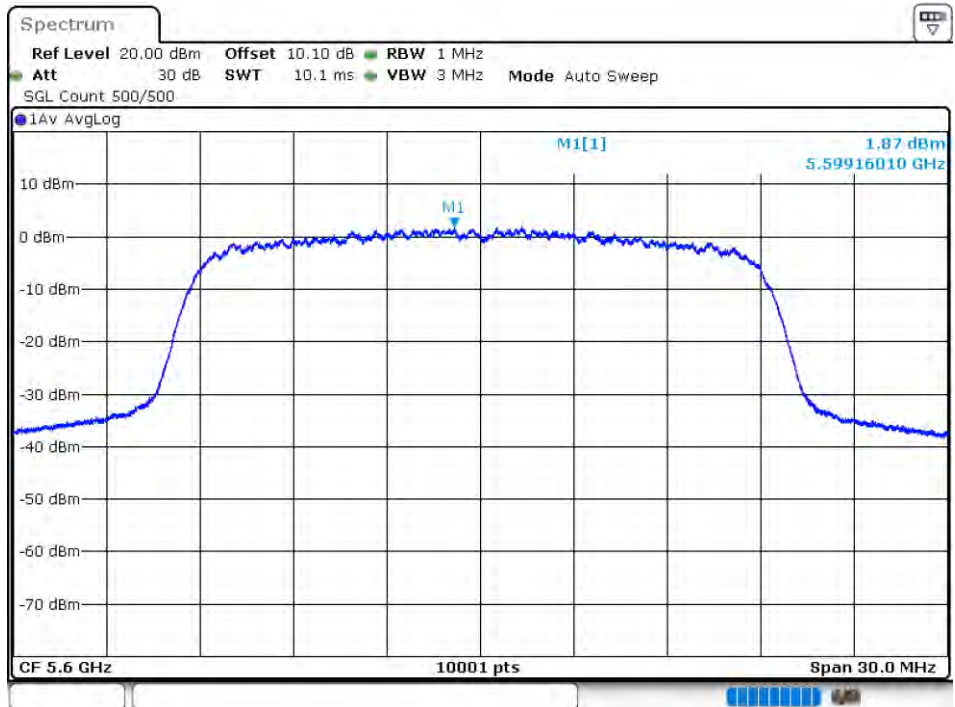
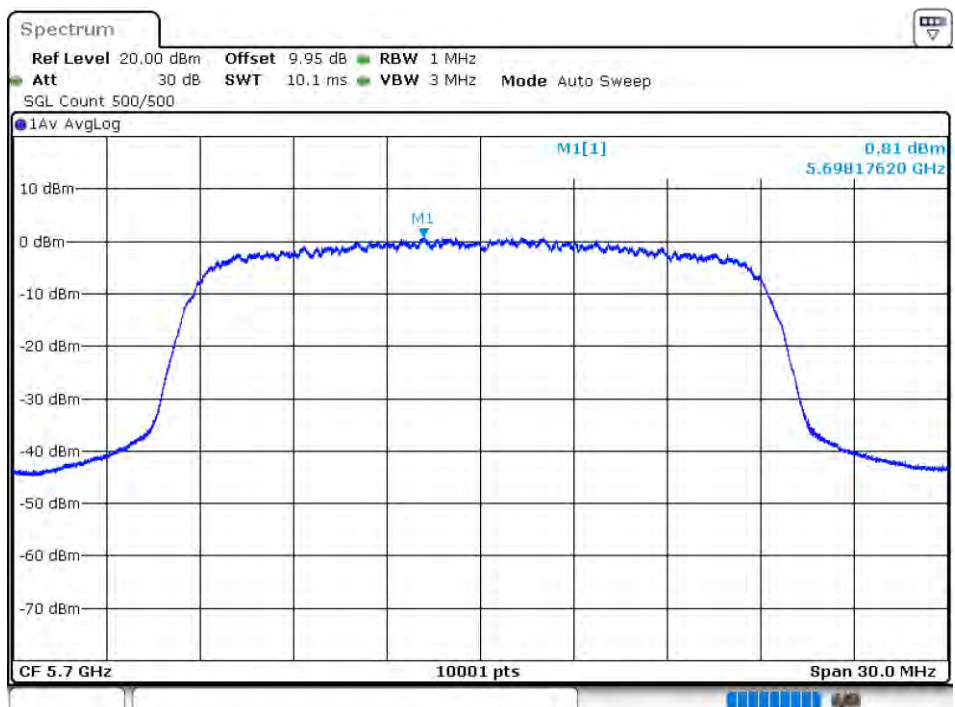


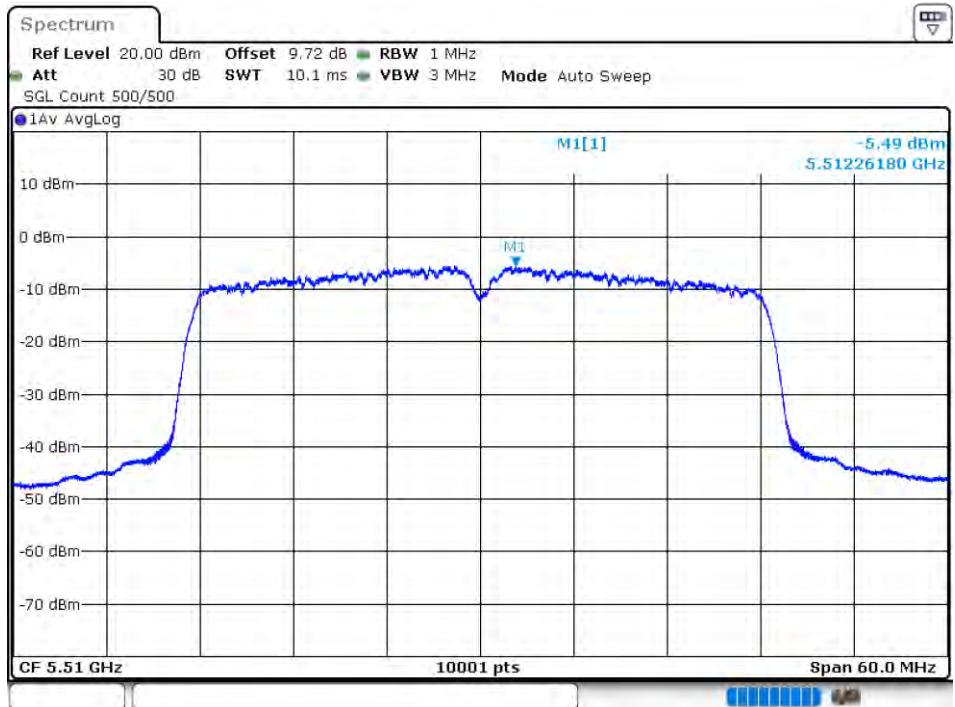
PSD NVNT n20 5600MHz Ant1



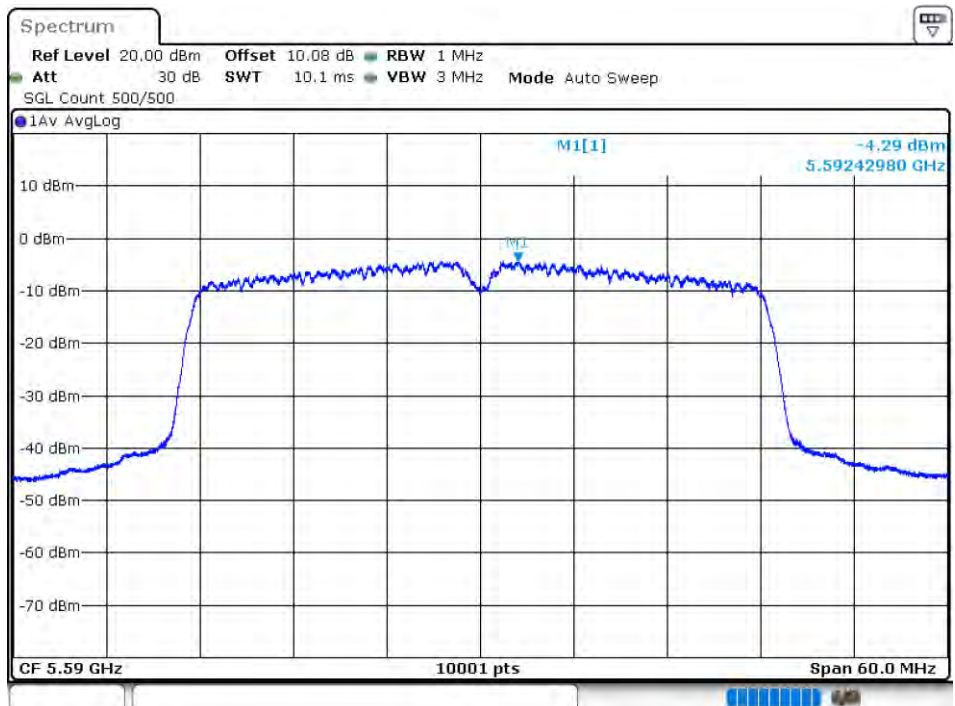
PSD NVNT n20 5700MHz Ant1



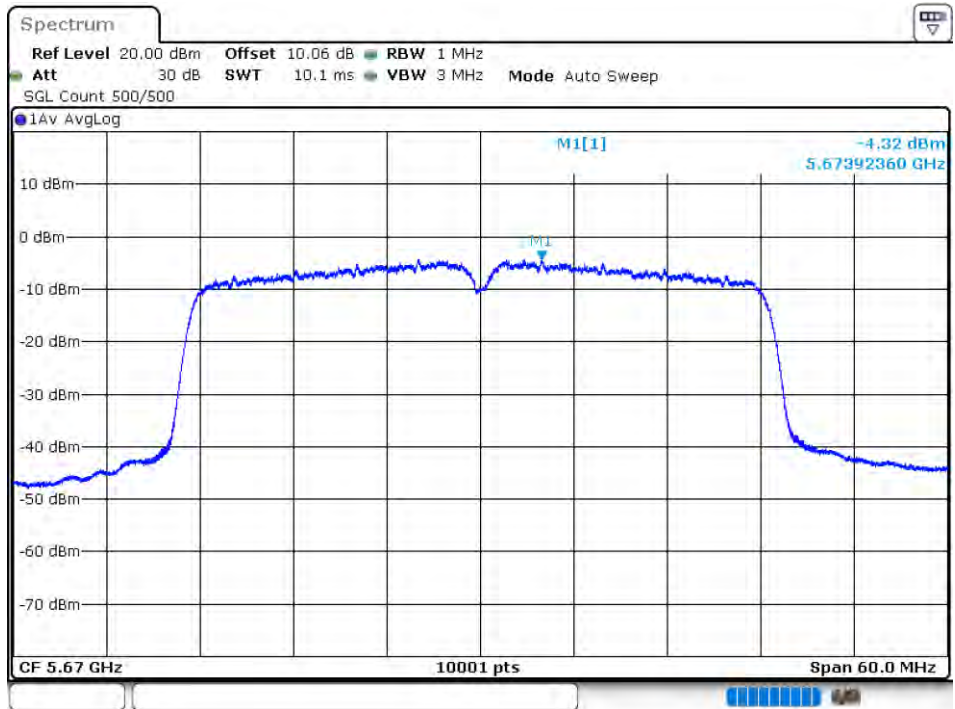
PSD NVNT n40 5510MHz Ant1



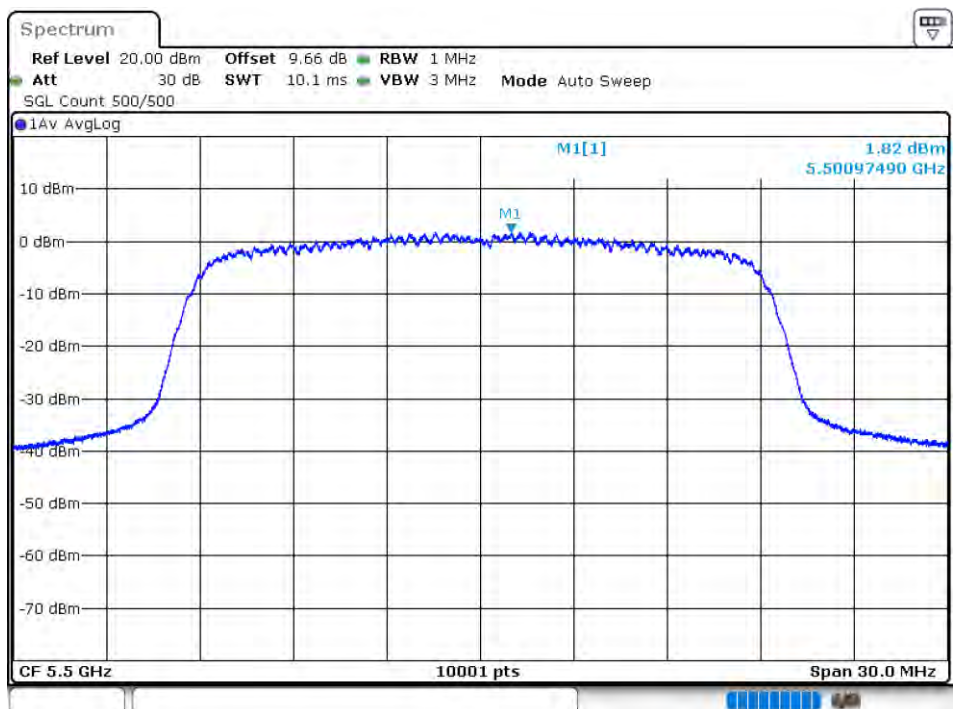
PSD NVNT n40 5590MHz Ant1

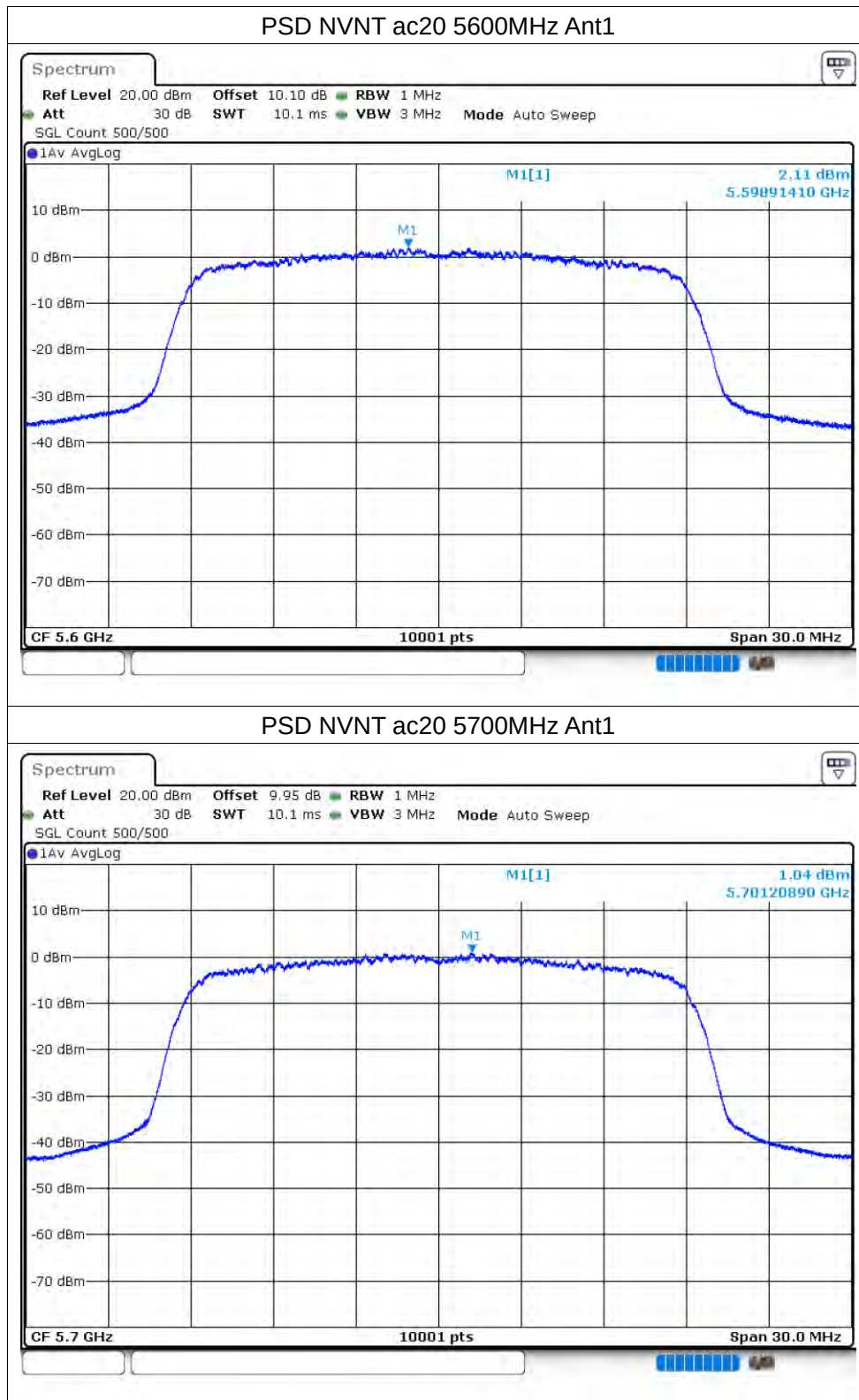


PSD NVNT n40 5670MHz Ant1

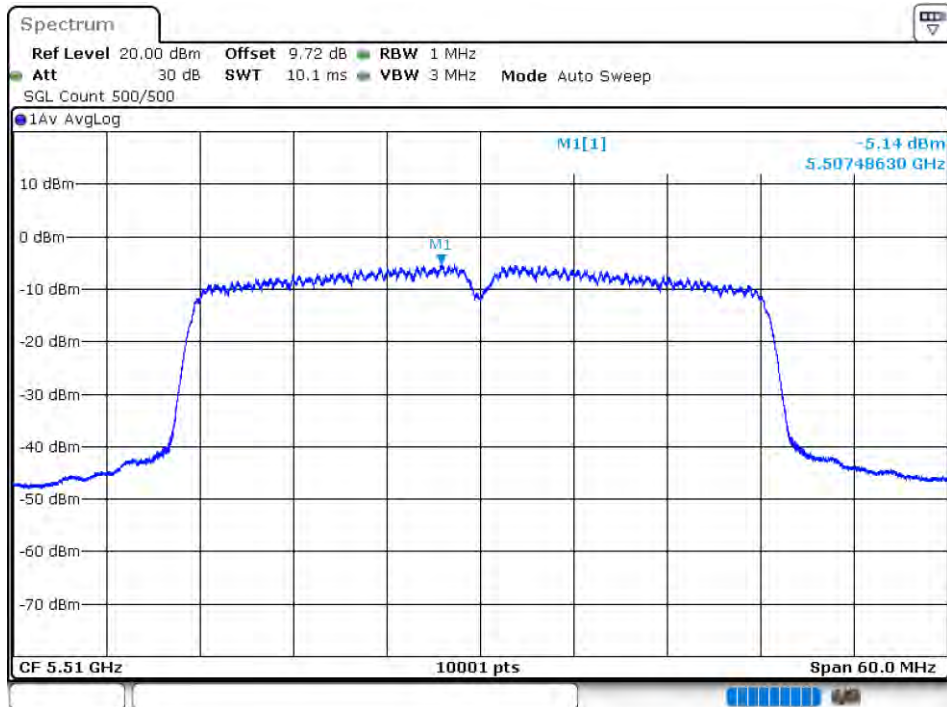


PSD NVNT ac20 5500MHz Ant1

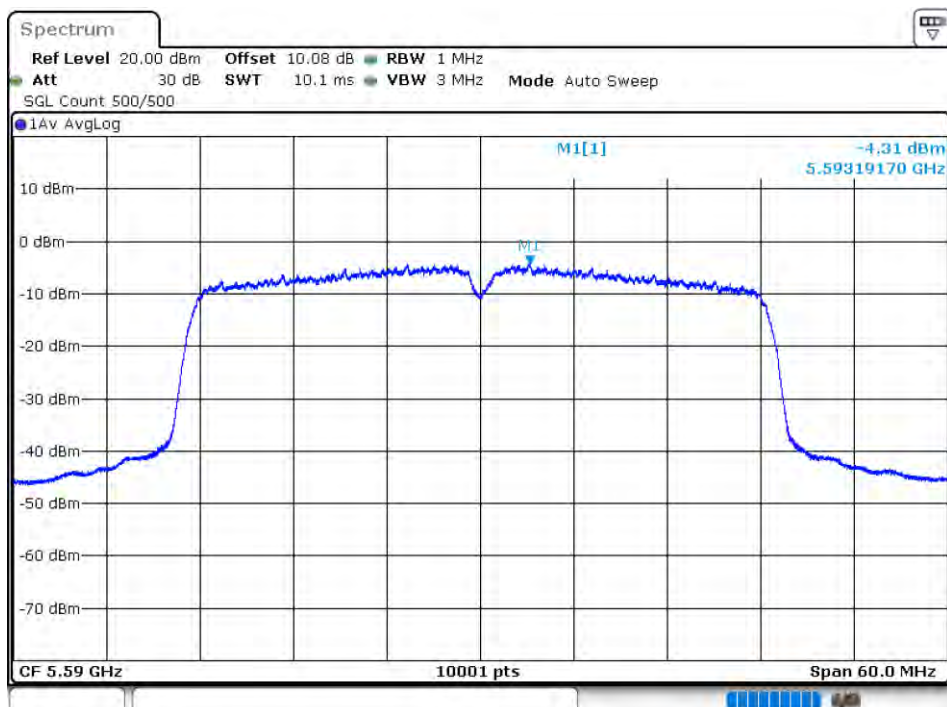




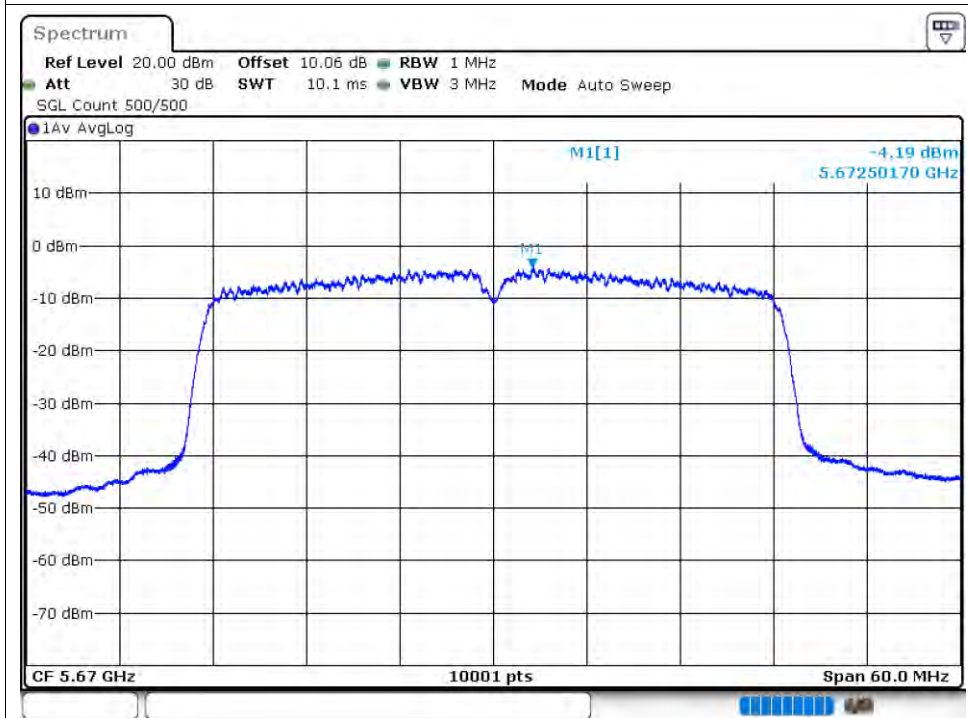
PSD NVNT ac40 5510MHz Ant1



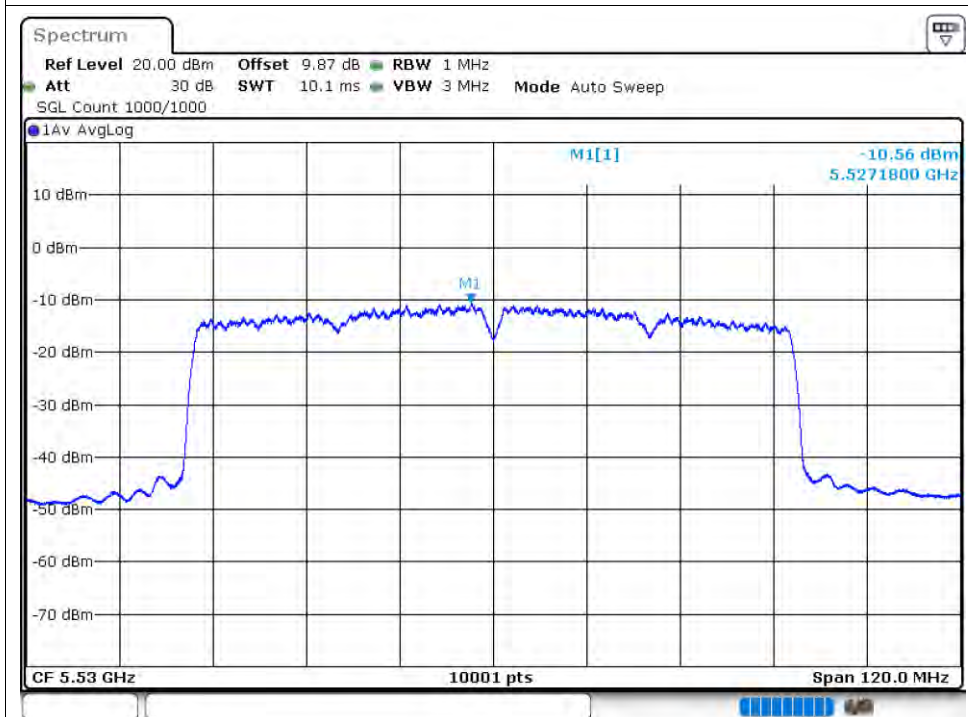
PSD NVNT ac40 5590MHz Ant1

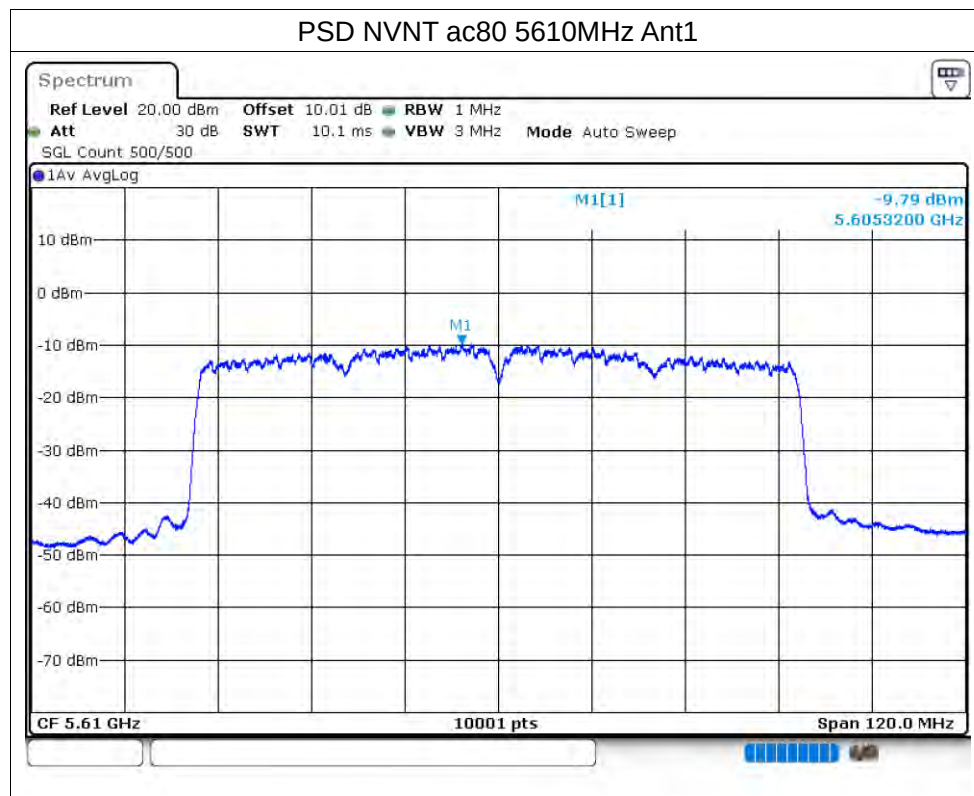


PSD NVNT ac40 5670MHz Ant1



PSD NVNT ac80 5530MHz Ant1



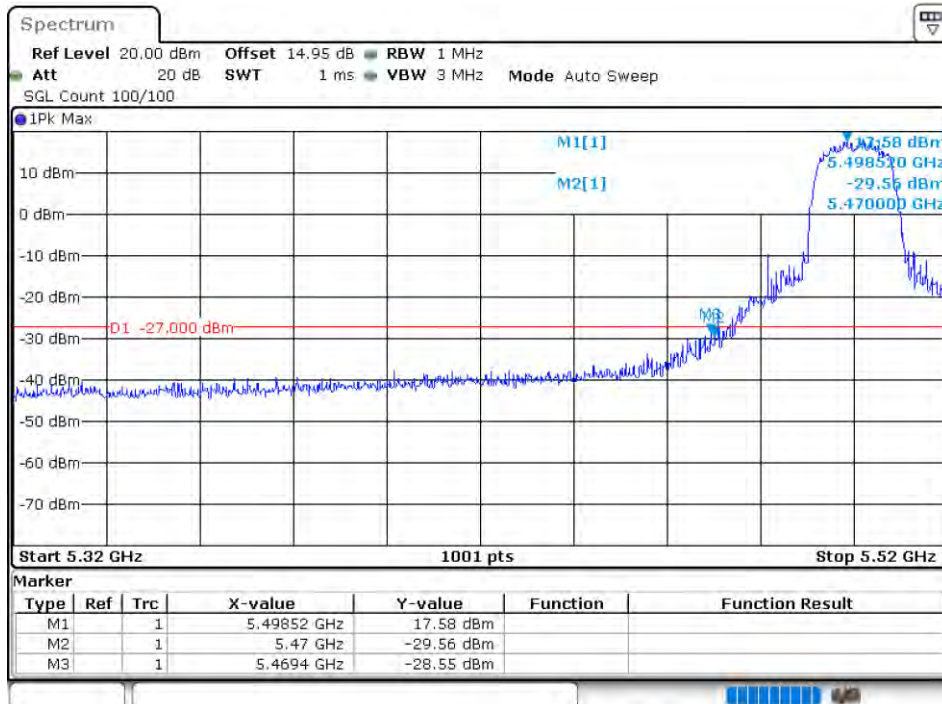


Band Edge

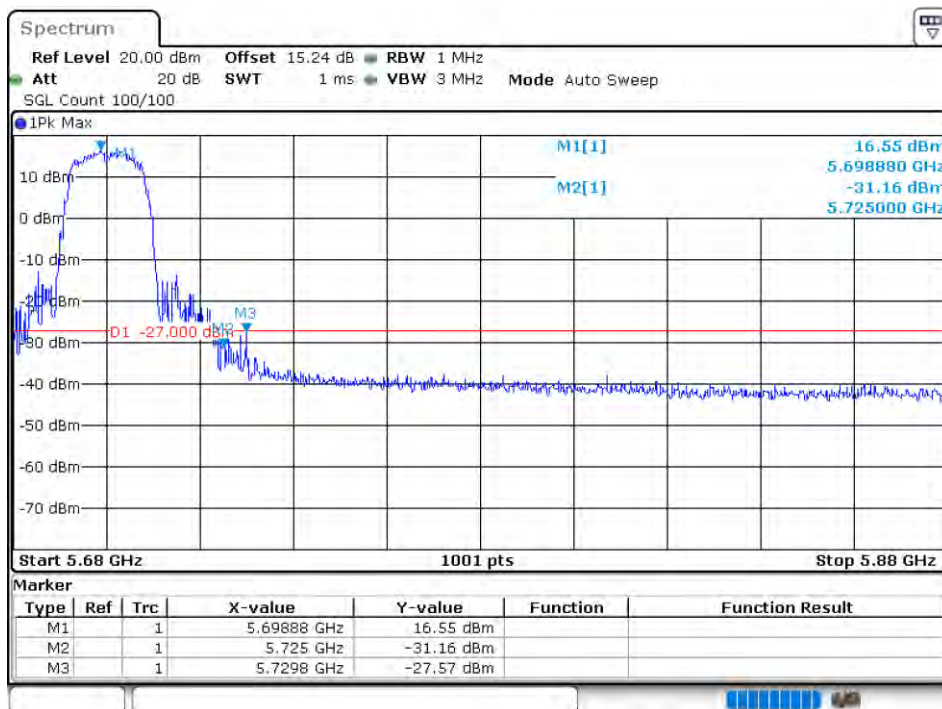
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5500	Ant1	-28.54	-27	Pass
NVNT	a	5700	Ant1	-27.56	-27	Pass
NVNT	n20	5500	Ant1	-27.81	-27	Pass
NVNT	n20	5700	Ant1	-27.27	-27	Pass
NVNT	n40	5510	Ant1	-27.7	-27	Pass
NVNT	n40	5670	Ant1	-32.08	-27	Pass
NVNT	ac20	5500	Ant1	-28.02	-27	Pass
NVNT	ac20	5700	Ant1	-27.13	-27	Pass
NVNT	ac40	5510	Ant1	-27.49	-27	Pass
NVNT	ac40	5670	Ant1	-33.31	-27	Pass
NVNT	ac80	5530	Ant1	-27.28	-27	Pass
NVNT	ac80	5610	Ant1	-38.17	-27	Pass

Test Graphs

Band Edge NVNT a 5500MHz Low Ant1

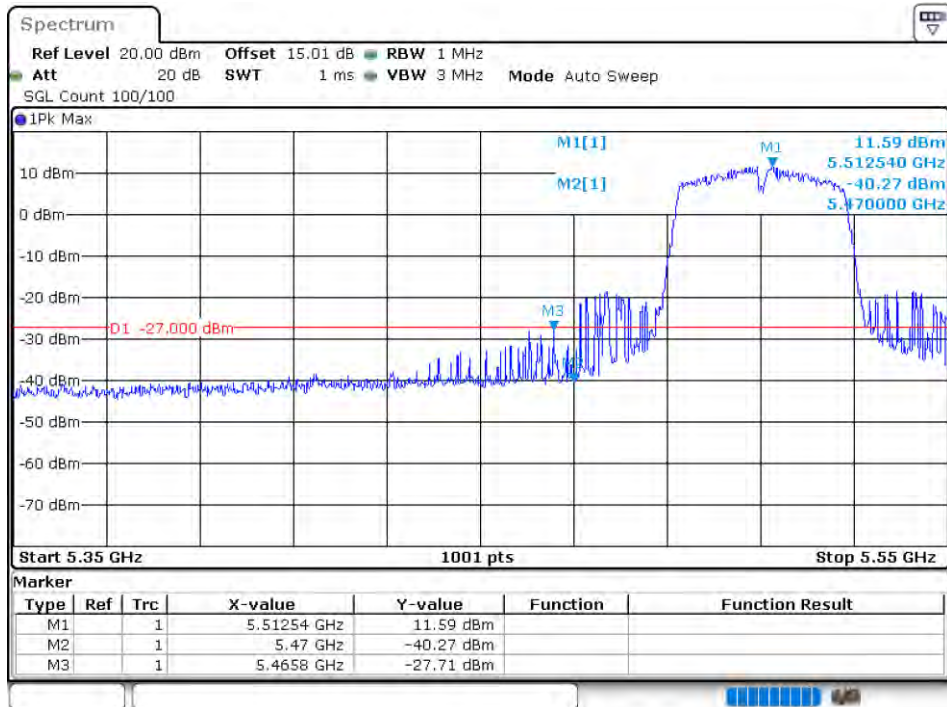


Band Edge NVNT a 5700MHz High Ant1





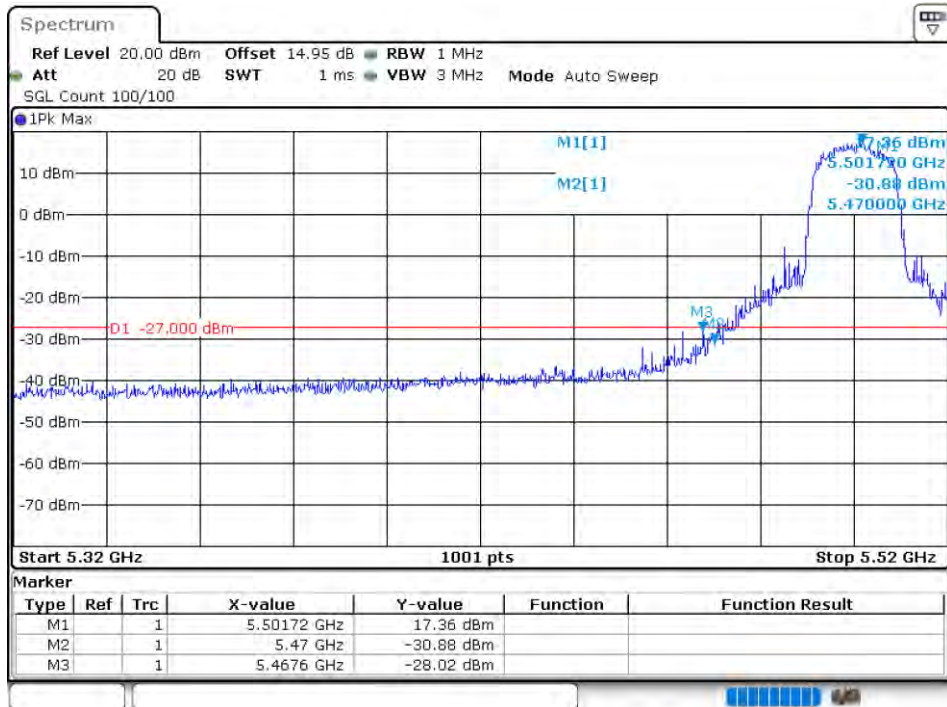
Band Edge NVNT n40 5510MHz Low Ant1



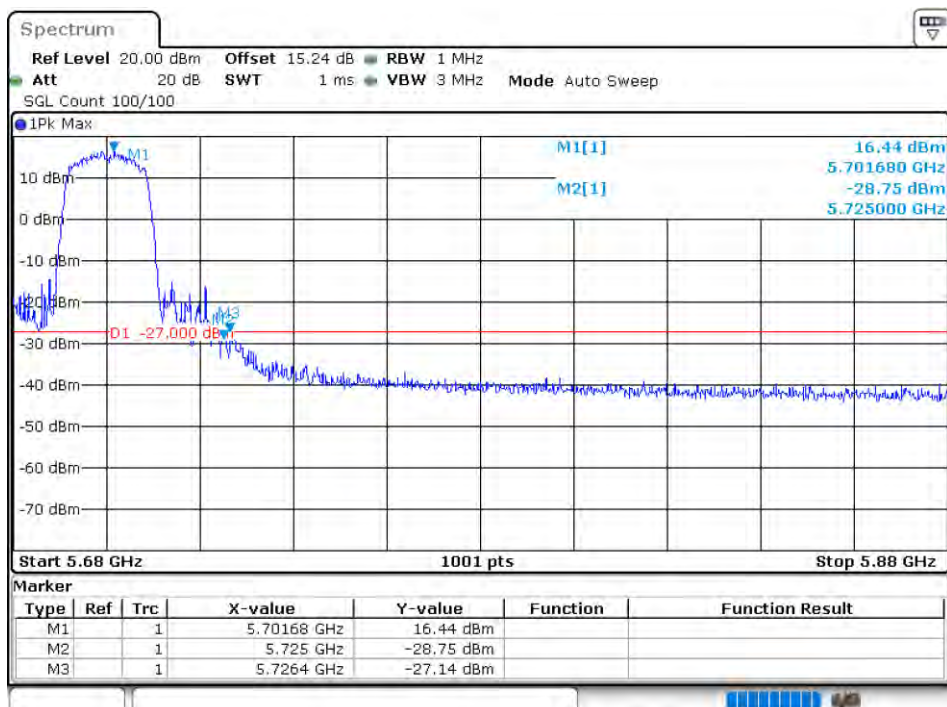
Band Edge NVNT n40 5670MHz High Ant1



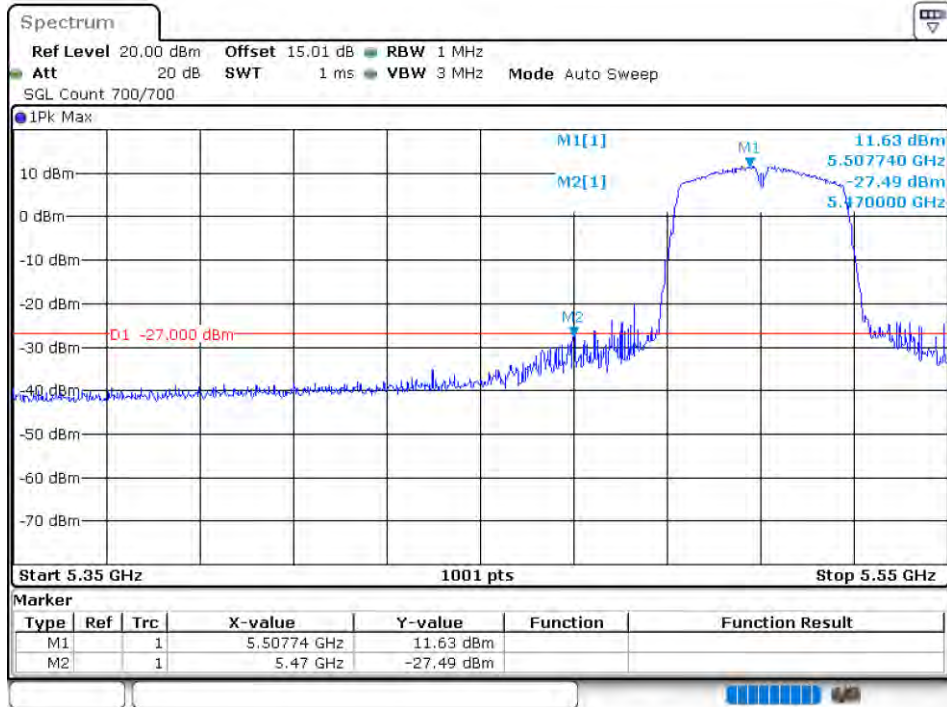
Band Edge NVNT ac20 5500MHz Low Ant1



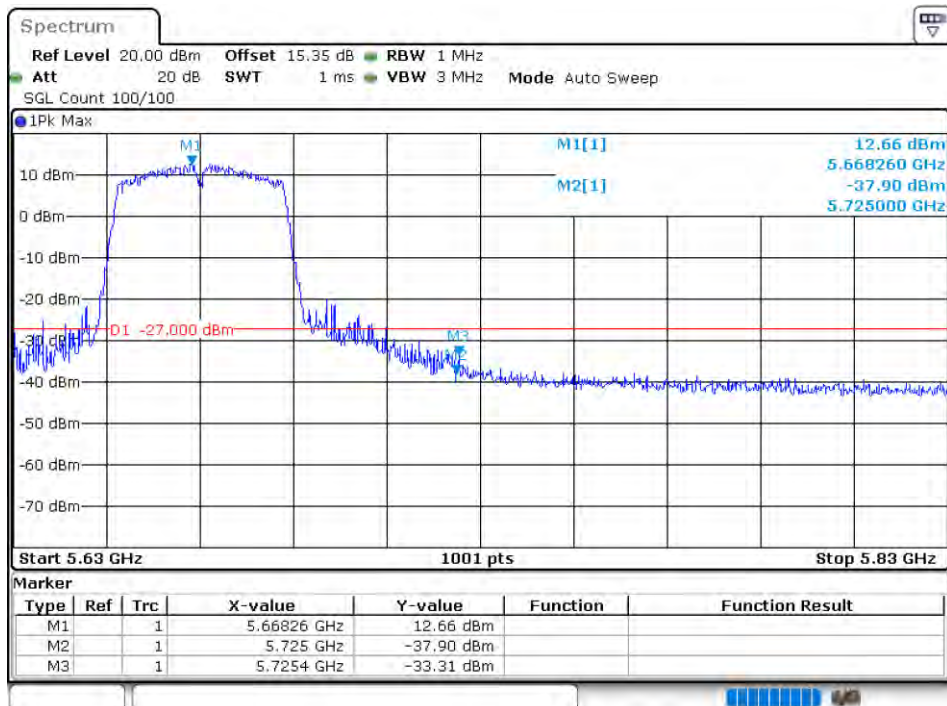
Band Edge NVNT ac20 5700MHz High Ant1

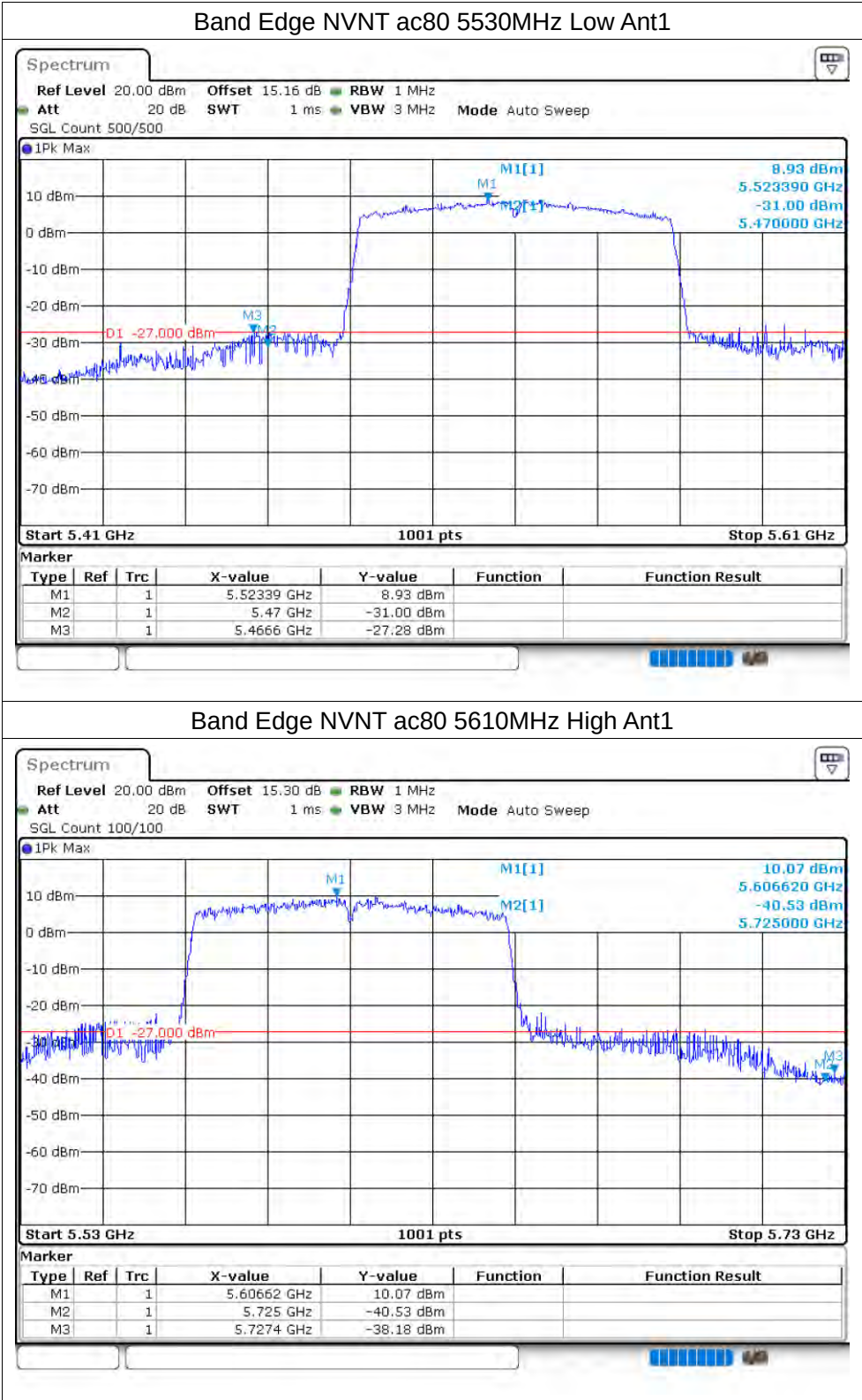


Band Edge NVNT ac40 5510MHz Low Ant1



Band Edge NVNT ac40 5670MHz High Ant1



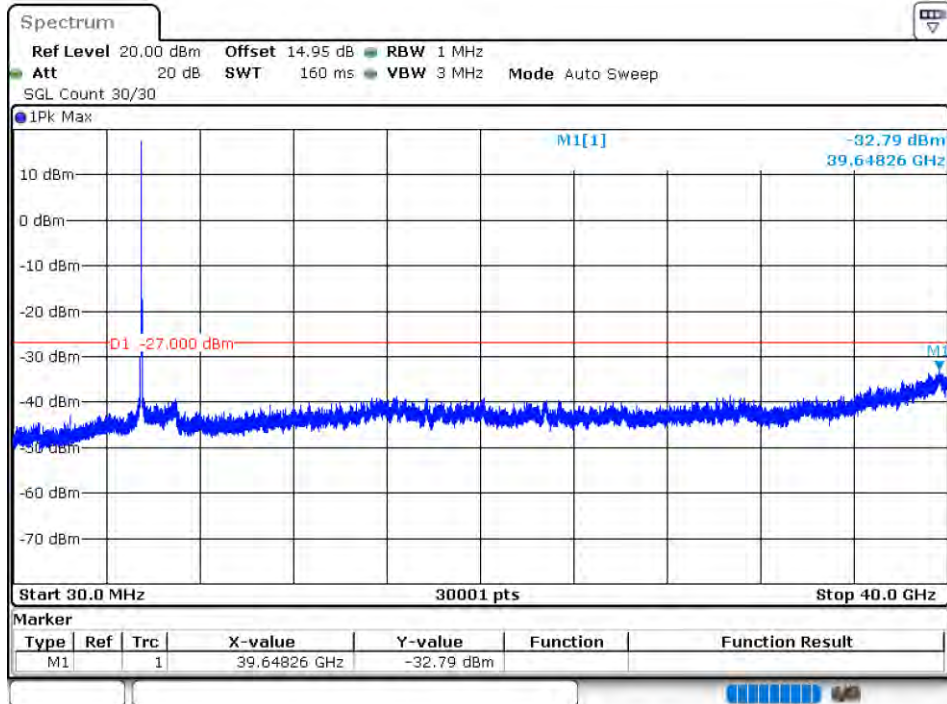


Conducted RF Spurious Emission

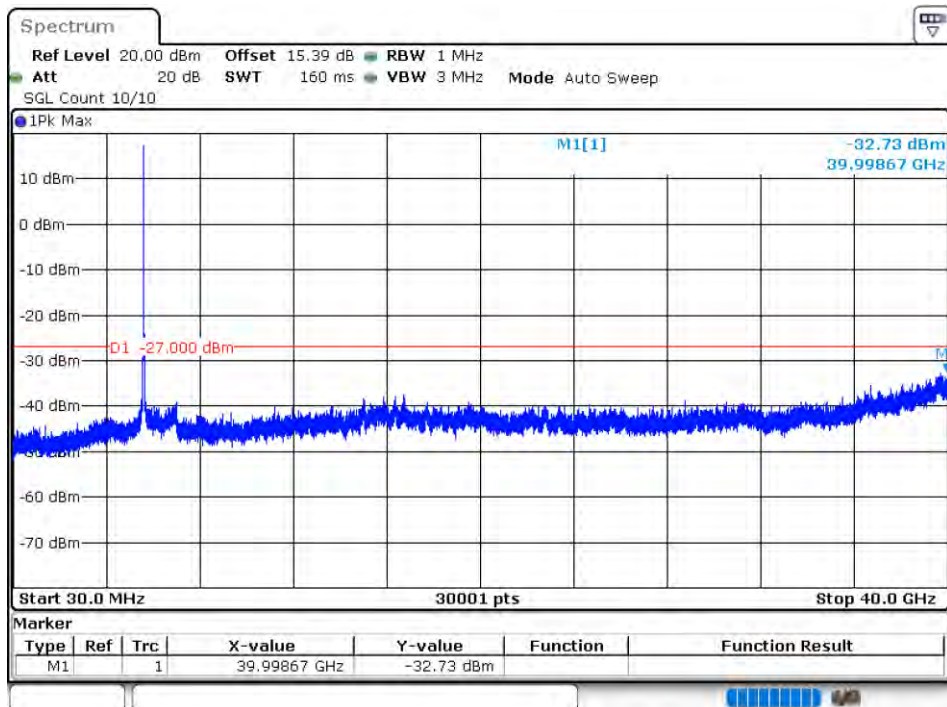
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5500	Ant1	-32.79	-27	Pass
NVNT	a	5600	Ant1	-32.72	-27	Pass
NVNT	a	5700	Ant1	-32.47	-27	Pass
NVNT	n20	5500	Ant1	-33.34	-27	Pass
NVNT	n20	5600	Ant1	-32.93	-27	Pass
NVNT	n20	5700	Ant1	-31.84	-27	Pass
NVNT	n40	5510	Ant1	-31.72	-27	Pass
NVNT	n40	5590	Ant1	-32.76	-27	Pass
NVNT	n40	5670	Ant1	-32.06	-27	Pass
NVNT	ac20	5500	Ant1	-32.09	-27	Pass
NVNT	ac20	5600	Ant1	-32.53	-27	Pass
NVNT	ac20	5700	Ant1	-32.71	-27	Pass
NVNT	ac40	5510	Ant1	-32.81	-27	Pass
NVNT	ac40	5590	Ant1	-31.79	-27	Pass
NVNT	ac40	5670	Ant1	-32.19	-27	Pass
NVNT	ac80	5530	Ant1	-31.92	-27	Pass
NVNT	ac80	5610	Ant1	-32.65	-27	Pass

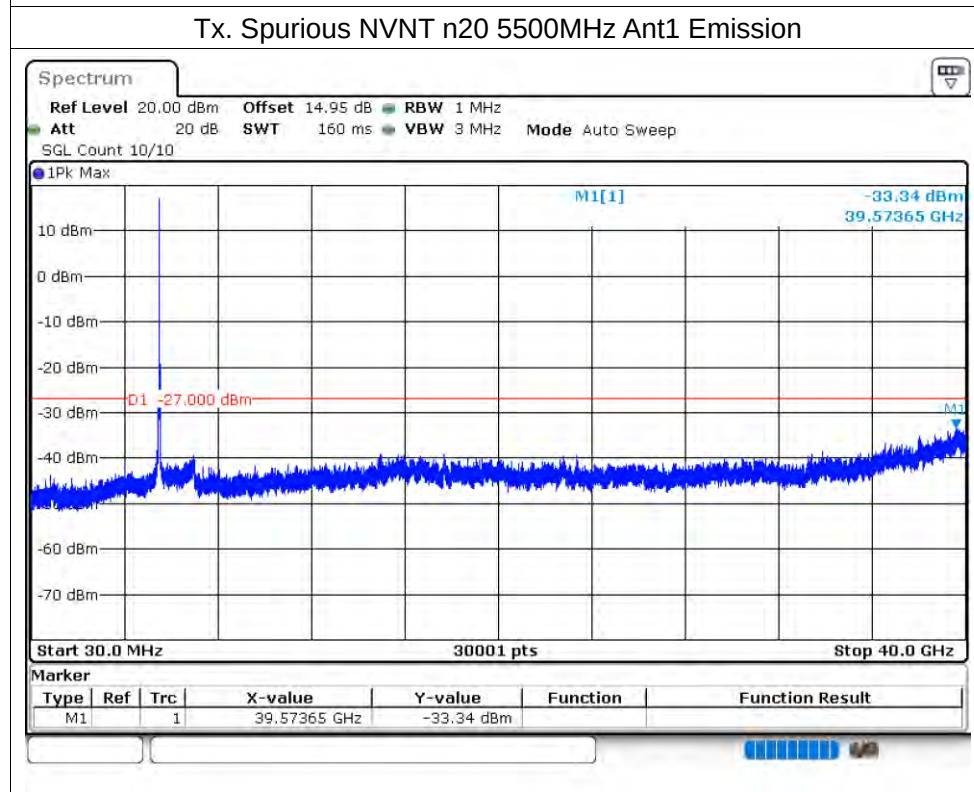
Test Graphs

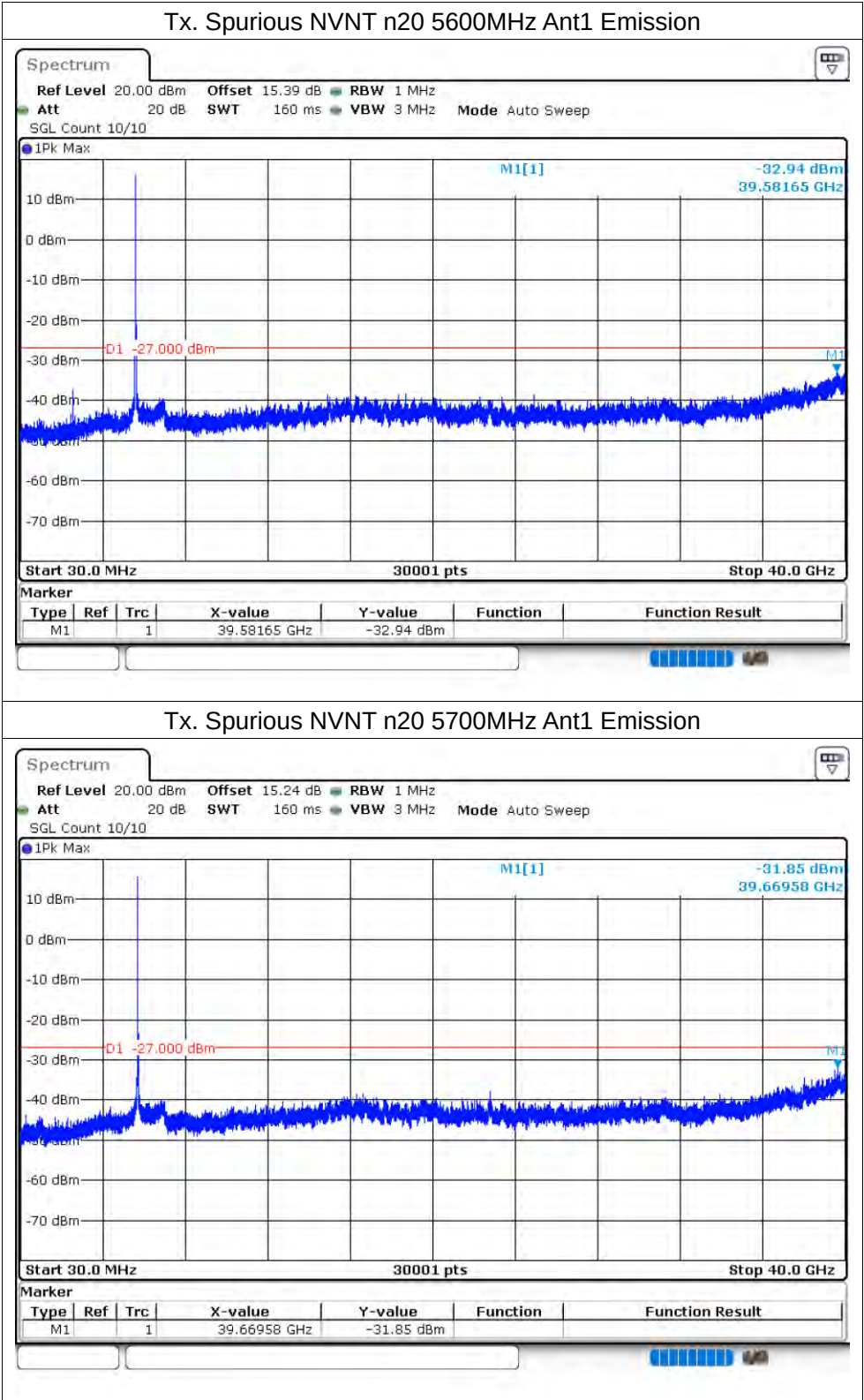
Tx. Spurious NVNT a 5500MHz Ant1 Emission



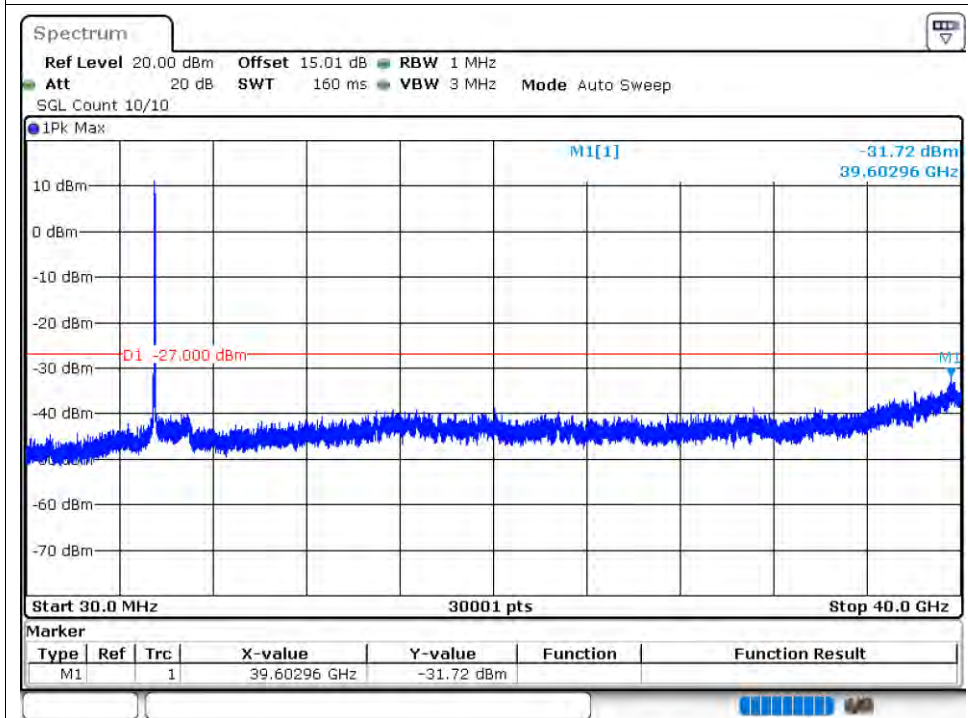
Tx. Spurious NVNT a 5600MHz Ant1 Emission



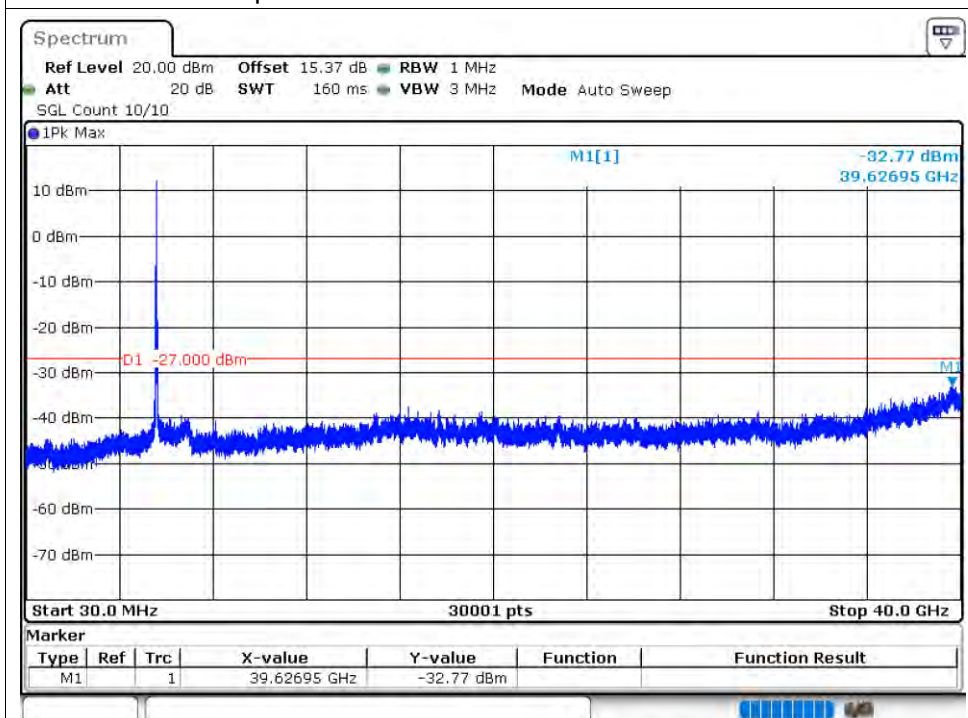


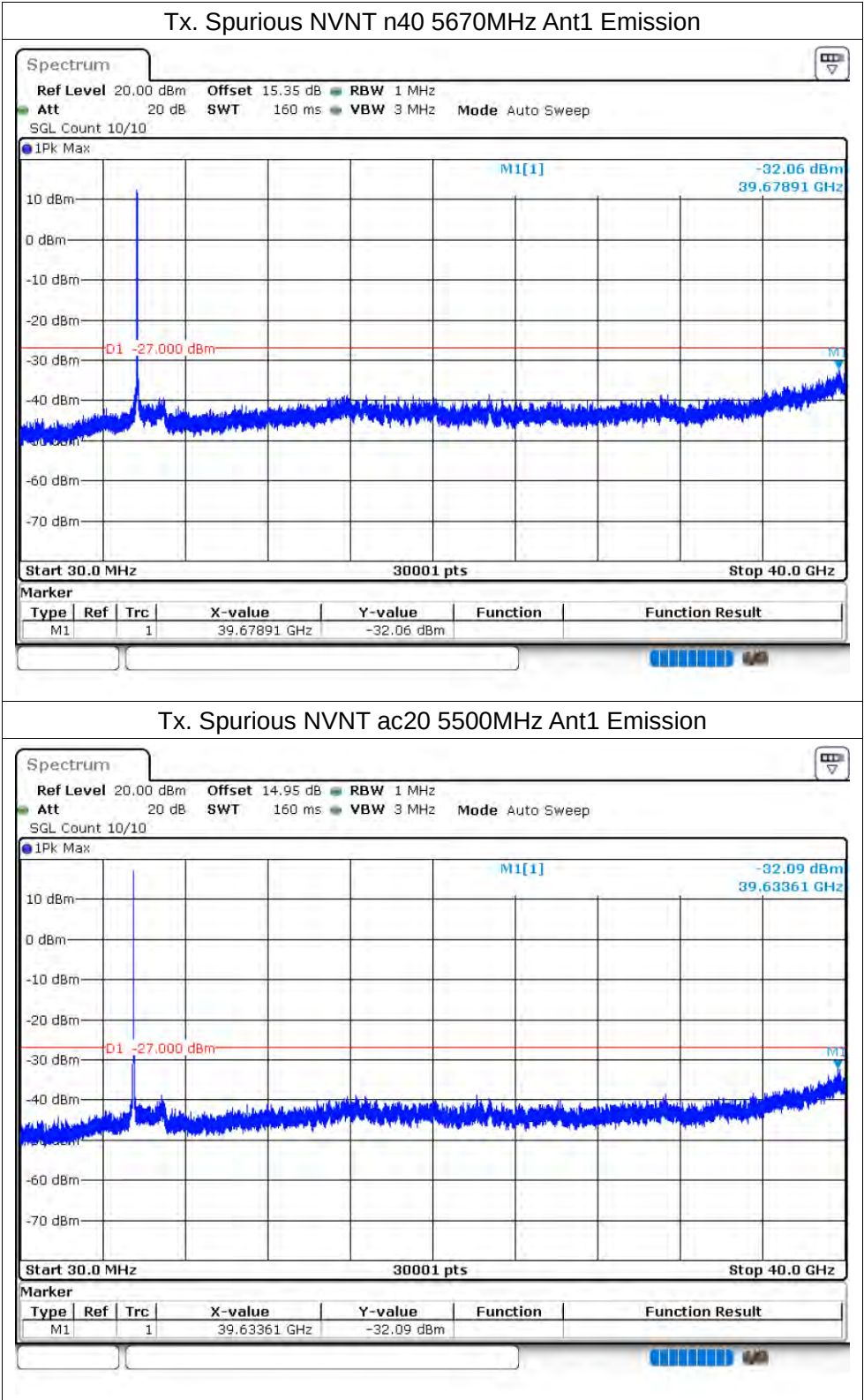


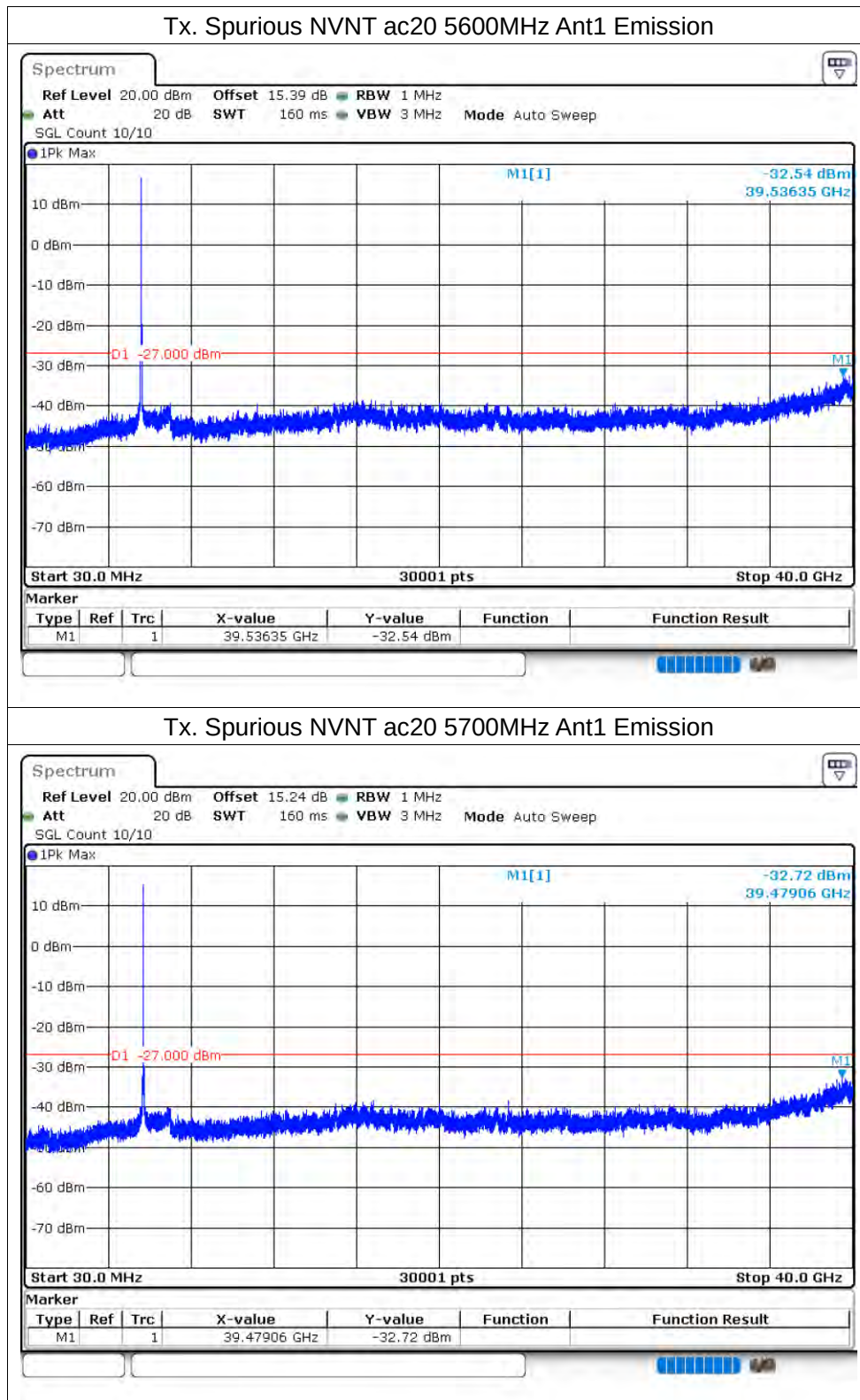
Tx. Spurious NVNT n40 5510MHz Ant1 Emission



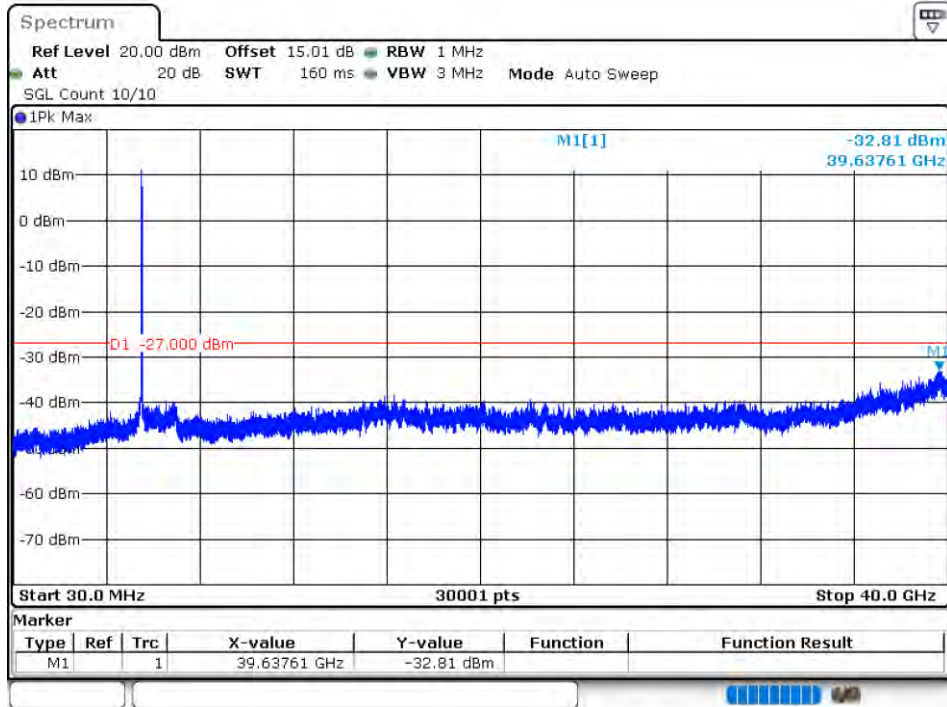
Tx. Spurious NVNT n40 5590MHz Ant1 Emission



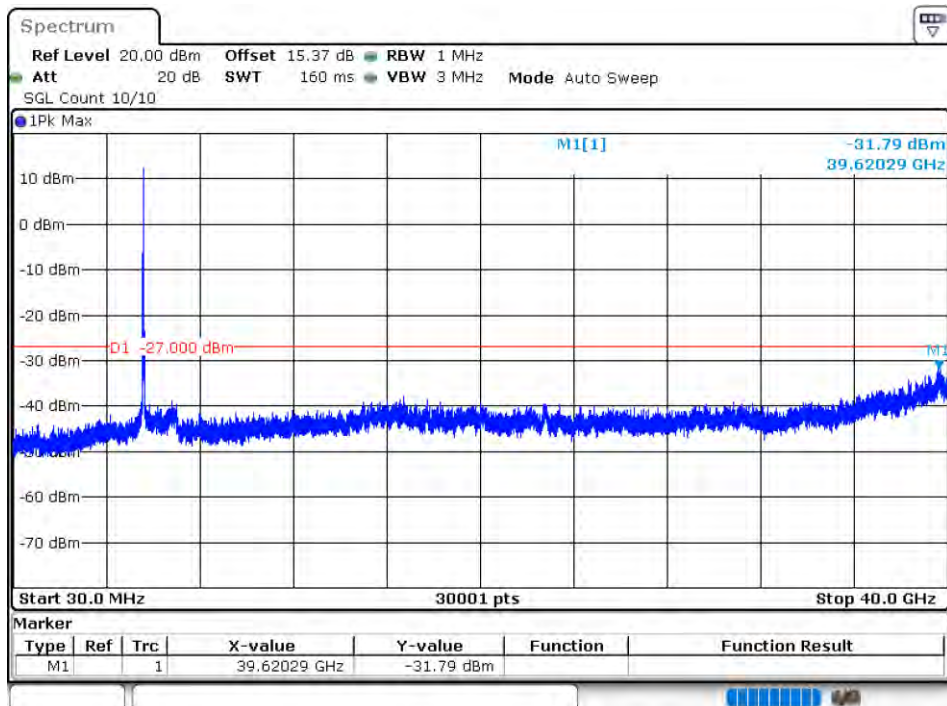


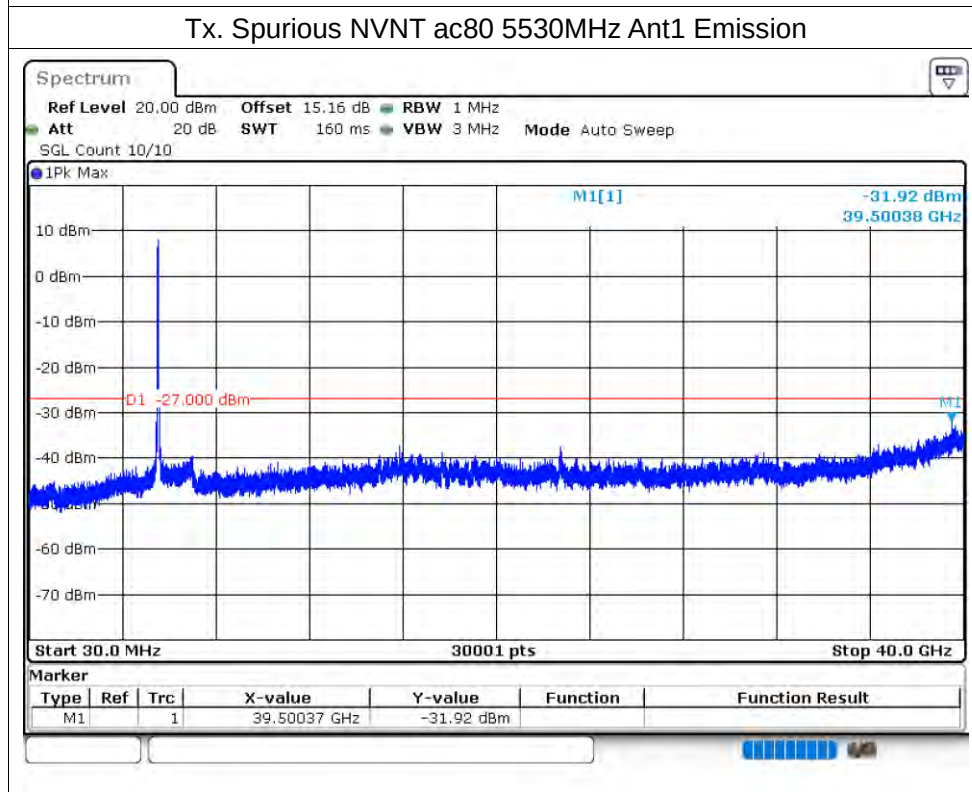
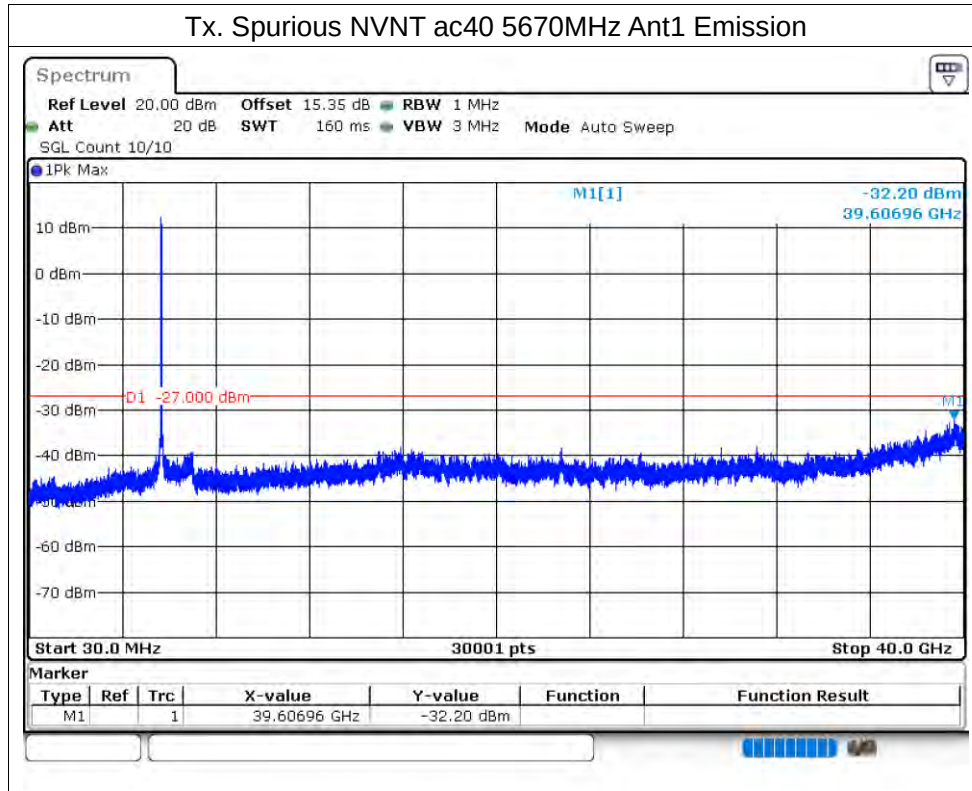


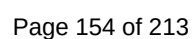
Tx. Spurious NVNT ac40 5510MHz Ant1 Emission



Tx. Spurious NVNT ac40 5590MHz Ant1 Emission







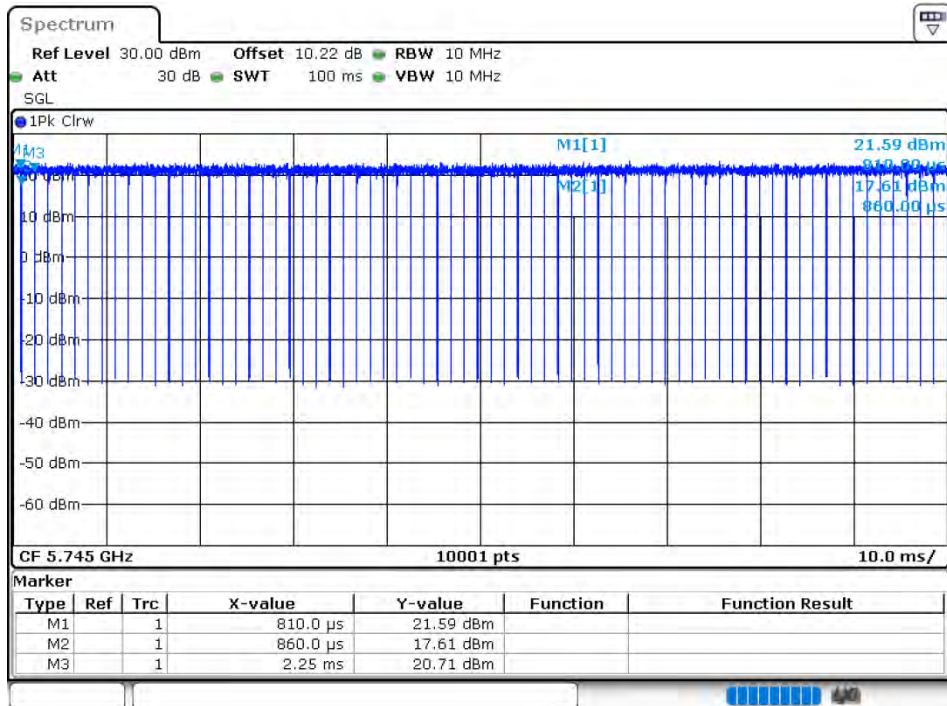
5.8G WIFI

Duty Cycle

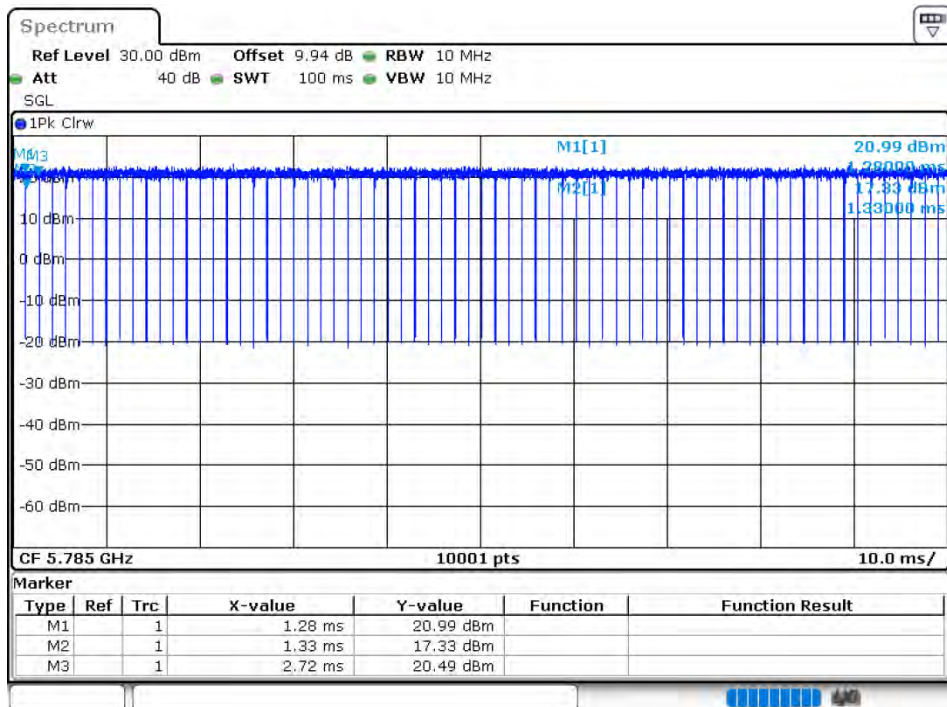
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	97.67	0.1	0.72
NVNT	a	5785	Ant1	97.59	0.11	0.72
NVNT	a	5825	Ant1	97.68	0.1	0.72
NVNT	n20	5745	Ant1	97.42	0.11	0.77
NVNT	n20	5785	Ant1	97.44	0.11	0.77
NVNT	n20	5825	Ant1	97.51	0.11	0.77
NVNT	n40	5755	Ant1	95.26	0.21	1.54
NVNT	n40	5795	Ant1	95.27	0.21	1.54
NVNT	ac20	5745	Ant1	97.58	0.11	0.76
NVNT	ac20	5785	Ant1	97.43	0.11	0.76
NVNT	ac20	5825	Ant1	97.56	0.11	0.76
NVNT	ac40	5755	Ant1	95.26	0.21	1.54
NVNT	ac40	5795	Ant1	95.29	0.21	1.54
NVNT	ac80	5775	Ant1	90.73	0.42	3.13

Test Graphs

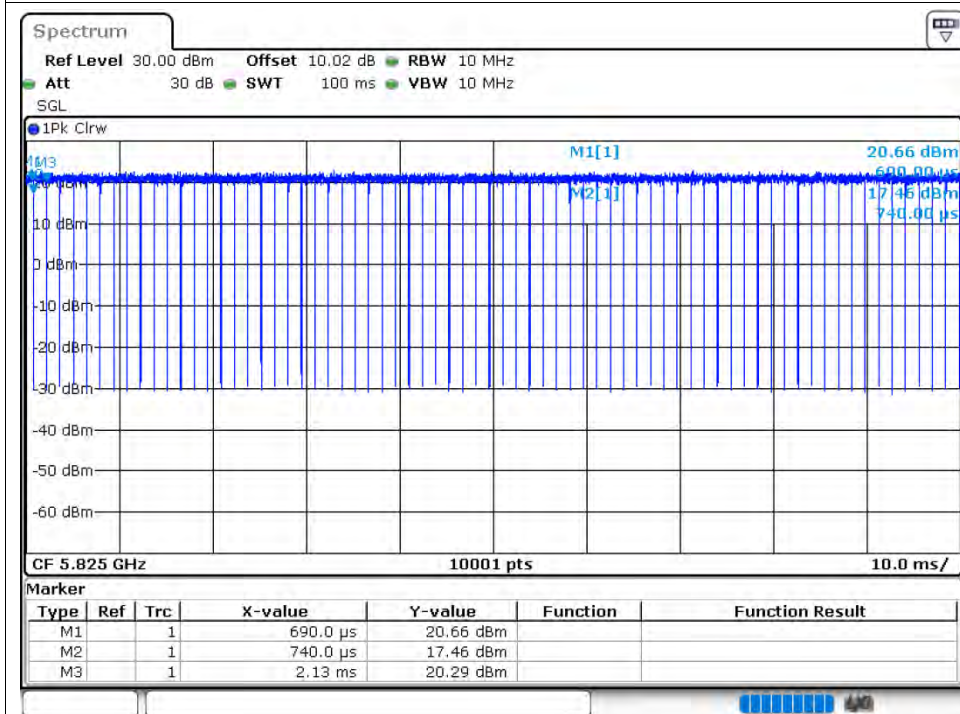
Duty Cycle NVNT a 5745MHz Ant1



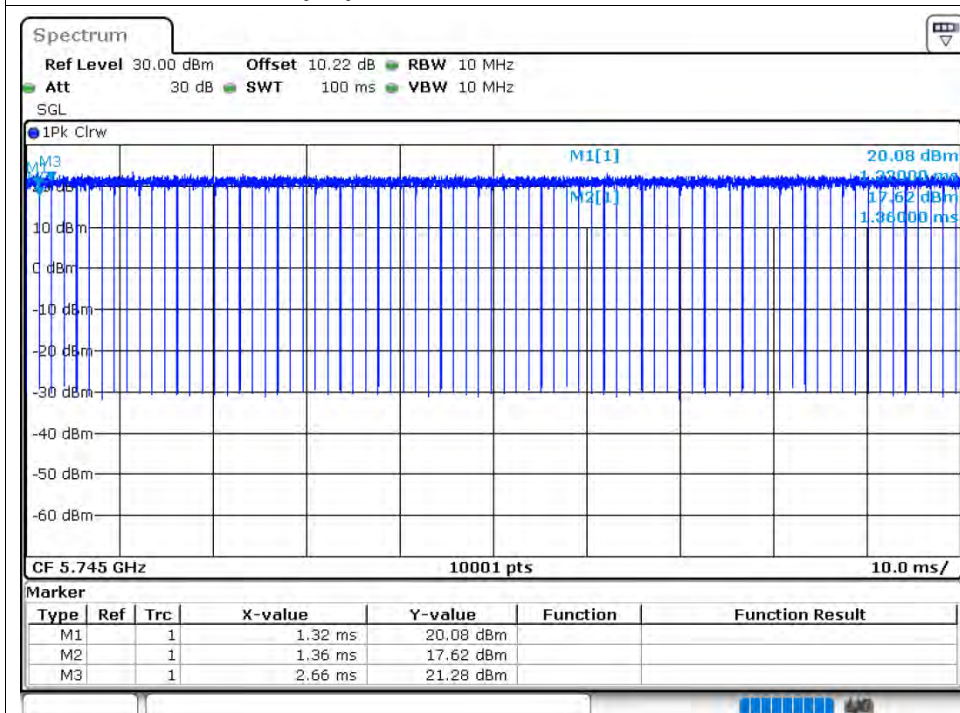
Duty Cycle NVNT a 5785MHz Ant1



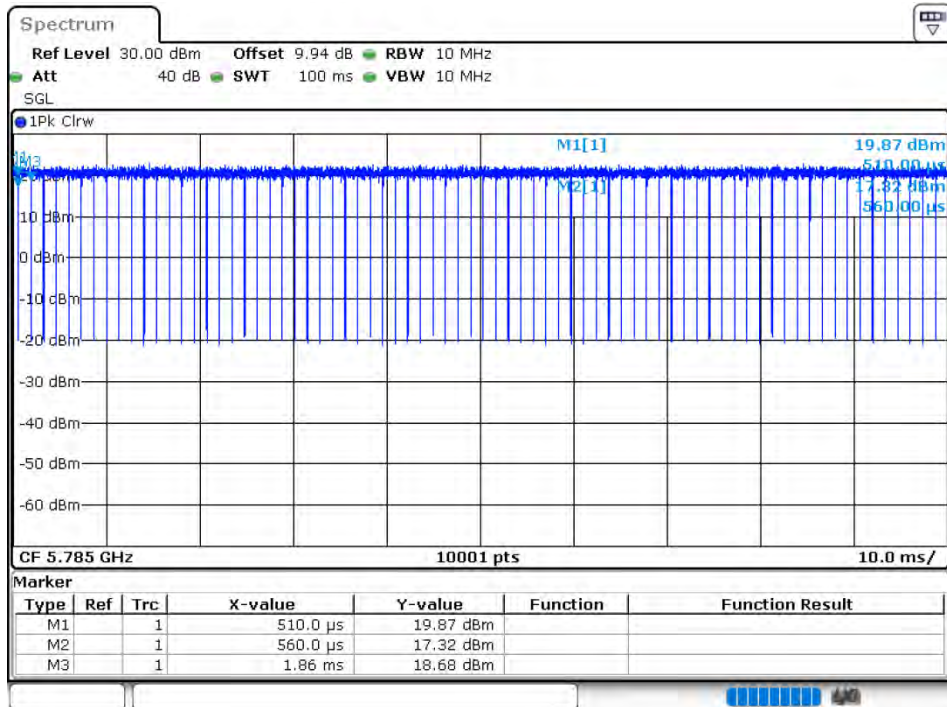
Duty Cycle NVNT a 5825MHz Ant1



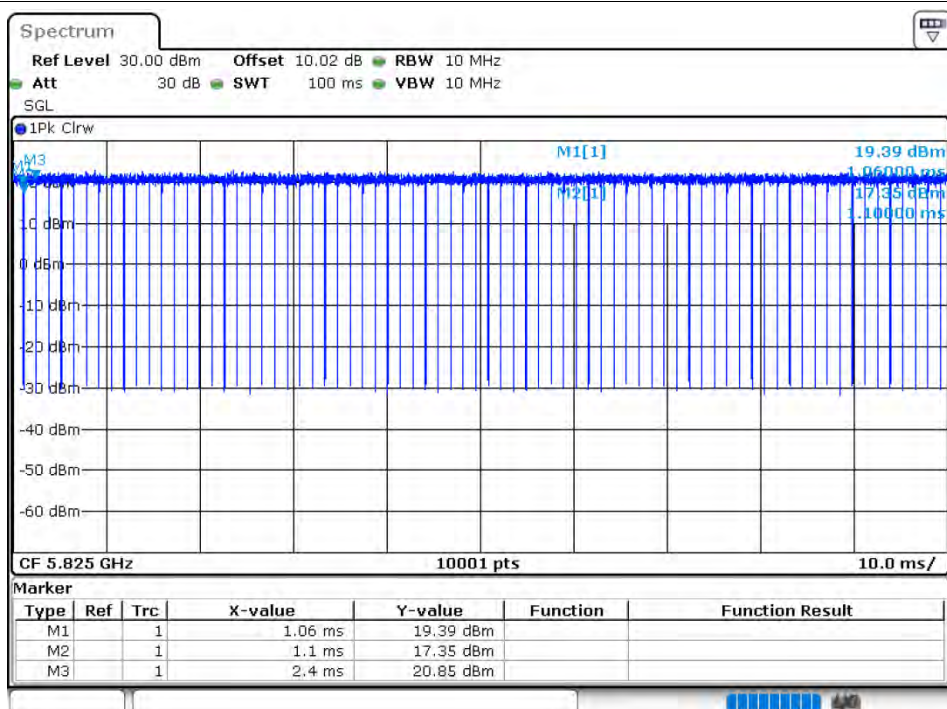
Duty Cycle NVNT n20 5745MHz Ant1

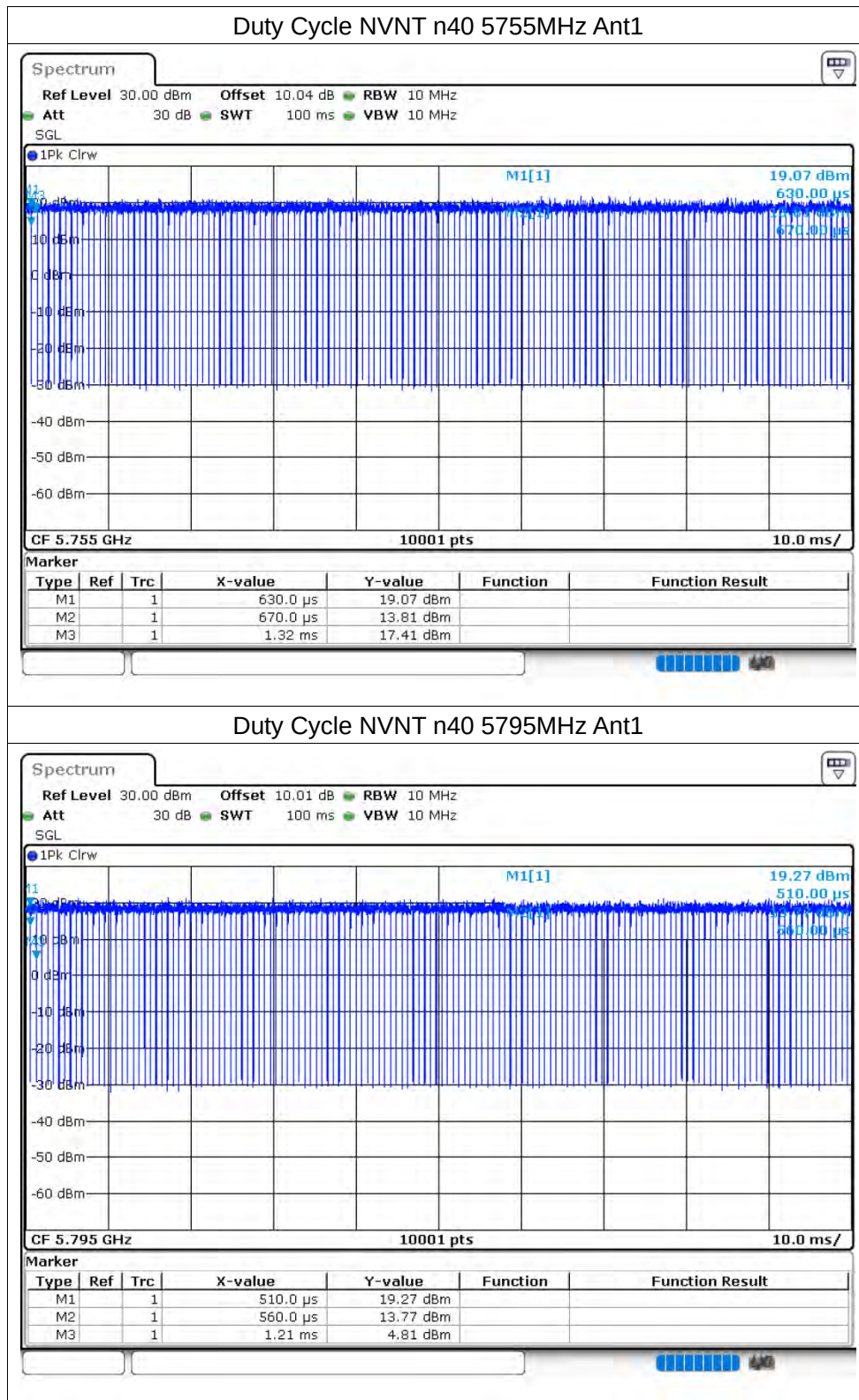


Duty Cycle NVNT n20 5785MHz Ant1

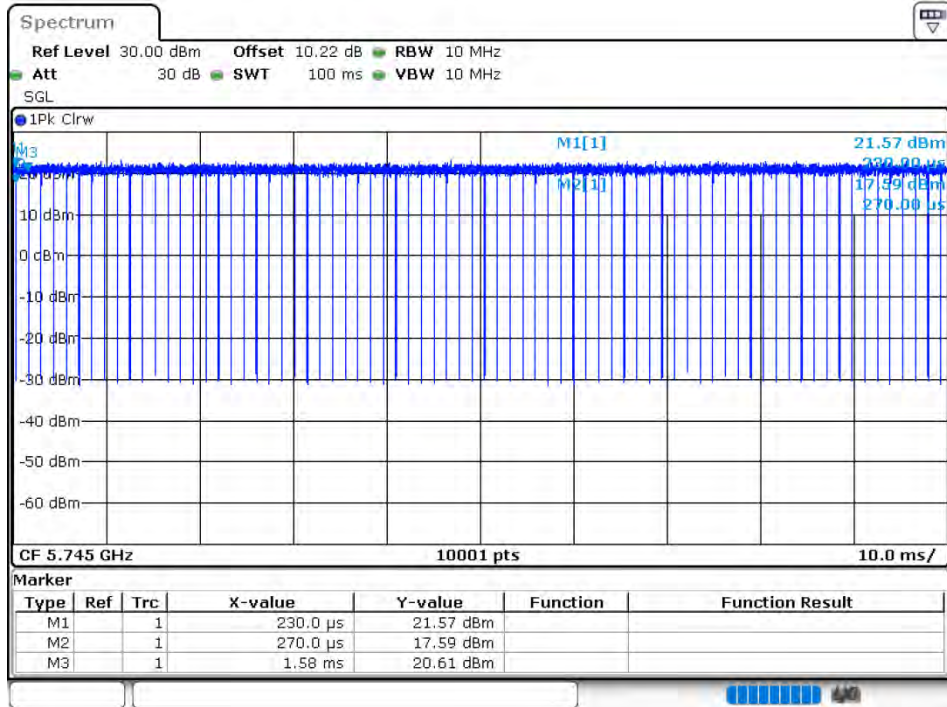


Duty Cycle NVNT n20 5825MHz Ant1

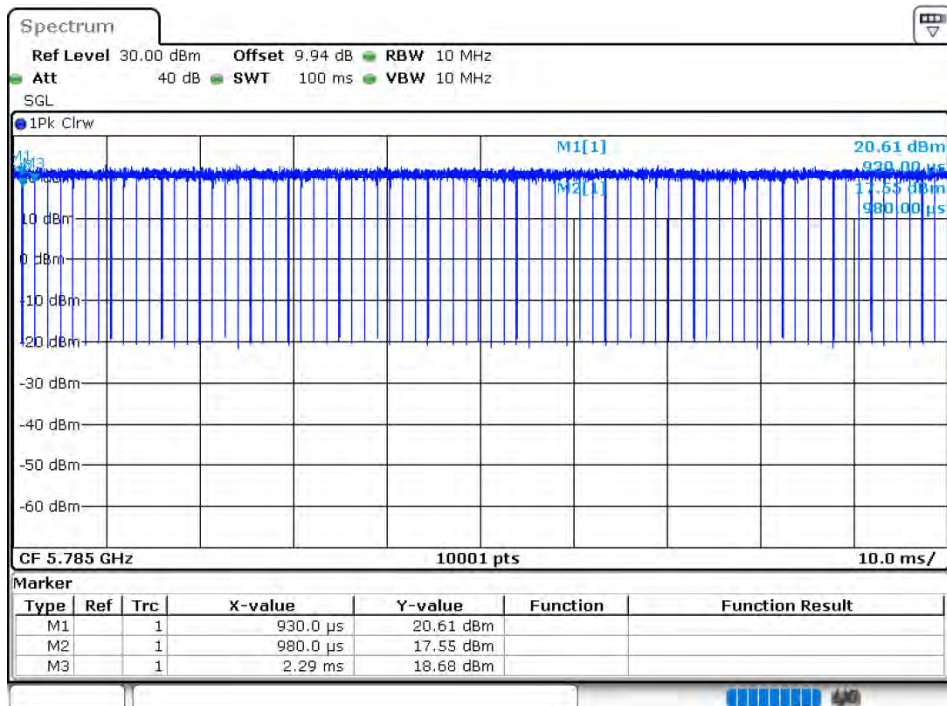


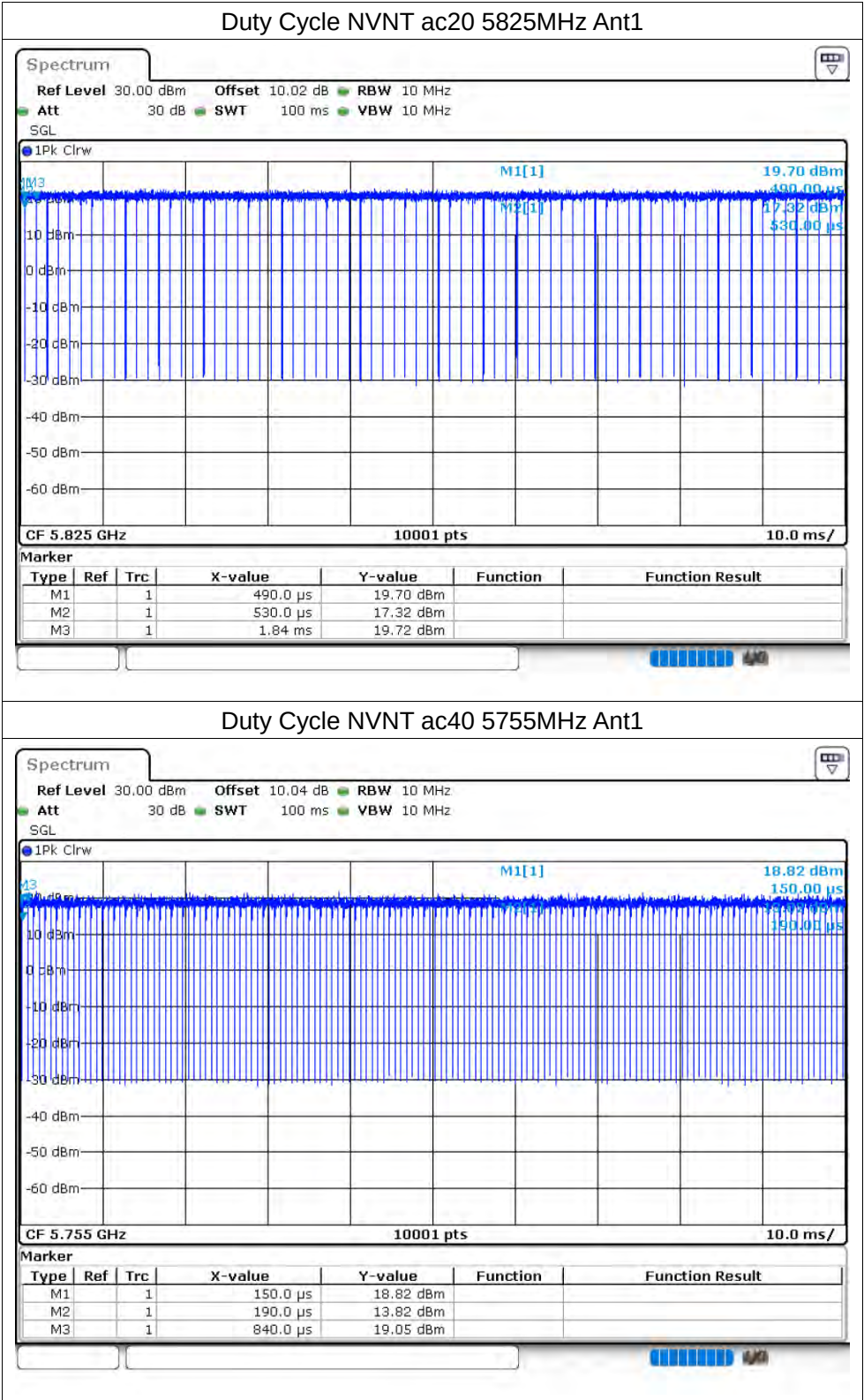


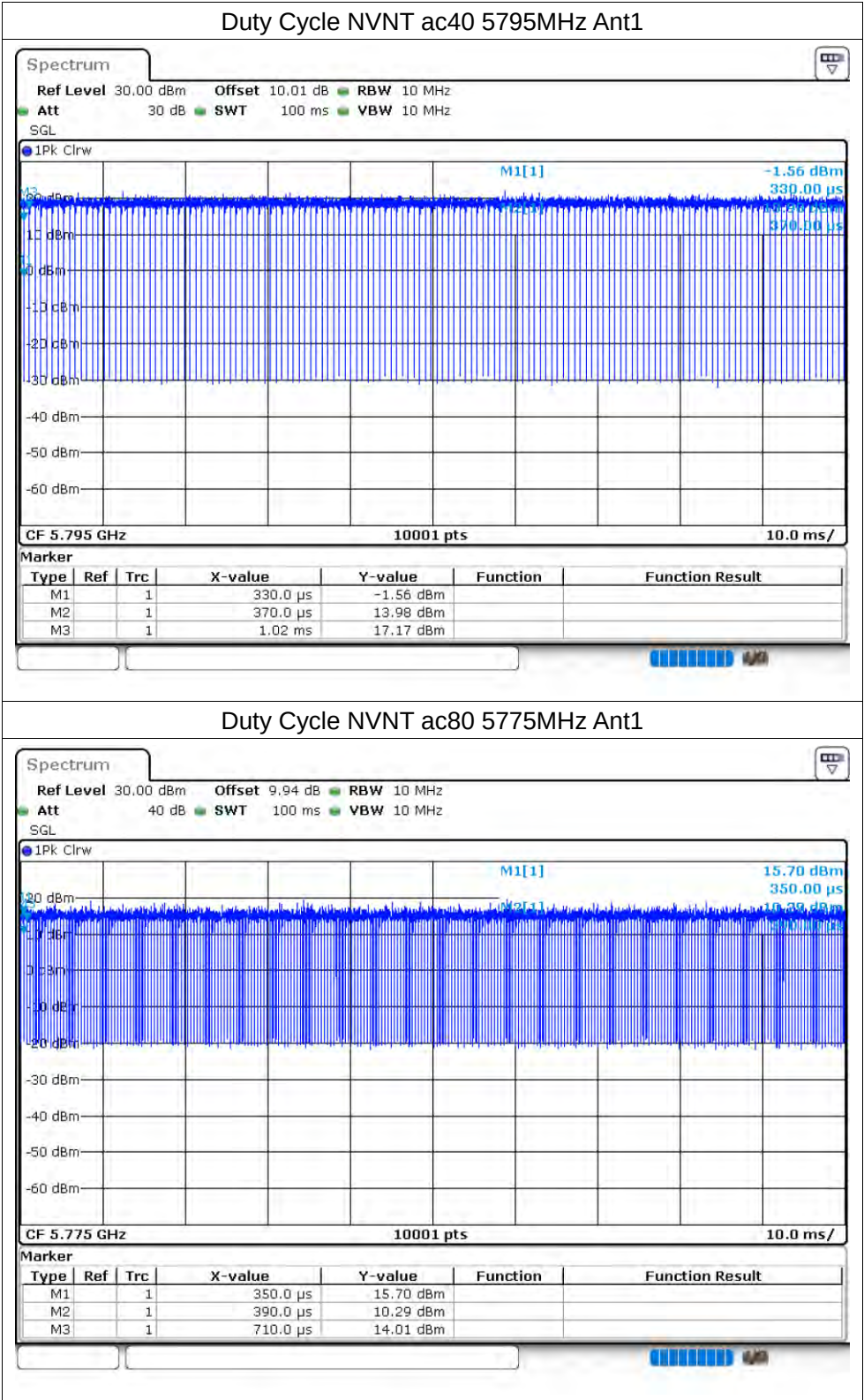
Duty Cycle NVNT ac20 5745MHz Ant1



Duty Cycle NVNT ac20 5785MHz Ant1







Maximum Conducted Output Power

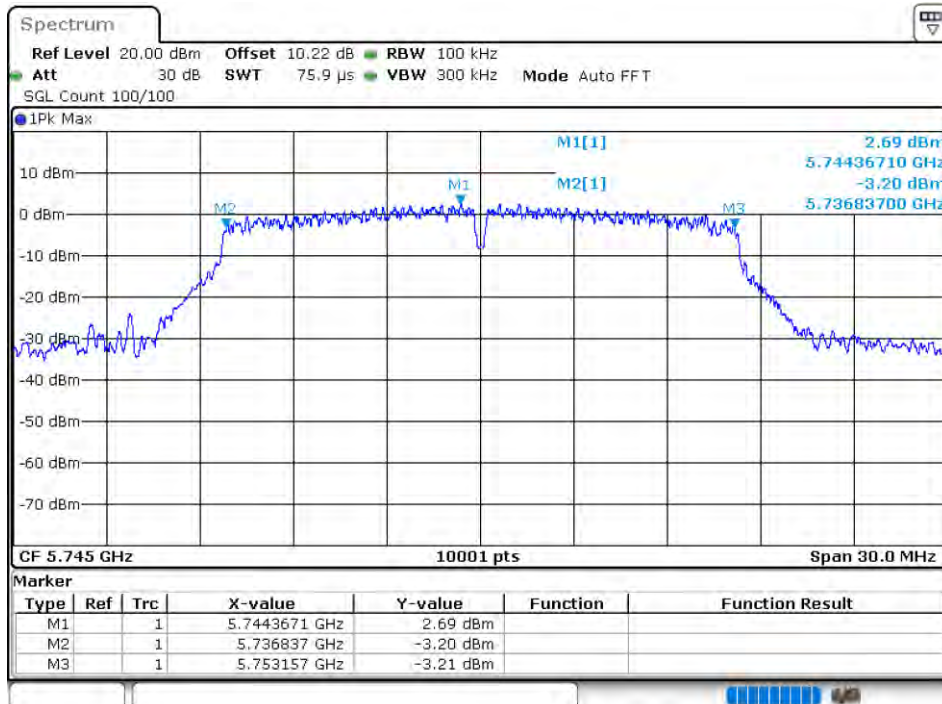
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	14.17	0.1	14.27	30	Pass
NVNT	a	5785	Ant1	14.35	0.11	14.46	30	Pass
NVNT	a	5825	Ant1	14.69	0.1	14.79	30	Pass
NVNT	n20	5745	Ant1	14.07	0.11	14.18	30	Pass
NVNT	n20	5785	Ant1	14.14	0.11	14.25	30	Pass
NVNT	n20	5825	Ant1	14.55	0.11	14.66	30	Pass
NVNT	n40	5755	Ant1	14.63	0.21	14.84	30	Pass
NVNT	n40	5795	Ant1	14.21	0.21	14.42	30	Pass
NVNT	ac20	5745	Ant1	14.01	0.11	14.12	30	Pass
NVNT	ac20	5785	Ant1	14.31	0.11	14.42	30	Pass
NVNT	ac20	5825	Ant1	14.65	0.11	14.76	30	Pass
NVNT	ac40	5755	Ant1	14.65	0.21	14.86	30	Pass
NVNT	ac40	5795	Ant1	14.19	0.21	14.4	30	Pass
NVNT	ac80	5775	Ant1	14.53	0.42	14.95	30	Pass

-6dB Bandwidth

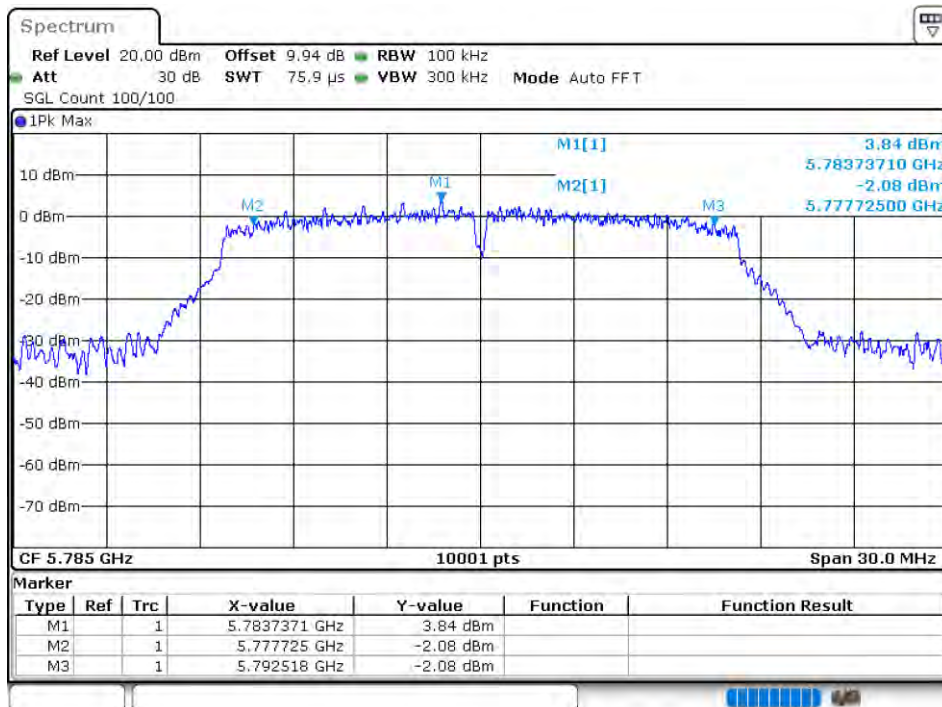
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.32	0.5	Pass
NVNT	a	5785	Ant1	14.793	0.5	Pass
NVNT	a	5825	Ant1	14.823	0.5	Pass
NVNT	n20	5745	Ant1	13.515	0.5	Pass
NVNT	n20	5785	Ant1	17.556	0.5	Pass
NVNT	n20	5825	Ant1	14.175	0.5	Pass
NVNT	n40	5755	Ant1	35.106	0.5	Pass
NVNT	n40	5795	Ant1	35.094	0.5	Pass
NVNT	ac20	5745	Ant1	16.533	0.5	Pass
NVNT	ac20	5785	Ant1	13.812	0.5	Pass
NVNT	ac20	5825	Ant1	17.544	0.5	Pass
NVNT	ac40	5755	Ant1	27.612	0.5	Pass
NVNT	ac40	5795	Ant1	32.592	0.5	Pass
NVNT	ac80	5775	Ant1	75.084	0.5	Pass

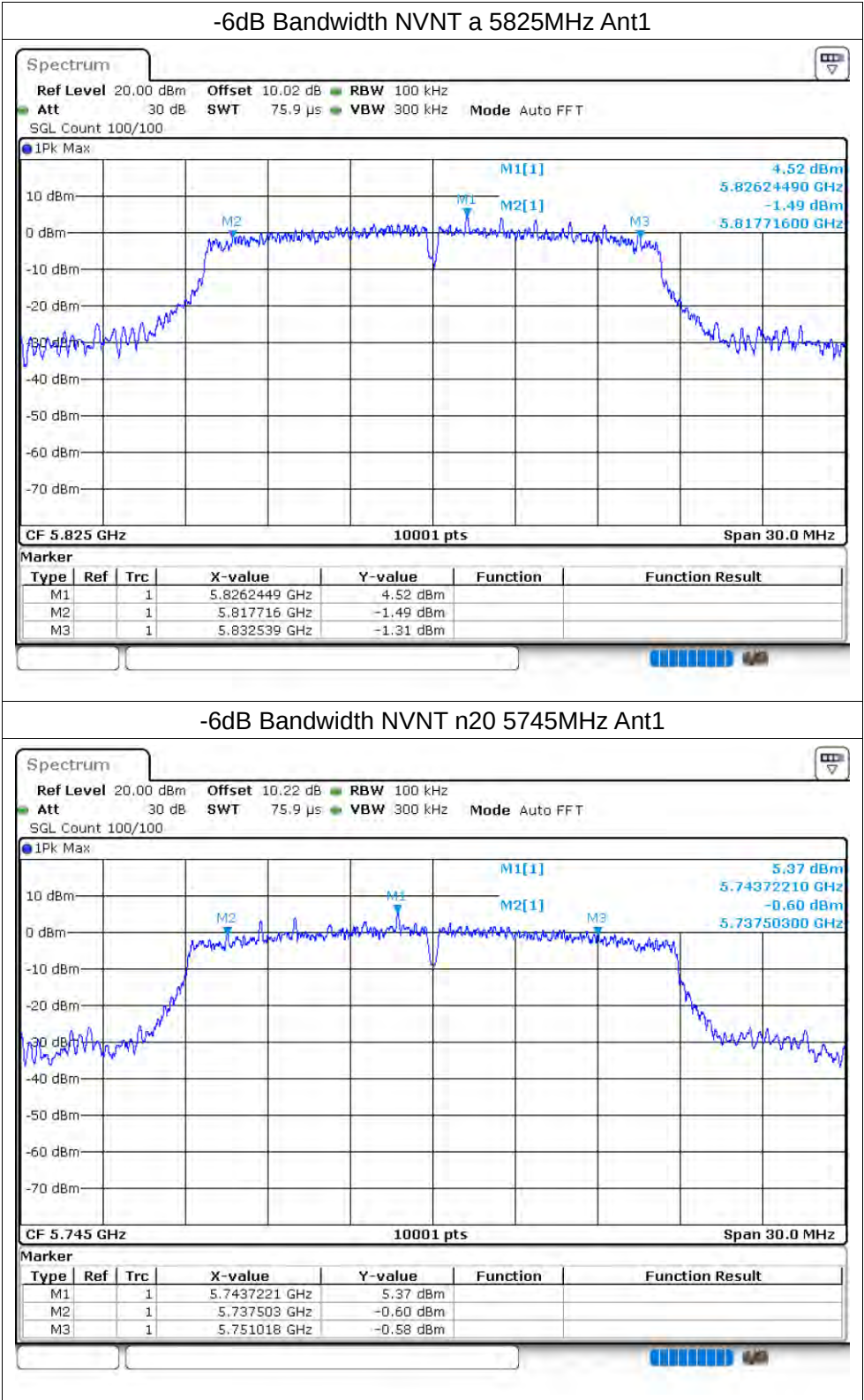
Test Graphs

-6dB Bandwidth NVNT a 5745MHz Ant1

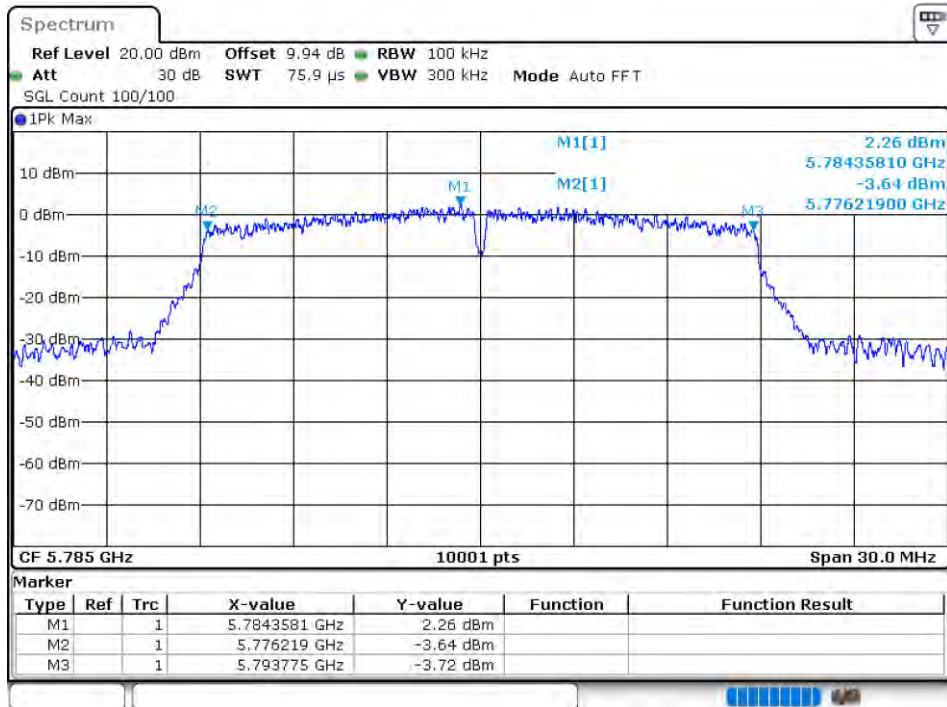


-6dB Bandwidth NVNT a 5785MHz Ant1

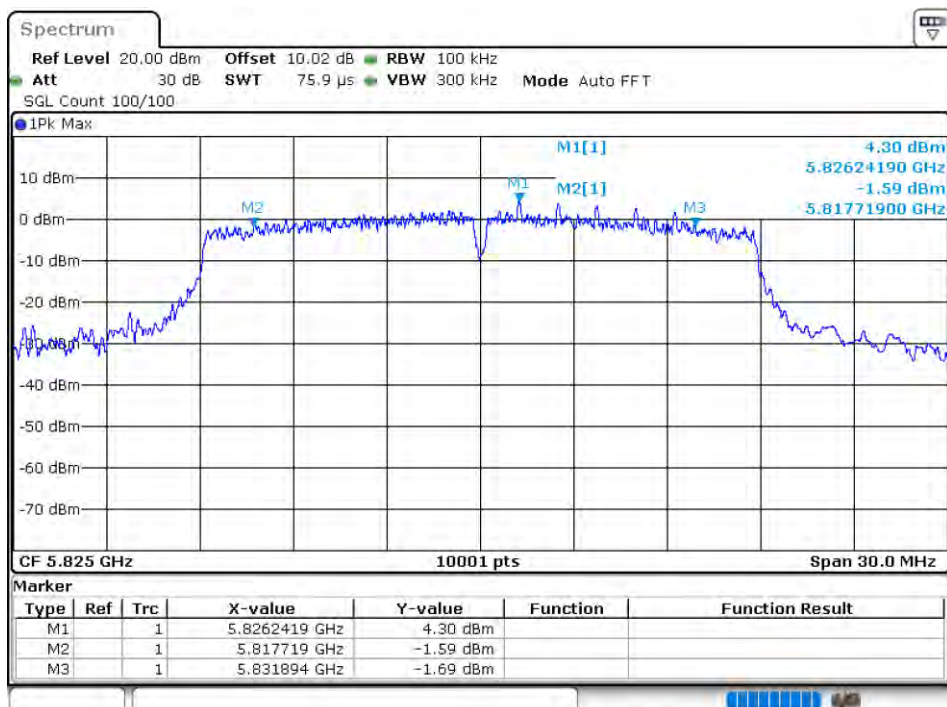




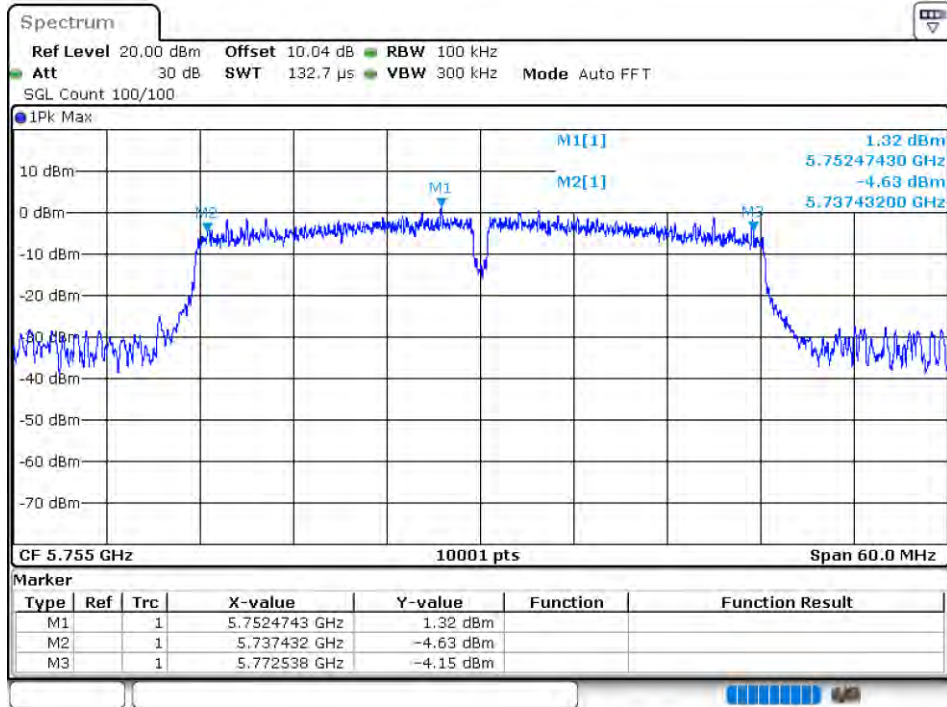
-6dB Bandwidth NVNT n20 5785MHz Ant1



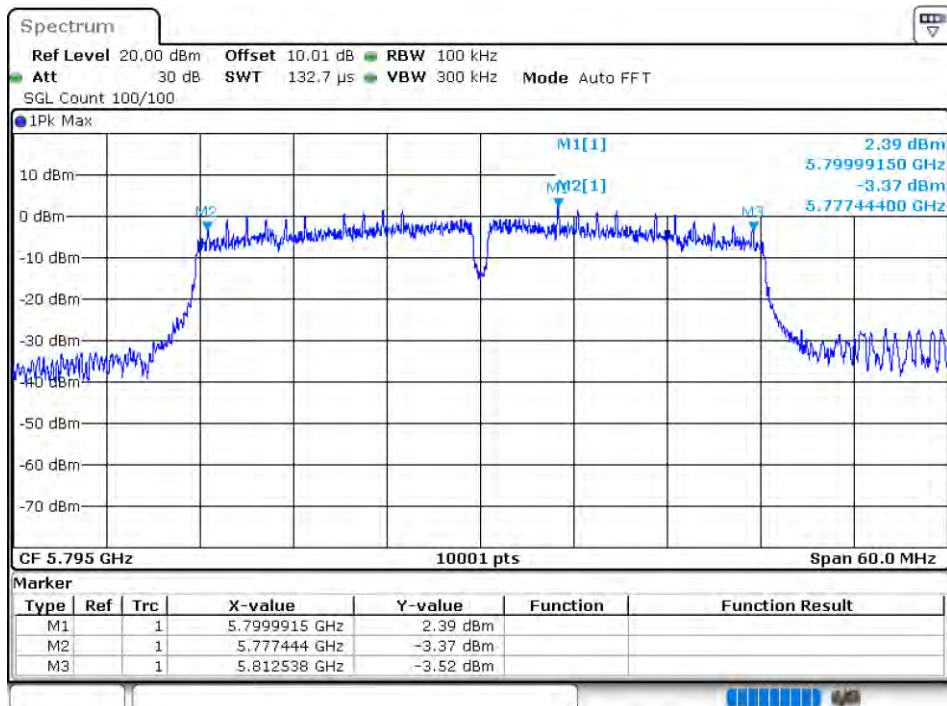
-6dB Bandwidth NVNT n20 5825MHz Ant1

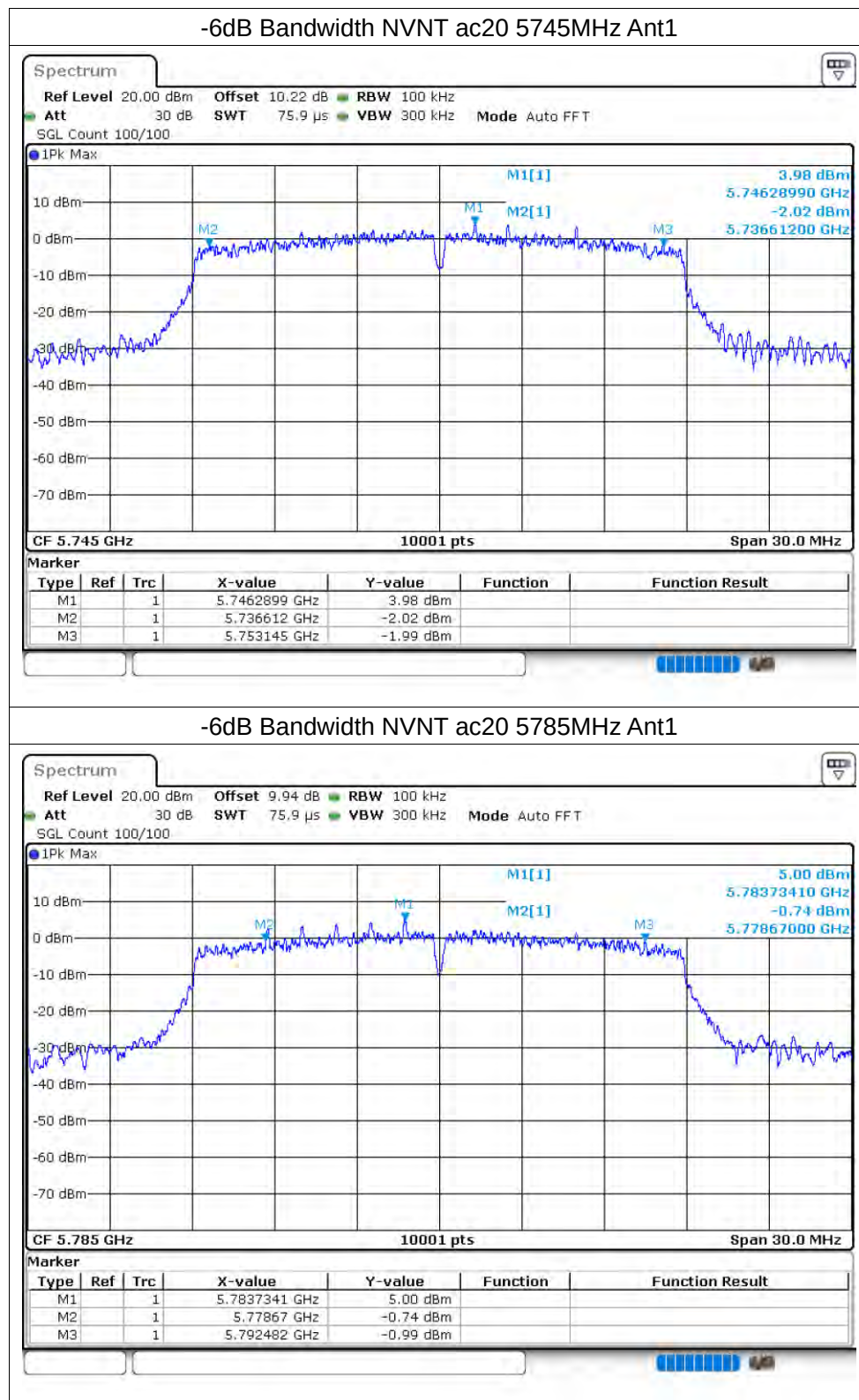


-6dB Bandwidth NVNT n40 5755MHz Ant1

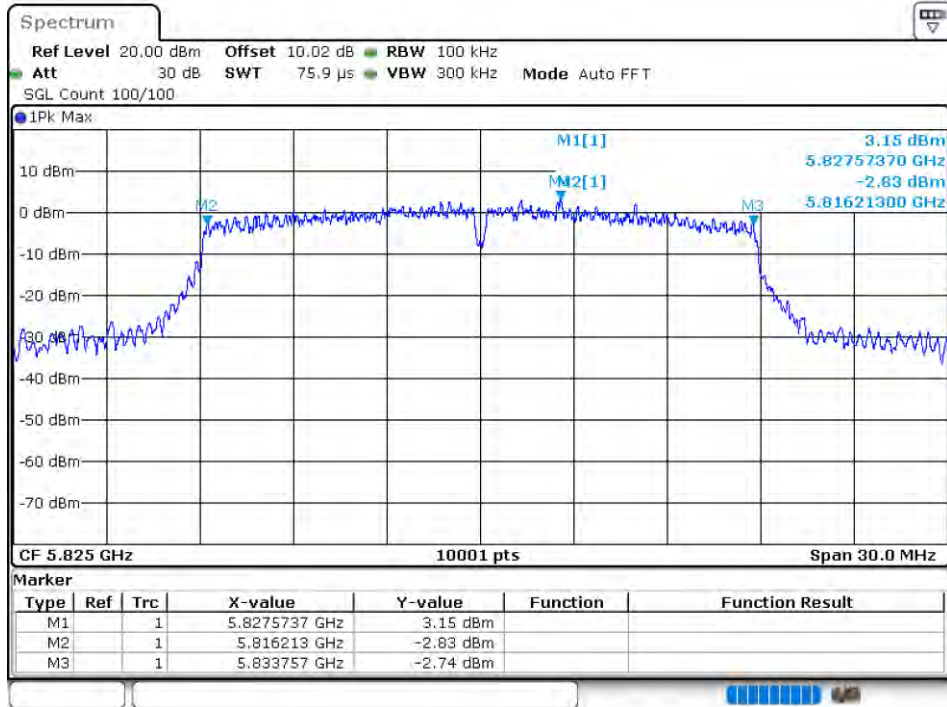


-6dB Bandwidth NVNT n40 5795MHz Ant1

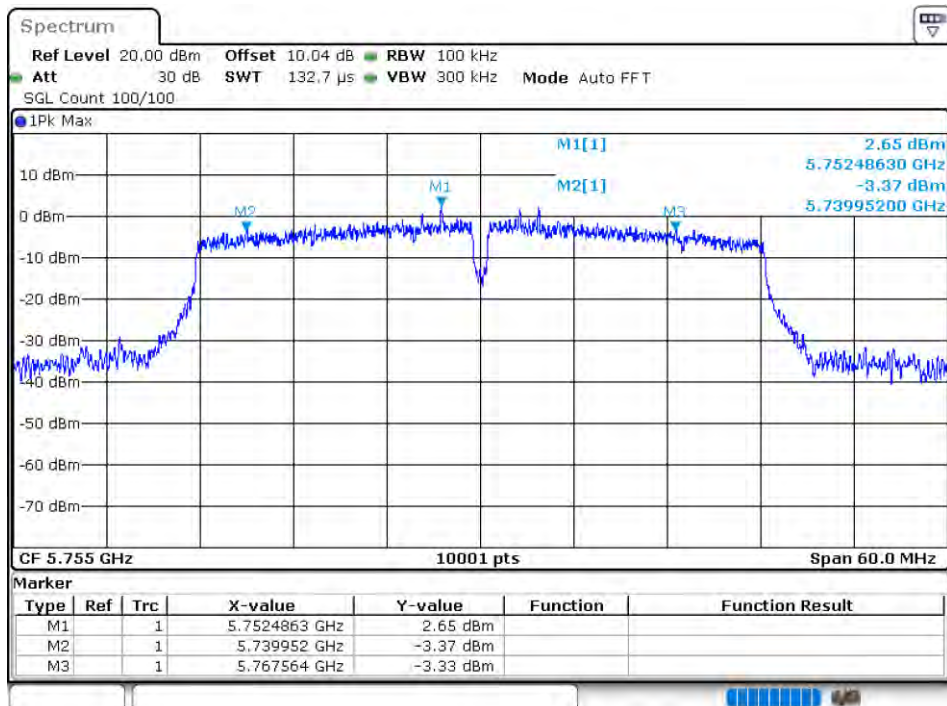




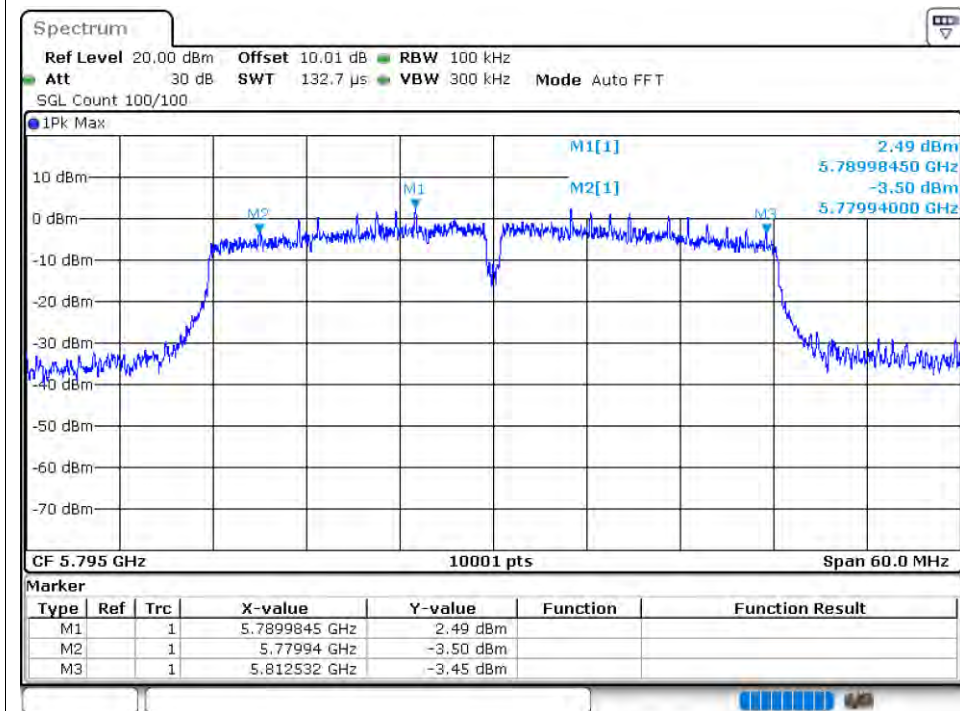
-6dB Bandwidth NVNT ac20 5825MHz Ant1



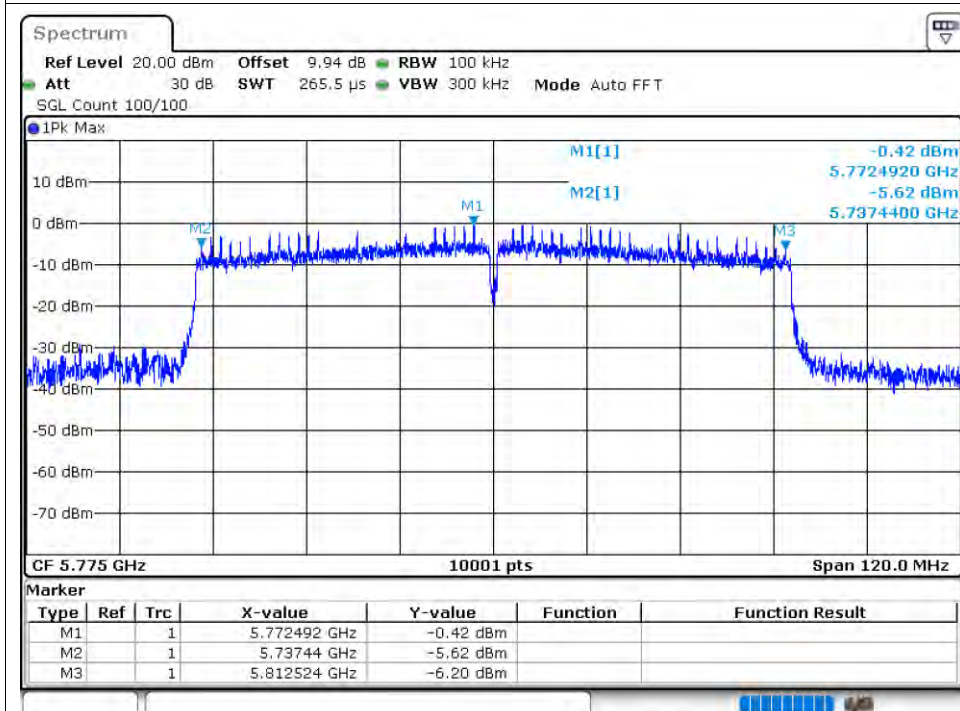
-6dB Bandwidth NVNT ac40 5755MHz Ant1



-6dB Bandwidth NVNT ac40 5795MHz Ant1



-6dB Bandwidth NVNT ac80 5775MHz Ant1

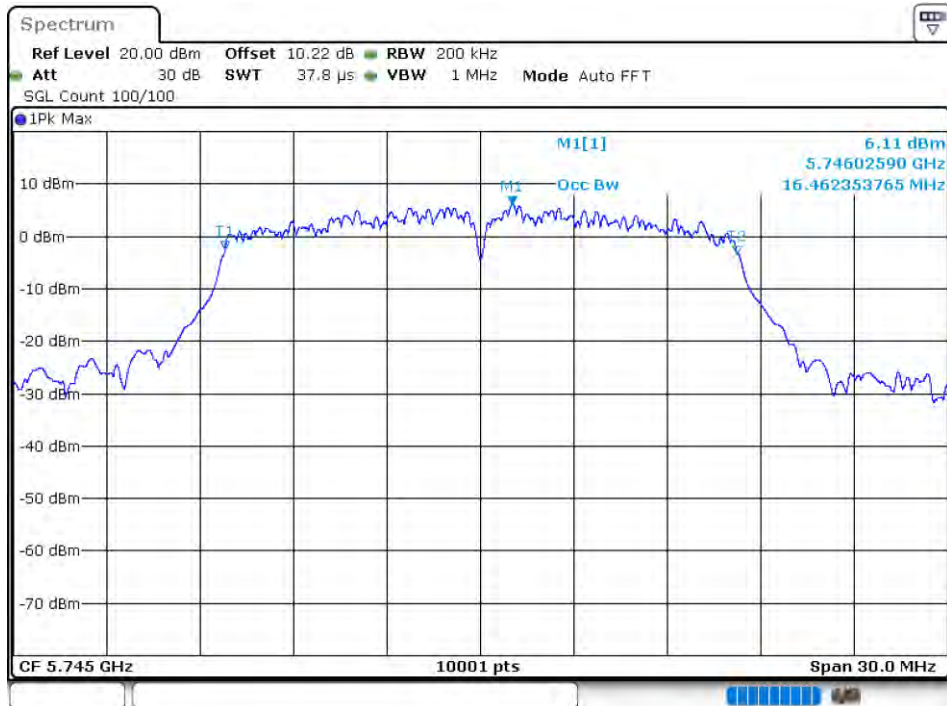


Occupied Channel Bandwidth

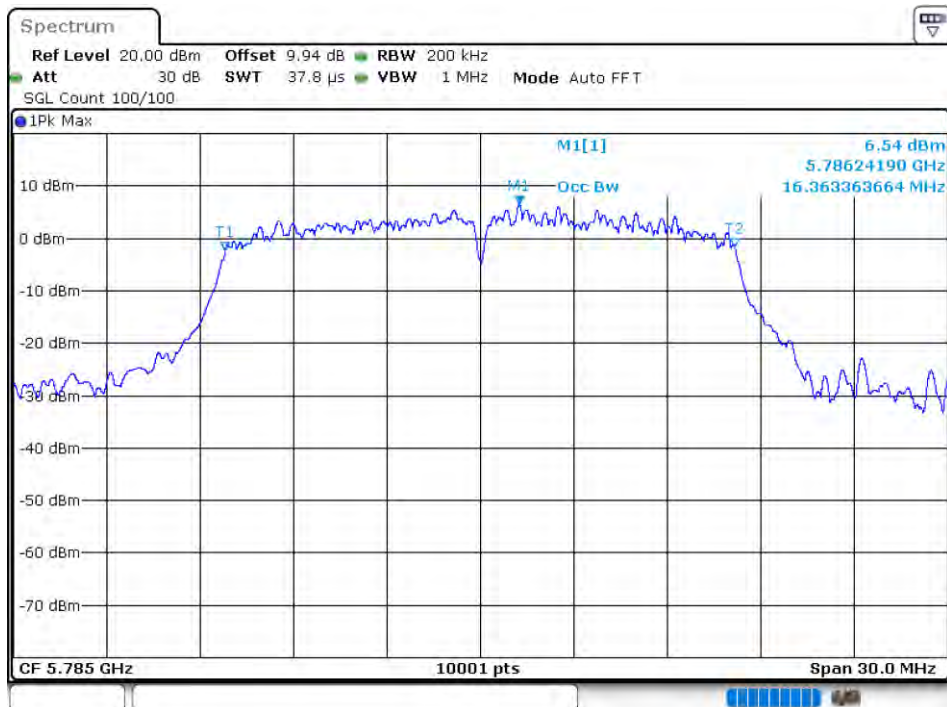
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.462
NVNT	a	5785	Ant1	16.363
NVNT	a	5825	Ant1	16.462
NVNT	n20	5745	Ant1	17.659
NVNT	n20	5785	Ant1	17.53
NVNT	n20	5825	Ant1	17.557
NVNT	n40	5755	Ant1	36.122
NVNT	n40	5795	Ant1	36.068
NVNT	ac20	5745	Ant1	17.56
NVNT	ac20	5785	Ant1	17.578
NVNT	ac20	5825	Ant1	17.596
NVNT	ac40	5755	Ant1	36.074
NVNT	ac40	5795	Ant1	36.05
NVNT	ac80	5775	Ant1	75.352

Test Graphs

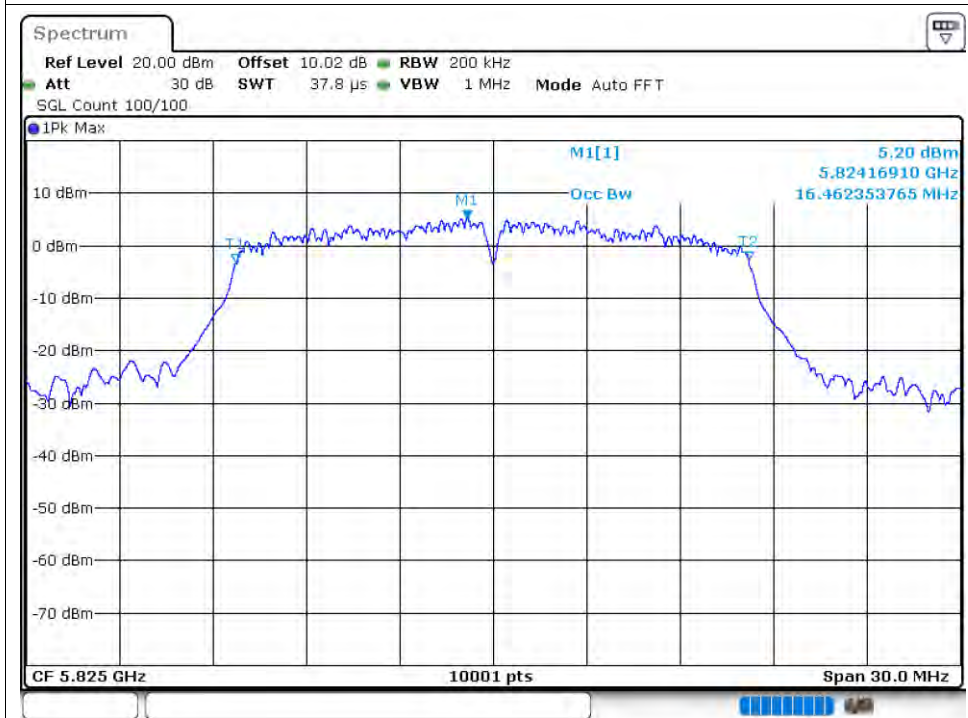
OBW NVNT a 5745MHz Ant1



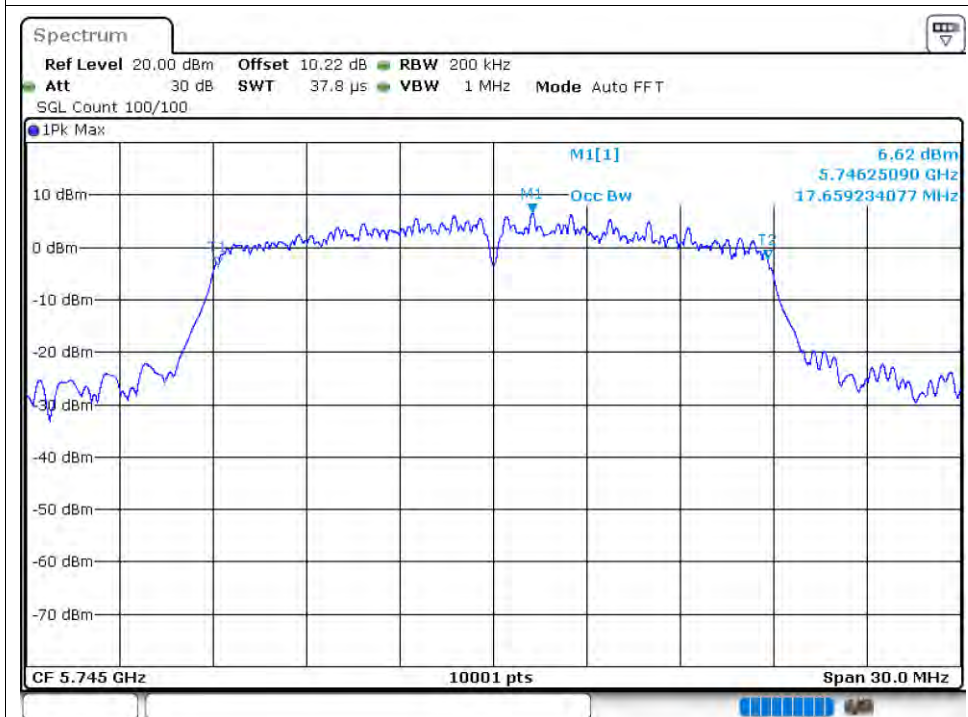
OBW NVNT a 5785MHz Ant1



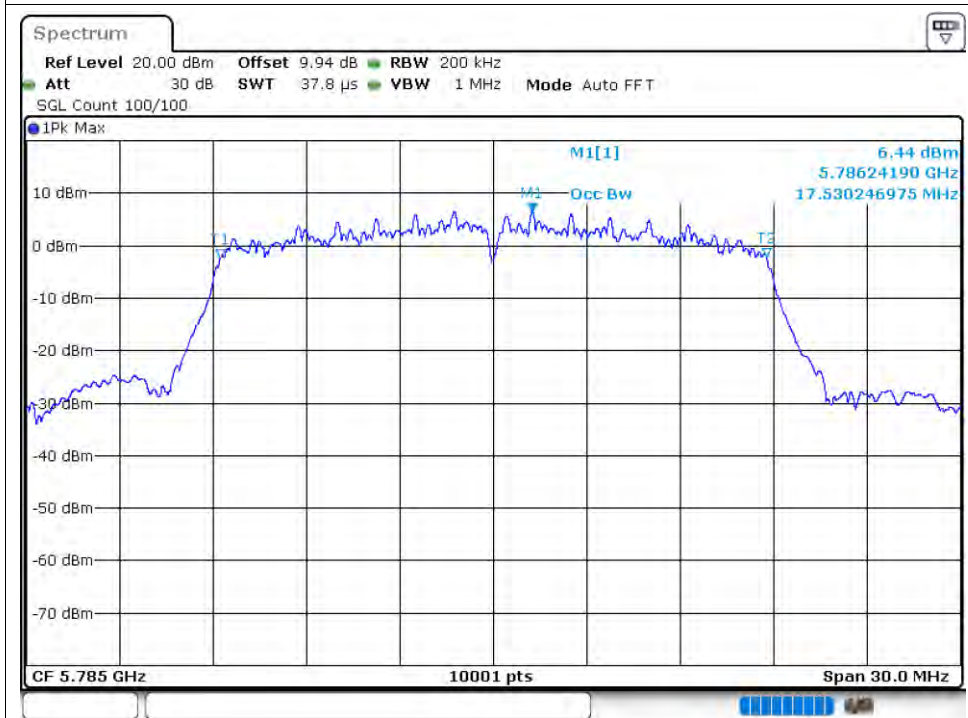
OBW NVNT a 5825MHz Ant1



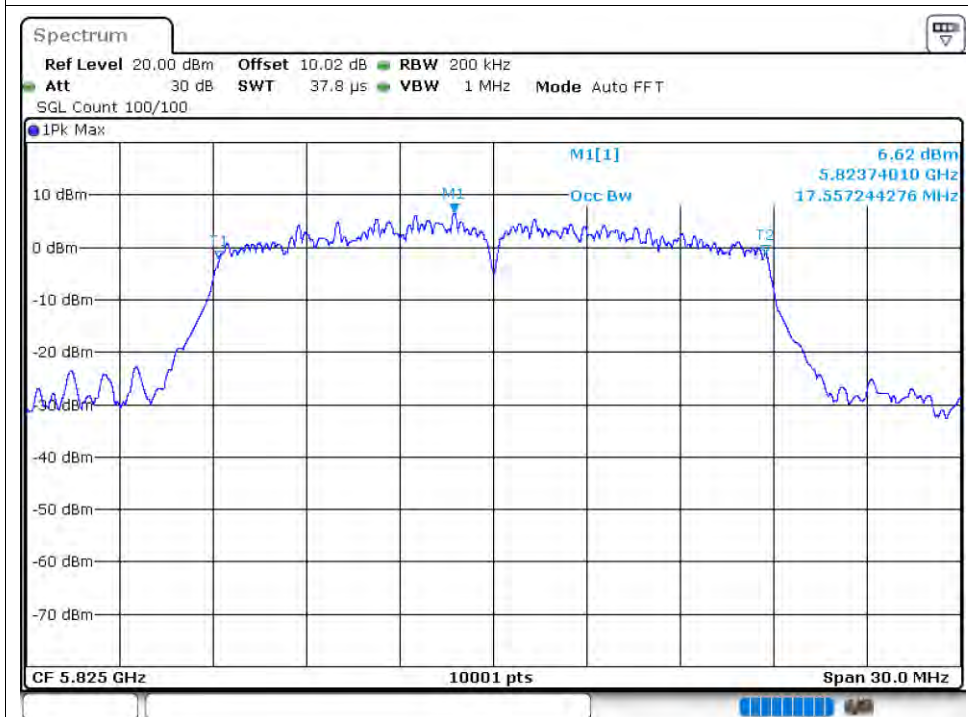
OBW NVNT n20 5745MHz Ant1



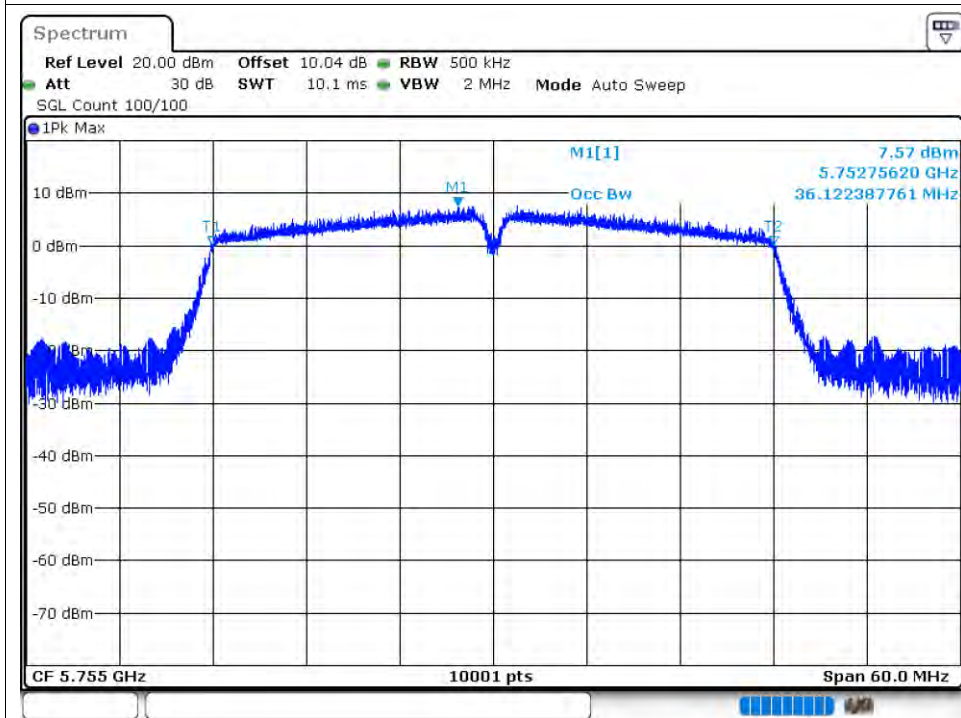
OBW NVNT n20 5785MHz Ant1



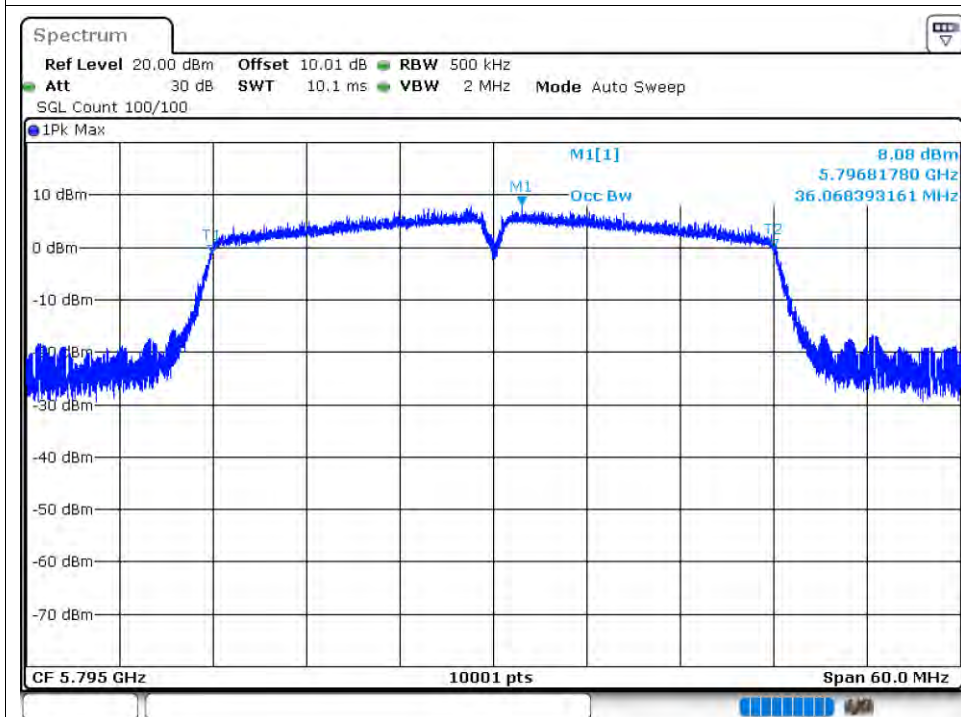
OBW NVNT n20 5825MHz Ant1



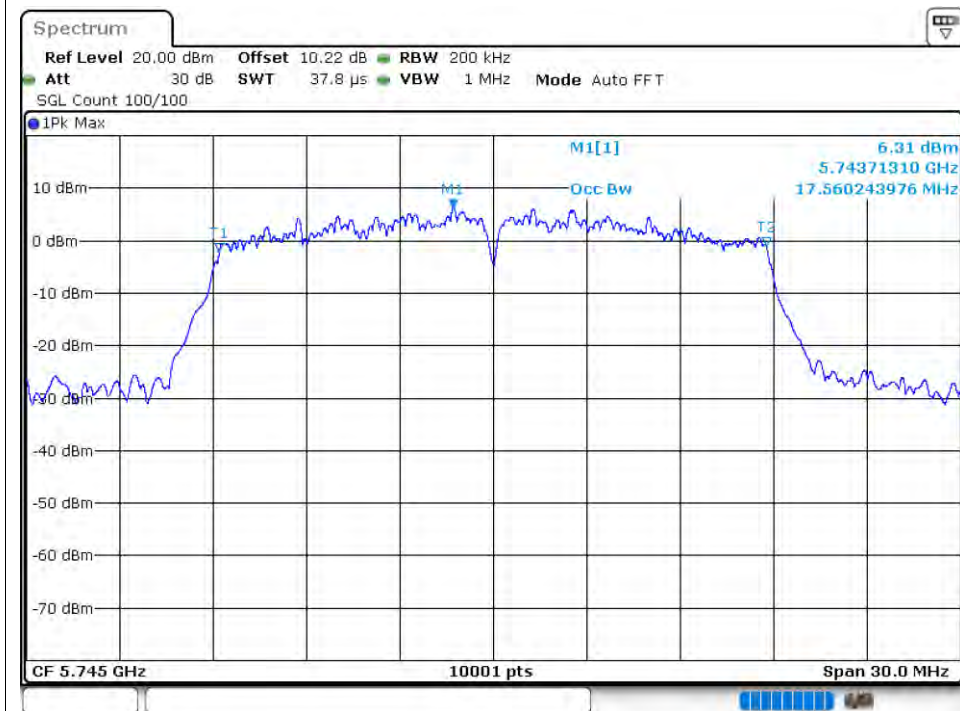
OBW NVNT n40 5755MHz Ant1



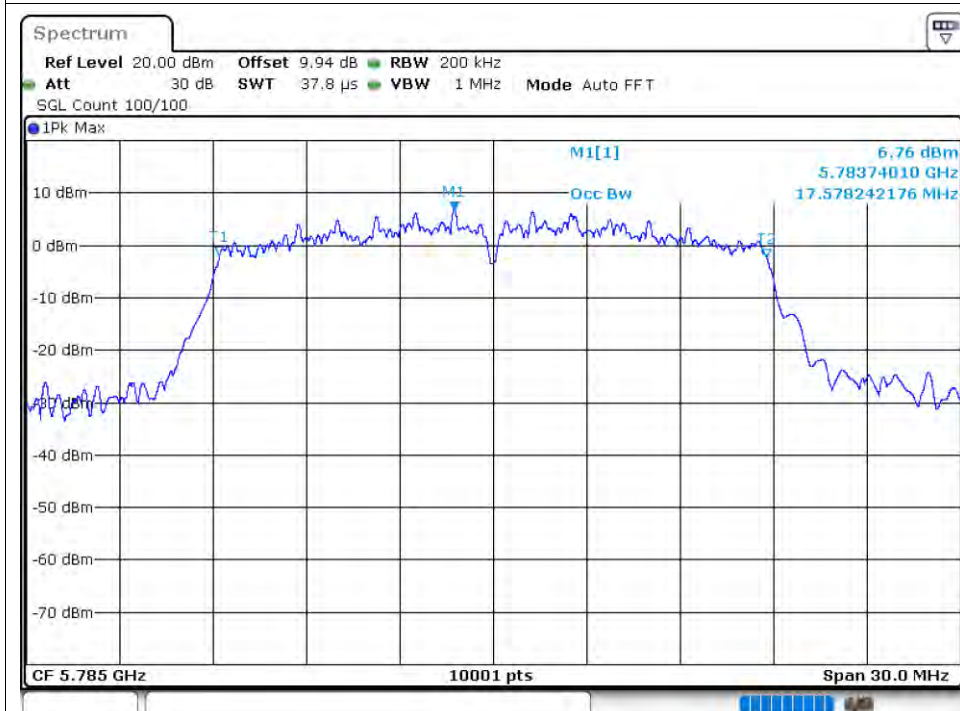
OBW NVNT n40 5795MHz Ant1

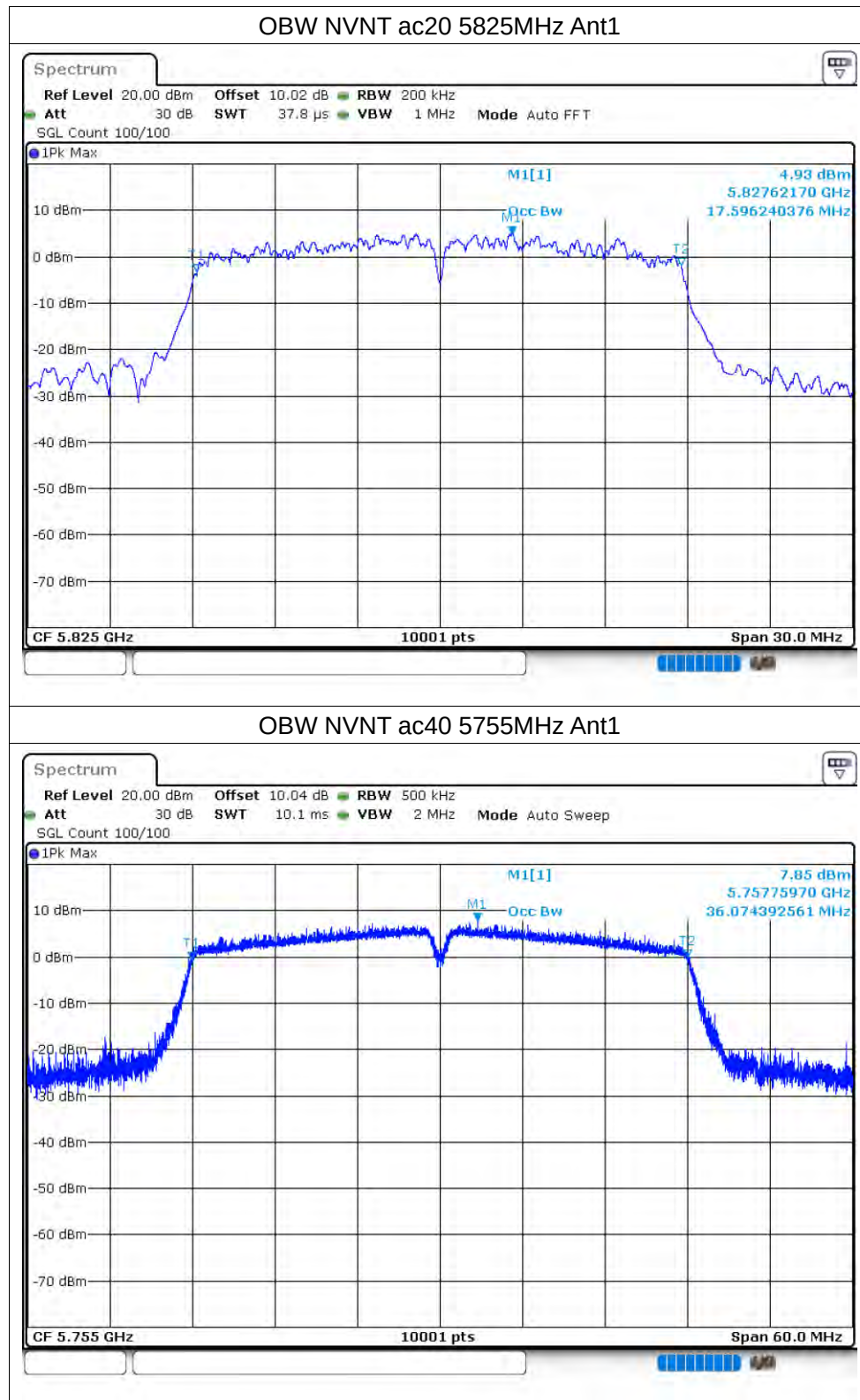


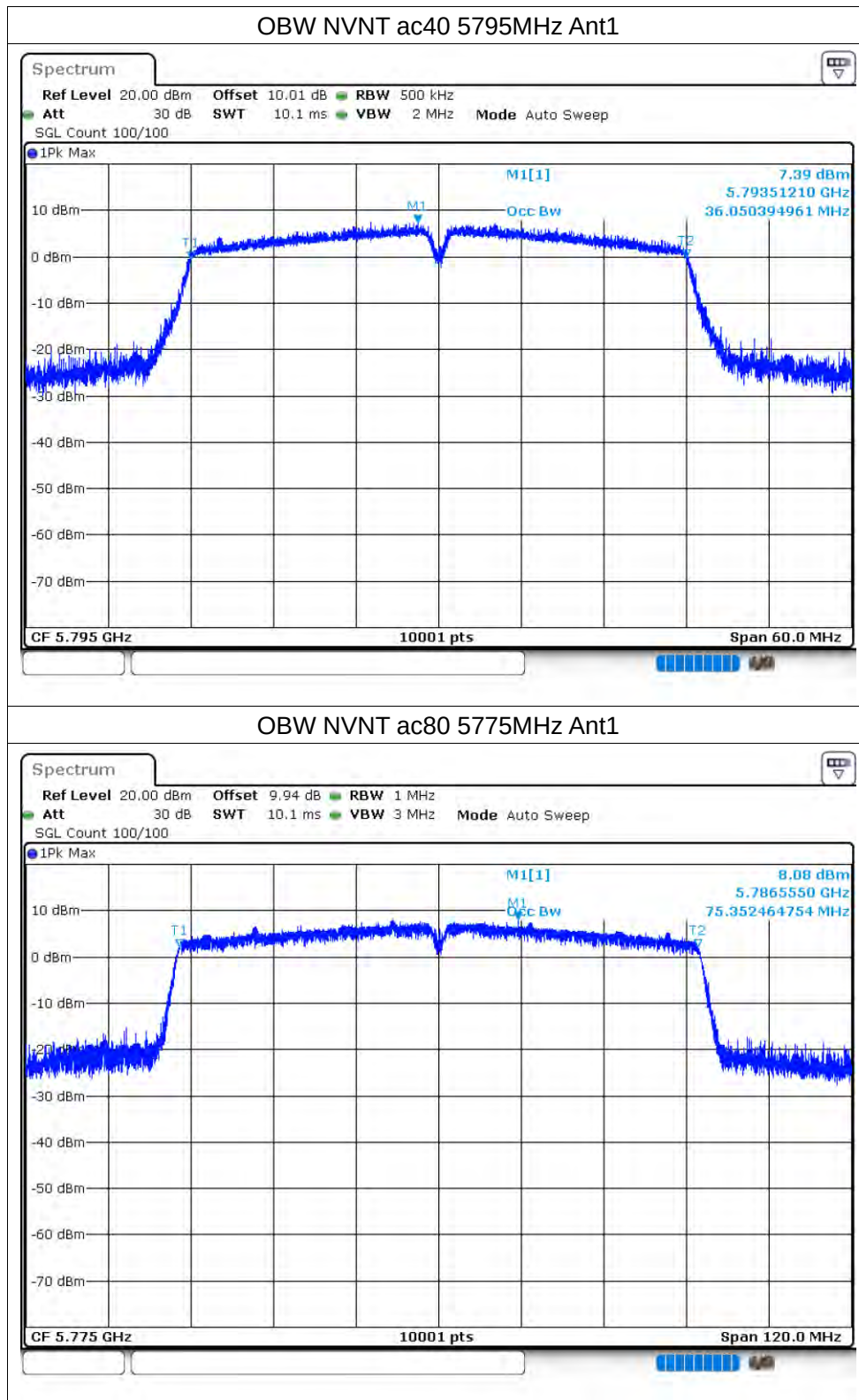
OBW NVNT ac20 5745MHz Ant1



OBW NVNT ac20 5785MHz Ant1





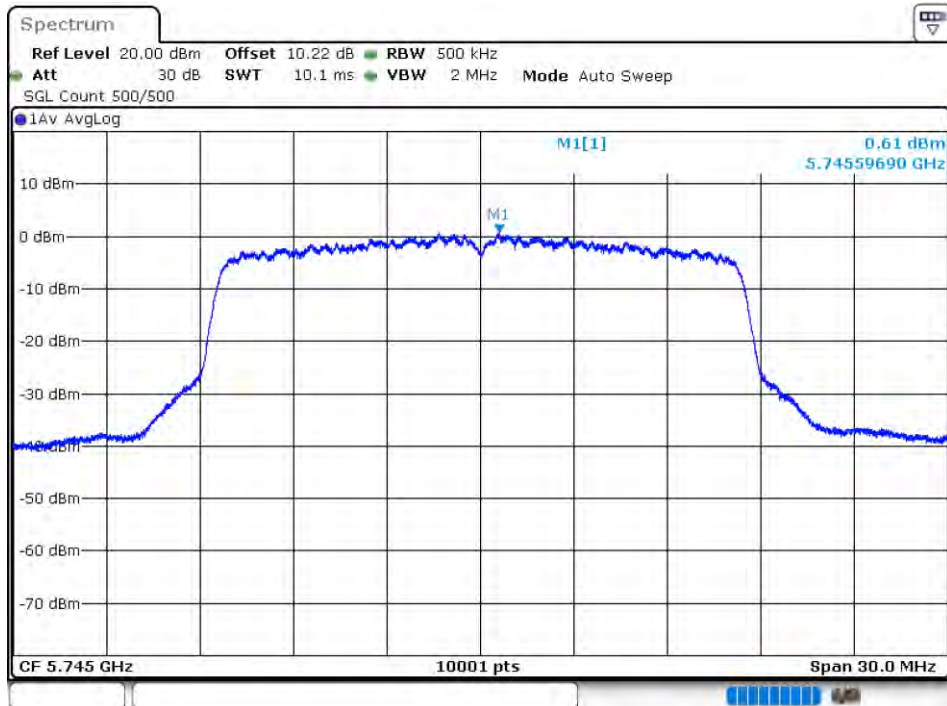


Maximum Power Spectral Density Level

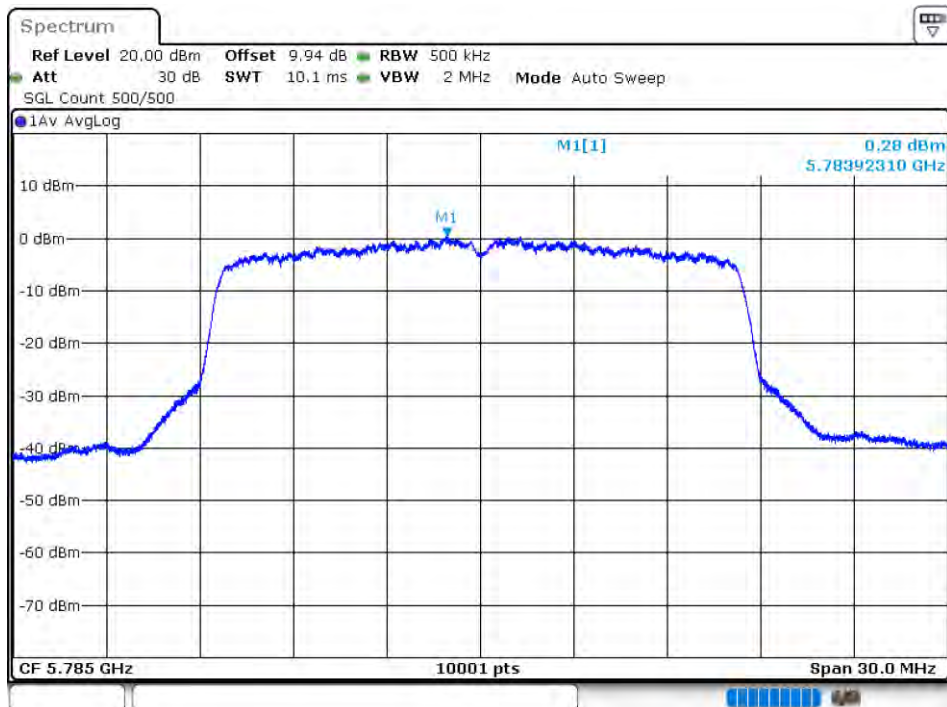
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	0.61	0.1	0.71	30	Pass
NVNT	a	5785	Ant1	0.28	0.11	0.39	30	Pass
NVNT	a	5825	Ant1	0.33	0.1	0.43	30	Pass
NVNT	n20	5745	Ant1	0.18	0.11	0.29	30	Pass
NVNT	n20	5785	Ant1	-0.21	0.11	-0.1	30	Pass
NVNT	n20	5825	Ant1	-0.24	0.11	-0.13	30	Pass
NVNT	n40	5755	Ant1	-4.47	0.21	-4.26	30	Pass
NVNT	n40	5795	Ant1	-4.26	0.21	-4.05	30	Pass
NVNT	ac20	5745	Ant1	-0.12	0.11	-0.01	30	Pass
NVNT	ac20	5785	Ant1	0.13	0.11	0.24	30	Pass
NVNT	ac20	5825	Ant1	-0.06	0.11	0.05	30	Pass
NVNT	ac40	5755	Ant1	-3.67	0.21	-3.46	30	Pass
NVNT	ac40	5795	Ant1	-3.77	0.21	-3.56	30	Pass
NVNT	ac80	5775	Ant1	-8.85	0.42	-8.43	30	Pass

Test Graphs

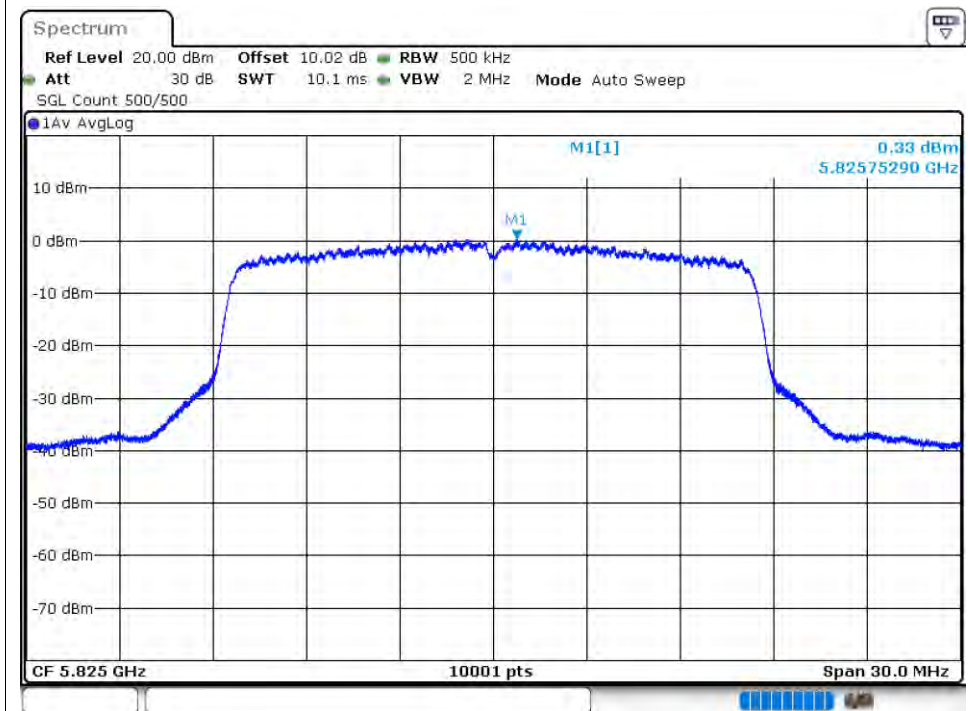
PSD NVNT a 5745MHz Ant1



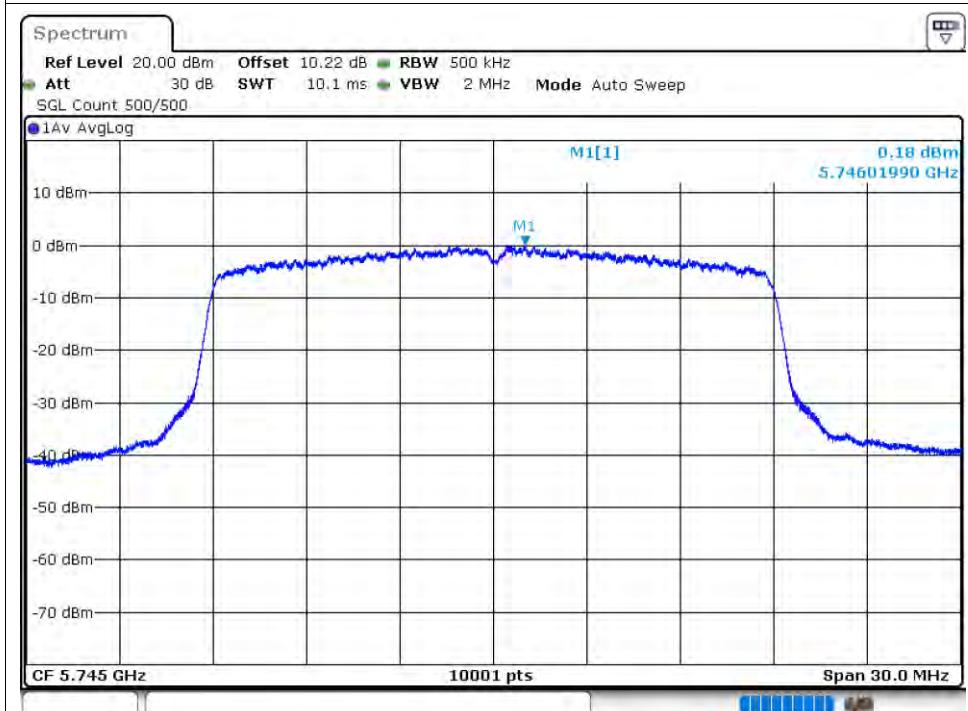
PSD NVNT a 5785MHz Ant1



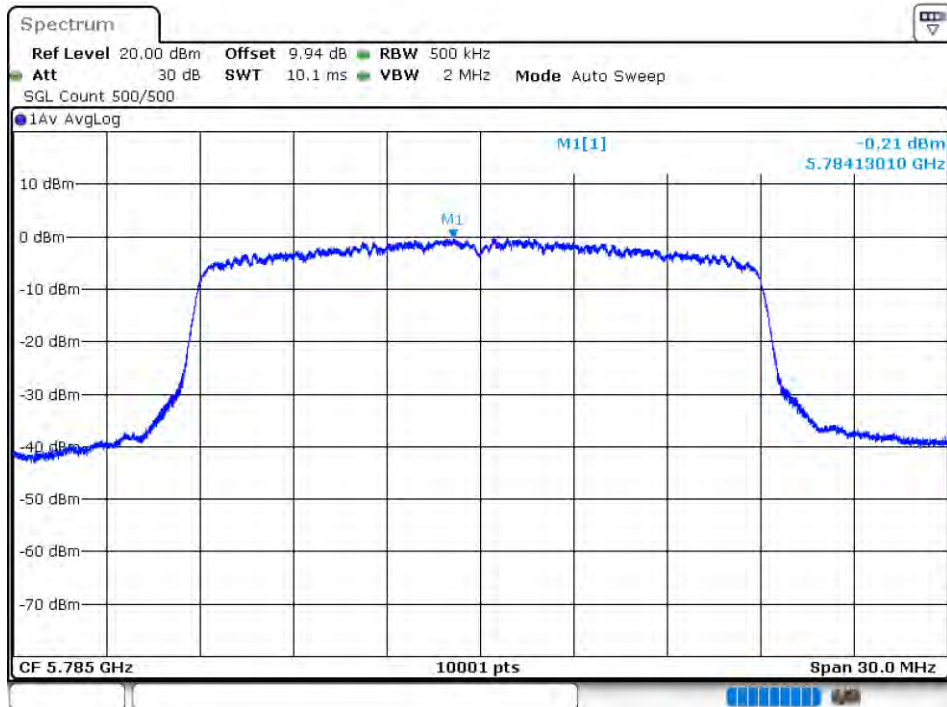
PSD NVNT a 5825MHz Ant1



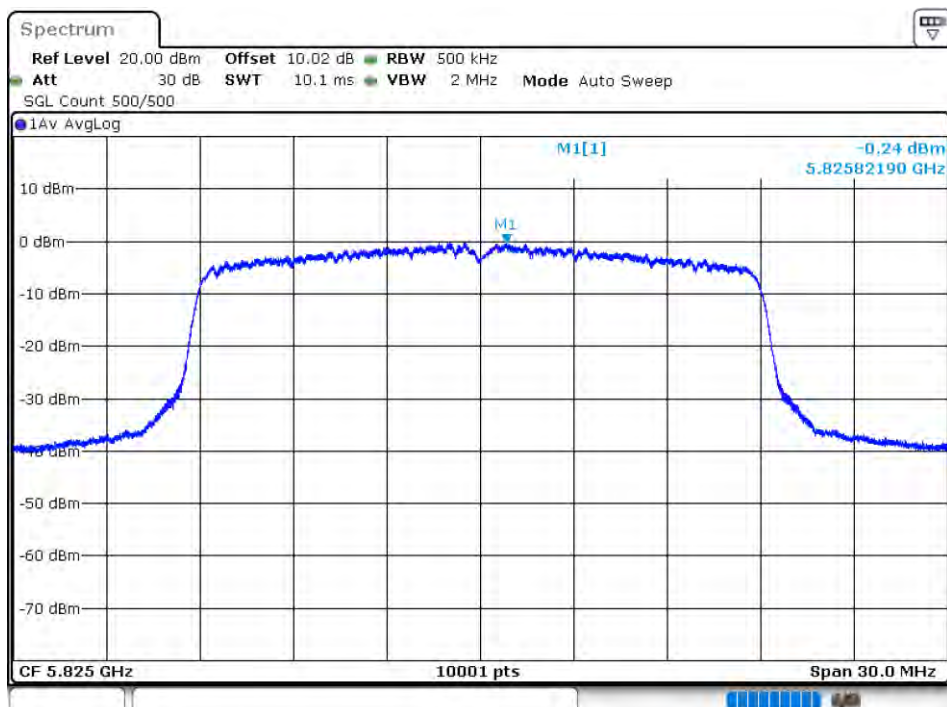
PSD NVNT n20 5745MHz Ant1



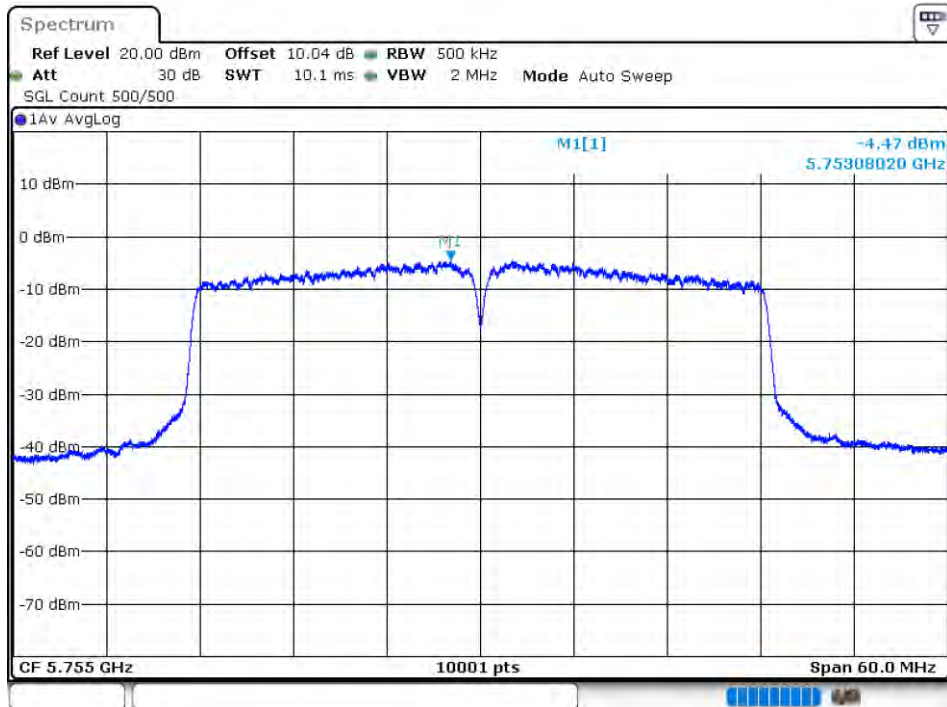
PSD NVNT n20 5785MHz Ant1



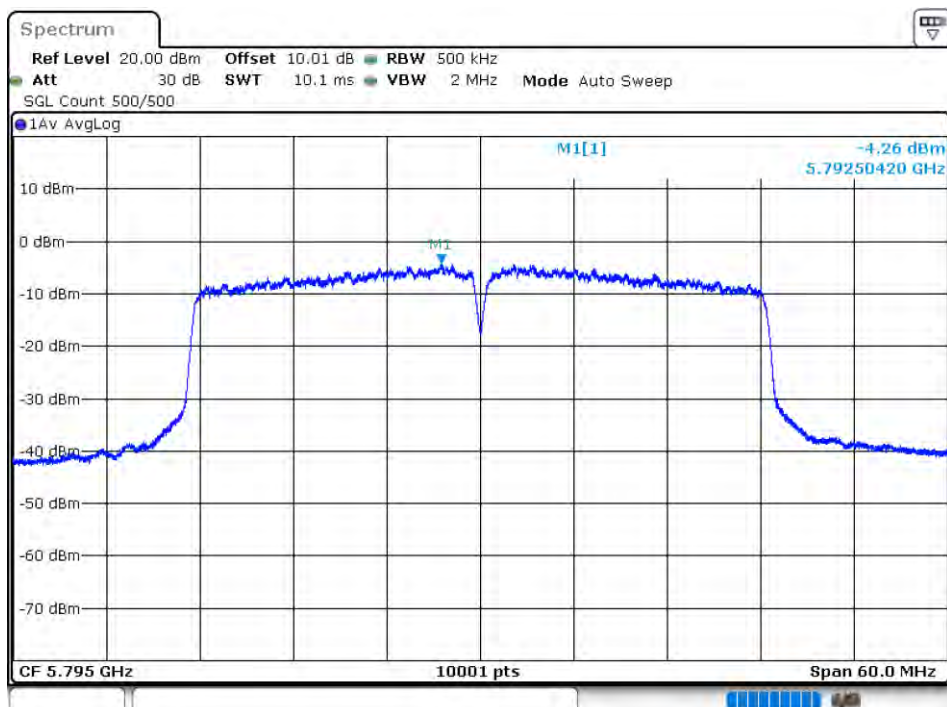
PSD NVNT n20 5825MHz Ant1



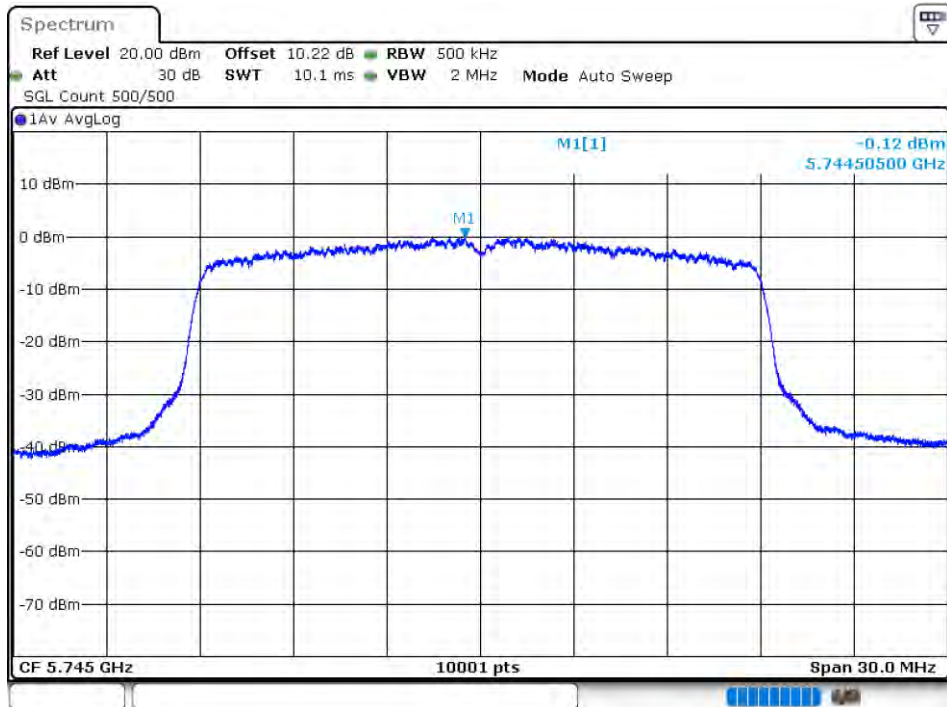
PSD NVNT n40 5755MHz Ant1



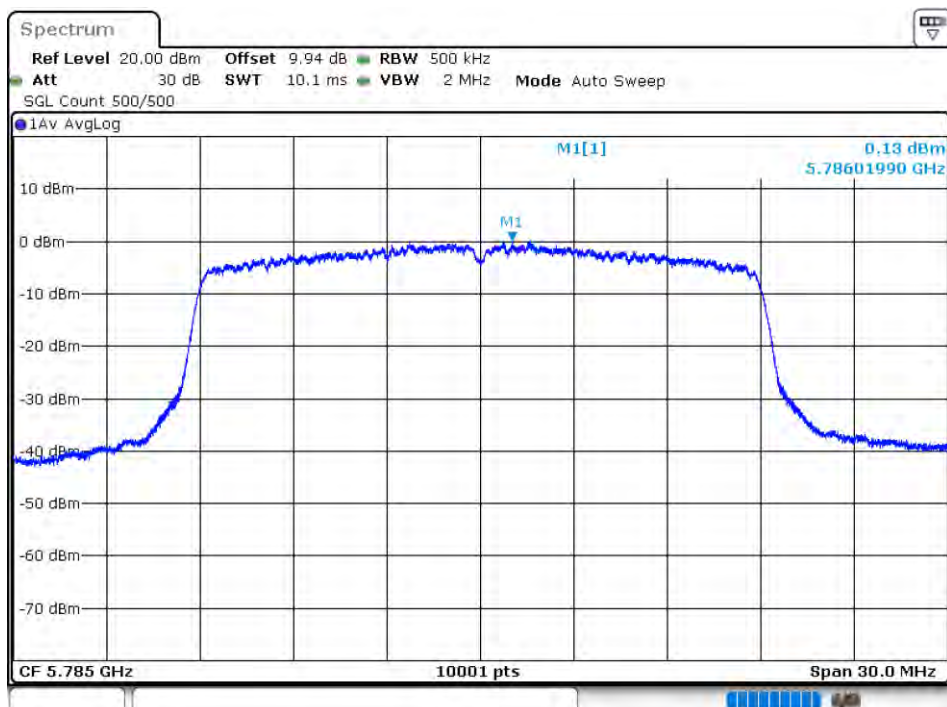
PSD NVNT n40 5795MHz Ant1



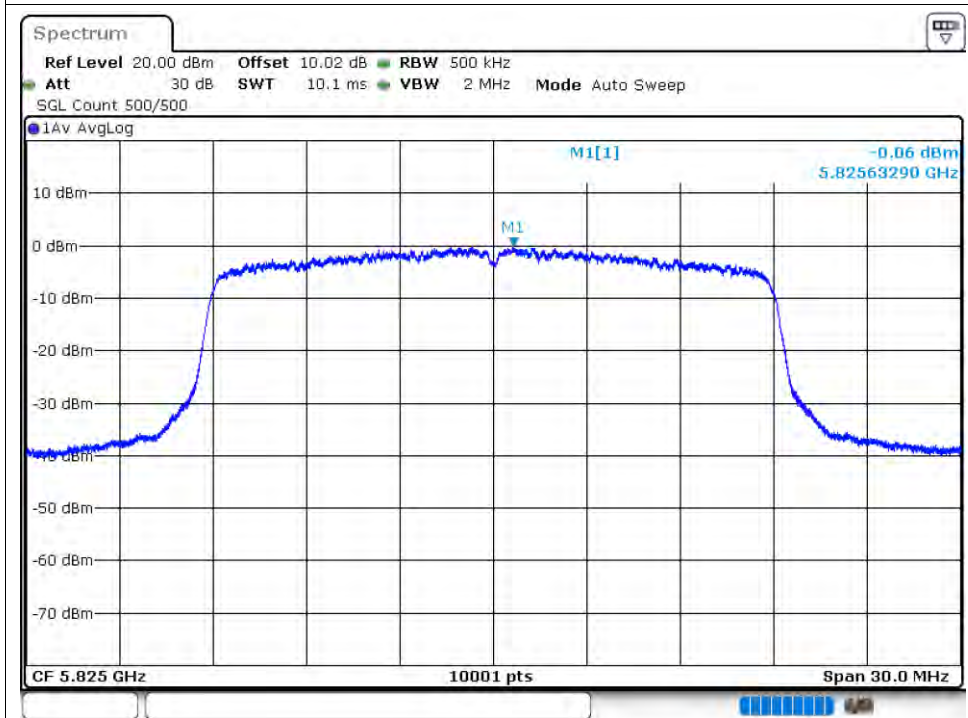
PSD NVNT ac20 5745MHz Ant1



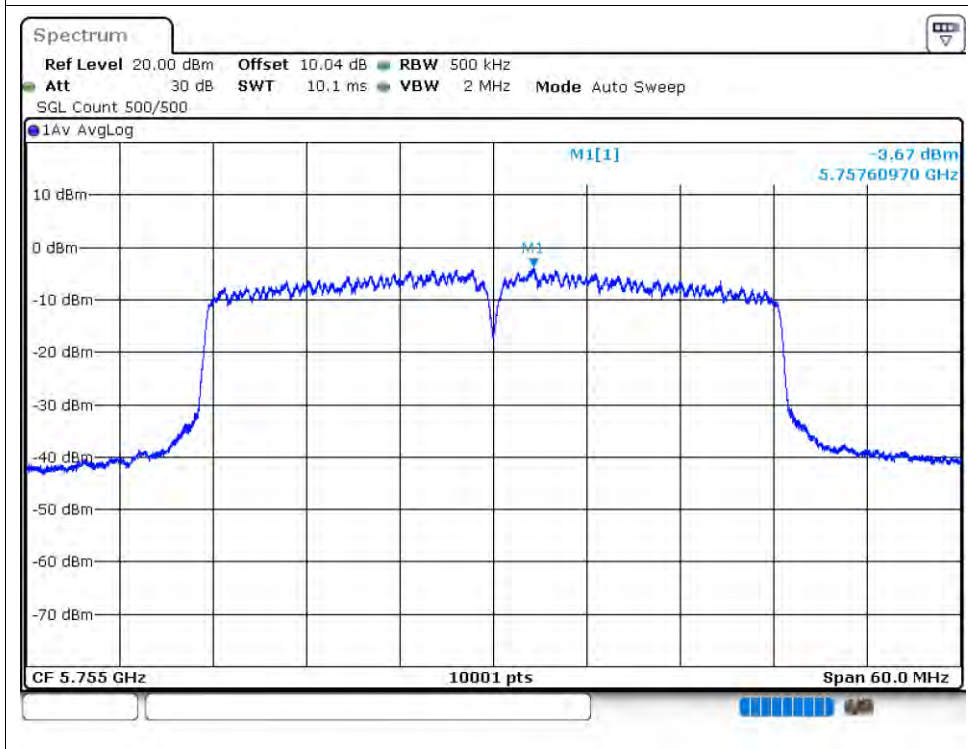
PSD NVNT ac20 5785MHz Ant1



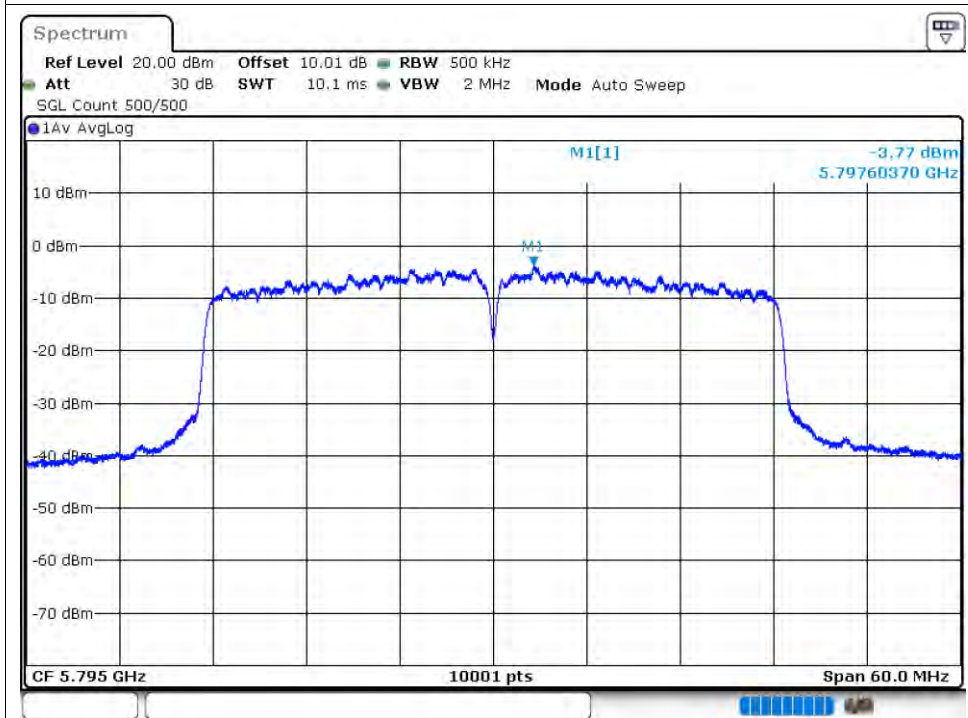
PSD NVNT ac20 5825MHz Ant1



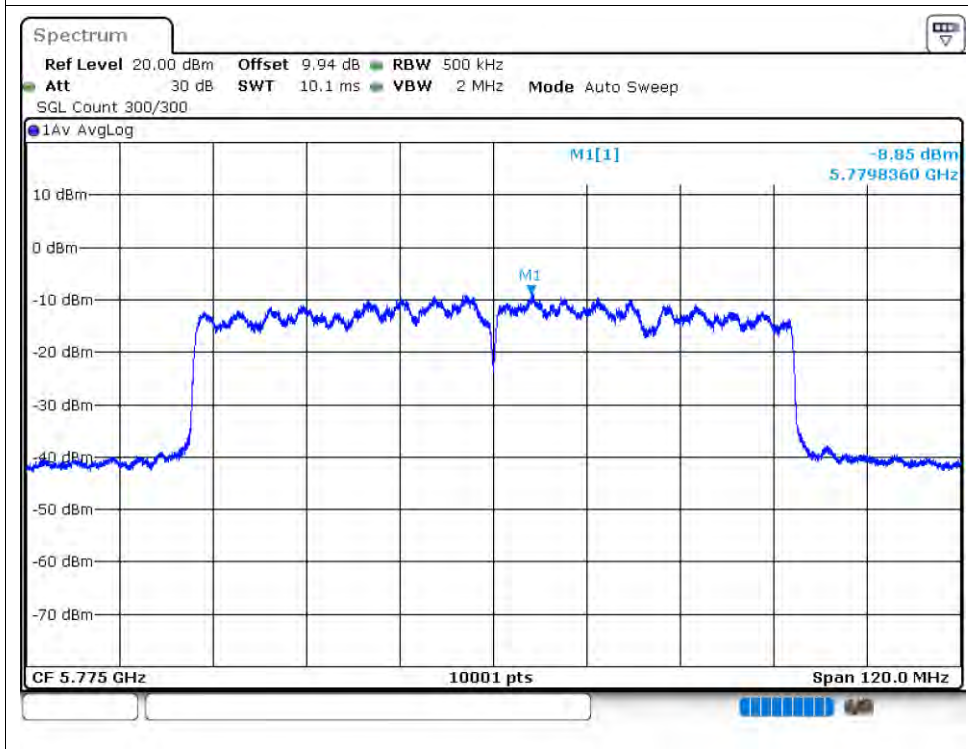
PSD NVNT ac40 5755MHz Ant1



PSD NVNT ac40 5795MHz Ant1



PSD NVNT ac80 5775MHz Ant1

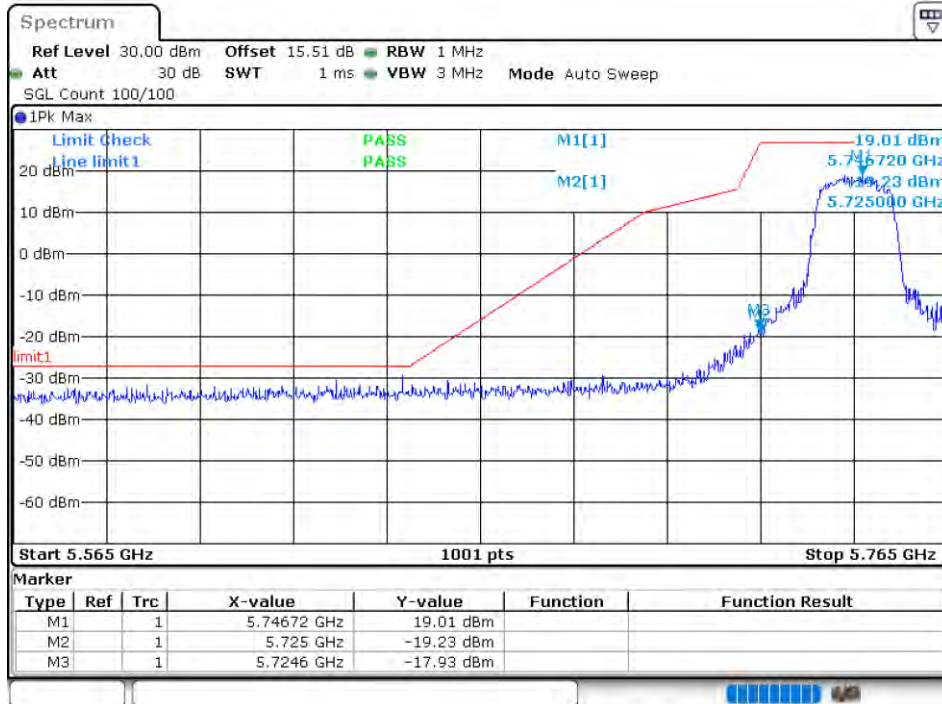


Band Edge

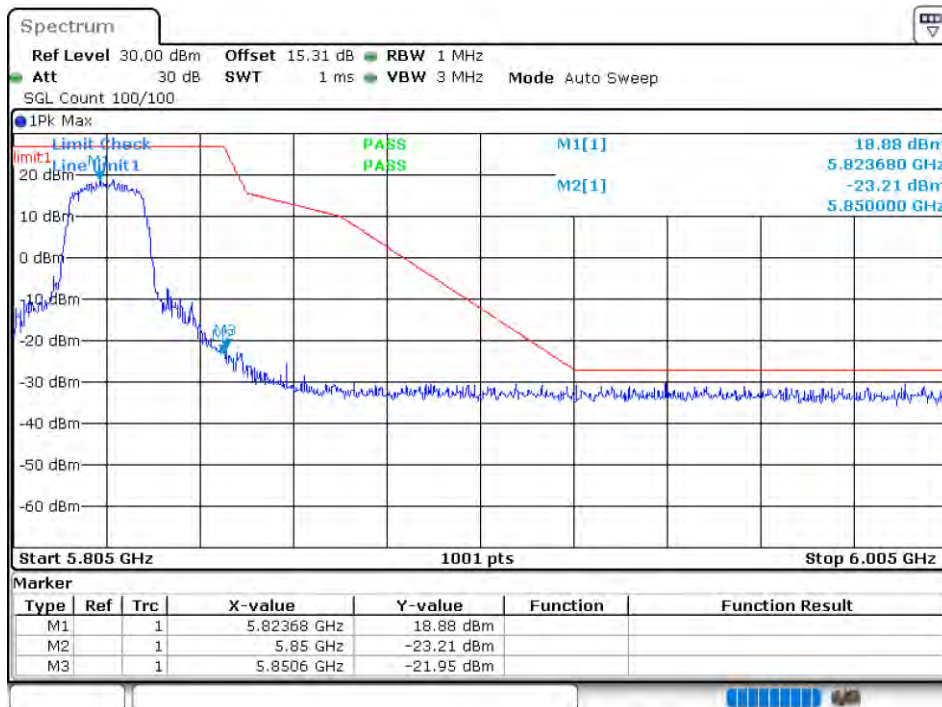
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5745	Ant1	-17.92	Pass
NVNT	a	5825	Ant1	-21.94	Pass
NVNT	n20	5745	Ant1	-16.09	Pass
NVNT	n20	5825	Ant1	-19.21	Pass
NVNT	n40	5755	Ant1	-10.58	Pass
NVNT	n40	5795	Ant1	-23.69	Pass
NVNT	ac20	5745	Ant1	-16.21	Pass
NVNT	ac20	5825	Ant1	-18.5	Pass
NVNT	ac40	5755	Ant1	-14.06	Pass
NVNT	ac40	5795	Ant1	-27.72	Pass
NVNT	ac80	5775	Ant1	-19.67	Pass

Test Graphs

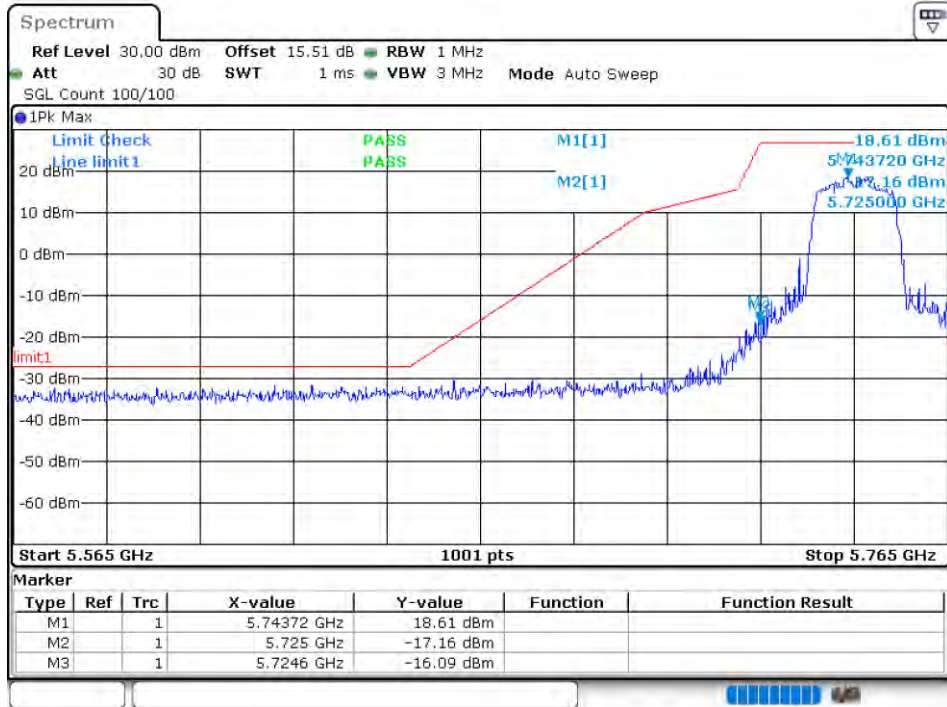
Band Edge NVNT a 5745MHz Low Ant1



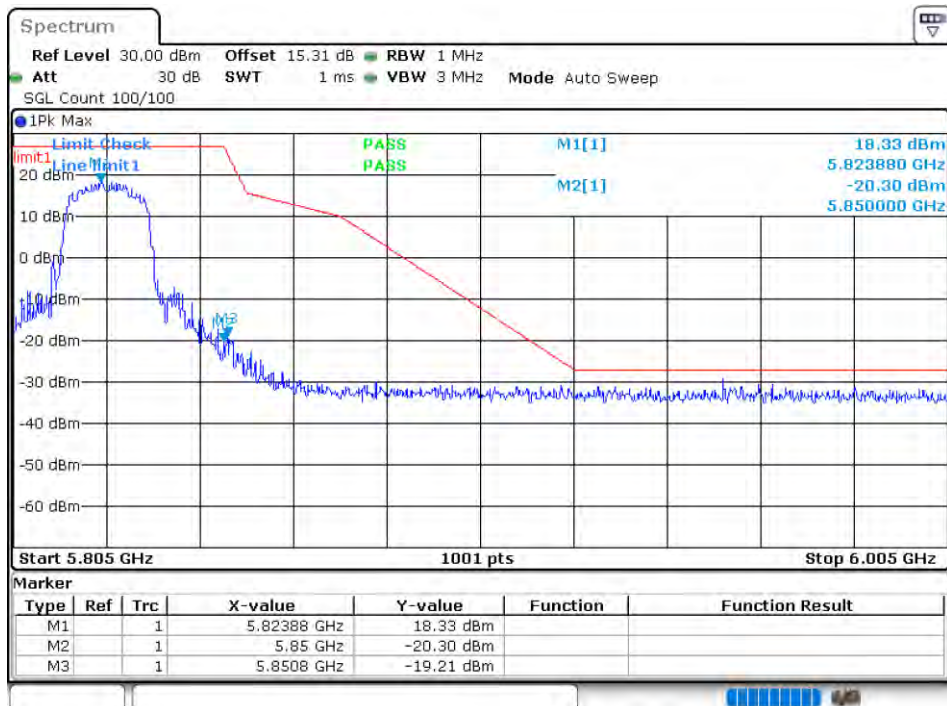
Band Edge NVNT a 5825MHz High Ant1



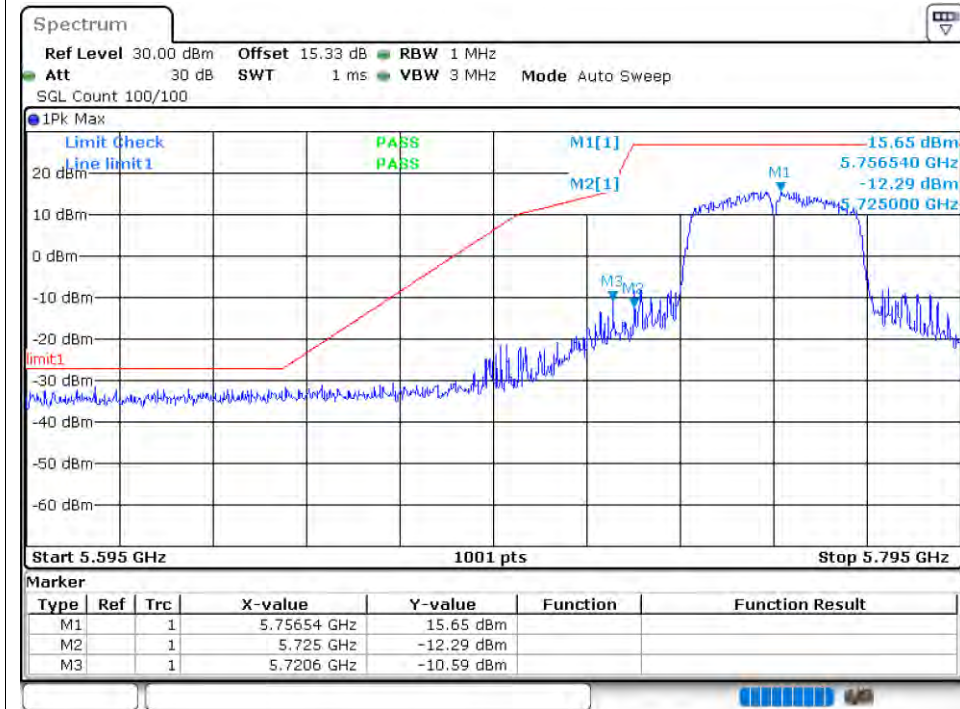
Band Edge NVNT n20 5745MHz Low Ant1



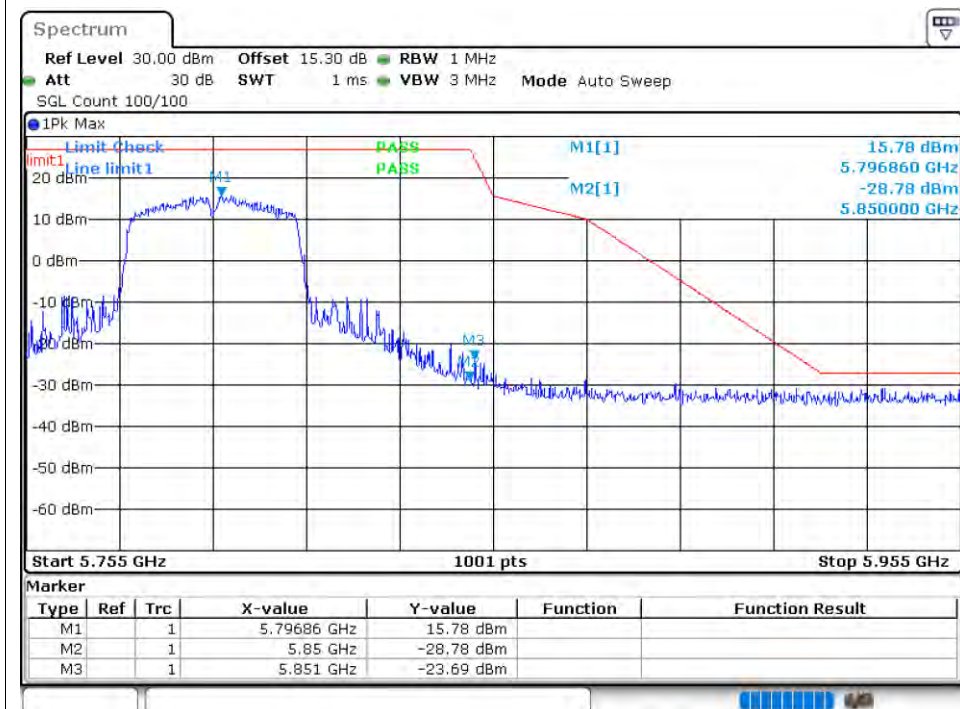
Band Edge NVNT n20 5825MHz High Ant1



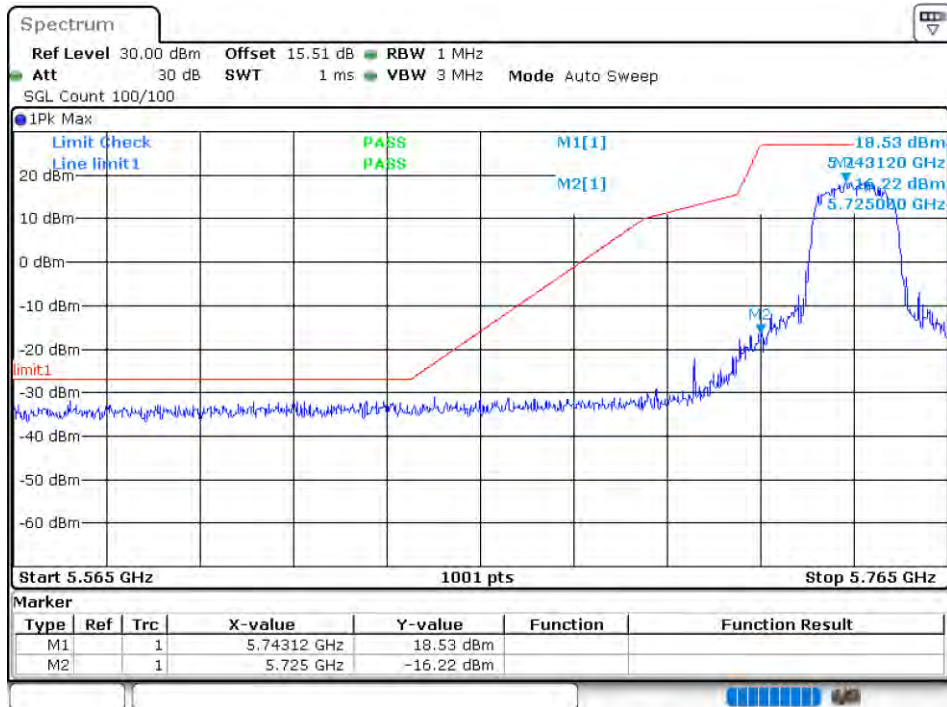
Band Edge NVNT n40 5755MHz Low Ant1



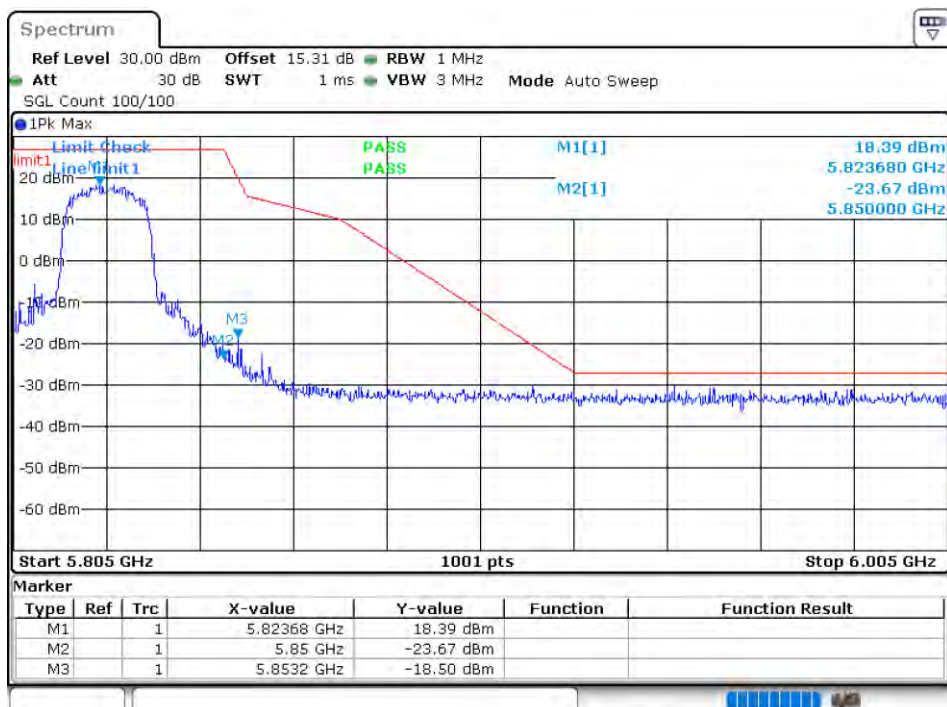
Band Edge NVNT n40 5795MHz High Ant1



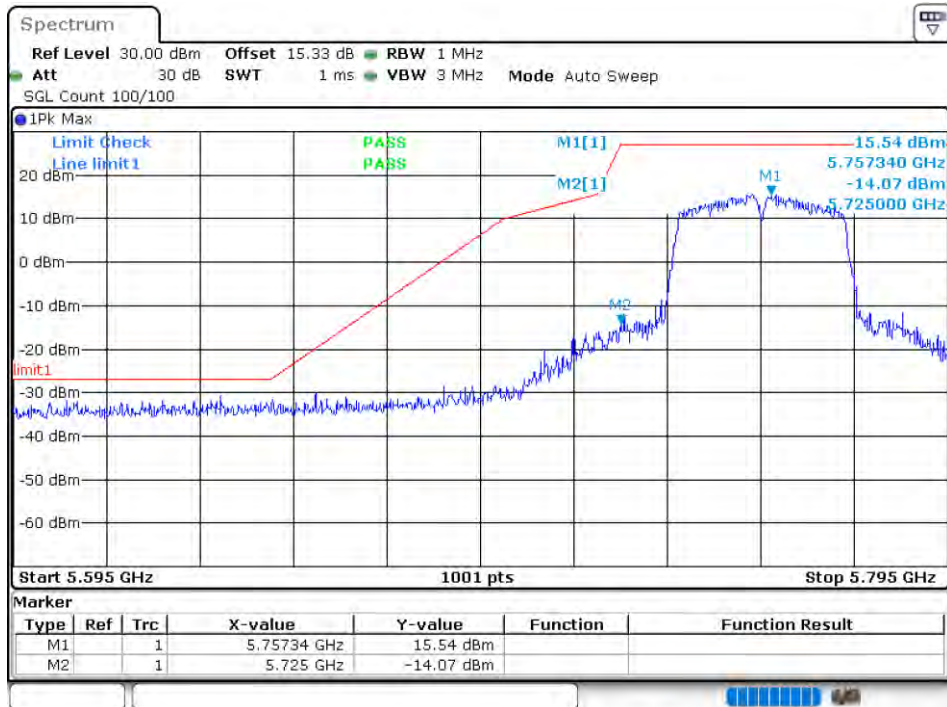
Band Edge NVNT ac20 5745MHz Low Ant1



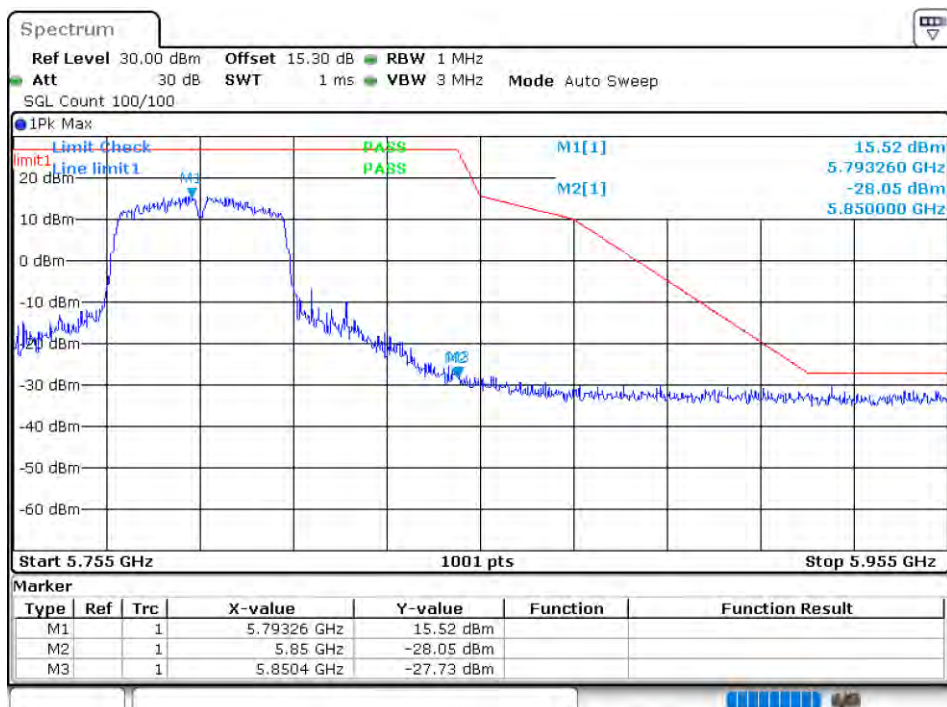
Band Edge NVNT ac20 5825MHz High Ant1

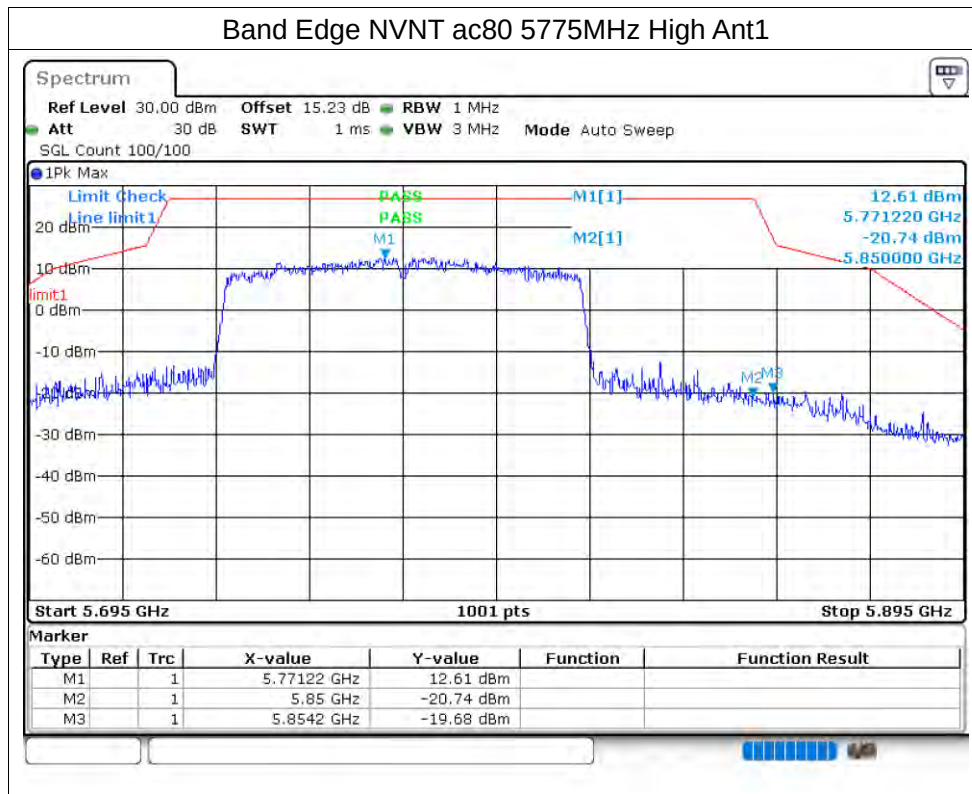


Band Edge NVNT ac40 5755MHz Low Ant1



Band Edge NVNT ac40 5795MHz High Ant1



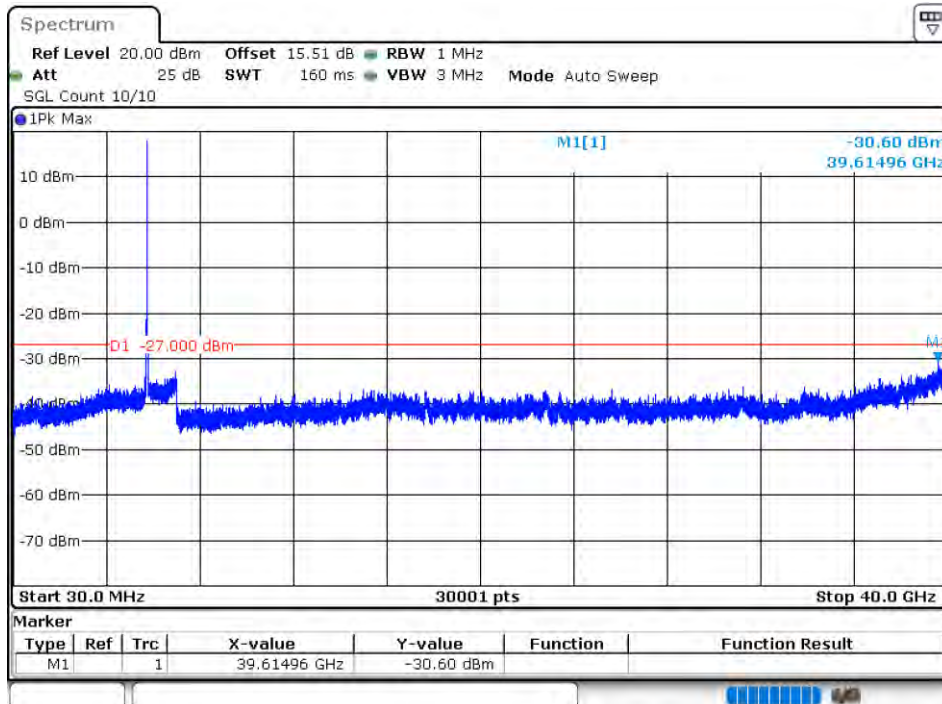


Conducted RF Spurious Emission

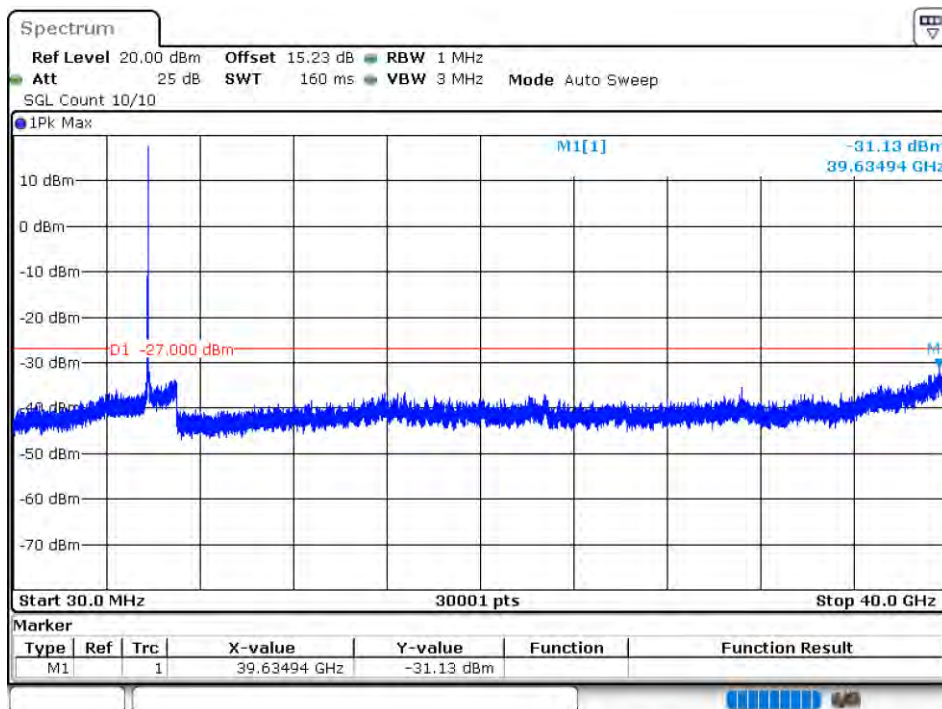
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-30.6	-27	Pass
NVNT	a	5785	Ant1	-31.13	-27	Pass
NVNT	a	5825	Ant1	-31.96	-27	Pass
NVNT	n20	5745	Ant1	-30.97	-27	Pass
NVNT	n20	5785	Ant1	-31.44	-27	Pass
NVNT	n20	5825	Ant1	-31.84	-27	Pass
NVNT	n40	5755	Ant1	-31.63	-27	Pass
NVNT	n40	5795	Ant1	-31.79	-27	Pass
NVNT	ac20	5745	Ant1	-31.43	-27	Pass
NVNT	ac20	5785	Ant1	-31.29	-27	Pass
NVNT	ac20	5825	Ant1	-31.1	-27	Pass
NVNT	ac40	5755	Ant1	-31.46	-27	Pass
NVNT	ac40	5795	Ant1	-31.84	-27	Pass
NVNT	ac80	5775	Ant1	-31.86	-27	Pass

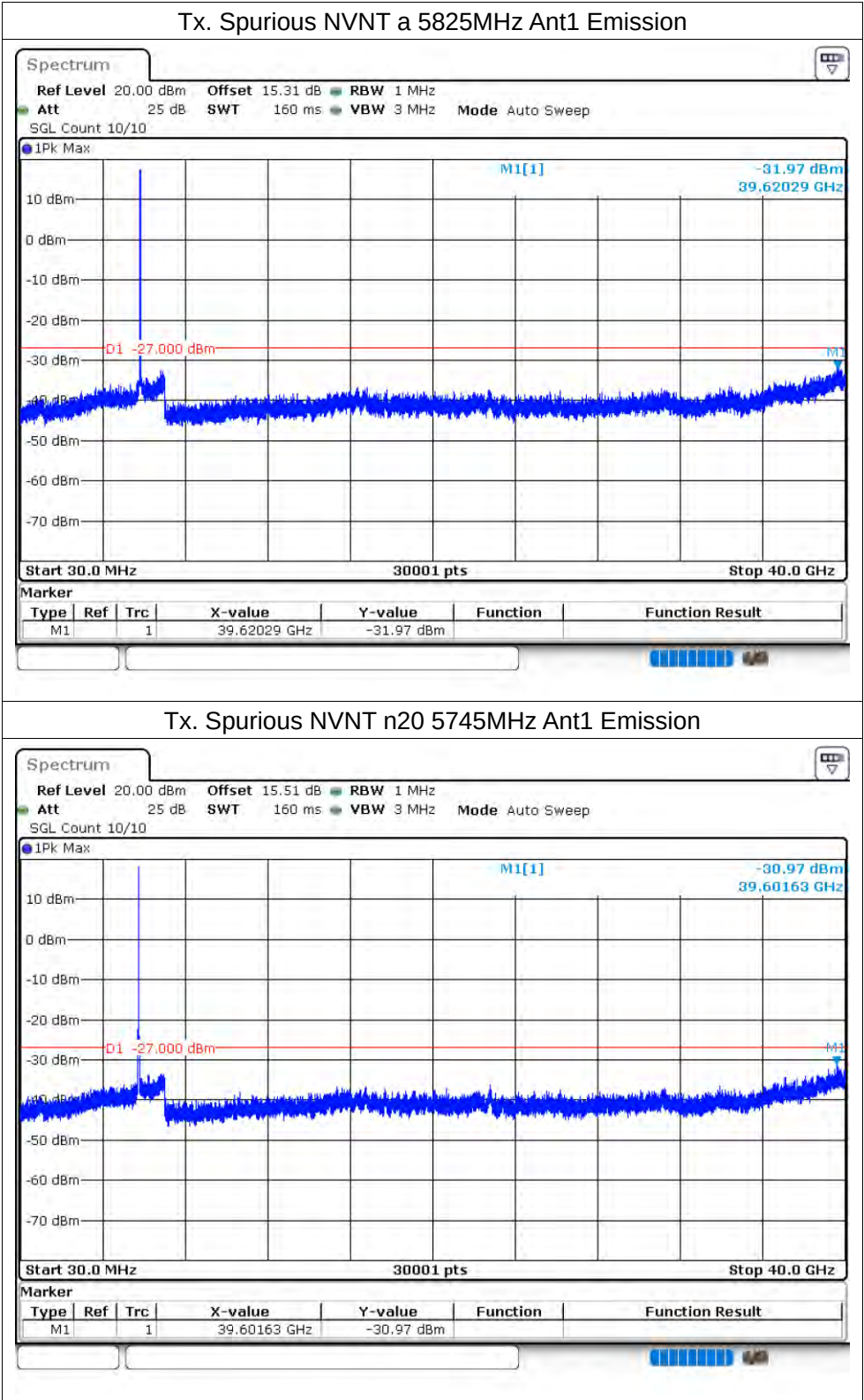
Test Graphs

Tx. Spurious NVNT a 5745MHz Ant1 Emission



Tx. Spurious NVNT a 5785MHz Ant1 Emission





Tx. Spurious NVNT n20 5745MHz Ant1 Emission

Spectrum

Ref Level 20.00 dBm

Att 25 dB

Offset 15.51 dB

RBW 1 MHz

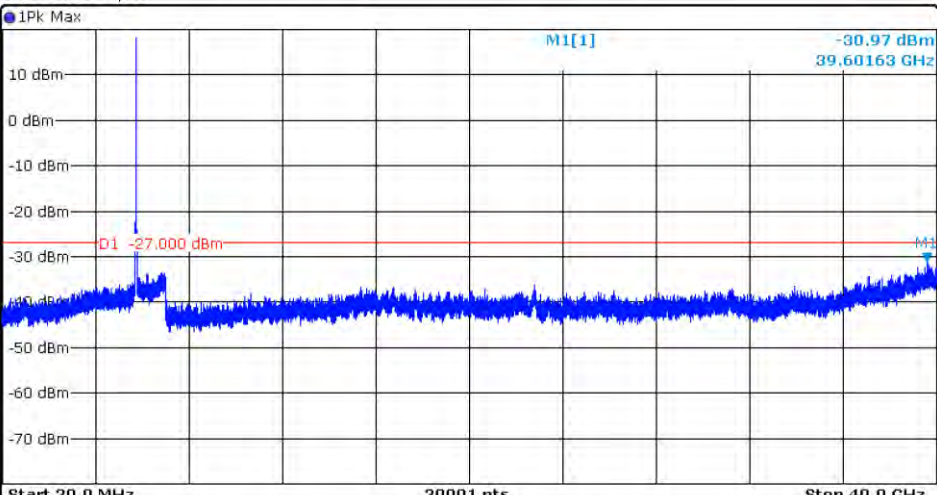
SWT 160 ms

VBW 3 MHz

Mode Auto Sweep

SGL Count 10/10

1Pk Max



M1[1] -30.97 dBm
39.60163 GHz

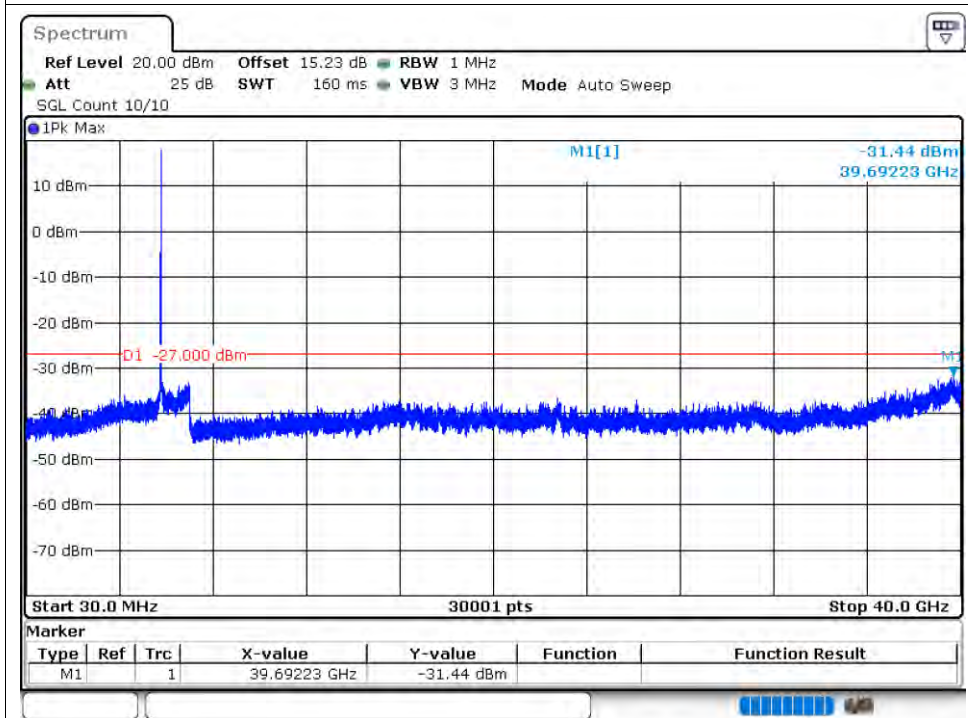
D1 -27.000 dBm

Start 30.0 MHz 30001 pts Stop 40.0 GHz

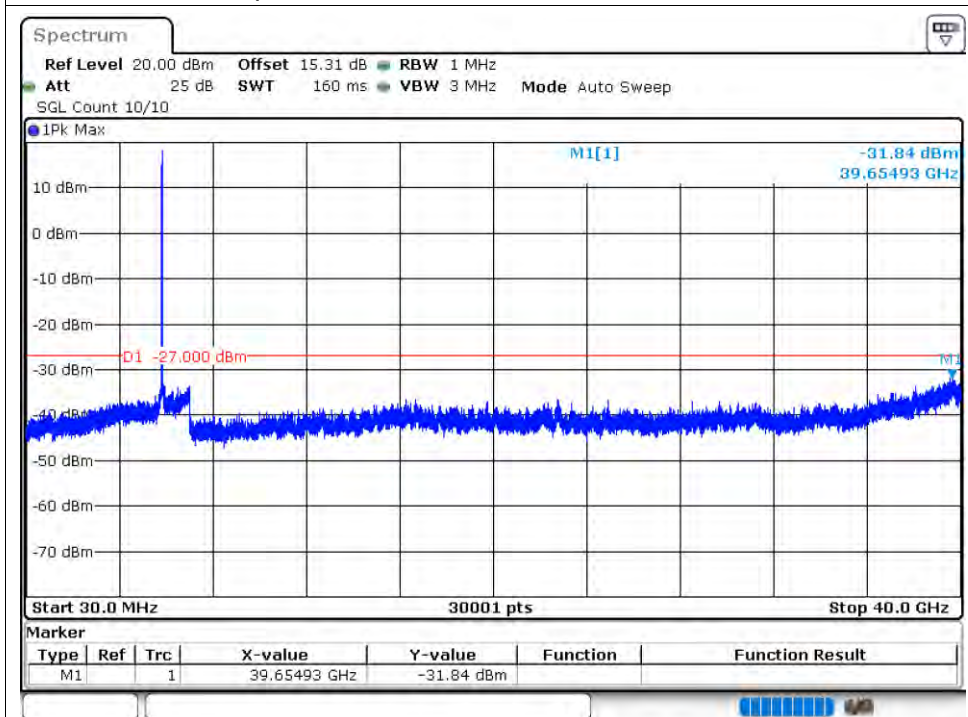
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	39.60163 GHz	-30.97 dBm		

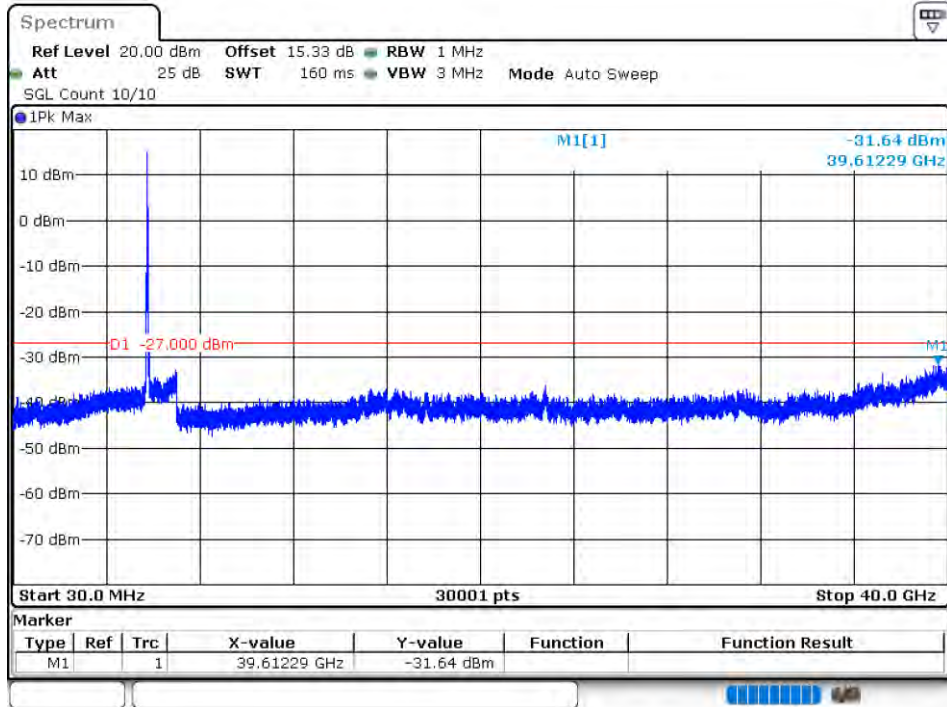
Tx. Spurious NVNT n20 5785MHz Ant1 Emission



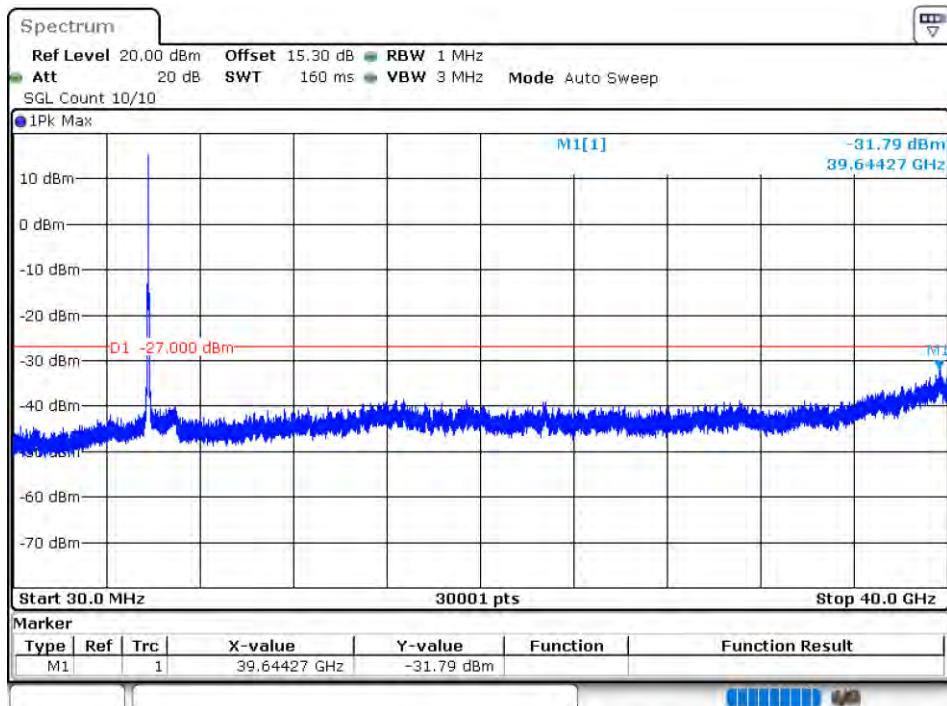
Tx. Spurious NVNT n20 5825MHz Ant1 Emission



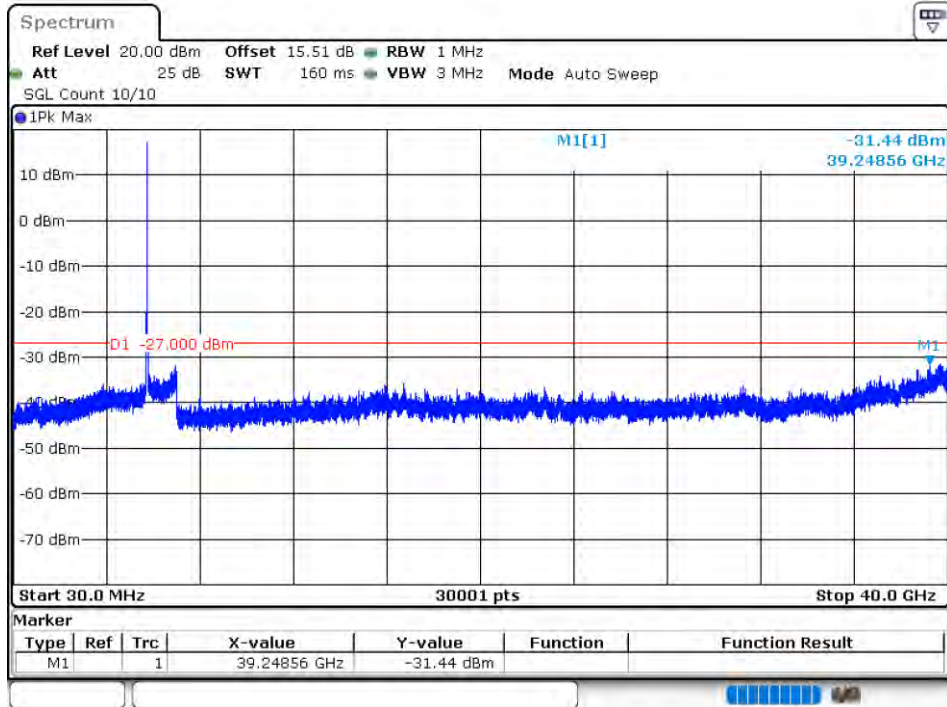
Tx. Spurious NVNT n40 5755MHz Ant1 Emission



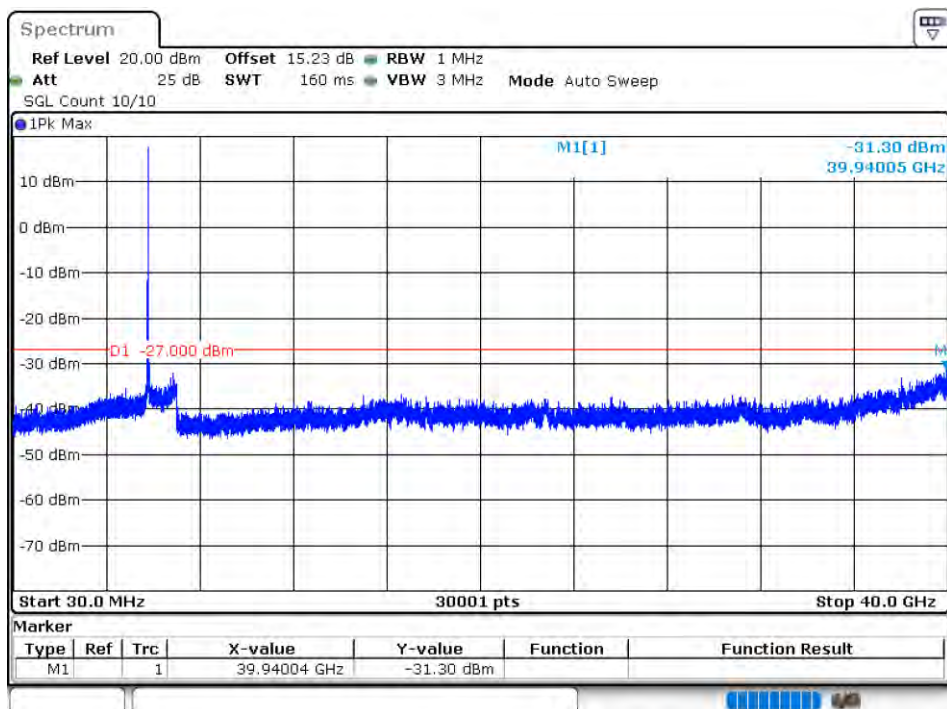
Tx. Spurious NVNT n40 5795MHz Ant1 Emission



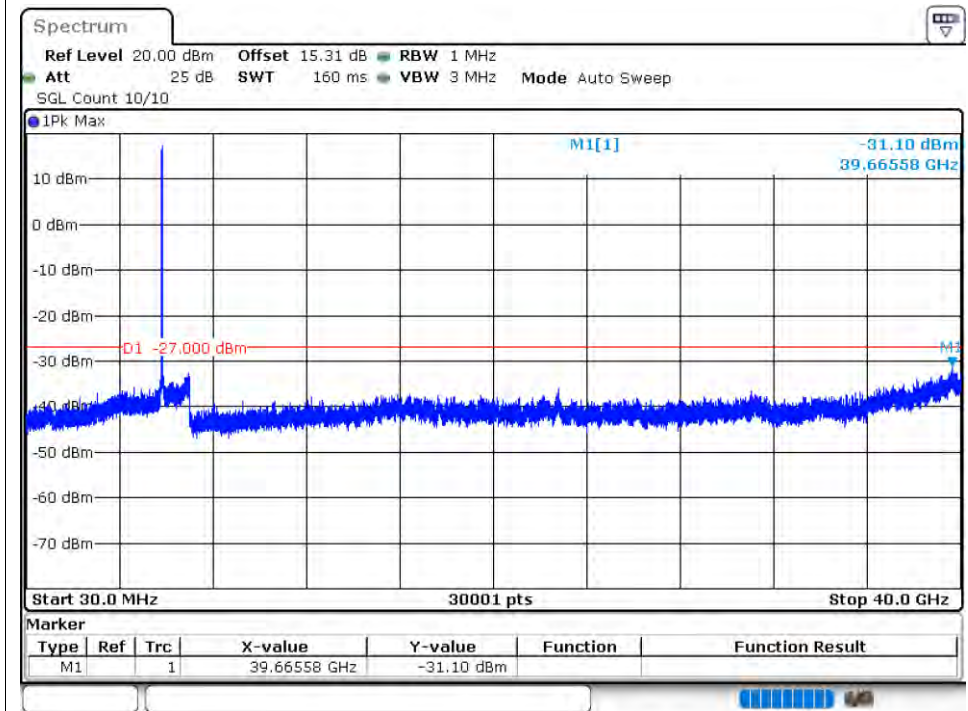
Tx. Spurious NVNT ac20 5745MHz Ant1 Emission



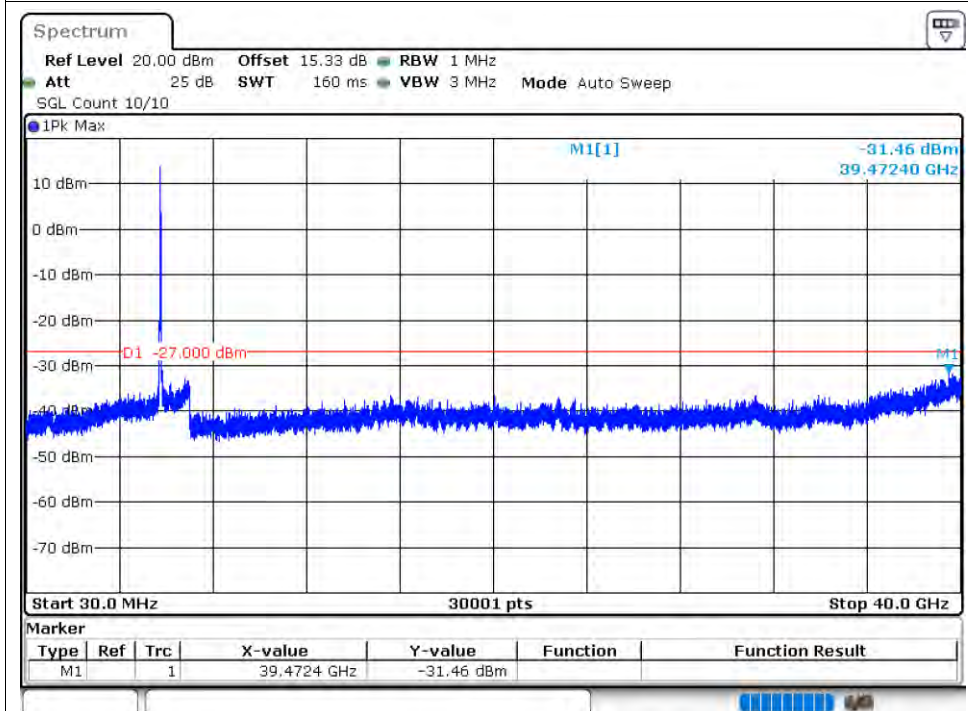
Tx. Spurious NVNT ac20 5785MHz Ant1 Emission

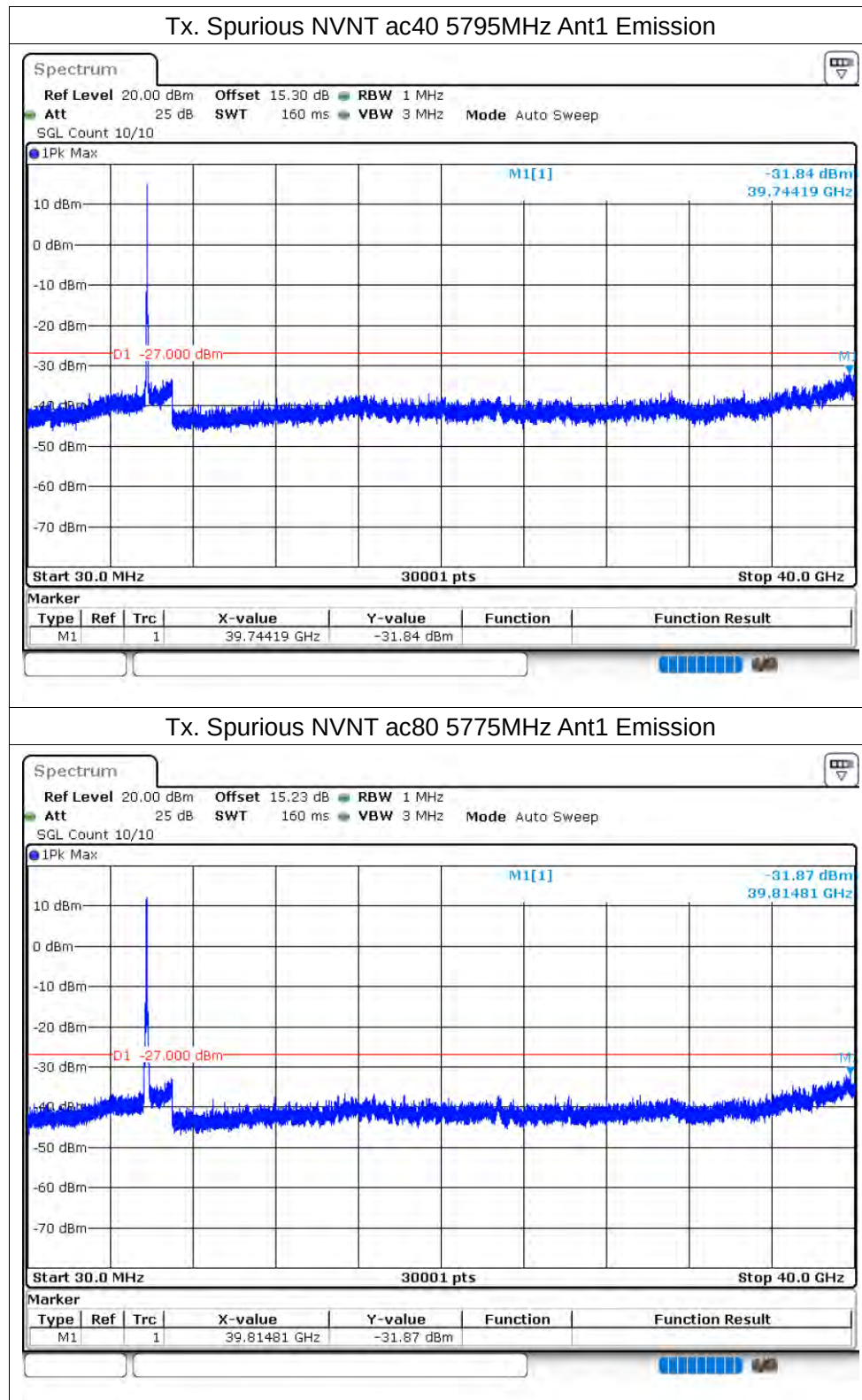


Tx. Spurious NVNT ac20 5825MHz Ant1 Emission



Tx. Spurious NVNT ac40 5755MHz Ant1 Emission

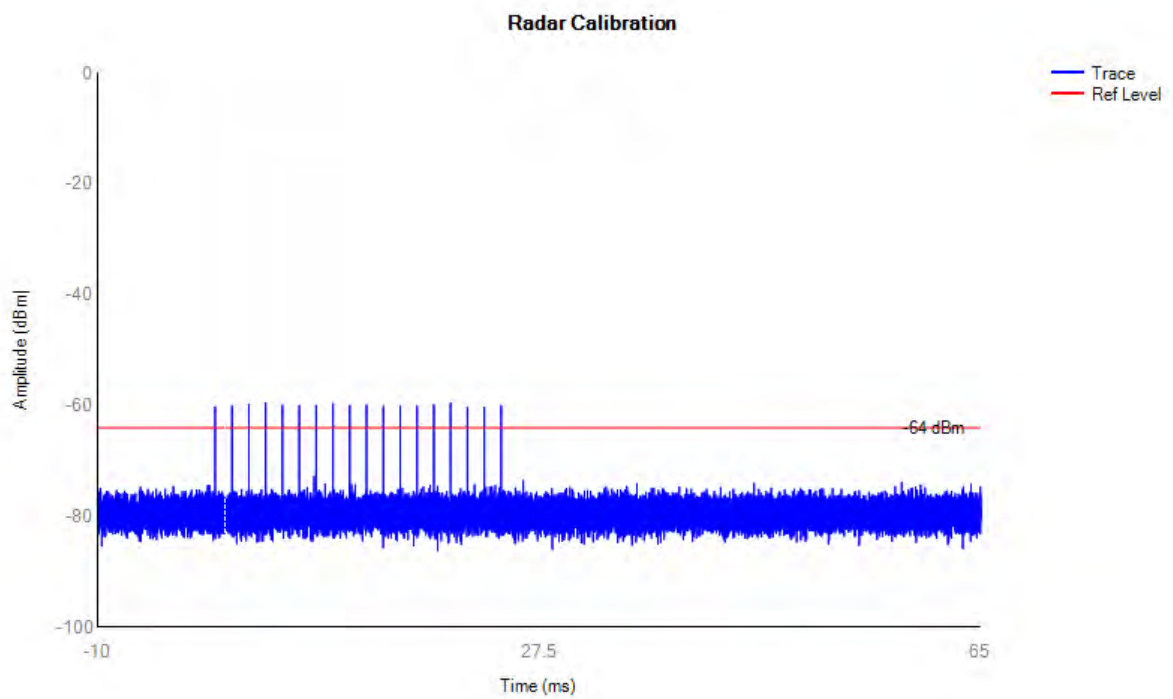




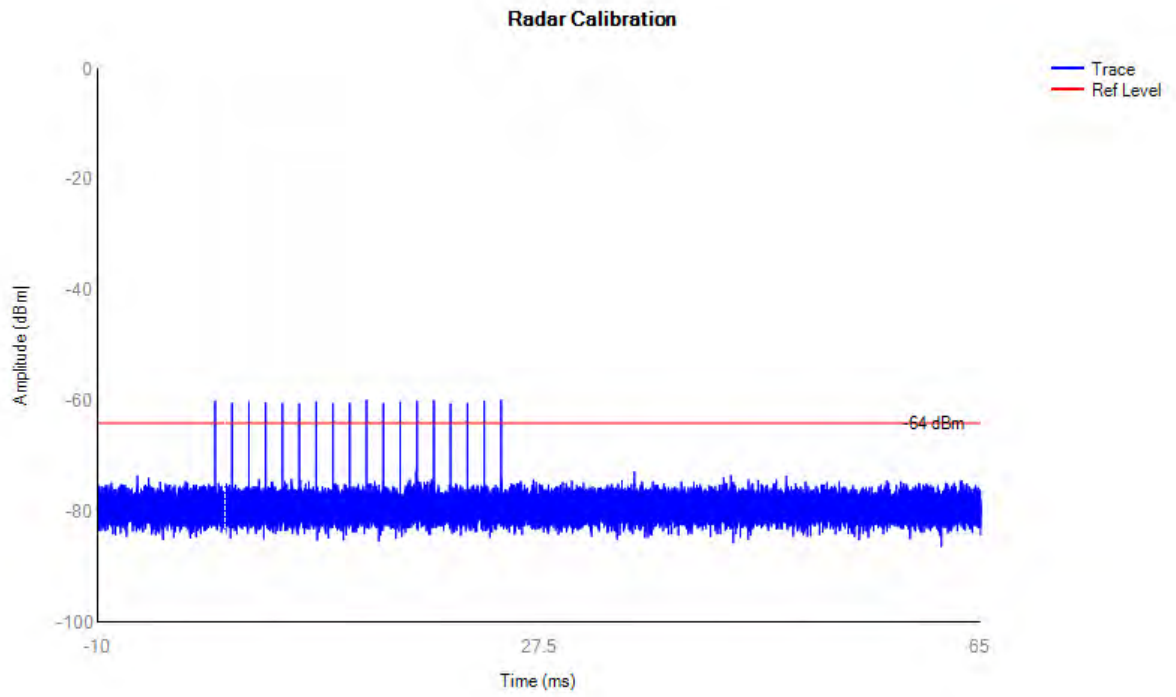
DFS

Calibration

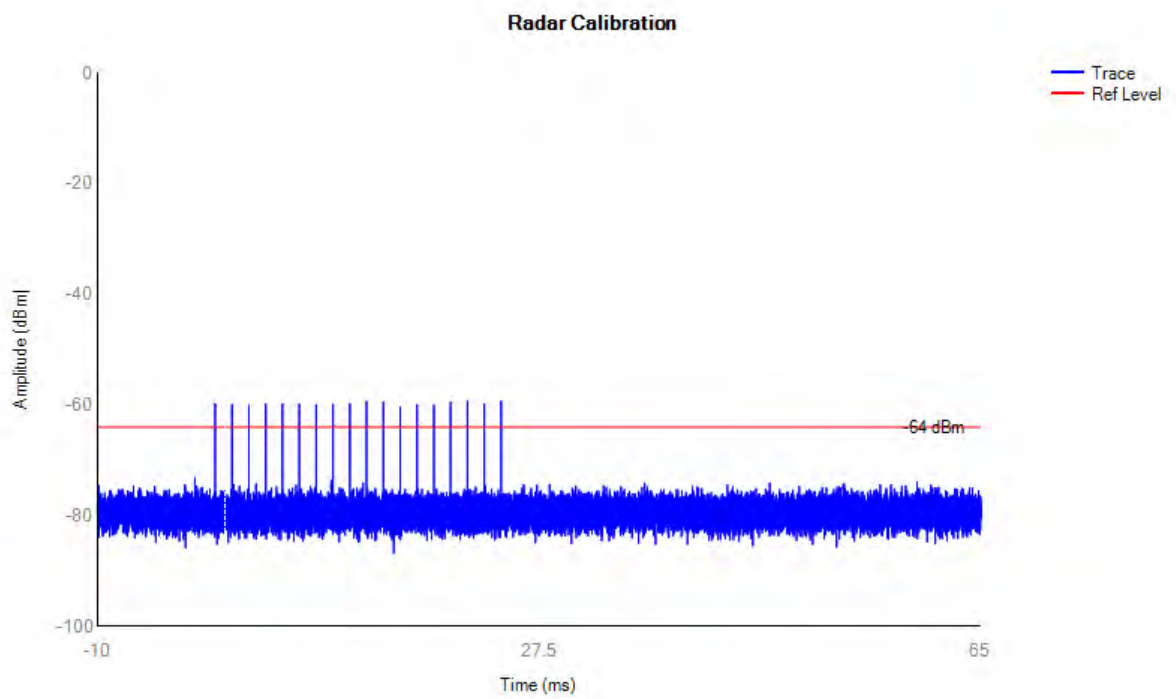
5260MHz a DFS_FCC_T0



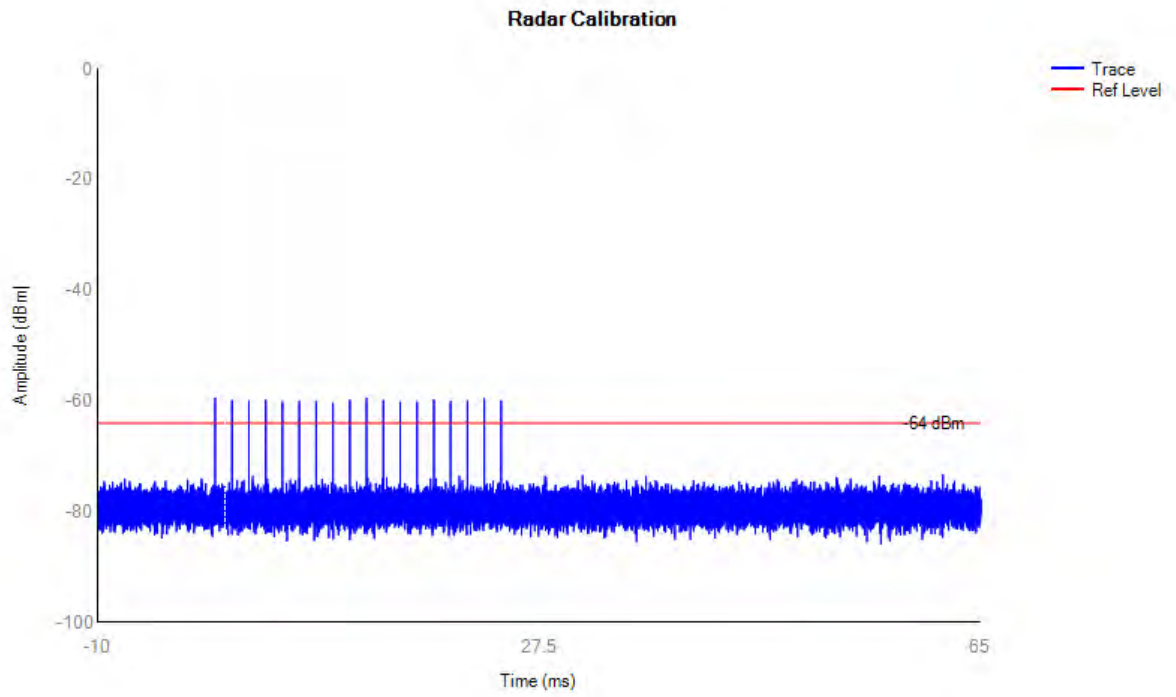
5500MHz a DFS_FCC_T0



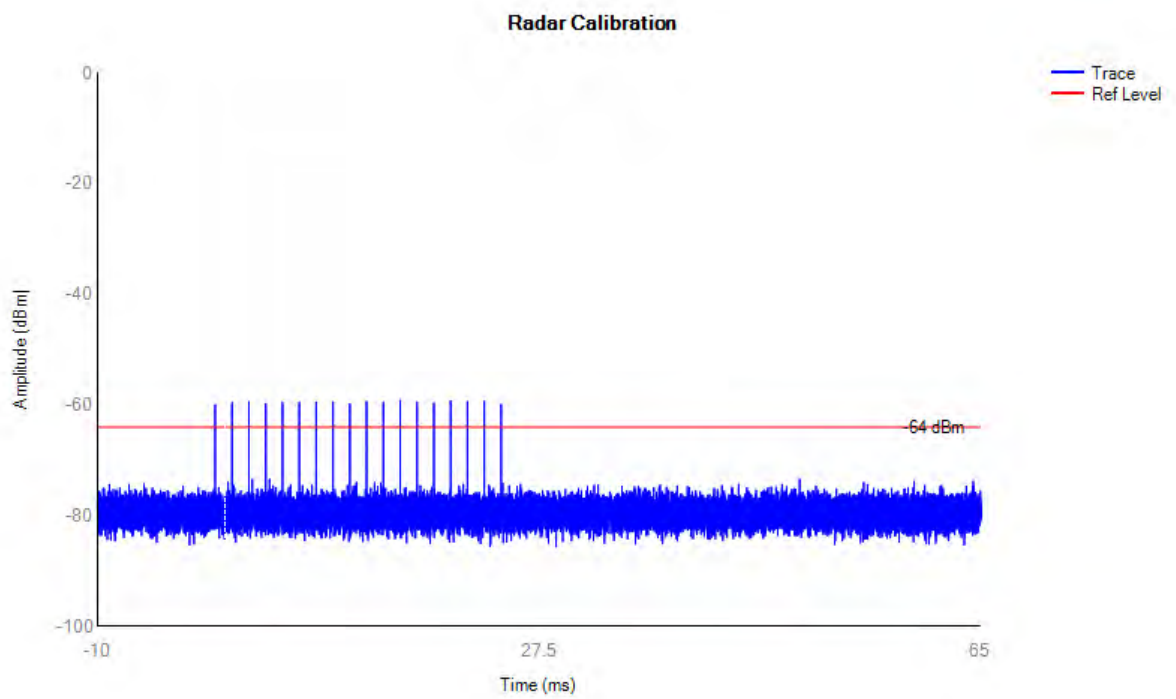
5270MHz n40 DFS_FCC_T0



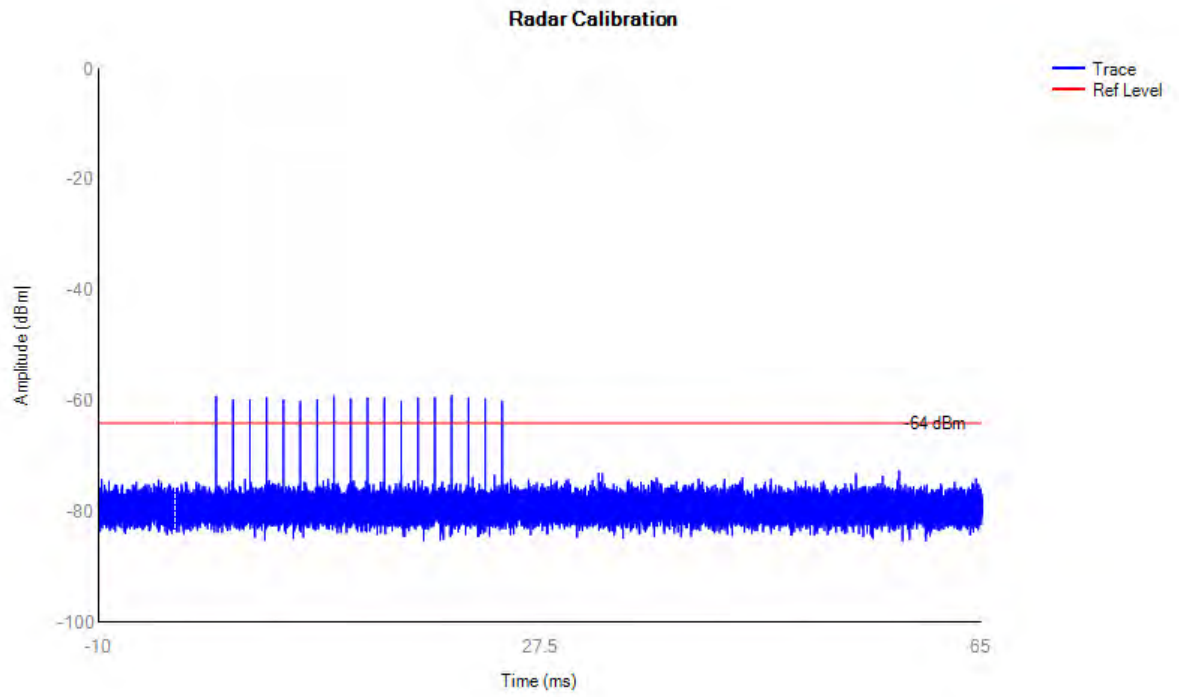
5510MHz n40 DFS_FCC_T0



5290MHz ac80 DFS_FCC_T0

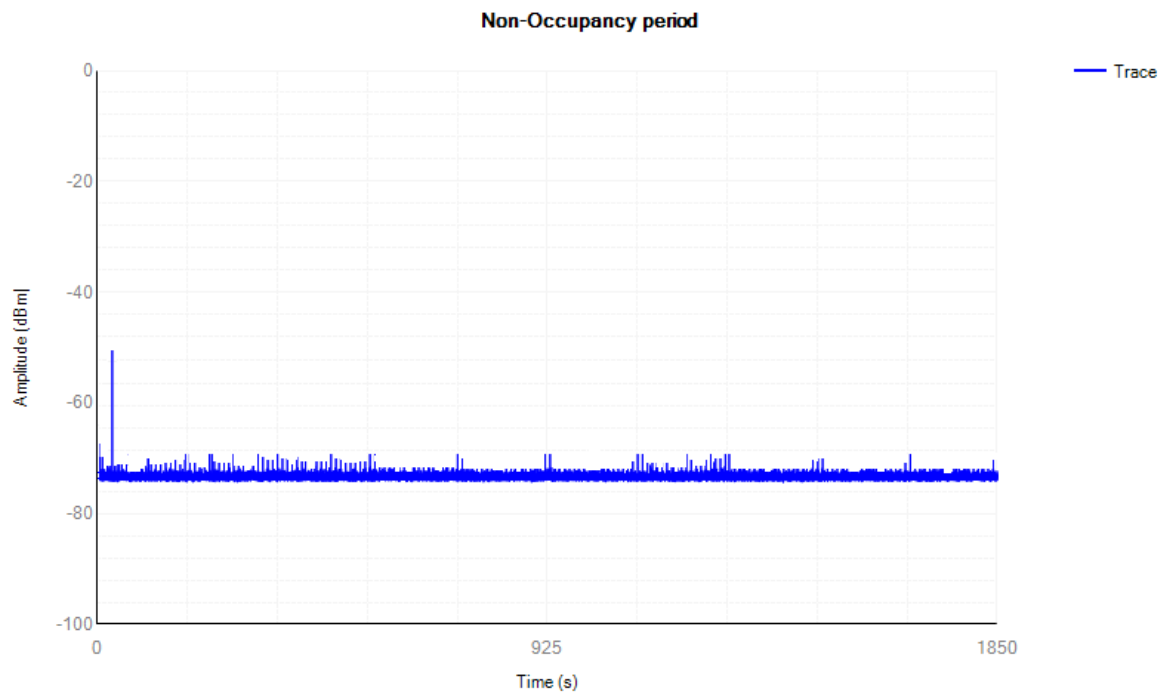


5530MHz ac80 DFS_FCC_T0

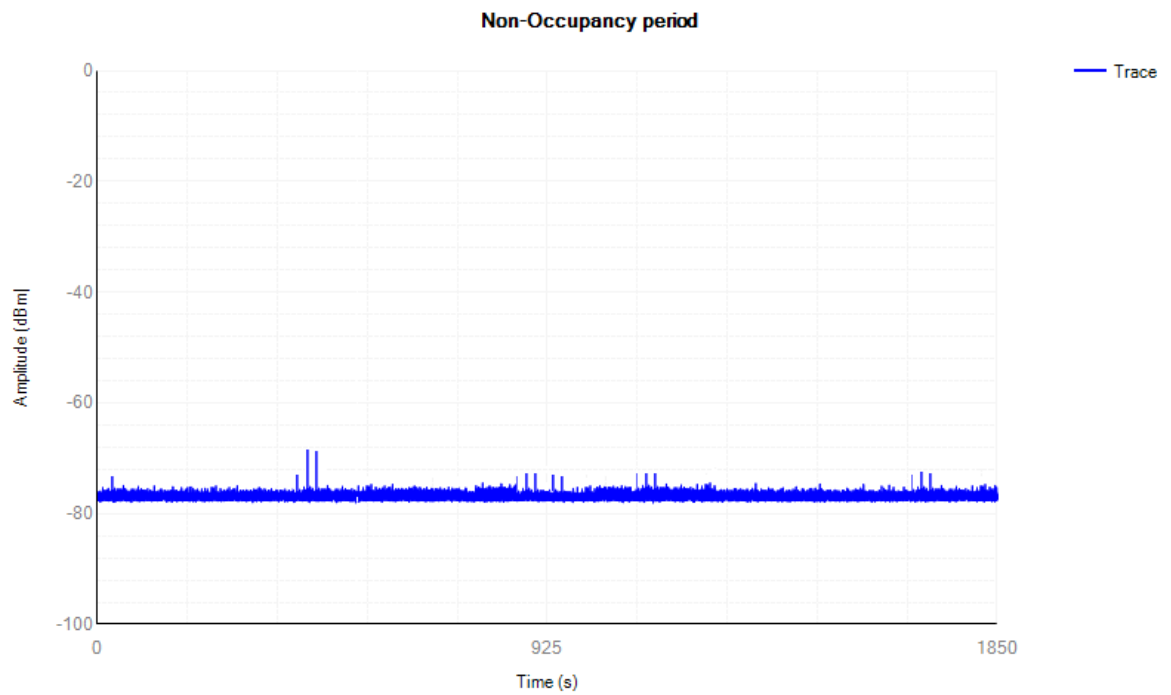


Non-Occupancy

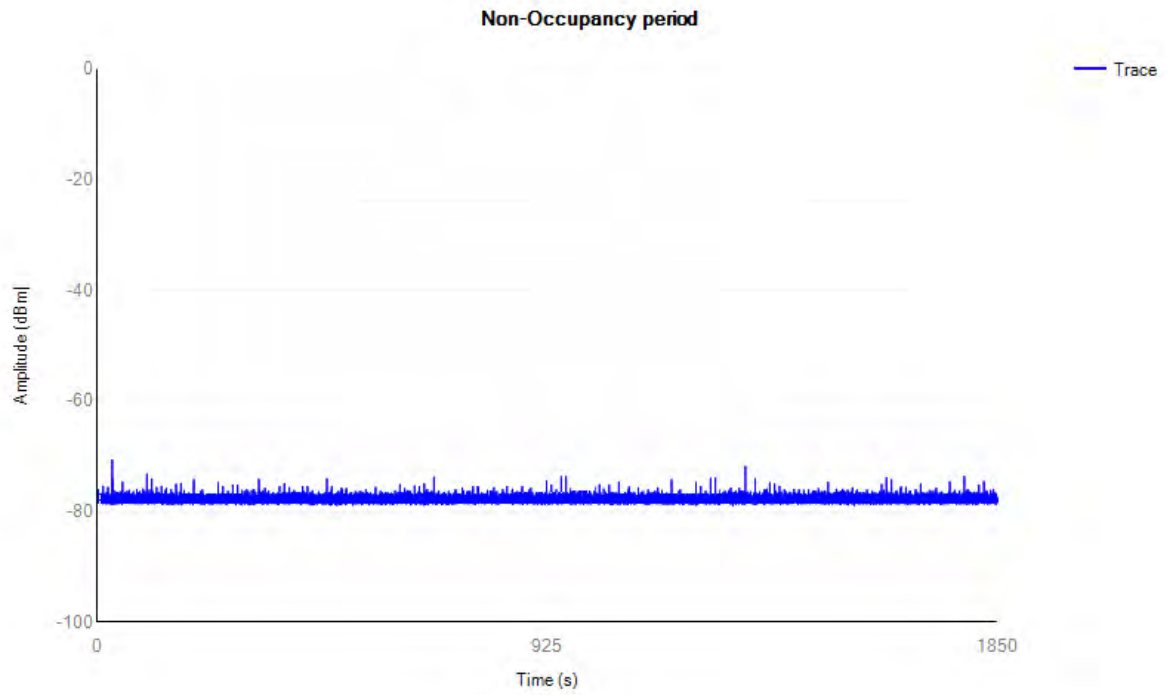
5260MHz a Non-Occupancy



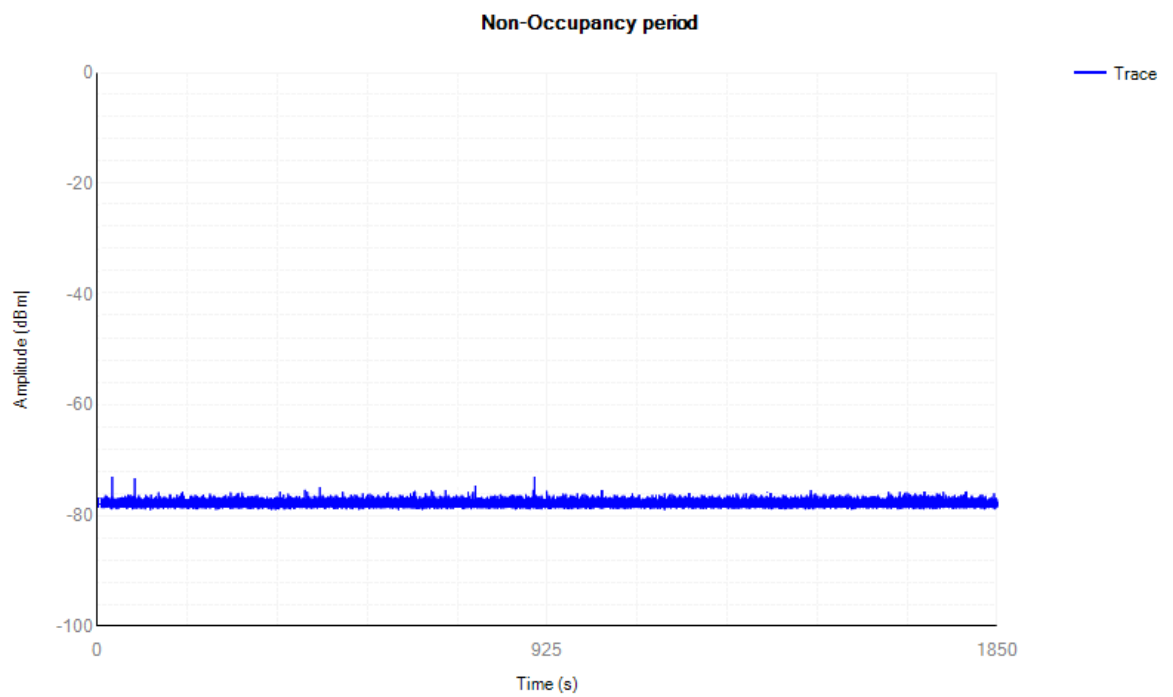
5500MHz a Non-Occupancy



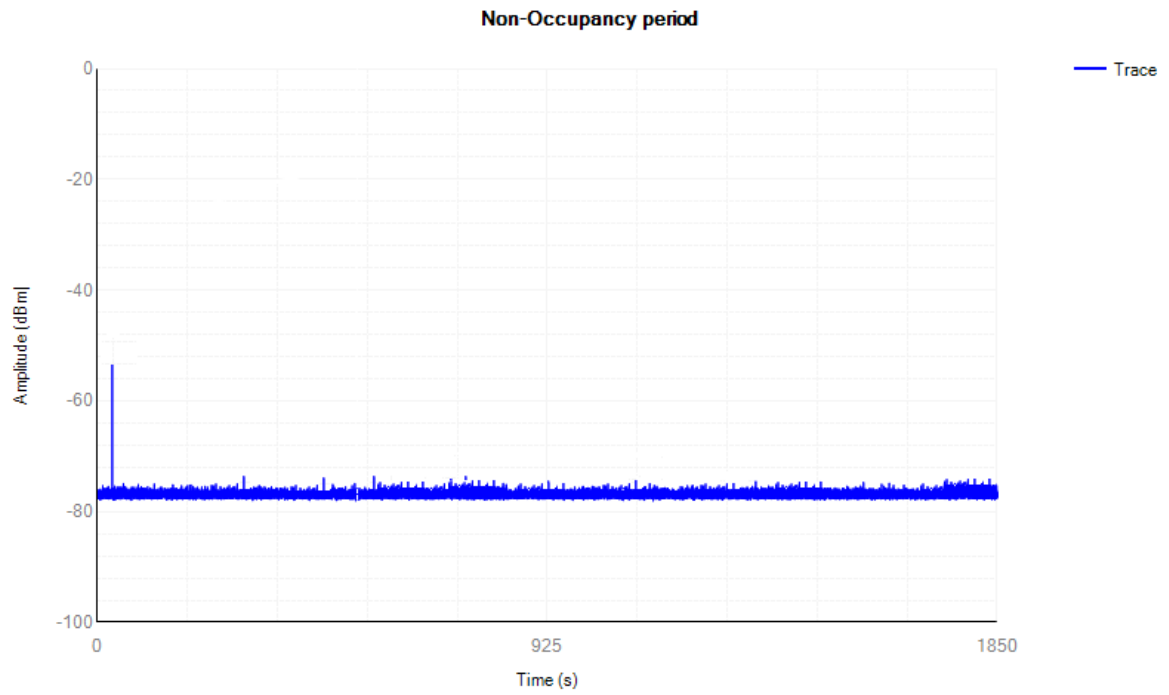
5270MHz n40 Non-Occupancy



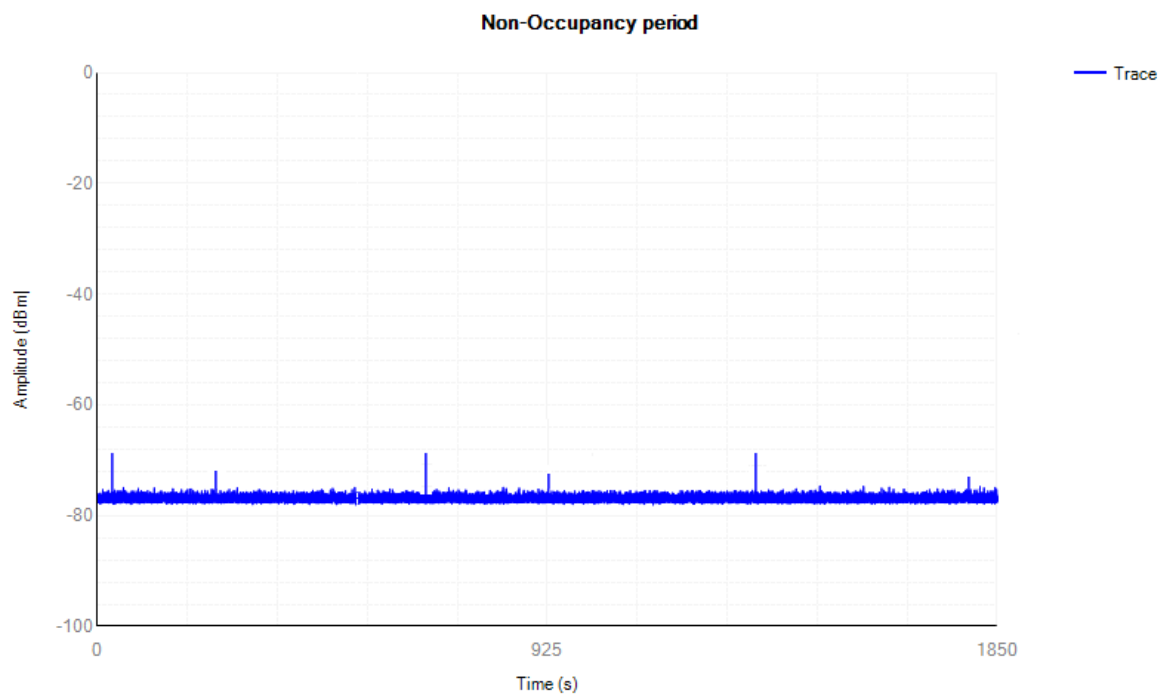
5510MHz n40 Non-Occupancy



5290MHz ac80 Non-Occupancy



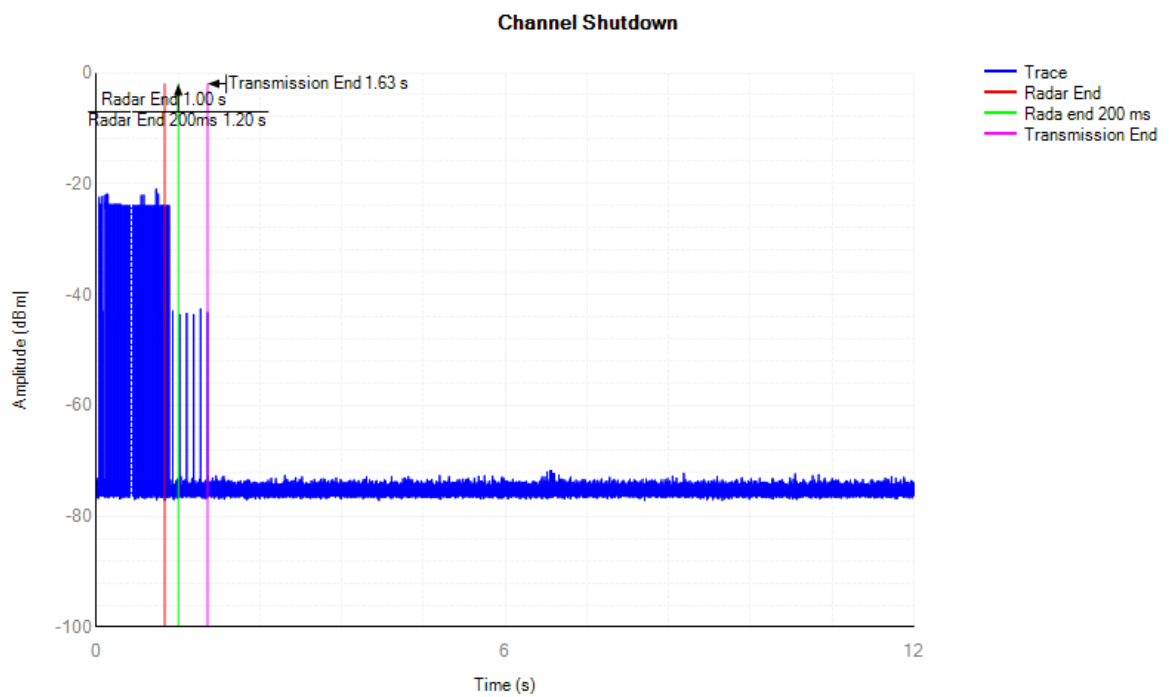
5530MHz ac80 Non-Occupancy



Shutdown Time

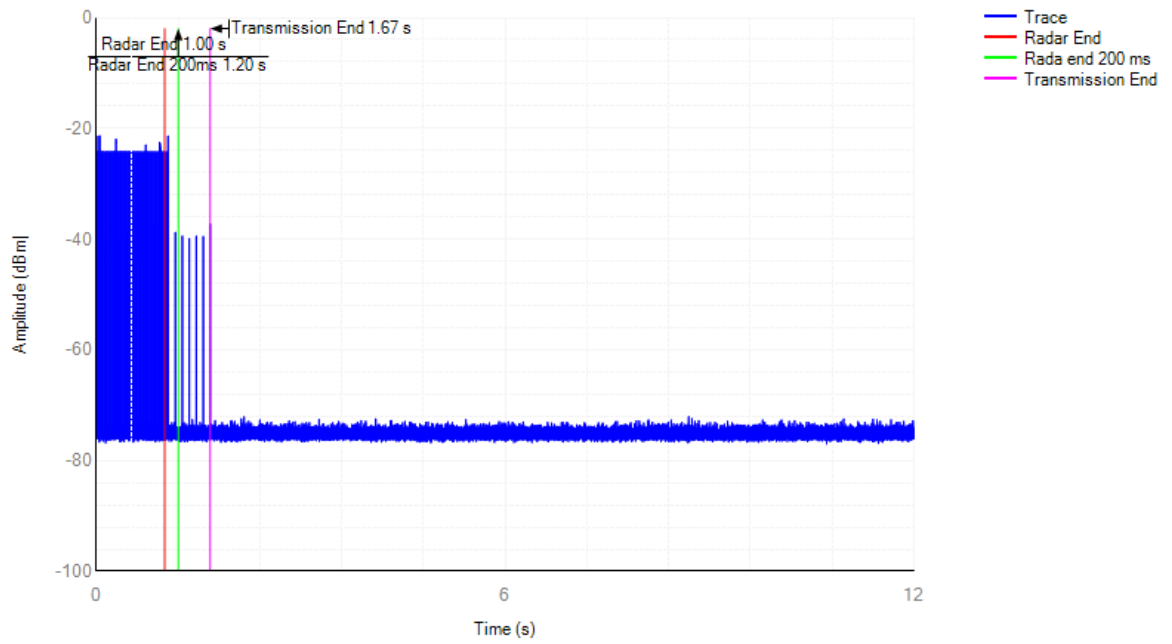
Mode	Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Close Transmission Time (s)	Limit Close Transmission Time (s)	Close Transmission Time after 200ms(s)	Limit Close Transmission Time after 200ms (s)	Verdict
a	5260	0.63	10	0.006	0.26	0.002	0.06	Pass
a	5500	0.6684	10	0.0072	0.26	0.002	0.06	Pass
n40	5270	0.404	10	0.002	0.26	0.0012	0.06	Pass
n40	5510	0.0724	10	0.002	0.26	0	0.06	Pass
ac80	5290	0.0648	10	0.0036	0.26	0	0.06	Pass
ac80	5530	0.3752	10	0.0052	0.26	0.0008	0.06	Pass

5260MHz a Shutdown



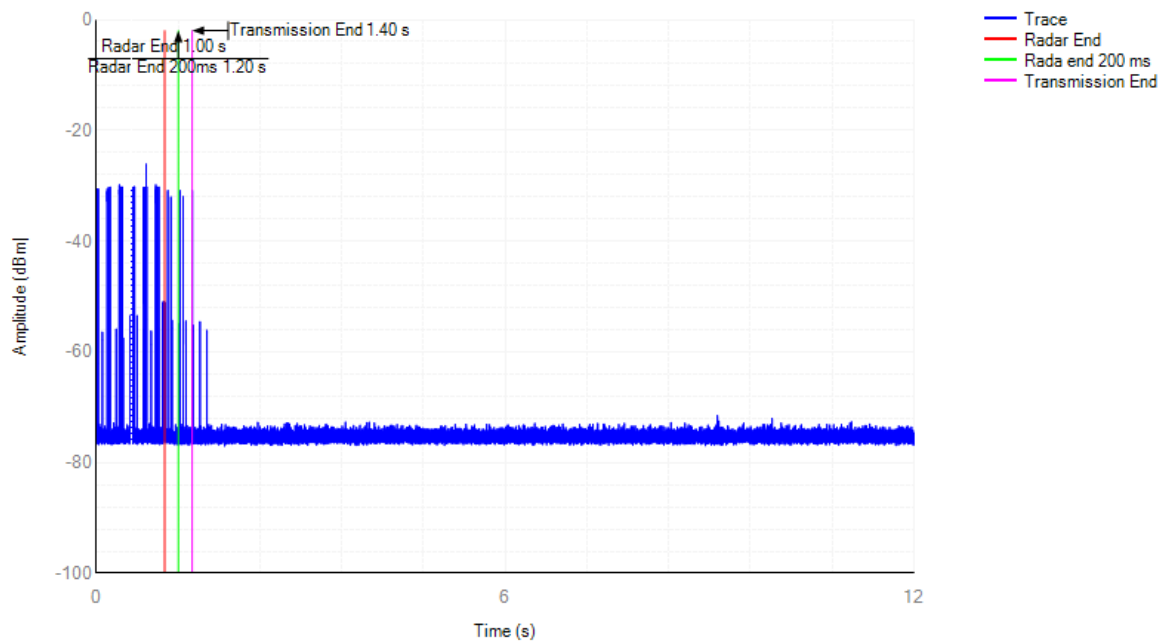
5500MHz a Shutdown

Channel Shutdown



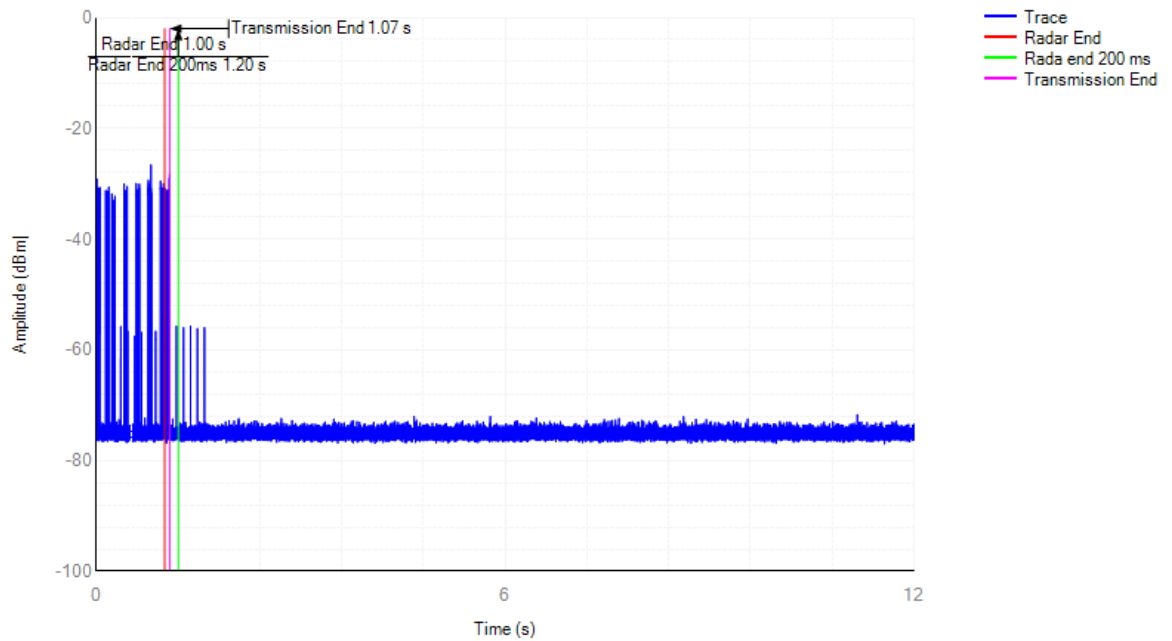
5270MHz n40 Shutdown

Channel Shutdown



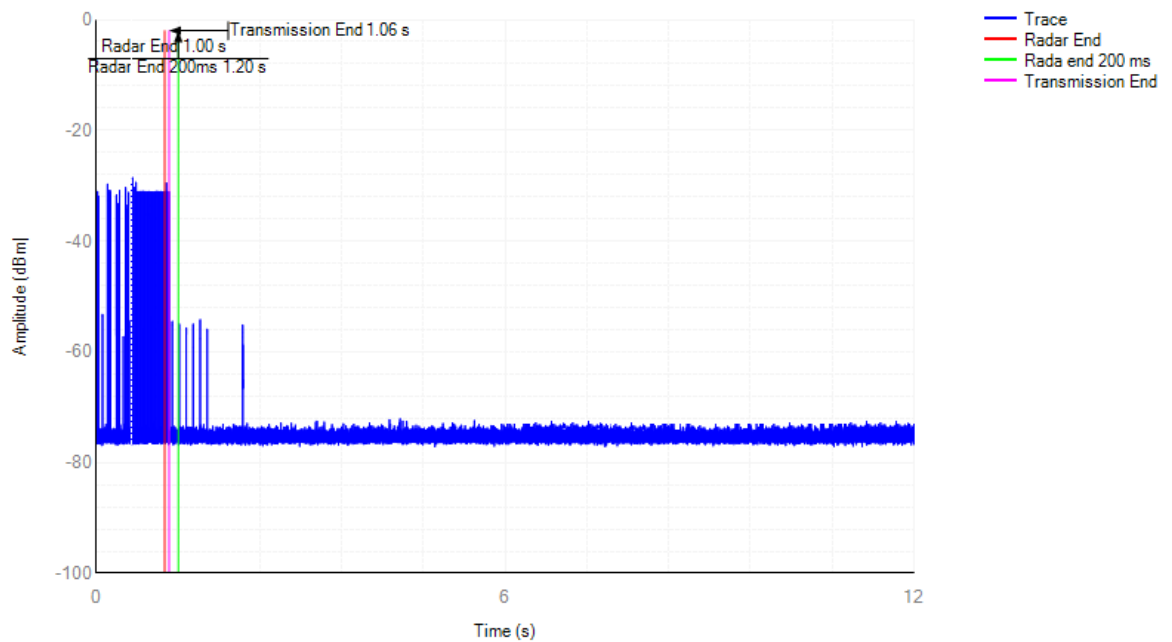
5510MHz n40 Shutdown

Channel Shutdown



5290MHz ac80 Shutdown

Channel Shutdown



5530MHz ac80 Shutdown

