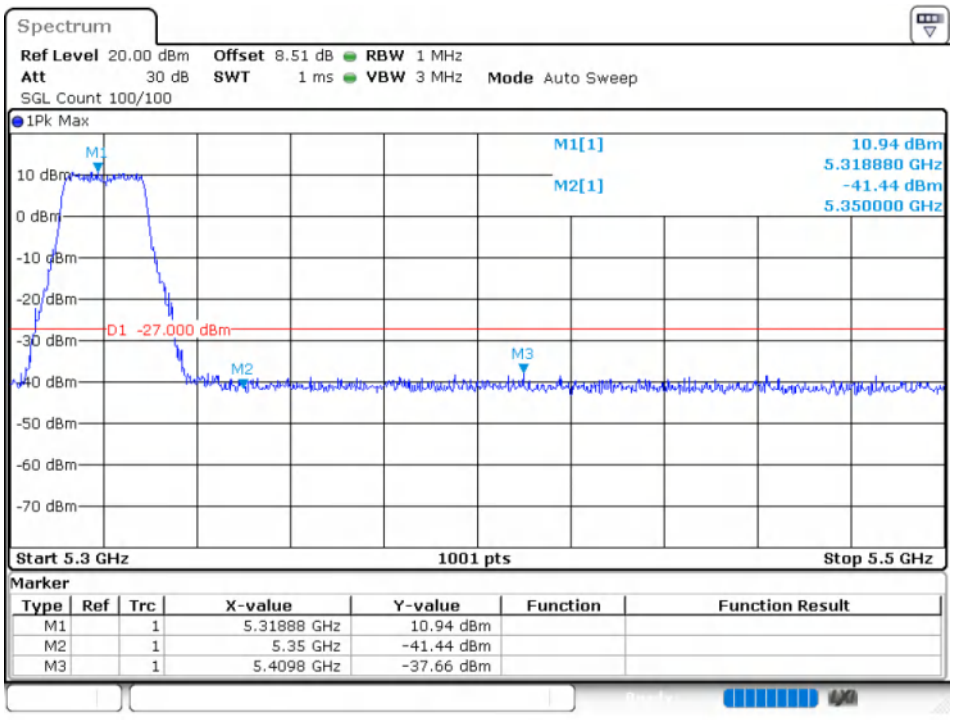
Band Edge NVNT n20 5260MHz Low Ant2



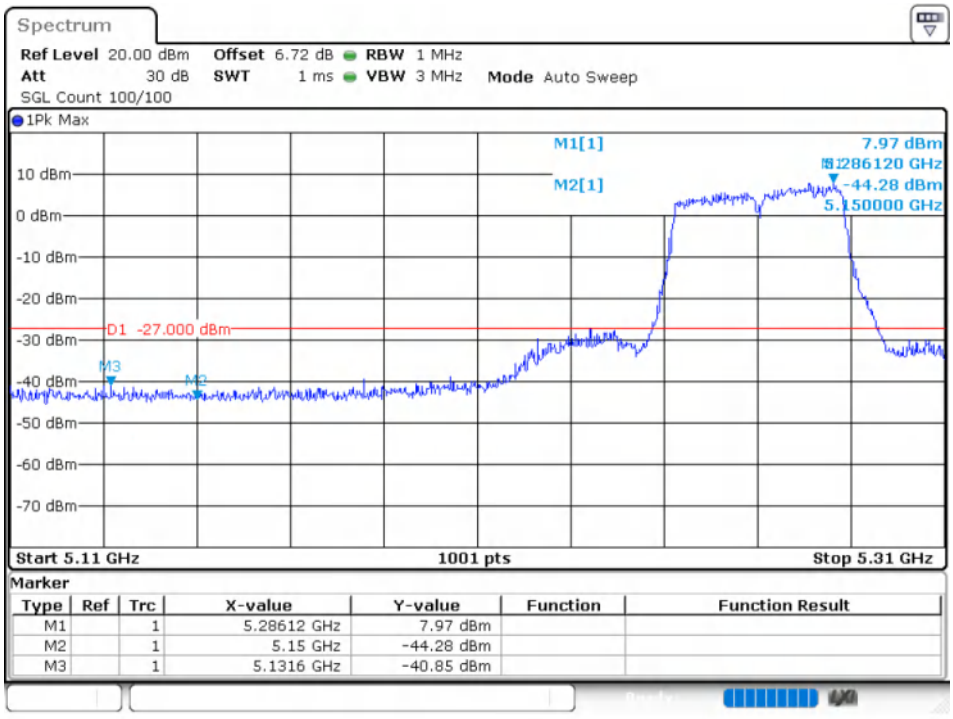
Band Edge NVNT n20 5320MHz High Ant1



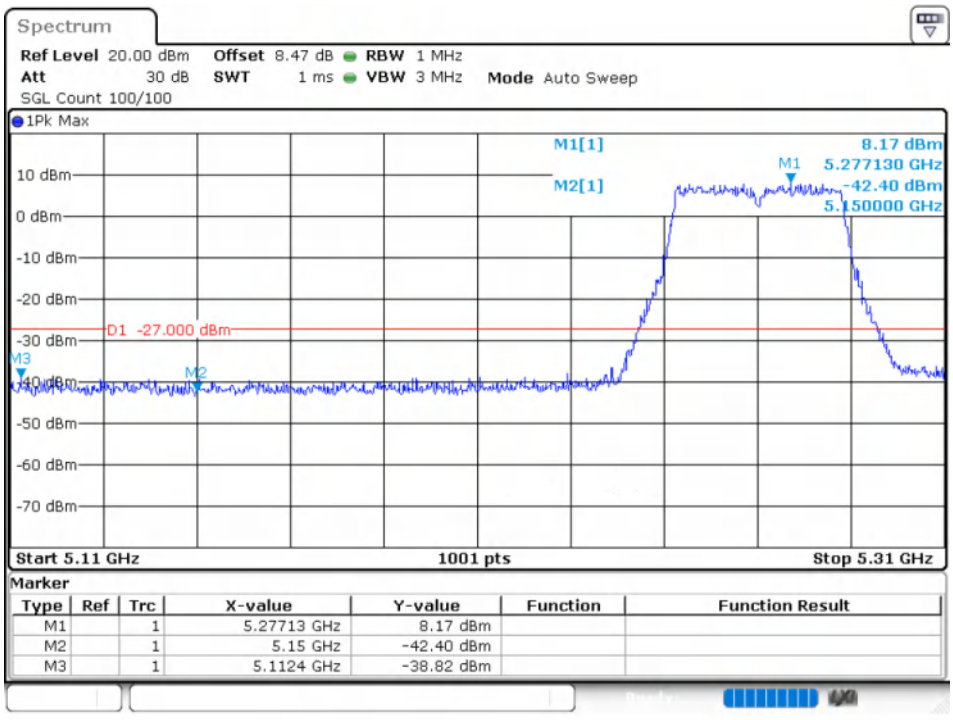
Band Edge NVNT n20 5320MHz High Ant2



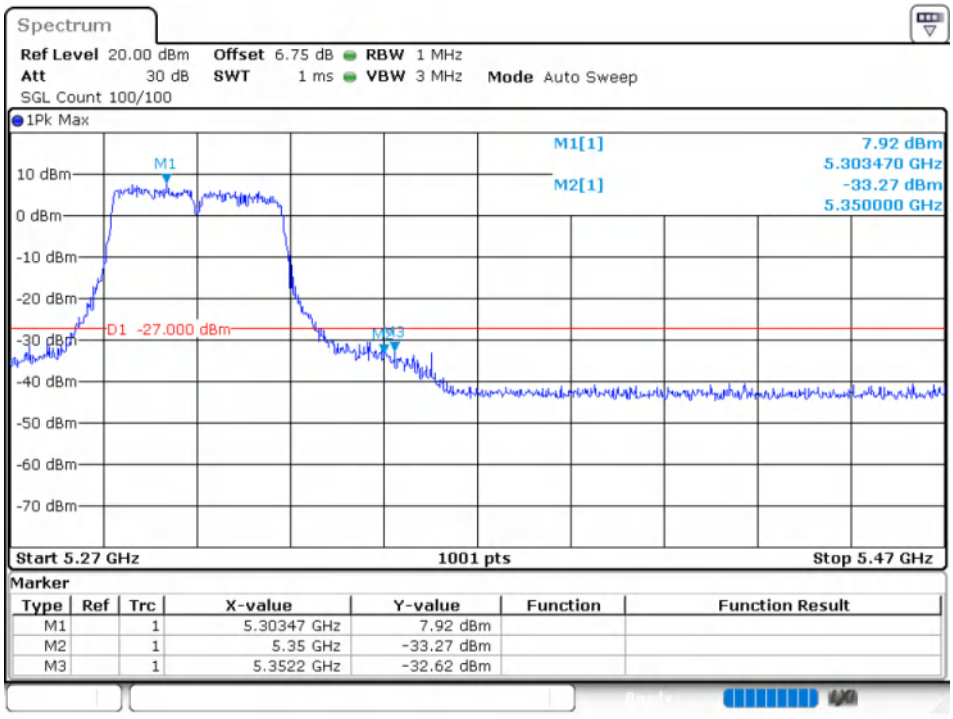
Band Edge NVNT n40 5270MHz Low Ant1



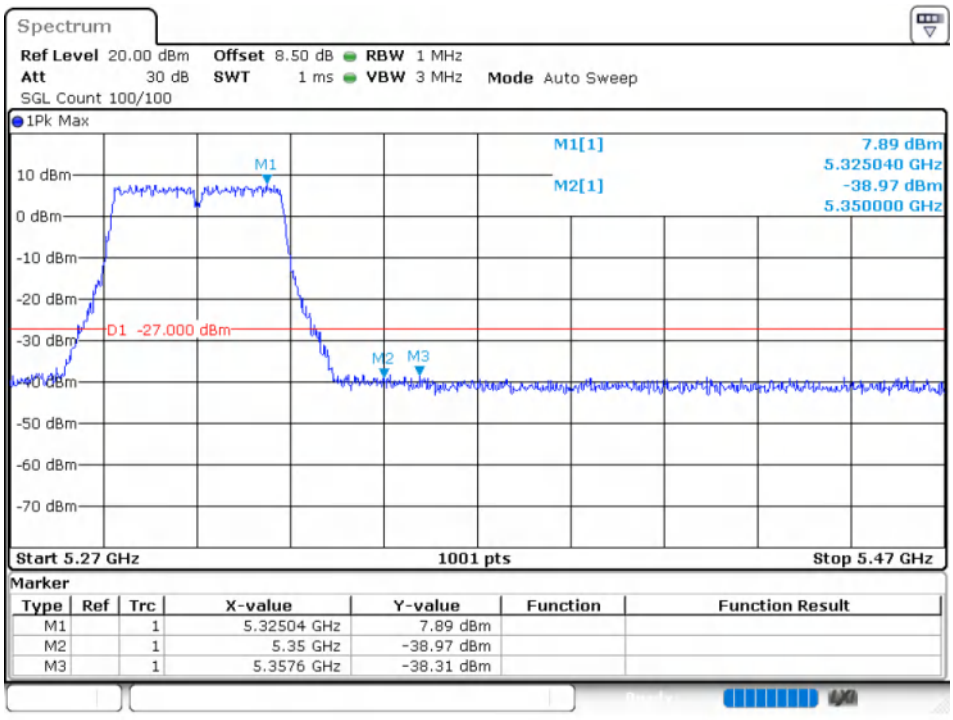
Band Edge NVNT n40 5270MHz Low Ant2



Band Edge NVNT n40 5310MHz High Ant1

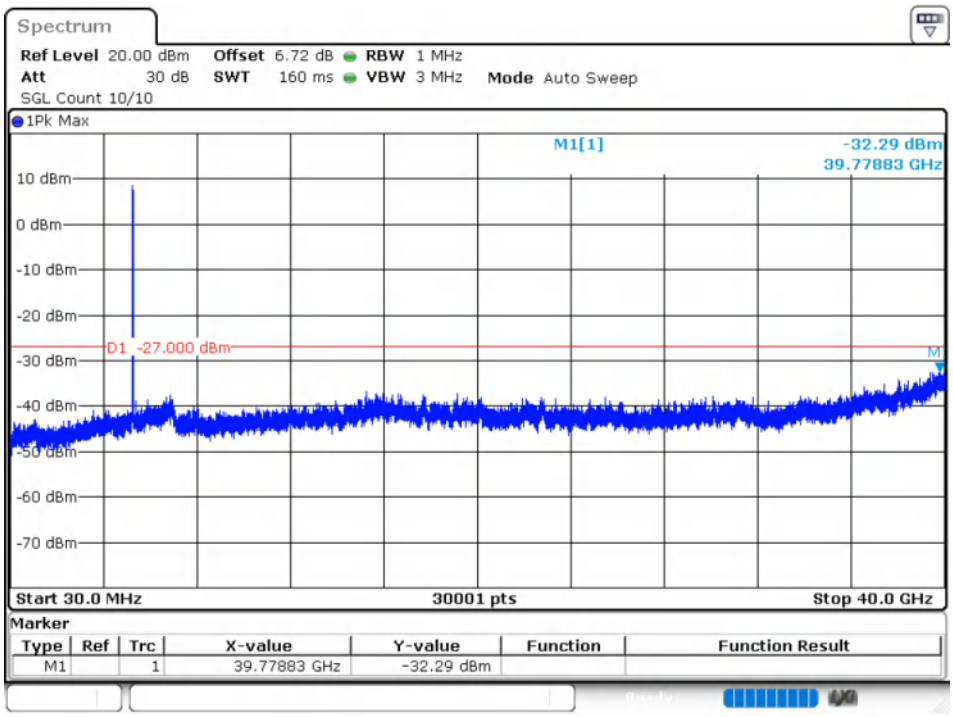
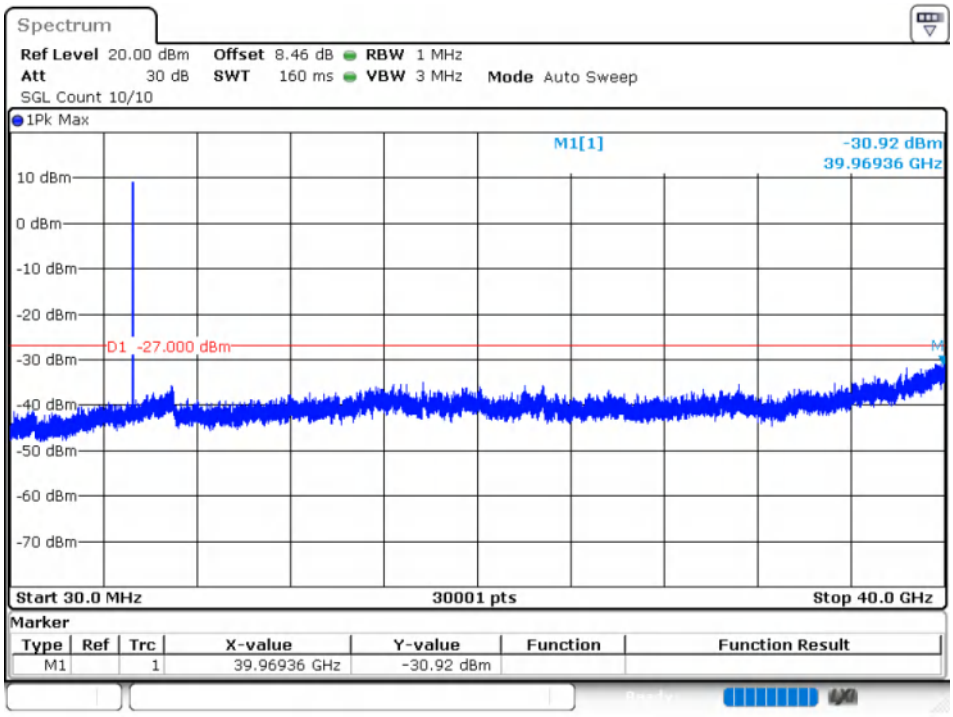


Band Edge NVNT n40 5310MHz High Ant2

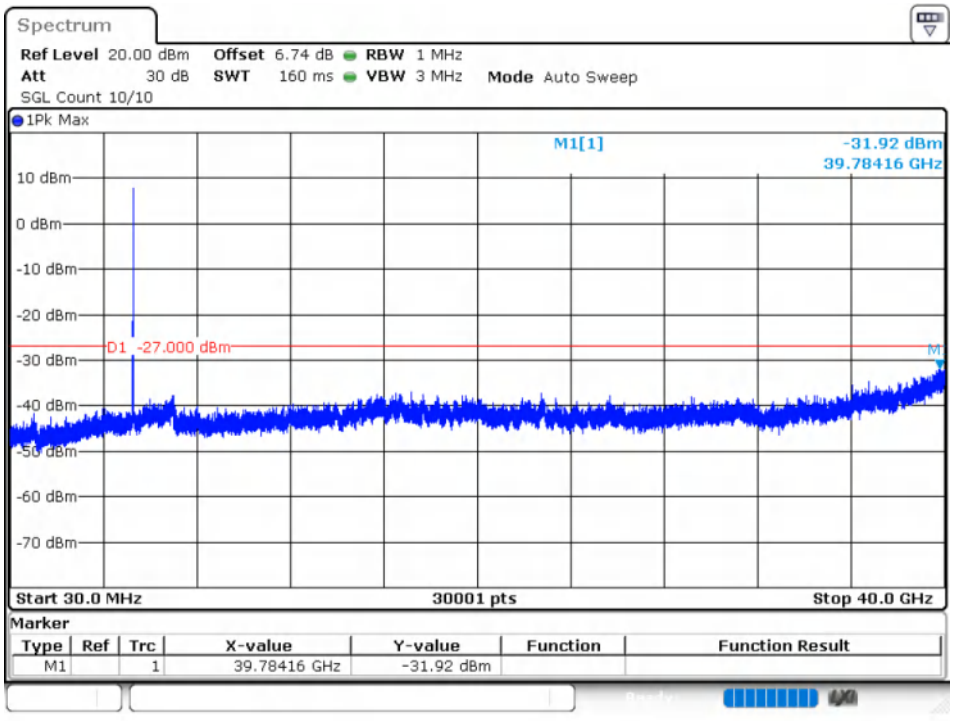


Conducted RF Spurious Emission

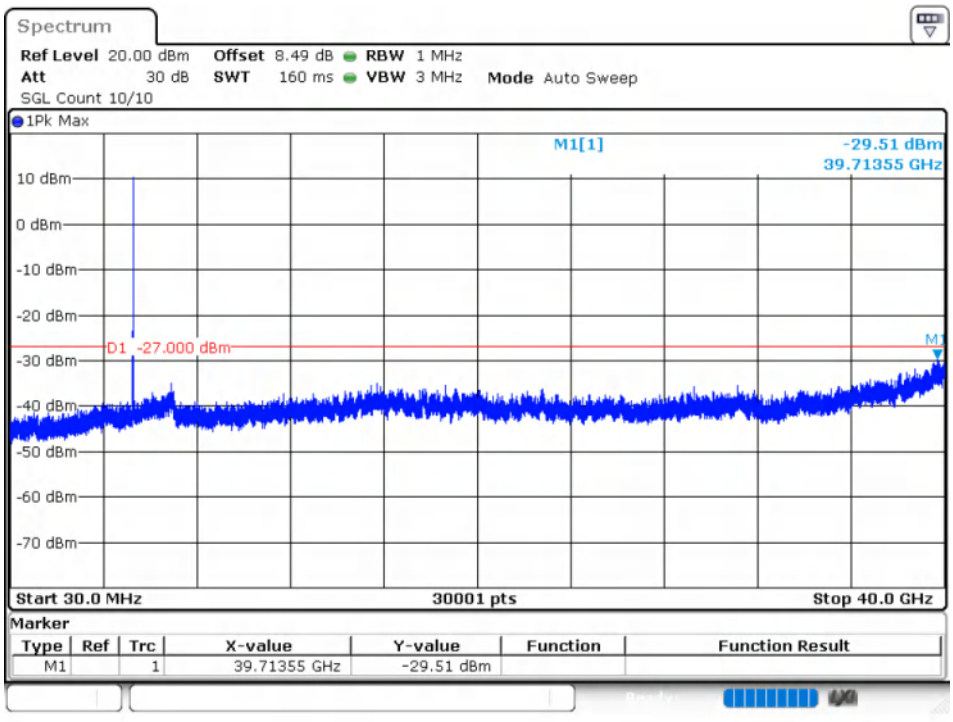
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ac20	5260	Ant1	-32.29	-27	Pass
NVNT	ac20	5260	Ant2	-30.91	-27	Pass
NVNT	ac20	5280	Ant1	-31.92	-27	Pass
NVNT	ac20	5280	Ant2	-29.51	-27	Pass
NVNT	ac20	5320	Ant1	-32.22	-27	Pass
NVNT	ac20	5320	Ant2	-29.81	-27	Pass
NVNT	ac40	5270	Ant1	-31.9	-27	Pass
NVNT	ac40	5270	Ant2	-29.99	-27	Pass
NVNT	ac40	5310	Ant1	-32.51	-27	Pass
NVNT	ac40	5310	Ant2	-29.64	-27	Pass
NVNT	ac80	5290	Ant1	-41.58	-27	Pass
NVNT	ac80	5290	Ant2	-39.29	-27	Pass
NVNT	n20	5260	Ant1	-32.1	-27	Pass
NVNT	n20	5260	Ant2	-29.09	-27	Pass
NVNT	n20	5280	Ant1	-31.62	-27	Pass
NVNT	n20	5280	Ant2	-30.16	-27	Pass
NVNT	n20	5320	Ant1	-32.15	-27	Pass
NVNT	n20	5320	Ant2	-29.98	-27	Pass
NVNT	n40	5270	Ant1	-32.17	-27	Pass
NVNT	n40	5270	Ant2	-30.48	-27	Pass
NVNT	n40	5310	Ant1	-31.98	-27	Pass
NVNT	n40	5310	Ant2	-30.05	-27	Pass

Test Graphs
Tx. Spurious NVNT ac20 5260MHz Ant1 Emission

Tx. Spurious NVNT ac20 5260MHz Ant2 Emission


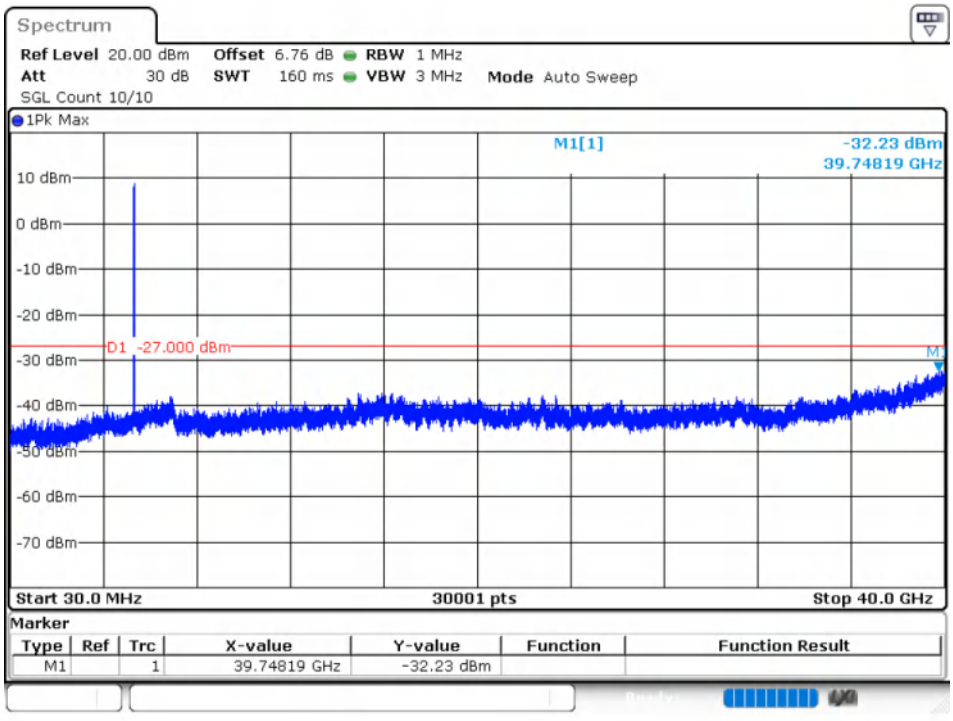
Tx. Spurious NVNT ac20 5280MHz Ant1 Emission



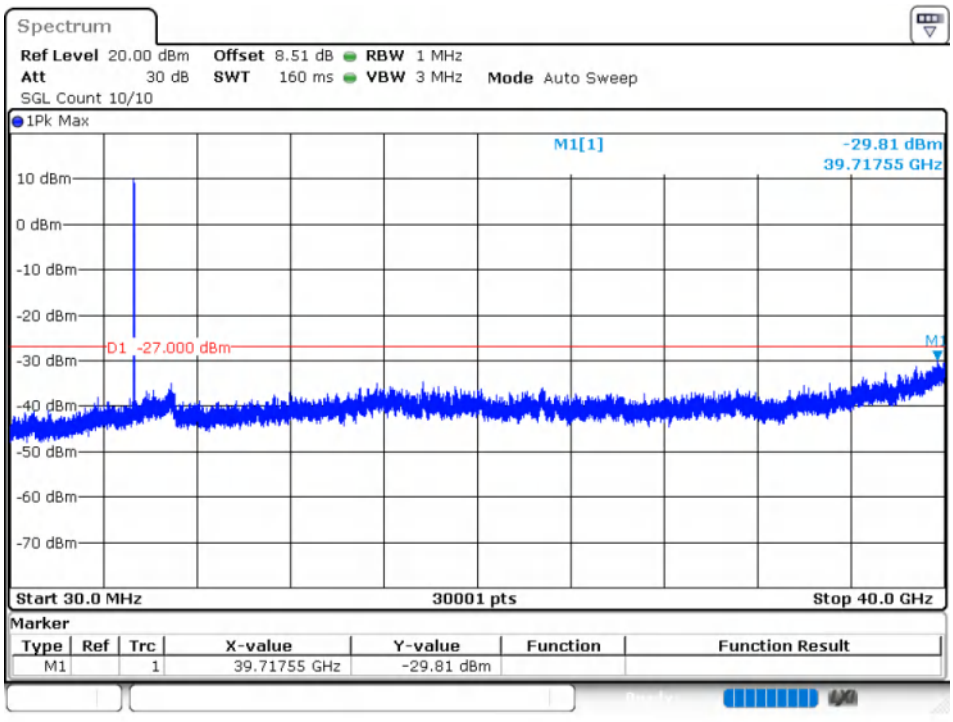
Tx. Spurious NVNT ac20 5280MHz Ant2 Emission



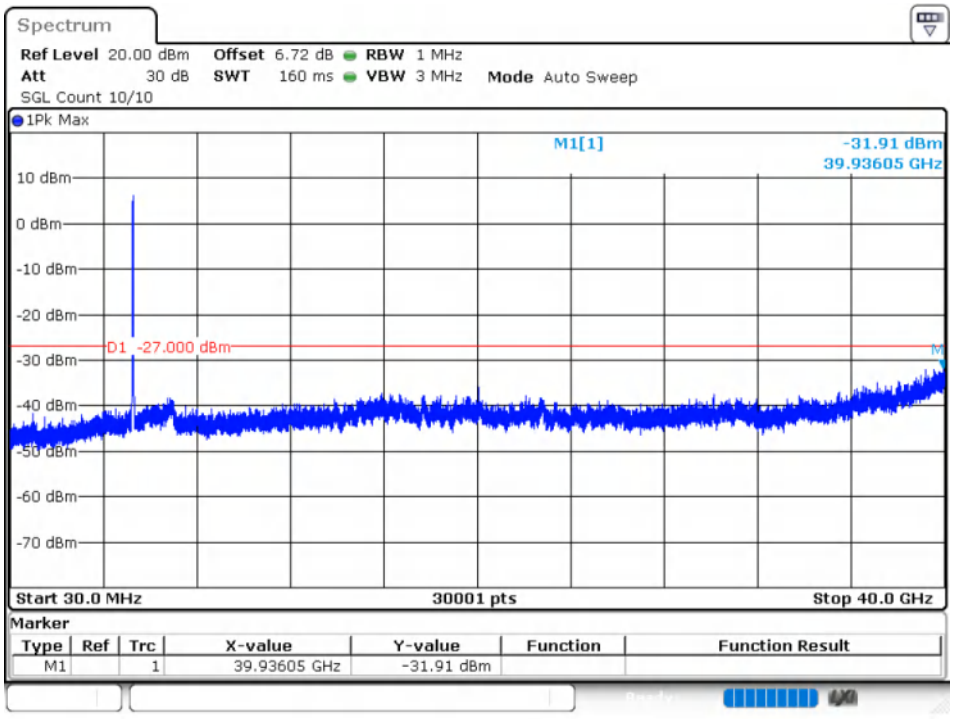
Tx. Spurious NVNT ac20 5320MHz Ant1 Emission



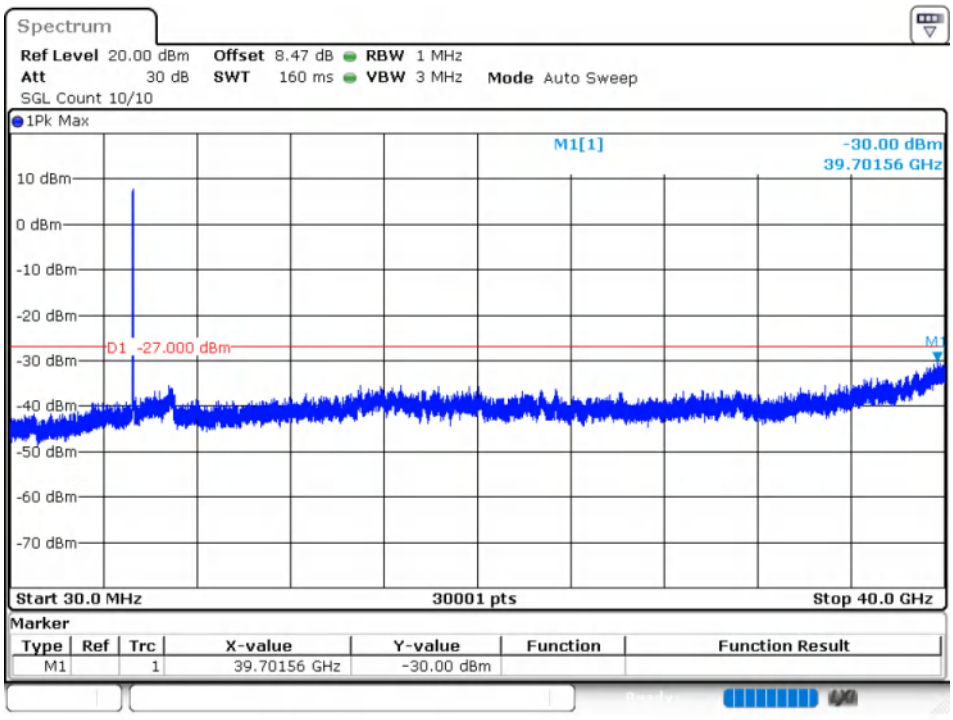
Tx. Spurious NVNT ac20 5320MHz Ant2 Emission



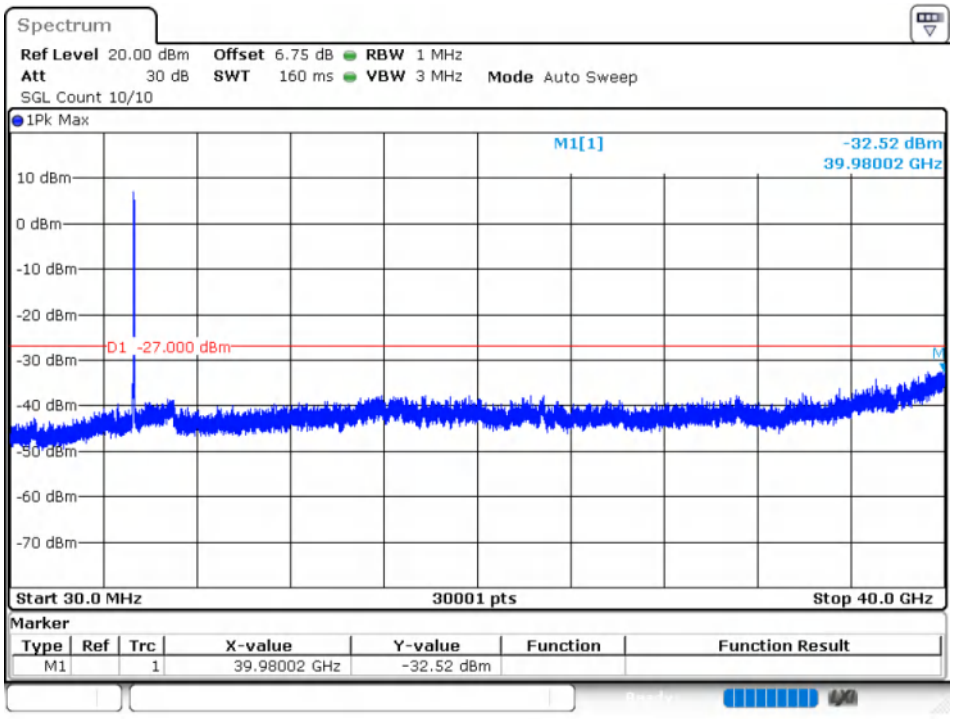
Tx. Spurious NVNT ac40 5270MHz Ant1 Emission



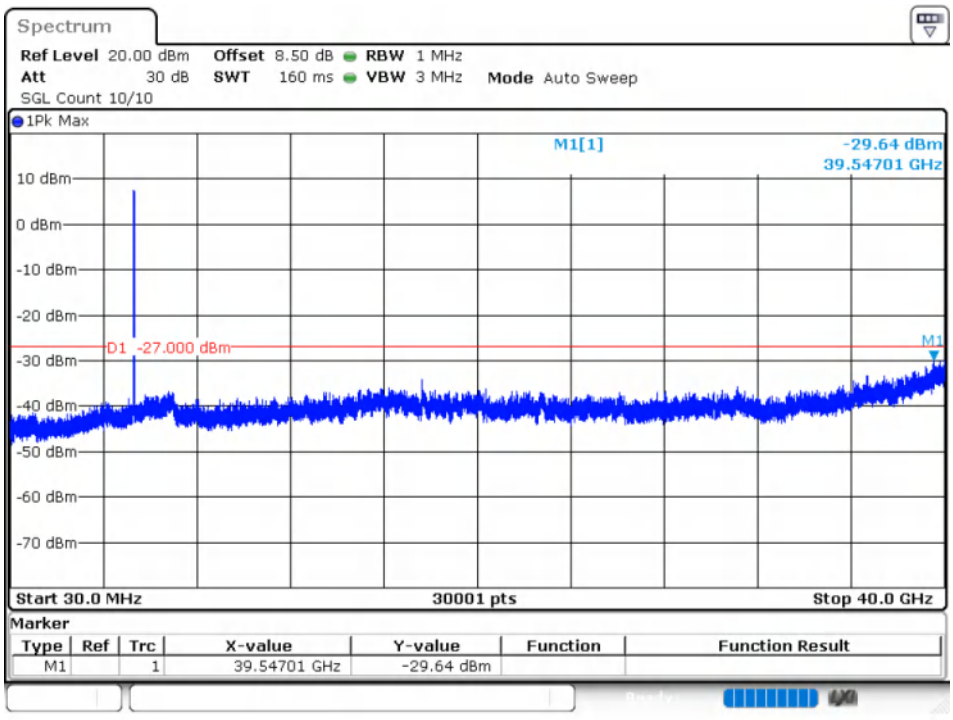
Tx. Spurious NVNT ac40 5270MHz Ant2 Emission



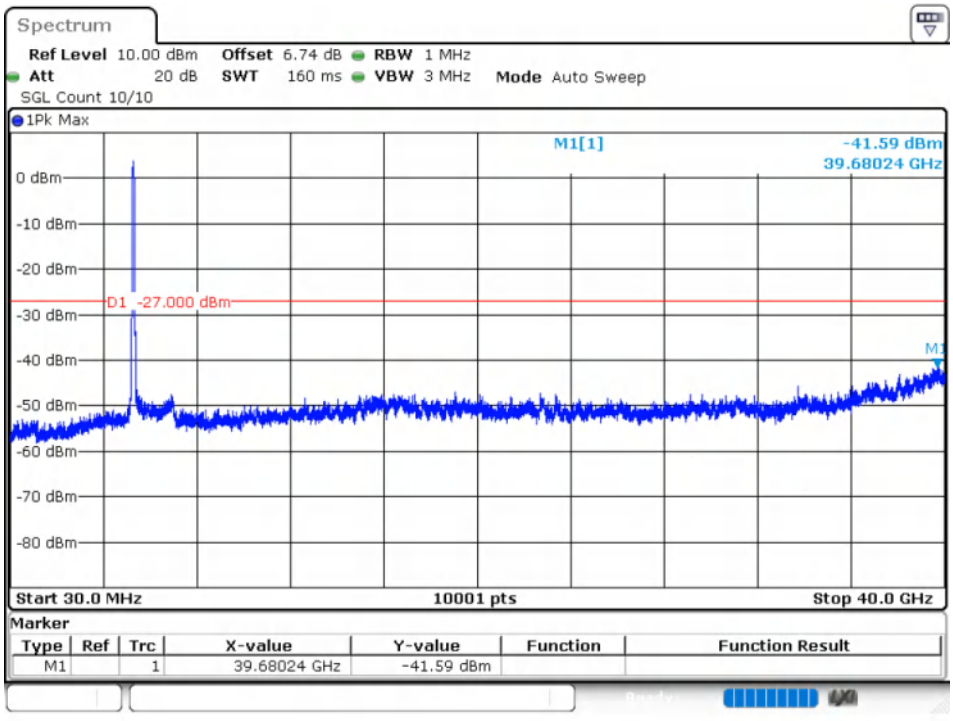
Tx. Spurious NVNT ac40 5310MHz Ant1 Emission



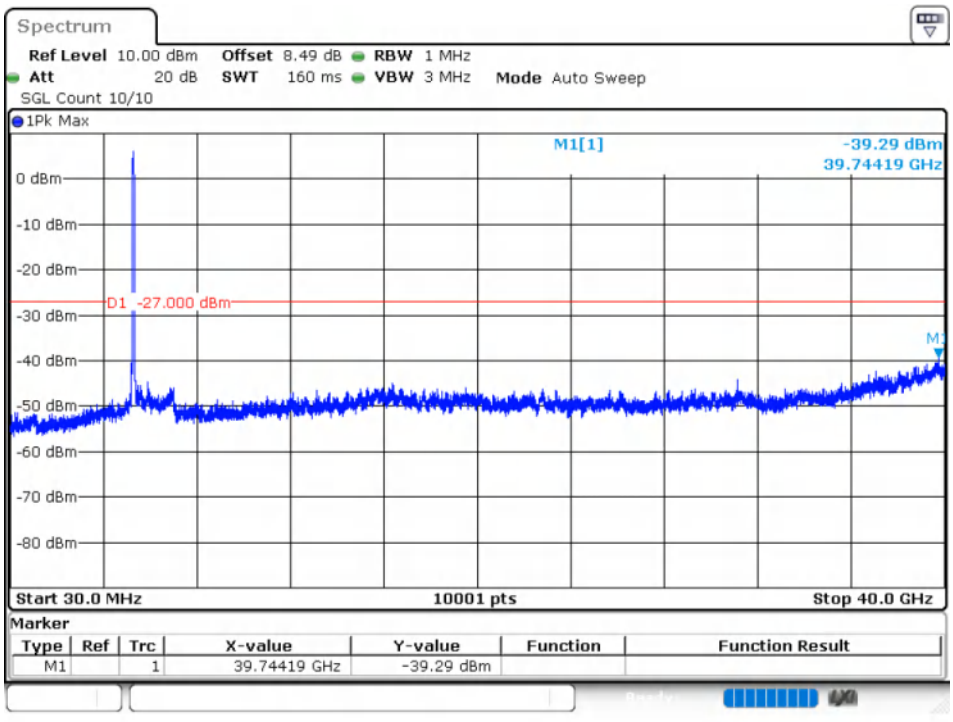
Tx. Spurious NVNT ac40 5310MHz Ant2 Emission



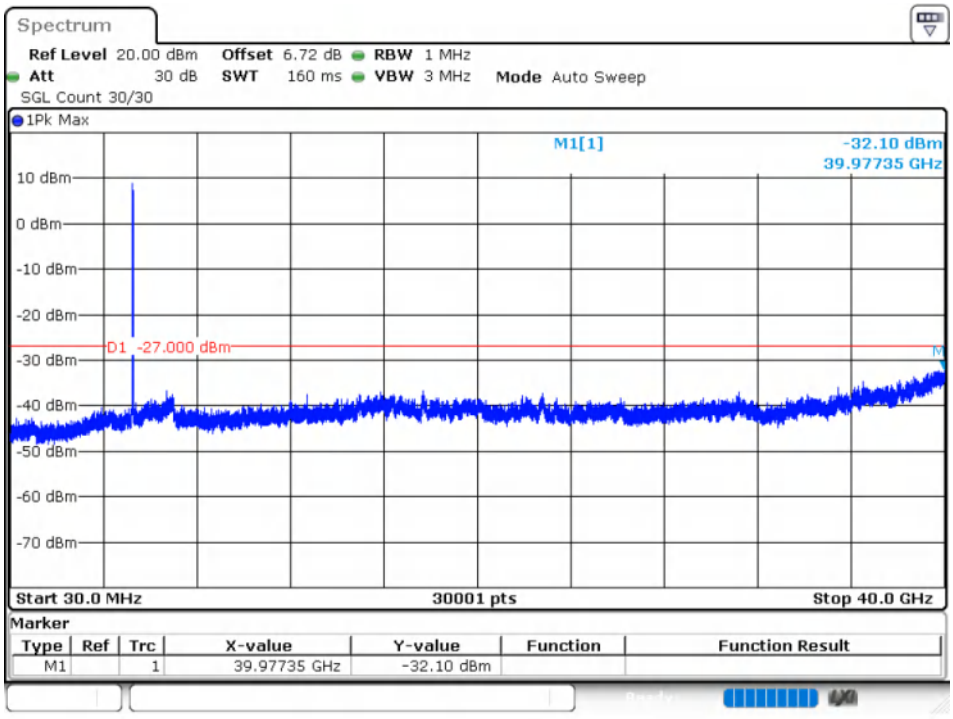
Tx. Spurious NVNT ac80 5290MHz Ant1 Emission



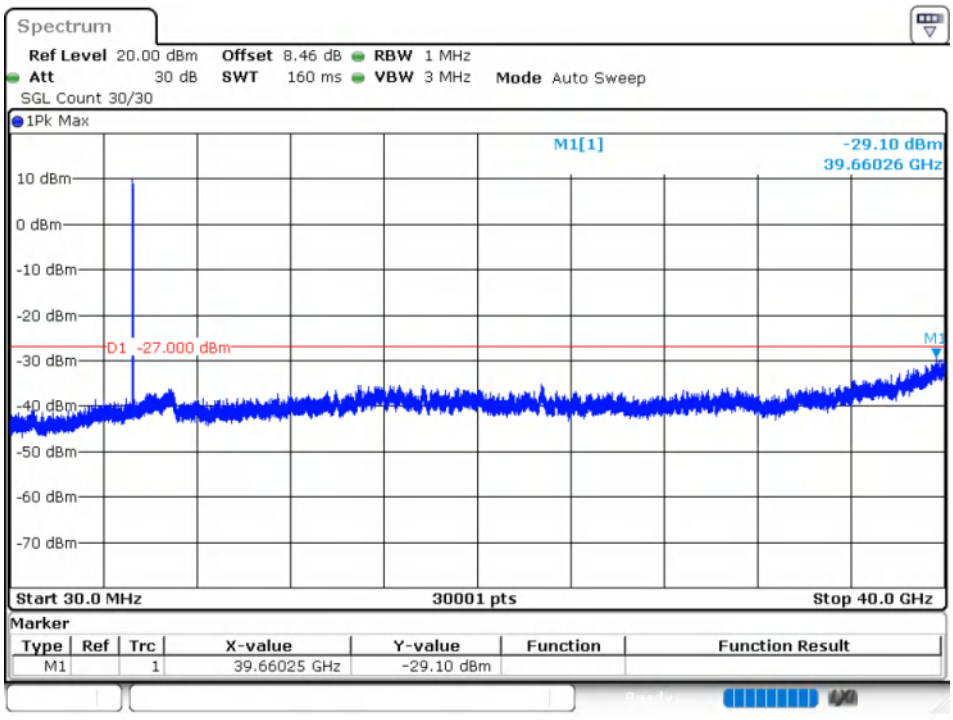
Tx. Spurious NVNT ac80 5290MHz Ant2 Emission



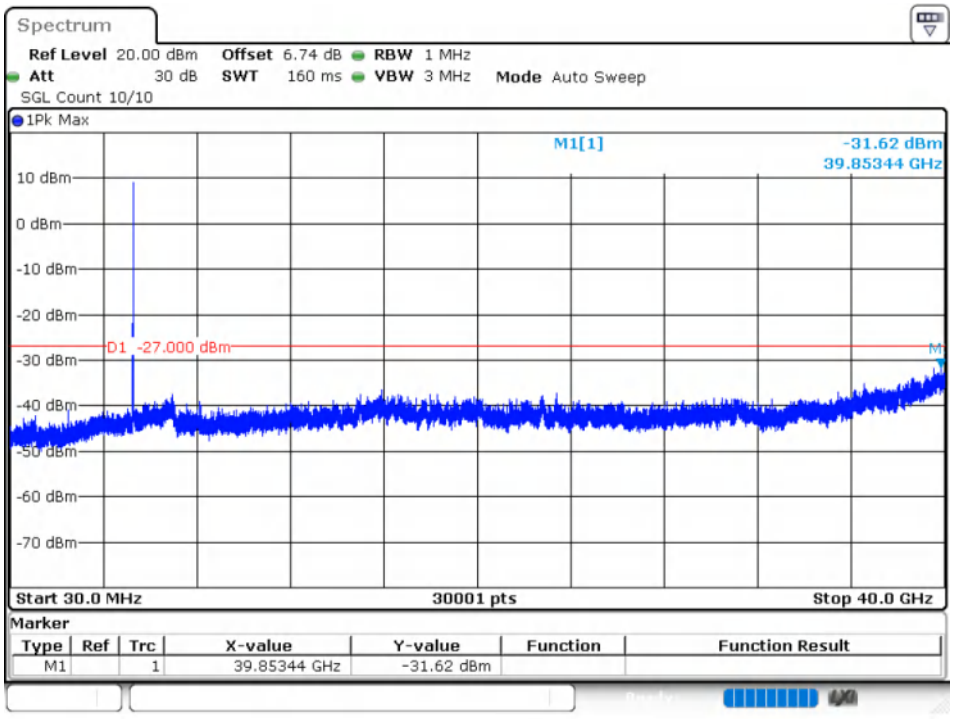
Tx. Spurious NVNT n20 5260MHz Ant1 Emission



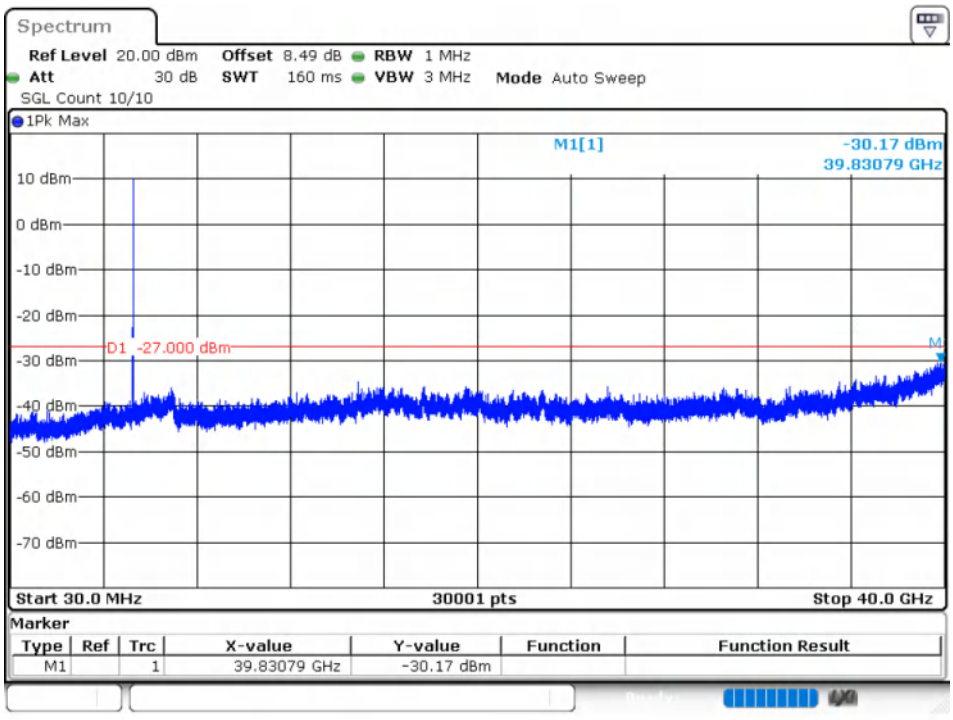
Tx. Spurious NVNT n20 5260MHz Ant2 Emission



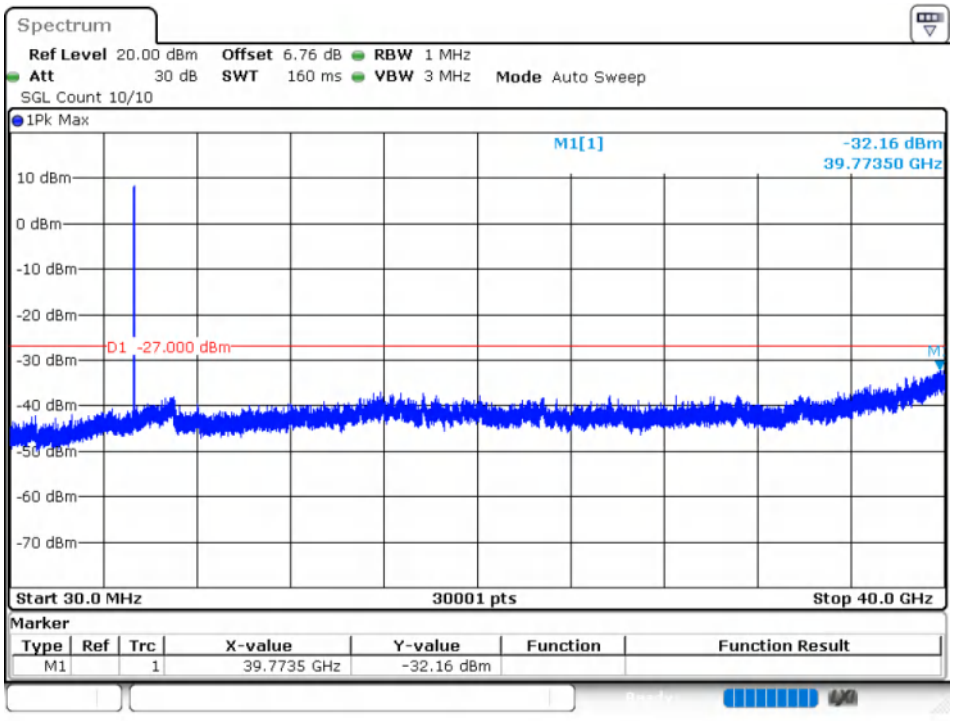
Tx. Spurious NVNT n20 5280MHz Ant1 Emission



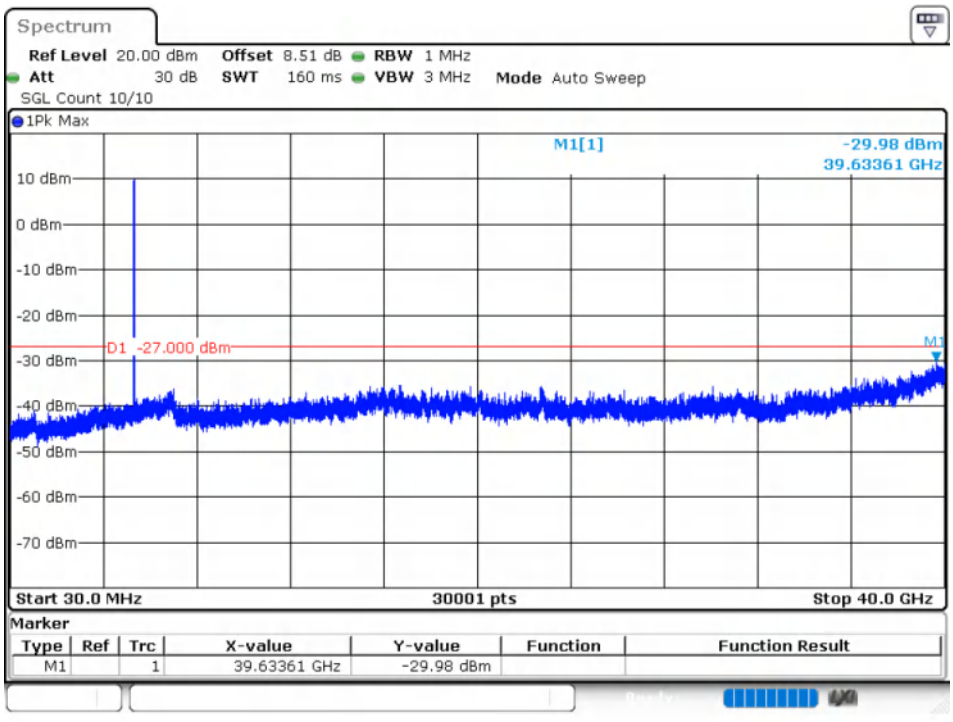
Tx. Spurious NVNT n20 5280MHz Ant2 Emission



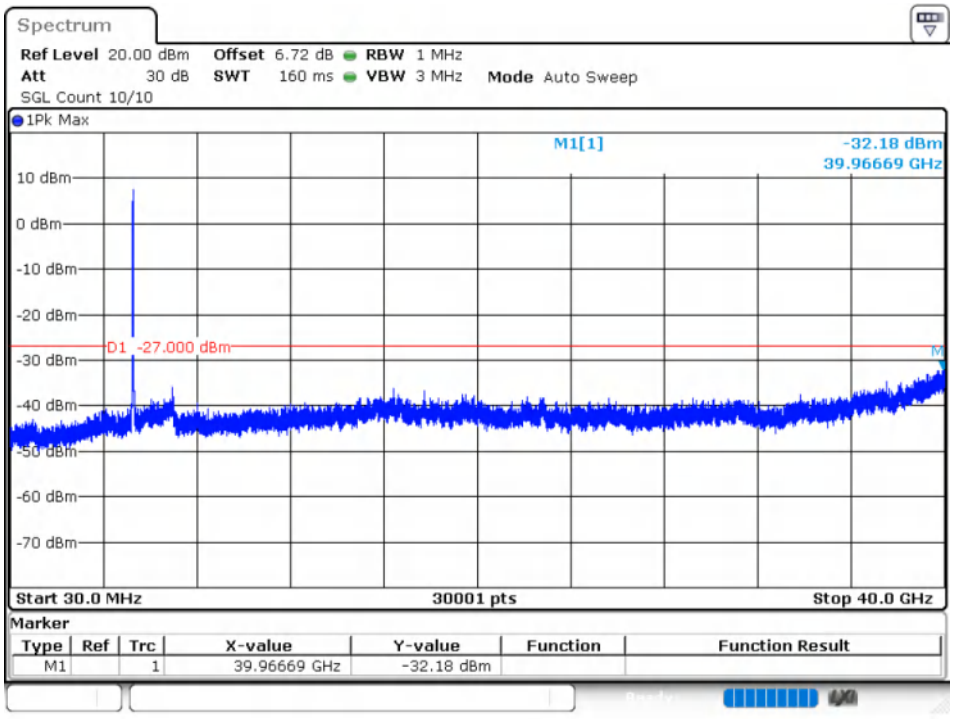
Tx. Spurious NVNT n20 5320MHz Ant1 Emission



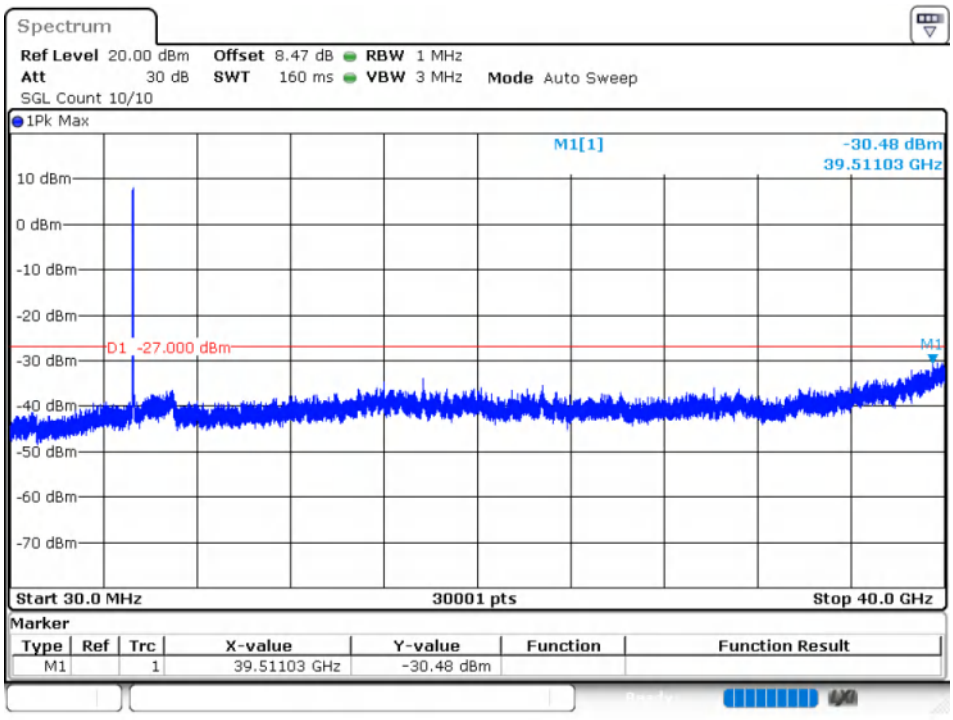
Tx. Spurious NVNT n20 5320MHz Ant2 Emission



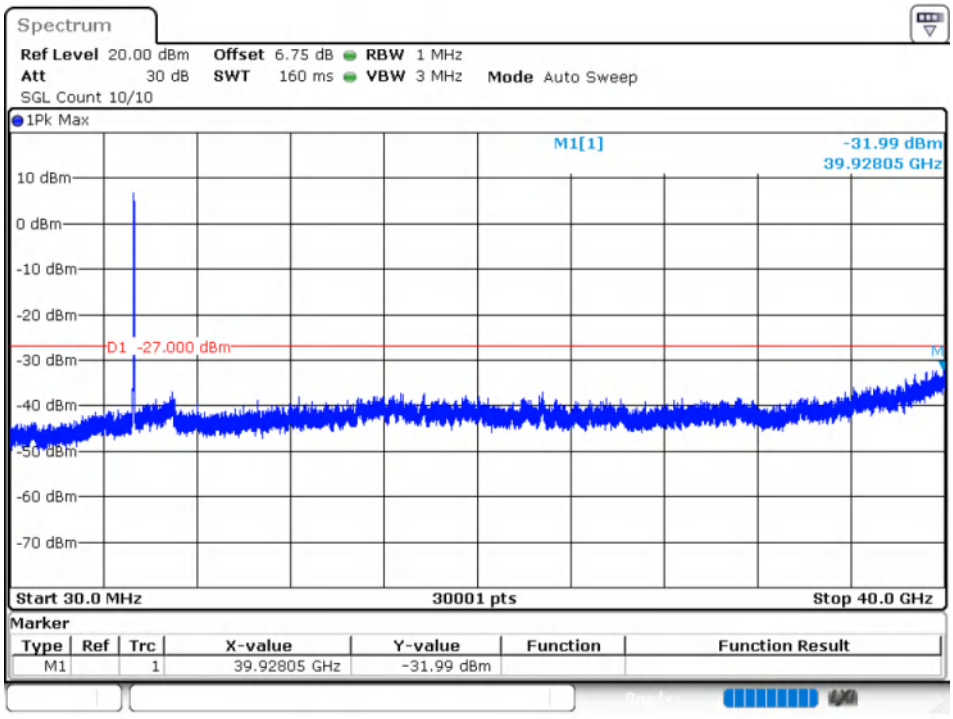
Tx. Spurious NVNT n40 5270MHz Ant1 Emission



Tx. Spurious NVNT n40 5270MHz Ant2 Emission



Tx. Spurious NVNT n40 5310MHz Ant1 Emission



Tx. Spurious NVNT n40 5310MHz Ant2 Emission