

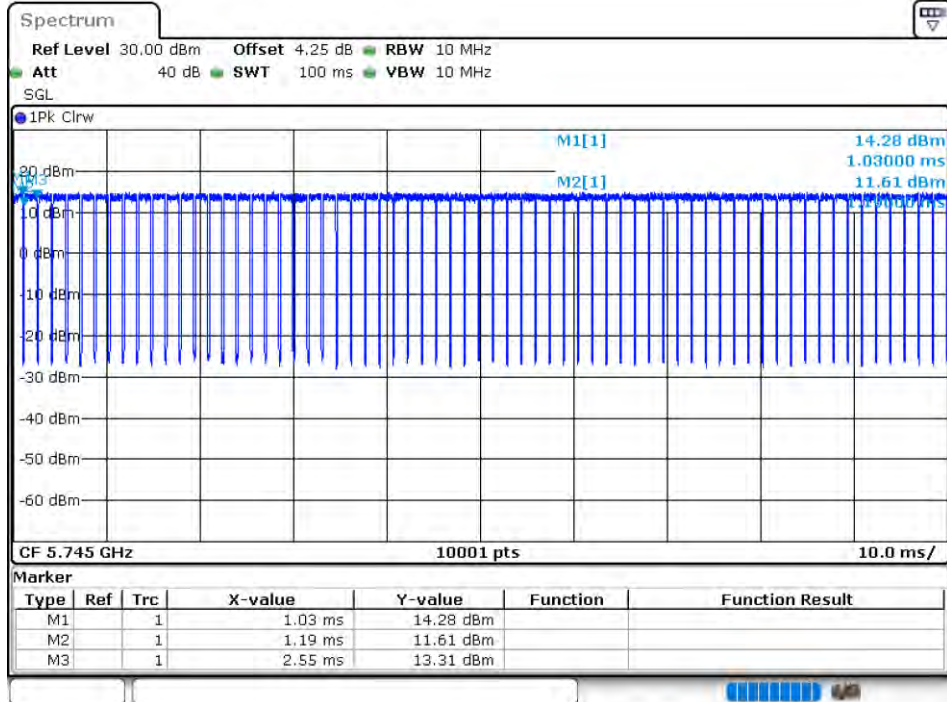
5.8G WIFI

Duty Cycle

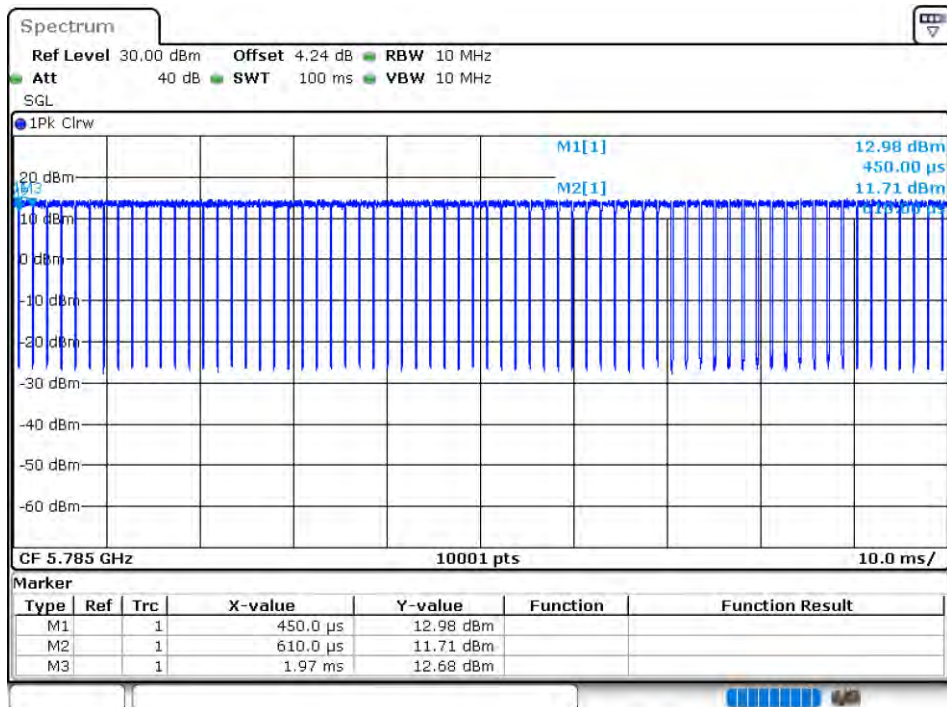
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	90.08	0.45	0.74
NVNT	a	5785	Ant1	90.04	0.46	0.74
NVNT	a	5825	Ant1	90.04	0.46	0.74
NVNT	n20	5745	Ant1	89.58	0.48	0.79
NVNT	n20	5785	Ant1	89.43	0.49	0.78
NVNT	n20	5825	Ant1	89.43	0.49	0.79
NVNT	n40	5755	Ant1	80.96	0.92	1.59
NVNT	n40	5795	Ant1	80.97	0.92	1.59
NVNT	ac20	5745	Ant1	89.51	0.48	0.78
NVNT	ac20	5785	Ant1	89.42	0.49	0.78
NVNT	ac20	5825	Ant1	89.59	0.48	0.78
NVNT	ac40	5755	Ant1	81.13	0.91	1.56
NVNT	ac40	5795	Ant1	81.25	0.9	1.56
NVNT	ac80	5775	Ant1	68.5	1.64	3.23
NVNT	ax20	5745	Ant1	86.95	0.61	1
NVNT	ax20	5785	Ant1	86.96	0.61	1
NVNT	ax20	5825	Ant1	87.1	0.6	1.01
NVNT	ax40	5755	Ant1	78.1	1.07	1.89
NVNT	ax40	5795	Ant1	78.1	1.07	1.89
NVNT	ax80	5775	Ant1	65.81	1.82	3.57

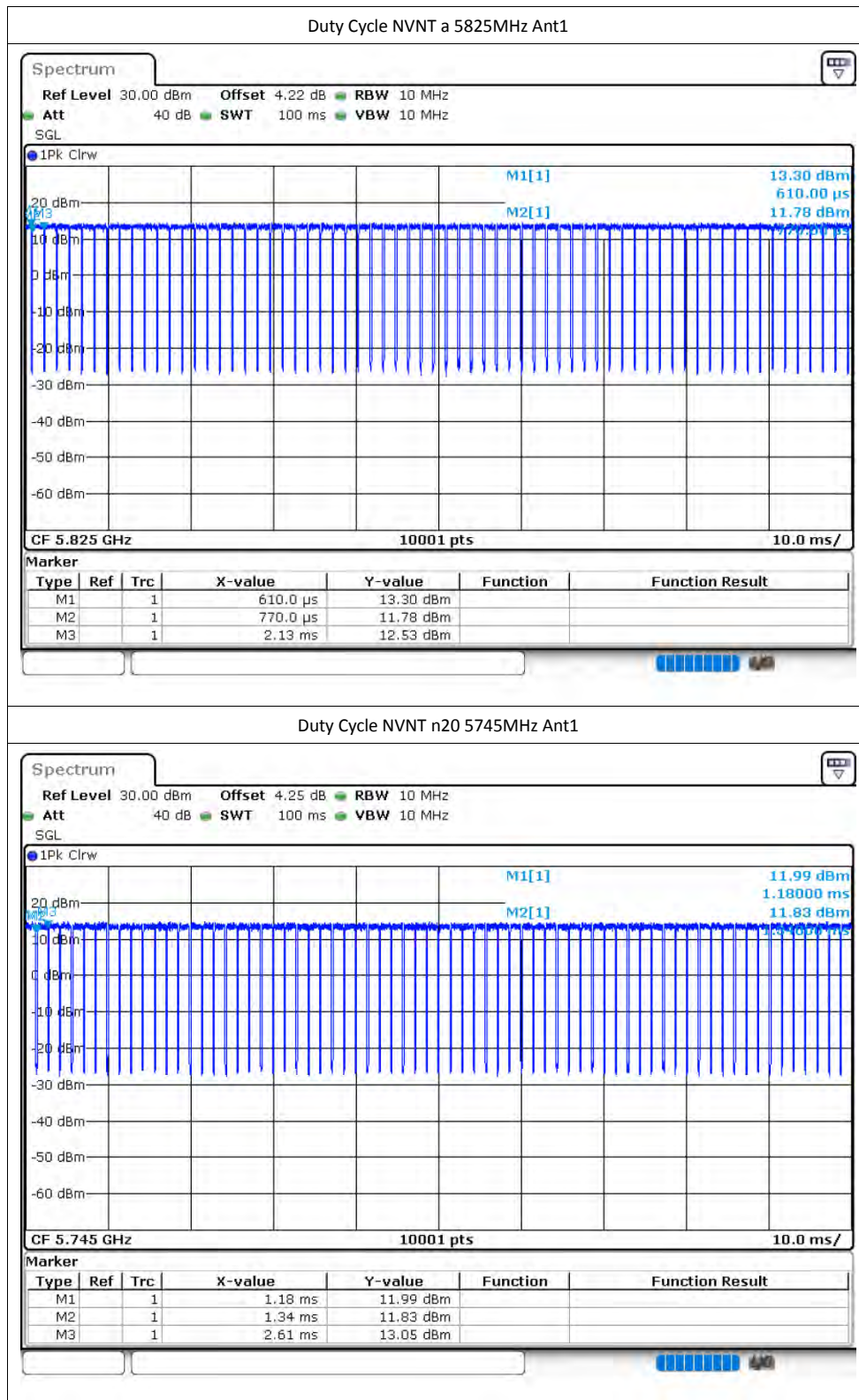
Test Graphs

Duty Cycle NVNT a 5745MHz Ant1

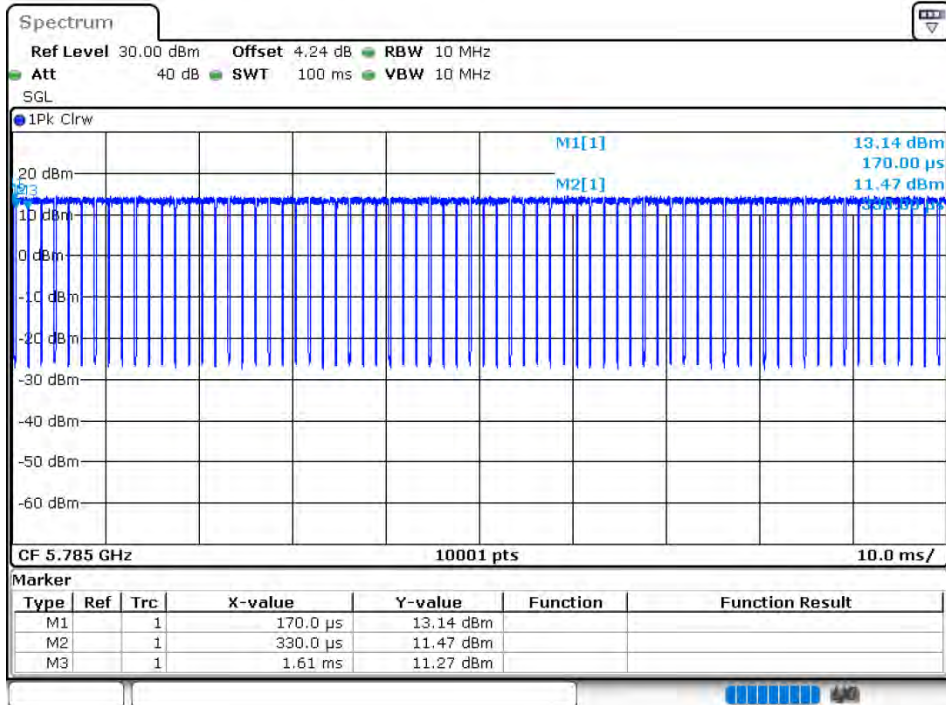


Duty Cycle NVNT a 5785MHz Ant1

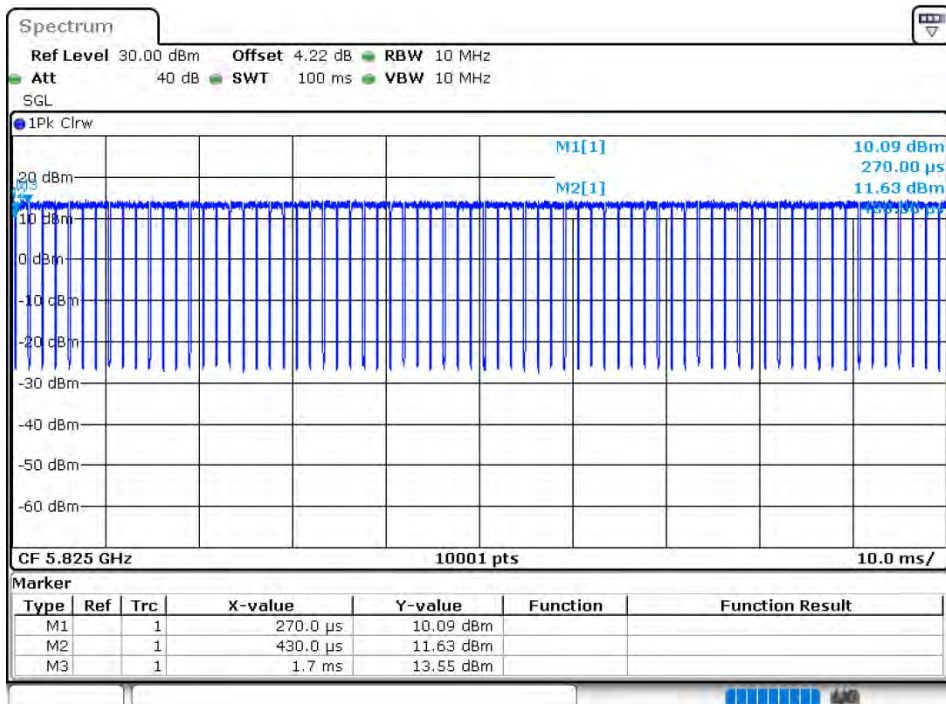




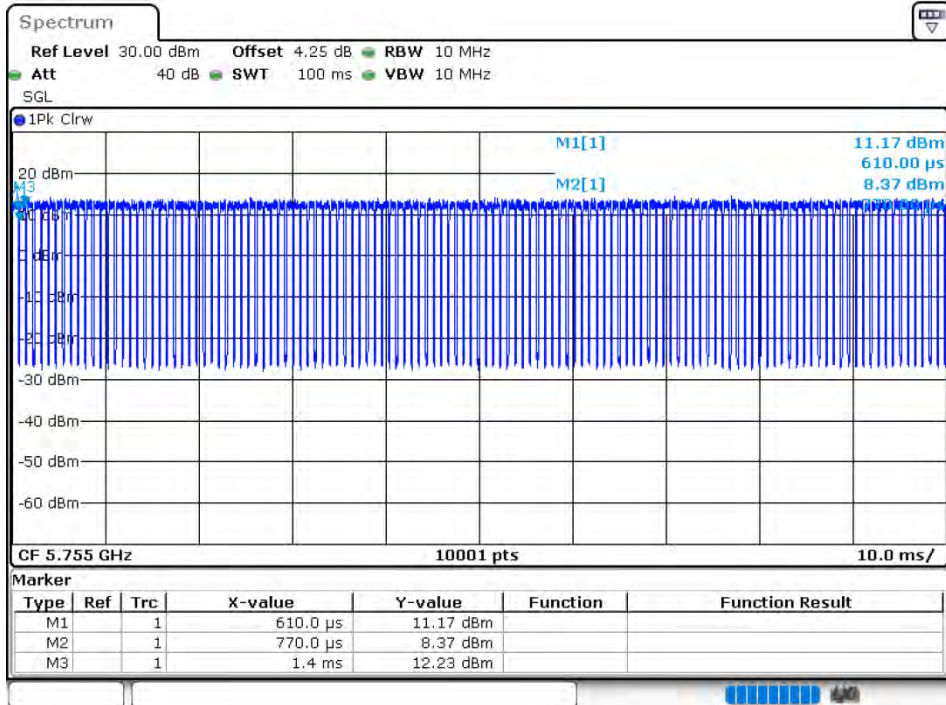
Duty Cycle NVNT n20 5785MHz Ant1



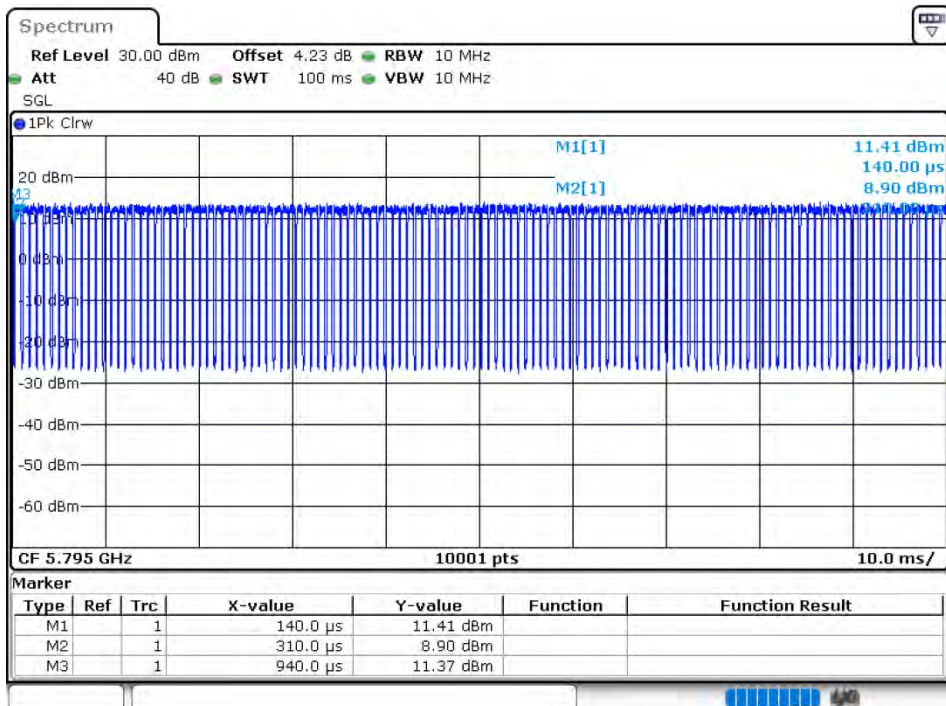
Duty Cycle NVNT n20 5825MHz Ant1



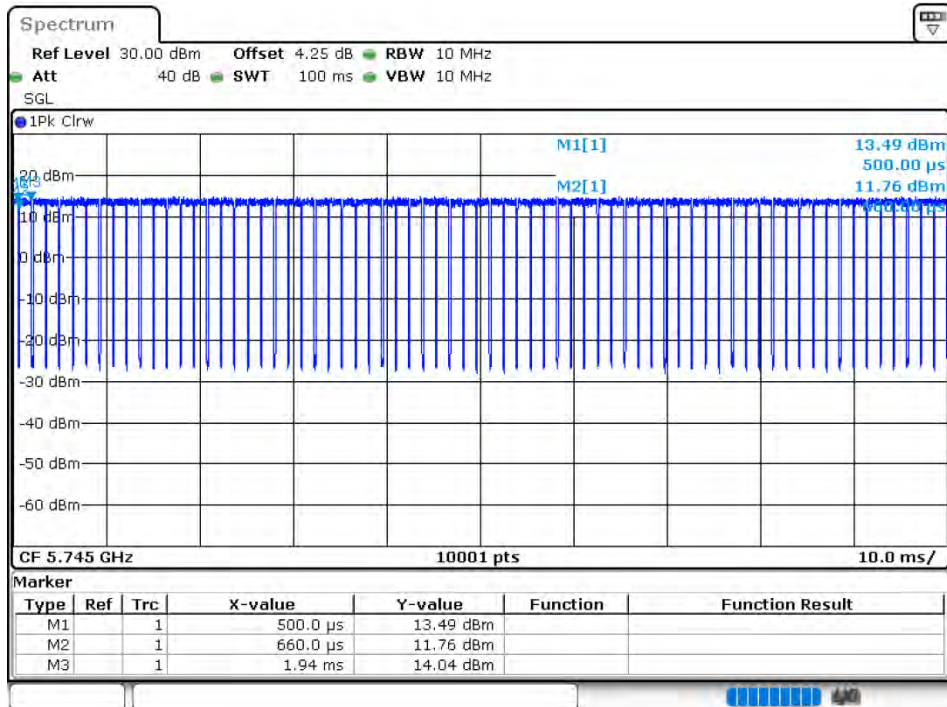
Duty Cycle NVNT n40 5755MHz Ant1



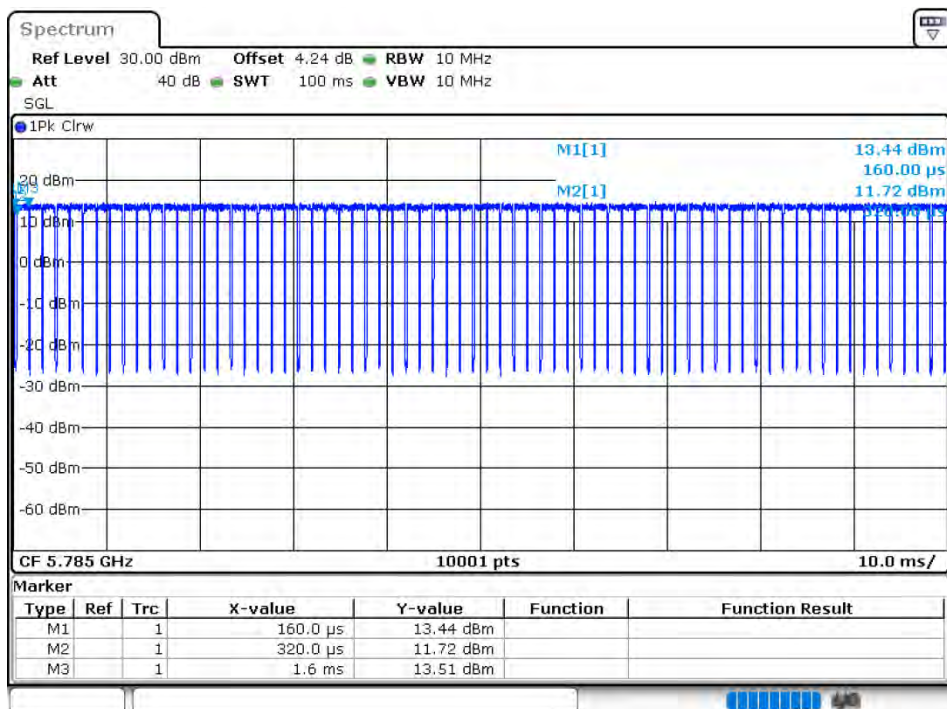
Duty Cycle NVNT n40 5795MHz Ant1

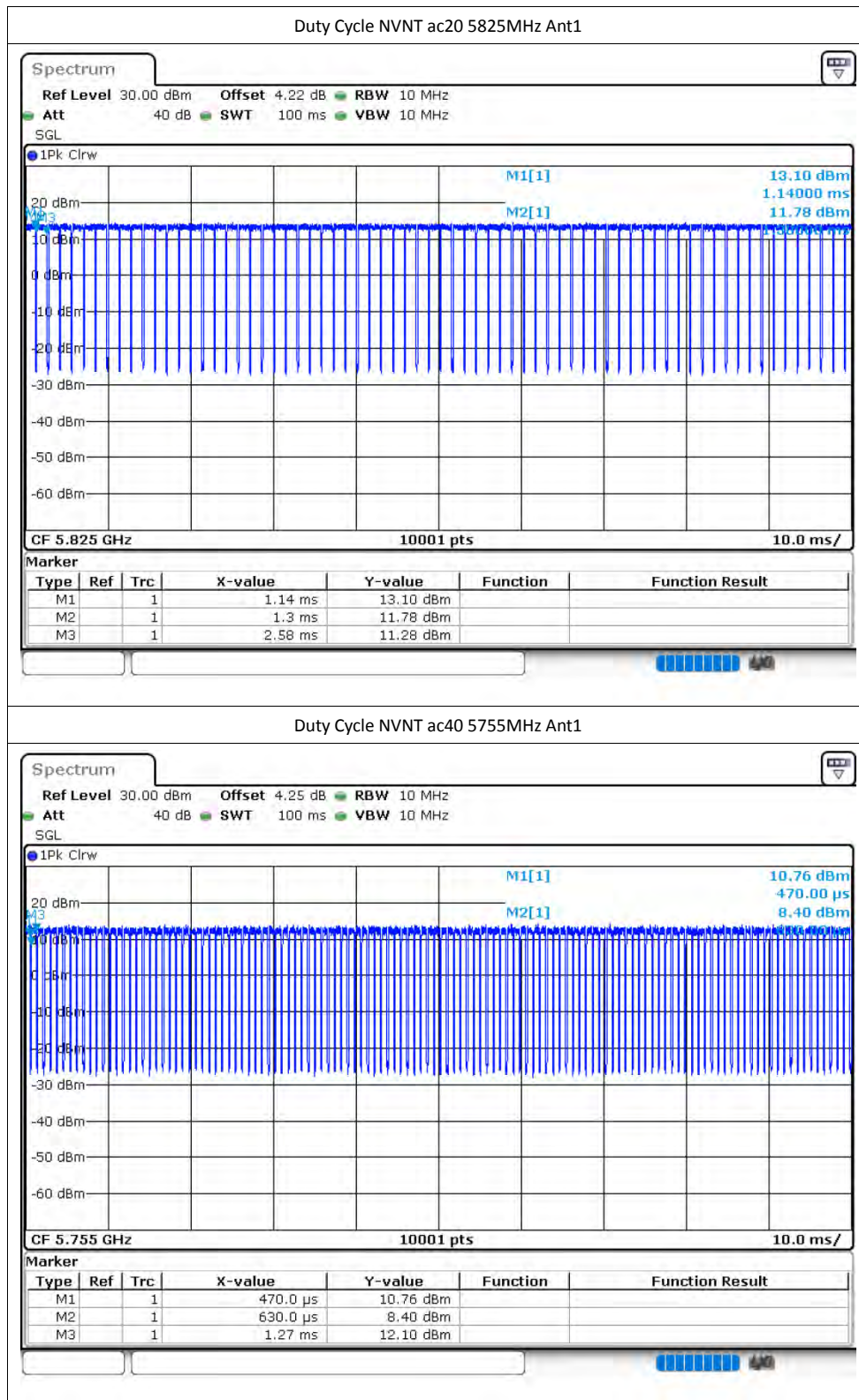


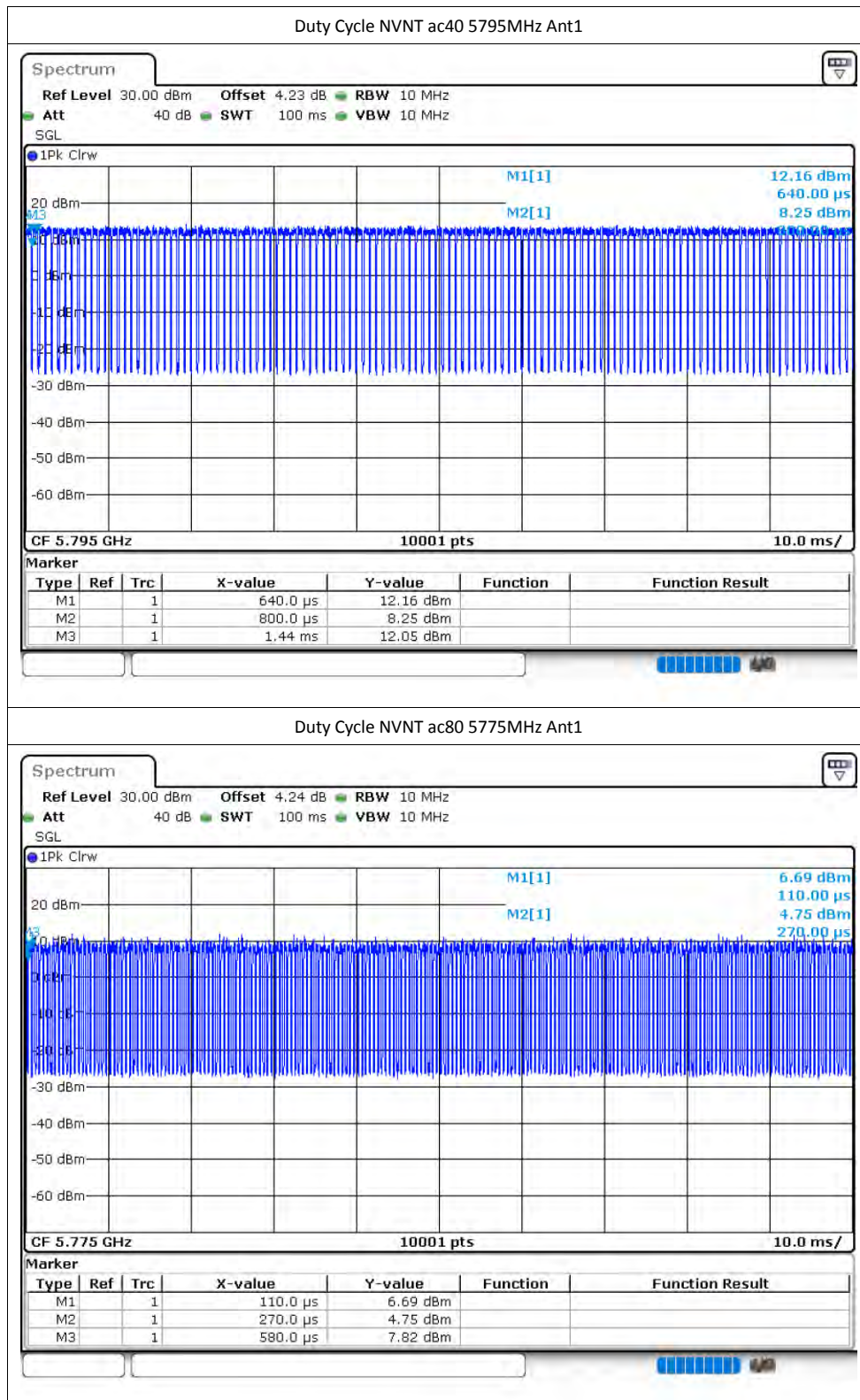
Duty Cycle NVNT ac20 5745MHz Ant1



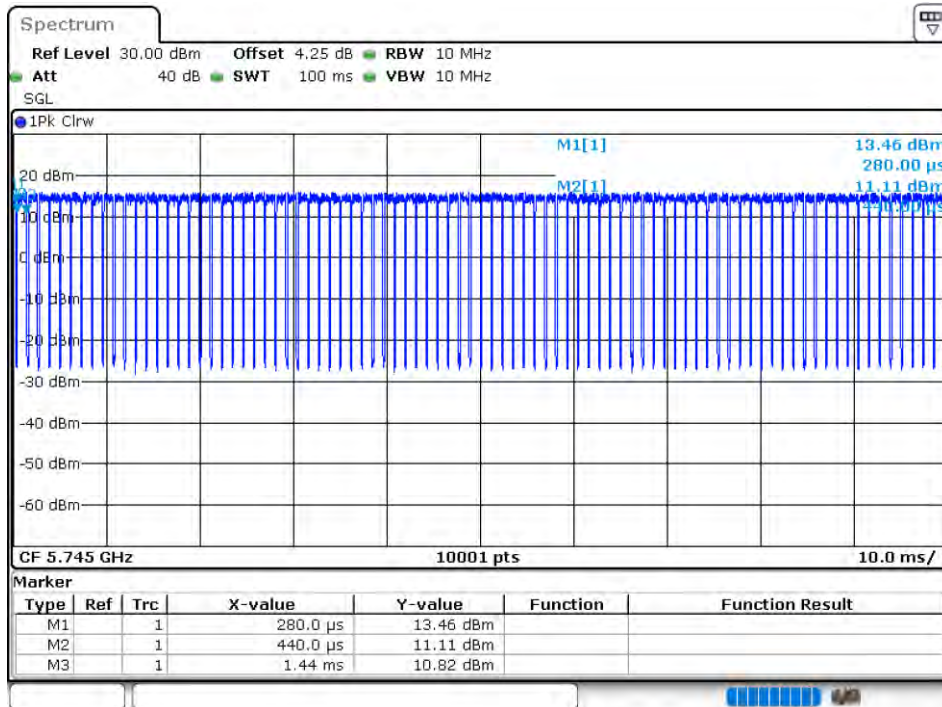
Duty Cycle NVNT ac20 5785MHz Ant1



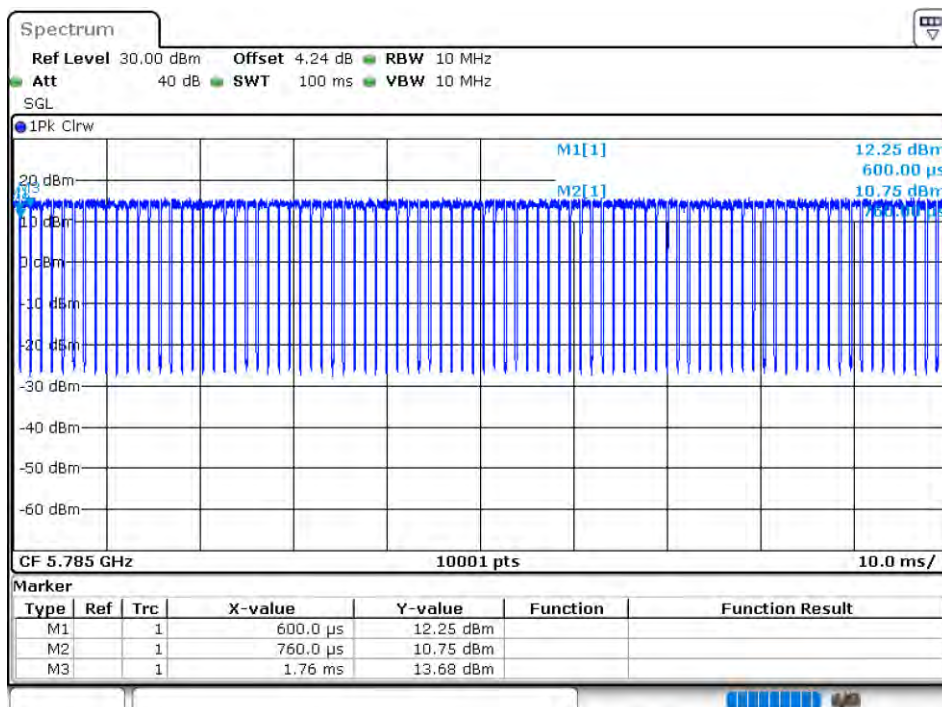


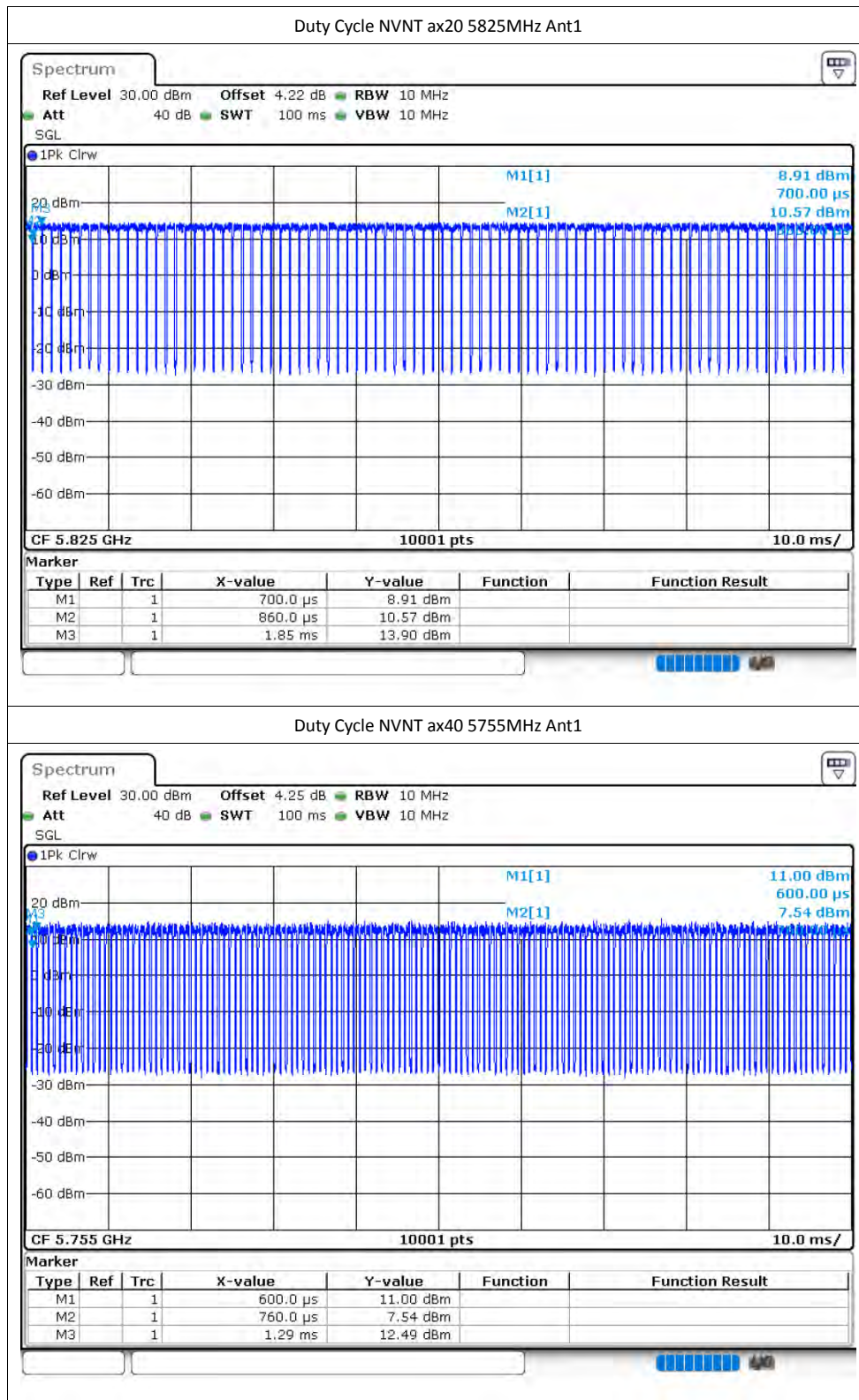


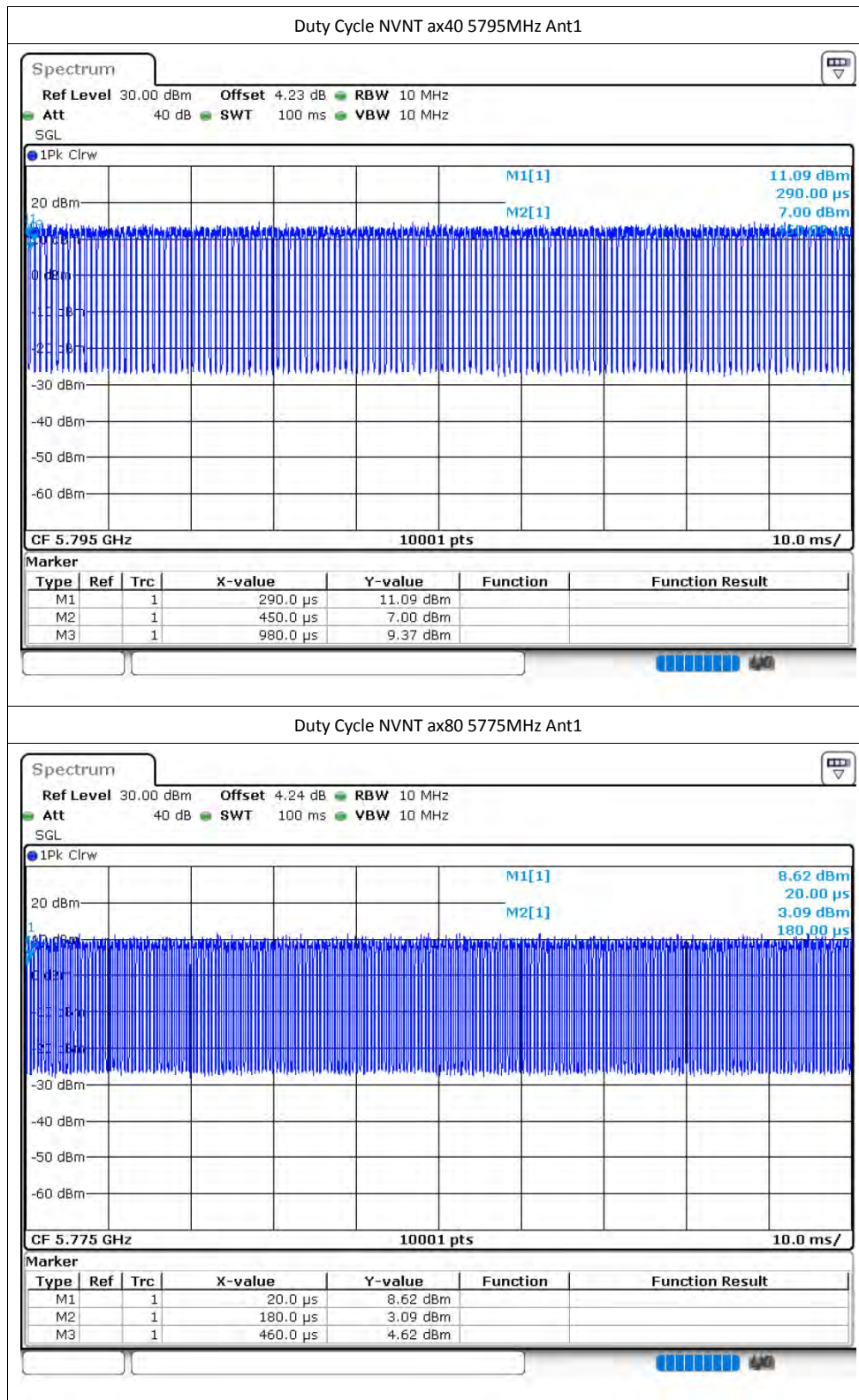
Duty Cycle NVNT ax20 5745MHz Ant1



Duty Cycle NVNT ax20 5785MHz Ant1







Maximum Conducted Output Power

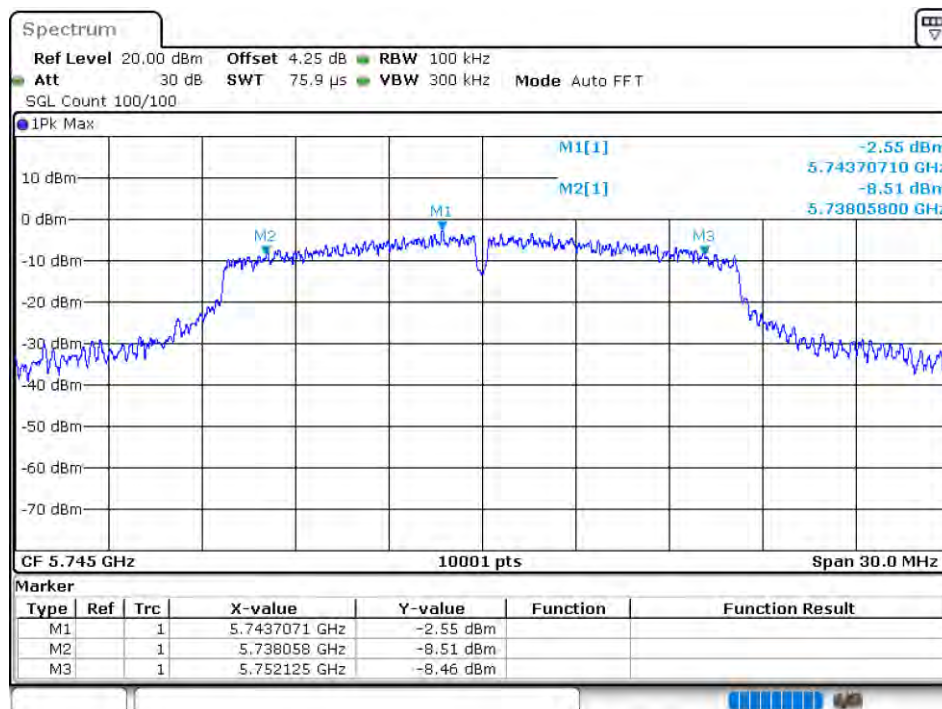
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	10.44	0.45	10.89	30	Pass
NVNT	a	5785	Ant1	11.13	0.46	11.59	30	Pass
NVNT	a	5825	Ant1	10.94	0.46	11.4	30	Pass
NVNT	n20	5745	Ant1	10.31	0.48	10.79	30	Pass
NVNT	n20	5785	Ant1	10.99	0.49	11.48	30	Pass
NVNT	n20	5825	Ant1	10.73	0.49	11.22	30	Pass
NVNT	n40	5755	Ant1	10.49	0.92	11.41	30	Pass
NVNT	n40	5795	Ant1	11.06	0.92	11.98	30	Pass
NVNT	ac20	5745	Ant1	10.41	0.48	10.89	30	Pass
NVNT	ac20	5785	Ant1	11.05	0.49	11.54	30	Pass
NVNT	ac20	5825	Ant1	10.76	0.48	11.24	30	Pass
NVNT	ac40	5755	Ant1	10.62	0.91	11.53	30	Pass
NVNT	ac40	5795	Ant1	11.11	0.9	12.01	30	Pass
NVNT	ac80	5775	Ant1	9.83	1.64	11.47	30	Pass
NVNT	ax20	5745	Ant1	9.76	0.61	10.37	30	Pass
NVNT	ax20	5785	Ant1	9.88	0.61	10.49	30	Pass
NVNT	ax20	5825	Ant1	9.73	0.6	10.33	30	Pass
NVNT	ax40	5755	Ant1	9.51	1.07	10.58	30	Pass
NVNT	ax40	5795	Ant1	9.59	1.07	10.66	30	Pass
NVNT	ax80	5775	Ant1	8.74	1.82	10.56	30	Pass

-6dB Bandwidth

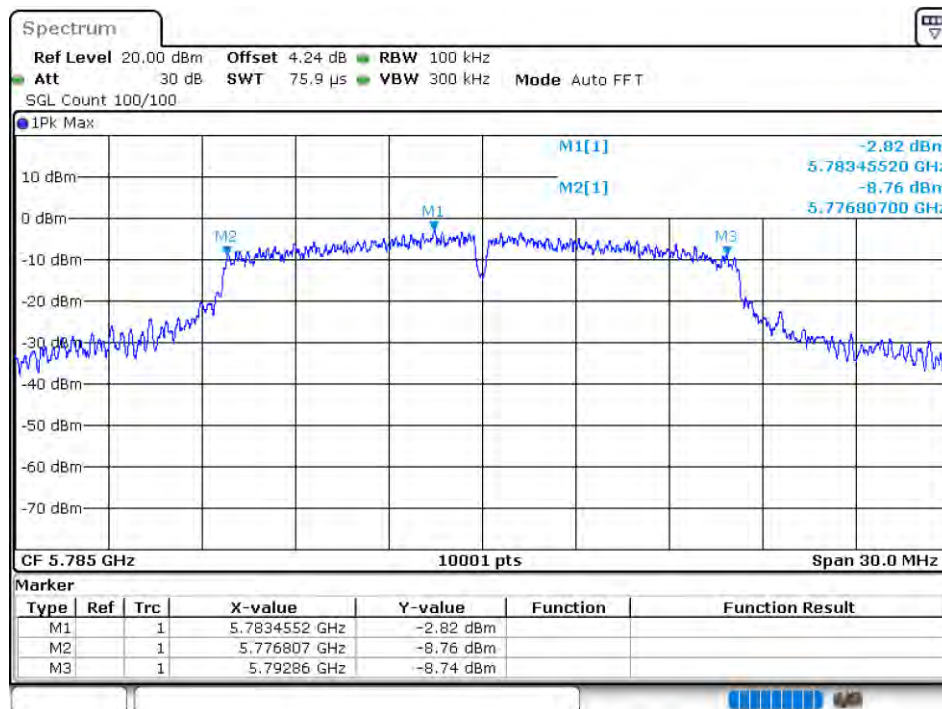
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	14.067	0.5	Pass
NVNT	a	5785	Ant1	16.053	0.5	Pass
NVNT	a	5825	Ant1	16.29	0.5	Pass
NVNT	n20	5745	Ant1	13.845	0.5	Pass
NVNT	n20	5785	Ant1	15.027	0.5	Pass
NVNT	n20	5825	Ant1	12.951	0.5	Pass
NVNT	n40	5755	Ant1	28.83	0.5	Pass
NVNT	n40	5795	Ant1	28.878	0.5	Pass
NVNT	ac20	5745	Ant1	15.084	0.5	Pass
NVNT	ac20	5785	Ant1	14.664	0.5	Pass
NVNT	ac20	5825	Ant1	12.651	0.5	Pass
NVNT	ac40	5755	Ant1	32.514	0.5	Pass
NVNT	ac40	5795	Ant1	35.346	0.5	Pass
NVNT	ac80	5775	Ant1	75.144	0.5	Pass
NVNT	ax20	5745	Ant1	17.349	0.5	Pass
NVNT	ax20	5785	Ant1	17.895	0.5	Pass
NVNT	ax20	5825	Ant1	14.145	0.5	Pass
NVNT	ax40	5755	Ant1	35.874	0.5	Pass
NVNT	ax40	5795	Ant1	35.058	0.5	Pass
NVNT	ax80	5775	Ant1	77.148	0.5	Pass

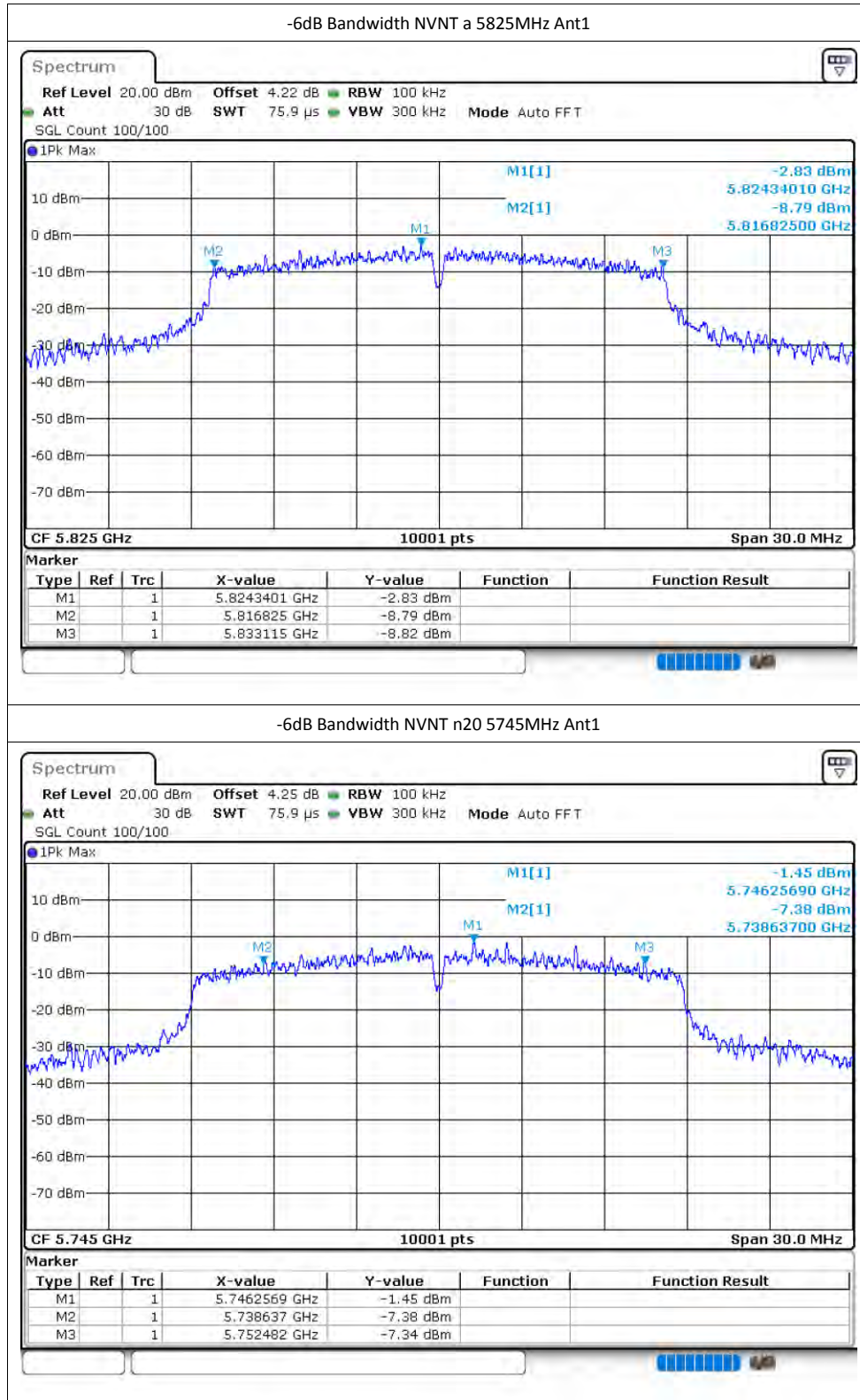
Test Graphs

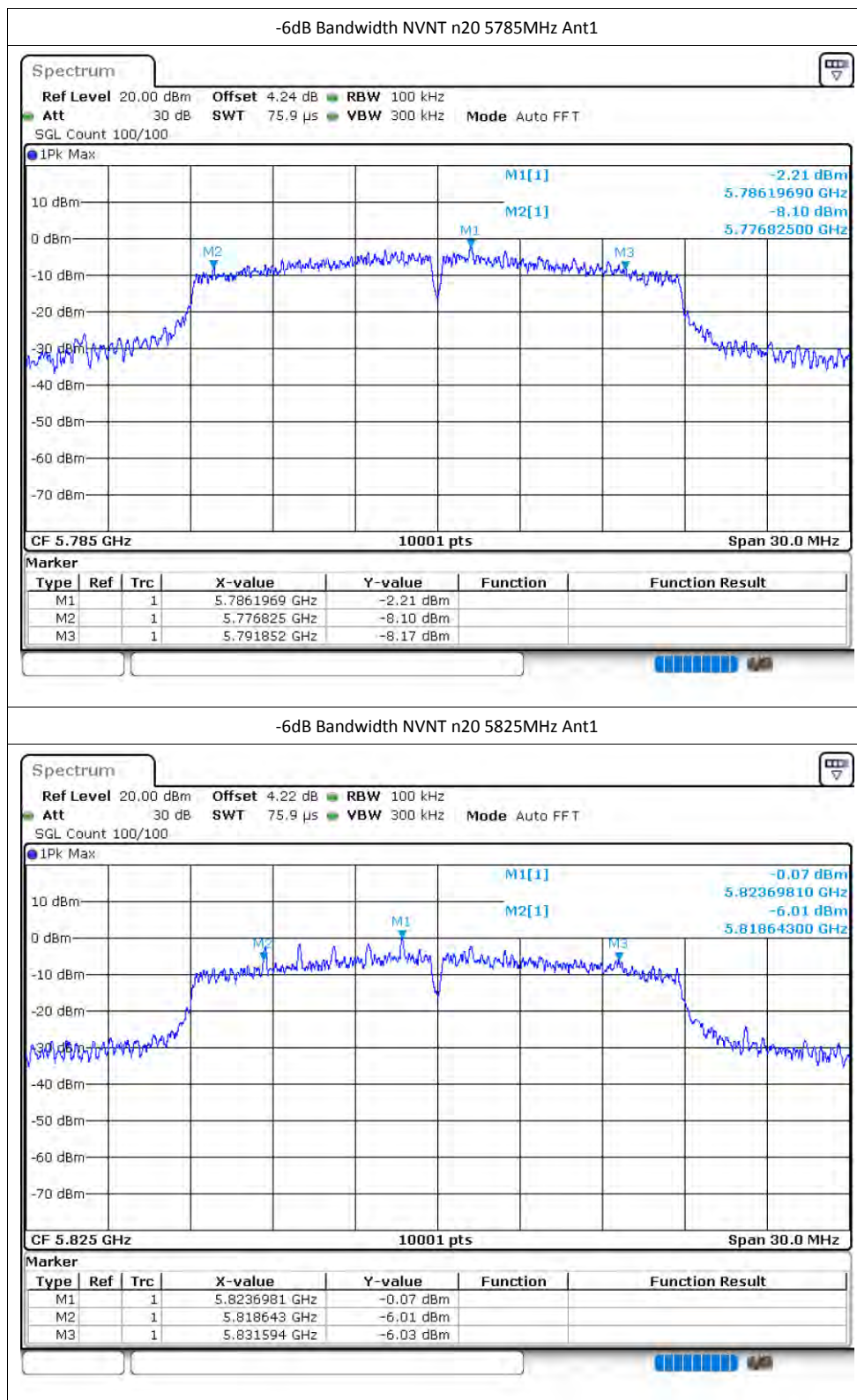
-6dB Bandwidth NVNT a 5745MHz Ant1



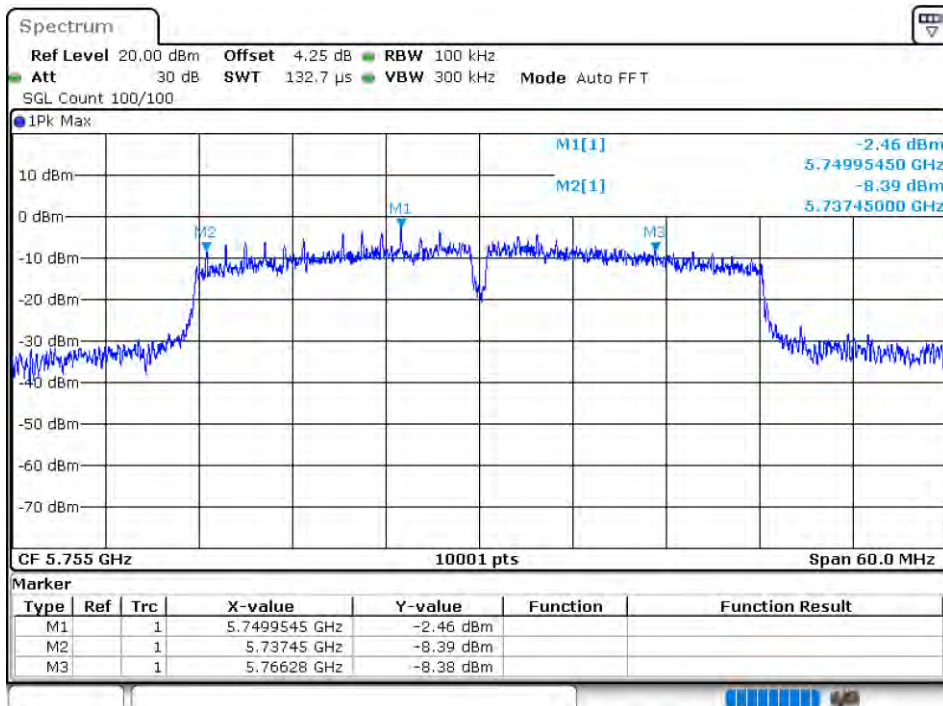
-6dB Bandwidth NVNT a 5785MHz Ant1



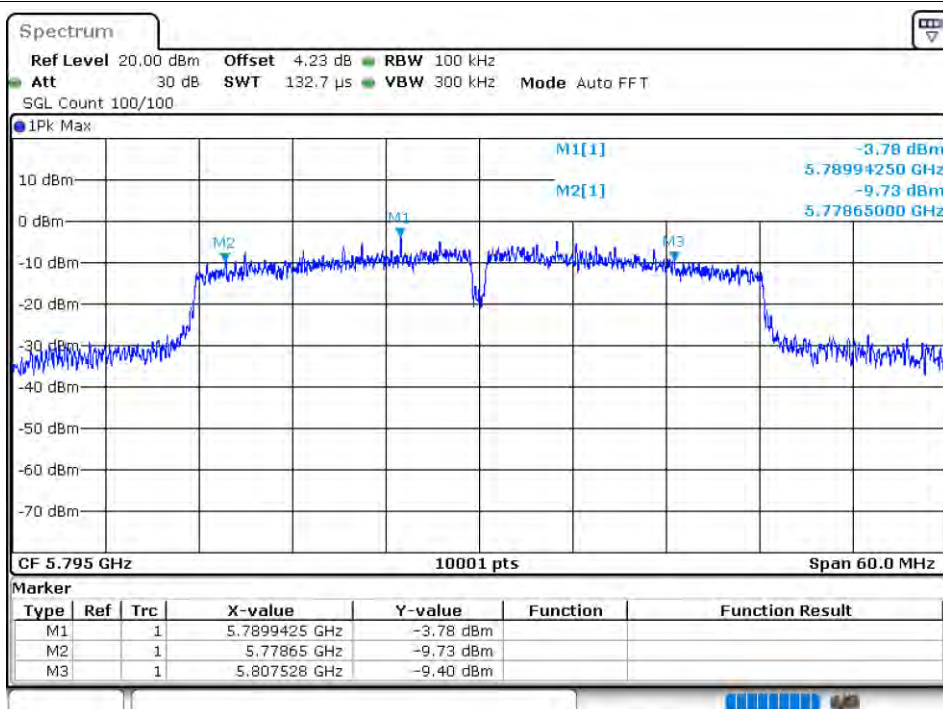




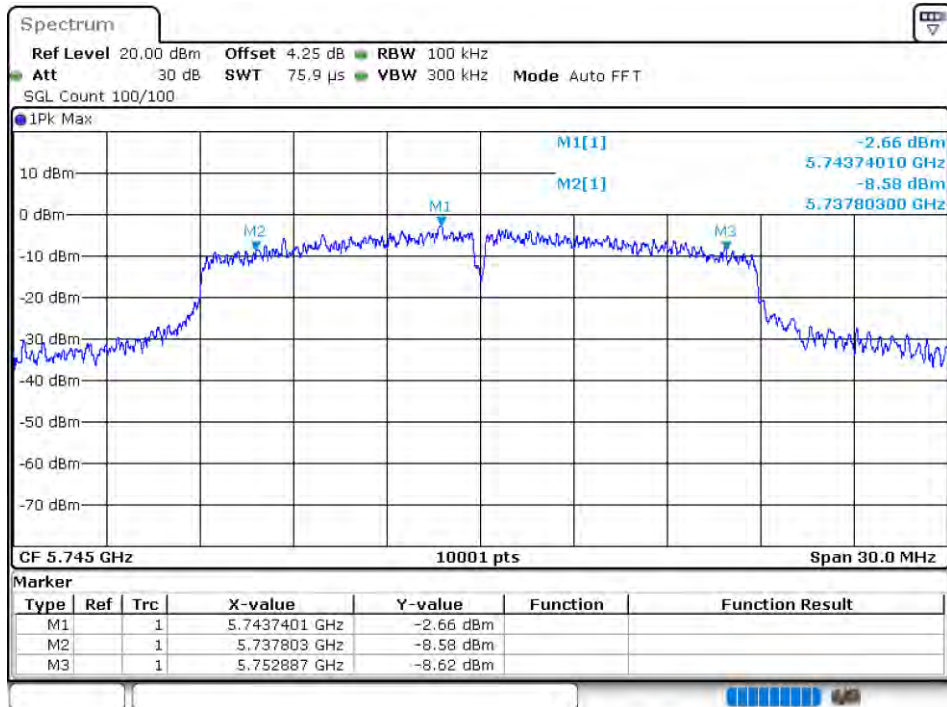
-6dB Bandwidth NVNT n40 5755MHz Ant1



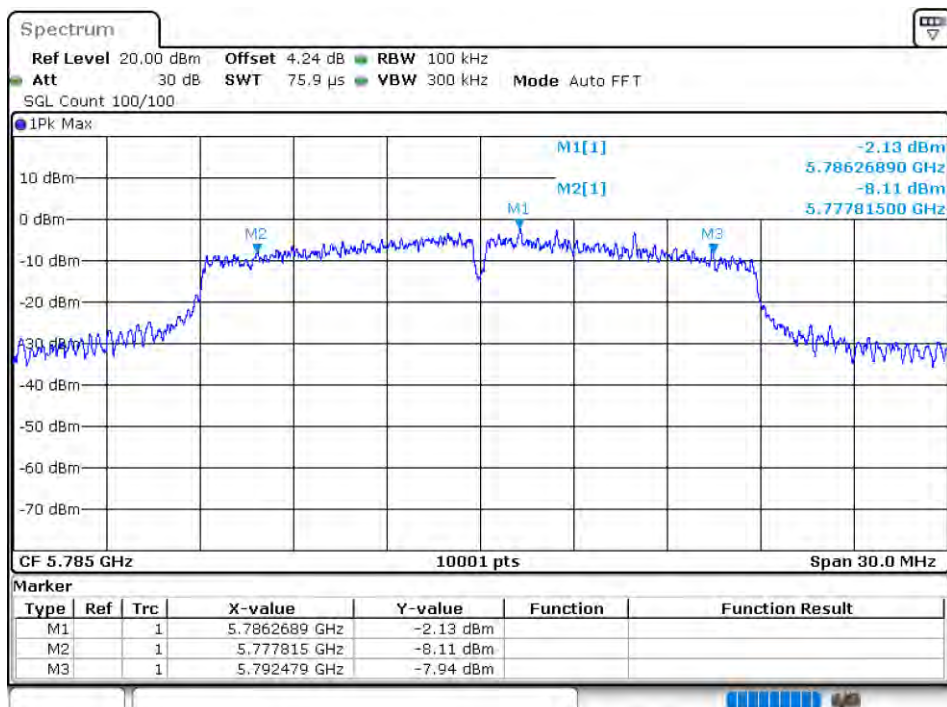
-6dB Bandwidth NVNT n40 5795MHz Ant1

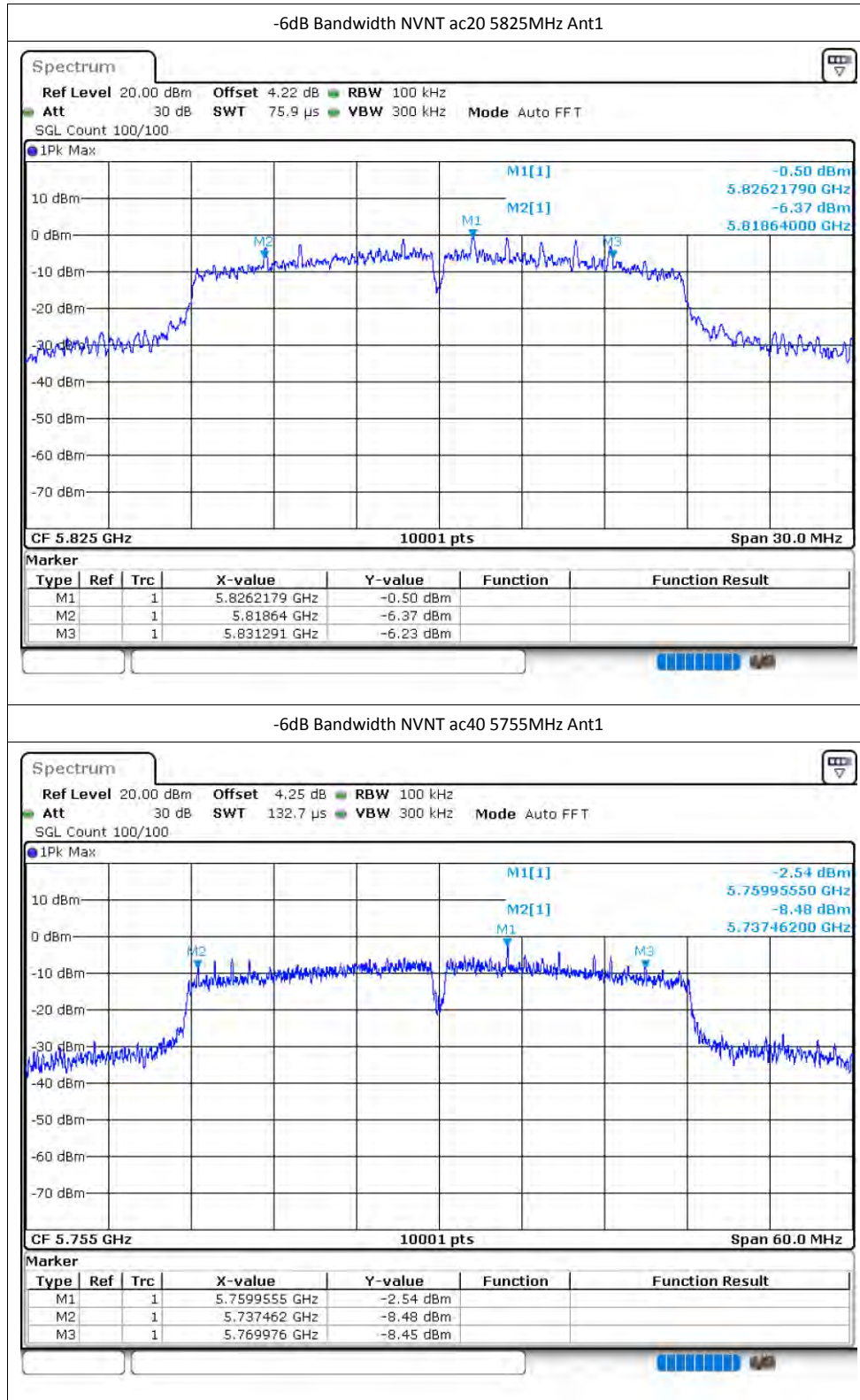


-6dB Bandwidth NVNT ac20 5745MHz Ant1

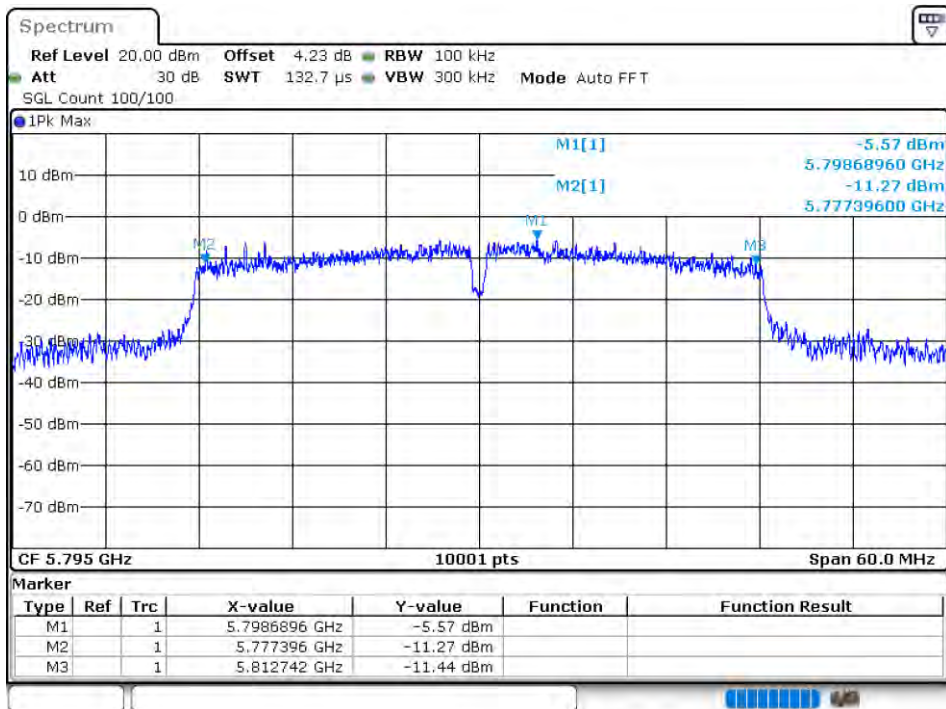


-6dB Bandwidth NVNT ac20 5785MHz Ant1

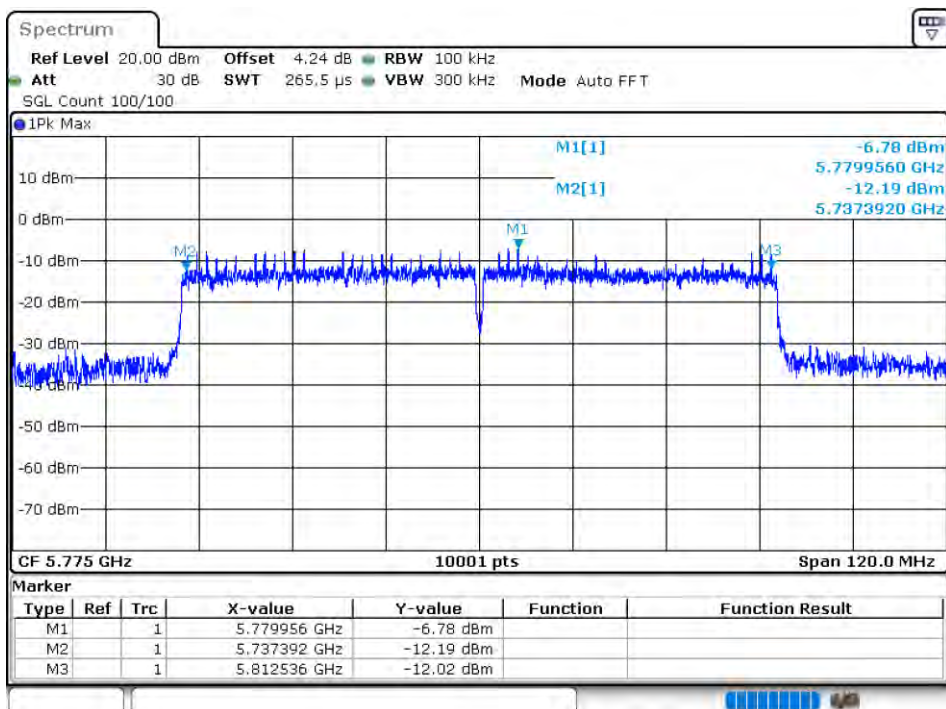




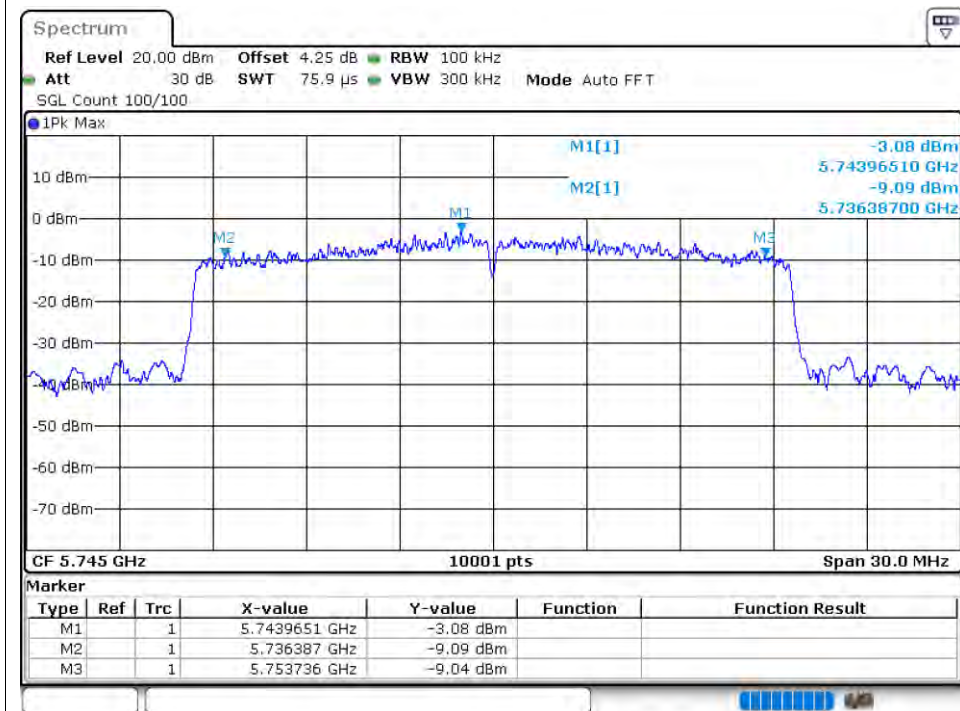
-6dB Bandwidth NVNT ac40 5795MHz Ant1



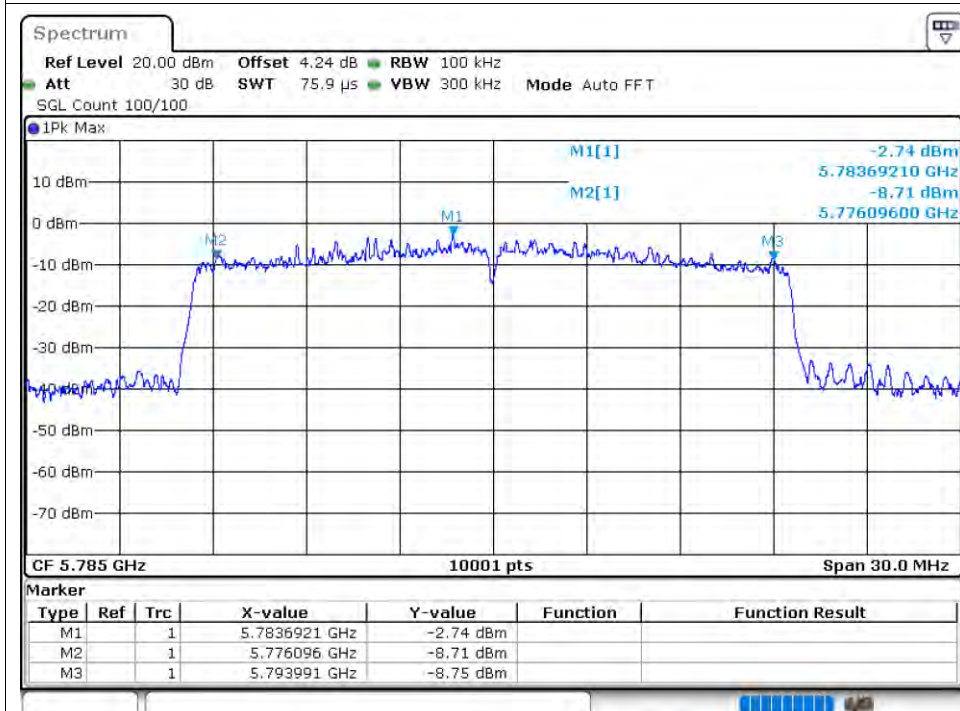
-6dB Bandwidth NVNT ac80 5775MHz Ant1



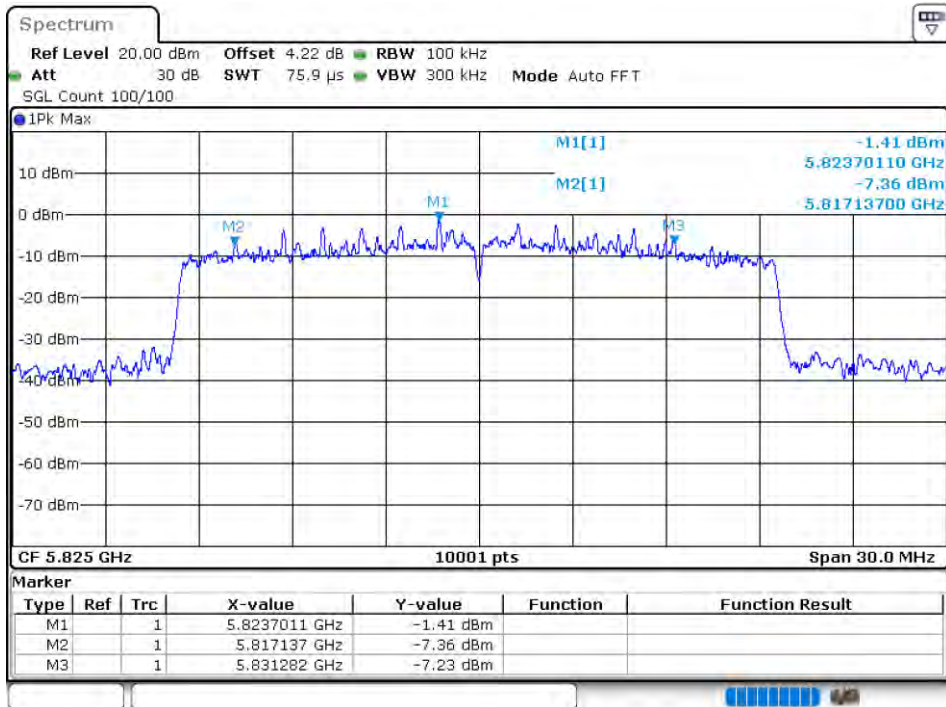
-6dB Bandwidth NVNT ax20 5745MHz Ant1



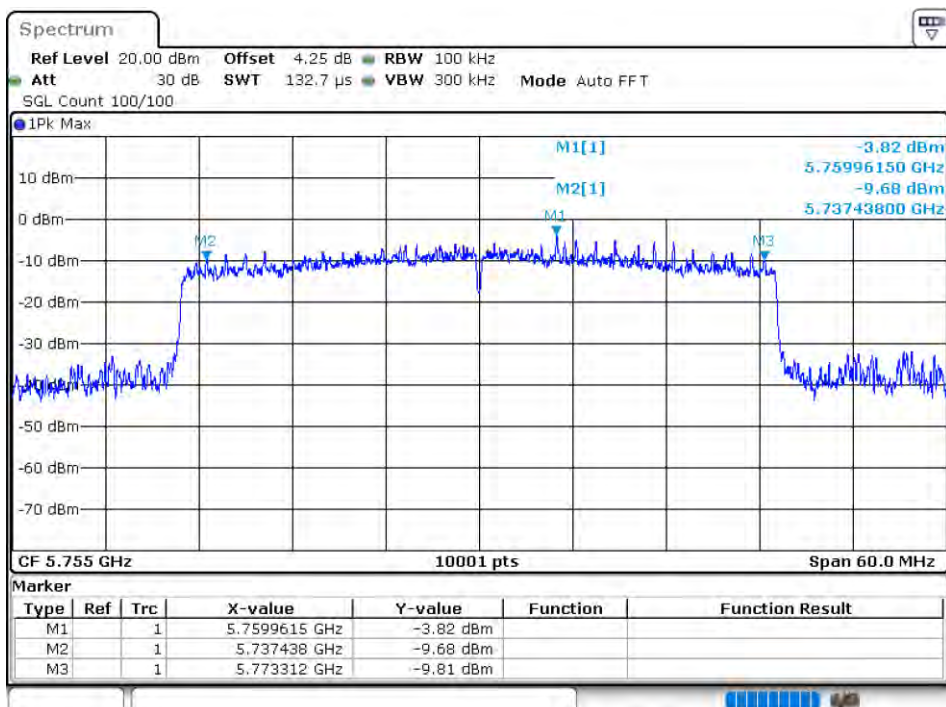
-6dB Bandwidth NVNT ax20 5785MHz Ant1



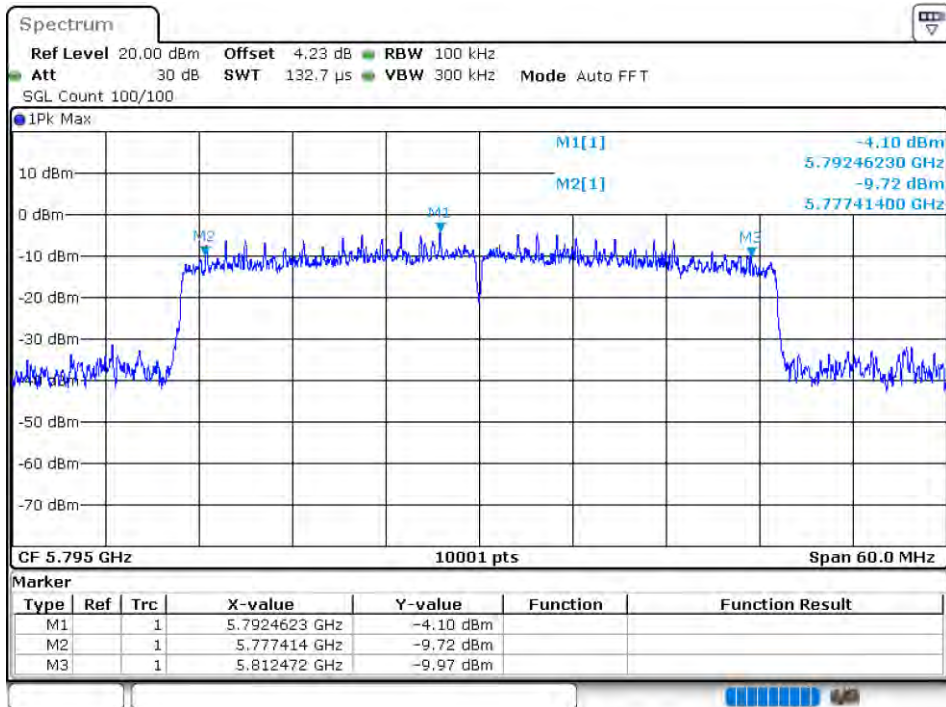
-6dB Bandwidth NVNT ax20 5825MHz Ant1



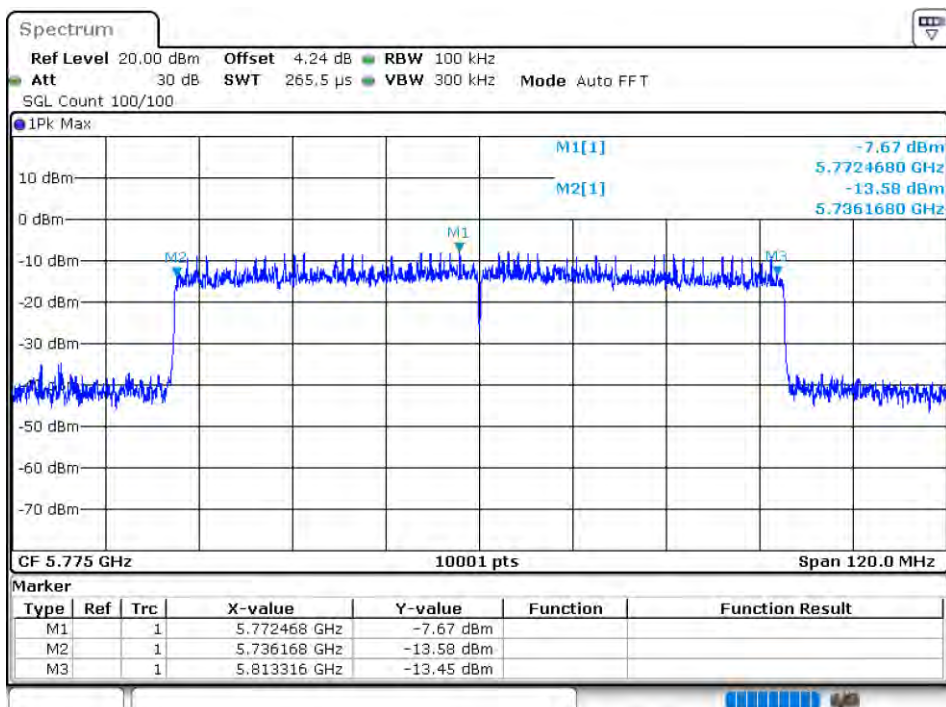
-6dB Bandwidth NVNT ax40 5755MHz Ant1



-6dB Bandwidth NVNT ax40 5795MHz Ant1



-6dB Bandwidth NVNT ax80 5775MHz Ant1

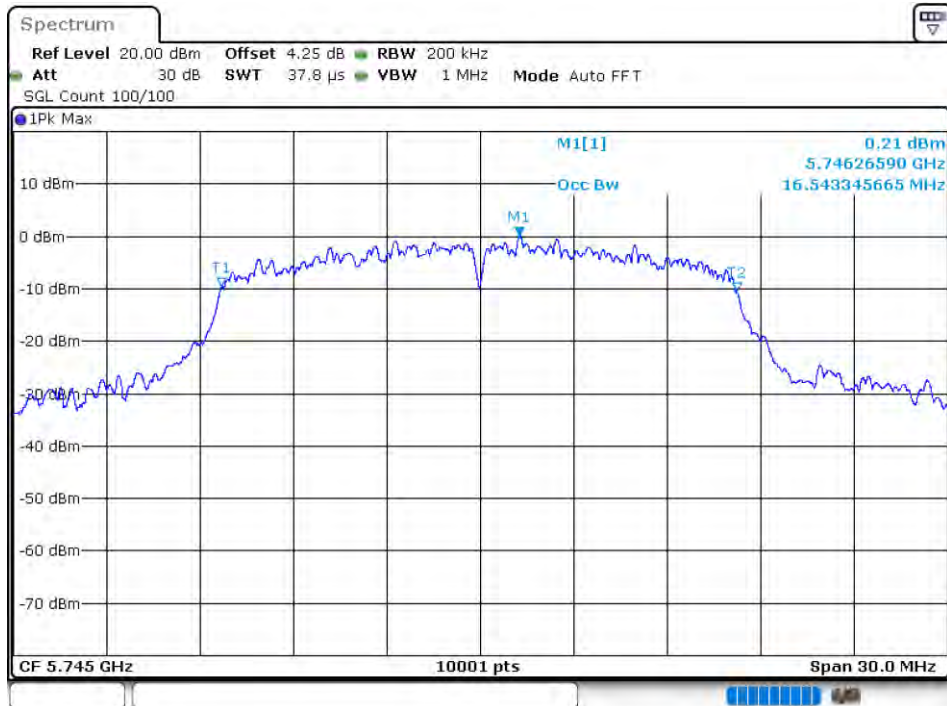


Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.543
NVNT	a	5785	Ant1	16.789
NVNT	a	5825	Ant1	16.693
NVNT	n20	5745	Ant1	17.671
NVNT	n20	5785	Ant1	17.644
NVNT	n20	5825	Ant1	17.617
NVNT	n40	5755	Ant1	36.29
NVNT	n40	5795	Ant1	36.422
NVNT	ac20	5745	Ant1	17.593
NVNT	ac20	5785	Ant1	17.746
NVNT	ac20	5825	Ant1	17.677
NVNT	ac40	5755	Ant1	36.314
NVNT	ac40	5795	Ant1	36.38
NVNT	ac80	5775	Ant1	76.012
NVNT	ax20	5745	Ant1	18.724
NVNT	ax20	5785	Ant1	18.76
NVNT	ax20	5825	Ant1	18.712
NVNT	ax40	5755	Ant1	37.544
NVNT	ax40	5795	Ant1	37.628
NVNT	ax80	5775	Ant1	77.2

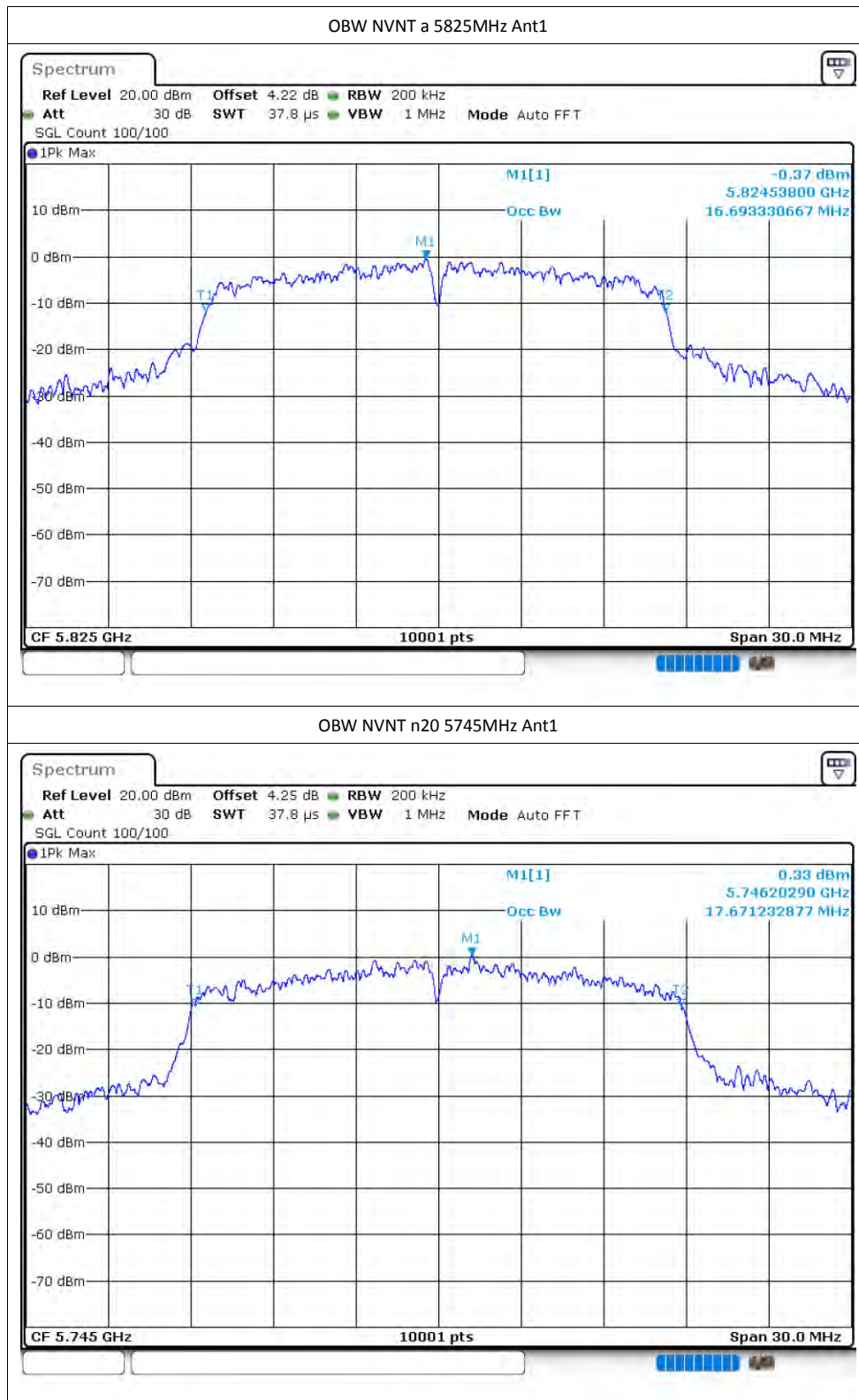
Test Graphs

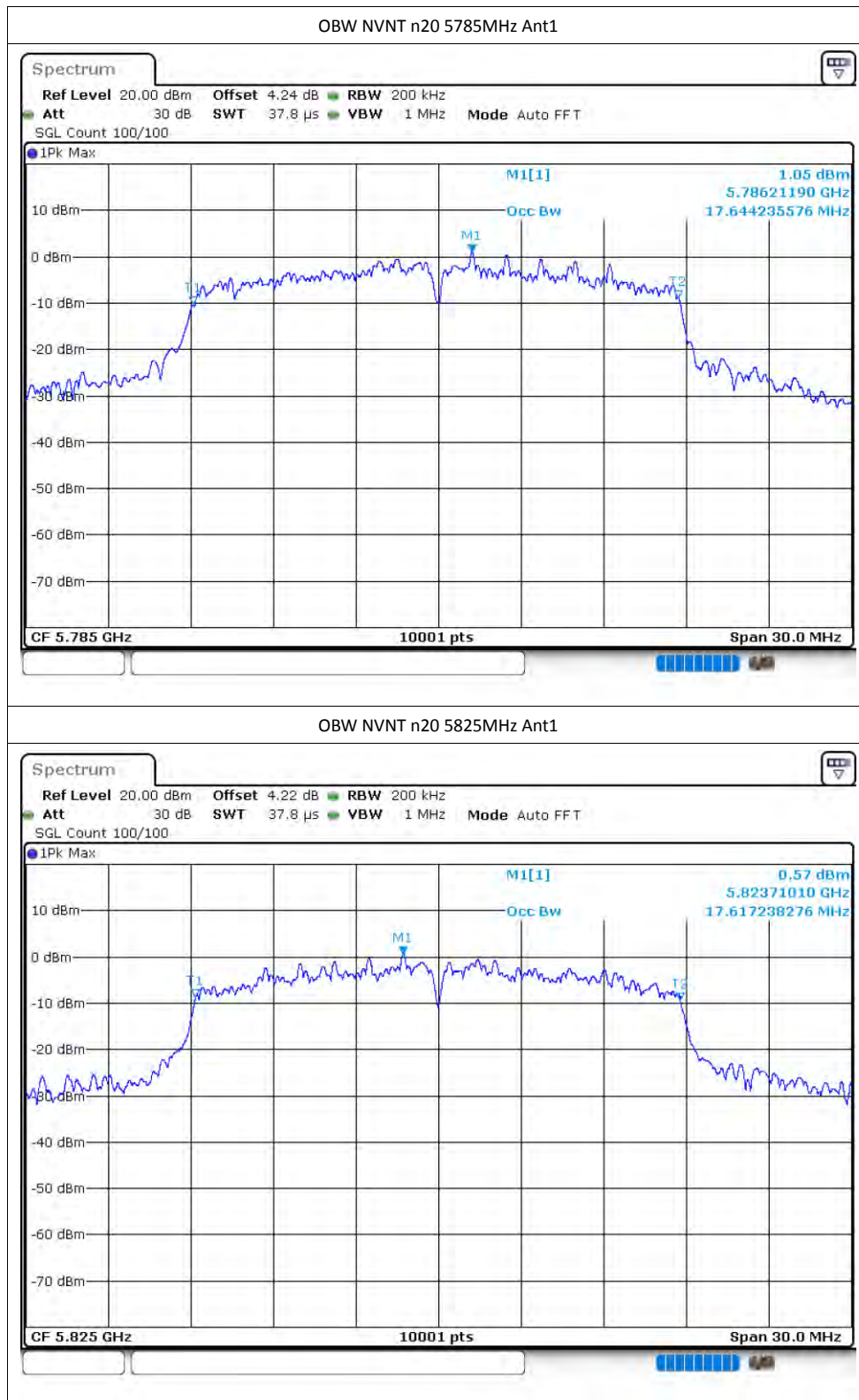
OBW NVNT a 5745MHz Ant1

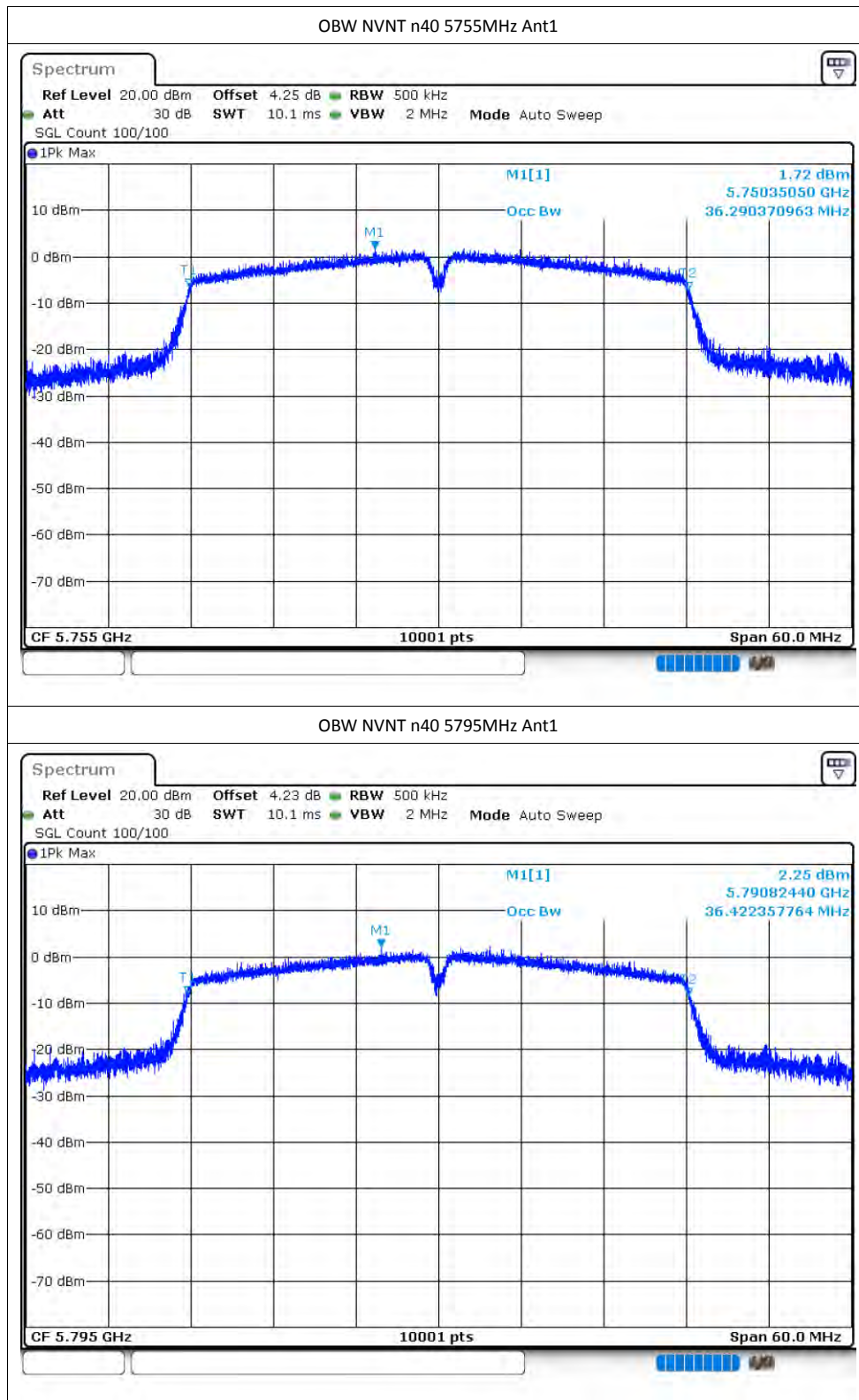


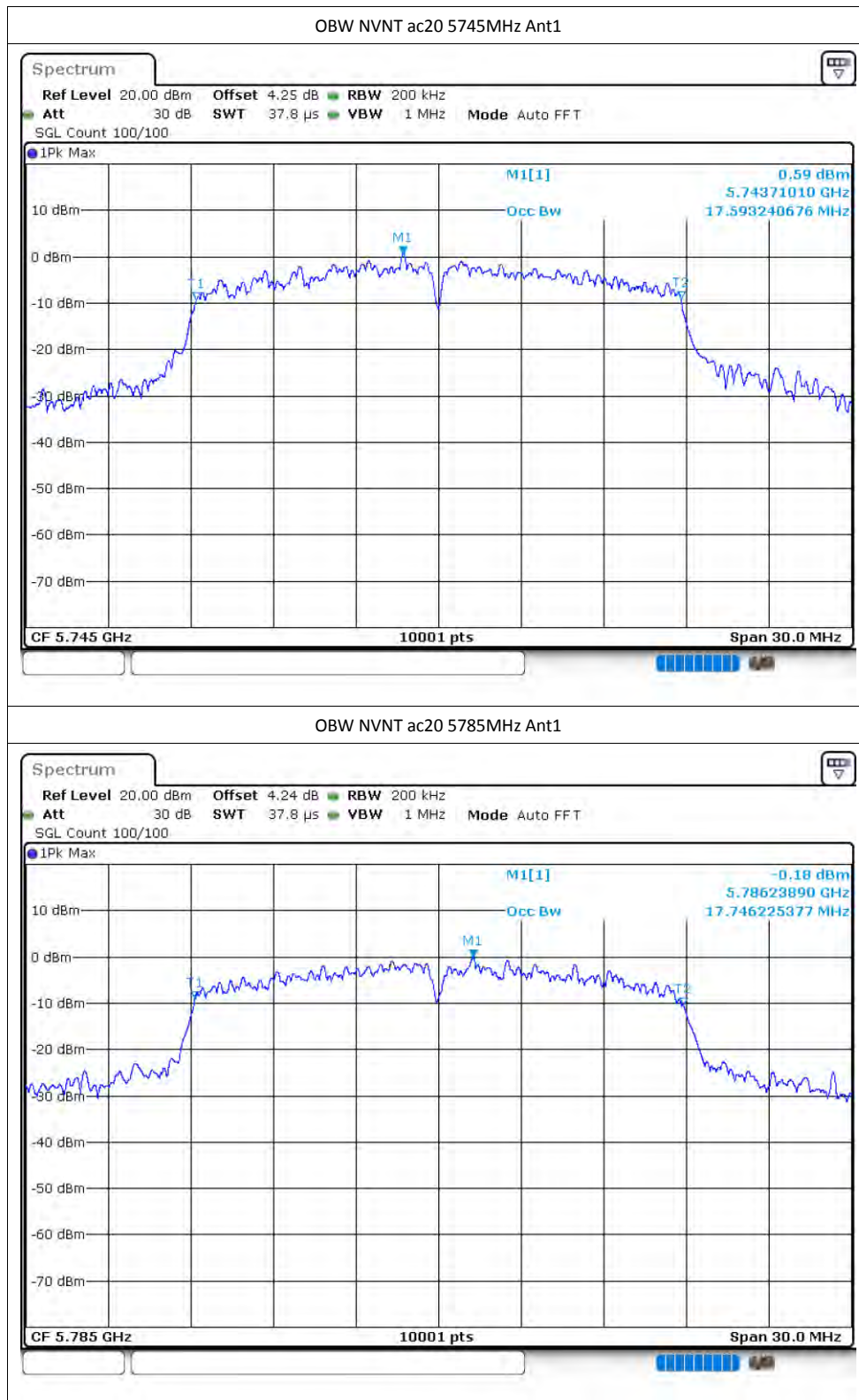
OBW NVNT a 5785MHz Ant1

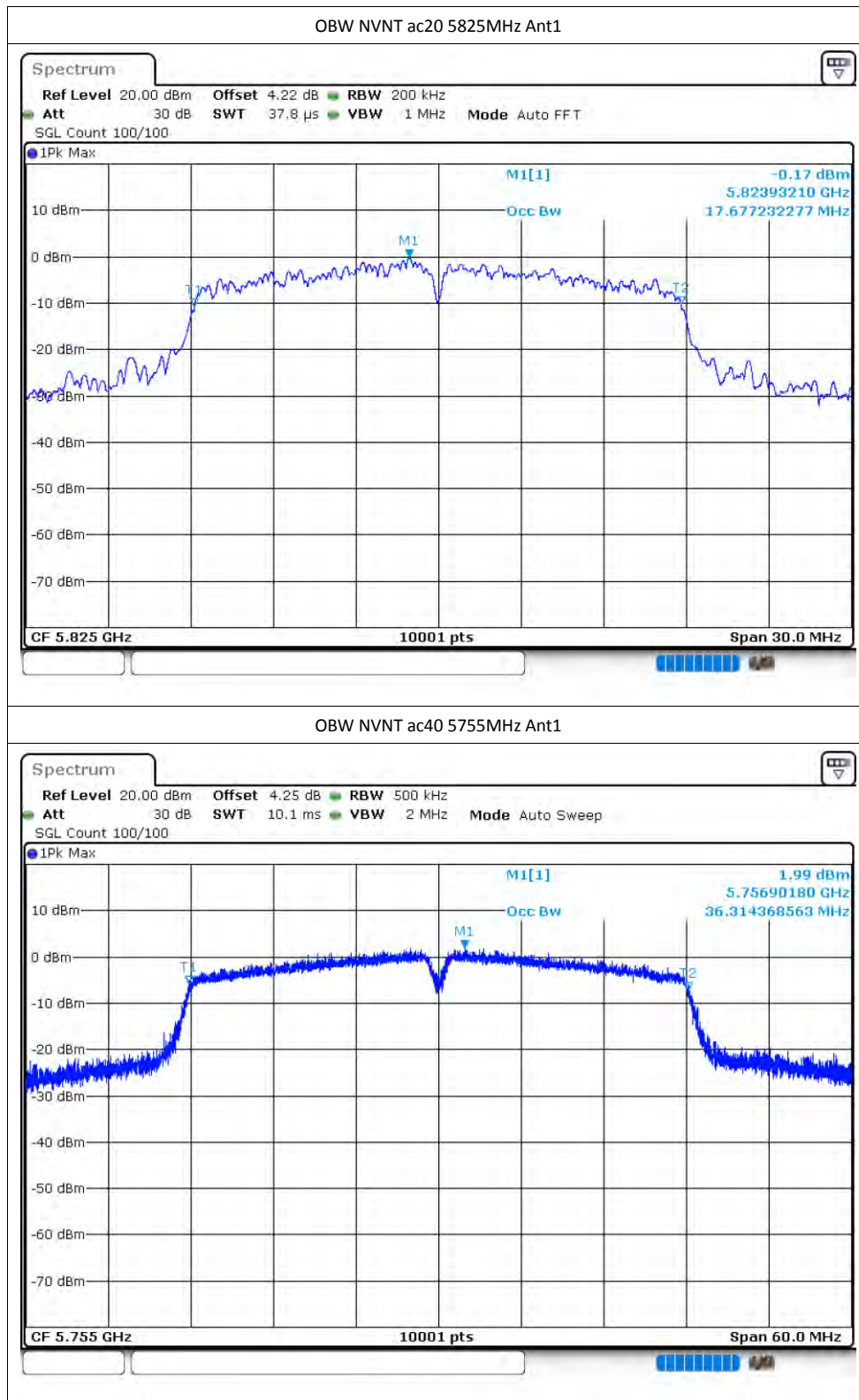


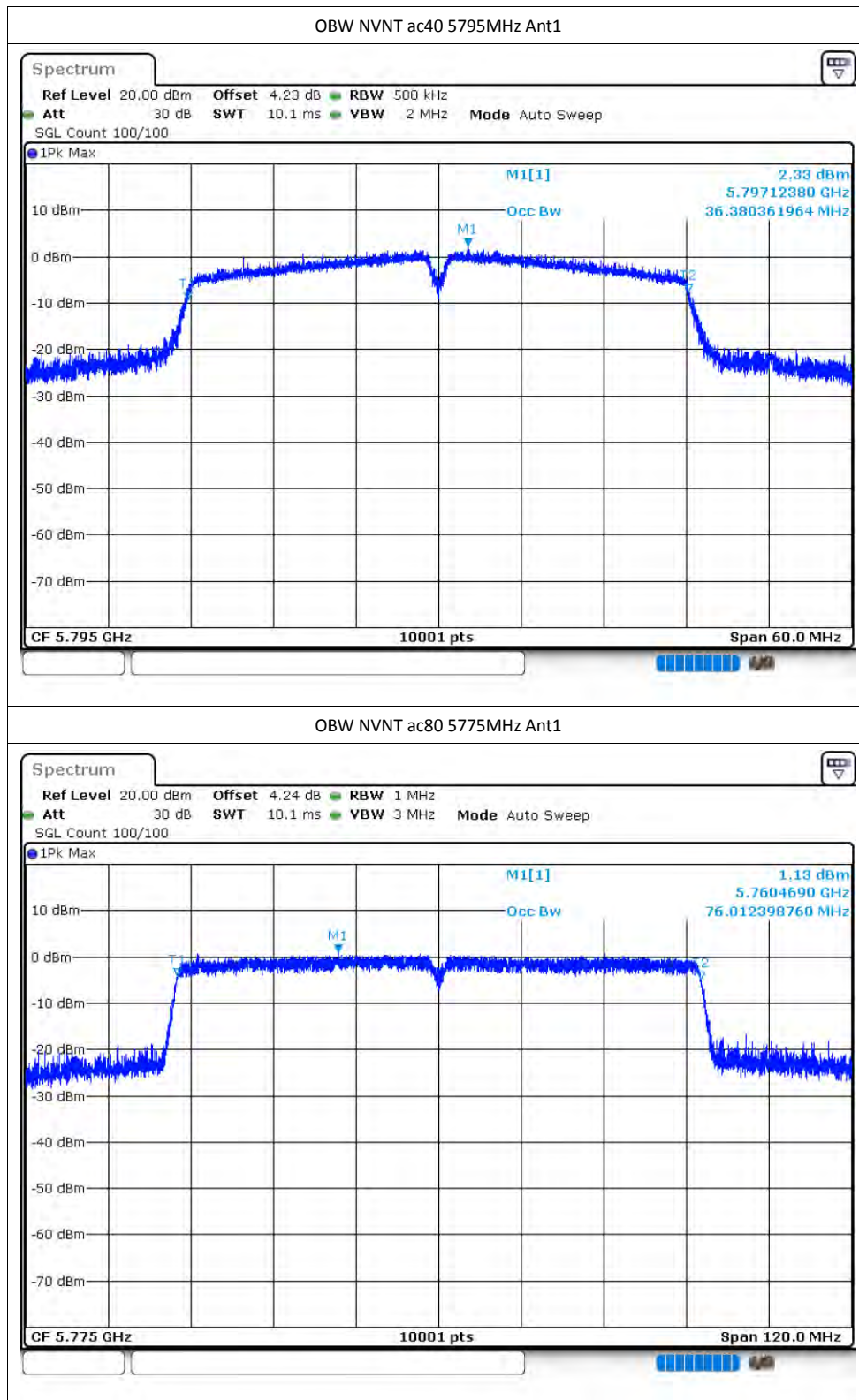


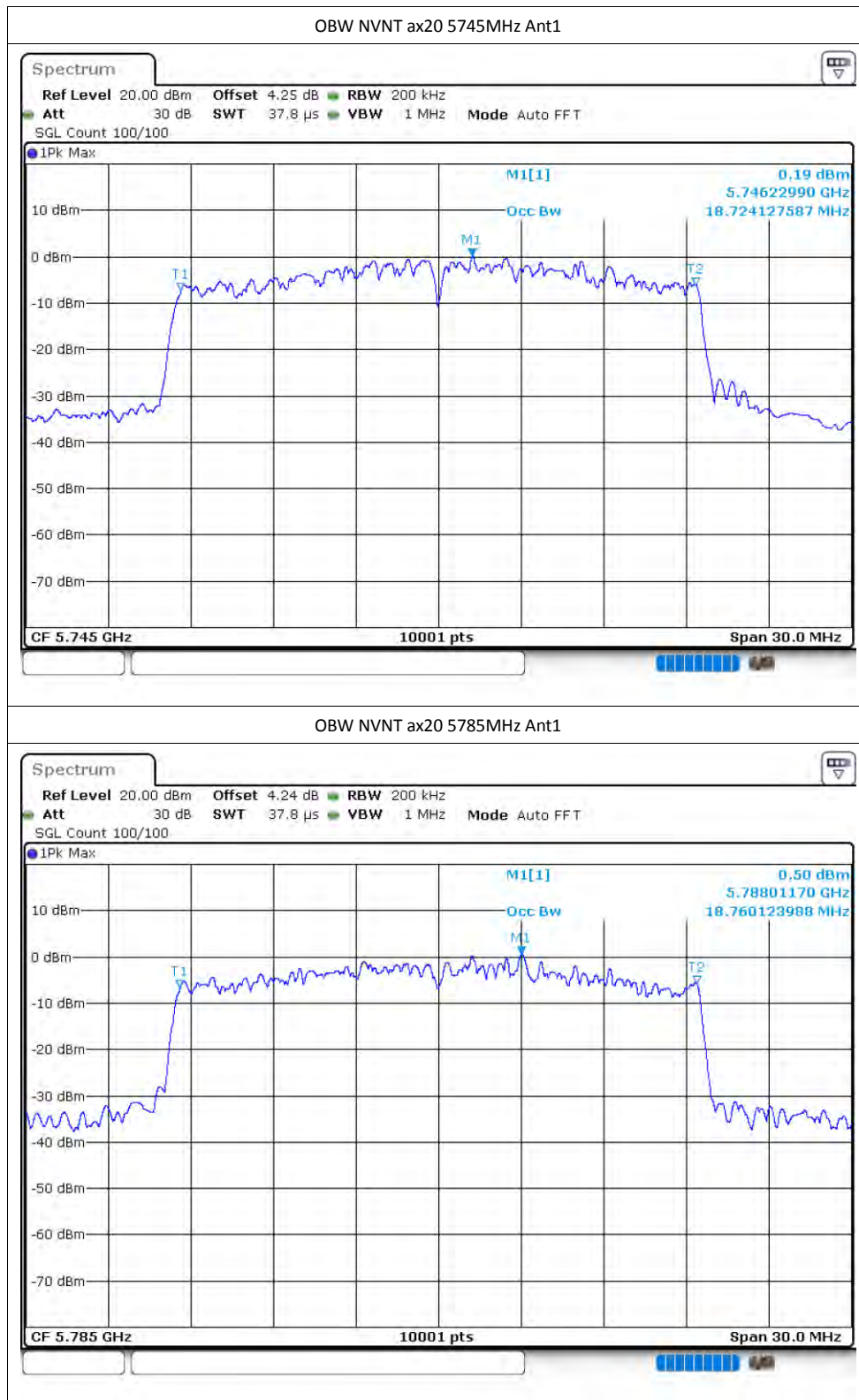


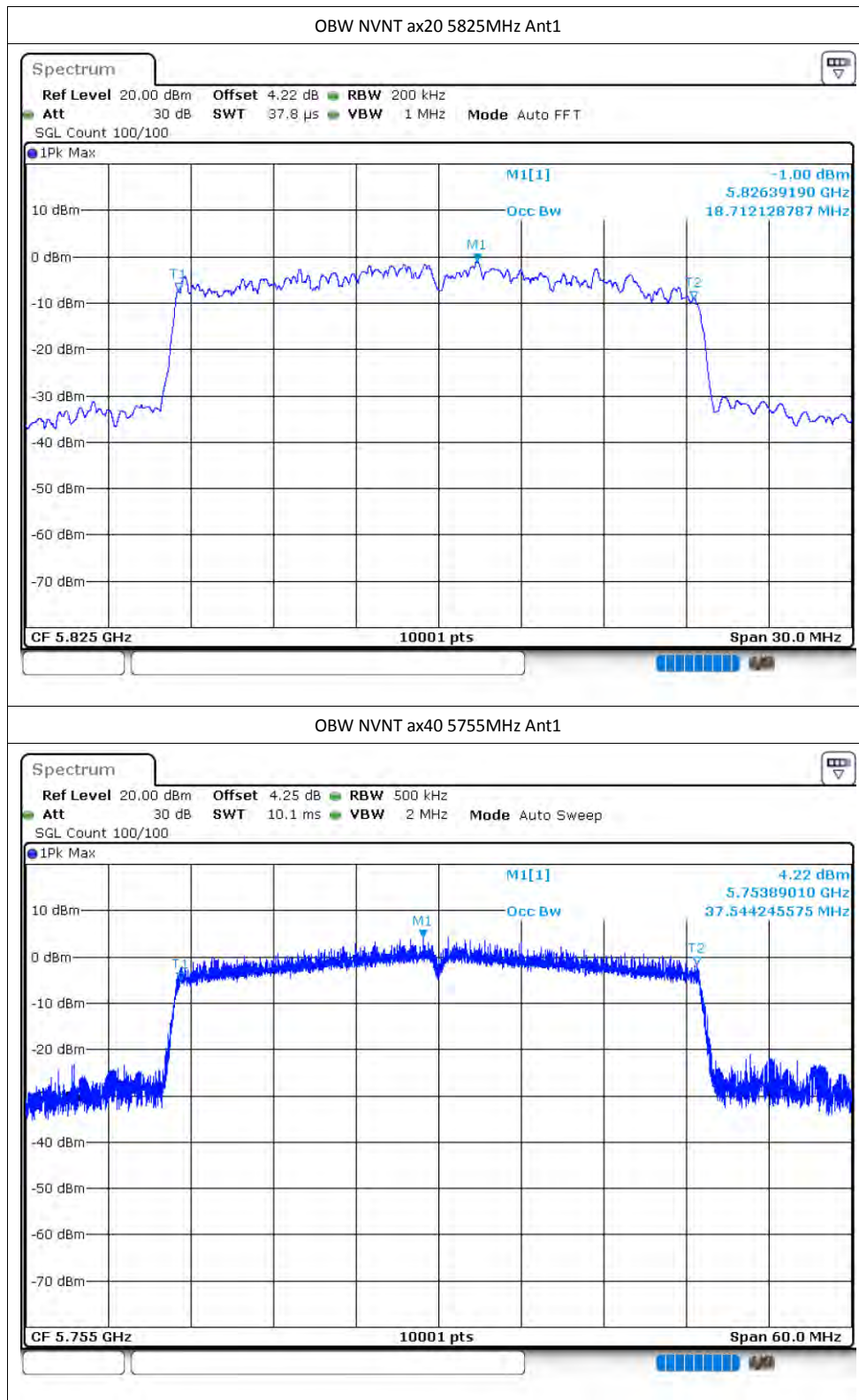


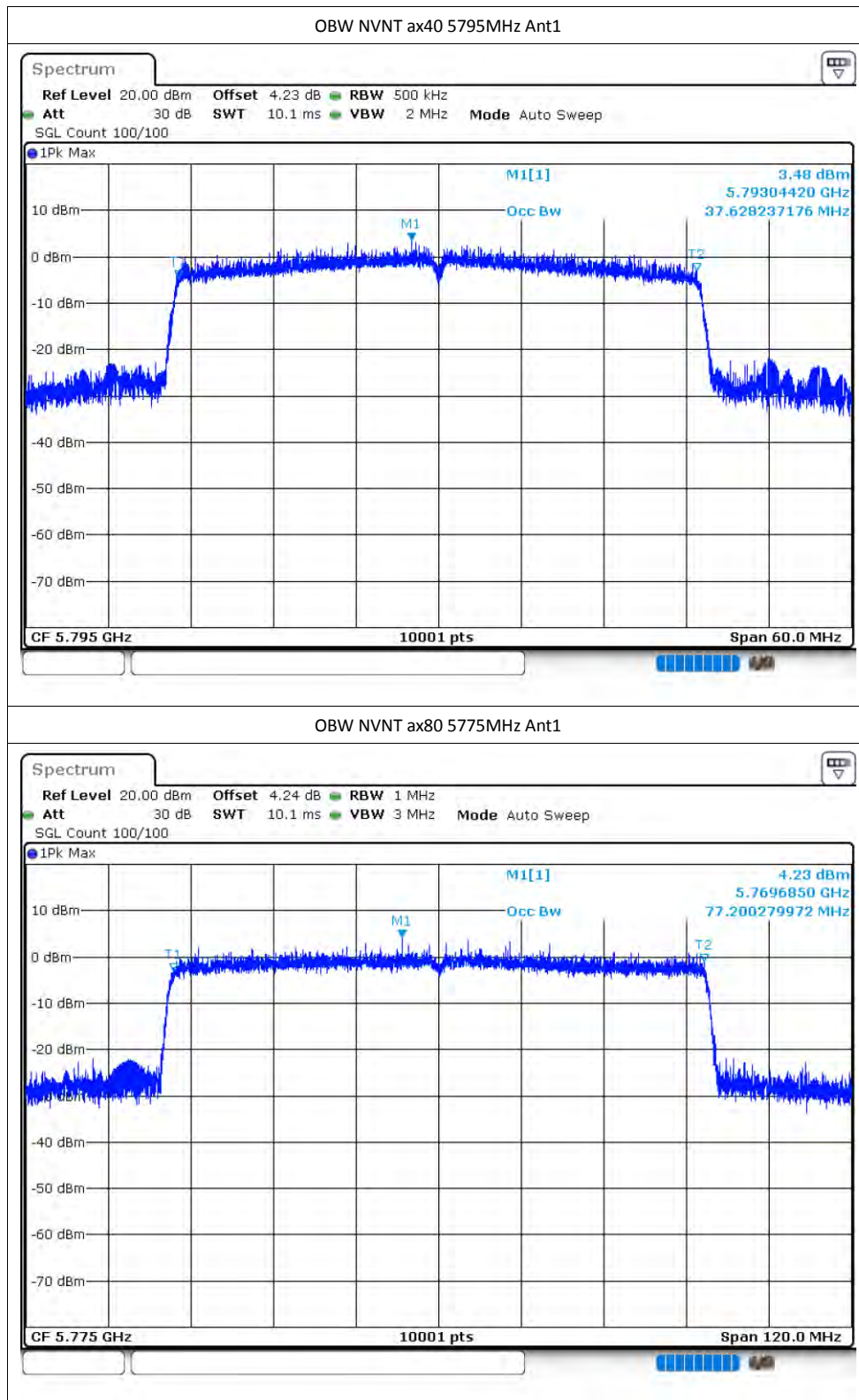












Maximum Power Spectral Density Level

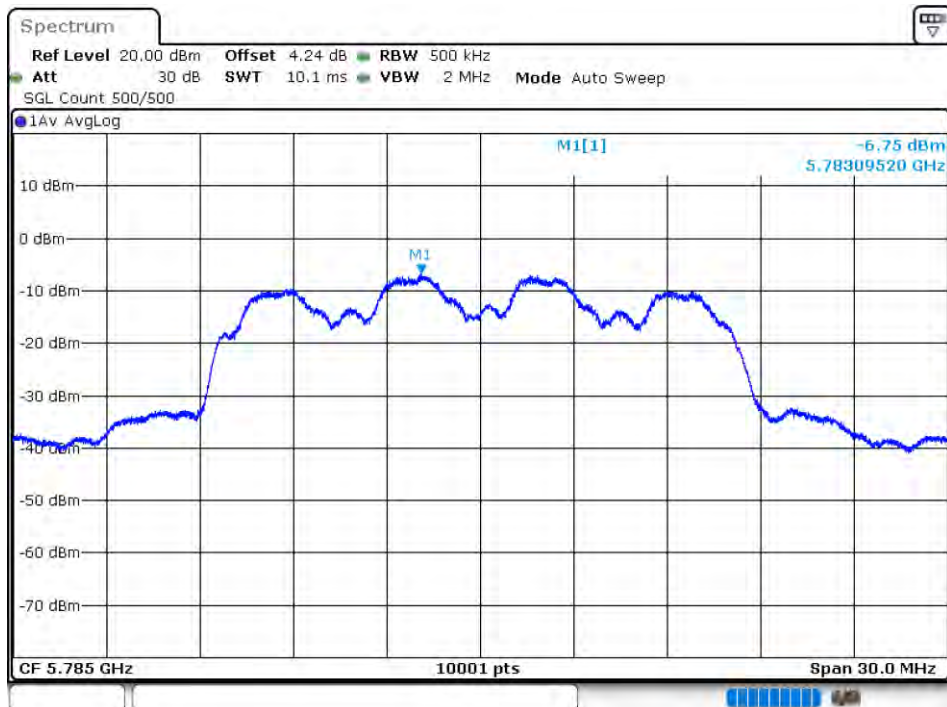
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-7.93	0.45	-7.48	30	Pass
NVNT	a	5785	Ant1	-6.75	0.46	-6.29	30	Pass
NVNT	a	5825	Ant1	-8.73	0.46	-8.27	30	Pass
NVNT	n20	5745	Ant1	-9.88	0.48	-9.4	30	Pass
NVNT	n20	5785	Ant1	-9.65	0.49	-9.16	30	Pass
NVNT	n20	5825	Ant1	-9.69	0.49	-9.2	30	Pass
NVNT	n40	5755	Ant1	-16.62	0.92	-15.7	30	Pass
NVNT	n40	5795	Ant1	-16.63	0.92	-15.71	30	Pass
NVNT	ac20	5745	Ant1	-8.33	0.48	-7.85	30	Pass
NVNT	ac20	5785	Ant1	-9.66	0.49	-9.17	30	Pass
NVNT	ac20	5825	Ant1	-9.81	0.48	-9.33	30	Pass
NVNT	ac40	5755	Ant1	-15.22	0.91	-14.31	30	Pass
NVNT	ac40	5795	Ant1	-14.24	0.9	-13.34	30	Pass
NVNT	ac80	5775	Ant1	-25.44	1.64	-23.8	30	Pass
NVNT	ax20	5745	Ant1	-11.28	0.61	-10.67	30	Pass
NVNT	ax20	5785	Ant1	-11.63	0.61	-11.02	30	Pass
NVNT	ax20	5825	Ant1	-12.49	0.6	-11.89	30	Pass
NVNT	ax40	5755	Ant1	-15.97	1.07	-14.9	30	Pass
NVNT	ax40	5795	Ant1	-19.23	1.07	-18.16	30	Pass
NVNT	ax80	5775	Ant1	-25.6	1.82	-23.78	30	Pass

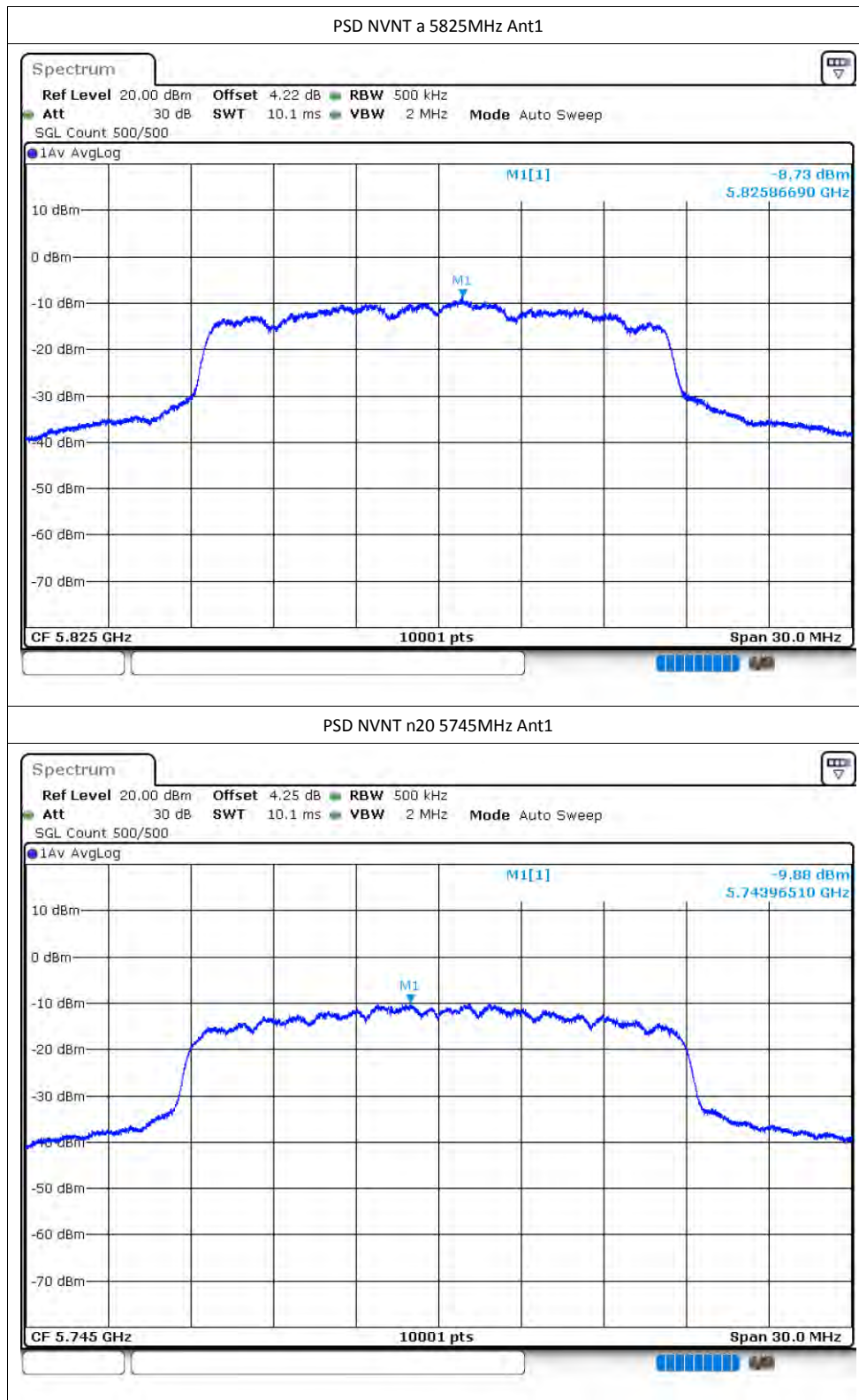
Test Graphs

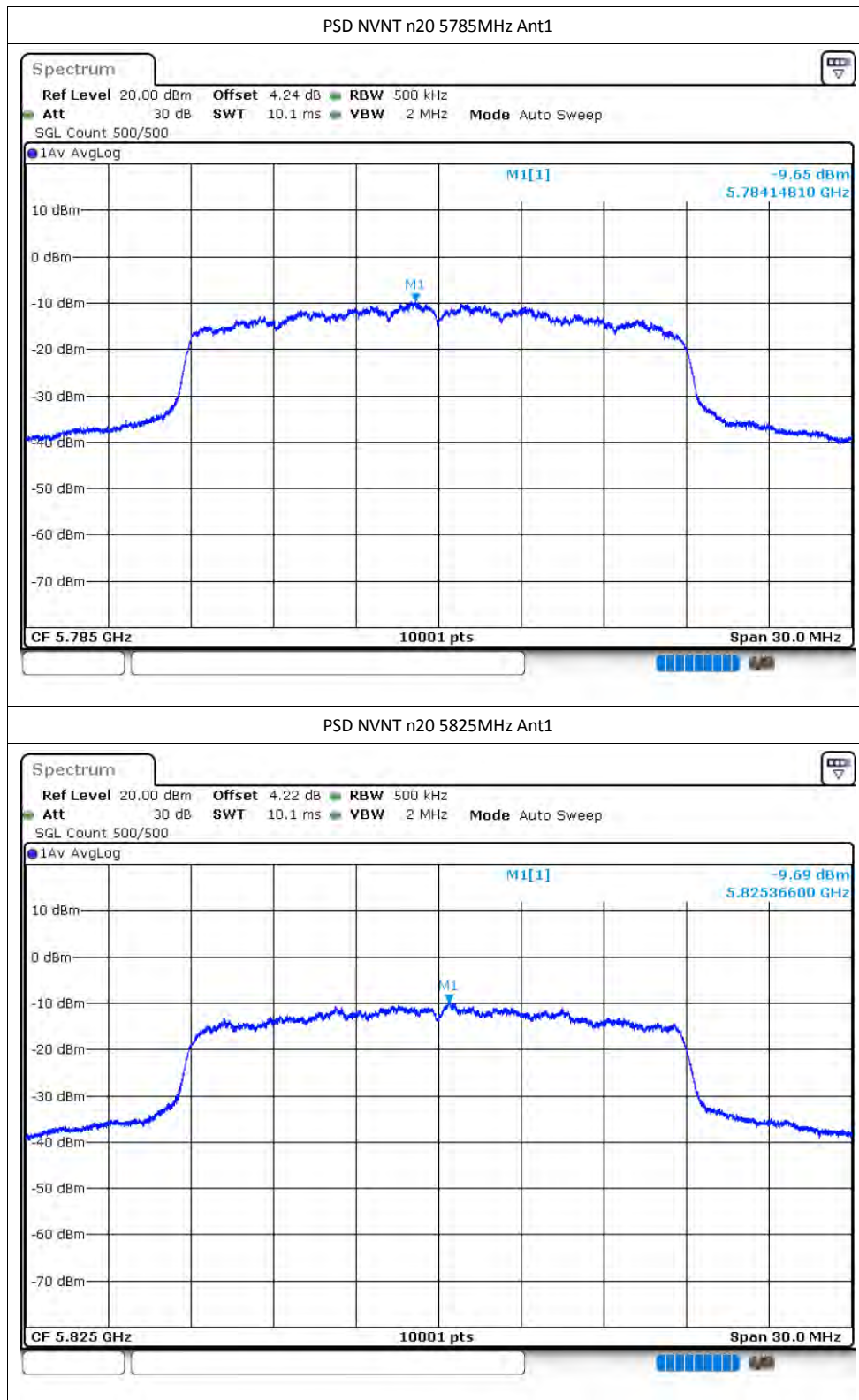
PSD NVNT a 5745MHz Ant1

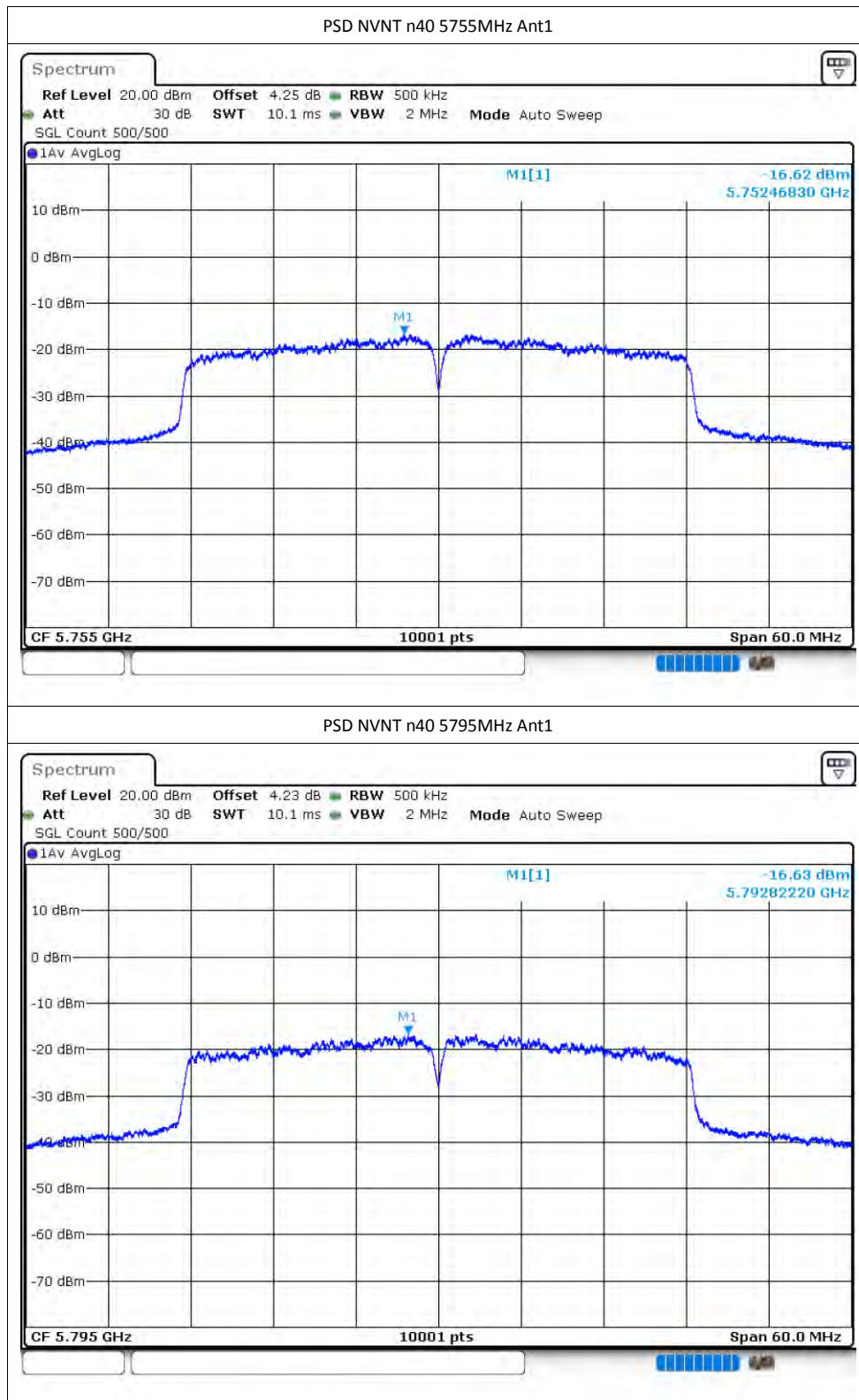


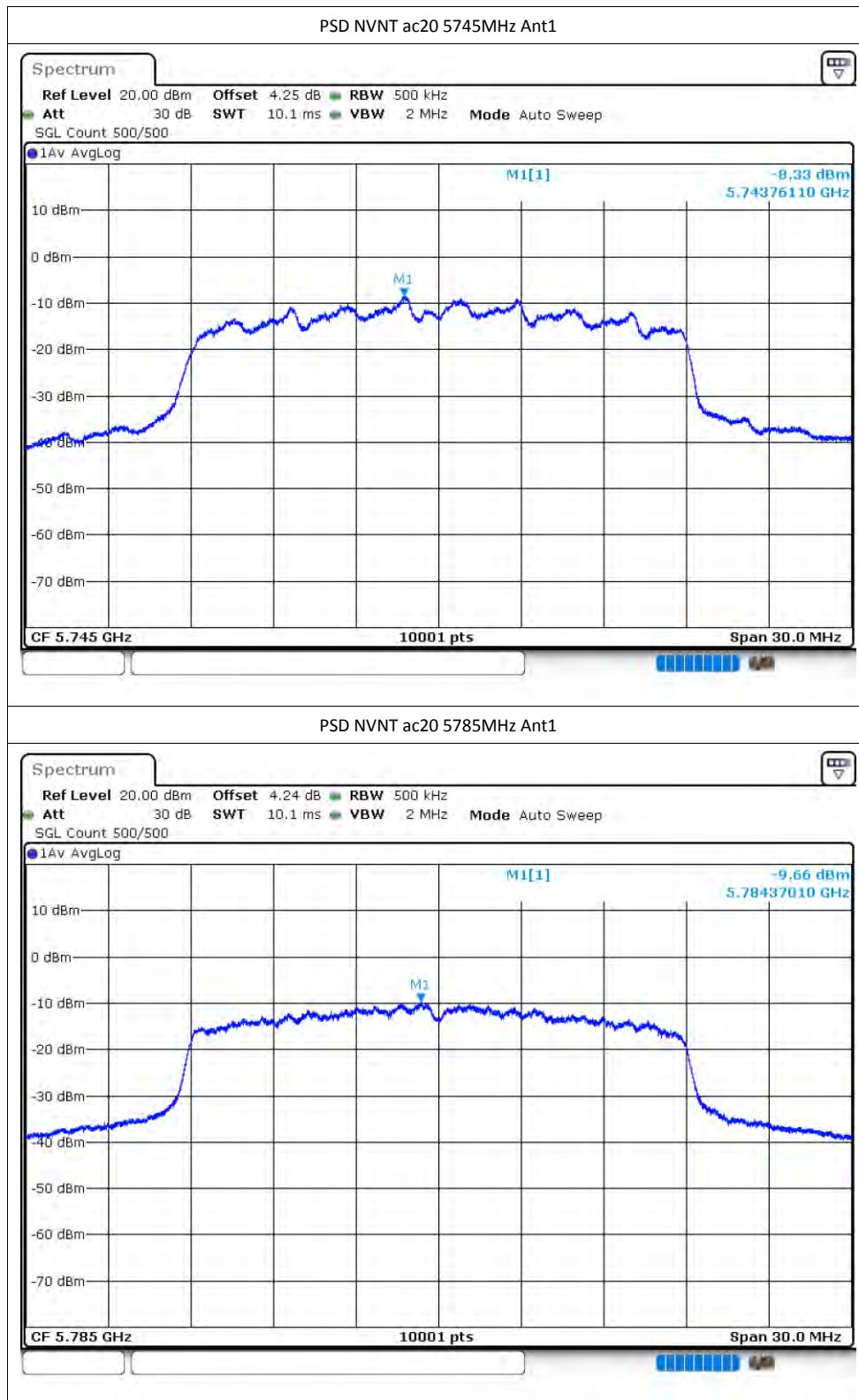
PSD NVNT a 5785MHz Ant1

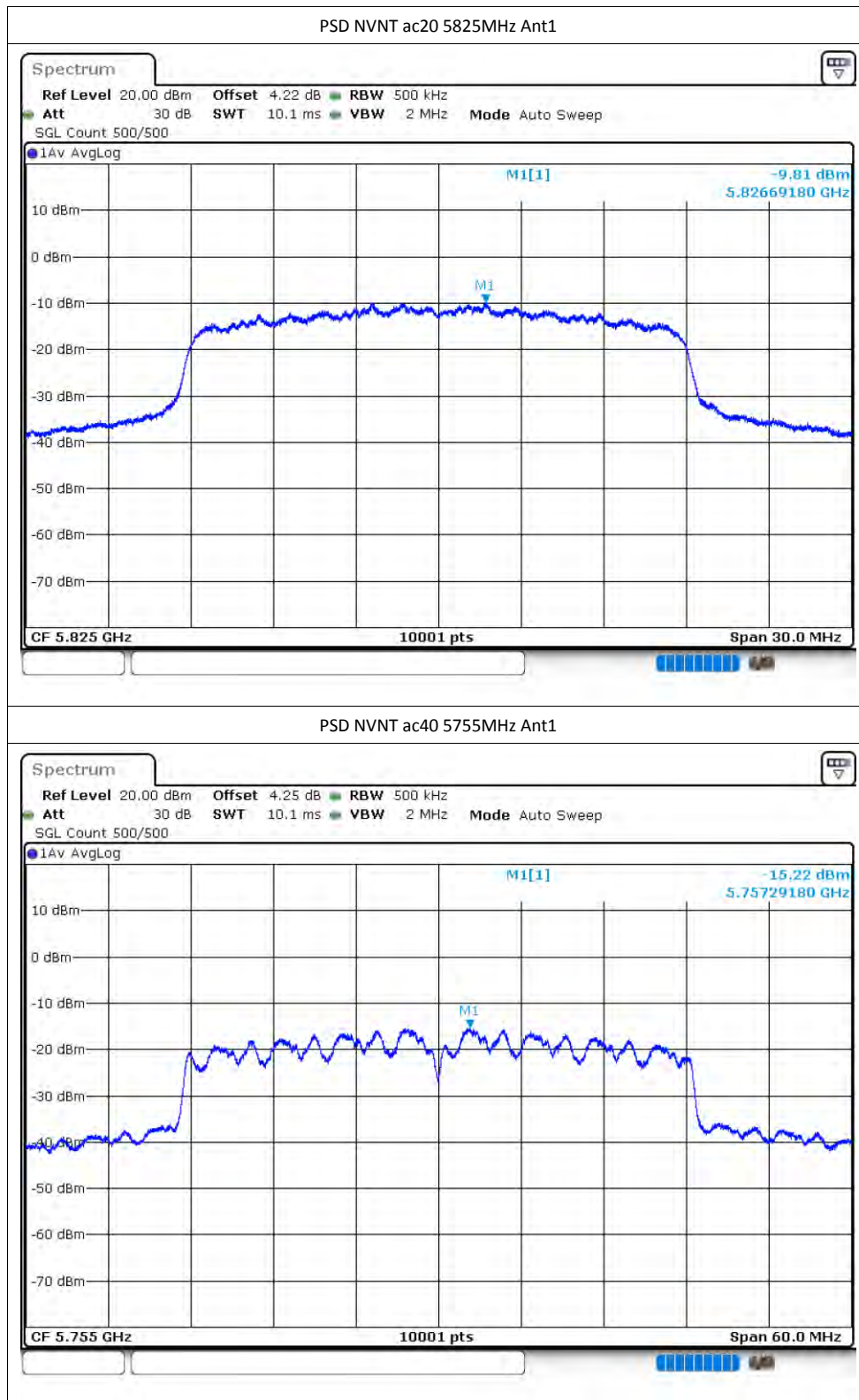


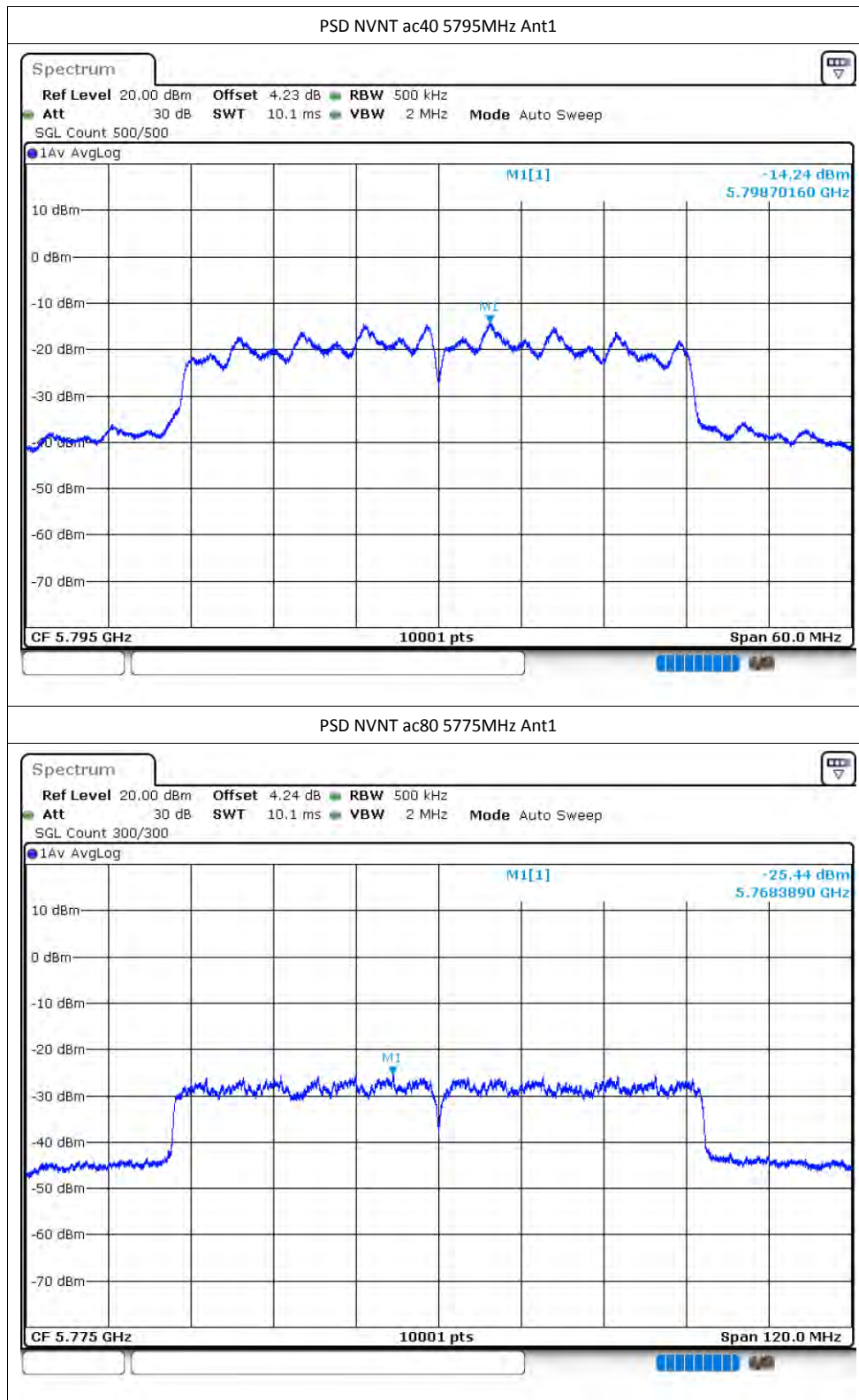




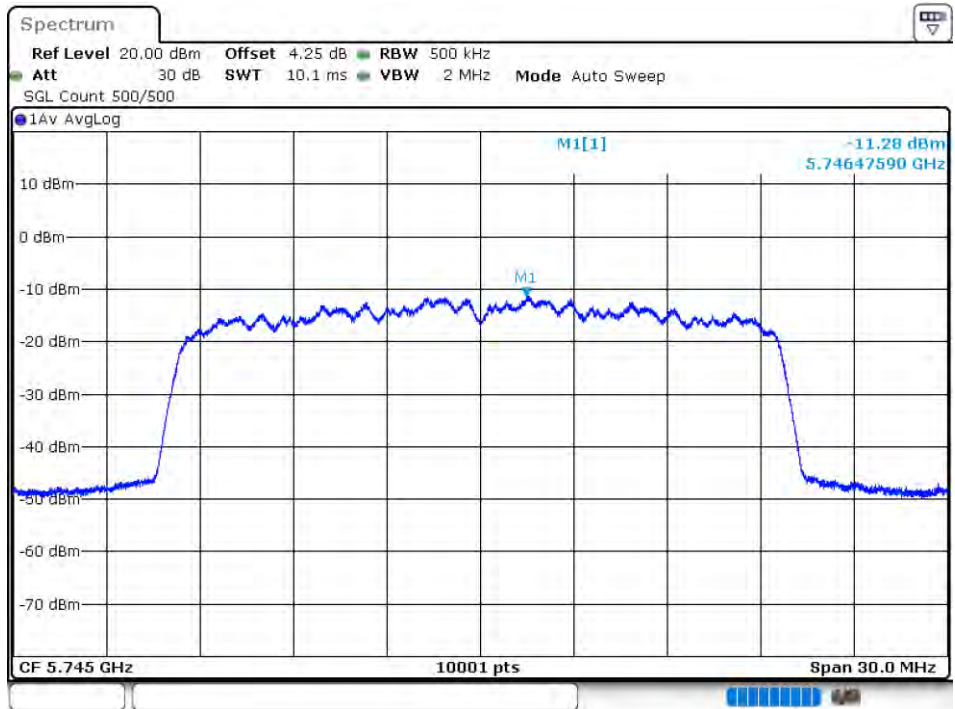




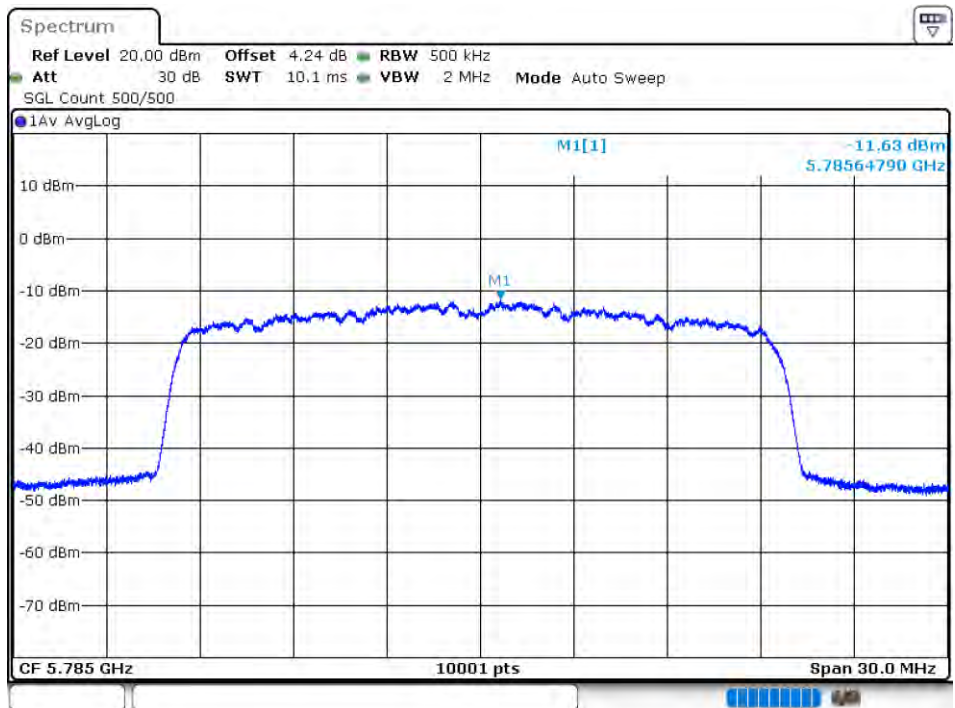


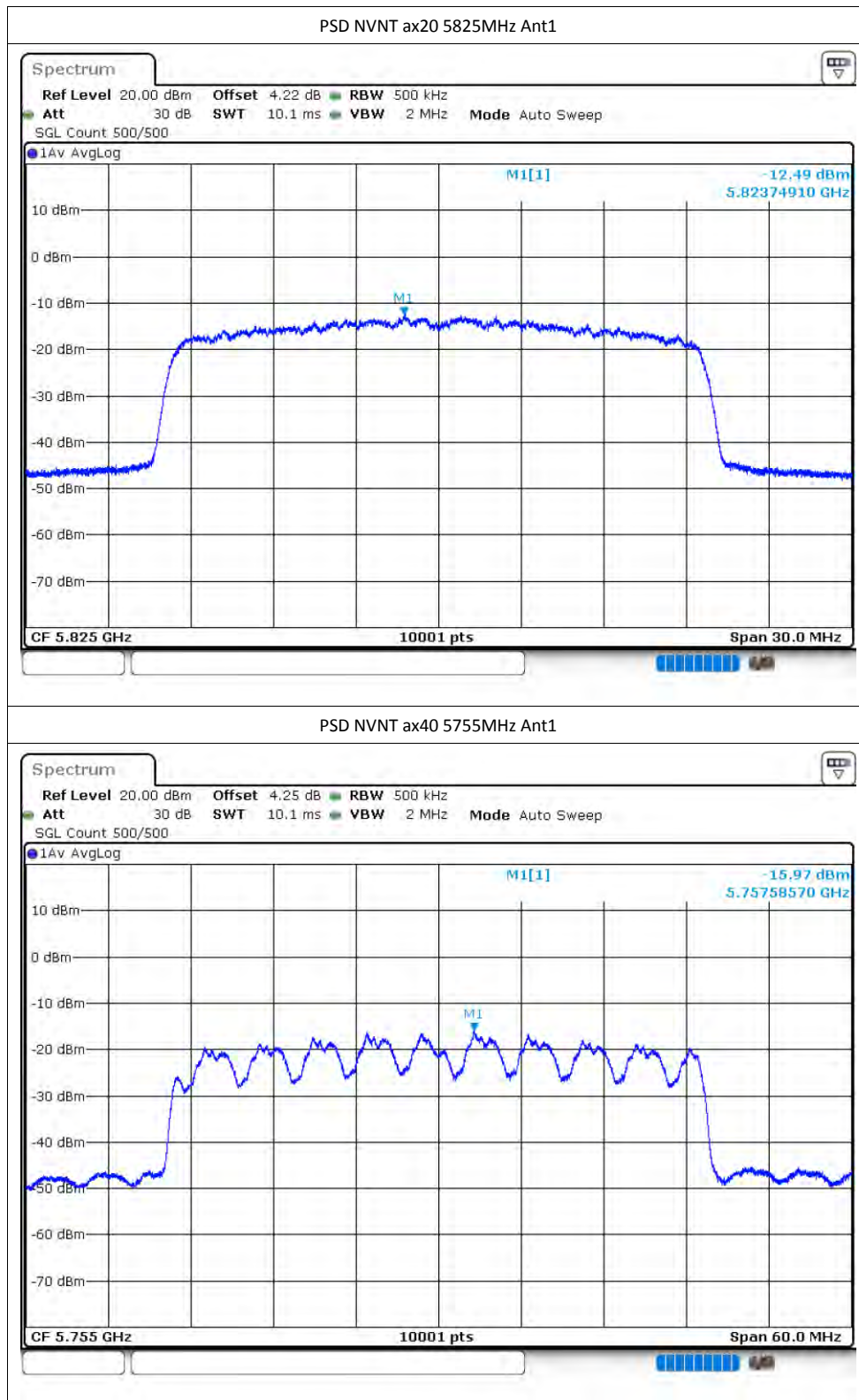


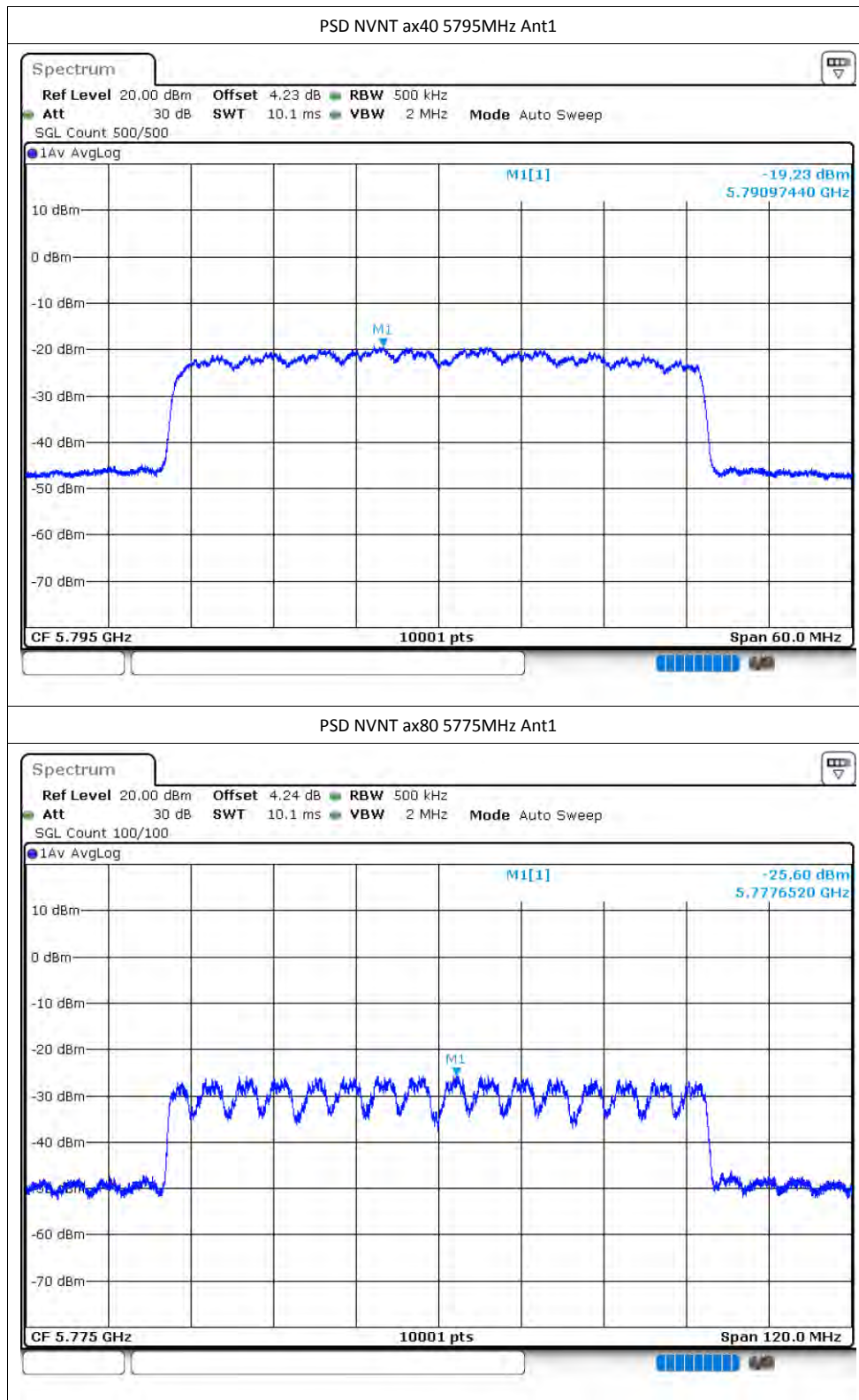
PSD NVNT ax20 5745MHz Ant1



PSD NVNT ax20 5785MHz Ant1





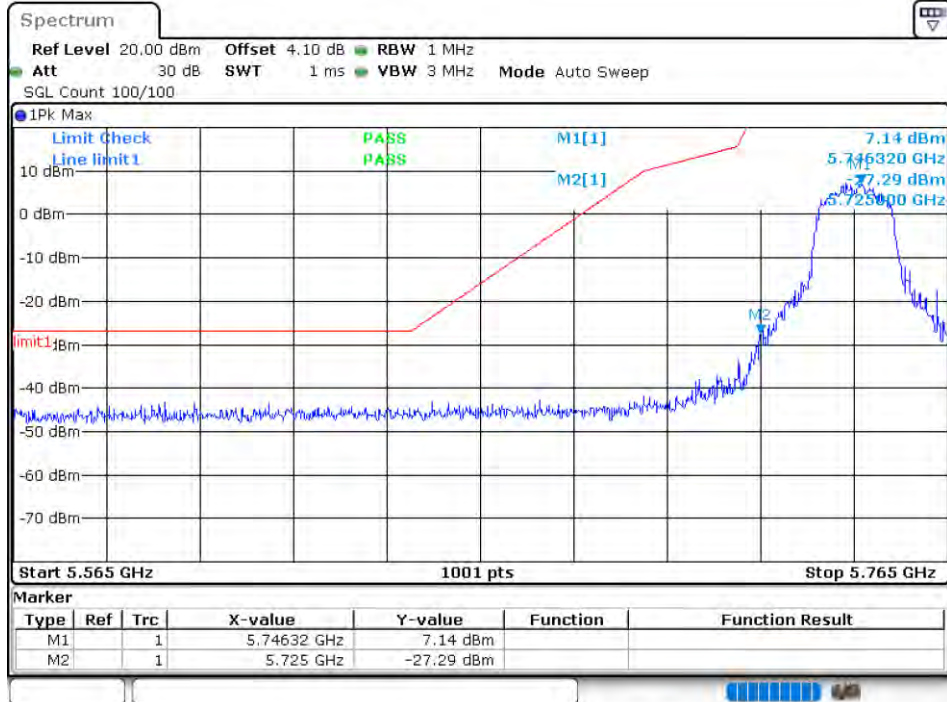


Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5745	Ant1	-27.29	Pass
NVNT	a	5825	Ant1	-35.02	Pass
NVNT	n20	5745	Ant1	-26.24	Pass
NVNT	n20	5825	Ant1	-35.89	Pass
NVNT	n40	5755	Ant1	-21.06	Pass
NVNT	n40	5795	Ant1	-37.61	Pass
NVNT	ac20	5745	Ant1	-26.8	Pass
NVNT	ac20	5825	Ant1	-35.1	Pass
NVNT	ac40	5755	Ant1	-22.5	Pass
NVNT	ac40	5795	Ant1	-34.83	Pass
NVNT	ac80	5775	Ant1	-22.27	Pass
NVNT	ax20	5745	Ant1	-26.22	Pass
NVNT	ax20	5825	Ant1	-27.32	Pass
NVNT	ax40	5755	Ant1	-23.73	Pass
NVNT	ax40	5795	Ant1	-31.87	Pass
NVNT	ax80	5775	Ant1	-25.55	Pass

Test Graphs

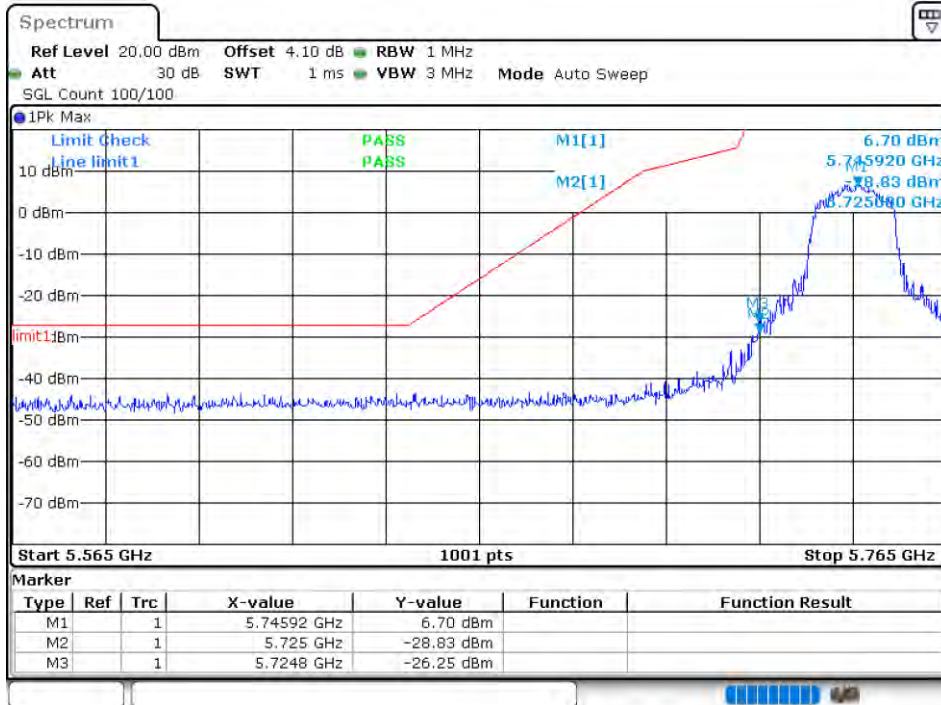
Band Edge NVNT a 5745MHz Low Ant1



Band Edge NVNT a 5825MHz High Ant1



Band Edge NVNT n20 5745MHz Low Ant1



Band Edge NVNT n20 5825MHz High Ant1

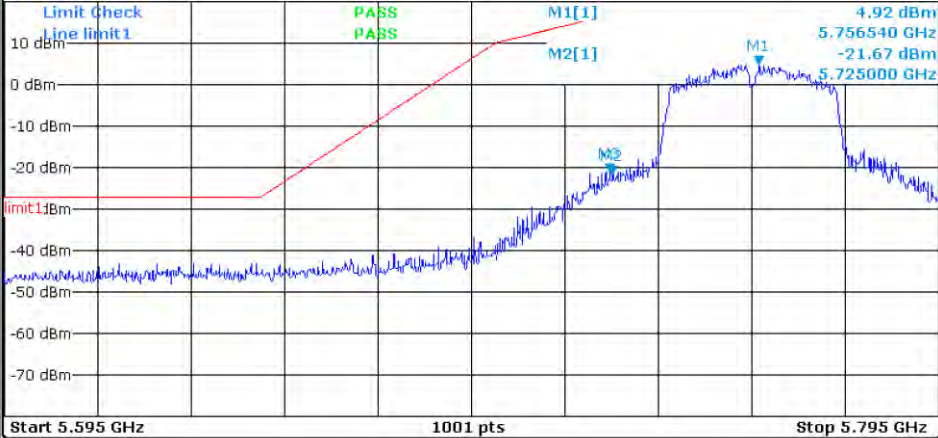


Band Edge NVNT n40 5755MHz Low Ant1

Spectrum

Ref Level 20.00 dBm Offset 4.10 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Marker

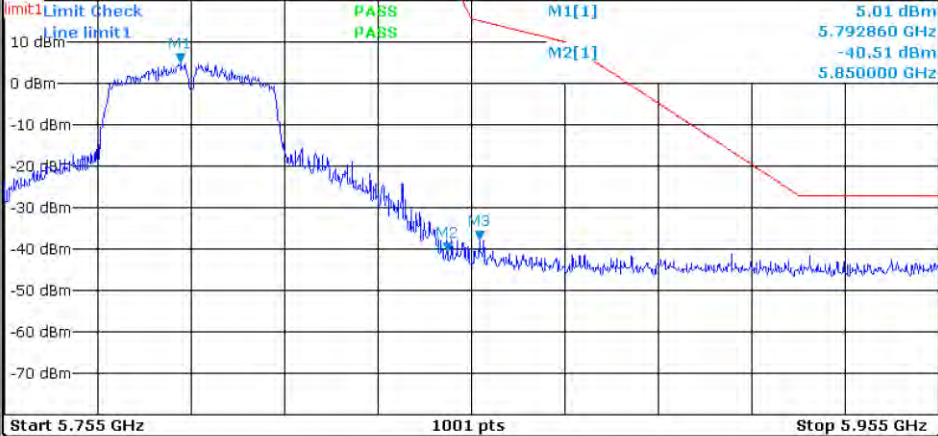
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.75654 GHz	4.92 dBm		
M2	1		5.725 GHz	-21.67 dBm		
M3	1		5.7246 GHz	-21.06 dBm		

Band Edge NVNT n40 5795MHz High Ant1

Spectrum

Ref Level 20.00 dBm Offset 4.08 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

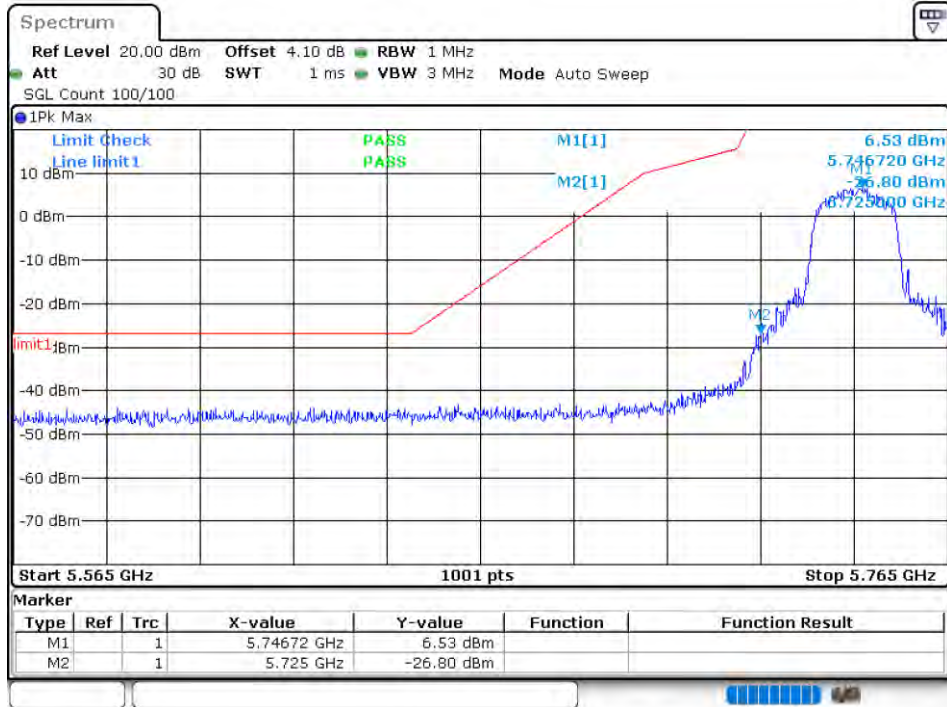
1Pk Max



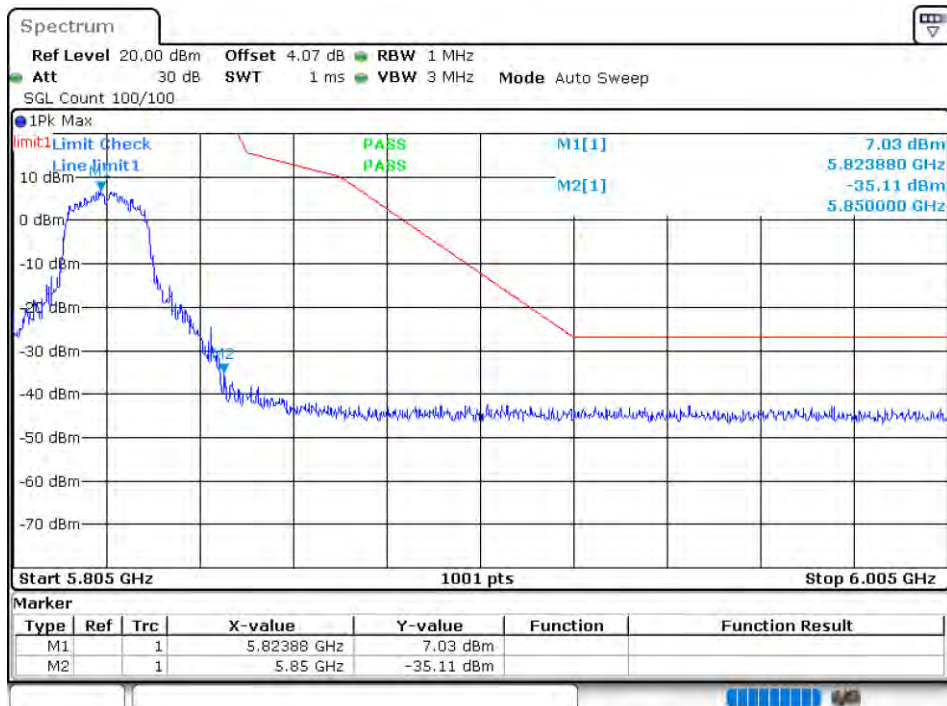
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.79286 GHz	5.01 dBm		
M2	1		5.85 GHz	-40.51 dBm		
M3	1		5.8568 GHz	-37.61 dBm		

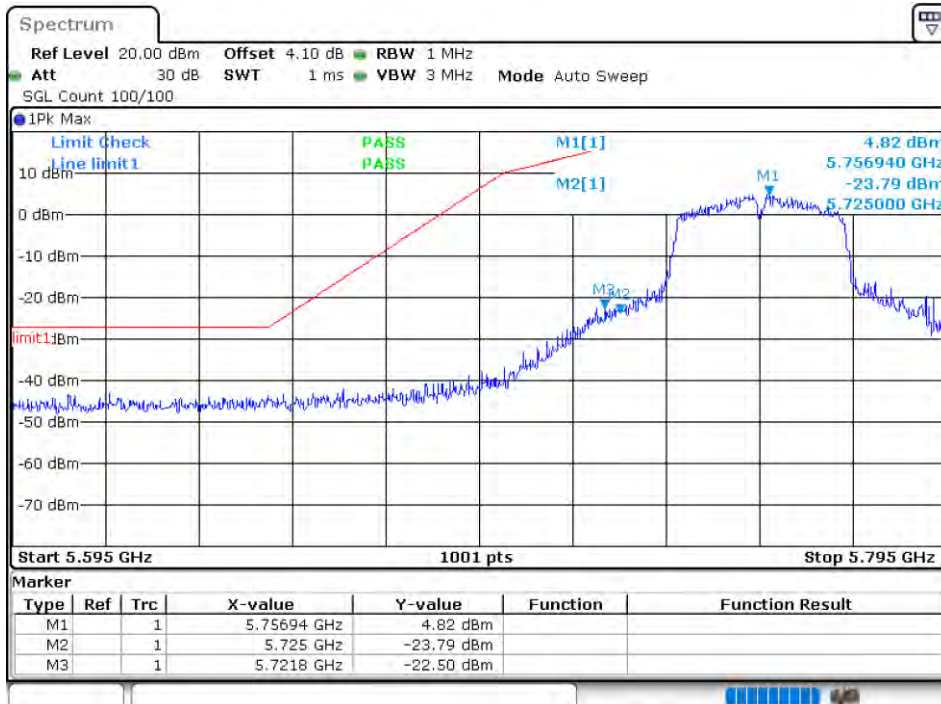
Band Edge NVNT ac20 5745MHz Low Ant1



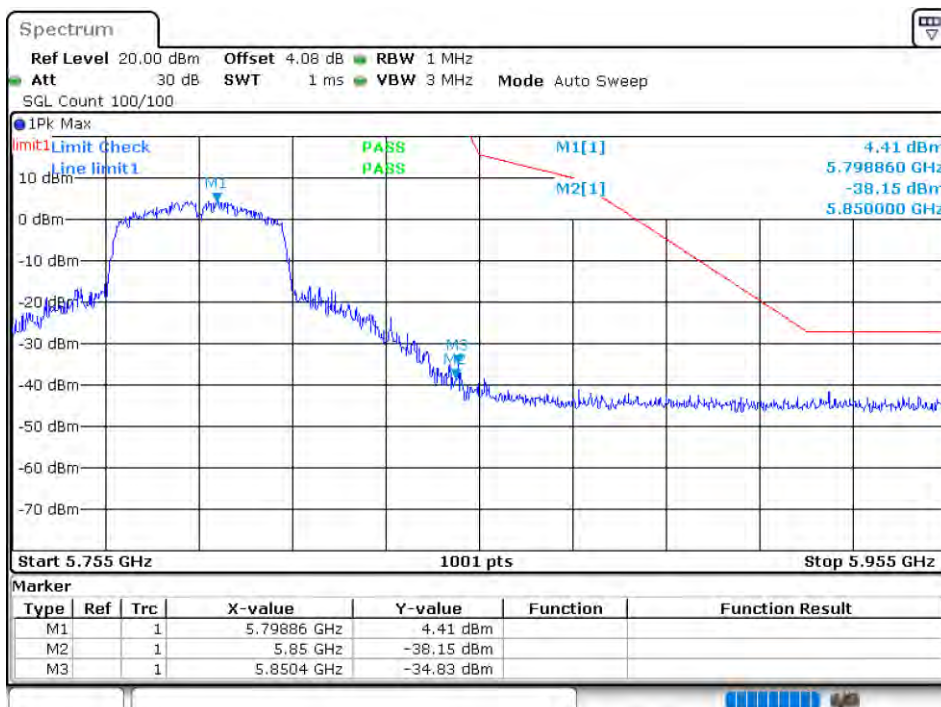
Band Edge NVNT ac20 5825MHz High Ant1

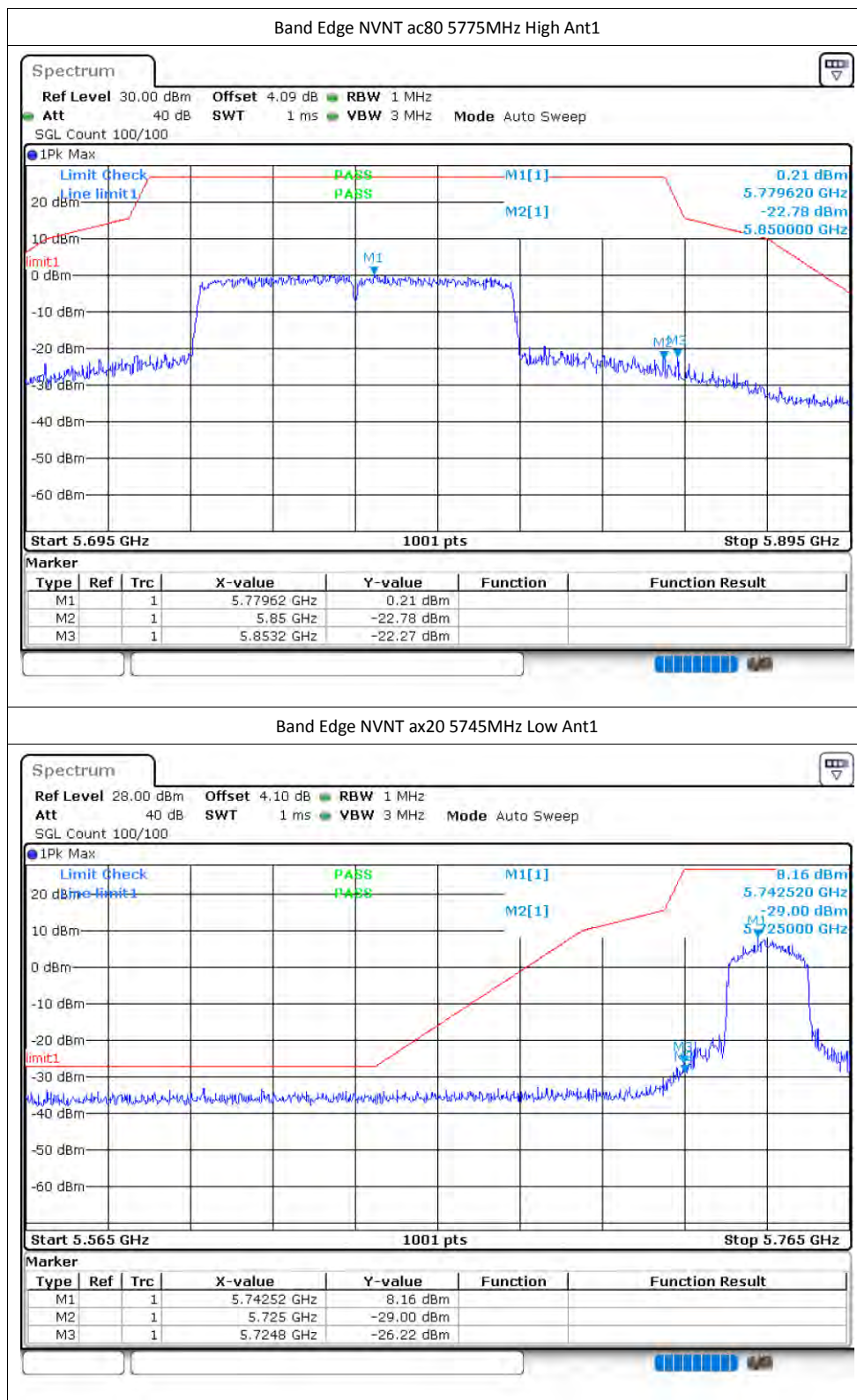


Band Edge NVNT ac40 5755MHz Low Ant1

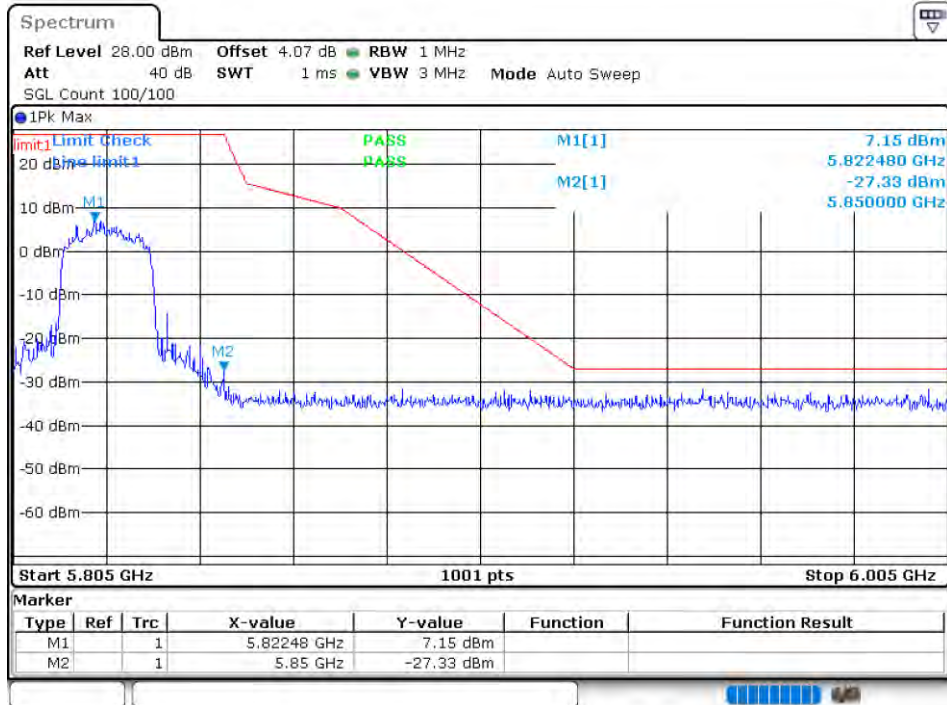


Band Edge NVNT ac40 5795MHz High Ant1





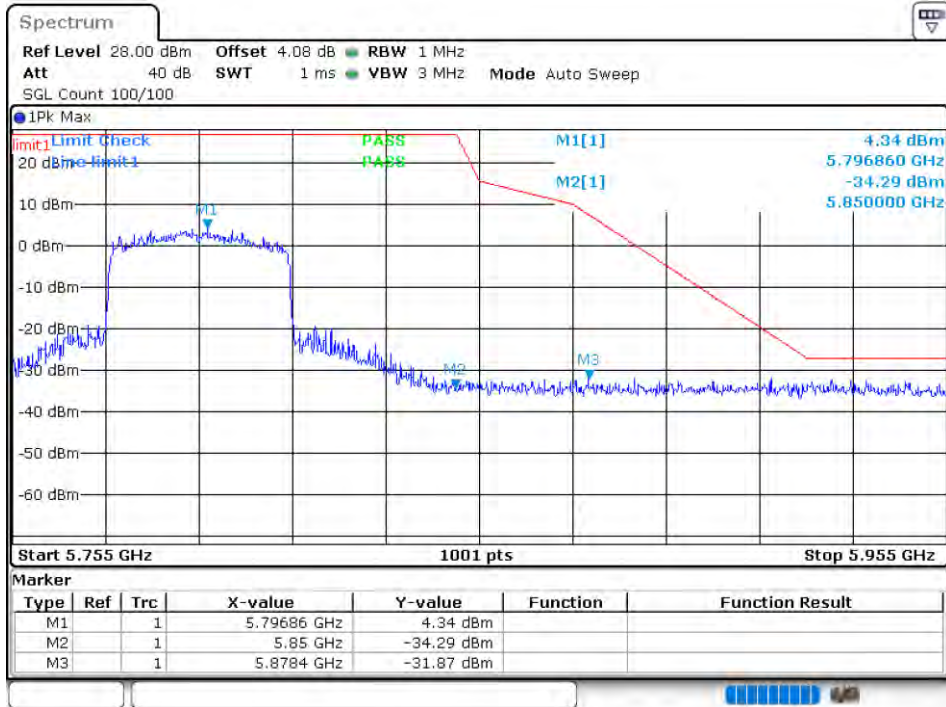
Band Edge NVNT ax20 5825MHz High Ant1



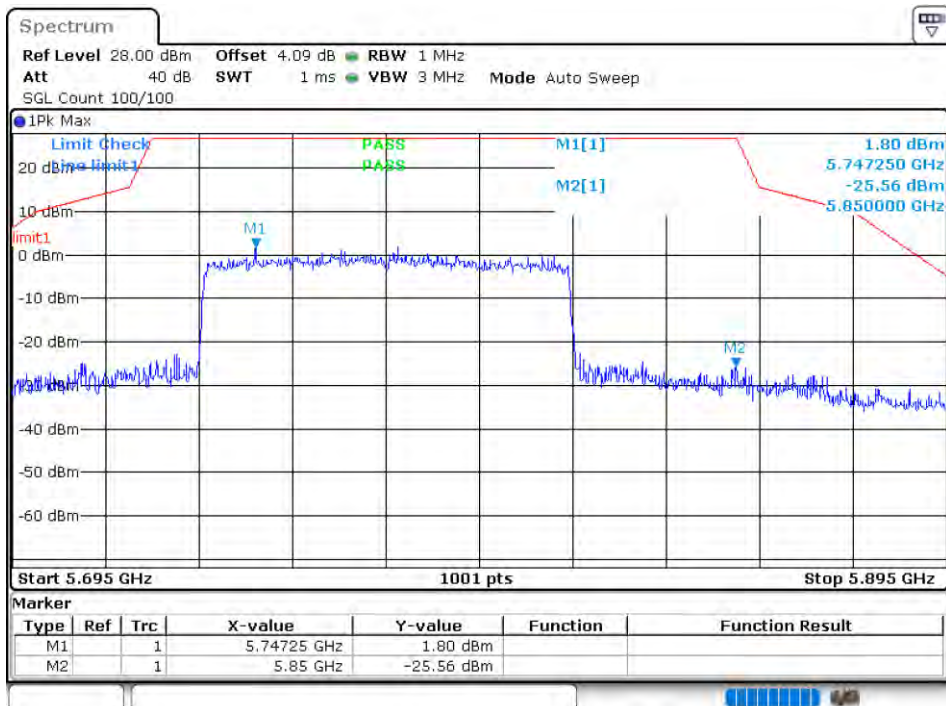
Band Edge NVNT ax40 5755MHz Low Ant1



Band Edge NVNT ax40 5795MHz High Ant1



Band Edge NVNT ax80 5775MHz High Ant1

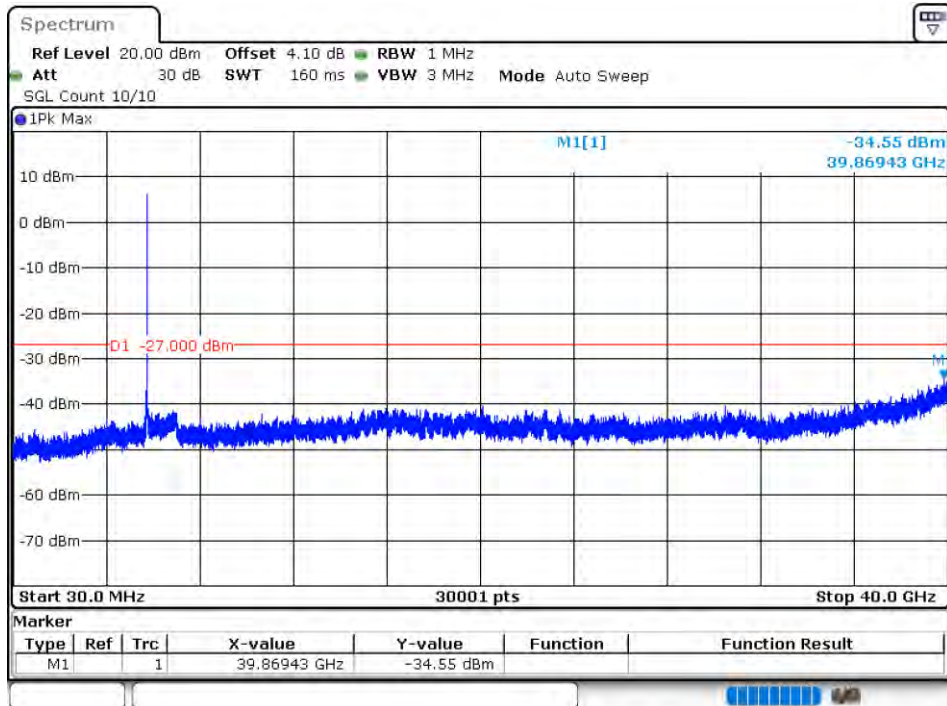


Conducted RF Spurious Emission

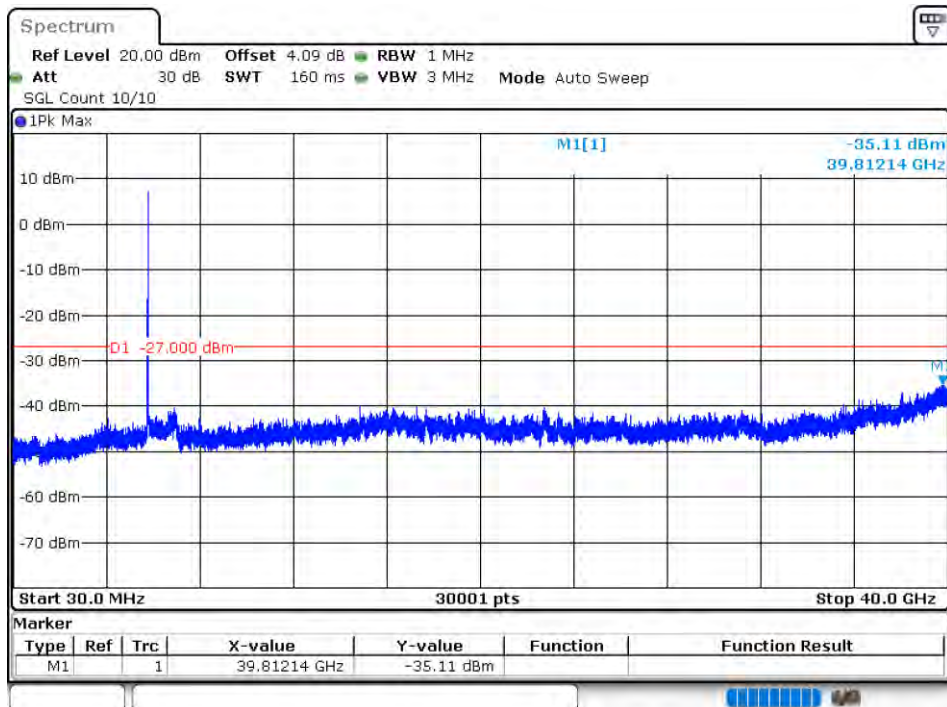
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-34.55	-27	Pass
NVNT	a	5785	Ant1	-35.11	-27	Pass
NVNT	a	5825	Ant1	-28.07	-27	Pass
NVNT	n20	5745	Ant1	-34.76	-27	Pass
NVNT	n20	5785	Ant1	-31.99	-27	Pass
NVNT	n20	5825	Ant1	-27.84	-27	Pass
NVNT	n40	5755	Ant1	-31.72	-27	Pass
NVNT	n40	5795	Ant1	-34.89	-27	Pass
NVNT	ac20	5745	Ant1	-35.07	-27	Pass
NVNT	ac20	5785	Ant1	-34.6	-27	Pass
NVNT	ac20	5825	Ant1	-35.78	-27	Pass
NVNT	ac40	5755	Ant1	-34.87	-27	Pass
NVNT	ac40	5795	Ant1	-34.15	-27	Pass
NVNT	ac80	5775	Ant1	-34.56	-27	Pass
NVNT	ax20	5745	Ant1	-35.05	-27	Pass
NVNT	ax20	5785	Ant1	-33.18	-27	Pass
NVNT	ax20	5825	Ant1	-33.82	-27	Pass
NVNT	ax40	5755	Ant1	-34.36	-27	Pass
NVNT	ax40	5795	Ant1	-35.29	-27	Pass
NVNT	ax80	5775	Ant1	-34.26	-27	Pass

Test Graphs

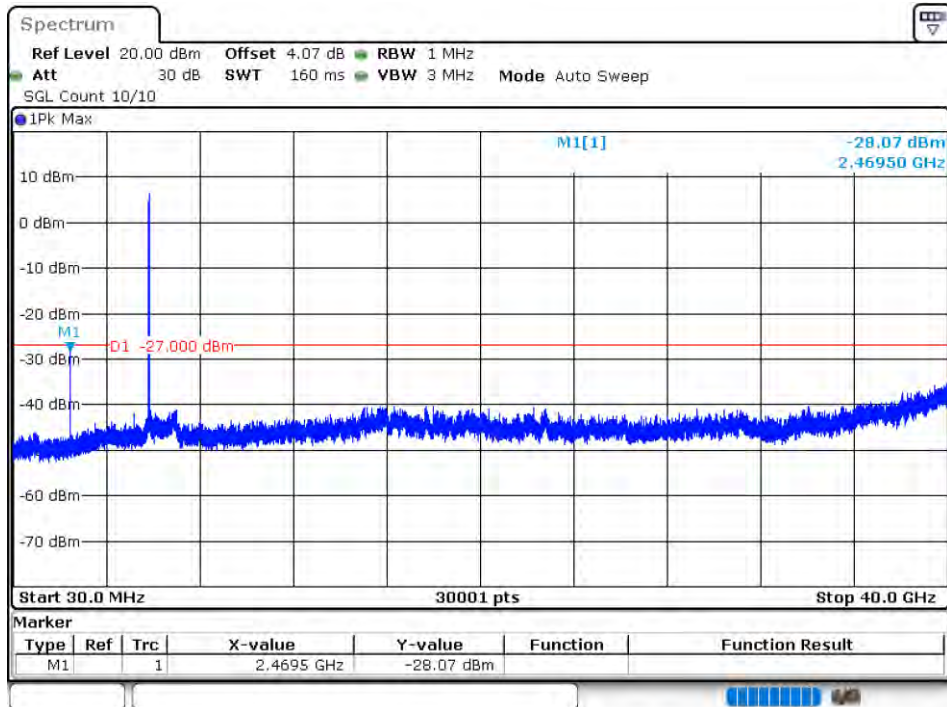
Tx. Spurious NVNT a 5745MHz Ant1 Emission



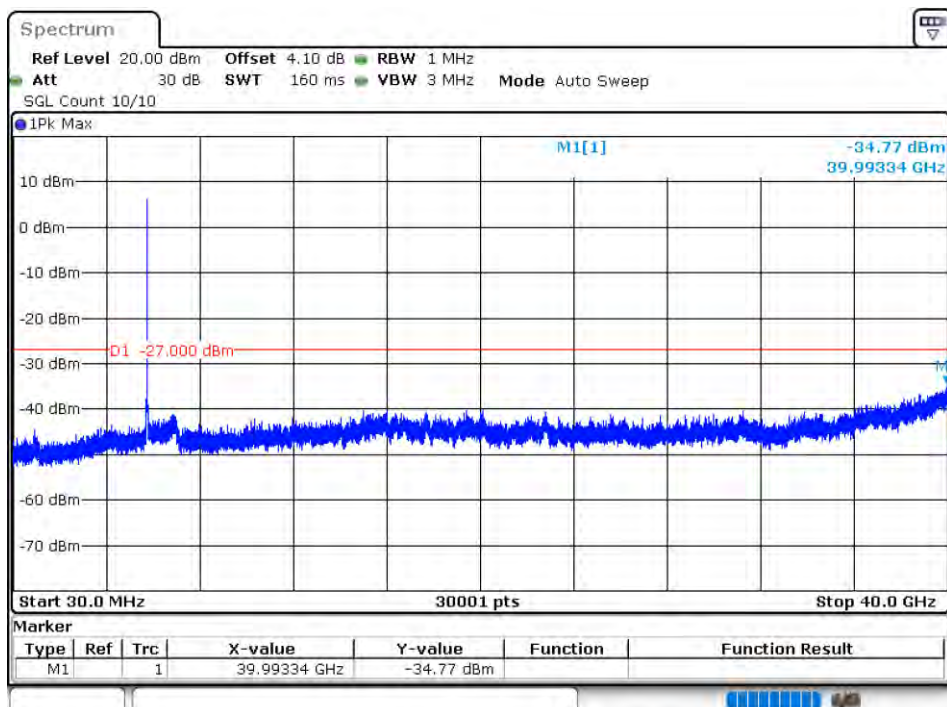
Tx. Spurious NVNT a 5785MHz Ant1 Emission



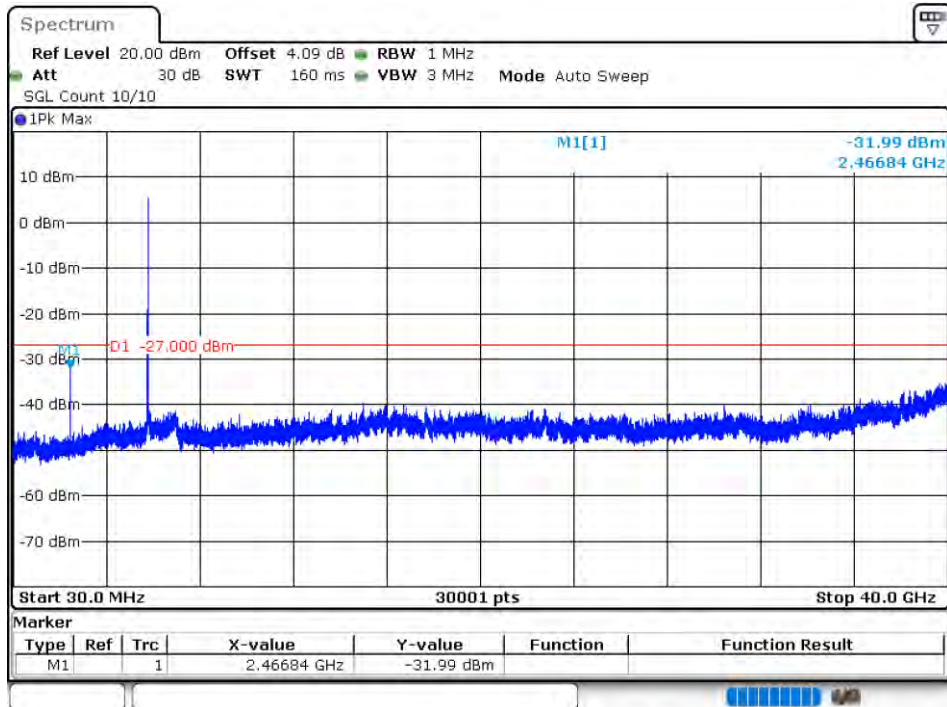
Tx. Spurious NVNT a 5825MHz Ant1 Emission



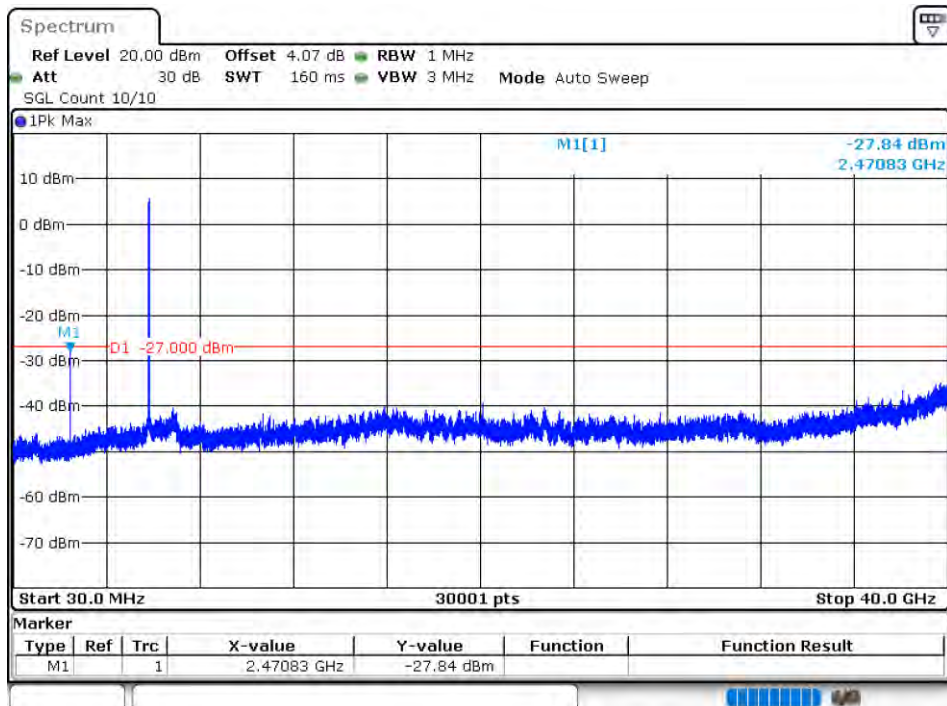
Tx. Spurious NVNT n20 5745MHz Ant1 Emission



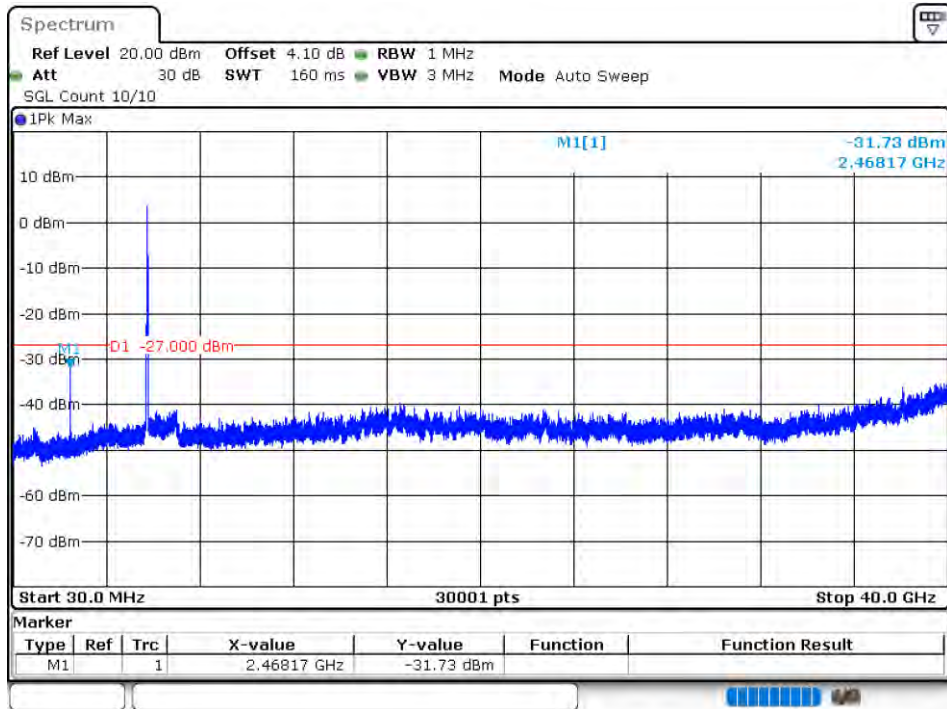
Tx. Spurious NVNT n20 5785MHz Ant1 Emission



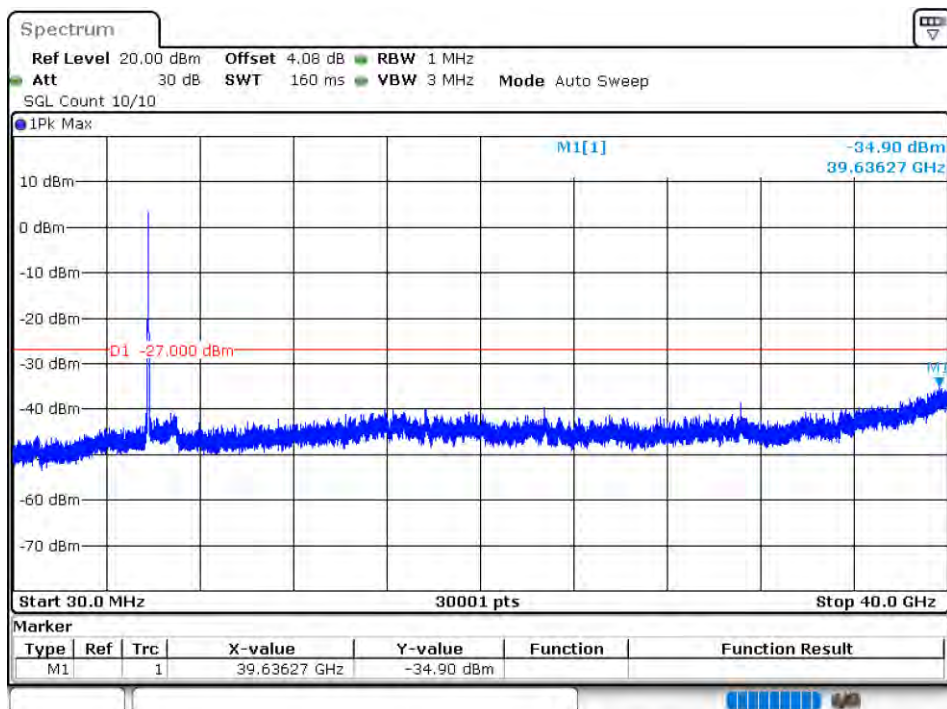
Tx. Spurious NVNT n20 5825MHz Ant1 Emission



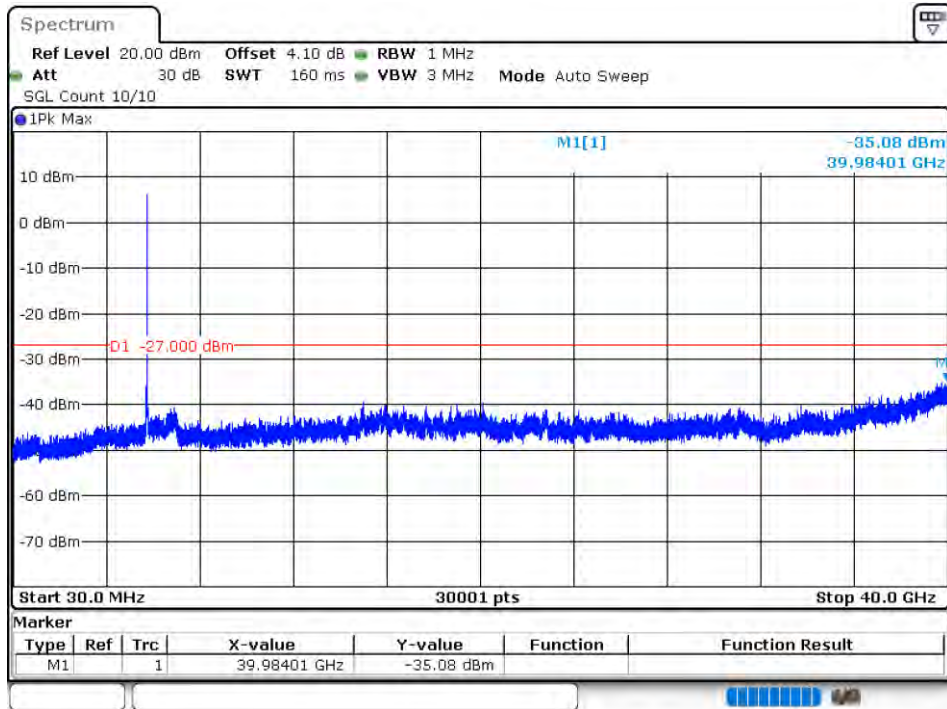
Tx. Spurious NVNT n40 5755MHz Ant1 Emission



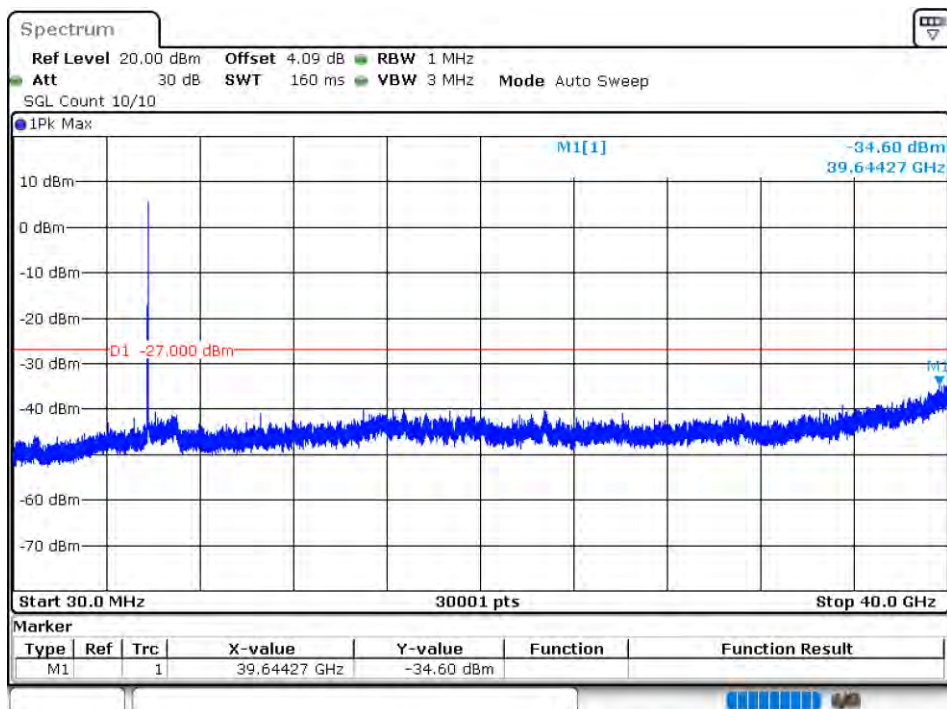
Tx. Spurious NVNT n40 5795MHz Ant1 Emission



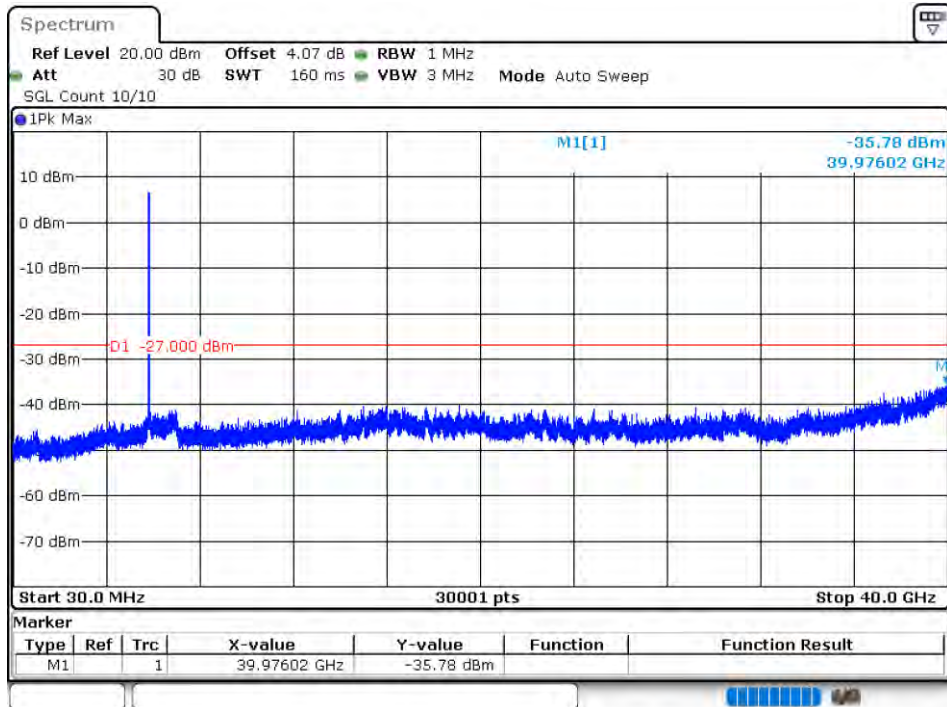
Tx. Spurious NVNT ac20 5745MHz Ant1 Emission



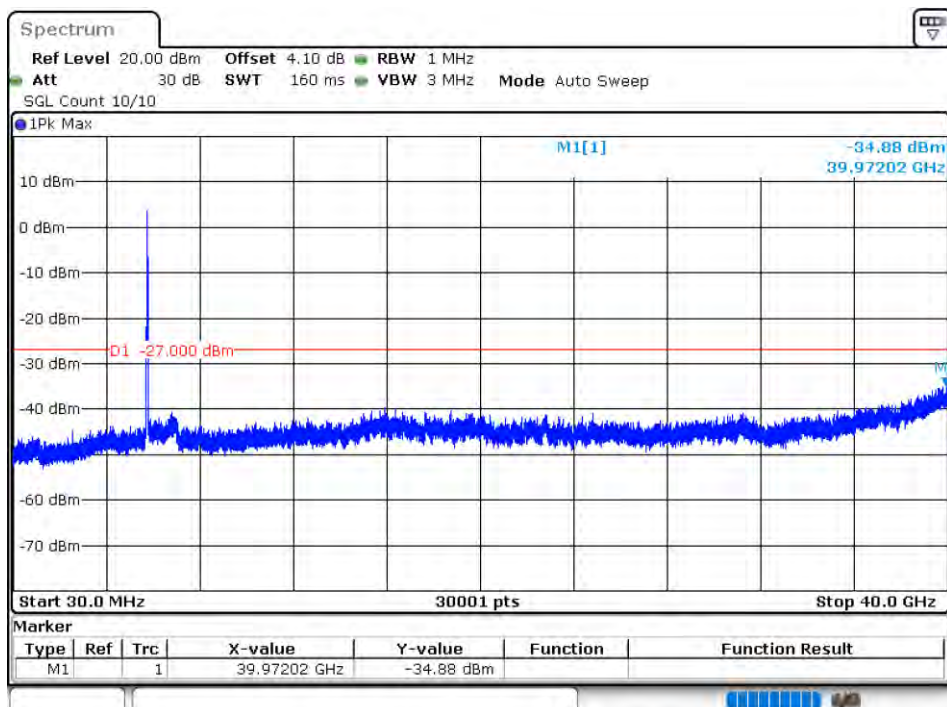
Tx. Spurious NVNT ac20 5785MHz Ant1 Emission

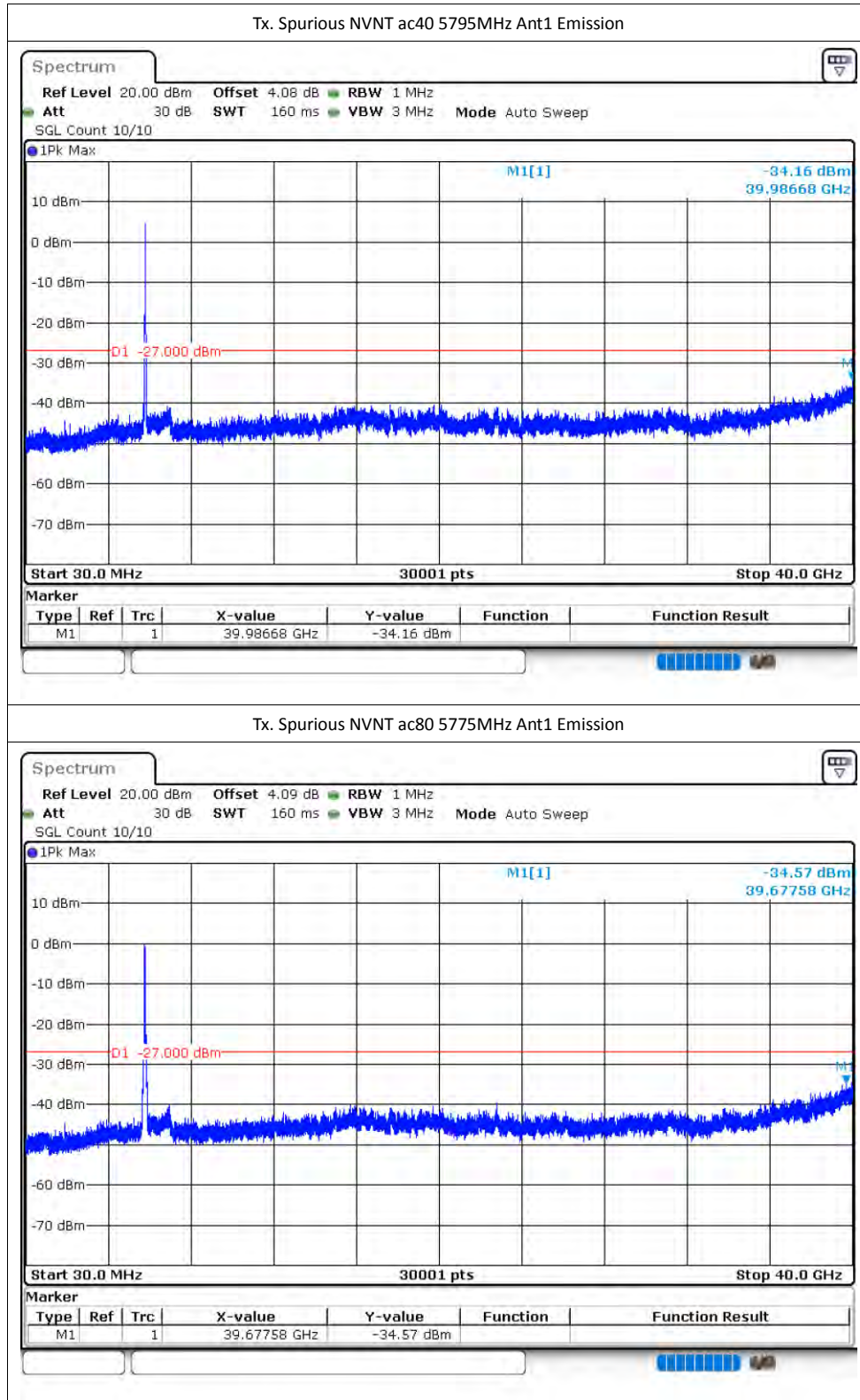


Tx. Spurious NVNT ac20 5825MHz Ant1 Emission

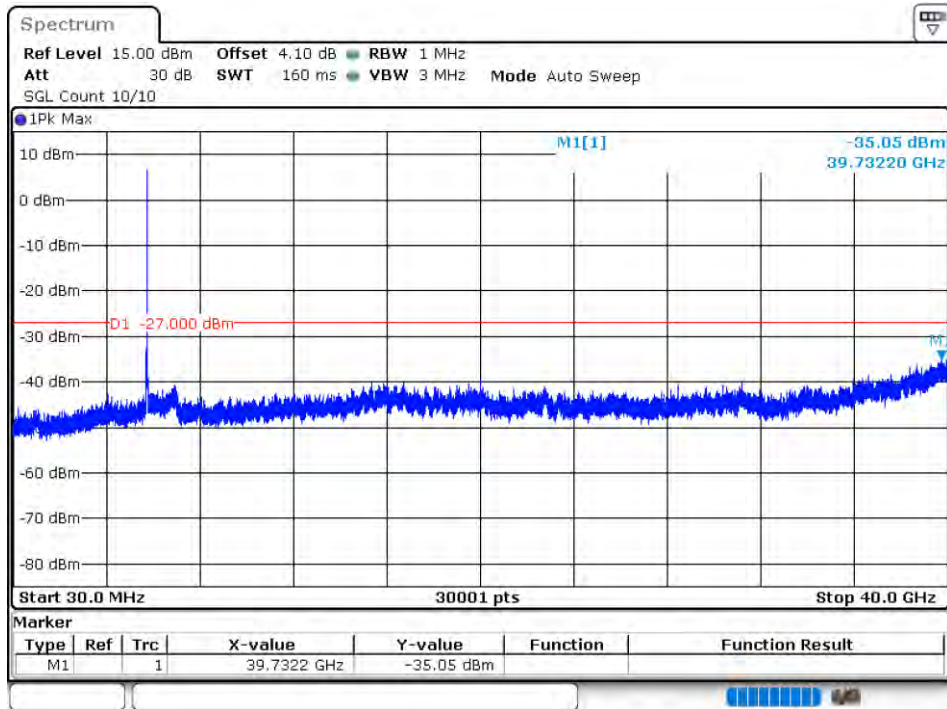


Tx. Spurious NVNT ac40 5755MHz Ant1 Emission

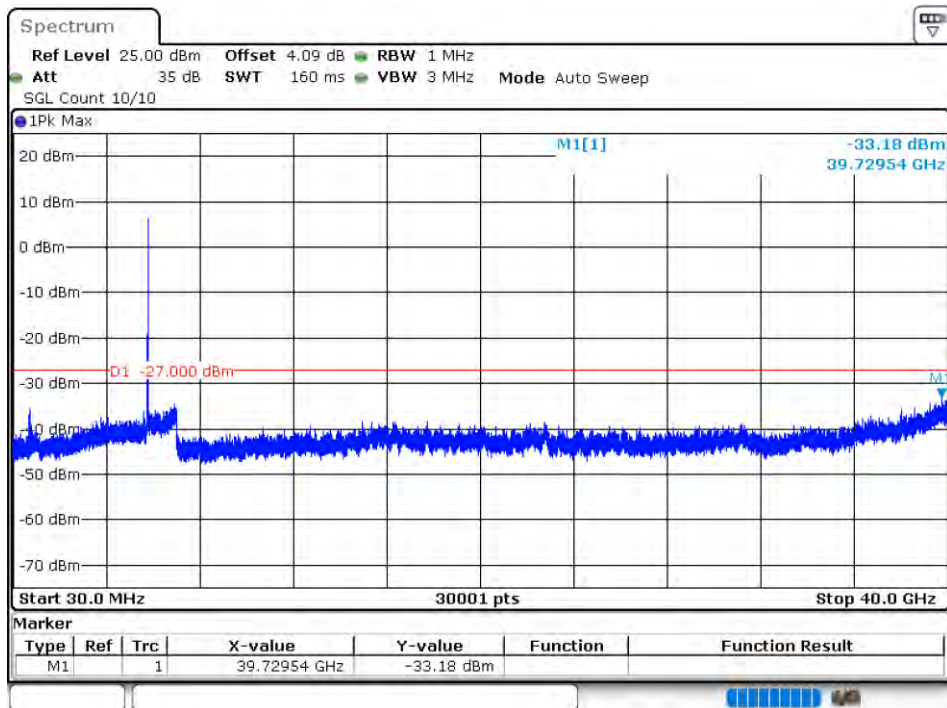




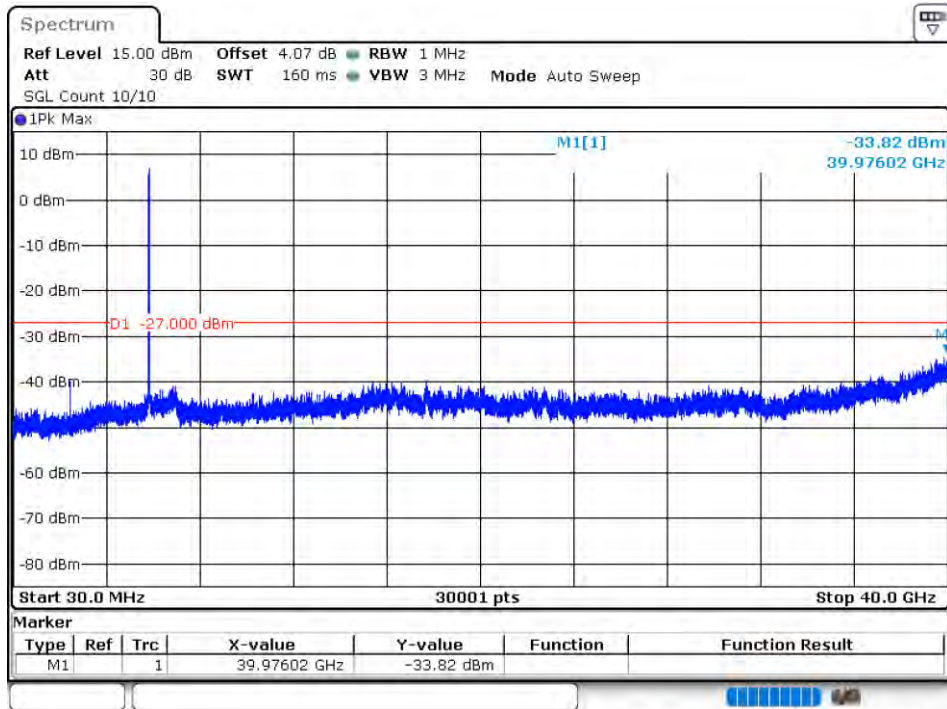
Tx. Spurious NVNT ax20 5745MHz Ant1 Emission



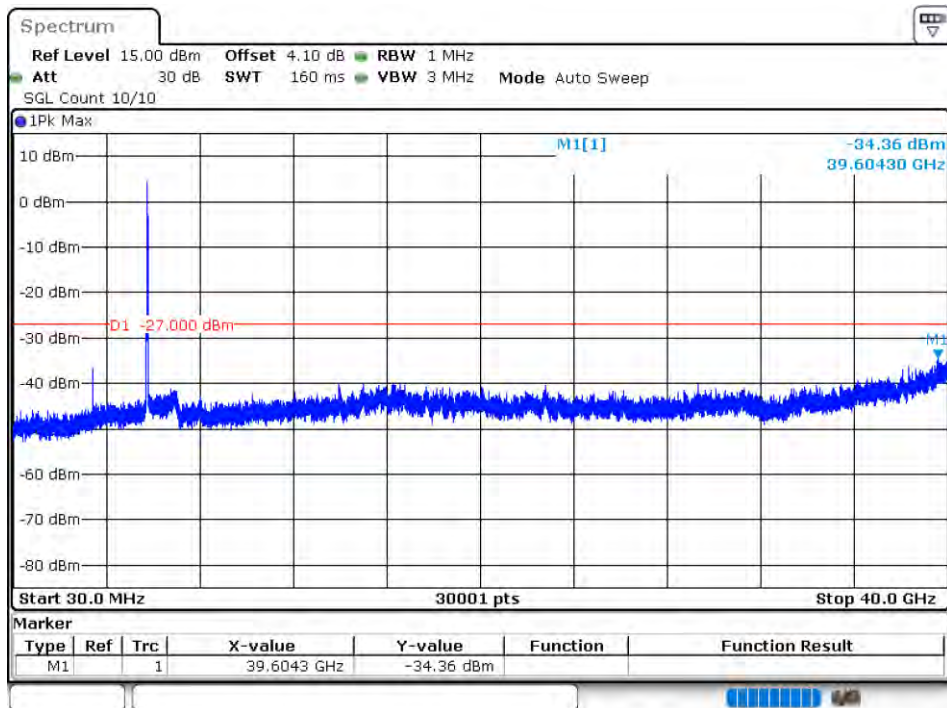
Tx. Spurious NVNT ax20 5785MHz Ant1 Emission



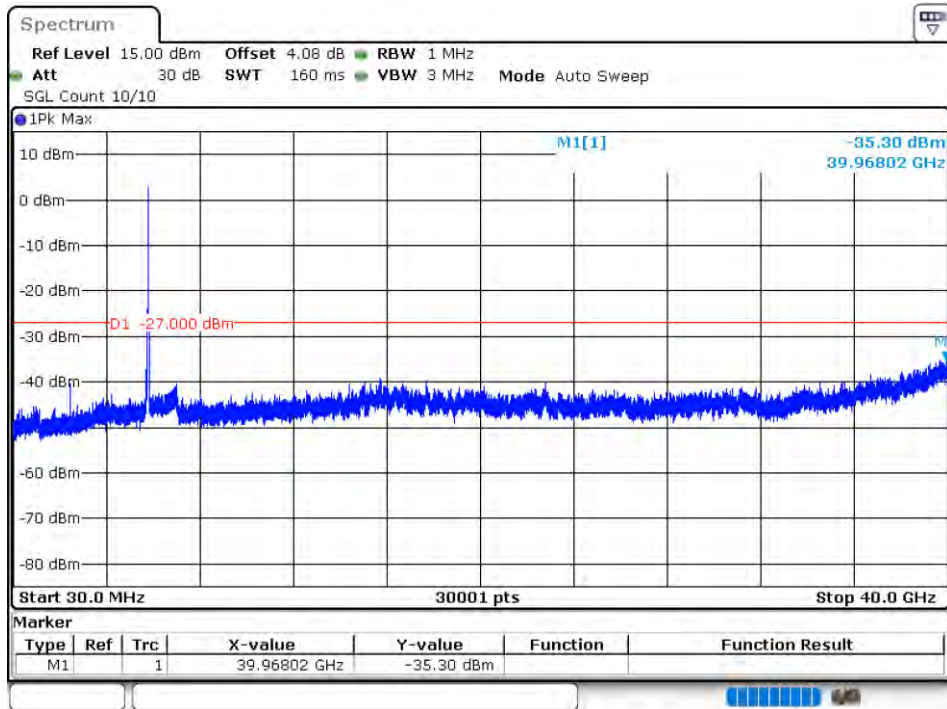
Tx. Spurious NVNT ax20 5825MHz Ant1 Emission



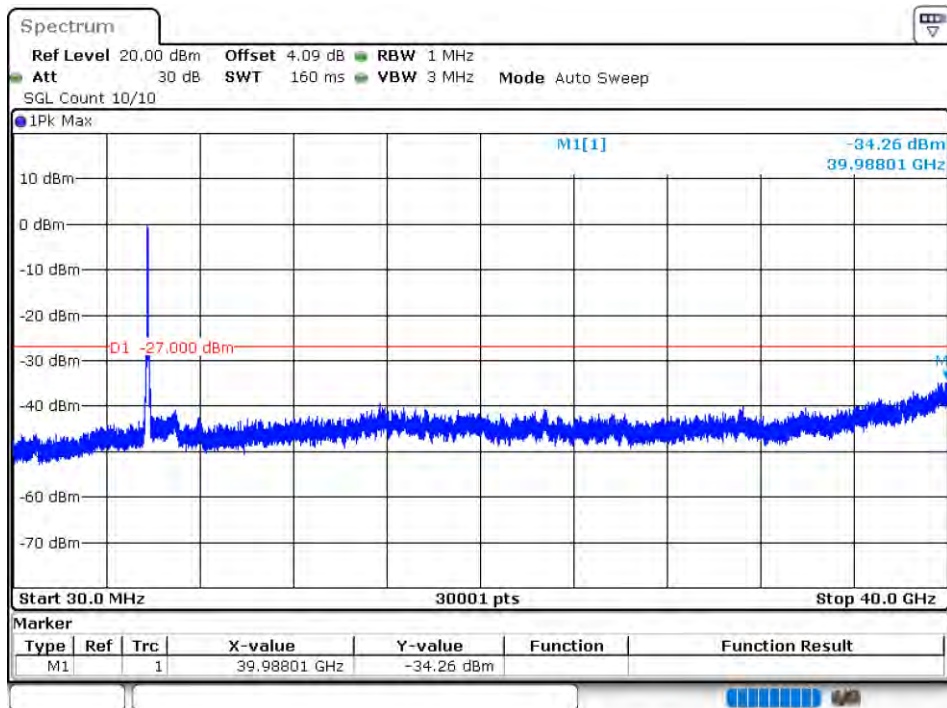
Tx. Spurious NVNT ax40 5755MHz Ant1 Emission



Tx. Spurious NVNT ax40 5795MHz Ant1 Emission



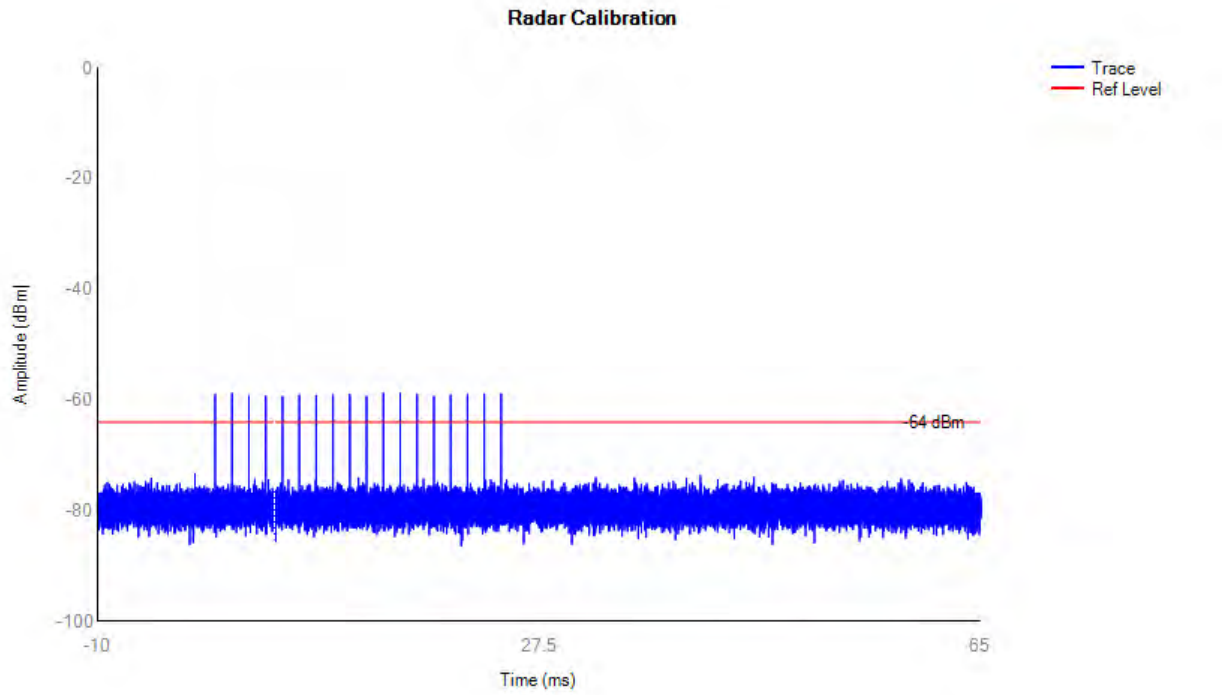
Tx. Spurious NVNT ax80 5775MHz Ant1 Emission



DFS

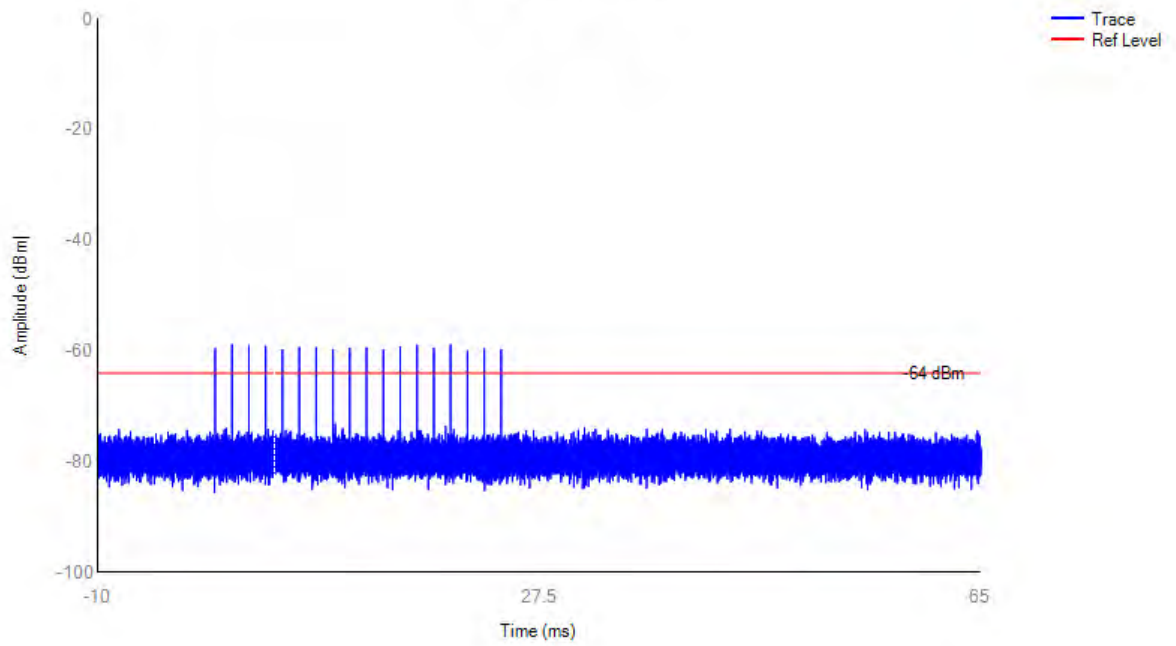
Calibration

5290MHz ac80 DFS_FCC_T0



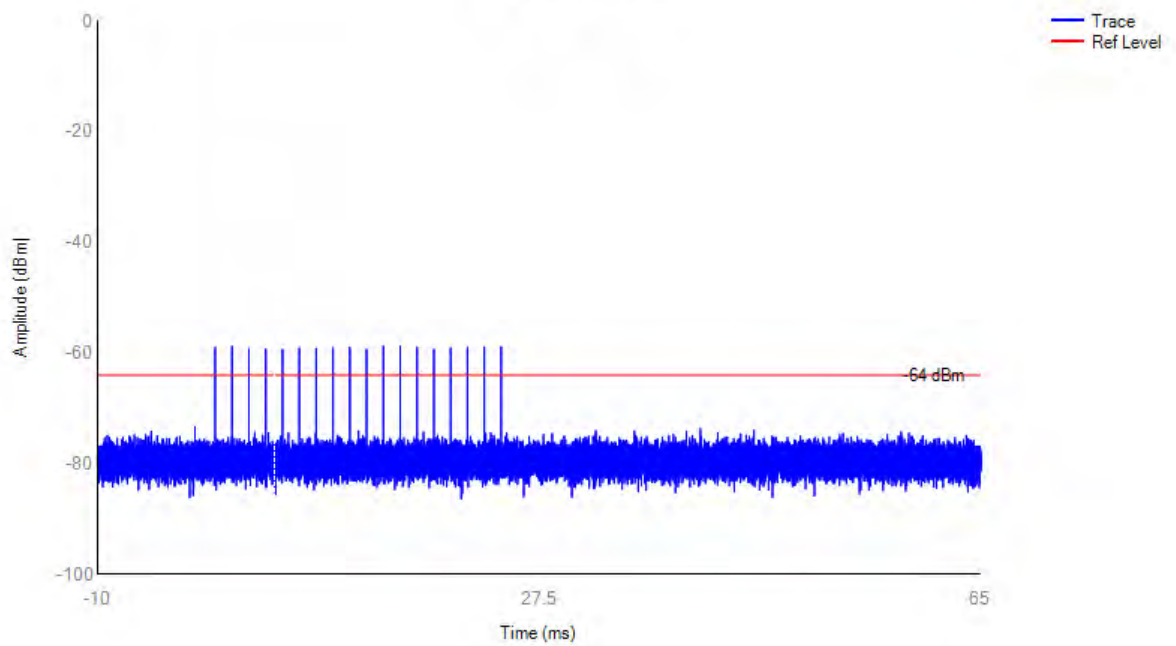
5530MHz ac80 DFS_FCC_T0

Radar Calibration



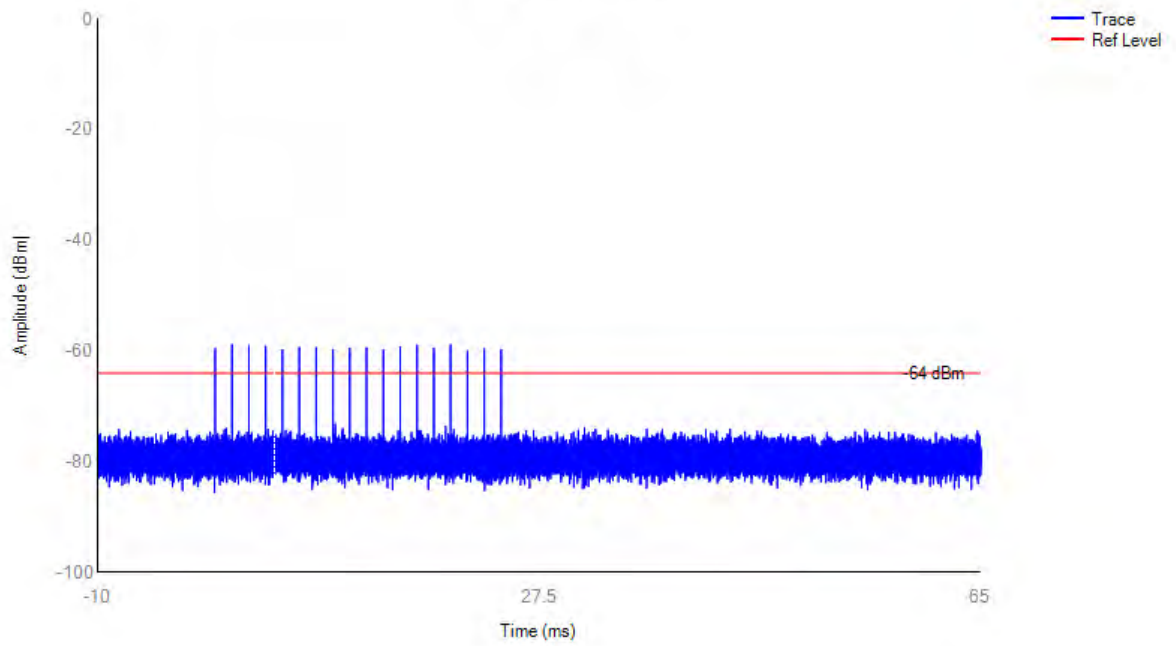
5290MHz ax80 DFS_FCC_T0

Radar Calibration



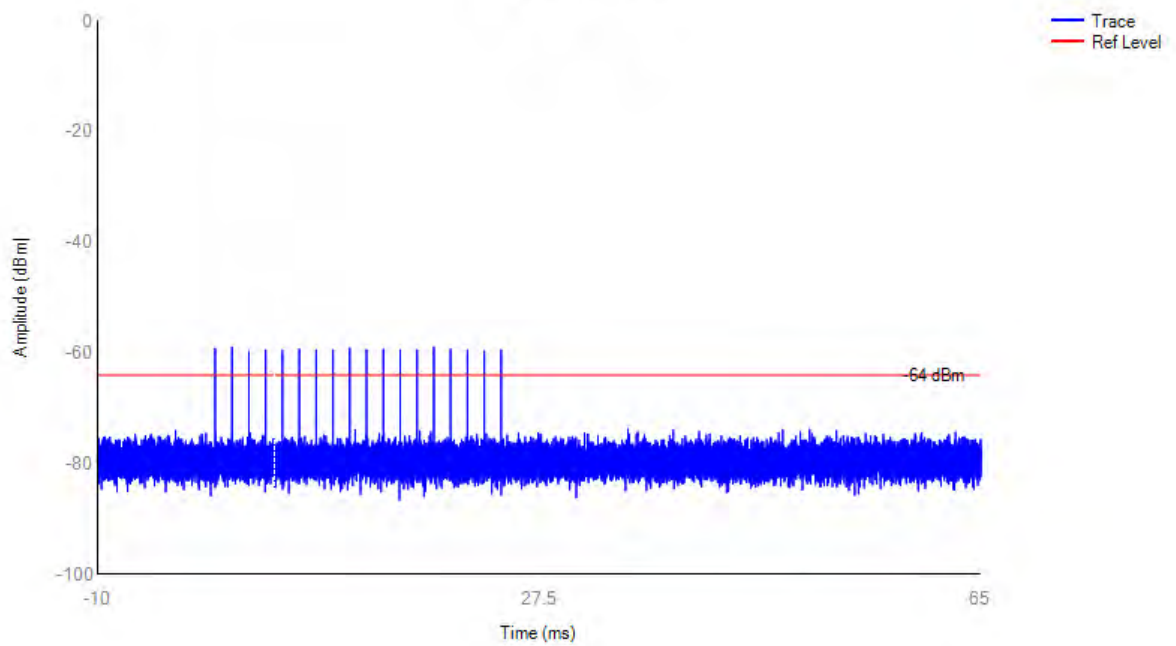
5530MHz ax80 DFS_FCC_T0

Radar Calibration



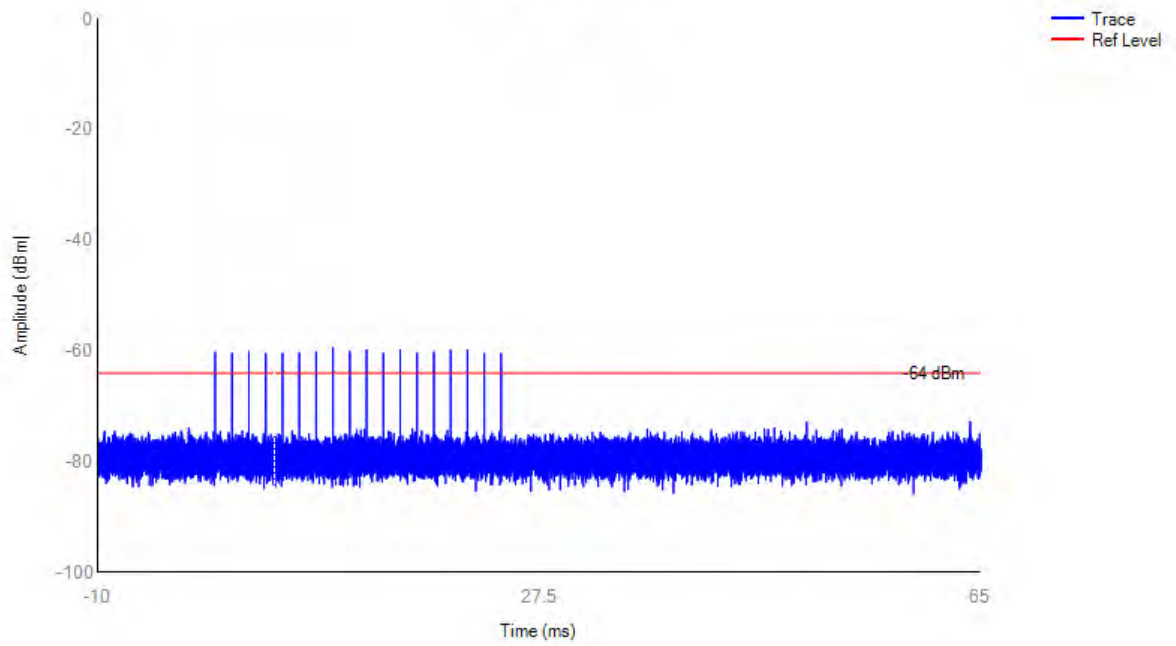
5310MHz n40 DFS_FCC_T0

Radar Calibration



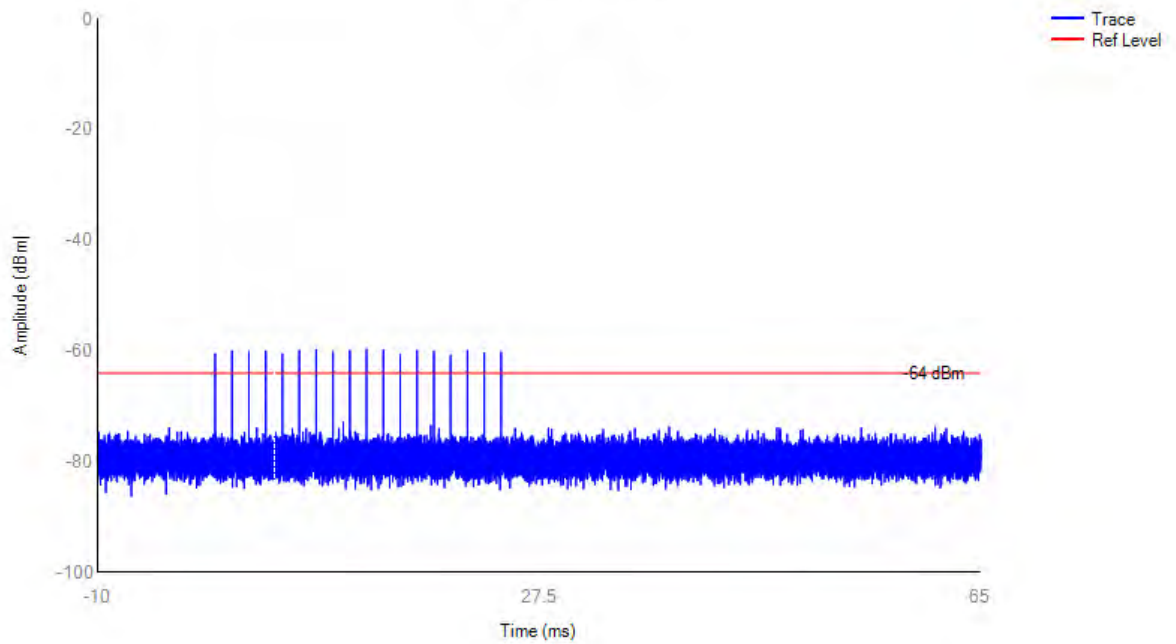
5510MHz n40 DFS_FCC_T0

Radar Calibration



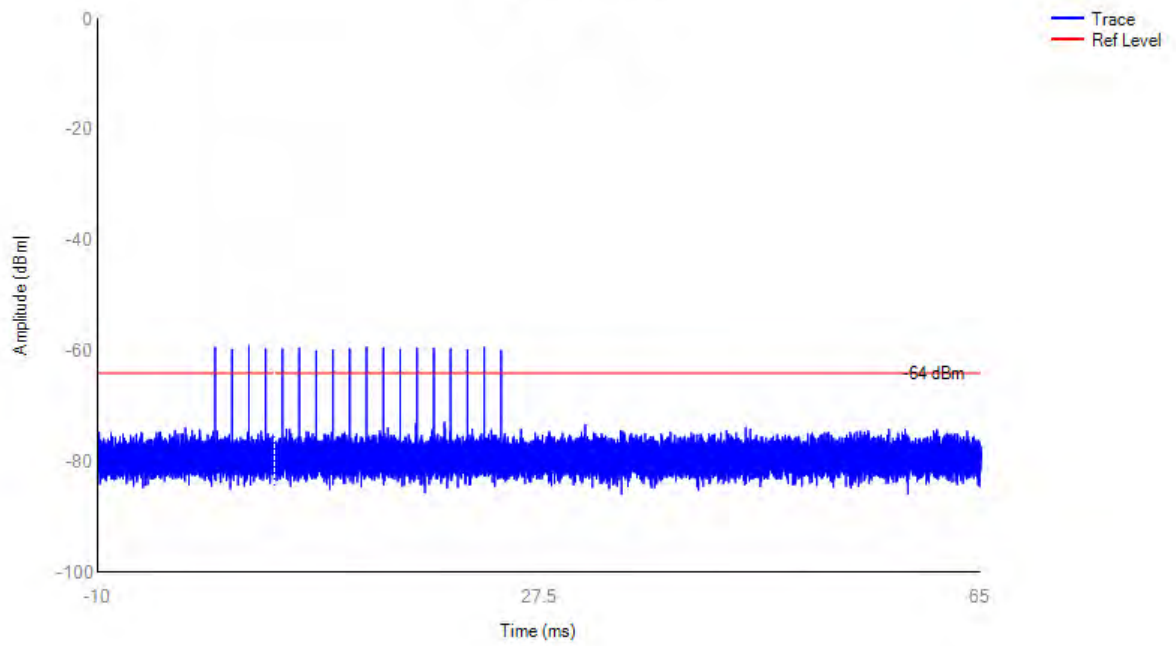
5320MHz a DFS_FCC_T0

Radar Calibration



5500MHz a DFS_FCC_T0

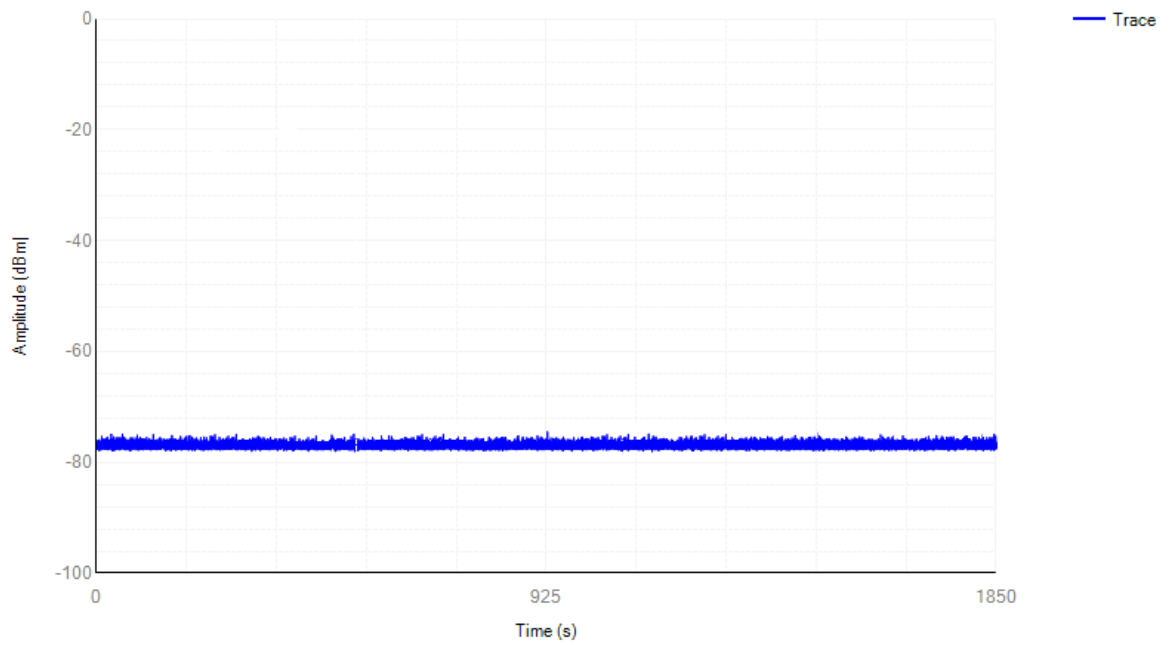
Radar Calibration



Non-Occupancy

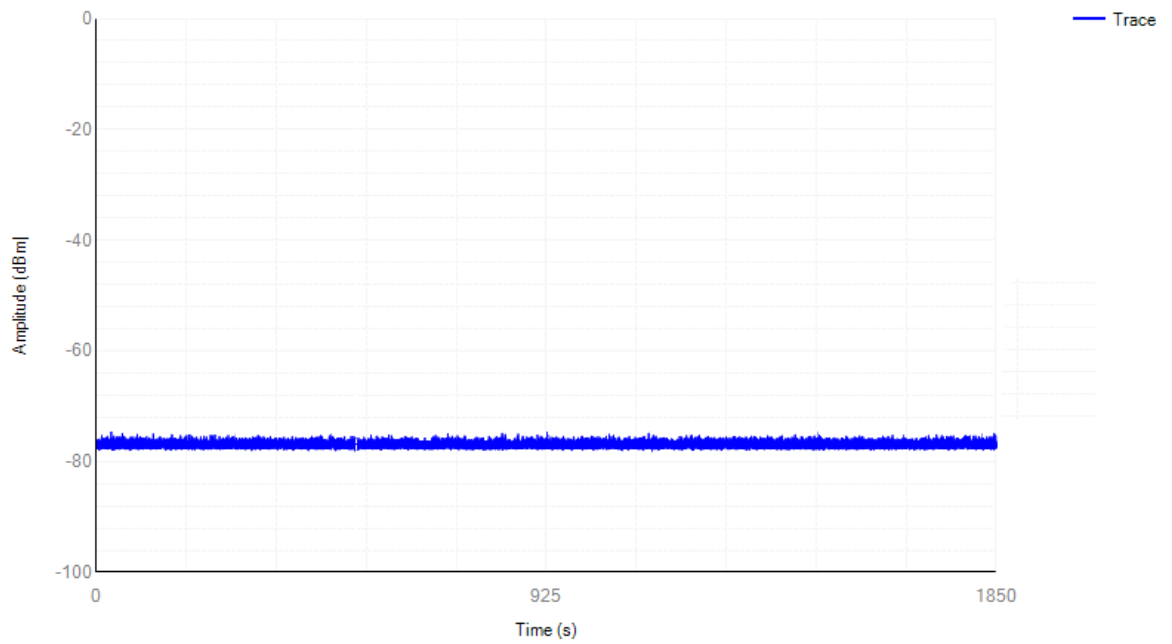
5290MHz ac80 Non-Occupancy

Non-Occupancy period



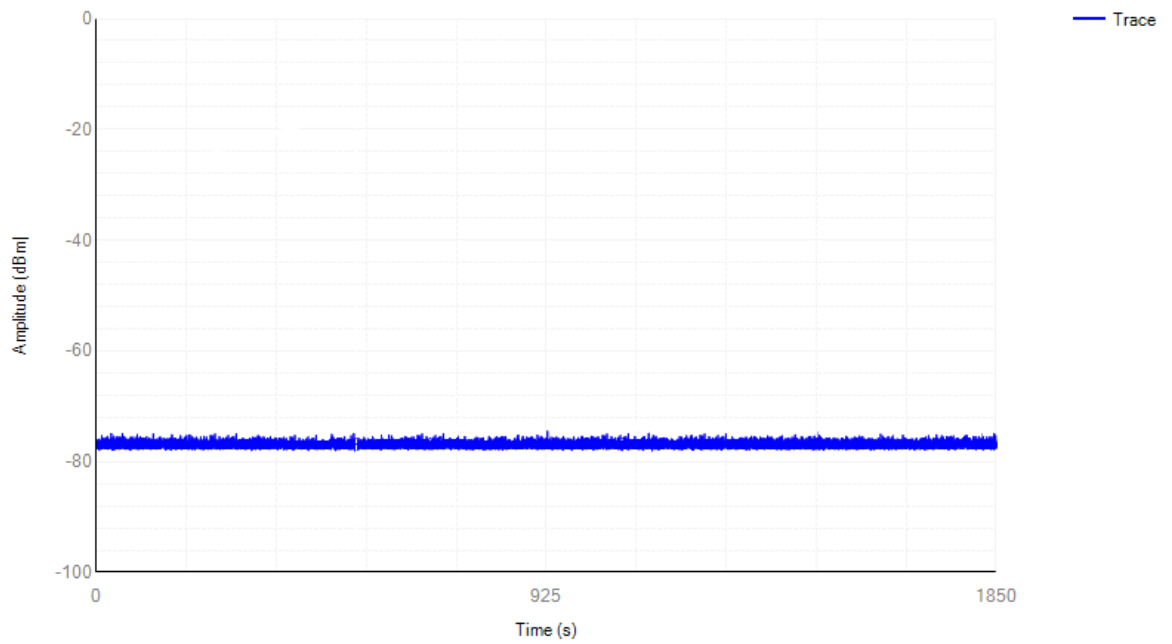
5530MHz ac80 Non-Occupancy

Non-Occupancy period



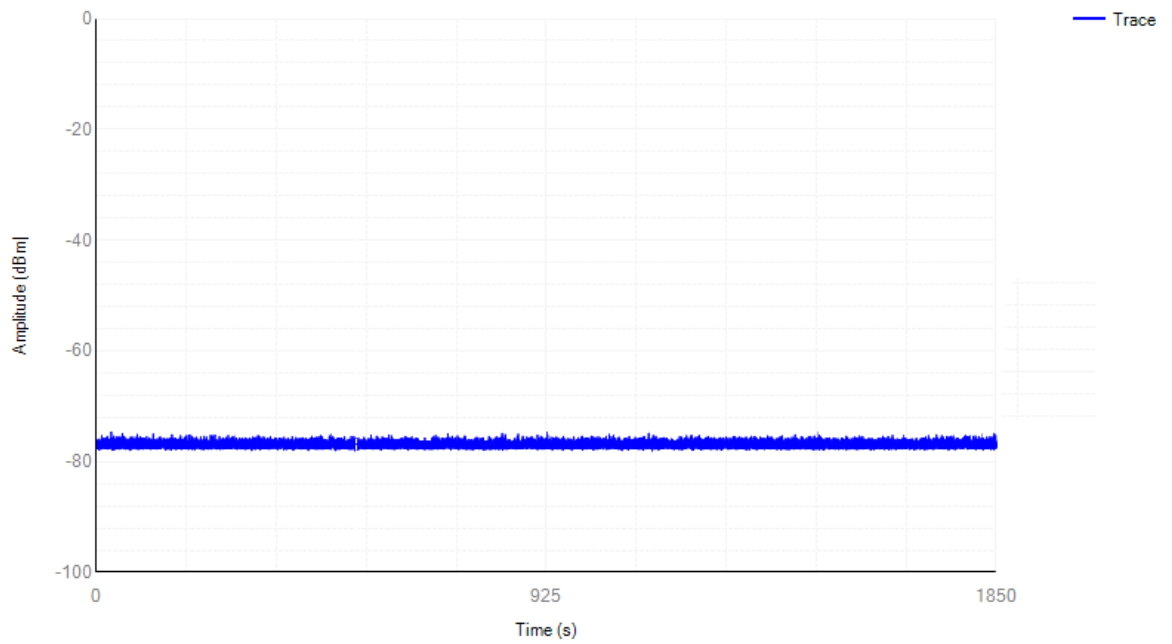
5290MHz ax80 Non-Occupancy

Non-Occupancy period



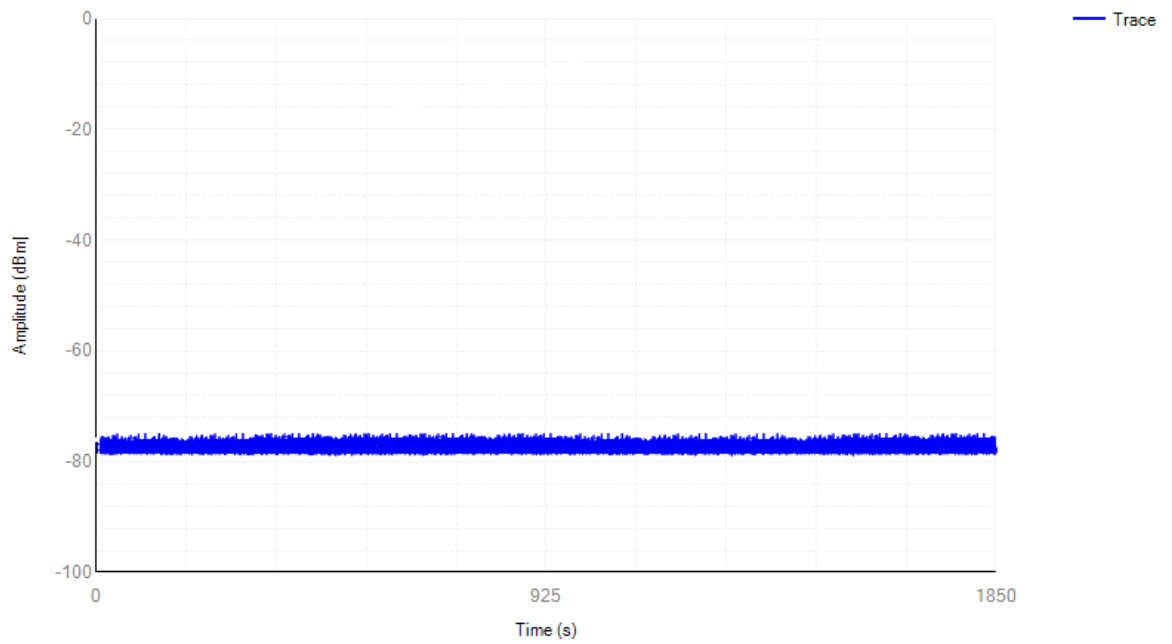
5530MHz ax80 Non-Occupancy

Non-Occupancy period



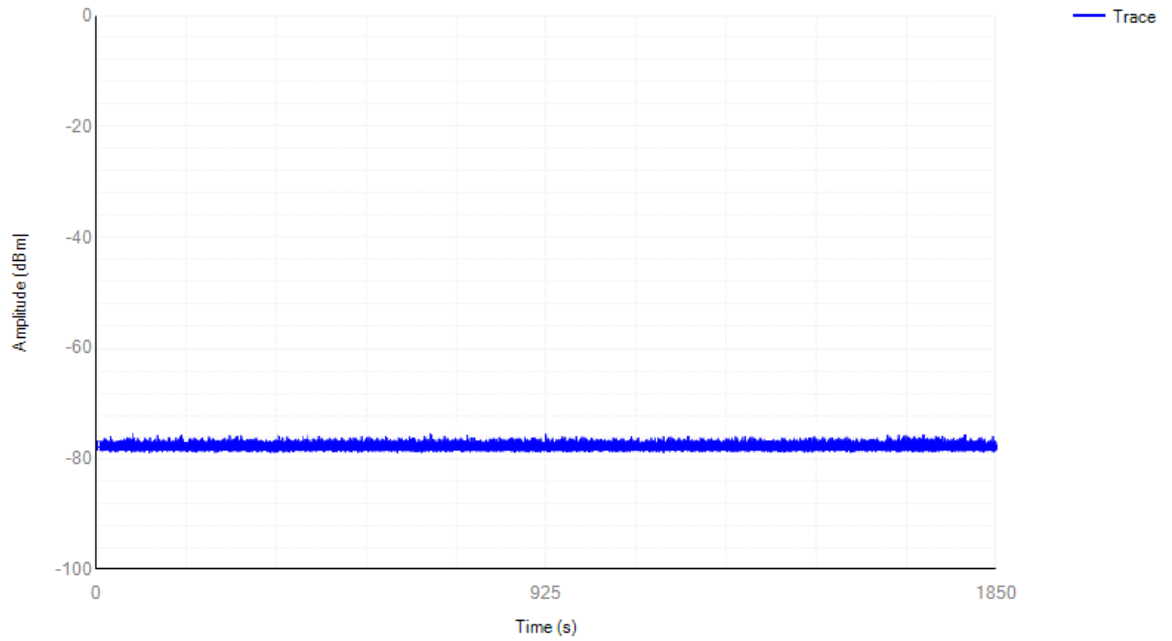
5310MHz n40 Non-Occupancy

Non-Occupancy period



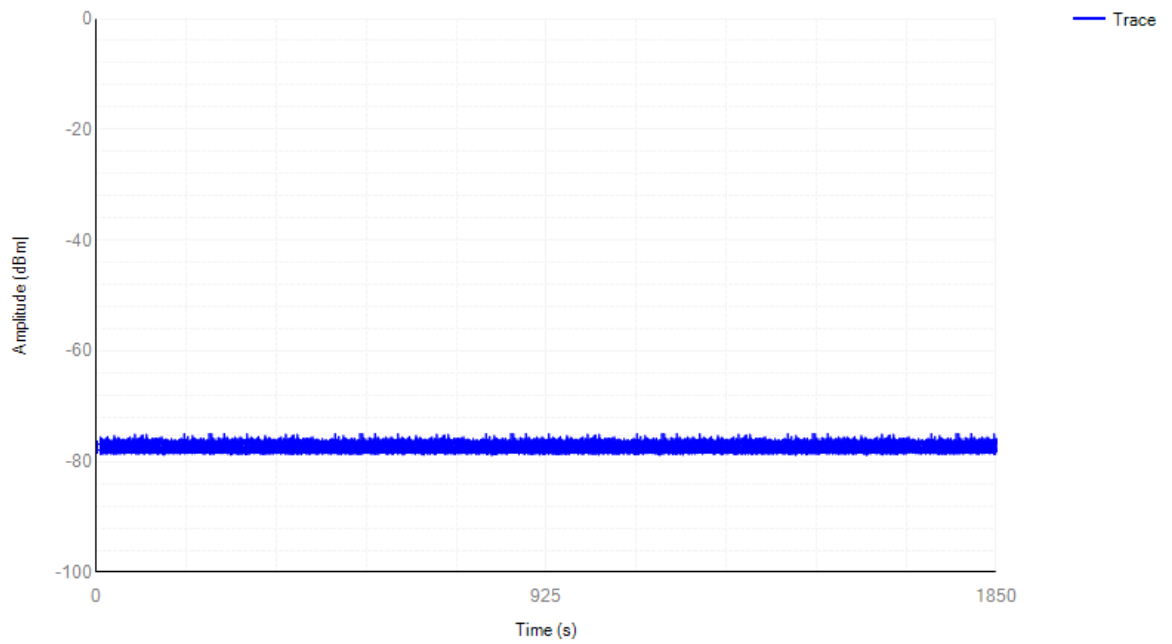
5510MHz n40 Non-Occupancy

Non-Occupancy period



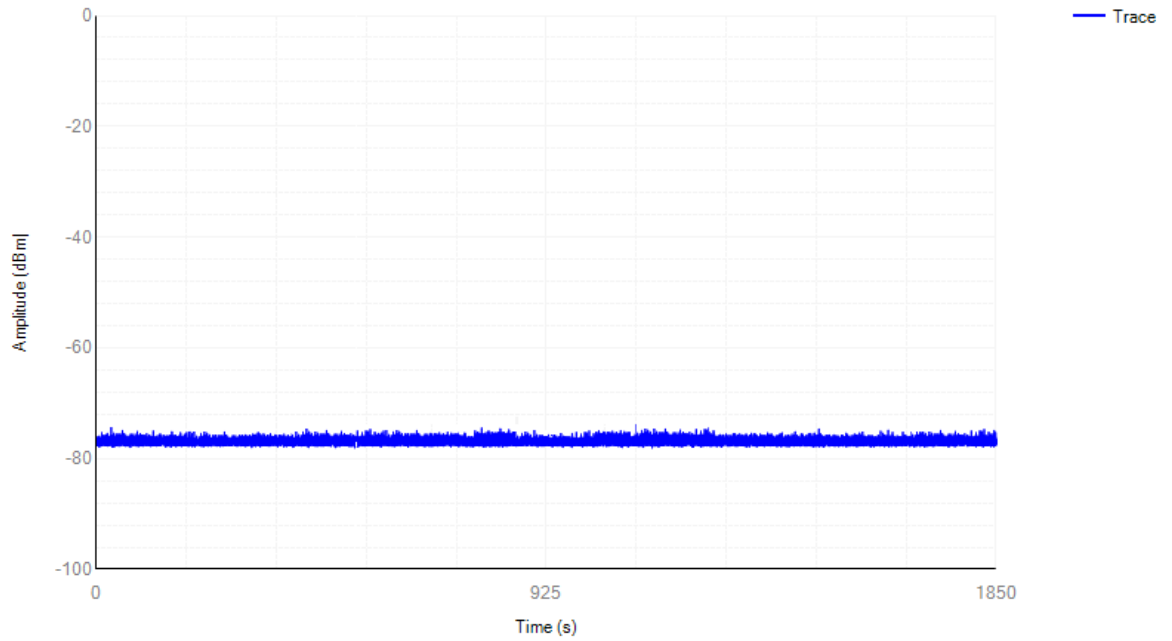
5320MHz a Non-Occupancy

Non-Occupancy period



5500MHz a Non-Occupancy

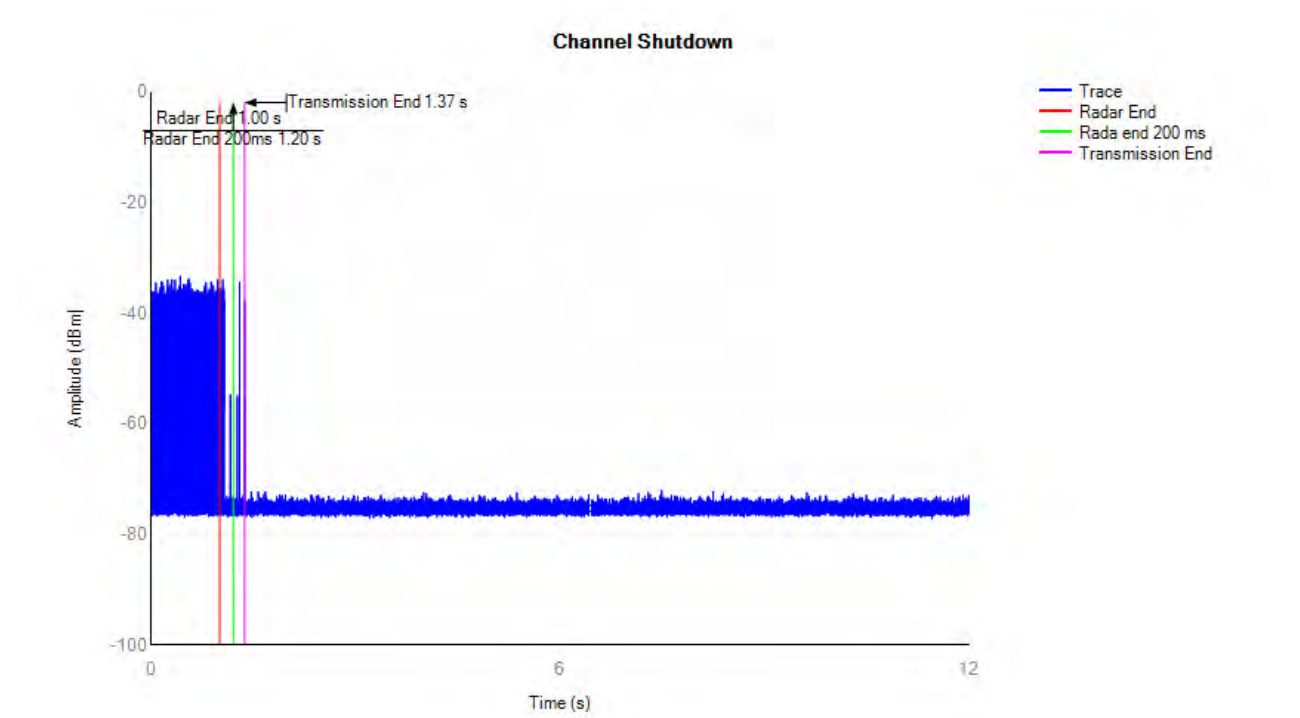
Non-Occupancy period



Shutdown Time

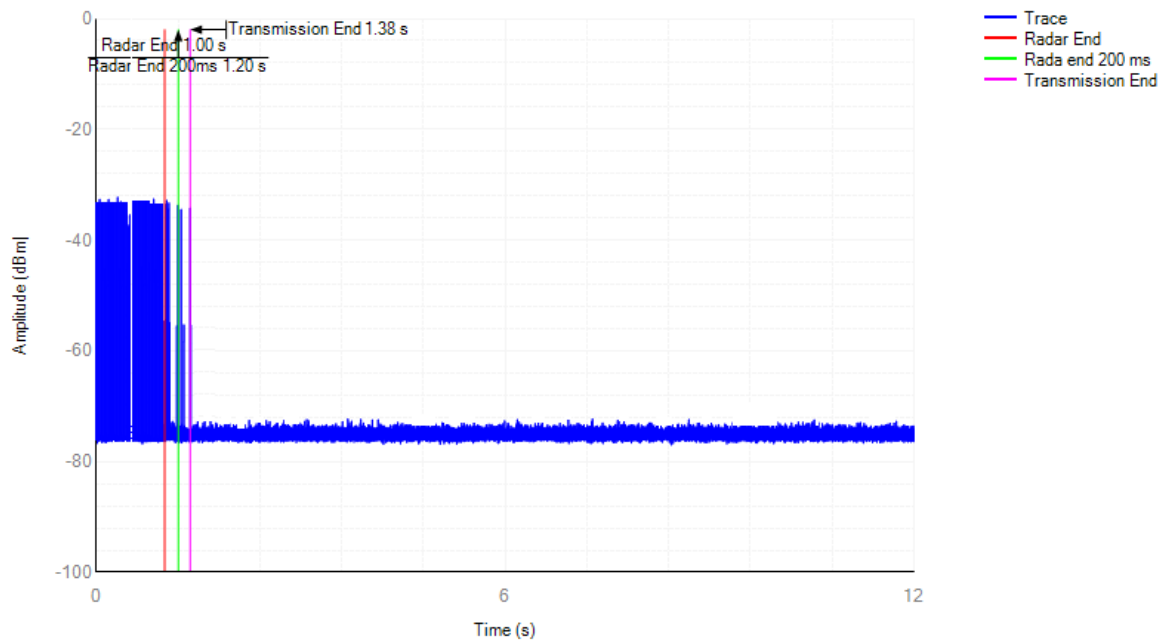
Mod e	Frequen cy (MHz)	Chann el Move Time (s)	Limit Chann el Move Time (s)	Close Transmissi on Time (s)	Limit Close Transmissi on Time (s)	Close Transmissi on Time after 200ms(s)	Limit Close Transmissi on Time after 200ms (s)	Verdi ct
ac80	5290	0.366	10	0.0096	0.26	0.0008	0.06	Pass
ac80	5530	0.3752	10	0.0052	0.26	0.0008	0.06	Pass
ax80	5290	0.366	10	0.0096	0.26	0.0008	0.06	Pass
ax80	5530	0.4692	10	0.0072	0.26	0.0008	0.06	Pass
n40	5310	0.53	10	0.0084	0.26	0.0036	0.06	Pass
n40	5510	0.4312	10	0.004	0.26	0.0024	0.06	Pass
a	5320	0.4284	10	0.0084	0.26	0.002	0.06	Pass
a	5500	0.514	10	0.0092	0.26	0.0024	0.06	Pass

5290MHz ac80 Shutdown



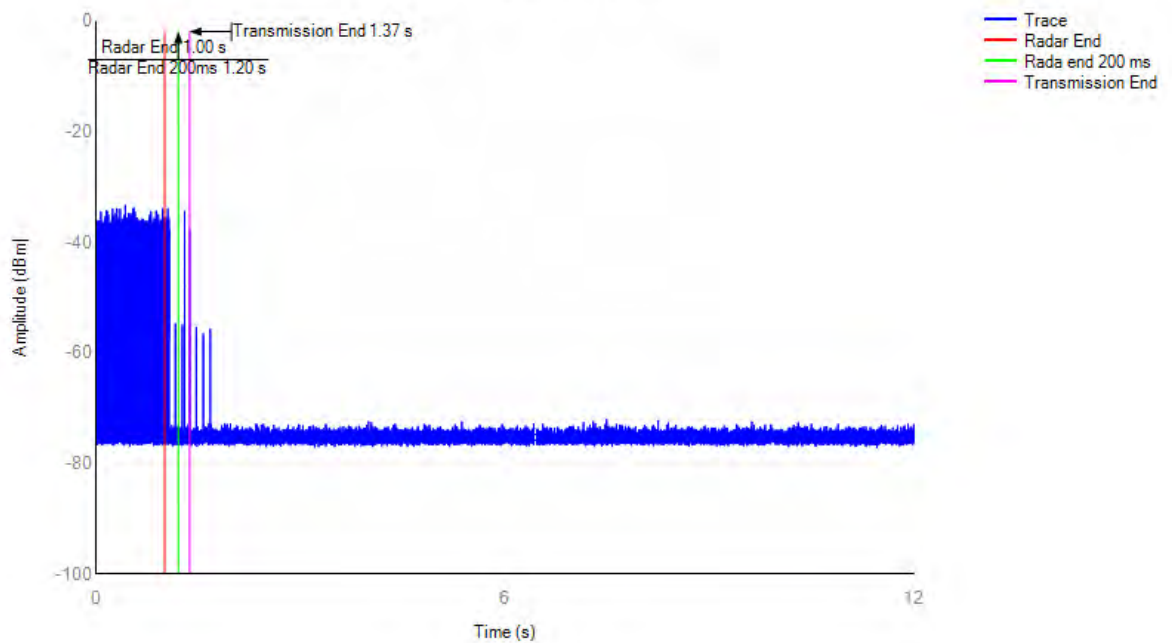
5530MHz ac80 Shutdown

Channel Shutdown

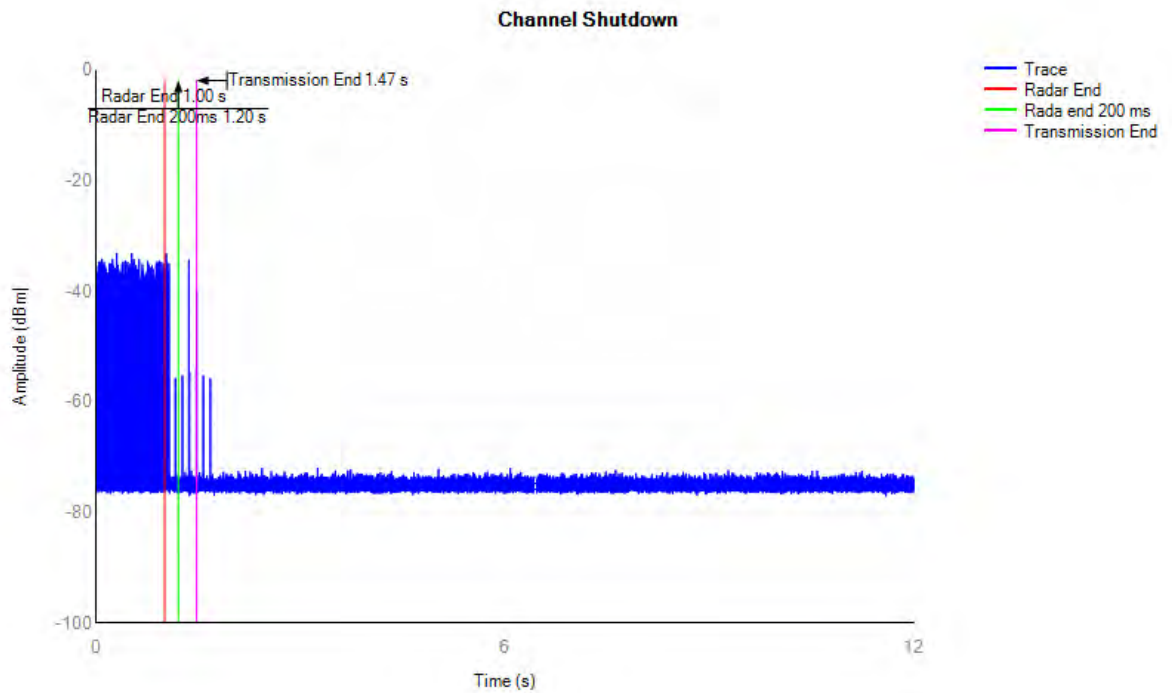


5290MHz ax80 Shutdown

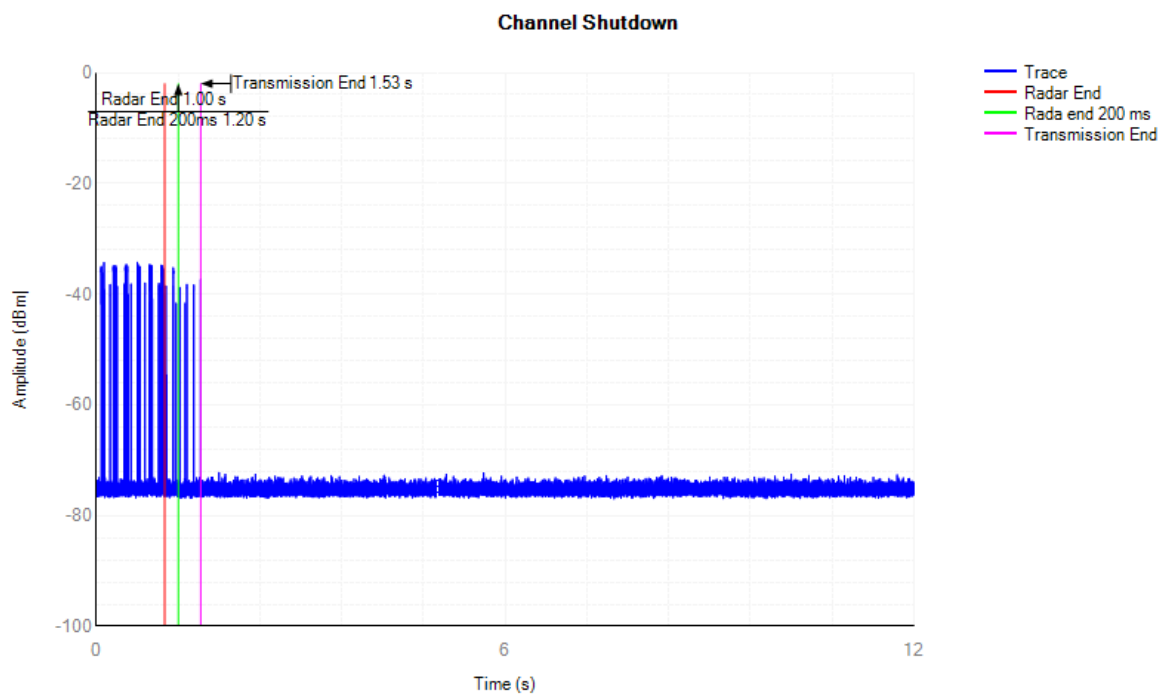
Channel Shutdown



5530MHz ax80 Shutdown

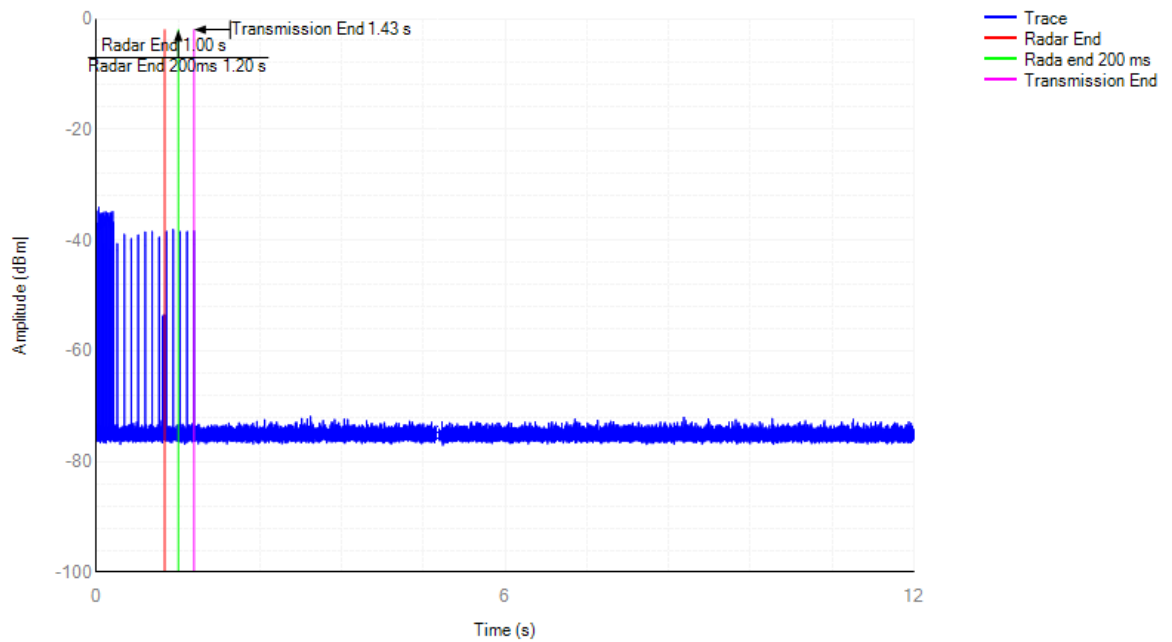


5310MHz n40 Shutdown



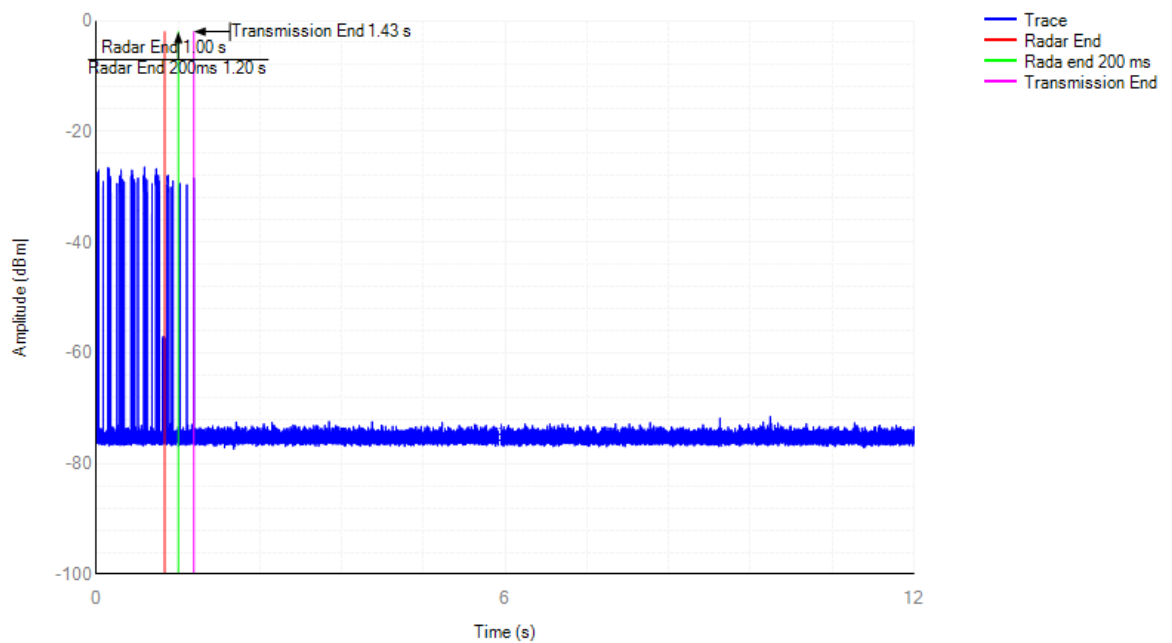
5510MHz n40 Shutdown

Channel Shutdown



5320MHz a Shutdown

Channel Shutdown



5500MHz a Shutdown

Channel Shutdown

