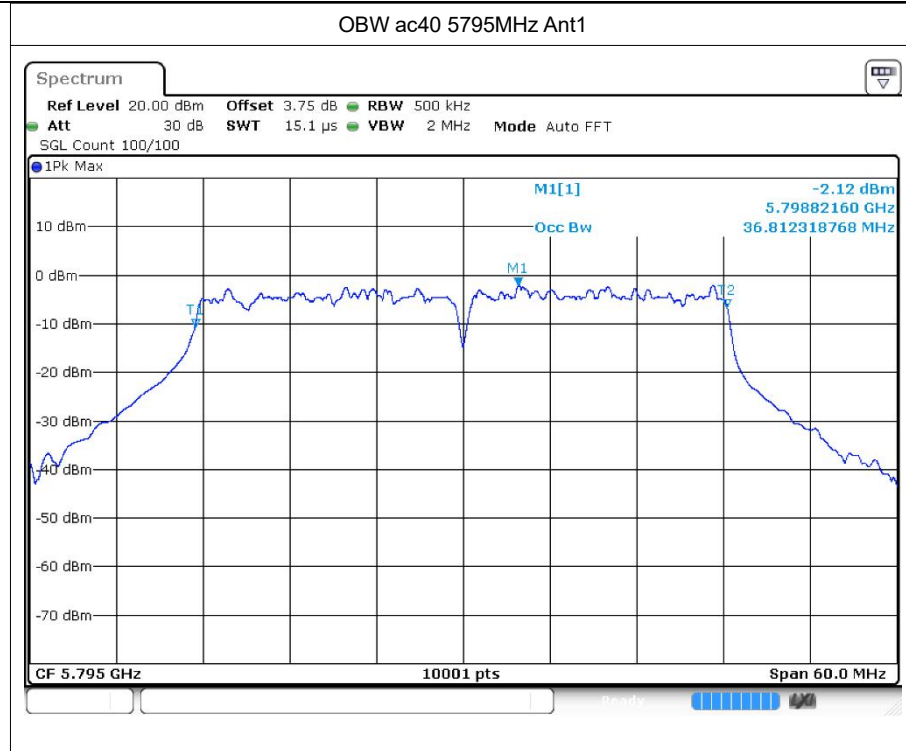
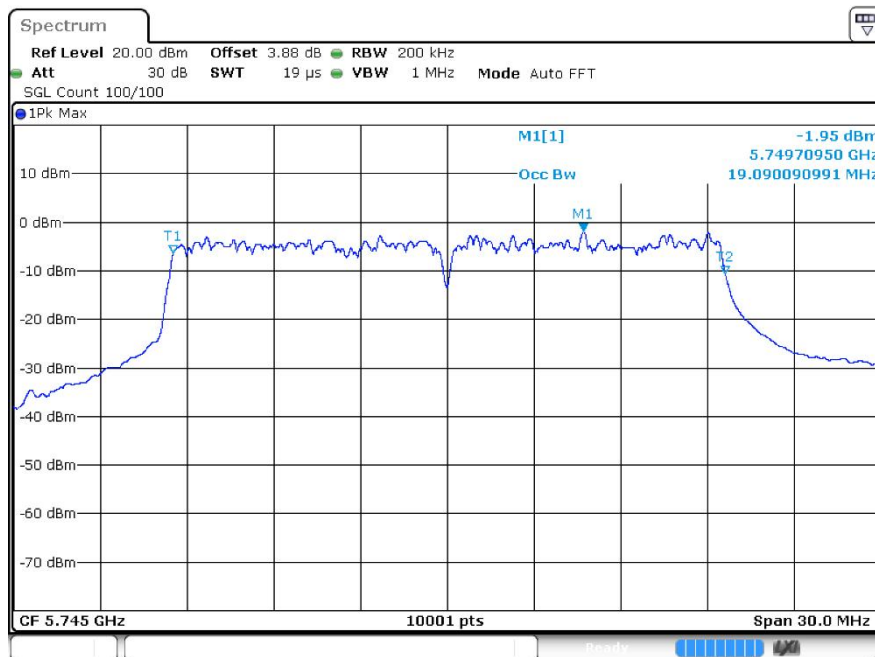
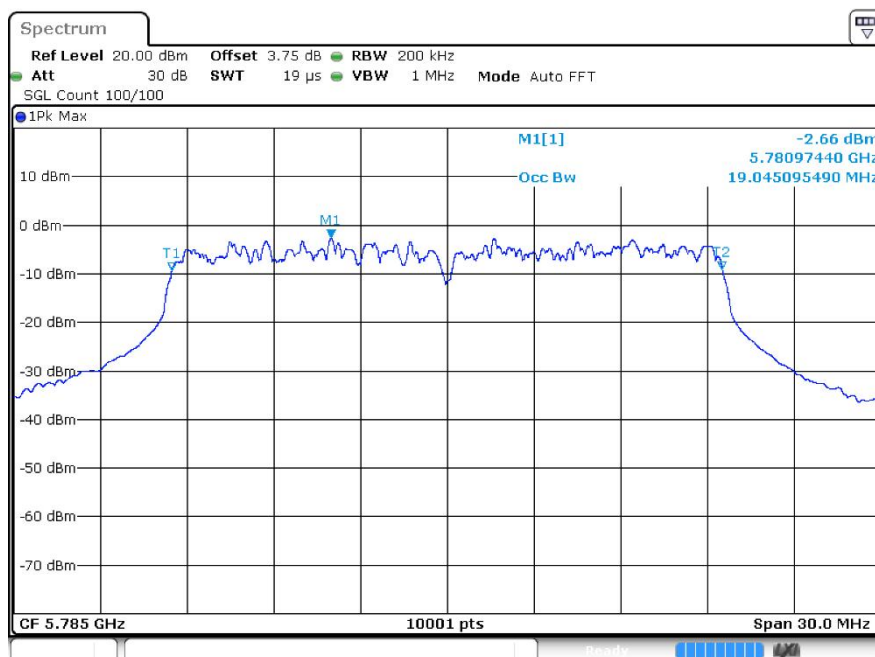




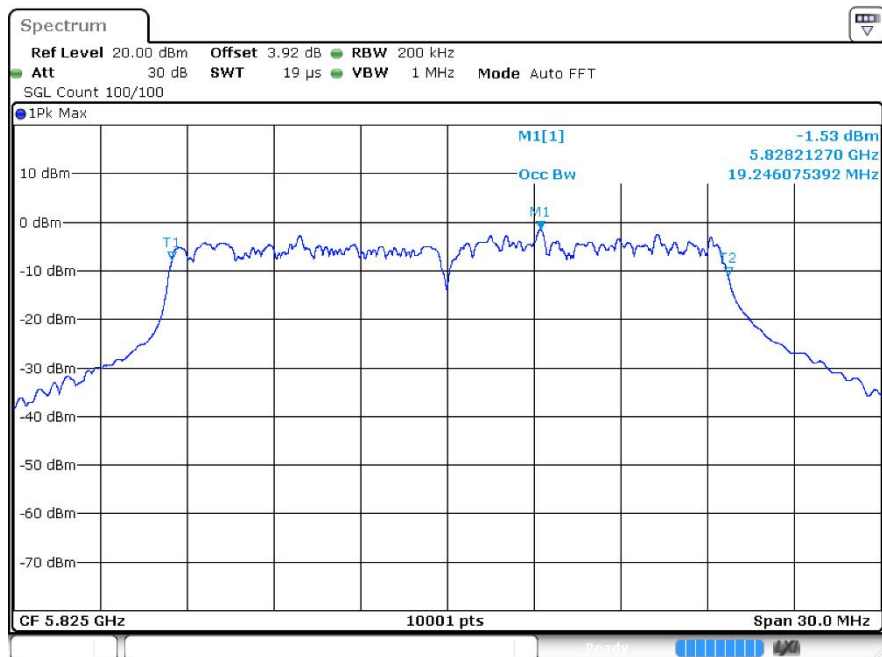
OBW ax20 5745MHz Ant1



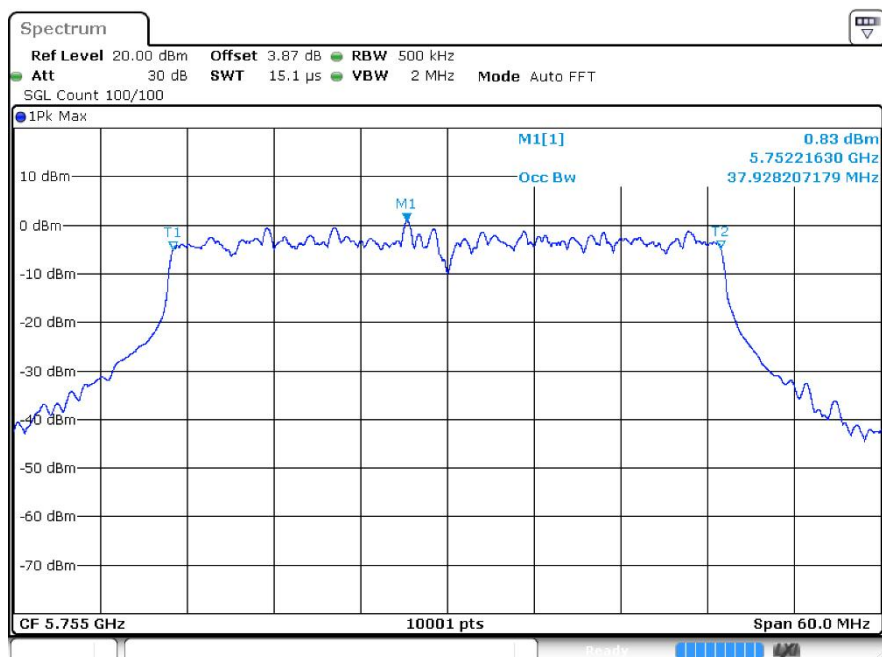
OBW ax20 5785MHz Ant1

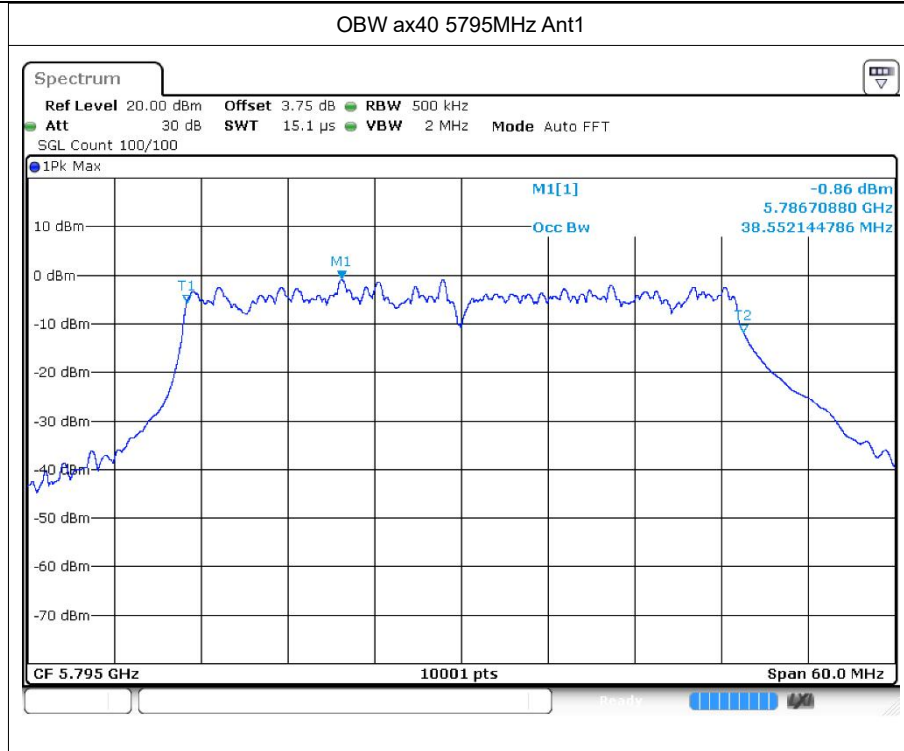


OBW ax20 5825MHz Ant1



OBW ax40 5755MHz Ant1



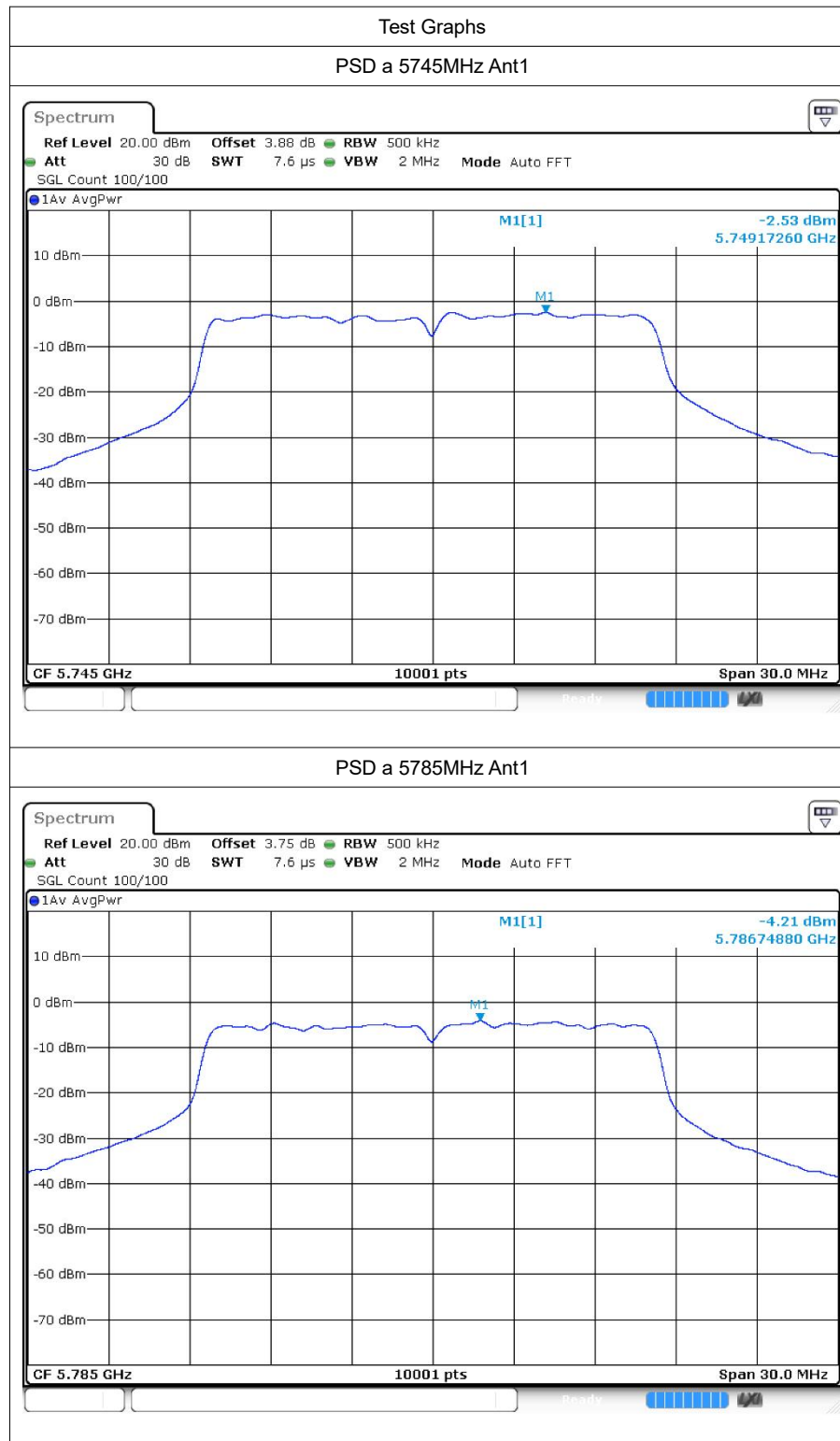


5 Maximum Power Spectral Density Level

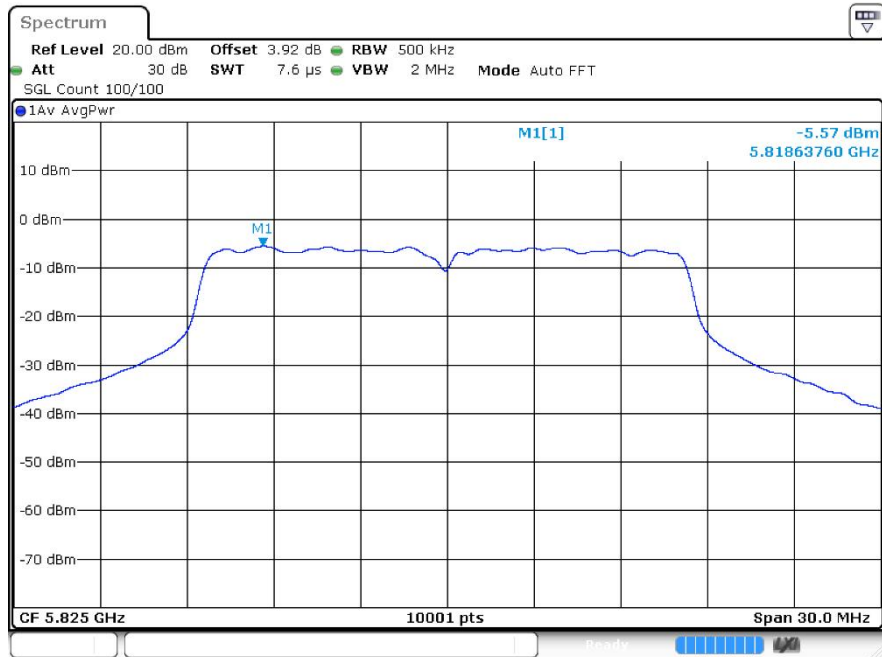
5.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
a	5745	Ant1	-2.53	0.3	-2.23	30	Pass
a	5785	Ant1	-4.21	0.34	-3.87	30	Pass
a	5825	Ant1	-5.57	0.37	-5.2	30	Pass
n20	5745	Ant1	-4.71	0.34	-4.37	30	Pass
n20	5785	Ant1	-5.41	0.38	-5.03	30	Pass
n20	5825	Ant1	-5.6	0.38	-5.22	30	Pass
n40	5755	Ant1	-8.53	0.67	-7.86	30	Pass
n40	5795	Ant1	-9.6	0.47	-9.13	30	Pass
ac20	5745	Ant1	-4.88	0.51	-4.37	30	Pass
ac20	5785	Ant1	-5.64	0.38	-5.26	30	Pass
ac20	5825	Ant1	-5.86	0.35	-5.51	30	Pass
ac40	5755	Ant1	-7.83	0.48	-7.35	30	Pass
ac40	5795	Ant1	-9.5	0.47	-9.03	30	Pass
ax20	5745	Ant1	-6.02	0.49	-5.53	30	Pass
ax20	5785	Ant1	-7.44	0.44	-7	30	Pass
ax20	5825	Ant1	-6.65	0.47	-6.18	30	Pass
ax40	5755	Ant1	-9.15	0.56	-8.59	30	Pass
ax40	5795	Ant1	-11.29	0	-11.29	30	Pass

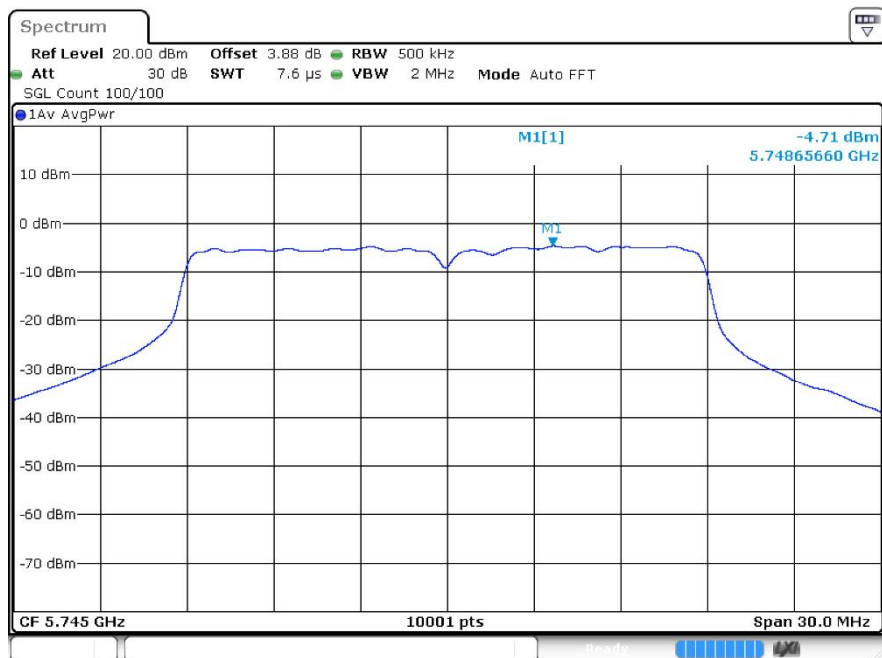
5.2 Test Graphs



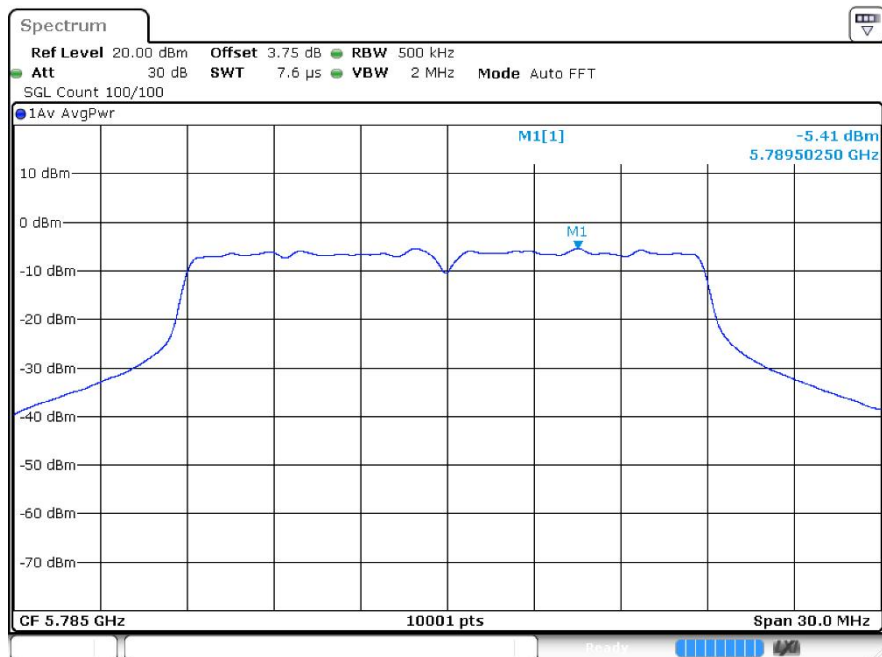
PSD a 5825MHz Ant1



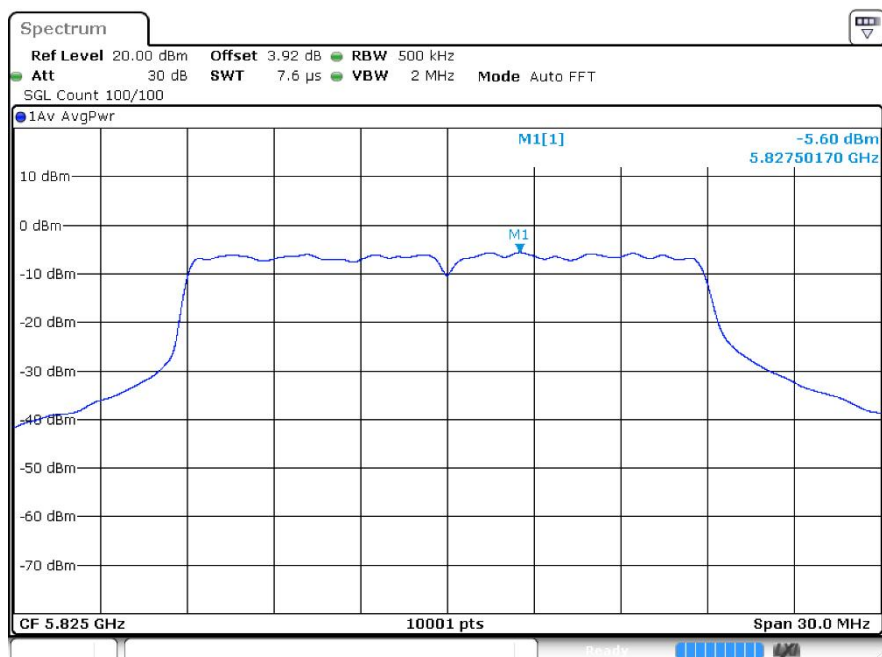
PSD n20 5745MHz Ant1



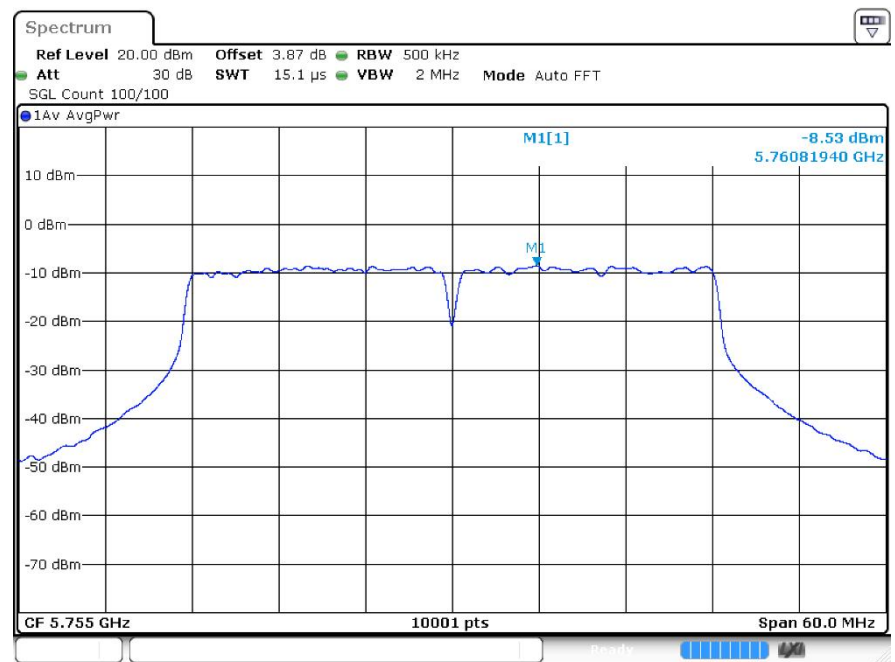
PSD n20 5785MHz Ant1



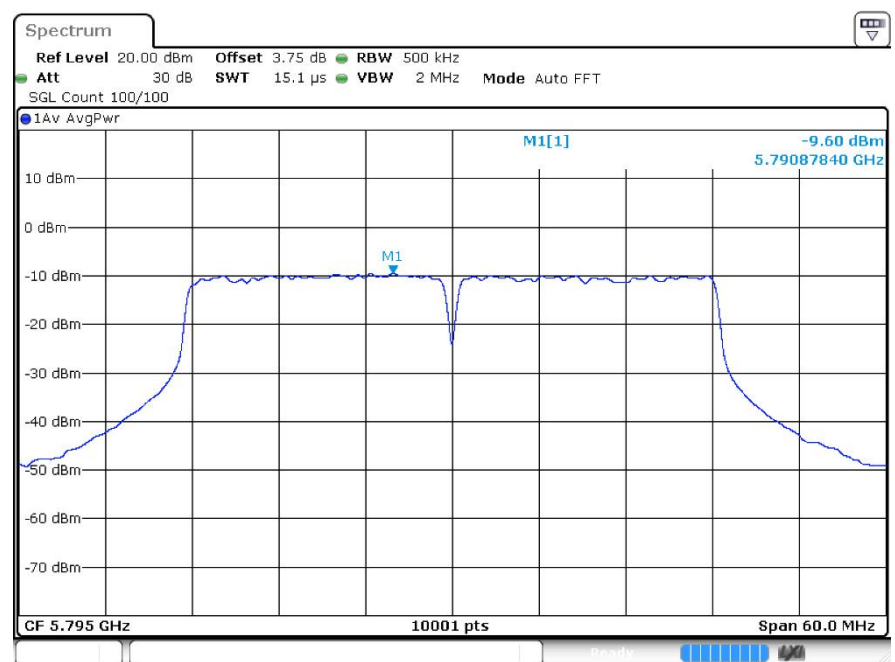
PSD n20 5825MHz Ant1



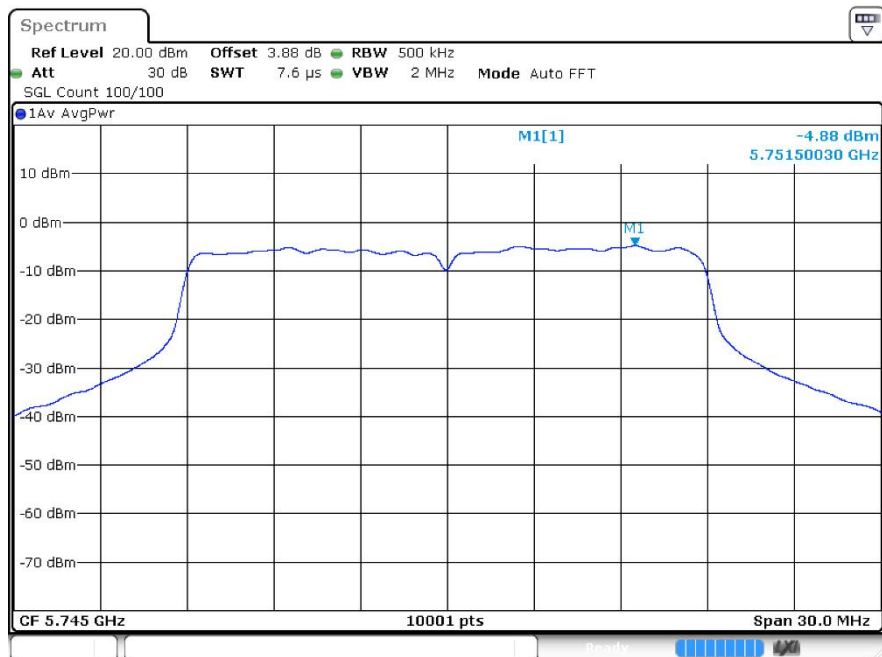
PSD n40 5755MHz Ant1



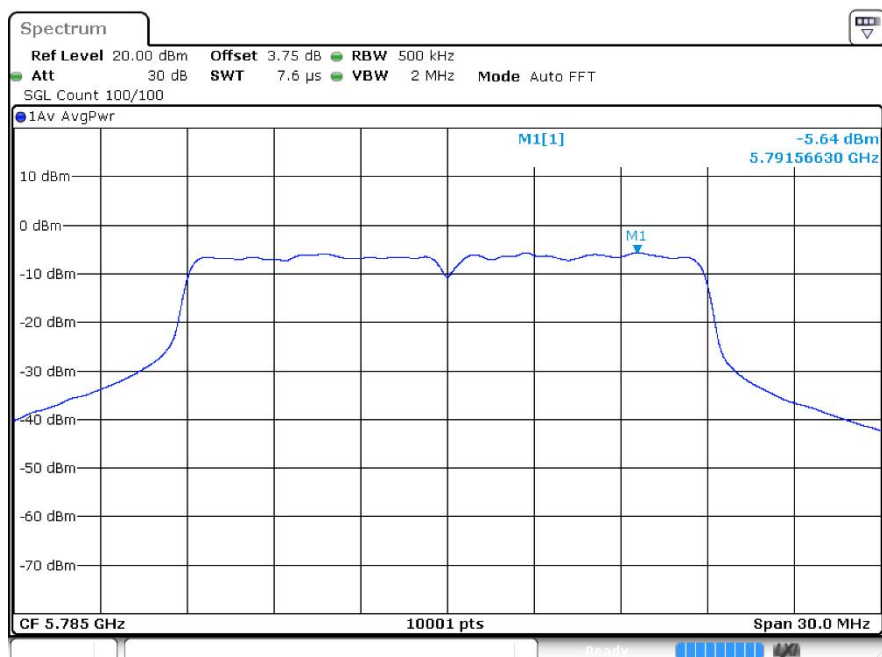
PSD n40 5795MHz Ant1



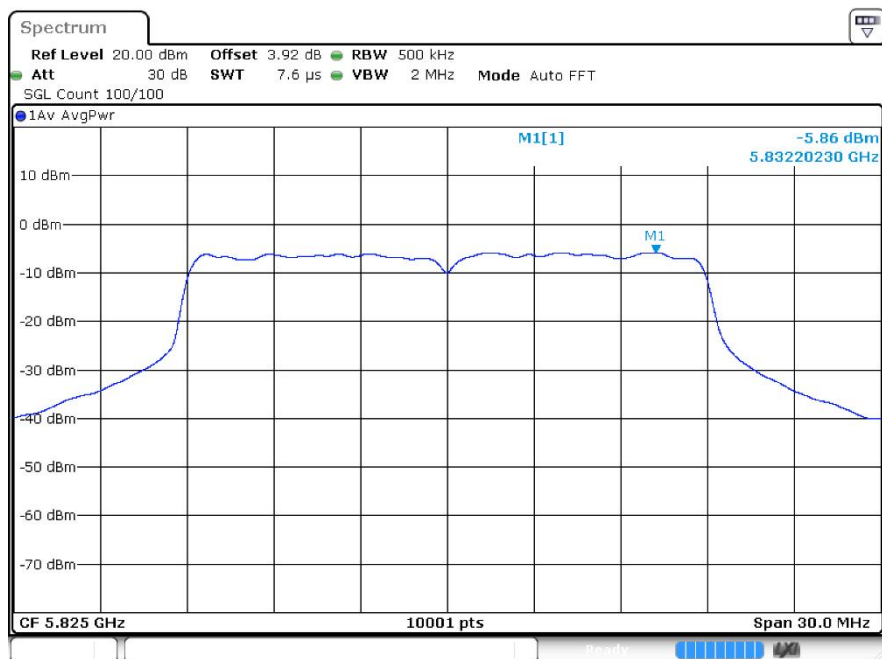
PSD ac20 5745MHz Ant1



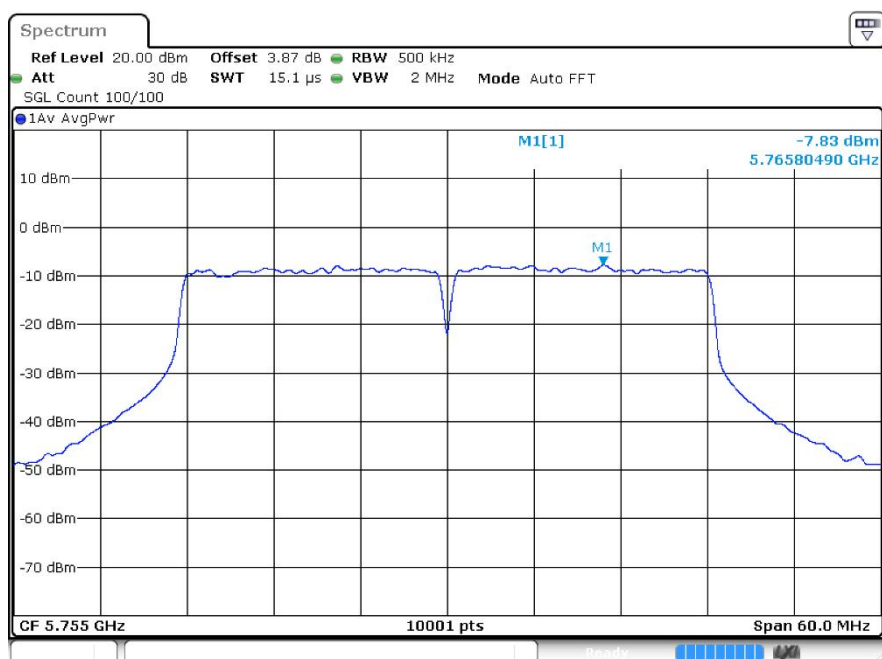
PSD ac20 5785MHz Ant1

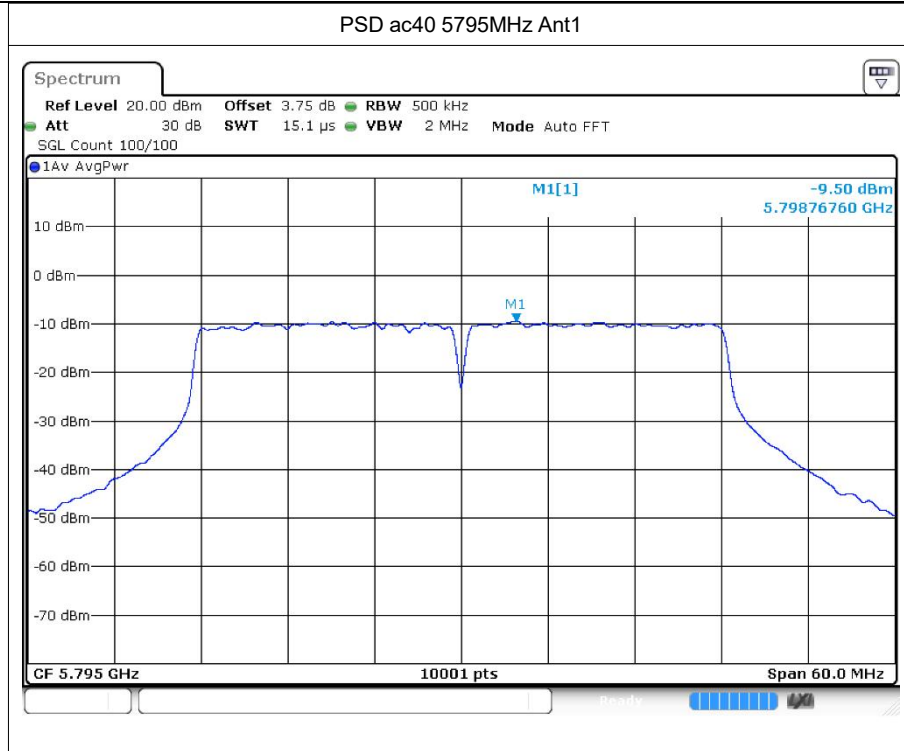


PSD ac20 5825MHz Ant1

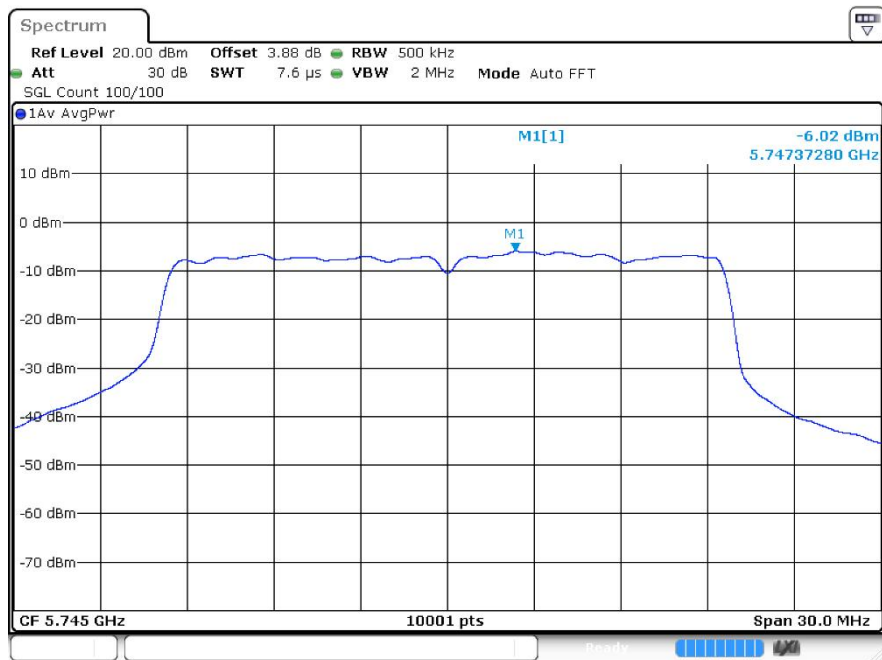


PSD ac40 5755MHz Ant1

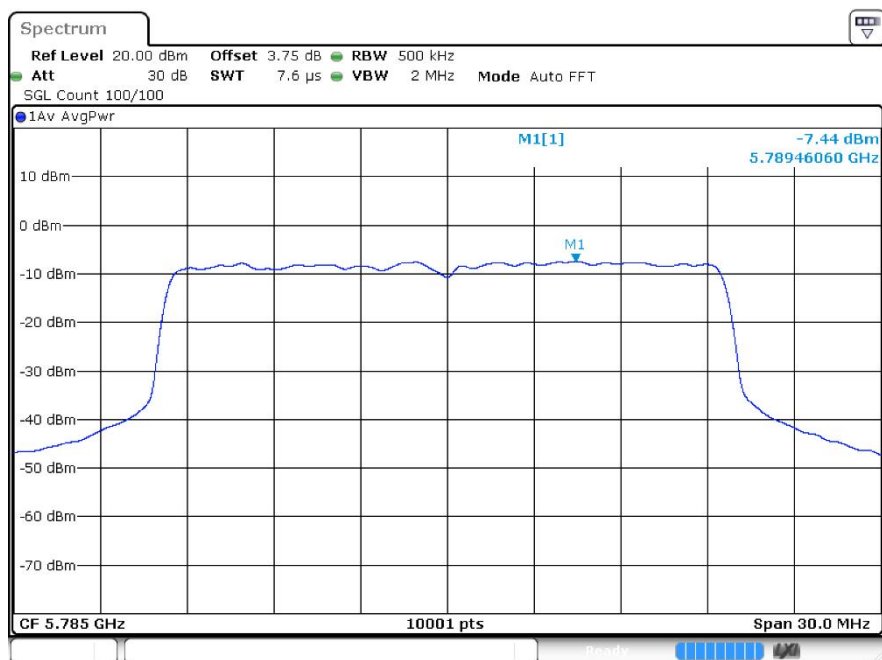




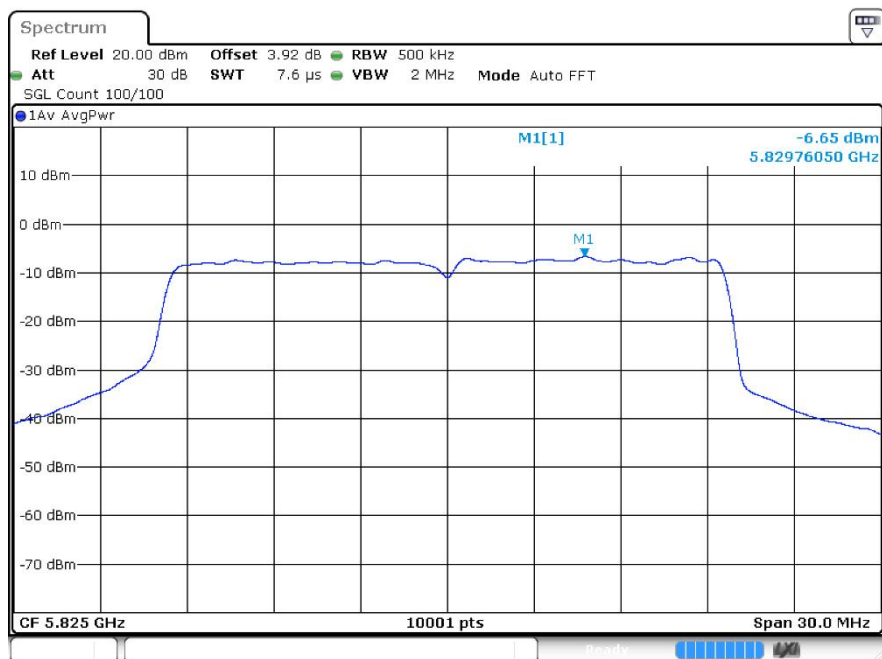
PSD ax20 5745MHz Ant1



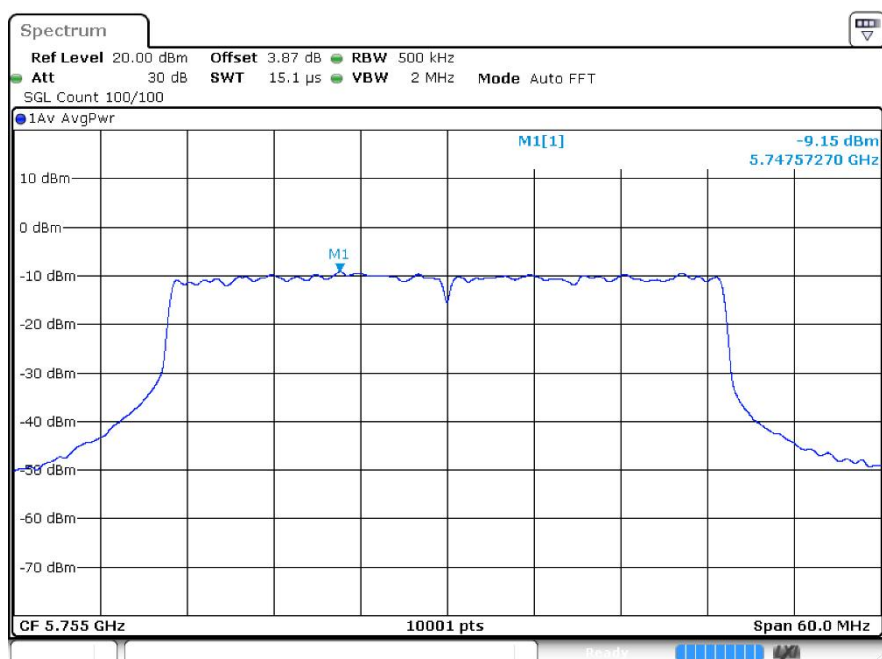
PSD ax20 5785MHz Ant1

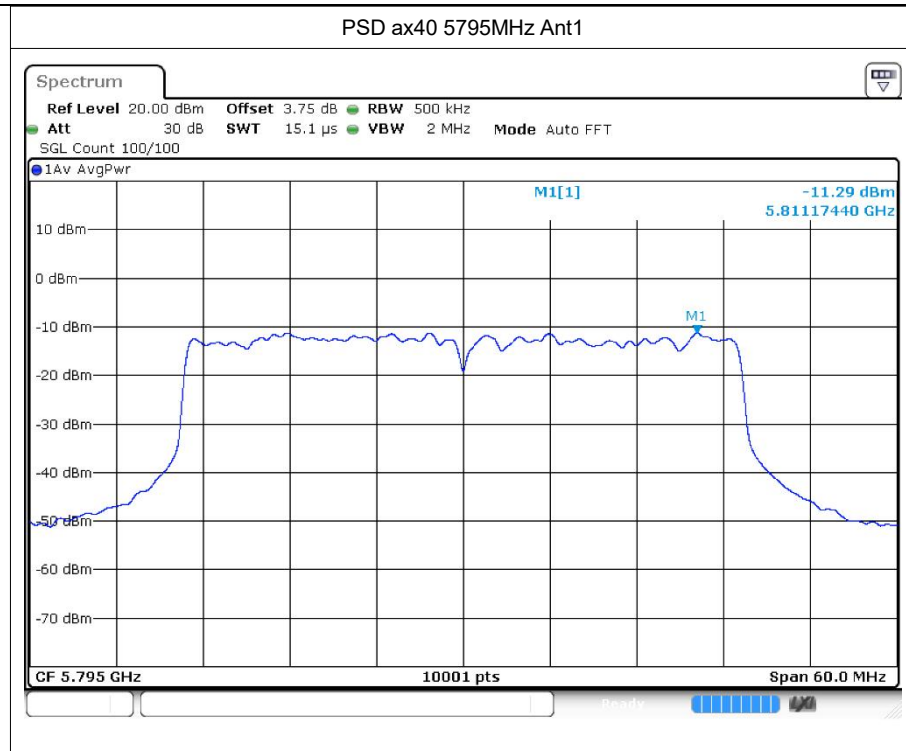


PSD ax20 5825MHz Ant1



PSD ax40 5755MHz Ant1







6 Frequency Stability

6.1 Test Result

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 4.5V	a	5745	Ant1	5744.96	-40000	-6.96	25	Pass
20C 5.0V	a	5745	Ant1	5744.96	-40000	-6.96	25	Pass
20C 5.5V	a	5745	Ant1	5744.94	-60000	-10.44	25	Pass
-20C 5.0V	a	5745	Ant1	5744.96	-40000	-6.96	25	Pass
-10C 5.0V	a	5745	Ant1	5744.96	-40000	-6.96	25	Pass
0C 5.0V	a	5745	Ant1	5744.96	-40000	-6.96	25	Pass
10C 5.0V	a	5745	Ant1	5744.96	-40000	-6.96	25	Pass
30C 5.0V	a	5745	Ant1	5744.94	-60000	-10.44	25	Pass
40C 5.0V	a	5745	Ant1	5744.92	-80000	-13.93	25	Pass
50C 5.0V	a	5745	Ant1	5744.92	-80000	-13.93	25	Pass
20C 4.5V	a	5785	Ant1	5784.94	-60000	-10.37	25	Pass
20C 5.0V	a	5785	Ant1	5784.96	-40000	-6.91	25	Pass
20C 5.5V	a	5785	Ant1	5784.96	-40000	-6.91	25	Pass
-20C 5.0V	a	5785	Ant1	5784.94	-60000	-10.37	25	Pass
-10C 5.0V	a	5785	Ant1	5784.94	-60000	-10.37	25	Pass
0C 5.0V	a	5785	Ant1	5784.94	-60000	-10.37	25	Pass
10C 5.0V	a	5785	Ant1	5784.94	-60000	-10.37	25	Pass
30C 5.0V	a	5785	Ant1	5784.92	-80000	-13.83	25	Pass
40C 5.0V	a	5785	Ant1	5784.92	-80000	-13.83	25	Pass
50C 5.0V	a	5785	Ant1	5784.94	-60000	-10.37	25	Pass
20C 4.5V	a	5825	Ant1	5824.92	-80000	-13.73	25	Pass
20C 5.0V	a	5825	Ant1	5824.92	-80000	-13.73	25	Pass
20C 5.5V	a	5825	Ant1	5824.94	-60000	-10.3	25	Pass
-20C 5.0V	a	5825	Ant1	5824.94	-60000	-10.3	25	Pass
-10C 5.0V	a	5825	Ant1	5824.92	-80000	-13.73	25	Pass
0C 5.0V	a	5825	Ant1	5824.9	-100000	-17.17	25	Pass
10C 5.0V	a	5825	Ant1	5824.9	-100000	-17.17	25	Pass
30C 5.0V	a	5825	Ant1	5824.9	-100000	-17.17	25	Pass
40C 5.0V	a	5825	Ant1	5824.92	-80000	-13.73	25	Pass
50C 5.0V	a	5825	Ant1	5824.9	-100000	-17.17	25	Pass
20C 4.5V	n20	5745	Ant1	5744.94	-60000	-10.44	25	Pass
20C 5.0V	n20	5745	Ant1	5744.94	-60000	-10.44	25	Pass
20C 5.5V	n20	5745	Ant1	5744.92	-80000	-13.93	25	Pass
-20C 5.0V	n20	5745	Ant1	5744.94	-60000	-10.44	25	Pass



-10C 5.0V	n20	5745	Ant1	5744.94	-60000	-10.44	25	Pass
0C 5.0V	n20	5745	Ant1	5744.92	-80000	-13.93	25	Pass
10C 5.0V	n20	5745	Ant1	5744.92	-80000	-13.93	25	Pass
30C 5.0V	n20	5745	Ant1	5744.92	-80000	-13.93	25	Pass
40C 5.0V	n20	5745	Ant1	5744.9	-100000	-17.41	25	Pass
50C 5.0V	n20	5745	Ant1	5744.92	-80000	-13.93	25	Pass
20C 4.5V	n20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
20C 5.0V	n20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
20C 5.5V	n20	5785	Ant1	5784.96	-40000	-6.91	25	Pass
-20C 5.0V	n20	5785	Ant1	5784.96	-40000	-6.91	25	Pass
-10C 5.0V	n20	5785	Ant1	5784.96	-40000	-6.91	25	Pass
0C 5.0V	n20	5785	Ant1	5784.96	-40000	-6.91	25	Pass
10C 5.0V	n20	5785	Ant1	5784.96	-40000	-6.91	25	Pass
30C 5.0V	n20	5785	Ant1	5784.96	-40000	-6.91	25	Pass
40C 5.0V	n20	5785	Ant1	5784.94	-60000	-10.37	25	Pass
50C 5.0V	n20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
20C 4.5V	n20	5825	Ant1	5824.96	-40000	-6.87	25	Pass
20C 5.0V	n20	5825	Ant1	5824.96	-40000	-6.87	25	Pass
20C 5.5V	n20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
-20C 5.0V	n20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
-10C 5.0V	n20	5825	Ant1	5824.96	-40000	-6.87	25	Pass
0C 5.0V	n20	5825	Ant1	5824.94	-60000	-10.3	25	Pass
10C 5.0V	n20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
30C 5.0V	n20	5825	Ant1	5824.94	-60000	-10.3	25	Pass
40C 5.0V	n20	5825	Ant1	5824.96	-40000	-6.87	25	Pass
50C 5.0V	n20	5825	Ant1	5824.96	-40000	-6.87	25	Pass
20C 4.5V	n40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
20C 5.0V	n40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
20C 5.5V	n40	5755	Ant1	5755	0	0	25	Pass
-20C 5.0V	n40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
-10C 5.0V	n40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
0C 5.0V	n40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
10C 5.0V	n40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
30C 5.0V	n40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
40C 5.0V	n40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
50C 5.0V	n40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
20C 4.5V	n40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
20C 5.0V	n40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
20C 5.5V	n40	5795	Ant1	5795	0	0	25	Pass
-20C 5.0V	n40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
-10C 5.0V	n40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
0C 5.0V	n40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
10C 5.0V	n40	5795	Ant1	5795	0	0	25	Pass



30C 5.0V	n40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
40C 5.0V	n40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
50C 5.0V	n40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
20C 4.5V	ac20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
20C 5.0V	ac20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
20C 5.5V	ac20	5745	Ant1	5745	0	0	25	Pass
-20C 5.0V	ac20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
-10C 5.0V	ac20	5745	Ant1	5744.96	-40000	-6.96	25	Pass
0C 5.0V	ac20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
10C 5.0V	ac20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
30C 5.0V	ac20	5745	Ant1	5744.96	-40000	-6.96	25	Pass
40C 5.0V	ac20	5745	Ant1	5744.96	-40000	-6.96	25	Pass
50C 5.0V	ac20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
20C 4.5V	ac20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
20C 5.0V	ac20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
20C 5.5V	ac20	5785	Ant1	5784.96	-40000	-6.91	25	Pass
-20C 5.0V	ac20	5785	Ant1	5784.96	-40000	-6.91	25	Pass
-10C 5.0V	ac20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
0C 5.0V	ac20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
10C 5.0V	ac20	5785	Ant1	5784.96	-40000	-6.91	25	Pass
30C 5.0V	ac20	5785	Ant1	5784.94	-60000	-10.37	25	Pass
40C 5.0V	ac20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
50C 5.0V	ac20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
20C 4.5V	ac20	5825	Ant1	5824.96	-40000	-6.87	25	Pass
20C 5.0V	ac20	5825	Ant1	5824.96	-40000	-6.87	25	Pass
20C 5.5V	ac20	5825	Ant1	5824.96	-40000	-6.87	25	Pass
-20C 5.0V	ac20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
-10C 5.0V	ac20	5825	Ant1	5824.96	-40000	-6.87	25	Pass
0C 5.0V	ac20	5825	Ant1	5825	0	0	25	Pass
10C 5.0V	ac20	5825	Ant1	5824.96	-40000	-6.87	25	Pass
30C 5.0V	ac20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
40C 5.0V	ac20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
50C 5.0V	ac20	5825	Ant1	5824.96	-40000	-6.87	25	Pass
20C 4.5V	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
20C 5.0V	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
20C 5.5V	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
-20C 5.0V	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
-10C 5.0V	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
0C 5.0V	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
10C 5.0V	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
30C 5.0V	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
40C 5.0V	ac40	5755	Ant1	5755	0	0	25	Pass
50C 5.0V	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass



20C 4.5V	ac40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
20C 5.0V	ac40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
20C 5.5V	ac40	5795	Ant1	5795	0	0	25	Pass
-20C 5.0V	ac40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
-10C 5.0V	ac40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
0C 5.0V	ac40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
10C 5.0V	ac40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
30C 5.0V	ac40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
40C 5.0V	ac40	5795	Ant1	5795	0	0	25	Pass
50C 5.0V	ac40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
20C 4.5V	ax20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
20C 5.0V	ax20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
20C 5.5V	ax20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
-20C 5.0V	ax20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
-10C 5.0V	ax20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
0C 5.0V	ax20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
10C 5.0V	ax20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
30C 5.0V	ax20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
40C 5.0V	ax20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
50C 5.0V	ax20	5745	Ant1	5744.96	-40000	-6.96	25	Pass
20C 4.5V	ax20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
20C 5.0V	ax20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
20C 5.5V	ax20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
-20C 5.0V	ax20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
-10C 5.0V	ax20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
0C 5.0V	ax20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
10C 5.0V	ax20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
30C 5.0V	ax20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
40C 5.0V	ax20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
50C 5.0V	ax20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
20C 4.5V	ax20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
20C 5.0V	ax20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
20C 5.5V	ax20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
-20C 5.0V	ax20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
-10C 5.0V	ax20	5825	Ant1	5824.96	-40000	-6.87	25	Pass
0C 5.0V	ax20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
10C 5.0V	ax20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
30C 5.0V	ax20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
40C 5.0V	ax20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
50C 5.0V	ax20	5825	Ant1	5824.96	-40000	-6.87	25	Pass
20C 4.5V	ax40	5755	Ant1	5755	0	0	25	Pass
20C 5.0V	ax40	5755	Ant1	5755	0	0	25	Pass
20C 5.5V	ax40	5755	Ant1	5755	0	0	25	Pass



-20C 5.0V	ax40	5755	Ant1	5755	0	0	25	Pass
-10C 5.0V	ax40	5755	Ant1	5755	0	0	25	Pass
0C 5.0V	ax40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
10C 5.0V	ax40	5755	Ant1	5755	0	0	25	Pass
30C 5.0V	ax40	5755	Ant1	5755	0	0	25	Pass
40C 5.0V	ax40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
50C 5.0V	ax40	5755	Ant1	5755	0	0	25	Pass
20C 4.5V	ax40	5795	Ant1	5795	0	0	25	Pass
20C 5.0V	ax40	5795	Ant1	5795	0	0	25	Pass
20C 5.5V	ax40	5795	Ant1	5795	0	0	25	Pass
-20C 5.0V	ax40	5795	Ant1	5795	0	0	25	Pass
-10C 5.0V	ax40	5795	Ant1	5795	0	0	25	Pass
0C 5.0V	ax40	5795	Ant1	5795	0	0	25	Pass
10C 5.0V	ax40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
30C 5.0V	ax40	5795	Ant1	5795	0	0	25	Pass
40C 5.0V	ax40	5795	Ant1	5795	0	0	25	Pass
50C 5.0V	ax40	5795	Ant1	5795	0	0	25	Pass

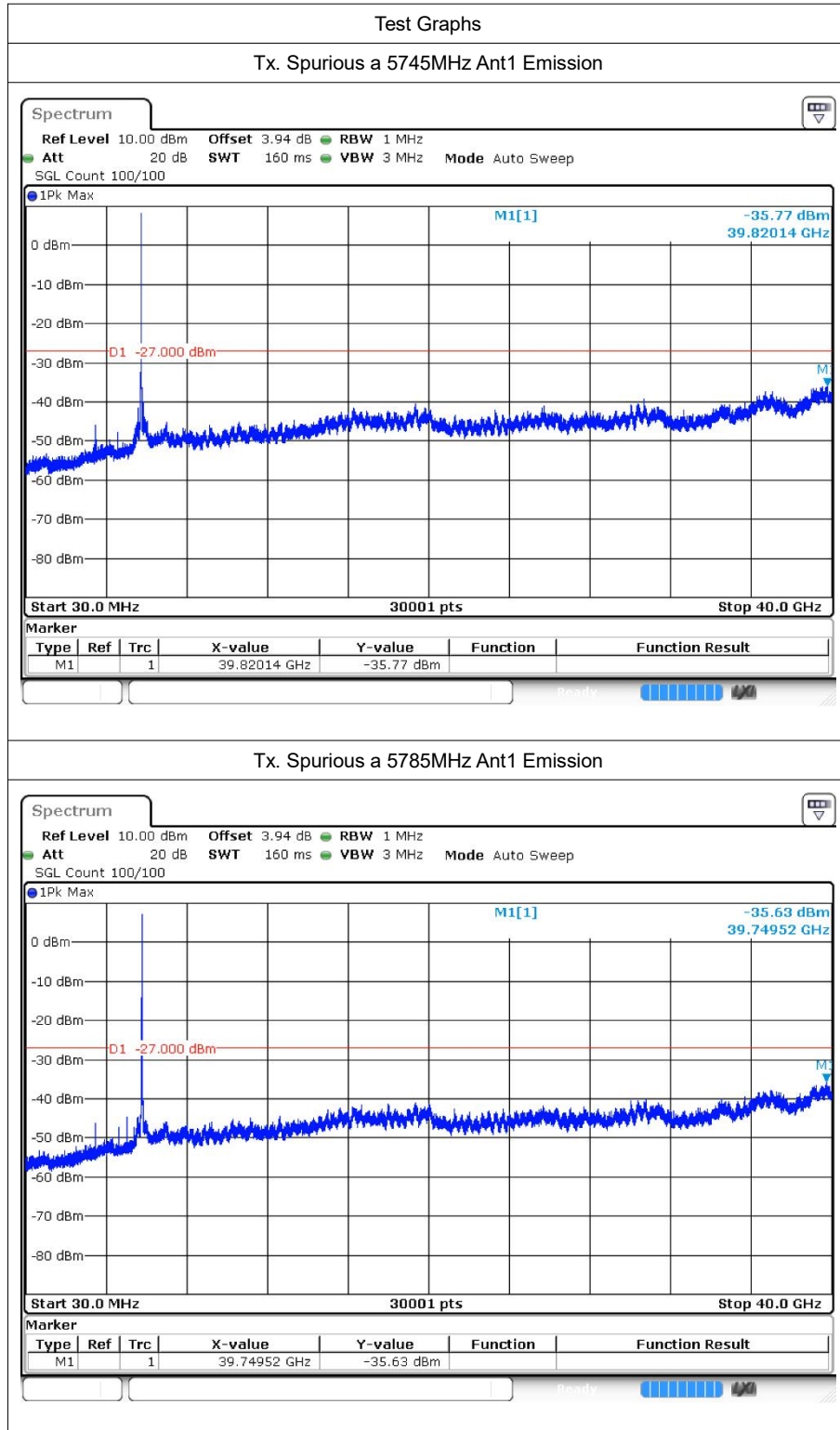


7 Conducted RF Spurious Emission

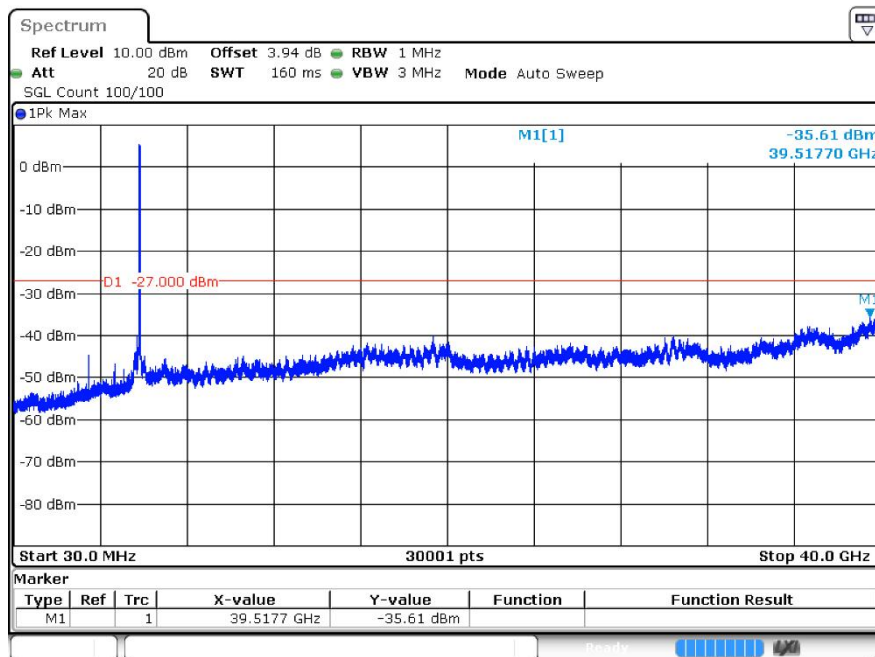
7.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
a	5745	Ant1	-35.76	-27	Pass
a	5785	Ant1	-35.62	-27	Pass
a	5825	Ant1	-35.6	-27	Pass
n20	5745	Ant1	-35.45	-27	Pass
n20	5785	Ant1	-35.35	-27	Pass
n20	5825	Ant1	-35	-27	Pass
n40	5755	Ant1	-36.23	-27	Pass
n40	5795	Ant1	-35.84	-27	Pass
ac20	5745	Ant1	-36.01	-27	Pass
ac20	5785	Ant1	-35.51	-27	Pass
ac20	5825	Ant1	-35.62	-27	Pass
ac40	5755	Ant1	-35.28	-27	Pass
ac40	5795	Ant1	-35.72	-27	Pass
ax20	5745	Ant1	-36.04	-27	Pass
ax20	5785	Ant1	-36.01	-27	Pass
ax20	5825	Ant1	-35.6	-27	Pass
ax40	5755	Ant1	-35.22	-27	Pass
ax40	5795	Ant1	-35.81	-27	Pass

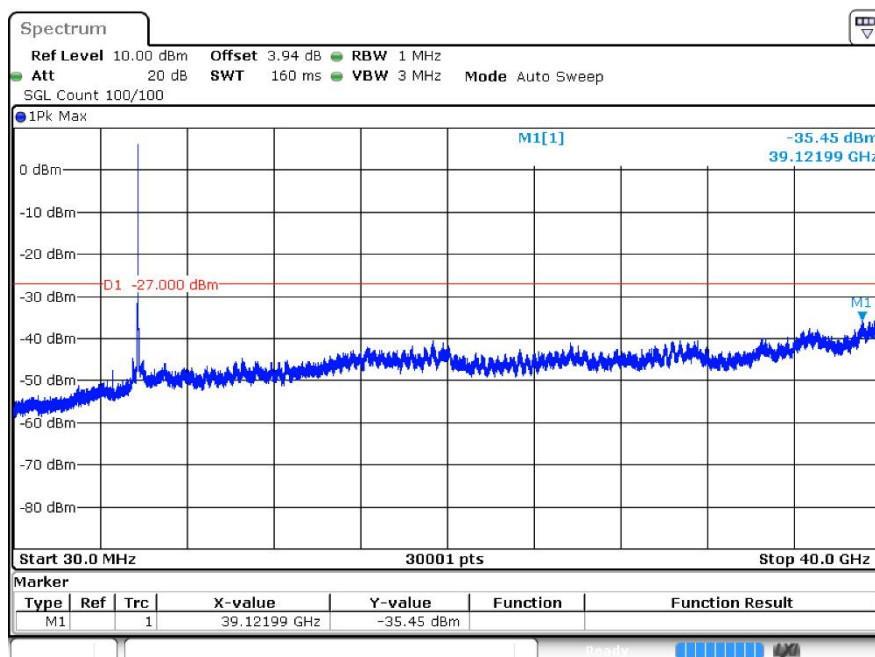
7.2 Test Graphs



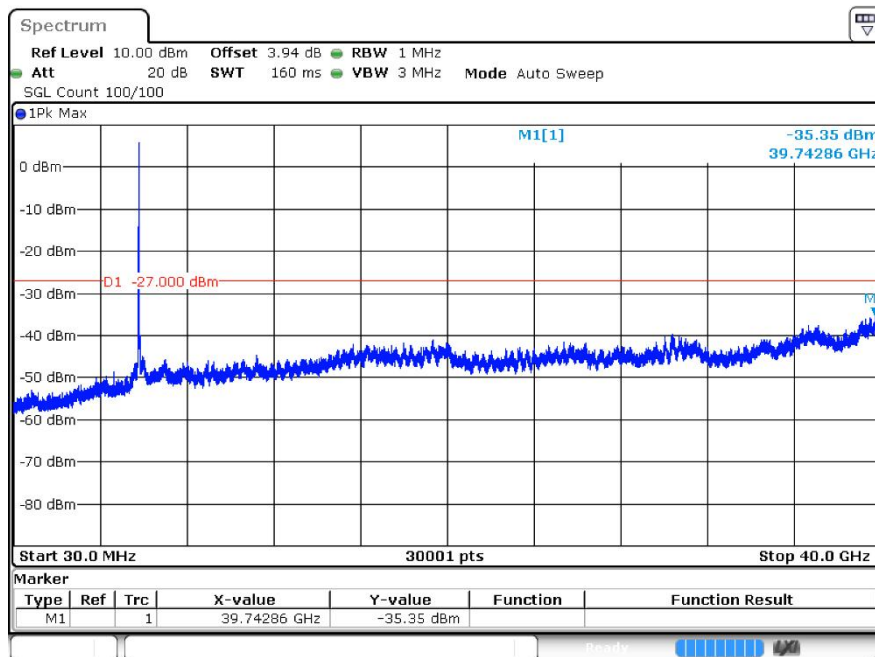
Tx. Spurious a 5825MHz Ant1 Emission



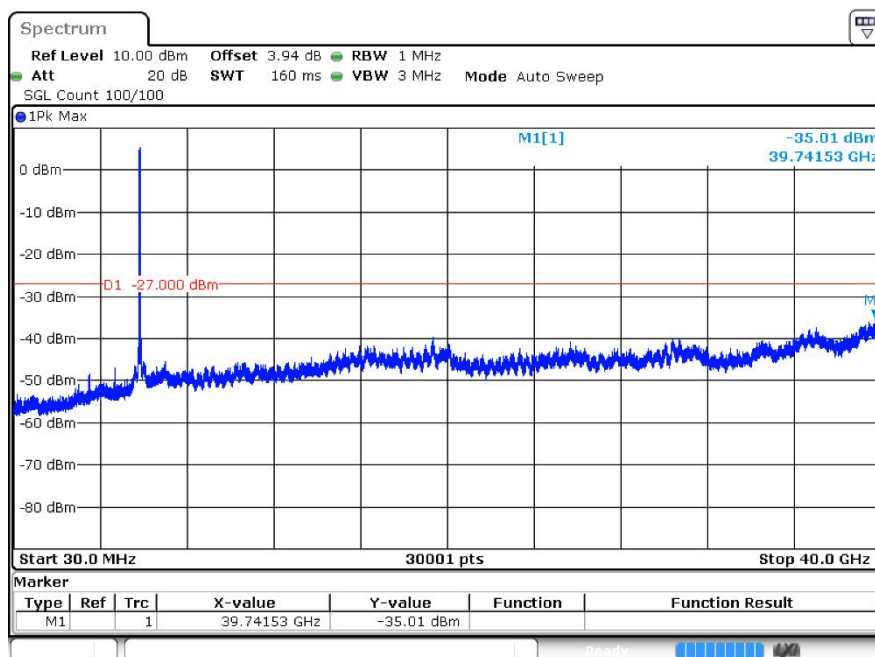
Tx. Spurious n20 5745MHz Ant1 Emission



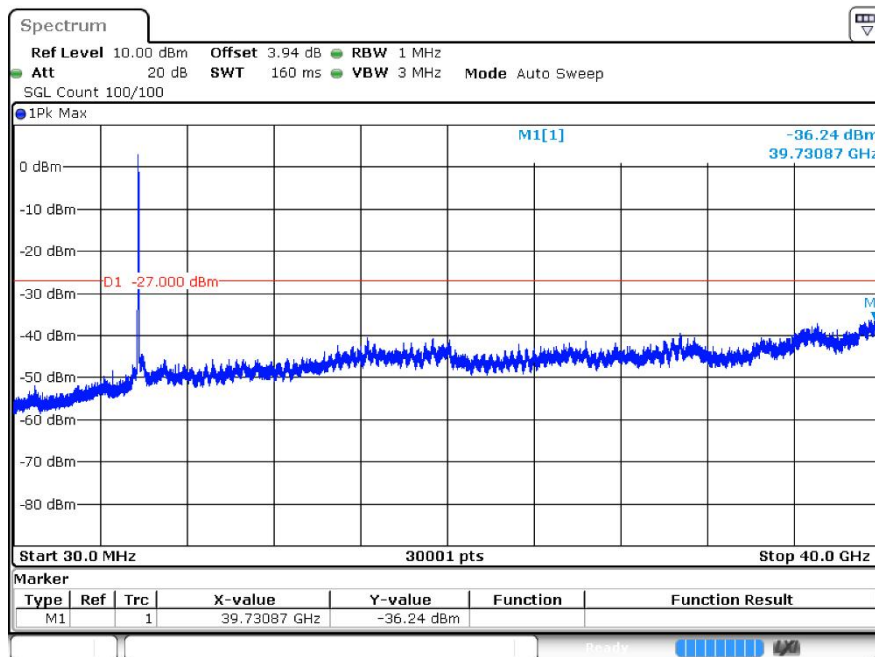
Tx. Spurious n20 5785MHz Ant1 Emission



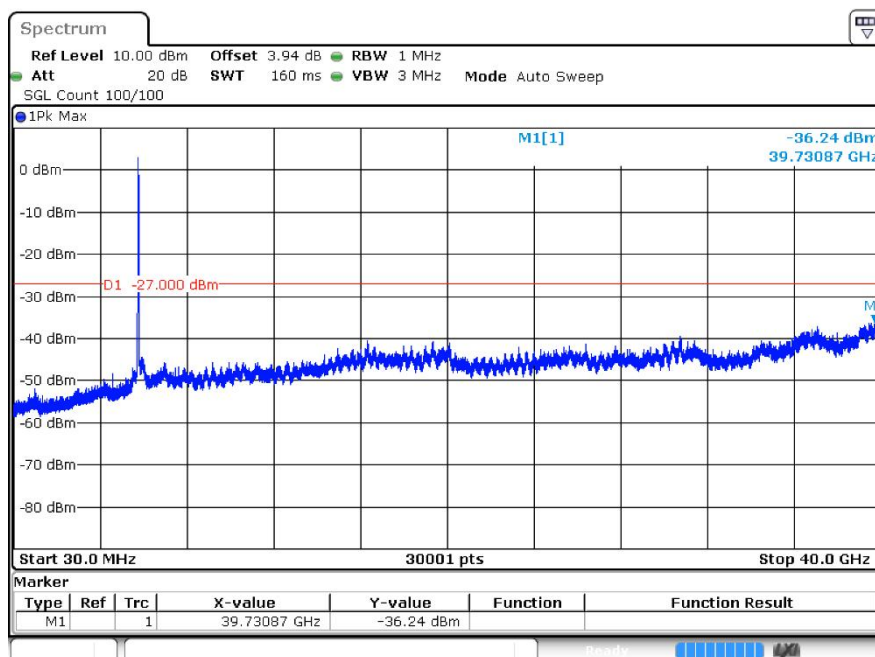
Tx. Spurious n20 5825MHz Ant1 Emission



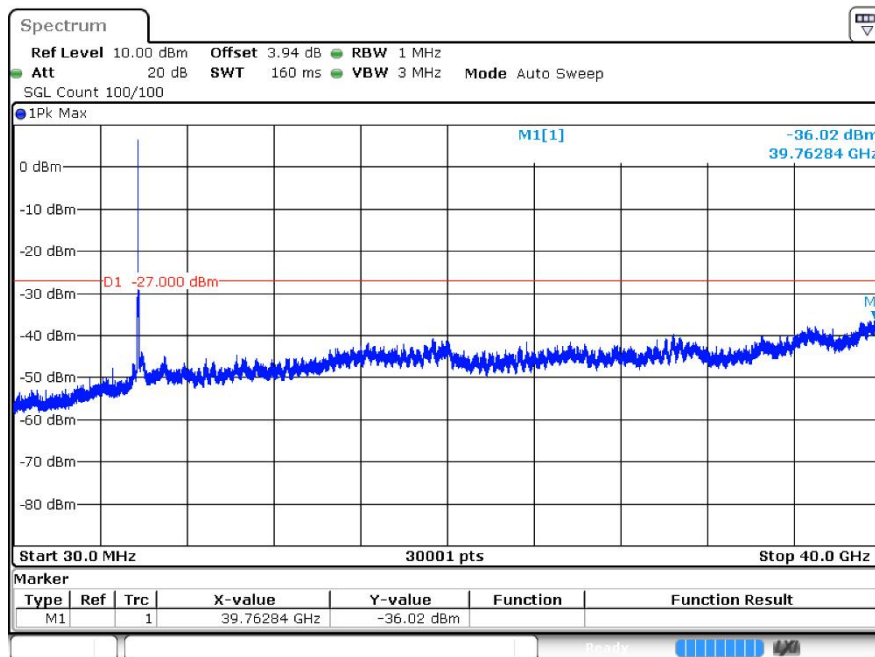
Tx. Spurious n40 5755MHz Ant1 Emission



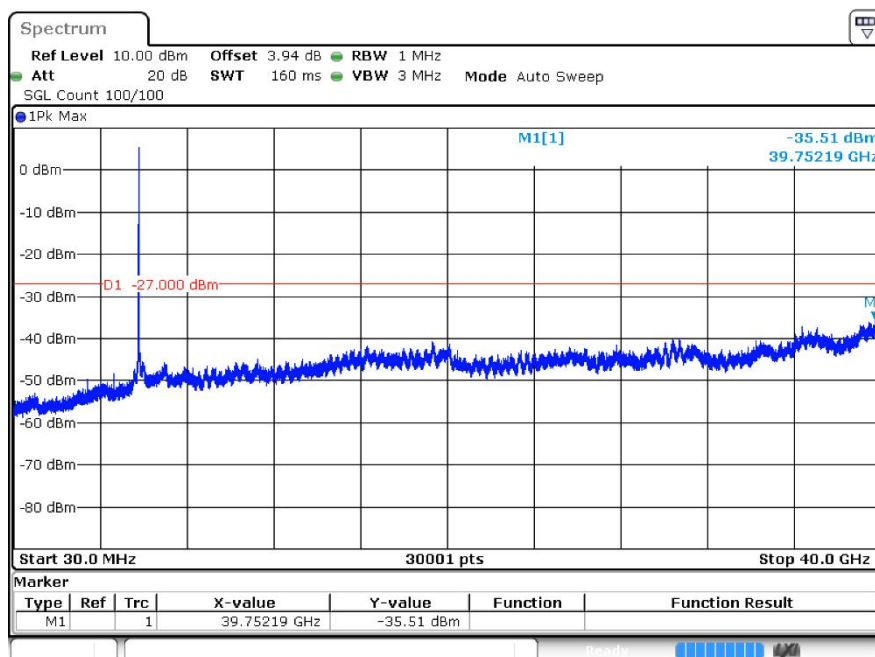
Tx. Spurious n40 5795MHz Ant1 Emission



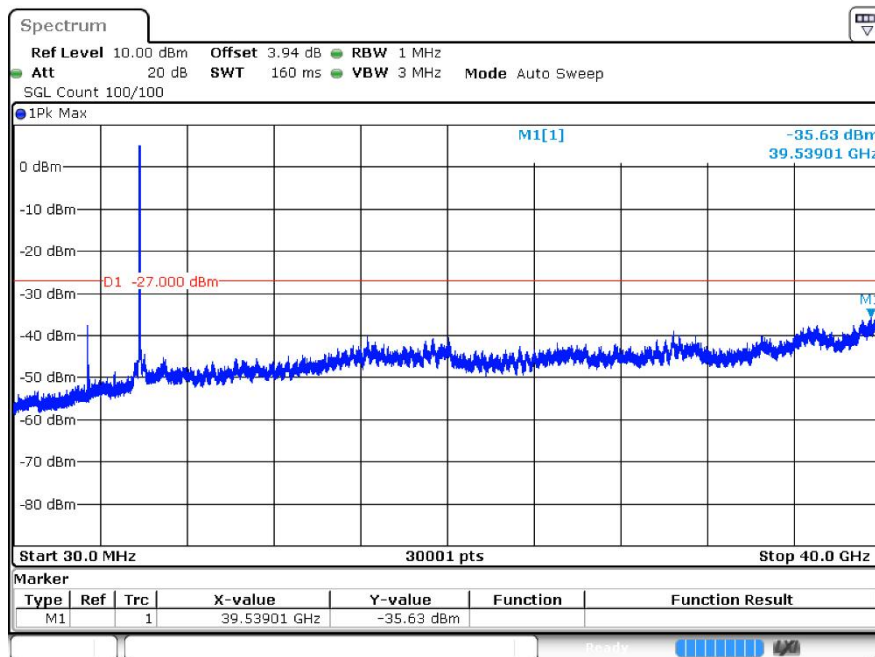
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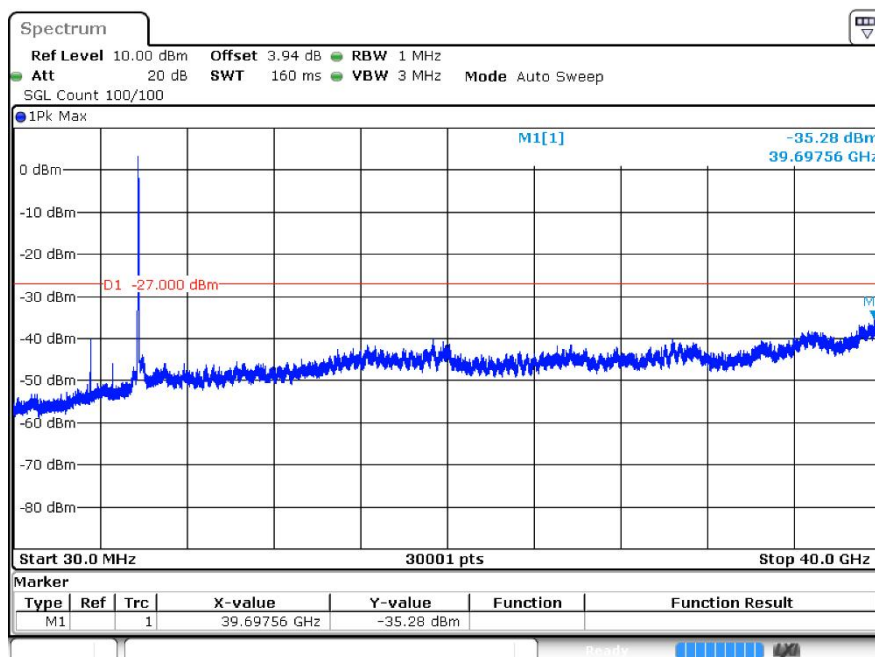
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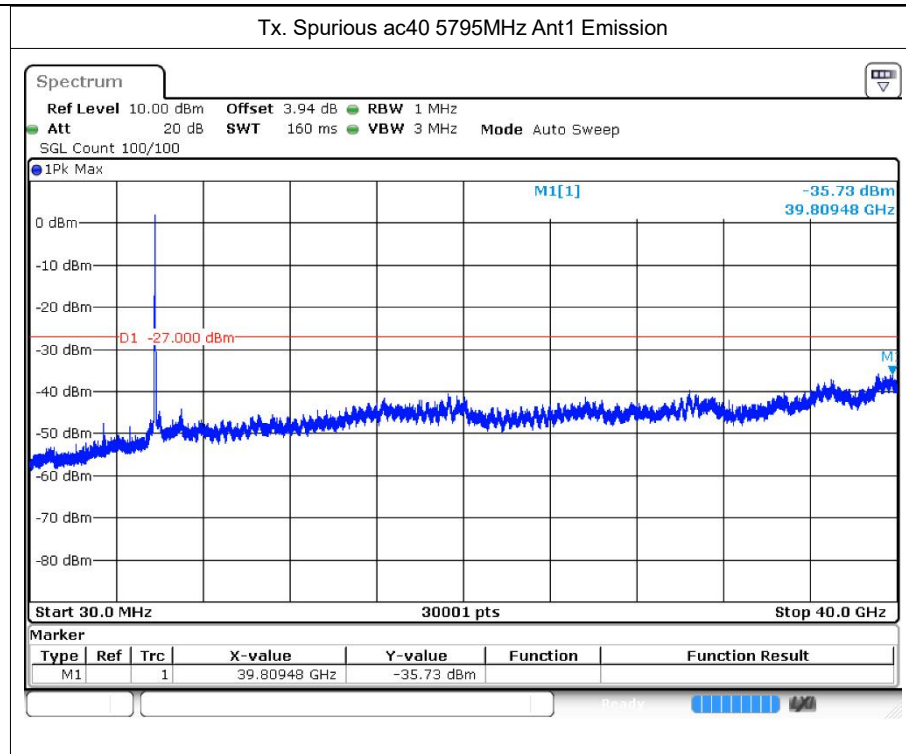


Tx. Spurious ac20 5825MHz Ant1 Emission

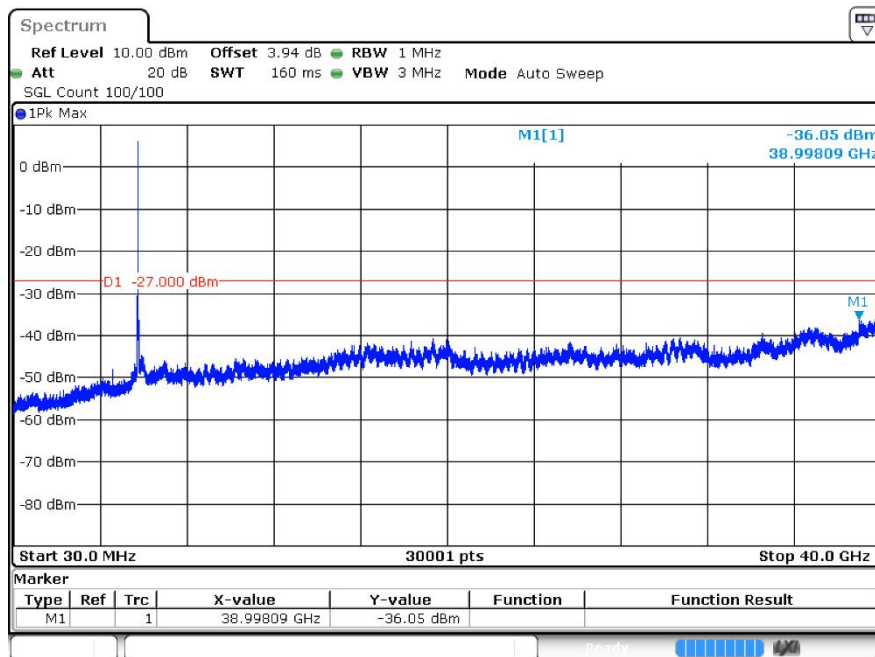


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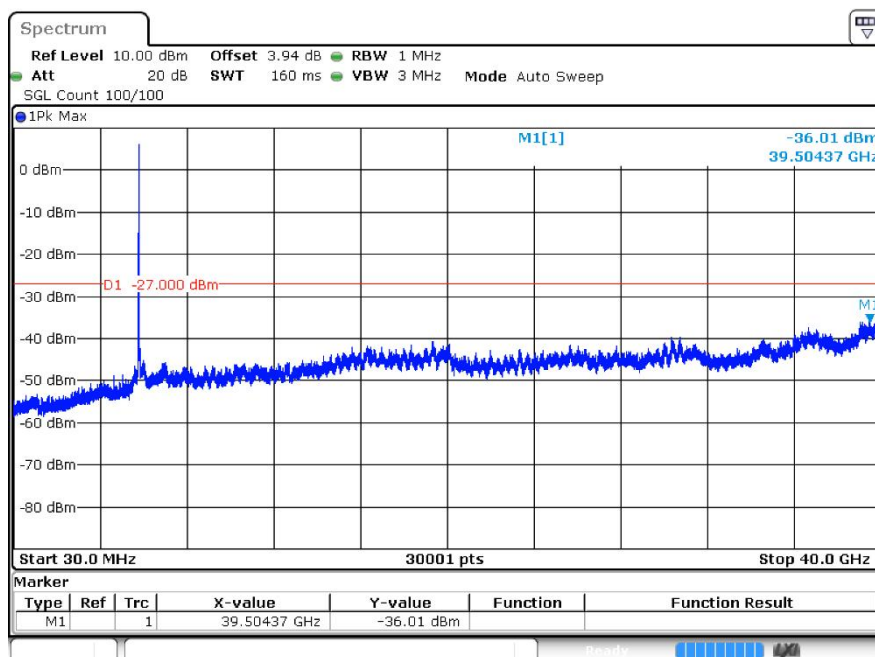




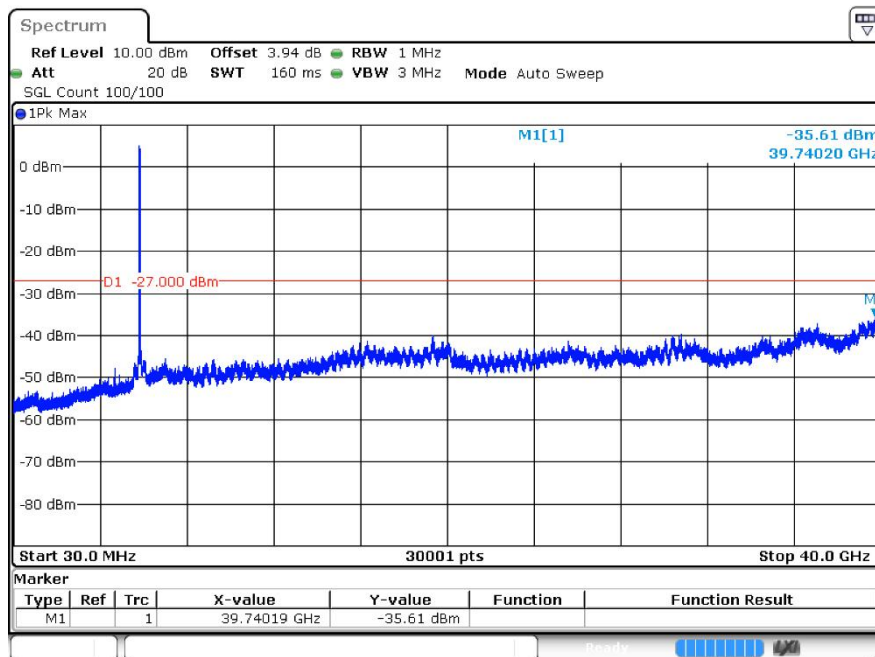
Tx. Spurious ax20 5745MHz Ant1 Emission



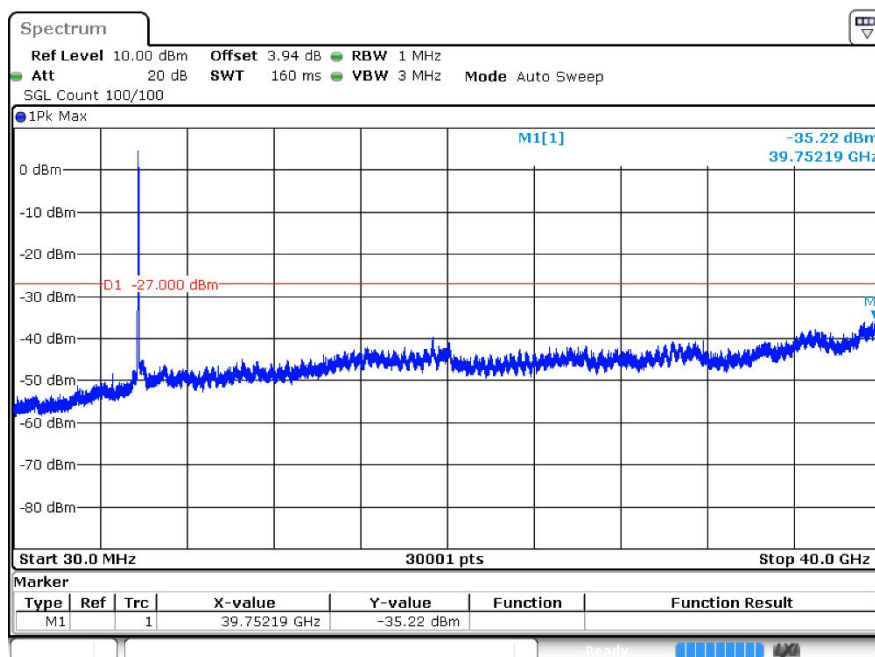
Tx. Spurious ax20 5785MHz Ant1 Emission

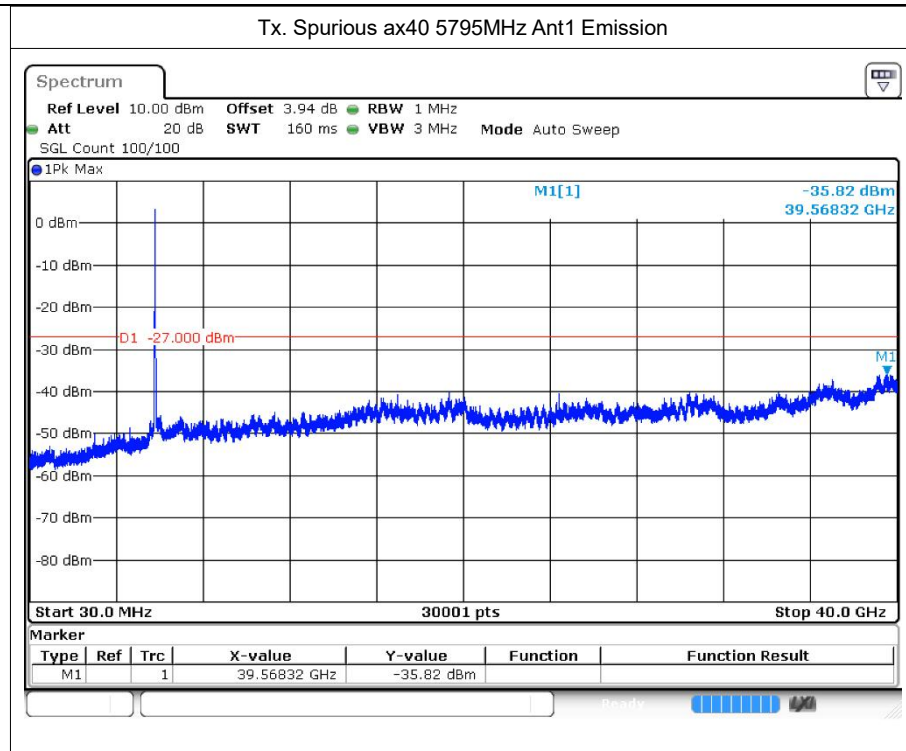


Tx. Spurious ax20 5825MHz Ant1 Emission



Tx. Spurious ax40 5755MHz Ant1 Emission





---The End---