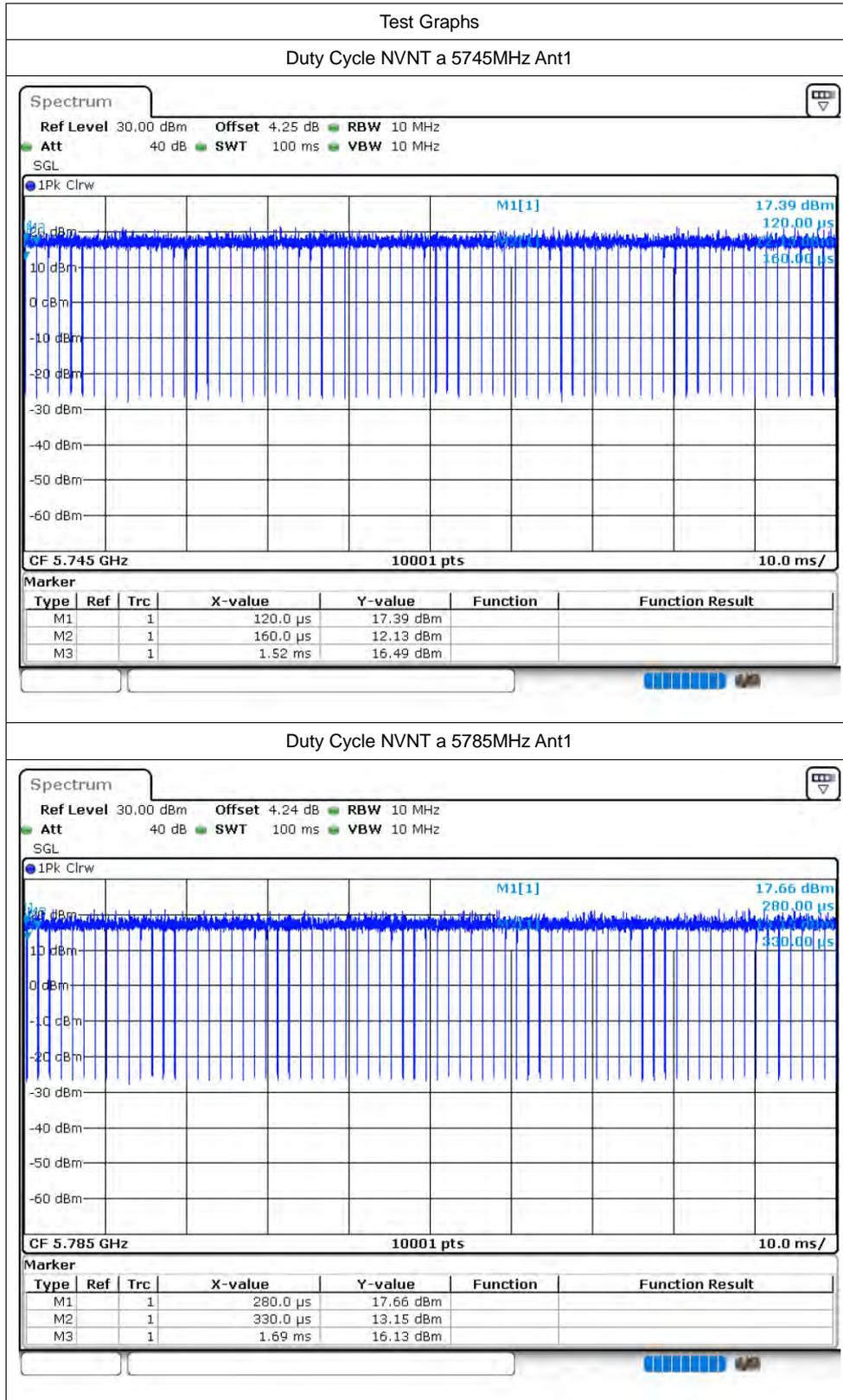


5.8G:

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	97.55	0.11	0.74
NVNT	a	5785	Ant1	97.55	0.11	0.74
NVNT	a	5825	Ant1	97.59	0.11	0.74
NVNT	a	5745	Ant2	97.57	0.11	0.74
NVNT	a	5785	Ant2	97.58	0.11	0.74
NVNT	a	5825	Ant2	97.54	0.11	0.74
NVNT	n20	5745	Ant1	97.4	0.11	0.79
NVNT	n20	5785	Ant1	97.41	0.11	0.79
NVNT	n20	5825	Ant1	97.42	0.11	0.79
NVNT	n20	5745	Ant2	97.4	0.11	0.79
NVNT	n20	5785	Ant2	97.43	0.11	0.78
NVNT	n20	5825	Ant2	97.42	0.11	0.79
NVNT	n40	5755	Ant1	96.69	0.15	1.56
NVNT	n40	5795	Ant1	96.71	0.15	1.59
NVNT	n40	5755	Ant2	96.7	0.15	1.59
NVNT	n40	5795	Ant2	96.67	0.15	1.59



Maximum Conducted Output Power

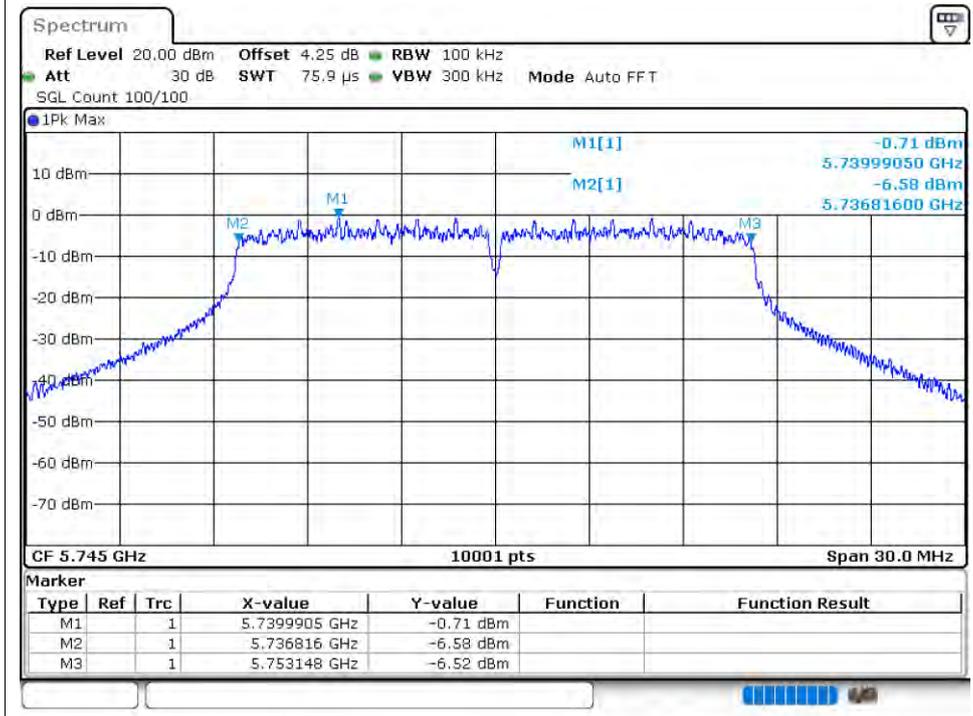
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	13.14	30	Pass
NVNT	a	5785	Ant1	13.29	30	Pass
NVNT	a	5825	Ant1	13.29	30	Pass
NVNT	a	5745	Ant2	13.04	30	Pass
NVNT	a	5785	Ant2	12.88	30	Pass
NVNT	a	5825	Ant2	12.06	30	Pass
NVNT	n20	5745	Ant1	13.27	30	Pass
NVNT	n20	5785	Ant1	13.27	30	Pass
NVNT	n20	5825	Ant1	13.11	30	Pass
NVNT	n20	5745	Ant2	12.79	30	Pass
NVNT	n20	5785	Ant2	12.7	30	Pass
NVNT	n20	5825	Ant2	12.21	30	Pass
NVNT	n40	5755	Ant1	12.97	30	Pass
NVNT	n40	5795	Ant1	12.94	30	Pass
NVNT	n40	5755	Ant2	12.51	30	Pass
NVNT	n40	5795	Ant2	12.5	30	Pass

-6dB Bandwidth

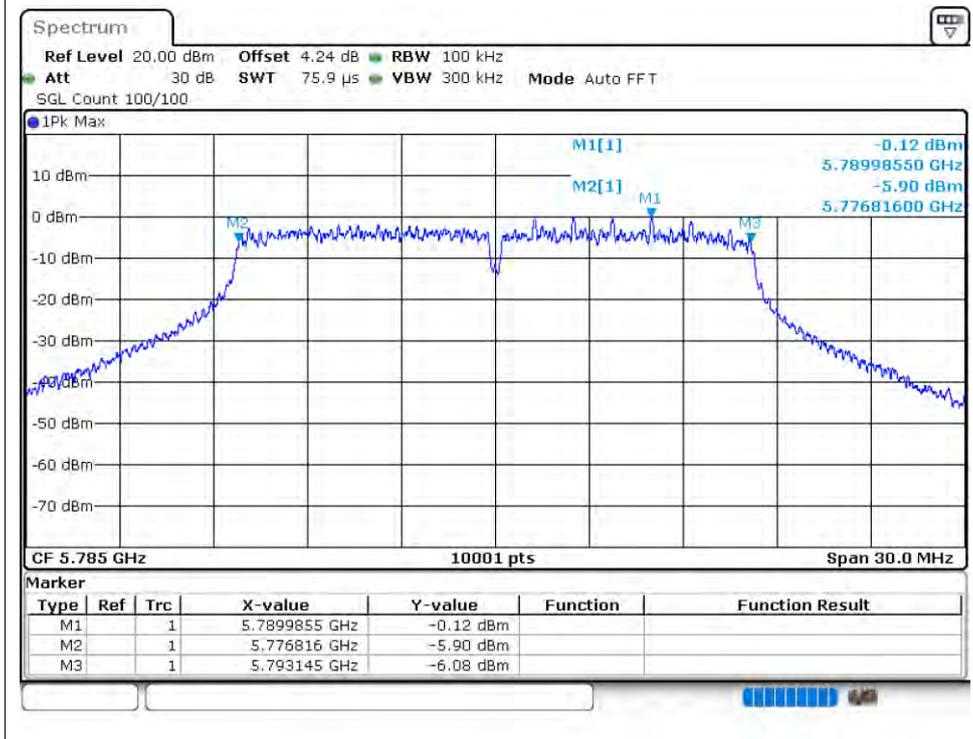
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.332	0.5	Pass
NVNT	a	5785	Ant1	16.329	0.5	Pass
NVNT	a	5825	Ant1	16.326	0.5	Pass
NVNT	a	5745	Ant2	16.305	0.5	Pass
NVNT	a	5785	Ant2	16.467	0.5	Pass
NVNT	a	5825	Ant2	16.341	0.5	Pass
NVNT	n20	5745	Ant1	17.64	0.5	Pass
NVNT	n20	5785	Ant1	17.607	0.5	Pass
NVNT	n20	5825	Ant1	17.313	0.5	Pass
NVNT	n20	5745	Ant2	16.932	0.5	Pass
NVNT	n20	5785	Ant2	17.286	0.5	Pass
NVNT	n20	5825	Ant2	17.568	0.5	Pass
NVNT	n40	5755	Ant1	35.904	0.5	Pass
NVNT	n40	5795	Ant1	35.712	0.5	Pass
NVNT	n40	5755	Ant2	36.06	0.5	Pass
NVNT	n40	5795	Ant2	36.048	0.5	Pass

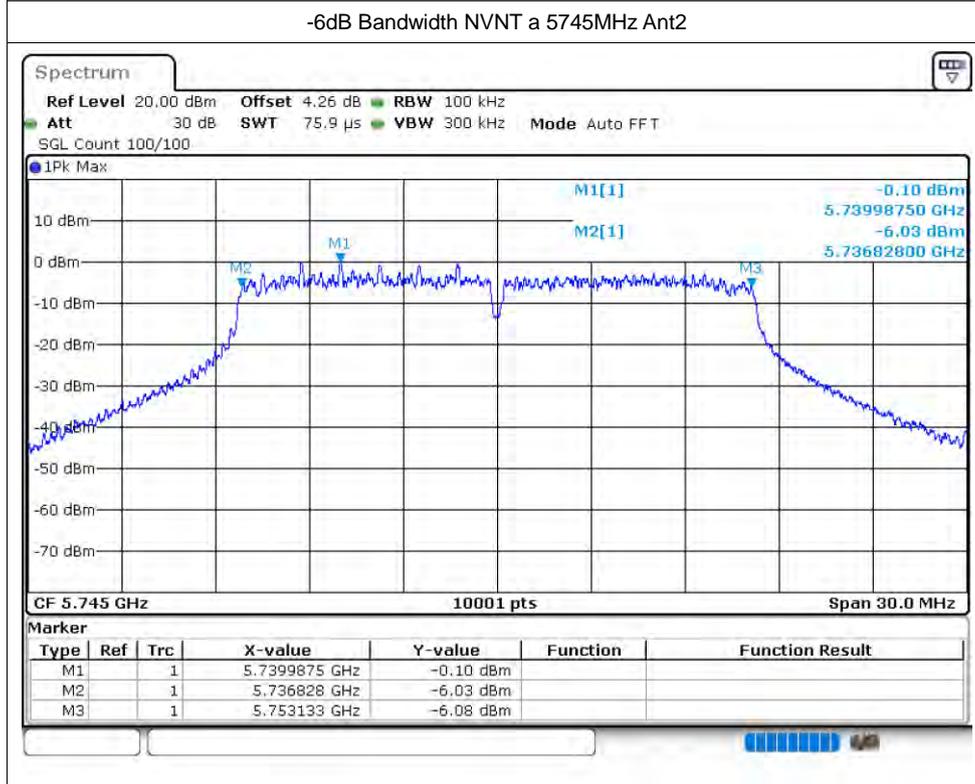
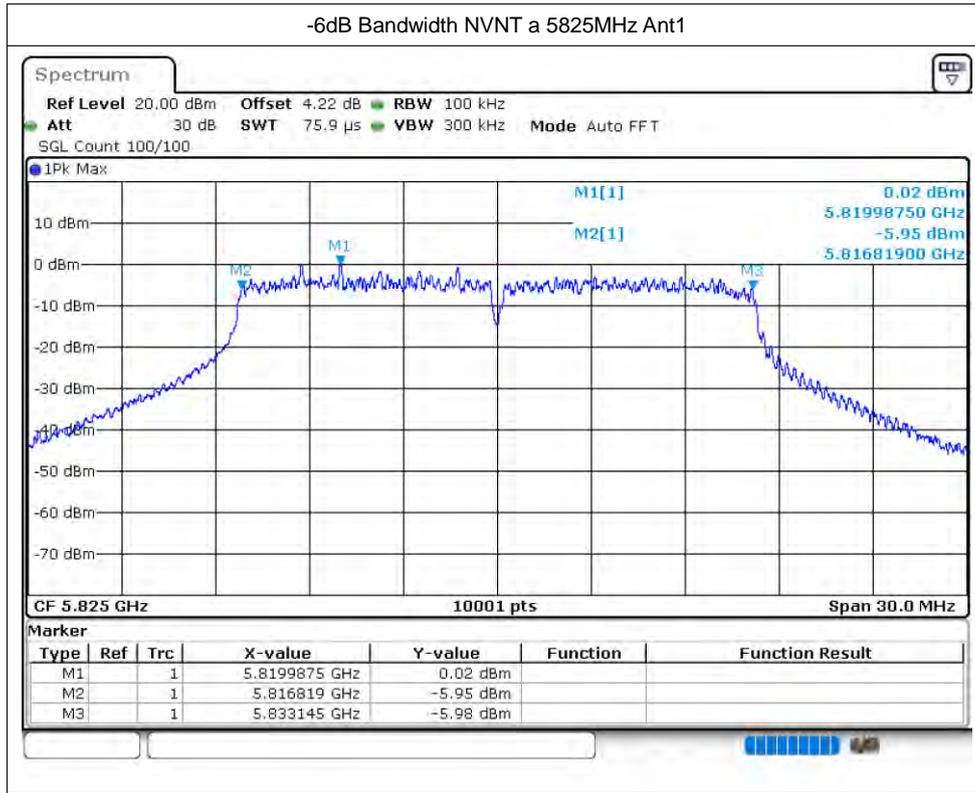
Test Graphs

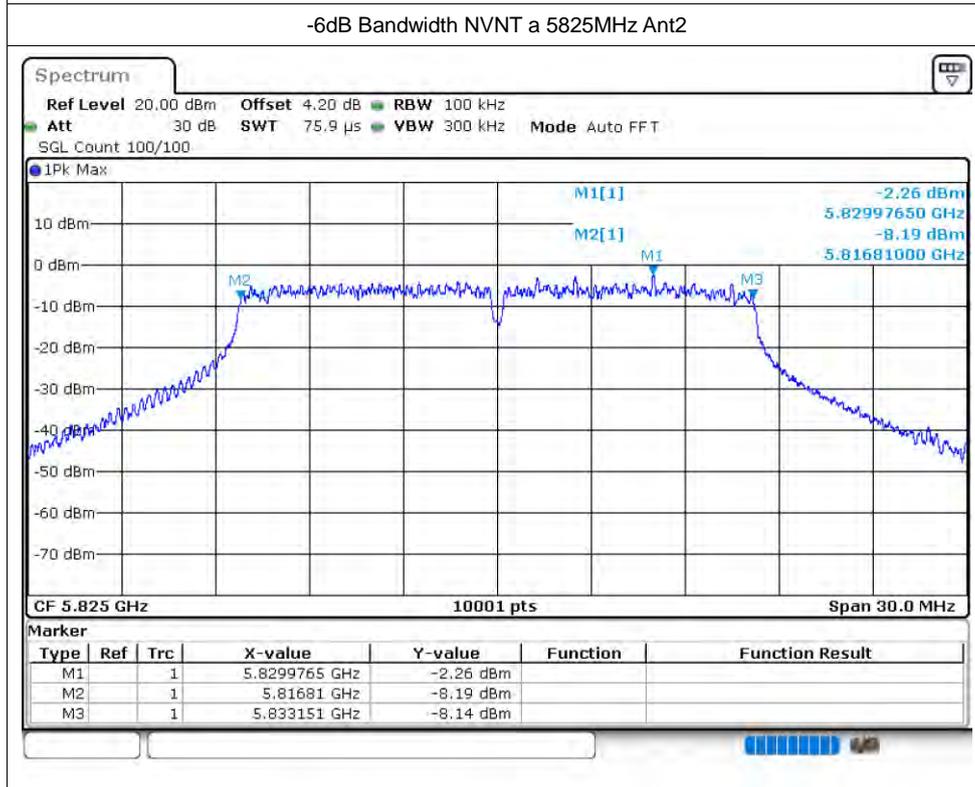
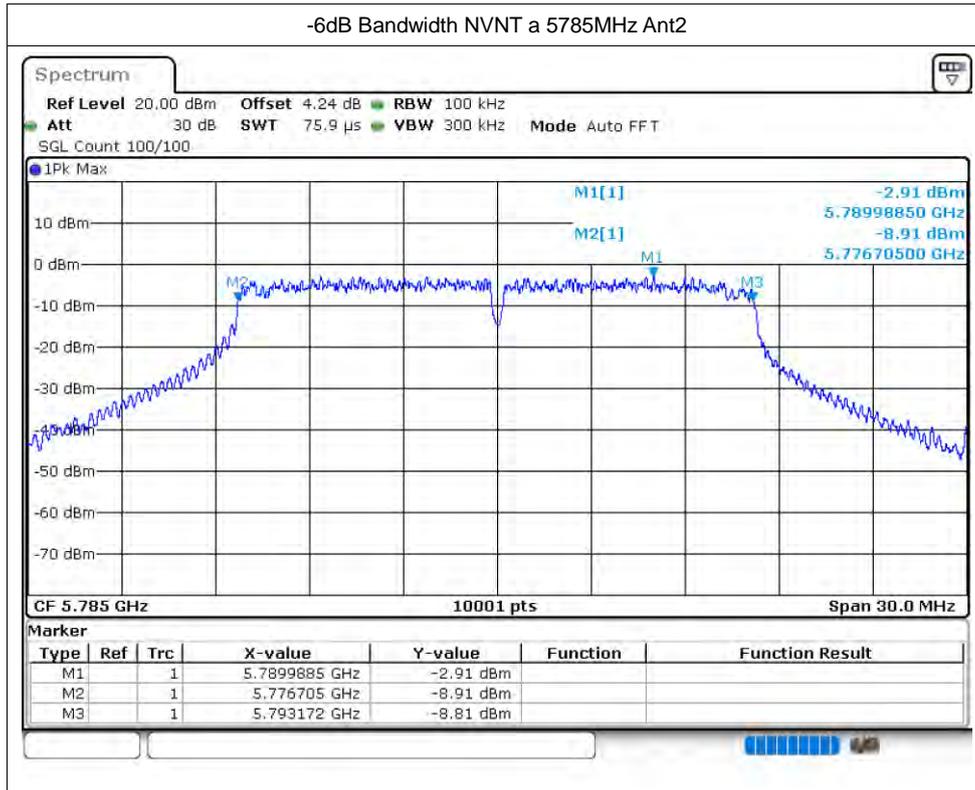
-6dB Bandwidth NVNT a 5745MHz Ant1

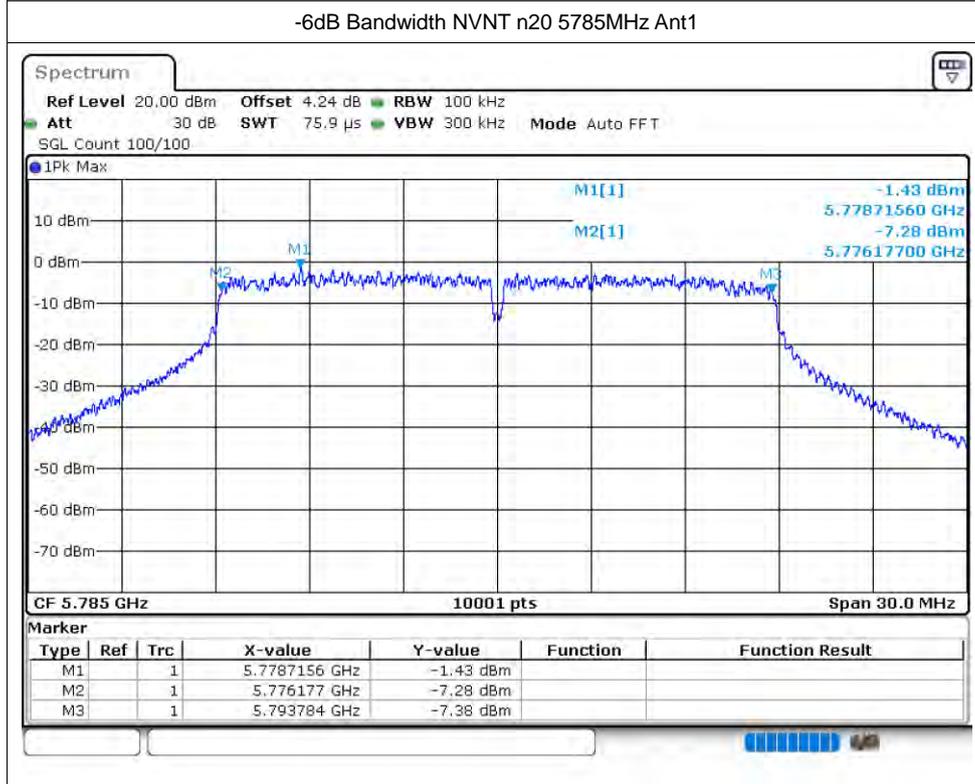
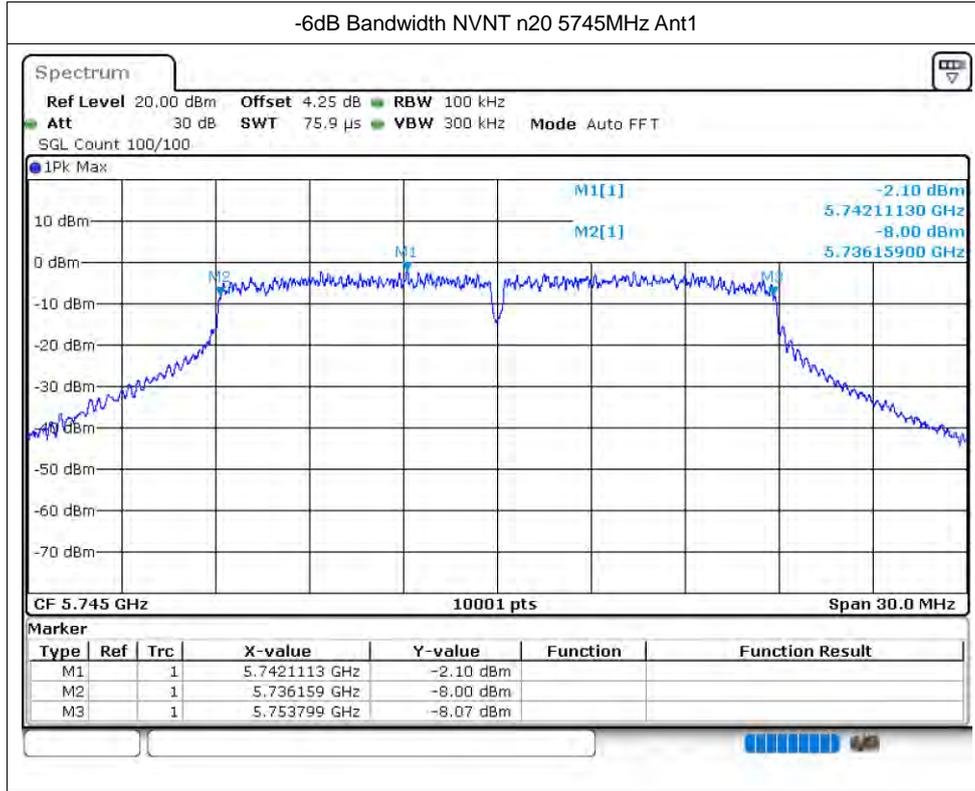


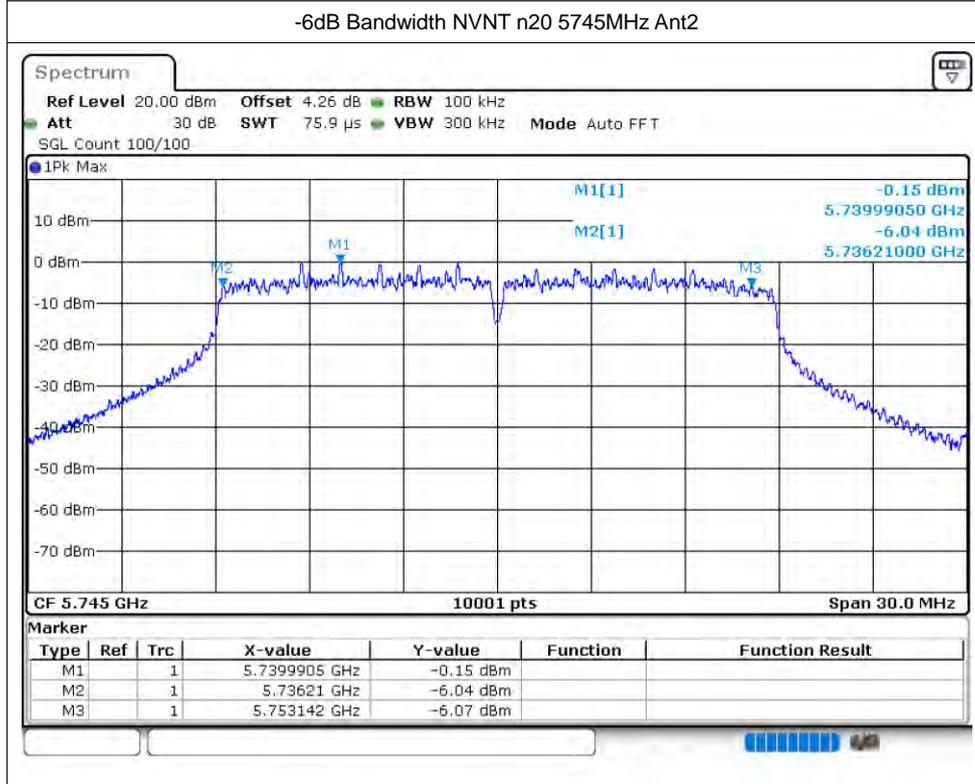
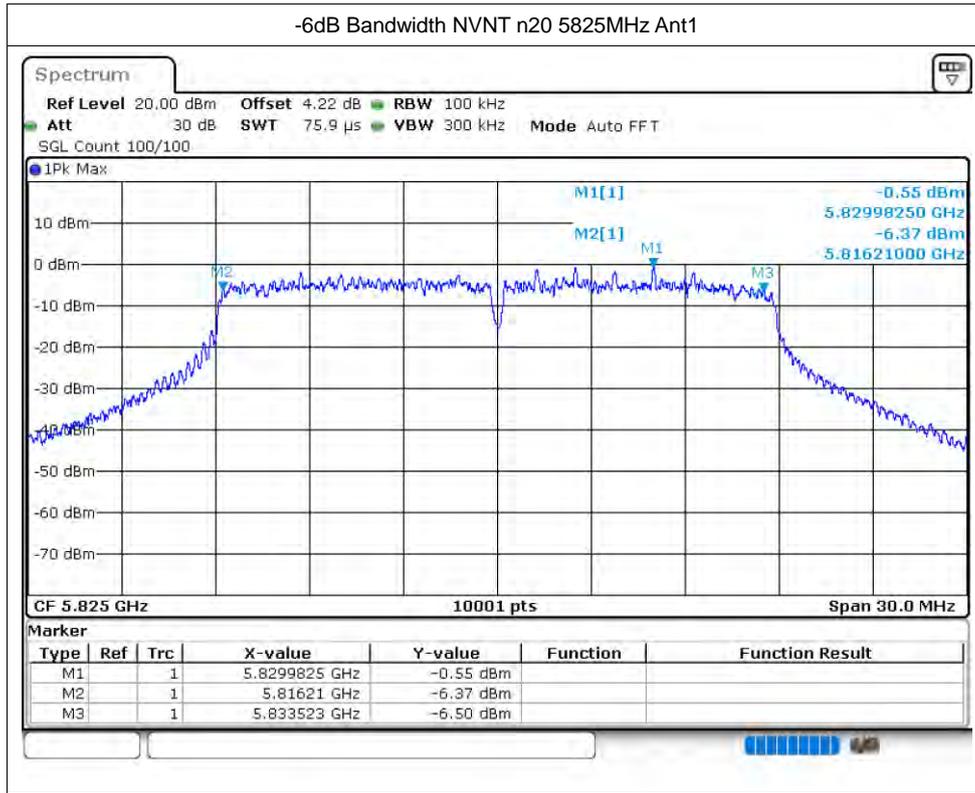
-6dB Bandwidth NVNT a 5785MHz Ant1

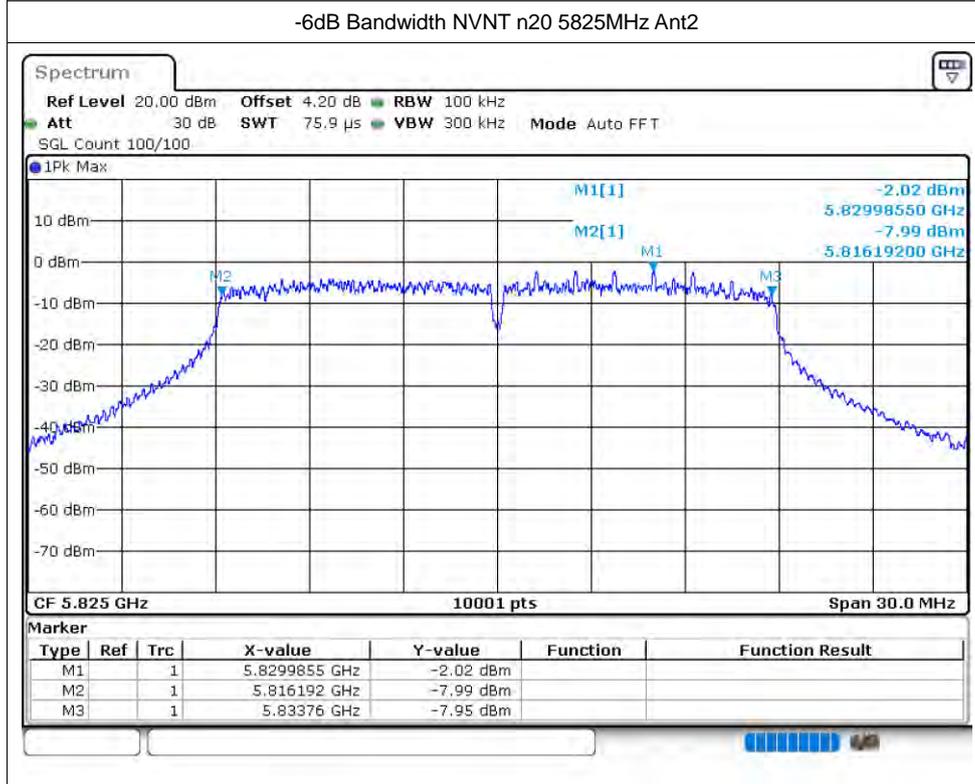
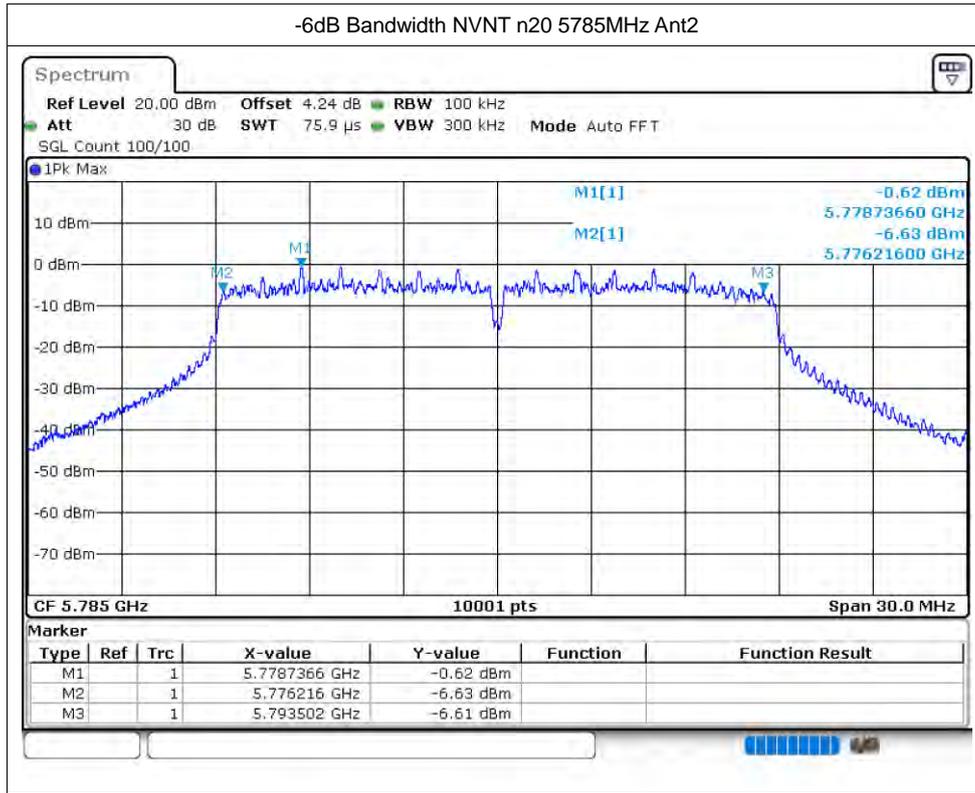


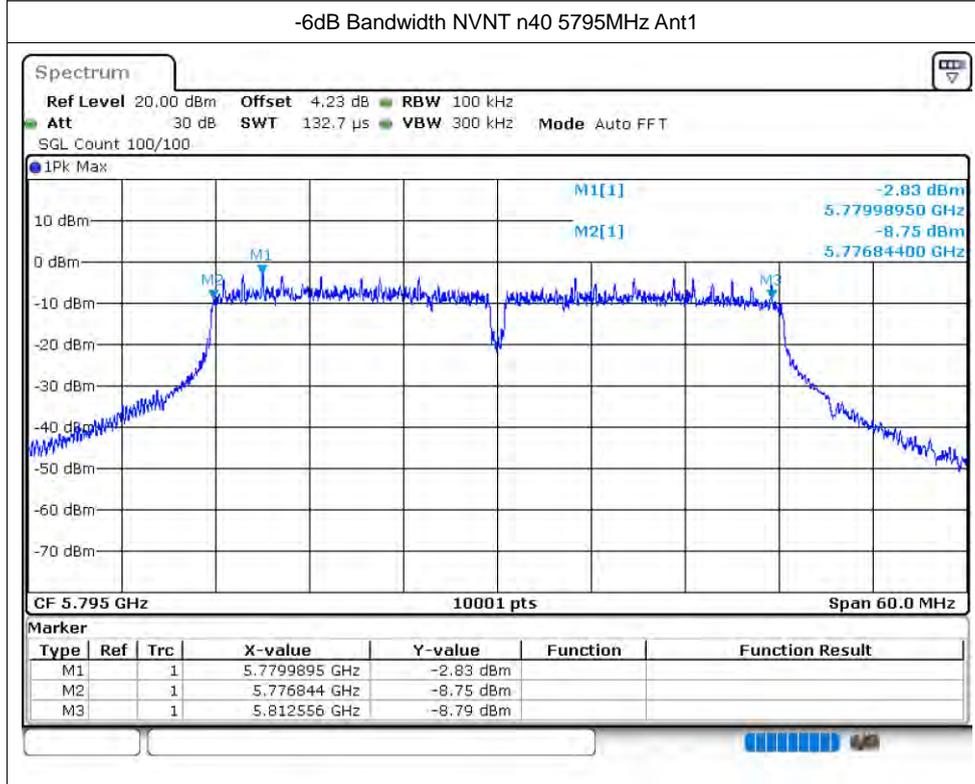
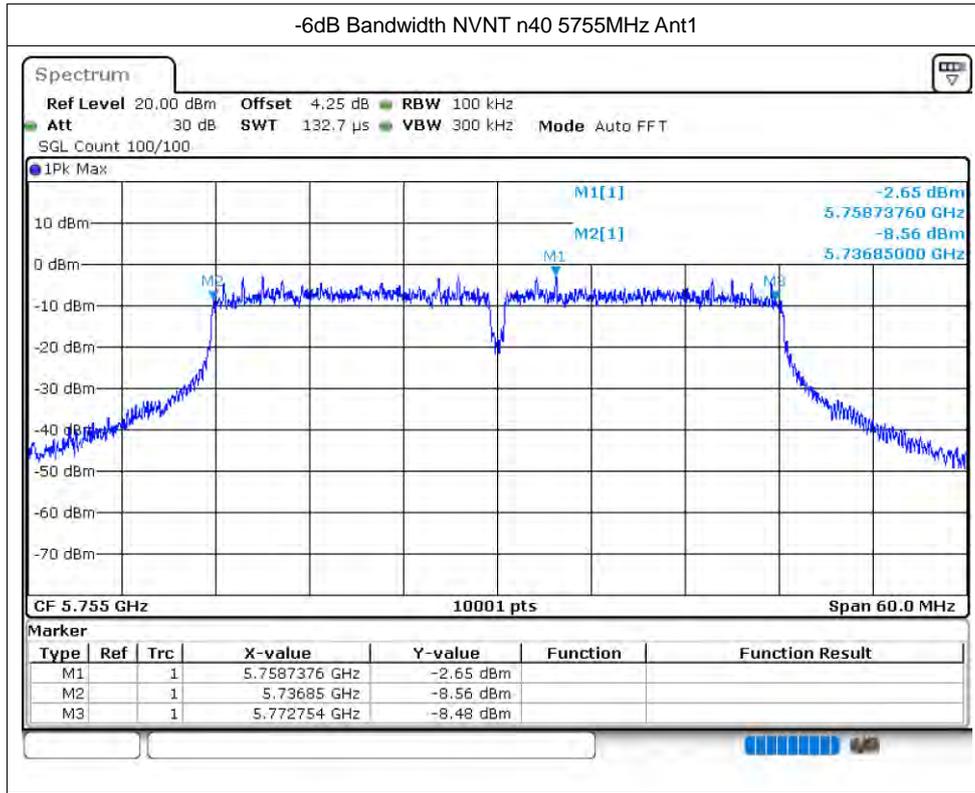


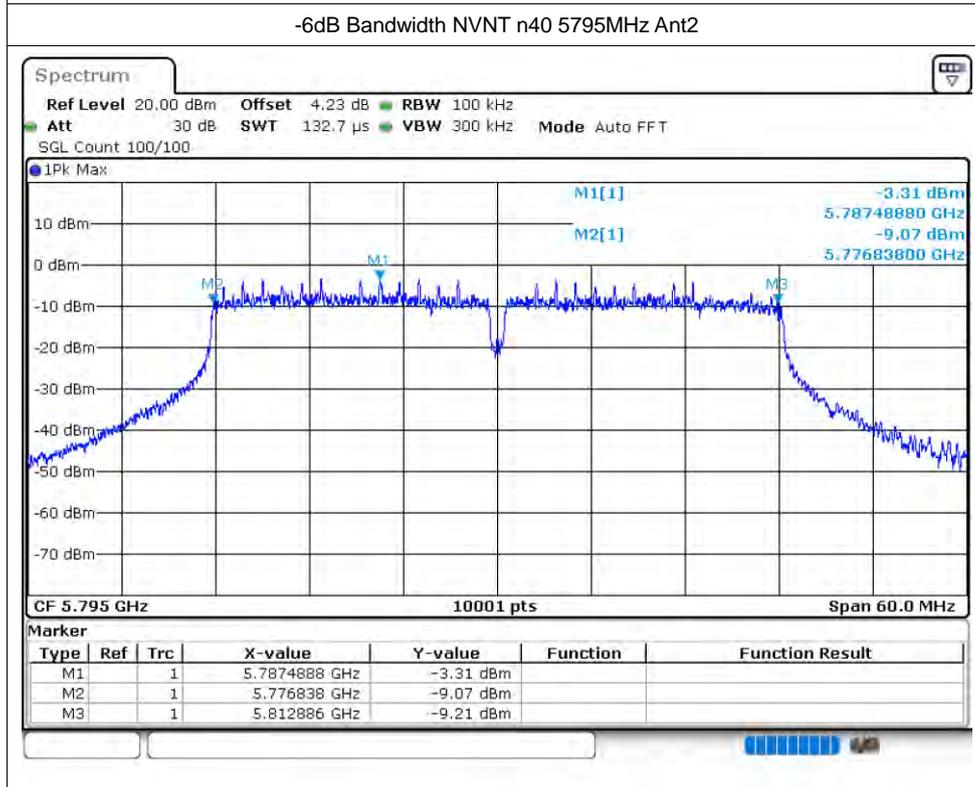
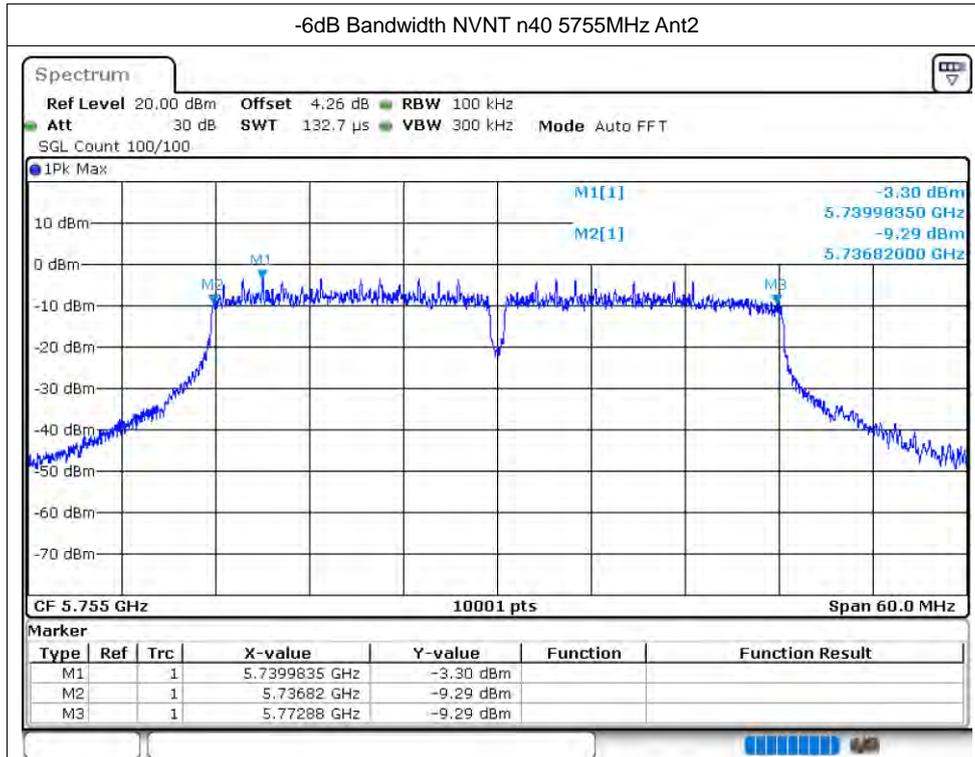










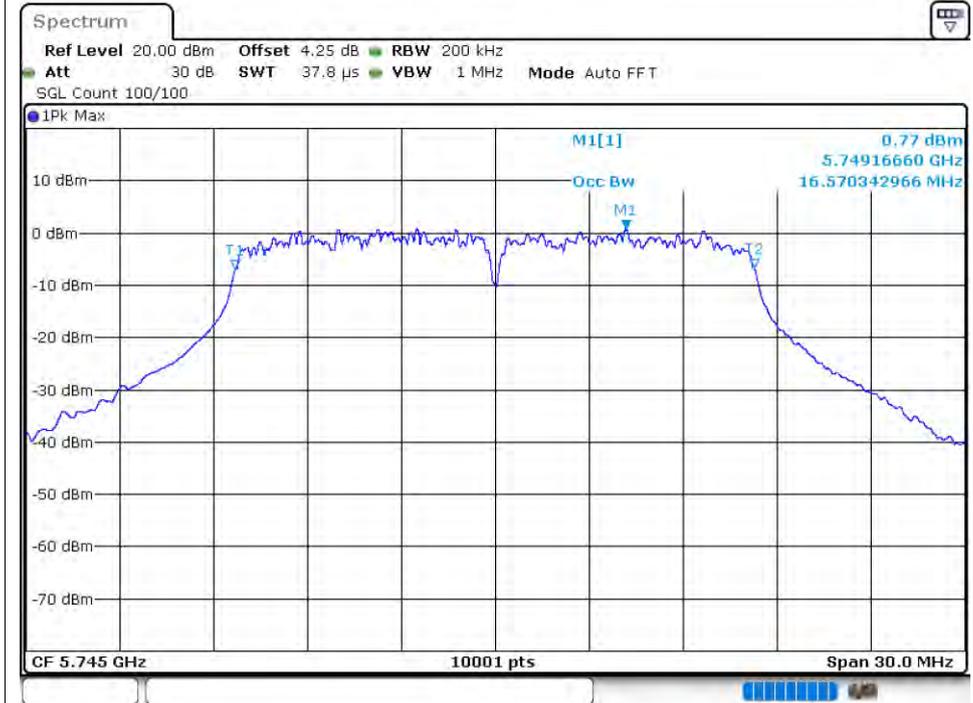


Occupied Channel Bandwidth

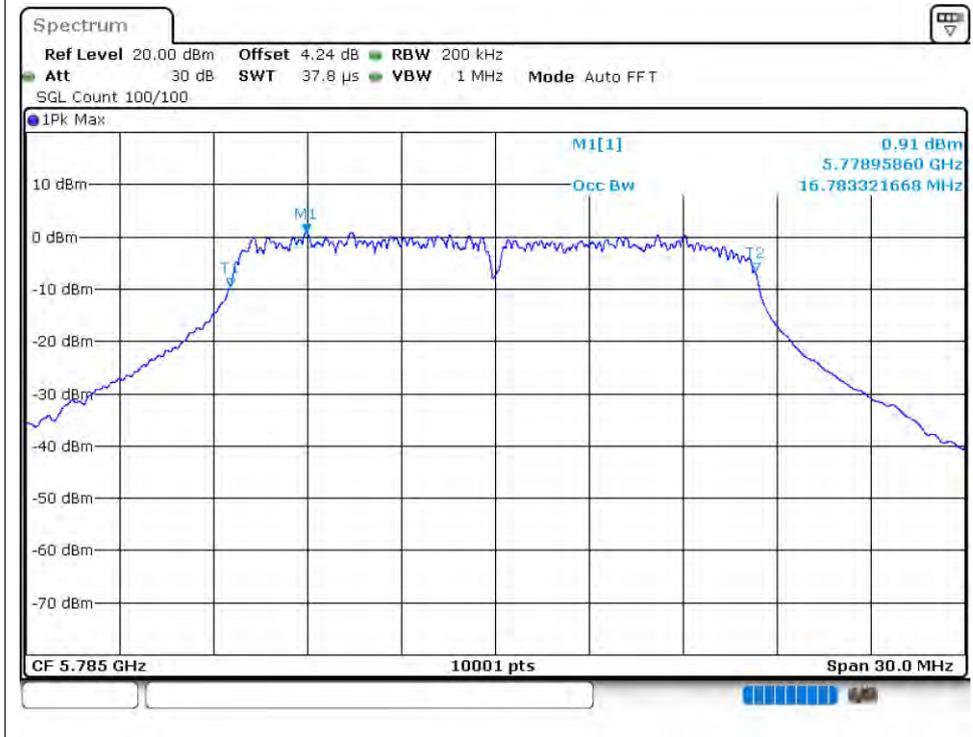
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.57
NVNT	a	5785	Ant1	16.783
NVNT	a	5825	Ant1	16.597
NVNT	a	5745	Ant2	16.45
NVNT	a	5785	Ant2	16.465
NVNT	a	5825	Ant2	16.648
NVNT	n20	5745	Ant1	17.68
NVNT	n20	5785	Ant1	17.671
NVNT	n20	5825	Ant1	17.71
NVNT	n20	5745	Ant2	17.707
NVNT	n20	5785	Ant2	17.656
NVNT	n20	5825	Ant2	17.641
NVNT	n40	5755	Ant1	36.548
NVNT	n40	5795	Ant1	36.638
NVNT	n40	5755	Ant2	36.554
NVNT	n40	5795	Ant2	36.62

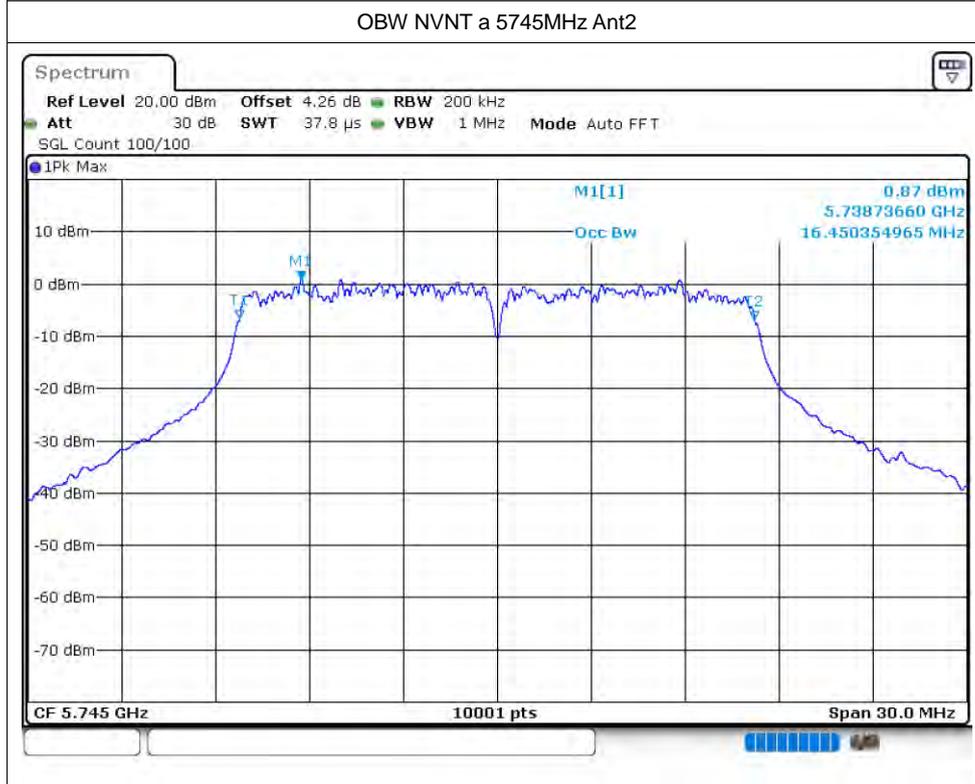
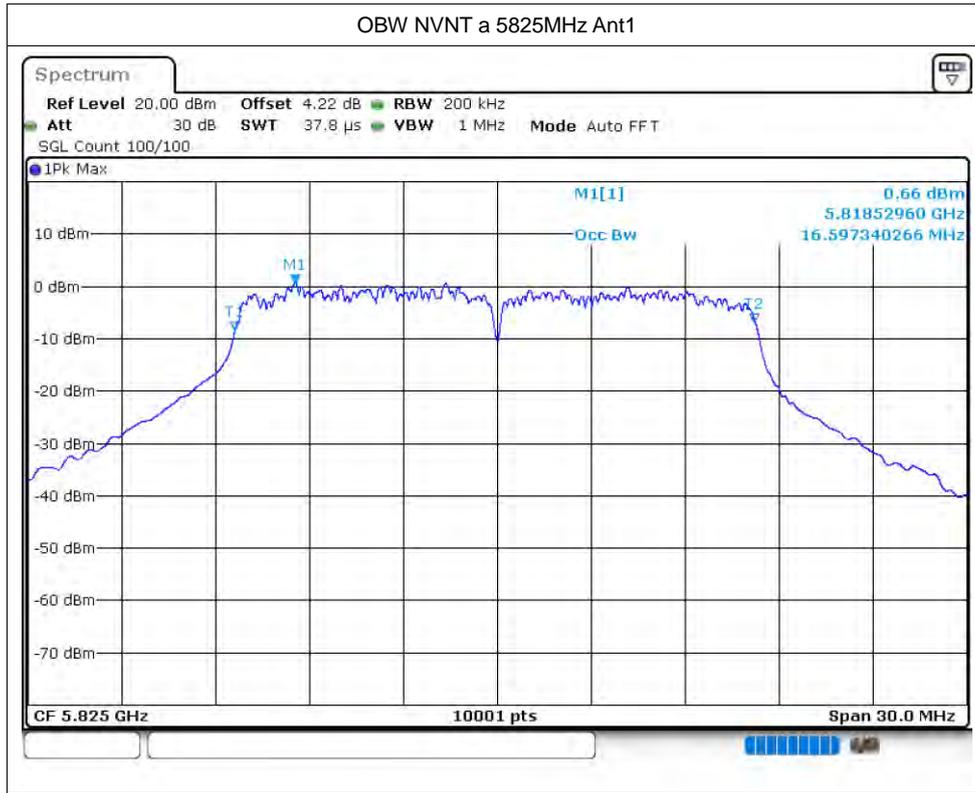
Test Graphs

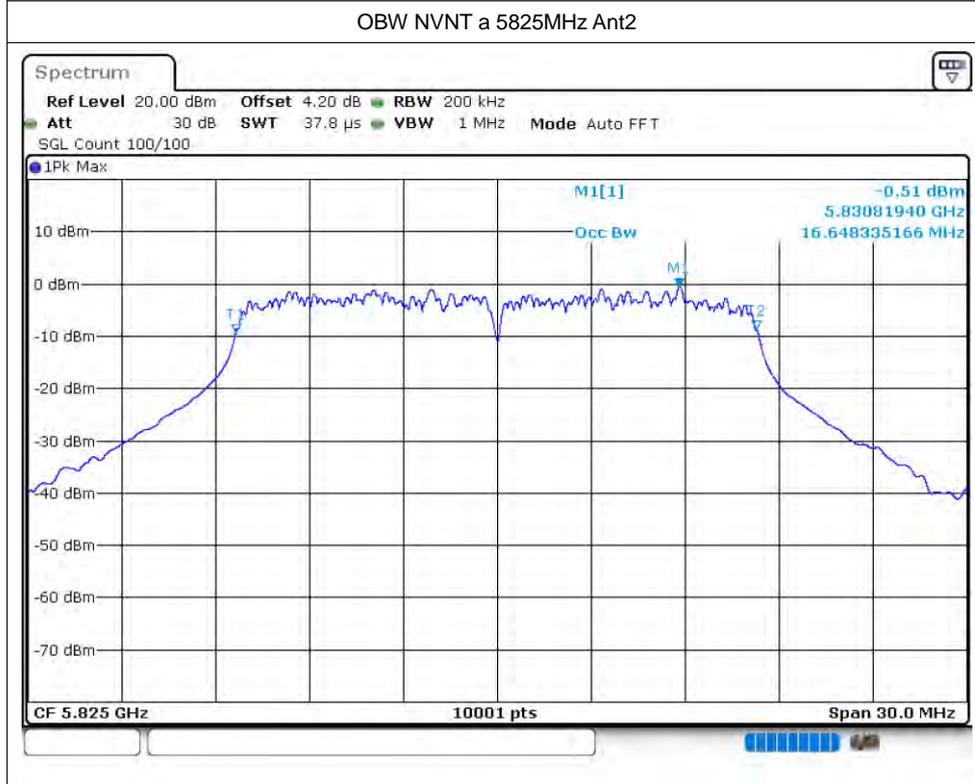
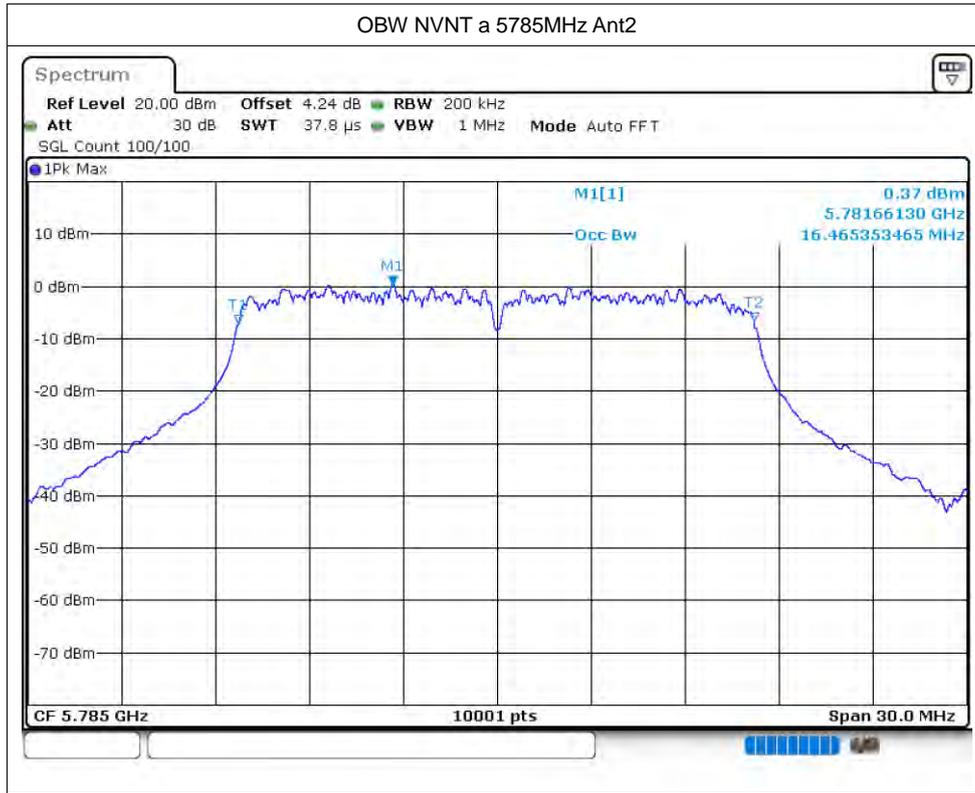
OBW NVNT a 5745MHz Ant1

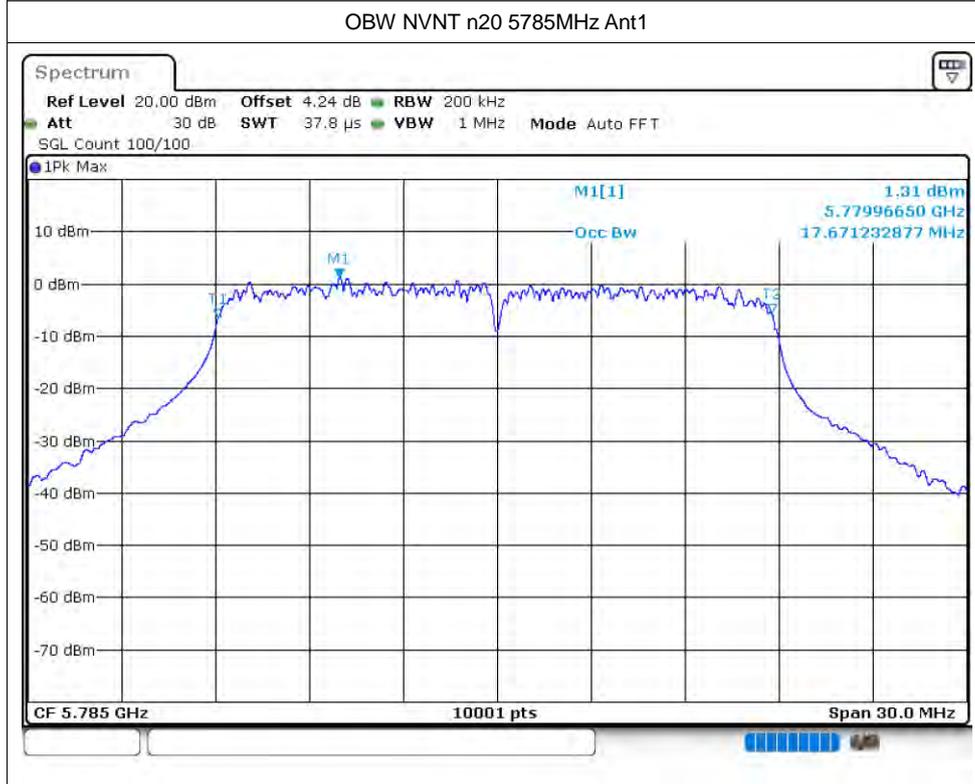
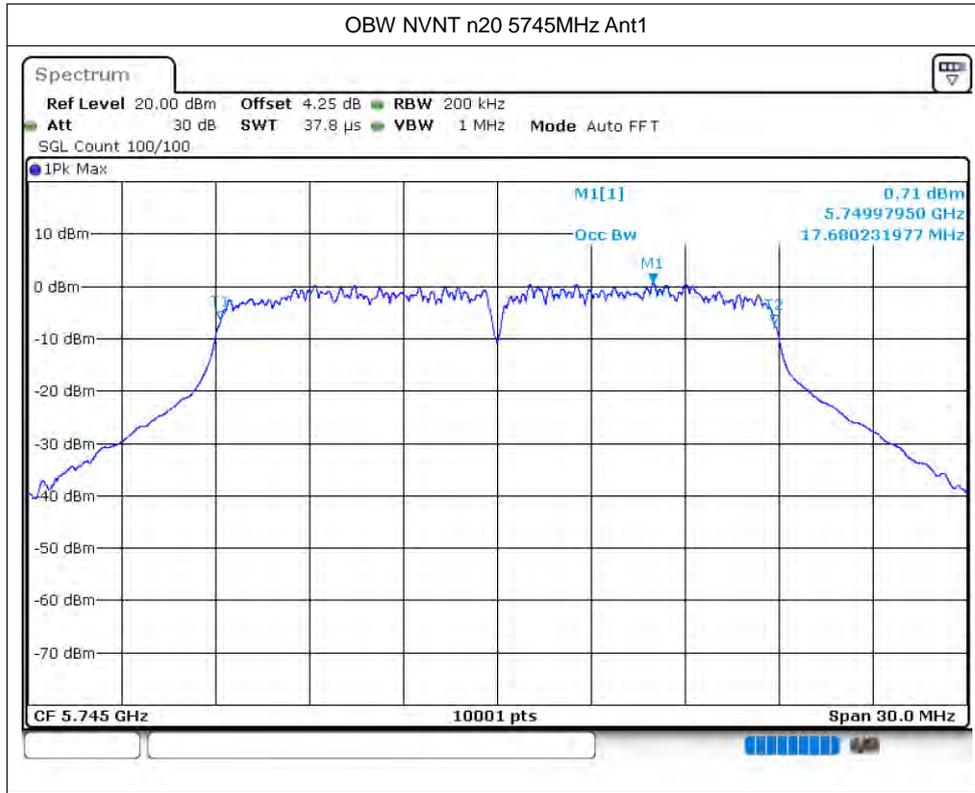


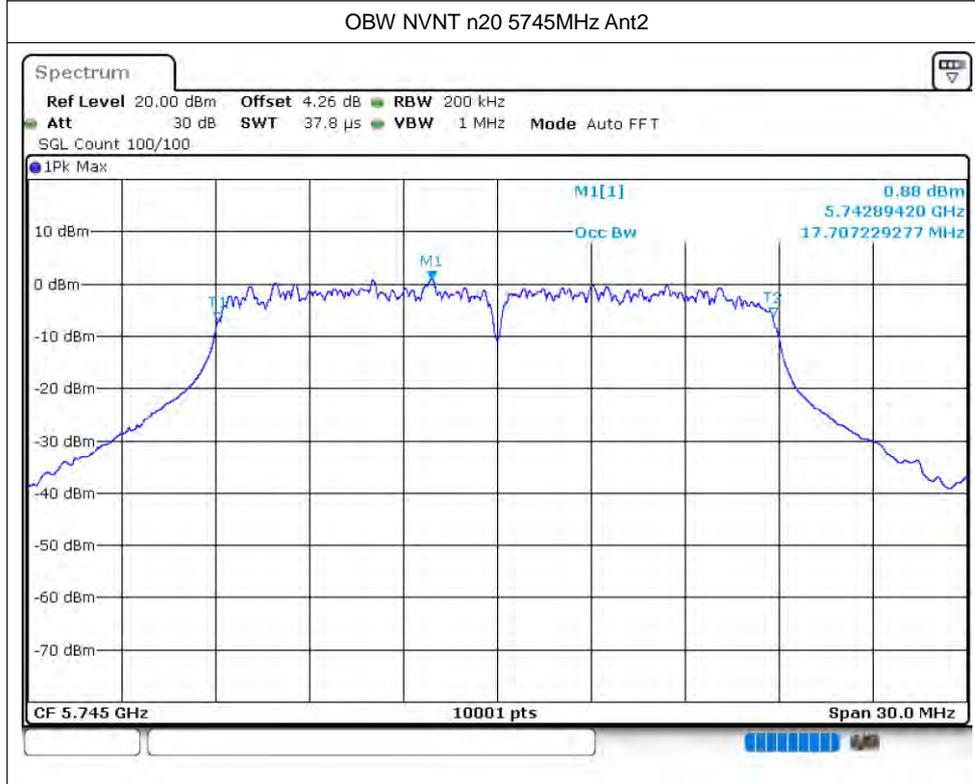
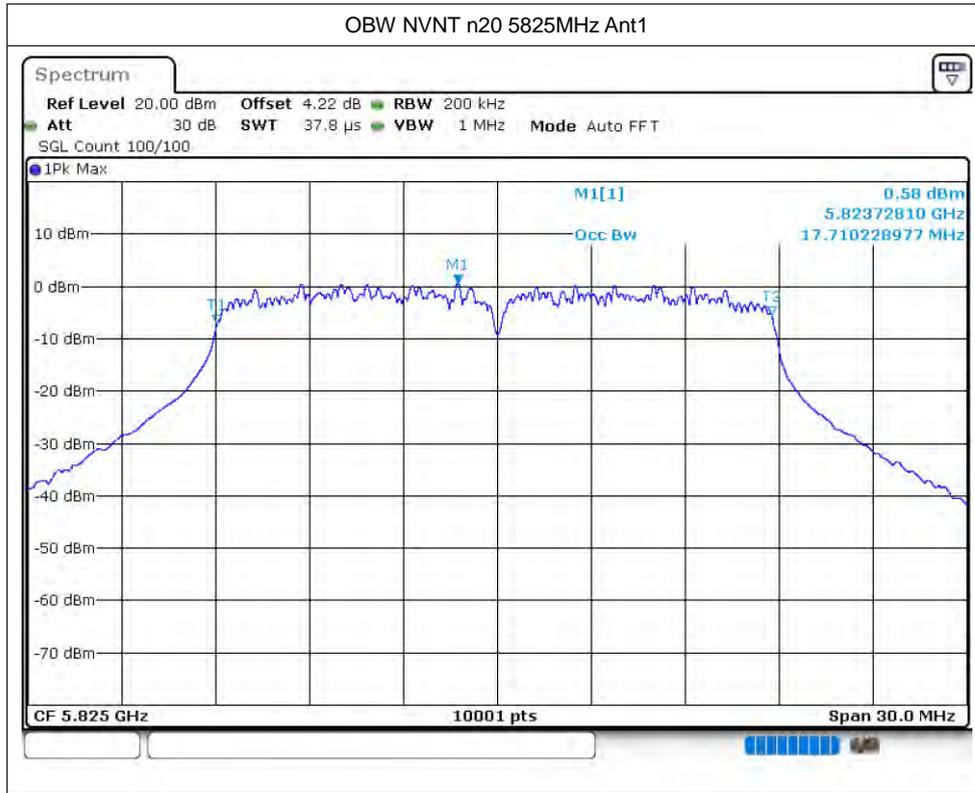
OBW NVNT a 5785MHz Ant1

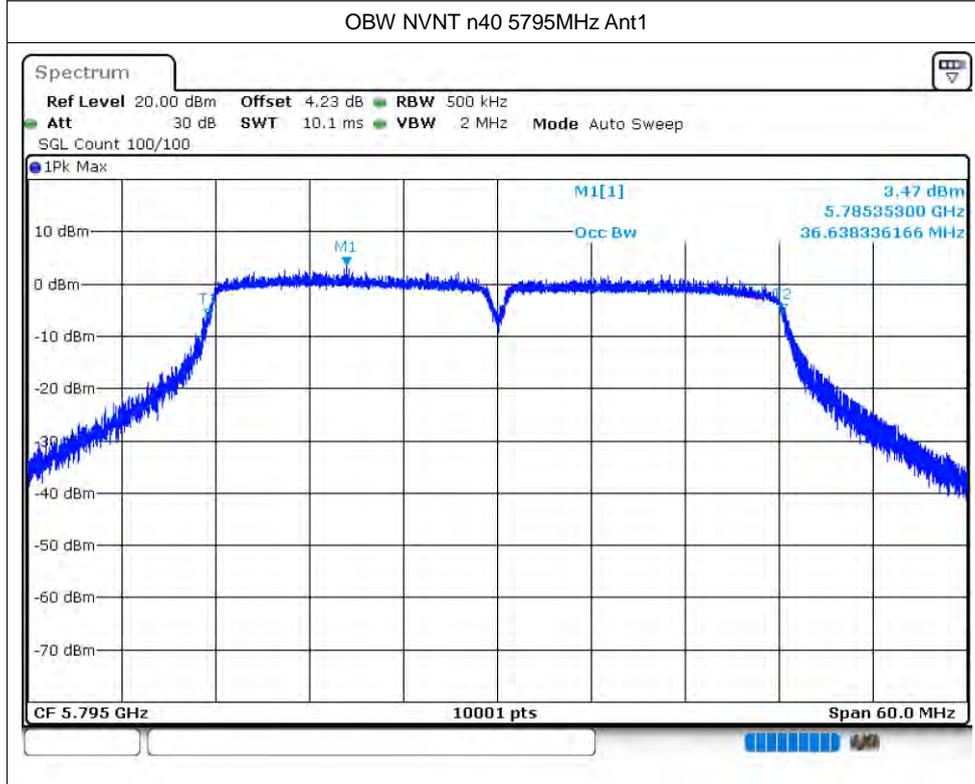
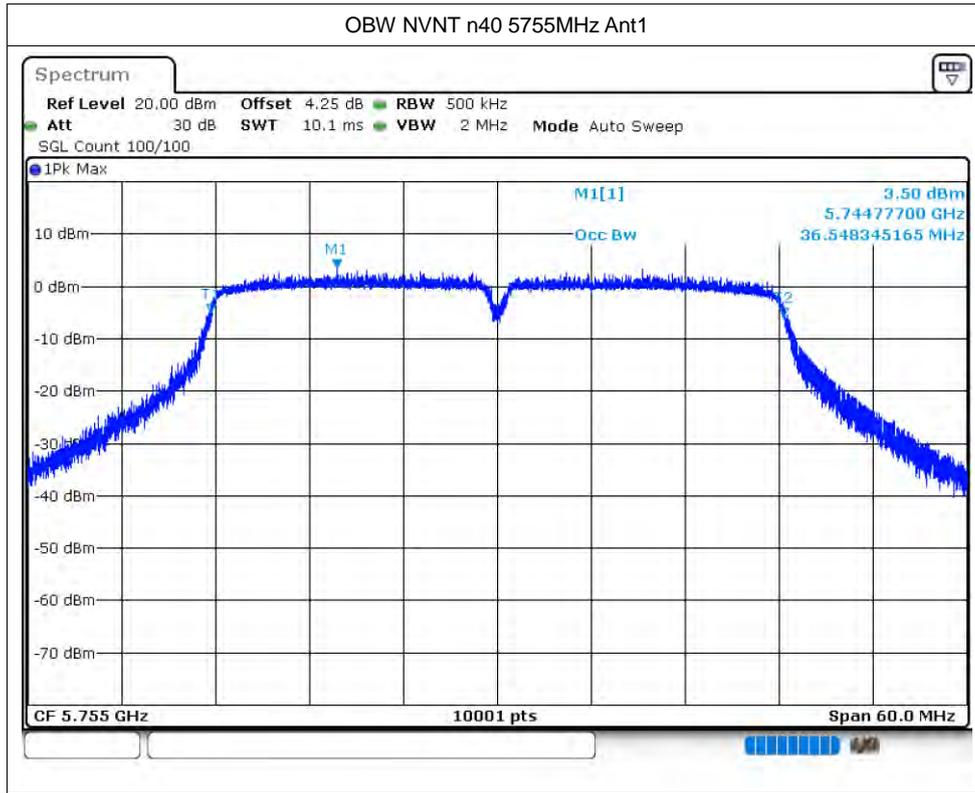










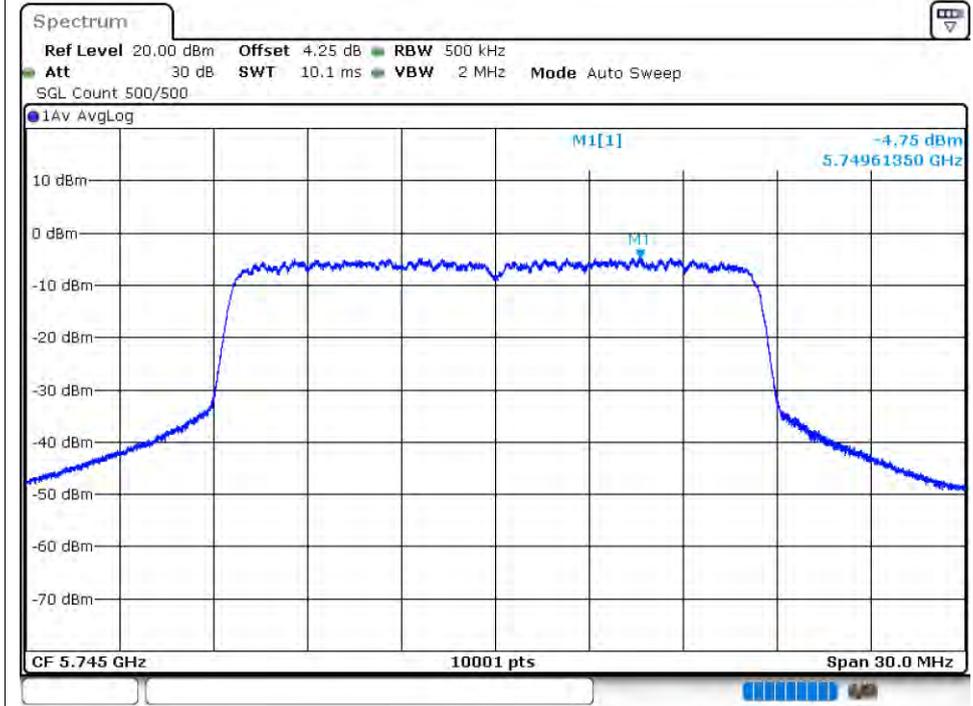


Maximum Power Spectral Density Level

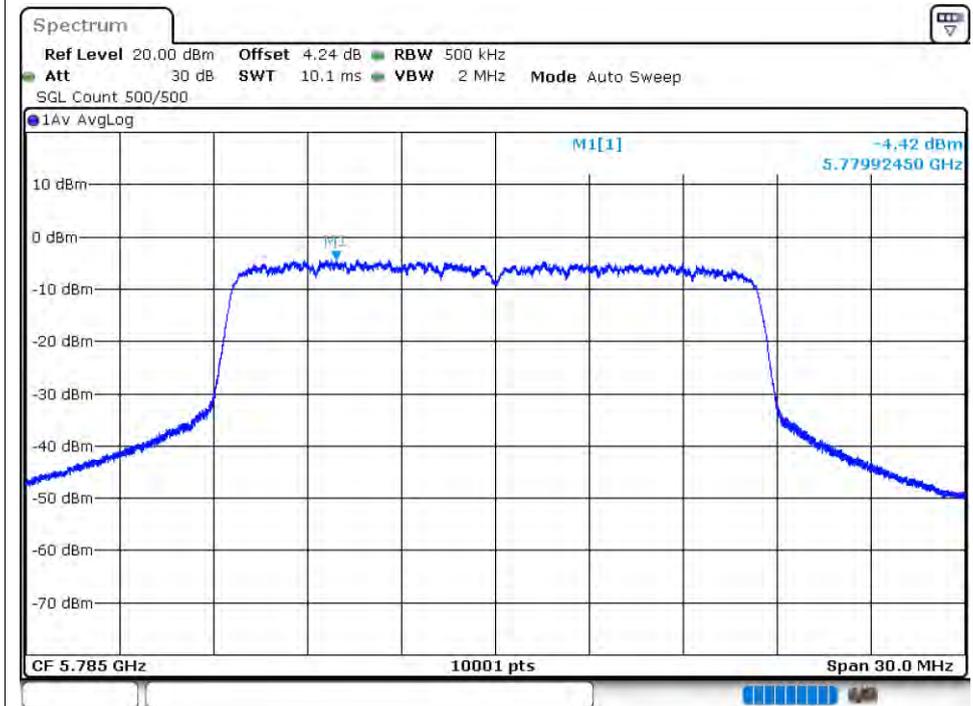
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-4.75	0.11	-4.64	30	Pass
NVNT	a	5785	Ant1	-4.42	0.11	-4.31	30	Pass
NVNT	a	5825	Ant1	-4.94	0.11	-4.83	30	Pass
NVNT	a	5745	Ant2	-3.3	0.11	-3.19	30	Pass
NVNT	a	5785	Ant2	-3.83	0.11	-3.72	30	Pass
NVNT	a	5825	Ant2	-4.63	0.11	-4.52	30	Pass
NVNT	n20	5745	Ant1	-4.9	0.11	-4.79	30	Pass
NVNT	n20	5785	Ant1	-4.4	0.11	-4.29	30	Pass
NVNT	n20	5825	Ant1	-5.45	0.11	-5.34	30	Pass
NVNT	n20	5745	Ant2	-3.78	0.11	-3.67	30	Pass
NVNT	n20	5785	Ant2	-3.89	0.11	-3.78	30	Pass
NVNT	n20	5825	Ant2	-4.76	0.11	-4.65	30	Pass
NVNT	n40	5755	Ant1	-8.44	0.15	-8.29	30	Pass
NVNT	n40	5795	Ant1	-8.67	0.15	-8.52	30	Pass
NVNT	n40	5755	Ant2	-7.02	0.15	-6.87	30	Pass
NVNT	n40	5795	Ant2	-8.21	0.15	-8.06	30	Pass

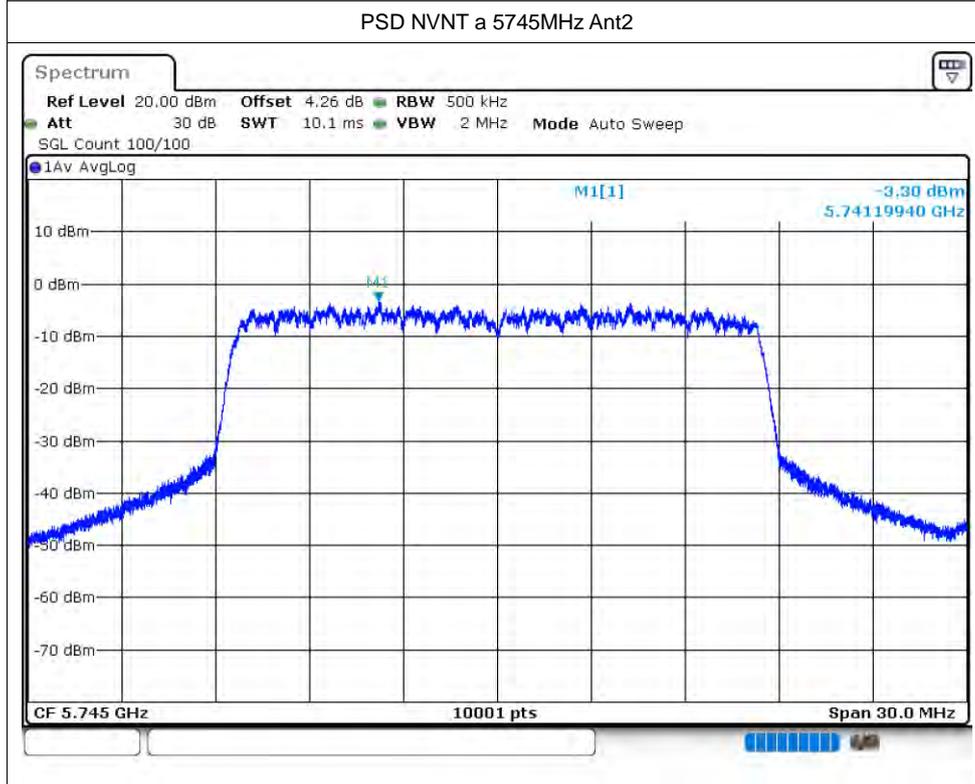
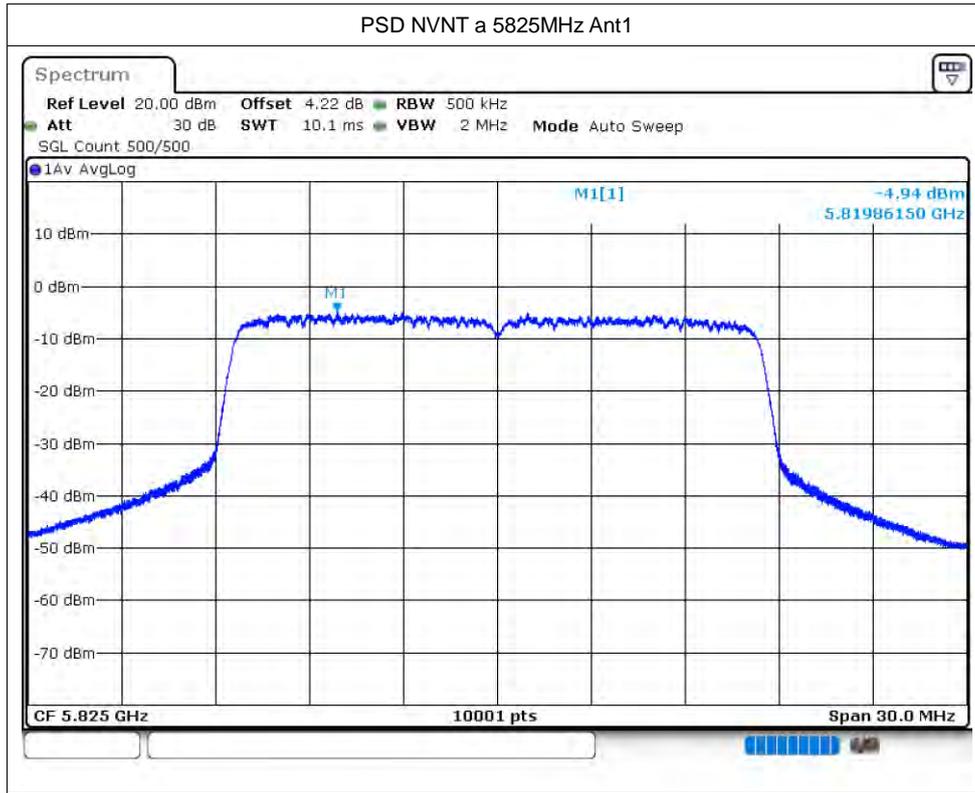
Test Graphs

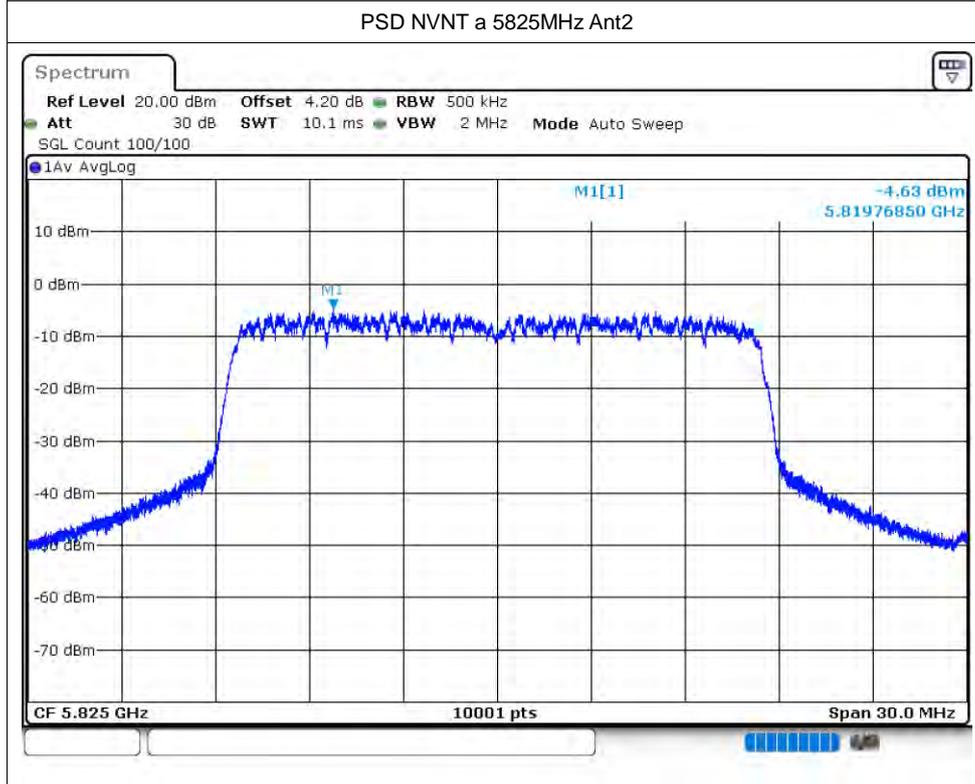
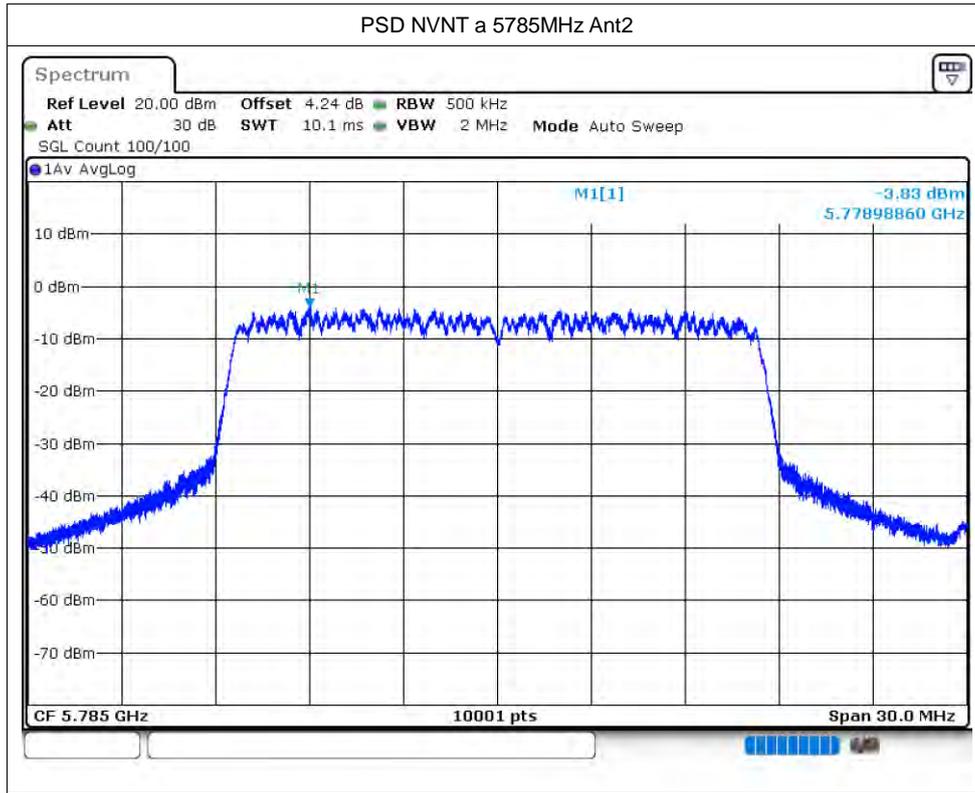
PSD NVNT a 5745MHz Ant1

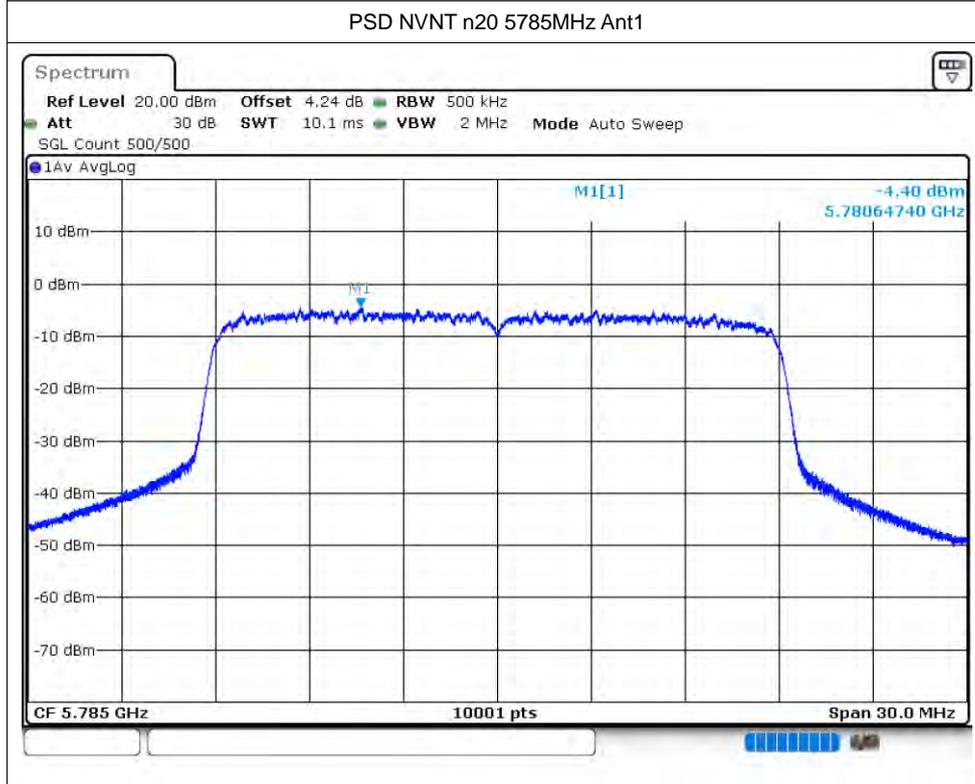
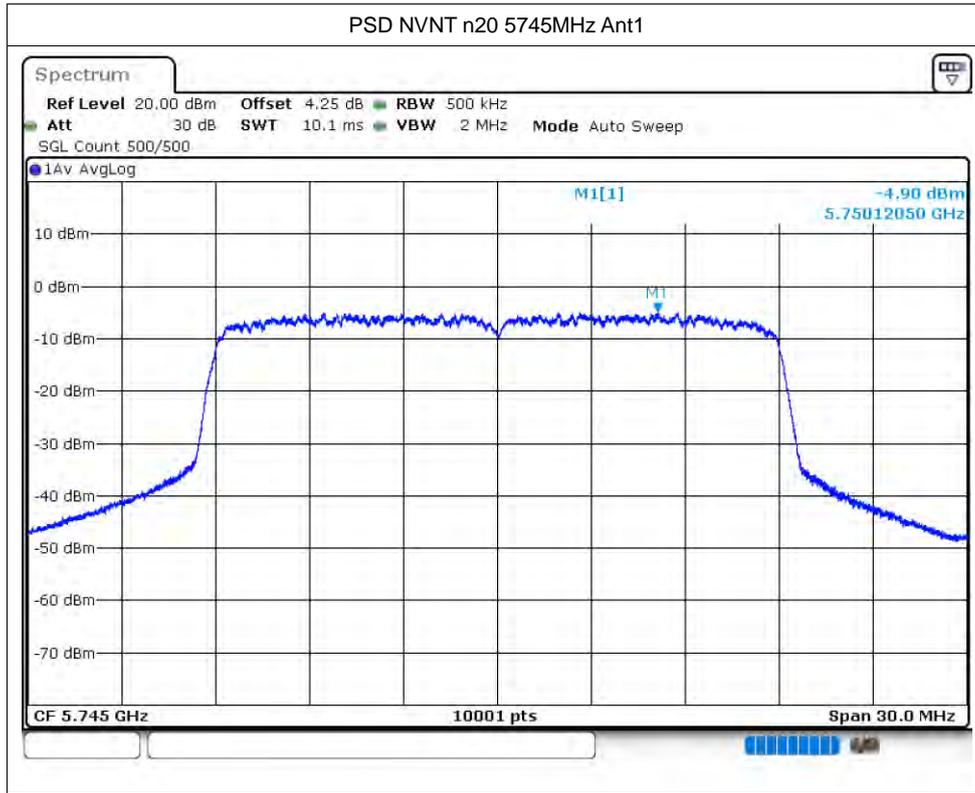


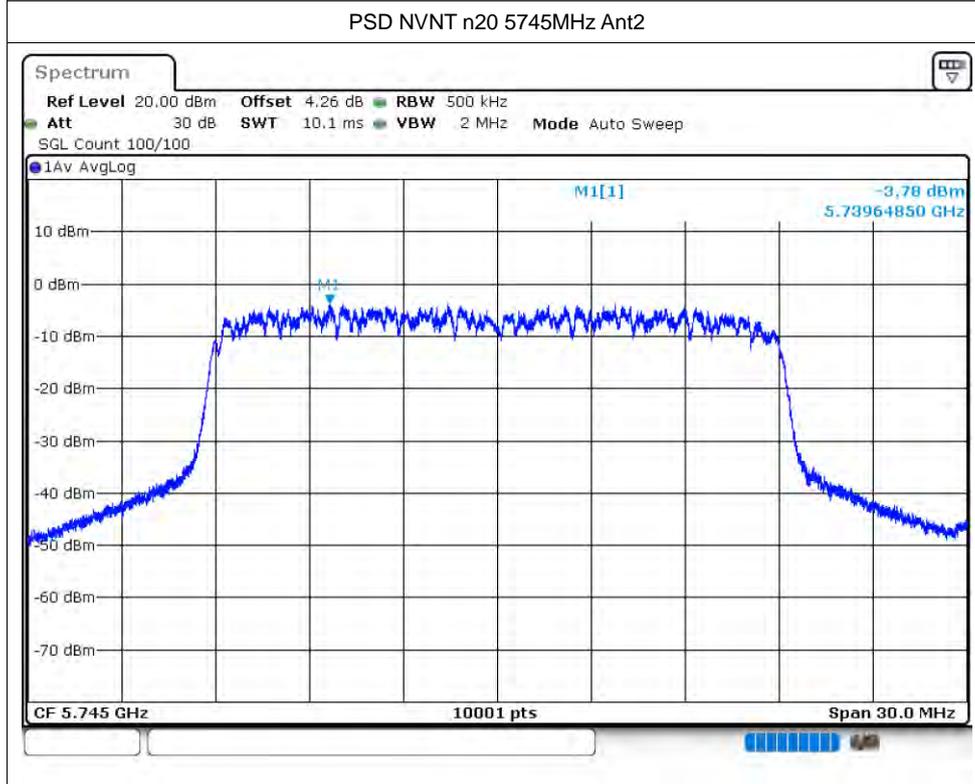
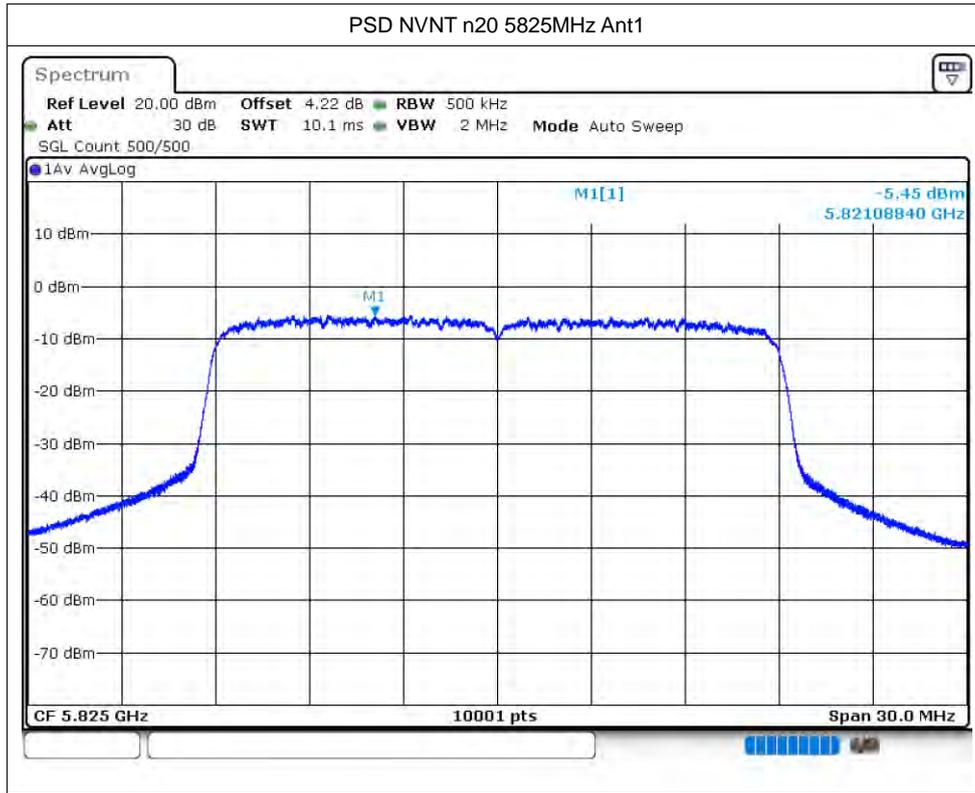
PSD NVNT a 5785MHz Ant1

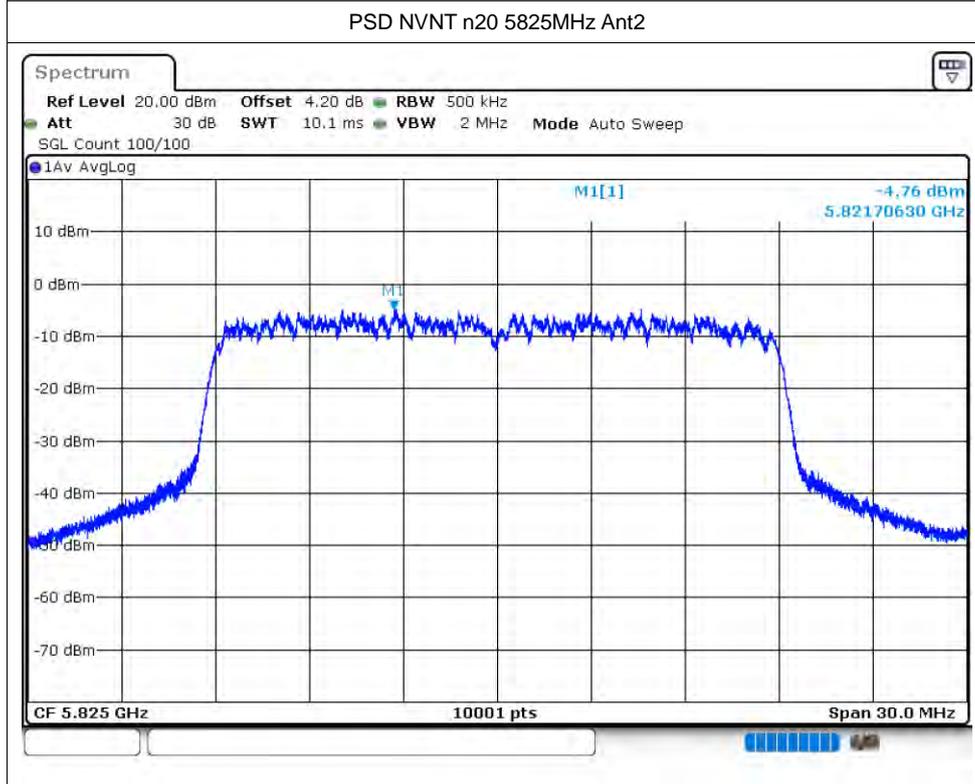
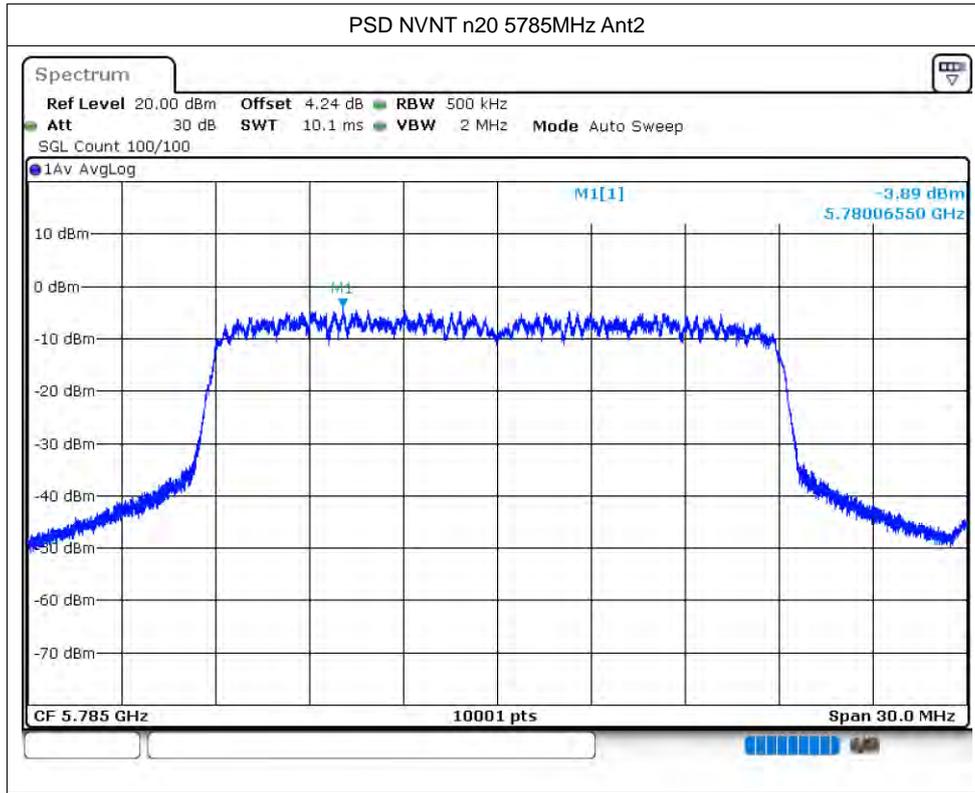


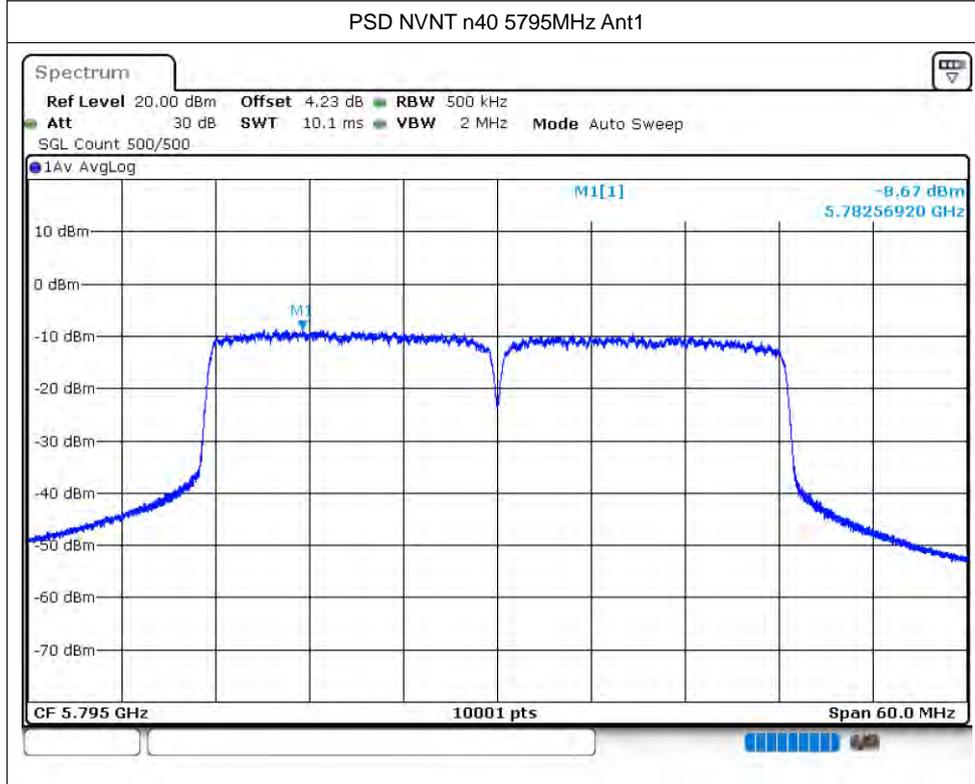
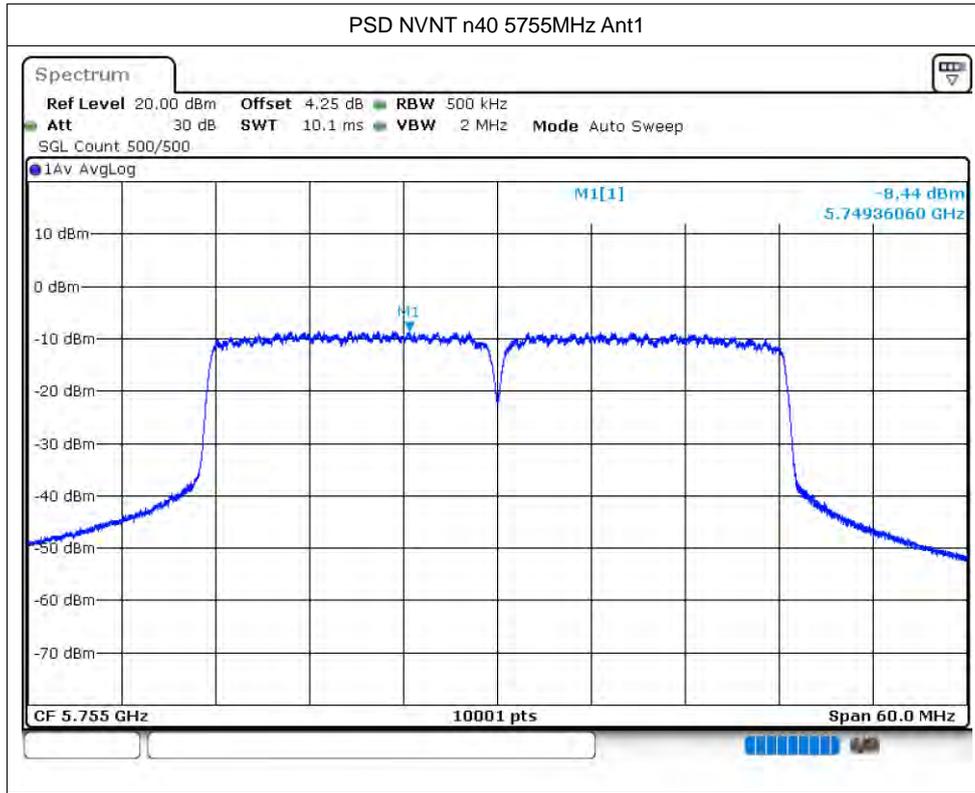


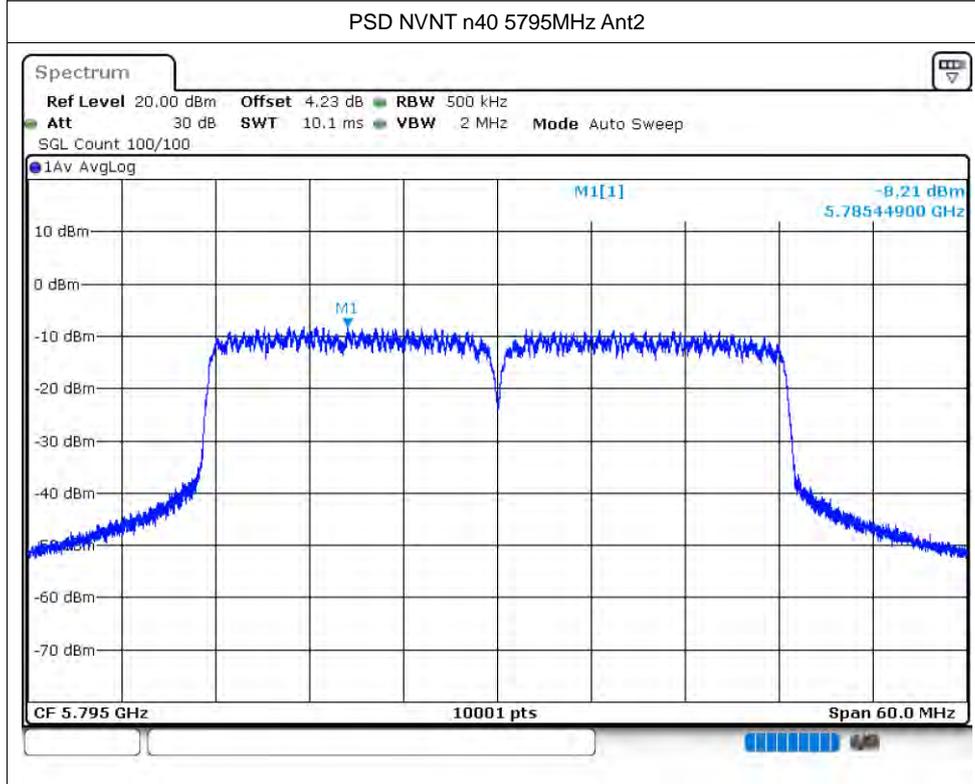
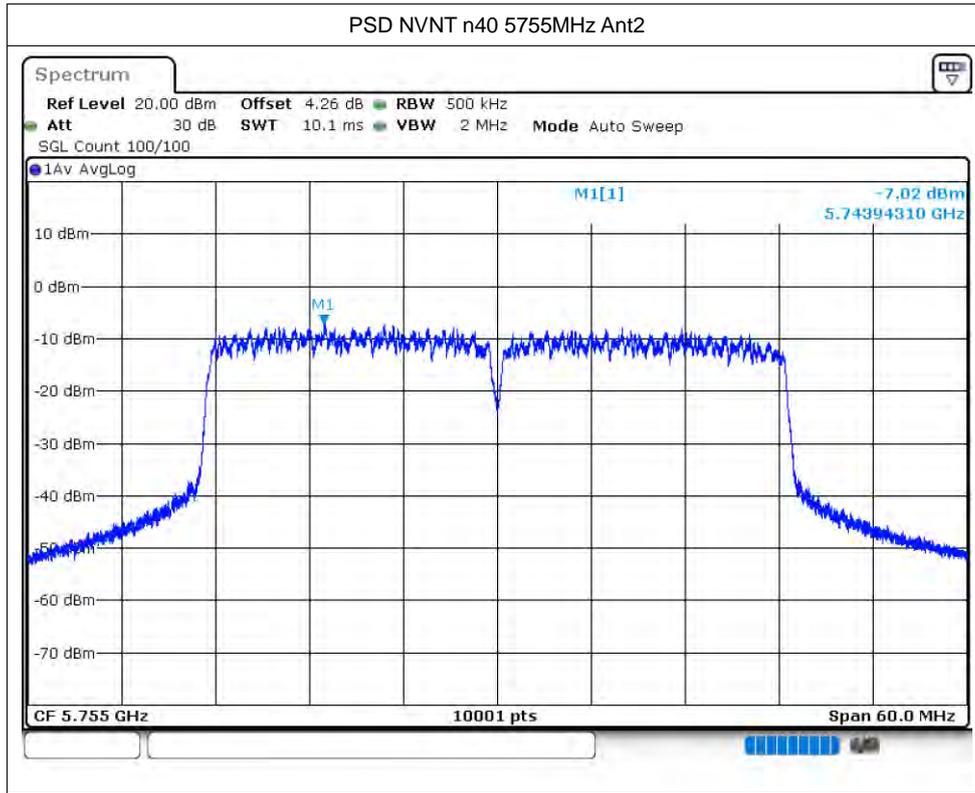








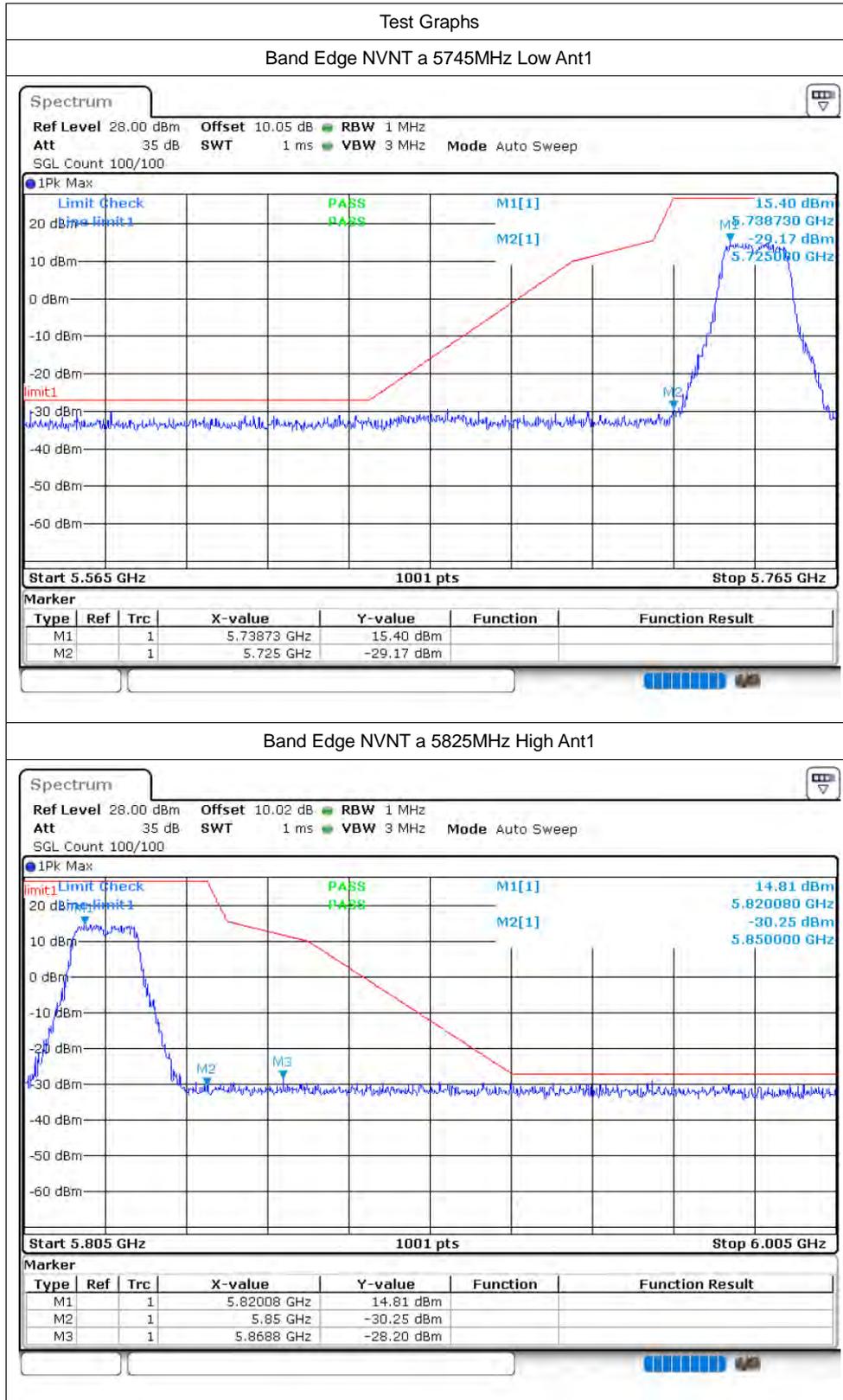


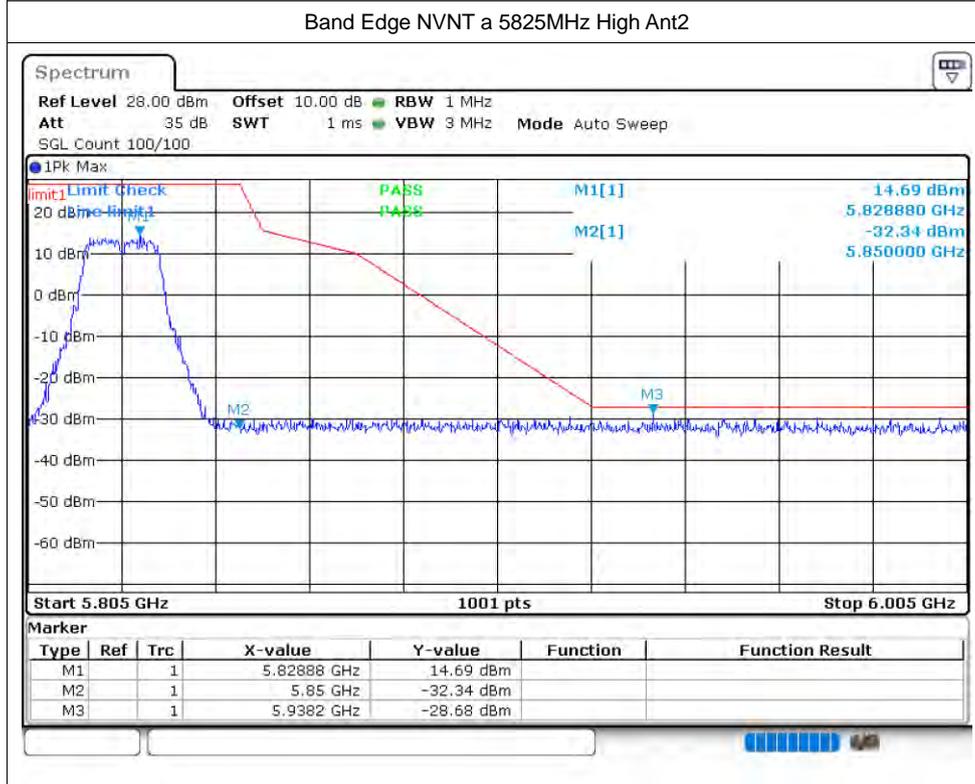
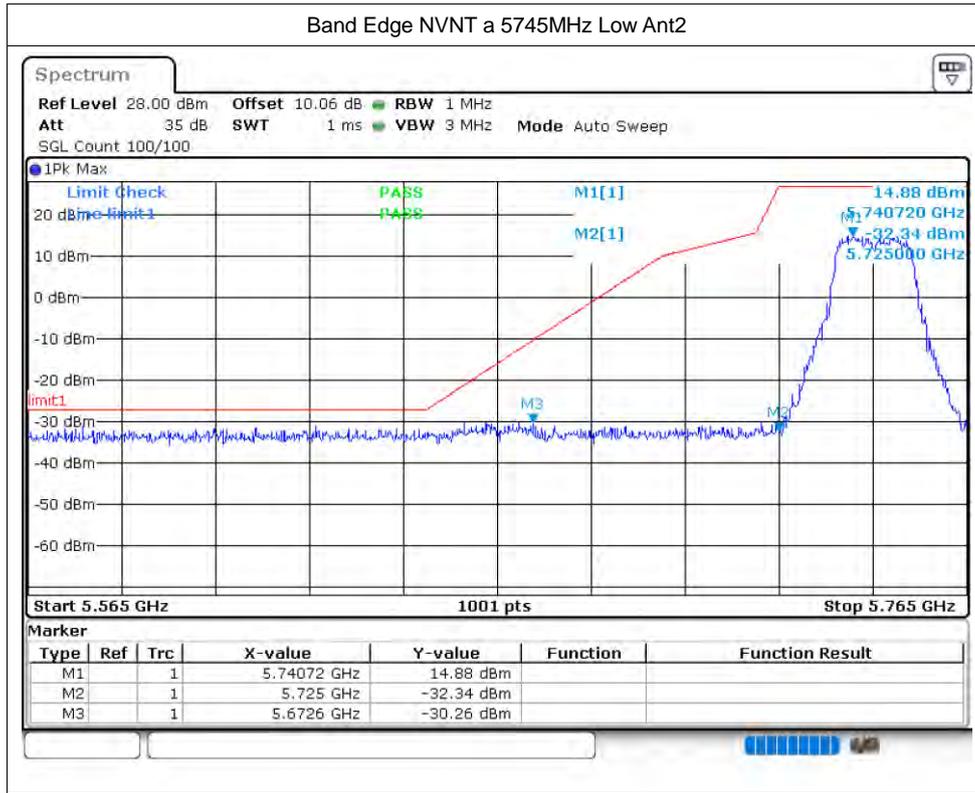


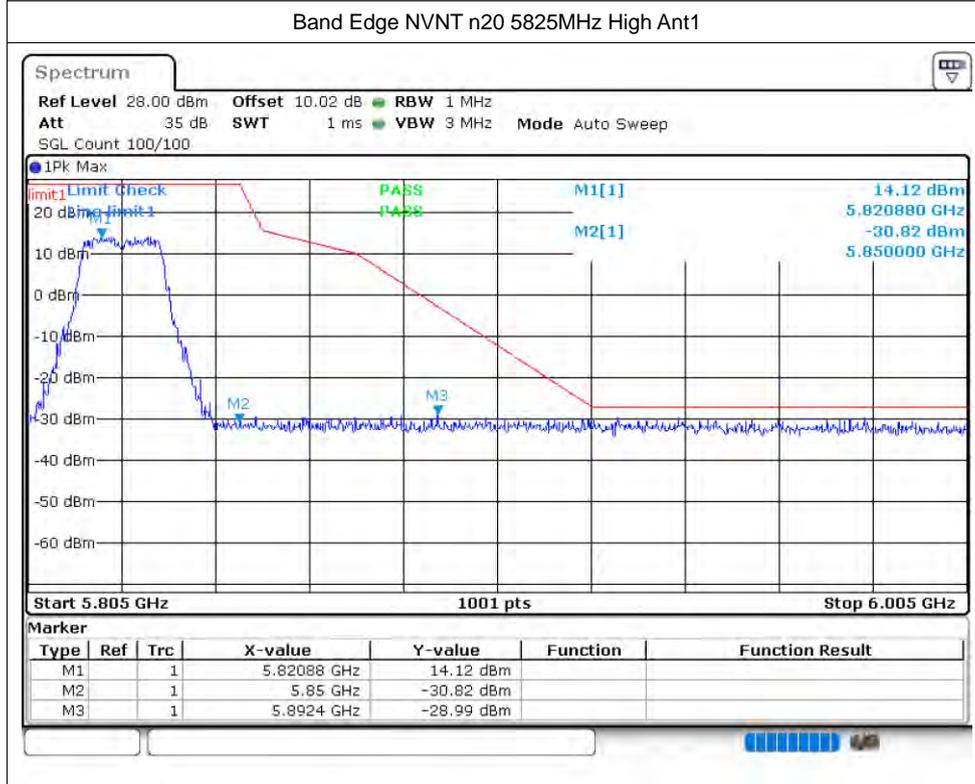
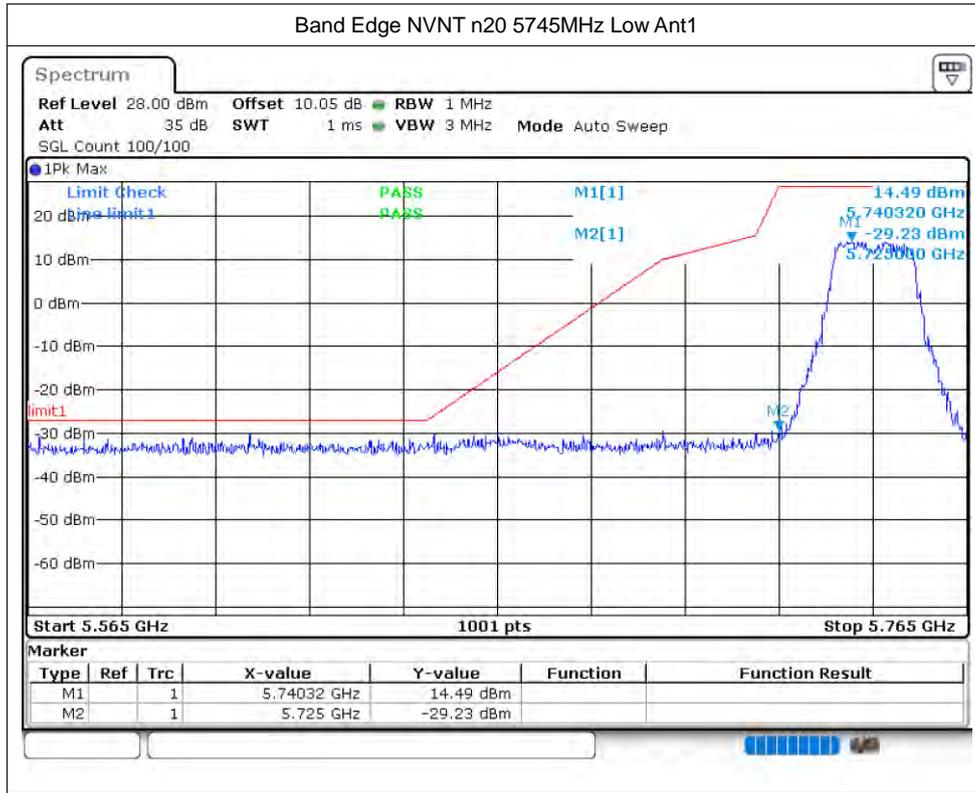
Band Edge

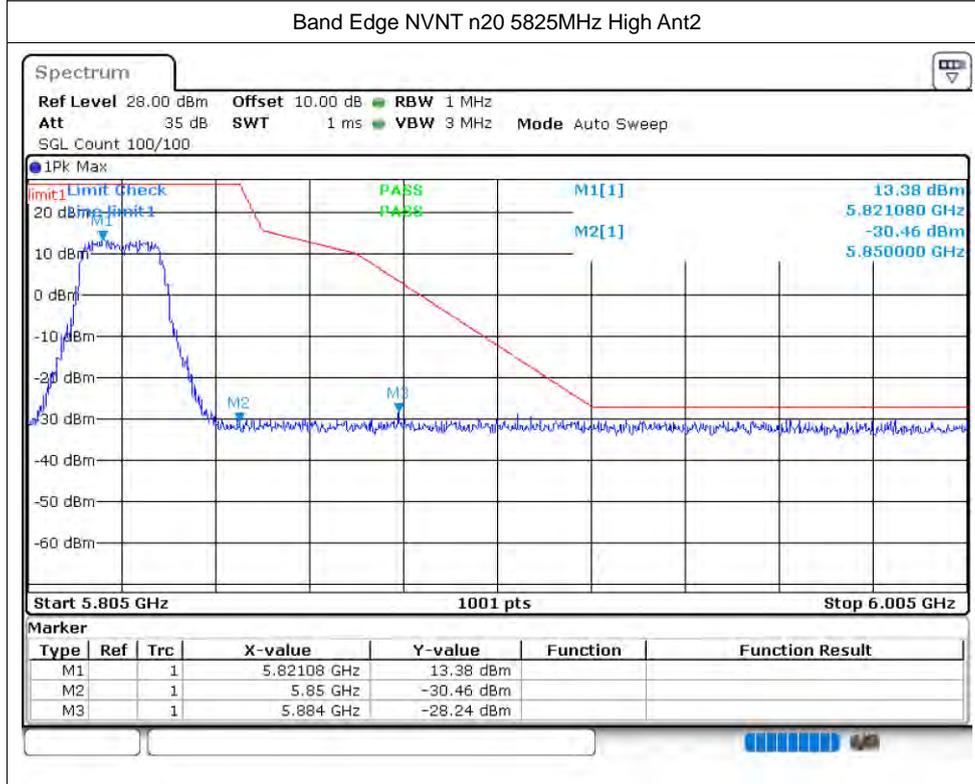
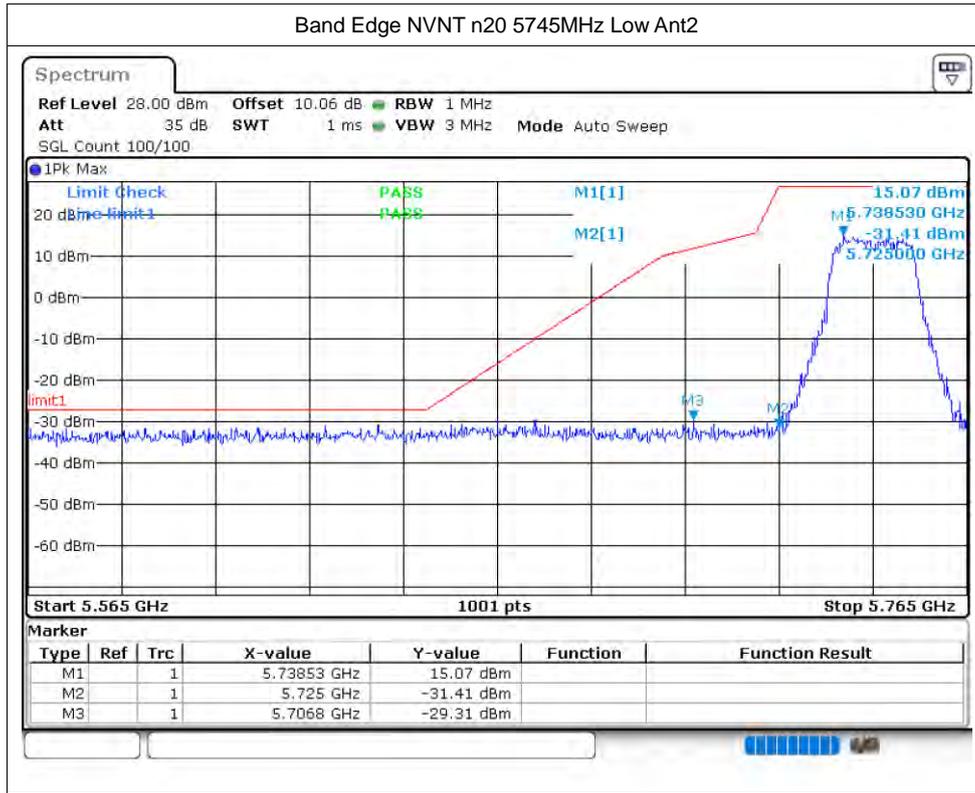
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5745	Ant1	-29.16	Pass
NVNT	a	5825	Ant1	-28.19	Pass
NVNT	a	5745	Ant2	-30.25	Pass
NVNT	a	5825	Ant2	-28.67	Pass
NVNT	n20	5745	Ant1	-29.23	Pass
NVNT	n20	5825	Ant1	-28.99	Pass
NVNT	n20	5745	Ant2	-29.31	Pass
NVNT	n20	5825	Ant2	-28.23	Pass
NVNT	n40	5755	Ant1	-20.99	Pass
NVNT	n40	5795	Ant1	-28.55	Pass
NVNT	n40	5755	Ant2	-24.9	Pass
NVNT	n40	5795	Ant2	-29.15	Pass

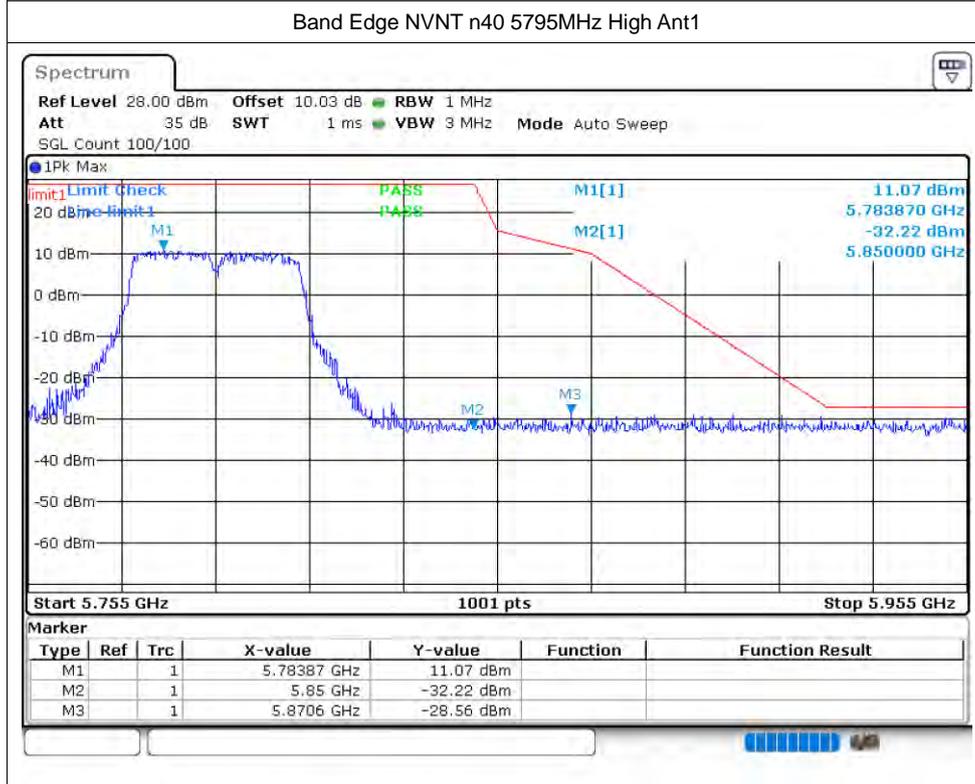
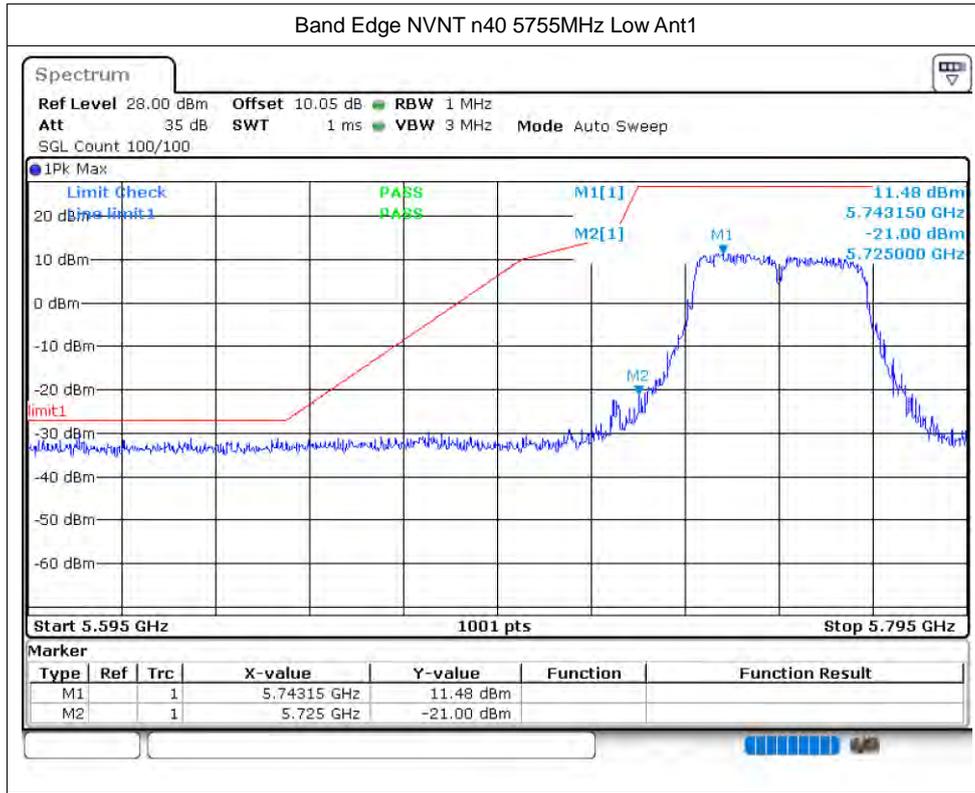
Note: This test has increased antenna gain .

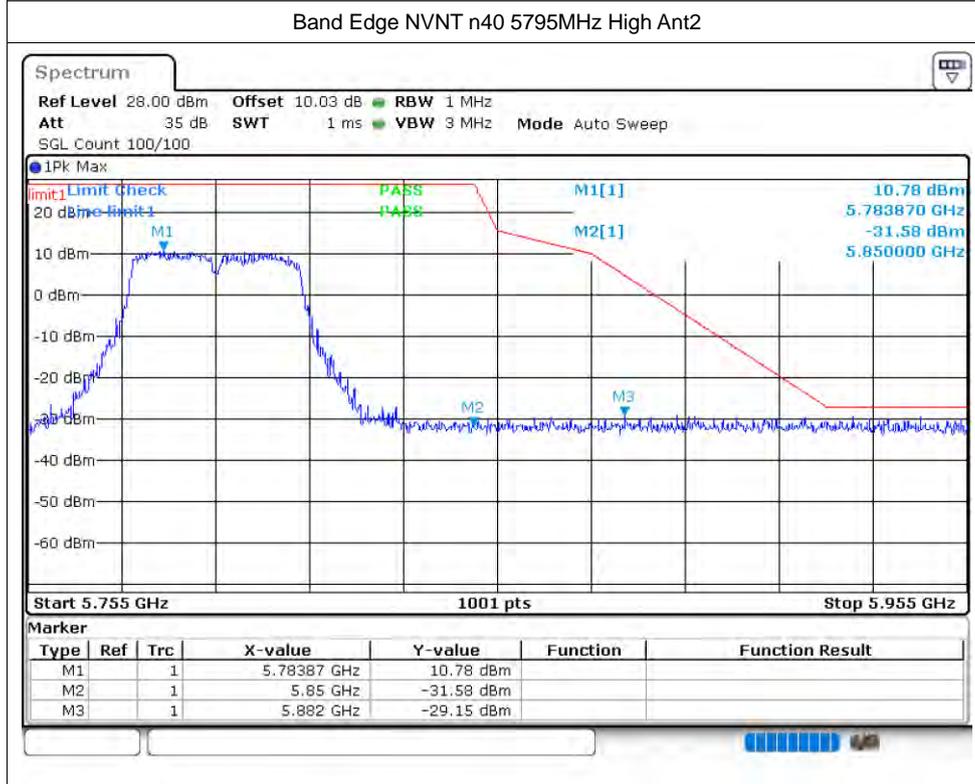
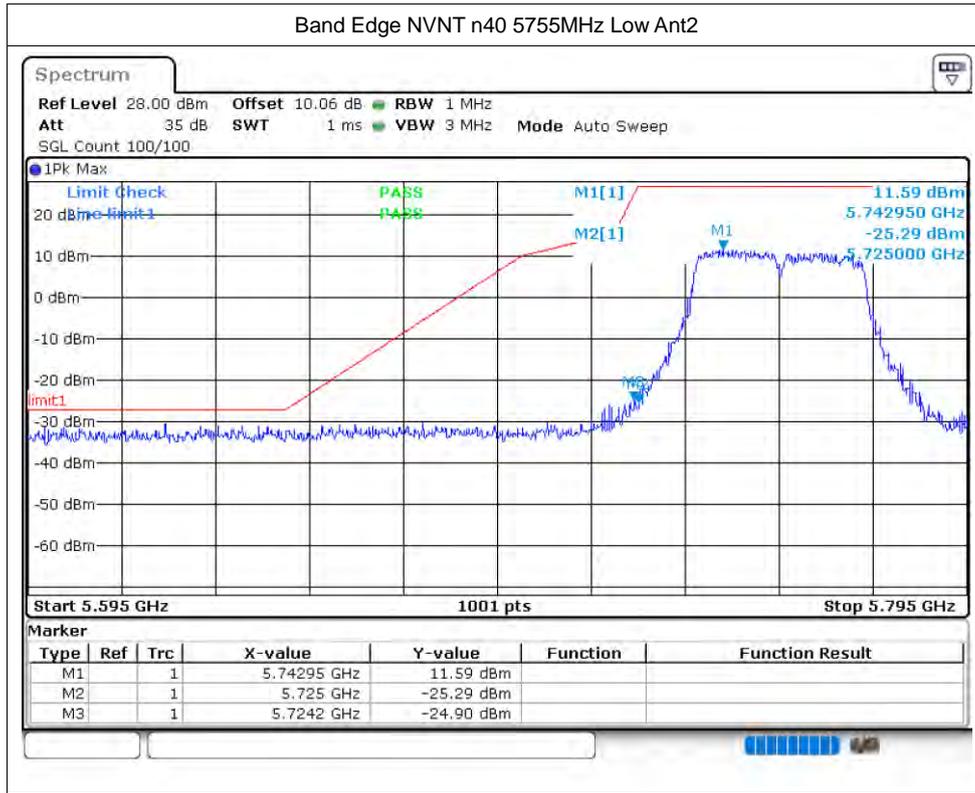












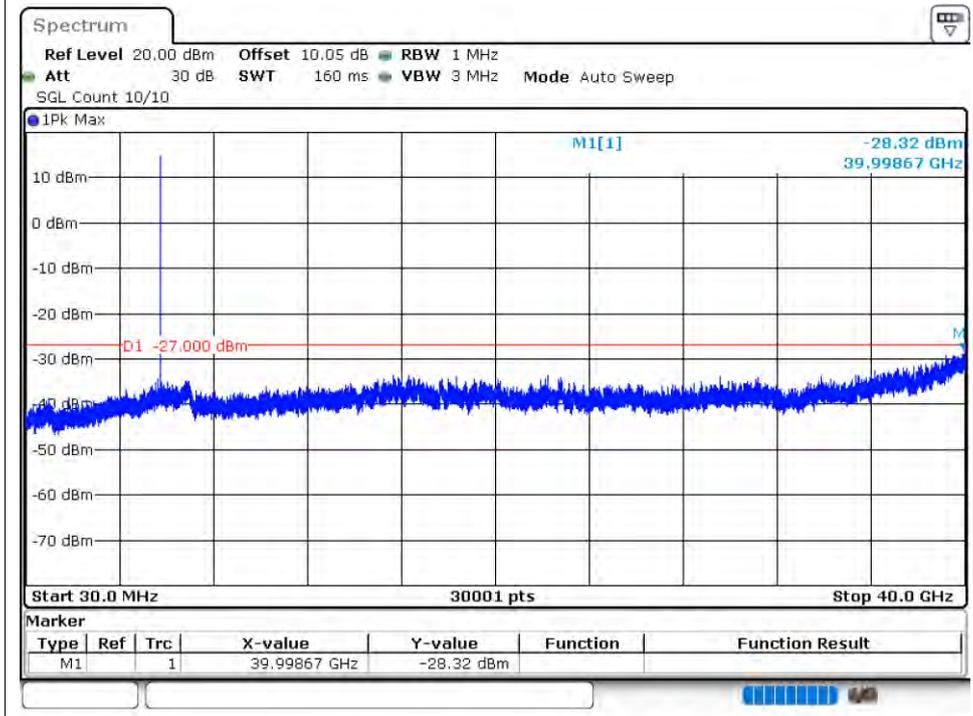
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-28.32	-27	Pass
NVNT	a	5785	Ant1	-27.47	-27	Pass
NVNT	a	5825	Ant1	-27.85	-27	Pass
NVNT	a	5745	Ant2	-27.53	-27	Pass
NVNT	a	5785	Ant2	-28.93	-27	Pass
NVNT	a	5825	Ant2	-29.06	-27	Pass
NVNT	n20	5745	Ant1	-28.2	-27	Pass
NVNT	n20	5785	Ant1	-28.51	-27	Pass
NVNT	n20	5825	Ant1	-28.05	-27	Pass
NVNT	n20	5745	Ant2	-28.06	-27	Pass
NVNT	n20	5785	Ant2	-28.07	-27	Pass
NVNT	n20	5825	Ant2	-28.45	-27	Pass
NVNT	n40	5755	Ant1	-27.88	-27	Pass
NVNT	n40	5795	Ant1	-27.05	-27	Pass
NVNT	n40	5755	Ant2	-27.64	-27	Pass
NVNT	n40	5795	Ant2	-27.63	-27	Pass

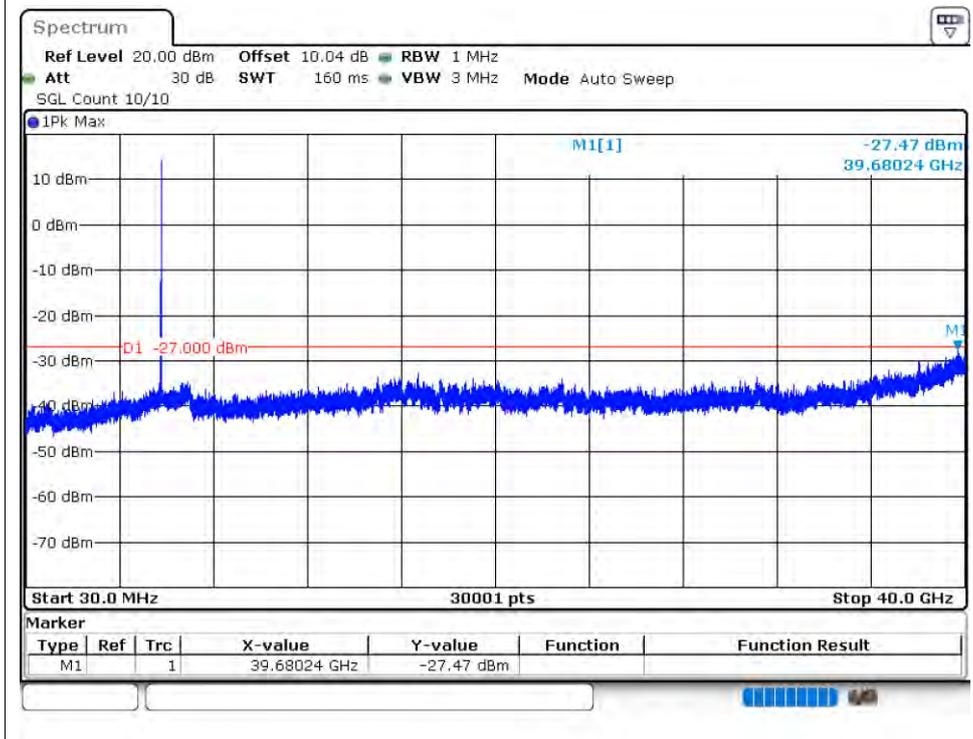
Note: This test has increased antenna gain .

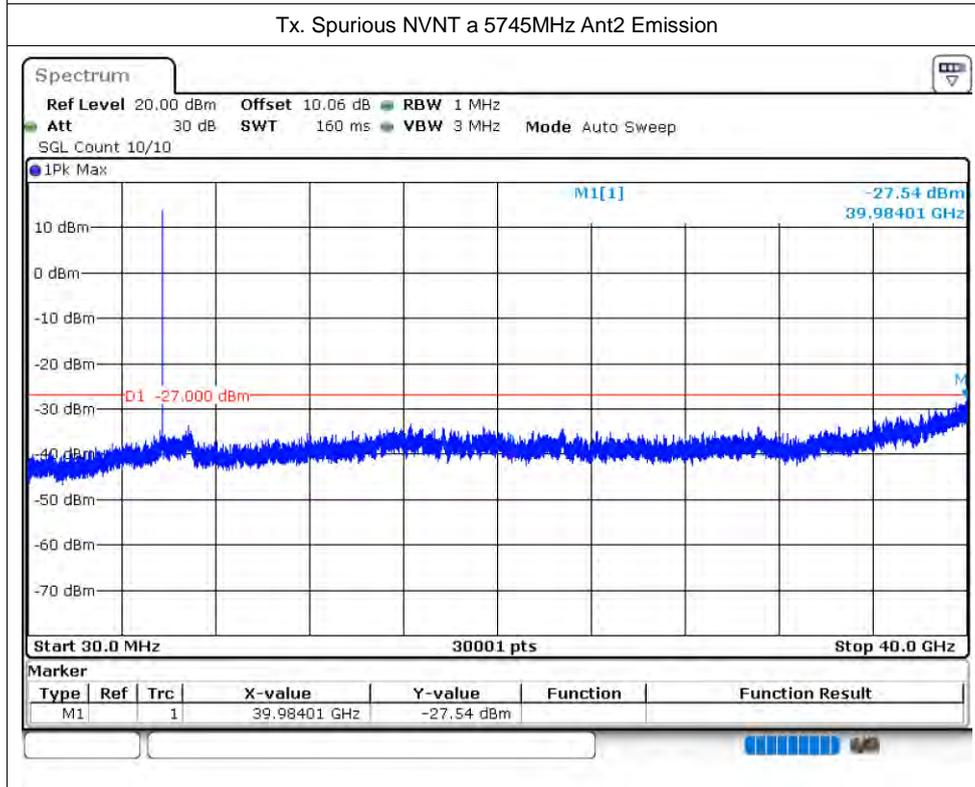
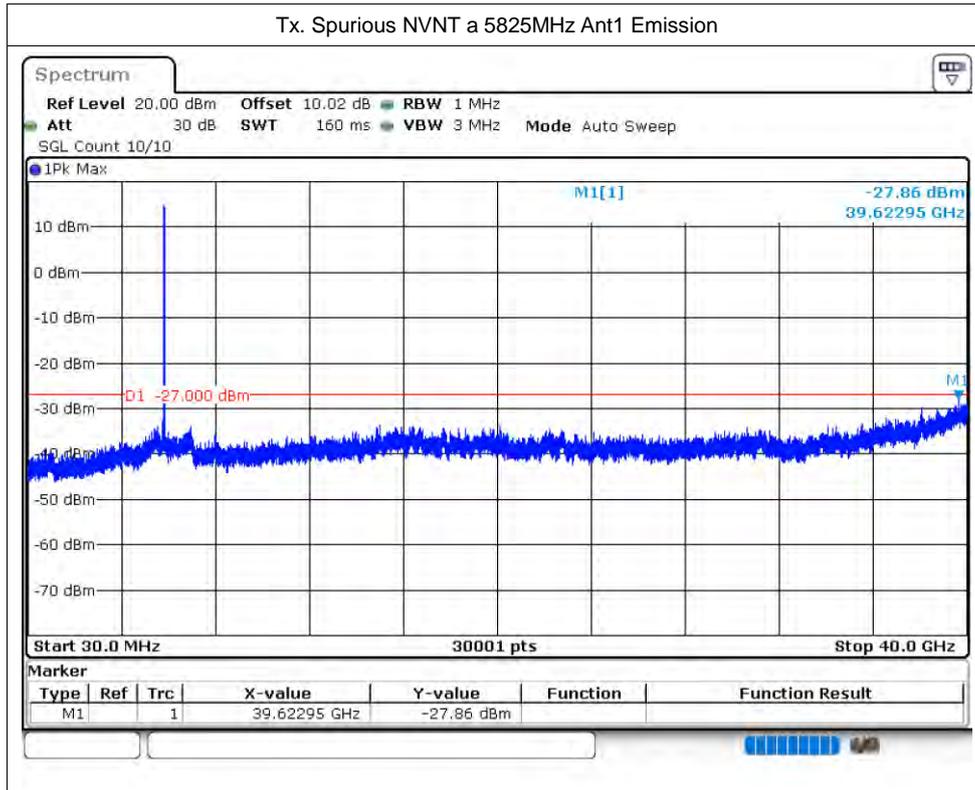
Test Graphs

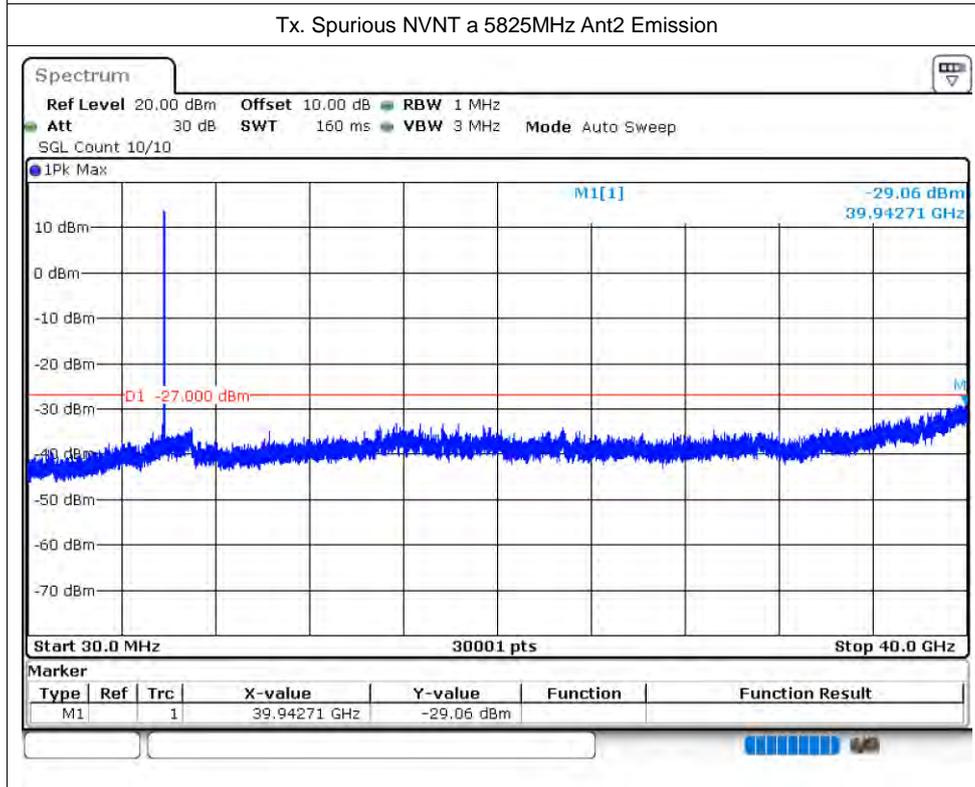
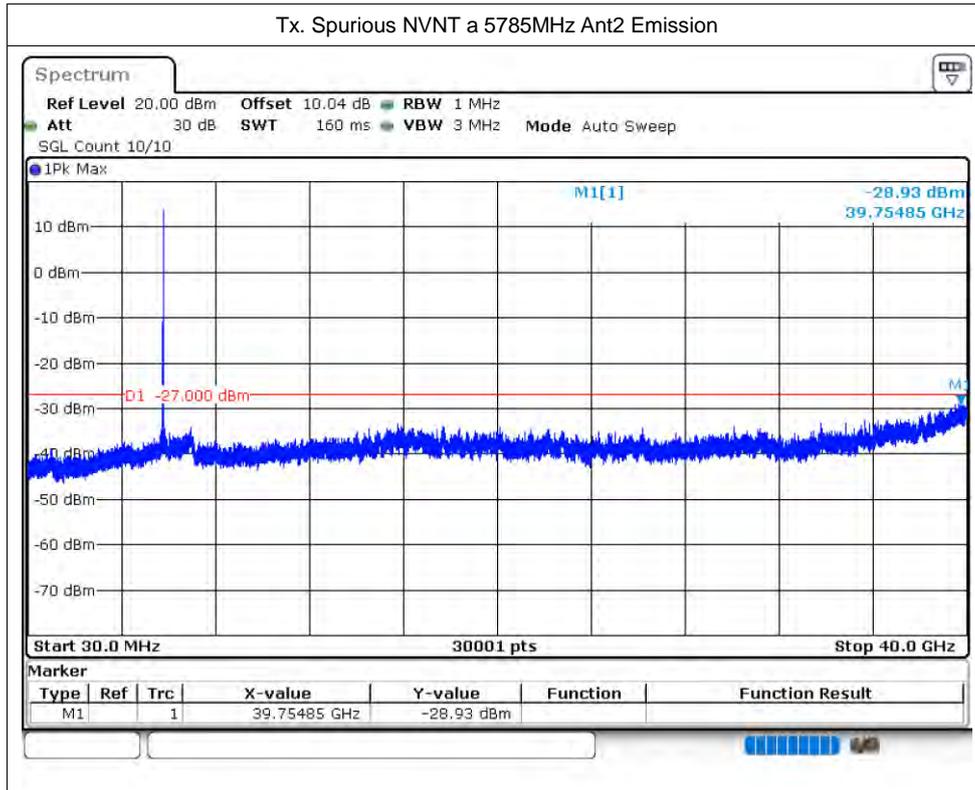
Tx. Spurious NVNT a 5745MHz Ant1 Emission

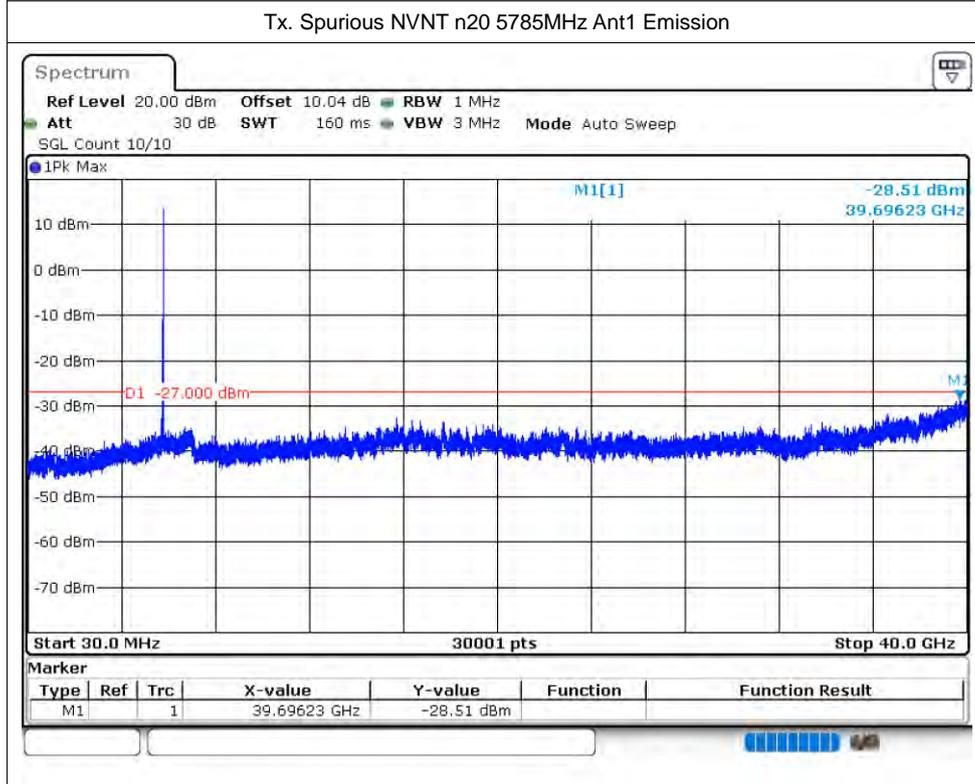
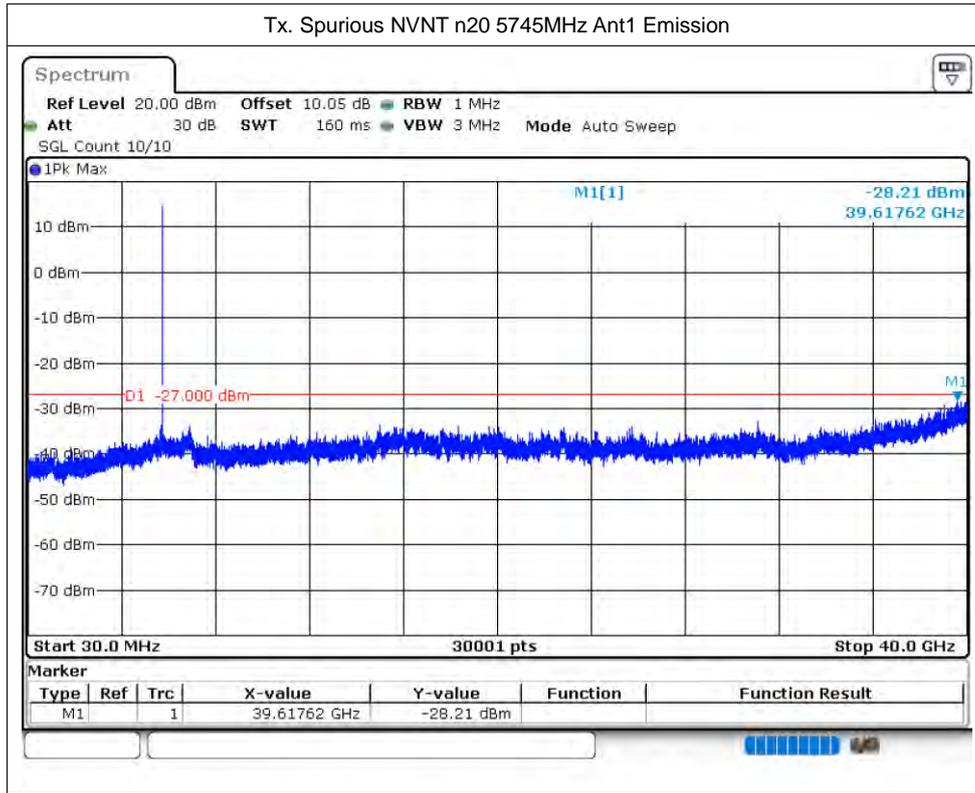


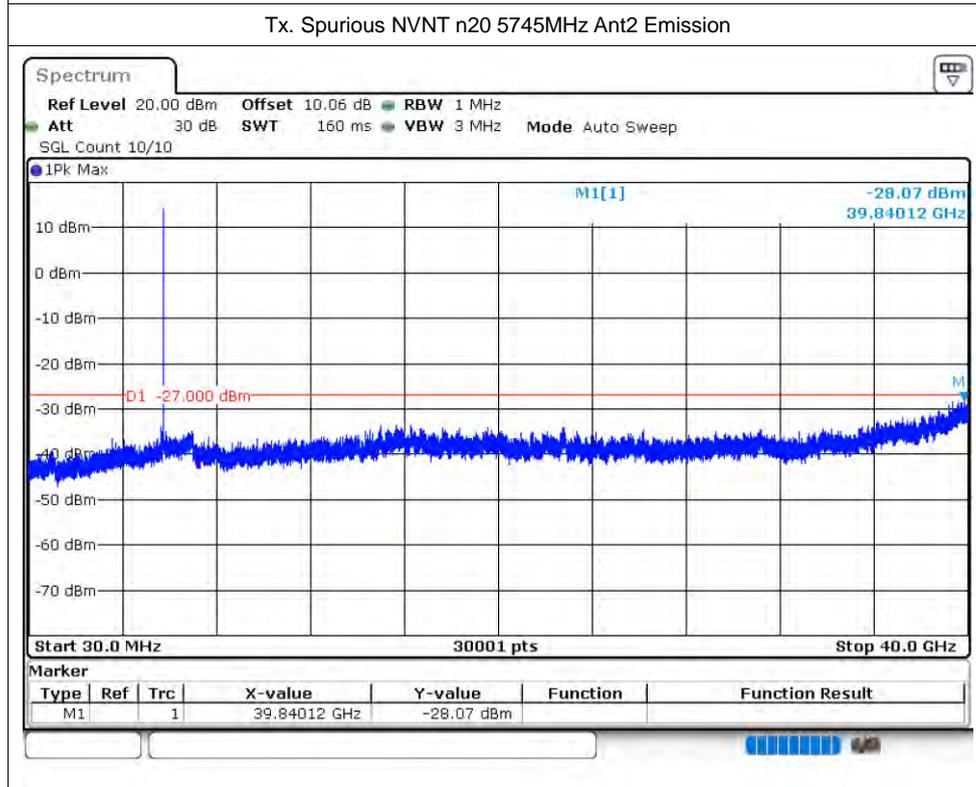
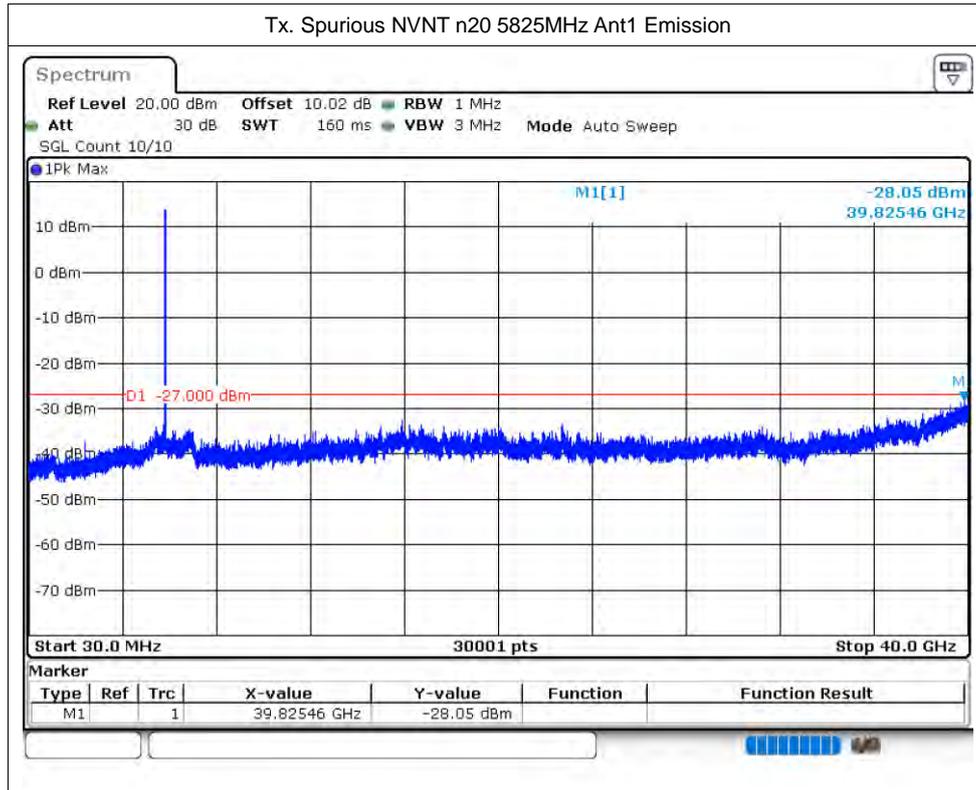
Tx. Spurious NVNT a 5785MHz Ant1 Emission

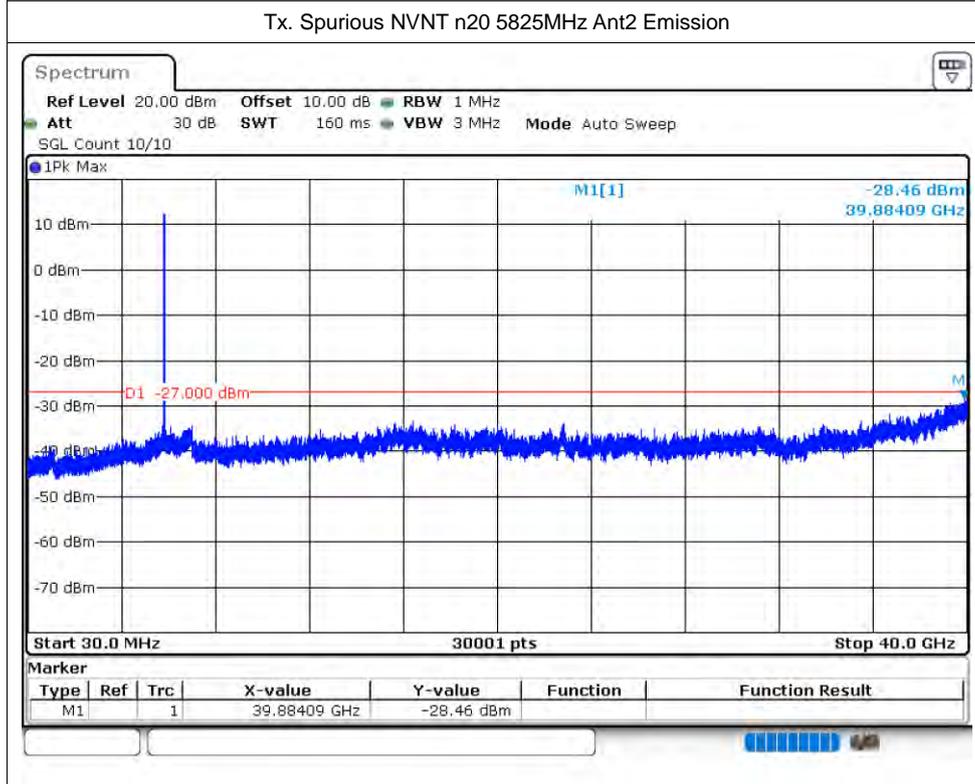
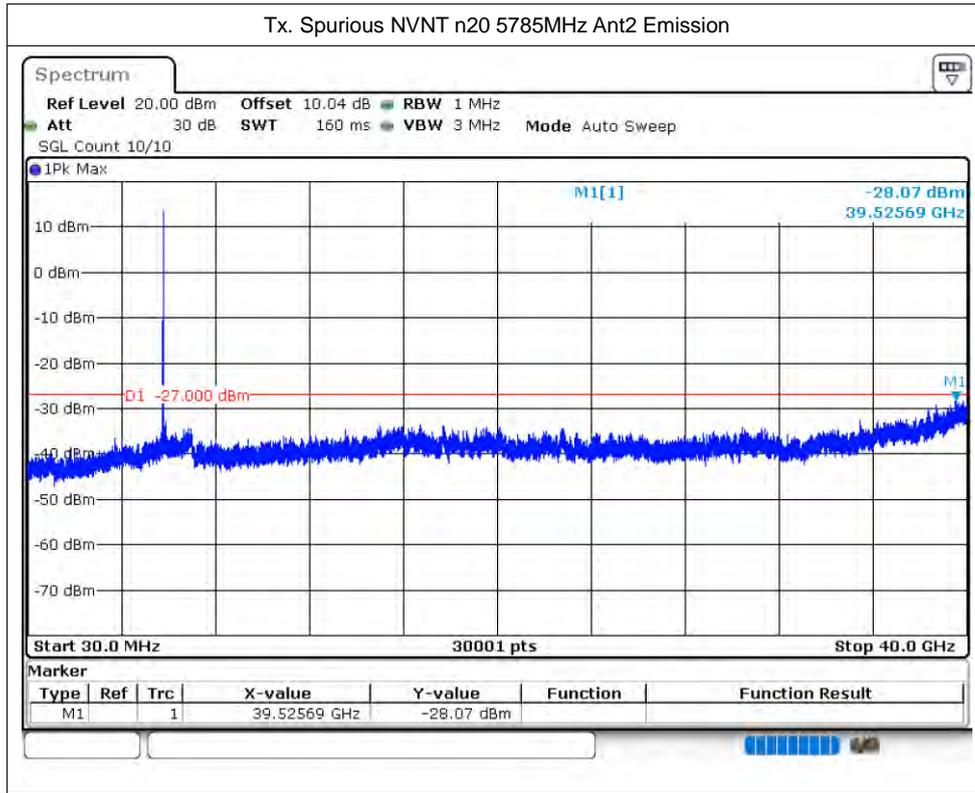


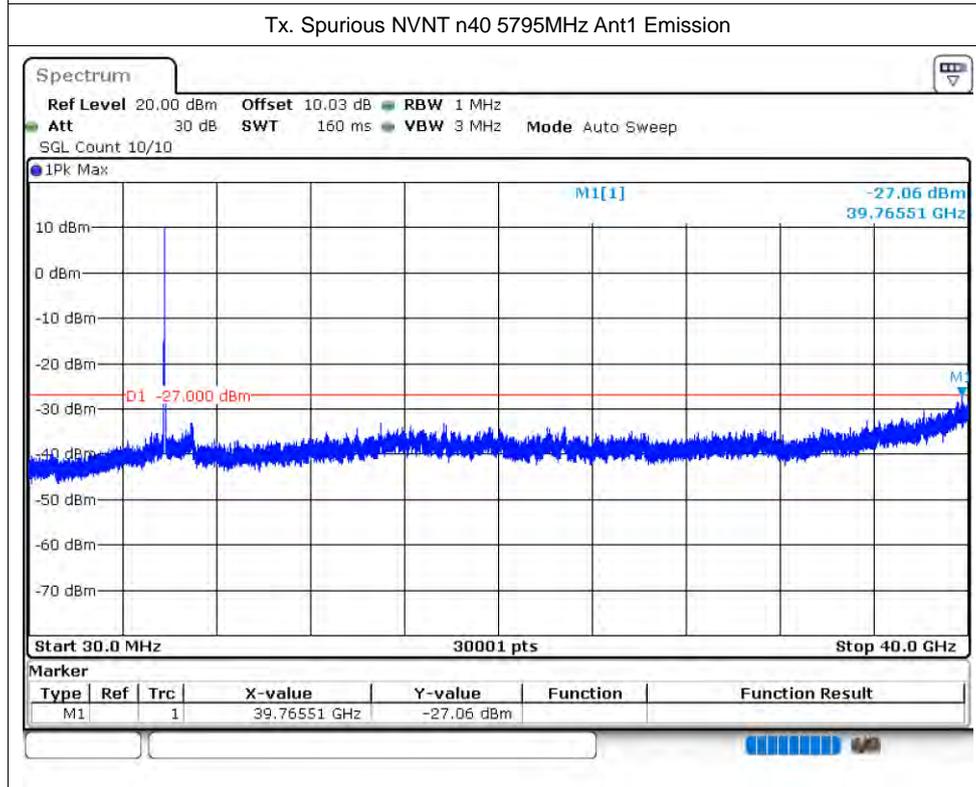
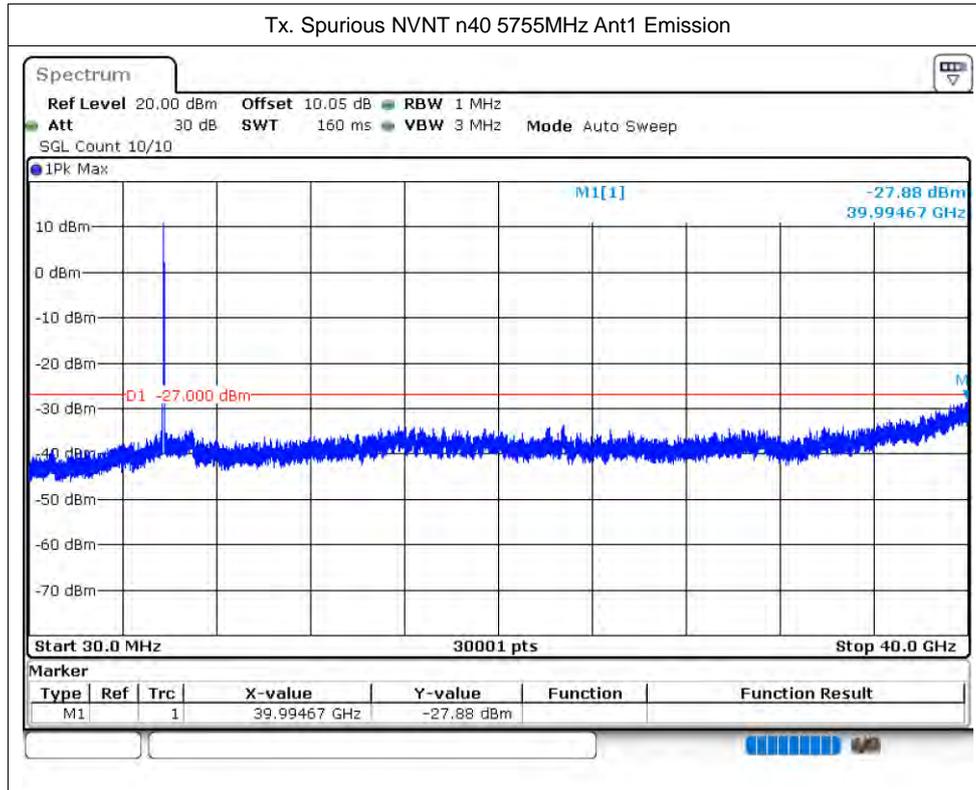


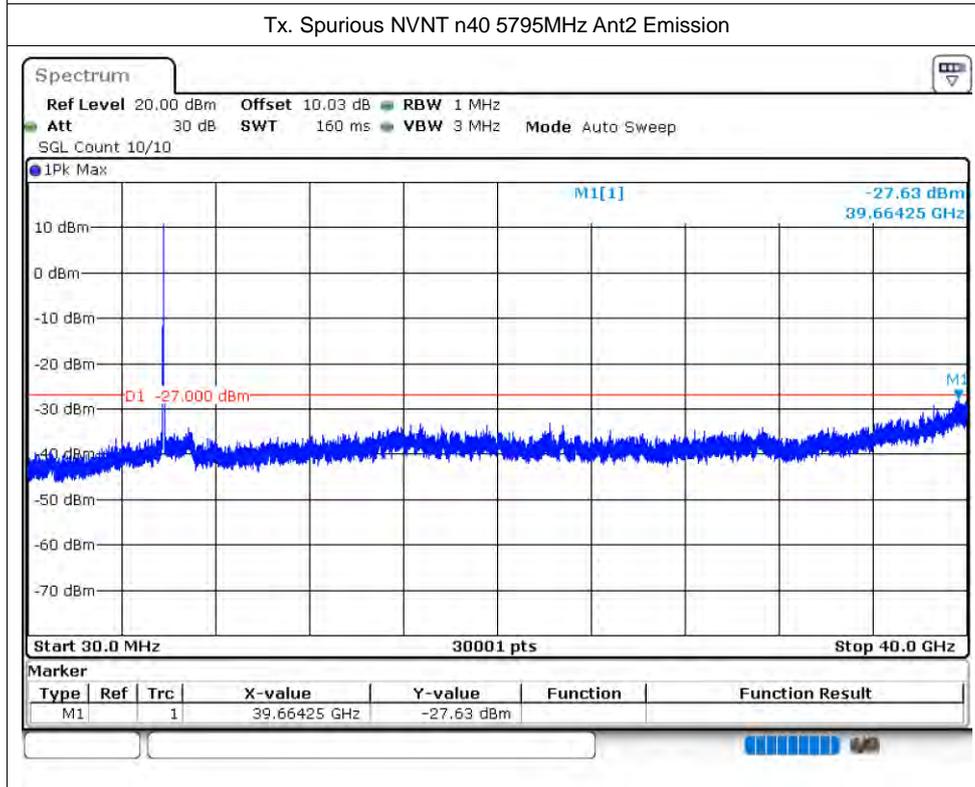
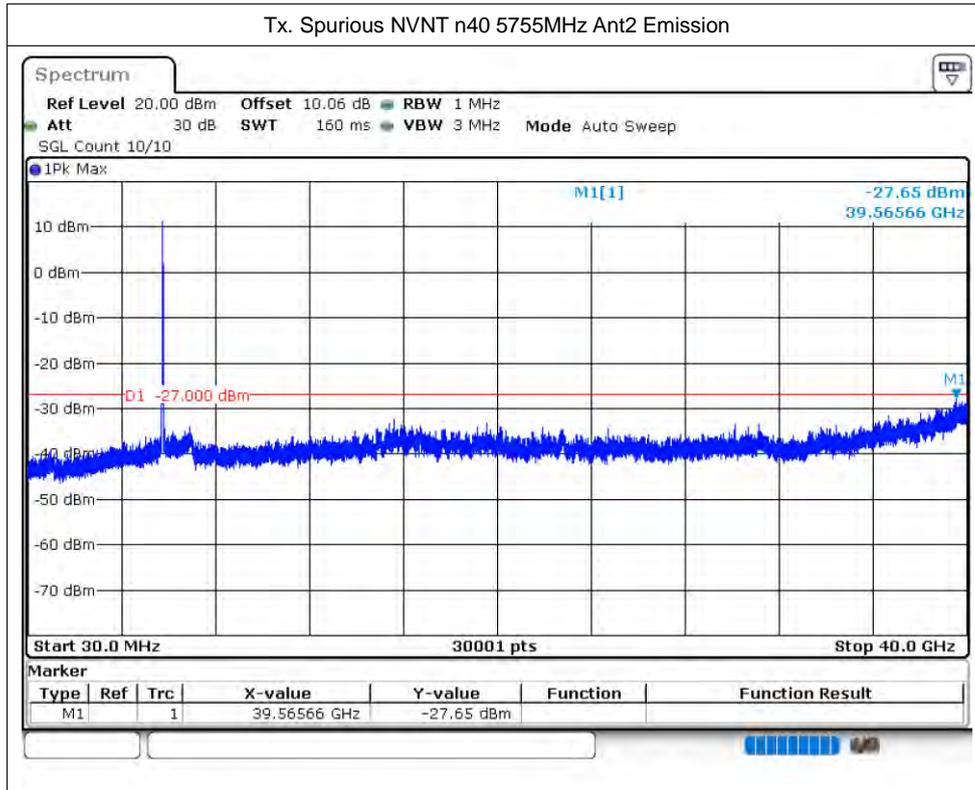












5.8G-MIMO:

Maximum Conducted Output Power

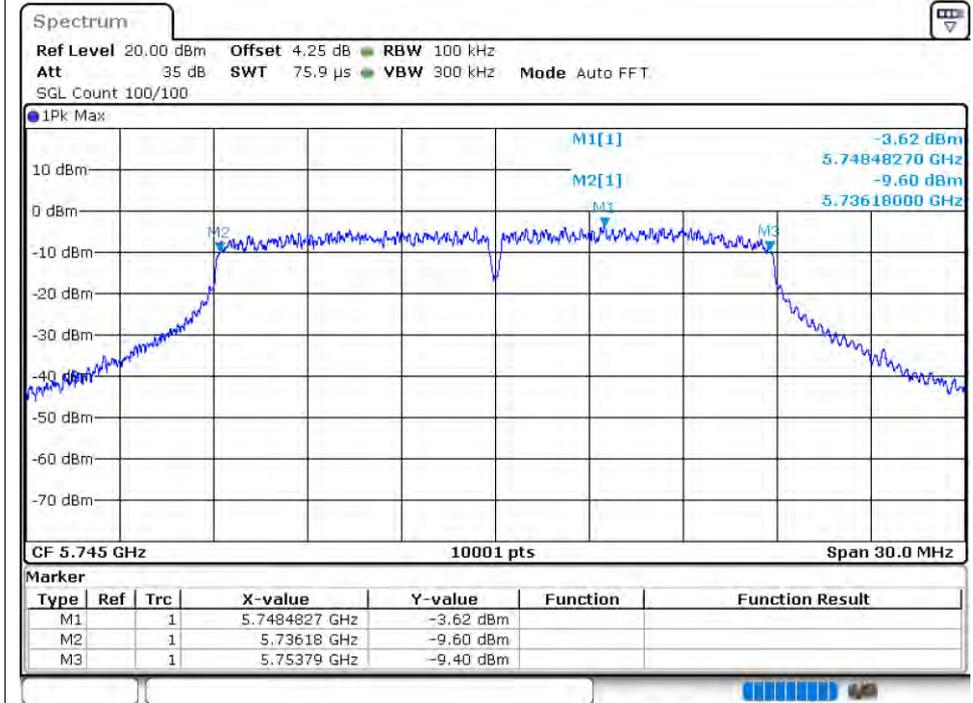
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	n20	5745	Ant1	11.29	--	Pass
NVNT	n20	5745	Ant2	11.39	--	Pass
NVNT	n20	5745	Sum	14.35	27.41	Pass
NVNT	n20	5785	Ant1	11.36	--	Pass
NVNT	n20	5785	Ant2	11.32	--	Pass
NVNT	n20	5785	Sum	14.35	27.41	Pass
NVNT	n20	5825	Ant1	11.59	--	Pass
NVNT	n20	5825	Ant2	10.62	--	Pass
NVNT	n20	5825	Sum	14.14	27.41	Pass
NVNT	n40	5755	Ant1	11.08	--	Pass
NVNT	n40	5755	Ant2	11.23	--	Pass
NVNT	n40	5755	Sum	14.17	27.41	Pass
NVNT	n40	5795	Ant1	11.07	--	Pass
NVNT	n40	5795	Ant2	11.2	--	Pass
NVNT	n40	5795	Sum	14.15	27.41	Pass

-6dB Bandwidth

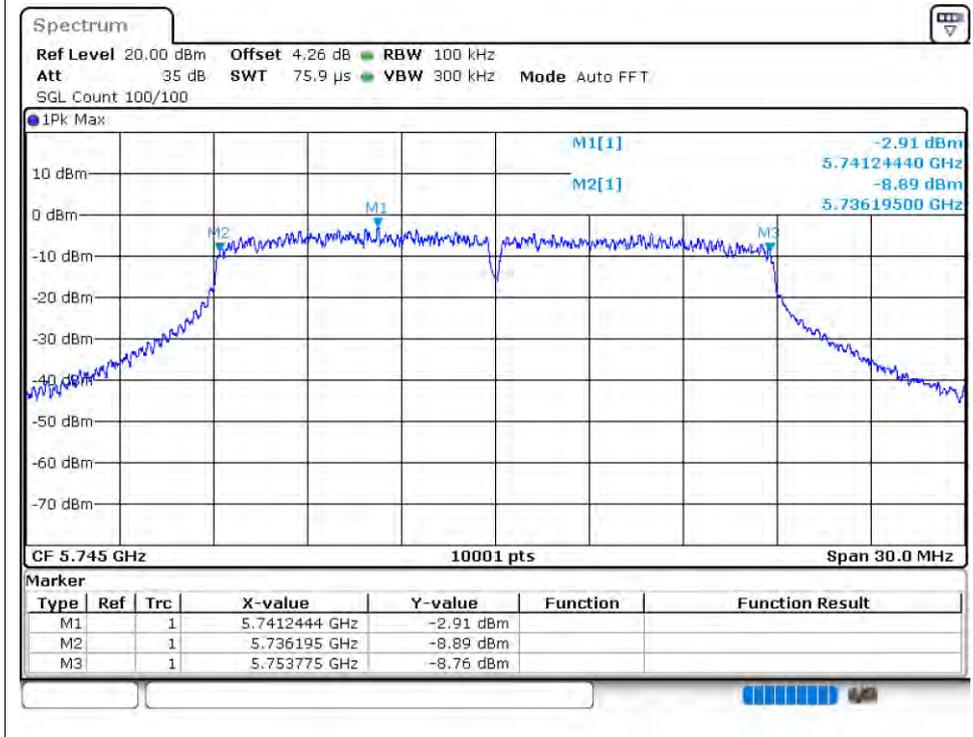
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	n20	5745	Ant1	17.61	0.5	Pass
NVNT	n20	5745	Ant2	17.58	0.5	Pass
NVNT	n20	5785	Ant1	15.912	0.5	Pass
NVNT	n20	5785	Ant2	17.703	0.5	Pass
NVNT	n20	5825	Ant1	17.616	0.5	Pass
NVNT	n20	5825	Ant2	17.289	0.5	Pass
NVNT	n40	5755	Ant1	35.712	0.5	Pass
NVNT	n40	5755	Ant2	36.324	0.5	Pass
NVNT	n40	5795	Ant1	35.448	0.5	Pass
NVNT	n40	5795	Ant2	35.688	0.5	Pass

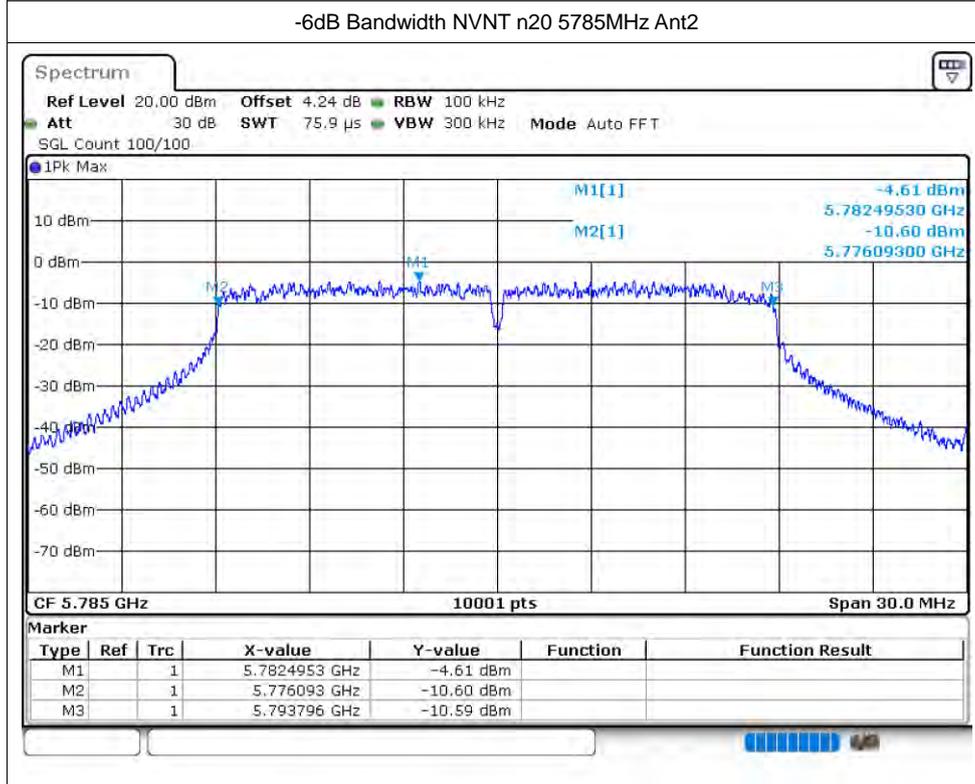
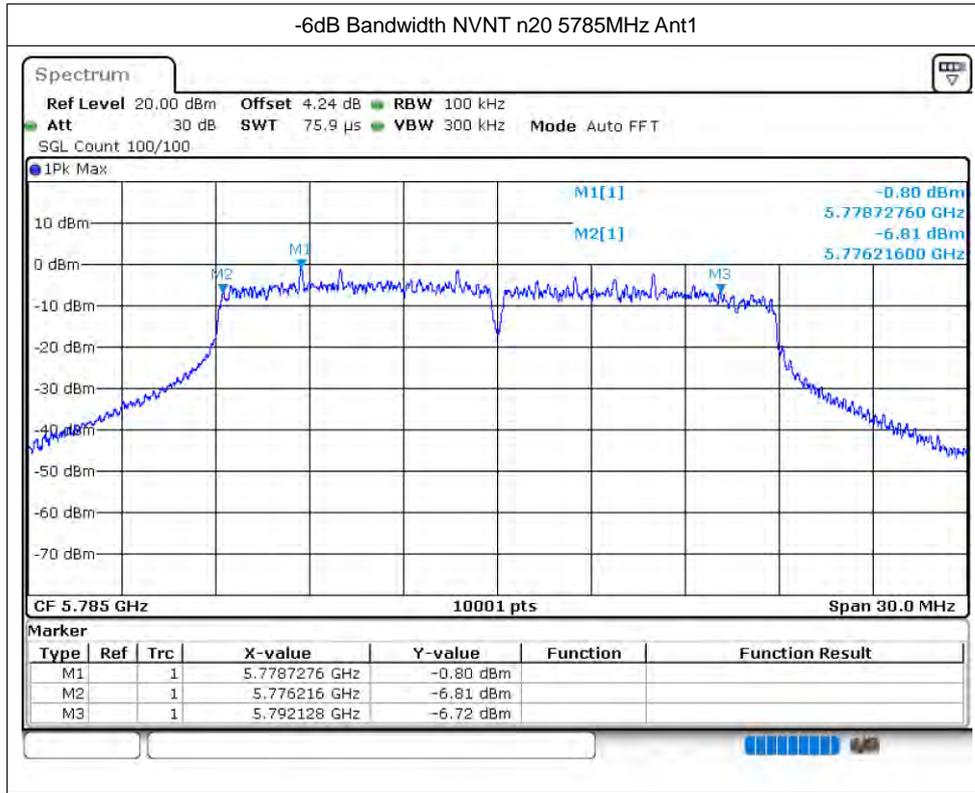
Test Graphs

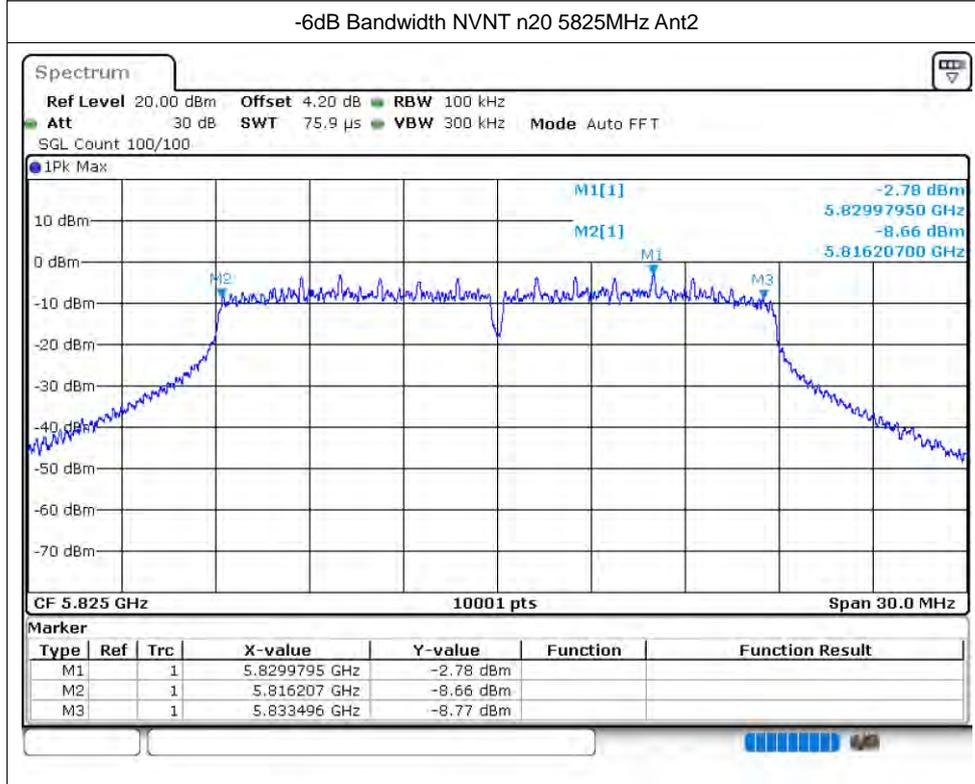
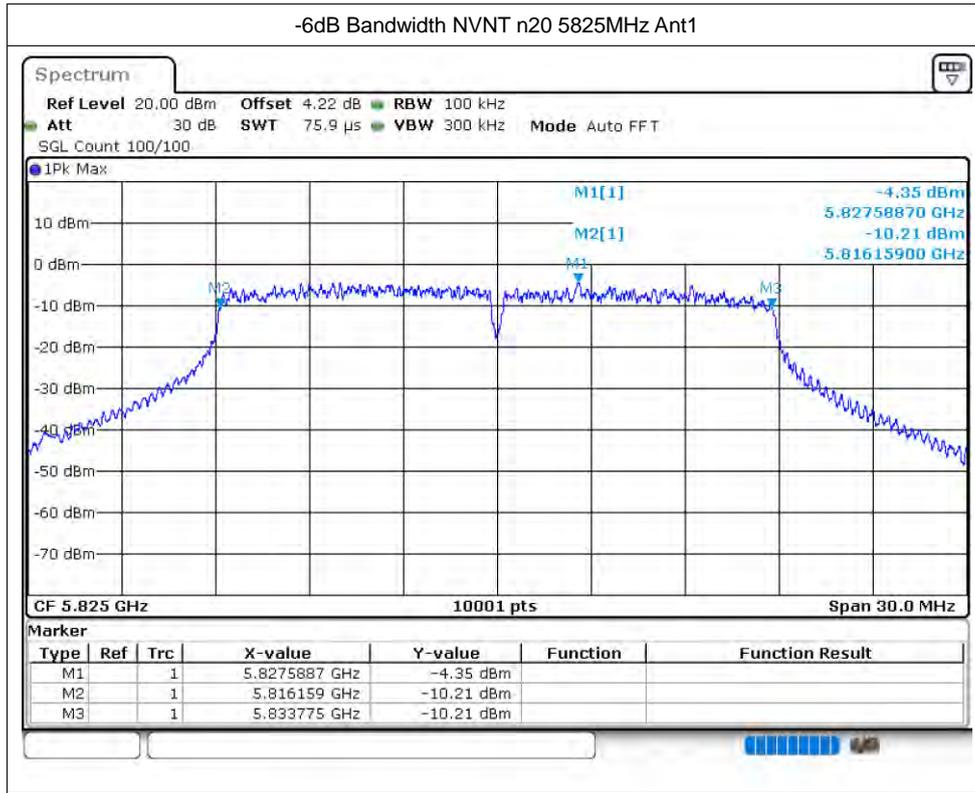
-6dB Bandwidth NVNT n20 5745MHz Ant1

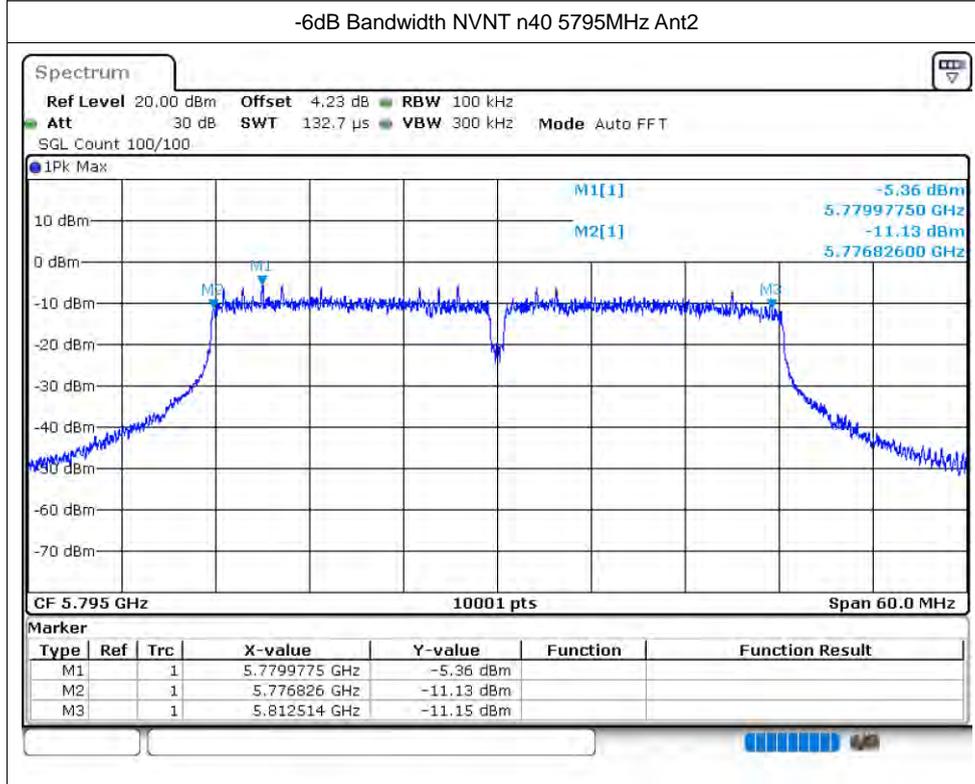
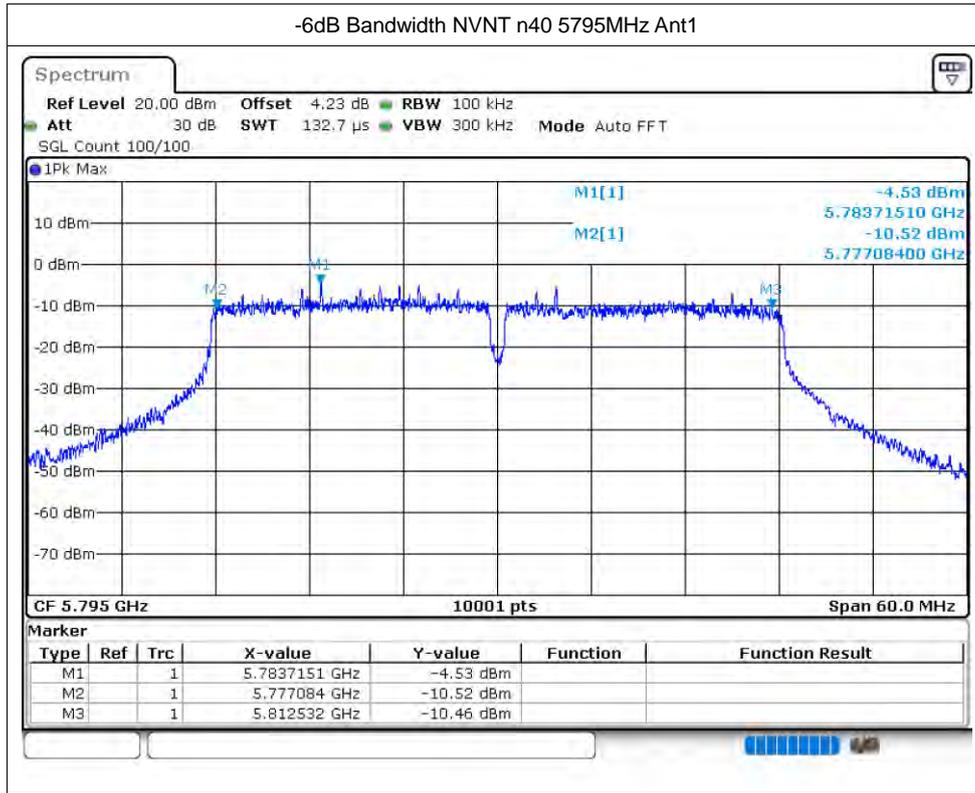


-6dB Bandwidth NVNT n20 5745MHz Ant2







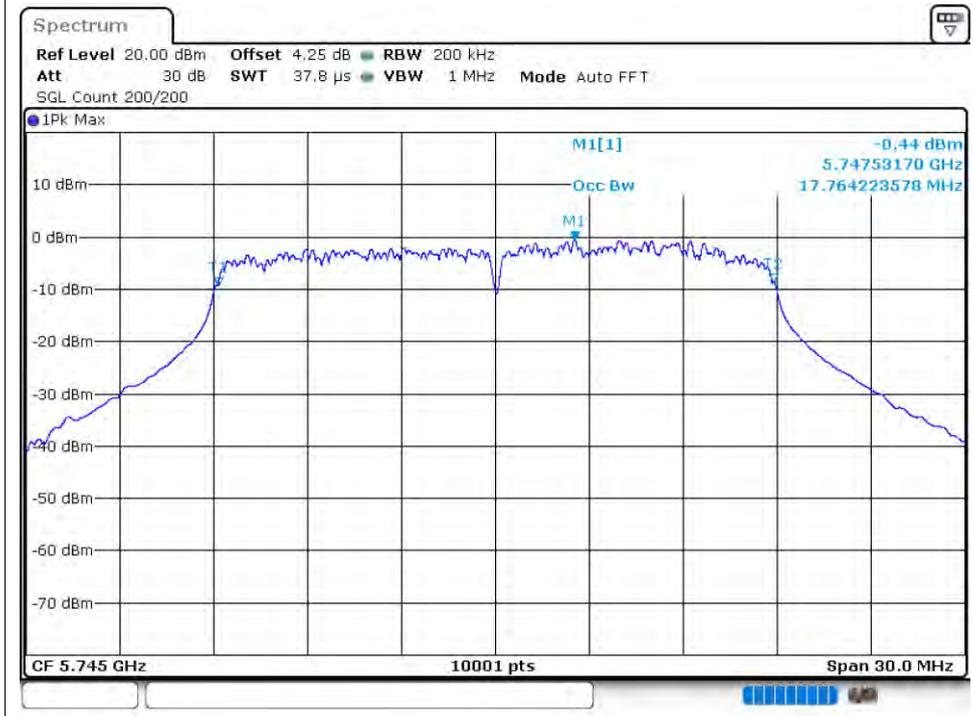


Occupied Channel Bandwidth

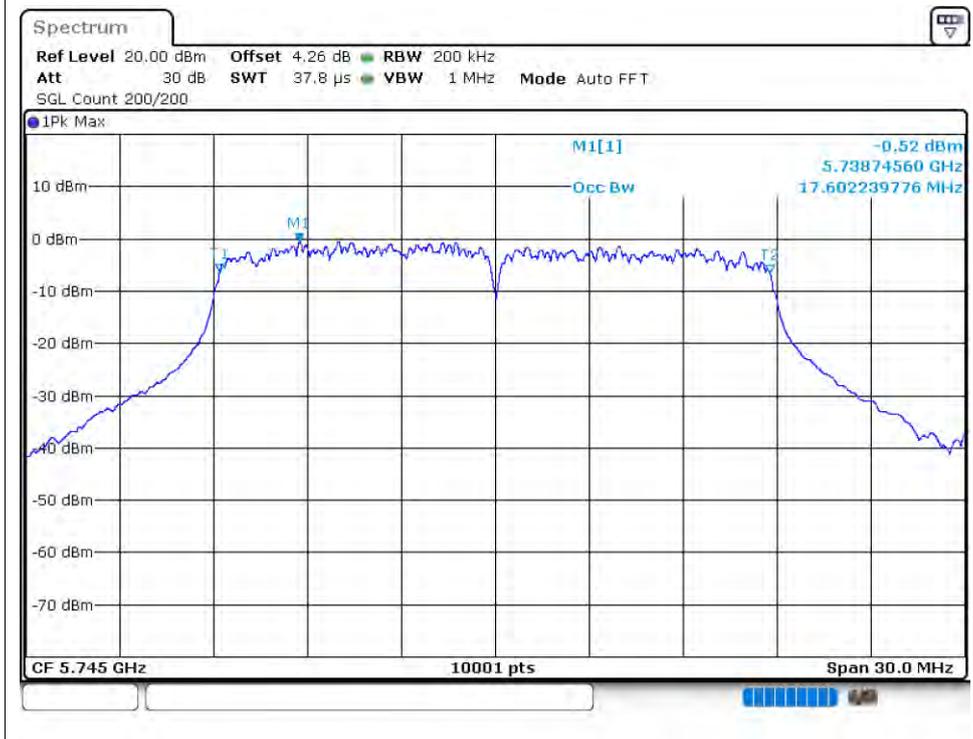
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	n20	5745	Ant1	17.764
NVNT	n20	5745	Ant2	17.602
NVNT	n20	5785	Ant1	17.809
NVNT	n20	5785	Ant2	17.638
NVNT	n20	5825	Ant1	17.641
NVNT	n20	5825	Ant2	17.695
NVNT	n40	5755	Ant1	36.548
NVNT	n40	5755	Ant2	36.428
NVNT	n40	5795	Ant1	36.614
NVNT	n40	5795	Ant2	36.458

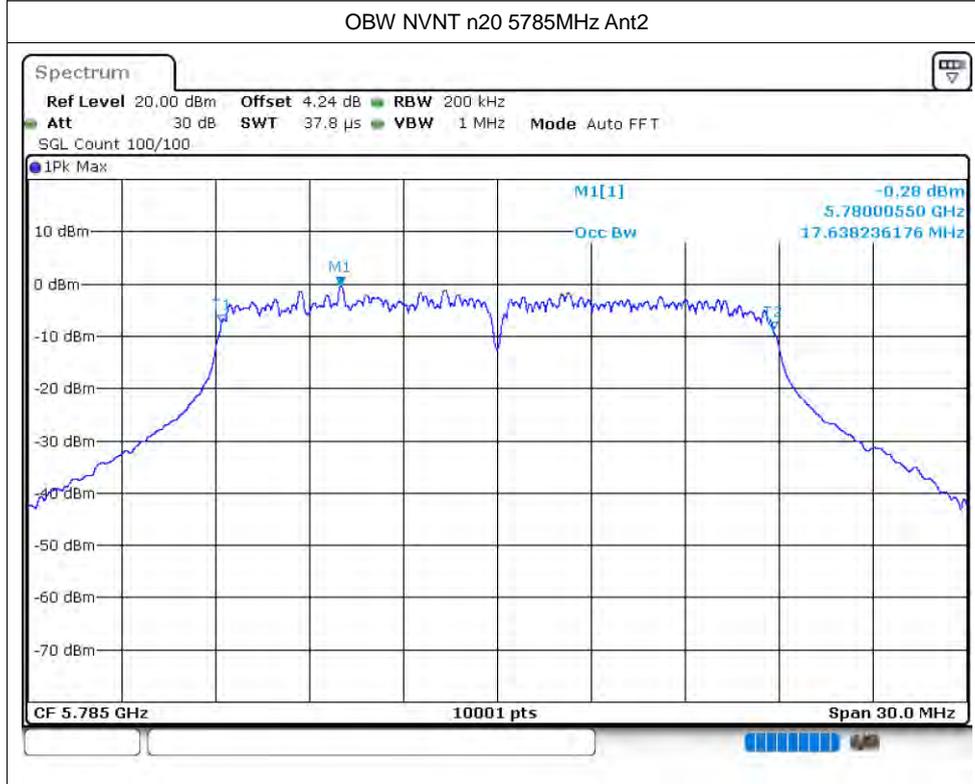
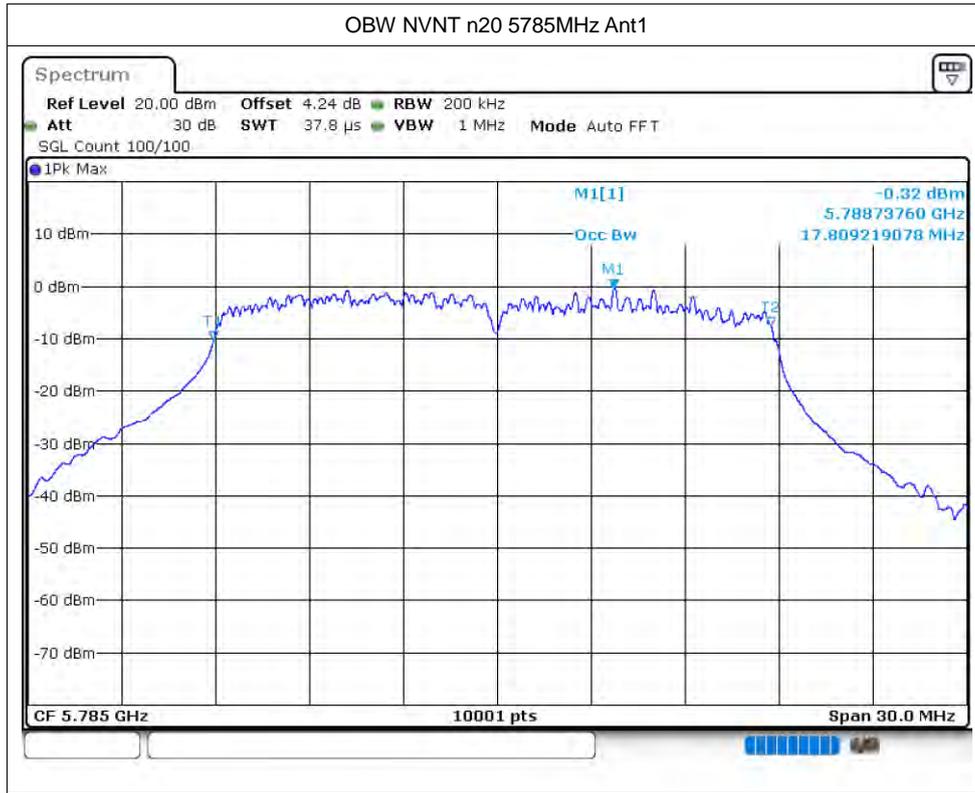
Test Graphs

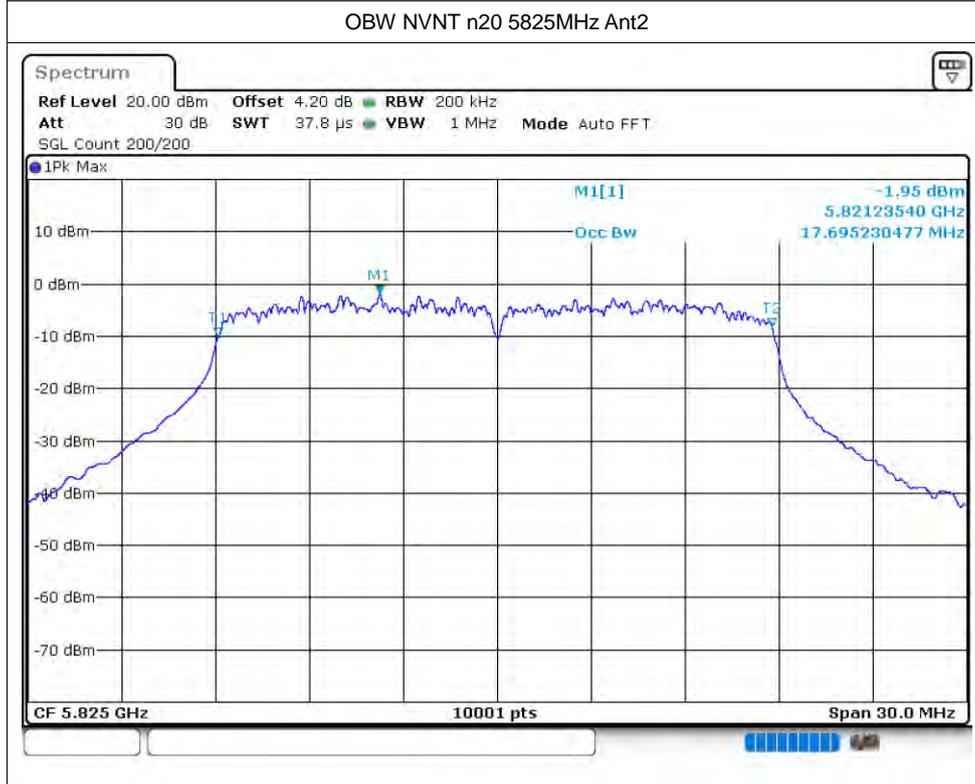
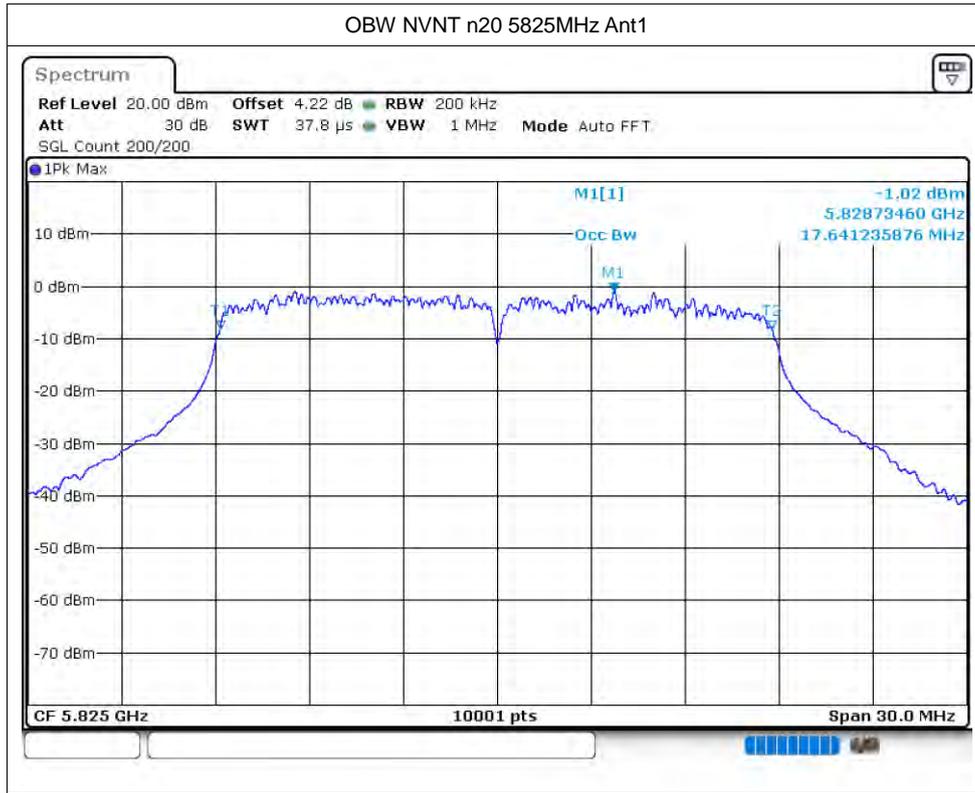
OBW NVNT n20 5745MHz Ant1

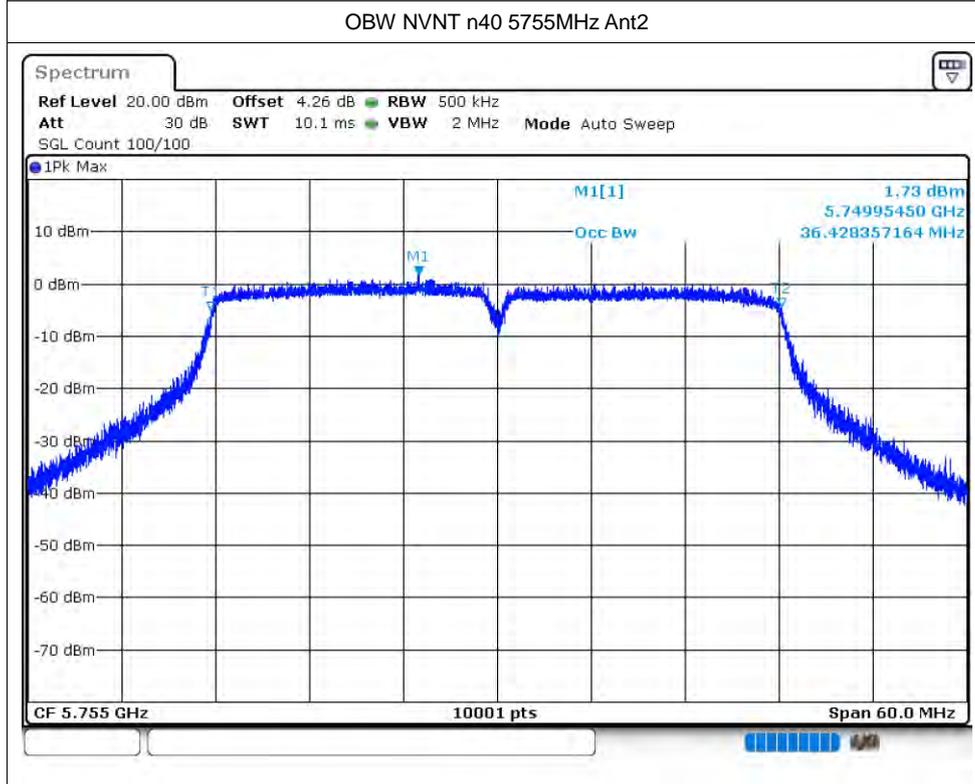
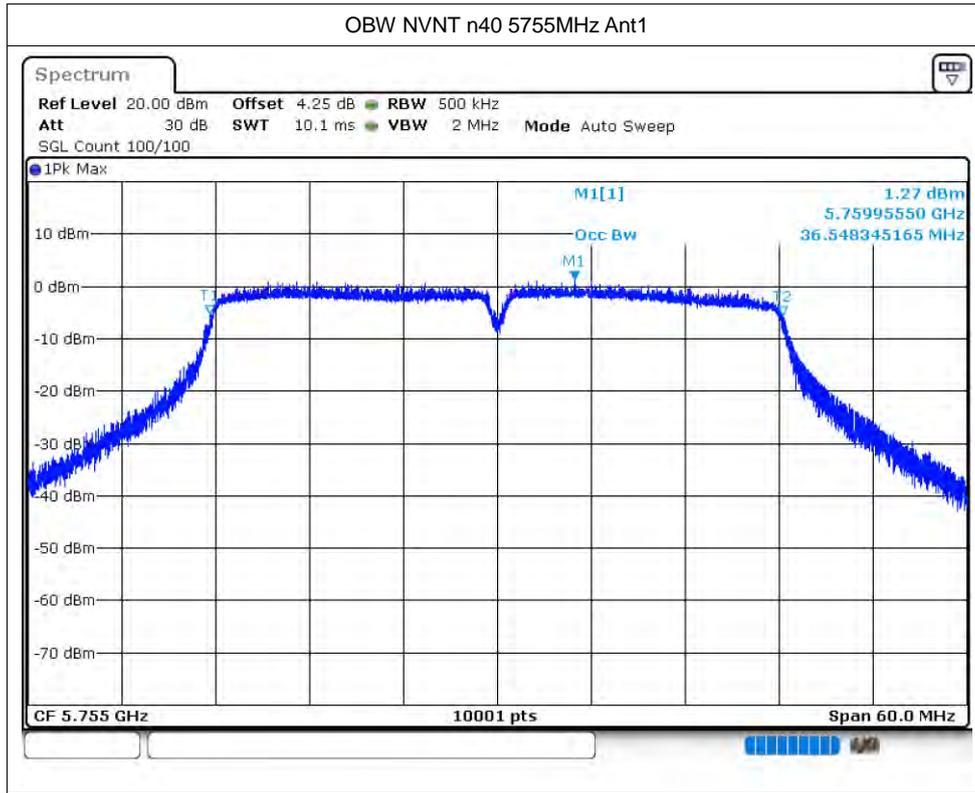


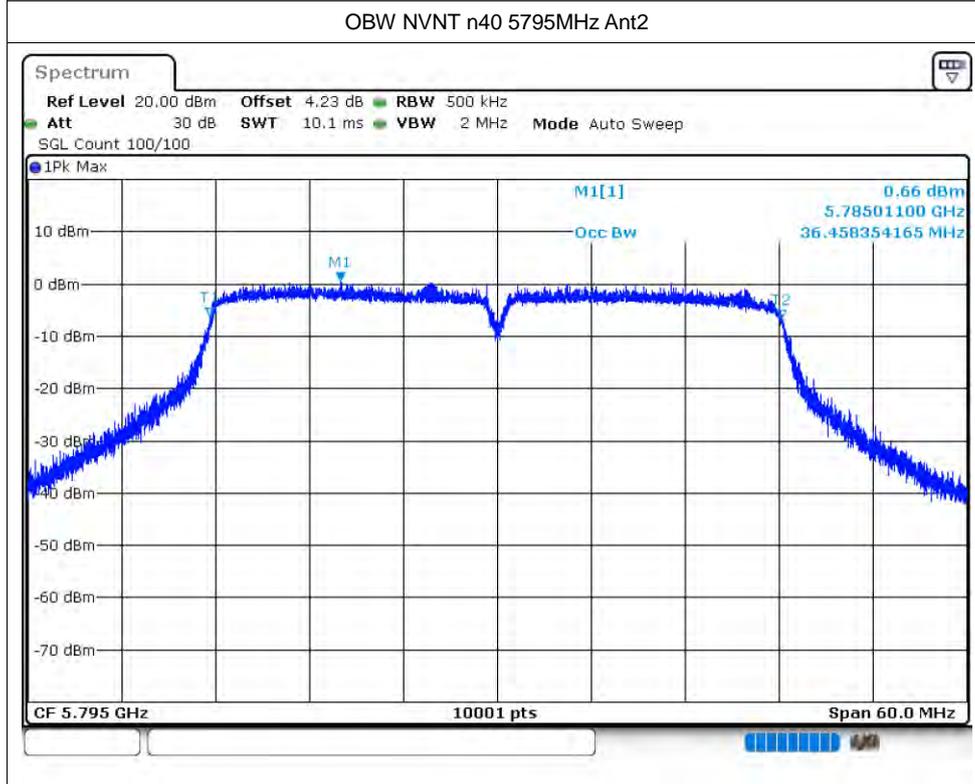
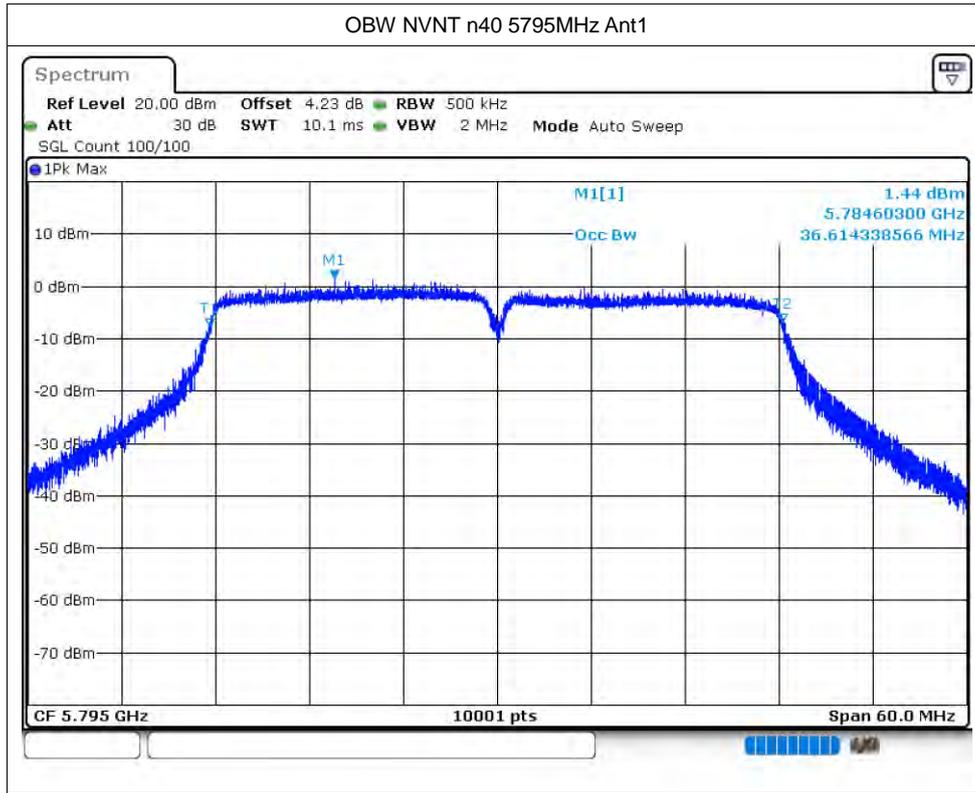
OBW NVNT n20 5745MHz Ant2









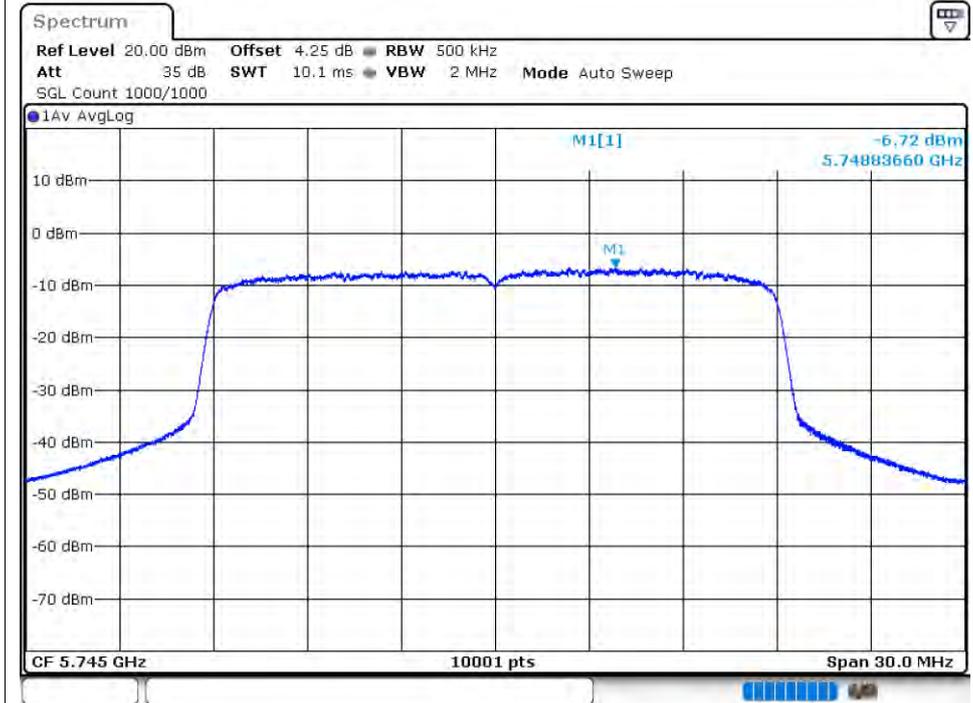


Maximum Power Spectral Density Level

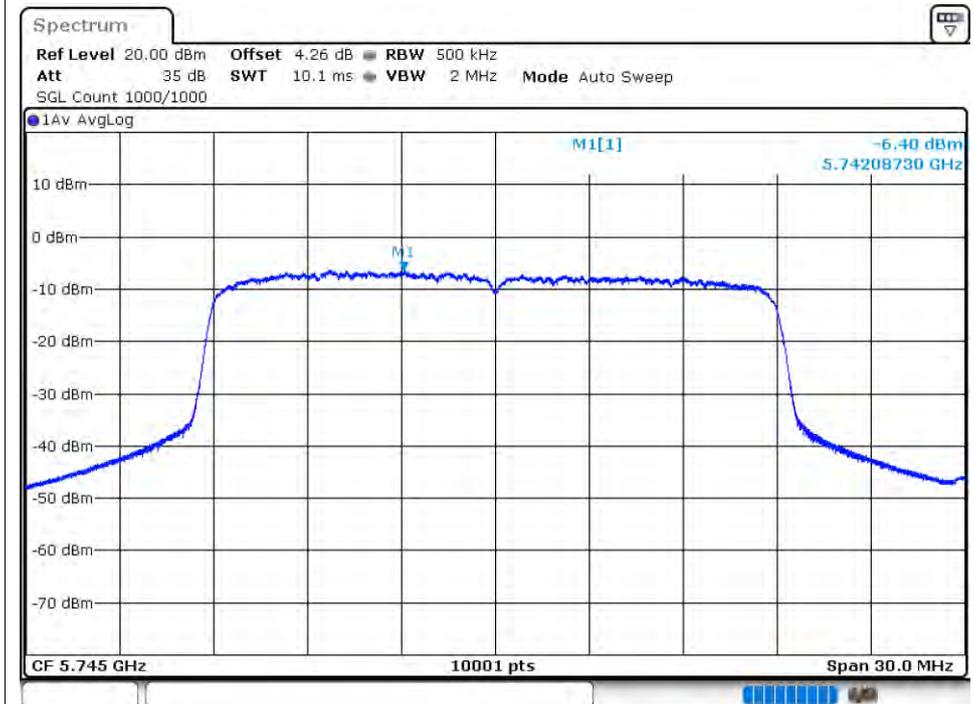
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	n20	5745	Ant1	-6.72	0.11	-6.61	--	Pass
NVNT	n20	5745	Ant2	-6.4	0.11	-6.29	--	Pass
NVNT	n20	5745	Sum			-3.44	27.41	Pass
NVNT	n20	5785	Ant1	-6.17	0.11	-6.06	--	Pass
NVNT	n20	5785	Ant2	-7.37	0.11	-7.26	--	Pass
NVNT	n20	5785	Sum			-3.61	27.41	Pass
NVNT	n20	5825	Ant1	-7.24	0.11	-7.13	--	Pass
NVNT	n20	5825	Ant2	-8.8	0.11	-8.69	--	Pass
NVNT	n20	5825	Sum			-4.83	27.41	Pass
NVNT	n40	5755	Ant1	-10.61	0.15	-10.46	--	Pass
NVNT	n40	5755	Ant2	-10.47	0.15	-10.32	--	Pass
NVNT	n40	5755	Sum			-7.78	27.41	Pass
NVNT	n40	5795	Ant1	-10.94	0.15	-10.79	--	Pass
NVNT	n40	5795	Ant2	-11.32	0.15	-11.17	--	Pass
NVNT	n40	5795	Sum			-7.97	27.41	Pass

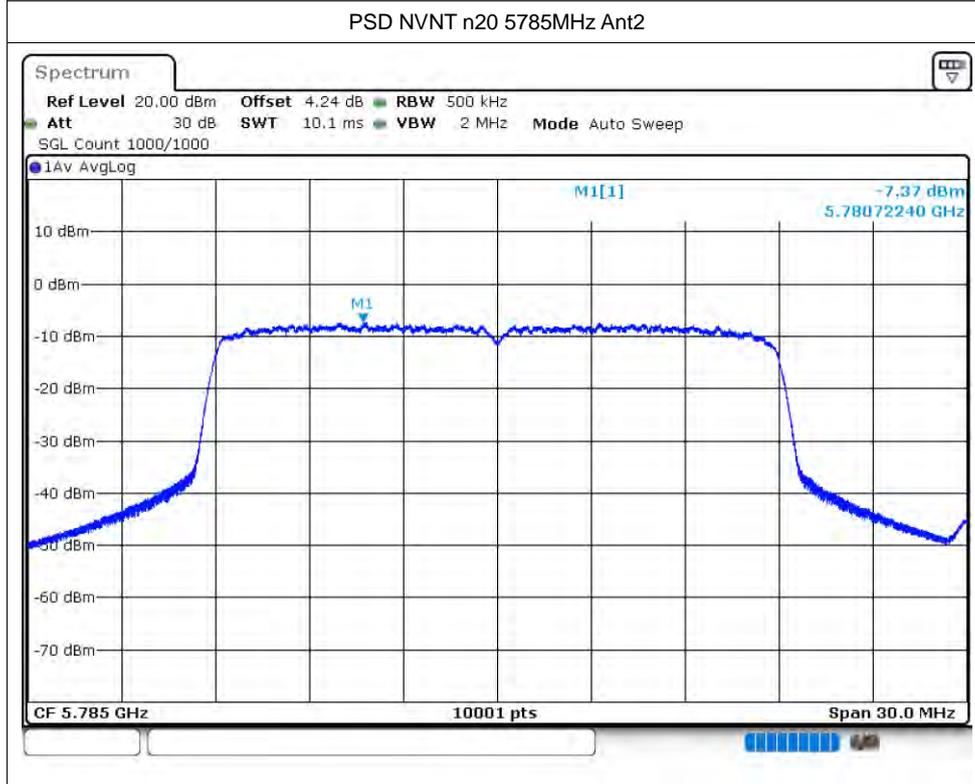
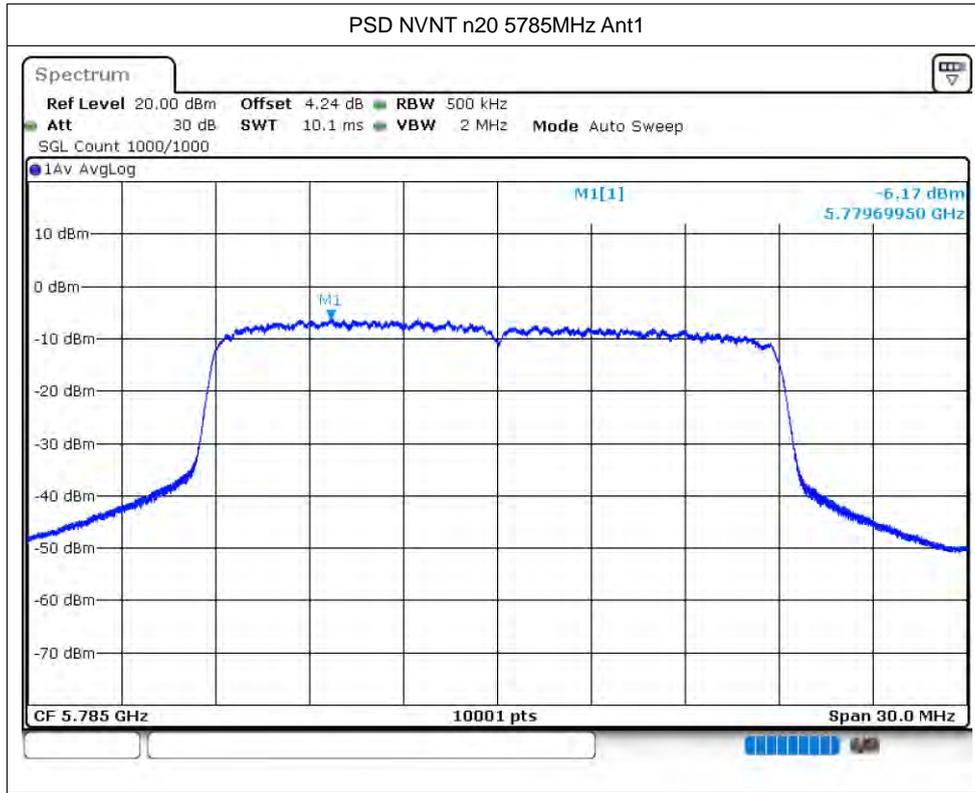
Test Graphs

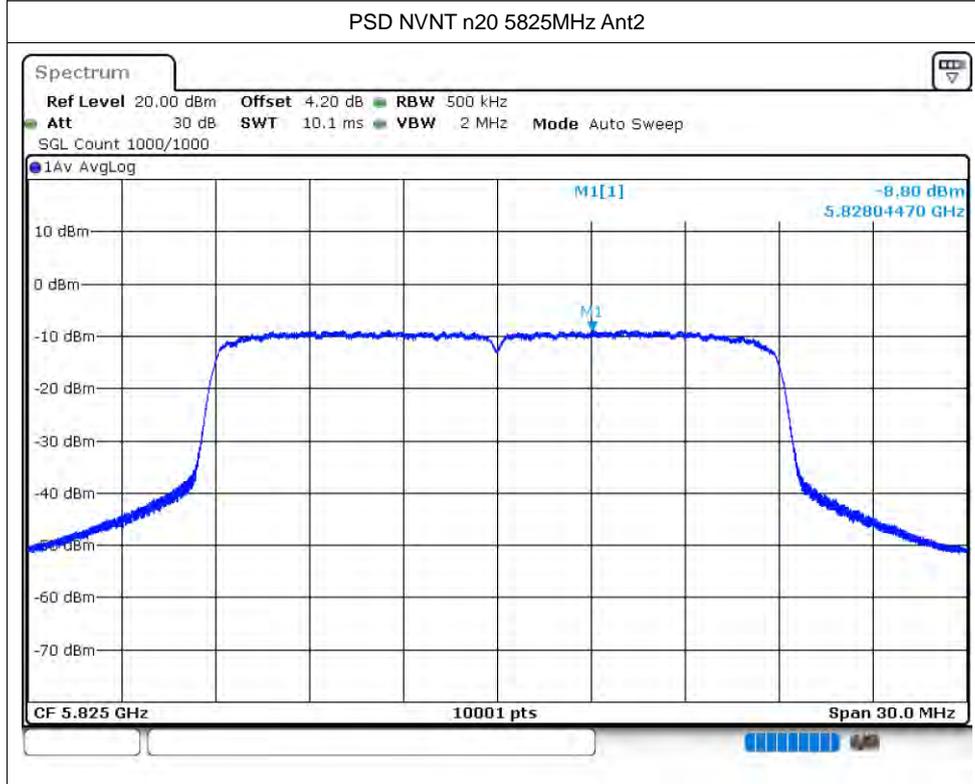
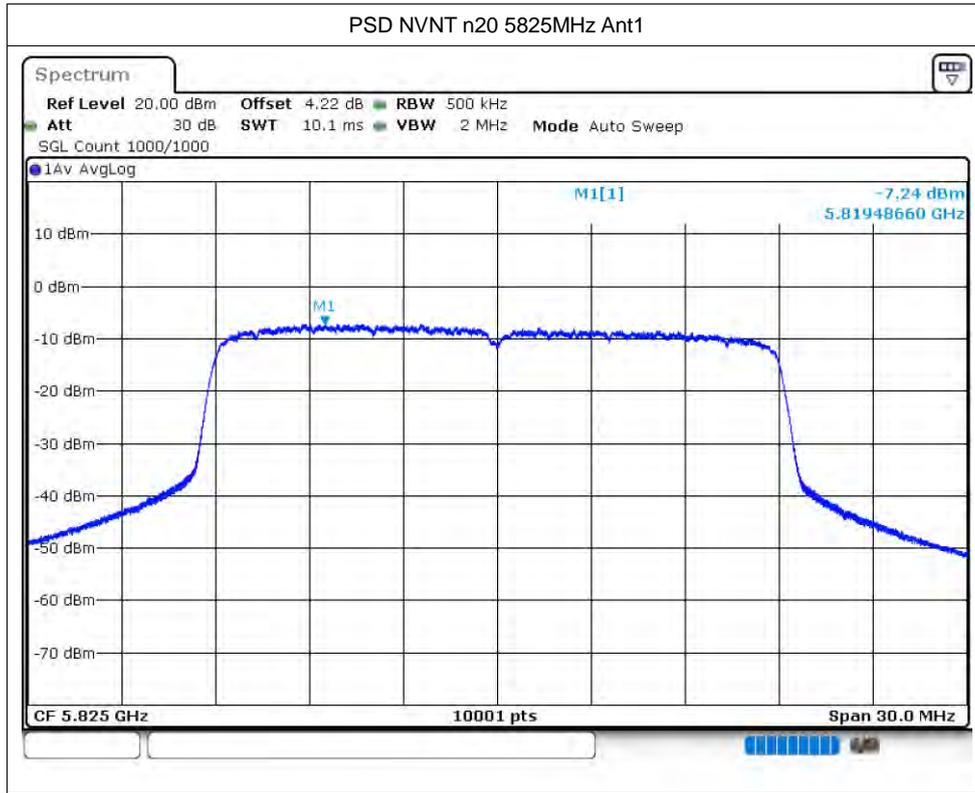
PSD NVNT n20 5745MHz Ant1

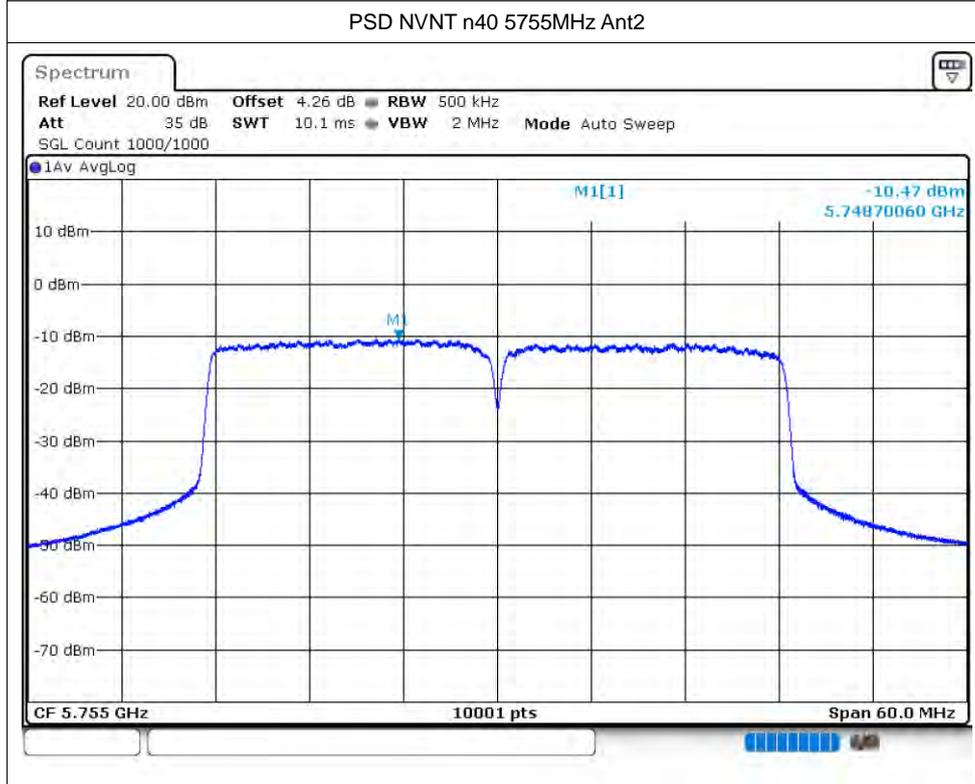
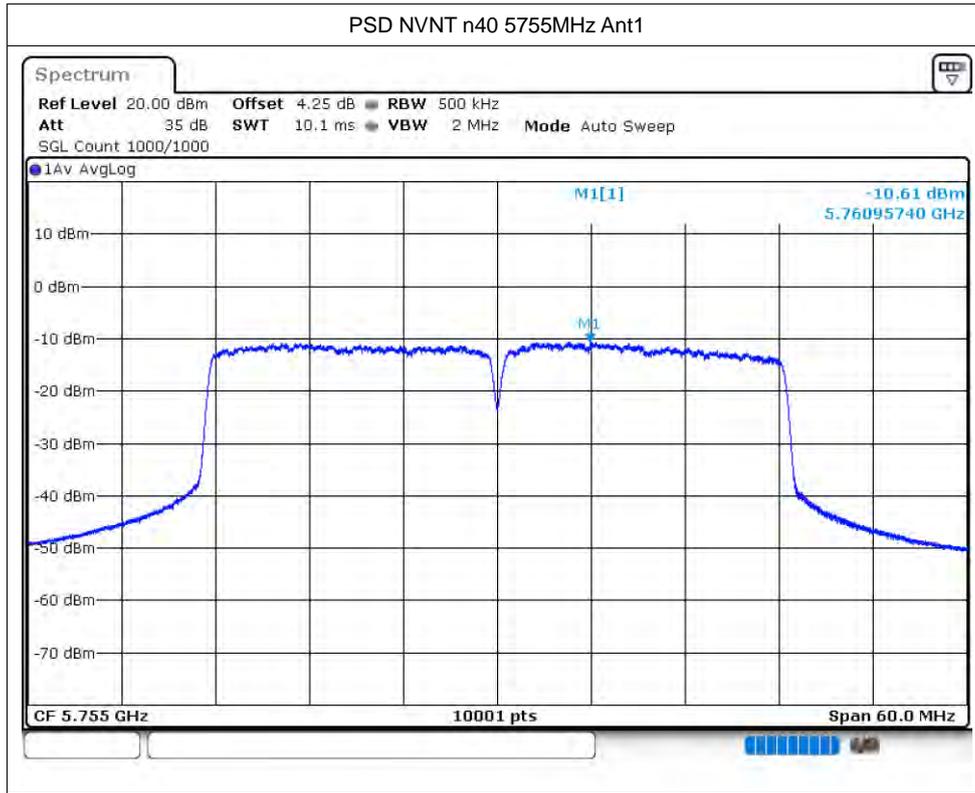


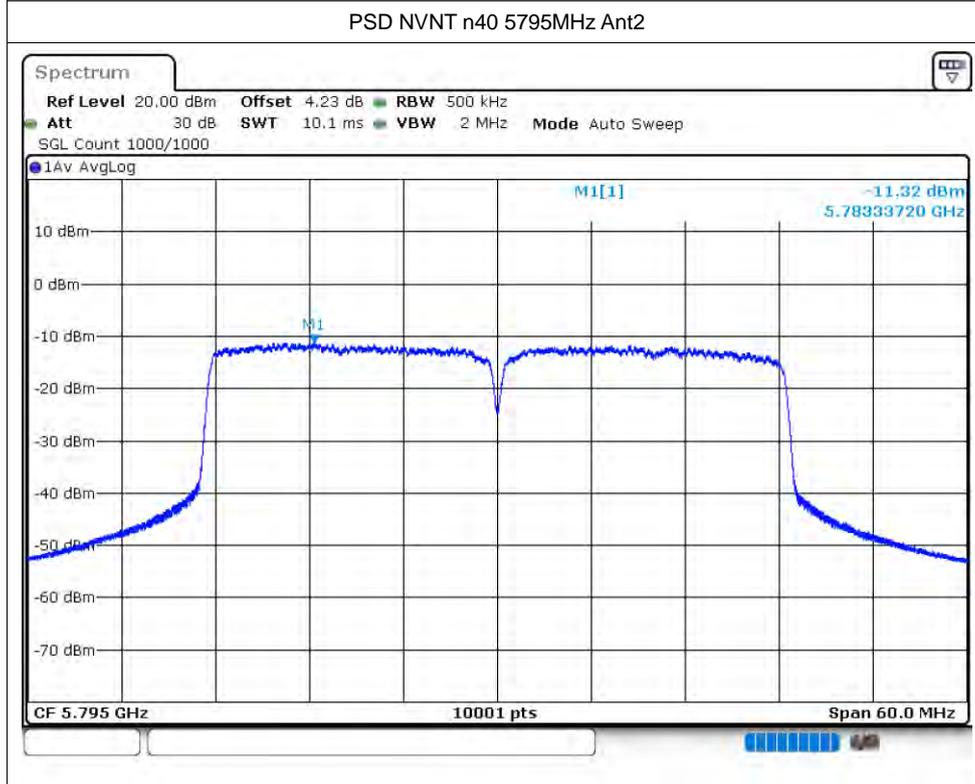
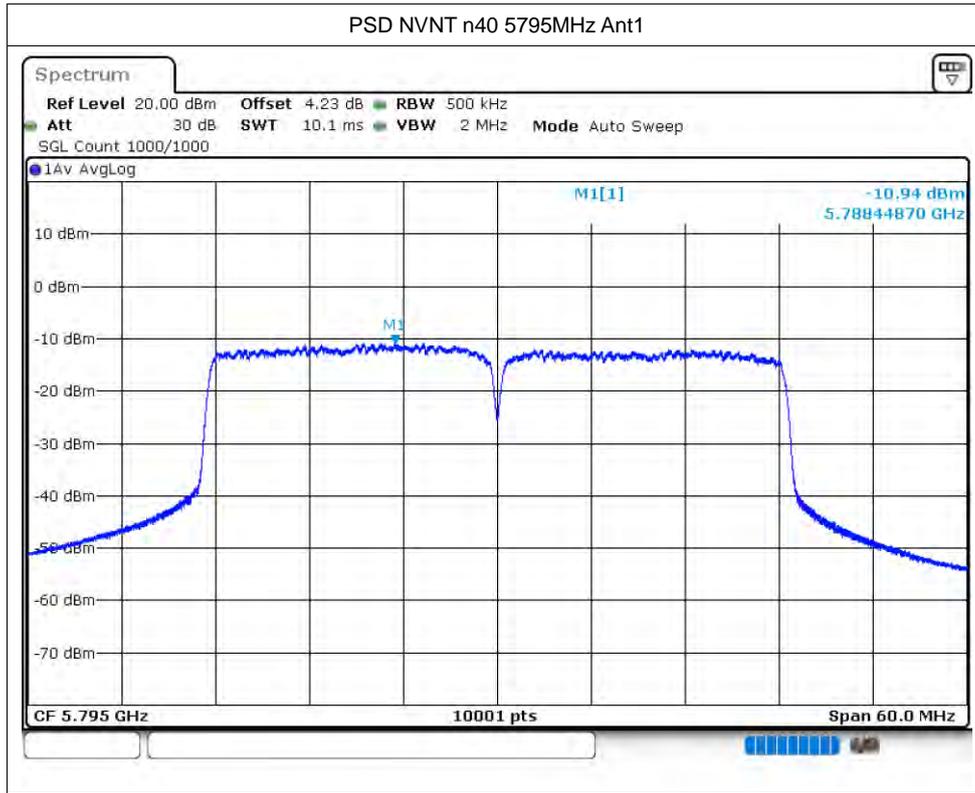
PSD NVNT n20 5745MHz Ant2









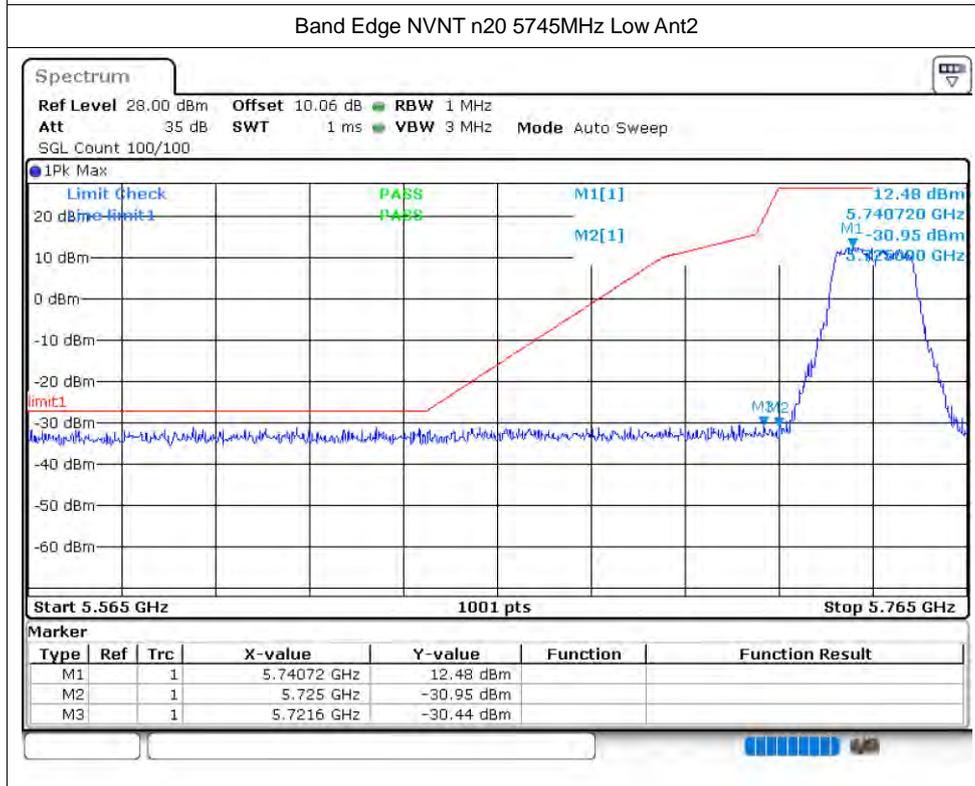
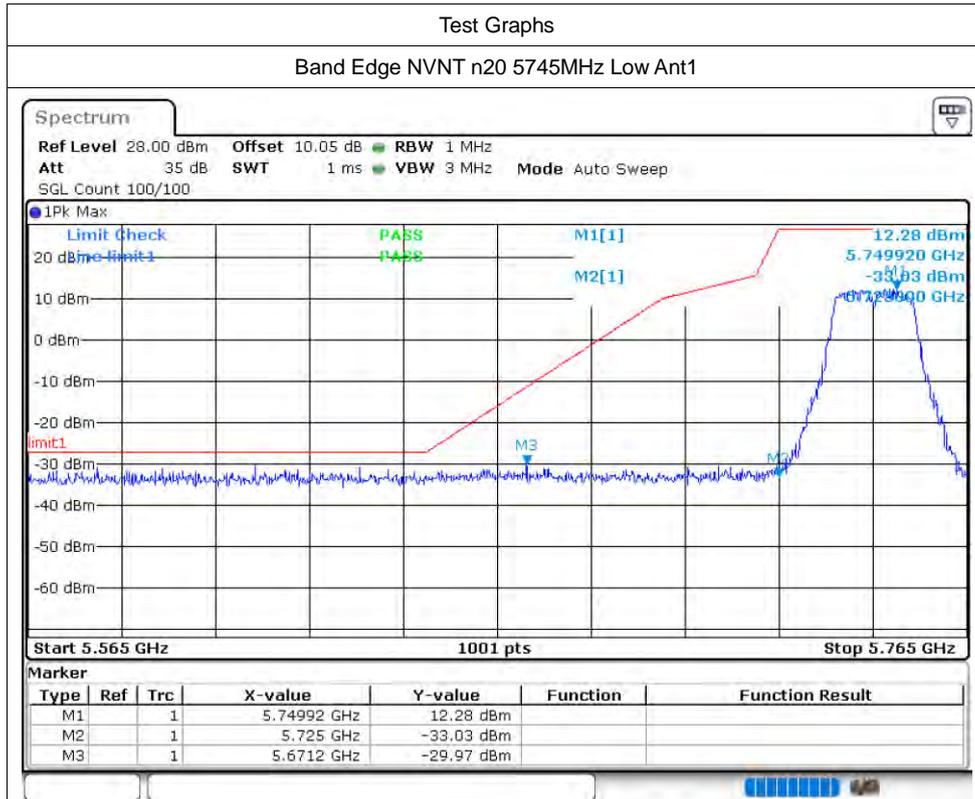


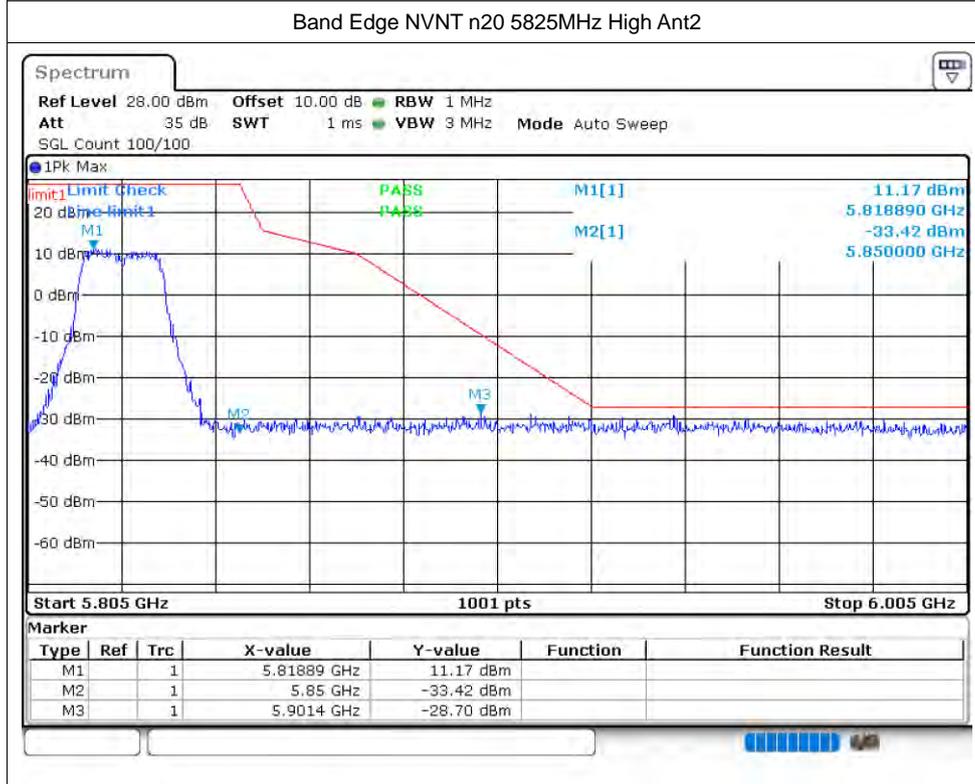
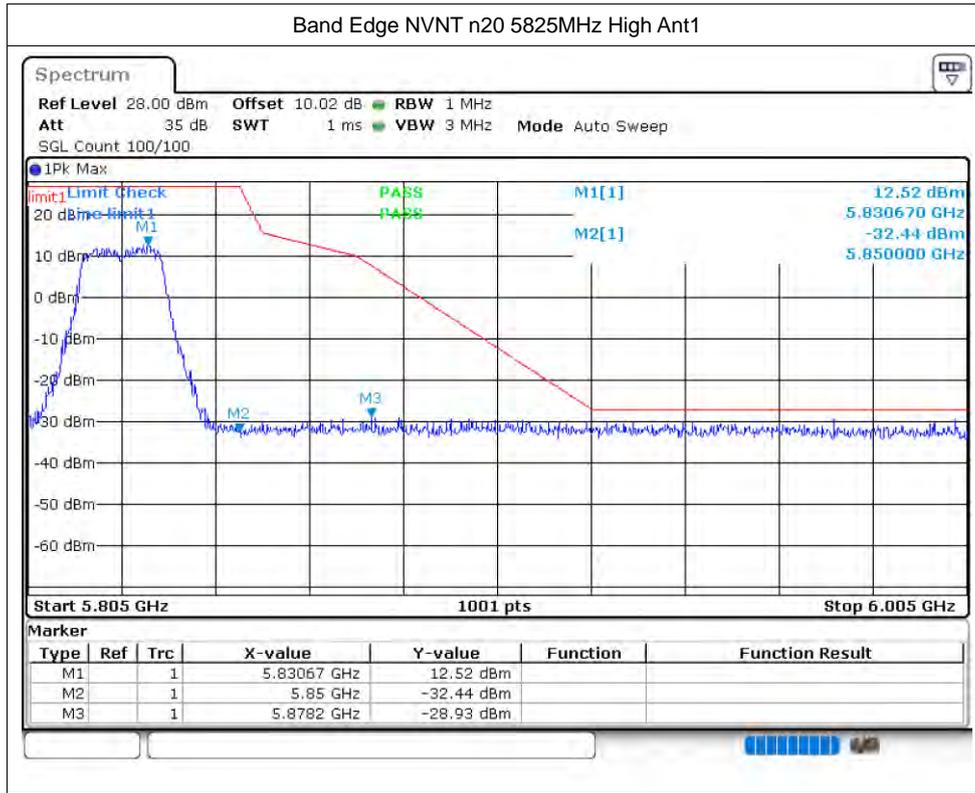
Band Edge

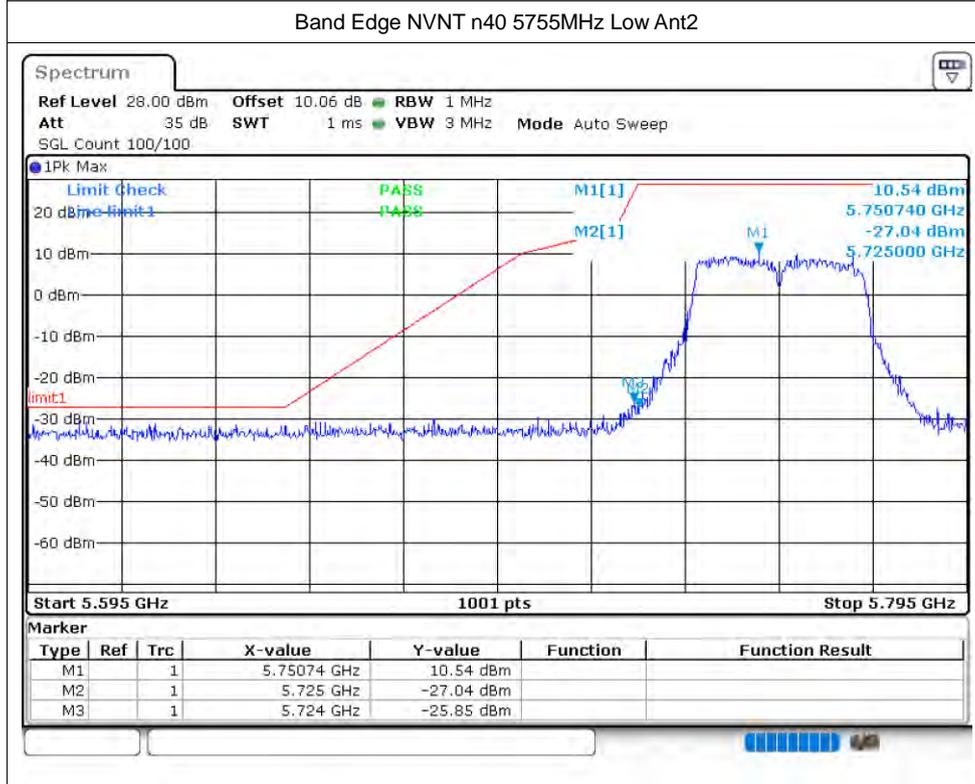
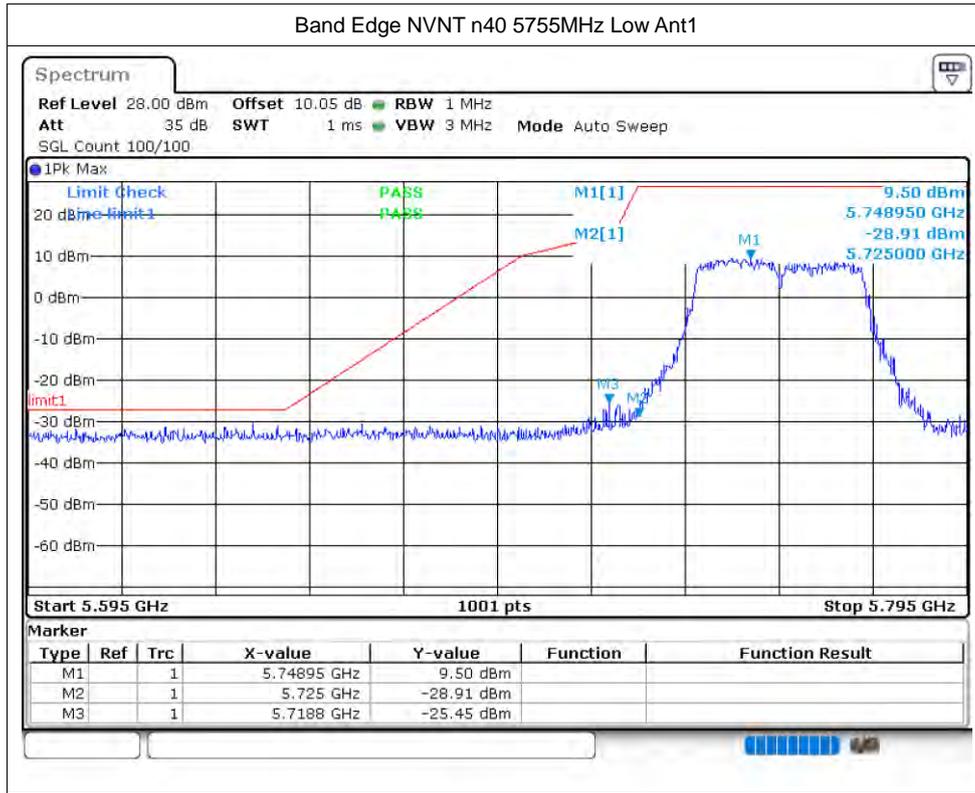
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	n20	5745	Ant1	-29.97	Pass
NVNT	n20	5745	Ant2	-30.44	Pass
NVNT	n20	5825	Ant1	-28.93	Pass
NVNT	n20	5825	Ant2	-28.69	Pass
NVNT	n40	5755	Ant1	-25.44	Pass
NVNT	n40	5755	Ant2	-25.84	Pass
NVNT	n40	5795	Ant1	-28.92	Pass
NVNT	n40	5795	Ant2	-28.84	Pass

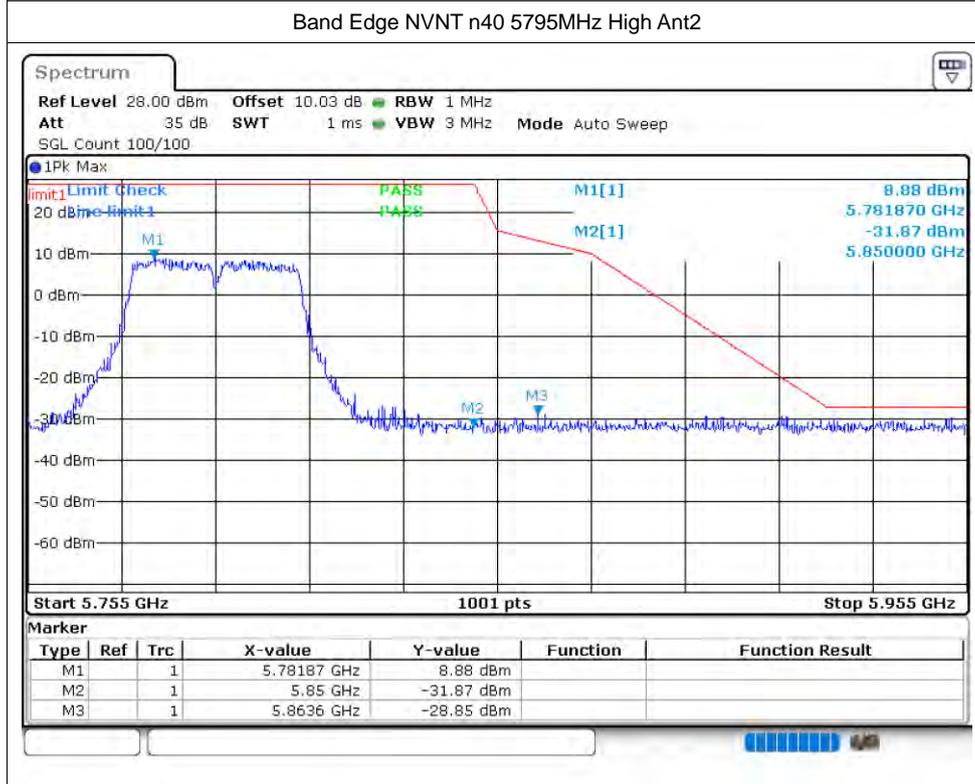
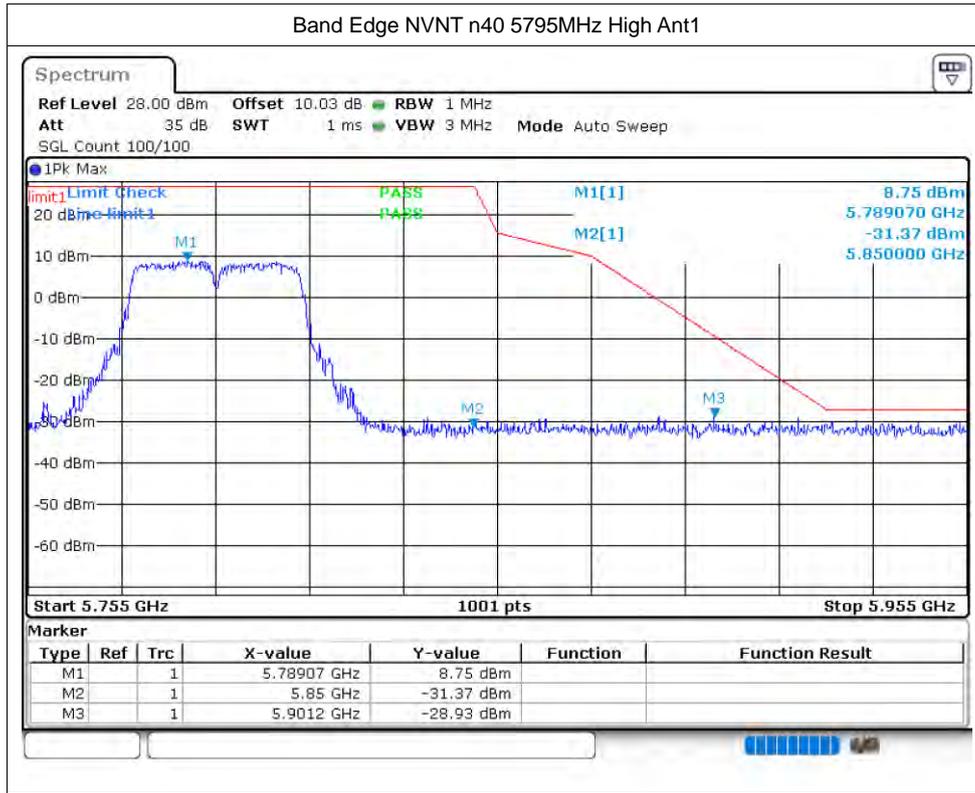
Note: 1) This test has increased antenna gain .

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









Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	n20	5745	Ant1	-27.71	-27	Pass
NVNT	n20	5745	Ant2	-27.89	-27	Pass
NVNT	n20	5785	Ant1	-27.93	-27	Pass
NVNT	n20	5785	Ant2	-28.02	-27	Pass
NVNT	n20	5825	Ant1	-27.37	-27	Pass
NVNT	n20	5825	Ant2	-28.45	-27	Pass
NVNT	n40	5755	Ant1	-28.29	-27	Pass
NVNT	n40	5755	Ant2	-28.05	-27	Pass
NVNT	n40	5795	Ant1	-27.69	-27	Pass
NVNT	n40	5795	Ant2	-28.41	-27	Pass

Note: This test has increased antenna gain .

