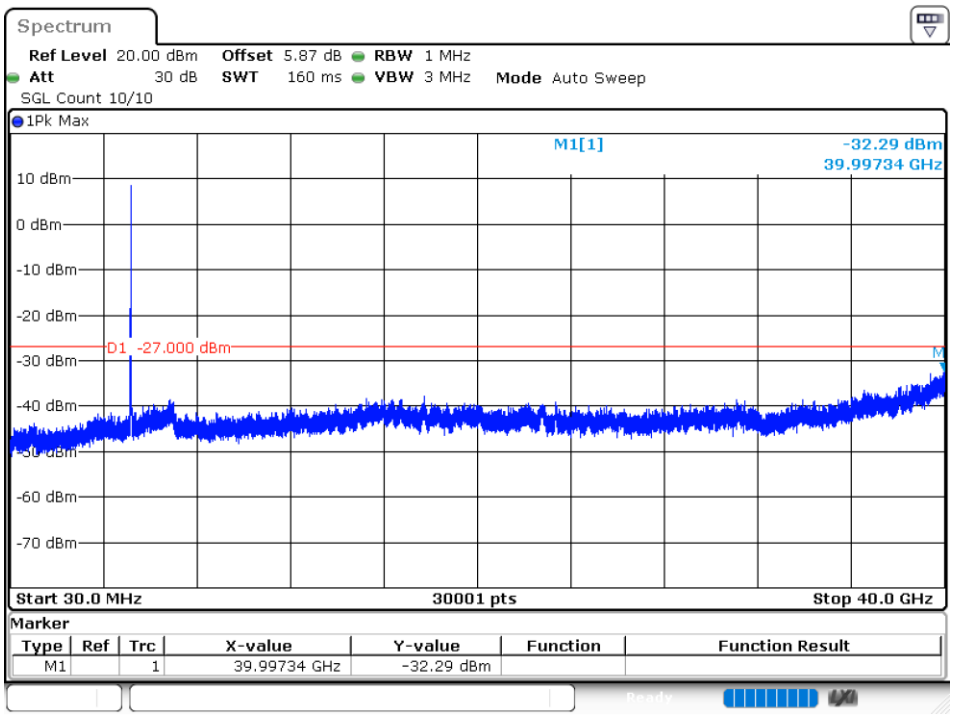
Conducted RF Spurious Emission

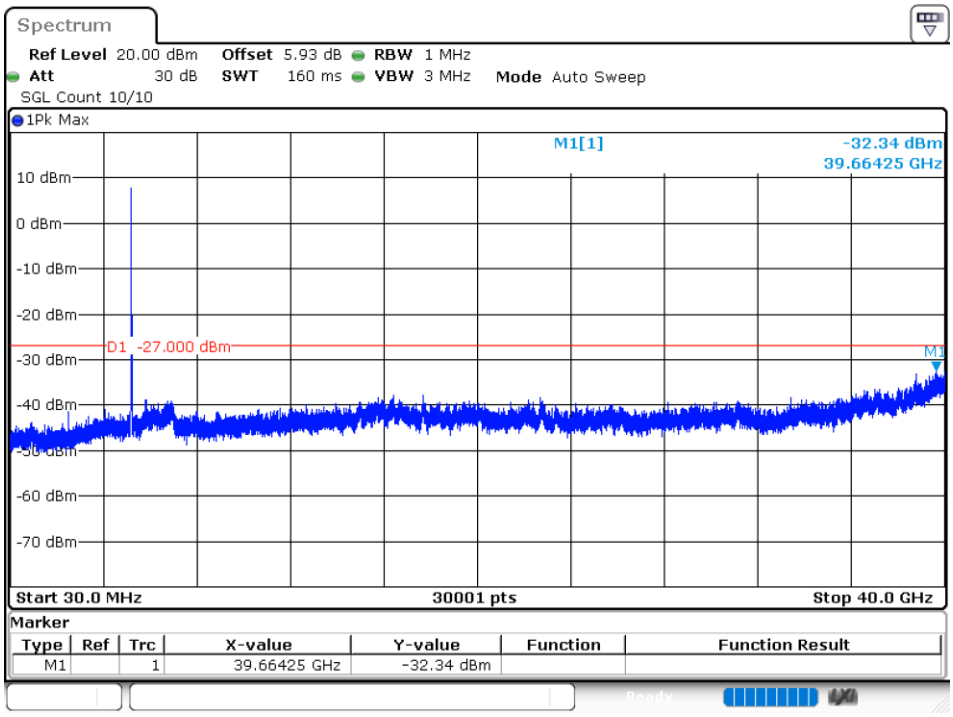
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-32.28	-27	Pass
NVNT	a	5200	Ant1	-32.33	-27	Pass
NVNT	a	5240	Ant1	-32.42	-27	Pass
NVNT	n20	5180	Ant1	-29.9	-27	Pass
NVNT	n20	5200	Ant1	-31.47	-27	Pass
NVNT	n20	5240	Ant1	-29.77	-27	Pass
NVNT	n40	5190	Ant1	-32.66	-27	Pass
NVNT	n40	5230	Ant1	-31.18	-27	Pass
NVNT	ac20	5180	Ant1	-32.11	-27	Pass
NVNT	ac20	5200	Ant1	-31.76	-27	Pass
NVNT	ac20	5240	Ant1	-32.64	-27	Pass
NVNT	ac40	5190	Ant1	-31.18	-27	Pass
NVNT	ac40	5230	Ant1	-32.05	-27	Pass
NVNT	ac80	5210	Ant1	-32.56	-27	Pass

Test Graphs

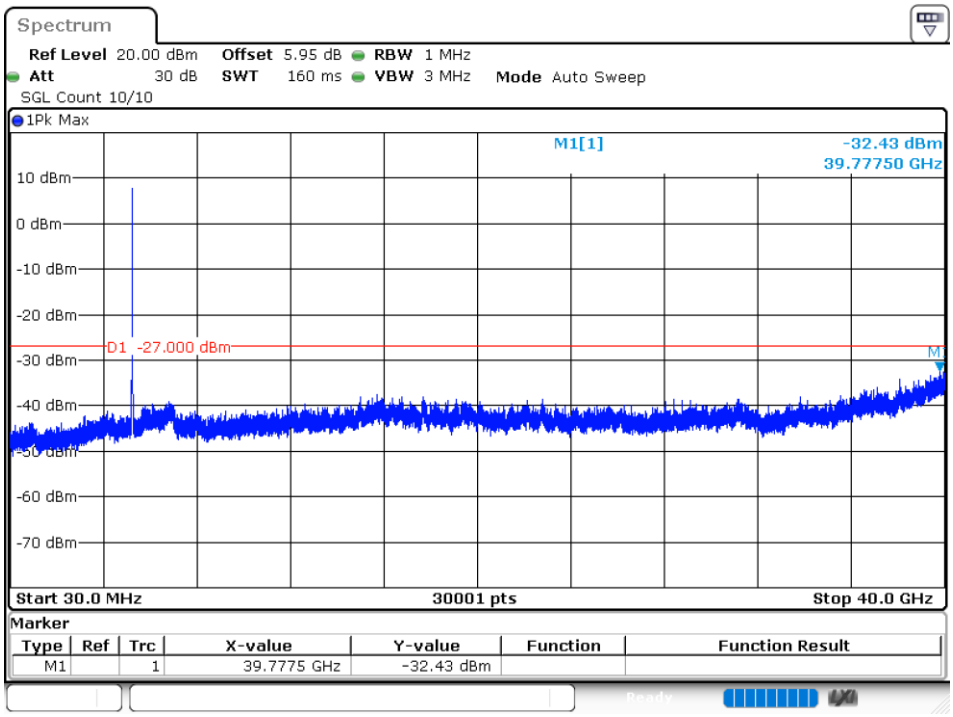
Tx. Spurious NVNT a 5180MHz Ant1 Emission



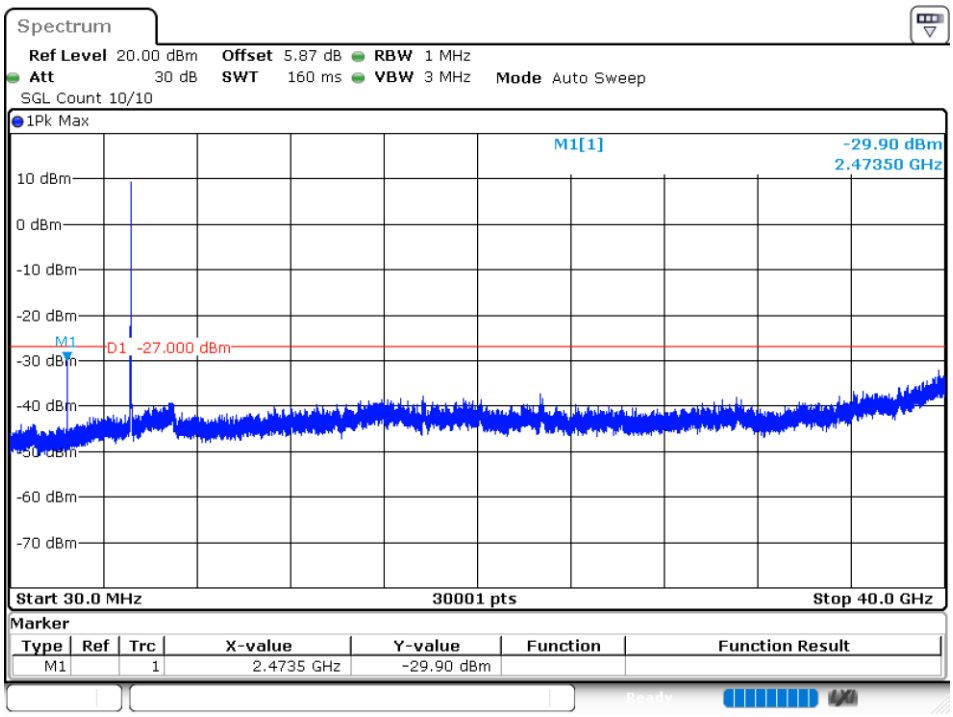
Tx. Spurious NVNT a 5200MHz Ant1 Emission



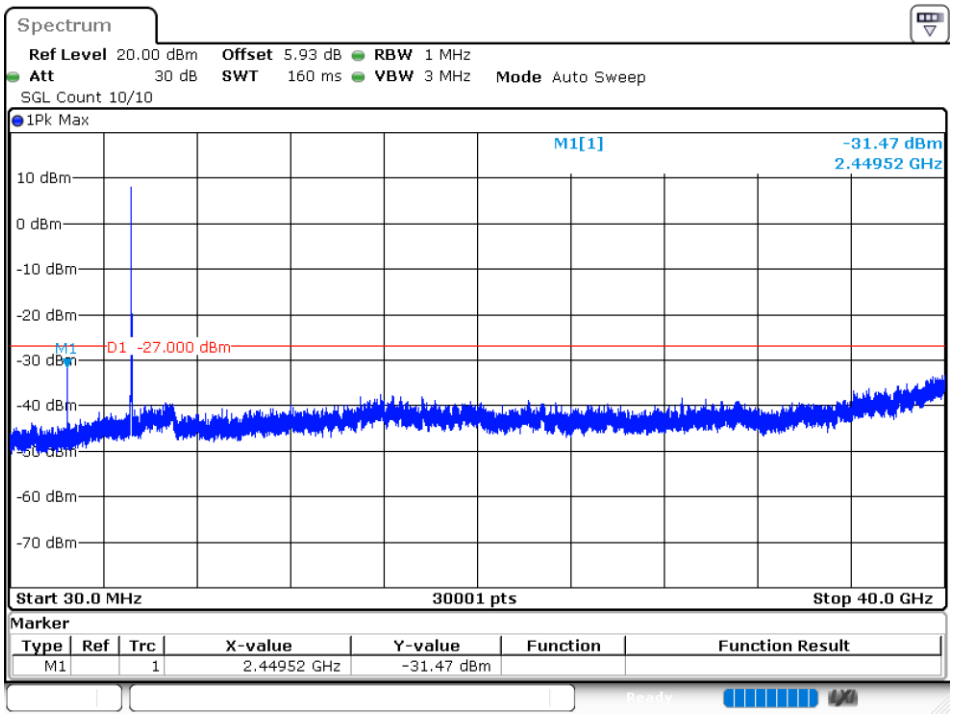
Tx. Spurious NVNT a 5240MHz Ant1 Emission



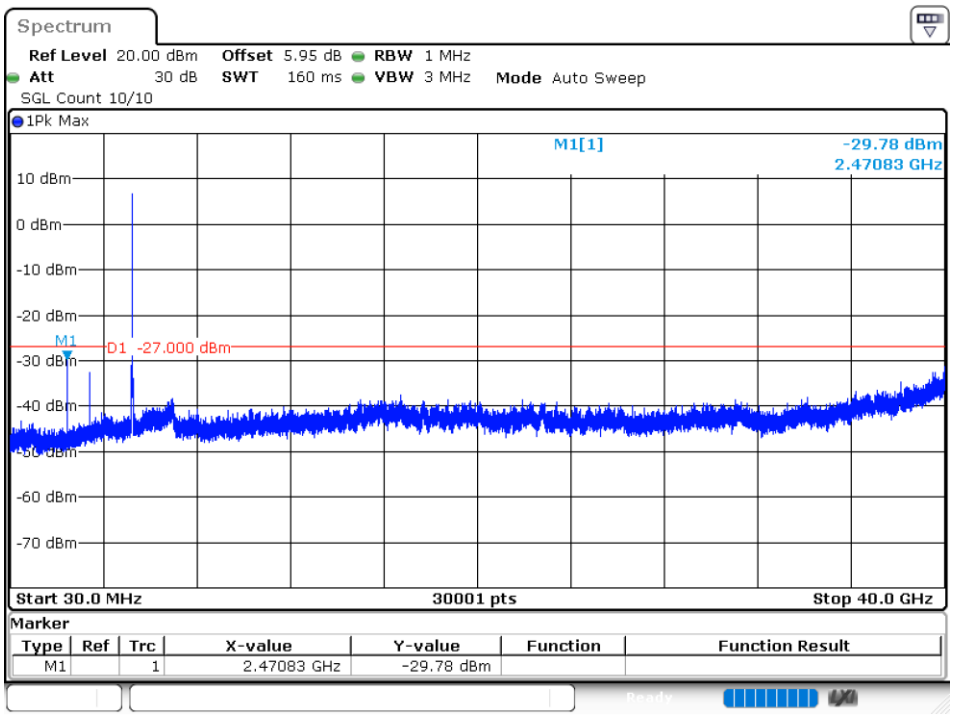
Tx. Spurious NVNT n20 5180MHz Ant1 Emission



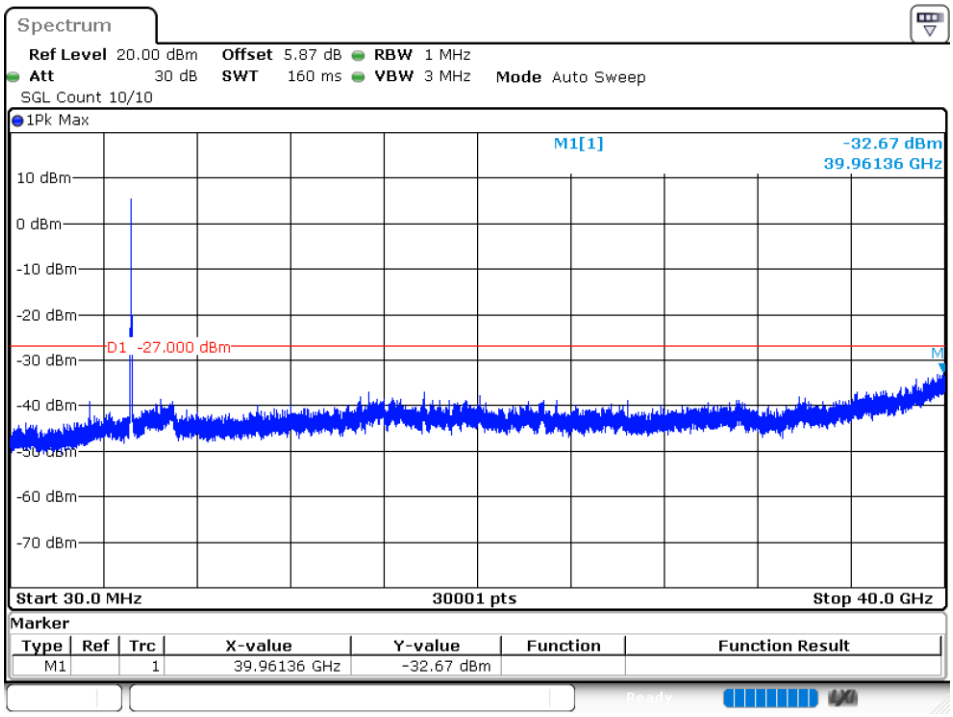
Tx. Spurious NVNT n20 5200MHz Ant1 Emission



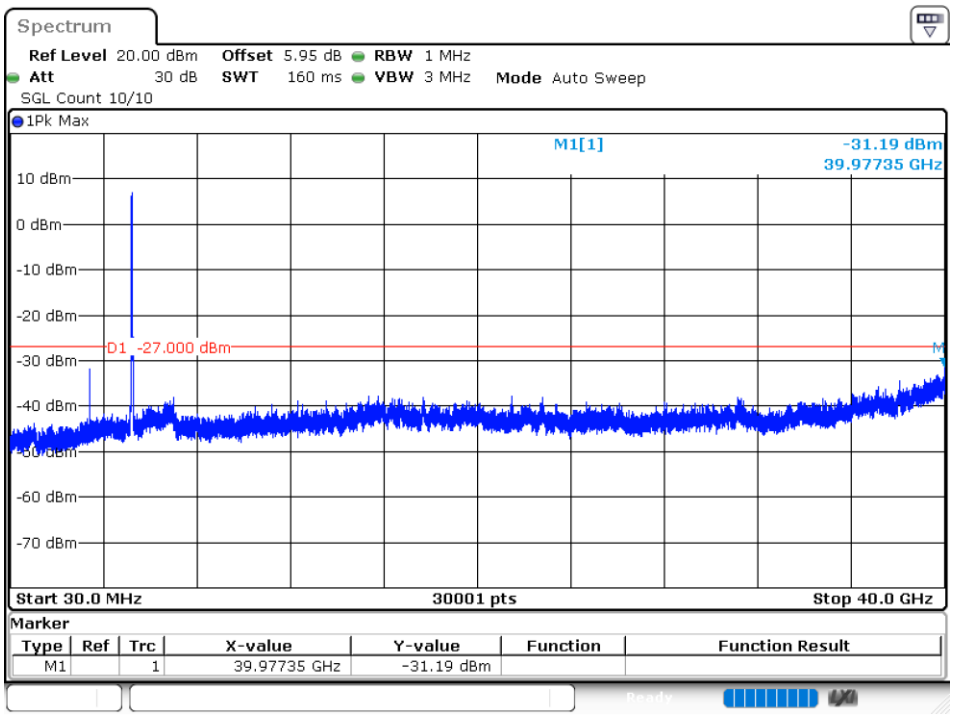
Tx. Spurious NVNT n20 5240MHz Ant1 Emission



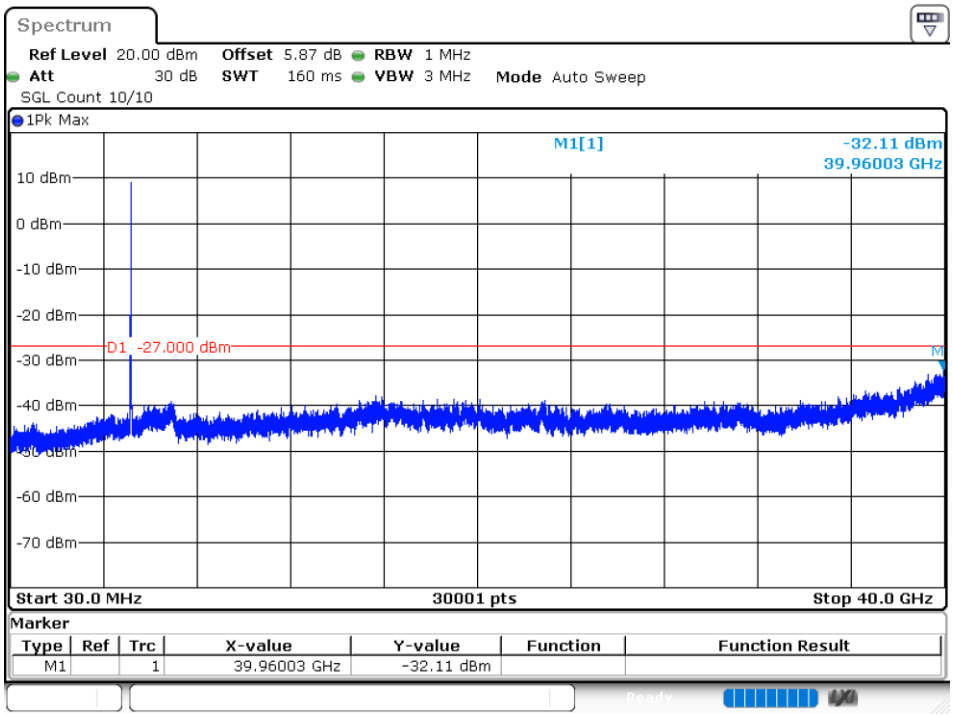
Tx. Spurious NVNT n40 5190MHz Ant1 Emission



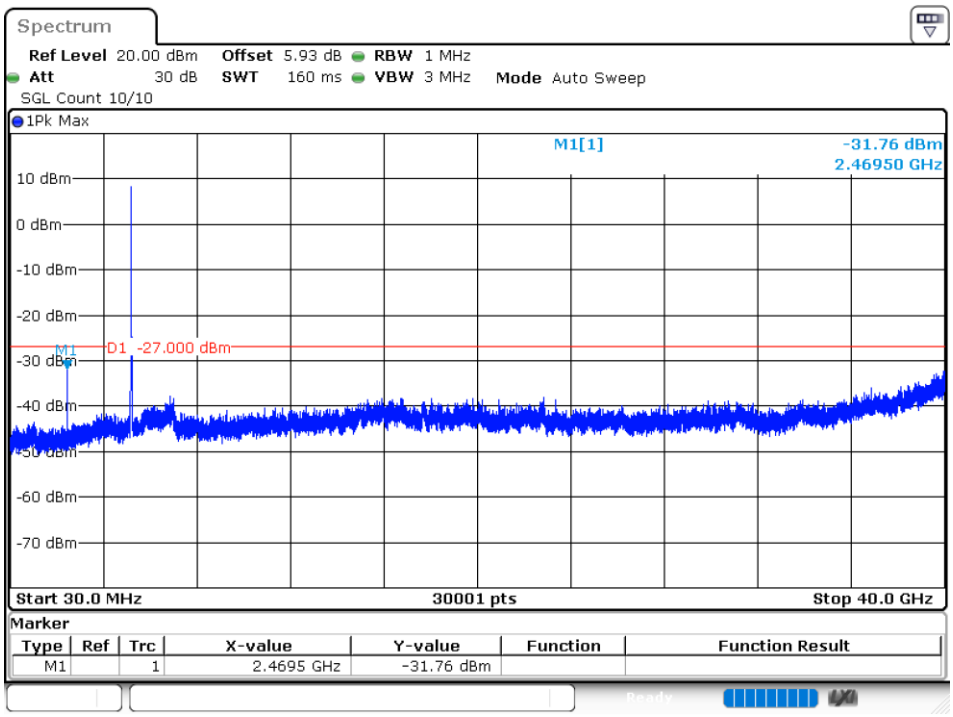
Tx. Spurious NVNT n40 5230MHz Ant1 Emission



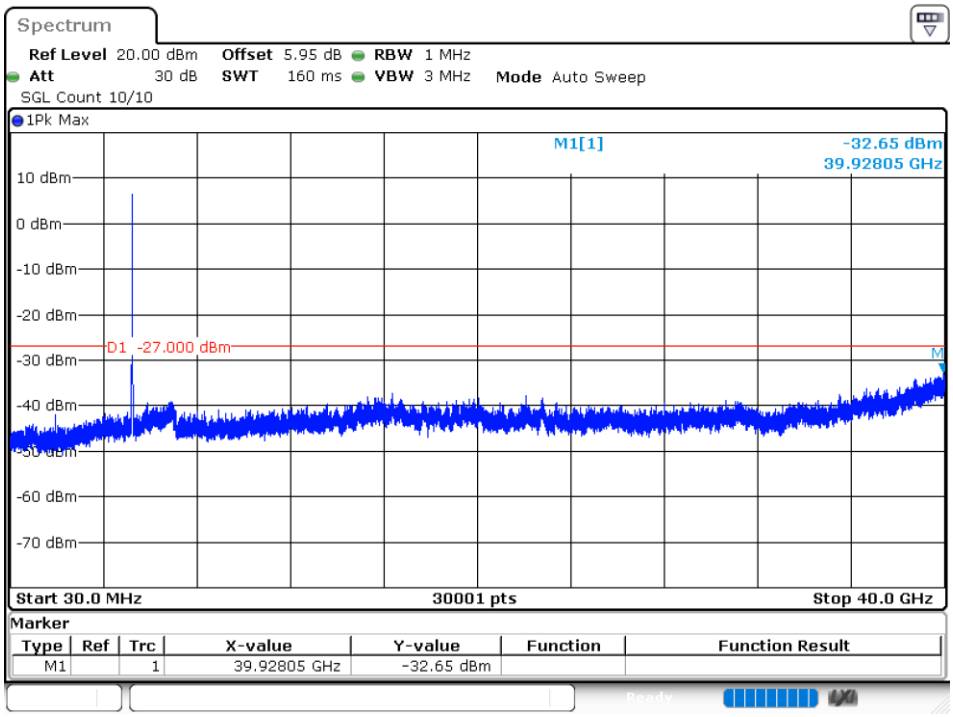
Tx. Spurious NVNT ac20 5180MHz Ant1 Emission



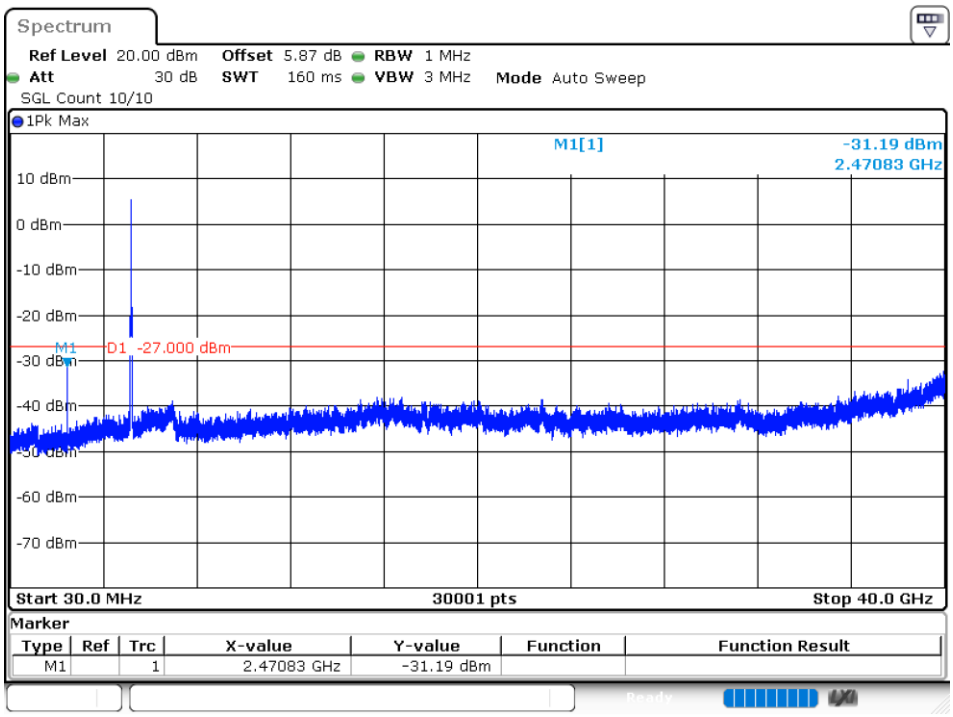
Tx. Spurious NVNT ac20 5200MHz Ant1 Emission



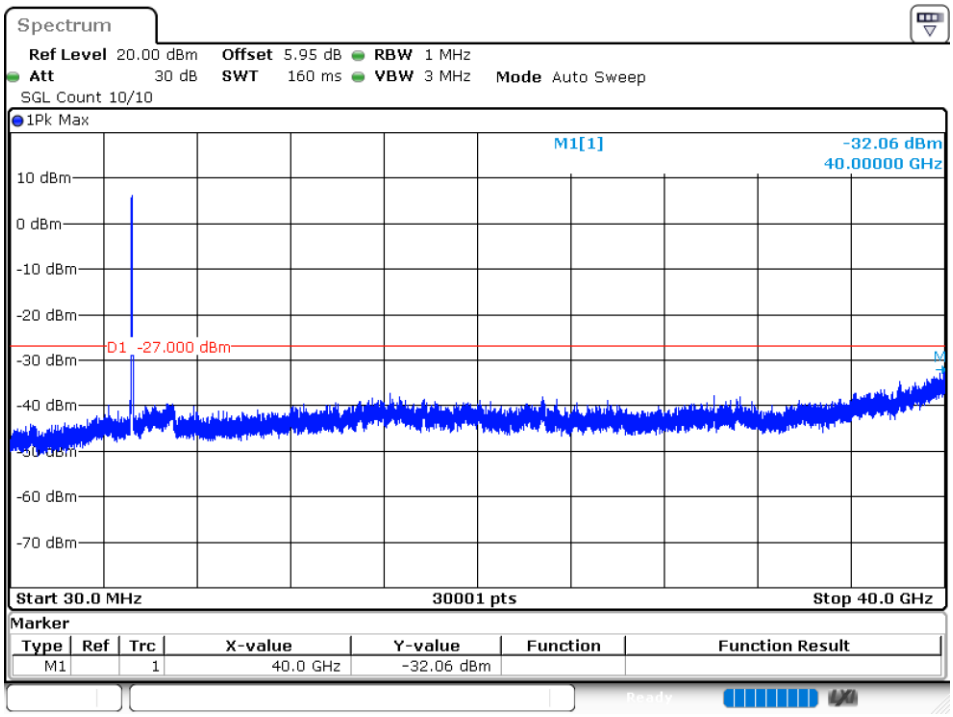
Tx. Spurious NVNT ac20 5240MHz Ant1 Emission



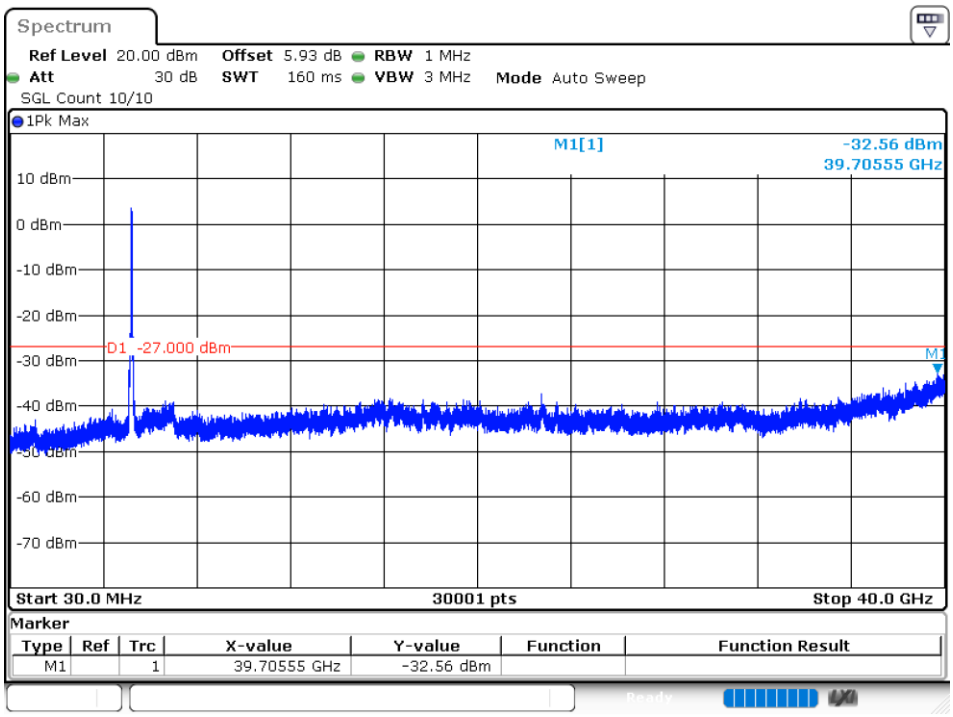
Tx. Spurious NVNT ac40 5190MHz Ant1 Emission



Tx. Spurious NVNT ac40 5230MHz Ant1 Emission



Tx. Spurious NVNT ac80 5210MHz Ant1 Emission



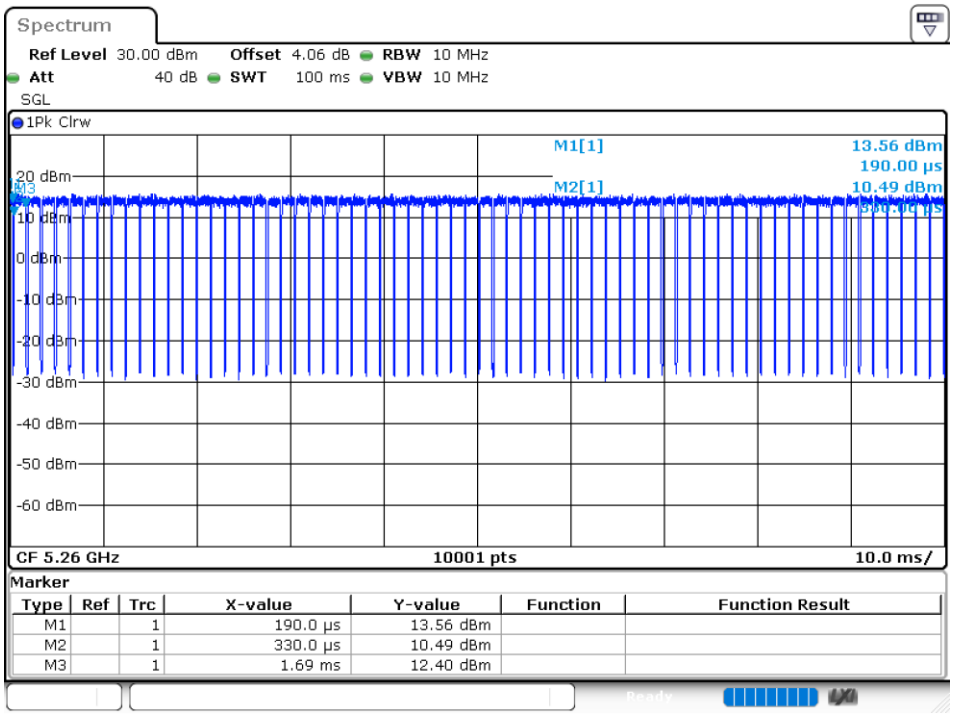
5.3G WIFI

Duty Cycle

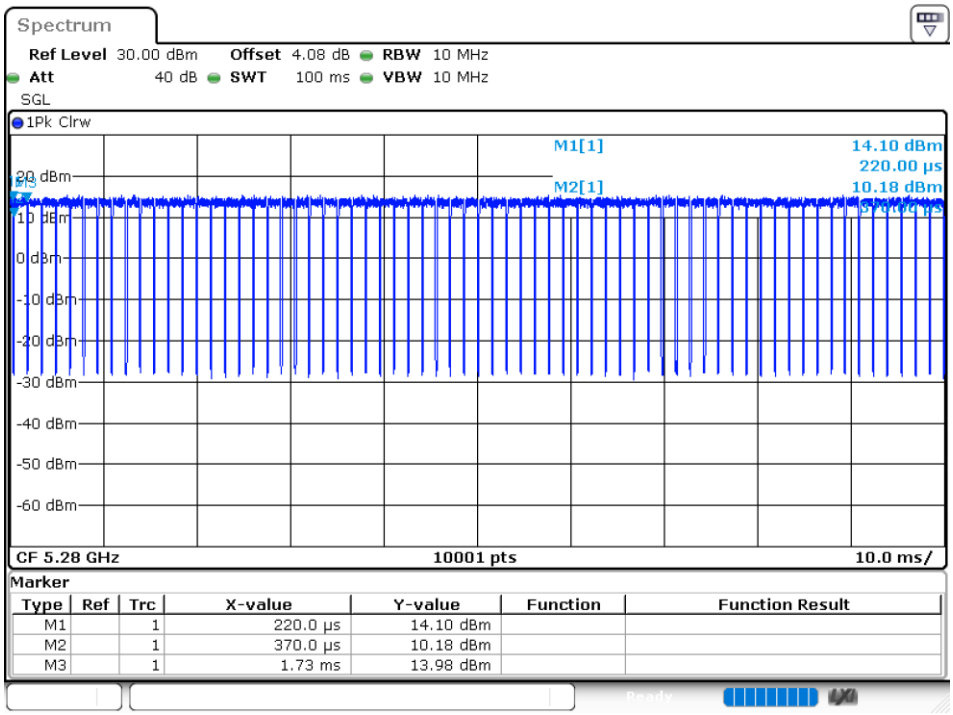
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5260	Ant1	90.64	0.43	0.74
NVNT	a	5280	Ant1	90.65	0.43	0.74
NVNT	a	5320	Ant1	90.72	0.42	0.74
NVNT	n20	5260	Ant1	89.28	0.49	0.87
NVNT	n20	5280	Ant1	89.31	0.49	0.87
NVNT	n20	5320	Ant1	89.17	0.5	0.87
NVNT	n40	5270	Ant1	80.96	0.92	1.75
NVNT	n40	5310	Ant1	80.96	0.92	1.75
NVNT	ac20	5260	Ant1	89.57	0.48	0.86
NVNT	ac20	5280	Ant1	89.51	0.48	0.87
NVNT	ac20	5320	Ant1	89.53	0.48	0.86
NVNT	ac40	5270	Ant1	81.03	0.91	1.72
NVNT	ac40	5310	Ant1	80.99	0.92	1.72
NVNT	ac80	5290	Ant1	68.77	1.63	3.57

Test Graphs

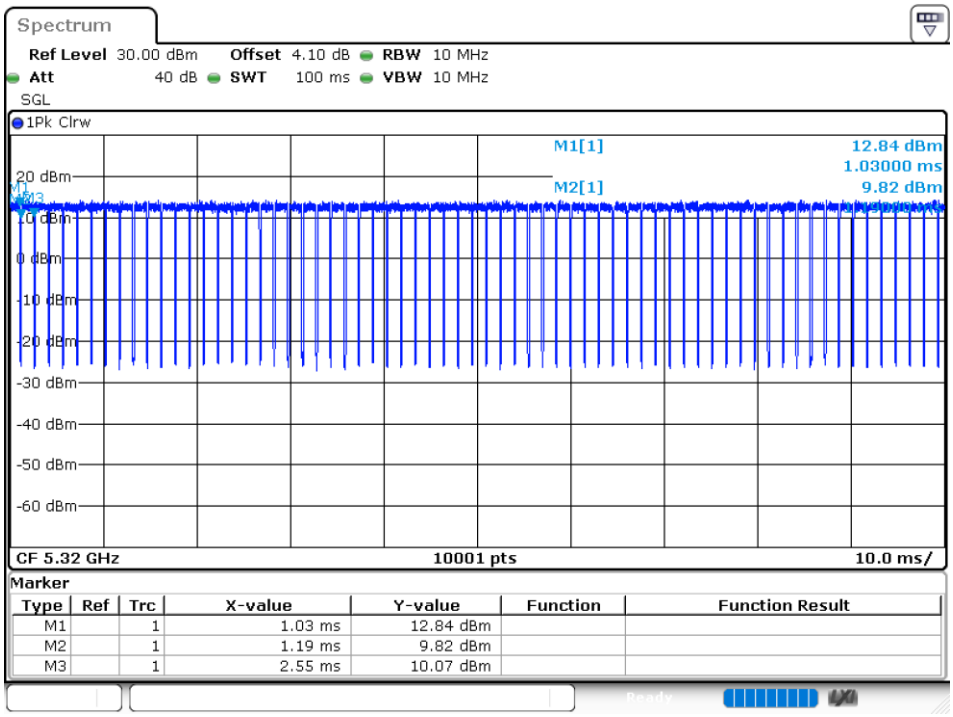
Duty Cycle NVNT a 5260MHz Ant1



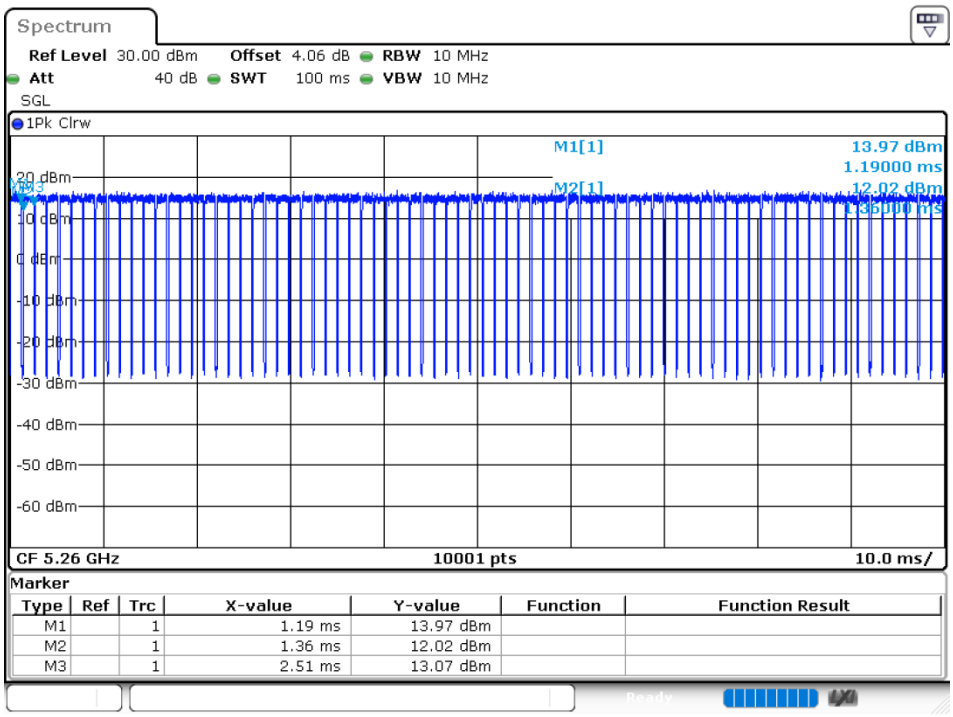
Duty Cycle NVNT a 5280MHz Ant1



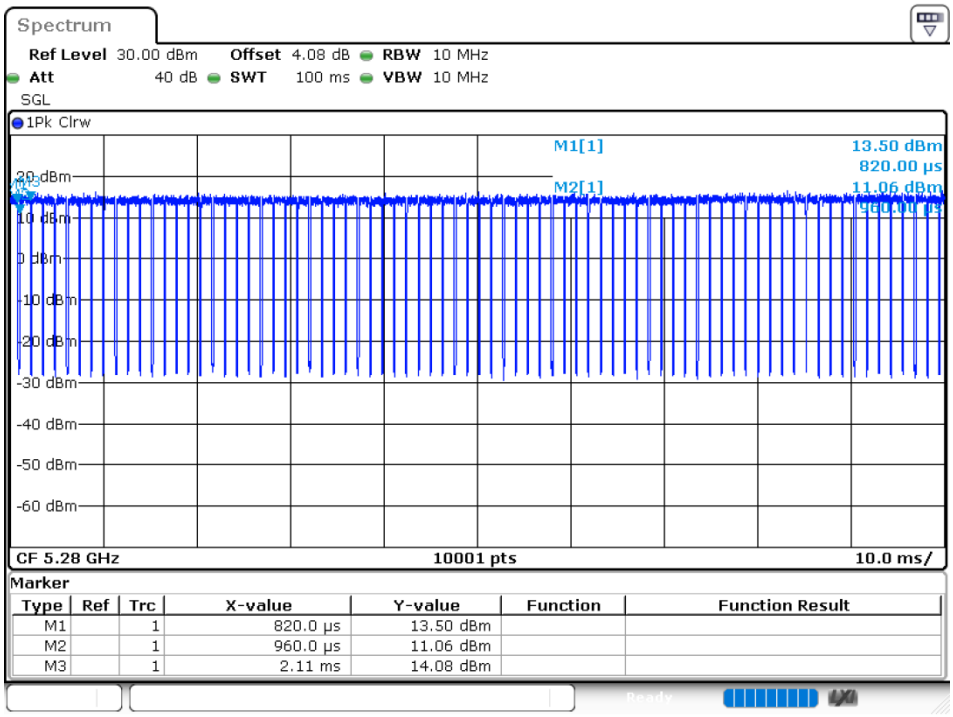
Duty Cycle NVNT a 5320MHz Ant1



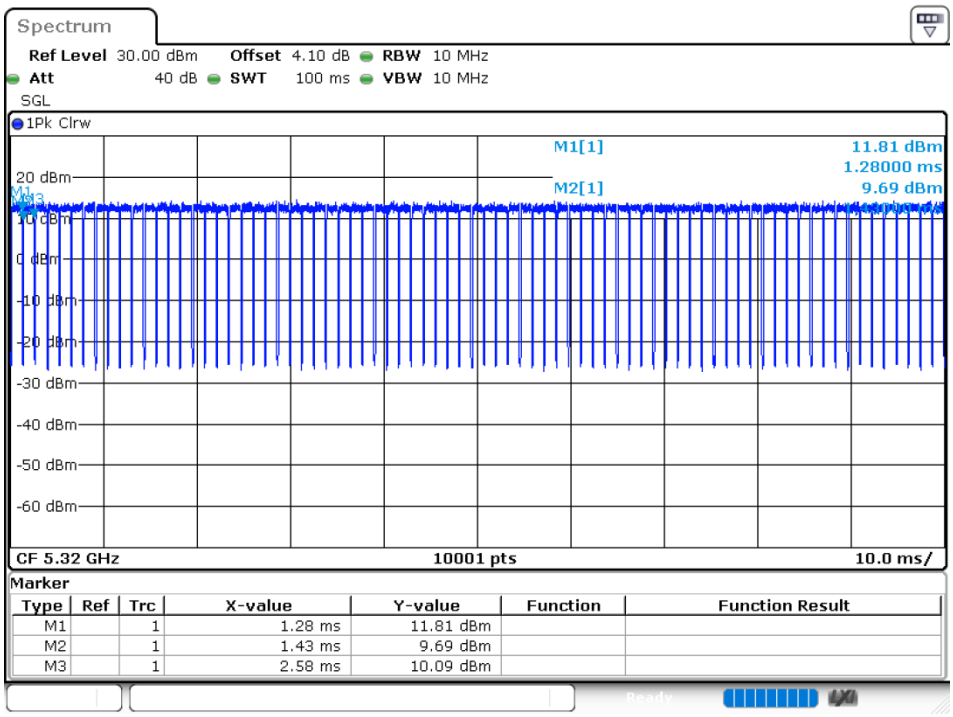
Duty Cycle NVNT n20 5260MHz Ant1



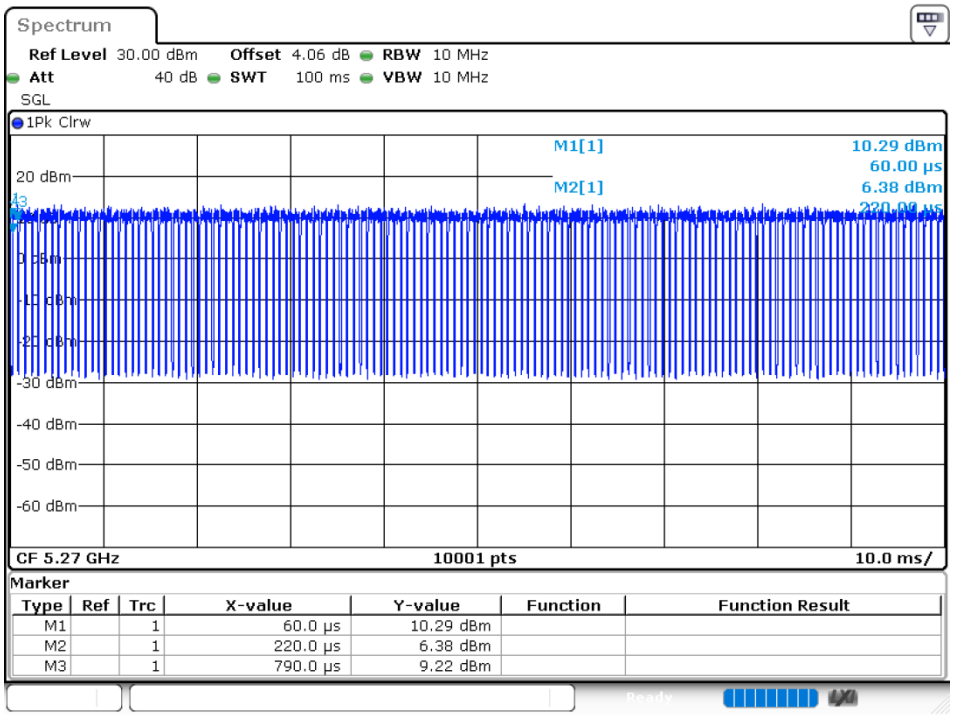
Duty Cycle NVNT n20 5280MHz Ant1



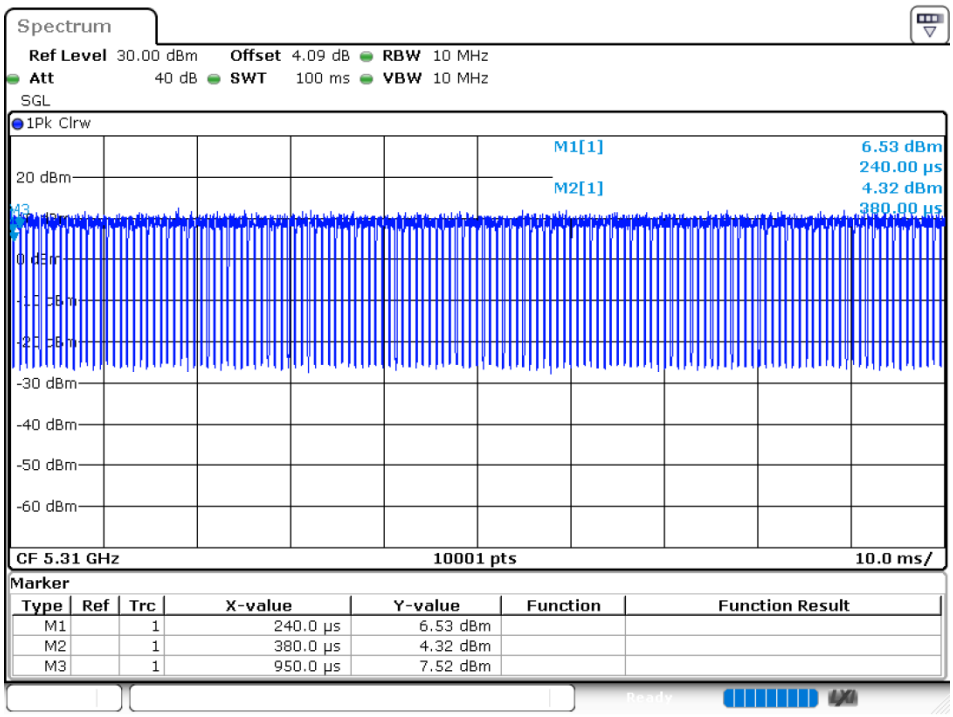
Duty Cycle NVNT n20 5320MHz Ant1



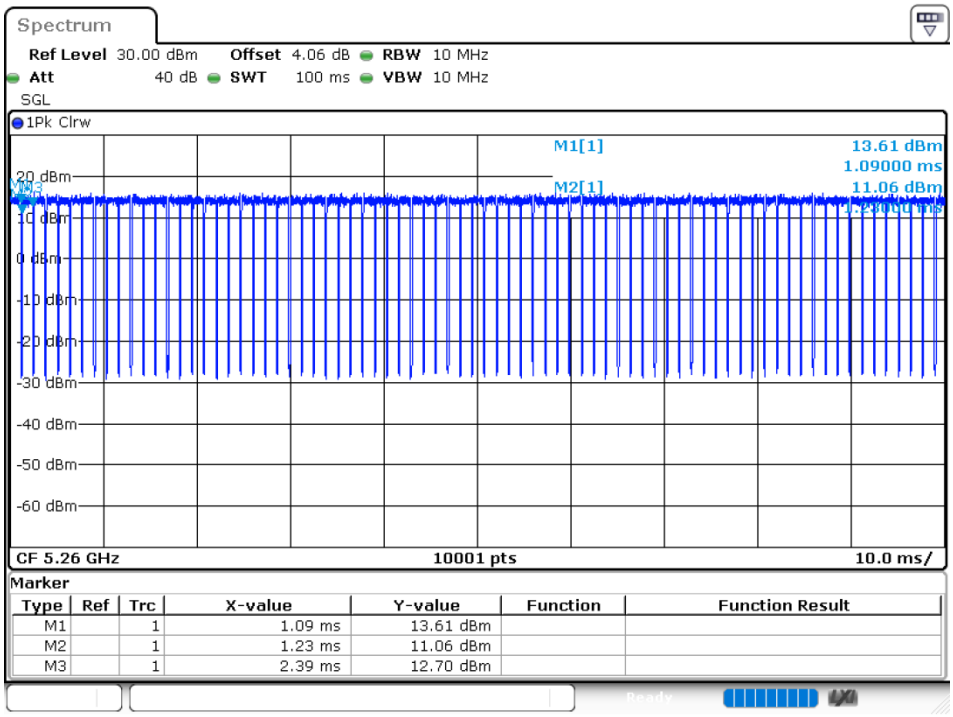
Duty Cycle NVNT n40 5270MHz Ant1



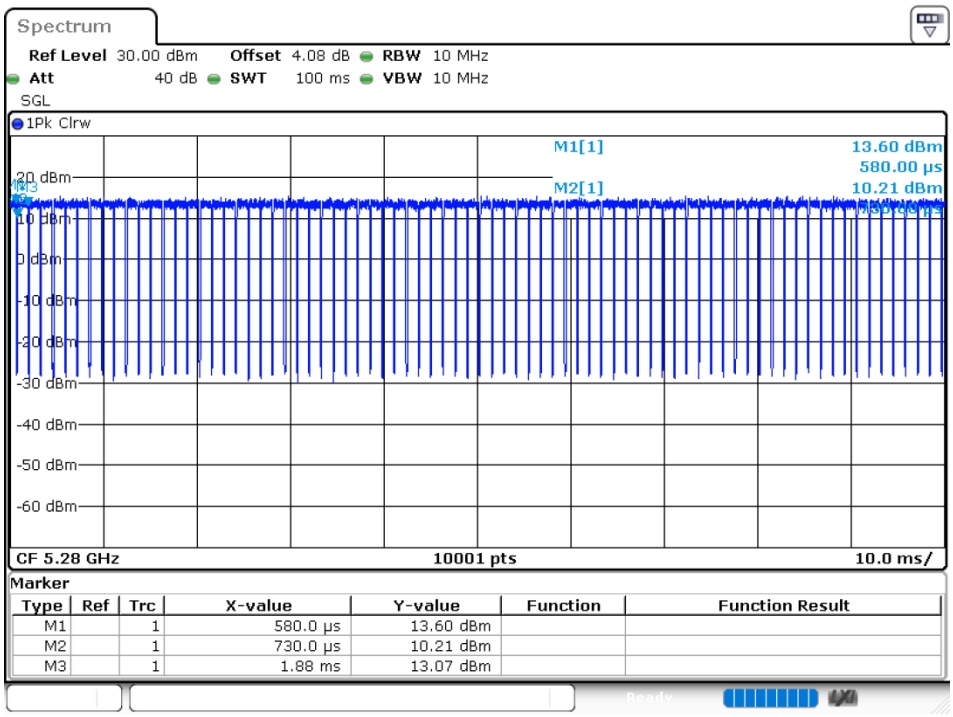
Duty Cycle NVNT n40 5310MHz Ant1



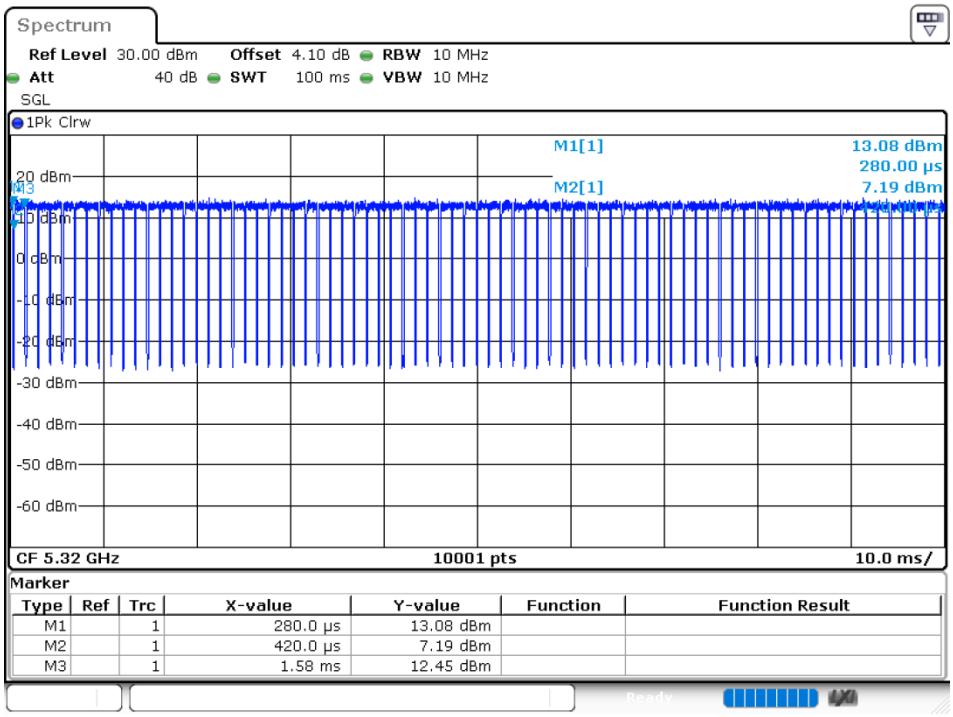
Duty Cycle NVNT ac20 5260MHz Ant1



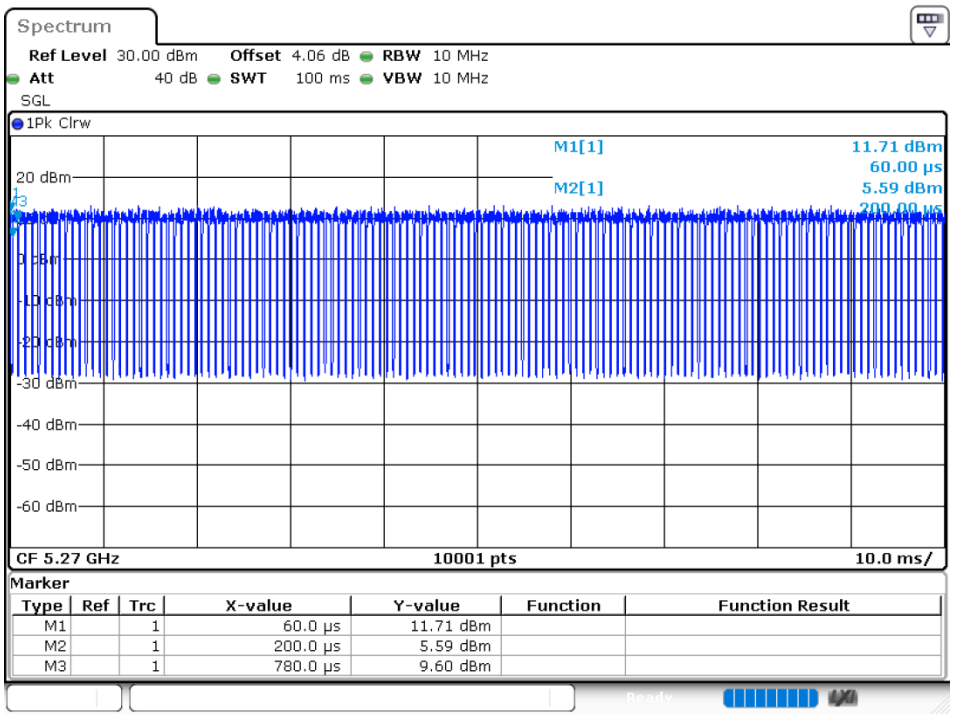
Duty Cycle NVNT ac20 5280MHz Ant1



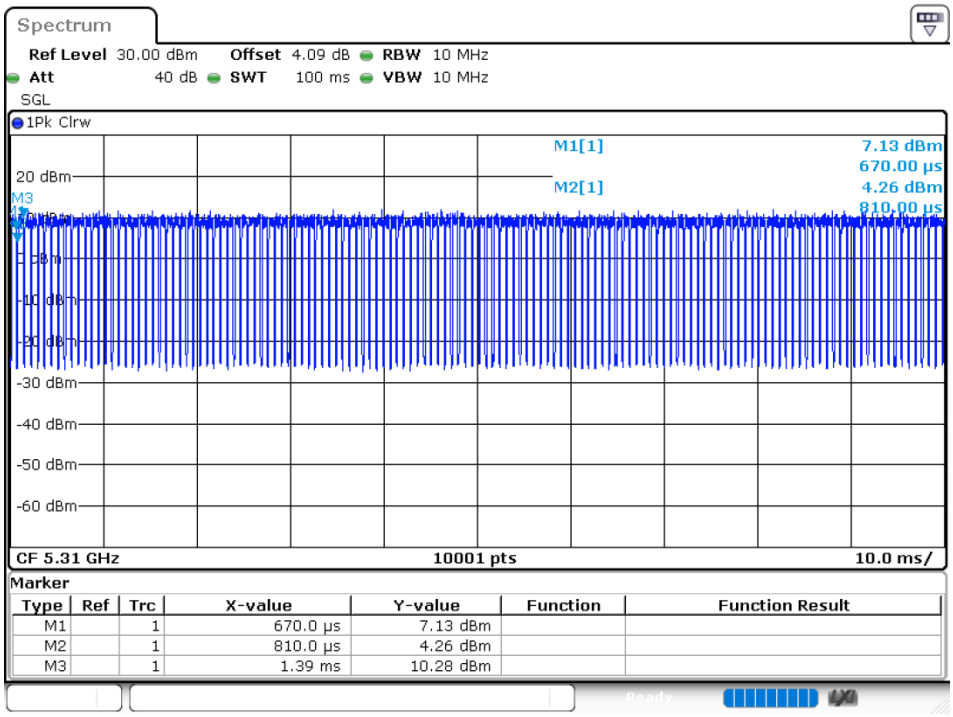
Duty Cycle NVNT ac20 5320MHz Ant1



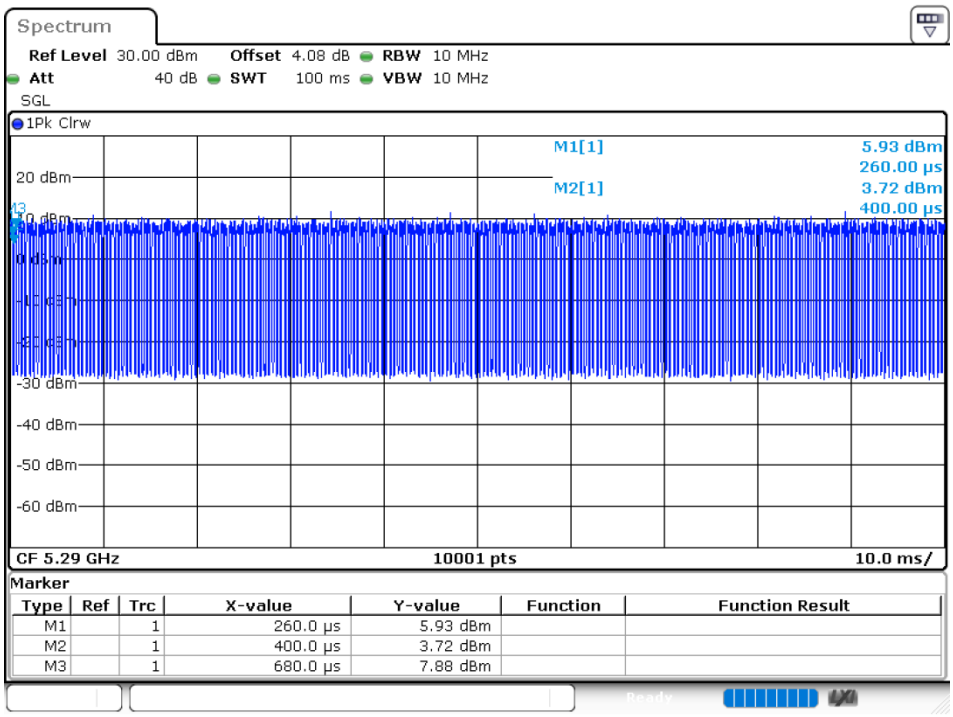
Duty Cycle NVNT ac40 5270MHz Ant1



Duty Cycle NVNT ac40 5310MHz Ant1



Duty Cycle NVNT ac80 5290MHz Ant1



Maximum Conducted Output Power

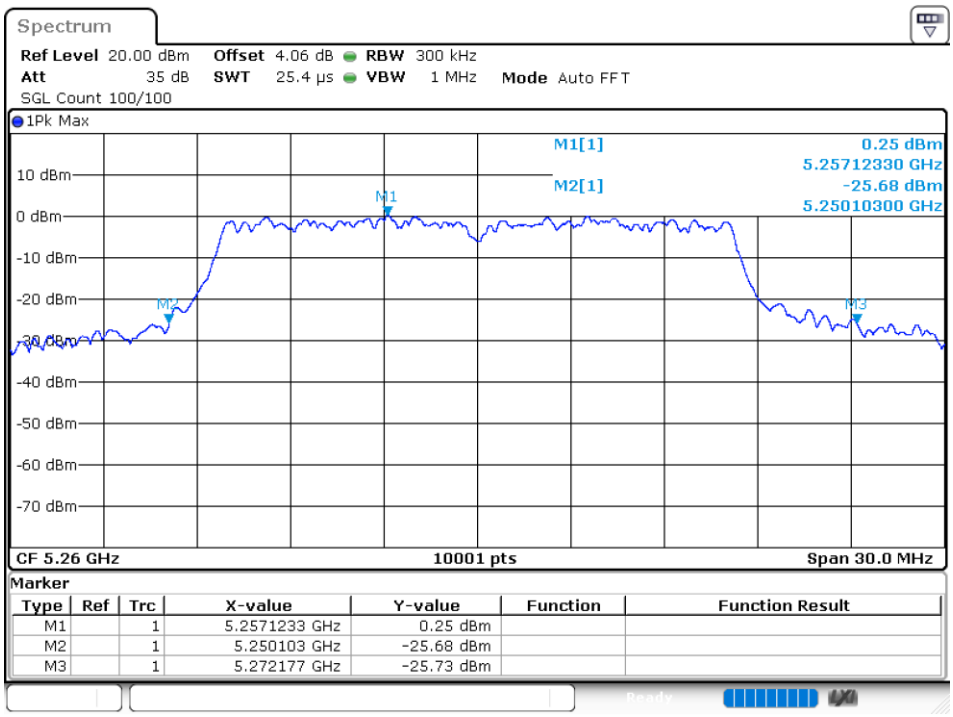
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	11.22	24	Pass
NVNT	a	5280	Ant1	10.63	24	Pass
NVNT	a	5320	Ant1	10.47	24	Pass
NVNT	n20	5260	Ant1	12.57	24	Pass
NVNT	n20	5280	Ant1	11.83	24	Pass
NVNT	n20	5320	Ant1	10.88	24	Pass
NVNT	n40	5270	Ant1	10.3	24	Pass
NVNT	n40	5310	Ant1	9.48	24	Pass
NVNT	ac20	5260	Ant1	11.61	24	Pass
NVNT	ac20	5280	Ant1	11.24	24	Pass
NVNT	ac20	5320	Ant1	10.98	24	Pass
NVNT	ac40	5270	Ant1	10.25	24	Pass
NVNT	ac40	5310	Ant1	9.34	24	Pass
NVNT	ac80	5290	Ant1	9.87	24	Pass

-26dB Bandwidth

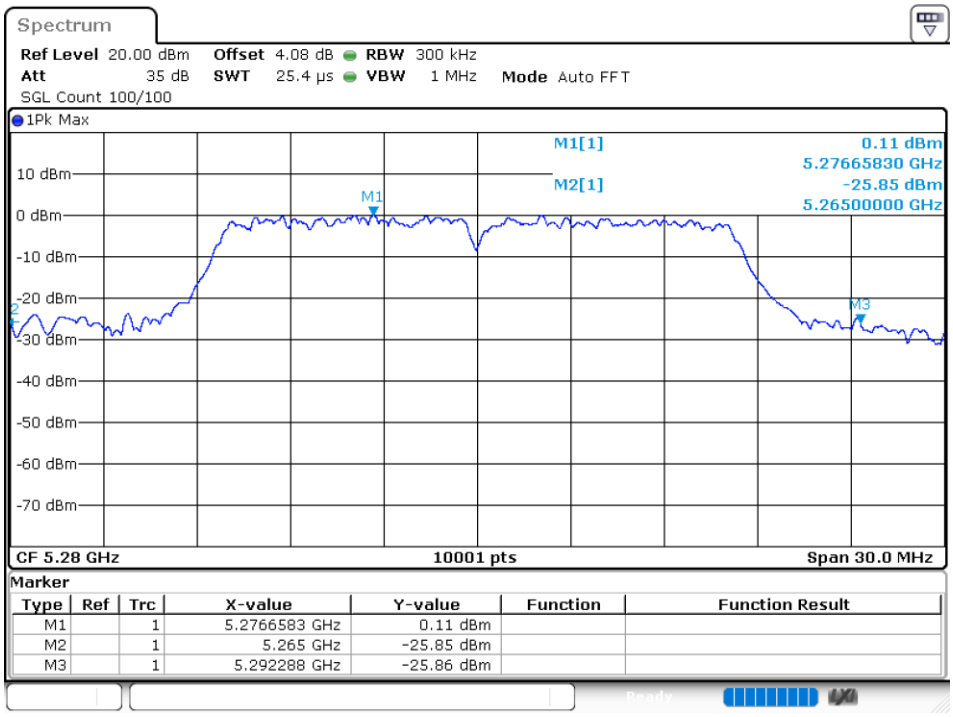
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5260	Ant1	22.074	0.5	Pass
NVNT	a	5280	Ant1	27.288	0.5	Pass
NVNT	a	5320	Ant1	27.957	0.5	Pass
NVNT	n20	5260	Ant1	29.19	0.5	Pass
NVNT	n20	5280	Ant1	28.923	0.5	Pass
NVNT	n20	5320	Ant1	29.271	0.5	Pass
NVNT	n40	5270	Ant1	55.026	0.5	Pass
NVNT	n40	5310	Ant1	55.848	0.5	Pass
NVNT	ac20	5260	Ant1	26.562	0.5	Pass
NVNT	ac20	5280	Ant1	27.279	0.5	Pass
NVNT	ac20	5320	Ant1	28.038	0.5	Pass
NVNT	ac40	5270	Ant1	54.156	0.5	Pass
NVNT	ac40	5310	Ant1	53.88	0.5	Pass
NVNT	ac80	5290	Ant1	104.424	0.5	Pass

Test Graphs

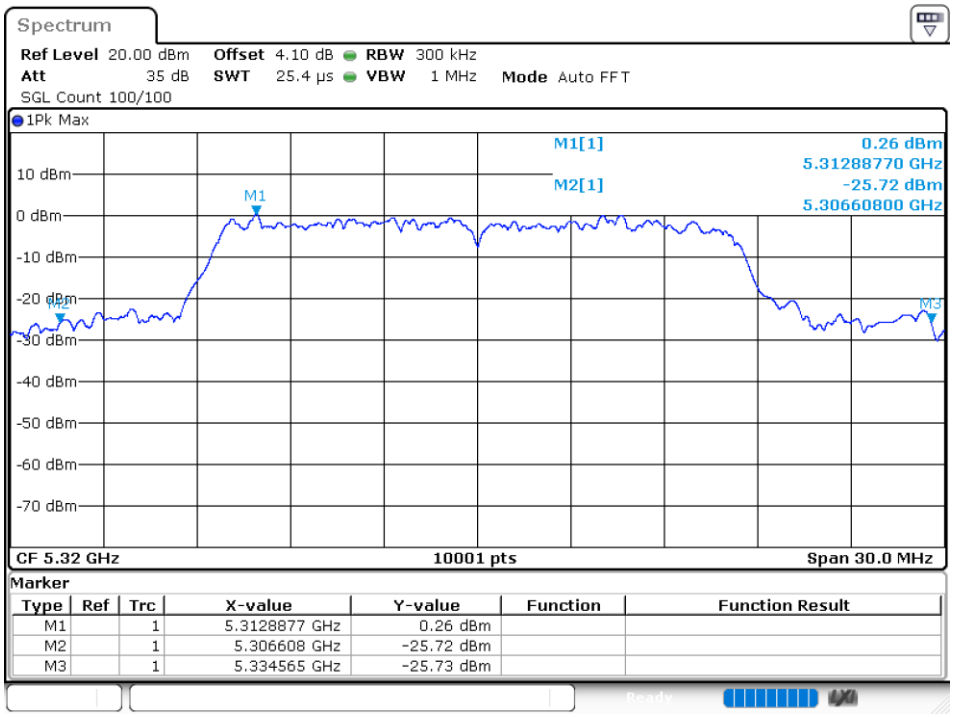
-26dB Bandwidth NVNT a 5260MHz Ant1



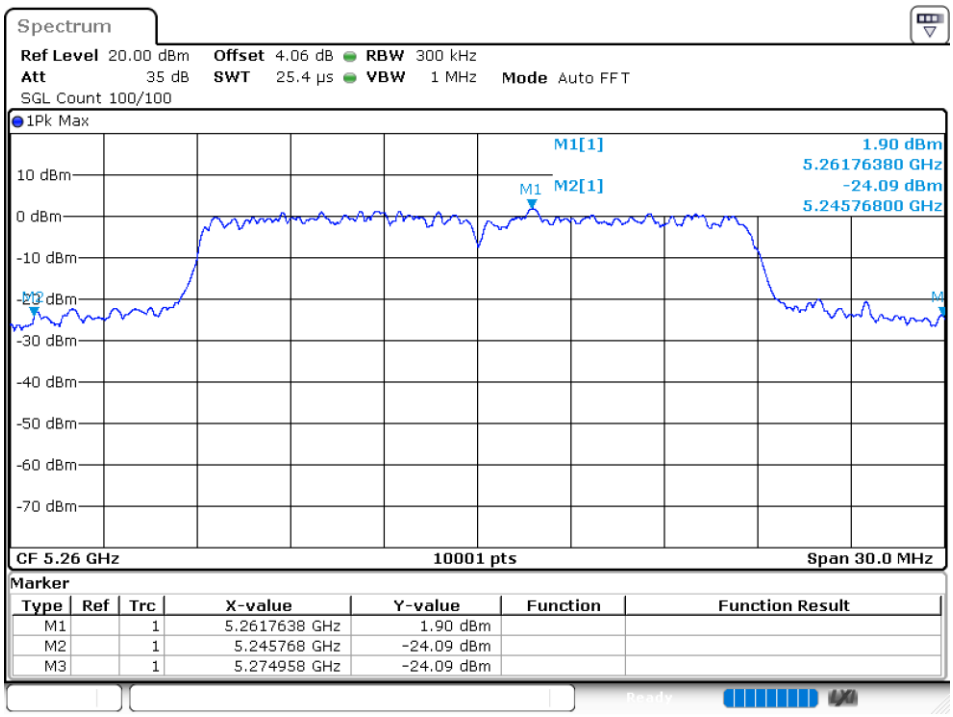
-26dB Bandwidth NVNT a 5280MHz Ant1



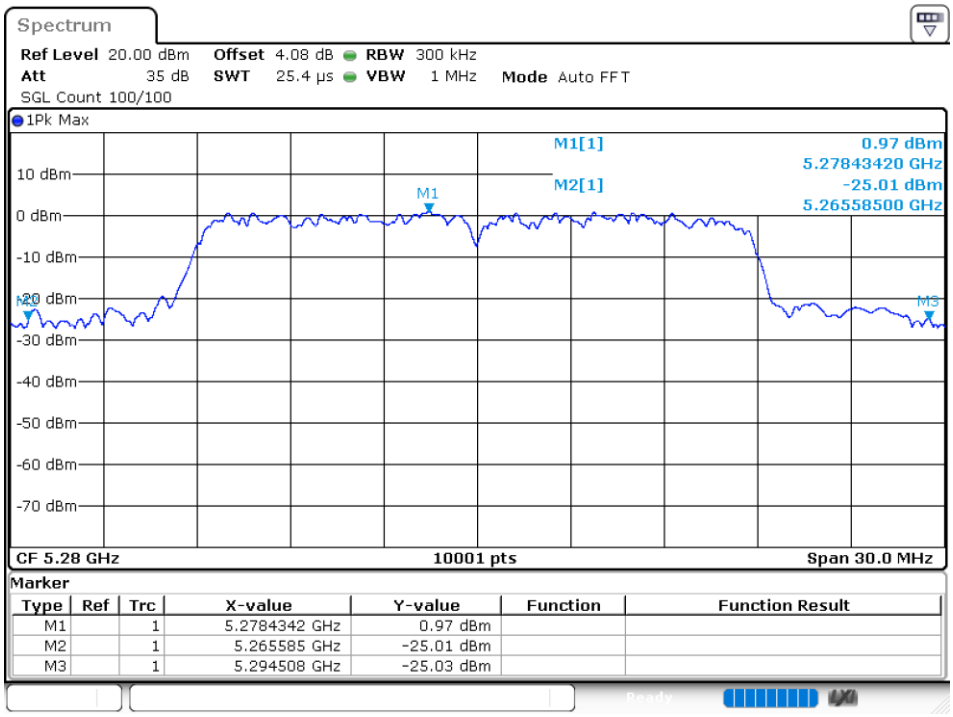
-26dB Bandwidth NVNT a 5320MHz Ant1



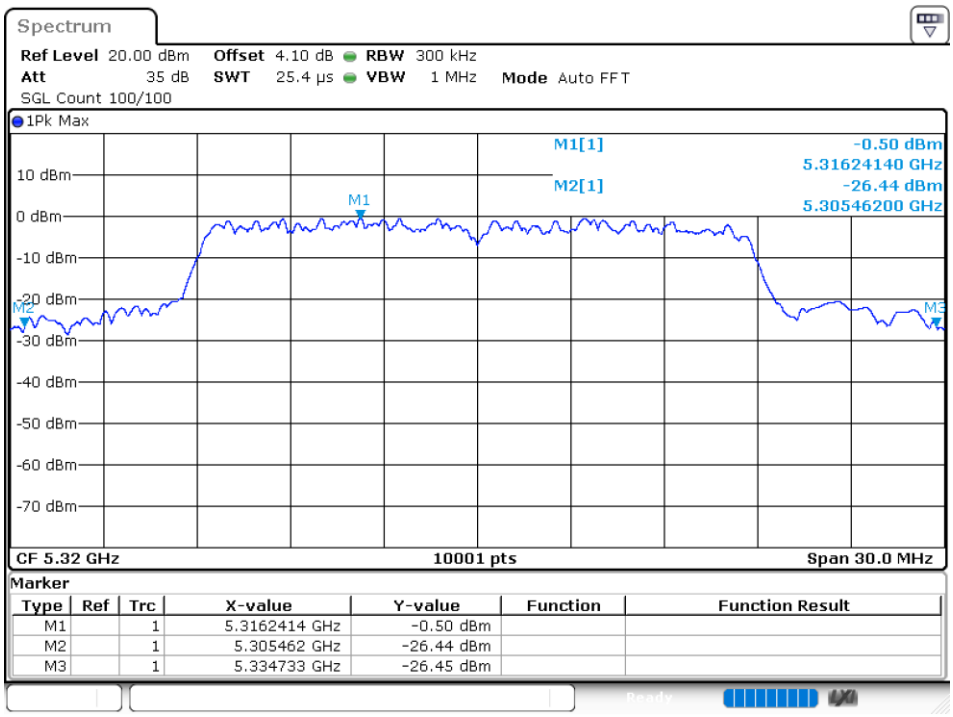
-26dB Bandwidth NVNT n20 5260MHz Ant1



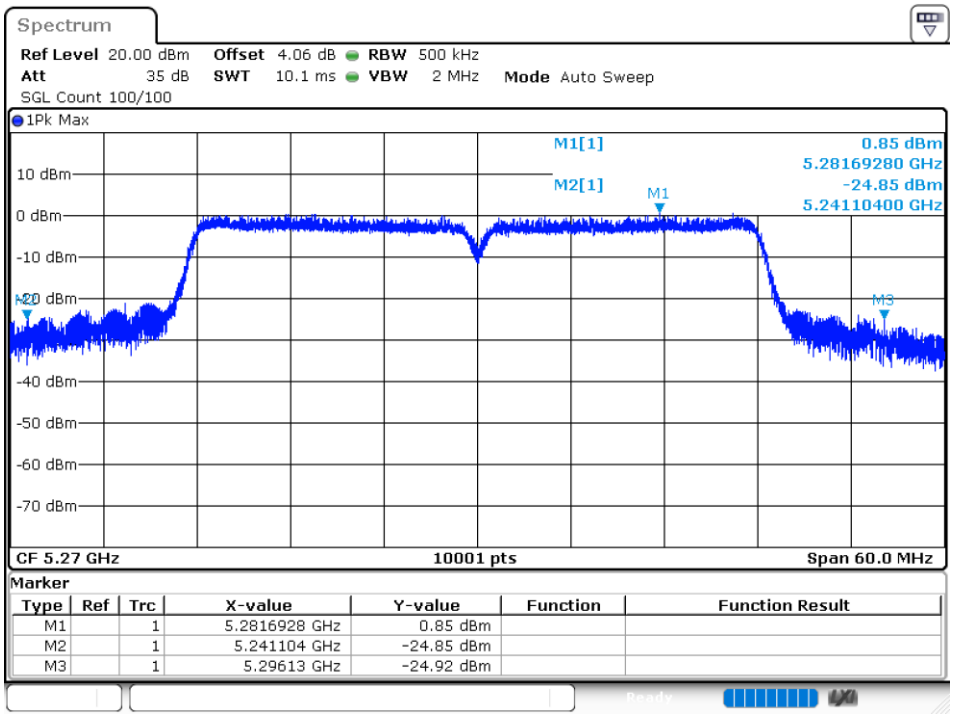
-26dB Bandwidth NVNT n20 5280MHz Ant1



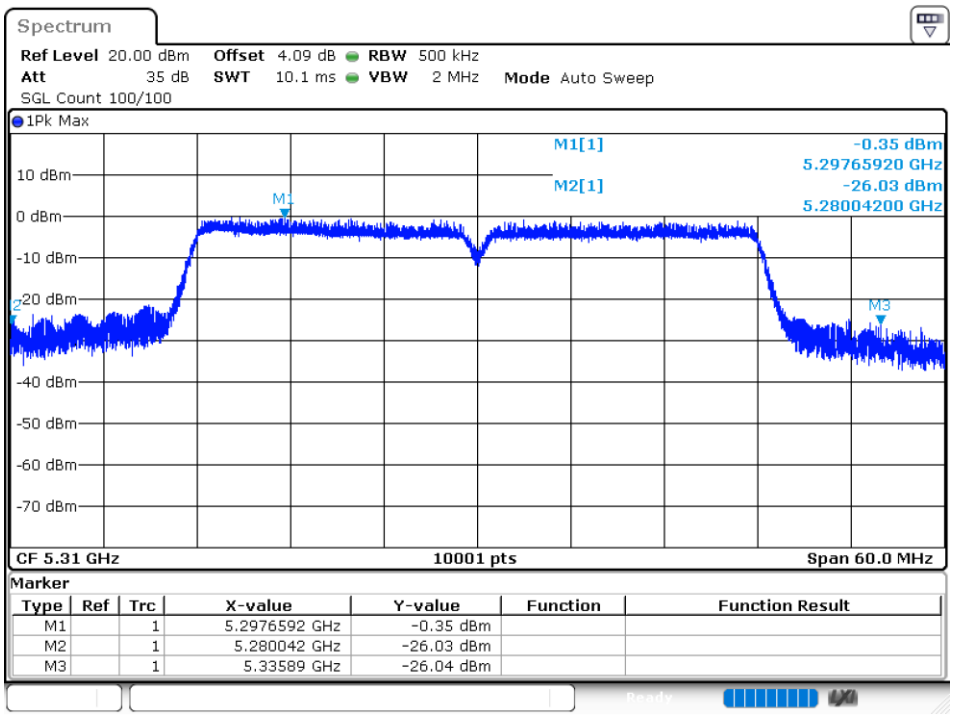
-26dB Bandwidth NVNT n20 5320MHz Ant1



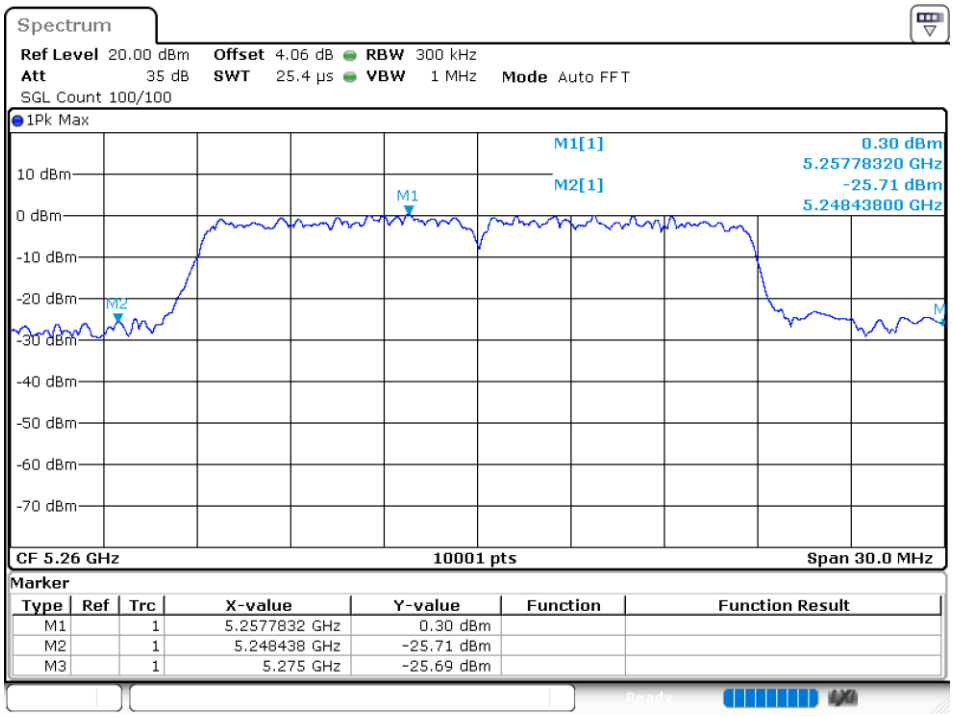
-26dB Bandwidth NVNT n40 5270MHz Ant1



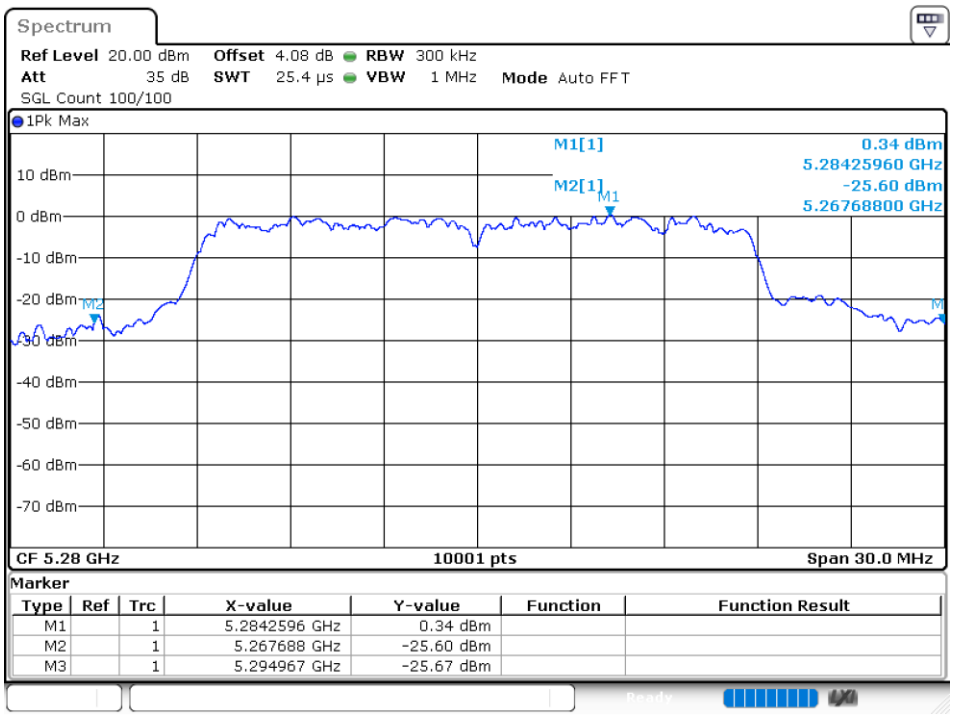
-26dB Bandwidth NVNT n40 5310MHz Ant1



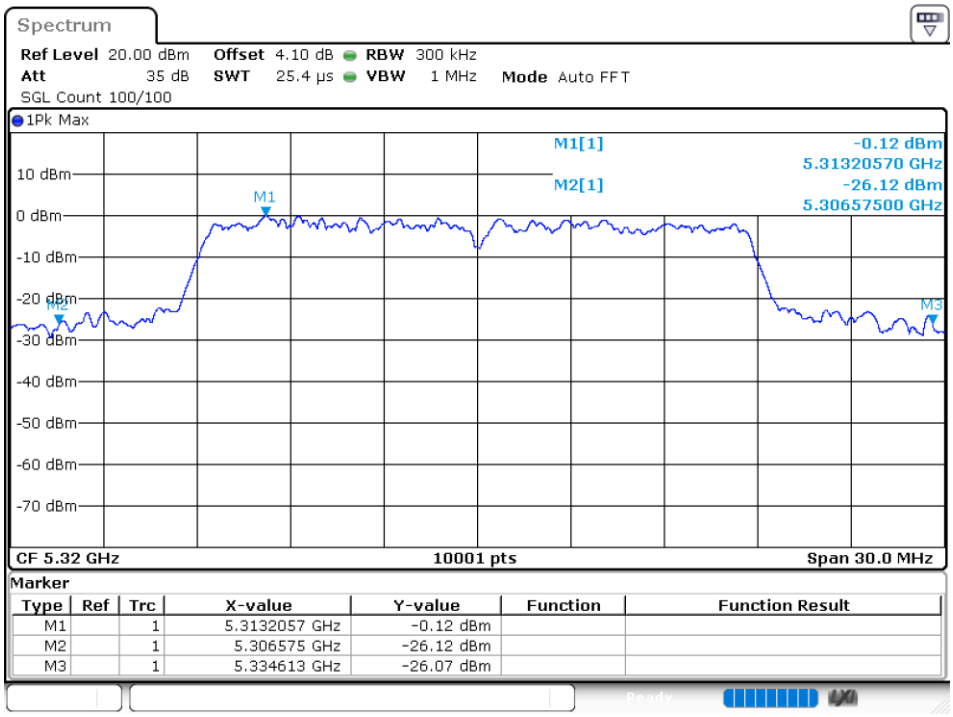
-26dB Bandwidth NVNT ac20 5260MHz Ant1



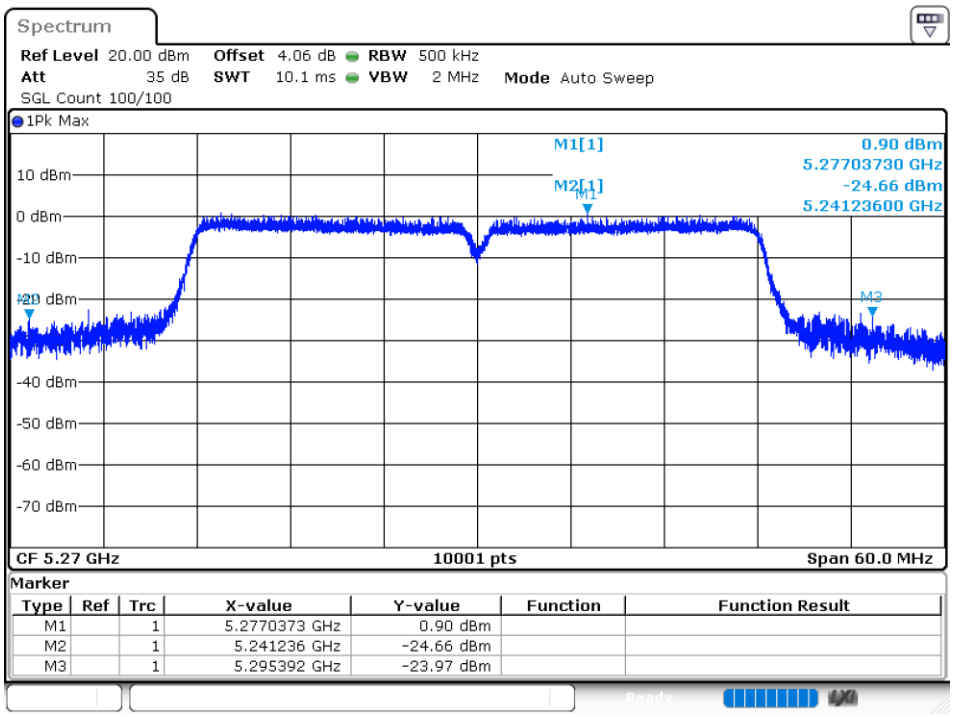
-26dB Bandwidth NVNT ac20 5280MHz Ant1



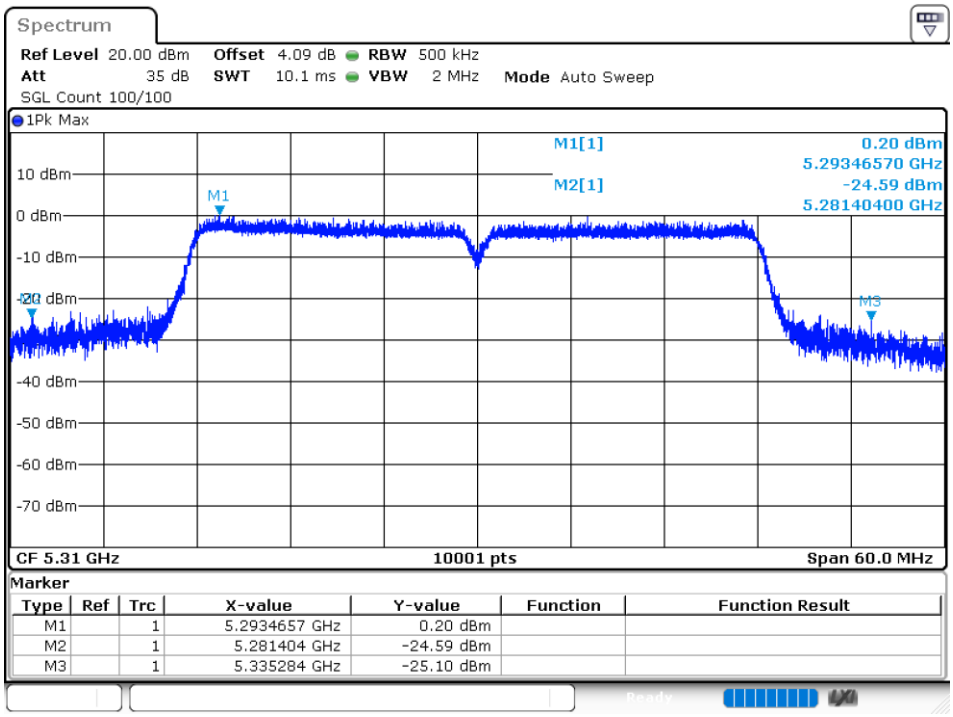
-26dB Bandwidth NVNT ac20 5320MHz Ant1



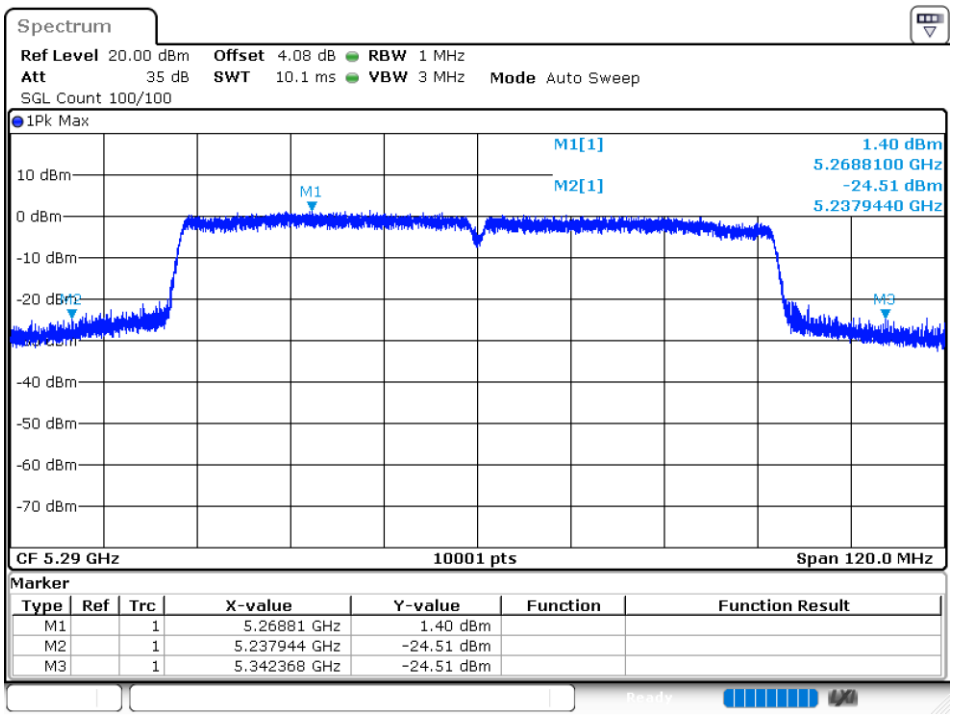
-26dB Bandwidth NVNT ac40 5270MHz Ant1



-26dB Bandwidth NVNT ac40 5310MHz Ant1



-26dB Bandwidth NVNT ac80 5290MHz Ant1

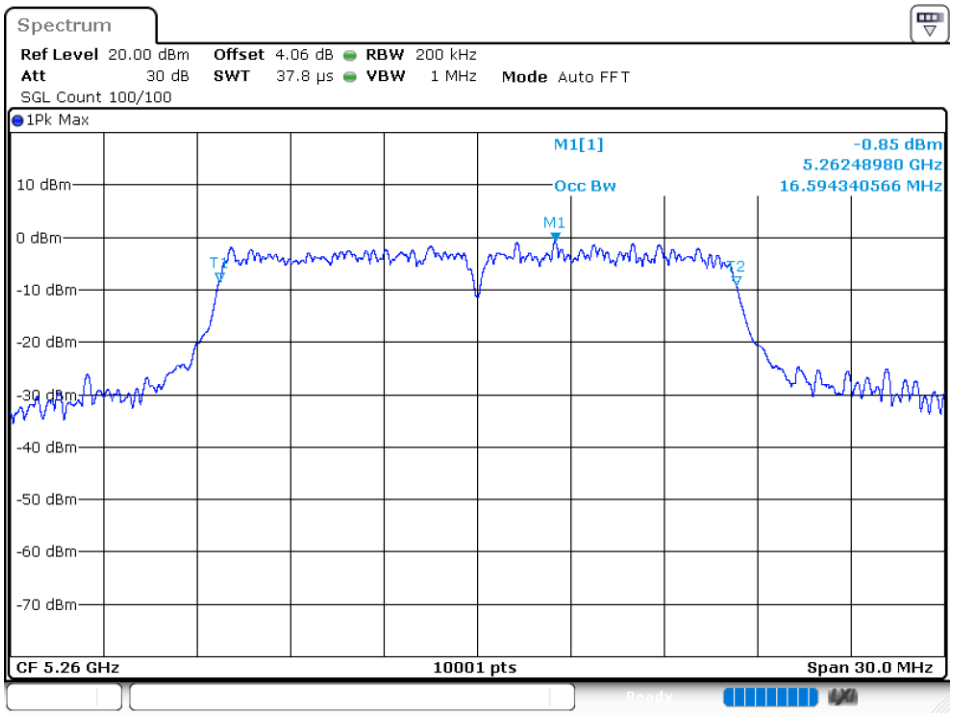


Occupied Channel Bandwidth

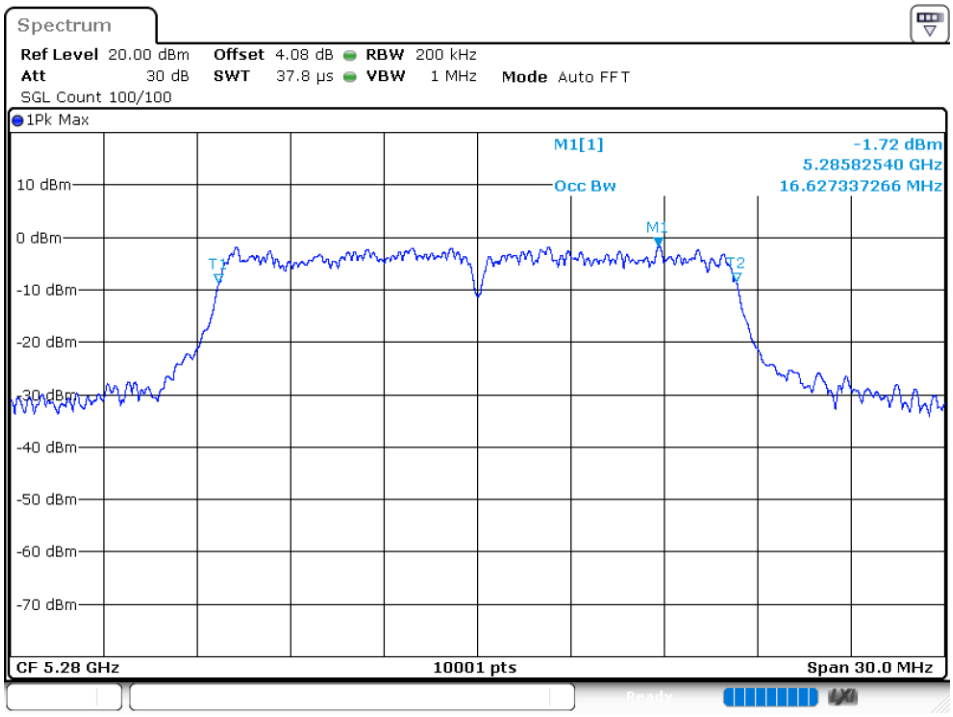
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5260	Ant1	16.594
NVNT	a	5280	Ant1	16.627
NVNT	a	5320	Ant1	16.726
NVNT	n20	5260	Ant1	17.734
NVNT	n20	5280	Ant1	17.659
NVNT	n20	5320	Ant1	17.71
NVNT	n40	5270	Ant1	36.458
NVNT	n40	5310	Ant1	36.41
NVNT	ac20	5260	Ant1	17.668
NVNT	ac20	5280	Ant1	17.65
NVNT	ac20	5320	Ant1	17.758
NVNT	ac40	5270	Ant1	36.404
NVNT	ac40	5310	Ant1	36.416
NVNT	ac80	5290	Ant1	75.604

Test Graphs

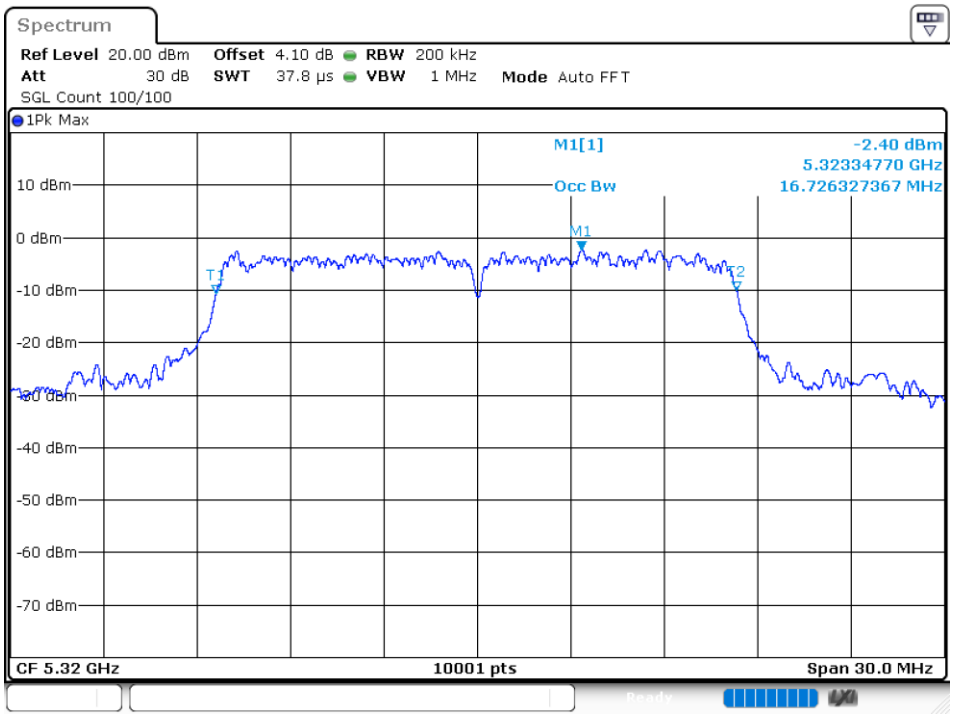
OBW NVNT a 5260MHz Ant1



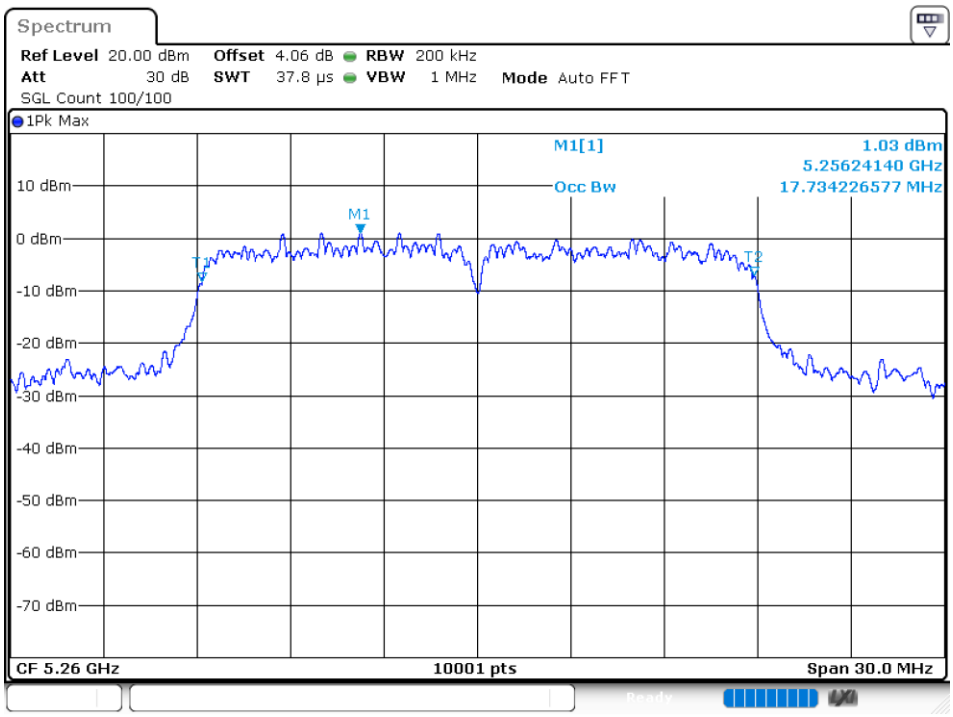
OBW NVNT a 5280MHz Ant1



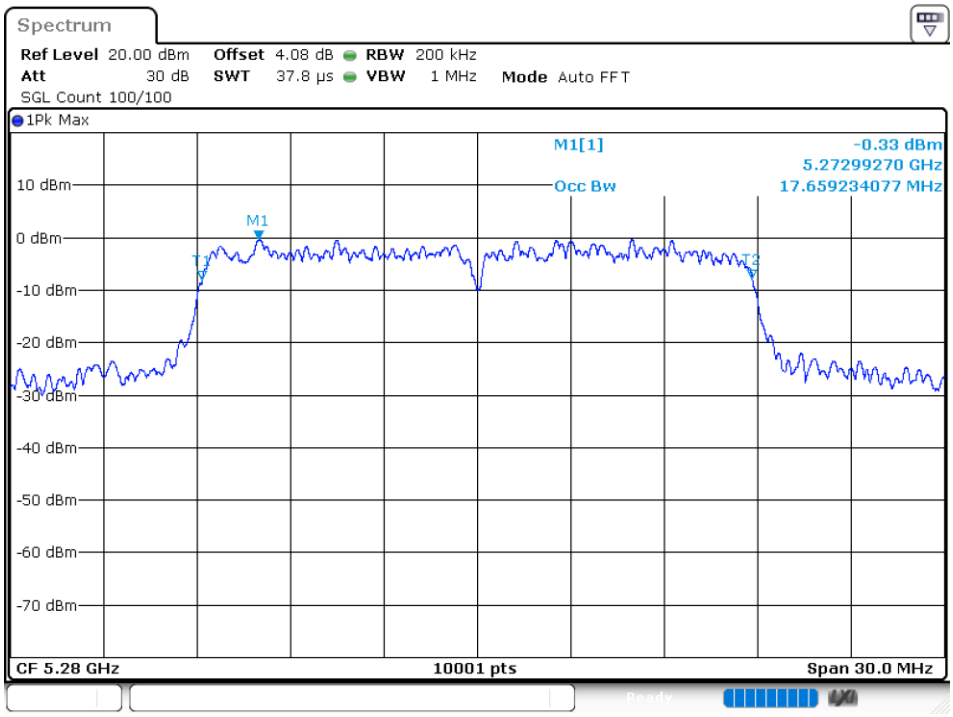
OBW NVNT a 5320MHz Ant1



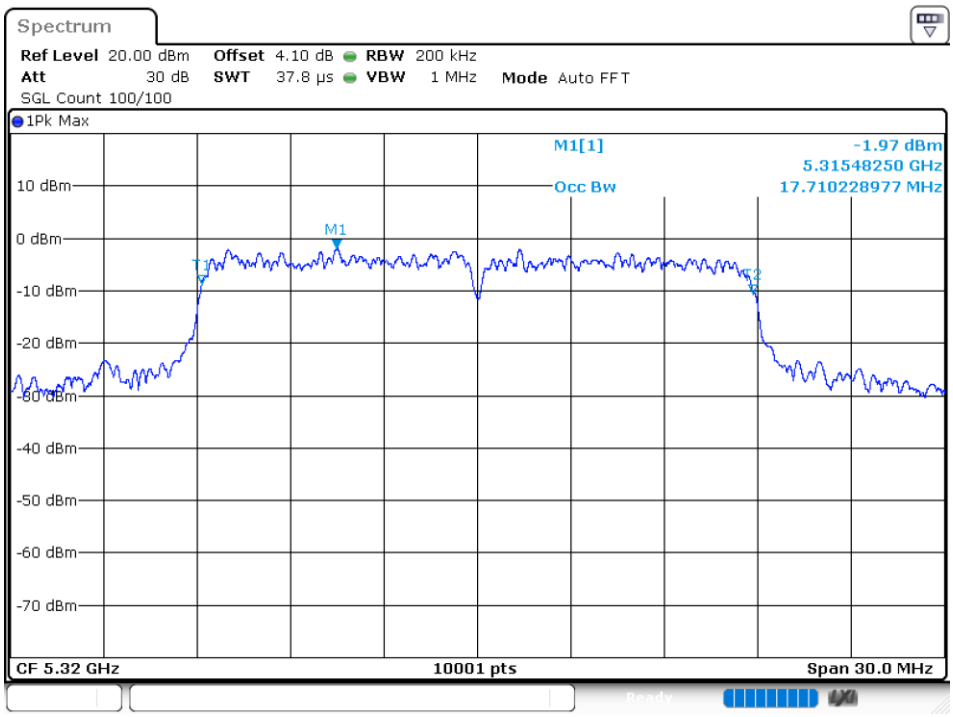
OBW NVNT n20 5260MHz Ant1



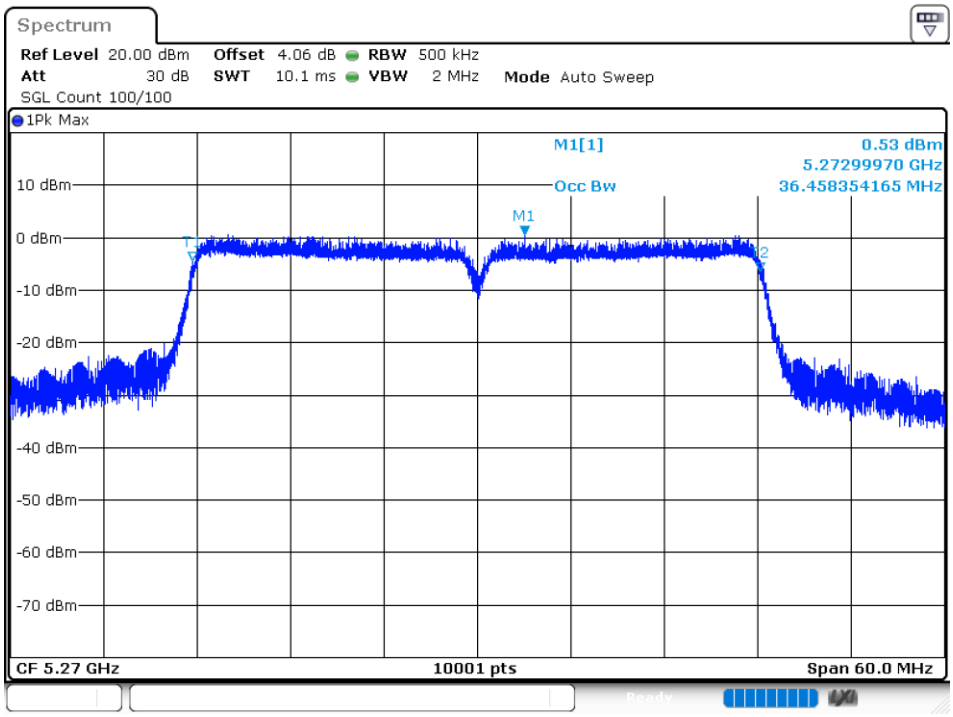
OBW NVNT n20 5280MHz Ant1



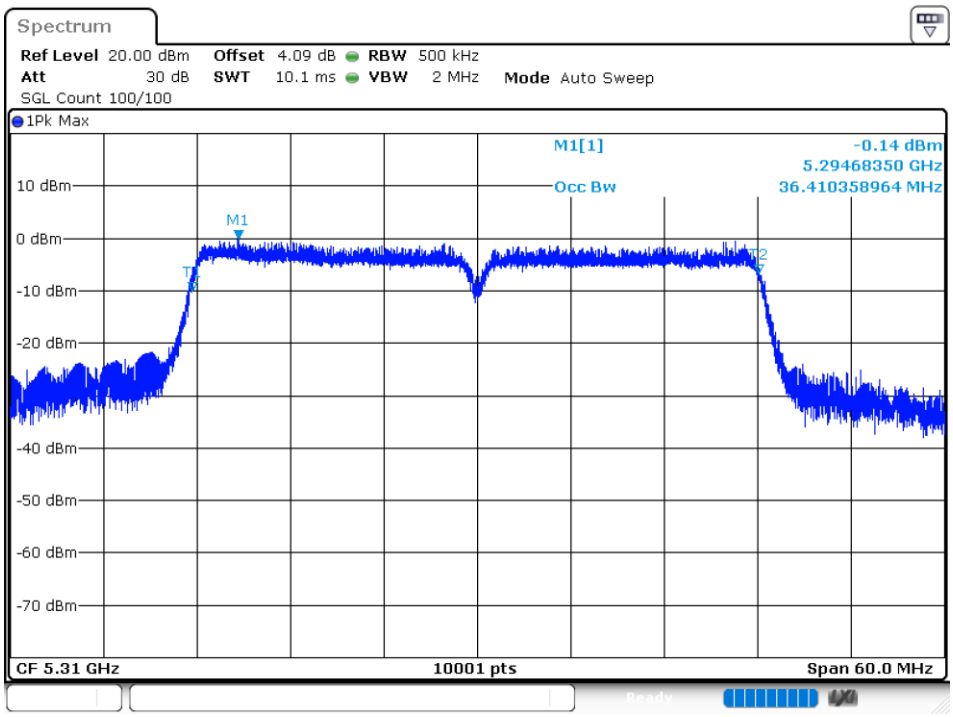
OBW NVNT n20 5320MHz Ant1



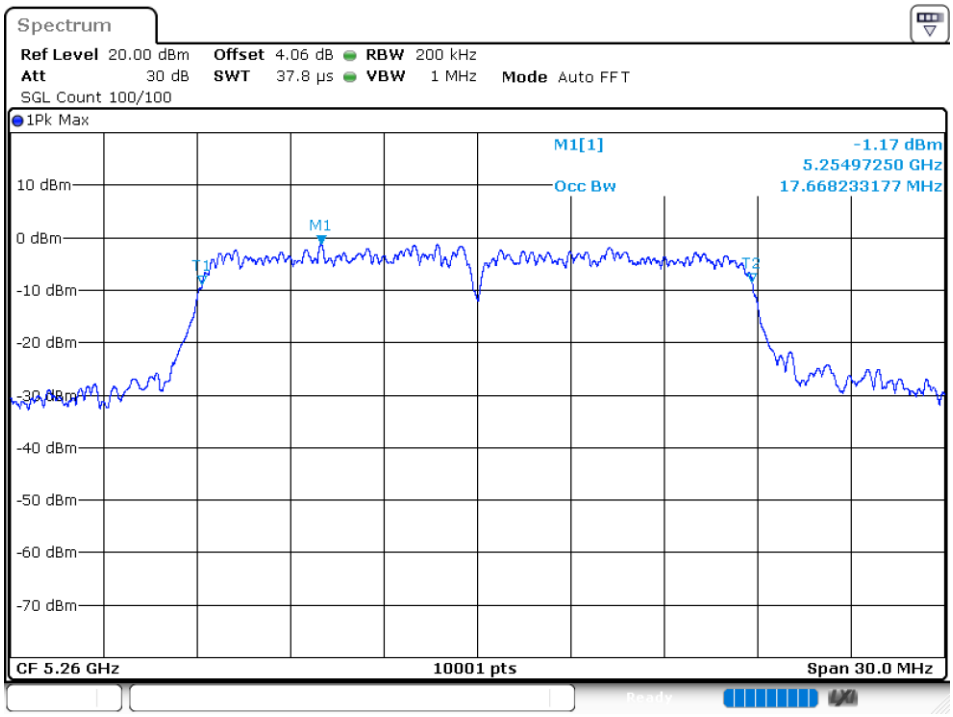
OBW NVNT n40 5270MHz Ant1



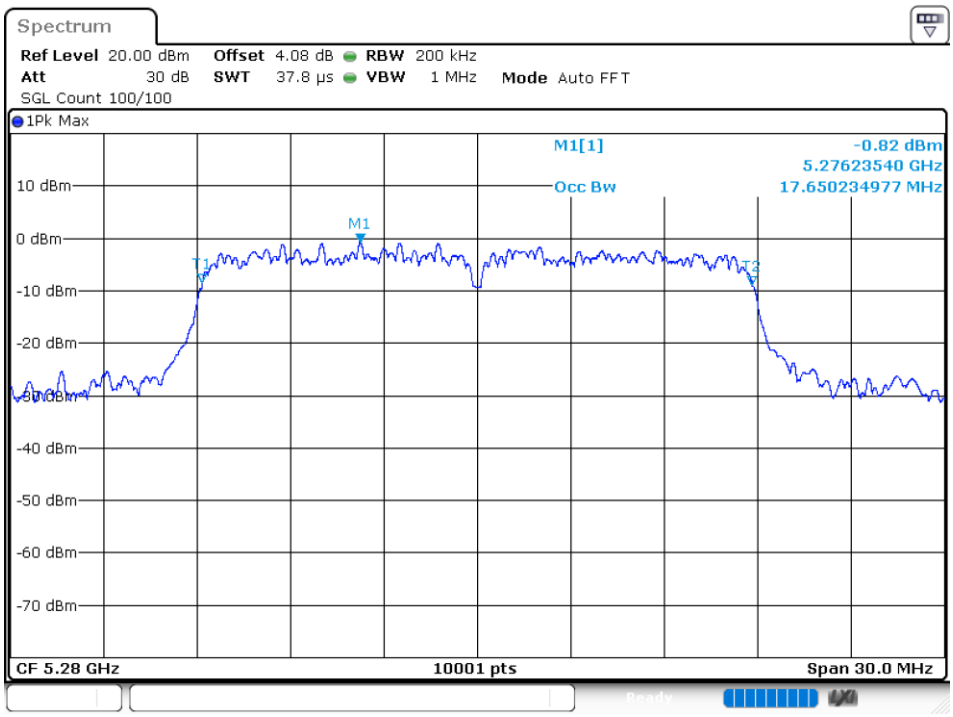
OBW NVNT n40 5310MHz Ant1



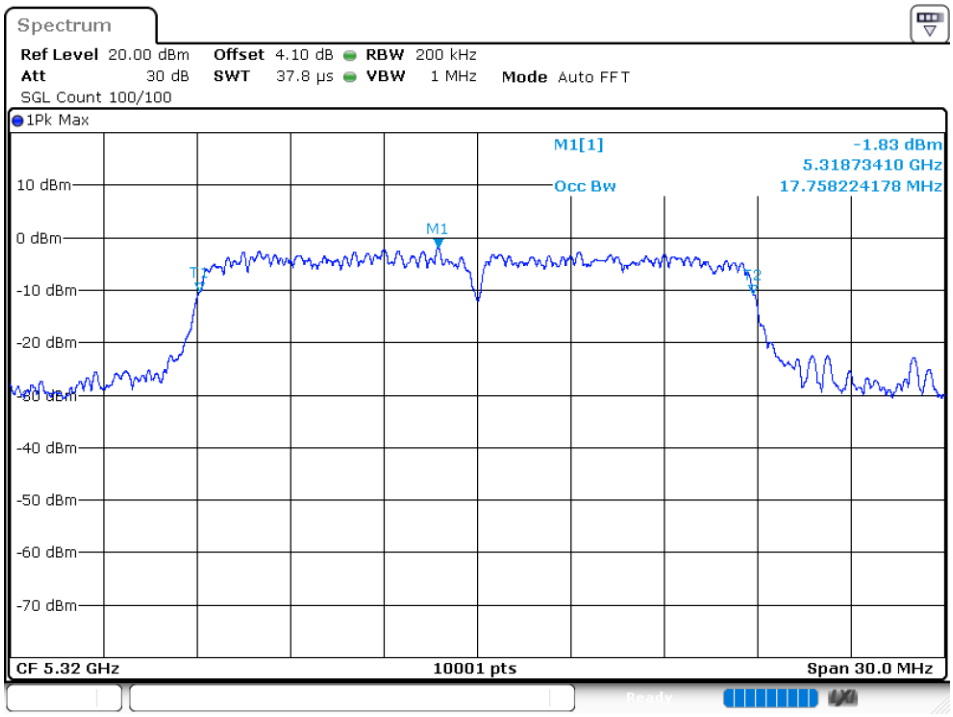
OBW NVNT ac20 5260MHz Ant1



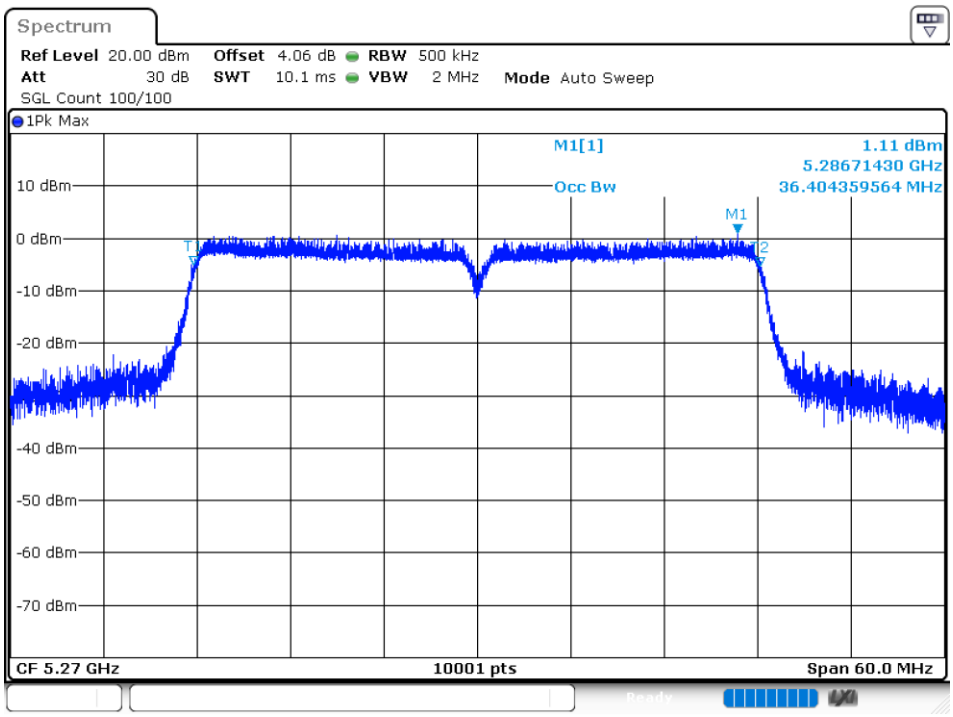
OBW NVNT ac20 5280MHz Ant1



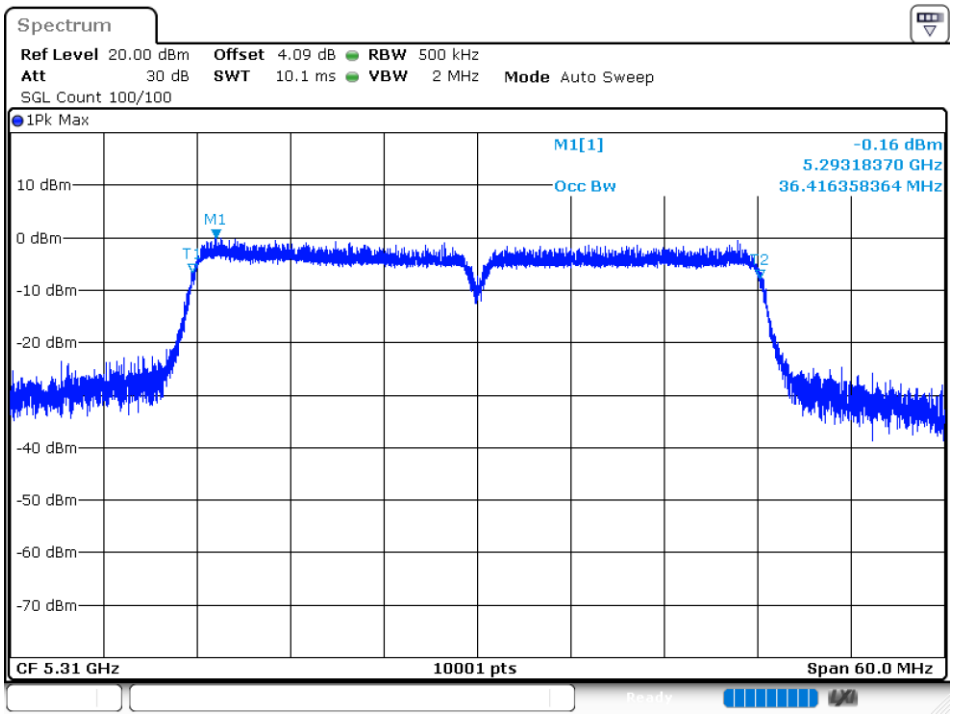
OBW NVNT ac20 5320MHz Ant1



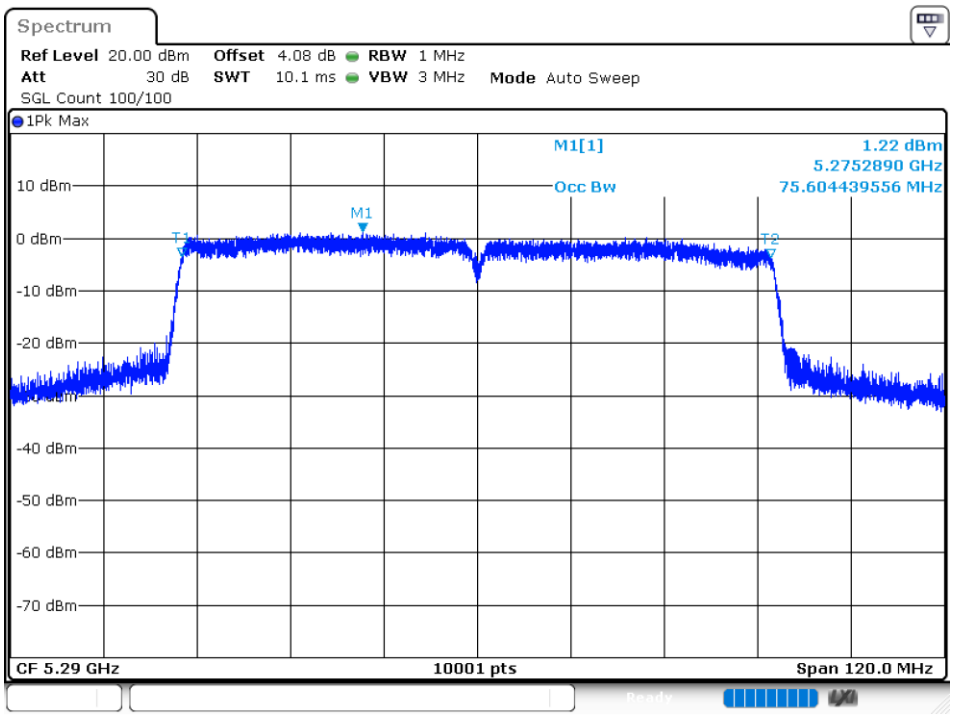
OBW NVNT ac40 5270MHz Ant1



OBW NVNT ac40 5310MHz Ant1



OBW NVNT ac80 5290MHz Ant1

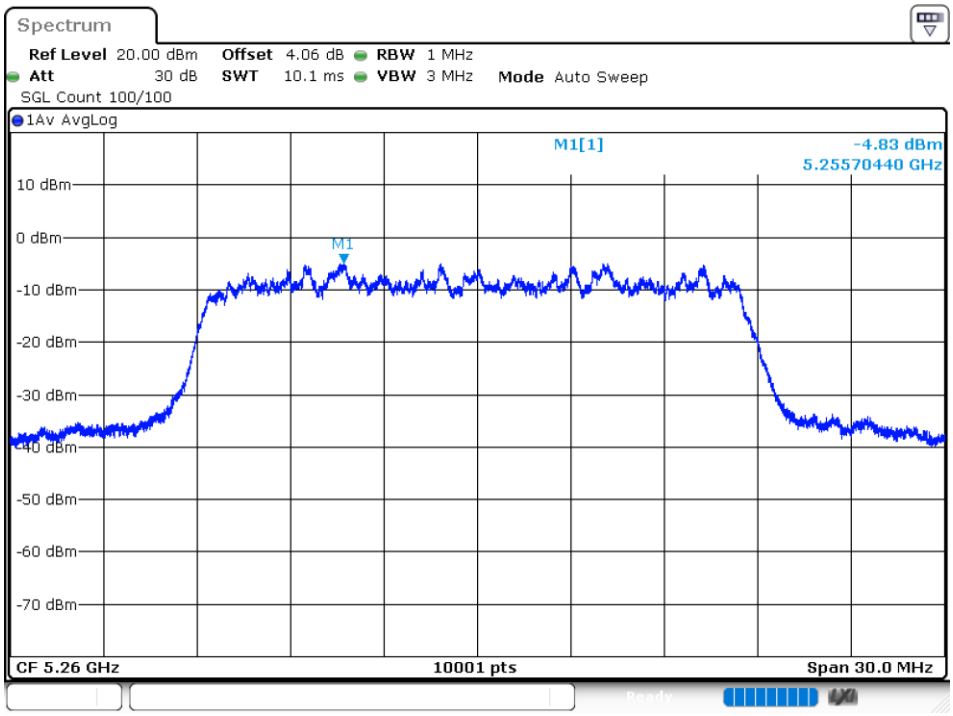


Maximum Power Spectral Density Level

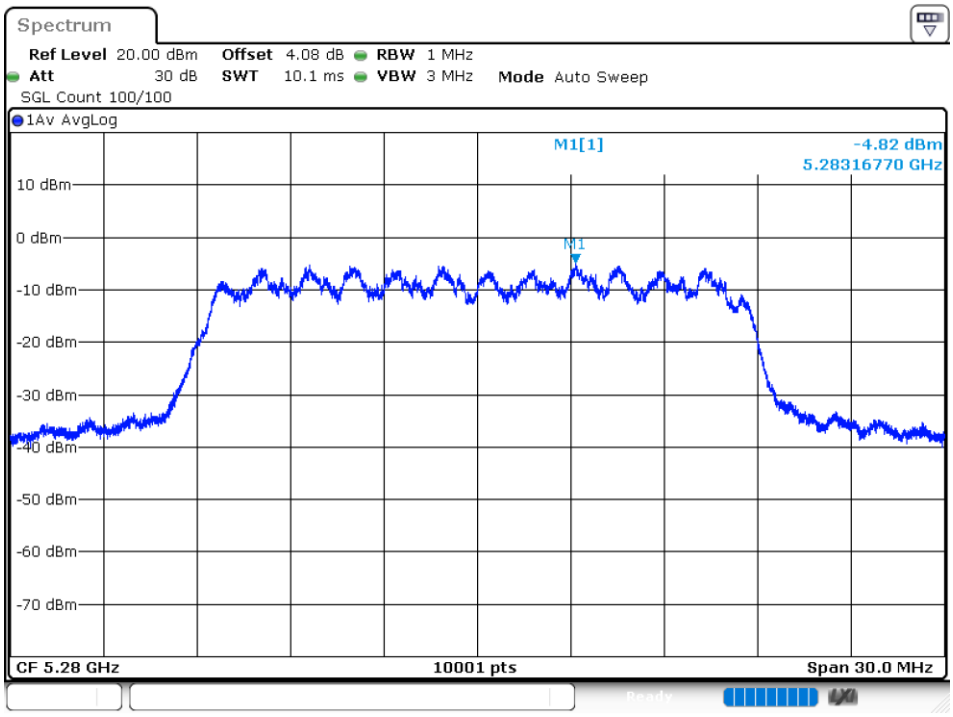
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	-4.83	0.43	-4.4	11	Pass
NVNT	a	5280	Ant1	-4.82	0.43	-4.39	11	Pass
NVNT	a	5320	Ant1	-5.71	0.42	-5.29	11	Pass
NVNT	n20	5260	Ant1	-3.88	0.49	-3.39	11	Pass
NVNT	n20	5280	Ant1	-3.8	0.49	-3.31	11	Pass
NVNT	n20	5320	Ant1	-6.37	0.5	-5.87	11	Pass
NVNT	n40	5270	Ant1	-12.39	0.92	-11.47	11	Pass
NVNT	n40	5310	Ant1	-13.53	0.92	-12.61	11	Pass
NVNT	ac20	5260	Ant1	-6.76	0.48	-6.28	11	Pass
NVNT	ac20	5280	Ant1	-4.45	0.48	-3.97	11	Pass
NVNT	ac20	5320	Ant1	-6.14	0.48	-5.66	11	Pass
NVNT	ac40	5270	Ant1	-12.14	0.91	-11.23	11	Pass
NVNT	ac40	5310	Ant1	-12.12	0.92	-11.2	11	Pass
NVNT	ac80	5290	Ant1	-17.11	1.63	-15.48	11	Pass

Test Graphs

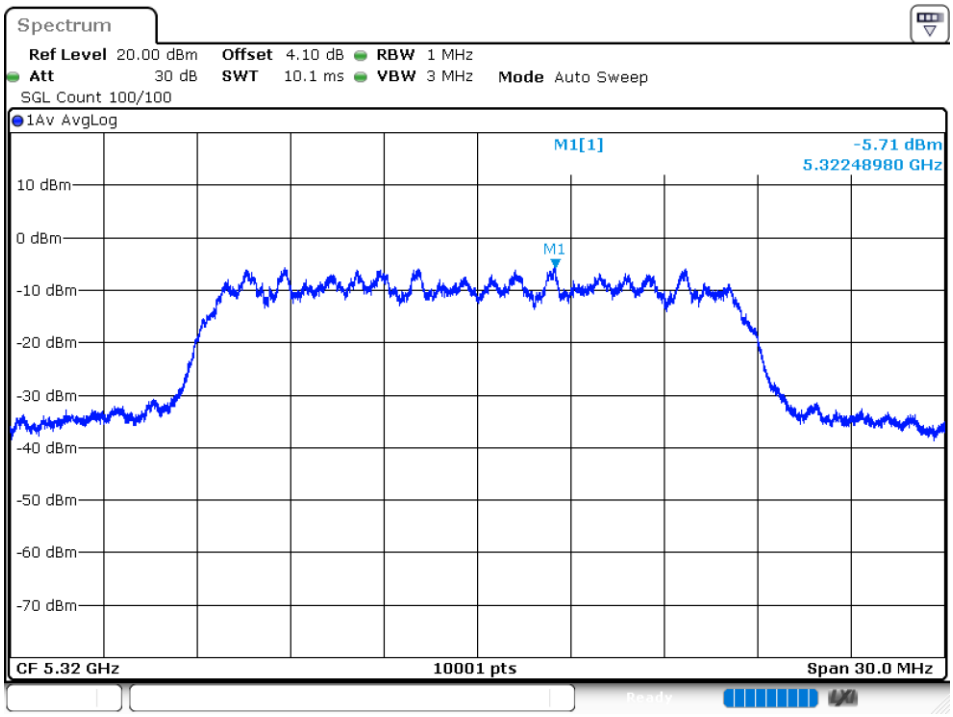
PSD NVNT a 5260MHz Ant1



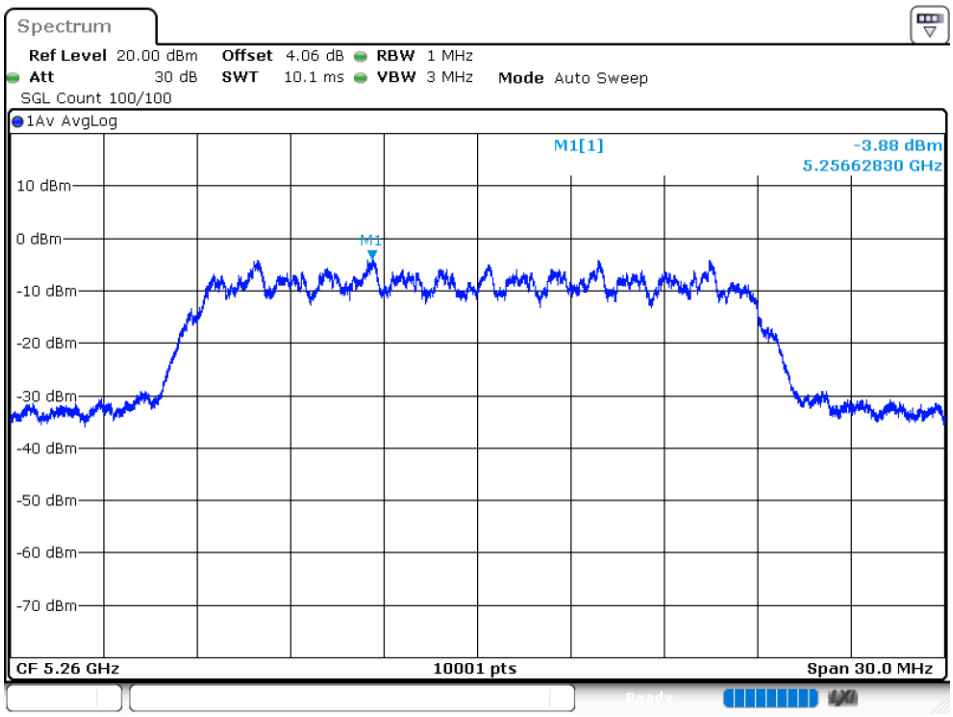
PSD NVNT a 5280MHz Ant1



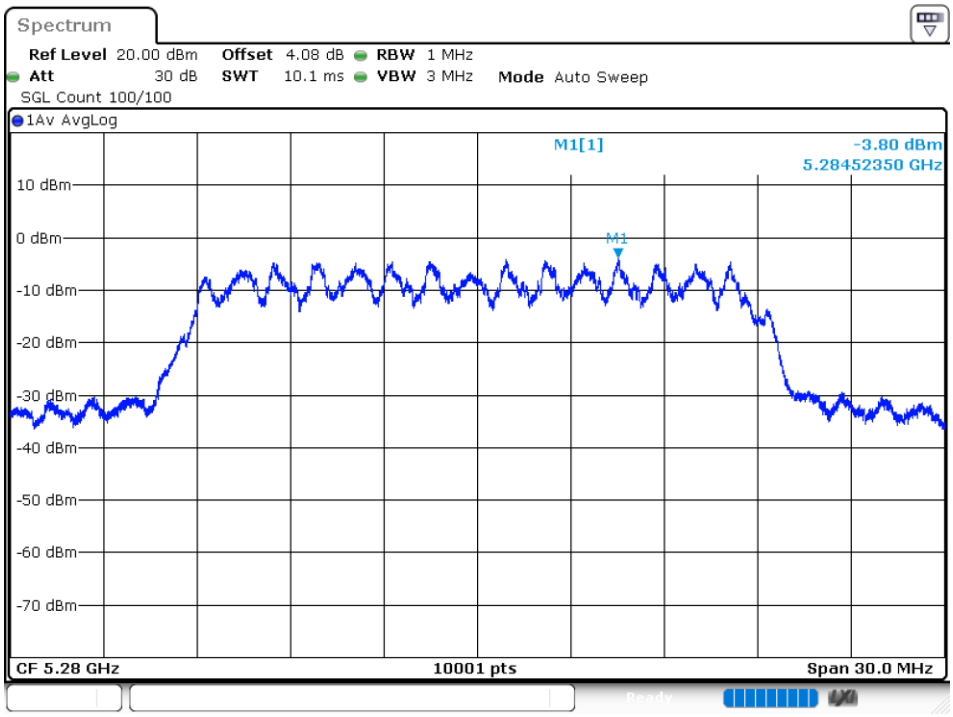
PSD NVNT a 5320MHz Ant1



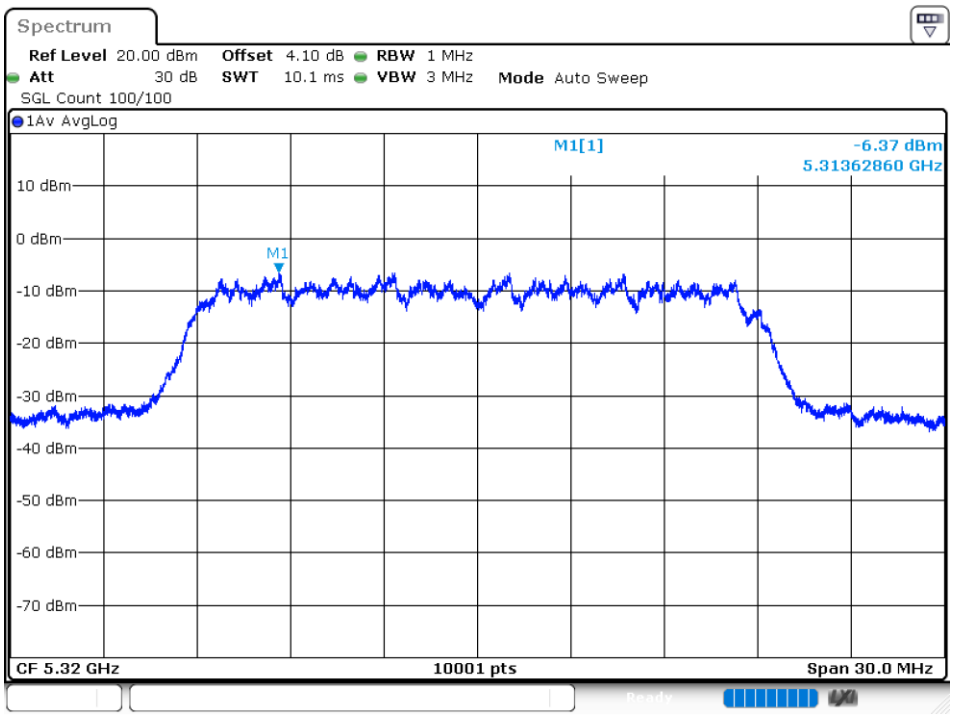
PSD NVNT n20 5260MHz Ant1



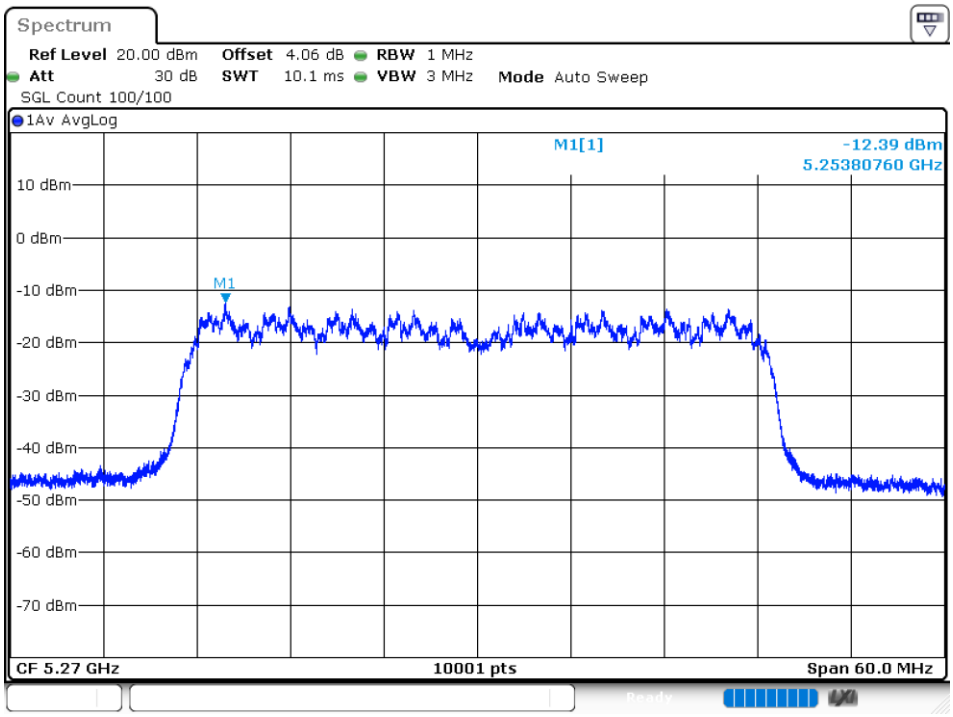
PSD NVNT n20 5280MHz Ant1



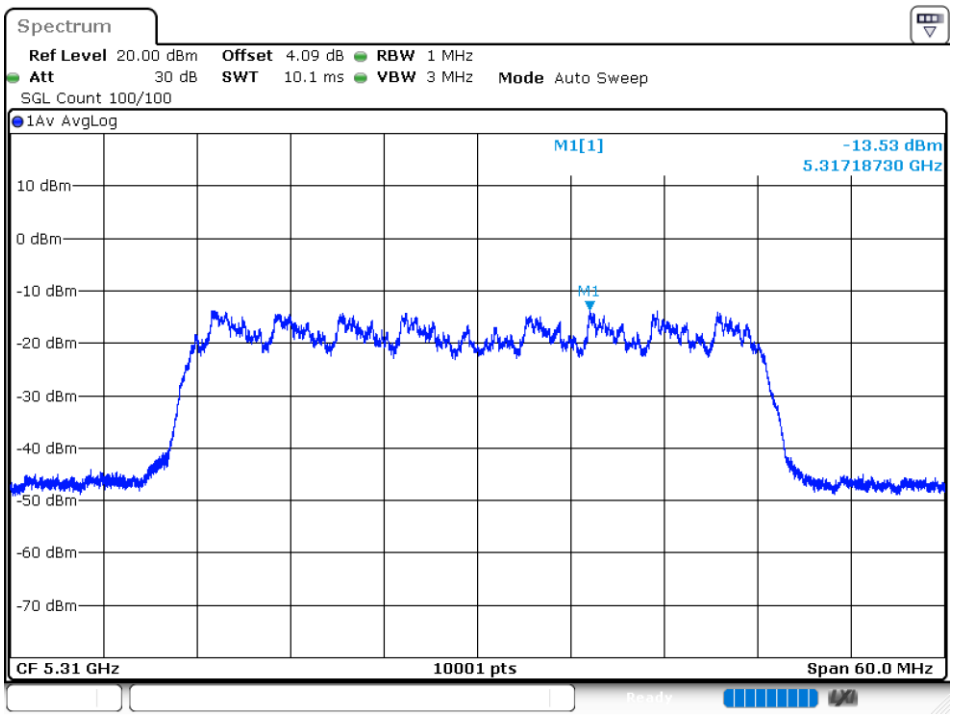
PSD NVNT n20 5320MHz Ant1



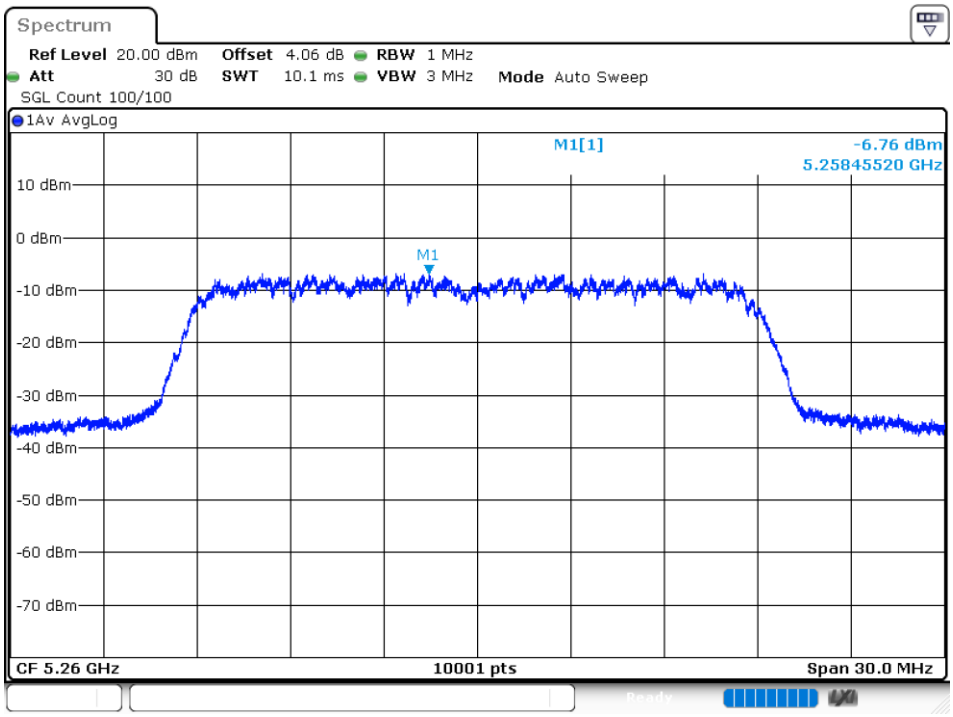
PSD NVNT n40 5270MHz Ant1



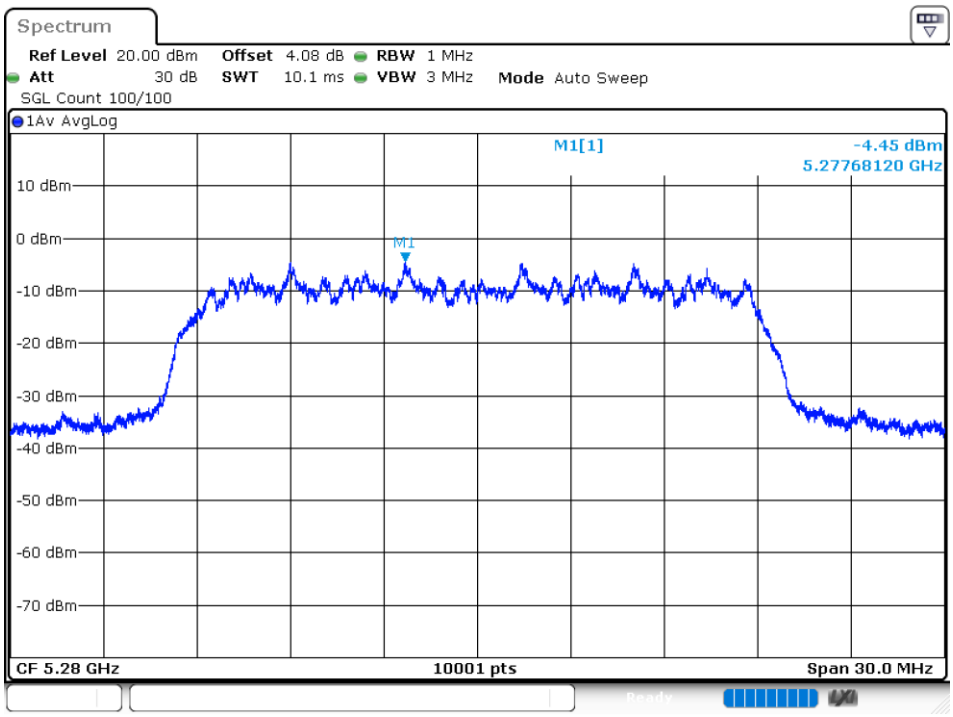
PSD NVNT n40 5310MHz Ant1



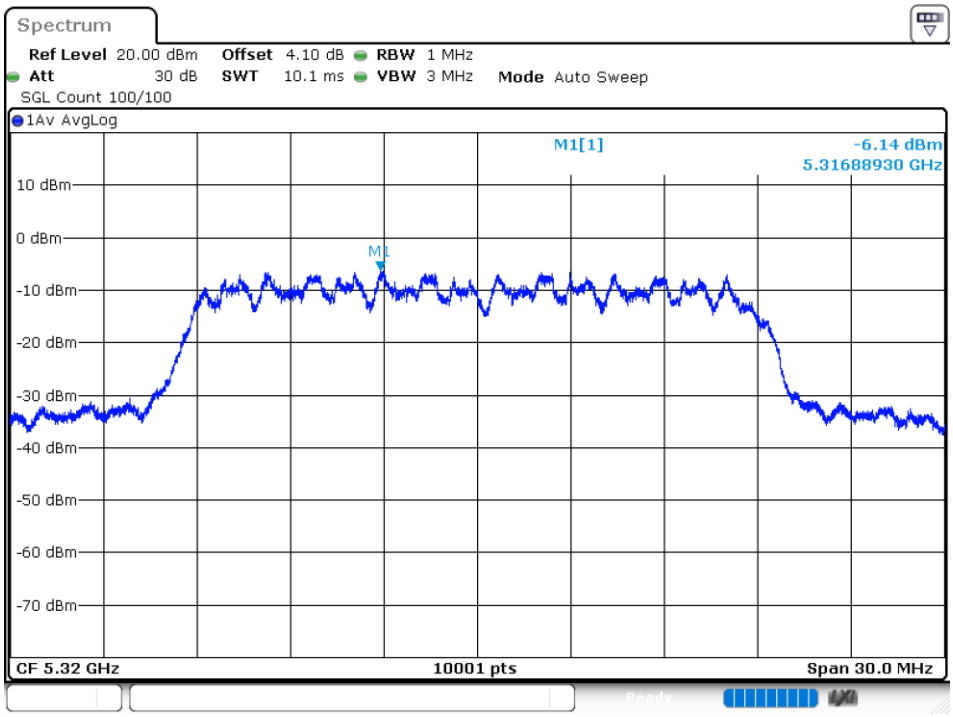
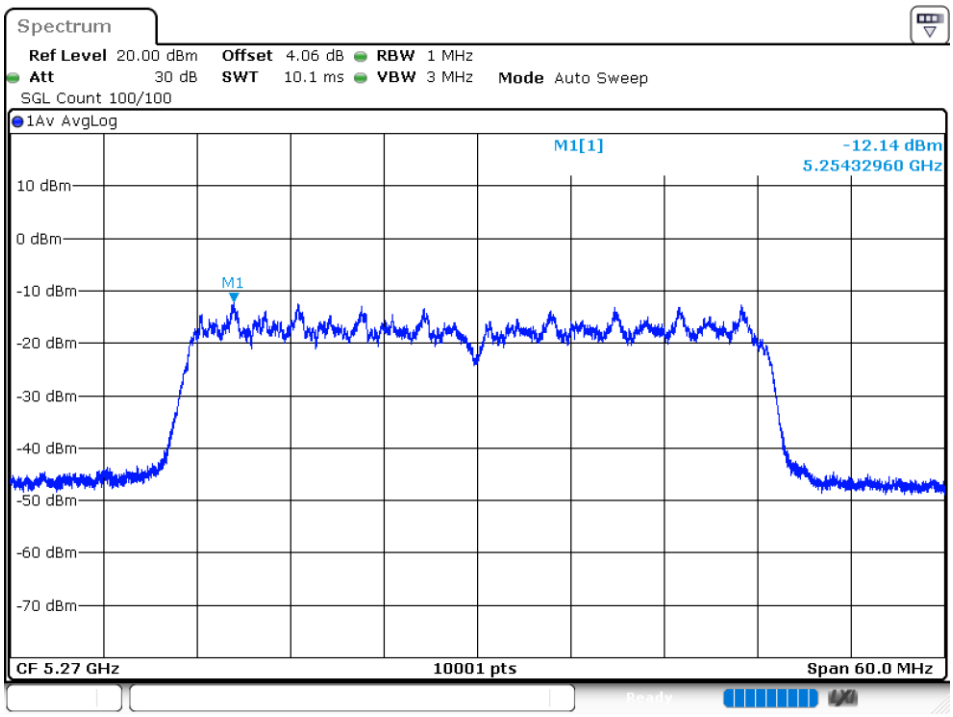
PSD NVNT ac20 5260MHz Ant1



PSD NVNT ac20 5280MHz Ant1



PSD NVNT ac20 5320MHz Ant1



PSD NVNT ac40 5270MHz Ant1