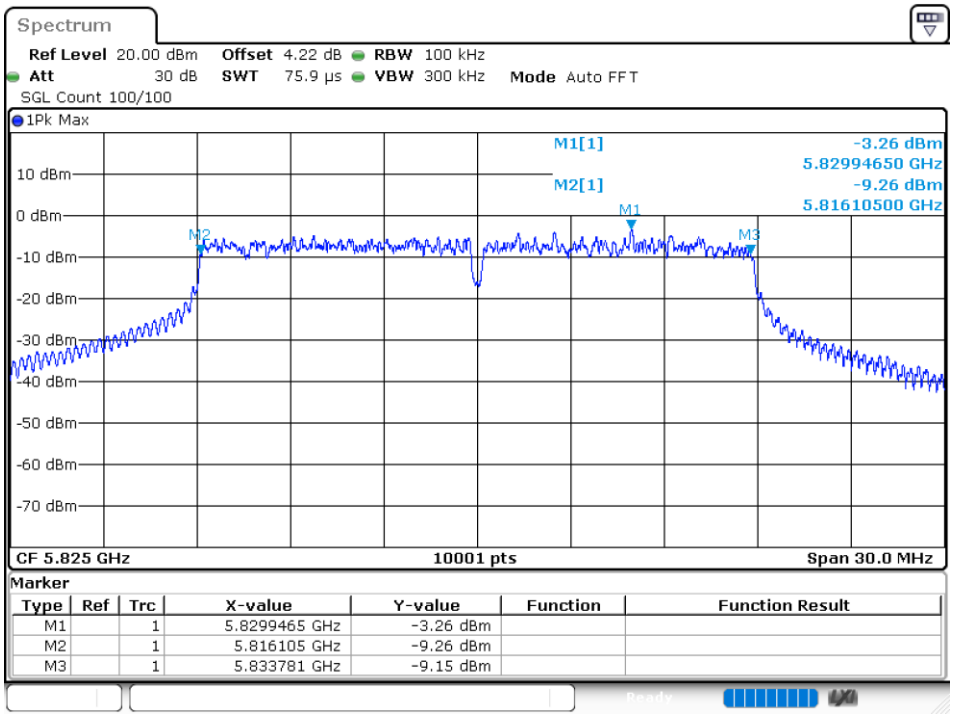
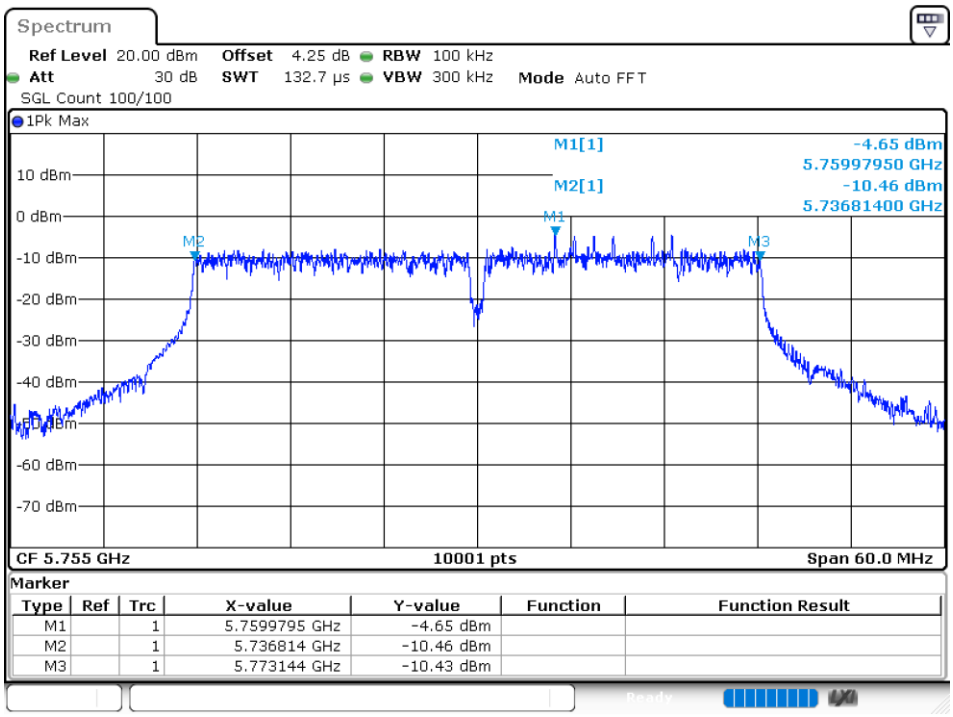
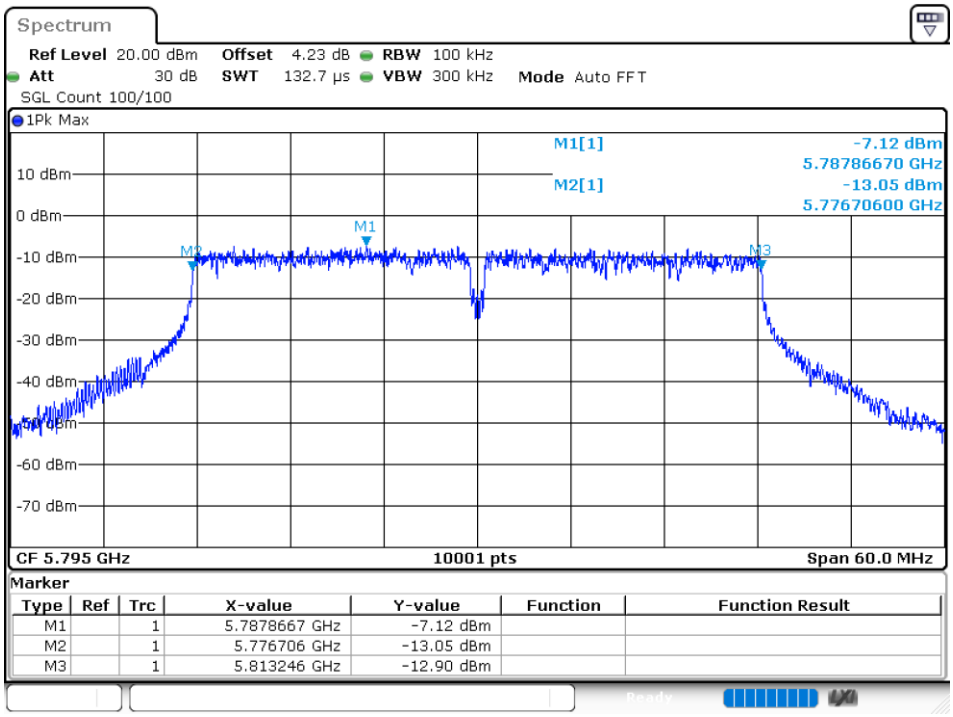
-6dB Bandwidth NVNT ac20 5825MHz Ant1



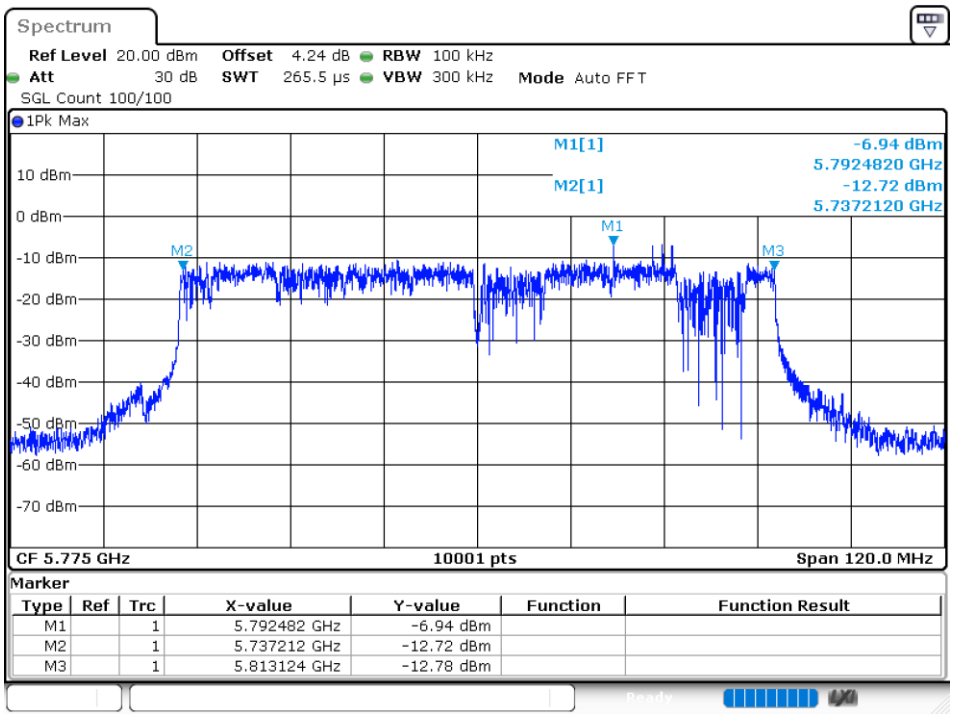
-6dB Bandwidth NVNT ac40 5755MHz Ant1



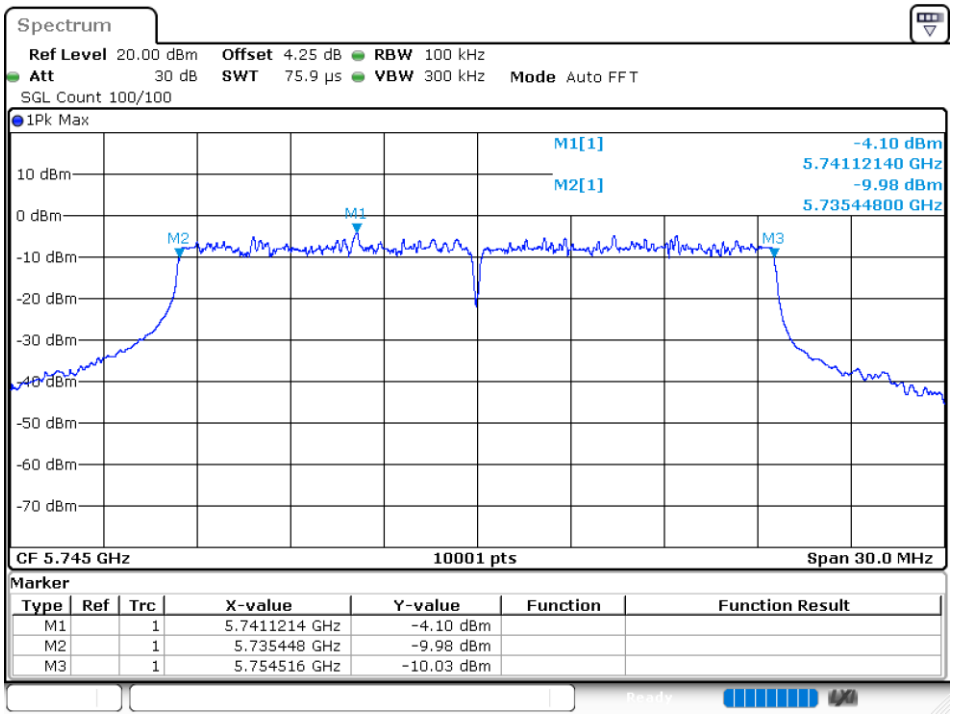
-6dB Bandwidth NVNT ac40 5795MHz Ant1



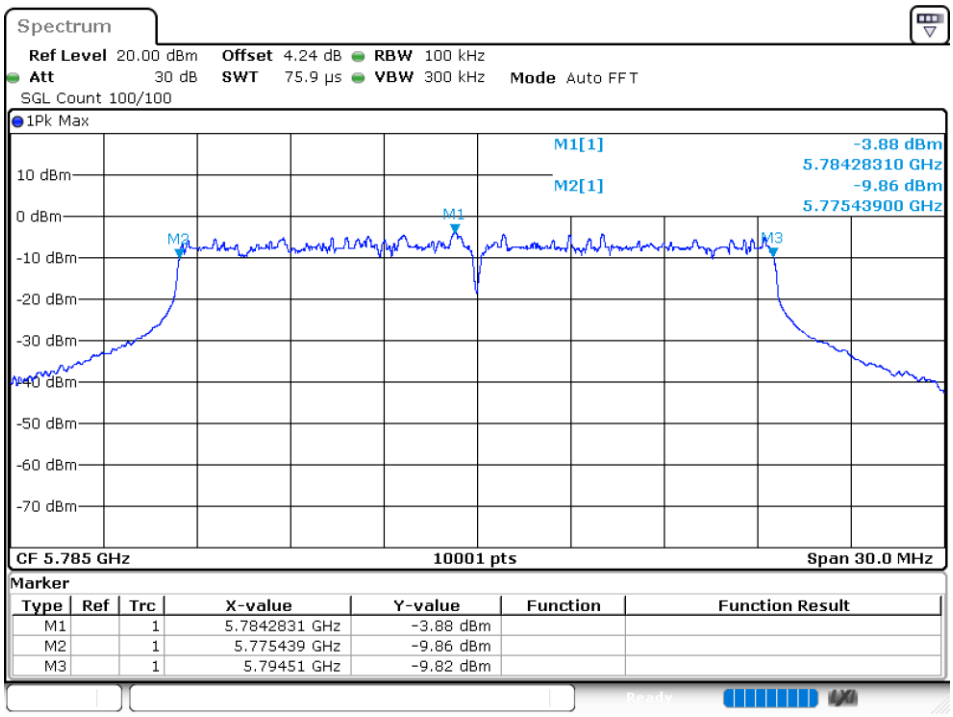
-6dB Bandwidth NVNT ac80 5775MHz Ant1



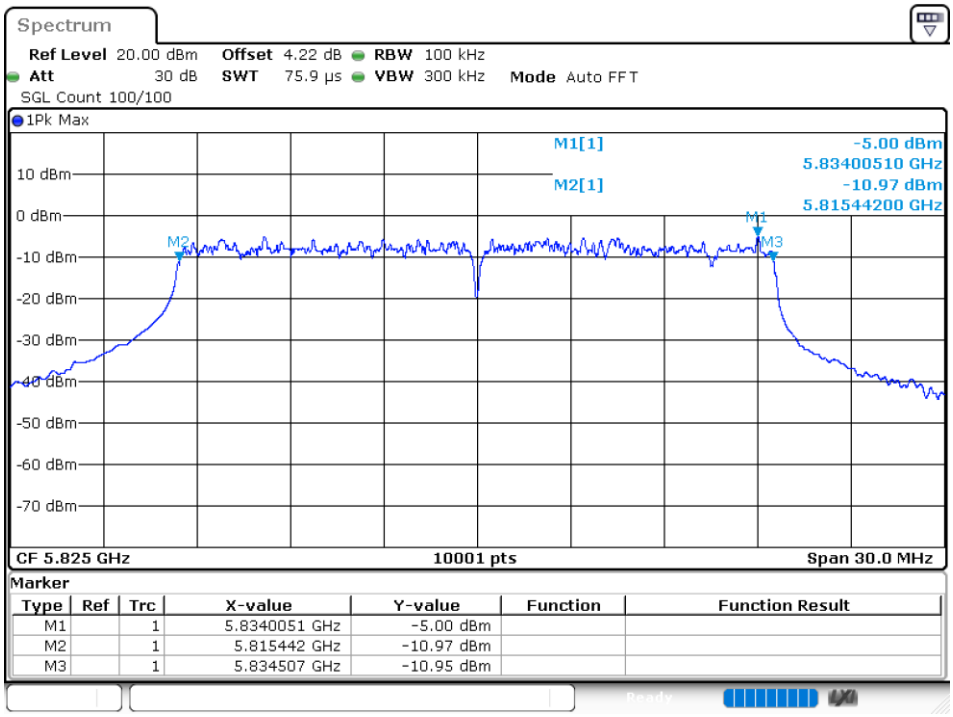
-6dB Bandwidth NVNT ax20 5745MHz Ant1



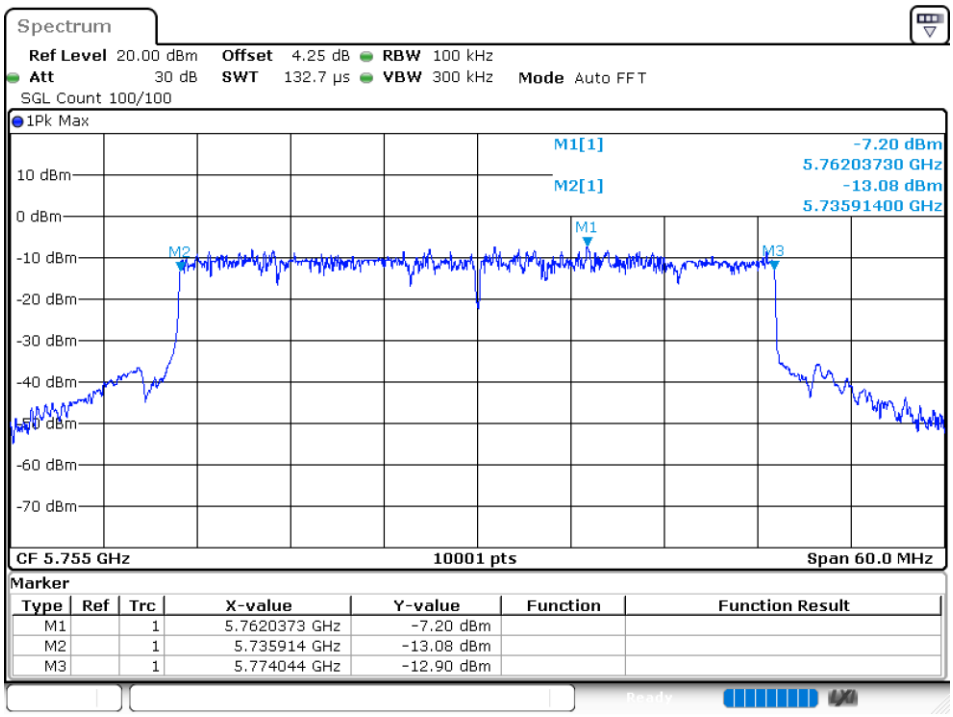
-6dB Bandwidth NVNT ax20 5785MHz Ant1



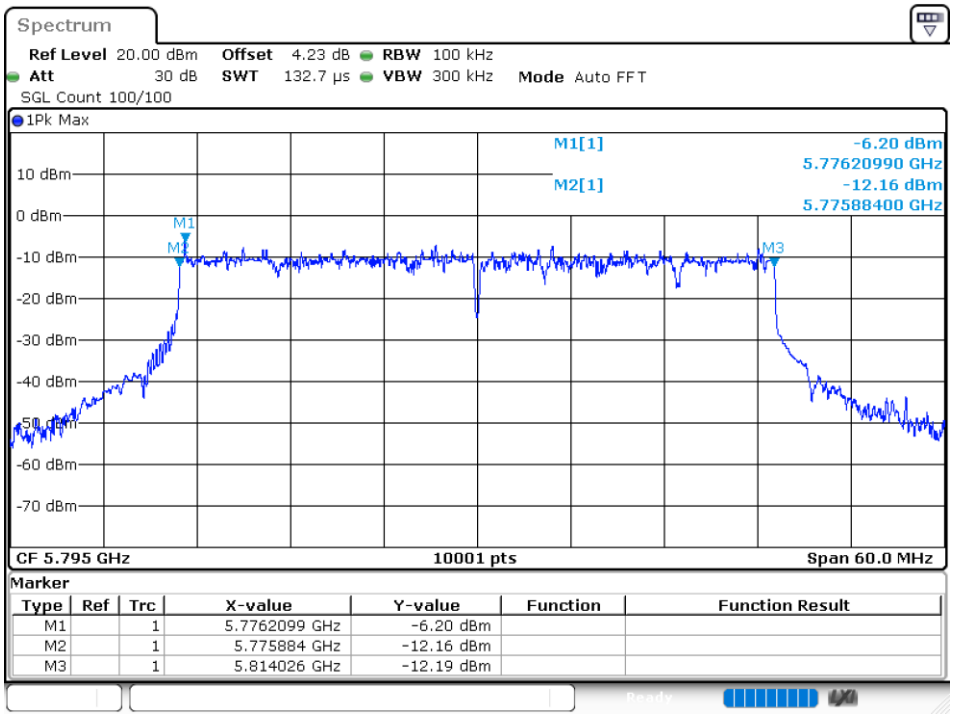
-6dB Bandwidth NVNT ax20 5825MHz Ant1



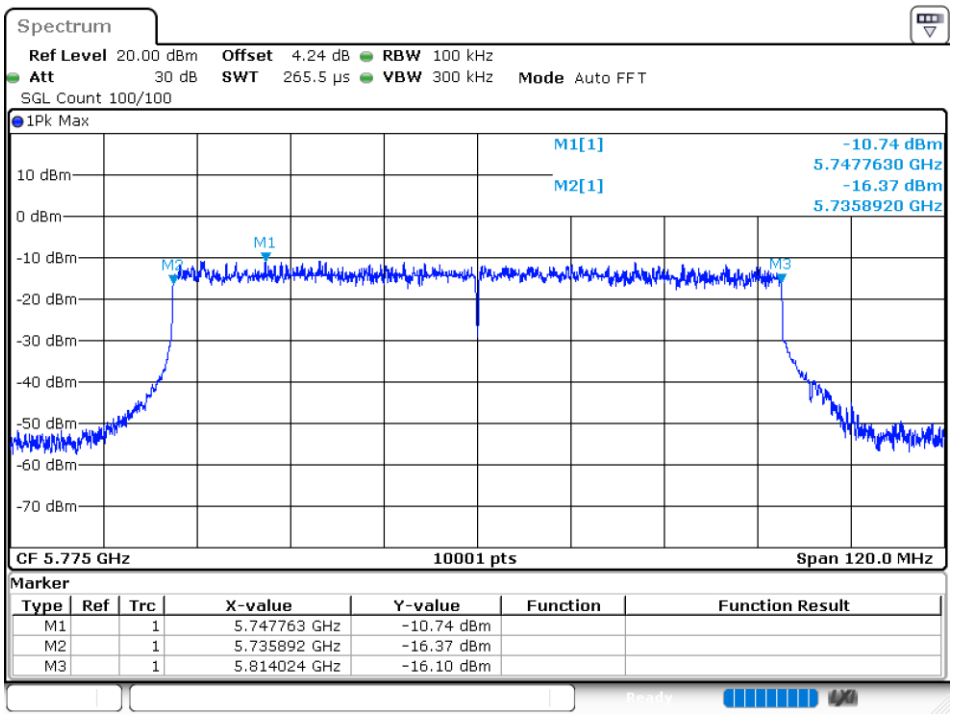
-6dB Bandwidth NVNT ax40 5755MHz Ant1



-6dB Bandwidth NVNT ax40 5795MHz Ant1



-6dB Bandwidth NVNT ax80 5775MHz Ant1

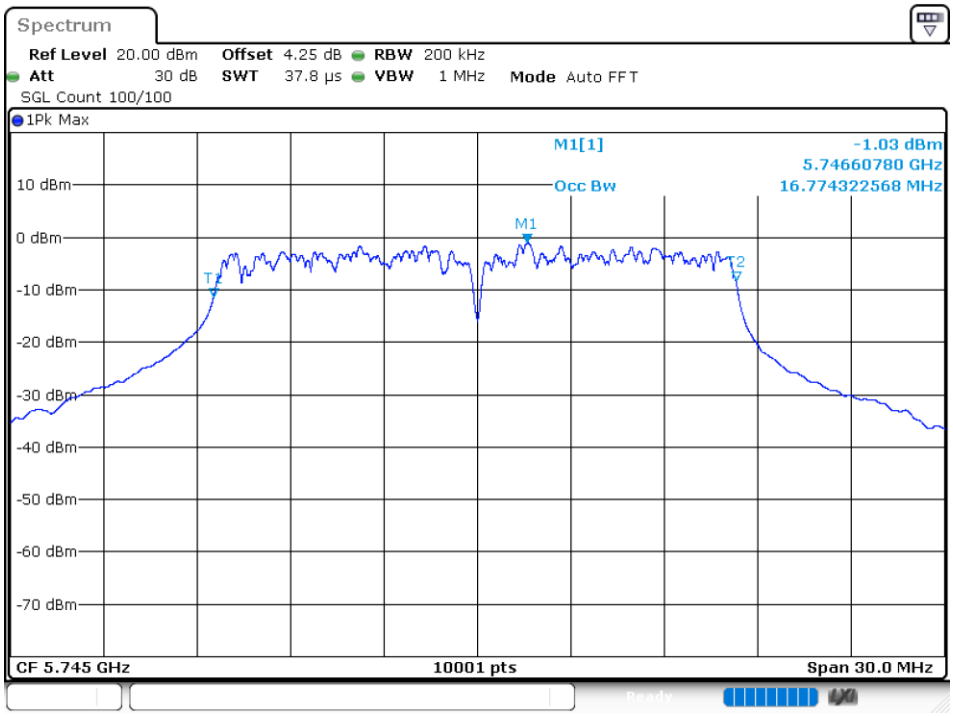


Occupied Channel Bandwidth

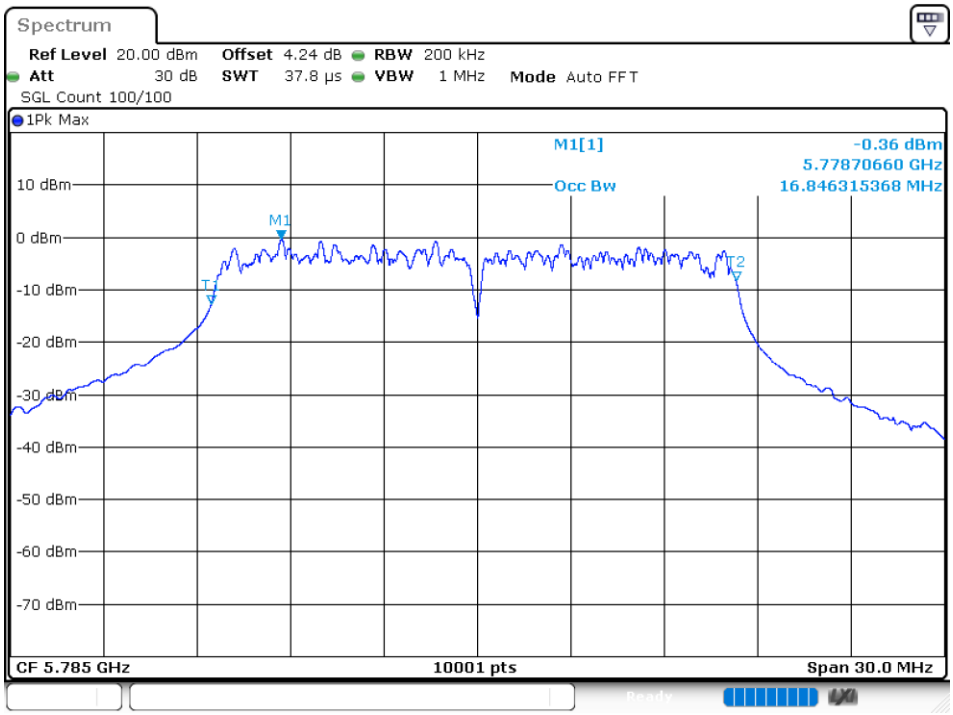
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.774
NVNT	a	5785	Ant1	16.846
NVNT	a	5825	Ant1	16.588
NVNT	n20	5745	Ant1	18.007
NVNT	n20	5785	Ant1	17.821
NVNT	n20	5825	Ant1	17.758
NVNT	n40	5755	Ant1	36.578
NVNT	n40	5795	Ant1	36.548
NVNT	ac20	5745	Ant1	17.704
NVNT	ac20	5785	Ant1	17.863
NVNT	ac20	5825	Ant1	18.25
NVNT	ac40	5755	Ant1	36.584
NVNT	ac40	5795	Ant1	36.56
NVNT	ac80	5775	Ant1	76.048
NVNT	ax20	5745	Ant1	19.132
NVNT	ax20	5785	Ant1	19.042
NVNT	ax20	5825	Ant1	18.991
NVNT	ax40	5755	Ant1	37.94
NVNT	ax40	5795	Ant1	37.916
NVNT	ax80	5775	Ant1	77.572

Test Graphs

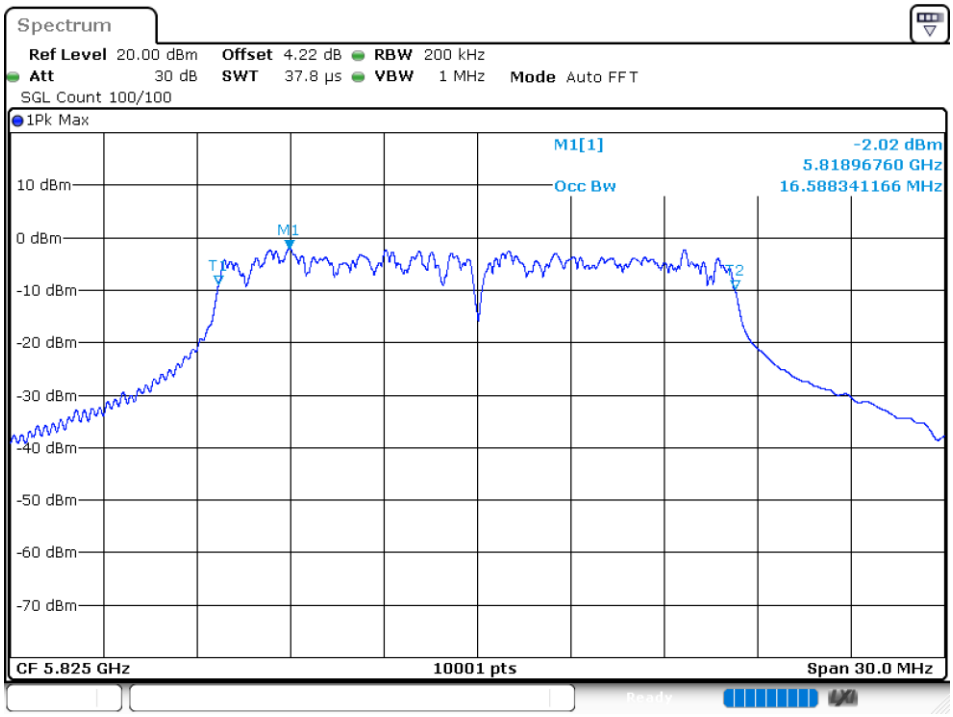
OBW NVNT a 5745MHz Ant1



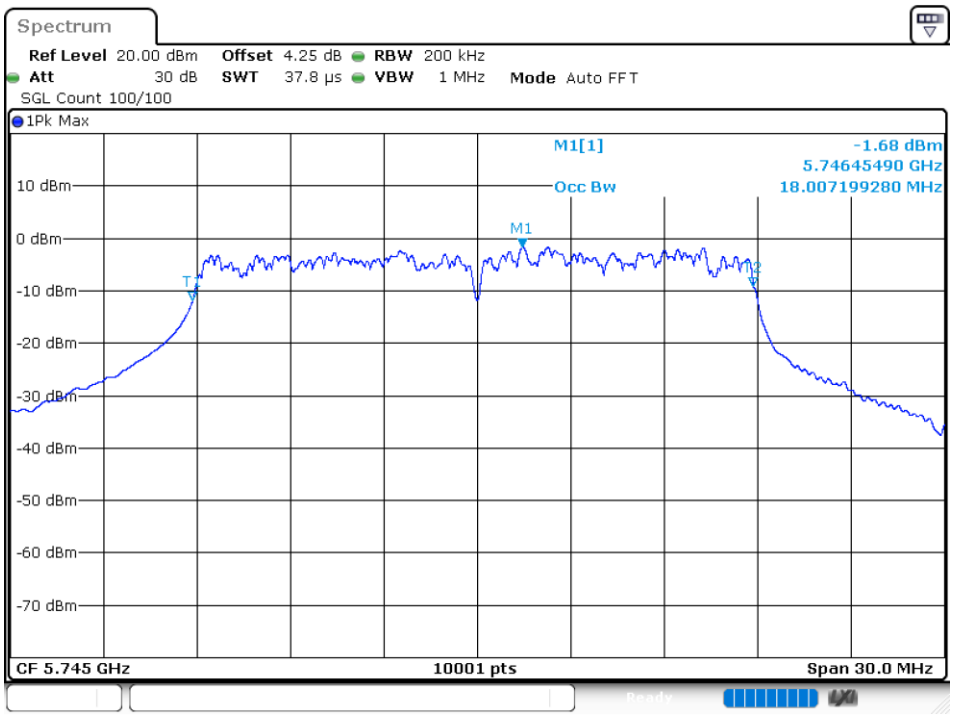
OBW NVNT a 5785MHz Ant1



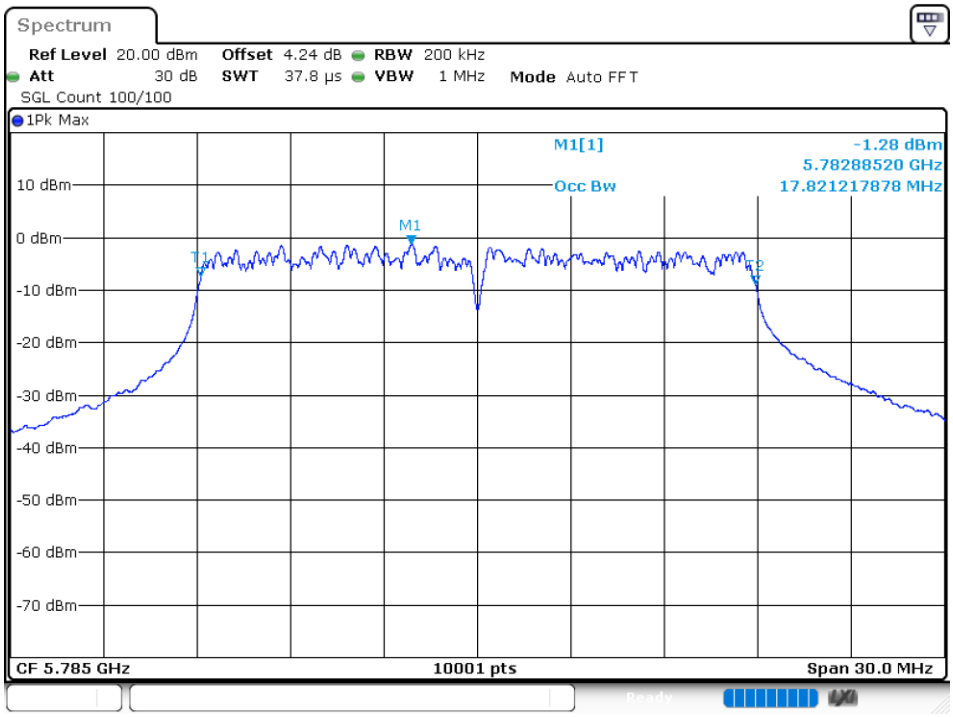
OBW NVNT a 5825MHz Ant1



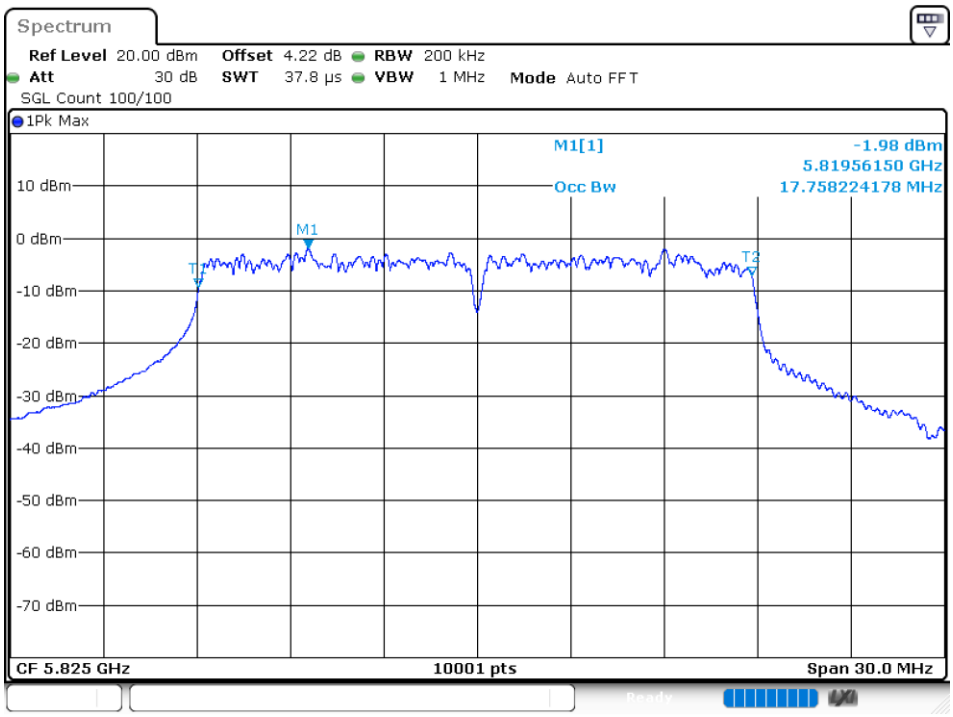
OBW NVNT n20 5745MHz Ant1



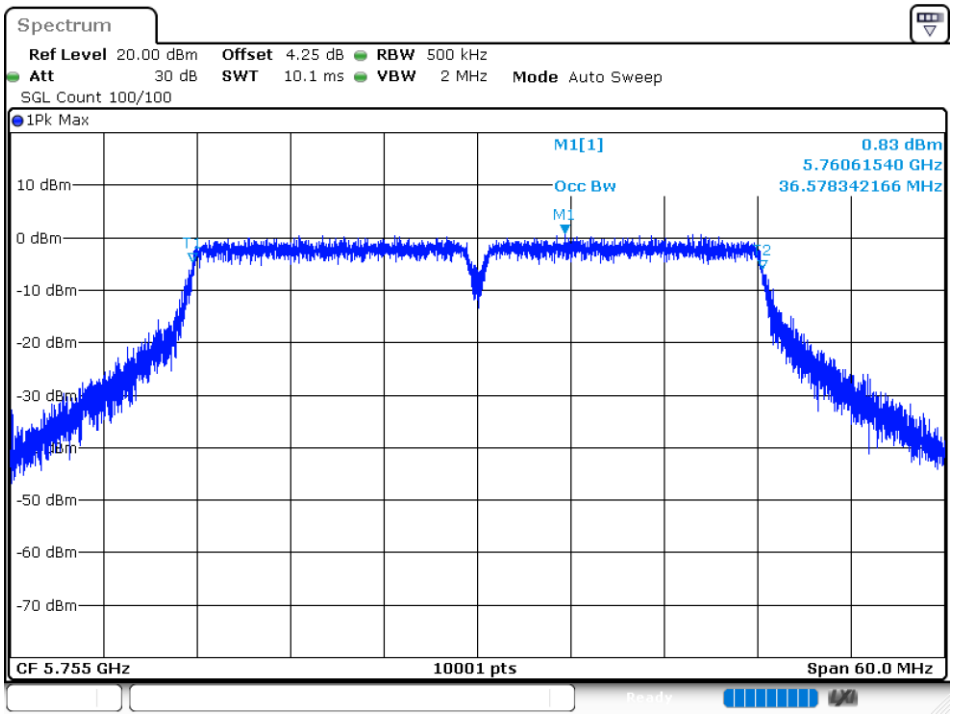
OBW NVNT n20 5785MHz Ant1



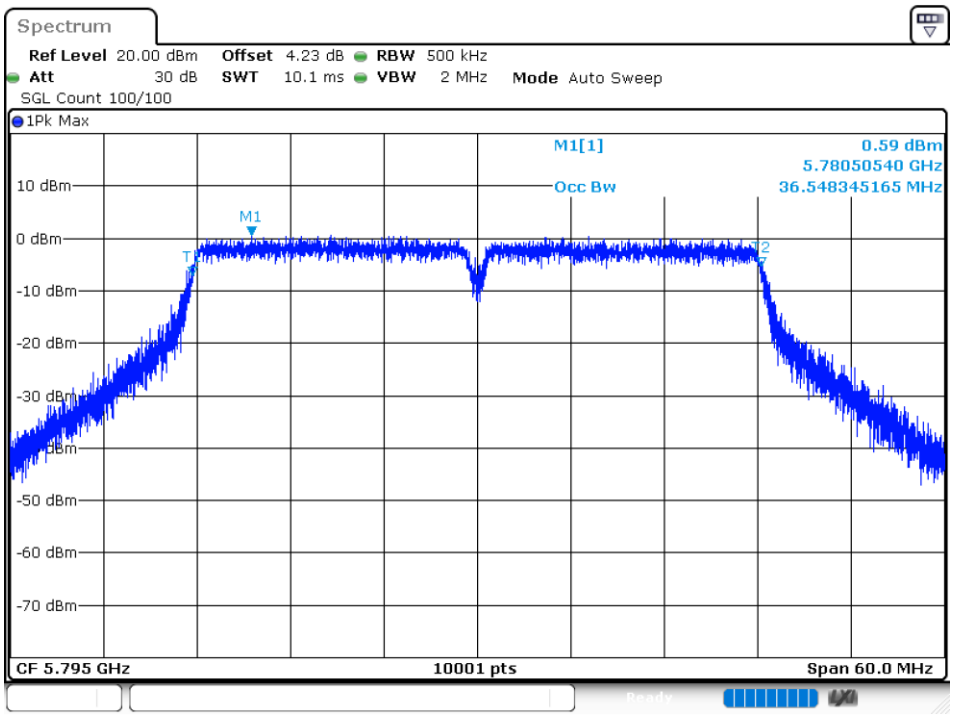
OBW NVNT n20 5825MHz Ant1



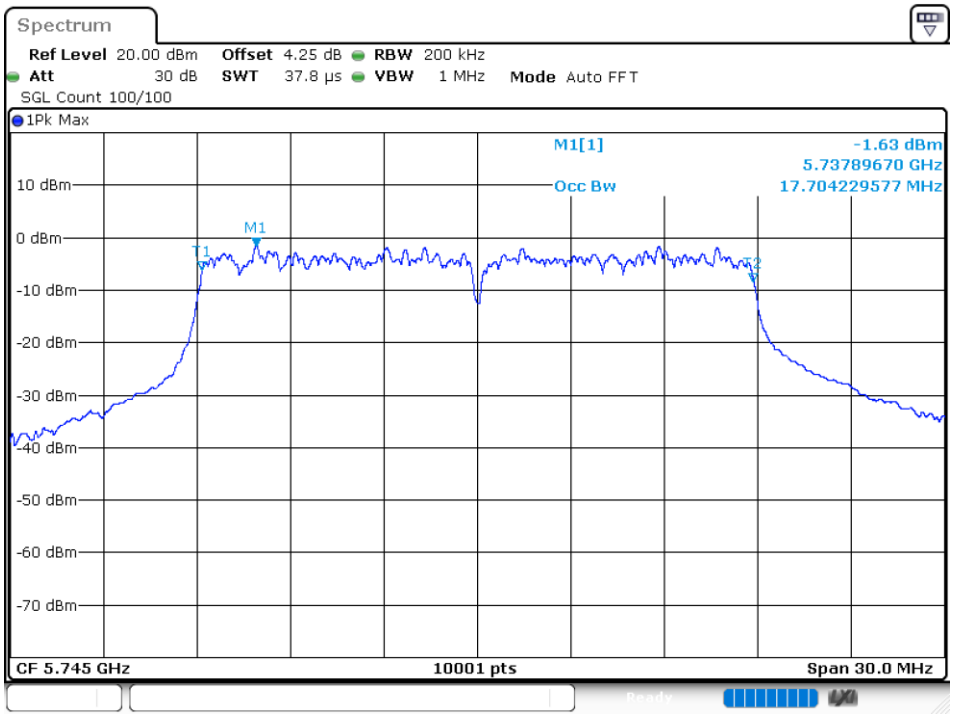
OBW NVNT n40 5755MHz Ant1



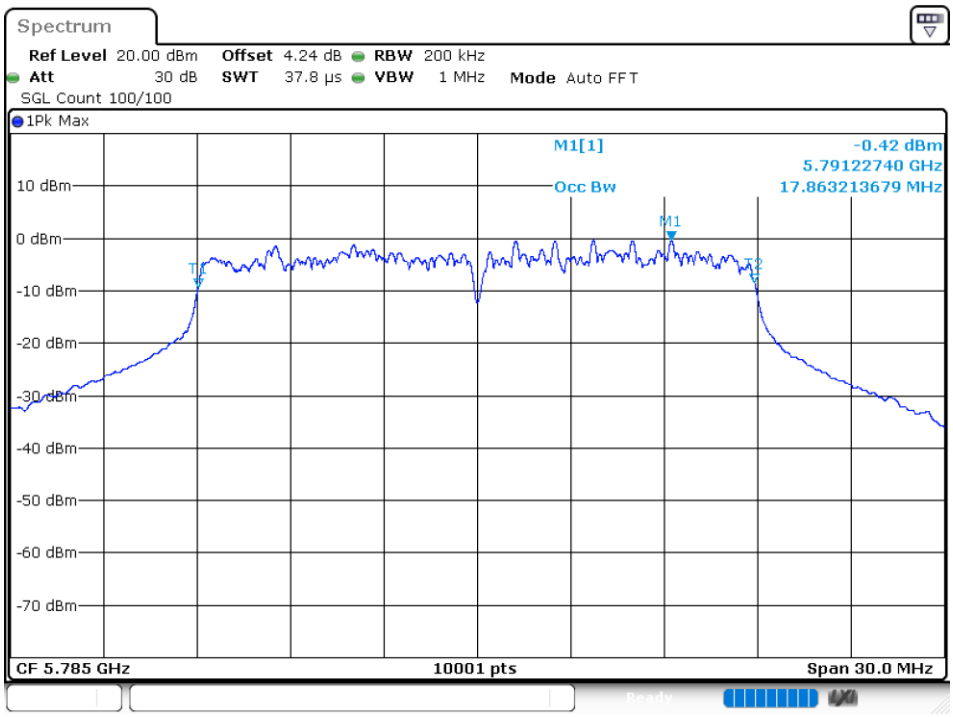
OBW NVNT n40 5795MHz Ant1



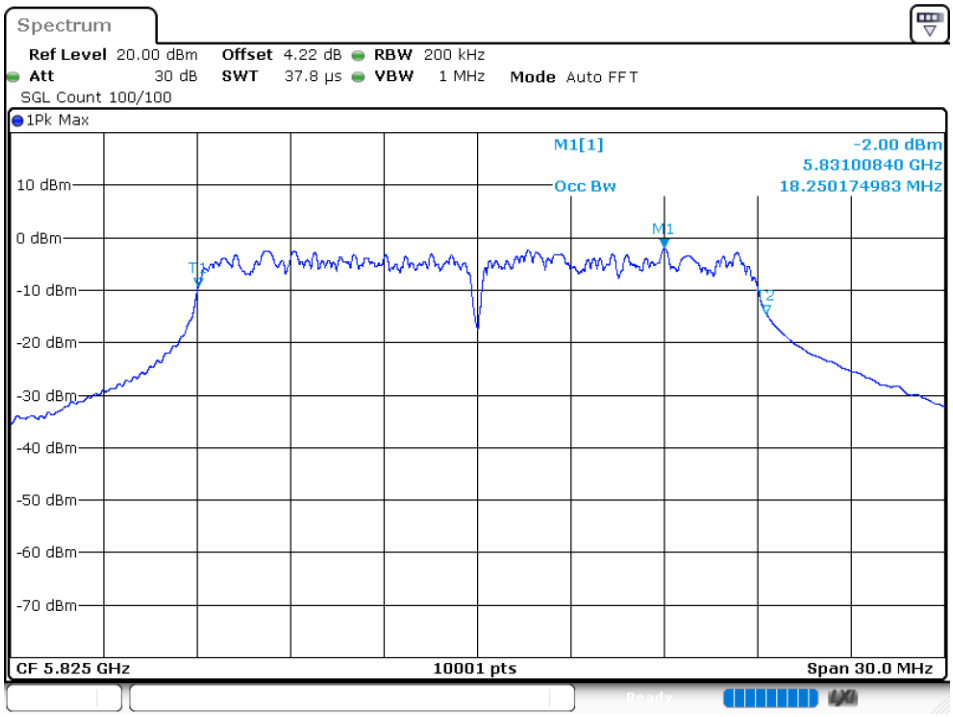
OBW NVNT ac20 5745MHz Ant1



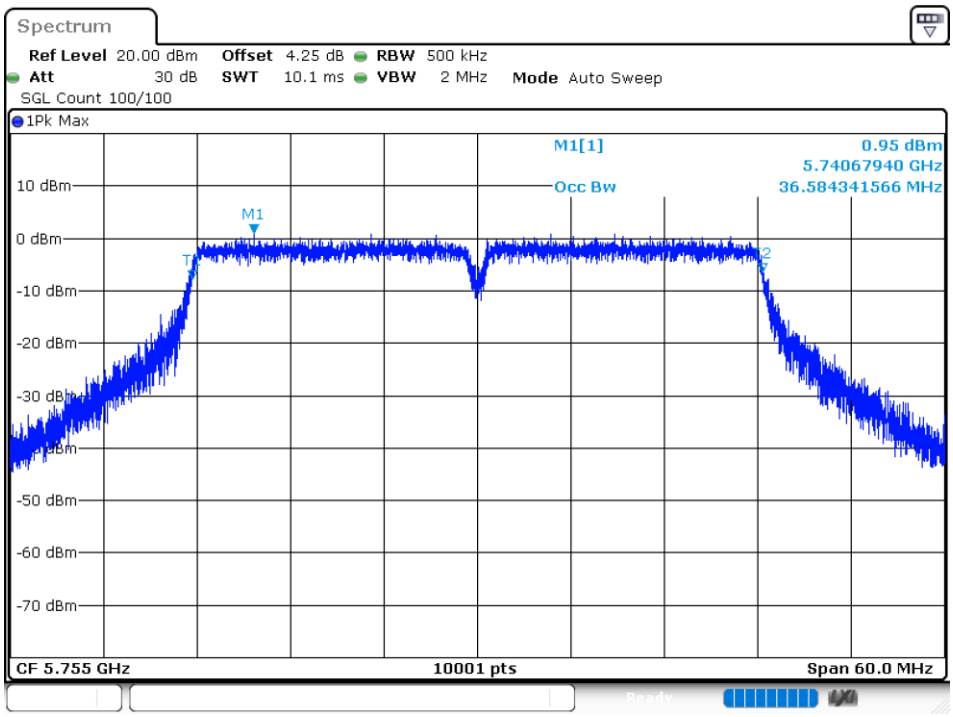
OBW NVNT ac20 5785MHz Ant1



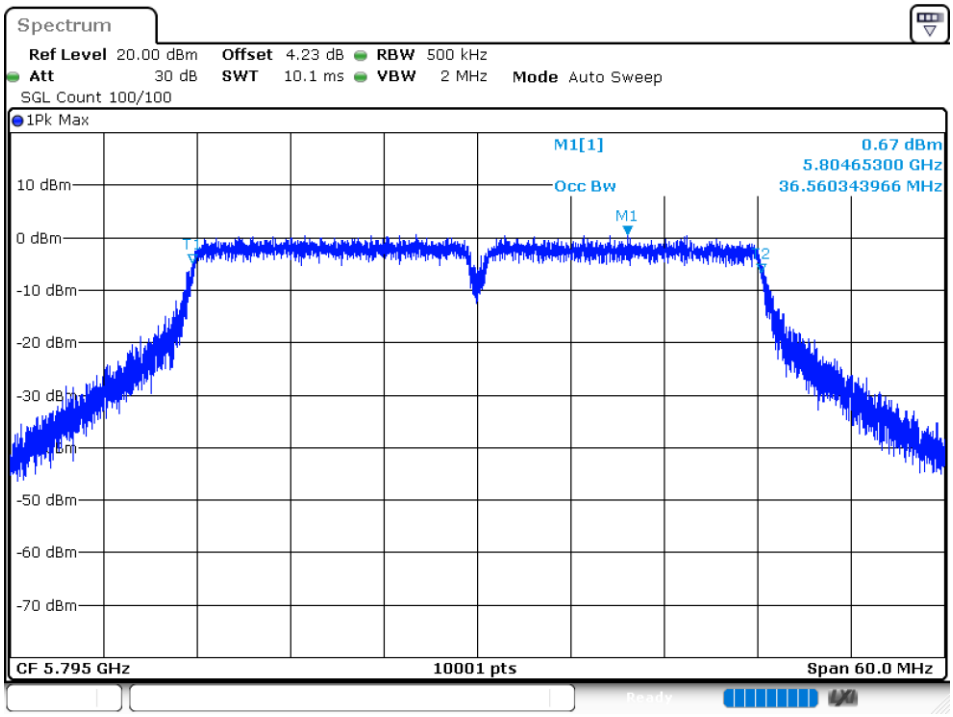
OBW NVNT ac20 5825MHz Ant1



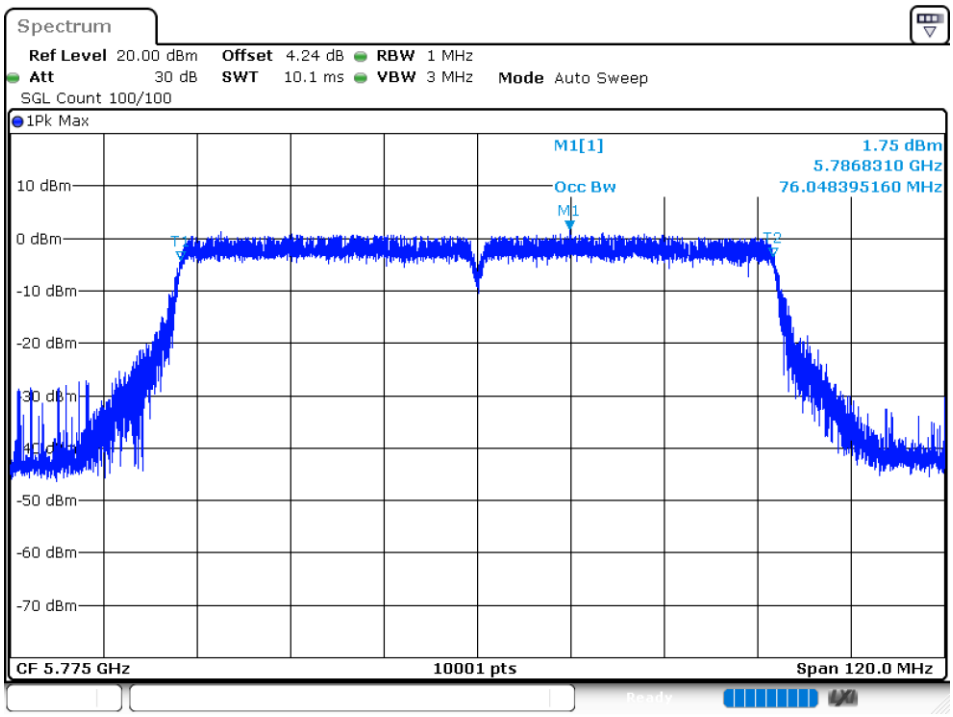
OBW NVNT ac40 5755MHz Ant1



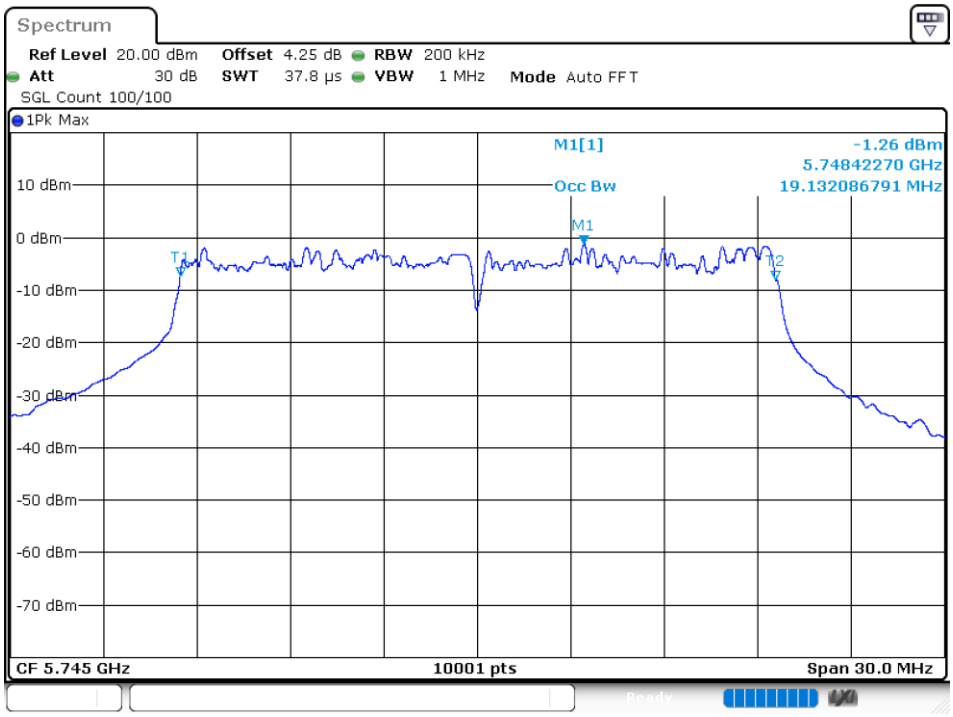
OBW NVNT ac40 5795MHz Ant1



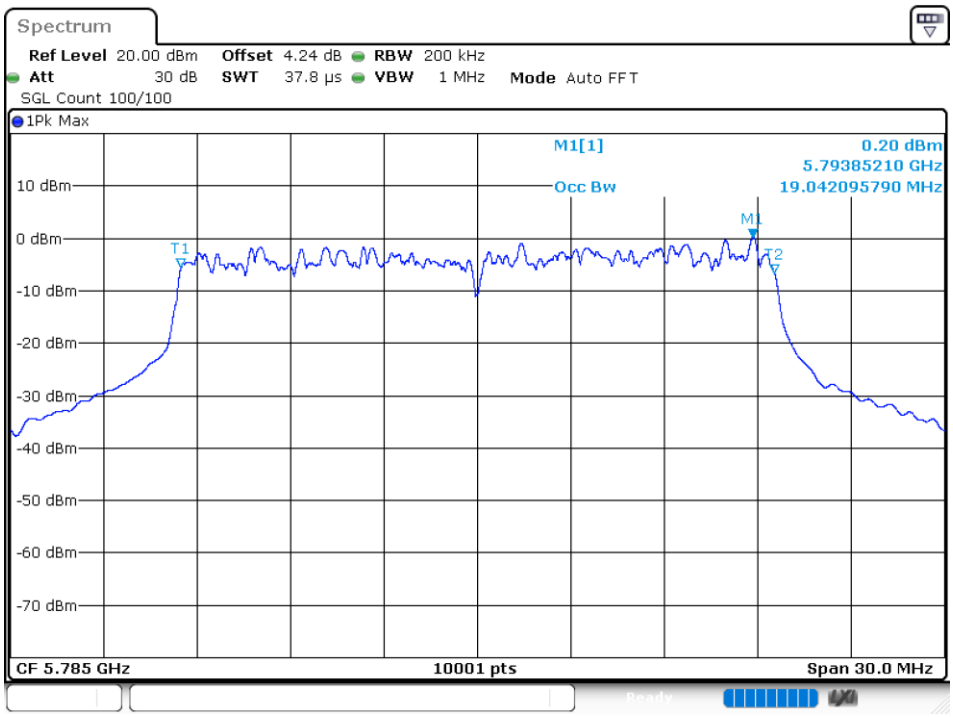
OBW NVNT ac80 5775MHz Ant1



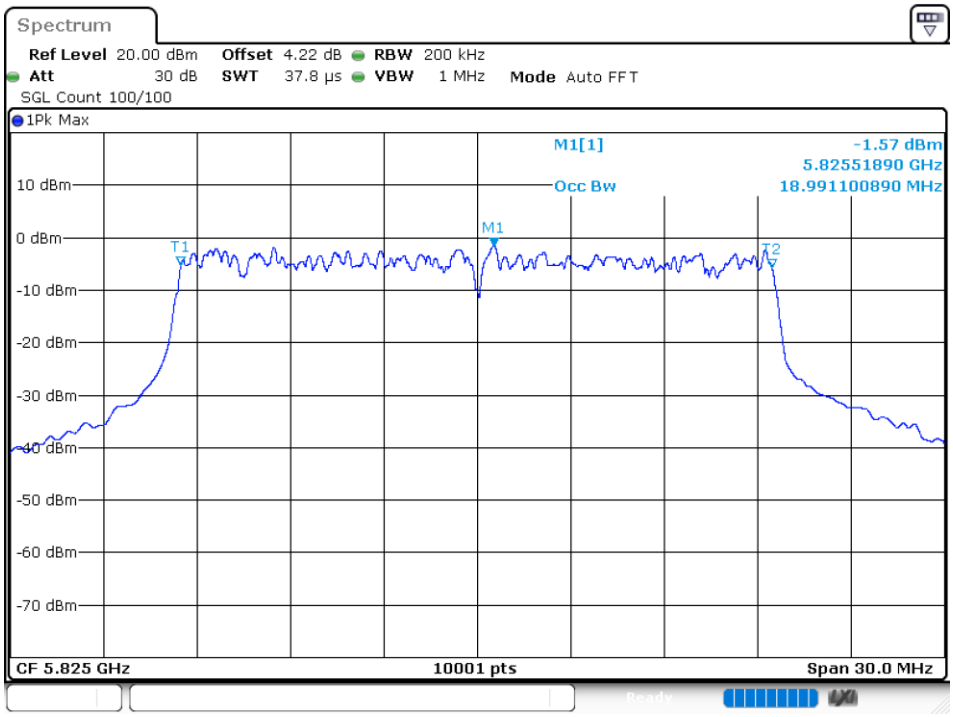
OBW NVNT ax20 5745MHz Ant1



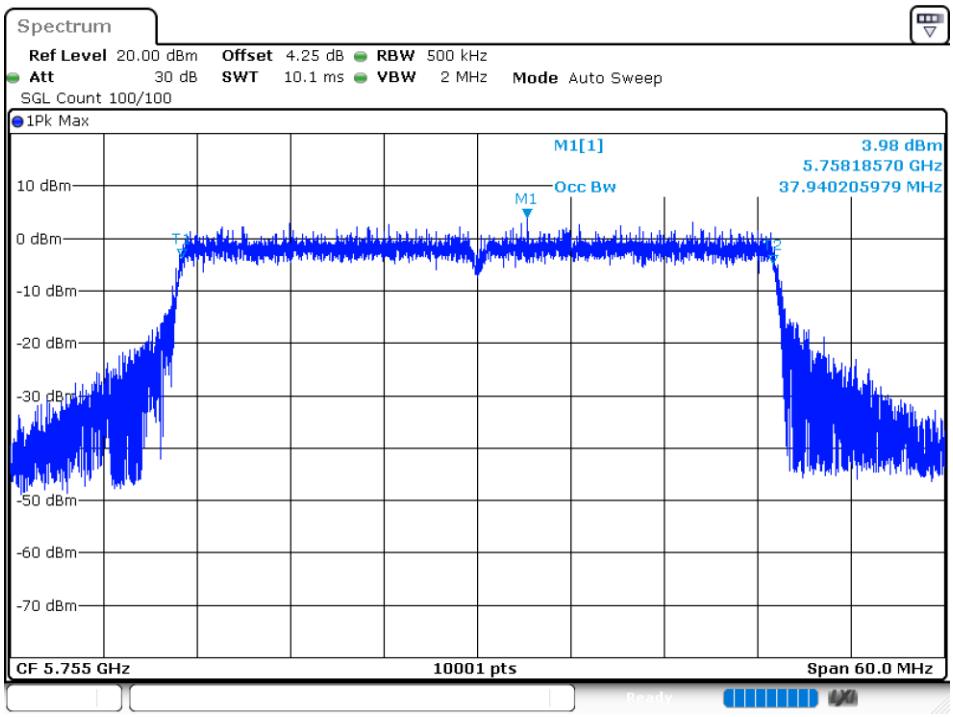
OBW NVNT ax20 5785MHz Ant1



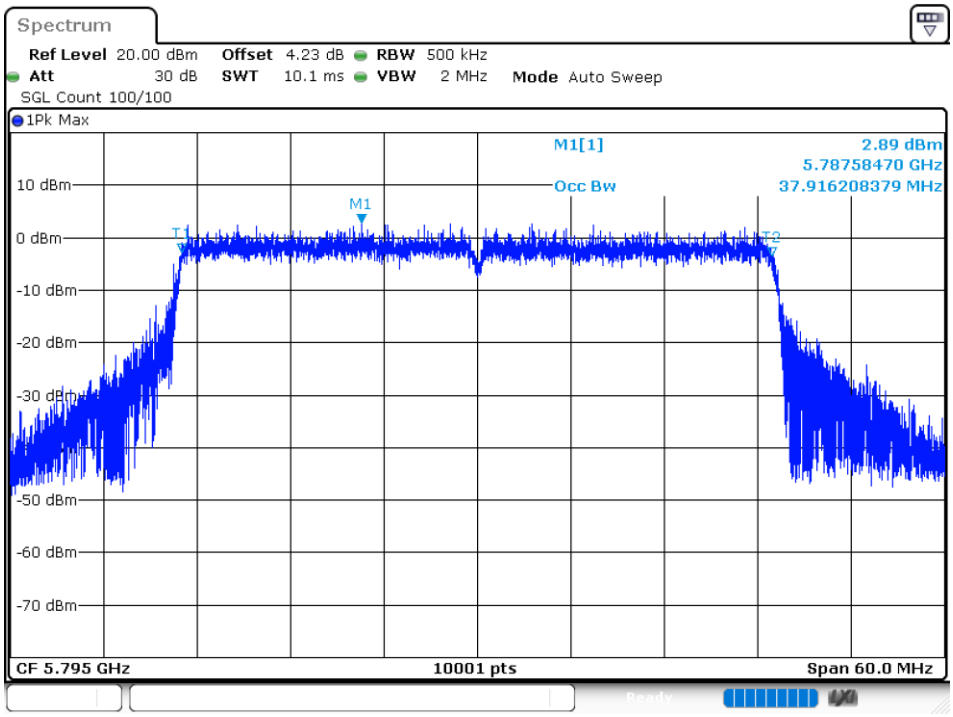
OBW NVNT ax20 5825MHz Ant1



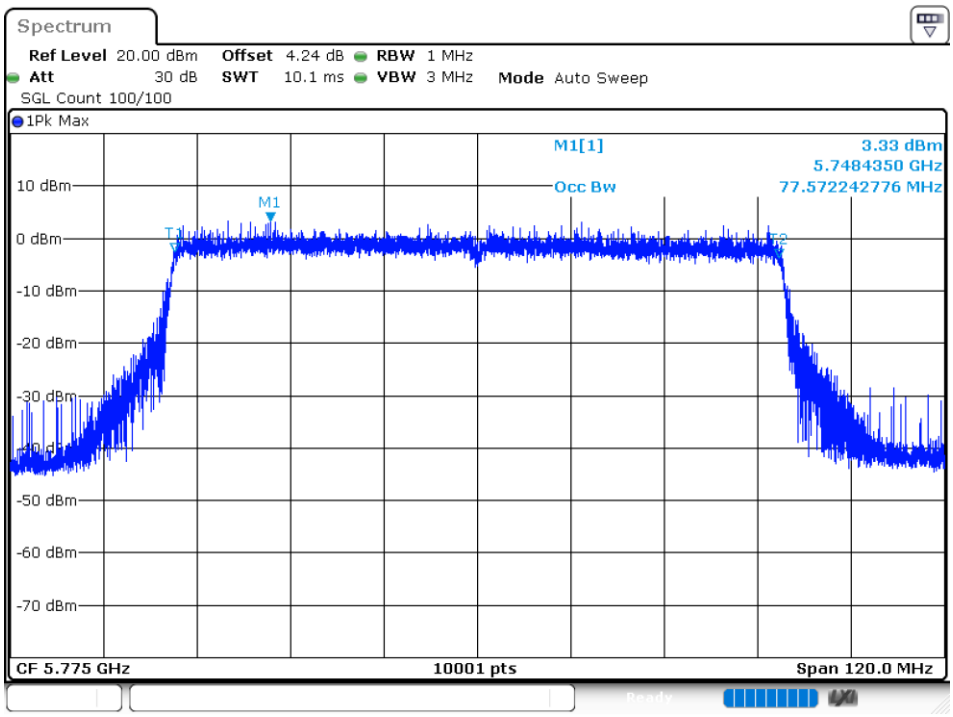
OBW NVNT ax40 5755MHz Ant1



OBW NVNT ax40 5795MHz Ant1



OBW NVNT ax80 5775MHz Ant1

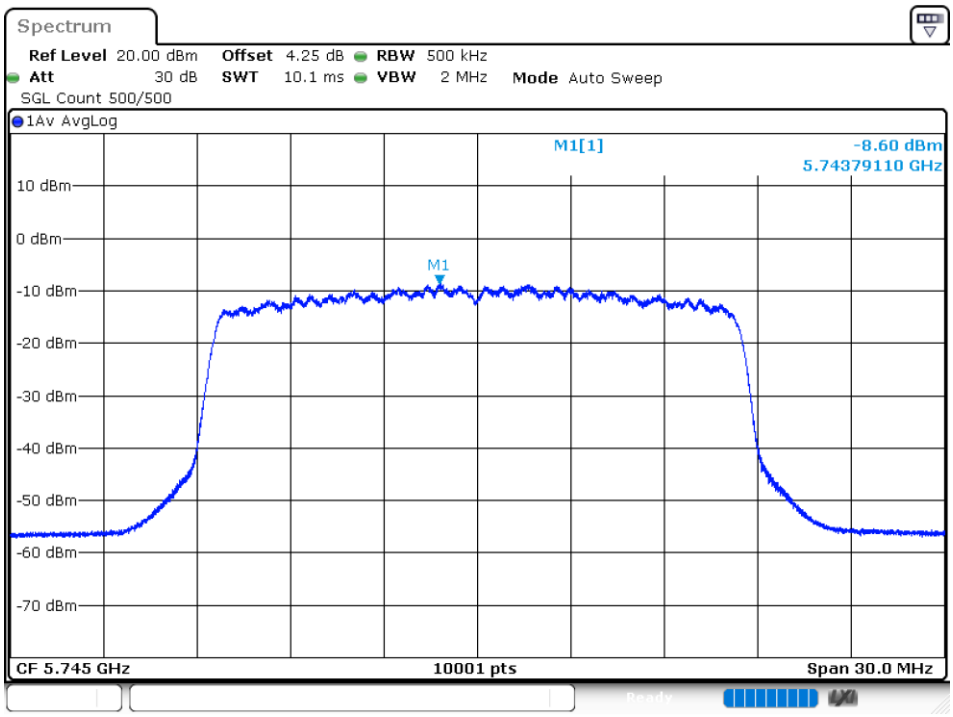


Maximum Power Spectral Density Level

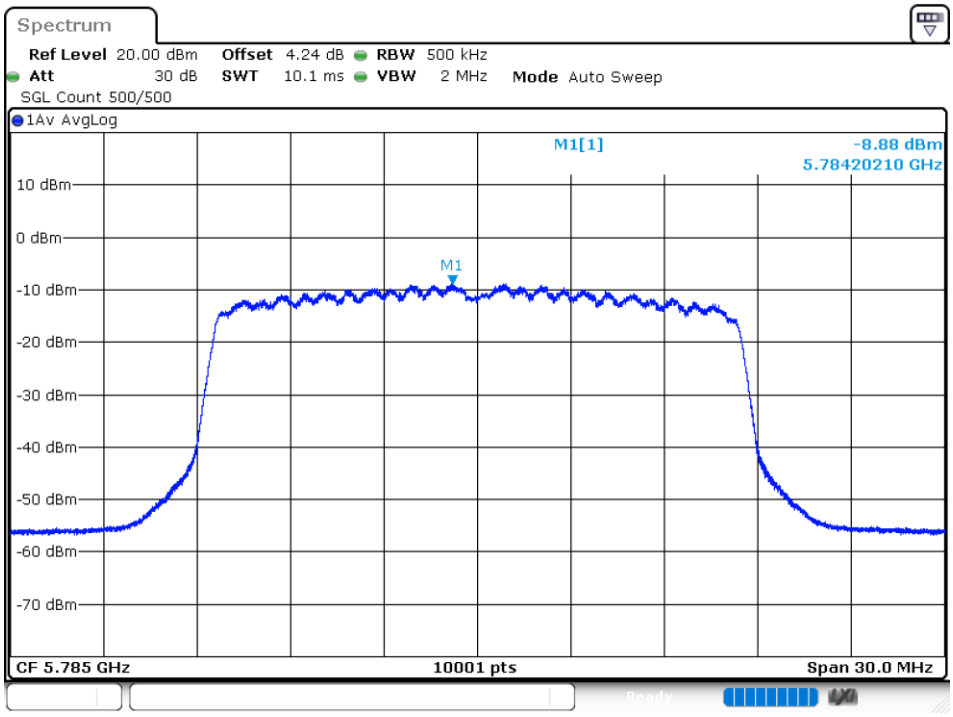
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-8.6	0.28	-8.32	30	Pass
NVNT	a	5785	Ant1	-8.88	0.29	-8.59	30	Pass
NVNT	a	5825	Ant1	-9.14	0.28	-8.86	30	Pass
NVNT	n20	5745	Ant1	-9.2	0.31	-8.89	30	Pass
NVNT	n20	5785	Ant1	-9.37	0.31	-9.06	30	Pass
NVNT	n20	5825	Ant1	-9.28	0.31	-8.97	30	Pass
NVNT	n40	5755	Ant1	-13.25	0.59	-12.66	30	Pass
NVNT	n40	5795	Ant1	-14.15	0.59	-13.56	30	Pass
NVNT	ac20	5745	Ant1	-9.1	0.31	-8.79	30	Pass
NVNT	ac20	5785	Ant1	-9.48	0.31	-9.17	30	Pass
NVNT	ac20	5825	Ant1	-9.79	0.31	-9.48	30	Pass
NVNT	ac40	5755	Ant1	-14.27	0.58	-13.69	30	Pass
NVNT	ac40	5795	Ant1	-14.13	0.59	-13.54	30	Pass
NVNT	ac80	5775	Ant1	-20.33	1.09	-19.24	30	Pass
NVNT	ax20	5745	Ant1	-11.23	0.7	-10.53	30	Pass
NVNT	ax20	5785	Ant1	-10.98	0.7	-10.28	30	Pass
NVNT	ax20	5825	Ant1	-12.92	0.7	-12.22	30	Pass
NVNT	ax40	5755	Ant1	-14.61	0.7	-13.91	30	Pass
NVNT	ax40	5795	Ant1	-14.56	0.7	-13.86	30	Pass
NVNT	ax80	5775	Ant1	-20.16	1.21	-18.95	30	Pass

Test Graphs

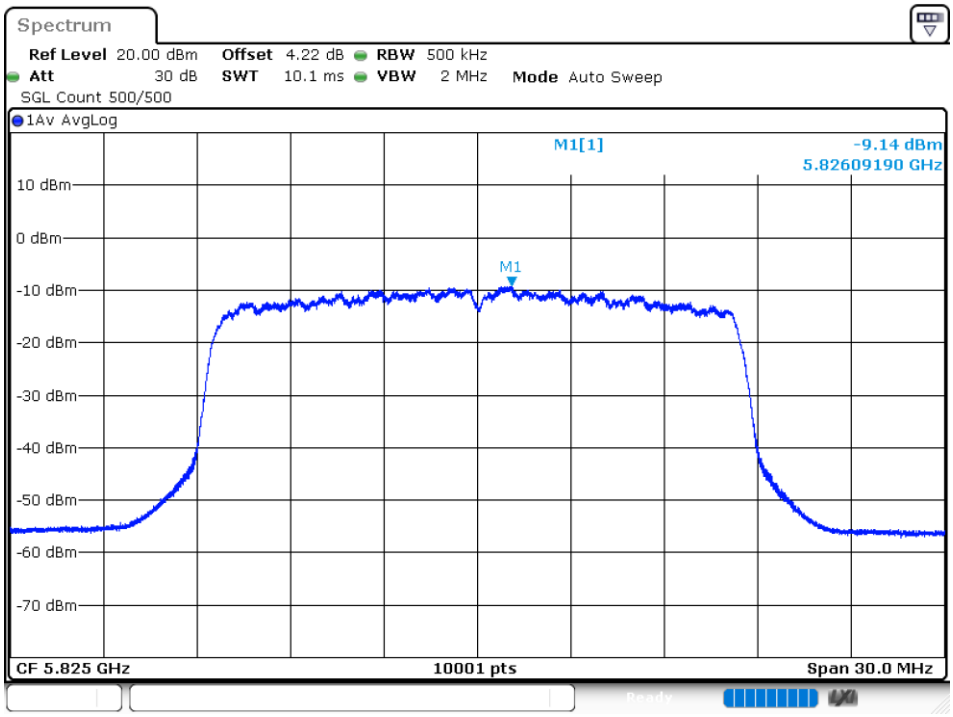
PSD NVNT a 5745MHz Ant1



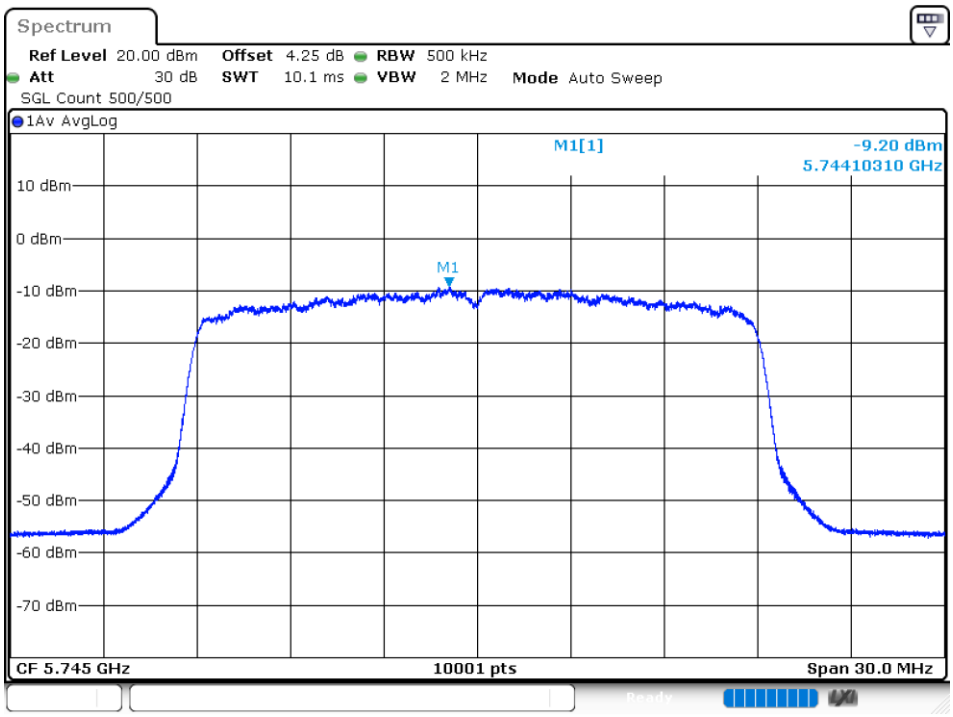
PSD NVNT a 5785MHz Ant1



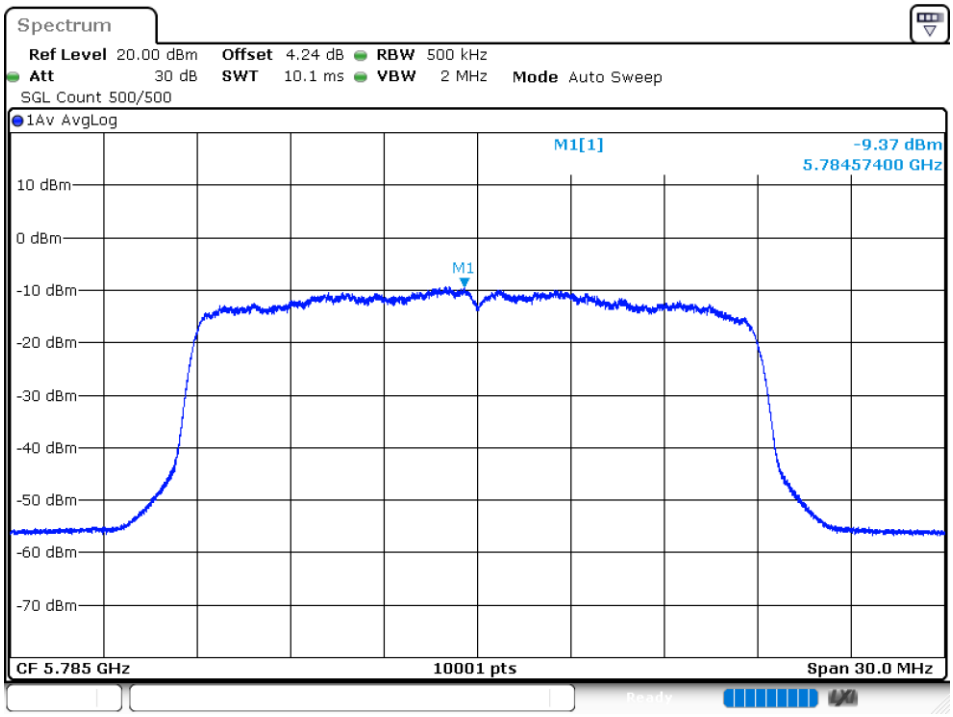
PSD NVNT a 5825MHz Ant1



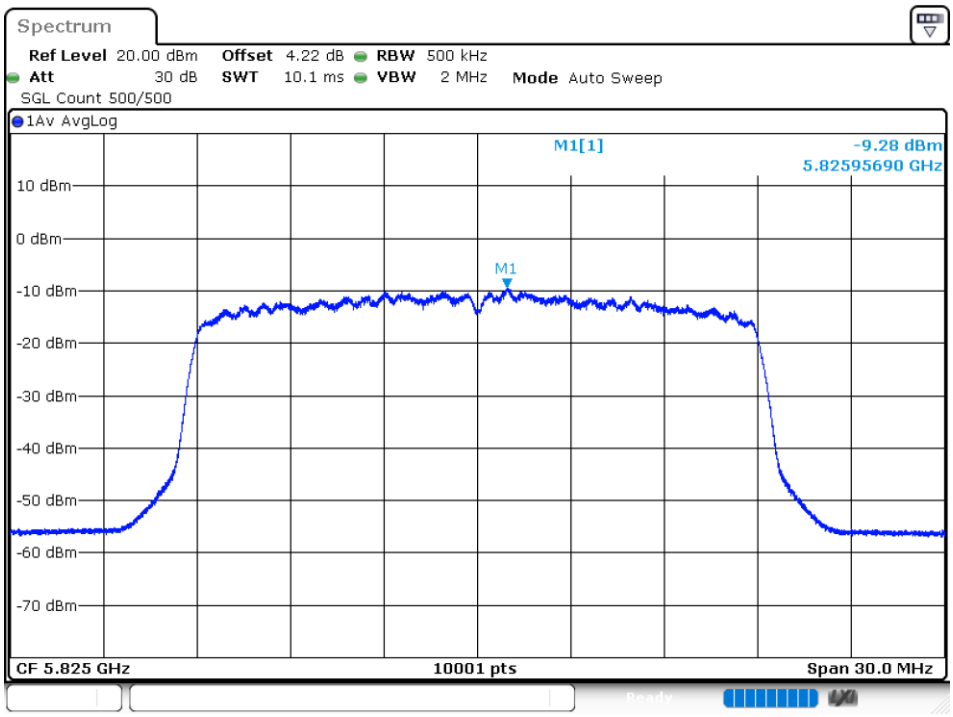
PSD NVNT n20 5745MHz Ant1



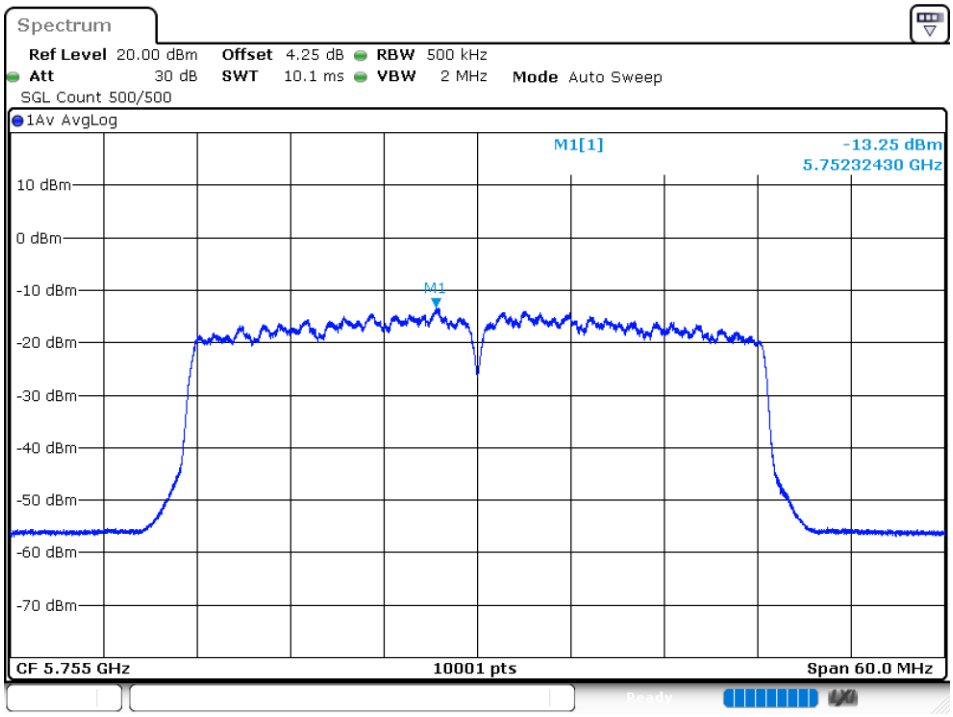
PSD NVNT n20 5785MHz Ant1



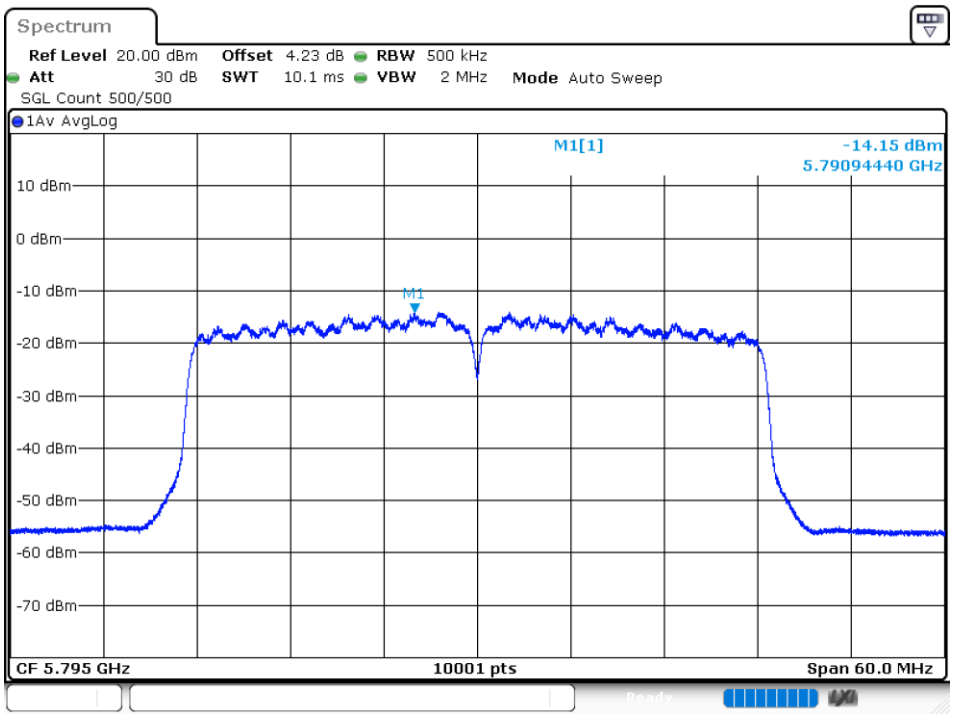
PSD NVNT n20 5825MHz Ant1



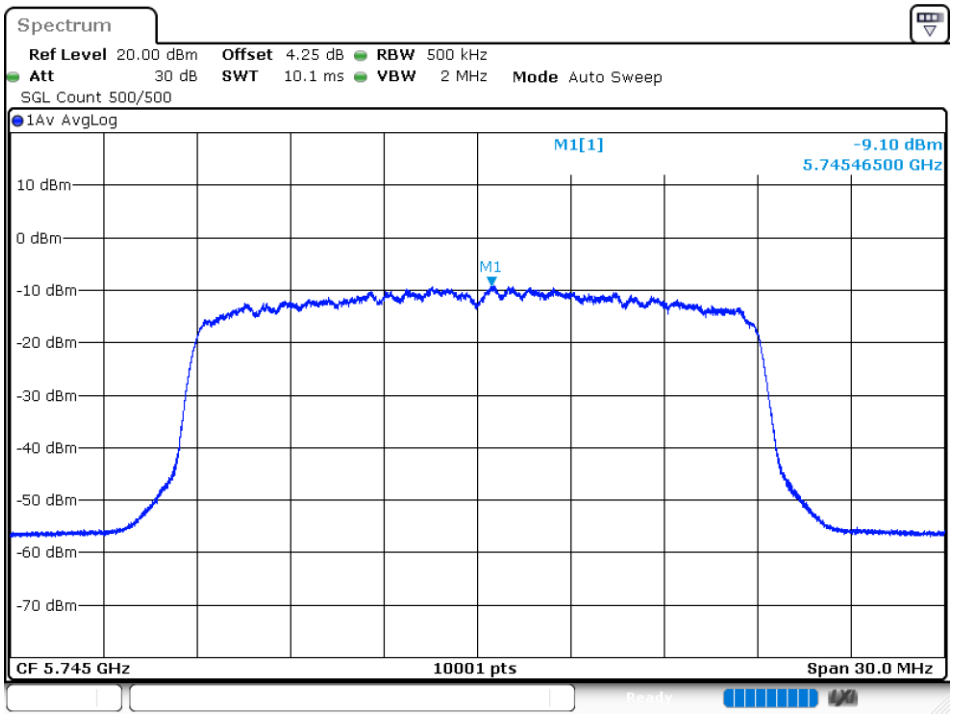
PSD NVNT n40 5755MHz Ant1



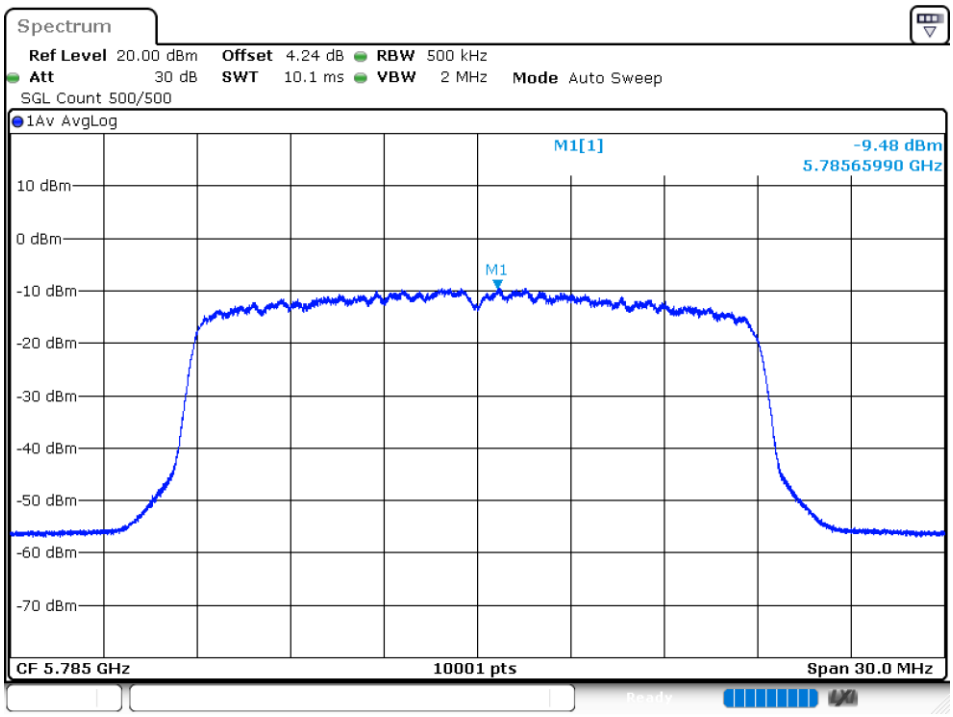
PSD NVNT n40 5795MHz Ant1



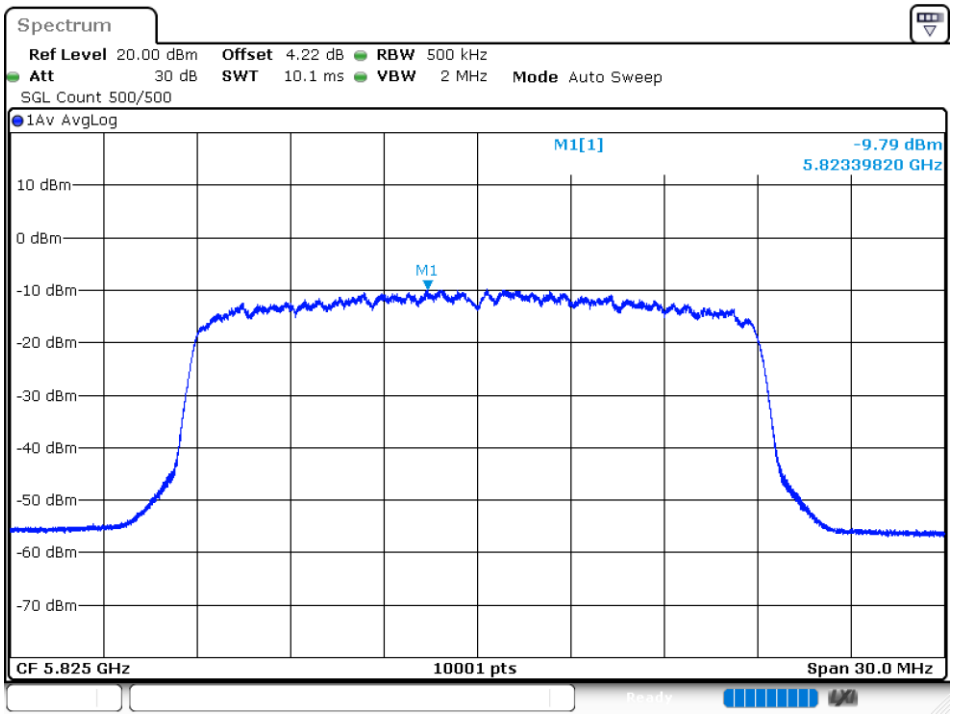
PSD NVNT ac20 5745MHz Ant1



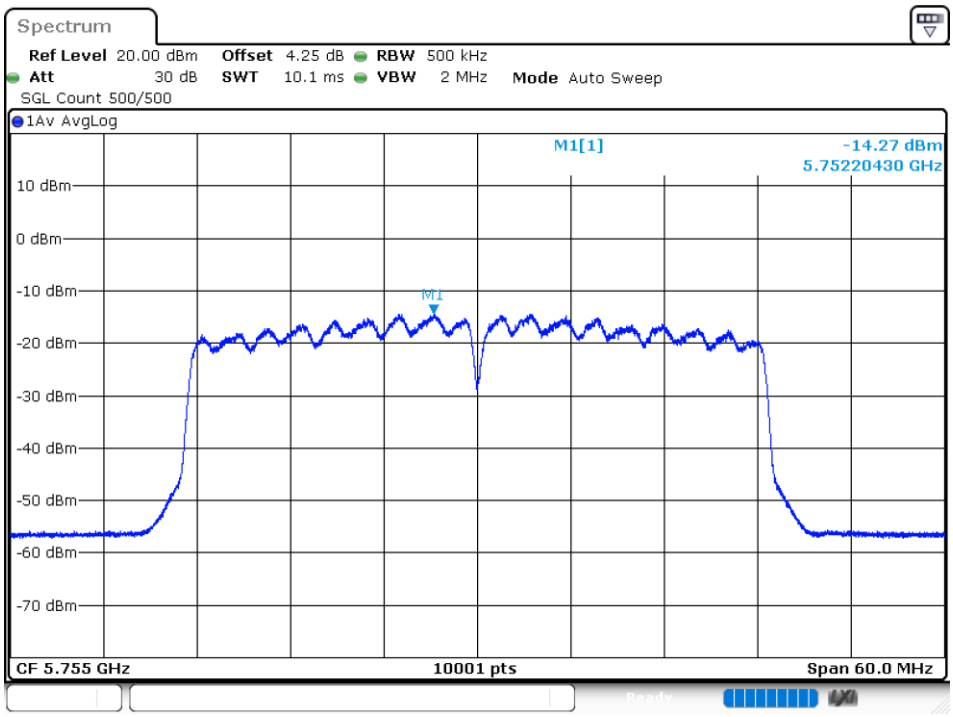
PSD NVNT ac20 5785MHz Ant1



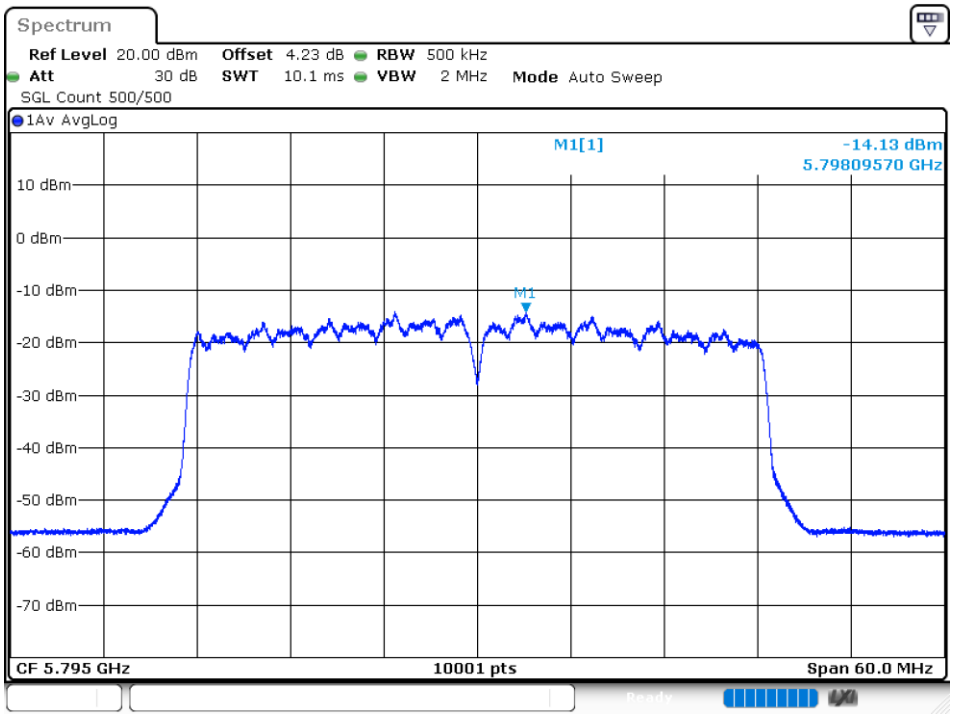
PSD NVNT ac20 5825MHz Ant1



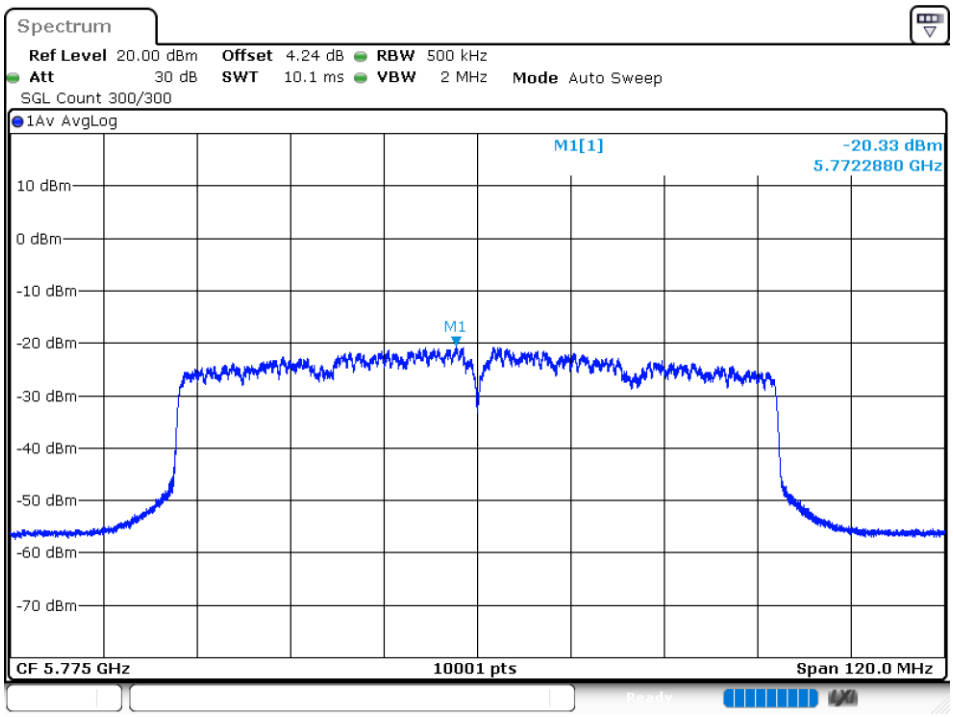
PSD NVNT ac40 5755MHz Ant1



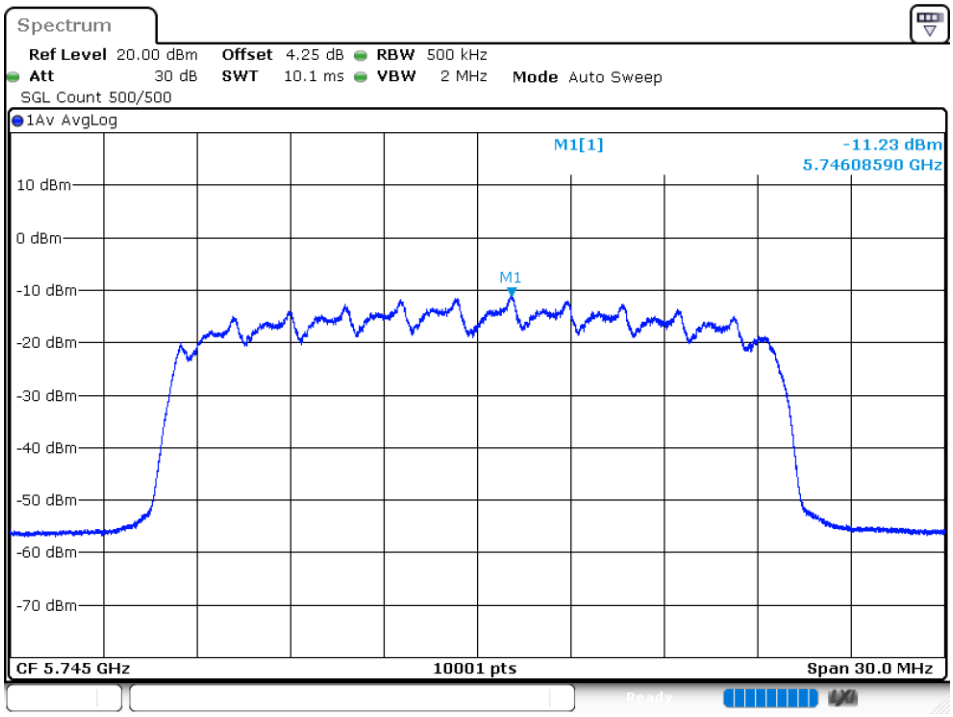
PSD NVNT ac40 5795MHz Ant1



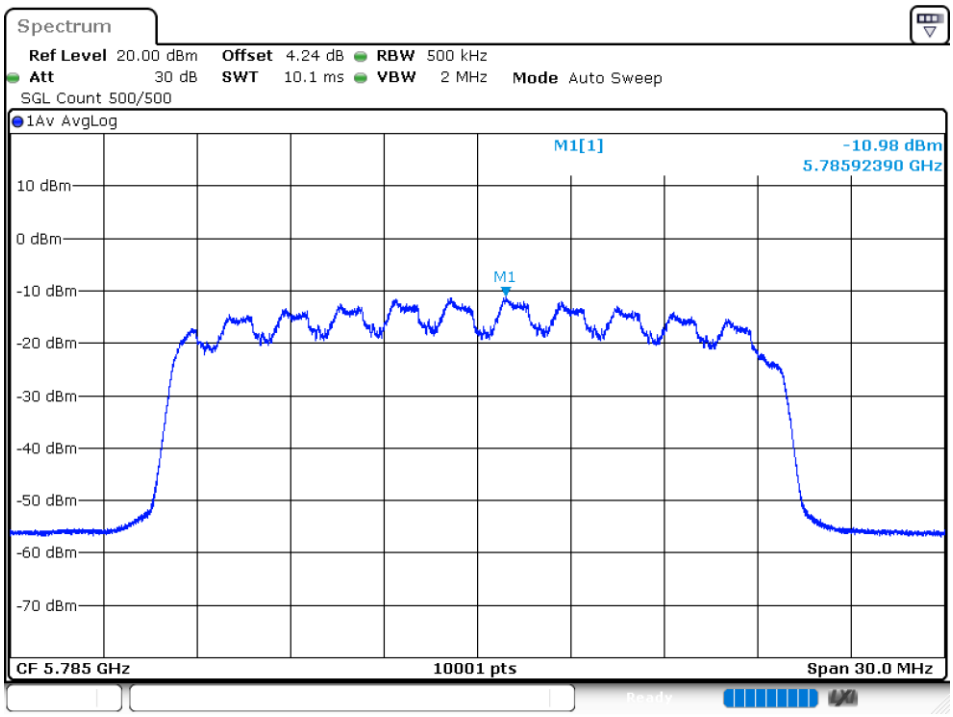
PSD NVNT ac80 5775MHz Ant1



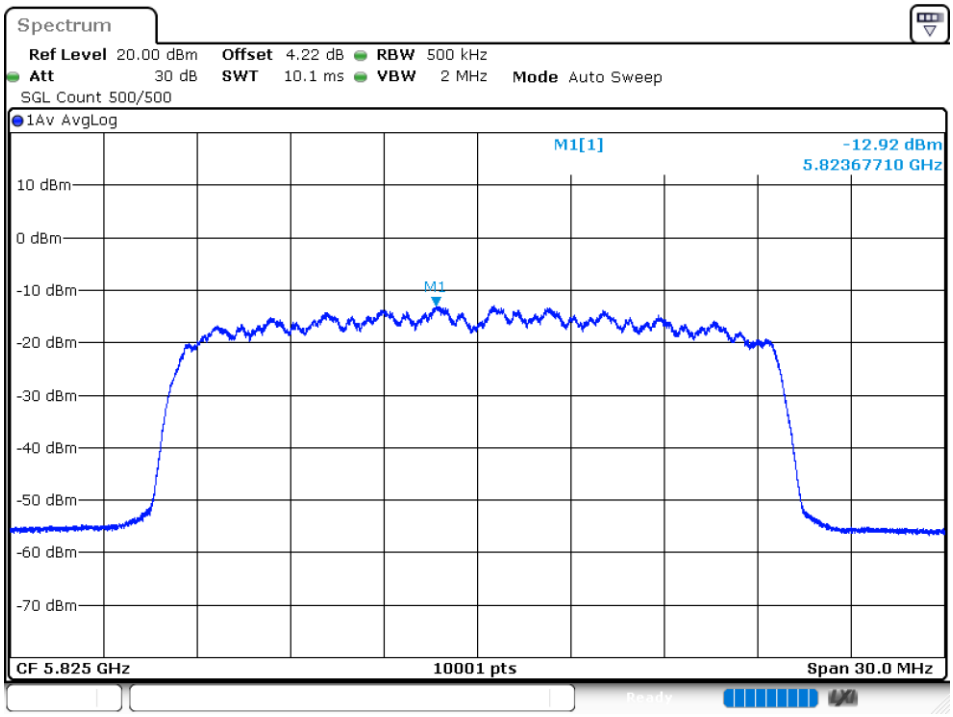
PSD NVNT ax20 5745MHz Ant1



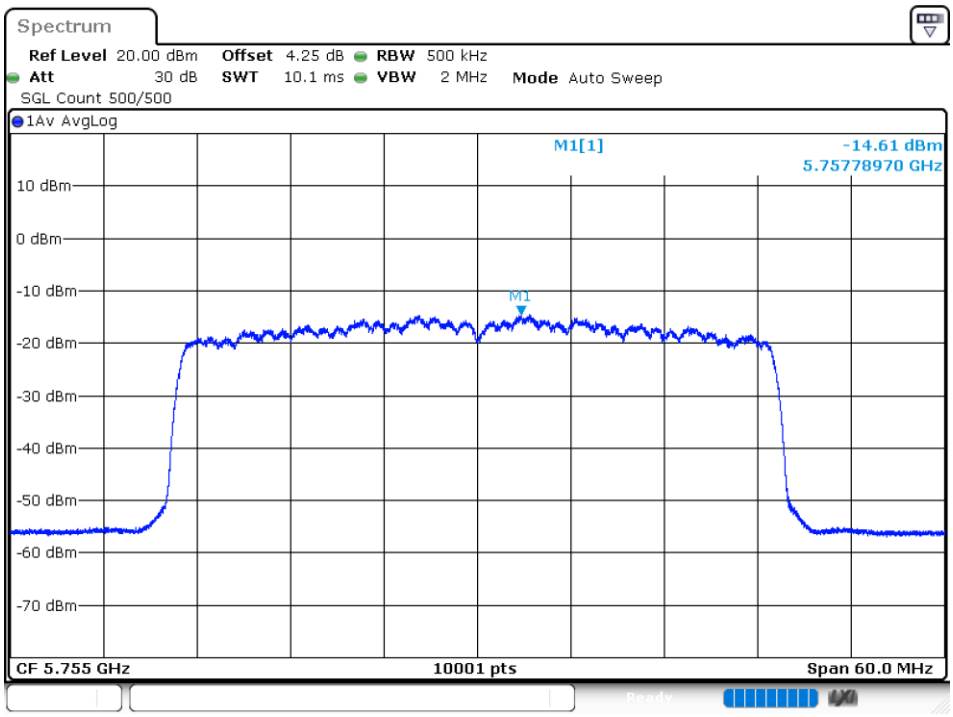
PSD NVNT ax20 5785MHz Ant1



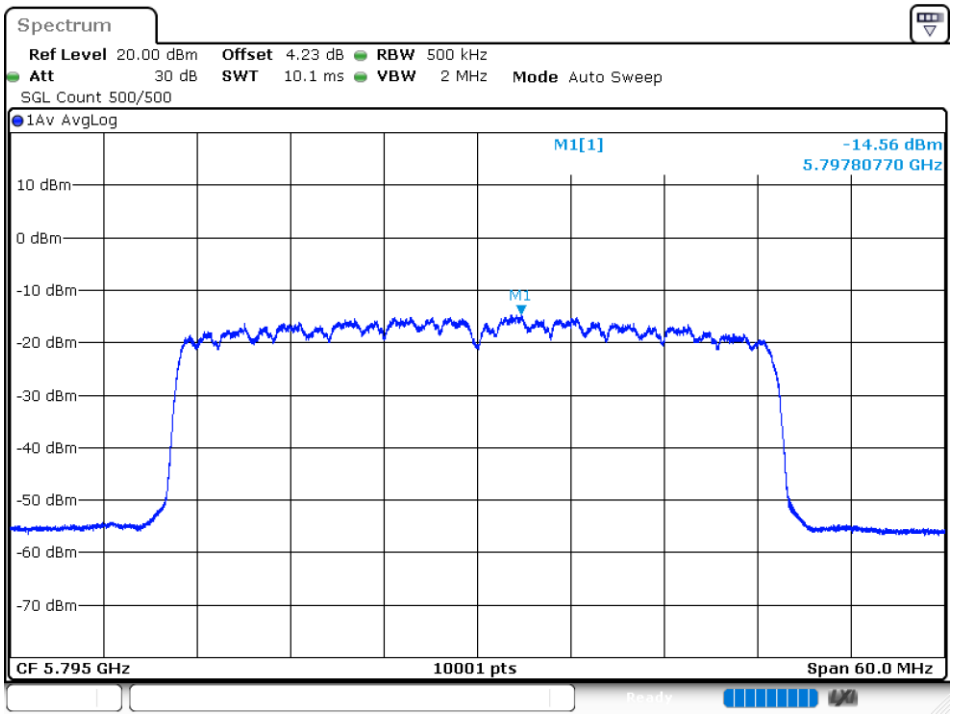
PSD NVNT ax20 5825MHz Ant1



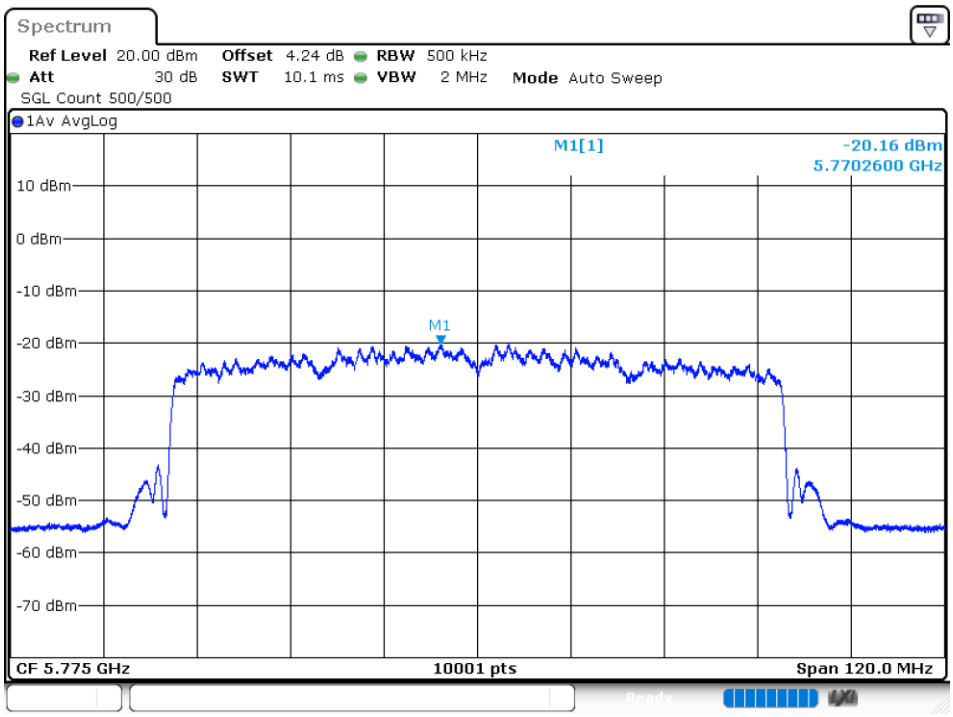
PSD NVNT ax40 5755MHz Ant1



PSD NVNT ax40 5795MHz Ant1



PSD NVNT ax80 5775MHz Ant1



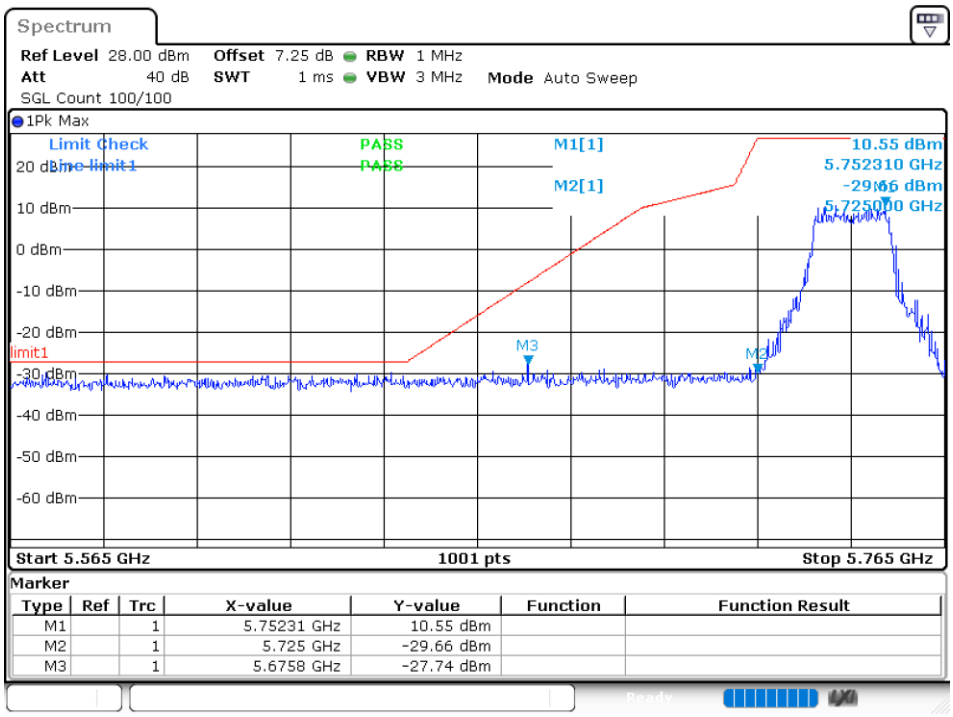
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5745	Ant1	-27.74	Pass
NVNT	a	5825	Ant1	-27.77	Pass
NVNT	n20	5745	Ant1	-27.04	Pass
NVNT	n20	5825	Ant1	-28.32	Pass
NVNT	n40	5755	Ant1	-24.96	Pass
NVNT	n40	5795	Ant1	-28.14	Pass
NVNT	ac20	5745	Ant1	-25.95	Pass
NVNT	ac20	5825	Ant1	-27.97	Pass
NVNT	ac40	5755	Ant1	-24.13	Pass
NVNT	ac40	5795	Ant1	-27.59	Pass
NVNT	ac80	5775	Ant1	-27.58	Pass
NVNT	ax20	5745	Ant1	-22.77	Pass
NVNT	ax20	5825	Ant1	-26.92	Pass
NVNT	ax40	5755	Ant1	-24.33	Pass
NVNT	ax40	5795	Ant1	-27.76	Pass
NVNT	ax80	5775	Ant1	-28.35	Pass

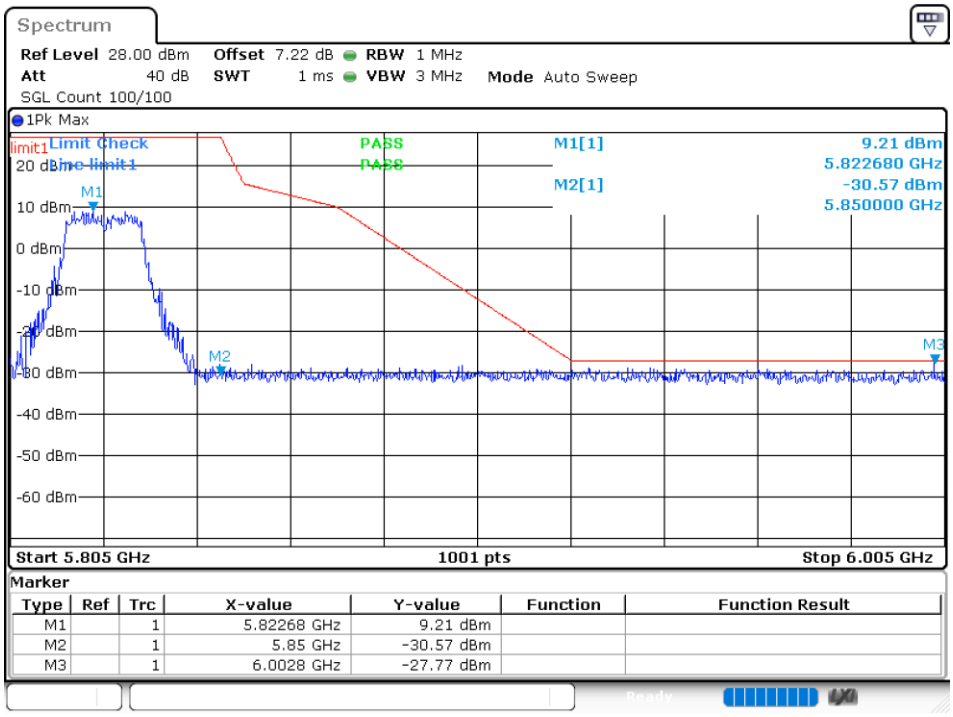
Note: This test has increased antenna gain .

Test Graphs

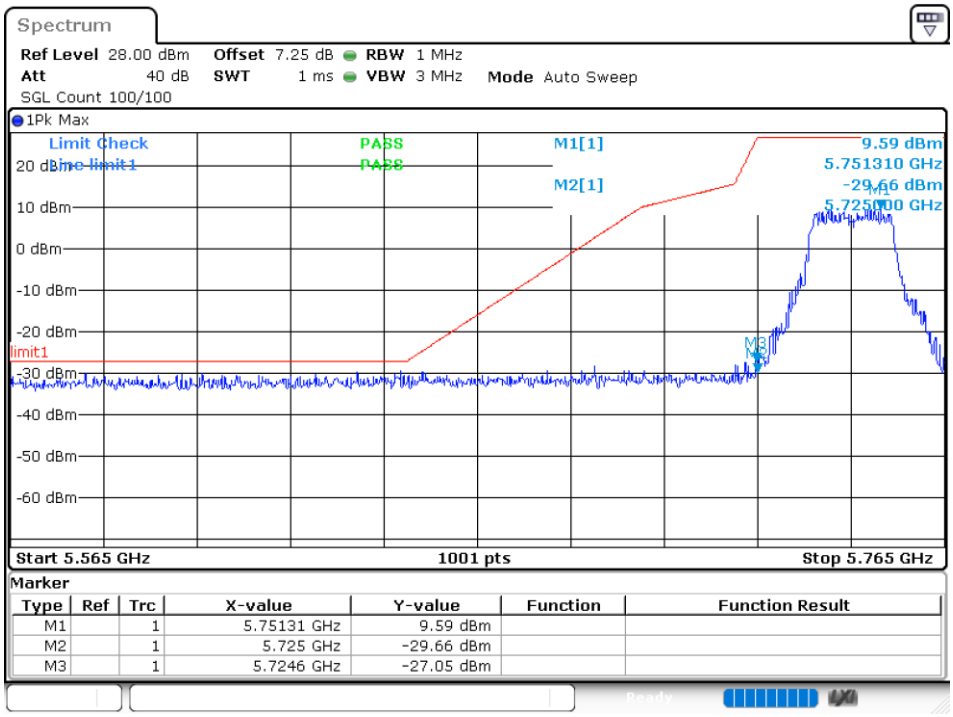
Band Edge NVNT a 5745MHz Low Ant1



Band Edge NVNT a 5825MHz High Ant1



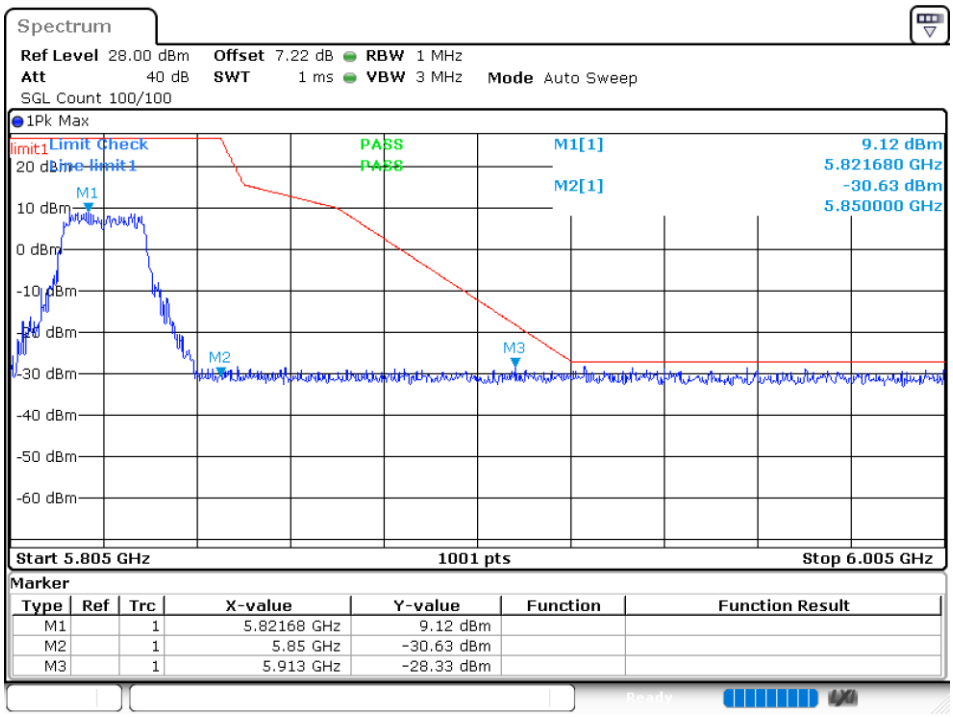
Band Edge NVNT n20 5745MHz Low Ant1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.75131 GHz	9.59 dBm		
M2		1	5.725 GHz	-29.66 dBm		
M3		1	5.7246 GHz	-27.05 dBm		

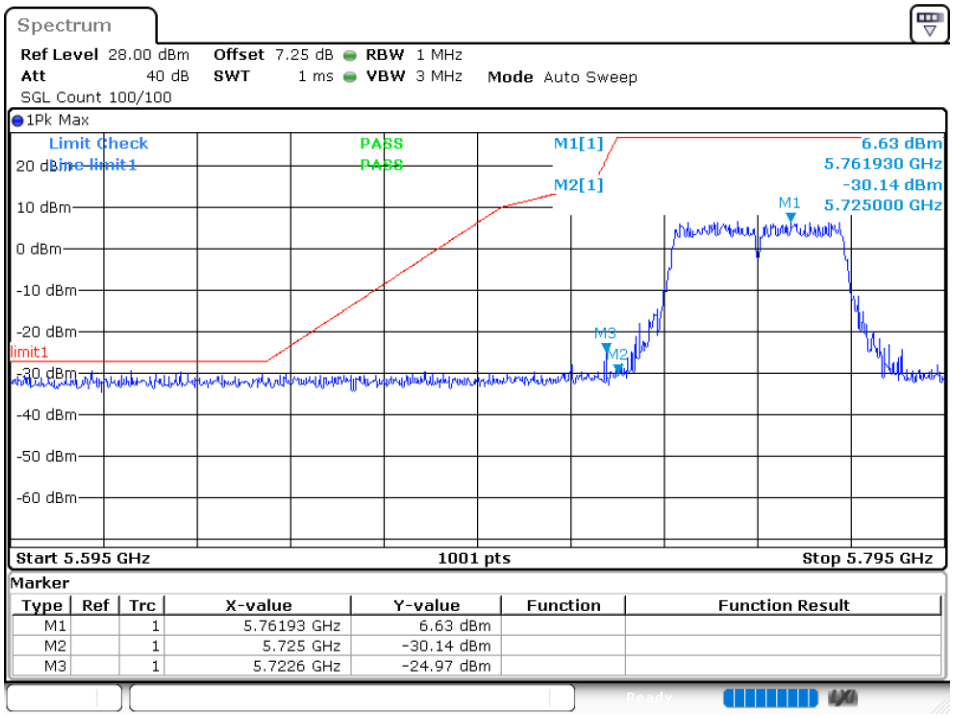
Band Edge NVNT n20 5825MHz High Ant1



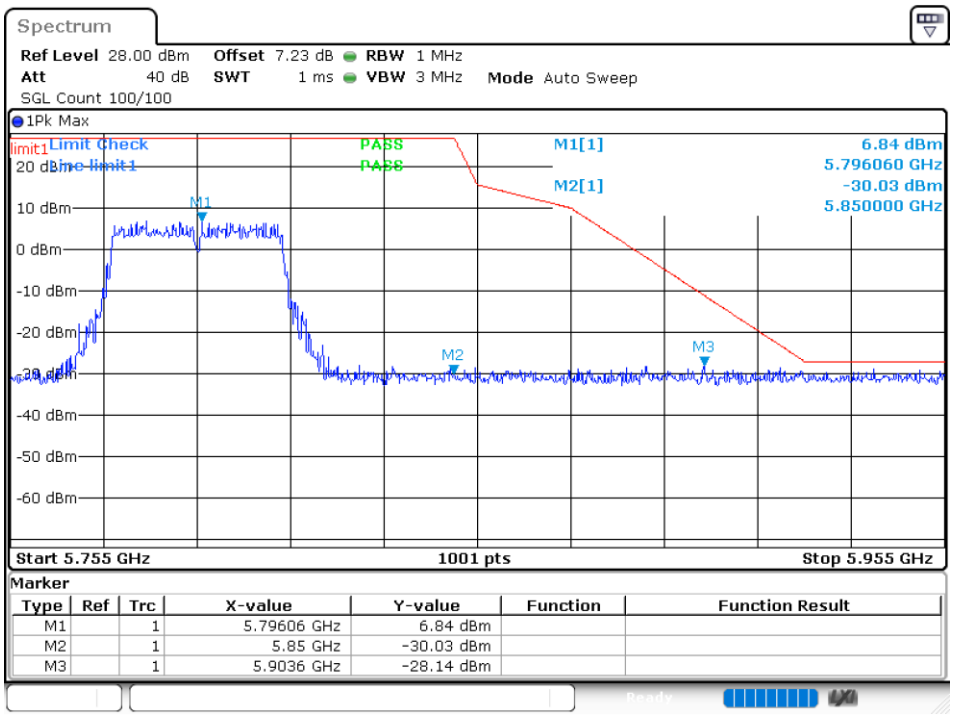
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.82168 GHz	9.12 dBm		
M2		1	5.85 GHz	-30.63 dBm		
M3		1	5.913 GHz	-28.33 dBm		

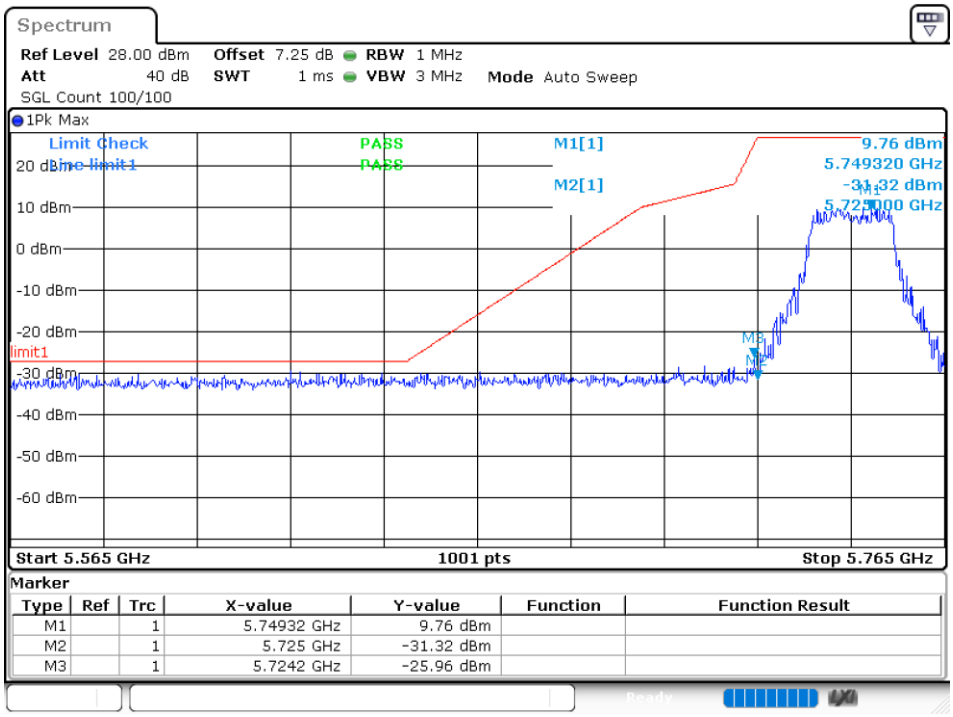
Band Edge NVNT n40 5755MHz Low Ant1



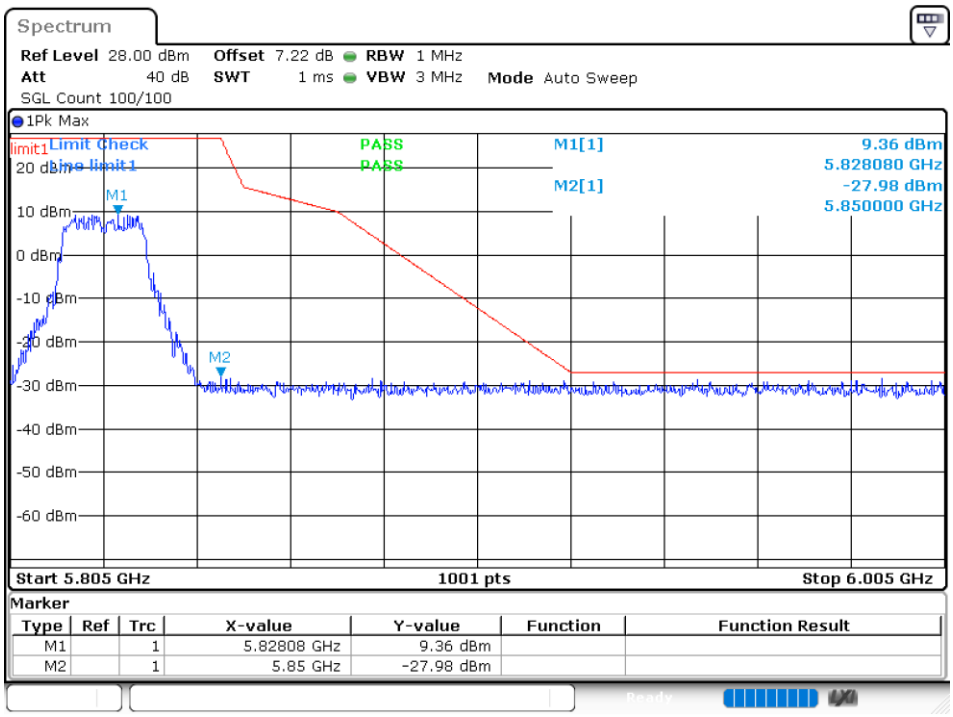
Band Edge NVNT n40 5795MHz High Ant1



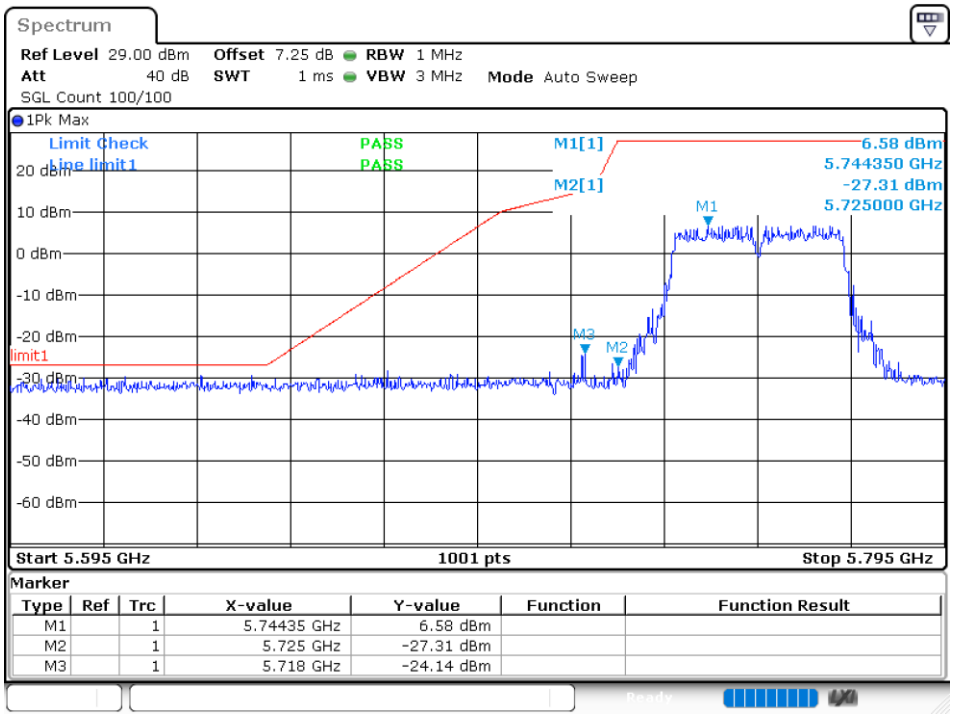
Band Edge NVNT ac20 5745MHz Low Ant1



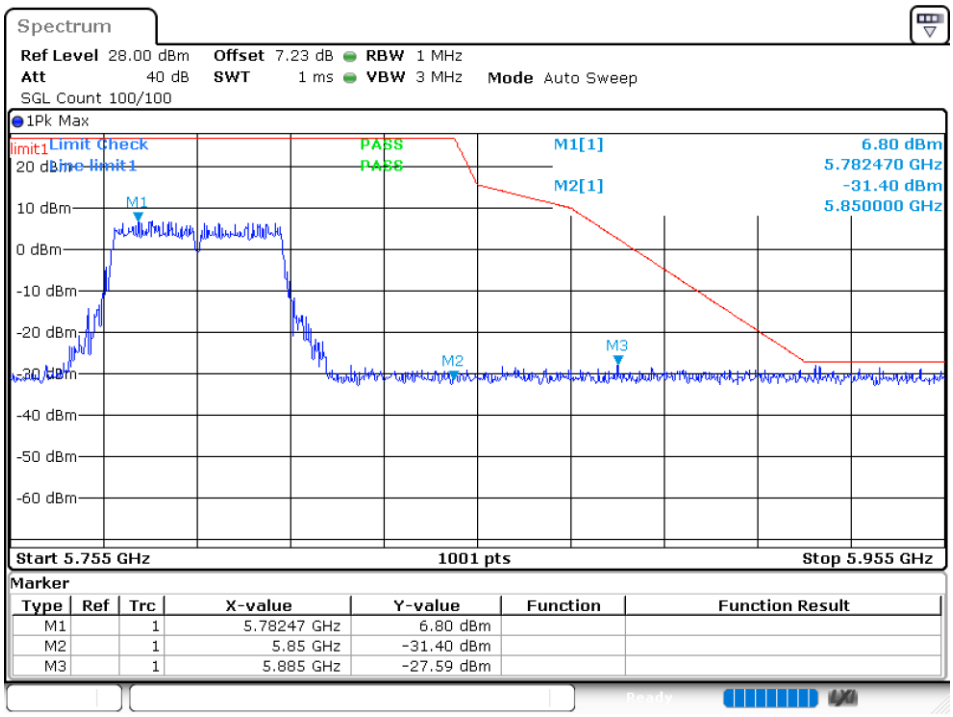
Band Edge NVNT ac20 5825MHz High Ant1



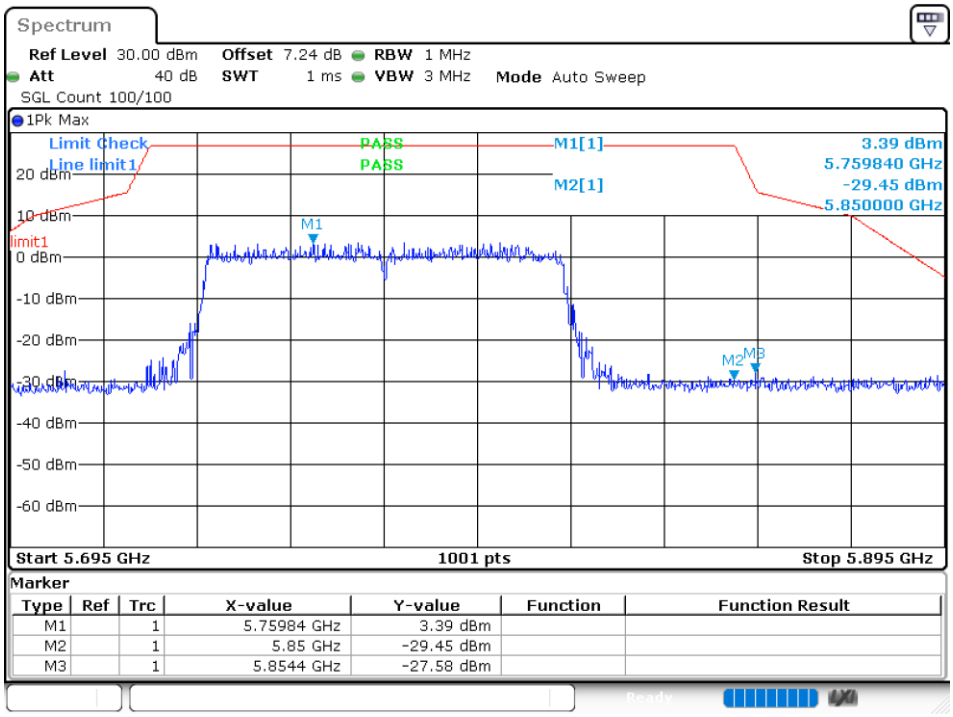
Band Edge NVNT ac40 5755MHz Low Ant1



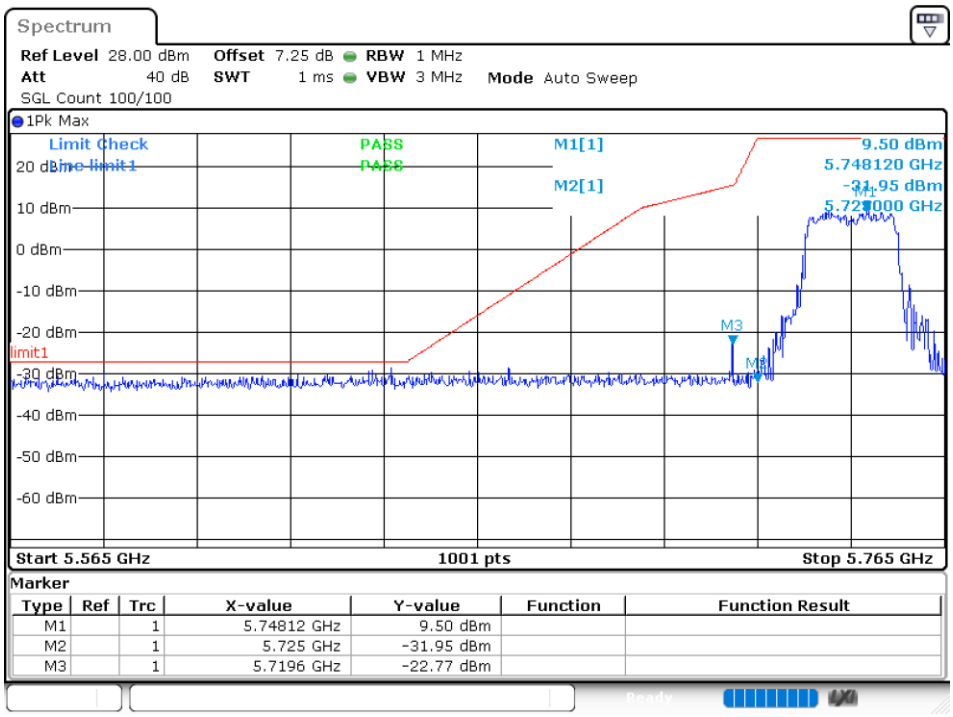
Band Edge NVNT ac40 5795MHz High Ant1



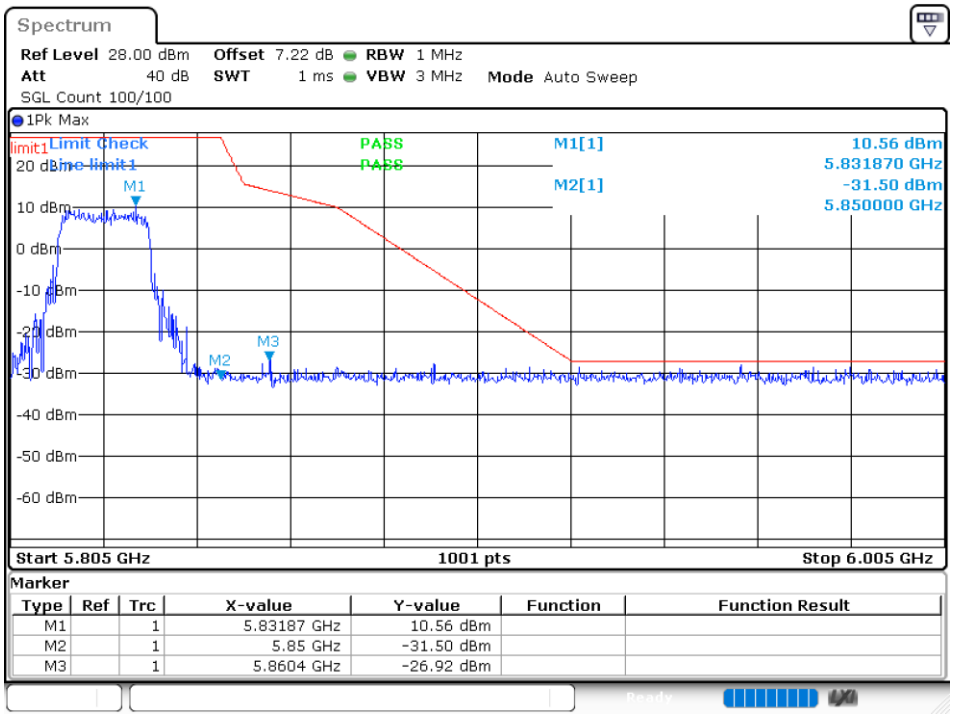
Band Edge NVNT ac80 5775MHz High Ant1



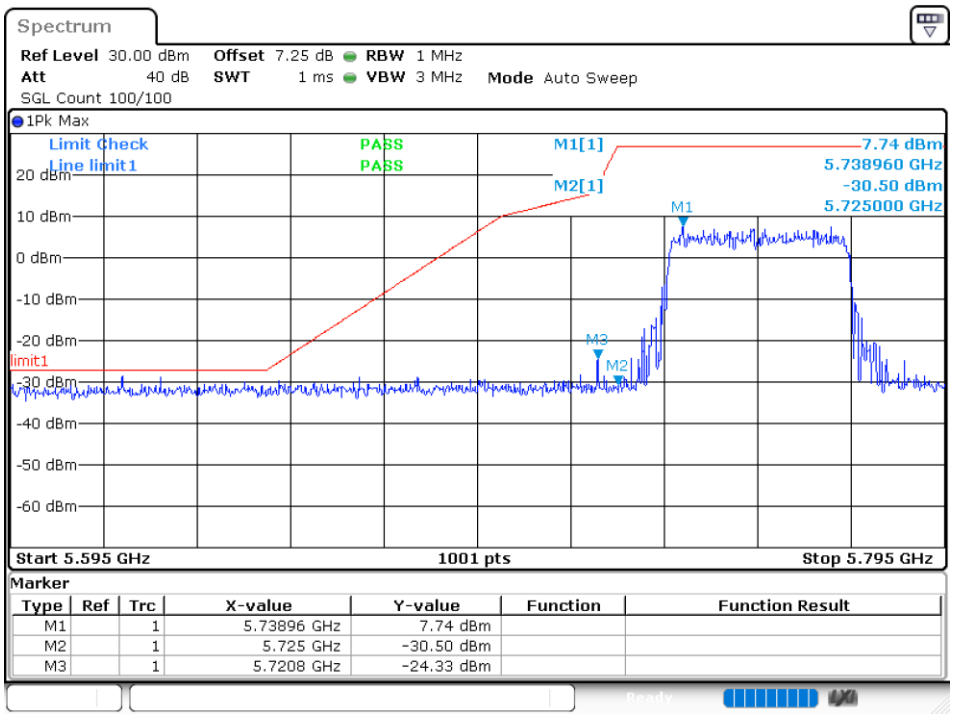
Band Edge NVNT ax20 5745MHz Low Ant1



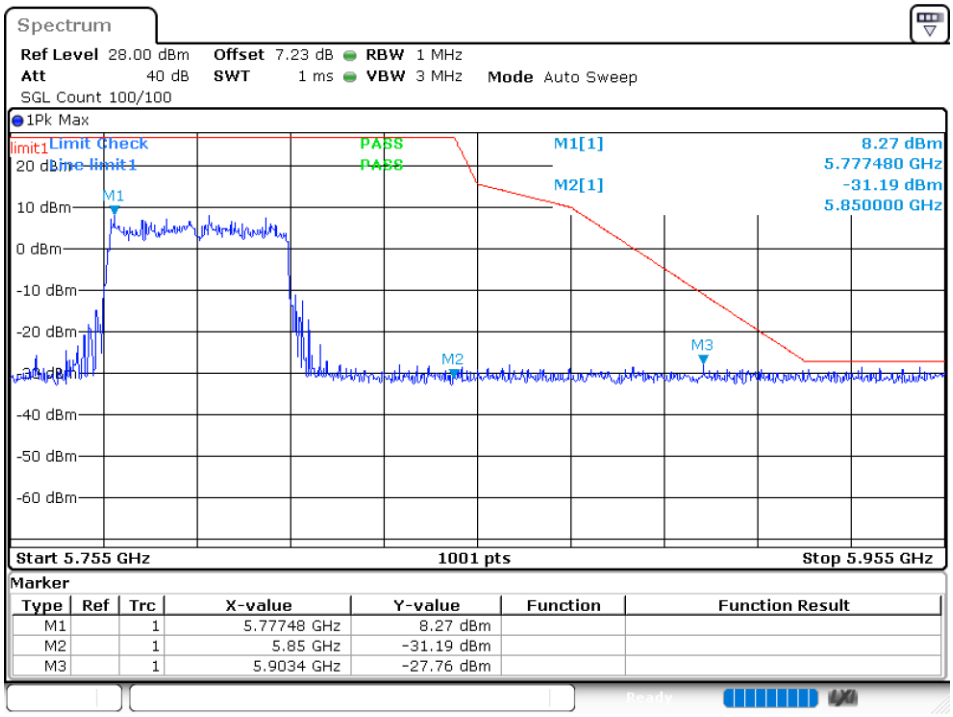
Band Edge NVNT ax20 5825MHz High Ant1



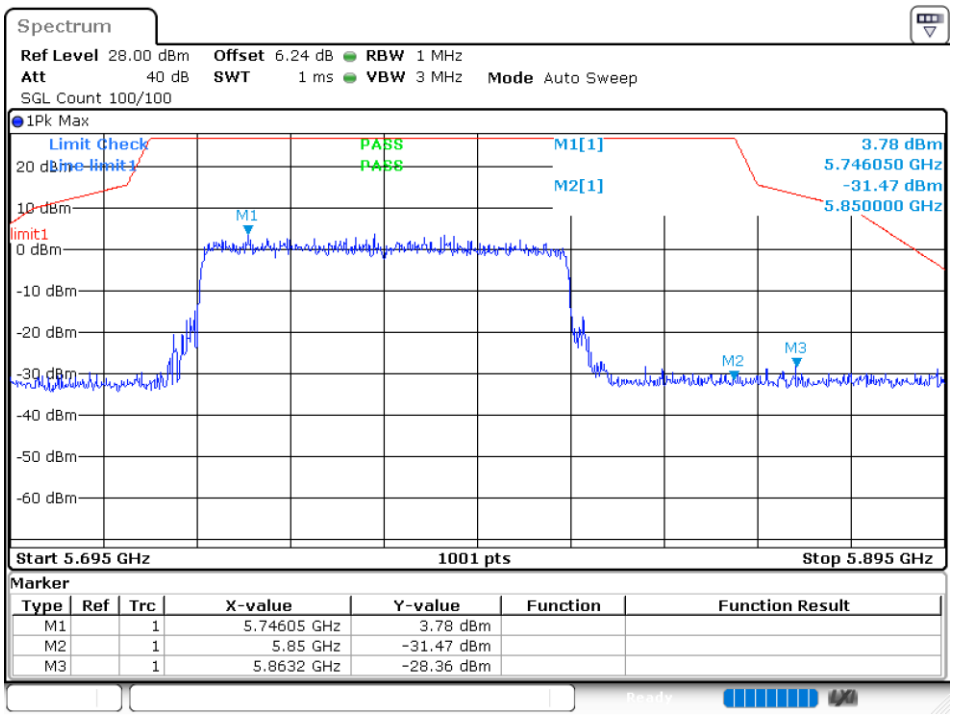
Band Edge NVNT ax40 5755MHz Low Ant1



Band Edge NVNT ax40 5795MHz High Ant1



Band Edge NVNT ax80 5775MHz High Ant1

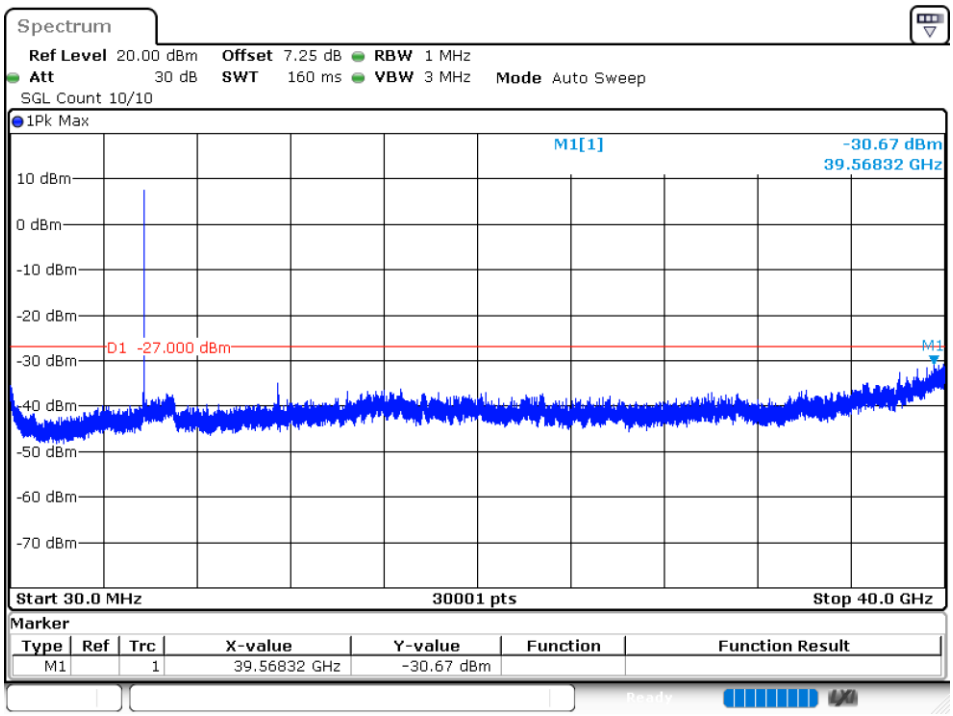


Conducted RF Spurious Emission

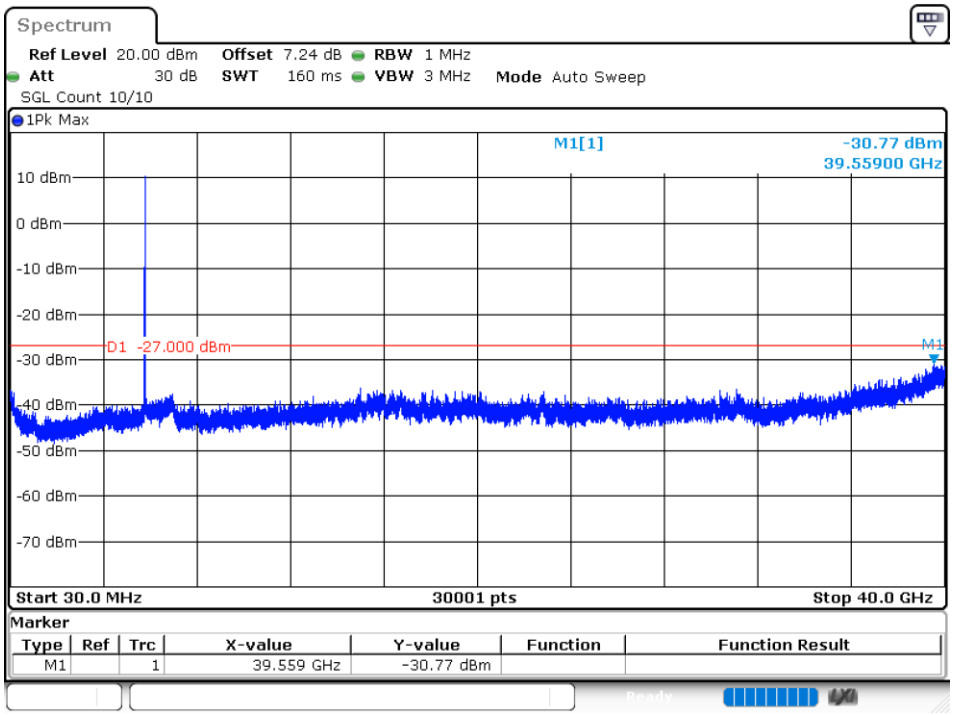
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-30.67	-27	Pass
NVNT	a	5785	Ant1	-30.77	-27	Pass
NVNT	a	5825	Ant1	-31.59	-27	Pass
NVNT	n20	5745	Ant1	-30.52	-27	Pass
NVNT	n20	5785	Ant1	-31.08	-27	Pass
NVNT	n20	5825	Ant1	-31.03	-27	Pass
NVNT	n40	5755	Ant1	-31.34	-27	Pass
NVNT	n40	5795	Ant1	-29.56	-27	Pass
NVNT	ac20	5745	Ant1	-31.14	-27	Pass
NVNT	ac20	5785	Ant1	-31.34	-27	Pass
NVNT	ac20	5825	Ant1	-31.92	-27	Pass
NVNT	ac40	5755	Ant1	-31.19	-27	Pass
NVNT	ac40	5795	Ant1	-31.74	-27	Pass
NVNT	ac80	5775	Ant1	-31.06	-27	Pass
NVNT	ax20	5745	Ant1	-39.03	-27	Pass
NVNT	ax20	5785	Ant1	-30.3	-27	Pass
NVNT	ax20	5825	Ant1	-38.65	-27	Pass
NVNT	ax40	5755	Ant1	-31.09	-27	Pass
NVNT	ax40	5795	Ant1	-31.05	-27	Pass
NVNT	ax80	5775	Ant1	-31.93	-27	Pass

Test Graphs

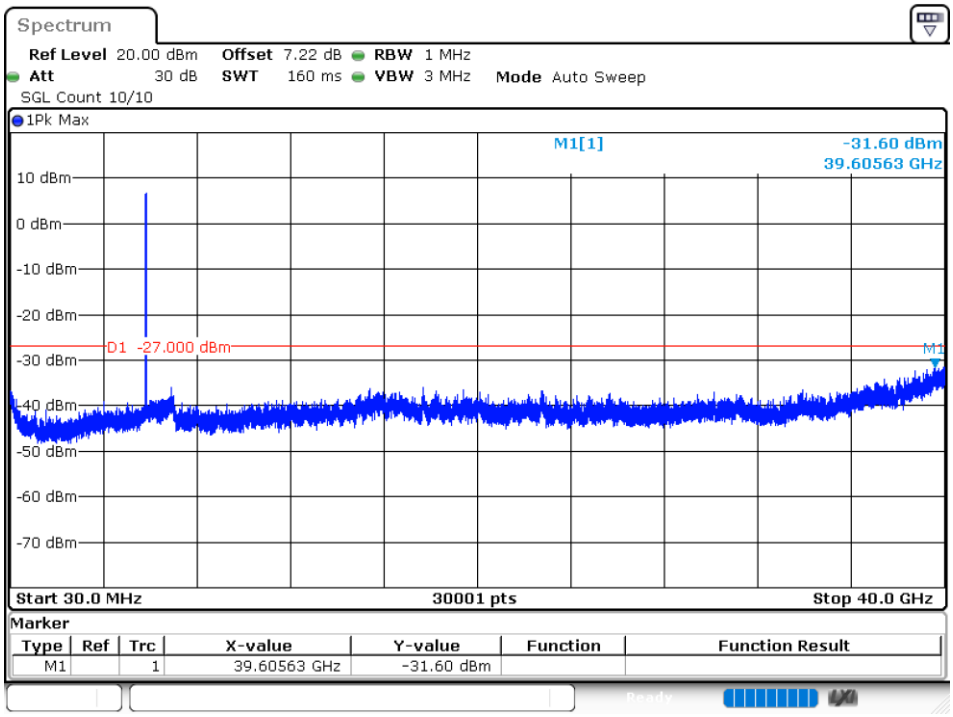
Tx. Spurious NVNT a 5745MHz Ant1 Emission



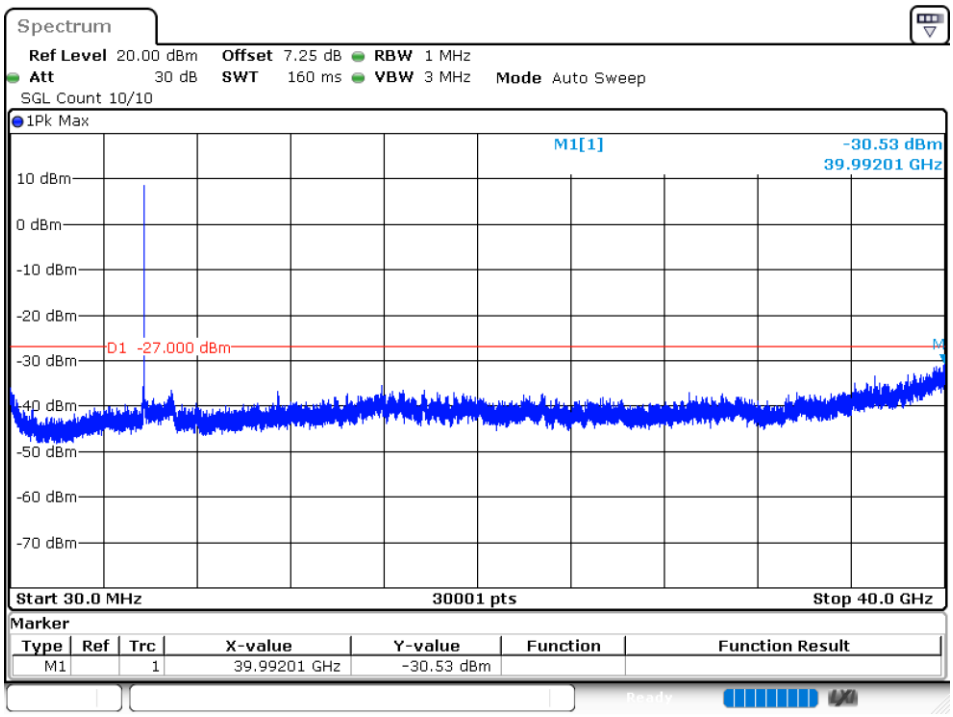
Tx. Spurious NVNT a 5785MHz Ant1 Emission



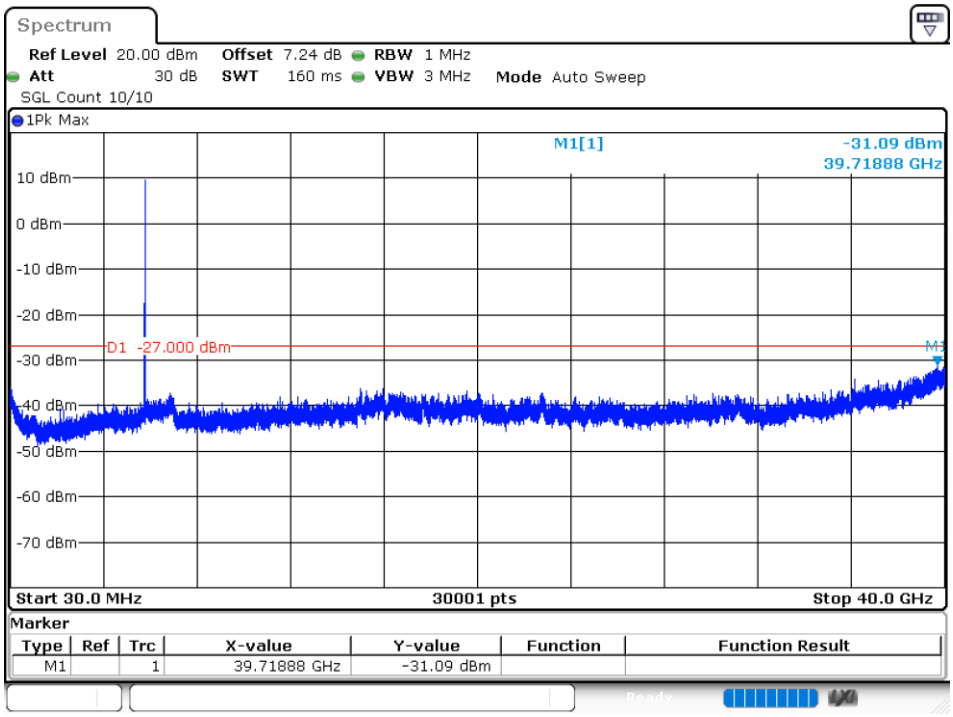
Tx. Spurious NVNT a 5825MHz Ant1 Emission



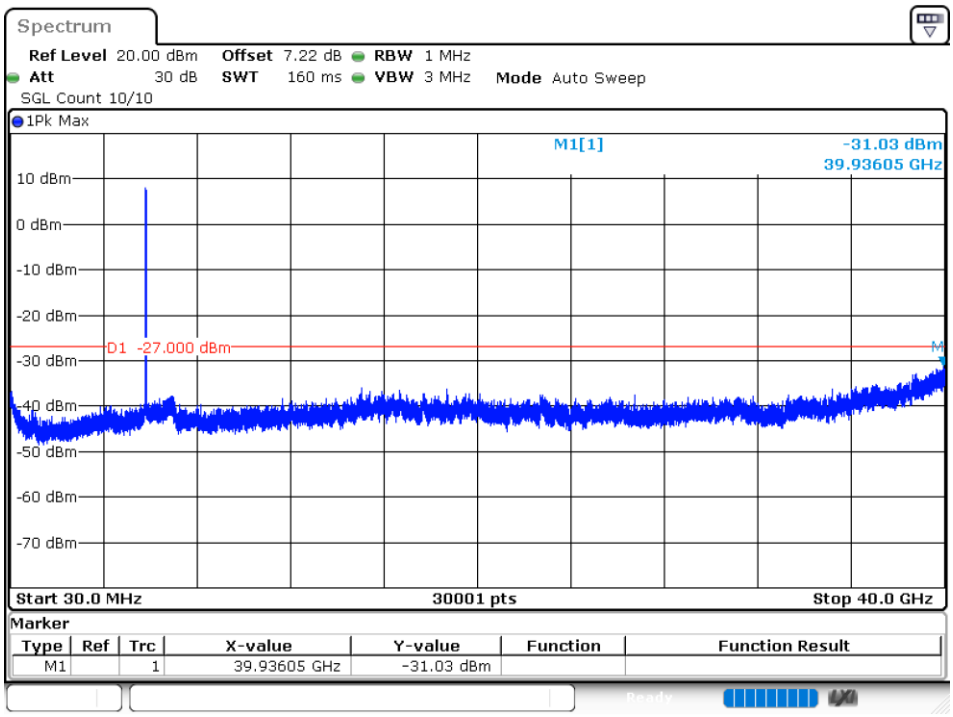
Tx. Spurious NVNT n20 5745MHz Ant1 Emission



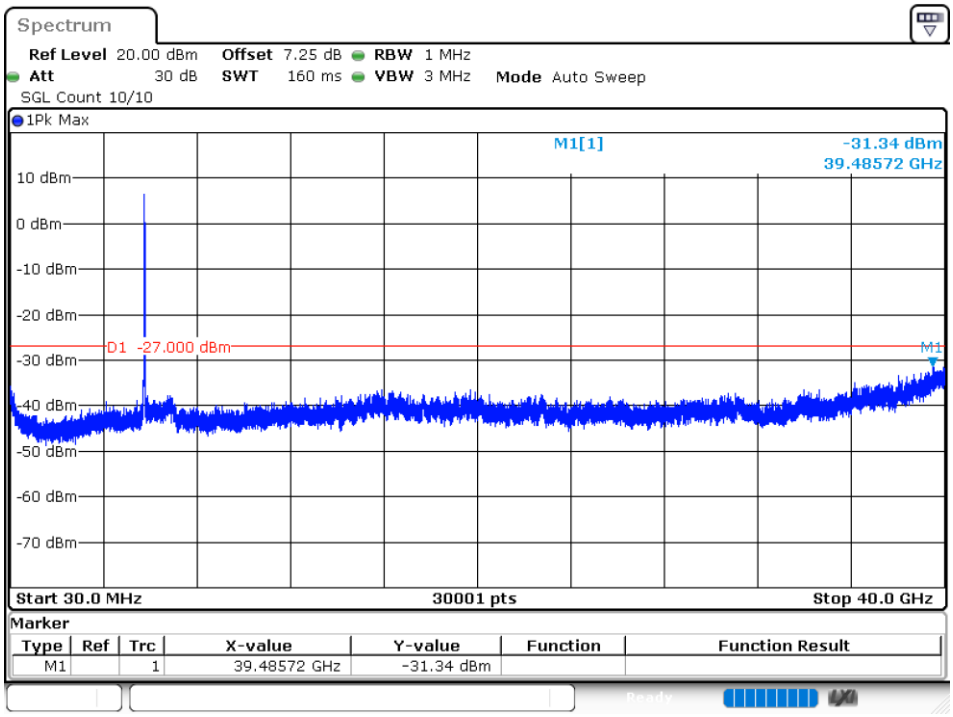
Tx. Spurious NVNT n20 5785MHz Ant1 Emission



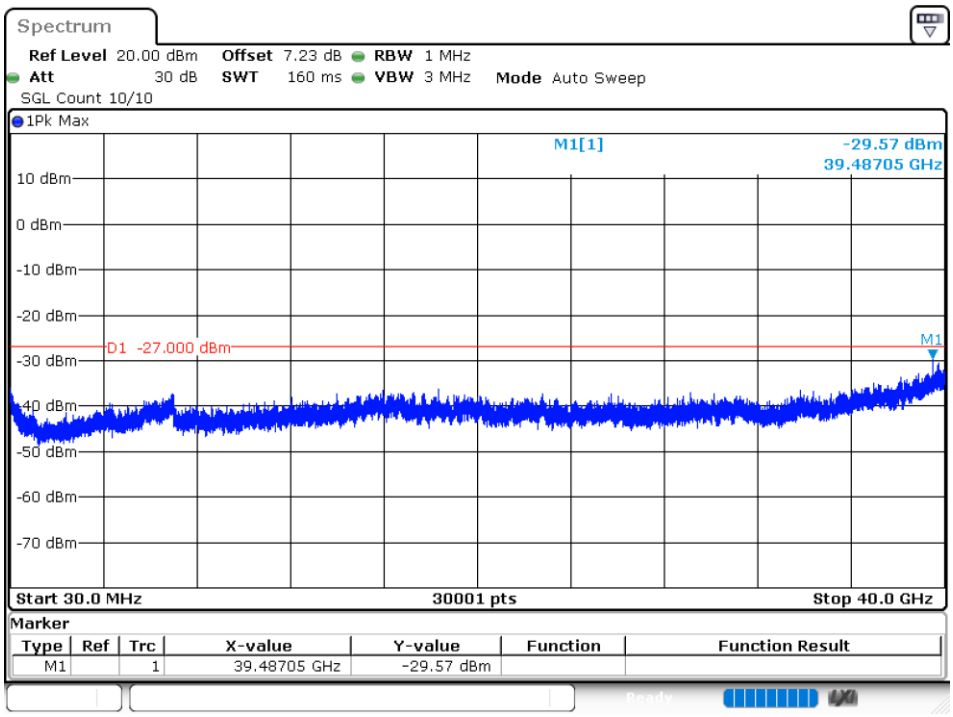
Tx. Spurious NVNT n20 5825MHz Ant1 Emission



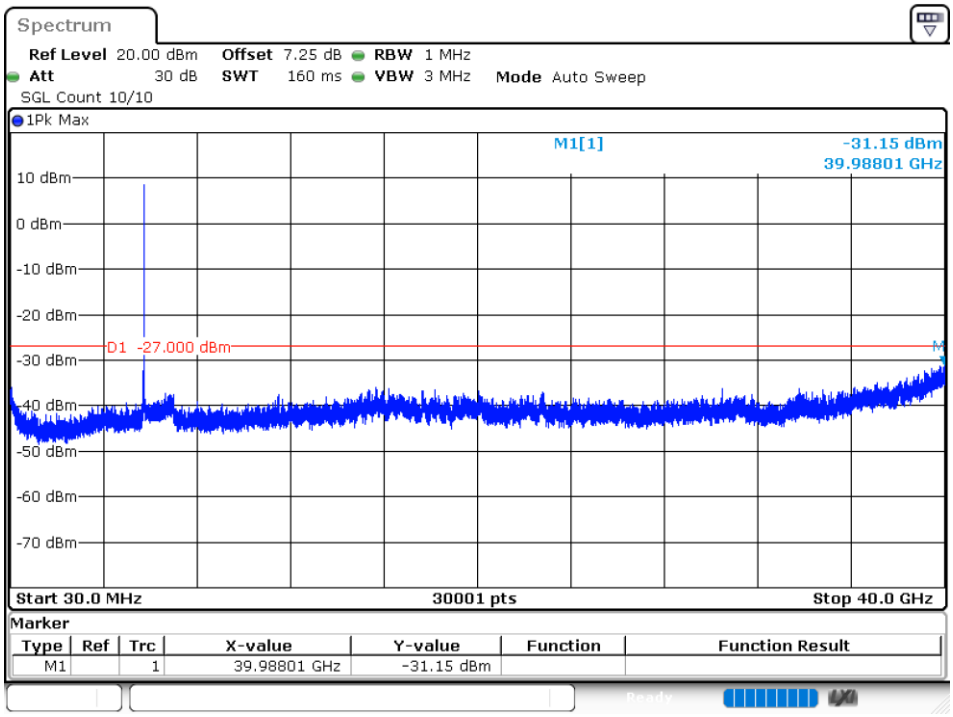
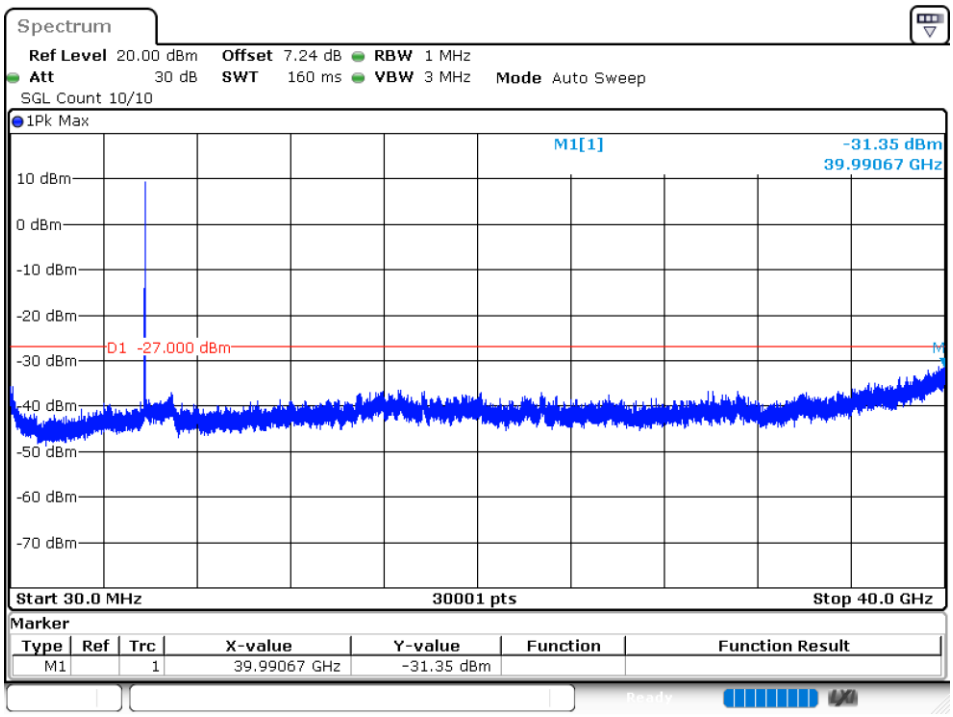
Tx. Spurious NVNT n40 5755MHz Ant1 Emission



Tx. Spurious NVNT n40 5795MHz Ant1 Emission



Tx. Spurious NVNT ac20 5745MHz Ant1 Emission



Tx. Spurious NVNT ac20 5785MHz Ant1 Emission