

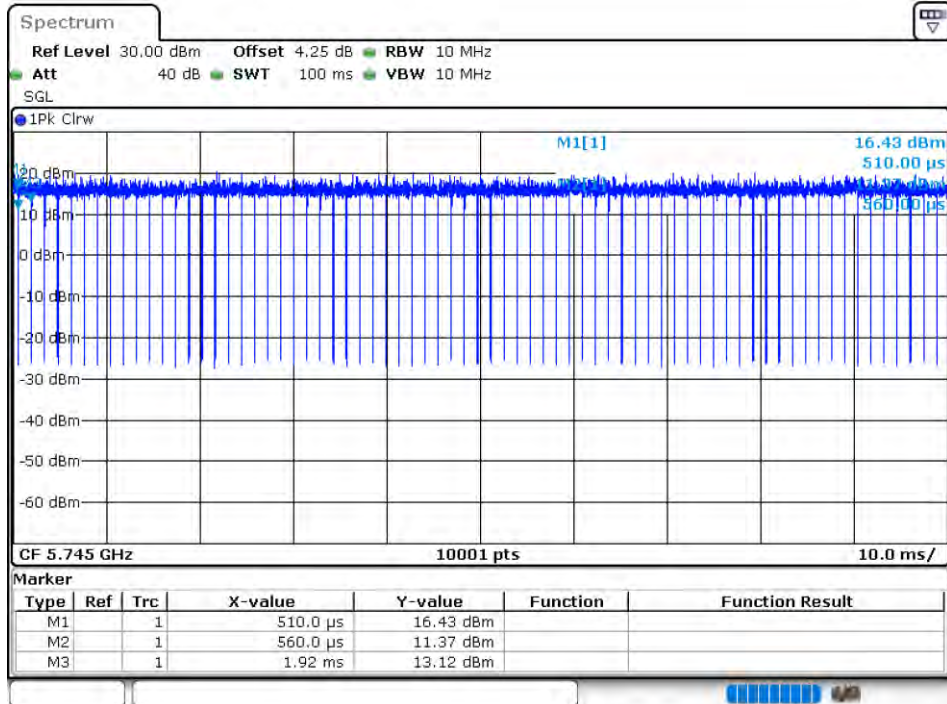
5.8G:

Duty Cycle

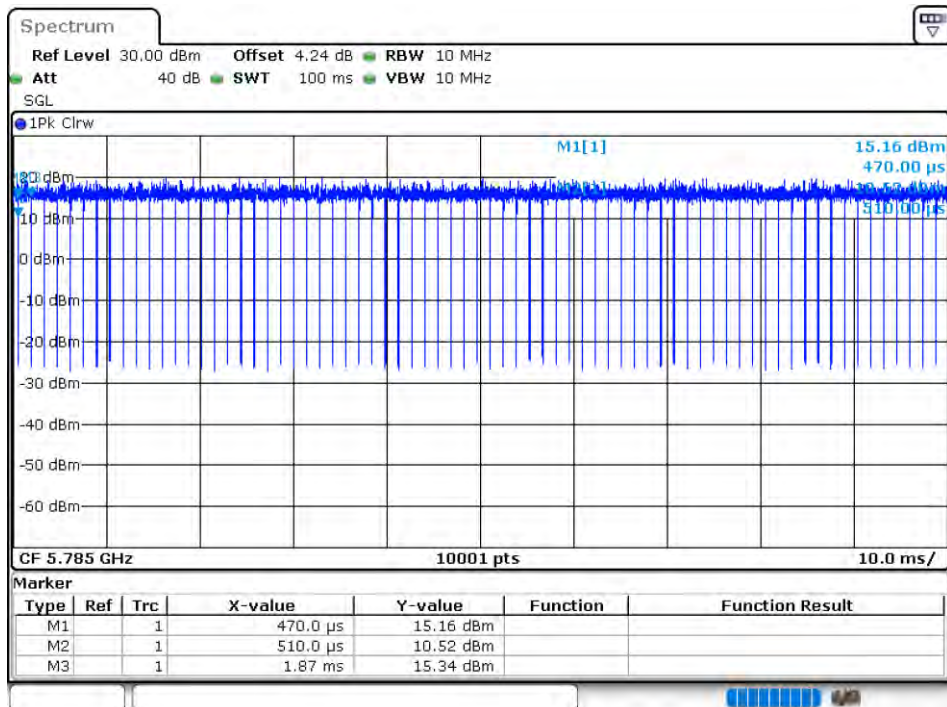
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	97.58	0.11	0.74
NVNT	a	5785	Ant1	97.58	0.11	0.74
NVNT	a	5825	Ant1	97.59	0.11	0.74
NVNT	a	5745	Ant2	97.54	0.11	0.74
NVNT	a	5785	Ant2	97.57	0.11	0.74
NVNT	a	5825	Ant2	97.56	0.11	0.74
NVNT	n20	5745	Ant1	97.41	0.11	0.79
NVNT	n20	5785	Ant1	97.41	0.11	0.79
NVNT	n20	5825	Ant1	97.41	0.11	0.79
NVNT	n20	5745	Ant2	97.41	0.11	0.78
NVNT	n20	5785	Ant2	97.4	0.11	0.79
NVNT	n20	5825	Ant2	97.39	0.11	0.79
NVNT	n40	5755	Ant1	96.69	0.15	1.59
NVNT	n40	5795	Ant1	96.71	0.15	1.59
NVNT	n40	5755	Ant2	96.7	0.15	1.59
NVNT	n40	5795	Ant2	96.68	0.15	1.56

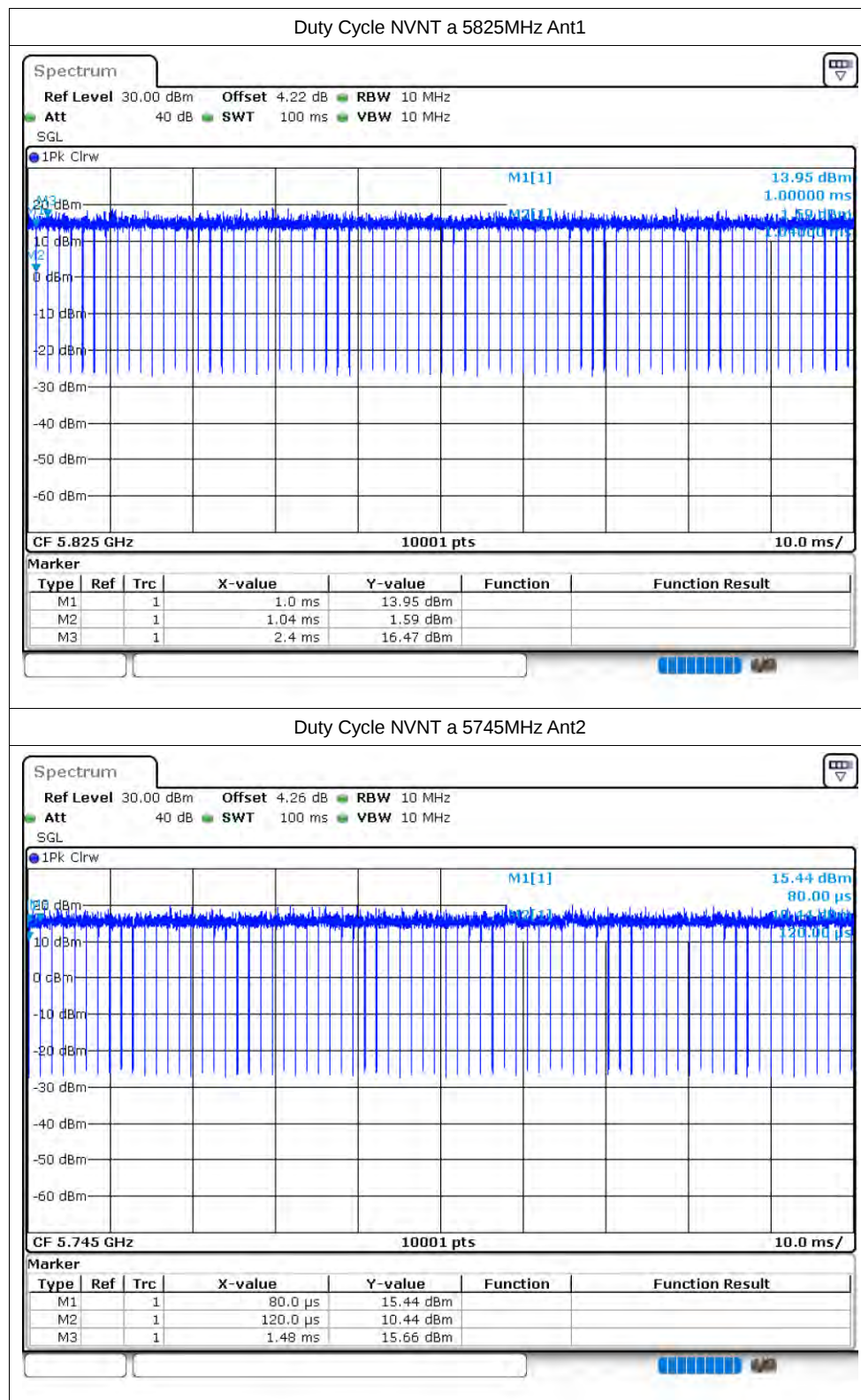
Test Graphs

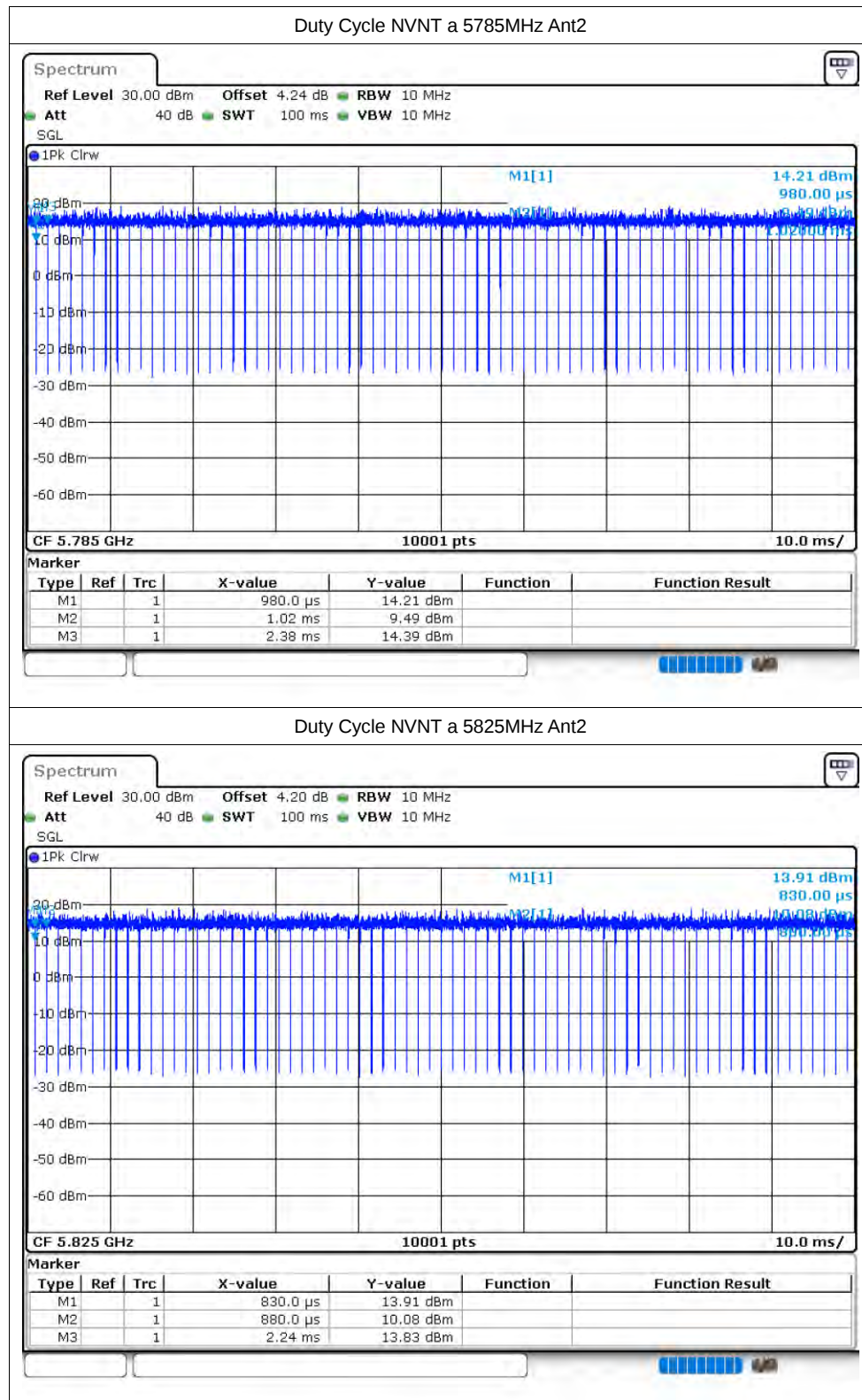
Duty Cycle NVNT a 5745MHz Ant1

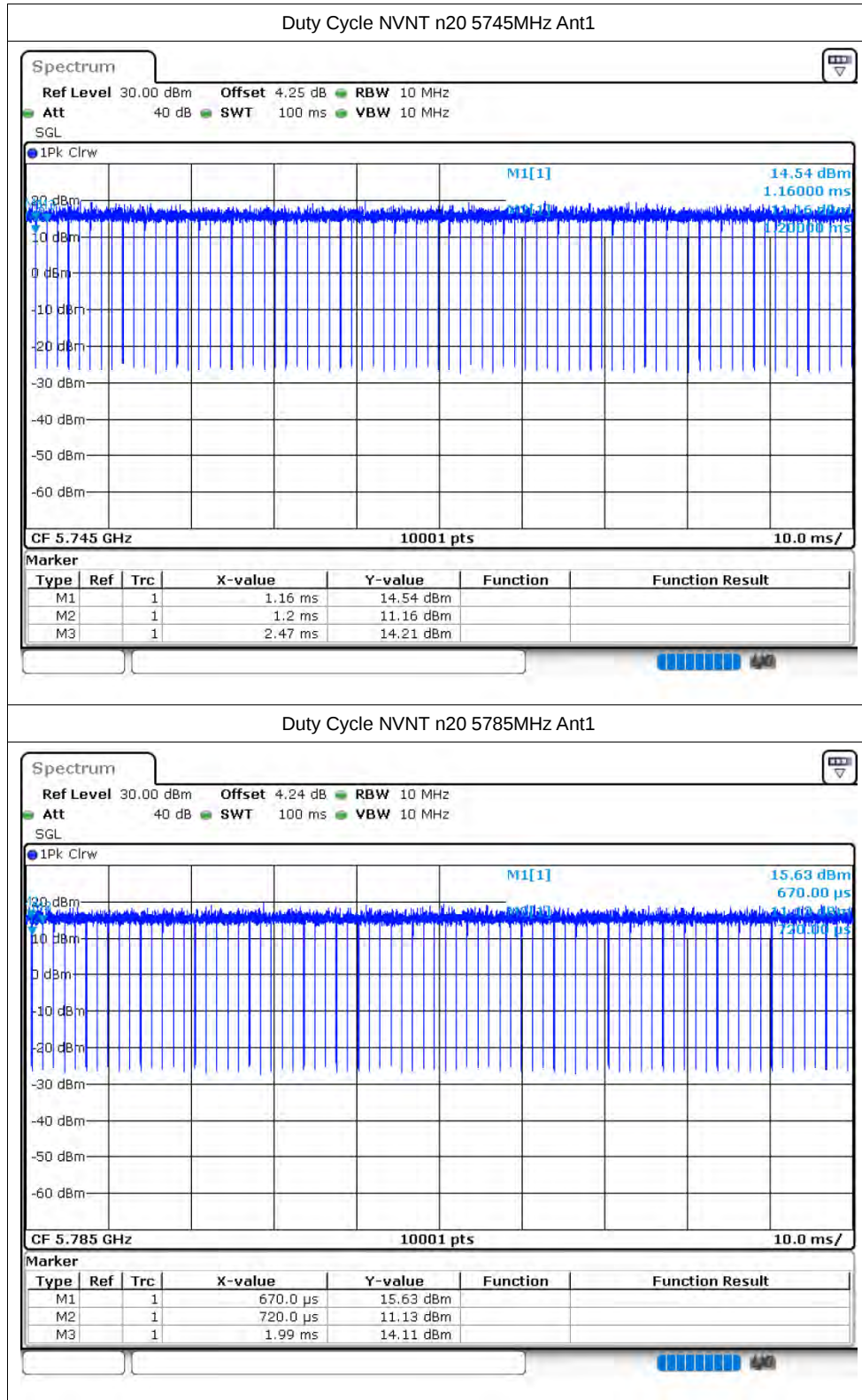


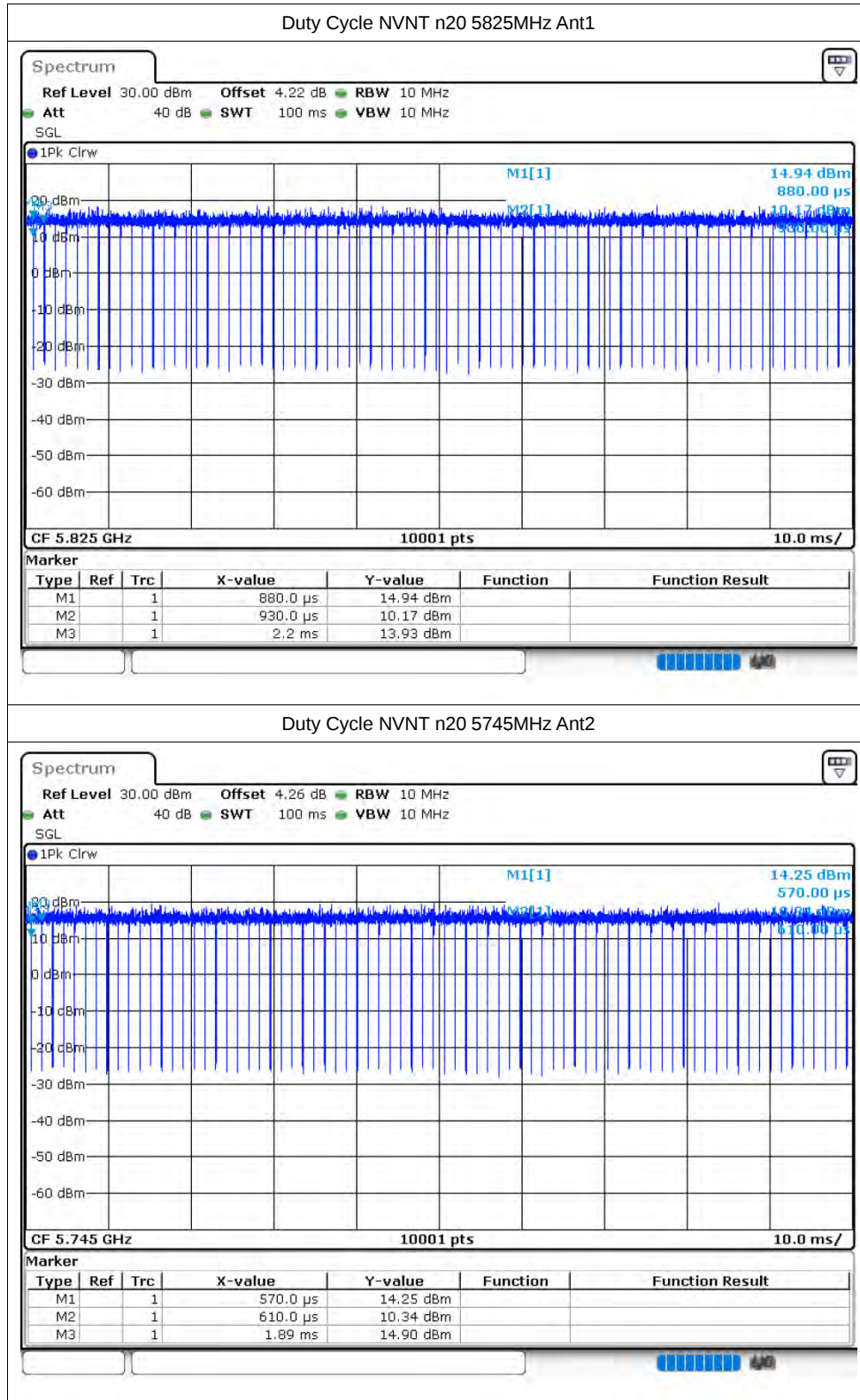
Duty Cycle NVNT a 5785MHz Ant1

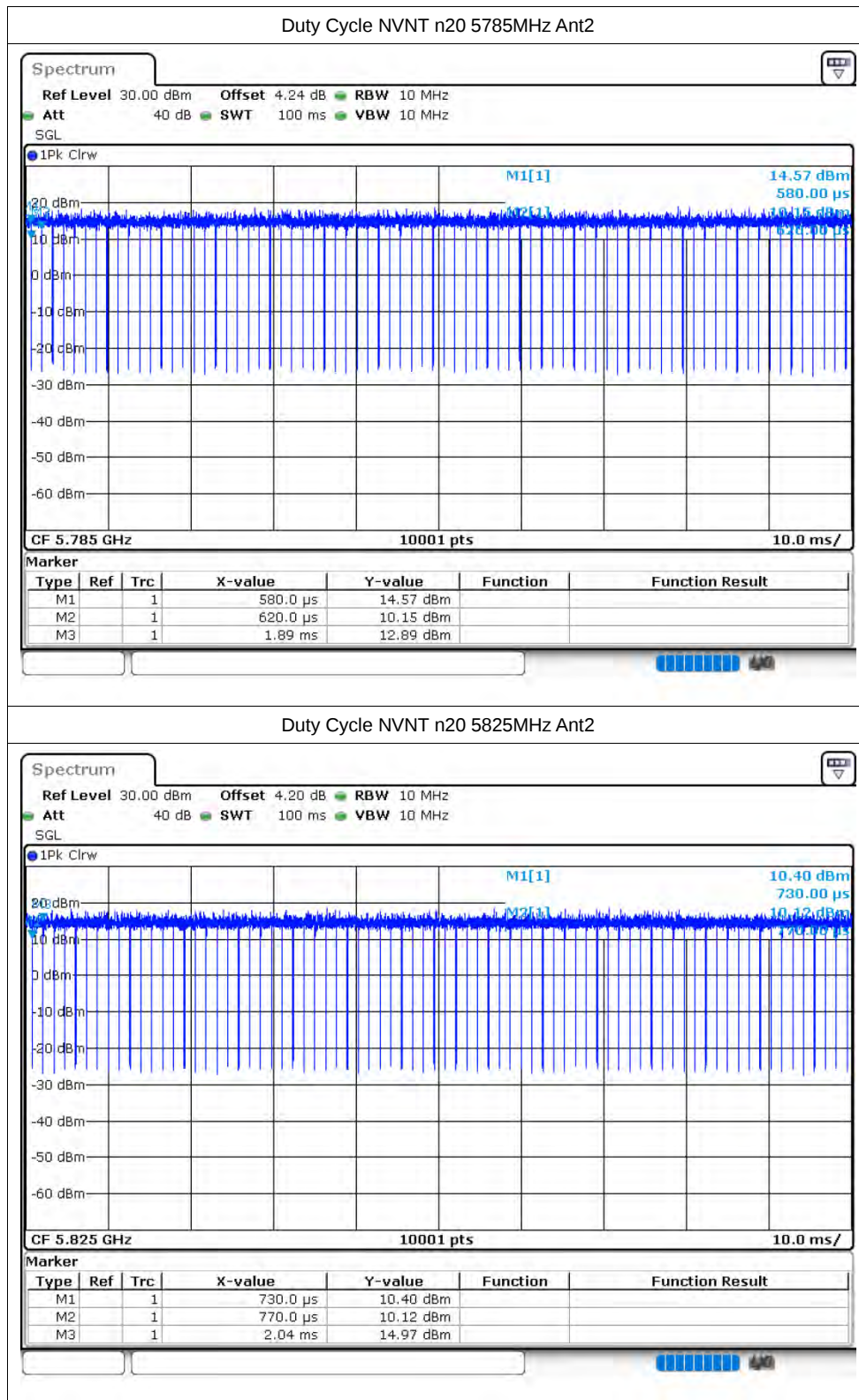


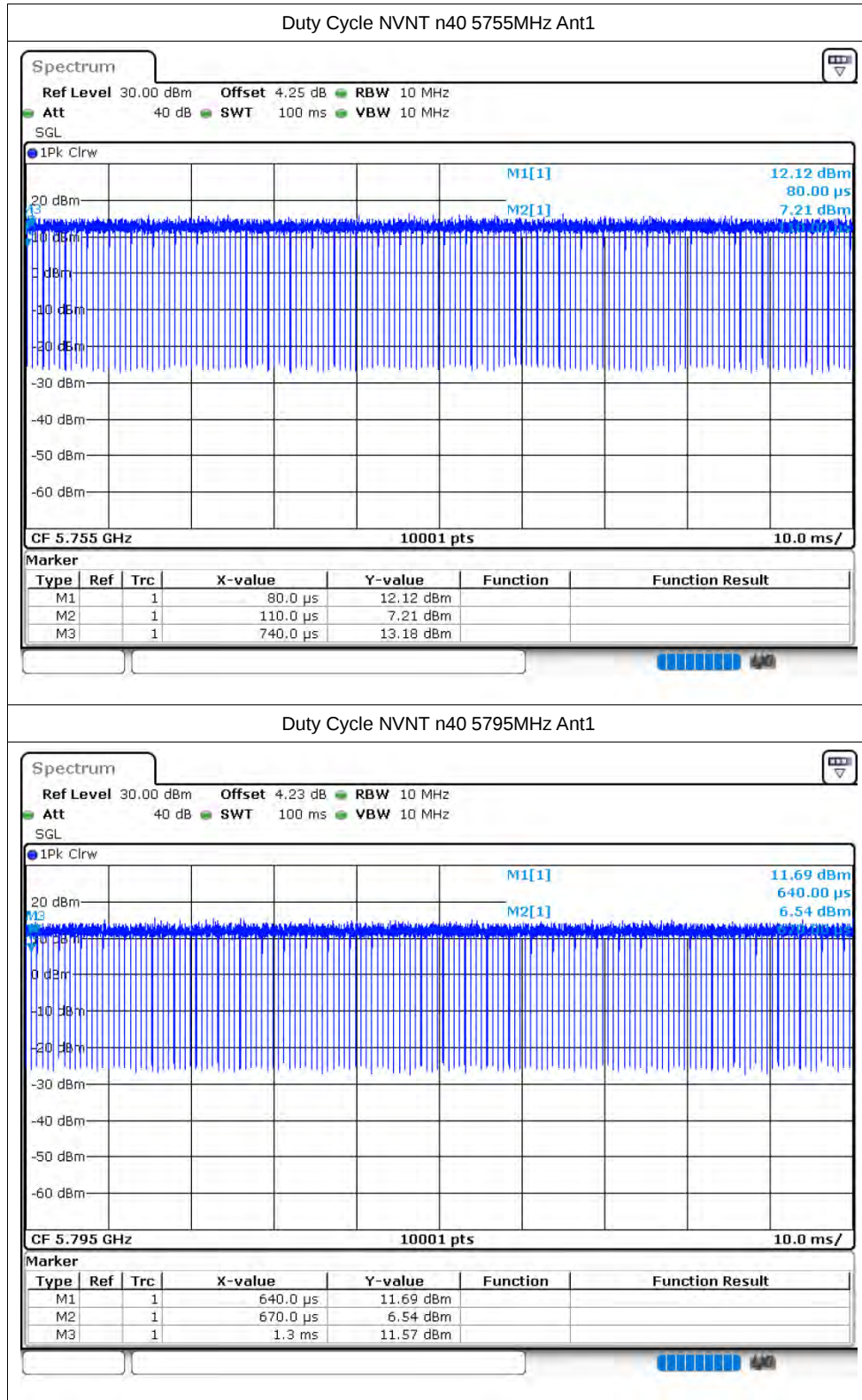


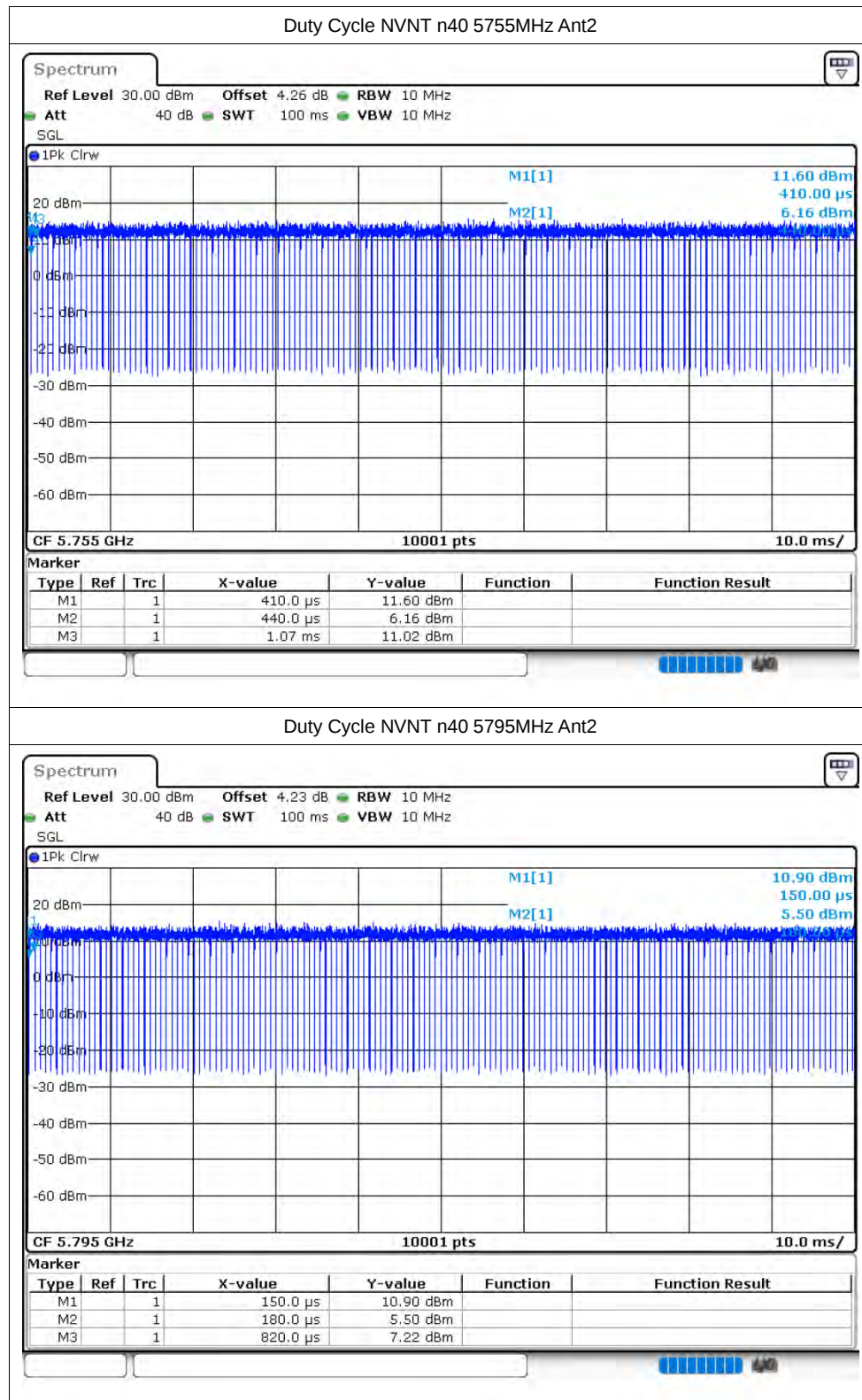












Maximum Conducted Output Power

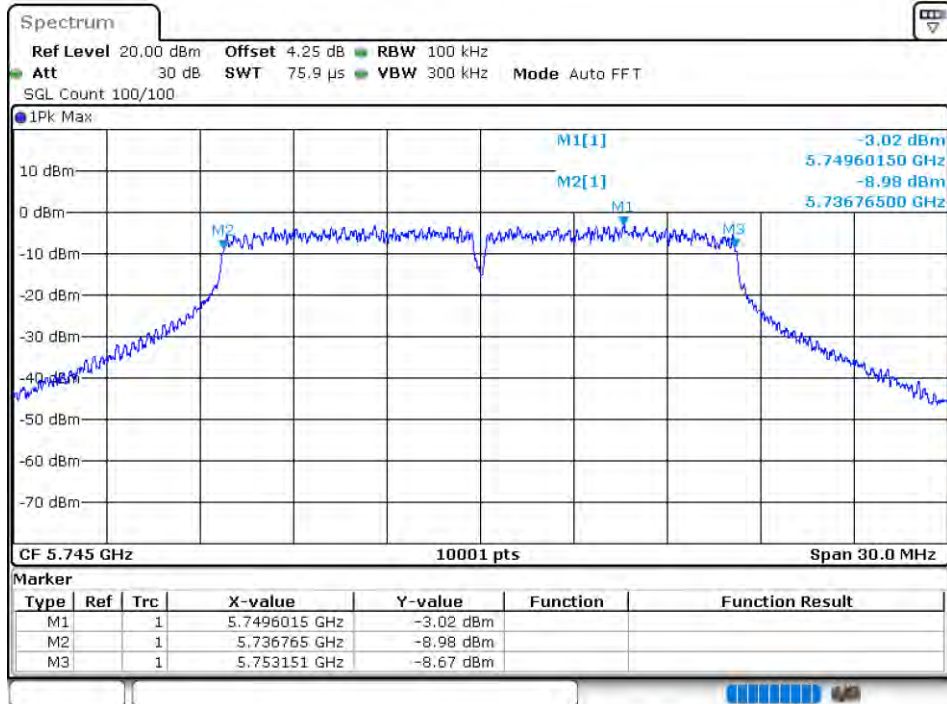
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	12.08	30	Pass
NVNT	a	5785	Ant1	12.03	30	Pass
NVNT	a	5825	Ant1	11.39	30	Pass
NVNT	a	5745	Ant2	12.12	30	Pass
NVNT	a	5785	Ant2	11.81	30	Pass
NVNT	a	5825	Ant2	11.31	30	Pass
NVNT	n20	5745	Ant1	11.88	30	Pass
NVNT	n20	5785	Ant1	11.91	30	Pass
NVNT	n20	5825	Ant1	11.33	30	Pass
NVNT	n20	5745	Ant2	11.84	30	Pass
NVNT	n20	5785	Ant2	11.65	30	Pass
NVNT	n20	5825	Ant2	11.23	30	Pass
NVNT	n40	5755	Ant1	11.66	30	Pass
NVNT	n40	5795	Ant1	11.65	30	Pass
NVNT	n40	5755	Ant2	11.69	30	Pass
NVNT	n40	5795	Ant2	11.46	30	Pass

-6dB Bandwidth

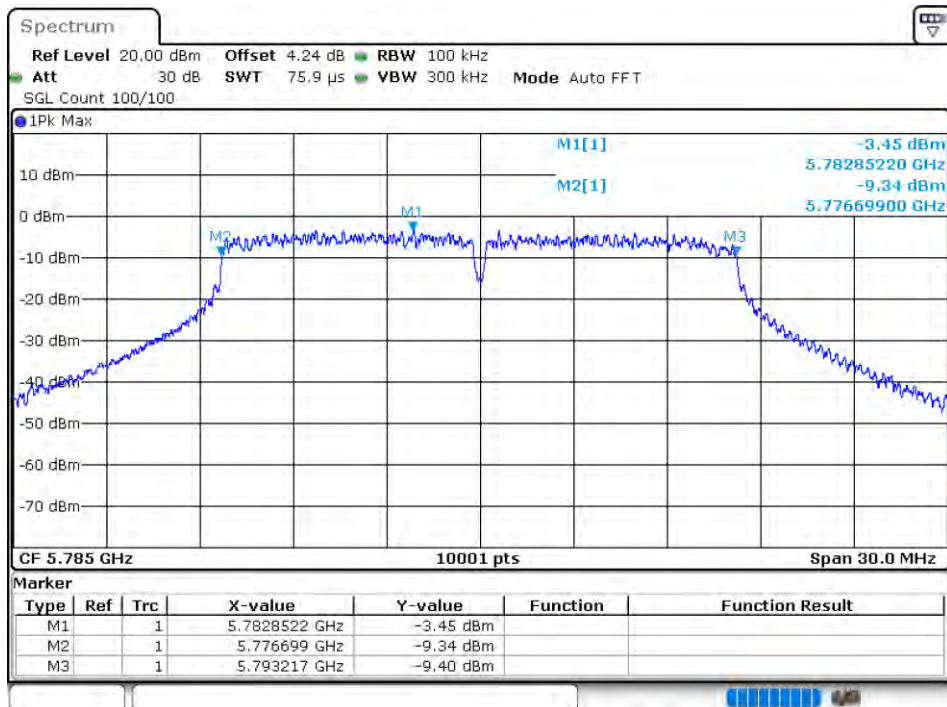
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.386	0.5	Pass
NVNT	a	5785	Ant1	16.518	0.5	Pass
NVNT	a	5825	Ant1	16.344	0.5	Pass
NVNT	a	5745	Ant2	16.494	0.5	Pass
NVNT	a	5785	Ant2	16.353	0.5	Pass
NVNT	a	5825	Ant2	16.494	0.5	Pass
NVNT	n20	5745	Ant1	17.622	0.5	Pass
NVNT	n20	5785	Ant1	17.58	0.5	Pass
NVNT	n20	5825	Ant1	17.181	0.5	Pass
NVNT	n20	5745	Ant2	17.595	0.5	Pass
NVNT	n20	5785	Ant2	17.292	0.5	Pass
NVNT	n20	5825	Ant2	17.562	0.5	Pass
NVNT	n40	5755	Ant1	36.084	0.5	Pass
NVNT	n40	5795	Ant1	35.73	0.5	Pass
NVNT	n40	5755	Ant2	35.67	0.5	Pass
NVNT	n40	5795	Ant2	35.916	0.5	Pass

Test Graphs

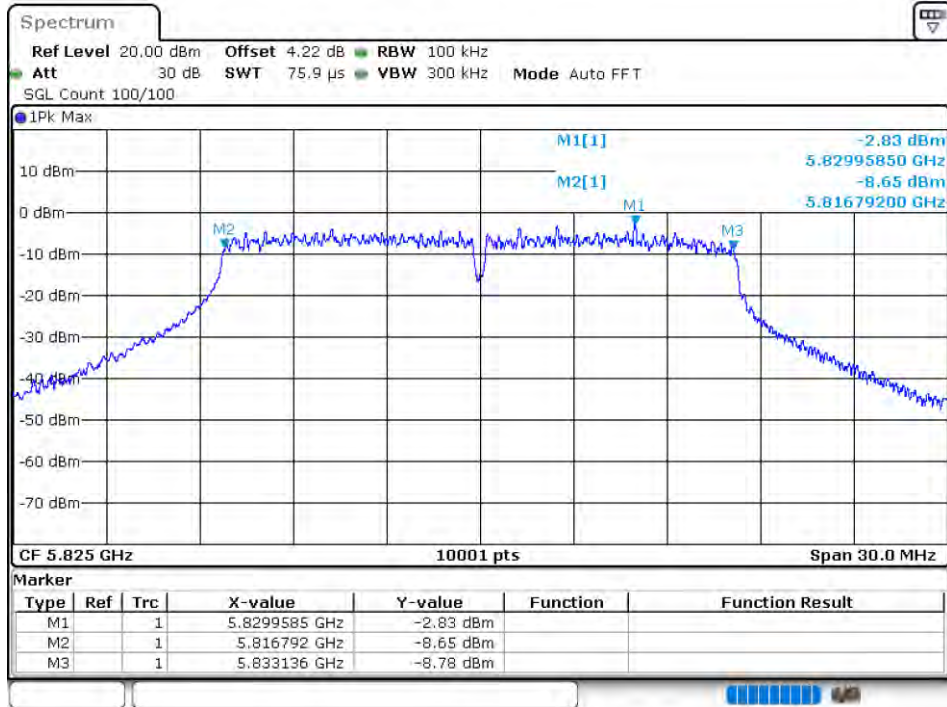
-6dB Bandwidth NVNT a 5745MHz Ant1



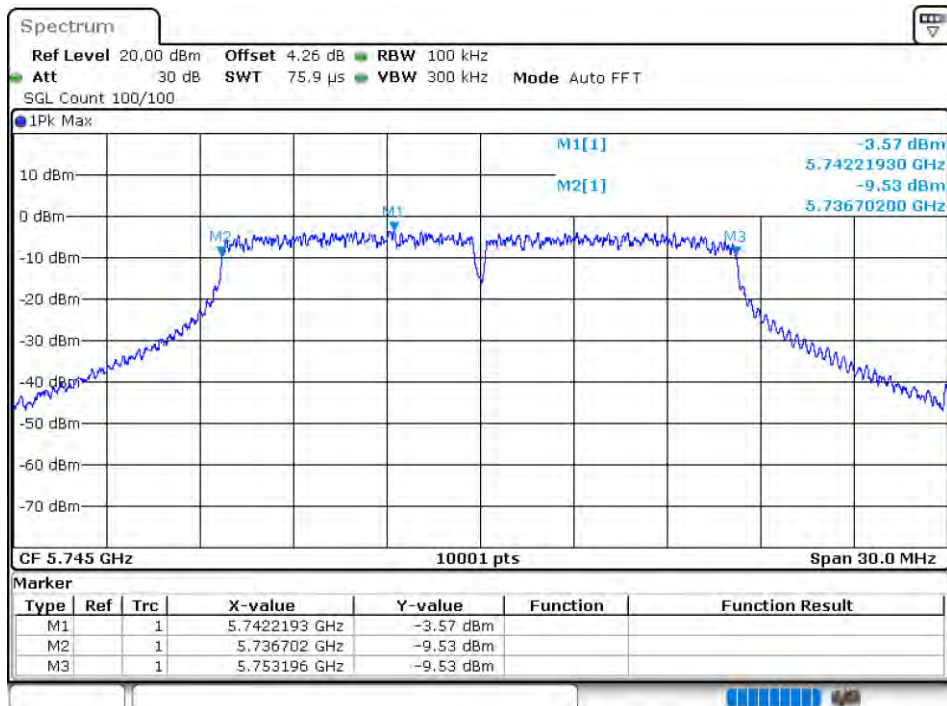
-6dB Bandwidth NVNT a 5785MHz Ant1



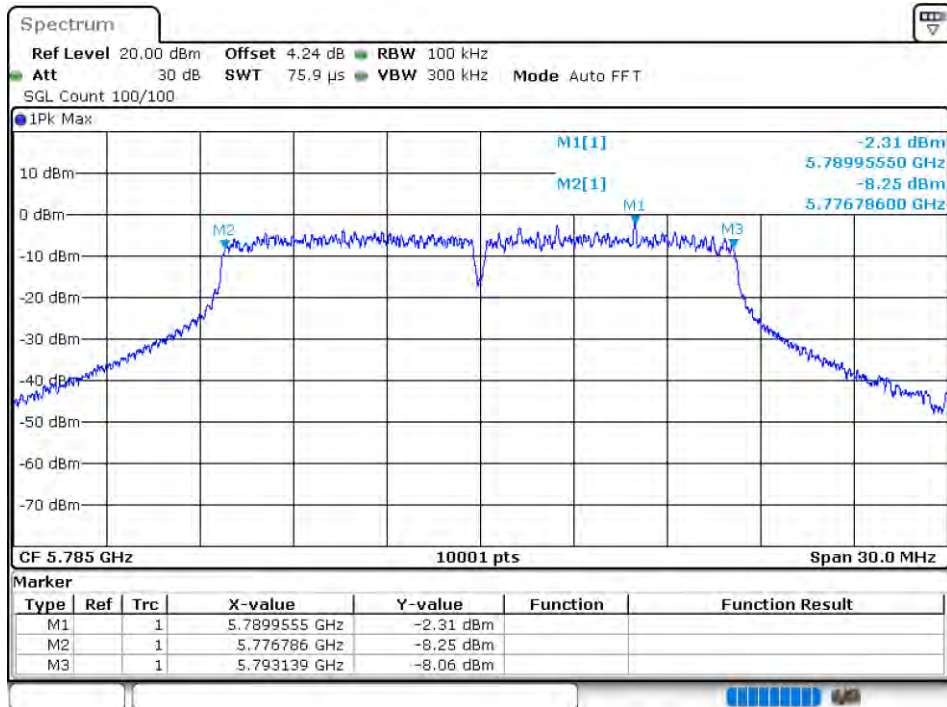
-6dB Bandwidth NVNT a 5825MHz Ant1



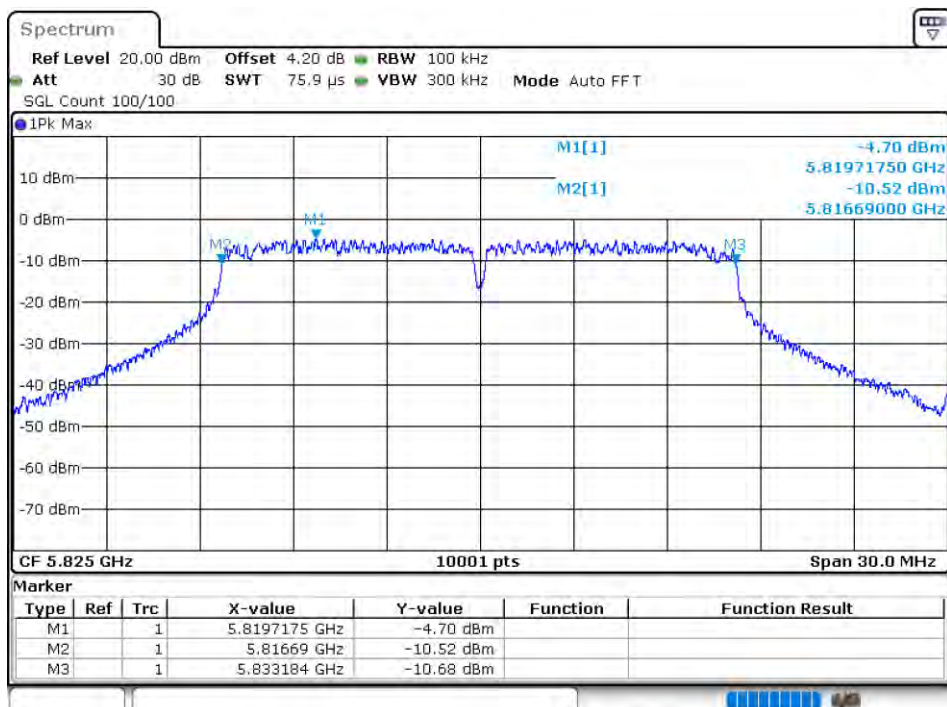
-6dB Bandwidth NVNT a 5745MHz Ant2

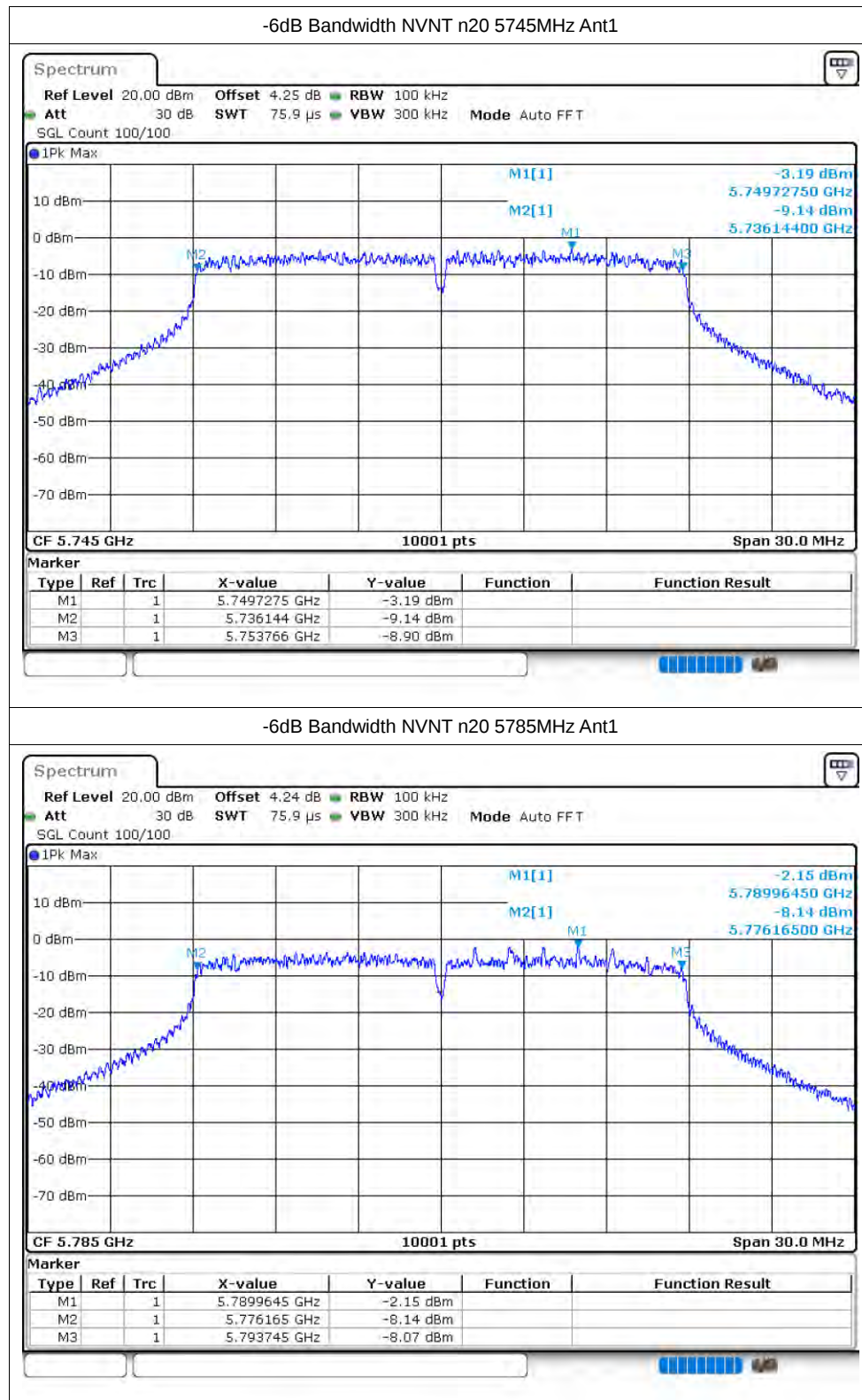


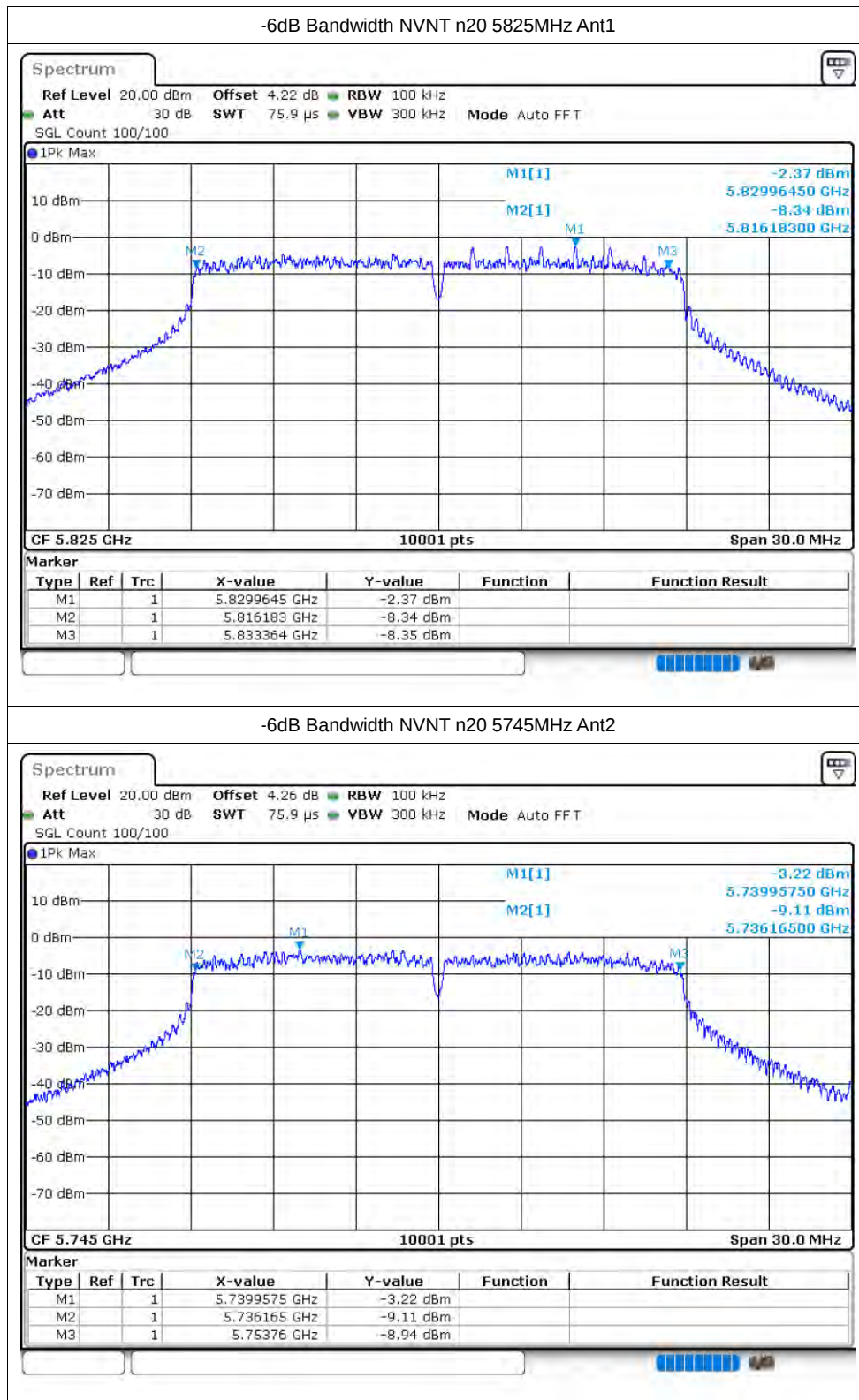
-6dB Bandwidth NVNT a 5785MHz Ant2

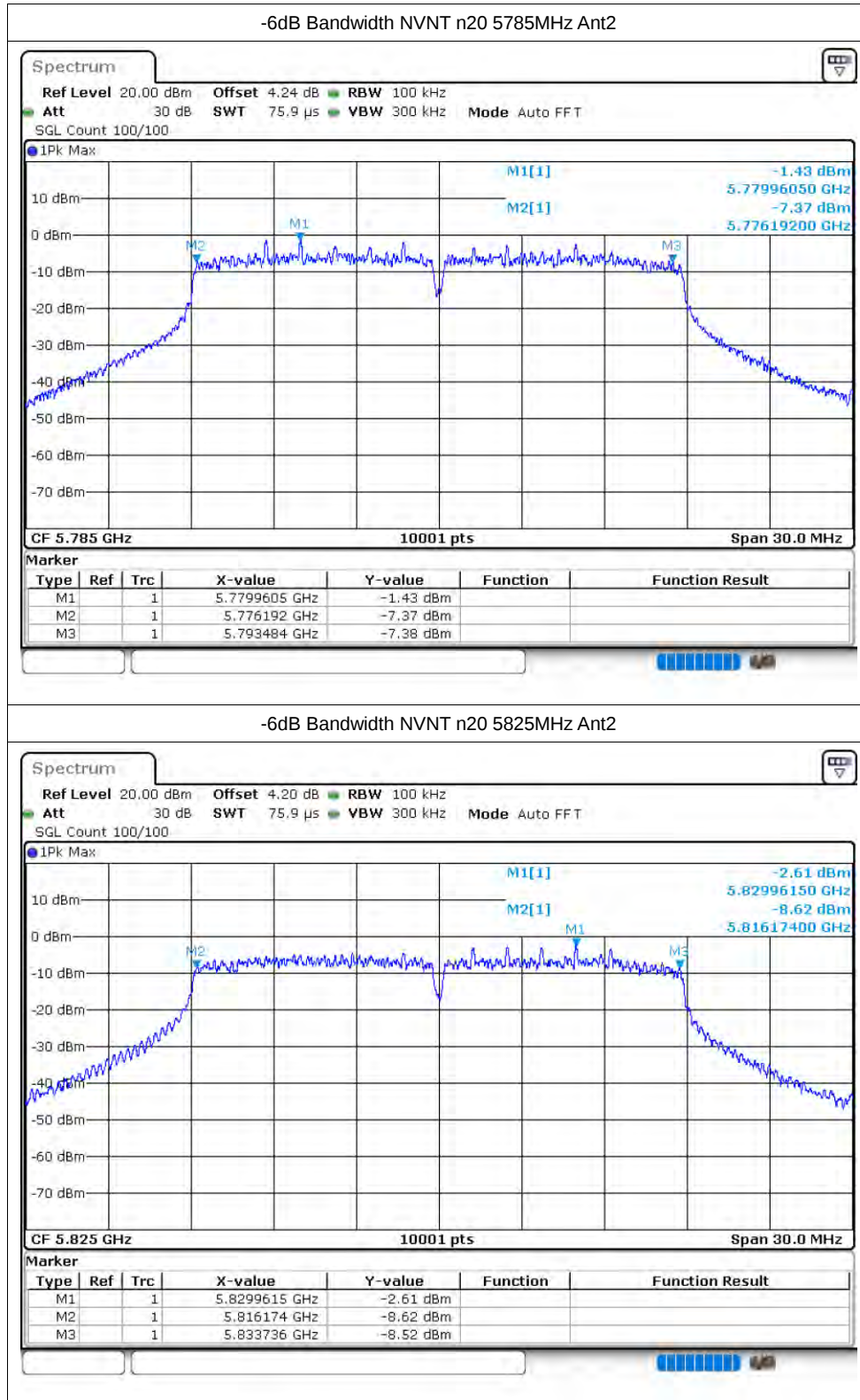


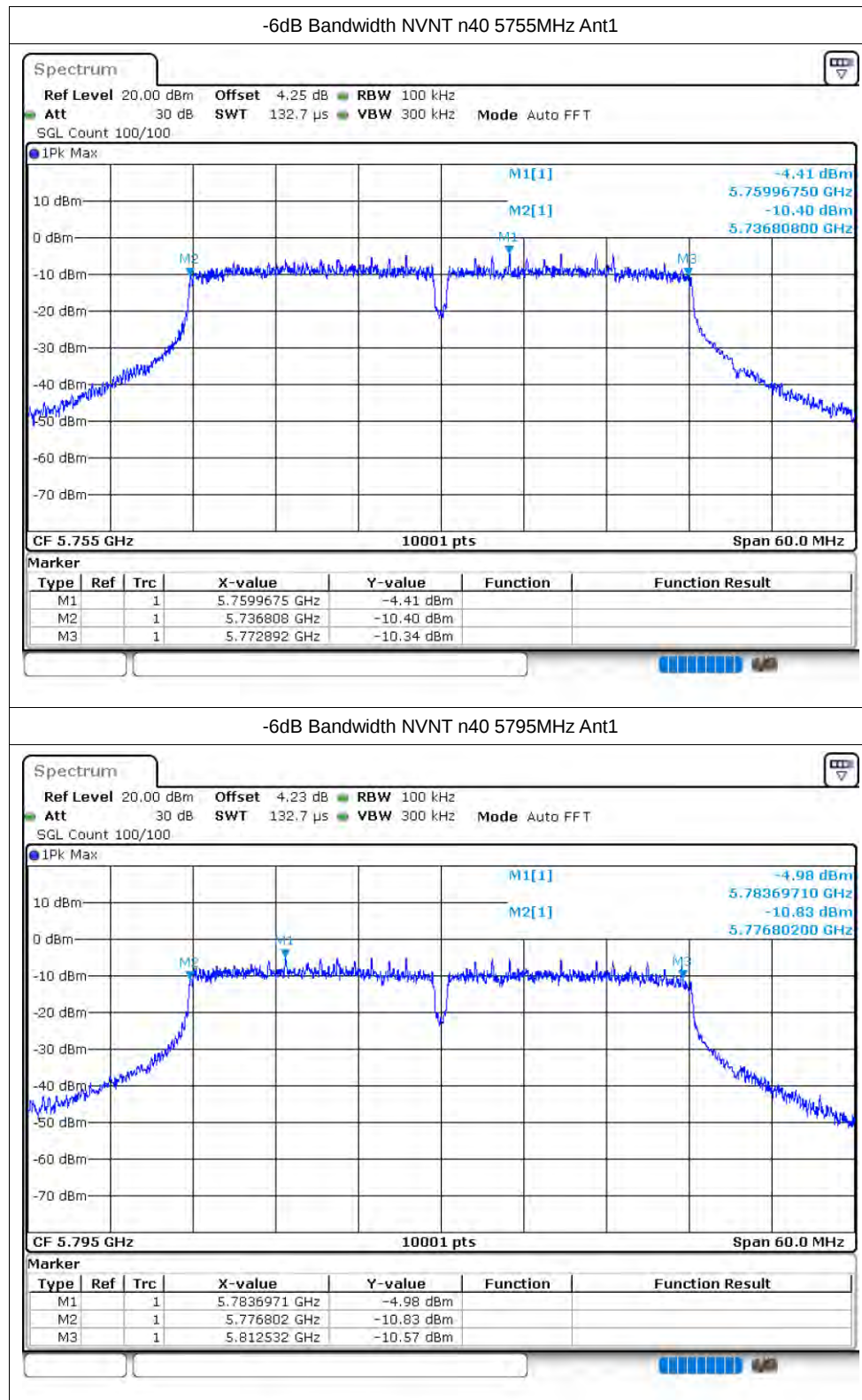
-6dB Bandwidth NVNT a 5825MHz Ant2

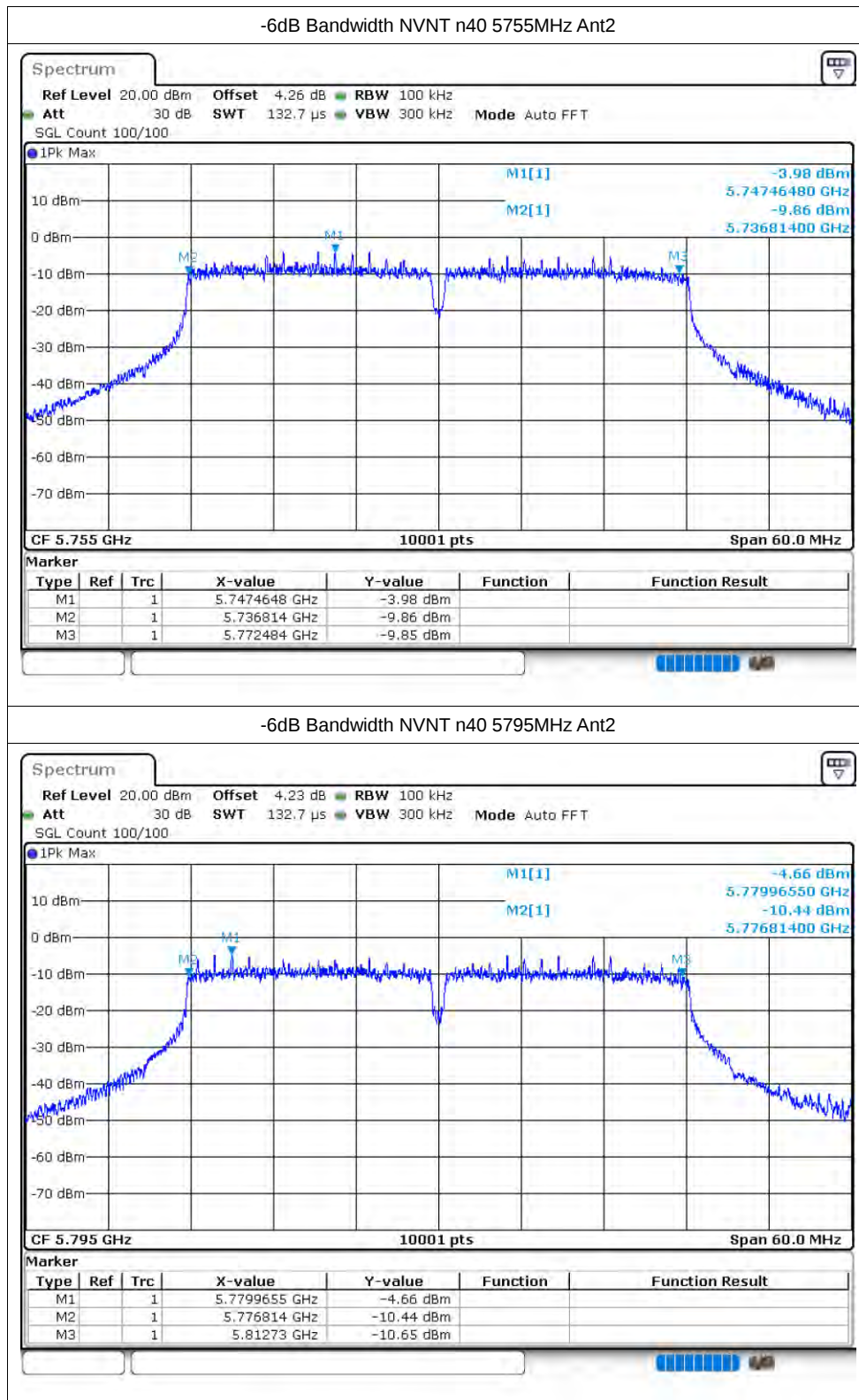










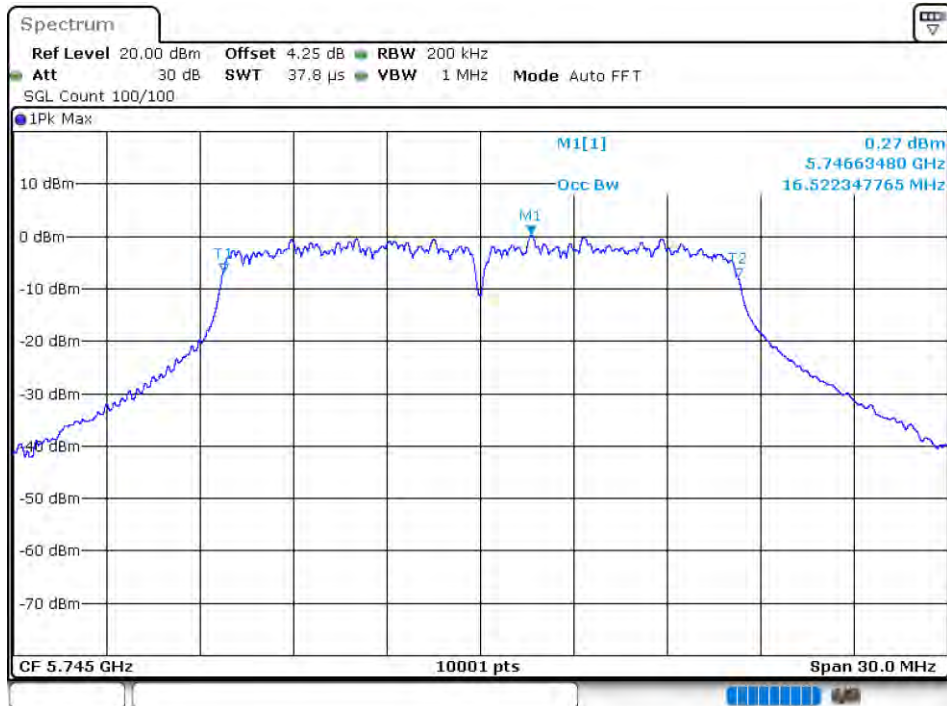


Occupied Channel Bandwidth

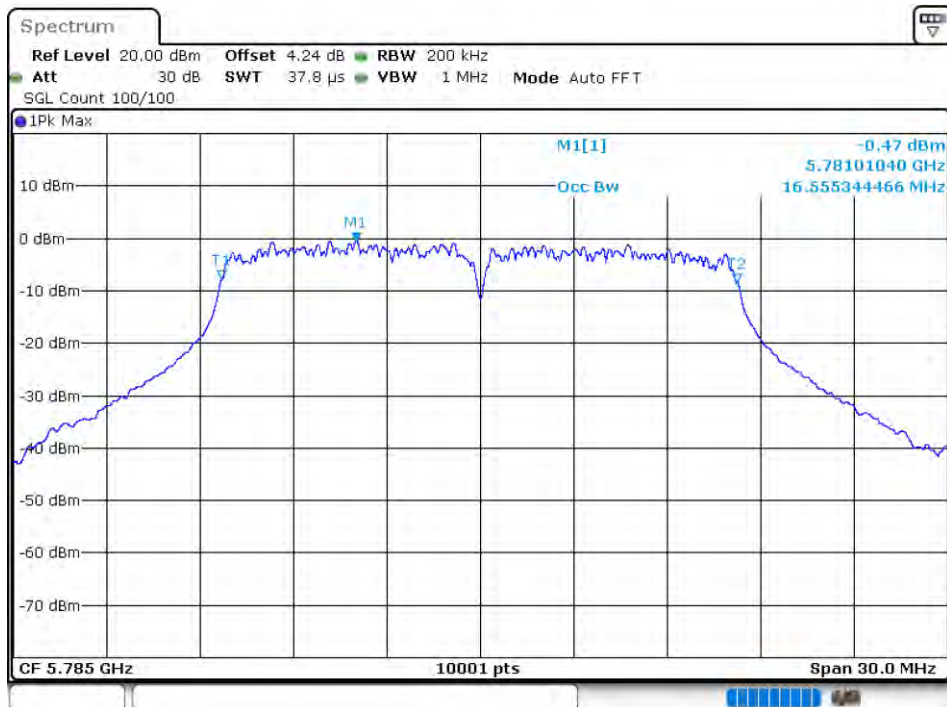
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.522
NVNT	a	5785	Ant1	16.555
NVNT	a	5825	Ant1	16.537
NVNT	a	5745	Ant2	16.576
NVNT	a	5785	Ant2	16.576
NVNT	a	5825	Ant2	16.444
NVNT	n20	5745	Ant1	17.629
NVNT	n20	5785	Ant1	17.596
NVNT	n20	5825	Ant1	17.632
NVNT	n20	5745	Ant2	17.743
NVNT	n20	5785	Ant2	17.725
NVNT	n20	5825	Ant2	17.656
NVNT	n40	5755	Ant1	36.518
NVNT	n40	5795	Ant1	36.626
NVNT	n40	5755	Ant2	36.578
NVNT	n40	5795	Ant2	36.602

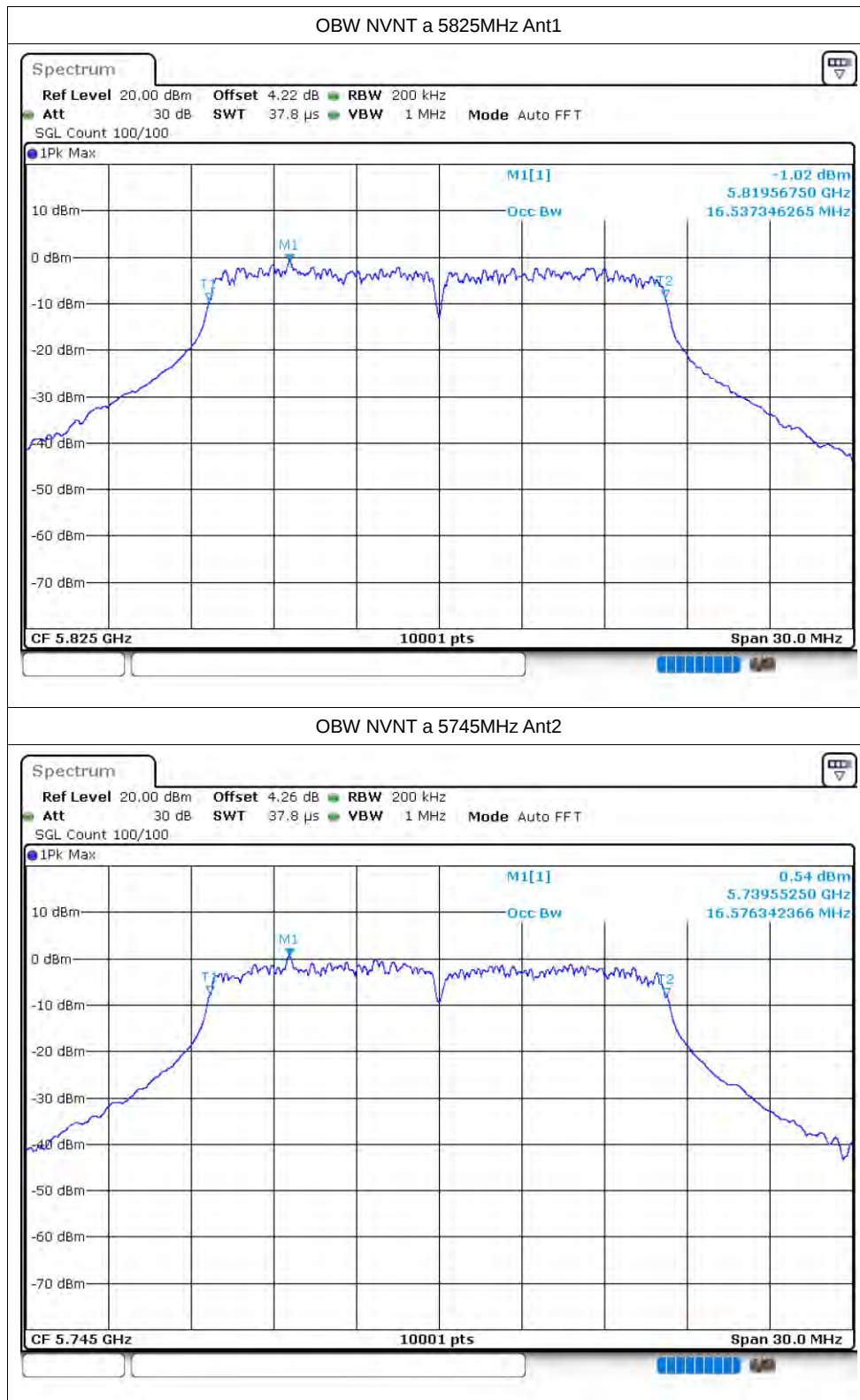
Test Graphs

OBW NVNT a 5745MHz Ant1

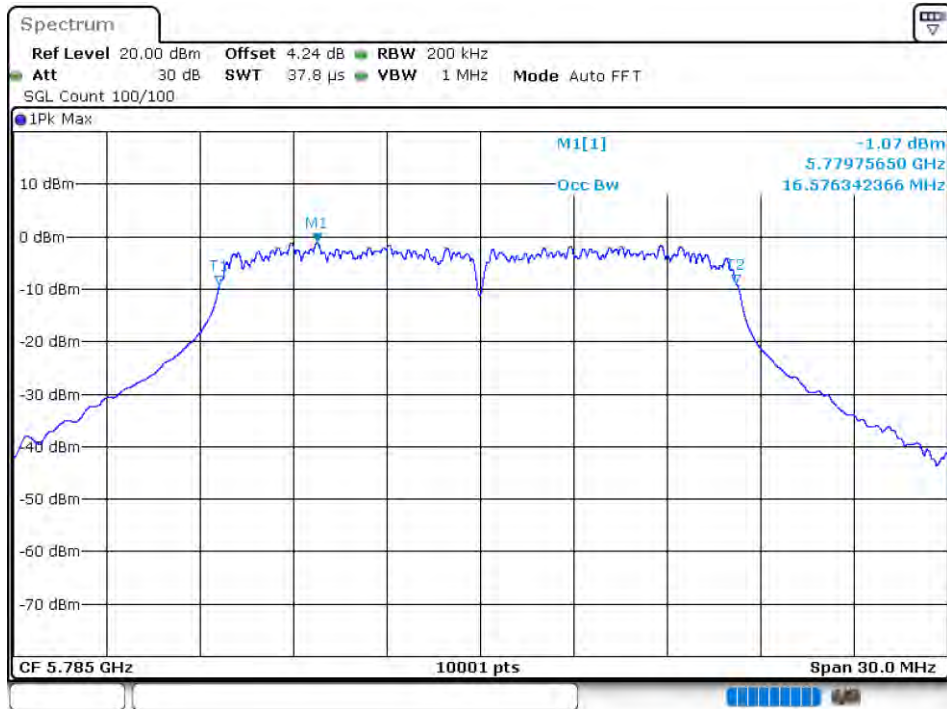


OBW NVNT a 5785MHz Ant1



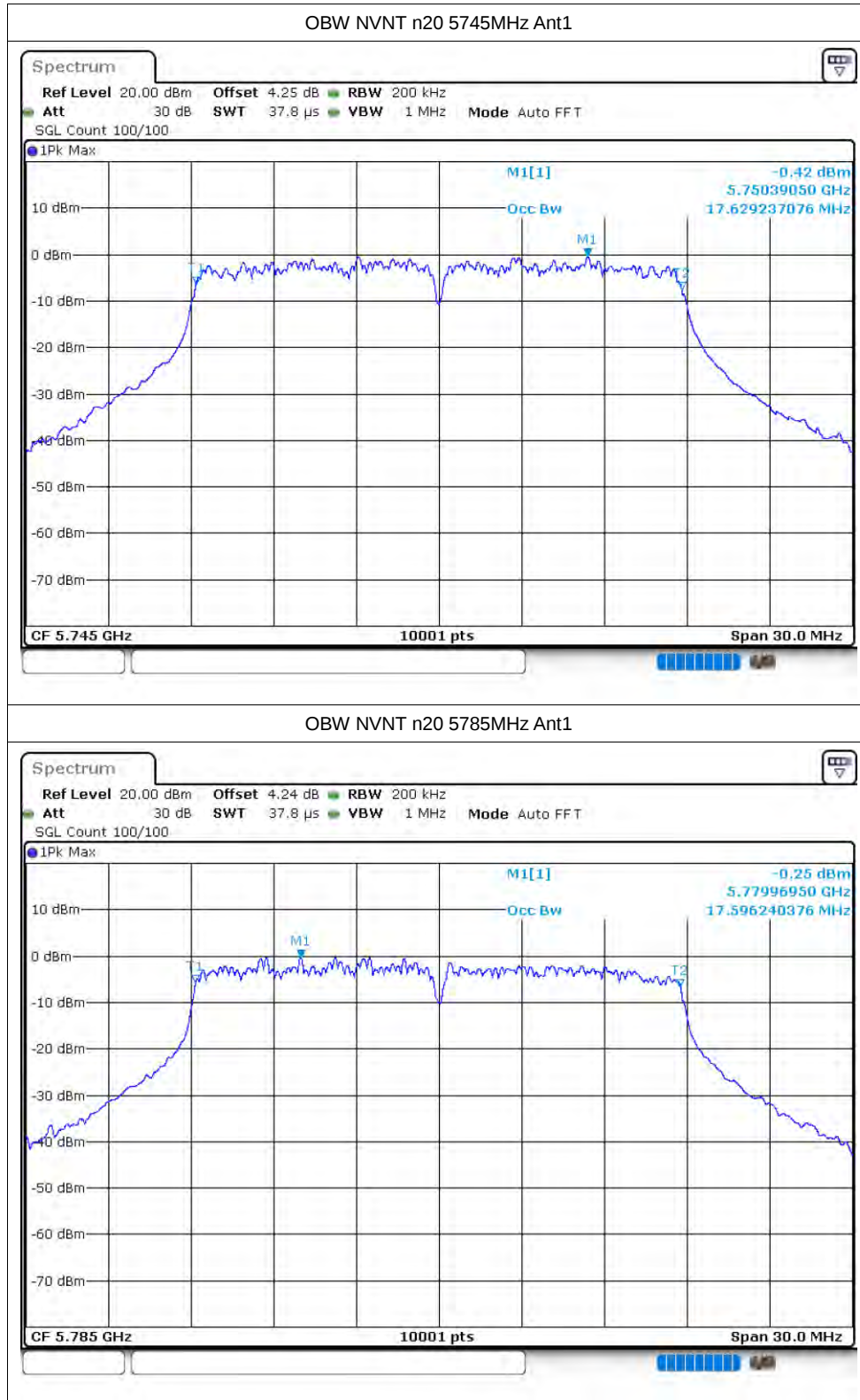


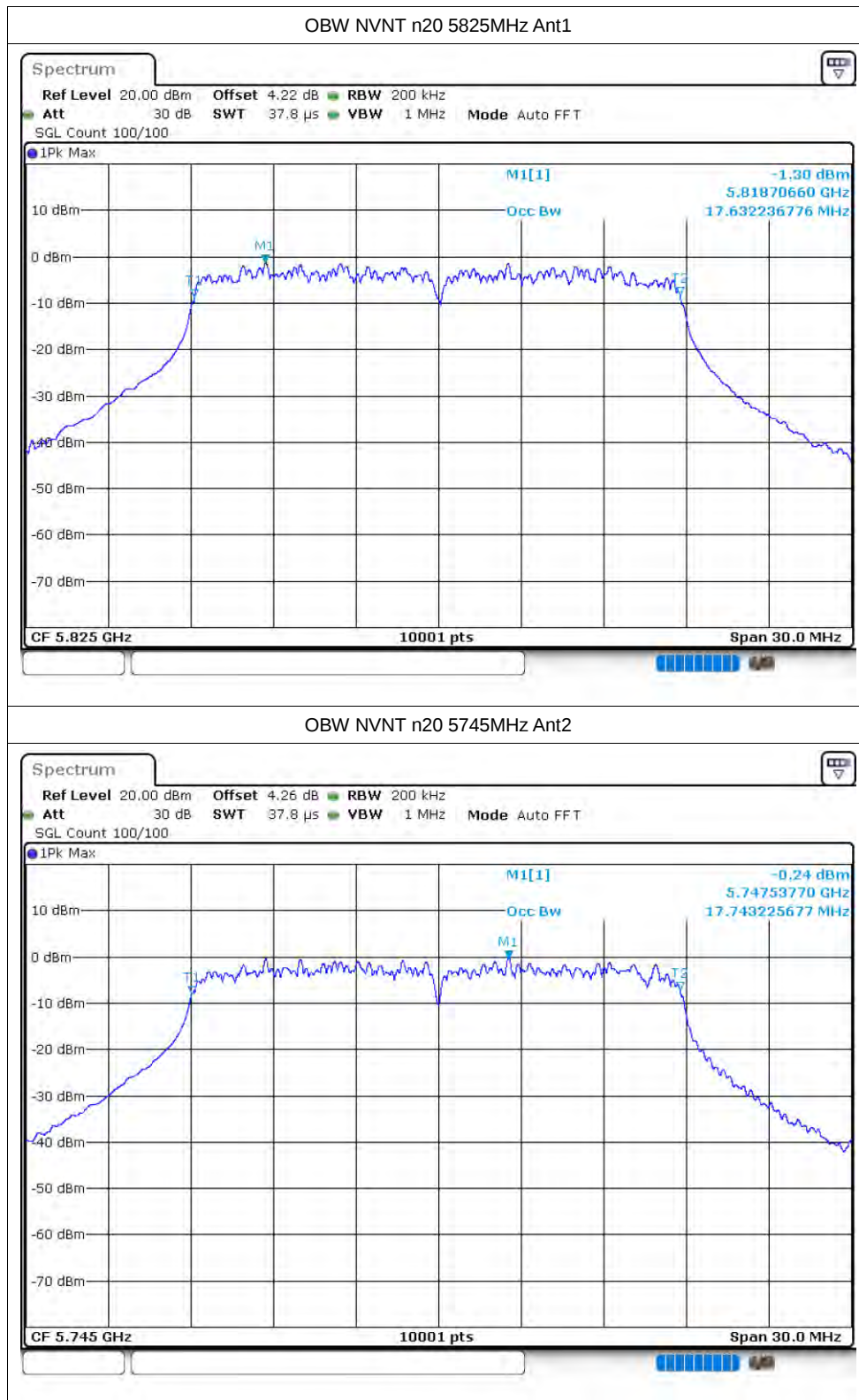
OBW NVNT a 5785MHz Ant2

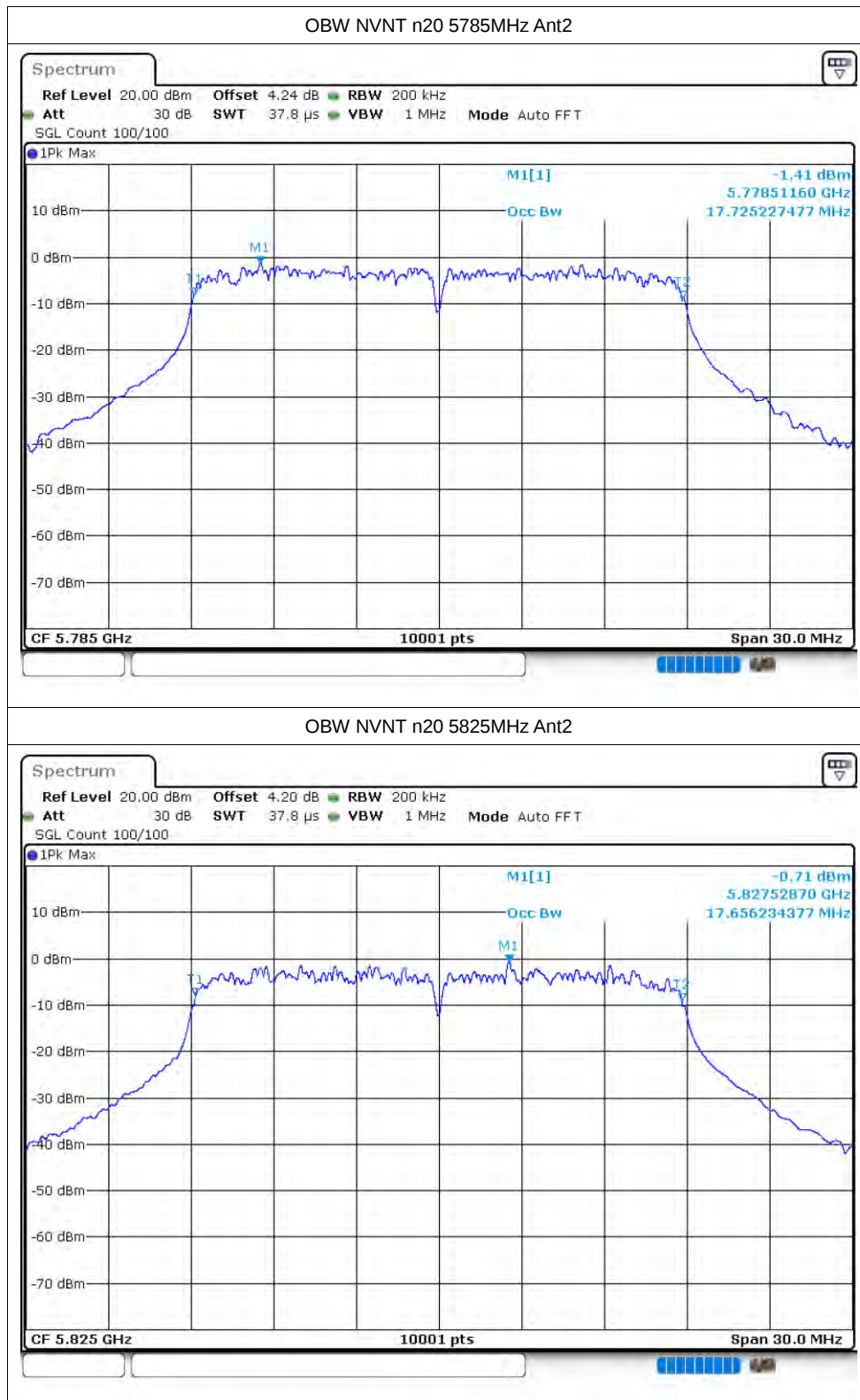


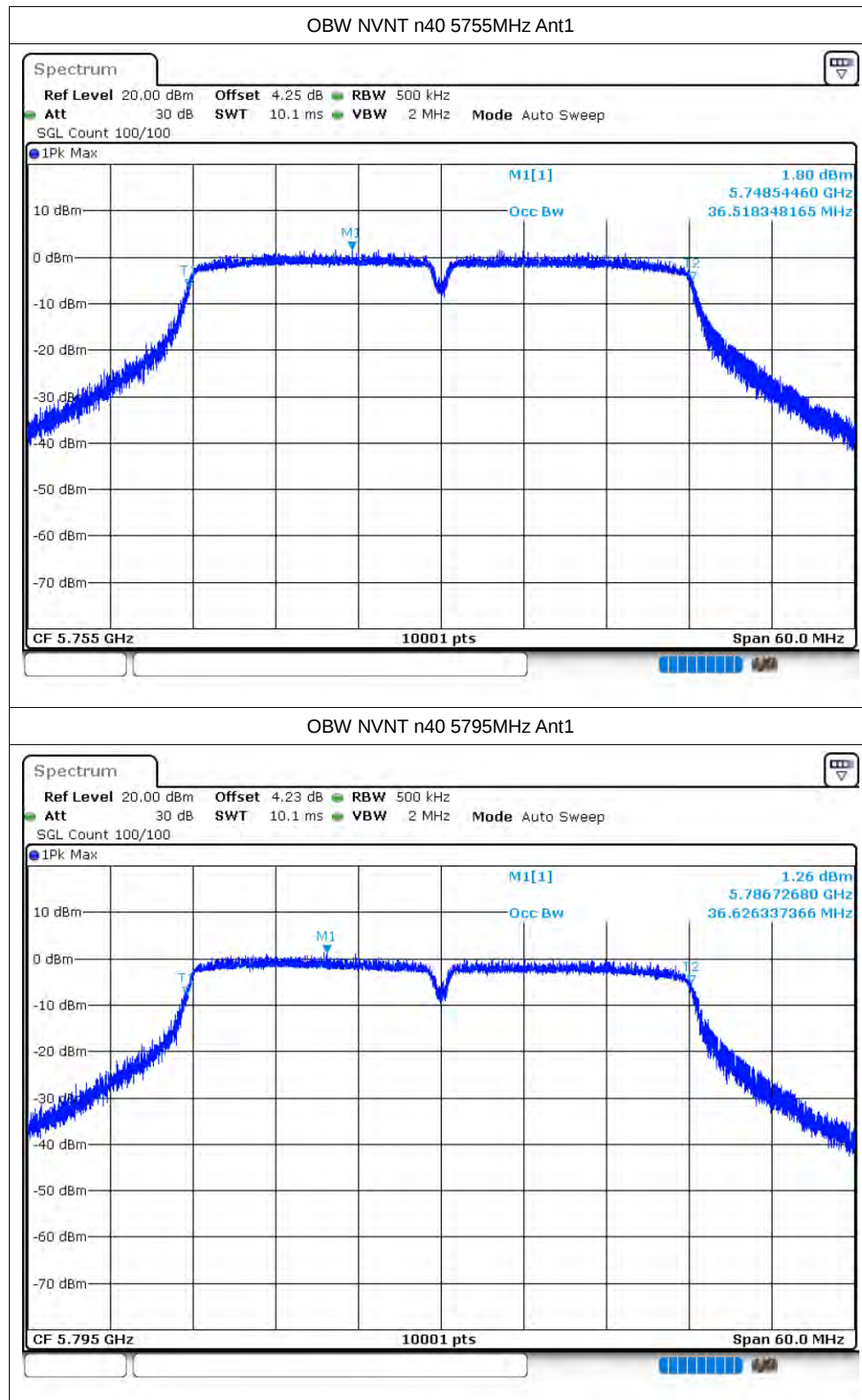
OBW NVNT a 5825MHz Ant2

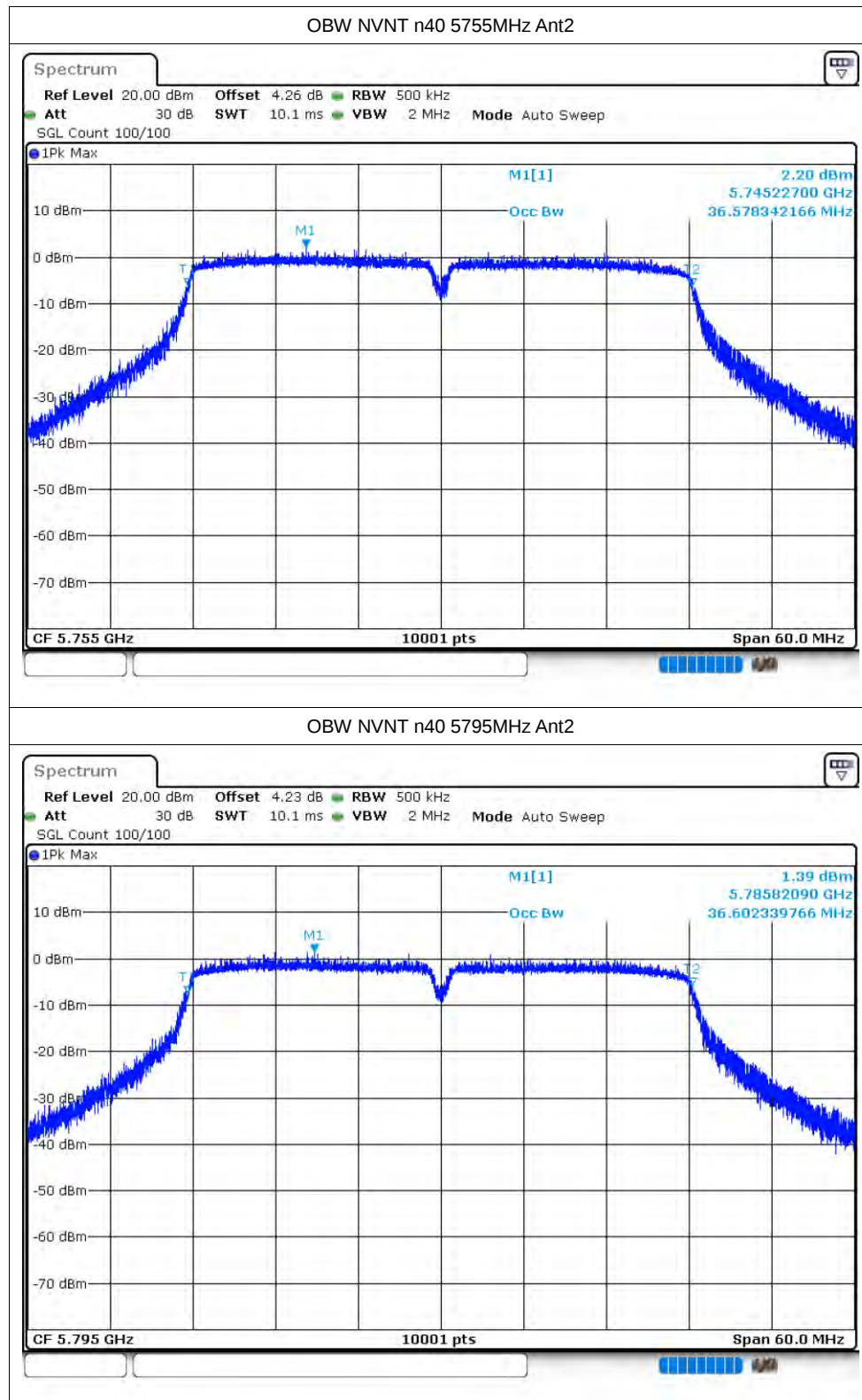










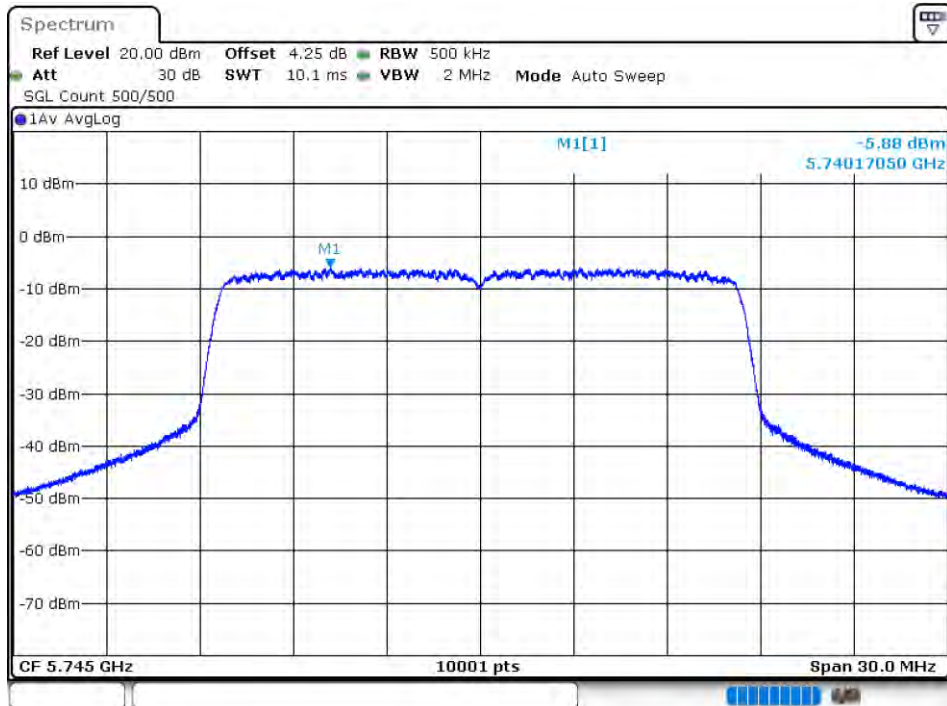


Maximum Power Spectral Density Level

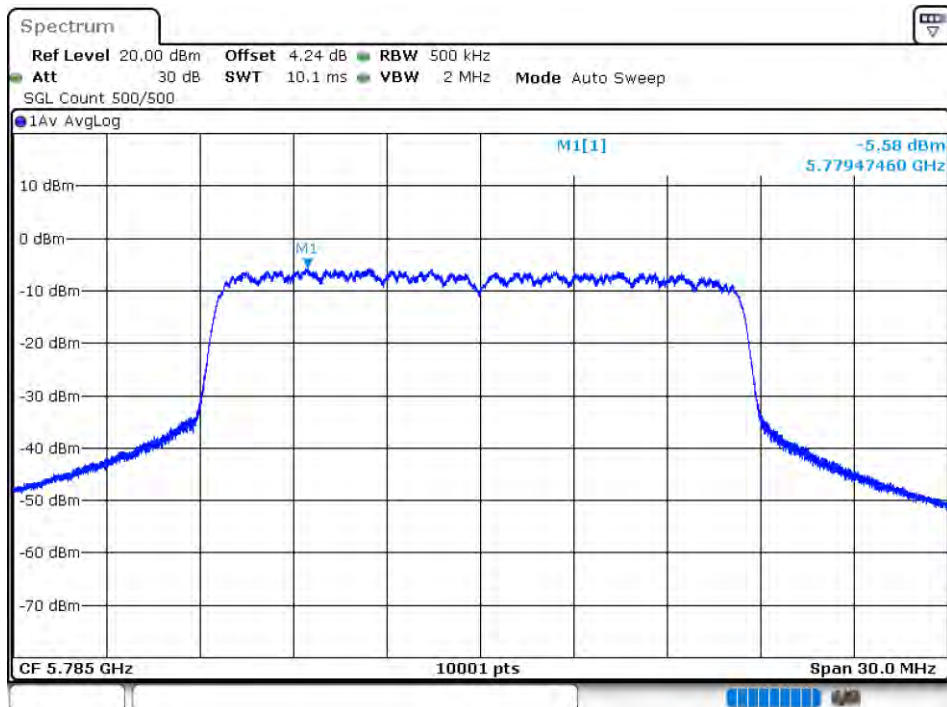
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-5.88	0.11	-5.77	30	Pass
NVNT	a	5785	Ant1	-5.58	0.11	-5.47	30	Pass
NVNT	a	5825	Ant1	-6.88	0.11	-6.77	30	Pass
NVNT	a	5745	Ant2	-4.57	0.11	-4.46	30	Pass
NVNT	a	5785	Ant2	-5.37	0.11	-5.26	30	Pass
NVNT	a	5825	Ant2	-5.53	0.11	-5.42	30	Pass
NVNT	n20	5745	Ant1	-6.4	0.11	-6.29	30	Pass
NVNT	n20	5785	Ant1	-6.19	0.11	-6.08	30	Pass
NVNT	n20	5825	Ant1	-7.39	0.11	-7.28	30	Pass
NVNT	n20	5745	Ant2	-5.35	0.11	-5.24	30	Pass
NVNT	n20	5785	Ant2	-5.39	0.11	-5.28	30	Pass
NVNT	n20	5825	Ant2	-6.2	0.11	-6.09	30	Pass
NVNT	n40	5755	Ant1	-9.84	0.15	-9.69	30	Pass
NVNT	n40	5795	Ant1	-9.65	0.15	-9.5	30	Pass
NVNT	n40	5755	Ant2	-7.76	0.15	-7.61	30	Pass
NVNT	n40	5795	Ant2	-9.37	0.15	-9.22	30	Pass

Test Graphs

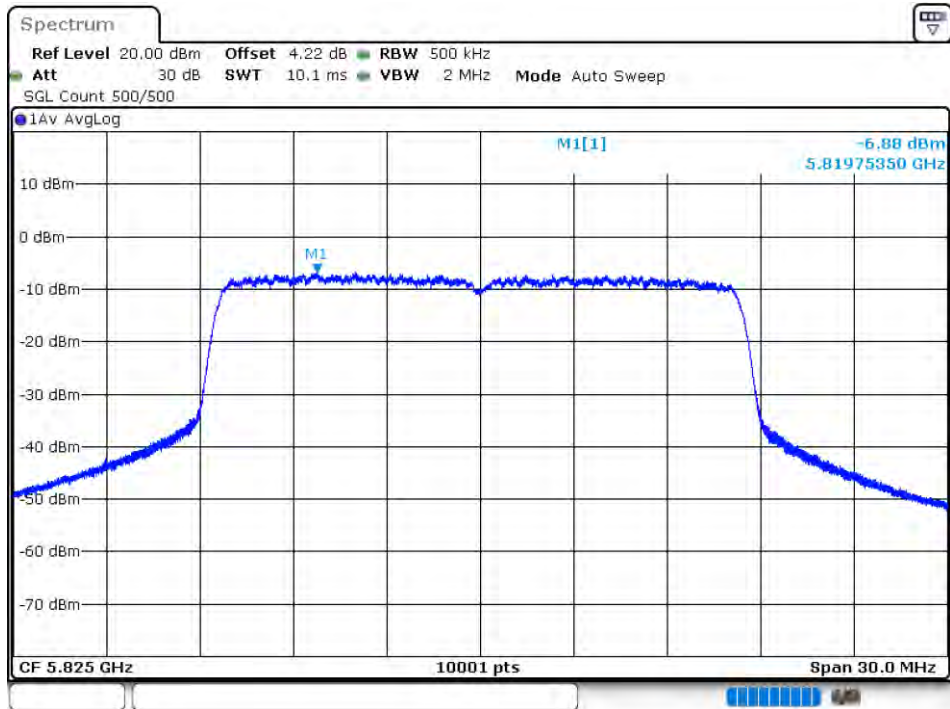
PSD NVNT a 5745MHz Ant1



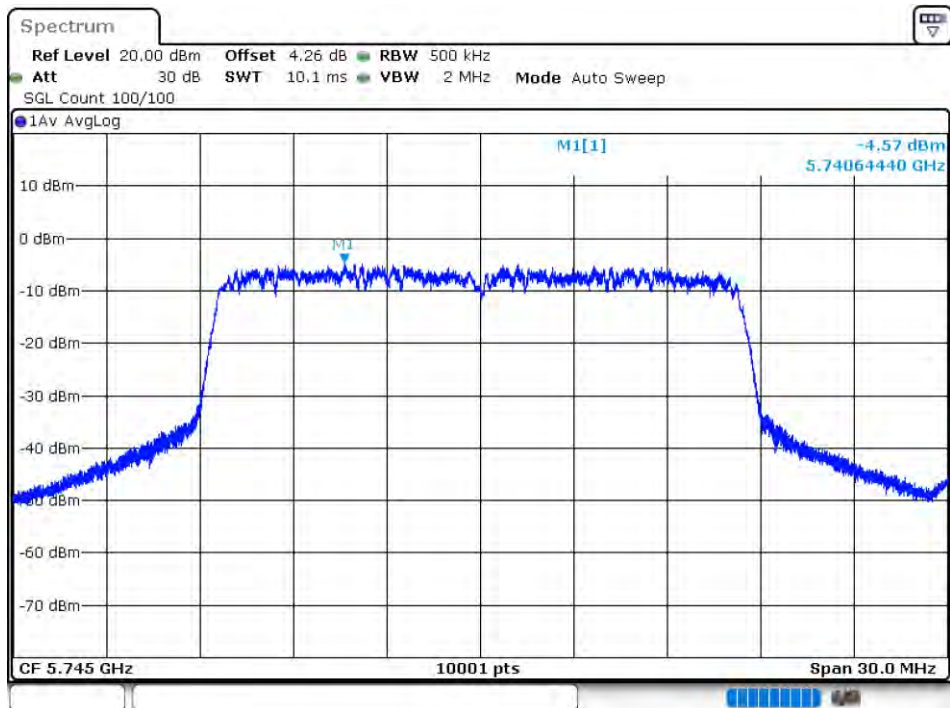
PSD NVNT a 5785MHz Ant1



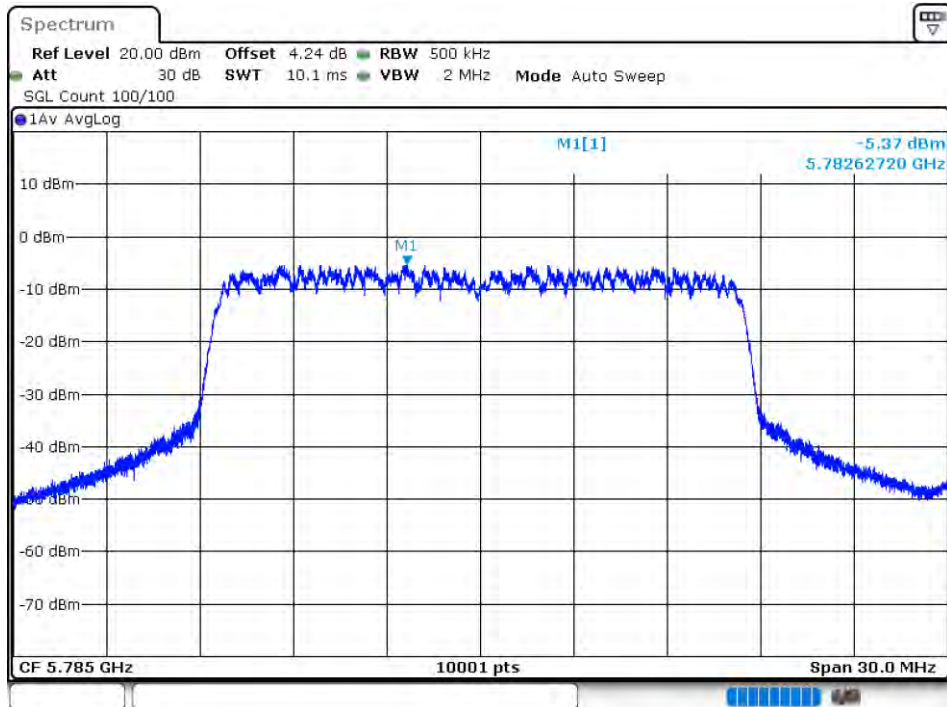
PSD NVNT a 5825MHz Ant1



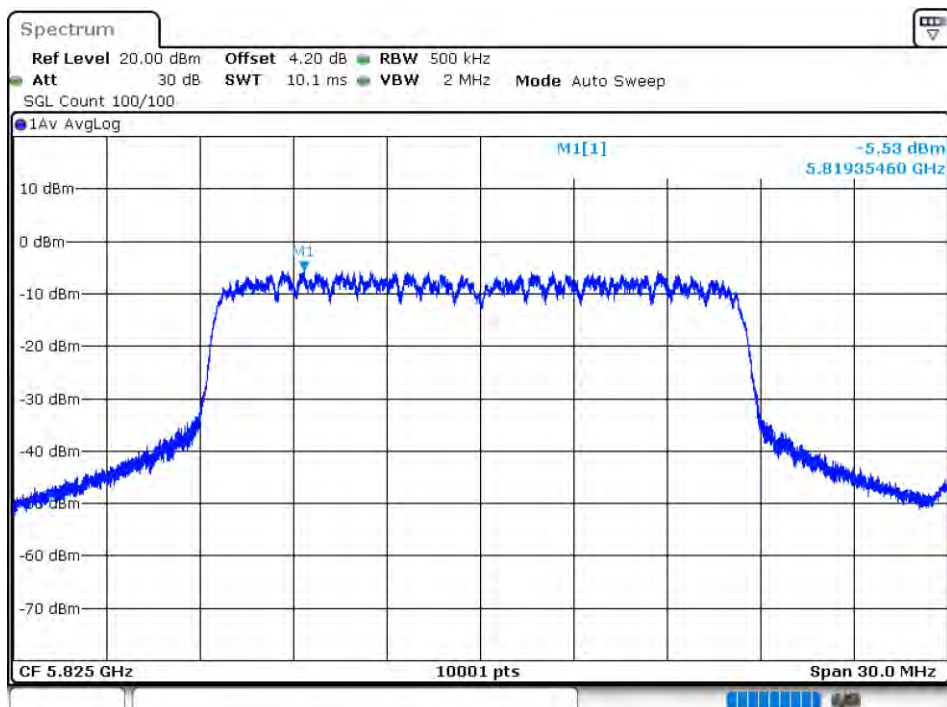
PSD NVNT a 5745MHz Ant2

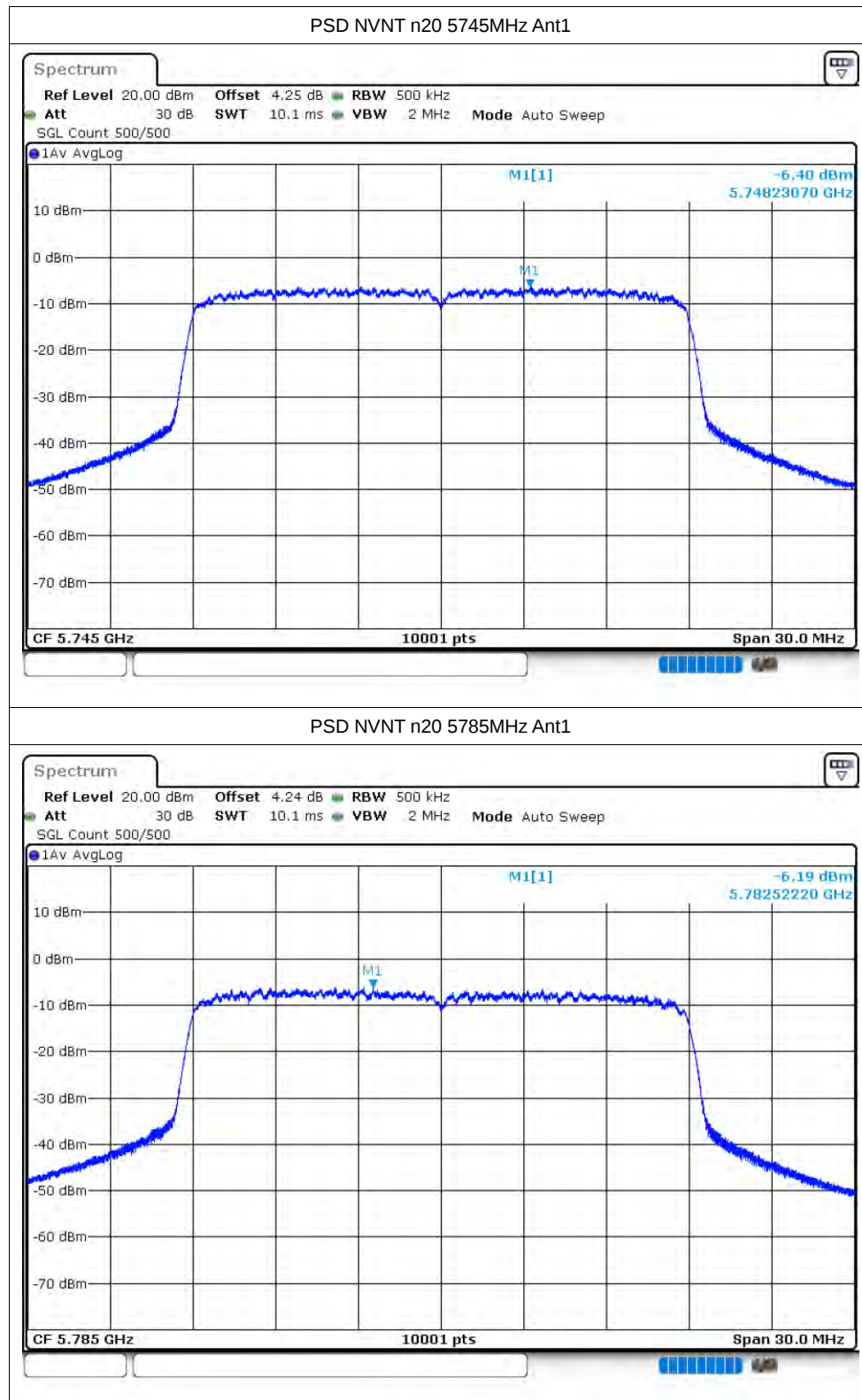


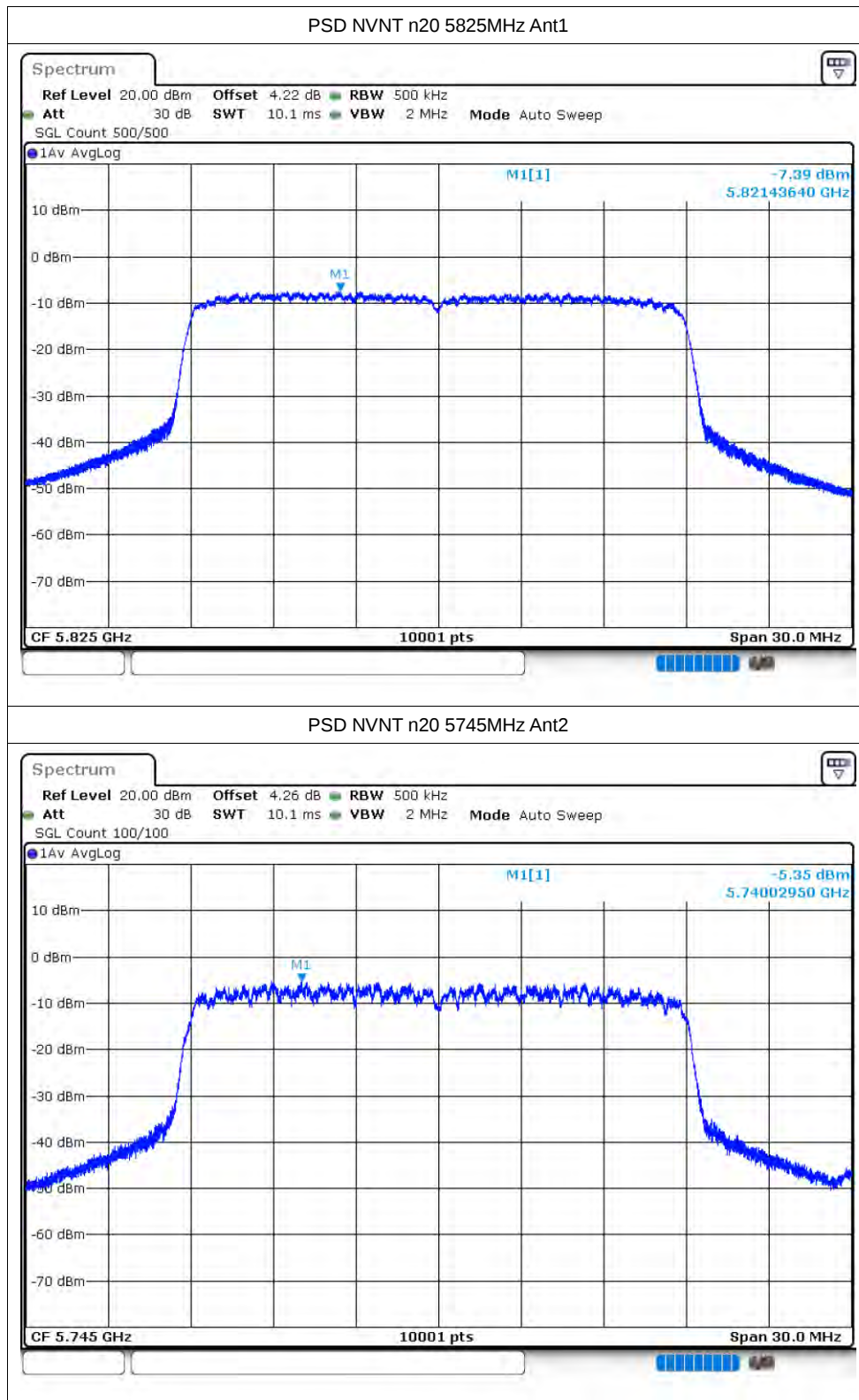
PSD NVNT a 5785MHz Ant2

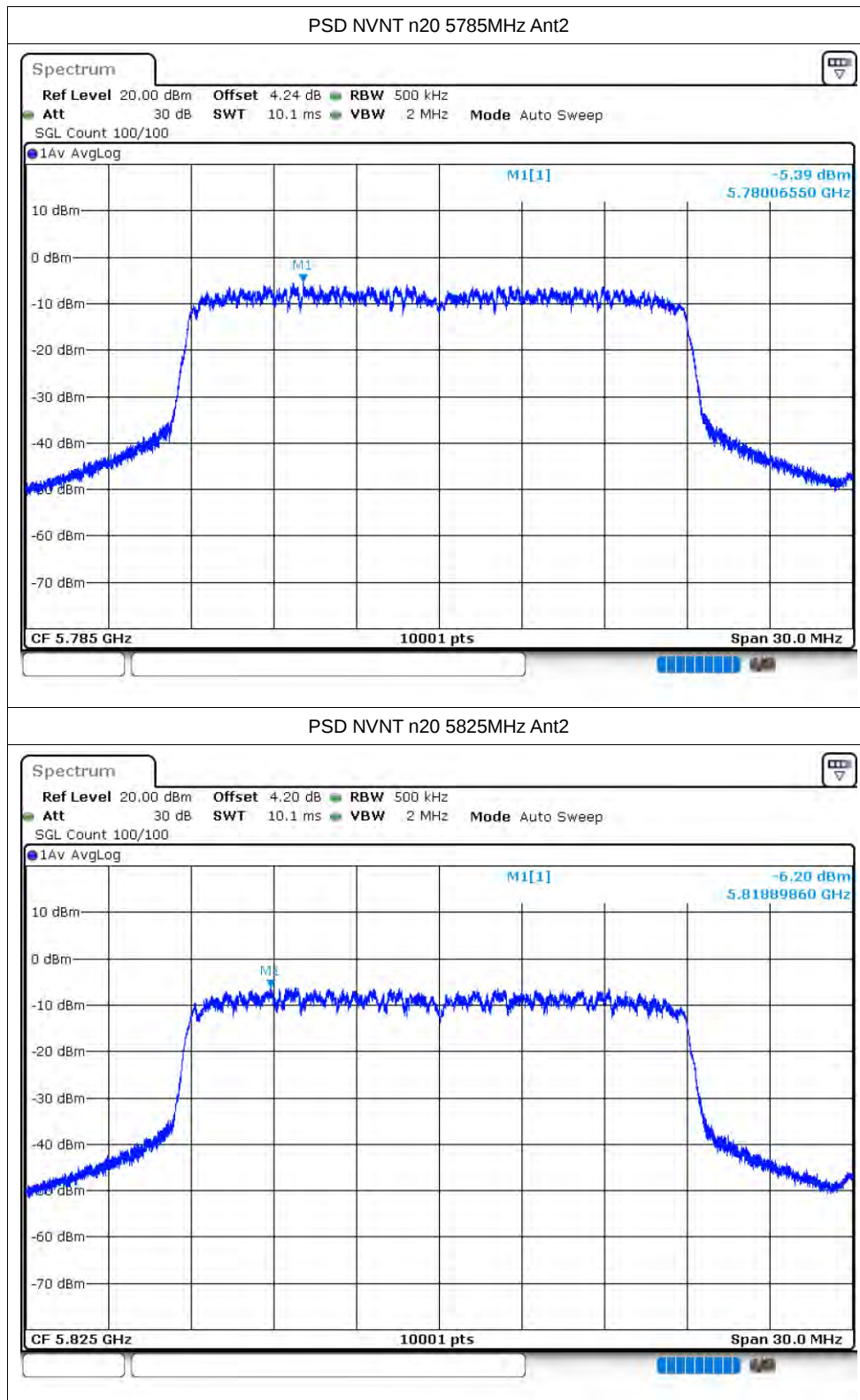


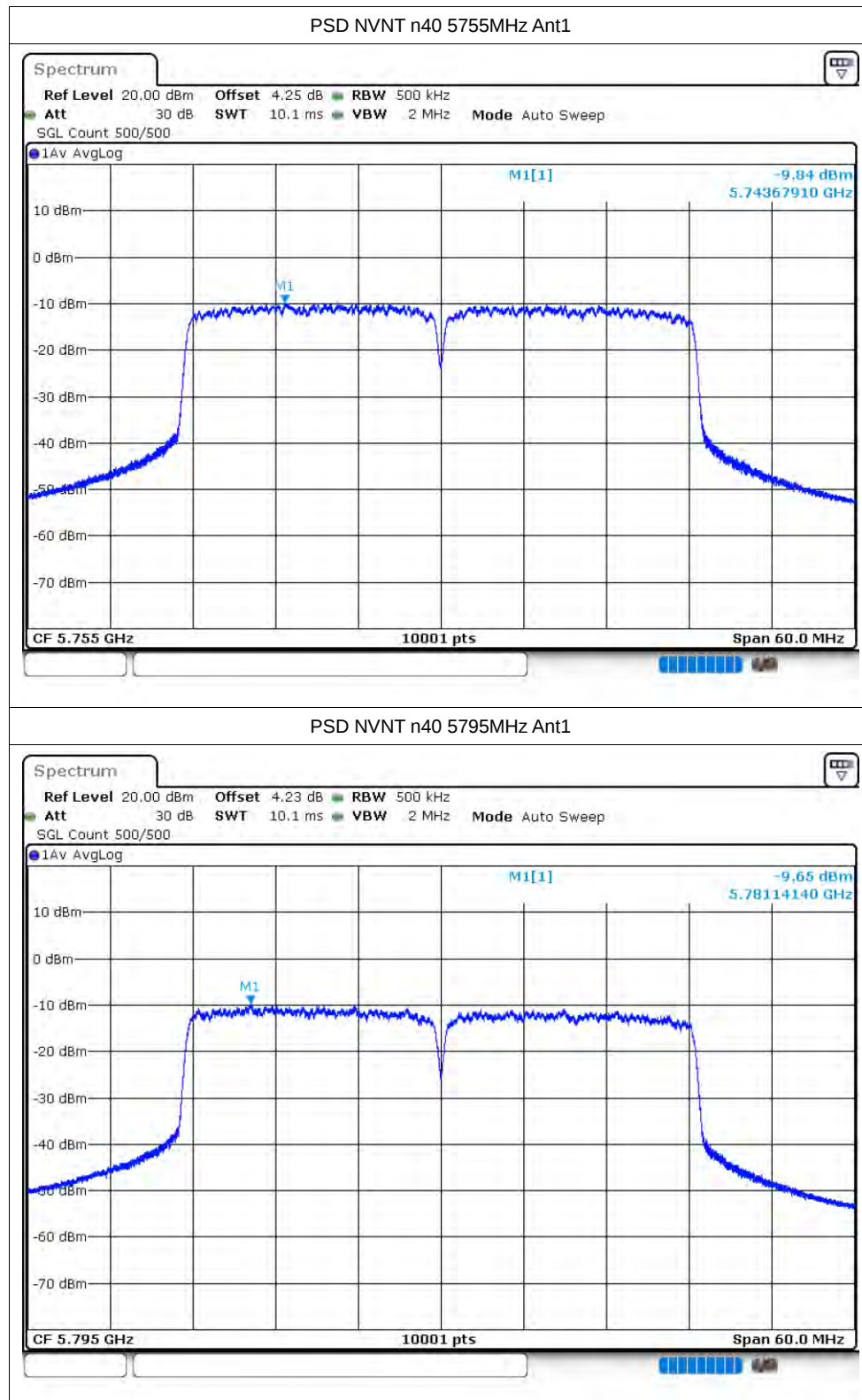
PSD NVNT a 5825MHz Ant2

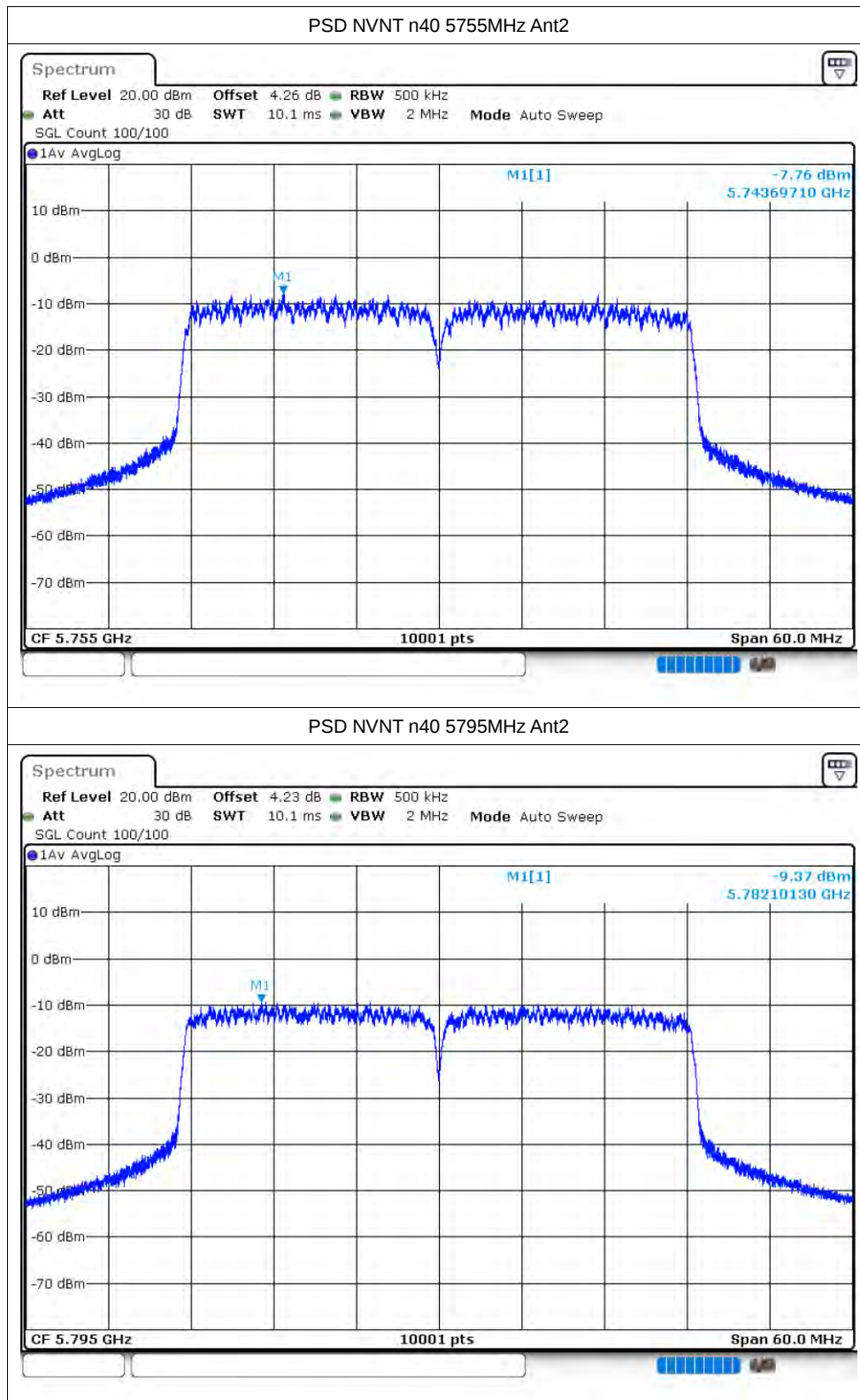












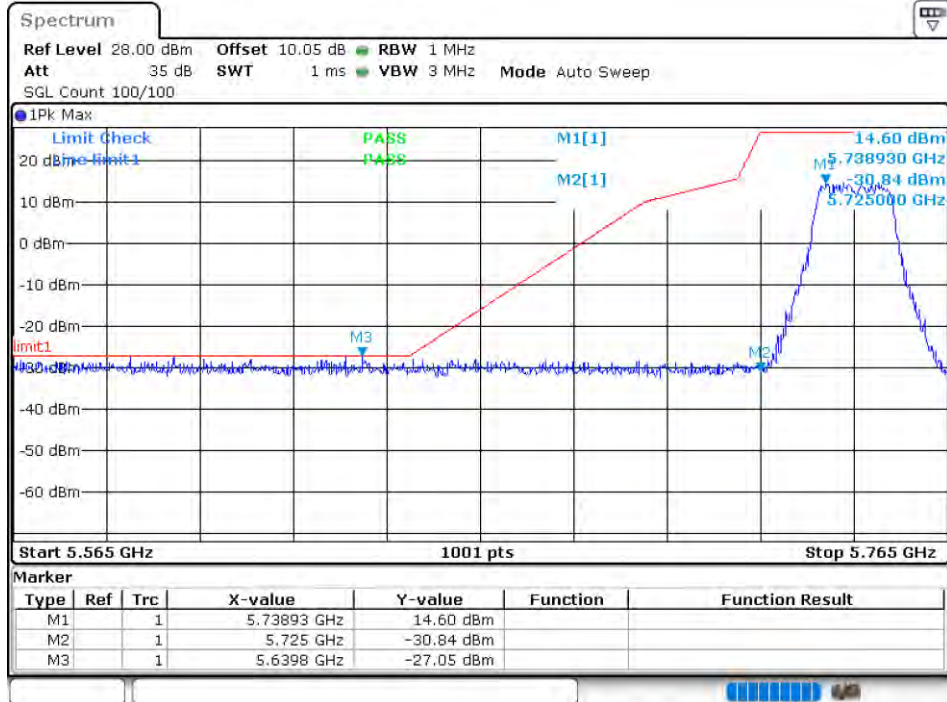
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5745	Ant1	-27.05	Pass
NVNT	a	5825	Ant1	-28.26	Pass
NVNT	a	5745	Ant2	-27.47	Pass
NVNT	a	5825	Ant2	-28.21	Pass
NVNT	n20	5745	Ant1	-27.4	Pass
NVNT	n20	5825	Ant1	-27.85	Pass
NVNT	n20	5745	Ant2	-26.83	Pass
NVNT	n20	5825	Ant2	-28.27	Pass
NVNT	n40	5755	Ant1	-21.03	Pass
NVNT	n40	5795	Ant1	-29.01	Pass
NVNT	n40	5755	Ant2	-24.72	Pass
NVNT	n40	5795	Ant2	-28.17	Pass

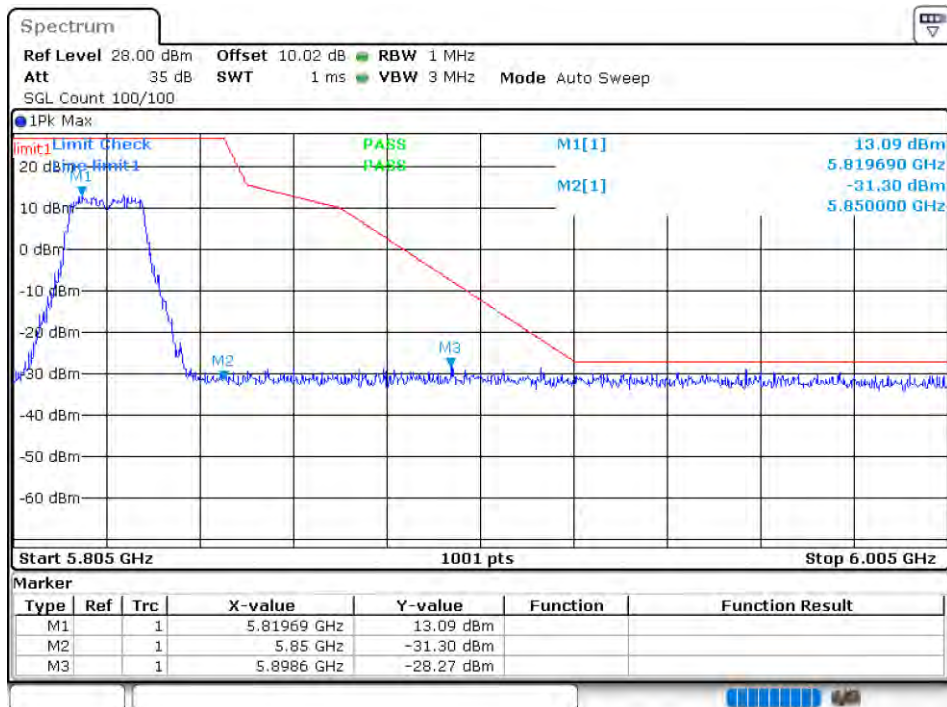
Note: This test has increased antenna gain .

Test Graphs

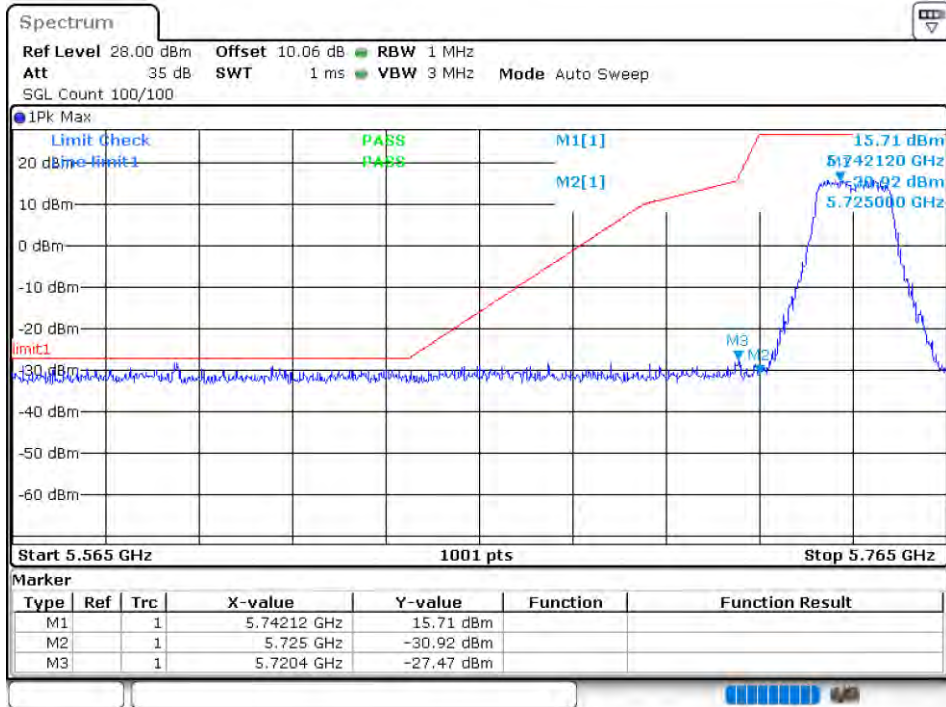
Band Edge NVNT a 5745MHz Low Ant1



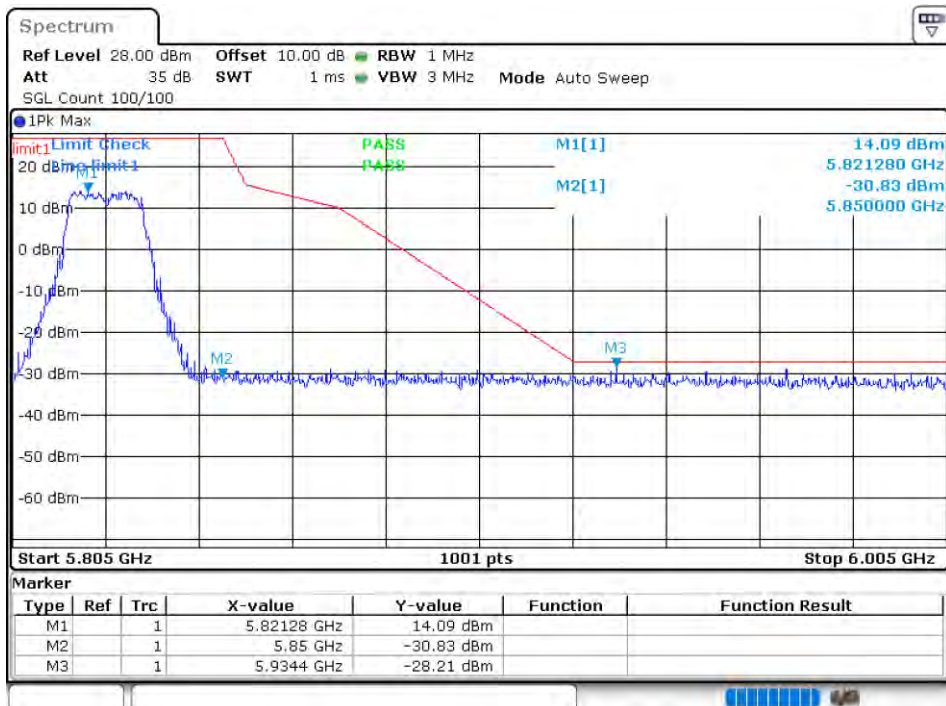
Band Edge NVNT a 5825MHz High Ant1



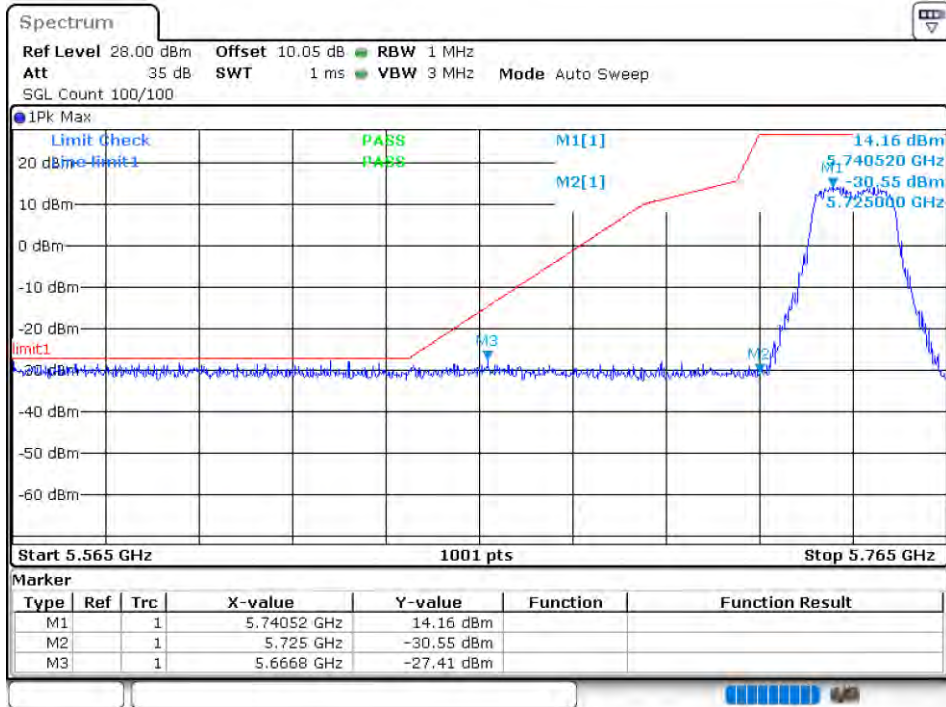
Band Edge NVNT a 5745MHz Low Ant2



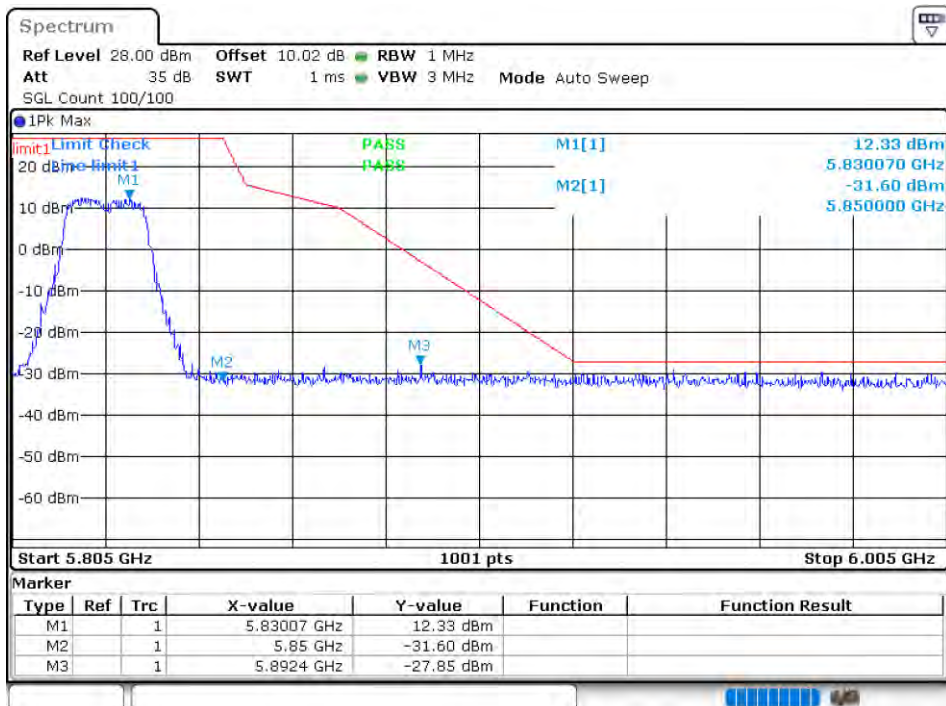
Band Edge NVNT a 5825MHz High Ant2



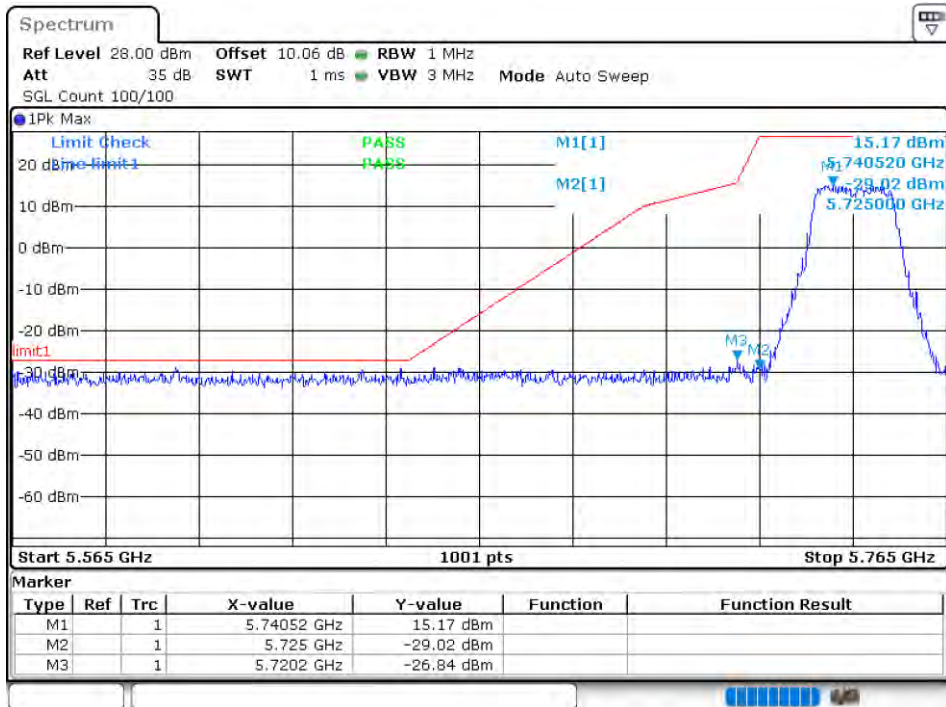
Band Edge NVNT n20 5745MHz Low Ant1



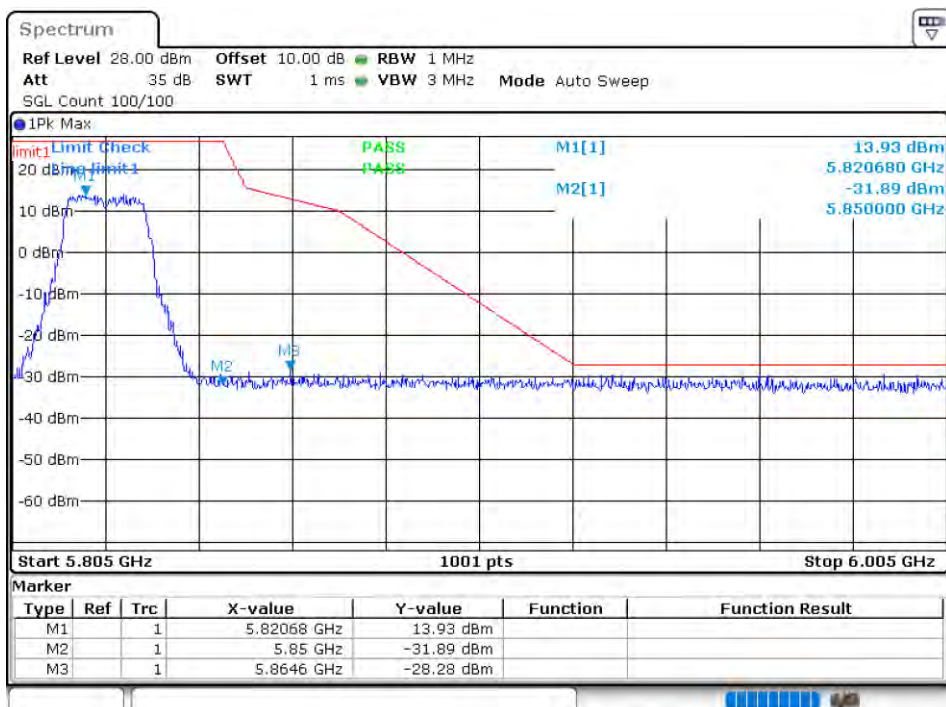
Band Edge NVNT n20 5825MHz High Ant1



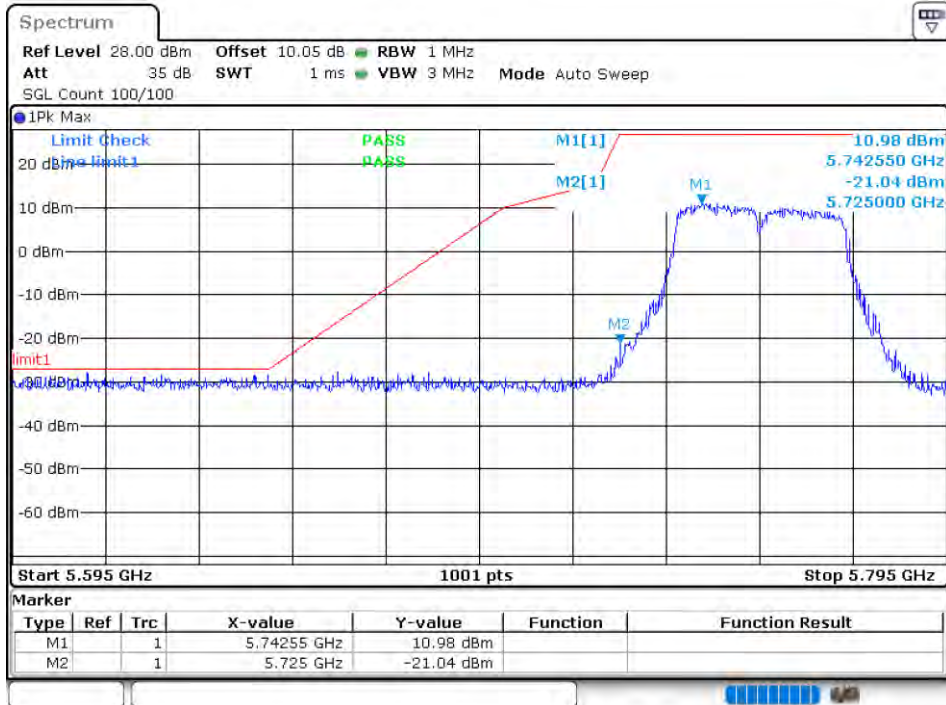
Band Edge NVNT n20 5745MHz Low Ant2



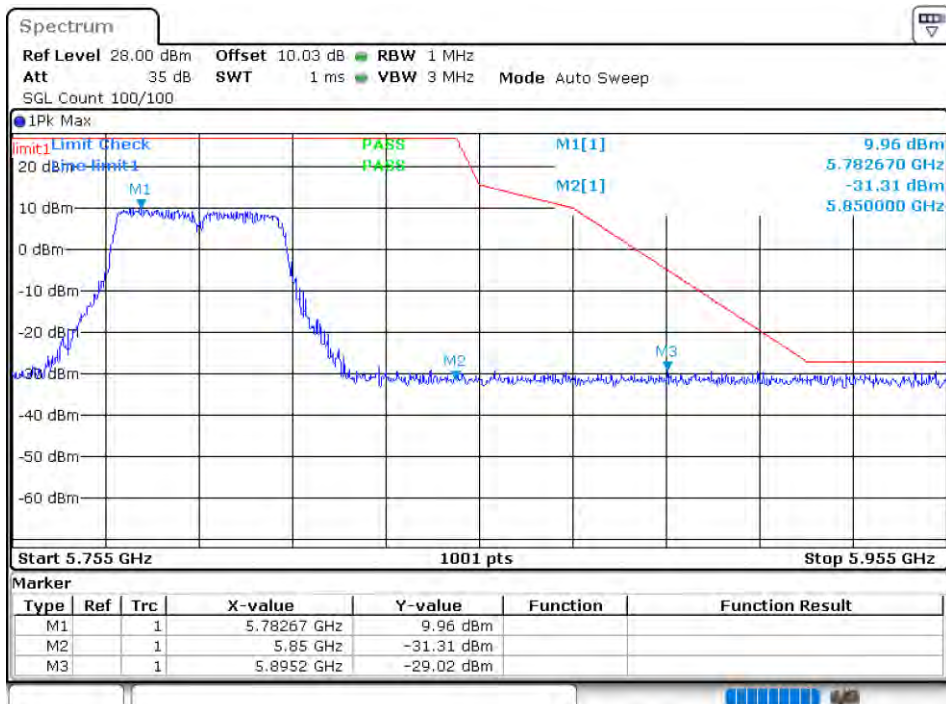
Band Edge NVNT n20 5825MHz High Ant2



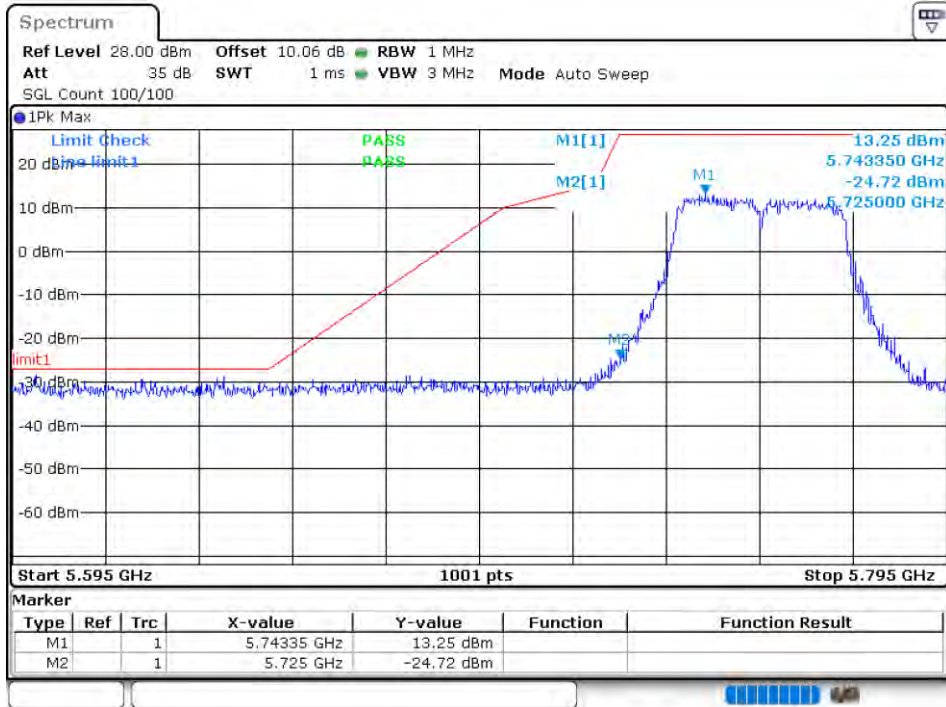
Band Edge NVNT n40 5755MHz Low Ant1



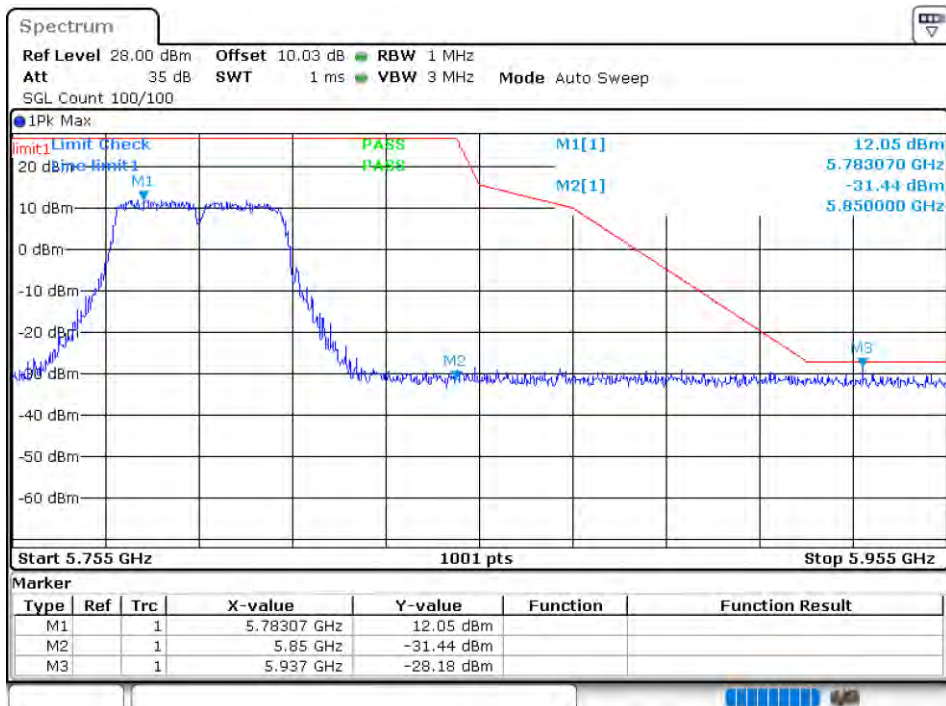
Band Edge NVNT n40 5795MHz High Ant1



Band Edge NVNT n40 5755MHz Low Ant2



Band Edge NVNT n40 5795MHz High Ant2



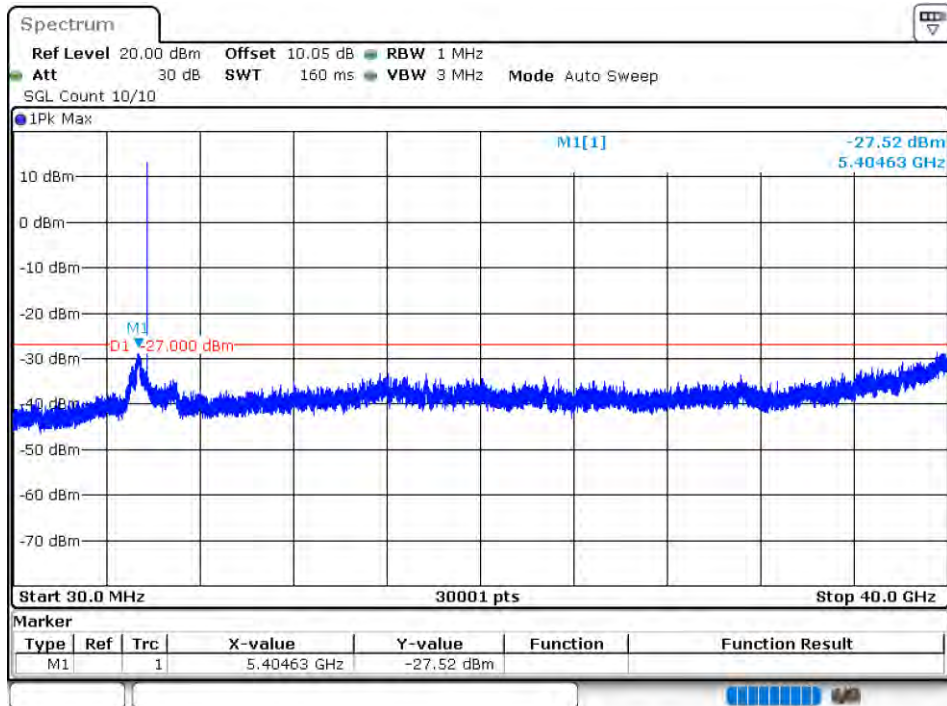
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-27.51	-27	Pass
NVNT	a	5785	Ant1	-27.14	-27	Pass
NVNT	a	5825	Ant1	-28.07	-27	Pass
NVNT	a	5745	Ant2	-28.54	-27	Pass
NVNT	a	5785	Ant2	-28.38	-27	Pass
NVNT	a	5825	Ant2	-28.49	-27	Pass
NVNT	n20	5745	Ant1	-28.2	-27	Pass
NVNT	n20	5785	Ant1	-27.21	-27	Pass
NVNT	n20	5825	Ant1	-27.86	-27	Pass
NVNT	n20	5745	Ant2	-28.09	-27	Pass
NVNT	n20	5785	Ant2	-27.42	-27	Pass
NVNT	n20	5825	Ant2	-27.47	-27	Pass
NVNT	n40	5755	Ant1	-28.23	-27	Pass
NVNT	n40	5795	Ant1	-28.41	-27	Pass
NVNT	n40	5755	Ant2	-28.17	-27	Pass
NVNT	n40	5795	Ant2	-28.43	-27	Pass

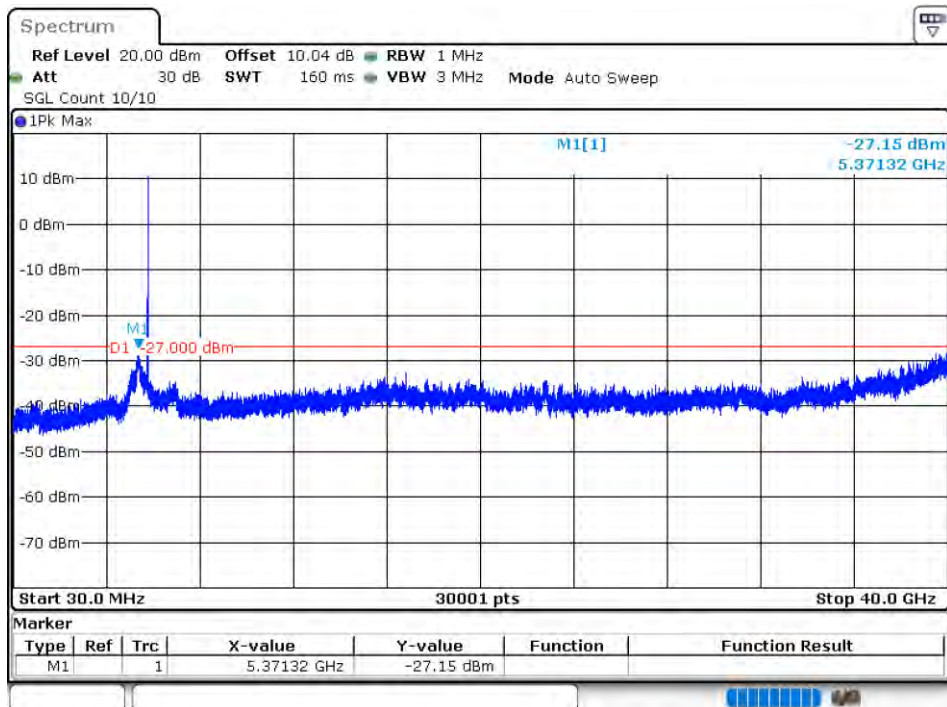
Note: This test has increased antenna gain .

Test Graphs

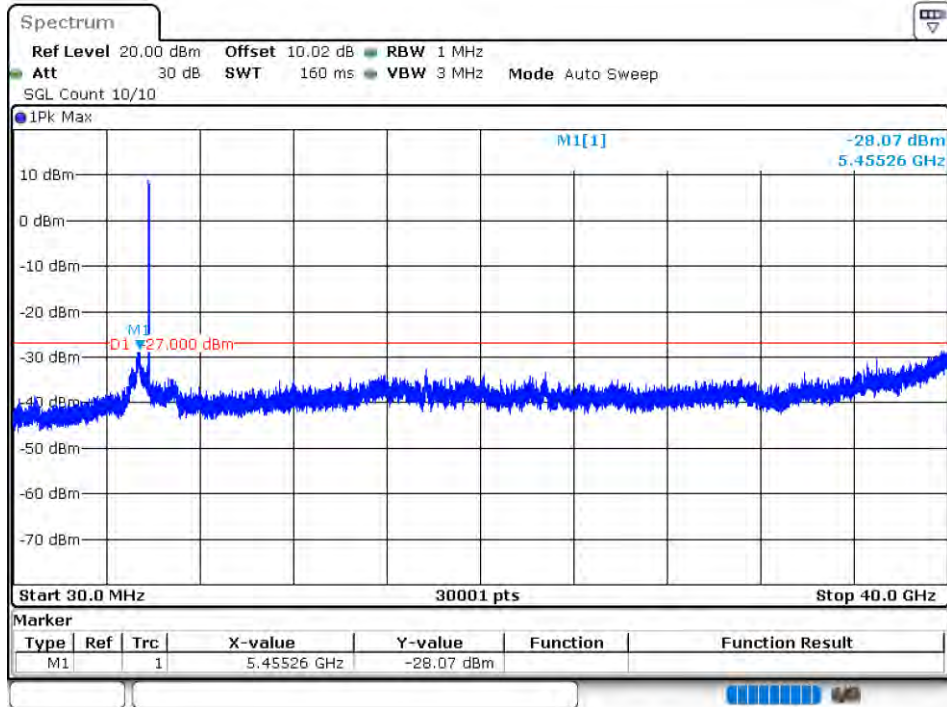
Tx. Spurious NVNT a 5745MHz Ant1 Emission



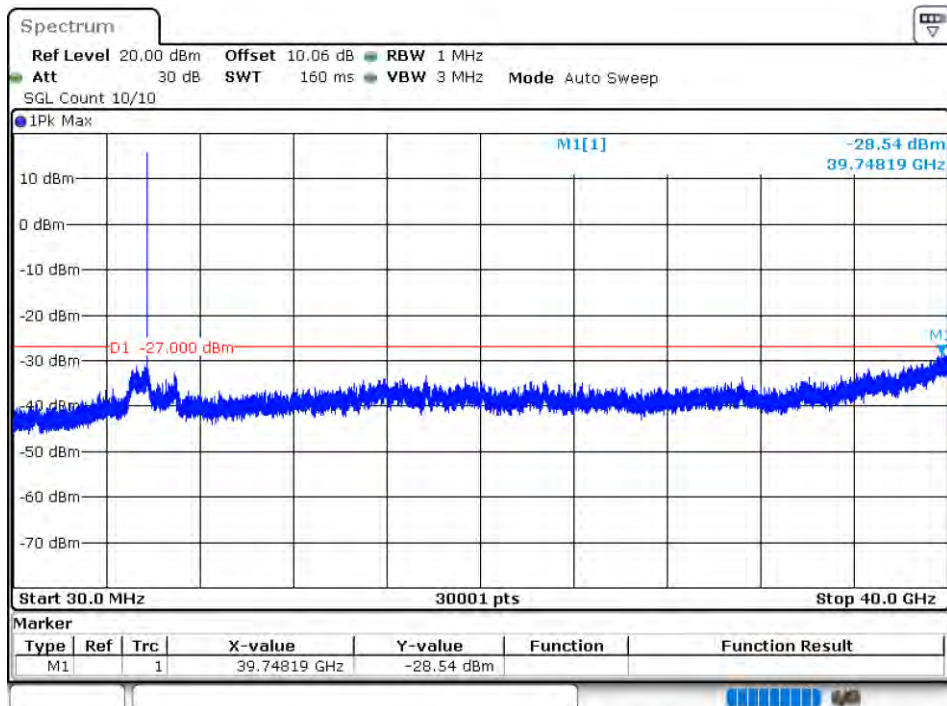
Tx. Spurious NVNT a 5785MHz Ant1 Emission



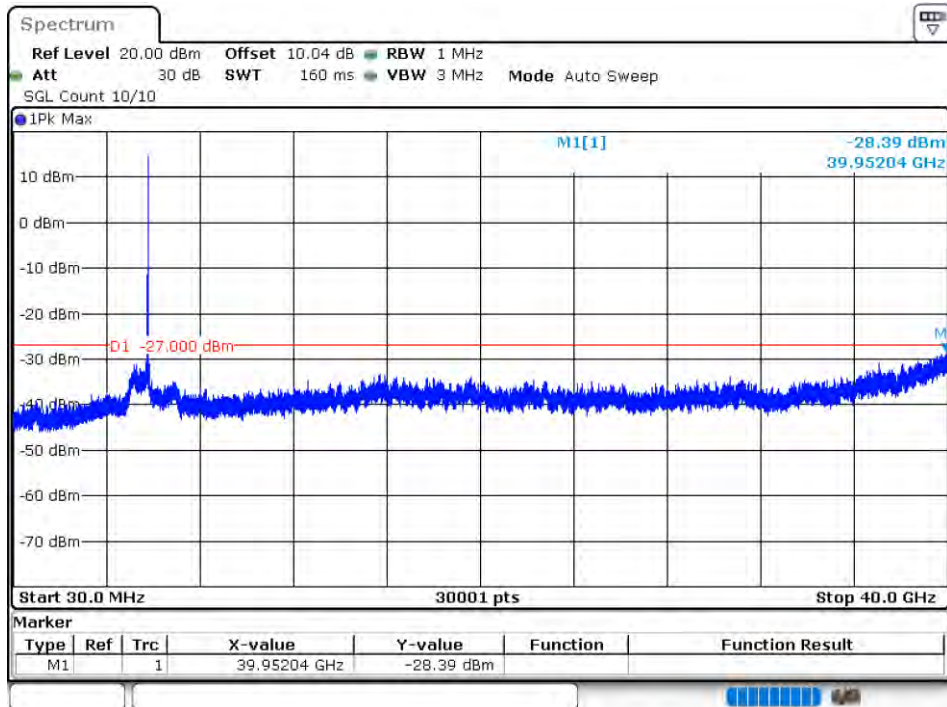
Tx. Spurious NVNT a 5825MHz Ant1 Emission



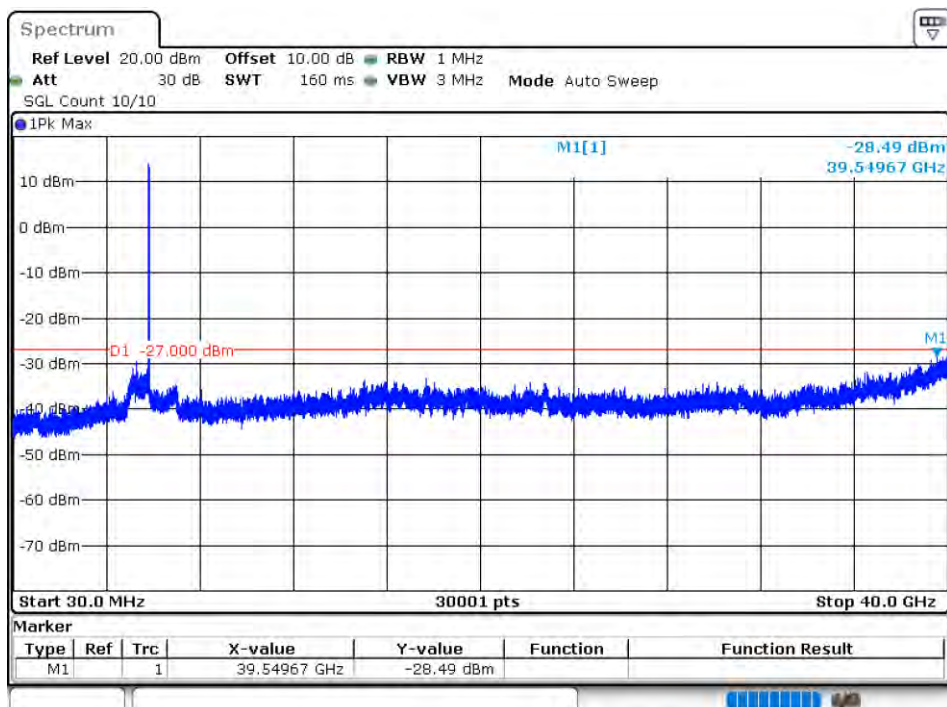
Tx. Spurious NVNT a 5745MHz Ant2 Emission



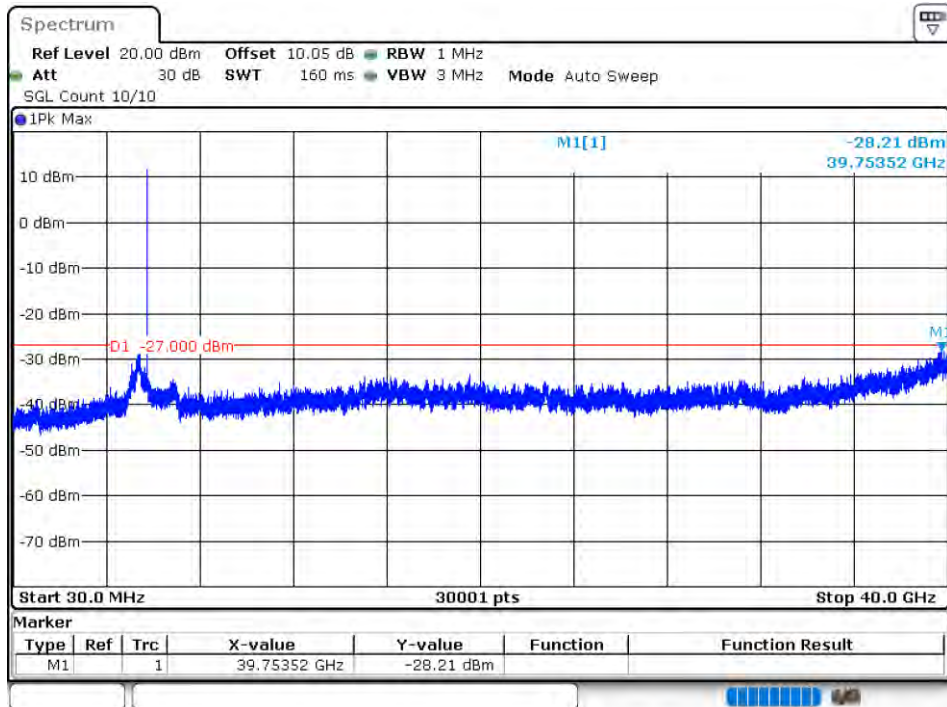
Tx. Spurious NVNT a 5785MHz Ant2 Emission



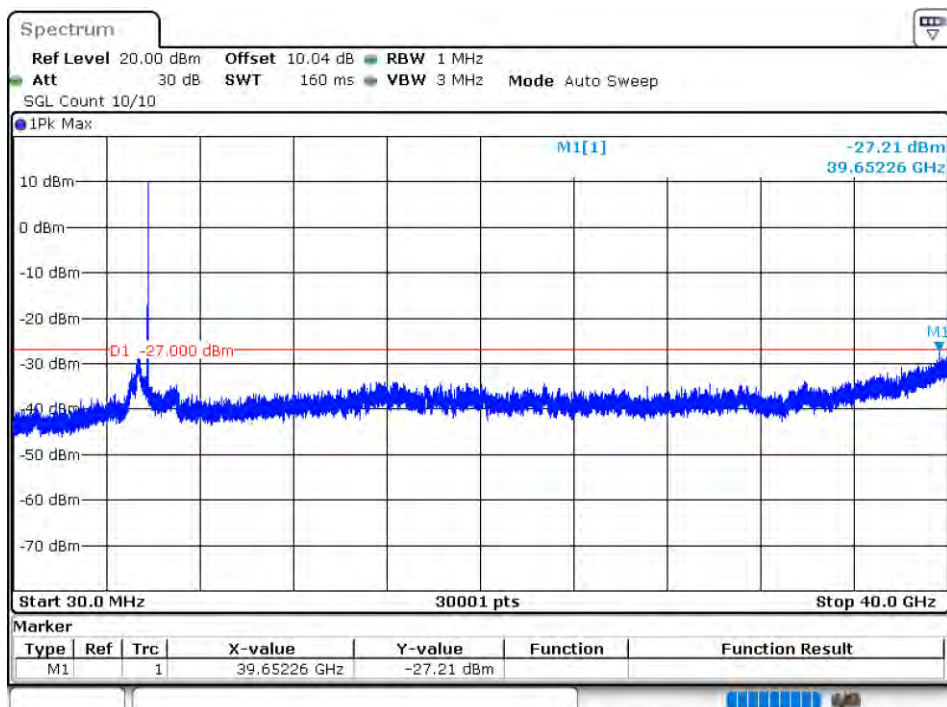
Tx. Spurious NVNT a 5825MHz Ant2 Emission



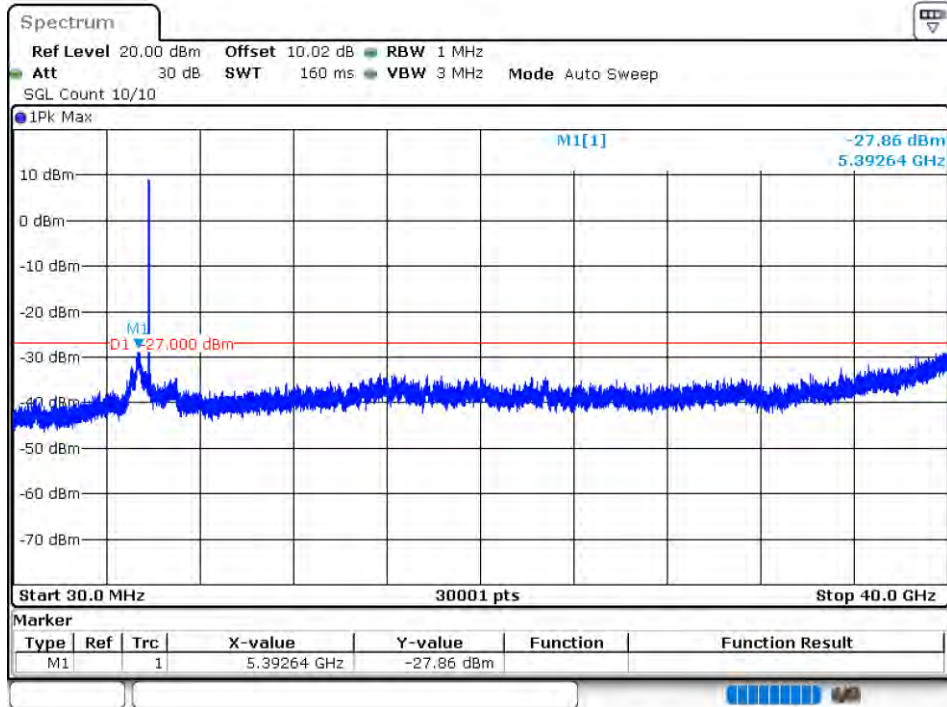
Tx. Spurious NVNT n20 5745MHz Ant1 Emission



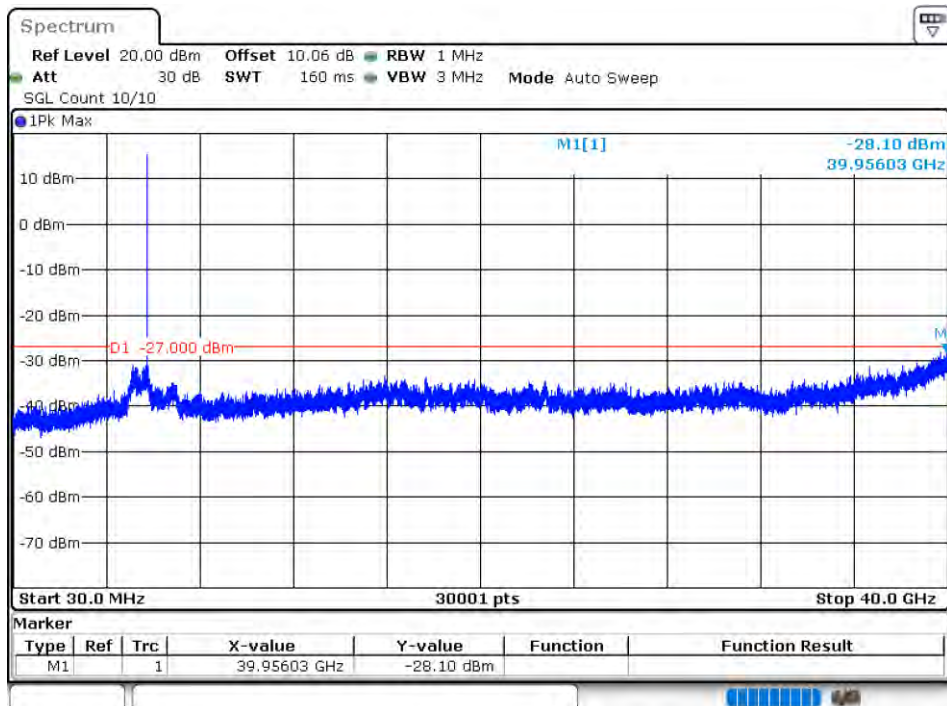
Tx. Spurious NVNT n20 5785MHz Ant1 Emission



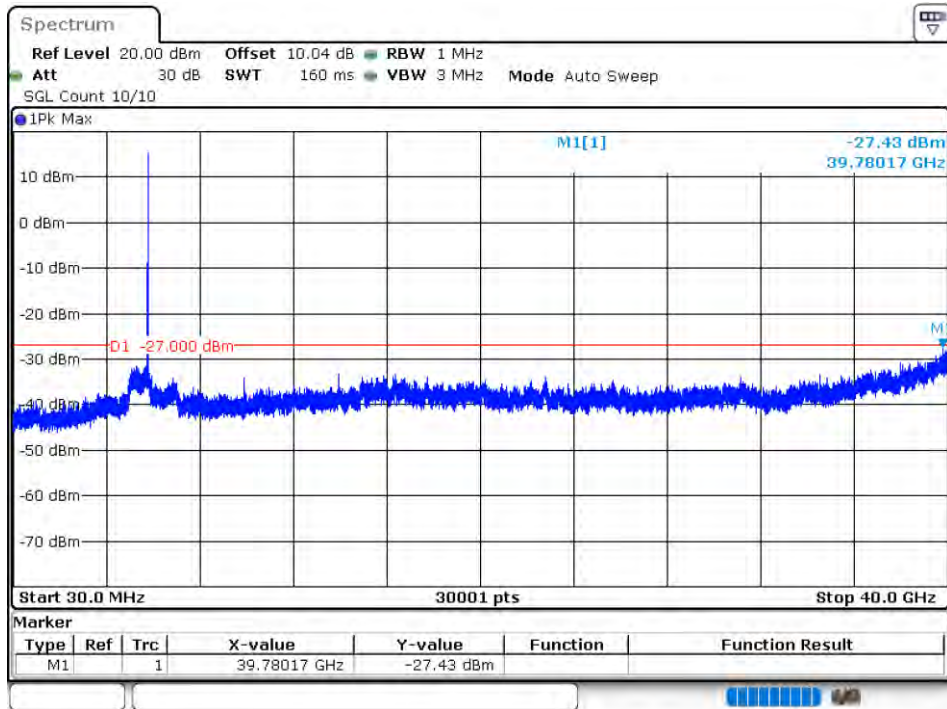
Tx. Spurious NVNT n20 5825MHz Ant1 Emission



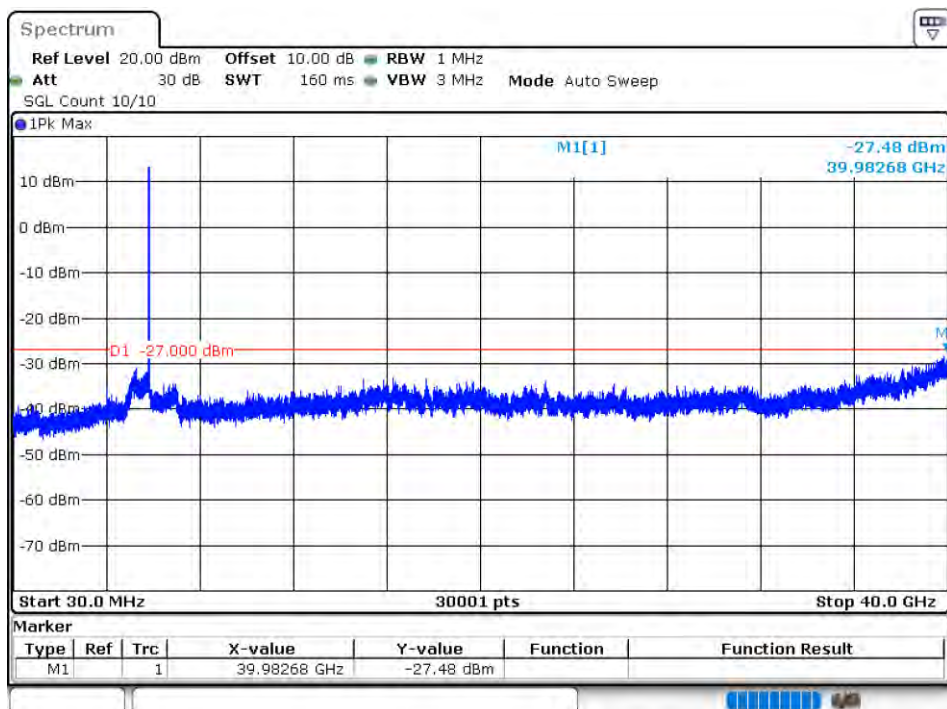
Tx. Spurious NVNT n20 5745MHz Ant2 Emission



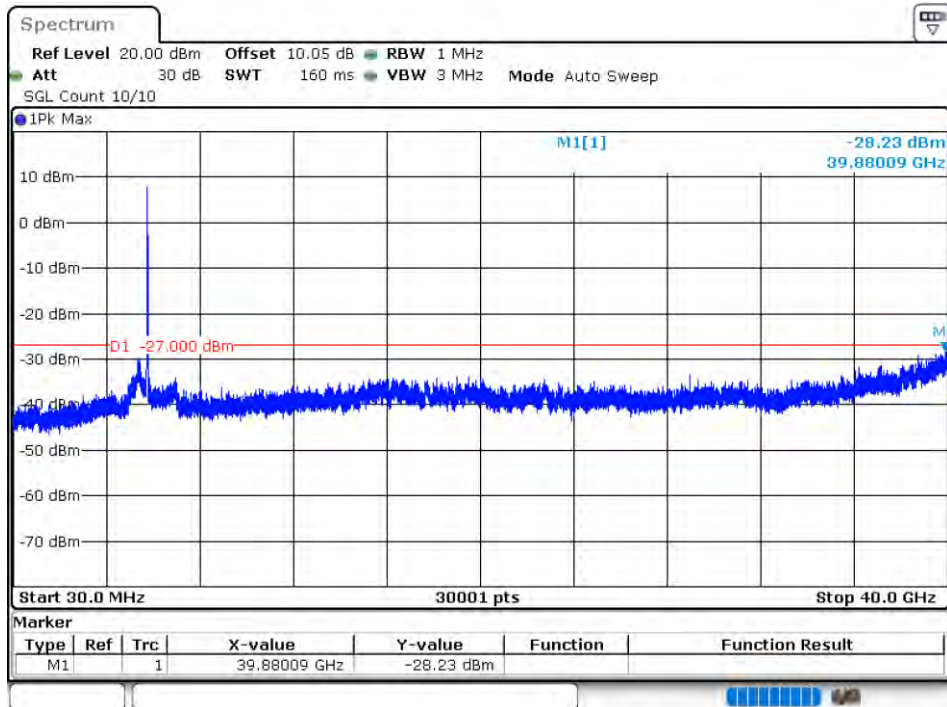
Tx. Spurious NVNT n20 5785MHz Ant2 Emission



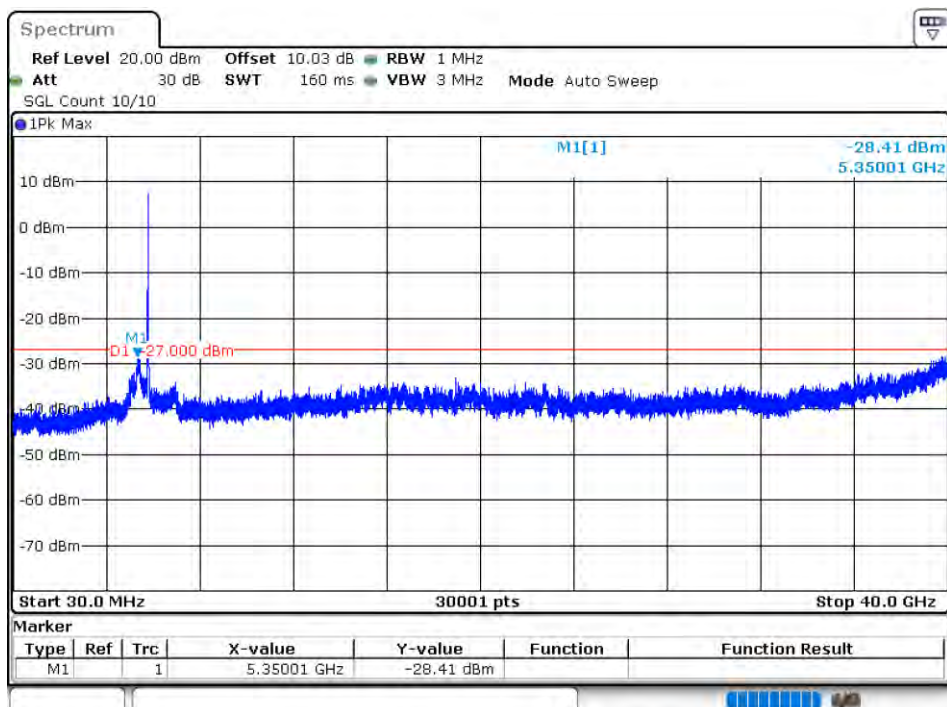
Tx. Spurious NVNT n20 5825MHz Ant2 Emission



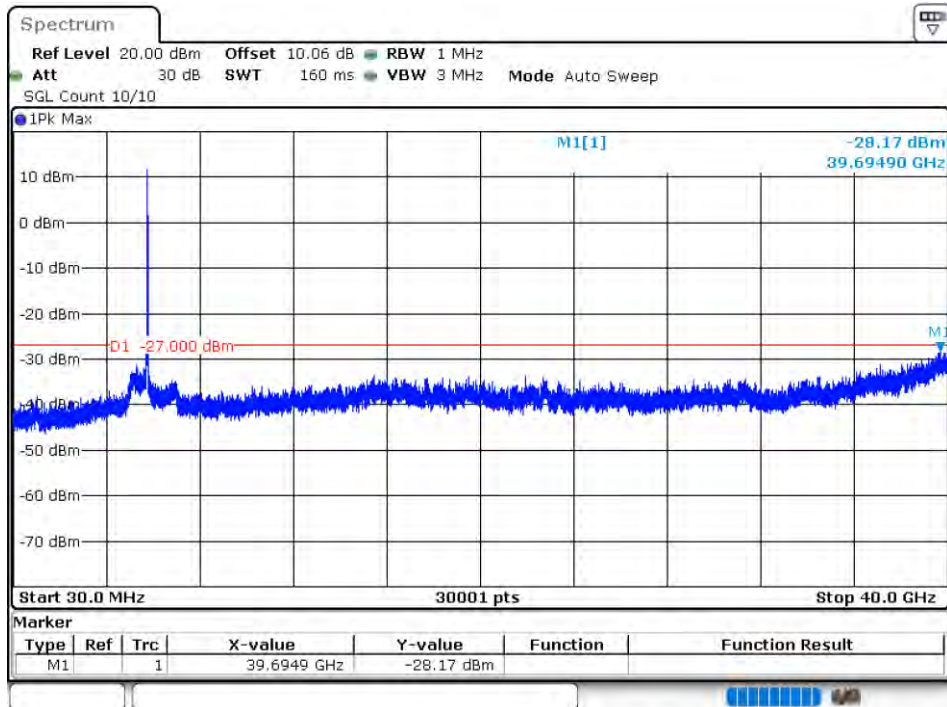
Tx. Spurious NVNT n40 5755MHz Ant1 Emission



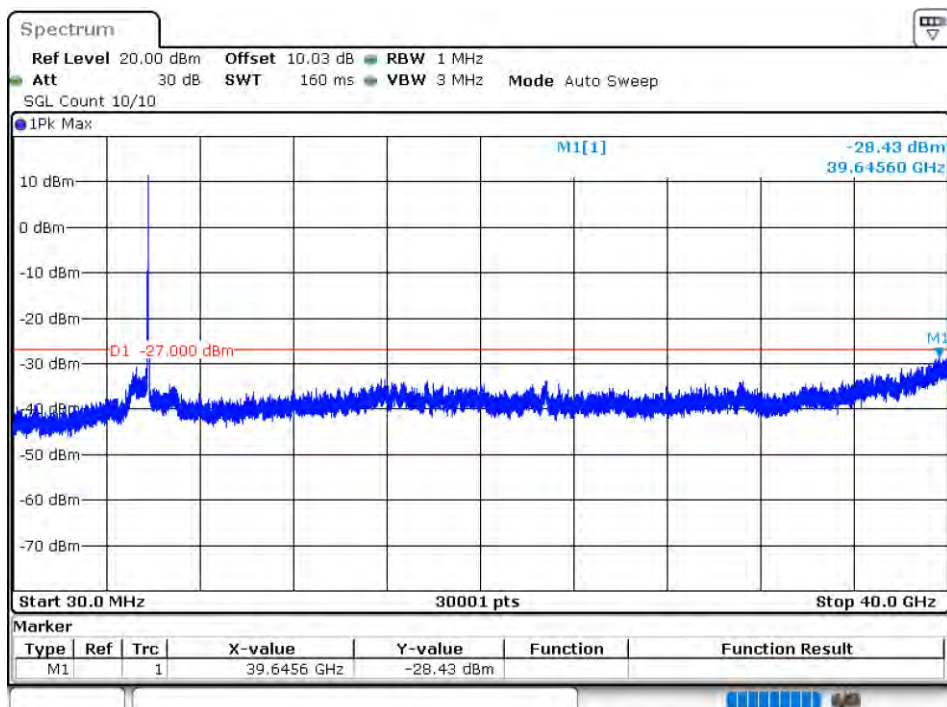
Tx. Spurious NVNT n40 5795MHz Ant1 Emission



Tx. Spurious NVNT n40 5755MHz Ant2 Emission



Tx. Spurious NVNT n40 5795MHz Ant2 Emission



5.8G-MIMO:

Maximum Conducted Output Power

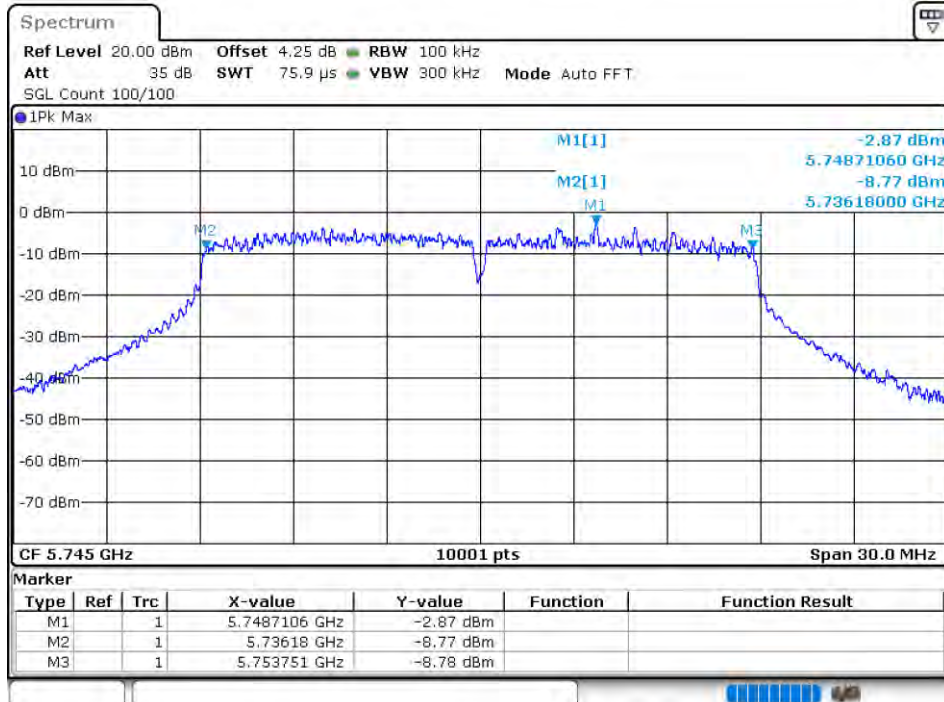
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	n20	5745	Ant1	11.2	--	Pass
NVNT	n20	5745	Ant2	11.35	--	Pass
NVNT	n20	5745	Sum	14.29	27.41	Pass
NVNT	n20	5785	Ant1	10.82	--	Pass
NVNT	n20	5785	Ant2	11.04	--	Pass
NVNT	n20	5785	Sum	13.94	27.41	Pass
NVNT	n20	5825	Ant1	10.28	--	Pass
NVNT	n20	5825	Ant2	10.62	--	Pass
NVNT	n20	5825	Sum	13.46	27.41	Pass
NVNT	n40	5755	Ant1	10.75	--	Pass
NVNT	n40	5755	Ant2	10.97	--	Pass
NVNT	n40	5755	Sum	13.87	27.41	Pass
NVNT	n40	5795	Ant1	10.54	--	Pass
NVNT	n40	5795	Ant2	10.82	--	Pass
NVNT	n40	5795	Sum	13.69	27.41	Pass

-6dB Bandwidth

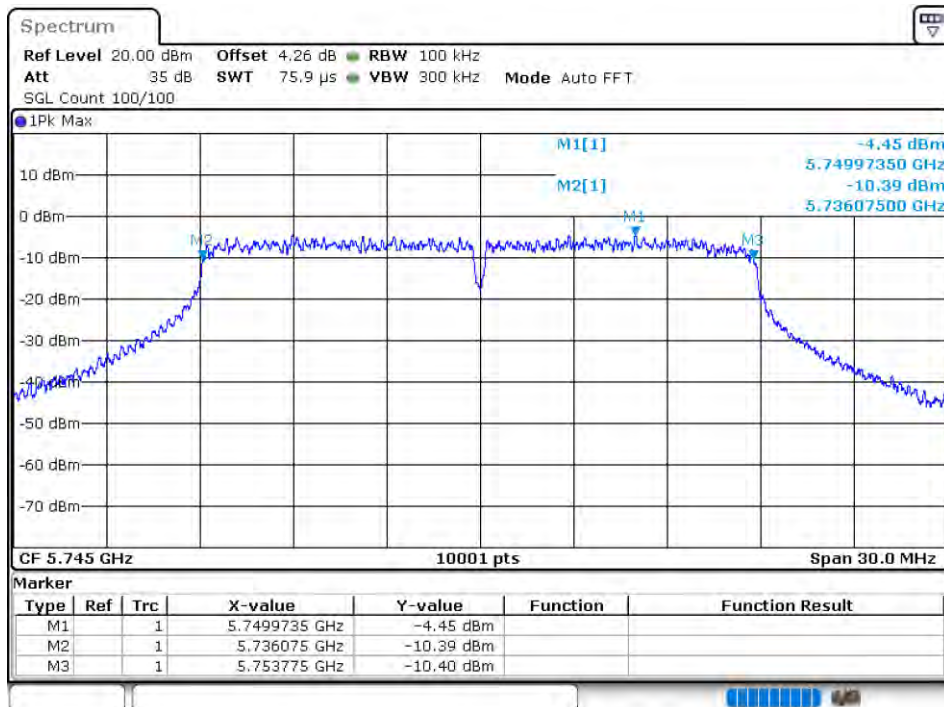
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	n20	5745	Ant1	17.571	0.5	Pass
NVNT	n20	5745	Ant2	17.7	0.5	Pass
NVNT	n20	5785	Ant1	17.604	0.5	Pass
NVNT	n20	5785	Ant2	17.604	0.5	Pass
NVNT	n20	5825	Ant1	17.55	0.5	Pass
NVNT	n20	5825	Ant2	16.944	0.5	Pass
NVNT	n40	5755	Ant1	35.694	0.5	Pass
NVNT	n40	5755	Ant2	35.694	0.5	Pass
NVNT	n40	5795	Ant1	35.706	0.5	Pass
NVNT	n40	5795	Ant2	35.718	0.5	Pass

Test Graphs

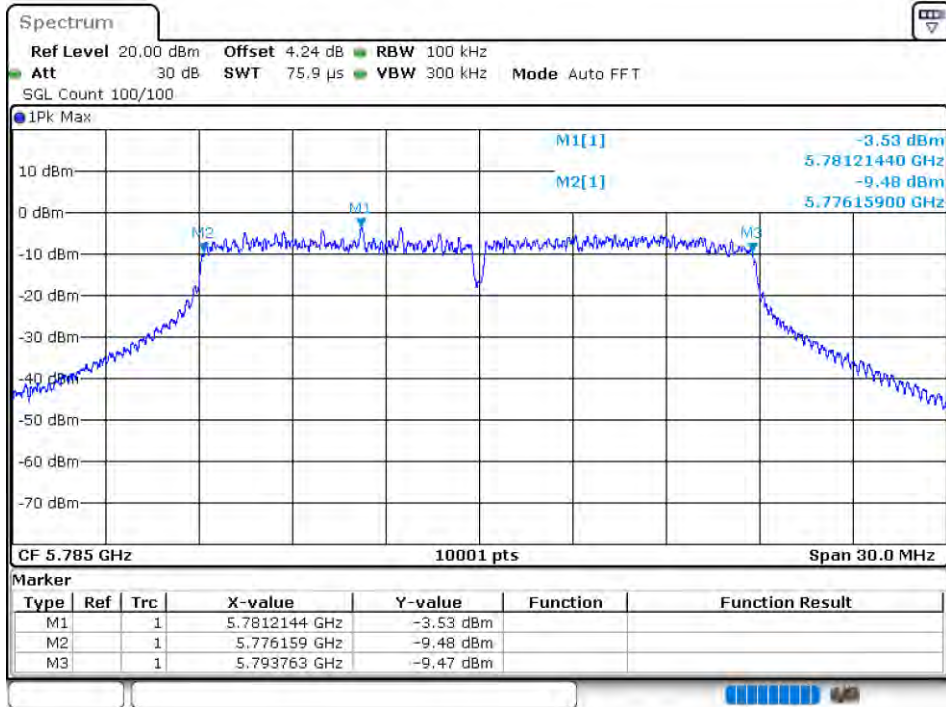
-6dB Bandwidth NVNT n20 5745MHz Ant1



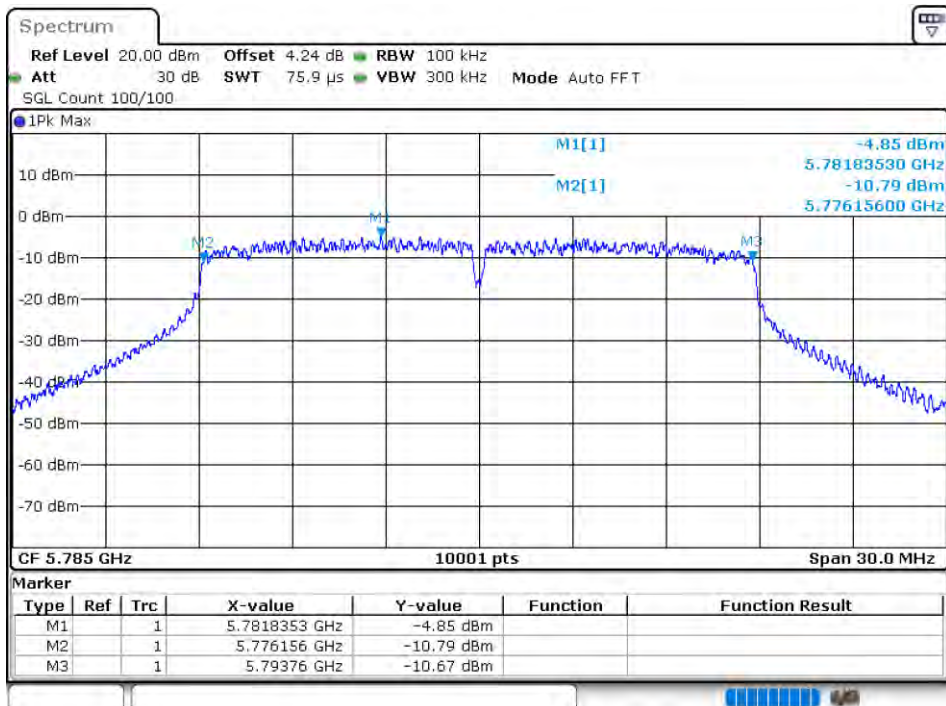
-6dB Bandwidth NVNT n20 5745MHz Ant2



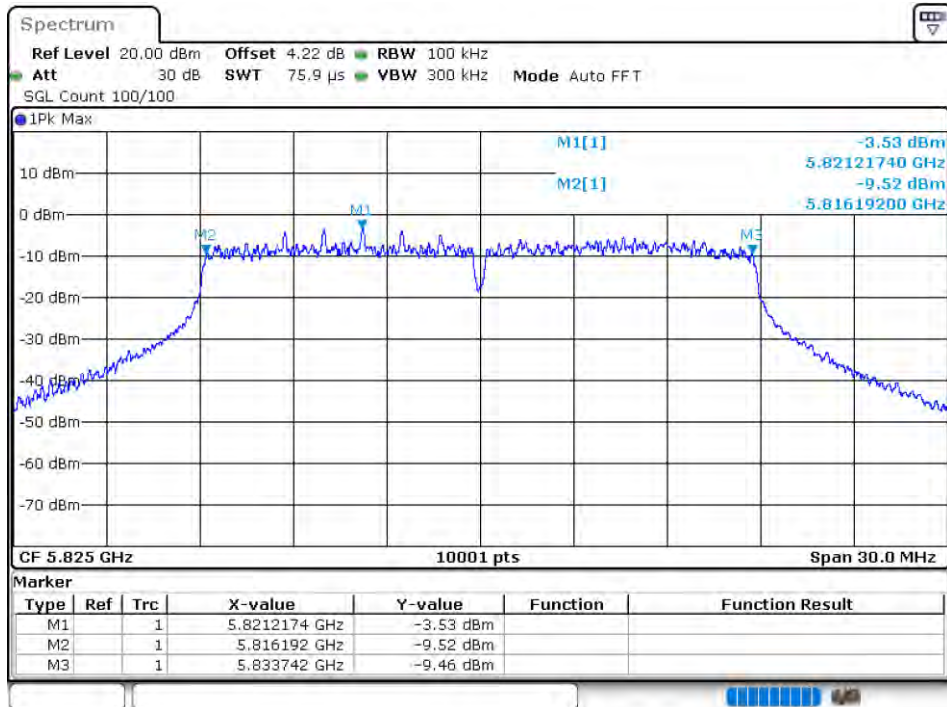
-6dB Bandwidth NVNT n20 5785MHz Ant1



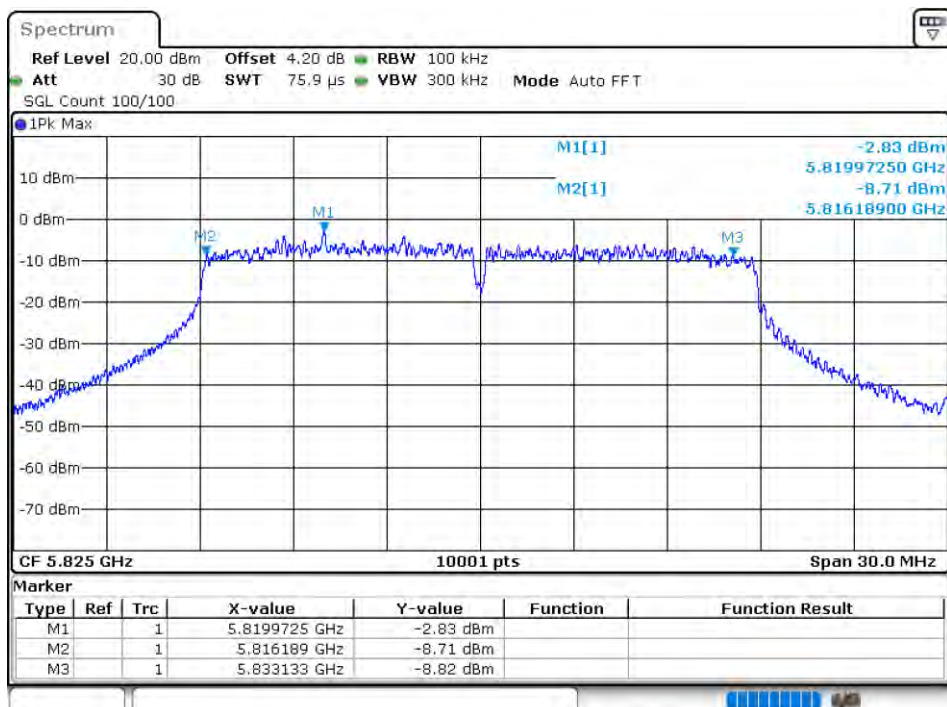
-6dB Bandwidth NVNT n20 5785MHz Ant2



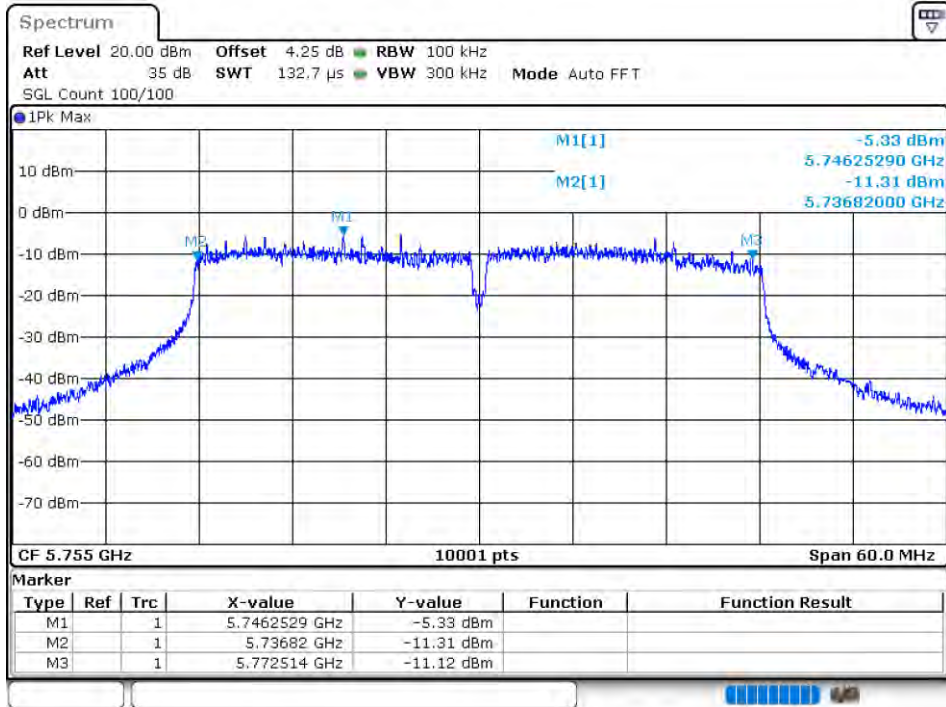
-6dB Bandwidth NVNT n20 5825MHz Ant1



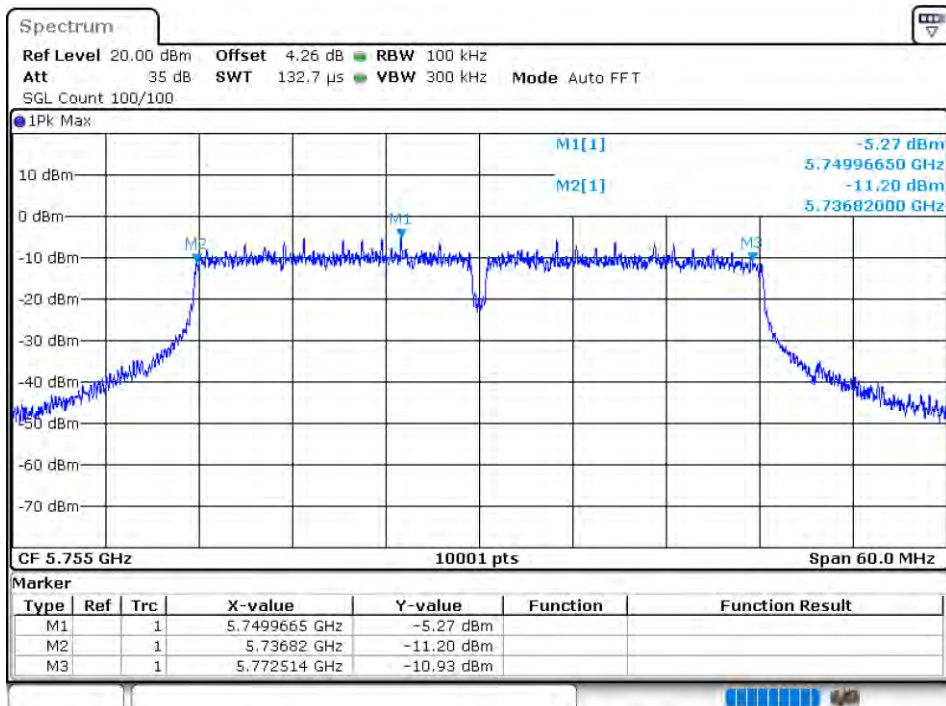
-6dB Bandwidth NVNT n20 5825MHz Ant2



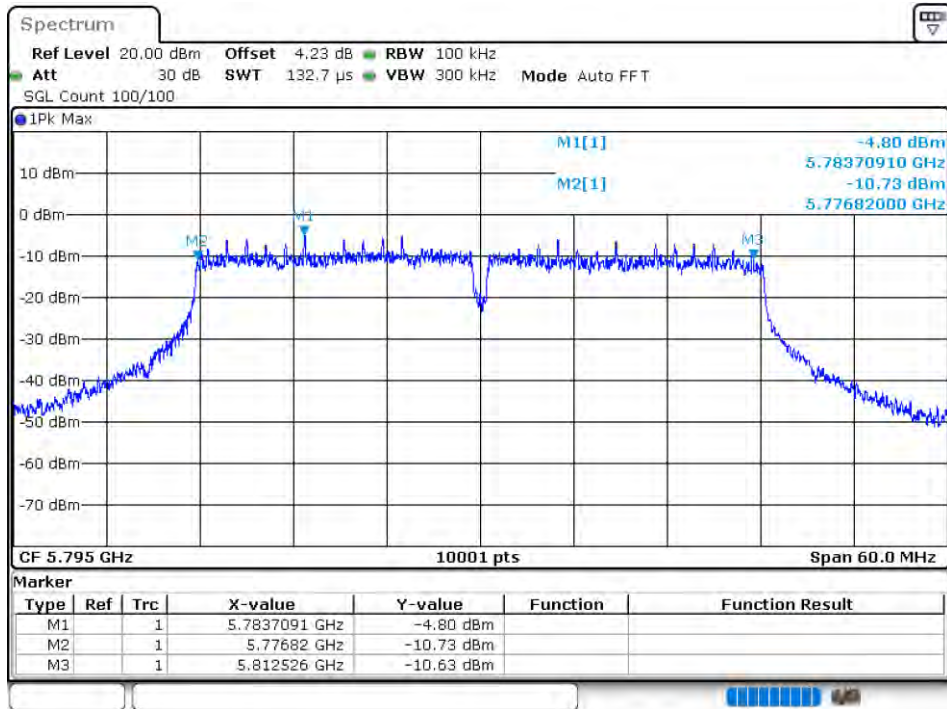
-6dB Bandwidth NVNT n40 5755MHz Ant1



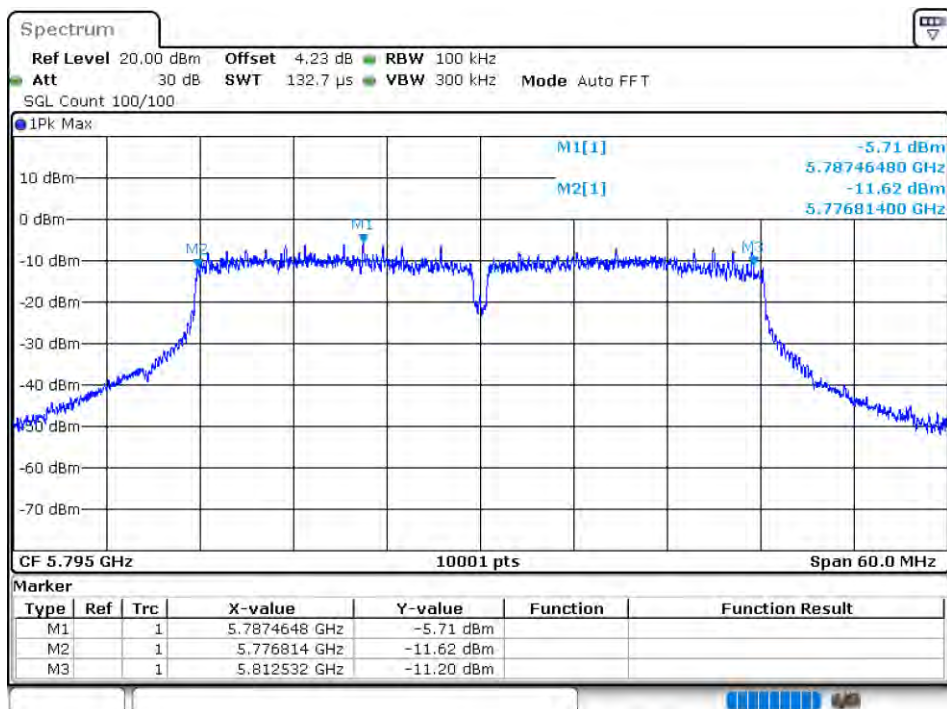
-6dB Bandwidth NVNT n40 5755MHz Ant2



-6dB Bandwidth NVNT n40 5795MHz Ant1



-6dB Bandwidth NVNT n40 5795MHz Ant2

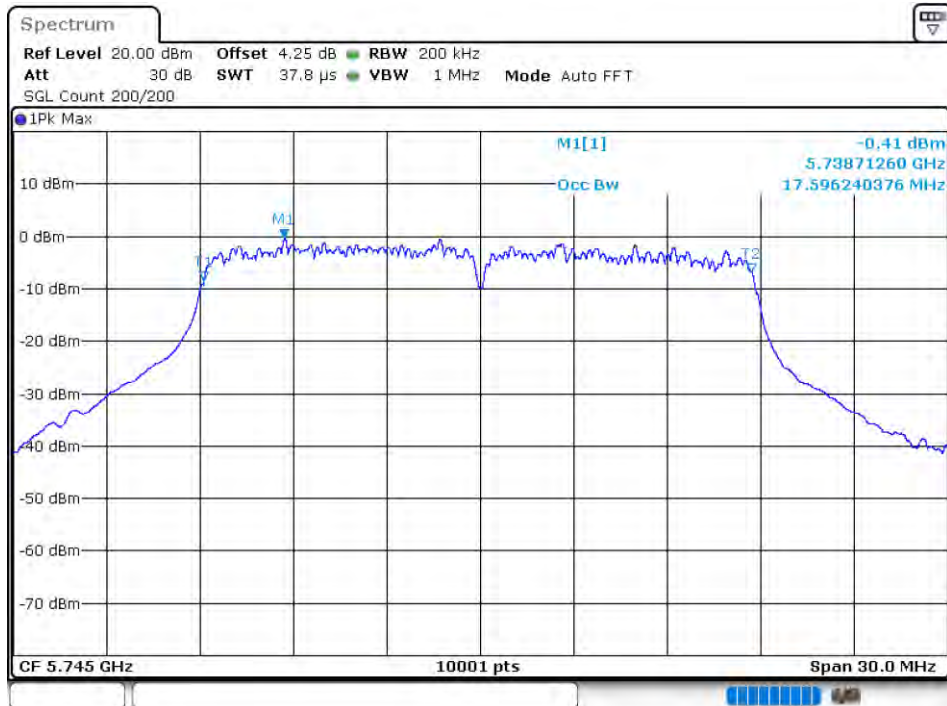


Occupied Channel Bandwidth

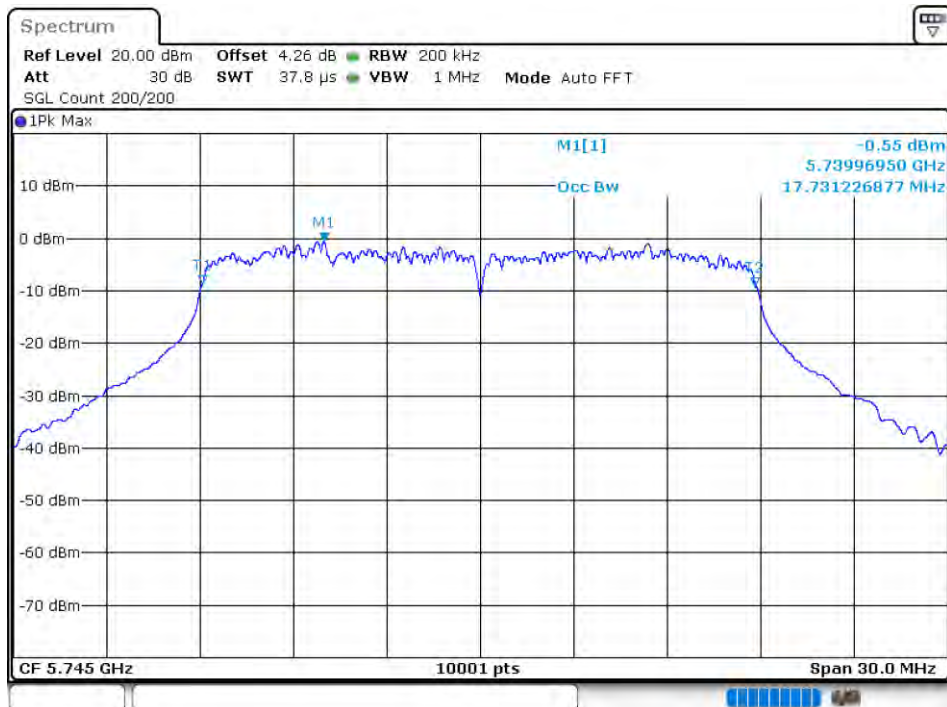
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	n20	5745	Ant1	17.596
NVNT	n20	5745	Ant2	17.731
NVNT	n20	5785	Ant1	17.746
NVNT	n20	5785	Ant2	17.635
NVNT	n20	5825	Ant1	17.707
NVNT	n20	5825	Ant2	17.575
NVNT	n40	5755	Ant1	36.5
NVNT	n40	5755	Ant2	36.476
NVNT	n40	5795	Ant1	36.674
NVNT	n40	5795	Ant2	36.362

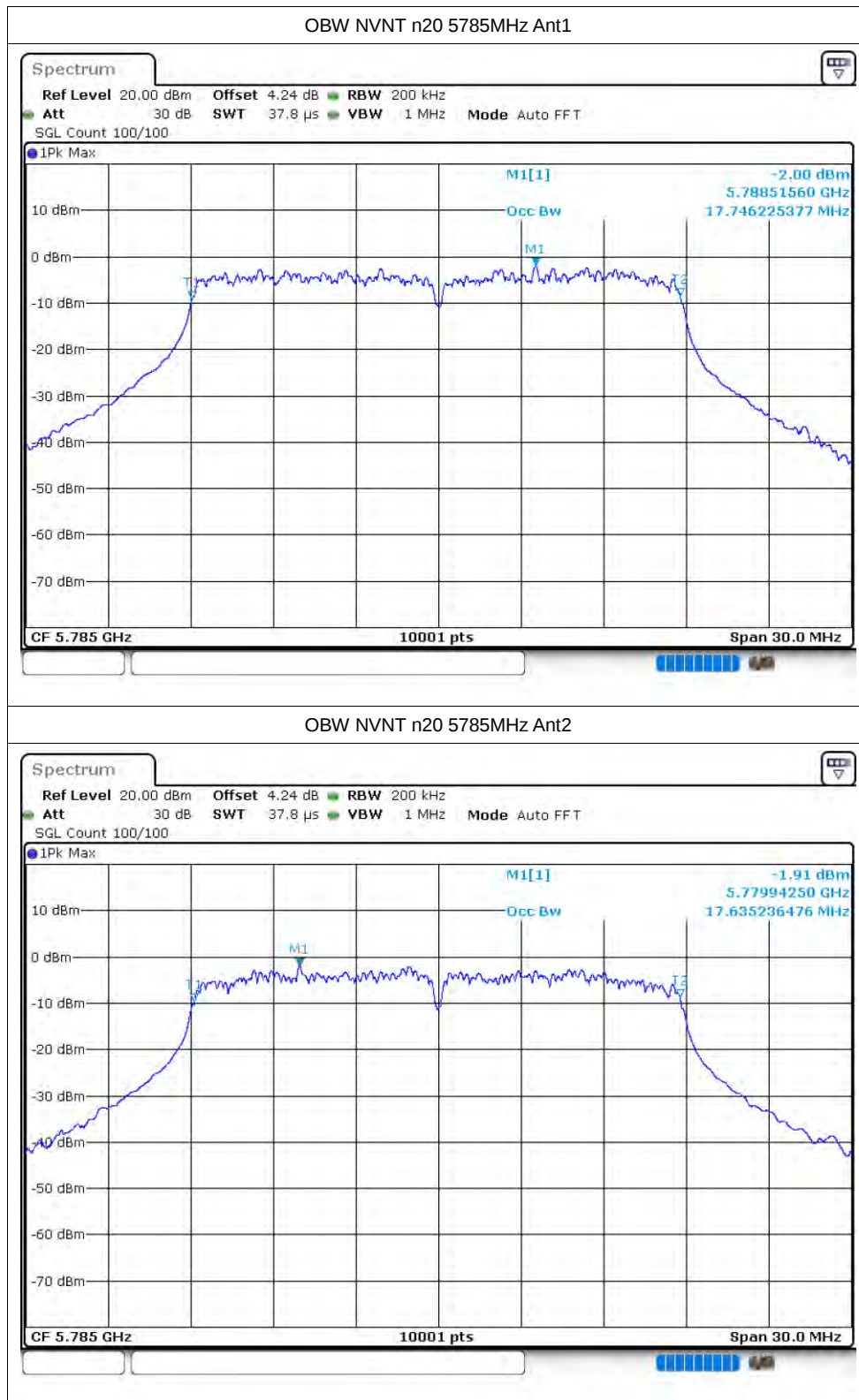
Test Graphs

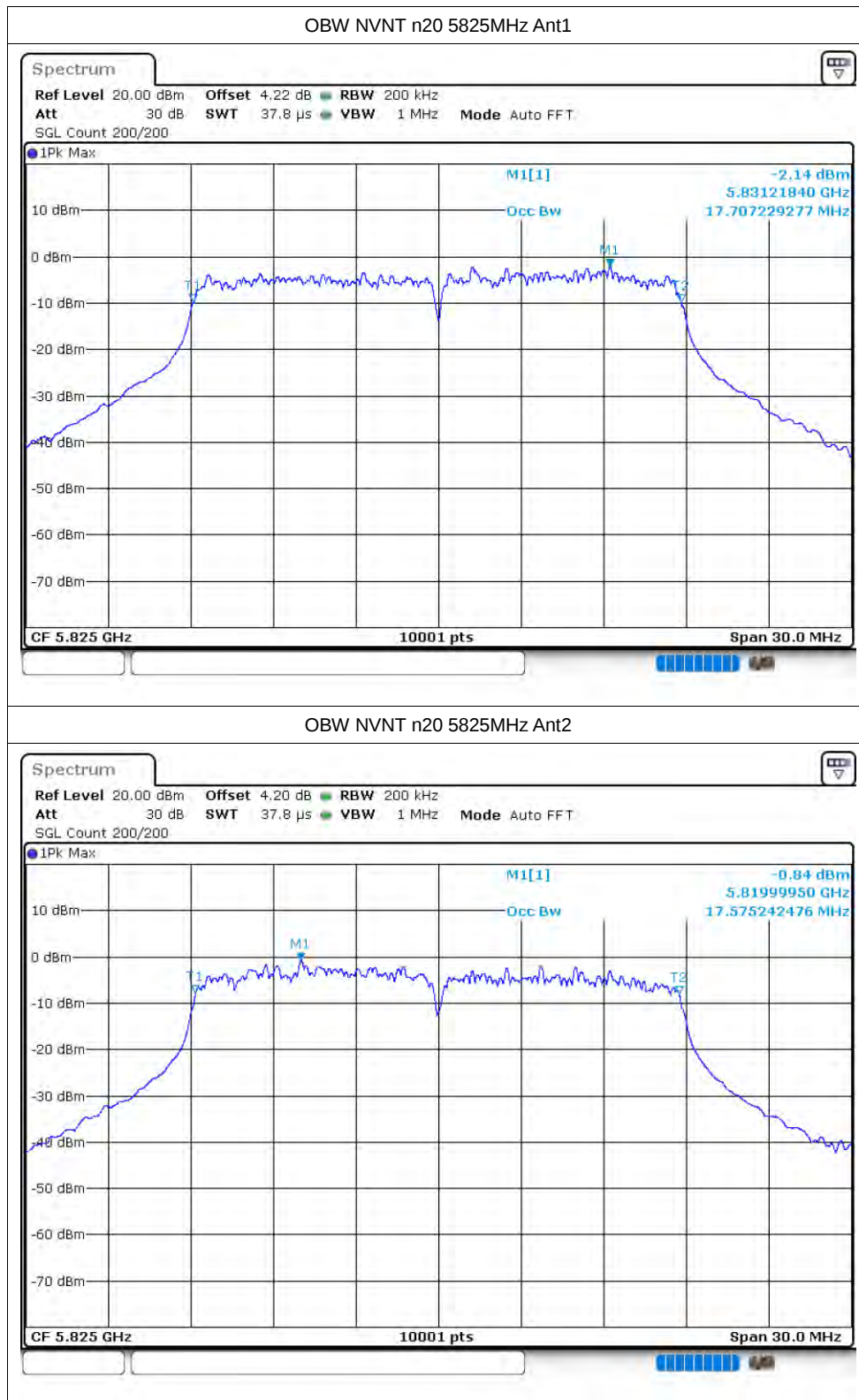
OBW NVNT n20 5745MHz Ant1

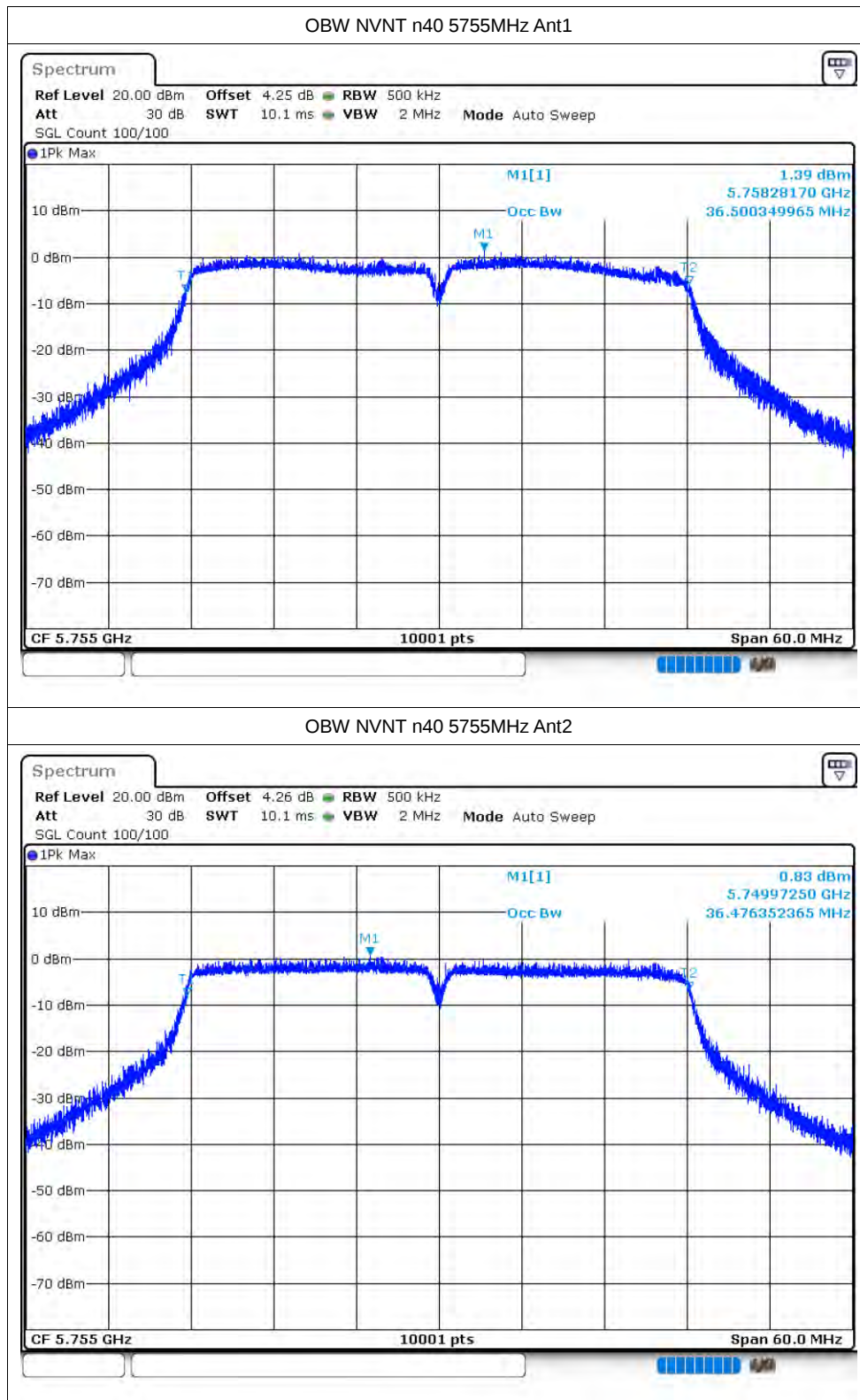


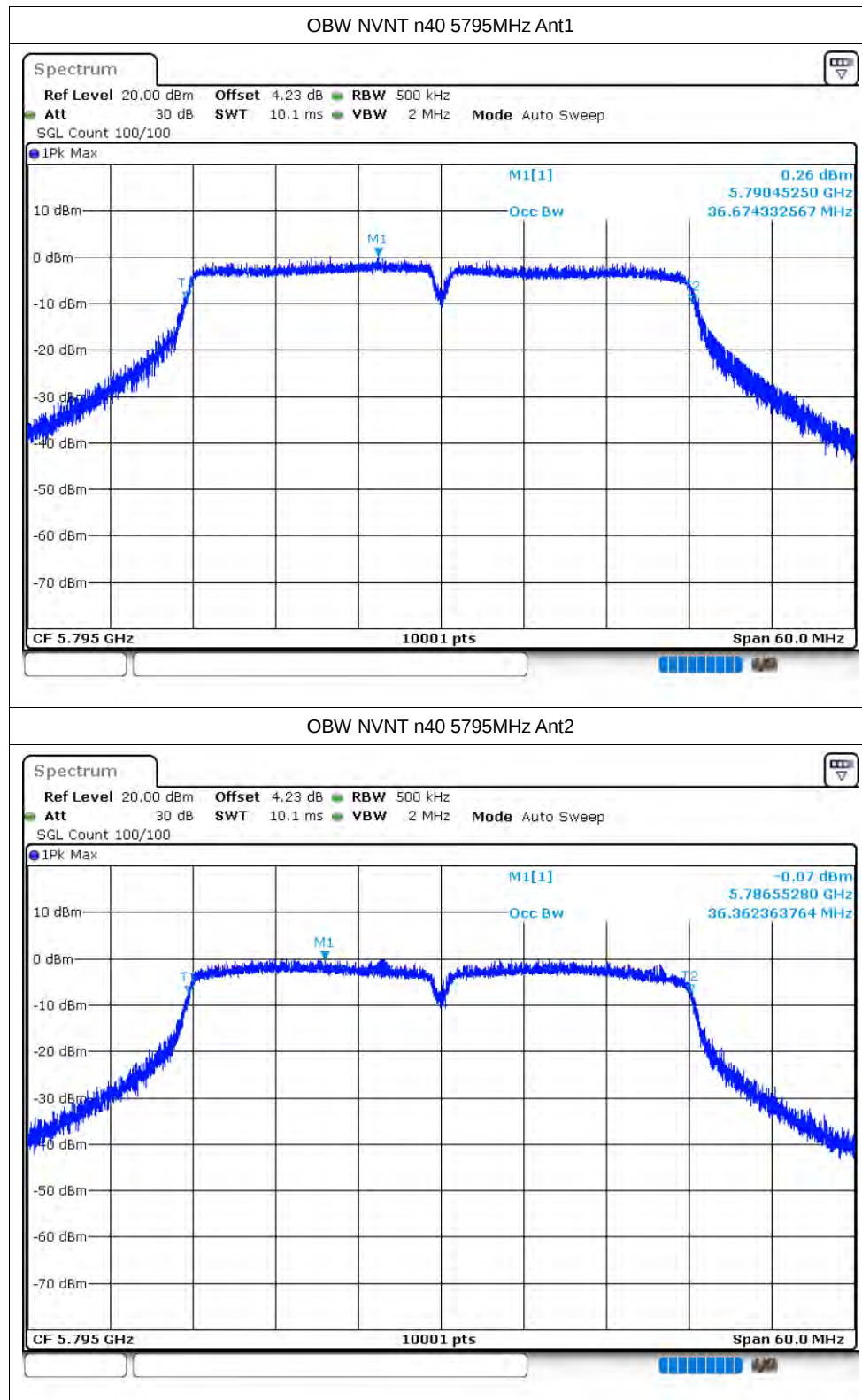
OBW NVNT n20 5745MHz Ant2









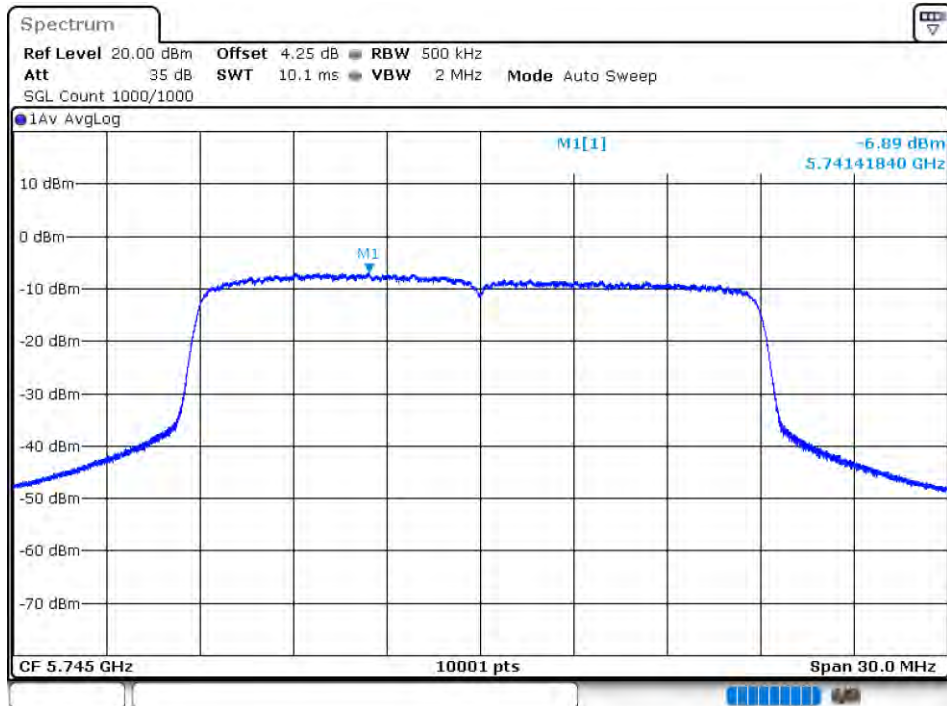


Maximum Power Spectral Density Level

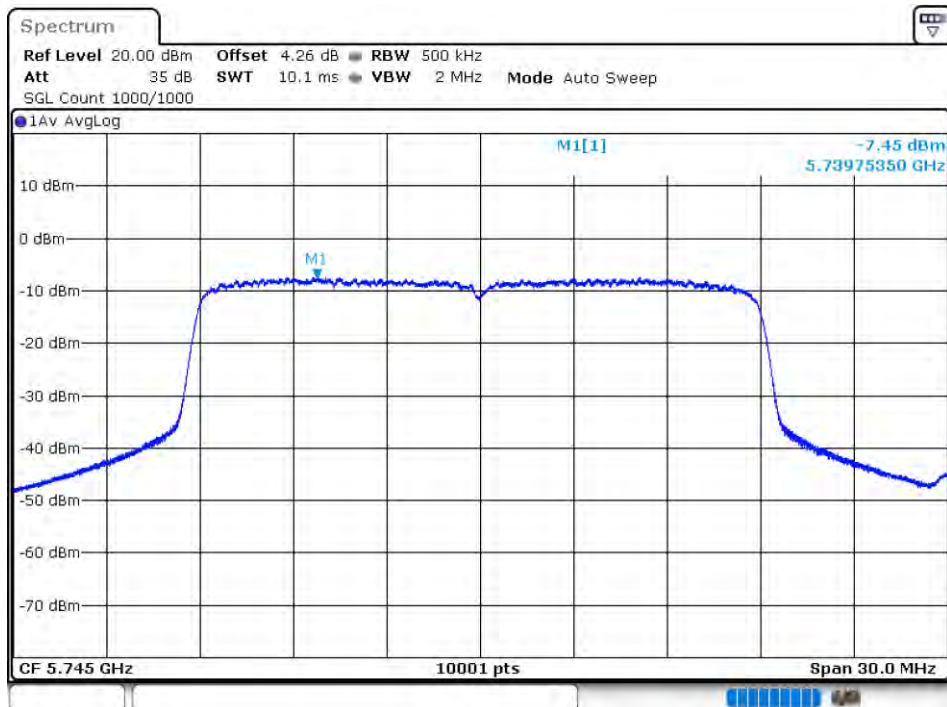
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	n20	5745	Ant1	-6.89	0.11	-6.78	--	Pass
NVNT	n20	5745	Ant2	-7.45	0.11	-7.34	--	Pass
NVNT	n20	5745	Sum			-4.04	27.41	Pass
NVNT	n20	5785	Ant1	-7.77	0.11	-7.66	--	Pass
NVNT	n20	5785	Ant2	-7.82	0.11	-7.71	--	Pass
NVNT	n20	5785	Sum			-4.37	27.41	Pass
NVNT	n20	5825	Ant1	-8.8	0.11	-8.69	--	Pass
NVNT	n20	5825	Ant2	-7.91	0.11	-7.8	--	Pass
NVNT	n20	5825	Sum			-5.21	27.41	Pass
NVNT	n40	5755	Ant1	-10.61	0.15	-10.46	--	Pass
NVNT	n40	5755	Ant2	-11.16	0.15	-11.01	--	Pass
NVNT	n40	5755	Sum			-7.72	27.41	Pass
NVNT	n40	5795	Ant1	-11.6	0.15	-11.45	--	Pass
NVNT	n40	5795	Ant2	-11.21	0.15	-11.06	--	Pass
NVNT	n40	5795	Sum			-8.24	27.41	Pass

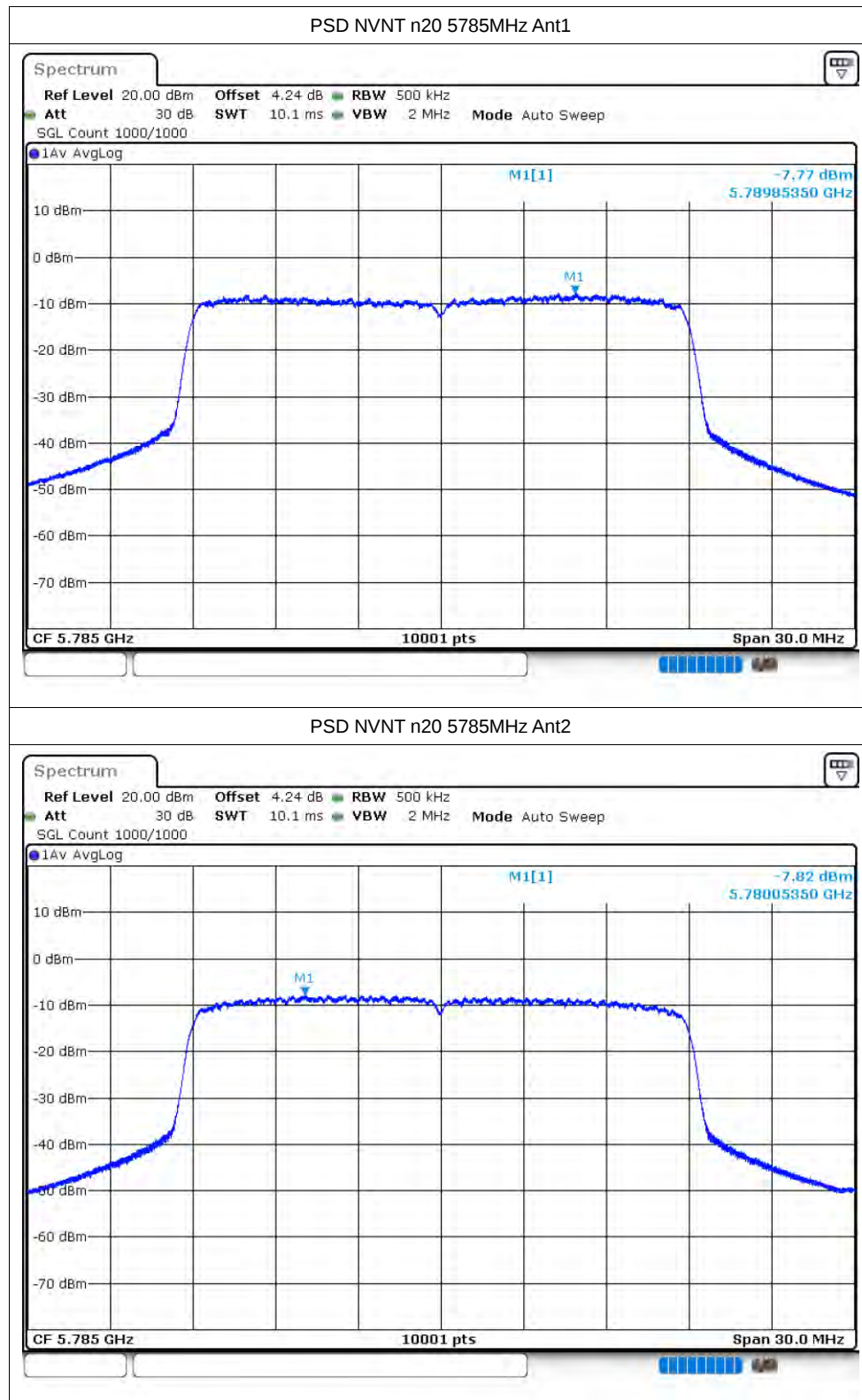
Test Graphs

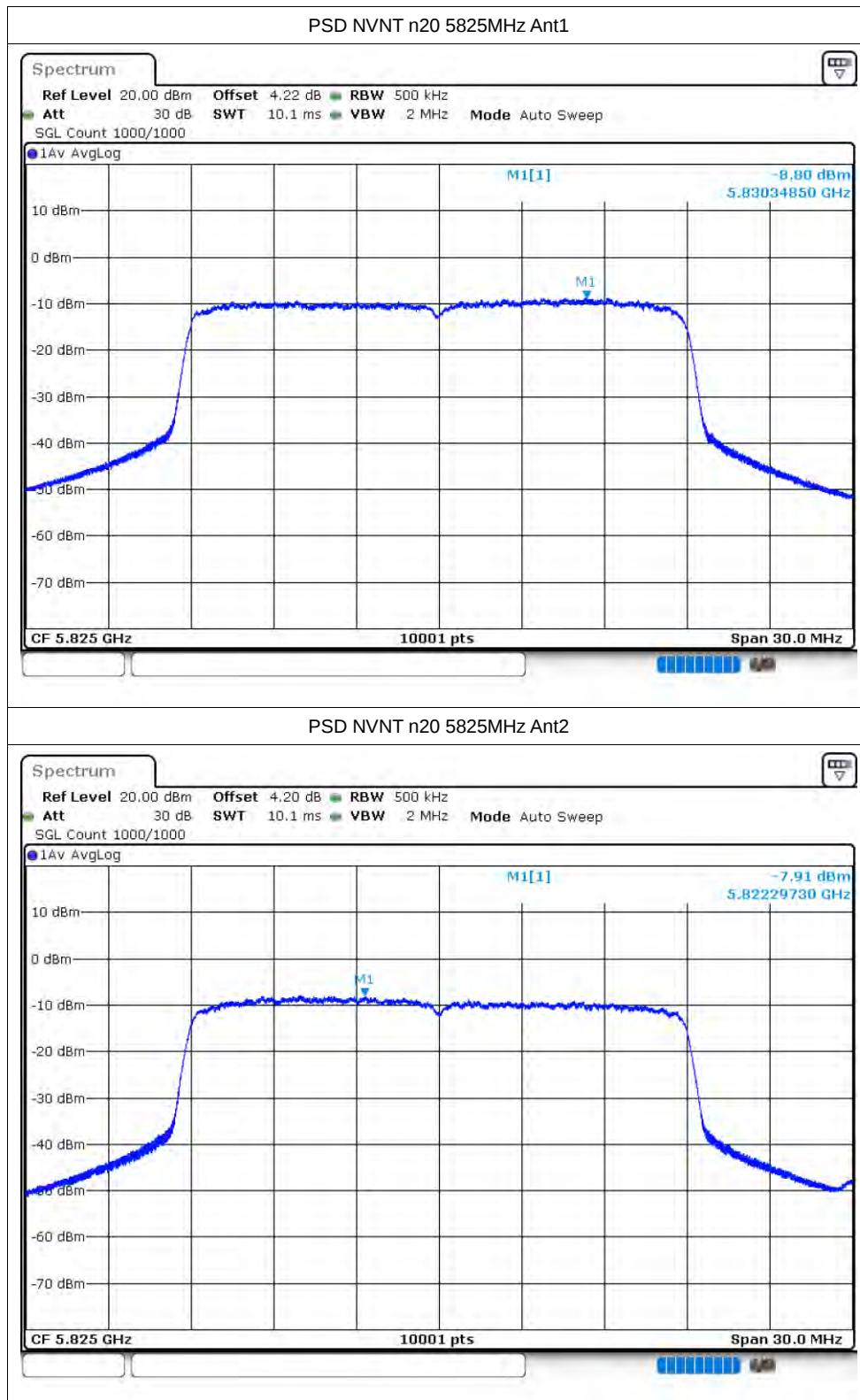
PSD NVNT n20 5745MHz Ant1

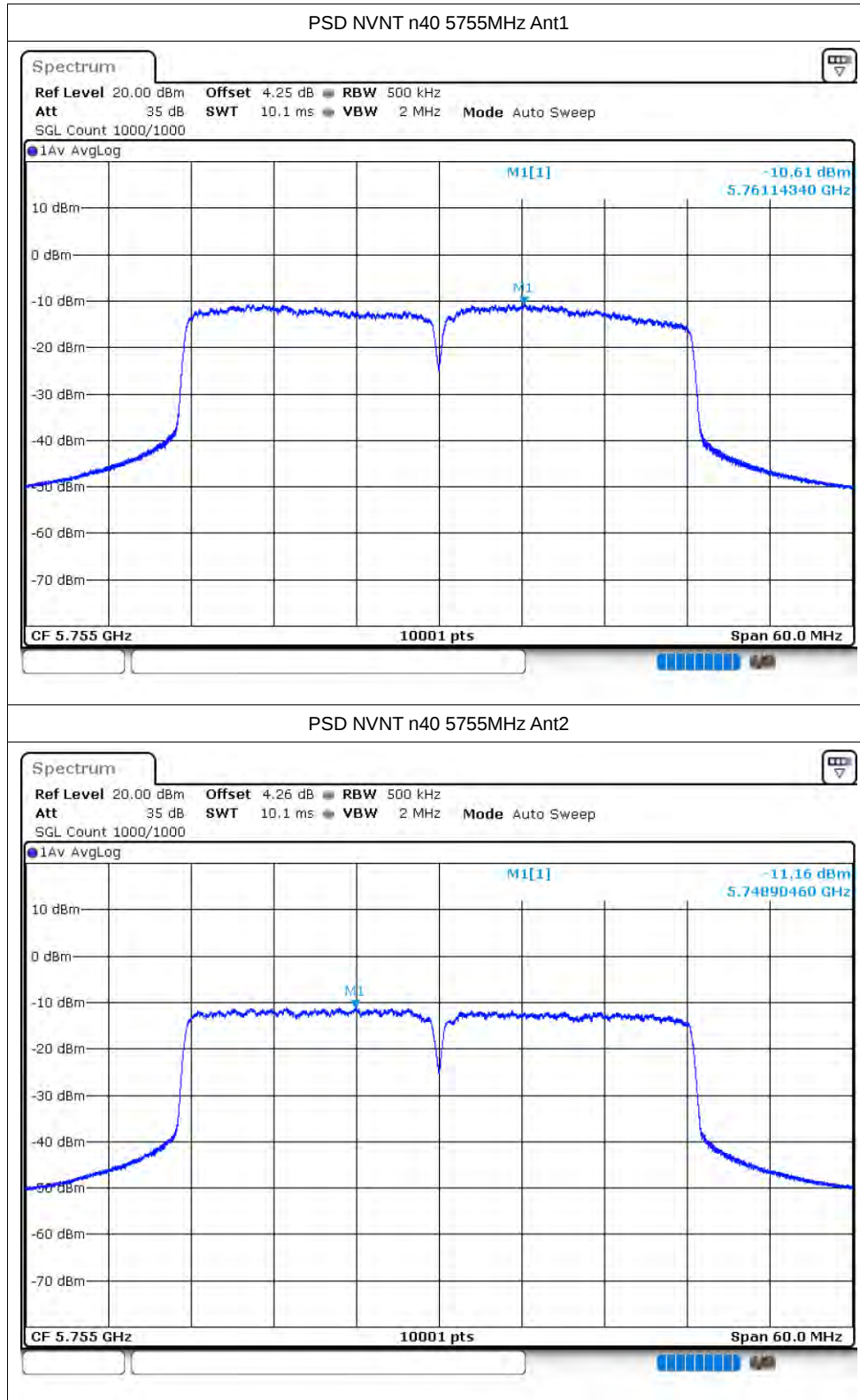


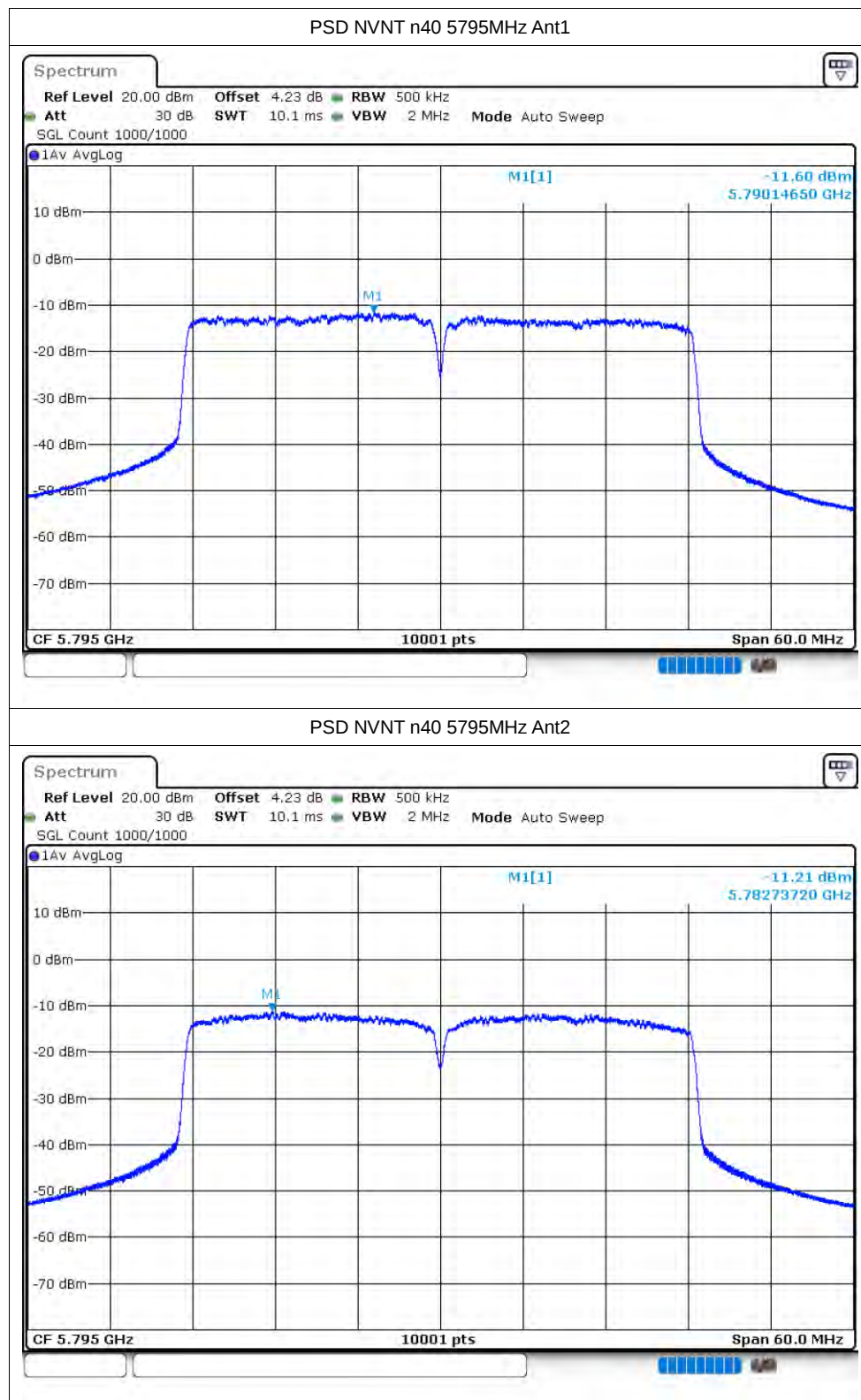
PSD NVNT n20 5745MHz Ant2











Band Edge

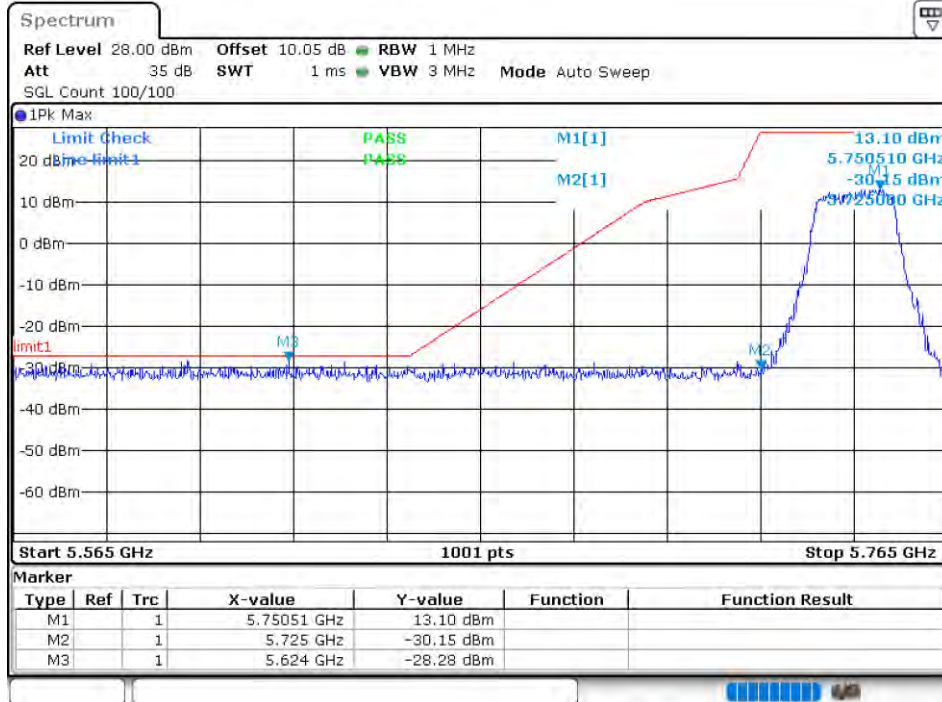
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	n20	5745	Ant1	-28.27	Pass
NVNT	n20	5745	Ant2	-29.01	Pass
NVNT	n20	5825	Ant1	-28.99	Pass
NVNT	n20	5825	Ant2	-29.17	Pass
NVNT	n40	5755	Ant1	-26.59	Pass
NVNT	n40	5755	Ant2	-22.92	Pass
NVNT	n40	5795	Ant1	-27.88	Pass
NVNT	n40	5795	Ant2	-29.22	Pass

Note: 1) This test has increased antenna gain .

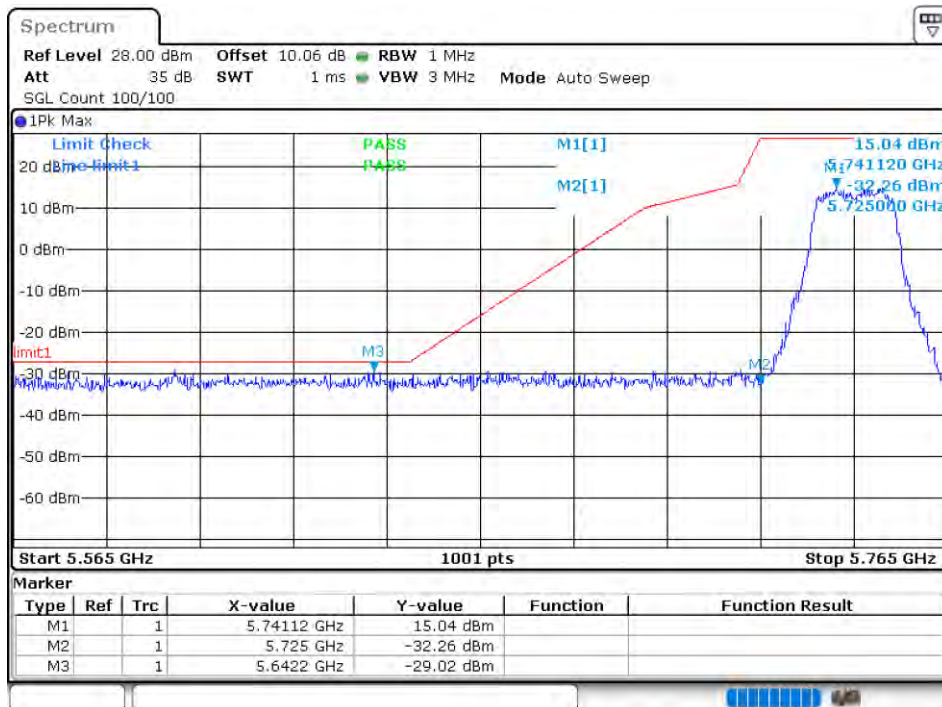
2) The ANT 1& ANT 2 both has 3dB margin below the limit, so the MIMO mode is passed.

Test Graphs

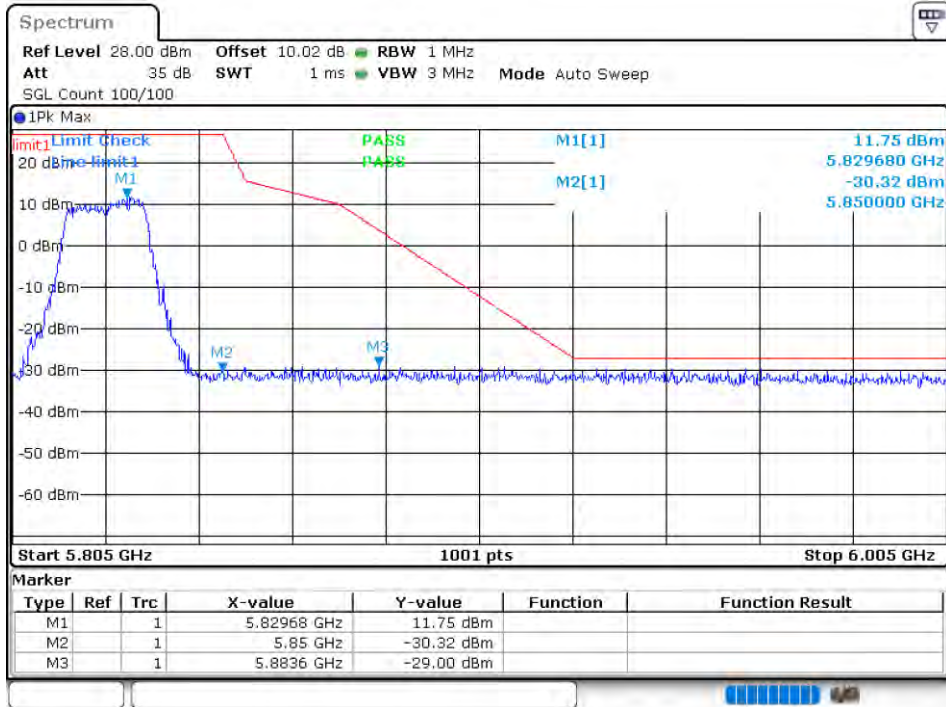
Band Edge NVNT n20 5745MHz Low Ant1



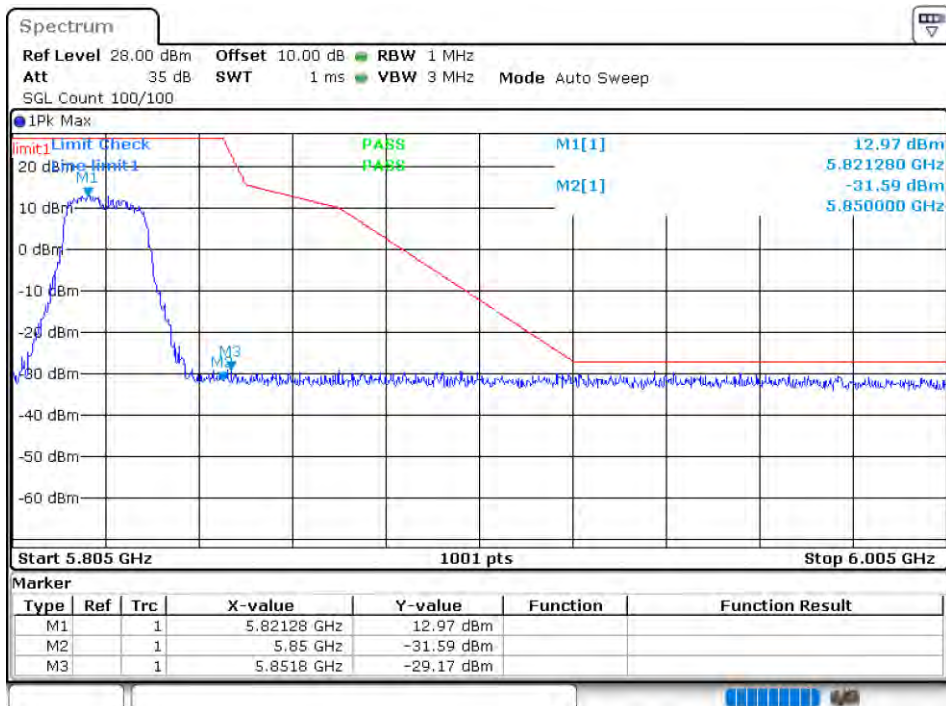
Band Edge NVNT n20 5745MHz Low Ant2



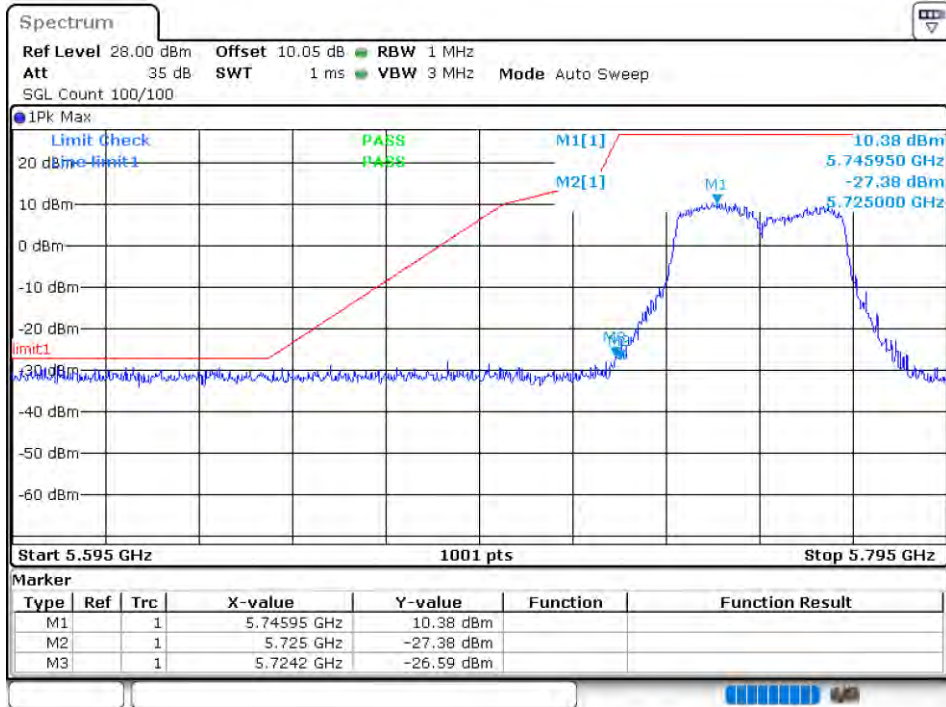
Band Edge NVNT n20 5825MHz High Ant1



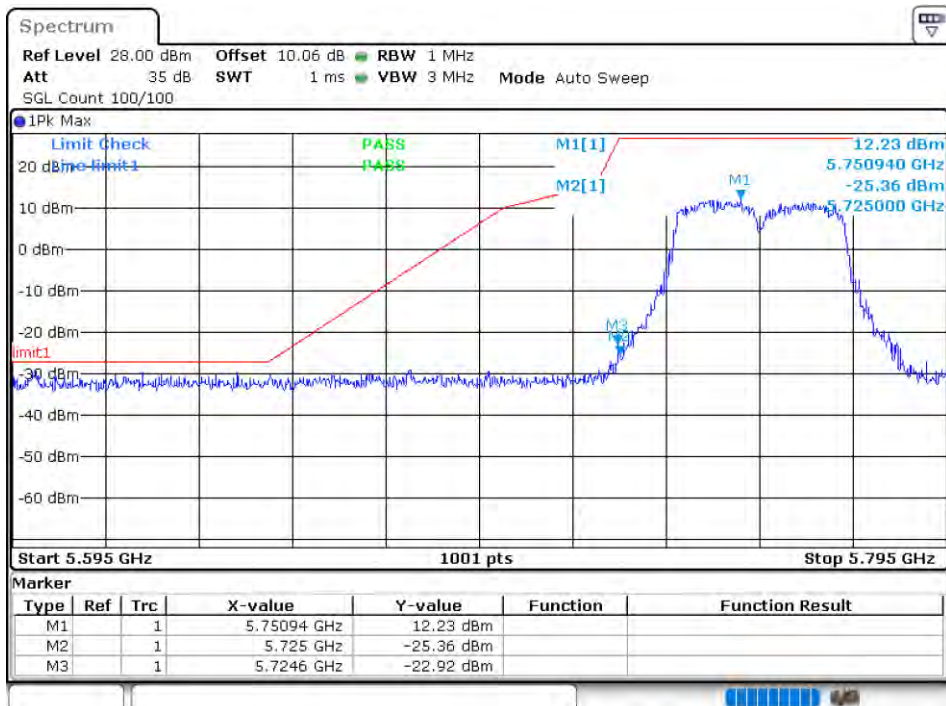
Band Edge NVNT n20 5825MHz High Ant2



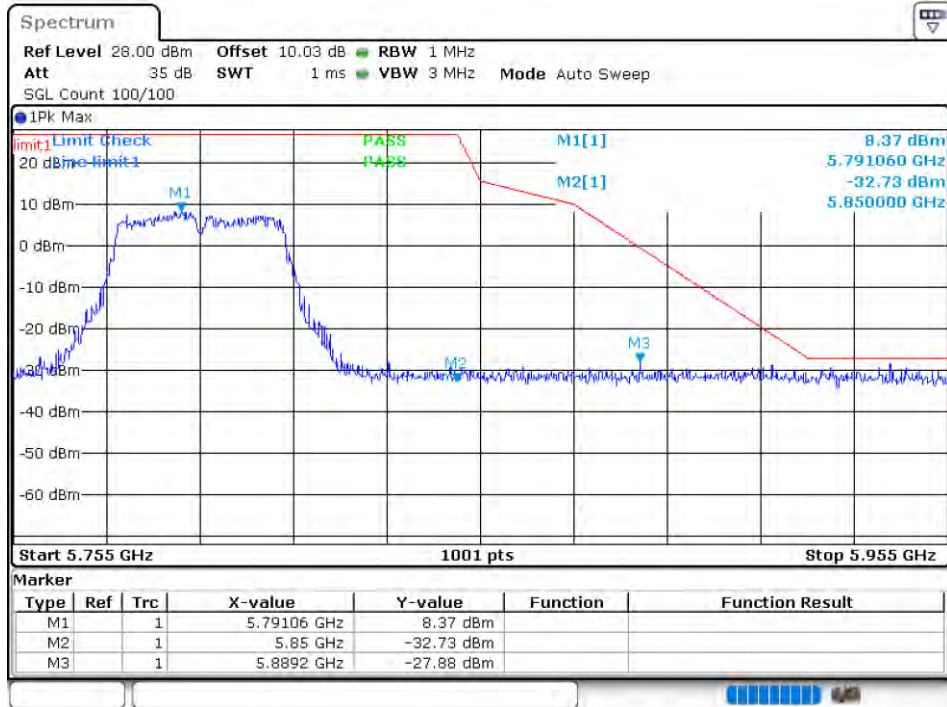
Band Edge NVNT n40 5755MHz Low Ant1



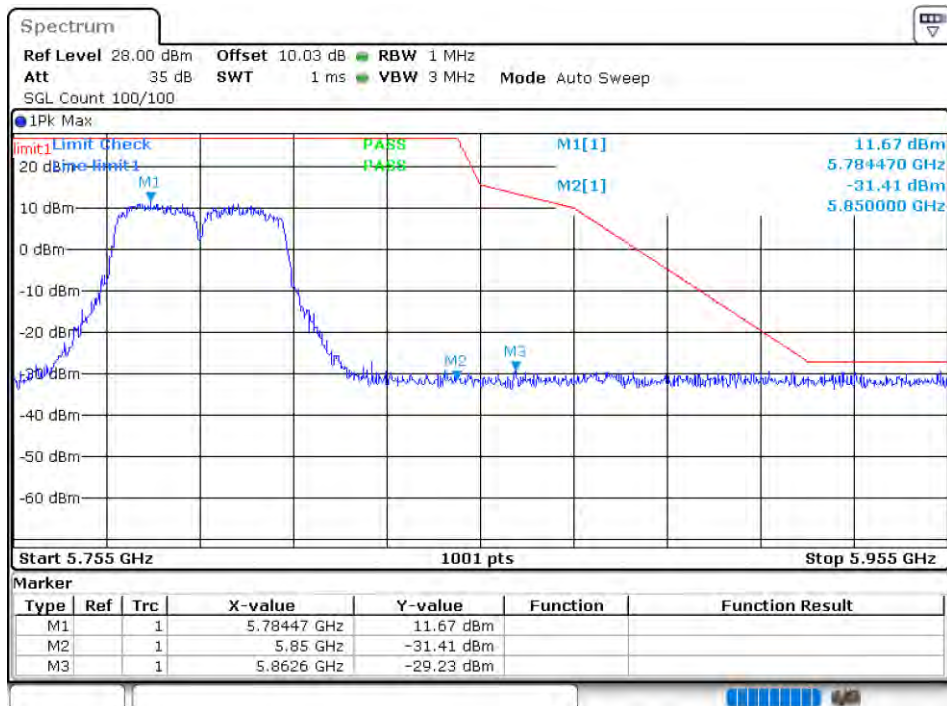
Band Edge NVNT n40 5755MHz Low Ant2



Band Edge NVNT n40 5795MHz High Ant1



Band Edge NVNT n40 5795MHz High Ant2



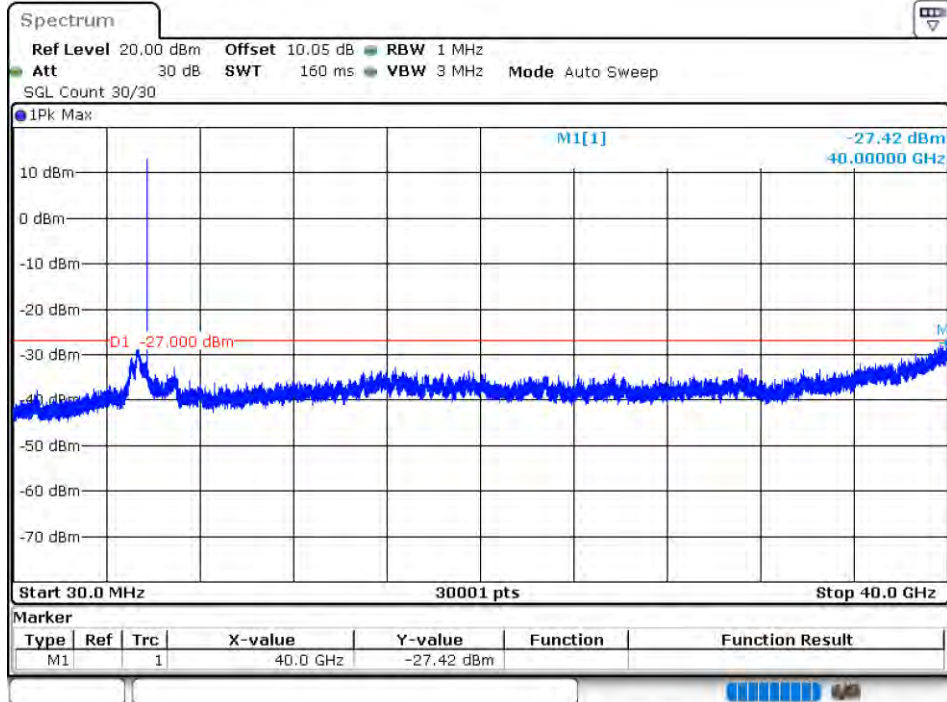
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	n20	5745	Ant1	-27.41	-27	Pass
NVNT	n20	5745	Ant2	-27.31	-27	Pass
NVNT	n20	5785	Ant1	-27.8	-27	Pass
NVNT	n20	5785	Ant2	-28.39	-27	Pass
NVNT	n20	5825	Ant1	-27.76	-27	Pass
NVNT	n20	5825	Ant2	-28.09	-27	Pass
NVNT	n40	5755	Ant1	-27.5	-27	Pass
NVNT	n40	5755	Ant2	-28.49	-27	Pass
NVNT	n40	5795	Ant1	-27.27	-27	Pass
NVNT	n40	5795	Ant2	-28.86	-27	Pass

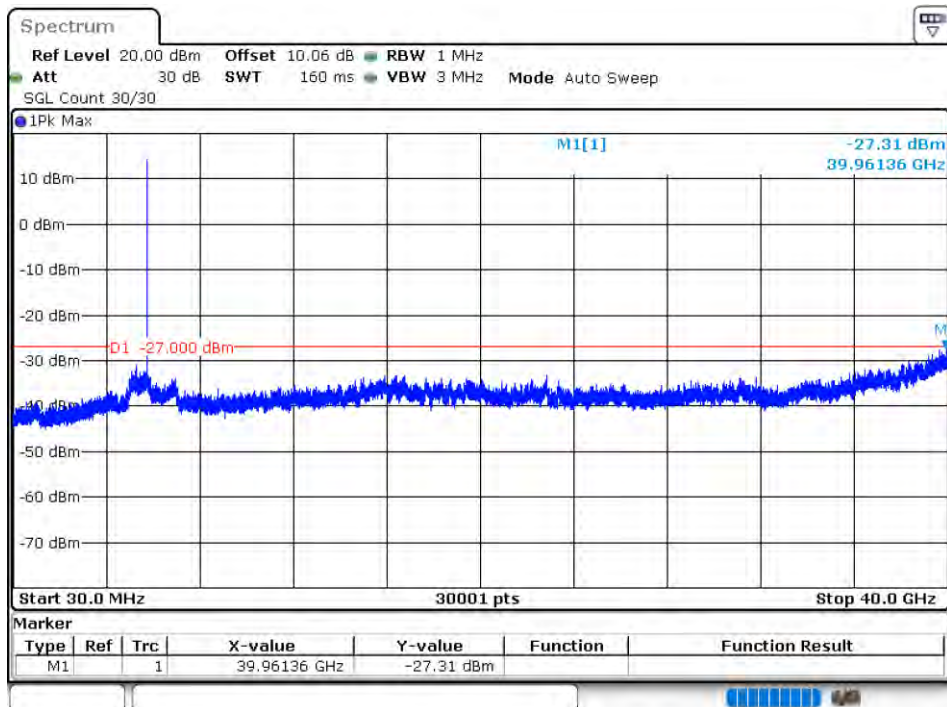
Note: This test has increased antenna gain .

Test Graphs

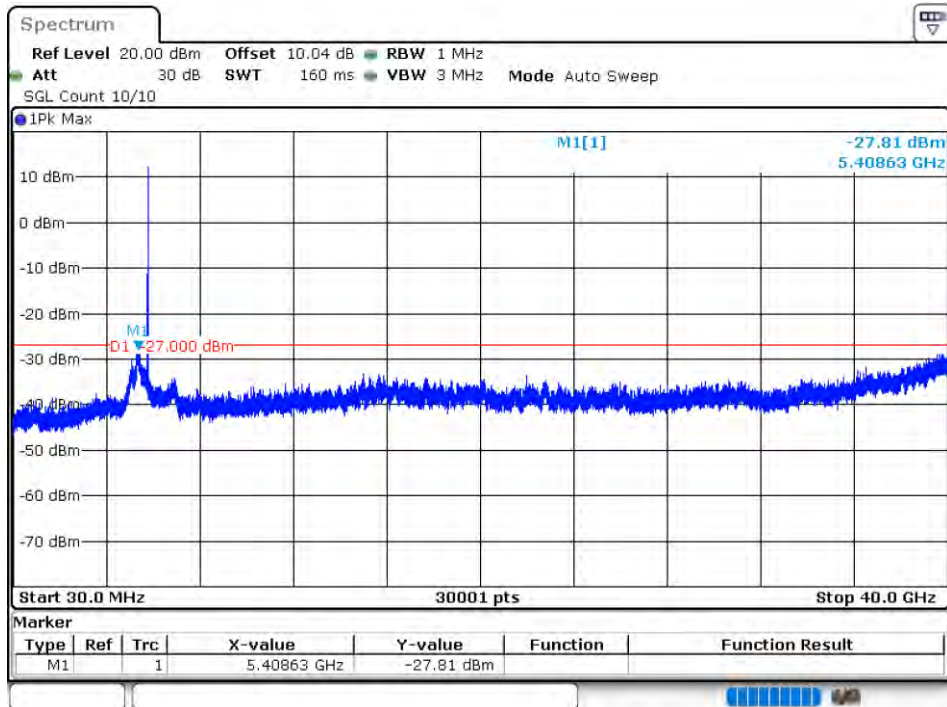
Tx. Spurious NVNT n20 5745MHz Ant1 Emission



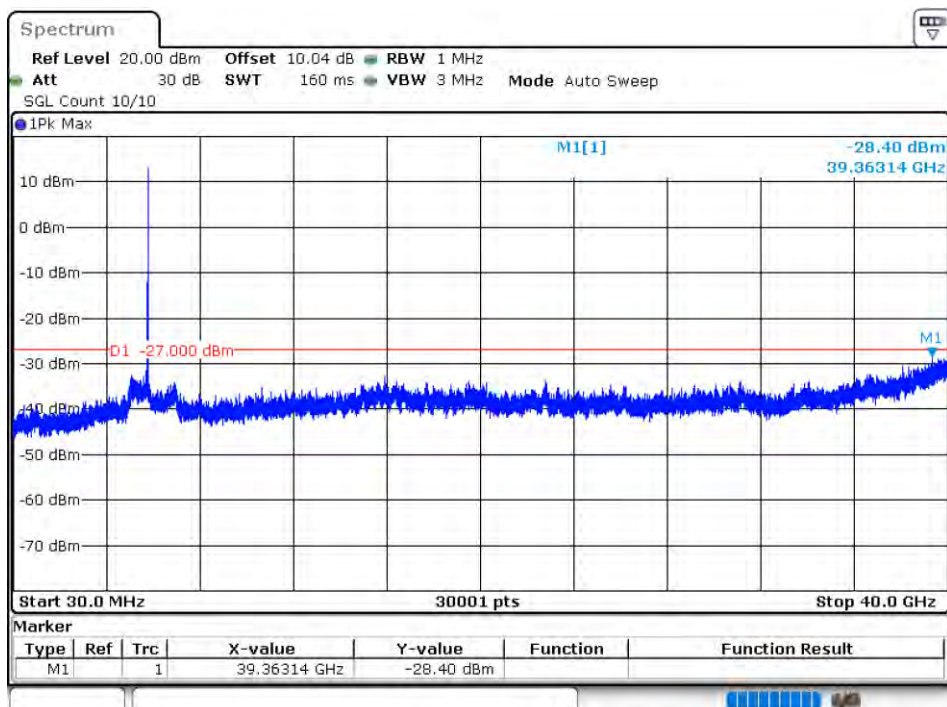
Tx. Spurious NVNT n20 5745MHz Ant2 Emission



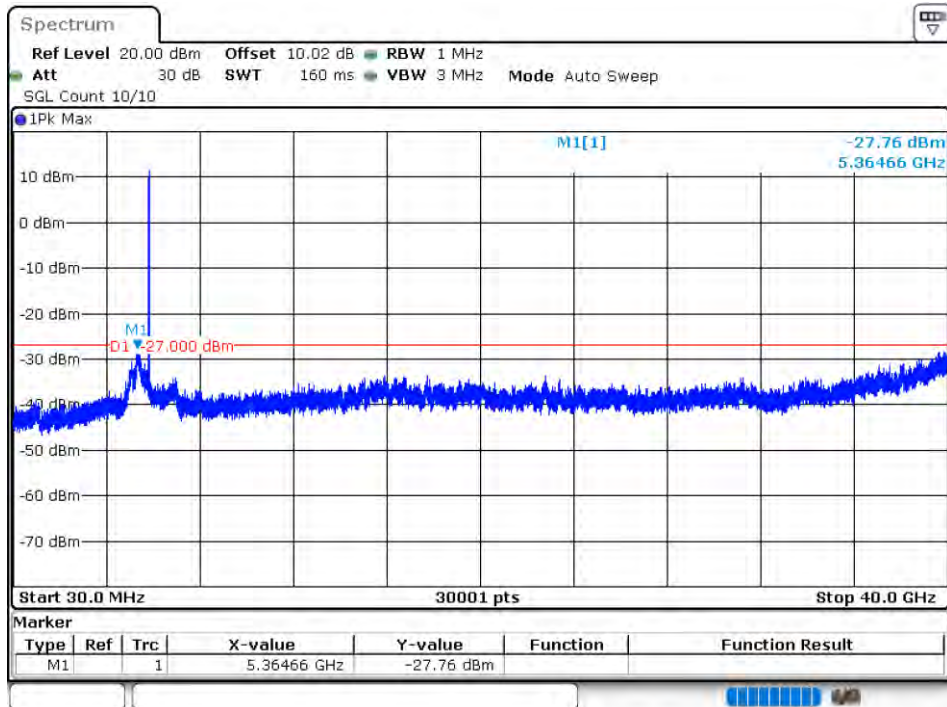
Tx. Spurious NVNT n20 5785MHz Ant1 Emission



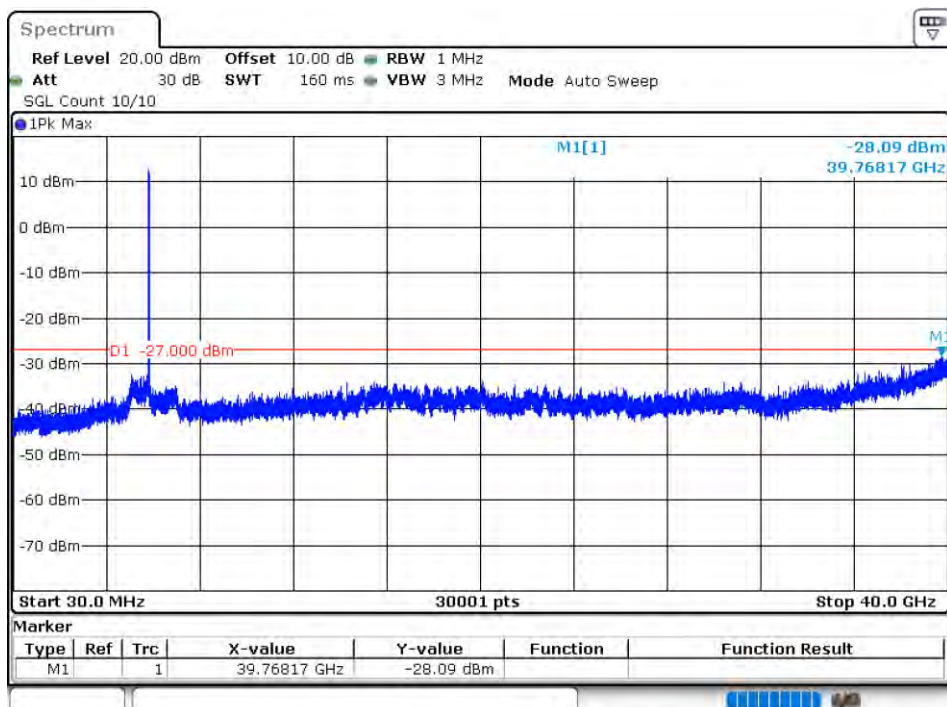
Tx. Spurious NVNT n20 5785MHz Ant2 Emission



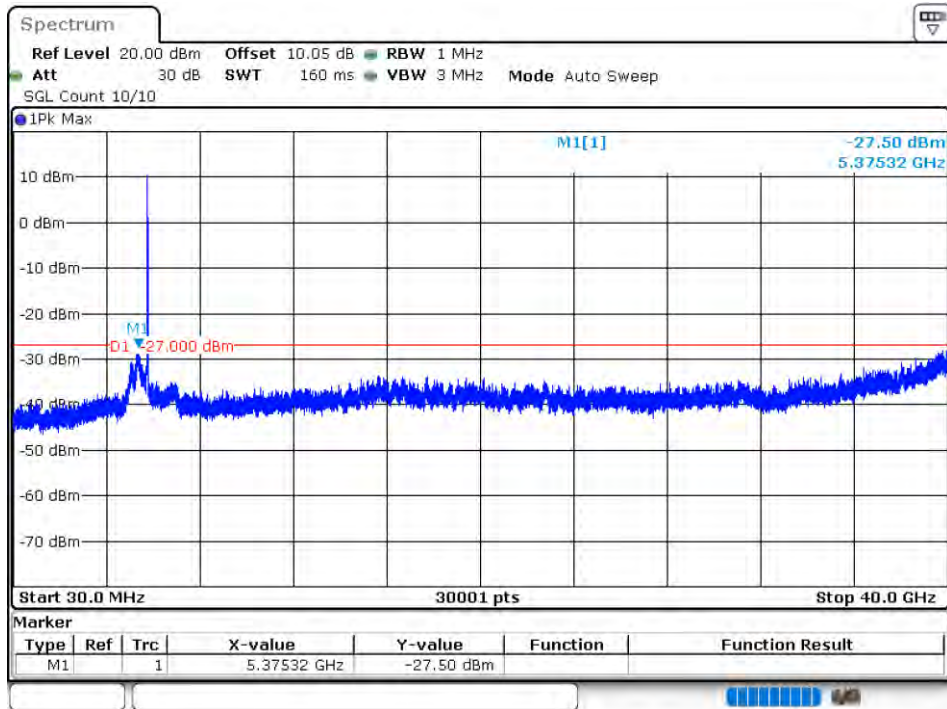
Tx. Spurious NVNT n20 5825MHz Ant1 Emission



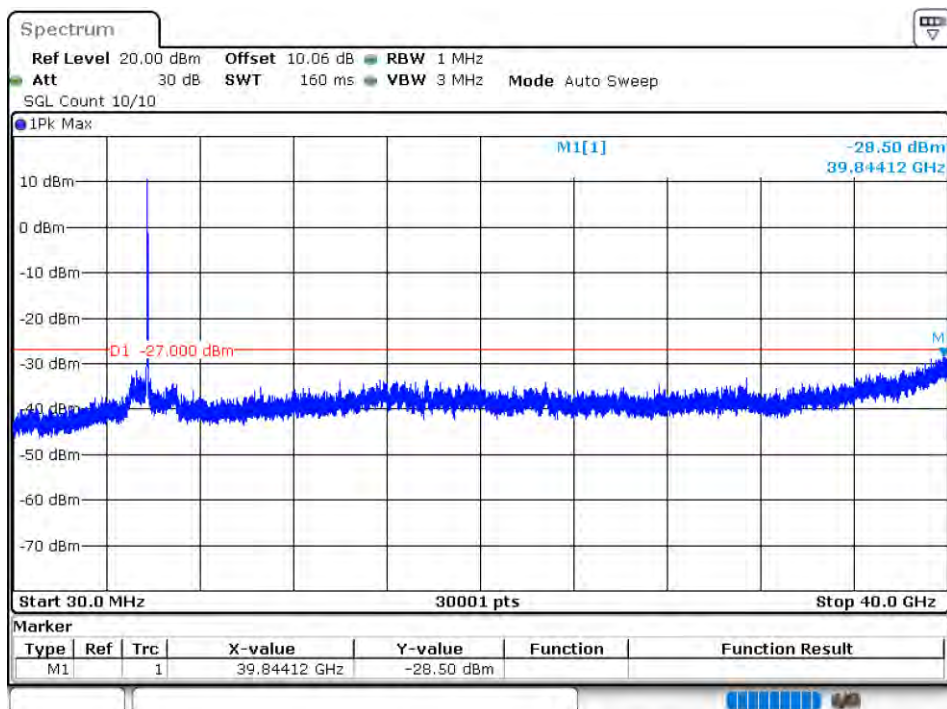
Tx. Spurious NVNT n20 5825MHz Ant2 Emission



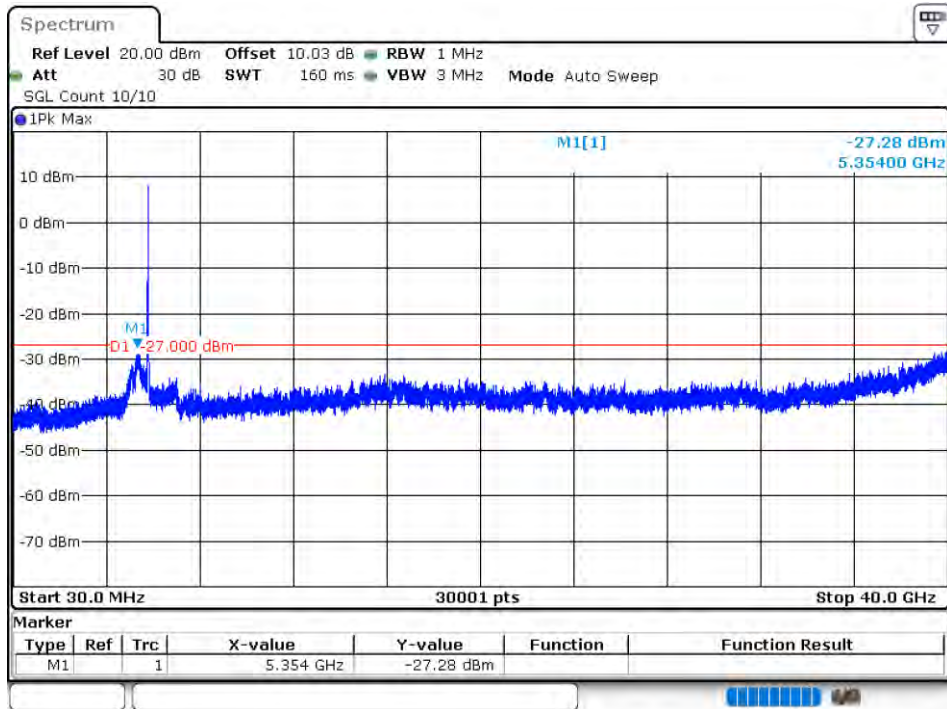
Tx. Spurious NVNT n40 5755MHz Ant1 Emission



Tx. Spurious NVNT n40 5755MHz Ant2 Emission



Tx. Spurious NVNT n40 5795MHz Ant1 Emission



Tx. Spurious NVNT n40 5795MHz Ant2 Emission

