

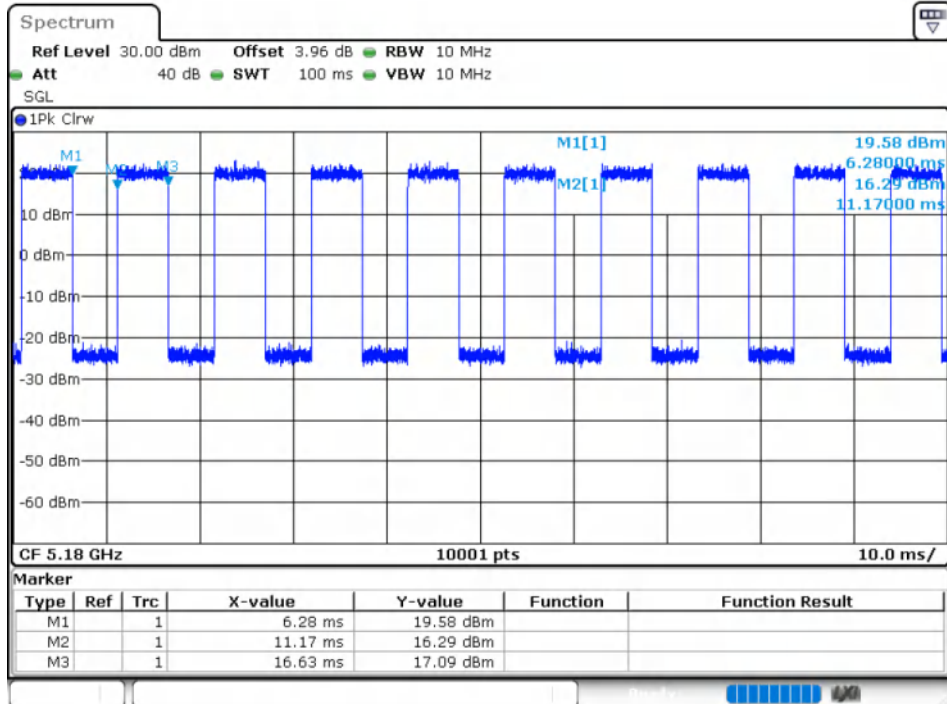
5.2G WIFI

Duty Cycle

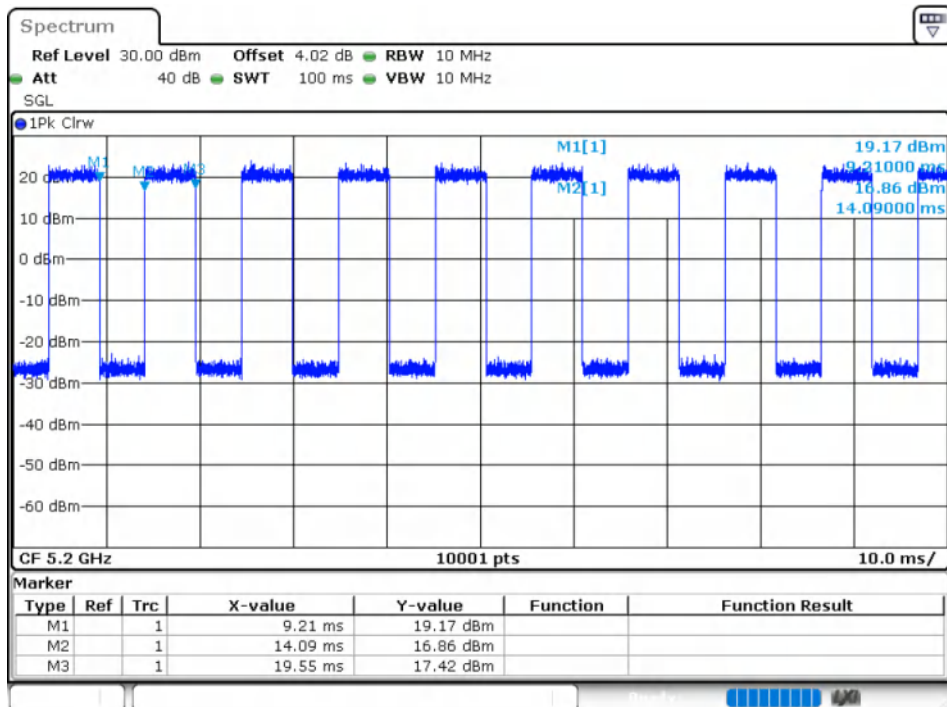
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	54.62	2.63	0.18
NVNT	a	5200	Ant1	52.31	2.81	0.18
NVNT	a	5240	Ant1	51.74	2.86	0.18
NVNT	n20	5180	Ant1	52.2	2.82	0.19
NVNT	n20	5200	Ant1	51.06	2.92	0.19
NVNT	n20	5240	Ant1	52.3	2.81	0.19
NVNT	n40	5190	Ant1	49.06	3.09	0.19
NVNT	n40	5230	Ant1	49.6	3.05	0.19
NVNT	ac20	5180	Ant1	51.13	2.91	0.19
NVNT	ac20	5200	Ant1	50.52	2.96	0.19
NVNT	ac20	5240	Ant1	52.74	2.78	0.19
NVNT	ac40	5190	Ant1	50.65	2.95	0.19
NVNT	ac40	5230	Ant1	51.19	2.91	0.19
NVNT	ac80	5210	Ant1	45.15	3.45	0.21

Test Graphs

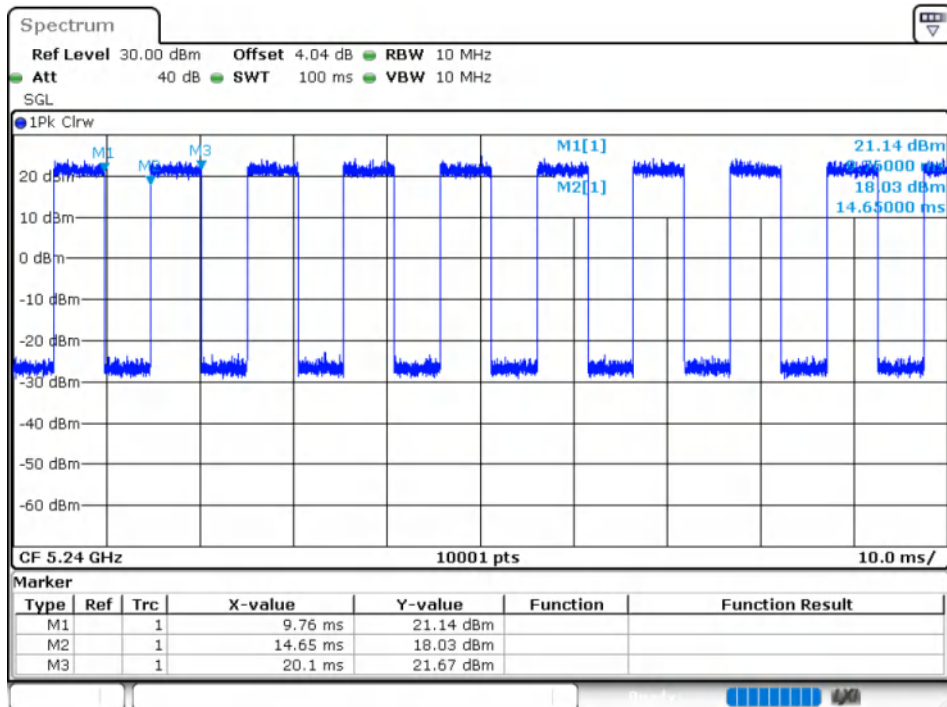
Duty Cycle NVNT a 5180MHz Ant1



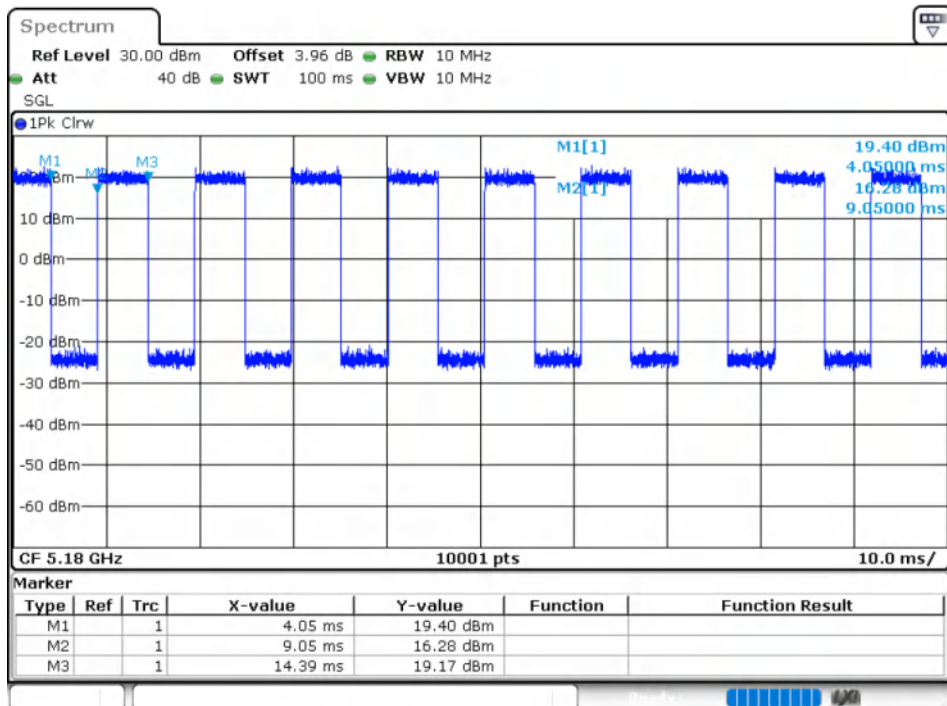
Duty Cycle NVNT a 5200MHz Ant1



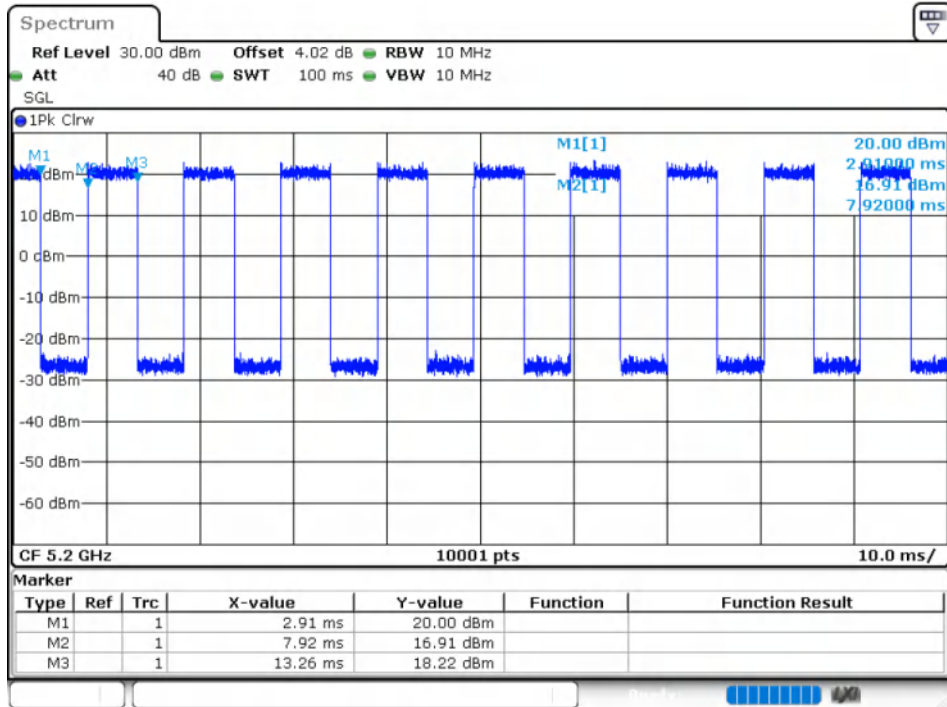
Duty Cycle NVNT a 5240MHz Ant1



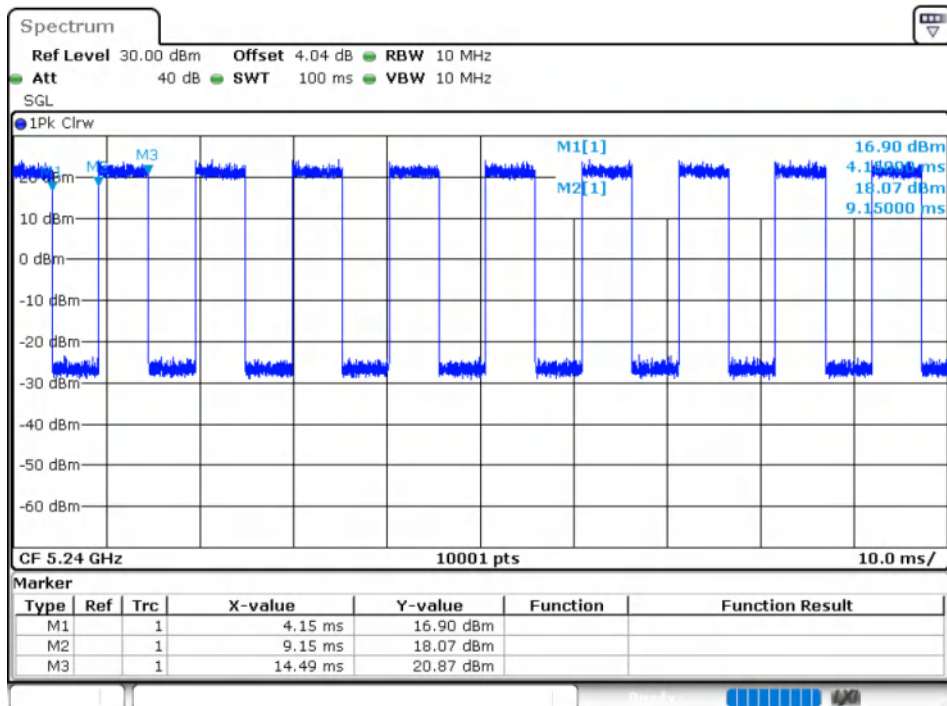
Duty Cycle NVNT n20 5180MHz Ant1



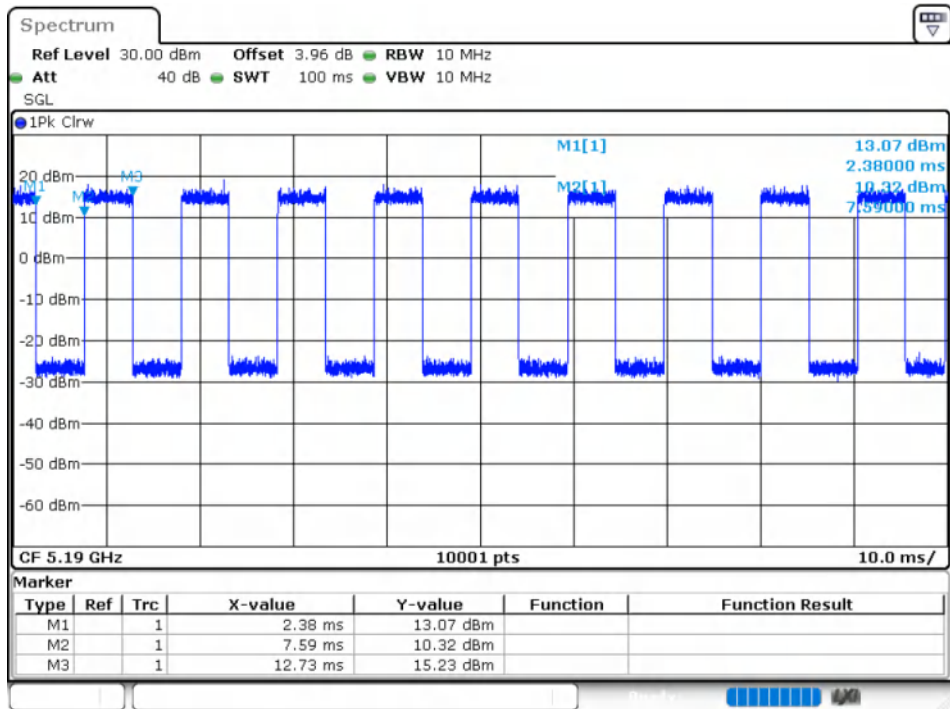
Duty Cycle NVNT n20 5200MHz Ant1



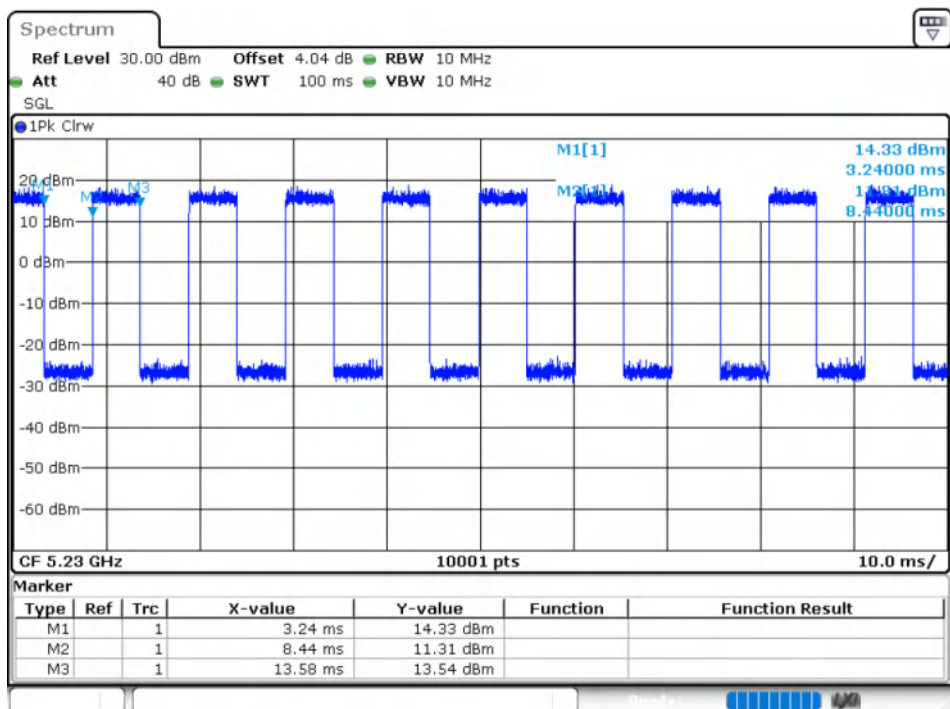
Duty Cycle NVNT n20 5240MHz Ant1



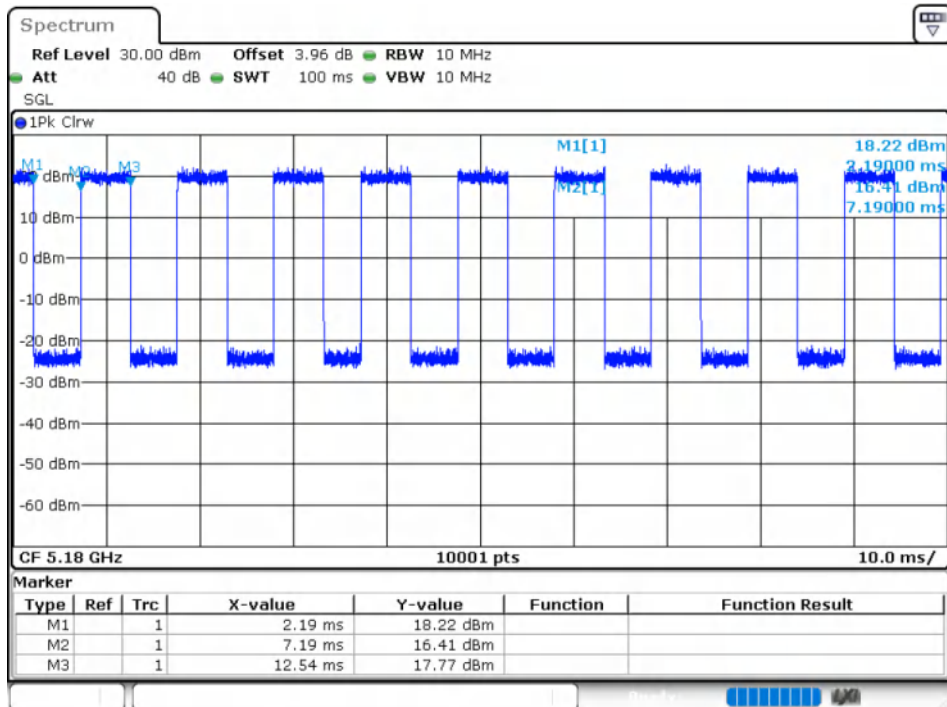
Duty Cycle NVNT n40 5190MHz Ant1



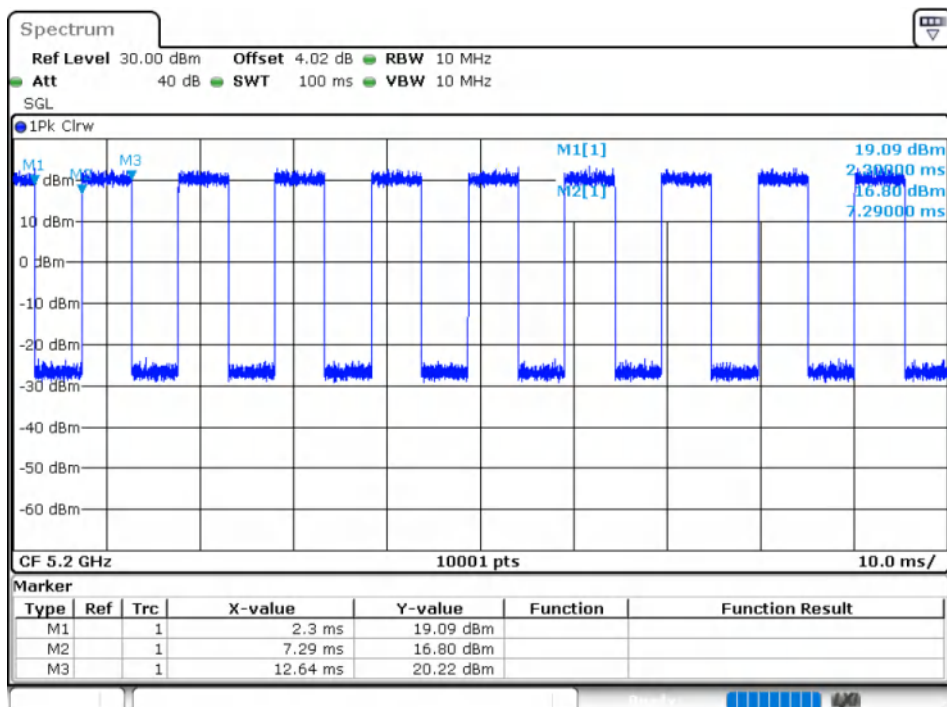
Duty Cycle NVNT n40 5230MHz Ant1



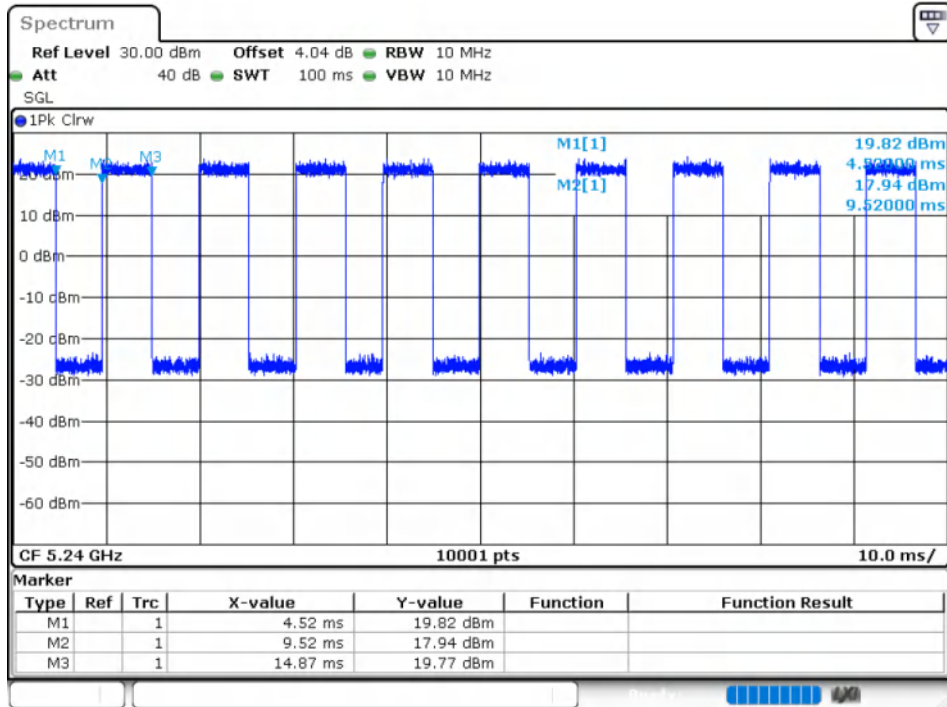
Duty Cycle NVNT ac20 5180MHz Ant1



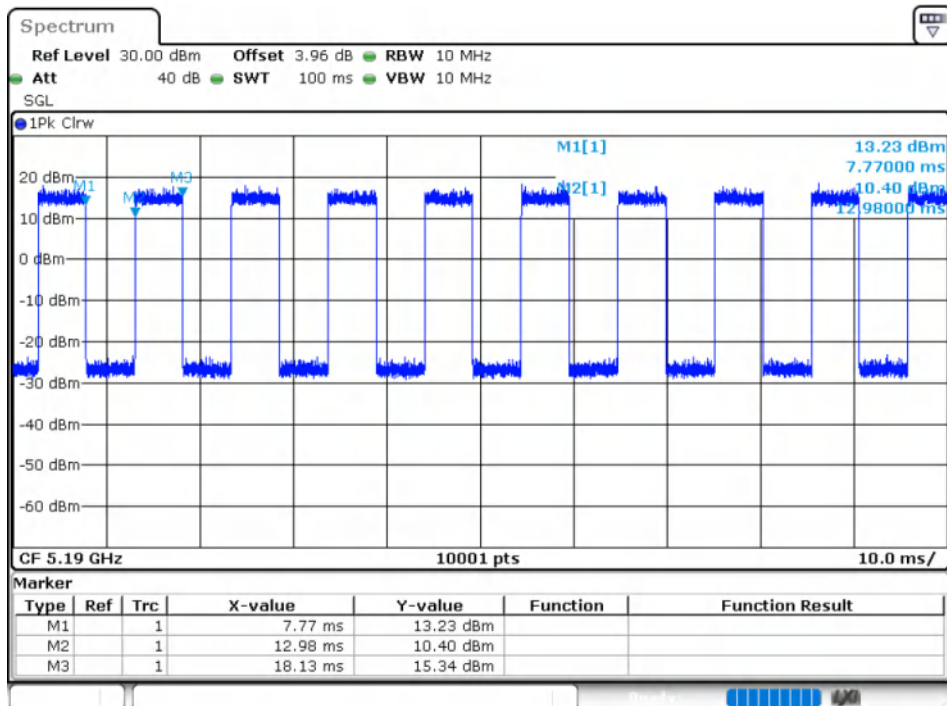
Duty Cycle NVNT ac20 5200MHz Ant1



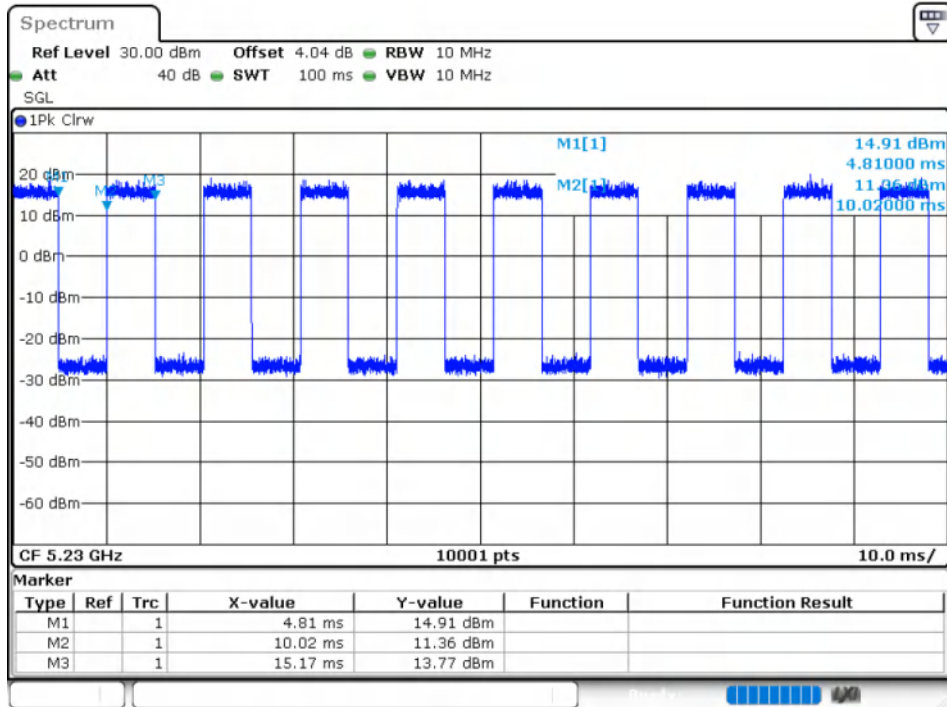
Duty Cycle NVNT ac20 5240MHz Ant1



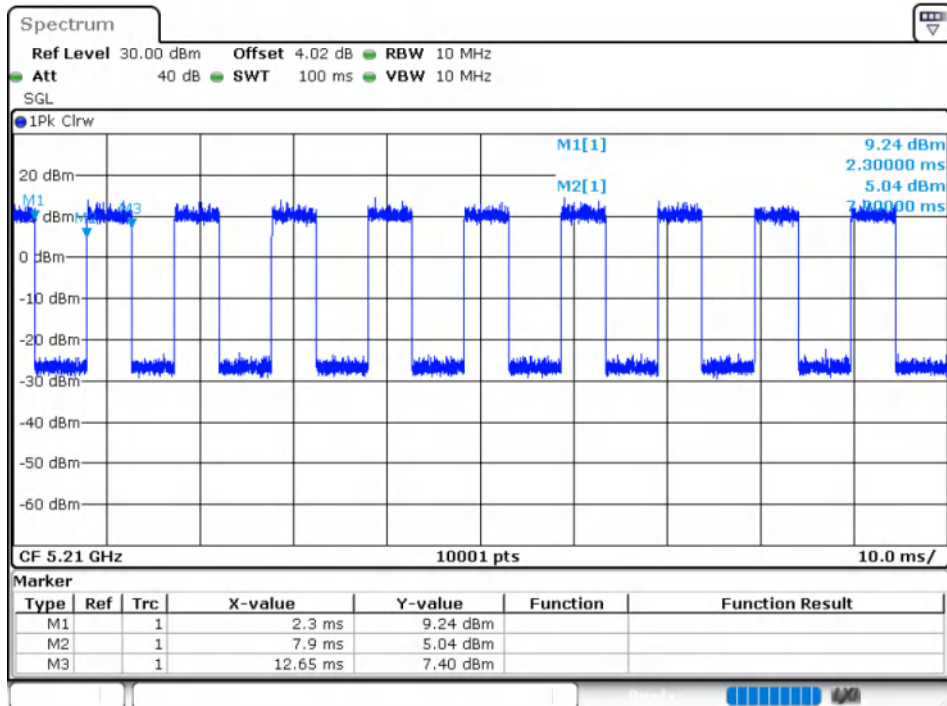
Duty Cycle NVNT ac40 5190MHz Ant1



Duty Cycle NVNT ac40 5230MHz Ant1



Duty Cycle NVNT ac80 5210MHz Ant1



Maximum Conducted Output Power

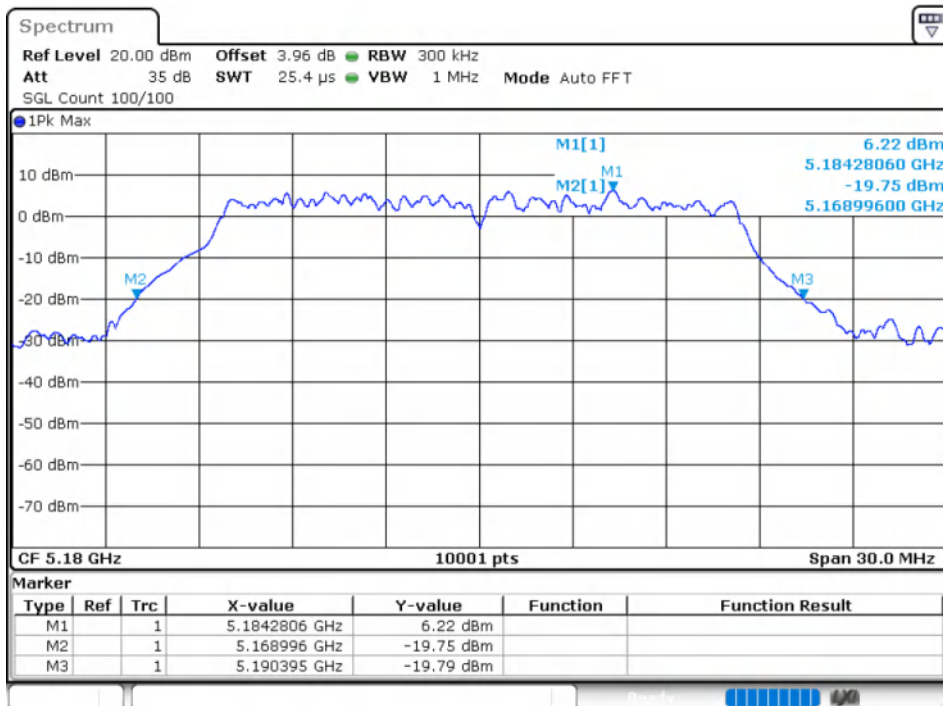
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	16.84	24	Pass
NVNT	a	5200	Ant1	16.95	24	Pass
NVNT	a	5240	Ant1	16.51	24	Pass
NVNT	n20	5180	Ant1	16.72	24	Pass
NVNT	n20	5200	Ant1	16.92	24	Pass
NVNT	n20	5240	Ant1	16.71	24	Pass
NVNT	n40	5190	Ant1	14.86	24	Pass
NVNT	n40	5230	Ant1	14.43	24	Pass
NVNT	ac20	5180	Ant1	16.81	24	Pass
NVNT	ac20	5200	Ant1	17.03	24	Pass
NVNT	ac20	5240	Ant1	16.66	24	Pass
NVNT	ac40	5190	Ant1	15.09	24	Pass
NVNT	ac40	5230	Ant1	14.37	24	Pass
NVNT	ac80	5210	Ant1	13.1	24	Pass

-26dB Bandwidth

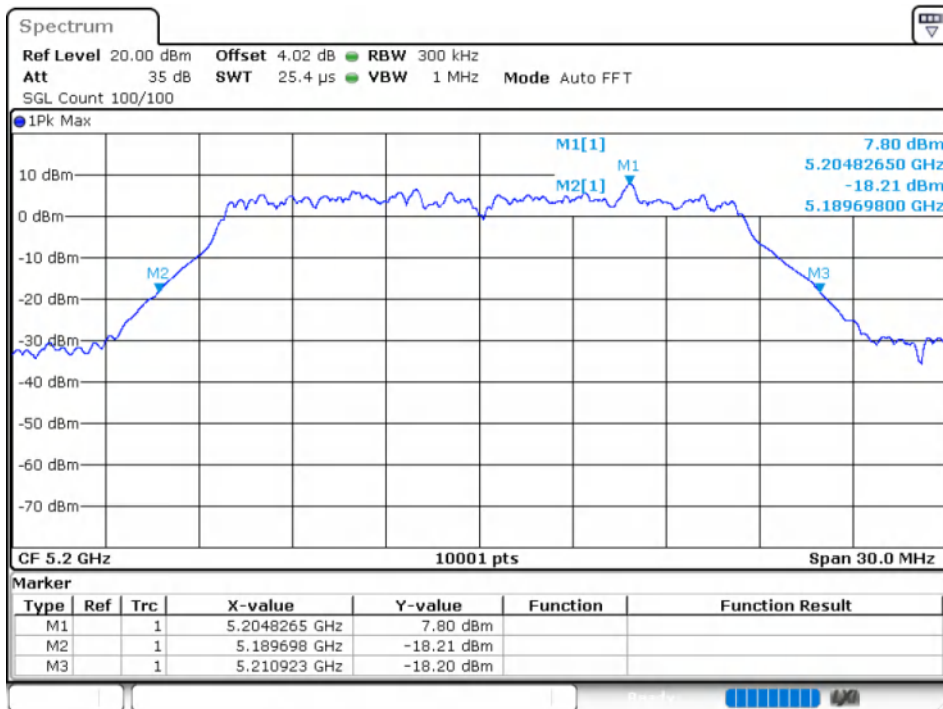
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	21.399	0.5	Pass
NVNT	a	5200	Ant1	21.225	0.5	Pass
NVNT	a	5240	Ant1	22.2	0.5	Pass
NVNT	n20	5180	Ant1	21.765	0.5	Pass
NVNT	n20	5200	Ant1	21.585	0.5	Pass
NVNT	n20	5240	Ant1	21.936	0.5	Pass
NVNT	n40	5190	Ant1	41.01	0.5	Pass
NVNT	n40	5230	Ant1	40.968	0.5	Pass
NVNT	ac20	5180	Ant1	22.065	0.5	Pass
NVNT	ac20	5200	Ant1	21.837	0.5	Pass
NVNT	ac20	5240	Ant1	21.558	0.5	Pass
NVNT	ac40	5190	Ant1	40.896	0.5	Pass
NVNT	ac40	5230	Ant1	40.836	0.5	Pass
NVNT	ac80	5210	Ant1	80.94	0.5	Pass

Test Graphs

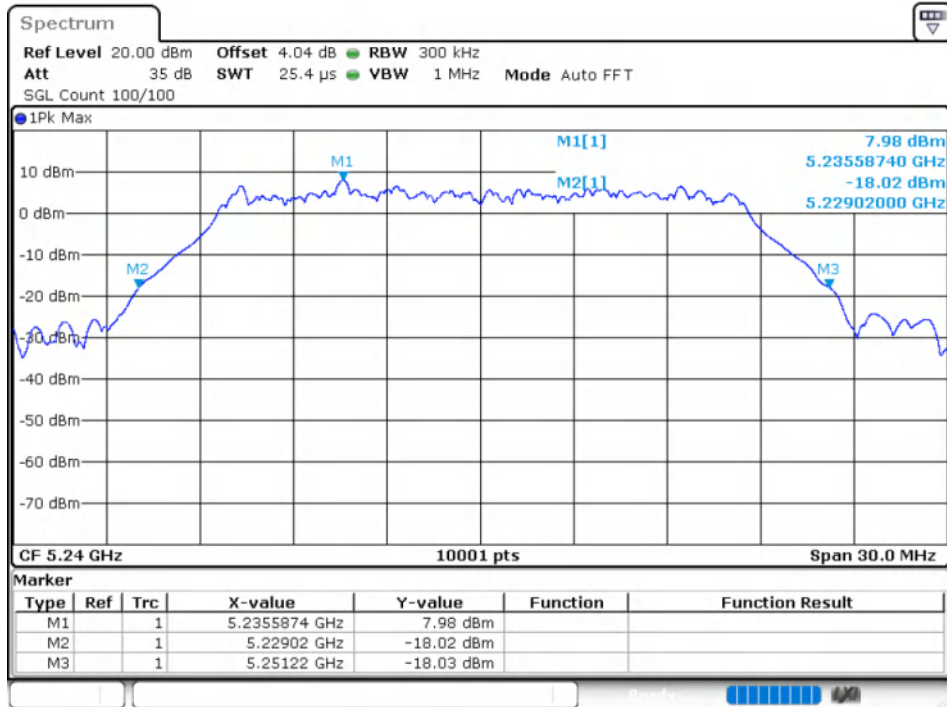
-26dB Bandwidth NVNT a 5180MHz Ant1



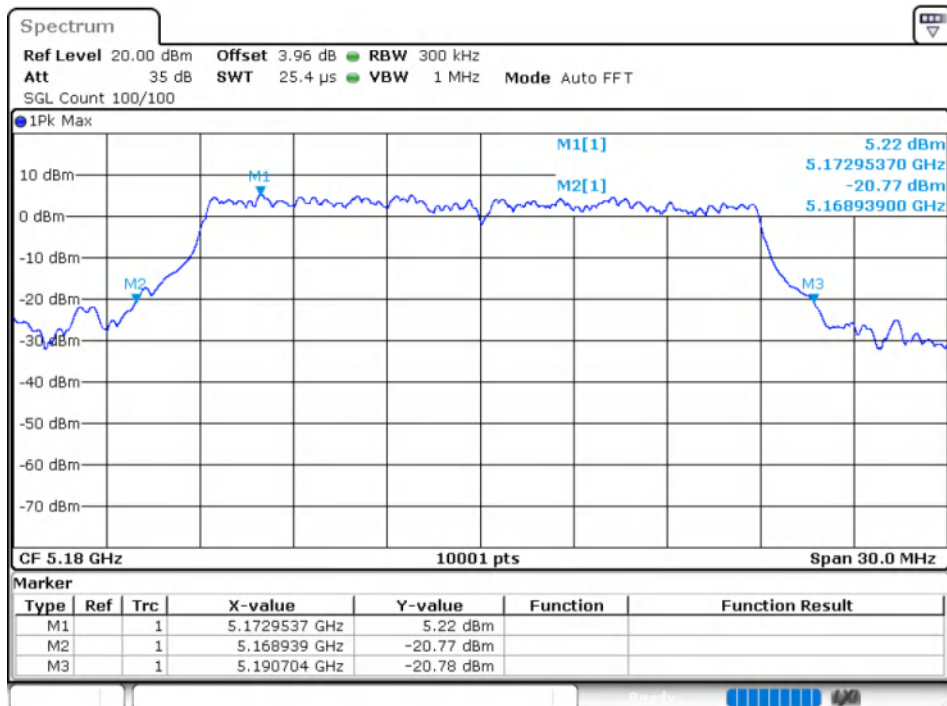
-26dB Bandwidth NVNT a 5200MHz Ant1



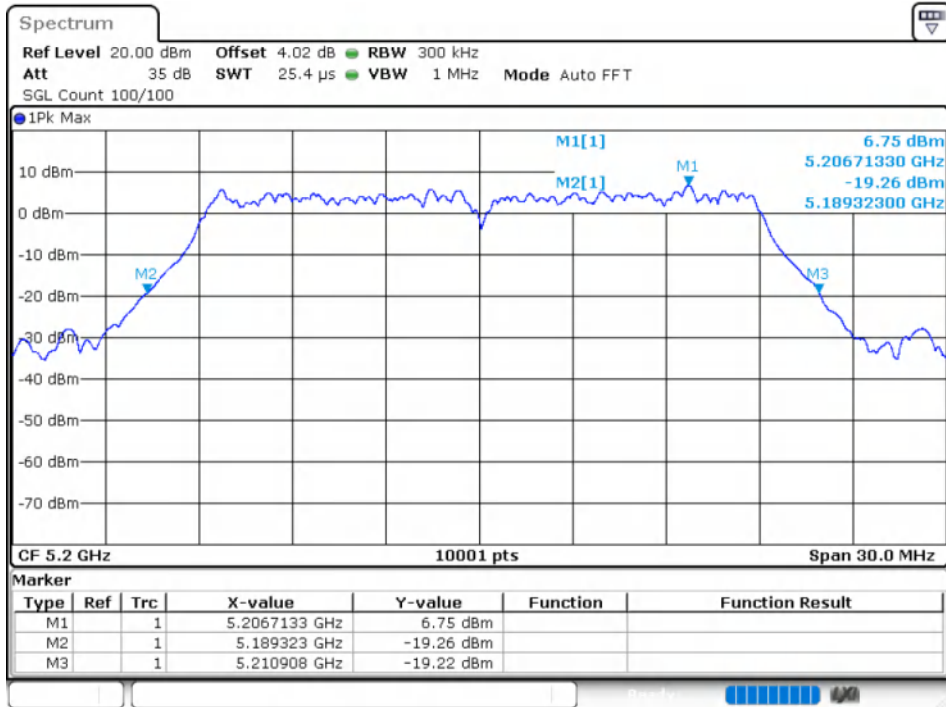
-26dB Bandwidth NVNT a 5240MHz Ant1



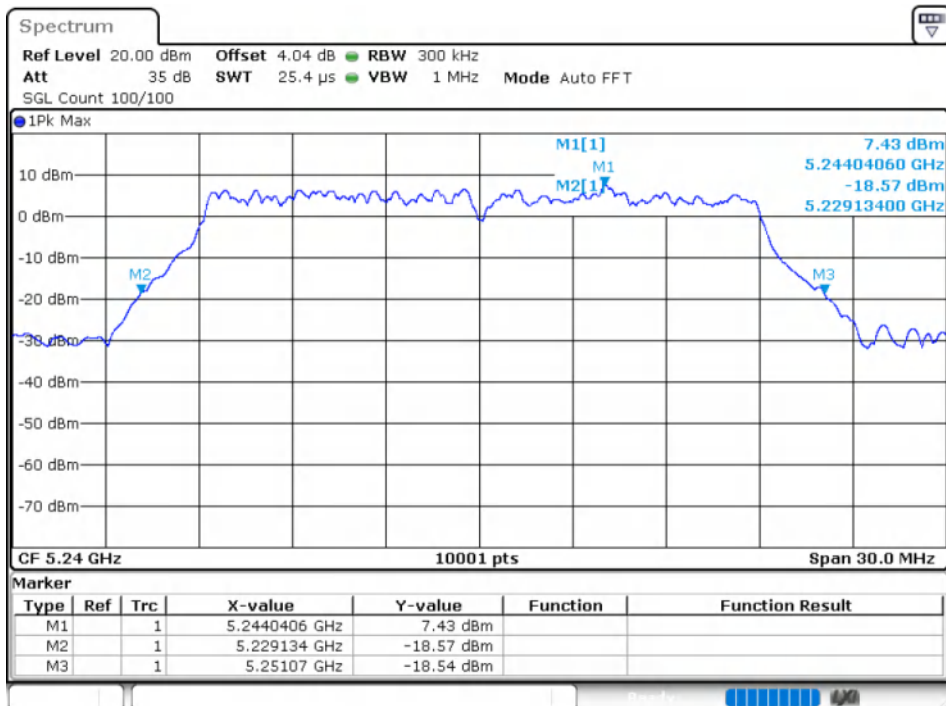
-26dB Bandwidth NVNT n20 5180MHz Ant1



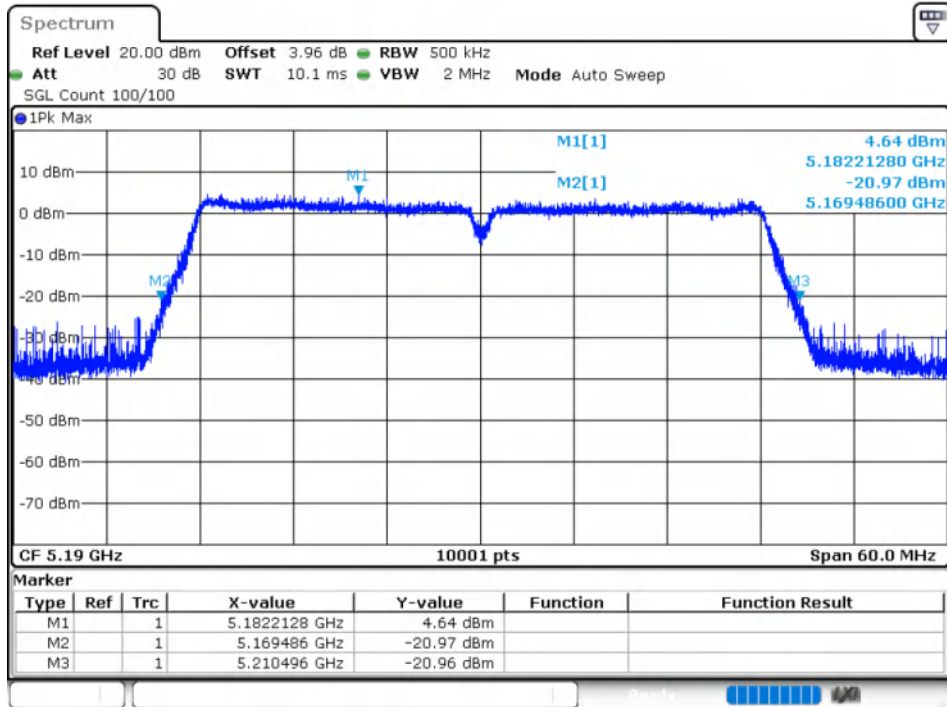
-26dB Bandwidth NVNT n20 5200MHz Ant1



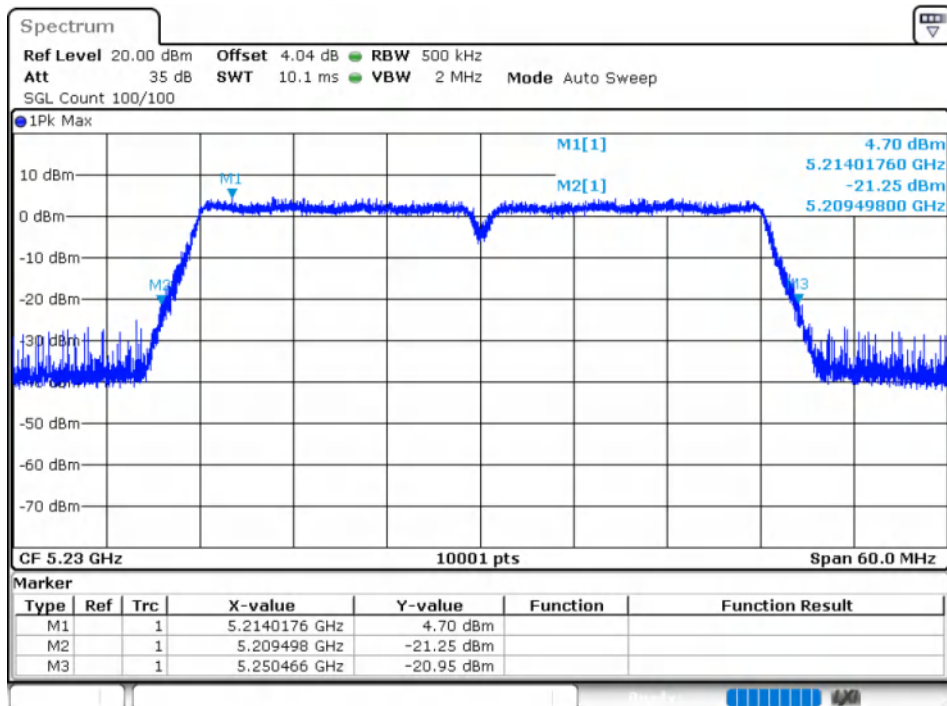
-26dB Bandwidth NVNT n20 5240MHz Ant1



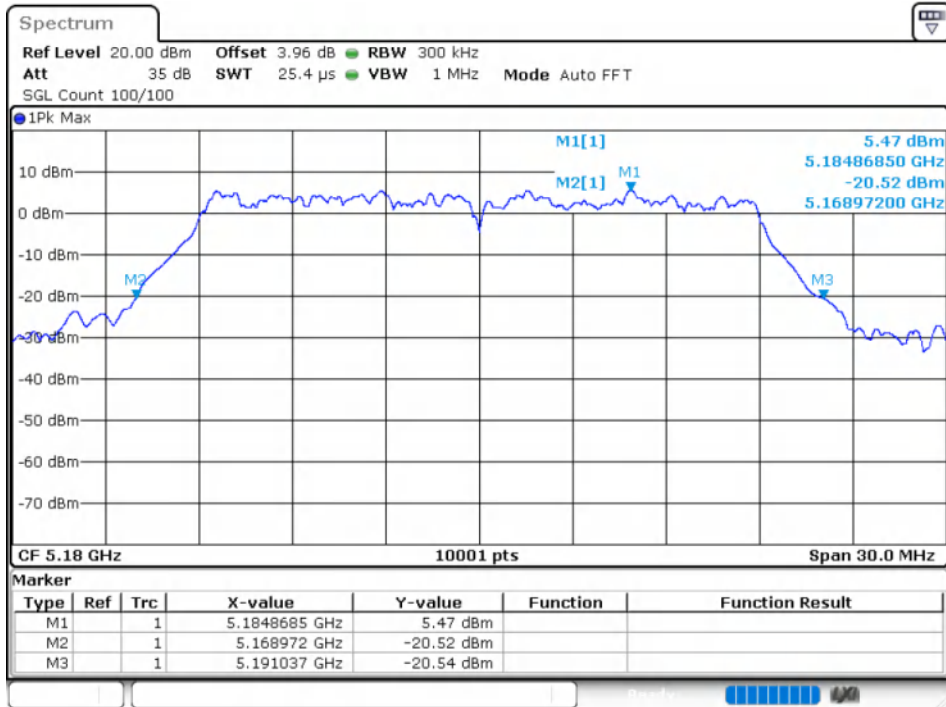
-26dB Bandwidth NVNT n40 5190MHz Ant1



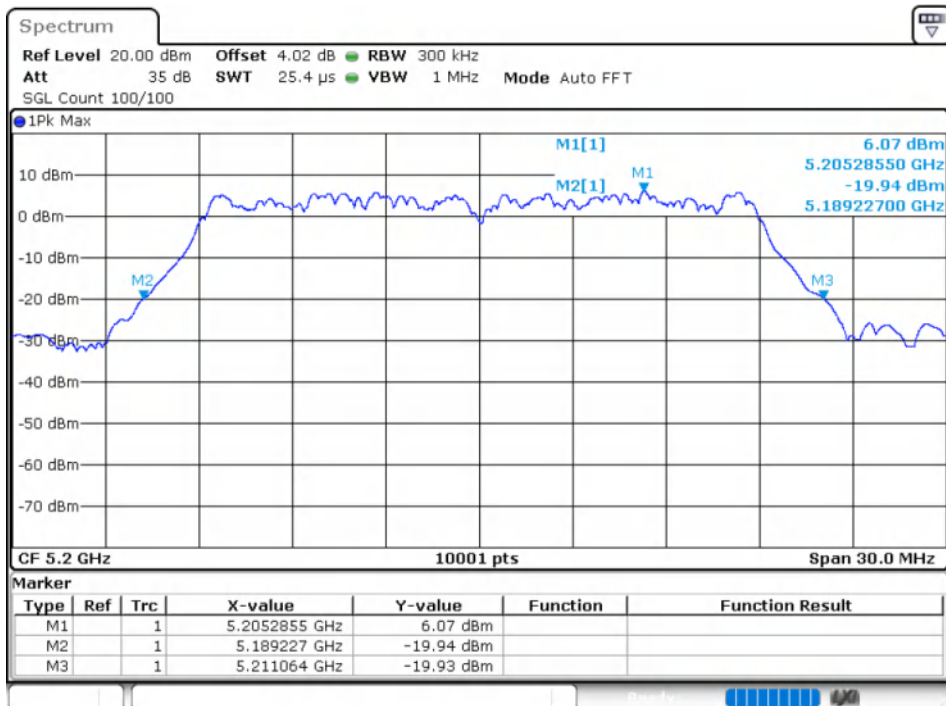
-26dB Bandwidth NVNT n40 5230MHz Ant1



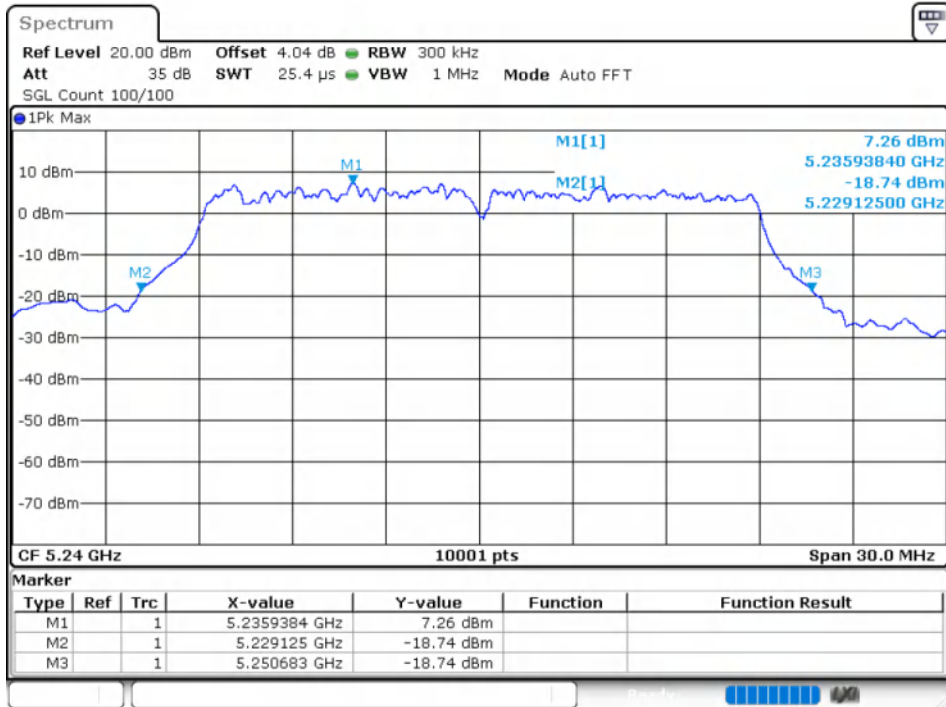
-26dB Bandwidth NVNT ac20 5180MHz Ant1



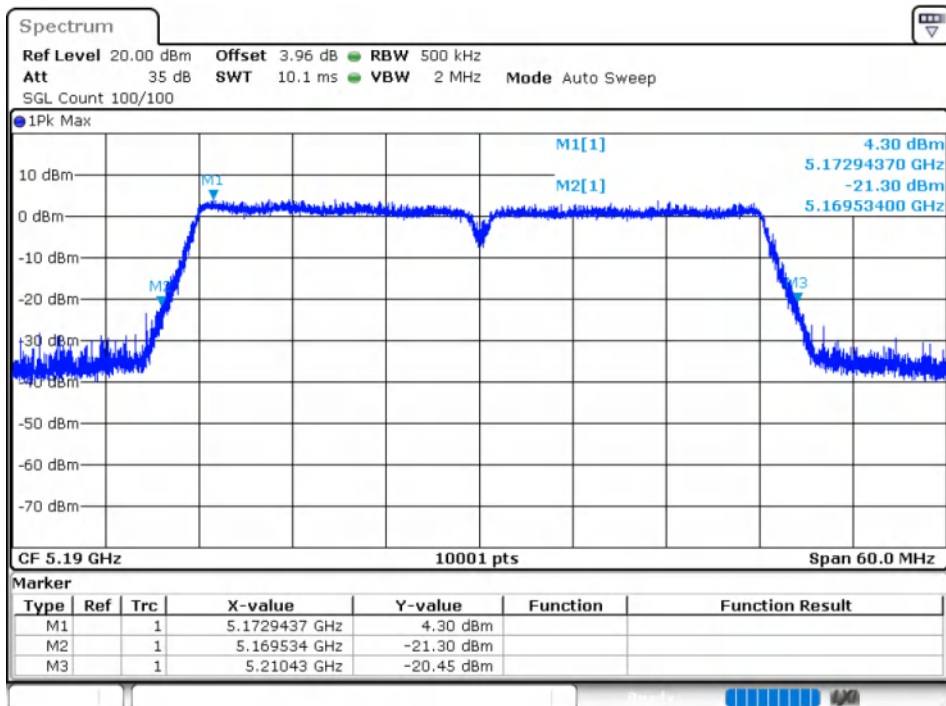
-26dB Bandwidth NVNT ac20 5200MHz Ant1



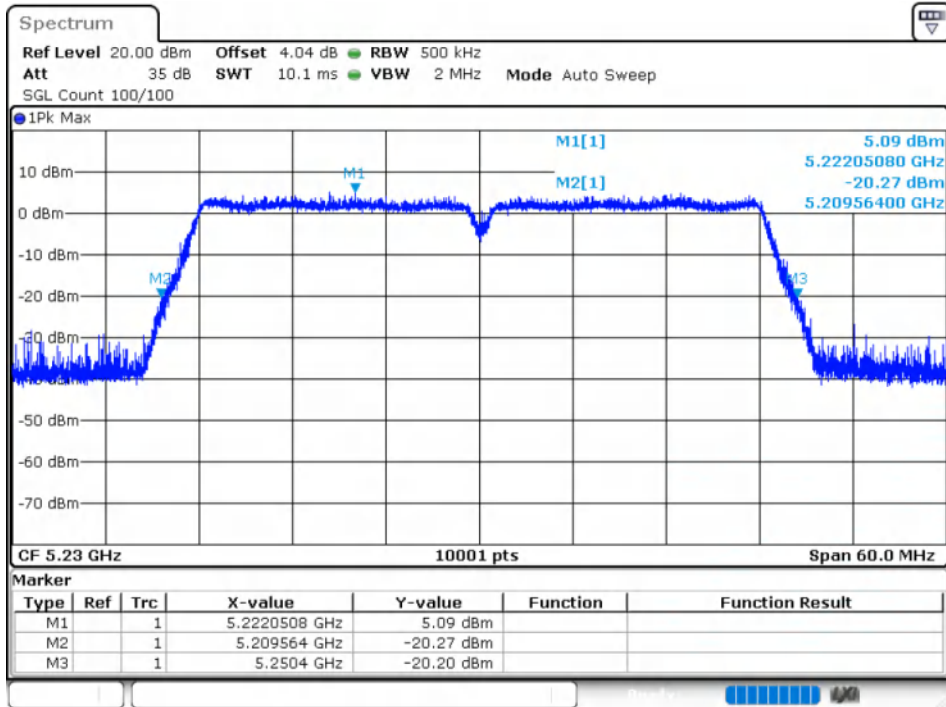
-26dB Bandwidth NVNT ac20 5240MHz Ant1



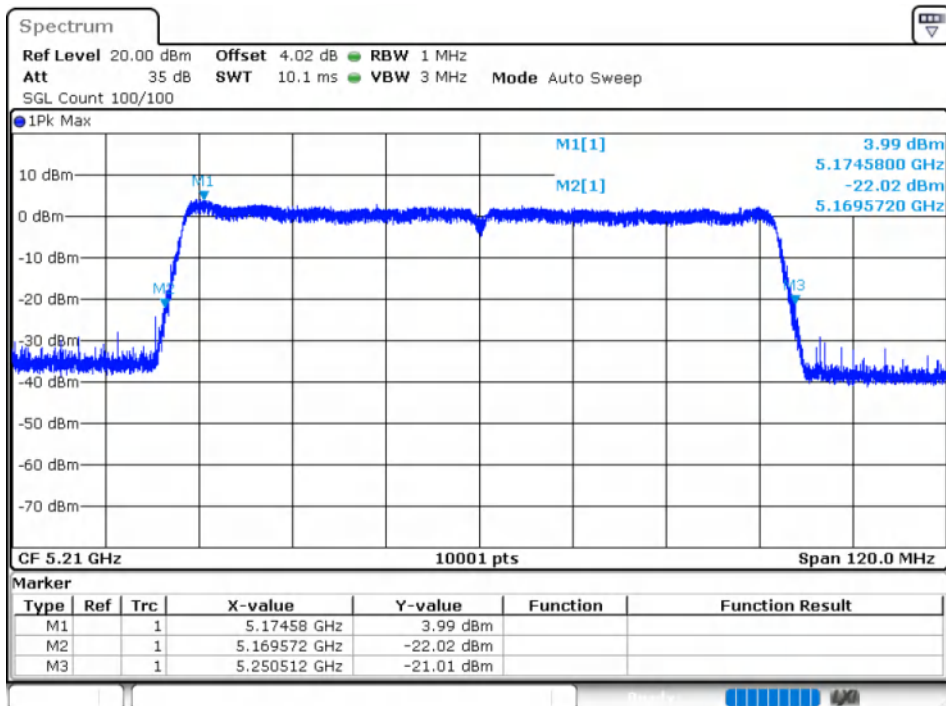
-26dB Bandwidth NVNT ac40 5190MHz Ant1



-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz Ant1

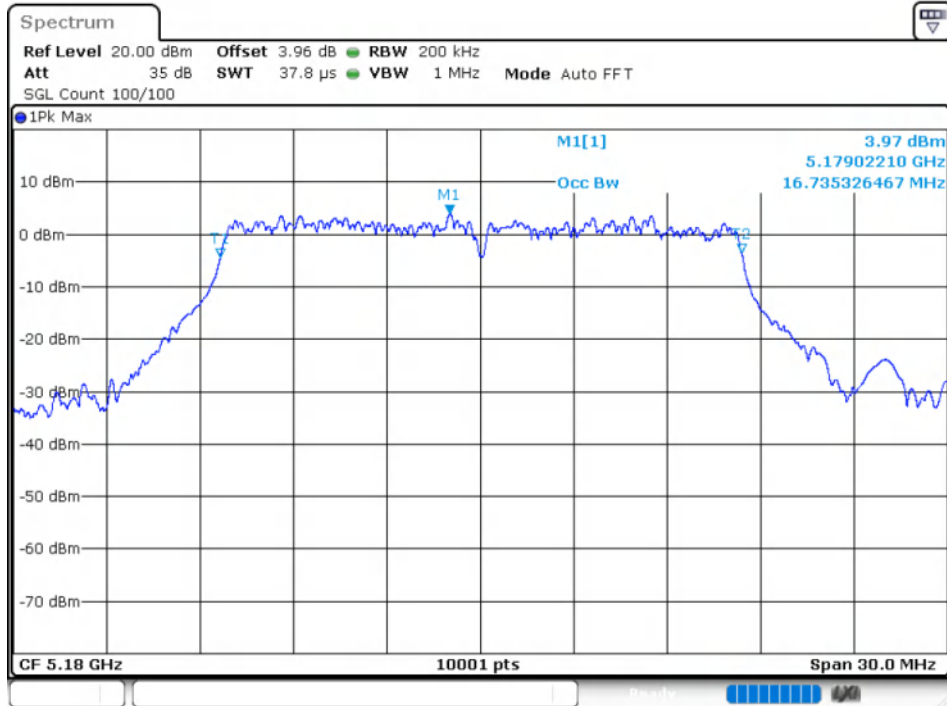


Occupied Channel Bandwidth

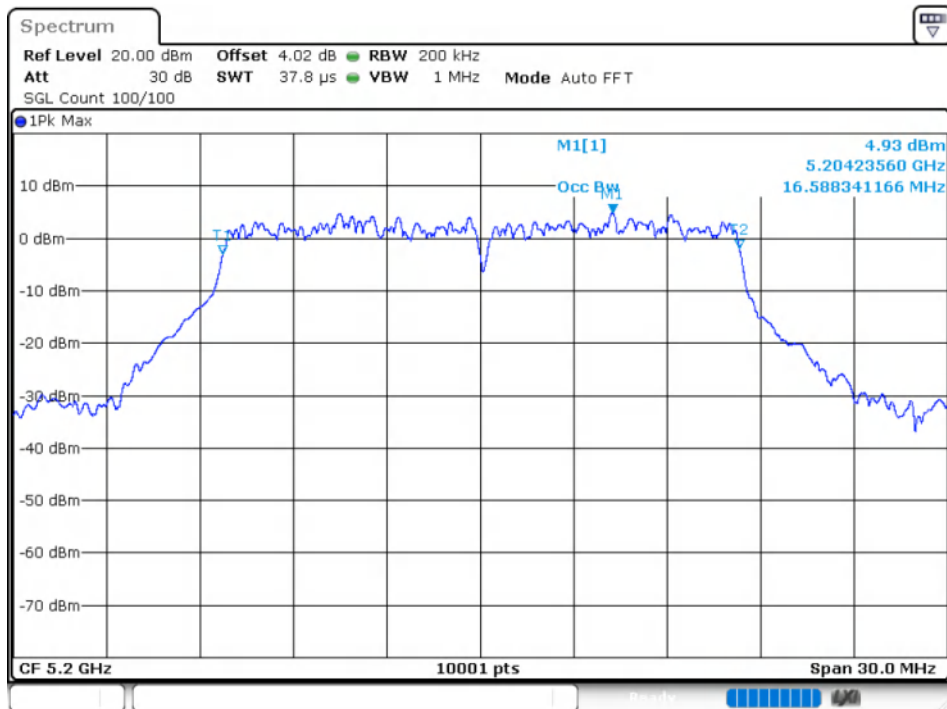
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.735
NVNT	a	5200	Ant1	16.588
NVNT	a	5240	Ant1	17.161
NVNT	n20	5180	Ant1	17.962
NVNT	n20	5200	Ant1	17.851
NVNT	n20	5240	Ant1	17.935
NVNT	n40	5190	Ant1	36.59
NVNT	n40	5230	Ant1	36.542
NVNT	ac20	5180	Ant1	17.971
NVNT	ac20	5200	Ant1	18.082
NVNT	ac20	5240	Ant1	17.905
NVNT	ac40	5190	Ant1	36.614
NVNT	ac40	5230	Ant1	36.554
NVNT	ac80	5210	Ant1	75.676

Test Graphs

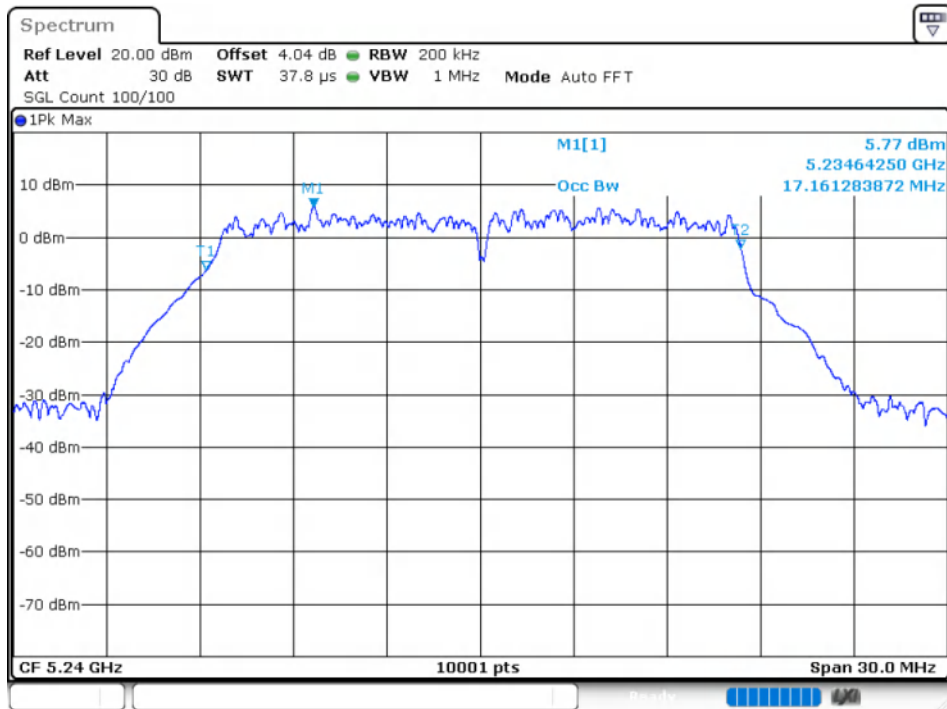
OBW NVNT a 5180MHz Ant1



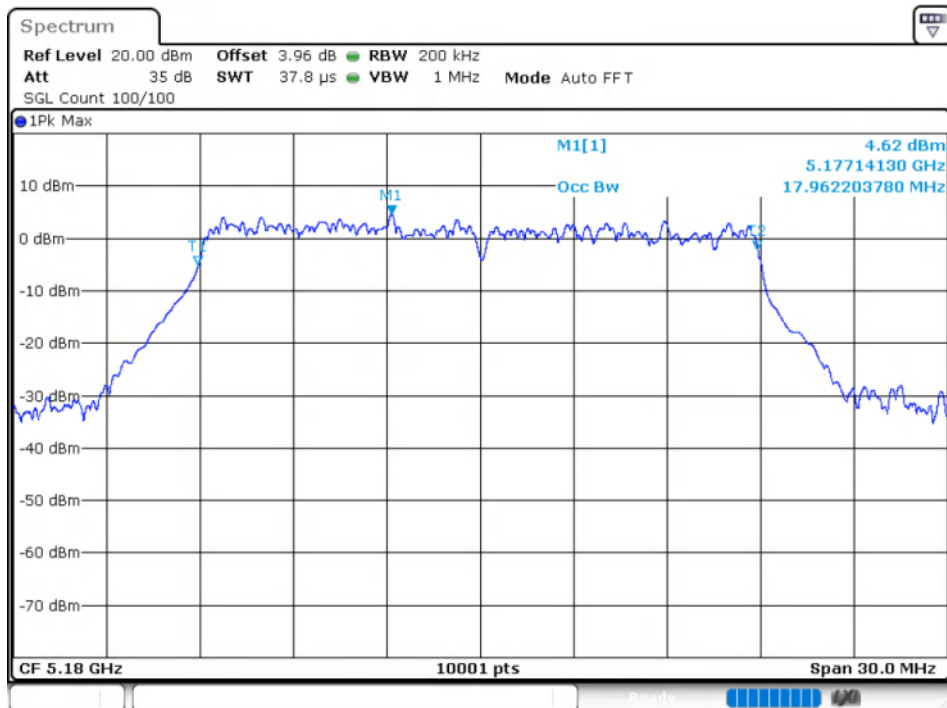
OBW NVNT a 5200MHz Ant1

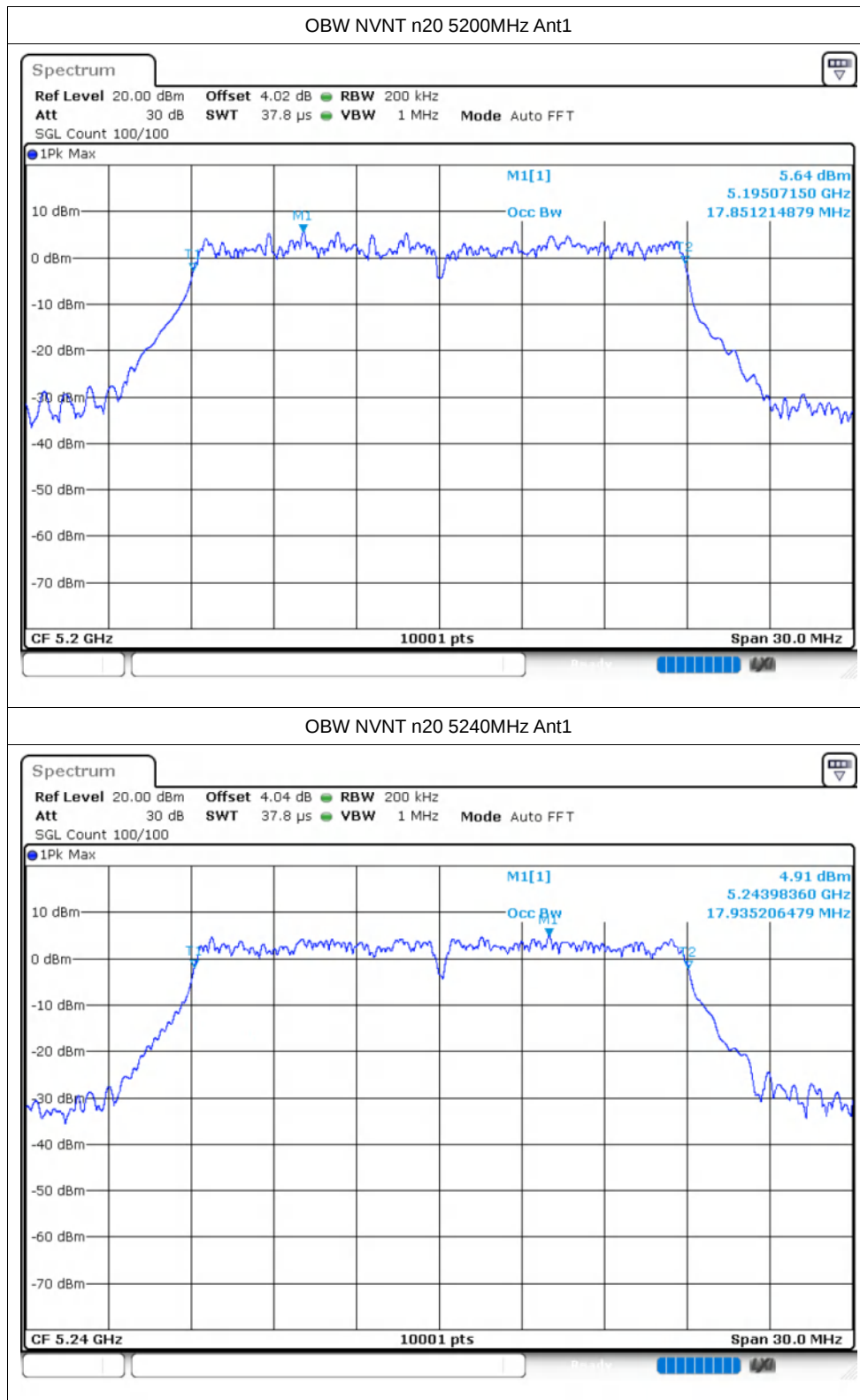


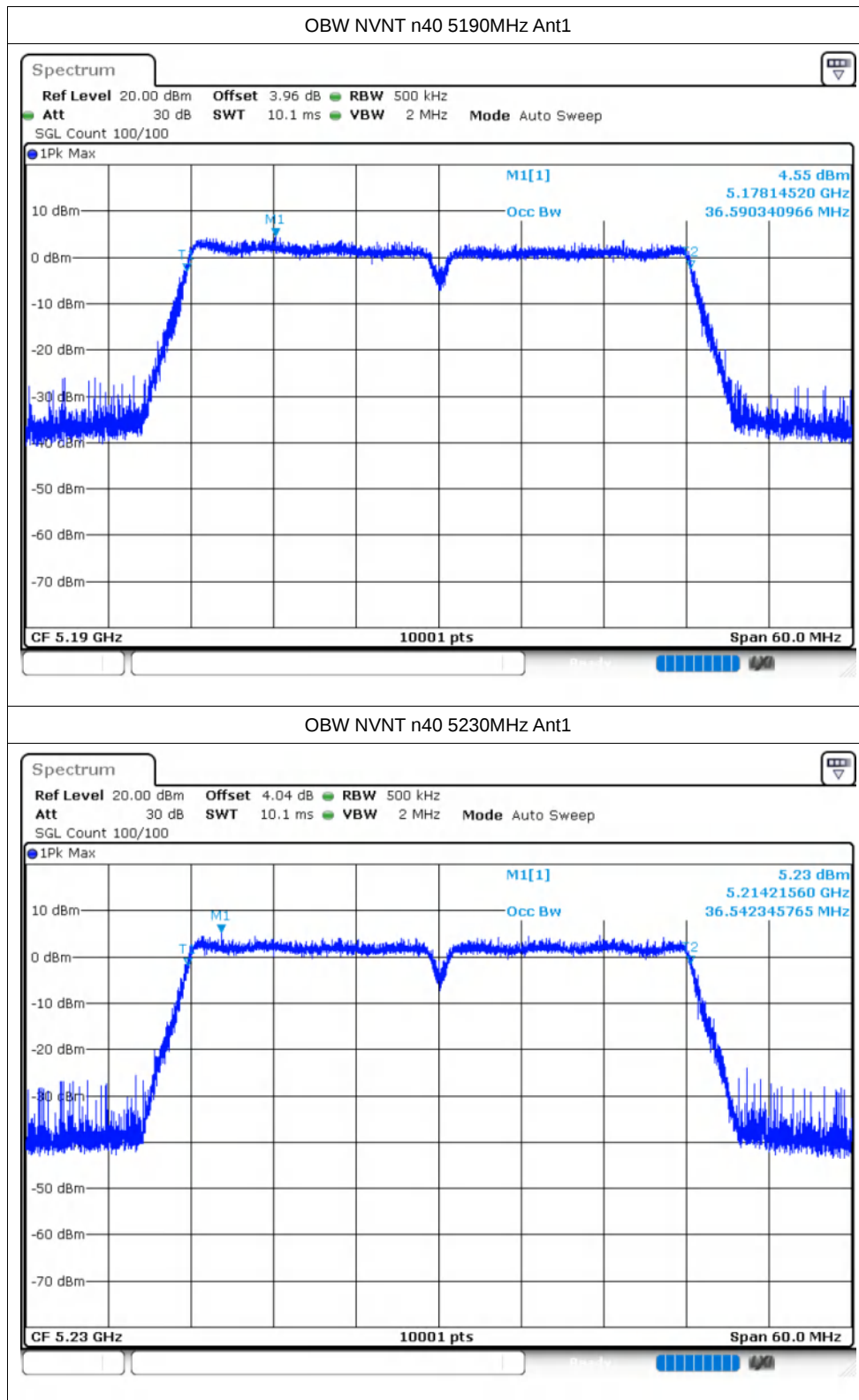
OBW NVNT a 5240MHz Ant1

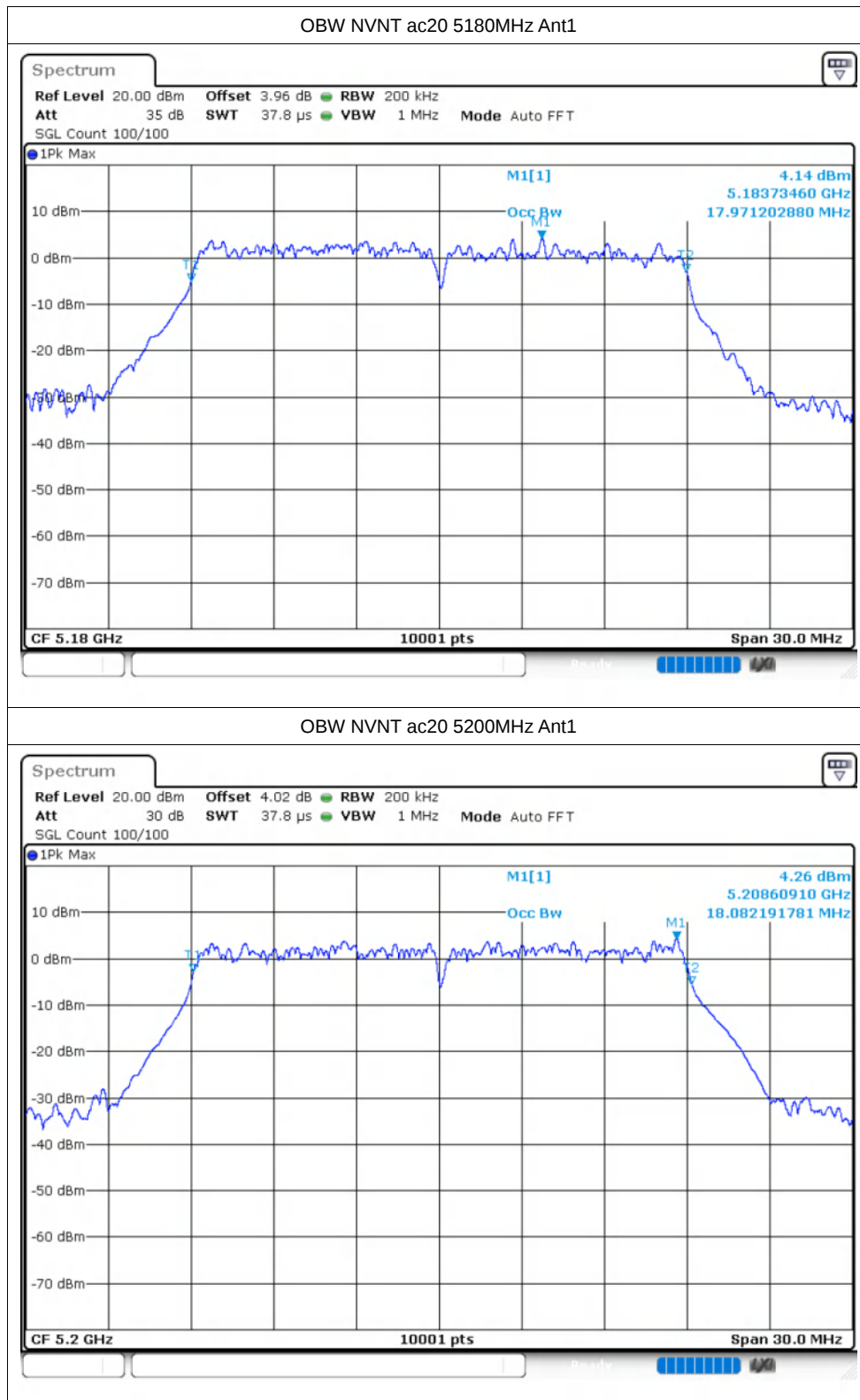


OBW NVNT n20 5180MHz Ant1

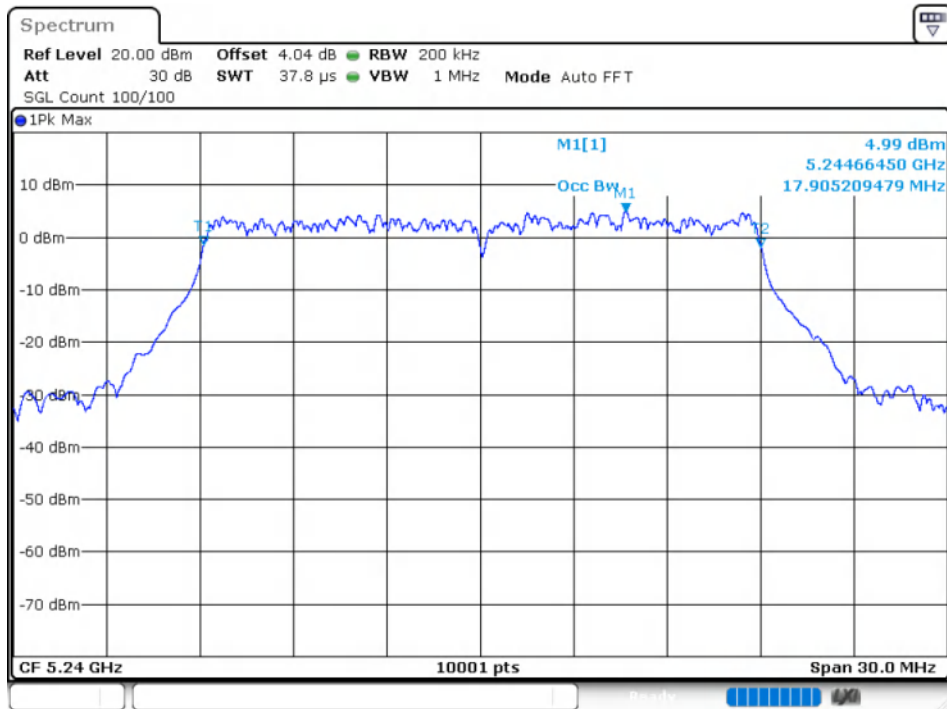




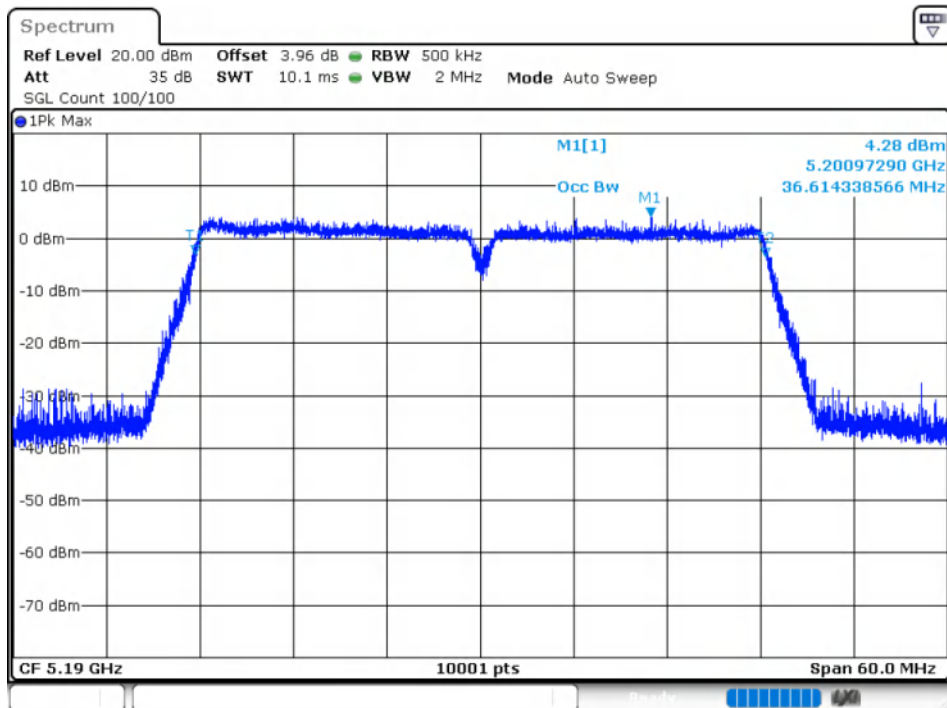


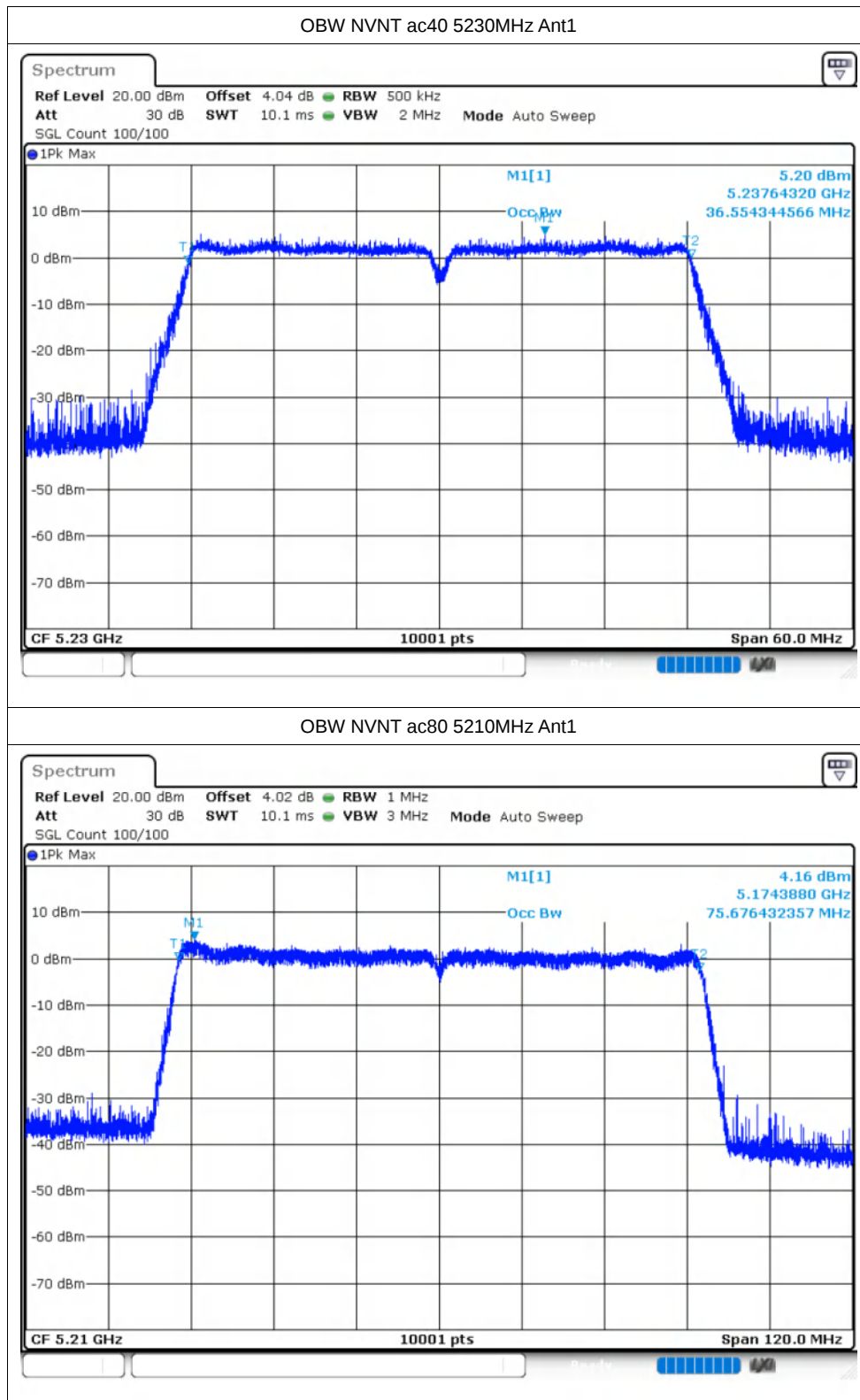


OBW NVNT ac20 5240MHz Ant1



OBW NVNT ac40 5190MHz Ant1



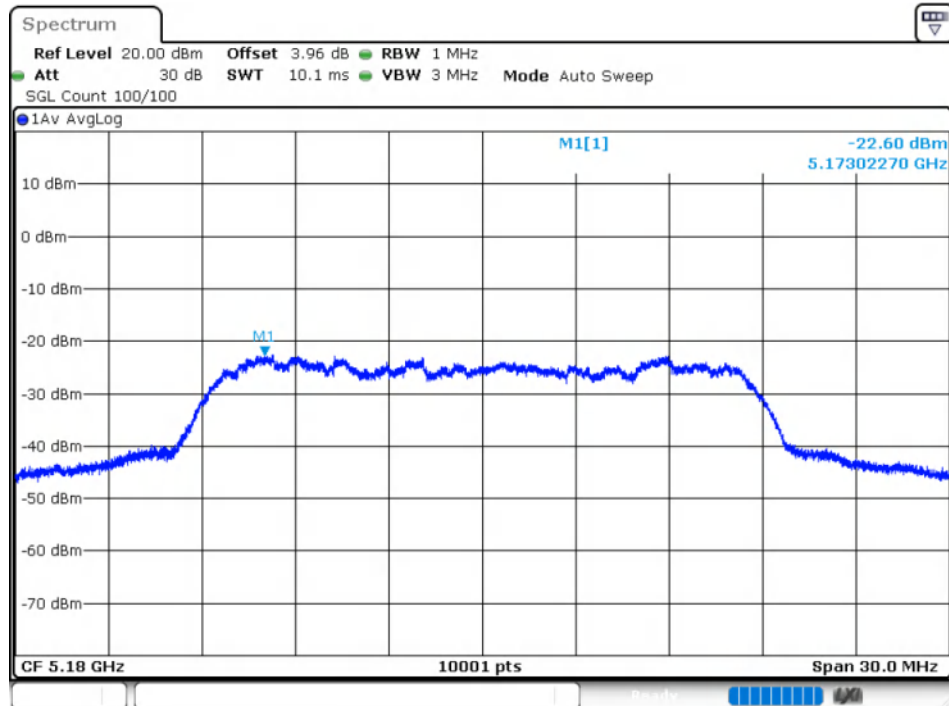


Maximum Power Spectral Density Level

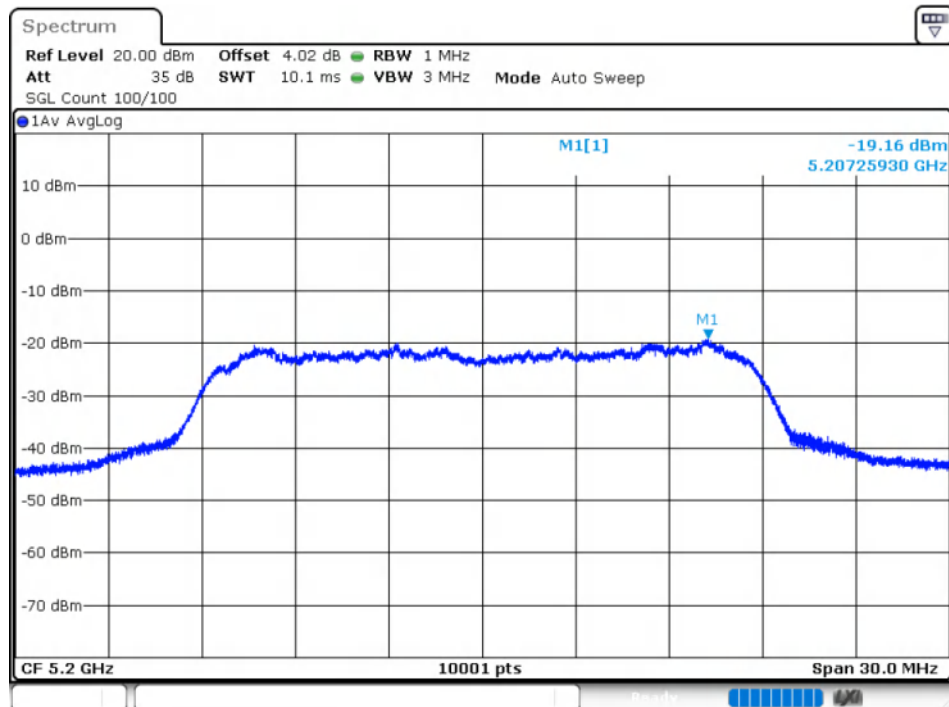
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-22.6	2.63	-19.97	11	Pass
NVNT	a	5200	Ant1	-19.16	2.81	-16.35	11	Pass
NVNT	a	5240	Ant1	-21.93	2.86	-19.07	11	Pass
NVNT	n20	5180	Ant1	-22.74	2.82	-19.92	11	Pass
NVNT	n20	5200	Ant1	-20.5	2.92	-17.58	11	Pass
NVNT	n20	5240	Ant1	-17.57	2.81	-14.76	11	Pass
NVNT	n40	5190	Ant1	-25.49	3.09	-22.4	11	Pass
NVNT	n40	5230	Ant1	-23.81	3.05	-20.76	11	Pass
NVNT	ac20	5180	Ant1	-22.06	2.91	-19.15	11	Pass
NVNT	ac20	5200	Ant1	-22.57	2.96	-19.61	11	Pass
NVNT	ac20	5240	Ant1	-21.88	2.78	-19.1	11	Pass
NVNT	ac40	5190	Ant1	-24.33	2.95	-21.38	11	Pass
NVNT	ac40	5230	Ant1	-26.11	2.91	-23.2	11	Pass
NVNT	ac80	5210	Ant1	-28.6	3.45	-25.15	11	Pass

Test Graphs

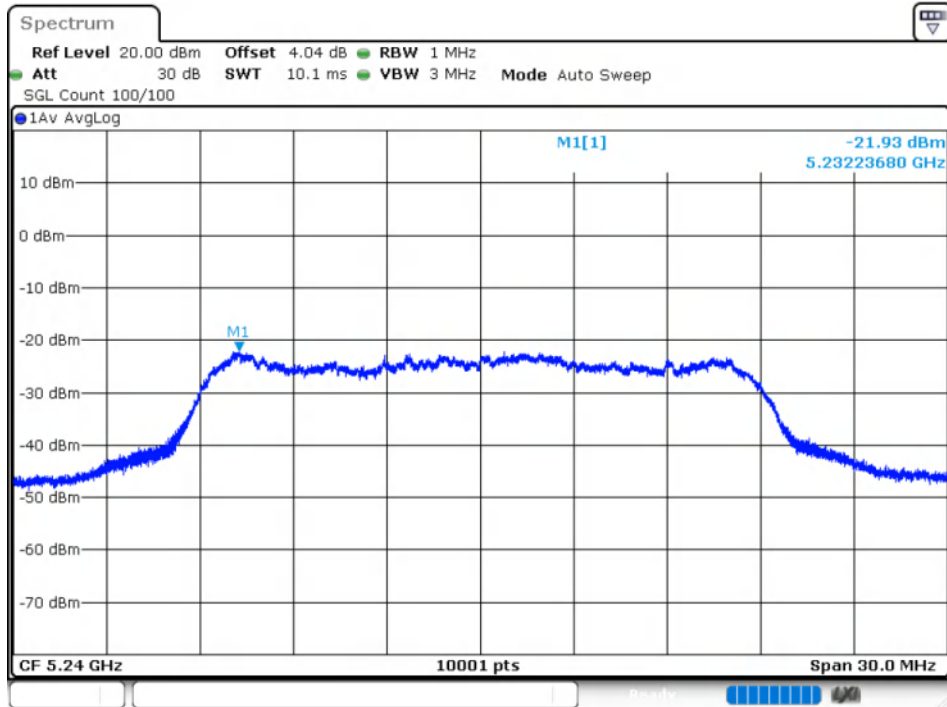
PSD NVNT a 5180MHz Ant1



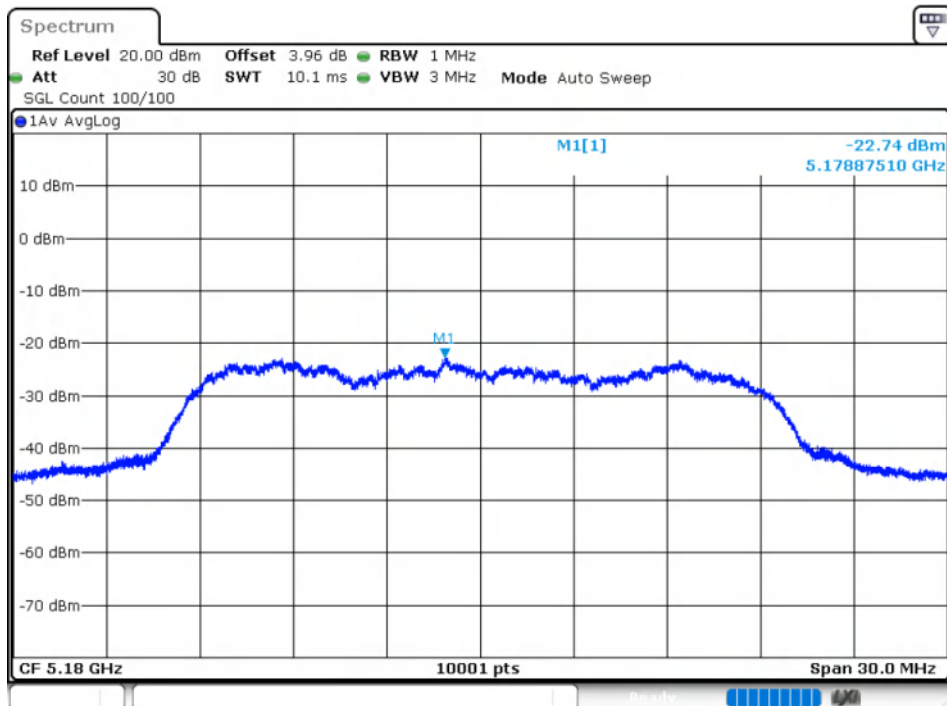
PSD NVNT a 5200MHz Ant1

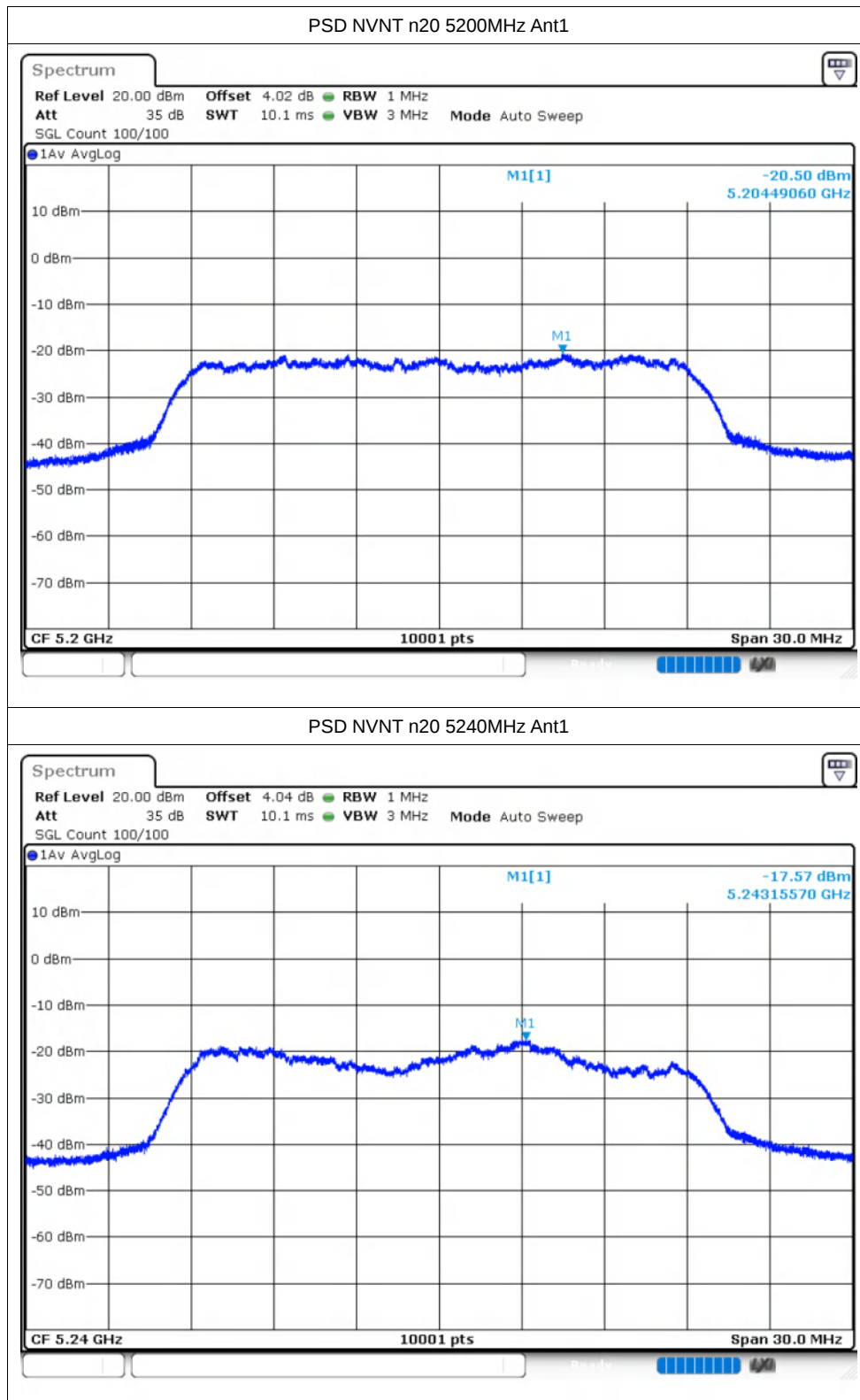


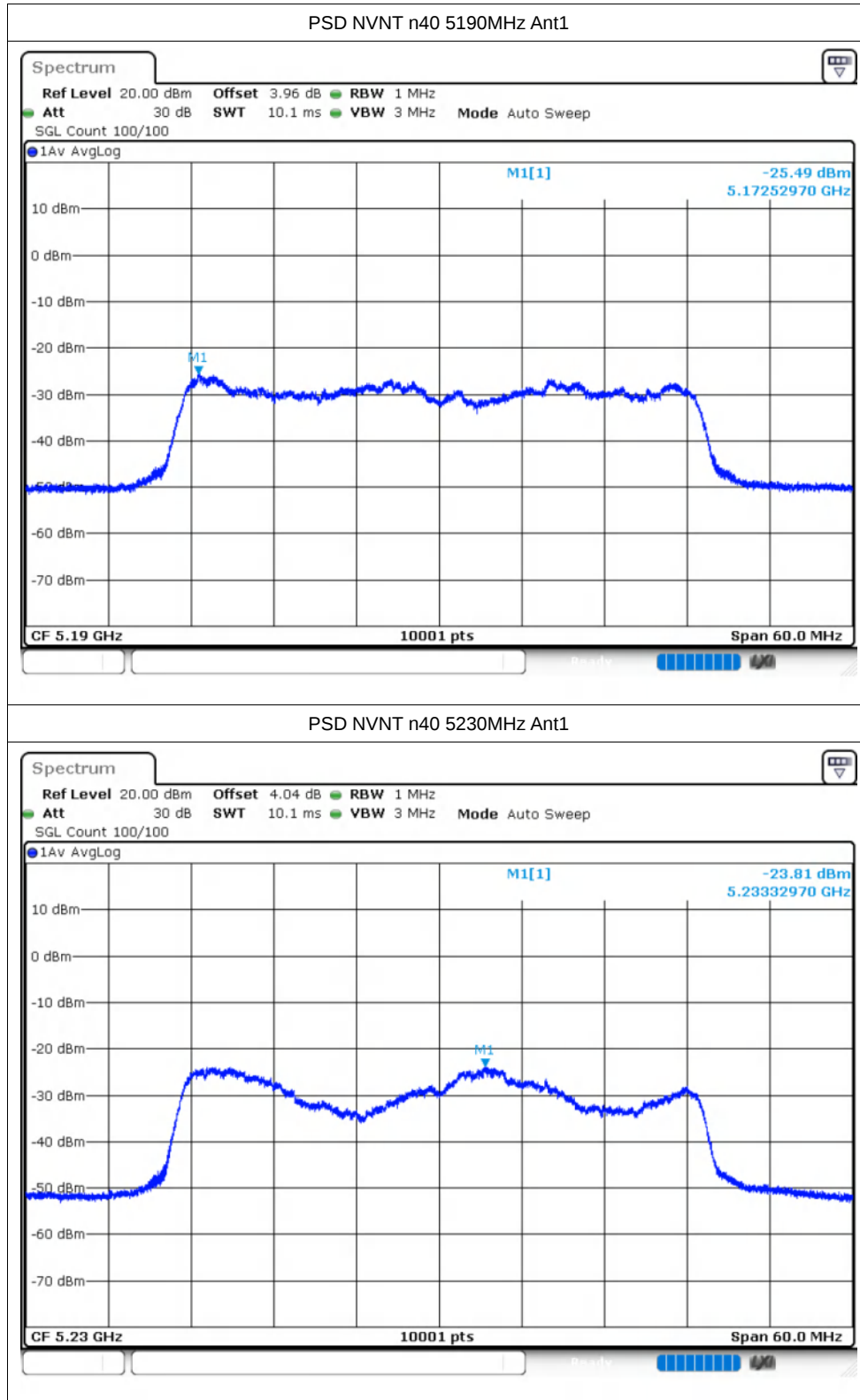
PSD NVNT a 5240MHz Ant1

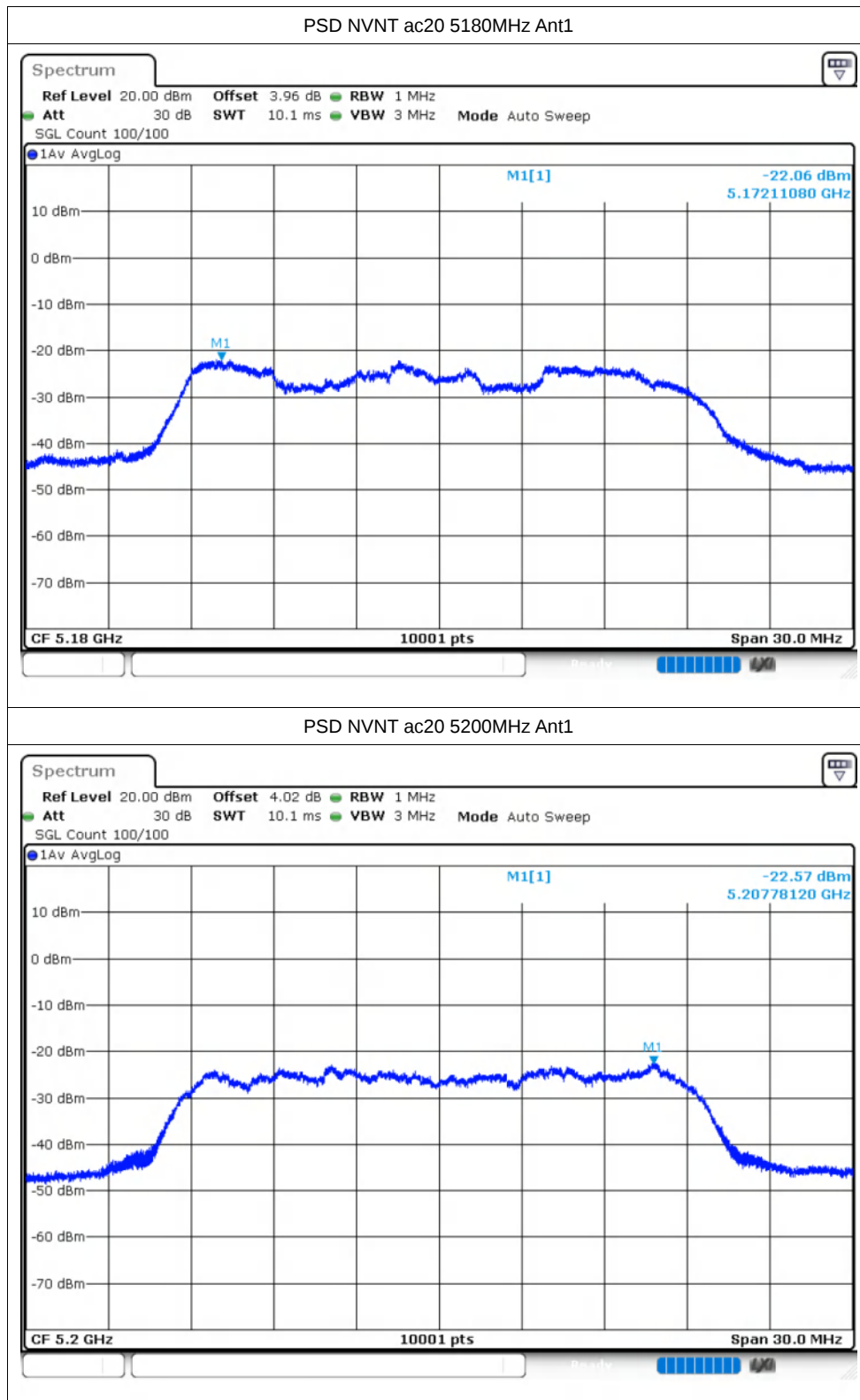


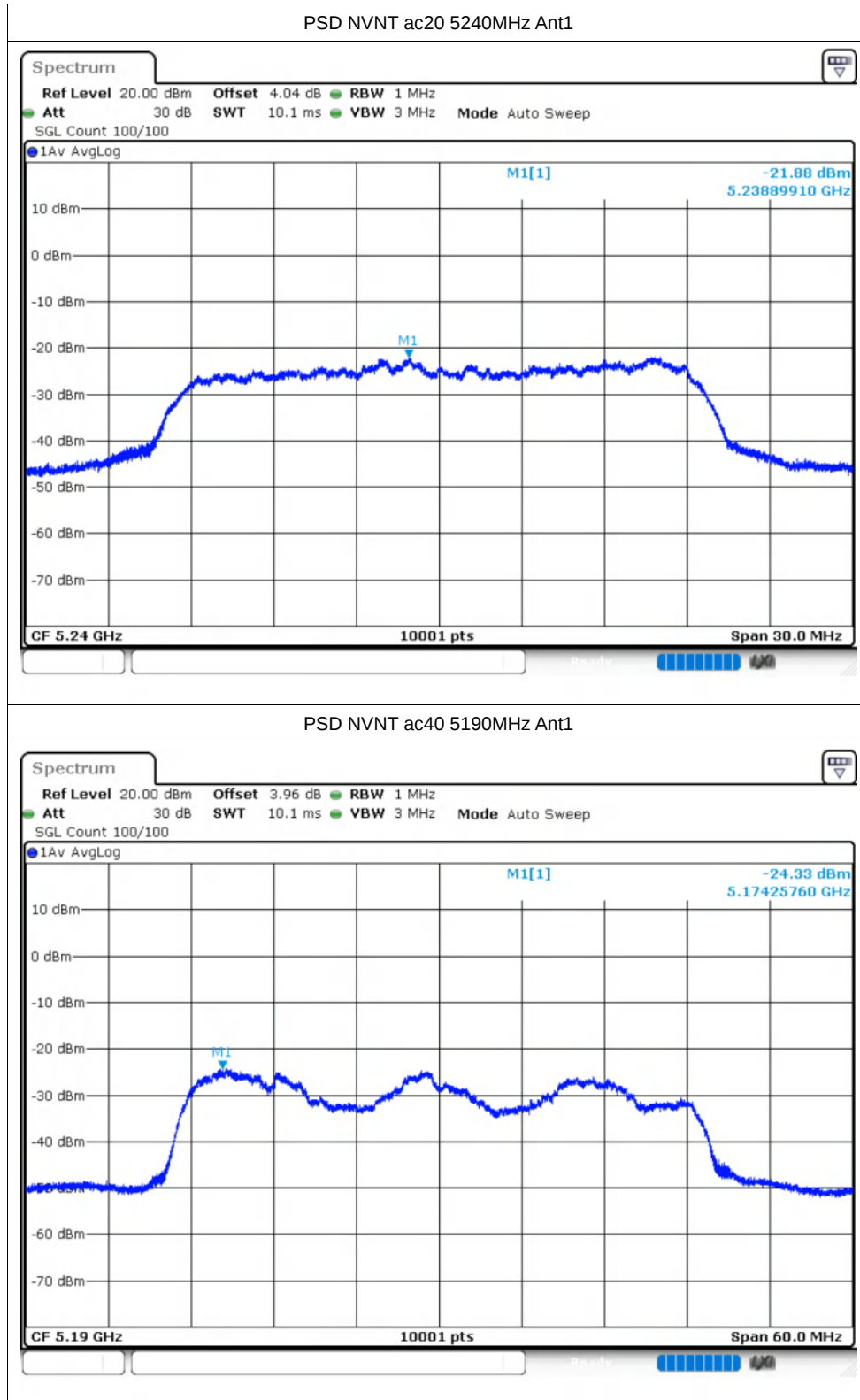
PSD NVNT n20 5180MHz Ant1

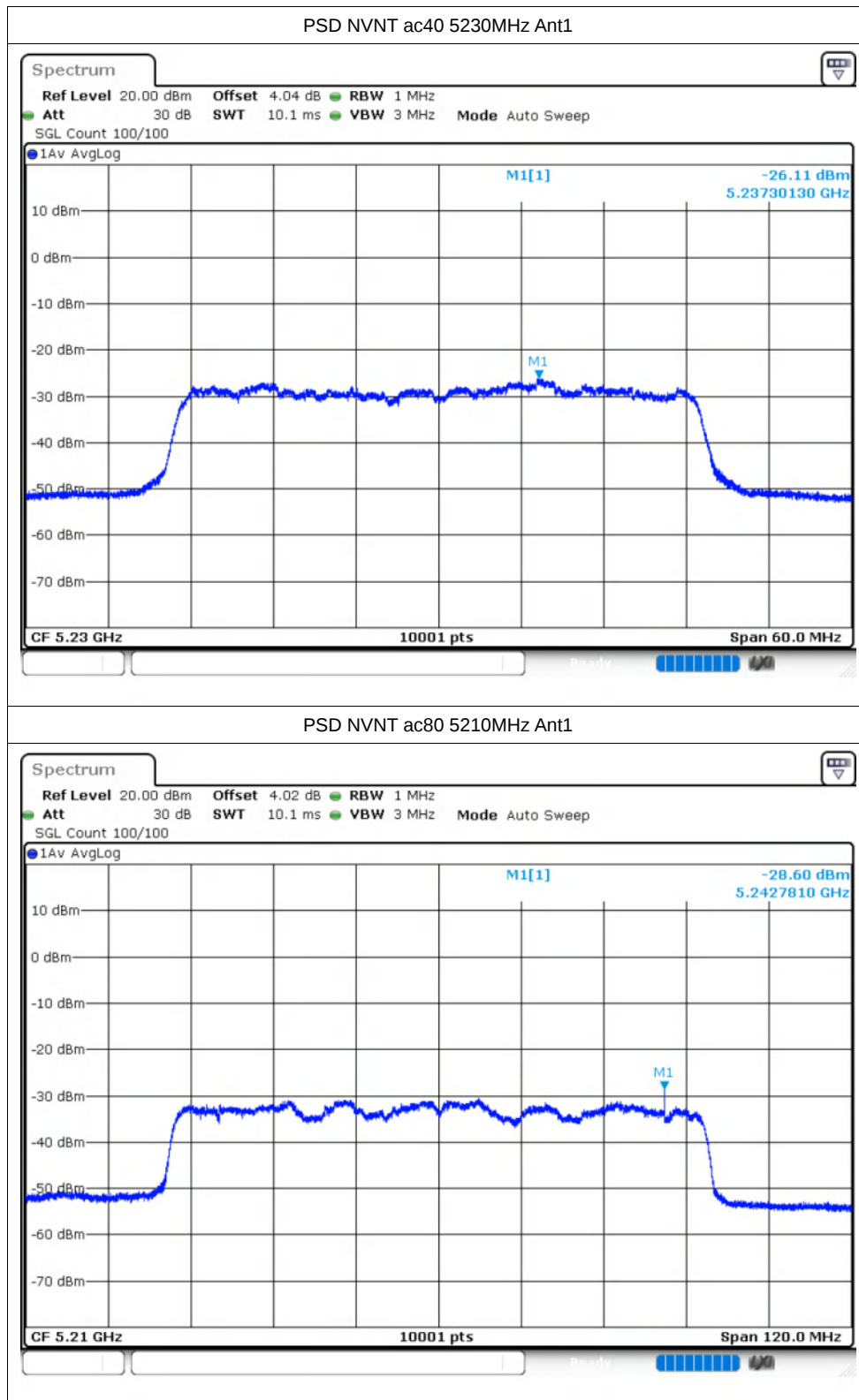










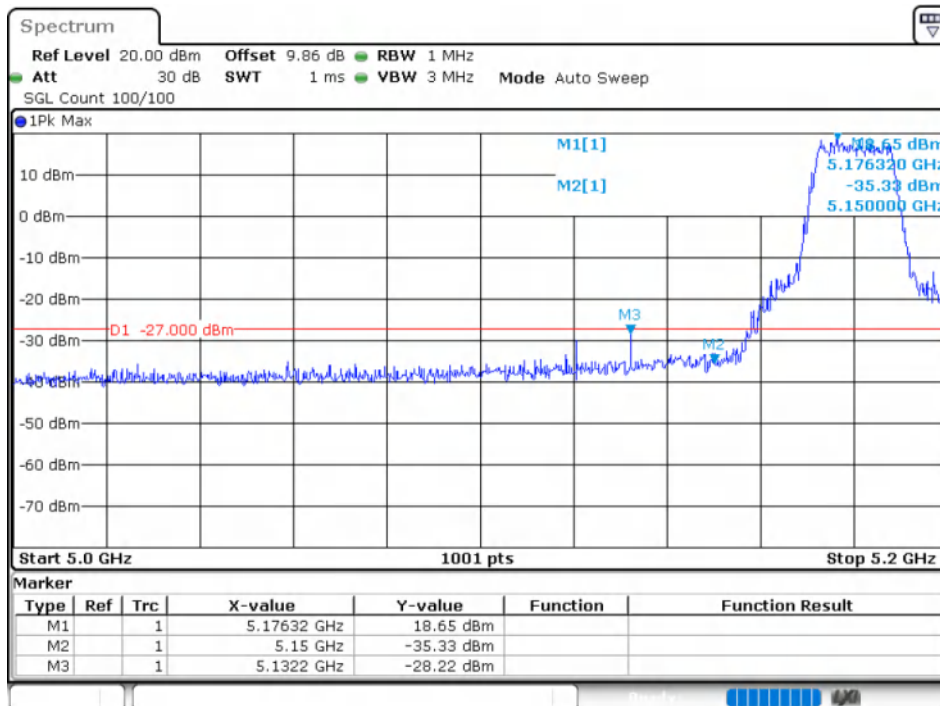


Band Edge

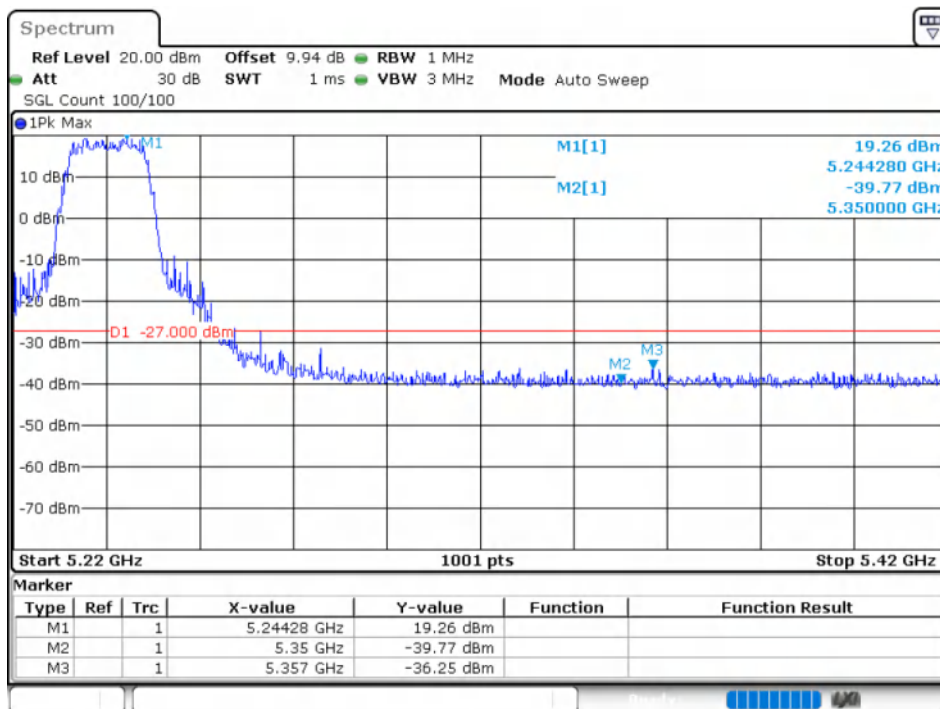
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-28.21	-27	Pass
NVNT	a	5240	Ant1	-36.25	-27	Pass
NVNT	n20	5180	Ant1	-27.17	-27	Pass
NVNT	n20	5240	Ant1	-36.11	-27	Pass
NVNT	n40	5190	Ant1	-27.99	-27	Pass
NVNT	n40	5230	Ant1	-36.84	-27	Pass
NVNT	ac20	5180	Ant1	-31.21	-27	Pass
NVNT	ac20	5240	Ant1	-36.65	-27	Pass
NVNT	ac40	5190	Ant1	-27.82	-27	Pass
NVNT	ac40	5230	Ant1	-36.41	-27	Pass
NVNT	ac80	5210	Ant1	-36.84	-27	Pass
NVNT	ac80	5210	Ant1	-27.11	-27	Pass

Test Graphs

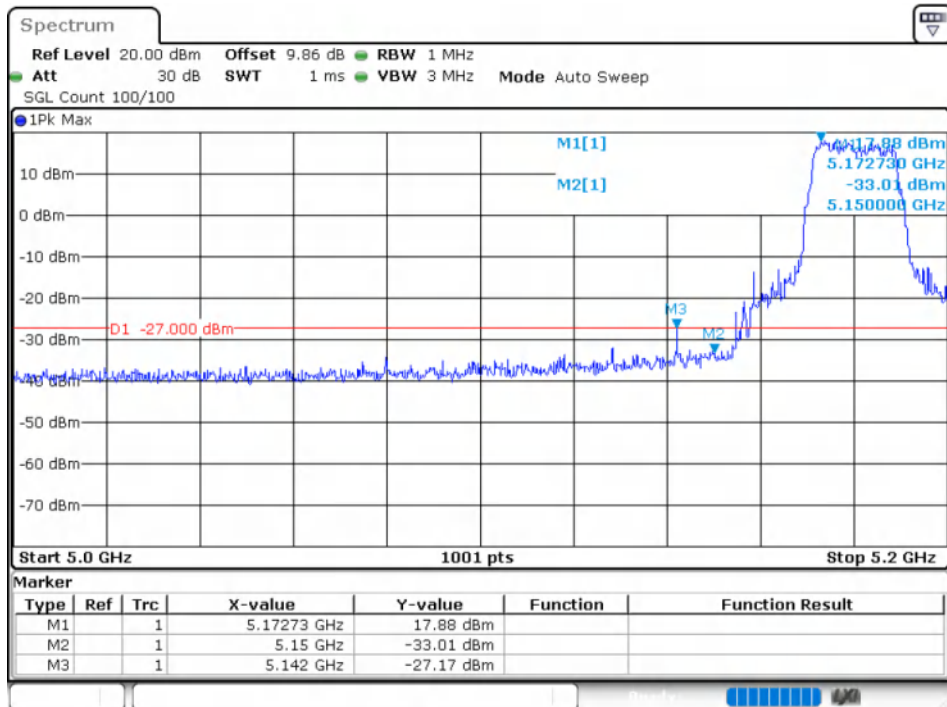
Band Edge NVNT a 5180MHz Low Ant1



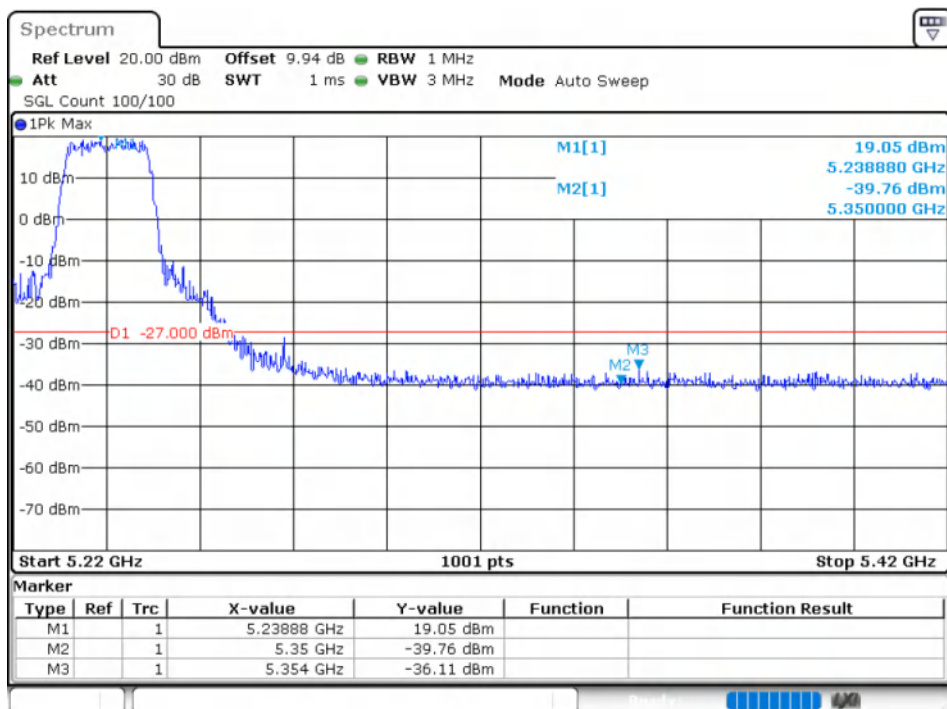
Band Edge NVNT a 5240MHz High Ant1



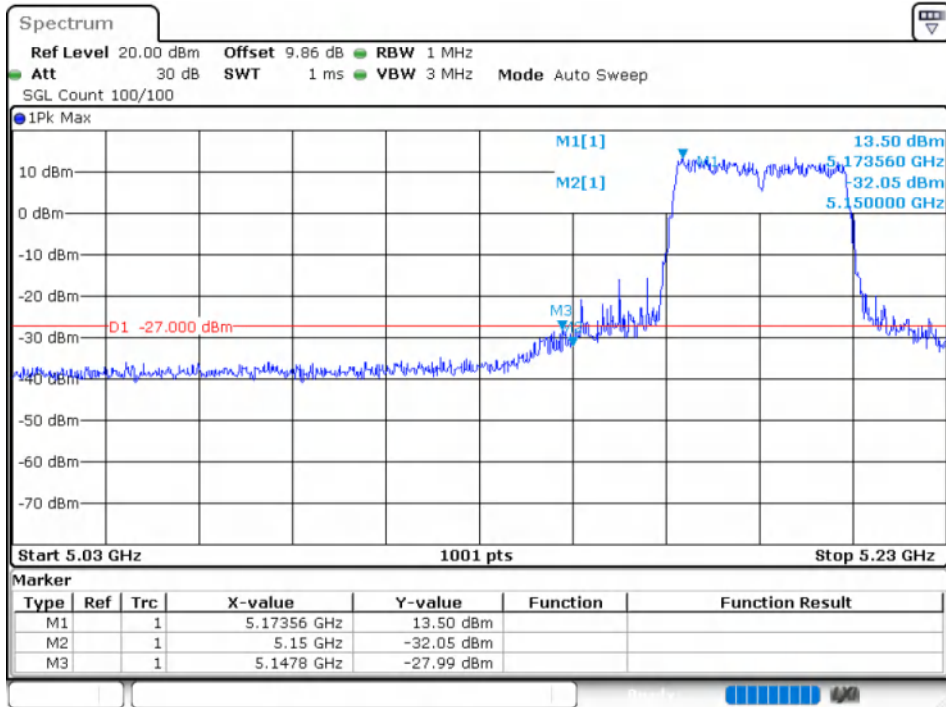
Band Edge NVNT n20 5180MHz Low Ant1



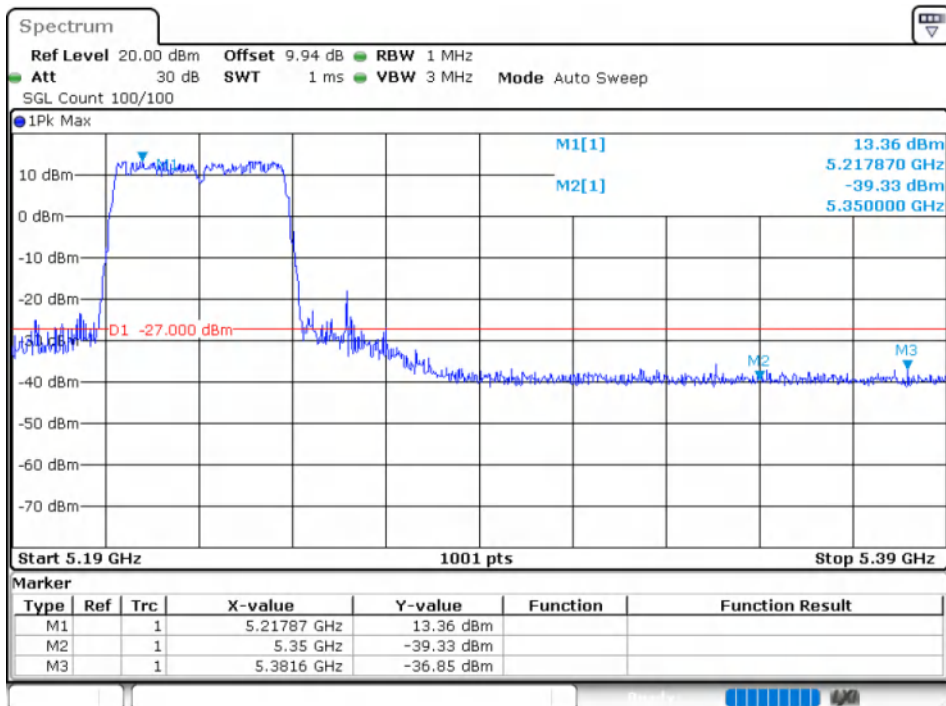
Band Edge NVNT n20 5240MHz High Ant1



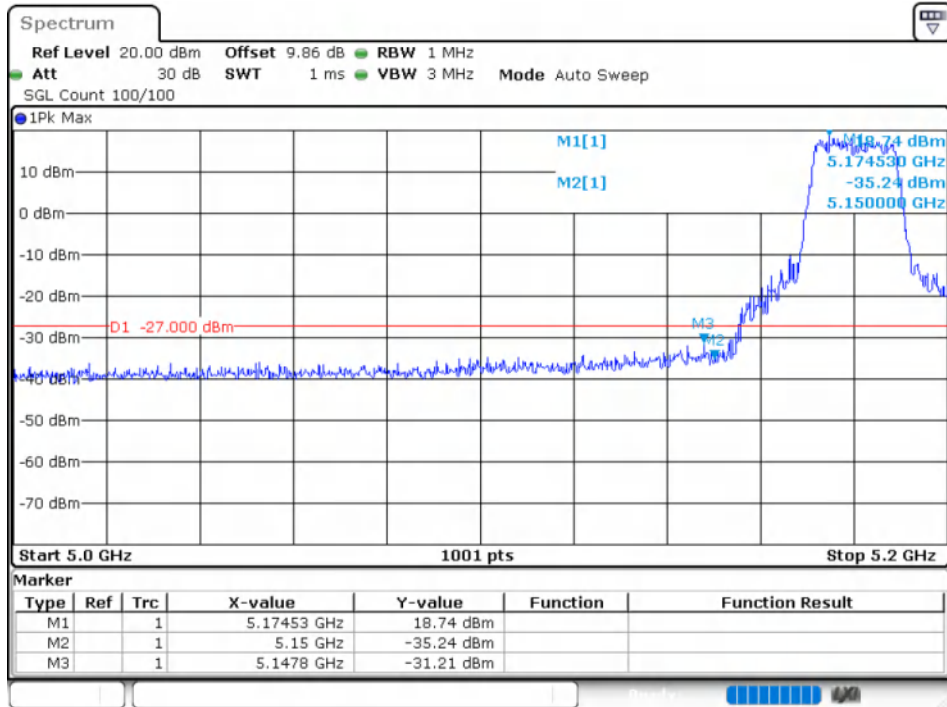
Band Edge NVNT n40 5190MHz Low Ant1



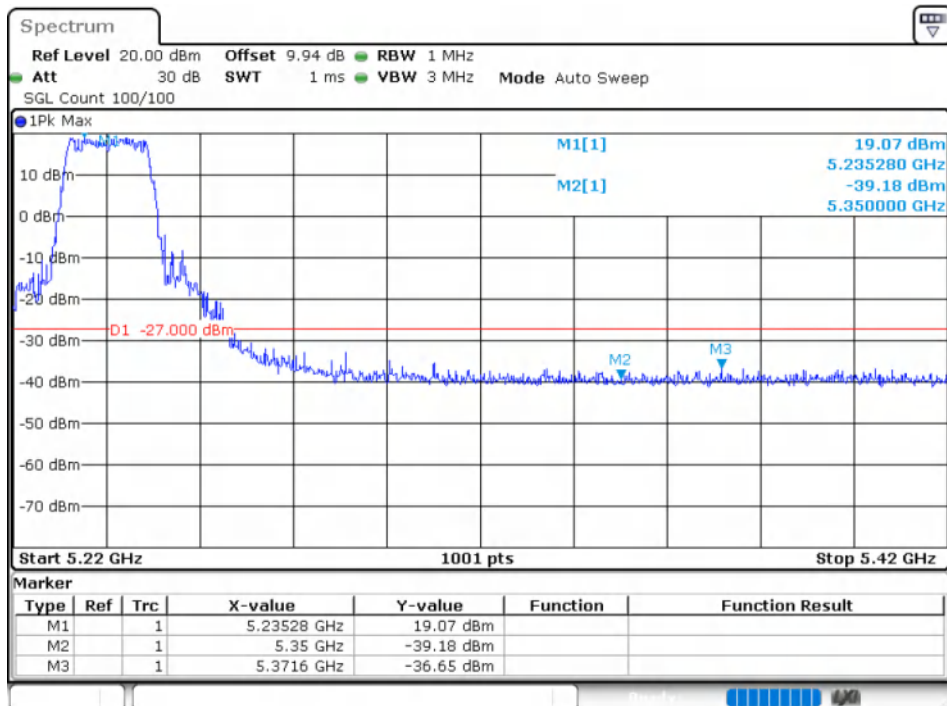
Band Edge NVNT n40 5230MHz High Ant1



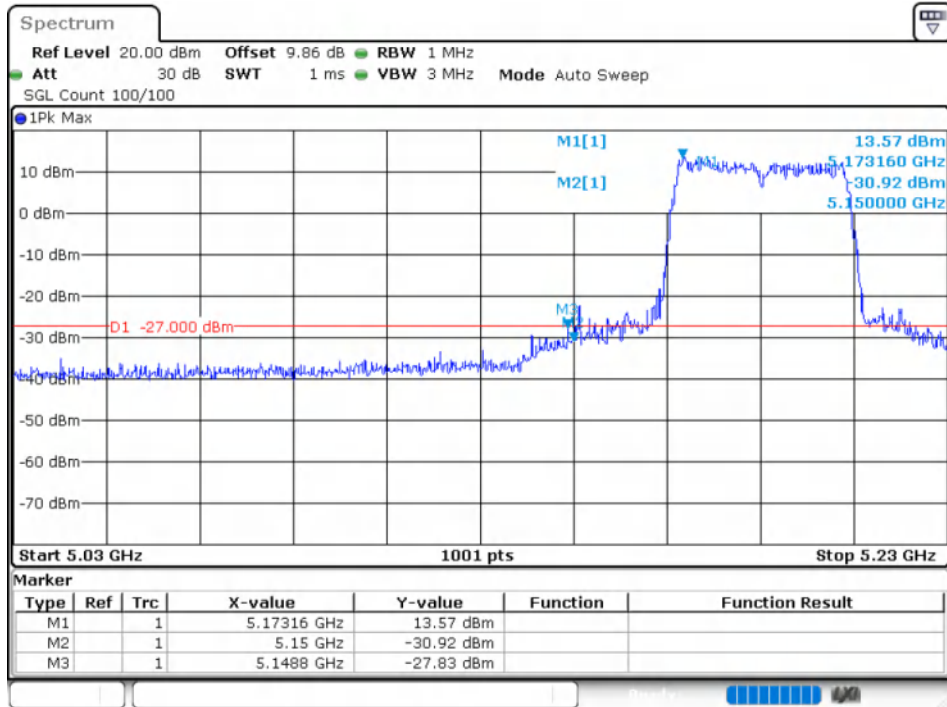
Band Edge NVNT ac20 5180MHz Low Ant1



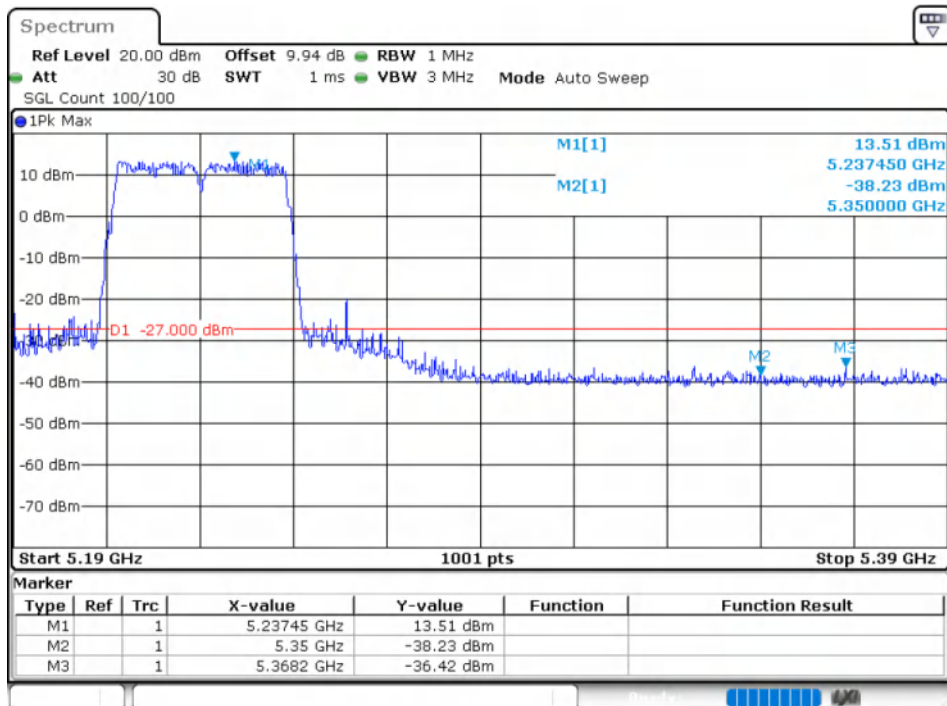
Band Edge NVNT ac20 5240MHz High Ant1



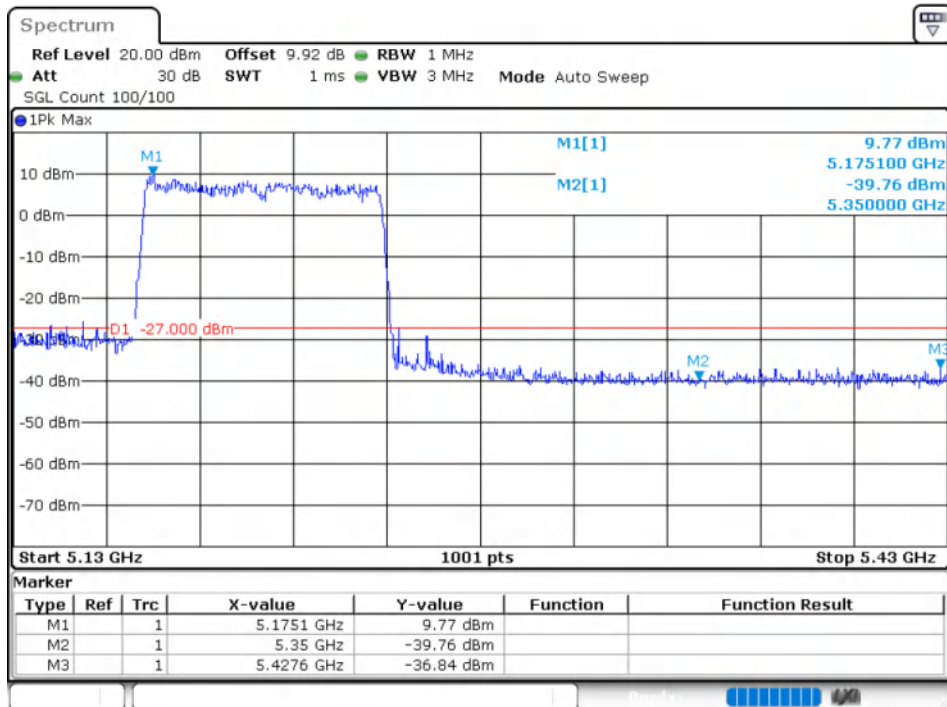
Band Edge NVNT ac40 5190MHz Low Ant1



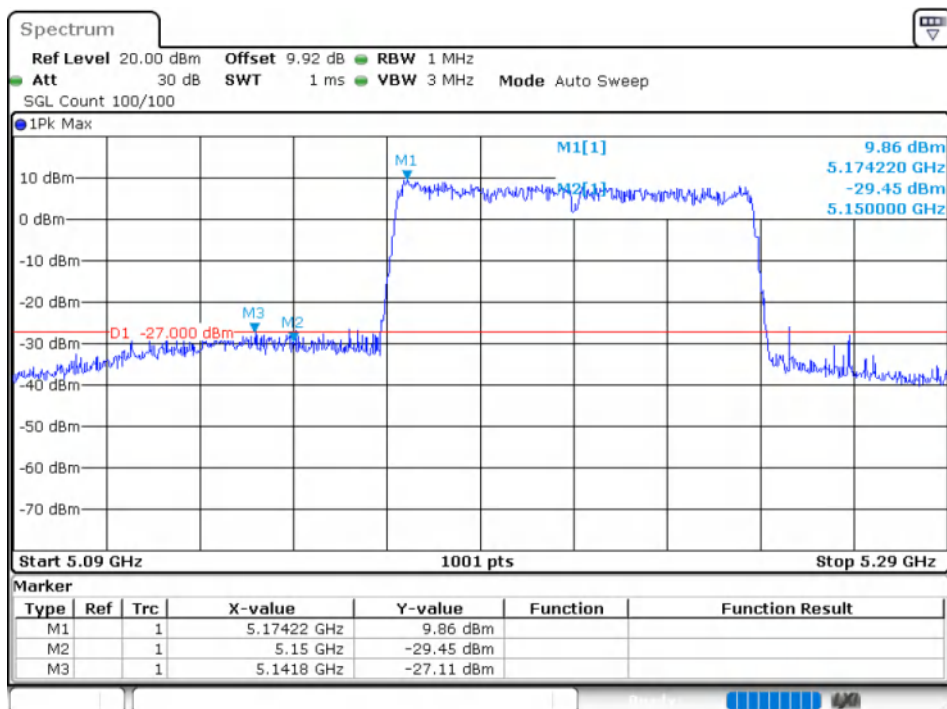
Band Edge NVNT ac40 5230MHz High Ant1



Band Edge NVNT ac80 5210MHz High Ant1



Band Edge NVNT ac80 5210MHz Low Ant1

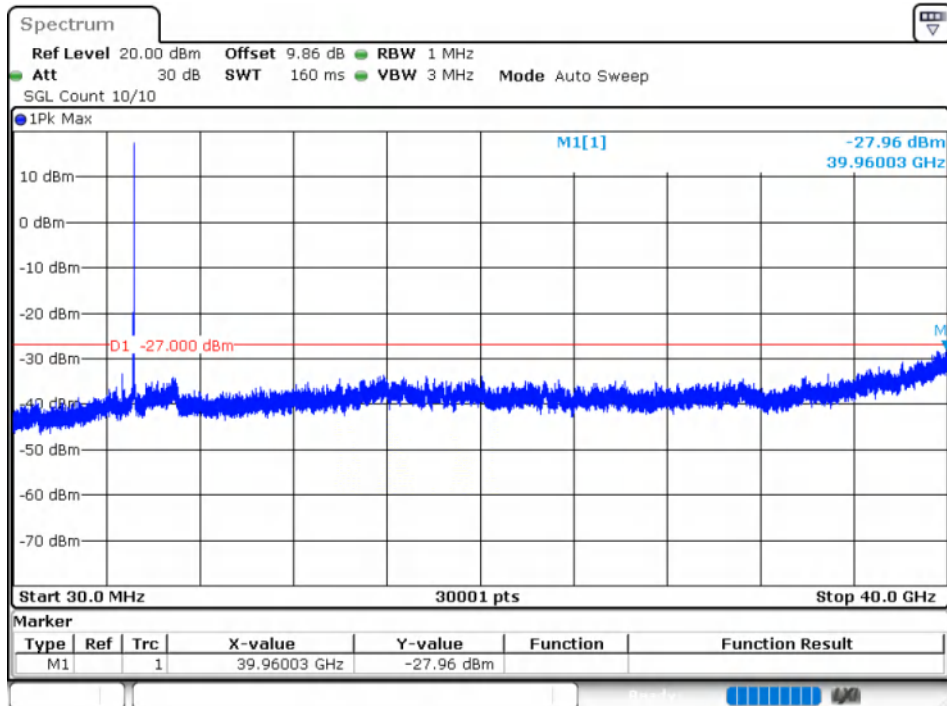


Conducted RF Spurious Emission

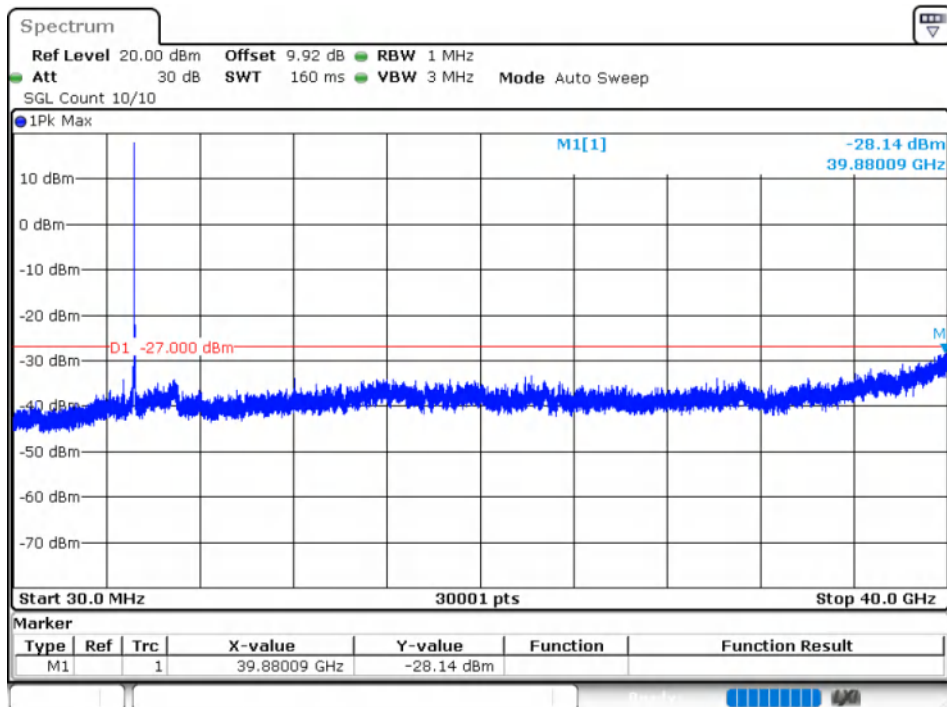
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-27.95	-27	Pass
NVNT	a	5200	Ant1	-28.13	-27	Pass
NVNT	a	5240	Ant1	-28.34	-27	Pass
NVNT	n20	5180	Ant1	-27.32	-27	Pass
NVNT	n20	5200	Ant1	-28.43	-27	Pass
NVNT	n20	5240	Ant1	-27.94	-27	Pass
NVNT	n40	5190	Ant1	-27.77	-27	Pass
NVNT	n40	5230	Ant1	-28.08	-27	Pass
NVNT	ac20	5180	Ant1	-28.51	-27	Pass
NVNT	ac20	5200	Ant1	-27.81	-27	Pass
NVNT	ac20	5240	Ant1	-27.45	-27	Pass
NVNT	ac40	5190	Ant1	-27.41	-27	Pass
NVNT	ac40	5230	Ant1	-28.46	-27	Pass
NVNT	ac80	5210	Ant1	-27.88	-27	Pass

Test Graphs

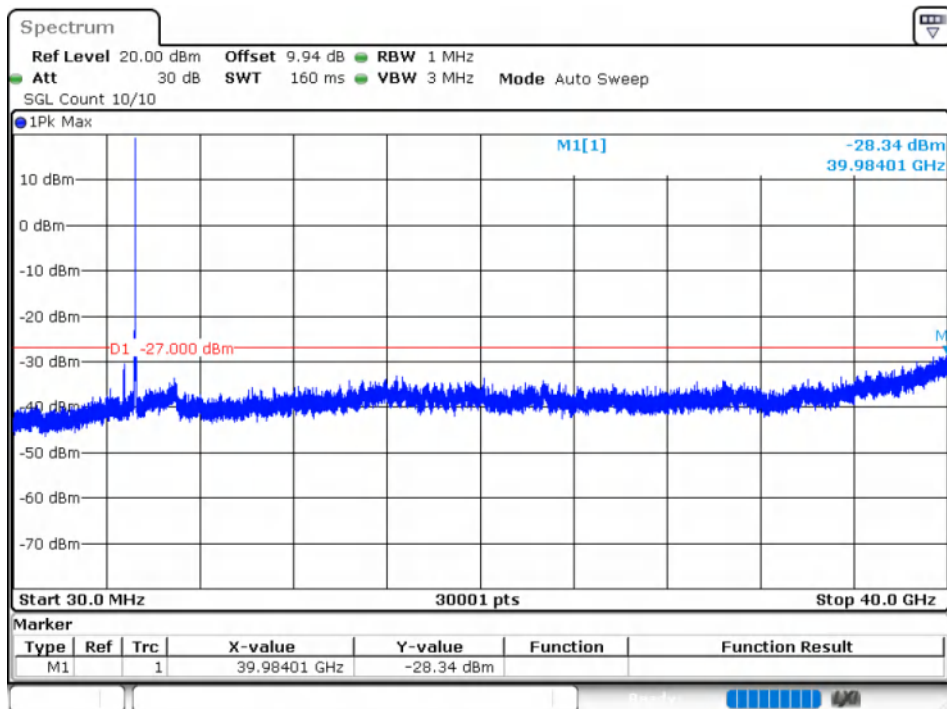
Tx. Spurious NVNT a 5180MHz Ant1 Emission



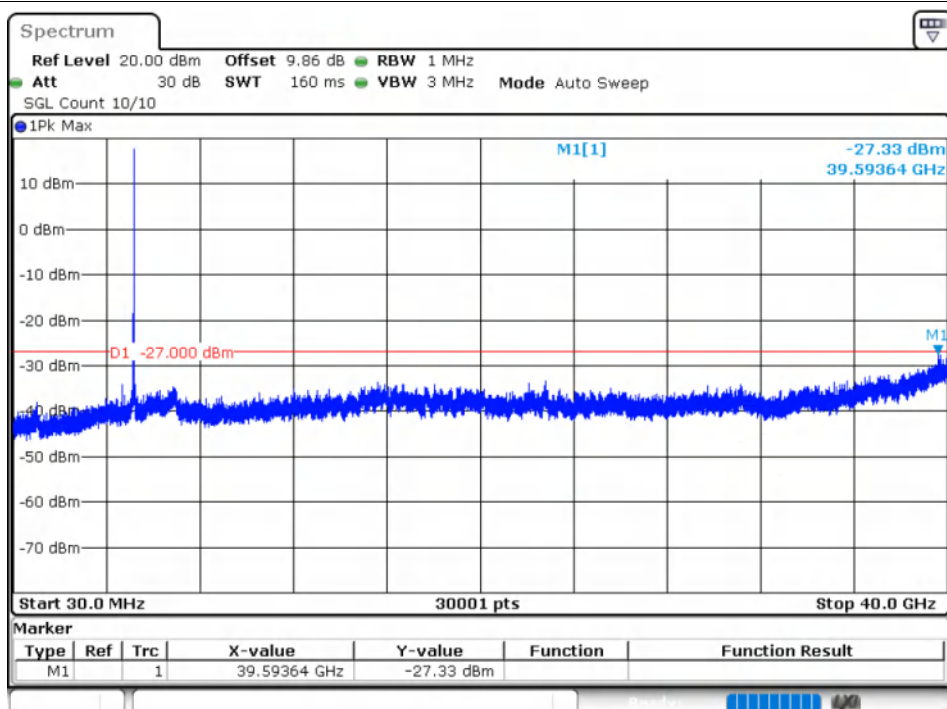
Tx. Spurious NVNT a 5200MHz Ant1 Emission



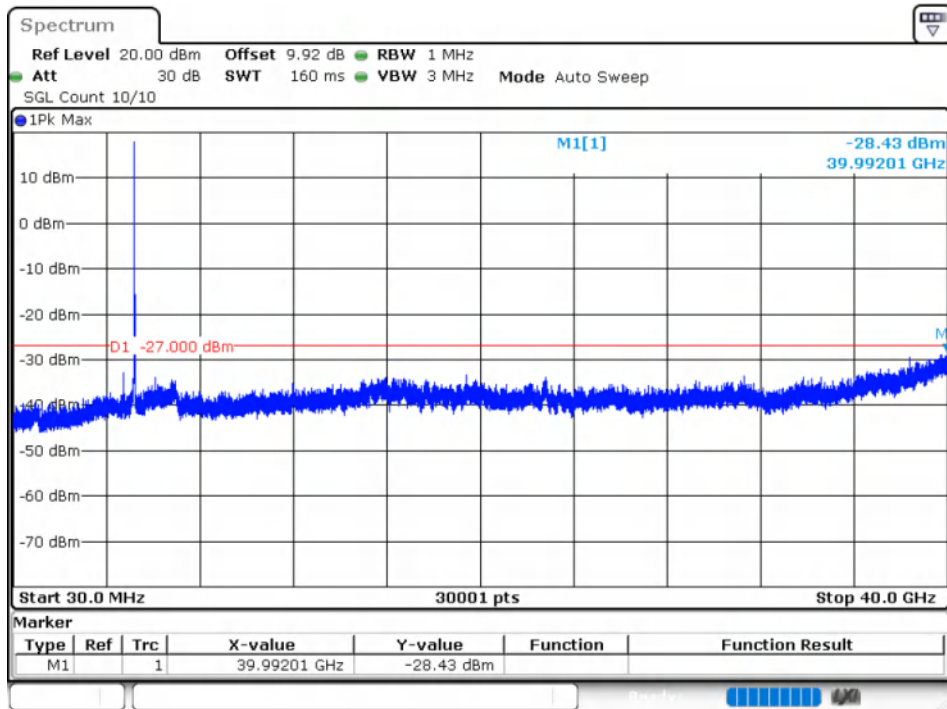
Tx. Spurious NVNT a 5240MHz Ant1 Emission



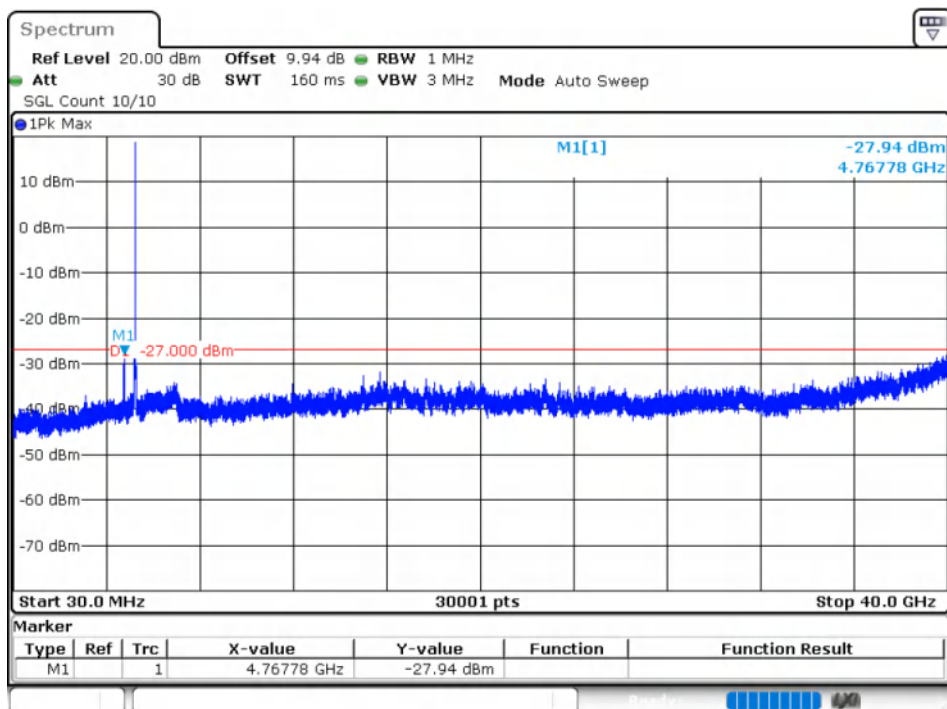
Tx. Spurious NVNT n20 5180MHz Ant1 Emission



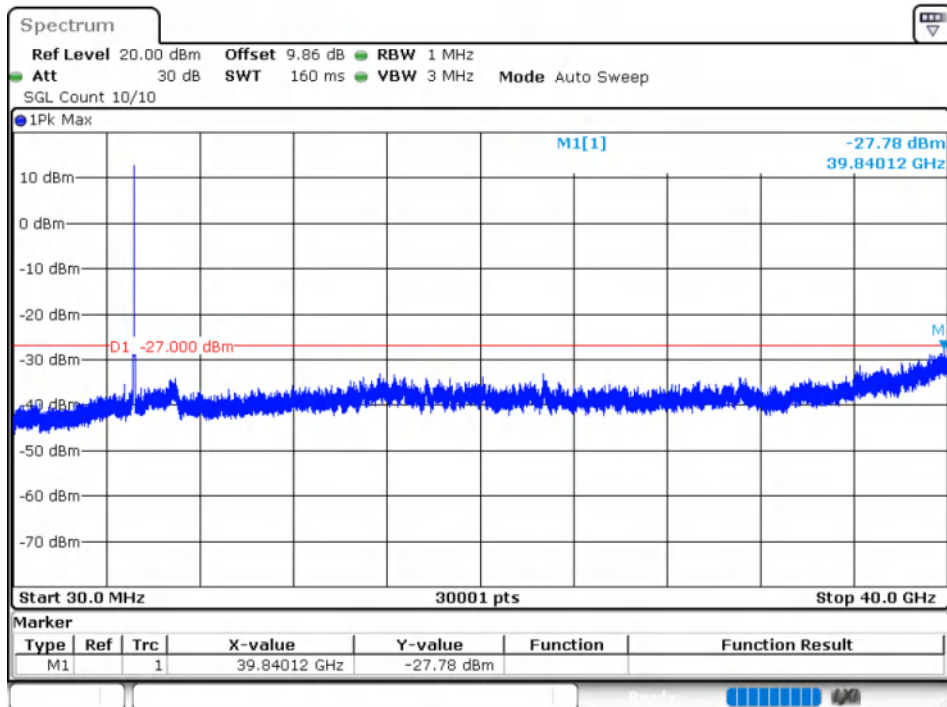
Tx. Spurious NVNT n20 5200MHz Ant1 Emission



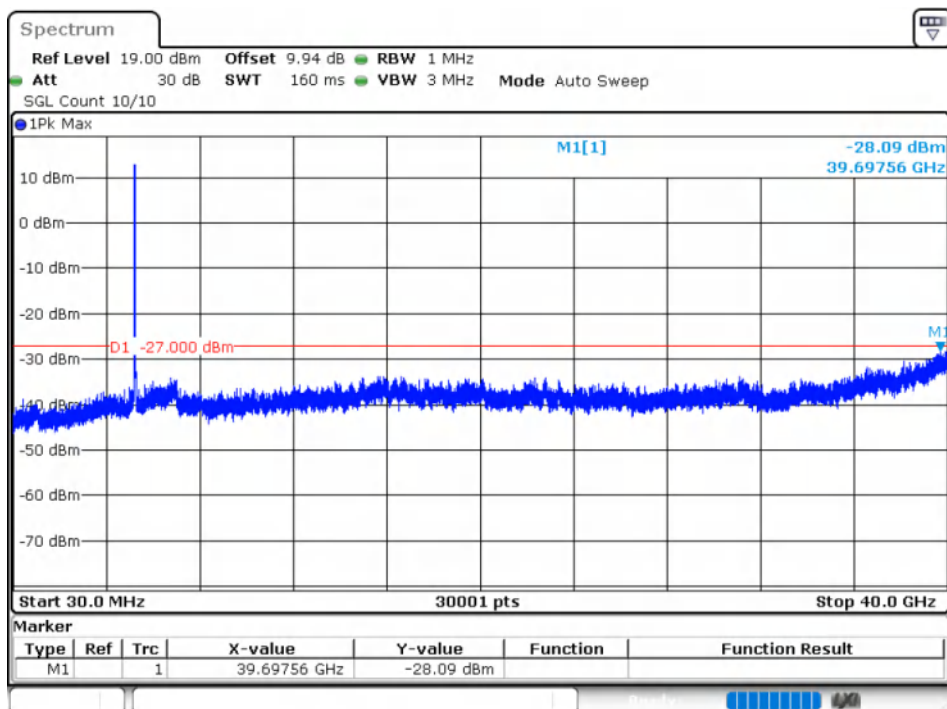
Tx. Spurious NVNT n20 5240MHz Ant1 Emission



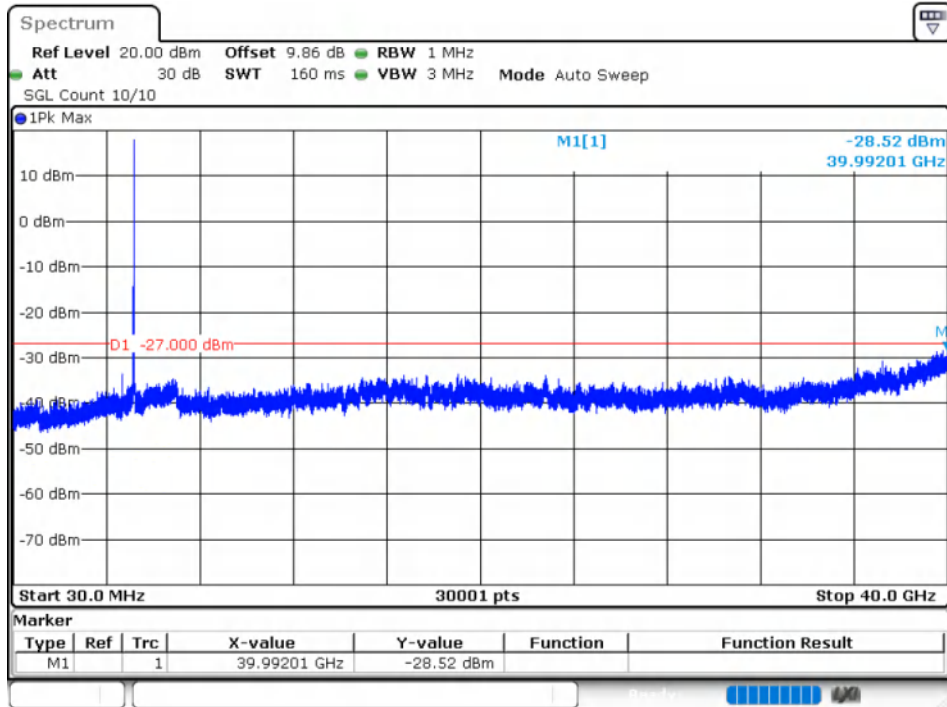
Tx. Spurious NVNT n40 5190MHz Ant1 Emission



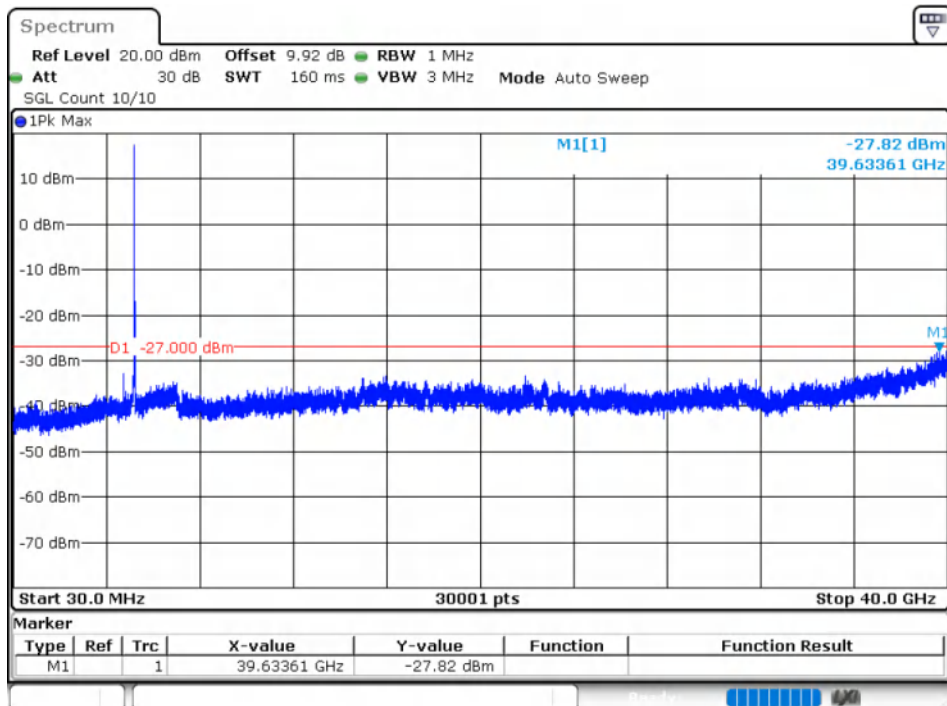
Tx. Spurious NVNT n40 5230MHz Ant1 Emission



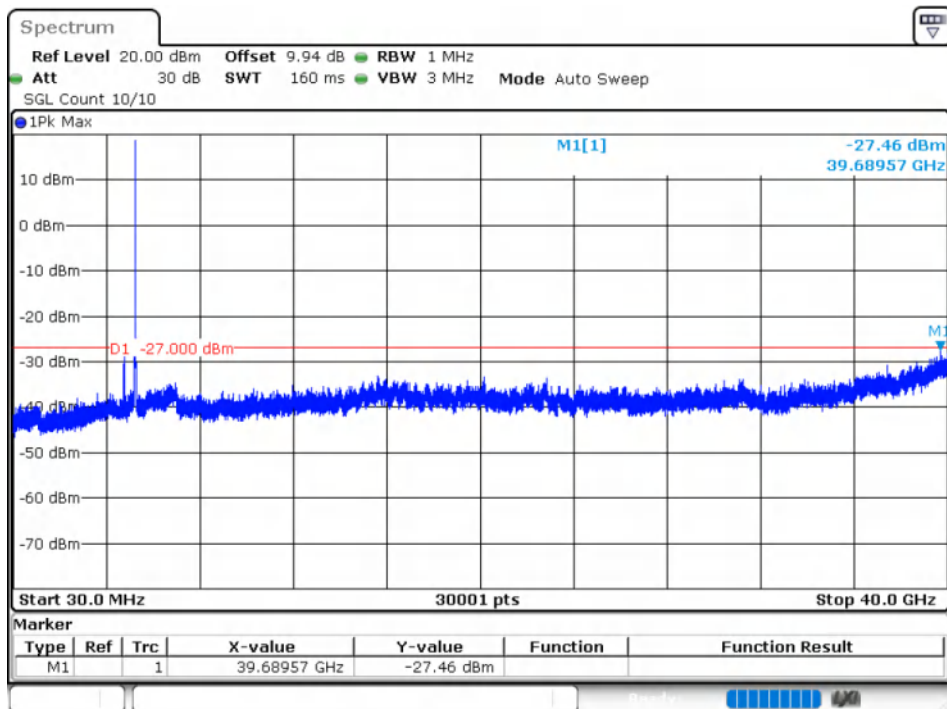
Tx. Spurious NVNT ac20 5180MHz Ant1 Emission



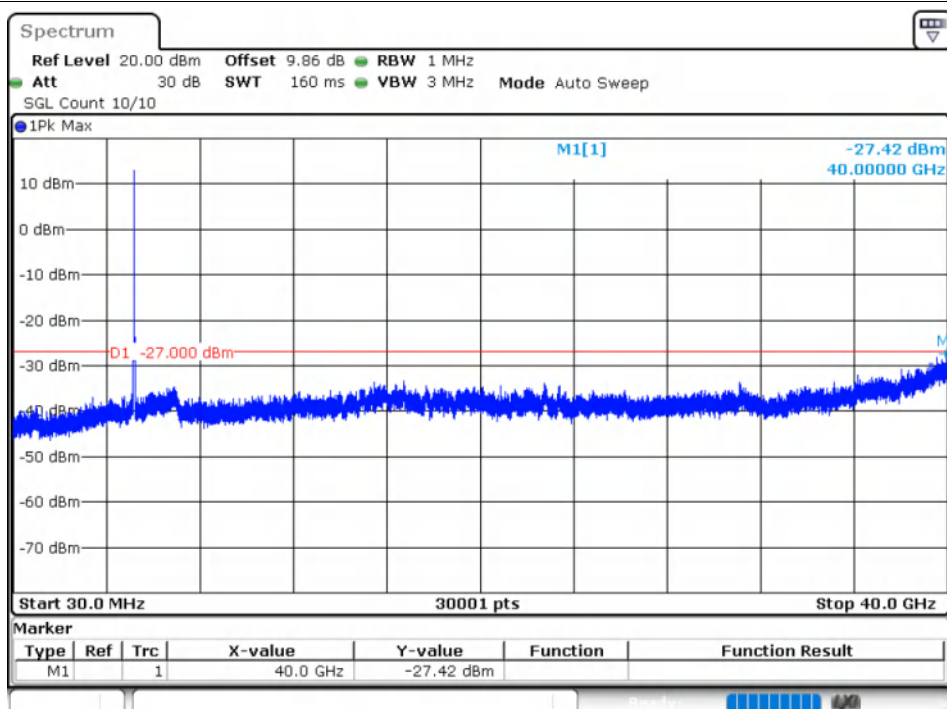
Tx. Spurious NVNT ac20 5200MHz Ant1 Emission



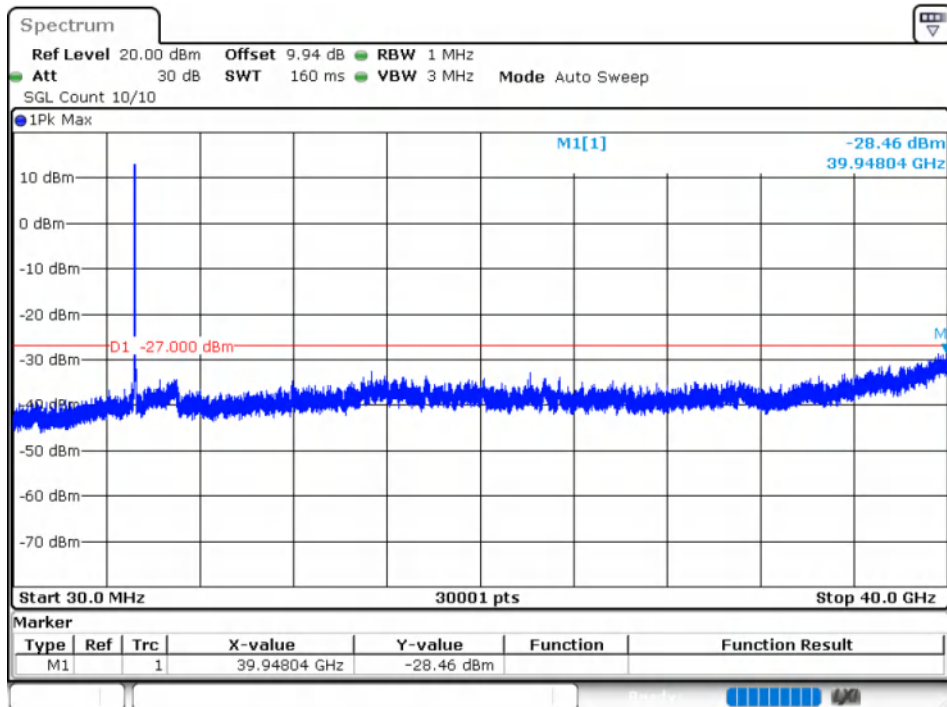
Tx. Spurious NVNT ac20 5240MHz Ant1 Emission



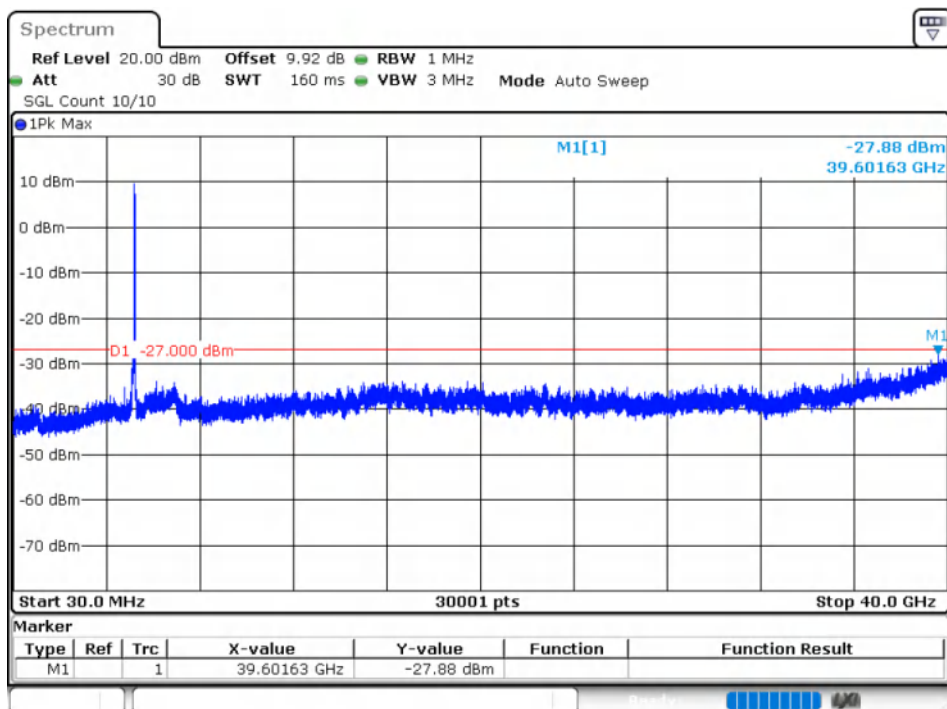
Tx. Spurious NVNT ac40 5190MHz Ant1 Emission



Tx. Spurious NVNT ac40 5230MHz Ant1 Emission



Tx. Spurious NVNT ac80 5210MHz Ant1 Emission



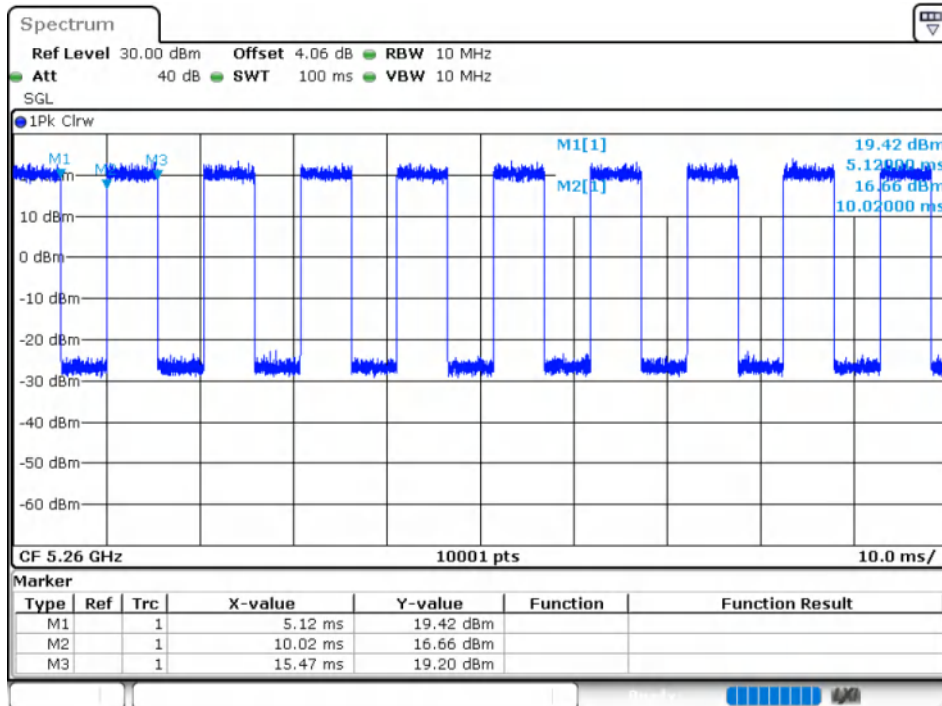
5.3G WIFI

Duty Cycle

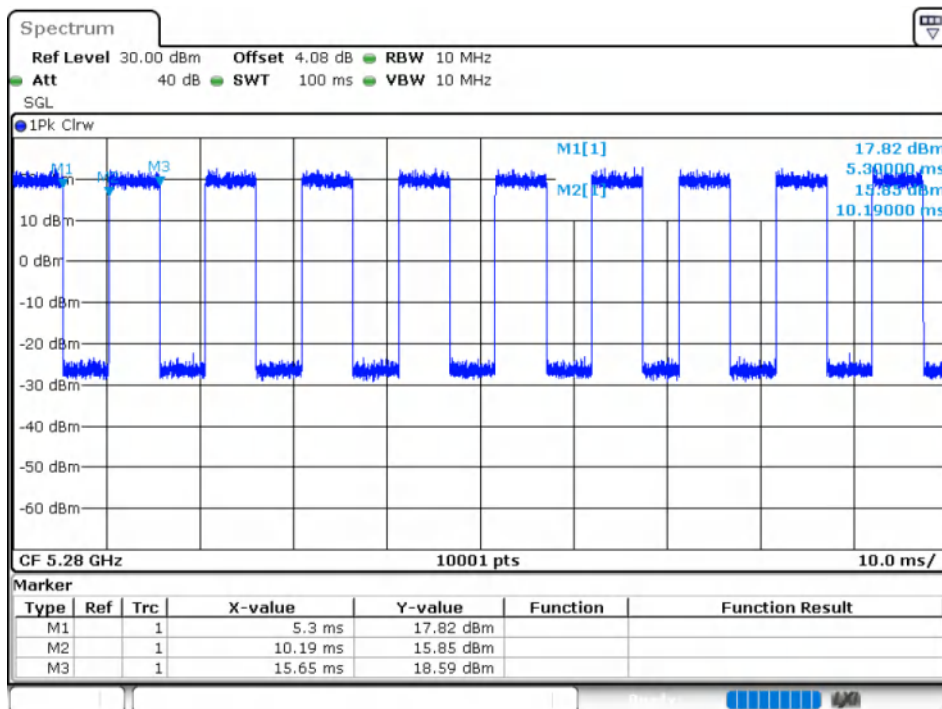
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5260	Ant1	54.28	2.65	0.18
NVNT	a	5280	Ant1	54.46	2.64	0.18
NVNT	a	5320	Ant1	54.63	2.63	0.18
NVNT	n20	5260	Ant1	53.49	2.72	0.19
NVNT	n20	5280	Ant1	51.14	2.91	0.19
NVNT	n20	5320	Ant1	51.14	2.91	0.19
NVNT	n40	5270	Ant1	49.54	3.05	0.19
NVNT	n40	5310	Ant1	49.07	3.09	0.19
NVNT	ac20	5260	Ant1	50.12	3	0.19
NVNT	ac20	5280	Ant1	52.69	2.78	0.19
NVNT	ac20	5320	Ant1	50.21	2.99	0.19
NVNT	ac40	5270	Ant1	51.04	2.92	0.19
NVNT	ac40	5310	Ant1	48.22	3.17	0.19
NVNT	ac80	5290	Ant1	45.14	3.45	0.21

Test Graphs

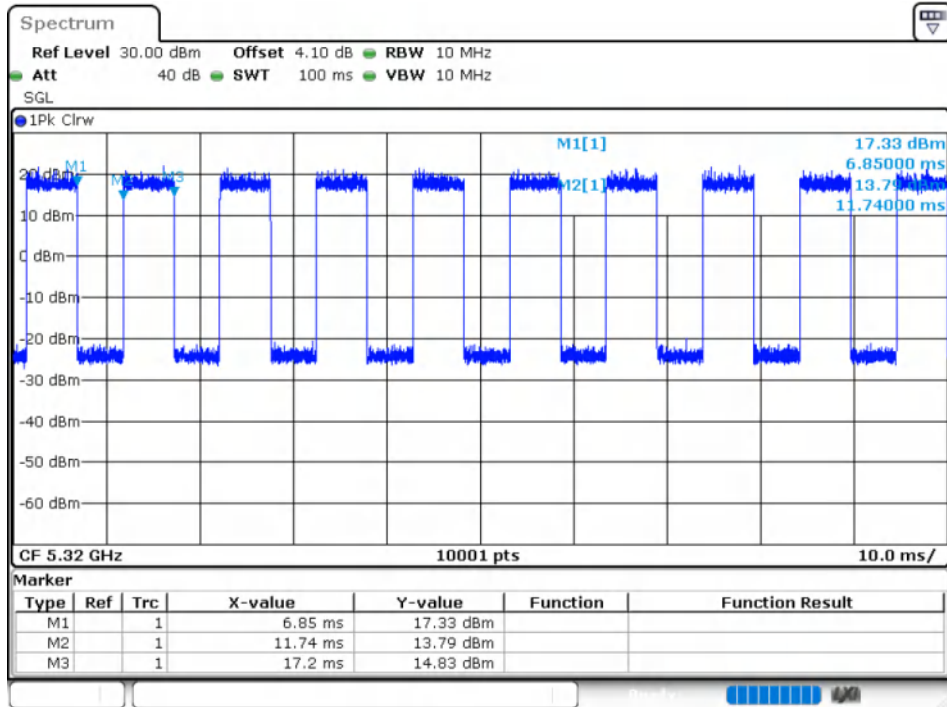
Duty Cycle NVNT a 5260MHz Ant1



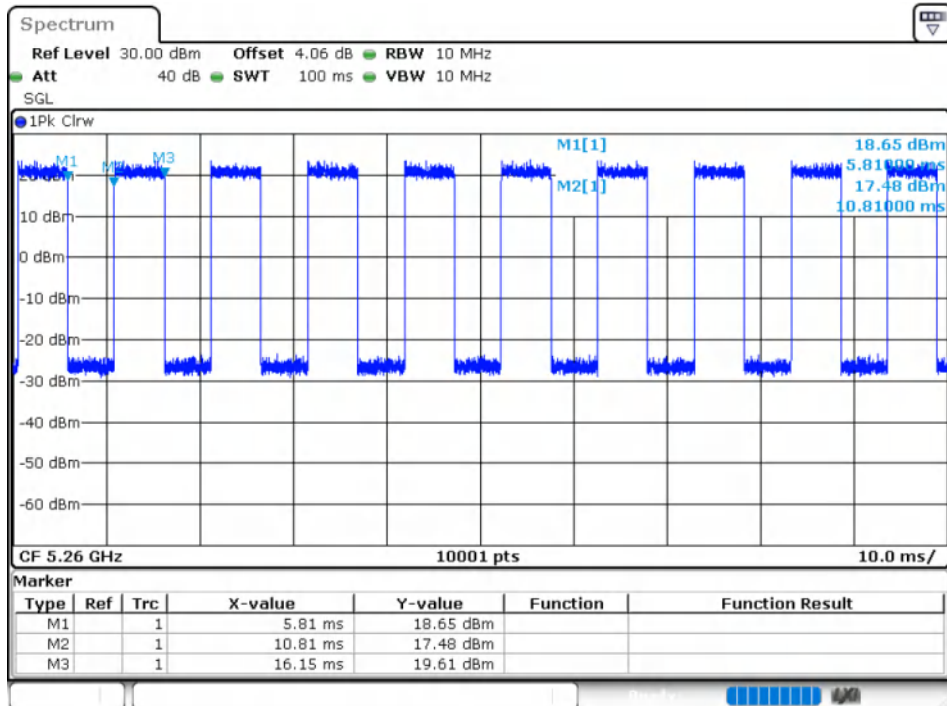
Duty Cycle NVNT a 5280MHz Ant1



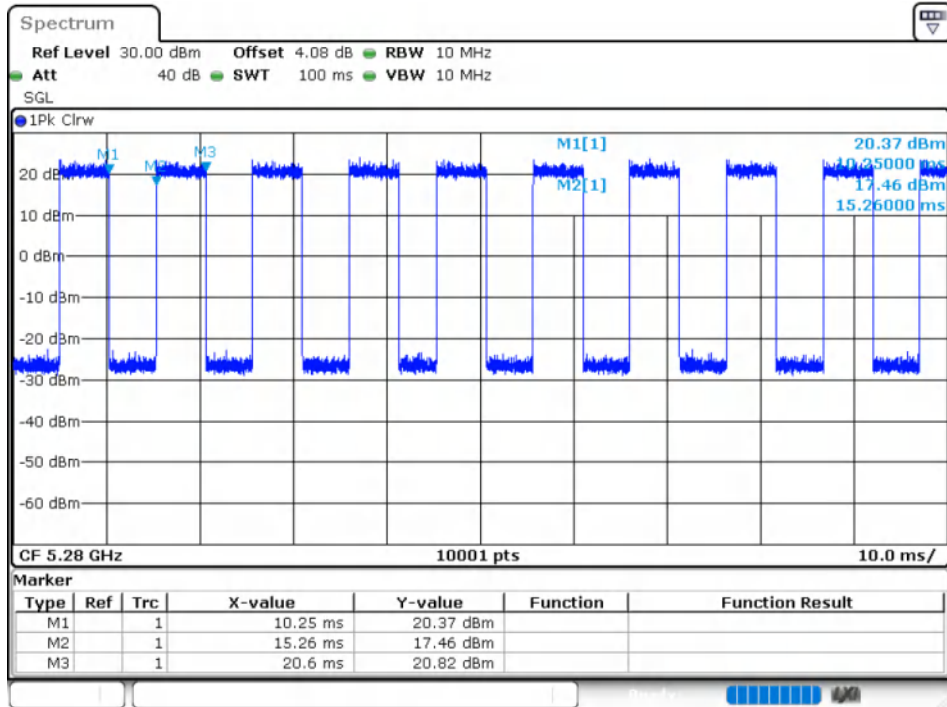
Duty Cycle NVNT a 5320MHz Ant1



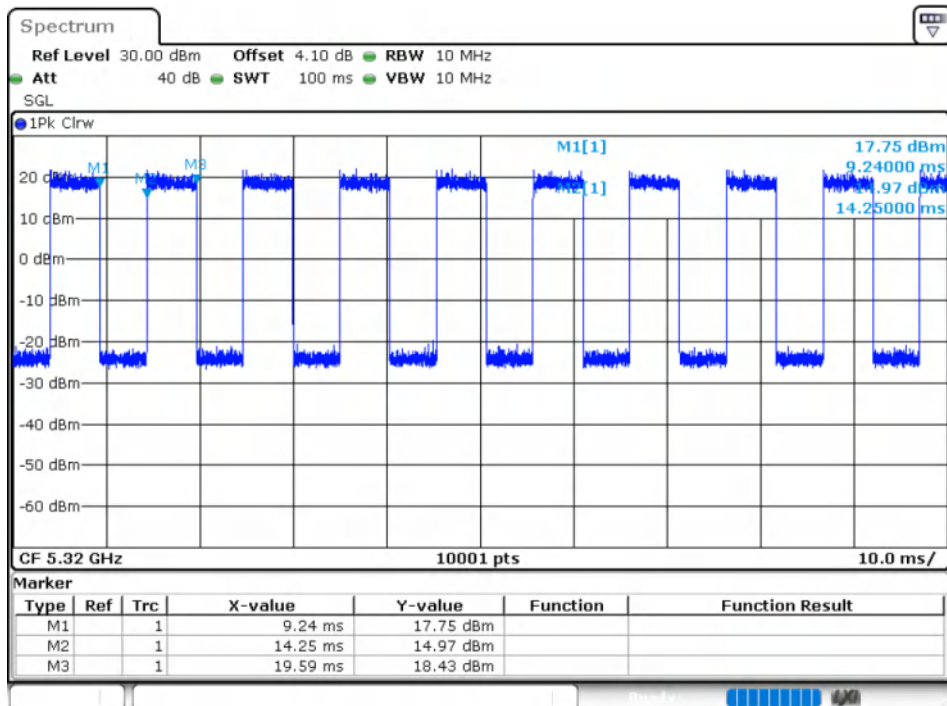
Duty Cycle NVNT n20 5260MHz Ant1



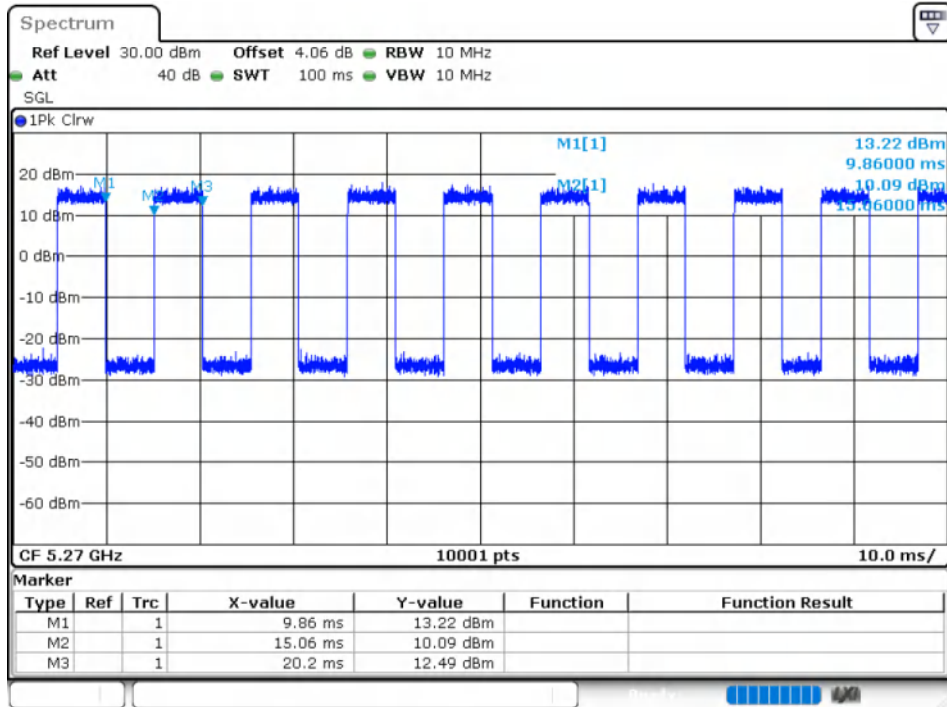
Duty Cycle NVNT n20 5280MHz Ant1



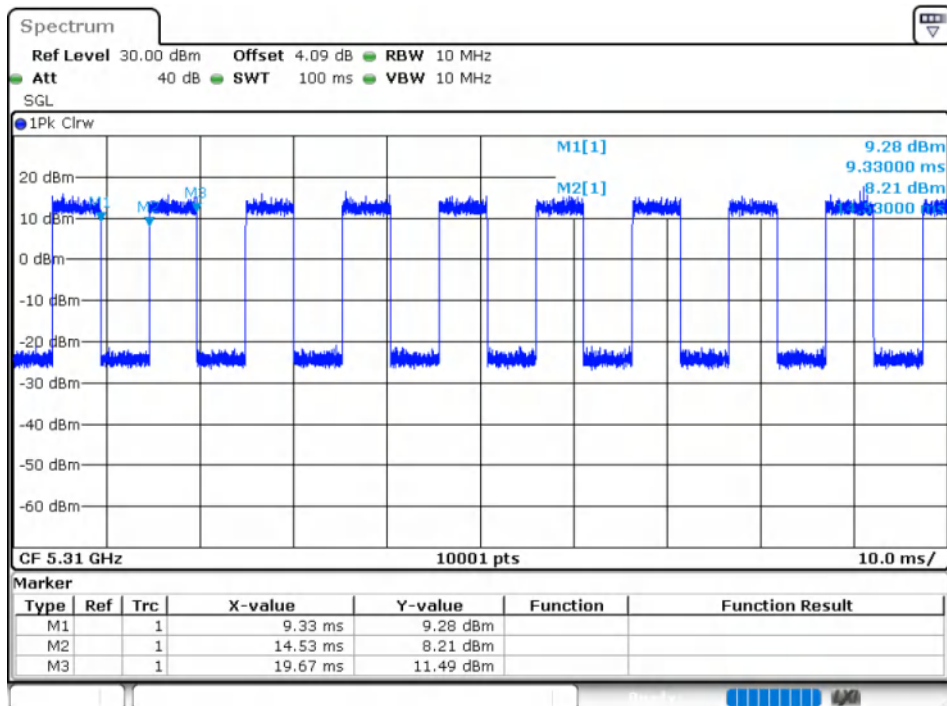
Duty Cycle NVNT n20 5320MHz Ant1



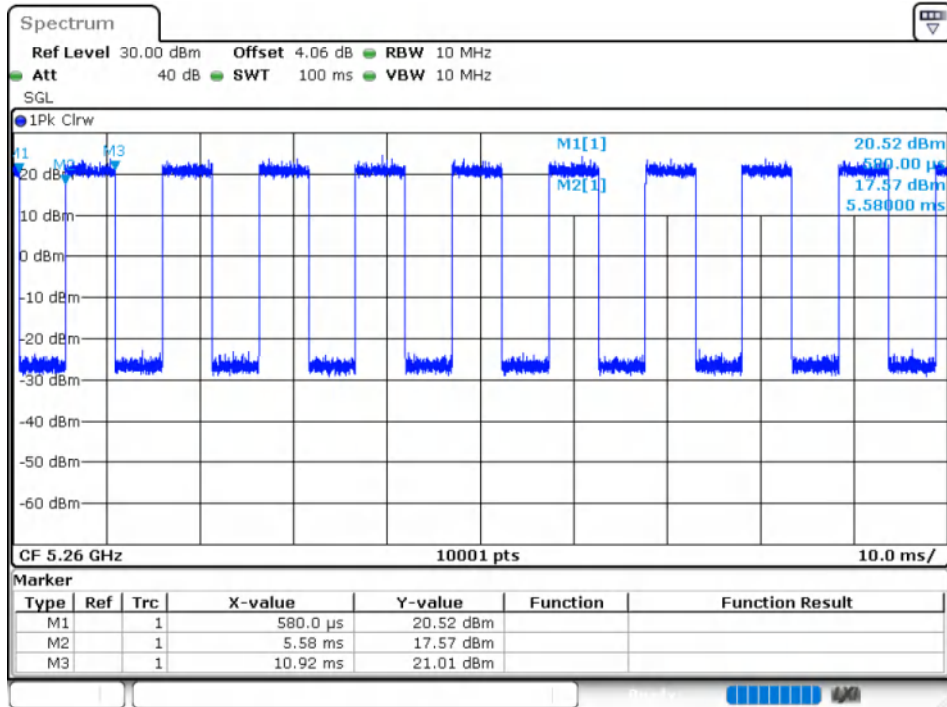
Duty Cycle NVNT n40 5270MHz Ant1



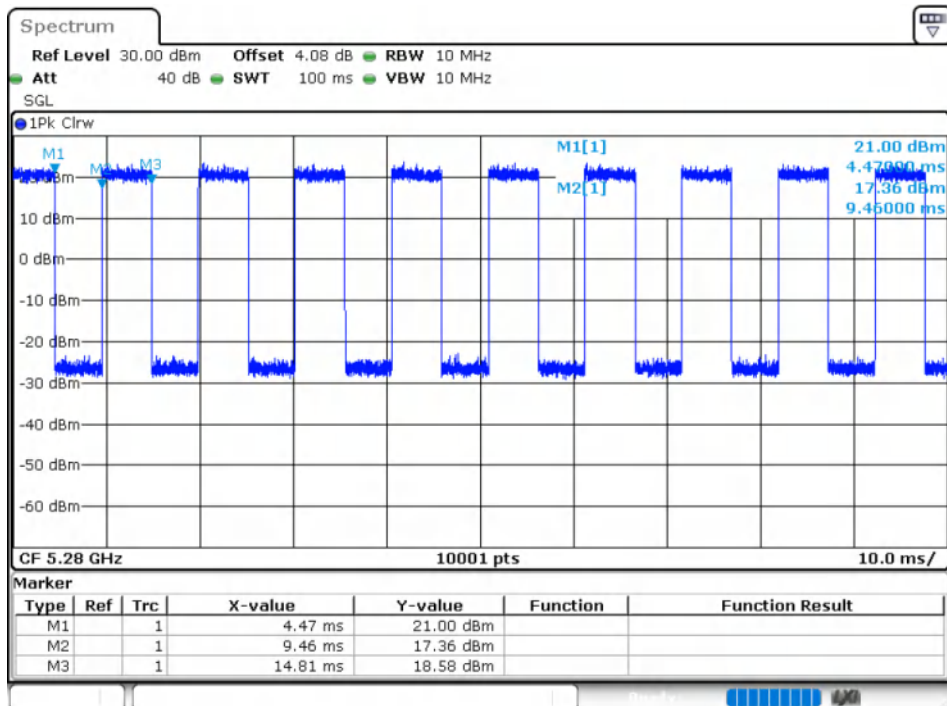
Duty Cycle NVNT n40 5310MHz Ant1



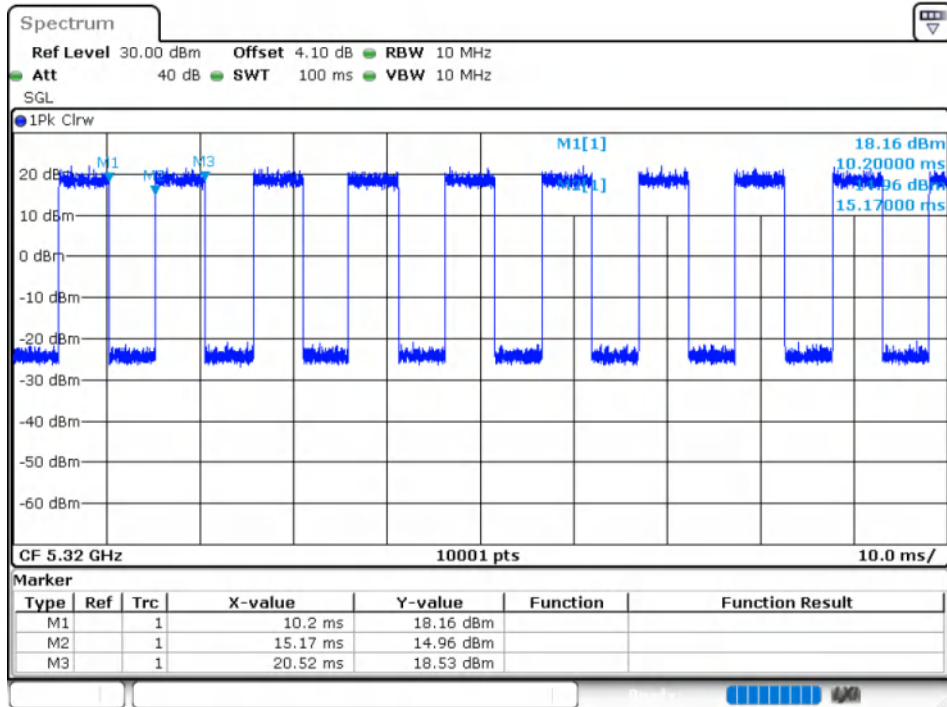
Duty Cycle NVNT ac20 5260MHz Ant1



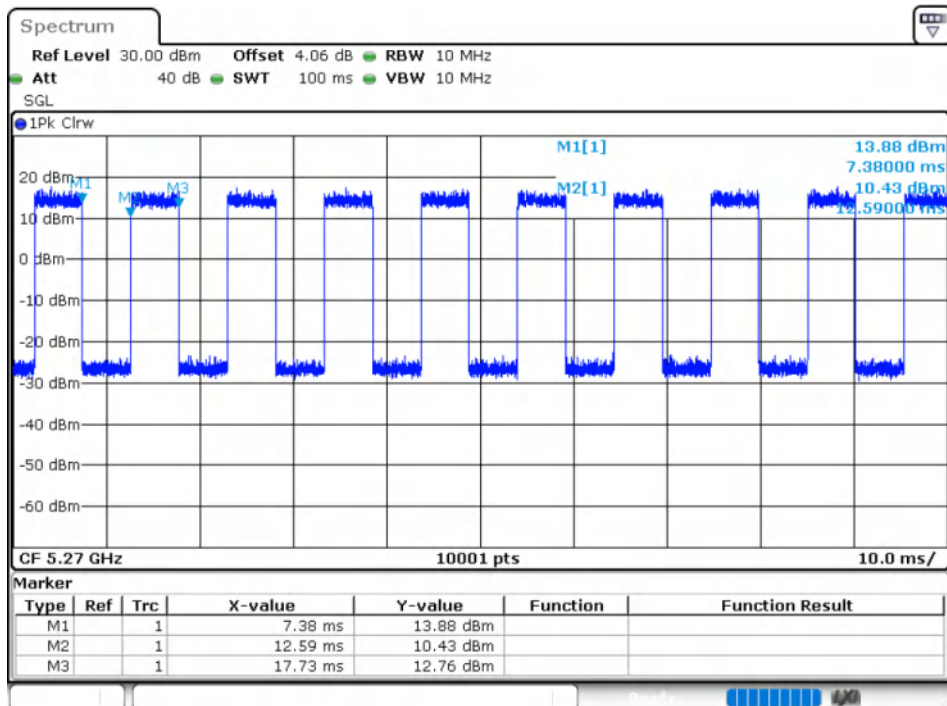
Duty Cycle NVNT ac20 5280MHz Ant1



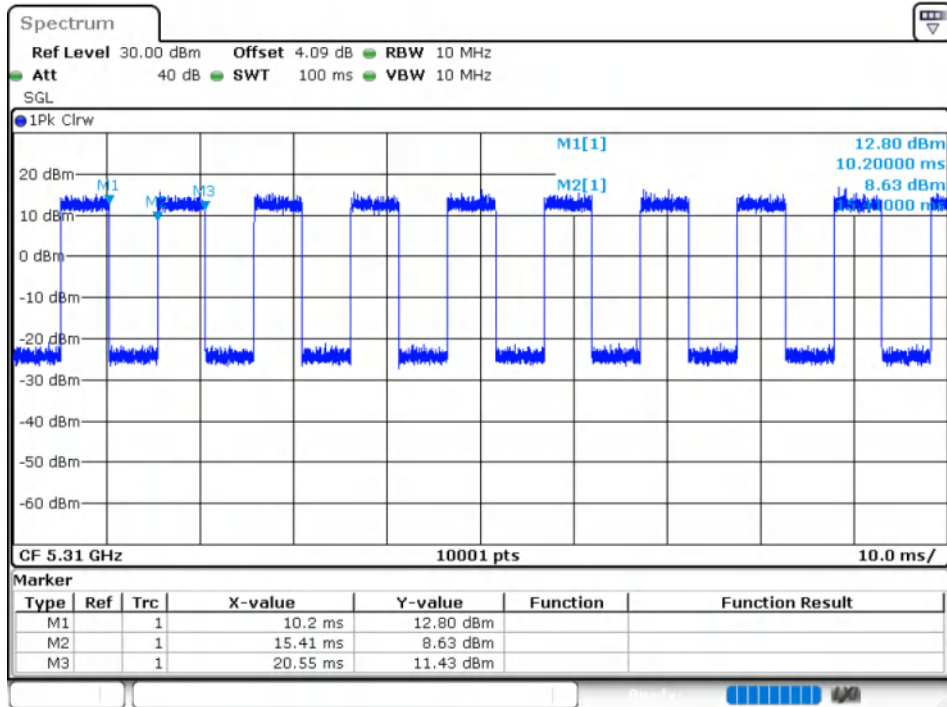
Duty Cycle NVNT ac20 5320MHz Ant1



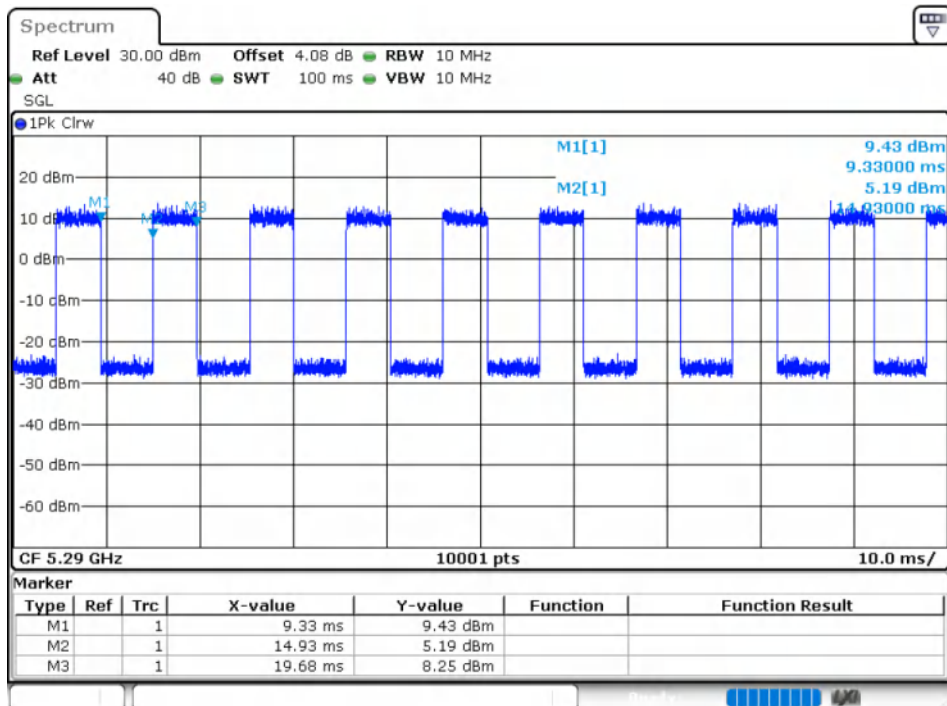
Duty Cycle NVNT ac40 5270MHz Ant1



Duty Cycle NVNT ac40 5310MHz Ant1



Duty Cycle NVNT ac80 5290MHz Ant1



Maximum Conducted Output Power

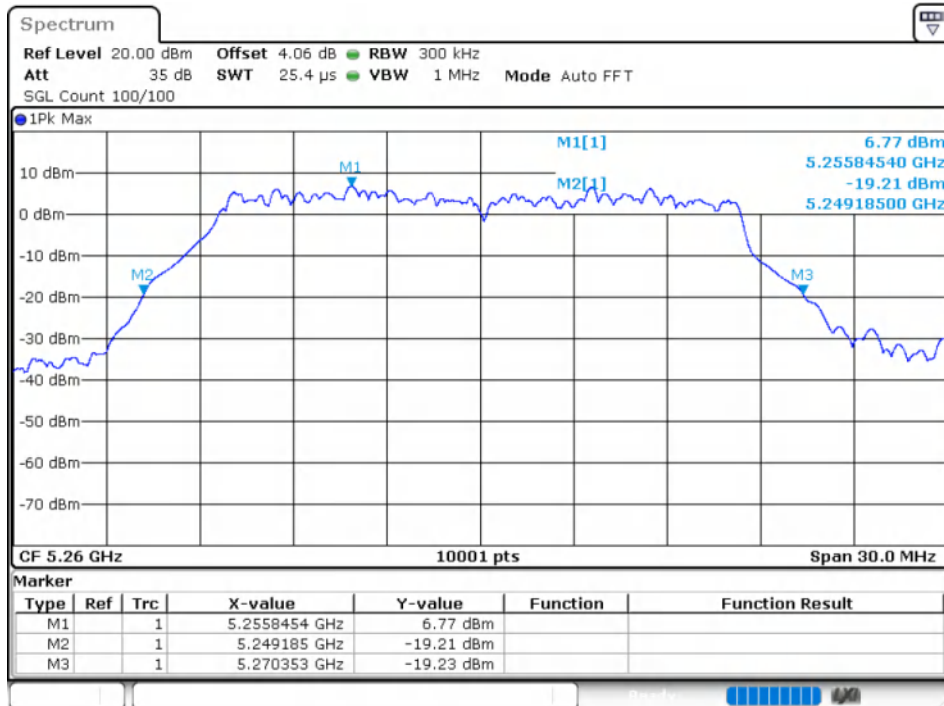
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	15.4	24	Pass
NVNT	a	5280	Ant1	14.9	24	Pass
NVNT	a	5320	Ant1	14.01	24	Pass
NVNT	n20	5260	Ant1	16.47	24	Pass
NVNT	n20	5280	Ant1	16.37	24	Pass
NVNT	n20	5320	Ant1	14.99	24	Pass
NVNT	n40	5270	Ant1	13.26	24	Pass
NVNT	n40	5310	Ant1	12.06	24	Pass
NVNT	ac20	5260	Ant1	16.49	24	Pass
NVNT	ac20	5280	Ant1	16.04	24	Pass
NVNT	ac20	5320	Ant1	14.98	24	Pass
NVNT	ac40	5270	Ant1	12.8	24	Pass
NVNT	ac40	5310	Ant1	11.77	24	Pass
NVNT	ac80	5290	Ant1	12.52	24	Pass

-26dB Bandwidth

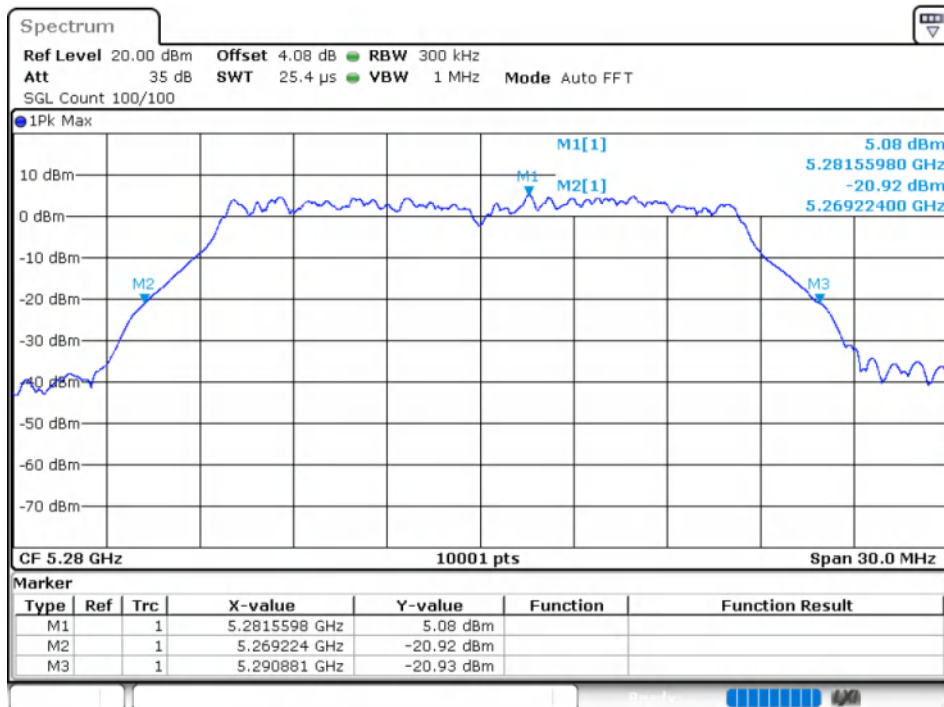
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5260	Ant1	21.168	0.5	Pass
NVNT	a	5280	Ant1	21.657	0.5	Pass
NVNT	a	5320	Ant1	21.198	0.5	Pass
NVNT	n20	5260	Ant1	21.945	0.5	Pass
NVNT	n20	5280	Ant1	21.924	0.5	Pass
NVNT	n20	5320	Ant1	21.522	0.5	Pass
NVNT	n40	5270	Ant1	40.758	0.5	Pass
NVNT	n40	5310	Ant1	41.064	0.5	Pass
NVNT	ac20	5260	Ant1	21.888	0.5	Pass
NVNT	ac20	5280	Ant1	21.135	0.5	Pass
NVNT	ac20	5320	Ant1	22.566	0.5	Pass
NVNT	ac40	5270	Ant1	41.214	0.5	Pass
NVNT	ac40	5310	Ant1	40.812	0.5	Pass
NVNT	ac80	5290	Ant1	81	0.5	Pass

Test Graphs

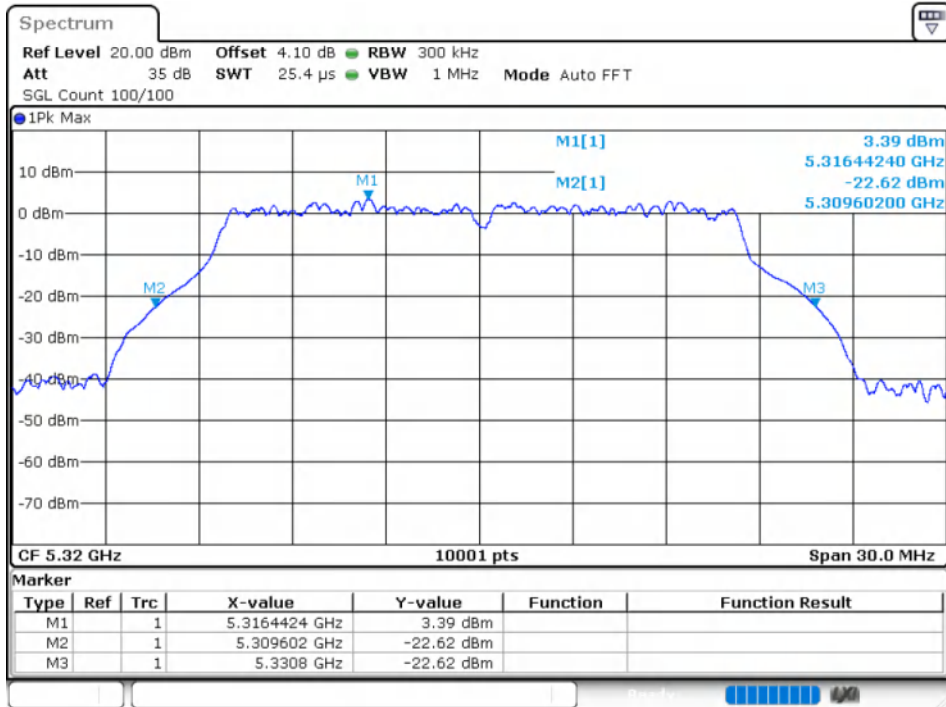
-26dB Bandwidth NVNT a 5260MHz Ant1



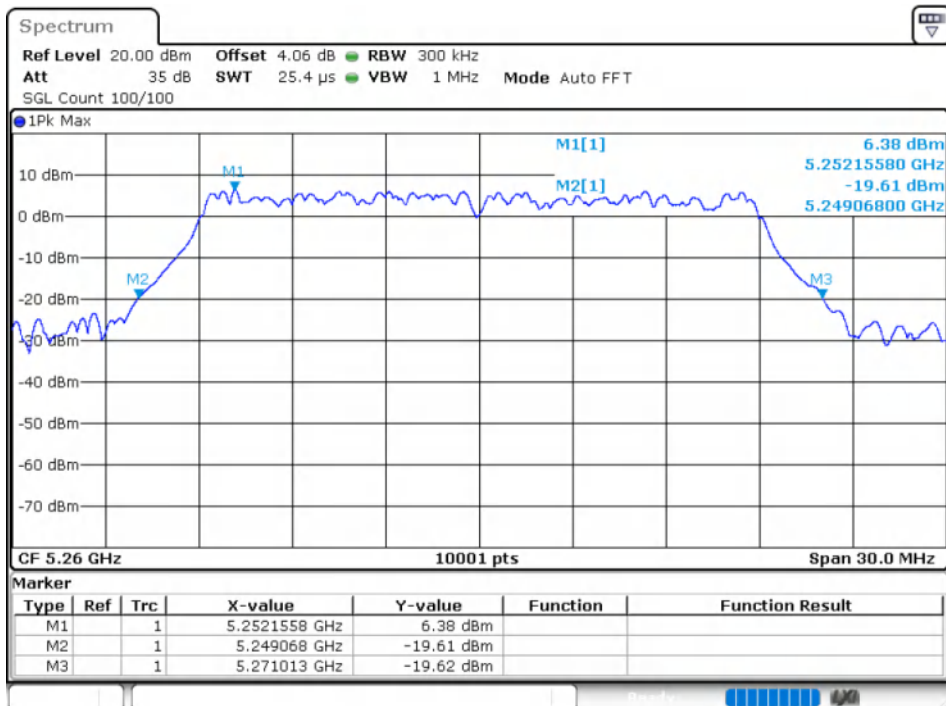
-26dB Bandwidth NVNT a 5280MHz Ant1



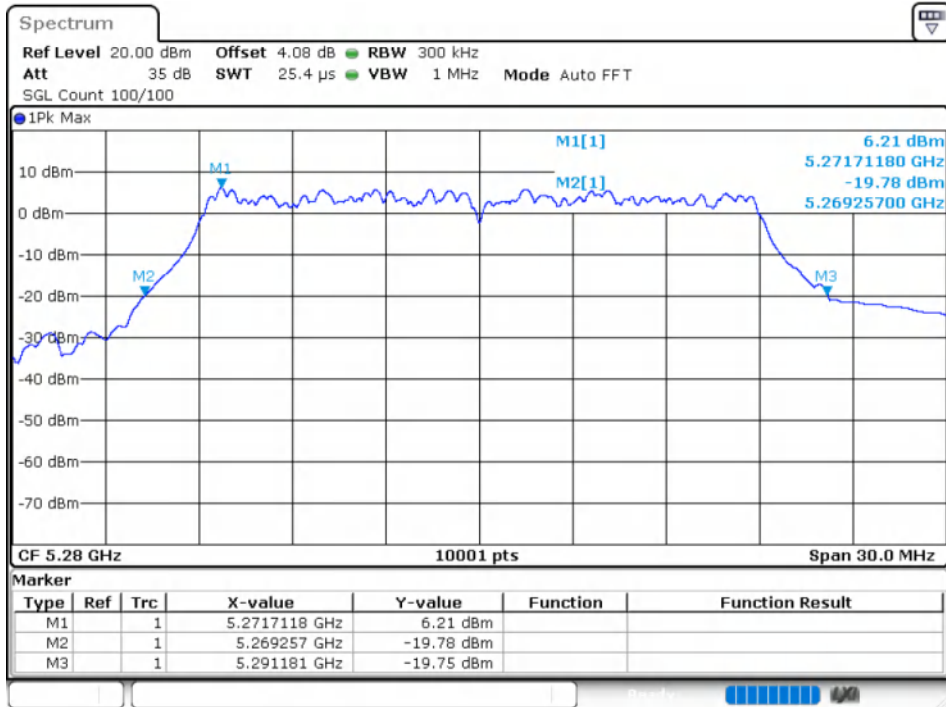
-26dB Bandwidth NVNT a 5320MHz Ant1



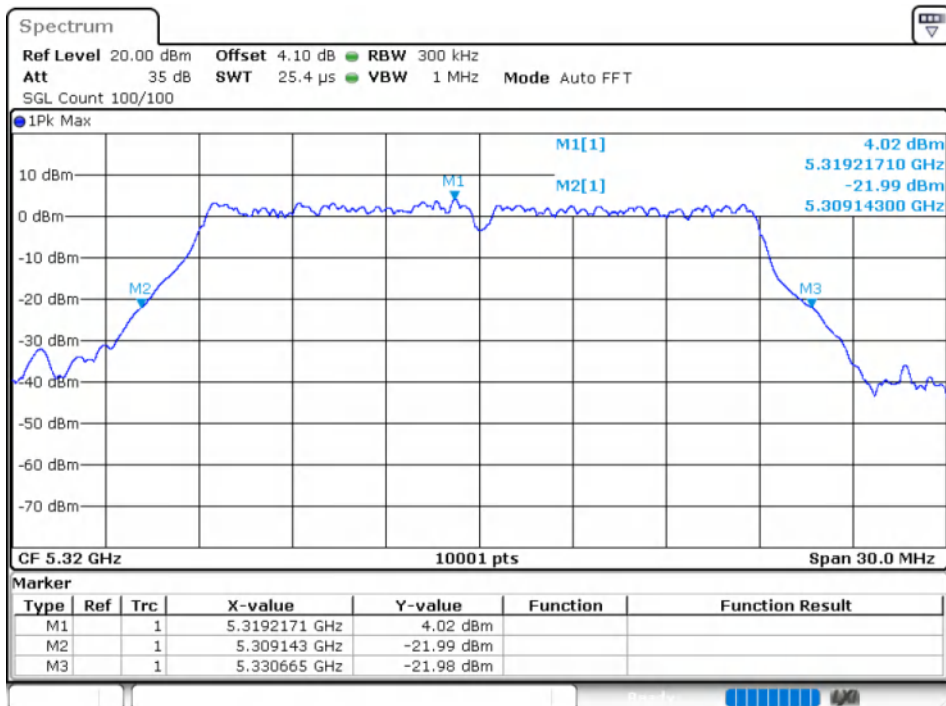
-26dB Bandwidth NVNT n20 5260MHz Ant1



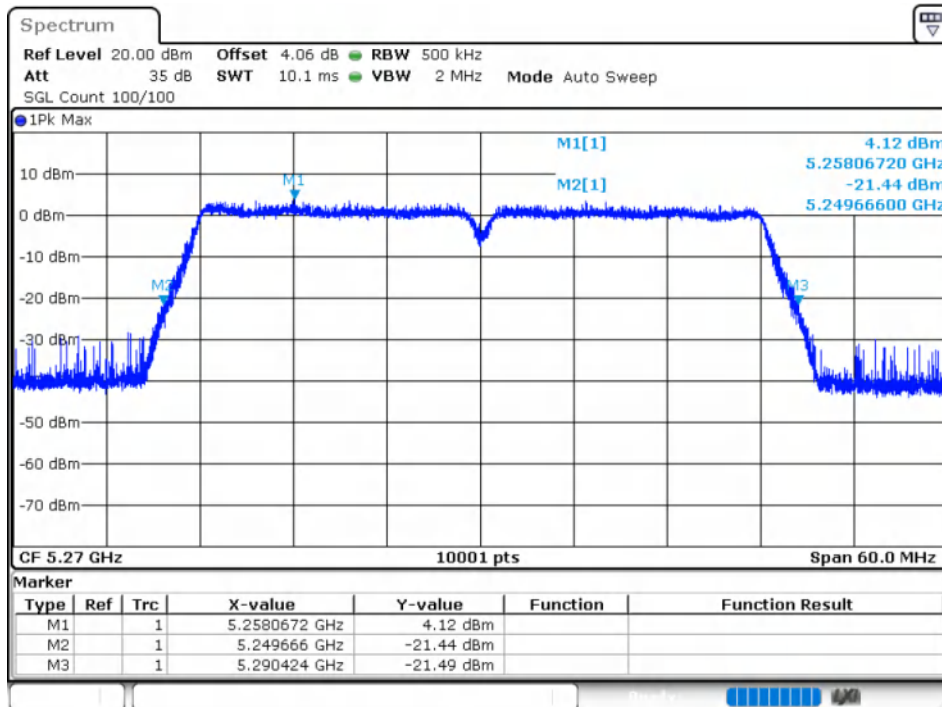
-26dB Bandwidth NVNT n20 5280MHz Ant1



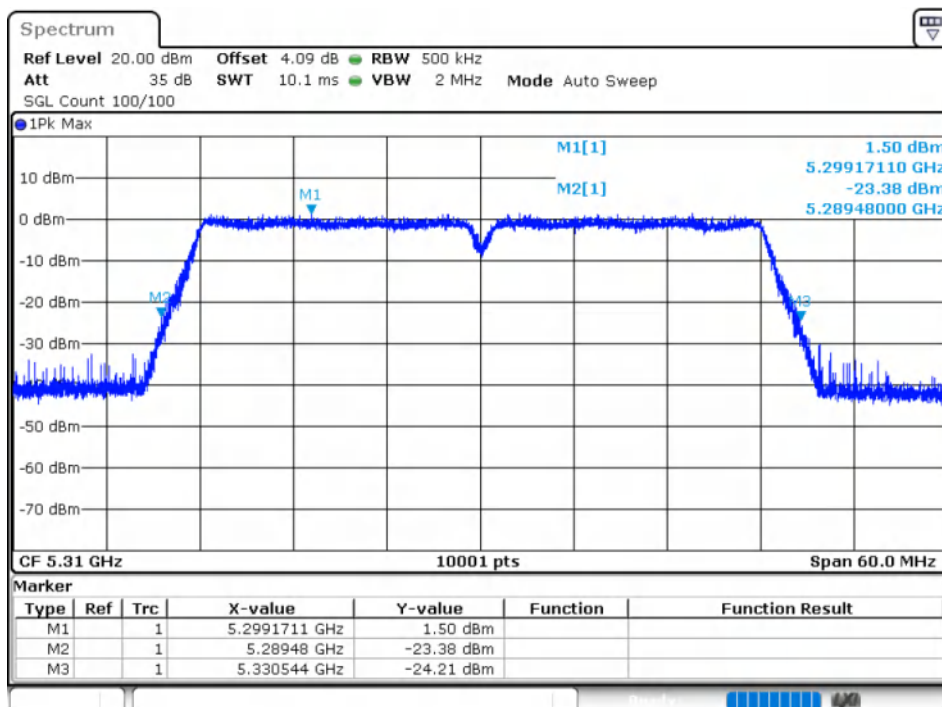
-26dB Bandwidth NVNT n20 5320MHz Ant1



-26dB Bandwidth NVNT n40 5270MHz Ant1



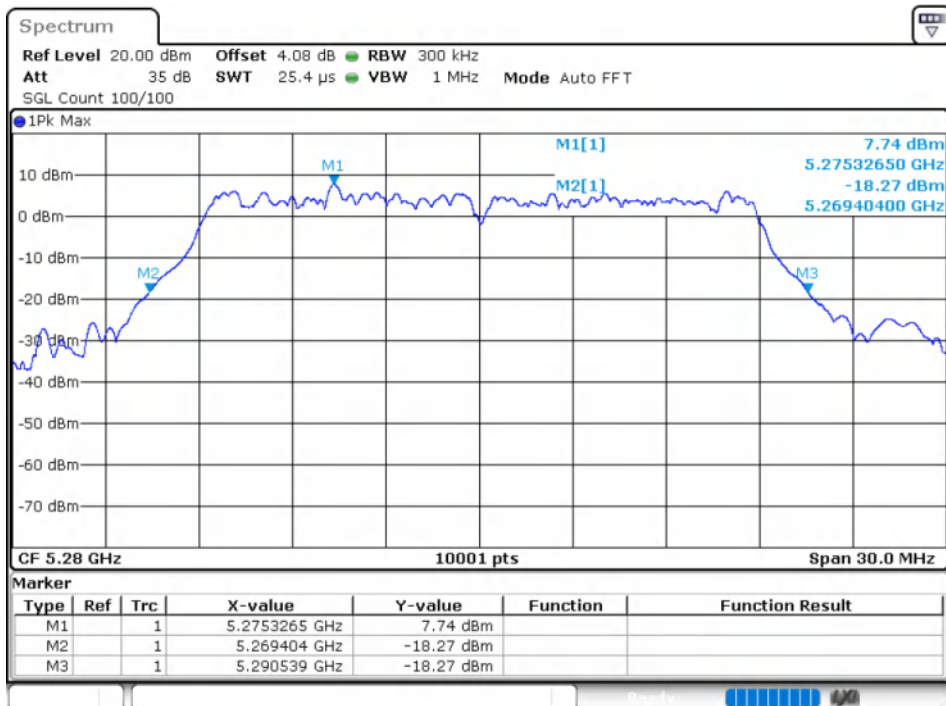
-26dB Bandwidth NVNT n40 5310MHz Ant1



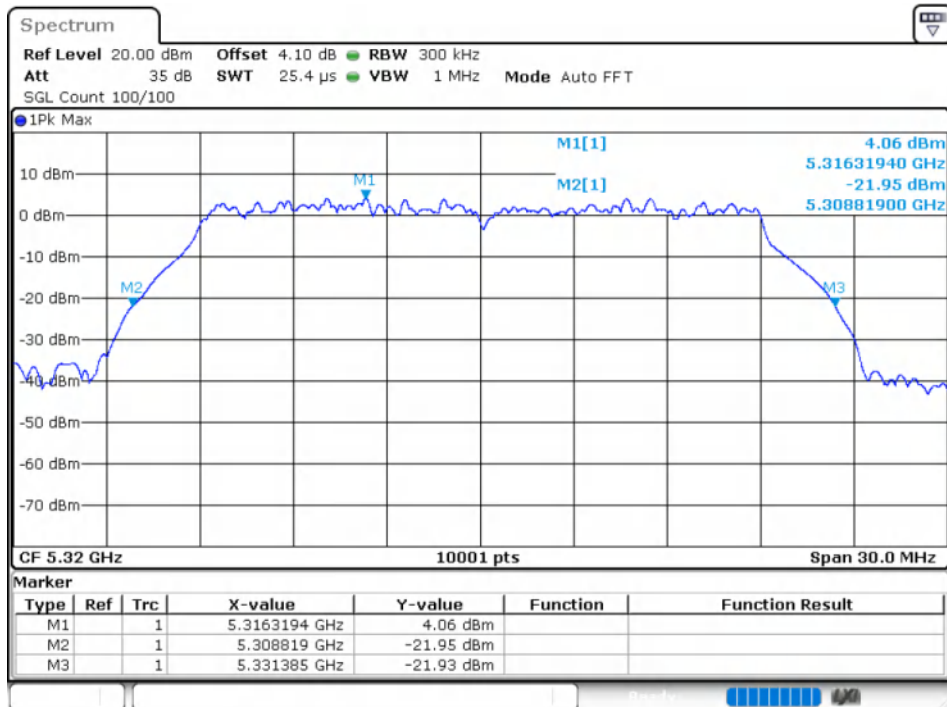
-26dB Bandwidth NVNT ac20 5260MHz Ant1



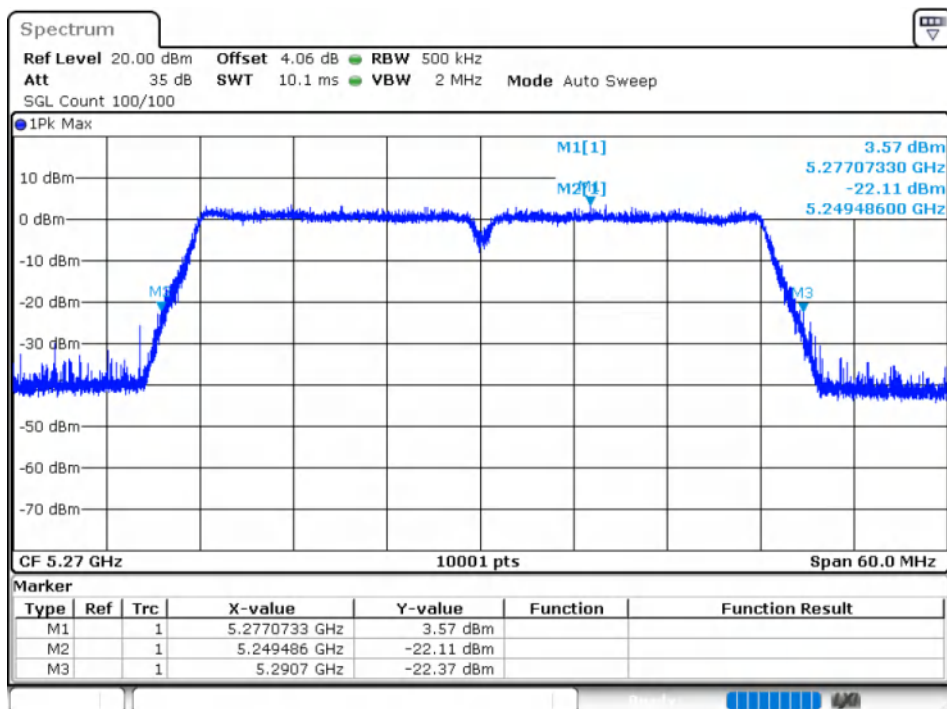
-26dB Bandwidth NVNT ac20 5280MHz Ant1



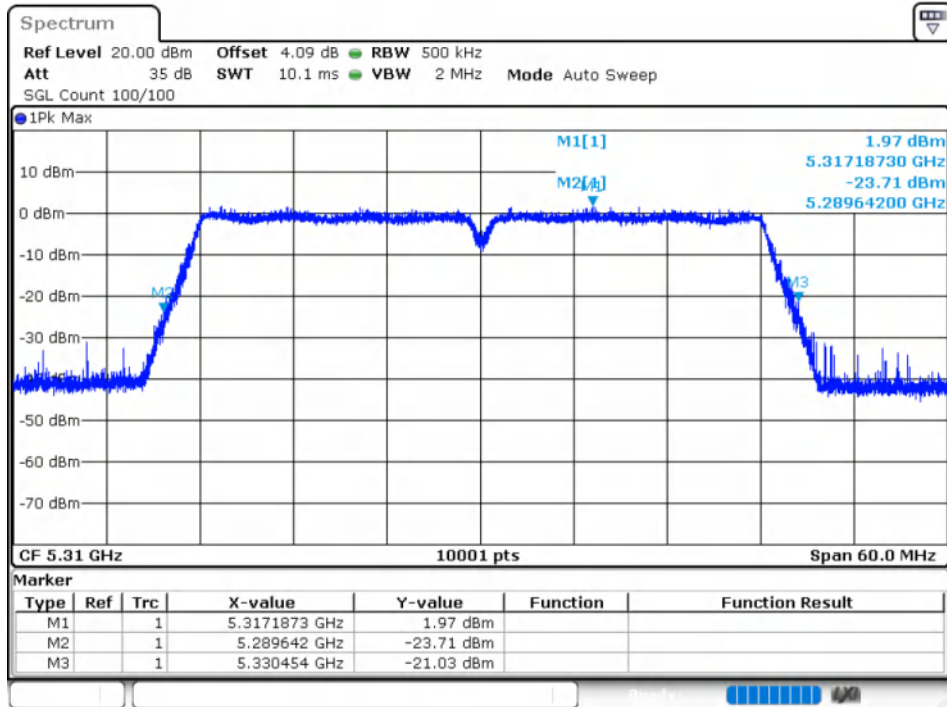
-26dB Bandwidth NVNT ac20 5320MHz Ant1



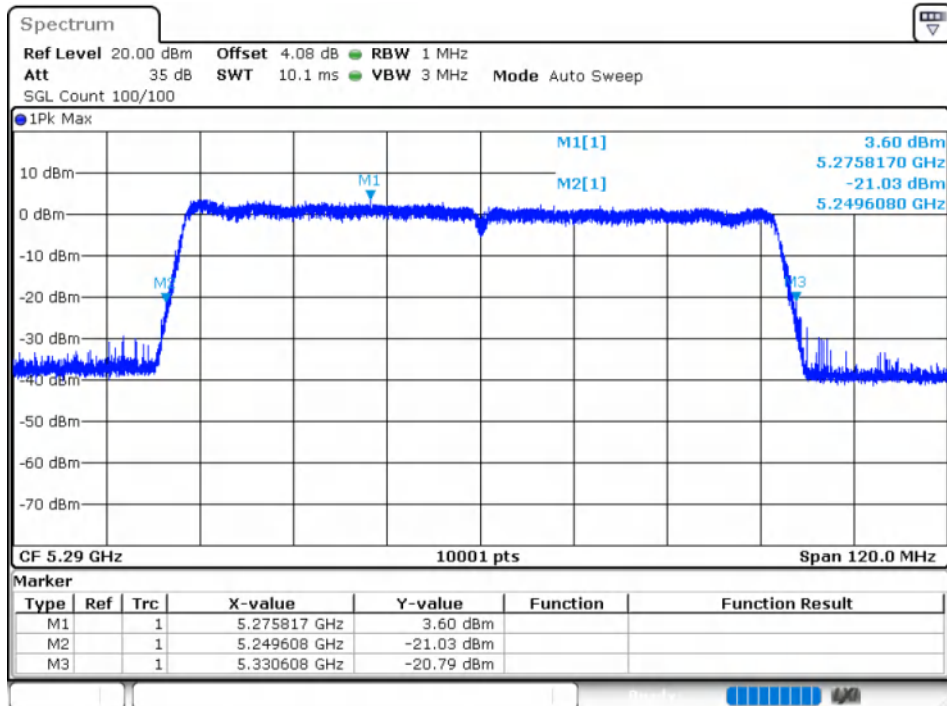
-26dB Bandwidth NVNT ac40 5270MHz Ant1



-26dB Bandwidth NVNT ac40 5310MHz Ant1



-26dB Bandwidth NVNT ac80 5290MHz Ant1

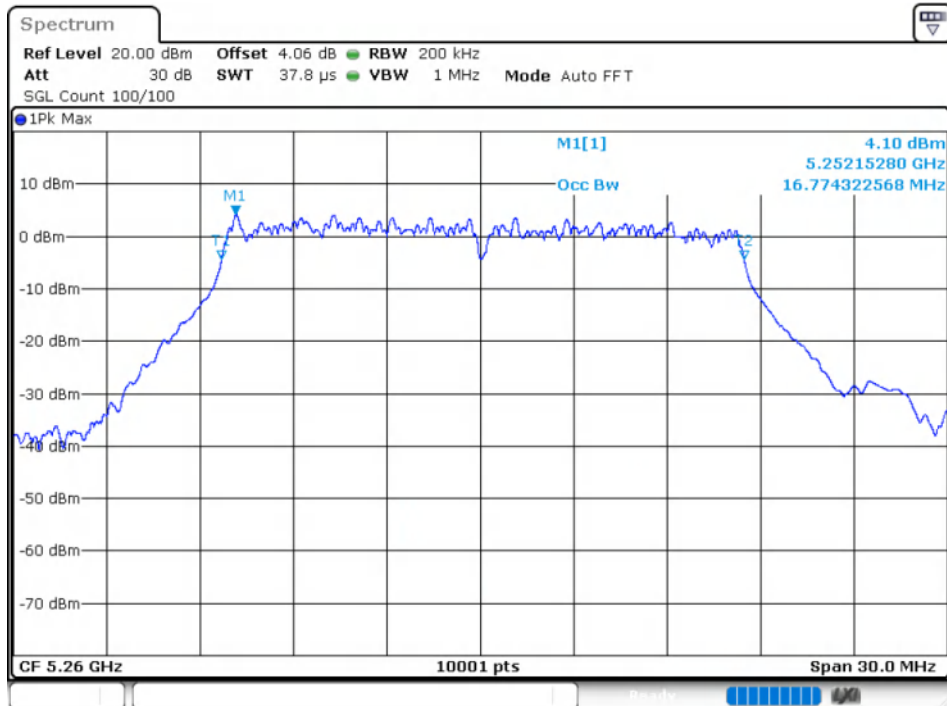


Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5260	Ant1	16.774
NVNT	a	5280	Ant1	16.792
NVNT	a	5320	Ant1	17.038
NVNT	n20	5260	Ant1	17.977
NVNT	n20	5280	Ant1	17.977
NVNT	n20	5320	Ant1	17.818
NVNT	n40	5270	Ant1	36.506
NVNT	n40	5310	Ant1	36.518
NVNT	ac20	5260	Ant1	17.779
NVNT	ac20	5280	Ant1	17.854
NVNT	ac20	5320	Ant1	17.935
NVNT	ac40	5270	Ant1	36.5
NVNT	ac40	5310	Ant1	36.494
NVNT	ac80	5290	Ant1	75.544

Test Graphs

OBW NVNT a 5260MHz Ant1



OBW NVNT a 5280MHz Ant1

