



6 Frequency Stability

6.1 Test Result

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 102V	a	5180	Ant1	5179.94	-60000	-11.58	25	Pass
20C 120V	a	5180	Ant1	5179.94	-60000	-11.58	25	Pass
20C 138V	a	5180	Ant1	5179.94	-60000	-11.58	25	Pass
-20C 120V	a	5180	Ant1	5179.96	-40000	-7.72	25	Pass
-10C 120V	a	5180	Ant1	5179.94	-60000	-11.58	25	Pass
0C 120V	a	5180	Ant1	5179.92	-80000	-15.44	25	Pass
10C 120V	a	5180	Ant1	5179.94	-60000	-11.58	25	Pass
30C 120V	a	5180	Ant1	5179.96	-40000	-7.72	25	Pass
40C 120V	a	5180	Ant1	5179.94	-60000	-11.58	25	Pass
50C 120V	a	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 102V	a	5200	Ant1	5199.94	-60000	-11.54	25	Pass
20C 120V	a	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 138V	a	5200	Ant1	5199.96	-40000	-7.69	25	Pass
-20C 120V	a	5200	Ant1	5199.94	-60000	-11.54	25	Pass
-10C 120V	a	5200	Ant1	5199.96	-40000	-7.69	25	Pass
0C 120V	a	5200	Ant1	5199.96	-40000	-7.69	25	Pass
10C 120V	a	5200	Ant1	5199.96	-40000	-7.69	25	Pass
30C 120V	a	5200	Ant1	5199.92	-80000	-15.38	25	Pass
40C 120V	a	5200	Ant1	5199.94	-60000	-11.54	25	Pass
20C 102V	a	5200	Ant1	5199.94	-60000	-11.54	25	Pass
20C 102V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 120V	a	5240	Ant1	5239.94	-60000	-11.45	25	Pass
20C 138V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-20C 120V	a	5240	Ant1	5239.94	-60000	-11.45	25	Pass
-10C 120V	a	5240	Ant1	5239.94	-60000	-11.45	25	Pass
0C 120V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
10C 120V	a	5240	Ant1	5239.94	-60000	-11.45	25	Pass
30C 120V	a	5240	Ant1	5239.94	-60000	-11.45	25	Pass
40C 120V	a	5240	Ant1	5239.92	-80000	-15.27	25	Pass
50C 120V	a	5240	Ant1	5239.94	-60000	-11.45	25	Pass
20C 102V	n20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
20C 120V	n20	5180	Ant1	5179.92	-80000	-15.44	25	Pass
20C 138V	n20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
-20C 120V	n20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
-10C 120V	n20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
0C 120V	n20	5180	Ant1	5179.94	-60000	-11.58	25	Pass



10C 120V	n20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
30C 120V	n20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
40C 120V	n20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
50C 120V	n20	5180	Ant1	5179.92	-80000	-15.44	25	Pass
20C 102V	n20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 120V	n20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 138V	n20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
-20C 120V	n20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
-10C 120V	n20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
0C 120V	n20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
10C 120V	n20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
30C 120V	n20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
40C 120V	n20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
50C 120V	n20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 102V	n20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
20C 120V	n20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
20C 138V	n20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
-20C 120V	n20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-10C 120V	n20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
0C 120V	n20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
10C 120V	n20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
30C 120V	n20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
40C 120V	n20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
50C 120V	n20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 102V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 138V	n40	5190	Ant1	5190	0	0	25	Pass
-20C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
-10C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
0C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
10C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
30C 120V	n40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
40C 120V	n40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
50C 120V	n40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
20C 102V	n40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
20C 120V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 138V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
-20C 120V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
-10C 120V	n40	5230	Ant1	5230	0	0	25	Pass
0C 120V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
10C 120V	n40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
30C 120V	n40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
40C 120V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass



50C 120V	n40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
20C 102V	ac20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 120V	ac20	5180	Ant1	5179.92	-80000	-15.44	25	Pass
20C 138V	ac20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
-20C 120V	ac20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
-10C 120V	ac20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
0C 120V	ac20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
10C 120V	ac20	5180	Ant1	5179.92	-80000	-15.44	25	Pass
30C 120V	ac20	5180	Ant1	5179.92	-80000	-15.44	25	Pass
40C 120V	ac20	5180	Ant1	5179.92	-80000	-15.44	25	Pass
50C 120V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 102V	ac20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 120V	ac20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 138V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
-20C 120V	ac20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
-10C 120V	ac20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
0C 120V	ac20	5200	Ant1	5200	0	0	25	Pass
10C 120V	ac20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
30C 120V	ac20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
40C 120V	ac20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
50C 120V	ac20	5200	Ant1	5199.92	-80000	-15.38	25	Pass
20C 102V	ac20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
20C 120V	ac20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
20C 138V	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-20C 120V	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-10C 120V	ac20	5240	Ant1	5239.92	-80000	-15.27	25	Pass
0C 120V	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
10C 120V	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
30C 120V	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
40C 120V	ac20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
50C 120V	ac20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
20C 102V	ac40	5190	Ant1	5190	0	0	25	Pass
20C 120V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 138V	ac40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
-20C 120V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
-10C 120V	ac40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
0C 120V	ac40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
10C 120V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
30C 120V	ac40	5190	Ant1	5190	0	0	25	Pass
40C 120V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
50C 120V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 102V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 120V	ac40	5230	Ant1	5230	0	0	25	Pass



20C 138V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
-20C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
-10C 120V	ac40	5230	Ant1	5230	0	0	25	Pass
0C 120V	ac40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
10C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
30C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
40C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
50C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 102V	ac80	5210	Ant1	5210	0	0	25	Pass
20C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
20C 138V	ac80	5210	Ant1	5210.16	160000	30.71	25	Pass
-20C 120V	ac80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
-10C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
0C 120V	ac80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
10C 120V	ac80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
30C 120V	ac80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
40C 120V	ac80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
50C 120V	ac80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
20C 102V	ax20	5180	Ant1	5179.92	-80000	-15.44	25	Pass
20C 120V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 138V	ax20	5180	Ant1	5180.02	20000	3.86	25	Pass
-20C 120V	ax20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
-10C 120V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
0C 120V	ax20	5180	Ant1	5179.92	-80000	-15.44	25	Pass
10C 120V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
30C 120V	ax20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
40C 120V	ax20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
50C 120V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 102V	ax20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 120V	ax20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
20C 138V	ax20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
-20C 120V	ax20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
-10C 120V	ax20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
0C 120V	ax20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
10C 120V	ax20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
30C 120V	ax20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
40C 120V	ax20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
50C 120V	ax20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 102V	ax20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
20C 120V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 138V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-20C 120V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-10C 120V	ax20	5240	Ant1	5239.92	-80000	-15.27	25	Pass



0C 120V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
10C 120V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
30C 120V	ax20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
40C 120V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
50C 120V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 102V	ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 120V	ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 138V	ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
-20C 120V	ax40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
-10C 120V	ax40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
0C 120V	ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
10C 120V	ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
30C 120V	ax40	5190	Ant1	5190	0	0	25	Pass
40C 120V	ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
50C 120V	ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 102V	ax40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 120V	ax40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 138V	ax40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
-20C 120V	ax40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
-10C 120V	ax40	5230	Ant1	5230	0	0	25	Pass
0C 120V	ax40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
10C 120V	ax40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
30C 120V	ax40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
40C 120V	ax40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
50C 120V	ax40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 102V	ax80	5210	Ant1	5209.84	-160000	-30.71	25	Pass
20C 120V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
20C 138V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
-20C 120V	ax80	5210	Ant1	5210	0	0	25	Pass
-10C 120V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
0C 120V	ax80	5210	Ant1	5209.84	-160000	-30.71	25	Pass
10C 120V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
30C 120V	ax80	5210	Ant1	5210	0	0	25	Pass
40C 120V	ax80	5210	Ant1	5209.84	-160000	-30.71	25	Pass
50C 120V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
20C 102V	a	5180	Ant2	5179.92	-80000	-15.44	25	Pass
20C 120V	a	5180	Ant2	5179.94	-60000	-11.58	25	Pass
20C 138V	a	5180	Ant2	5179.94	-60000	-11.58	25	Pass
-20C 120V	a	5180	Ant2	5179.96	-40000	-7.72	25	Pass
-10C 120V	a	5180	Ant2	5179.96	-40000	-7.72	25	Pass
0C 120V	a	5180	Ant2	5179.94	-60000	-11.58	25	Pass
10C 120V	a	5180	Ant2	5179.94	-60000	-11.58	25	Pass
30C 120V	a	5180	Ant2	5179.96	-40000	-7.72	25	Pass



40C 120V	a	5180	Ant2	5179.92	-80000	-15.44	25	Pass
50C 120V	a	5180	Ant2	5179.92	-80000	-15.44	25	Pass
20C 102V	a	5200	Ant2	5199.96	-40000	-7.69	25	Pass
20C 120V	a	5200	Ant2	5199.94	-60000	-11.54	25	Pass
20C 138V	a	5200	Ant2	5199.96	-40000	-7.69	25	Pass
-20C 120V	a	5200	Ant2	5199.94	-60000	-11.54	25	Pass
-10C 120V	a	5200	Ant2	5199.94	-60000	-11.54	25	Pass
0C 120V	a	5200	Ant2	5199.92	-80000	-15.38	25	Pass
10C 120V	a	5200	Ant2	5199.94	-60000	-11.54	25	Pass
30C 120V	a	5200	Ant2	5199.96	-40000	-7.69	25	Pass
40C 120V	a	5200	Ant2	5199.94	-60000	-11.54	25	Pass
20C 102V	a	5200	Ant2	5199.96	-40000	-7.69	25	Pass
20C 102V	a	5240	Ant2	5239.92	-80000	-15.27	25	Pass
20C 120V	a	5240	Ant2	5239.96	-40000	-7.63	25	Pass
20C 138V	a	5240	Ant2	5239.98	-20000	-3.82	25	Pass
-20C 120V	a	5240	Ant2	5239.92	-80000	-15.27	25	Pass
-10C 120V	a	5240	Ant2	5239.96	-40000	-7.63	25	Pass
0C 120V	a	5240	Ant2	5239.94	-60000	-11.45	25	Pass
10C 120V	a	5240	Ant2	5239.96	-40000	-7.63	25	Pass
30C 120V	a	5240	Ant2	5239.94	-60000	-11.45	25	Pass
40C 120V	a	5240	Ant2	5239.92	-80000	-15.27	25	Pass
50C 120V	a	5240	Ant2	5239.94	-60000	-11.45	25	Pass
20C 102V	n20	5180	Ant2	5179.94	-60000	-11.58	25	Pass
20C 120V	n20	5180	Ant2	5179.94	-60000	-11.58	25	Pass
20C 138V	n20	5180	Ant2	5179.94	-60000	-11.58	25	Pass
-20C 120V	n20	5180	Ant2	5179.94	-60000	-11.58	25	Pass
-10C 120V	n20	5180	Ant2	5179.94	-60000	-11.58	25	Pass
0C 120V	n20	5180	Ant2	5179.92	-80000	-15.44	25	Pass
10C 120V	n20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
30C 120V	n20	5180	Ant2	5179.94	-60000	-11.58	25	Pass
40C 120V	n20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
50C 120V	n20	5180	Ant2	5179.94	-60000	-11.58	25	Pass
20C 102V	n20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
20C 120V	n20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
20C 138V	n20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
-20C 120V	n20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
-10C 120V	n20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
0C 120V	n20	5200	Ant2	5199.94	-60000	-11.54	25	Pass
10C 120V	n20	5200	Ant2	5199.92	-80000	-15.38	25	Pass
30C 120V	n20	5200	Ant2	5199.94	-60000	-11.54	25	Pass
40C 120V	n20	5200	Ant2	5199.94	-60000	-11.54	25	Pass
50C 120V	n20	5200	Ant2	5199.94	-60000	-11.54	25	Pass
20C 102V	n20	5240	Ant2	5239.98	-20000	-3.82	25	Pass



20C 120V	n20	5240	Ant2	5239.94	-60000	-11.45	25	Pass
20C 138V	n20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
-20C 120V	n20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
-10C 120V	n20	5240	Ant2	5239.94	-60000	-11.45	25	Pass
0C 120V	n20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
10C 120V	n20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
30C 120V	n20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
40C 120V	n20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
50C 120V	n20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
20C 102V	n40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
20C 120V	n40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
20C 138V	n40	5190	Ant2	5189.92	-80000	-15.41	25	Pass
-20C 120V	n40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
-10C 120V	n40	5190	Ant2	5189.92	-80000	-15.41	25	Pass
0C 120V	n40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
10C 120V	n40	5190	Ant2	5189.92	-80000	-15.41	25	Pass
30C 120V	n40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
40C 120V	n40	5190	Ant2	5189.92	-80000	-15.41	25	Pass
50C 120V	n40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
20C 102V	n40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
20C 120V	n40	5230	Ant2	5229.92	-80000	-15.3	25	Pass
20C 138V	n40	5230	Ant2	5229.92	-80000	-15.3	25	Pass
-20C 120V	n40	5230	Ant2	5229.92	-80000	-15.3	25	Pass
-10C 120V	n40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
0C 120V	n40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
10C 120V	n40	5230	Ant2	5229.92	-80000	-15.3	25	Pass
30C 120V	n40	5230	Ant2	5229.92	-80000	-15.3	25	Pass
40C 120V	n40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
50C 120V	n40	5230	Ant2	5229.92	-80000	-15.3	25	Pass
20C 102V	ac20	5180	Ant2	5179.94	-60000	-11.58	25	Pass
20C 120V	ac20	5180	Ant2	5179.94	-60000	-11.58	25	Pass
20C 138V	ac20	5180	Ant2	5179.94	-60000	-11.58	25	Pass
-20C 120V	ac20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
-10C 120V	ac20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
0C 120V	ac20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
10C 120V	ac20	5180	Ant2	5179.92	-80000	-15.44	25	Pass
30C 120V	ac20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
40C 120V	ac20	5180	Ant2	5179.92	-80000	-15.44	25	Pass
50C 120V	ac20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
20C 102V	ac20	5200	Ant2	5199.94	-60000	-11.54	25	Pass
20C 120V	ac20	5200	Ant2	5199.94	-60000	-11.54	25	Pass
20C 138V	ac20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
-20C 120V	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass



-10C 120V	ac20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
0C 120V	ac20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
10C 120V	ac20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
30C 120V	ac20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
40C 120V	ac20	5200	Ant2	5199.94	-60000	-11.54	25	Pass
50C 120V	ac20	5200	Ant2	5199.94	-60000	-11.54	25	Pass
20C 102V	ac20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
20C 120V	ac20	5240	Ant2	5239.94	-60000	-11.45	25	Pass
20C 138V	ac20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
-20C 120V	ac20	5240	Ant2	5239.94	-60000	-11.45	25	Pass
-10C 120V	ac20	5240	Ant2	5239.94	-60000	-11.45	25	Pass
0C 120V	ac20	5240	Ant2	5239.92	-80000	-15.27	25	Pass
10C 120V	ac20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
30C 120V	ac20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
40C 120V	ac20	5240	Ant2	5239.94	-60000	-11.45	25	Pass
50C 120V	ac20	5240	Ant2	5239.94	-60000	-11.45	25	Pass
20C 102V	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
20C 120V	ac40	5190	Ant2	5189.92	-80000	-15.41	25	Pass
20C 138V	ac40	5190	Ant2	5189.92	-80000	-15.41	25	Pass
-20C 120V	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
-10C 120V	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
0C 120V	ac40	5190	Ant2	5190	0	0	25	Pass
10C 120V	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
30C 120V	ac40	5190	Ant2	5189.92	-80000	-15.41	25	Pass
40C 120V	ac40	5190	Ant2	5189.92	-80000	-15.41	25	Pass
50C 120V	ac40	5190	Ant2	5190	0	0	25	Pass
20C 102V	ac40	5230	Ant2	5230	0	0	25	Pass
20C 120V	ac40	5230	Ant2	5229.92	-80000	-15.3	25	Pass
20C 138V	ac40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
-20C 120V	ac40	5230	Ant2	5229.92	-80000	-15.3	25	Pass
-10C 120V	ac40	5230	Ant2	5230	0	0	25	Pass
0C 120V	ac40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
10C 120V	ac40	5230	Ant2	5229.92	-80000	-15.3	25	Pass
30C 120V	ac40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
40C 120V	ac40	5230	Ant2	5230	0	0	25	Pass
50C 120V	ac40	5230	Ant2	5229.92	-80000	-15.3	25	Pass
20C 102V	ac80	5210	Ant2	5210	0	0	25	Pass
20C 120V	ac80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
20C 138V	ac80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
-20C 120V	ac80	5210	Ant2	5210	0	0	25	Pass
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0C 120V	ac80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
10C 120V	ac80	5210	Ant2	5209.92	-80000	-15.36	25	Pass



30C 120V	ac80	5210	Ant2	5210	0	0	25	Pass
40C 120V	ac80	5210	Ant2	5210	0	0	25	Pass
50C 120V	ac80	5210	Ant2	5210	0	0	25	Pass
20C 102V	ax20	5180	Ant2	5179.92	-80000	-15.44	25	Pass
20C 120V	ax20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
20C 138V	ax20	5180	Ant2	5180	0	0	25	Pass
-20C 120V	ax20	5180	Ant2	5179.94	-60000	-11.58	25	Pass
-10C 120V	ax20	5180	Ant2	5180.06	60000	11.58	25	Pass
0C 120V	ax20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
10C 120V	ax20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
30C 120V	ax20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
40C 120V	ax20	5180	Ant2	5179.94	-60000	-11.58	25	Pass
50C 120V	ax20	5180	Ant2	5179.94	-60000	-11.58	25	Pass
20C 102V	ax20	5200	Ant2	5199.94	-60000	-11.54	25	Pass
20C 120V	ax20	5200	Ant2	5199.94	-60000	-11.54	25	Pass
20C 138V	ax20	5200	Ant2	5199.94	-60000	-11.54	25	Pass
-20C 120V	ax20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
-10C 120V	ax20	5200	Ant2	5199.94	-60000	-11.54	25	Pass
0C 120V	ax20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
10C 120V	ax20	5200	Ant2	5199.94	-60000	-11.54	25	Pass
30C 120V	ax20	5200	Ant2	5199.94	-60000	-11.54	25	Pass
40C 120V	ax20	5200	Ant2	5199.94	-60000	-11.54	25	Pass
50C 120V	ax20	5200	Ant2	5199.94	-60000	-11.54	25	Pass
20C 102V	ax20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
20C 120V	ax20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
20C 138V	ax20	5240	Ant2	5239.92	-80000	-15.27	25	Pass
-20C 120V	ax20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
-10C 120V	ax20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
0C 120V	ax20	5240	Ant2	5239.92	-80000	-15.27	25	Pass
10C 120V	ax20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
30C 120V	ax20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
40C 120V	ax20	5240	Ant2	5239.94	-60000	-11.45	25	Pass
50C 120V	ax20	5240	Ant2	5239.94	-60000	-11.45	25	Pass
20C 102V	ax40	5190	Ant2	5190.04	40000	7.71	25	Pass
20C 120V	ax40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
20C 138V	ax40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
-20C 120V	ax40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
-10C 120V	ax40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
0C 120V	ax40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
10C 120V	ax40	5190	Ant2	5190	0	0	25	Pass
30C 120V	ax40	5190	Ant2	5190	0	0	25	Pass
40C 120V	ax40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
50C 120V	ax40	5190	Ant2	5189.96	-40000	-7.71	25	Pass



20C 102V	ax40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
20C 120V	ax40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
20C 138V	ax40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
-20C 120V	ax40	5230	Ant2	5230	0	0	25	Pass
-10C 120V	ax40	5230	Ant2	5229.88	-120000	-22.94	25	Pass
0C 120V	ax40	5230	Ant2	5229.92	-80000	-15.3	25	Pass
10C 120V	ax40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
30C 120V	ax40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
40C 120V	ax40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
50C 120V	ax40	5230	Ant2	5230	0	0	25	Pass
20C 102V	ax80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
20C 120V	ax80	5210	Ant2	5209.84	-160000	-30.71	25	Pass
20C 138V	ax80	5210	Ant2	5210	0	0	25	Pass
-20C 120V	ax80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
-10C 120V	ax80	5210	Ant2	5210.16	160000	30.71	25	Pass
0C 120V	ax80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
10C 120V	ax80	5210	Ant2	5210	0	0	25	Pass
30C 120V	ax80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
40C 120V	ax80	5210	Ant2	5210	0	0	25	Pass
50C 120V	ax80	5210	Ant2	5210	0	0	25	Pass



7 Conducted RF Spurious Emission

7.1 Test Result

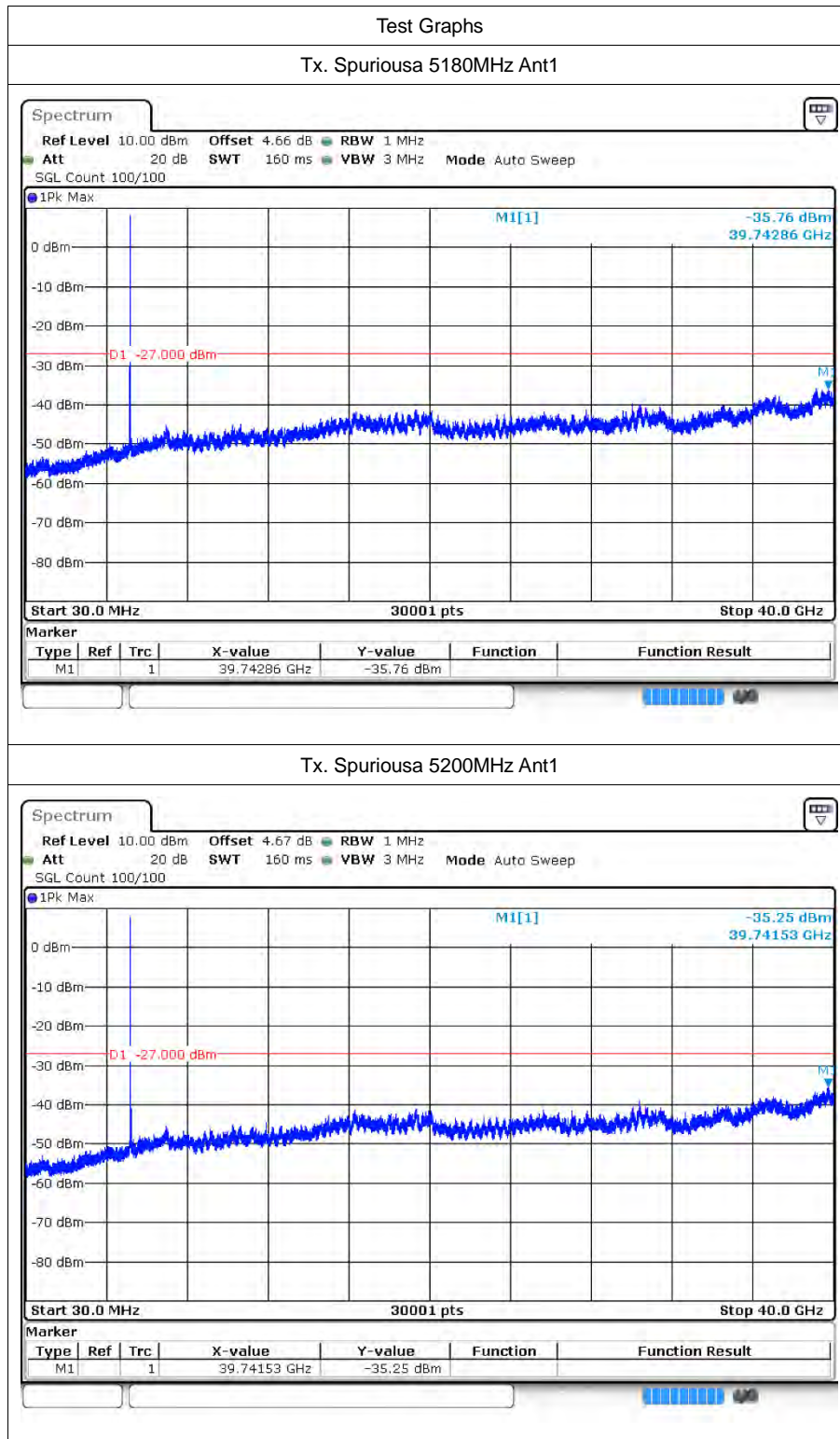
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
a	5180	Ant1	-35.75	-27	Pass
a	5200	Ant1	-35.24	-27	Pass
a	5240	Ant1	-36.1	-27	Pass
n20	5180	Ant1	-35.38	-27	Pass
n20	5200	Ant1	-35.4	-27	Pass
n20	5240	Ant1	-35.87	-27	Pass
n40	5190	Ant1	-35.07	-27	Pass
n40	5230	Ant1	-35.66	-27	Pass
ac20	5180	Ant1	-35.19	-27	Pass
ac20	5200	Ant1	-35.68	-27	Pass
ac20	5240	Ant1	-34.45	-27	Pass
ac40	5190	Ant1	-35.89	-27	Pass
ac40	5230	Ant1	-36.17	-27	Pass
ac80	5210	Ant1	-34.56	-27	Pass
ax20	5180	Ant1	-36.29	-27	Pass
ax20	5200	Ant1	-35.5	-27	Pass
ax20	5240	Ant1	-36.23	-27	Pass
ax40	5190	Ant1	-35.05	-27	Pass
ax40	5230	Ant1	-35.95	-27	Pass
ax80	5210	Ant1	-35.94	-27	Pass
a	5180	Ant2	-36.25	-27	Pass
a	5200	Ant2	-35.83	-27	Pass
a	5240	Ant2	-35.79	-27	Pass
n20	5180	Ant2	-35.56	-27	Pass
n20	5200	Ant2	-35.99	-27	Pass
n20	5240	Ant2	-36.05	-27	Pass
n40	5190	Ant2	-35.58	-27	Pass
n40	5230	Ant2	-35.45	-27	Pass
ac20	5180	Ant2	-35.07	-27	Pass
ac20	5200	Ant2	-36.01	-27	Pass
ac20	5240	Ant2	-35.71	-27	Pass
ac40	5190	Ant2	-36.15	-27	Pass
ac40	5230	Ant2	-35.89	-27	Pass
ac80	5210	Ant2	-36	-27	Pass
ax20	5180	Ant2	-35.63	-27	Pass
ax20	5200	Ant2	-35.43	-27	Pass
ax20	5240	Ant2	-35.26	-27	Pass

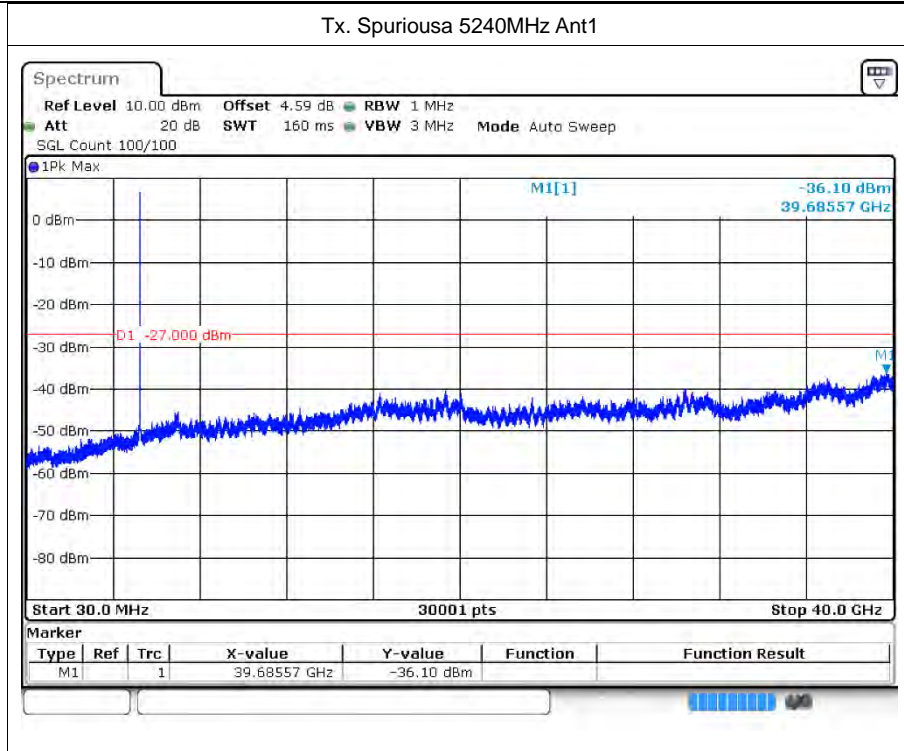


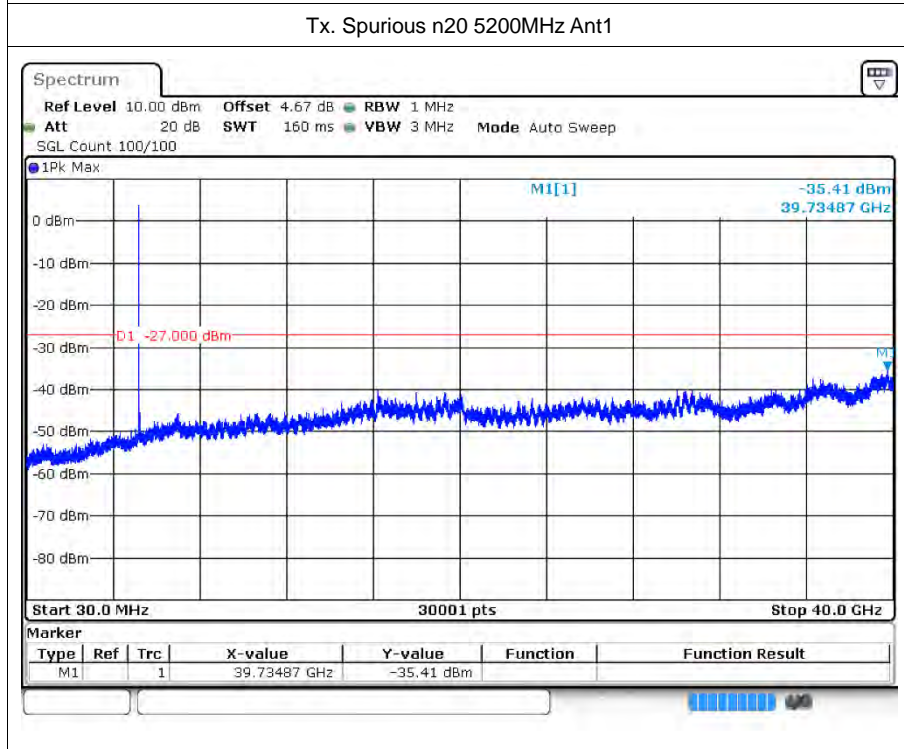
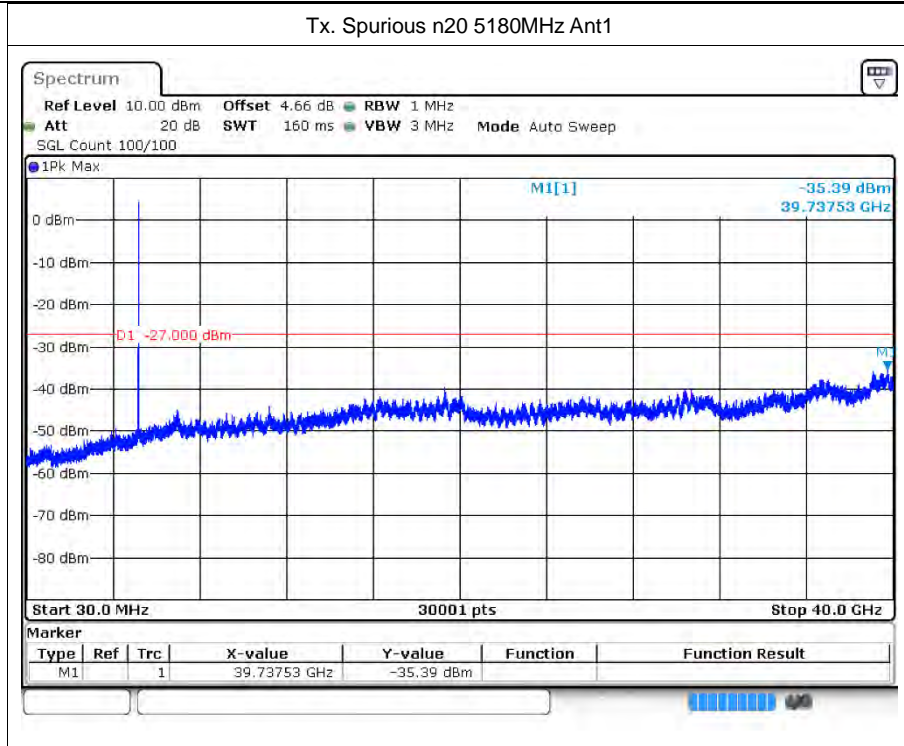
ax40	5190	Ant2	-35.9	-27	Pass
ax40	5230	Ant2	-34.79	-27	Pass
ax80	5210	Ant2	-36.28	-27	Pass

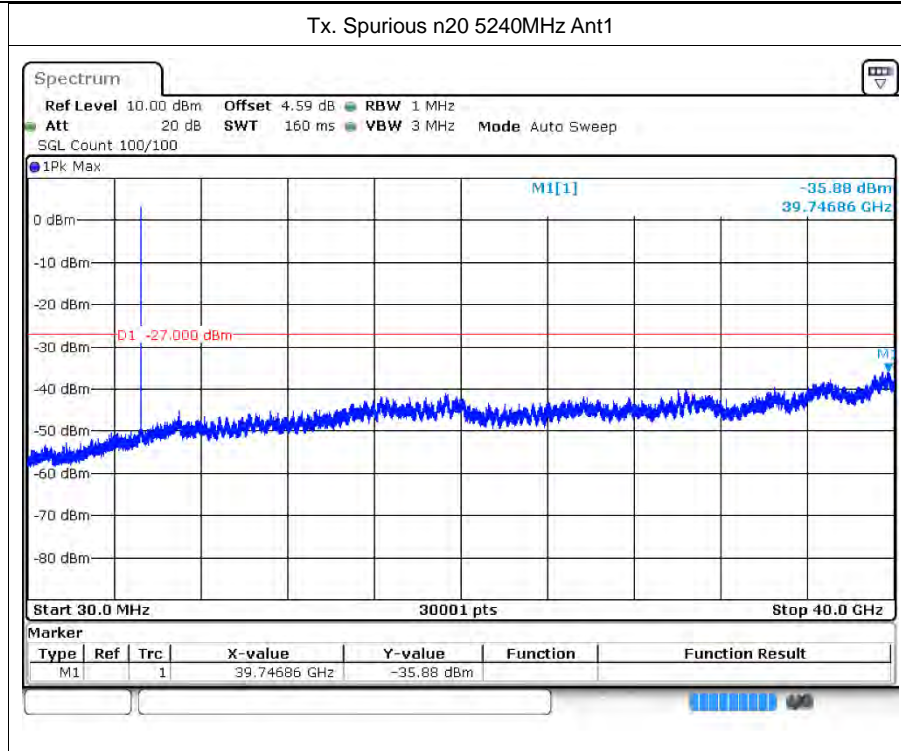


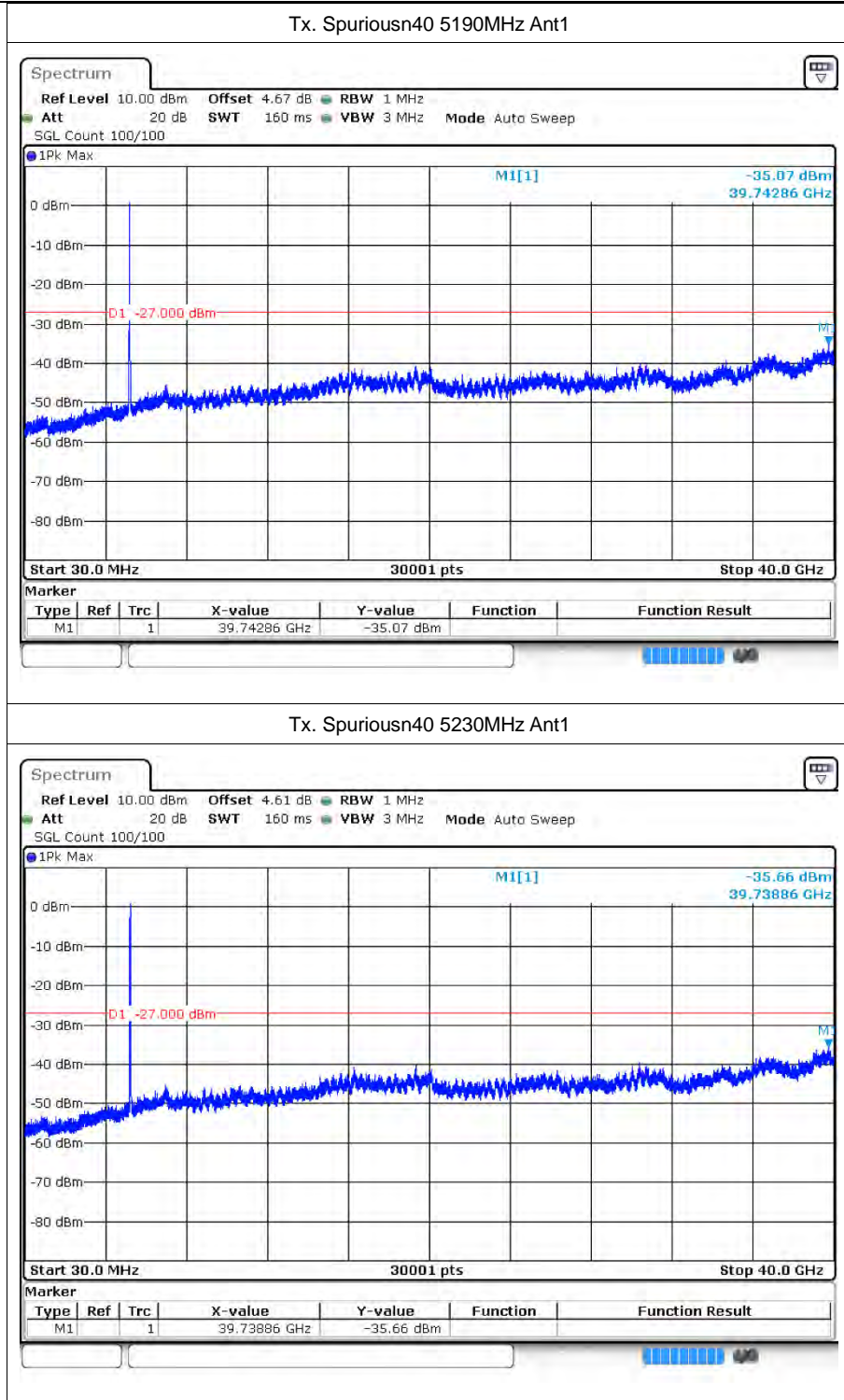
7.2 Test Graphs

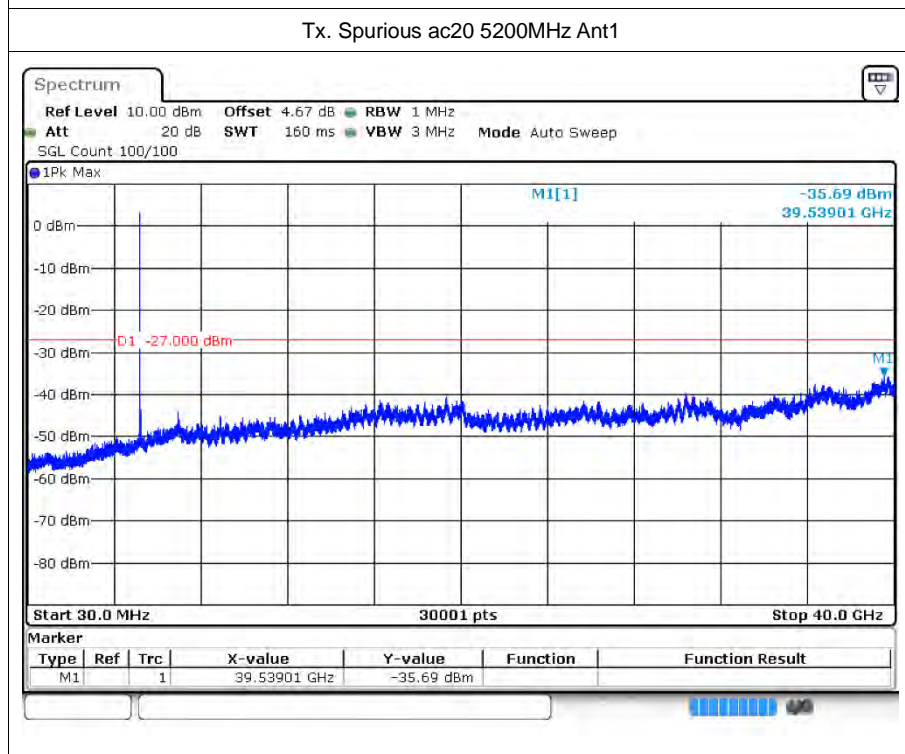
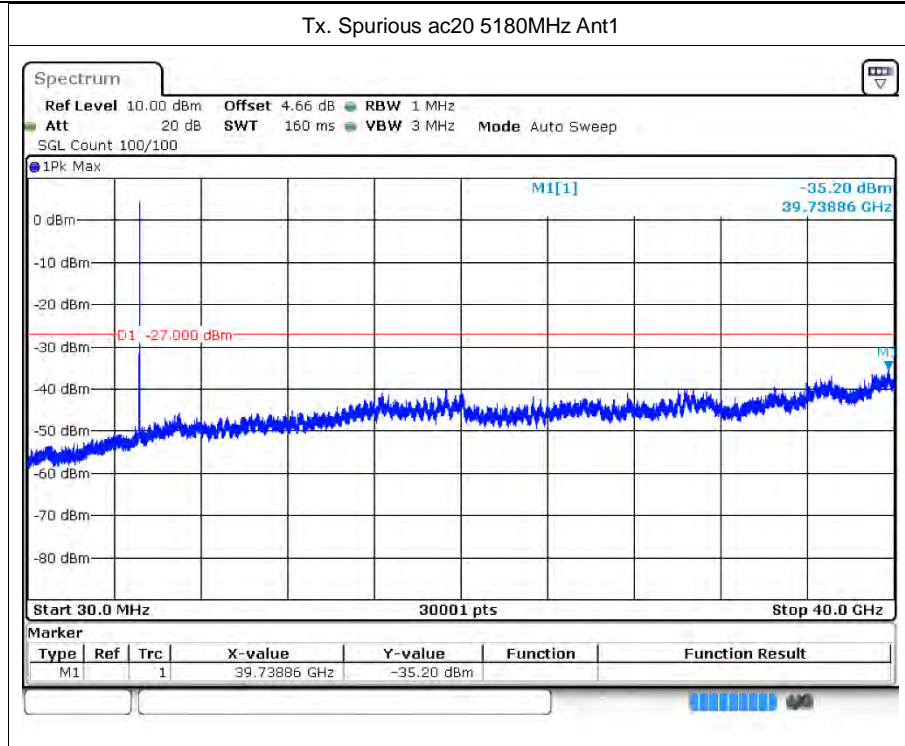


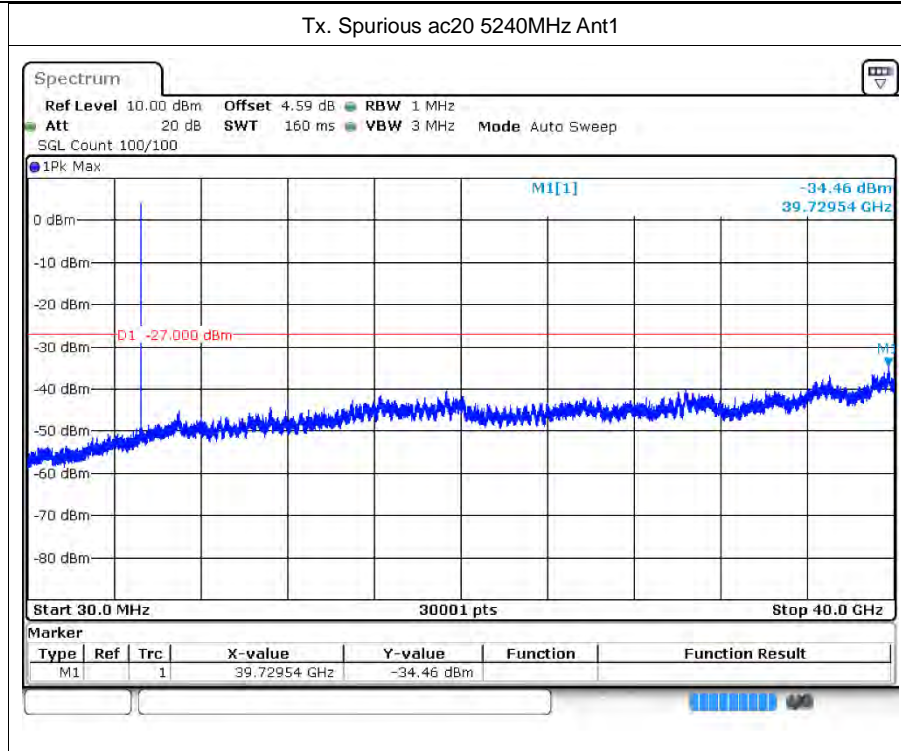


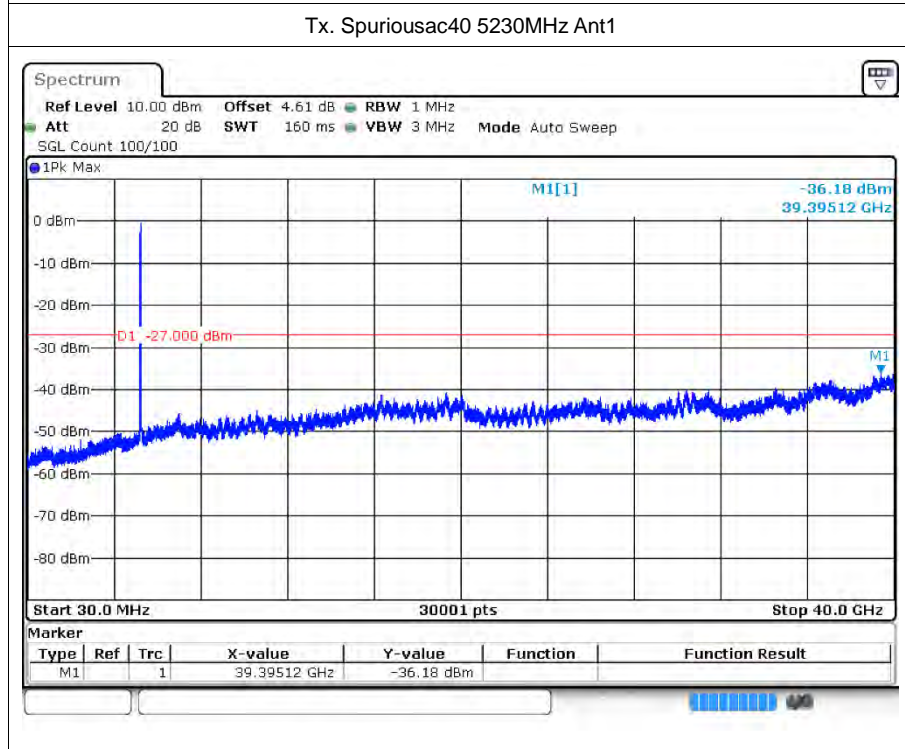
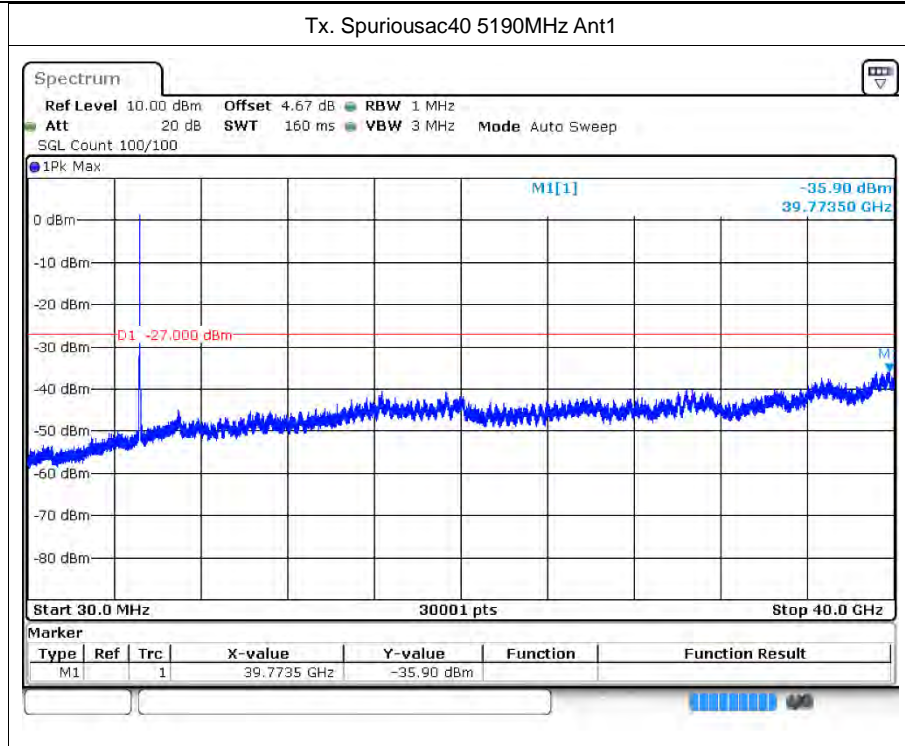


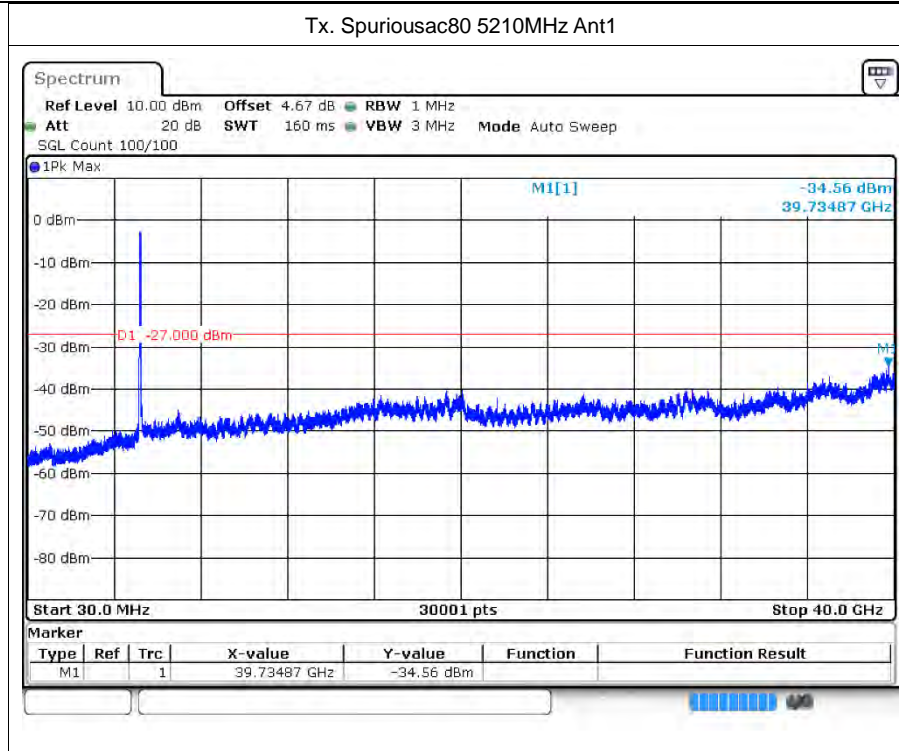


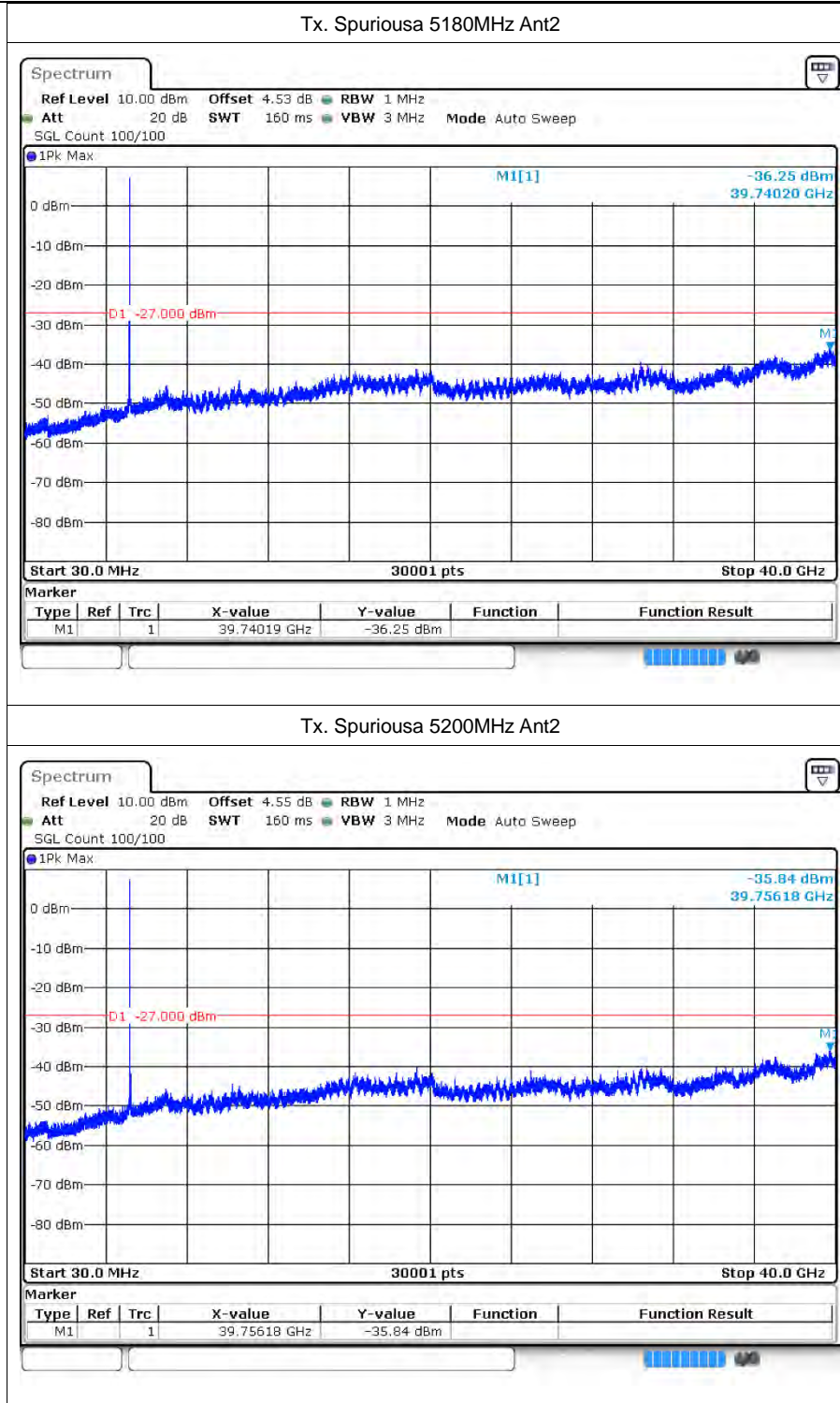


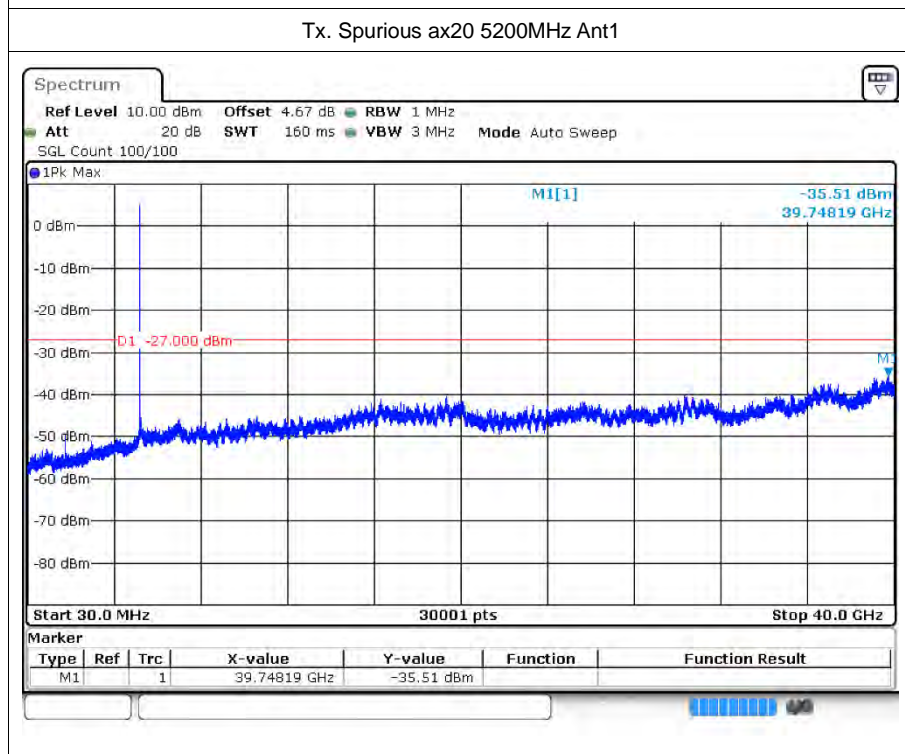
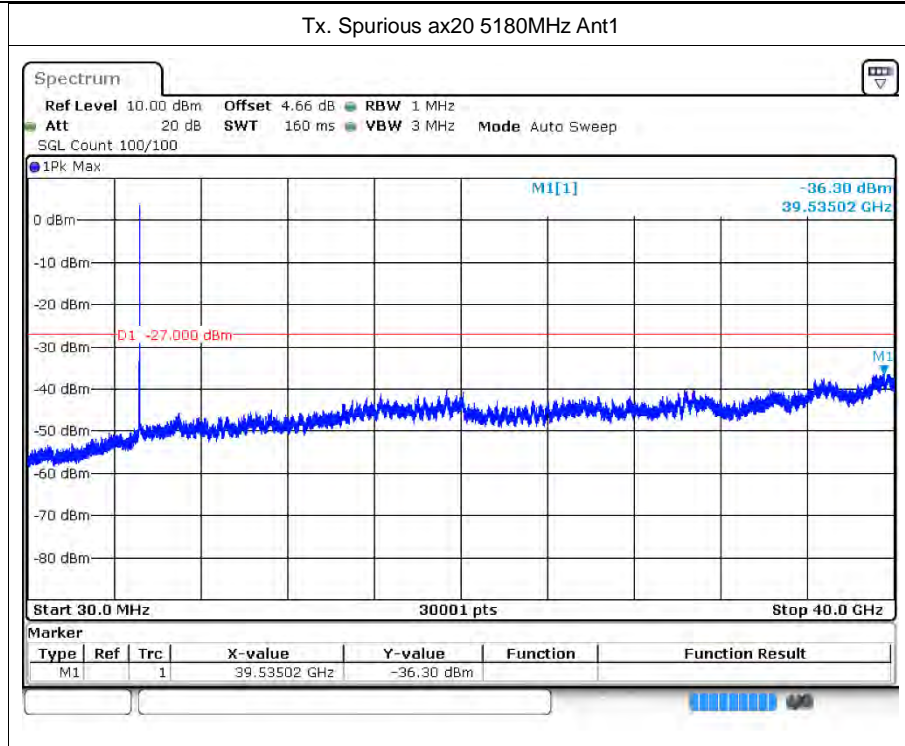


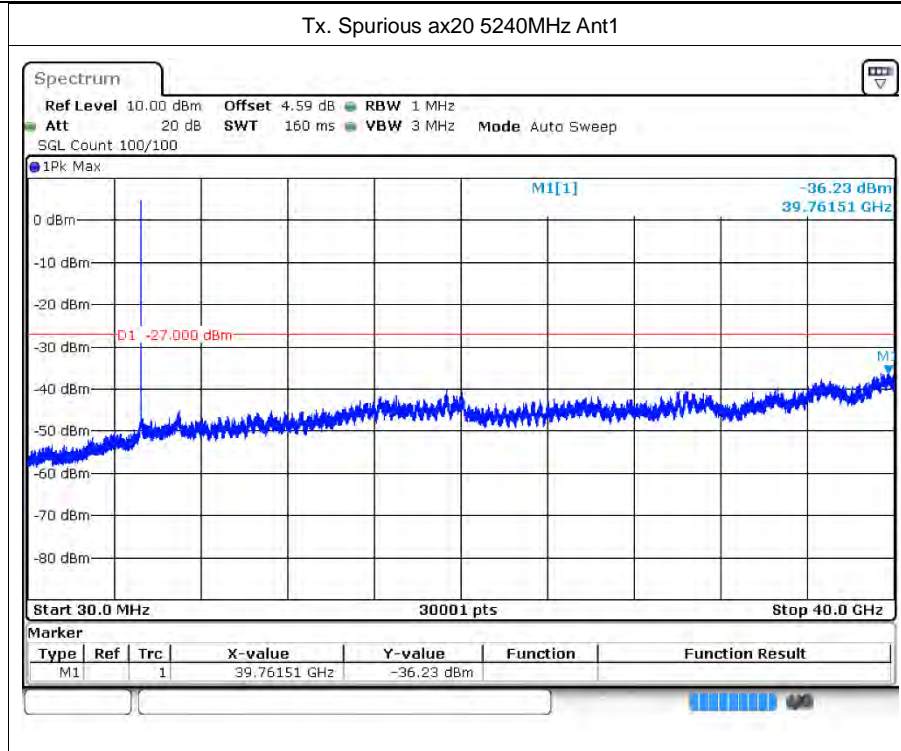


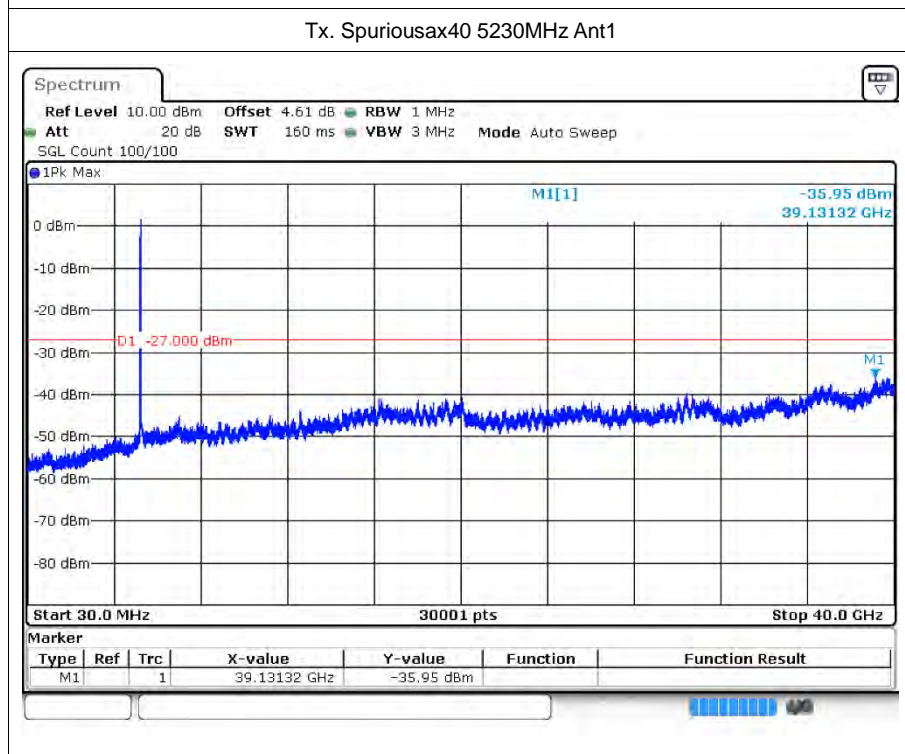
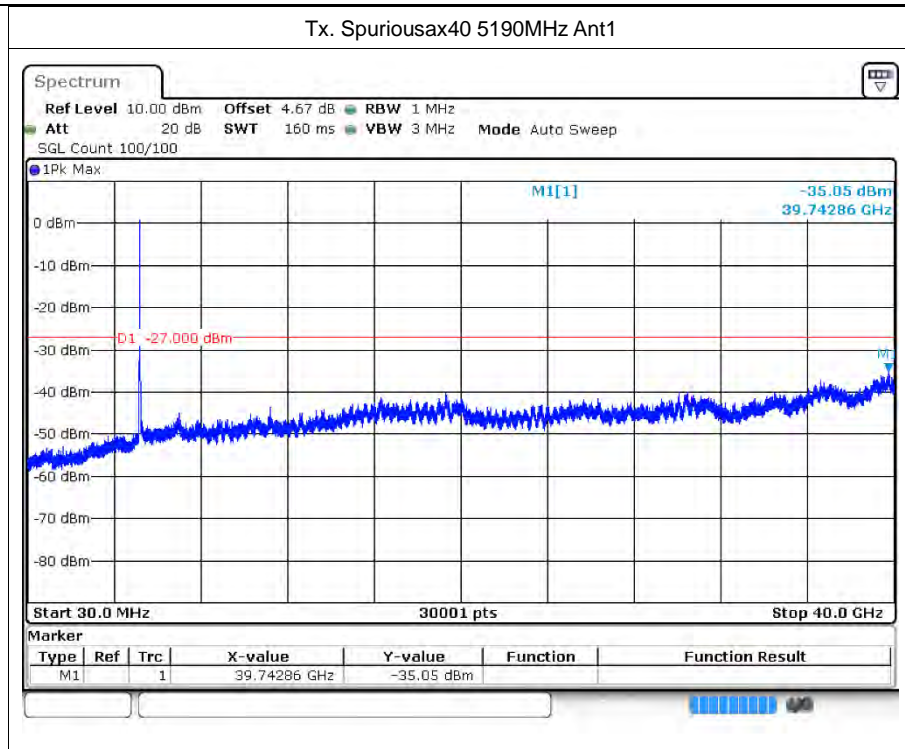


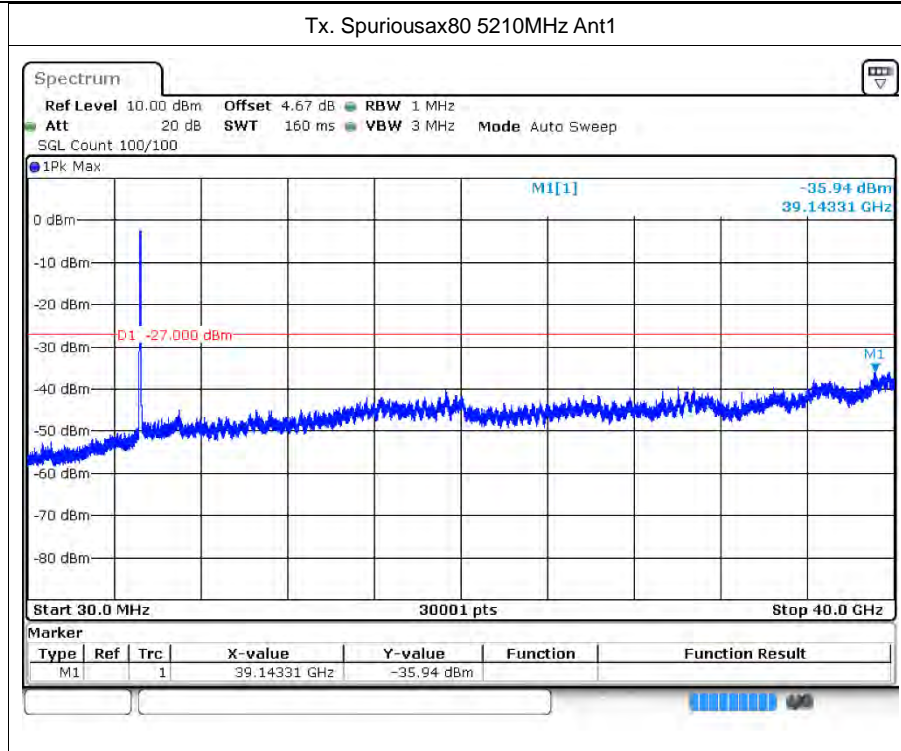


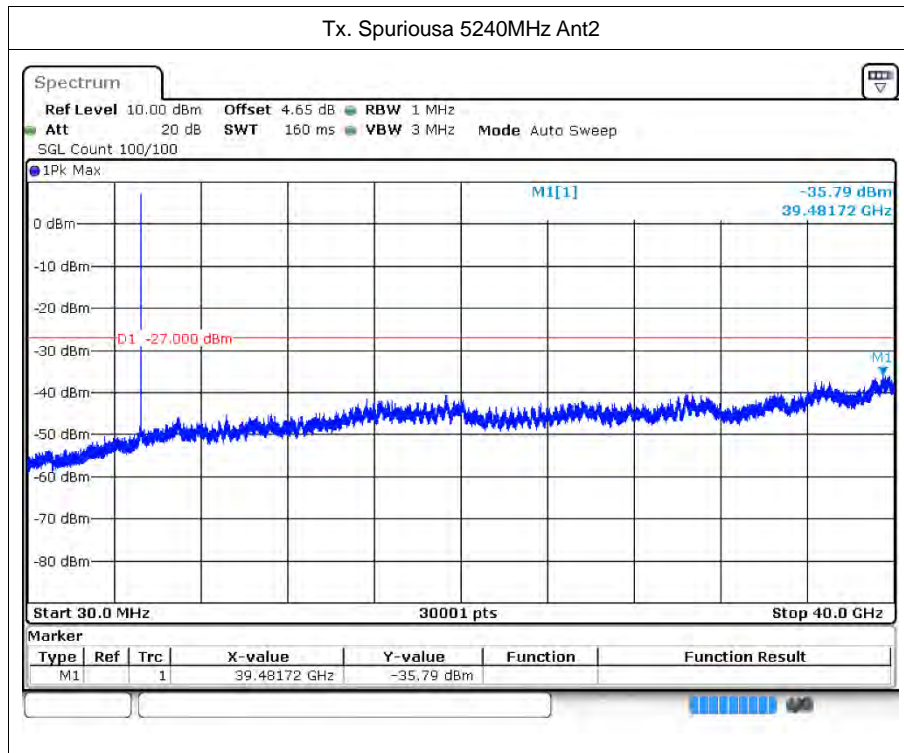


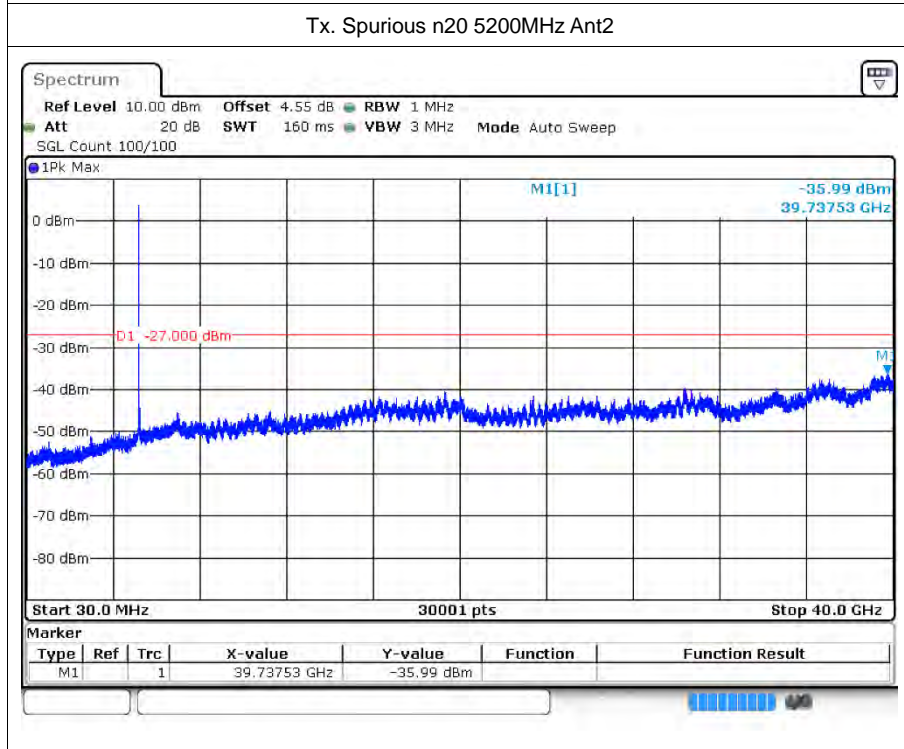
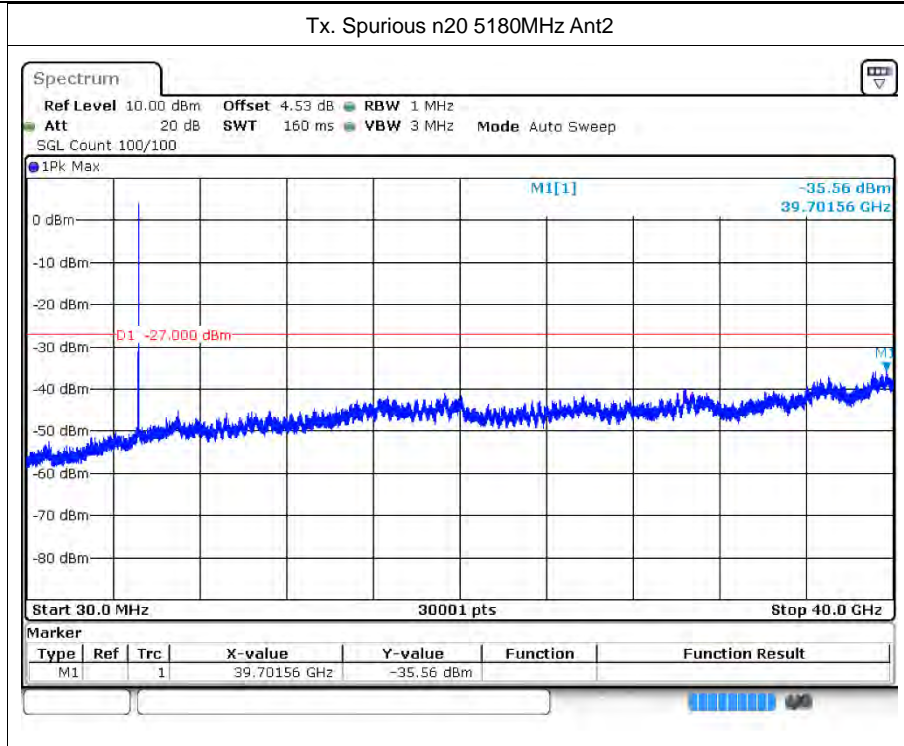


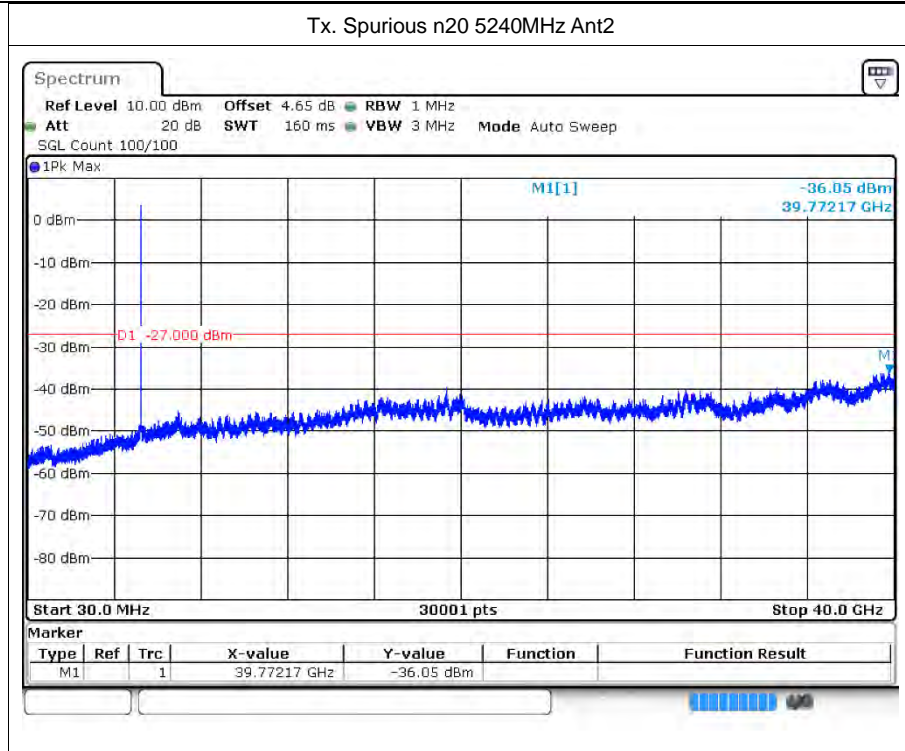


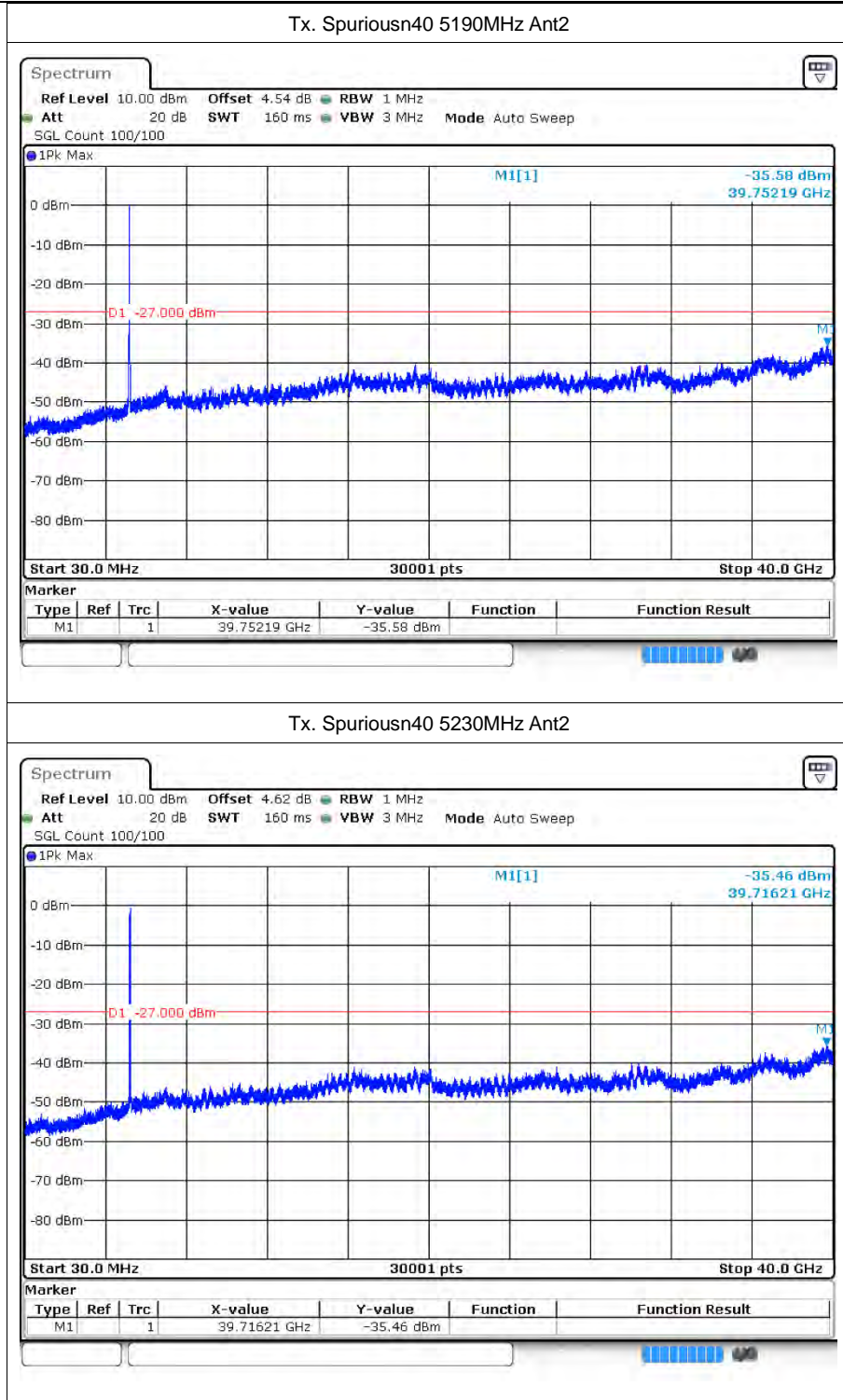






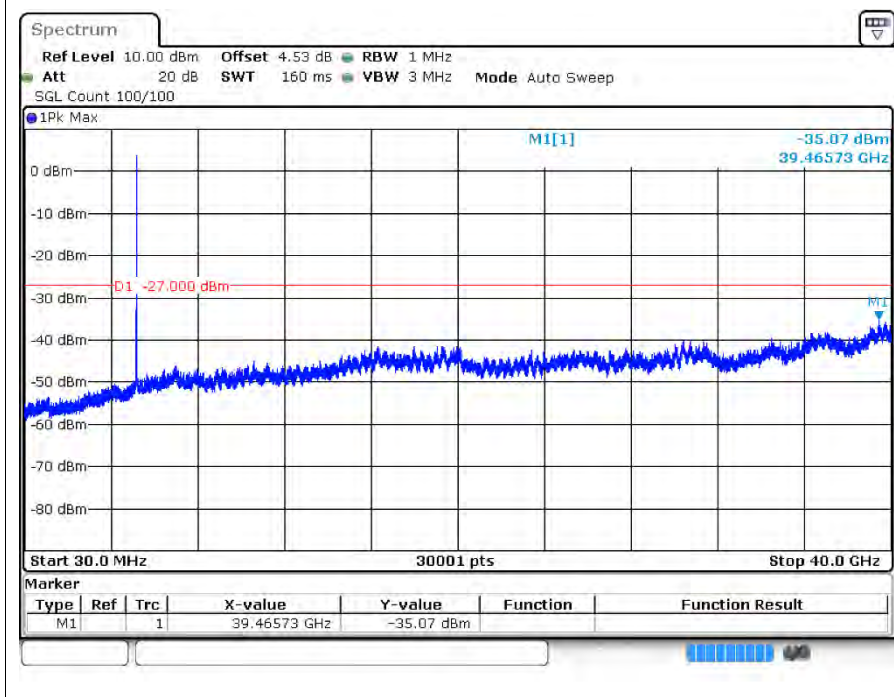




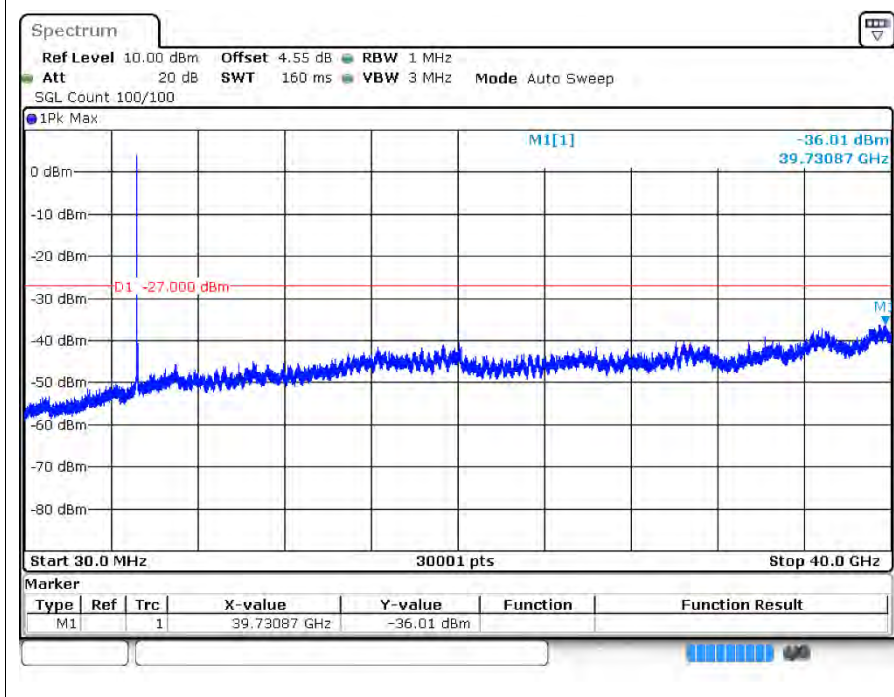


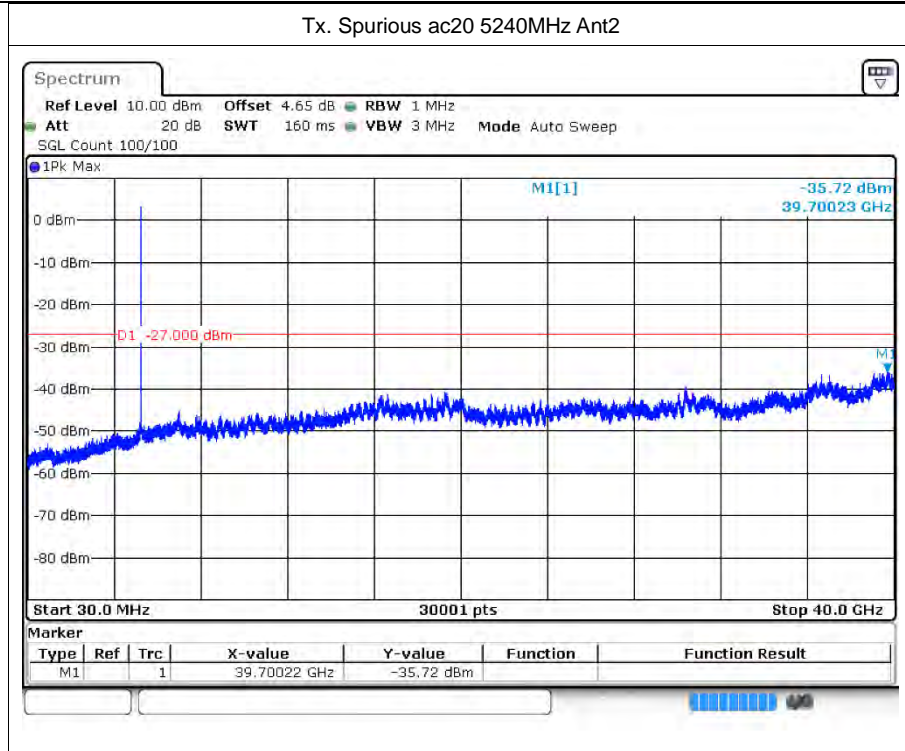


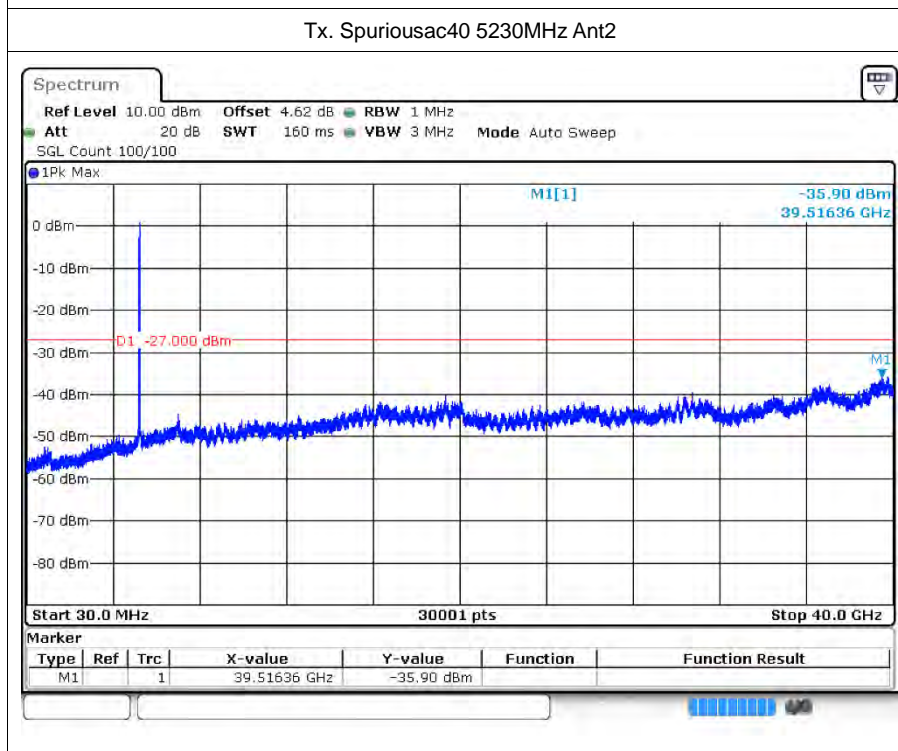
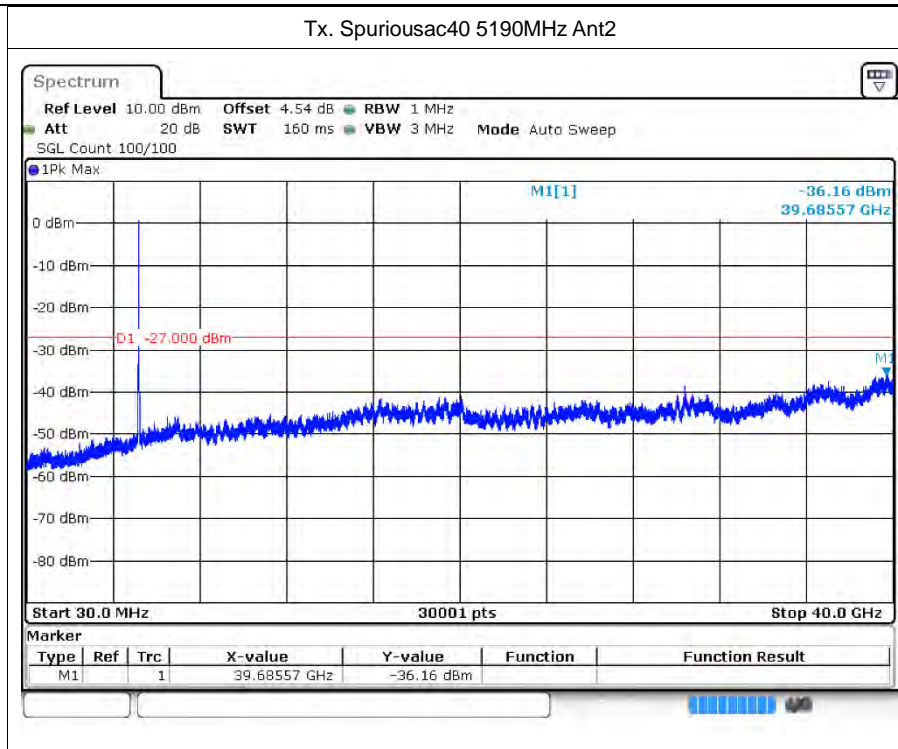
Tx. Spurious ac20 5180MHz Ant2

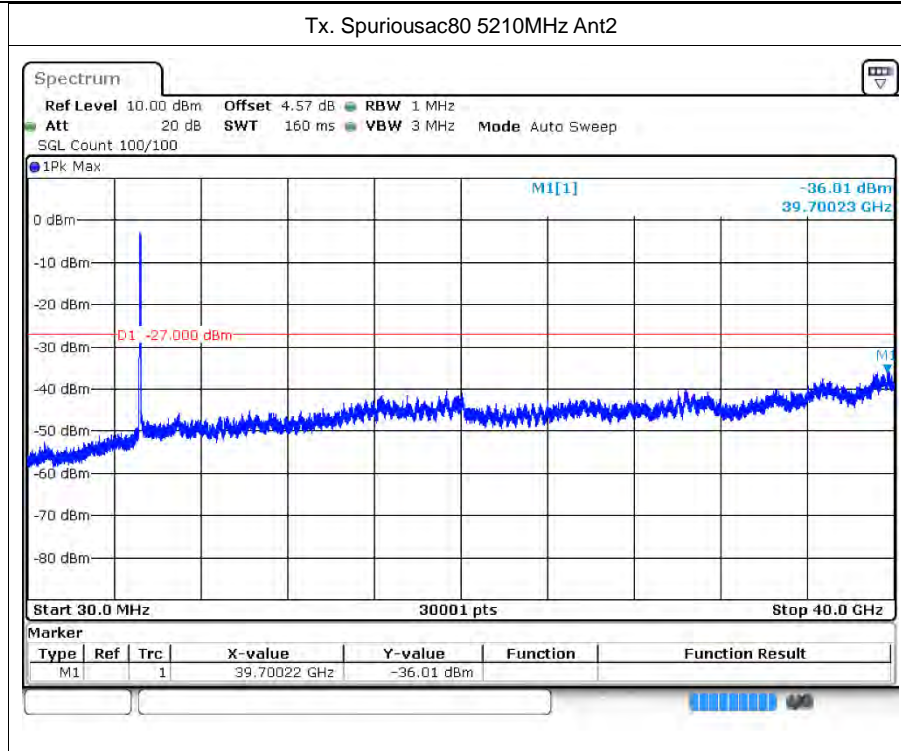


Tx. Spurious ac20 5200MHz Ant2



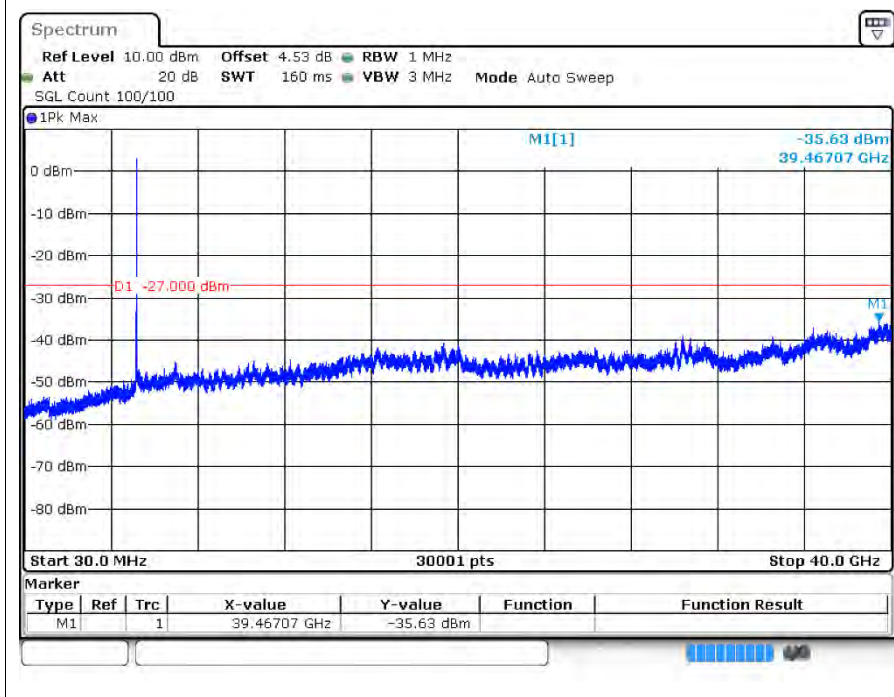




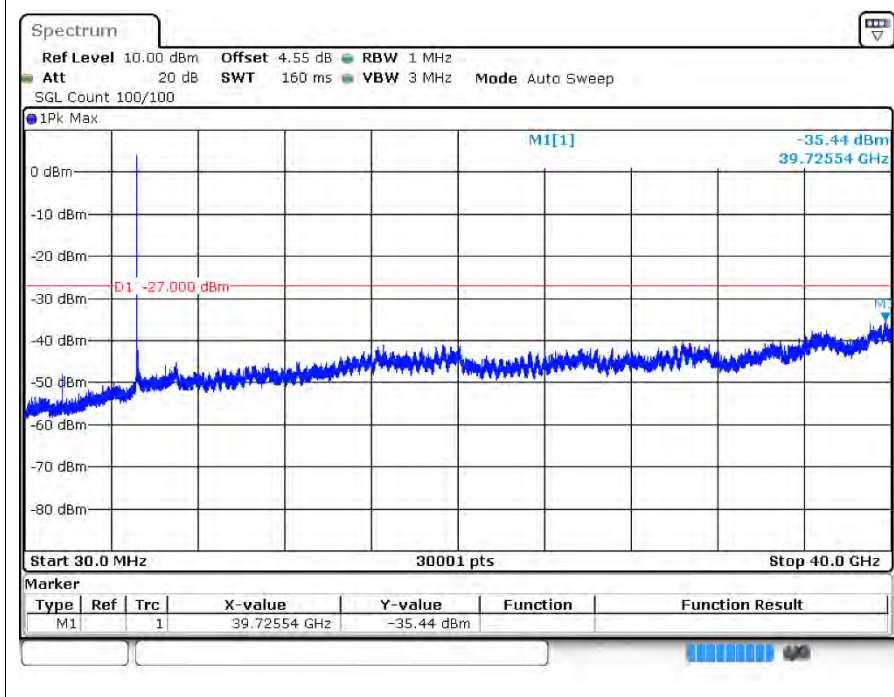


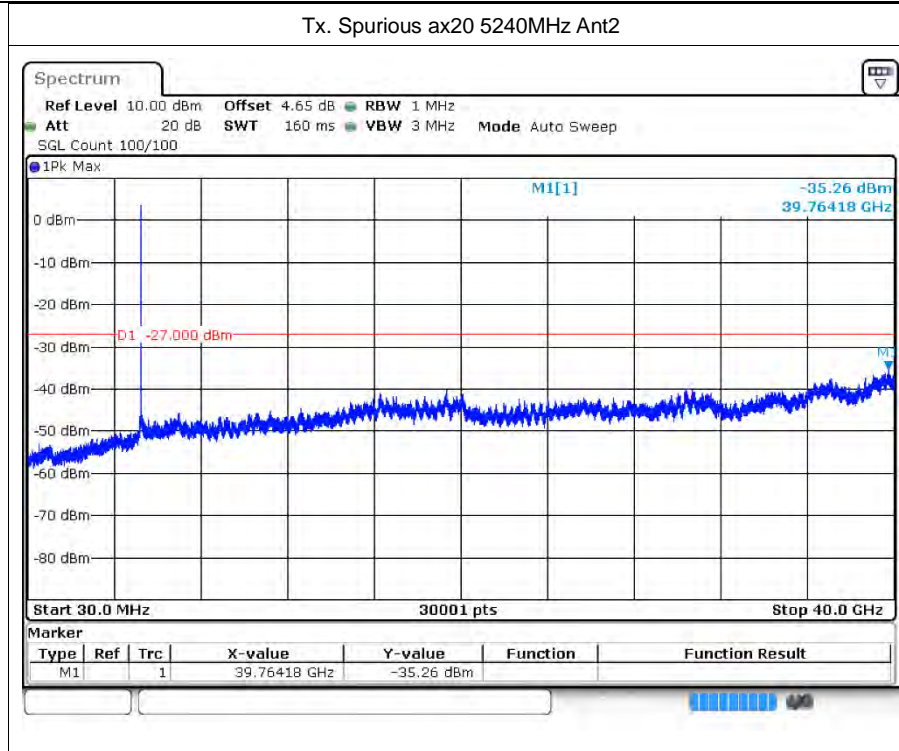


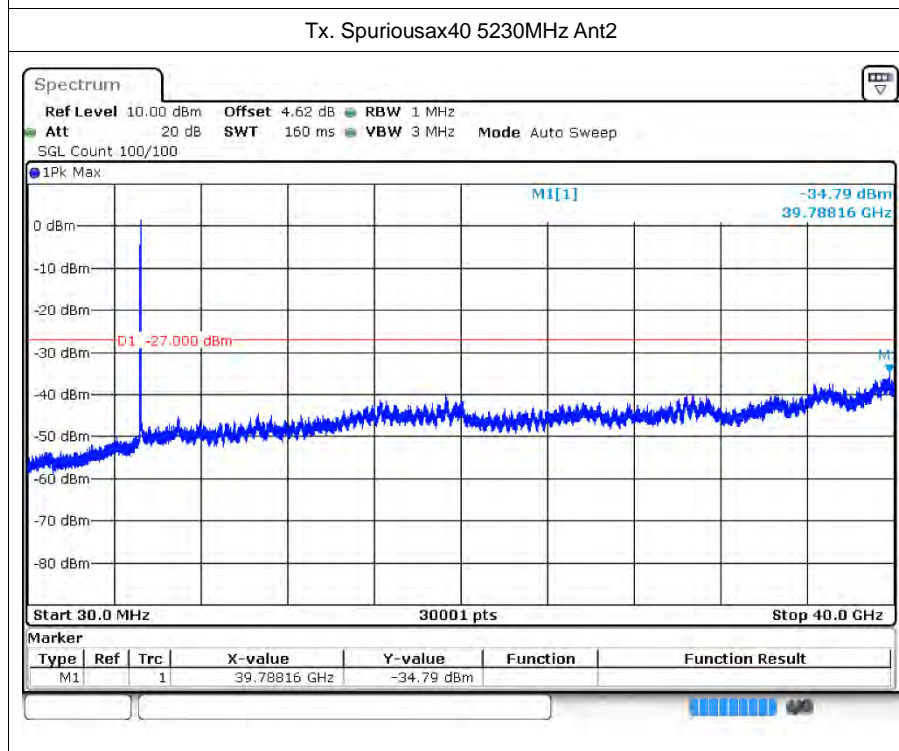
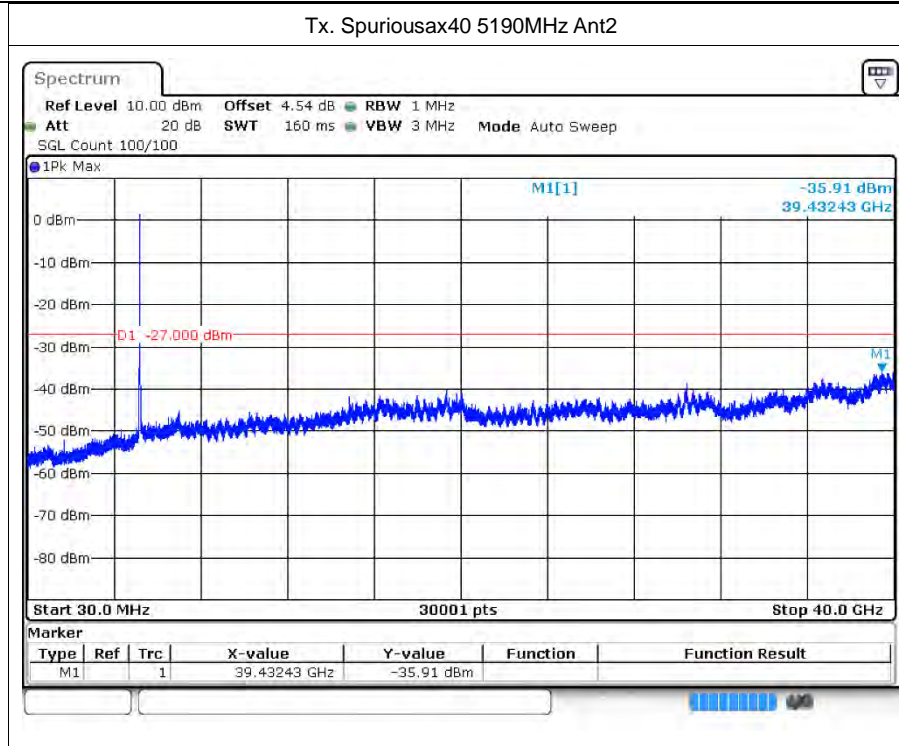
Tx. Spurious ax20 5180MHz Ant2

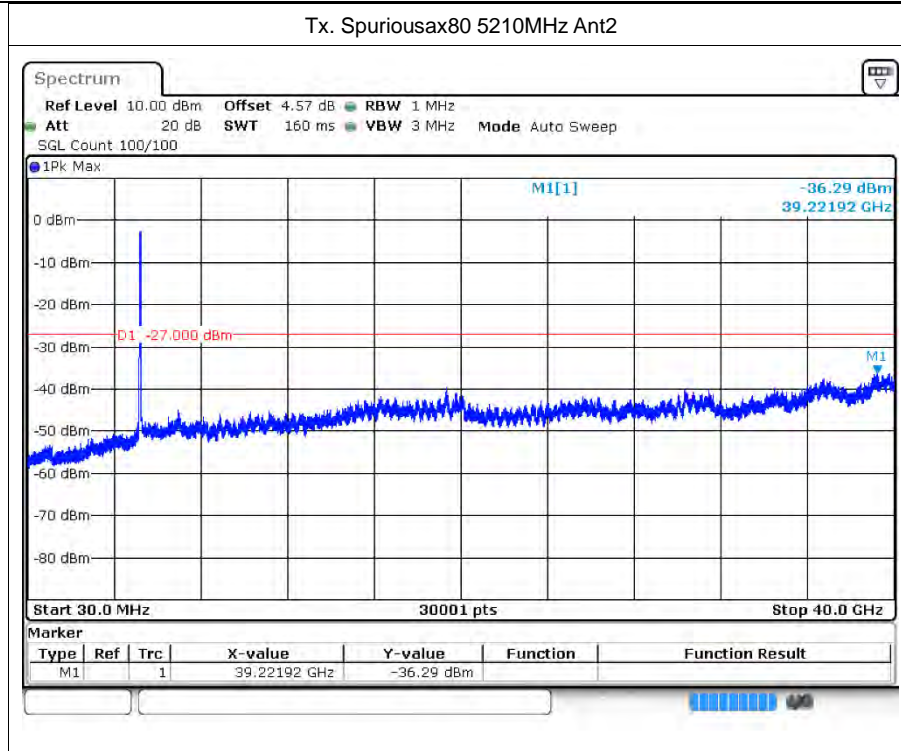


Tx. Spurious ax20 5200MHz Ant2











8 Restrict Band

8.1 Test Result

Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
a	5180	Ant1	4500	-55.36	5.343	45.213	Peak	68.2	Pass
a	5180	Ant1	4500	-64.3	5.343	36.273	Average	54	Pass
a	5180	Ant1	5060.7	-50.9	5.343	49.673	Peak	68.2	Pass
a	5180	Ant1	5035.5	-61.23	5.343	39.343	Average	54	Pass
a	5180	Ant1	5150	-52.71	5.343	47.863	Peak	68.2	Pass
a	5180	Ant1	5150	-62.53	5.343	38.043	Average	54	Pass
a	5240	Ant1	5350	-53.59	5.343	46.983	Peak	68.2	Pass
a	5240	Ant1	5350	-62.86	5.343	37.713	Average	54	Pass
a	5240	Ant1	5448.24	-51.06	5.343	49.513	Peak	68.2	Pass
a	5240	Ant1	5448.24	-60.94	5.343	39.633	Average	54	Pass
a	5240	Ant1	5460	-54.78	5.343	45.793	Peak	68.2	Pass
a	5240	Ant1	5460	-62.96	5.343	37.613	Average	54	Pass
n20	5180	Ant1	4500	-55.21	5.343	45.363	Peak	68.2	Pass
n20	5180	Ant1	4500	-65.05	5.343	35.523	Average	54	Pass
n20	5180	Ant1	4971.1	-50.95	5.343	49.623	Peak	68.2	Pass
n20	5180	Ant1	4964.8	-61.25	5.343	39.323	Average	54	Pass
n20	5180	Ant1	5150	-52.45	5.343	48.123	Peak	68.2	Pass
n20	5180	Ant1	5150	-63.33	5.343	37.243	Average	54	Pass
n20	5240	Ant1	5350	-53.01	5.343	47.563	Peak	68.2	Pass
n20	5240	Ant1	5350	-63.11	5.343	37.463	Average	54	Pass
n20	5240	Ant1	5449.68	-51.43	5.343	49.143	Peak	68.2	Pass
n20	5240	Ant1	5448.96	-61.31	5.343	39.263	Average	54	Pass
n20	5240	Ant1	5460	-53.57	5.343	47.003	Peak	68.2	Pass
n20	5240	Ant1	5460	-62.94	5.343	37.633	Average	54	Pass
n40	5190	Ant1	4500	-55.8	5.343	44.773	Peak	68.2	Pass
n40	5190	Ant1	4500	-64.96	5.343	35.613	Average	54	Pass
n40	5190	Ant1	5062.1	-51.19	5.343	49.383	Peak	68.2	Pass
n40	5190	Ant1	4968.66	-61.36	5.343	39.213	Average	54	Pass
n40	5190	Ant1	5150	-52.04	5.343	48.533	Peak	68.2	Pass
n40	5190	Ant1	5150	-62.71	5.343	37.863	Average	54	Pass
n40	5230	Ant1	5350	-54.13	5.343	46.443	Peak	68.2	Pass
n40	5230	Ant1	5350	-62.85	5.343	37.723	Average	54	Pass
n40	5230	Ant1	5447.31	-53.26	5.343	47.313	Peak	68.2	Pass
n40	5230	Ant1	5447.85	-60.7	5.343	39.873	Average	54	Pass
n40	5230	Ant1	5460	-55.26	5.343	45.313	Peak	68.2	Pass



n40	5230	Ant1	5460	-62.99	5.343	37.583	Average	54	Pass
ac20	5180	Ant1	4500	-54.22	5.343	46.353	Peak	68.2	Pass
ac20	5180	Ant1	4500	-64.17	5.343	36.403	Average	54	Pass
ac20	5180	Ant1	5008.2	-51.51	5.343	49.063	Peak	68.2	Pass
ac20	5180	Ant1	4963.4	-61.54	5.343	39.033	Average	54	Pass
ac20	5180	Ant1	5150	-54.14	5.343	46.433	Peak	68.2	Pass
ac20	5180	Ant1	5150	-62.41	5.343	38.163	Average	54	Pass
ac20	5240	Ant1	5350	-55.84	5.343	44.733	Peak	68.2	Pass
ac20	5240	Ant1	5350	-64	5.343	36.573	Average	54	Pass
ac20	5240	Ant1	5446.56	-50.71	5.343	49.863	Peak	68.2	Pass
ac20	5240	Ant1	5451.36	-61.17	5.343	39.403	Average	54	Pass
ac20	5240	Ant1	5460	-53.45	5.343	47.123	Peak	68.2	Pass
ac20	5240	Ant1	5460	-62.32	5.343	38.253	Average	54	Pass
ac40	5190	Ant1	4500	-54.82	5.343	45.753	Peak	68.2	Pass
ac40	5190	Ant1	4500	-64.98	5.343	35.593	Average	54	Pass
ac40	5190	Ant1	4913.91	-51.09	5.343	49.483	Peak	68.2	Pass
ac40	5190	Ant1	4965.01	-61.5	5.343	39.073	Average	54	Pass
ac40	5190	Ant1	5150	-51.75	5.343	48.823	Peak	68.2	Pass
ac40	5190	Ant1	5150	-62.8	5.343	37.773	Average	54	Pass
ac40	5230	Ant1	5350	-54.6	5.343	45.973	Peak	68.2	Pass
ac40	5230	Ant1	5350	-62.4	5.343	38.173	Average	54	Pass
ac40	5230	Ant1	5425.98	-51.38	5.343	49.193	Peak	68.2	Pass
ac40	5230	Ant1	5450.82	-60.9	5.343	39.673	Average	54	Pass
ac40	5230	Ant1	5460	-54.05	5.343	46.523	Peak	68.2	Pass
ac40	5230	Ant1	5460	-62.39	5.343	38.183	Average	54	Pass
ac80	5210	Ant1	4500	-55.92	5.343	44.653	Peak	68.2	Pass
ac80	5210	Ant1	4500	-64.42	5.343	36.153	Average	54	Pass
ac80	5210	Ant1	4973.21	-51.24	5.343	49.333	Peak	68.2	Pass
ac80	5210	Ant1	4966.89	-61.03	5.343	39.543	Average	54	Pass
ac80	5210	Ant1	5150	-53.94	5.343	46.633	Peak	68.2	Pass
ac80	5210	Ant1	5150	-62.23	5.343	38.343	Average	54	Pass
ax20	5180	Ant1	4500	-54.23	5.343	46.343	Peak	68.2	Pass
ax20	5180	Ant1	4500	-64.74	5.343	35.833	Average	54	Pass
ax20	5180	Ant1	4567.9	-51.4	5.343	49.173	Peak	68.2	Pass
ax20	5180	Ant1	4962.7	-60.96	5.343	39.613	Average	54	Pass
ax20	5180	Ant1	5150	-53.66	5.343	46.913	Peak	68.2	Pass
ax20	5180	Ant1	5150	-63.52	5.343	37.053	Average	54	Pass
ax20	5240	Ant1	5350	-54.19	5.343	46.383	Peak	68.2	Pass
ax20	5240	Ant1	5350	-63.39	5.343	37.183	Average	54	Pass
ax20	5240	Ant1	5453.76	-50.7	5.343	49.873	Peak	68.2	Pass
ax20	5240	Ant1	5448.96	-60.89	5.343	39.683	Average	54	Pass
ax20	5240	Ant1	5460	-53.84	5.343	46.733	Peak	68.2	Pass
ax20	5240	Ant1	5460	-62.48	5.343	38.093	Average	54	Pass



ax40	5190	Ant1	4500	-54.95	5.343	45.623	Peak	68.2	Pass
ax40	5190	Ant1	4500	-64.19	5.343	36.383	Average	54	Pass
ax40	5190	Ant1	5137.29	-51.11	5.343	49.463	Peak	68.2	Pass
ax40	5190	Ant1	4963.55	-61.07	5.343	39.503	Average	54	Pass
ax40	5190	Ant1	5150	-53.4	5.343	47.173	Peak	68.2	Pass
ax40	5190	Ant1	5150	-63.15	5.343	37.423	Average	54	Pass
ax40	5230	Ant1	5350	-53.41	5.343	47.163	Peak	68.2	Pass
ax40	5230	Ant1	5350	-62.82	5.343	37.753	Average	54	Pass
ax40	5230	Ant1	5412.48	-50.01	5.343	50.563	Peak	68.2	Pass
ax40	5230	Ant1	5448.93	-60.9	5.343	39.673	Average	54	Pass
ax40	5230	Ant1	5460	-54.45	5.343	46.123	Peak	68.2	Pass
ax40	5230	Ant1	5460	-62.98	5.343	37.593	Average	54	Pass
ax80	5210	Ant1	4500	-45.56	5.343	55.013	Peak	68.2	Pass
ax80	5210	Ant1	4500	-52.19	5.343	48.383	Average	54	Pass
ax80	5210	Ant1	5001.65	-40.53	5.343	60.043	Peak	68.2	Pass
ax80	5210	Ant1	4966.89	-55.15	5.343	45.423	Average	54	Pass
ax80	5210	Ant1	5150	-44.72	5.343	55.853	Peak	68.2	Pass
ax80	5210	Ant1	5150	-52.26	5.343	48.313	Average	54	Pass
a	5180	Ant2	4500	-55.1	7.07	47.200	Peak	68.2	Pass
a	5180	Ant2	4500	-63.61	7.07	38.690	Average	54	Pass
a	5180	Ant2	4997	-50.82	7.07	51.480	Peak	68.2	Pass
a	5180	Ant2	5034.1	-60.99	7.07	41.310	Average	54	Pass
a	5180	Ant2	5150	-52.91	7.07	49.390	Peak	68.2	Pass
a	5180	Ant2	5150	-62.96	7.07	39.340	Average	54	Pass
a	5240	Ant2	5350	-53.25	7.07	49.050	Peak	68.2	Pass
a	5240	Ant2	5350	-62.3	7.07	40.000	Average	54	Pass
a	5240	Ant2	5451.36	-51.63	7.07	50.670	Peak	68.2	Pass
a	5240	Ant2	5447.04	-60.84	7.07	41.460	Average	54	Pass
a	5240	Ant2	5460	-54.91	7.07	47.390	Peak	68.2	Pass
a	5240	Ant2	5460	-63.11	7.07	39.190	Average	54	Pass
n20	5180	Ant2	4500	-56.53	7.07	45.770	Peak	68.2	Pass
n20	5180	Ant2	4500	-64.85	7.07	37.450	Average	54	Pass
n20	5180	Ant2	5104.1	-51.6	7.07	50.700	Peak	68.2	Pass
n20	5180	Ant2	4963.4	-62.03	7.07	40.270	Average	54	Pass
n20	5180	Ant2	5150	-54.86	7.07	47.440	Peak	68.2	Pass
n20	5180	Ant2	5150	-62.87	7.07	39.430	Average	54	Pass
n20	5240	Ant2	5350	-55.12	7.07	47.180	Peak	68.2	Pass
n20	5240	Ant2	5350	-62.83	7.07	39.470	Average	54	Pass
n20	5240	Ant2	5413.2	-50.39	7.07	51.910	Peak	68.2	Pass
n20	5240	Ant2	5447.76	-61.07	7.07	41.230	Average	54	Pass
n20	5240	Ant2	5460	-54.27	7.07	48.030	Peak	68.2	Pass
n20	5240	Ant2	5460	-63.18	7.07	39.120	Average	54	Pass
n40	5190	Ant2	4500	-55.86	7.07	46.440	Peak	68.2	Pass



n40	5190	Ant2	4500	-65.3	7.07	37.000	Average	54	Pass
n40	5190	Ant2	4935.81	-52.14	7.07	50.160	Peak	68.2	Pass
n40	5190	Ant2	4966.47	-61.53	7.07	40.770	Average	54	Pass
n40	5190	Ant2	5150	-53.75	7.07	48.550	Peak	68.2	Pass
n40	5190	Ant2	5150	-62.28	7.07	40.020	Average	54	Pass
n40	5230	Ant2	5350	-53.94	7.07	48.360	Peak	68.2	Pass
n40	5230	Ant2	5350	-62.83	7.07	39.470	Average	54	Pass
n40	5230	Ant2	5452.98	-51.68	7.07	50.620	Peak	68.2	Pass
n40	5230	Ant2	5447.58	-61.14	7.07	41.160	Average	54	Pass
n40	5230	Ant2	5460	-53.86	7.07	48.440	Peak	68.2	Pass
n40	5230	Ant2	5460	-63.02	7.07	39.280	Average	54	Pass
ac20	5180	Ant2	4500	-54.43	7.07	47.870	Peak	68.2	Pass
ac20	5180	Ant2	4500	-64.74	7.07	37.560	Average	54	Pass
ac20	5180	Ant2	4796.8	-51.88	7.07	50.420	Peak	68.2	Pass
ac20	5180	Ant2	4965.5	-60.95	7.07	41.350	Average	54	Pass
ac20	5180	Ant2	5150	-54.23	7.07	48.070	Peak	68.2	Pass
ac20	5180	Ant2	5150	-63	7.07	39.300	Average	54	Pass
ac20	5240	Ant2	5350	-54.88	7.07	47.420	Peak	68.2	Pass
ac20	5240	Ant2	5350	-62.63	7.07	39.670	Average	54	Pass
ac20	5240	Ant2	5448.48	-51.32	7.07	50.980	Peak	68.2	Pass
ac20	5240	Ant2	5446.56	-61.09	7.07	41.210	Average	54	Pass
ac20	5240	Ant2	5460	-55.06	7.07	47.240	Peak	68.2	Pass
ac20	5240	Ant2	5460	-62.81	7.07	39.490	Average	54	Pass
ac40	5190	Ant2	4500	-54.63	7.07	47.670	Peak	68.2	Pass
ac40	5190	Ant2	4500	-64.34	7.07	37.960	Average	54	Pass
ac40	5190	Ant2	4921.94	-51.64	7.07	50.660	Peak	68.2	Pass
ac40	5190	Ant2	4965.01	-61.17	7.07	41.130	Average	54	Pass
ac40	5190	Ant2	5150	-53.95	7.07	48.350	Peak	68.2	Pass
ac40	5190	Ant2	5150	-61.91	7.07	40.390	Average	54	Pass
ac40	5230	Ant2	5350	-55.1	7.07	47.200	Peak	68.2	Pass
ac40	5230	Ant2	5350	-62.82	7.07	39.480	Average	54	Pass
ac40	5230	Ant2	5408.43	-51.58	7.07	50.720	Peak	68.2	Pass
ac40	5230	Ant2	5448.12	-60.64	7.07	41.660	Average	54	Pass
ac40	5230	Ant2	5460	-54.84	7.07	47.460	Peak	68.2	Pass
ac40	5230	Ant2	5460	-63.16	7.07	39.140	Average	54	Pass
ac80	5210	Ant2	4500	-45.11	7.07	57.190	Peak	68.2	Pass
ac80	5210	Ant2	4500	-52.85	7.07	49.450	Average	54	Pass
ac80	5210	Ant2	4974.79	-40.63	7.07	61.670	Peak	68.2	Pass
ac80	5210	Ant2	4967.68	-49.93	7.07	52.370	Average	54	Pass
ac80	5210	Ant2	5150	-43.18	7.07	59.120	Peak	68.2	Pass
ac80	5210	Ant2	5150	-52	7.07	50.300	Average	54	Pass
ax20	5180	Ant2	4500	-54.85	7.07	47.450	Peak	68.2	Pass
ax20	5180	Ant2	4500	-64.42	7.07	37.880	Average	54	Pass



ax20	5180	Ant2	5056.5	-51.44	7.07	50.860	Peak	68.2	Pass
ax20	5180	Ant2	5038.3	-60.98	7.07	41.320	Average	54	Pass
ax20	5180	Ant2	5150	-52.33	7.07	49.970	Peak	68.2	Pass
ax20	5180	Ant2	5150	-62.9	7.07	39.400	Average	54	Pass
ax20	5240	Ant2	5350	-53.67	7.07	48.630	Peak	68.2	Pass
ax20	5240	Ant2	5350	-62.93	7.07	39.370	Average	54	Pass
ax20	5240	Ant2	5450.88	-50.1	7.07	52.200	Peak	68.2	Pass
ax20	5240	Ant2	5447.28	-60.61	7.07	41.690	Average	54	Pass
ax20	5240	Ant2	5460	-56.33	7.07	45.970	Peak	68.2	Pass
ax20	5240	Ant2	5460	-63.09	7.07	39.210	Average	54	Pass
ax40	5190	Ant2	4500	-55.4	7.07	46.900	Peak	68.2	Pass
ax40	5190	Ant2	4500	-64.5	7.07	37.800	Average	54	Pass
ax40	5190	Ant2	4943.11	-51.13	7.07	51.170	Peak	68.2	Pass
ax40	5190	Ant2	4966.47	-61.36	7.07	40.940	Average	54	Pass
ax40	5190	Ant2	5150	-53.56	7.07	48.740	Peak	68.2	Pass
ax40	5190	Ant2	5150	-62.09	7.07	40.210	Average	54	Pass
ax40	5230	Ant2	5350	-52.81	7.07	49.490	Peak	68.2	Pass
ax40	5230	Ant2	5350	-62.3	7.07	40.000	Average	54	Pass
ax40	5230	Ant2	5381.97	-51.02	7.07	51.280	Peak	68.2	Pass
ax40	5230	Ant2	5451.63	-60.58	7.07	41.720	Average	54	Pass
ax40	5230	Ant2	5460	-54.52	7.07	47.780	Peak	68.2	Pass
ax40	5230	Ant2	5460	-62.77	7.07	39.530	Average	54	Pass
ax80	5210	Ant2	4500	-43.43	7.07	58.870	Peak	68.2	Pass
ax80	5210	Ant2	4500	-53.19	7.07	49.110	Average	54	Pass
ax80	5210	Ant2	4532.39	-40.56	7.07	61.740	Peak	68.2	Pass
ax80	5210	Ant2	4969.26	-55.34	7.07	46.960	Average	54	Pass
ax80	5210	Ant2	5150	-44.67	7.07	57.630	Peak	68.2	Pass
ax80	5210	Ant2	5150	-53.78	7.07	47.520	Average	54	Pass



Sum:

Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
n20	5180	Sum	4500	-52.810	9.260	51.680	Peak	68.2	Pass
n20	5180	Sum	4500	-61.939	9.260	42.551	Average	54	Pass
n20	5180	Sum	4971.1	-48.253	9.260	56.237	Peak	68.2	Pass
n20	5180	Sum	4964.8	-58.612	9.260	45.878	Average	54	Pass
n20	5180	Sum	5150	-50.480	9.260	54.010	Peak	68.2	Pass
n20	5180	Sum	5150	-60.084	9.260	44.406	Average	54	Pass
n20	5240	Sum	5350	-50.928	9.260	53.562	Peak	68.2	Pass
n20	5240	Sum	5350	-59.957	9.260	44.533	Average	54	Pass
n20	5240	Sum	5449.68	-47.869	9.260	56.621	Peak	68.2	Pass
n20	5240	Sum	5448.96	-58.178	9.260	46.312	Average	54	Pass
n20	5240	Sum	5460	-50.896	9.260	53.594	Peak	68.2	Pass
n20	5240	Sum	5460	-60.048	9.260	44.442	Average	54	Pass
n40	5190	Sum	4500	-52.820	9.260	51.670	Peak	68.2	Pass
n40	5190	Sum	4500	-62.116	9.260	42.374	Average	54	Pass
n40	5190	Sum	5062.1	-48.629	9.260	55.861	Peak	68.2	Pass
n40	5190	Sum	4968.66	-58.434	9.260	46.056	Average	54	Pass
n40	5190	Sum	5150	-49.801	9.260	54.689	Peak	68.2	Pass
n40	5190	Sum	5150	-59.479	9.260	45.011	Average	54	Pass
n40	5230	Sum	5350	-51.024	9.260	53.466	Peak	68.2	Pass
n40	5230	Sum	5350	-59.830	9.260	44.660	Average	54	Pass
n40	5230	Sum	5447.31	-48.455	9.260	56.035	Peak	68.2	Pass
n40	5230	Sum	5447.85	-57.904	9.260	46.586	Average	54	Pass
n40	5230	Sum	5460	-51.494	9.260	52.996	Peak	68.2	Pass
n40	5230	Sum	5460	-59.995	9.260	44.495	Average	54	Pass
ac20	5180	Sum	4500	-51.313	9.260	53.177	Peak	68.2	Pass
ac20	5180	Sum	4500	-61.435	9.260	43.055	Average	54	Pass
ac20	5180	Sum	5008.2	-48.681	9.260	55.809	Peak	68.2	Pass
ac20	5180	Sum	4963.4	-58.225	9.260	46.265	Average	54	Pass
ac20	5180	Sum	5150	-51.174	9.260	53.316	Peak	68.2	Pass
ac20	5180	Sum	5150	-59.685	9.260	44.805	Average	54	Pass
ac20	5240	Sum	5350	-52.323	9.260	52.167	Peak	68.2	Pass
ac20	5240	Sum	5350	-60.251	9.260	44.239	Average	54	Pass
ac20	5240	Sum	5446.56	-47.994	9.260	56.496	Peak	68.2	Pass
ac20	5240	Sum	5451.36	-58.120	9.260	46.370	Average	54	Pass
ac20	5240	Sum	5460	-51.171	9.260	53.319	Peak	68.2	Pass
ac20	5240	Sum	5460	-59.548	9.260	44.942	Average	54	Pass
ac40	5190	Sum	4500	-51.714	9.260	52.776	Peak	68.2	Pass
ac40	5190	Sum	4500	-61.638	9.260	42.852	Average	54	Pass
ac40	5190	Sum	4913.91	-48.346	9.260	56.144	Peak	68.2	Pass
ac40	5190	Sum	4965.01	-58.322	9.260	46.168	Average	54	Pass

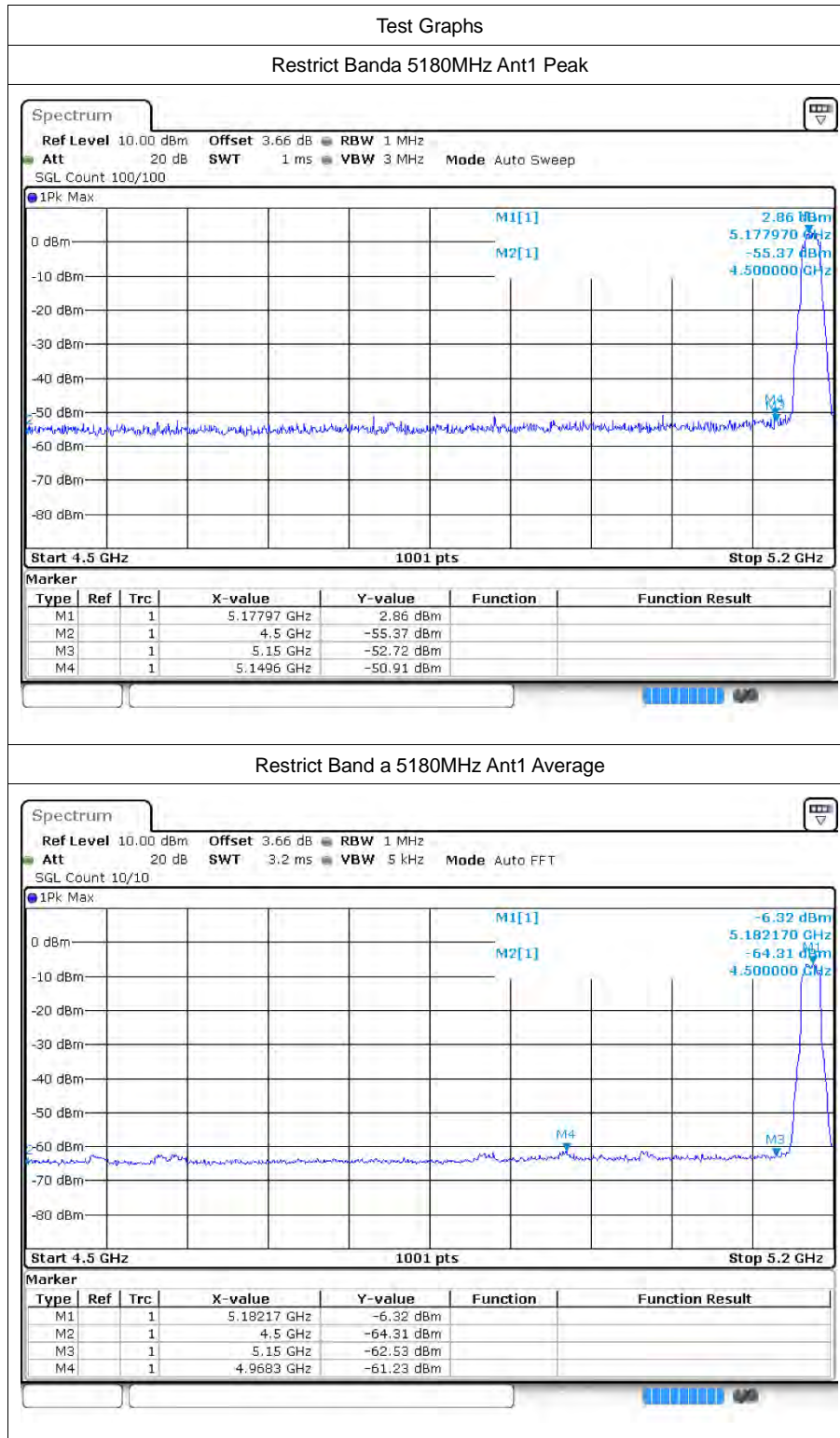


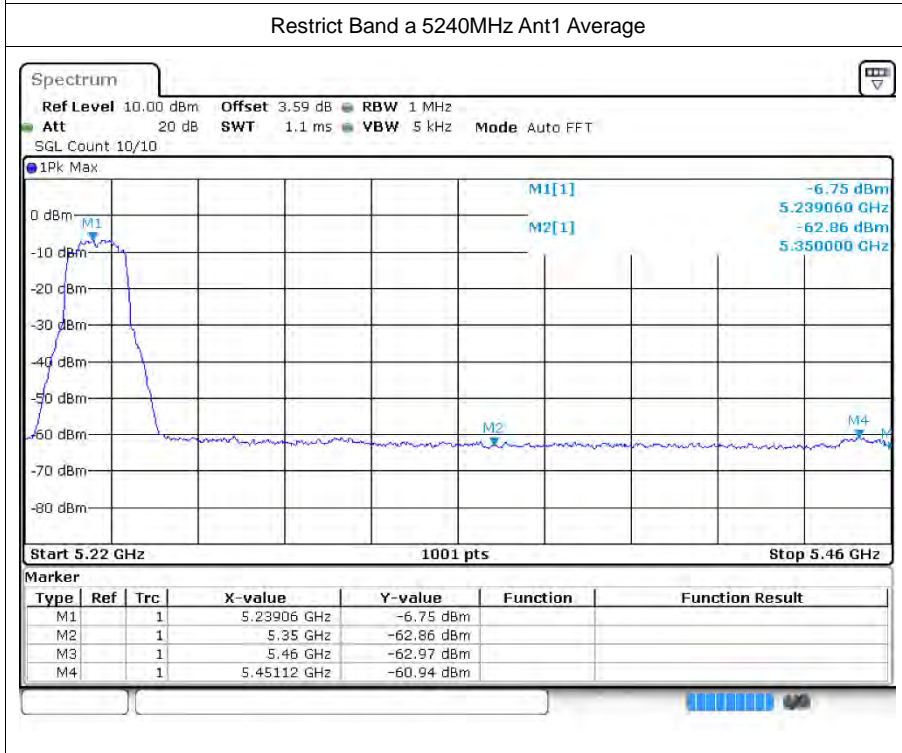
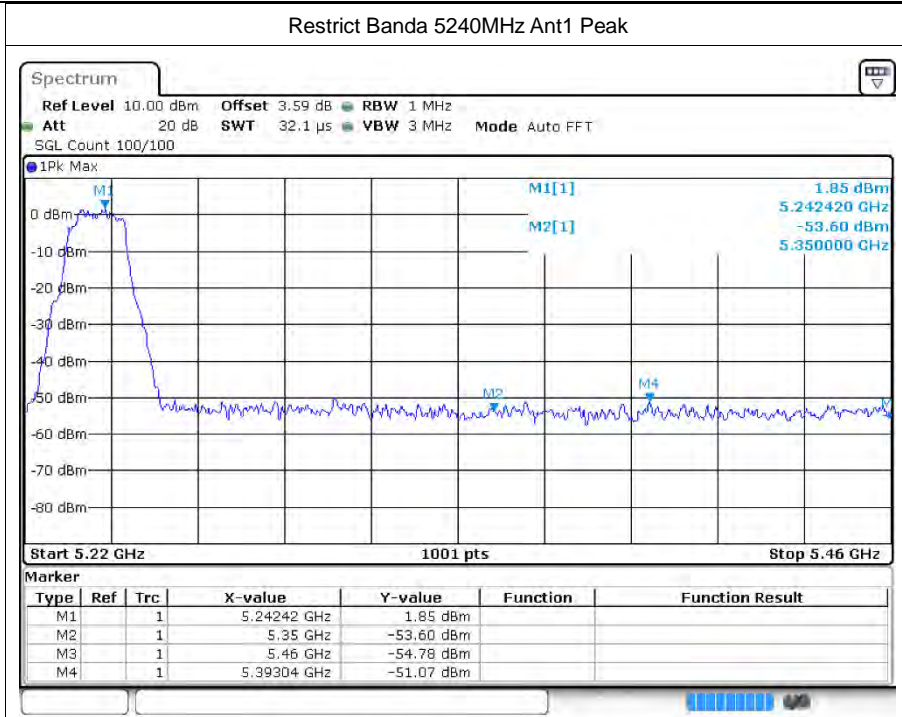
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ac40	5190	Sum	5150	-59.322	9.260	45.168	Average	54	Pass
ac40	5230	Sum	5350	-51.833	9.260	52.657	Peak	68.2	Pass
ac40	5230	Sum	5350	-59.595	9.260	44.895	Average	54	Pass
ac40	5230	Sum	5425.98	-48.469	9.260	56.021	Peak	68.2	Pass
ac40	5230	Sum	5450.82	-57.758	9.260	46.732	Average	54	Pass
ac40	5230	Sum	5460	-51.417	9.260	53.073	Peak	68.2	Pass
ac40	5230	Sum	5460	-59.748	9.260	44.742	Average	54	Pass
ac80	5210	Sum	4500	-44.764	9.260	59.726	Peak	68.2	Pass
ac80	5210	Sum	4500	-52.558	9.260	51.932	Average	54	Pass
ac80	5210	Sum	4973.21	-40.268	9.260	64.222	Peak	68.2	Pass
ac80	5210	Sum	4966.89	-50.605	9.26	53.885	Average	54	Pass
ac80	5210	Sum	5150	-42.830	9.260	61.660	Peak	68.2	Pass
ac80	5210	Sum	5150	-51.606	9.260	52.884	Average	54	Pass
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ax20	5180	Sum	4500	-61.567	9.260	42.923	Average	54	Pass
ax20	5180	Sum	4567.9	-48.410	9.260	56.080	Peak	68.2	Pass
ax20	5180	Sum	4962.7	-57.960	9.260	46.530	Average	54	Pass
ax20	5180	Sum	5150	-49.934	9.260	54.556	Peak	68.2	Pass
ax20	5180	Sum	5150	-60.189	9.260	44.301	Average	54	Pass
ax20	5240	Sum	5350	-50.912	9.260	53.578	Peak	68.2	Pass
ax20	5240	Sum	5350	-60.144	9.260	44.346	Average	54	Pass
ax20	5240	Sum	5453.76	-47.379	9.260	57.111	Peak	68.2	Pass
ax20	5240	Sum	5448.96	-57.737	9.260	46.753	Average	54	Pass
ax20	5240	Sum	5460	-51.899	9.260	52.591	Peak	68.2	Pass
ax20	5240	Sum	5460	-59.764	9.260	44.726	Average	54	Pass
ax40	5190	Sum	4500	-52.159	9.260	52.331	Peak	68.2	Pass
ax40	5190	Sum	4500	-61.332	9.260	43.158	Average	54	Pass
ax40	5190	Sum	5137.29	-48.110	9.260	56.380	Peak	68.2	Pass
ax40	5190	Sum	4963.55	-58.202	9.260	46.288	Average	54	Pass
ax40	5190	Sum	5150	-50.469	9.260	54.021	Peak	68.2	Pass
ax40	5190	Sum	5150	-59.577	9.260	44.913	Average	54	Pass
ax40	5230	Sum	5350	-50.089	9.260	54.401	Peak	68.2	Pass
ax40	5230	Sum	5350	-59.542	9.260	44.948	Average	54	Pass
ax40	5230	Sum	5412.48	-47.475	9.260	57.015	Peak	68.2	Pass
ax40	5230	Sum	5448.93	-57.727	9.260	46.763	Average	54	Pass
ax40	5230	Sum	5460	-51.475	9.260	53.015	Peak	68.2	Pass
ax40	5230	Sum	5460	-59.863	9.260	44.627	Average	54	Pass
ax80	5210	Sum	4500	-41.355	9.260	63.135	Peak	68.2	Pass
ax80	5210	Sum	4500	-50.651	9.260	53.839	Average	54	Pass
ax80	5210	Sum	5001.65	-37.535	9.260	66.955	Peak	68.2	Pass
ax80	5210	Sum	4966.89	-52.234	9.260	52.256	Average	54	Pass
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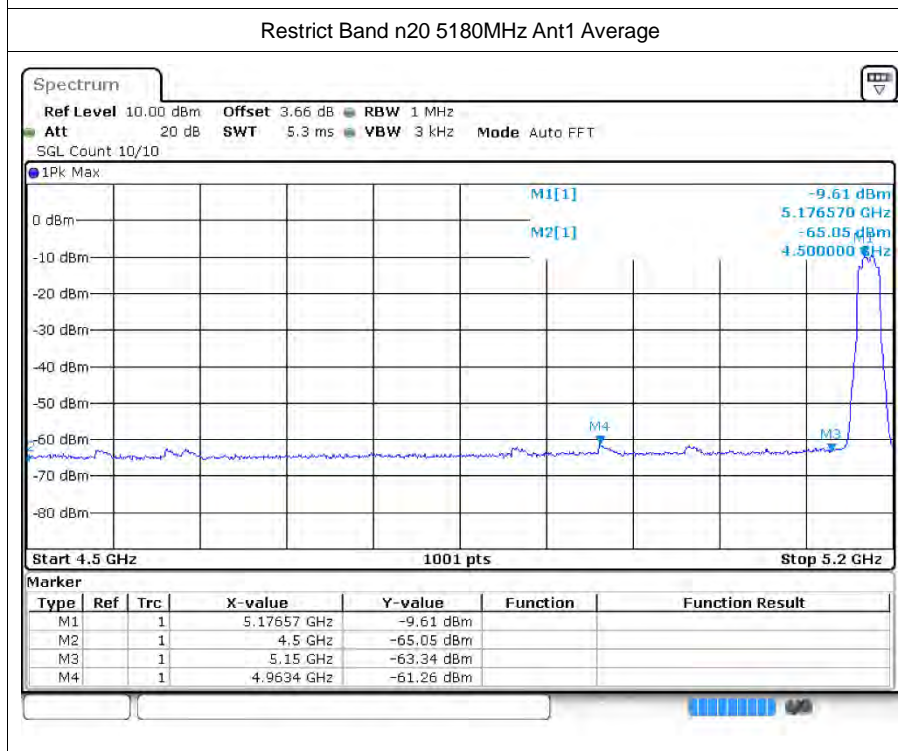
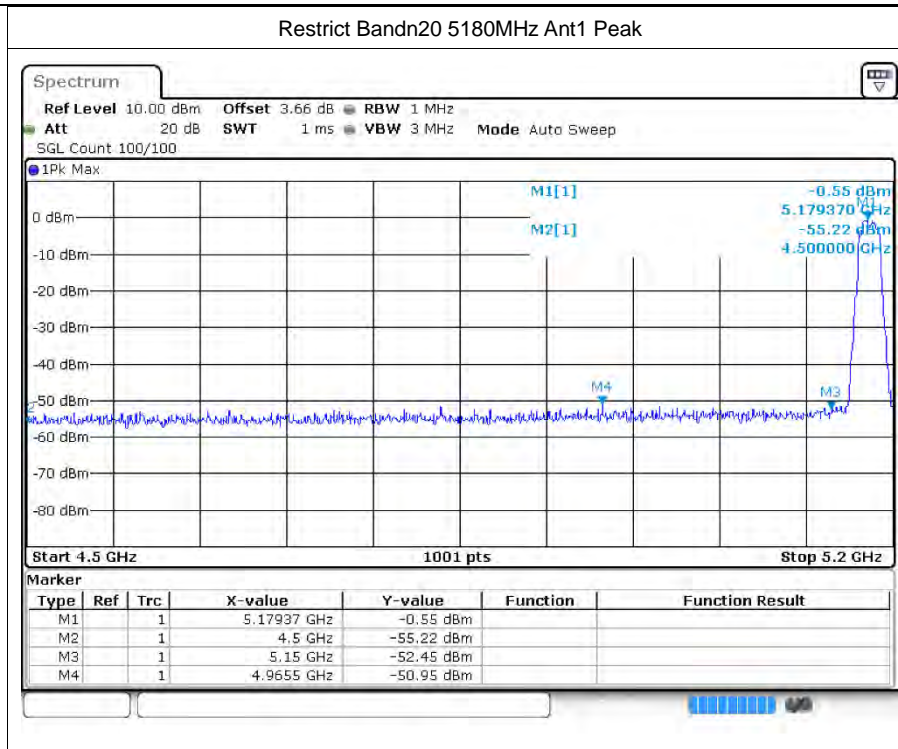


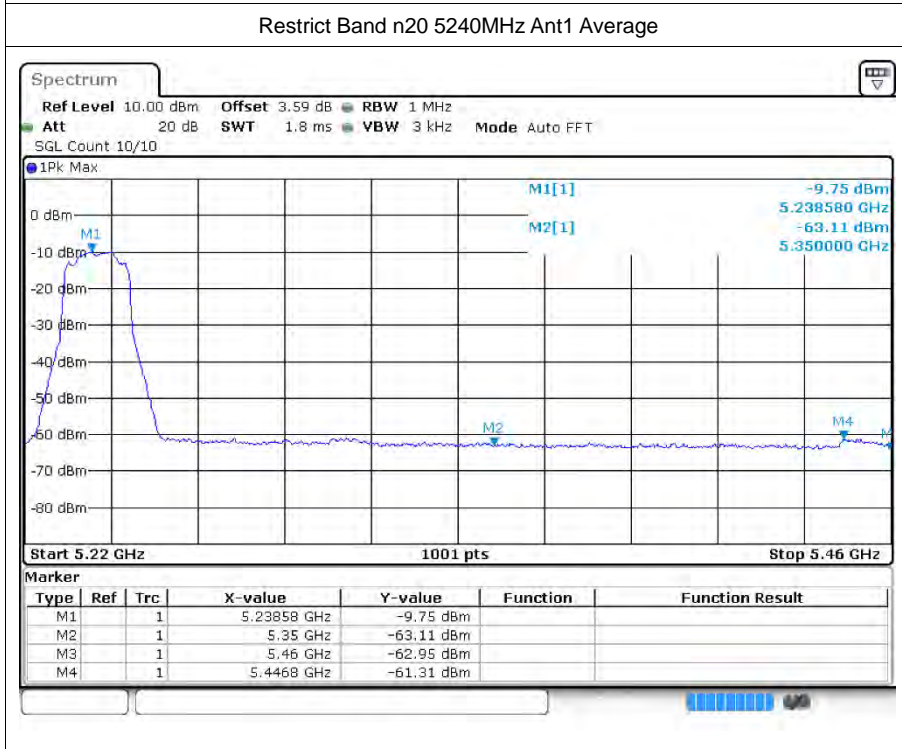
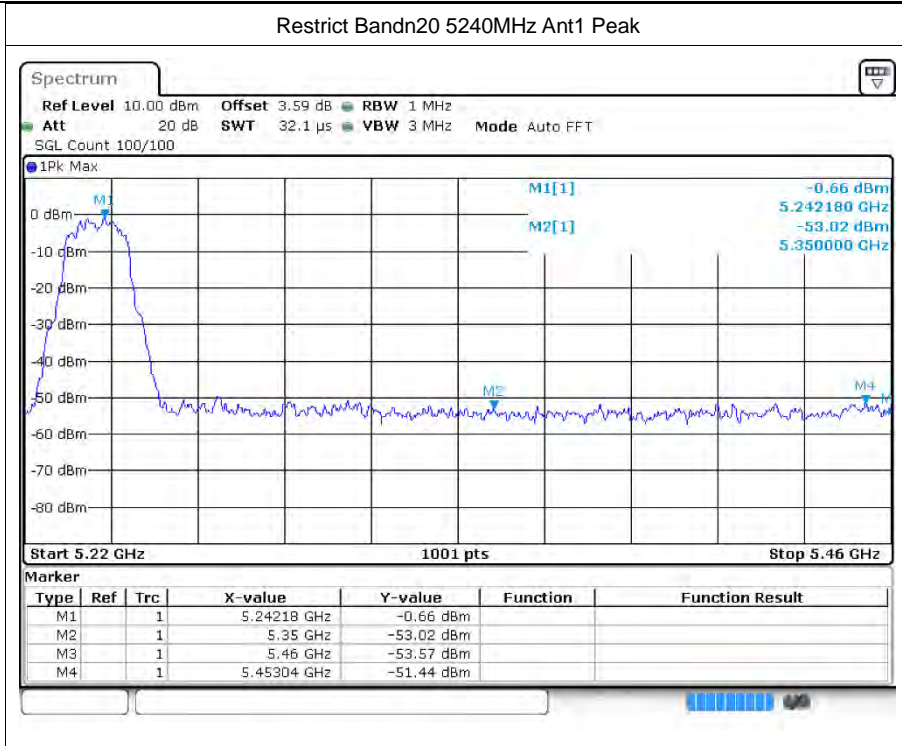
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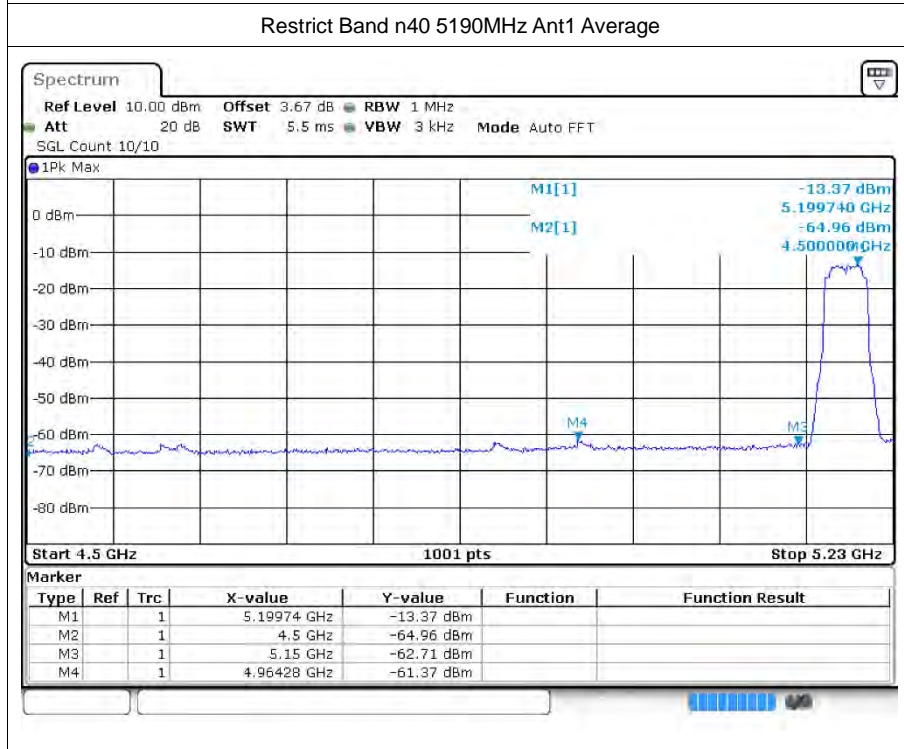
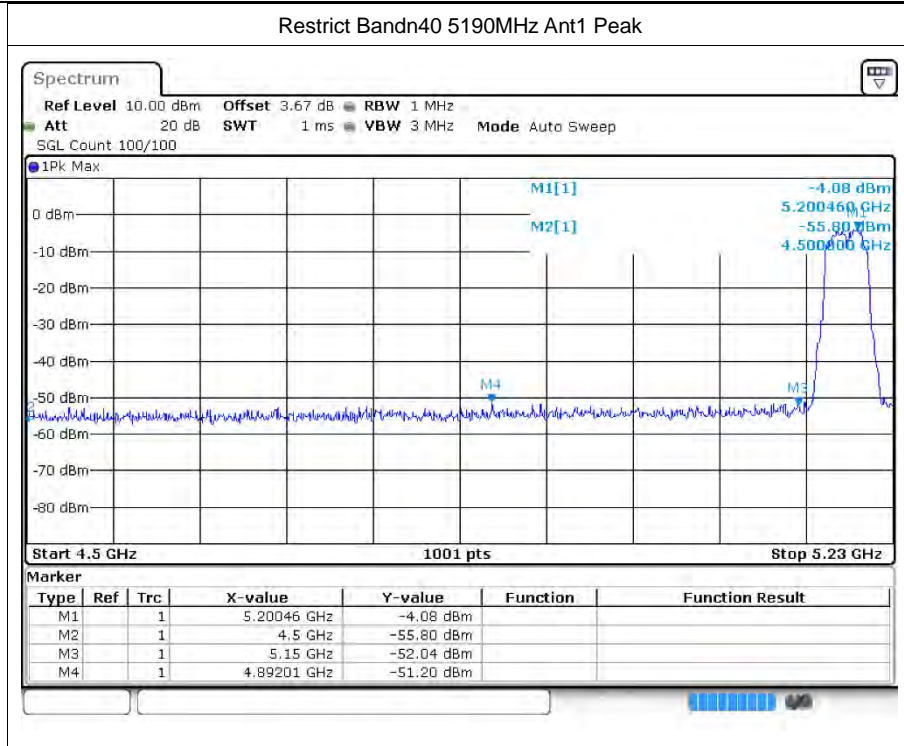
8.2 Test Graphs

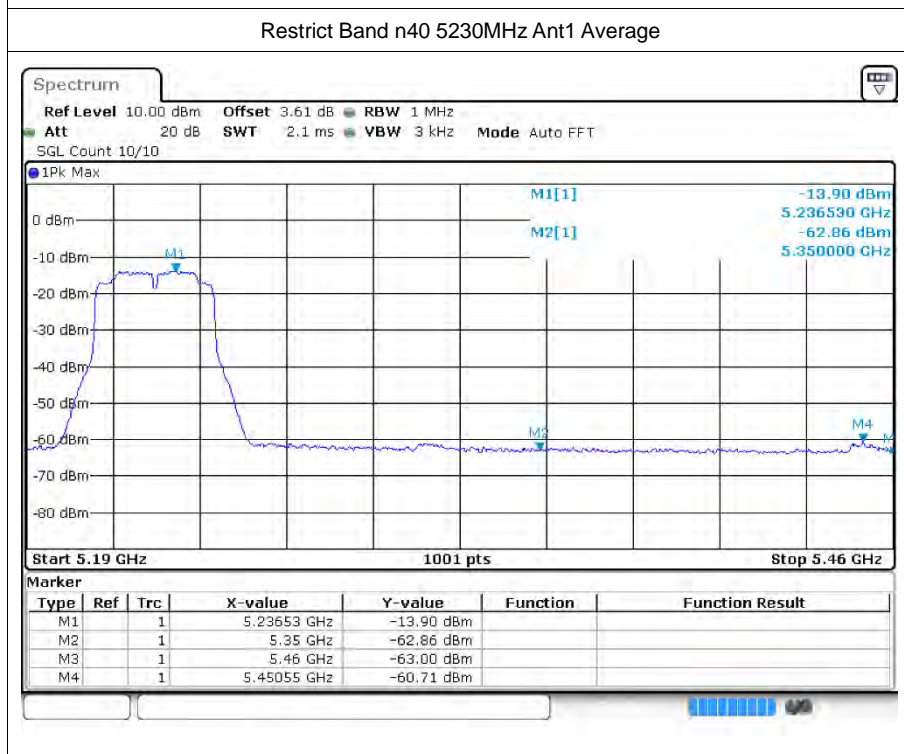
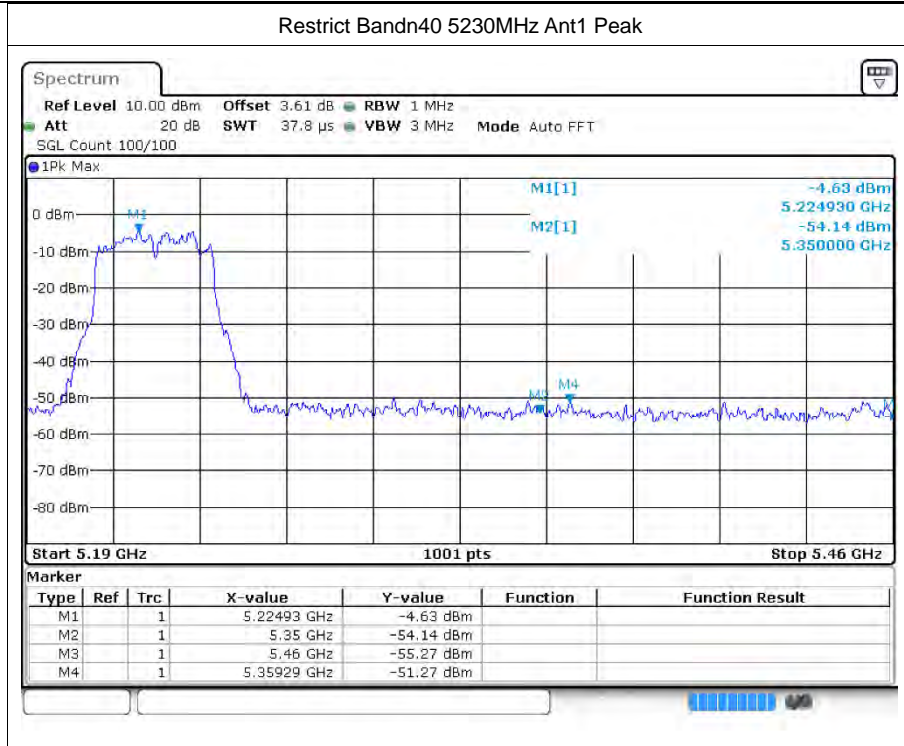


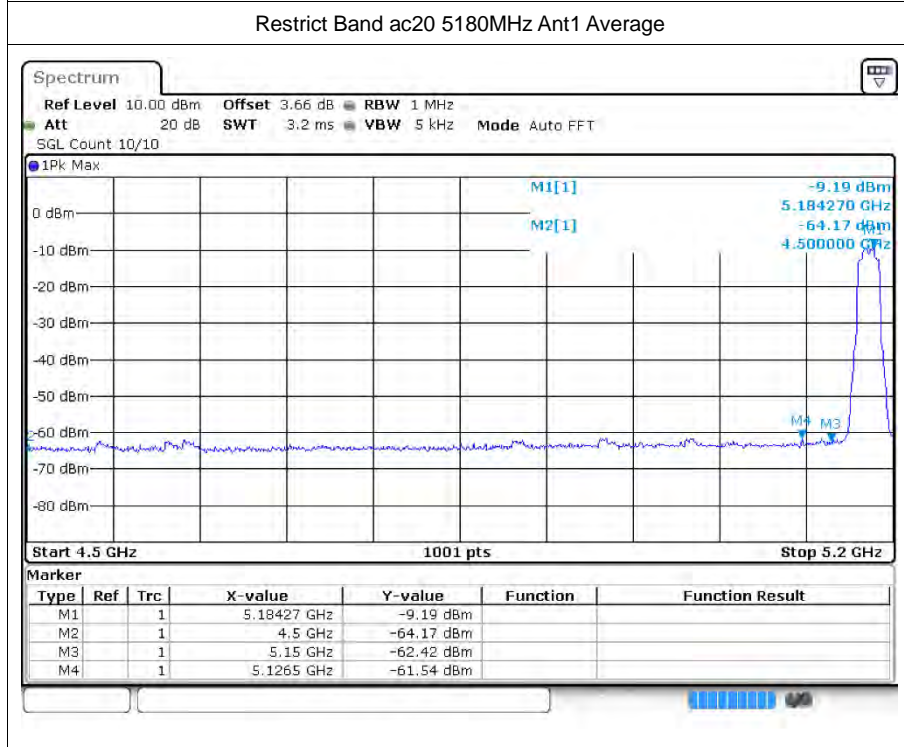
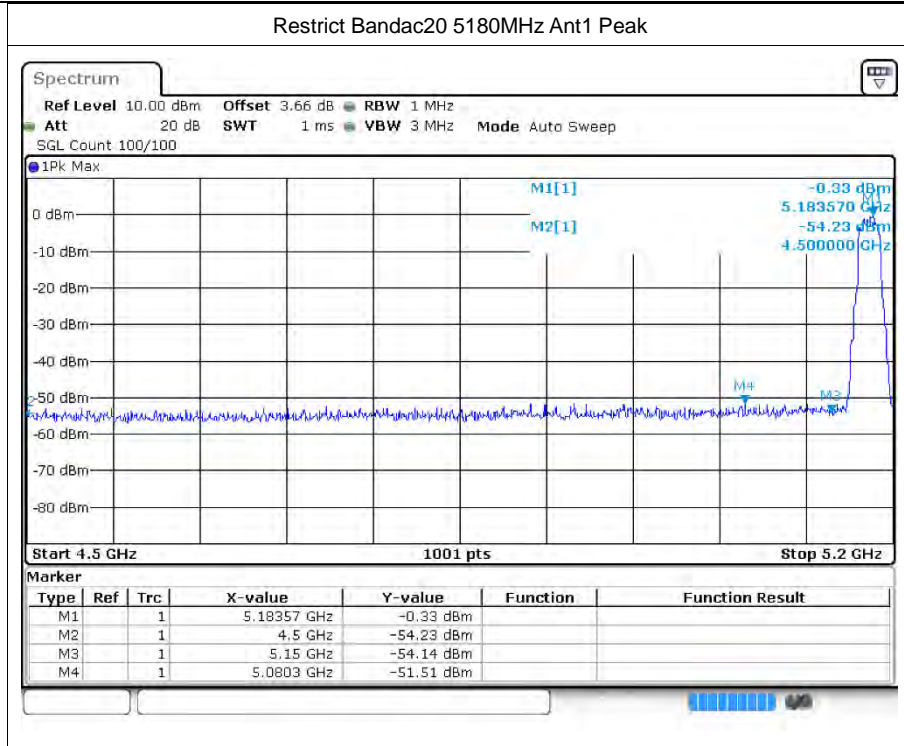


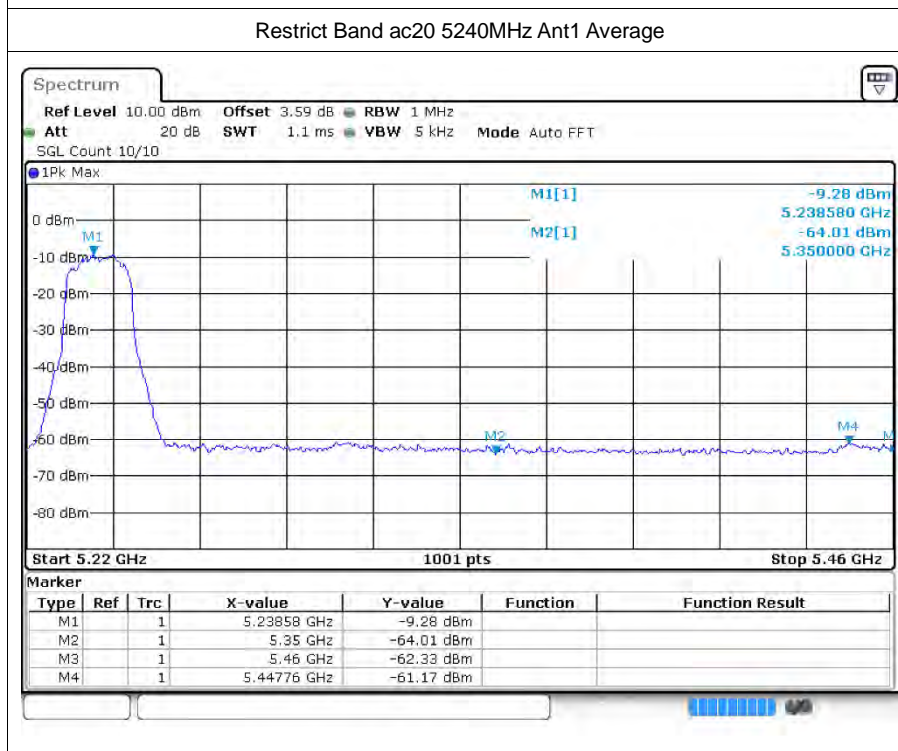
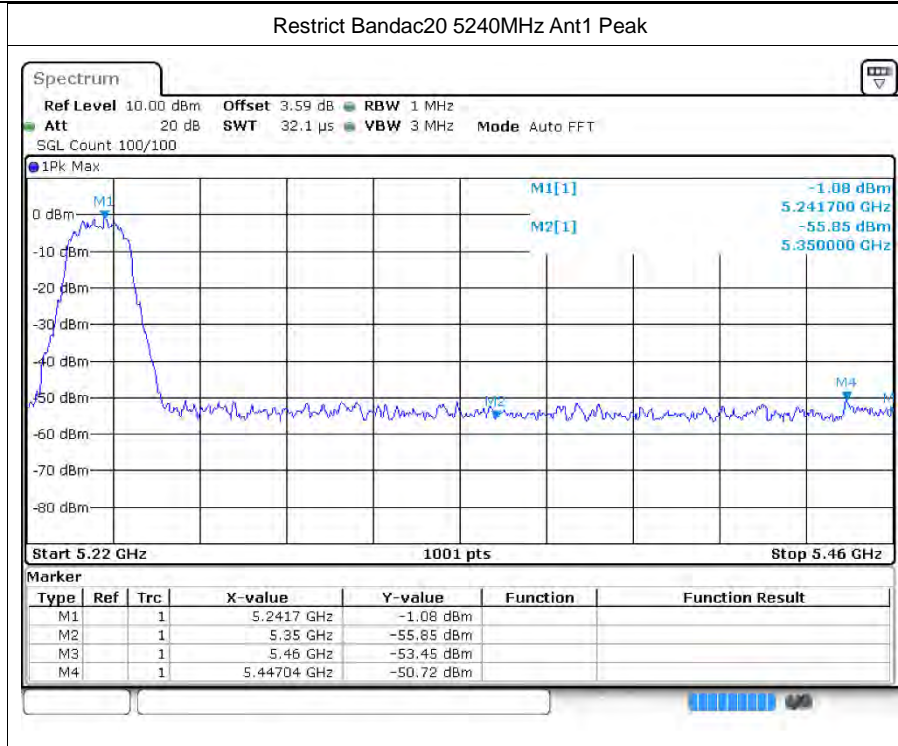


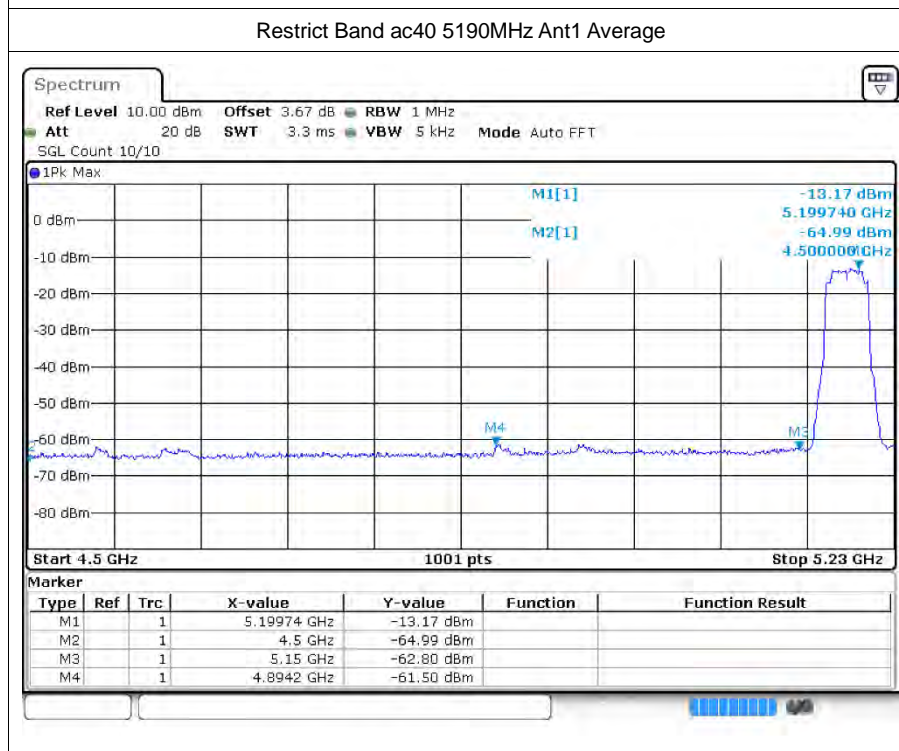
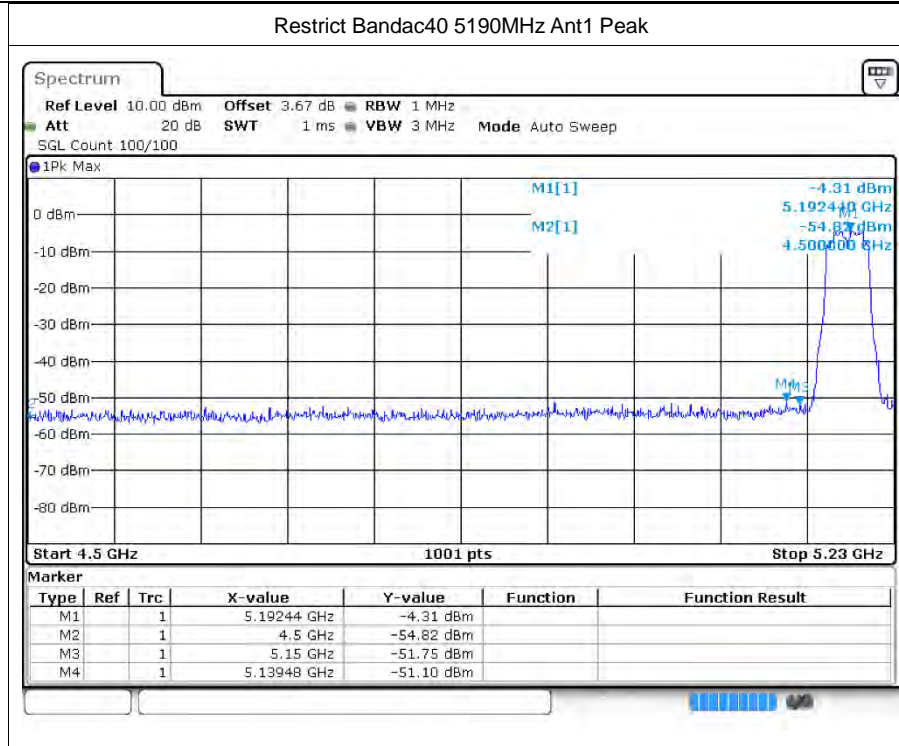


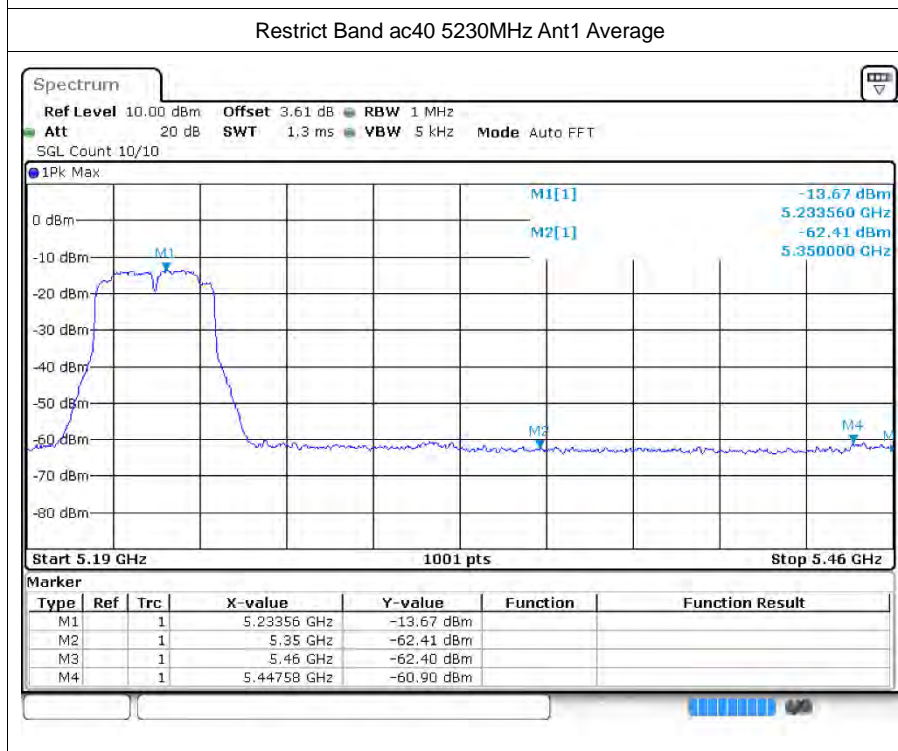
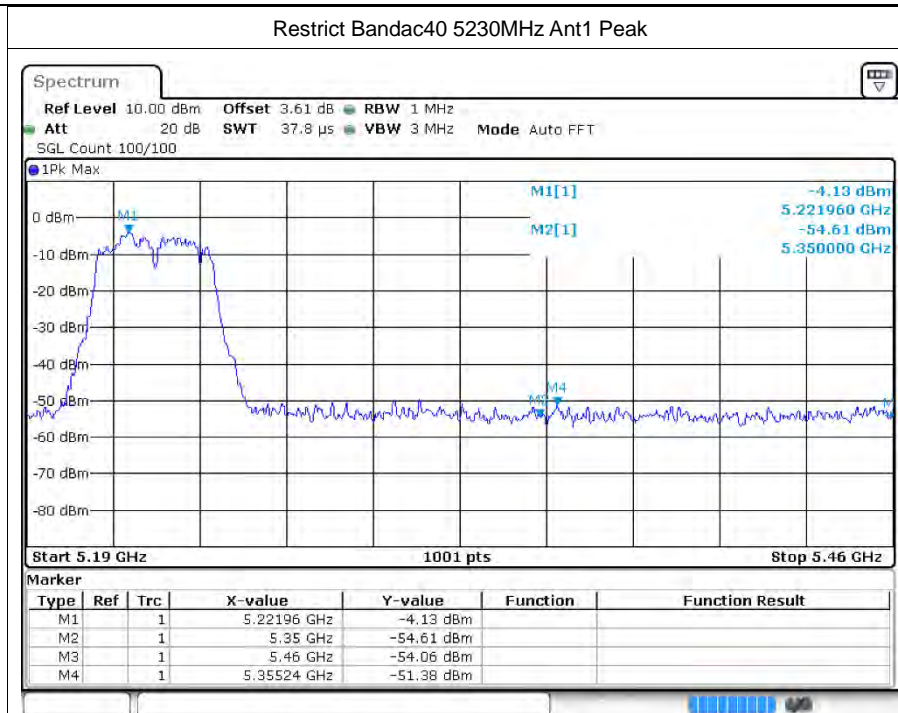


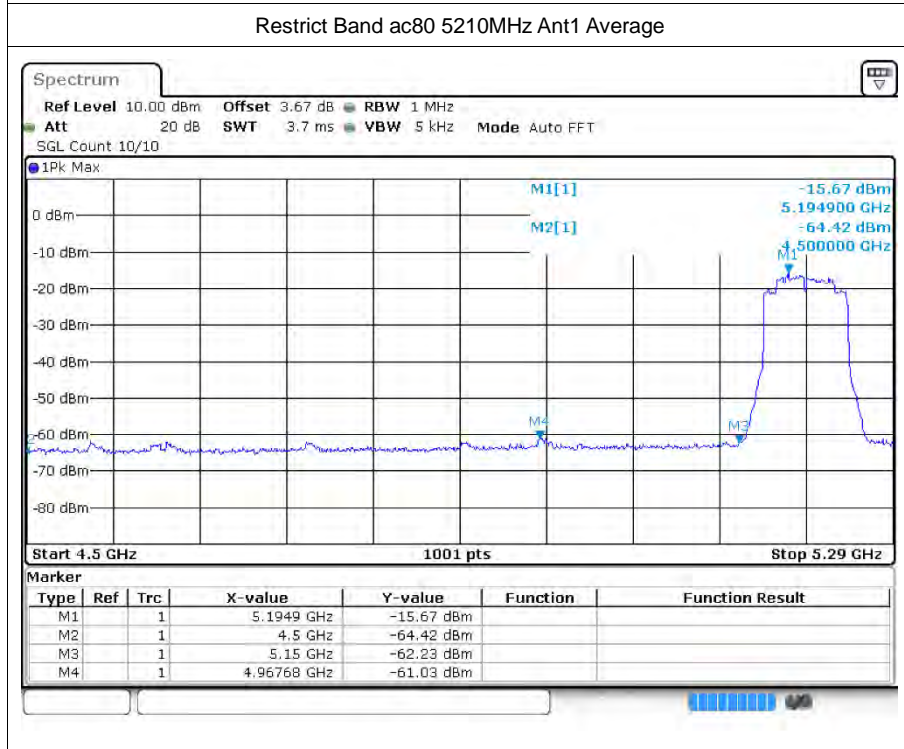
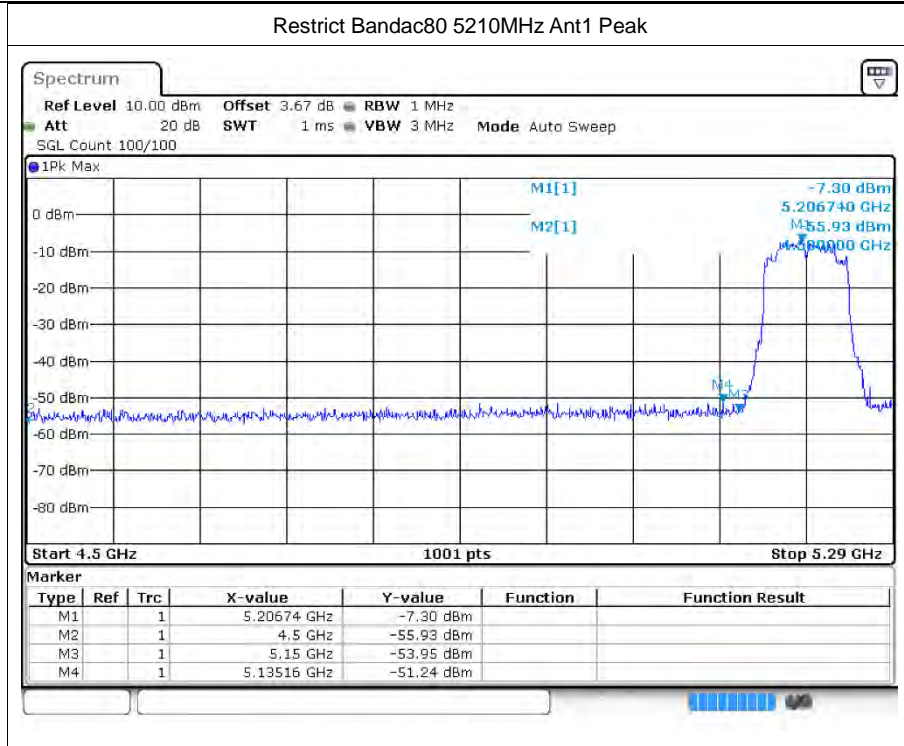


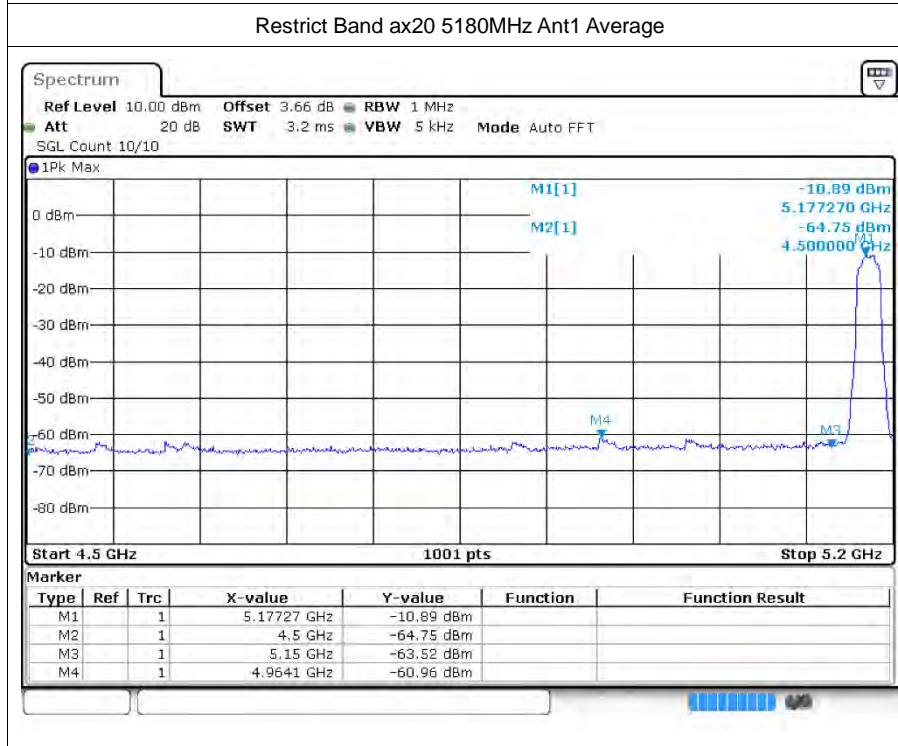
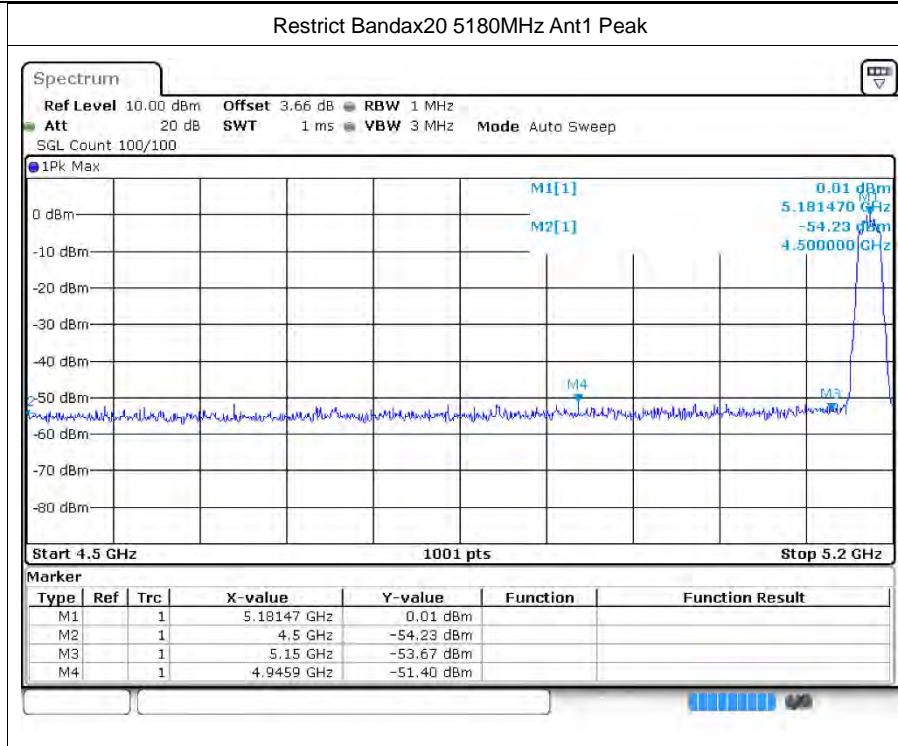


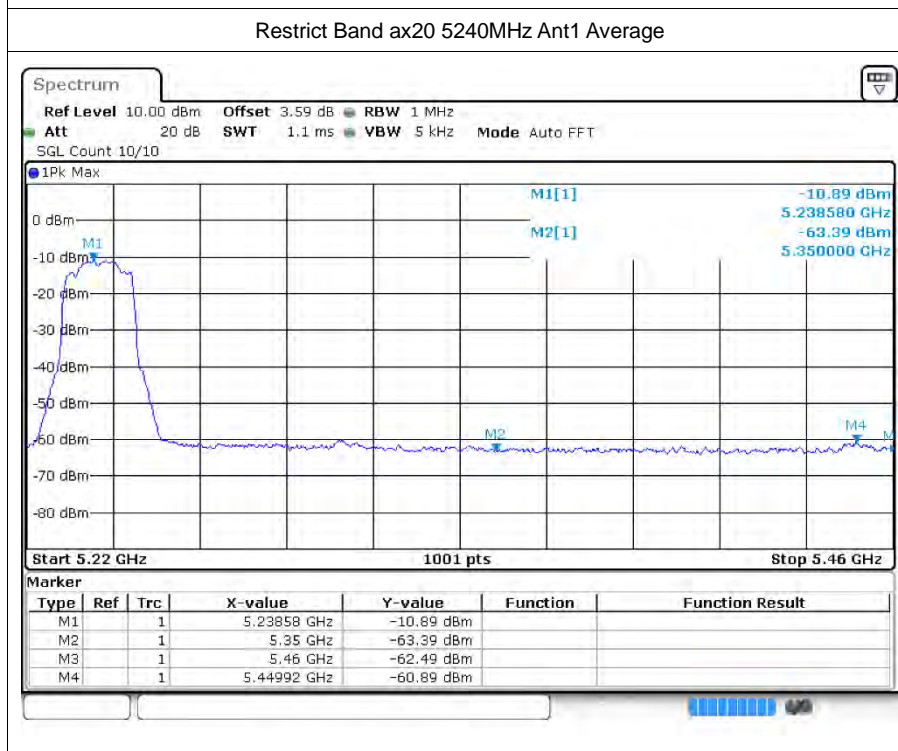
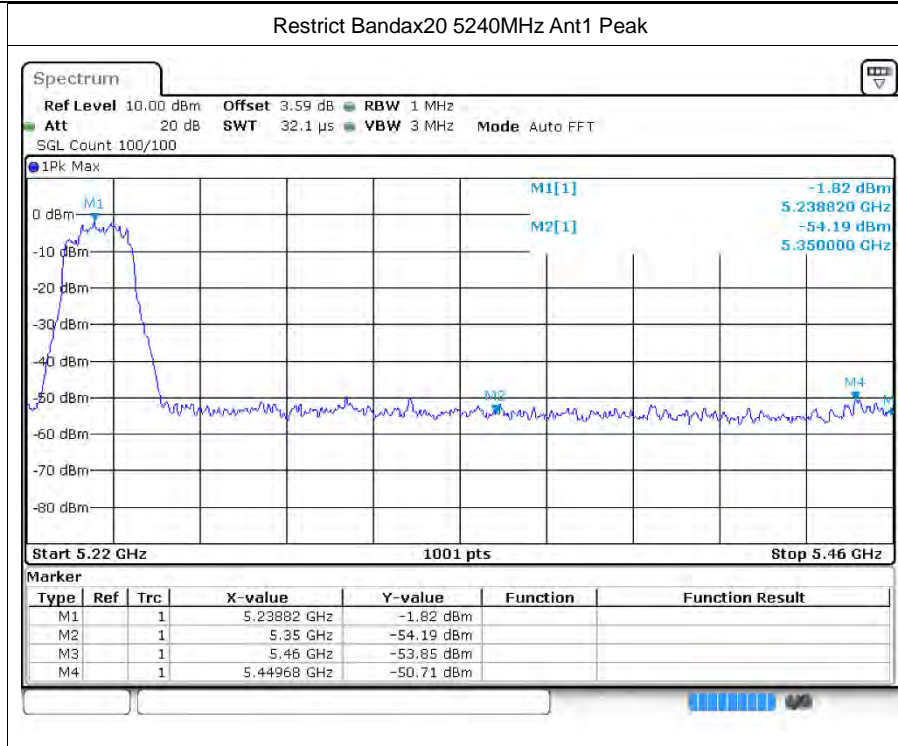






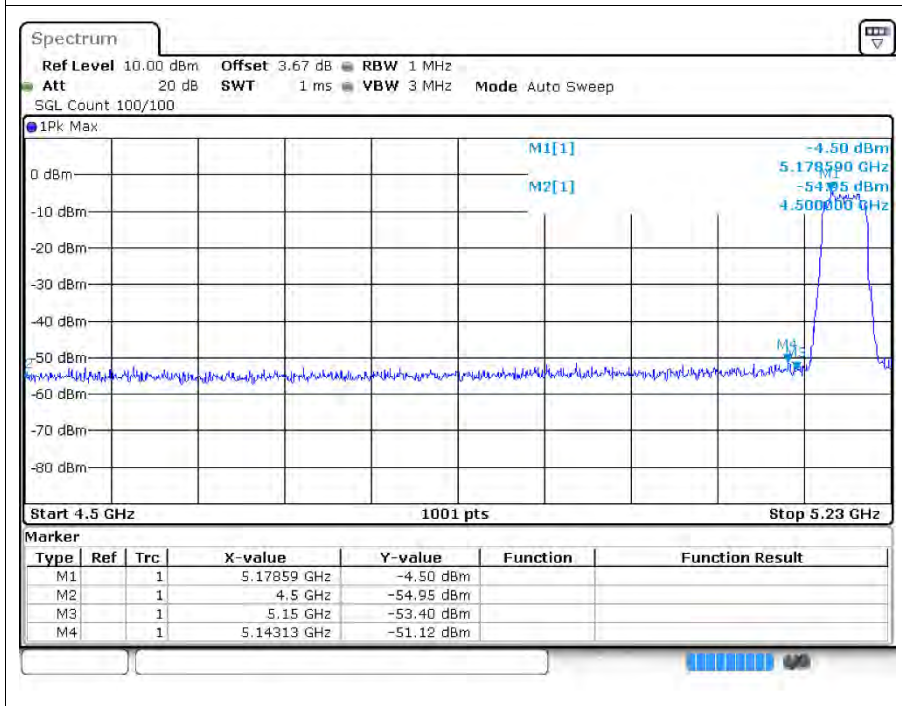




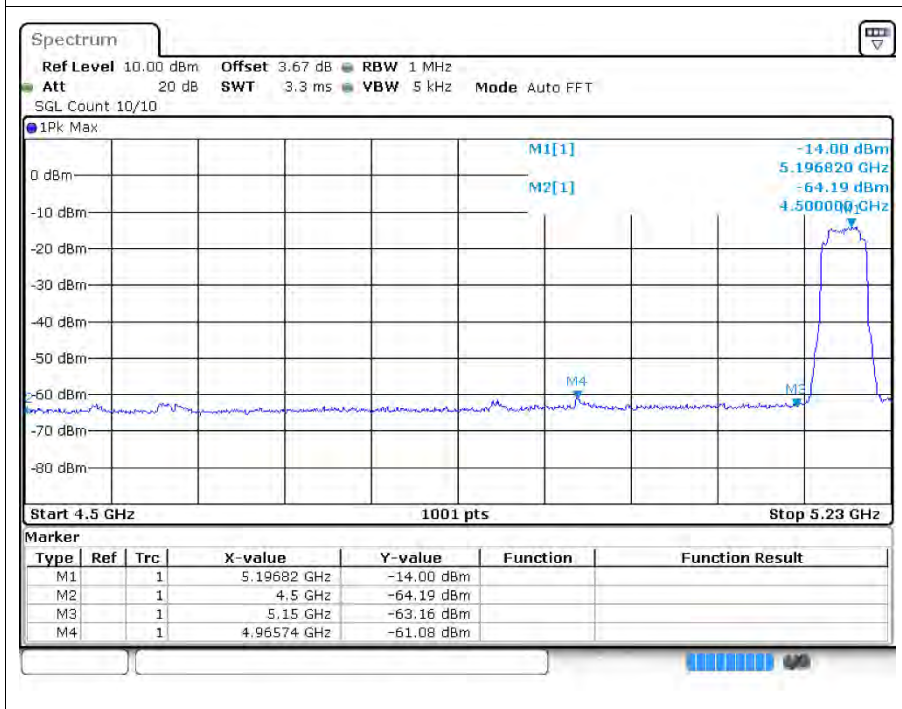


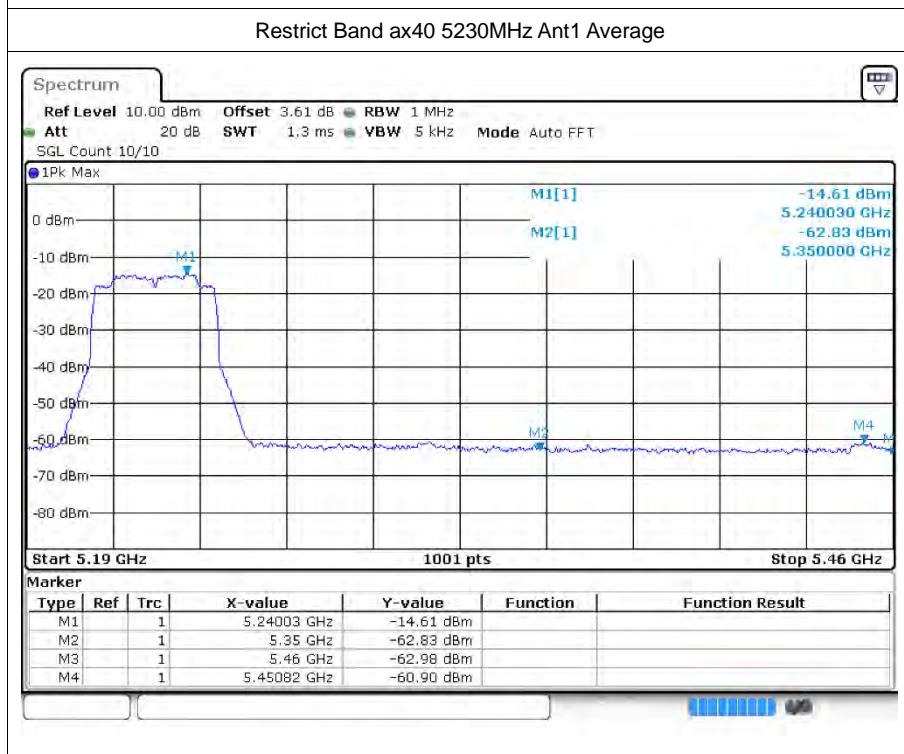
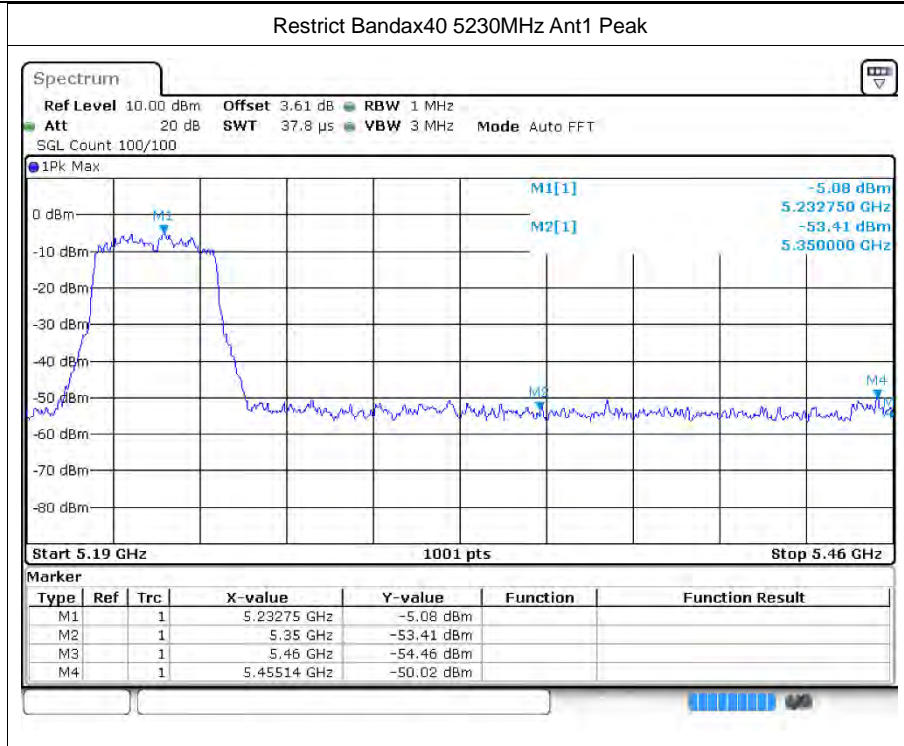


Restrict Bandax40 5190MHz Ant1 Peak



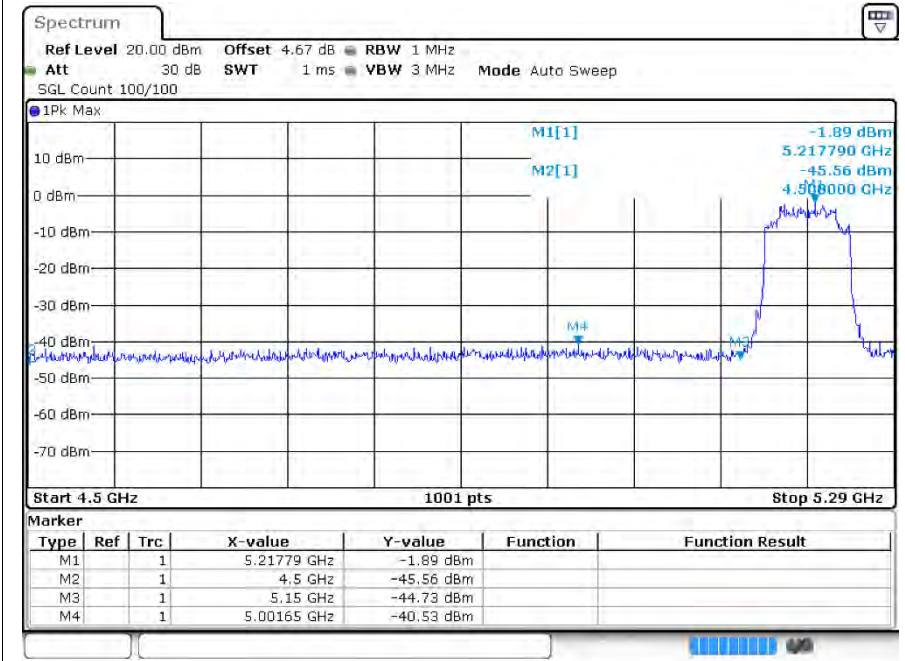
Restrict Band ax40 5190MHz Ant1 Average





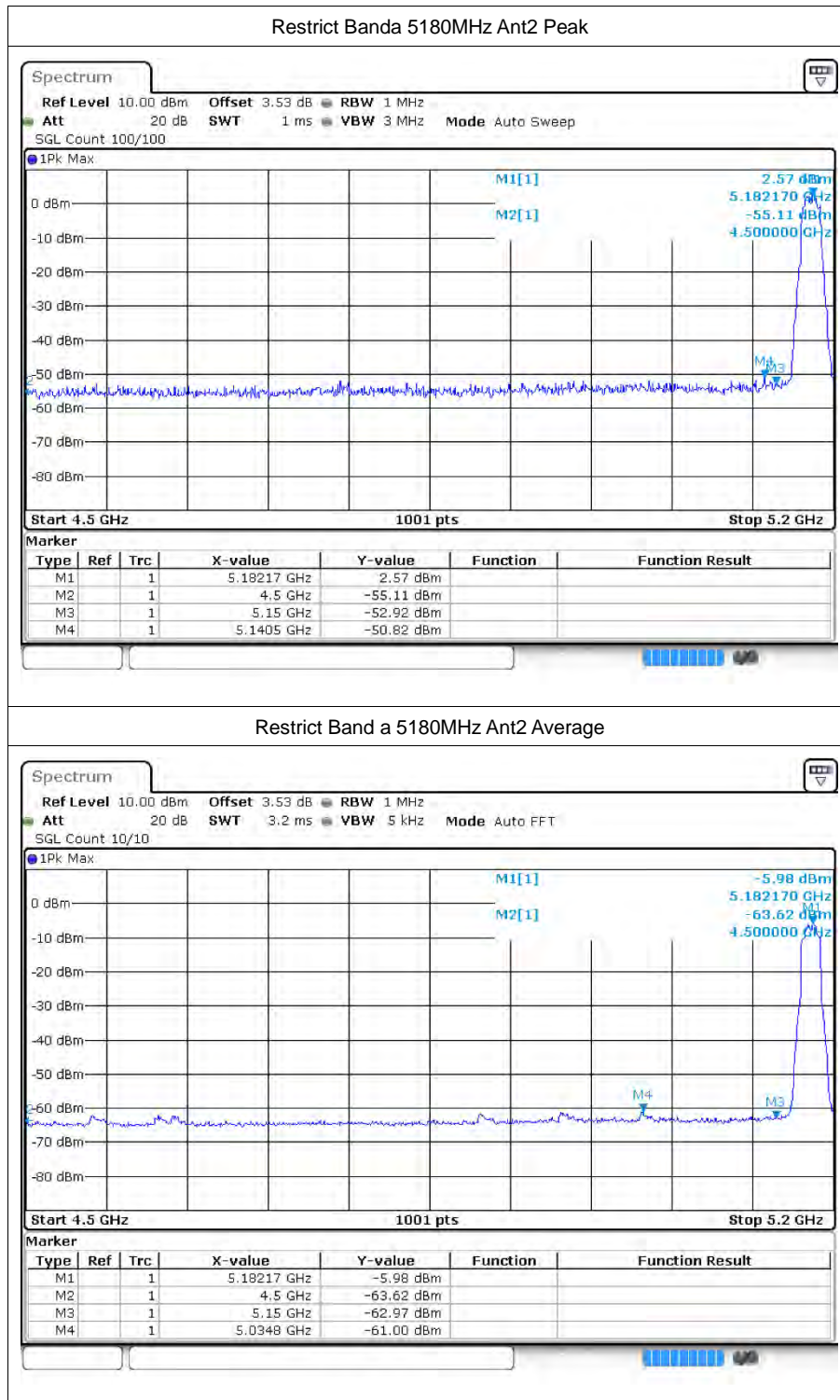


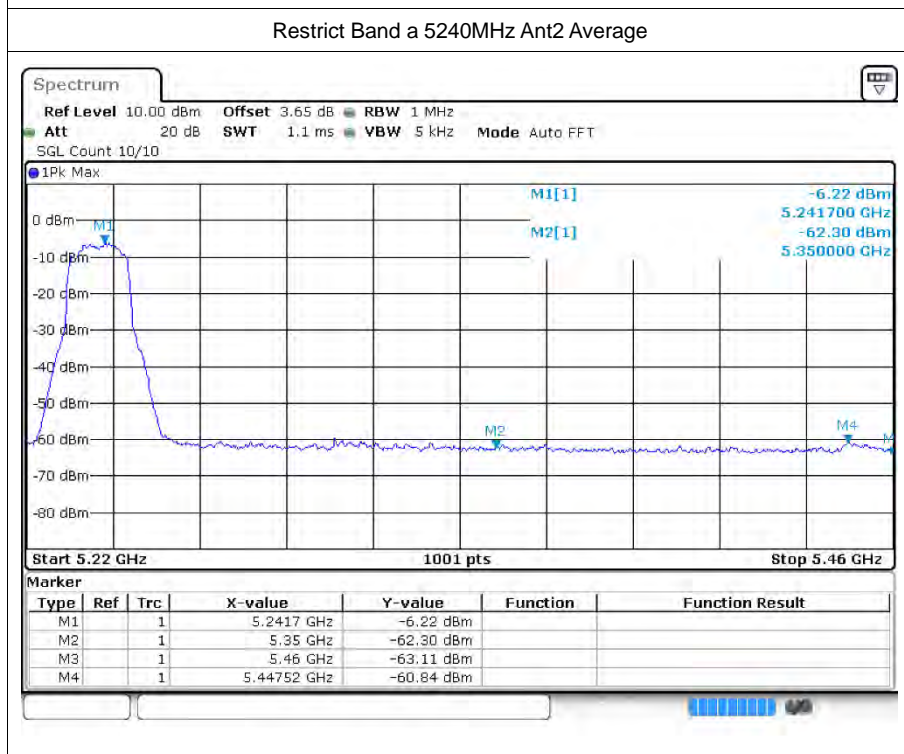
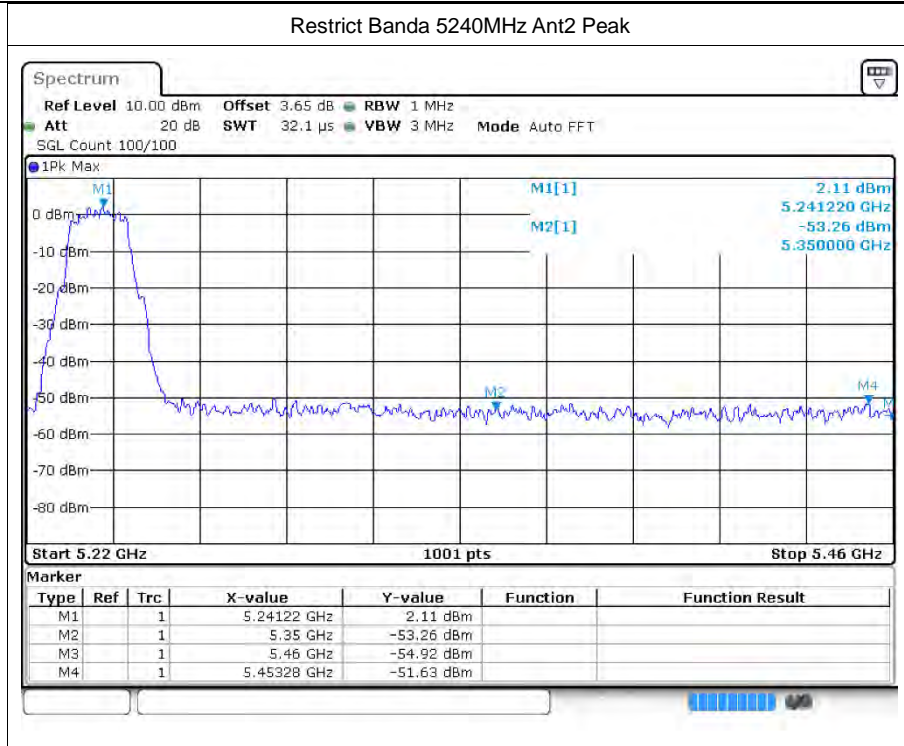
Restrict Bandax80 5210MHz Ant1 Peak

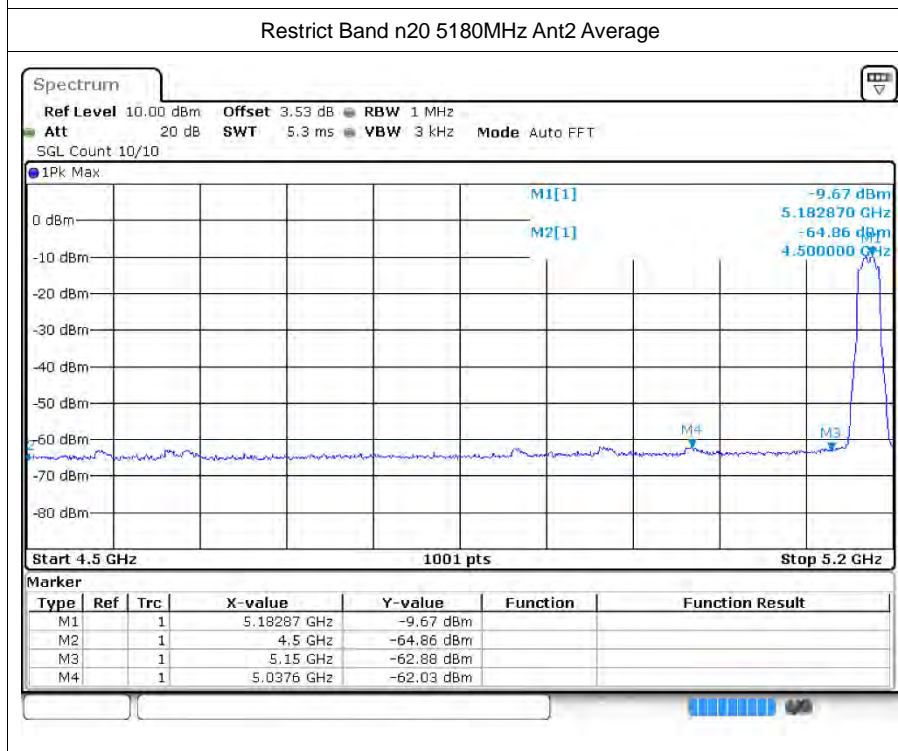
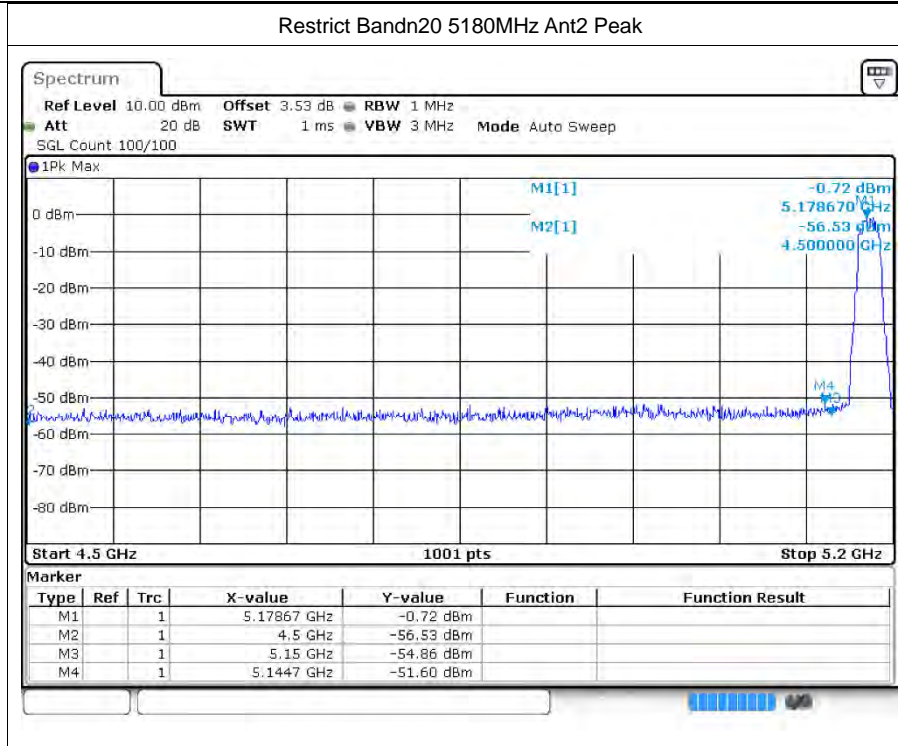


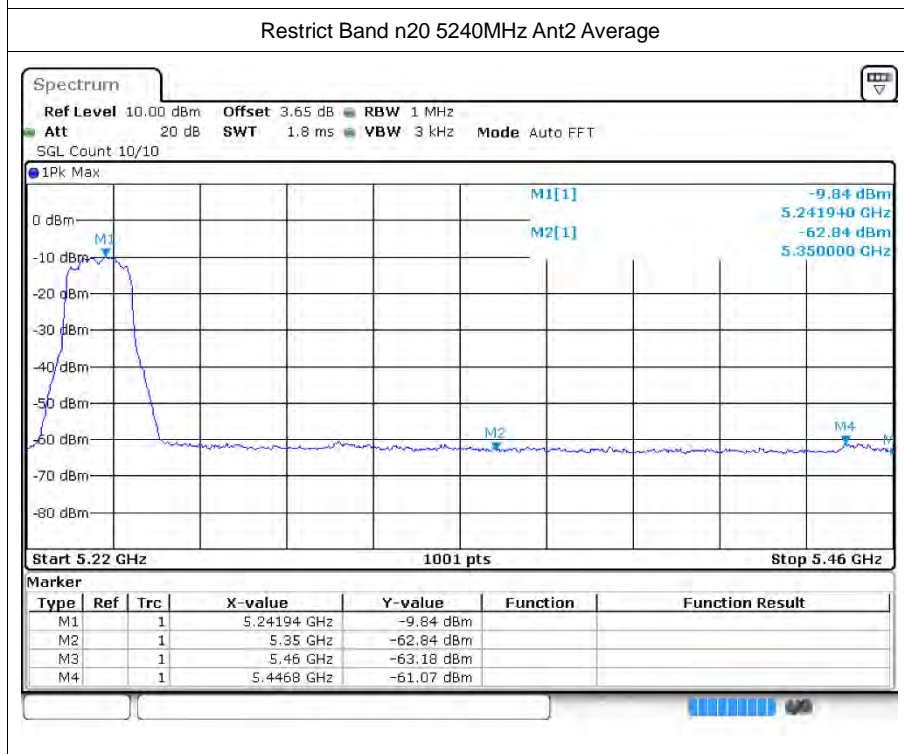
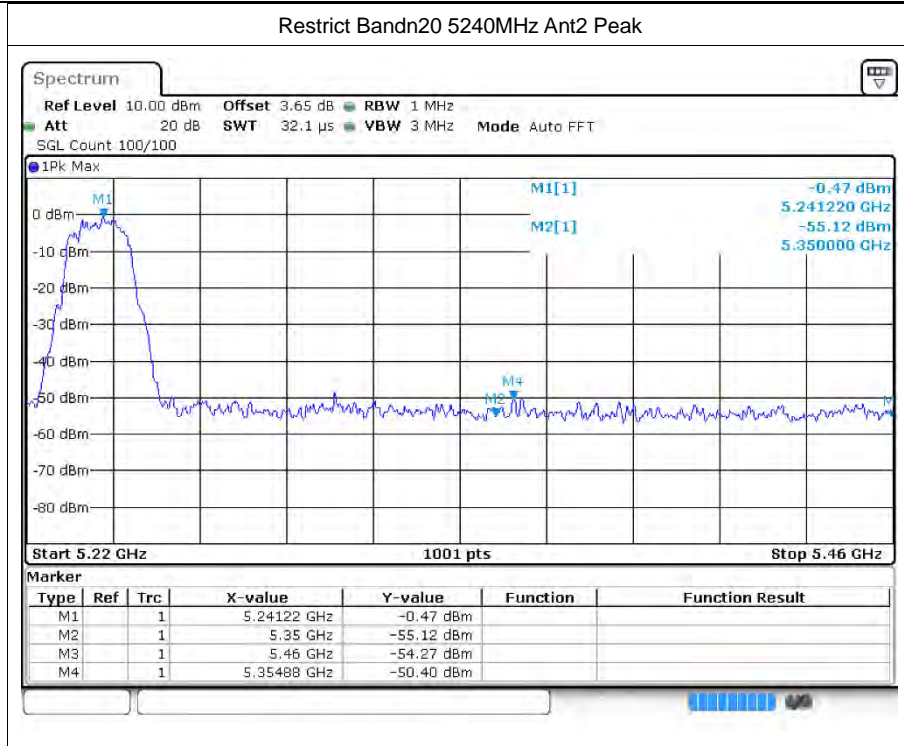
Restrict Band ax80 5210MHz Ant1 Average

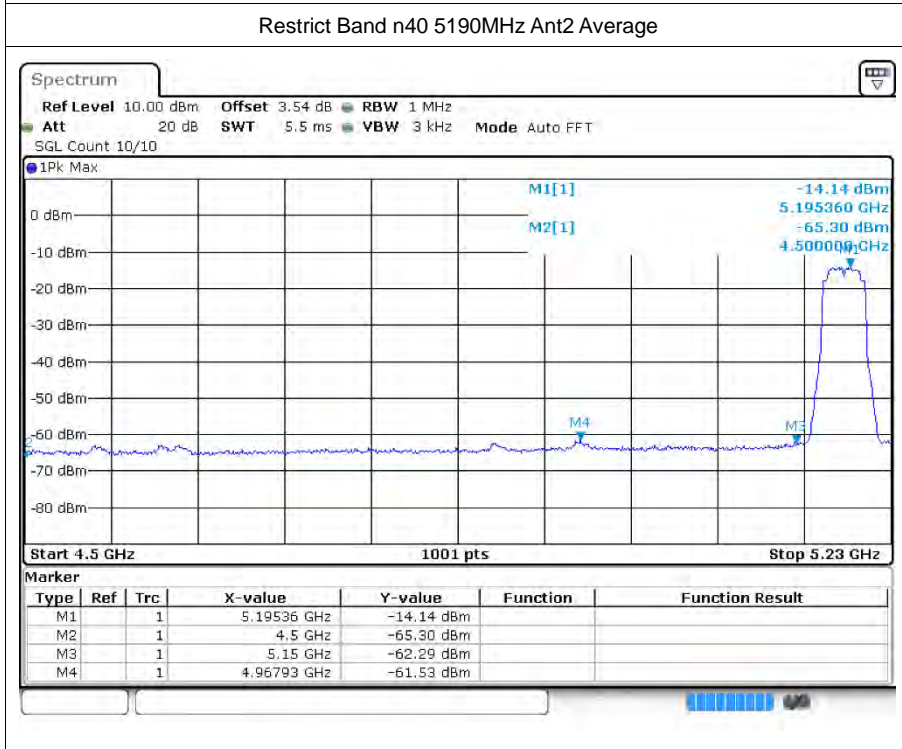
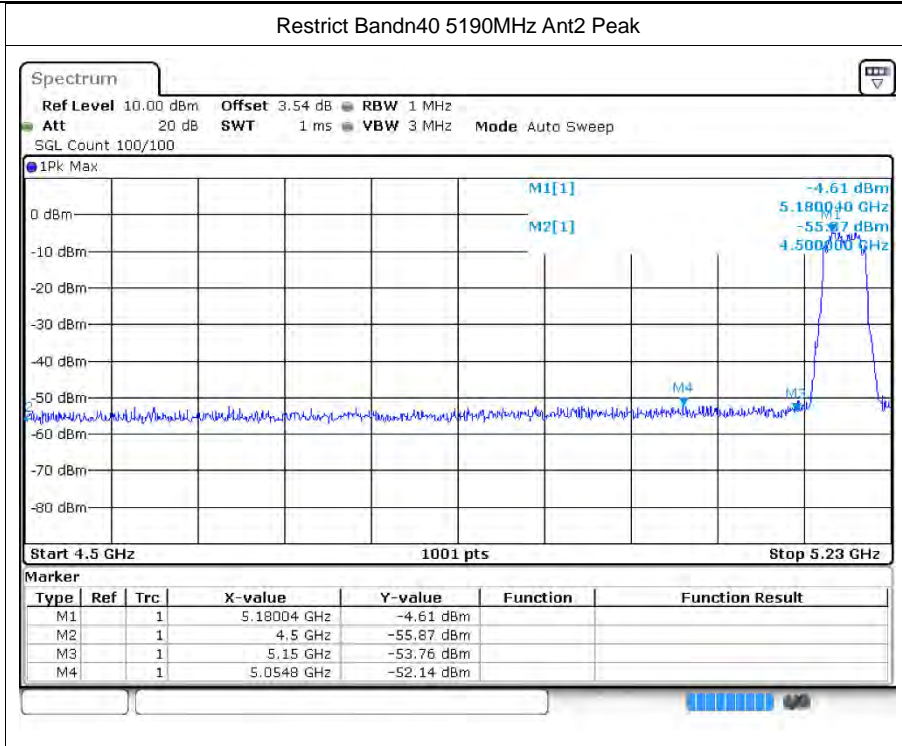


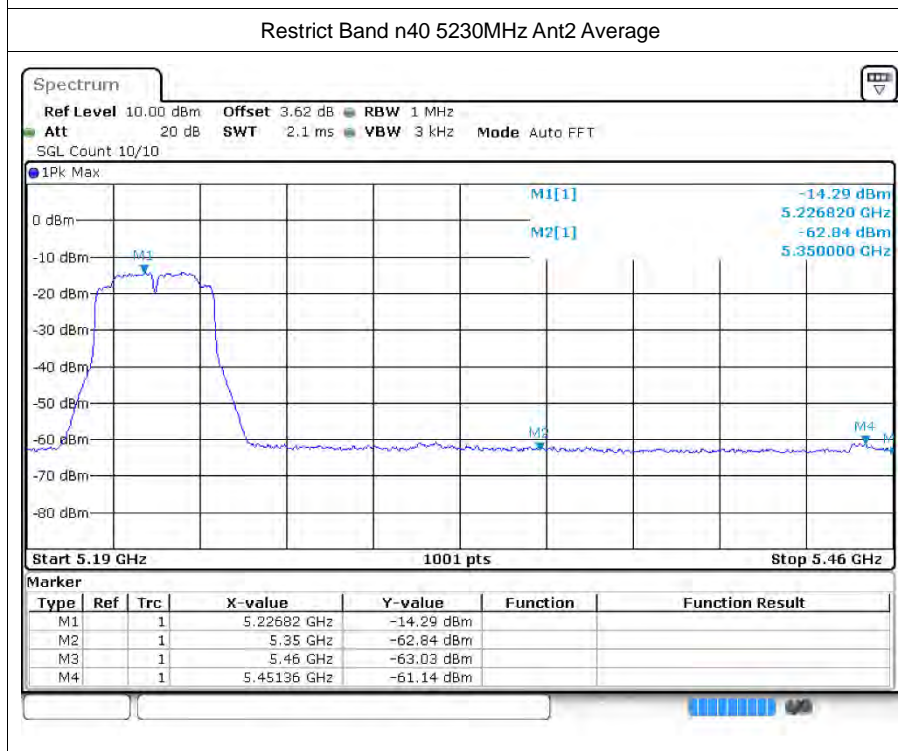
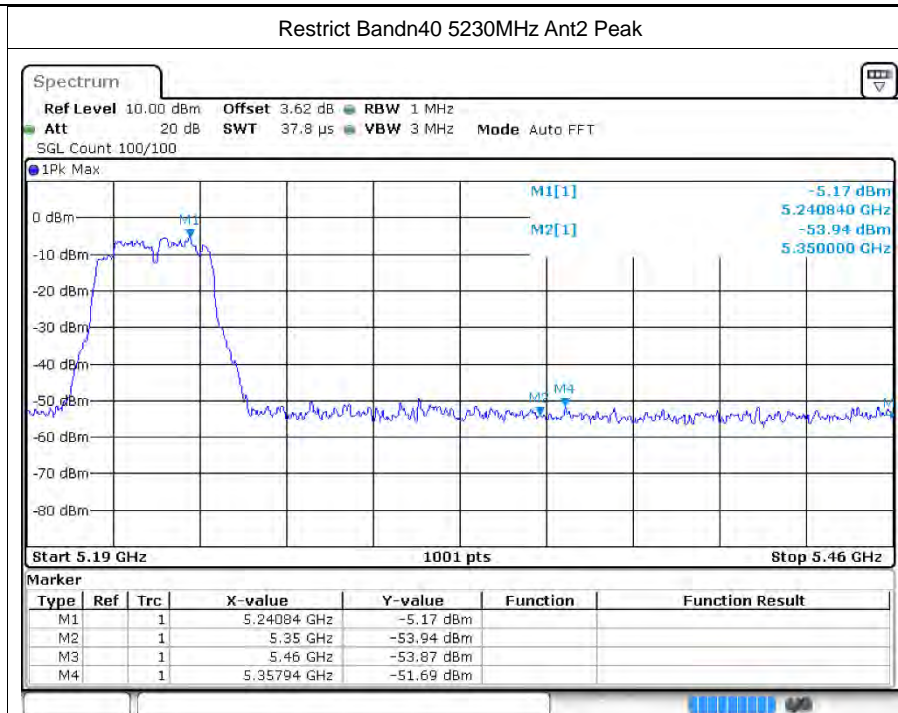


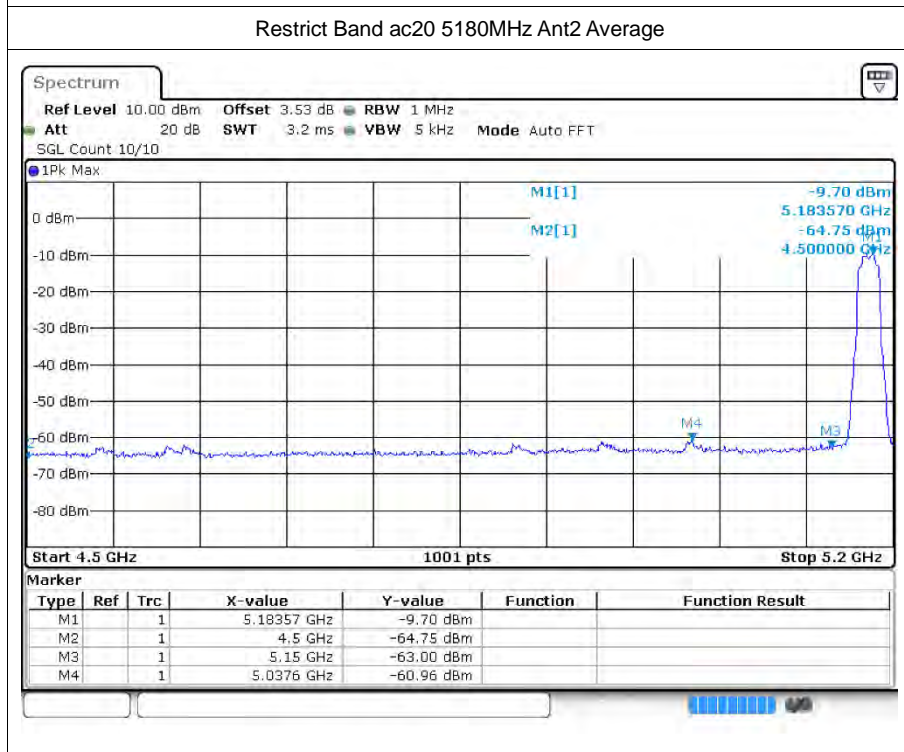
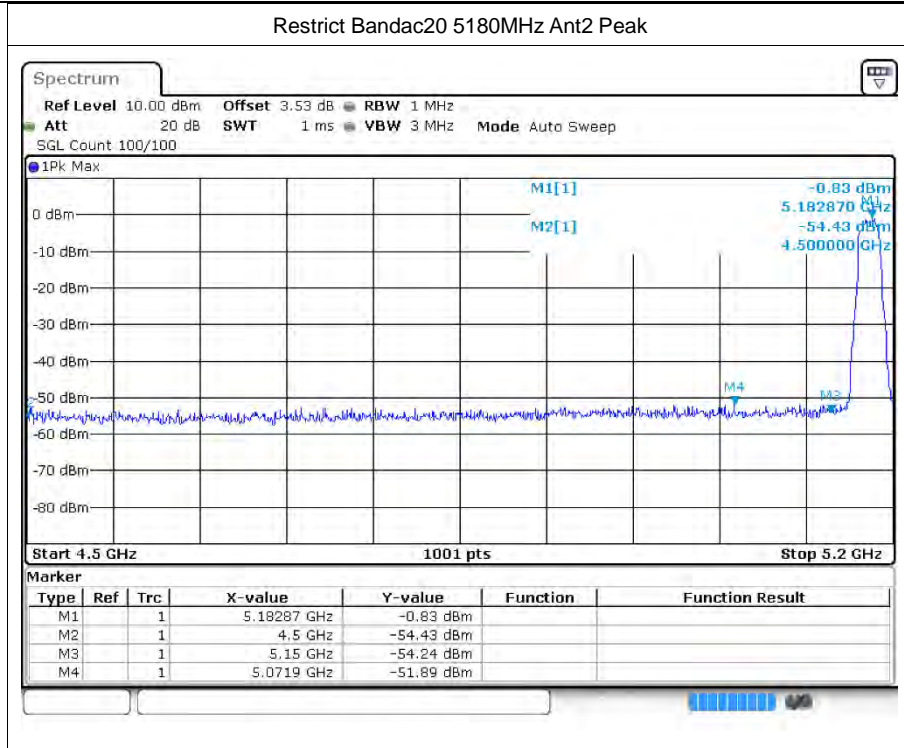






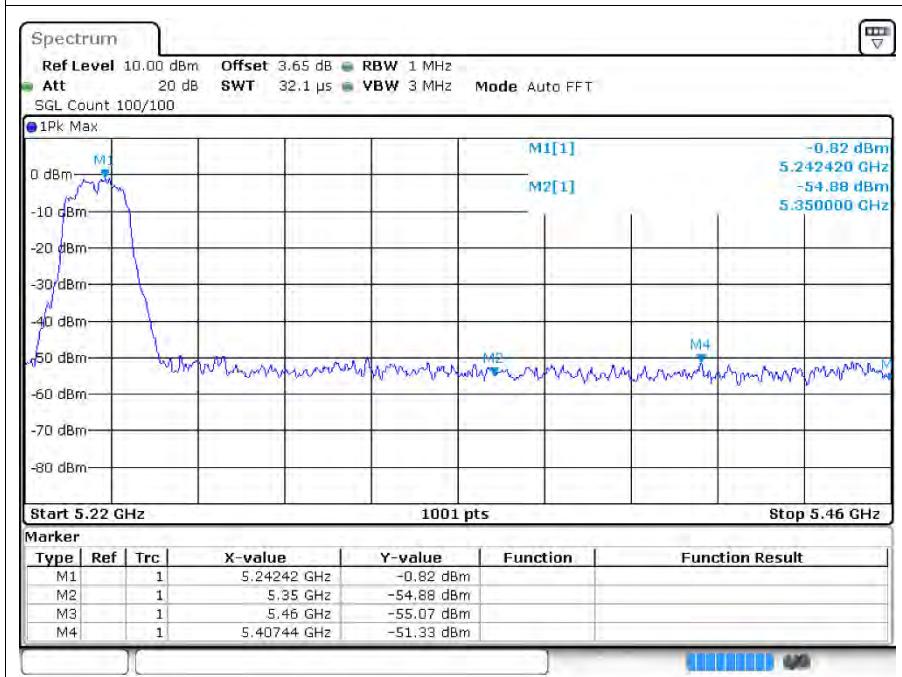




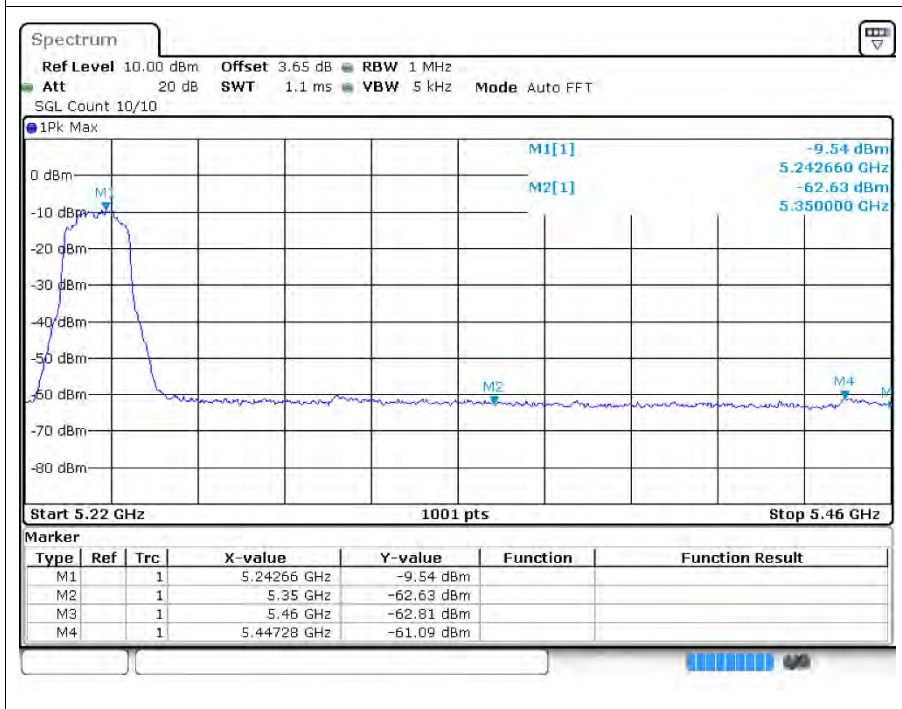


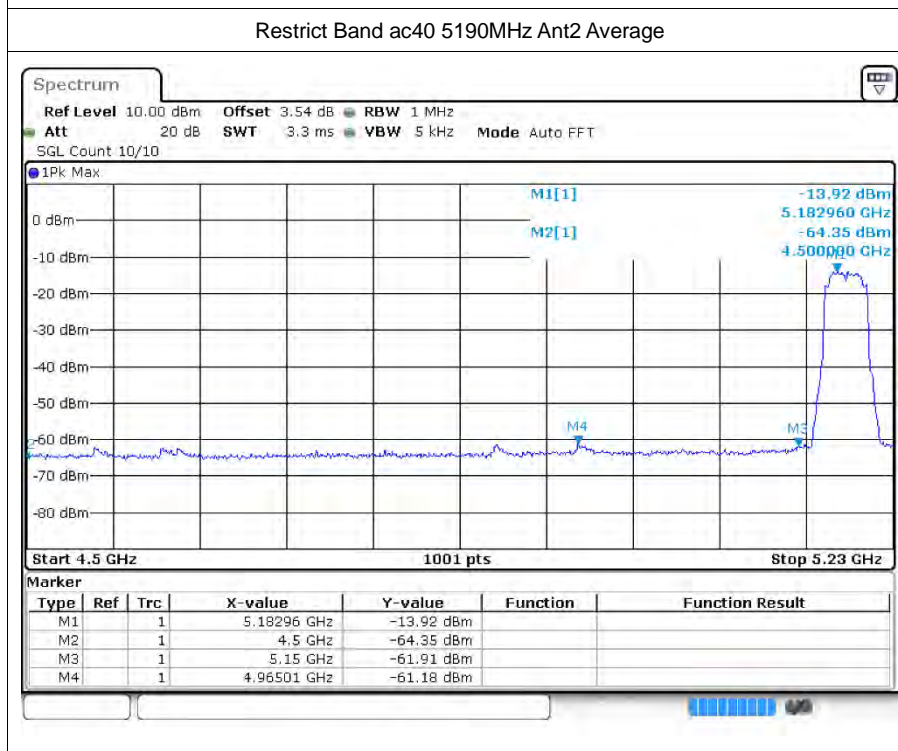
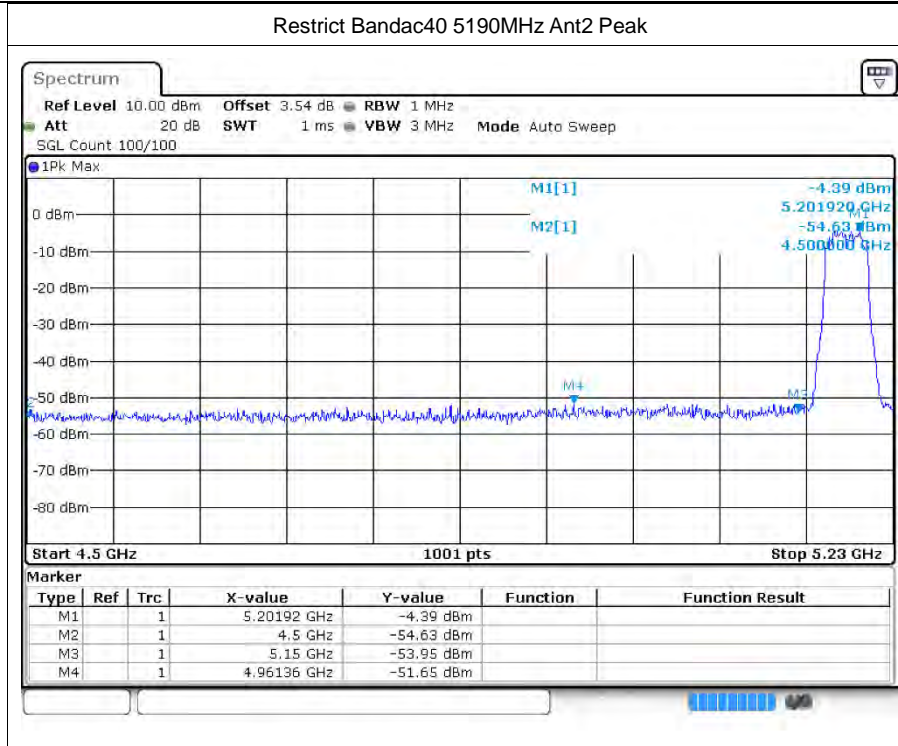


Restrict Bandac20 5240MHz Ant2 Peak



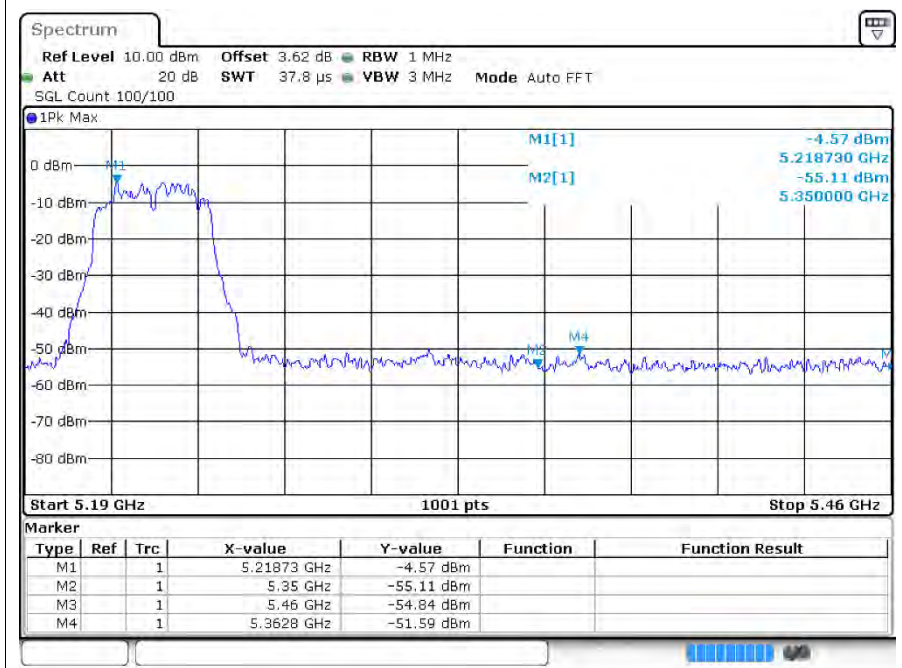
Restrict Band ac20 5240MHz Ant2 Average



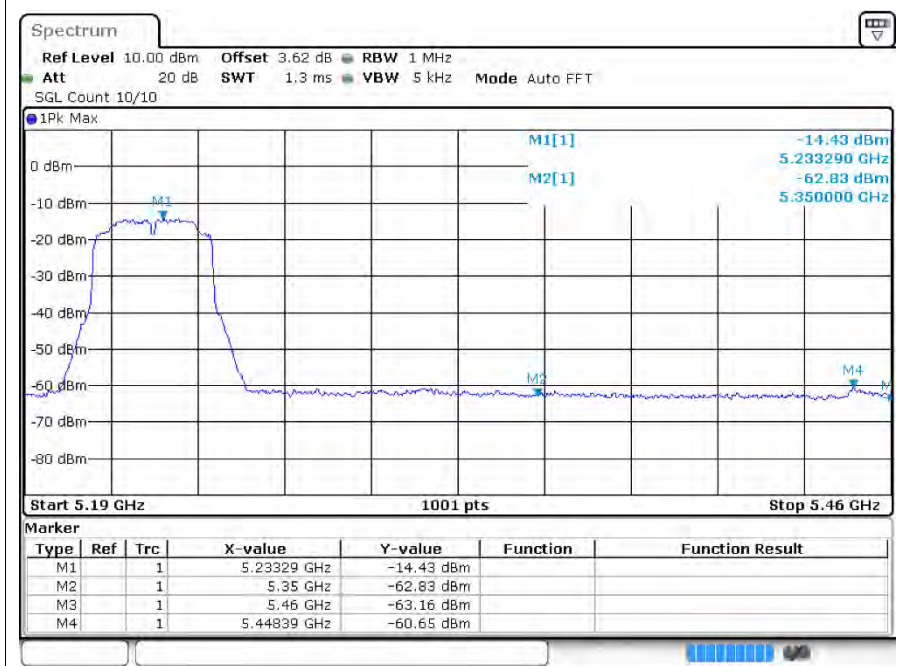


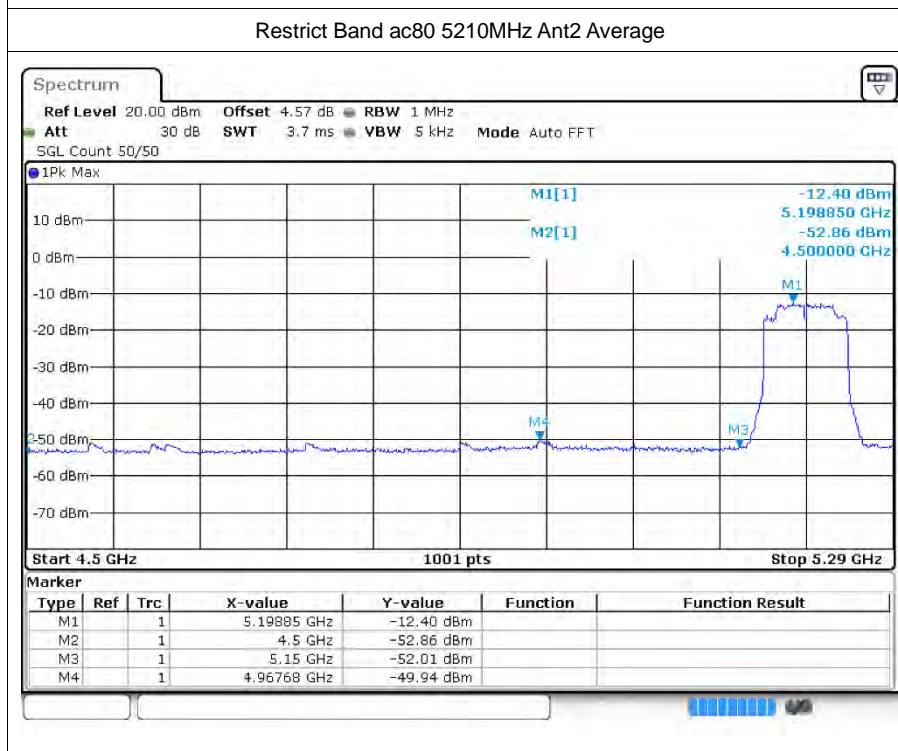
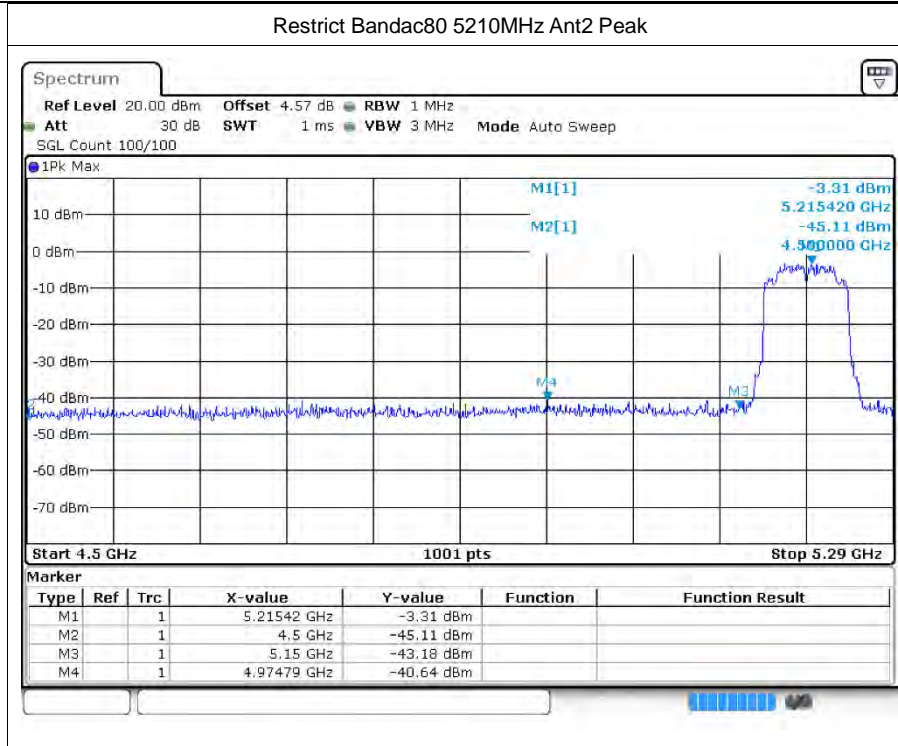


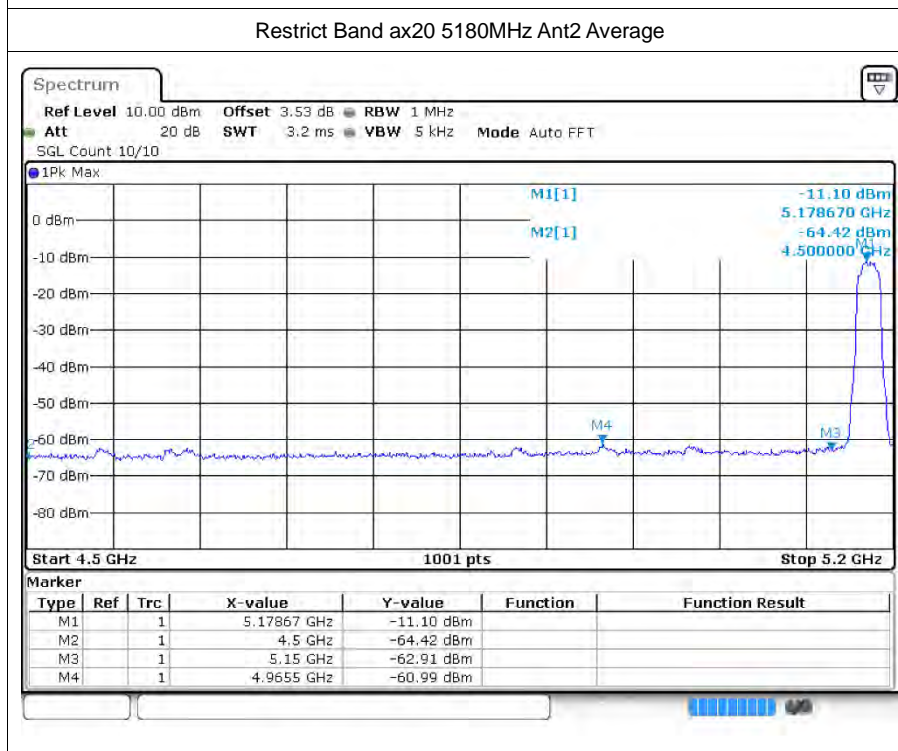
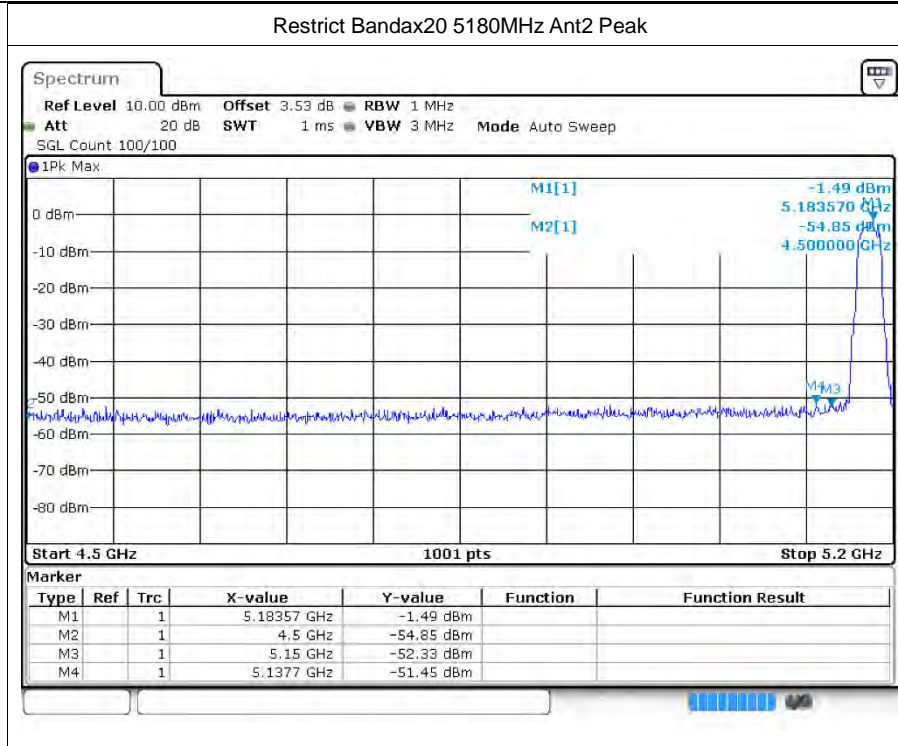
Restrict Bandac40 5230MHz Ant2 Peak

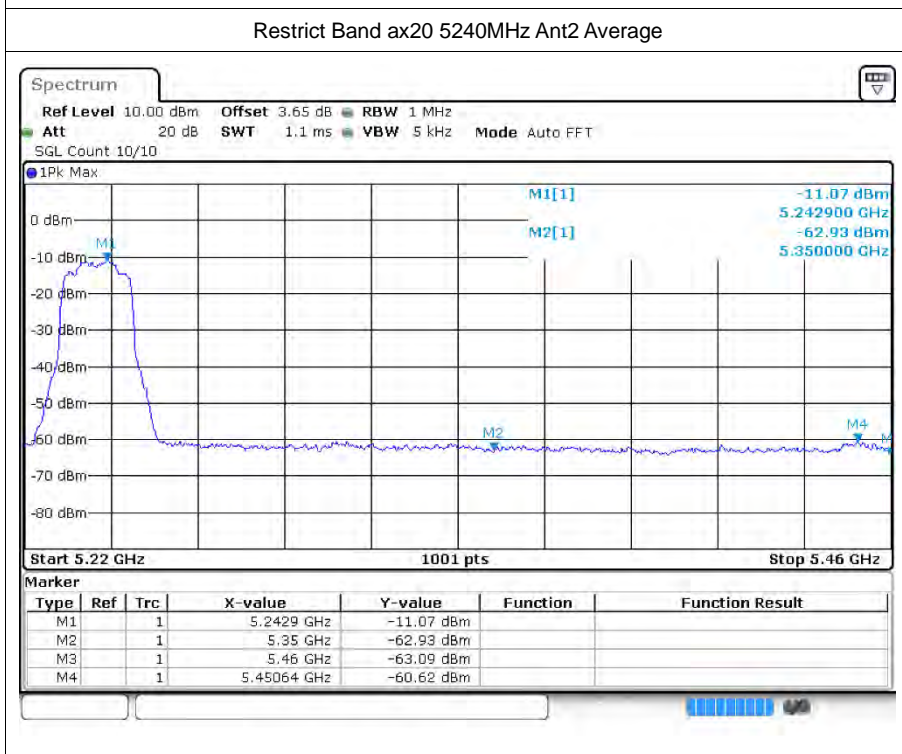
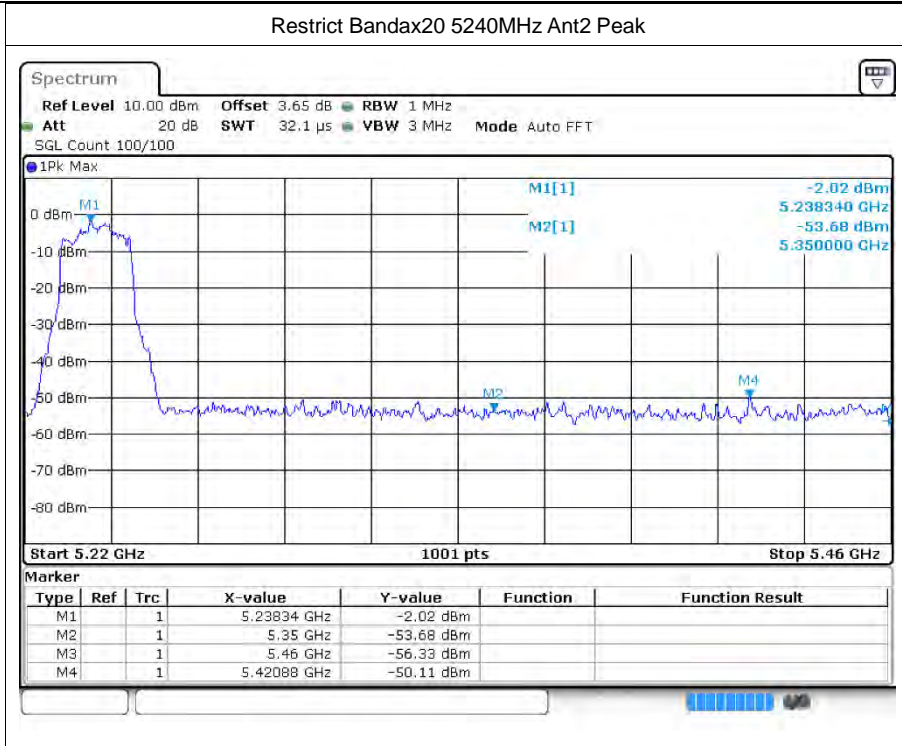


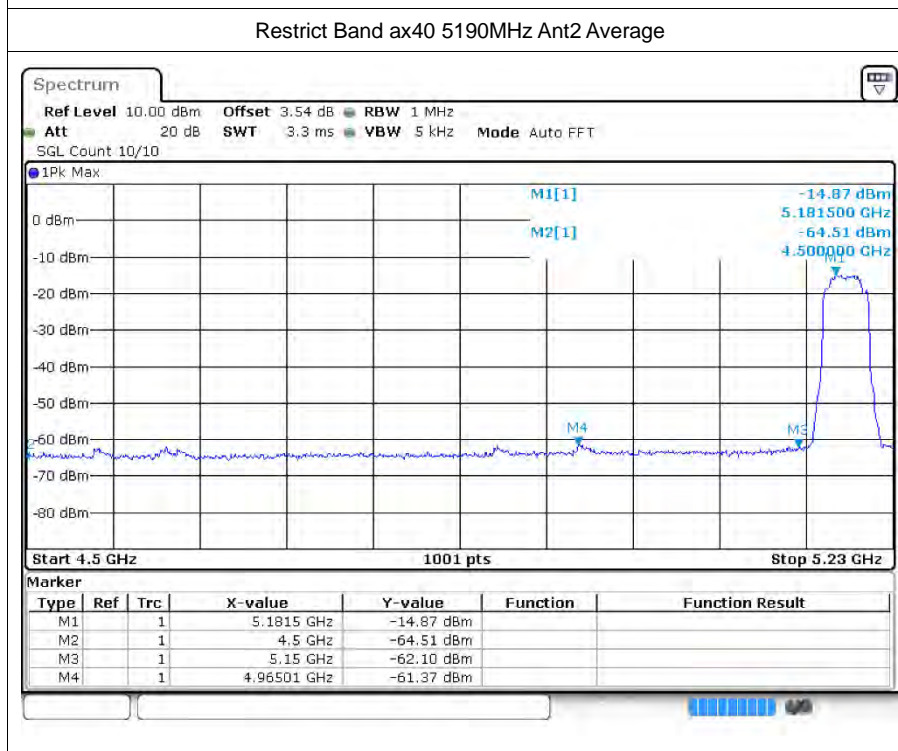
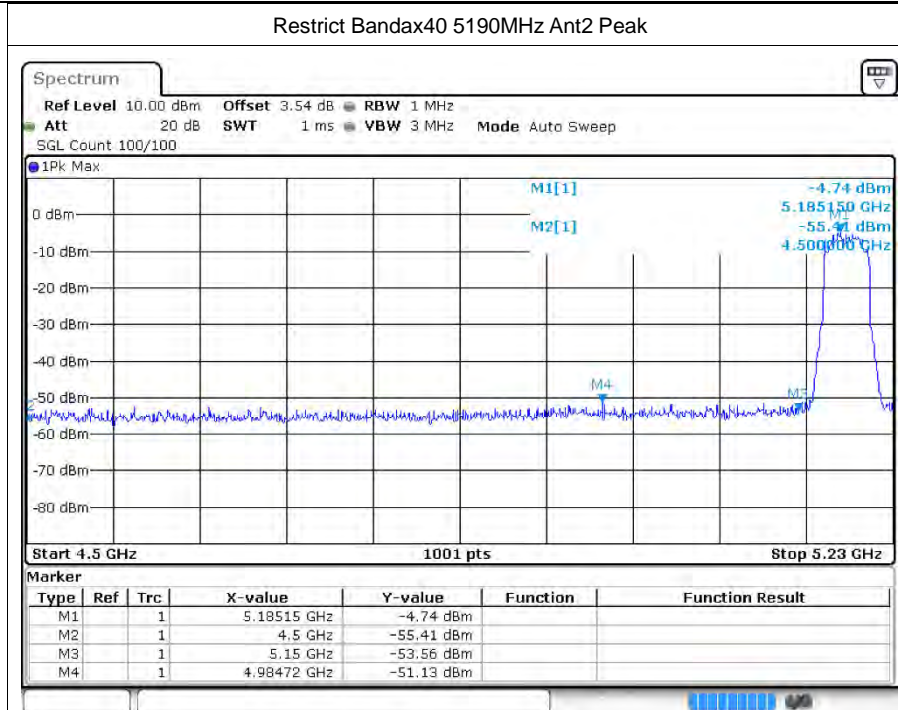
Restrict Band ac40 5230MHz Ant2 Average

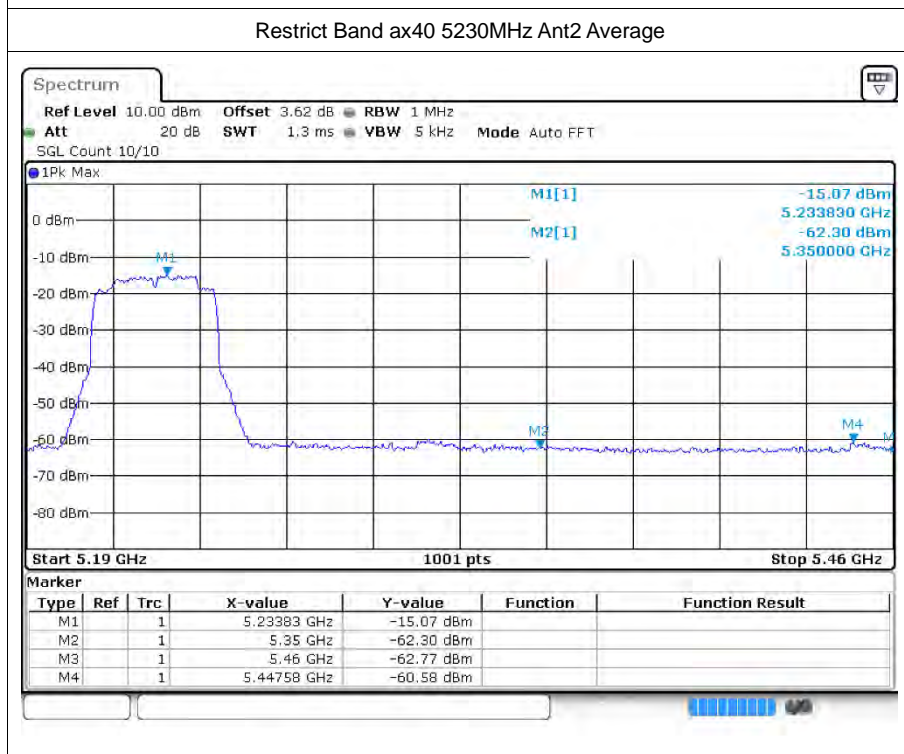
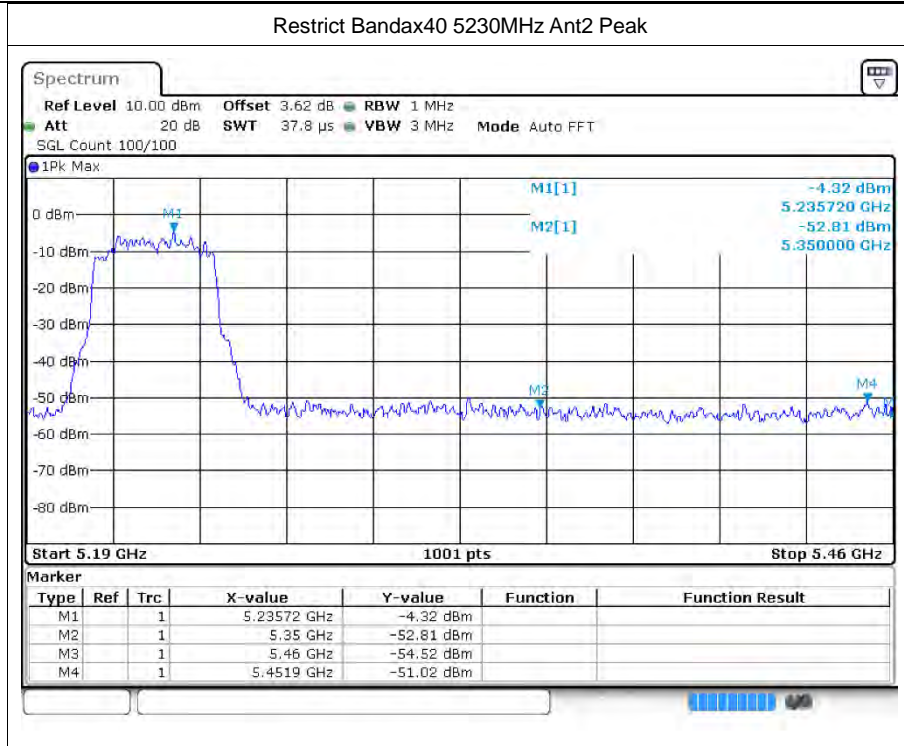






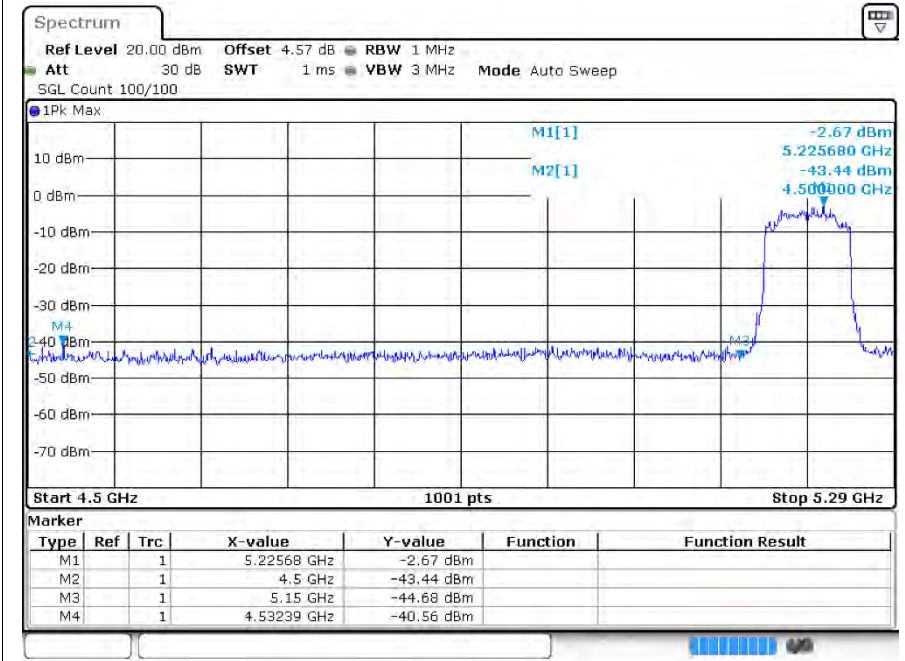








Restrict Bandax80 5210MHz Ant2 Peak



Restrict Band ax80 5210MHz Ant2 Average

