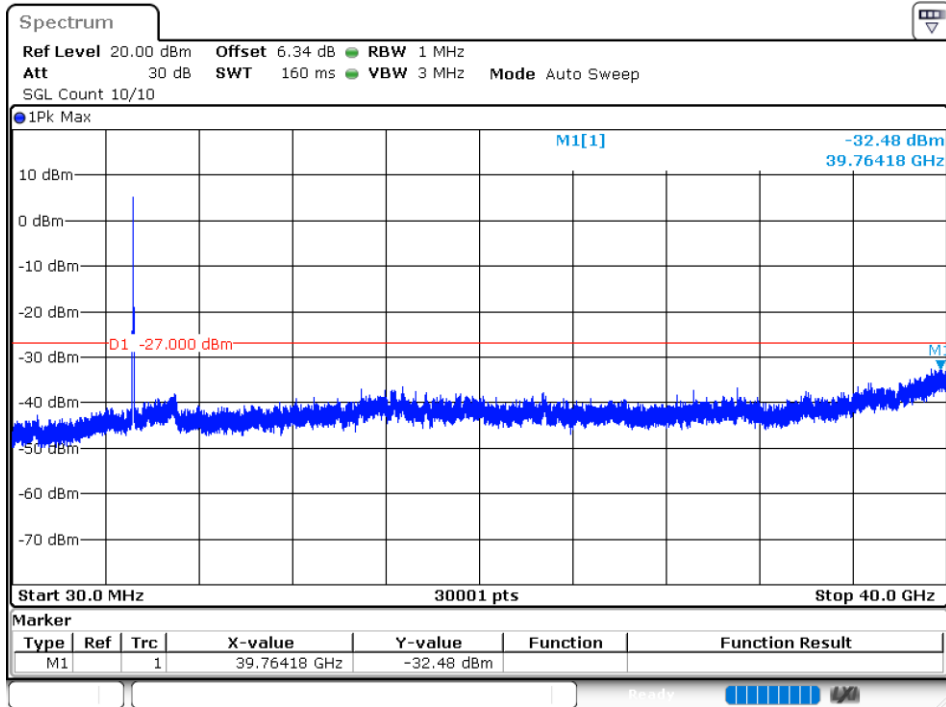
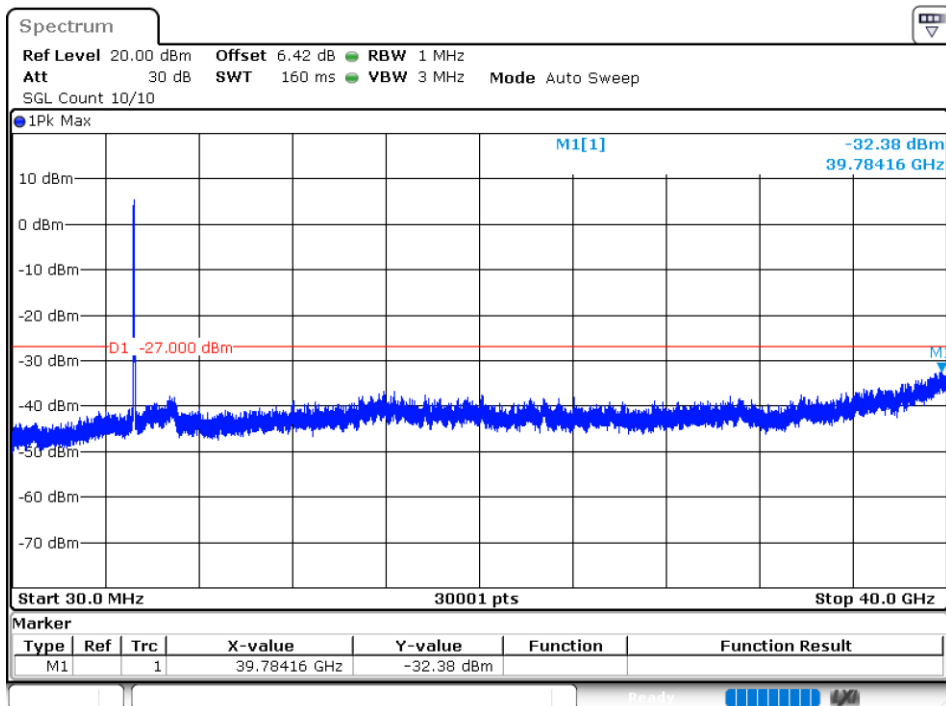
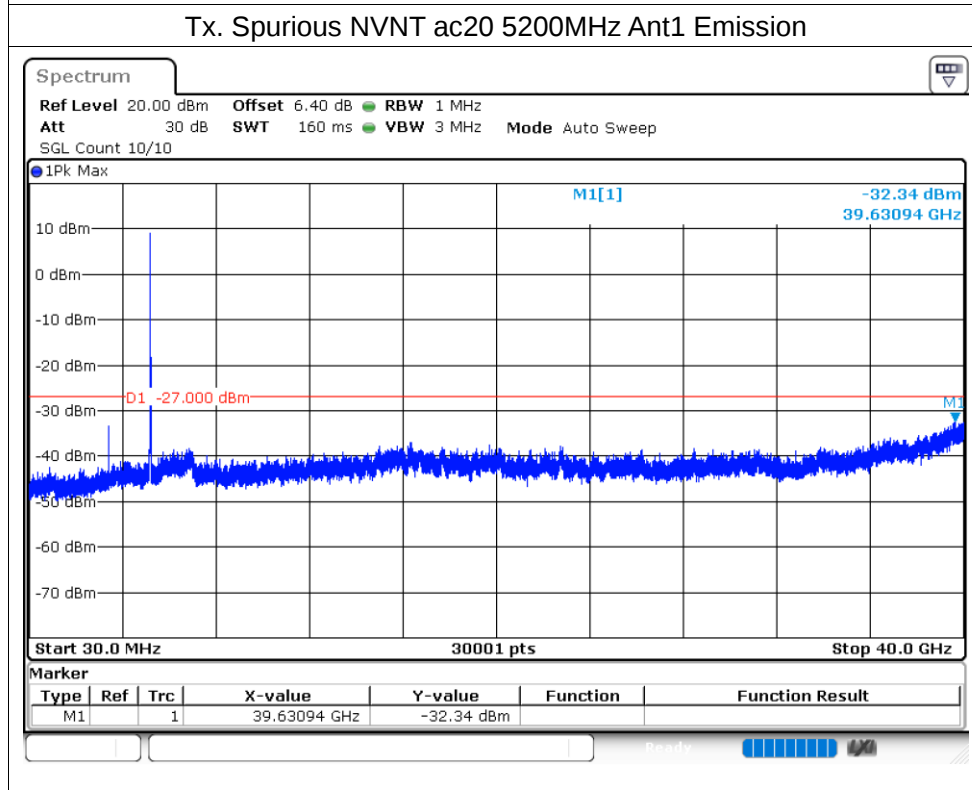
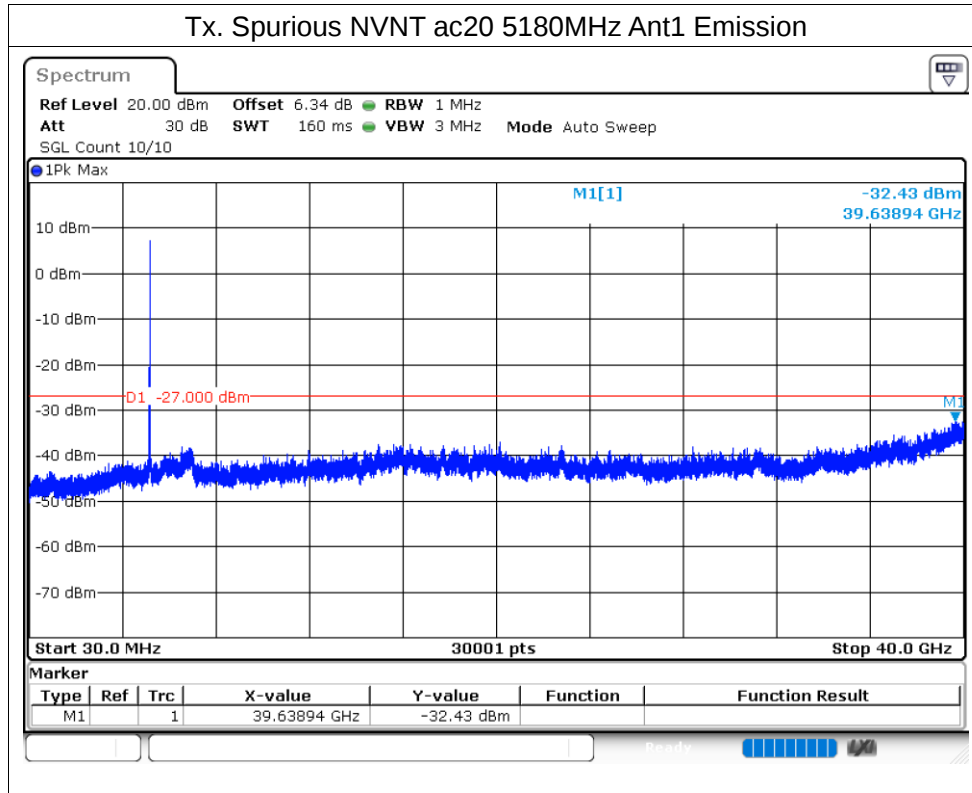


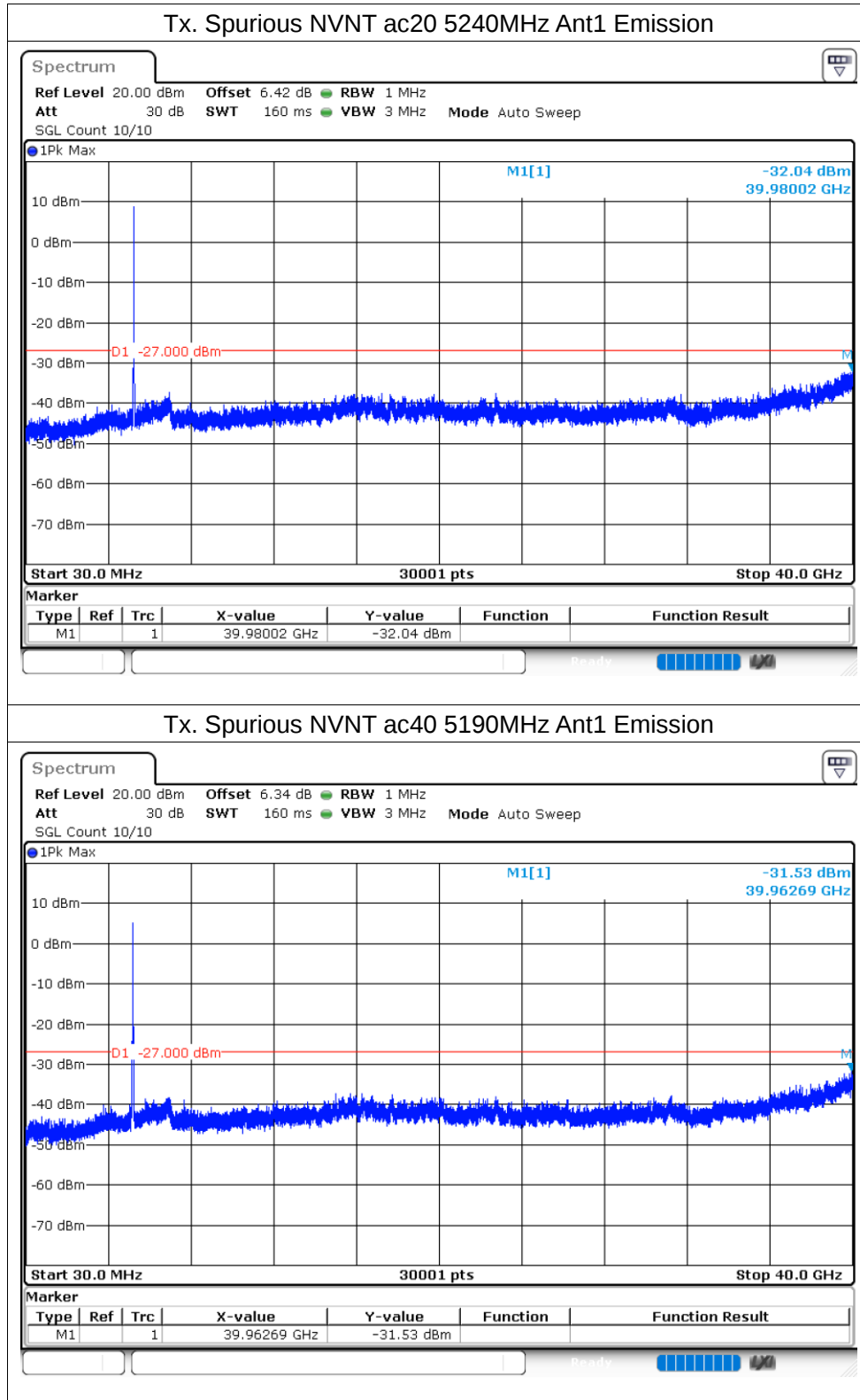
Tx. Spurious NVNT n40 5190MHz Ant1 Emission

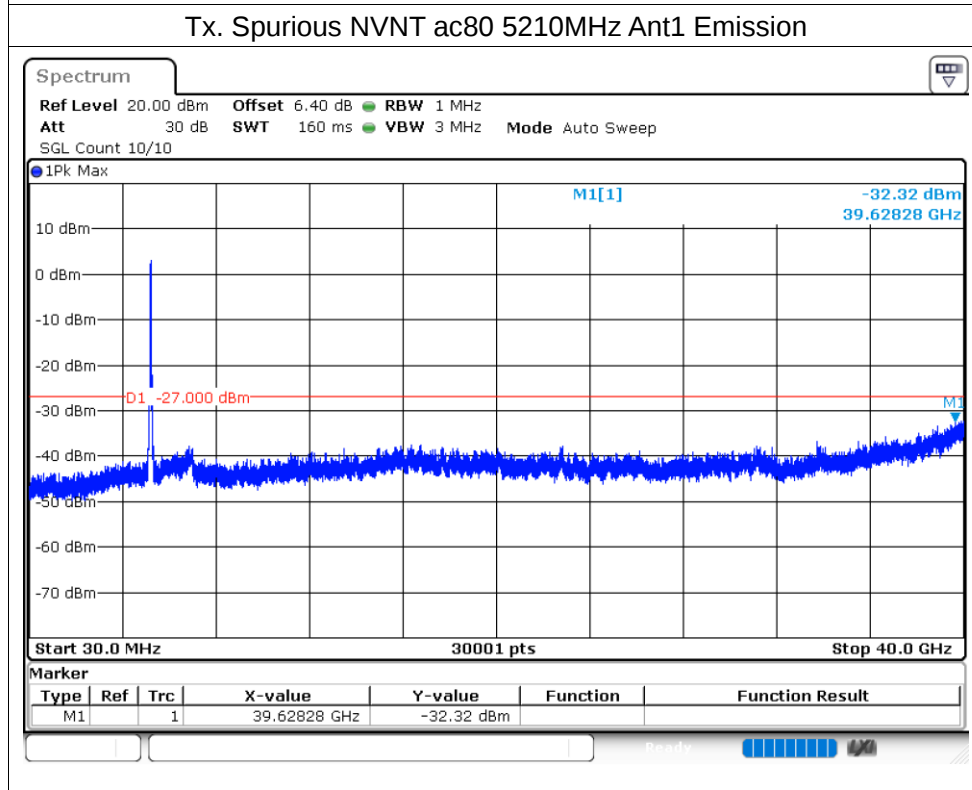
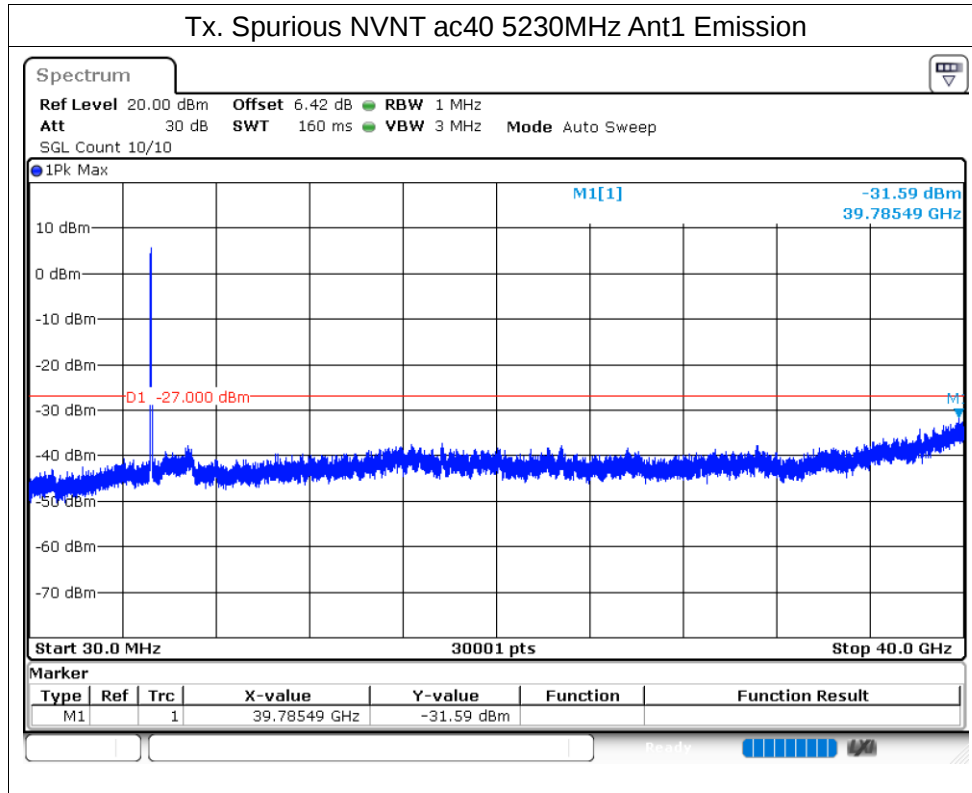


Tx. Spurious NVNT n40 5230MHz Ant1 Emission









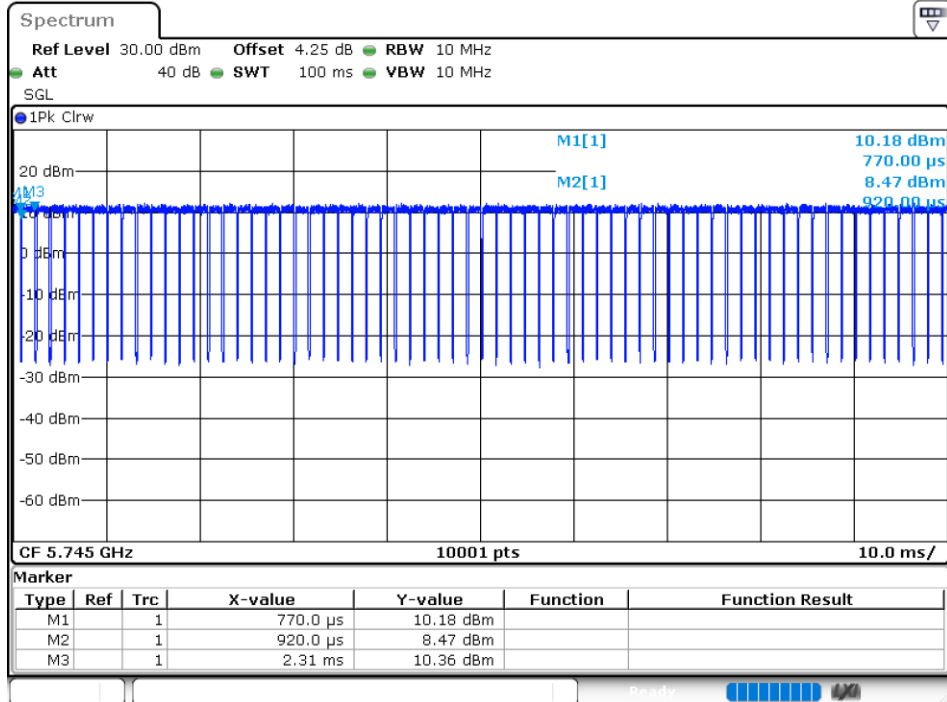
5.8G WIFI:

Duty Cycle

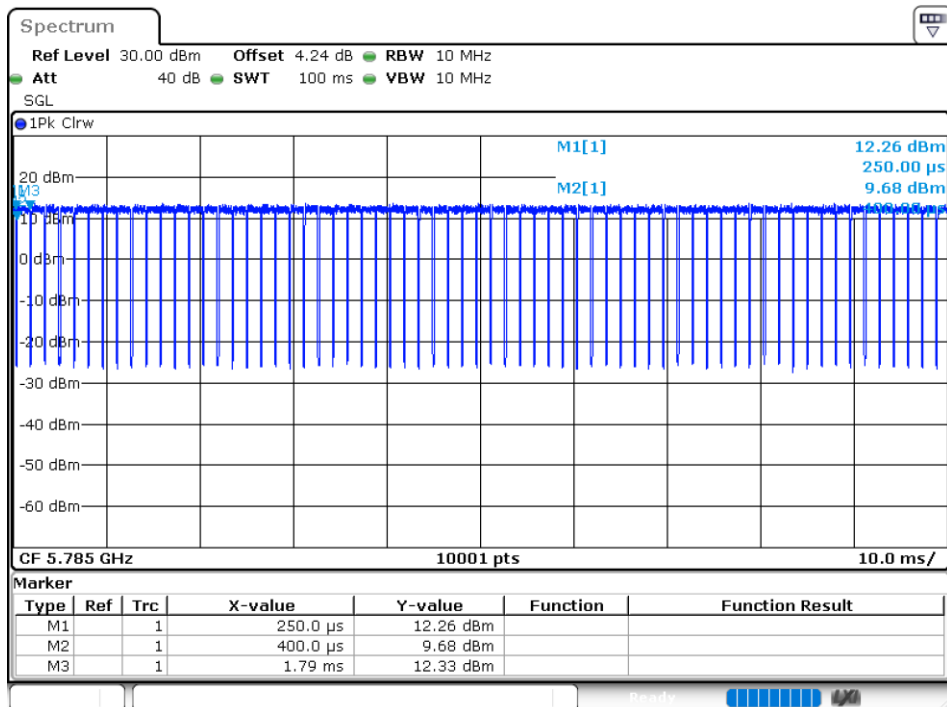
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	90.75	0.42	0.72
NVNT	a	5785	Ant1	90.83	0.42	0.72
NVNT	a	5825	Ant1	90.79	0.42	0.72
NVNT	n20	5745	Ant1	89.4	0.49	0.85
NVNT	n20	5785	Ant1	89.41	0.49	0.85
NVNT	n20	5825	Ant1	97.51	0.11	0.85
NVNT	n40	5755	Ant1	81.19	0.9	1.72
NVNT	n40	5795	Ant1	80.86	0.92	1.72
NVNT	ac20	5745	Ant1	89.29	0.49	0.85
NVNT	ac20	5785	Ant1	89.11	0.5	0.85
NVNT	ac20	5825	Ant1	89.28	0.49	0.85
NVNT	ac40	5755	Ant1	80.64	0.93	1.69
NVNT	ac40	5795	Ant1	80.65	0.93	1.69
NVNT	ac80	5775	Ant1	68.66	1.63	3.33

Test Graphs

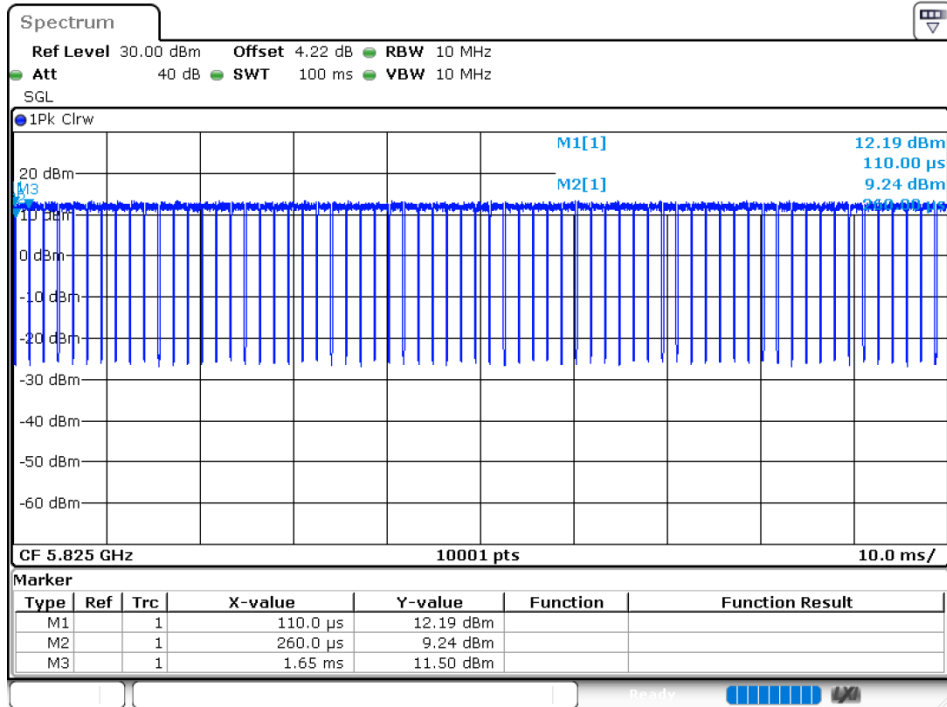
Duty Cycle NVNT a 5745MHz Ant1



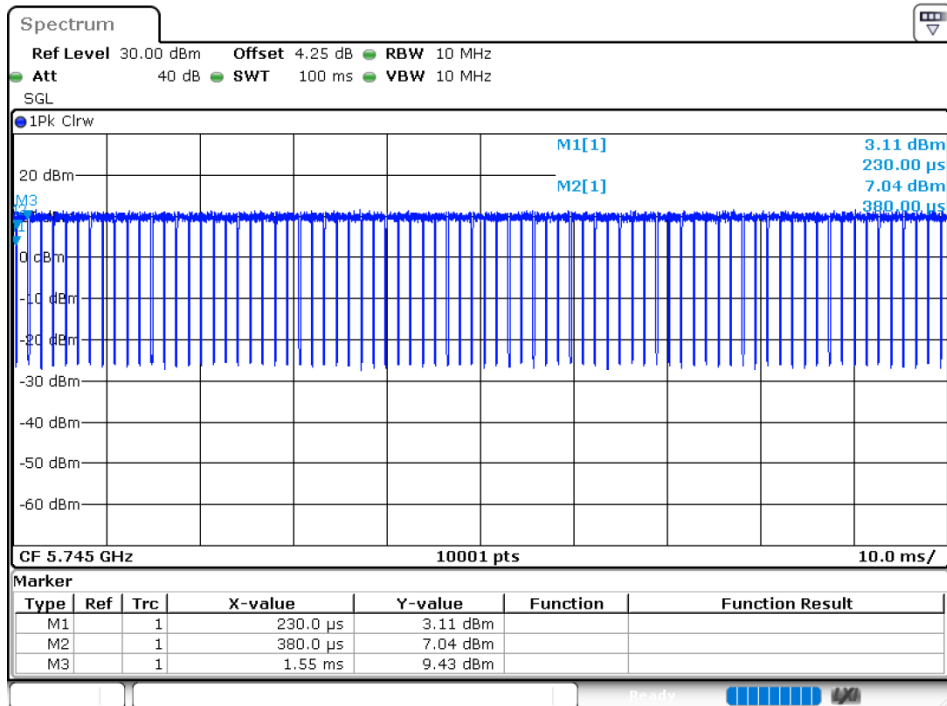
Duty Cycle NVNT a 5785MHz Ant1



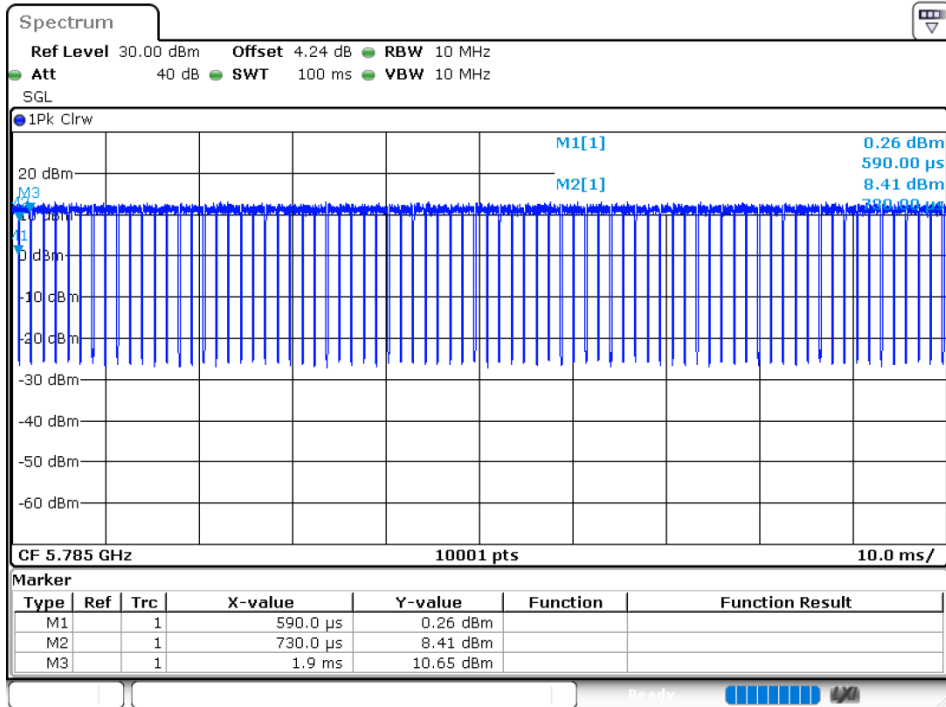
Duty Cycle NVNT a 5825MHz Ant1



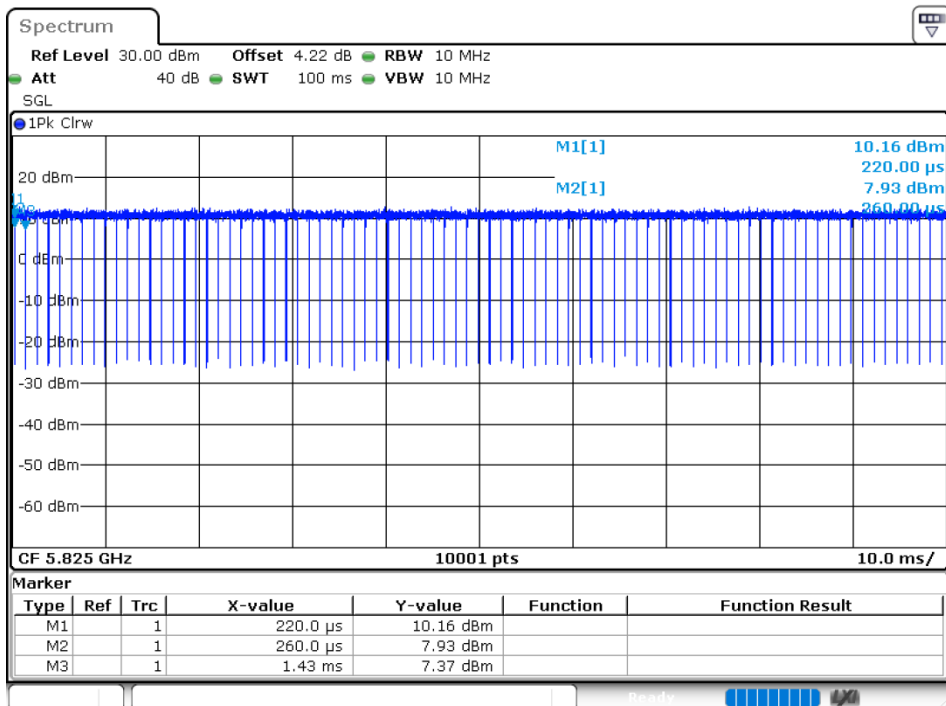
Duty Cycle NVNT n20 5745MHz Ant1



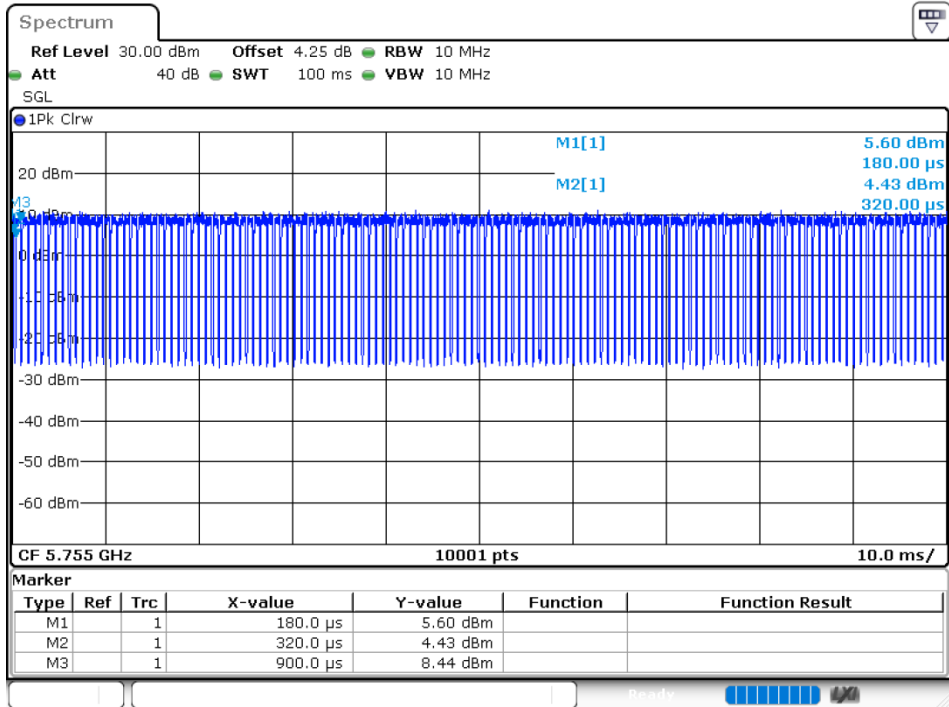
Duty Cycle NVNT n20 5785MHz Ant1



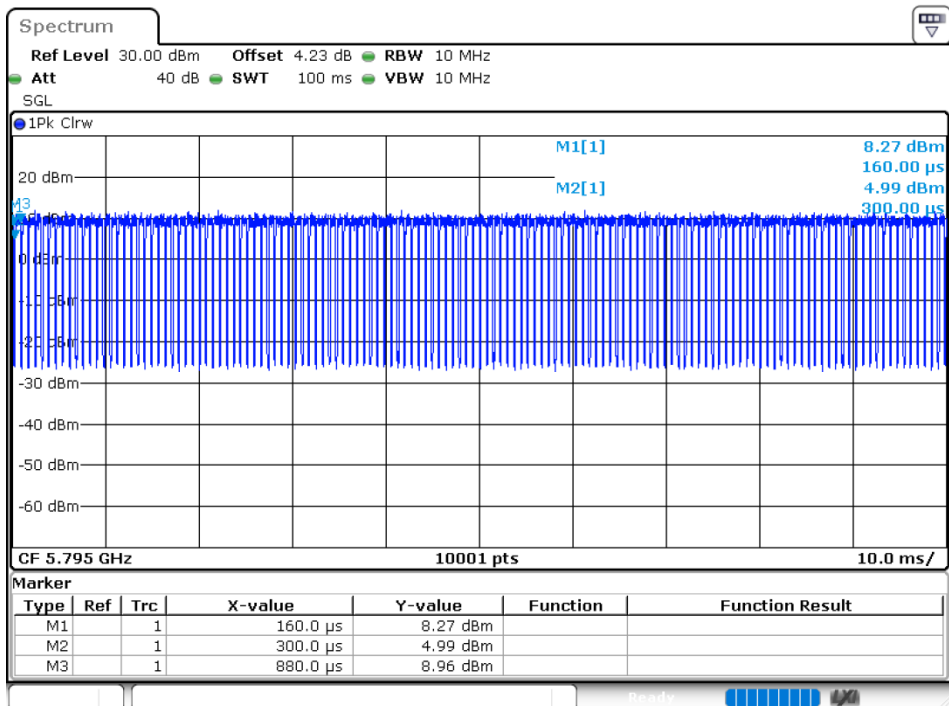
Duty Cycle NVNT n20 5825MHz Ant1



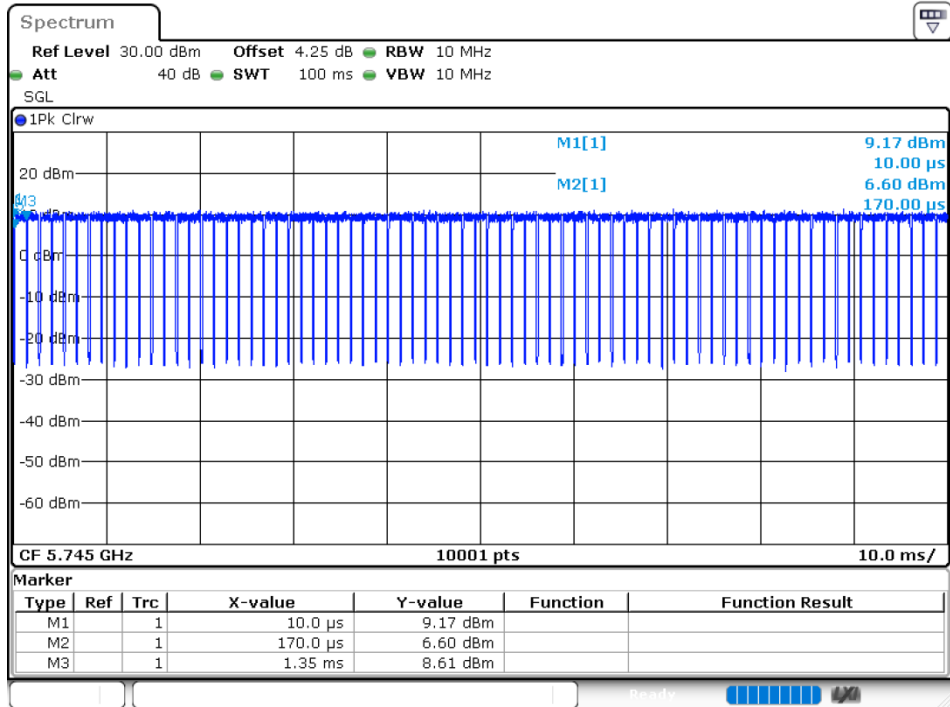
Duty Cycle NVNT n40 5755MHz Ant1



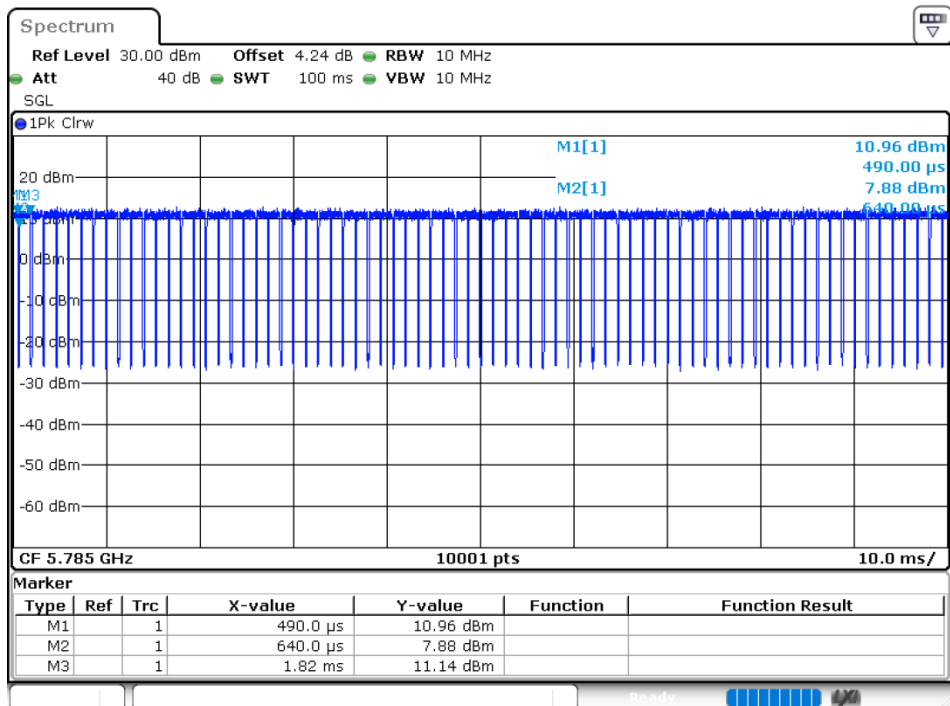
Duty Cycle NVNT n40 5795MHz Ant1



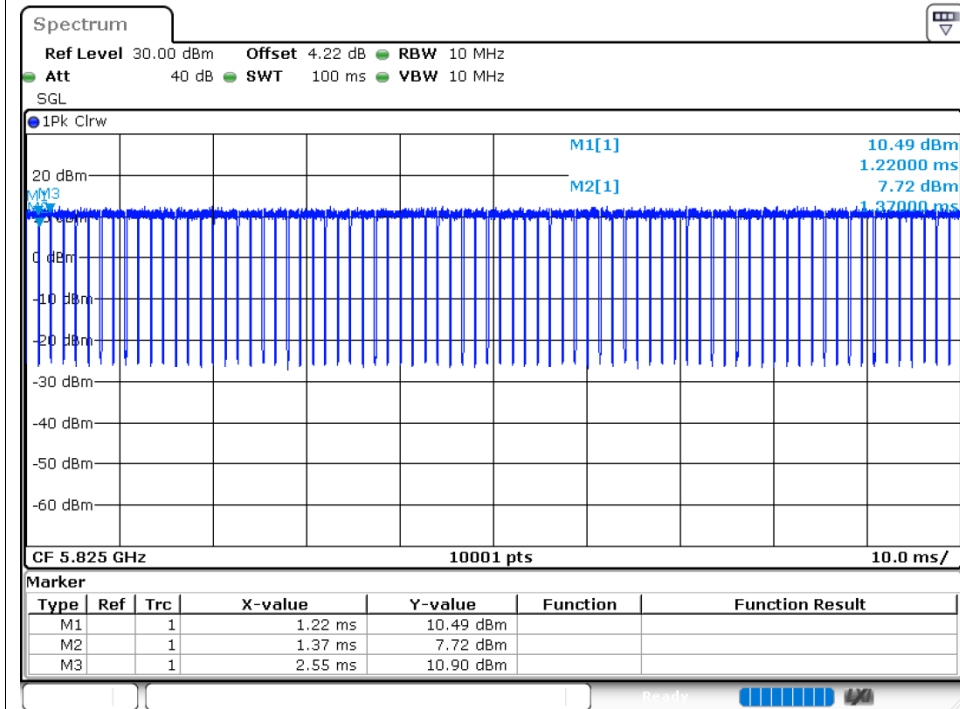
Duty Cycle NVNT ac20 5745MHz Ant1



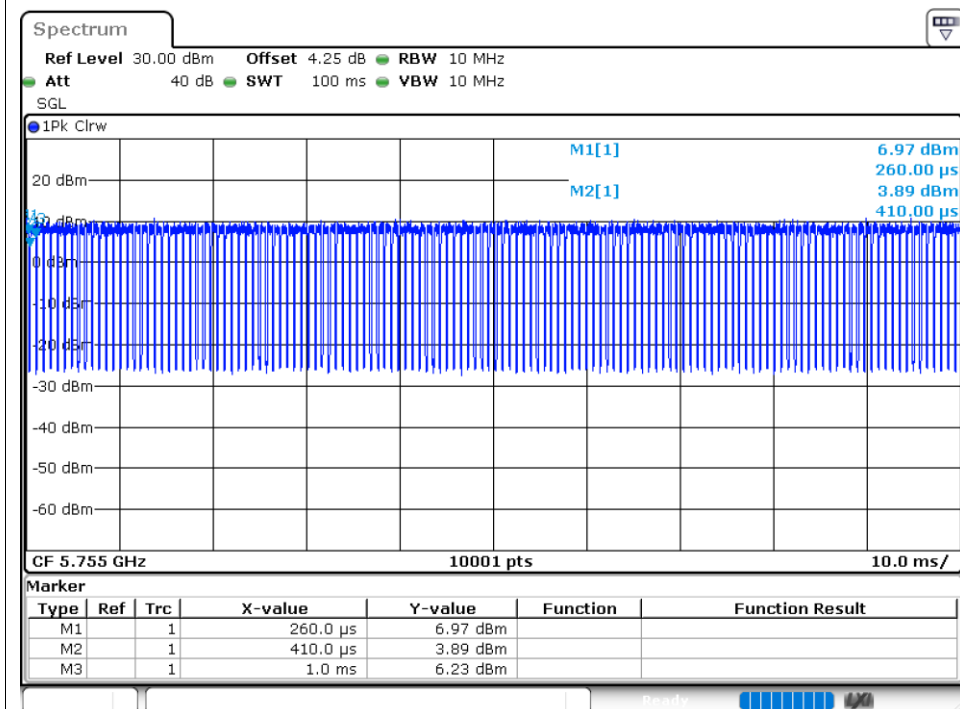
Duty Cycle NVNT ac20 5785MHz Ant1



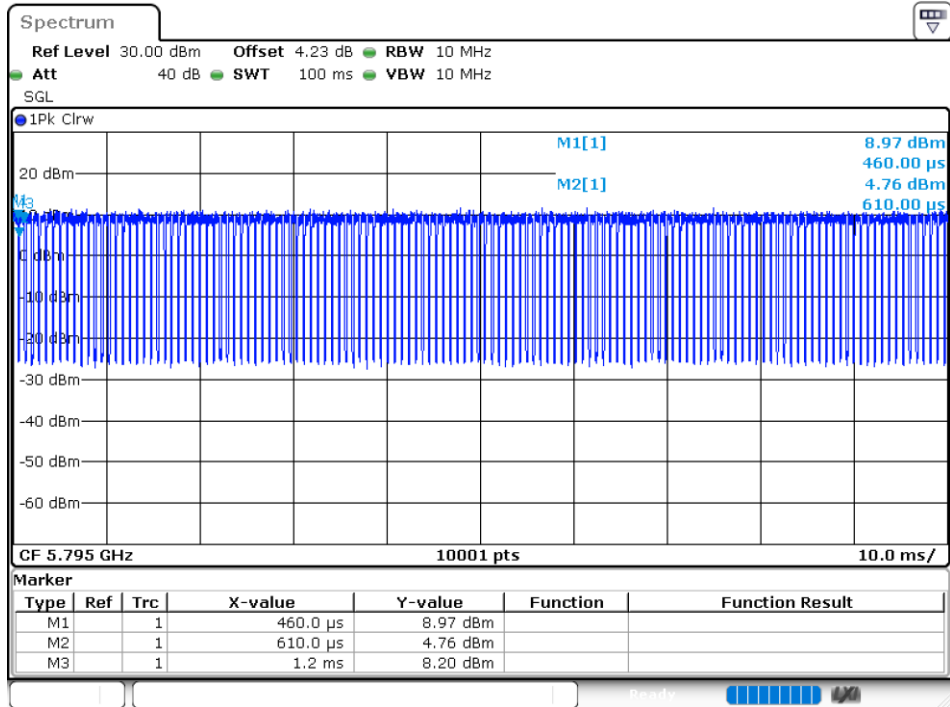
Duty Cycle NVNT ac20 5825MHz Ant1



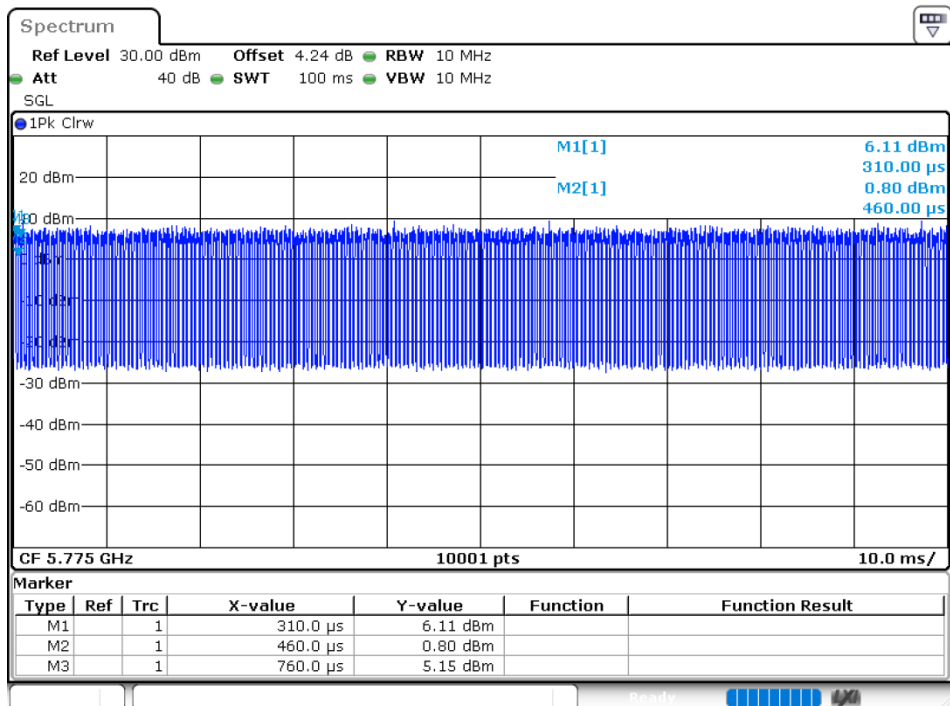
Duty Cycle NVNT ac40 5755MHz Ant1



Duty Cycle NVNT ac40 5795MHz Ant1



Duty Cycle NVNT ac80 5775MHz Ant1



Maximum Conducted Output Power

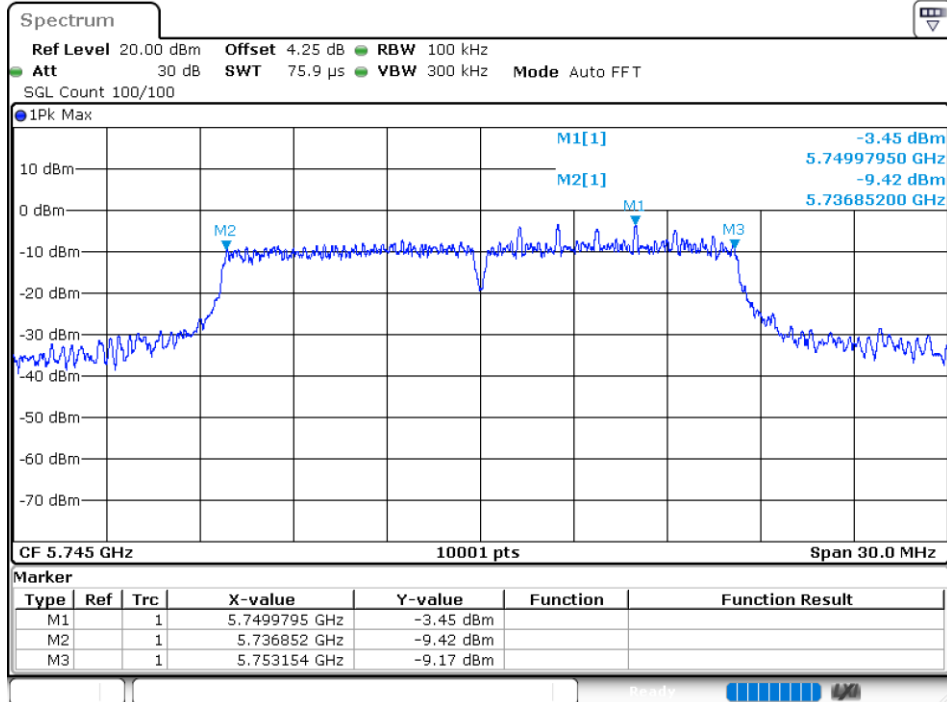
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	7.85	30	Pass
NVNT	a	5785	Ant1	8.45	30	Pass
NVNT	a	5825	Ant1	8.61	30	Pass
NVNT	n20	5745	Ant1	7.09	30	Pass
NVNT	n20	5785	Ant1	7.07	30	Pass
NVNT	n20	5825	Ant1	7.33	30	Pass
NVNT	n40	5755	Ant1	7.02	30	Pass
NVNT	n40	5795	Ant1	7.68	30	Pass
NVNT	ac20	5745	Ant1	6.19	30	Pass
NVNT	ac20	5785	Ant1	6.92	30	Pass
NVNT	ac20	5825	Ant1	7.04	30	Pass
NVNT	ac40	5755	Ant1	6.56	30	Pass
NVNT	ac40	5795	Ant1	7.43	30	Pass
NVNT	ac80	5775	Ant1	7.16	30	Pass

-6dB Bandwidth

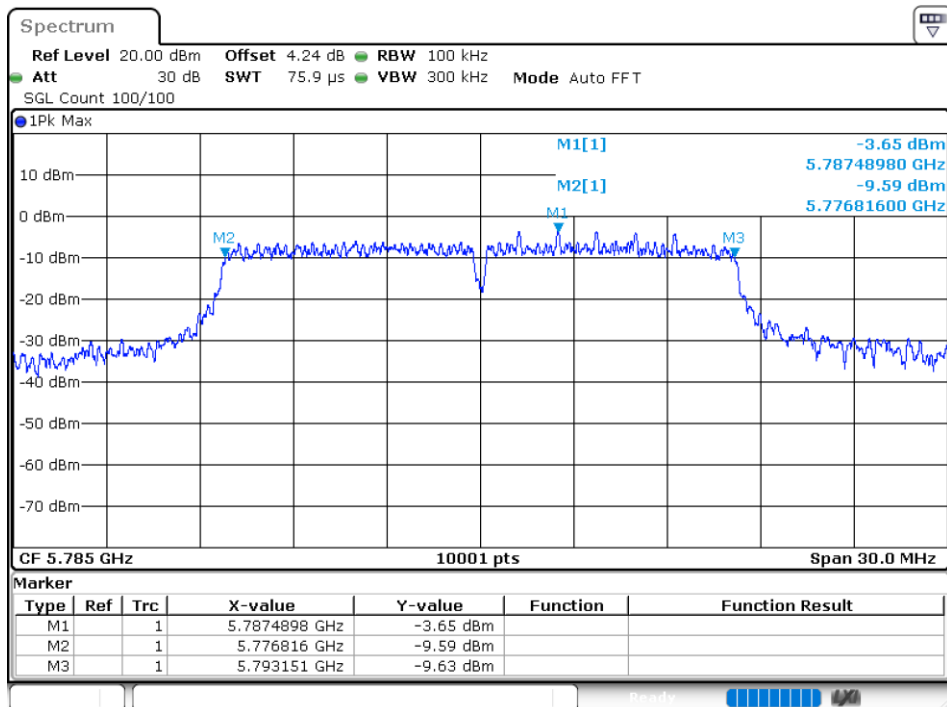
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.302	0.5	Pass
NVNT	a	5785	Ant1	16.335	0.5	Pass
NVNT	a	5825	Ant1	16.539	0.5	Pass
NVNT	n20	5745	Ant1	17.247	0.5	Pass
NVNT	n20	5785	Ant1	17.58	0.5	Pass
NVNT	n20	5825	Ant1	16.986	0.5	Pass
NVNT	n40	5755	Ant1	35.634	0.5	Pass
NVNT	n40	5795	Ant1	35.994	0.5	Pass
NVNT	ac20	5745	Ant1	17.574	0.5	Pass
NVNT	ac20	5785	Ant1	17.397	0.5	Pass
NVNT	ac20	5825	Ant1	16.827	0.5	Pass
NVNT	ac40	5755	Ant1	35.616	0.5	Pass
NVNT	ac40	5795	Ant1	35.142	0.5	Pass
NVNT	ac80	5775	Ant1	75.108	0.5	Pass

Test Graphs

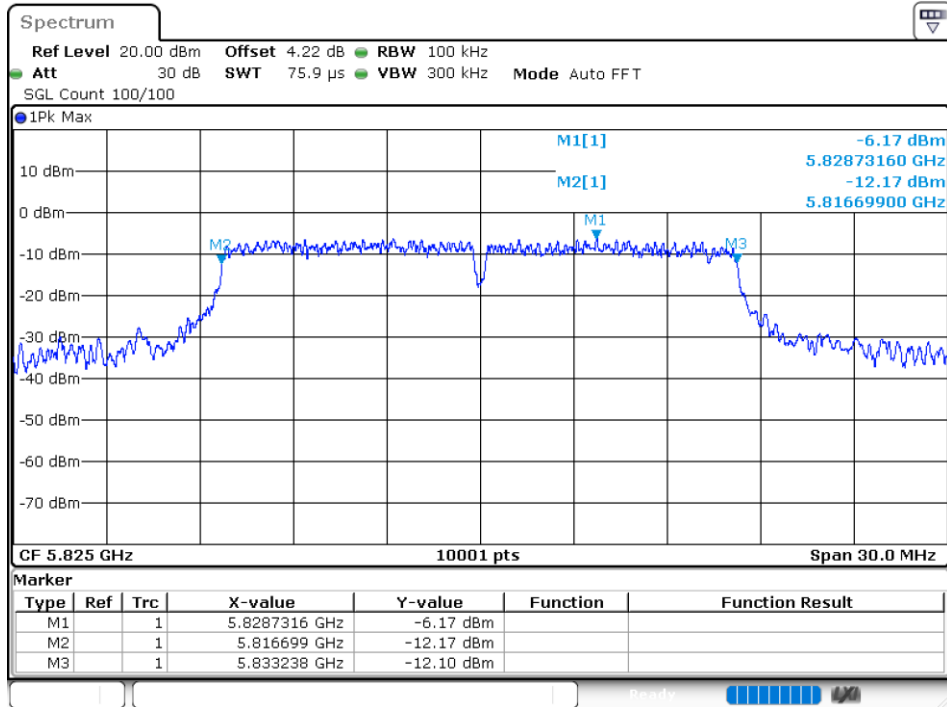
-6dB Bandwidth NVNT a 5745MHz Ant1



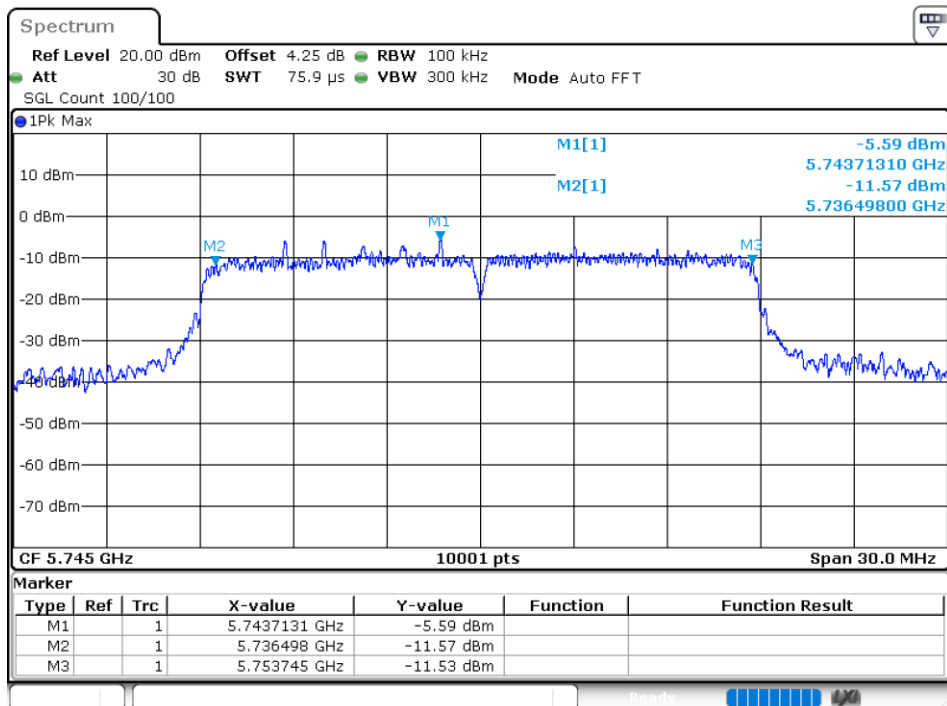
-6dB Bandwidth NVNT a 5785MHz Ant1



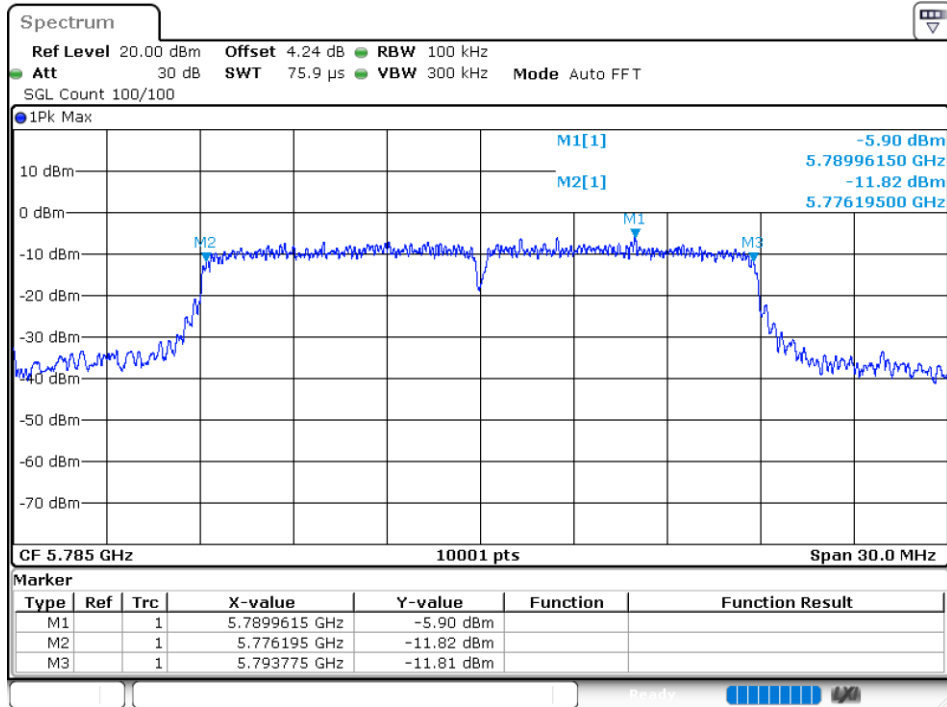
-6dB Bandwidth NVNT a 5825MHz Ant1



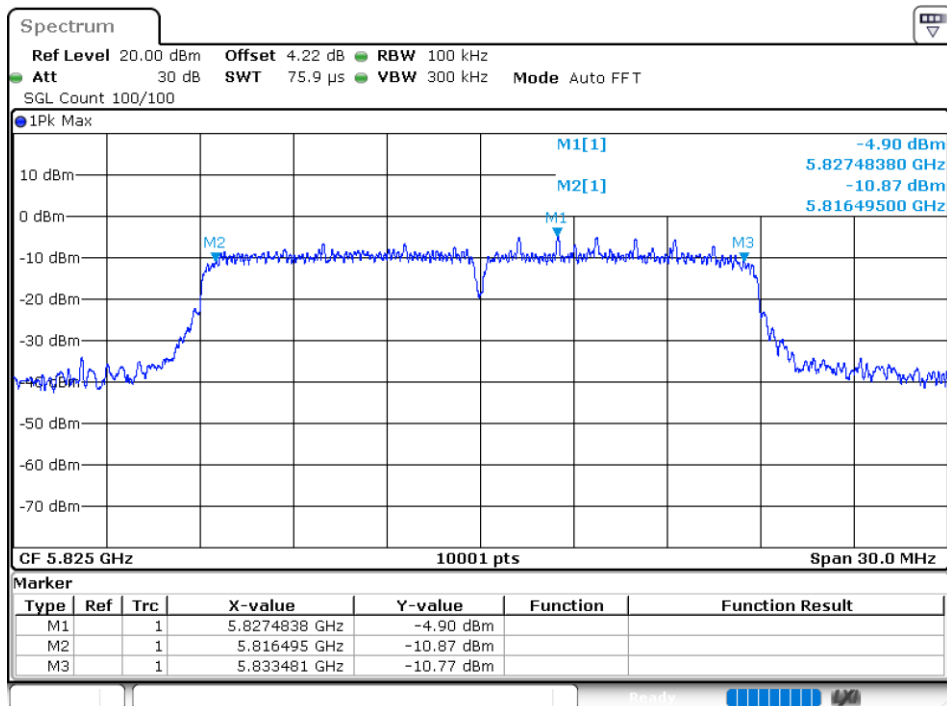
-6dB Bandwidth NVNT n20 5745MHz Ant1



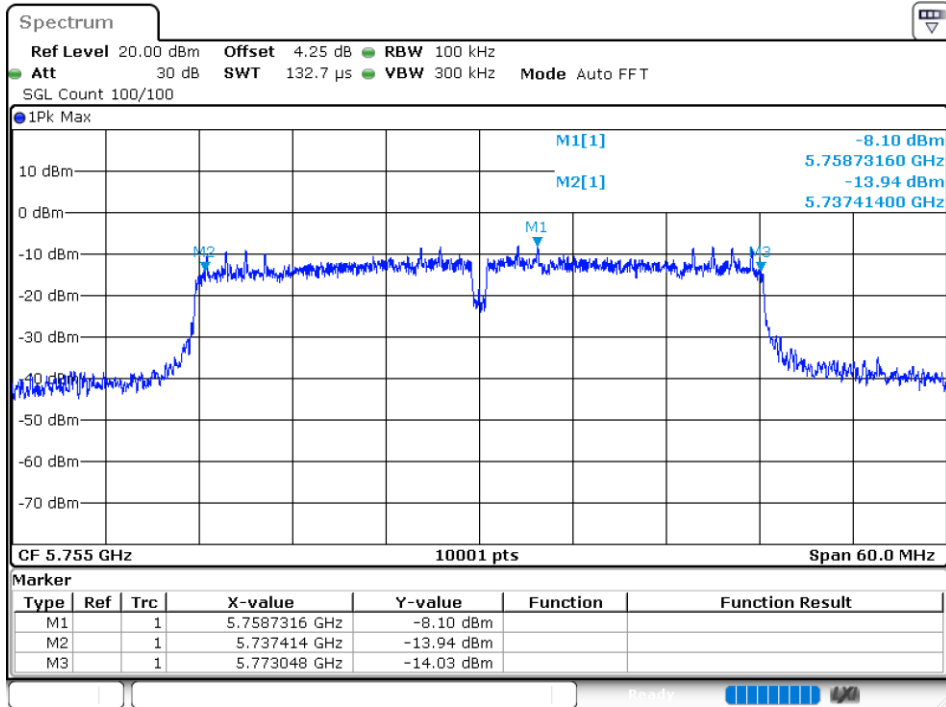
-6dB Bandwidth NVNT n20 5785MHz Ant1



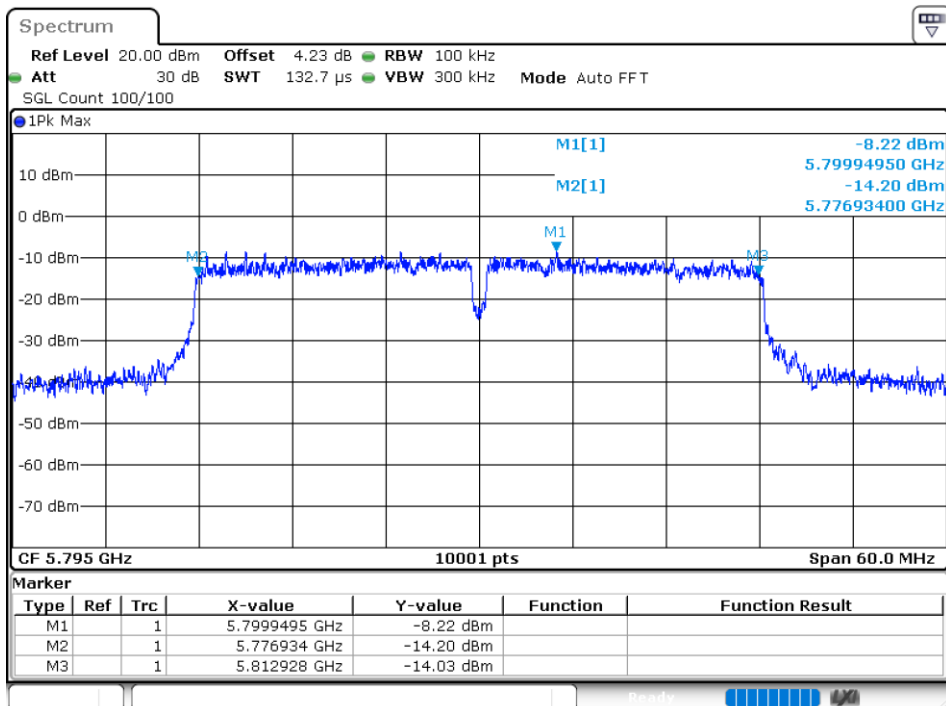
-6dB Bandwidth NVNT n20 5825MHz Ant1



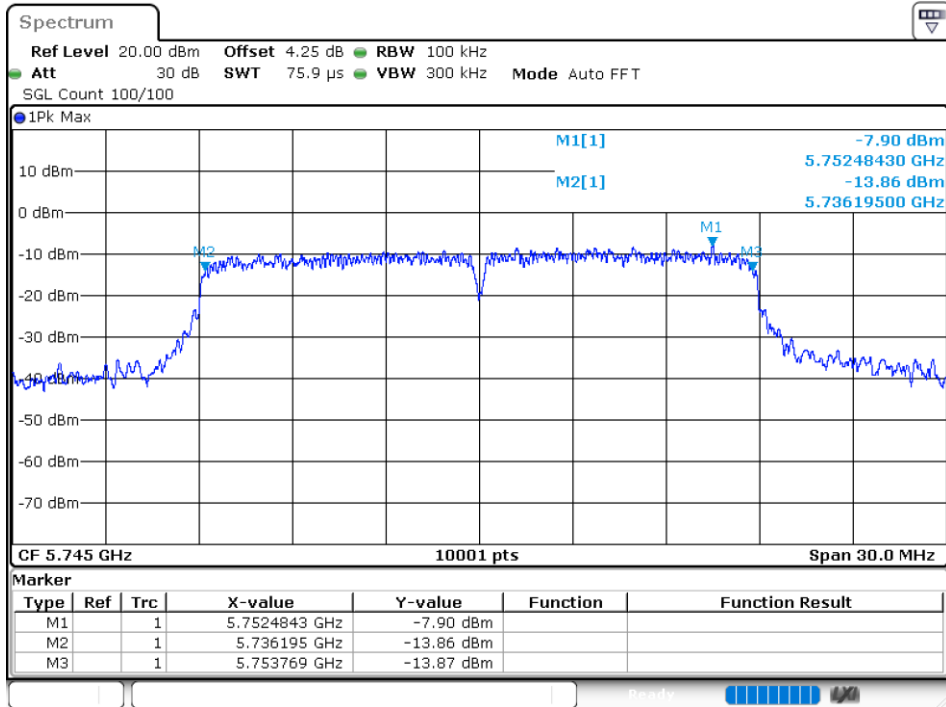
-6dB Bandwidth NVNT n40 5755MHz Ant1



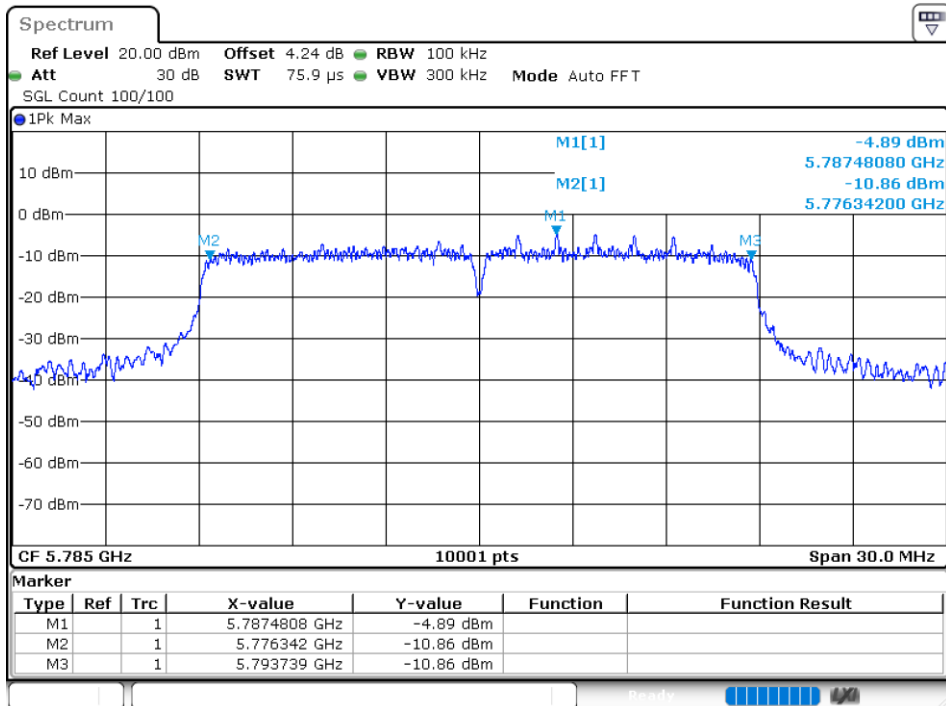
-6dB Bandwidth NVNT n40 5795MHz Ant1



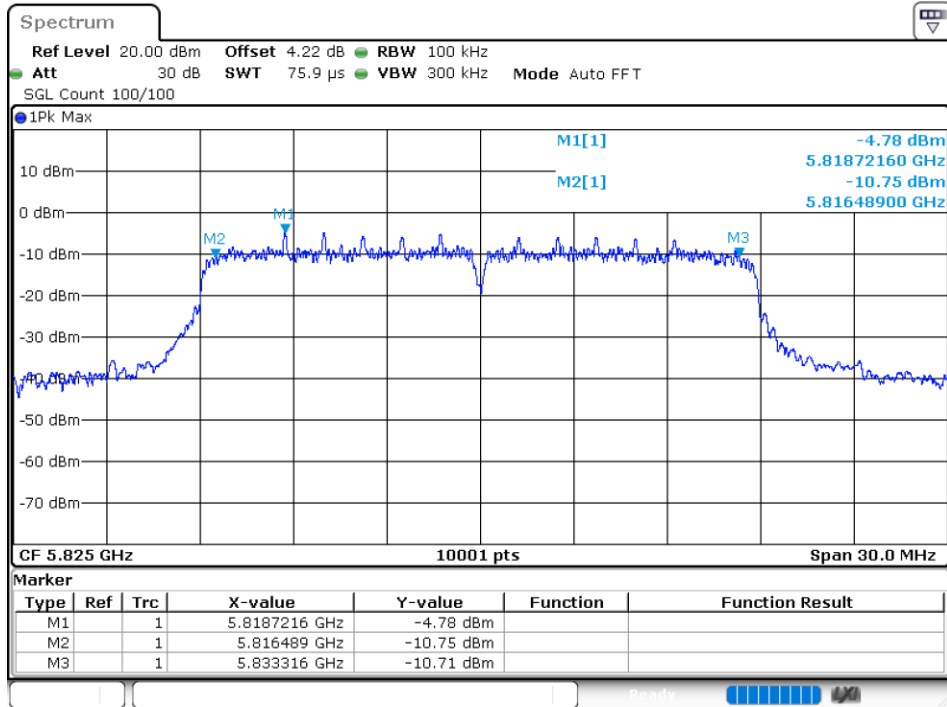
-6dB Bandwidth NVNT ac20 5745MHz Ant1



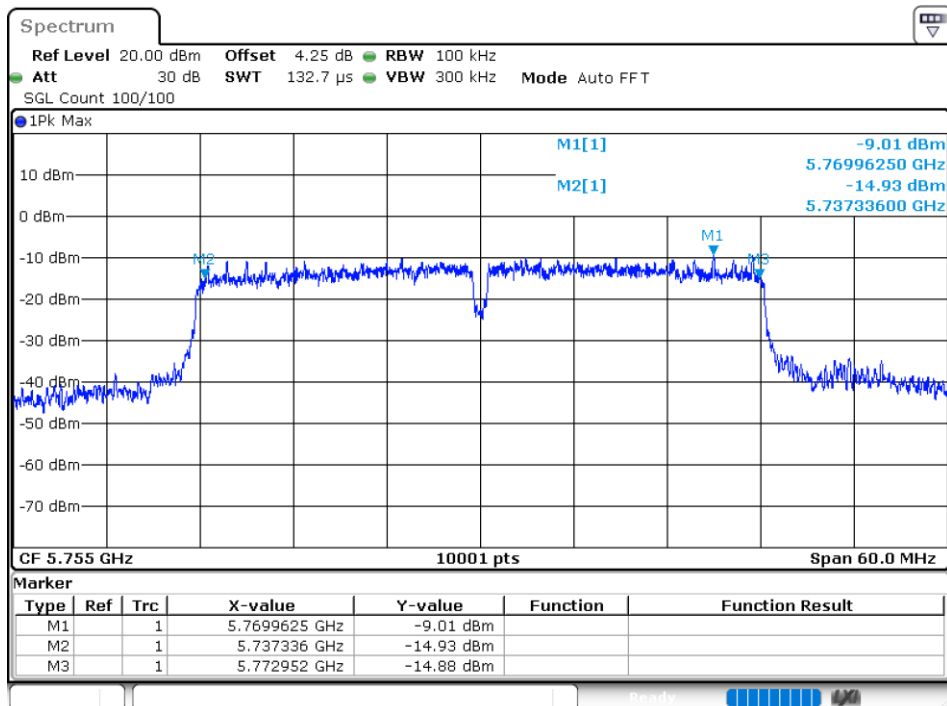
-6dB Bandwidth NVNT ac20 5785MHz Ant1



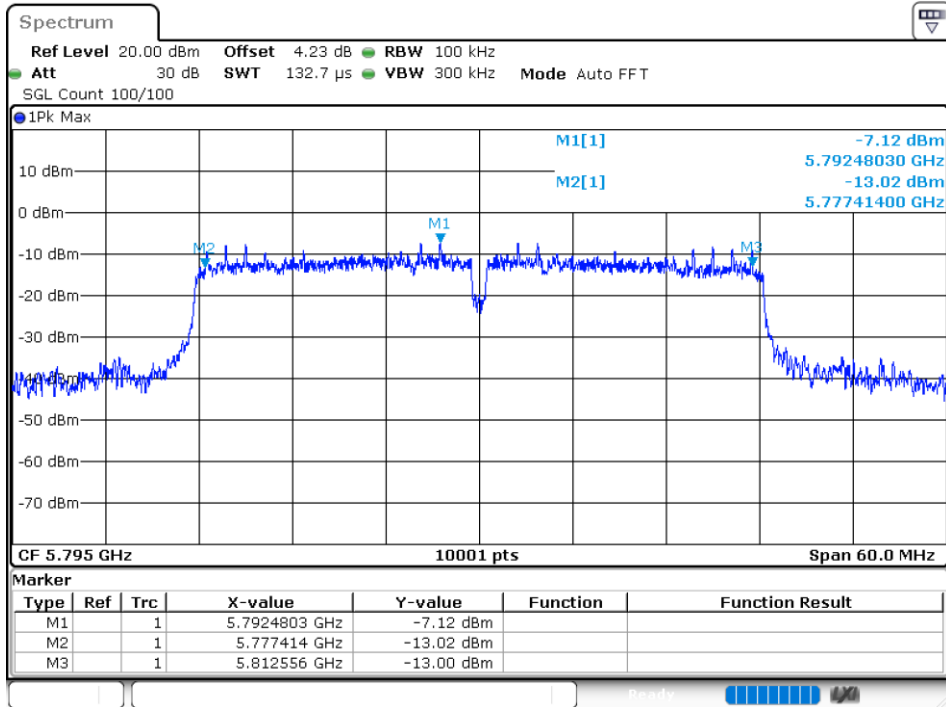
-6dB Bandwidth NVNT ac20 5825MHz Ant1



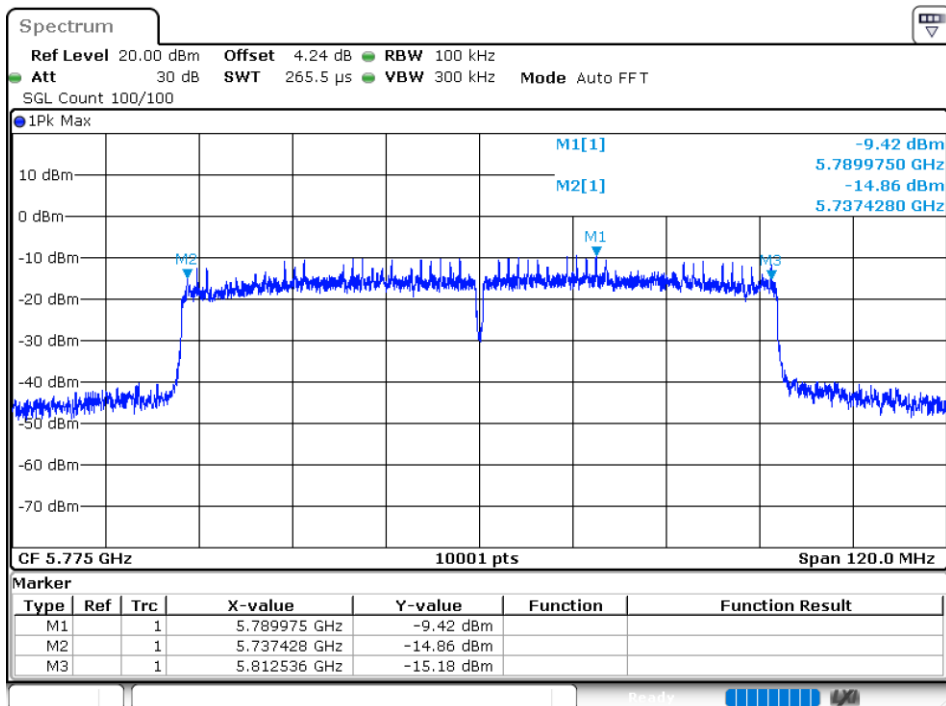
-6dB Bandwidth NVNT ac40 5755MHz Ant1



-6dB Bandwidth NVNT ac40 5795MHz Ant1



-6dB Bandwidth NVNT ac80 5775MHz Ant1

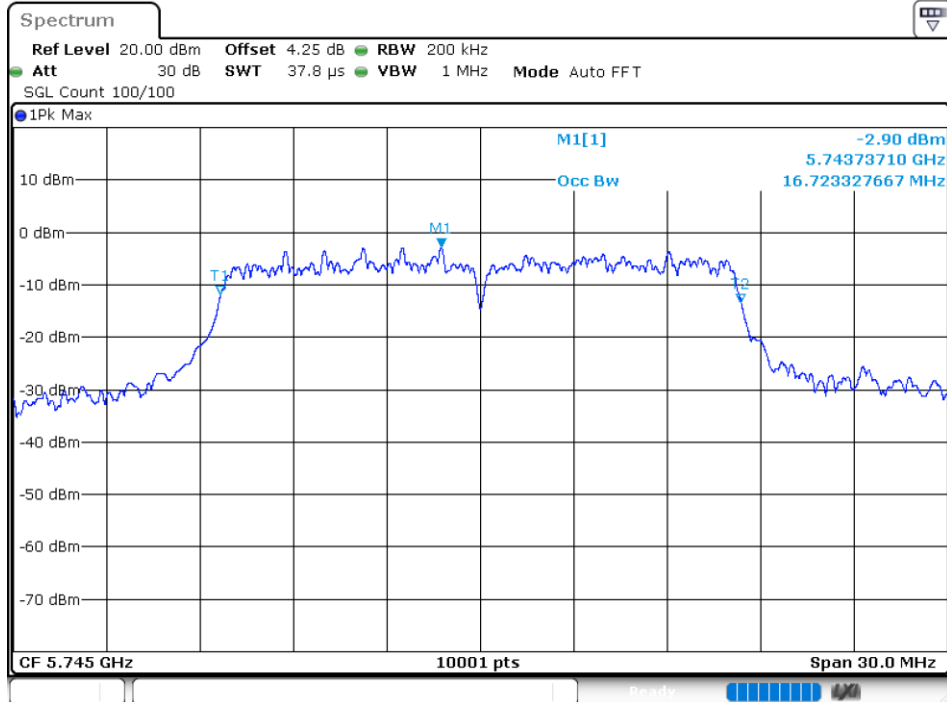


Occupied Channel Bandwidth

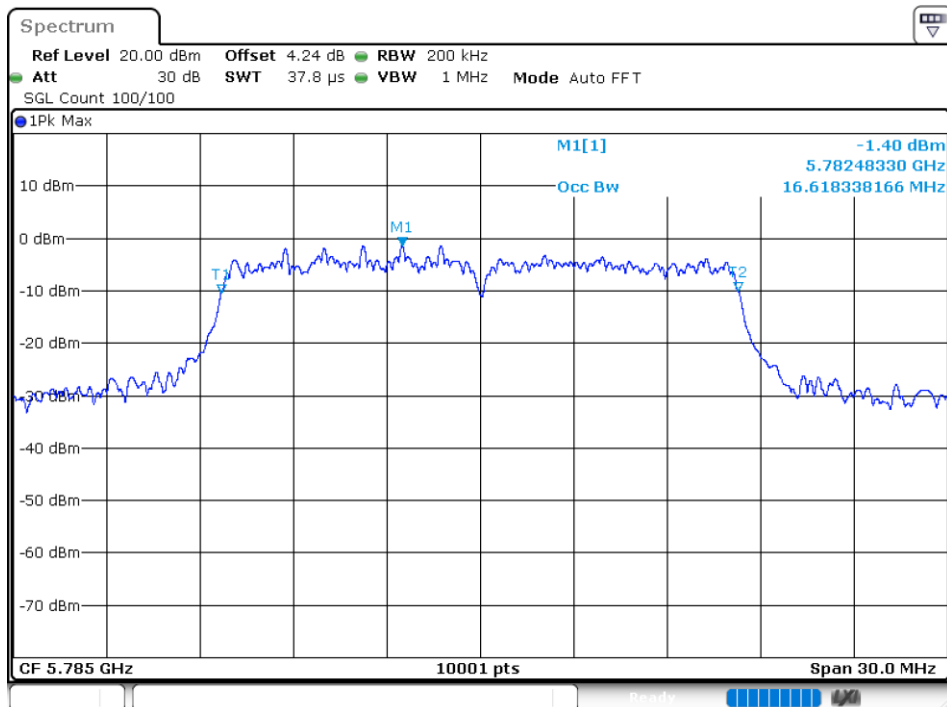
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.723
NVNT	a	5785	Ant1	16.618
NVNT	a	5825	Ant1	16.681
NVNT	n20	5745	Ant1	17.59
NVNT	n20	5785	Ant1	17.674
NVNT	n20	5825	Ant1	17.59
NVNT	n40	5755	Ant1	36.092
NVNT	n40	5795	Ant1	36.104
NVNT	ac20	5745	Ant1	17.653
NVNT	ac20	5785	Ant1	17.629
NVNT	ac20	5825	Ant1	17.59
NVNT	ac40	5755	Ant1	36.092
NVNT	ac40	5795	Ant1	36.146
NVNT	ac80	5775	Ant1	75.34

Test Graphs

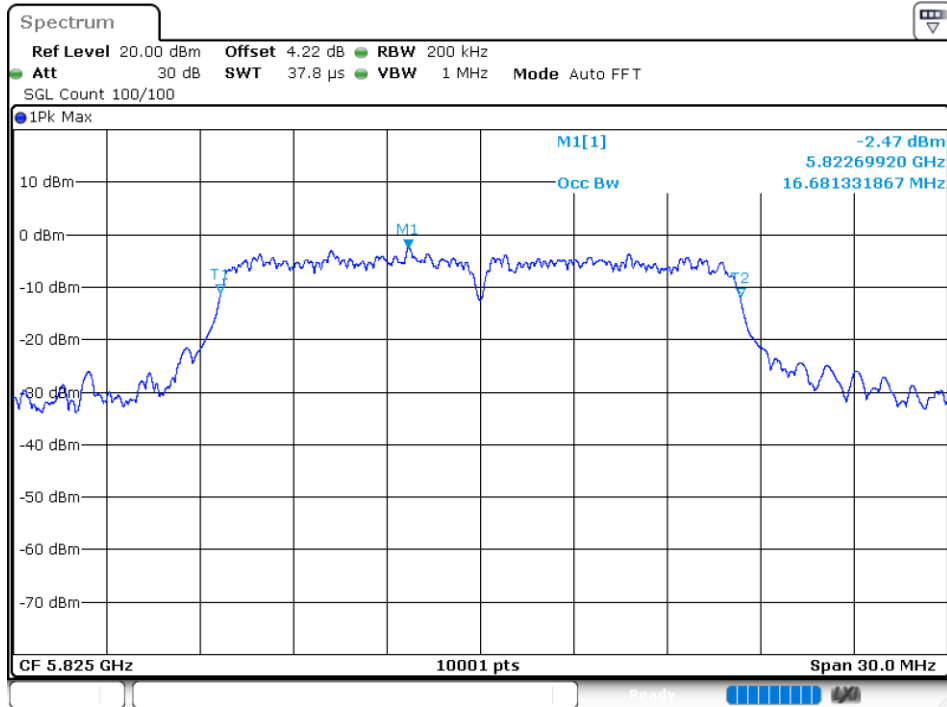
OBW NVNT a 5745MHz Ant1



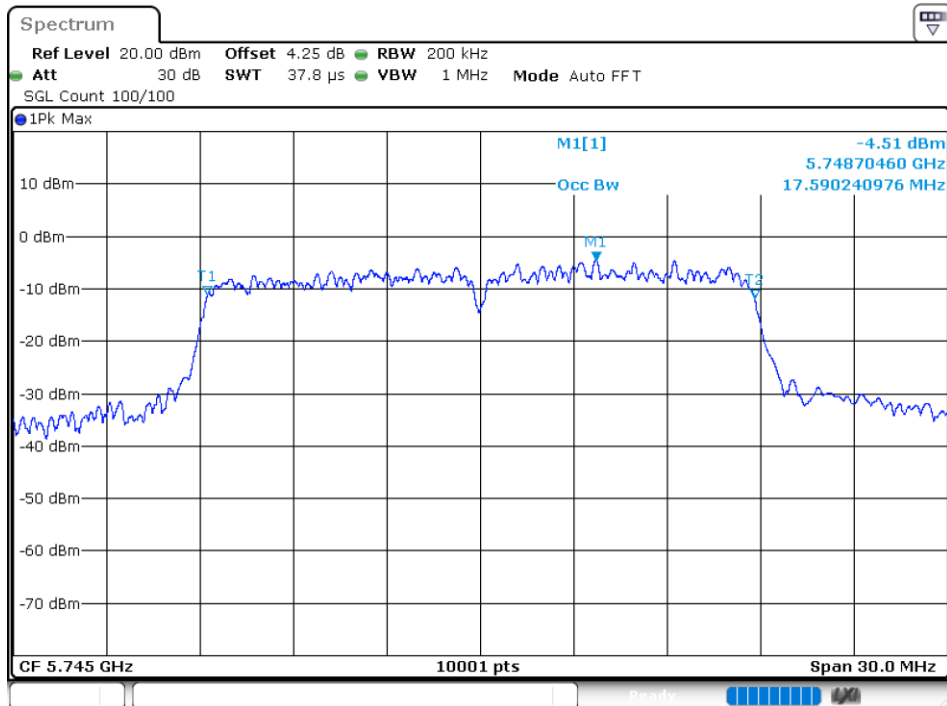
OBW NVNT a 5785MHz Ant1



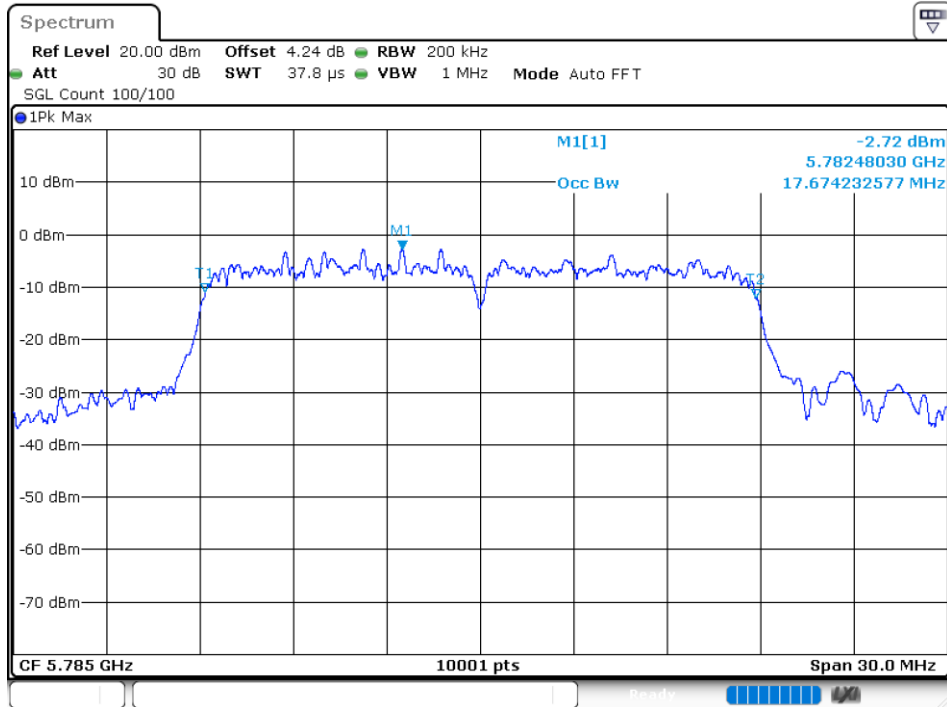
OBW NVNT a 5825MHz Ant1



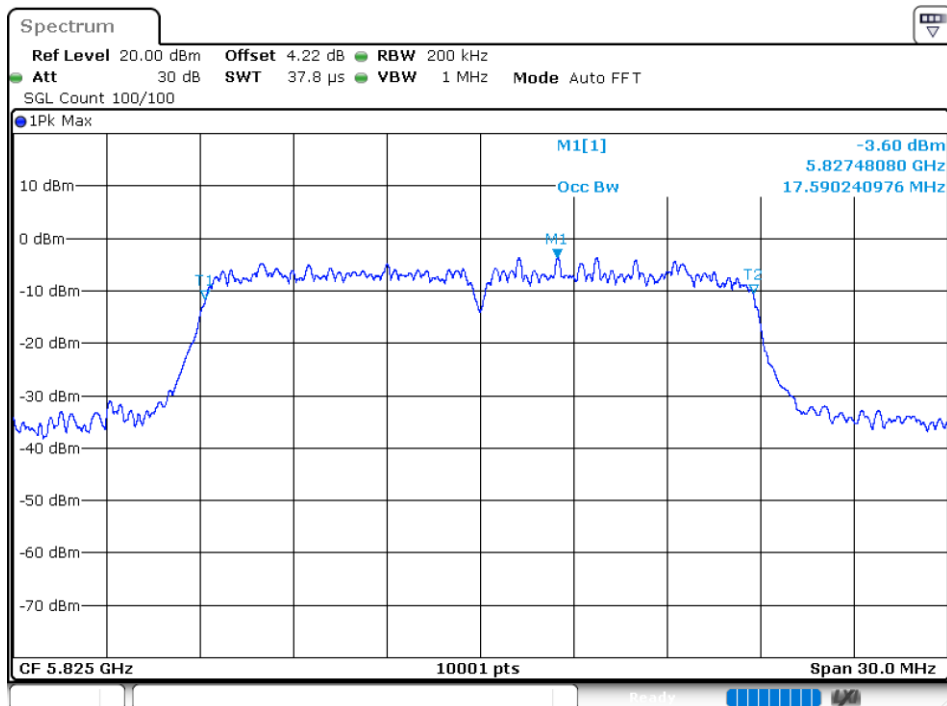
OBW NVNT n20 5745MHz Ant1



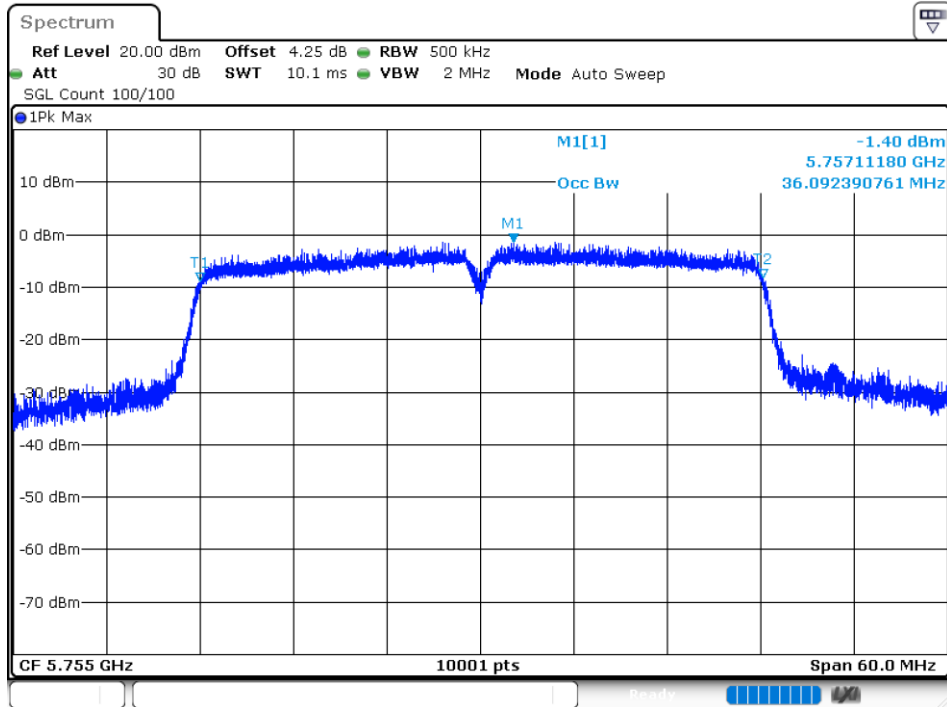
OBW NVNT n20 5785MHz Ant1



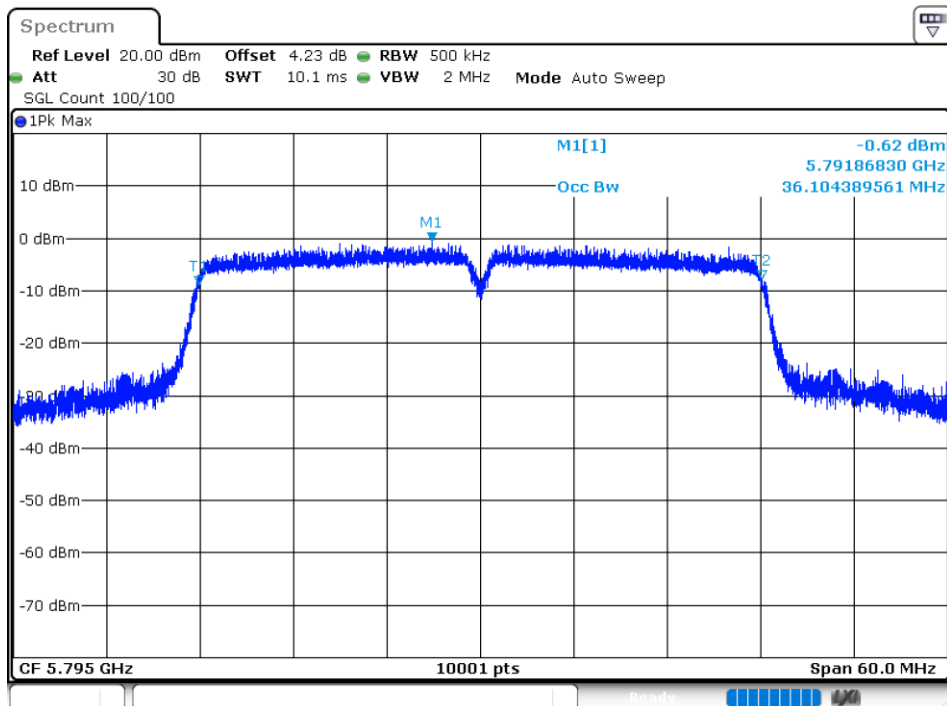
OBW NVNT n20 5825MHz Ant1



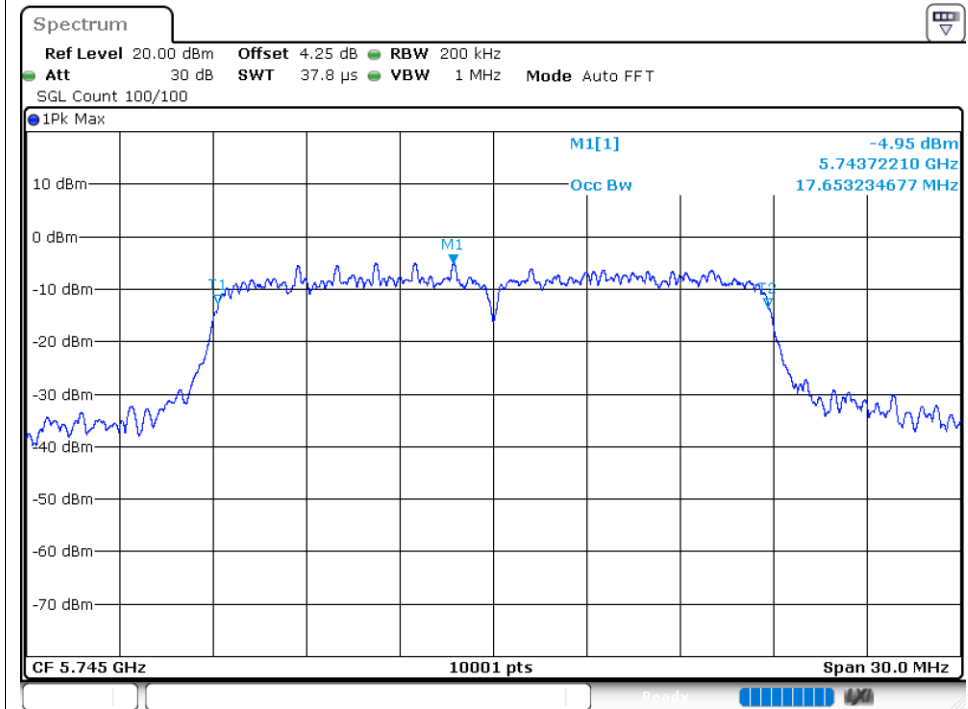
OBW NVNT n40 5755MHz Ant1



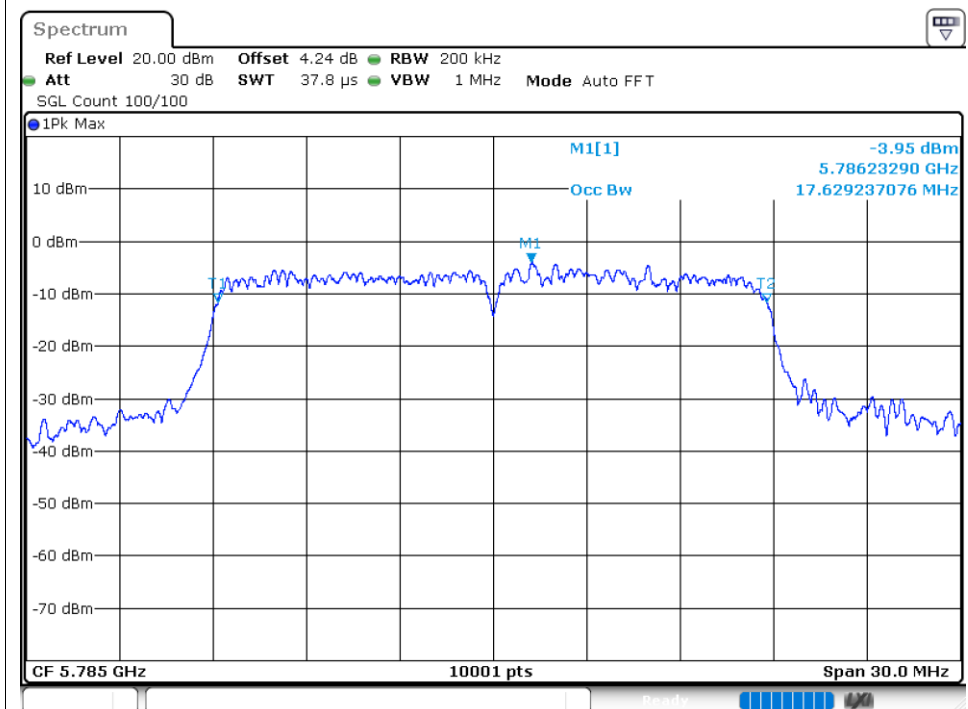
OBW NVNT n40 5795MHz Ant1



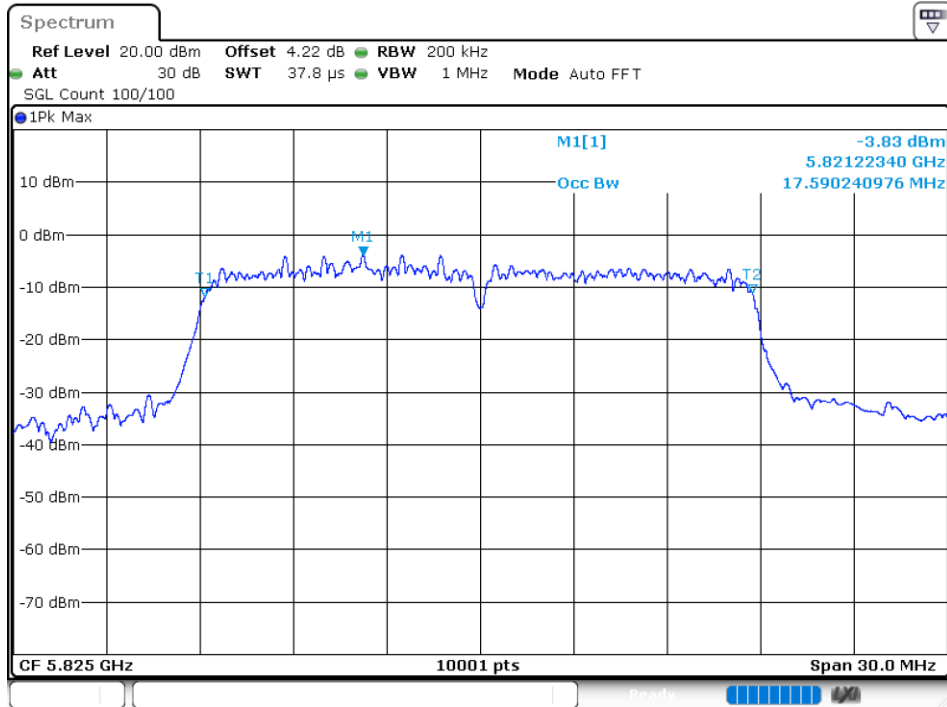
OBW NVNT ac20 5745MHz Ant1



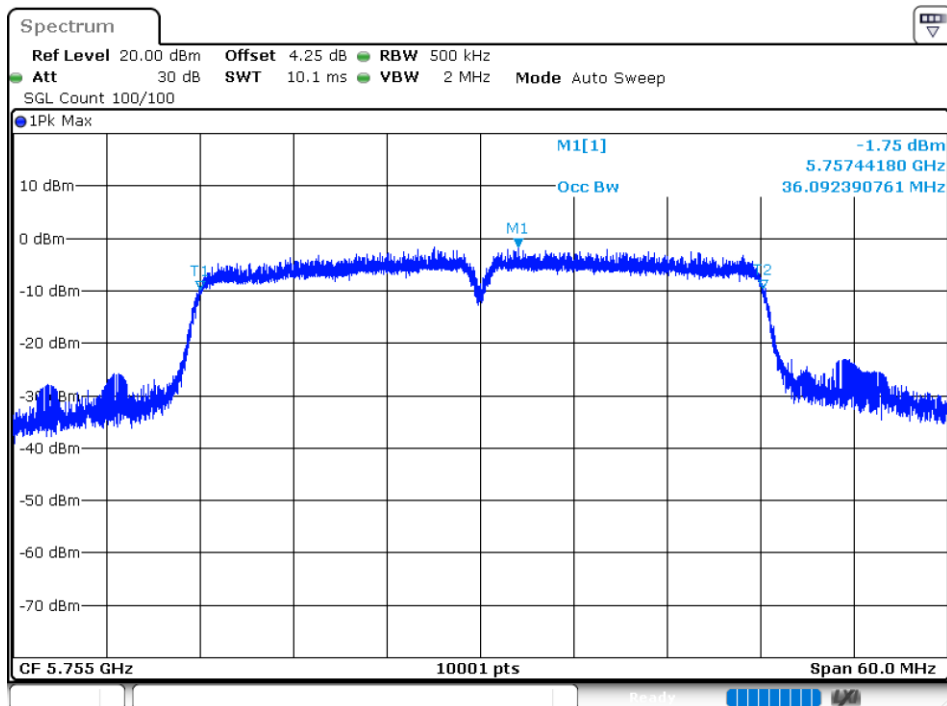
OBW NVNT ac20 5785MHz Ant1



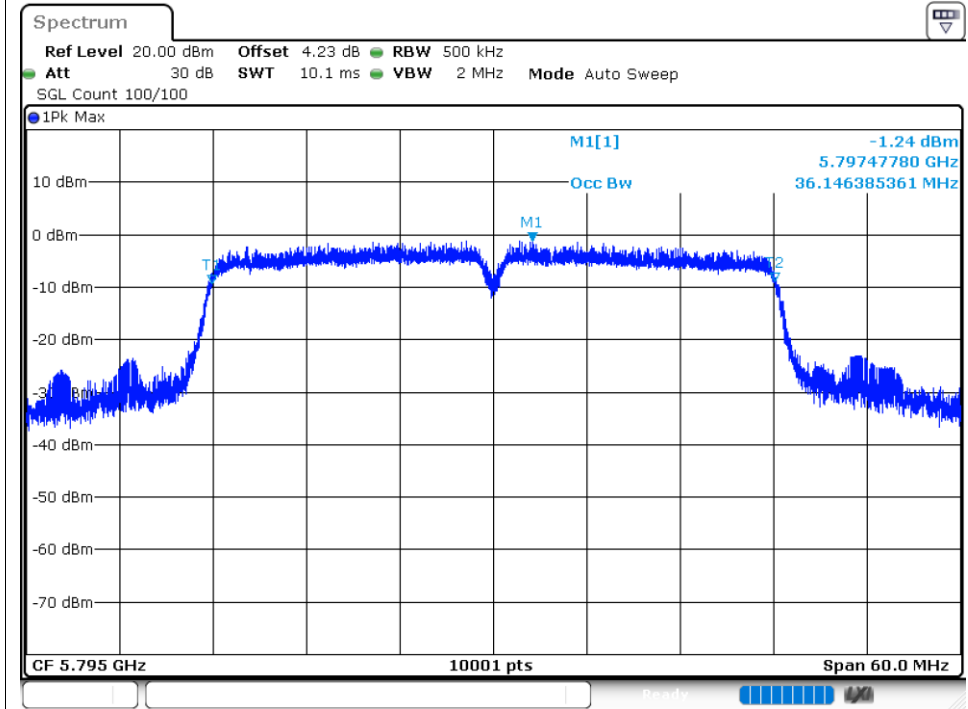
OBW NVNT ac20 5825MHz Ant1



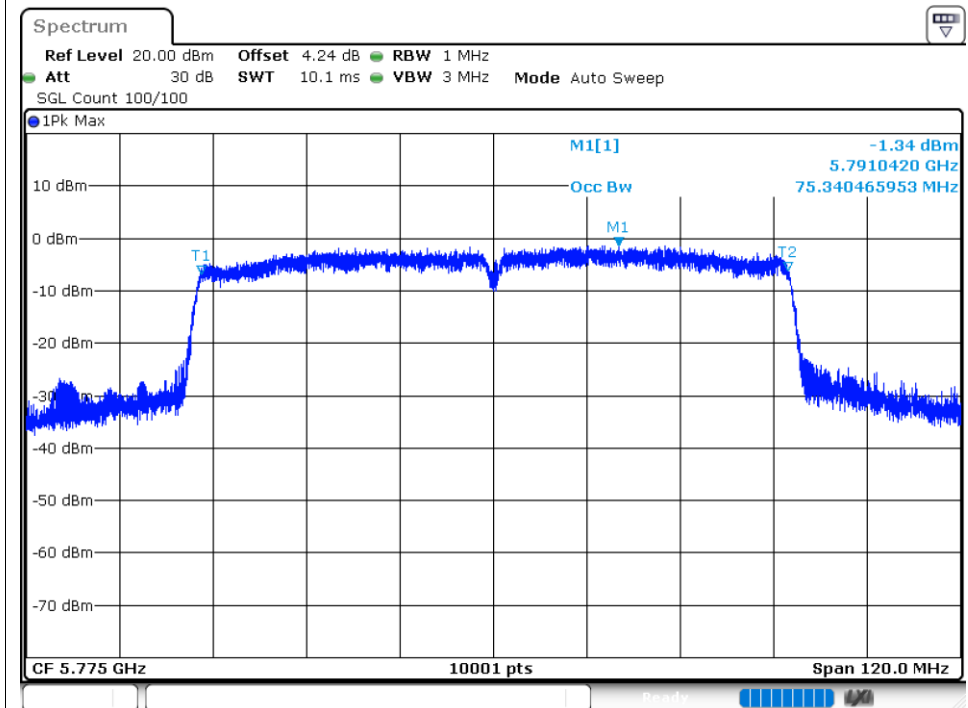
OBW NVNT ac40 5755MHz Ant1



OBW NVNT ac40 5795MHz Ant1



OBW NVNT ac80 5775MHz Ant1

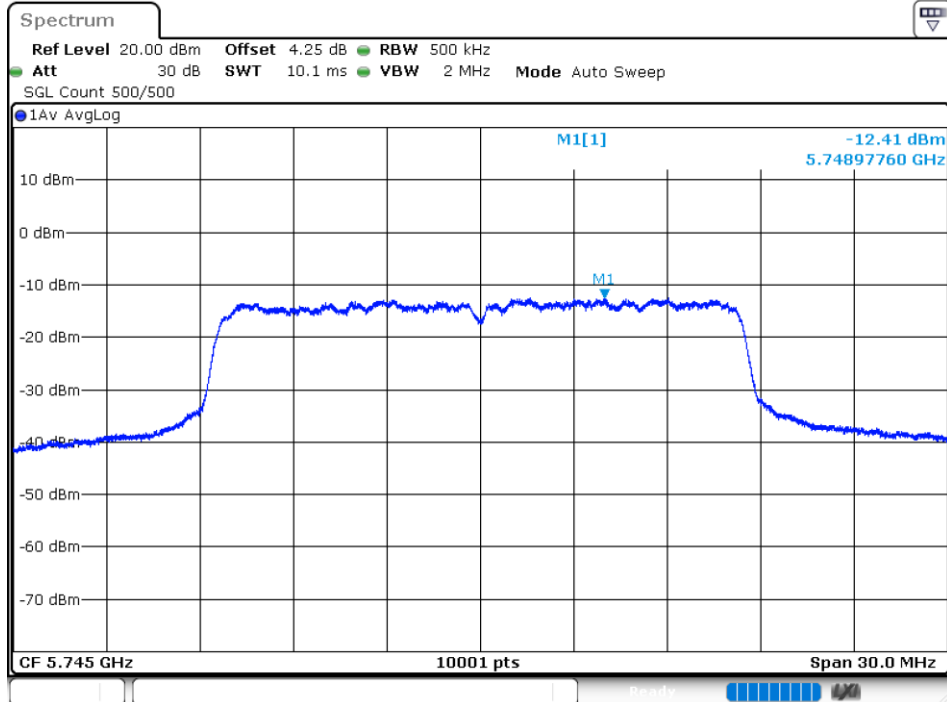


Maximum Power Spectral Density Level

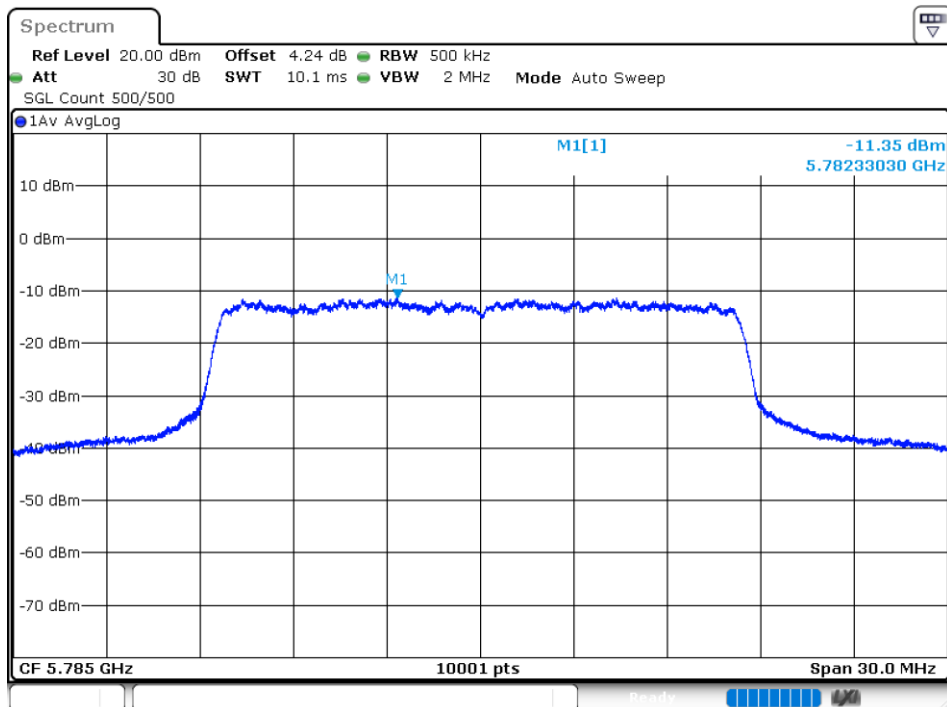
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-12.41	0.42	-11.99	30	Pass
NVNT	a	5785	Ant1	-11.35	0.42	-10.93	30	Pass
NVNT	a	5825	Ant1	-11.34	0.42	-10.92	30	Pass
NVNT	n20	5745	Ant1	-14.21	0.49	-13.72	30	Pass
NVNT	n20	5785	Ant1	-12.77	0.49	-12.28	30	Pass
NVNT	n20	5825	Ant1	-9.86	0	-9.86	30	Pass
NVNT	n40	5755	Ant1	-19.78	0.9	-18.88	30	Pass
NVNT	n40	5795	Ant1	-19.36	0.92	-18.44	30	Pass
NVNT	ac20	5745	Ant1	-14.41	0.49	-13.92	30	Pass
NVNT	ac20	5785	Ant1	-13.6	0.5	-13.1	30	Pass
NVNT	ac20	5825	Ant1	-10.23	0.49	-9.74	30	Pass
NVNT	ac40	5755	Ant1	-20.21	0.93	-19.28	30	Pass
NVNT	ac40	5795	Ant1	-19.89	0.93	-18.96	30	Pass
NVNT	ac80	5775	Ant1	-27.37	1.63	-25.74	30	Pass

Test Graphs

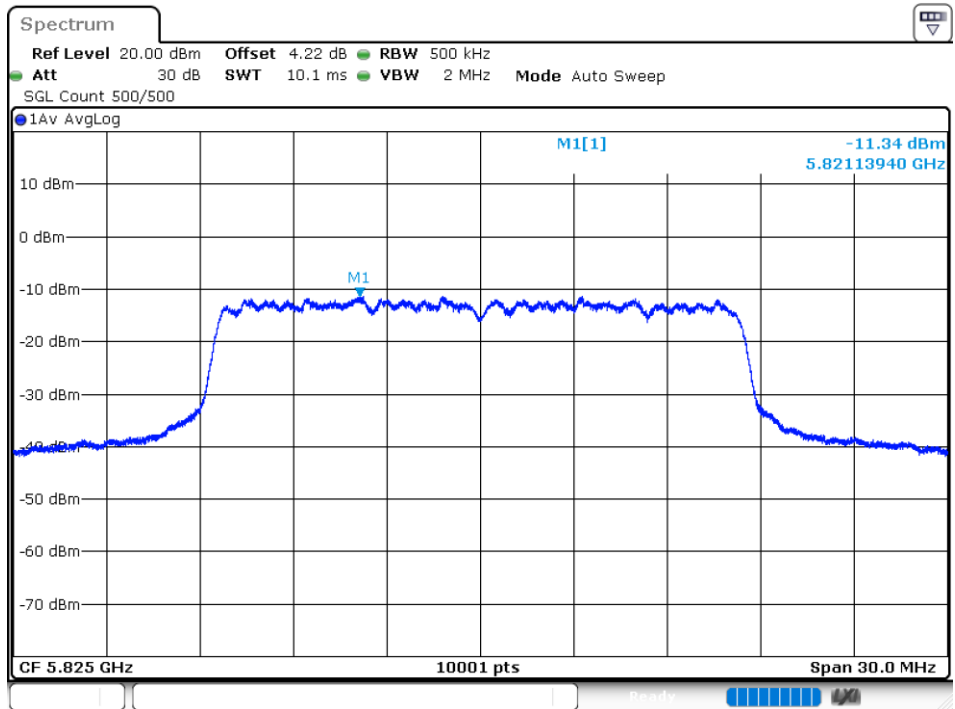
PSD NVNT a 5745MHz Ant1



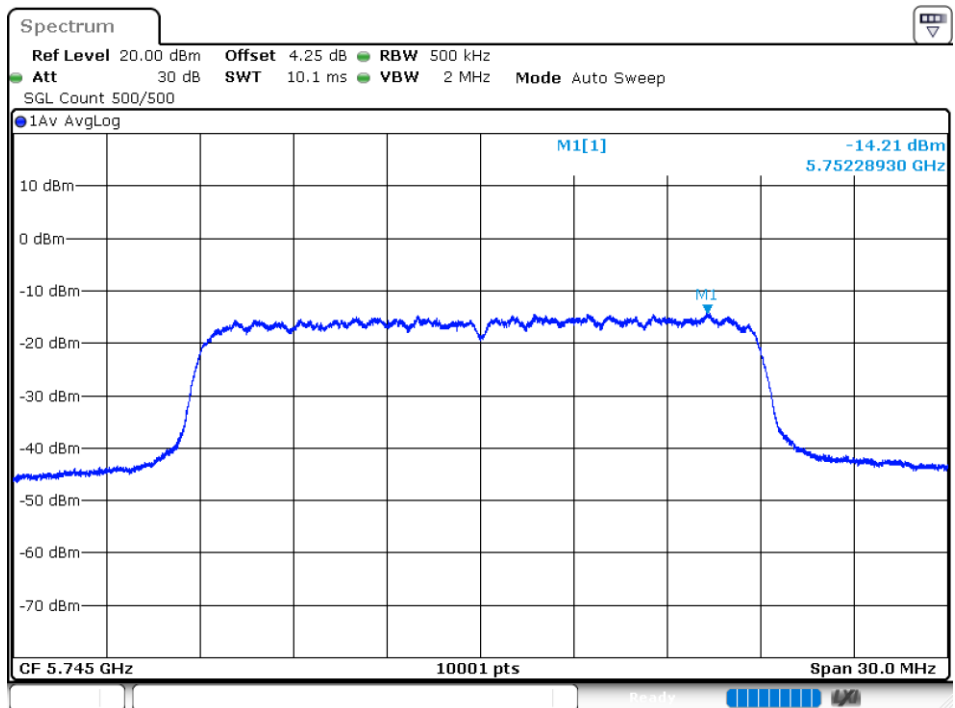
PSD NVNT a 5785MHz Ant1



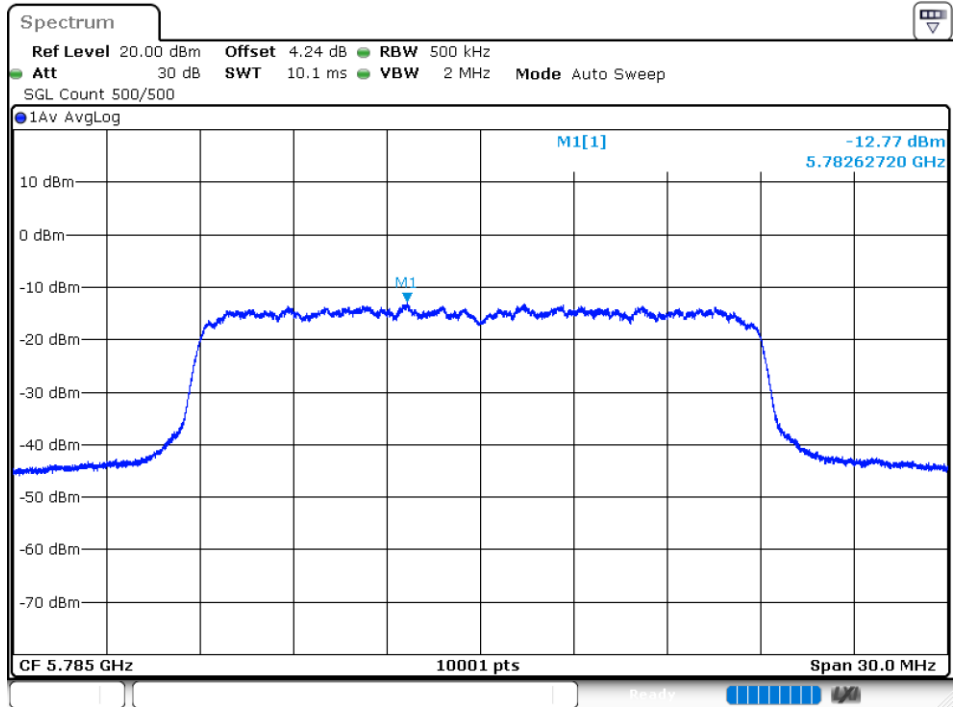
PSD NVNT a 5825MHz Ant1



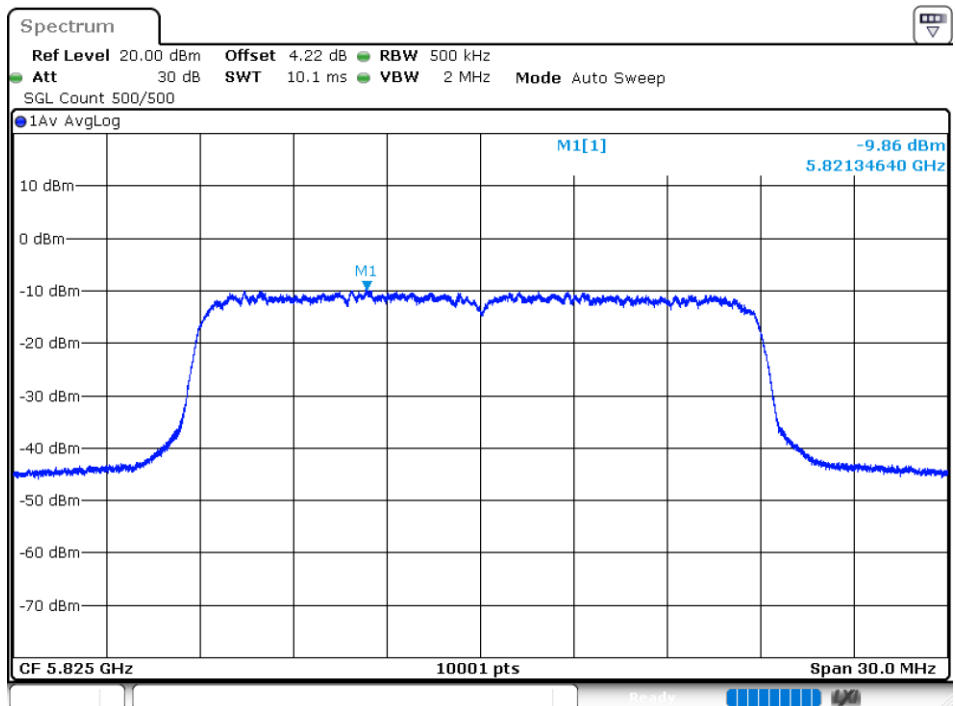
PSD NVNT n20 5745MHz Ant1



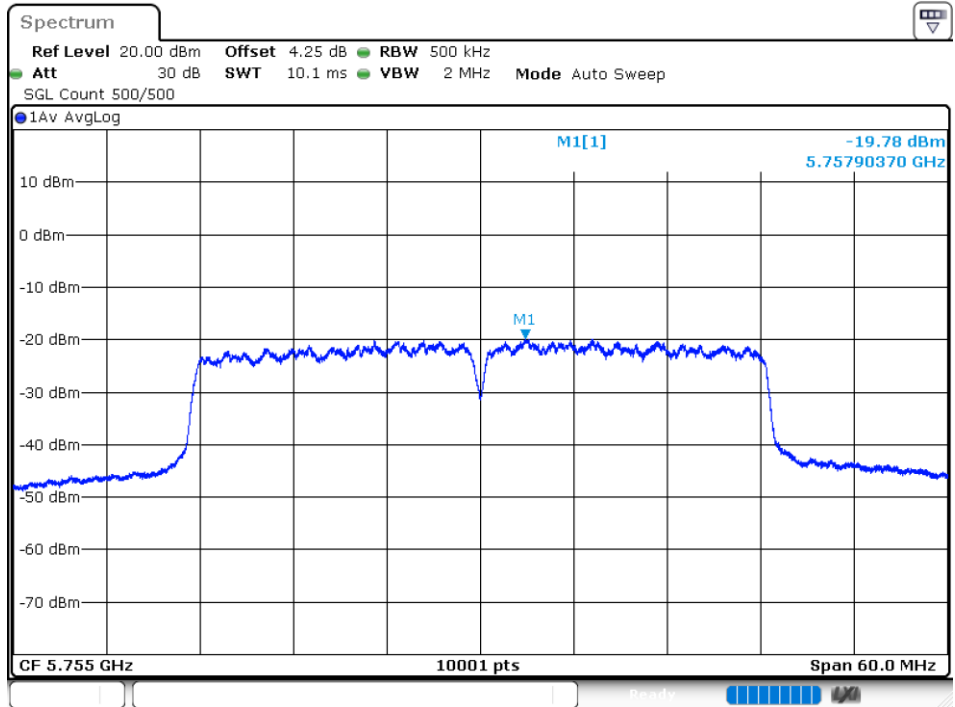
PSD NVNT n20 5785MHz Ant1



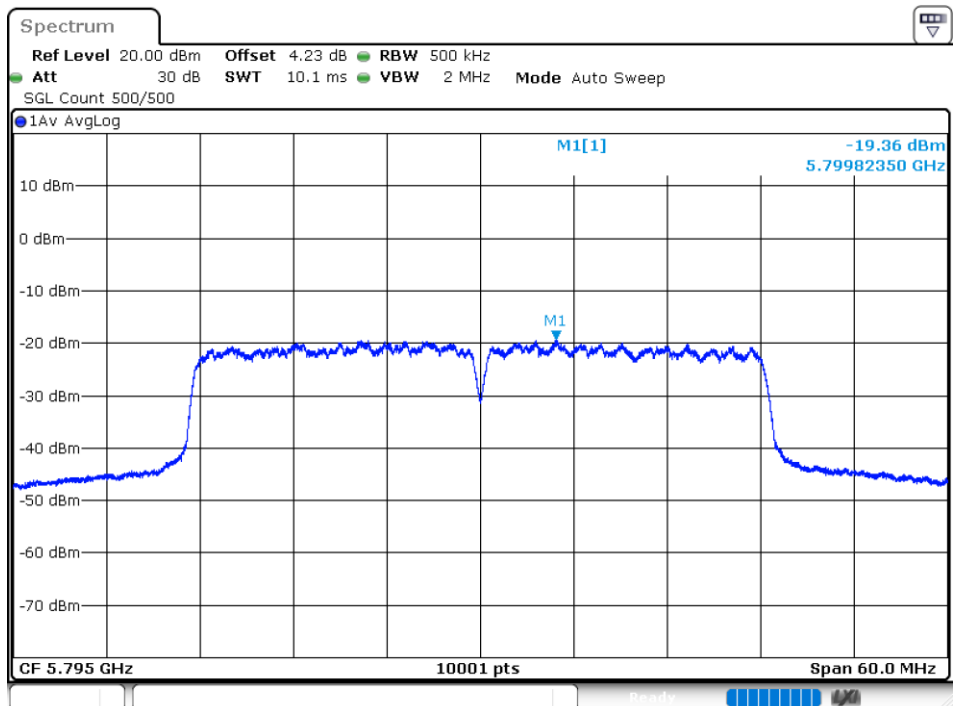
PSD NVNT n20 5825MHz Ant1



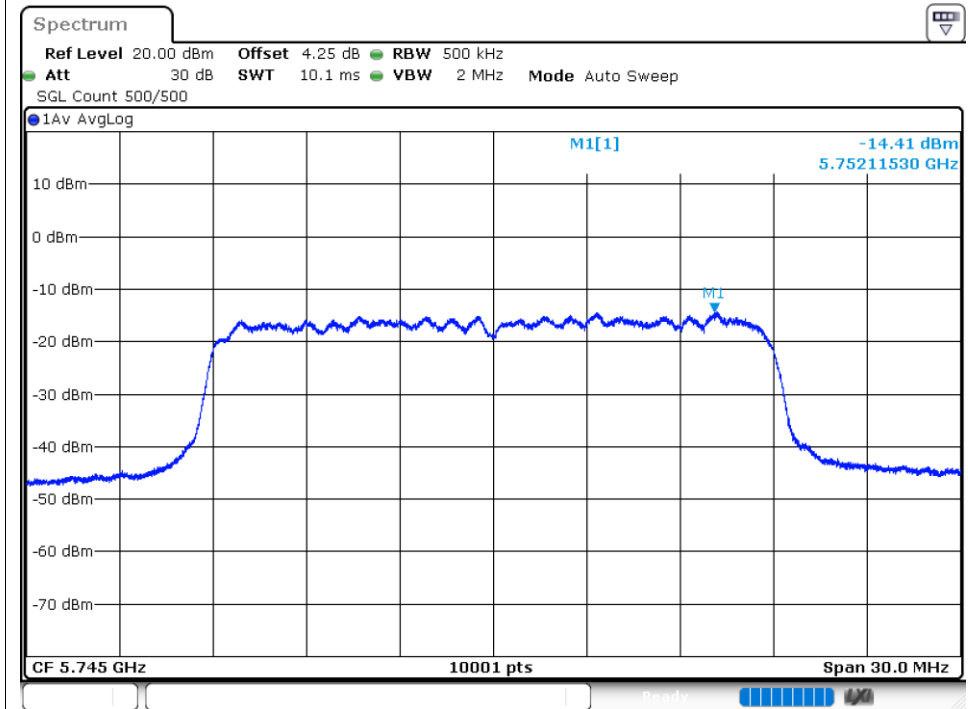
PSD NVNT n40 5755MHz Ant1



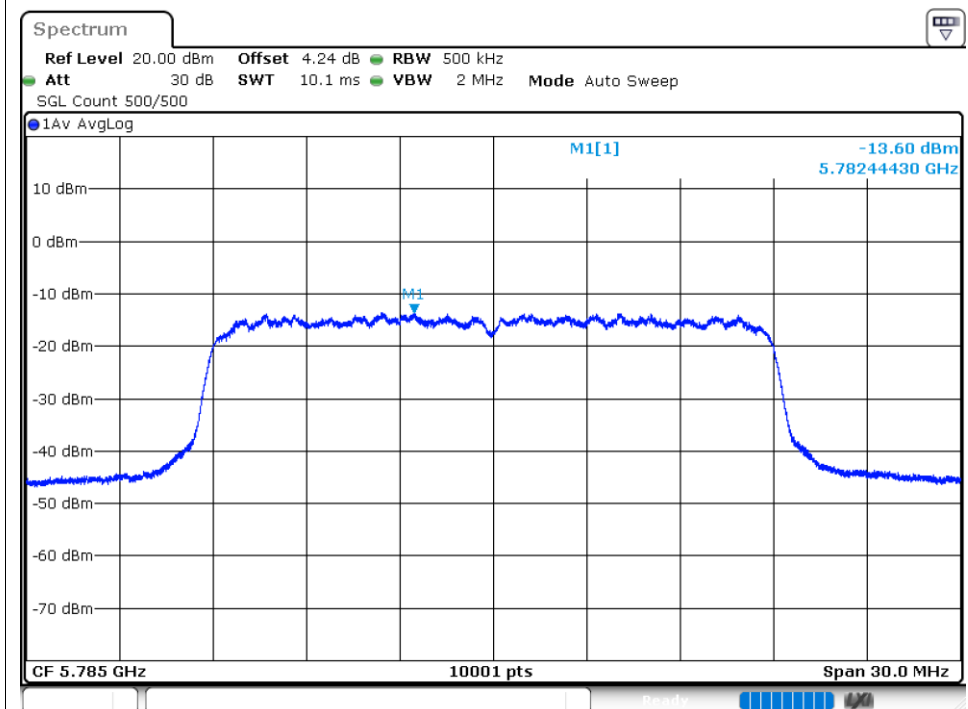
PSD NVNT n40 5795MHz Ant1



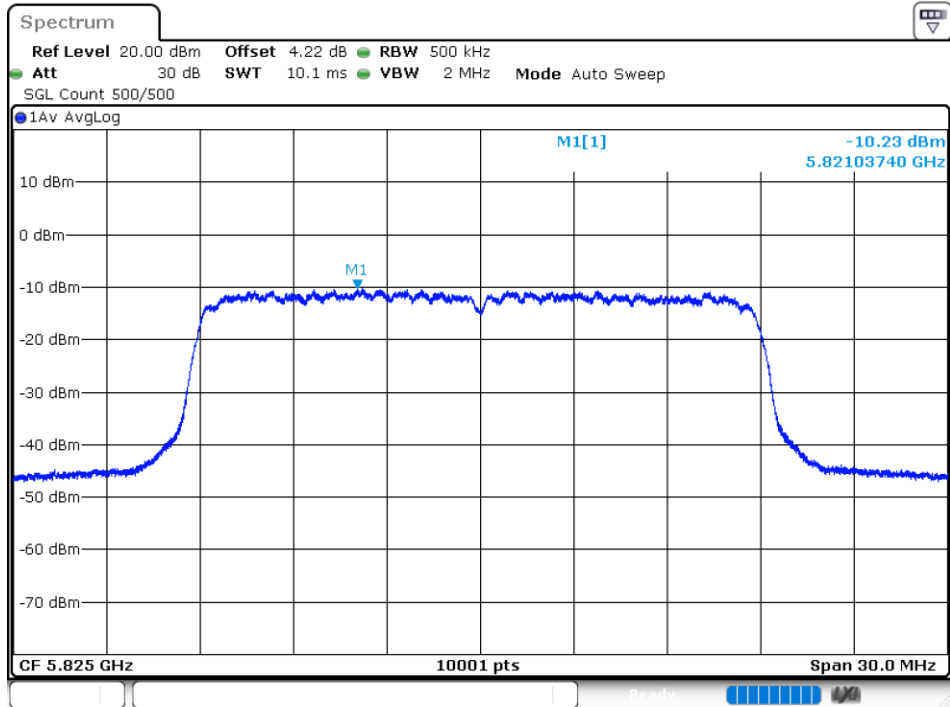
PSD NVNT ac20 5745MHz Ant1



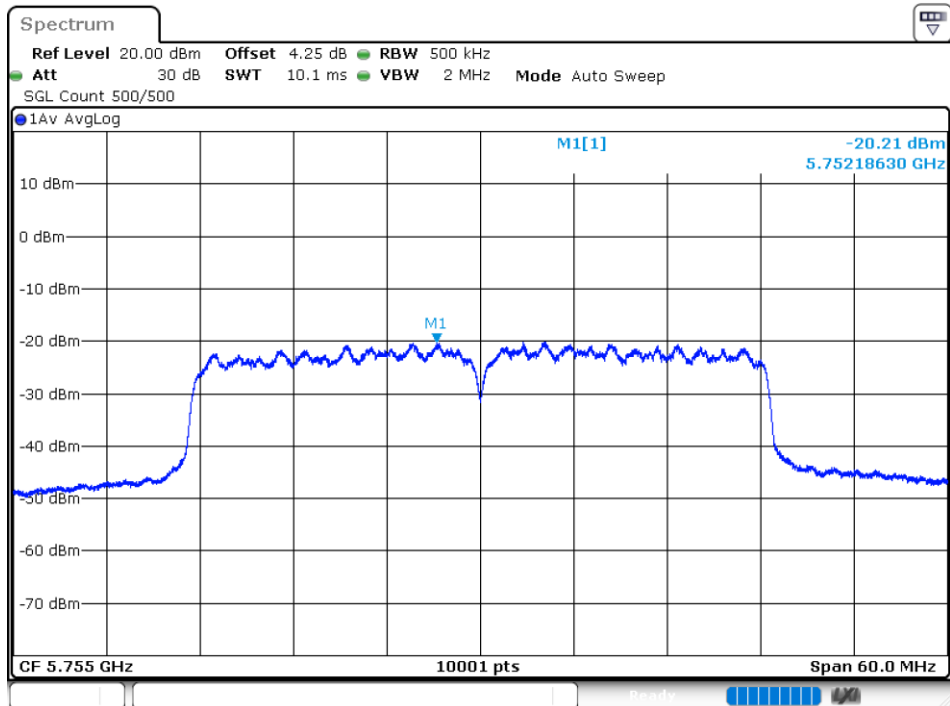
PSD NVNT ac20 5785MHz Ant1



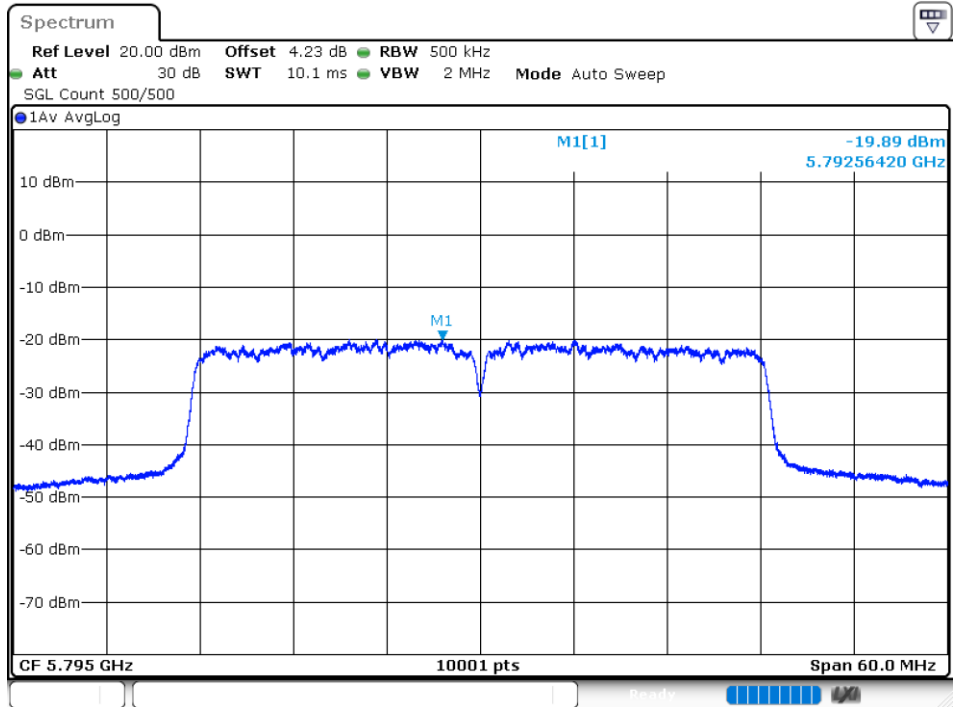
PSD NVNT ac20 5825MHz Ant1



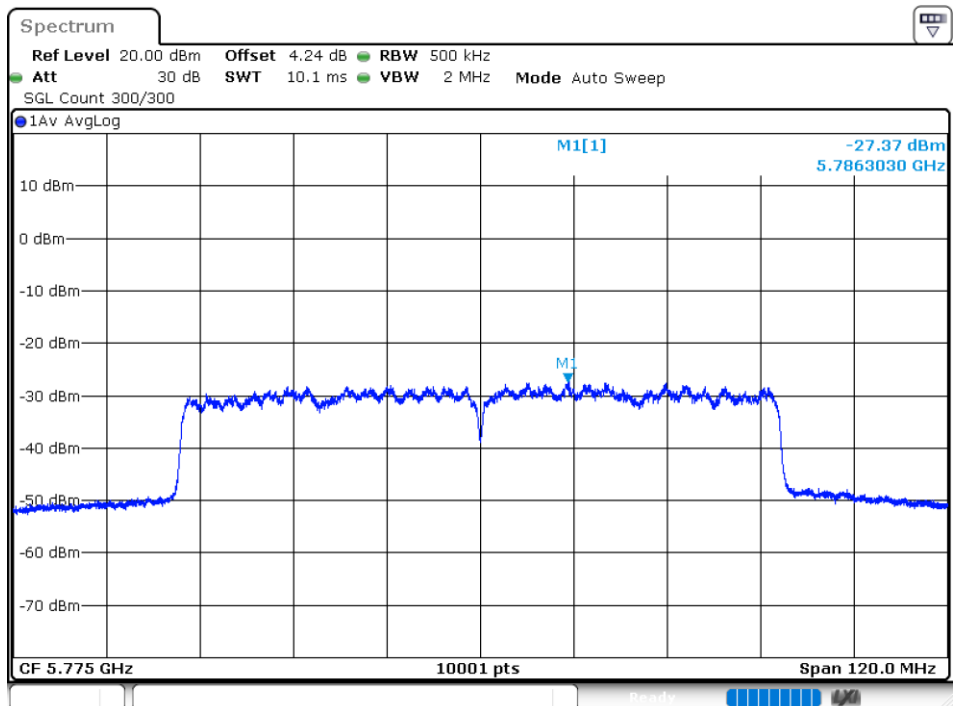
PSD NVNT ac40 5755MHz Ant1



PSD NVNT ac40 5795MHz Ant1



PSD NVNT ac80 5775MHz Ant1



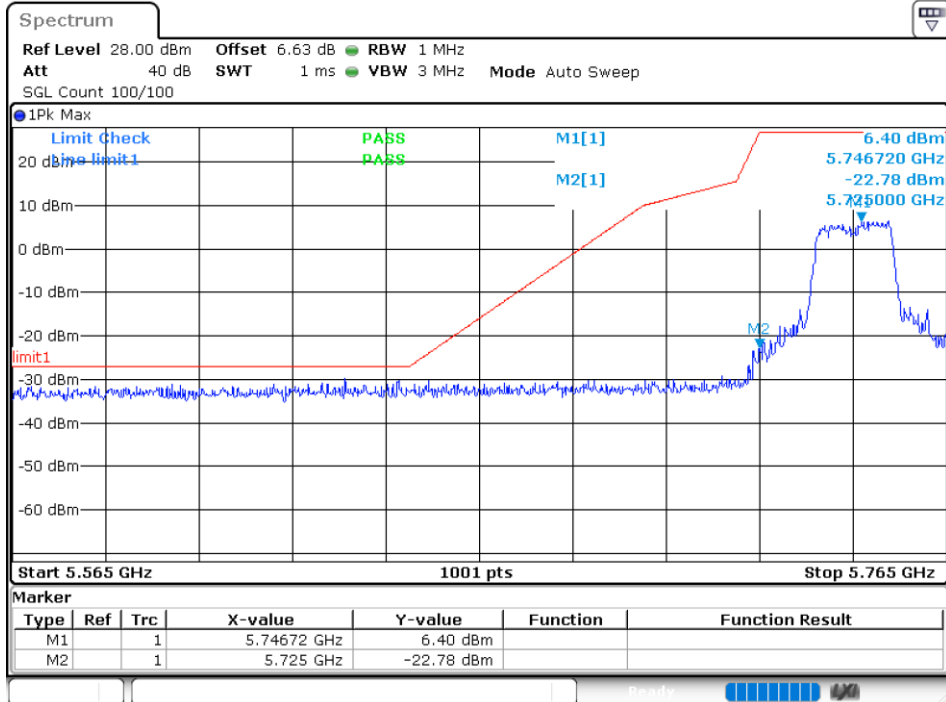
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5745	Ant1	-22.78	Pass
NVNT	a	5825	Ant1	-28.07	Pass
NVNT	n20	5745	Ant1	-25.2	Pass
NVNT	n20	5825	Ant1	-28.55	Pass
NVNT	n40	5755	Ant1	-25.55	Pass
NVNT	n40	5795	Ant1	-29.21	Pass
NVNT	ac20	5745	Ant1	-25.8	Pass
NVNT	ac20	5825	Ant1	-28.69	Pass
NVNT	ac40	5755	Ant1	-25.64	Pass
NVNT	ac40	5795	Ant1	-29.09	Pass
NVNT	ac80	5775	Ant1	-26.55	Pass

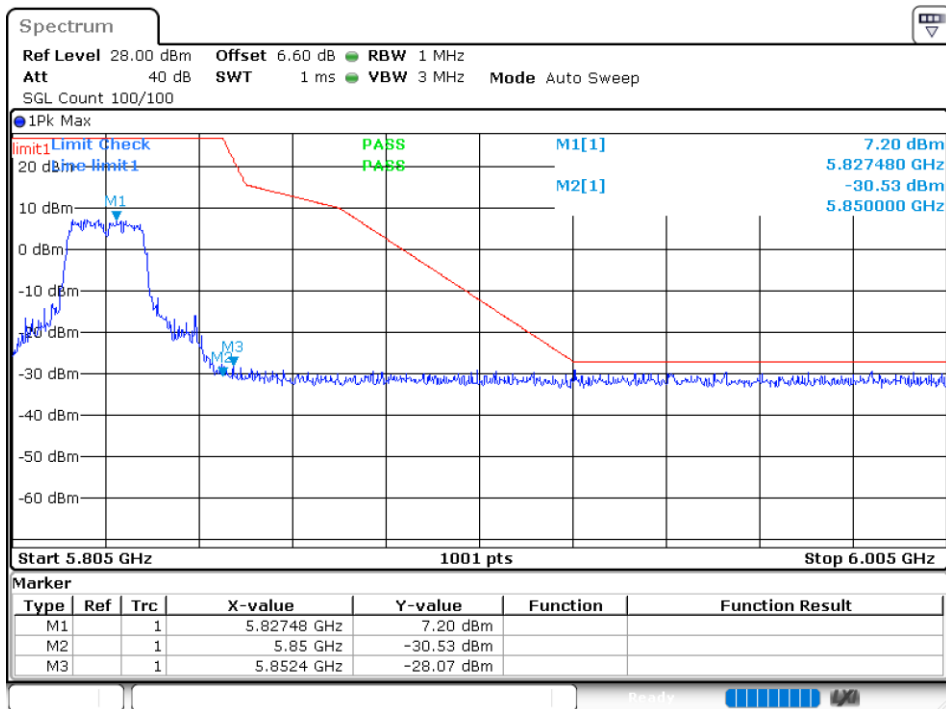
Note: This test has increased antenna gain .

Test Graphs

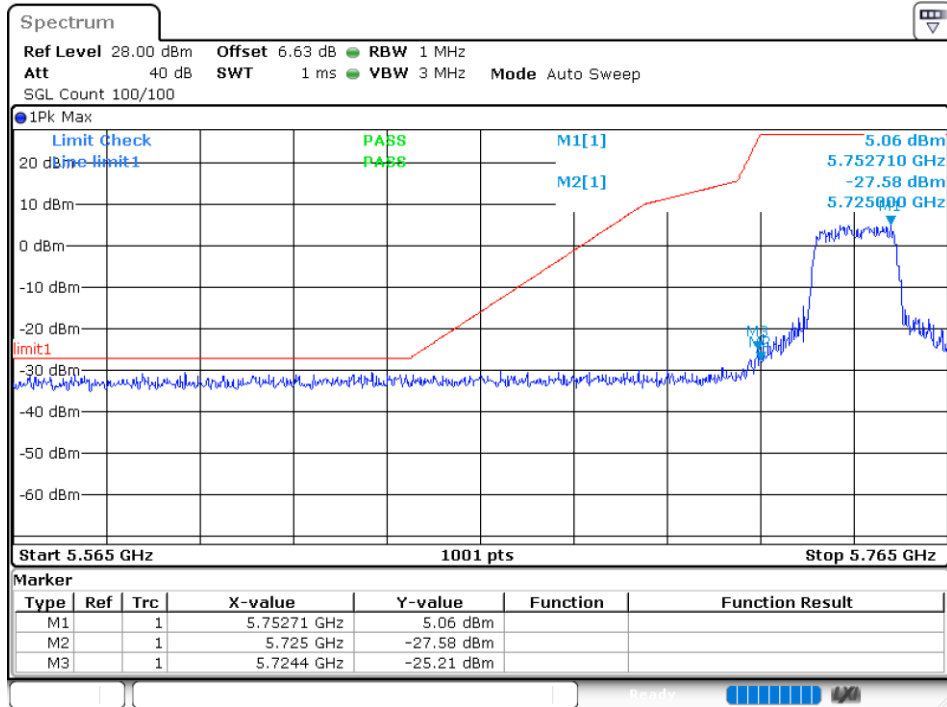
Band Edge NVNT a 5745MHz Low Ant1



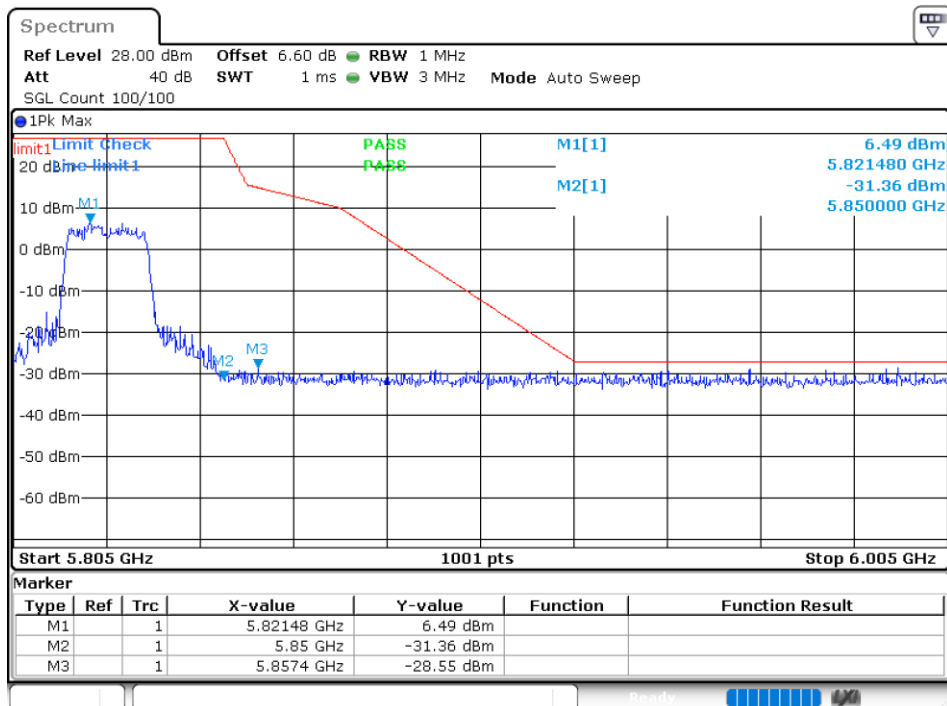
Band Edge NVNT a 5825MHz High Ant1



Band Edge NVNT n20 5745MHz Low Ant1



Band Edge NVNT n20 5825MHz High Ant1

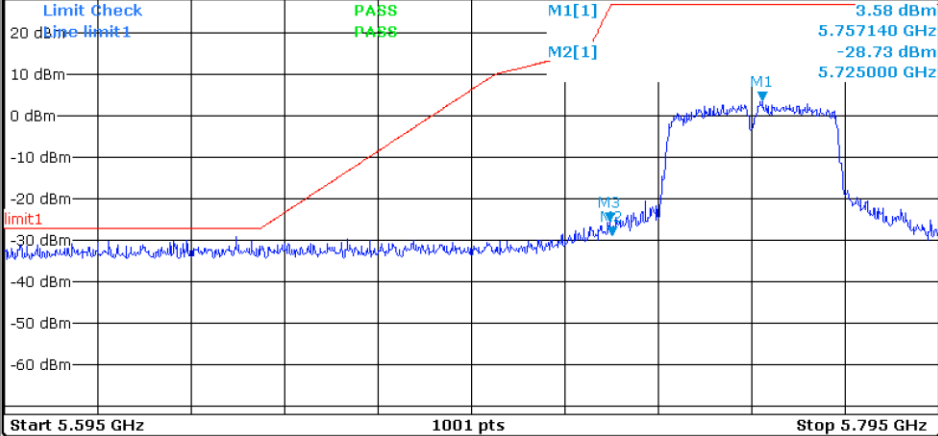


Band Edge NVNT n40 5755MHz Low Ant1

Spectrum

Ref Level 28.00 dBm Offset 6.63 dB RBW 1 MHz
Att 40 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Marker

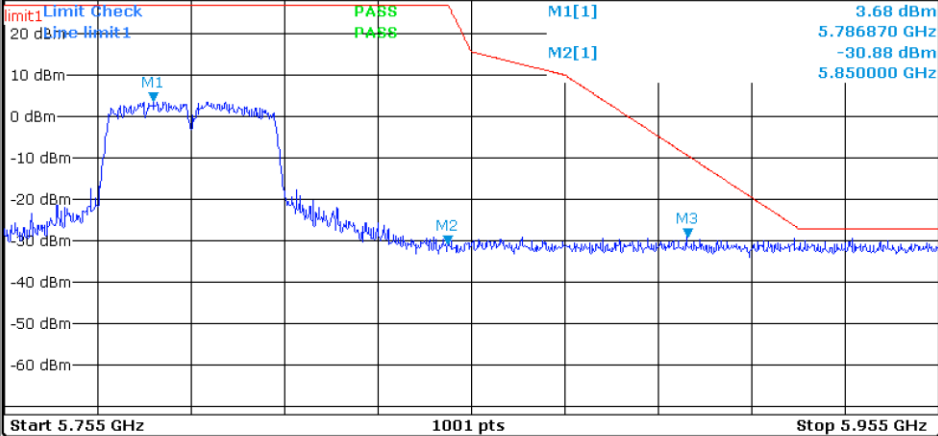
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.75714 GHz	3.58 dBm		
M2	1	1	5.725 GHz	-28.73 dBm		
M3	1	1	5.7246 GHz	-25.56 dBm		

Band Edge NVNT n40 5795MHz High Ant1

Spectrum

Ref Level 28.00 dBm Offset 6.61 dB RBW 1 MHz
Att 40 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

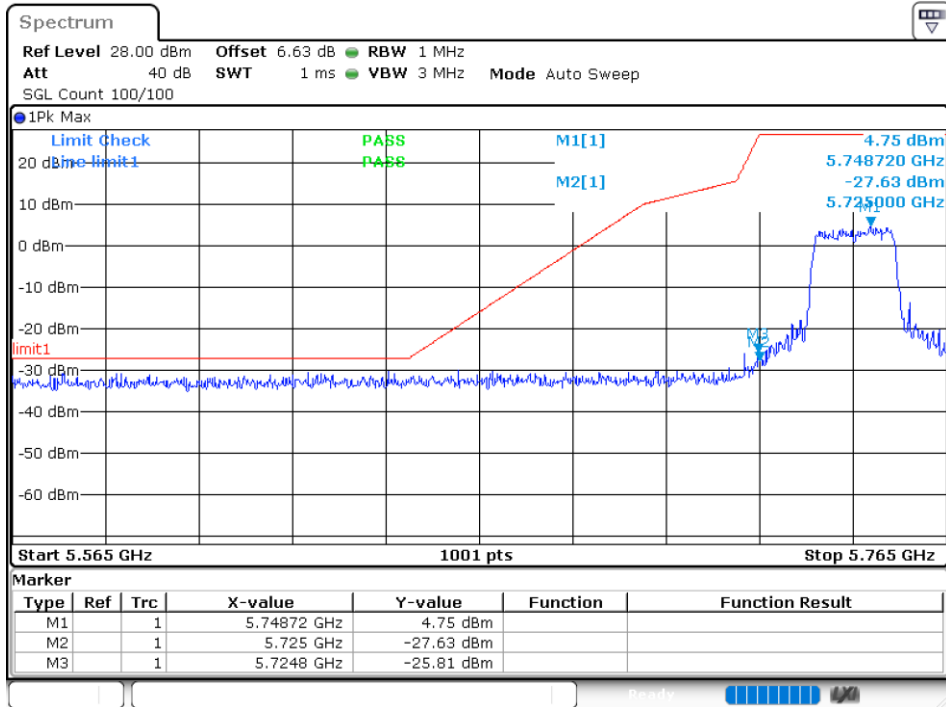
1Pk Max



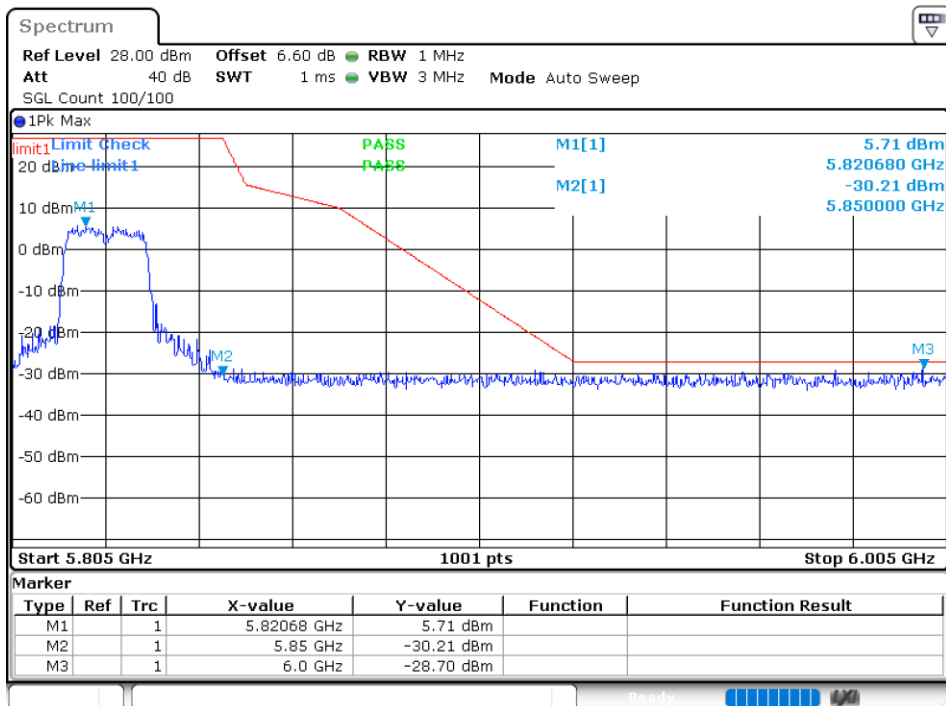
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.78687 GHz	3.68 dBm		
M2	1	1	5.85 GHz	-30.88 dBm		
M3	1	1	5.9012 GHz	-29.22 dBm		

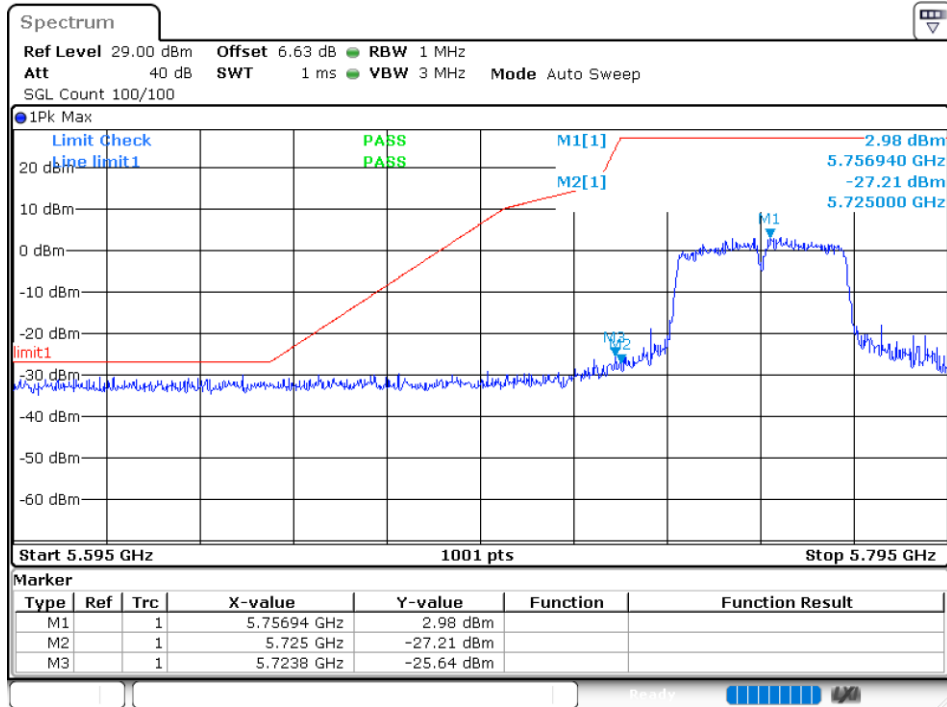
Band Edge NVNT ac20 5745MHz Low Ant1



Band Edge NVNT ac20 5825MHz High Ant1



Band Edge NVNT ac40 5755MHz Low Ant1



Band Edge NVNT ac40 5795MHz High Ant1

