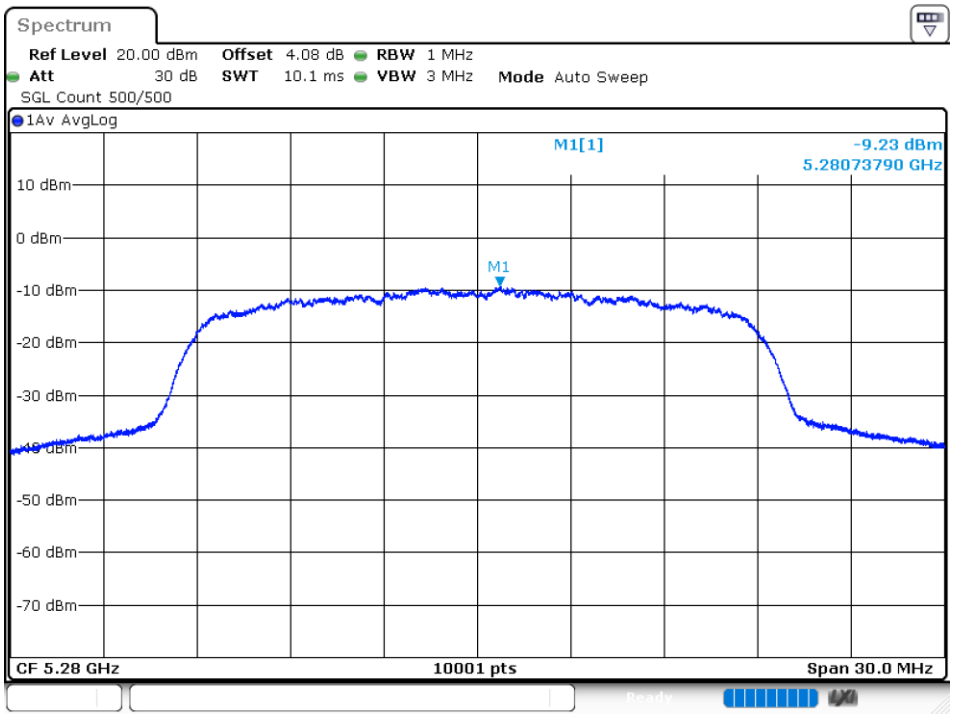
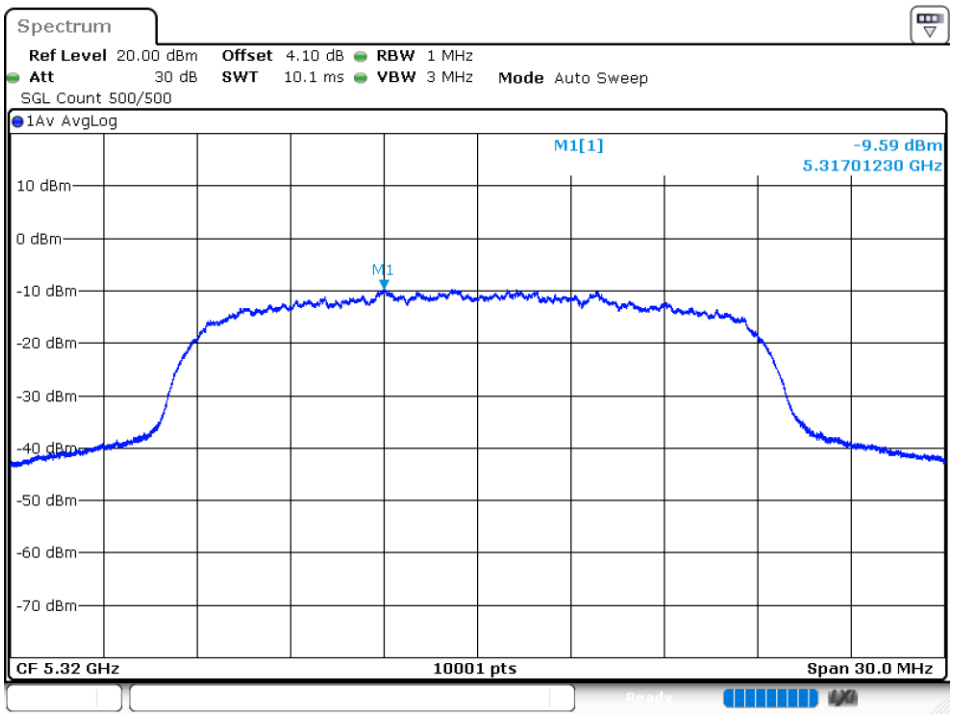
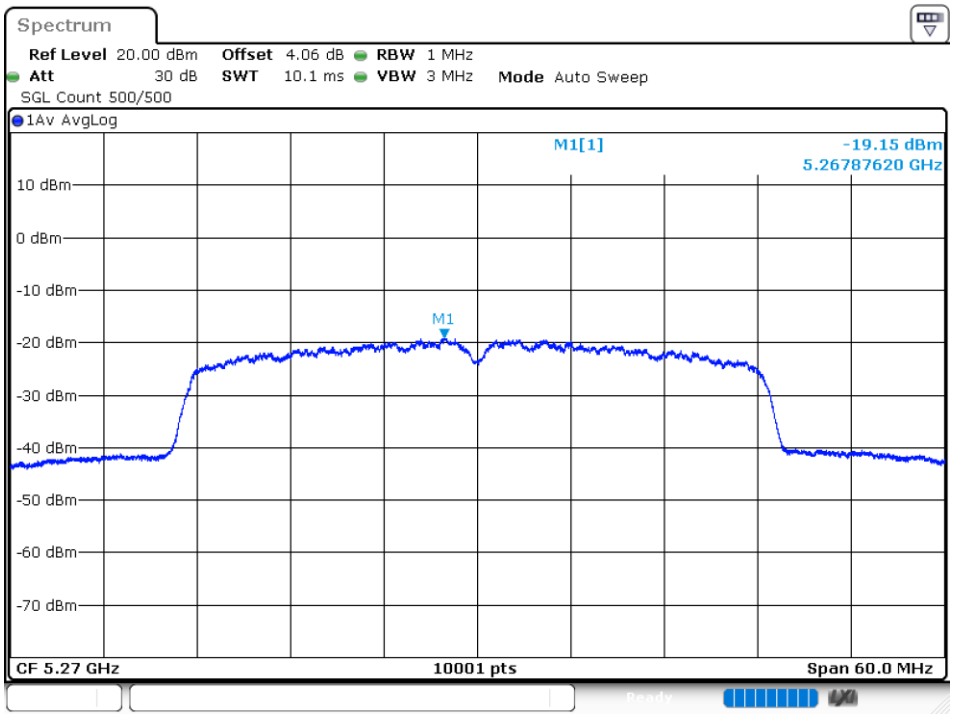
PSD NVNT n20 5280MHz Ant1



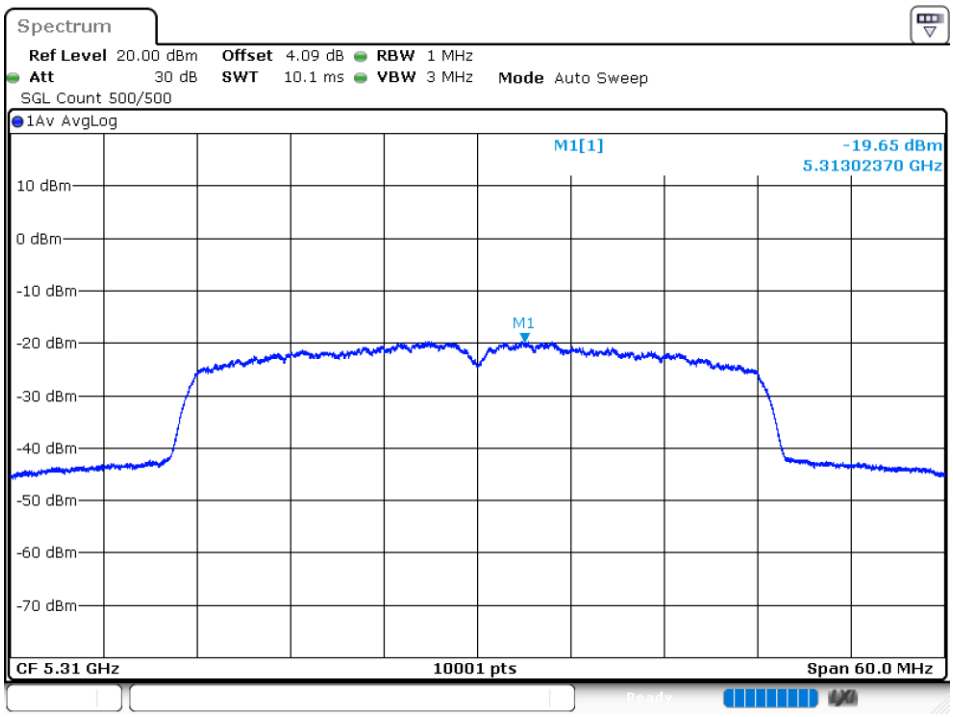
PSD NVNT n20 5320MHz Ant1



PSD NVNT n40 5270MHz Ant1



PSD NVNT n40 5310MHz Ant1



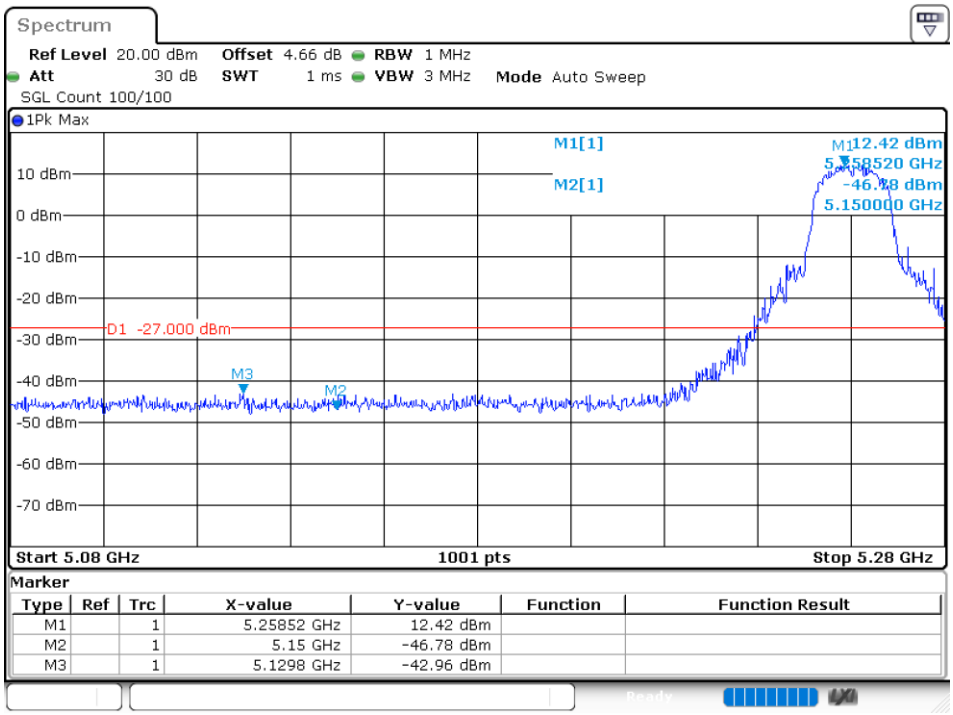
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	-42.96	-27	Pass
NVNT	a	5320	Ant1	-38.39	-27	Pass
NVNT	n20	5260	Ant1	-43.34	-27	Pass
NVNT	n20	5320	Ant1	-39.6	-27	Pass
NVNT	n40	5270	Ant1	-42.85	-27	Pass
NVNT	n40	5310	Ant1	-29.53	-27	Pass

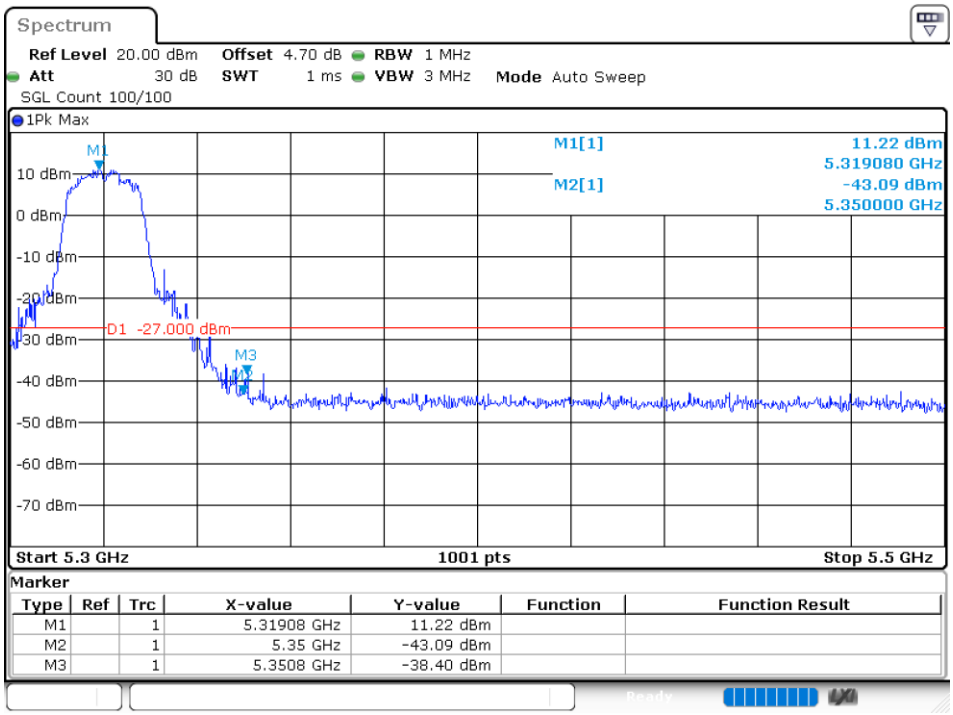
Note: Tested with increased antenna gain.

Test Graphs

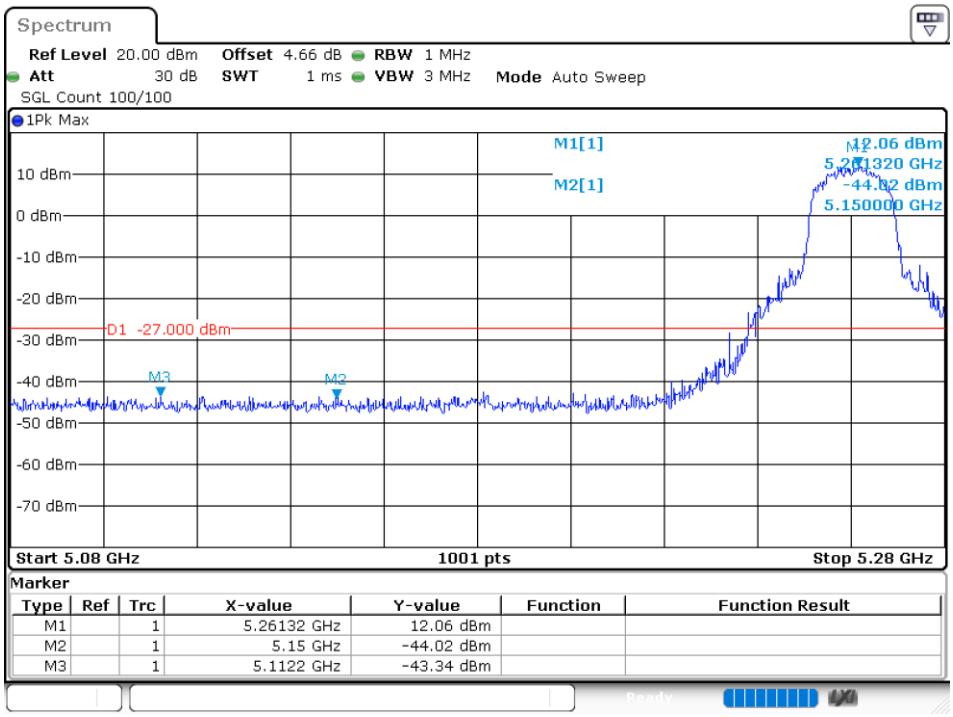
Band Edge NVNT a 5260MHz Low Ant1



Band Edge NVNT a 5320MHz High Ant1

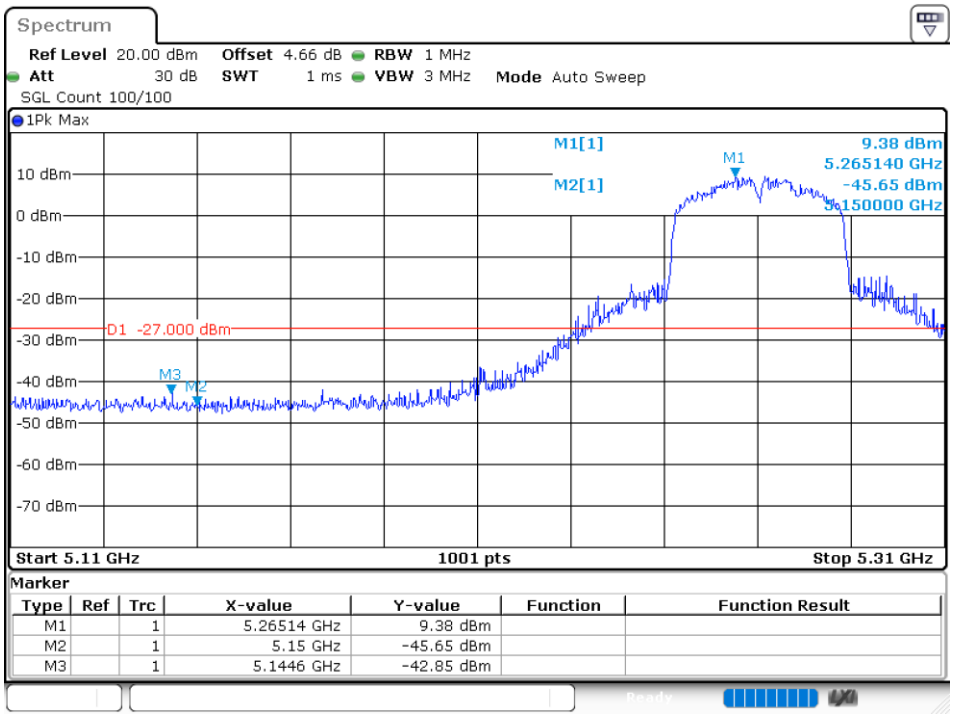


Band Edge NVNT n20 5260MHz Low Ant1

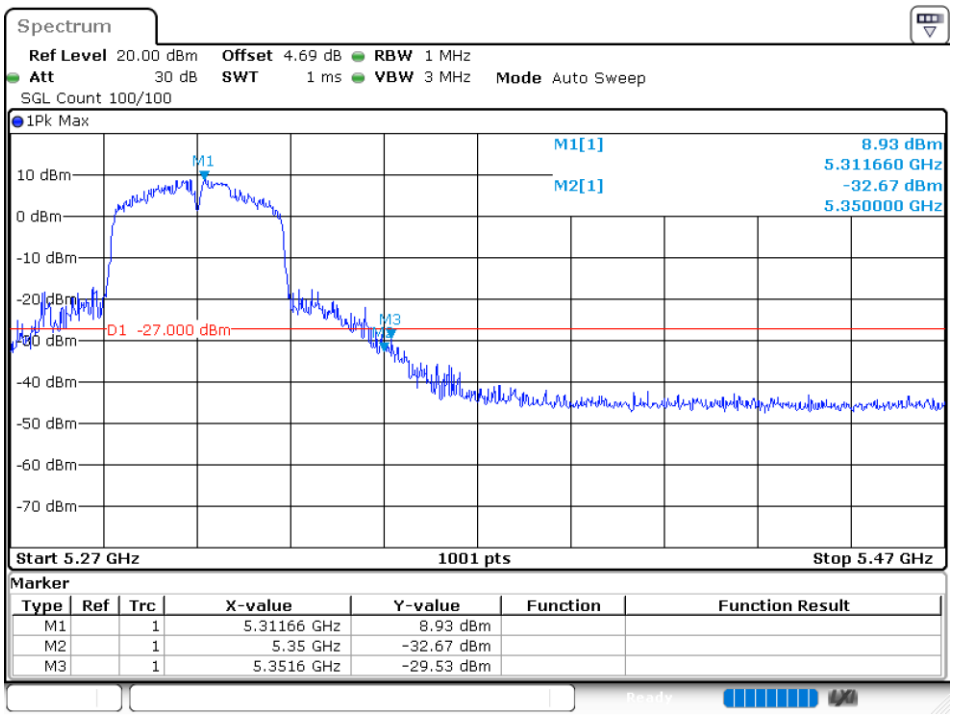


Band Edge NVNT n20 5320MHz High Ant1

Band Edge NVNT n40 5270MHz Low Ant1



Band Edge NVNT n40 5310MHz High Ant1



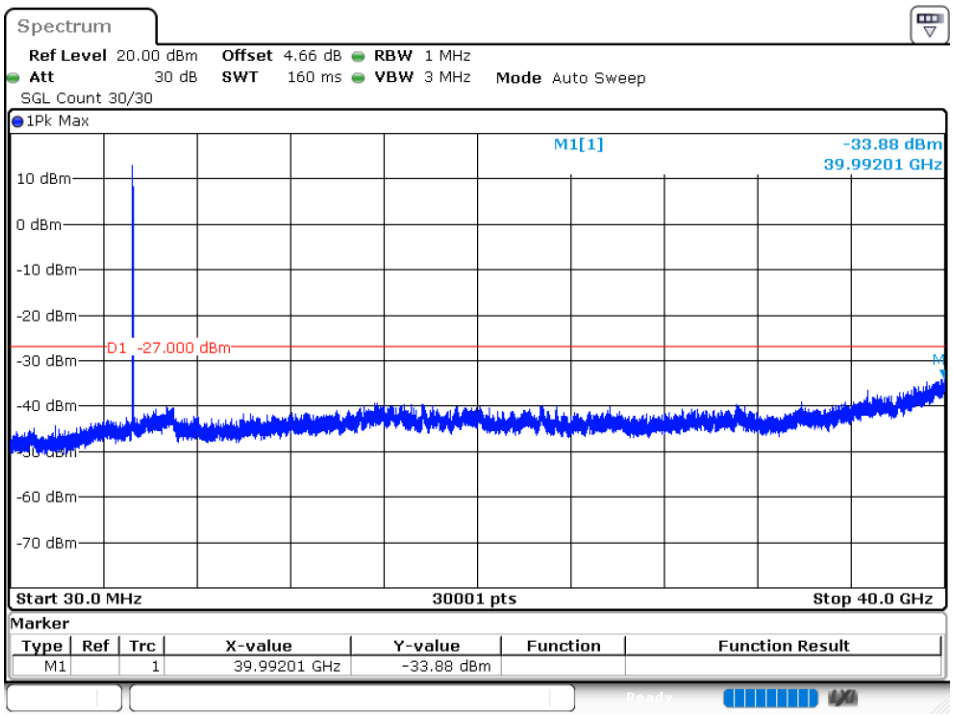
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	-33.88	-27	Pass
NVNT	a	5280	Ant1	-33.53	-27	Pass
NVNT	a	5320	Ant1	-33.49	-27	Pass
NVNT	n20	5260	Ant1	-34	-27	Pass
NVNT	n20	5280	Ant1	-34.28	-27	Pass
NVNT	n20	5320	Ant1	-34.19	-27	Pass
NVNT	n40	5270	Ant1	-34	-27	Pass
NVNT	n40	5310	Ant1	-32.85	-27	Pass

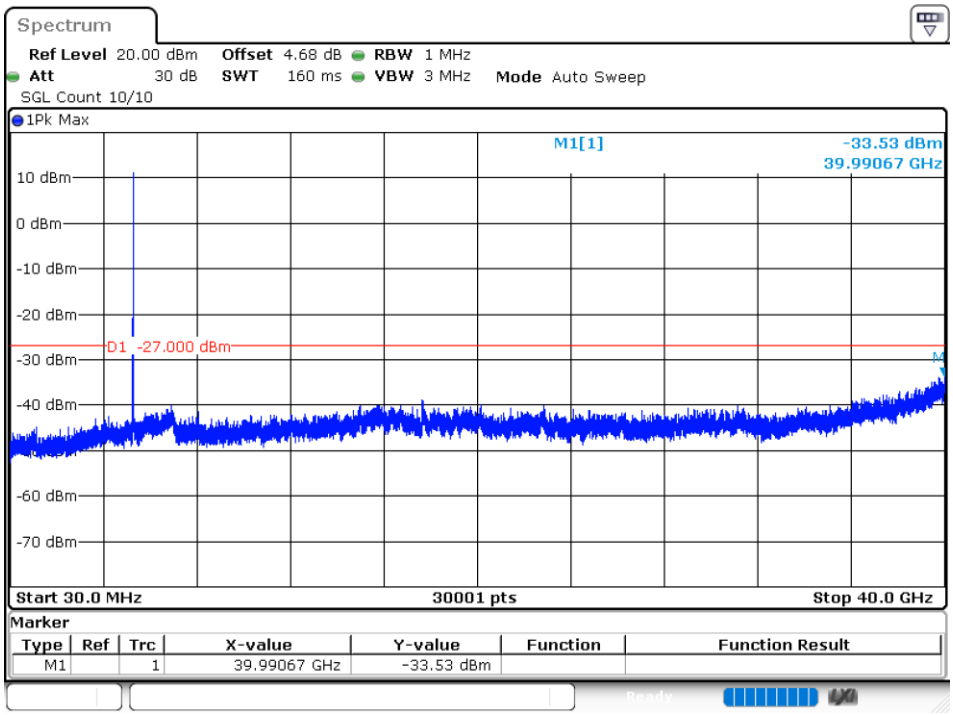
Note: Tested with increased antenna gain.

Test Graphs

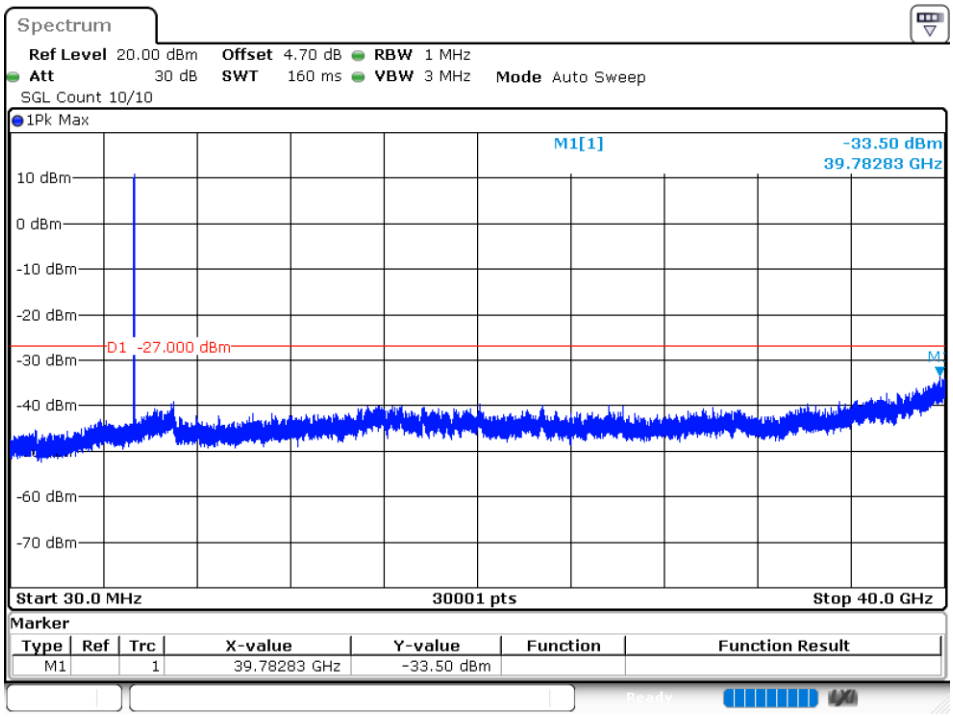
Tx. Spurious NVNT a 5260MHz Ant1 Emission



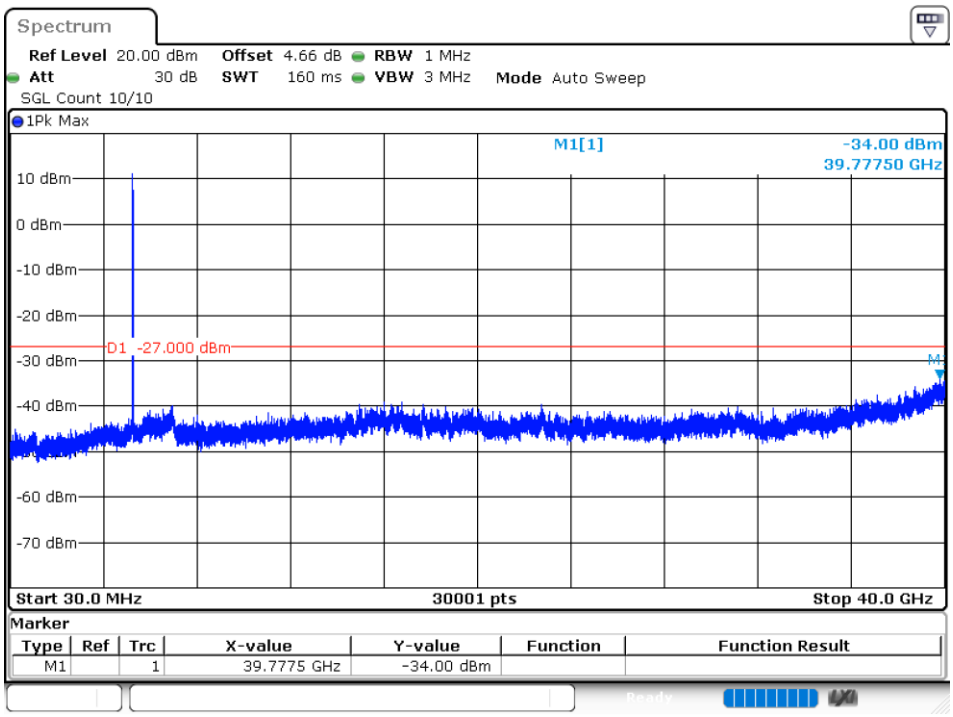
Tx. Spurious NVNT a 5280MHz Ant1 Emission



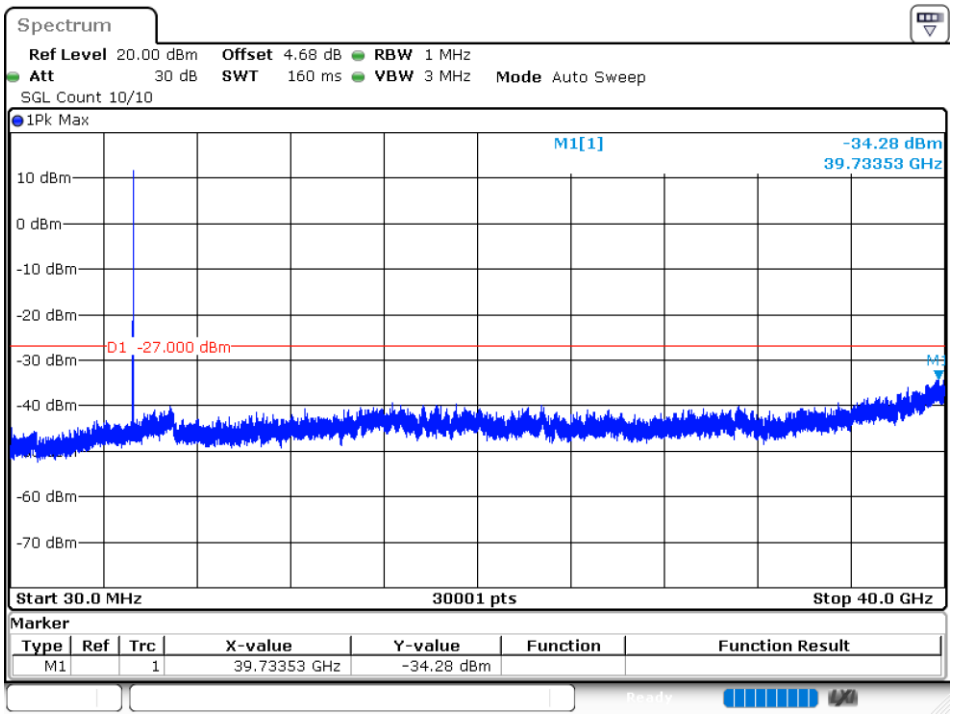
Tx. Spurious NVNT a 5320MHz Ant1 Emission



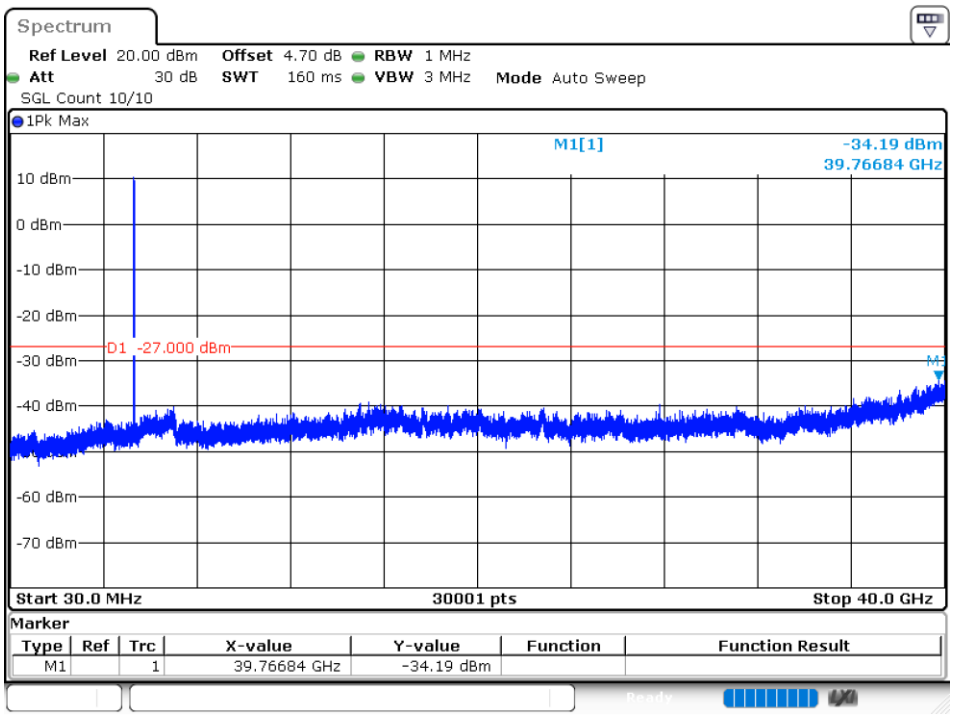
Tx. Spurious NVNT n20 5260MHz Ant1 Emission



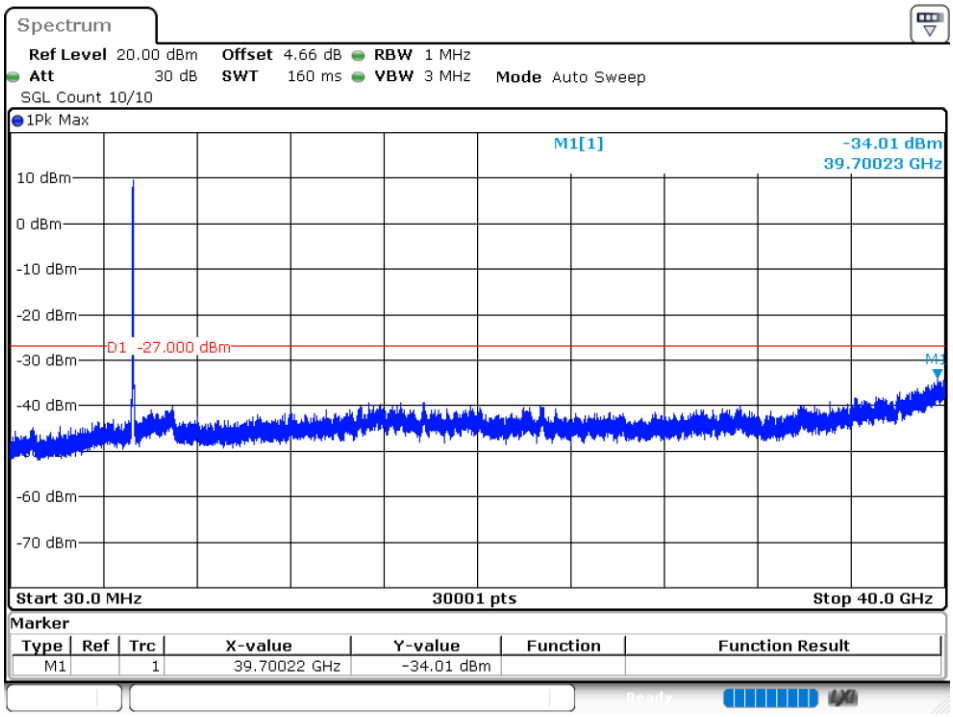
Tx. Spurious NVNT n20 5280MHz Ant1 Emission



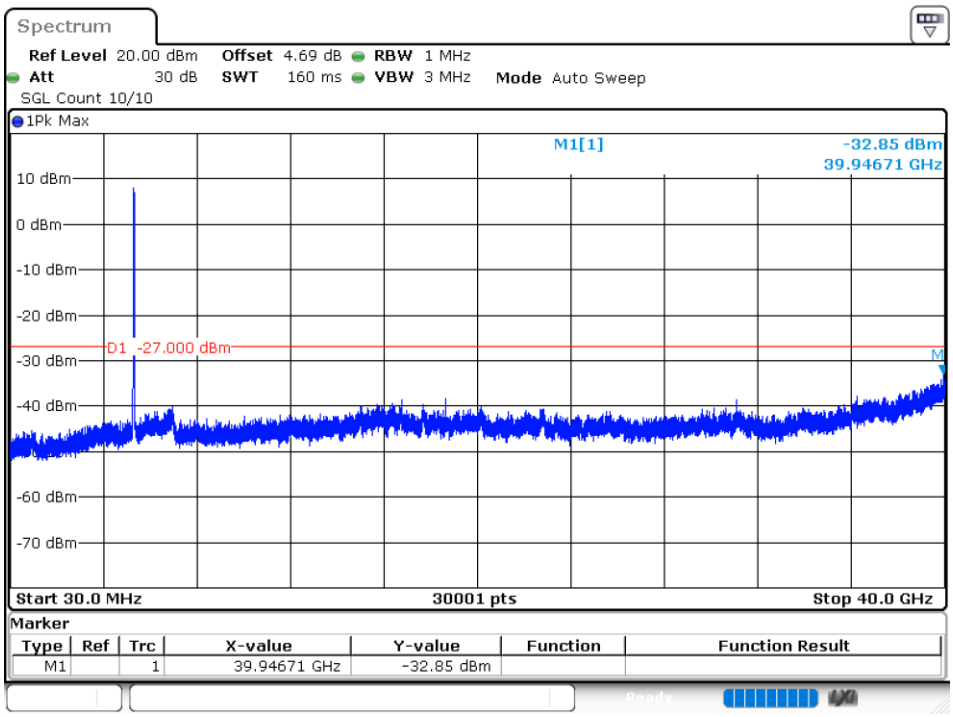
Tx. Spurious NVNT n20 5320MHz Ant1 Emission



Tx. Spurious NVNT n40 5270MHz Ant1 Emission



Tx. Spurious NVNT n40 5310MHz Ant1 Emission



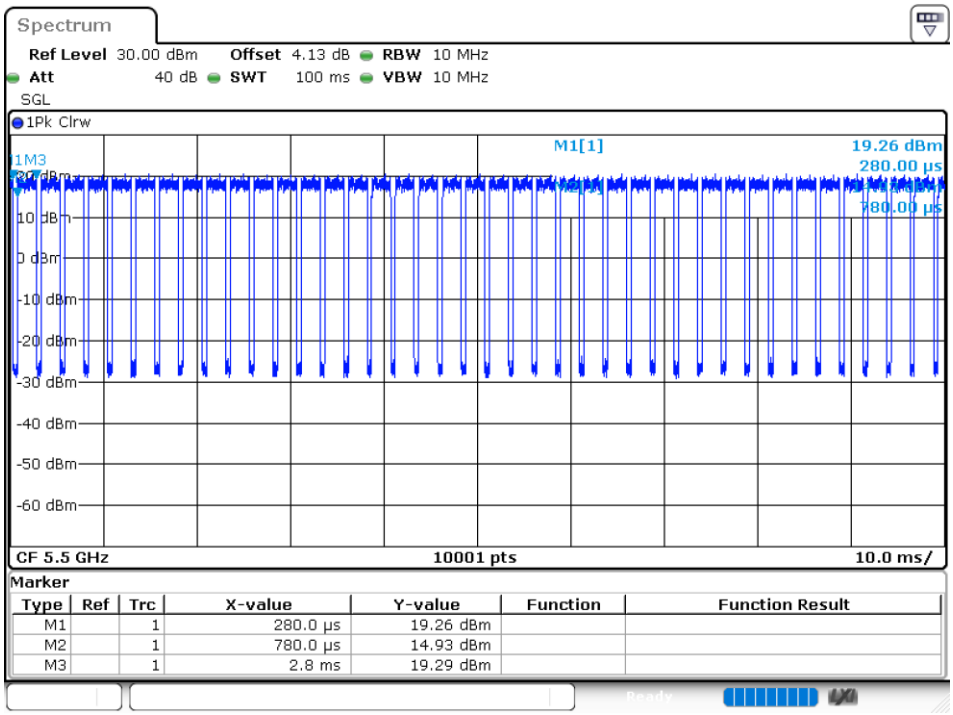
5.6G WIFI

Duty Cycle

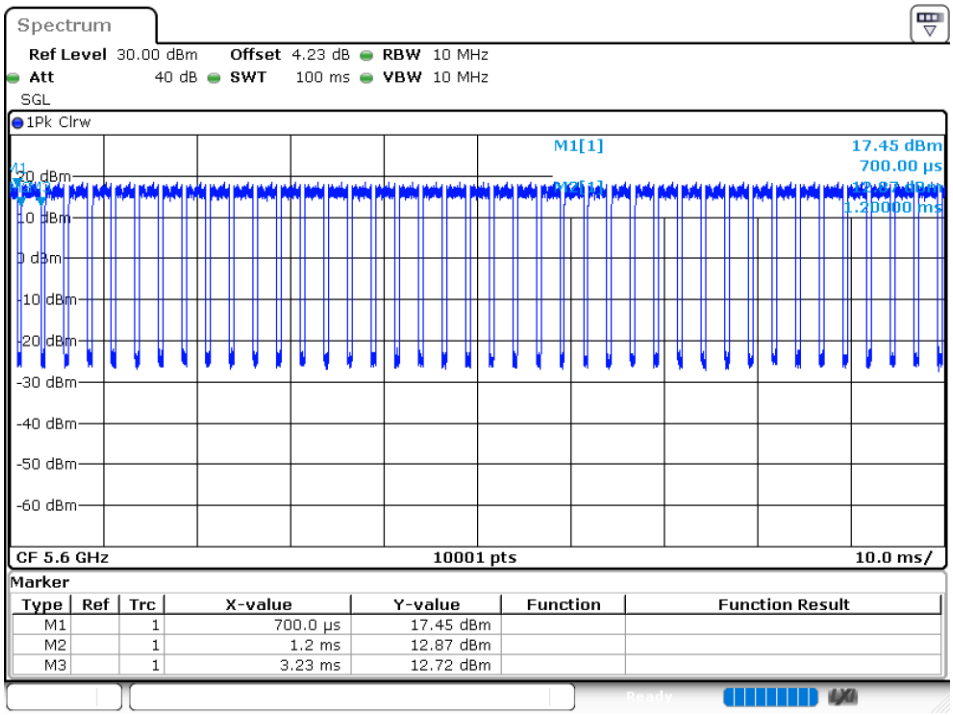
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5500	Ant1	80.31	0.95	0.5
NVNT	a	5600	Ant1	80.31	0.95	0.49
NVNT	a	5700	Ant1	80.79	0.93	0.5
NVNT	n20	5500	Ant1	79.32	1.01	0.53
NVNT	n20	5600	Ant1	79.33	1.01	0.53
NVNT	n20	5700	Ant1	79.3	1.01	0.53
NVNT	n40	5510	Ant1	65.58	1.83	1.08
NVNT	n40	5590	Ant1	65.59	1.83	1.08
NVNT	n40	5670	Ant1	65.69	1.82	1.08

Test Graphs

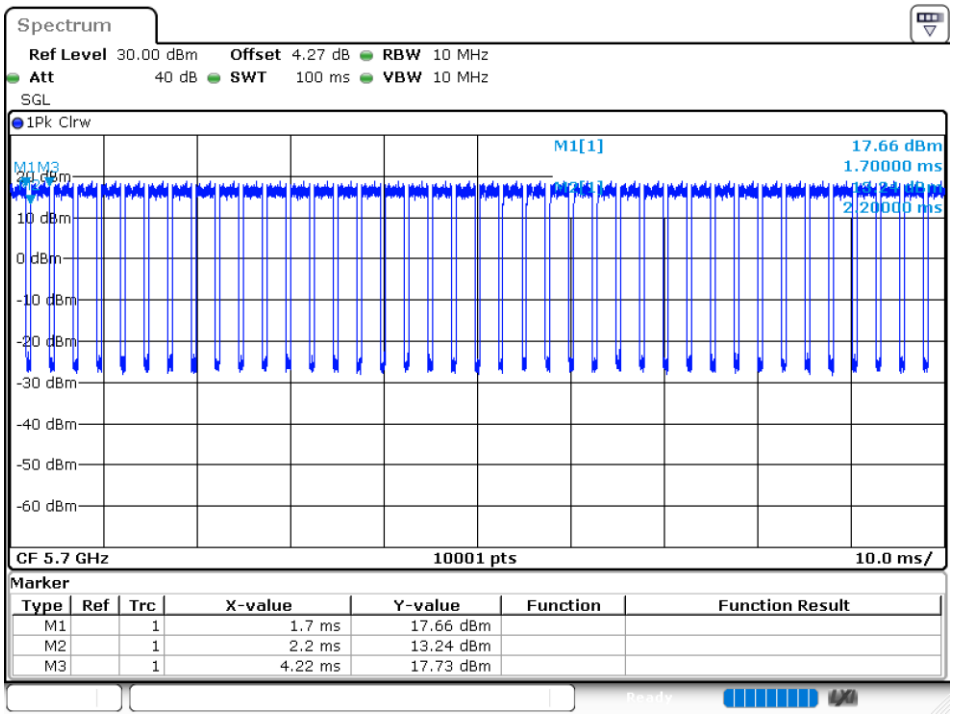
Duty Cycle NVNT a 5500MHz Ant1



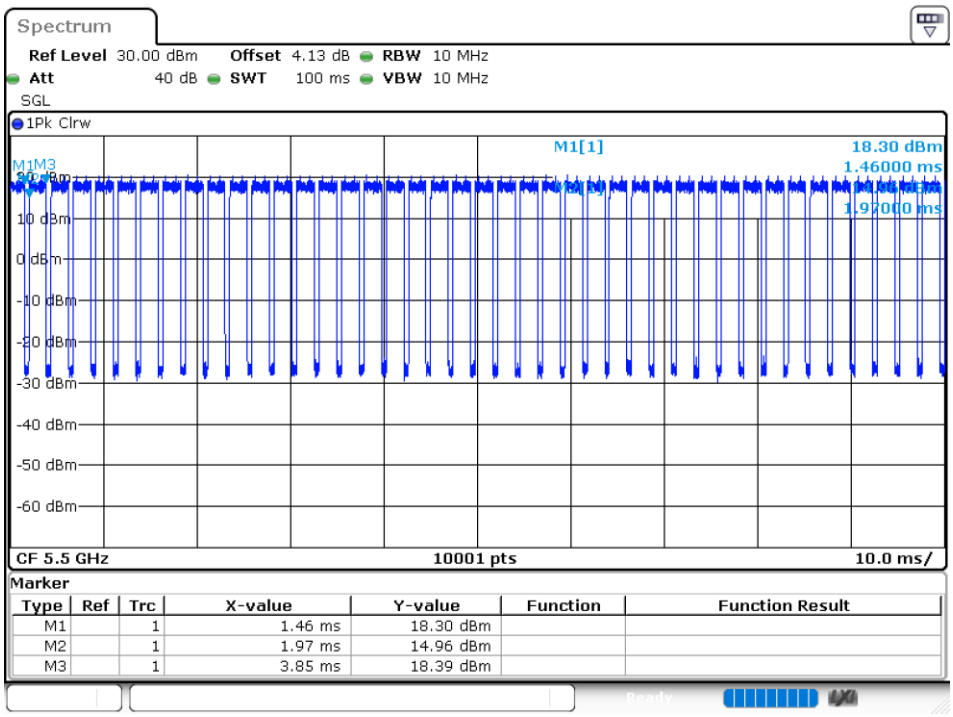
Duty Cycle NVNT a 5600MHz Ant1



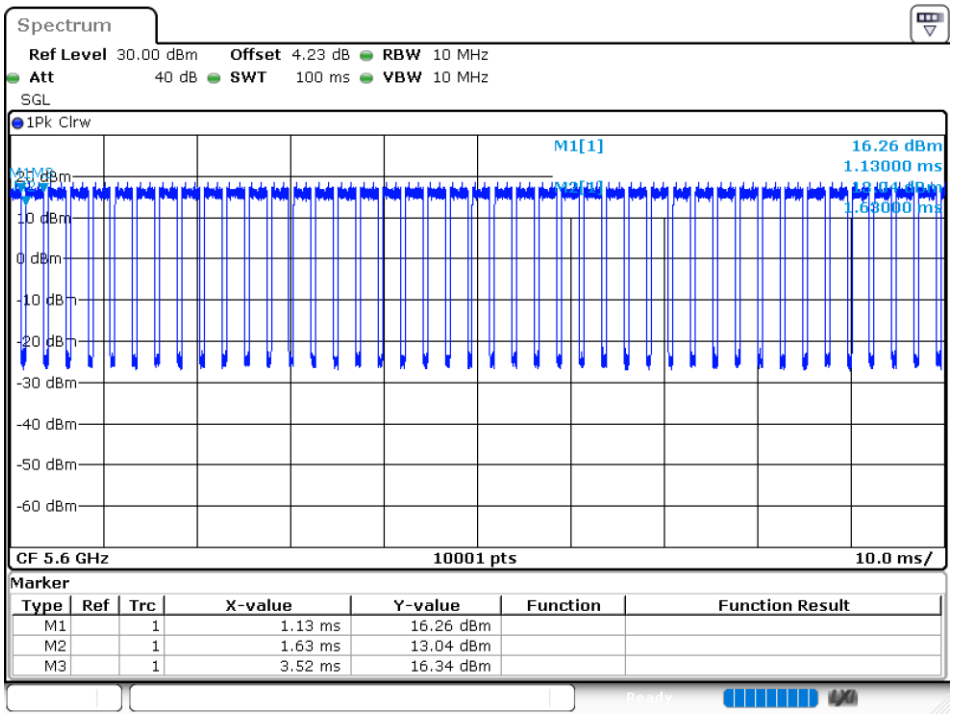
Duty Cycle NVNT a 5700MHz Ant1



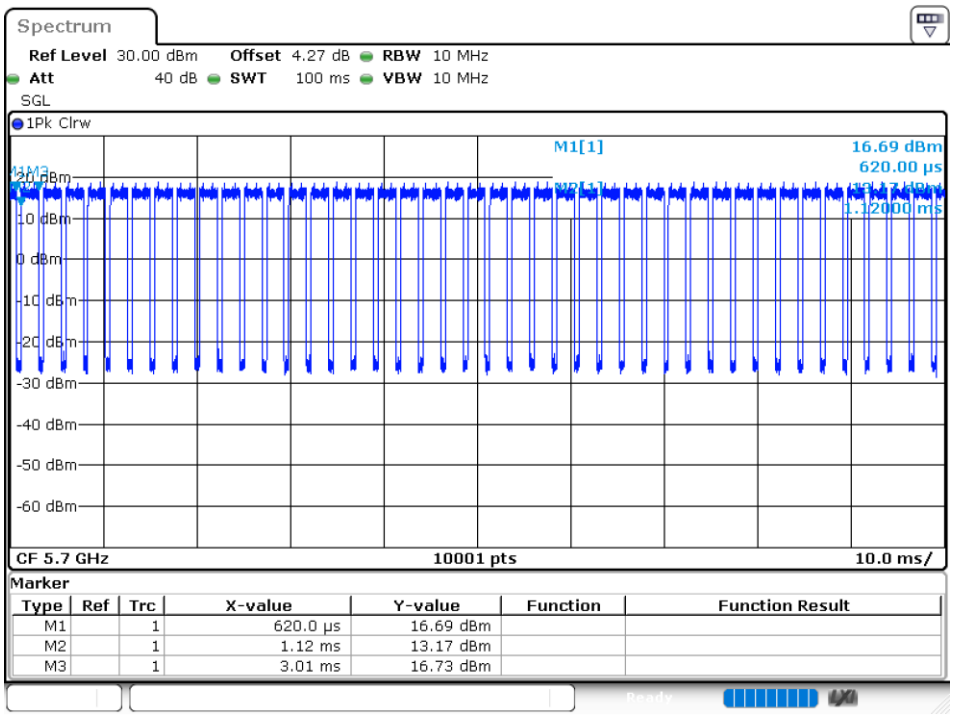
Duty Cycle NVNT n20 5500MHz Ant1



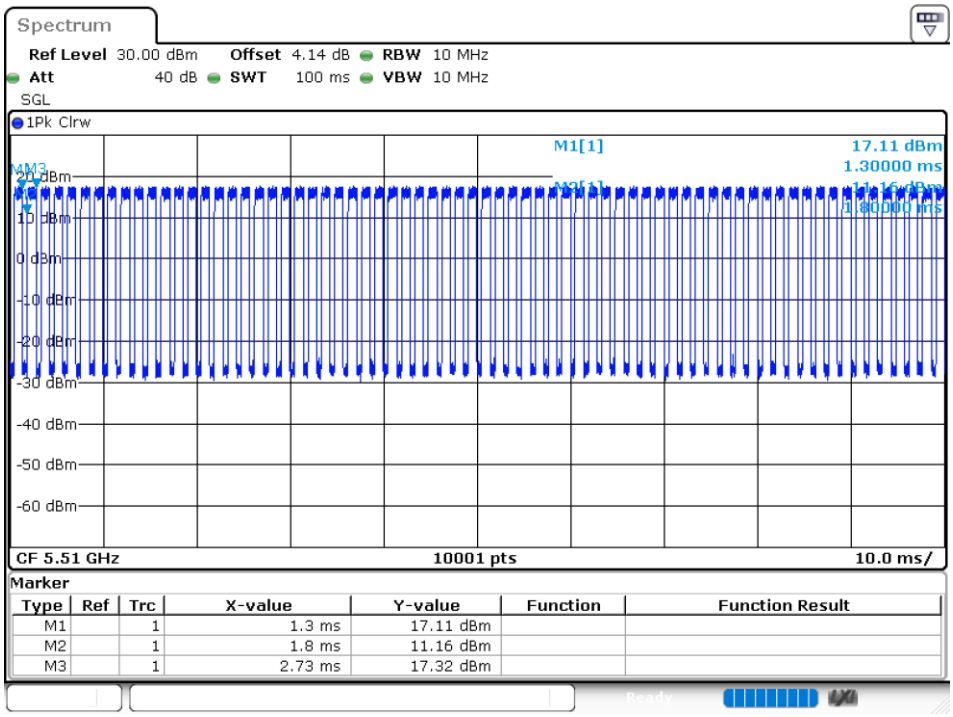
Duty Cycle NVNT n20 5600MHz Ant1



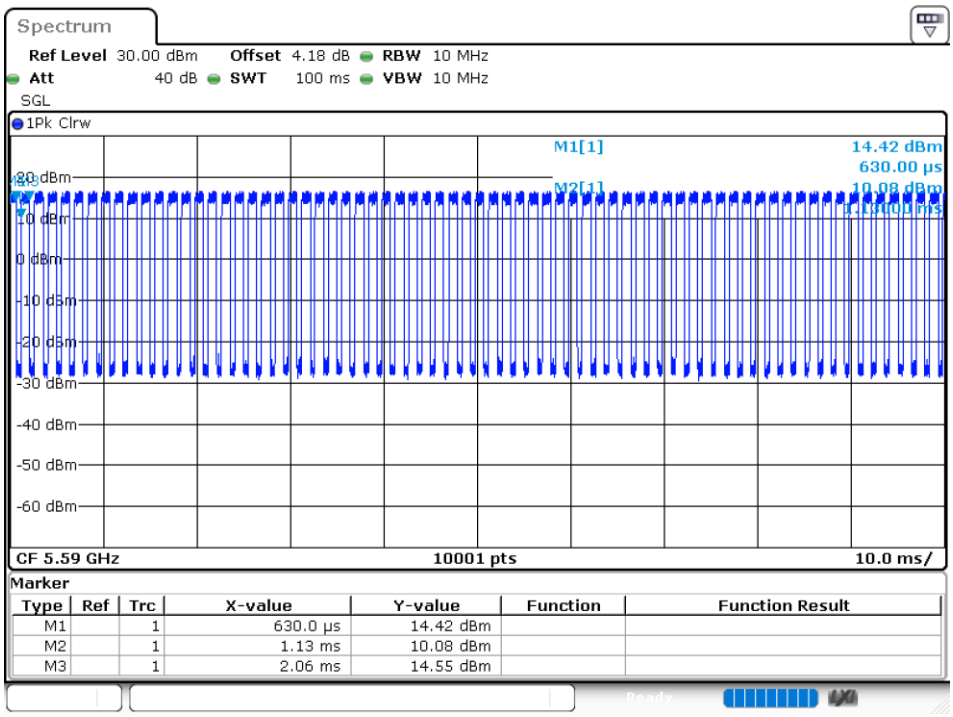
Duty Cycle NVNT n20 5700MHz Ant1



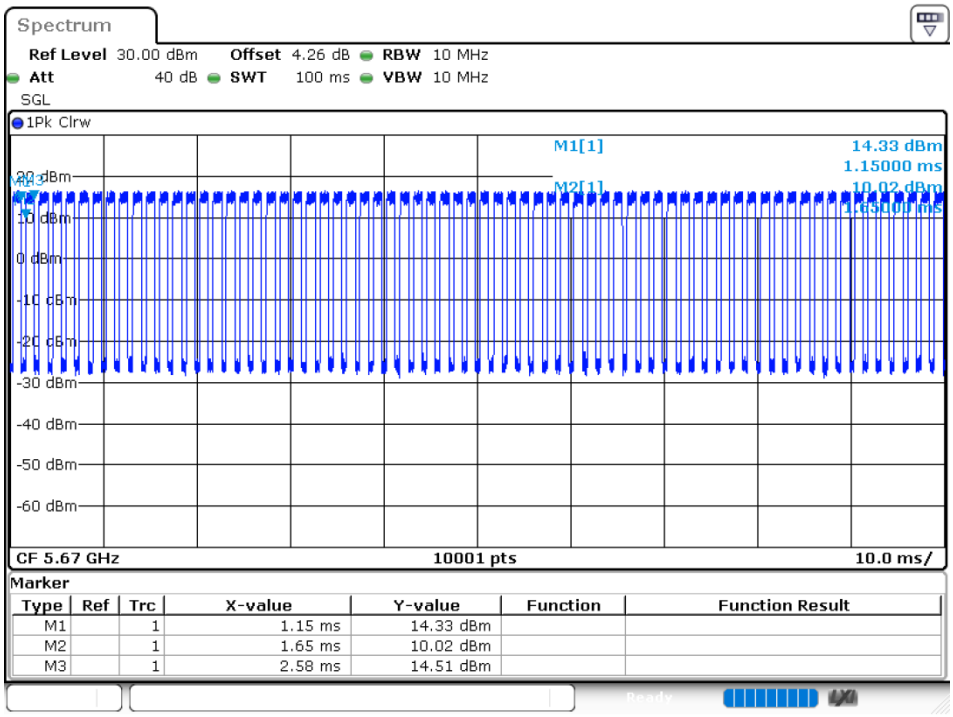
Duty Cycle NVNT n40 5510MHz Ant1



Duty Cycle NVNT n40 5590MHz Ant1



Duty Cycle NVNT n40 5670MHz Ant1



Maximum Conducted Output Power

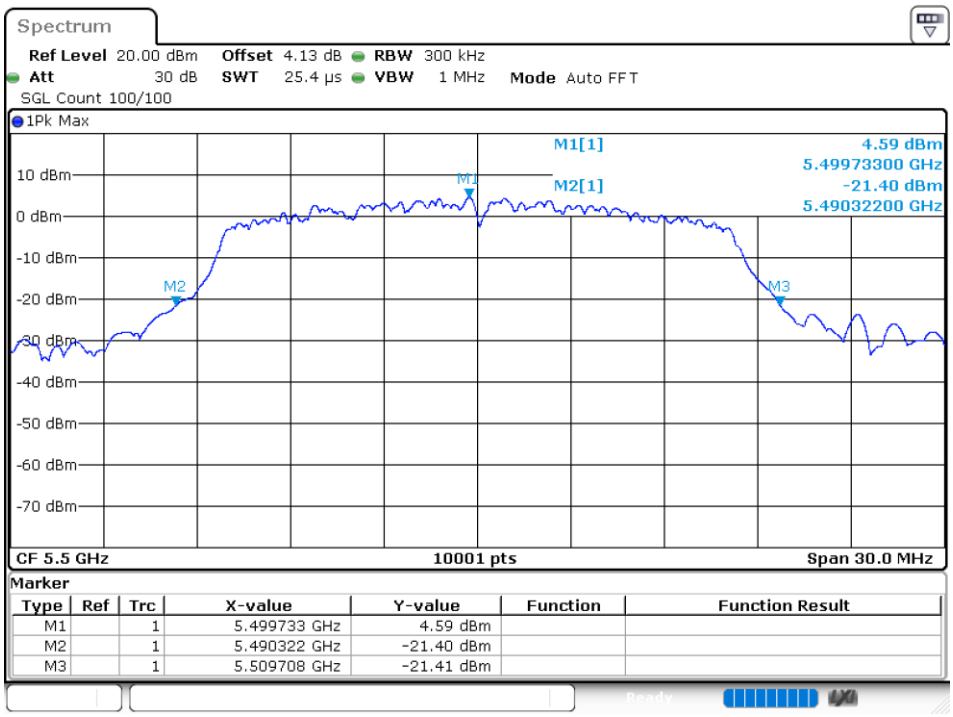
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	14	24	Pass
NVNT	a	5600	Ant1	12.32	24	Pass
NVNT	a	5700	Ant1	12.12	24	Pass
NVNT	n20	5500	Ant1	13.9	24	Pass
NVNT	n20	5600	Ant1	12.26	24	Pass
NVNT	n20	5700	Ant1	11.9	24	Pass
NVNT	n40	5510	Ant1	13.82	24	Pass
NVNT	n40	5590	Ant1	12.56	24	Pass
NVNT	n40	5670	Ant1	12.41	24	Pass

-26dB Bandwidth

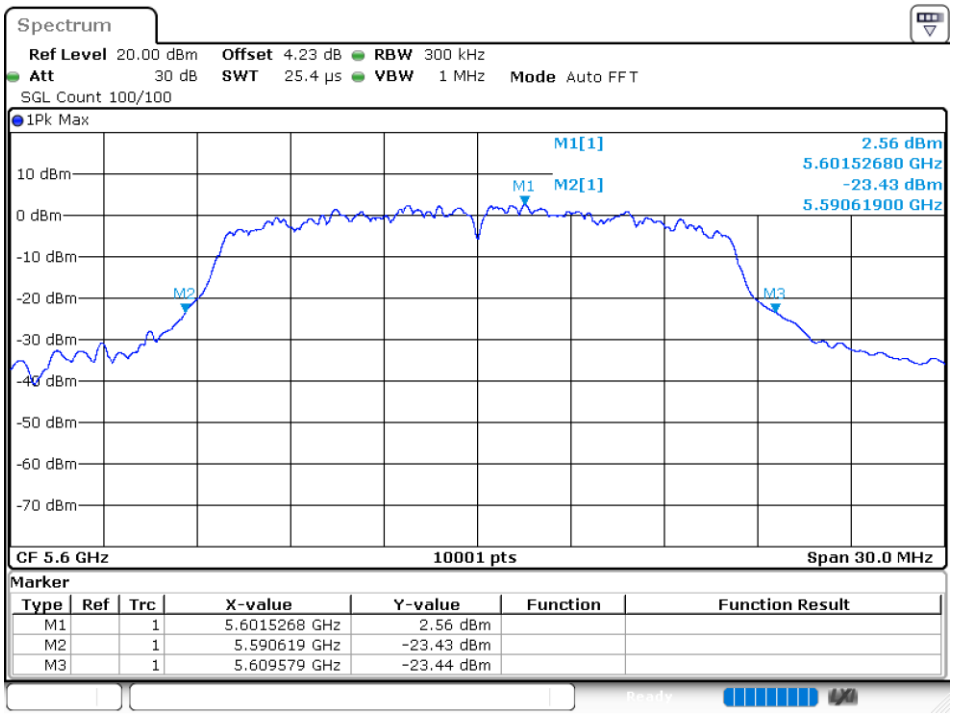
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5500	Ant1	19.386	Pass
NVNT	a	5600	Ant1	18.96	Pass
NVNT	a	5700	Ant1	19.533	Pass
NVNT	n20	5500	Ant1	20.067	Pass
NVNT	n20	5600	Ant1	19.824	Pass
NVNT	n20	5700	Ant1	19.854	Pass
NVNT	n40	5510	Ant1	38.274	Pass
NVNT	n40	5590	Ant1	38.166	Pass
NVNT	n40	5670	Ant1	38.274	Pass

Test Graphs

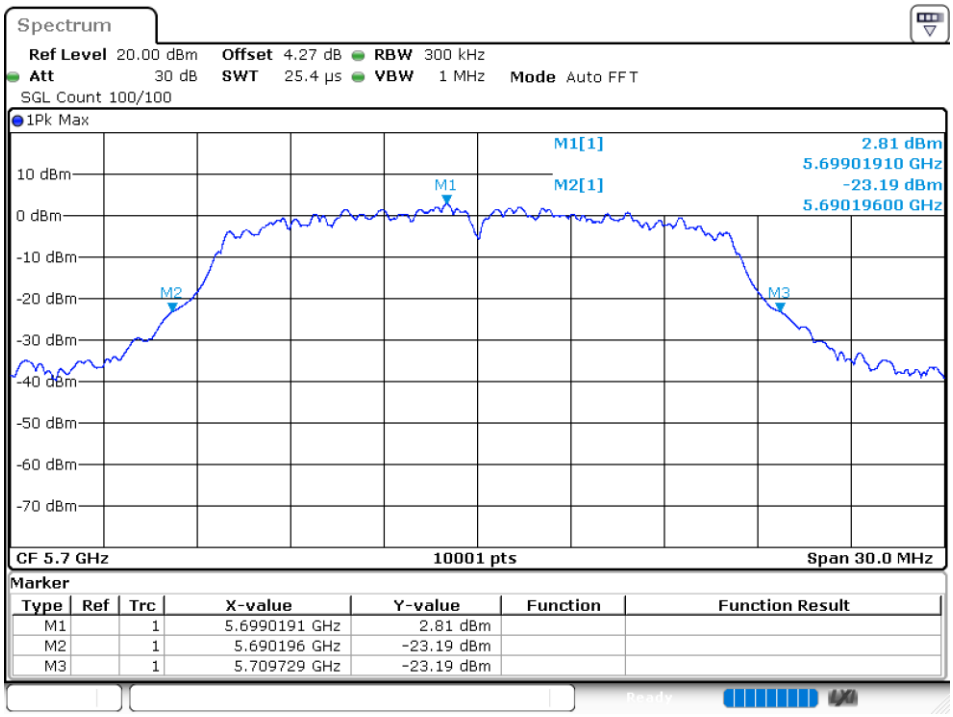
-26dB Bandwidth NVNT a 5500MHz Ant1



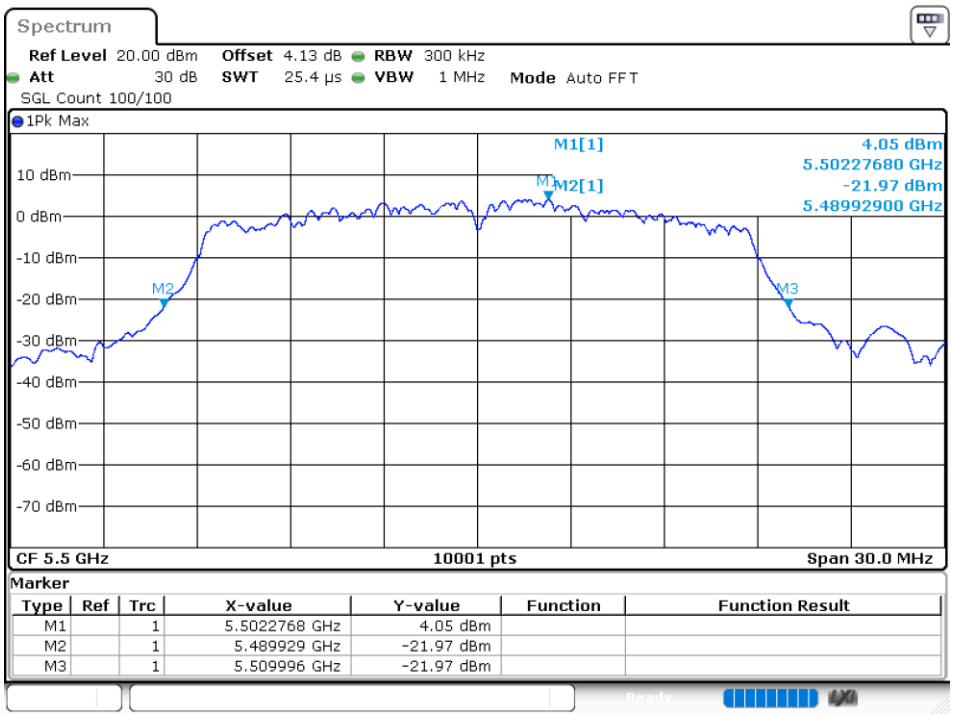
-26dB Bandwidth NVNT a 5600MHz Ant1



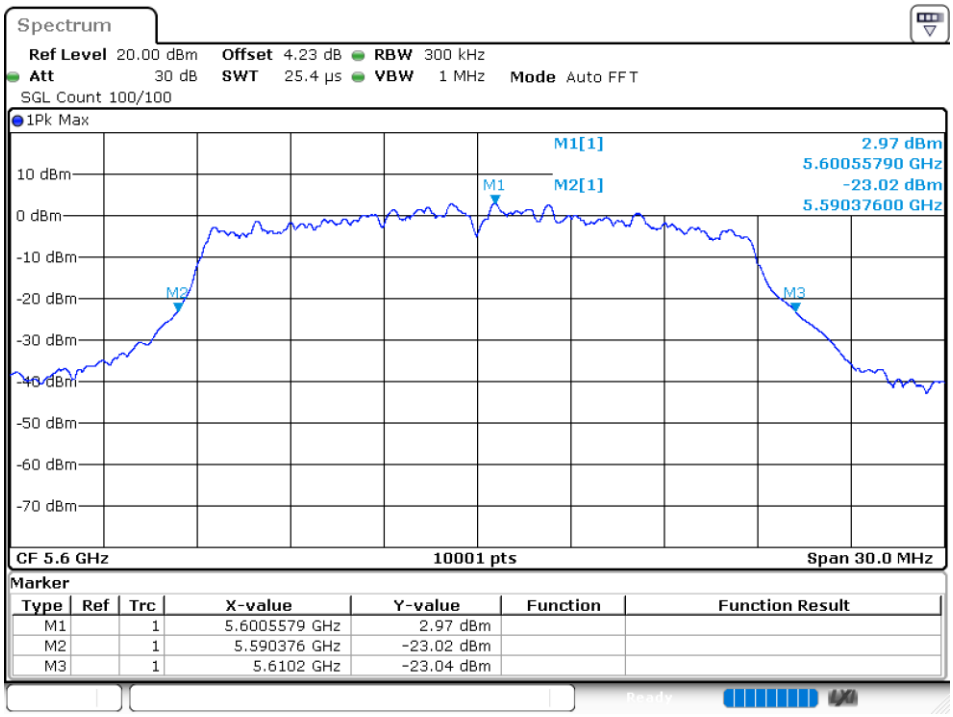
-26dB Bandwidth NVNT a 5700MHz Ant1



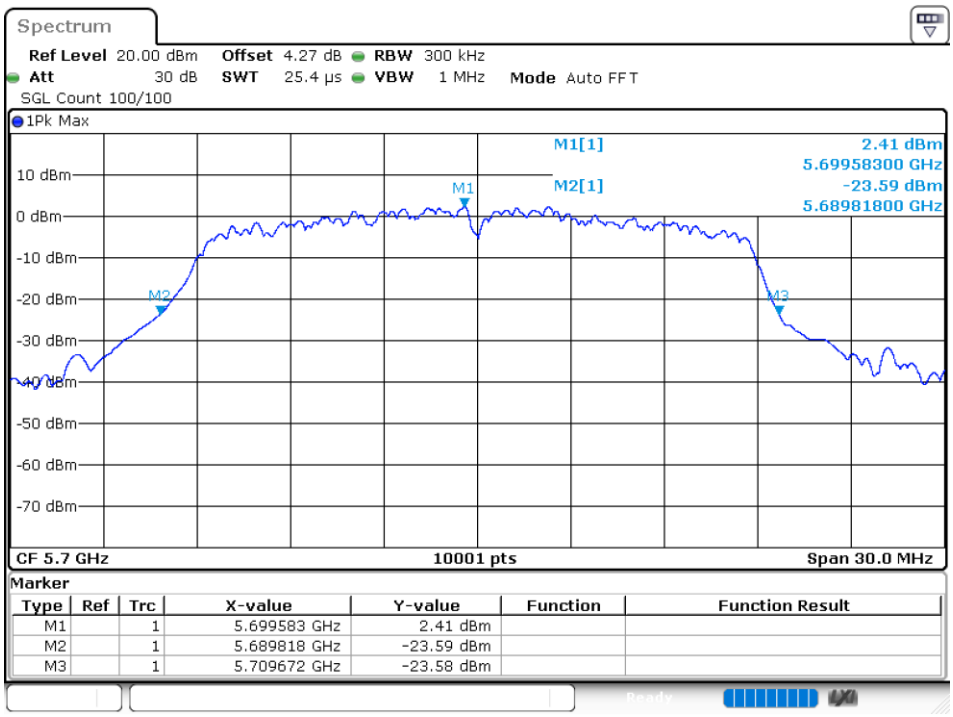
-26dB Bandwidth NVNT n20 5500MHz Ant1



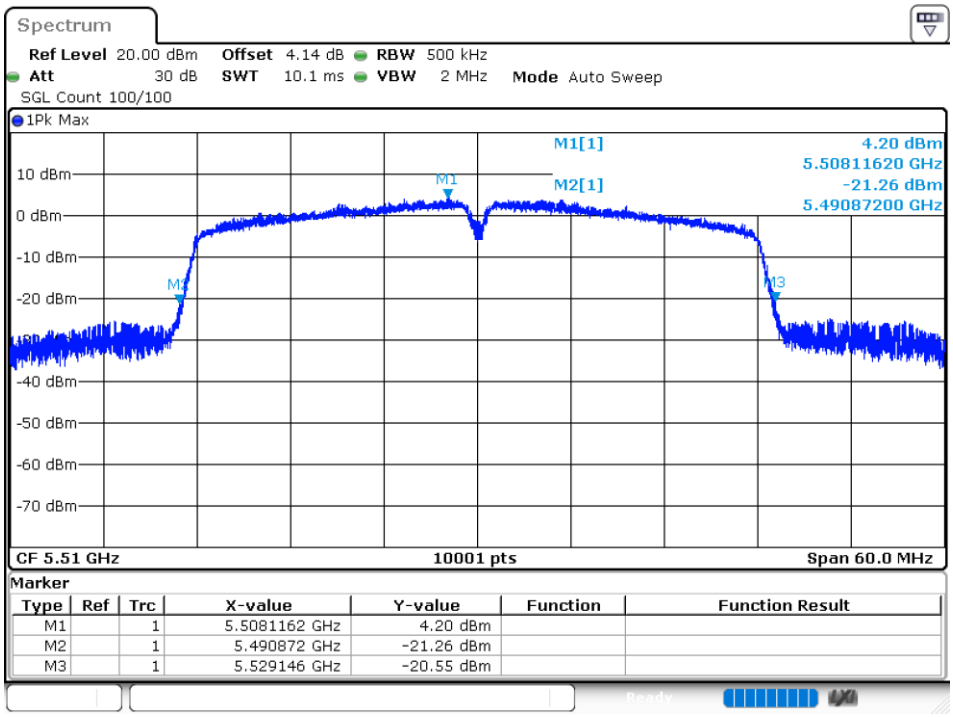
-26dB Bandwidth NVNT n20 5600MHz Ant1



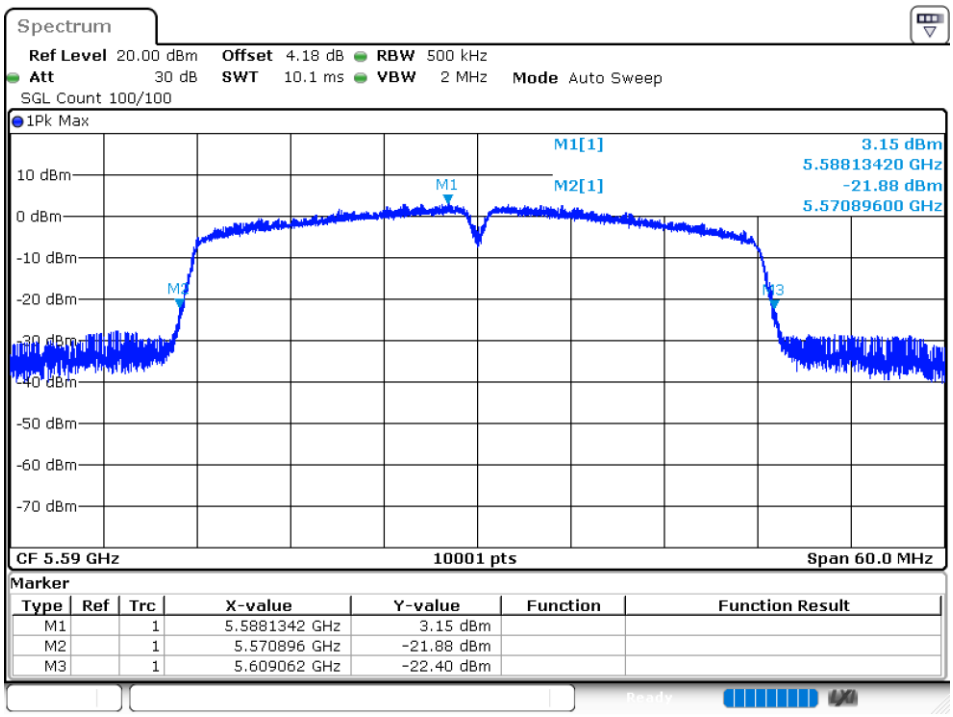
-26dB Bandwidth NVNT n20 5700MHz Ant1



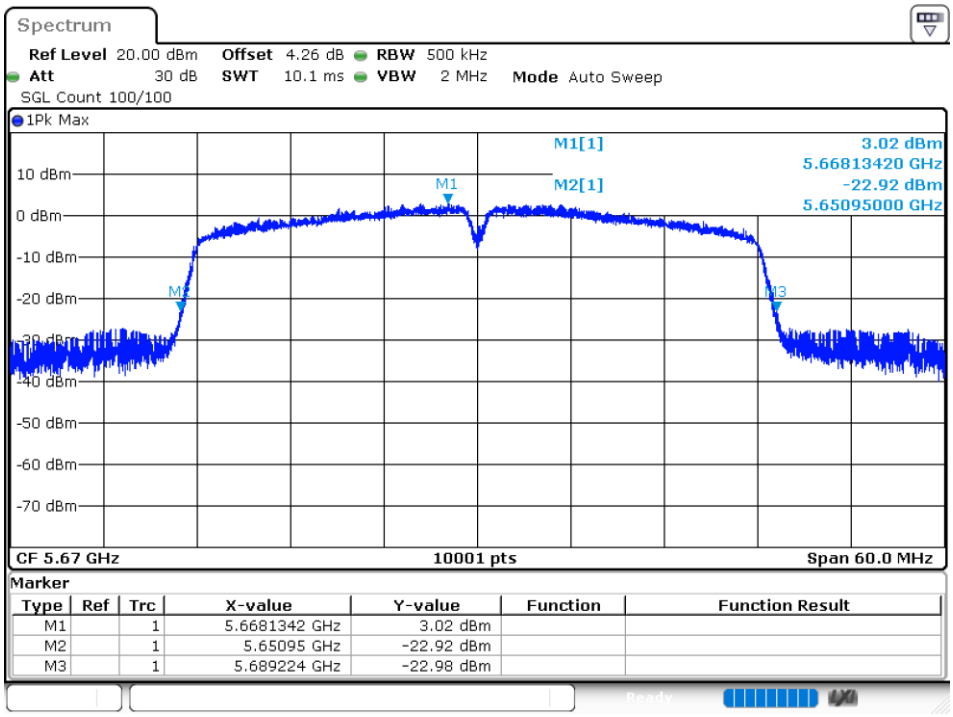
-26dB Bandwidth NVNT n40 5510MHz Ant1



-26dB Bandwidth NVNT n40 5590MHz Ant1



-26dB Bandwidth NVNT n40 5670MHz Ant1

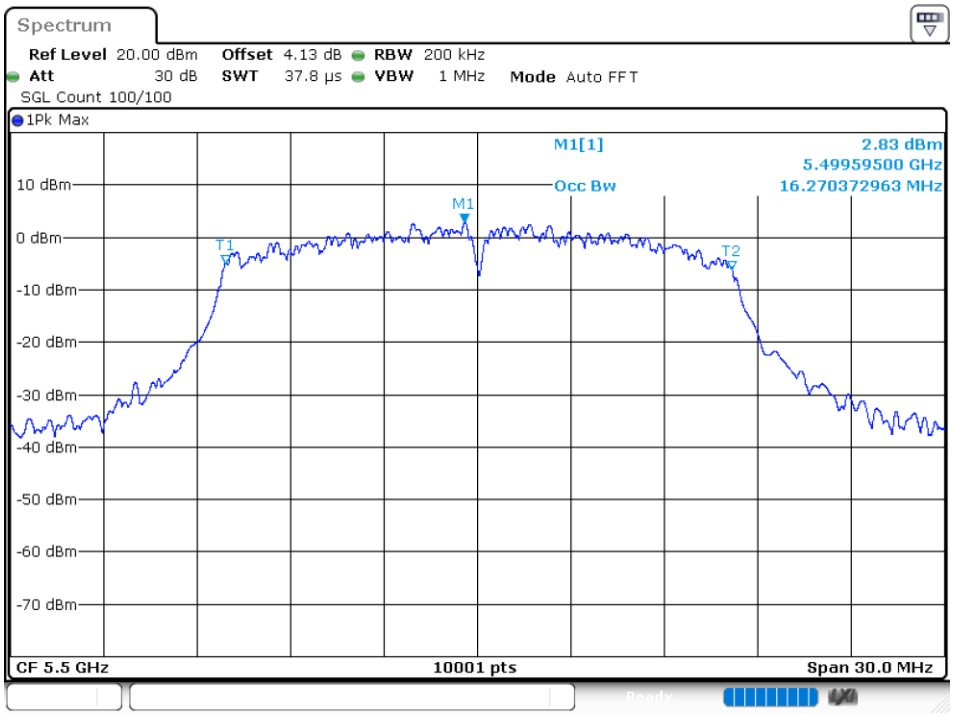


Occupied Channel Bandwidth

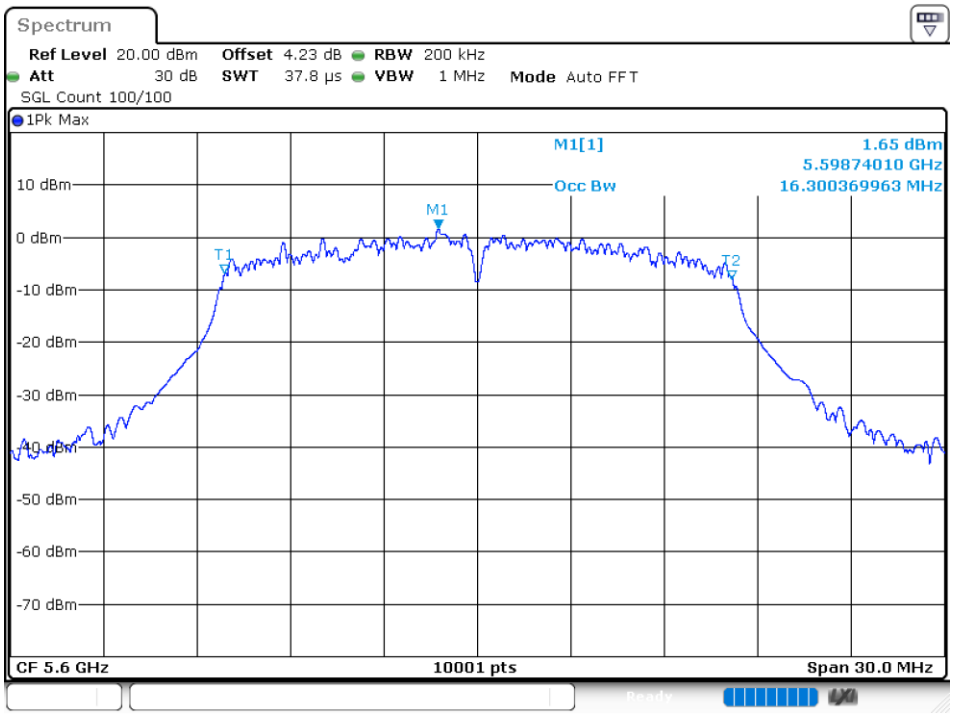
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant1	16.27
NVNT	a	5600	Ant1	16.3
NVNT	a	5700	Ant1	16.177
NVNT	n20	5500	Ant1	17.431
NVNT	n20	5600	Ant1	17.404
NVNT	n20	5700	Ant1	17.356
NVNT	n40	5510	Ant1	35.306
NVNT	n40	5590	Ant1	35.234
NVNT	n40	5670	Ant1	35.288

Test Graphs

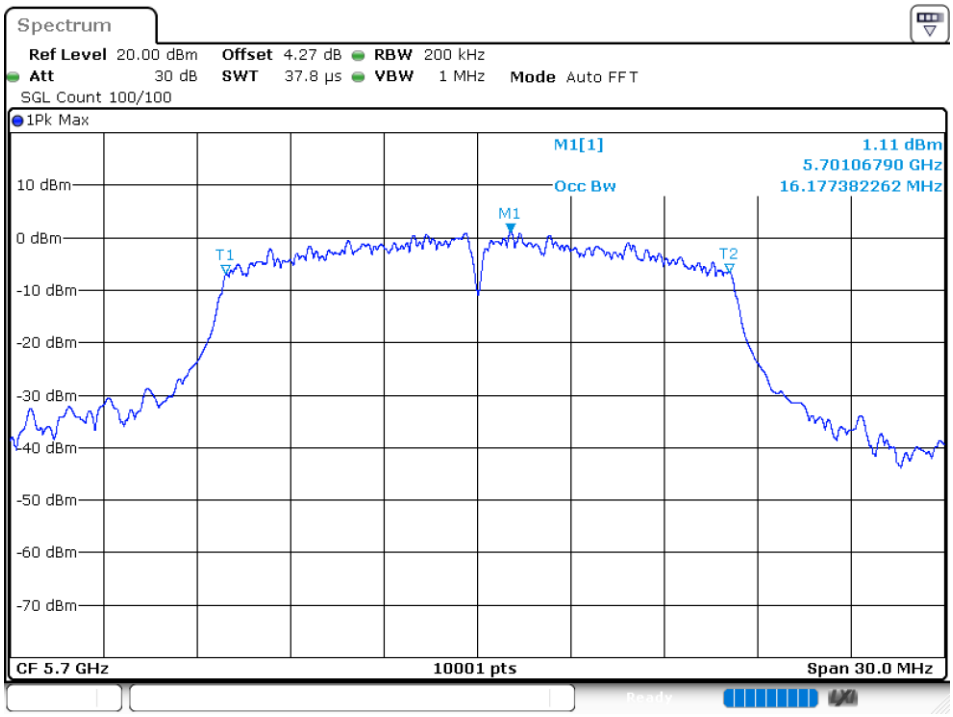
OBW NVNT a 5500MHz Ant1



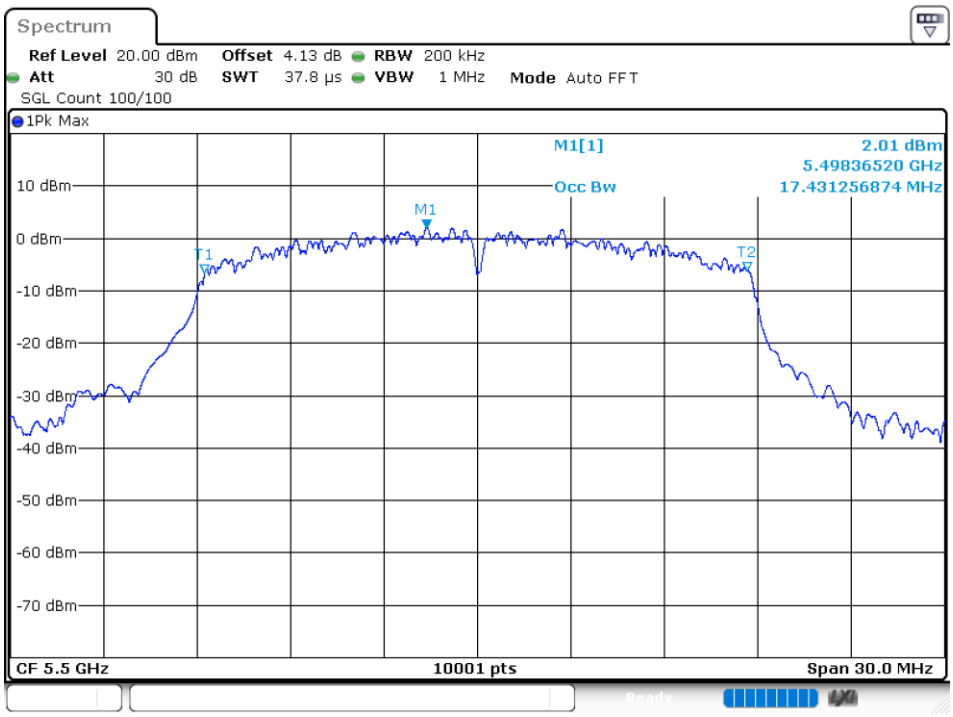
OBW NVNT a 5600MHz Ant1



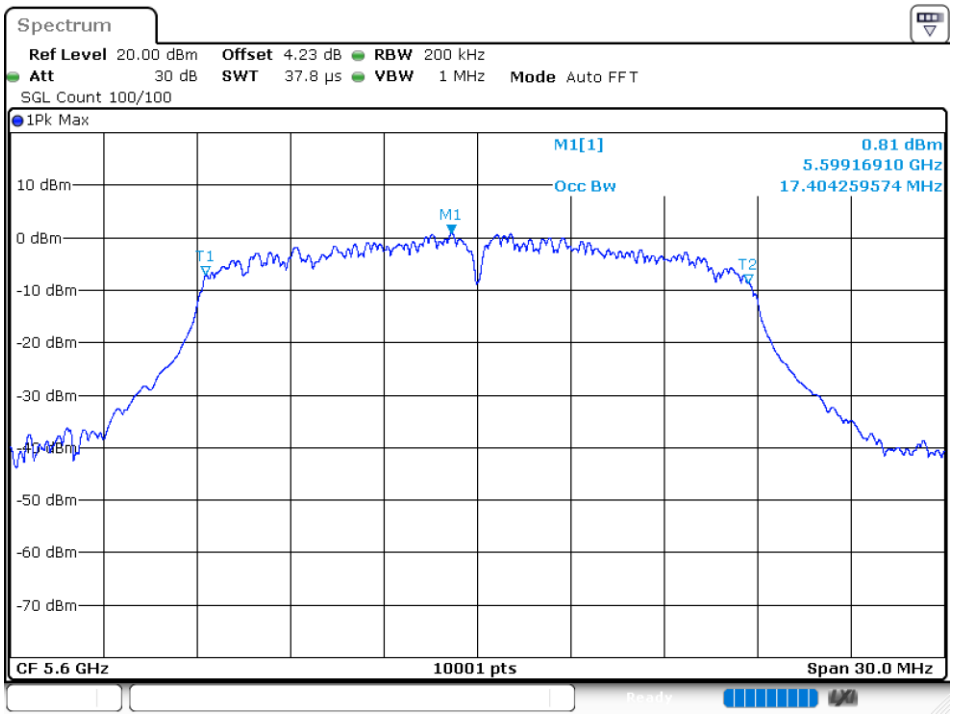
OBW NVNT a 5700MHz Ant1



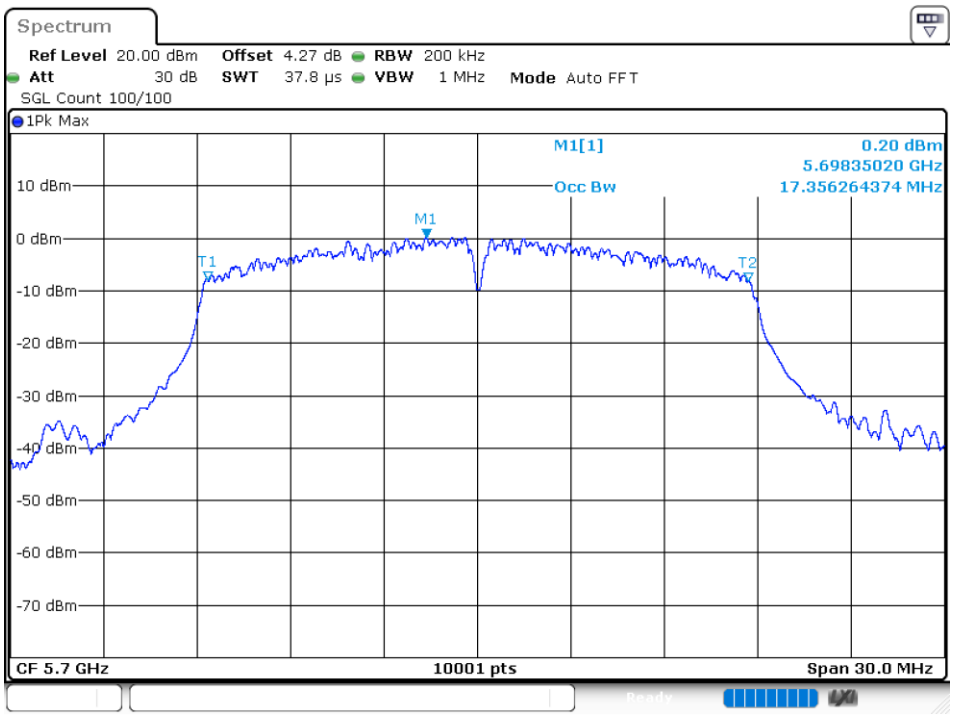
OBW NVNT n20 5500MHz Ant1



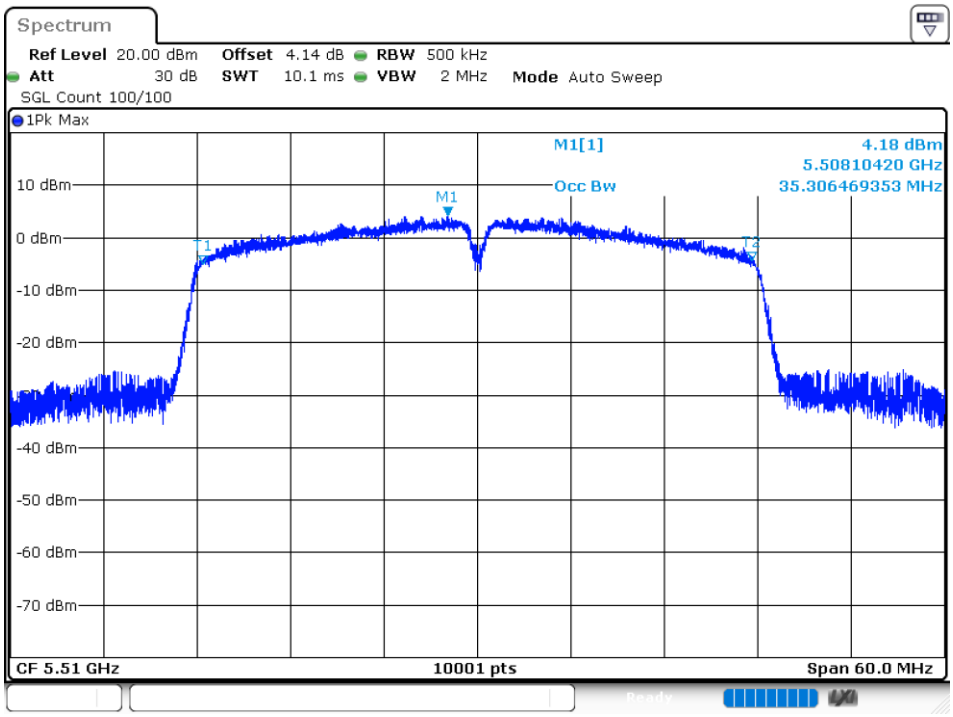
OBW NVNT n20 5600MHz Ant1



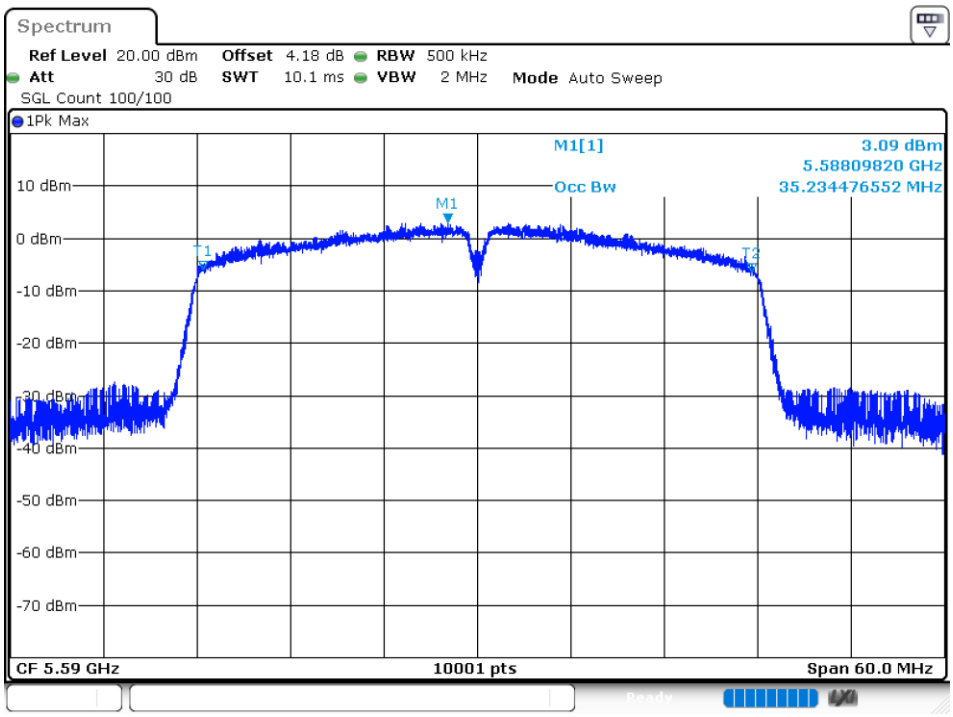
OBW NVNT n20 5700MHz Ant1



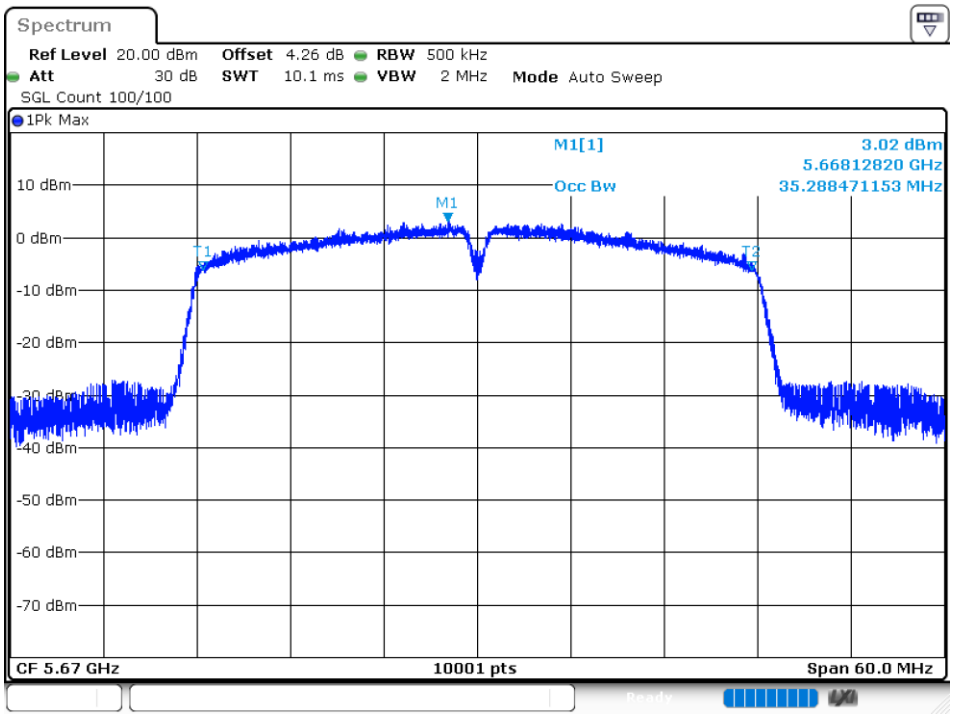
OBW NVNT n40 5510MHz Ant1



OBW NVNT n40 5590MHz Ant1



OBW NVNT n40 5670MHz Ant1

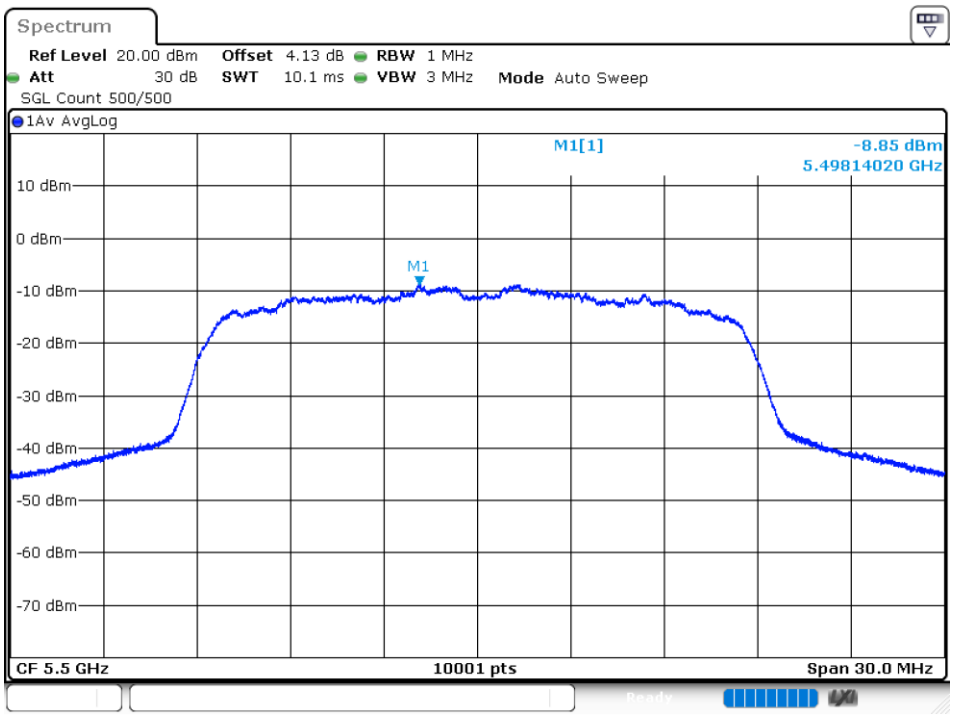


Maximum Power Spectral Density Level

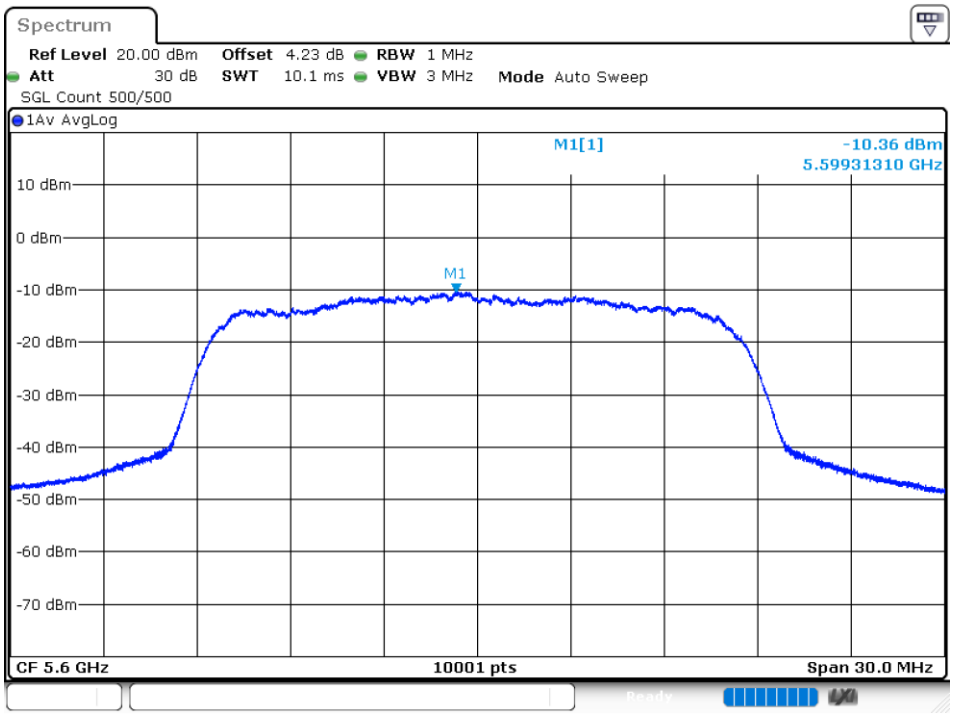
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	-8.85	0.95	-7.9	11	Pass
NVNT	a	5600	Ant1	-10.36	0.95	-9.41	11	Pass
NVNT	a	5700	Ant1	-10.24	0.93	-9.31	11	Pass
NVNT	n20	5500	Ant1	-9.59	1.01	-8.58	11	Pass
NVNT	n20	5600	Ant1	-11.16	1.01	-10.15	11	Pass
NVNT	n20	5700	Ant1	-11.17	1.01	-10.16	11	Pass
NVNT	n40	5510	Ant1	-19.1	1.83	-17.27	11	Pass
NVNT	n40	5590	Ant1	-20.41	1.83	-18.58	11	Pass
NVNT	n40	5670	Ant1	-20.52	1.82	-18.7	11	Pass

Test Graphs

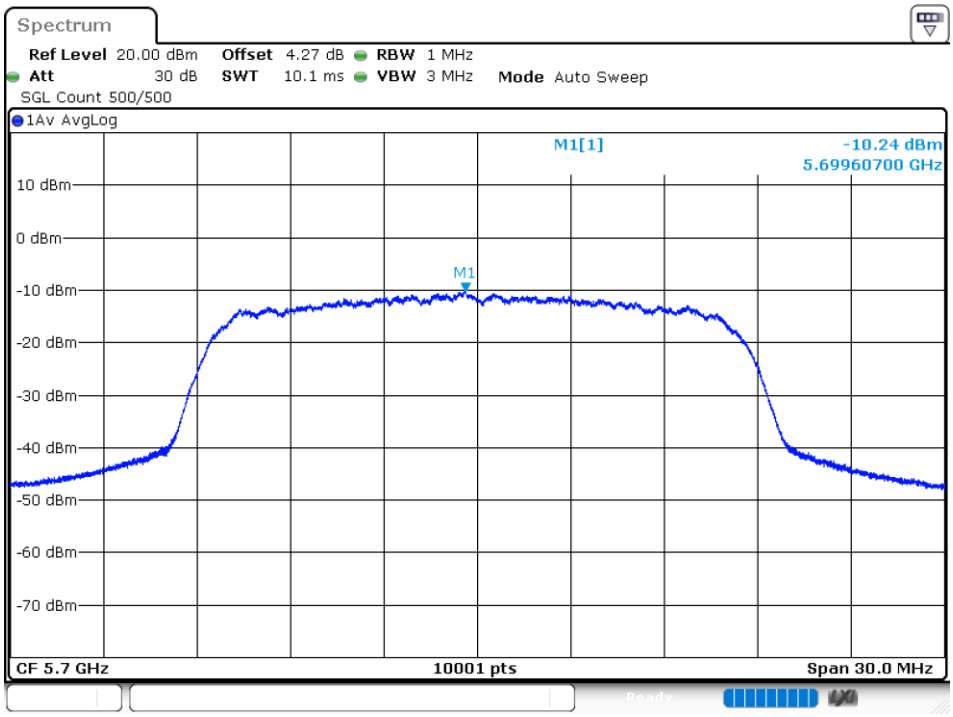
PSD NVNT a 5500MHz Ant1



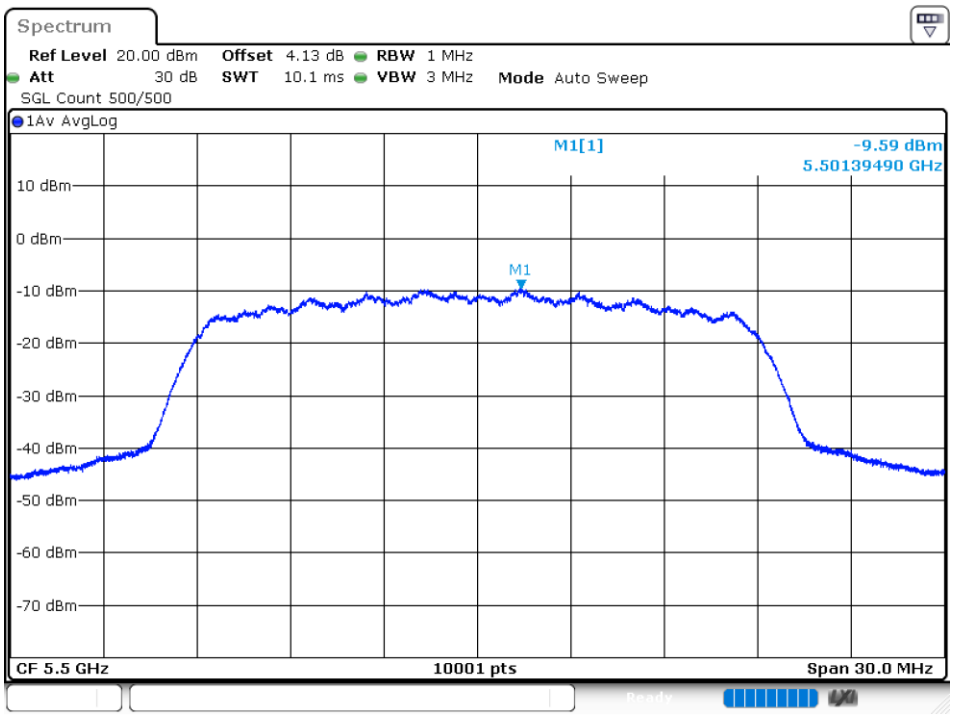
PSD NVNT a 5600MHz Ant1



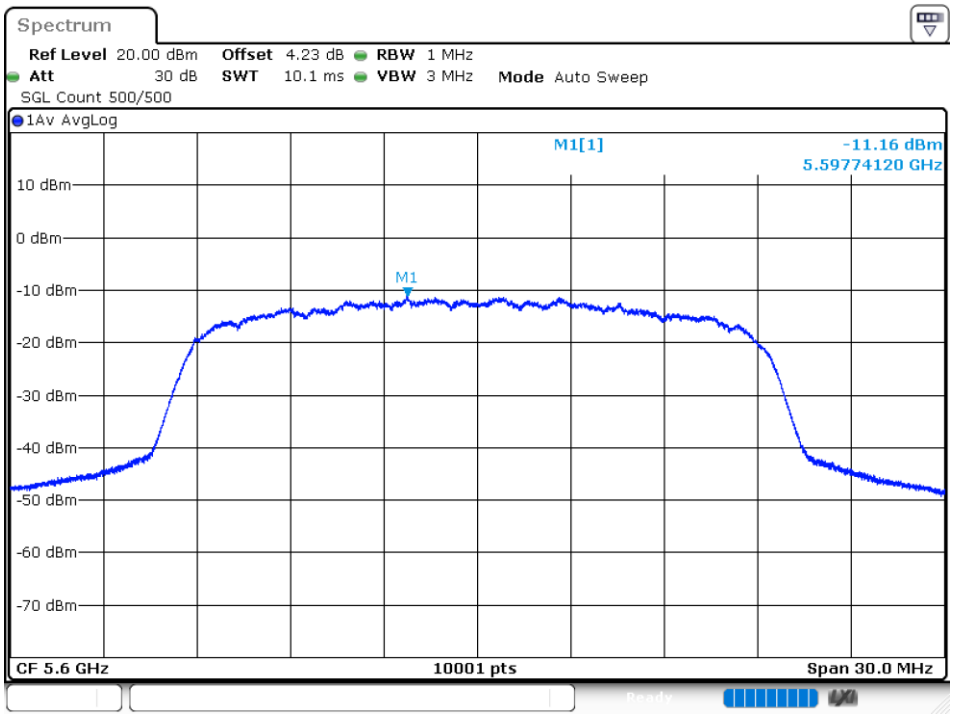
PSD NVNT a 5700MHz Ant1



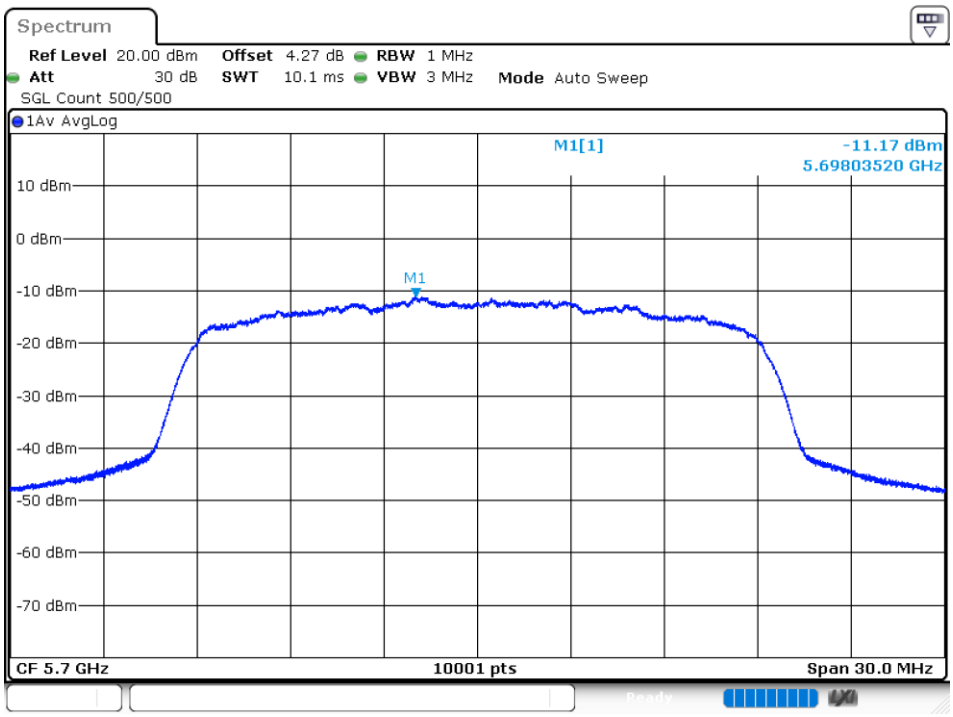
PSD NVNT n20 5500MHz Ant1



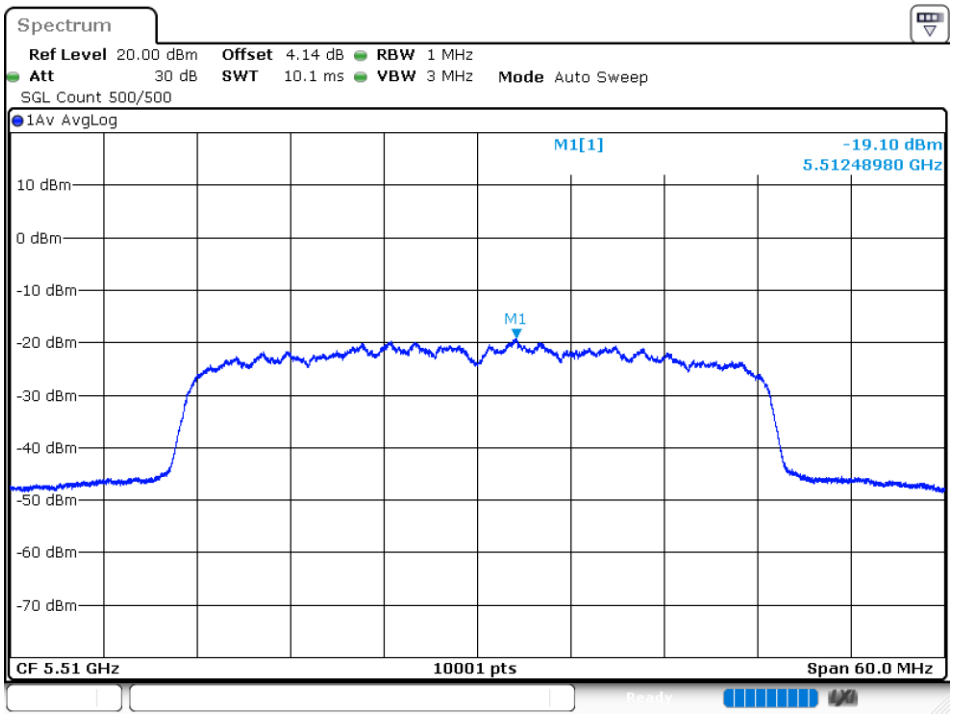
PSD NVNT n20 5600MHz Ant1



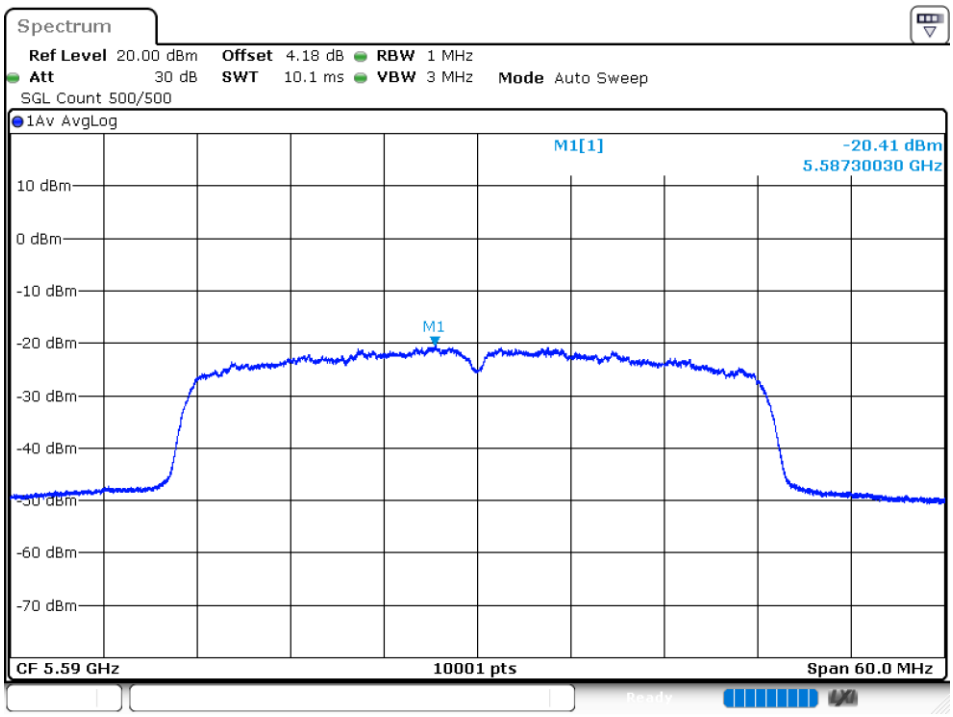
PSD NVNT n20 5700MHz Ant1



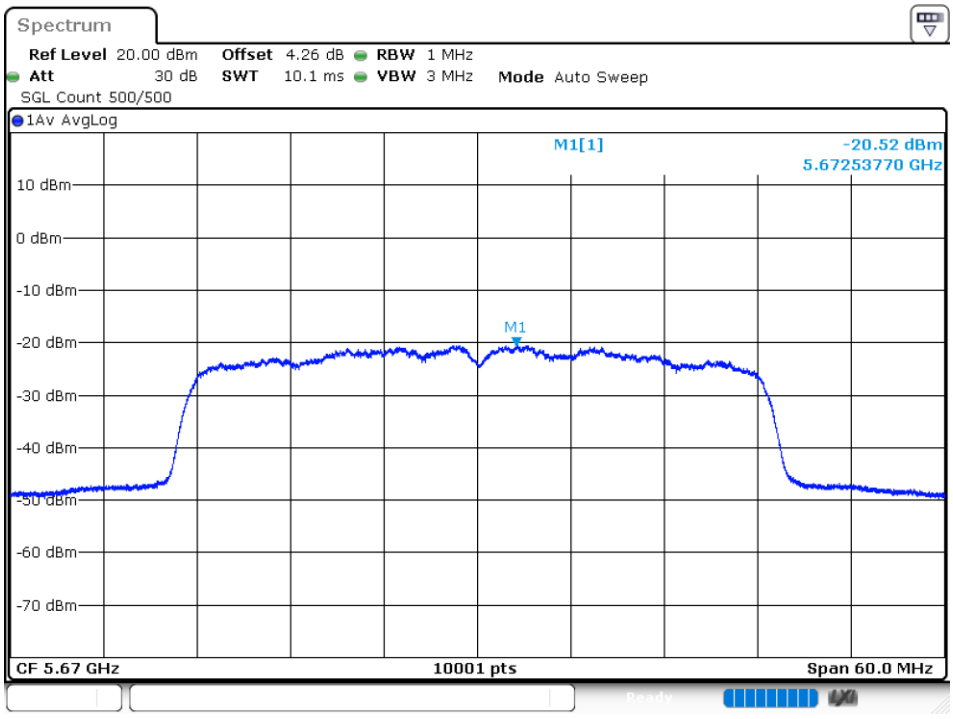
PSD NVNT n40 5510MHz Ant1



PSD NVNT n40 5590MHz Ant1



PSD NVNT n40 5670MHz Ant1



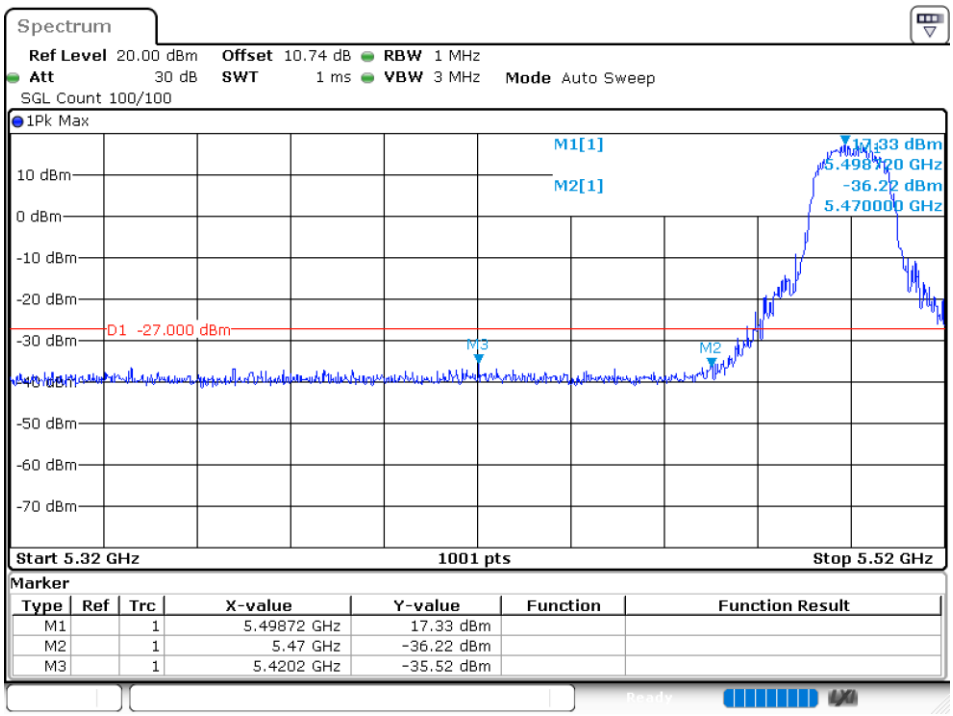
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	-35.52	-27	Pass
NVNT	a	5700	Ant1	-33.81	-27	Pass
NVNT	n20	5500	Ant1	-35.82	-27	Pass
NVNT	n20	5700	Ant1	-34.12	-27	Pass
NVNT	n40	5510	Ant1	-28.11	-27	Pass
NVNT	n40	5670	Ant1	-34.05	-27	Pass

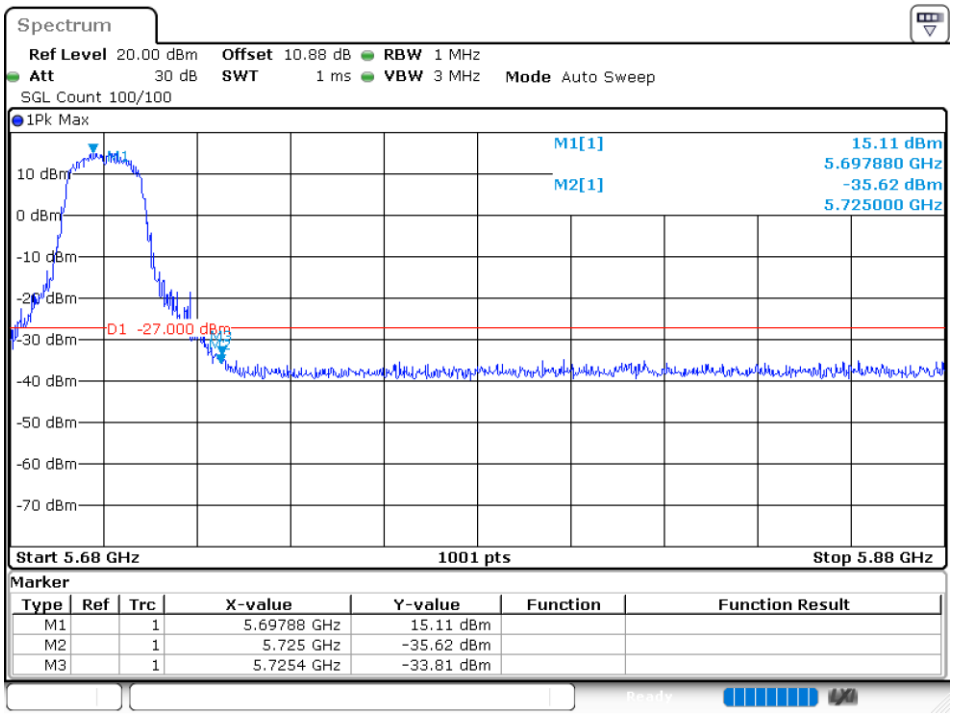
Note: Tested with increased antenna gain.

Test Graphs

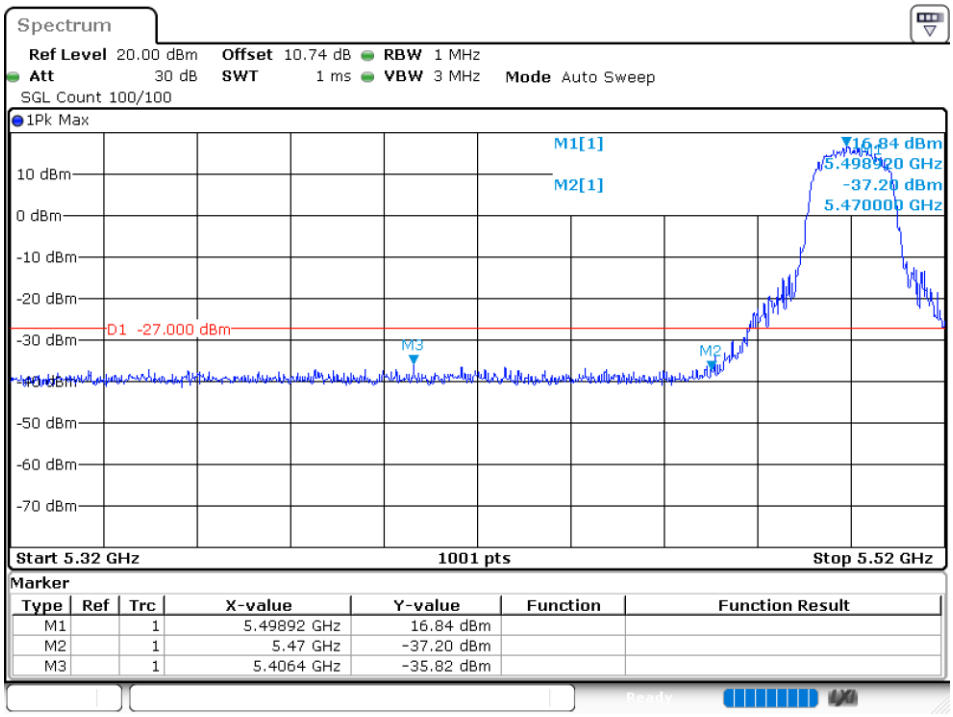
Band Edge NVNT a 5500MHz Low Ant1



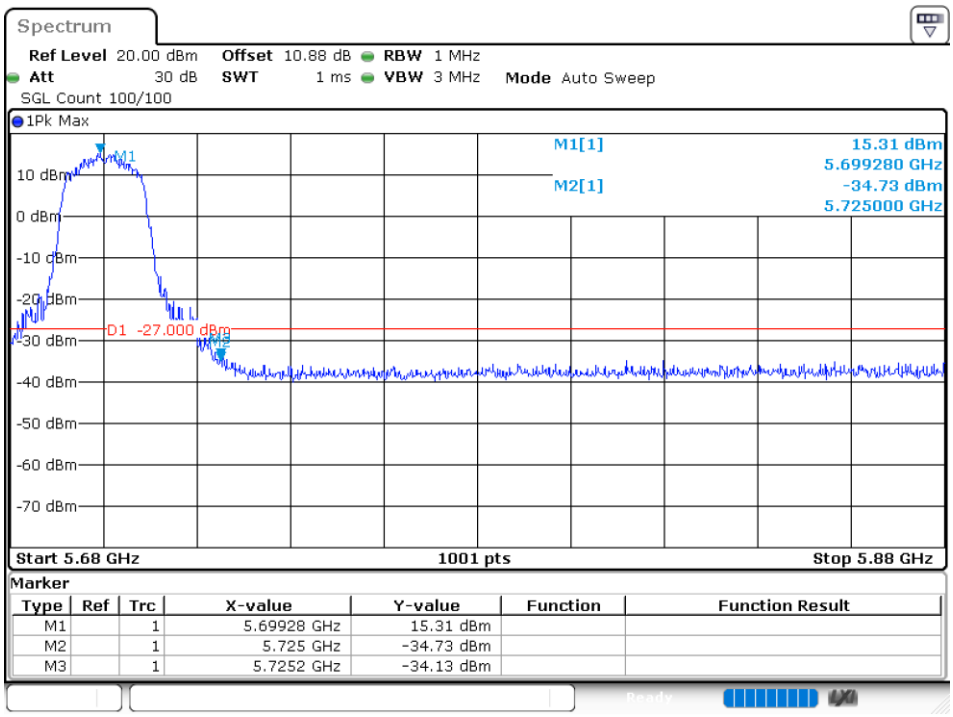
Band Edge NVNT a 5700MHz High Ant1



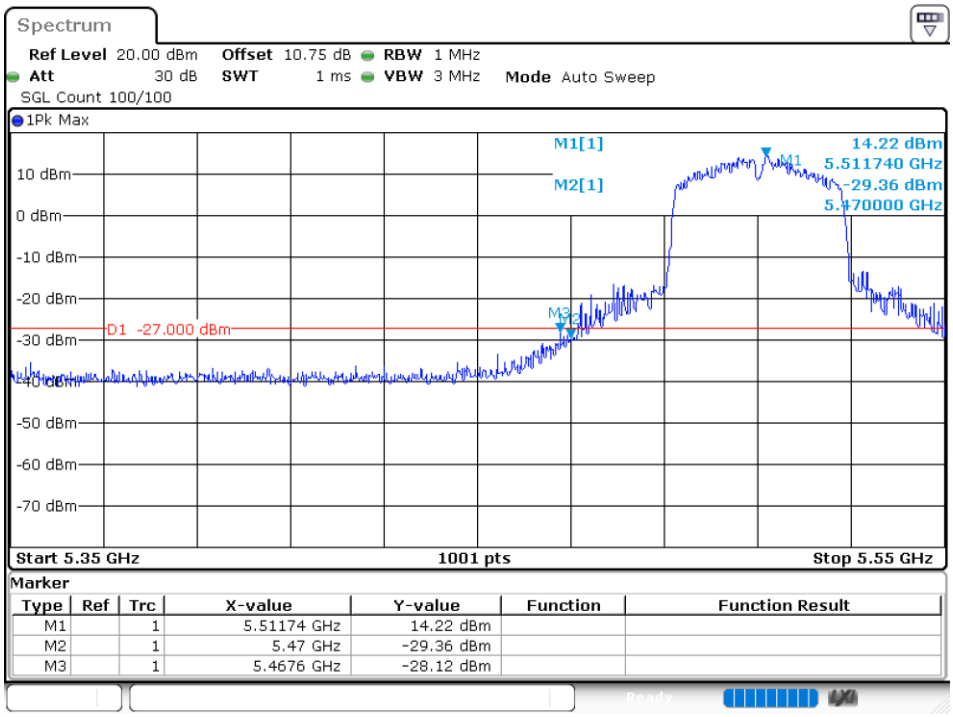
Band Edge NVNT n20 5500MHz Low Ant1



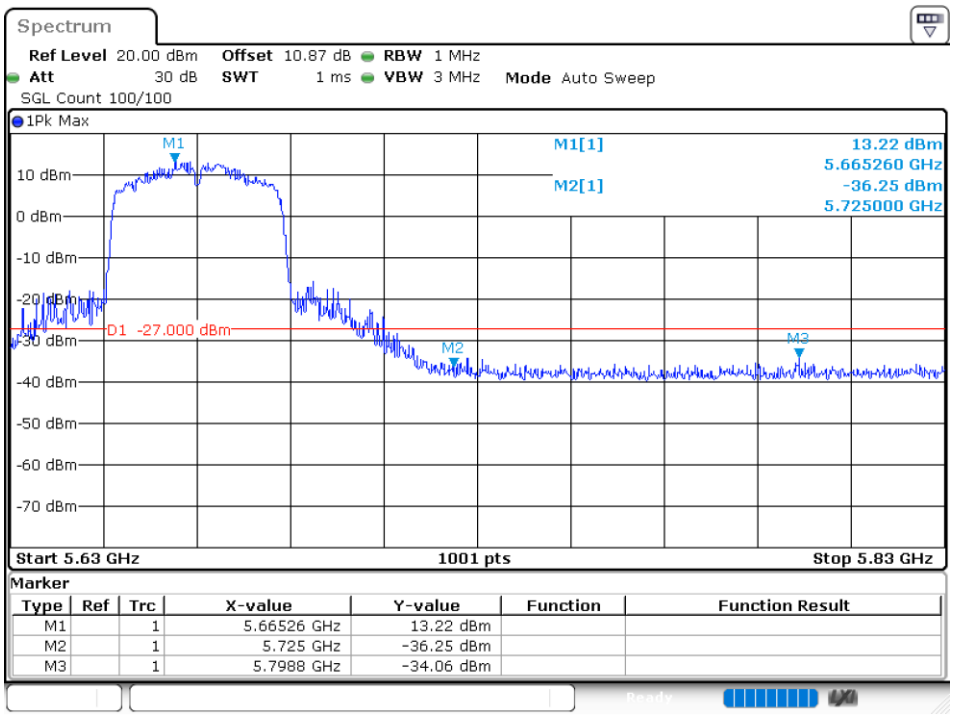
Band Edge NVNT n20 5700MHz High Ant1



Band Edge NVNT n40 5510MHz Low Ant1



Band Edge NVNT n40 5670MHz High Ant1



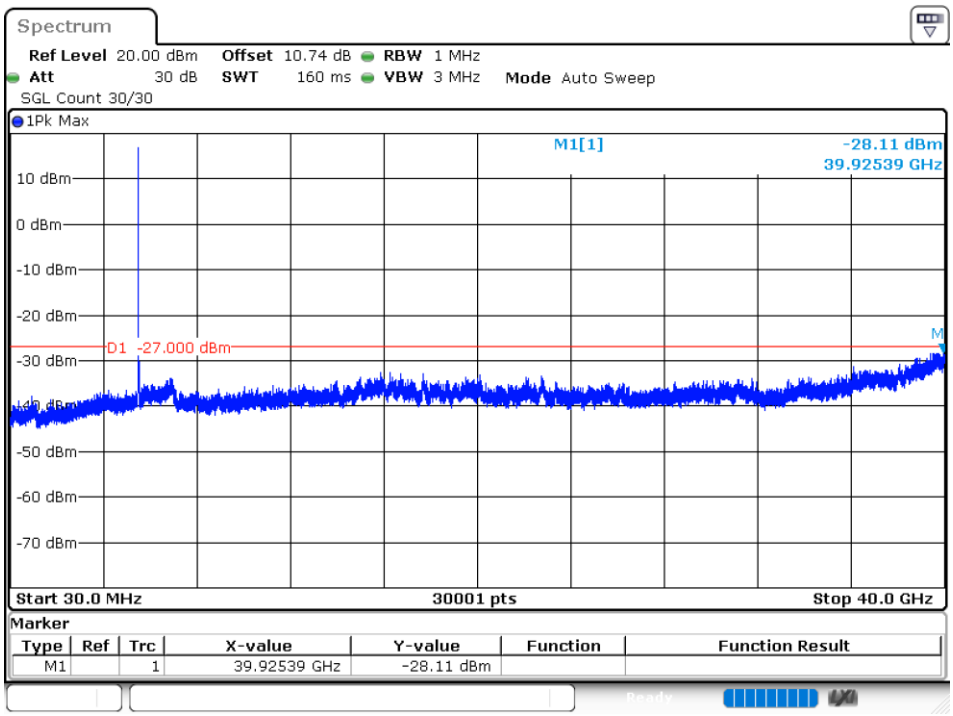
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	-28.11	-27	Pass
NVNT	a	5600	Ant1	-27.98	-27	Pass
NVNT	a	5700	Ant1	-28.05	-27	Pass
NVNT	n20	5500	Ant1	-28.22	-27	Pass
NVNT	n20	5600	Ant1	-27.4	-27	Pass
NVNT	n20	5700	Ant1	-27.08	-27	Pass
NVNT	n40	5510	Ant1	-28.41	-27	Pass
NVNT	n40	5590	Ant1	-27.71	-27	Pass
NVNT	n40	5670	Ant1	-27.03	-27	Pass

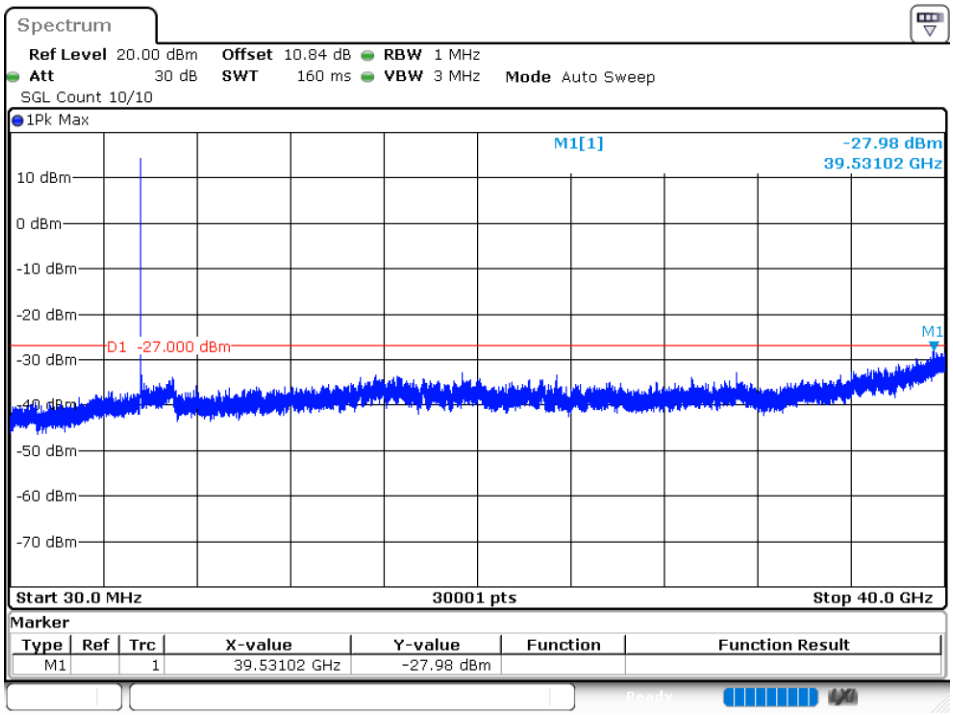
Note: Tested with increased antenna gain.

Test Graphs

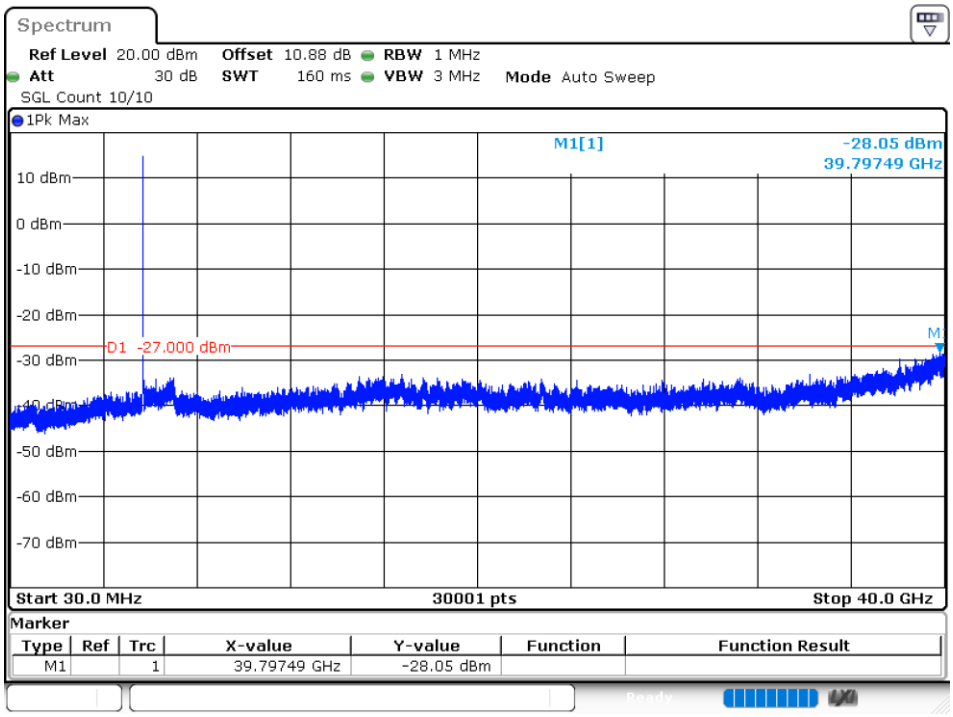
Tx. Spurious NVNT a 5500MHz Ant1 Emission



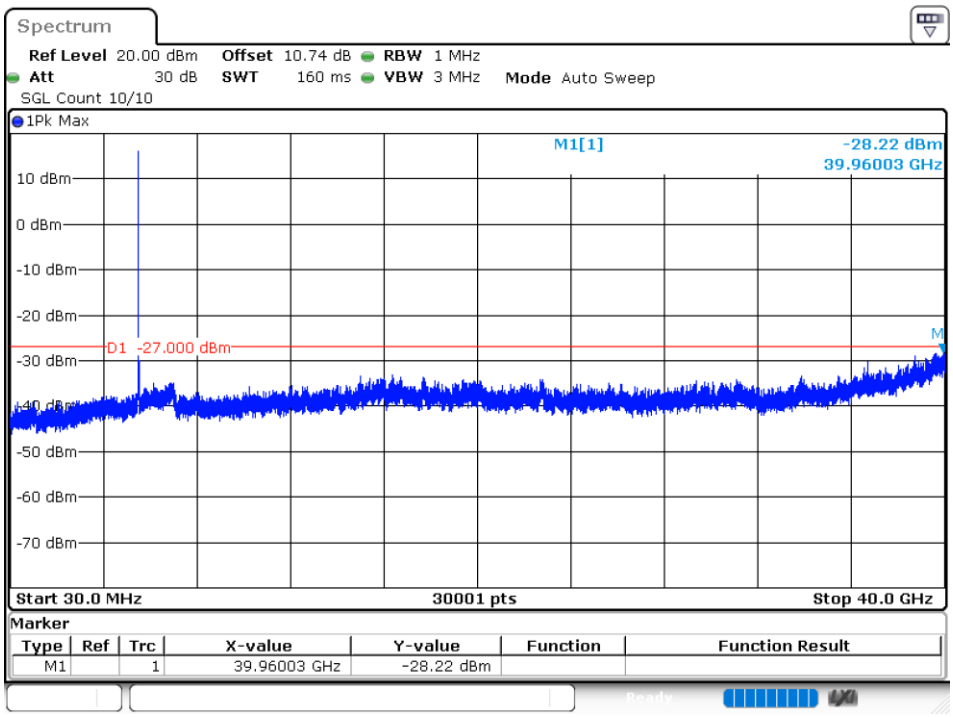
Tx. Spurious NVNT a 5600MHz Ant1 Emission



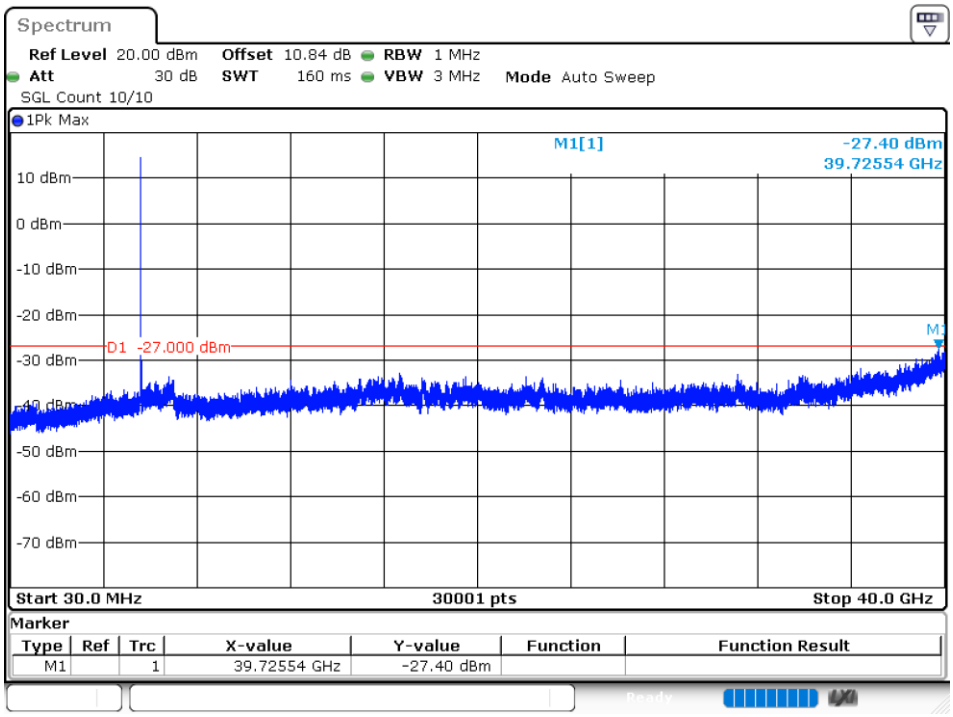
Tx. Spurious NVNT a 5700MHz Ant1 Emission



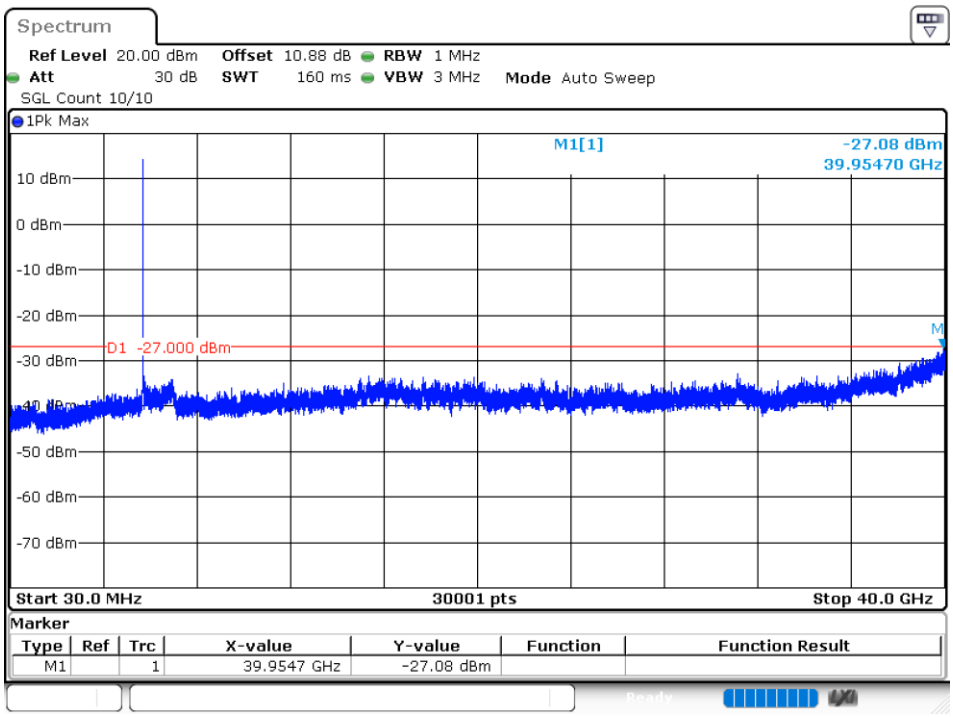
Tx. Spurious NVNT n20 5500MHz Ant1 Emission



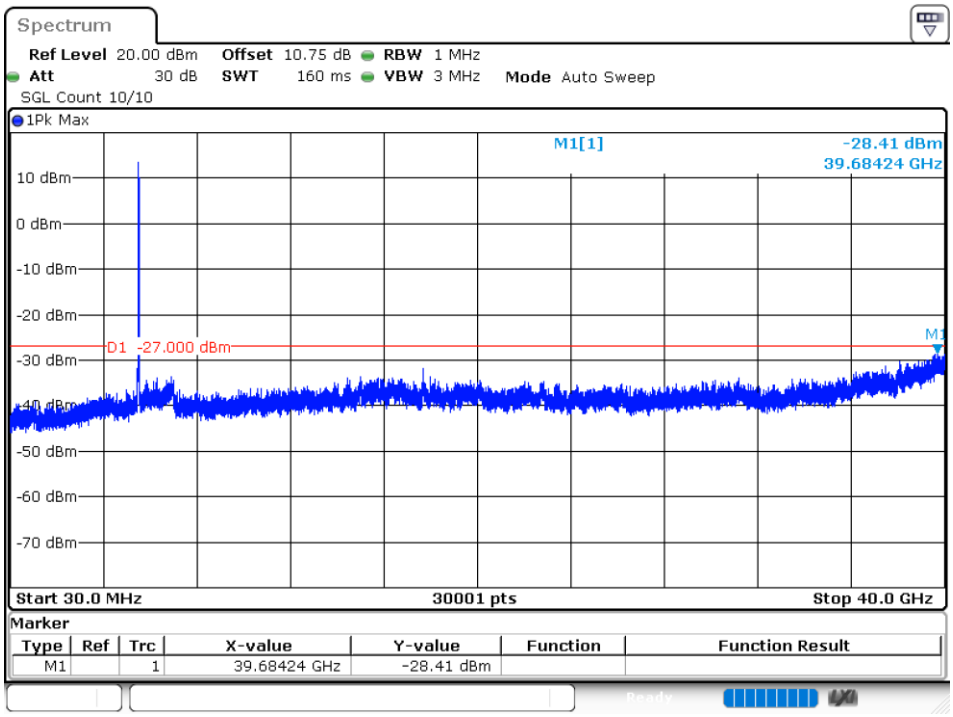
Tx. Spurious NVNT n20 5600MHz Ant1 Emission



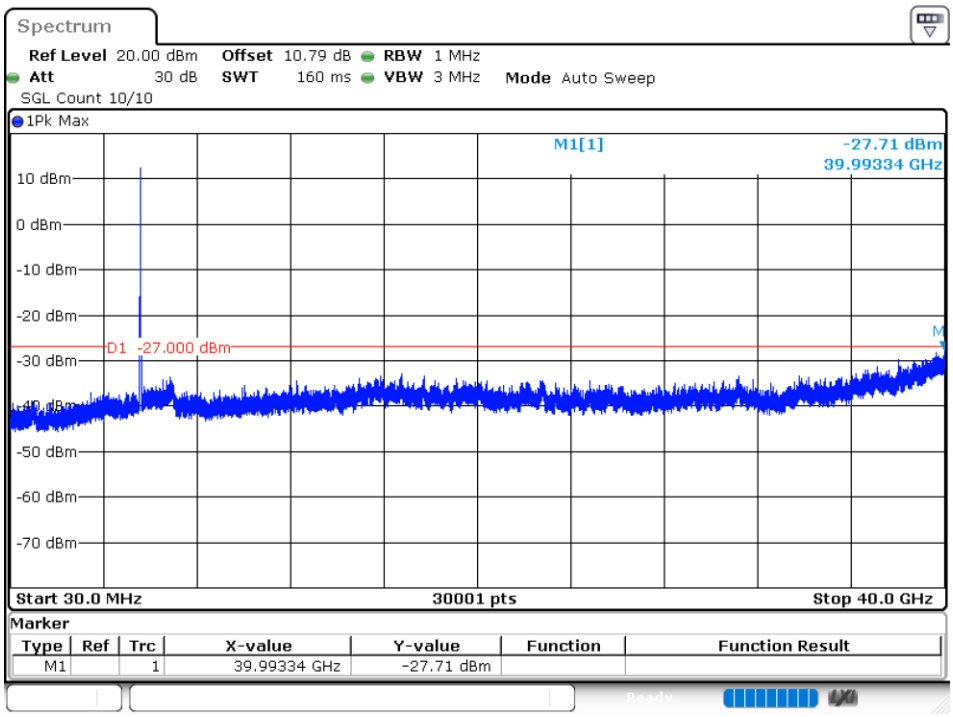
Tx. Spurious NVNT n20 5700MHz Ant1 Emission



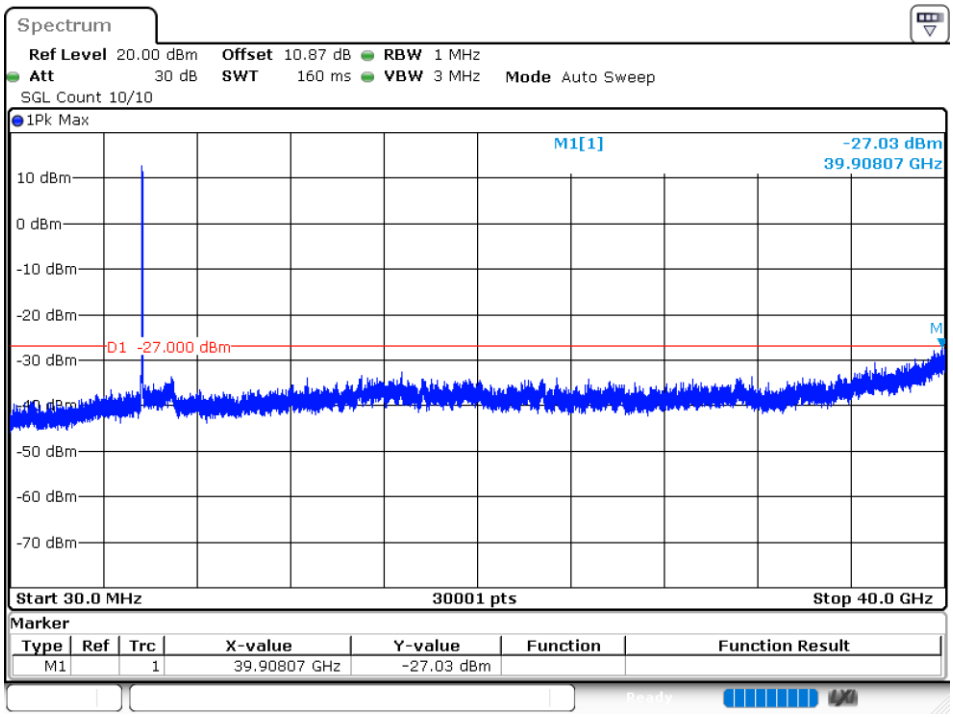
Tx. Spurious NVNT n40 5510MHz Ant1 Emission



Tx. Spurious NVNT n40 5590MHz Ant1 Emission



Tx. Spurious NVNT n40 5670MHz Ant1 Emission



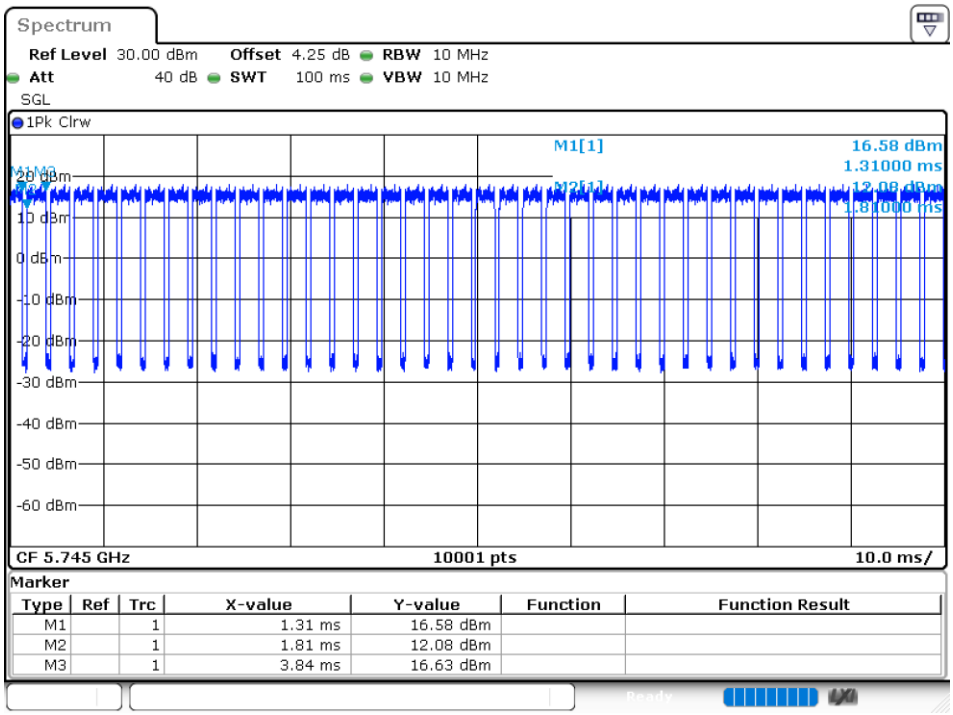
5.8G WIFI

Duty Cycle

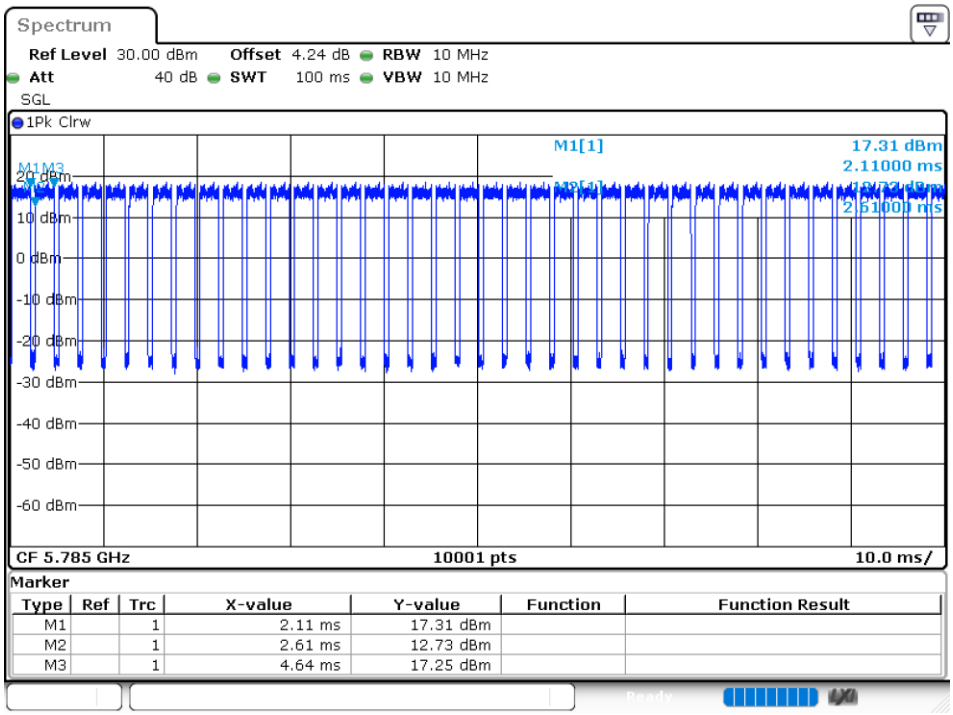
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	80.63	0.93	0.49
NVNT	a	5785	Ant1	80.73	0.93	0.49
NVNT	a	5825	Ant1	80.31	0.95	0.5
NVNT	n20	5745	Ant1	79.34	1	0.53
NVNT	n20	5785	Ant1	79.3	1.01	0.53
NVNT	n20	5825	Ant1	79.33	1.01	0.53
NVNT	n40	5755	Ant1	65.59	1.83	1.08
NVNT	n40	5795	Ant1	65.54	1.83	1.08

Test Graphs

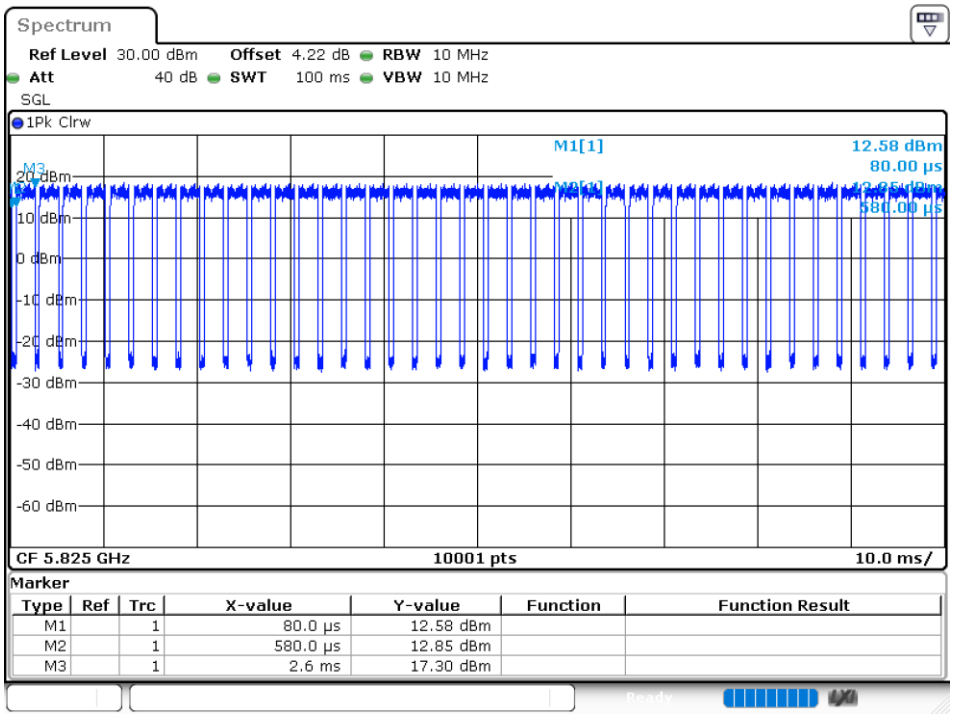
Duty Cycle NVNT a 5745MHz Ant1



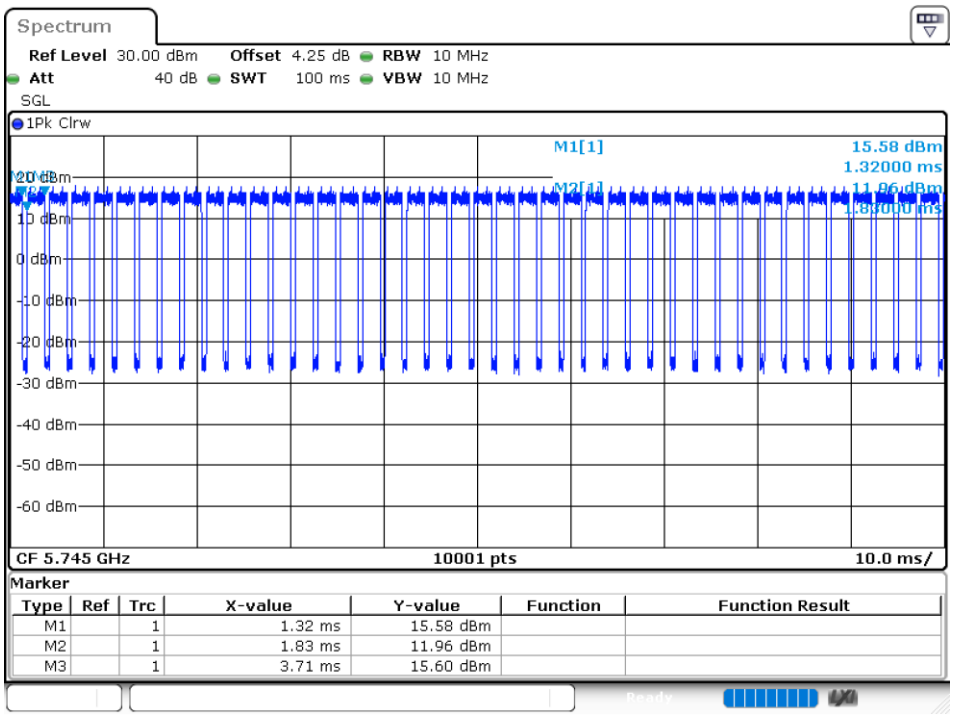
Duty Cycle NVNT a 5785MHz Ant1



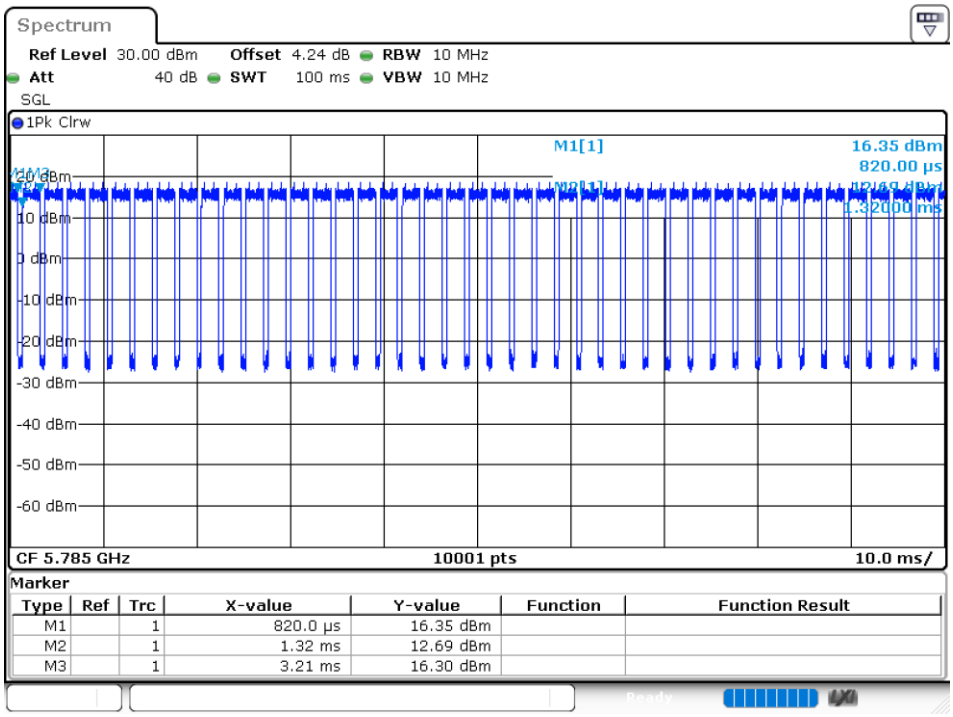
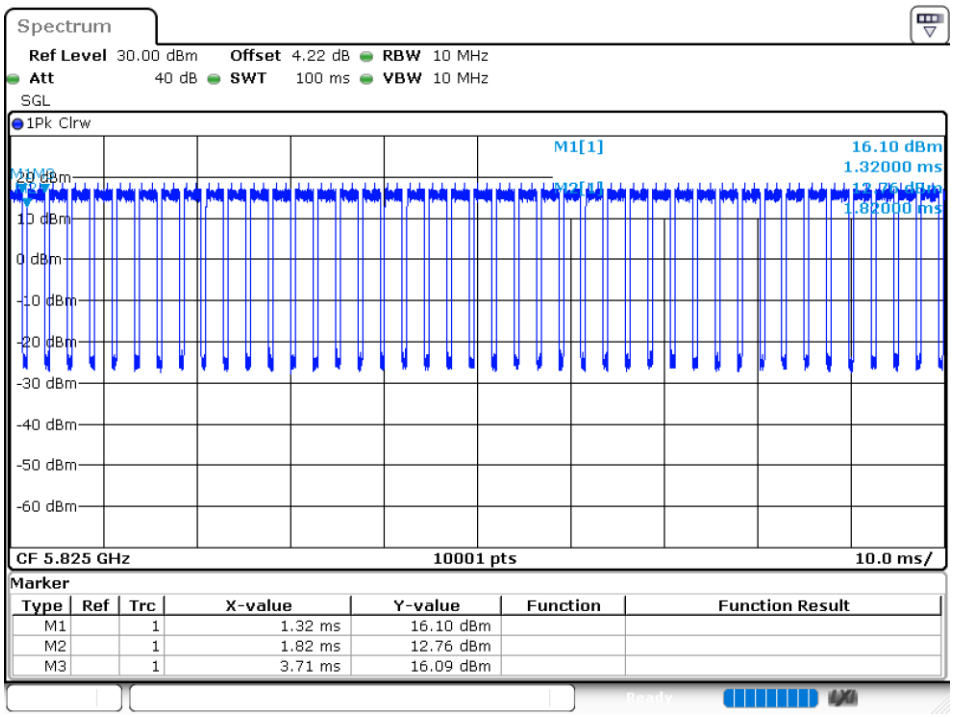
Duty Cycle NVNT a 5825MHz Ant1



Duty Cycle NVNT n20 5745MHz Ant1



Duty Cycle NVNT n20 5785MHz Ant1



Duty Cycle NVNT n20 5825MHz Ant1