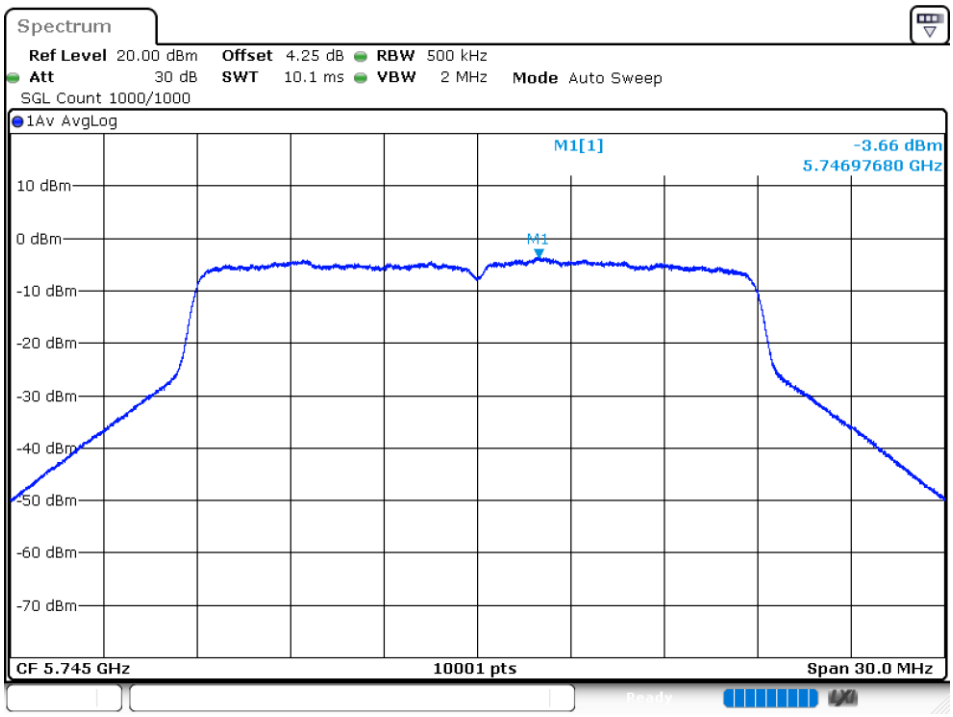
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5745	Ant1	-3.66	0.34	-3.32	30	Pass
NVNT	ac20	5745	Ant2	-3.47	0.34	-3.13	30	Pass
NVNT	ac20	5745	Sum	-0.55	0.34	-0.21	27.82	Pass
NVNT	ac20	5785	Ant1	-3.9	0.35	-3.55	30	Pass
NVNT	ac20	5785	Ant2	-2.65	0.35	-2.3	30	Pass
NVNT	ac20	5785	Sum	-0.22	0.35	0.13	27.82	Pass
NVNT	ac20	5825	Ant1	-3.08	0.38	-2.7	30	Pass
NVNT	ac20	5825	Ant2	-3.07	0.38	-2.69	30	Pass
NVNT	ac20	5825	Sum	-0.06	0.38	0.32	27.82	Pass
NVNT	ac40	5755	Ant1	-4.81	0.33	-4.48	30	Pass
NVNT	ac40	5755	Ant2	-4.89	0.33	-4.56	30	Pass
NVNT	ac40	5755	Sum	-1.84	0.33	-1.51	27.82	Pass
NVNT	ac40	5795	Ant1	-4.81	0.25	-4.56	30	Pass
NVNT	ac40	5795	Ant2	-4.24	0.25	-3.99	30	Pass
NVNT	ac40	5795	Sum	-1.51	0.25	-1.26	27.82	Pass
NVNT	ac80	5775	Ant1	-8.11	0.36	-7.75	30	Pass
NVNT	ac80	5775	Ant2	-7.88	0.36	-7.52	30	Pass
NVNT	ac80	5775	Sum	-4.98	0.36	-4.62	27.82	Pass
NVNT	ax20	5745	Ant1	-2.43	0.23	-2.2	30	Pass
NVNT	ax20	5745	Ant2	-2.31	0.23	-2.08	30	Pass
NVNT	ax20	5745	Sum	0.64	0.23	0.87	27.82	Pass
NVNT	ax20	5785	Ant1	-2.61	0.24	-2.37	30	Pass
NVNT	ax20	5785	Ant2	-2.12	0.24	-1.88	30	Pass
NVNT	ax20	5785	Sum	0.65	0.24	0.89	27.82	Pass
NVNT	ax20	5825	Ant1	-1.91	0.2	-1.71	30	Pass
NVNT	ax20	5825	Ant2	-1.95	0.2	-1.75	30	Pass
NVNT	ax20	5825	Sum	1.08	0.2	1.28	27.82	Pass
NVNT	ax40	5755	Ant1	-4.78	0.23	-4.55	30	Pass
NVNT	ax40	5755	Ant2	-4.75	0.23	-4.52	30	Pass
NVNT	ax40	5755	Sum	-1.75	0.23	-1.52	27.82	Pass
NVNT	ax40	5795	Ant1	-4.8	0.13	-4.67	30	Pass
NVNT	ax40	5795	Ant2	-3.9	0.13	-3.77	30	Pass
NVNT	ax40	5795	Sum	-1.32	0.13	-1.19	27.82	Pass
NVNT	ax80	5775	Ant1	-7.39	0.24	-7.15	30	Pass
NVNT	ax80	5775	Ant2	-7.48	0.24	-7.24	30	Pass
NVNT	ax80	5775	Sum	-4.42	0.24	-4.18	27.82	Pass
NVNT	n20	5745	Ant1	-3.5	0.34	-3.16	30	Pass
NVNT	n20	5745	Ant2	-2.77	0.34	-2.43	30	Pass

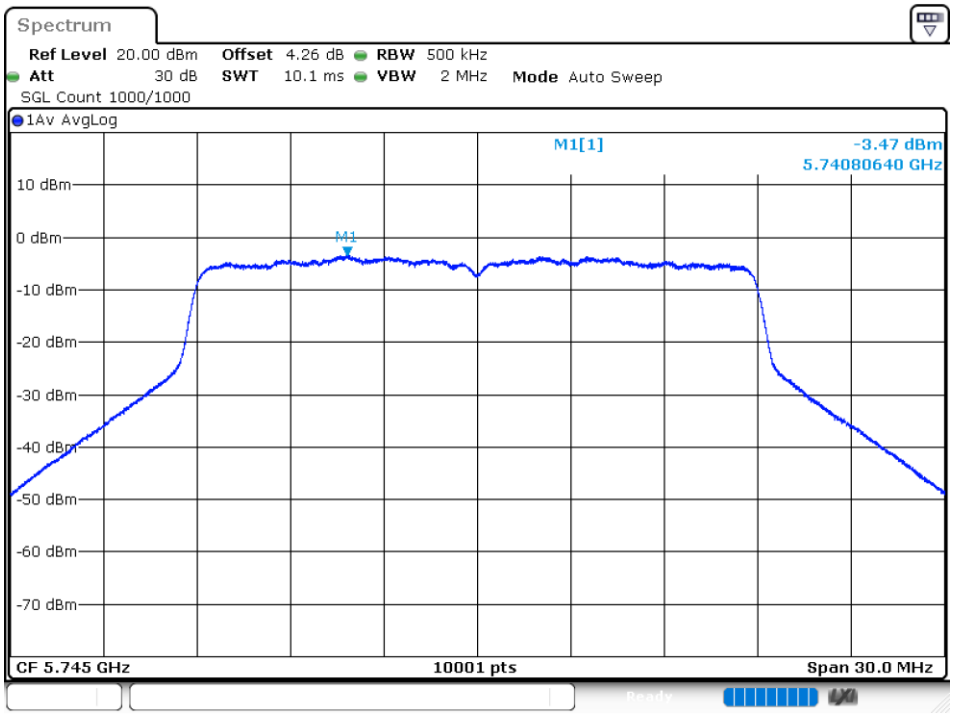
NVNT	n20	5745	Sum	-0.11	0.34	0.23	27.82	Pass
NVNT	n20	5785	Ant1	-3.56	0.37	-3.19	30	Pass
NVNT	n20	5785	Ant2	-2.77	0.37	-2.4	30	Pass
NVNT	n20	5785	Sum	-0.14	0.37	0.23	27.82	Pass
NVNT	n20	5825	Ant1	-3.46	0.37	-3.09	30	Pass
NVNT	n20	5825	Ant2	-3.21	0.37	-2.84	30	Pass
NVNT	n20	5825	Sum	-0.32	0.37	0.05	27.82	Pass
NVNT	n40	5755	Ant1	-4.64	0.28	-4.36	30	Pass
NVNT	n40	5755	Ant2	-4.8	0.28	-4.52	30	Pass
NVNT	n40	5755	Sum	-1.71	0.28	-1.43	27.82	Pass
NVNT	n40	5795	Ant1	-5.06	0.37	-4.69	30	Pass
NVNT	n40	5795	Ant2	-4.3	0.37	-3.93	30	Pass
NVNT	n40	5795	Sum	-1.65	0.37	-1.28	27.82	Pass

Test Graphs

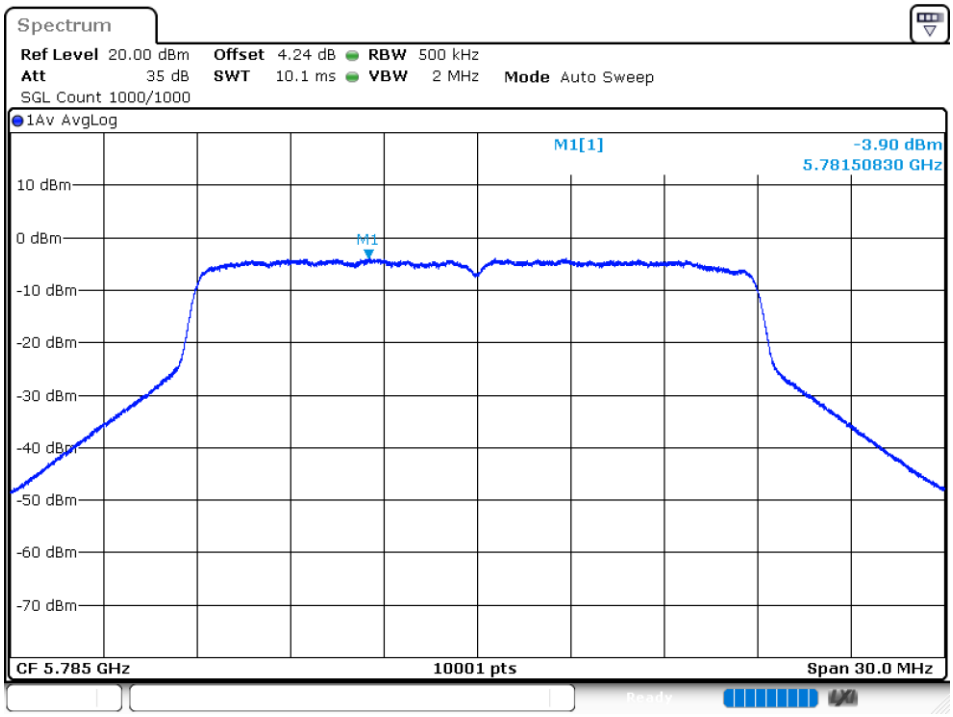
PSD NVNT ac20 5745MHz Ant1



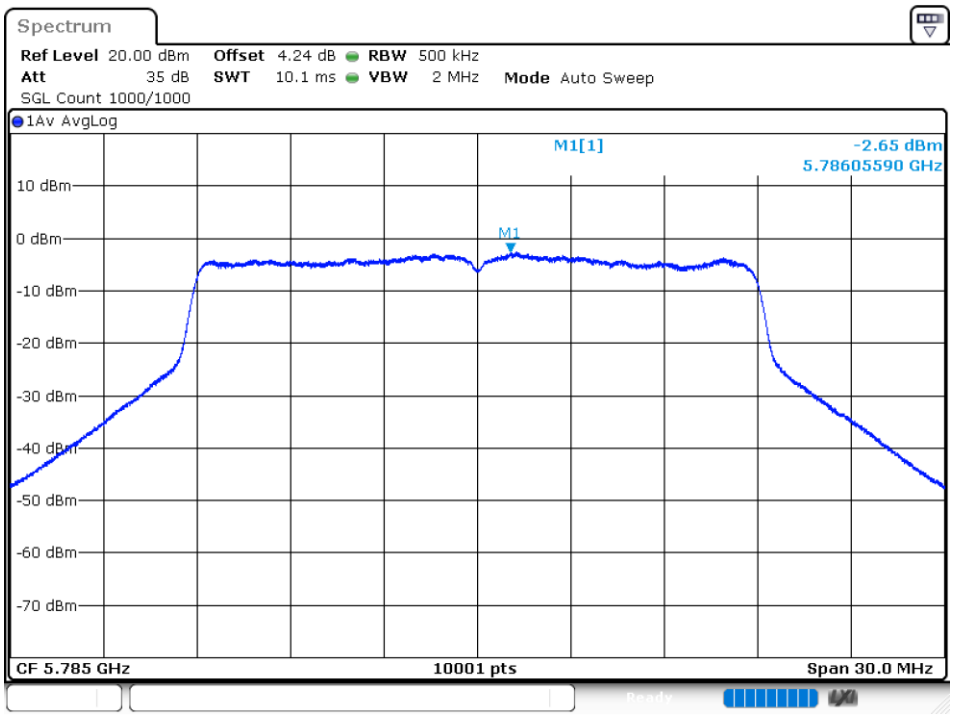
PSD NVNT ac20 5745MHz Ant2



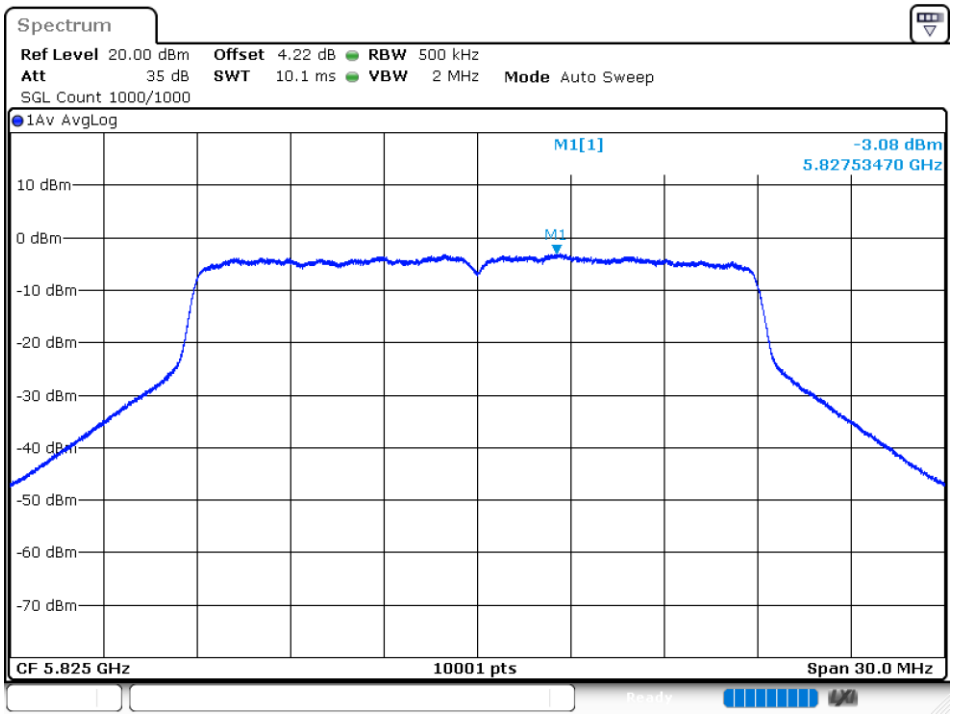
PSD NVNT ac20 5785MHz Ant1



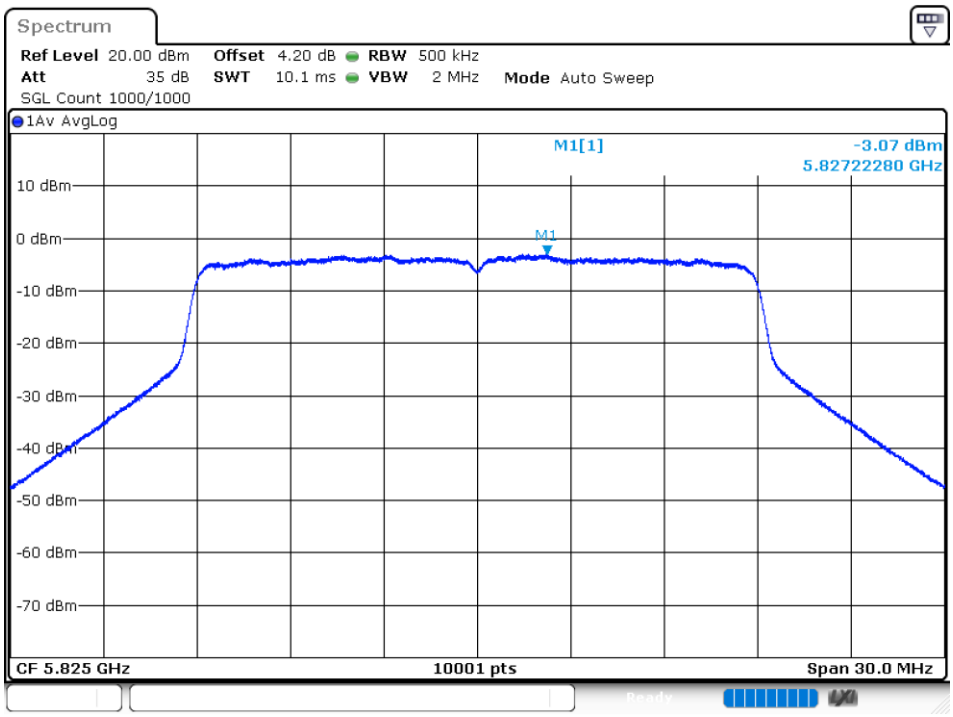
PSD NVNT ac20 5785MHz Ant2



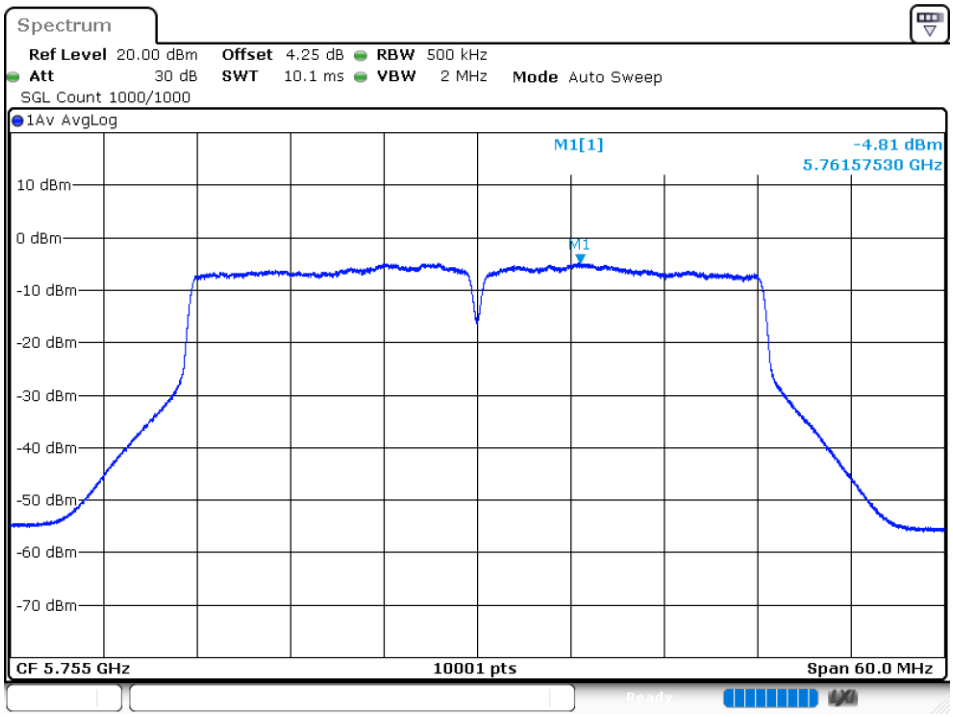
PSD NVNT ac20 5825MHz Ant1



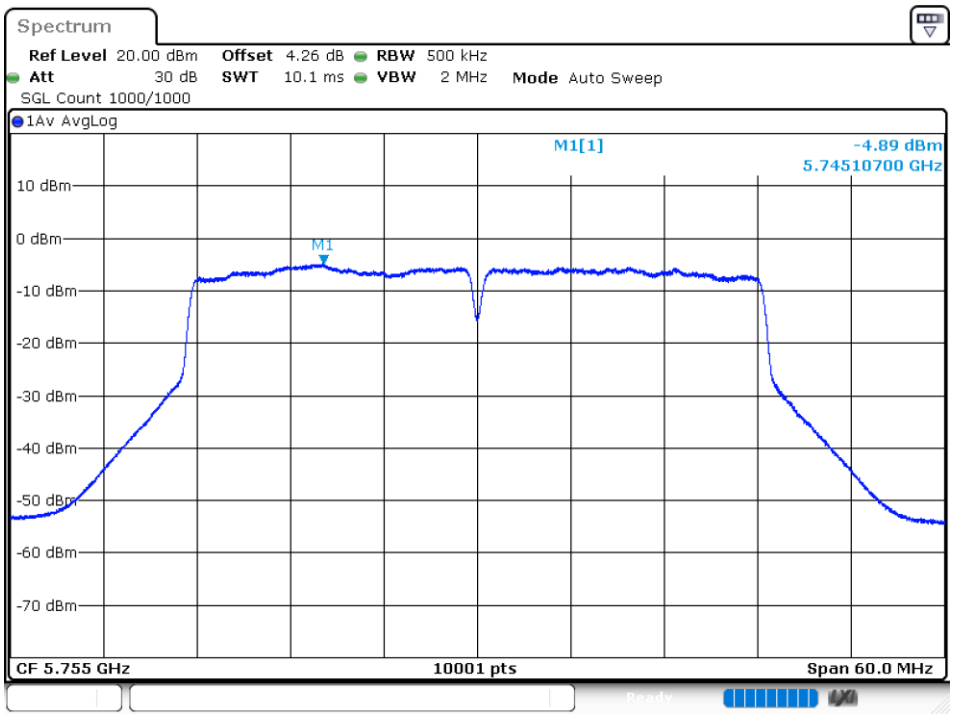
PSD NVNT ac20 5825MHz Ant2



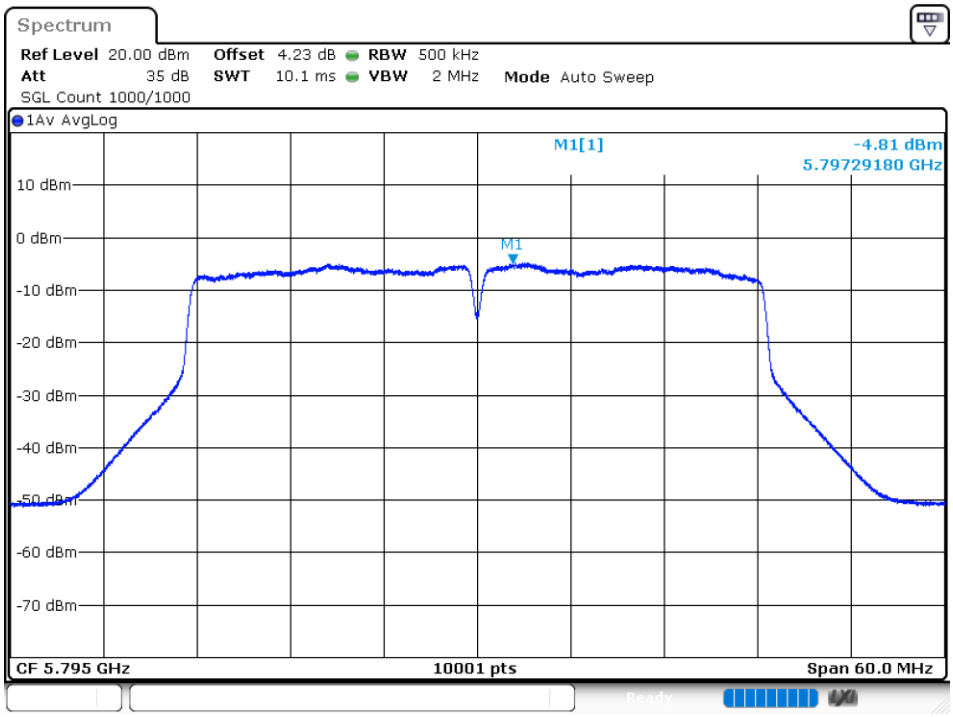
PSD NVNT ac40 5755MHz Ant1



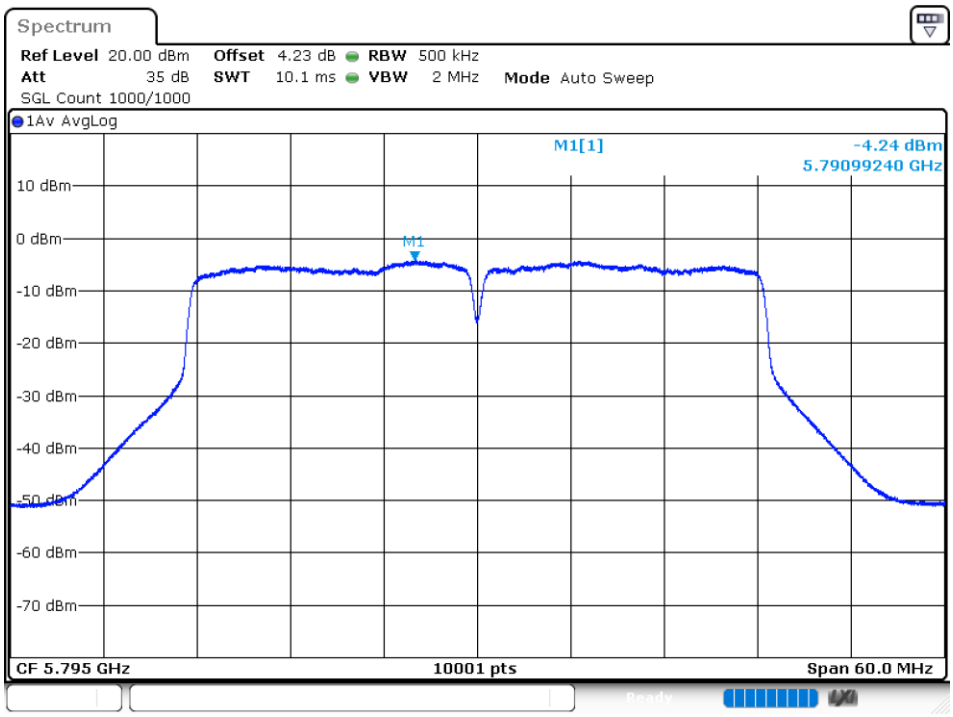
PSD NVNT ac40 5755MHz Ant2



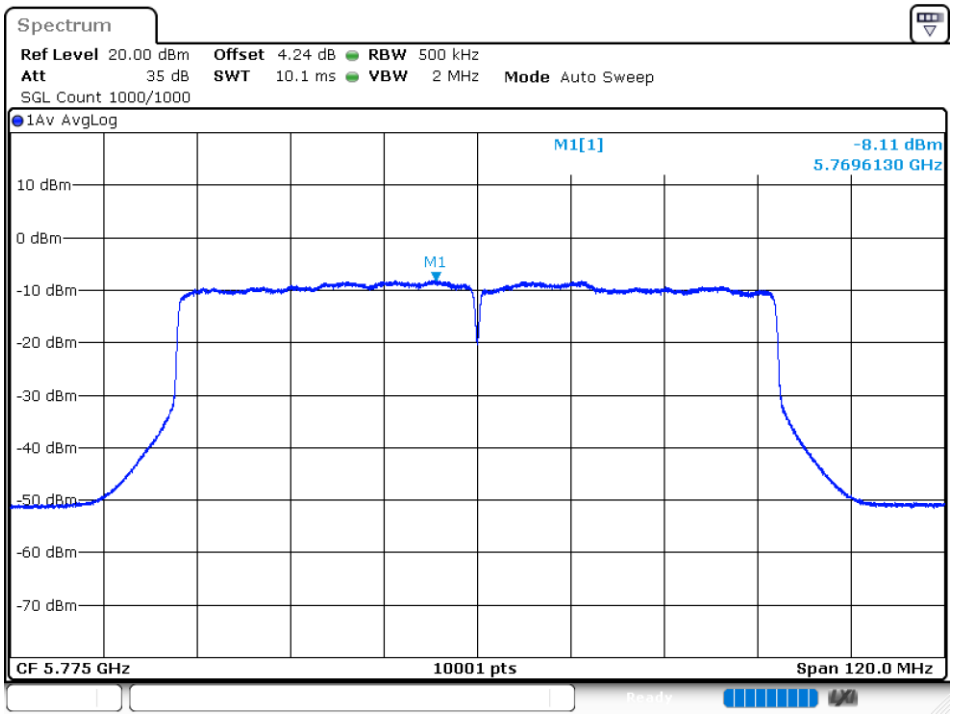
PSD NVNT ac40 5795MHz Ant1



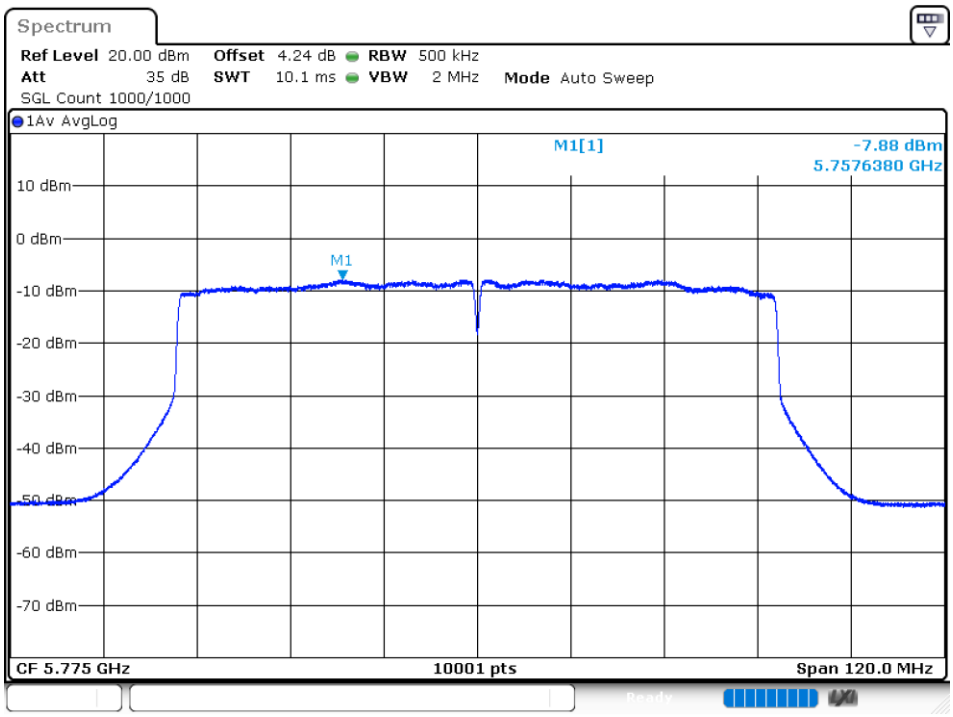
PSD NVNT ac40 5795MHz Ant2



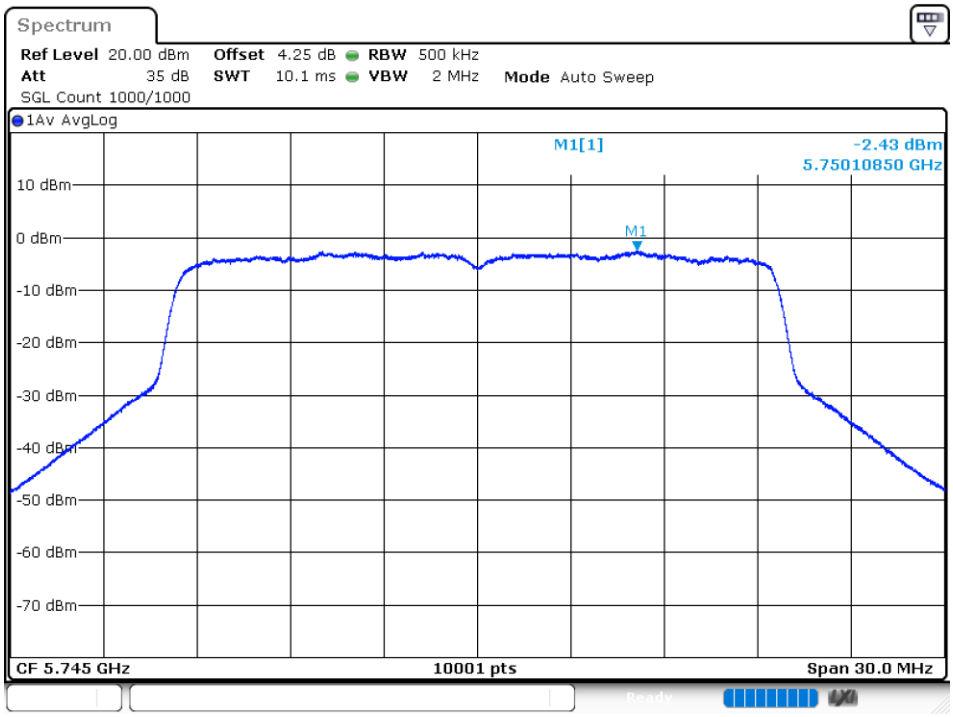
PSD NVNT ac80 5775MHz Ant1



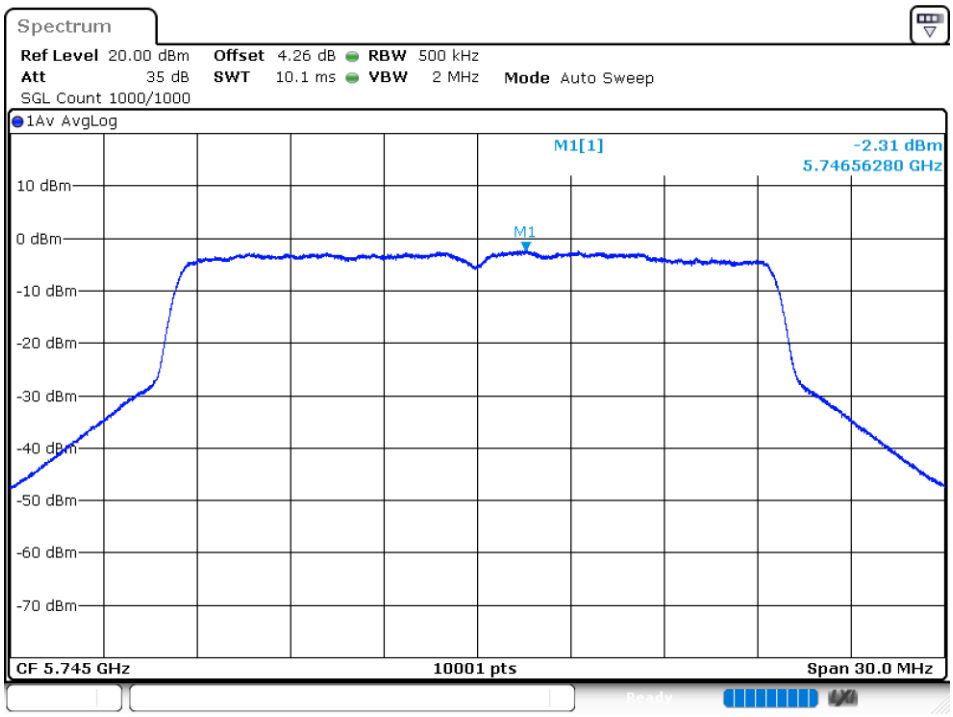
PSD NVNT ac80 5775MHz Ant2



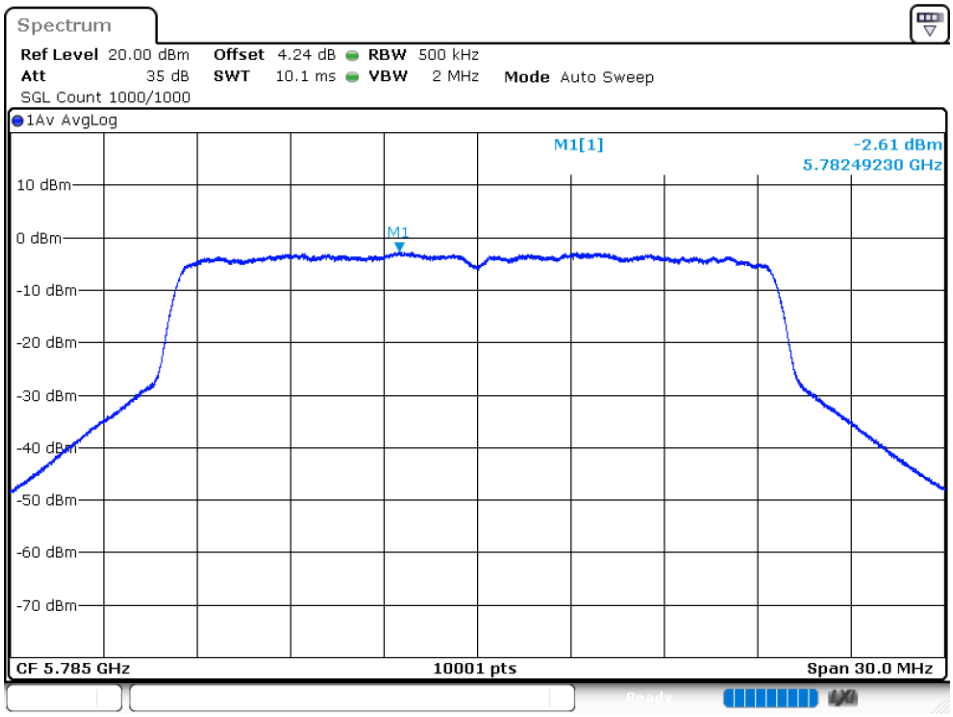
PSD NVNT ax20 5745MHz Ant1



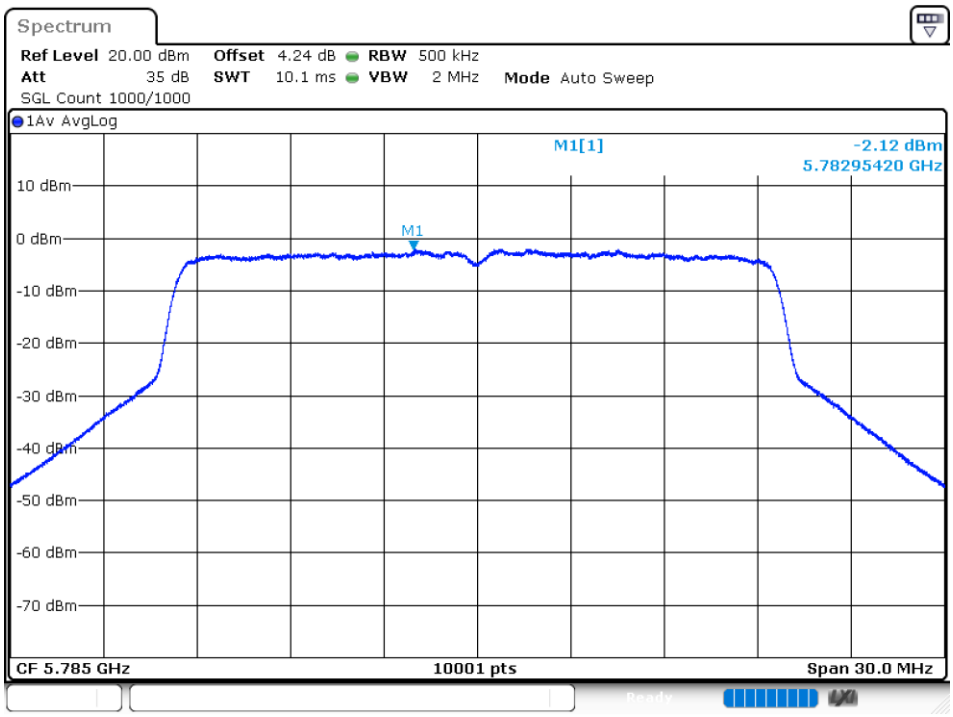
PSD NVNT ax20 5745MHz Ant2



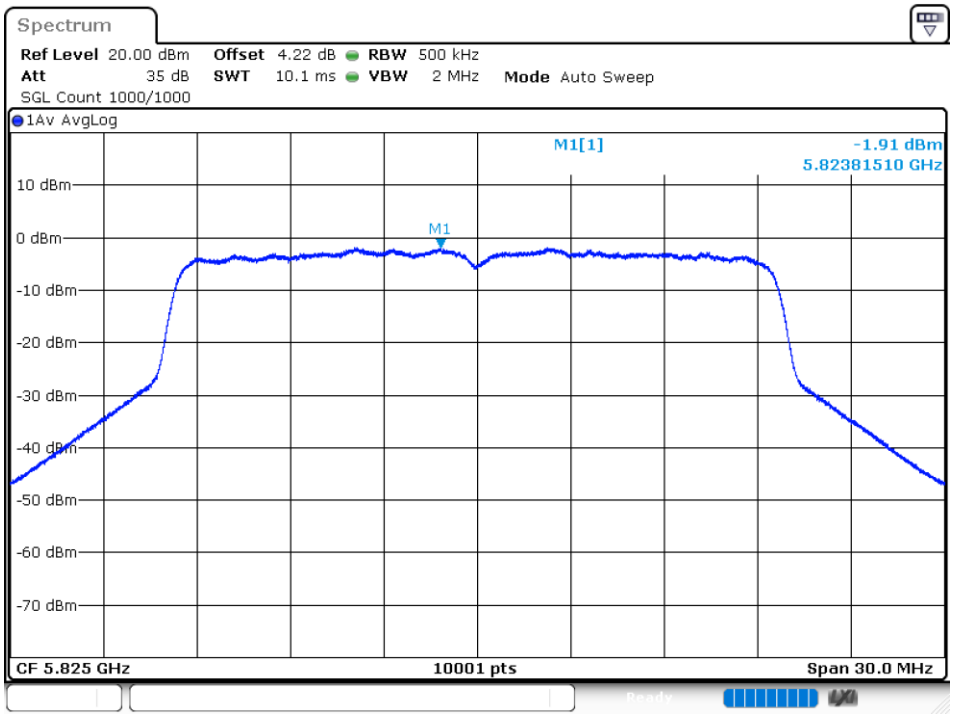
PSD NVNT ax20 5785MHz Ant1



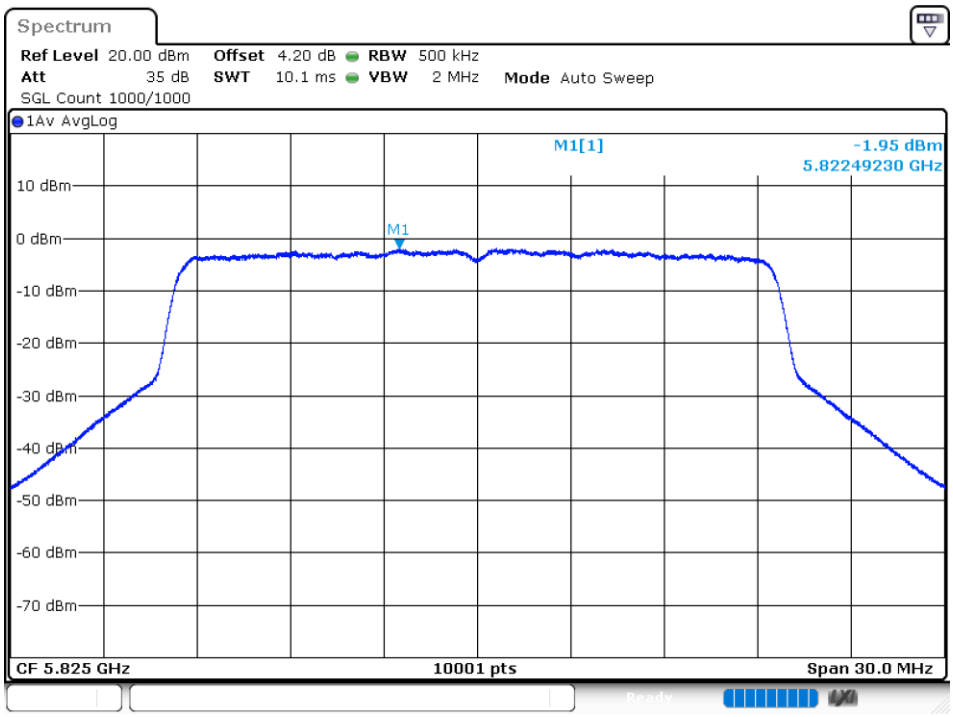
PSD NVNT ax20 5785MHz Ant2



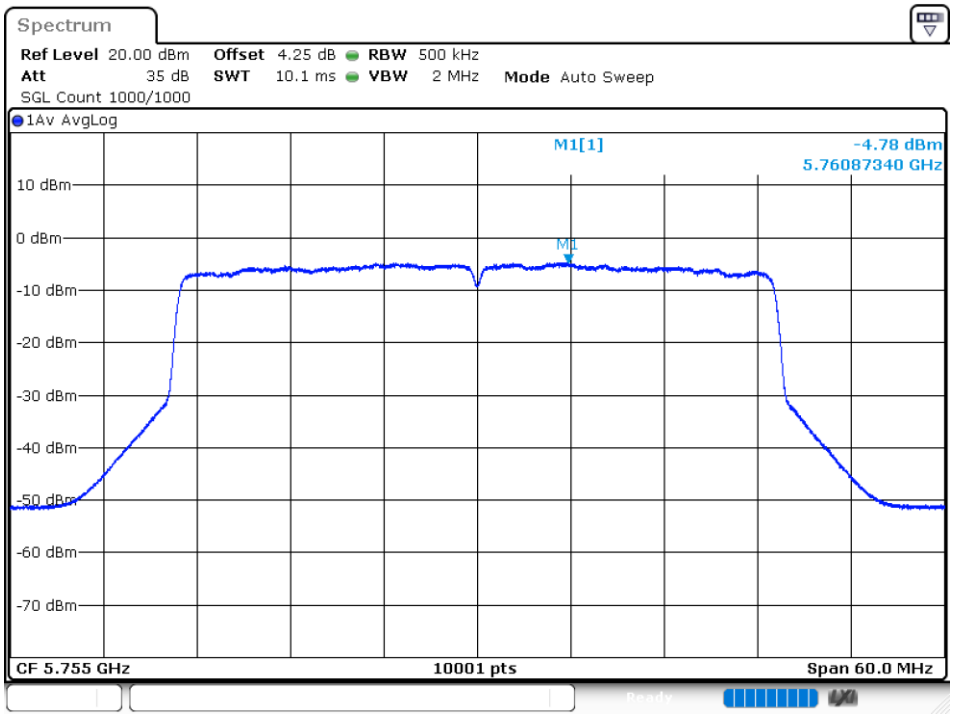
PSD NVNT ax20 5825MHz Ant1



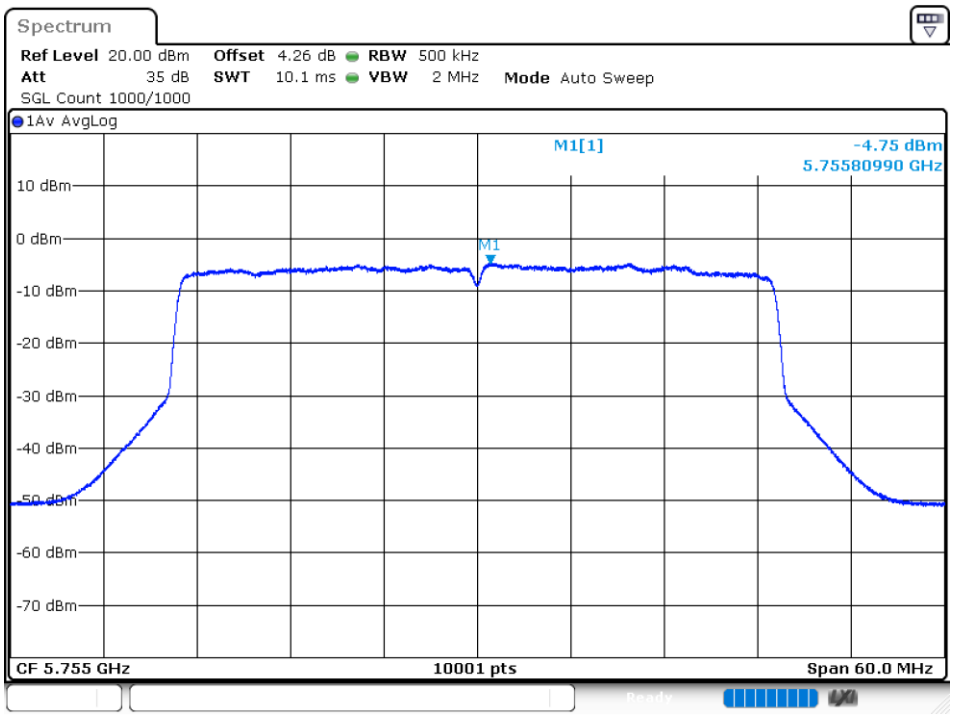
PSD NVNT ax20 5825MHz Ant2



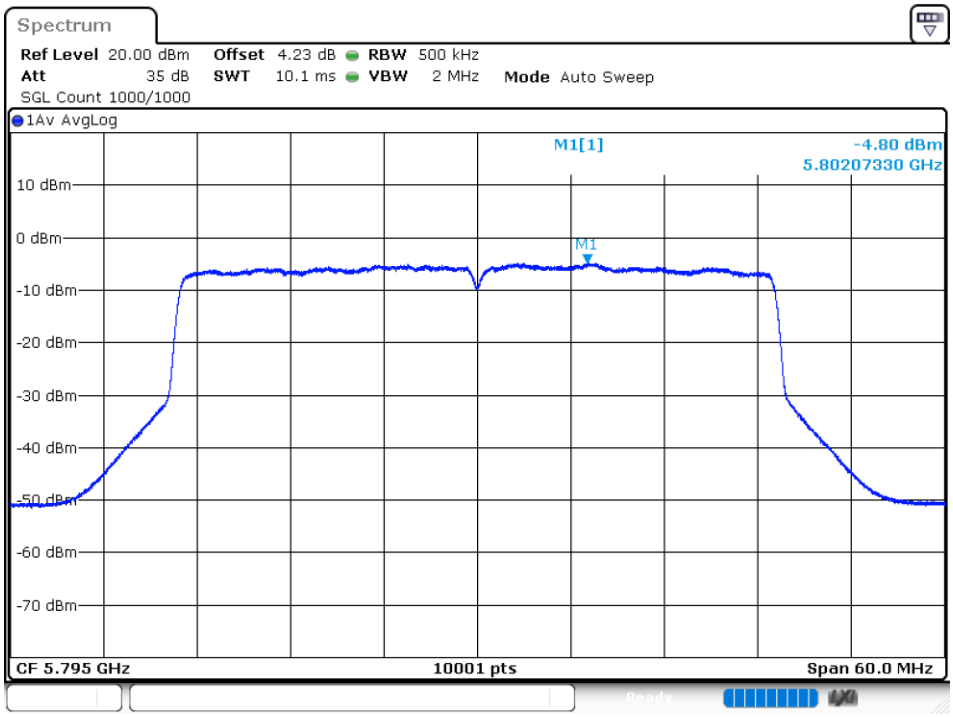
PSD NVNT ax40 5755MHz Ant1



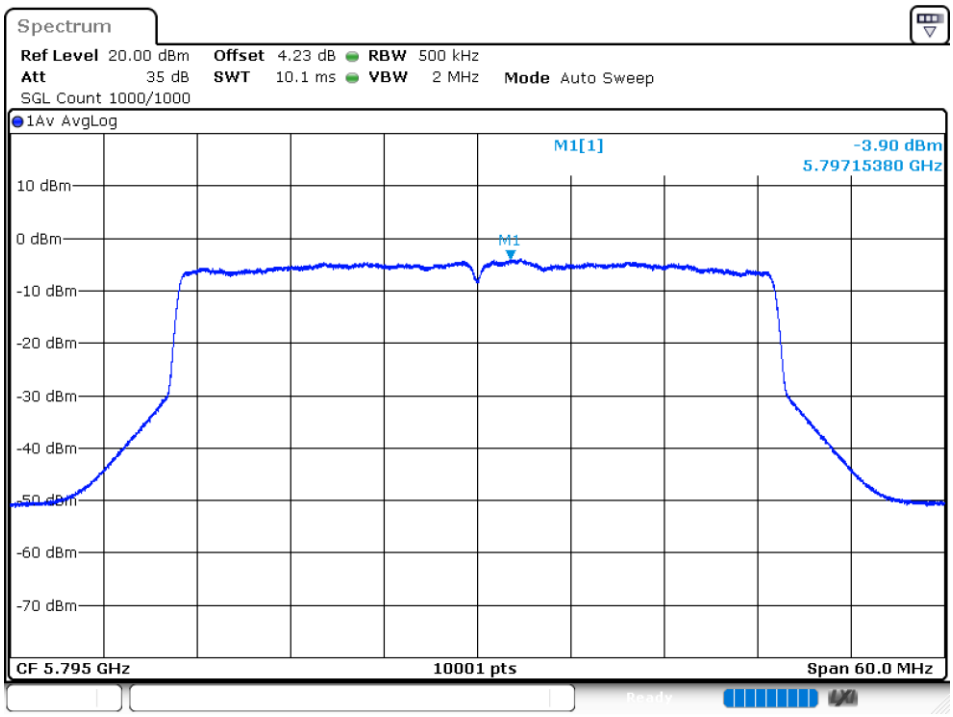
PSD NVNT ax40 5755MHz Ant2



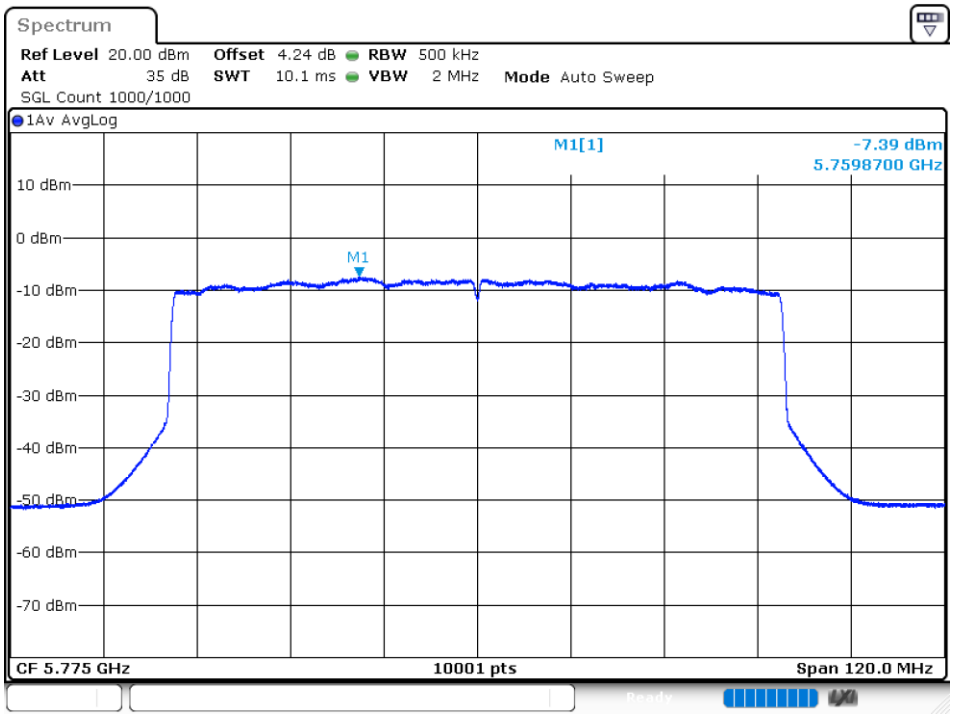
PSD NVNT ax40 5795MHz Ant1



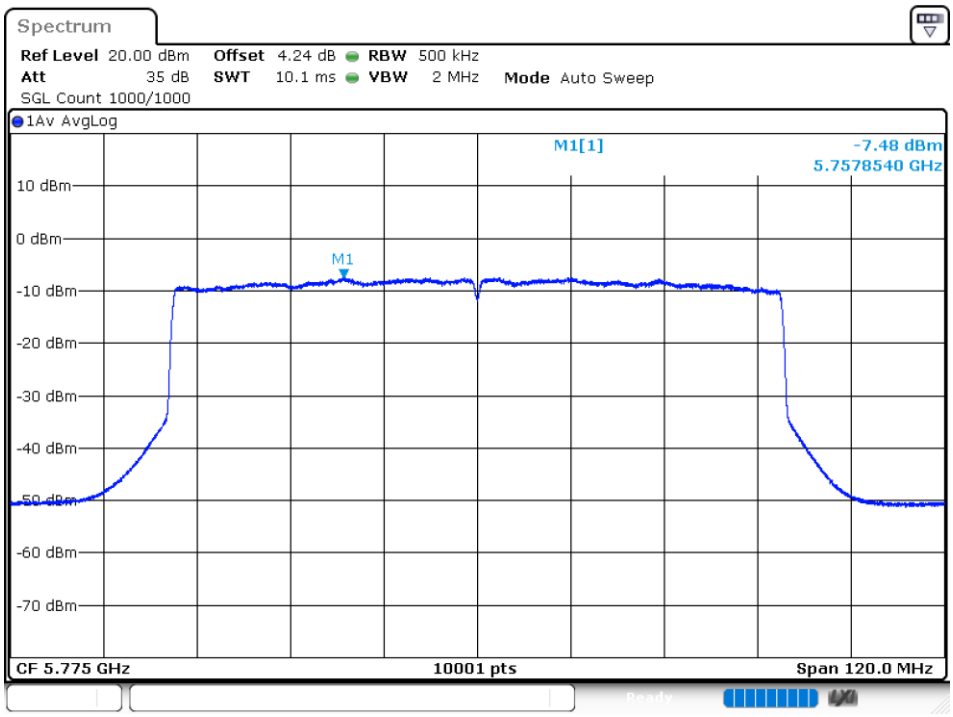
PSD NVNT ax40 5795MHz Ant2



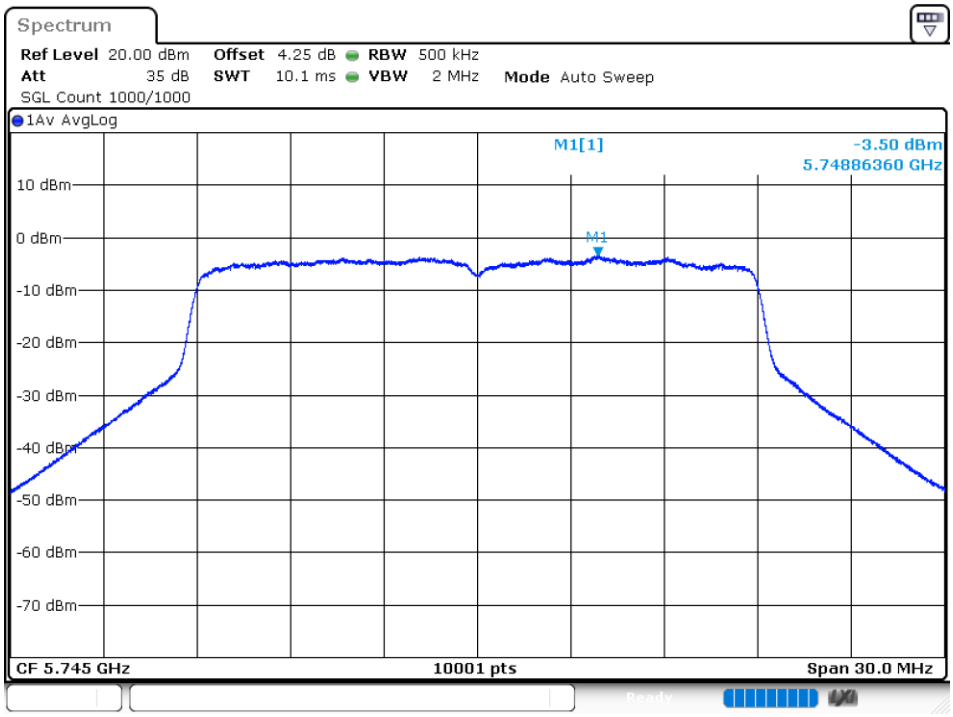
PSD NVNT ax80 5775MHz Ant1



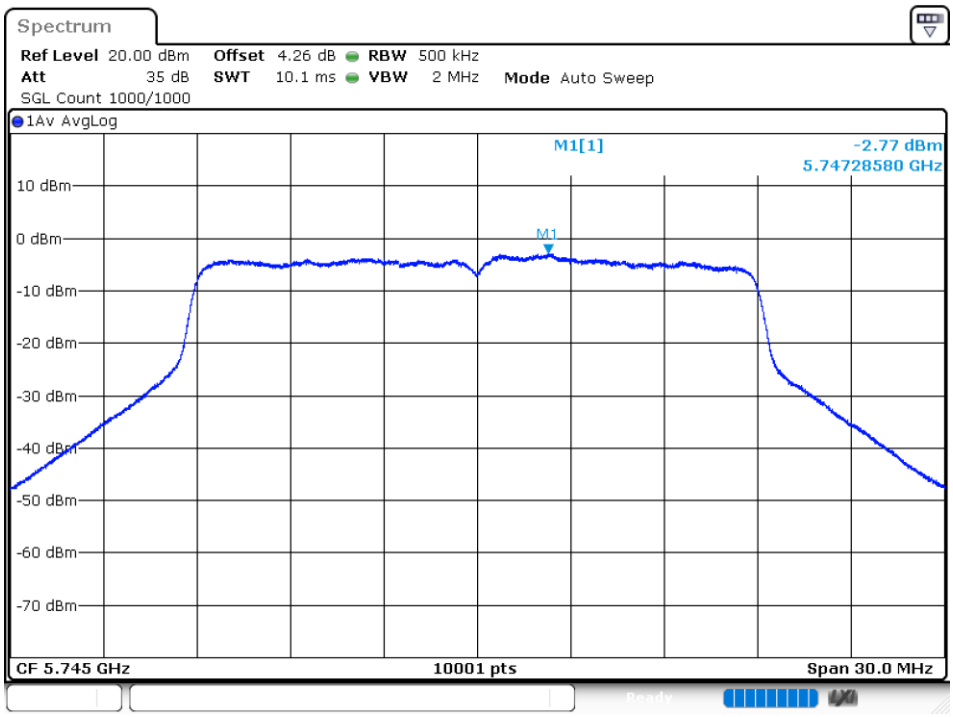
PSD NVNT ax80 5775MHz Ant2



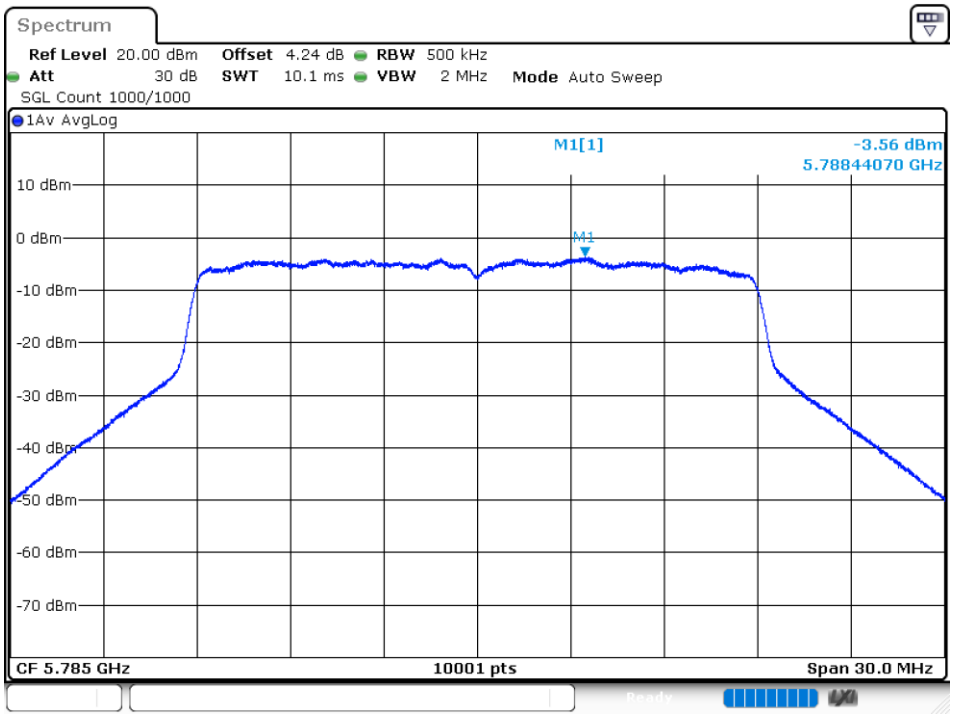
PSD NVNT n20 5745MHz Ant1



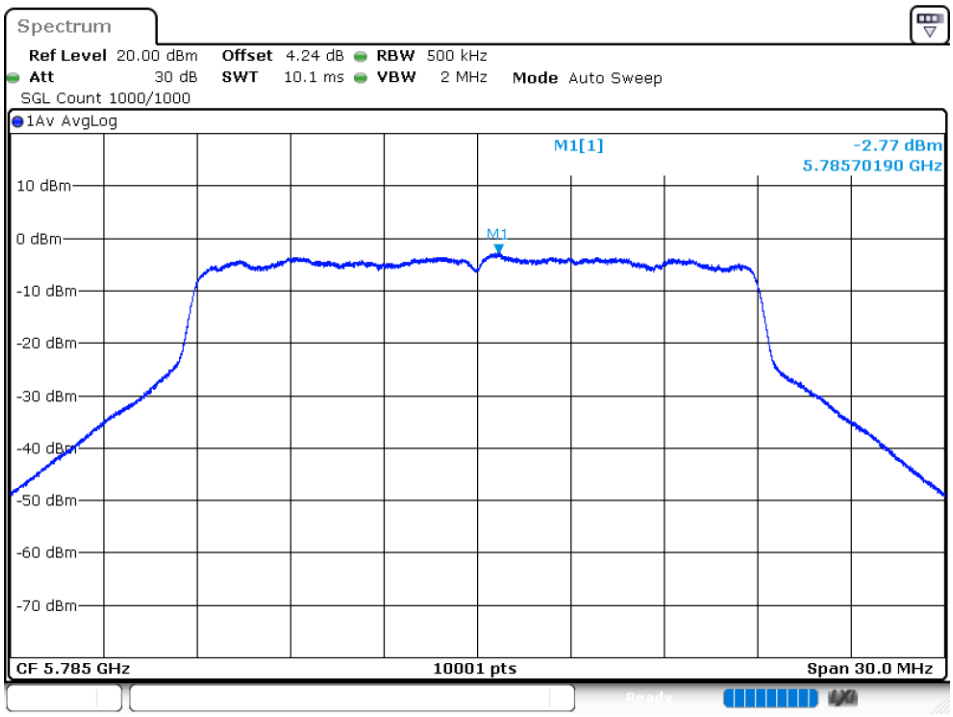
PSD NVNT n20 5745MHz Ant2



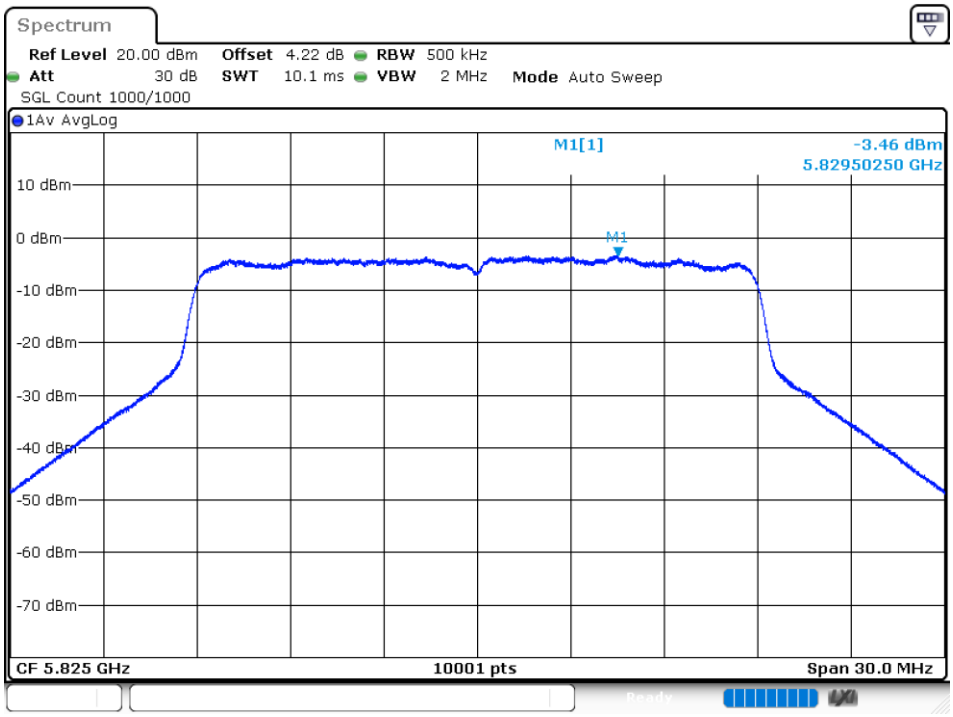
PSD NVNT n20 5785MHz Ant1



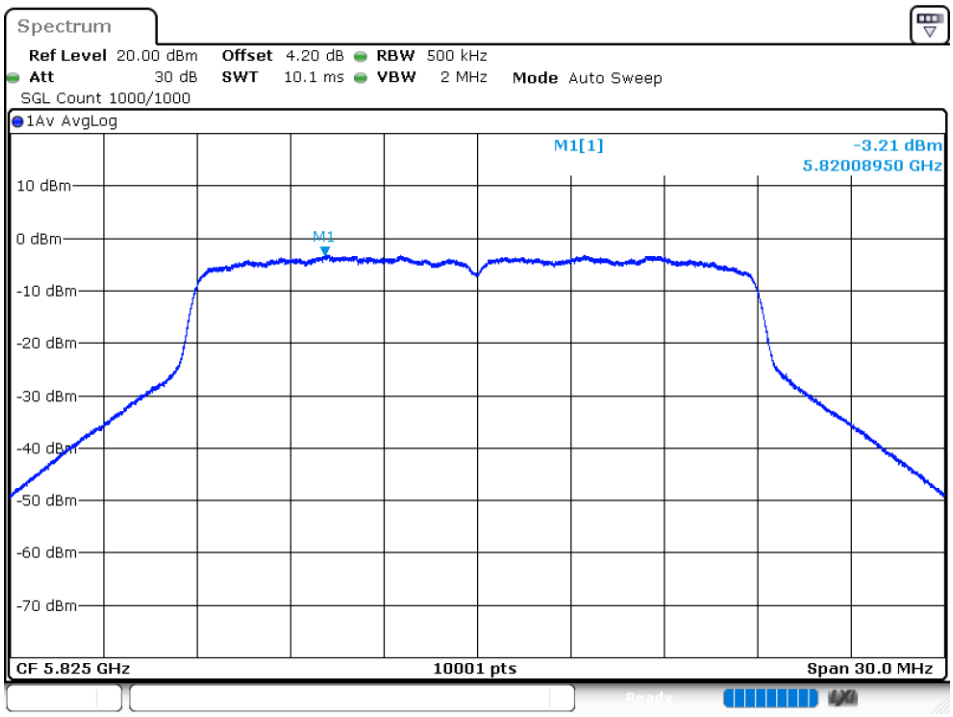
PSD NVNT n20 5785MHz Ant2



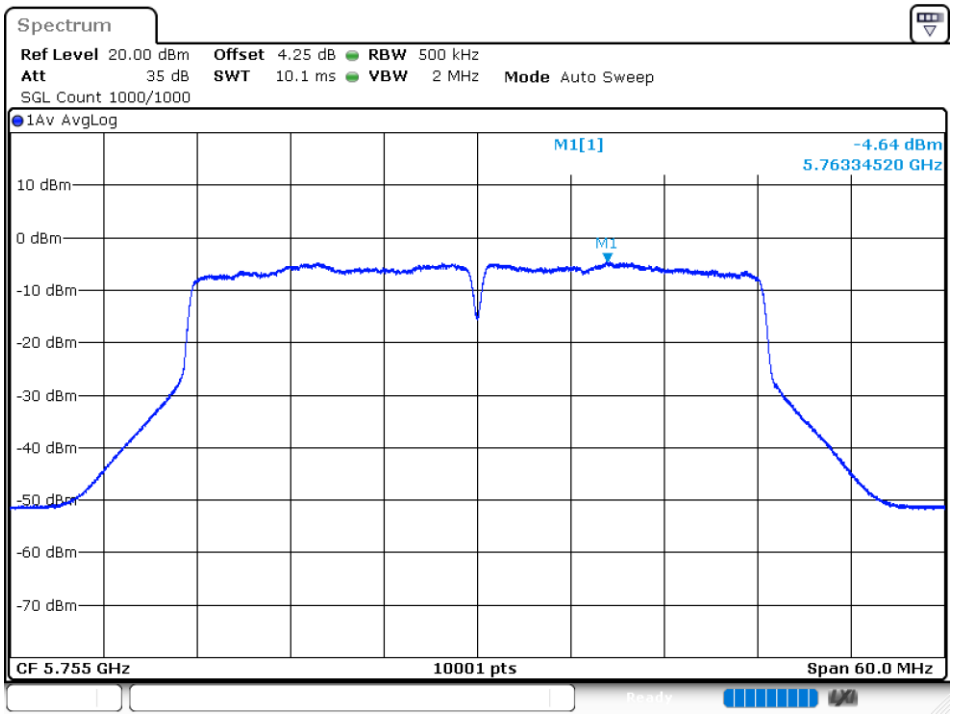
PSD NVNT n20 5825MHz Ant1



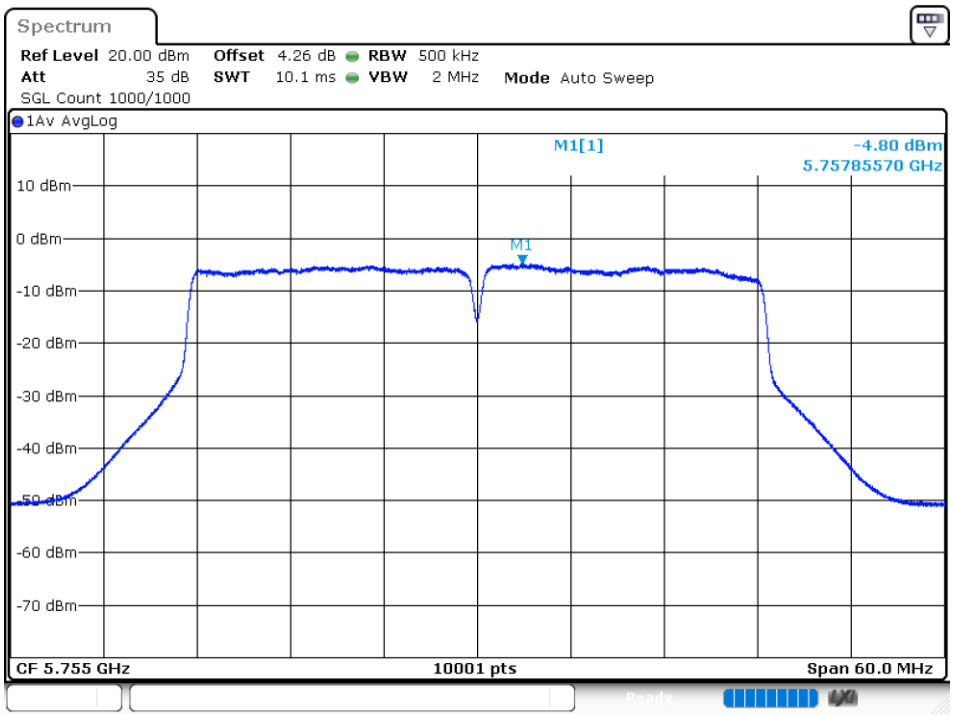
PSD NVNT n20 5825MHz Ant2



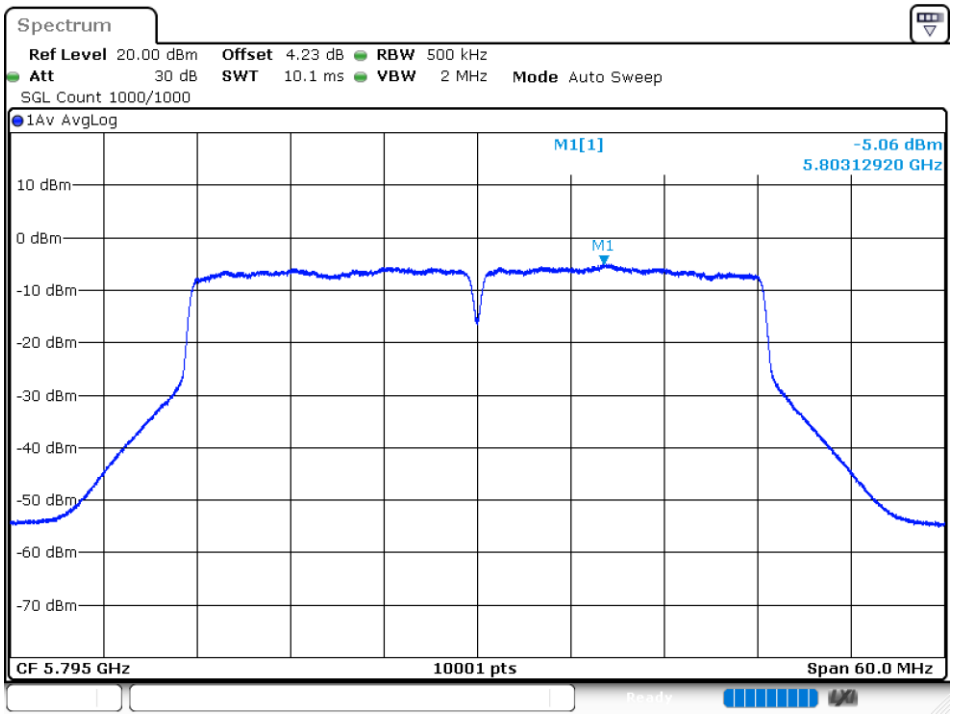
PSD NVNT n40 5755MHz Ant1



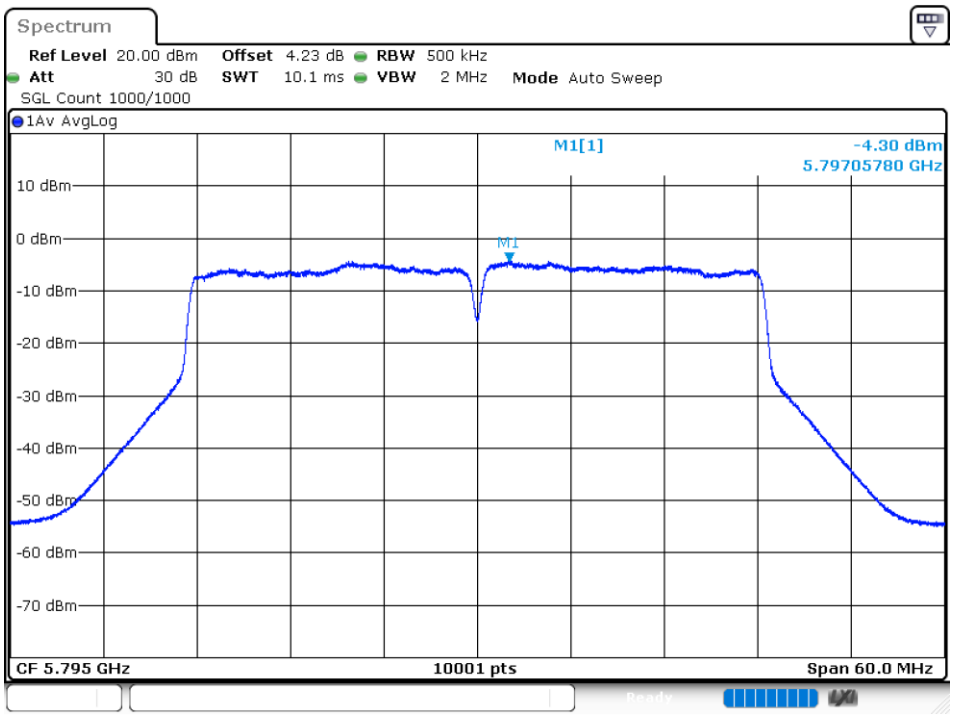
PSD NVNT n40 5755MHz Ant2



PSD NVNT n40 5795MHz Ant1



PSD NVNT n40 5795MHz Ant2



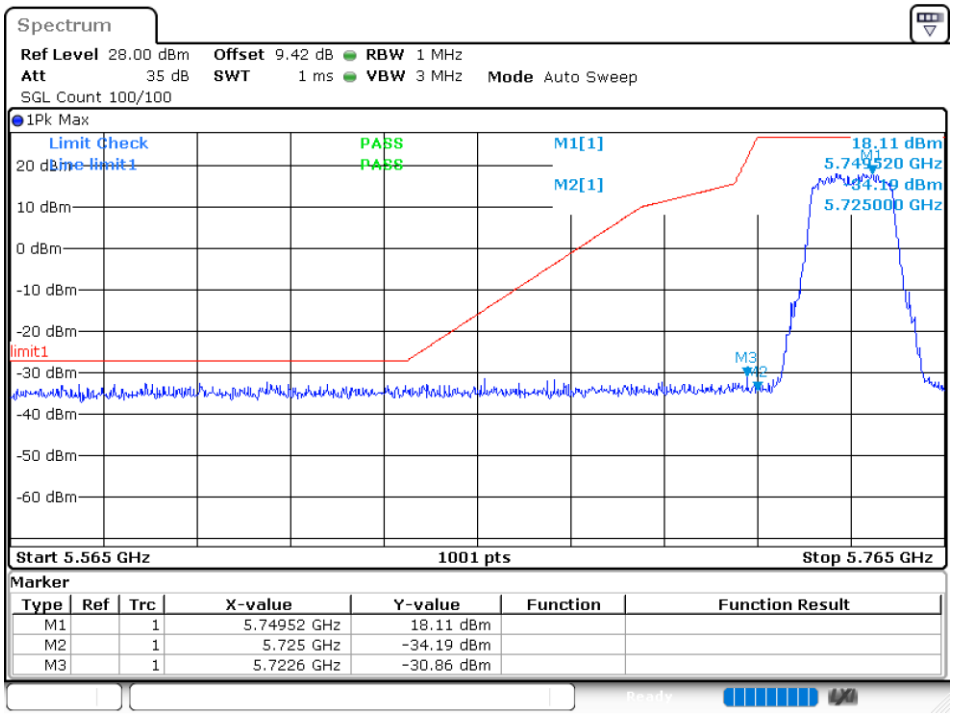
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	ac20	5745	Ant1	-30.86	Pass
NVNT	ac20	5745	Ant2	-31.47	Pass
NVNT	ac20	5825	Ant1	-30.24	Pass
NVNT	ac20	5825	Ant2	-30.31	Pass
NVNT	ac40	5755	Ant1	-31.41	Pass
NVNT	ac40	5755	Ant2	-29.83	Pass
NVNT	ac40	5795	Ant1	-29.69	Pass
NVNT	ac40	5795	Ant2	-29.81	Pass
NVNT	ac80	5775	Ant1	-30.49	Pass
NVNT	ac80	5775	Ant2	-29.64	Pass
NVNT	ax20	5745	Ant1	-31.32	Pass
NVNT	ax20	5745	Ant2	-30.99	Pass
NVNT	ax20	5825	Ant1	-29.9	Pass
NVNT	ax20	5825	Ant2	-29.85	Pass
NVNT	ax40	5755	Ant1	-31.15	Pass
NVNT	ax40	5755	Ant2	-29.61	Pass
NVNT	ax40	5795	Ant1	-29.73	Pass
NVNT	ax40	5795	Ant2	-29.94	Pass
NVNT	ax80	5775	Ant1	-30.65	Pass
NVNT	ax80	5775	Ant2	-30.05	Pass
NVNT	n20	5745	Ant1	-26.67	Pass
NVNT	n20	5745	Ant2	-27.24	Pass
NVNT	n20	5825	Ant1	-29.68	Pass
NVNT	n20	5825	Ant2	-29.57	Pass
NVNT	n40	5755	Ant1	-30.92	Pass
NVNT	n40	5755	Ant2	-29.4	Pass
NVNT	n40	5795	Ant1	-29.37	Pass
NVNT	n40	5795	Ant2	-29.96	Pass

Note: This test has increased antenna gain, and the amplitude of Band Edge which are attenuated by more than 3dB below the permissible value.

Test Graphs

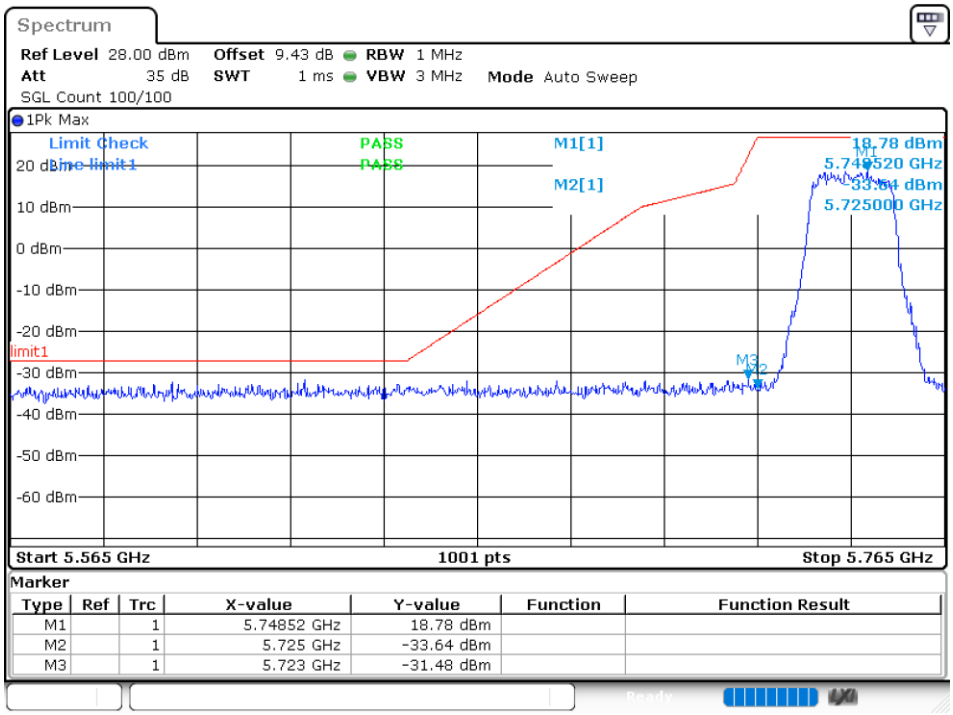
Band Edge NVNT ac20 5745MHz Low Ant1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.74952 GHz	18.11 dBm		
M2		1	5.725 GHz	-34.19 dBm		
M3		1	5.7226 GHz	-30.86 dBm		

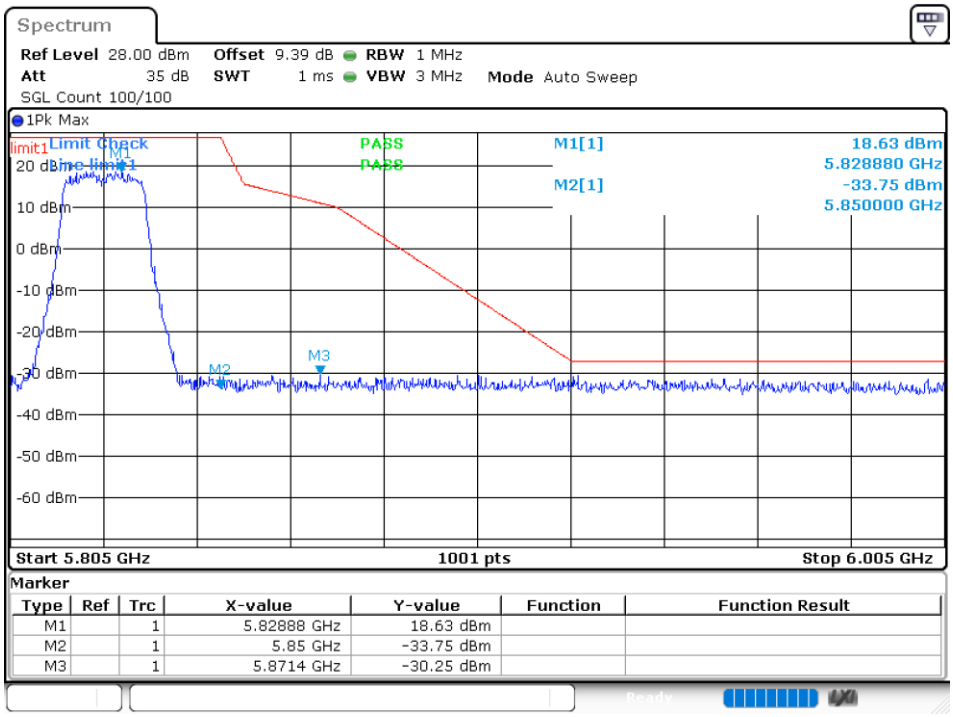
Band Edge NVNT ac20 5745MHz Low Ant2



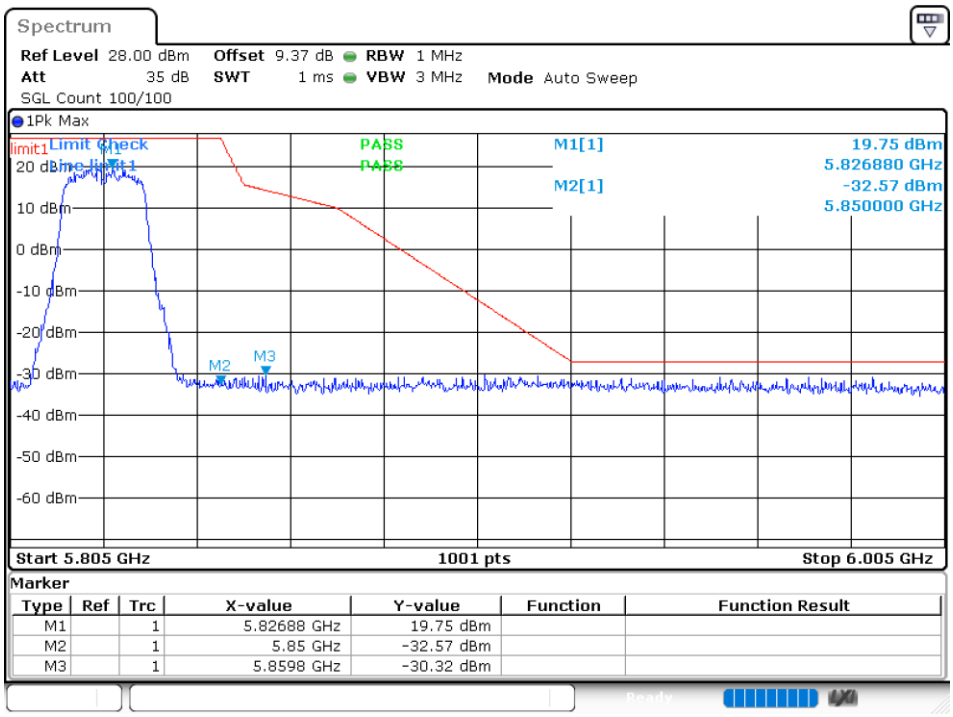
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.74852 GHz	18.78 dBm		
M2		1	5.725 GHz	-33.64 dBm		
M3		1	5.723 GHz	-31.48 dBm		

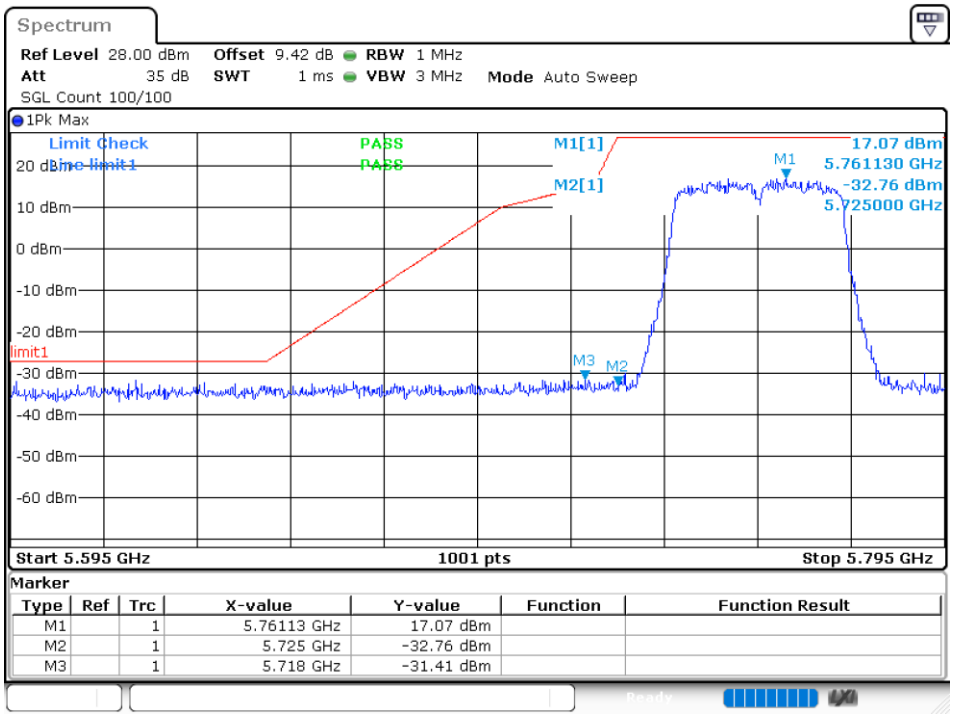
Band Edge NVNT ac20 5825MHz High Ant1



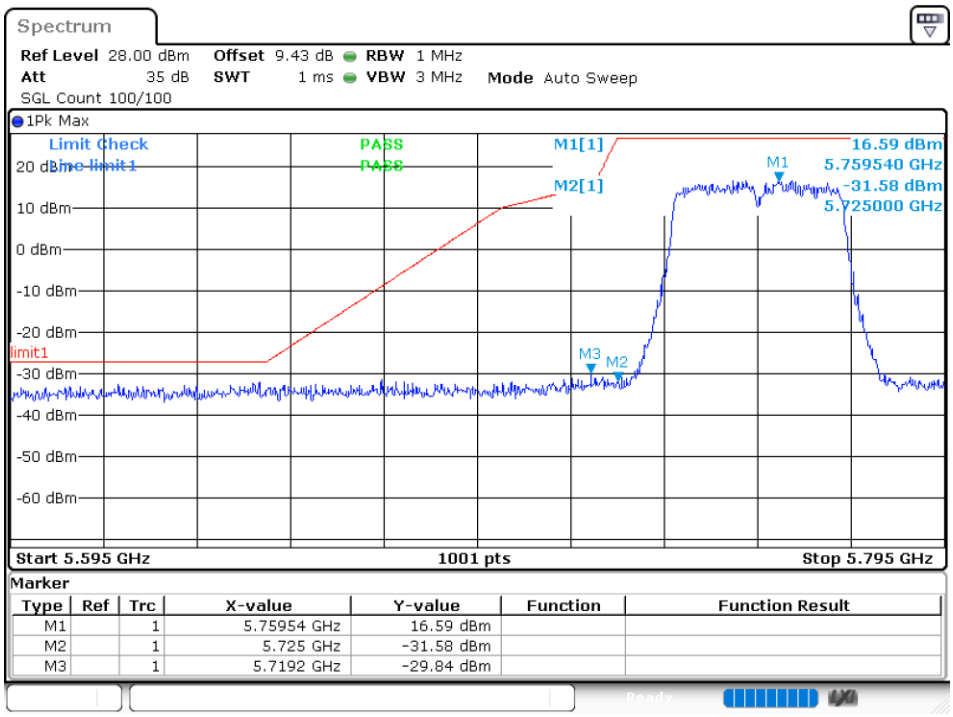
Band Edge NVNT ac20 5825MHz High Ant2



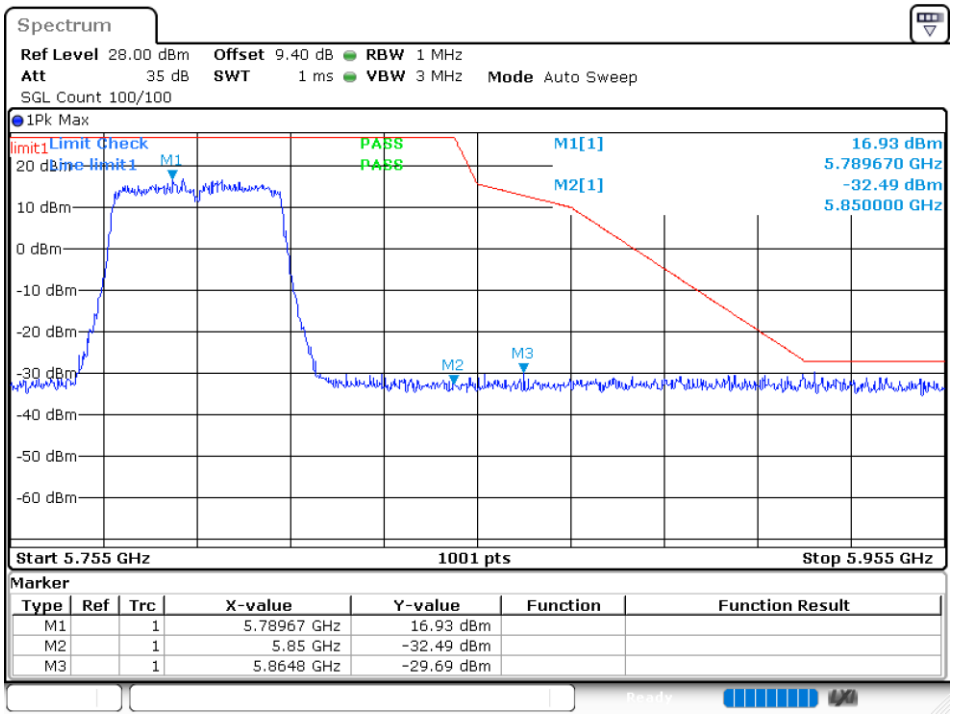
Band Edge NVNT ac40 5755MHz Low Ant1



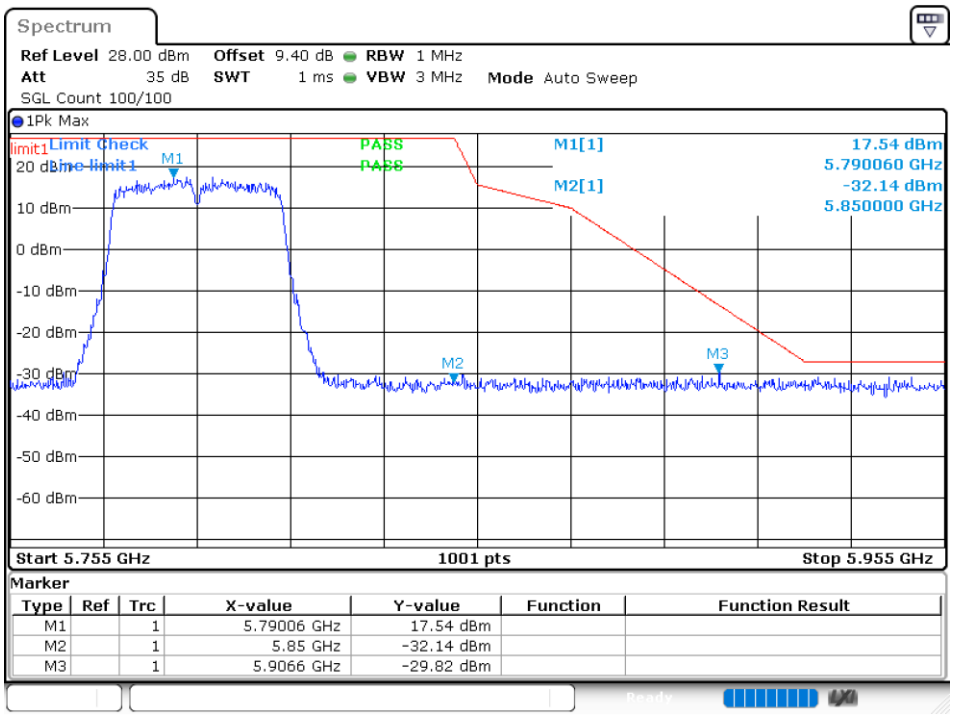
Band Edge NVNT ac40 5755MHz Low Ant2



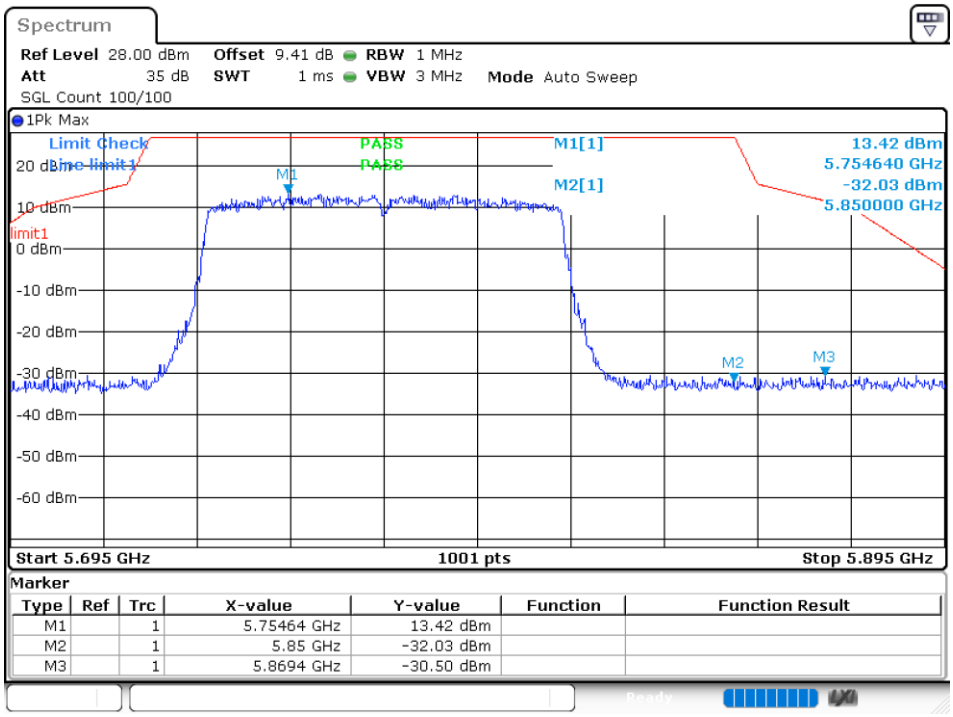
Band Edge NVNT ac40 5795MHz High Ant1



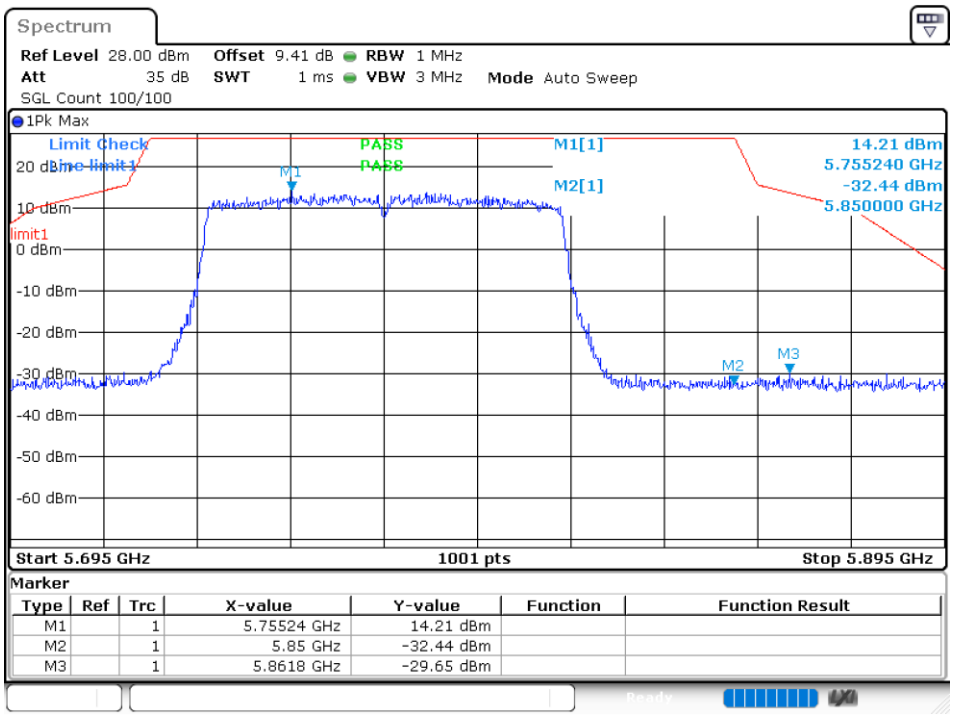
Band Edge NVNT ac40 5795MHz High Ant2



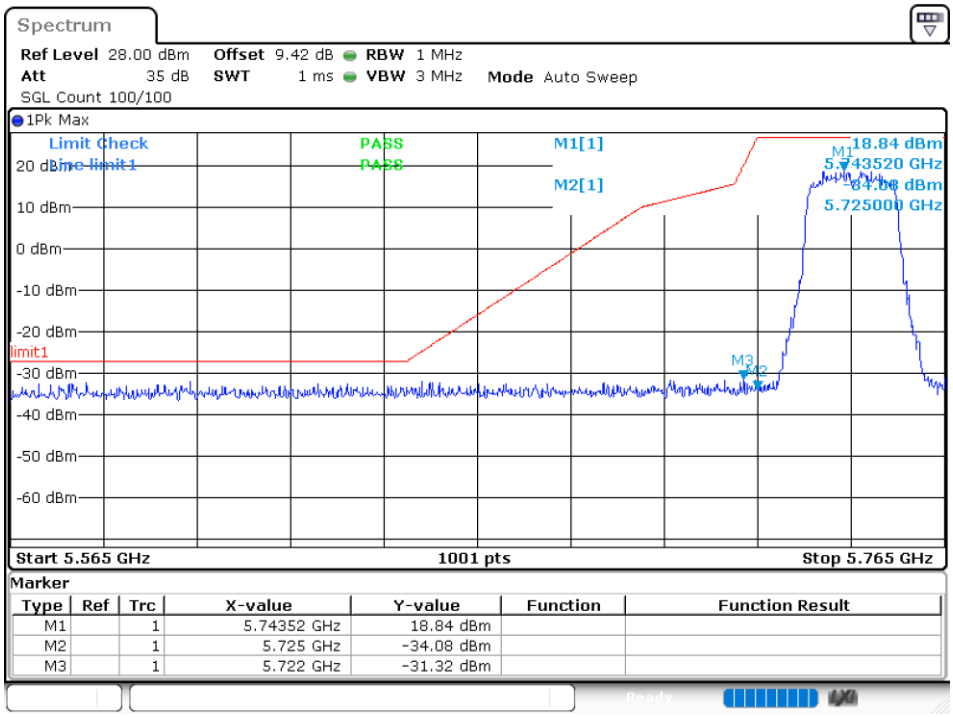
Band Edge NVNT ac80 5775MHz High Ant1



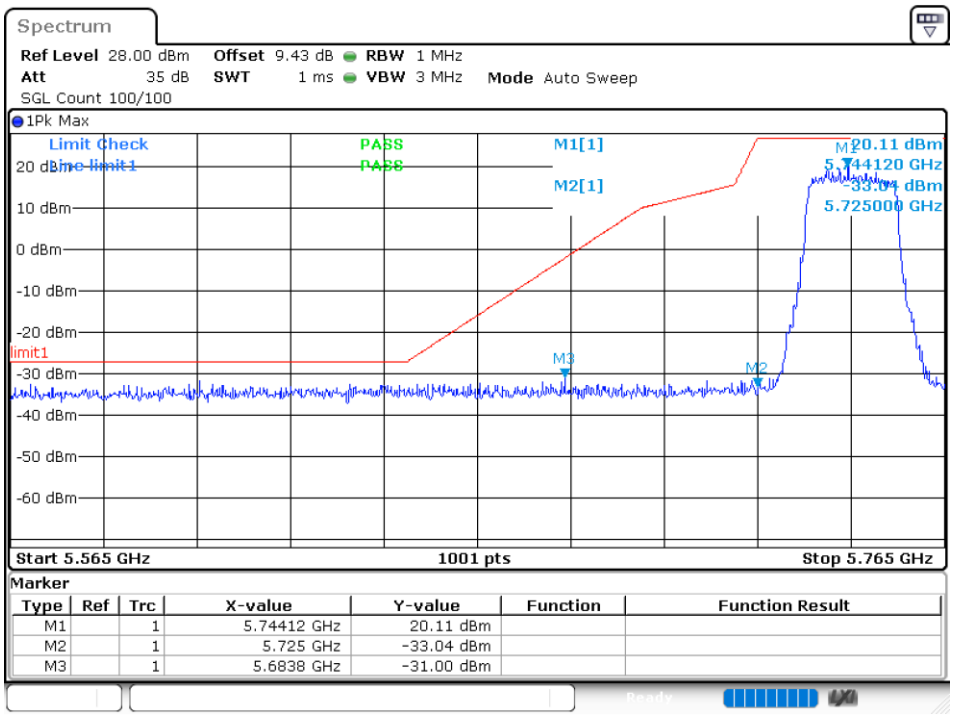
Band Edge NVNT ac80 5775MHz High Ant2



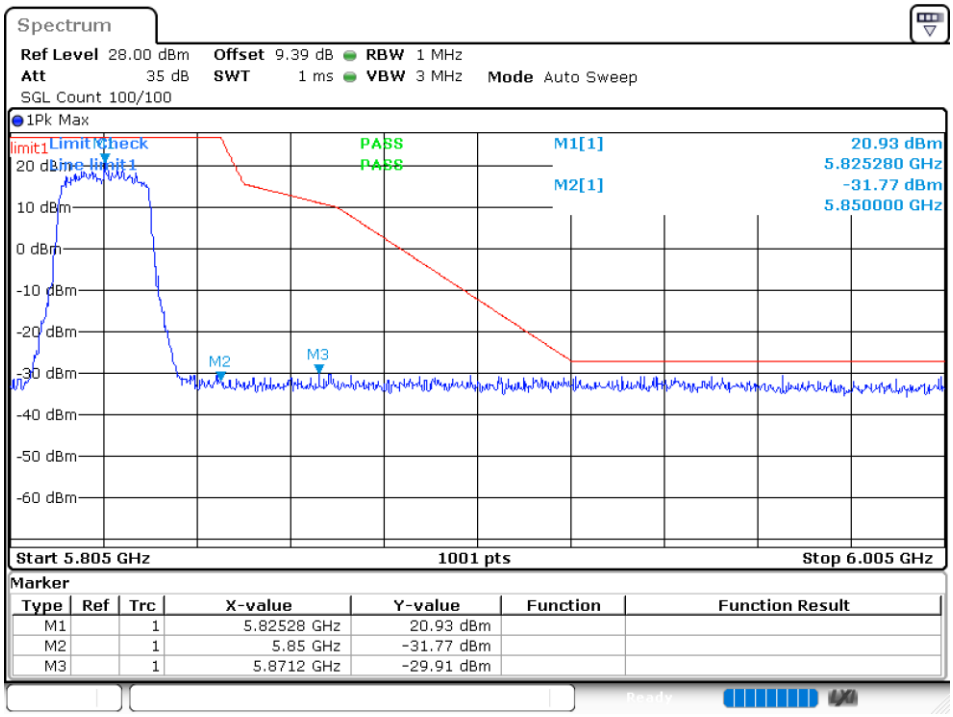
Band Edge NVNT ax20 5745MHz Low Ant1



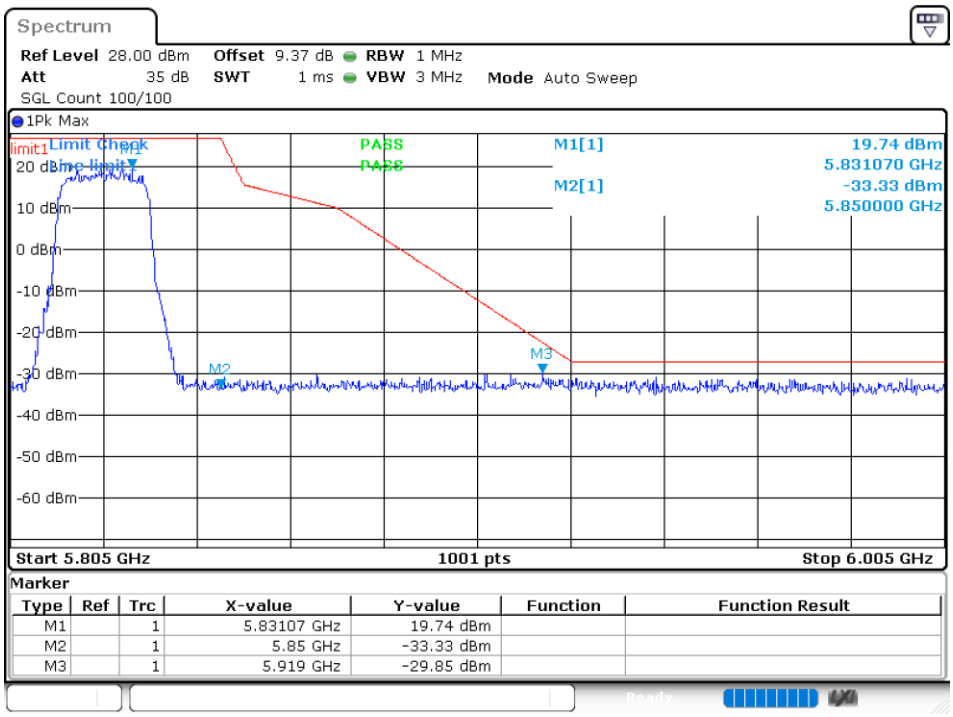
Band Edge NVNT ax20 5745MHz Low Ant2



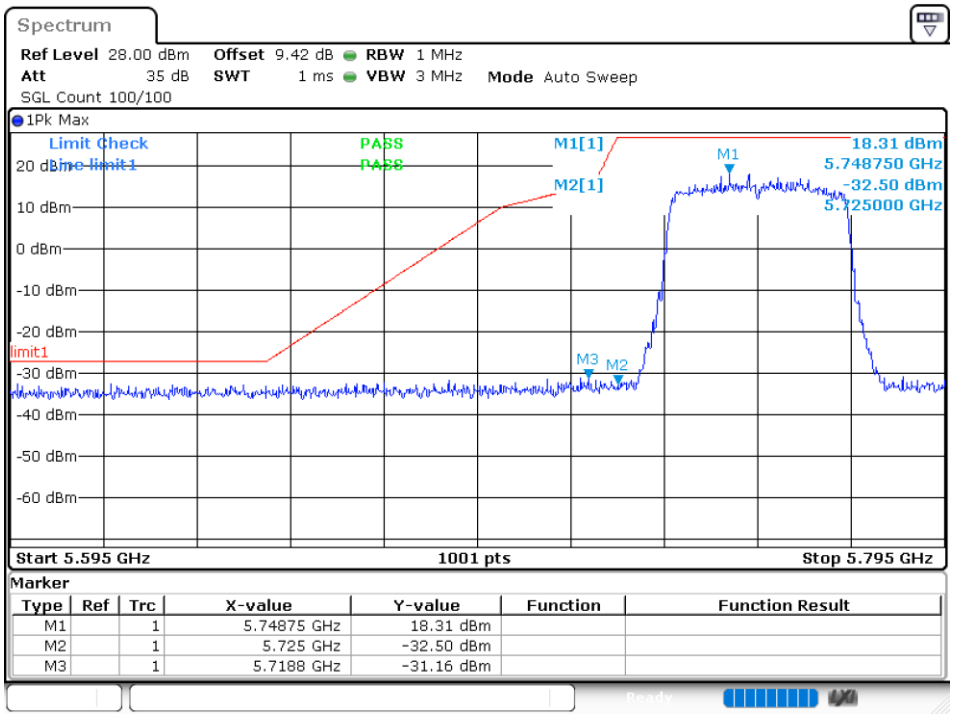
Band Edge NVNT ax20 5825MHz High Ant1



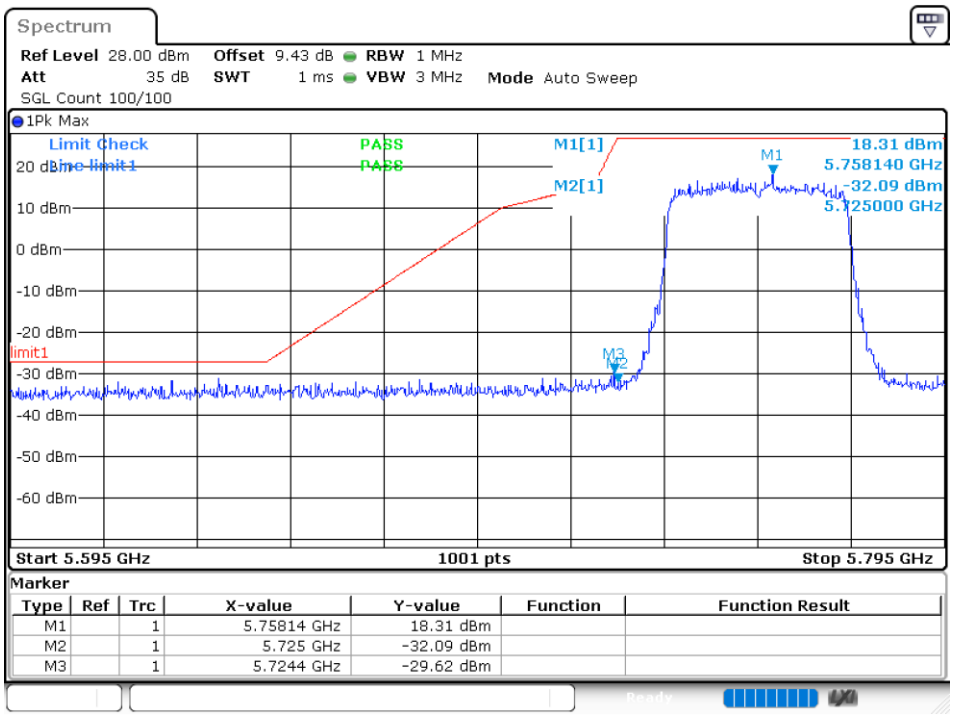
Band Edge NVNT ax20 5825MHz High Ant2



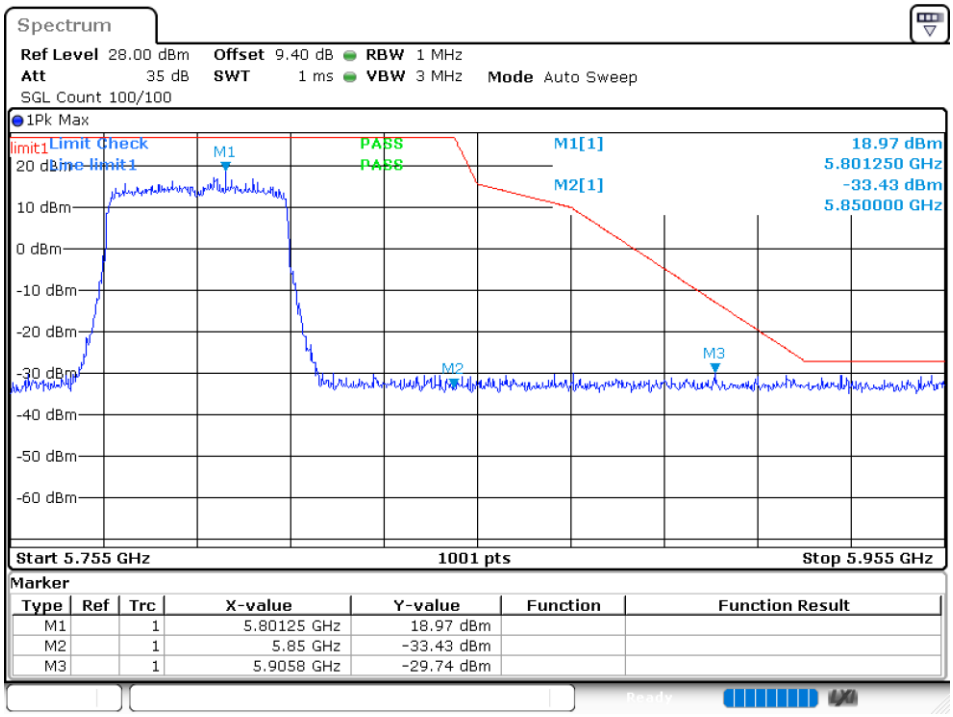
Band Edge NVNT ax40 5755MHz Low Ant1



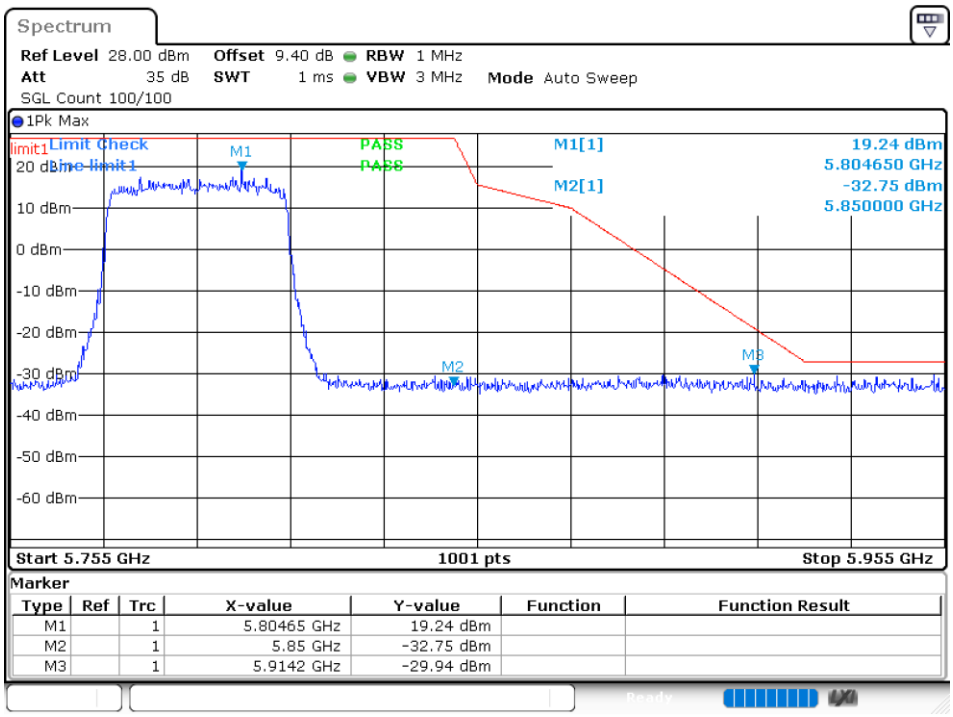
Band Edge NVNT ax40 5755MHz Low Ant2



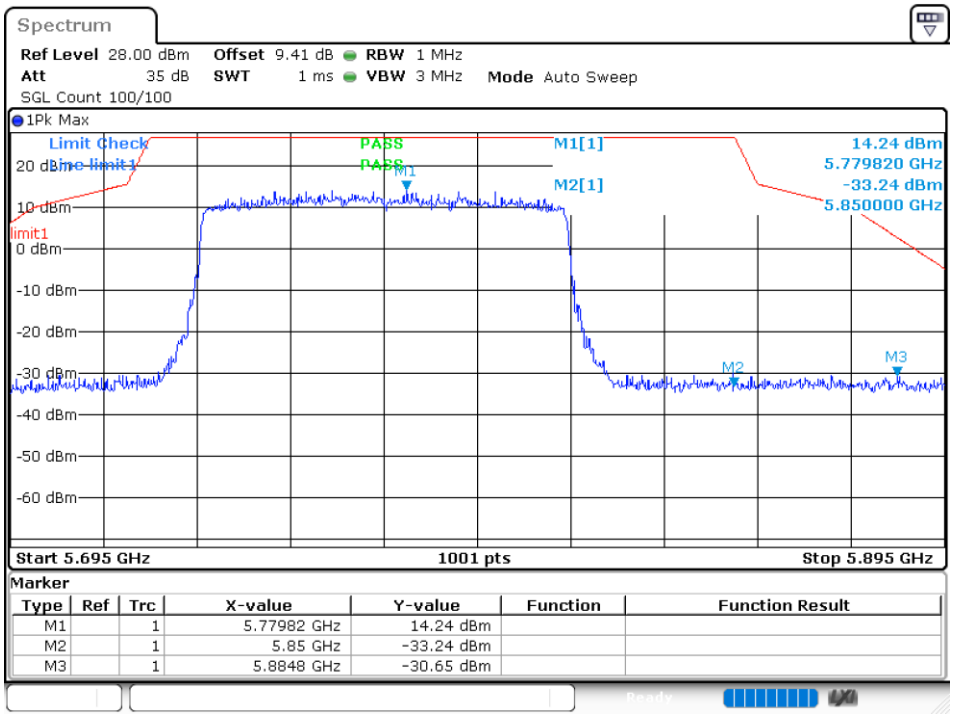
Band Edge NVNT ax40 5795MHz High Ant1



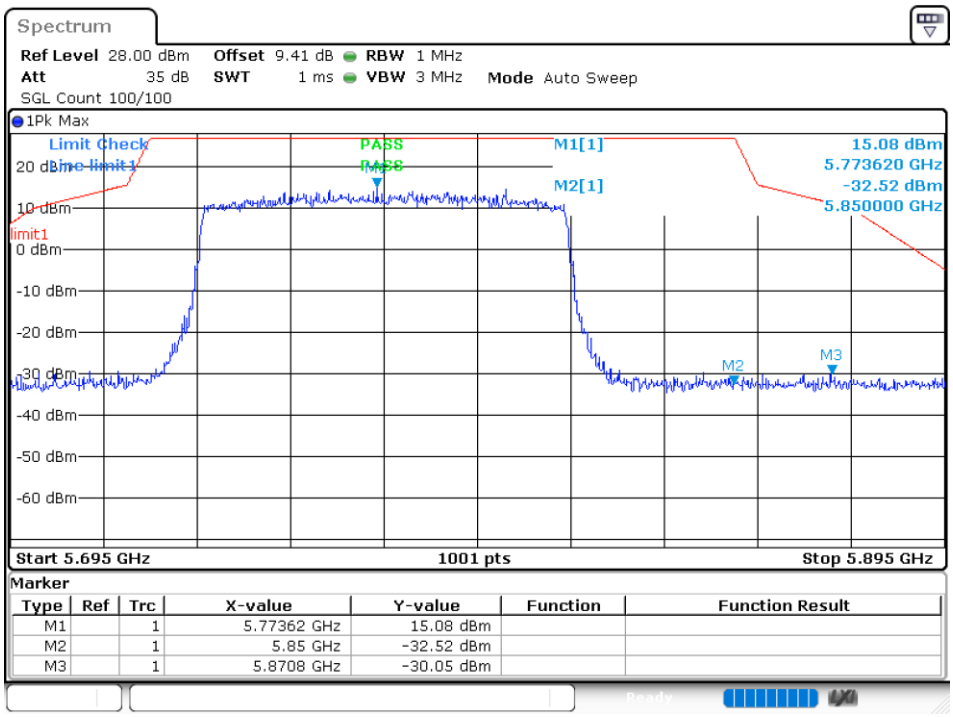
Band Edge NVNT ax40 5795MHz High Ant2



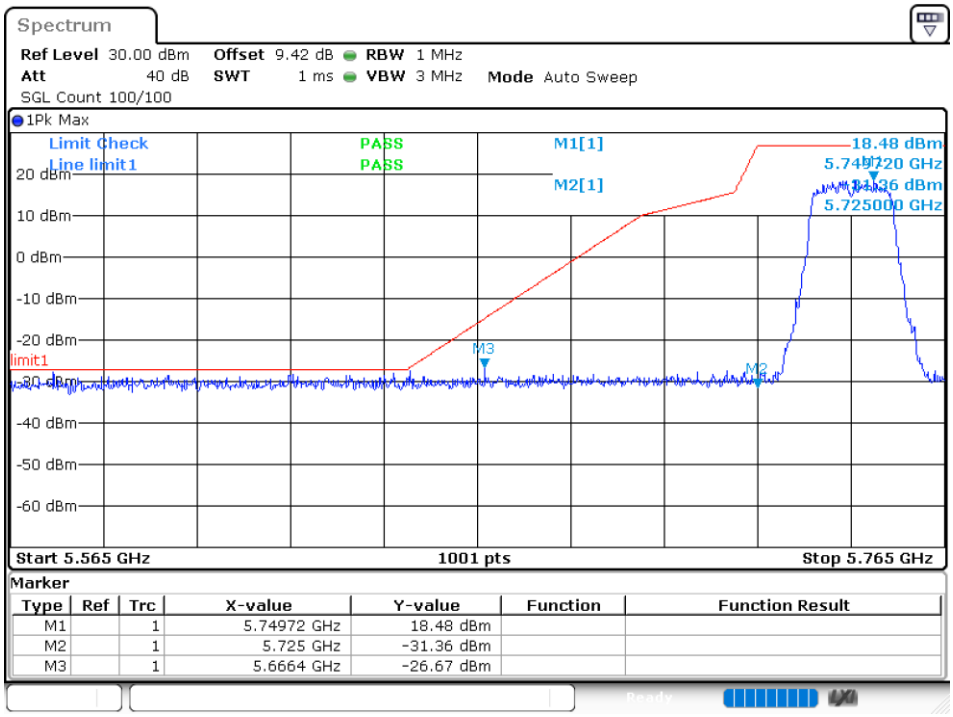
Band Edge NVNT ax80 5775MHz High Ant1



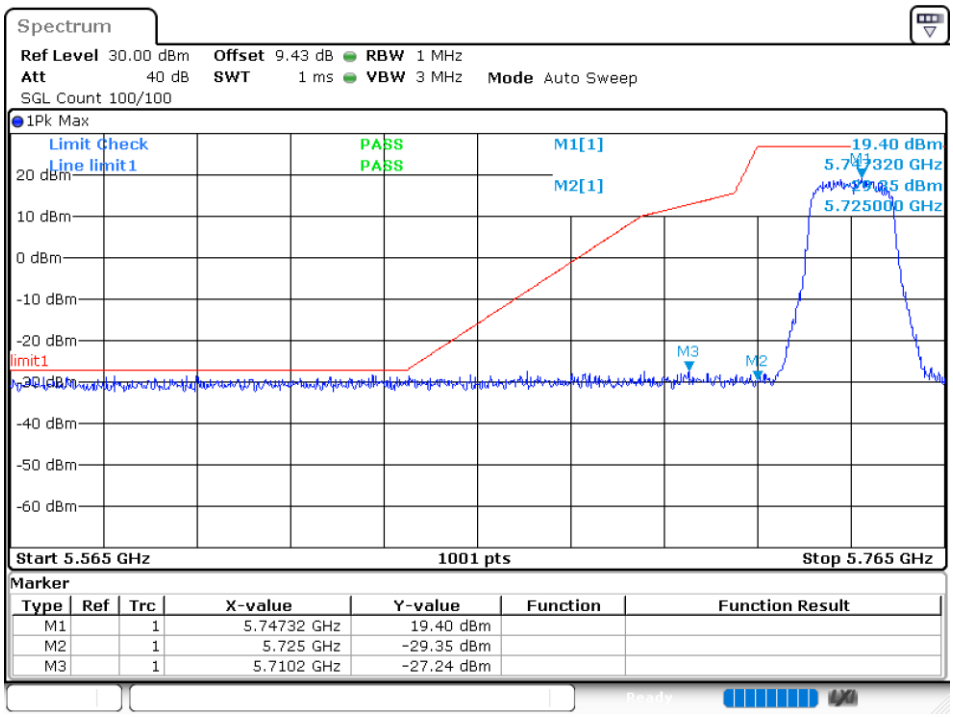
Band Edge NVNT ax80 5775MHz High Ant2



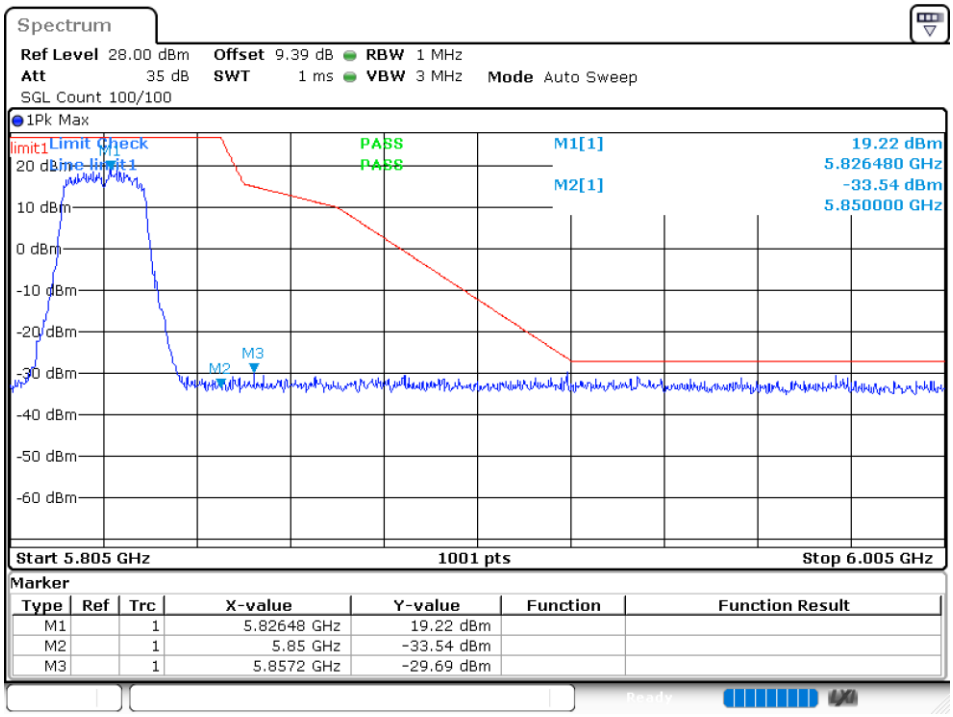
Band Edge NVNT n20 5745MHz Low Ant1



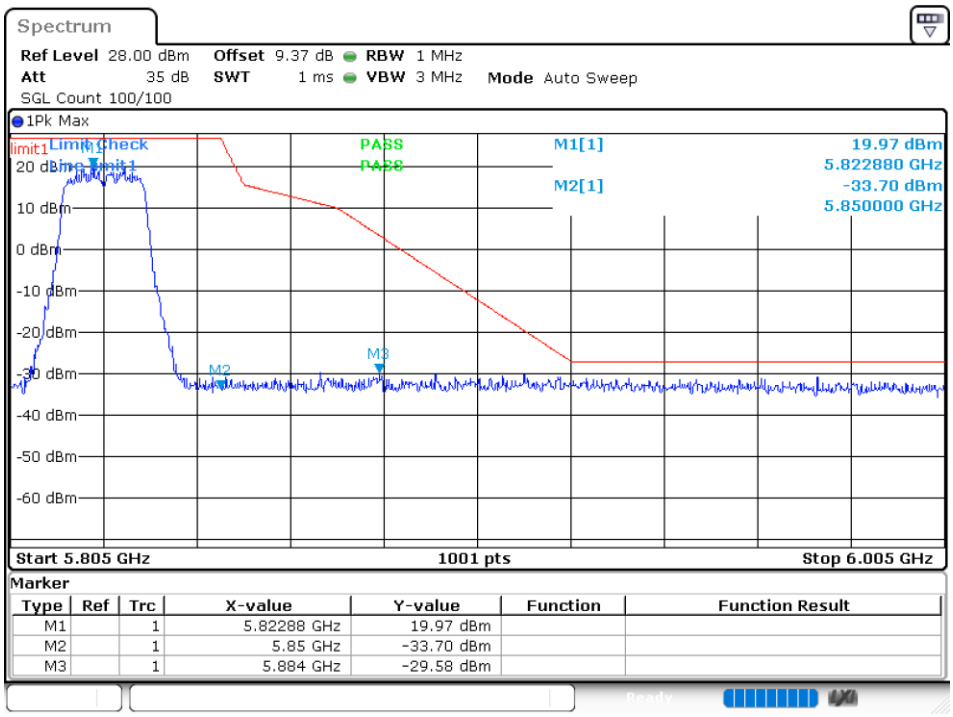
Band Edge NVNT n20 5745MHz Low Ant2



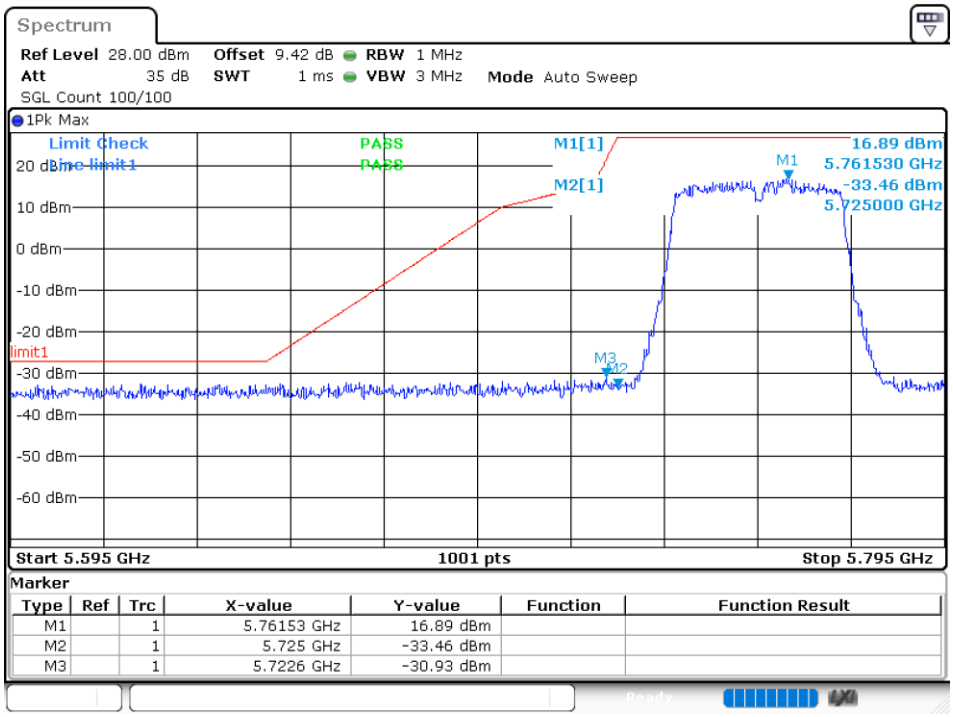
Band Edge NVNT n20 5825MHz High Ant1



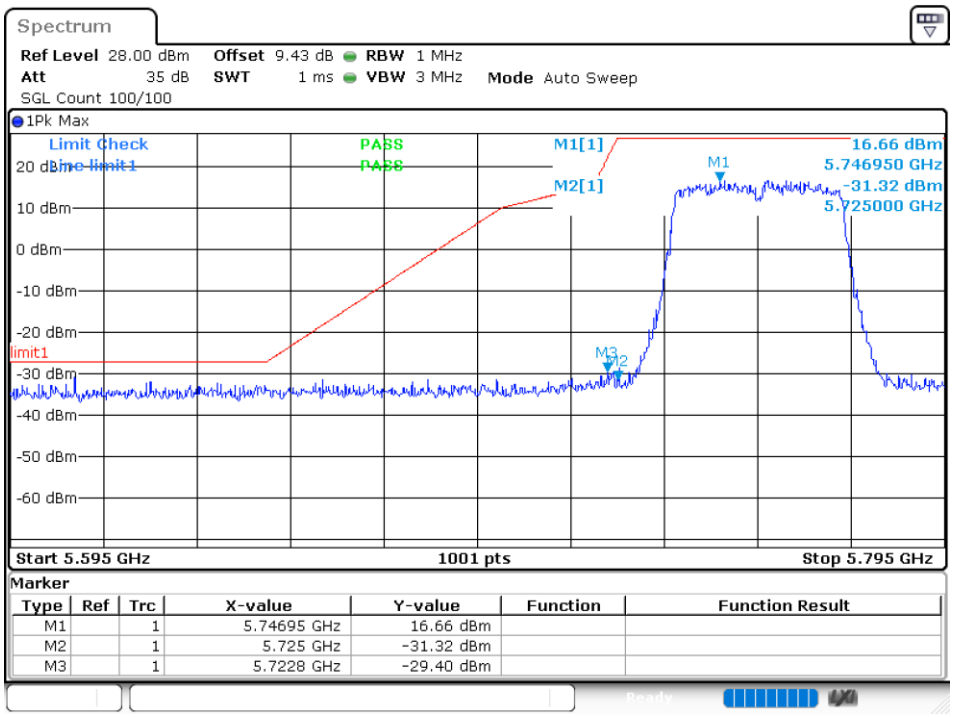
Band Edge NVNT n20 5825MHz High Ant2



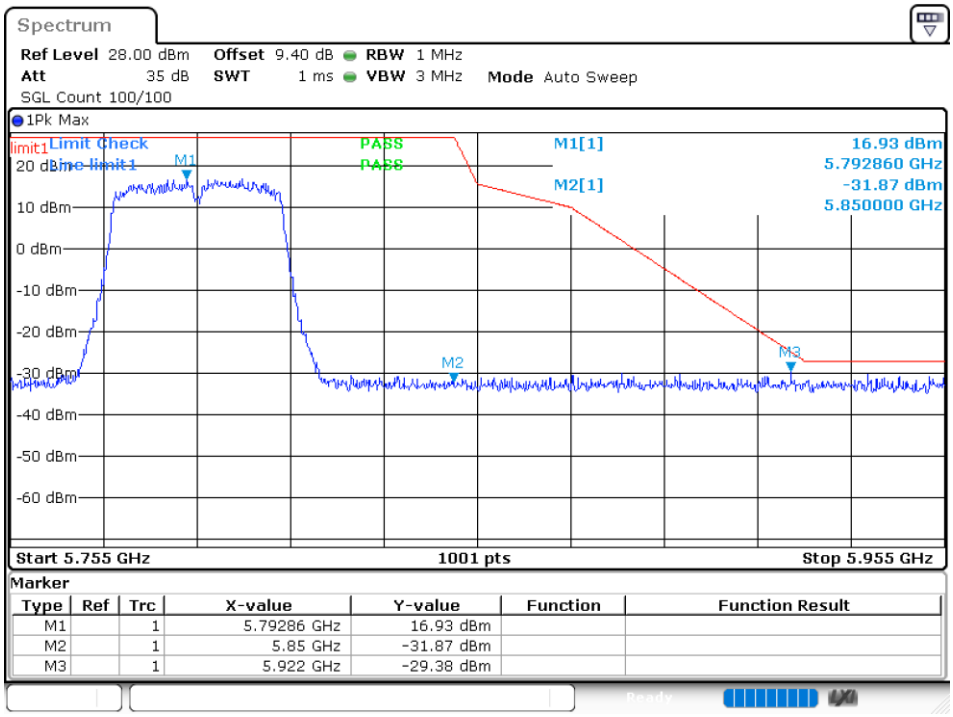
Band Edge NVNT n40 5755MHz Low Ant1



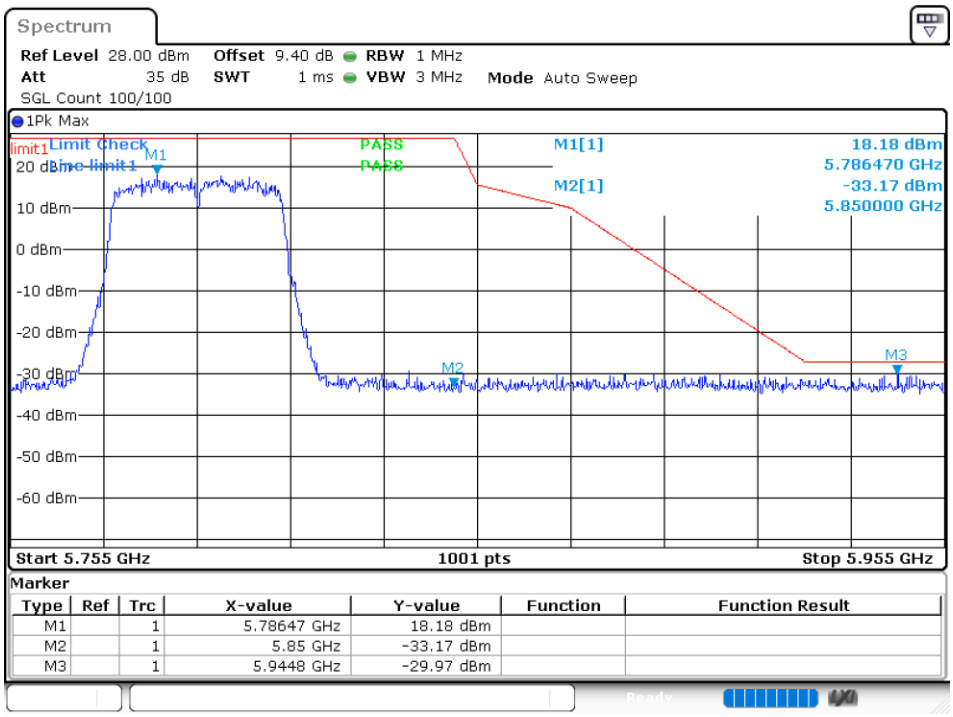
Band Edge NVNT n40 5755MHz Low Ant2



Band Edge NVNT n40 5795MHz High Ant1



Band Edge NVNT n40 5795MHz High Ant2

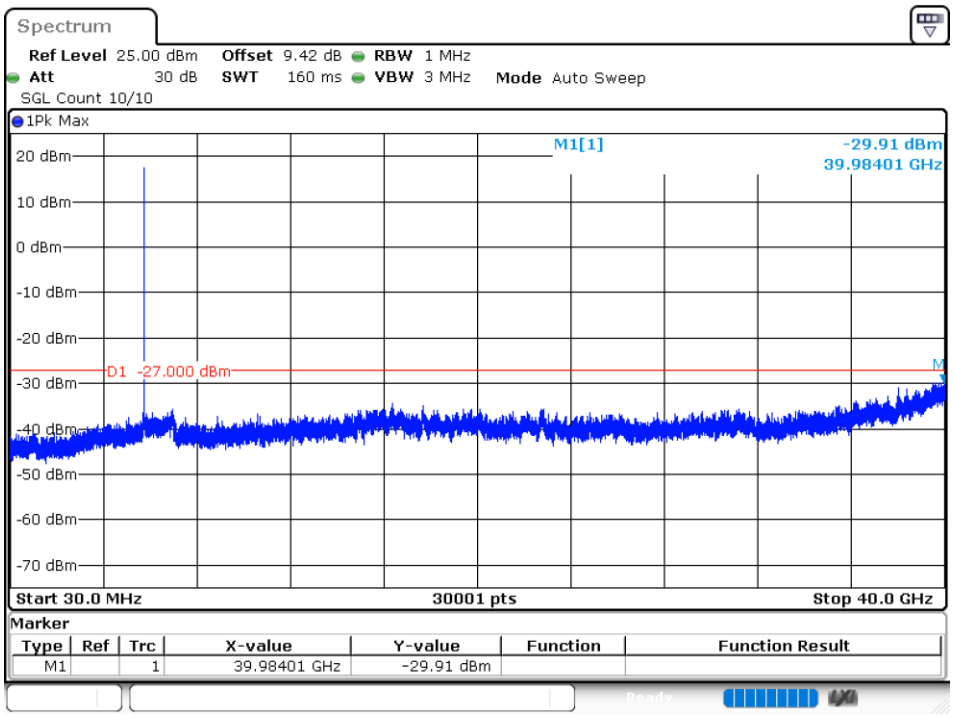


Conducted RF Spurious Emission

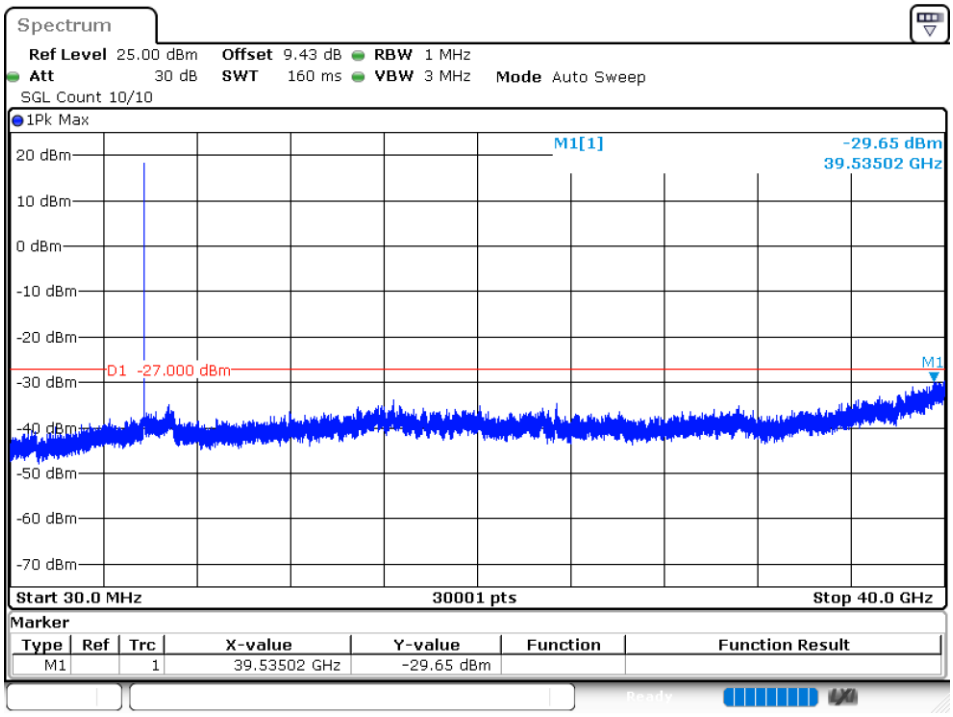
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ac20	5745	Ant1	-29.9	-27	Pass
NVNT	ac20	5745	Ant2	-29.65	-27	Pass
NVNT	ac20	5785	Ant1	-28.66	-27	Pass
NVNT	ac20	5785	Ant2	-29.74	-27	Pass
NVNT	ac20	5825	Ant1	-28.65	-27	Pass
NVNT	ac20	5825	Ant2	-28.95	-27	Pass
NVNT	ac40	5755	Ant1	-28.91	-27	Pass
NVNT	ac40	5755	Ant2	-29.75	-27	Pass
NVNT	ac40	5795	Ant1	-28.84	-27	Pass
NVNT	ac40	5795	Ant2	-28.46	-27	Pass
NVNT	ac80	5775	Ant1	-29.67	-27	Pass
NVNT	ac80	5775	Ant2	-29.98	-27	Pass
NVNT	ax20	5745	Ant1	-29.49	-27	Pass
NVNT	ax20	5745	Ant2	-29.03	-27	Pass
NVNT	ax20	5785	Ant1	-29.3	-27	Pass
NVNT	ax20	5785	Ant2	-29.23	-27	Pass
NVNT	ax20	5825	Ant1	-29.97	-27	Pass
NVNT	ax20	5825	Ant2	-29.18	-27	Pass
NVNT	ax40	5755	Ant1	-29.53	-27	Pass
NVNT	ax40	5755	Ant2	-29.6	-27	Pass
NVNT	ax40	5795	Ant1	-28.5	-27	Pass
NVNT	ax40	5795	Ant2	-28.84	-27	Pass
NVNT	ax80	5775	Ant1	-29.27	-27	Pass
NVNT	ax80	5775	Ant2	-28.91	-27	Pass
NVNT	n20	5745	Ant1	-29.03	-27	Pass
NVNT	n20	5745	Ant2	-29.04	-27	Pass
NVNT	n20	5785	Ant1	-28.76	-27	Pass
NVNT	n20	5785	Ant2	-29.36	-27	Pass
NVNT	n20	5825	Ant1	-29.7	-27	Pass
NVNT	n20	5825	Ant2	-29.41	-27	Pass
NVNT	n40	5755	Ant1	-29.36	-27	Pass
NVNT	n40	5755	Ant2	-29.34	-27	Pass
NVNT	n40	5795	Ant1	-29.55	-27	Pass
NVNT	n40	5795	Ant2	-29.9	-27	Pass

Test Graphs

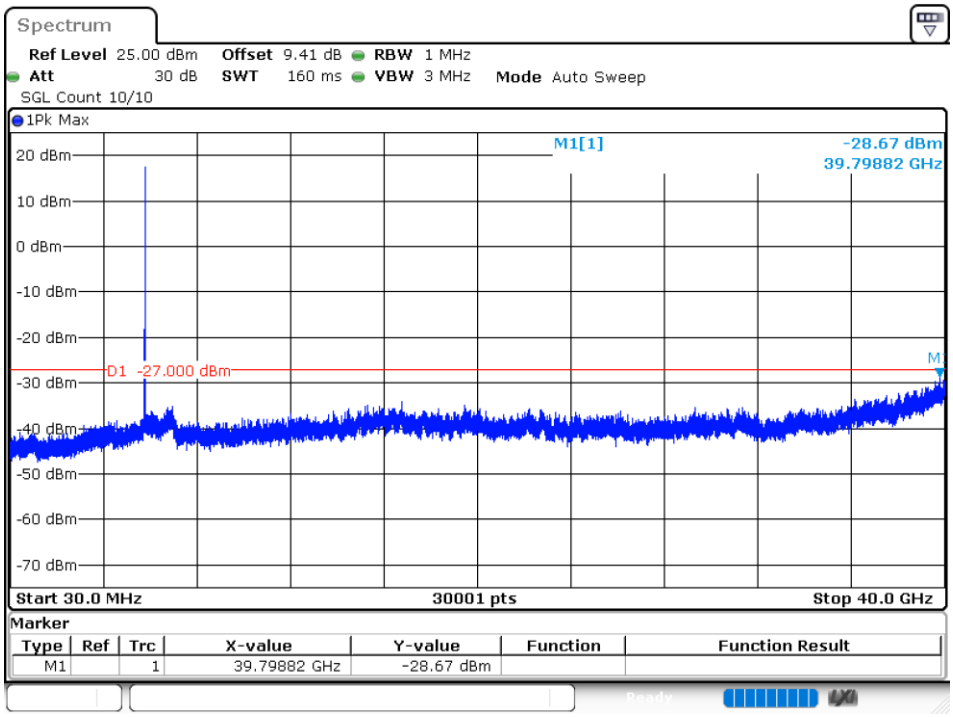
Tx. Spurious NVNT ac20 5745MHz Ant1 Emission



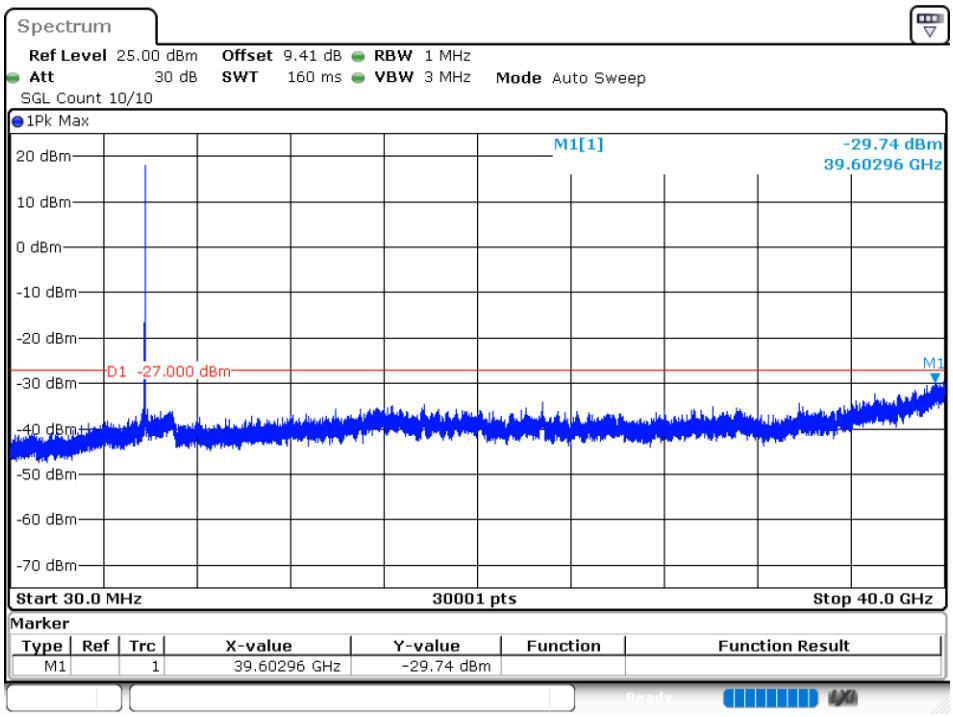
Tx. Spurious NVNT ac20 5745MHz Ant2 Emission



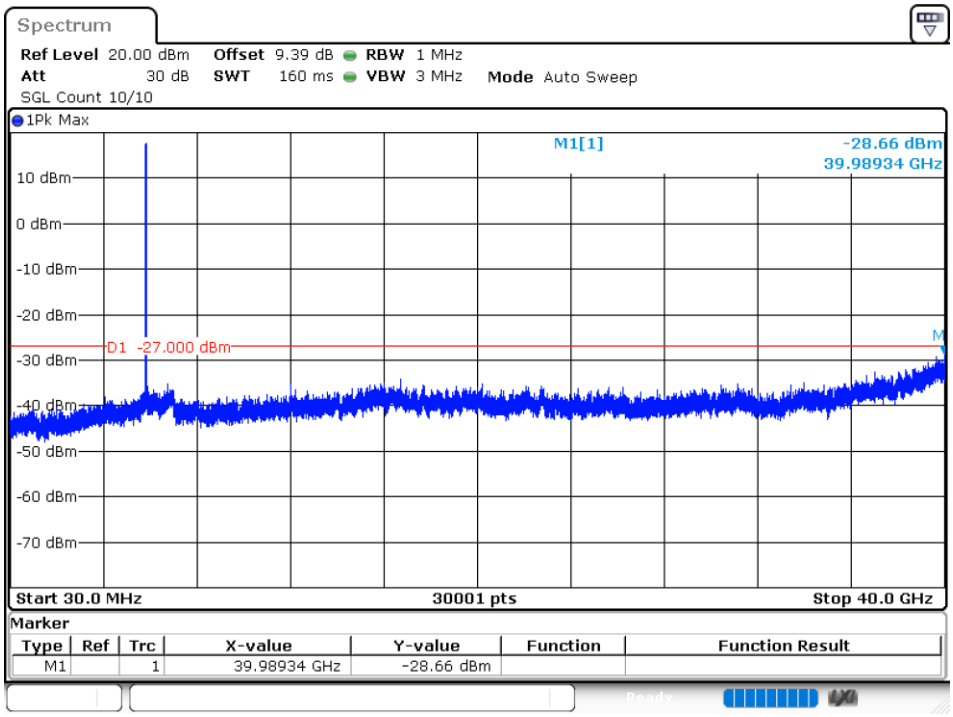
Tx. Spurious NVNT ac20 5785MHz Ant1 Emission



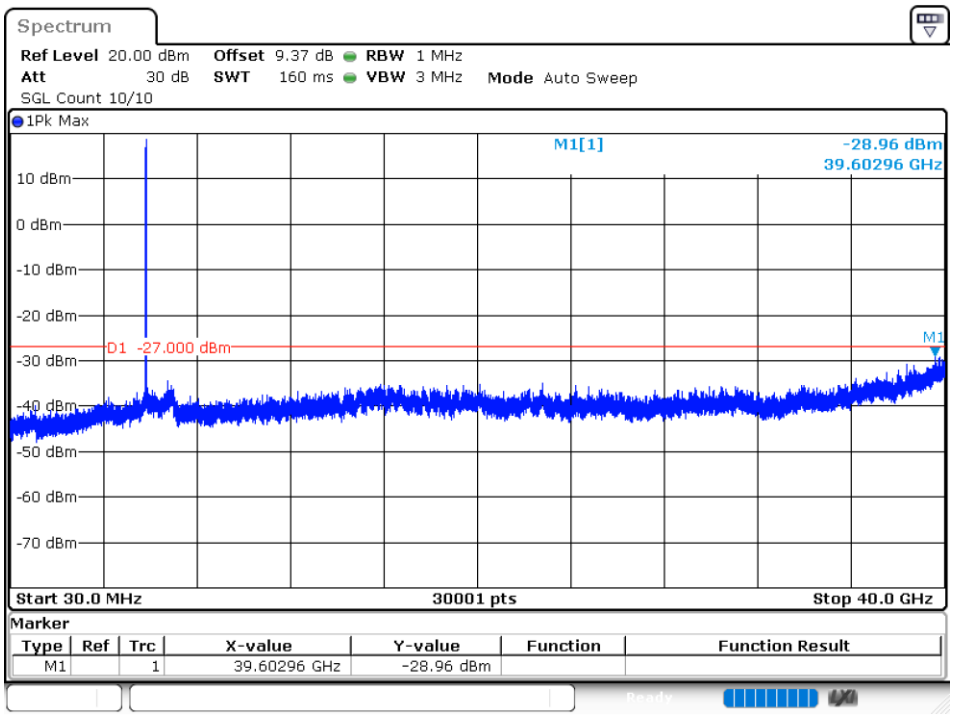
Tx. Spurious NVNT ac20 5785MHz Ant2 Emission



Tx. Spurious NVNT ac20 5825MHz Ant1 Emission



Tx. Spurious NVNT ac20 5825MHz Ant2 Emission



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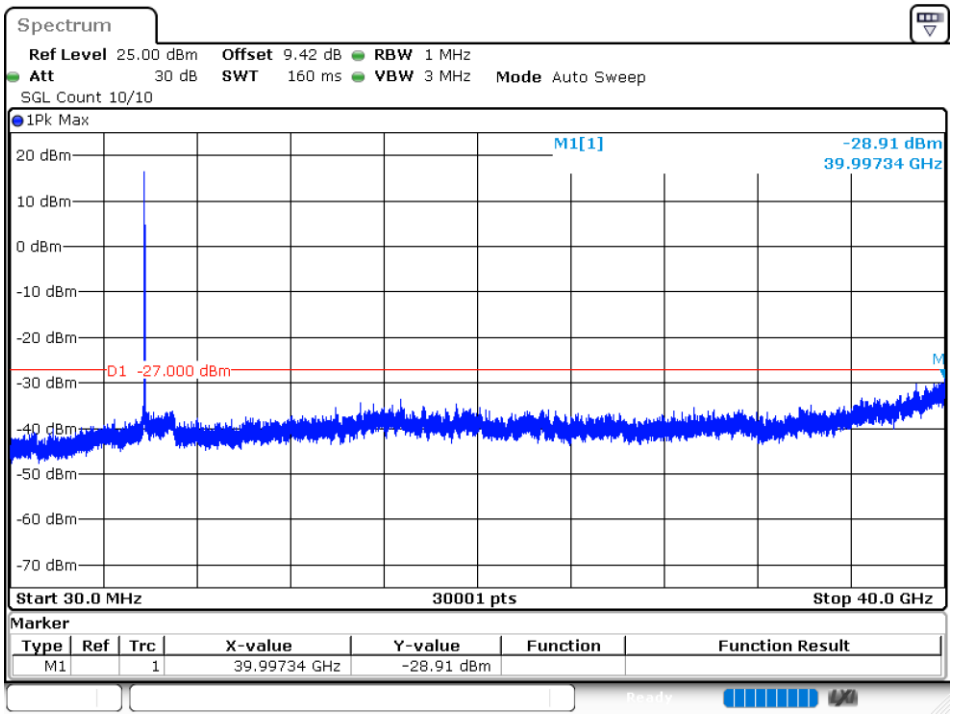
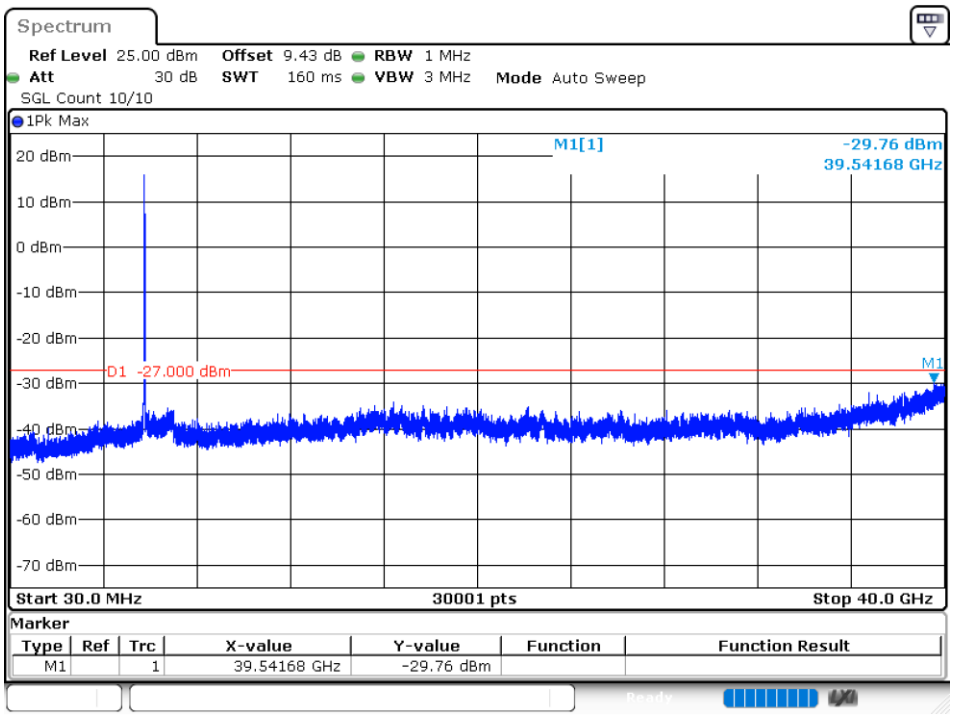


Tx. Spurious NVNT ac40 5755MHz Ant2 Emission



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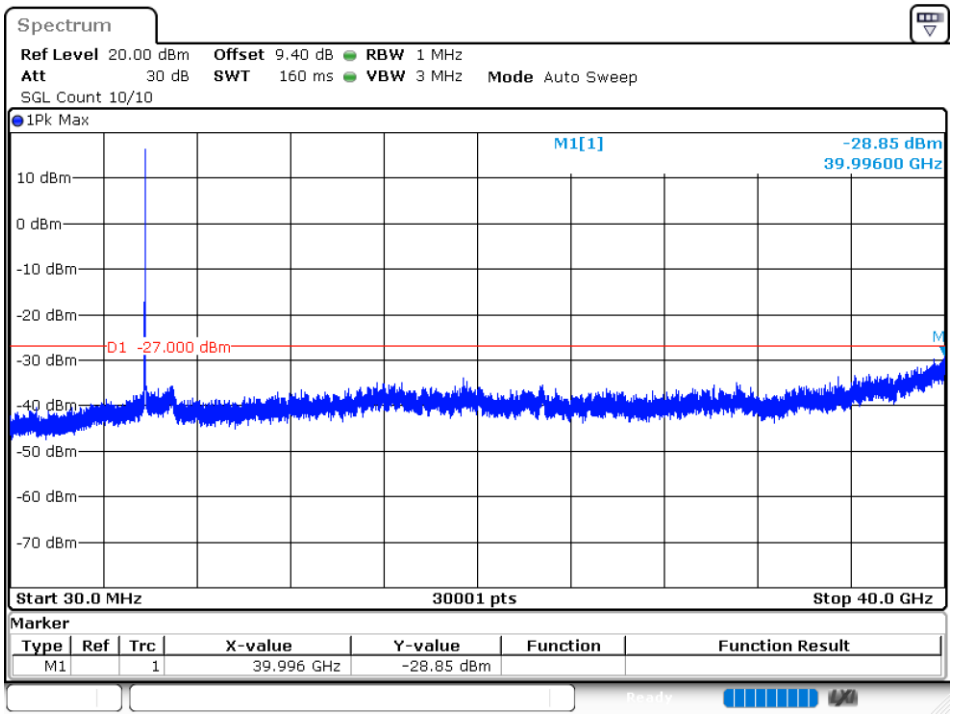
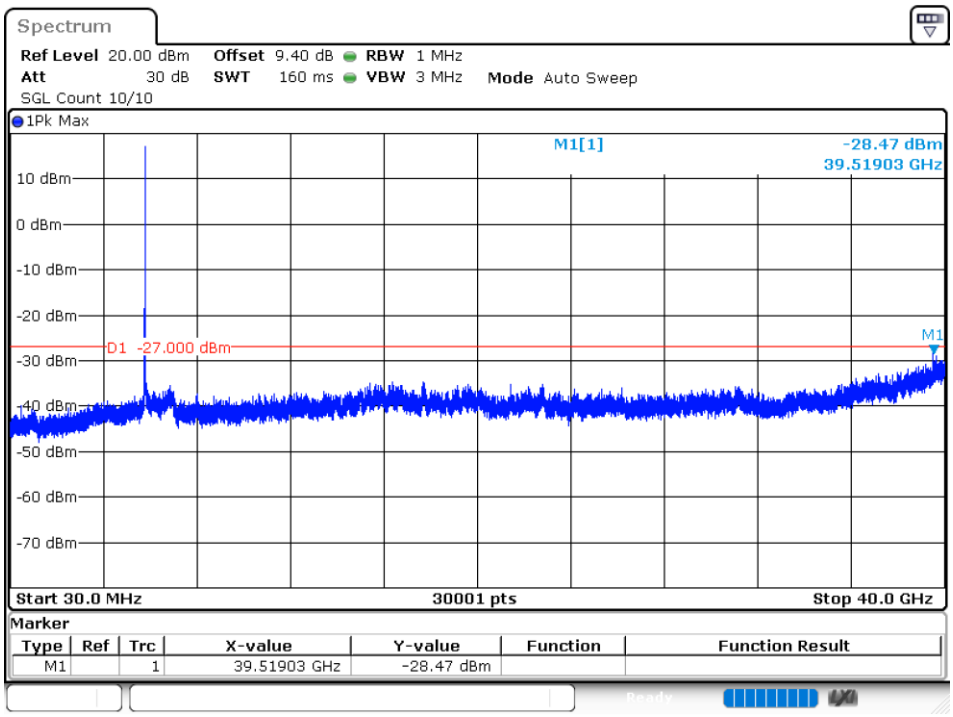
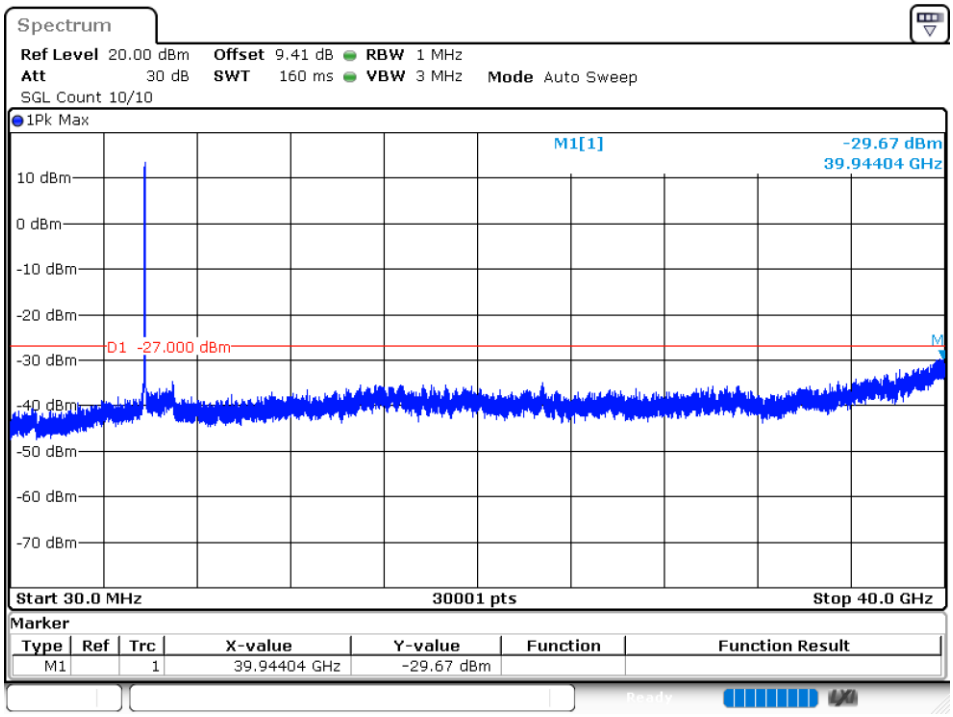


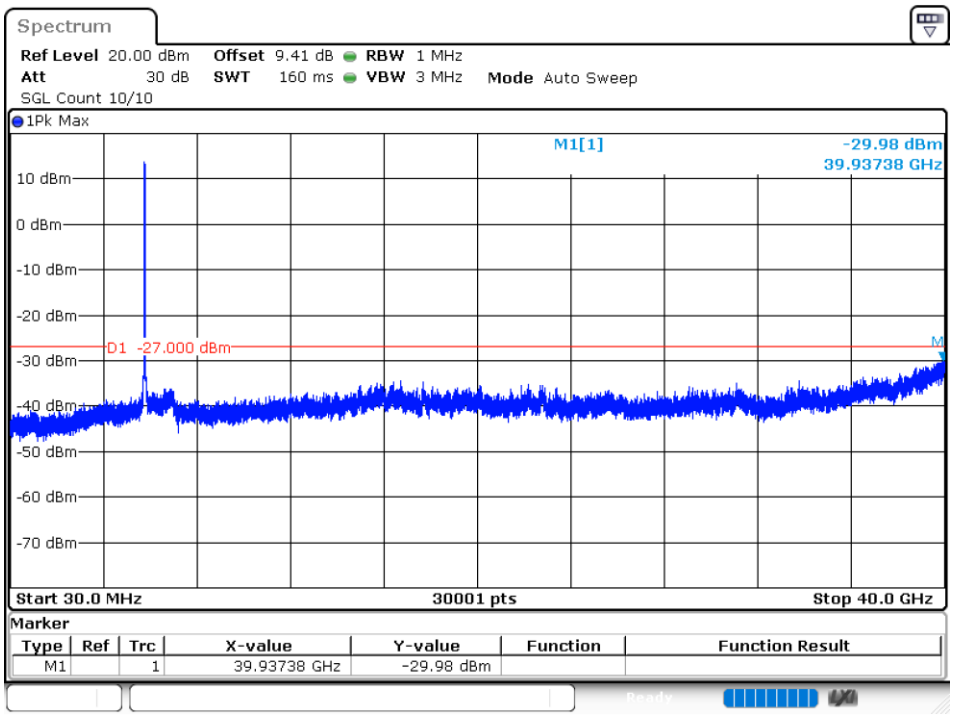
Tx. Spurious NVNT ac40 5795MHz Ant2 Emission



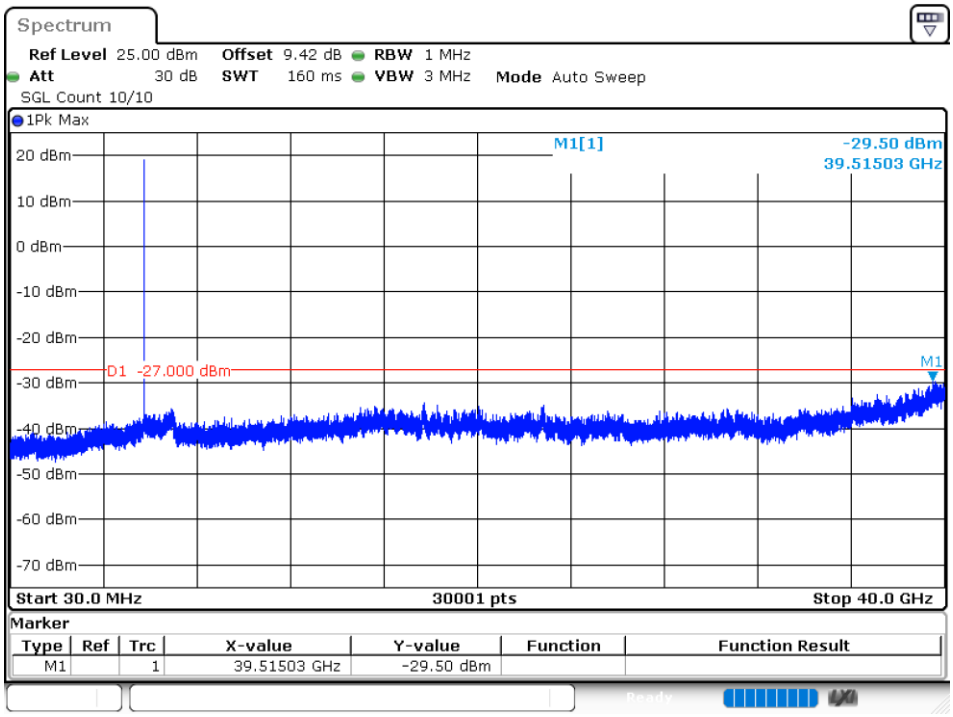
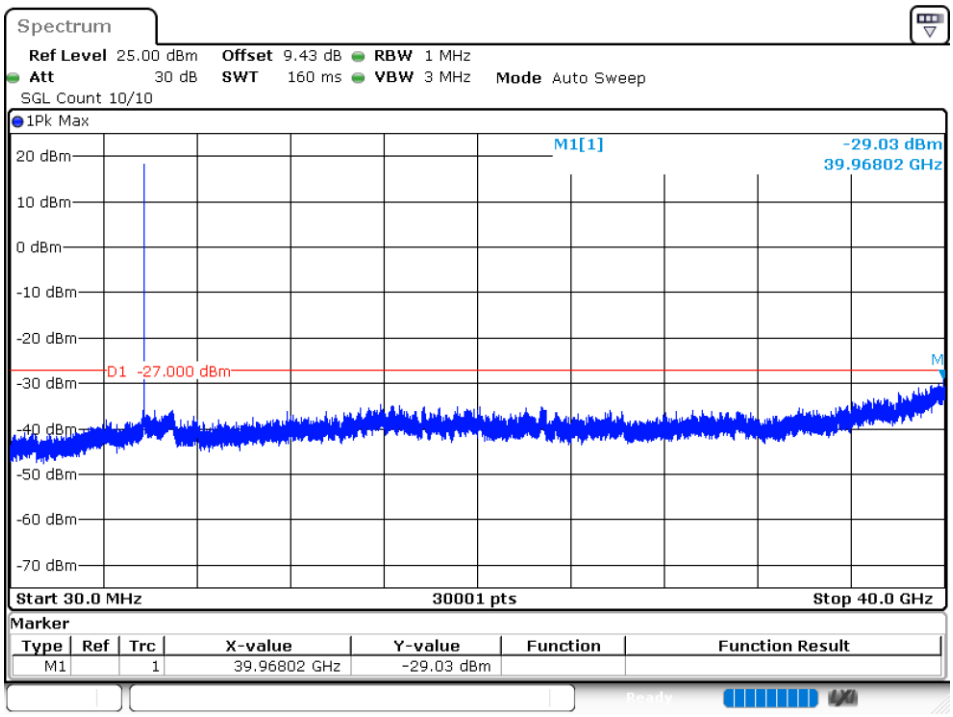
Tx. Spurious NVNT ac80 5775MHz Ant1 Emission



Tx. Spurious NVNT ac80 5775MHz Ant2 Emission



Tx. Spurious NVNT ax20 5745MHz Ant1 Emission



Tx. Spurious NVNT ax20 5745MHz Ant2 Emission