

5.8G:

Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5745	Ant1	12.24	3.04	15.28	30	Pass
NVNT	ac20	5745	Ant2	8.62	3.04	11.66	30	Pass
NVNT	ac20	5745	Sum	13.81	3.04	16.85	30	Pass
NVNT	ac20	5785	Ant1	11.08	3	14.08	30	Pass
NVNT	ac20	5785	Ant2	8.55	3	11.55	30	Pass
NVNT	ac20	5785	Sum	13.01	3	16.01	30	Pass
NVNT	ac20	5825	Ant1	12.27	0.01	12.28	30	Pass
NVNT	ac20	5825	Ant2	9.36	0.01	9.37	30	Pass
NVNT	ac20	5825	Sum	14.06	0.01	14.07	30	Pass
NVNT	ac40	5755	Ant1	11.76	0.03	11.79	30	Pass
NVNT	ac40	5755	Ant2	8.2	0.03	8.23	30	Pass
NVNT	ac40	5755	Sum	13.35	0.03	13.38	30	Pass
NVNT	ac40	5795	Ant1	11.07	0.02	11.09	30	Pass
NVNT	ac40	5795	Ant2	9	0.02	9.02	30	Pass
NVNT	ac40	5795	Sum	13.17	0.02	13.19	30	Pass
NVNT	ac80	5775	Ant1	9.71	3.27	12.98	30	Pass
NVNT	ac80	5775	Ant2	6.58	3.27	9.85	30	Pass
NVNT	ac80	5775	Sum	11.43	3.27	14.7	30	Pass
NVNT	ax20	5745	Ant1	10.5	1.18	11.68	30	Pass
NVNT	ax20	5745	Ant2	6.77	1.18	7.95	30	Pass
NVNT	ax20	5745	Sum	12.03	1.18	13.21	30	Pass
NVNT	ax20	5785	Ant1	10.49	0.19	10.68	30	Pass
NVNT	ax20	5785	Ant2	6.96	0.19	7.15	30	Pass
NVNT	ax20	5785	Sum	12.08	0.19	12.27	30	Pass
NVNT	ax20	5825	Ant1	11.4	3	14.4	30	Pass
NVNT	ax20	5825	Ant2	8.28	3	11.28	30	Pass
NVNT	ax20	5825	Sum	13.12	3	16.12	30	Pass
NVNT	ax40	5755	Ant1	10.34	0.02	10.36	30	Pass
NVNT	ax40	5755	Ant2	6.35	0.02	6.37	30	Pass
NVNT	ax40	5755	Sum	11.8	0.02	11.82	30	Pass
NVNT	ax40	5795	Ant1	9.98	0.03	10.01	30	Pass
NVNT	ax40	5795	Ant2	7.14	0.03	7.17	30	Pass
NVNT	ax40	5795	Sum	11.8	0.03	11.83	30	Pass
NVNT	ax80	5775	Ant1	10.31	2.96	13.27	30	Pass
NVNT	ax80	5775	Ant2	6.74	2.96	9.7	30	Pass
NVNT	ax80	5775	Sum	11.89	2.96	14.85	30	Pass
NVNT	n20	5745	Ant1	10.91	0	10.91	30	Pass
NVNT	n20	5745	Ant2	7.53	0	7.53	30	Pass

NVNT	n20	5745	Sum	12.55	0	12.55	30	Pass
NVNT	n20	5785	Ant1	11.13	0	11.13	30	Pass
NVNT	n20	5785	Ant2	8.58	0	8.58	30	Pass
NVNT	n20	5785	Sum	13.05	0	13.05	30	Pass
NVNT	n20	5825	Ant1	12.04	2.99	15.03	30	Pass
NVNT	n20	5825	Ant2	9.8	2.99	12.79	30	Pass
NVNT	n20	5825	Sum	14.07	2.99	17.06	30	Pass
NVNT	n40	5755	Ant1	10.15	0	10.15	30	Pass
NVNT	n40	5755	Ant2	6.74	0	6.74	30	Pass
NVNT	n40	5755	Sum	11.78	0	11.78	30	Pass
NVNT	n40	5795	Ant1	9.73	1.17	10.9	30	Pass
NVNT	n40	5795	Ant2	7.45	1.17	8.62	30	Pass
NVNT	n40	5795	Sum	11.75	1.17	12.92	30	Pass

Equivalent Isotropically Radiated Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Antenna Gain (dBi)	EIRP Power (dBm)	Verdict
NVNT	ac20	5745	Ant1	12.24	3.04	15.28	2.95	18.23	Pass
NVNT	ac20	5745	Ant2	8.62	3.04	11.66	2.95	14.61	Pass
NVNT	ac20	5745	Sum	13.81	3.04	16.85	2.95	19.8	Pass
NVNT	ac20	5785	Ant1	11.08	3	14.08	2.95	17.03	Pass
NVNT	ac20	5785	Ant2	8.55	3	11.55	2.95	14.5	Pass
NVNT	ac20	5785	Sum	13.01	3	16.01	2.95	18.96	Pass
NVNT	ac20	5825	Ant1	12.27	0.01	12.28	2.95	15.23	Pass
NVNT	ac20	5825	Ant2	9.36	0.01	9.37	2.95	12.32	Pass
NVNT	ac20	5825	Sum	14.06	0.01	14.07	2.95	17.02	Pass
NVNT	ac40	5755	Ant1	11.76	0.03	11.79	2.95	14.74	Pass
NVNT	ac40	5755	Ant2	8.2	0.03	8.23	2.95	11.18	Pass
NVNT	ac40	5755	Sum	13.35	0.03	13.38	2.95	16.33	Pass
NVNT	ac40	5795	Ant1	11.07	0.02	11.09	2.95	14.04	Pass
NVNT	ac40	5795	Ant2	9	0.02	9.02	2.95	11.97	Pass
NVNT	ac40	5795	Sum	13.17	0.02	13.19	2.95	16.14	Pass
NVNT	ac80	5775	Ant1	9.71	3.27	12.98	2.95	15.93	Pass
NVNT	ac80	5775	Ant2	6.58	3.27	9.85	2.95	12.8	Pass
NVNT	ac80	5775	Sum	11.43	3.27	14.7	2.95	17.65	Pass
NVNT	ax20	5745	Ant1	10.5	1.18	11.68	2.95	14.63	Pass
NVNT	ax20	5745	Ant2	6.77	1.18	7.95	2.95	10.9	Pass
NVNT	ax20	5745	Sum	12.03	1.18	13.21	2.95	16.16	Pass
NVNT	ax20	5785	Ant1	10.49	0.19	10.68	2.95	13.63	Pass
NVNT	ax20	5785	Ant2	6.96	0.19	7.15	2.95	10.1	Pass
NVNT	ax20	5785	Sum	12.08	0.19	12.27	2.95	15.22	Pass
NVNT	ax20	5825	Ant1	11.4	3	14.4	2.95	17.35	Pass
NVNT	ax20	5825	Ant2	8.28	3	11.28	2.95	14.23	Pass
NVNT	ax20	5825	Sum	13.12	3	16.12	2.95	19.07	Pass
NVNT	ax40	5755	Ant1	10.34	0.02	10.36	2.95	13.31	Pass
NVNT	ax40	5755	Ant2	6.35	0.02	6.37	2.95	9.32	Pass
NVNT	ax40	5755	Sum	11.8	0.02	11.82	2.95	14.77	Pass
NVNT	ax40	5795	Ant1	9.98	0.03	10.01	2.95	12.96	Pass
NVNT	ax40	5795	Ant2	7.14	0.03	7.17	2.95	10.12	Pass
NVNT	ax40	5795	Sum	11.8	0.03	11.83	2.95	14.78	Pass
NVNT	ax80	5775	Ant1	10.31	2.96	13.27	2.95	16.22	Pass
NVNT	ax80	5775	Ant2	6.74	2.96	9.7	2.95	12.65	Pass
NVNT	ax80	5775	Sum	11.89	2.96	14.85	2.95	17.8	Pass
NVNT	n20	5745	Ant1	10.91	0	10.91	2.95	13.86	Pass
NVNT	n20	5745	Ant2	7.53	0	7.53	2.95	10.48	Pass
NVNT	n20	5745	Sum	12.55	0	12.55	2.95	15.5	Pass

NVNT	n20	5785	Ant1	11.13	0	11.13	2.95	14.08	Pass
NVNT	n20	5785	Ant2	8.58	0	8.58	2.95	11.53	Pass
NVNT	n20	5785	Sum	13.05	0	13.05	2.95	16	Pass
NVNT	n20	5825	Ant1	12.04	2.99	15.03	2.95	17.98	Pass
NVNT	n20	5825	Ant2	9.8	2.99	12.79	2.95	15.74	Pass
NVNT	n20	5825	Sum	14.07	2.99	17.06	2.95	20.01	Pass
NVNT	n40	5755	Ant1	10.15	0	10.15	2.95	13.1	Pass
NVNT	n40	5755	Ant2	6.74	0	6.74	2.95	9.69	Pass
NVNT	n40	5755	Sum	11.78	0	11.78	2.95	14.73	Pass
NVNT	n40	5795	Ant1	9.73	1.17	10.9	2.95	13.85	Pass
NVNT	n40	5795	Ant2	7.45	1.17	8.62	2.95	11.57	Pass
NVNT	n40	5795	Sum	11.75	1.17	12.92	2.95	15.87	Pass

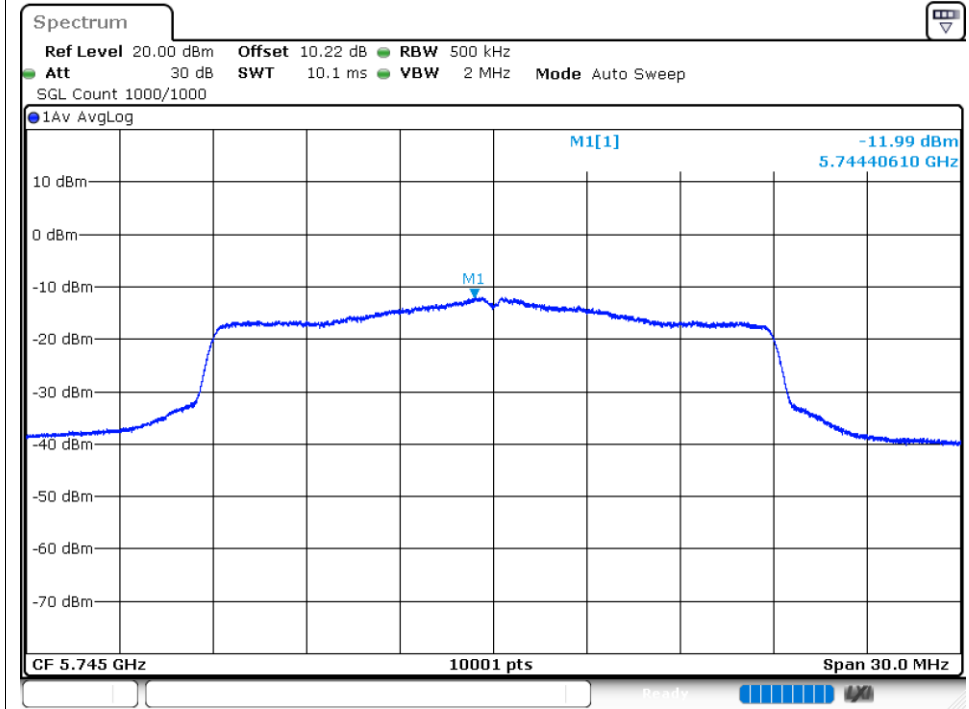
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5745	Ant1	-11.99	3.04	-8.95	30	Pass
NVNT	ac20	5745	Ant2	-14.85	3.04	-11.81	30	Pass
NVNT	ac20	5745	Sum	-10.18	3.04	-7.14	30	Pass
NVNT	ac20	5785	Ant1	-13.37	3	-10.37	30	Pass
NVNT	ac20	5785	Ant2	-18.03	3	-15.03	30	Pass
NVNT	ac20	5785	Sum	-12.09	3	-9.09	30	Pass
NVNT	ac20	5825	Ant1	-11.55	0.01	-11.54	30	Pass
NVNT	ac20	5825	Ant2	-16.83	0.01	-16.82	30	Pass
NVNT	ac20	5825	Sum	-10.42	0.01	-10.41	30	Pass
NVNT	ac40	5755	Ant1	-16.71	0.03	-16.68	30	Pass
NVNT	ac40	5755	Ant2	-19.58	0.03	-19.55	30	Pass
NVNT	ac40	5755	Sum	-14.9	0.03	-14.87	30	Pass
NVNT	ac40	5795	Ant1	-16.91	0.02	-16.89	30	Pass
NVNT	ac40	5795	Ant2	-20.75	0.02	-20.73	30	Pass
NVNT	ac40	5795	Sum	-15.41	0.02	-15.39	30	Pass
NVNT	ac80	5775	Ant1	-34.05	3.27	-30.78	30	Pass
NVNT	ac80	5775	Ant2	-38.33	3.27	-35.06	30	Pass
NVNT	ac80	5775	Sum	-32.67	3.27	-29.4	30	Pass
NVNT	ax20	5745	Ant1	-12.7	1.18	-11.52	30	Pass
NVNT	ax20	5745	Ant2	-16.27	1.18	-15.09	30	Pass
NVNT	ax20	5745	Sum	-11.12	1.18	-9.94	30	Pass
NVNT	ax20	5785	Ant1	-12.19	0.19	-12	30	Pass
NVNT	ax20	5785	Ant2	-15.6	0.19	-15.41	30	Pass
NVNT	ax20	5785	Sum	-10.56	0.19	-10.37	30	Pass

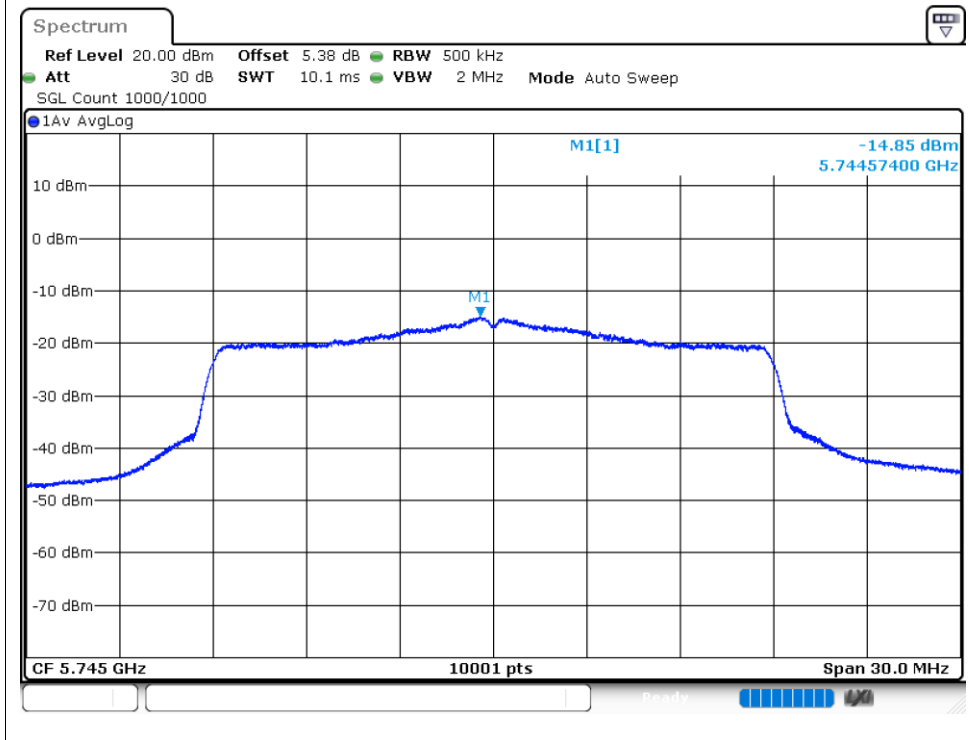
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NVNT	ax20	5825	Ant2	-20.34	3	-17.34	30	Pass
NVNT	ax20	5825	Sum	-13.64	3	-10.64	30	Pass
NVNT	ax40	5755	Ant1	-18.23	0.02	-18.21	30	Pass
NVNT	ax40	5755	Ant2	-20.36	0.02	-20.34	30	Pass
NVNT	ax40	5755	Sum	-16.16	0.02	-16.14	30	Pass
NVNT	ax40	5795	Ant1	-17.89	0.03	-17.86	30	Pass
NVNT	ax40	5795	Ant2	-22.87	0.03	-22.84	30	Pass
NVNT	ax40	5795	Sum	-16.69	0.03	-16.66	30	Pass
NVNT	ax80	5775	Ant1	-17.99	2.96	-15.03	30	Pass
NVNT	ax80	5775	Ant2	-22.28	2.96	-19.32	30	Pass
NVNT	ax80	5775	Sum	-16.62	2.96	-13.66	30	Pass
NVNT	n20	5745	Ant1	-13.44	0	-13.44	30	Pass
NVNT	n20	5745	Ant2	-13.96	0	-13.96	30	Pass
NVNT	n20	5745	Sum	-10.68	0	-10.68	30	Pass
NVNT	n20	5785	Ant1	-13.93	0	-13.93	30	Pass
NVNT	n20	5785	Ant2	-16.42	0	-16.42	30	Pass
NVNT	n20	5785	Sum	-11.99	0	-11.99	30	Pass
NVNT	n20	5825	Ant1	-11.02	2.99	-8.03	30	Pass
NVNT	n20	5825	Ant2	-14.77	2.99	-11.78	30	Pass
NVNT	n20	5825	Sum	-9.49	2.99	-6.5	30	Pass
NVNT	n40	5755	Ant1	-10.29	0	-10.29	30	Pass
NVNT	n40	5755	Ant2	-13.74	0	-13.74	30	Pass
NVNT	n40	5755	Sum	-8.67	0	-8.67	30	Pass
NVNT	n40	5795	Ant1	-14.7	1.17	-13.53	30	Pass
NVNT	n40	5795	Ant2	-15.62	1.17	-14.45	30	Pass
NVNT	n40	5795	Sum	-12.13	1.17	-10.96	30	Pass

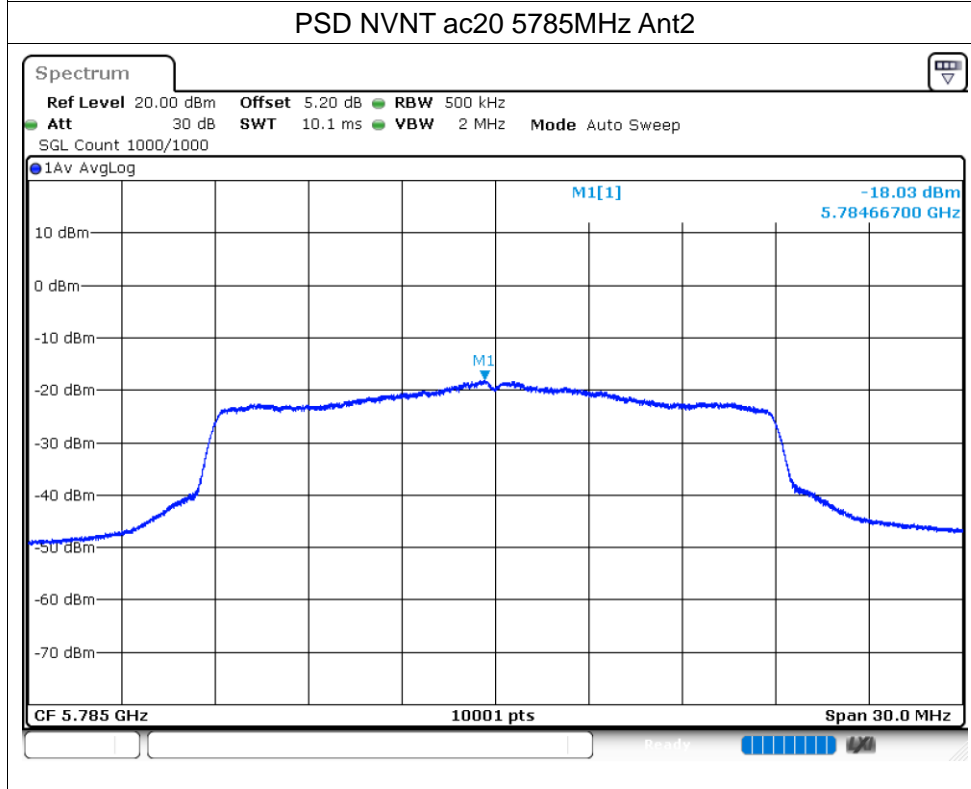
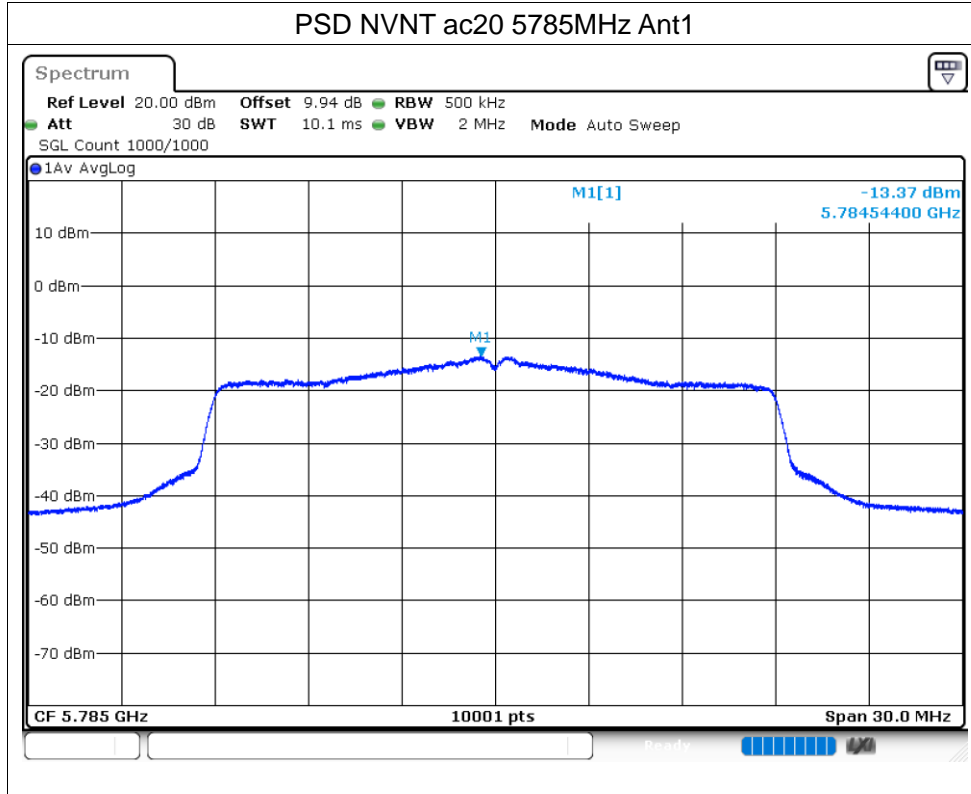
Test Graphs

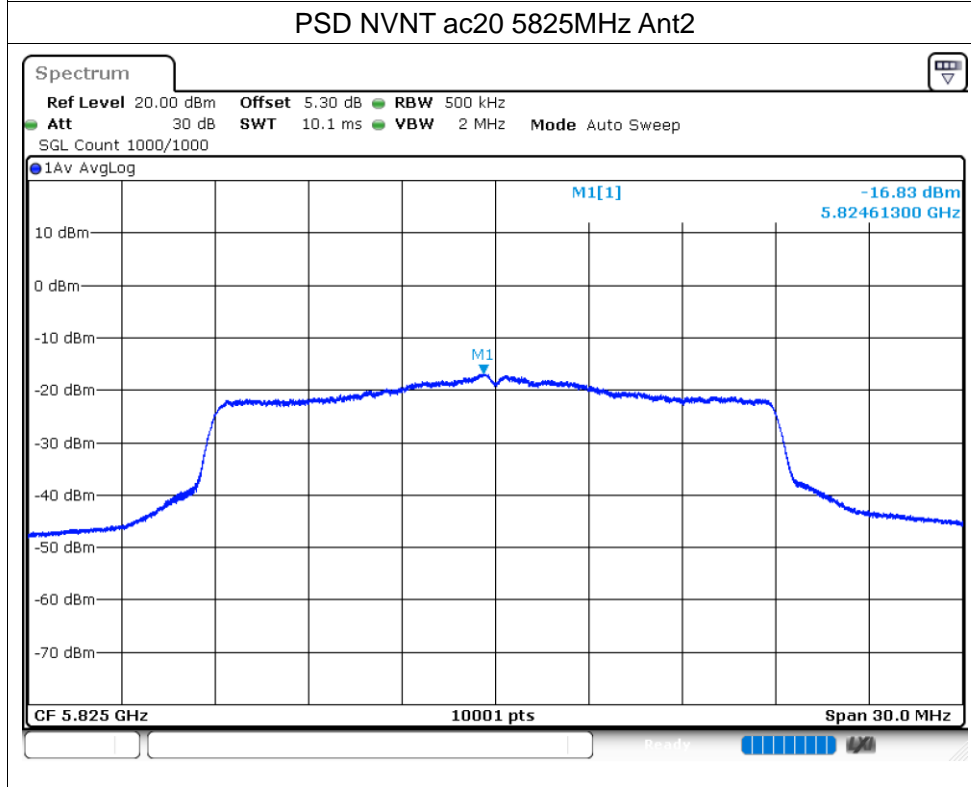
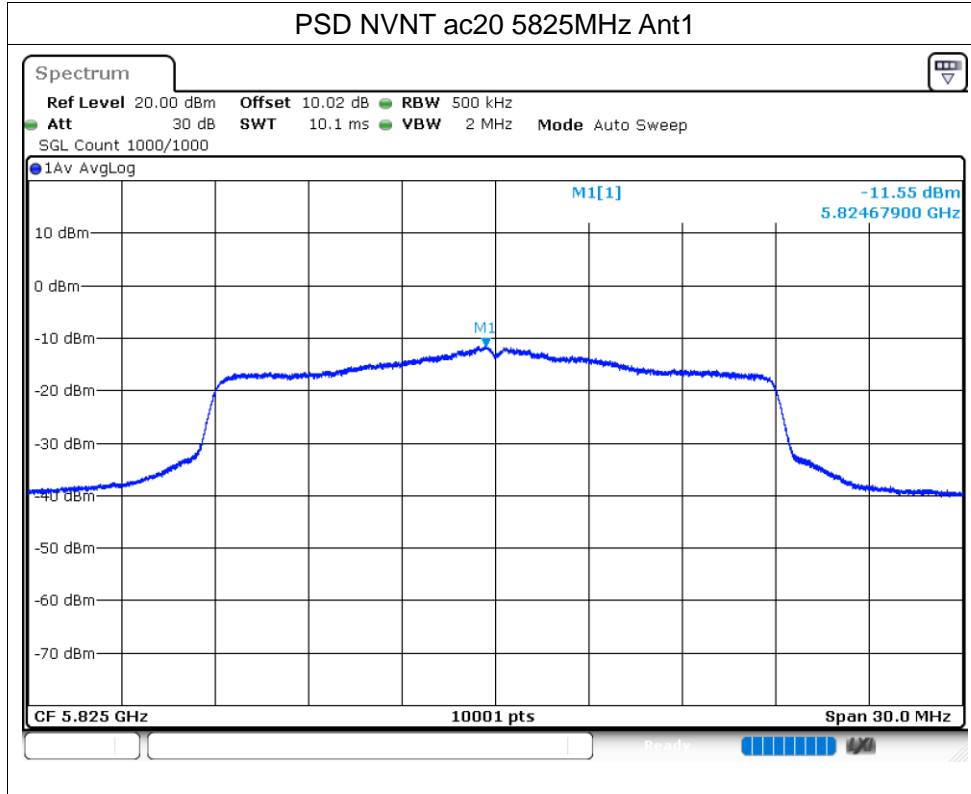
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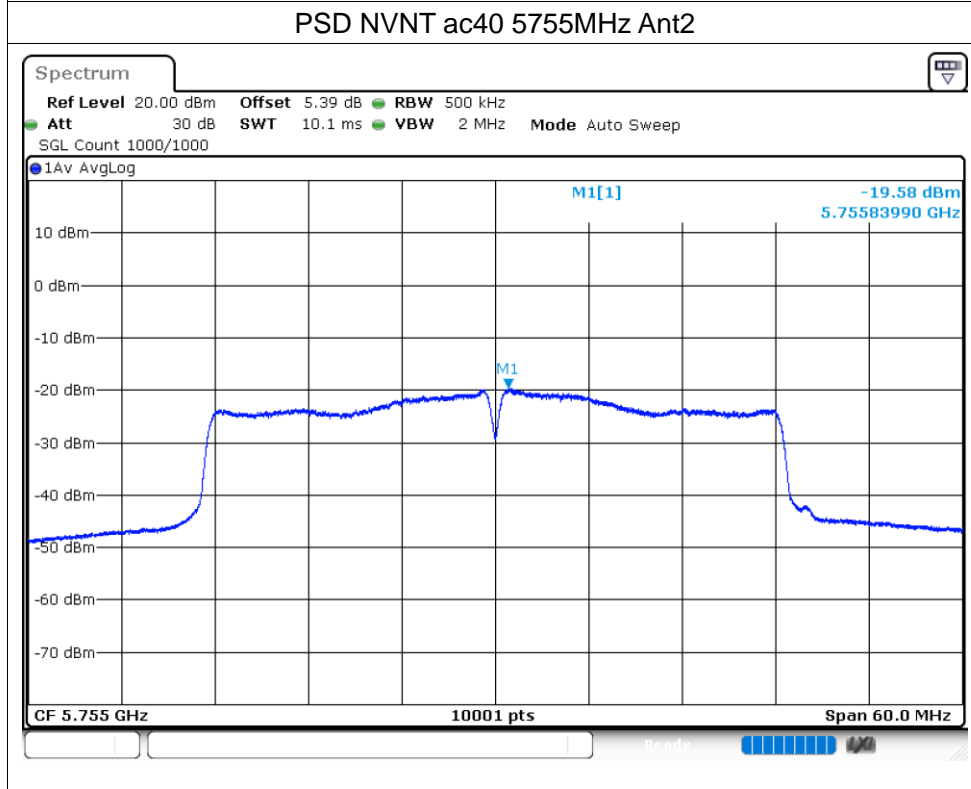
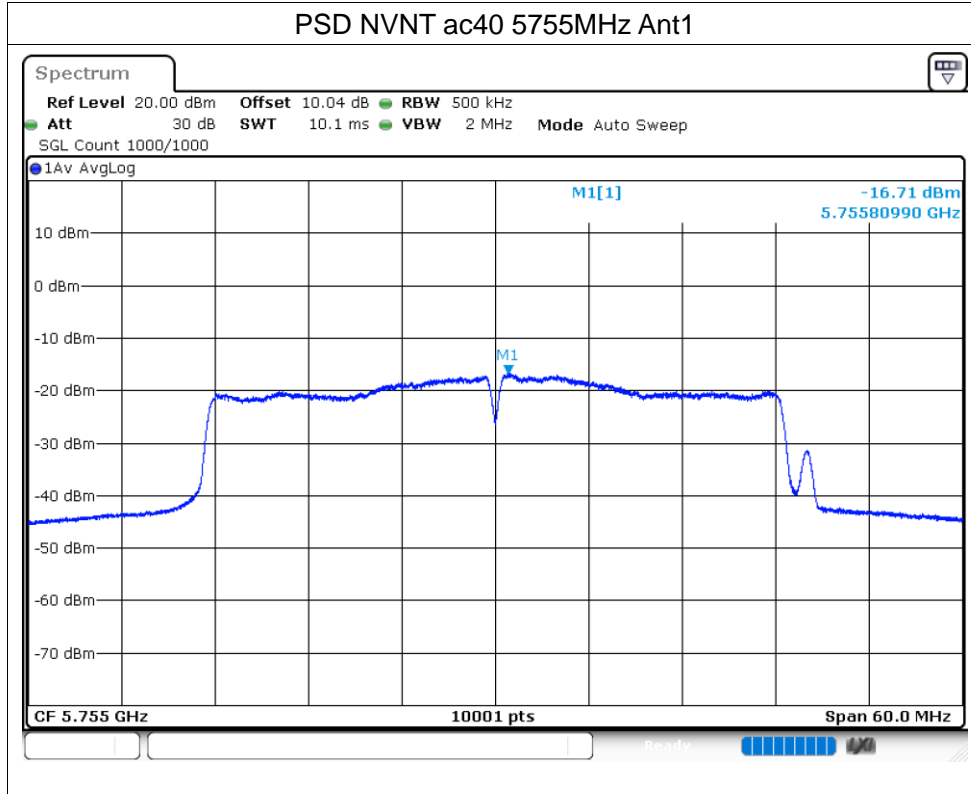


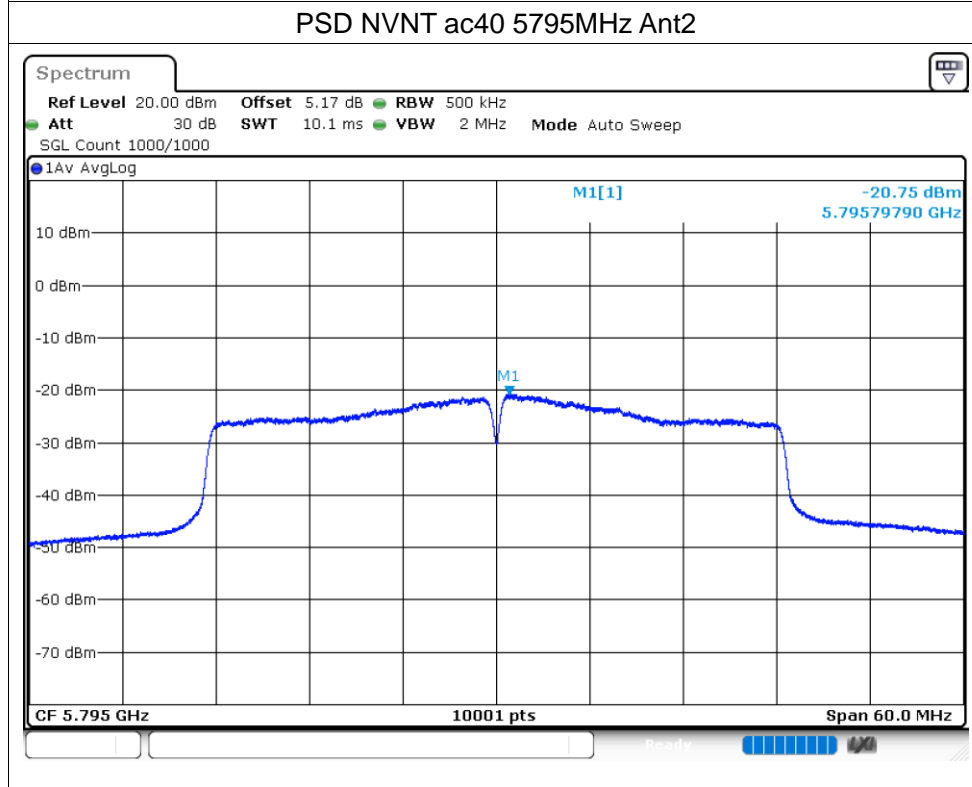
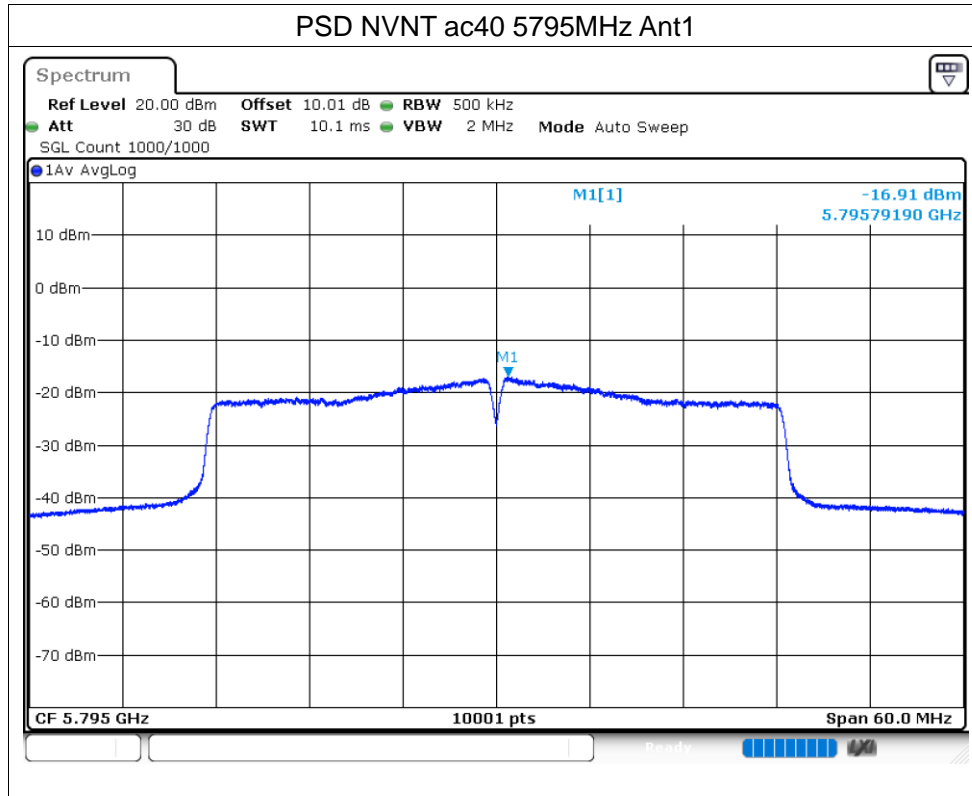
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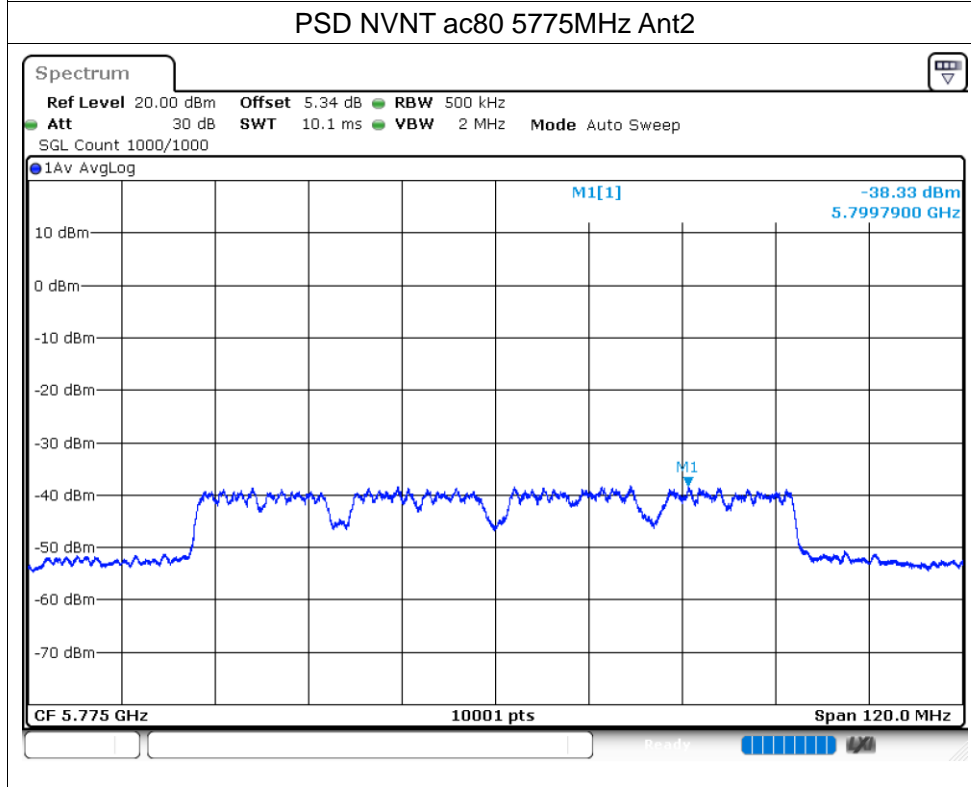
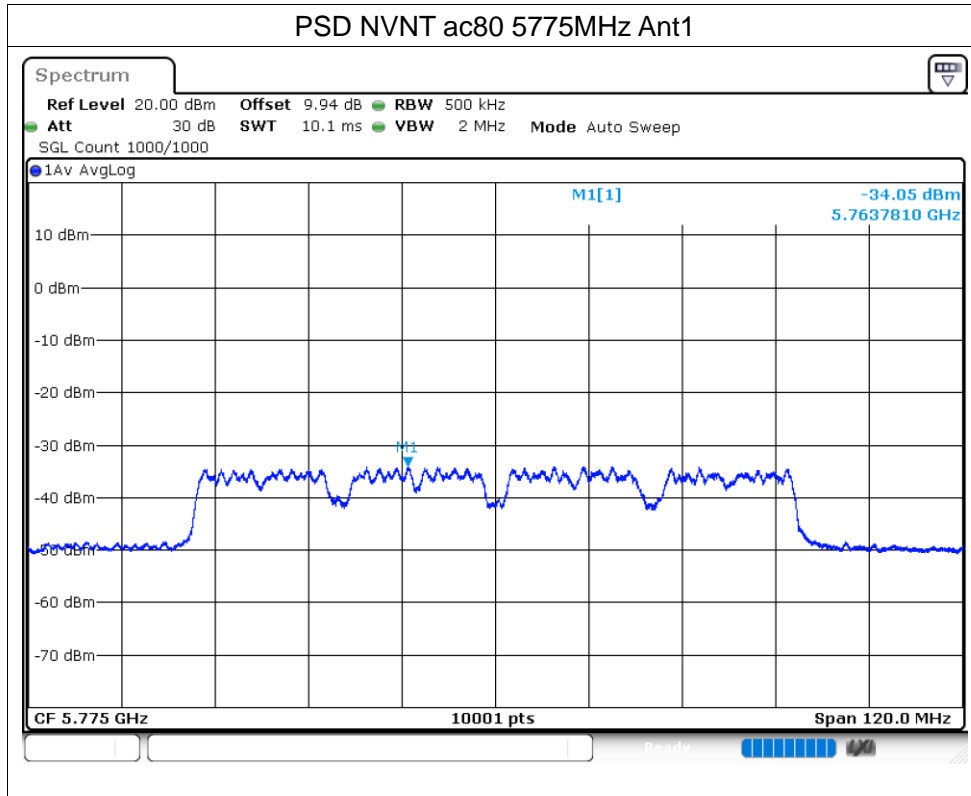


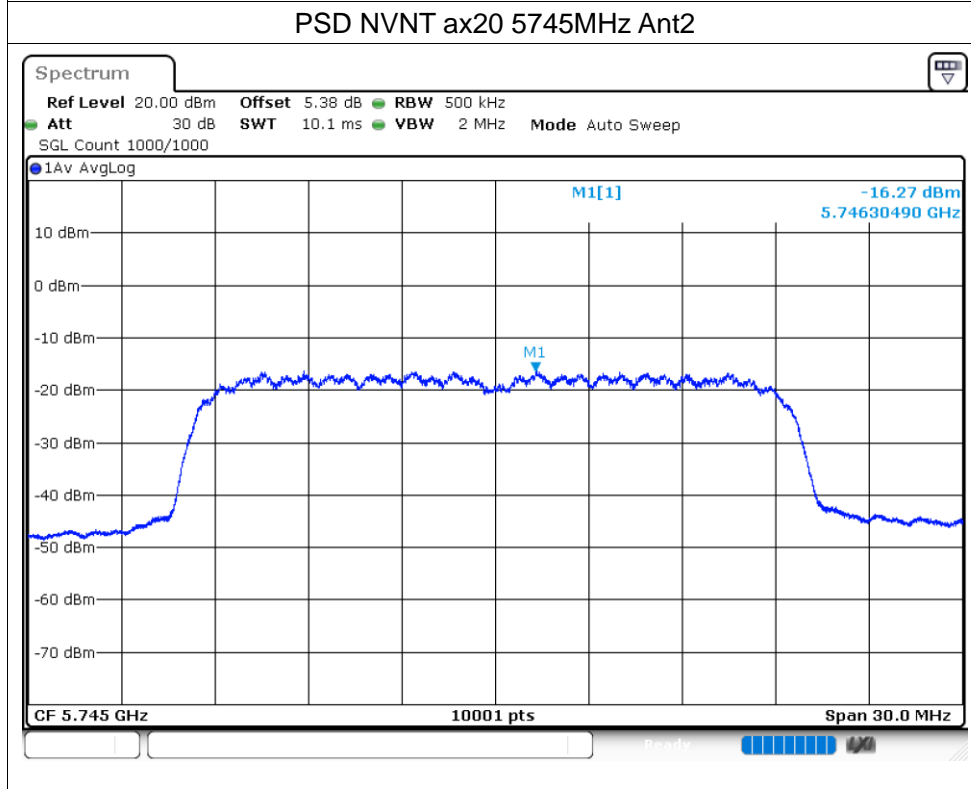
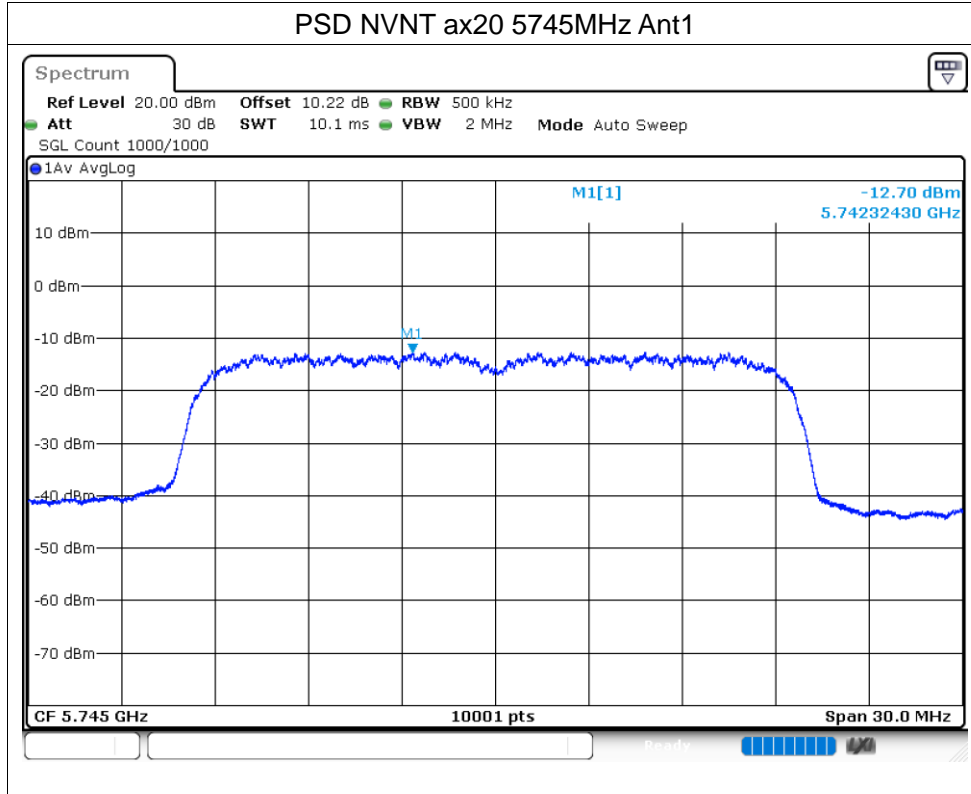


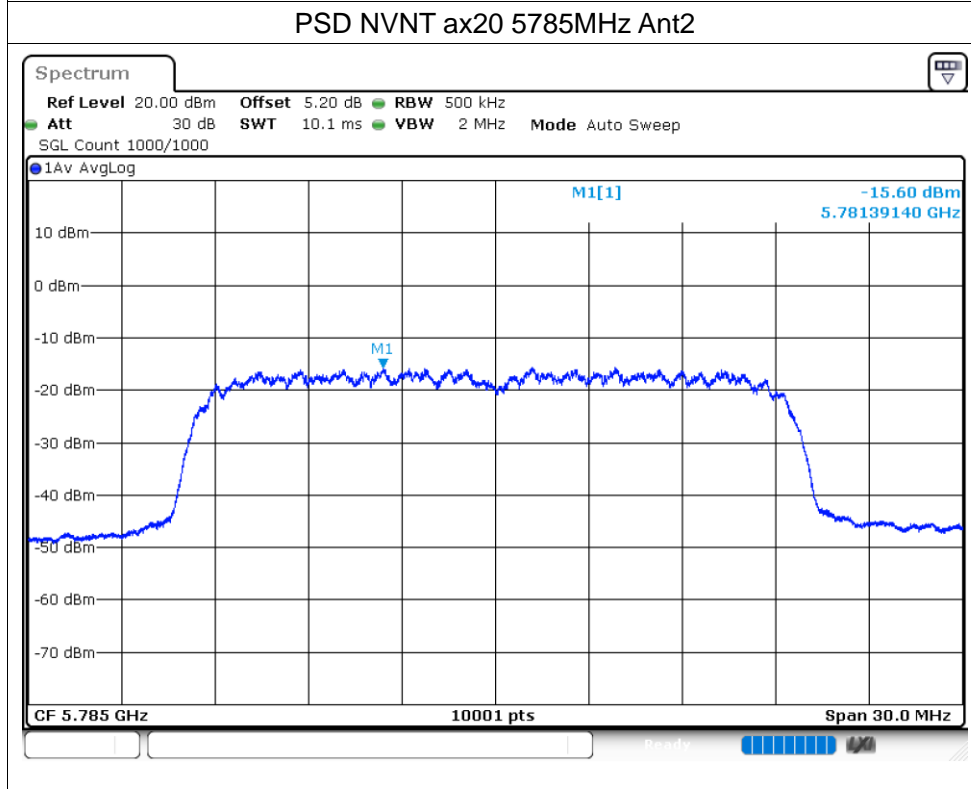
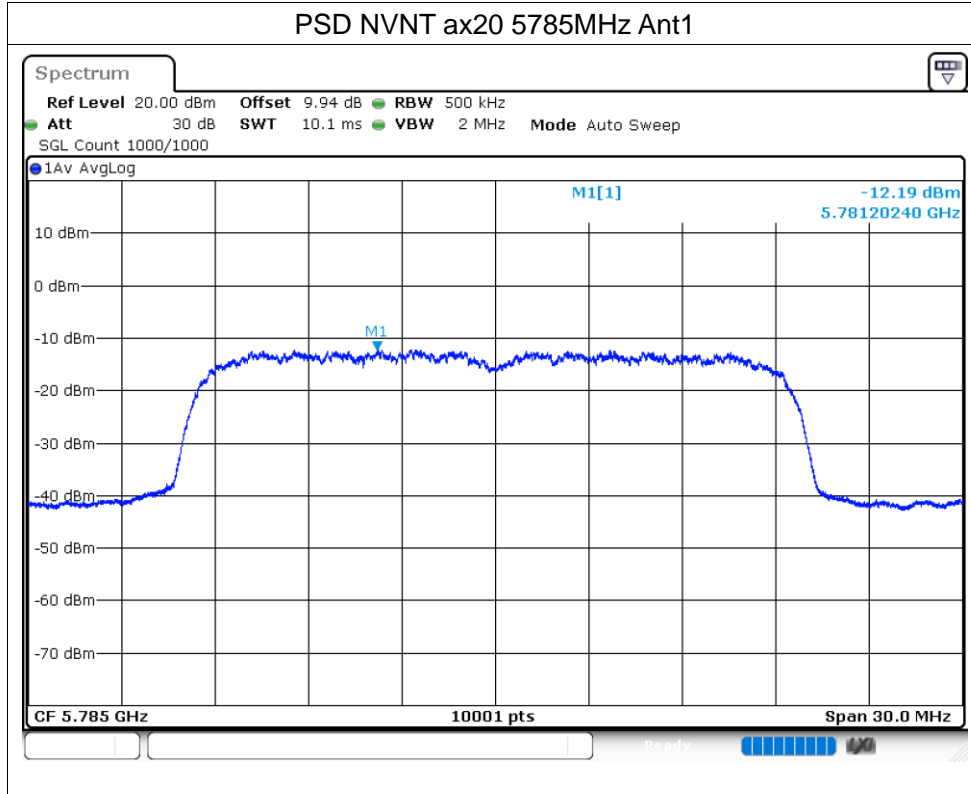


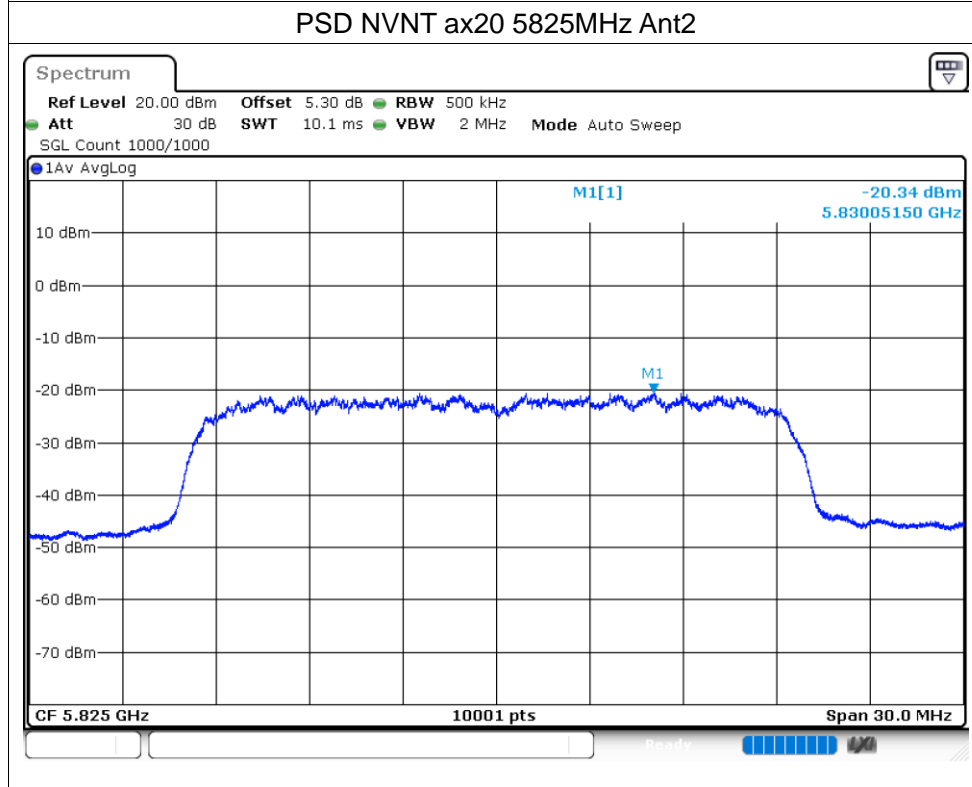
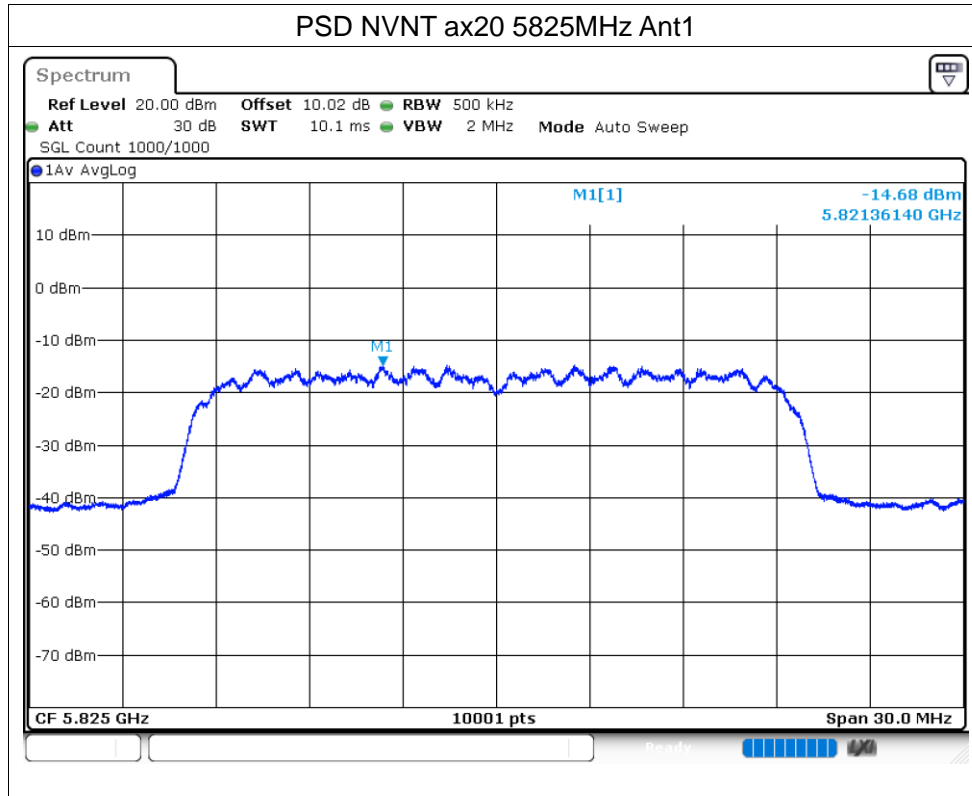


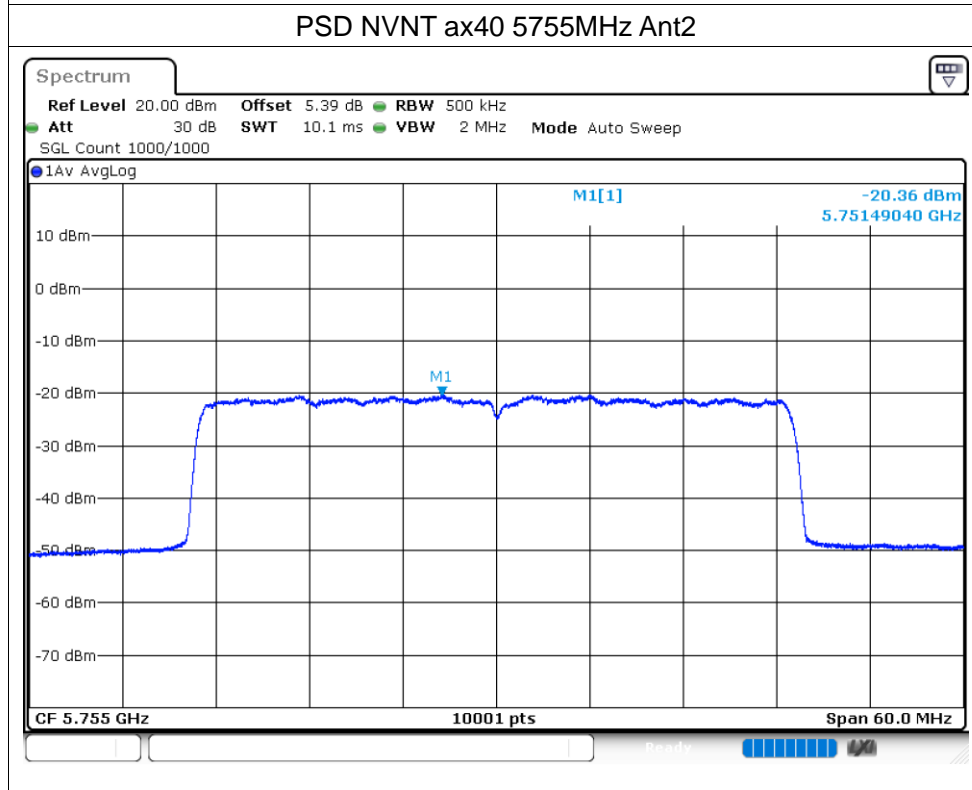
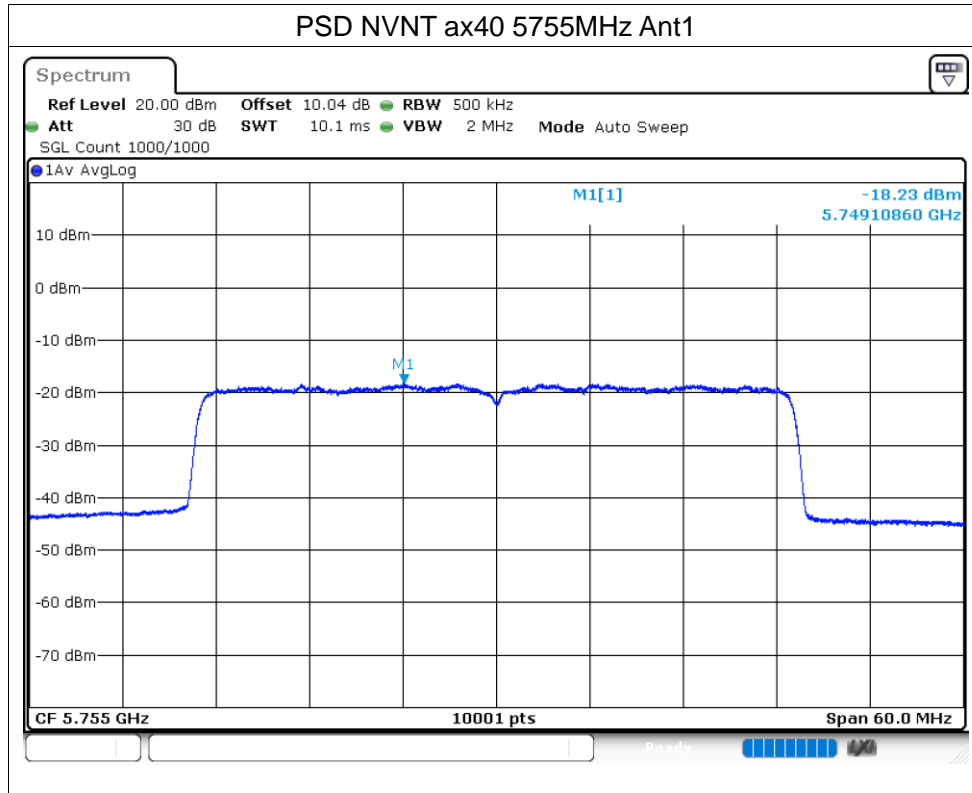


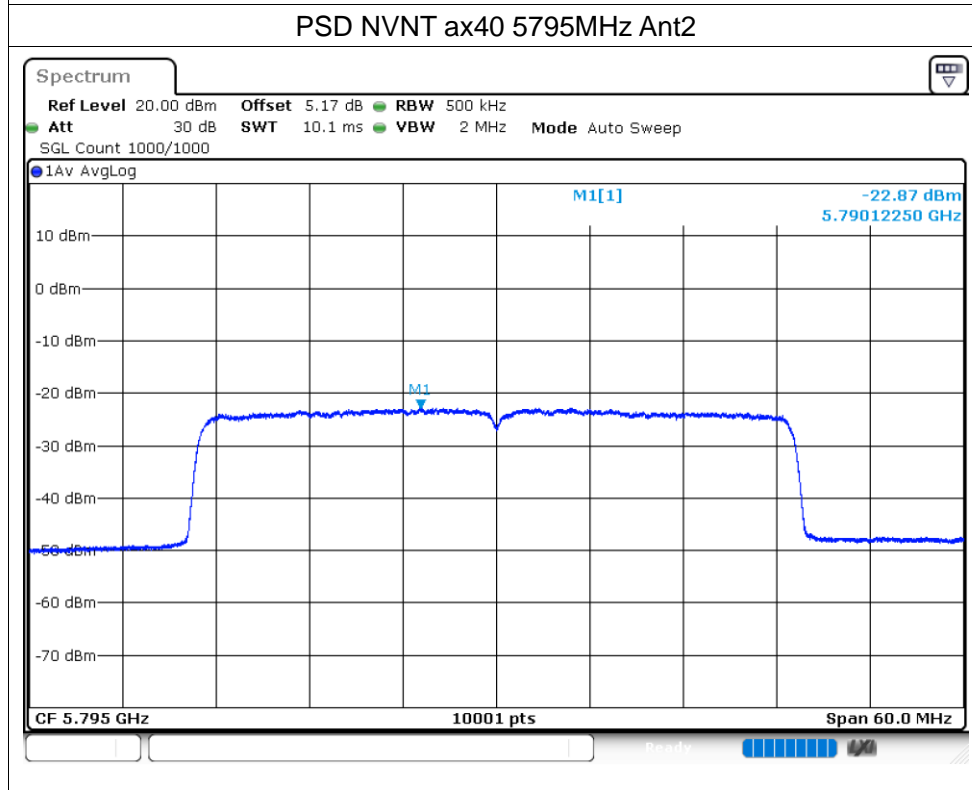
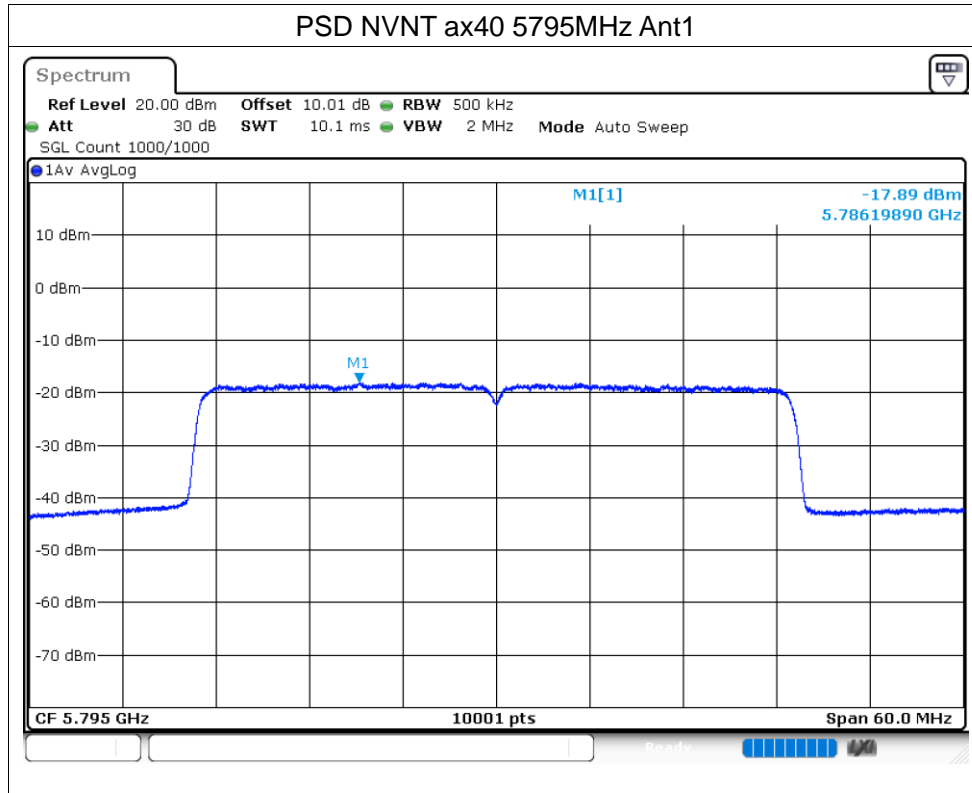


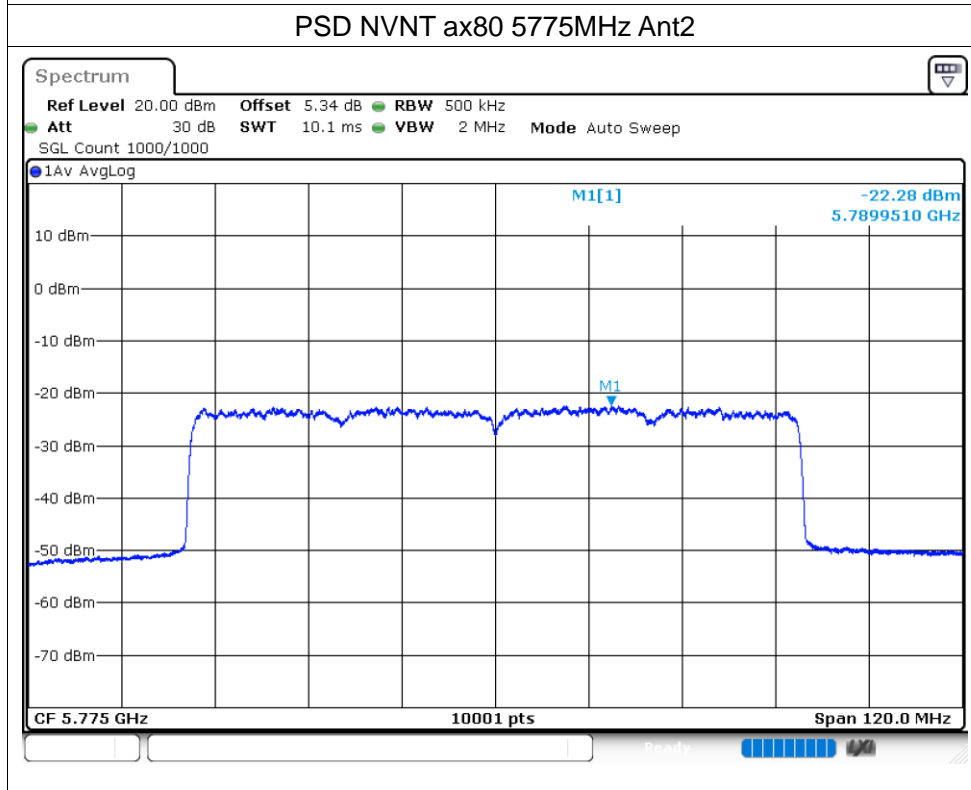
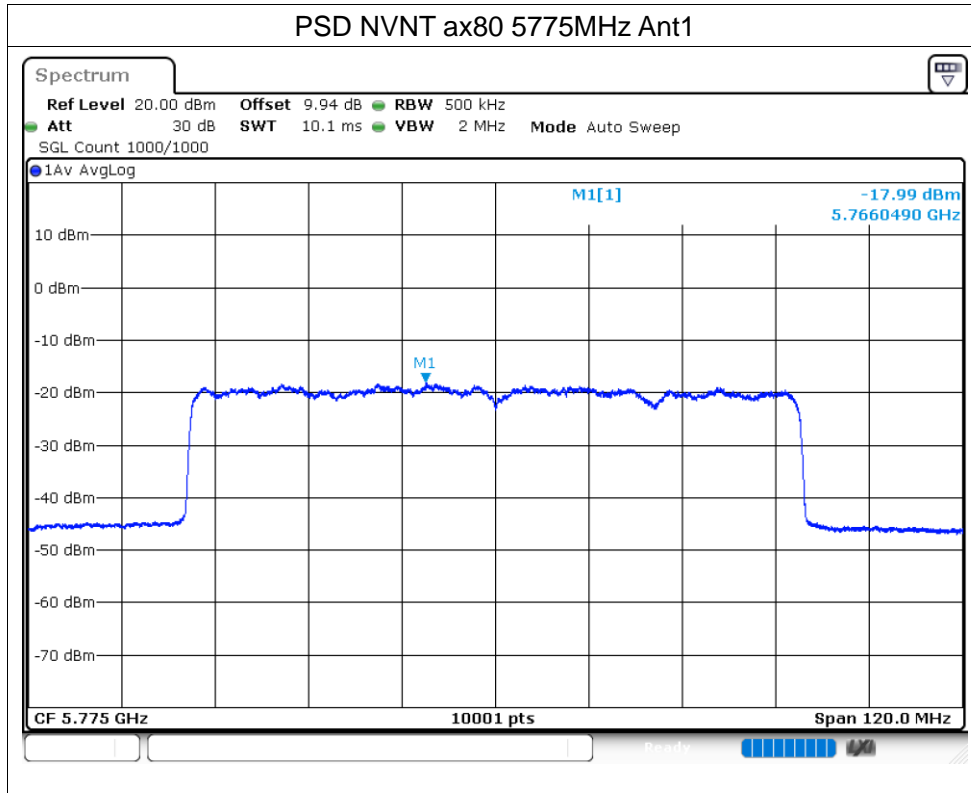


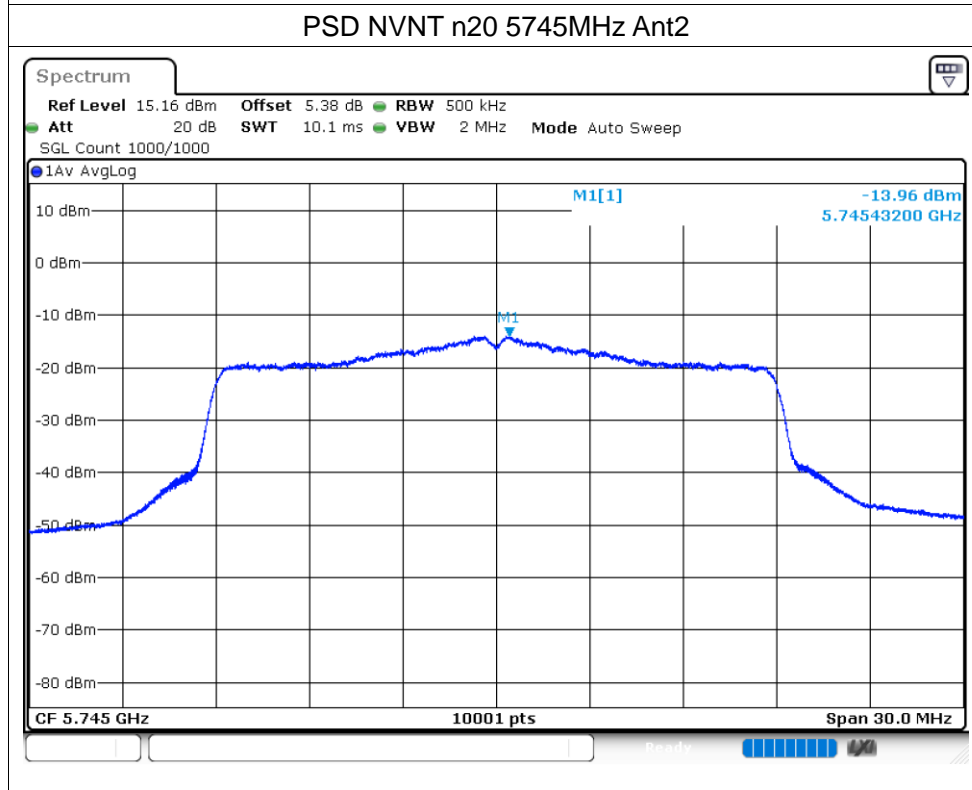
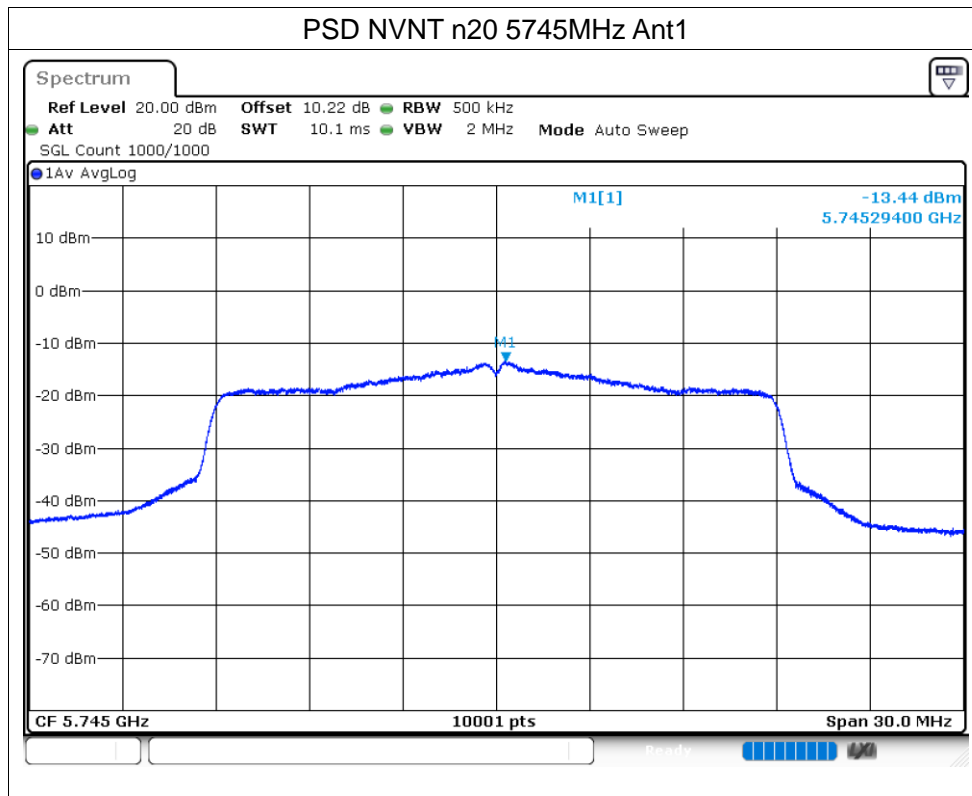


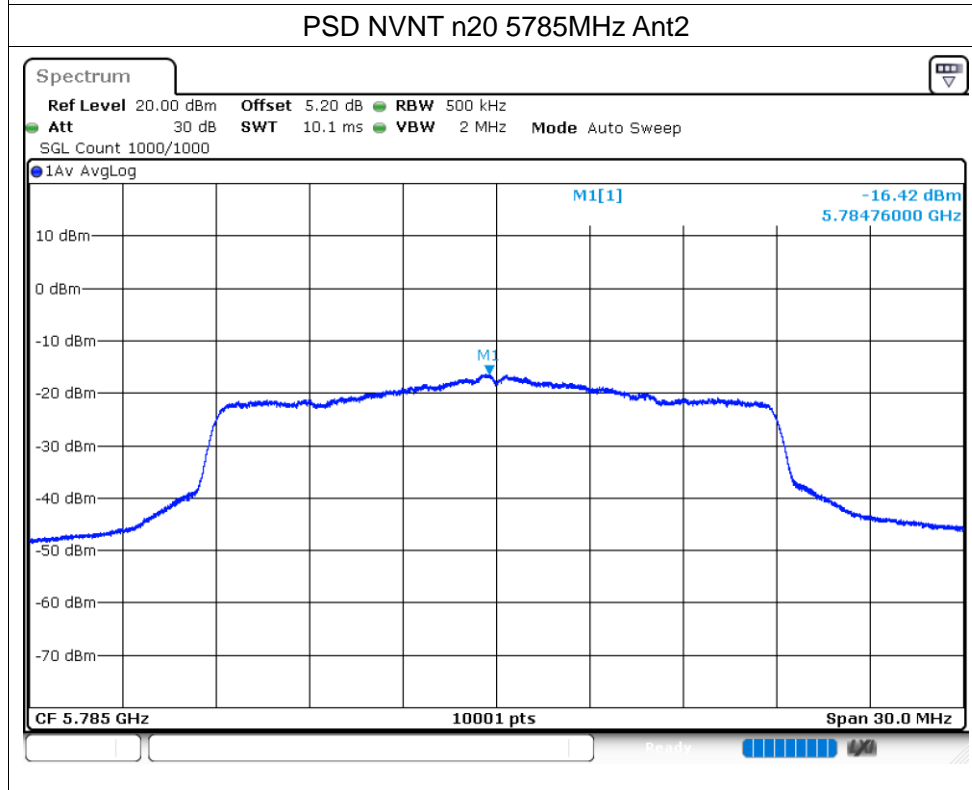
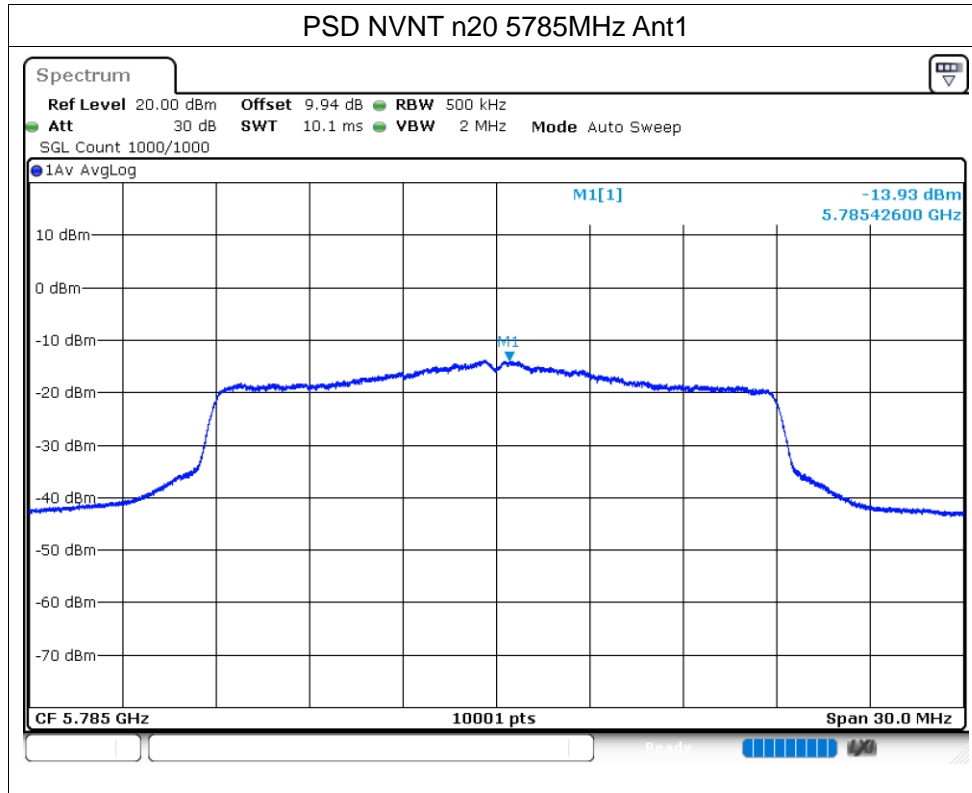


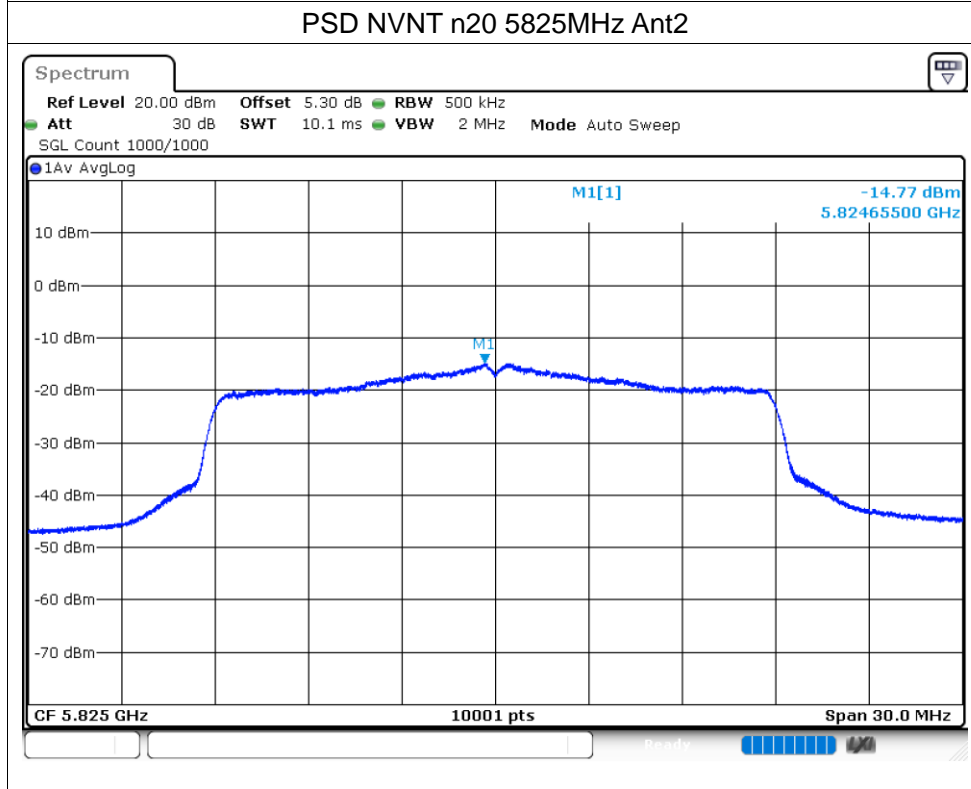
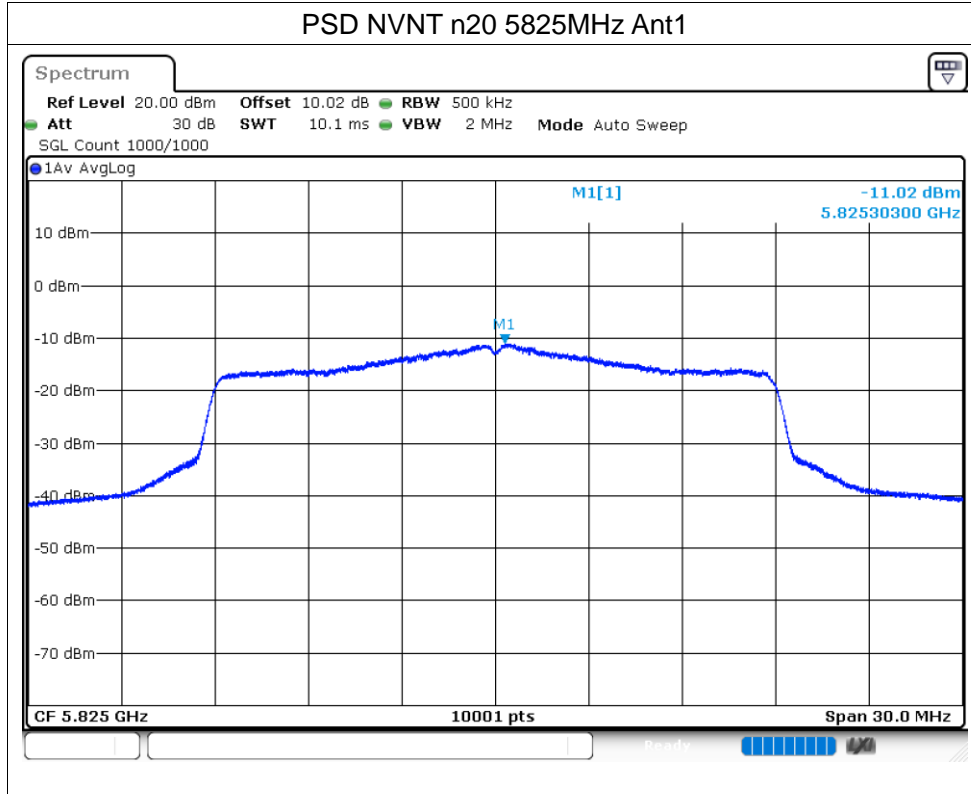


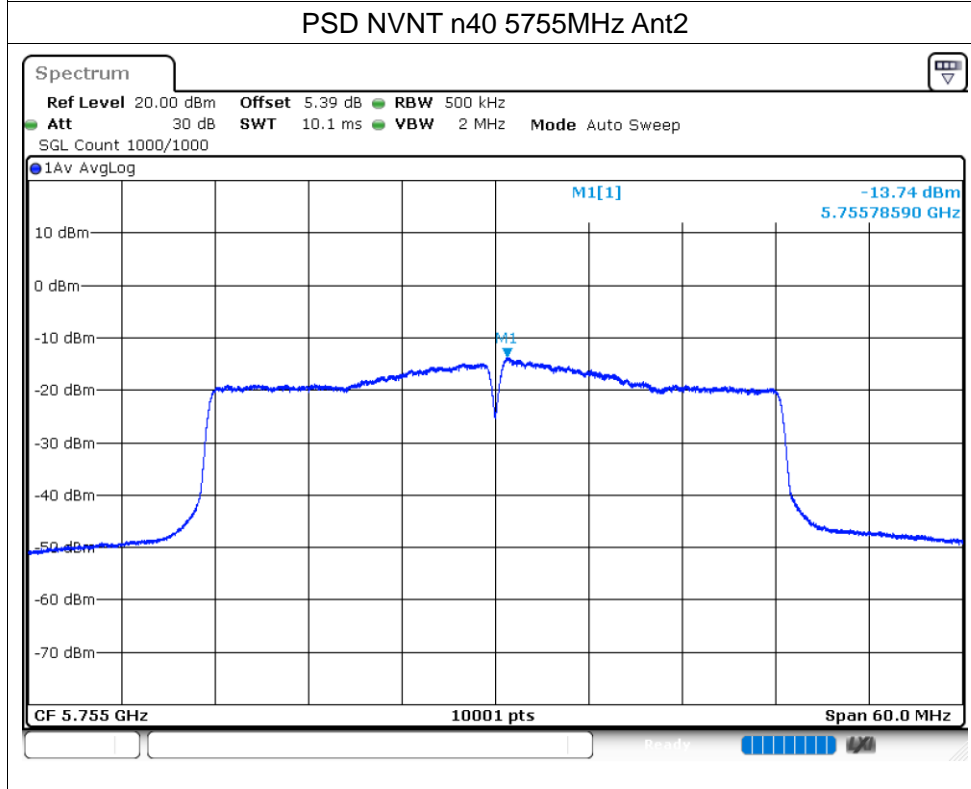
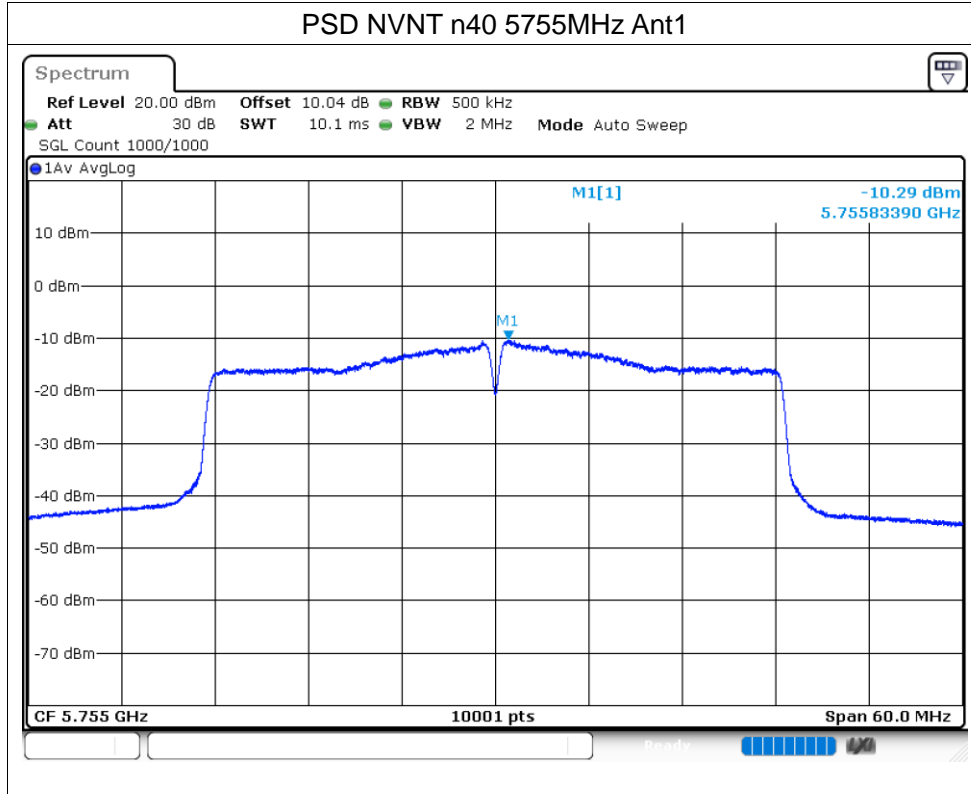


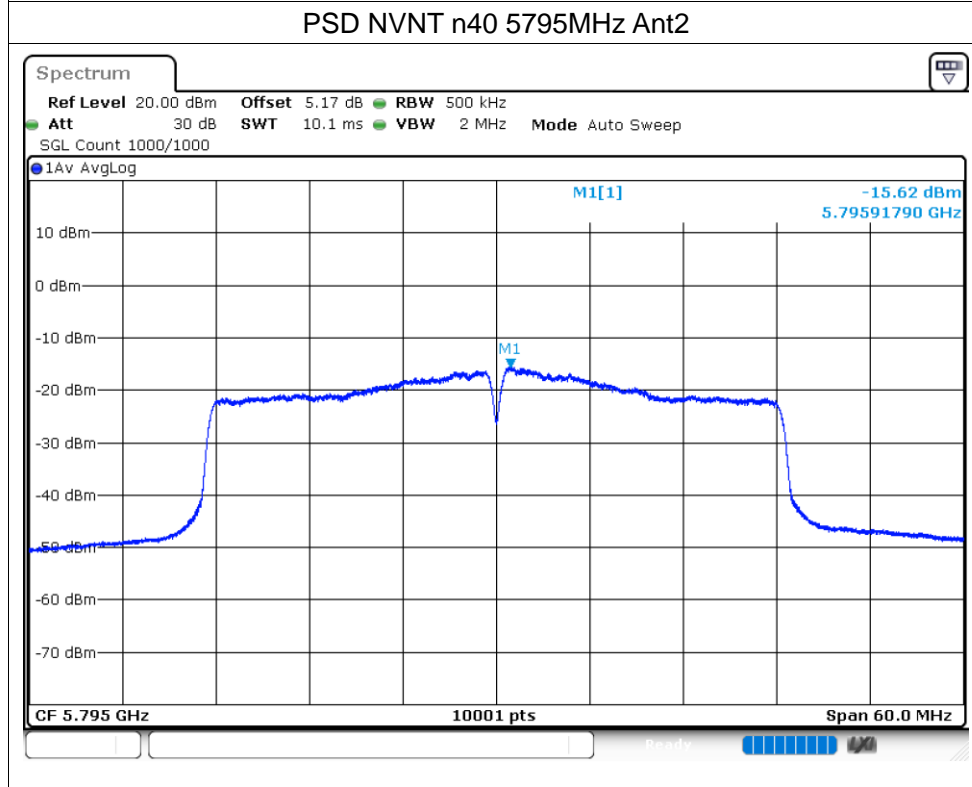
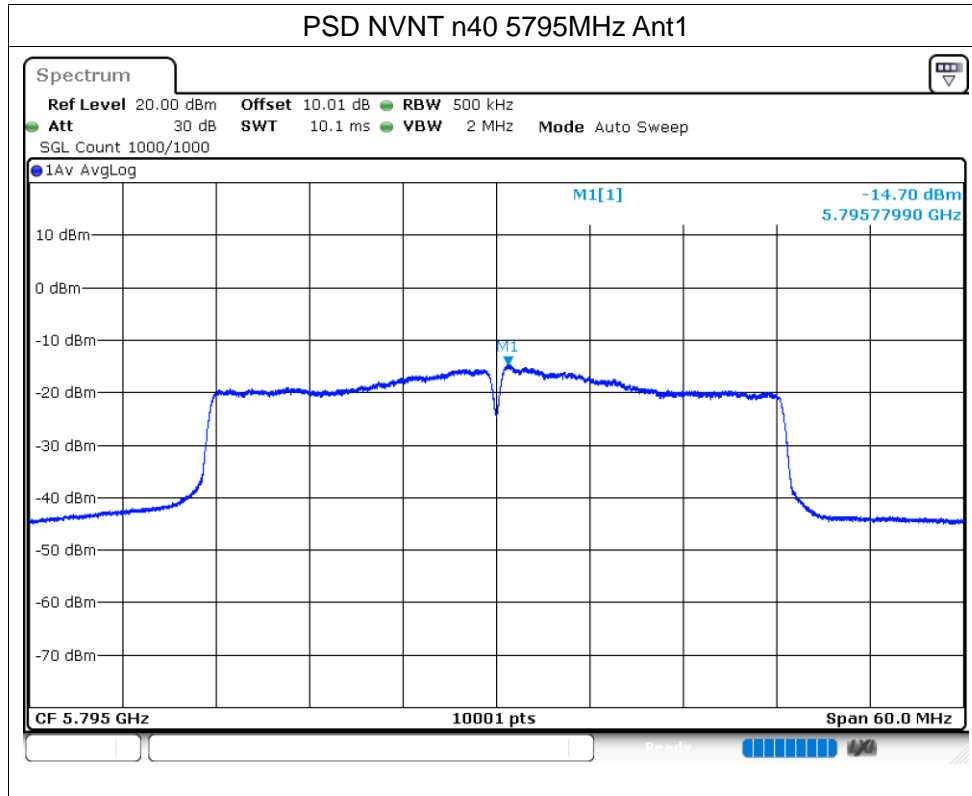










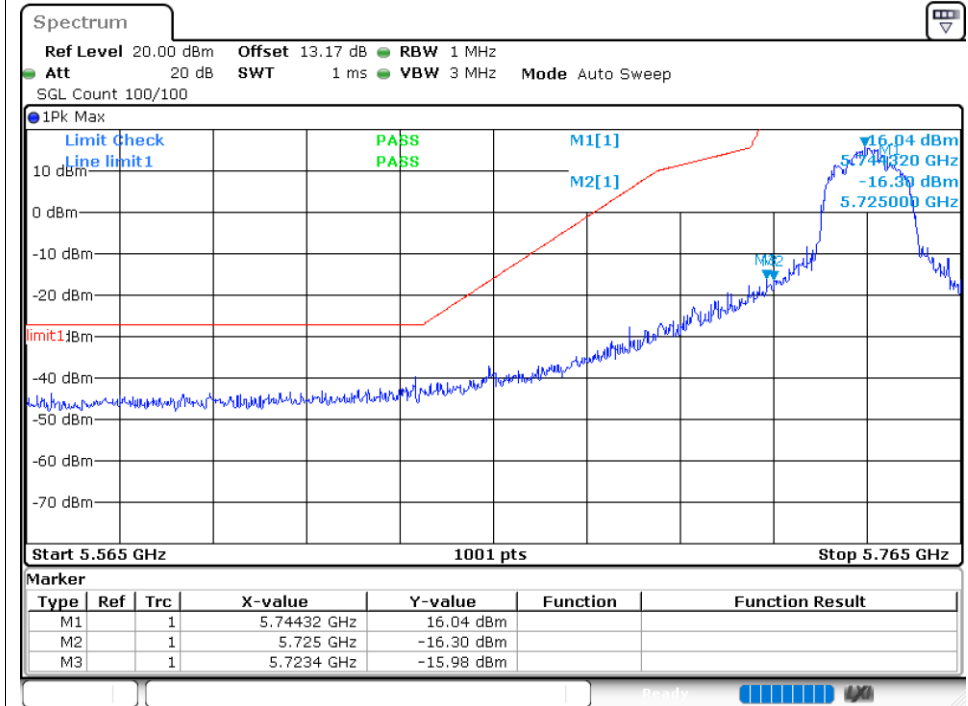


Band Edge

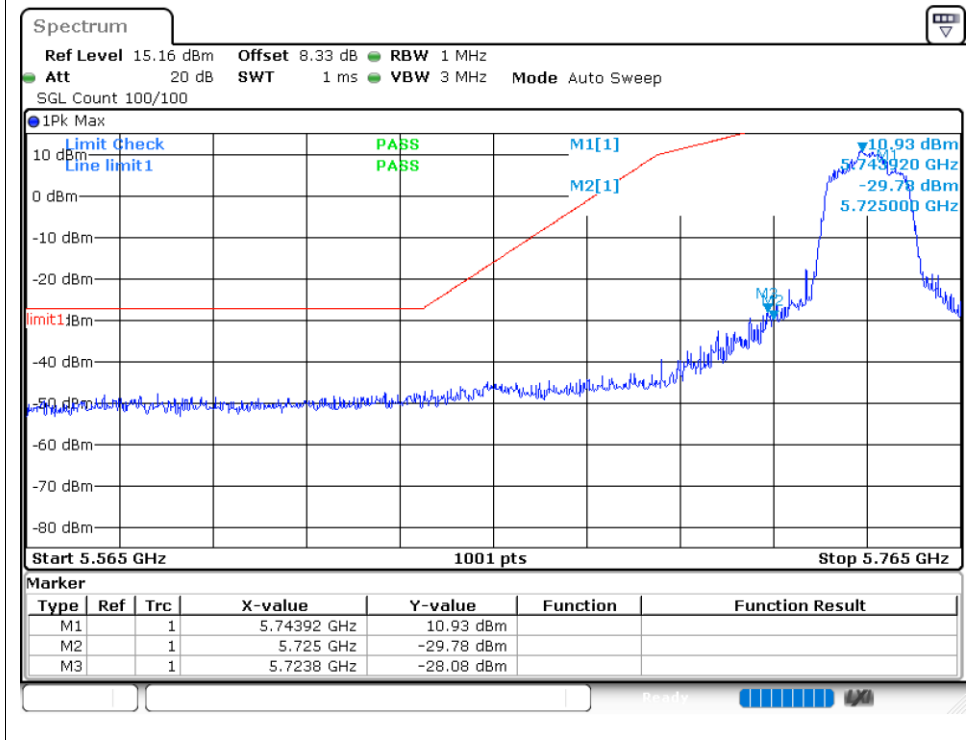
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	ac20	5745	Ant1	-15.98	Pass
NVNT	ac20	5745	Ant2	-28.08	Pass
NVNT	ac20	5825	Ant1	-23.28	Pass
NVNT	ac20	5825	Ant2	-33.19	Pass
NVNT	ac40	5755	Ant1	-18.34	Pass
NVNT	ac40	5755	Ant2	-26.28	Pass
NVNT	ac40	5795	Ant1	-30.78	Pass
NVNT	ac40	5795	Ant2	-39.07	Pass
NVNT	ac80	5775	Ant1	-30.8	Pass
NVNT	ac80	5775	Ant2	-32.54	Pass
NVNT	ax20	5745	Ant1	-20.52	Pass
NVNT	ax20	5745	Ant2	-28.3	Pass
NVNT	ax20	5825	Ant1	-21.87	Pass
NVNT	ax20	5825	Ant2	-29.55	Pass
NVNT	ax40	5755	Ant1	-20.53	Pass
NVNT	ax40	5755	Ant2	-29.1	Pass
NVNT	ax40	5795	Ant1	-32.46	Pass
NVNT	ax40	5795	Ant2	-38.2	Pass
NVNT	ax80	5775	Ant1	-22.66	Pass
NVNT	ax80	5775	Ant2	-32.13	Pass
NVNT	n20	5745	Ant1	-18.45	Pass
NVNT	n20	5745	Ant2	-28.75	Pass
NVNT	n20	5825	Ant1	-29.13	Pass
NVNT	n20	5825	Ant2	-33.27	Pass
NVNT	n40	5755	Ant1	-21.62	Pass
NVNT	n40	5755	Ant2	-27.28	Pass
NVNT	n40	5795	Ant1	-34.02	Pass
NVNT	n40	5795	Ant2	-41.56	Pass

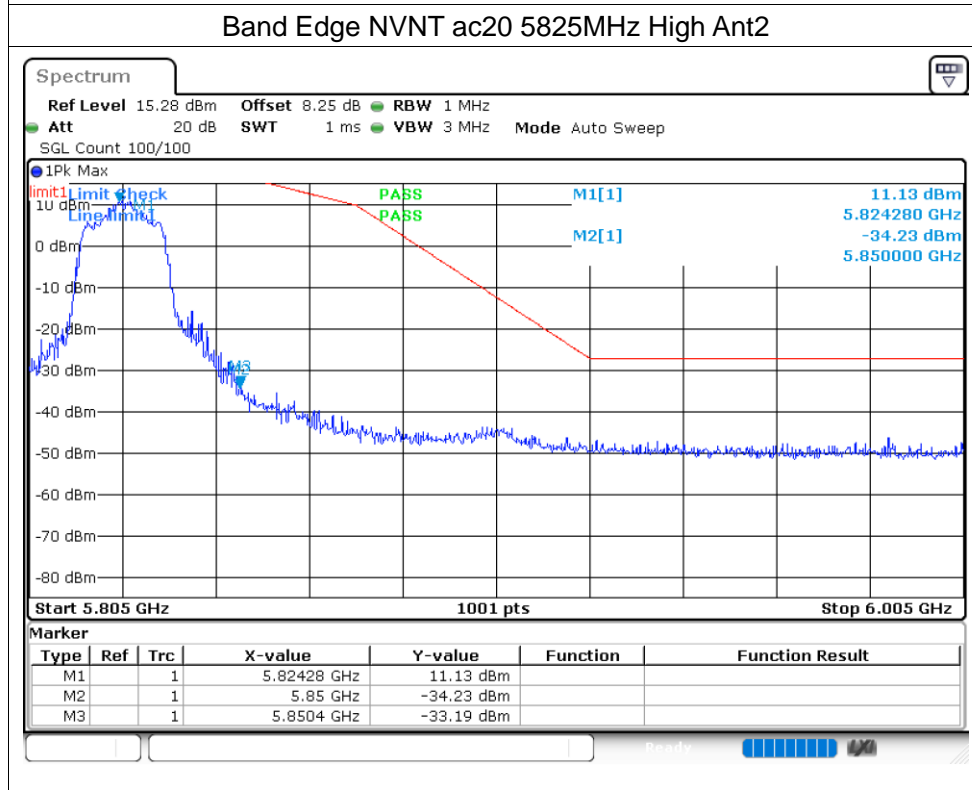
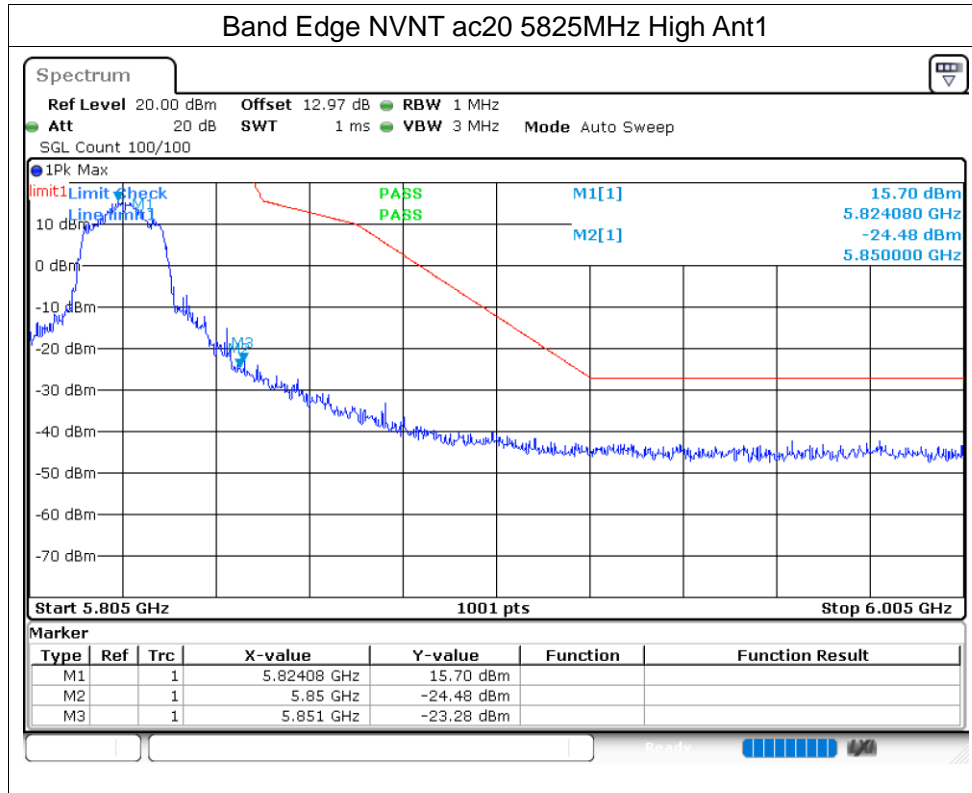
Test Graphs

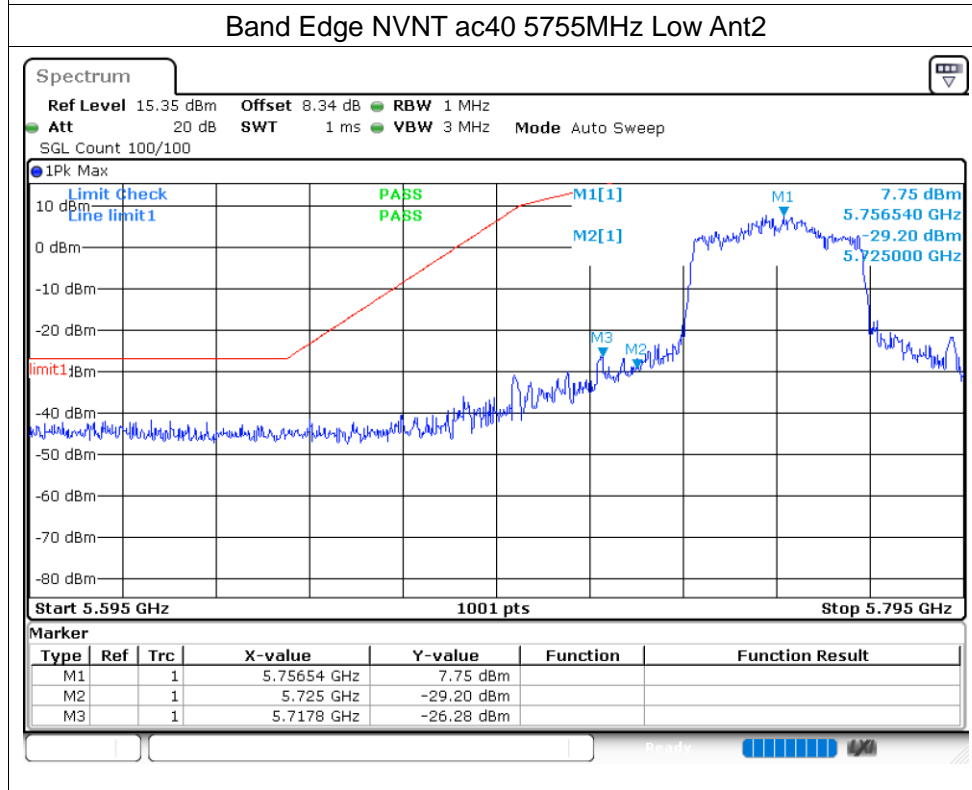
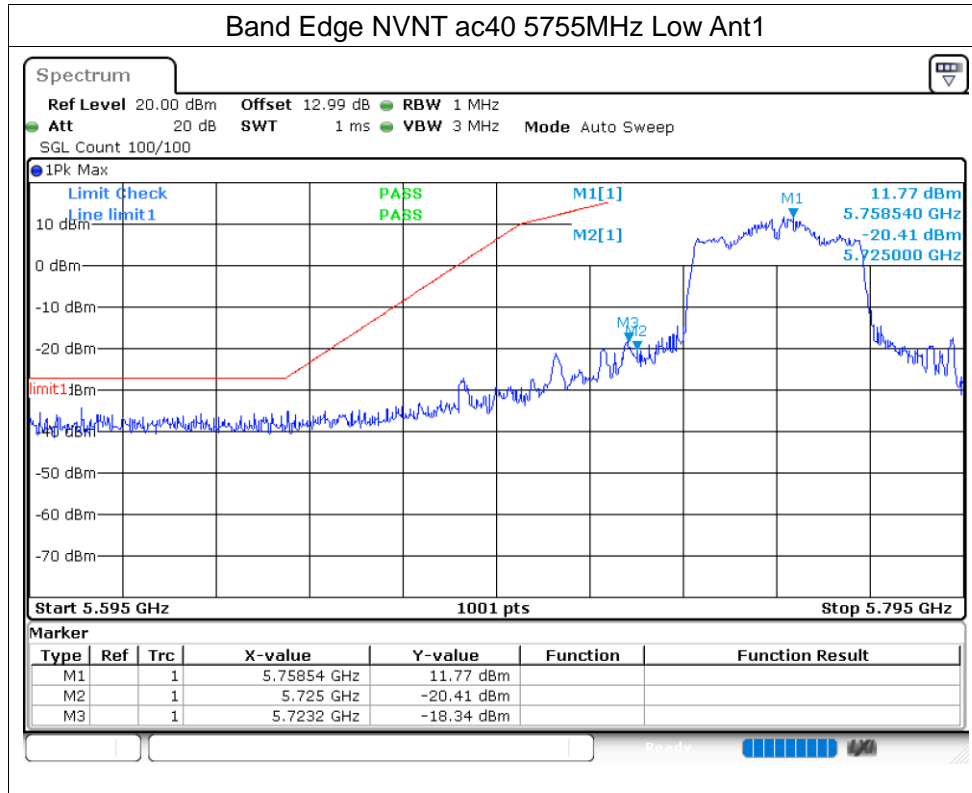
Band Edge NVNT ac20 5745MHz Low Ant1

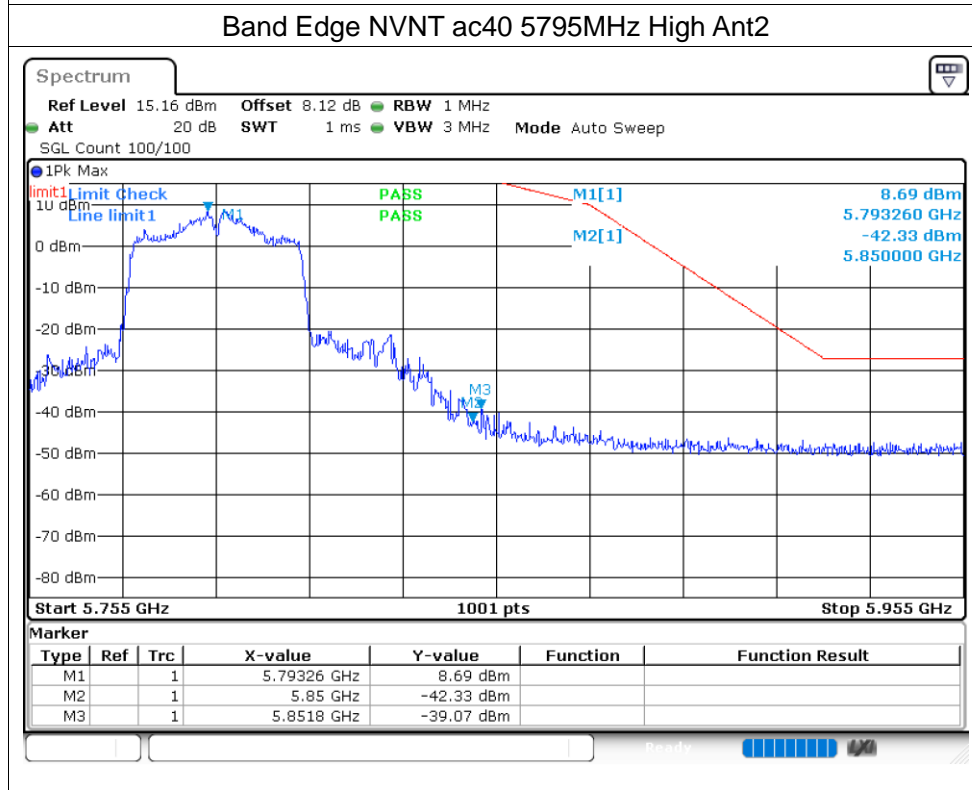
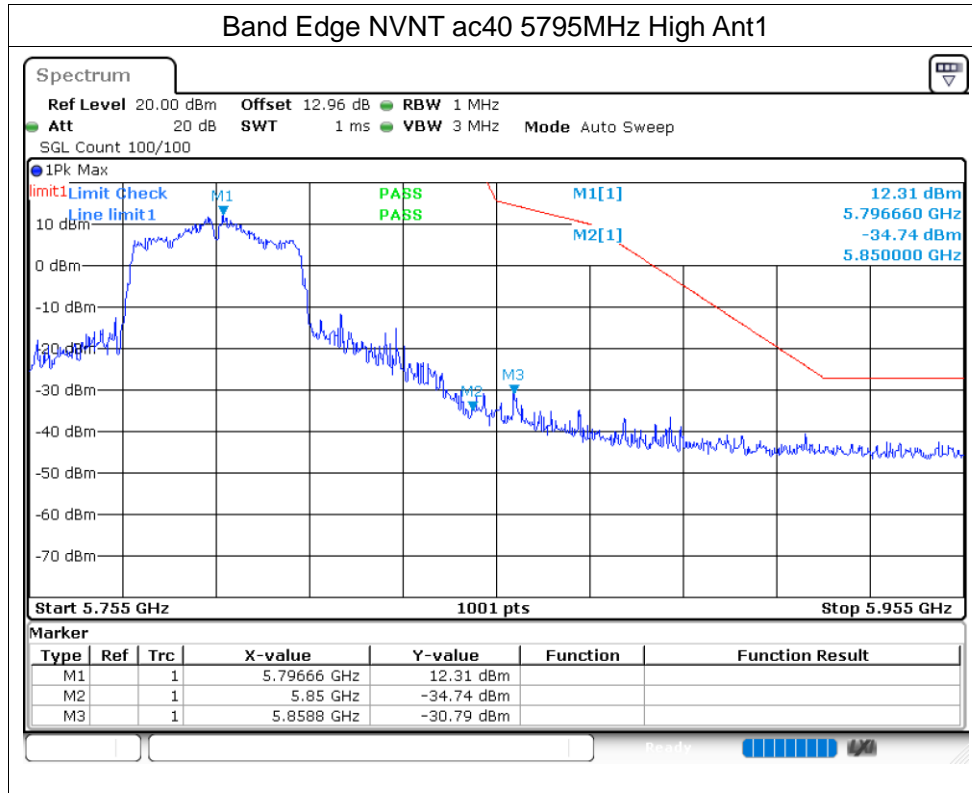


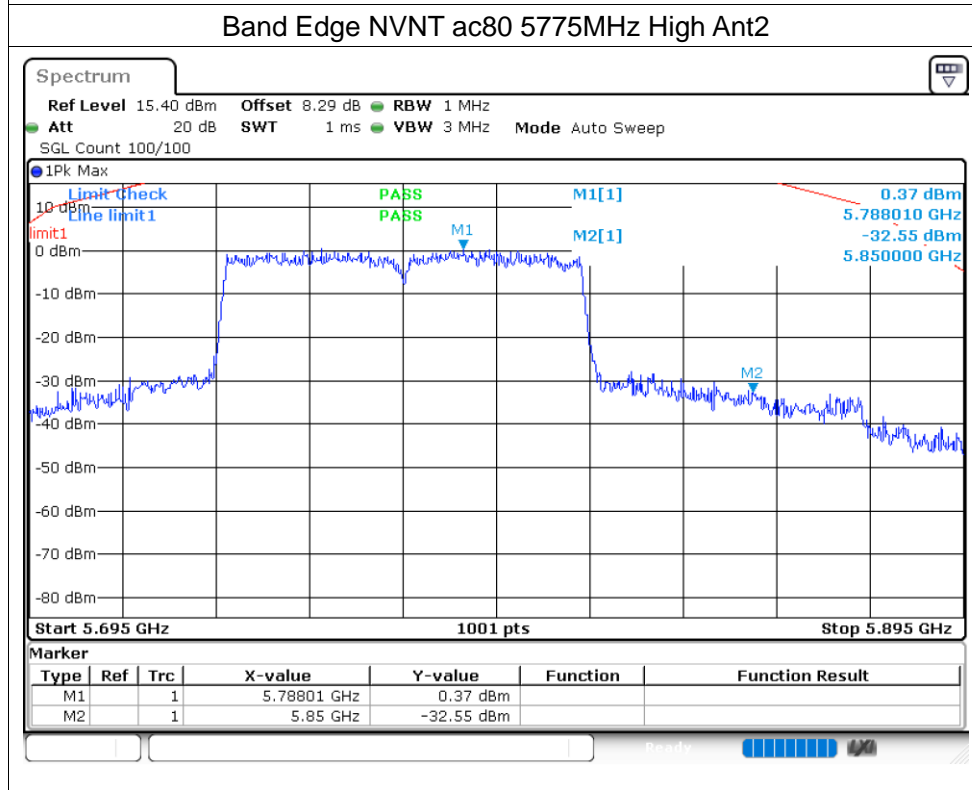
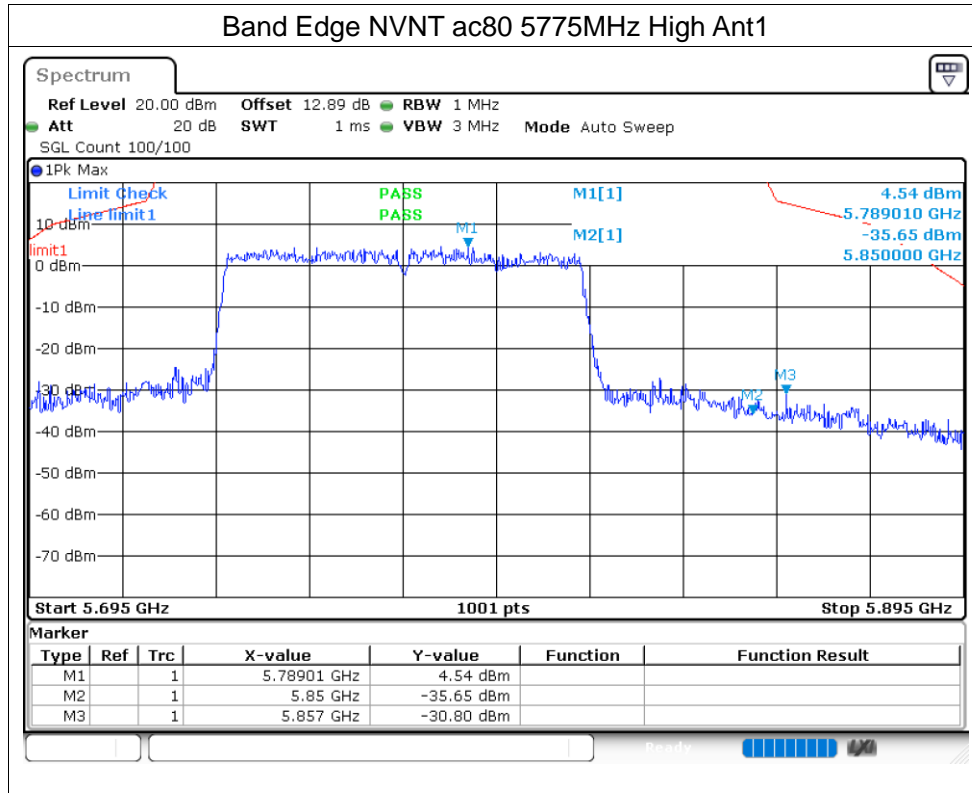
Band Edge NVNT ac20 5745MHz Low Ant2

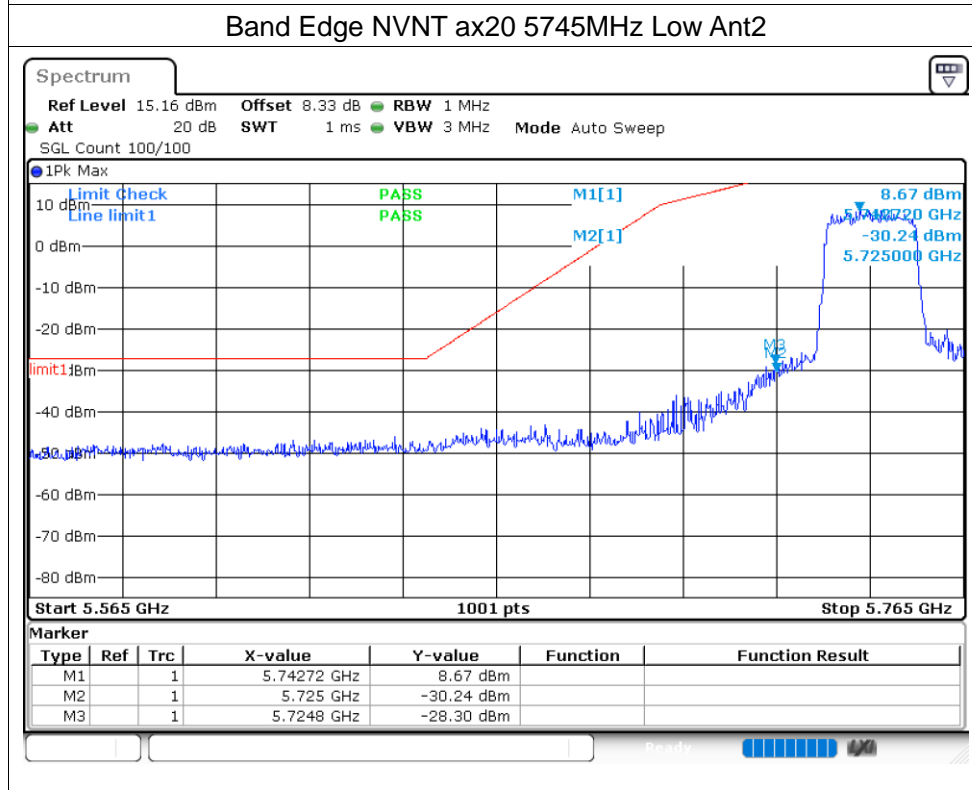
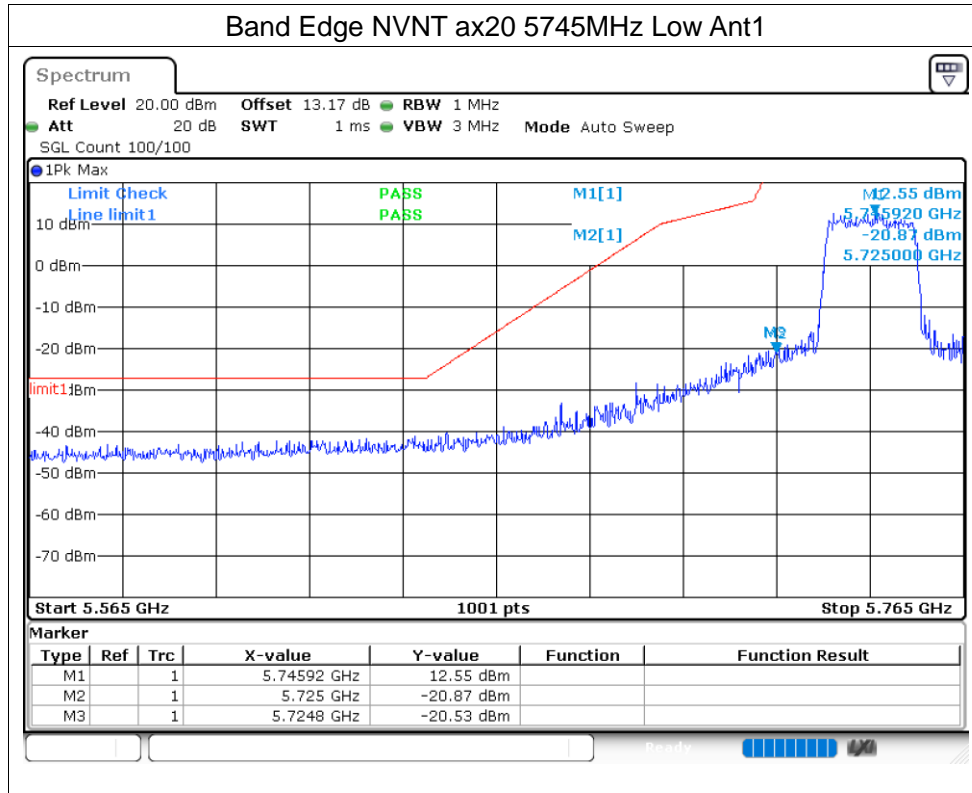


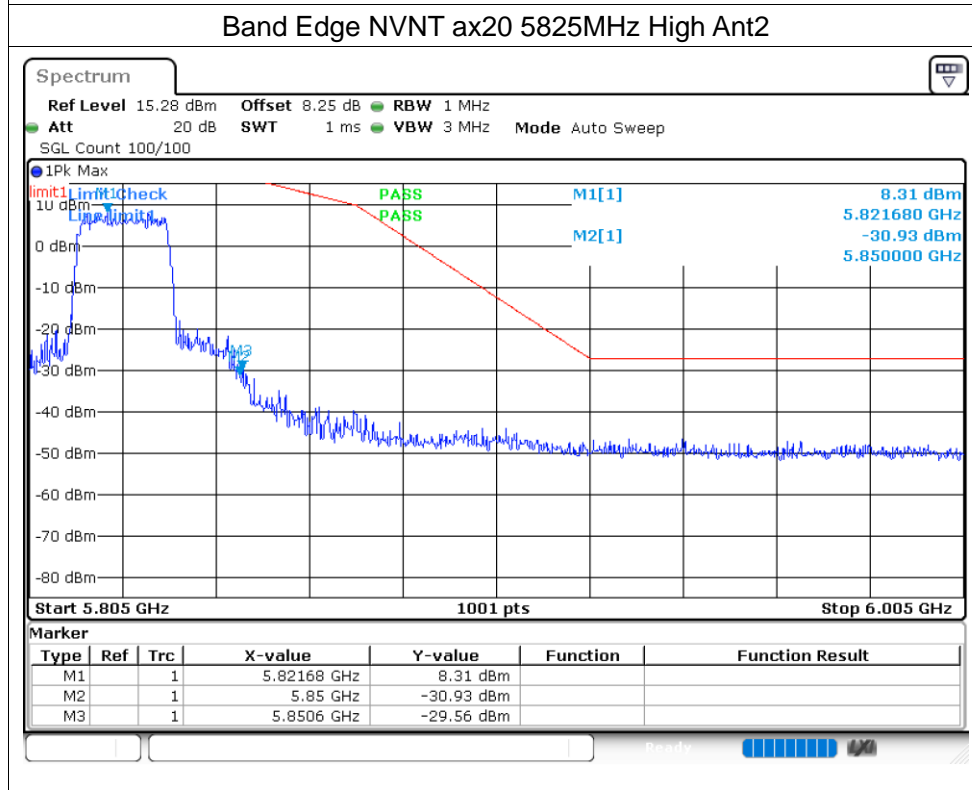
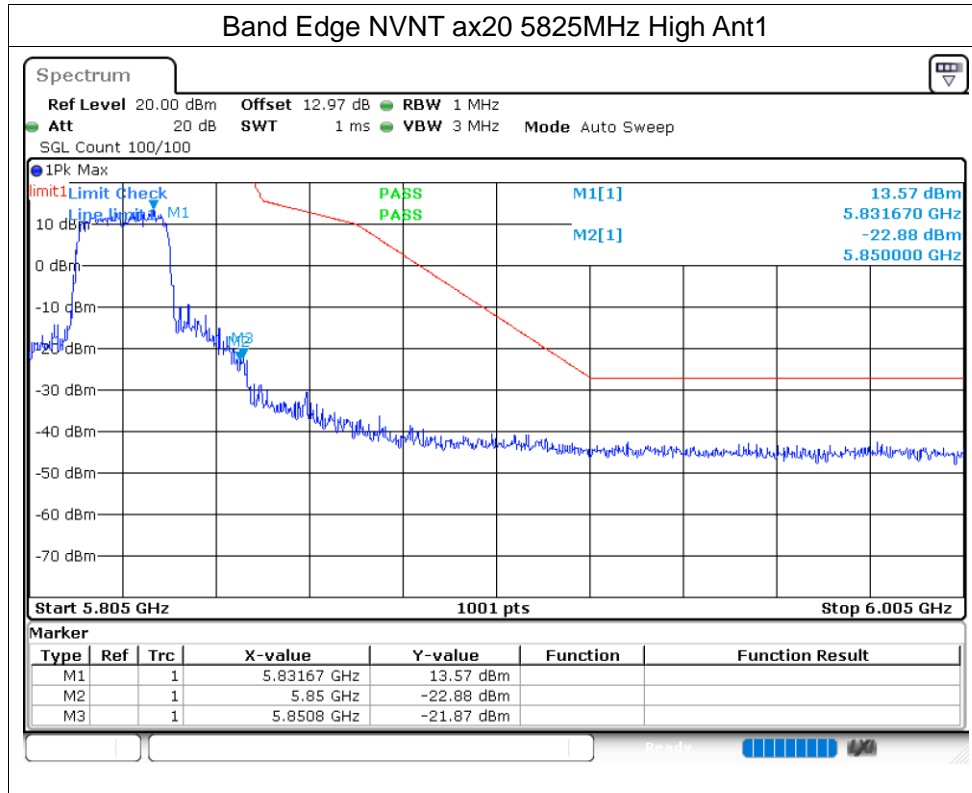


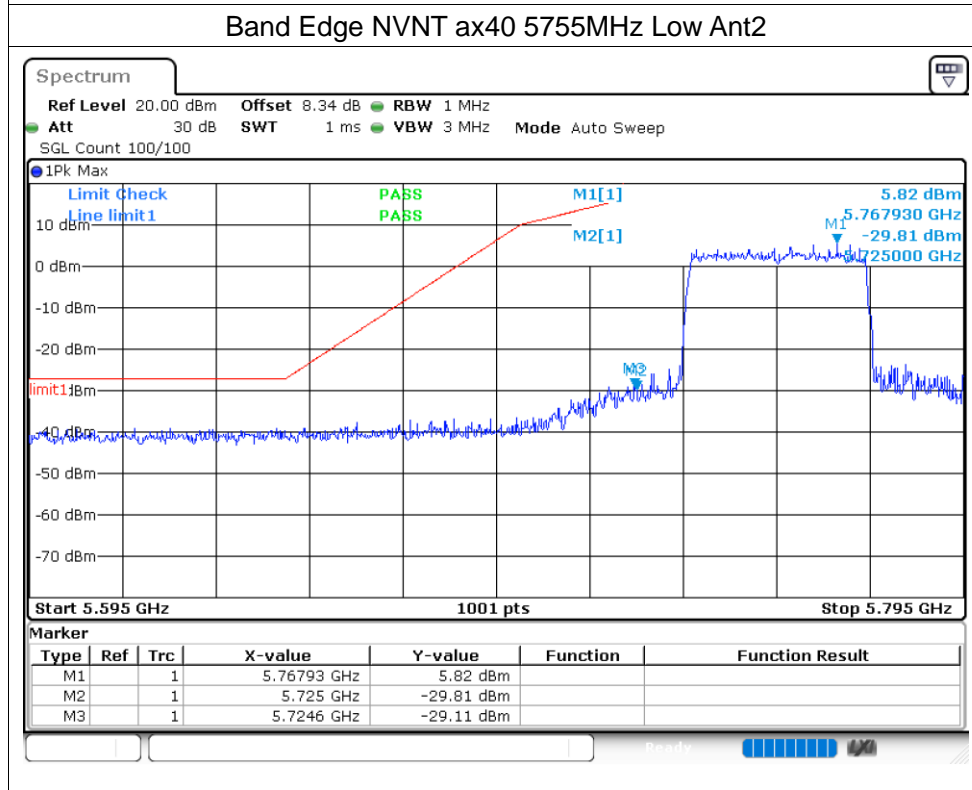
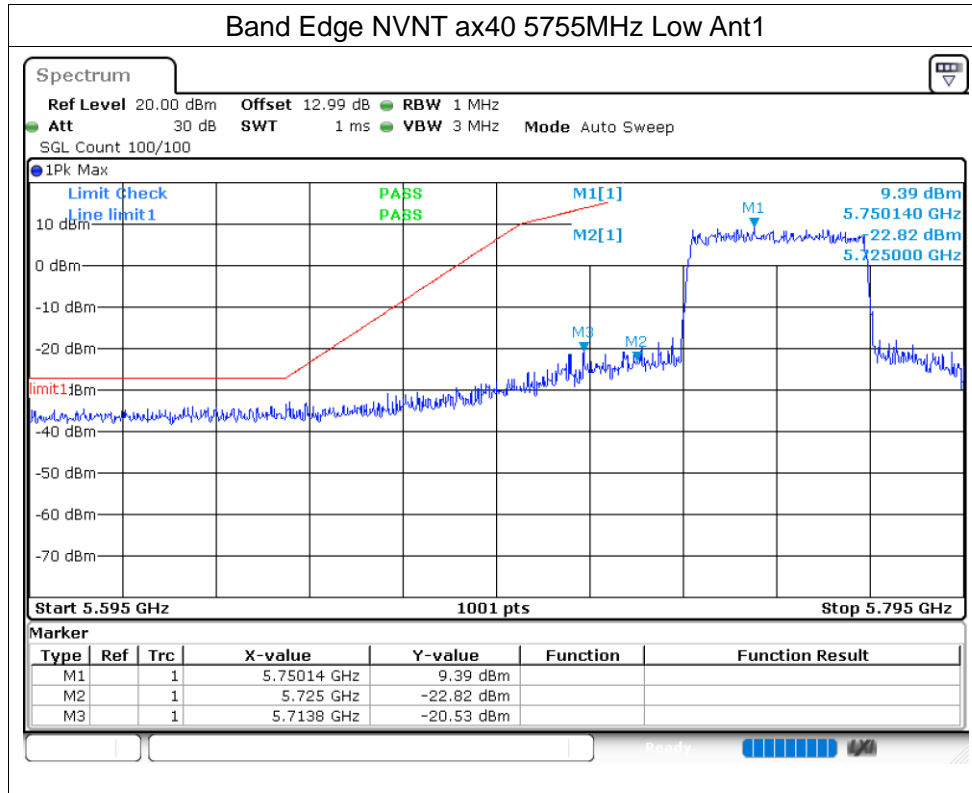


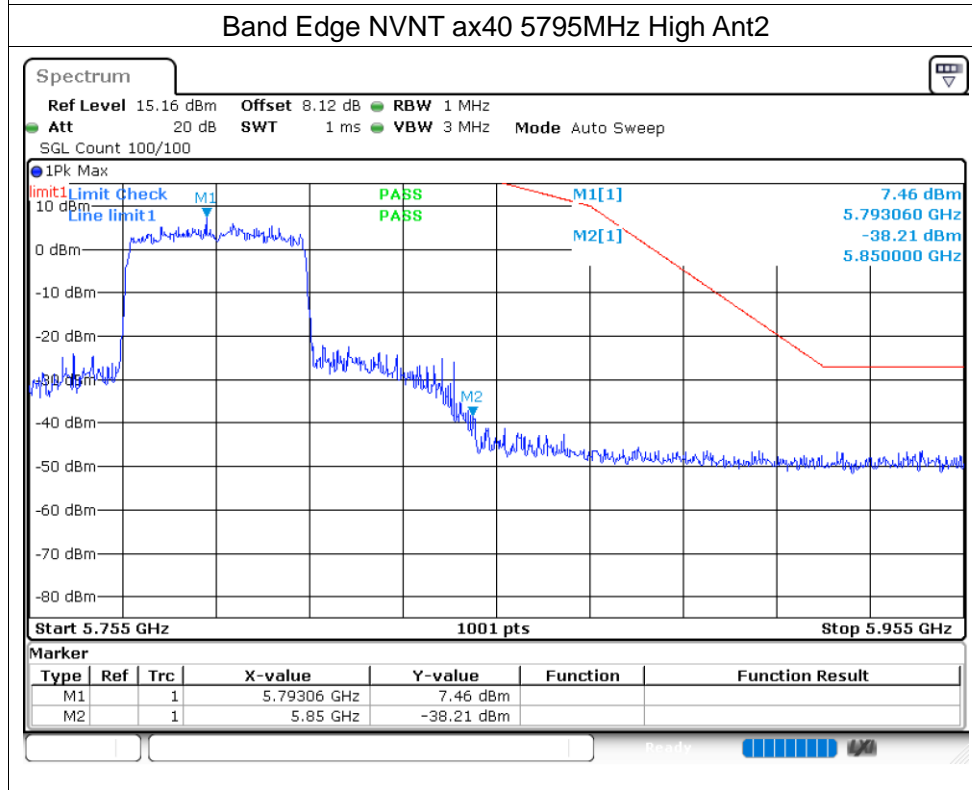
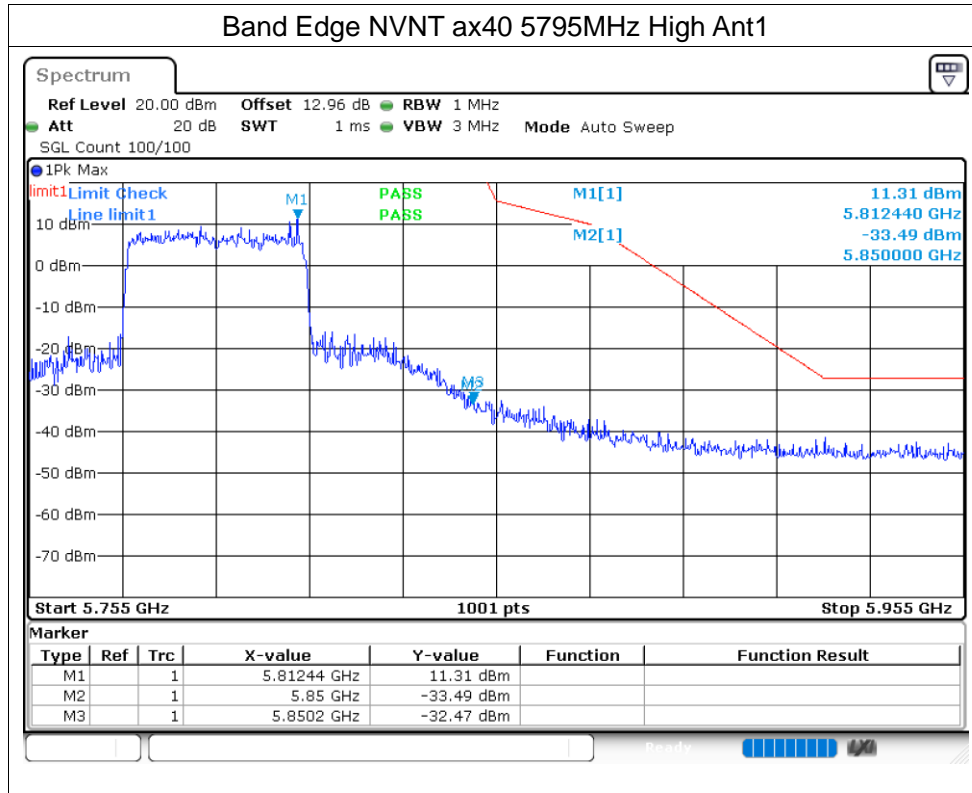


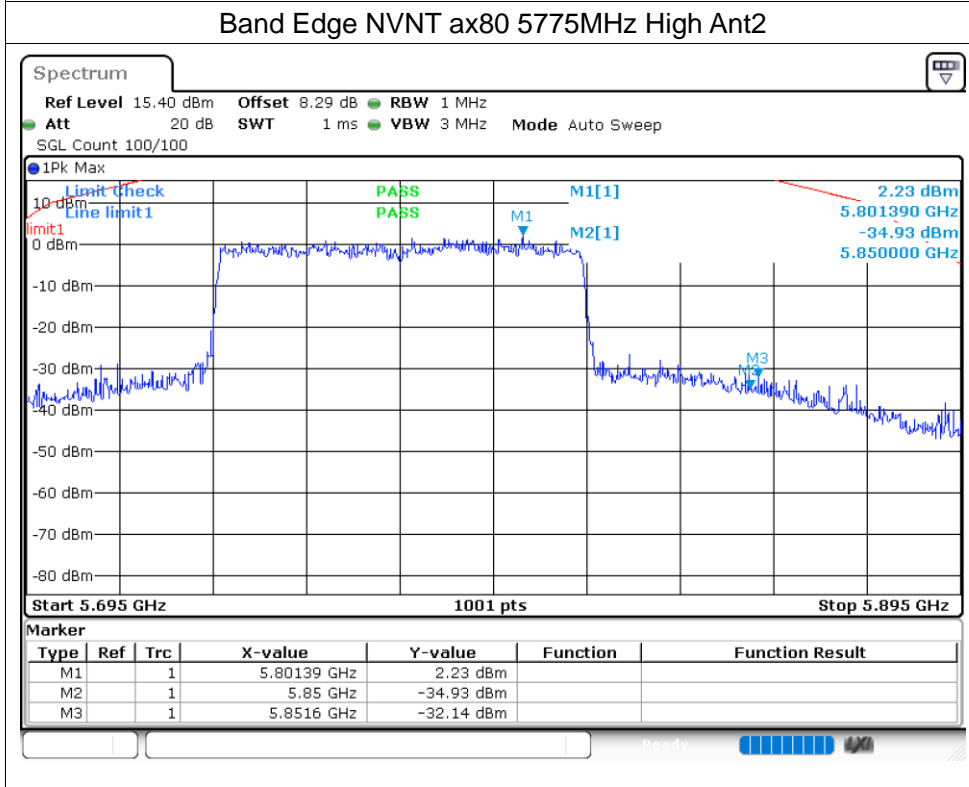
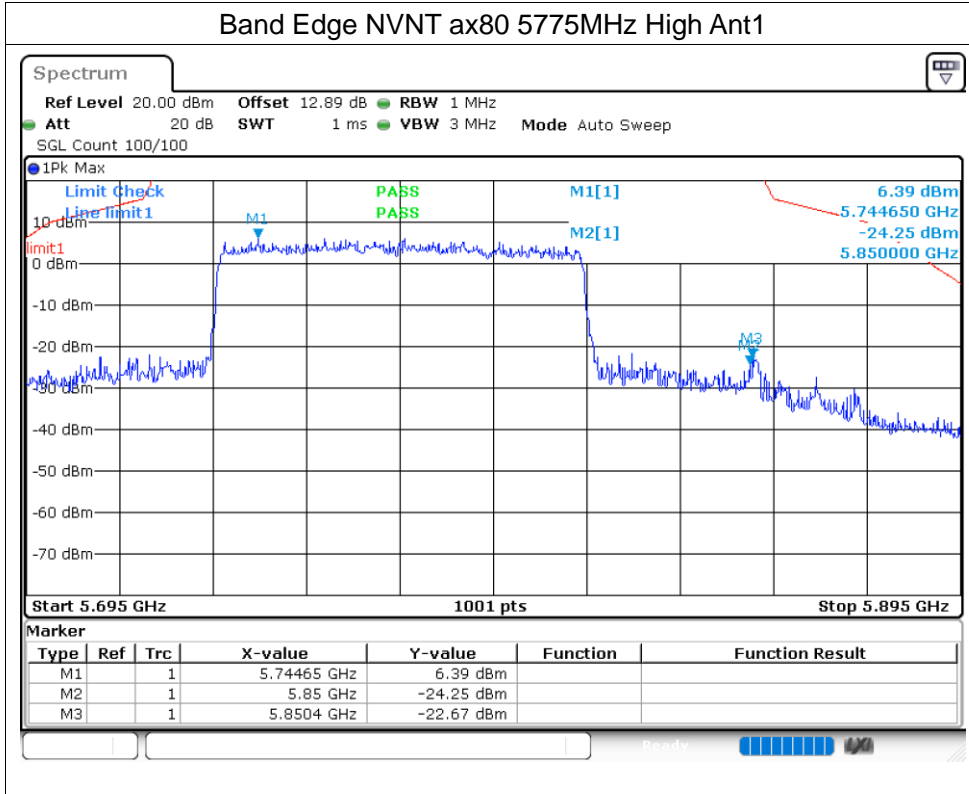


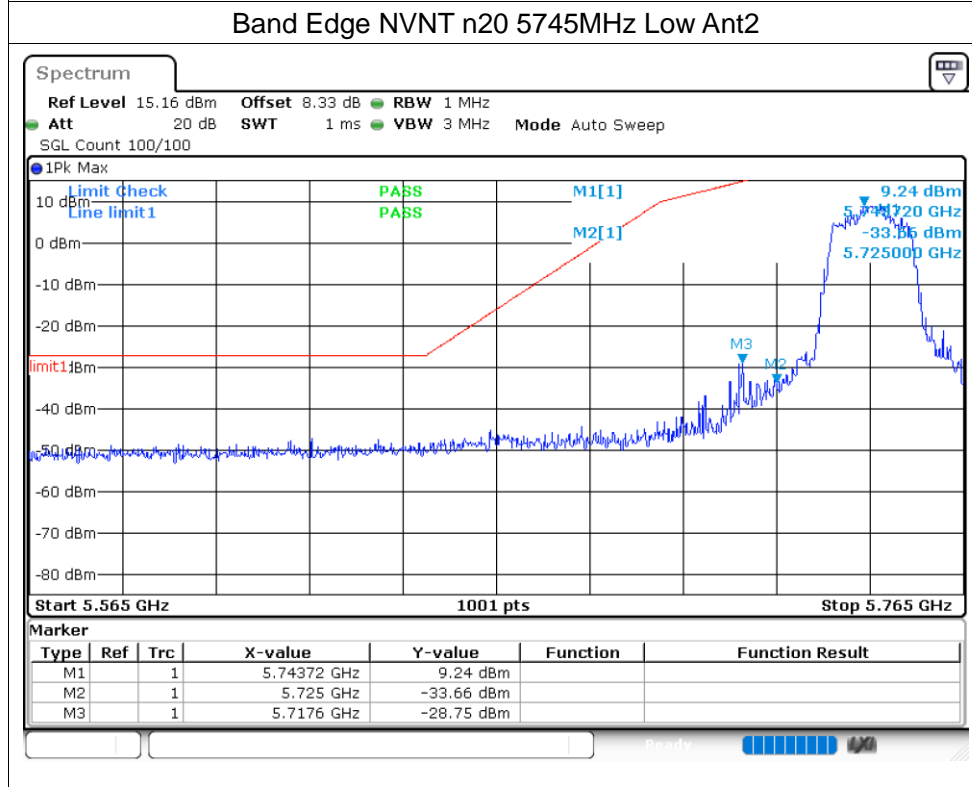
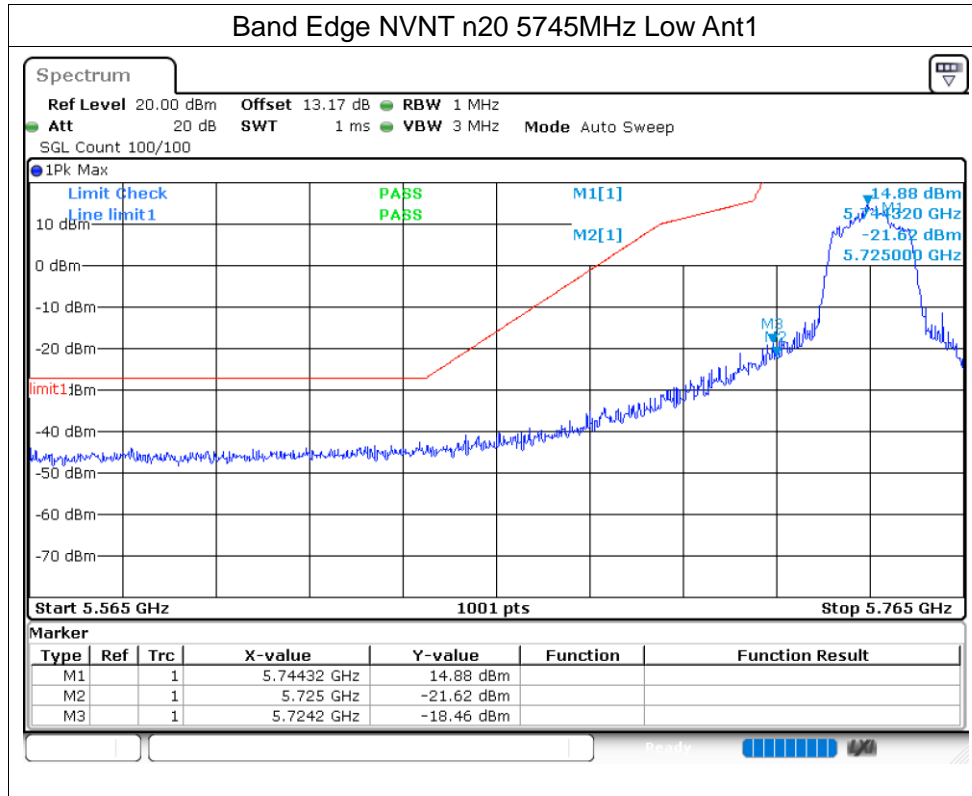


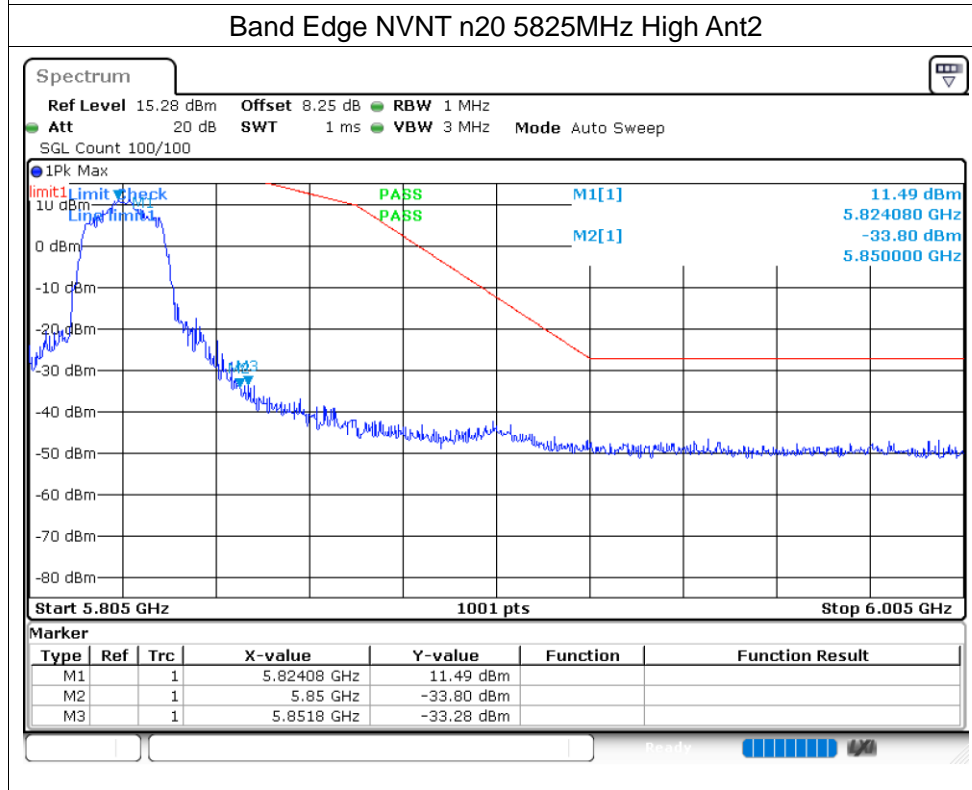
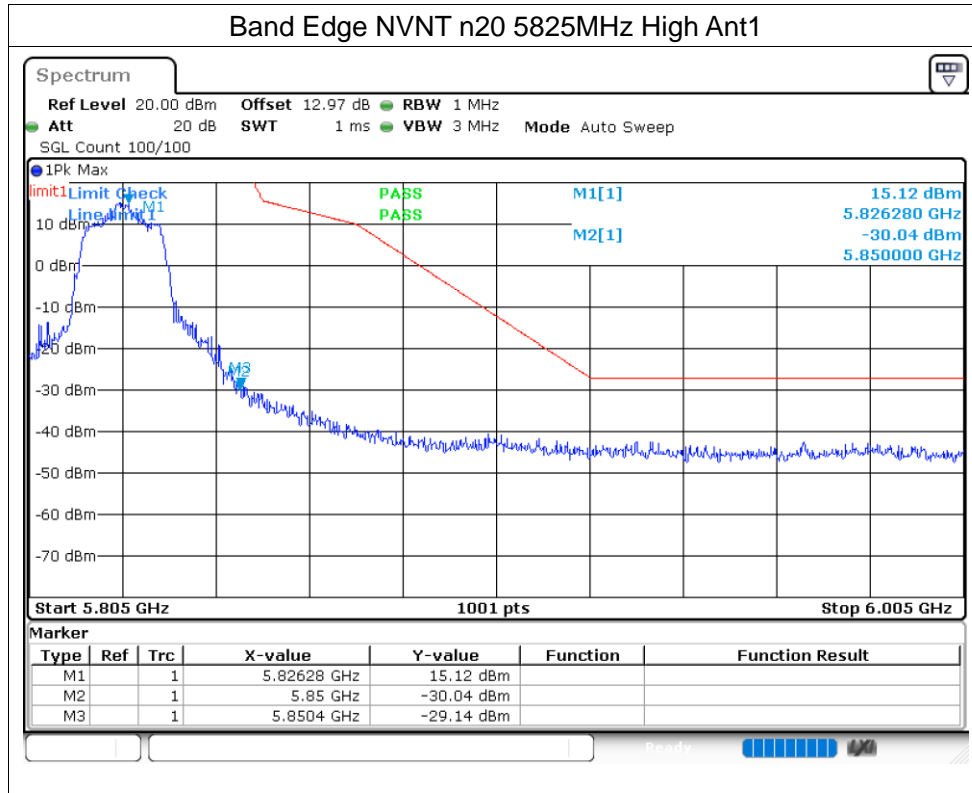


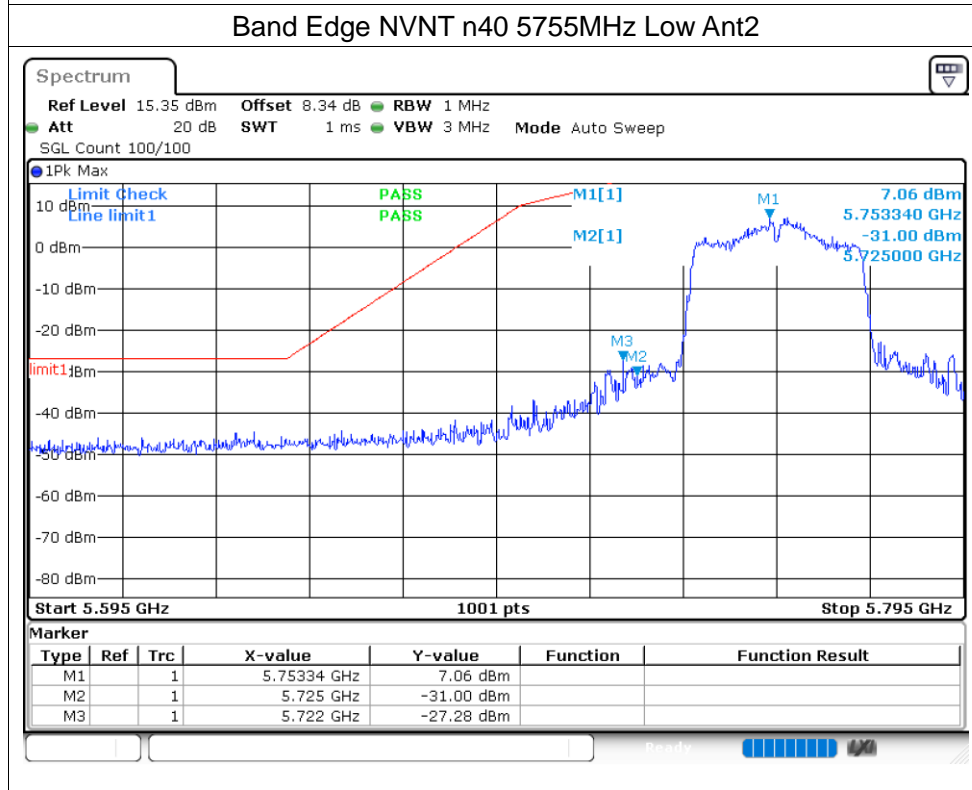
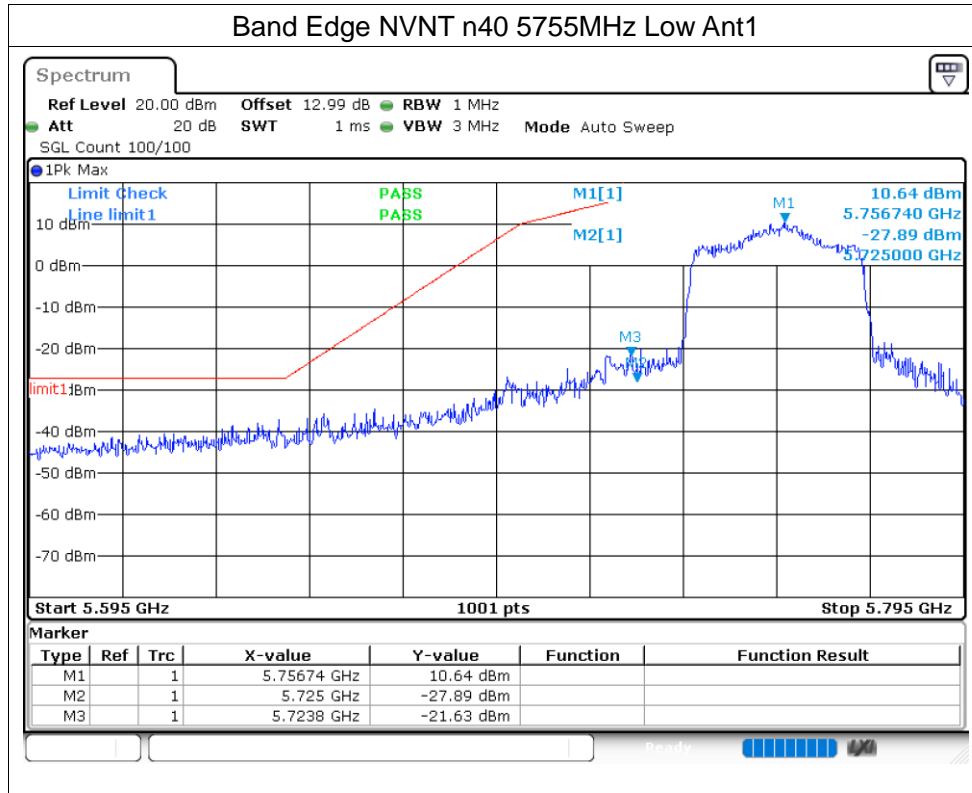


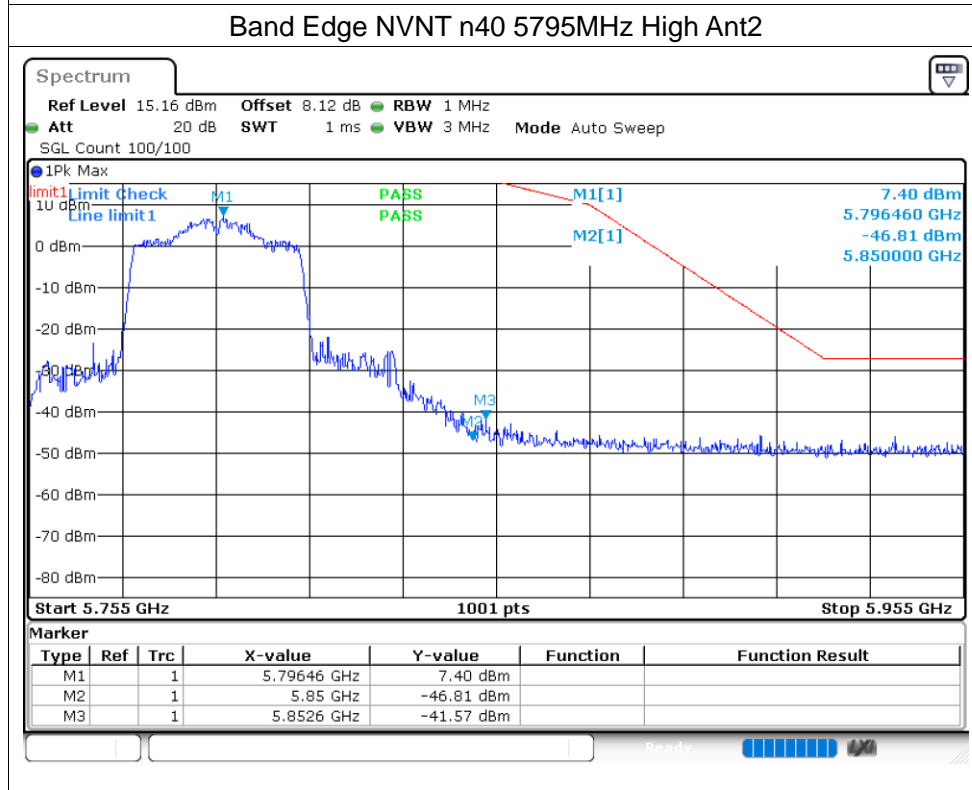
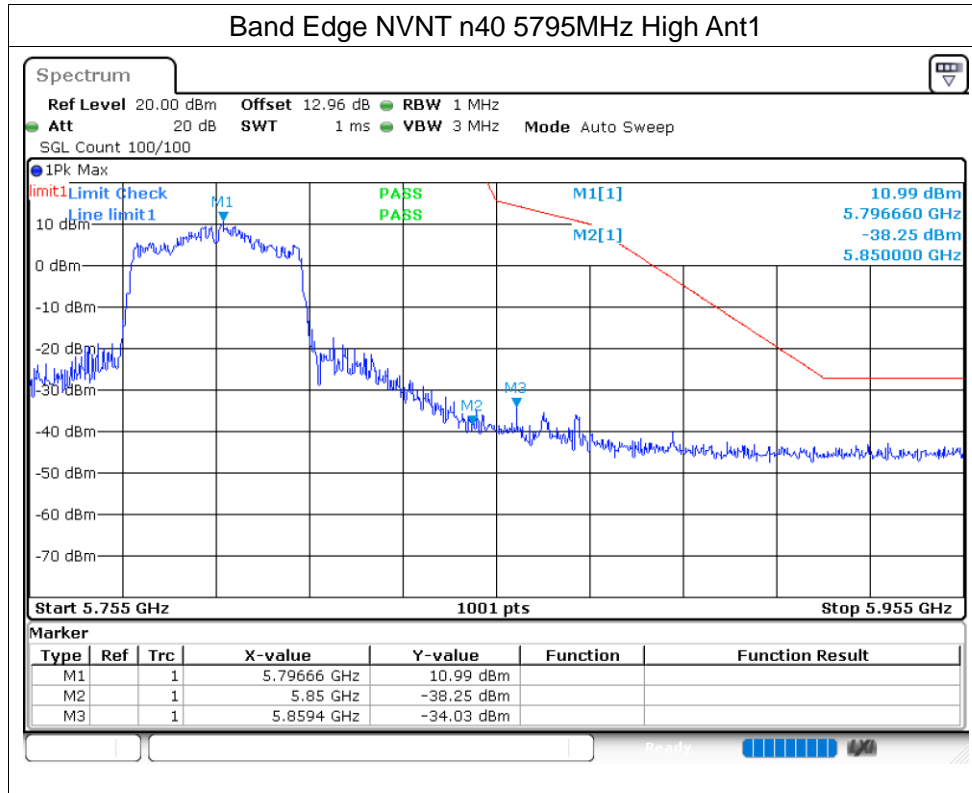










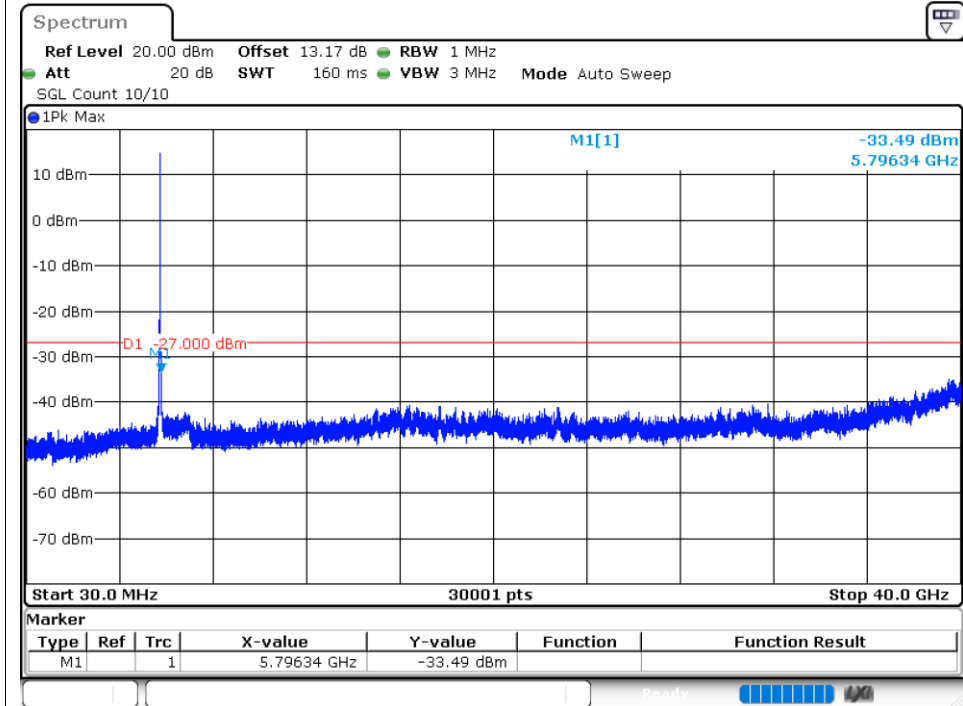


Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ac20	5745	Ant1	-33.49	-27	Pass
NVNT	ac20	5745	Ant2	-39.6	-27	Pass
NVNT	ac20	5785	Ant1	-34.88	-27	Pass
NVNT	ac20	5785	Ant2	-39.36	-27	Pass
NVNT	ac20	5825	Ant1	-32.72	-27	Pass
NVNT	ac20	5825	Ant2	-39.7	-27	Pass
NVNT	ac40	5755	Ant1	-32.44	-27	Pass
NVNT	ac40	5755	Ant2	-39.3	-27	Pass
NVNT	ac40	5795	Ant1	-34.66	-27	Pass
NVNT	ac40	5795	Ant2	-40.04	-27	Pass
NVNT	ac80	5775	Ant1	-32.61	-27	Pass
NVNT	ac80	5775	Ant2	-39.08	-27	Pass
NVNT	ax20	5745	Ant1	-33.28	-27	Pass
NVNT	ax20	5745	Ant2	-29.2	-27	Pass
NVNT	ax20	5785	Ant1	-34.69	-27	Pass
NVNT	ax20	5785	Ant2	-36.23	-27	Pass
NVNT	ax20	5825	Ant1	-34.44	-27	Pass
NVNT	ax20	5825	Ant2	-39.39	-27	Pass
NVNT	ax40	5755	Ant1	-35.24	-27	Pass
NVNT	ax40	5755	Ant2	-38.88	-27	Pass
NVNT	ax40	5795	Ant1	-35.22	-27	Pass
NVNT	ax40	5795	Ant2	-40.33	-27	Pass
NVNT	ax80	5775	Ant1	-34.63	-27	Pass
NVNT	ax80	5775	Ant2	-39.15	-27	Pass
NVNT	n20	5745	Ant1	-34.49	-27	Pass
NVNT	n20	5745	Ant2	-38.71	-27	Pass
NVNT	n20	5785	Ant1	-35.25	-27	Pass
NVNT	n20	5785	Ant2	-39.48	-27	Pass
NVNT	n20	5825	Ant1	-34.83	-27	Pass
NVNT	n20	5825	Ant2	-39.76	-27	Pass
NVNT	n40	5755	Ant1	-34.93	-27	Pass
NVNT	n40	5755	Ant2	-39.23	-27	Pass
NVNT	n40	5795	Ant1	-35.12	-27	Pass
NVNT	n40	5795	Ant2	-40.07	-27	Pass

Test Graphs

Tx. Spurious NVNT ac20 5745MHz Ant1 Emission



Tx. Spurious NVNT ac20 5745MHz Ant2 Emission

