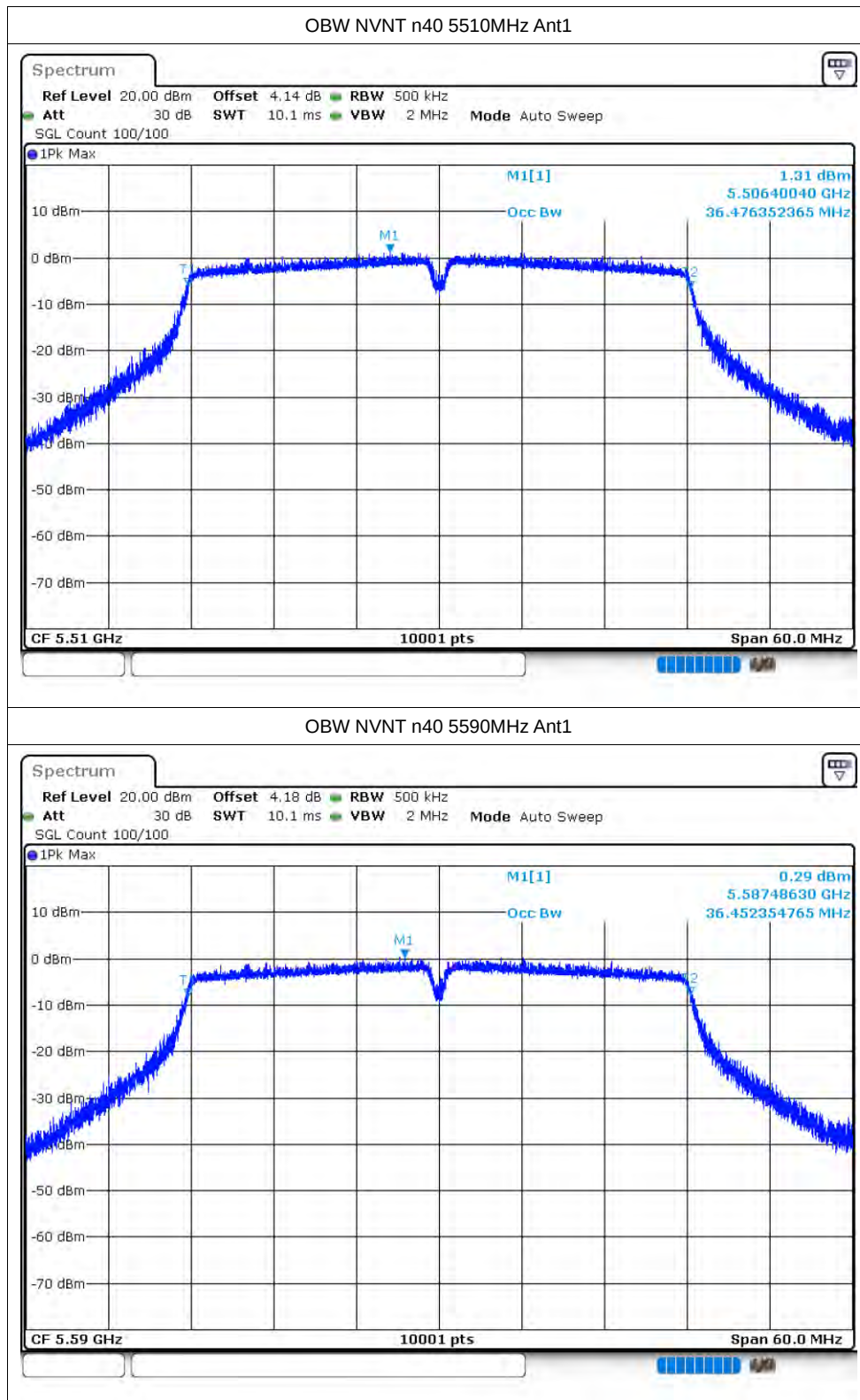
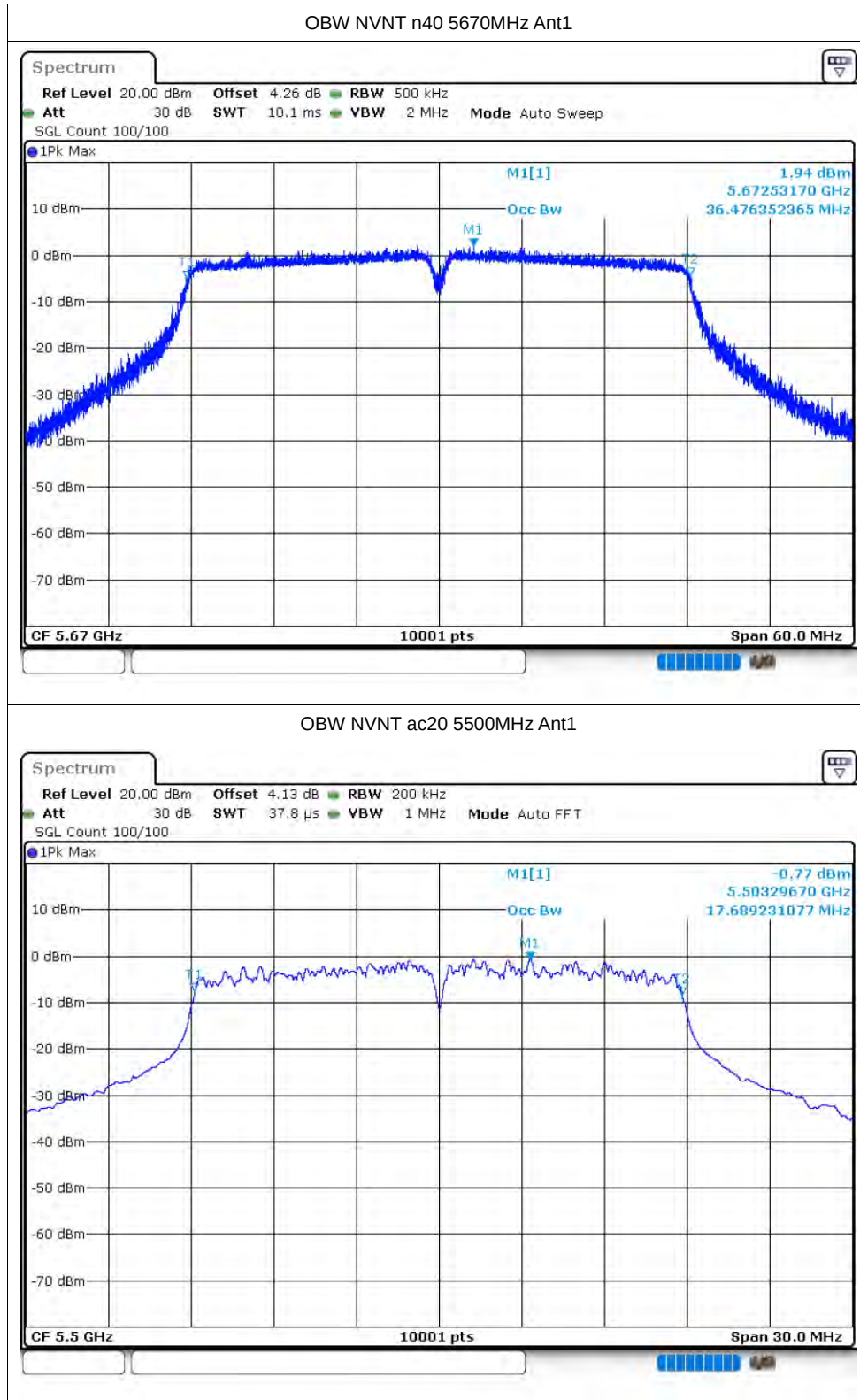
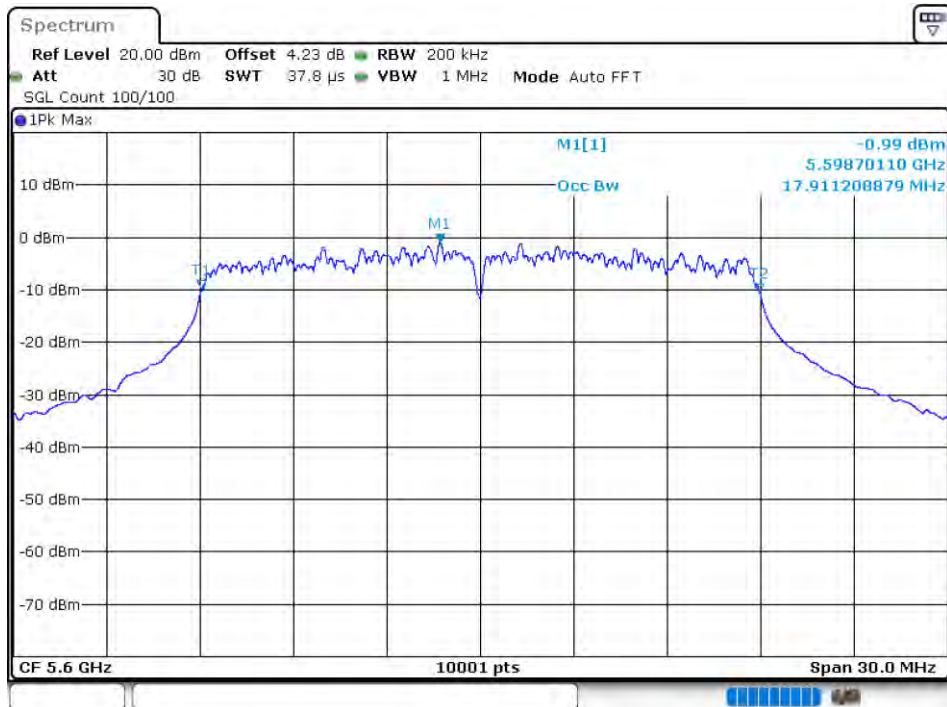


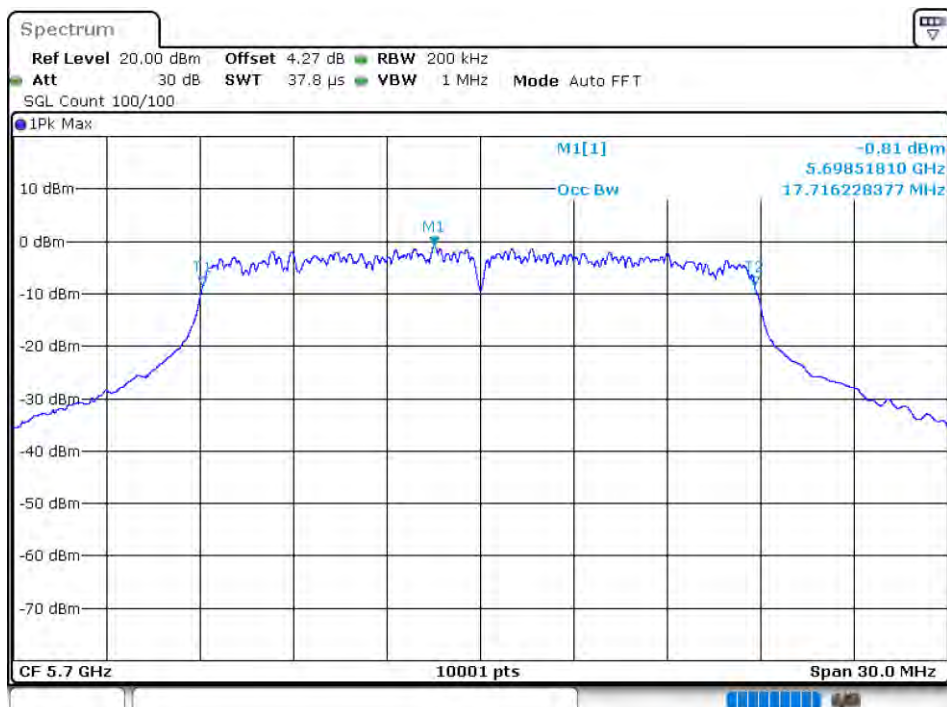


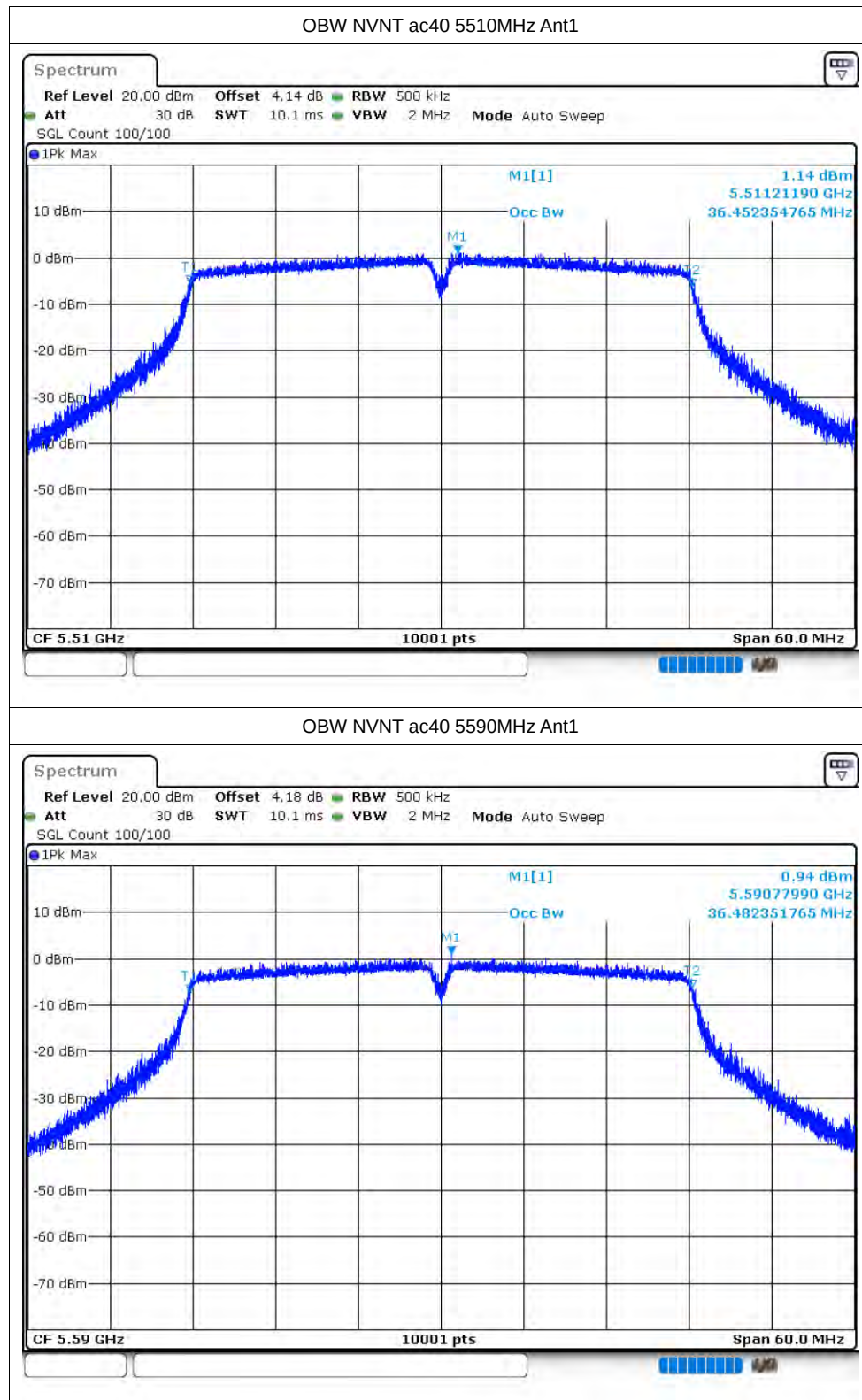


OBW NVNT ac20 5600MHz Ant1

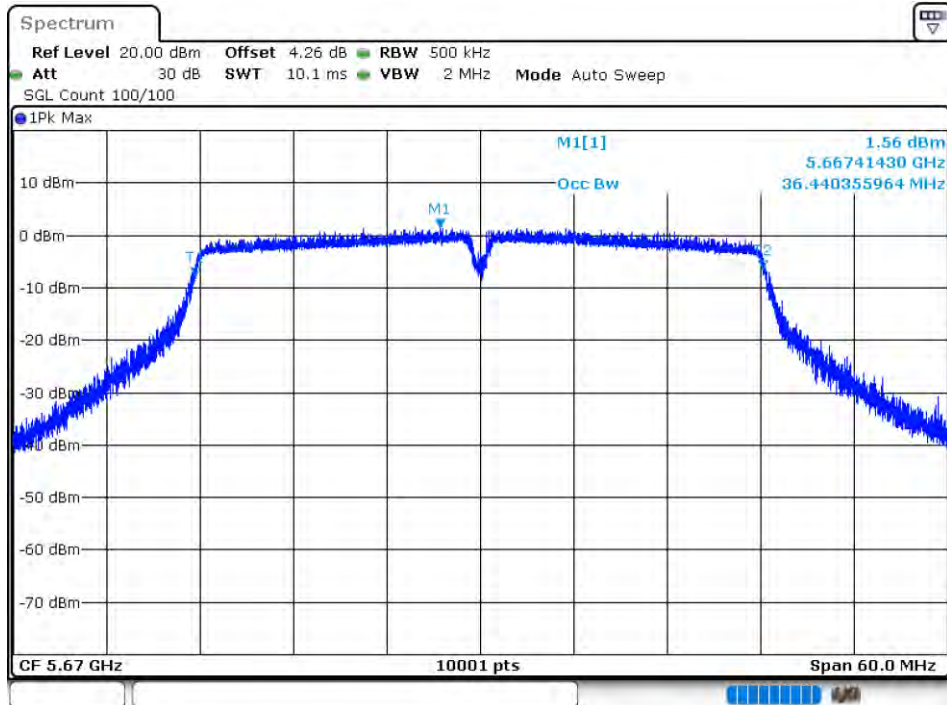


OBW NVNT ac20 5700MHz Ant1

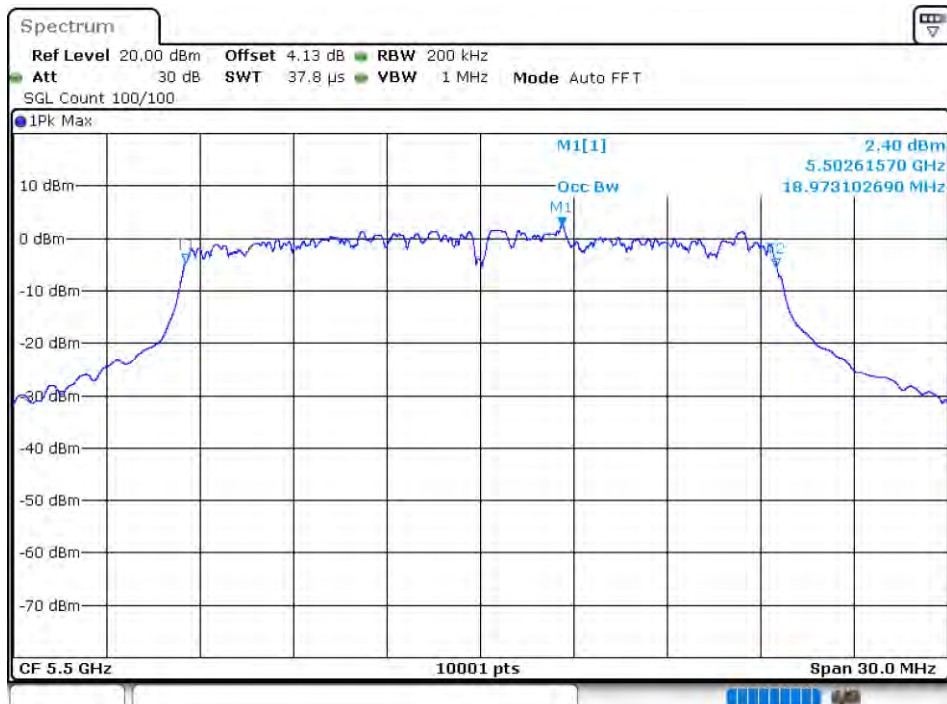


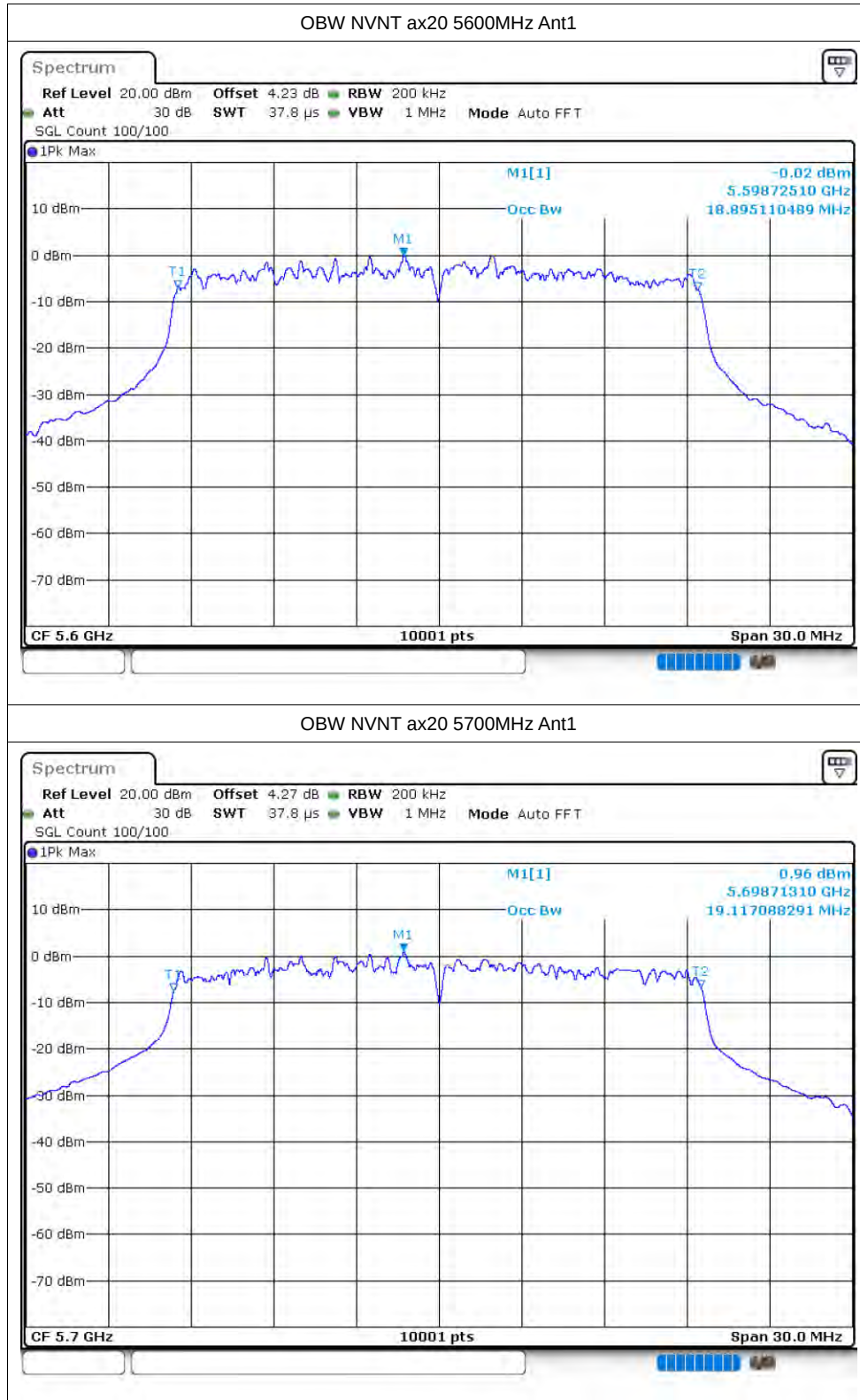


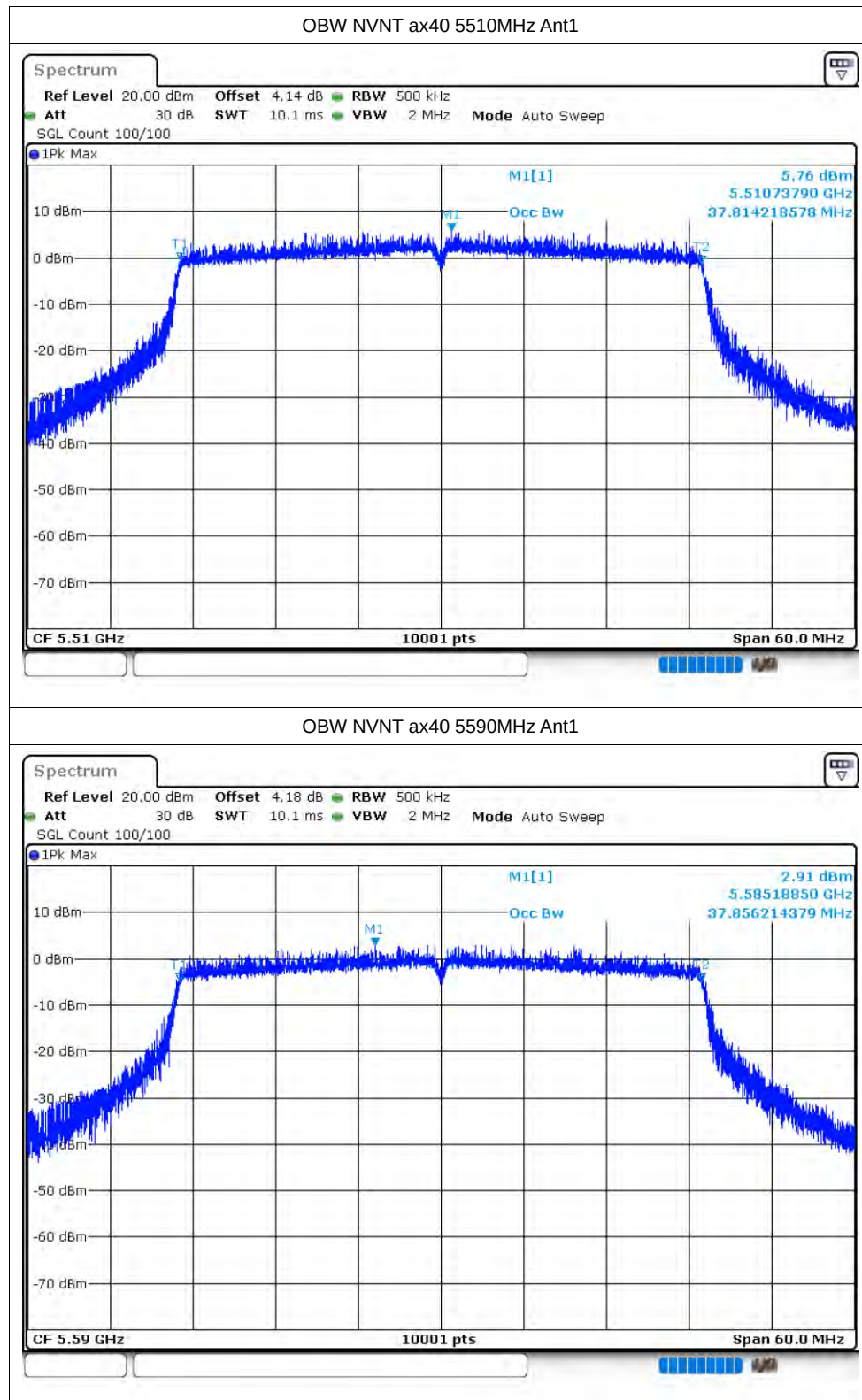
OBW NVNT ac40 5670MHz Ant1

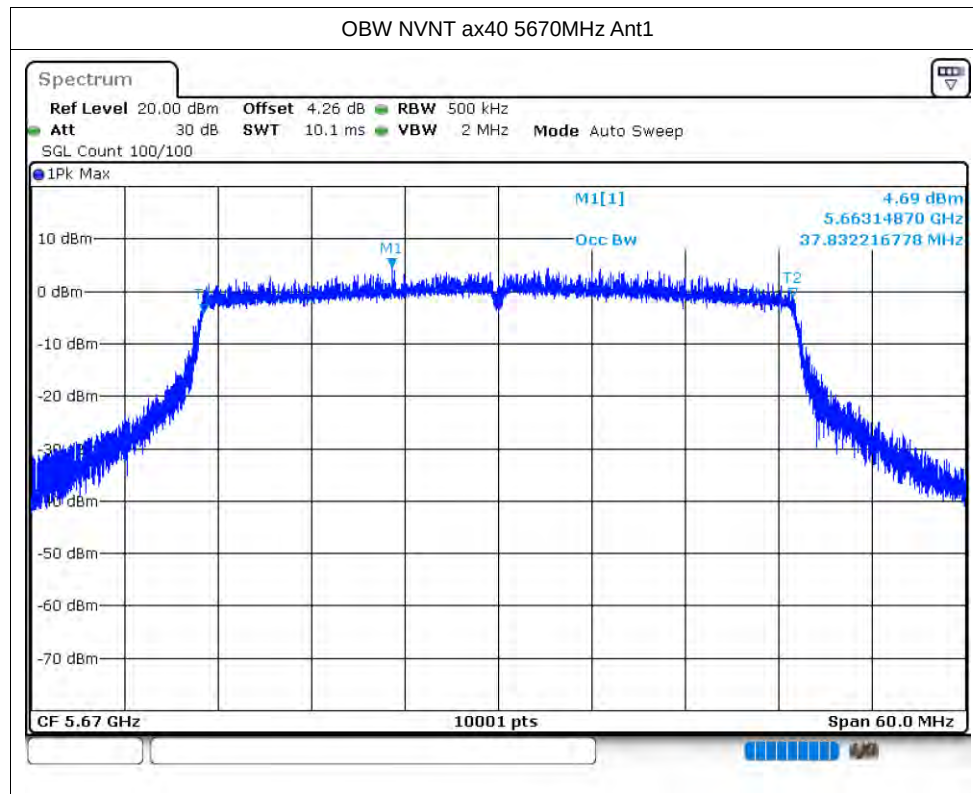


OBW NVNT ax20 5500MHz Ant1







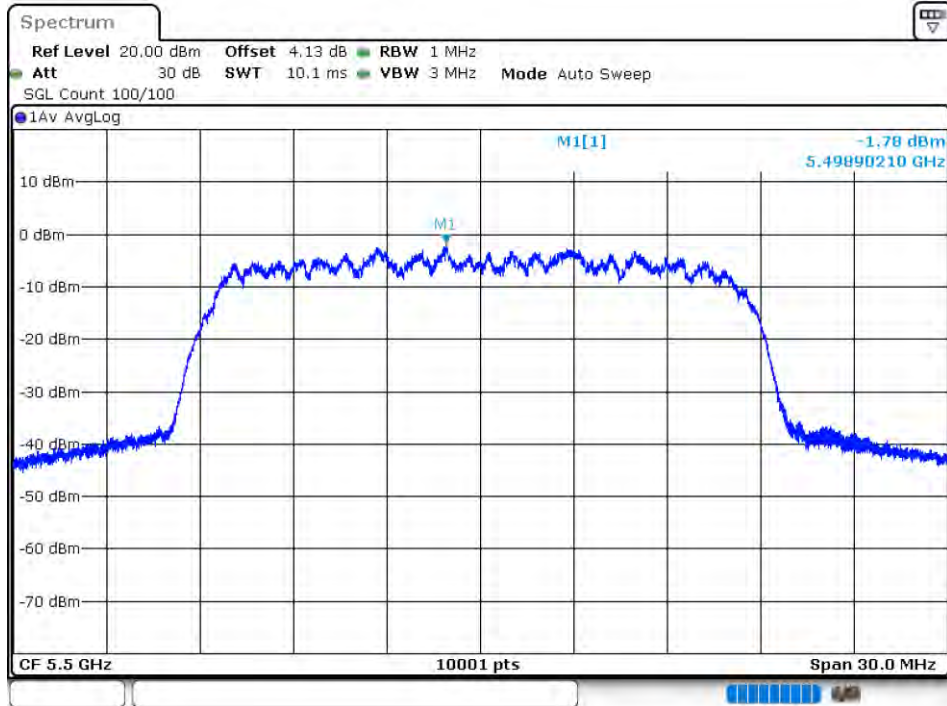


Maximum Power Spectral Density Level

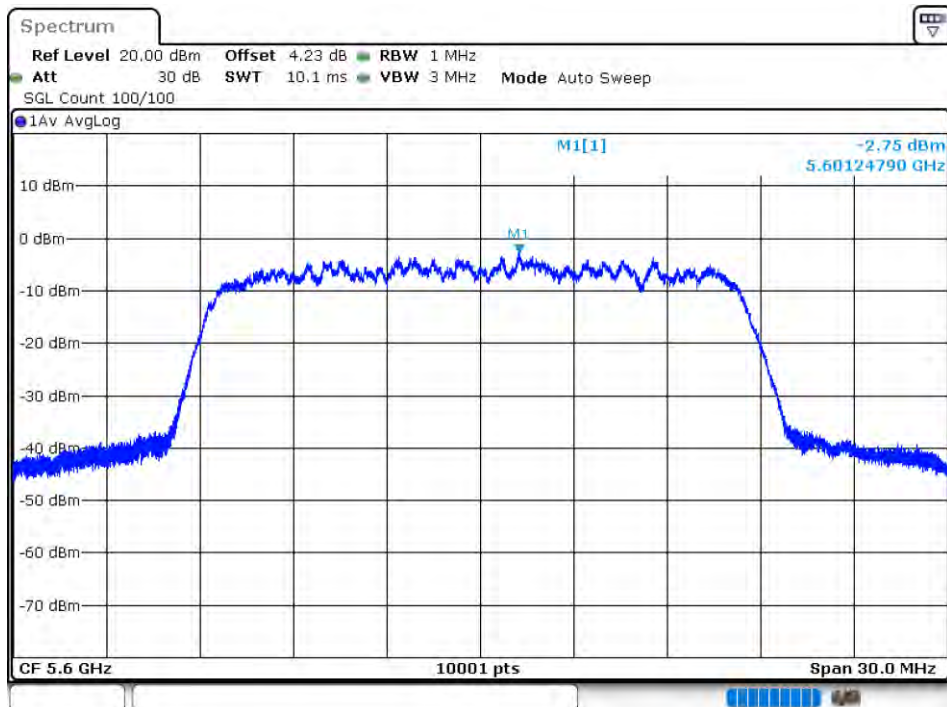
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	-1.78	0.24	-1.54	11	Pass
NVNT	a	5600	Ant1	-2.75	0.23	-2.52	11	Pass
NVNT	a	5700	Ant1	-2.44	0.22	-2.22	11	Pass
NVNT	n20	5500	Ant1	-2.62	0.23	-2.39	11	Pass
NVNT	n20	5600	Ant1	-3.62	0.24	-3.38	11	Pass
NVNT	n20	5700	Ant1	-2.48	0.23	-2.25	11	Pass
NVNT	n40	5510	Ant1	-9.61	0.47	-9.14	11	Pass
NVNT	n40	5590	Ant1	-8.78	0.69	-8.09	11	Pass
NVNT	n40	5670	Ant1	-8.32	0.65	-7.67	11	Pass
NVNT	ac20	5500	Ant1	-3.23	0.23	-3	11	Pass
NVNT	ac20	5600	Ant1	-3.4	0.25	-3.15	11	Pass
NVNT	ac20	5700	Ant1	-2.73	0.36	-2.37	11	Pass
NVNT	ac40	5510	Ant1	-8.58	0.48	-8.1	11	Pass
NVNT	ac40	5590	Ant1	-8.54	0.7	-7.84	11	Pass
NVNT	ac40	5670	Ant1	-8.82	0.67	-8.15	11	Pass
NVNT	ax20	5500	Ant1	-2.67	0.47	-2.2	11	Pass
NVNT	ax20	5600	Ant1	-5.31	0.45	-4.86	11	Pass
NVNT	ax20	5700	Ant1	-3.93	0.31	-3.62	11	Pass
NVNT	ax40	5510	Ant1	-7.42	0.81	-6.61	11	Pass
NVNT	ax40	5590	Ant1	-8.77	0.59	-8.18	11	Pass
NVNT	ax40	5670	Ant1	-9.98	0.81	-9.17	11	Pass

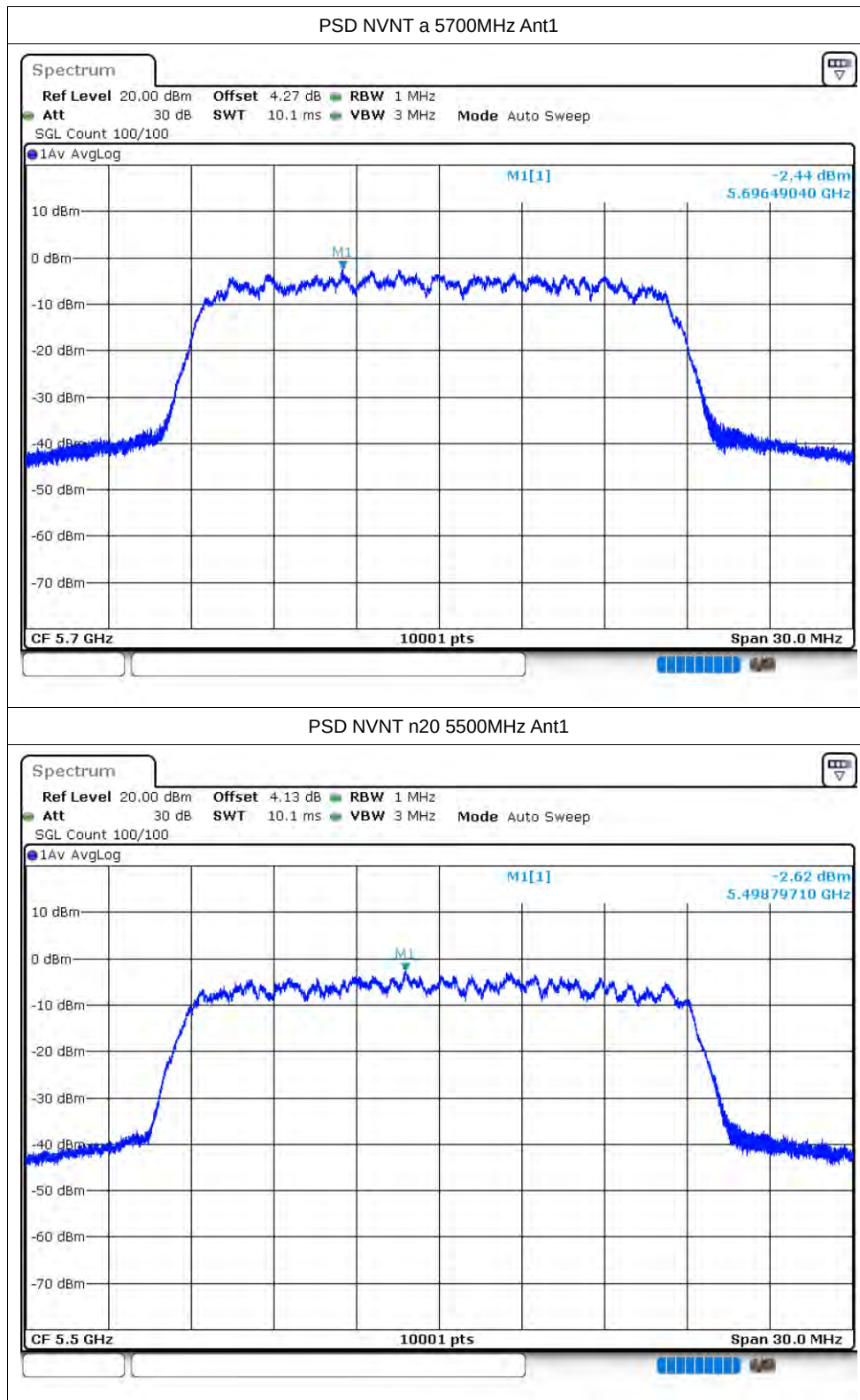
Test Graphs

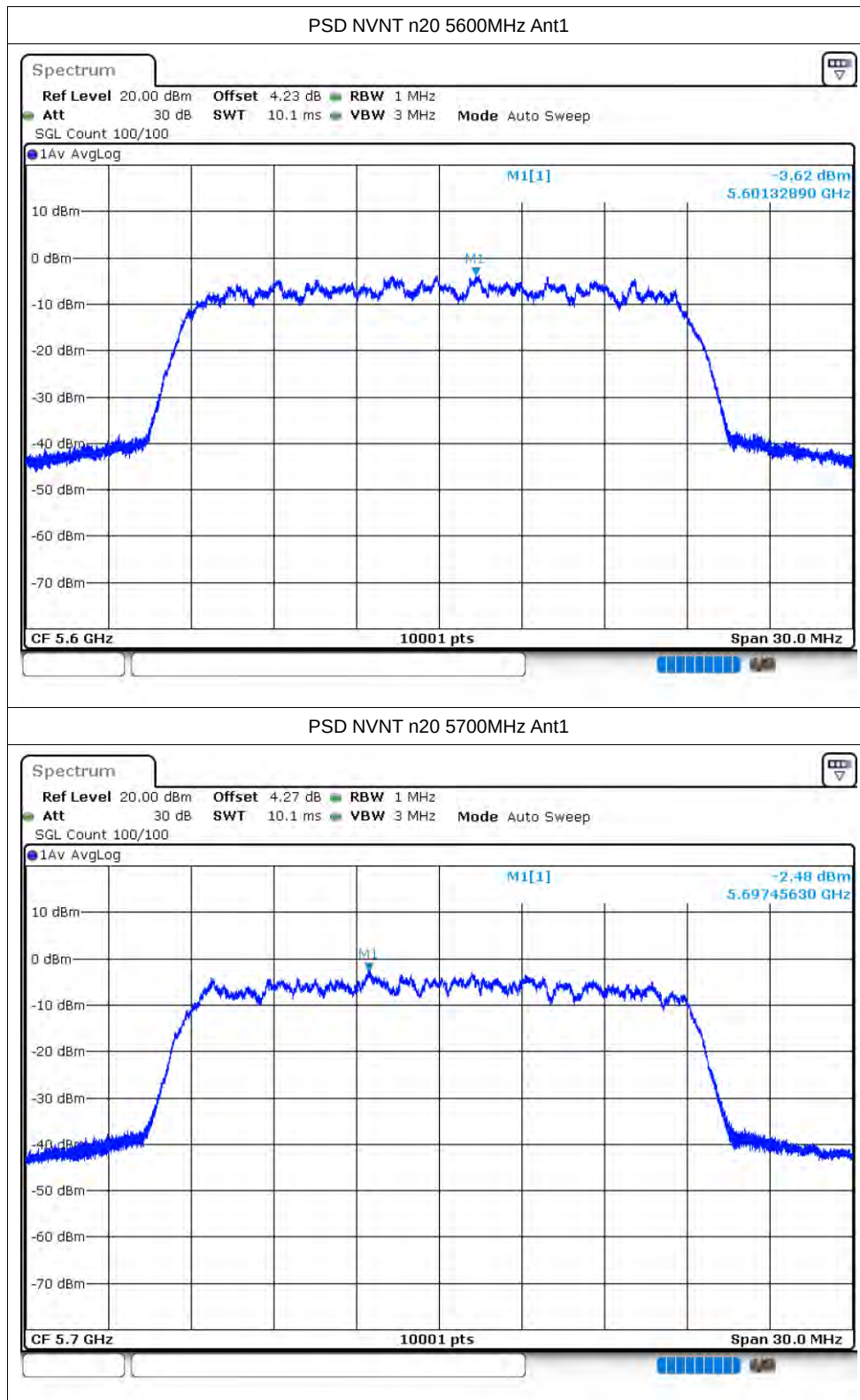
PSD NVNT a 5500MHz Ant1

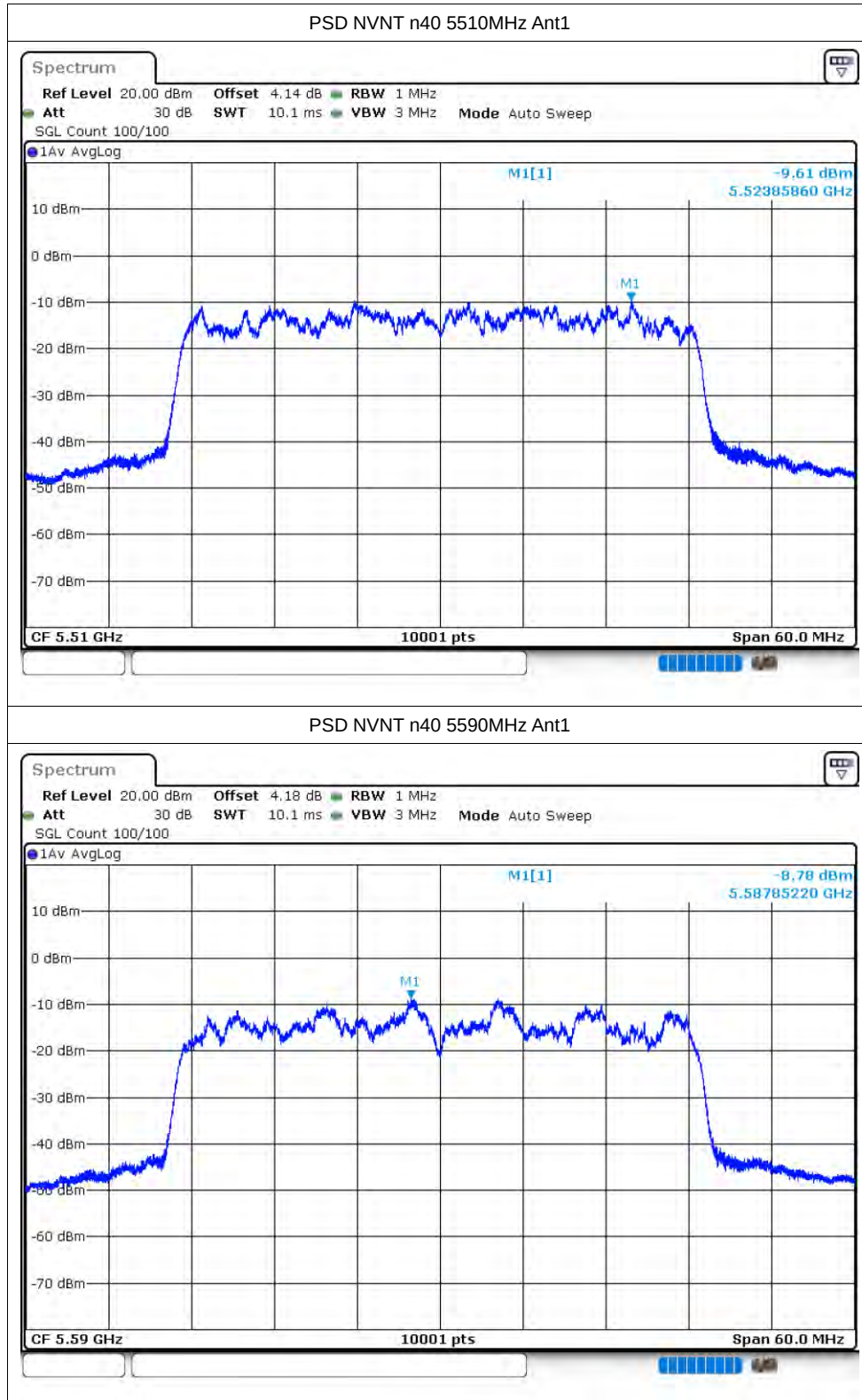


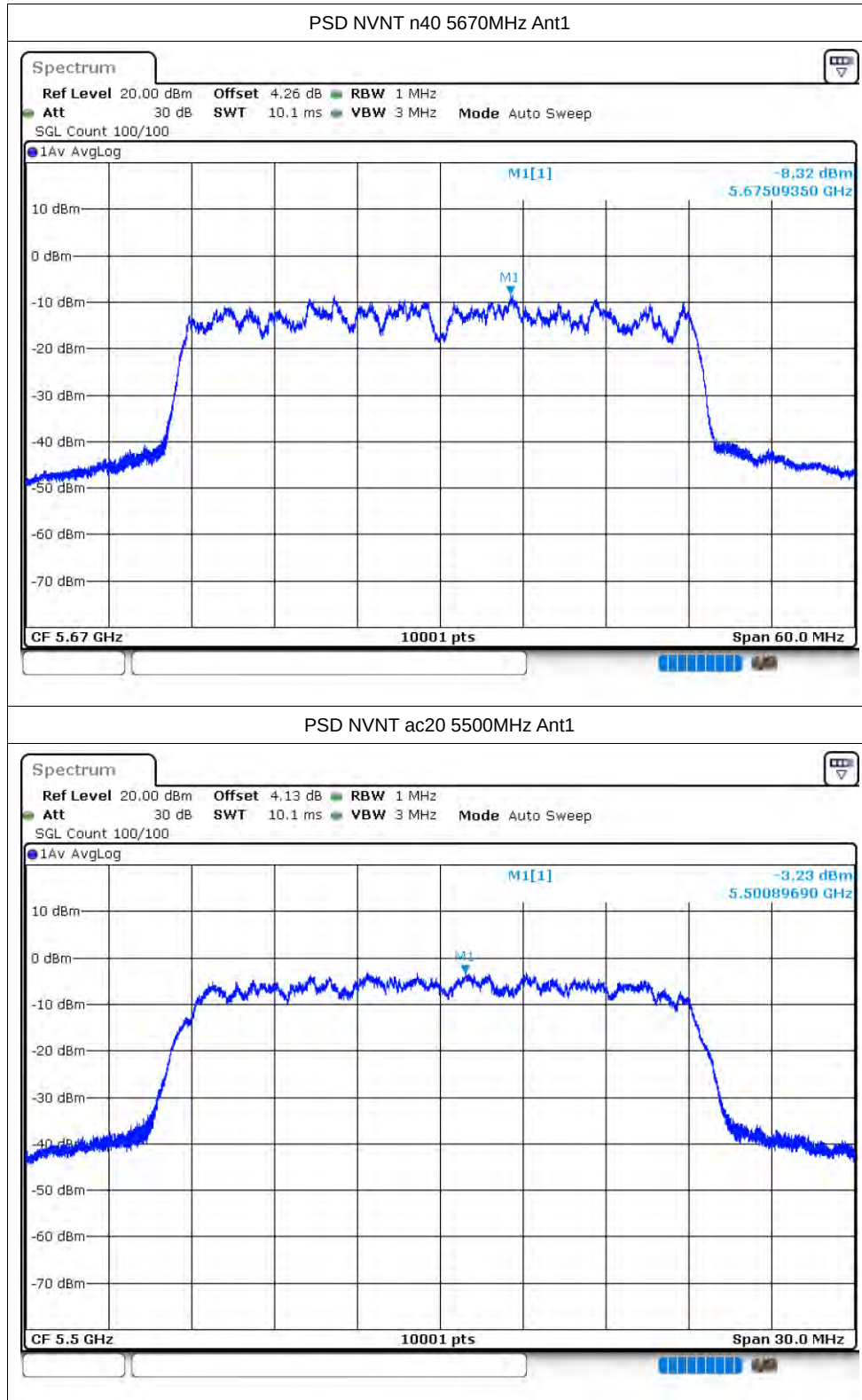
PSD NVNT a 5600MHz Ant1

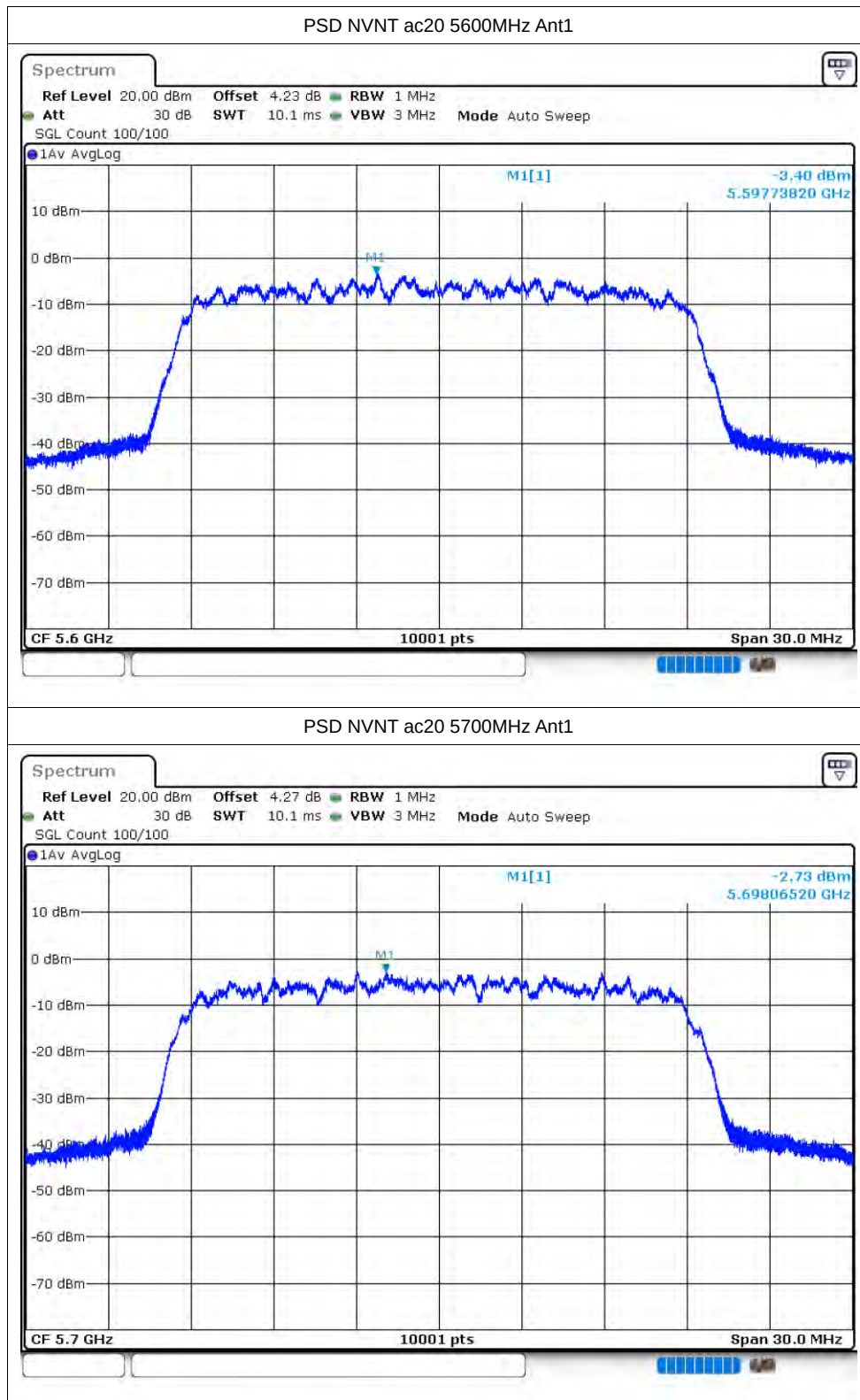


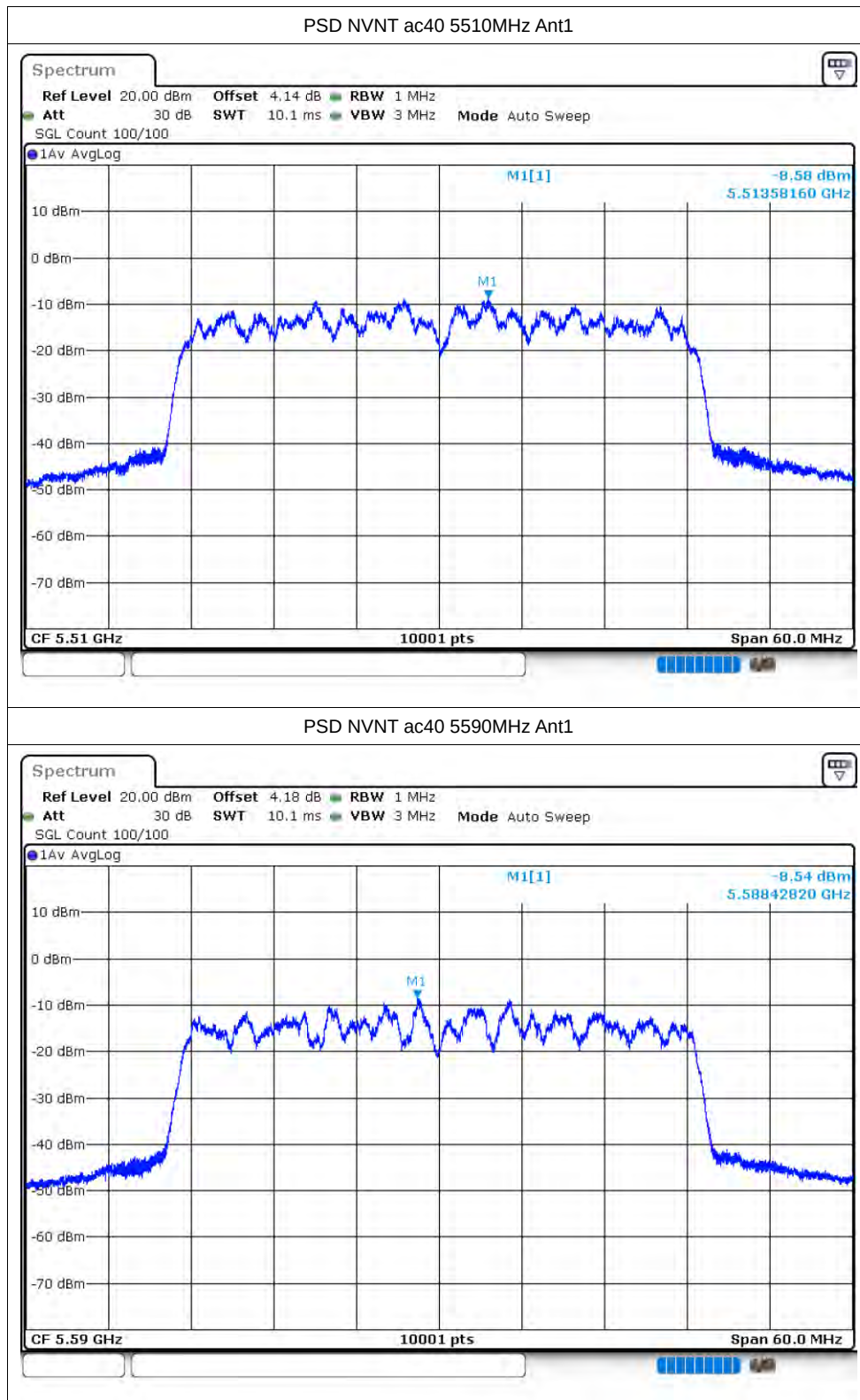


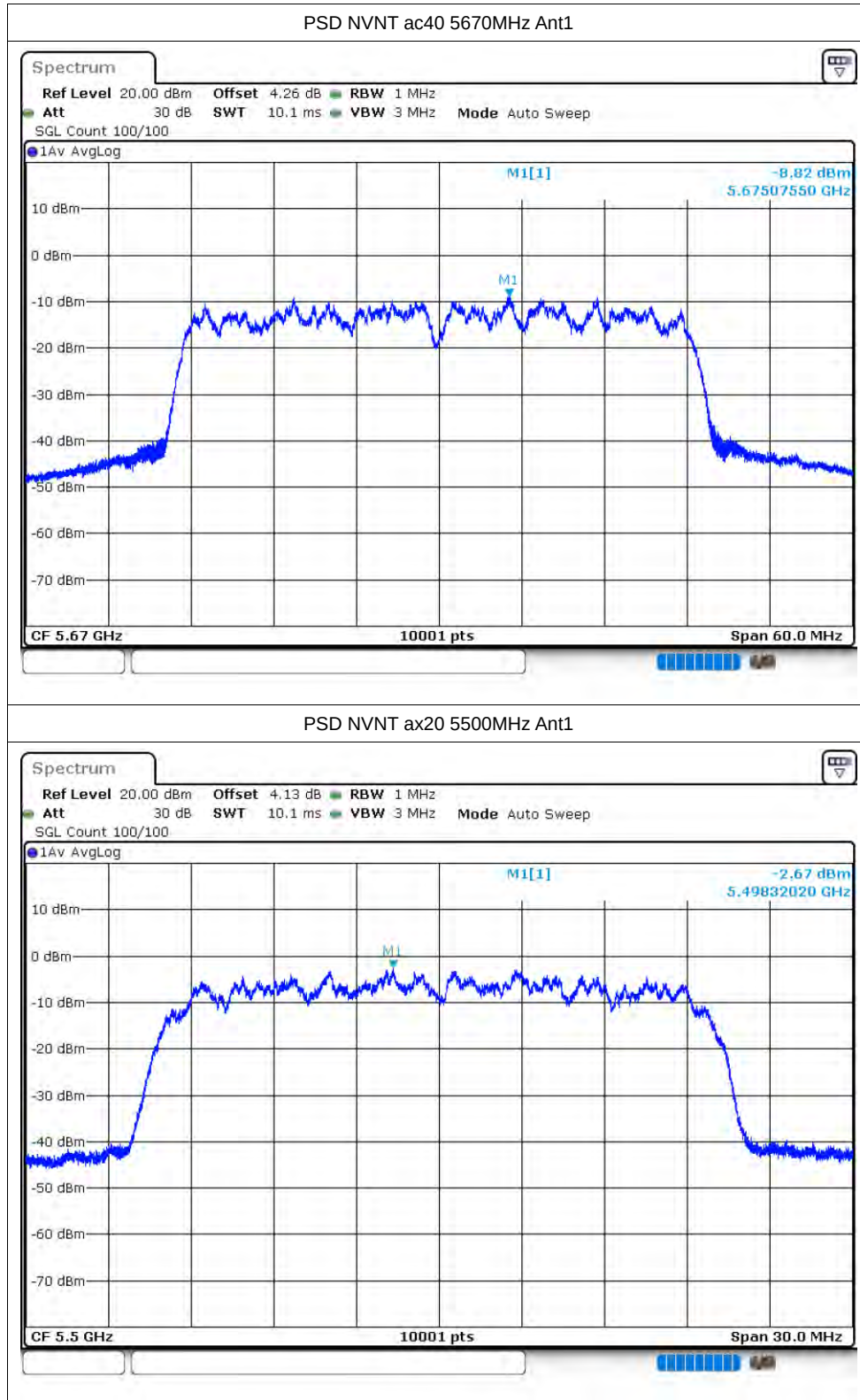


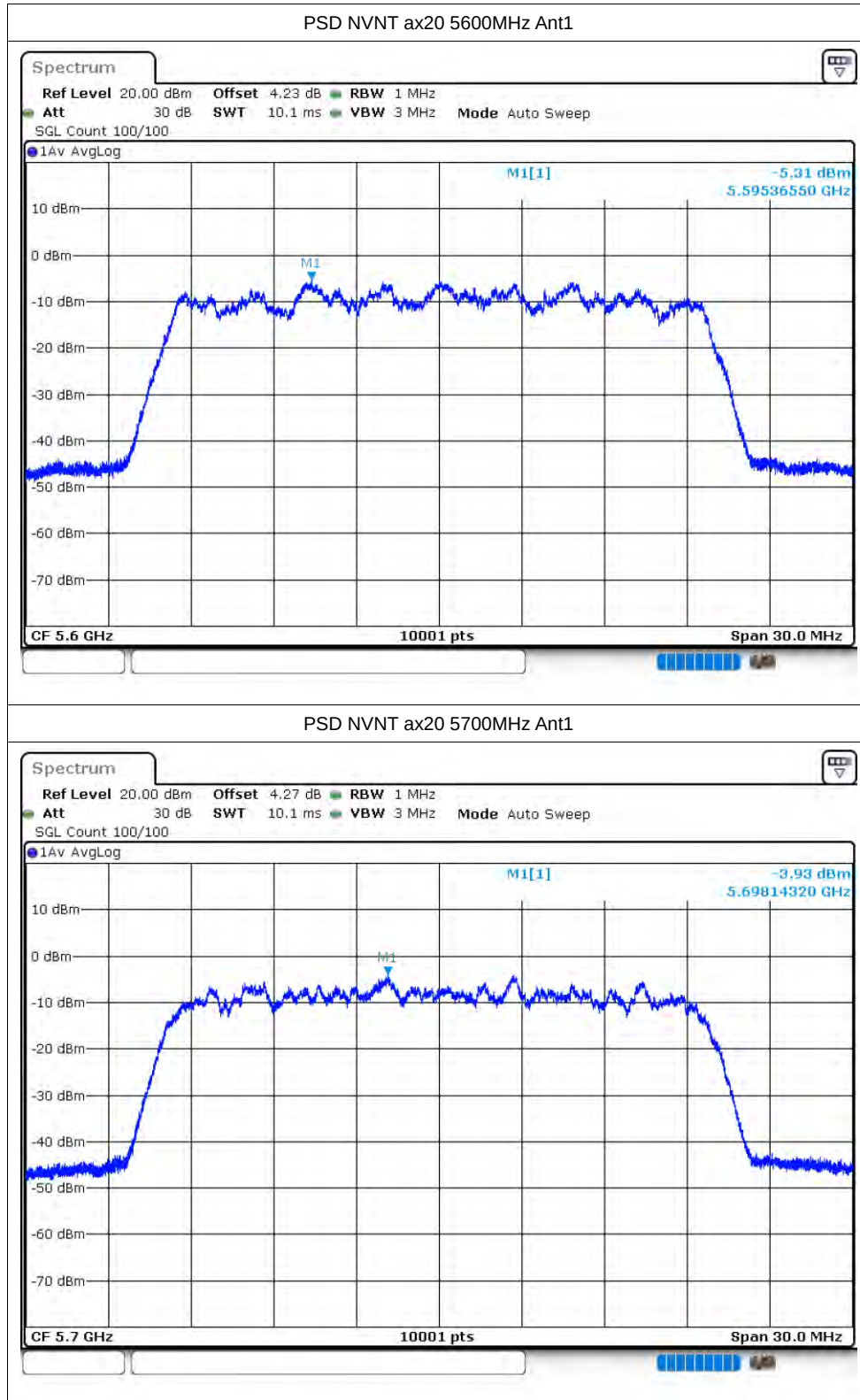


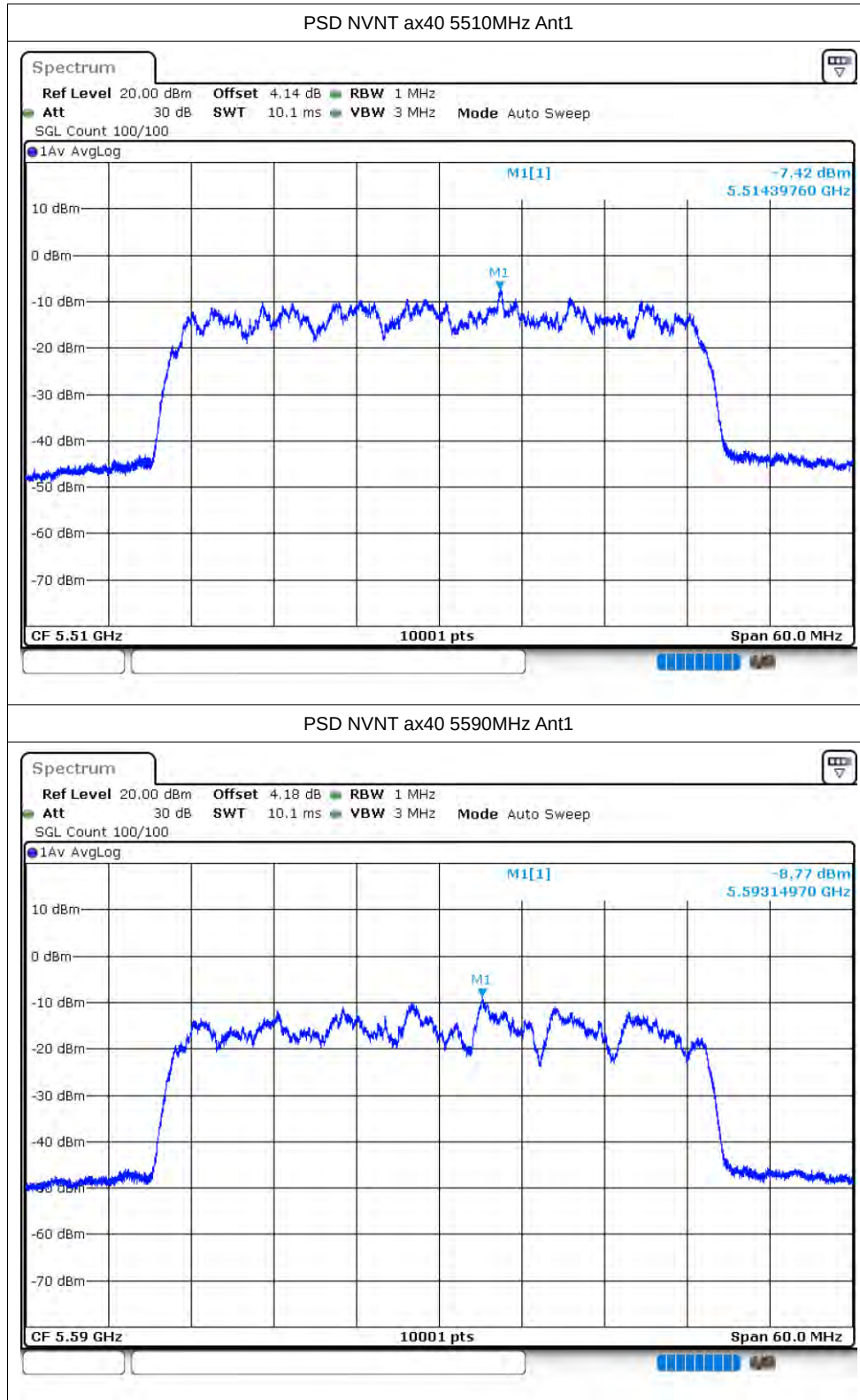


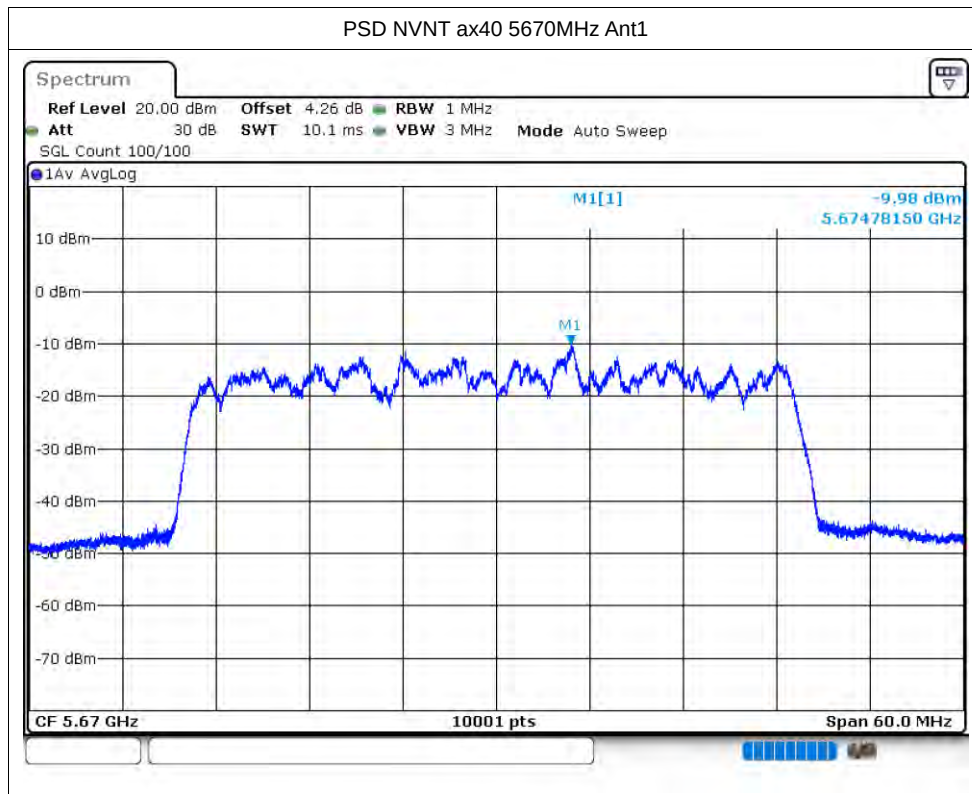










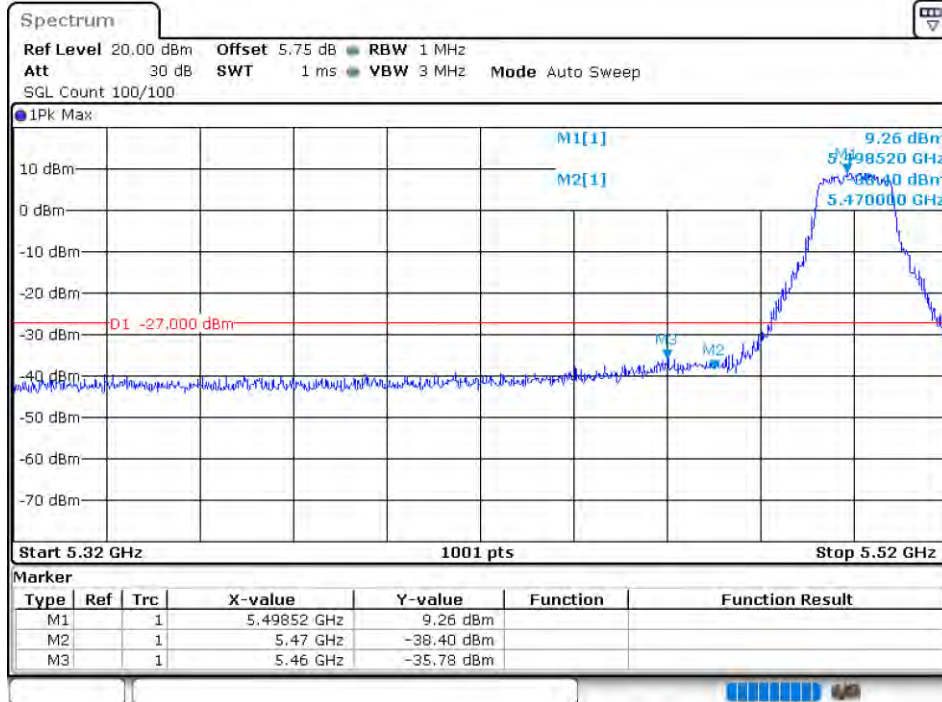


Band Edge

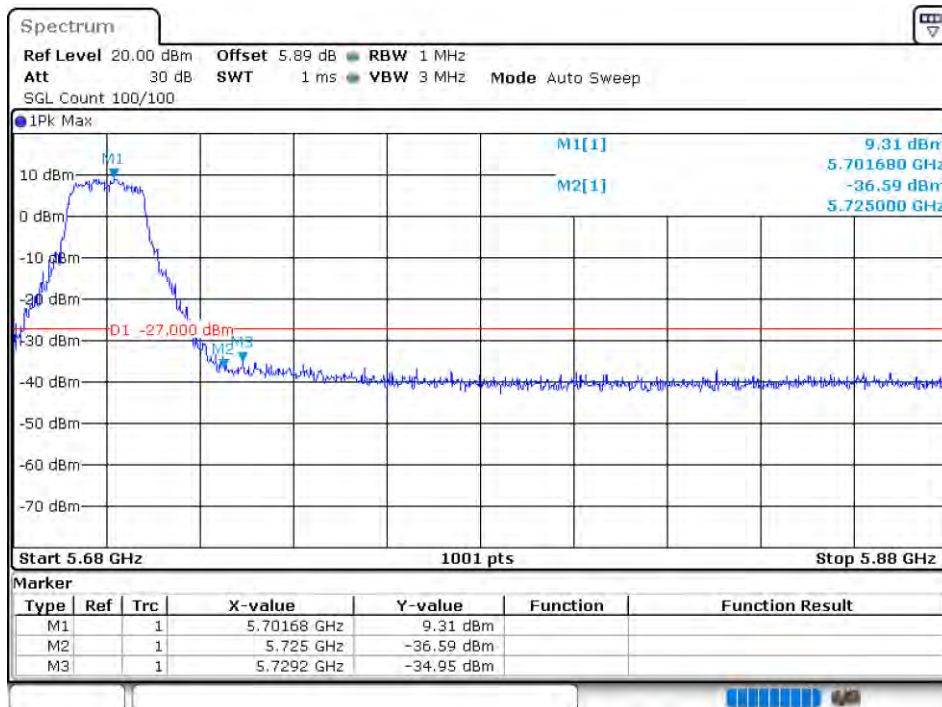
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	-35.78	-27	Pass
NVNT	a	5700	Ant1	-34.94	-27	Pass
NVNT	n20	5500	Ant1	-35.77	-27	Pass
NVNT	n20	5700	Ant1	-34.5	-27	Pass
NVNT	n40	5510	Ant1	-36.21	-27	Pass
NVNT	n40	5670	Ant1	-36.91	-27	Pass
NVNT	ac20	5500	Ant1	-35.75	-27	Pass
NVNT	ac20	5700	Ant1	-35.43	-27	Pass
NVNT	ac40	5510	Ant1	-36.61	-27	Pass
NVNT	ac40	5670	Ant1	-37.34	-27	Pass
NVNT	ax20	5500	Ant1	-30.96	-27	Pass
NVNT	ax20	5700	Ant1	-34.42	-27	Pass
NVNT	ax40	5510	Ant1	-28.34	-27	Pass
NVNT	ax40	5670	Ant1	-37.15	-27	Pass

Test Graphs

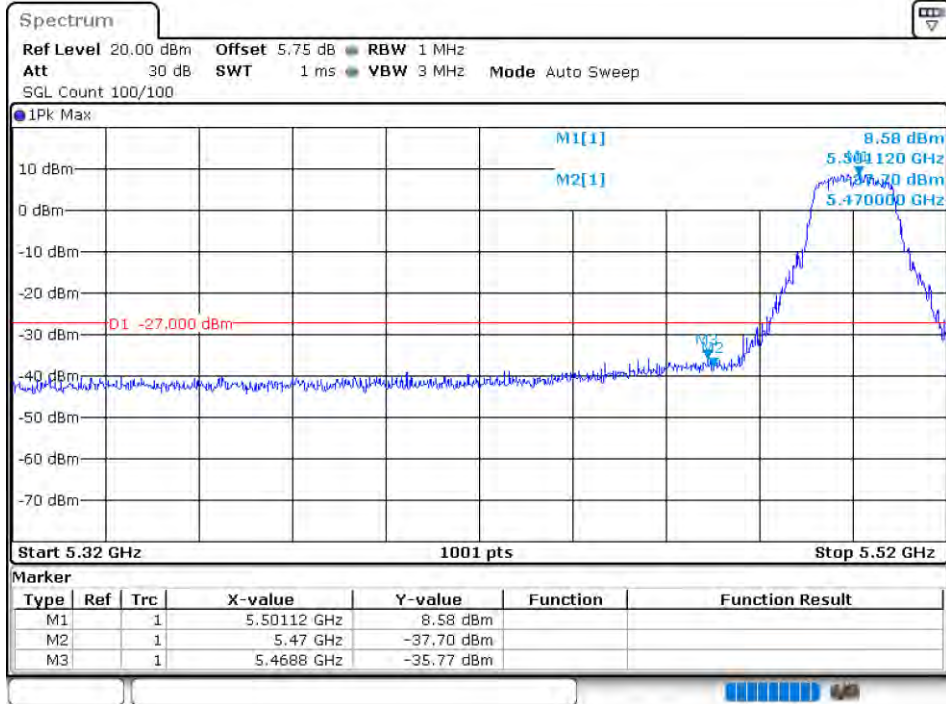
Band Edge NVNT a 5500MHz Low Ant1



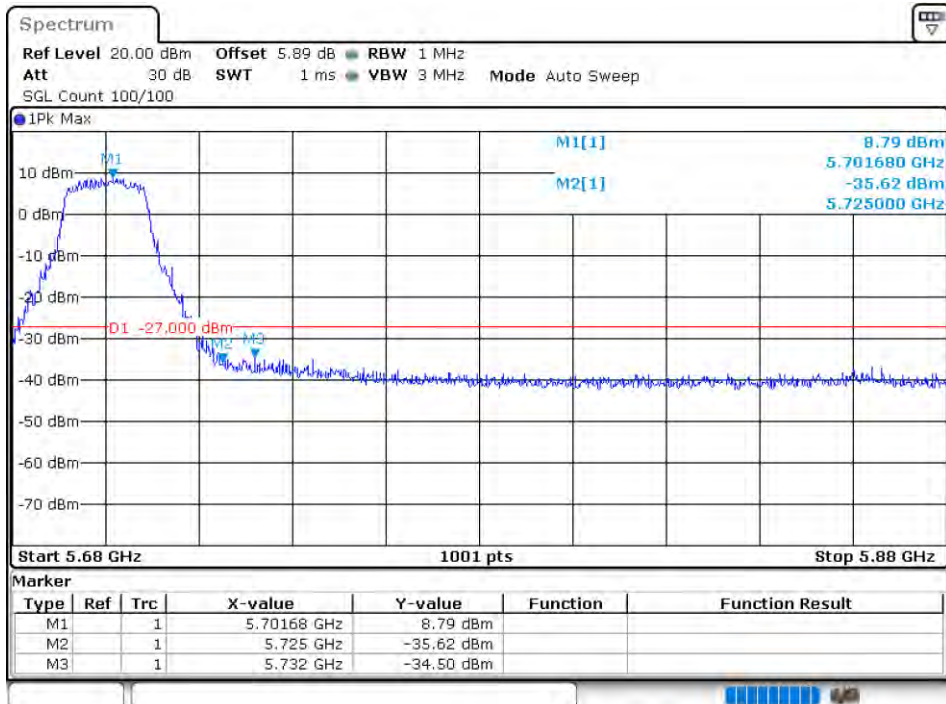
Band Edge NVNT a 5700MHz High Ant1



Band Edge NVNT n20 5500MHz Low Ant1



Band Edge NVNT n20 5700MHz High Ant1

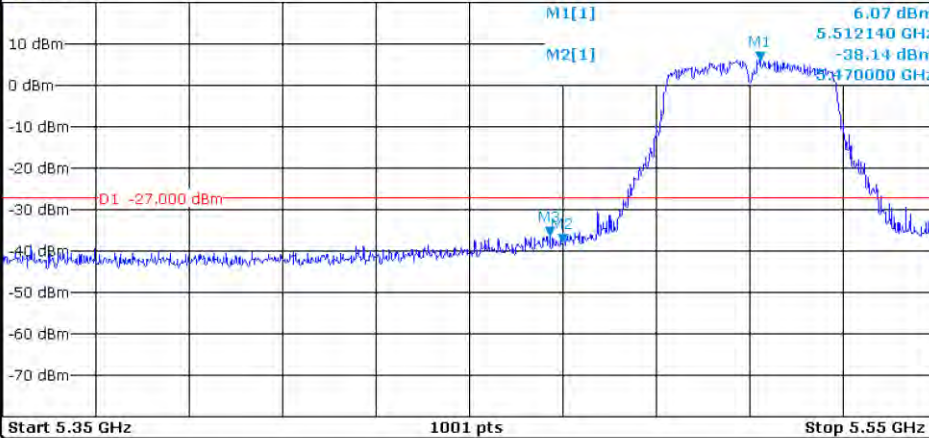


Band Edge NVNT n40 5510MHz Low Ant1

Spectrum

Ref Level 20.00 dBm Offset 5.76 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

IPk Max



Marker

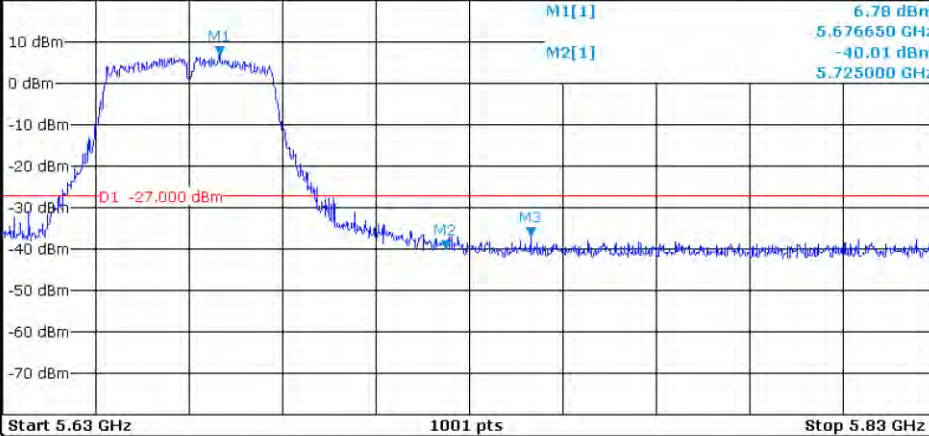
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.51214 GHz	6.07 dBm		
M2	1		5.47 GHz	-38.14 dBm		
M3	1		5.4672 GHz	-36.21 dBm		

Band Edge NVNT n40 5670MHz High Ant1

Spectrum

Ref Level 20.00 dBm Offset 5.88 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

IPk Max



Marker

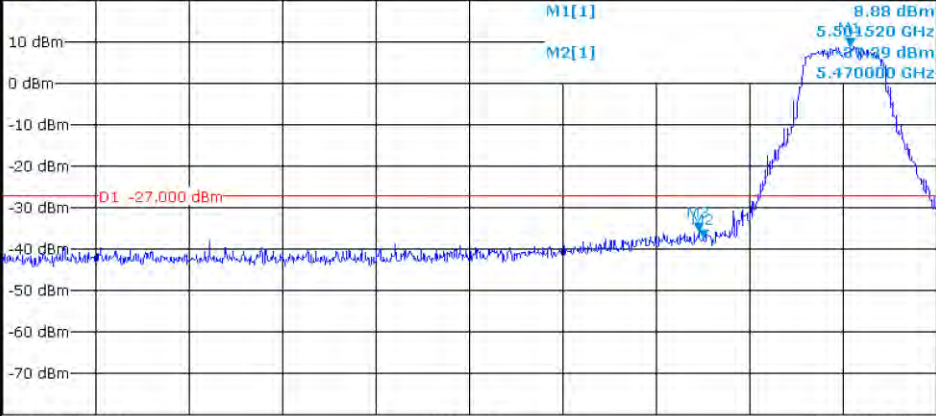
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.67665 GHz	6.78 dBm		
M2	1		5.725 GHz	-40.01 dBm		
M3	1		5.7432 GHz	-36.91 dBm		

Band Edge NVNT ac20 5500MHz Low Ant1

Spectrum

Ref Level 20.00 dBm Offset 5.75 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

IPk Max



Marker

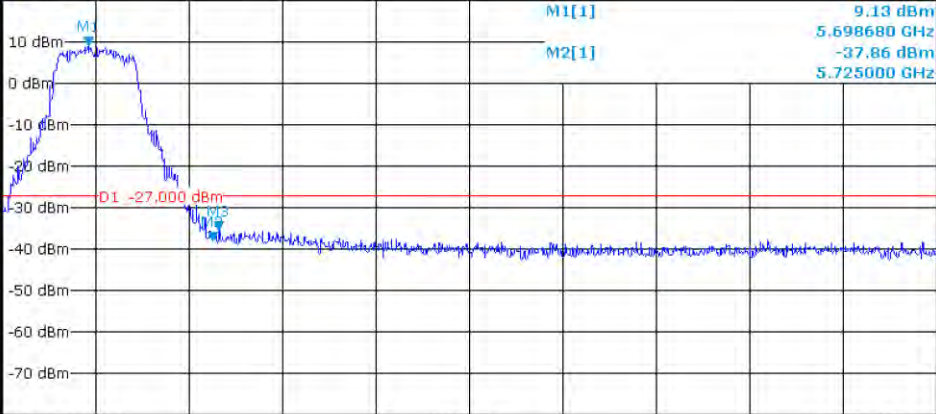
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.50152 GHz	8.88 dBm		
M2	1		5.47 GHz	-37.39 dBm		
M3	1		5.469 GHz	-35.76 dBm		

Band Edge NVNT ac20 5700MHz High Ant1

Spectrum

Ref Level 20.00 dBm Offset 5.89 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

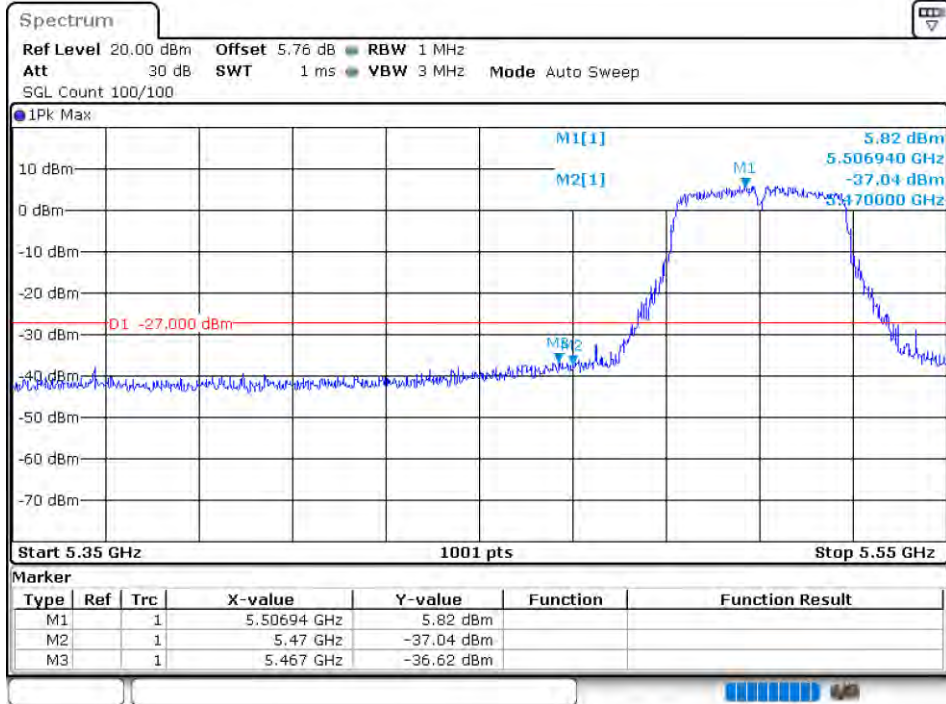
IPk Max



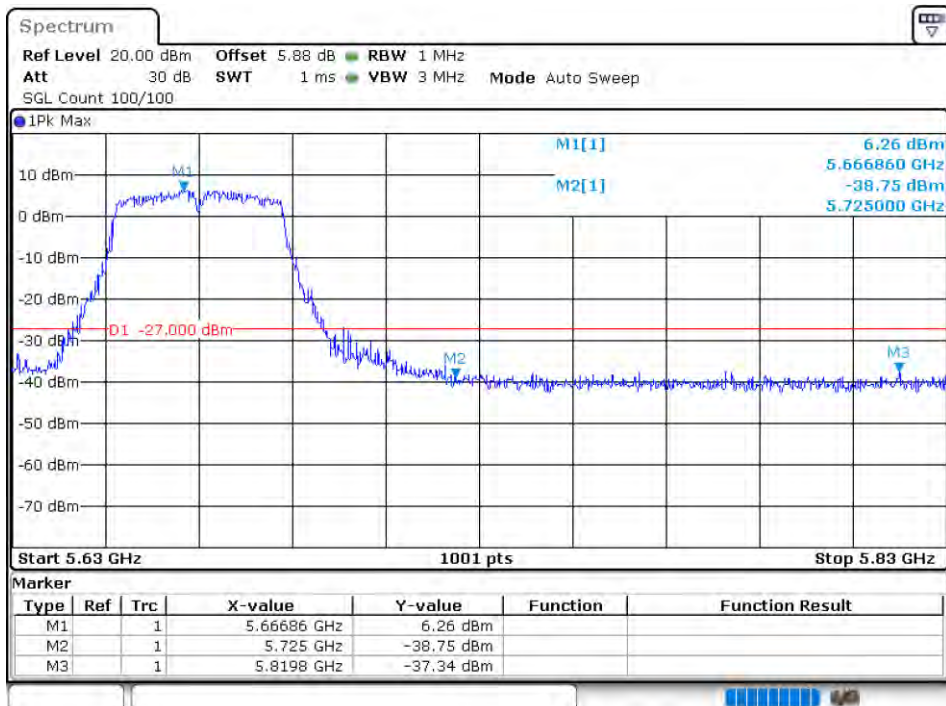
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.69868 GHz	9.13 dBm		
M2	1		5.725 GHz	-37.86 dBm		
M3	1		5.7264 GHz	-35.43 dBm		

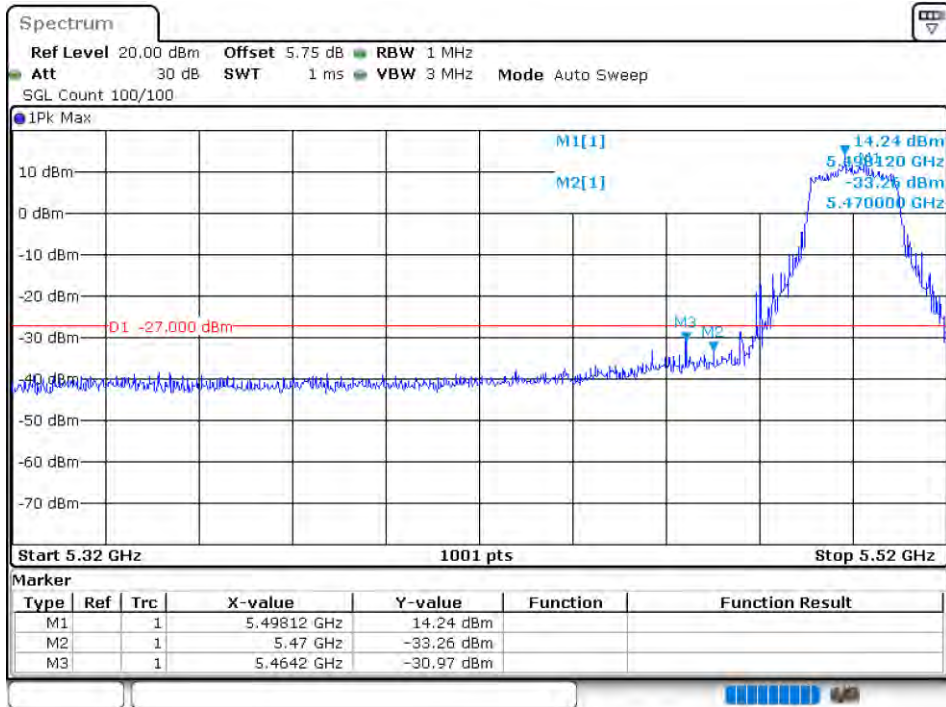
Band Edge NVNT ac40 5510MHz Low Ant1



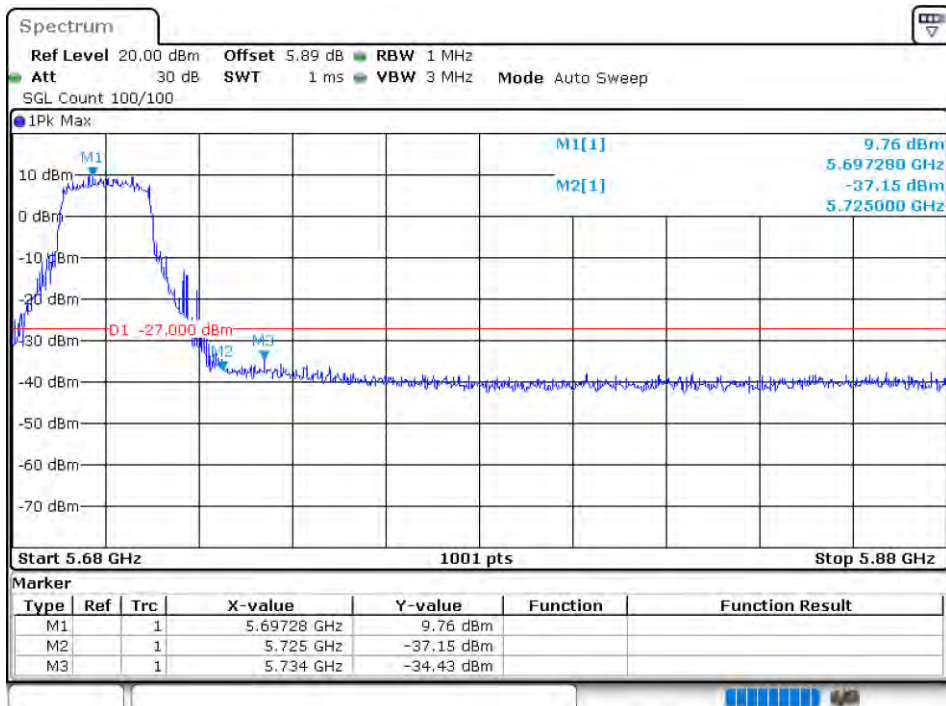
Band Edge NVNT ac40 5670MHz High Ant1



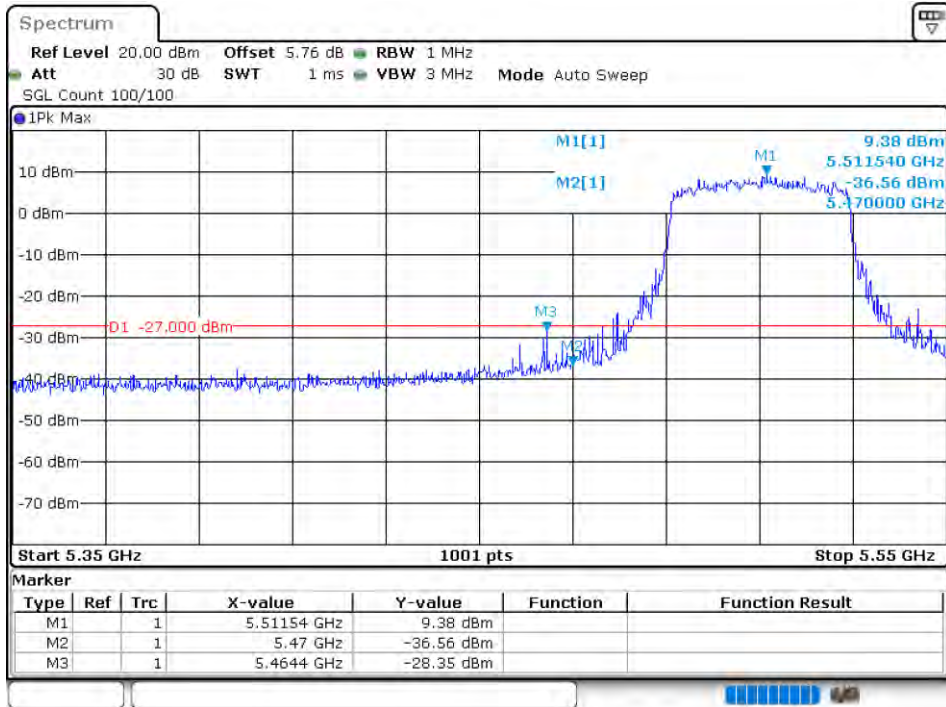
Band Edge NVNT ax20 5500MHz Low Ant1



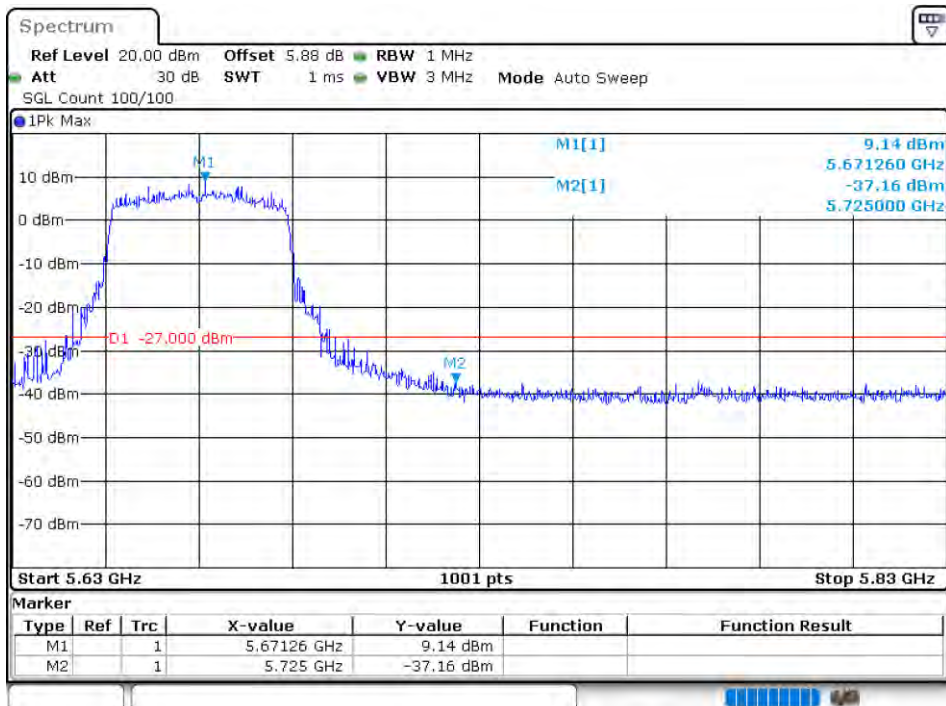
Band Edge NVNT ax20 5700MHz High Ant1



Band Edge NVNT ax40 5510MHz Low Ant1



Band Edge NVNT ax40 5670MHz High Ant1

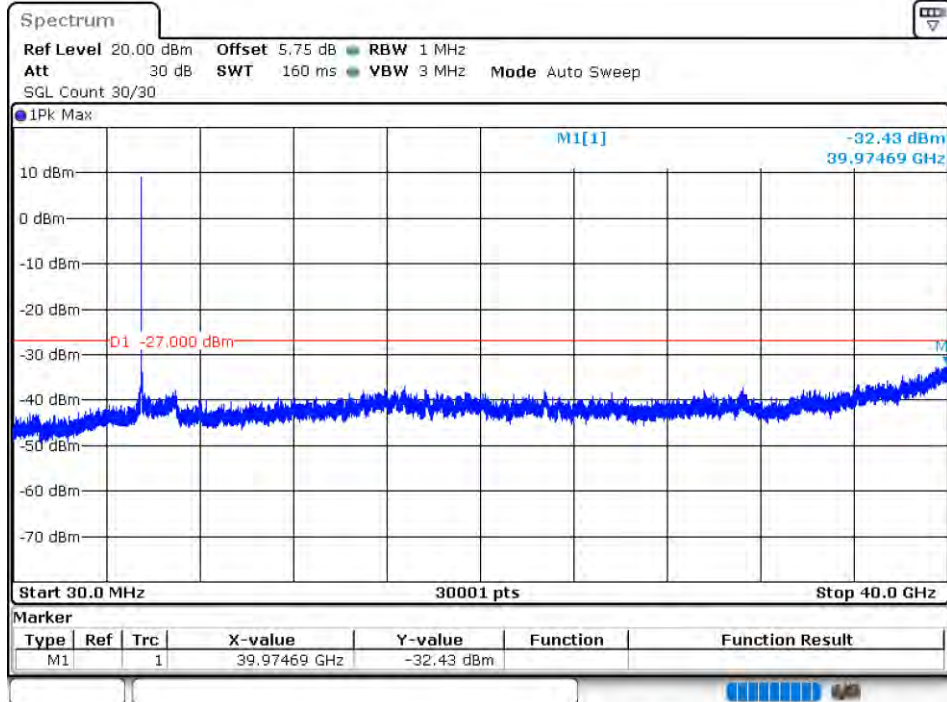


Conducted RF Spurious Emission

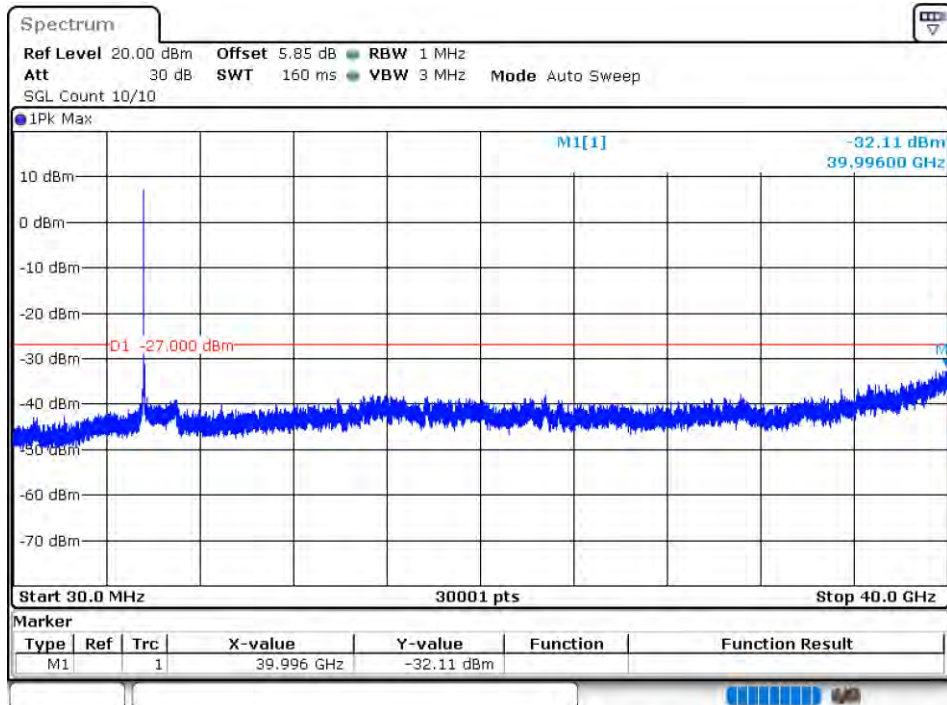
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	-32.43	-27	Pass
NVNT	a	5600	Ant1	-32.1	-27	Pass
NVNT	a	5700	Ant1	-32.98	-27	Pass
NVNT	n20	5500	Ant1	-32.58	-27	Pass
NVNT	n20	5600	Ant1	-31.92	-27	Pass
NVNT	n20	5700	Ant1	-31.63	-27	Pass
NVNT	n40	5510	Ant1	-31.69	-27	Pass
NVNT	n40	5590	Ant1	-32.1	-27	Pass
NVNT	n40	5670	Ant1	-31.68	-27	Pass
NVNT	ac20	5500	Ant1	-31.4	-27	Pass
NVNT	ac20	5600	Ant1	-31.98	-27	Pass
NVNT	ac20	5700	Ant1	-31.21	-27	Pass
NVNT	ac40	5510	Ant1	-31.44	-27	Pass
NVNT	ac40	5590	Ant1	-32.4	-27	Pass
NVNT	ac40	5670	Ant1	-31.43	-27	Pass
NVNT	ax20	5500	Ant1	-32.18	-27	Pass
NVNT	ax20	5600	Ant1	-32.92	-27	Pass
NVNT	ax20	5700	Ant1	-32.24	-27	Pass
NVNT	ax40	5510	Ant1	-32.71	-27	Pass
NVNT	ax40	5590	Ant1	-31.77	-27	Pass
NVNT	ax40	5670	Ant1	-32.81	-27	Pass

Test Graphs

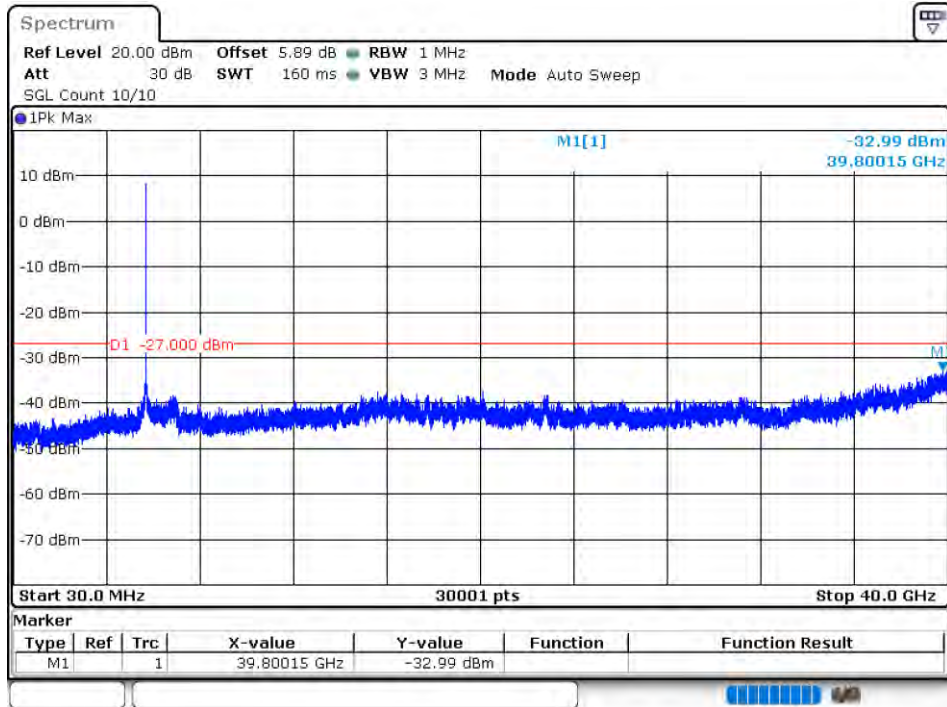
Tx. Spurious NVNT a 5500MHz Ant1 Emission



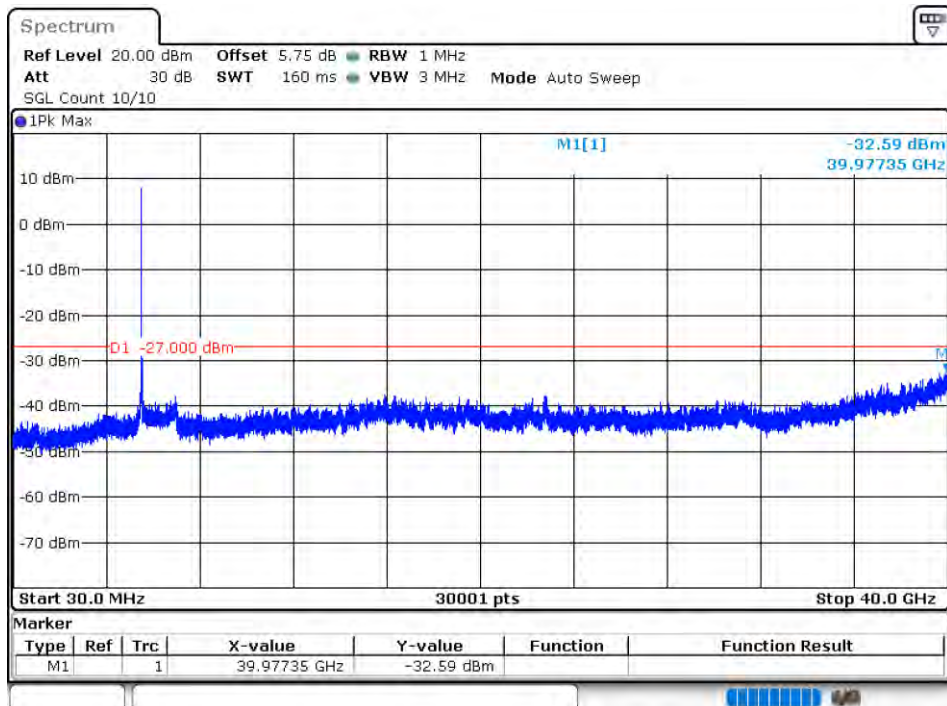
Tx. Spurious NVNT a 5600MHz Ant1 Emission



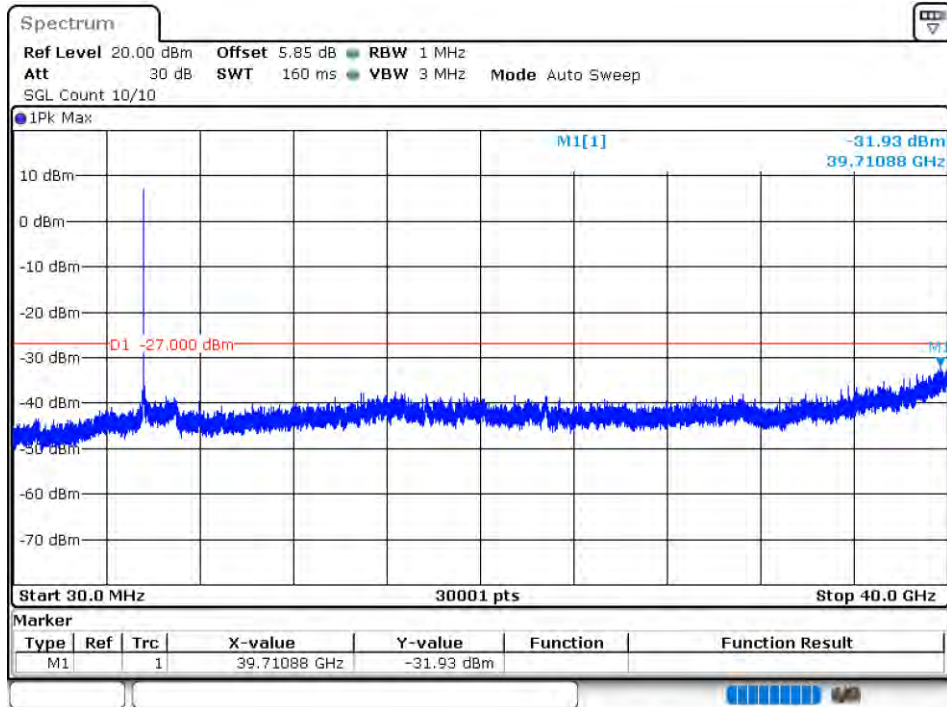
Tx. Spurious NVNT a 5700MHz Ant1 Emission



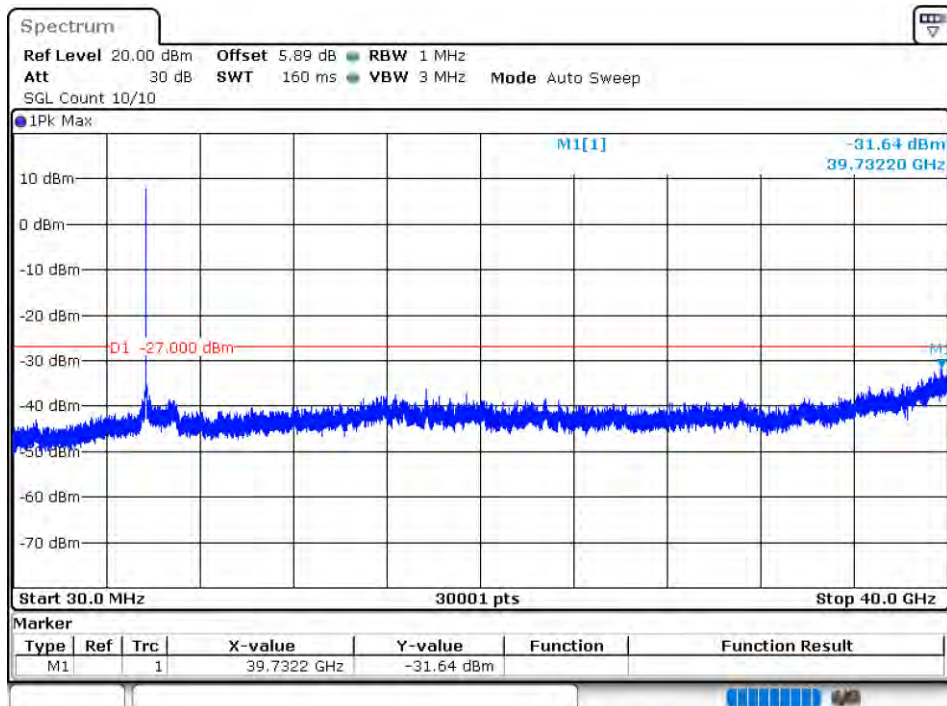
Tx. Spurious NVNT n20 5500MHz Ant1 Emission



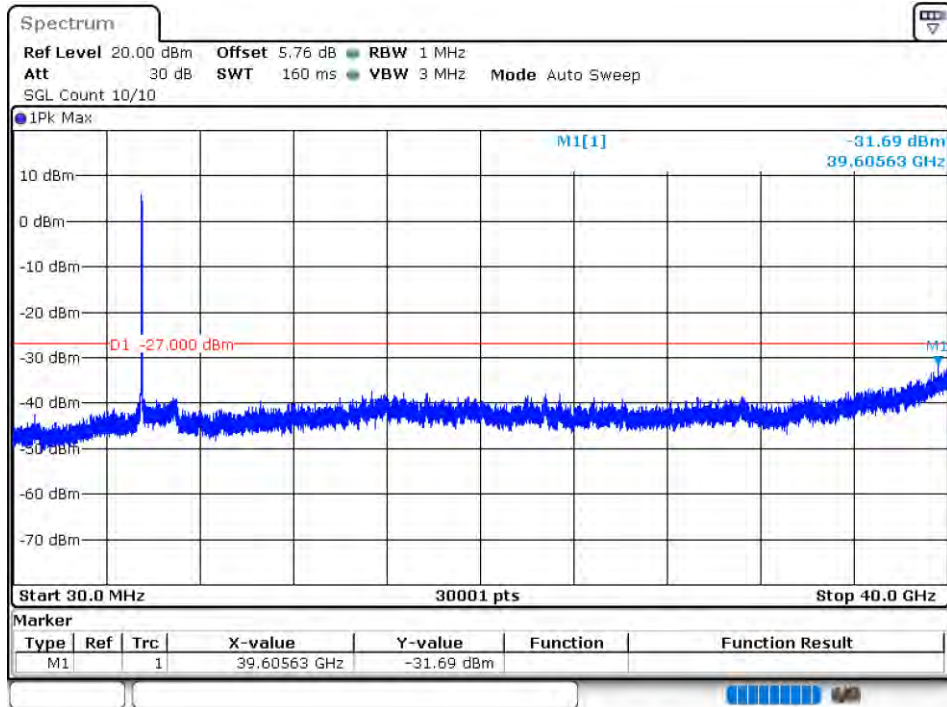
Tx. Spurious NVNT n20 5600MHz Ant1 Emission



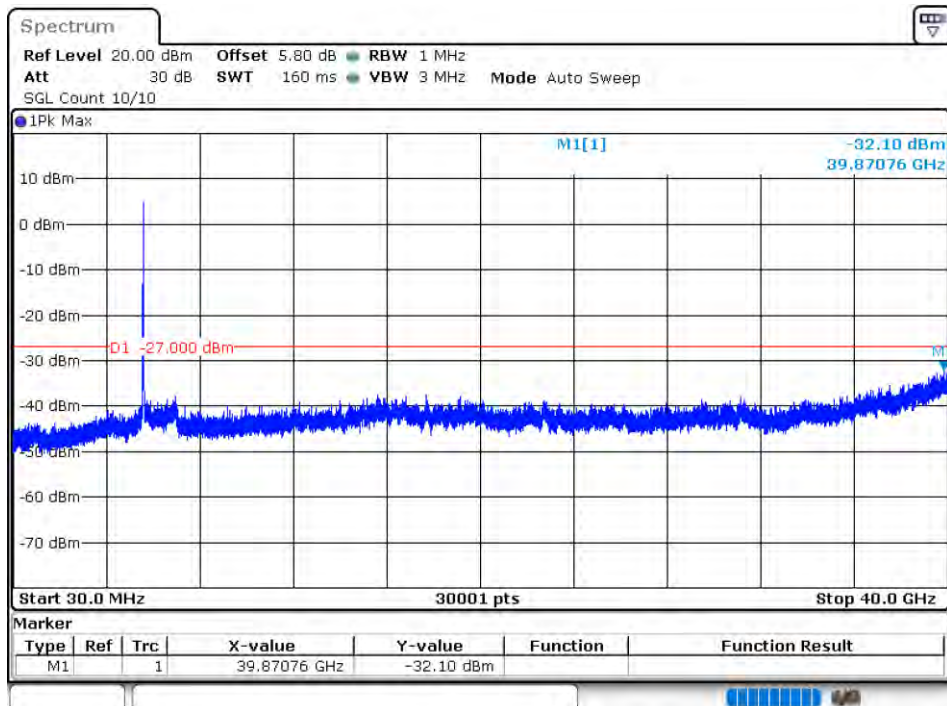
Tx. Spurious NVNT n20 5700MHz Ant1 Emission



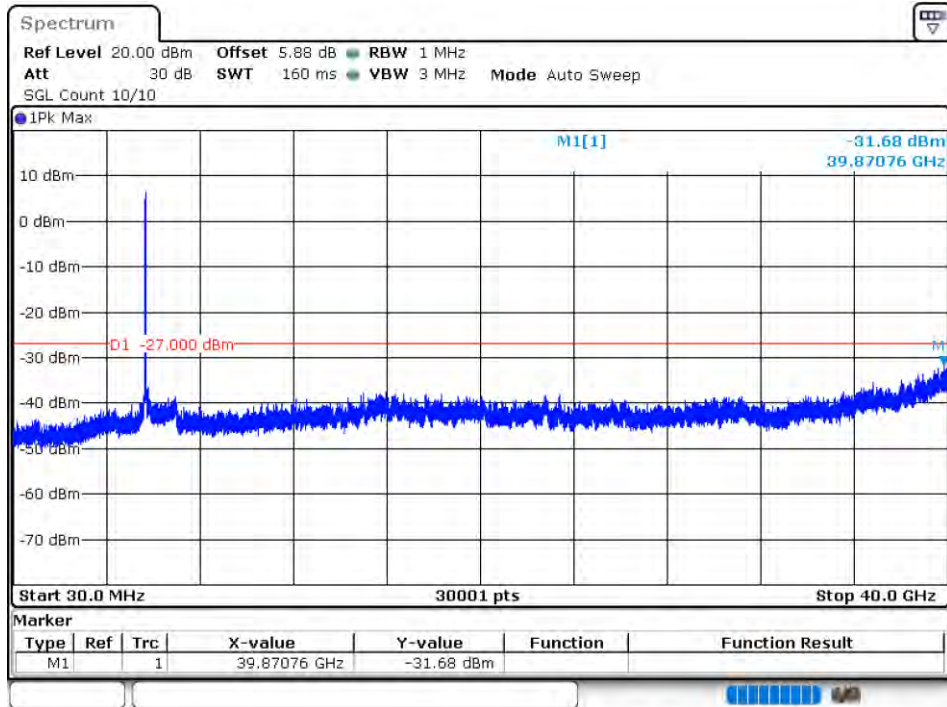
Tx. Spurious NVNT n40 5510MHz Ant1 Emission



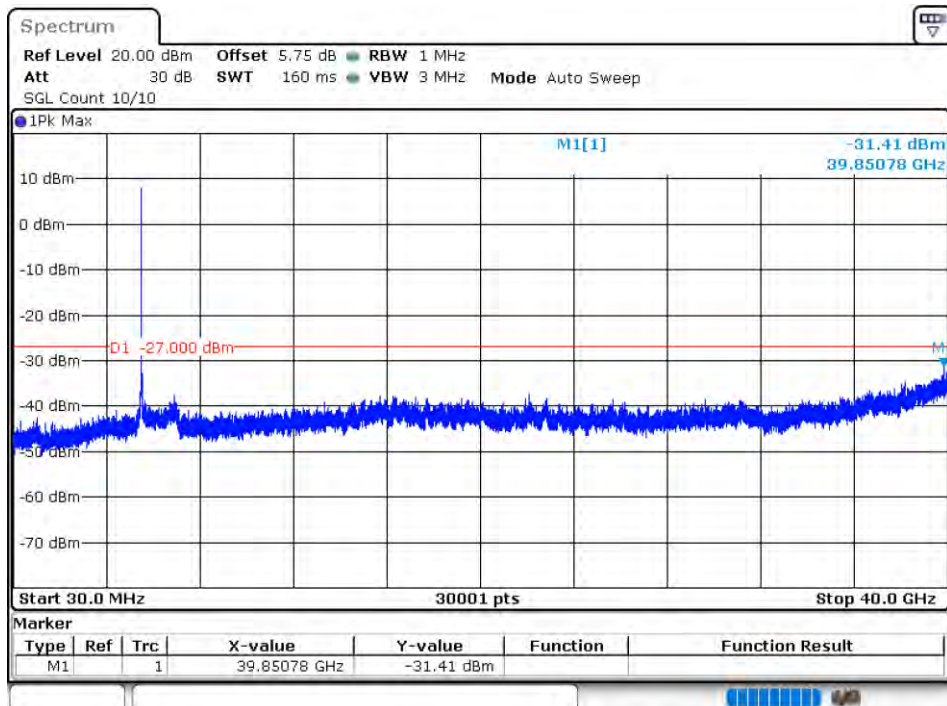
Tx. Spurious NVNT n40 5590MHz Ant1 Emission



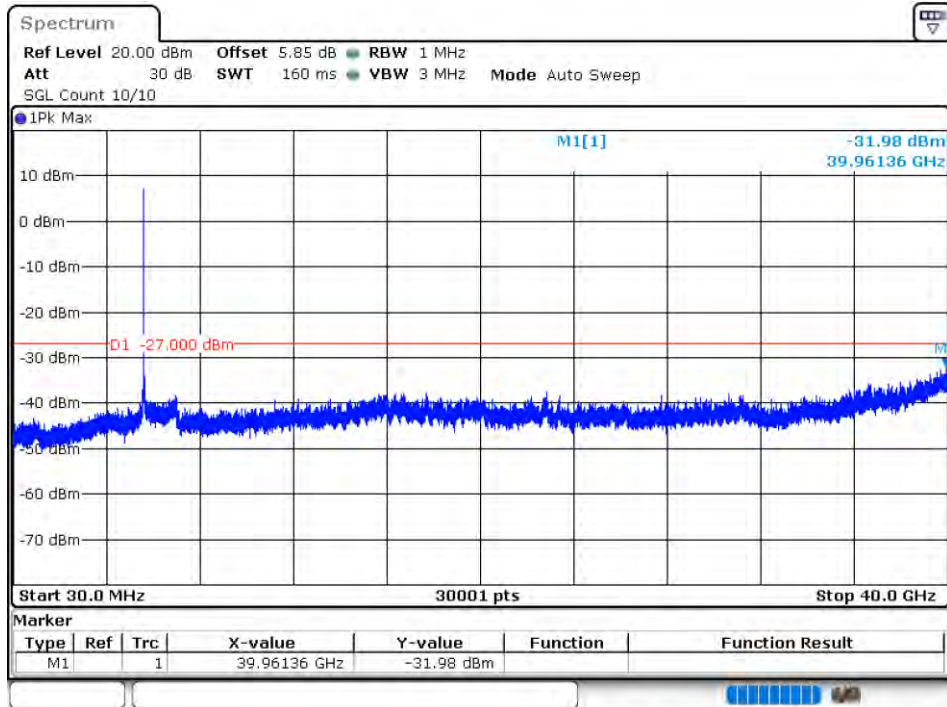
Tx. Spurious NVNT n40 5670MHz Ant1 Emission



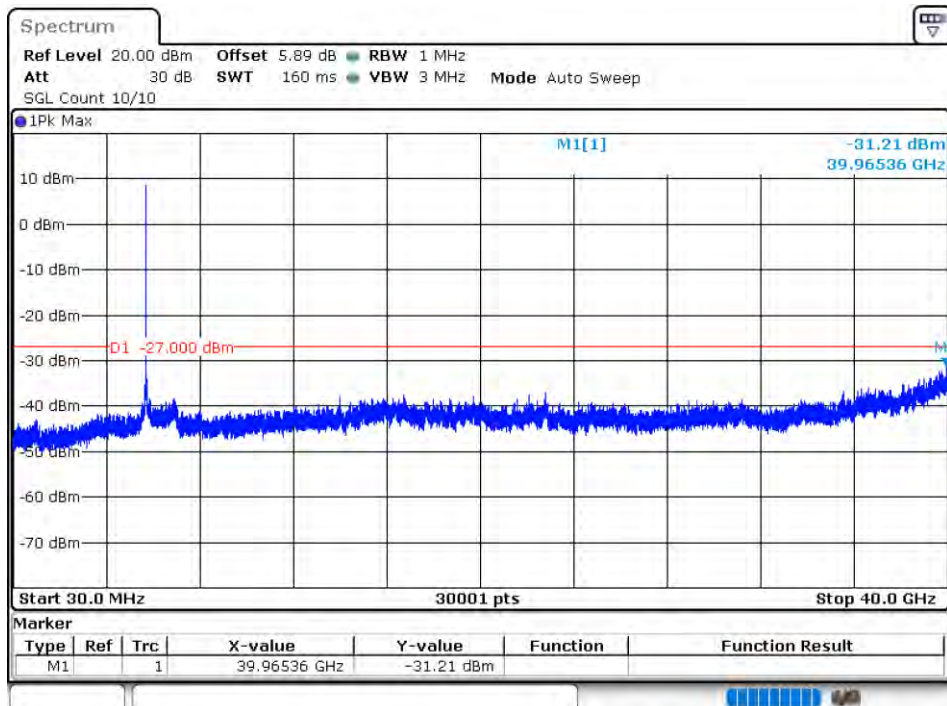
Tx. Spurious NVNT ac20 5500MHz Ant1 Emission



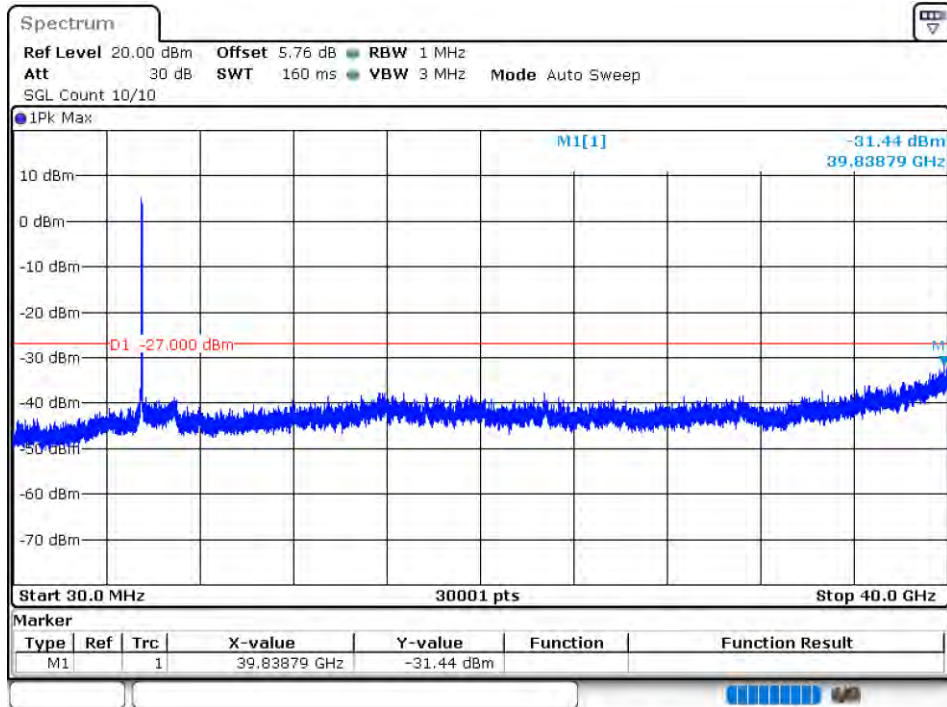
Tx. Spurious NVNT ac20 5600MHz Ant1 Emission



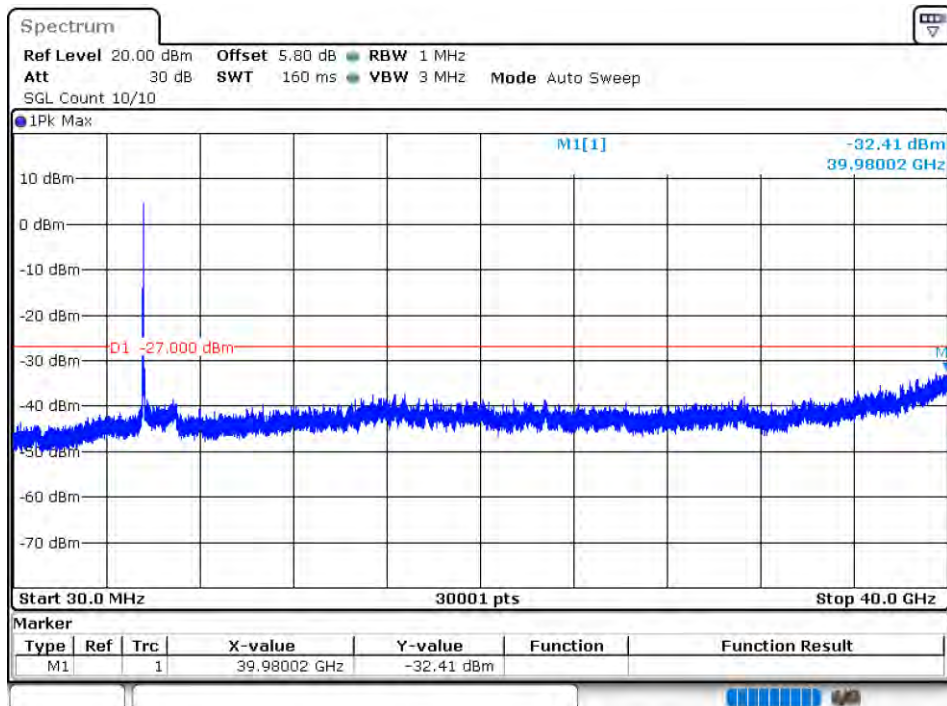
Tx. Spurious NVNT ac20 5700MHz Ant1 Emission



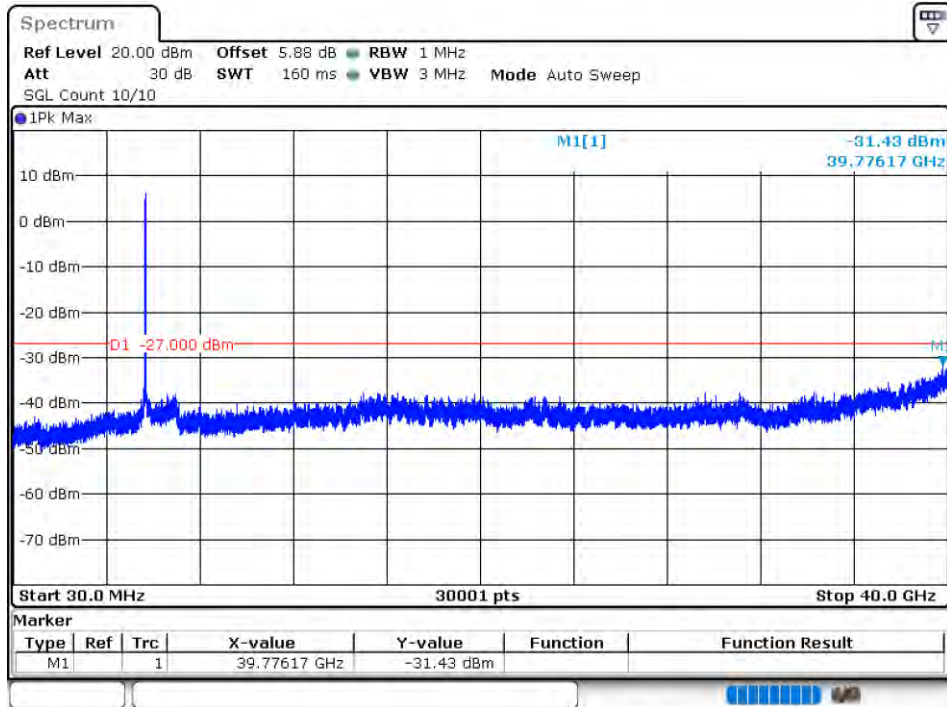
Tx. Spurious NVNT ac40 5510MHz Ant1 Emission



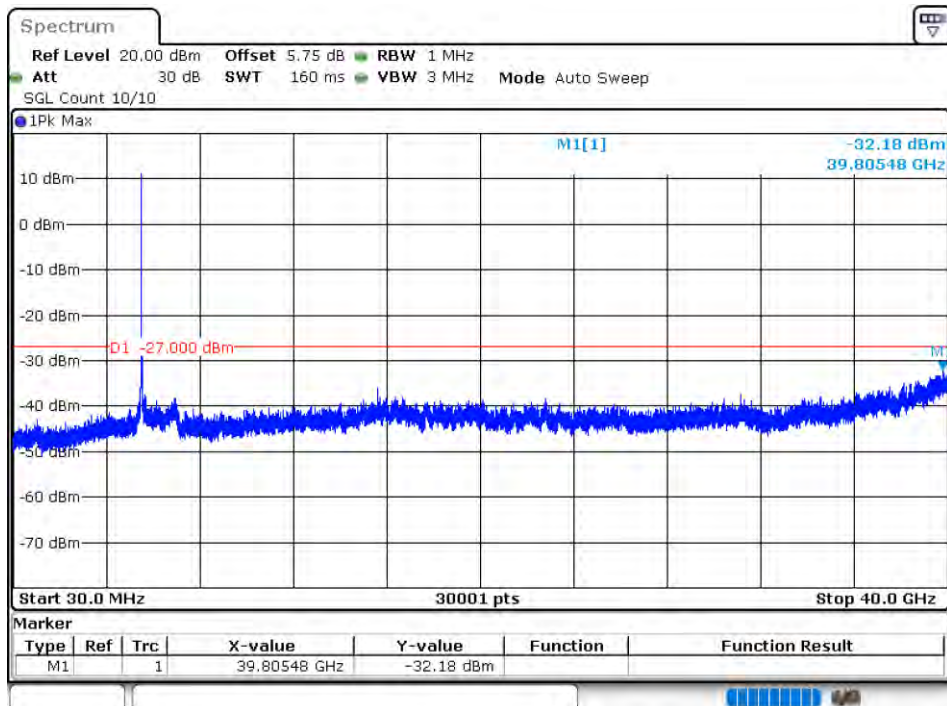
Tx. Spurious NVNT ac40 5590MHz Ant1 Emission



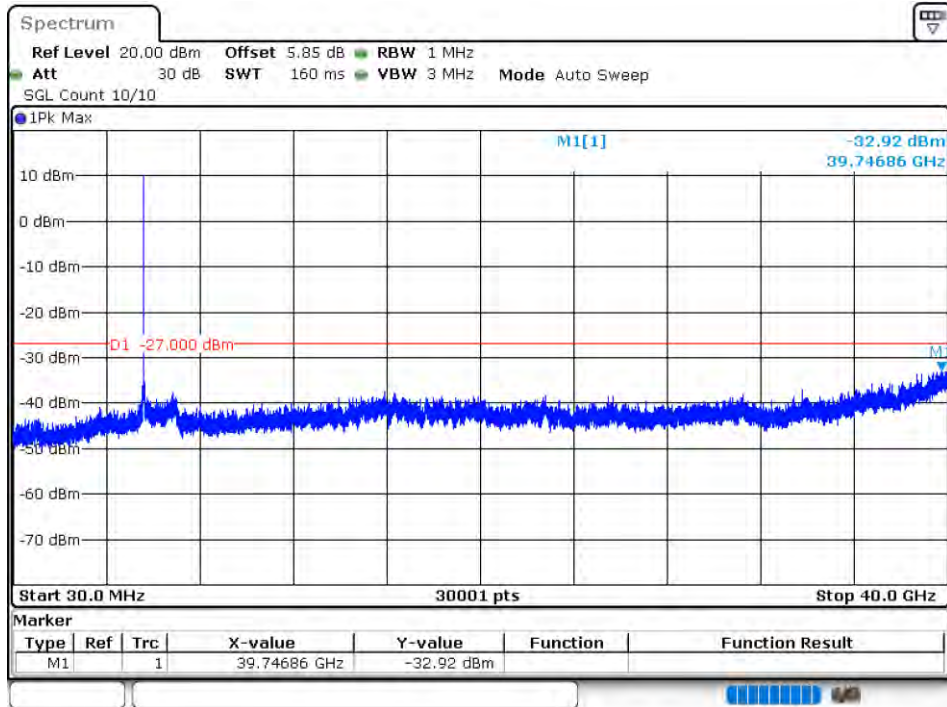
Tx. Spurious NVNT ac40 5670MHz Ant1 Emission



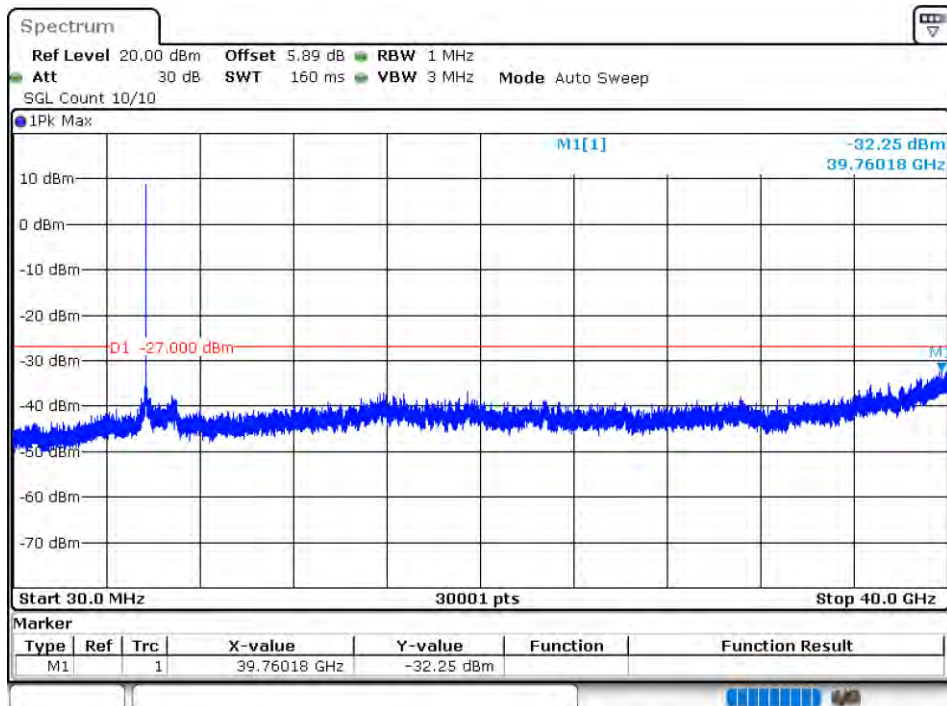
Tx. Spurious NVNT ax20 5500MHz Ant1 Emission



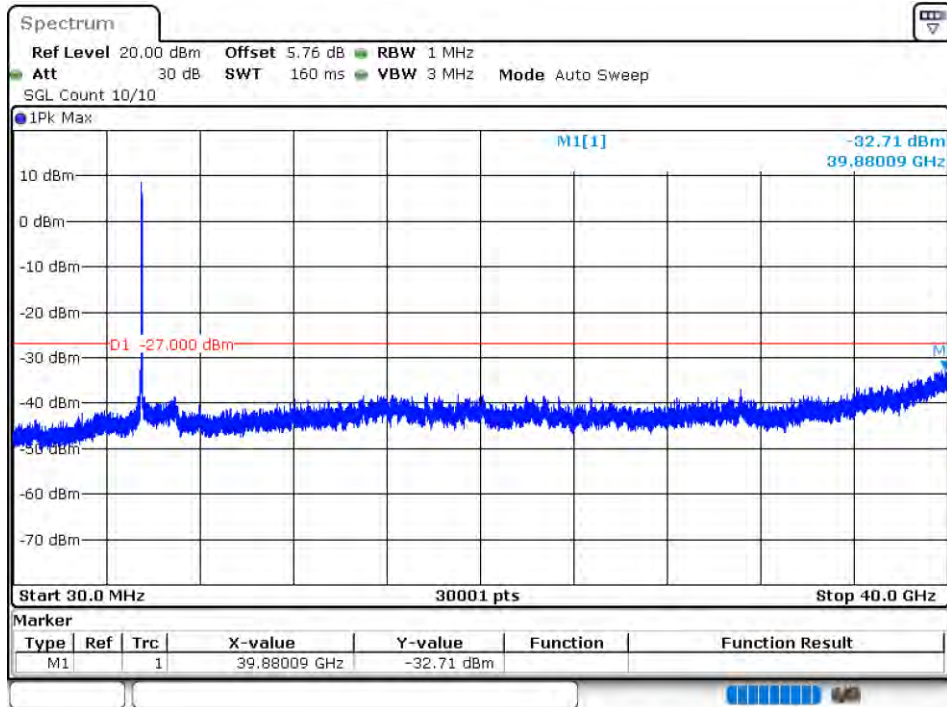
Tx. Spurious NVNT ax20 5600MHz Ant1 Emission



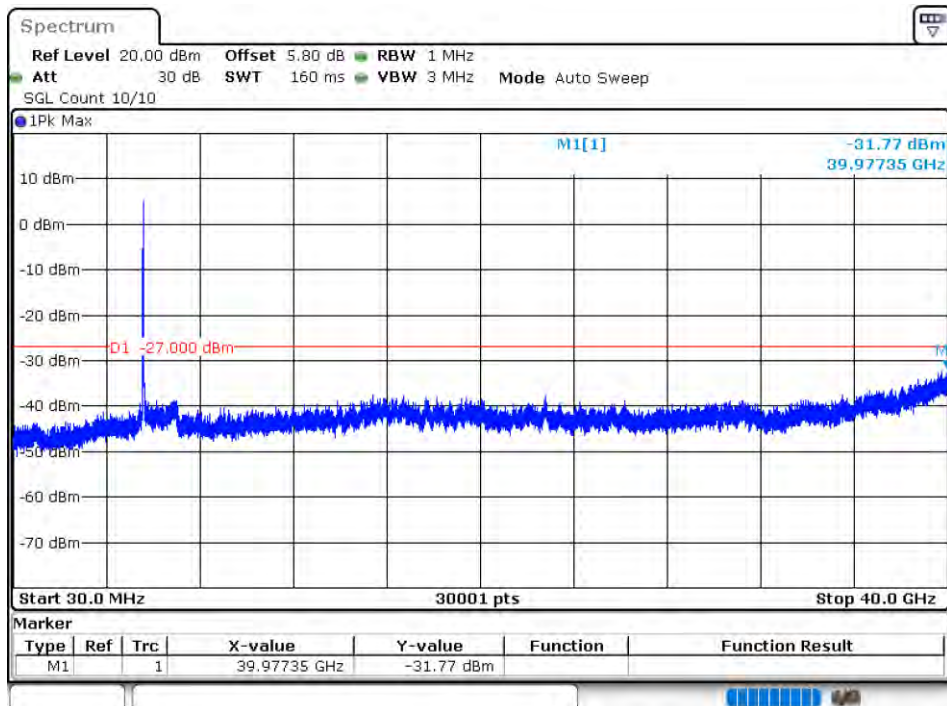
Tx. Spurious NVNT ax20 5700MHz Ant1 Emission

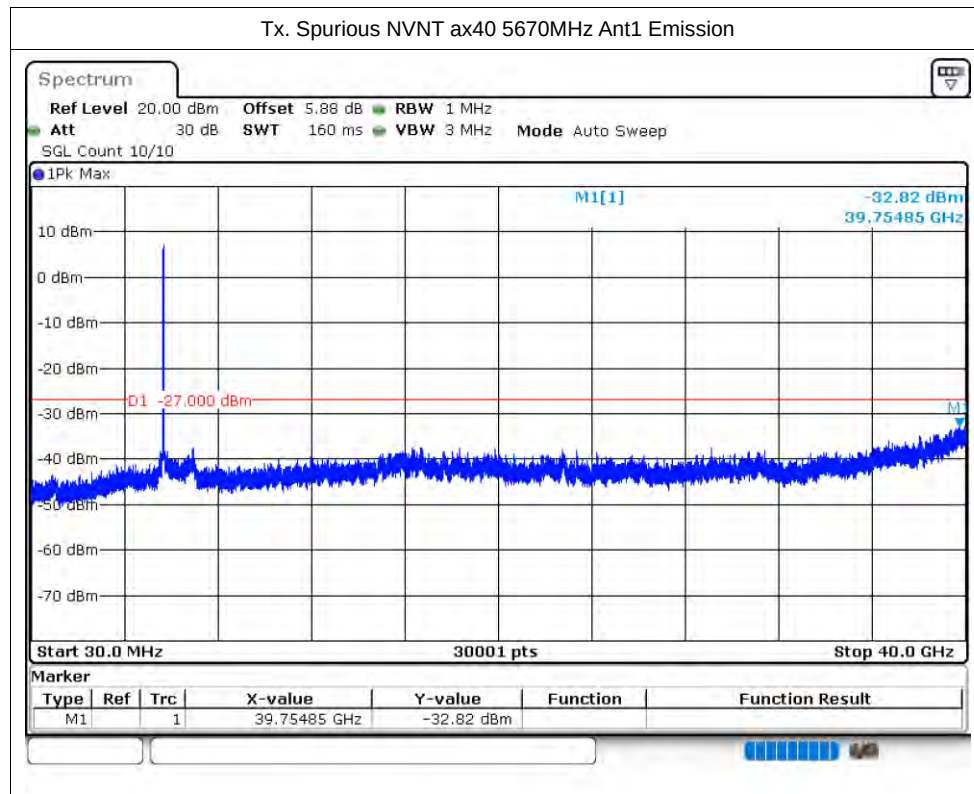


Tx. Spurious NVNT ax40 5510MHz Ant1 Emission



Tx. Spurious NVNT ax40 5590MHz Ant1 Emission





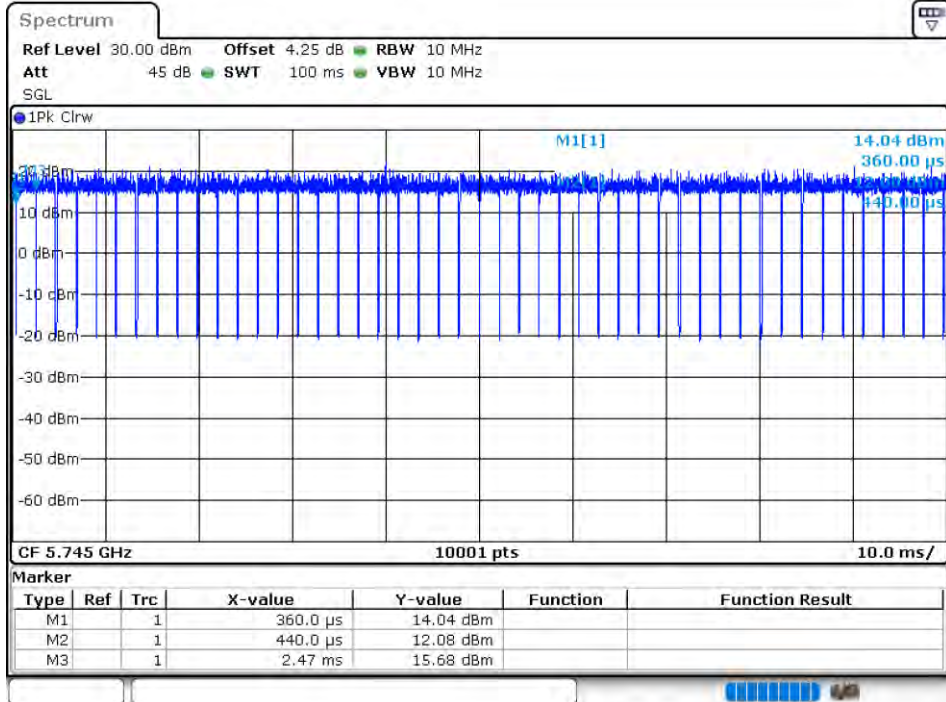
5.8G WIFI

Duty Cycle

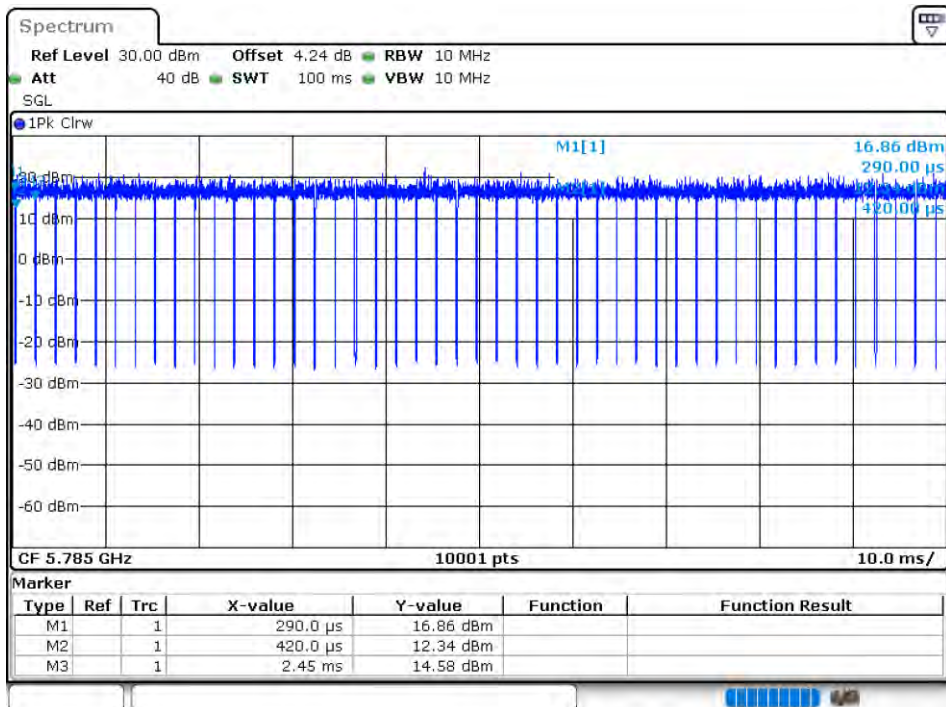
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	94.59	0.24	0.49
NVNT	a	5785	Ant1	95.35	0.21	0.49
NVNT	a	5825	Ant1	98.58	0.06	50
NVNT	n20	5745	Ant1	94.62	0.24	0.53
NVNT	n20	5785	Ant1	94.6	0.24	0.53
NVNT	n20	5825	Ant1	98.55	0.06	14.29
NVNT	n40	5755	Ant1	90.05	0.46	1.08
NVNT	n40	5795	Ant1	84.88	0.71	1.08
NVNT	ac20	5745	Ant1	94.38	0.25	0.53
NVNT	ac20	5785	Ant1	95.17	0.21	0.53
NVNT	ac20	5825	Ant1	94.64	0.24	0.53
NVNT	ac40	5755	Ant1	90.12	0.45	1.08
NVNT	ac40	5795	Ant1	86.11	0.65	1.06
NVNT	ax20	5745	Ant1	90.18	0.45	0.68
NVNT	ax20	5785	Ant1	89.93	0.46	0.68
NVNT	ax20	5825	Ant1	92.59	0.33	0.68
NVNT	ax40	5755	Ant1	83.19	0.8	1.32
NVNT	ax40	5795	Ant1	82.78	0.82	1.32

Test Graphs

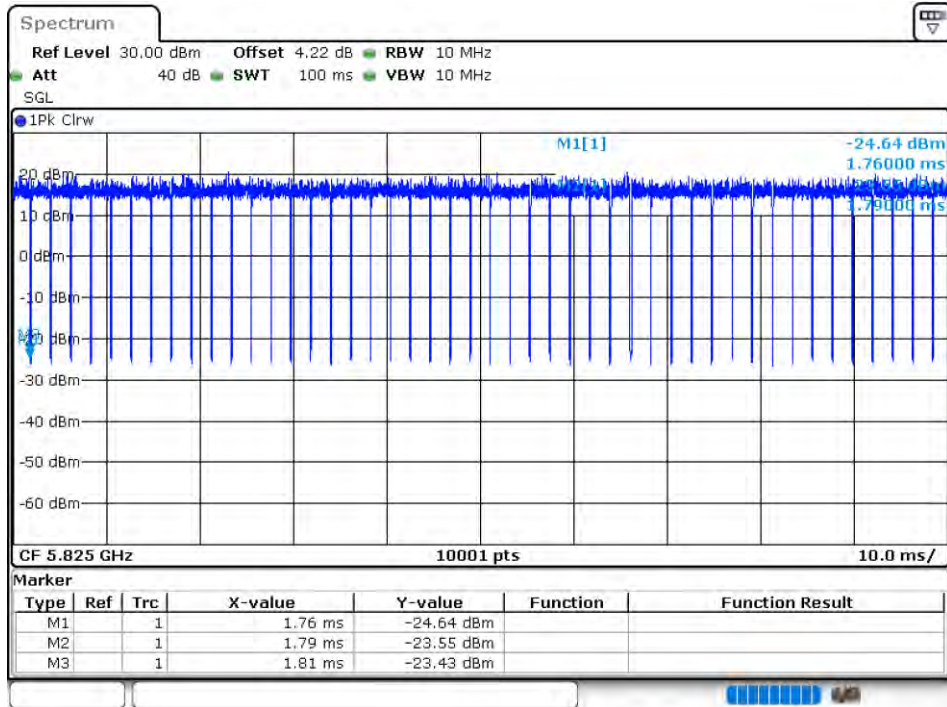
Duty Cycle NVNT a 5745MHz Ant1



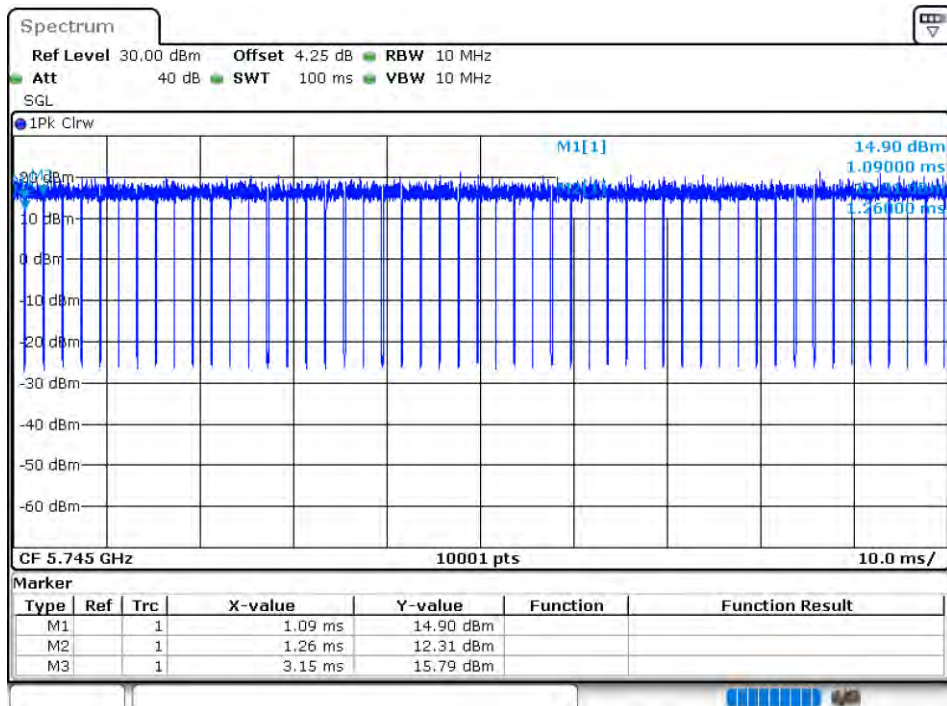
Duty Cycle NVNT a 5785MHz Ant1

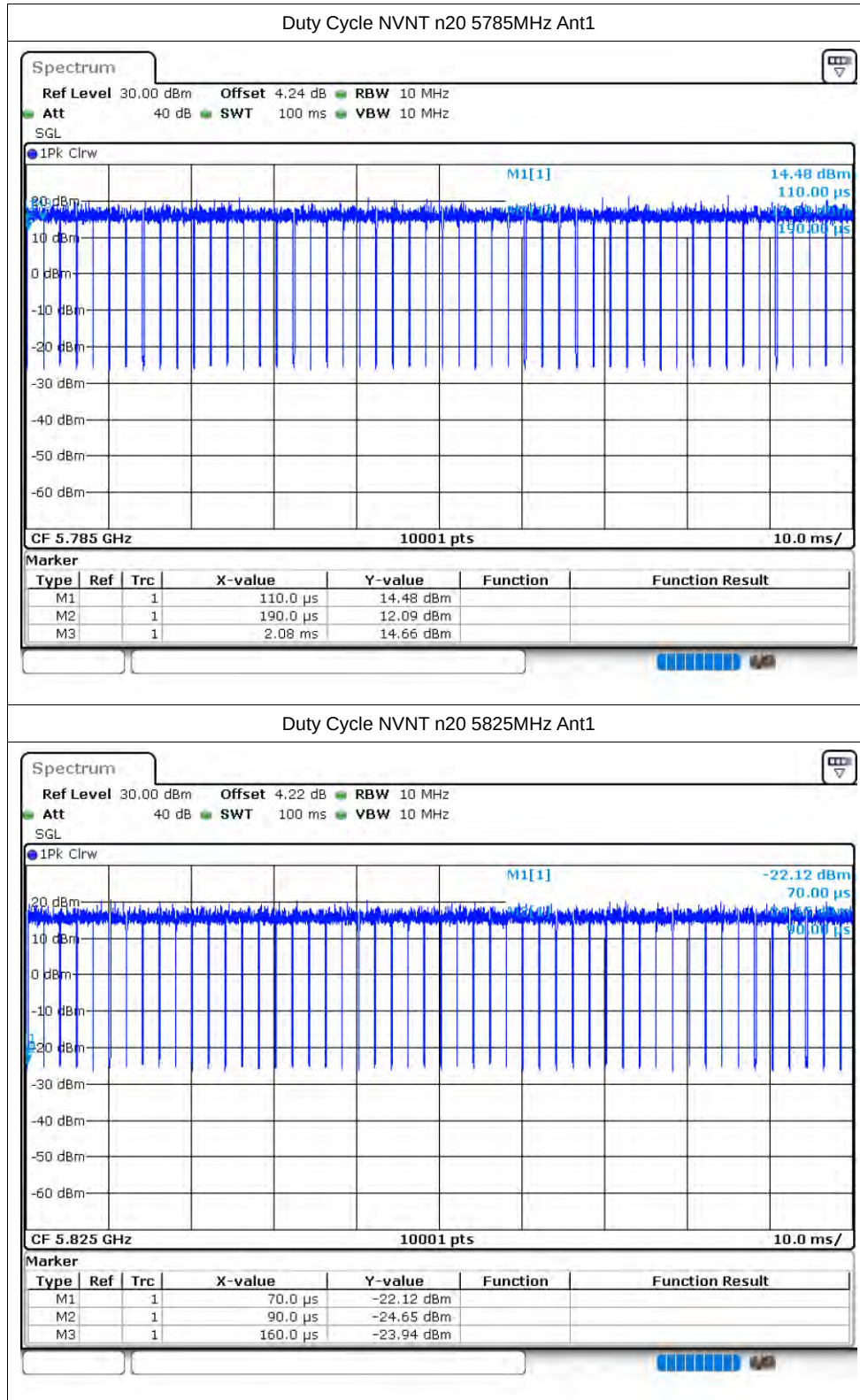


Duty Cycle NVNT a 5825MHz Ant1

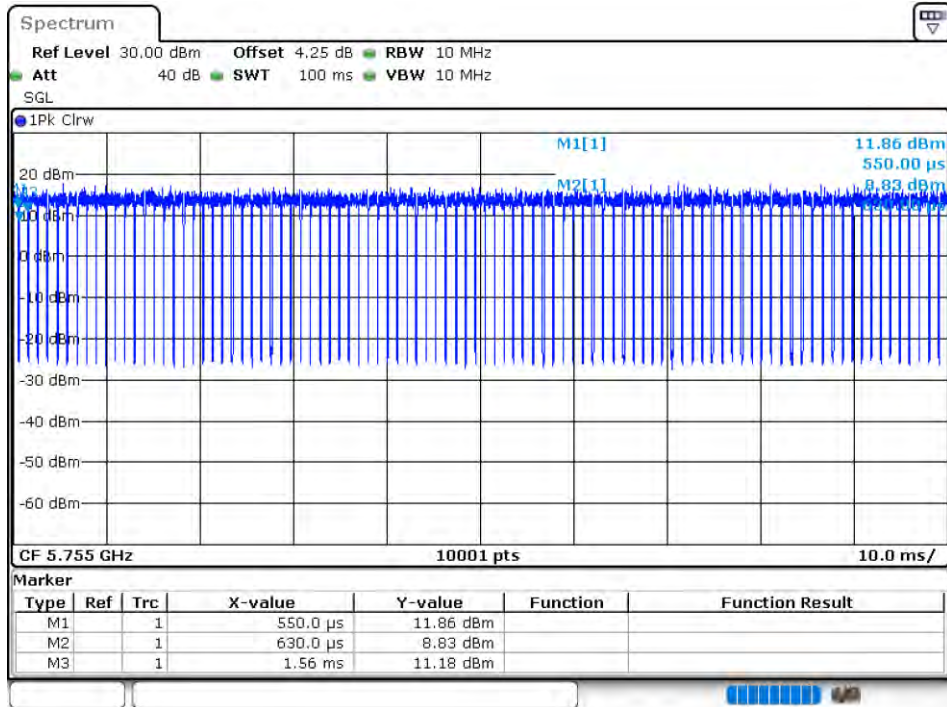


Duty Cycle NVNT n20 5745MHz Ant1

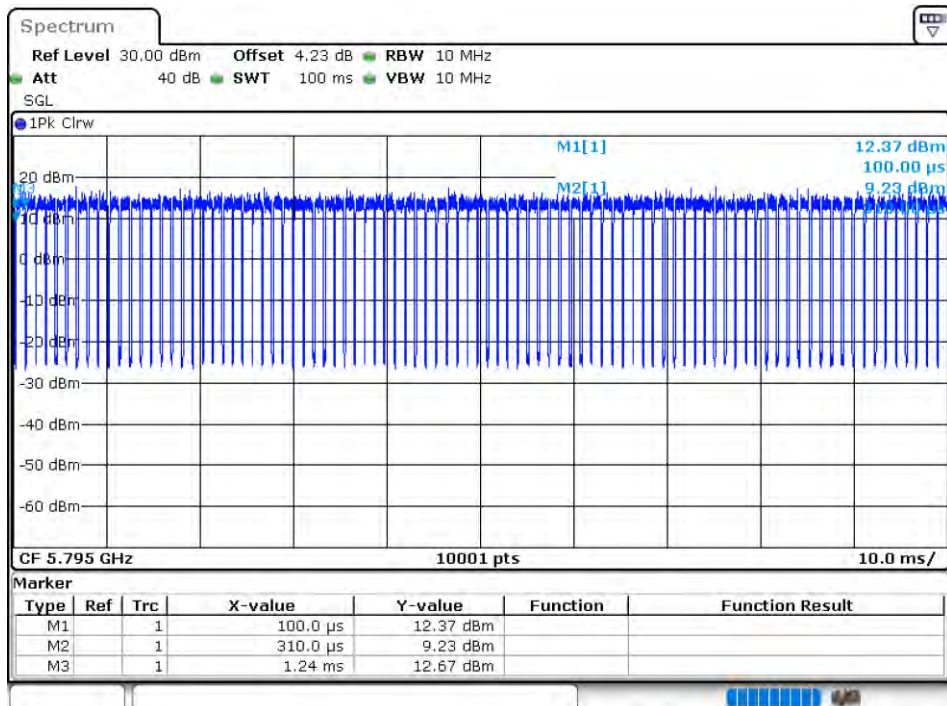




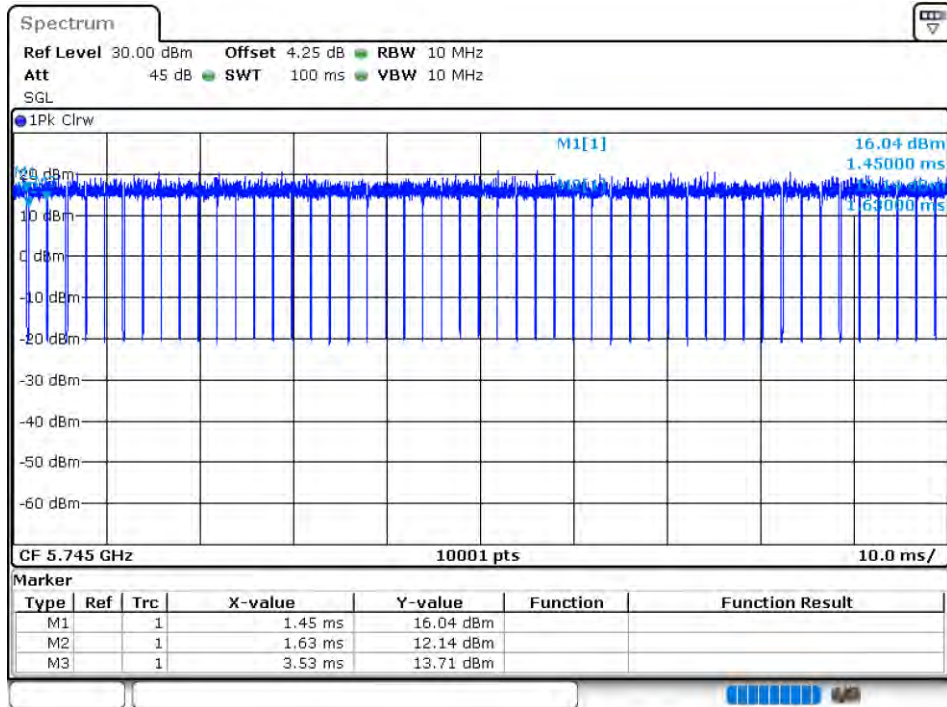
Duty Cycle NVNT n40 5755MHz Ant1



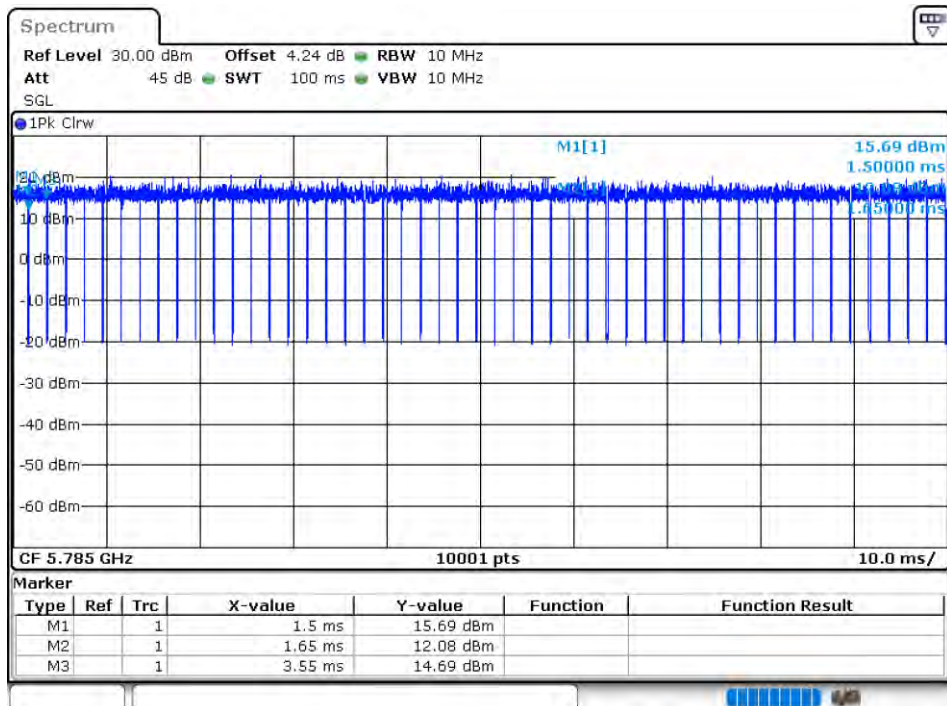
Duty Cycle NVNT n40 5795MHz Ant1



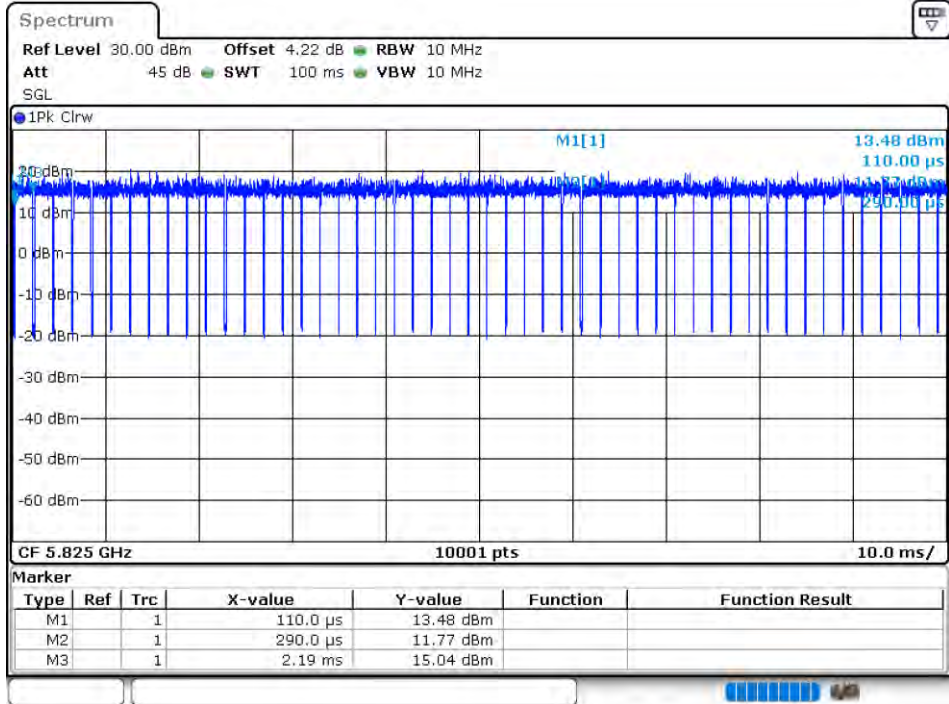
Duty Cycle NVNT ac20 5745MHz Ant1



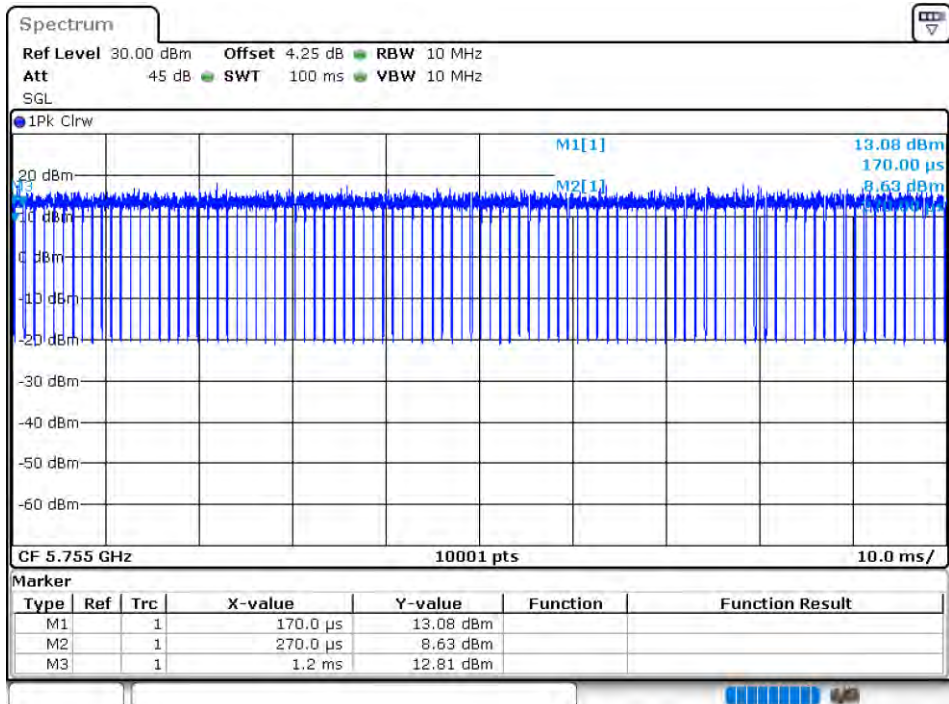
Duty Cycle NVNT ac20 5785MHz Ant1



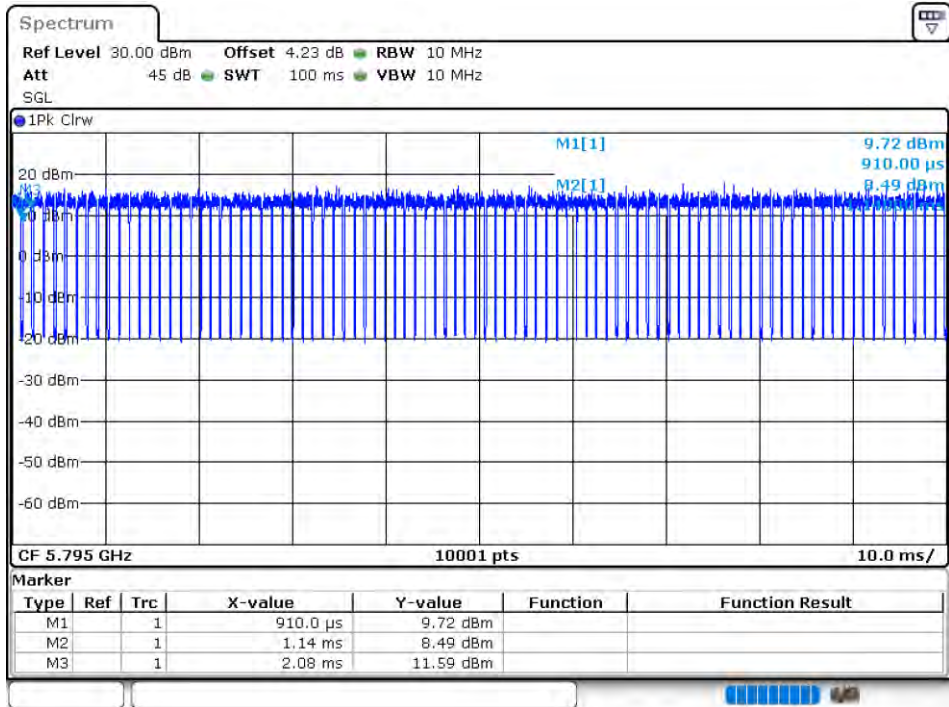
Duty Cycle NVNT ac20 5825MHz Ant1



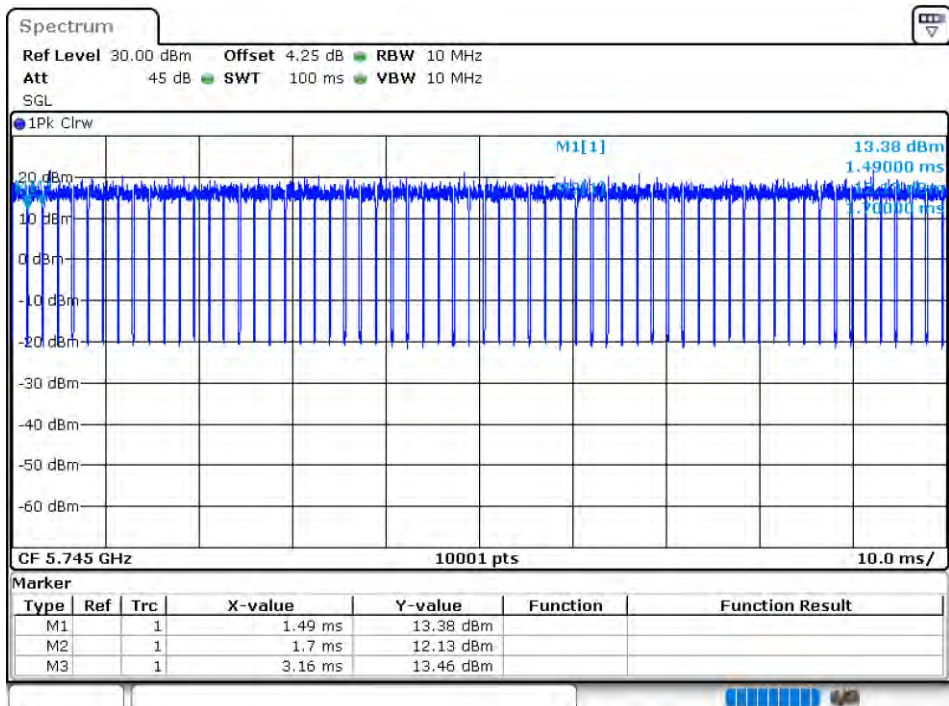
Duty Cycle NVNT ac40 5755MHz Ant1



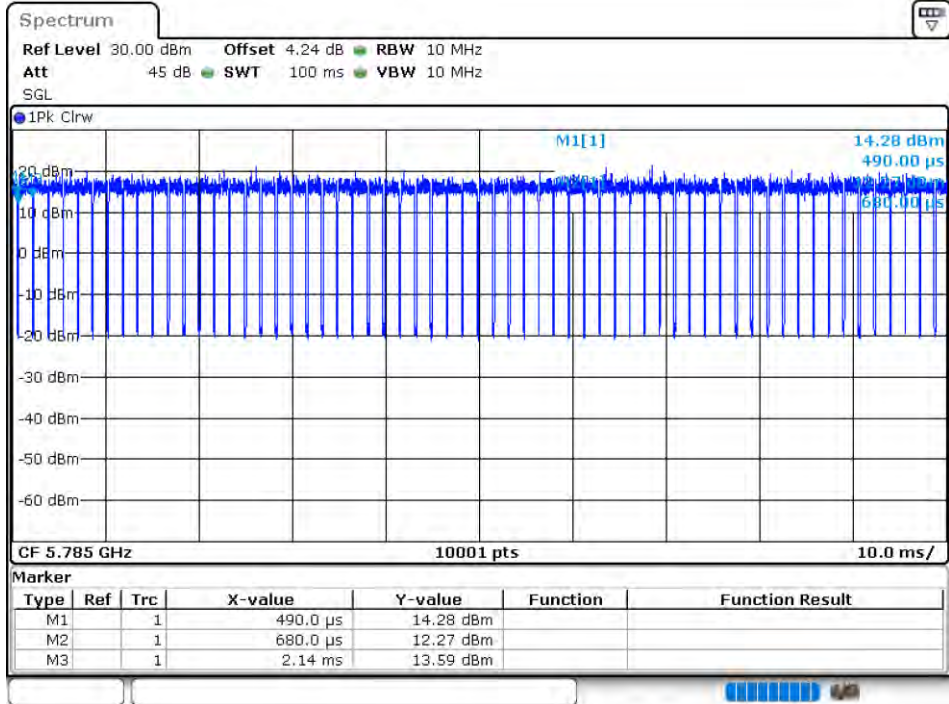
Duty Cycle NVNT ac40 5795MHz Ant1



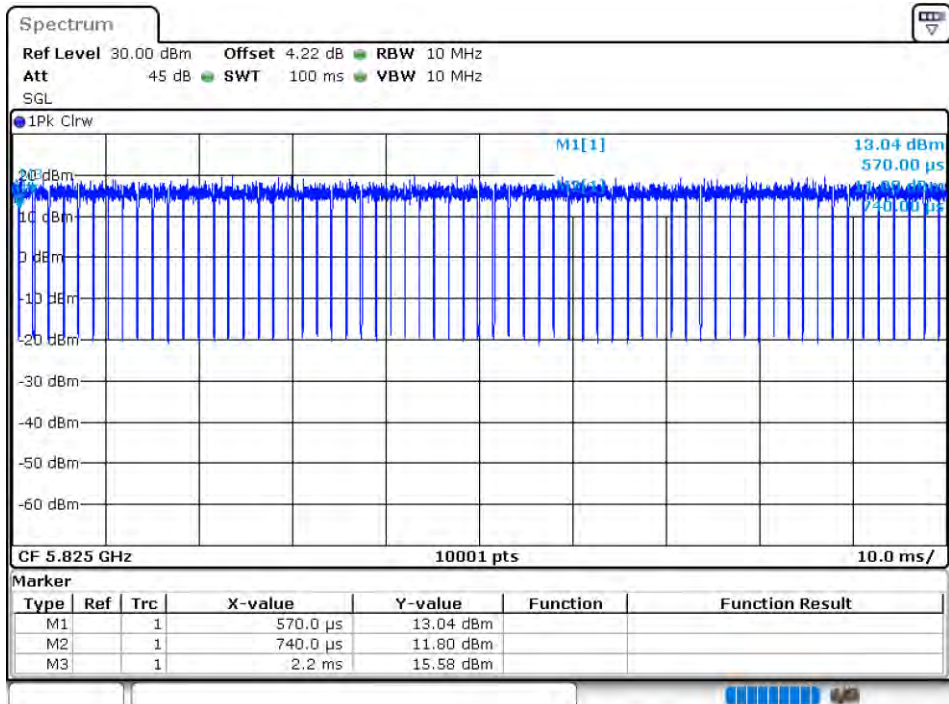
Duty Cycle NVNT ax20 5745MHz Ant1



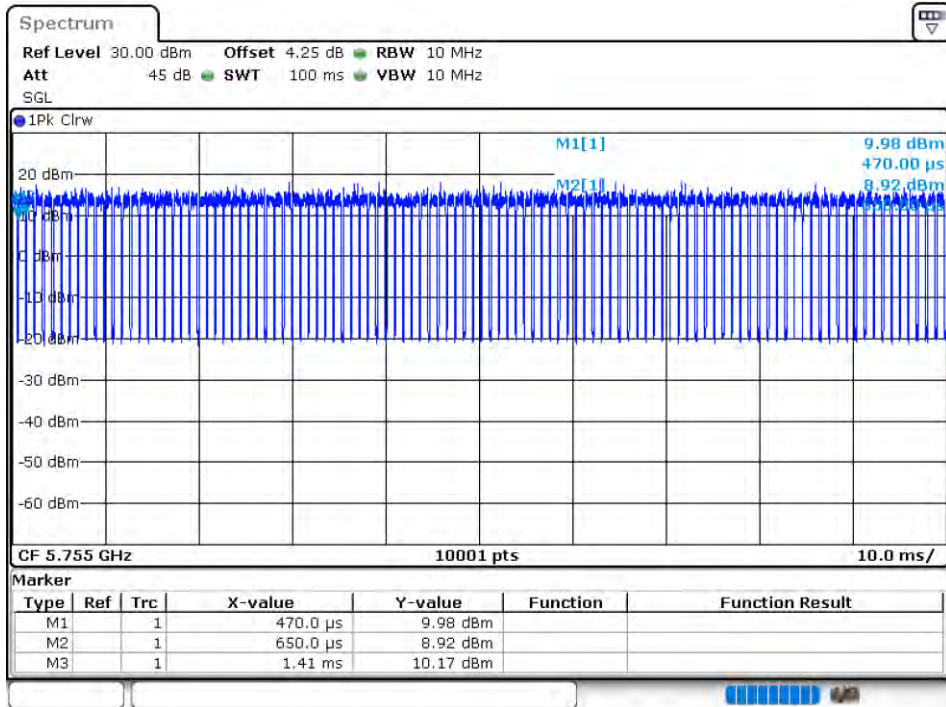
Duty Cycle NVNT ax20 5785MHz Ant1



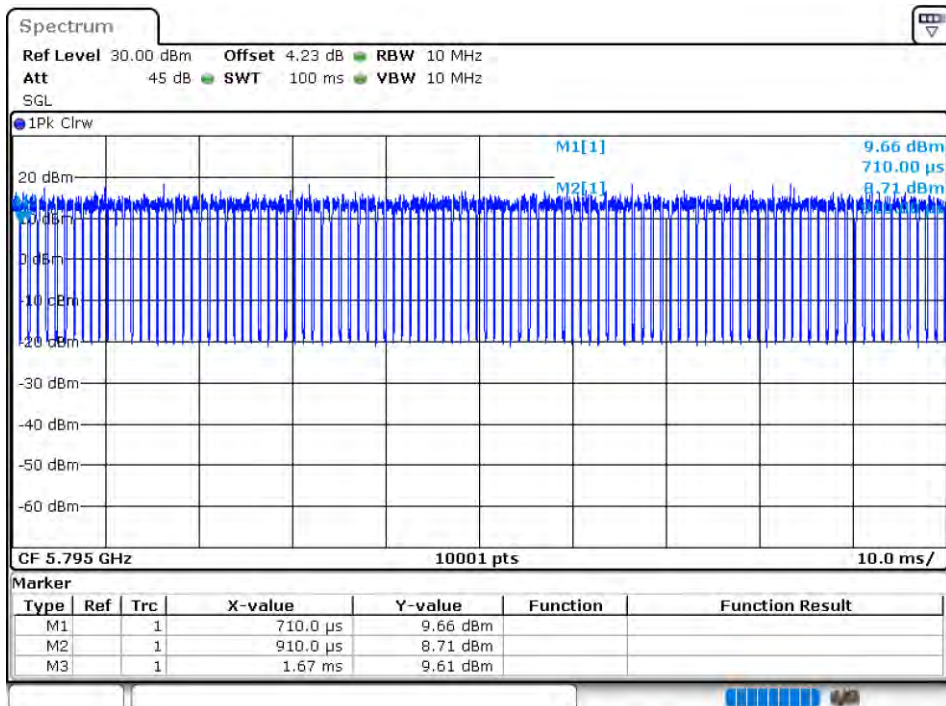
Duty Cycle NVNT ax20 5825MHz Ant1



Duty Cycle NVNT ax40 5755MHz Ant1



Duty Cycle NVNT ax40 5795MHz Ant1



Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	11.98	30	Pass
NVNT	a	5785	Ant1	11.55	30	Pass
NVNT	a	5825	Ant1	11.57	30	Pass
NVNT	n20	5745	Ant1	11.77	30	Pass
NVNT	n20	5785	Ant1	11.43	30	Pass
NVNT	n20	5825	Ant1	11.49	30	Pass
NVNT	n40	5755	Ant1	11.77	30	Pass
NVNT	n40	5795	Ant1	11.66	30	Pass
NVNT	ac20	5745	Ant1	11.8	30	Pass
NVNT	ac20	5785	Ant1	11.71	30	Pass
NVNT	ac20	5825	Ant1	11.53	30	Pass
NVNT	ac40	5755	Ant1	11.68	30	Pass
NVNT	ac40	5795	Ant1	11.76	30	Pass
NVNT	ax20	5745	Ant1	11.91	30	Pass
NVNT	ax20	5785	Ant1	11.54	30	Pass
NVNT	ax20	5825	Ant1	11.46	30	Pass
NVNT	ax40	5755	Ant1	11.82	30	Pass
NVNT	ax40	5795	Ant1	11.9	30	Pass

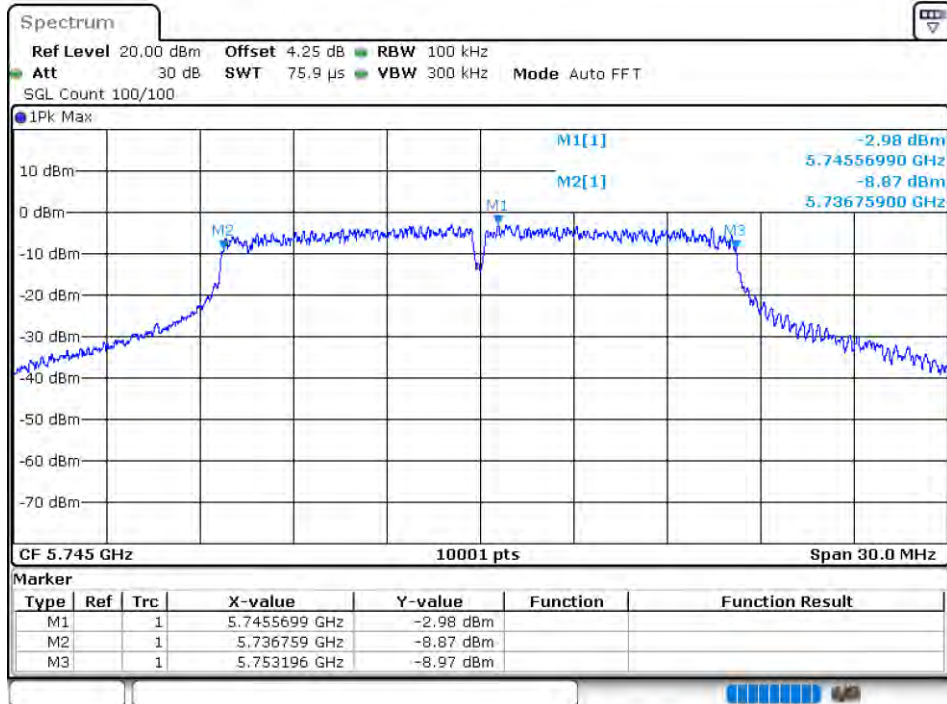
Note: The average power contains duty cycle

-6dB Bandwidth

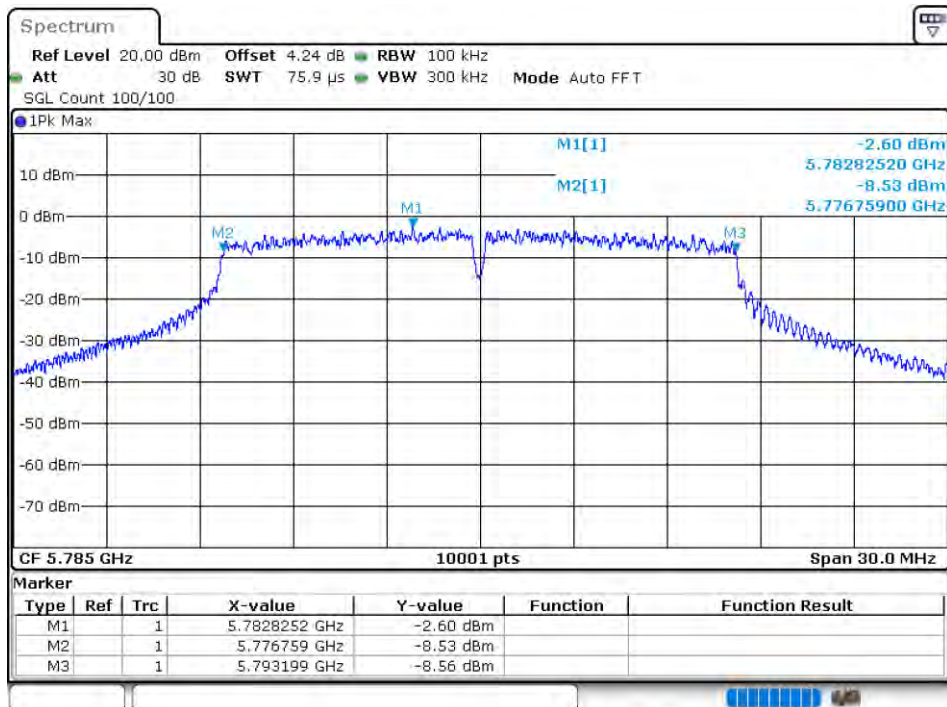
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.437	0.5	Pass
NVNT	a	5785	Ant1	16.44	0.5	Pass
NVNT	a	5825	Ant1	16.413	0.5	Pass
NVNT	n20	5745	Ant1	17.592	0.5	Pass
NVNT	n20	5785	Ant1	15.42	0.5	Pass
NVNT	n20	5825	Ant1	17.616	0.5	Pass
NVNT	n40	5755	Ant1	35.112	0.5	Pass
NVNT	n40	5795	Ant1	36.036	0.5	Pass
NVNT	ac20	5745	Ant1	17.571	0.5	Pass
NVNT	ac20	5785	Ant1	17.547	0.5	Pass
NVNT	ac20	5825	Ant1	17.568	0.5	Pass
NVNT	ac40	5755	Ant1	31.272	0.5	Pass
NVNT	ac40	5795	Ant1	35.136	0.5	Pass
NVNT	ax20	5745	Ant1	18.21	0.5	Pass
NVNT	ax20	5785	Ant1	18.948	0.5	Pass
NVNT	ax20	5825	Ant1	18.903	0.5	Pass
NVNT	ax40	5755	Ant1	35.106	0.5	Pass
NVNT	ax40	5795	Ant1	33.51	0.5	Pass

Test Graphs

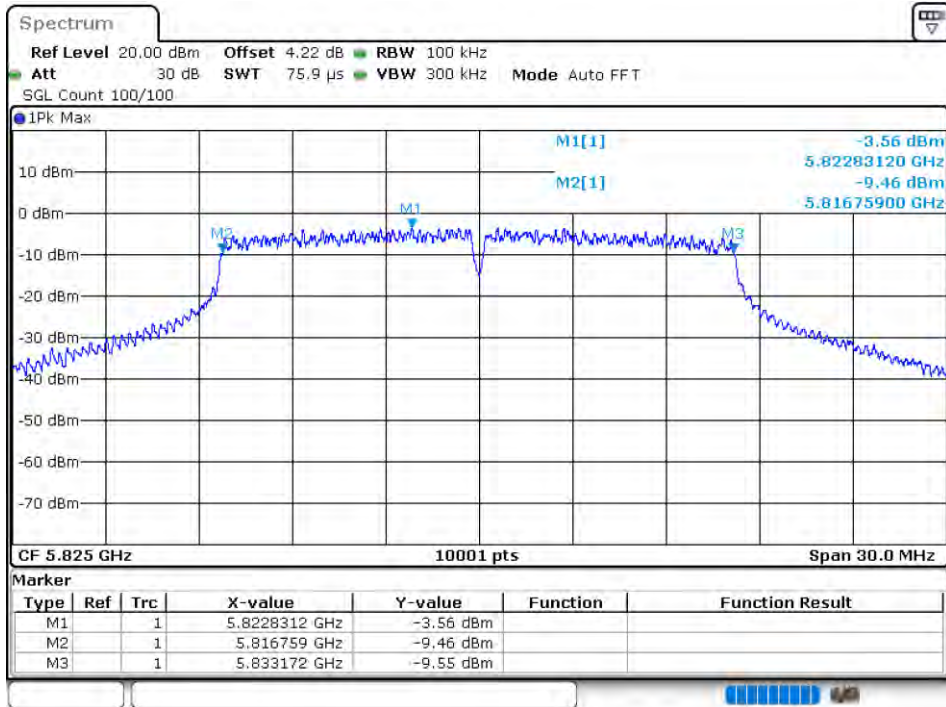
-6dB Bandwidth NVNT a 5745MHz Ant1



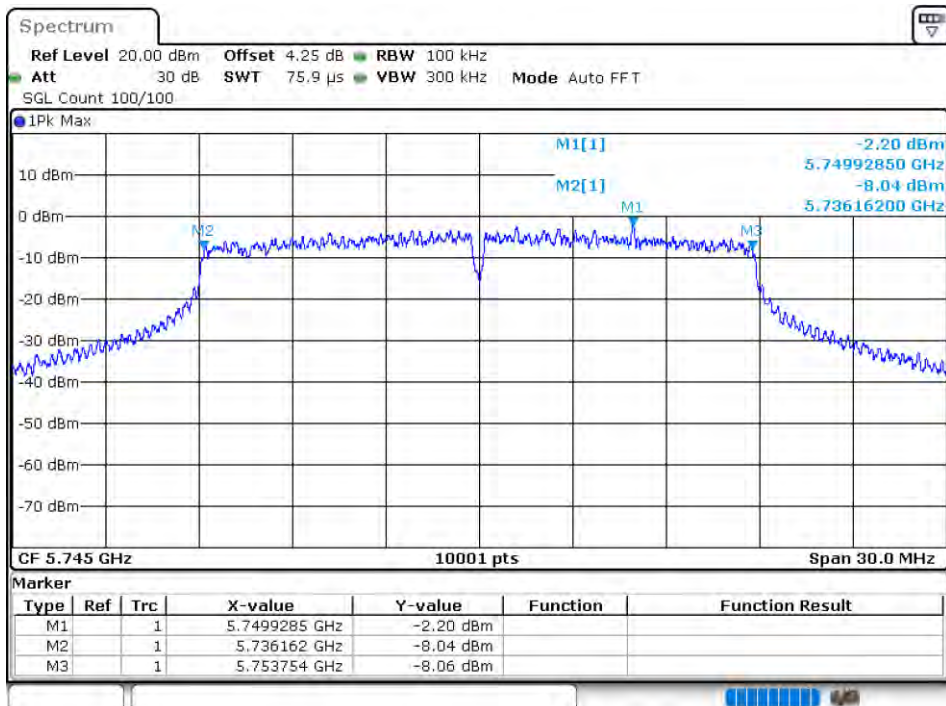
-6dB Bandwidth NVNT a 5785MHz Ant1



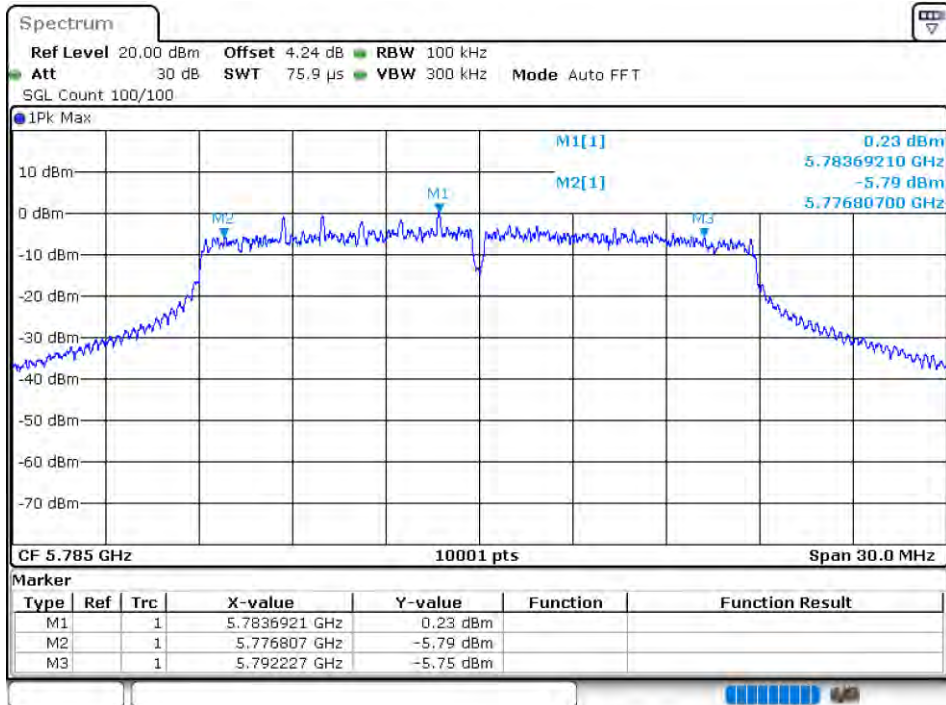
-6dB Bandwidth NVNT a 5825MHz Ant1



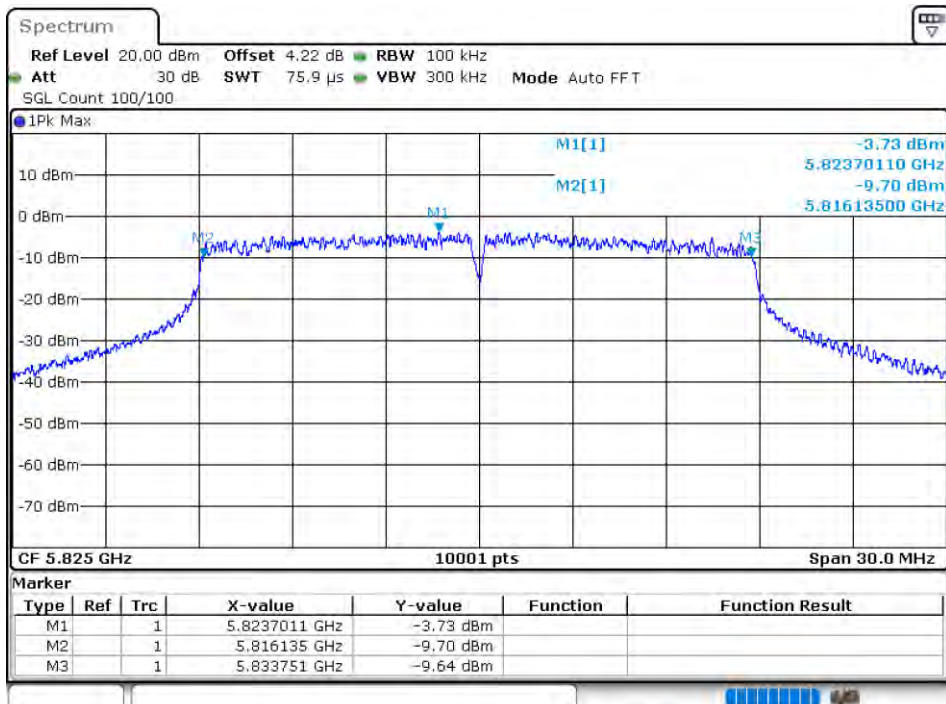
-6dB Bandwidth NVNT n20 5745MHz Ant1



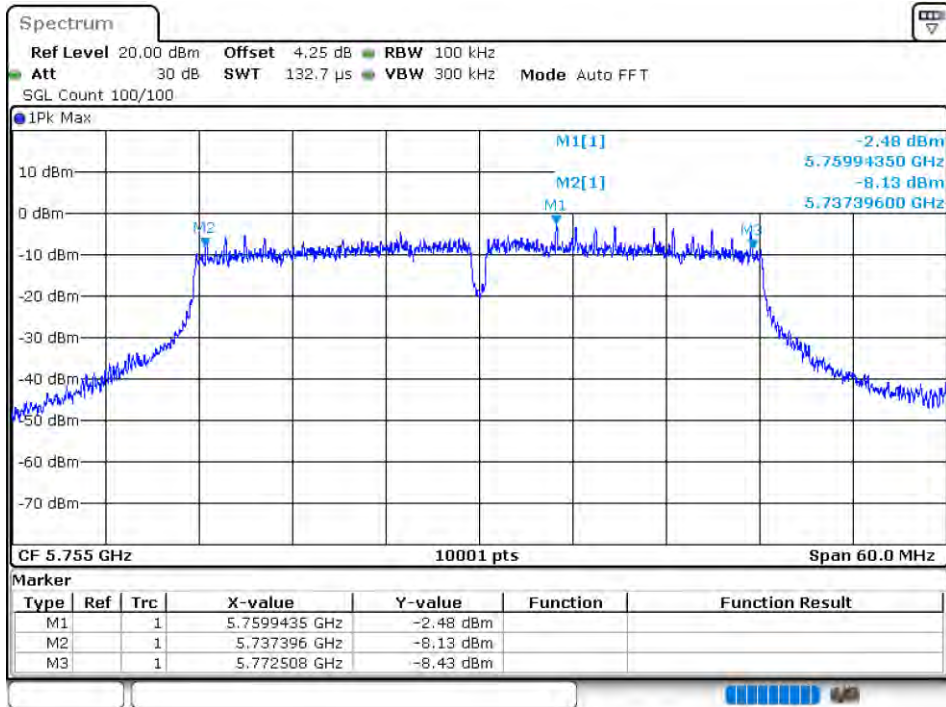
-6dB Bandwidth NVNT n20 5785MHz Ant1



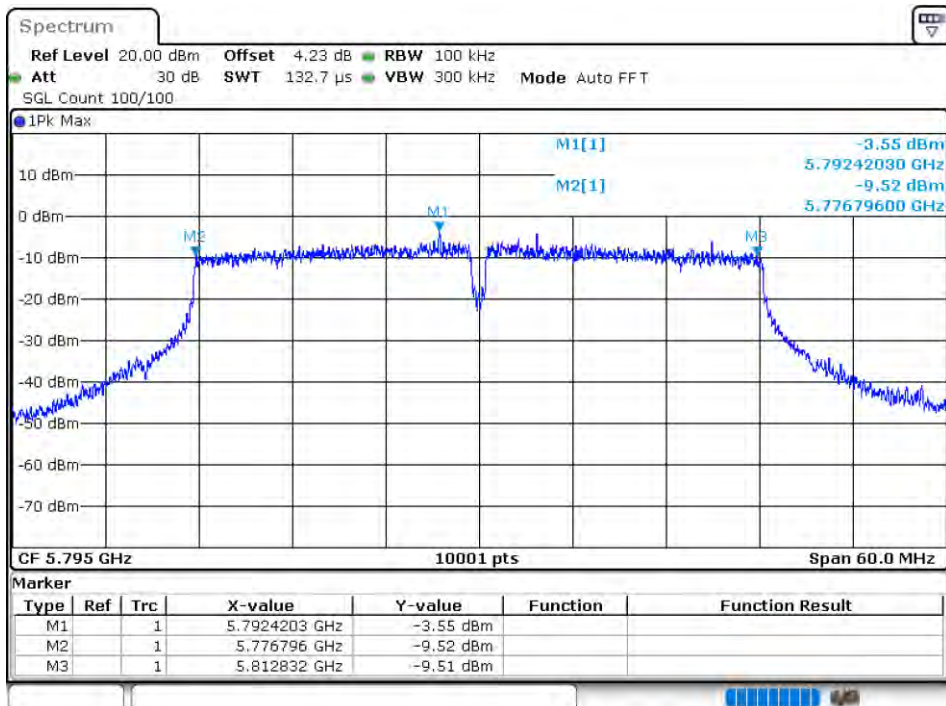
-6dB Bandwidth NVNT n20 5825MHz Ant1



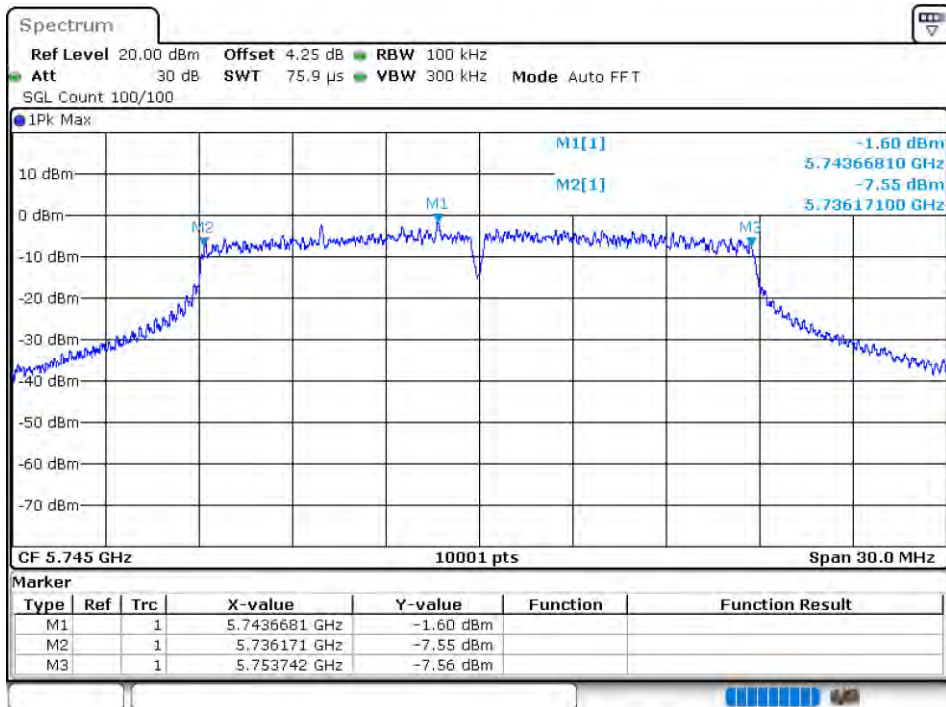
-6dB Bandwidth NVNT n40 5755MHz Ant1



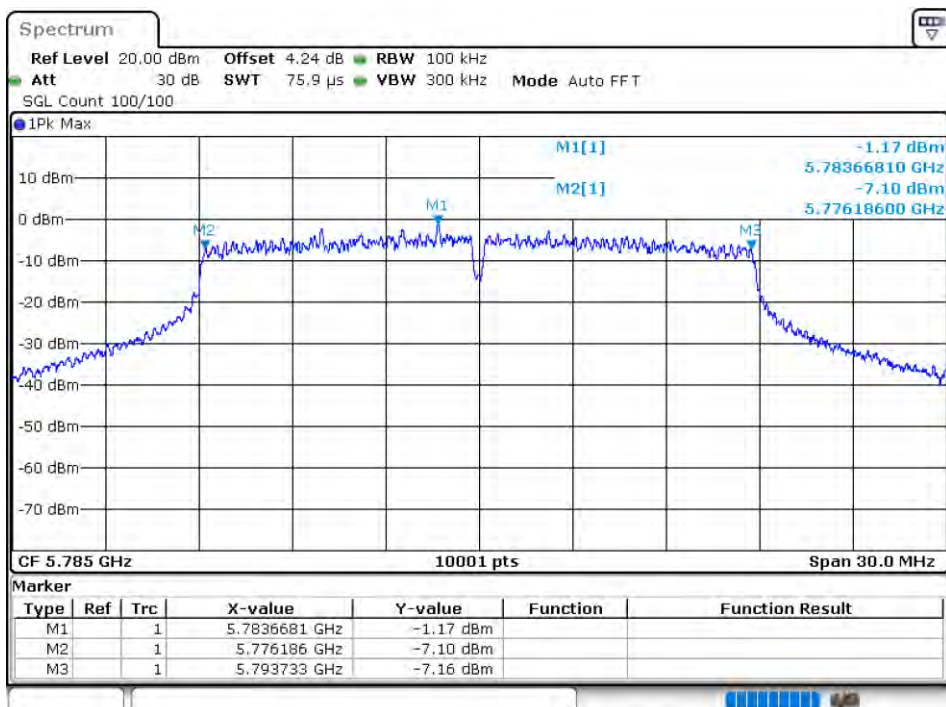
-6dB Bandwidth NVNT n40 5795MHz Ant1



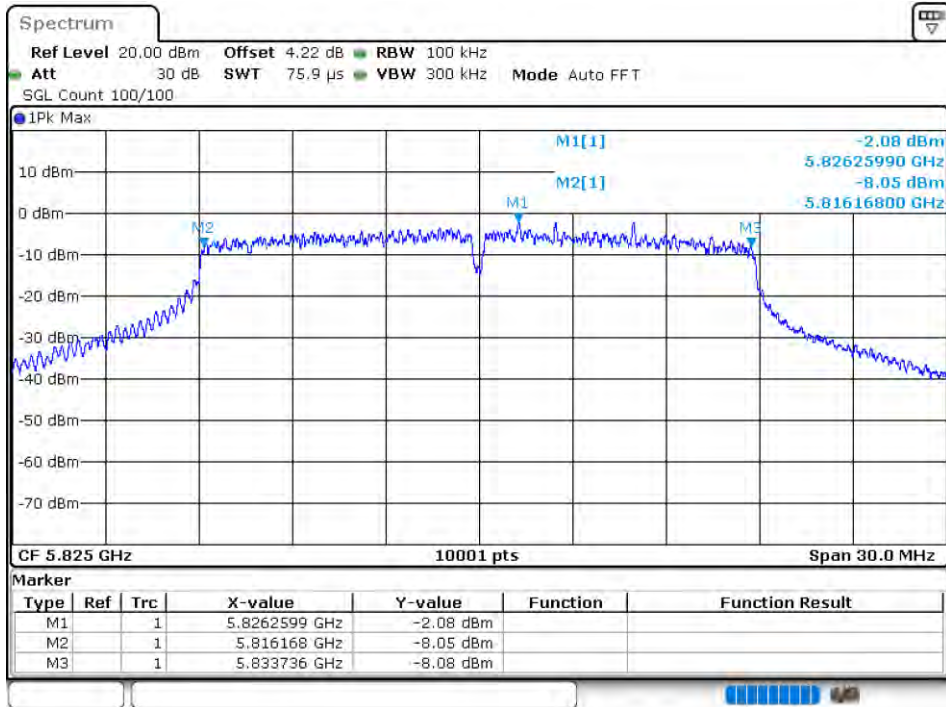
-6dB Bandwidth NVNT ac20 5745MHz Ant1



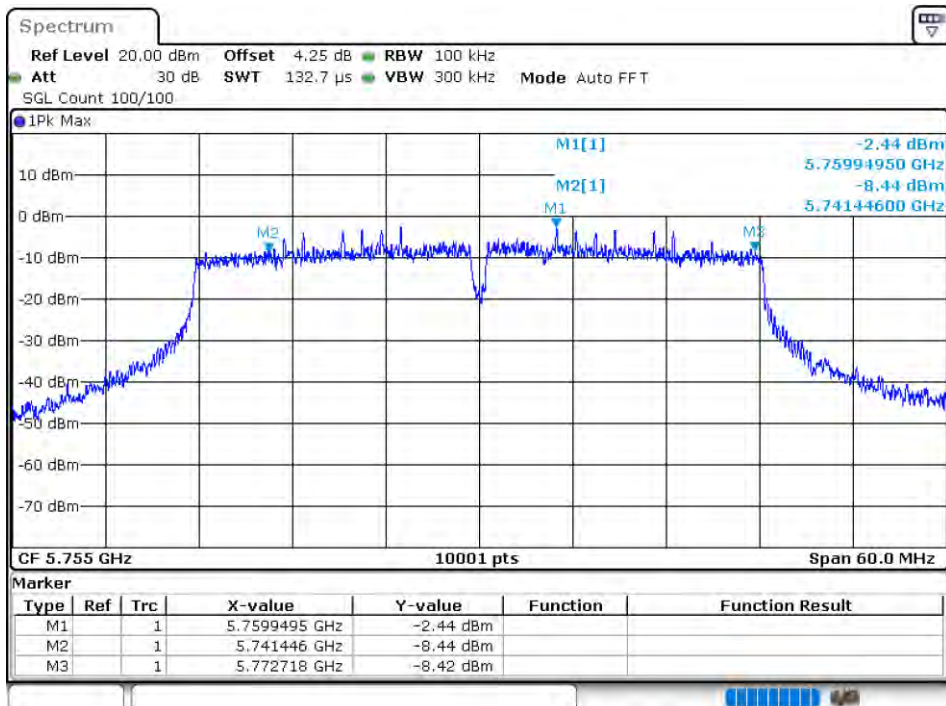
-6dB Bandwidth NVNT ac20 5785MHz Ant1



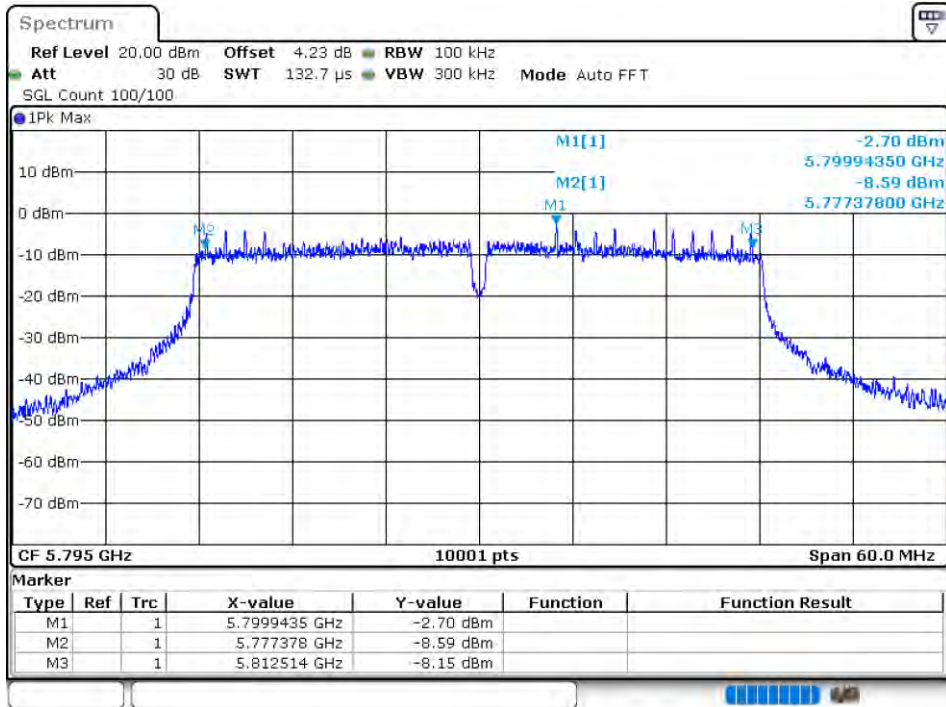
-6dB Bandwidth NVNT ac20 5825MHz Ant1



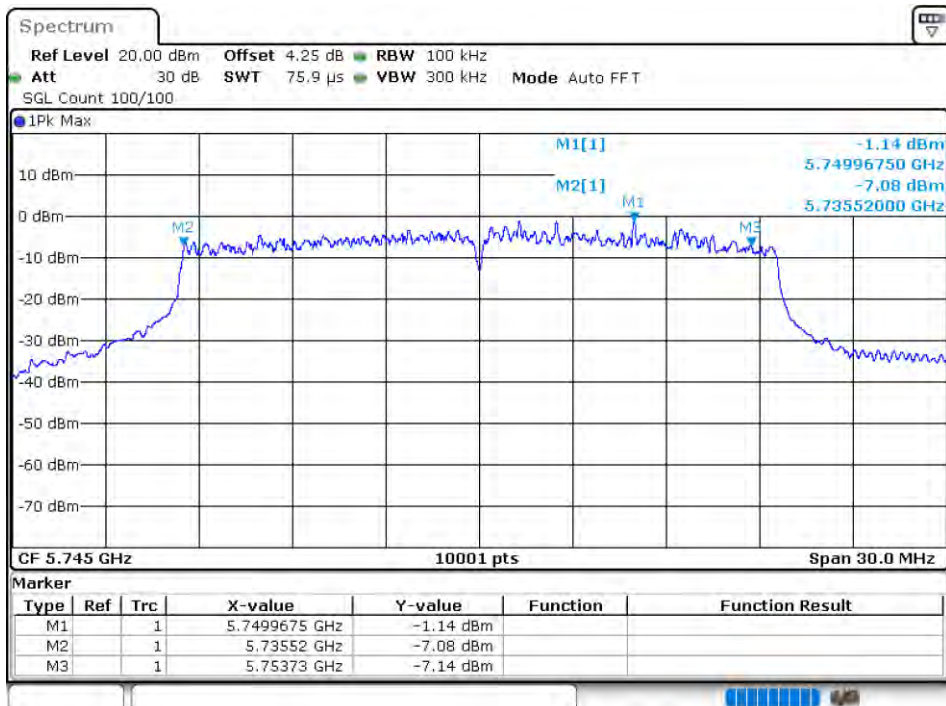
-6dB Bandwidth NVNT ac40 5755MHz Ant1



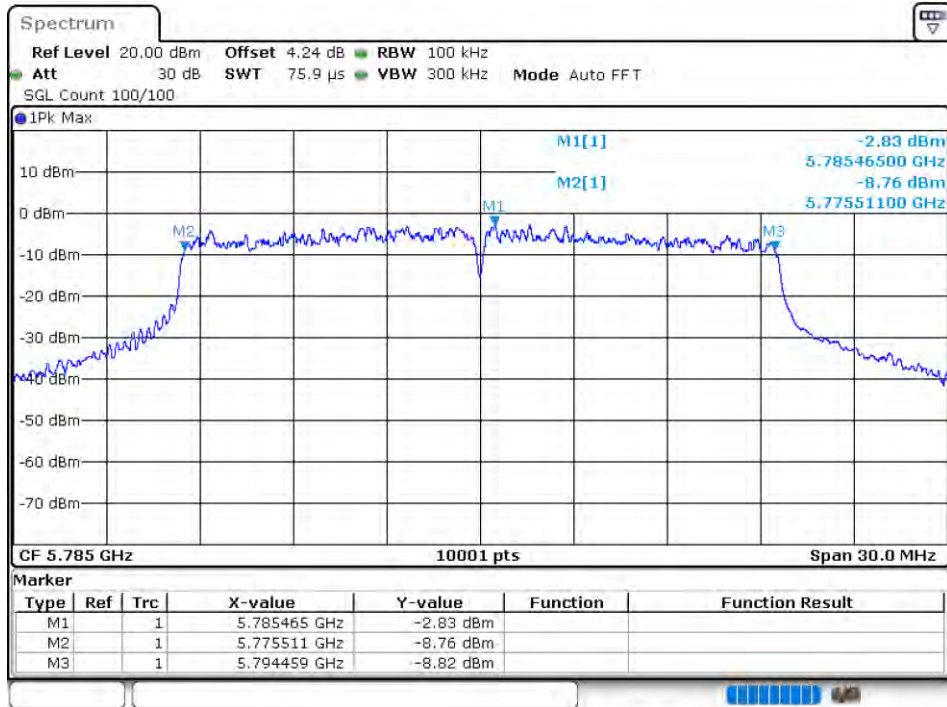
-6dB Bandwidth NVNT ac40 5795MHz Ant1



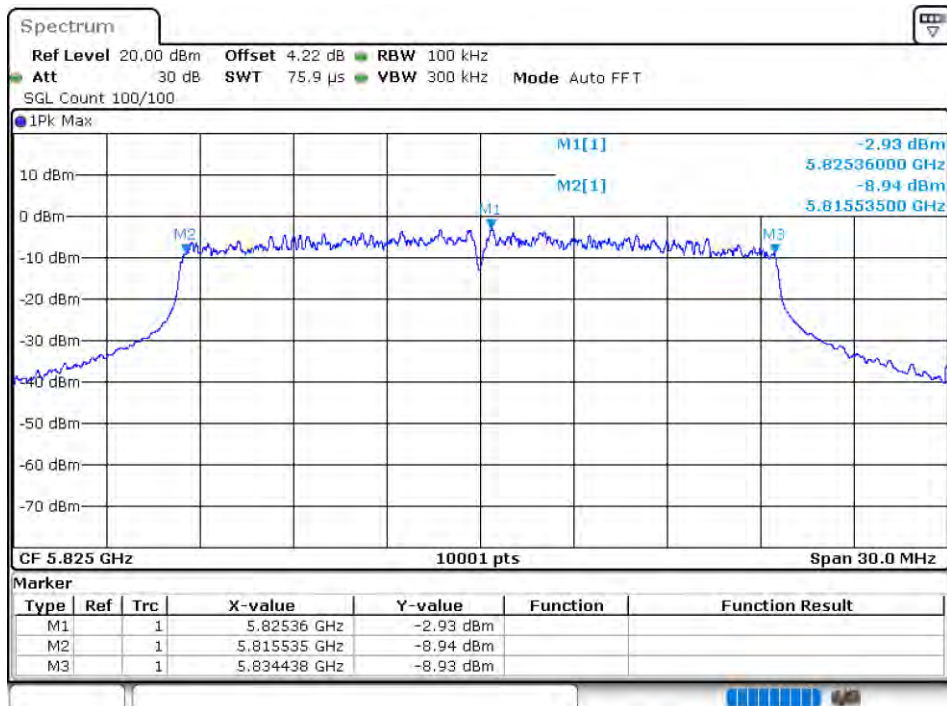
-6dB Bandwidth NVNT ax20 5745MHz Ant1



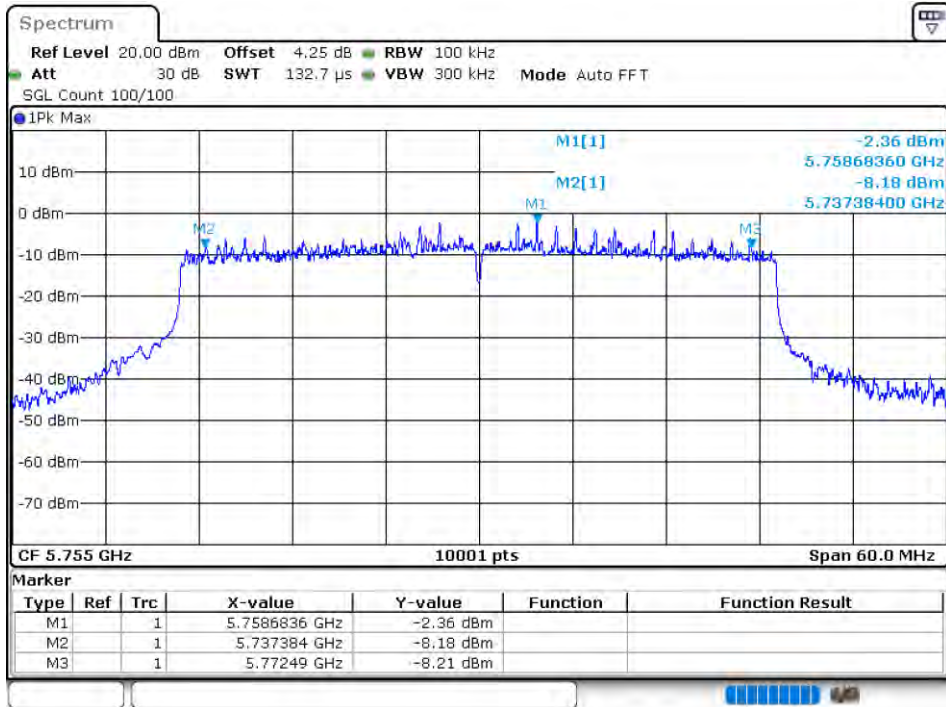
-6dB Bandwidth NVNT ax20 5785MHz Ant1



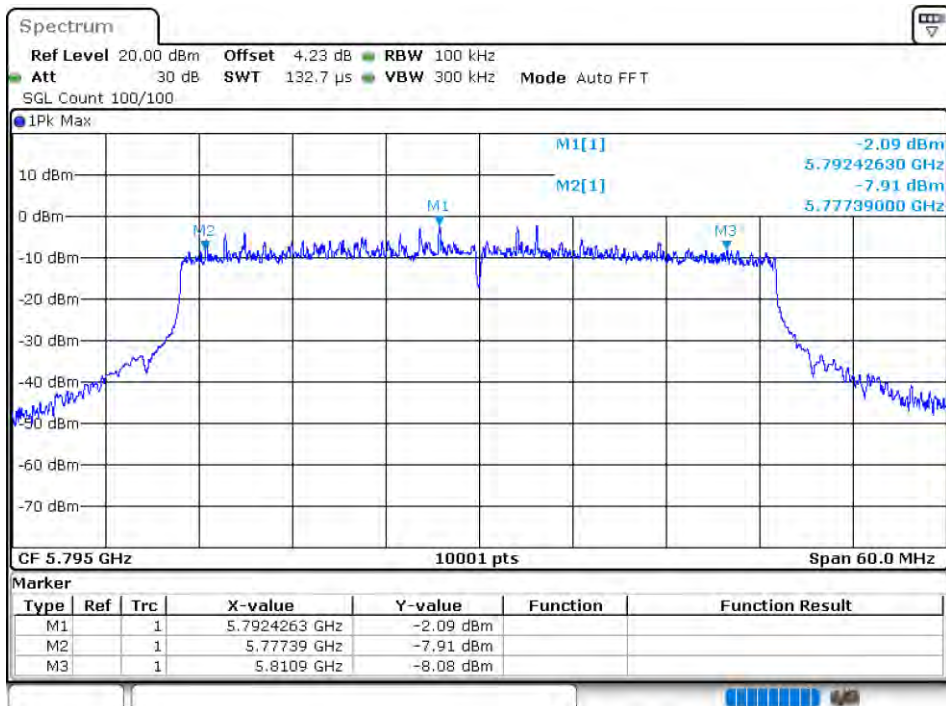
-6dB Bandwidth NVNT ax20 5825MHz Ant1



-6dB Bandwidth NVNT ax40 5755MHz Ant1



-6dB Bandwidth NVNT ax40 5795MHz Ant1



Occupied Channel Bandwidth

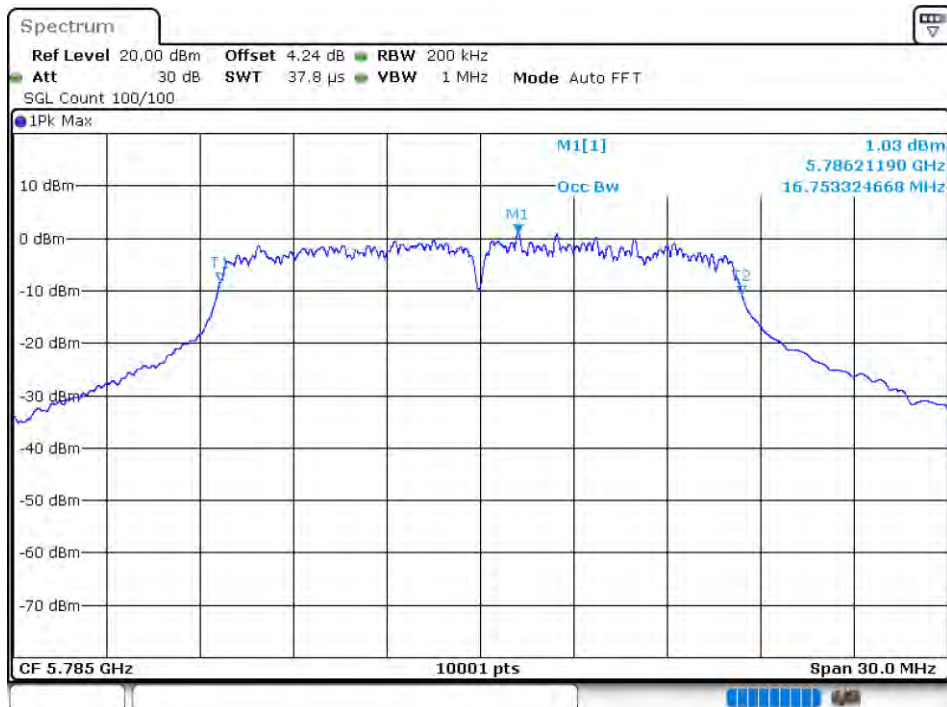
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.663
NVNT	a	5785	Ant1	16.753
NVNT	a	5825	Ant1	16.612
NVNT	n20	5745	Ant1	17.803
NVNT	n20	5785	Ant1	17.926
NVNT	n20	5825	Ant1	17.818
NVNT	n40	5755	Ant1	36.428
NVNT	n40	5795	Ant1	36.482
NVNT	ac20	5745	Ant1	17.719
NVNT	ac20	5785	Ant1	17.878
NVNT	ac20	5825	Ant1	17.824
NVNT	ac40	5755	Ant1	36.458
NVNT	ac40	5795	Ant1	36.476
NVNT	ax20	5745	Ant1	19.36
NVNT	ax20	5785	Ant1	19.075
NVNT	ax20	5825	Ant1	18.916
NVNT	ax40	5755	Ant1	37.844
NVNT	ax40	5795	Ant1	37.826

Test Graphs

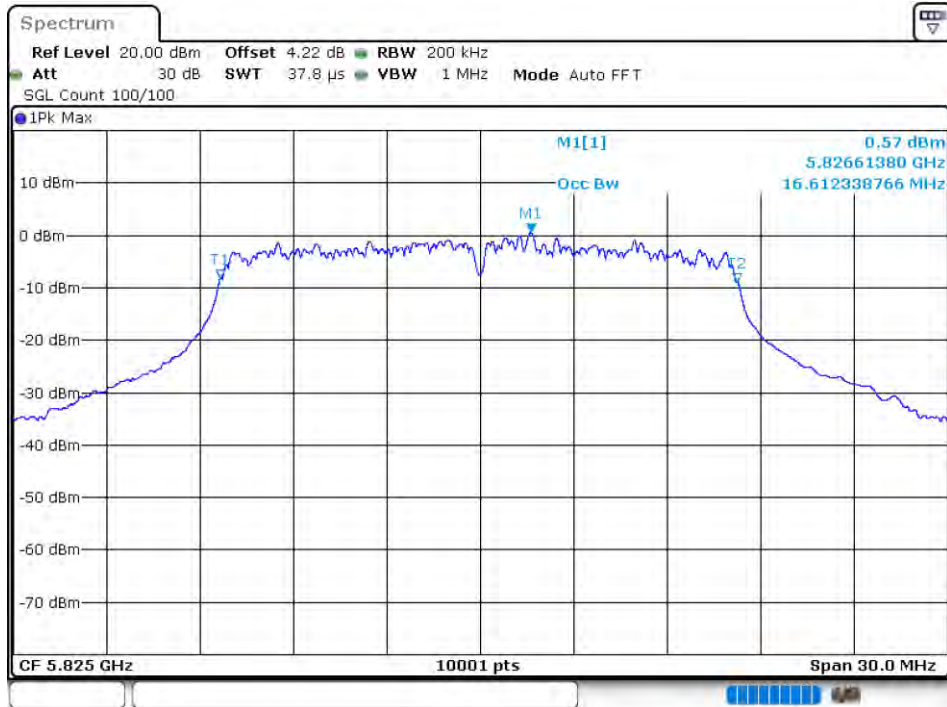
OBW NVNT a 5745MHz Ant1



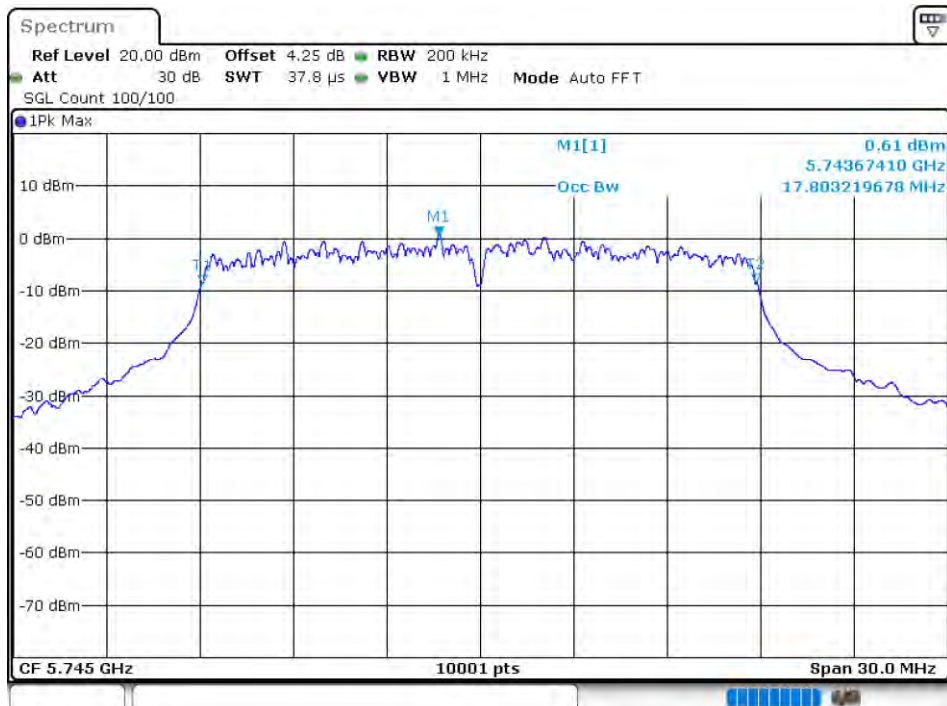
OBW NVNT a 5785MHz Ant1

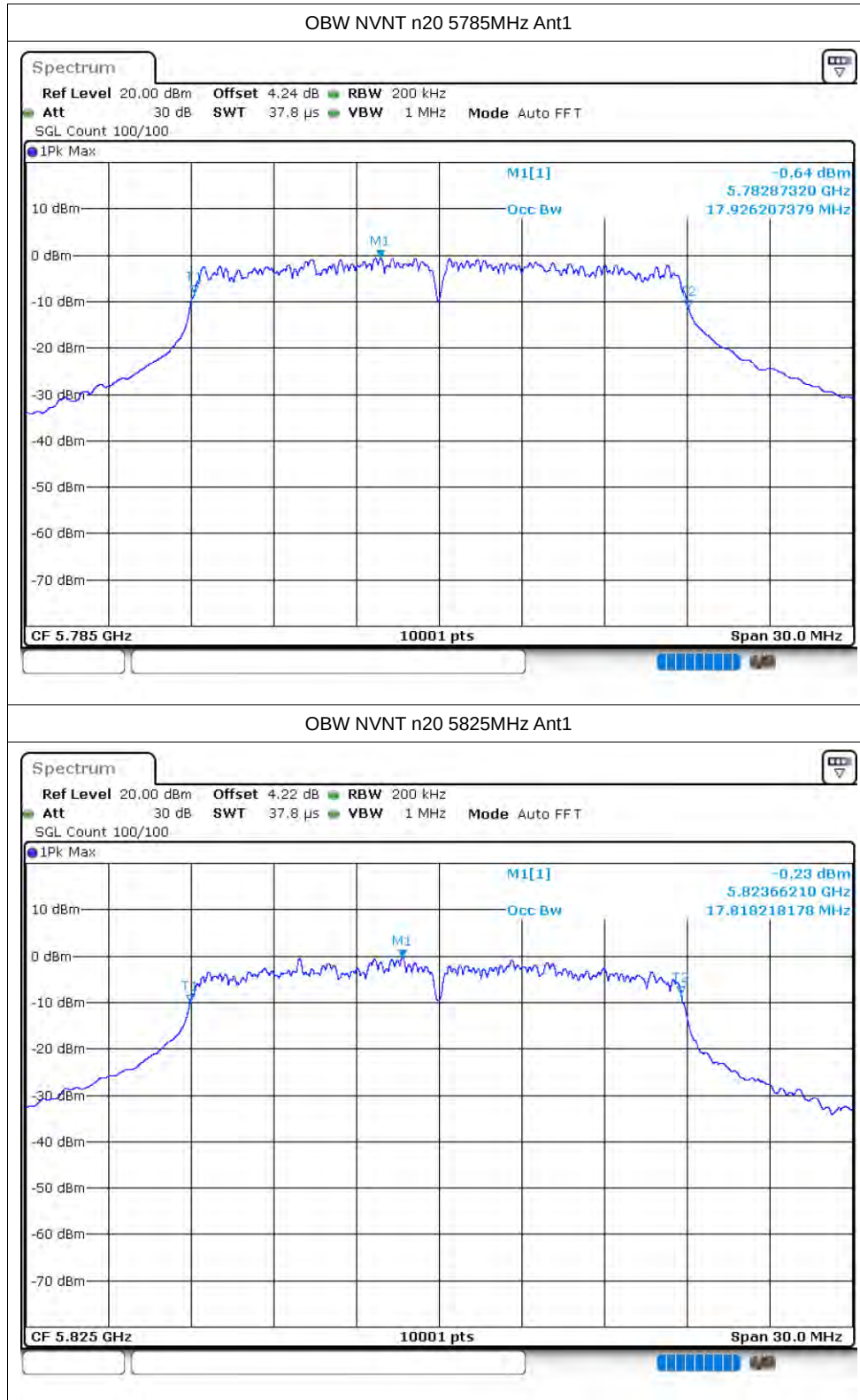


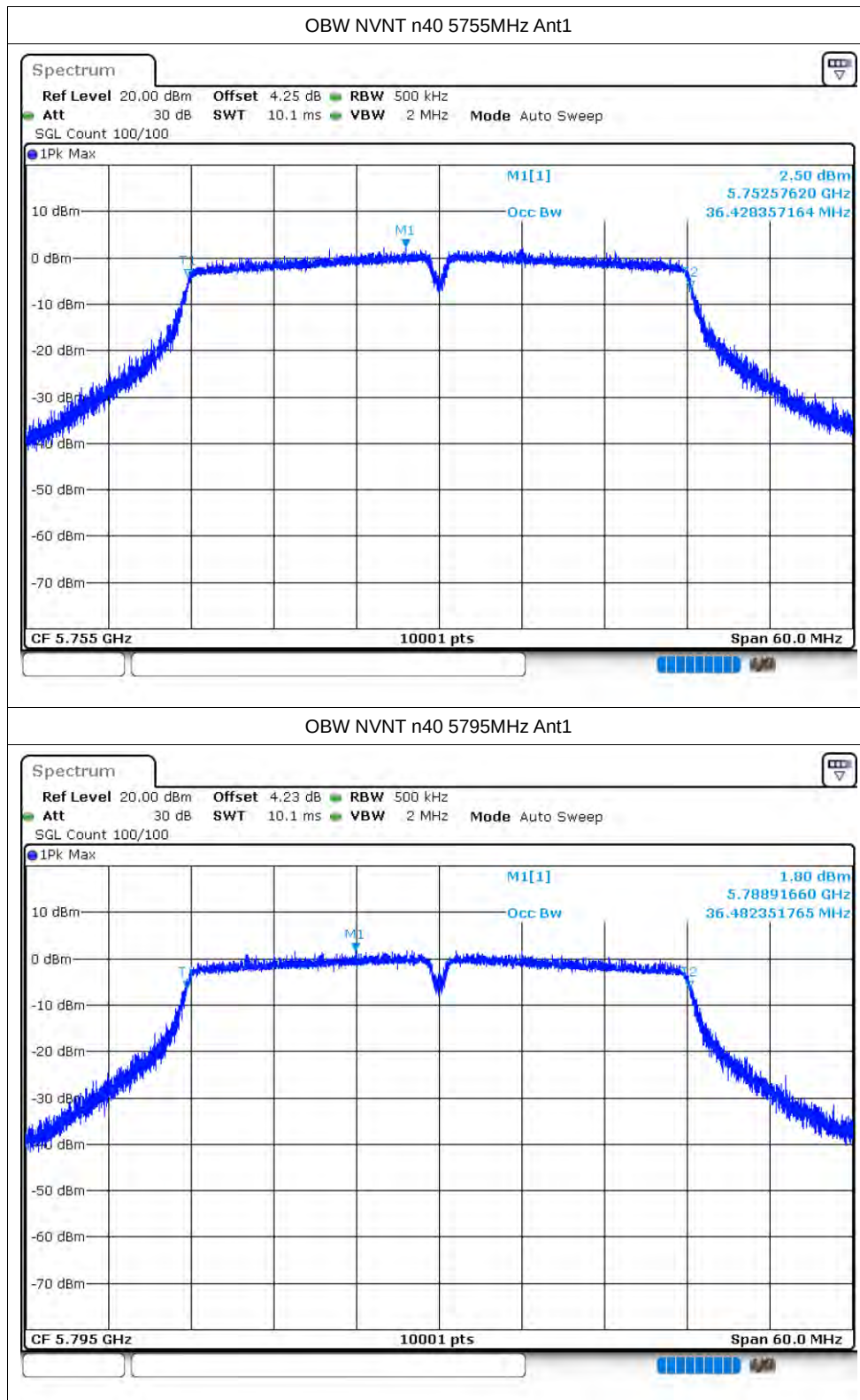
OBW NVNT a 5825MHz Ant1



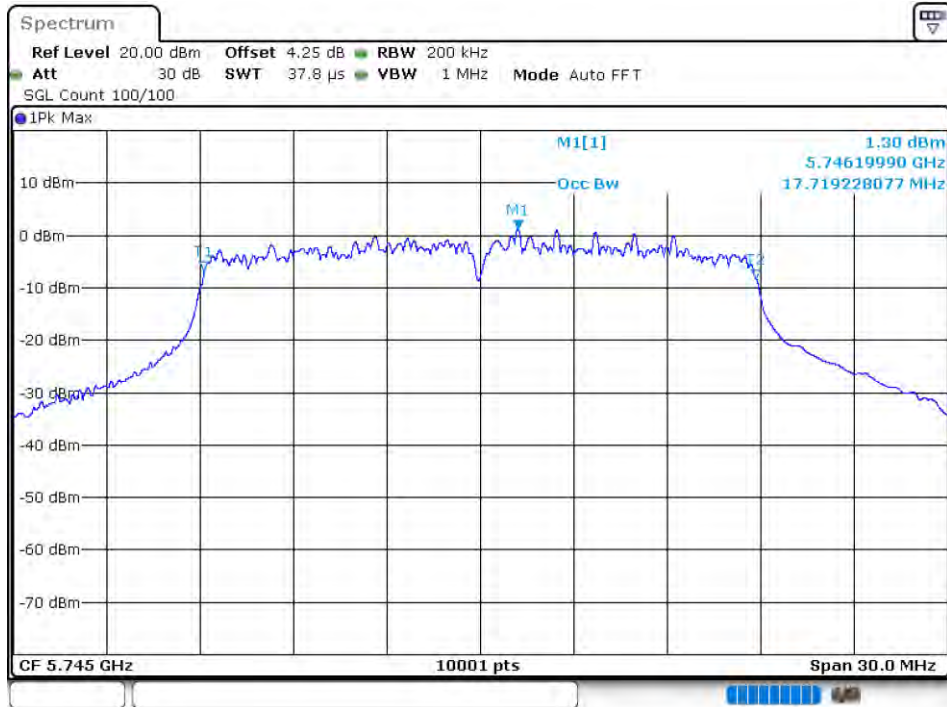
OBW NVNT n20 5745MHz Ant1



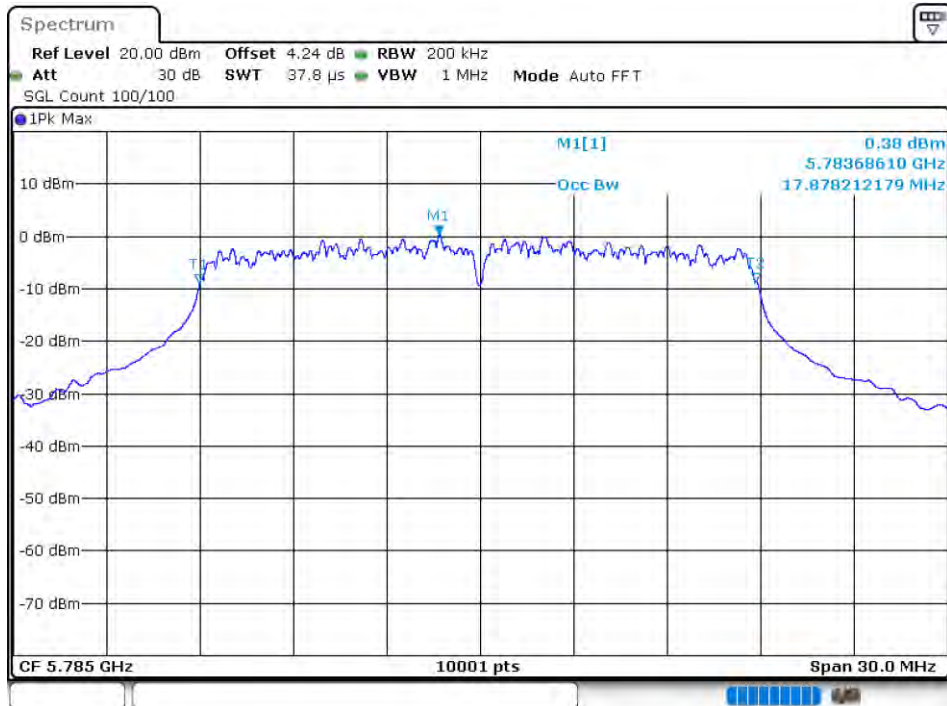




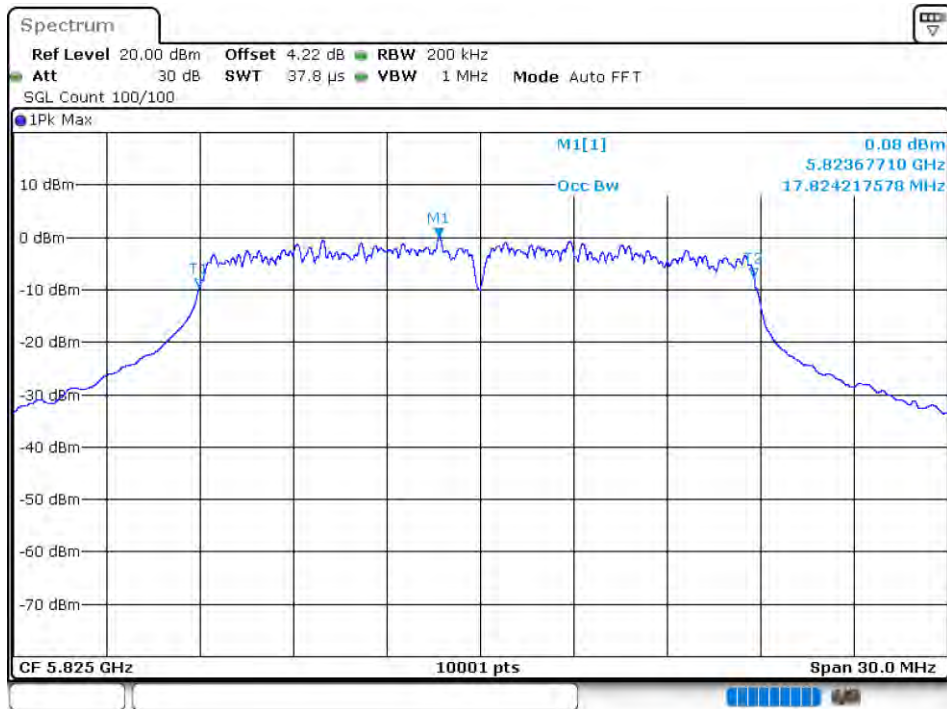
OBW NVNT ac20 5745MHz Ant1



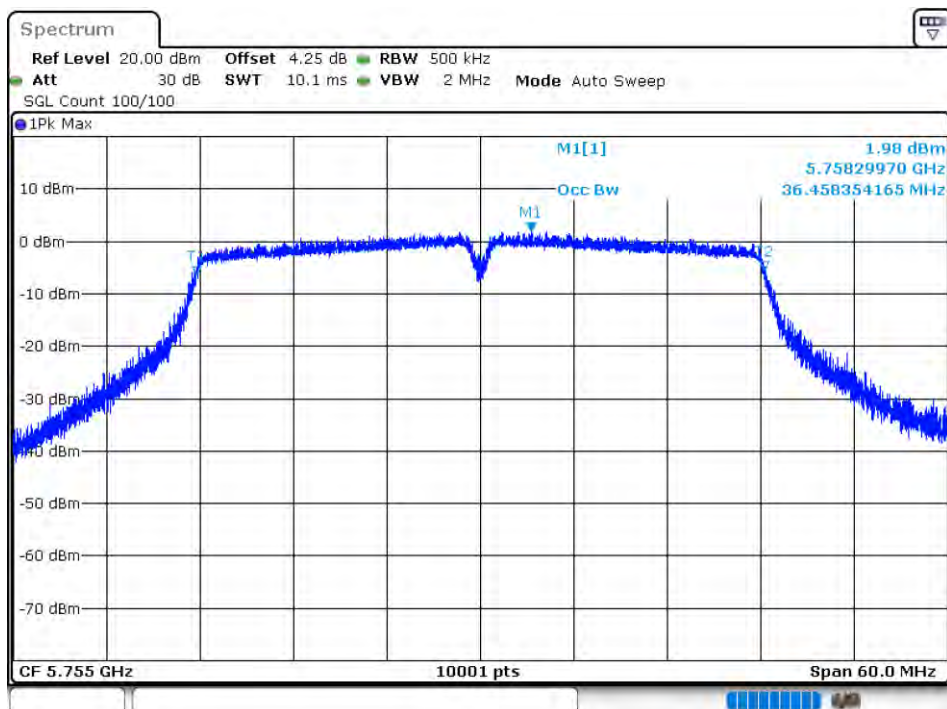
OBW NVNT ac20 5785MHz Ant1

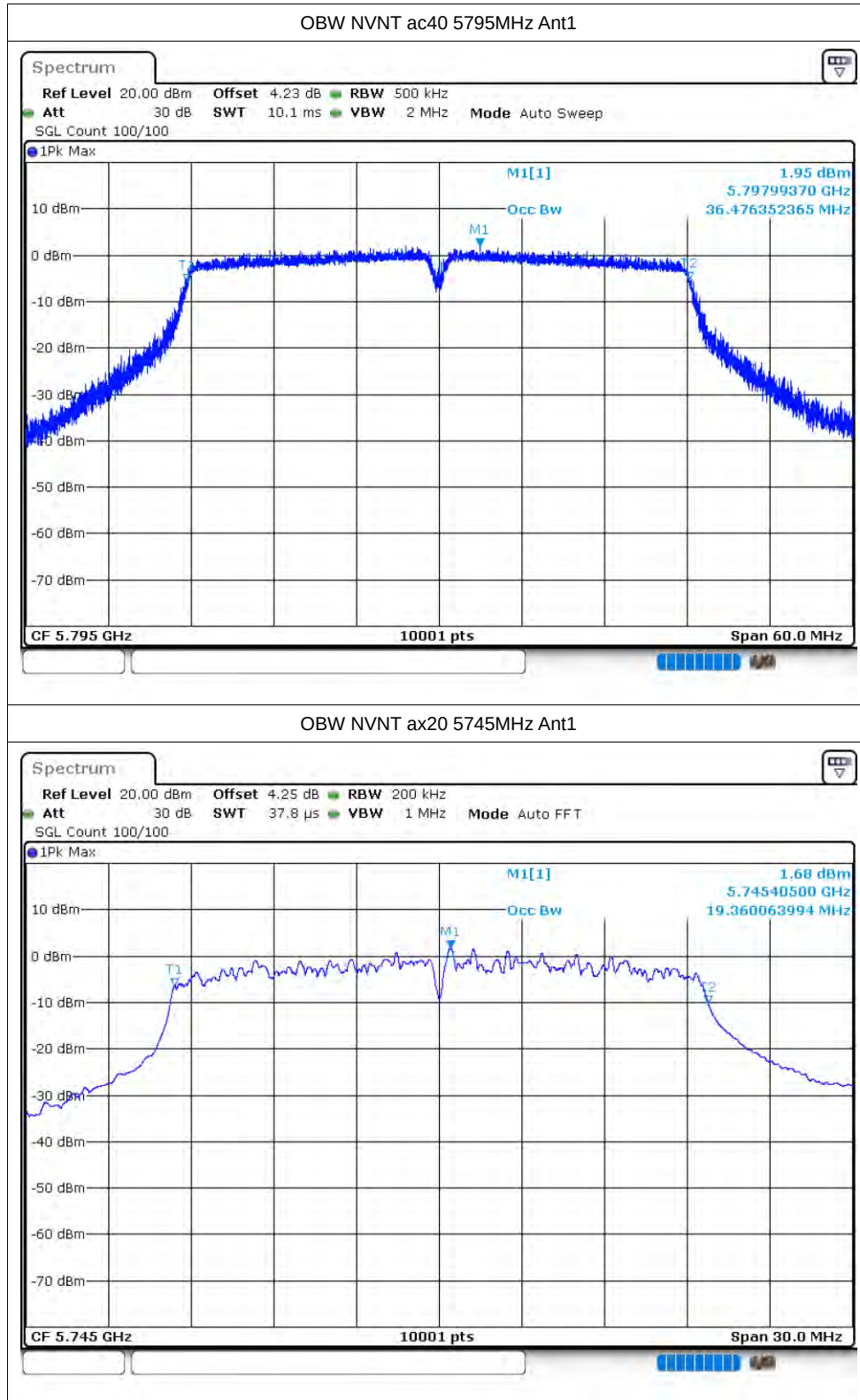


OBW NVNT ac20 5825MHz Ant1

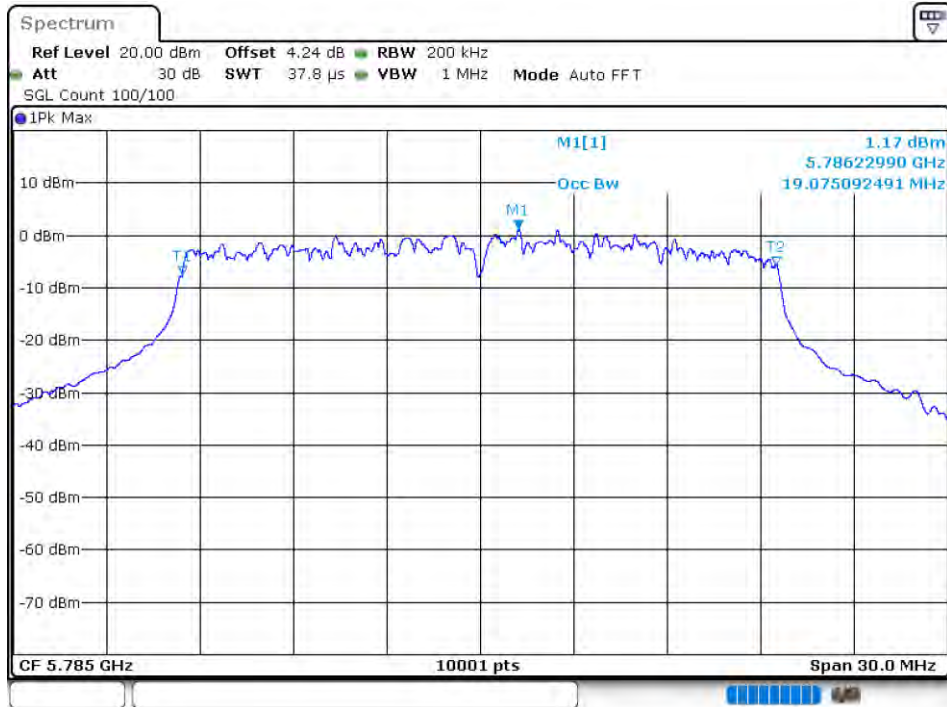


OBW NVNT ac40 5755MHz Ant1

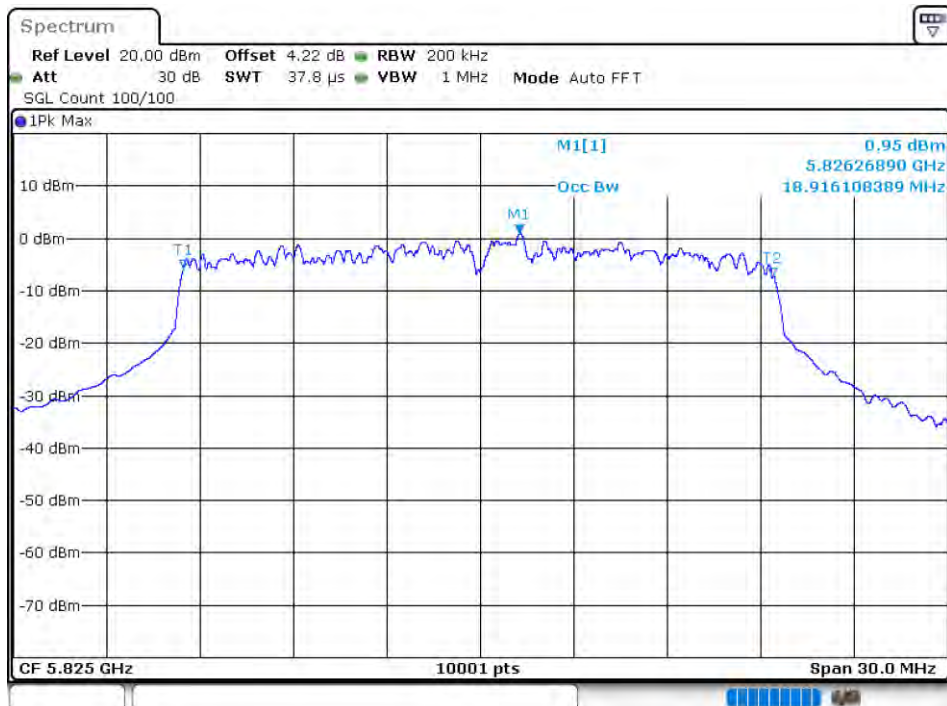


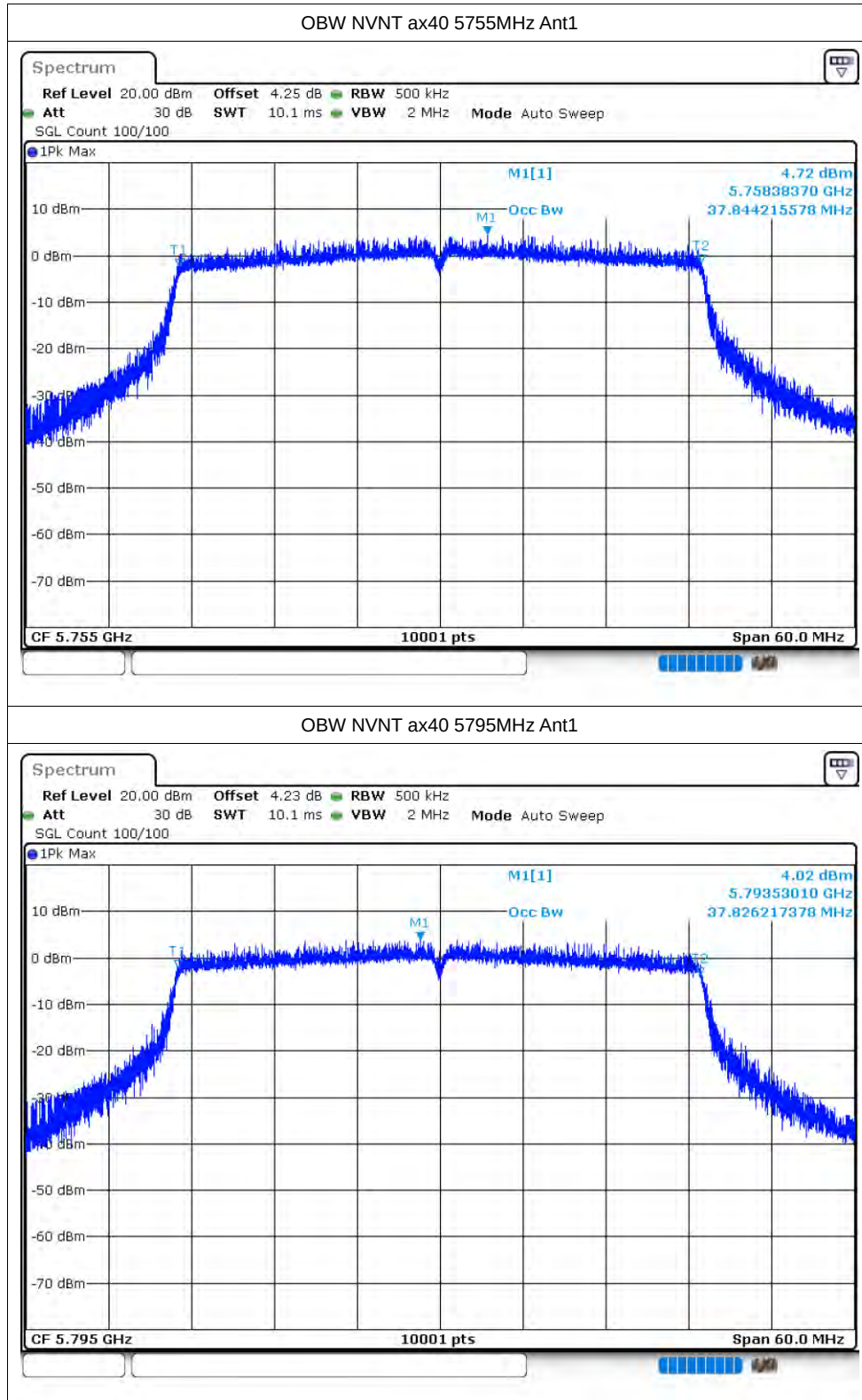


OBW NVNT ax20 5785MHz Ant1



OBW NVNT ax20 5825MHz Ant1



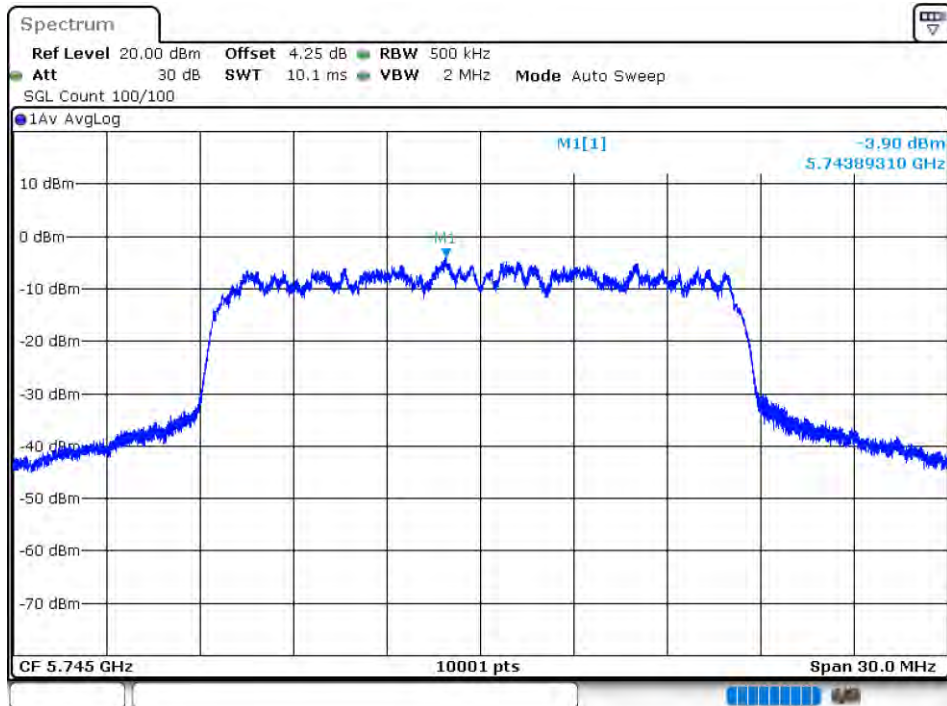


Maximum Power Spectral Density Level

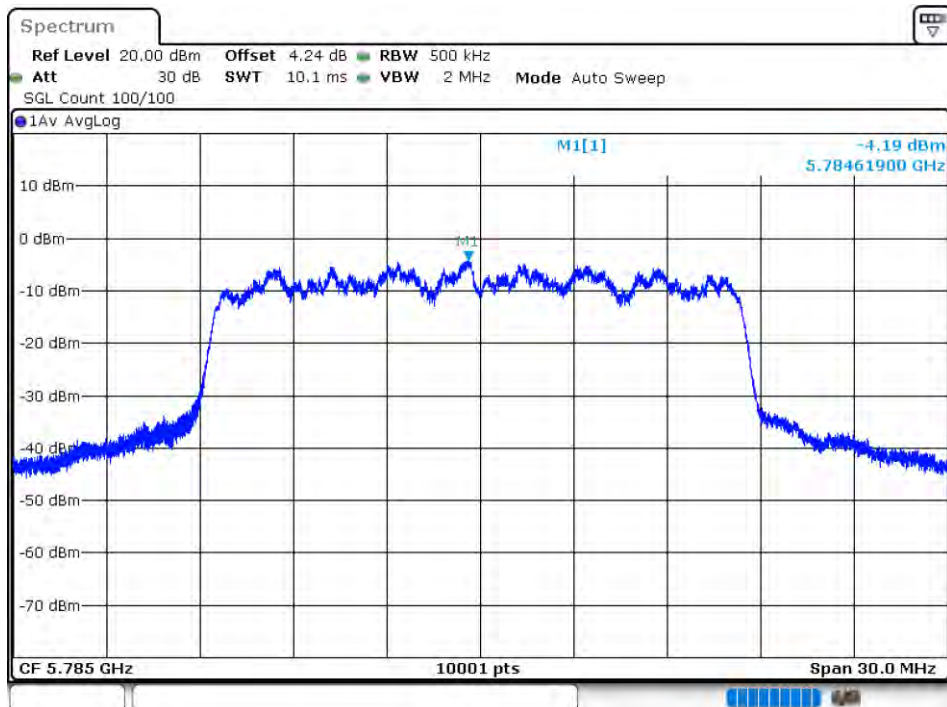
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
NVNT	a	5745	Ant1	-3.9	0.24	-3.66	30	Pass
NVNT	a	5785	Ant1	-4.19	0.21	-3.98	30	Pass
NVNT	a	5825	Ant1	-5.37	0.06	-5.31	30	Pass
NVNT	n20	5745	Ant1	-4.89	0.24	-4.65	30	Pass
NVNT	n20	5785	Ant1	-4.77	0.24	-4.53	30	Pass
NVNT	n20	5825	Ant1	-5.47	0.06	-5.41	30	Pass
NVNT	n40	5755	Ant1	-10.97	0.46	-10.51	30	Pass
NVNT	n40	5795	Ant1	-11.37	0.71	-10.66	30	Pass
NVNT	ac20	5745	Ant1	-4.81	0.25	-4.56	30	Pass
NVNT	ac20	5785	Ant1	-5.14	0.21	-4.93	30	Pass
NVNT	ac20	5825	Ant1	-4.9	0.24	-4.66	30	Pass
NVNT	ac40	5755	Ant1	-11.53	0.45	-11.08	30	Pass
NVNT	ac40	5795	Ant1	-11.25	0.65	-10.6	30	Pass
NVNT	ax20	5745	Ant1	-7.25	0.45	-6.8	30	Pass
NVNT	ax20	5785	Ant1	-7.26	0.46	-6.8	30	Pass
NVNT	ax20	5825	Ant1	-6.22	0.33	-5.89	30	Pass
NVNT	ax40	5755	Ant1	-12.28	0.8	-11.48	30	Pass
NVNT	ax40	5795	Ant1	-11.19	0.82	-10.37	30	Pass

Test Graphs

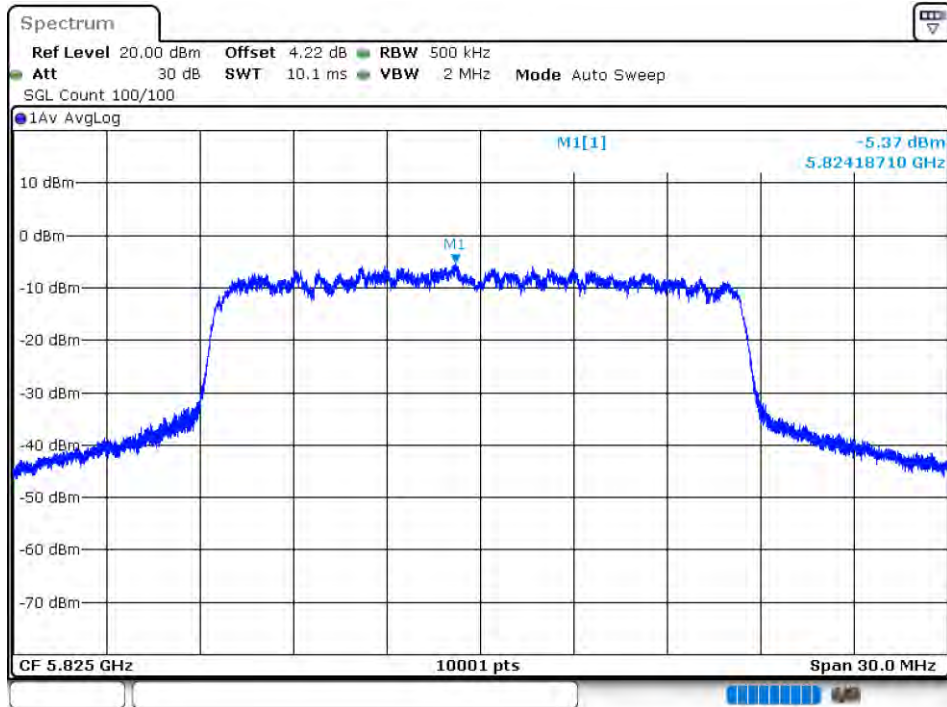
PSD NVNT a 5745MHz Ant1



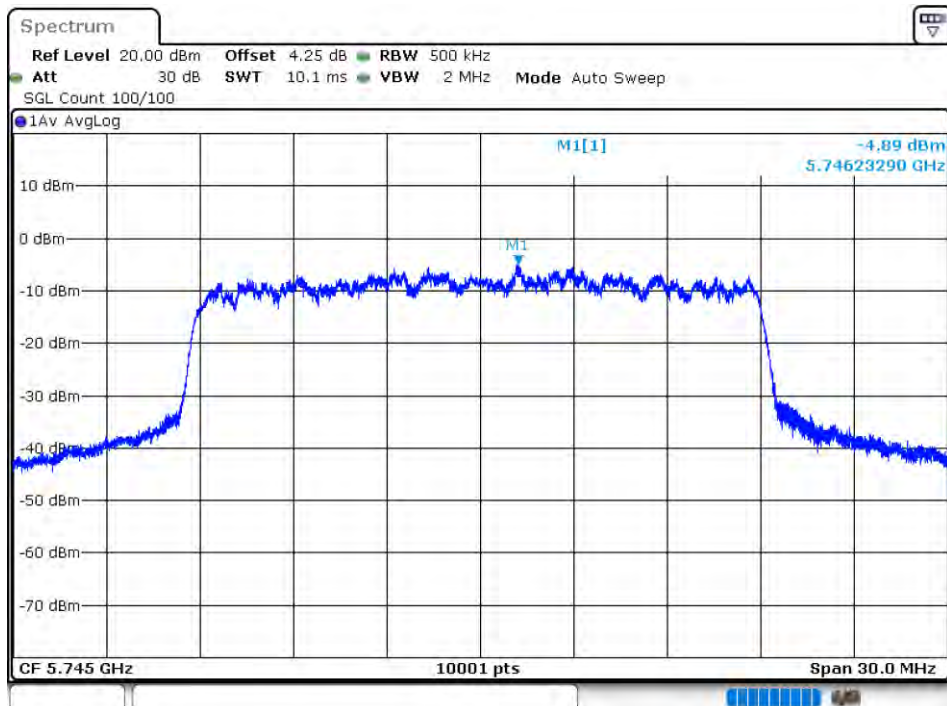
PSD NVNT a 5785MHz Ant1

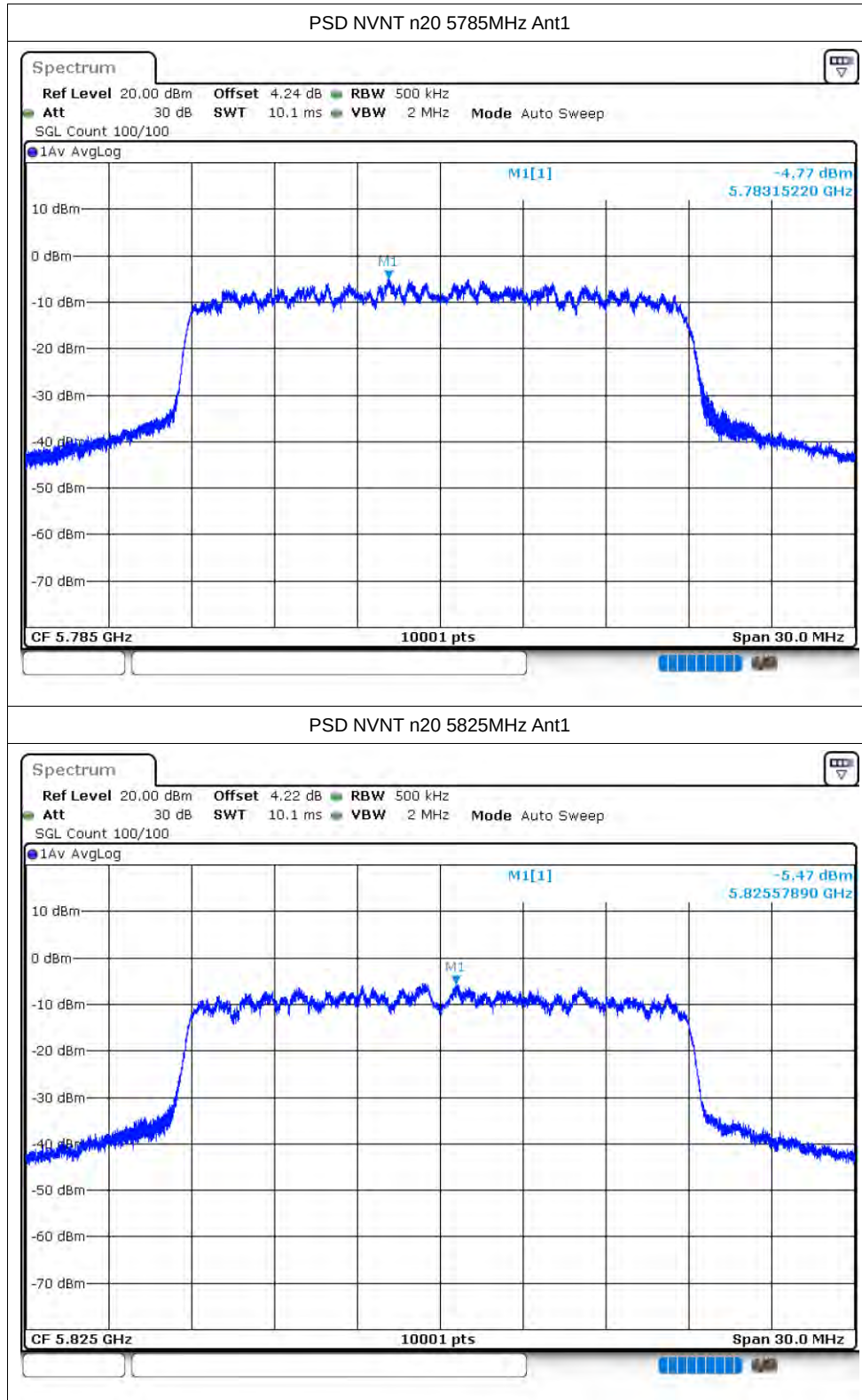


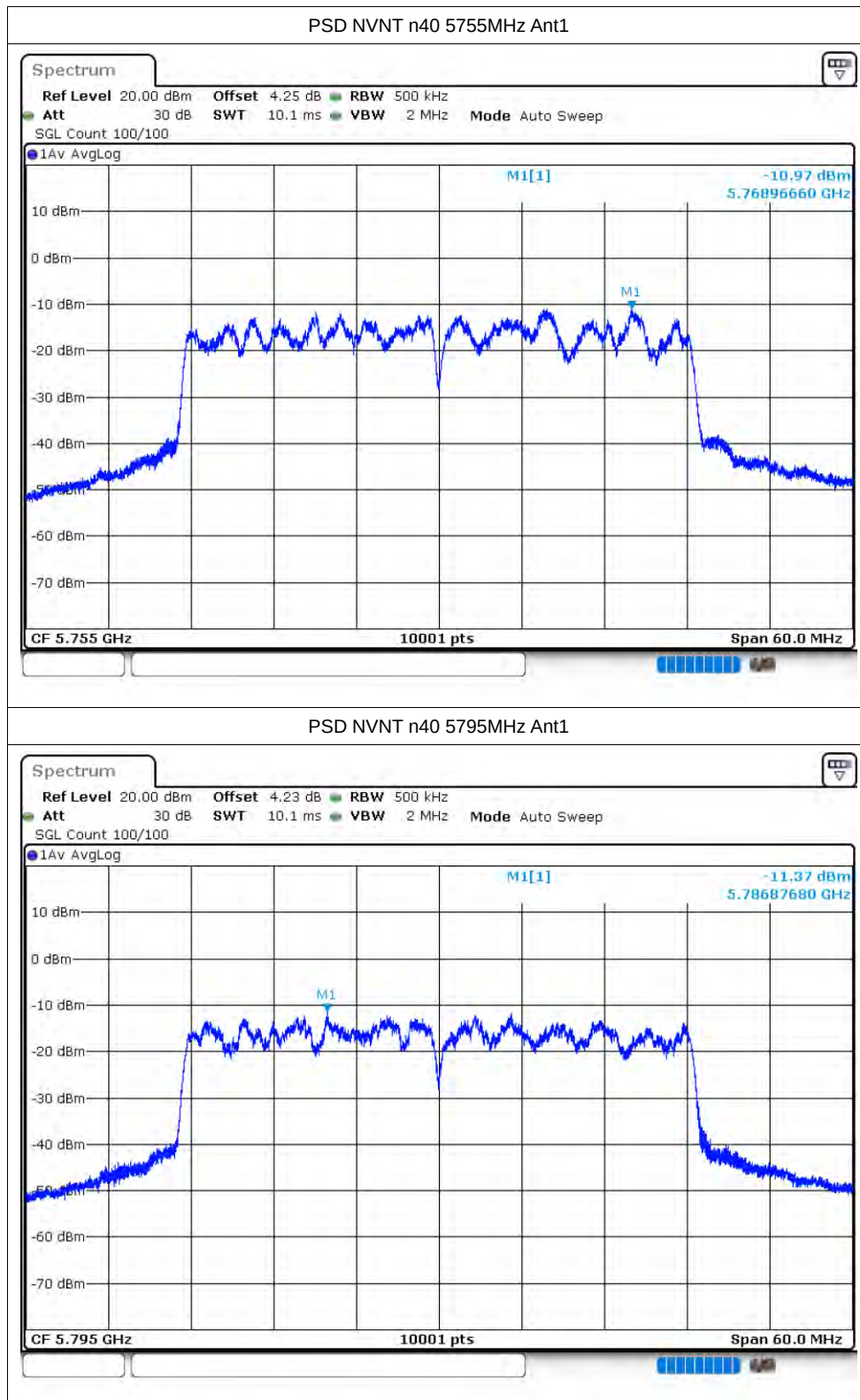
PSD NVNT a 5825MHz Ant1



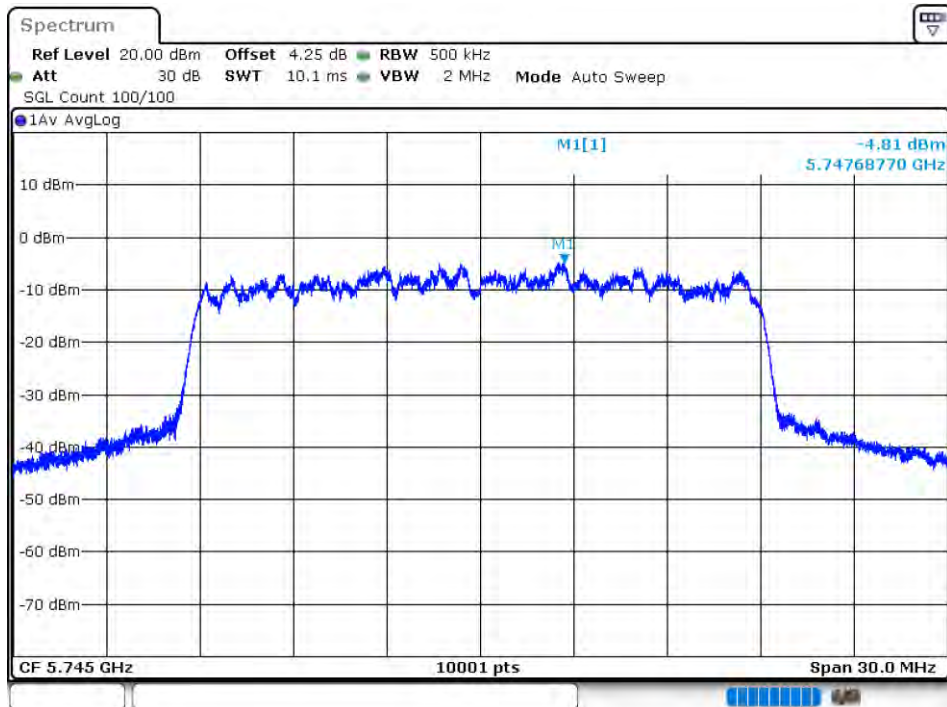
PSD NVNT n20 5745MHz Ant1







PSD NVNT ac20 5745MHz Ant1



PSD NVNT ac20 5785MHz Ant1

