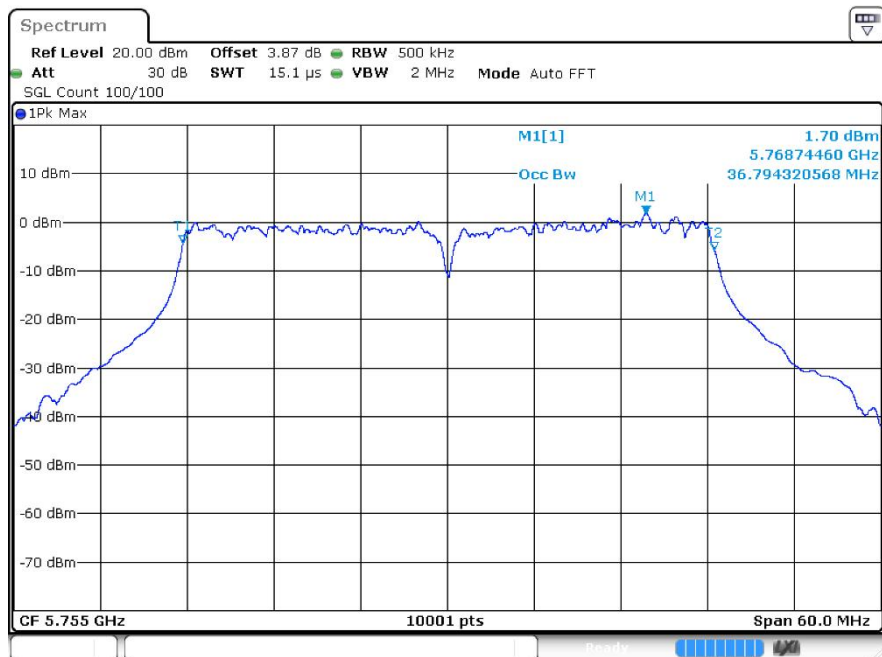
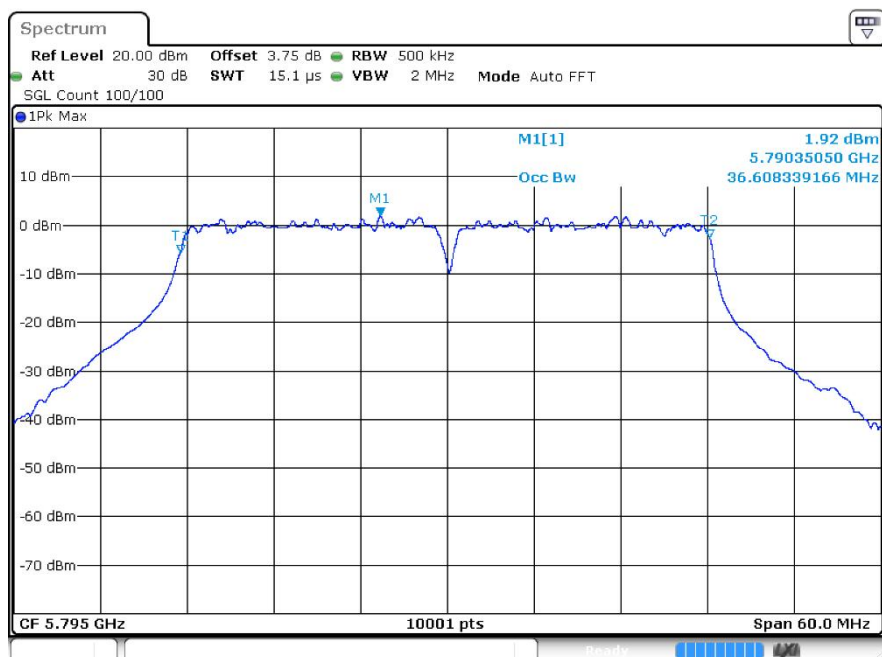


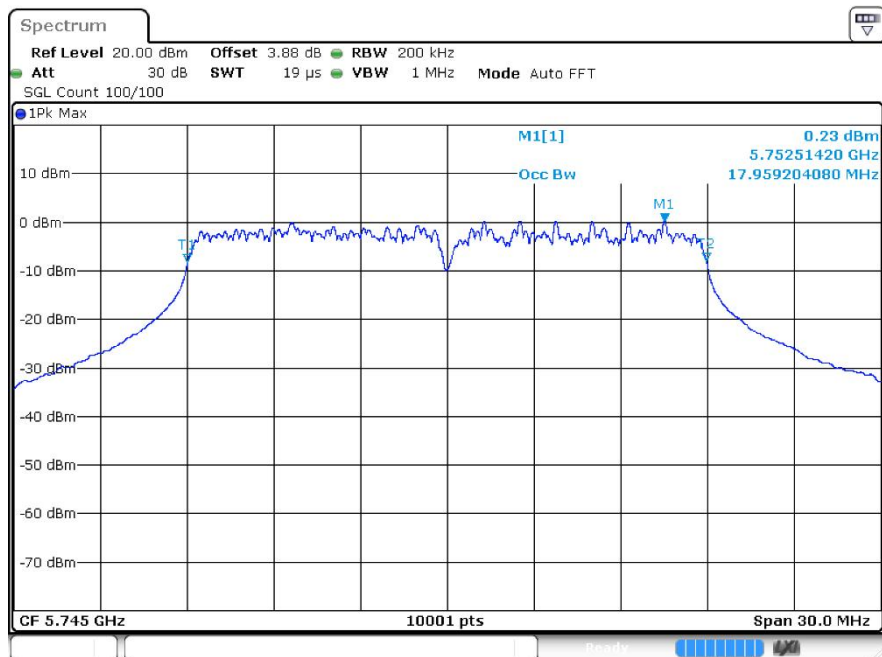
OBW n40 5755MHz Ant1



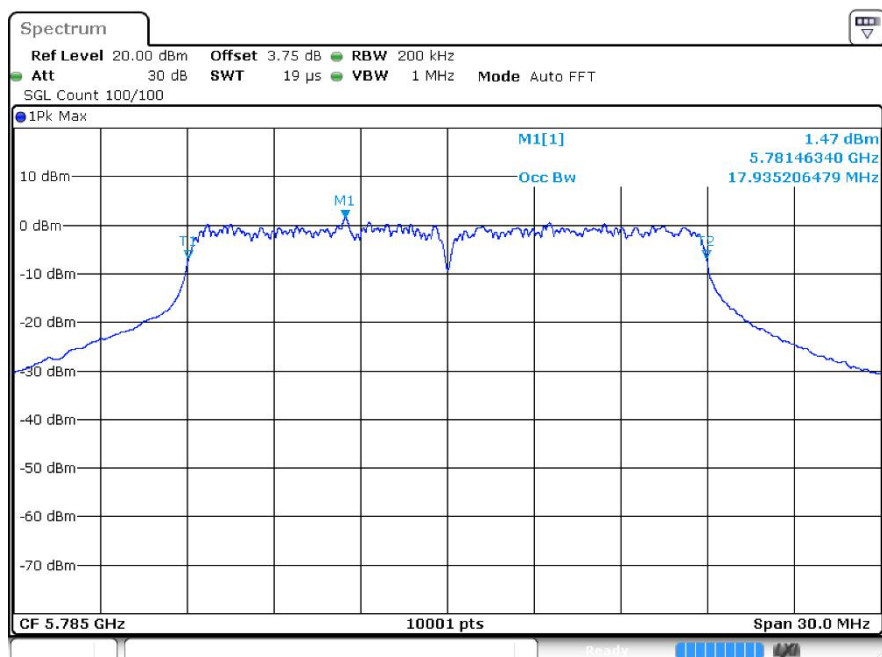
OBW n40 5795MHz Ant1



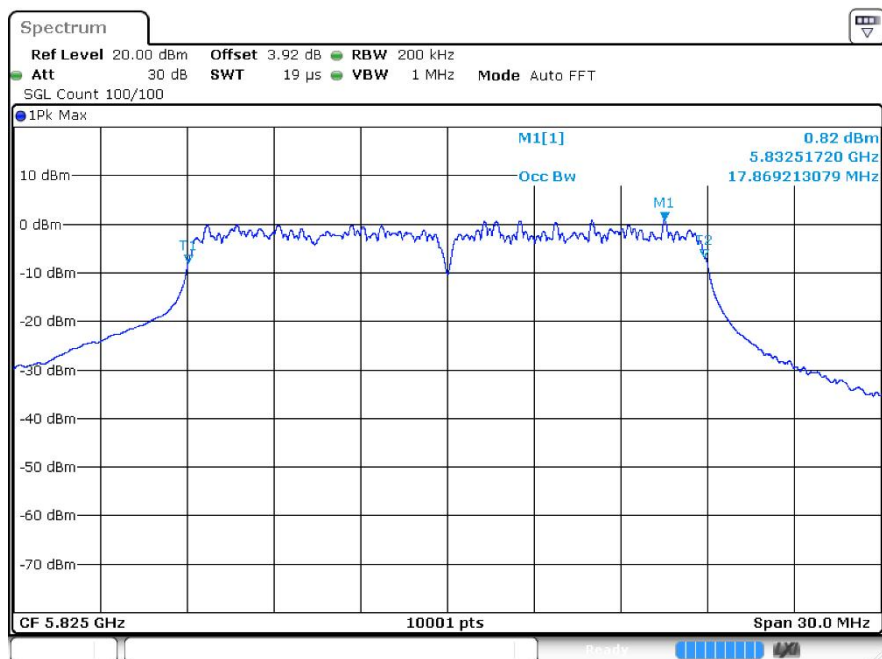
OBW ac20 5745MHz Ant1



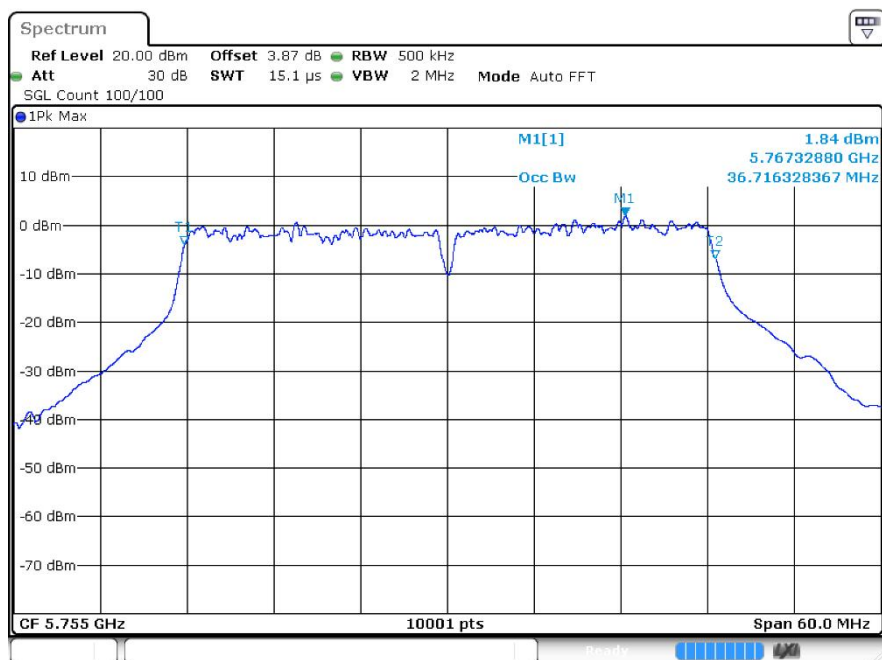
OBW ac20 5785MHz Ant1



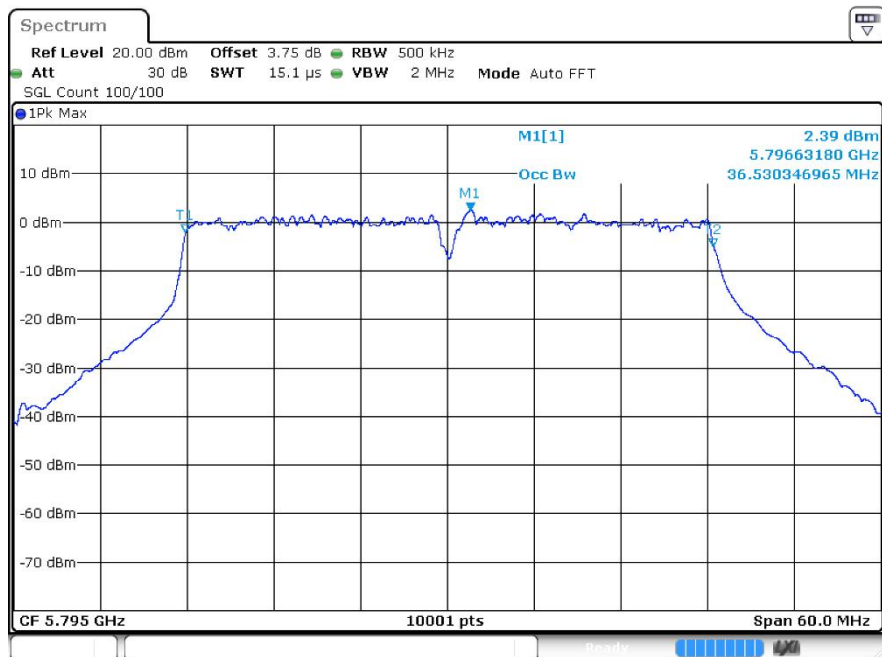
OBW ac20 5825MHz Ant1



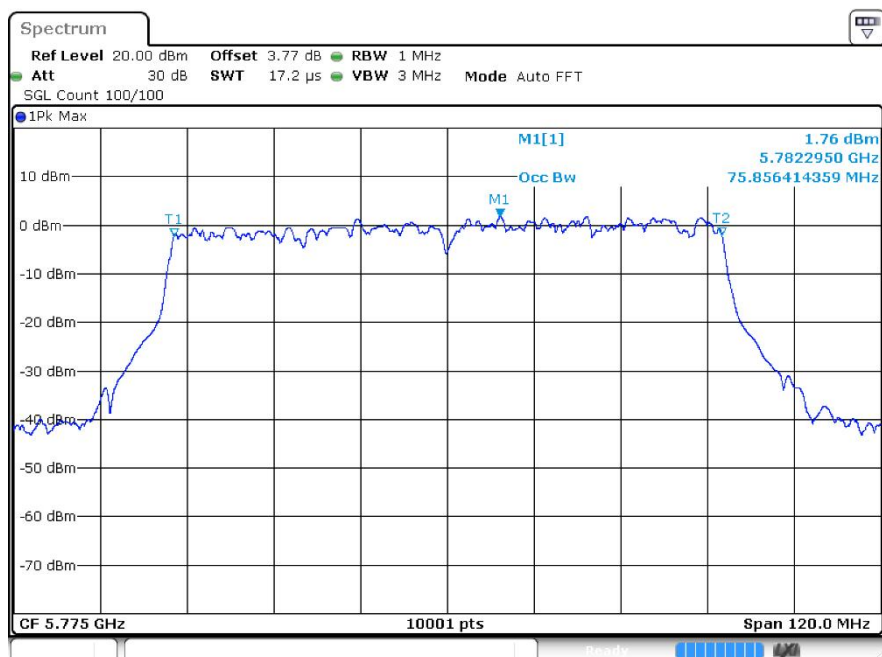
OBW ac40 5755MHz Ant1



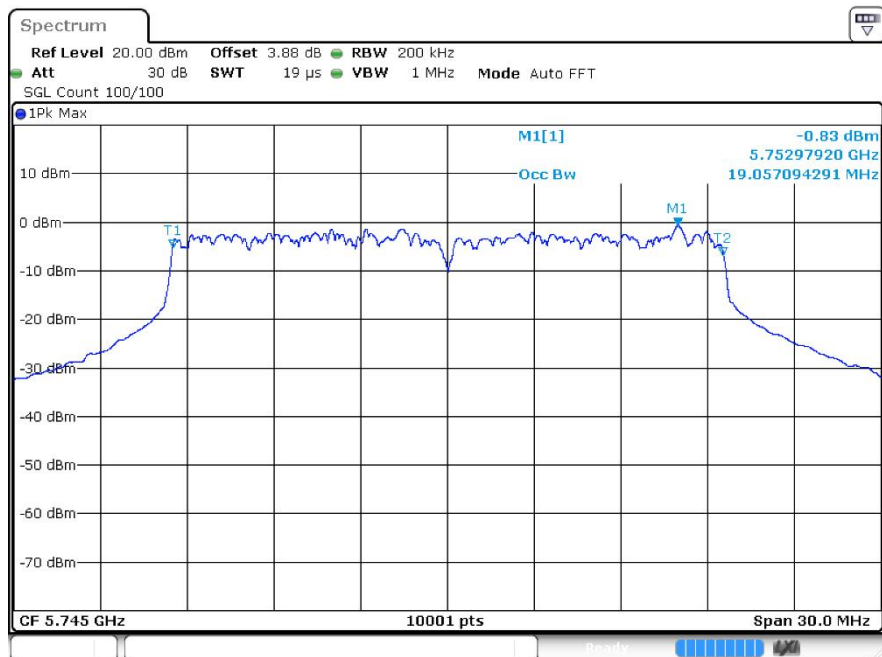
OBW ac40 5795MHz Ant1



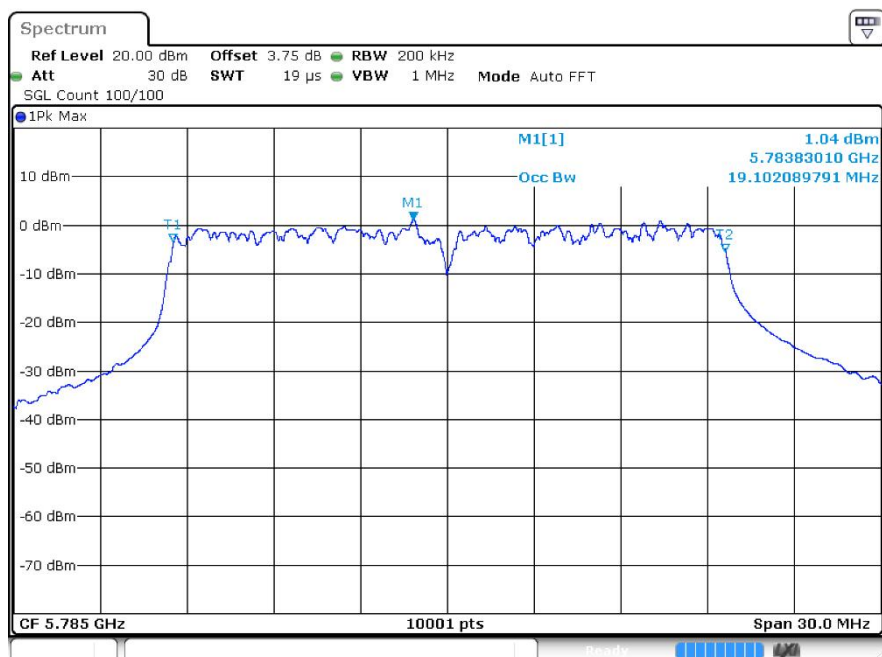
OBW ac80 5775MHz Ant1



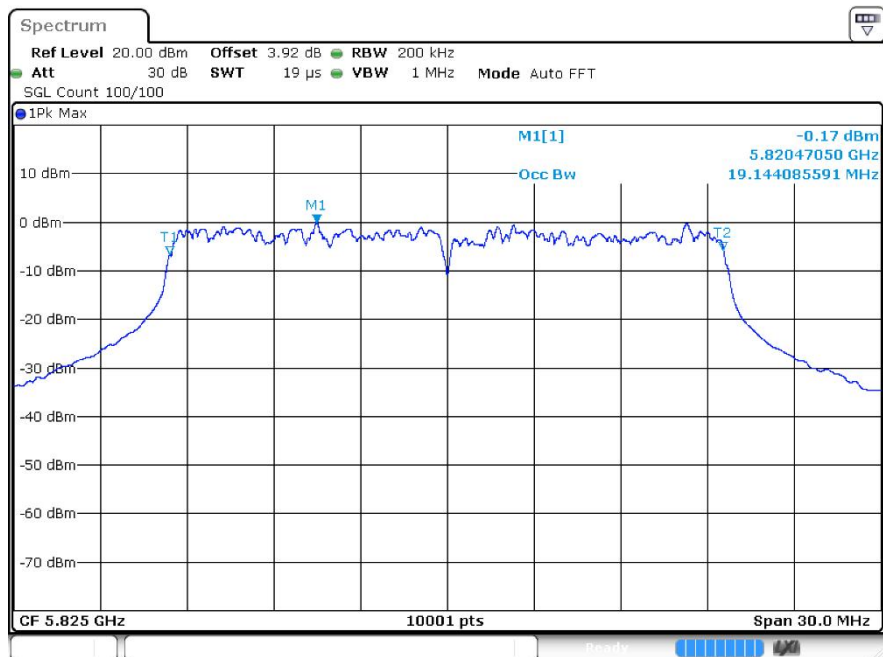
OBW ax20 5745MHz Ant1



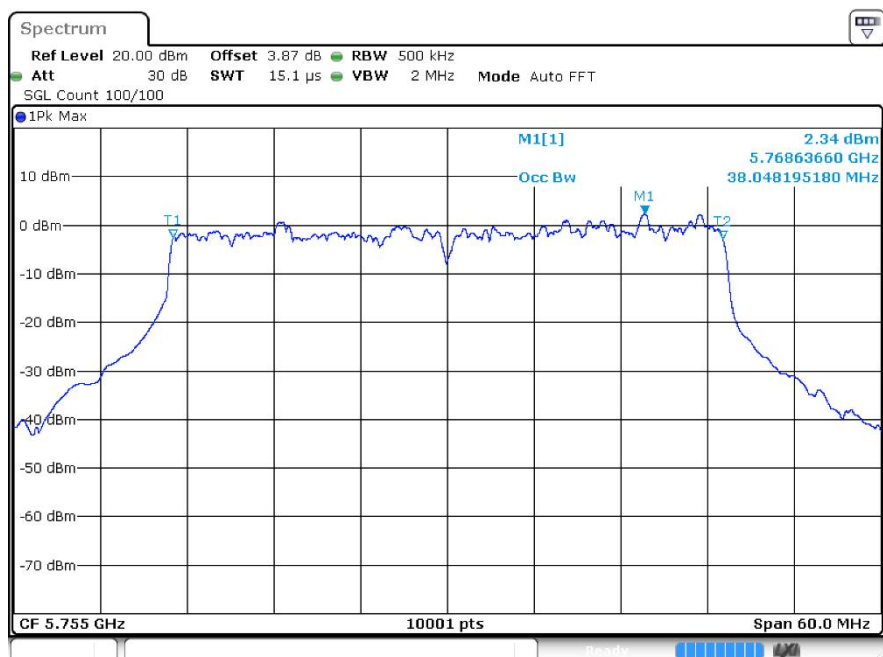
OBW ax20 5785MHz Ant1



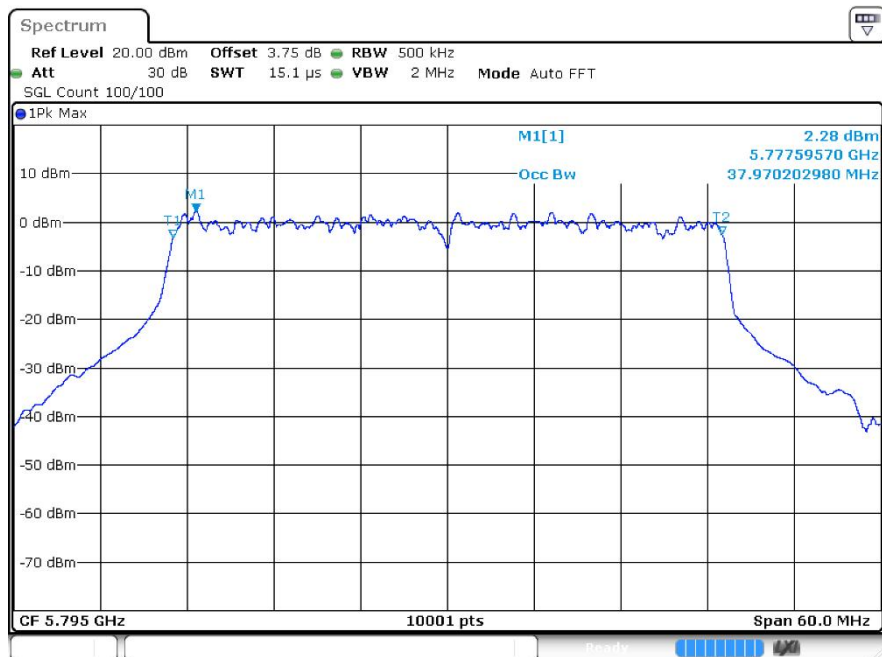
OBW ax20 5825MHz Ant1



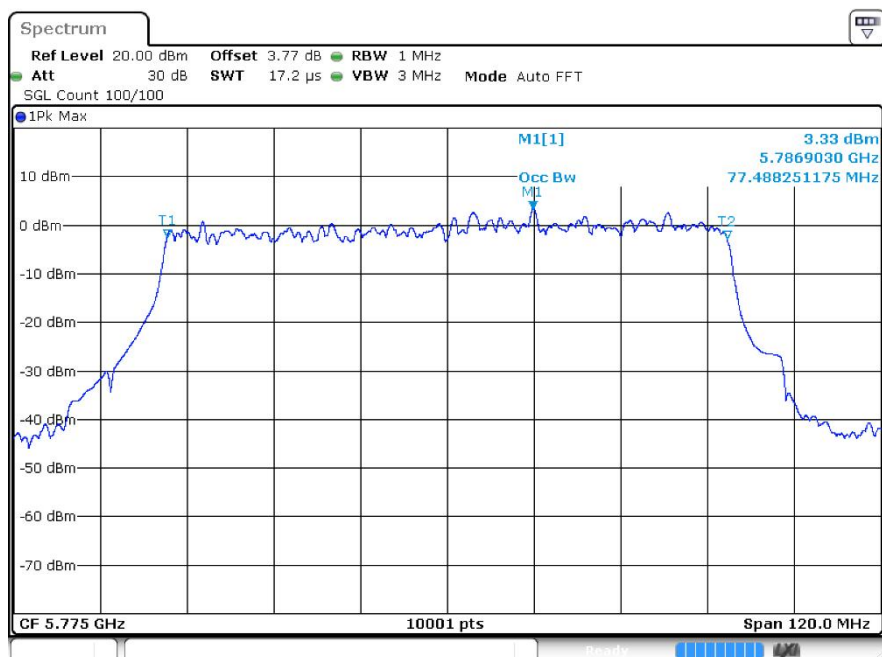
OBW ax40 5755MHz Ant1



OBW ax40 5795MHz Ant1



OBW ax80 5775MHz Ant1



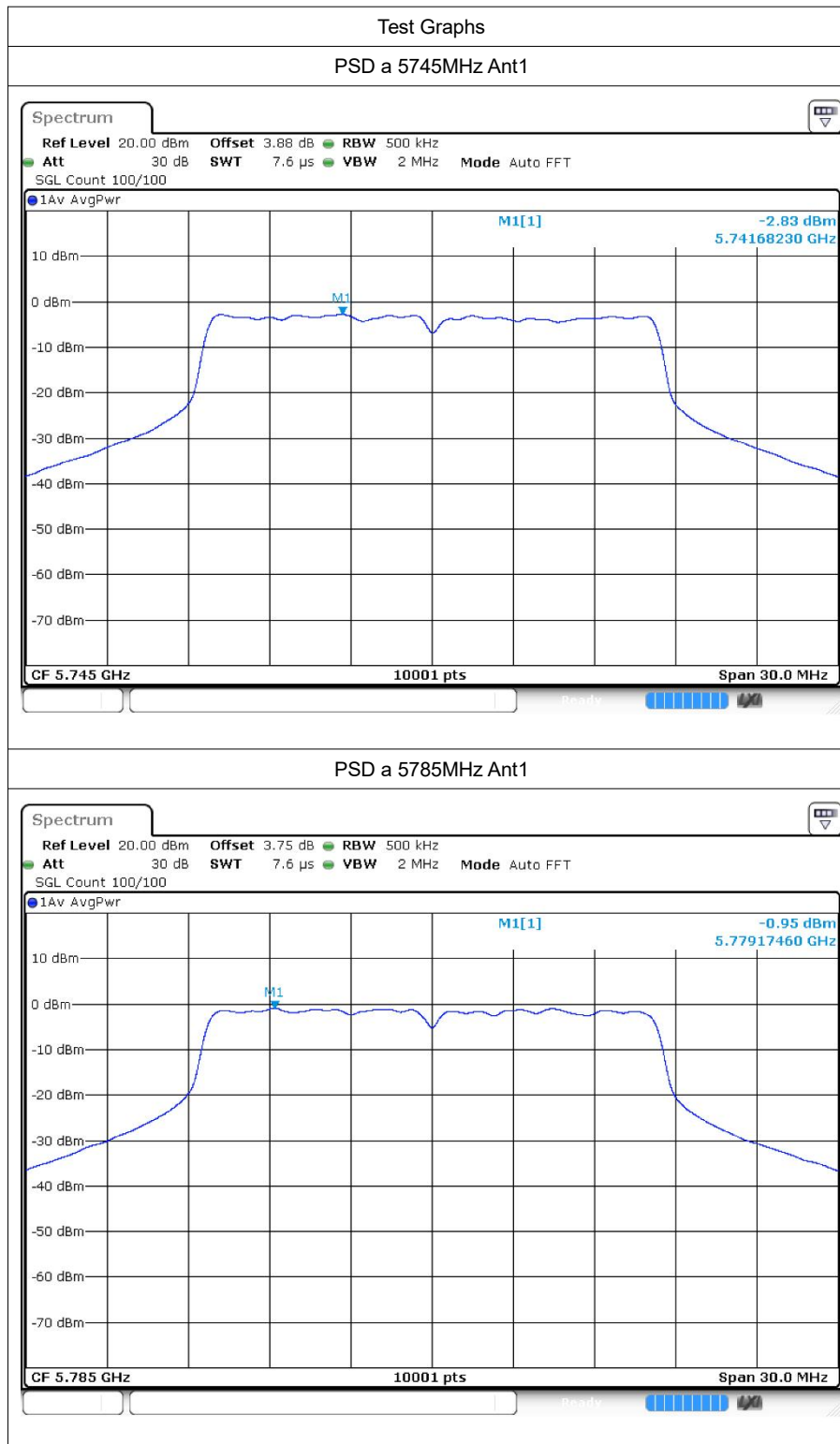


5 Maximum Power Spectral Density Level

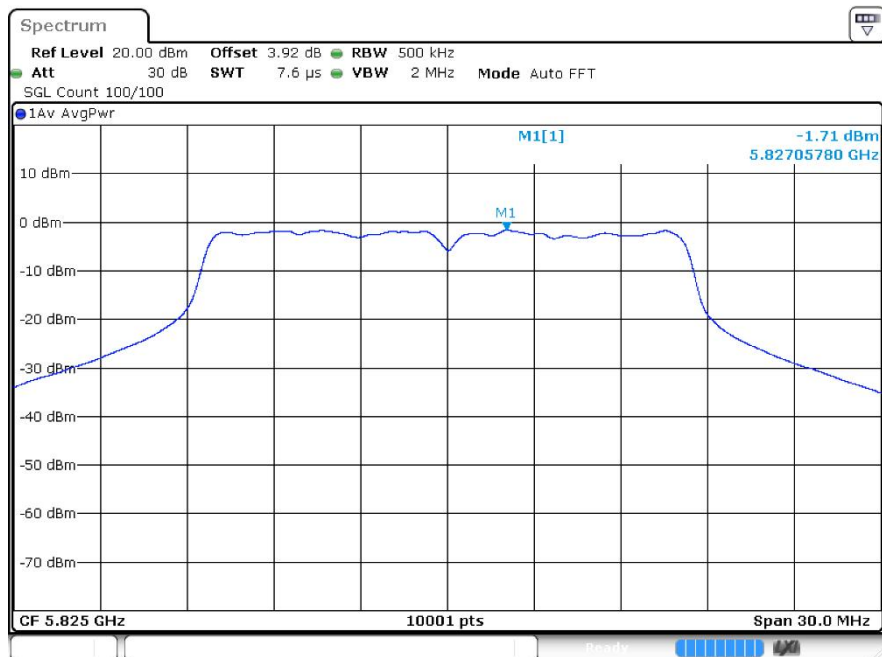
5.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
a	5745	Ant1	-2.83	0.2	-2.63	30	Pass
a	5785	Ant1	-0.95	0.31	-0.64	30	Pass
a	5825	Ant1	-1.71	0.33	-1.38	30	Pass
n20	5745	Ant1	-3.21	0.1	-3.11	30	Pass
n20	5785	Ant1	-1.81	0.15	-1.66	30	Pass
n20	5825	Ant1	-2.72	0.09	-2.63	30	Pass
n40	5755	Ant1	-5.24	0.15	-5.09	30	Pass
n40	5795	Ant1	-4.81	0.11	-4.7	30	Pass
ac20	5745	Ant1	-2.89	0.11	-2.78	30	Pass
ac20	5785	Ant1	-2.14	0.15	-1.99	30	Pass
ac20	5825	Ant1	-2.84	0.1	-2.74	30	Pass
ac40	5755	Ant1	-5.34	0.09	-5.25	30	Pass
ac40	5795	Ant1	-4.96	0.14	-4.82	30	Pass
ac80	5775	Ant1	-7.94	0.12	-7.82	30	Pass
ax20	5745	Ant1	-4.87	0.11	-4.76	30	Pass
ax20	5785	Ant1	-3.18	0.11	-3.07	30	Pass
ax20	5825	Ant1	-3.86	0.11	-3.75	30	Pass
ax40	5755	Ant1	-6.43	0.17	-6.26	30	Pass
ax40	5795	Ant1	-5.99	0.12	-5.87	30	Pass
ax80	5775	Ant1	-9.37	0.2	-9.17	30	Pass

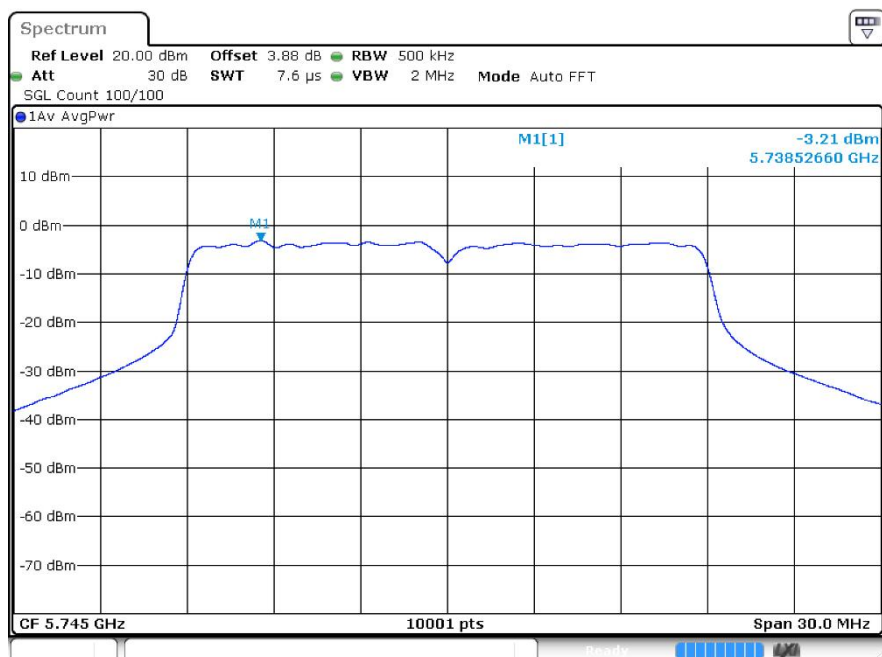
5.2 Test Graphs



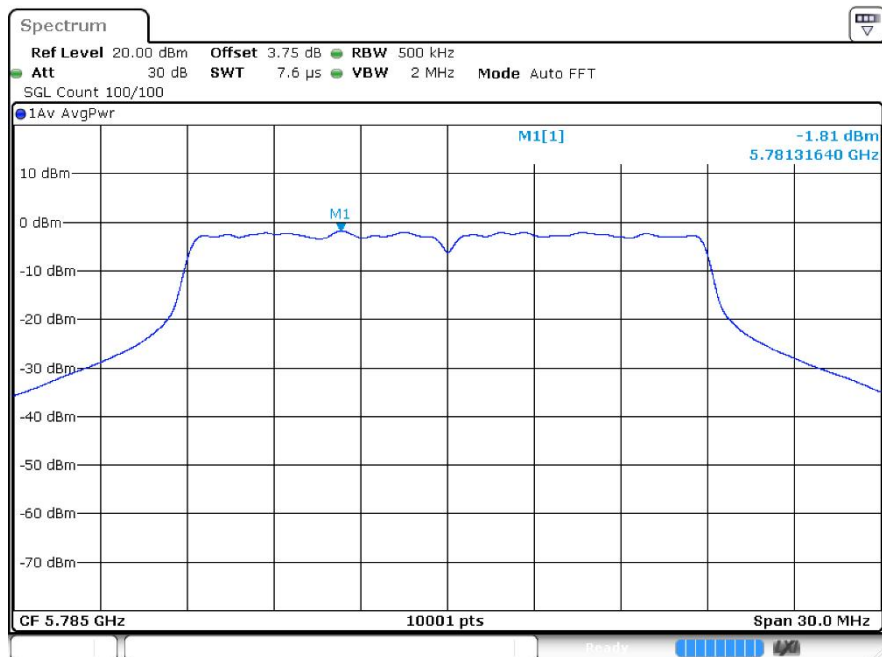
PSD a 5825MHz Ant1



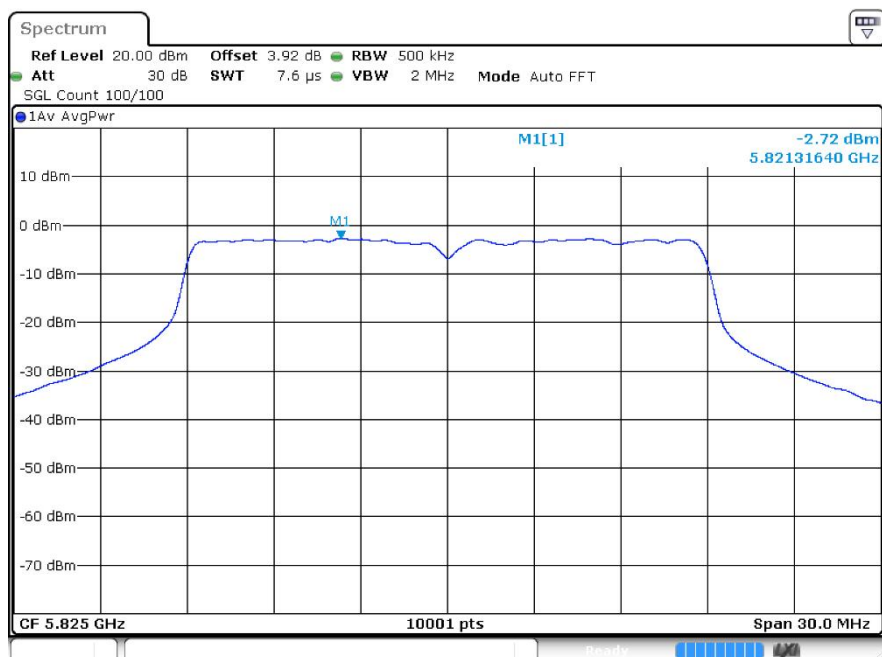
PSD n20 5745MHz Ant1



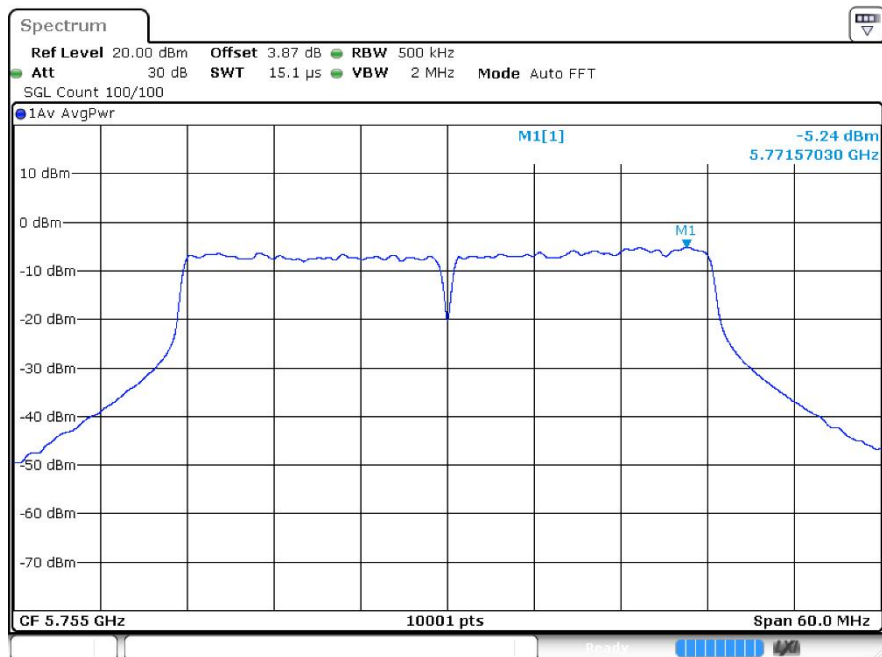
PSD n20 5785MHz Ant1



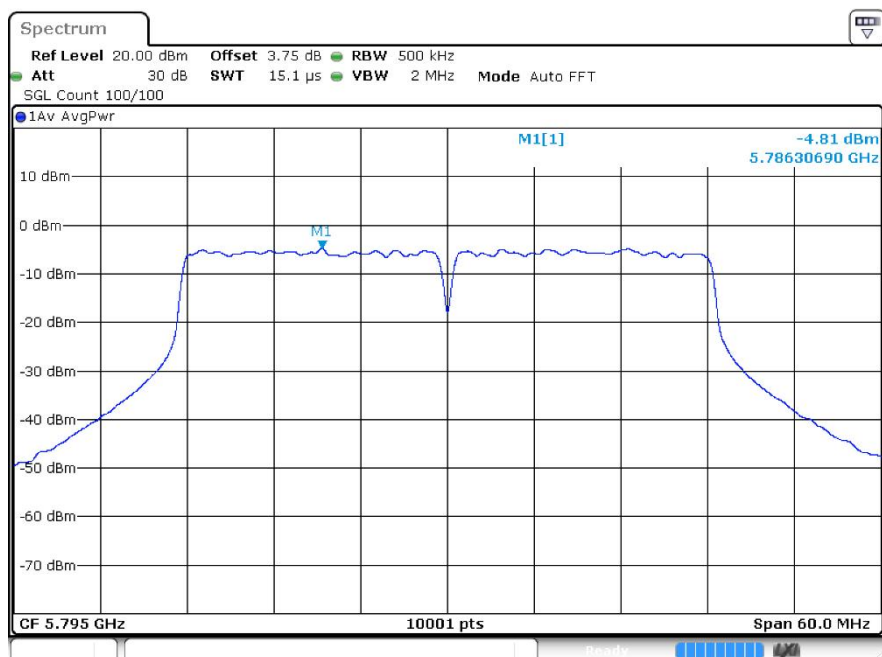
PSD n20 5825MHz Ant1



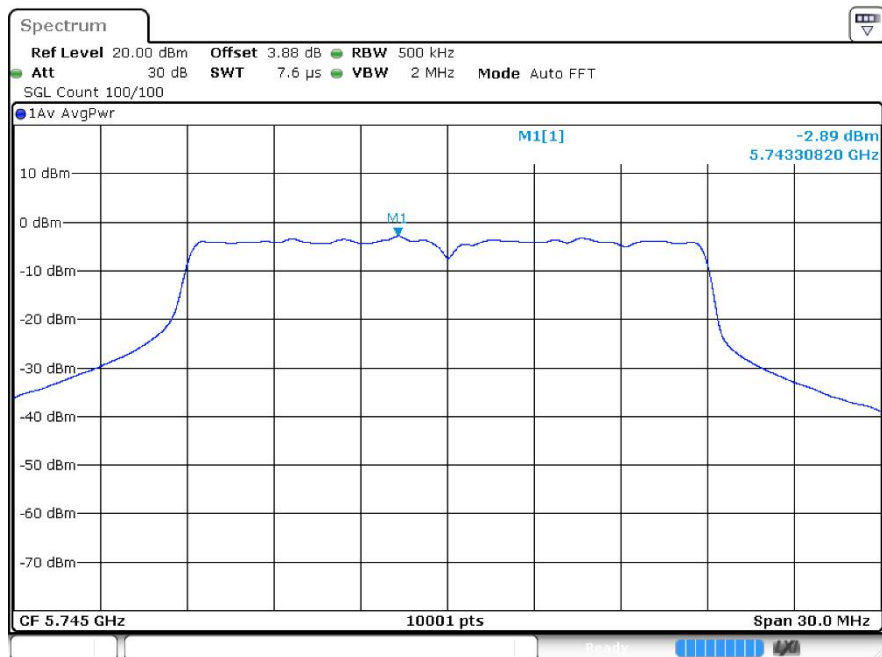
PSD n40 5755MHz Ant1



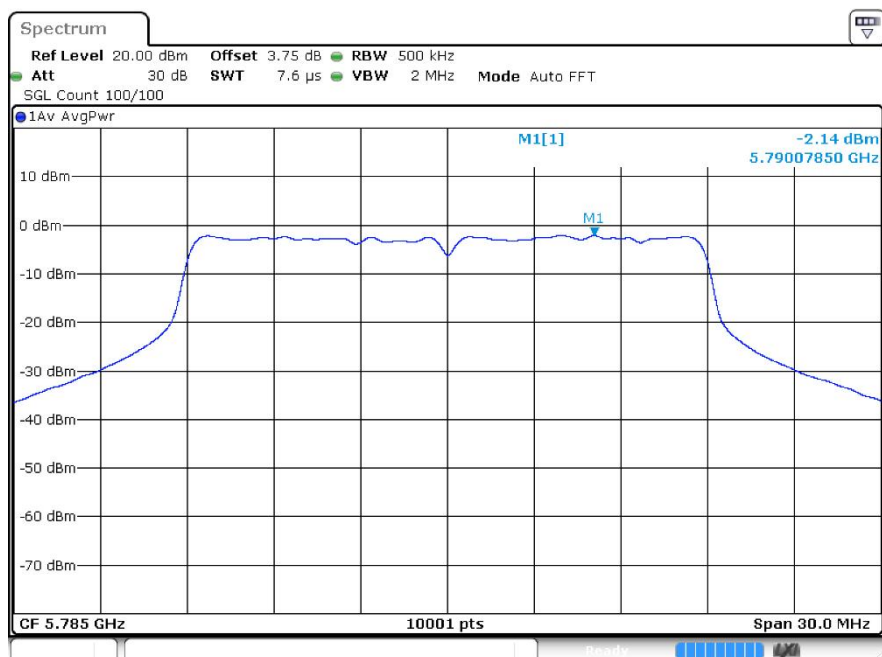
PSD n40 5795MHz Ant1



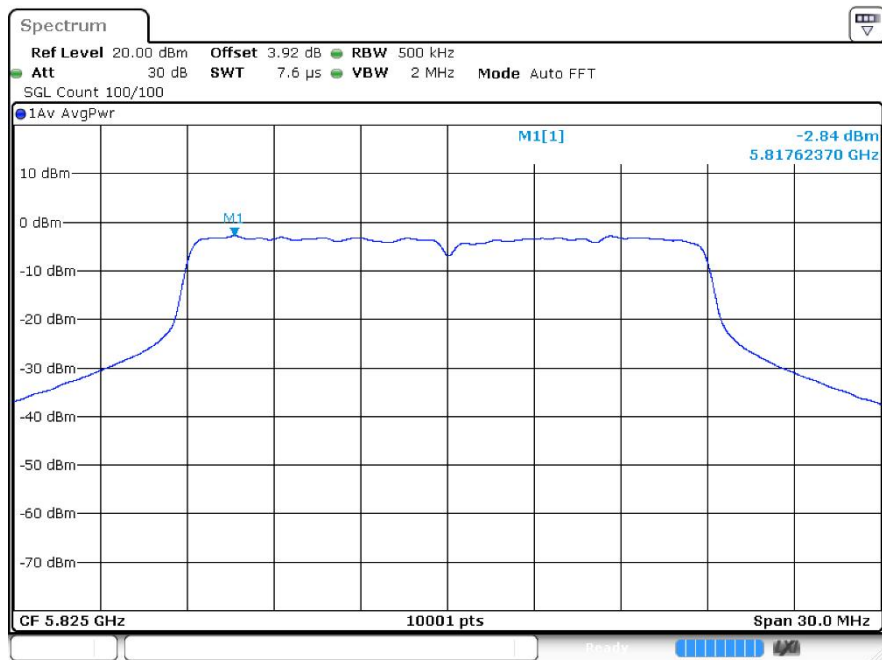
PSD ac20 5745MHz Ant1



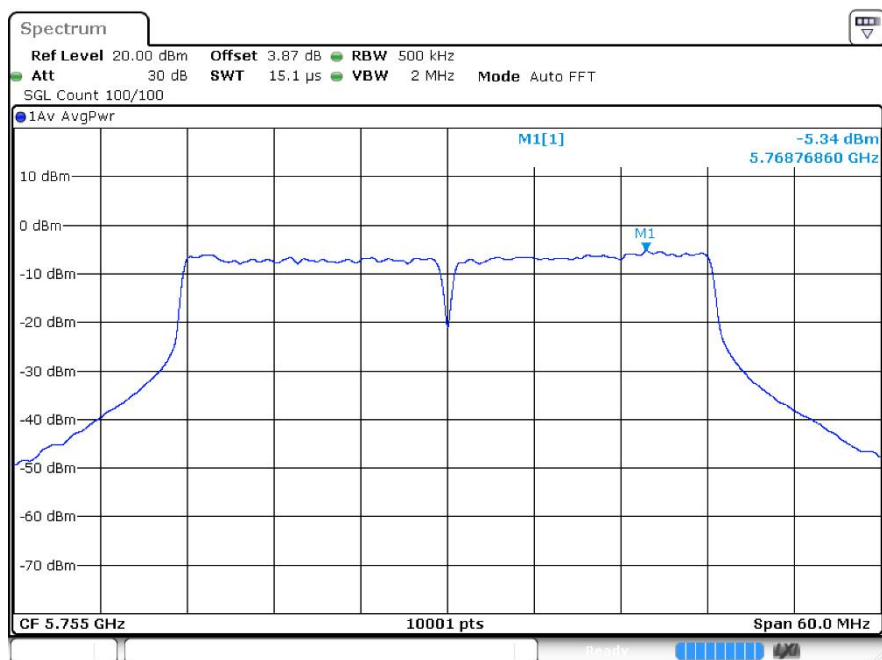
PSD ac20 5785MHz Ant1



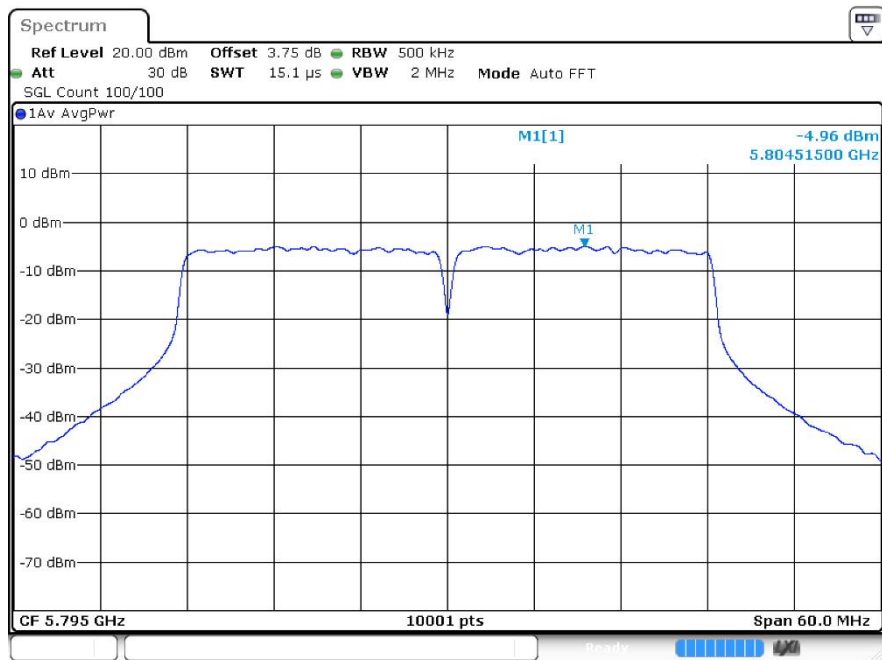
PSD ac20 5825MHz Ant1



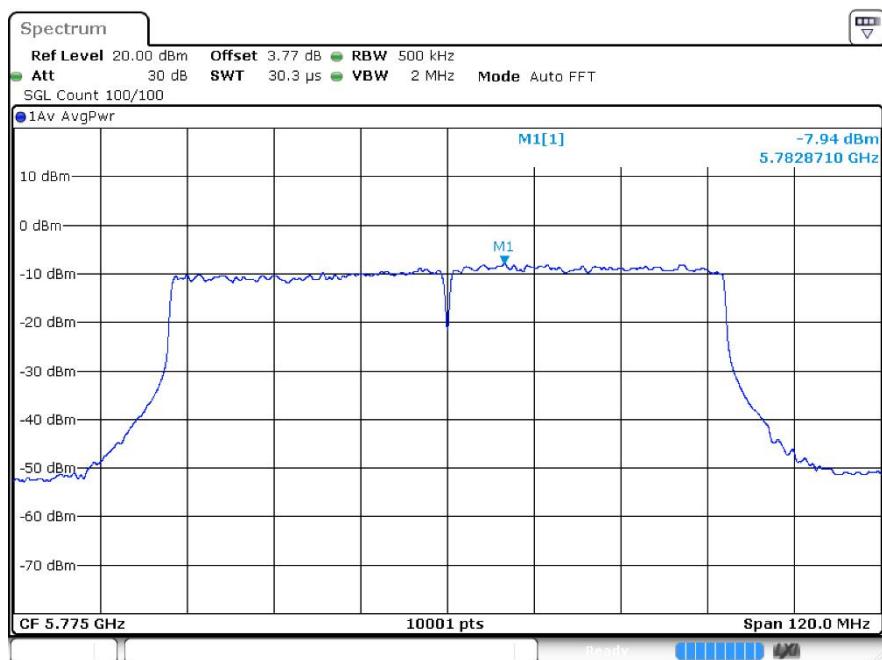
PSD ac40 5755MHz Ant1



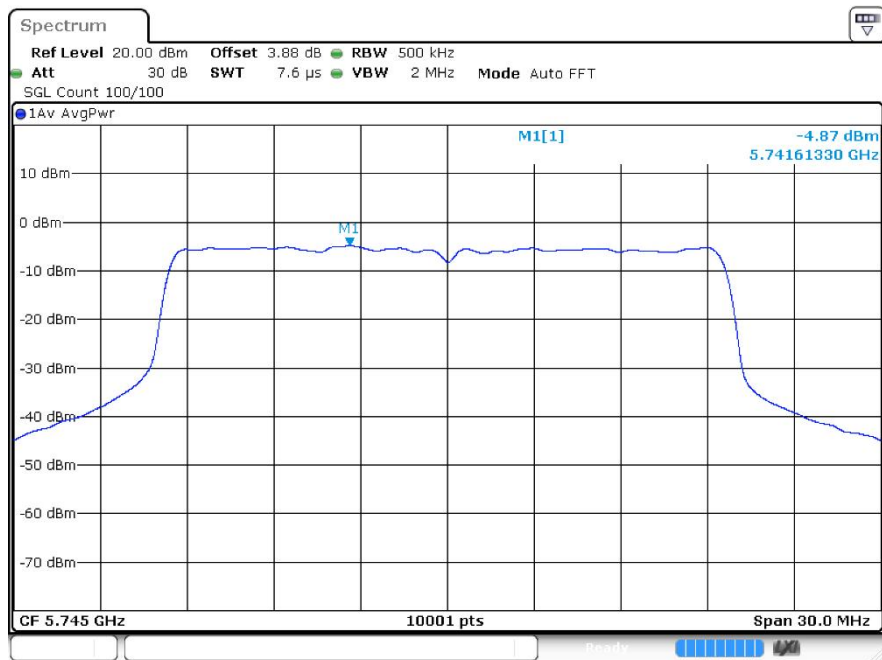
PSD ac40 5795MHz Ant1



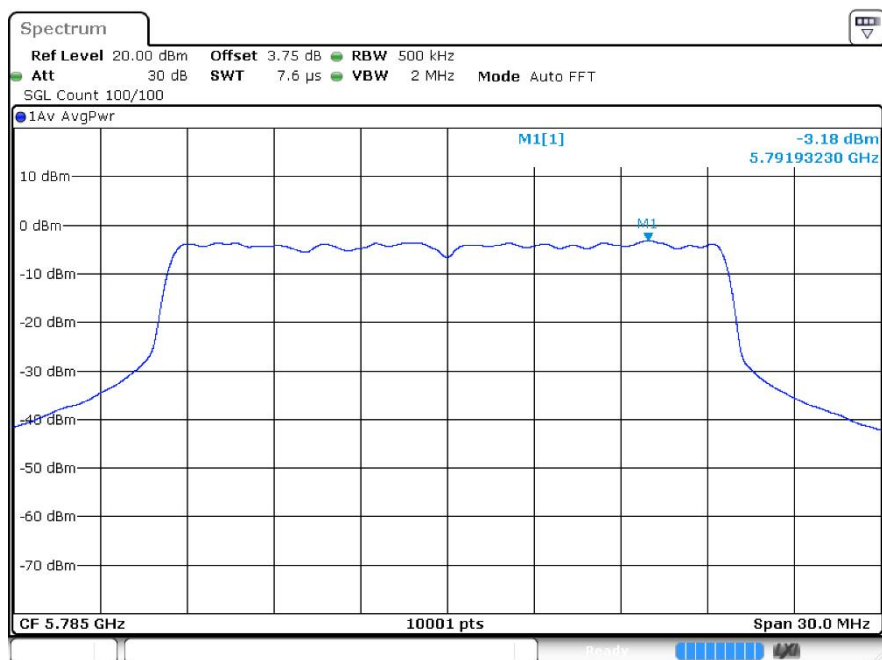
PSD ac80 5775MHz Ant1



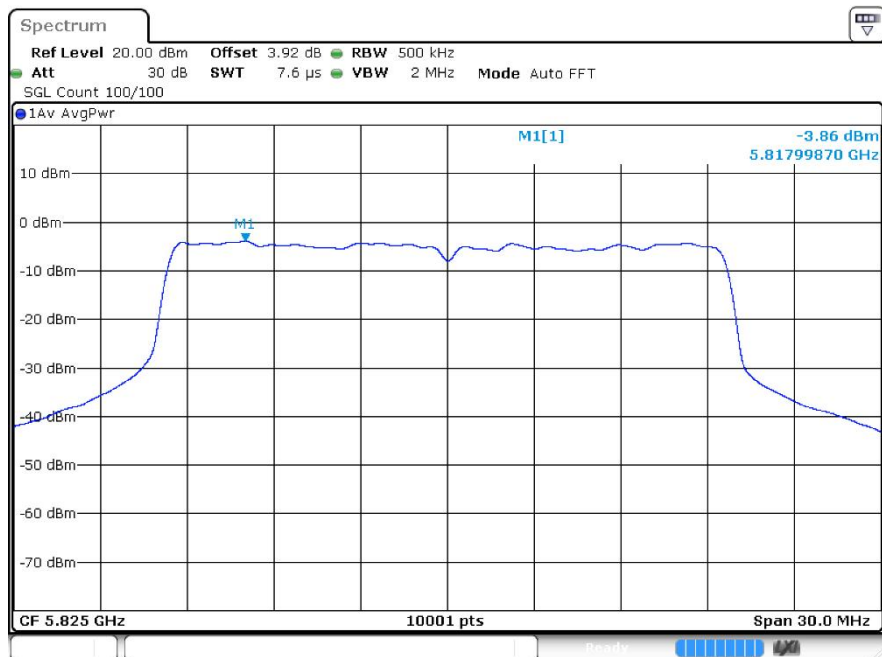
PSD ax20 5745MHz Ant1



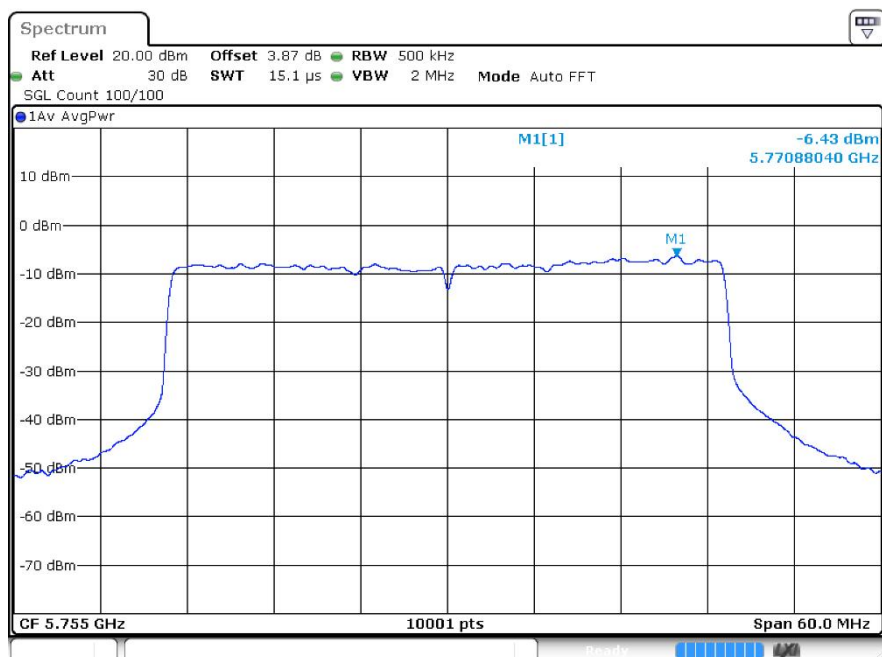
PSD ax20 5785MHz Ant1



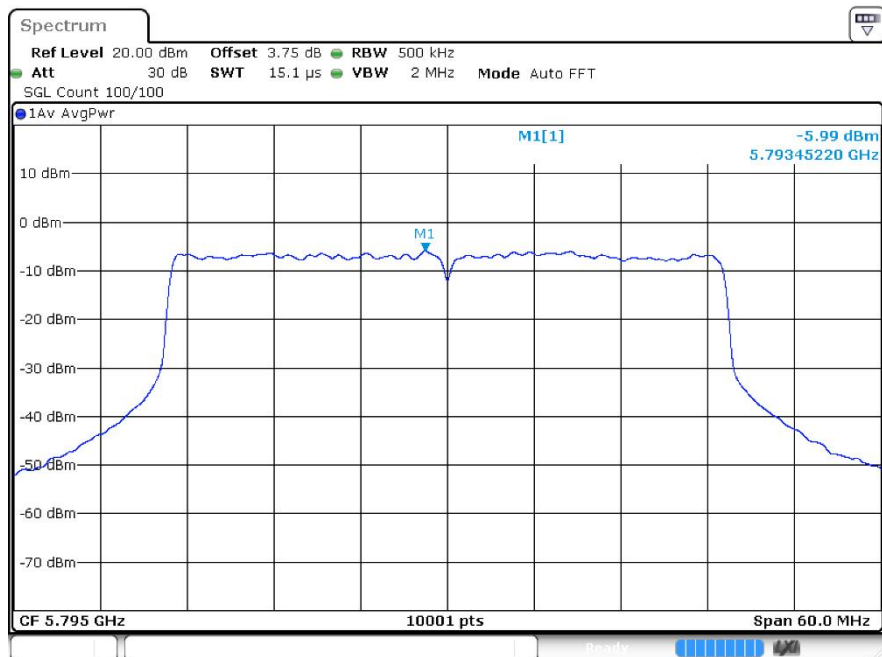
PSD ax20 5825MHz Ant1



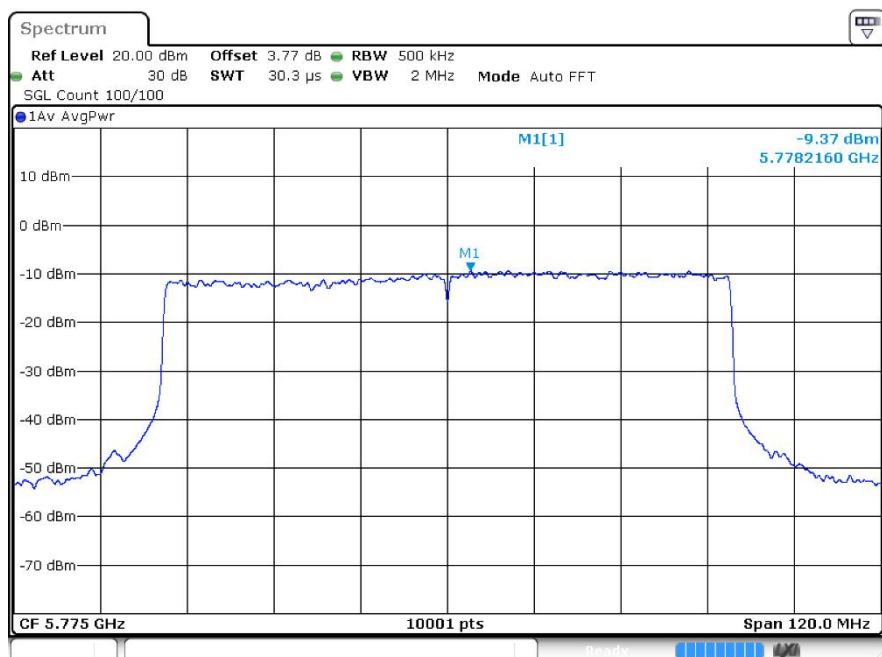
PSD ax40 5755MHz Ant1



PSD ax40 5795MHz Ant1



PSD ax80 5775MHz 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 10.2V	a	5745	Ant1	5745.04	40000	6.96	25	Pass
20C 12V	a	5745	Ant1	5745	0	0	25	Pass
20C 13.8V	a	5745	Ant1	5745	0	0	25	Pass
-20C 12V	a	5745	Ant1	5745.02	20000	3.48	25	Pass
-10C 12V	a	5745	Ant1	5745	0	0	25	Pass
0C 12V	a	5745	Ant1	5745	0	0	25	Pass
10C 12V	a	5745	Ant1	5745.02	20000	3.48	25	Pass
30C 12V	a	5745	Ant1	5745.02	20000	3.48	25	Pass
40C 12V	a	5745	Ant1	5745	0	0	25	Pass
50C 12V	a	5745	Ant1	5745	0	0	25	Pass
20C 10.2V	a	5785	Ant1	5785.02	20000	3.46	25	Pass
20C 12V	a	5785	Ant1	5785.02	20000	3.46	25	Pass
20C 13.8V	a	5785	Ant1	5785.02	20000	3.46	25	Pass
-20C 12V	a	5785	Ant1	5785.02	20000	3.46	25	Pass
-10C 12V	a	5785	Ant1	5785.02	20000	3.46	25	Pass
0C 12V	a	5785	Ant1	5785	0	0	25	Pass
10C 12V	a	5785	Ant1	5785	0	0	25	Pass
30C 12V	a	5785	Ant1	5785.02	20000	3.46	25	Pass
40C 12V	a	5785	Ant1	5785	0	0	25	Pass
50C 12V	a	5785	Ant1	5785	0	0	25	Pass
20C 10.2V	a	5825	Ant1	5824.98	-20000	-3.43	25	Pass
20C 12V	a	5825	Ant1	5825	0	0	25	Pass
20C 13.8V	a	5825	Ant1	5825	0	0	25	Pass
-20C 12V	a	5825	Ant1	5825	0	0	25	Pass
-10C 12V	a	5825	Ant1	5825	0	0	25	Pass
0C 12V	a	5825	Ant1	5825	0	0	25	Pass
10C 12V	a	5825	Ant1	5825.02	20000	3.43	25	Pass
30C 12V	a	5825	Ant1	5825	0	0	25	Pass
40C 12V	a	5825	Ant1	5825	0	0	25	Pass
50C 12V	a	5825	Ant1	5825.02	20000	3.43	25	Pass
20C 10.2V	n20	5745	Ant1	5745.02	20000	3.48	25	Pass
20C 12V	n20	5745	Ant1	5745.02	20000	3.48	25	Pass
20C 13.8V	n20	5745	Ant1	5745	0	0	25	Pass
-20C 12V	n20	5745	Ant1	5745.02	20000	3.48	25	Pass



-10C 12V	n20	5745	Ant1	5745	0	0	25	Pass
0C 12V	n20	5745	Ant1	5745	0	0	25	Pass
10C 12V	n20	5745	Ant1	5745	0	0	25	Pass
30C 12V	n20	5745	Ant1	5745	0	0	25	Pass
40C 12V	n20	5745	Ant1	5745.02	20000	3.48	25	Pass
50C 12V	n20	5745	Ant1	5745	0	0	25	Pass
20C 10.2V	n20	5785	Ant1	5785.02	20000	3.46	25	Pass
20C 12V	n20	5785	Ant1	5785.02	20000	3.46	25	Pass
20C 13.8V	n20	5785	Ant1	5785.02	20000	3.46	25	Pass
-20C 12V	n20	5785	Ant1	5785.02	20000	3.46	25	Pass
-10C 12V	n20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
0C 12V	n20	5785	Ant1	5785	0	0	25	Pass
10C 12V	n20	5785	Ant1	5785.02	20000	3.46	25	Pass
30C 12V	n20	5785	Ant1	5785	0	0	25	Pass
40C 12V	n20	5785	Ant1	5785	0	0	25	Pass
50C 12V	n20	5785	Ant1	5785.02	20000	3.46	25	Pass
20C 10.2V	n20	5825	Ant1	5825.02	20000	3.43	25	Pass
20C 12V	n20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
20C 13.8V	n20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
-20C 12V	n20	5825	Ant1	5825.02	20000	3.43	25	Pass
-10C 12V	n20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
0C 12V	n20	5825	Ant1	5825.02	20000	3.43	25	Pass
10C 12V	n20	5825	Ant1	5825.02	20000	3.43	25	Pass
30C 12V	n20	5825	Ant1	5825.02	20000	3.43	25	Pass
40C 12V	n20	5825	Ant1	5825	0	0	25	Pass
50C 12V	n20	5825	Ant1	5825.02	20000	3.43	25	Pass
20C 10.2V	n40	5755	Ant1	5755.04	40000	6.95	25	Pass
20C 12V	n40	5755	Ant1	5755	0	0	25	Pass
20C 13.8V	n40	5755	Ant1	5755	0	0	25	Pass
-20C 12V	n40	5755	Ant1	5755.04	40000	6.95	25	Pass
-10C 12V	n40	5755	Ant1	5755.04	40000	6.95	25	Pass
0C 12V	n40	5755	Ant1	5755.04	40000	6.95	25	Pass
10C 12V	n40	5755	Ant1	5755.04	40000	6.95	25	Pass
30C 12V	n40	5755	Ant1	5755.04	40000	6.95	25	Pass
40C 12V	n40	5755	Ant1	5755	0	0	25	Pass
50C 12V	n40	5755	Ant1	5755.04	40000	6.95	25	Pass
20C 10.2V	n40	5795	Ant1	5795.04	40000	6.9	25	Pass
20C 12V	n40	5795	Ant1	5795	0	0	25	Pass
20C 13.8V	n40	5795	Ant1	5795	0	0	25	Pass
-20C 12V	n40	5795	Ant1	5795.04	40000	6.9	25	Pass
-10C 12V	n40	5795	Ant1	5795	0	0	25	Pass
0C 12V	n40	5795	Ant1	5795.04	40000	6.9	25	Pass
10C 12V	n40	5795	Ant1	5795.04	40000	6.9	25	Pass



30C 12V	n40	5795	Ant1	5795	0	0	25	Pass
40C 12V	n40	5795	Ant1	5795.04	40000	6.9	25	Pass
50C 12V	n40	5795	Ant1	5795.04	40000	6.9	25	Pass
20C 10.2V	ac20	5745	Ant1	5745.02	20000	3.48	25	Pass
20C 12V	ac20	5745	Ant1	5745.02	20000	3.48	25	Pass
20C 13.8V	ac20	5745	Ant1	5745.02	20000	3.48	25	Pass
-20C 12V	ac20	5745	Ant1	5745	0	0	25	Pass
-10C 12V	ac20	5745	Ant1	5745	0	0	25	Pass
0C 12V	ac20	5745	Ant1	5745.02	20000	3.48	25	Pass
10C 12V	ac20	5745	Ant1	5745	0	0	25	Pass
30C 12V	ac20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
40C 12V	ac20	5745	Ant1	5745.02	20000	3.48	25	Pass
50C 12V	ac20	5745	Ant1	5745	0	0	25	Pass
20C 10.2V	ac20	5785	Ant1	5785.02	20000	3.46	25	Pass
20C 12V	ac20	5785	Ant1	5785.02	20000	3.46	25	Pass
20C 13.8V	ac20	5785	Ant1	5785.02	20000	3.46	25	Pass
-20C 12V	ac20	5785	Ant1	5785	0	0	25	Pass
-10C 12V	ac20	5785	Ant1	5785.02	20000	3.46	25	Pass
0C 12V	ac20	5785	Ant1	5785	0	0	25	Pass
10C 12V	ac20	5785	Ant1	5785	0	0	25	Pass
30C 12V	ac20	5785	Ant1	5785.02	20000	3.46	25	Pass
40C 12V	ac20	5785	Ant1	5785.02	20000	3.46	25	Pass
50C 12V	ac20	5785	Ant1	5785.02	20000	3.46	25	Pass
20C 10.2V	ac20	5825	Ant1	5825	0	0	25	Pass
20C 12V	ac20	5825	Ant1	5825.02	20000	3.43	25	Pass
20C 13.8V	ac20	5825	Ant1	5825.02	20000	3.43	25	Pass
-20C 12V	ac20	5825	Ant1	5825	0	0	25	Pass
-10C 12V	ac20	5825	Ant1	5825	0	0	25	Pass
0C 12V	ac20	5825	Ant1	5825	0	0	25	Pass
10C 12V	ac20	5825	Ant1	5825.02	20000	3.43	25	Pass
30C 12V	ac20	5825	Ant1	5825.02	20000	3.43	25	Pass
40C 12V	ac20	5825	Ant1	5825.02	20000	3.43	25	Pass
50C 12V	ac20	5825	Ant1	5825	0	0	25	Pass
20C 10.2V	ac40	5755	Ant1	5755.04	40000	6.95	25	Pass
20C 12V	ac40	5755	Ant1	5755	0	0	25	Pass
20C 13.8V	ac40	5755	Ant1	5755	0	0	25	Pass
-20C 12V	ac40	5755	Ant1	5755	0	0	25	Pass
-10C 12V	ac40	5755	Ant1	5755.04	40000	6.95	25	Pass
0C 12V	ac40	5755	Ant1	5755.04	40000	6.95	25	Pass
10C 12V	ac40	5755	Ant1	5755.04	40000	6.95	25	Pass
30C 12V	ac40	5755	Ant1	5755.04	40000	6.95	25	Pass
40C 12V	ac40	5755	Ant1	5755.04	40000	6.95	25	Pass
50C 12V	ac40	5755	Ant1	5755	0	0	25	Pass



20C 10.2V	ac40	5795	Ant1	5795.04	40000	6.9	25	Pass
20C 12V	ac40	5795	Ant1	5795	0	0	25	Pass
20C 13.8V	ac40	5795	Ant1	5795.04	40000	6.9	25	Pass
-20C 12V	ac40	5795	Ant1	5795	0	0	25	Pass
-10C 12V	ac40	5795	Ant1	5795	0	0	25	Pass
0C 12V	ac40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
10C 12V	ac40	5795	Ant1	5795	0	0	25	Pass
30C 12V	ac40	5795	Ant1	5795.04	40000	6.9	25	Pass
40C 12V	ac40	5795	Ant1	5795	0	0	25	Pass
50C 12V	ac40	5795	Ant1	5795.04	40000	6.9	25	Pass
20C 10.2V	ac80	5775	Ant1	5775	0	0	25	Pass
20C 12V	ac80	5775	Ant1	5775.08	80000	13.85	25	Pass
20C 13.8V	ac80	5775	Ant1	5775	0	0	25	Pass
-20C 12V	ac80	5775	Ant1	5775	0	0	25	Pass
-10C 12V	ac80	5775	Ant1	5775	0	0	25	Pass
0C 12V	ac80	5775	Ant1	5775	0	0	25	Pass
10C 12V	ac80	5775	Ant1	5775	0	0	25	Pass
30C 12V	ac80	5775	Ant1	5775	0	0	25	Pass
40C 12V	ac80	5775	Ant1	5775.08	80000	13.85	25	Pass
50C 12V	ac80	5775	Ant1	5775.08	80000	13.85	25	Pass
20C 10.2V	ax20	5745	Ant1	5745	0	0	25	Pass
20C 12V	ax20	5745	Ant1	5745.02	20000	3.48	25	Pass
20C 13.8V	ax20	5745	Ant1	5745.02	20000	3.48	25	Pass
-20C 12V	ax20	5745	Ant1	5745.02	20000	3.48	25	Pass
-10C 12V	ax20	5745	Ant1	5745.02	20000	3.48	25	Pass
0C 12V	ax20	5745	Ant1	5745.02	20000	3.48	25	Pass
10C 12V	ax20	5745	Ant1	5745.02	20000	3.48	25	Pass
30C 12V	ax20	5745	Ant1	5745.02	20000	3.48	25	Pass
40C 12V	ax20	5745	Ant1	5745.02	20000	3.48	25	Pass
50C 12V	ax20	5745	Ant1	5745.02	20000	3.48	25	Pass
20C 10.2V	ax20	5785	Ant1	5785	0	0	25	Pass
20C 12V	ax20	5785	Ant1	5785.02	20000	3.46	25	Pass
20C 13.8V	ax20	5785	Ant1	5785.02	20000	3.46	25	Pass
-20C 12V	ax20	5785	Ant1	5785.02	20000	3.46	25	Pass
-10C 12V	ax20	5785	Ant1	5785.02	20000	3.46	25	Pass
0C 12V	ax20	5785	Ant1	5785.02	20000	3.46	25	Pass
10C 12V	ax20	5785	Ant1	5785.02	20000	3.46	25	Pass
30C 12V	ax20	5785	Ant1	5785.02	20000	3.46	25	Pass
40C 12V	ax20	5785	Ant1	5785.02	20000	3.46	25	Pass
50C 12V	ax20	5785	Ant1	5785	0	0	25	Pass
20C 10.2V	ax20	5825	Ant1	5825.02	20000	3.43	25	Pass
20C 12V	ax20	5825	Ant1	5825.02	20000	3.43	25	Pass
20C 13.8V	ax20	5825	Ant1	5825.02	20000	3.43	25	Pass



-20C 12V	ax20	5825	Ant1	5825.02	20000	3.43	25	Pass
-10C 12V	ax20	5825	Ant1	5825.02	20000	3.43	25	Pass
0C 12V	ax20	5825	Ant1	5825.02	20000	3.43	25	Pass
10C 12V	ax20	5825	Ant1	5825	0	0	25	Pass
30C 12V	ax20	5825	Ant1	5825.02	20000	3.43	25	Pass
40C 12V	ax20	5825	Ant1	5825	0	0	25	Pass
50C 12V	ax20	5825	Ant1	5825.02	20000	3.43	25	Pass
20C 10.2V	ax40	5755	Ant1	5755	0	0	25	Pass
20C 12V	ax40	5755	Ant1	5755	0	0	25	Pass
20C 13.8V	ax40	5755	Ant1	5755	0	0	25	Pass
-20C 12V	ax40	5755	Ant1	5755	0	0	25	Pass
-10C 12V	ax40	5755	Ant1	5755	0	0	25	Pass
0C 12V	ax40	5755	Ant1	5755	0	0	25	Pass
10C 12V	ax40	5755	Ant1	5755	0	0	25	Pass
30C 12V	ax40	5755	Ant1	5755	0	0	25	Pass
40C 12V	ax40	5755	Ant1	5755	0	0	25	Pass
50C 12V	ax40	5755	Ant1	5755	0	0	25	Pass
20C 10.2V	ax40	5795	Ant1	5795	0	0	25	Pass
20C 12V	ax40	5795	Ant1	5795	0	0	25	Pass
20C 13.8V	ax40	5795	Ant1	5795	0	0	25	Pass
-20C 12V	ax40	5795	Ant1	5795	0	0	25	Pass
-10C 12V	ax40	5795	Ant1	5795	0	0	25	Pass
0C 12V	ax40	5795	Ant1	5795	0	0	25	Pass
10C 12V	ax40	5795	Ant1	5795	0	0	25	Pass
30C 12V	ax40	5795	Ant1	5795	0	0	25	Pass
40C 12V	ax40	5795	Ant1	5795	0	0	25	Pass
50C 12V	ax40	5795	Ant1	5795	0	0	25	Pass
20C 10.2V	ax80	5775	Ant1	5775.08	80000	13.85	25	Pass
20C 12V	ax80	5775	Ant1	5775	0	0	25	Pass
20C 13.8V	ax80	5775	Ant1	5775	0	0	25	Pass
-20C 12V	ax80	5775	Ant1	5775	0	0	25	Pass
-10C 12V	ax80	5775	Ant1	5775	0	0	25	Pass
0C 12V	ax80	5775	Ant1	5775	0	0	25	Pass
10C 12V	ax80	5775	Ant1	5775	0	0	25	Pass
30C 12V	ax80	5775	Ant1	5775	0	0	25	Pass
40C 12V	ax80	5775	Ant1	5775.08	80000	13.85	25	Pass
50C 12V	ax80	5775	Ant1	5775	0	0	25	Pass

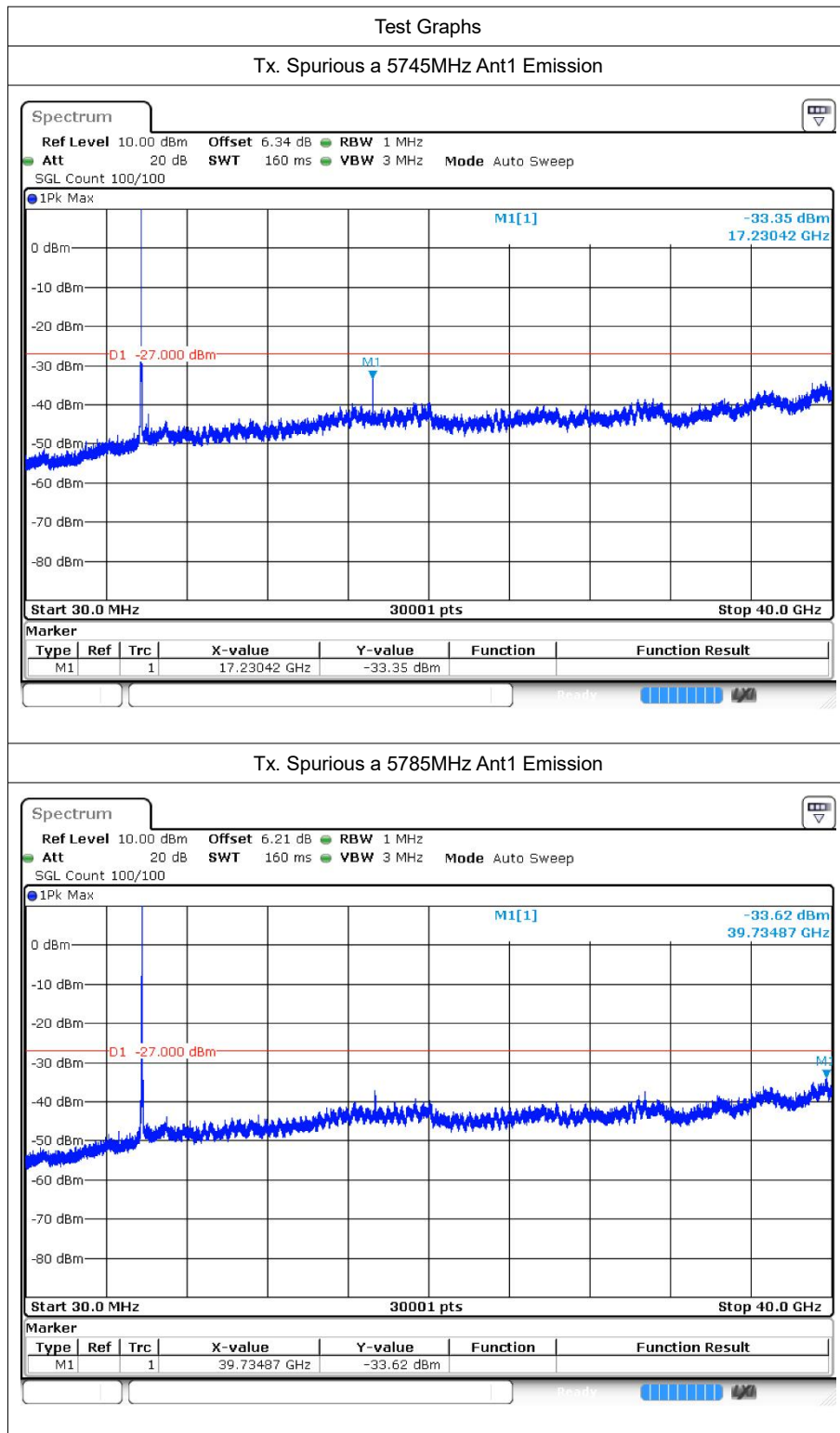


7 Conducted RF Spurious Emission

7.1 Test Result

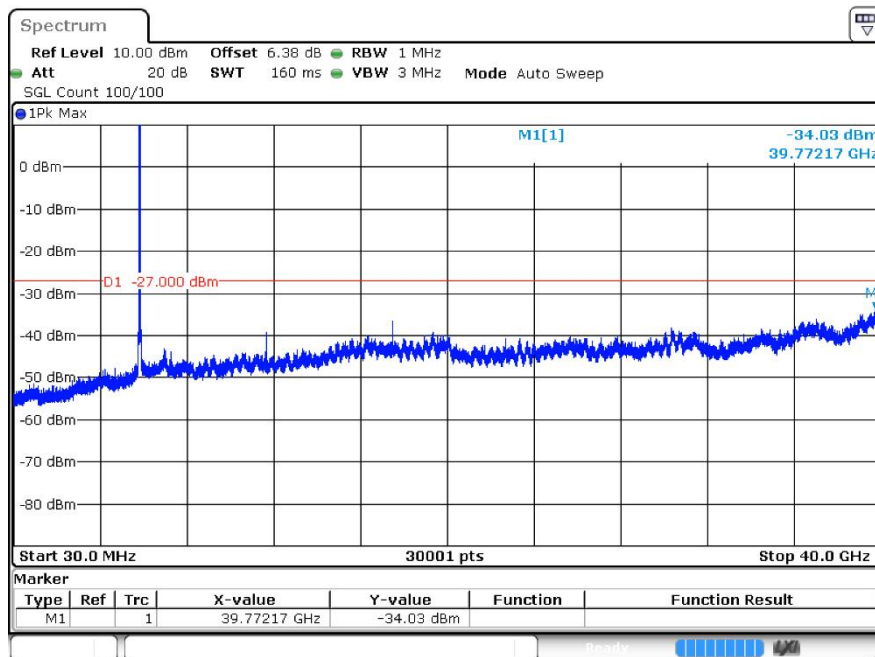
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
a	5745	Ant1	-33.34	-27	Pass
a	5785	Ant1	-33.62	-27	Pass
a	5825	Ant1	-34.03	-27	Pass
n20	5745	Ant1	-34.25	-27	Pass
n20	5785	Ant1	-34.52	-27	Pass
n20	5825	Ant1	-34.6	-27	Pass
n40	5755	Ant1	-34.58	-27	Pass
n40	5795	Ant1	-34.42	-27	Pass
ac20	5745	Ant1	-34.47	-27	Pass
ac20	5785	Ant1	-35.06	-27	Pass
ac20	5825	Ant1	-33.97	-27	Pass
ac40	5755	Ant1	-34.17	-27	Pass
ac40	5795	Ant1	-34.21	-27	Pass
ac80	5775	Ant1	-34.14	-27	Pass
ax20	5745	Ant1	-33.28	-27	Pass
ax20	5785	Ant1	-34.66	-27	Pass
ax20	5825	Ant1	-34.5	-27	Pass
ax40	5755	Ant1	-33.63	-27	Pass
ax40	5795	Ant1	-34.34	-27	Pass
ax80	5775	Ant1	-34.78	-27	Pass

7.2 Test Graphs

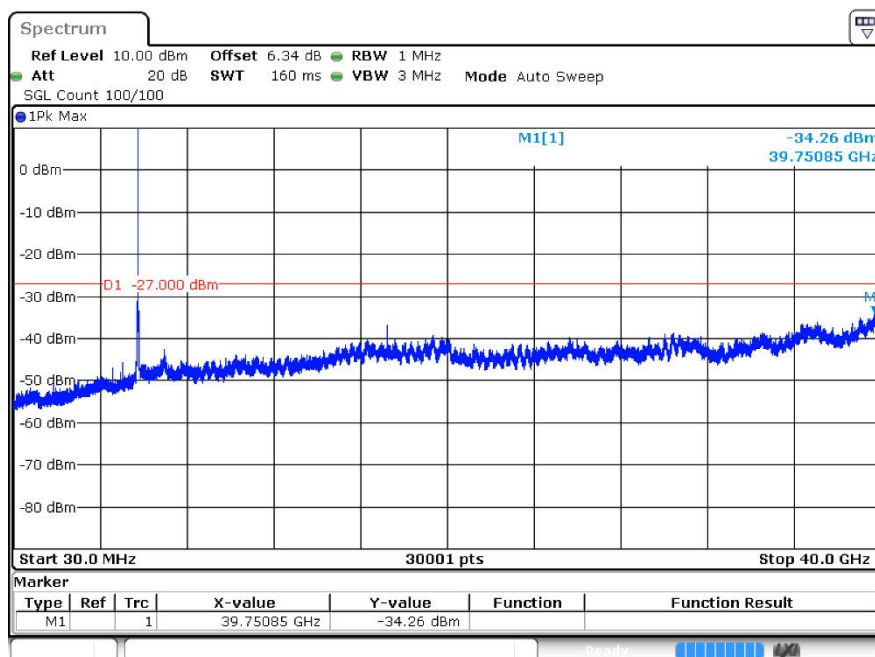




Tx. Spurious a 5825MHz Ant1 Emission

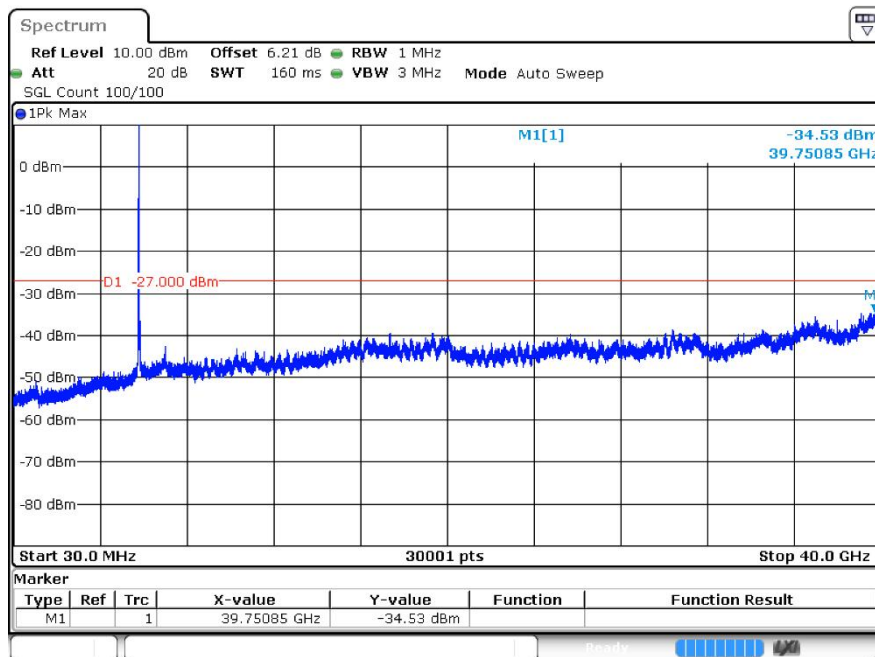


Tx. Spurious n20 5745MHz Ant1 Emission

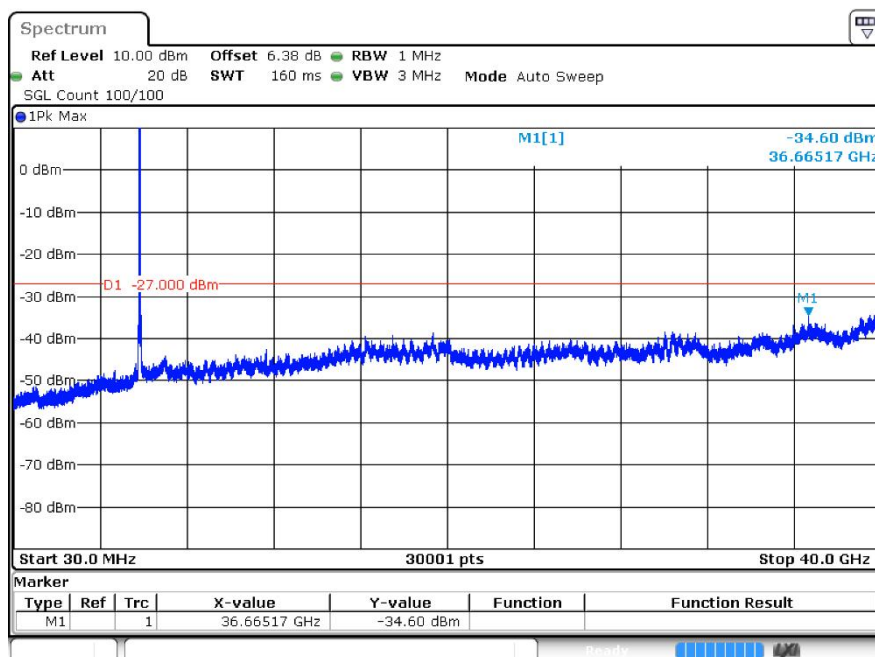




Tx. Spurious n20 5785MHz Ant1 Emission

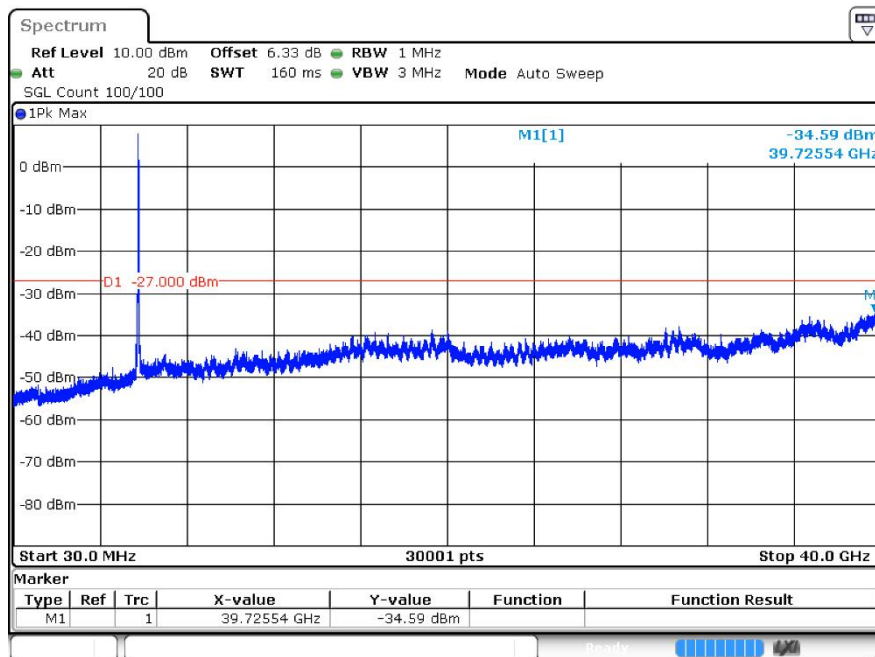


Tx. Spurious n20 5825MHz Ant1 Emission

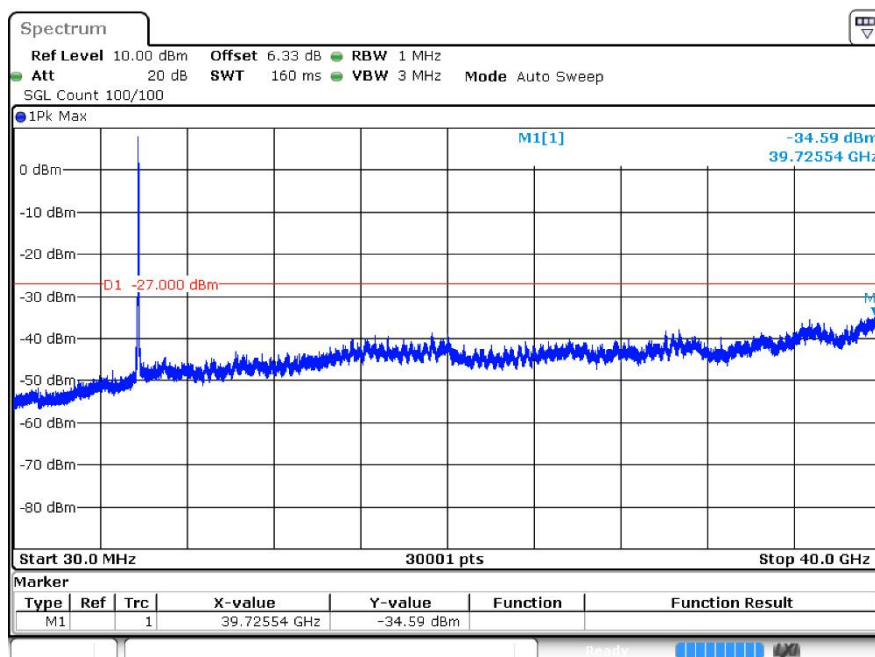




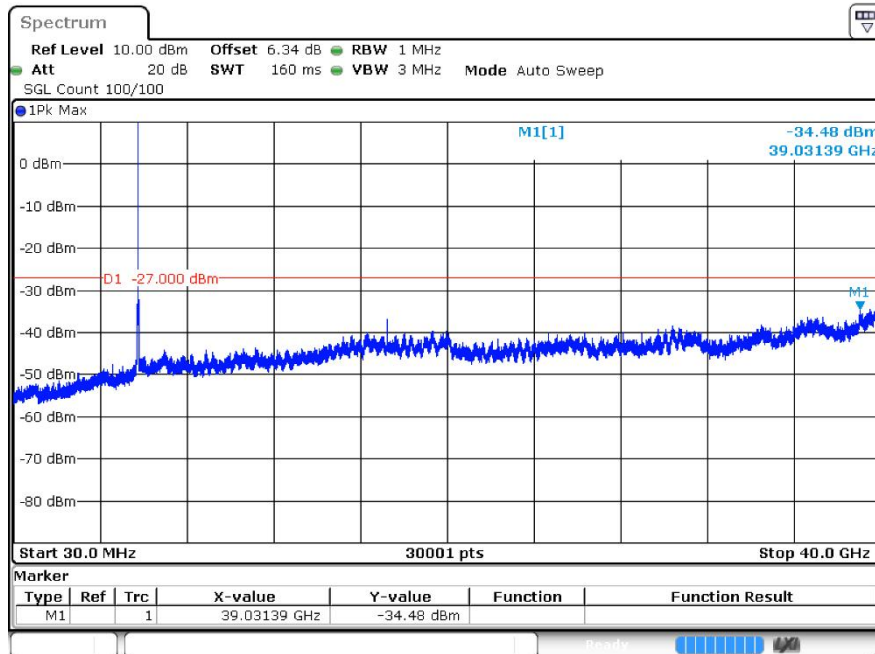
Tx. Spurious n40 5755MHz Ant1 Emission



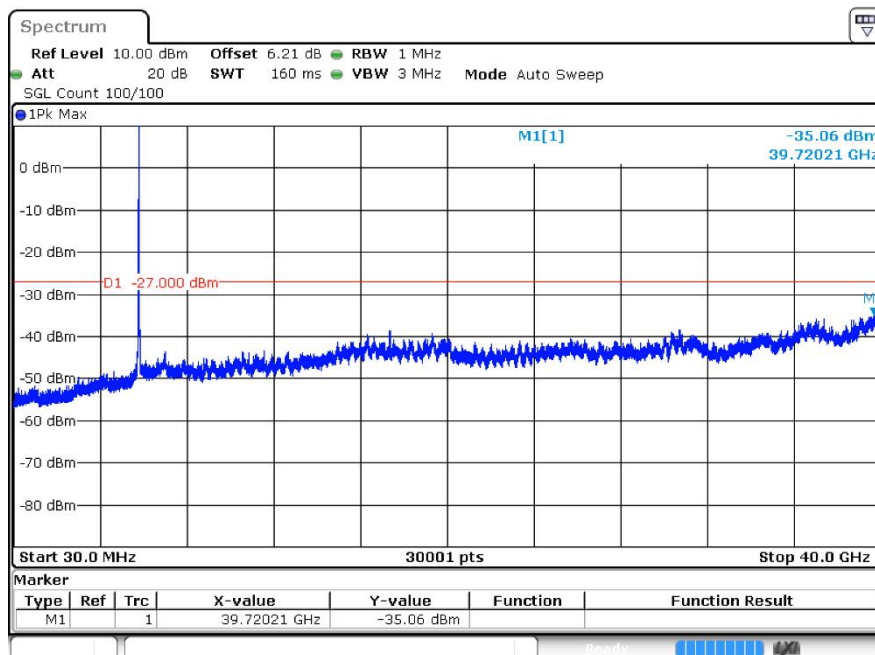
Tx. Spurious n40 5795MHz Ant1 Emission



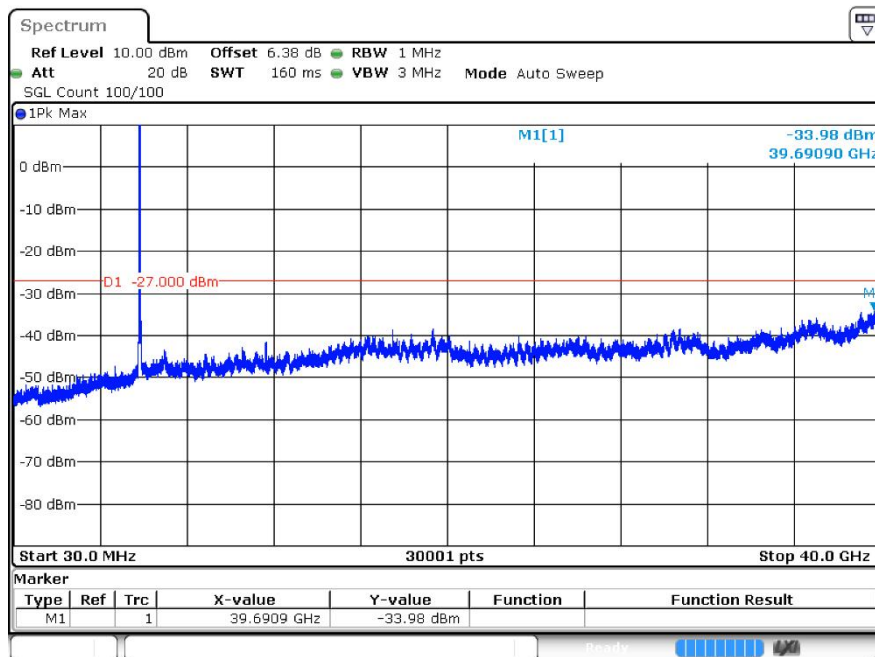
Tx. Spurious ac20 5745MHz Ant1 Emission



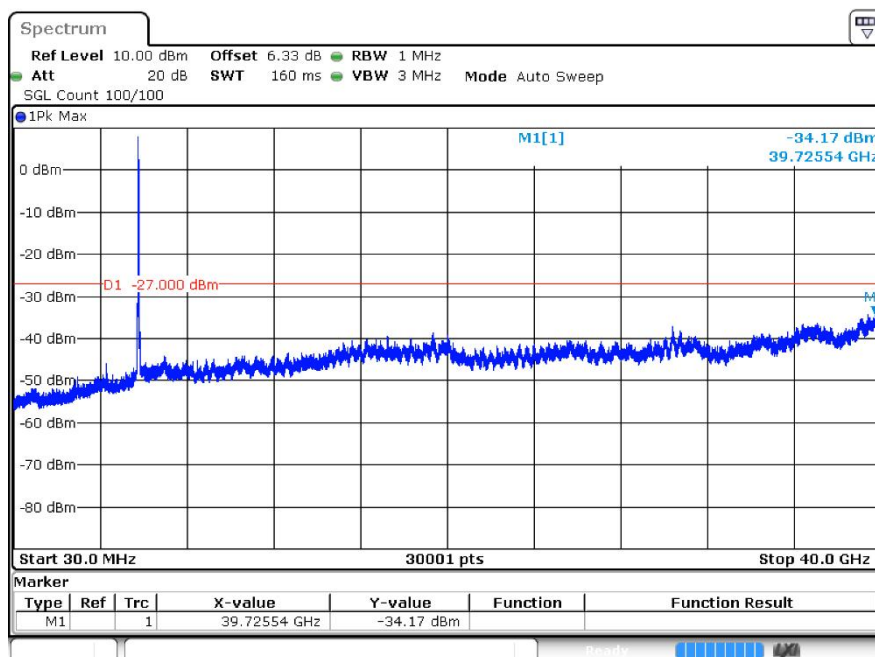
Tx. Spurious ac20 5785MHz Ant1 Emission



Tx. Spurious ac20 5825MHz Ant1 Emission

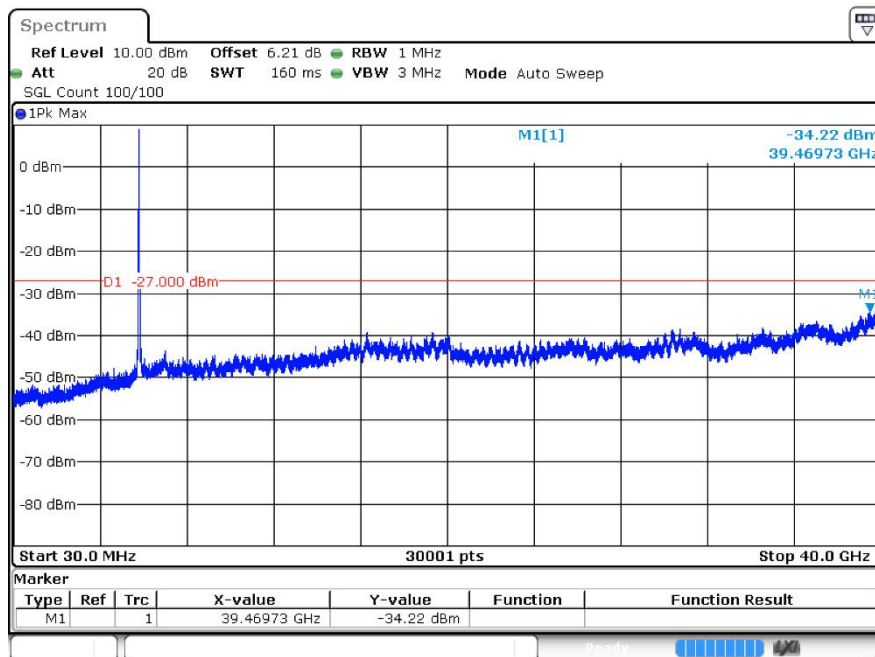


Tx. Spurious ac40 5755MHz Ant1 Emission

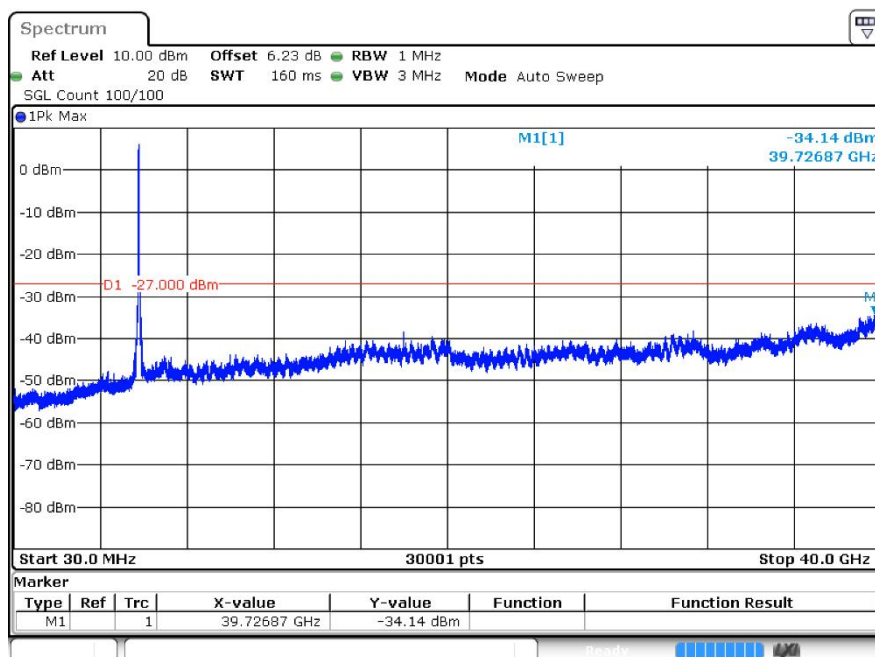




Tx. Spurious ac40 5795MHz Ant1 Emission

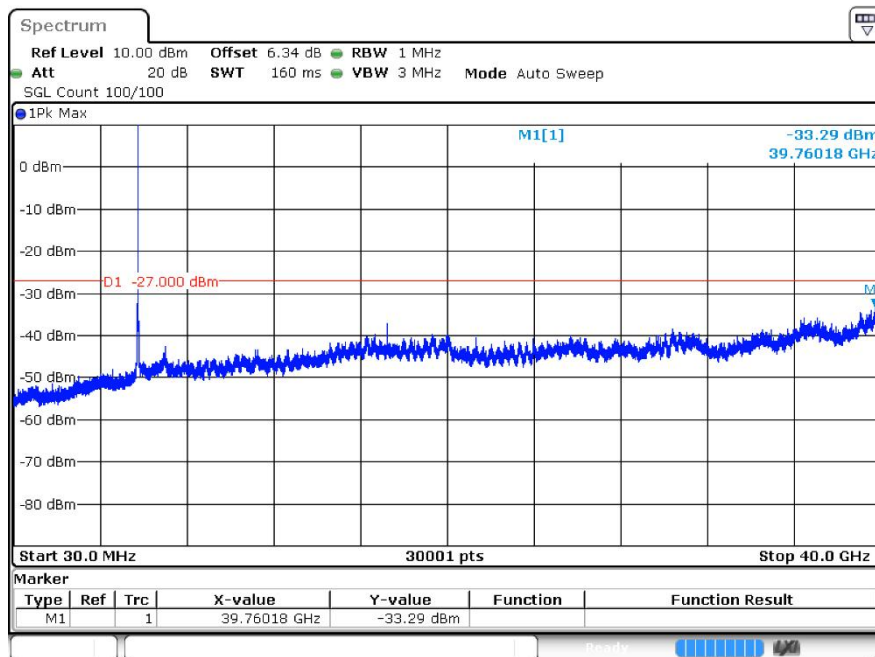


Tx. Spurious ac80 5775MHz Ant1 Emission

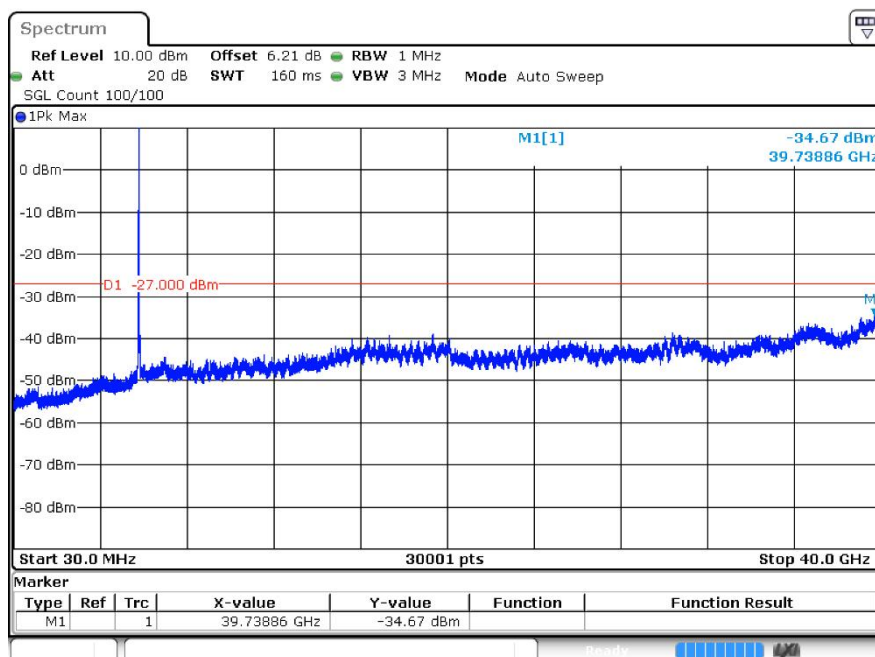




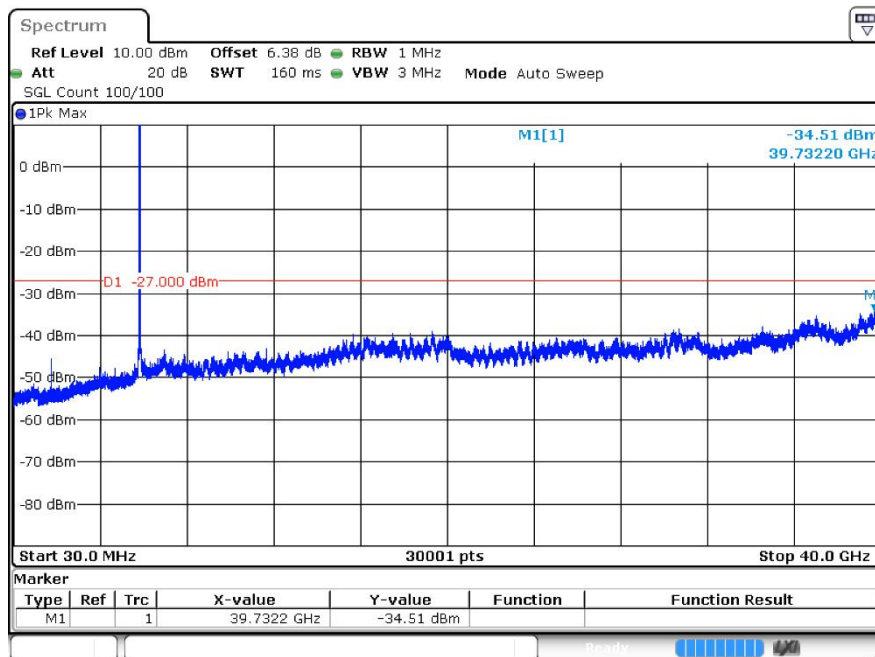
Tx. Spurious ax20 5745MHz Ant1 Emission



Tx. Spurious ax20 5785MHz Ant1 Emission



Tx. Spurious ax20 5825MHz Ant1 Emission



Tx. Spurious ax40 5755MHz Ant1 Emission

