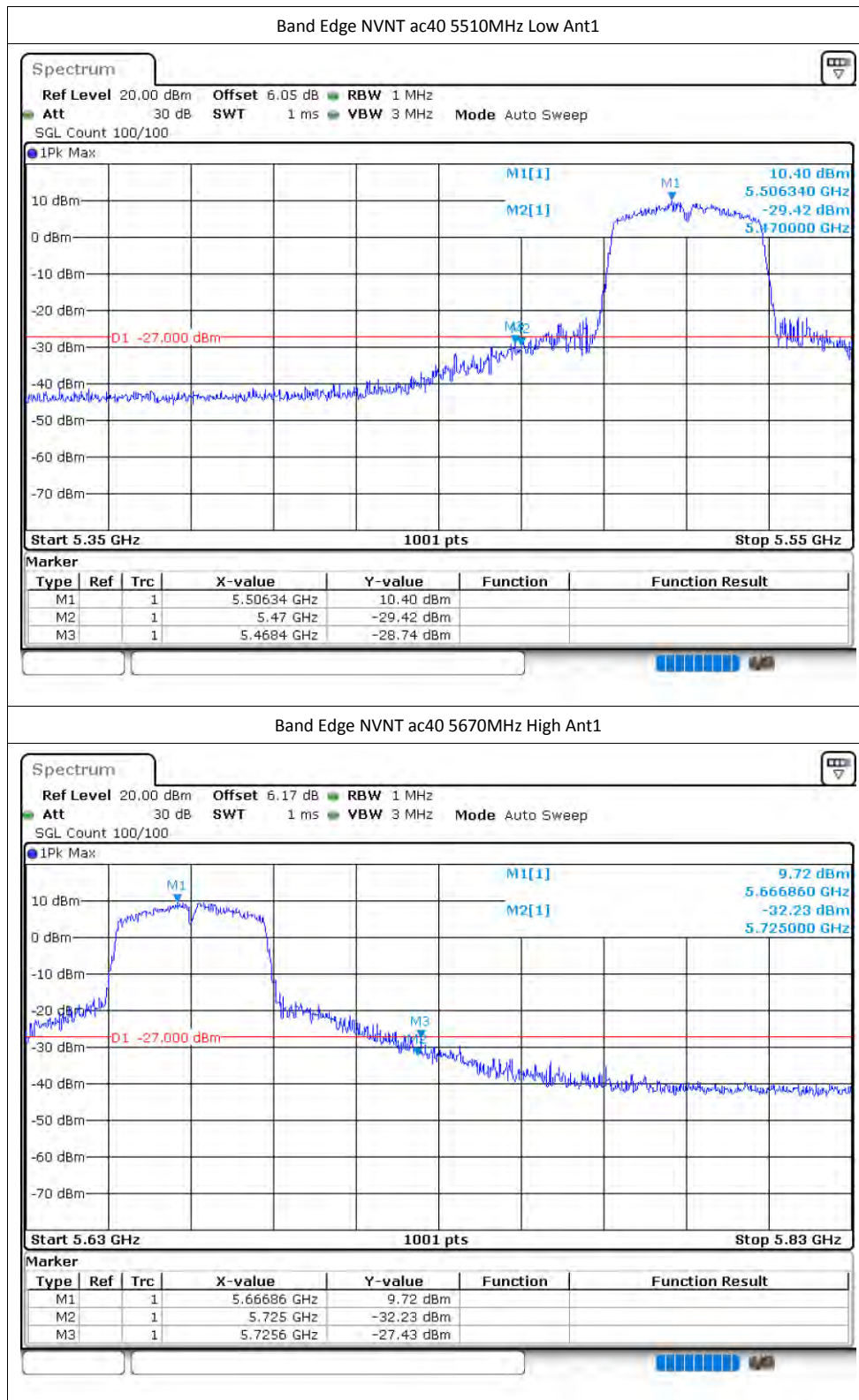
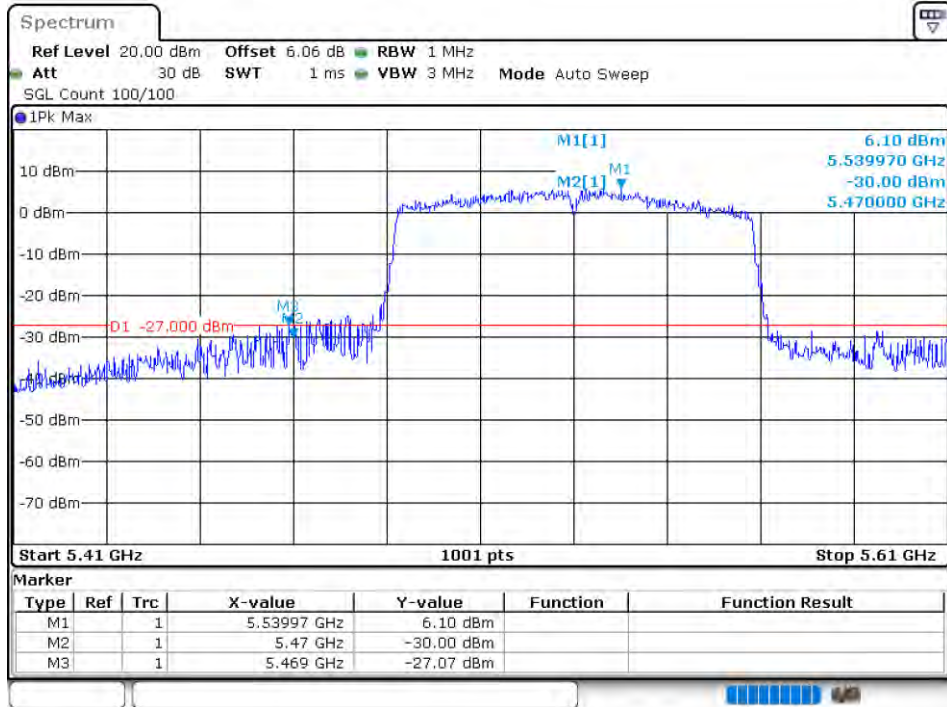




Band Edge NVNT ac80 5530MHz Low Ant1



Band Edge NVNT ac80 5610MHz High Ant1



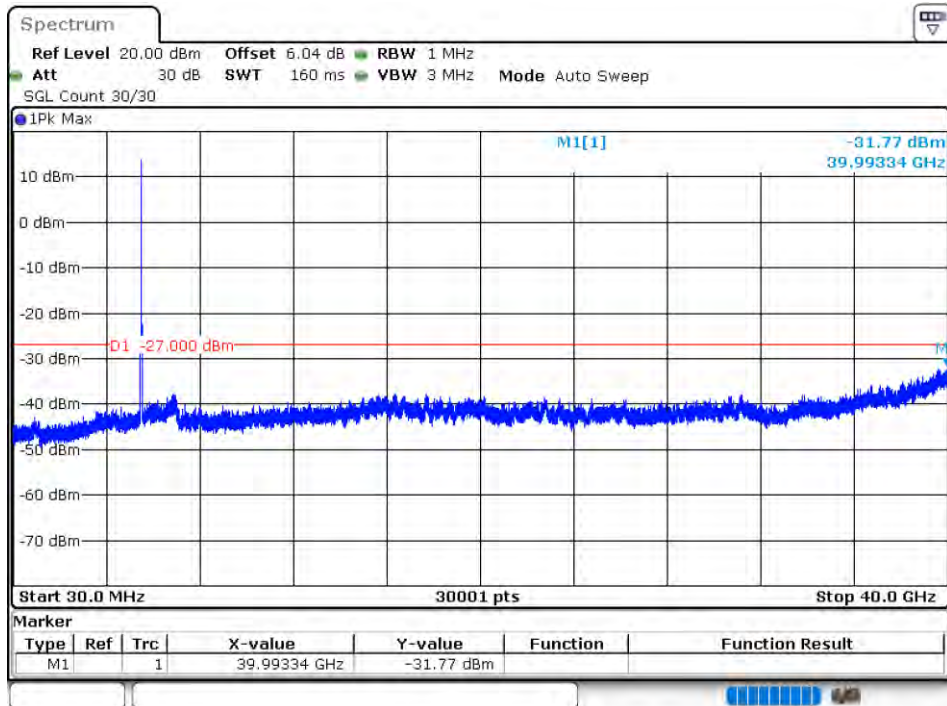
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5500	Ant1	-31.77	-27	Pass
NVNT	a	5600	Ant1	-32.24	-27	Pass
NVNT	a	5700	Ant1	-32.66	-27	Pass
NVNT	n20	5500	Ant1	-32.55	-27	Pass
NVNT	n20	5600	Ant1	-31.62	-27	Pass
NVNT	n20	5700	Ant1	-32.36	-27	Pass
NVNT	n40	5510	Ant1	-31.62	-27	Pass
NVNT	n40	5590	Ant1	-31.39	-27	Pass
NVNT	n40	5670	Ant1	-32.11	-27	Pass
NVNT	ac20	5500	Ant1	-32.75	-27	Pass
NVNT	ac20	5600	Ant1	-32.11	-27	Pass
NVNT	ac20	5700	Ant1	-32.86	-27	Pass
NVNT	ac40	5510	Ant1	-32.43	-27	Pass
NVNT	ac40	5590	Ant1	-32.71	-27	Pass
NVNT	ac40	5670	Ant1	-32.09	-27	Pass
NVNT	ac80	5530	Ant1	-32.48	-27	Pass
NVNT	ac80	5610	Ant1	-32.79	-27	Pass

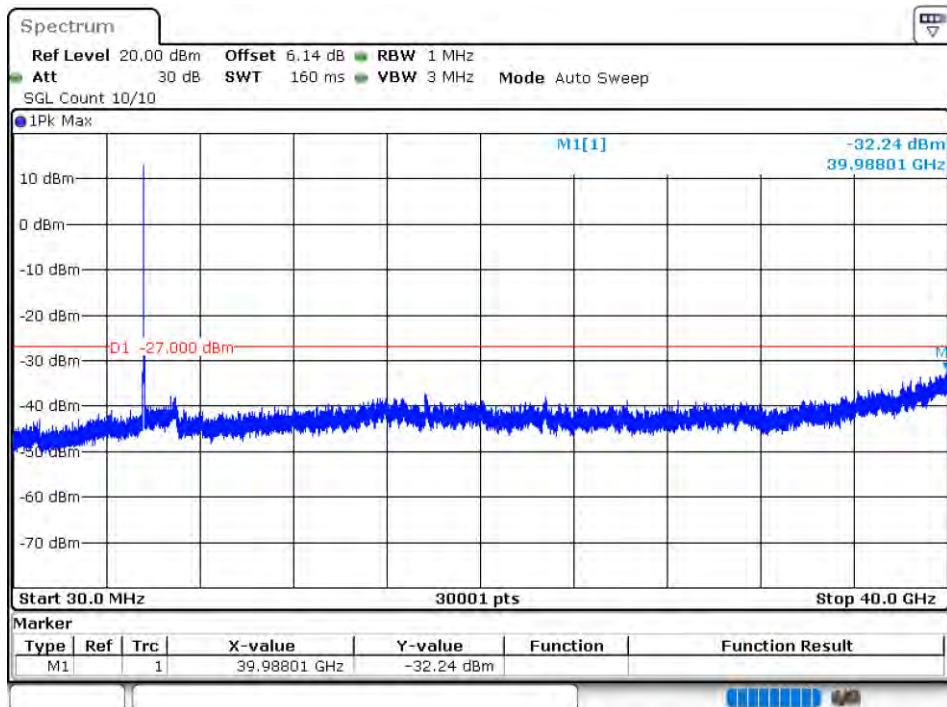
Note: This test has increased antenna gain .

Test Graphs

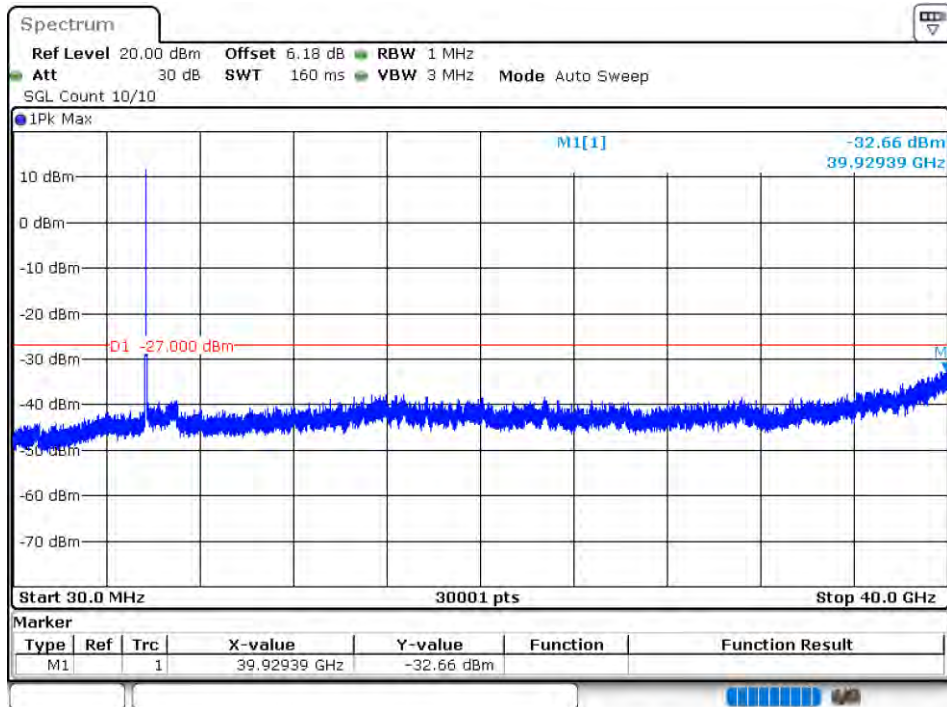
Tx. Spurious NVNT a 5500MHz Ant1 Emission



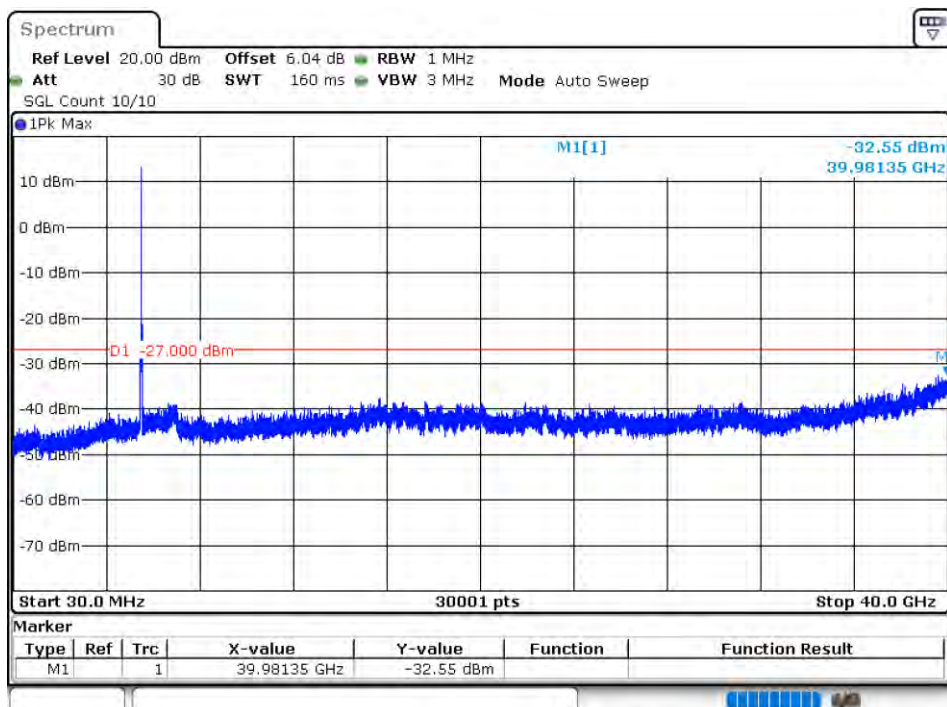
Tx. Spurious NVNT a 5600MHz Ant1 Emission



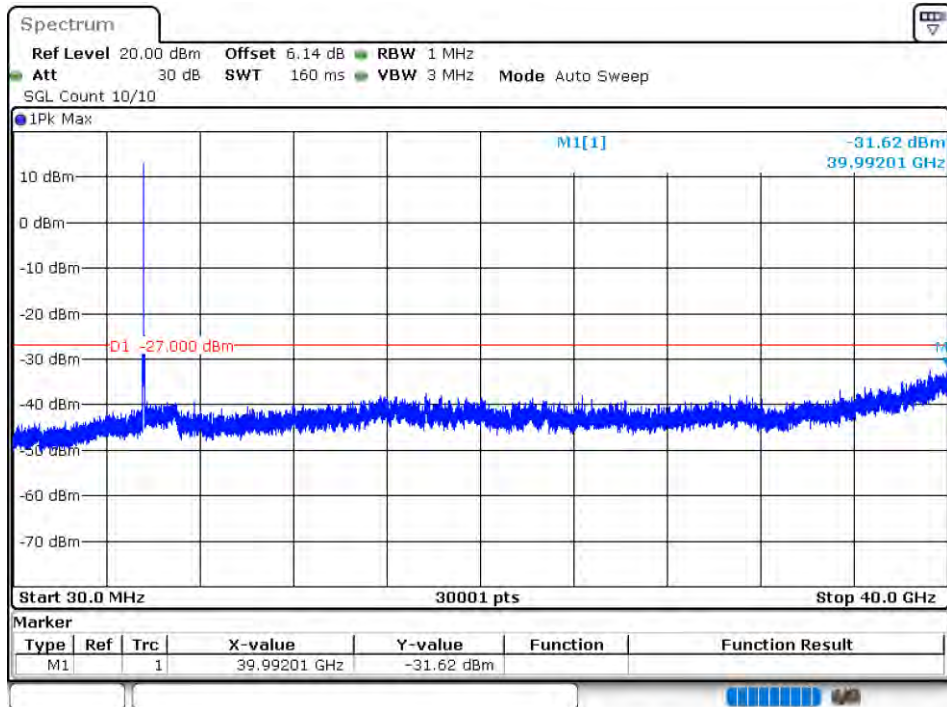
Tx. Spurious NVNT a 5700MHz Ant1 Emission



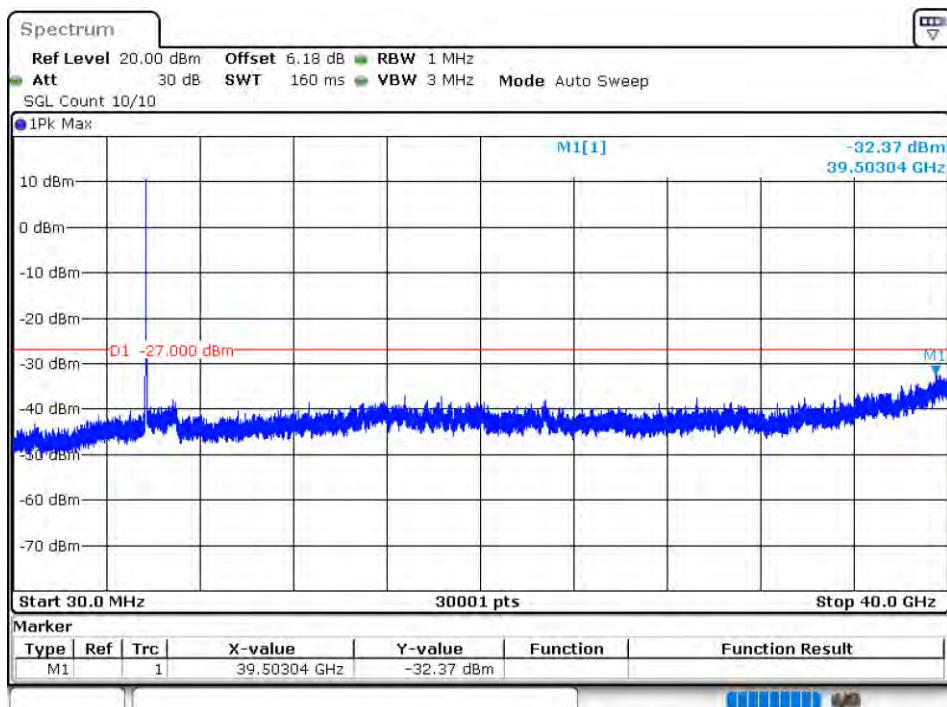
Tx. Spurious NVNT n20 5500MHz Ant1 Emission



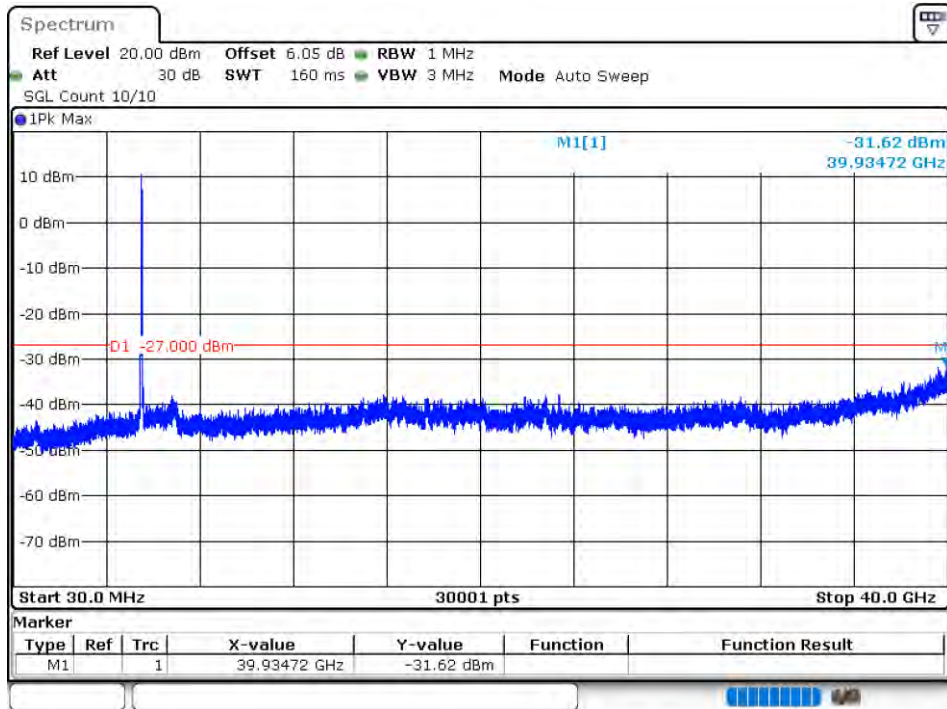
Tx. Spurious NVNT n20 5600MHz Ant1 Emission



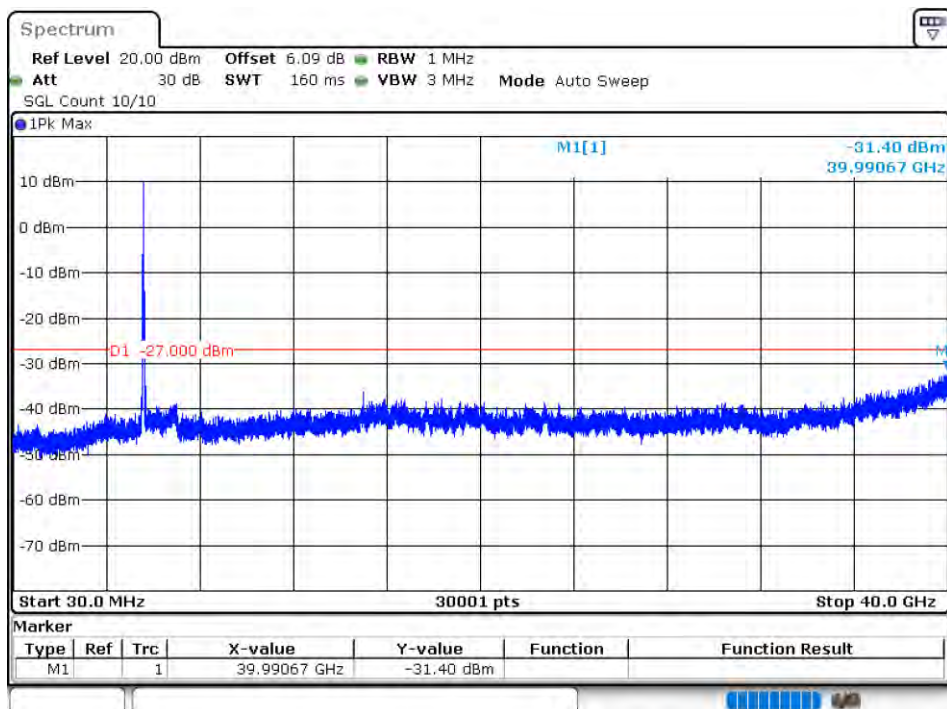
Tx. Spurious NVNT n20 5700MHz Ant1 Emission

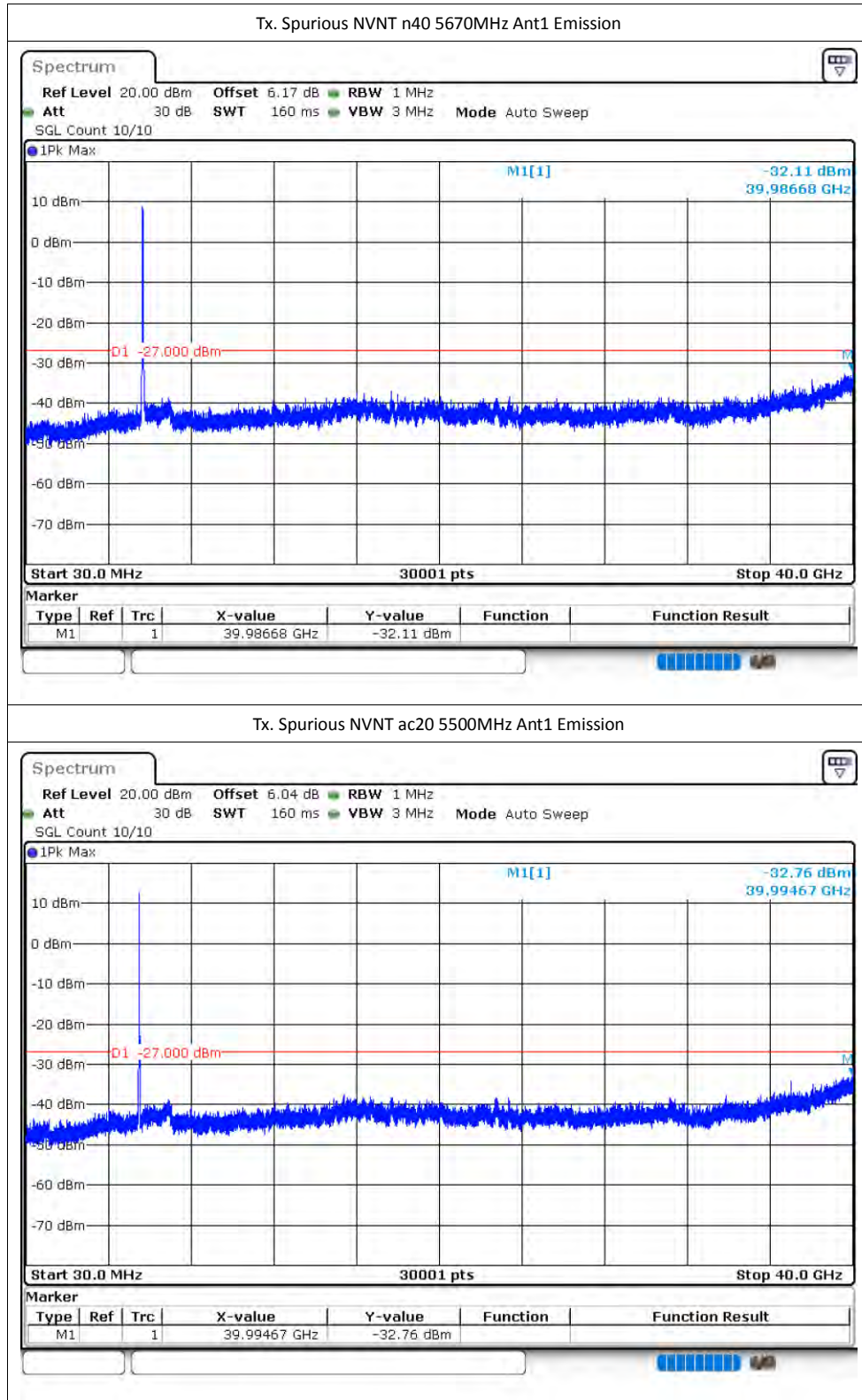


Tx. Spurious NVNT n40 5510MHz Ant1 Emission

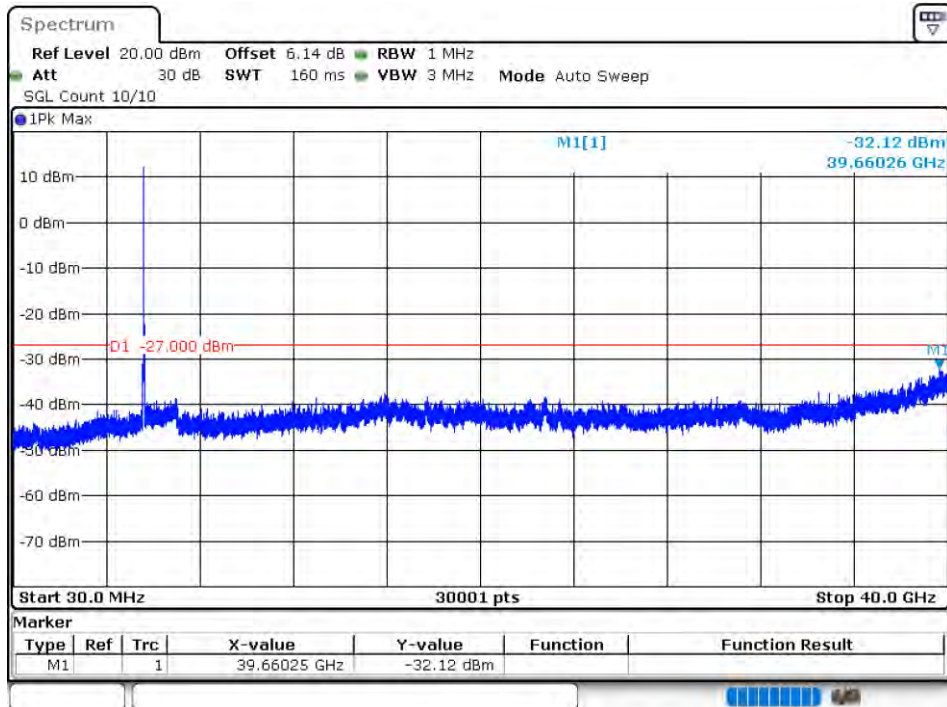


Tx. Spurious NVNT n40 5590MHz Ant1 Emission

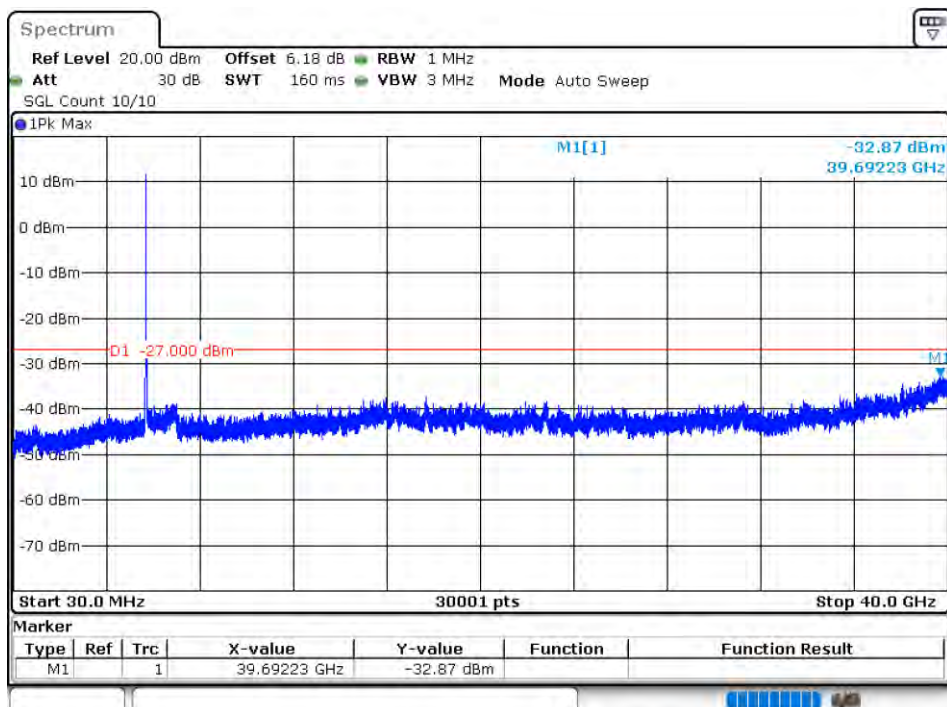




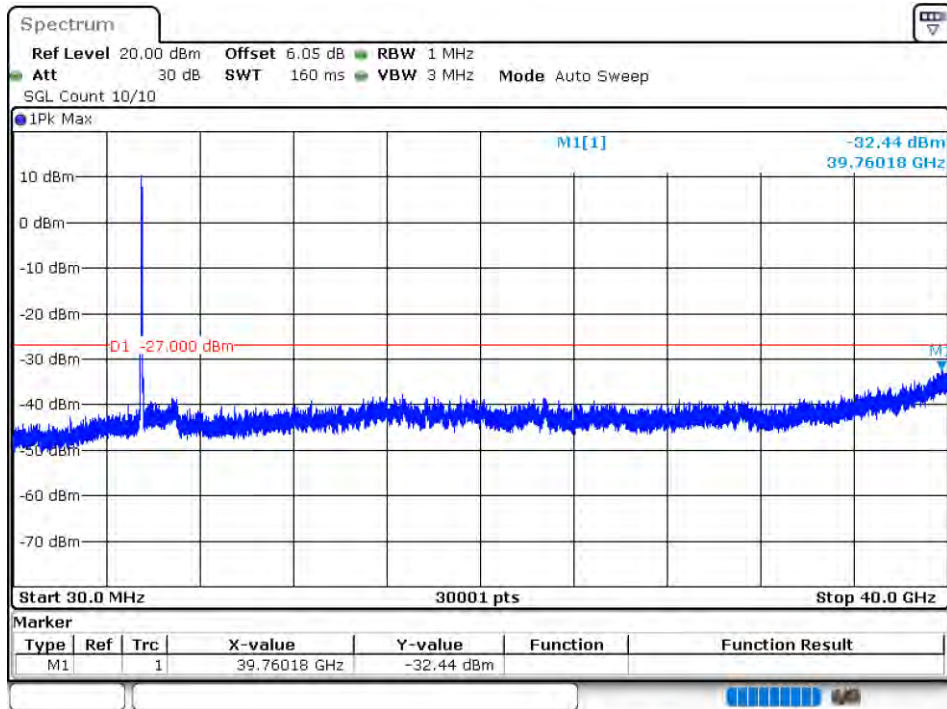
Tx. Spurious NVNT ac20 5600MHz Ant1 Emission



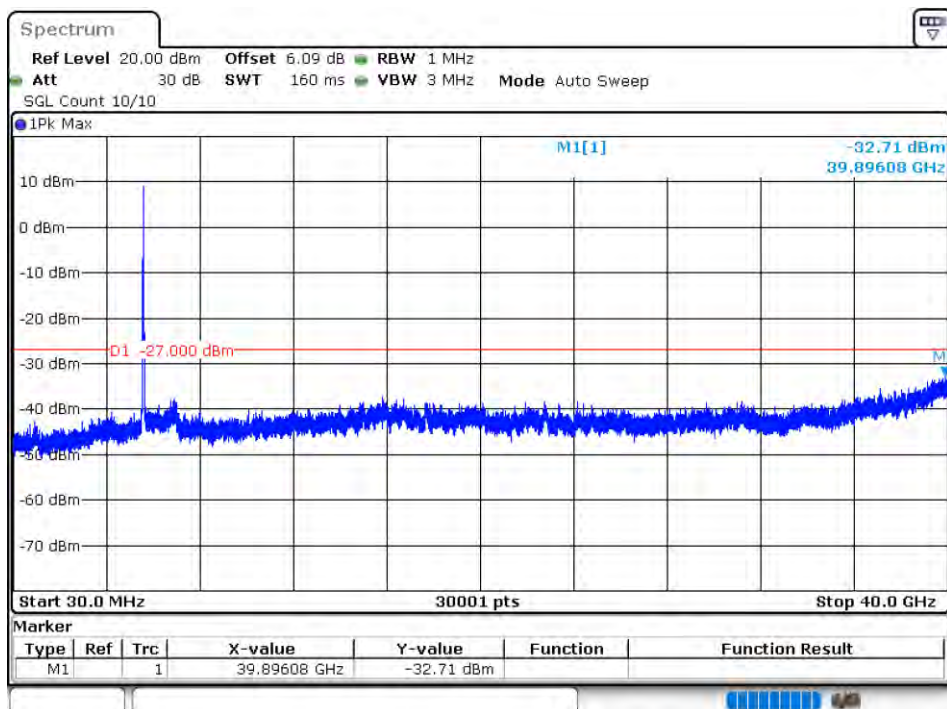
Tx. Spurious NVNT ac20 5700MHz Ant1 Emission



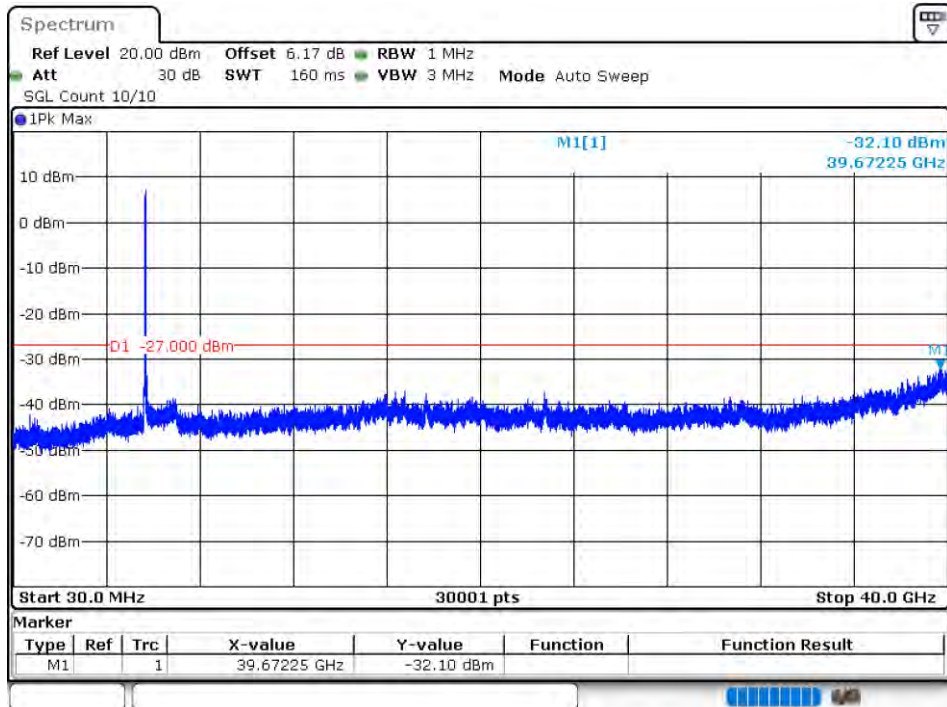
Tx. Spurious NVNT ac40 5510MHz Ant1 Emission



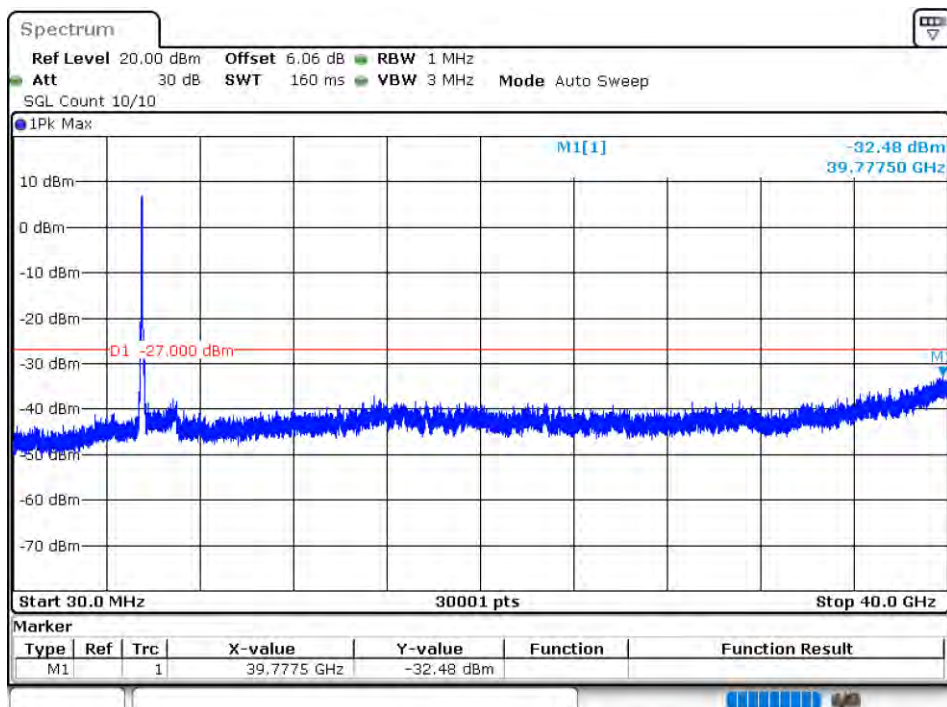
Tx. Spurious NVNT ac40 5590MHz Ant1 Emission

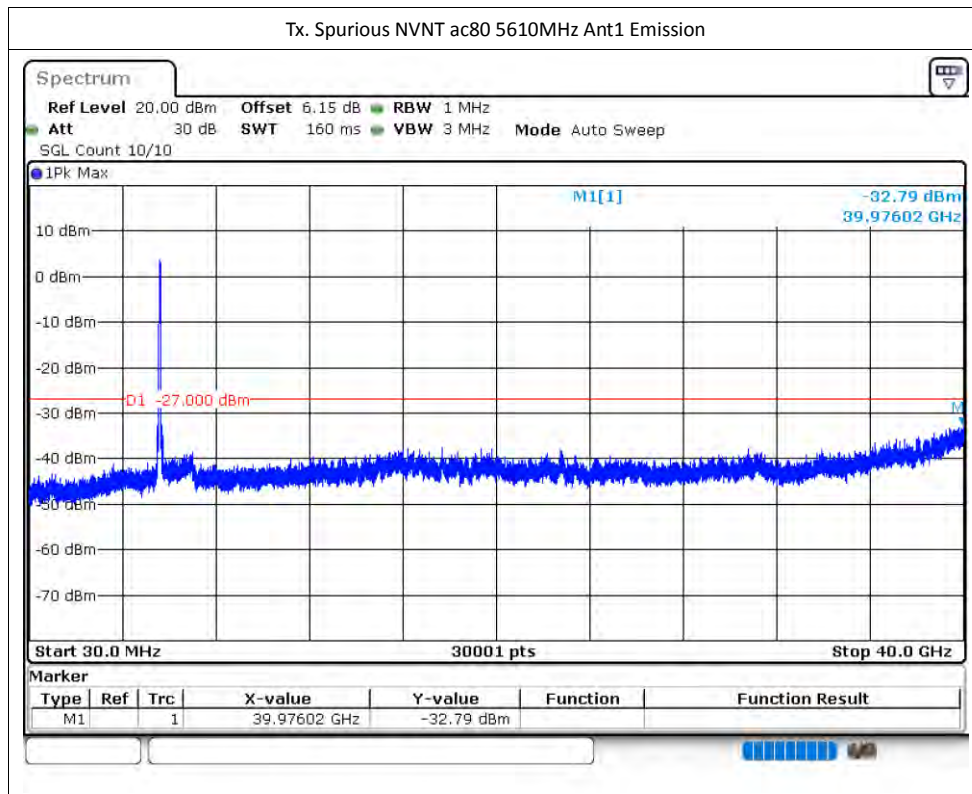


Tx. Spurious NVNT ac40 5670MHz Ant1 Emission



Tx. Spurious NVNT ac80 5530MHz Ant1 Emission





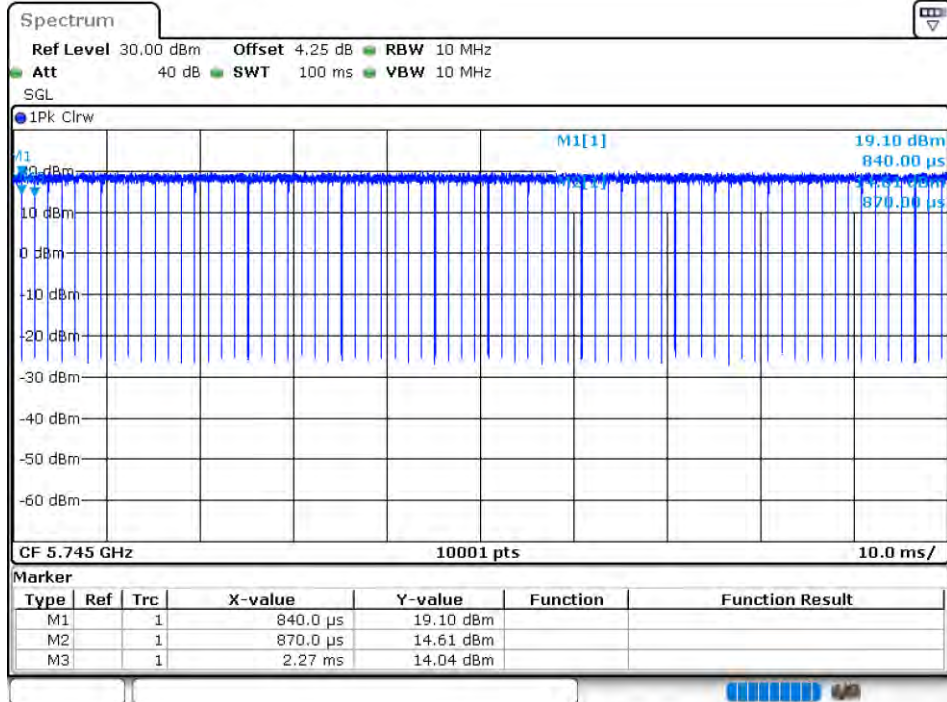
5.8G WIFI

Duty Cycle

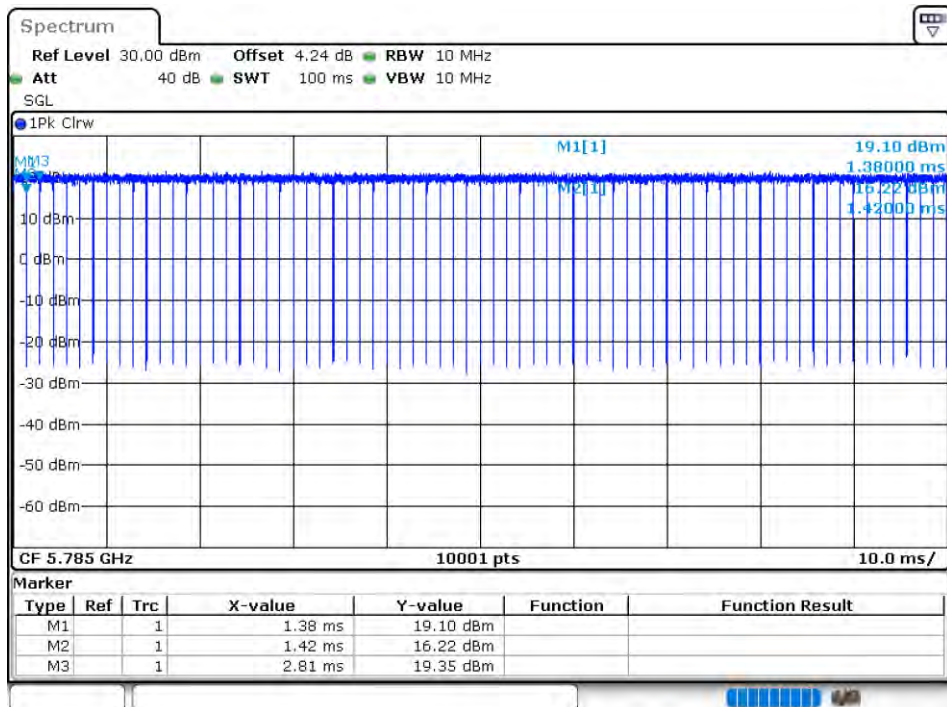
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	98.19	0.08	0.71
NVNT	a	5785	Ant1	98.2	0.08	0.72
NVNT	a	5825	Ant1	98.19	0.08	0.72
NVNT	n20	5745	Ant1	98.06	0.09	0.77
NVNT	n20	5785	Ant1	98.07	0.08	0.77
NVNT	n20	5825	Ant1	98.07	0.08	0.77
NVNT	n40	5755	Ant1	96.35	0.16	1.56
NVNT	n40	5795	Ant1	96.38	0.16	1.54
NVNT	ac20	5745	Ant1	98.09	0.08	0.76
NVNT	ac20	5785	Ant1	98.07	0.08	0.76
NVNT	ac20	5825	Ant1	98.1	0.08	0.76
NVNT	ac40	5755	Ant1	96.35	0.16	1.52
NVNT	ac40	5795	Ant1	96.35	0.16	1.52
NVNT	ac80	5775	Ant1	93.16	0.31	3.13

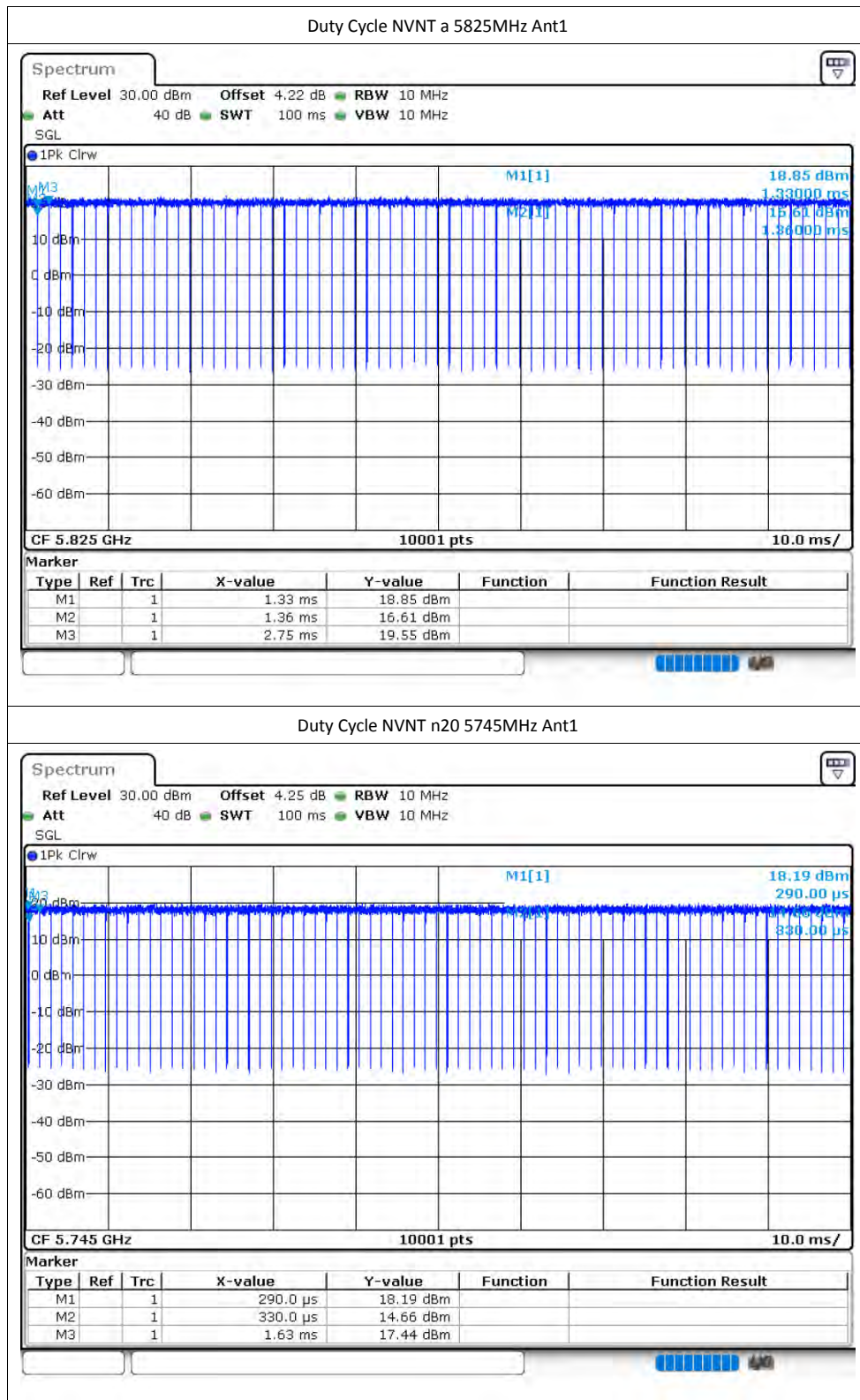
Test Graphs

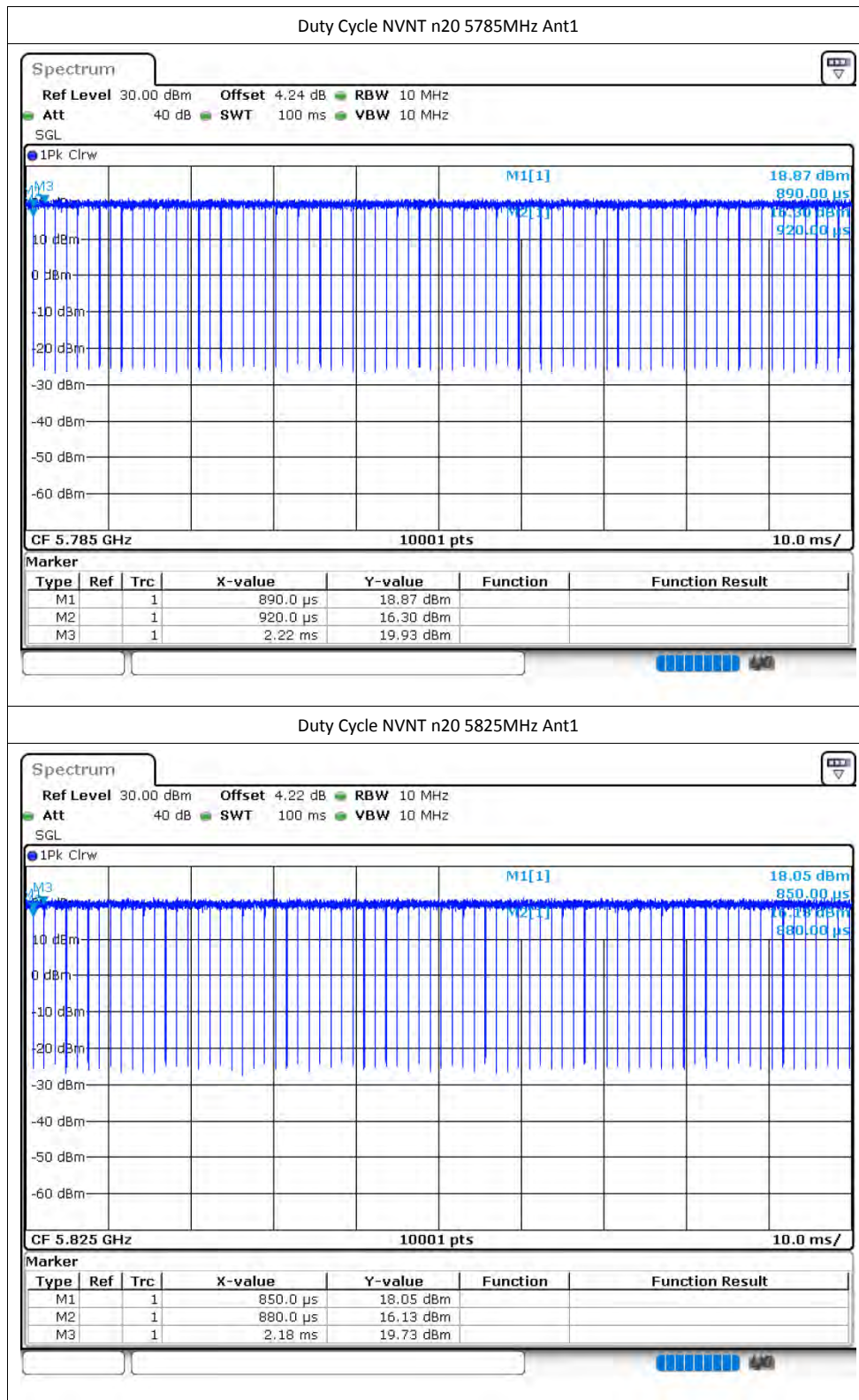
Duty Cycle NVNT a 5745MHz Ant1



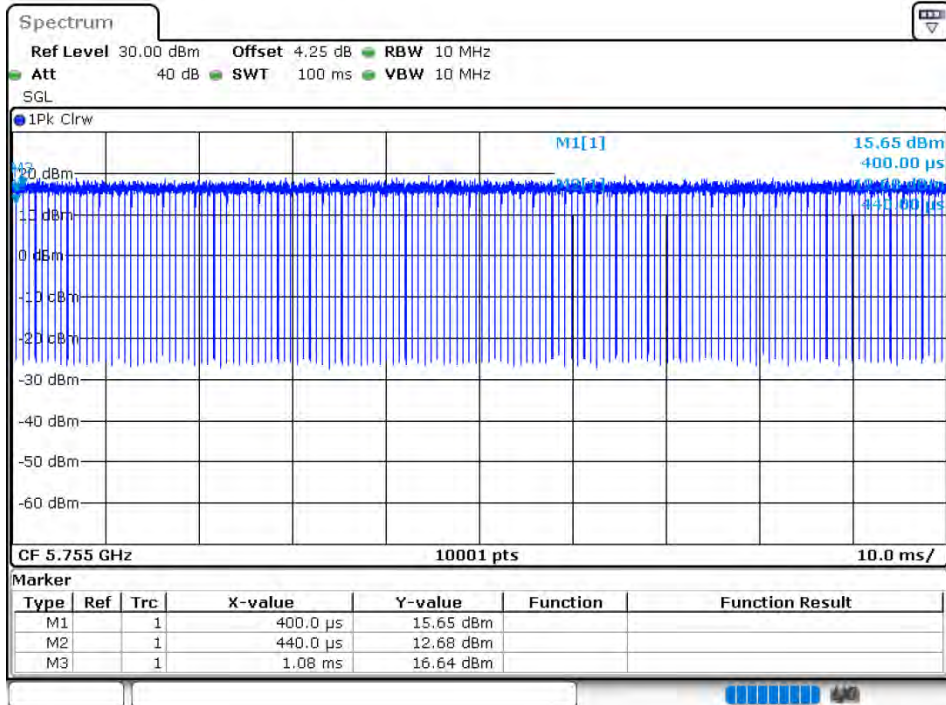
Duty Cycle NVNT a 5785MHz Ant1



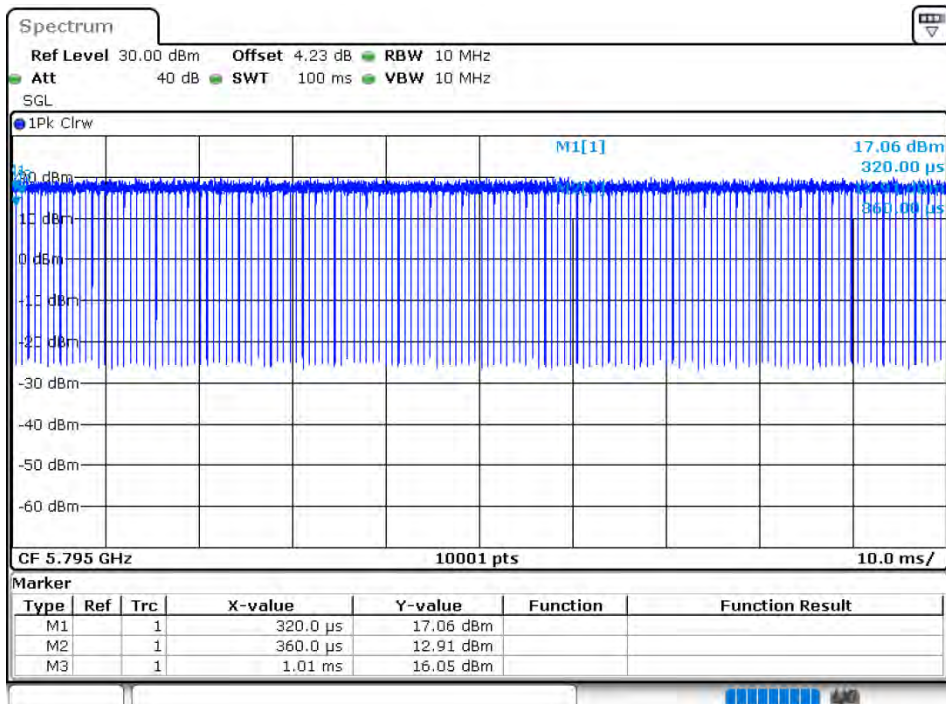


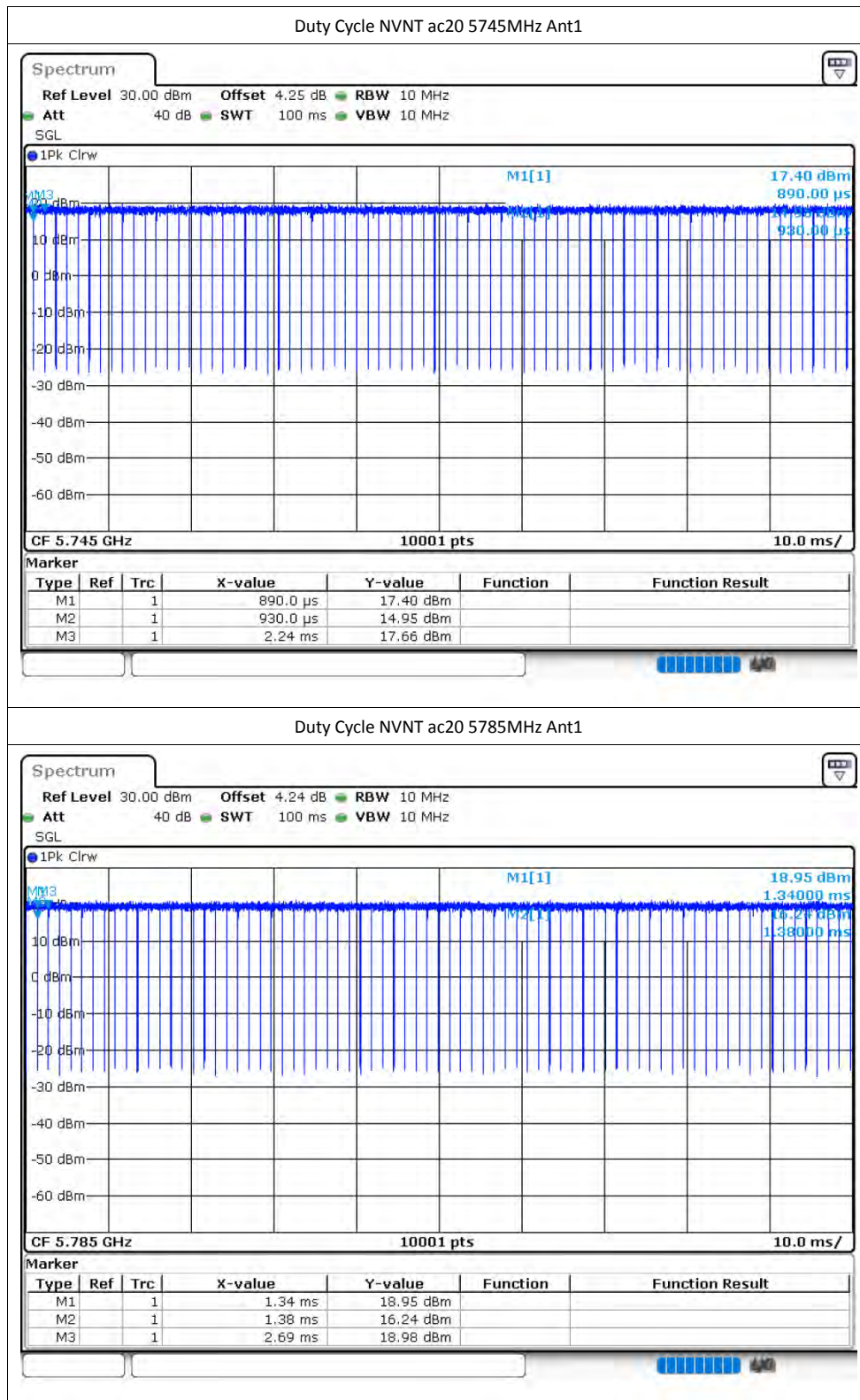


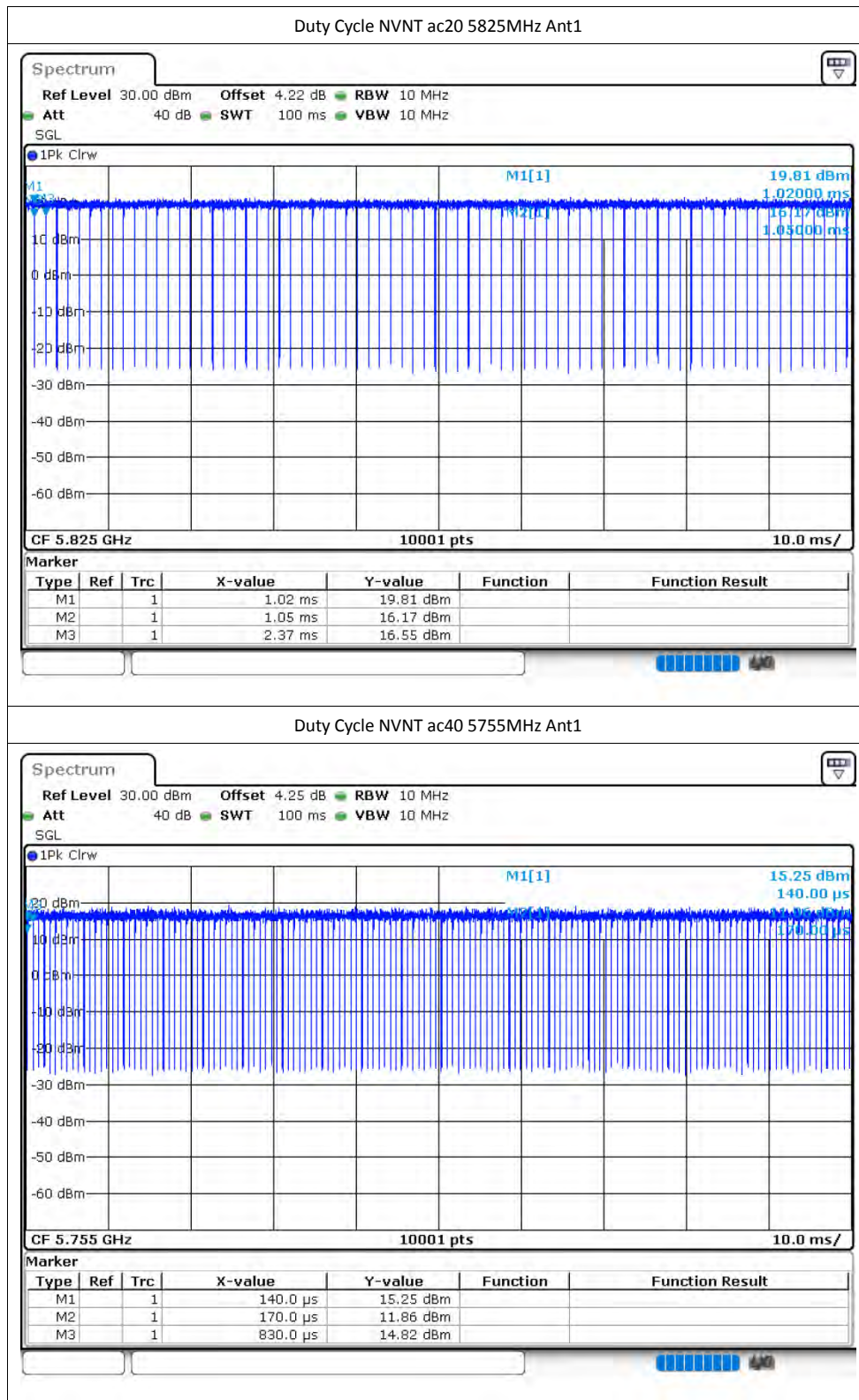
Duty Cycle NVNT n40 5755MHz Ant1

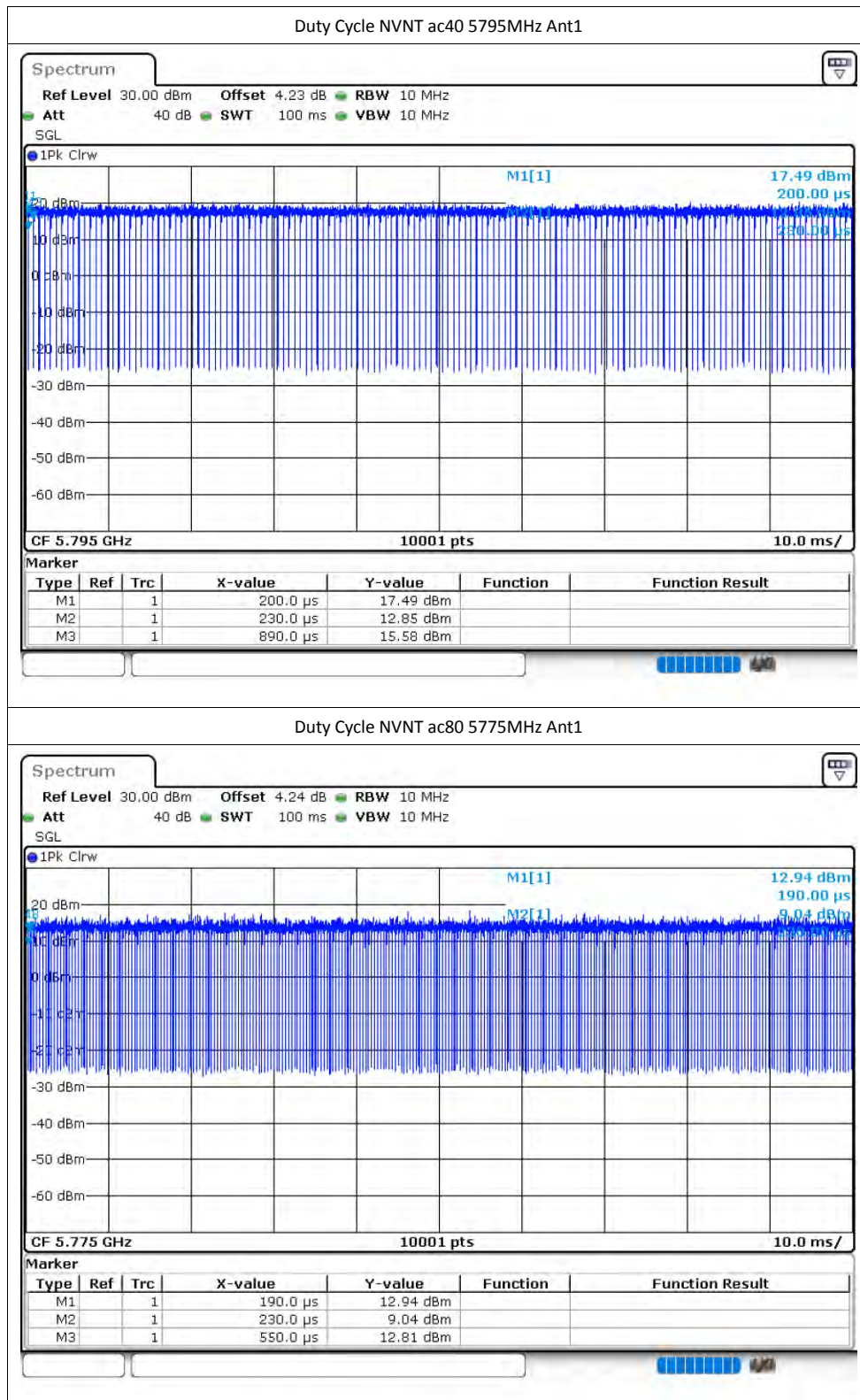


Duty Cycle NVNT n40 5795MHz Ant1









Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	14.46	30	Pass
NVNT	a	5785	Ant1	15.21	30	Pass
NVNT	a	5825	Ant1	15.8	30	Pass
NVNT	n20	5745	Ant1	14.42	30	Pass
NVNT	n20	5785	Ant1	15.13	30	Pass
NVNT	n20	5825	Ant1	15.15	30	Pass
NVNT	n40	5755	Ant1	14.5	30	Pass
NVNT	n40	5795	Ant1	15.24	30	Pass
NVNT	ac20	5745	Ant1	14.04	30	Pass
NVNT	ac20	5785	Ant1	15.15	30	Pass
NVNT	ac20	5825	Ant1	15.07	30	Pass
NVNT	ac40	5755	Ant1	14.12	30	Pass
NVNT	ac40	5795	Ant1	15.33	30	Pass
NVNT	ac80	5775	Ant1	14.61	30	Pass

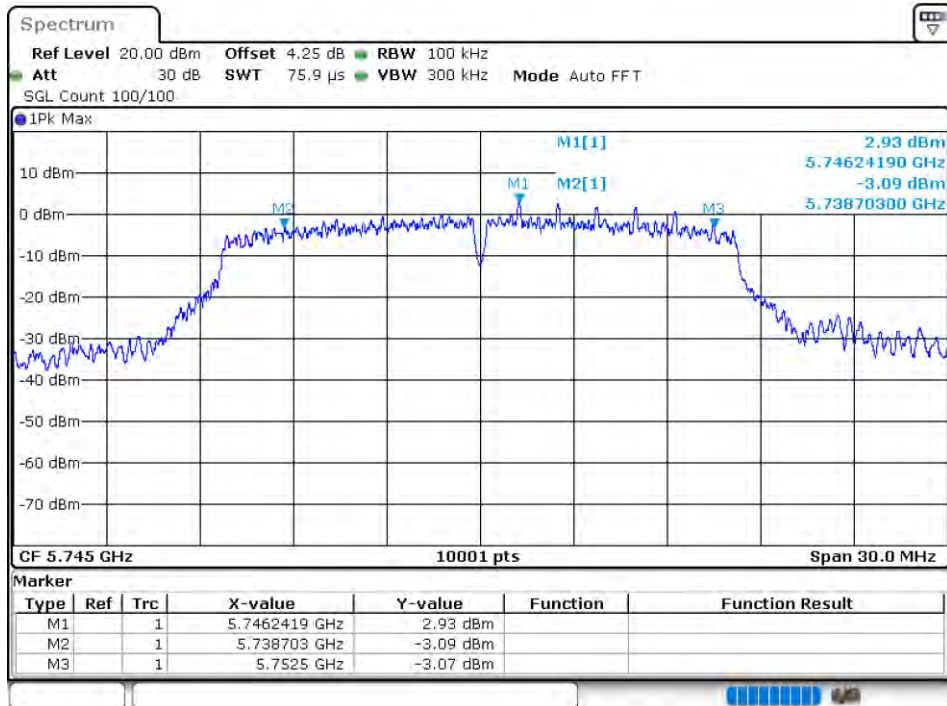
Note: The average power value already includes the duty cycle factor

-6dB Bandwidth

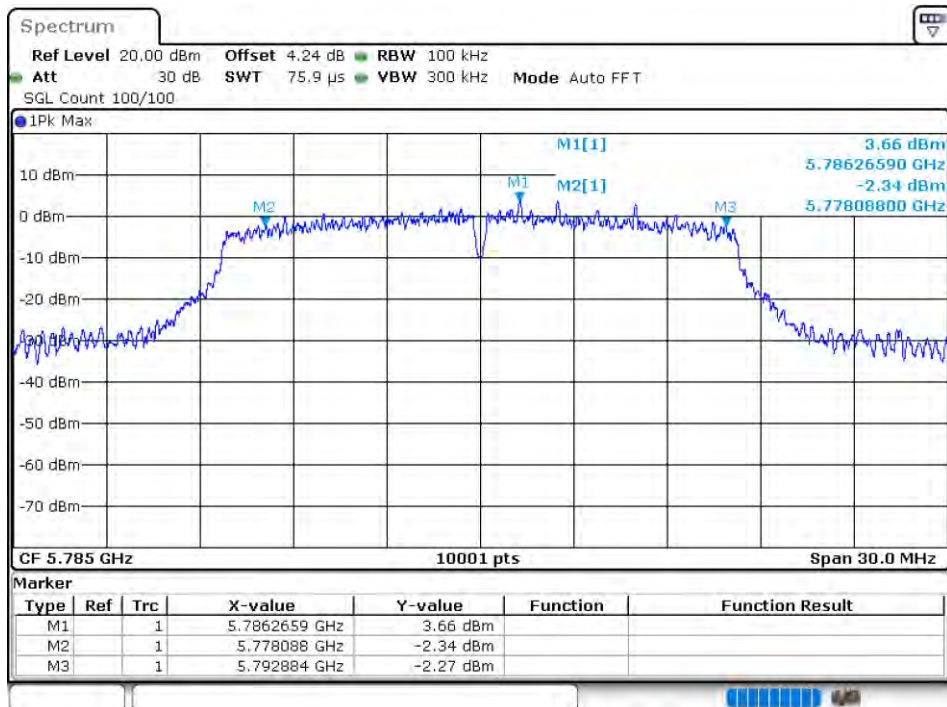
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	13.797	0.5	Pass
NVNT	a	5785	Ant1	14.796	0.5	Pass
NVNT	a	5825	Ant1	16.323	0.5	Pass
NVNT	n20	5745	Ant1	13.851	0.5	Pass
NVNT	n20	5785	Ant1	14.181	0.5	Pass
NVNT	n20	5825	Ant1	17.577	0.5	Pass
NVNT	n40	5755	Ant1	31.338	0.5	Pass
NVNT	n40	5795	Ant1	35.082	0.5	Pass
NVNT	ac20	5745	Ant1	16.917	0.5	Pass
NVNT	ac20	5785	Ant1	12.135	0.5	Pass
NVNT	ac20	5825	Ant1	13.182	0.5	Pass
NVNT	ac40	5755	Ant1	33.84	0.5	Pass
NVNT	ac40	5795	Ant1	30.018	0.5	Pass
NVNT	ac80	5775	Ant1	71.316	0.5	Pass

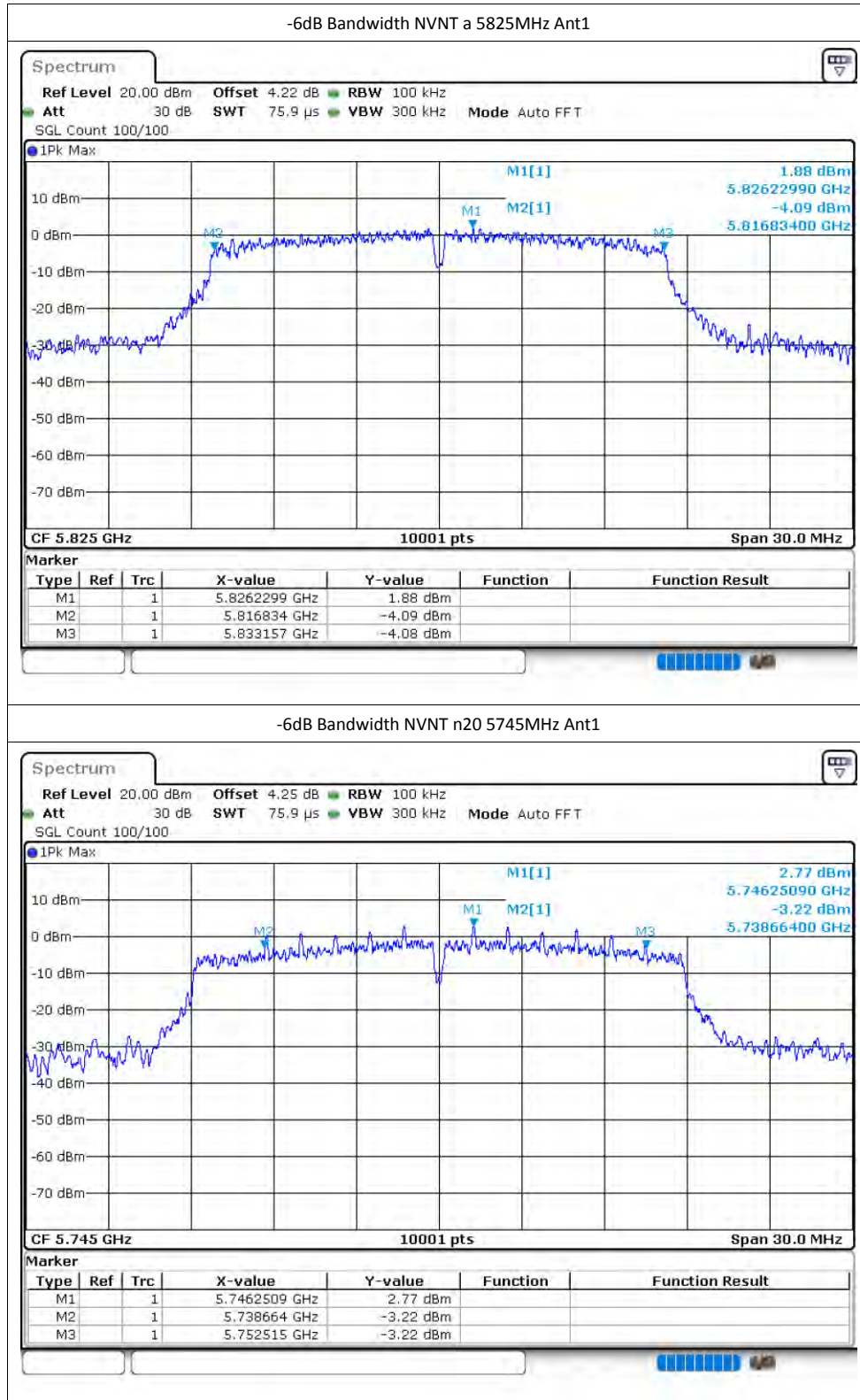
Test Graphs

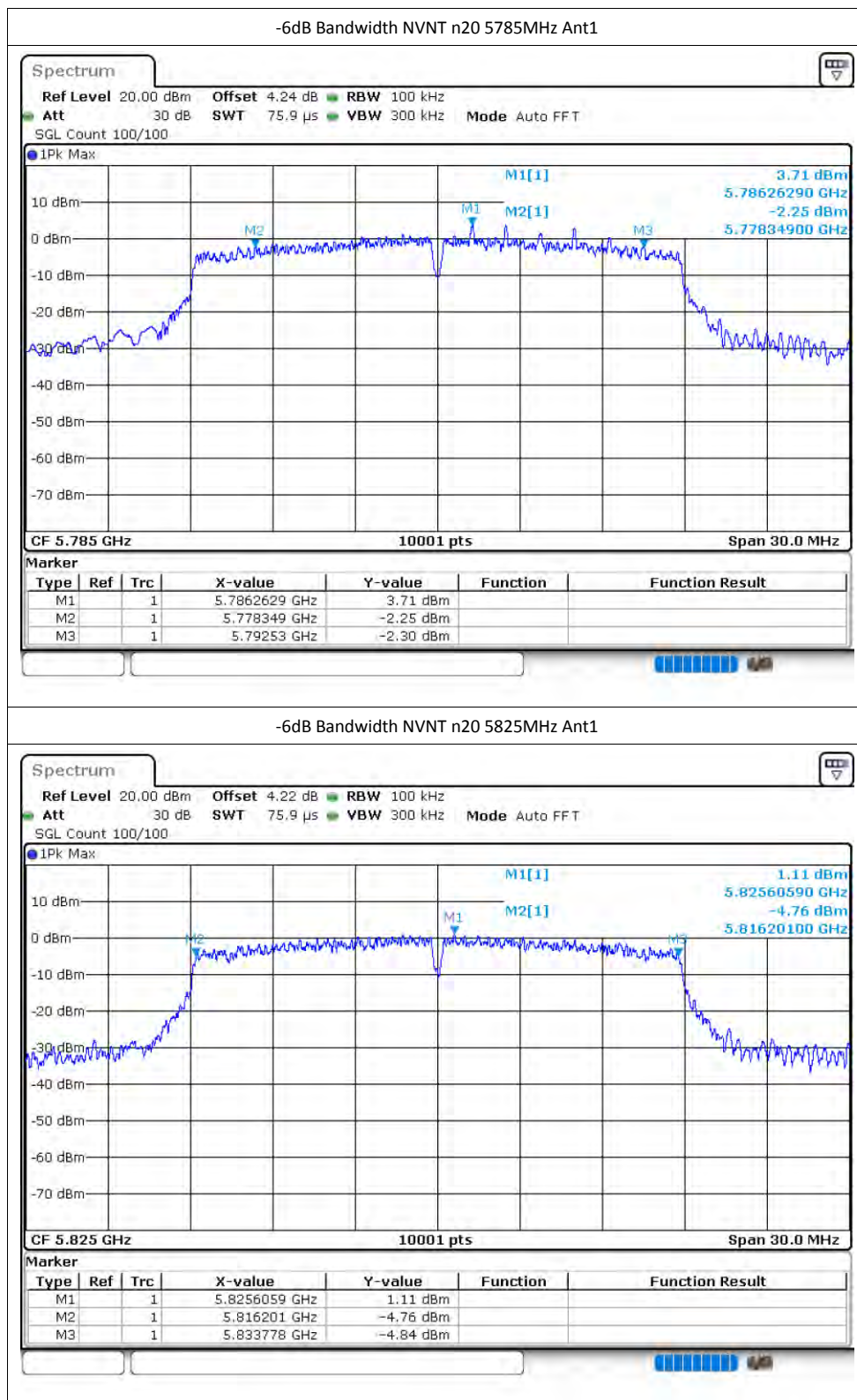
-6dB Bandwidth NVNT a 5745MHz Ant1

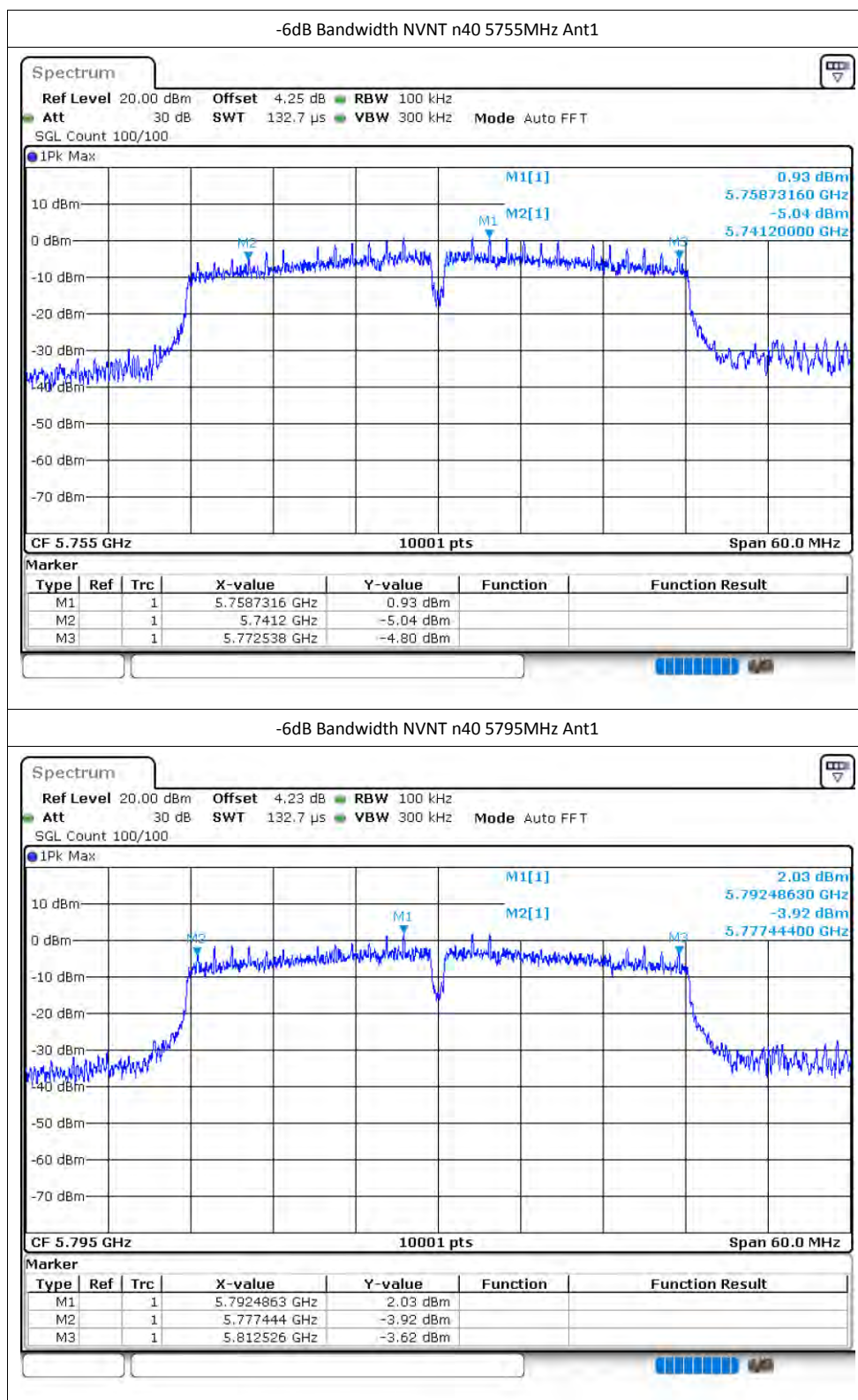


-6dB Bandwidth NVNT a 5785MHz Ant1

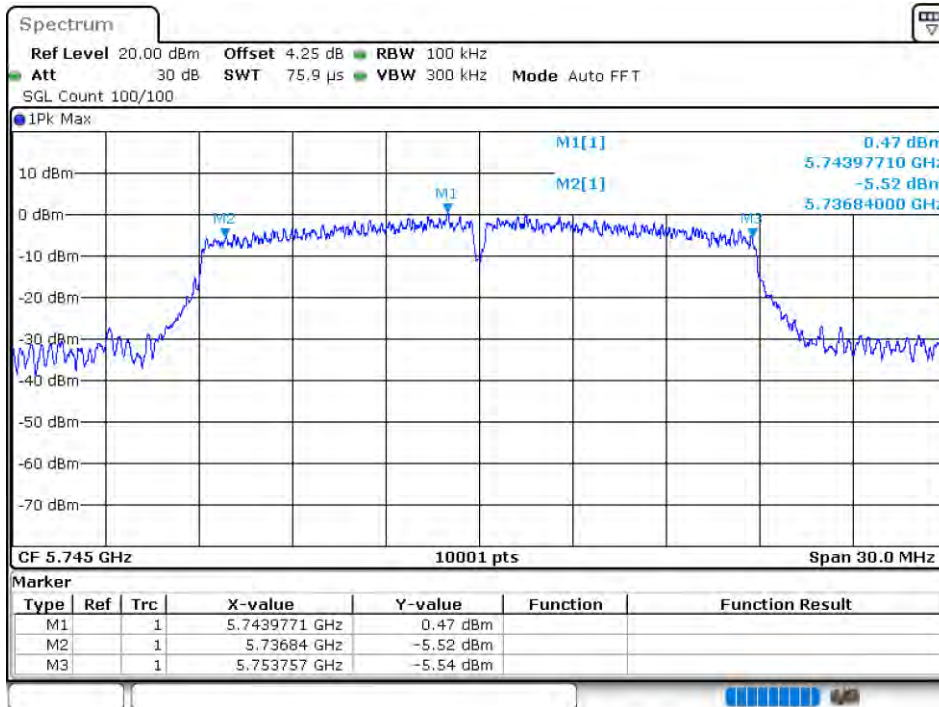




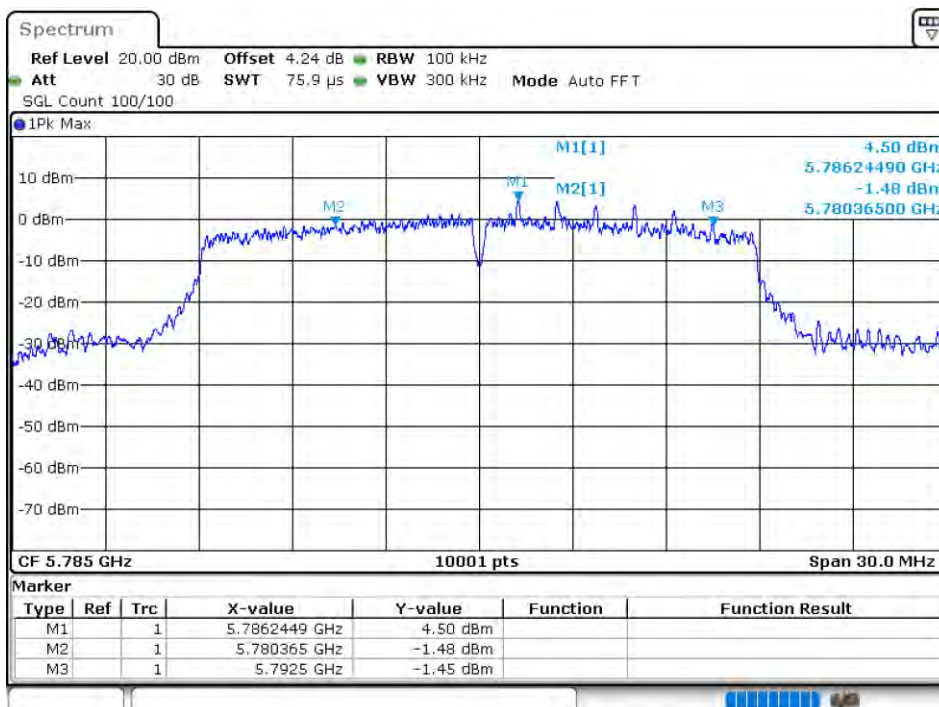


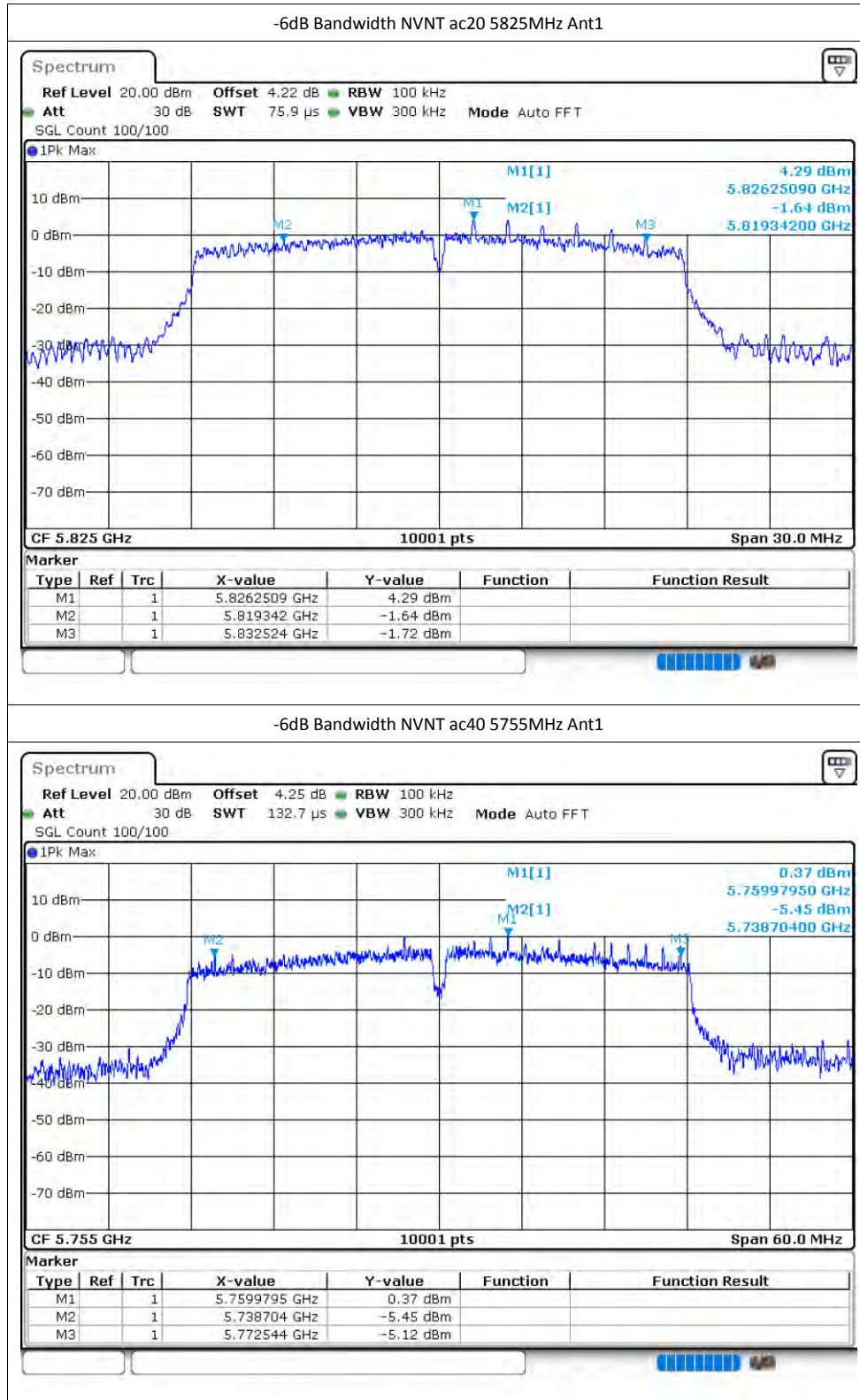


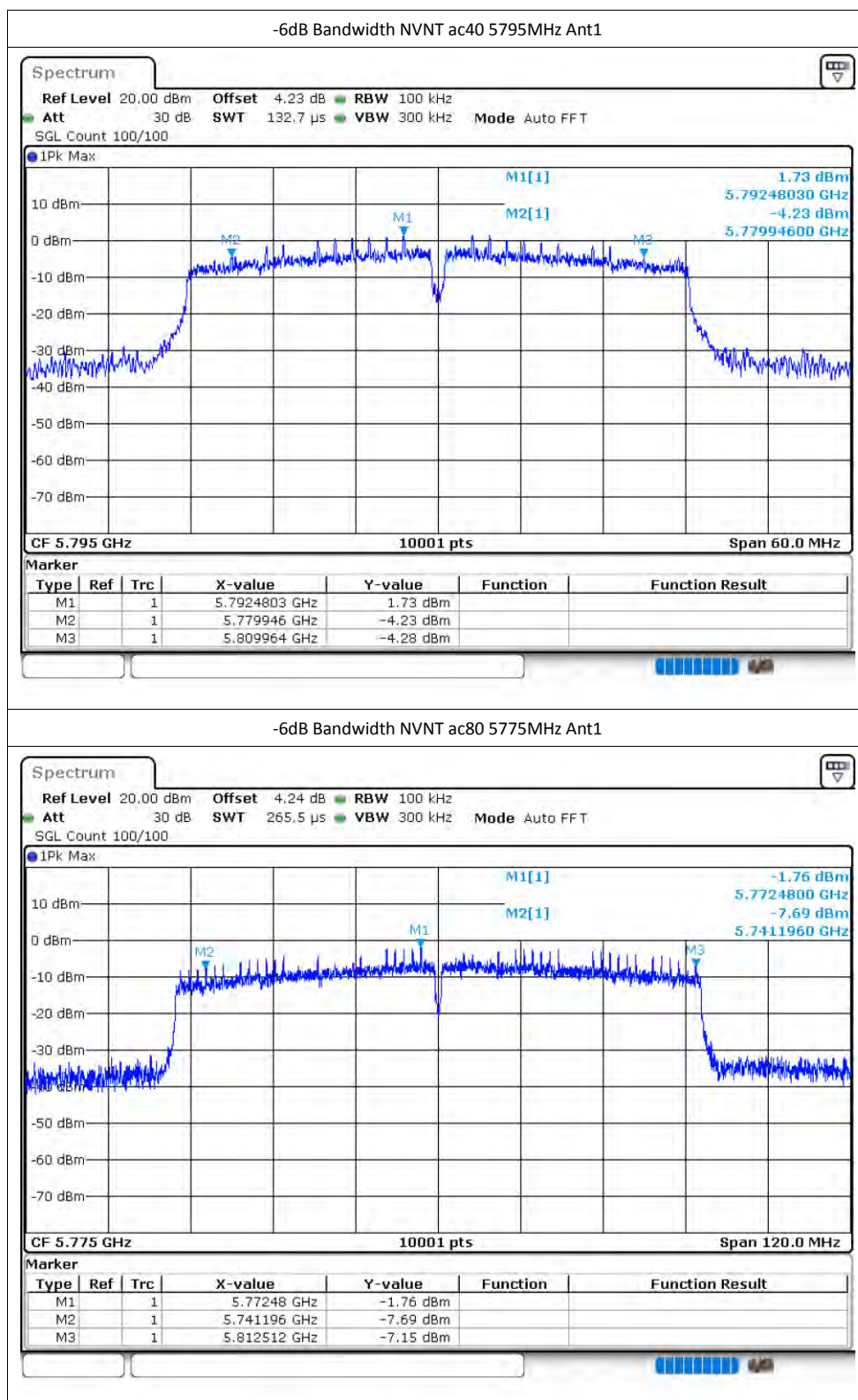
-6dB Bandwidth NVNT ac20 5745MHz Ant1



-6dB Bandwidth NVNT ac20 5785MHz Ant1







Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.621
NVNT	a	5785	Ant1	16.441
NVNT	a	5825	Ant1	16.612
NVNT	n20	5745	Ant1	17.533
NVNT	n20	5785	Ant1	17.608
NVNT	n20	5825	Ant1	17.536
NVNT	n40	5755	Ant1	36.098
NVNT	n40	5795	Ant1	36.164
NVNT	ac20	5745	Ant1	17.575
NVNT	ac20	5785	Ant1	17.566
NVNT	ac20	5825	Ant1	17.605
NVNT	ac40	5755	Ant1	36.11
NVNT	ac40	5795	Ant1	36.092
NVNT	ac80	5775	Ant1	75.1

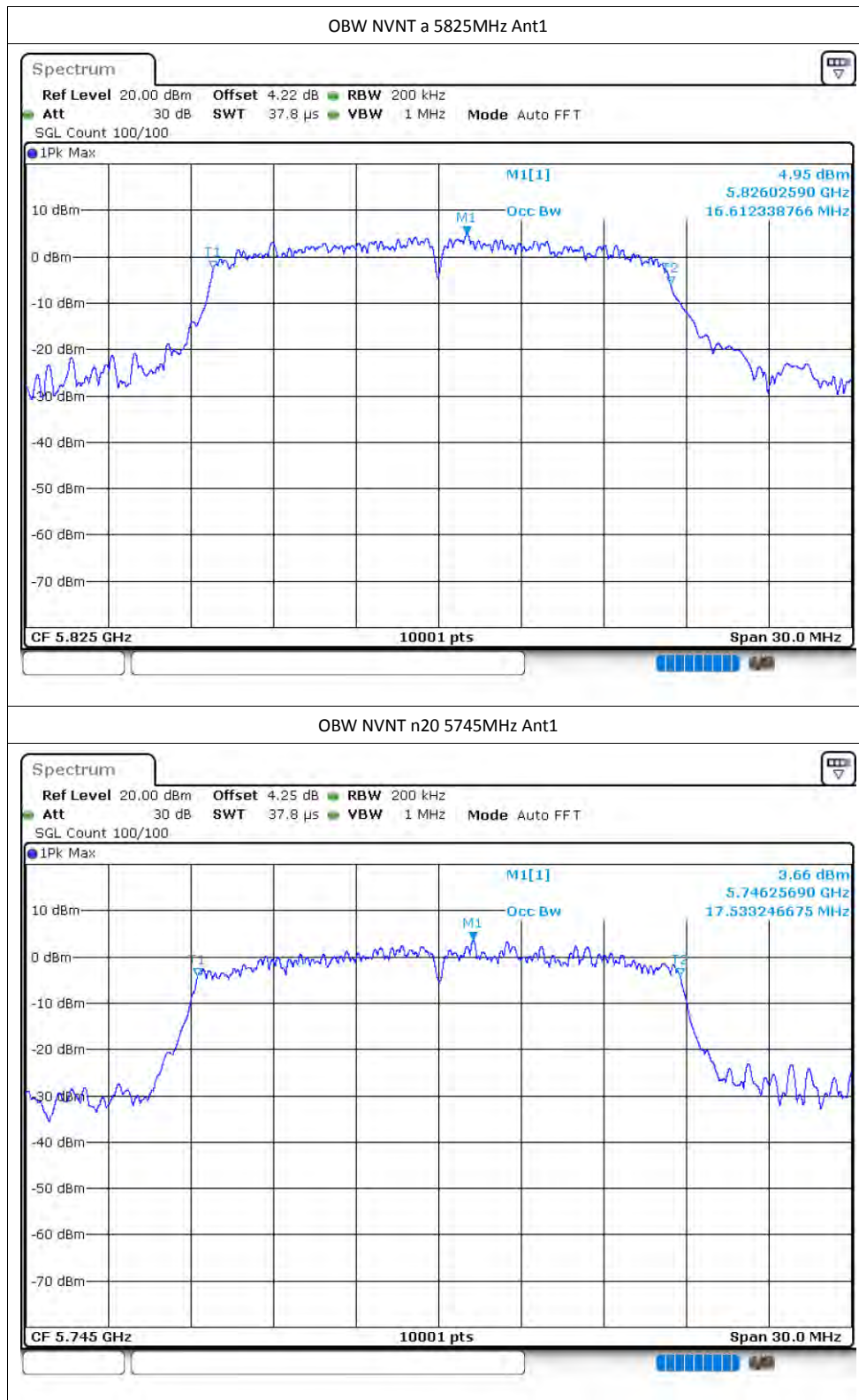
Test Graphs

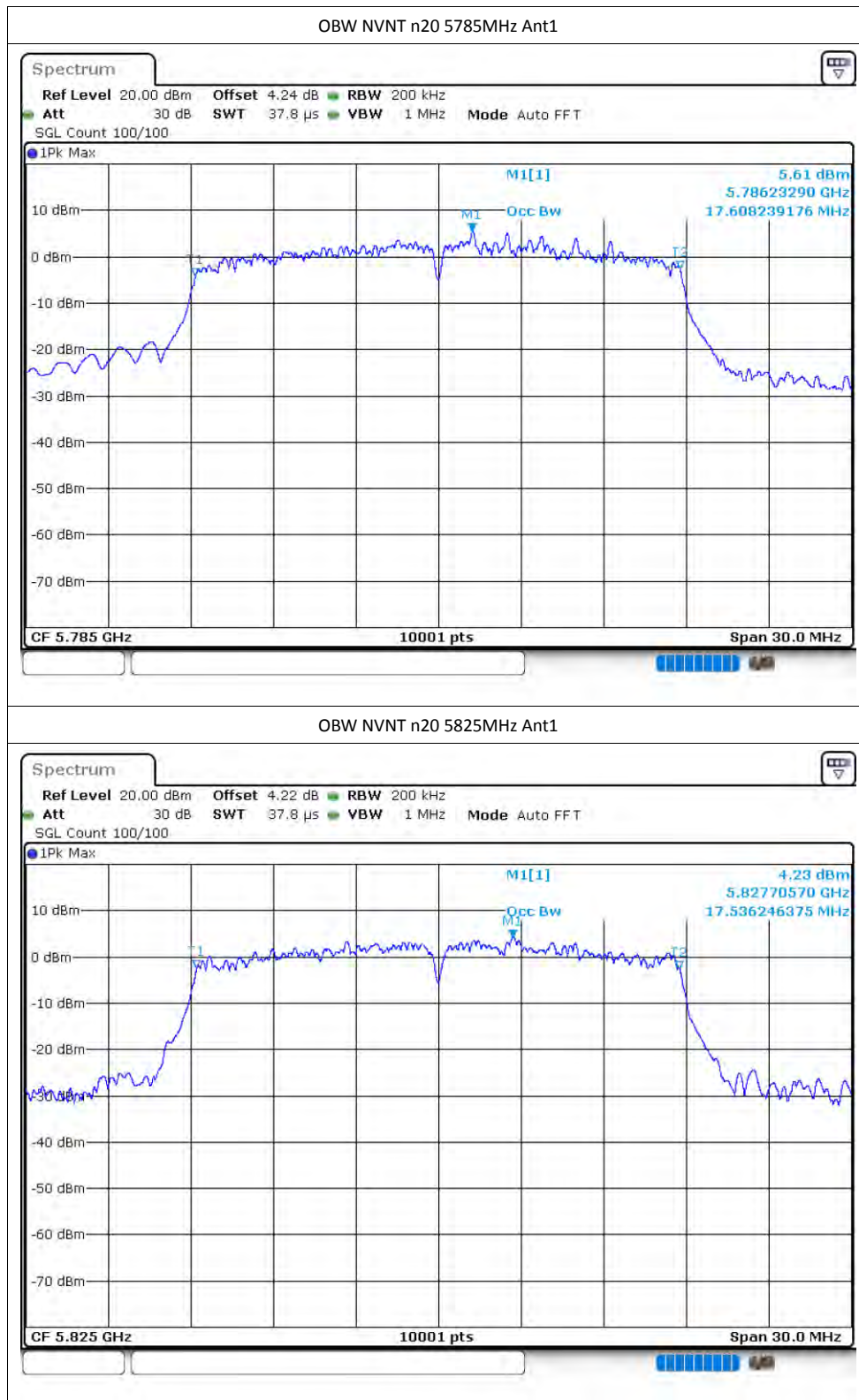
OBW NVNT a 5745MHz Ant1

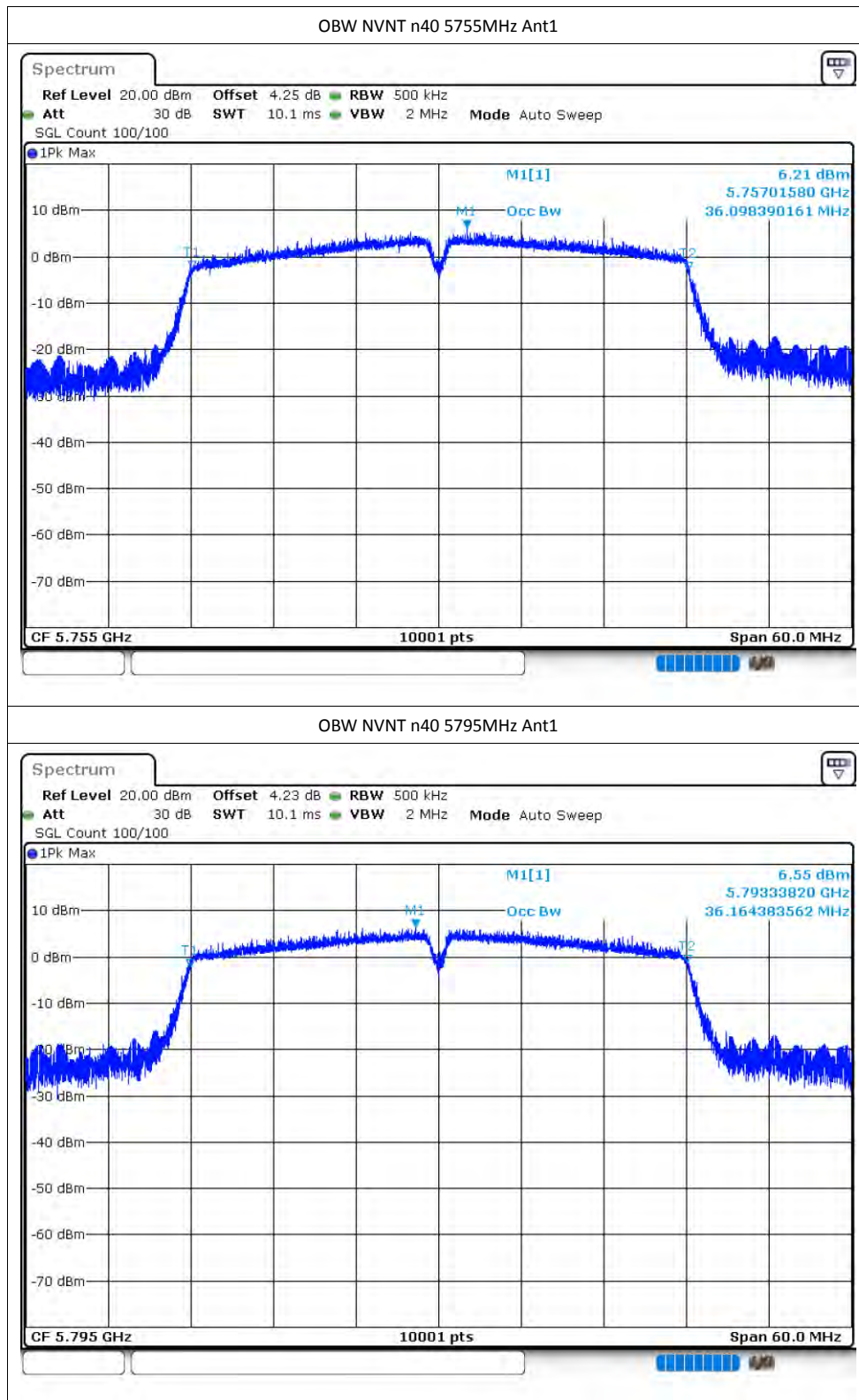


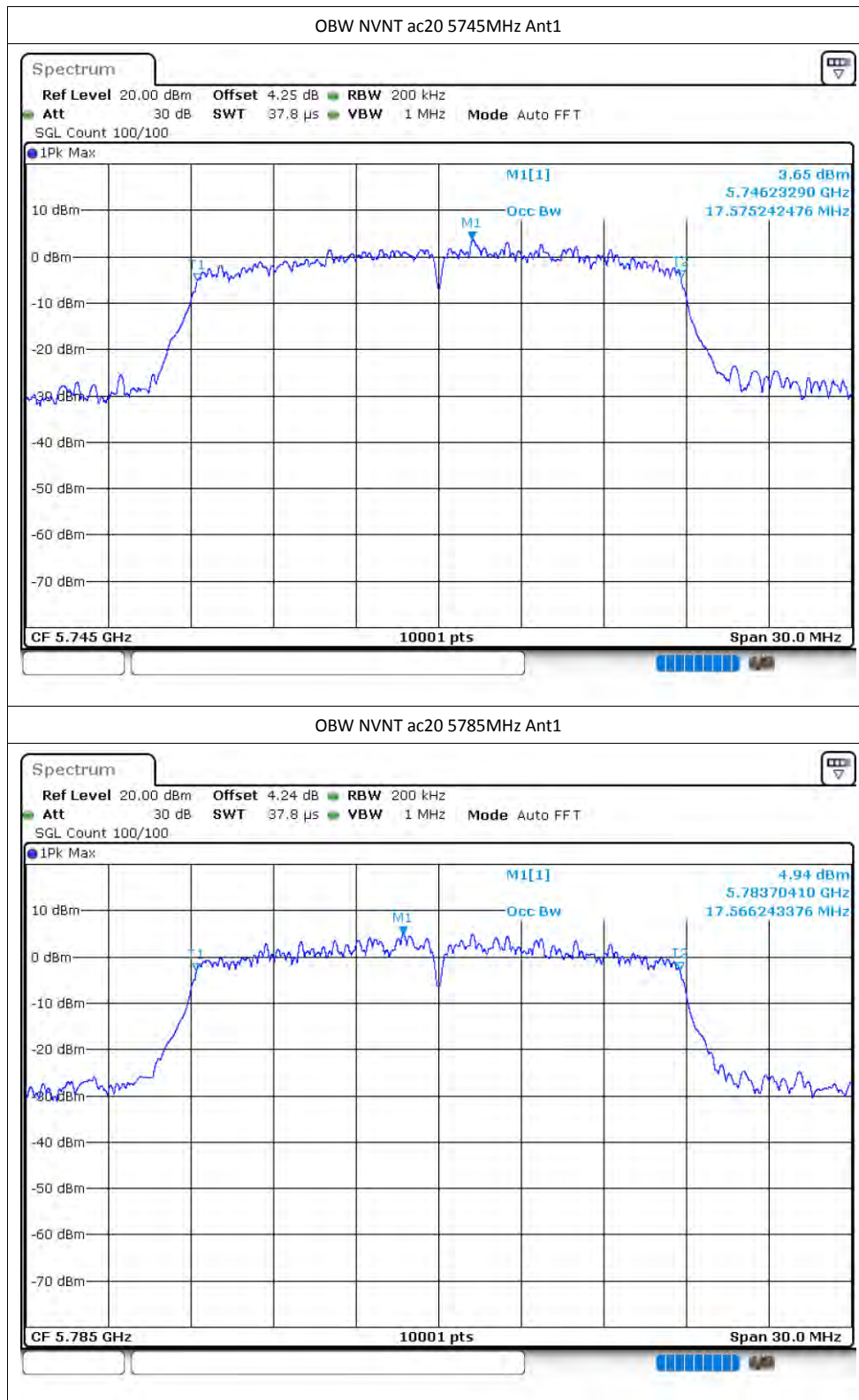
OBW NVNT a 5785MHz Ant1

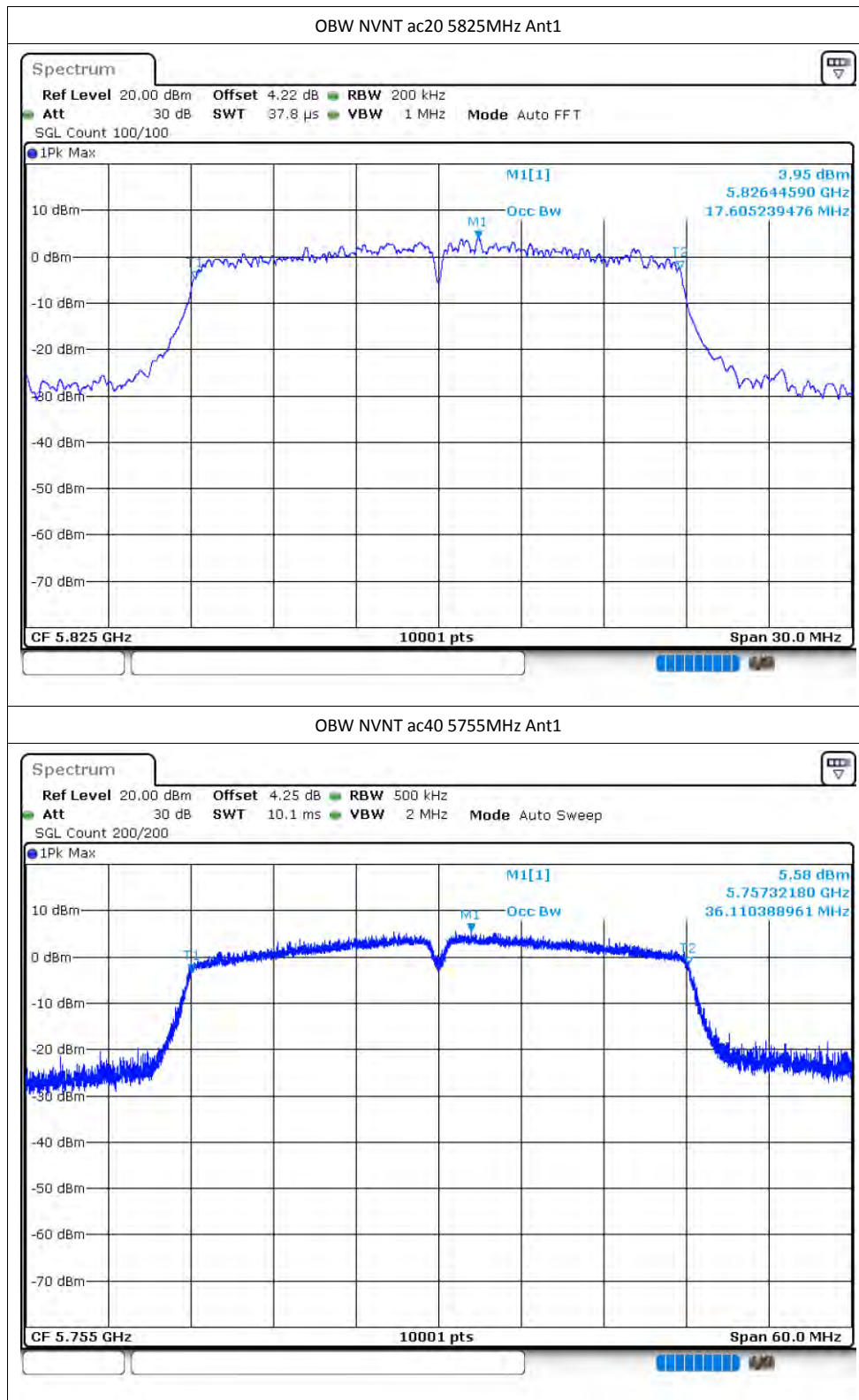


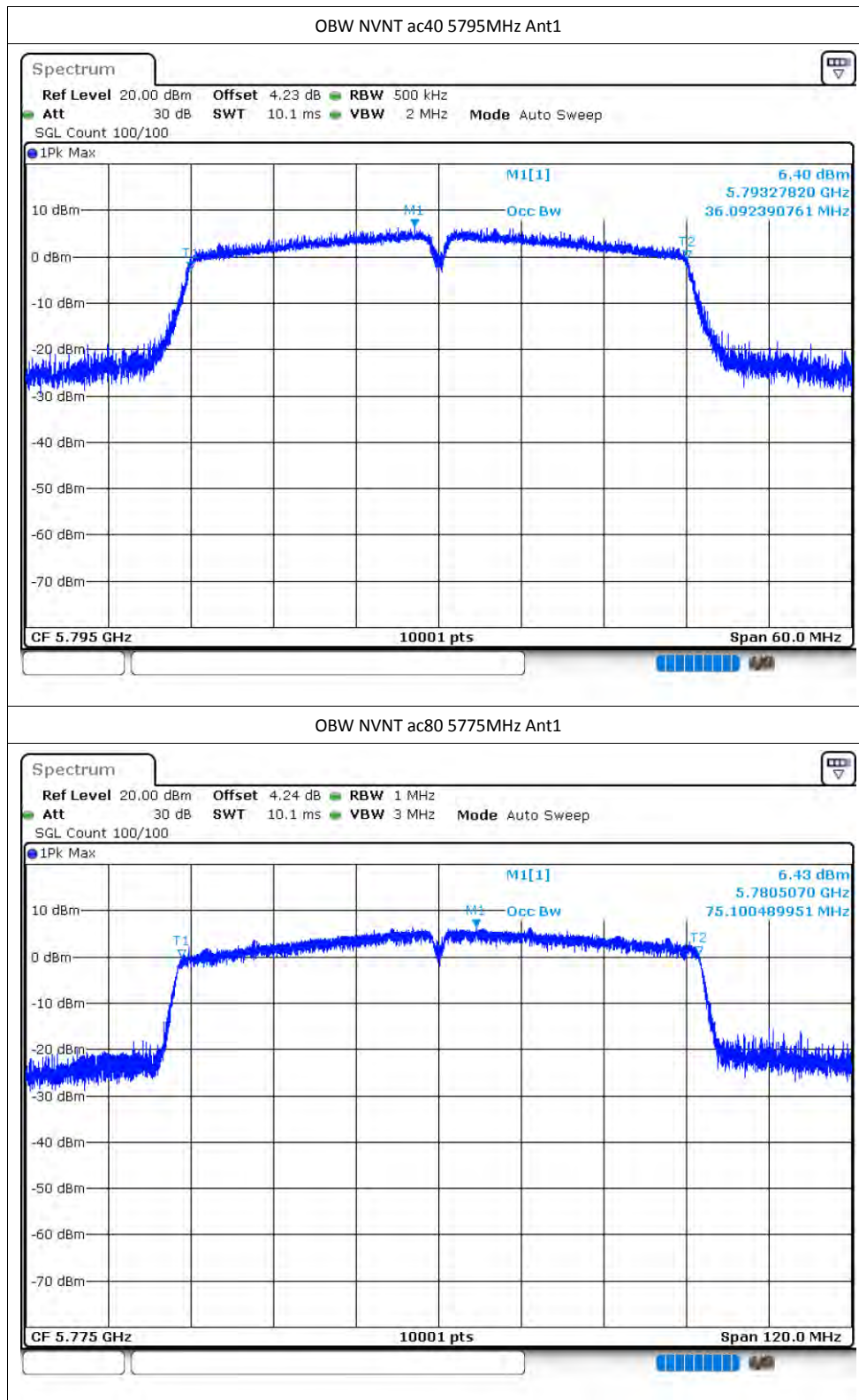










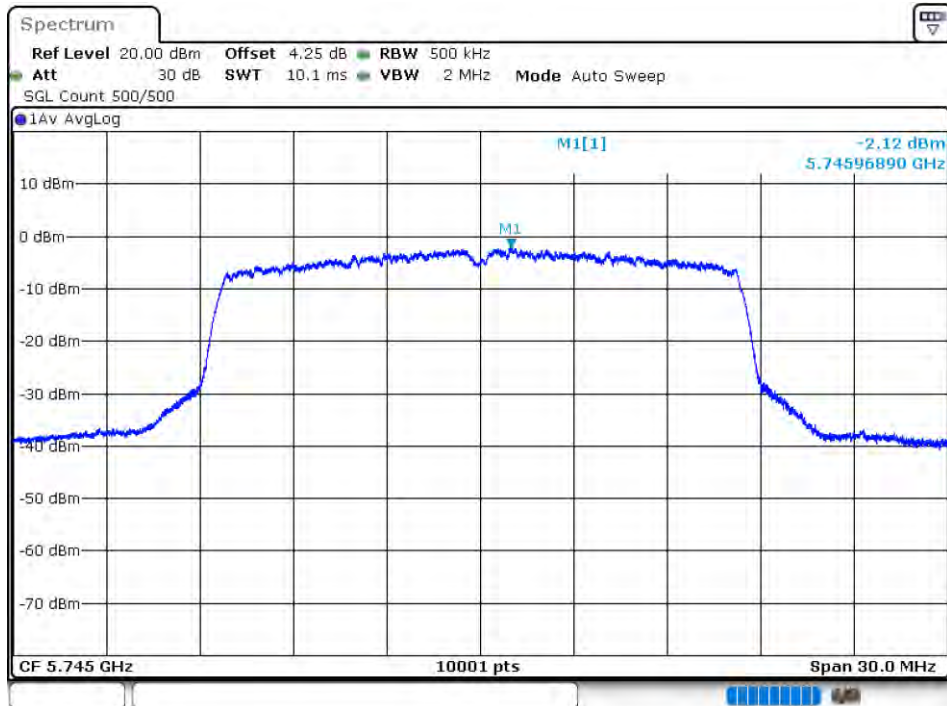


Maximum Power Spectral Density Level

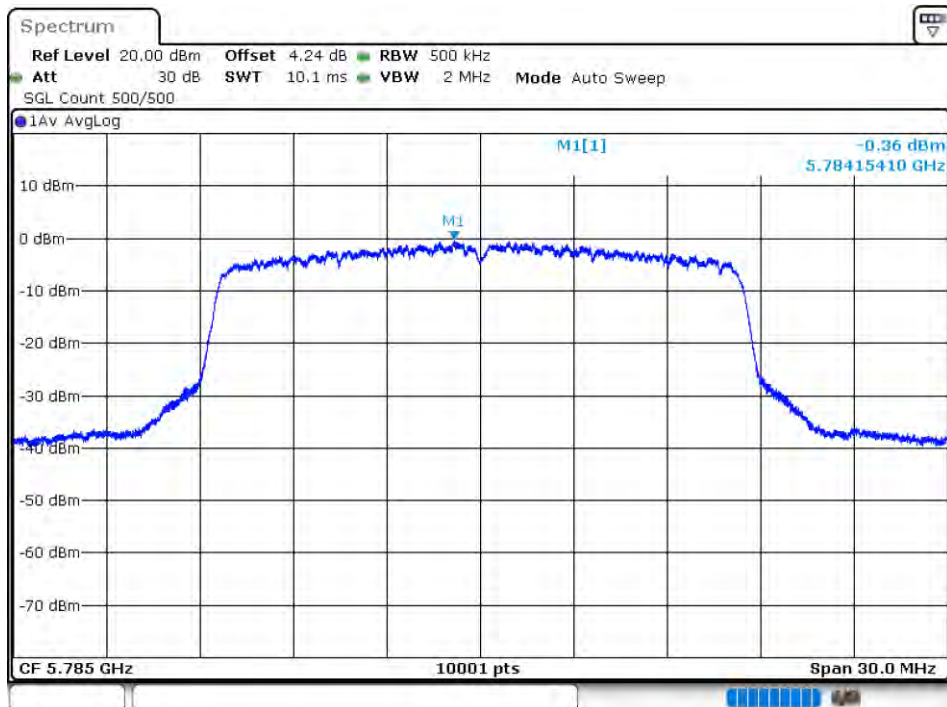
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-2.12	0.08	-2.04	30	Pass
NVNT	a	5785	Ant1	-0.36	0.08	-0.28	30	Pass
NVNT	a	5825	Ant1	-0.31	0.08	-0.23	30	Pass
NVNT	n20	5745	Ant1	-2.55	0.09	-2.46	30	Pass
NVNT	n20	5785	Ant1	-1.26	0.08	-1.18	30	Pass
NVNT	n20	5825	Ant1	-0.91	0.08	-0.83	30	Pass
NVNT	n40	5755	Ant1	-5.31	0.16	-5.15	30	Pass
NVNT	n40	5795	Ant1	-4	0.16	-3.84	30	Pass
NVNT	ac20	5745	Ant1	-2.79	0.08	-2.71	30	Pass
NVNT	ac20	5785	Ant1	-0.91	0.08	-0.83	30	Pass
NVNT	ac20	5825	Ant1	-1.1	0.08	-1.02	30	Pass
NVNT	ac40	5755	Ant1	-6.11	0.16	-5.95	30	Pass
NVNT	ac40	5795	Ant1	-4.91	0.16	-4.75	30	Pass
NVNT	ac80	5775	Ant1	-10.59	0.31	-10.28	30	Pass

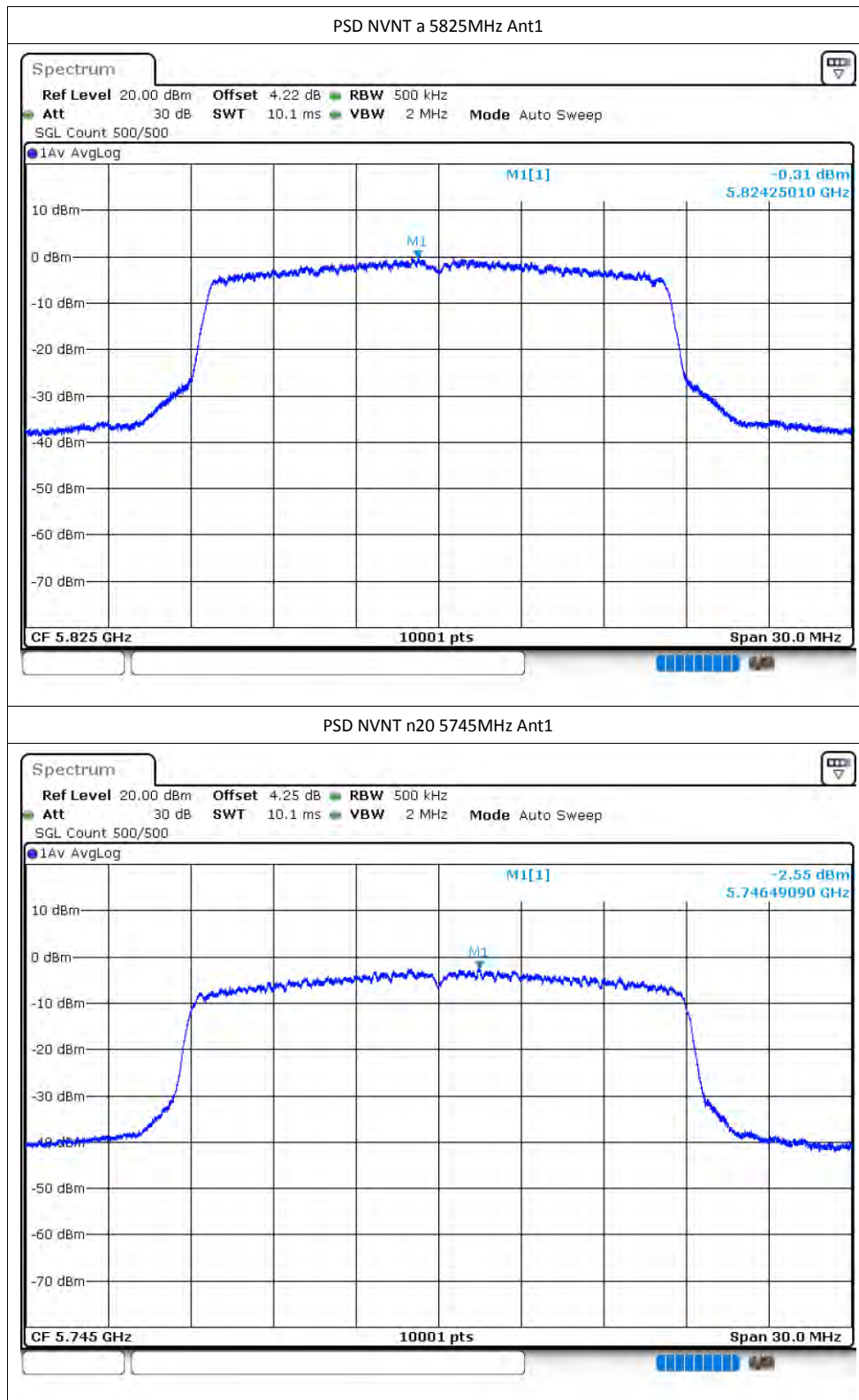
Test Graphs

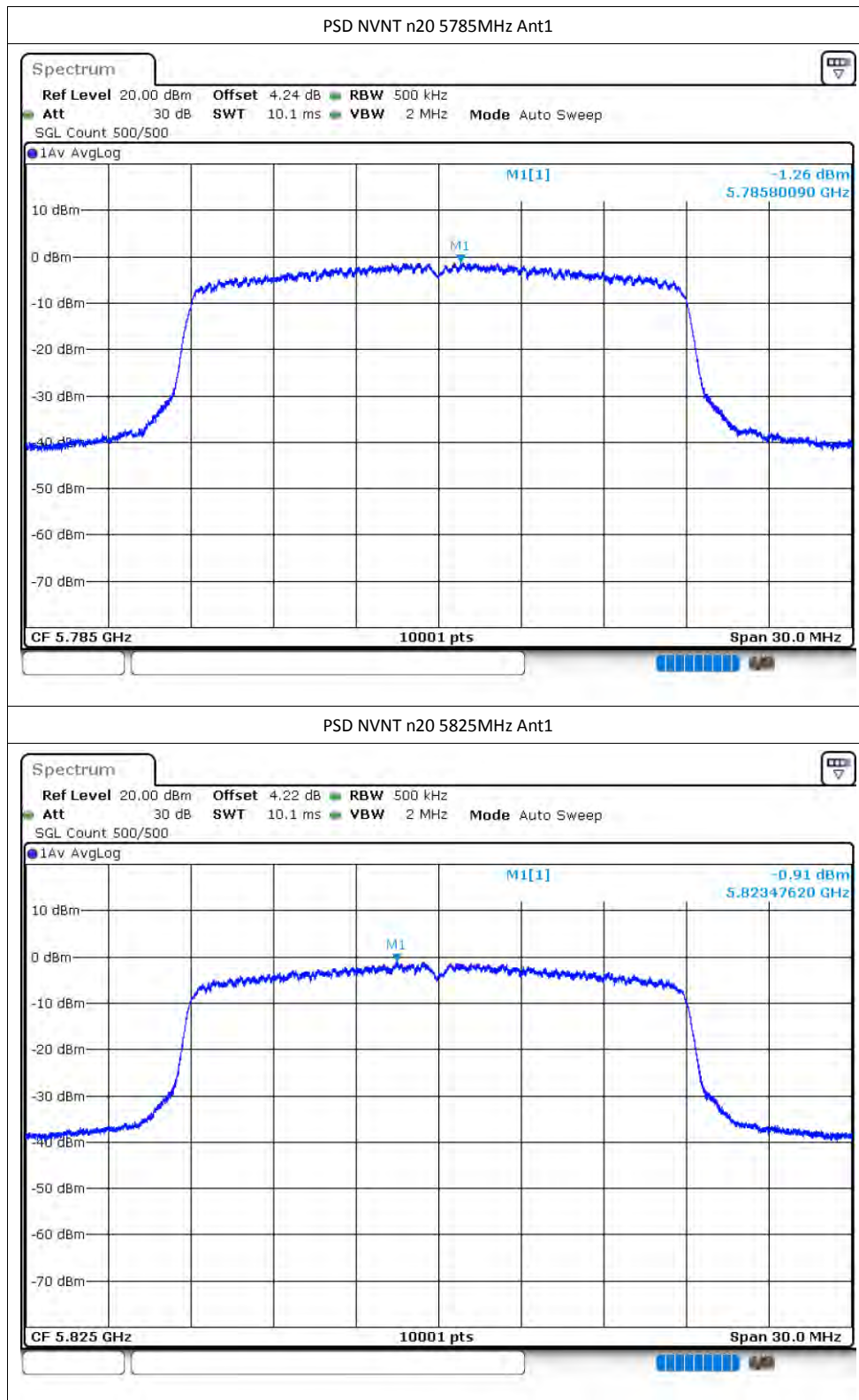
PSD NVNT a 5745MHz Ant1

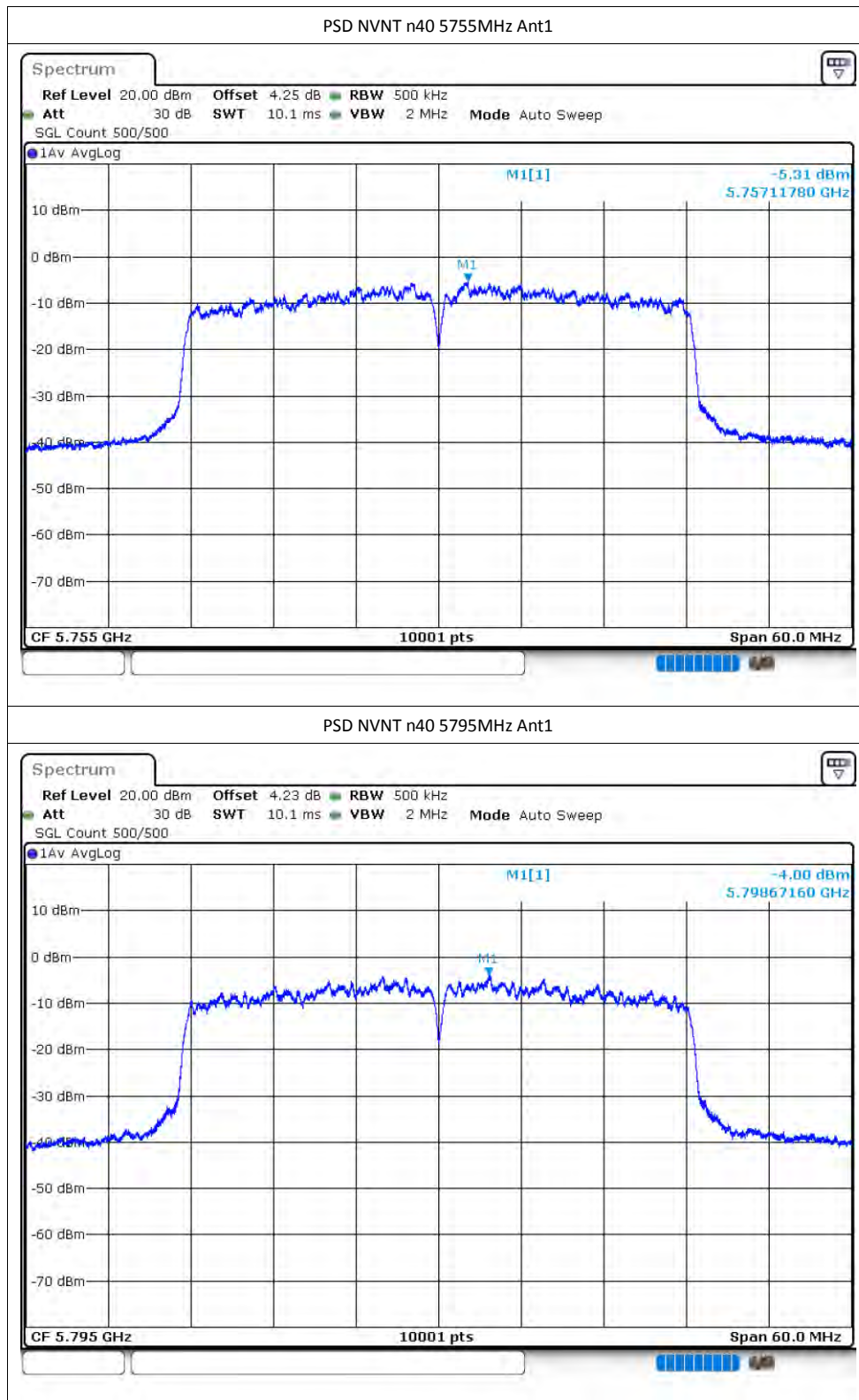


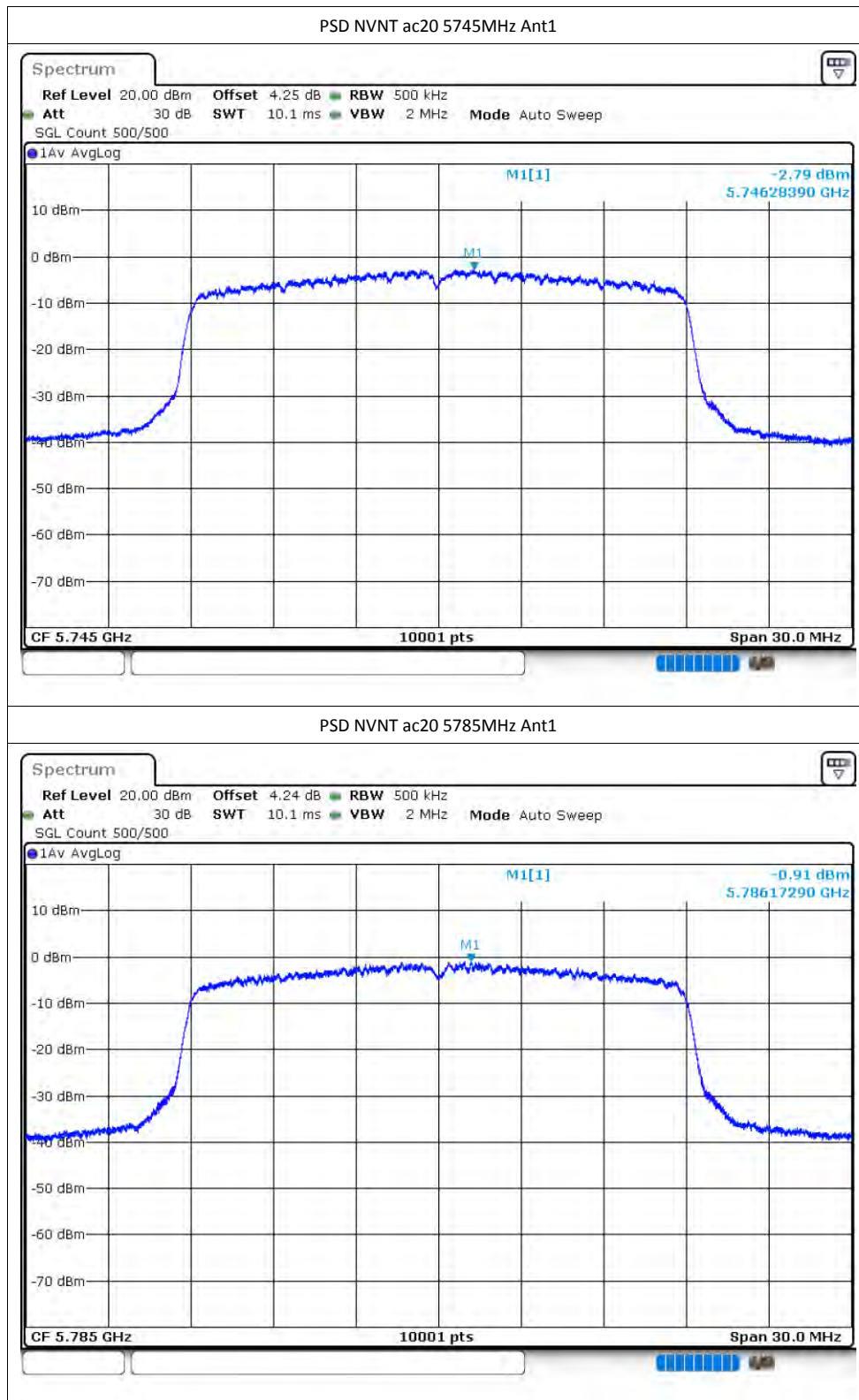
PSD NVNT a 5785MHz Ant1

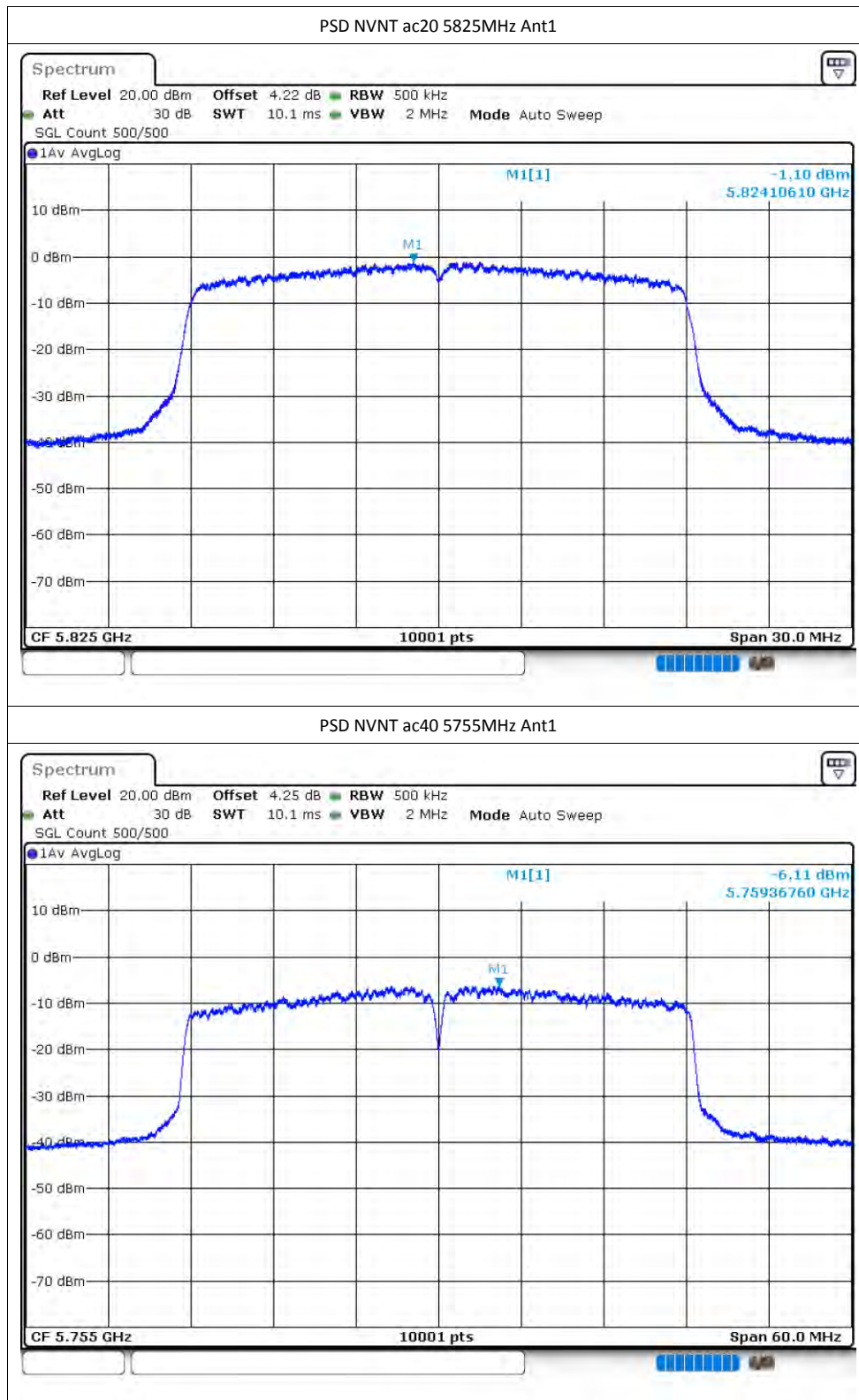


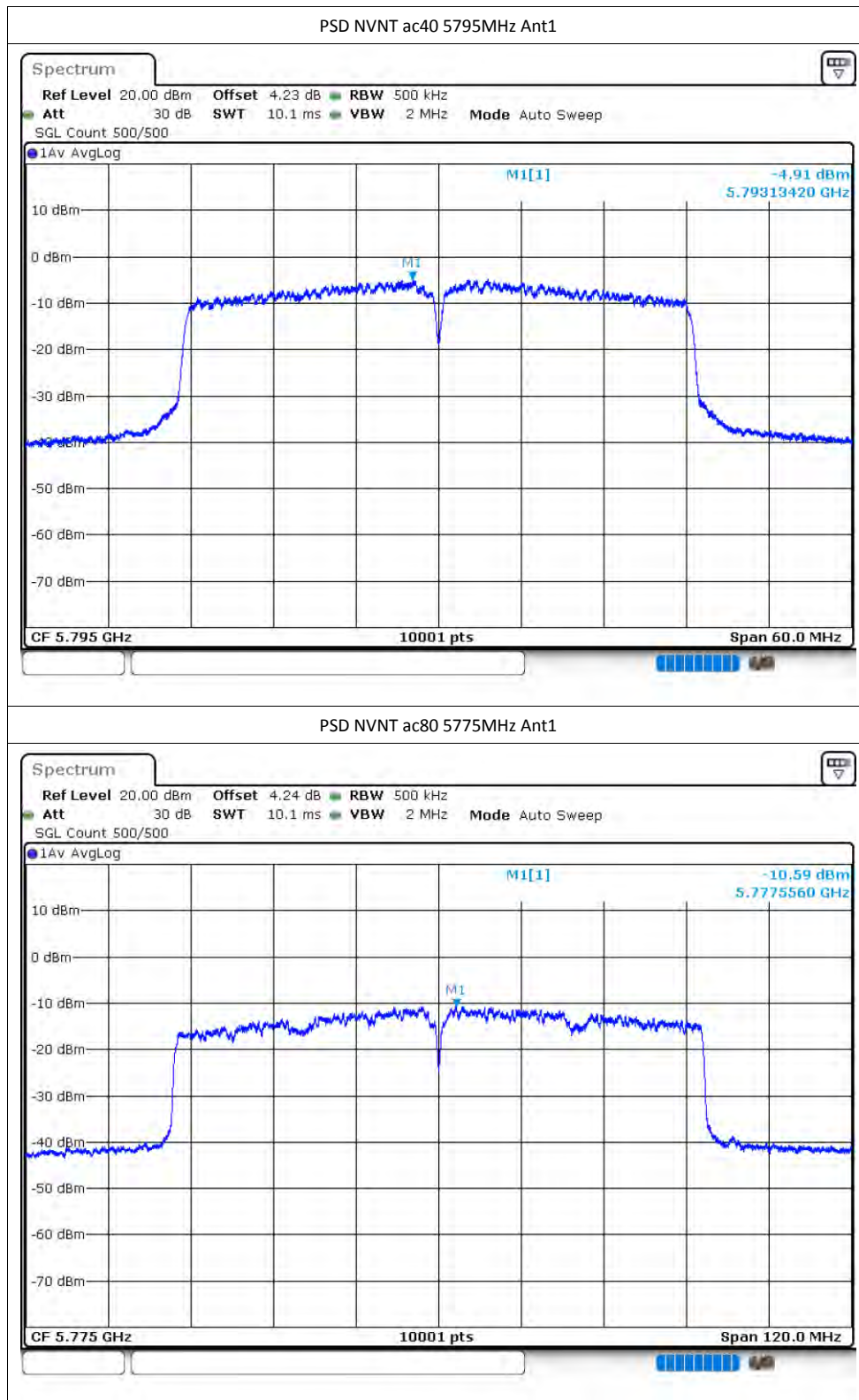












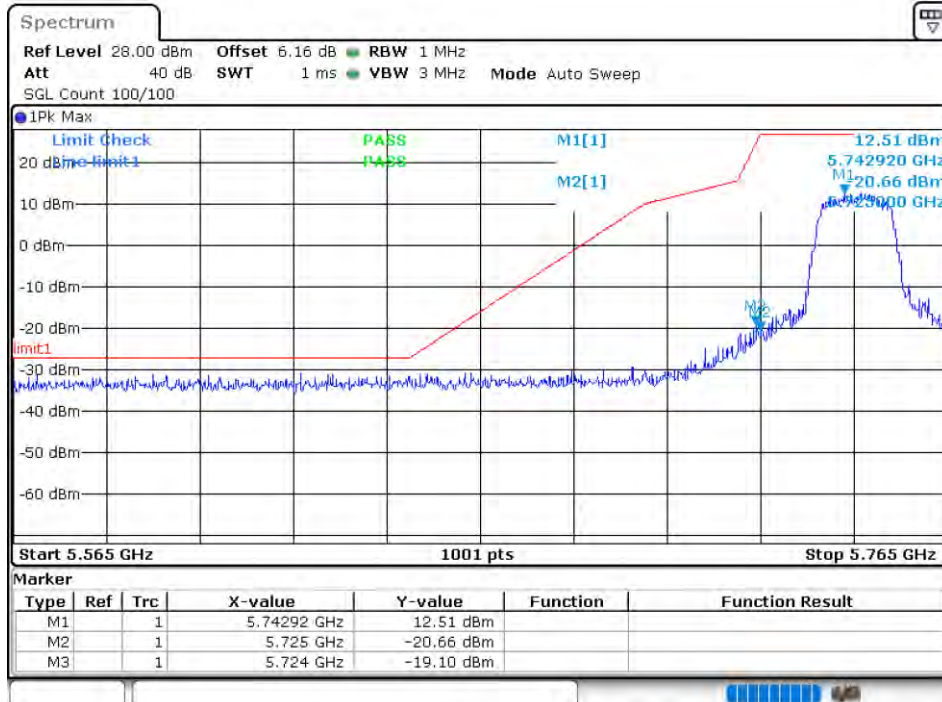
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5745	Ant1	-19.1	Pass
NVNT	a	5825	Ant1	-23.15	Pass
NVNT	n20	5745	Ant1	-17.54	Pass
NVNT	n20	5825	Ant1	-21.91	Pass
NVNT	n40	5755	Ant1	-14.07	Pass
NVNT	n40	5795	Ant1	-25.23	Pass
NVNT	ac20	5745	Ant1	-18.47	Pass
NVNT	ac20	5825	Ant1	-23.06	Pass
NVNT	ac40	5755	Ant1	-15.93	Pass
NVNT	ac40	5795	Ant1	-27.62	Pass
NVNT	ac80	5775	Ant1	-21.29	Pass
NVNT	ac80	5775	Ant1	-18.91	Pass

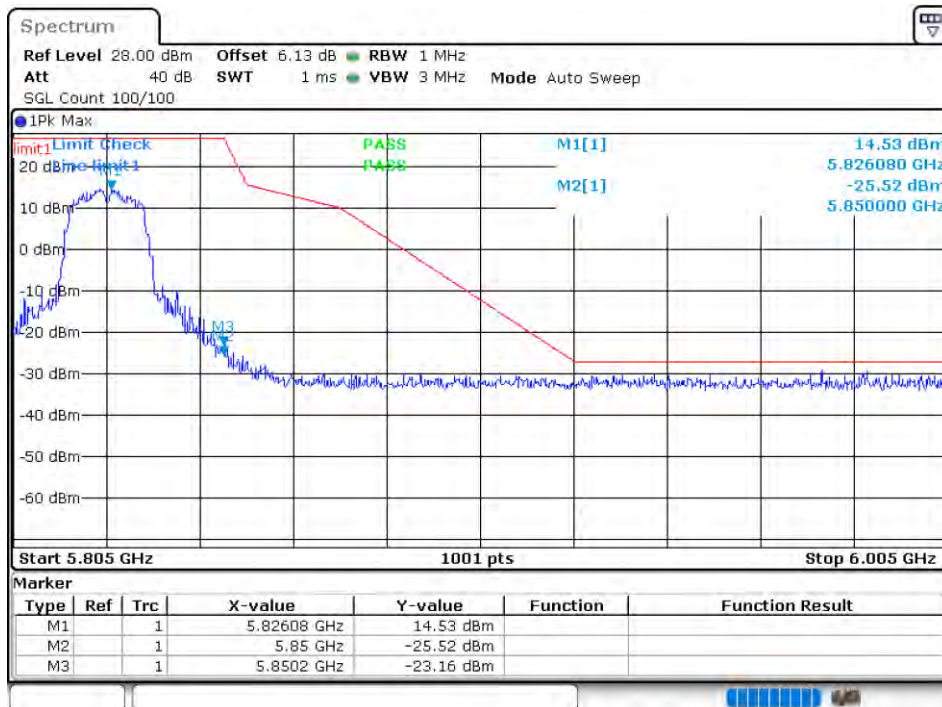
Note: This test has increased antenna gain .

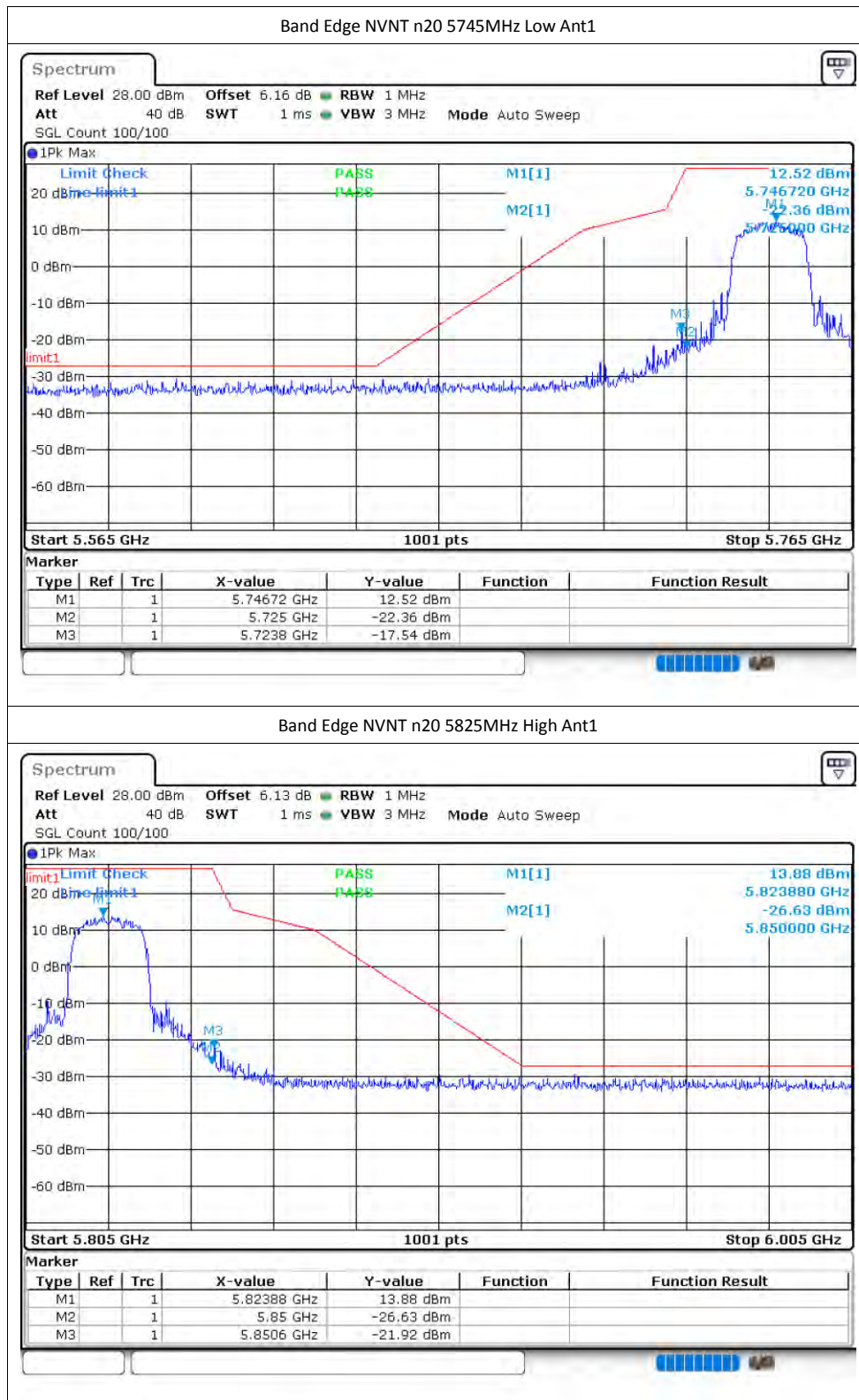
Test Graphs

Band Edge NVNT a 5745MHz Low Ant1

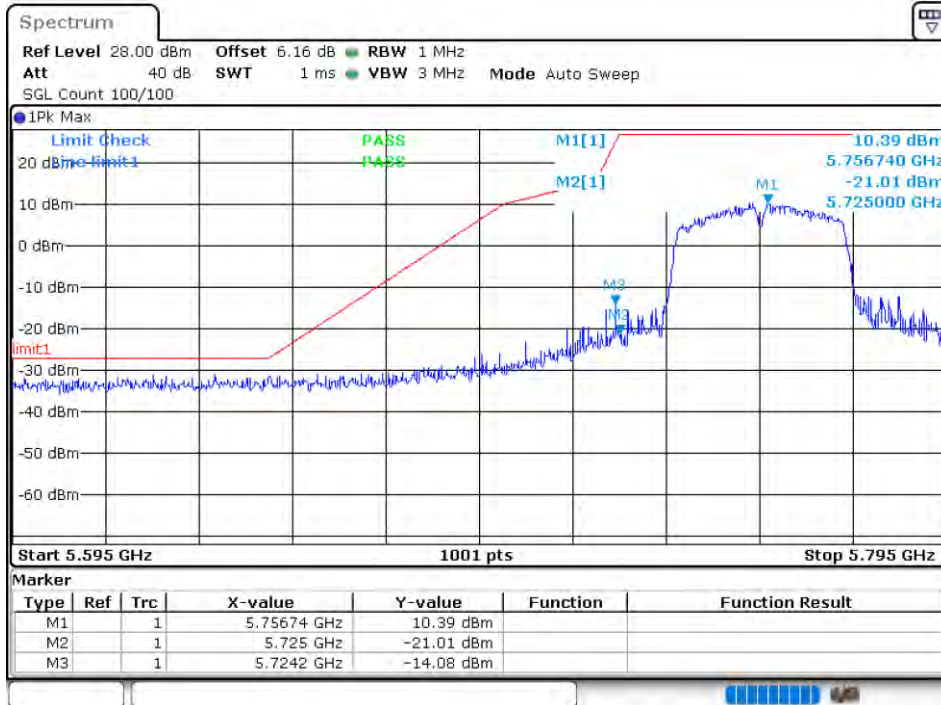


Band Edge NVNT a 5825MHz High Ant1

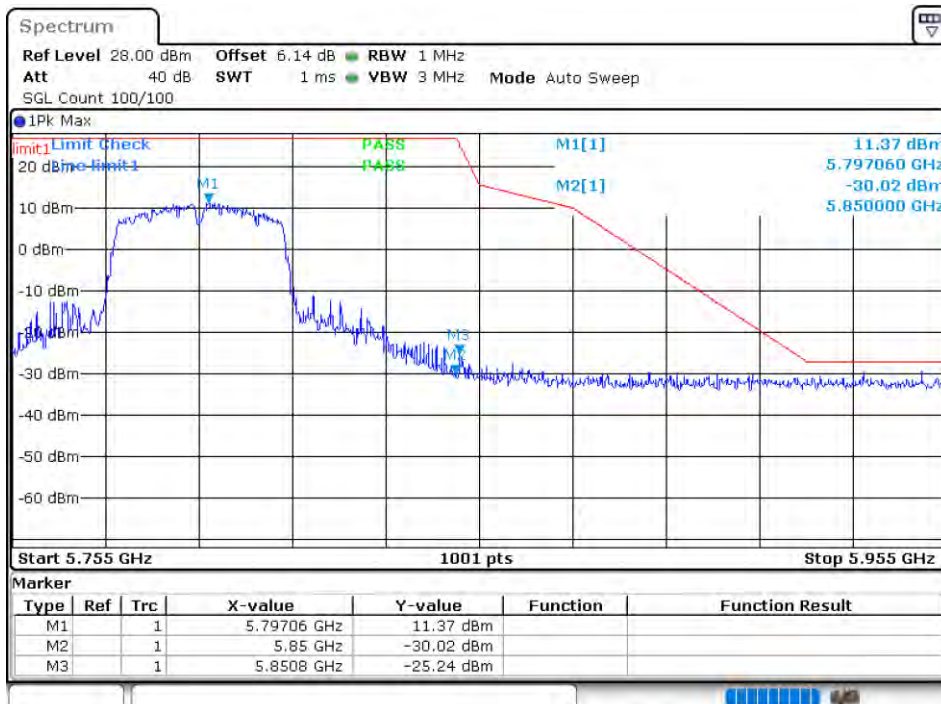




Band Edge NVNT n40 5755MHz Low Ant1



Band Edge NVNT n40 5795MHz High Ant1

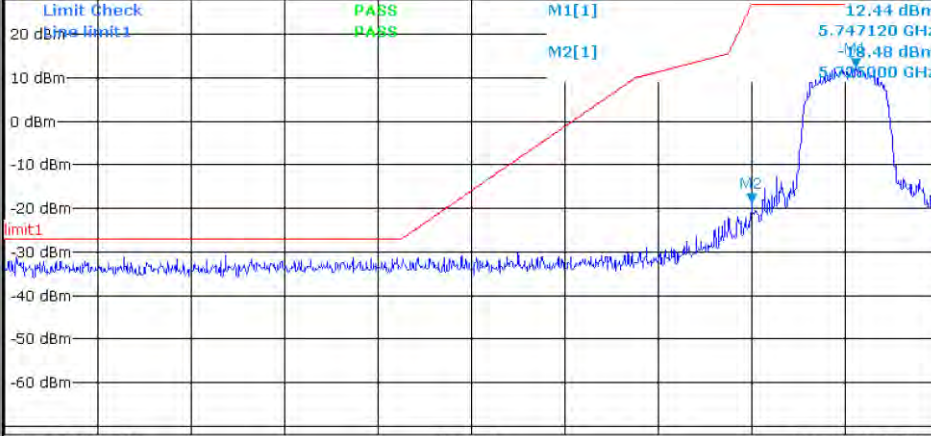


Band Edge NVNT ac20 5745MHz Low Ant1

Spectrum

Ref Level 28.00 dBm Offset 6.16 dB RBW 1 MHz
Att 40 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Start 5.565 GHz 1001 pts Stop 5.765 GHz

Marker

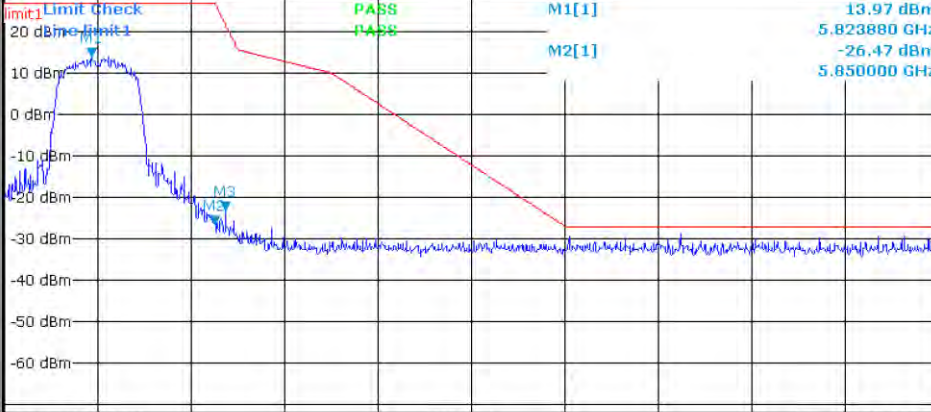
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.74712 GHz	12.44 dBm		
M2		1	5.725 GHz	-18.48 dBm		

Band Edge NVNT ac20 5825MHz High Ant1

Spectrum

Ref Level 28.00 dBm Offset 6.13 dB RBW 1 MHz
Att 40 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Start 5.805 GHz 1001 pts Stop 6.005 GHz

Marker

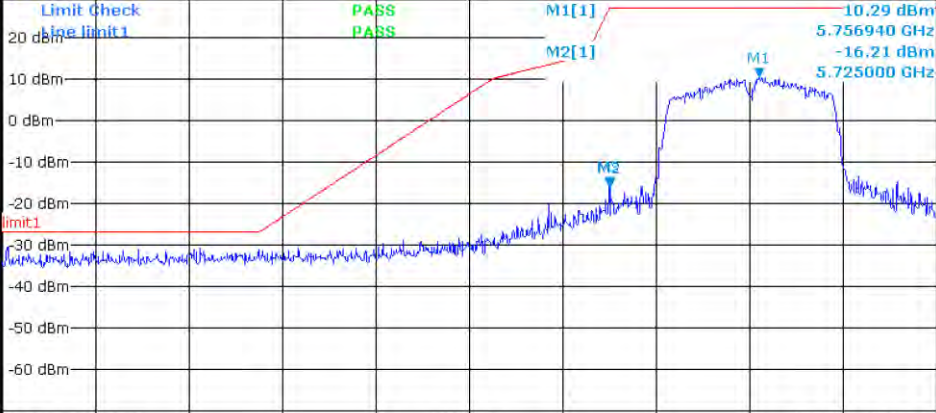
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.82388 GHz	13.97 dBm		
M2		1	5.85 GHz	-26.47 dBm		
M3		1	5.8524 GHz	-23.06 dBm		

Band Edge NVNT ac40 5755MHz Low Ant1

Spectrum

Ref Level 29.00 dBm Offset 6.16 dB RBW 1 MHz
Att 40 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Start 5.595 GHz 1001 pts Stop 5.795 GHz

Marker

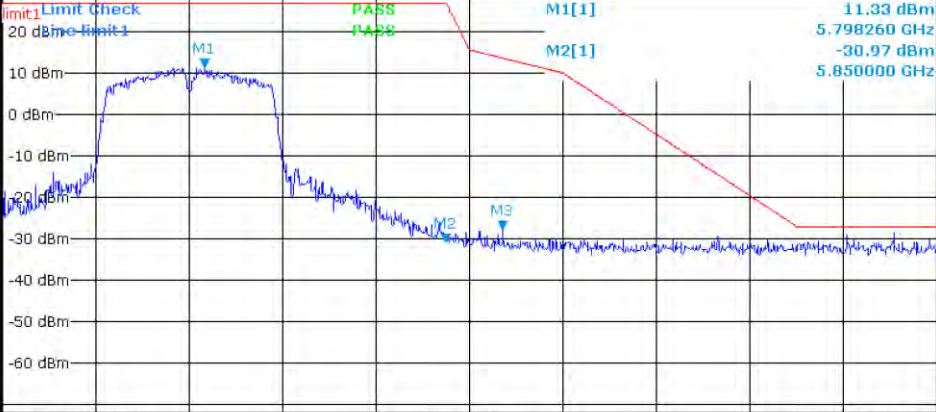
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.75694 GHz	10.29 dBm		
M2	1		5.725 GHz	-16.21 dBm		
M3	1		5.7248 GHz	-15.93 dBm		

Band Edge NVNT ac40 5795MHz High Ant1

Spectrum

Ref Level 28.00 dBm Offset 6.14 dB RBW 1 MHz
Att 40 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max

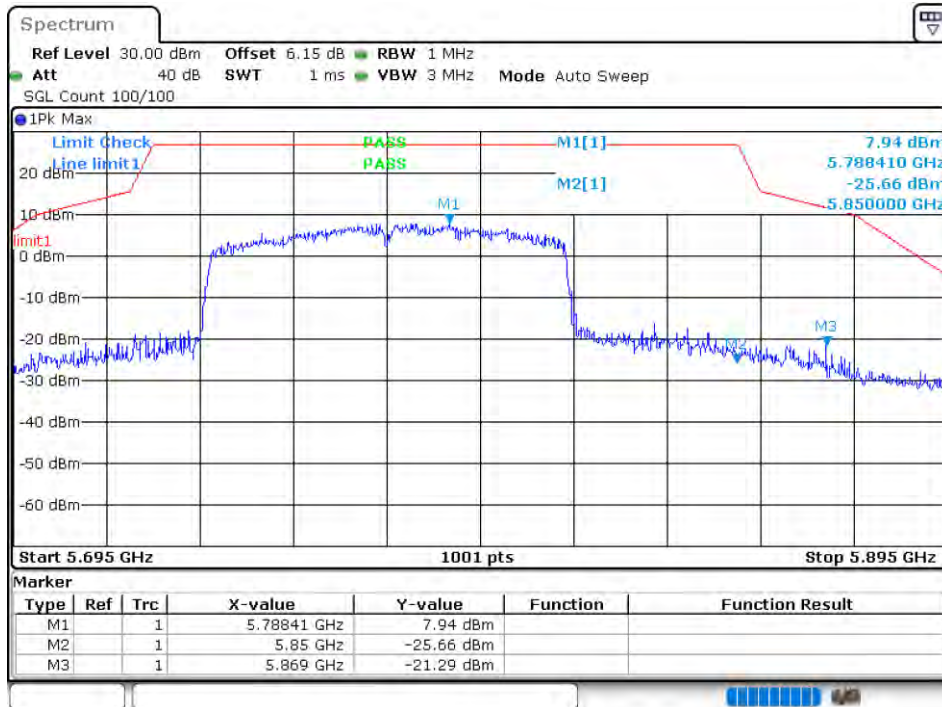


Start 5.755 GHz 1001 pts Stop 5.955 GHz

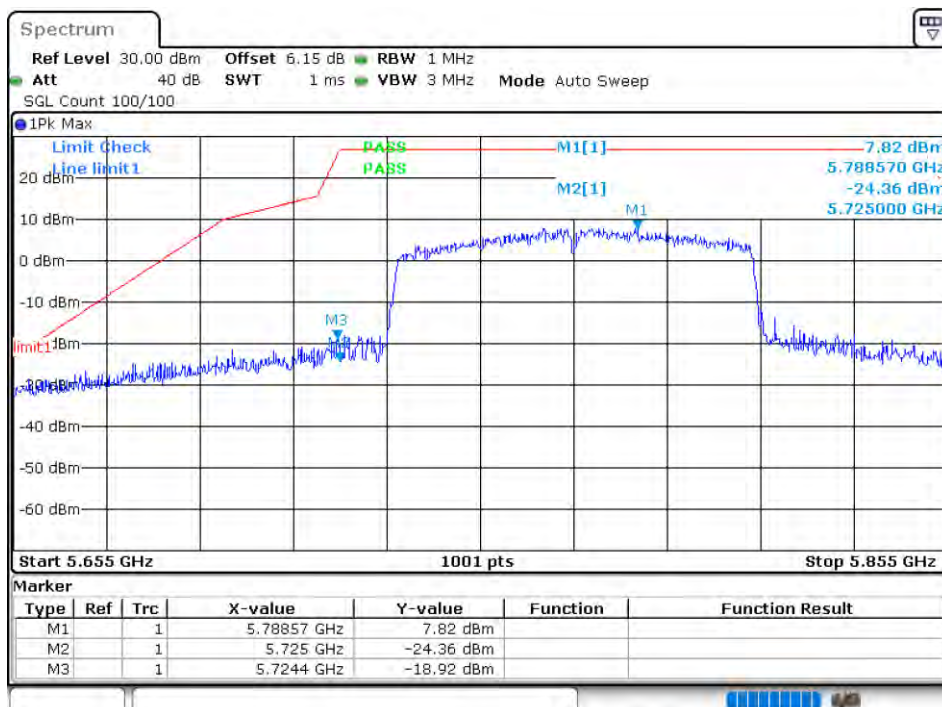
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.79826 GHz	11.33 dBm		
M2	1		5.85 GHz	-30.97 dBm		
M3	1		5.8622 GHz	-27.63 dBm		

Band Edge NVNT ac80 5775MHz High Ant1



Band Edge NVNT ac80 5775MHz Low Ant1



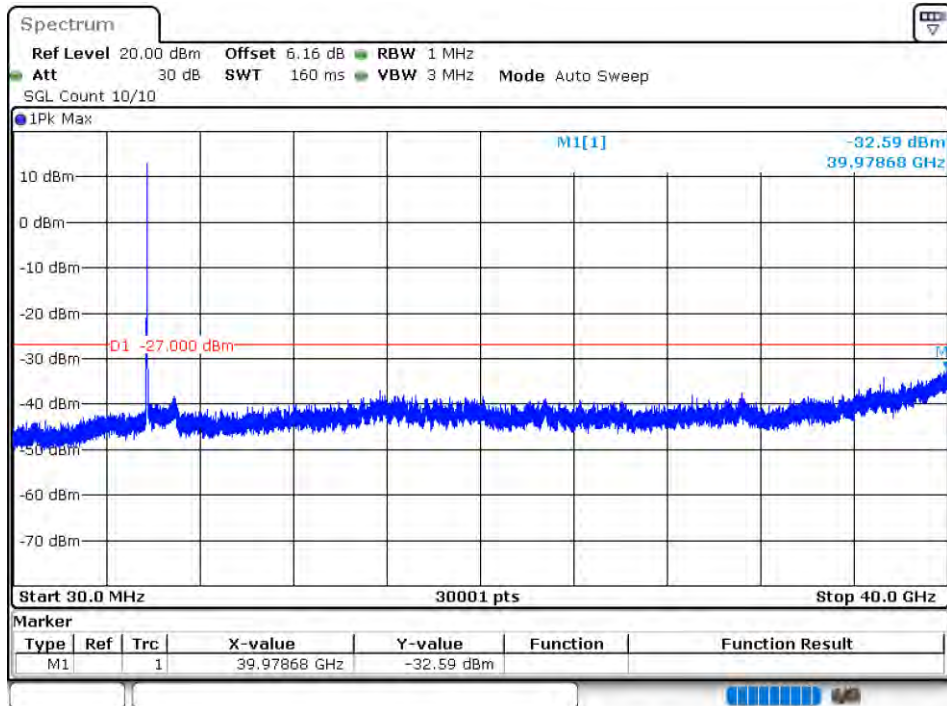
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-32.59	-27	Pass
NVNT	a	5785	Ant1	-32.71	-27	Pass
NVNT	a	5825	Ant1	-32.37	-27	Pass
NVNT	n20	5745	Ant1	-32.78	-27	Pass
NVNT	n20	5785	Ant1	-31.77	-27	Pass
NVNT	n20	5825	Ant1	-32.84	-27	Pass
NVNT	n40	5755	Ant1	-31.55	-27	Pass
NVNT	n40	5795	Ant1	-32.03	-27	Pass
NVNT	ac20	5745	Ant1	-31.61	-27	Pass
NVNT	ac20	5785	Ant1	-32.4	-27	Pass
NVNT	ac20	5825	Ant1	-32.27	-27	Pass
NVNT	ac40	5755	Ant1	-32.34	-27	Pass
NVNT	ac40	5795	Ant1	-32.01	-27	Pass
NVNT	ac80	5775	Ant1	-31.94	-27	Pass

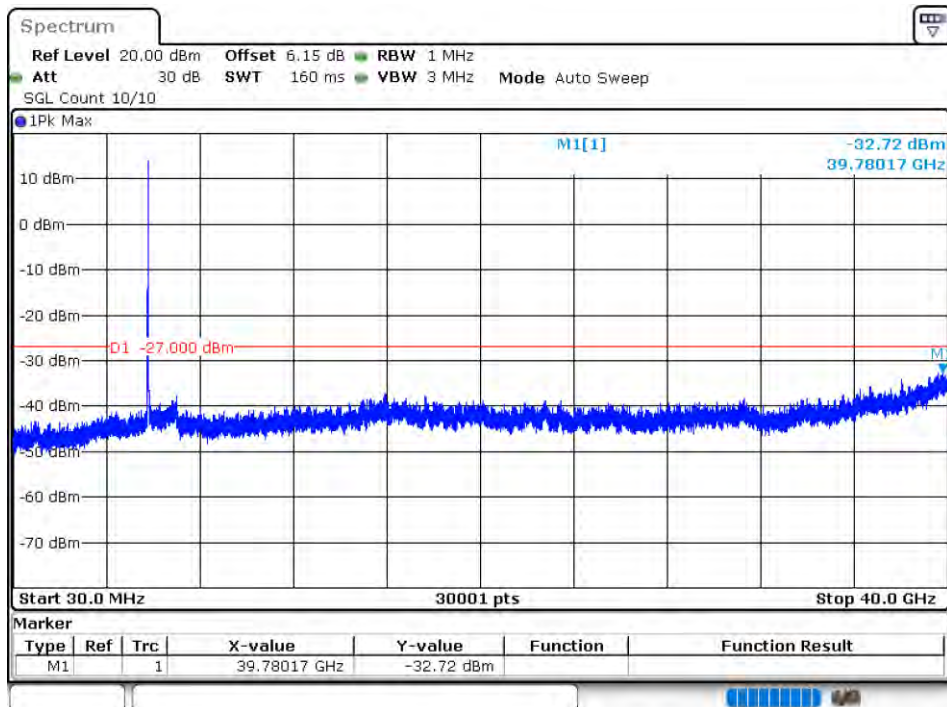
Note: This test has increased antenna gain .

Test Graphs

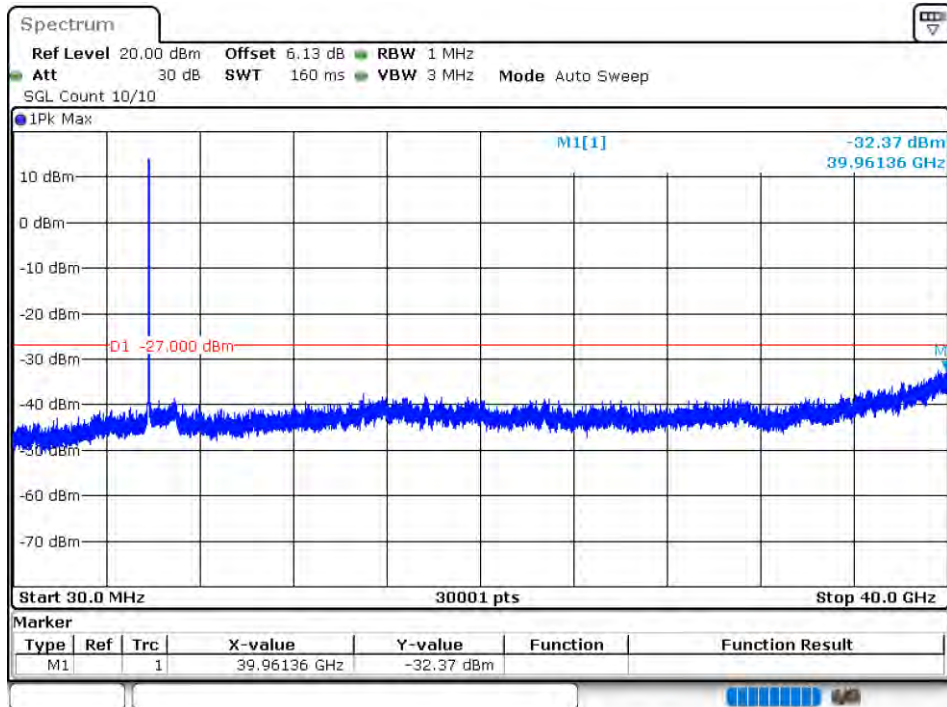
Tx. Spurious NVNT a 5745MHz Ant1 Emission



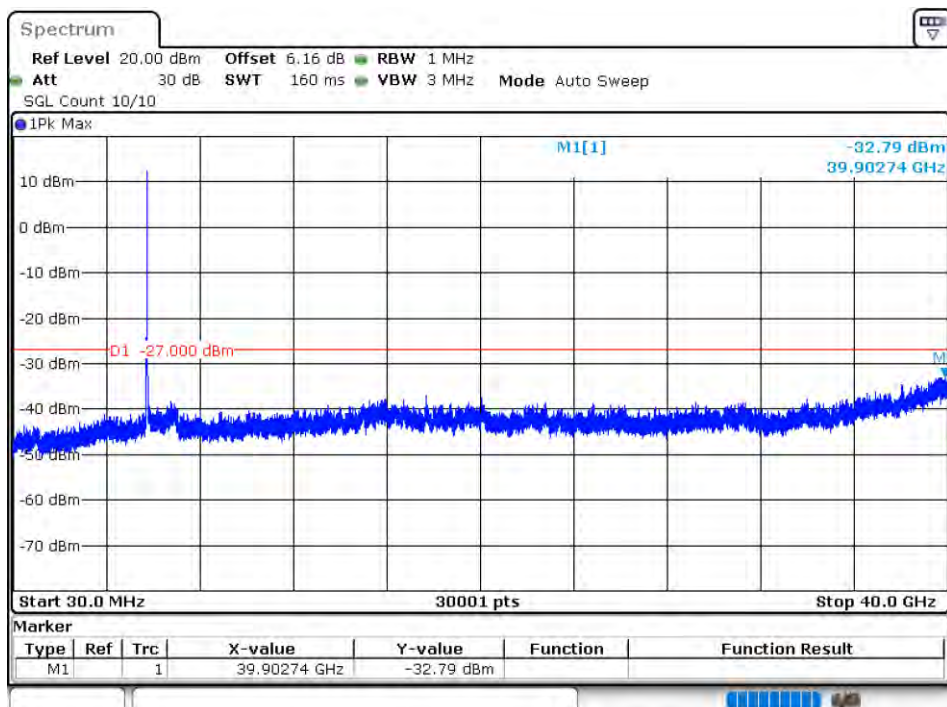
Tx. Spurious NVNT a 5785MHz Ant1 Emission



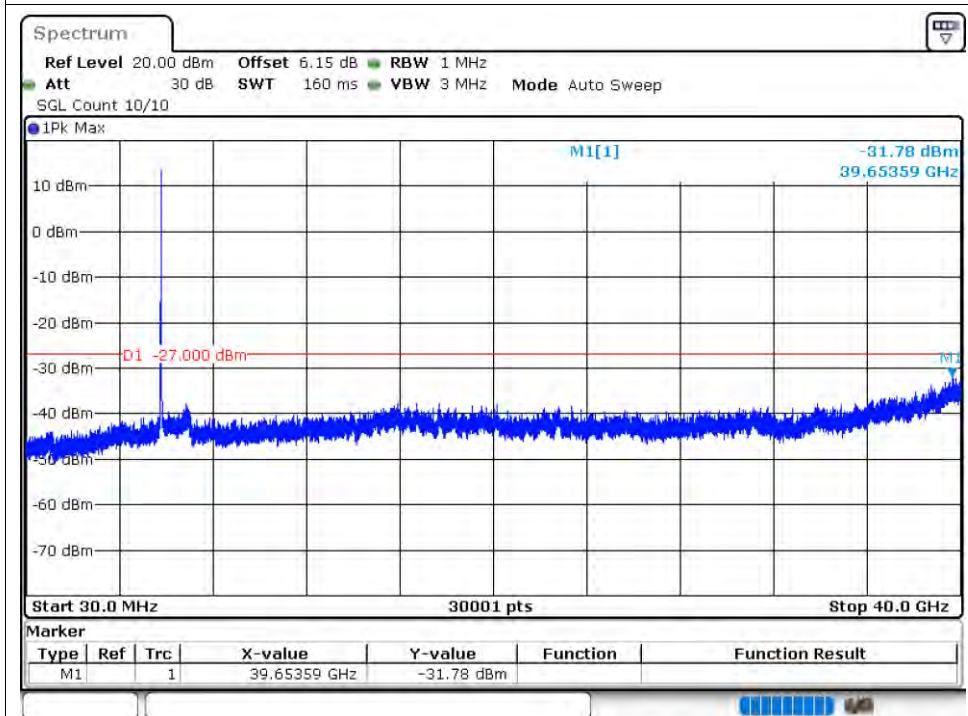
Tx. Spurious NVNT a 5825MHz Ant1 Emission



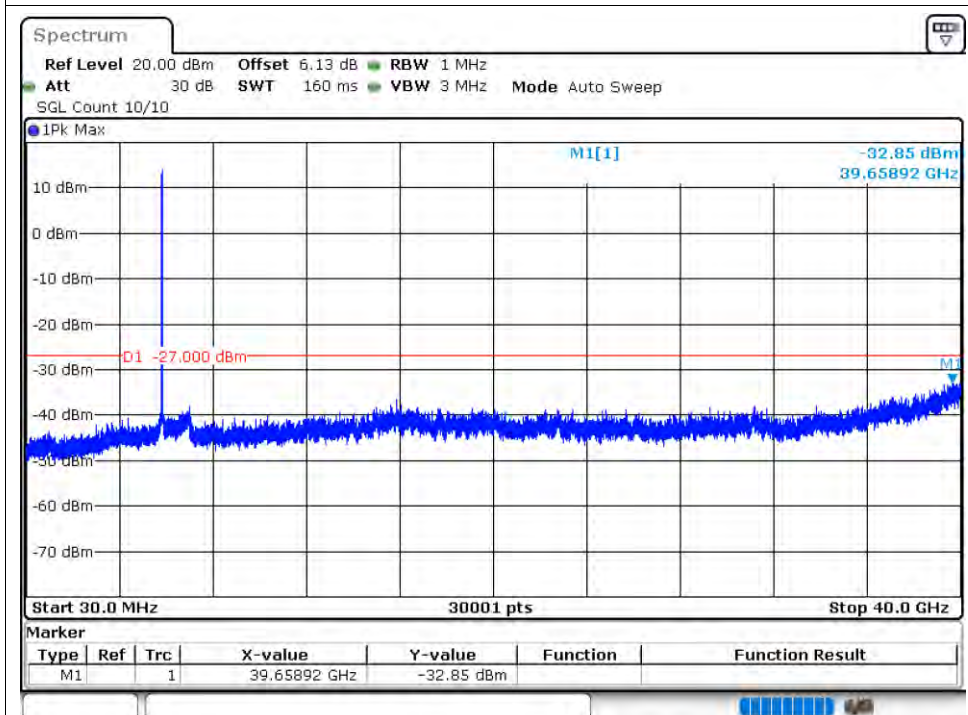
Tx. Spurious NVNT n20 5745MHz Ant1 Emission



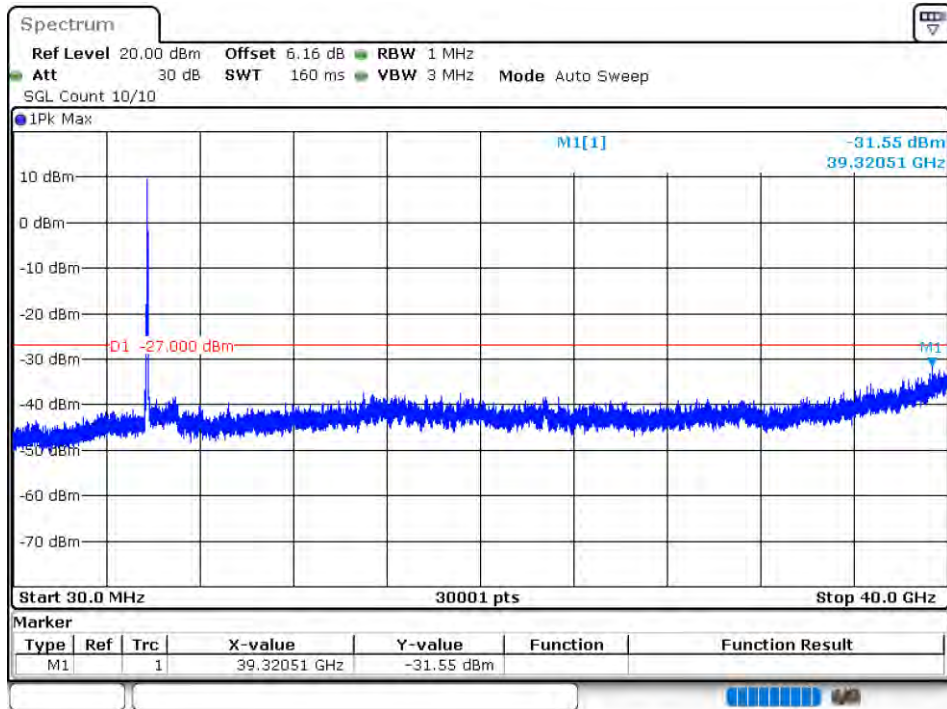
Tx. Spurious NVNT n20 5785MHz Ant1 Emission



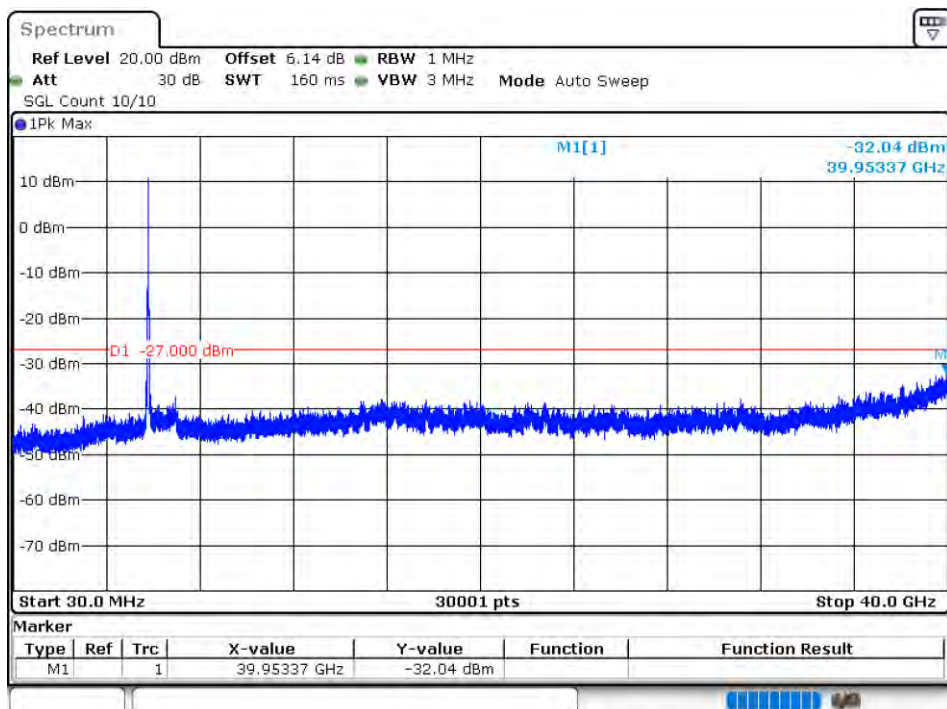
Tx. Spurious NVNT n20 5825MHz Ant1 Emission

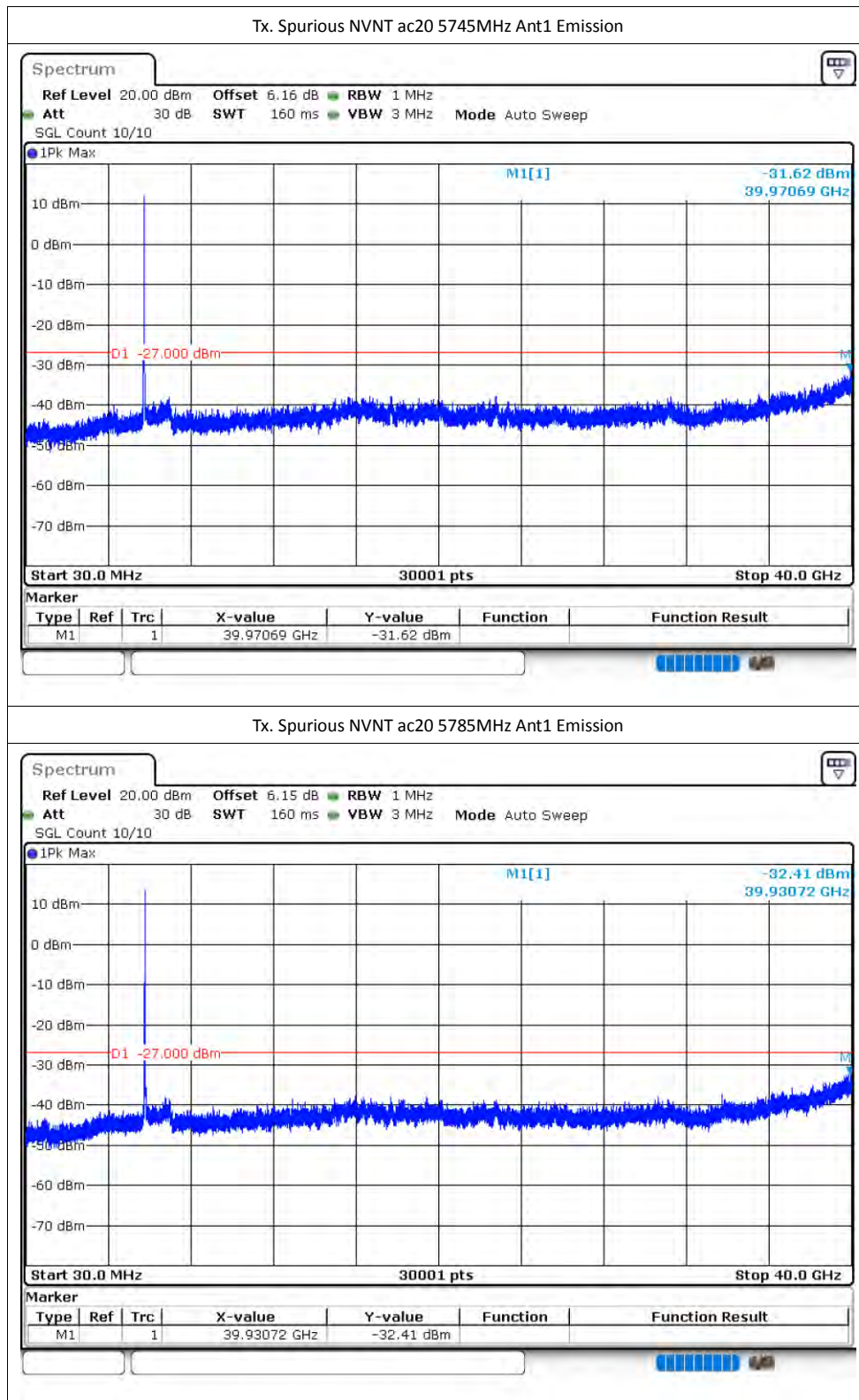


Tx. Spurious NVNT n40 5755MHz Ant1 Emission

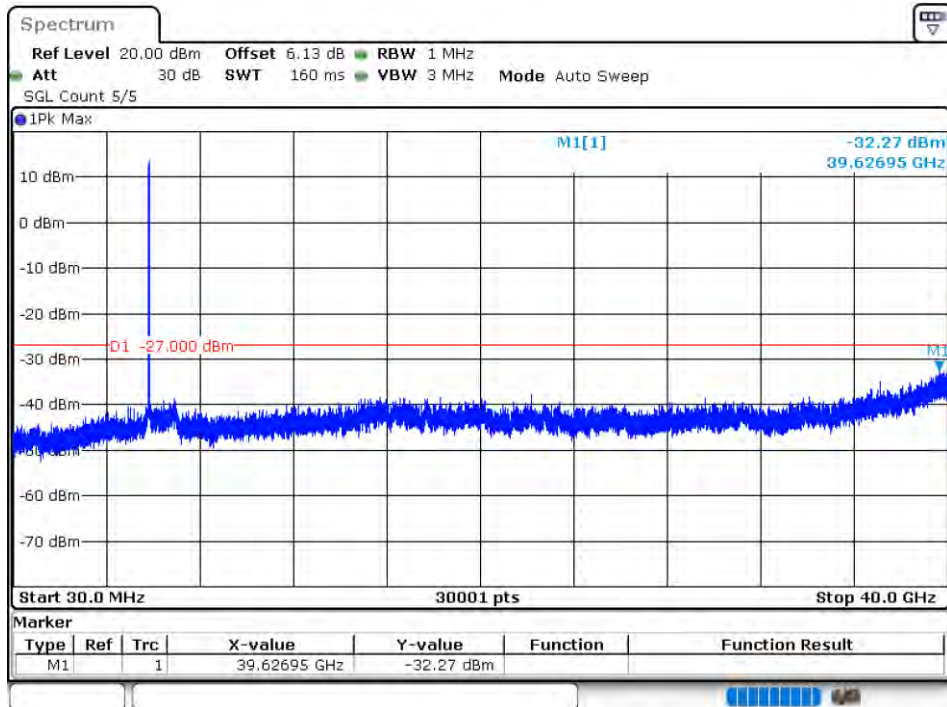


Tx. Spurious NVNT n40 5795MHz Ant1 Emission

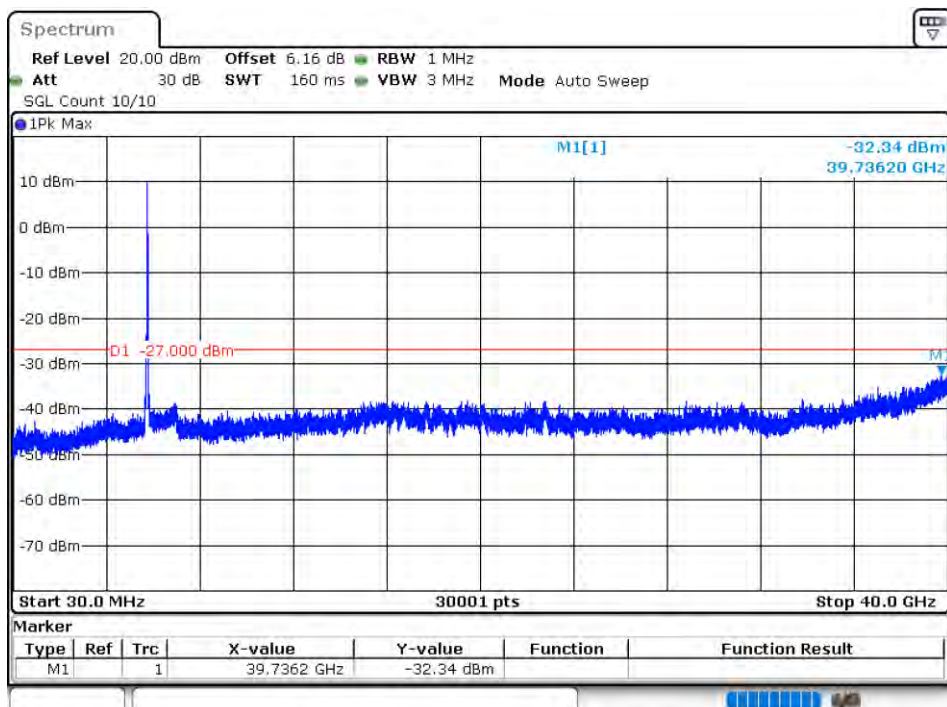




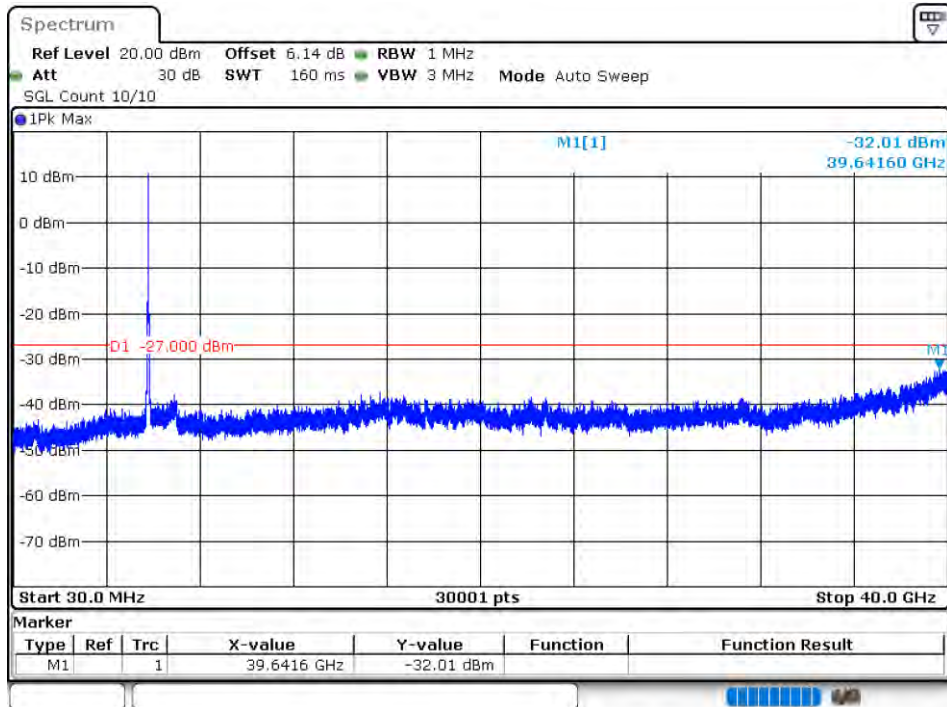
Tx. Spurious NVNT ac20 5825MHz Ant1 Emission



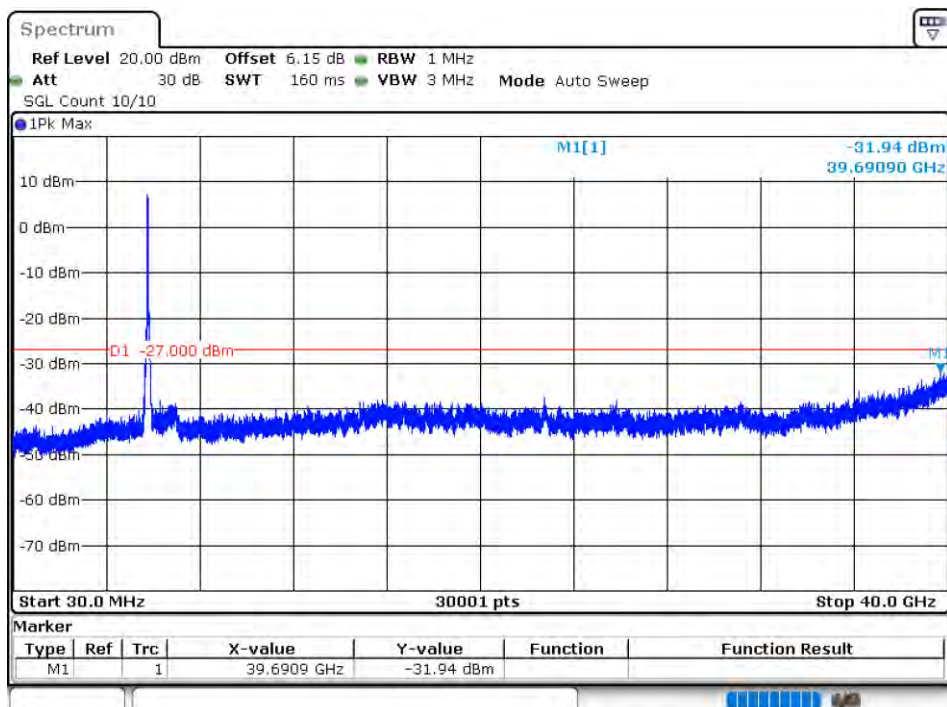
Tx. Spurious NVNT ac40 5755MHz Ant1 Emission



Tx. Spurious NVNT ac40 5795MHz Ant1 Emission



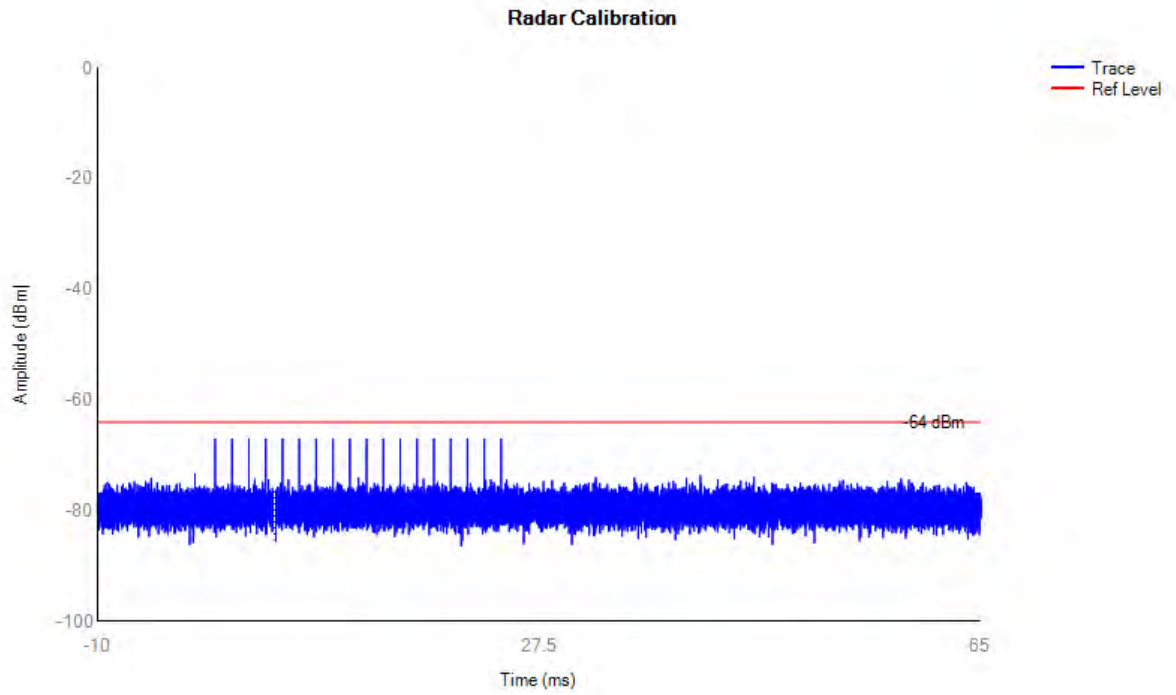
Tx. Spurious NVNT ac80 5775MHz Ant1 Emission



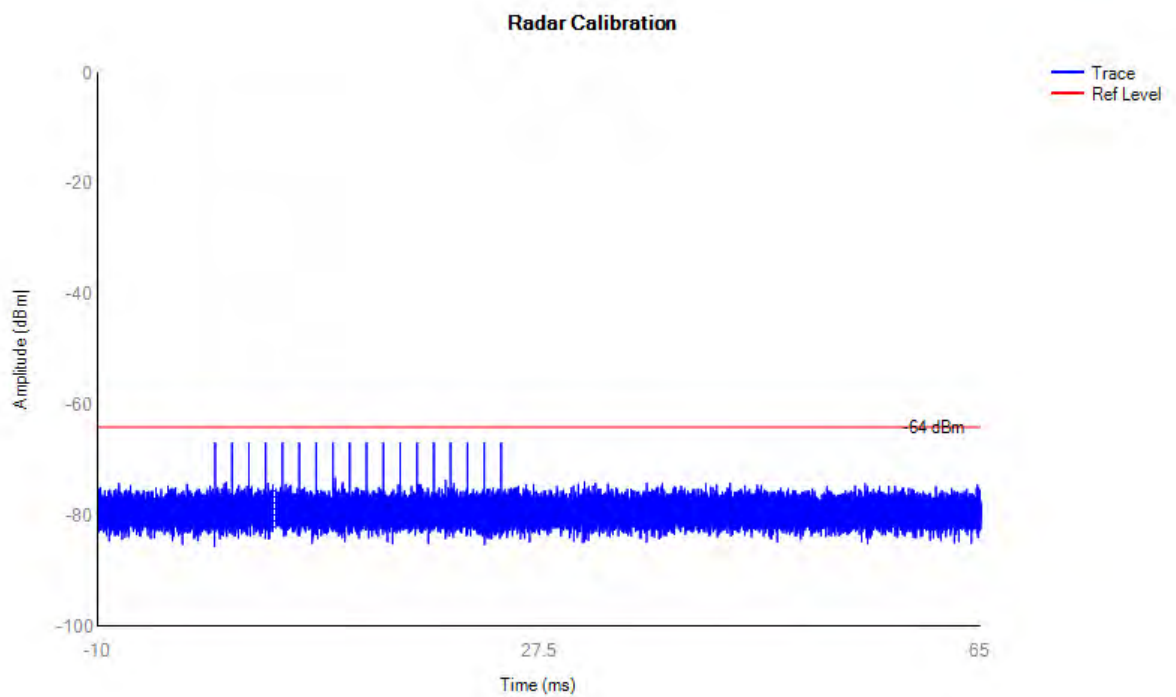
DFS

Calibration

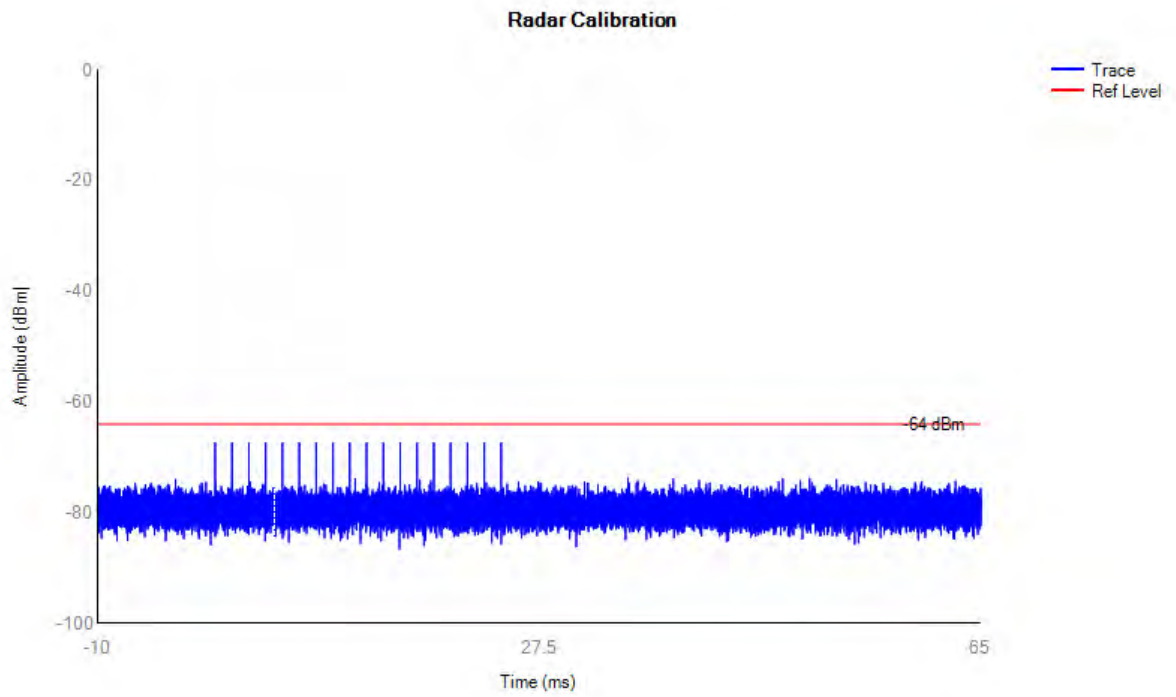
5290MHz ac80 DFS_FCC_T0



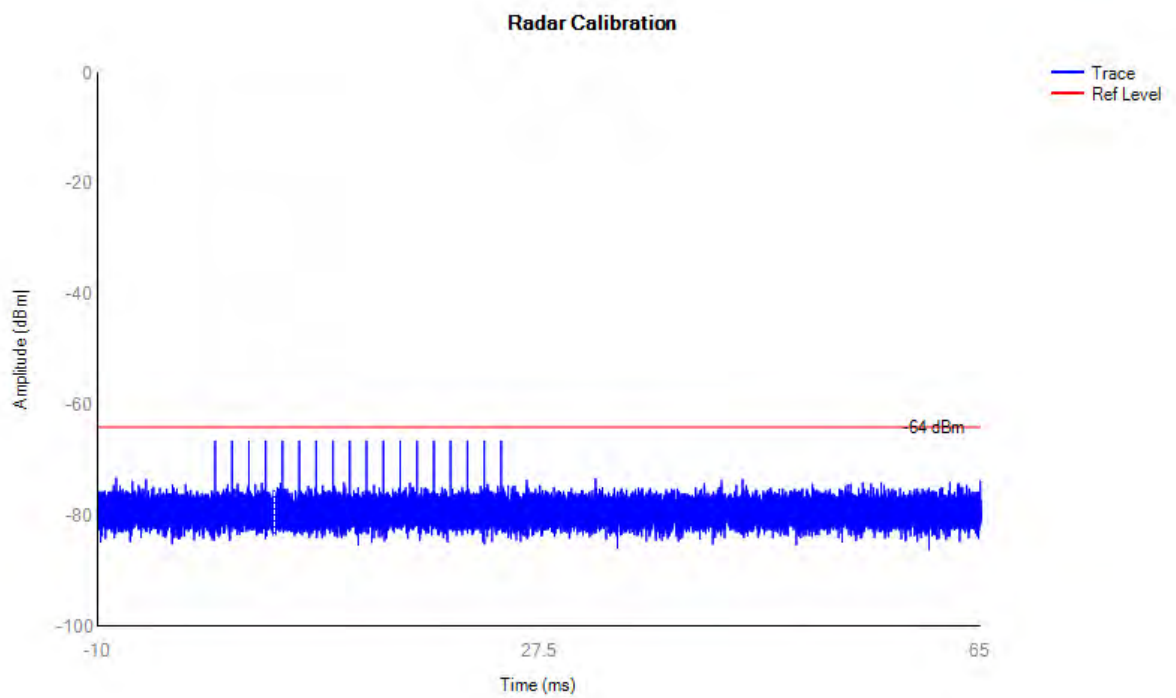
5530MHz ac80 DFS_FCC_T0



5310MHz n40 DFS_FCC_T0

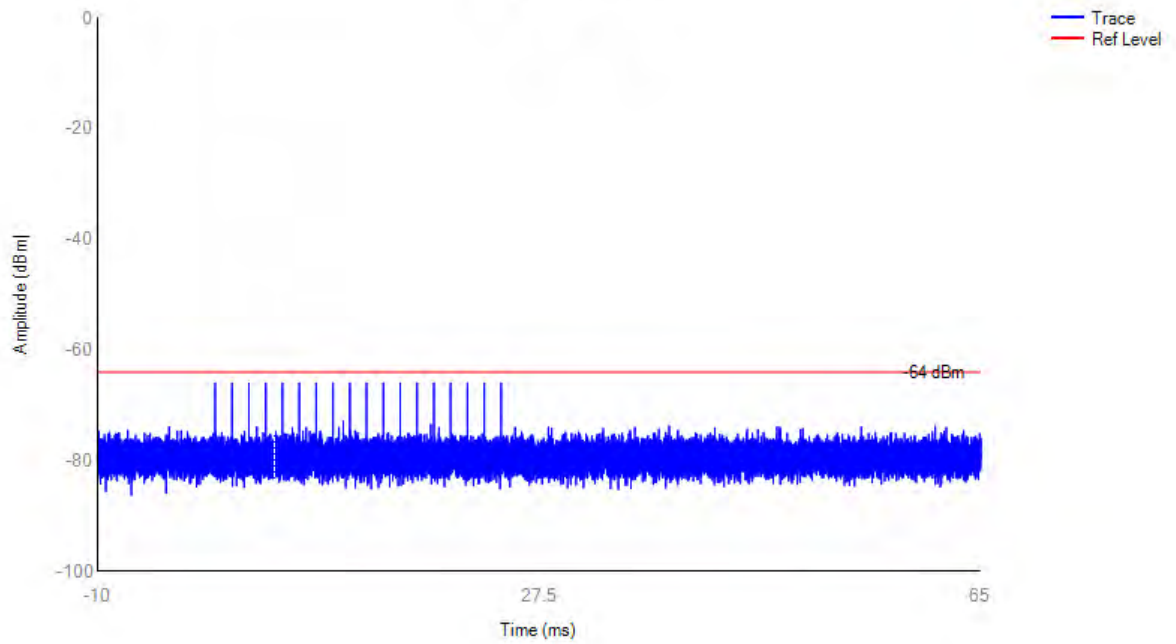


5510MHz n40 DFS_FCC_T0



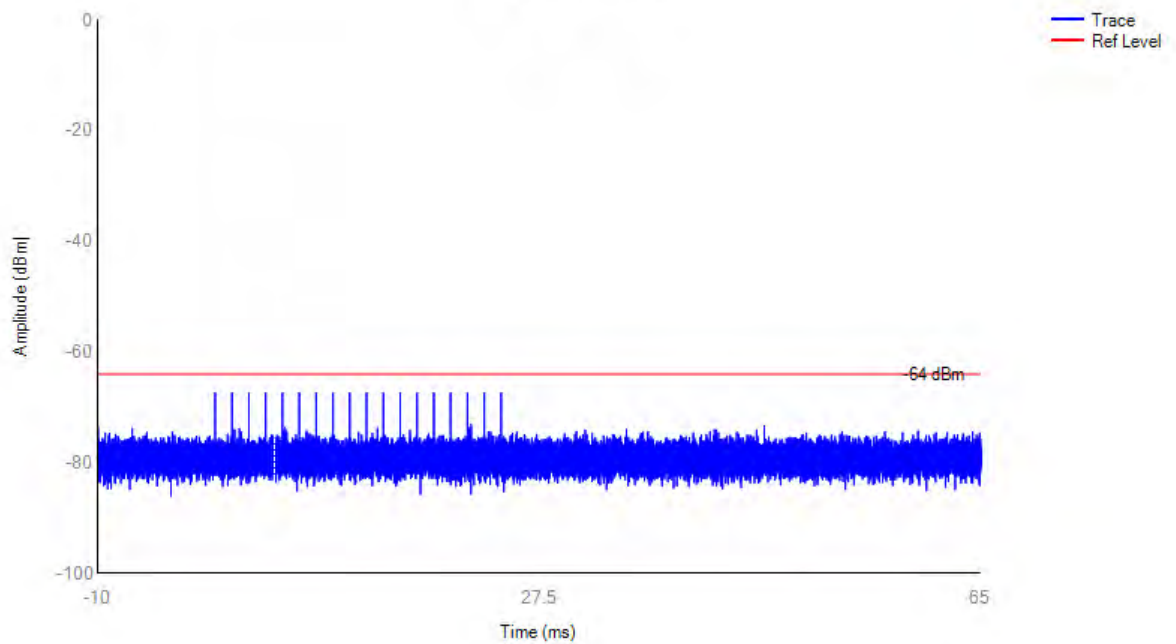
5320MHz a DFS_FCC_T0

Radar Calibration



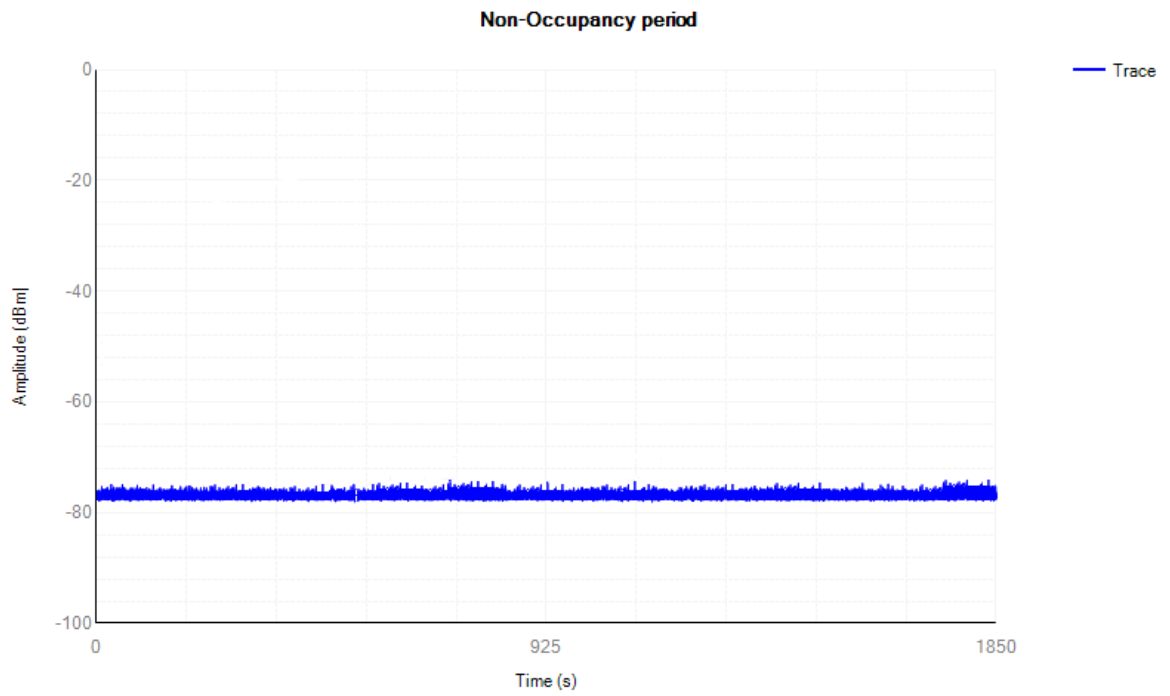
5500MHz a DFS_FCC_T0

Radar Calibration

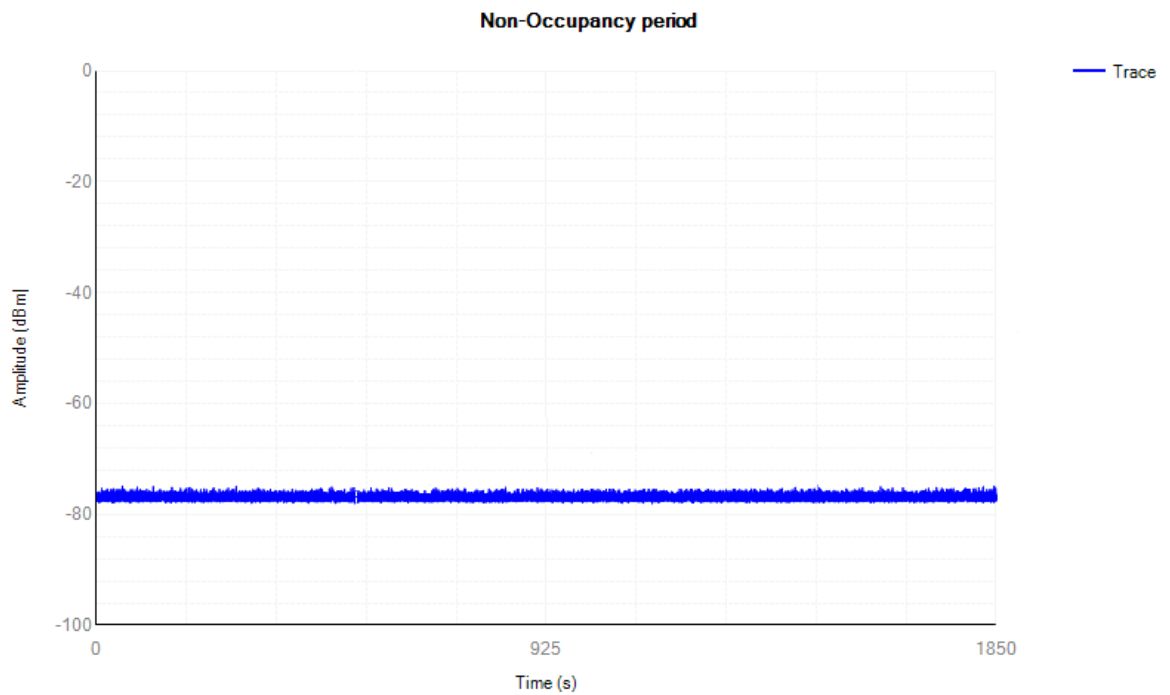


Non-Occupancy

5290MHz ac80 Non-Occupancy

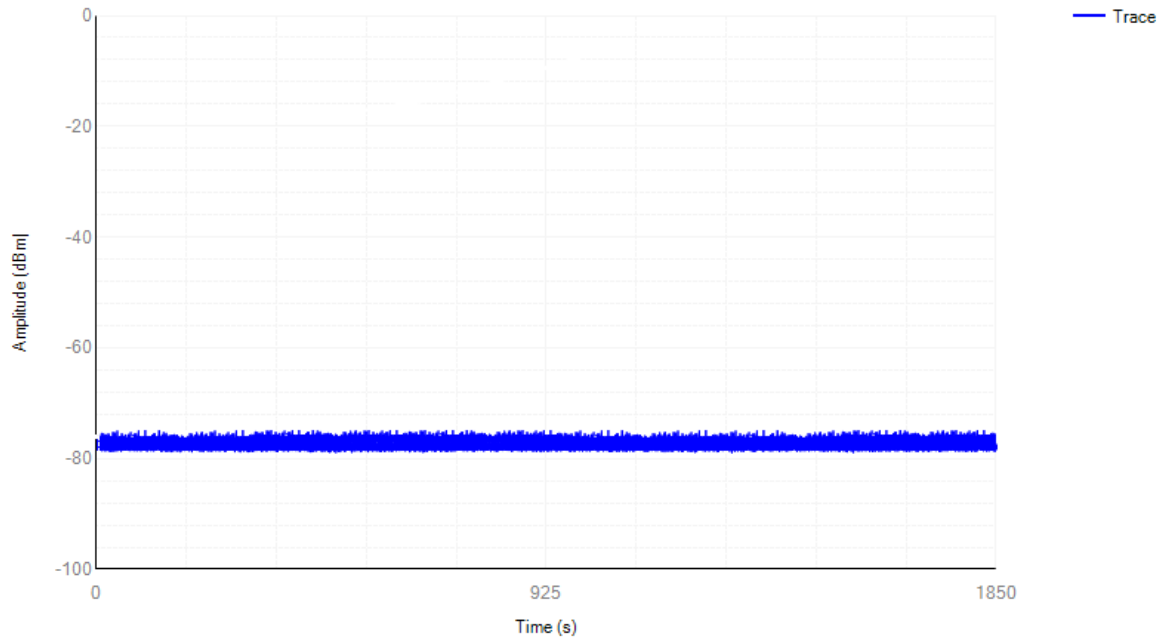


5530MHz ac80 Non-Occupancy



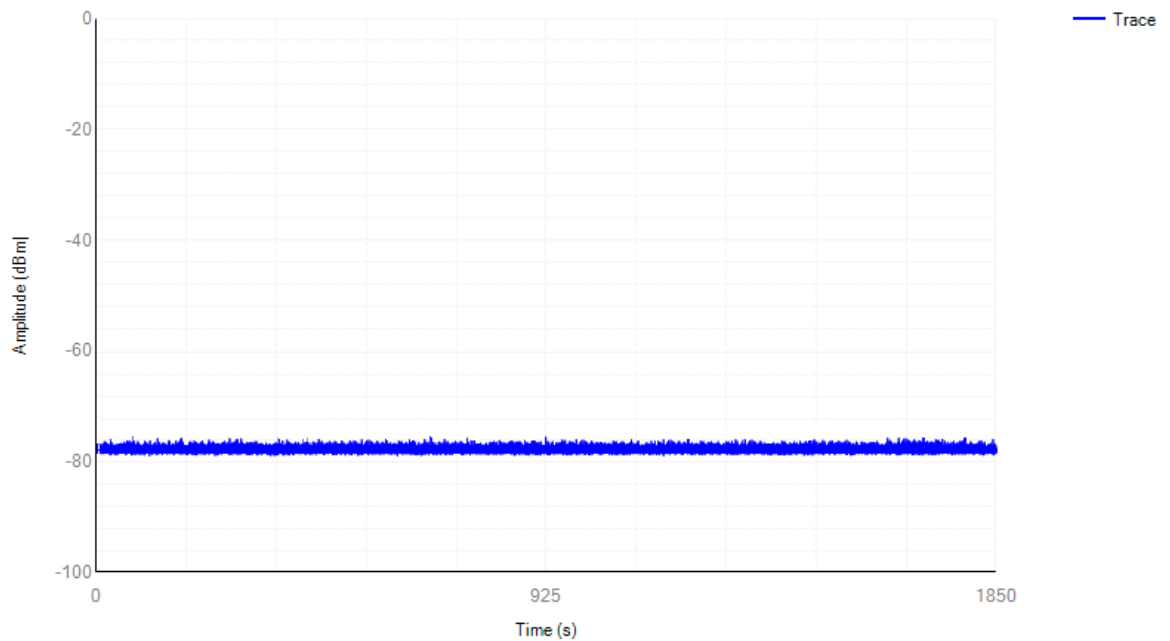
5310MHz n40 Non-Occupancy

Non-Occupancy period



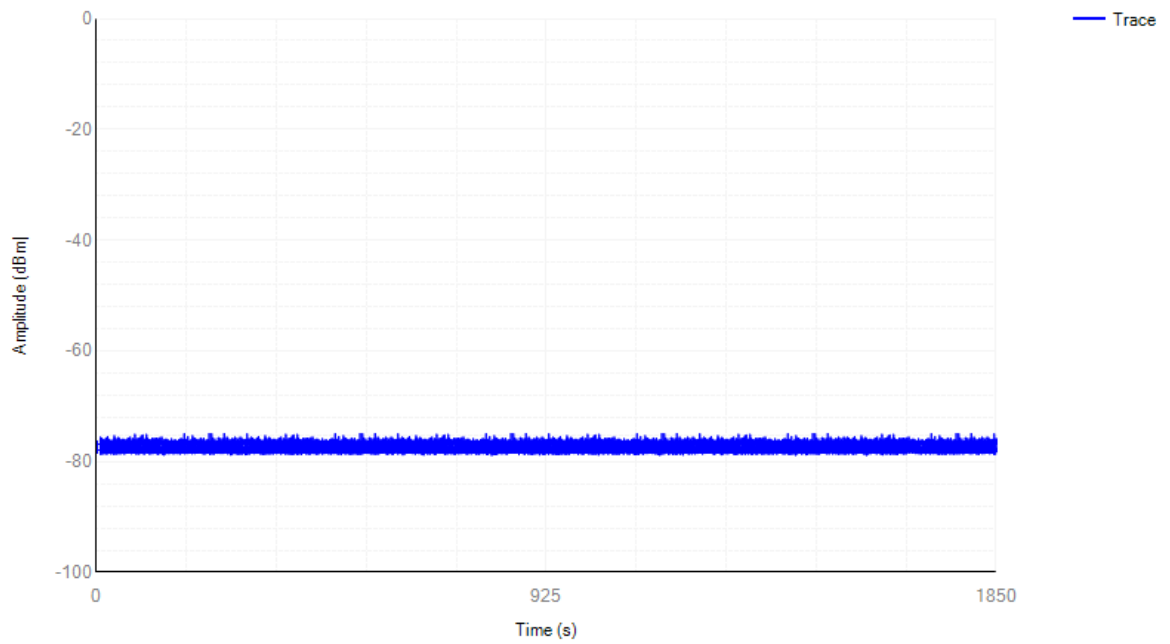
5510MHz n40 Non-Occupancy

Non-Occupancy period



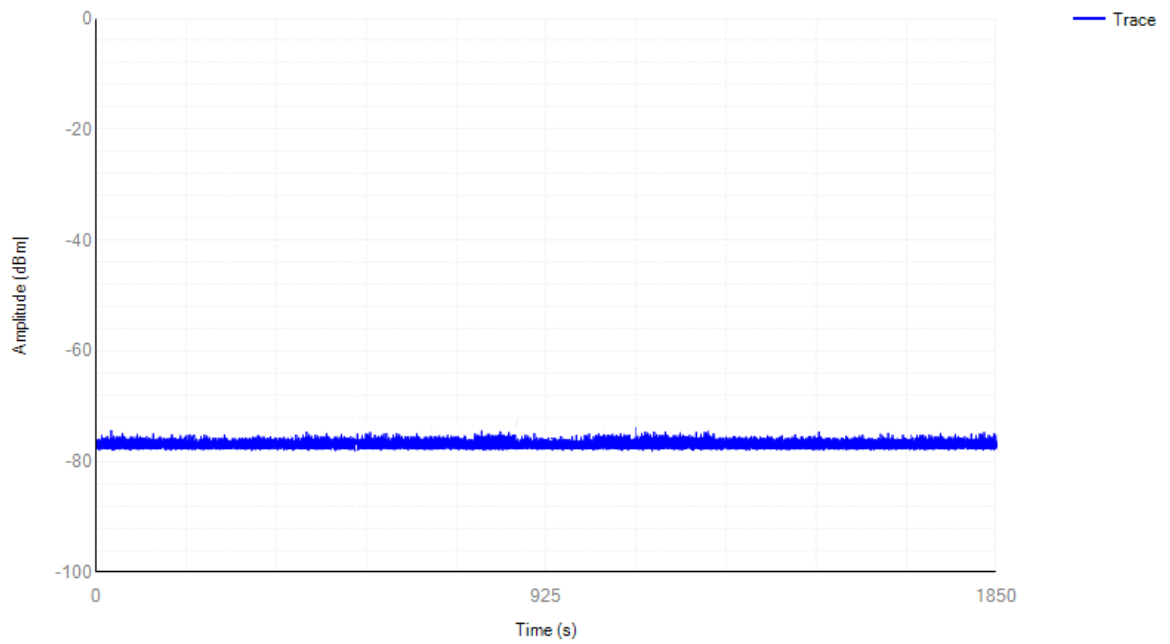
5320MHz a Non-Occupancy

Non-Occupancy period



5500MHz a Non-Occupancy

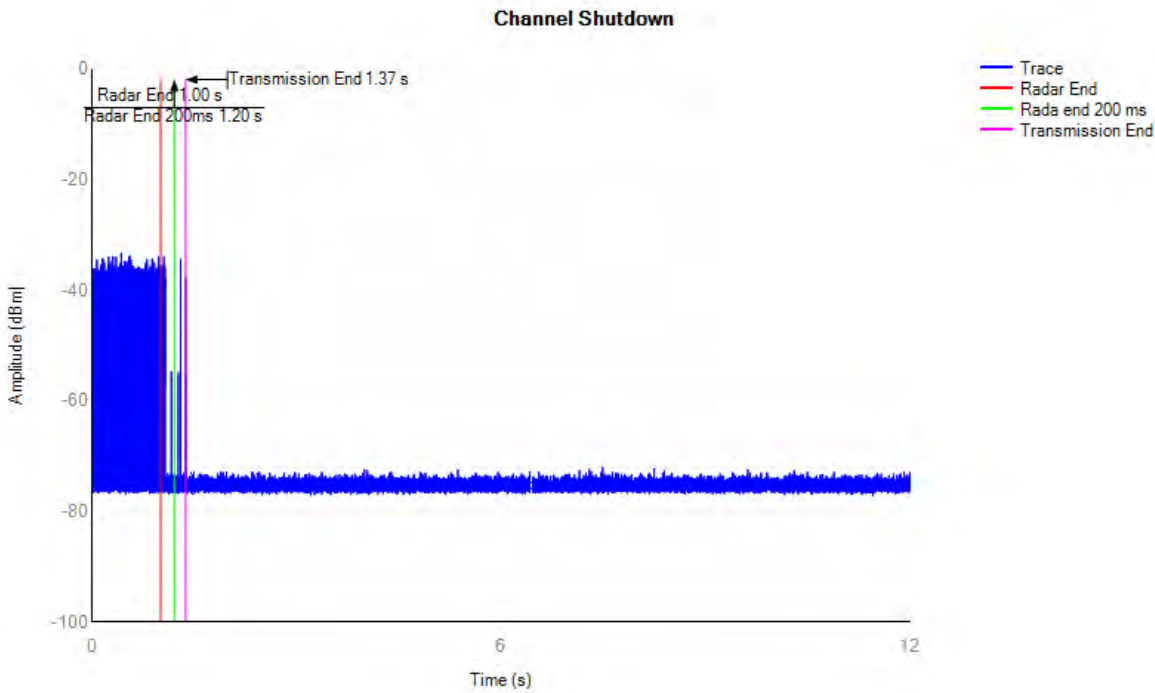
Non-Occupancy period



Shutdown Time

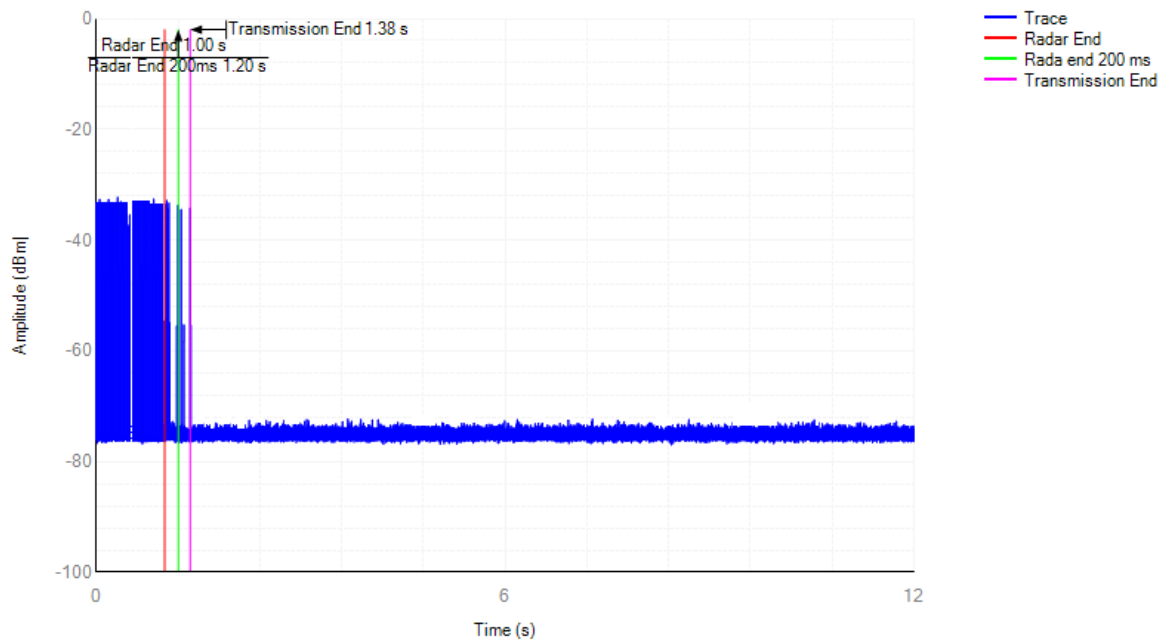
Mod e	Frequen cy (MHz)	Chann el Move Time (s)	Limit Chann el Move Time (s)	Close Transmissi on Time (s)	Limit Close Transmissi on Time (s)	Close Transmissi on Time after 200ms(s)	Limit Close Transmissi on Time after 200ms (s)	Verdi ct
ac80	5290	0.366	10	0.0096	0.26	0.0008	0.06	Pass
ac80	5530	0.3752	10	0.0052	0.26	0.0008	0.06	Pass
n40	5310	0.53	10	0.0084	0.26	0.0036	0.06	Pass
n40	5510	0.4512	10	0.0072	0.26	0.0024	0.06	Pass
a	5320	0.4284	10	0.0084	0.26	0.002	0.06	Pass
a	5500	0.4728	10	0.012	0.26	0.0036	0.06	Pass

5290MHz ac80 Shutdown



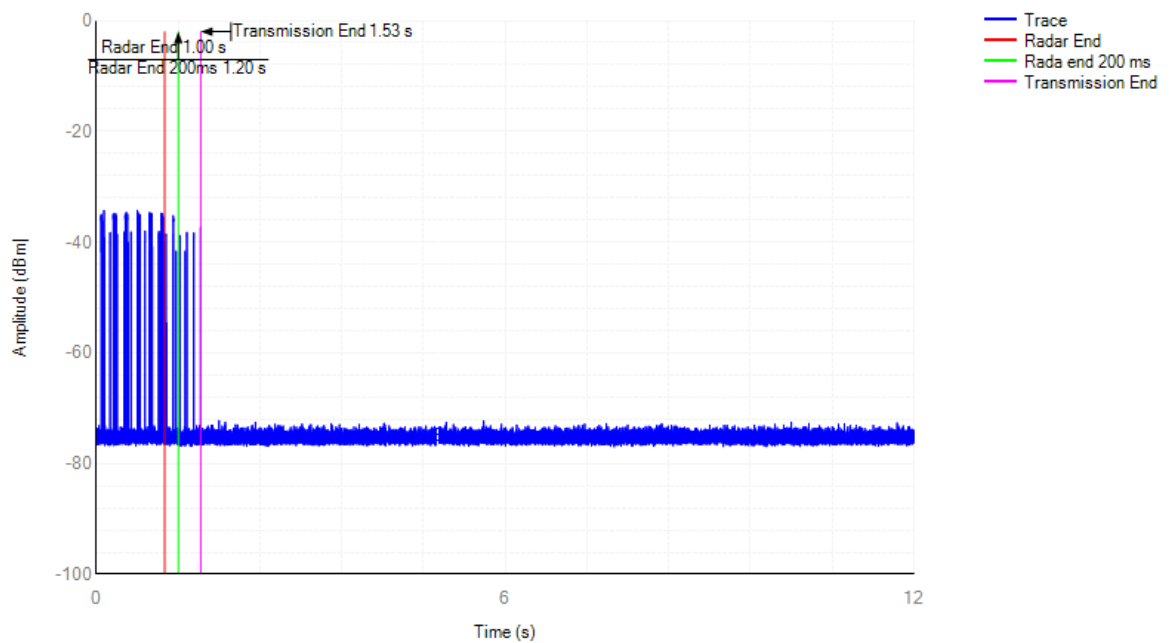
5530MHz ac80 Shutdown

Channel Shutdown

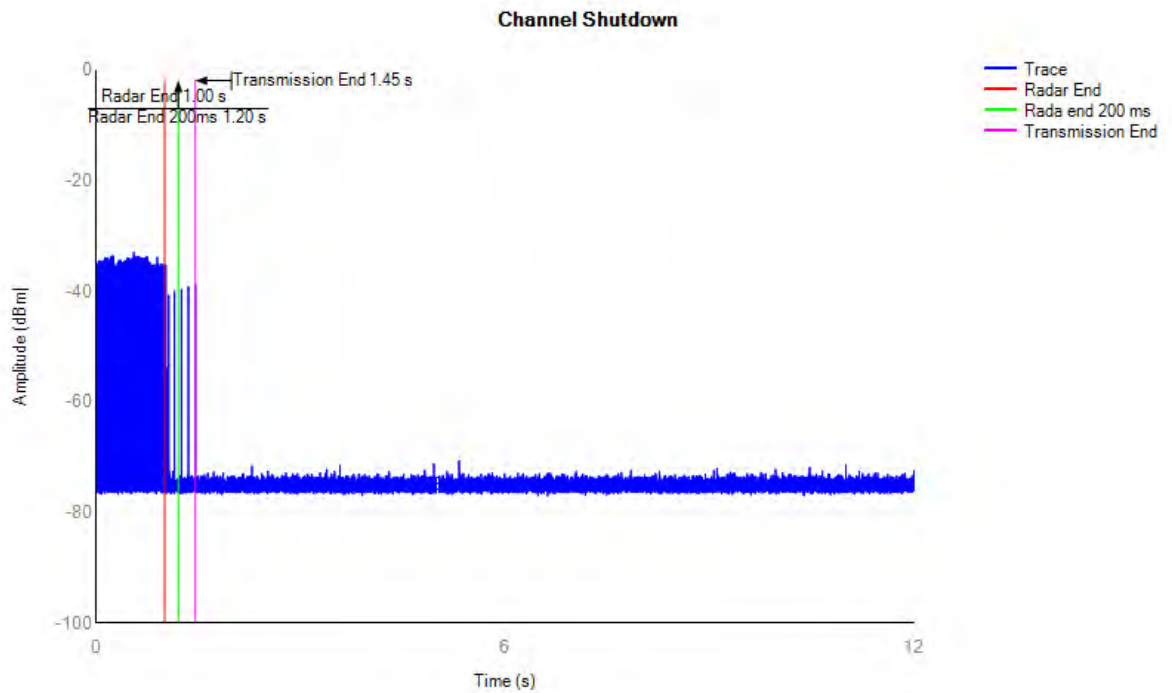


5310MHz n40 Shutdown

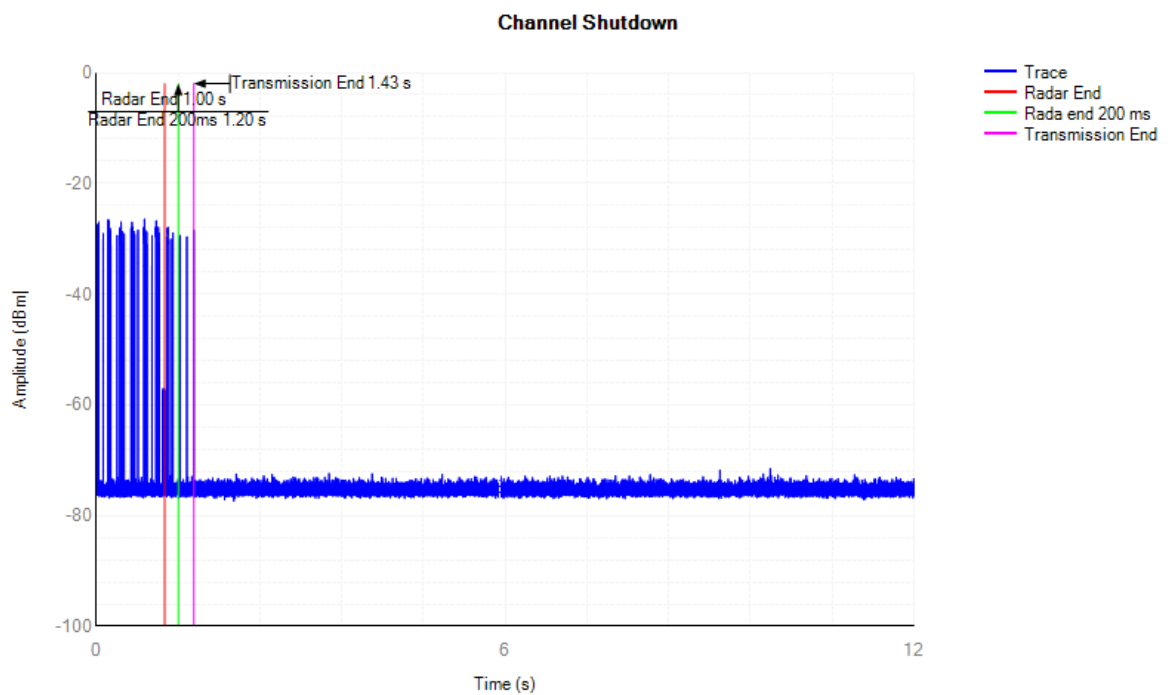
Channel Shutdown



5510MHz n40 Shutdown



5320MHz a Shutdown



5500MHz a Shutdown

Channel Shutdown

