



## 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	5179.96	-40000	-7.72	25	Pass
20C 120V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 138V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-20C 120V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-10C 120V	a	5180	Ant1	5179.96	-40000	-7.72	25	Pass
0C 120V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
10C 120V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
30C 120V	a	5180	Ant1	5179.96	-40000	-7.72	25	Pass
40C 120V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
50C 120V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 102V	a	5200	Ant1	5200	0	0	25	Pass
20C 120V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 138V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
-20C 120V	a	5200	Ant1	5199.96	-40000	-7.69	25	Pass
-10C 120V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
0C 120V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
10C 120V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
30C 120V	a	5200	Ant1	5199.96	-40000	-7.69	25	Pass
40C 120V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 102V	a	5200	Ant1	5200	0	0	25	Pass
20C 102V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 138V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-20C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-10C 120V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
0C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
10C 120V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
30C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
40C 120V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
50C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 102V	n20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 120V	n20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 138V	n20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
-20C 120V	n20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
-10C 120V	n20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
0C 120V	n20	5180	Ant1	5179.96	-40000	-7.72	25	Pass



10C 120V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
30C 120V	n20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
40C 120V	n20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
50C 120V	n20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
20C 102V	n20	5200	Ant1	5199.94	-60000	-11.54	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	5199.96	-40000	-7.69	25	Pass
10C 120V	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
30C 120V	n20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
40C 120V	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
50C 120V	n20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 102V	n20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 120V	n20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
20C 138V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-20C 120V	n20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
-10C 120V	n20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
0C 120V	n20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
10C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
30C 120V	n20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
40C 120V	n20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
50C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	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	5189.96	-40000	-7.71	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	5189.96	-40000	-7.71	25	Pass
40C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
50C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 102V	n40	5230	Ant1	5229.96	-40000	-7.65	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	5229.96	-40000	-7.65	25	Pass
0C 120V	n40	5230	Ant1	5230	0	0	25	Pass
10C 120V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
30C 120V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
40C 120V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass



50C 120V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 102V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 120V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 138V	ac20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
-20C 120V	ac20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
-10C 120V	ac20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
0C 120V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
10C 120V	ac20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
30C 120V	ac20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
40C 120V	ac20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
50C 120V	ac20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
20C 102V	ac20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
20C 120V	ac20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
20C 138V	ac20	5200	Ant1	5199.96	-40000	-7.69	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	5199.94	-60000	-11.54	25	Pass
10C 120V	ac20	5200	Ant1	5199.98	-20000	-3.85	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	5199.96	-40000	-7.69	25	Pass
20C 102V	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 120V	ac20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
20C 138V	ac20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
-20C 120V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-10C 120V	ac20	5240	Ant1	5239.96	-40000	-7.63	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	5239.94	-60000	-11.45	25	Pass
40C 120V	ac20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
50C 120V	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 102V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 120V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 138V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
-20C 120V	ac40	5190	Ant1	5190	0	0	25	Pass
-10C 120V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
0C 120V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
10C 120V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
30C 120V	ac40	5190	Ant1	5189.96	-40000	-7.71	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	5230	0	0	25	Pass
20C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	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	5229.96	-40000	-7.65	25	Pass
0C 120V	ac40	5230	Ant1	5230	0	0	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	5230	0	0	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	0	0	25	Pass
-20C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
-10C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
0C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
10C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
30C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
40C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
50C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
20C 102V	a	5180	Ant2	5179.98	-20000	-3.86	25	Pass
20C 120V	a	5180	Ant2	5179.98	-20000	-3.86	25	Pass
20C 138V	a	5180	Ant2	5179.98	-20000	-3.86	25	Pass
-20C 120V	a	5180	Ant2	5179.98	-20000	-3.86	25	Pass
-10C 120V	a	5180	Ant2	5179.98	-20000	-3.86	25	Pass
0C 120V	a	5180	Ant2	5180	0	0	25	Pass
10C 120V	a	5180	Ant2	5179.98	-20000	-3.86	25	Pass
30C 120V	a	5180	Ant2	5179.98	-20000	-3.86	25	Pass
40C 120V	a	5180	Ant2	5180	0	0	25	Pass
50C 120V	a	5180	Ant2	5180	0	0	25	Pass
20C 102V	a	5200	Ant2	5199.98	-20000	-3.85	25	Pass
20C 120V	a	5200	Ant2	5199.96	-40000	-7.69	25	Pass
20C 138V	a	5200	Ant2	5199.98	-20000	-3.85	25	Pass
-20C 120V	a	5200	Ant2	5200	0	0	25	Pass
-10C 120V	a	5200	Ant2	5199.98	-20000	-3.85	25	Pass
0C 120V	a	5200	Ant2	5200	0	0	25	Pass
10C 120V	a	5200	Ant2	5200	0	0	25	Pass
30C 120V	a	5200	Ant2	5199.98	-20000	-3.85	25	Pass
40C 120V	a	5200	Ant2	5199.98	-20000	-3.85	25	Pass
20C 102V	a	5200	Ant2	5199.98	-20000	-3.85	25	Pass
20C 102V	a	5240	Ant2	5239.98	-20000	-3.82	25	Pass
20C 120V	a	5240	Ant2	5239.98	-20000	-3.82	25	Pass
20C 138V	a	5240	Ant2	5239.96	-40000	-7.63	25	Pass
-20C 120V	a	5240	Ant2	5239.98	-20000	-3.82	25	Pass
-10C 120V	a	5240	Ant2	5240	0	0	25	Pass



0C 120V	a	5240	Ant2	5240	0	0	25	Pass
10C 120V	a	5240	Ant2	5240	0	0	25	Pass
30C 120V	a	5240	Ant2	5239.98	-20000	-3.82	25	Pass
40C 120V	a	5240	Ant2	5239.98	-20000	-3.82	25	Pass
50C 120V	a	5240	Ant2	5239.98	-20000	-3.82	25	Pass
20C 102V	n20	5180	Ant2	5180.02	20000	3.86	25	Pass
20C 120V	n20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
20C 138V	n20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
-20C 120V	n20	5180	Ant2	5180	0	0	25	Pass
-10C 120V	n20	5180	Ant2	5180	0	0	25	Pass
0C 120V	n20	5180	Ant2	5180.02	20000	3.86	25	Pass
10C 120V	n20	5180	Ant2	5180.02	20000	3.86	25	Pass
30C 120V	n20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
40C 120V	n20	5180	Ant2	5180	0	0	25	Pass
50C 120V	n20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
20C 102V	n20	5200	Ant2	5199.94	-60000	-11.54	25	Pass
20C 120V	n20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
20C 138V	n20	5200	Ant2	5200	0	0	25	Pass
-20C 120V	n20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
-10C 120V	n20	5200	Ant2	5200	0	0	25	Pass
0C 120V	n20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
10C 120V	n20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
30C 120V	n20	5200	Ant2	5200	0	0	25	Pass
40C 120V	n20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
50C 120V	n20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
20C 102V	n20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
20C 120V	n20	5240	Ant2	5240.48	480000	91.6	25	Pass
20C 138V	n20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
-20C 120V	n20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
-10C 120V	n20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
0C 120V	n20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
10C 120V	n20	5240	Ant2	5240	0	0	25	Pass
30C 120V	n20	5240	Ant2	5240	0	0	25	Pass
40C 120V	n20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
50C 120V	n20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
20C 102V	n40	5190	Ant2	5190	0	0	25	Pass
20C 120V	n40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
20C 138V	n40	5190	Ant2	5189.8	-200000	-38.54	25	Pass
-20C 120V	n40	5190	Ant2	5190	0	0	25	Pass
-10C 120V	n40	5190	Ant2	5190	0	0	25	Pass
0C 120V	n40	5190	Ant2	5190	0	0	25	Pass
10C 120V	n40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
30C 120V	n40	5190	Ant2	5190	0	0	25	Pass



40C 120V	n40	5190	Ant2	5190	0	0	25	Pass
50C 120V	n40	5190	Ant2	5190	0	0	25	Pass
20C 102V	n40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
20C 120V	n40	5230	Ant2	5230	0	0	25	Pass
20C 138V	n40	5230	Ant2	5230	0	0	25	Pass
-20C 120V	n40	5230	Ant2	5230	0	0	25	Pass
-10C 120V	n40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
0C 120V	n40	5230	Ant2	5230	0	0	25	Pass
10C 120V	n40	5230	Ant2	5230	0	0	25	Pass
30C 120V	n40	5230	Ant2	5230	0	0	25	Pass
40C 120V	n40	5230	Ant2	5230	0	0	25	Pass
50C 120V	n40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
20C 102V	ac20	5180	Ant2	5180	0	0	25	Pass
20C 120V	ac20	5180	Ant2	5180.02	20000	3.86	25	Pass
20C 138V	ac20	5180	Ant2	5180	0	0	25	Pass
-20C 120V	ac20	5180	Ant2	5180	0	0	25	Pass
-10C 120V	ac20	5180	Ant2	5180	0	0	25	Pass
0C 120V	ac20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
10C 120V	ac20	5180	Ant2	5180	0	0	25	Pass
30C 120V	ac20	5180	Ant2	5180.02	20000	3.86	25	Pass
40C 120V	ac20	5180	Ant2	5180	0	0	25	Pass
50C 120V	ac20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
20C 102V	ac20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
20C 120V	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
20C 138V	ac20	5200	Ant2	5200	0	0	25	Pass
-20C 120V	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
-10C 120V	ac20	5200	Ant2	5200	0	0	25	Pass
0C 120V	ac20	5200	Ant2	5200	0	0	25	Pass
10C 120V	ac20	5200	Ant2	5200	0	0	25	Pass
30C 120V	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
40C 120V	ac20	5200	Ant2	5200	0	0	25	Pass
50C 120V	ac20	5200	Ant2	5200	0	0	25	Pass
20C 102V	ac20	5240	Ant2	5240.02	20000	3.82	25	Pass
20C 120V	ac20	5240	Ant2	5240	0	0	25	Pass
20C 138V	ac20	5240	Ant2	5240	0	0	25	Pass
-20C 120V	ac20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
-10C 120V	ac20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
0C 120V	ac20	5240	Ant2	5240.02	20000	3.82	25	Pass
10C 120V	ac20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
30C 120V	ac20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
40C 120V	ac20	5240	Ant2	5240	0	0	25	Pass
50C 120V	ac20	5240	Ant2	5240	0	0	25	Pass
20C 102V	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass





20C 120V	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
20C 138V	ac40	5190	Ant2	5190	0	0	25	Pass
-20C 120V	ac40	5190	Ant2	5190	0	0	25	Pass
-10C 120V	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
0C 120V	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
10C 120V	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
30C 120V	ac40	5190	Ant2	5190	0	0	25	Pass
40C 120V	ac40	5190	Ant2	5190	0	0	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	5230	0	0	25	Pass
20C 138V	ac40	5230	Ant2	5230	0	0	25	Pass
-20C 120V	ac40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
-10C 120V	ac40	5230	Ant2	5230	0	0	25	Pass
0C 120V	ac40	5230	Ant2	5230	0	0	25	Pass
10C 120V	ac40	5230	Ant2	5230	0	0	25	Pass
30C 120V	ac40	5230	Ant2	5230	0	0	25	Pass
40C 120V	ac40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
50C 120V	ac40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
20C 102V	ac80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
20C 120V	ac80	5210	Ant2	5210.24	240000	46.07	25	Pass
20C 138V	ac80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
-20C 120V	ac80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
-10C 120V	ac80	5210	Ant2	5210	0	0	25	Pass
0C 120V	ac80	5210	Ant2	5210.16	160000	30.71	25	Pass
10C 120V	ac80	5210	Ant2	5210.32	320000	61.42	25	Pass
30C 120V	ac80	5210	Ant2	5209.68	-320000	-61.42	25	Pass
40C 120V	ac80	5210	Ant2	5210	0	0	25	Pass
50C 120V	ac80	5210	Ant2	5210	0	0	25	Pass



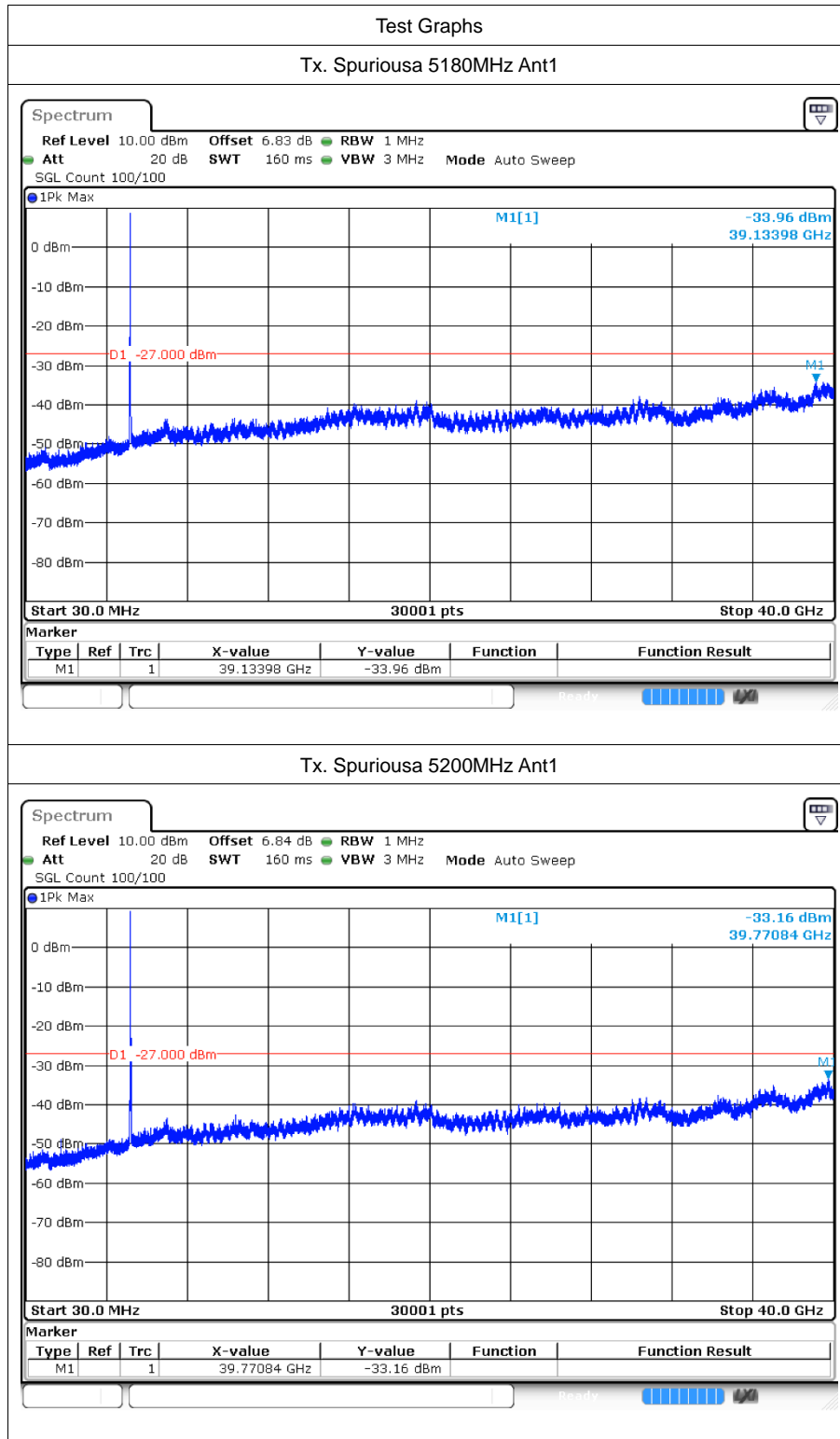
## 7 Conducted RF Spurious Emission

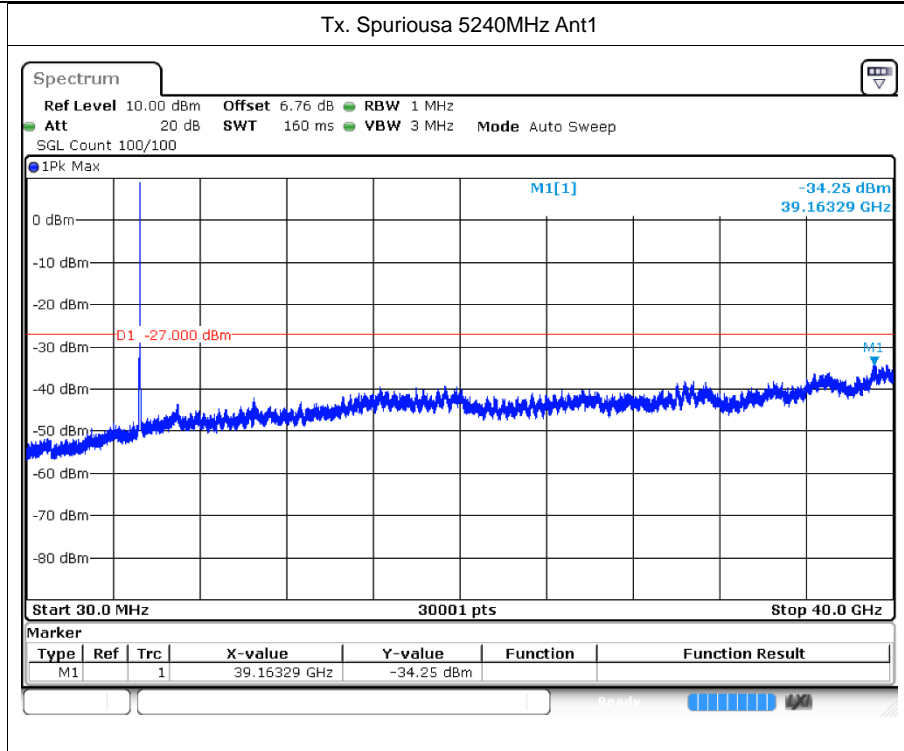
### 7.1 Test Result

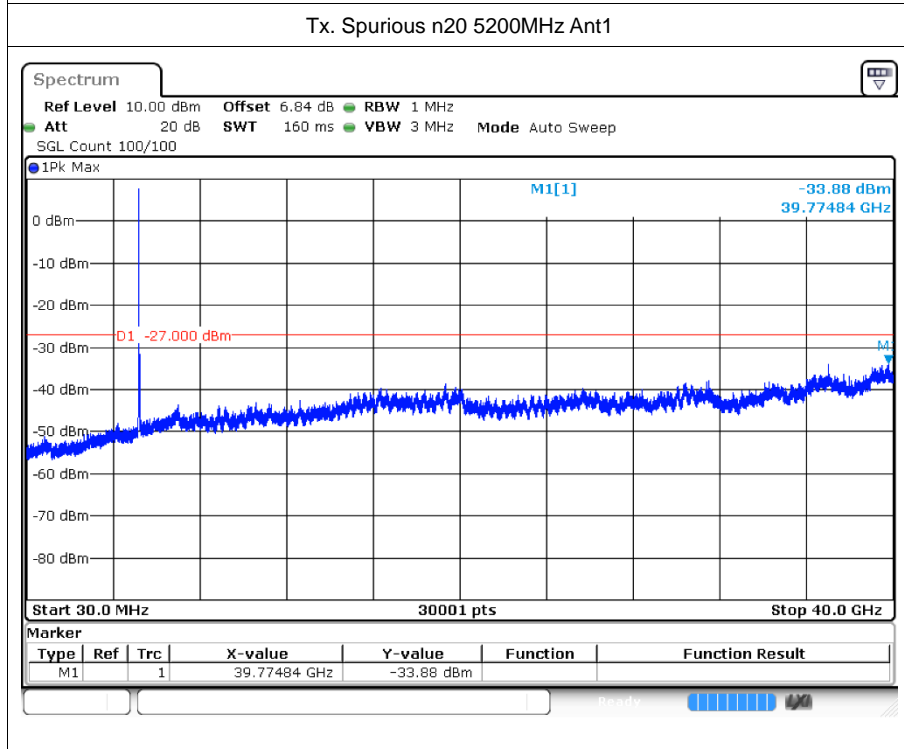
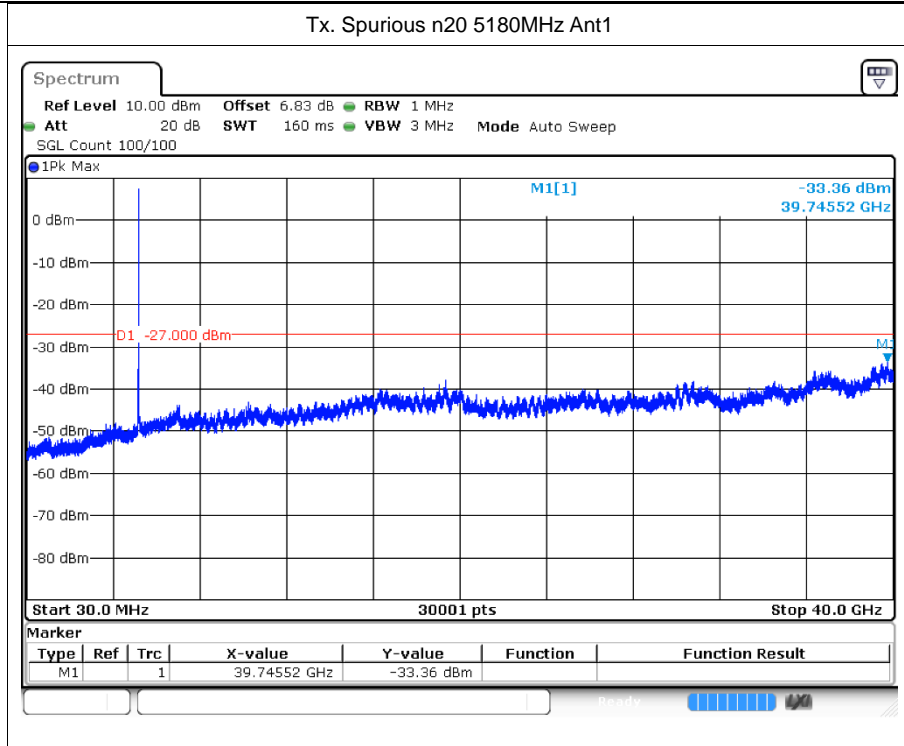
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
a	5180	Ant1	-33.95	-27	Pass
a	5200	Ant1	-33.15	-27	Pass
a	5240	Ant1	-34.24	-27	Pass
n20	5180	Ant1	-33.36	-27	Pass
n20	5200	Ant1	-33.87	-27	Pass
n20	5240	Ant1	-33.93	-27	Pass
n40	5190	Ant1	-34.32	-27	Pass
n40	5230	Ant1	-34.19	-27	Pass
ac20	5180	Ant1	-34.37	-27	Pass
ac20	5200	Ant1	-33.71	-27	Pass
ac20	5240	Ant1	-33.91	-27	Pass
ac40	5190	Ant1	-34.13	-27	Pass
ac40	5230	Ant1	-34.07	-27	Pass
ac80	5210	Ant1	-34.06	-27	Pass
a	5180	Ant2	-33.59	-27	Pass
a	5200	Ant2	-32.73	-27	Pass
a	5240	Ant2	-33.82	-27	Pass
n20	5180	Ant2	-34.02	-27	Pass
n20	5200	Ant2	-34.03	-27	Pass
n20	5240	Ant2	-33.59	-27	Pass
n40	5190	Ant2	-34.52	-27	Pass
n40	5230	Ant2	-33	-27	Pass
ac20	5180	Ant2	-33.79	-27	Pass
ac20	5200	Ant2	-34.06	-27	Pass
ac20	5240	Ant2	-33.27	-27	Pass
ac40	5190	Ant2	-34.32	-27	Pass
ac40	5230	Ant2	-33.44	-27	Pass
ac80	5210	Ant2	-33.7	-27	Pass

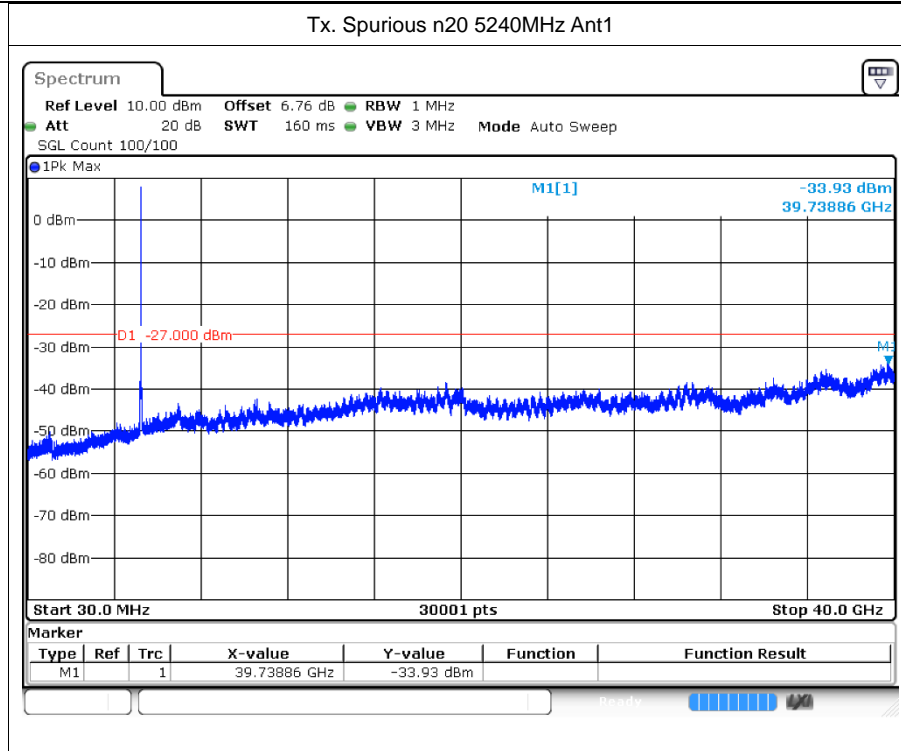


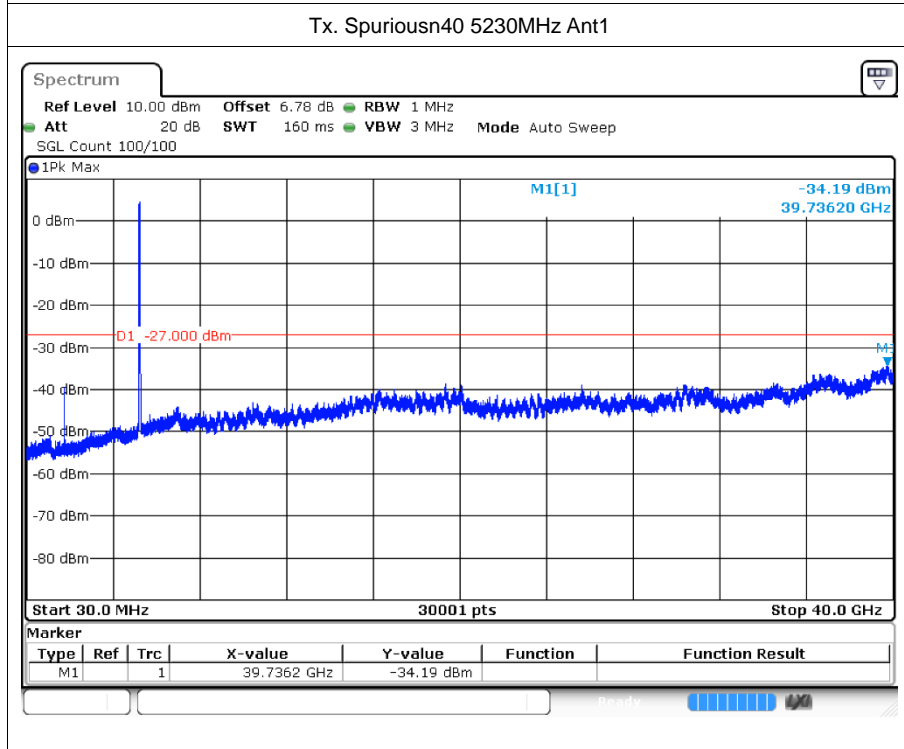
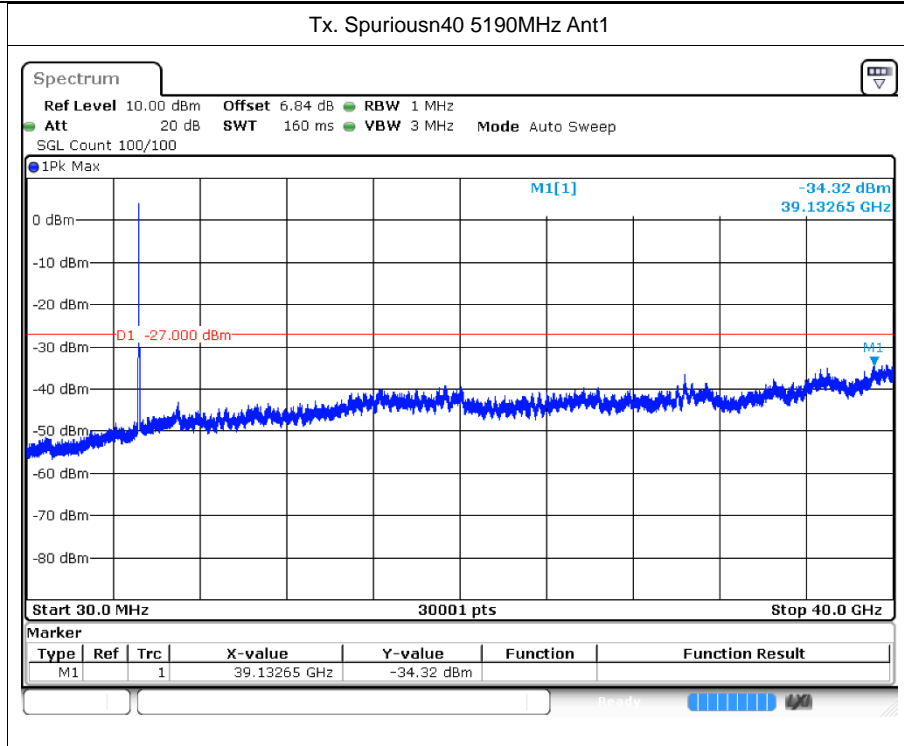
## 7.2 Test Graphs

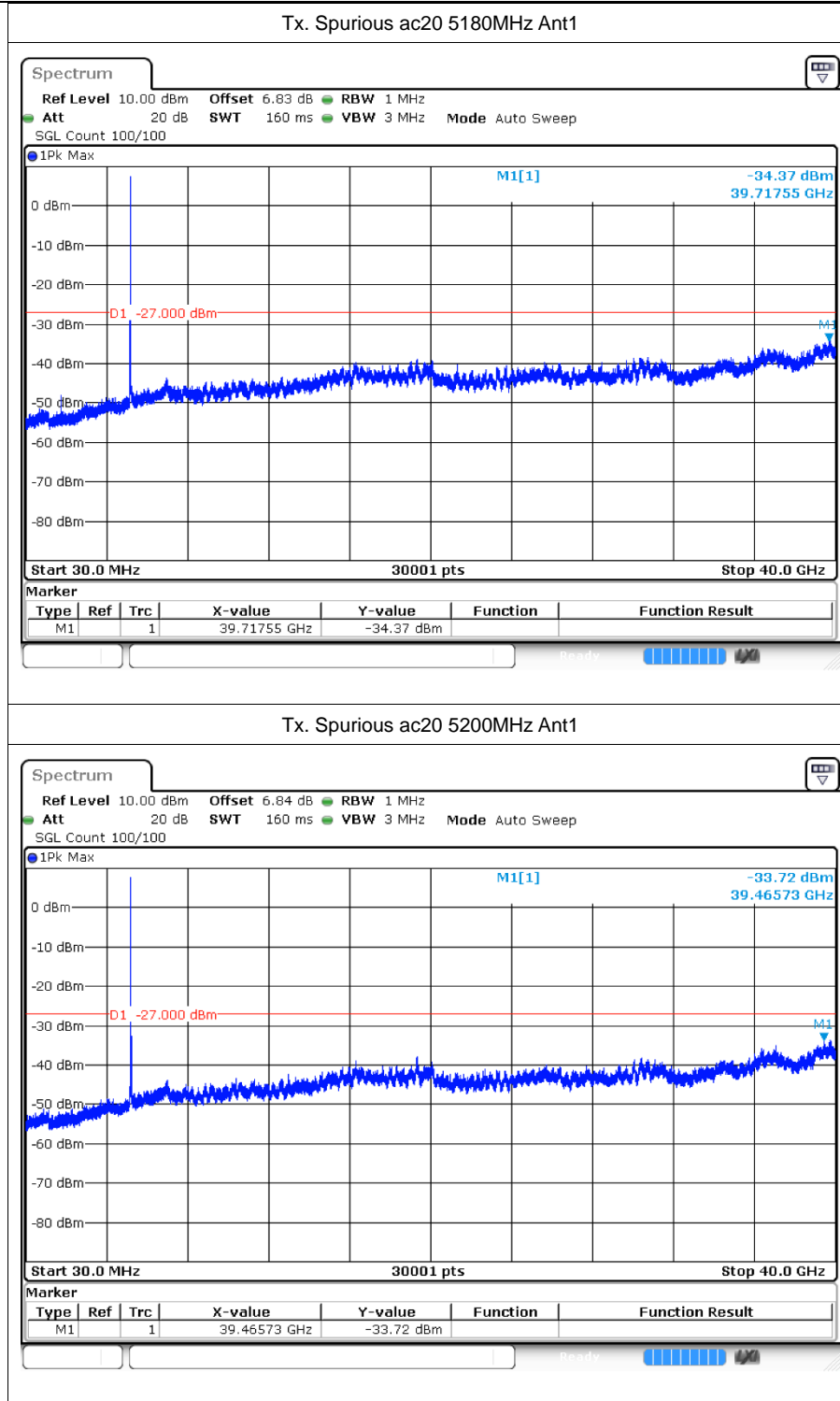




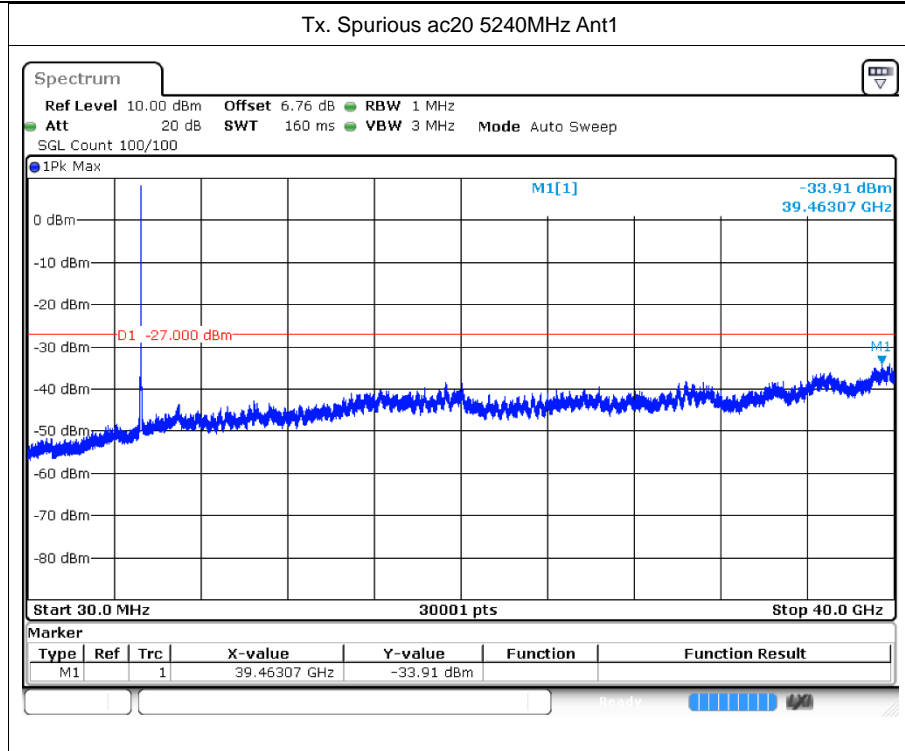


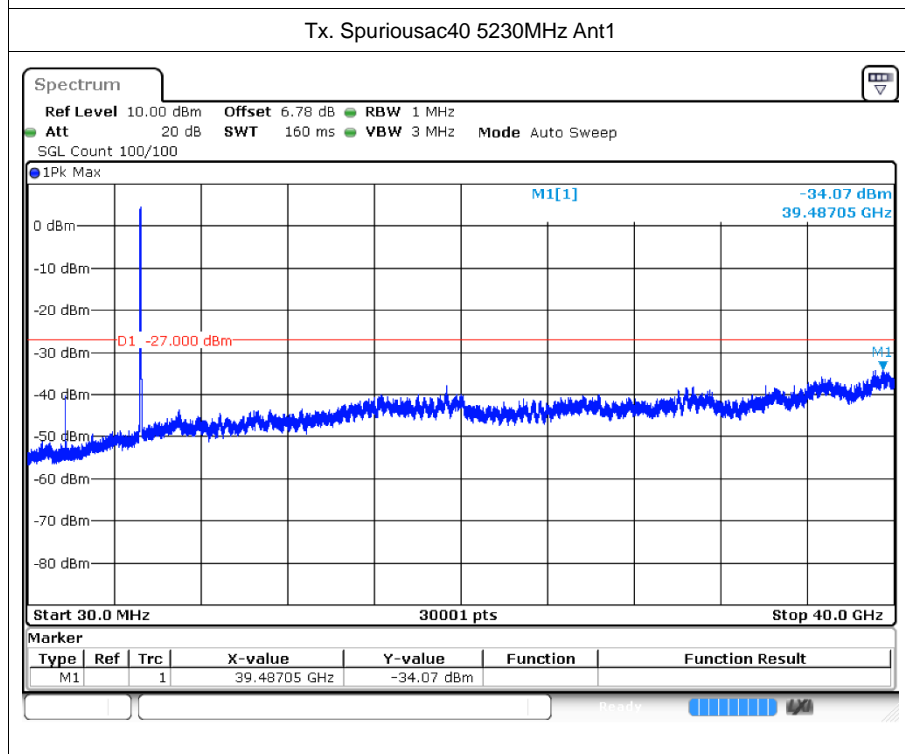
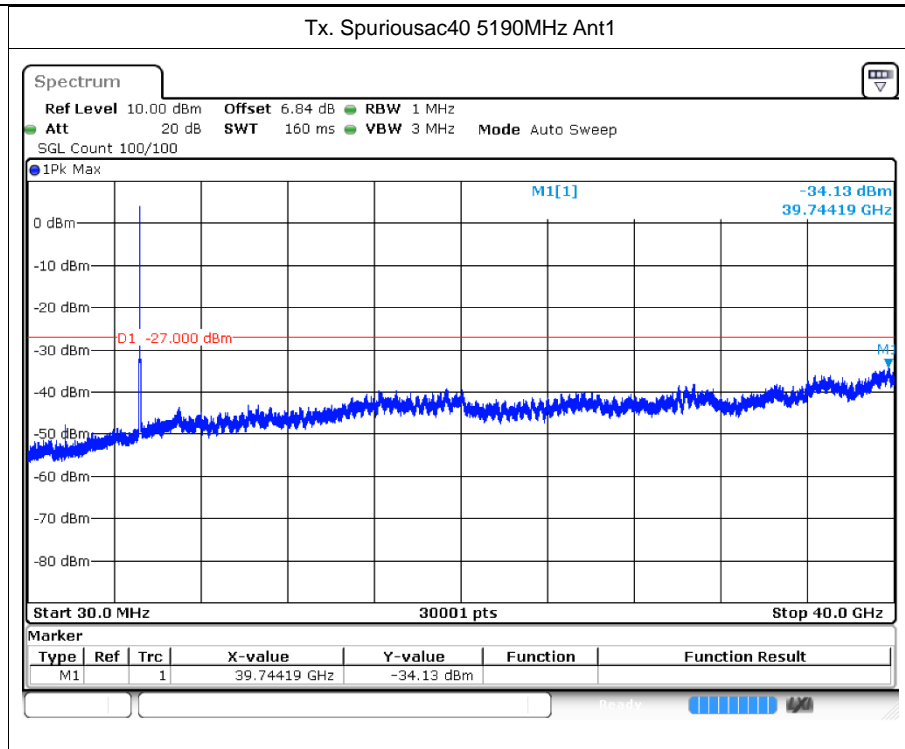


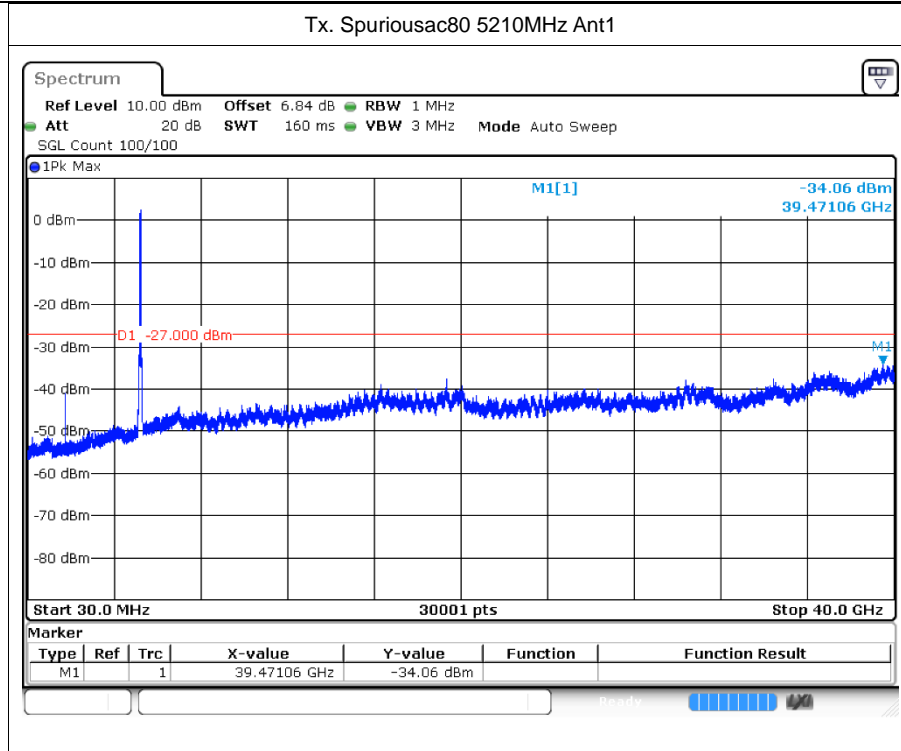


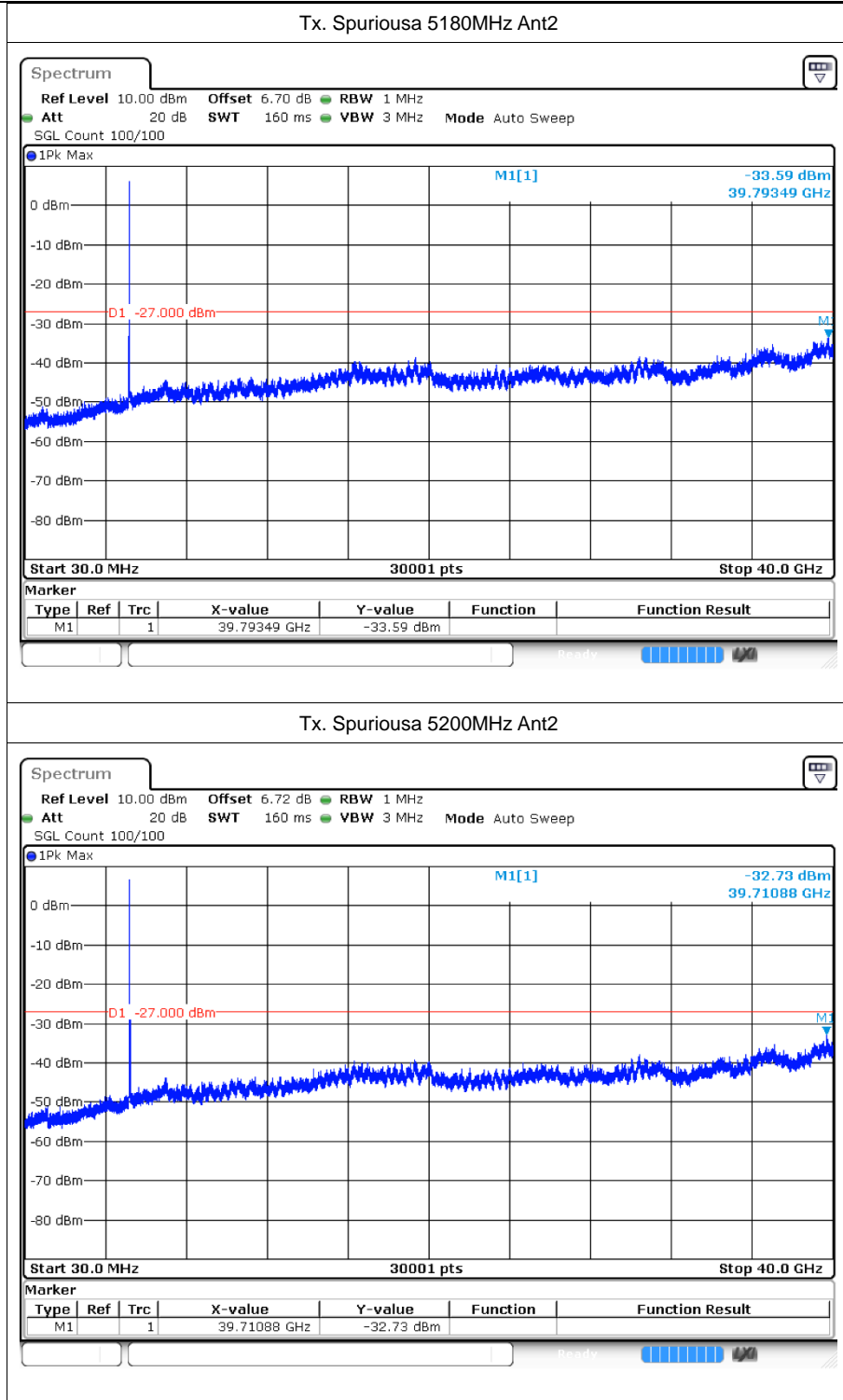


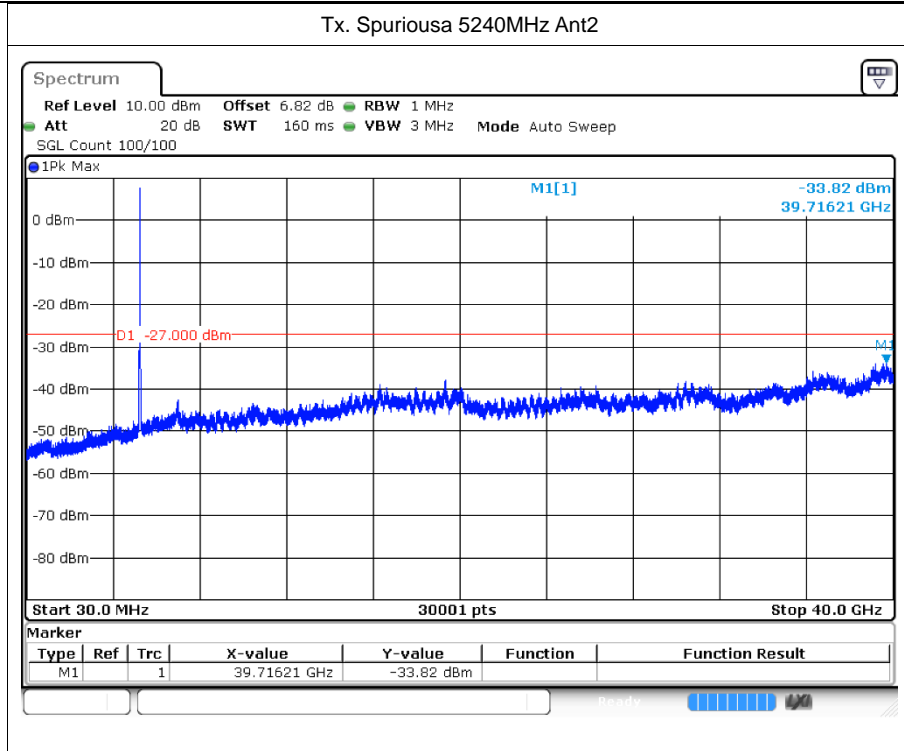


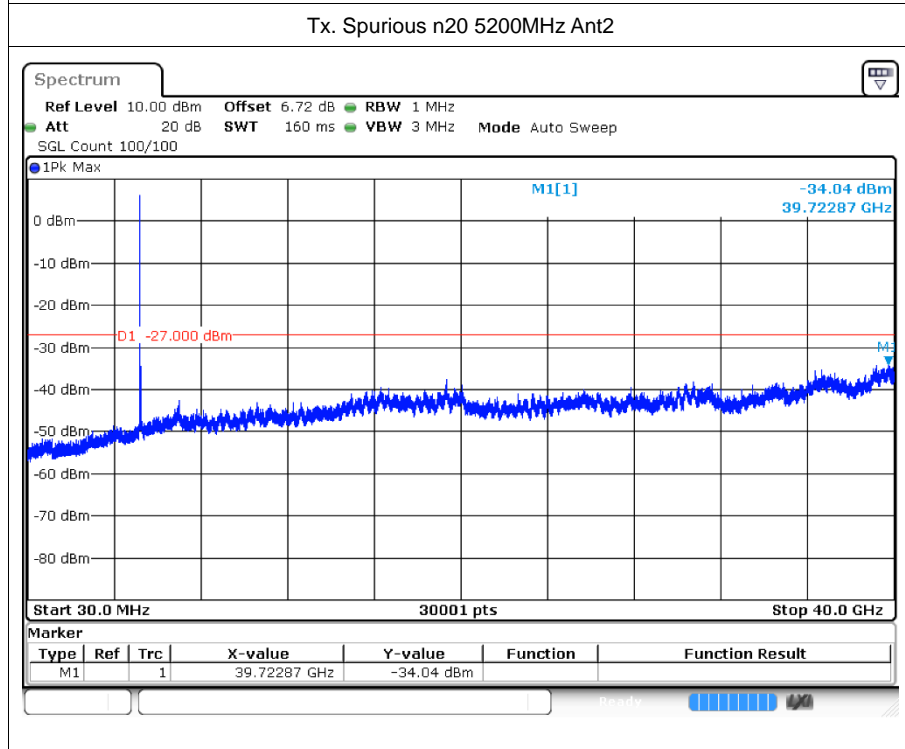
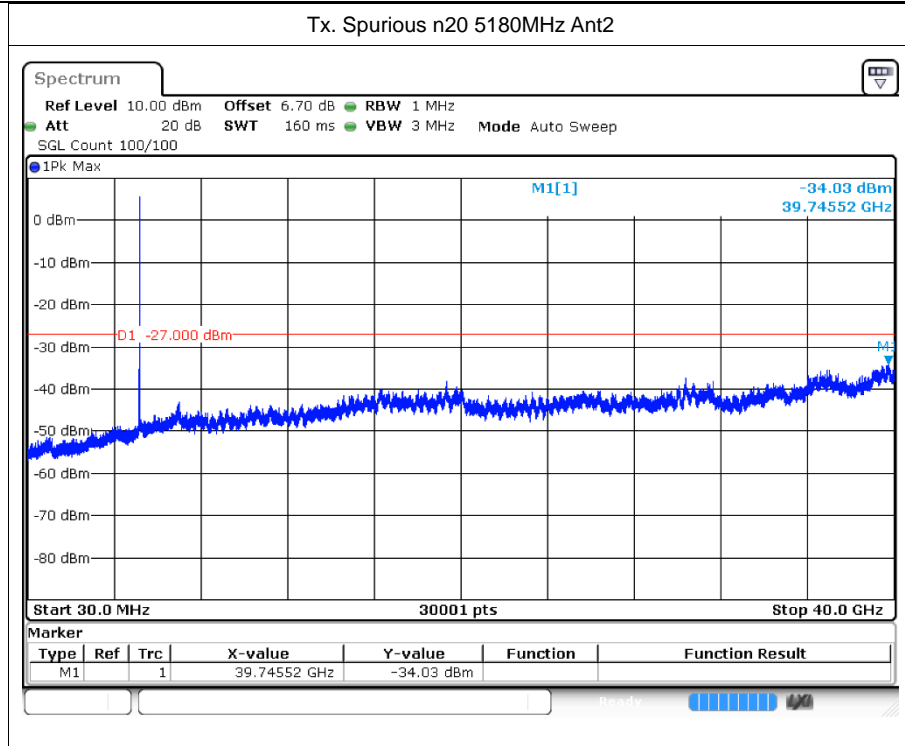


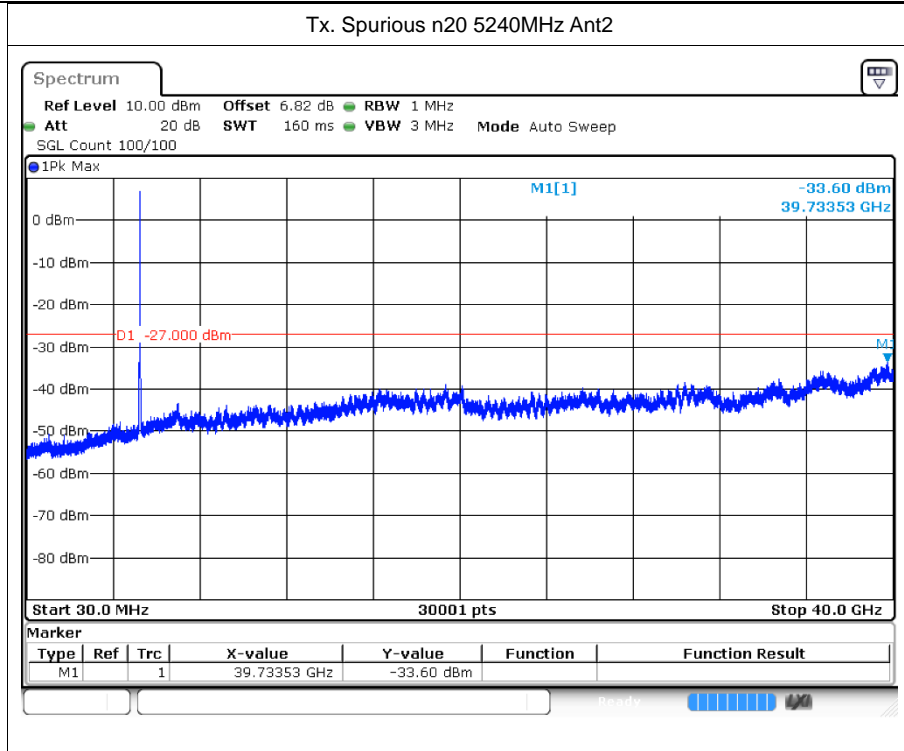


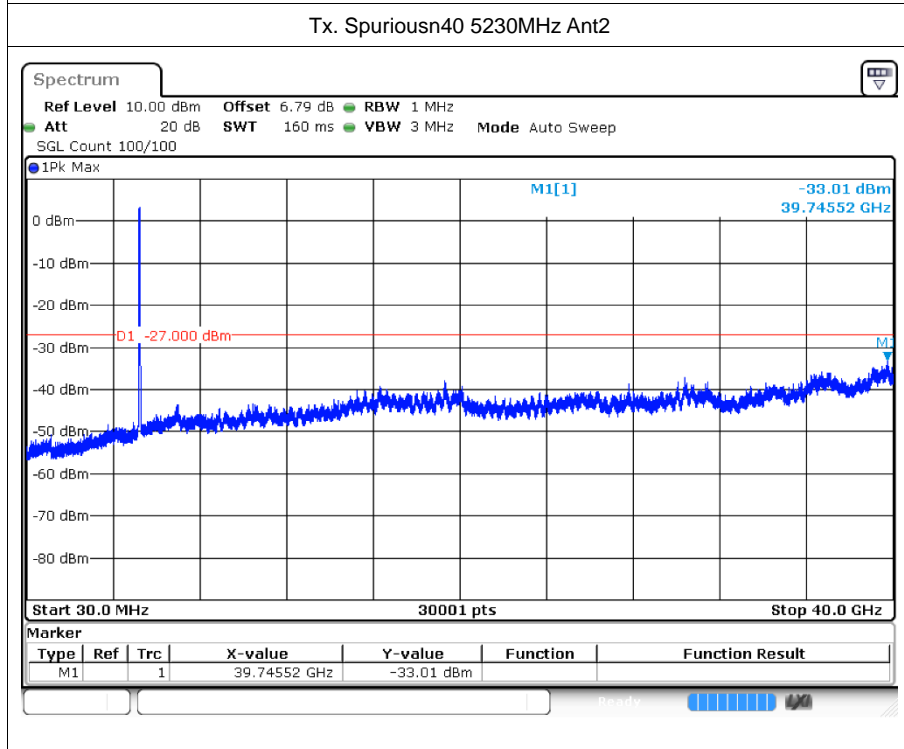
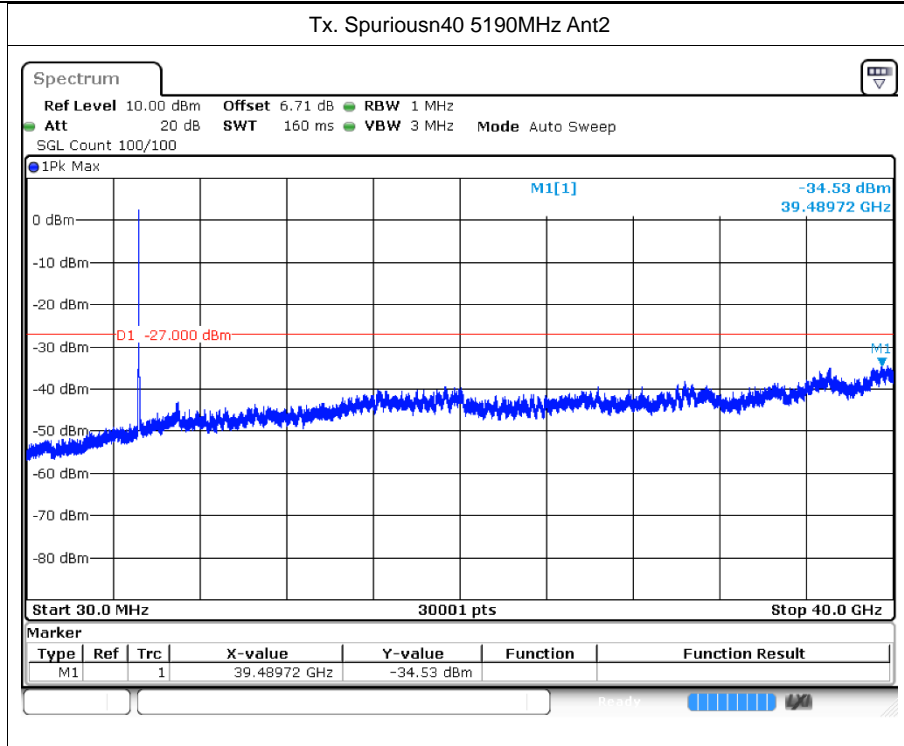




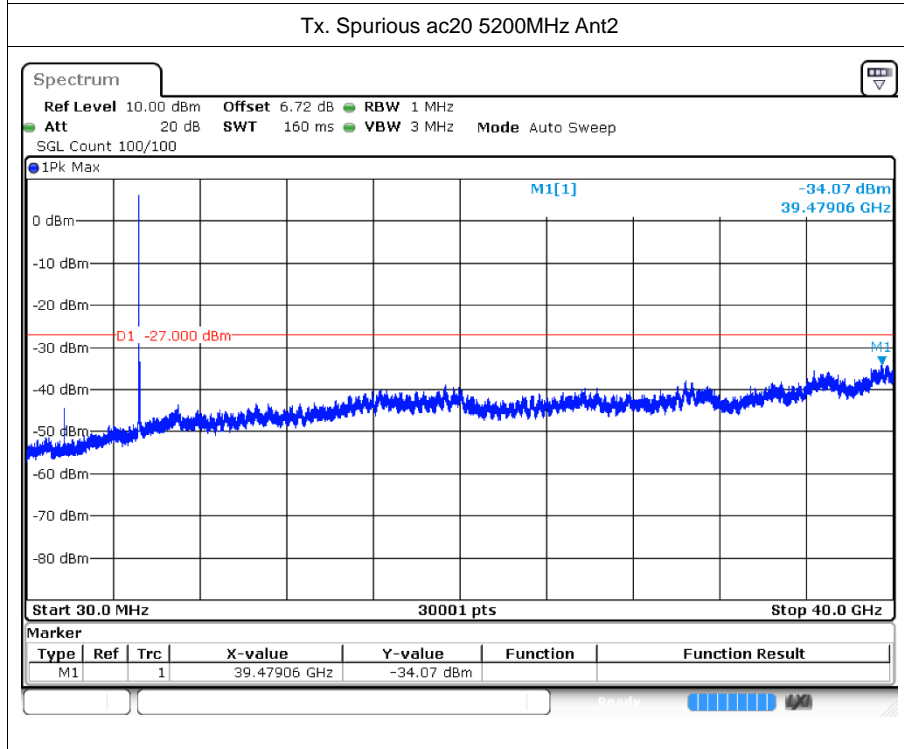
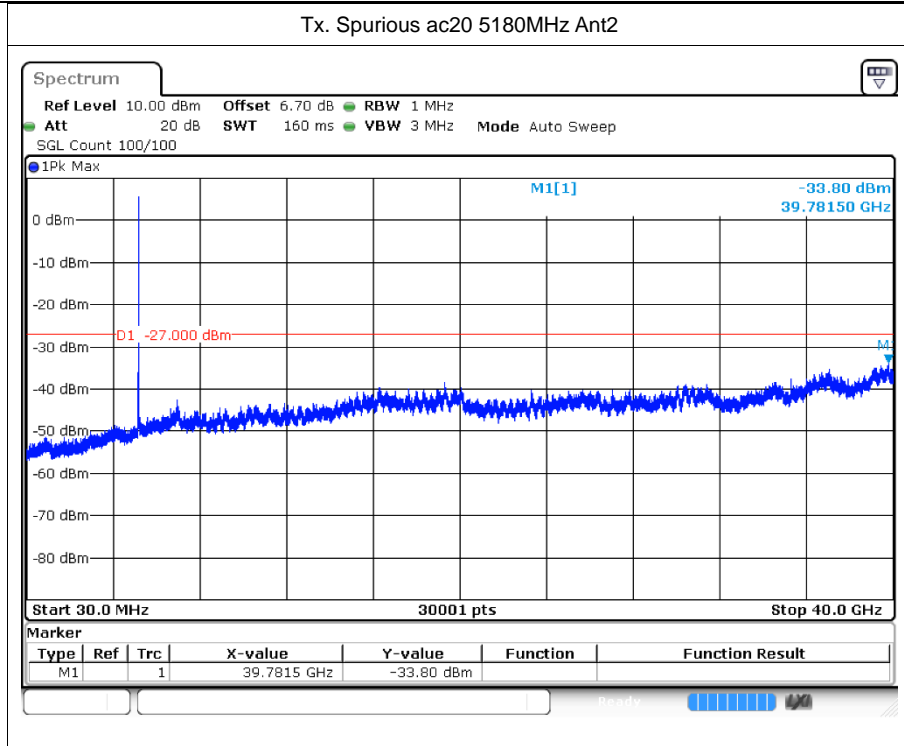


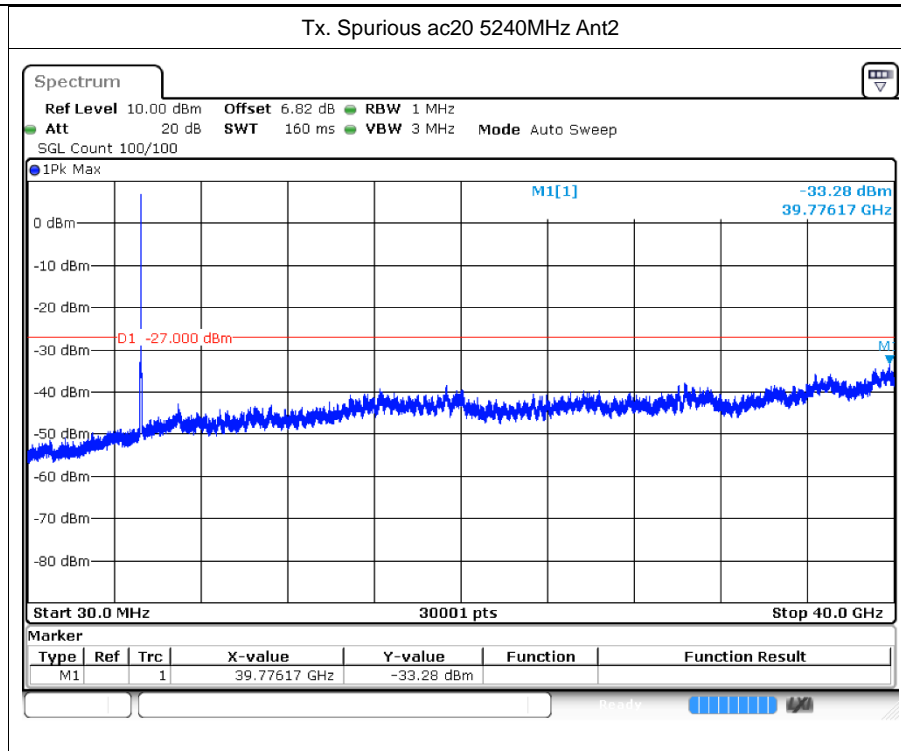


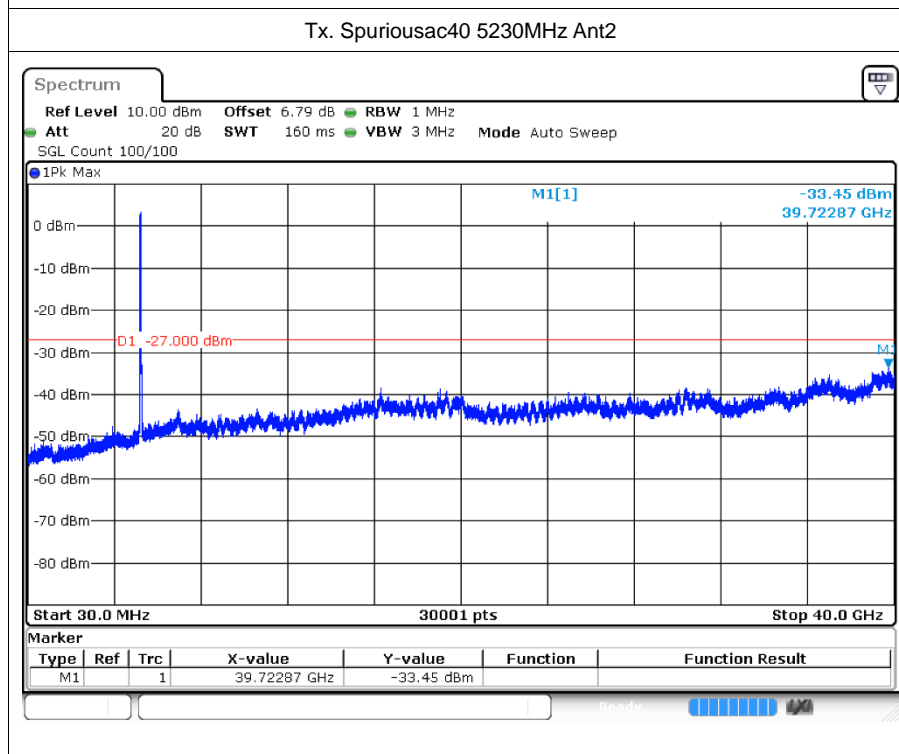
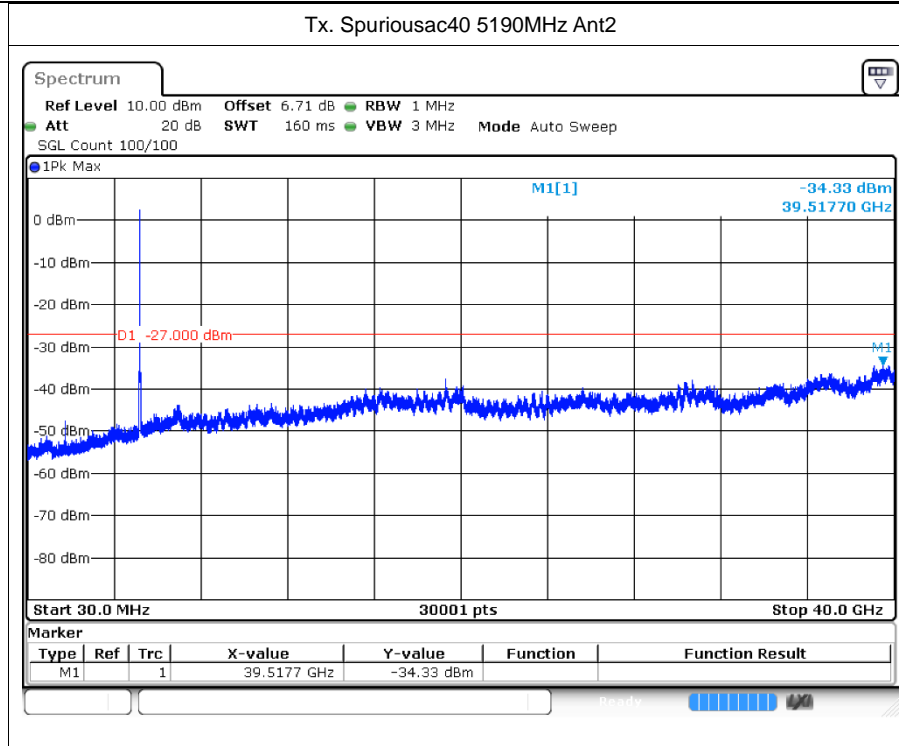


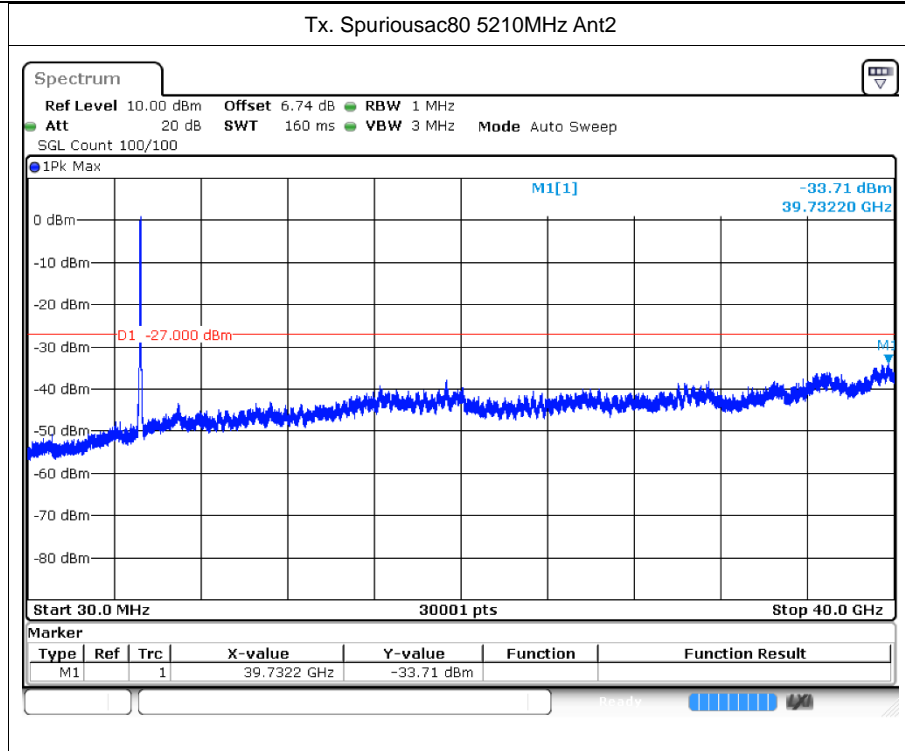














## 8 Restrict Band

### 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	-42.5	3.17	55.9	Peak	68.2	Pass
a	5180	Ant1	4500	-52.93	3.17	45.47	Average	54	Pass
a	5180	Ant1	4508.4	-38.39	3.17	60.01	Peak	68.2	Pass
a	5180	Ant1	4963.4	-50.13	3.17	48.27	Average	54	Pass
a	5180	Ant1	5150	-42.43	3.17	55.97	Peak	68.2	Pass
a	5180	Ant1	5150	-51.92	3.17	46.48	Average	54	Pass
a	5240	Ant1	5350	-42.66	3.17	55.74	Peak	68.2	Pass
a	5240	Ant1	5350	-52.23	3.17	46.17	Average	54	Pass
a	5240	Ant1	5455.92	-37.08	3.17	61.32	Peak	68.2	Pass
a	5240	Ant1	5446.8	-50.13	3.17	48.27	Average	54	Pass
a	5240	Ant1	5460	-42.3	3.17	56.1	Peak	68.2	Pass
a	5240	Ant1	5460	-51.75	3.17	46.65	Average	54	Pass
n20	5180	Ant1	4500	-40.4	3.17	58	Peak	68.2	Pass
n20	5180	Ant1	4500	-52.95	3.17	45.45	Average	54	Pass
n20	5180	Ant1	4970.4	-38.16	3.17	60.24	Peak	68.2	Pass
n20	5180	Ant1	4962.7	-50.15	3.17	48.25	Average	54	Pass
n20	5180	Ant1	5150	-41.5	3.17	56.9	Peak	68.2	Pass
n20	5180	Ant1	5150	-52.03	3.17	46.37	Average	54	Pass
n20	5240	Ant1	5350	-45.79	3.17	52.61	Peak	68.2	Pass
n20	5240	Ant1	5350	-55.95	3.17	42.45	Average	54	Pass
n20	5240	Ant1	5451.84	-41.08	3.17	57.32	Peak	68.2	Pass
n20	5240	Ant1	5446.56	-54.02	3.17	44.38	Average	54	Pass
n20	5240	Ant1	5460	-43.33	3.17	55.07	Peak	68.2	Pass
n20	5240	Ant1	5460	-55.58	3.17	42.82	Average	54	Pass
n40	5190	Ant1	4500	-43.25	3.17	55.15	Peak	68.2	Pass
n40	5190	Ant1	4500	-51.95	3.17	46.45	Average	54	Pass
n40	5190	Ant1	4670.82	-38.62	3.17	59.78	Peak	68.2	Pass
n40	5190	Ant1	4964.28	-49.15	3.17	49.25	Average	54	Pass
n40	5190	Ant1	5150	-39.22	3.17	59.18	Peak	68.2	Pass
n40	5190	Ant1	5150	-50.15	3.17	48.25	Average	54	Pass
n40	5230	Ant1	5350	-42	3.17	56.4	Peak	68.2	Pass
n40	5230	Ant1	5350	-51.24	3.17	47.16	Average	54	Pass
n40	5230	Ant1	5447.85	-39.11	3.17	59.29	Peak	68.2	Pass
n40	5230	Ant1	5450.55	-49.3	3.17	49.1	Average	54	Pass
n40	5230	Ant1	5460	-41.61	3.17	56.79	Peak	68.2	Pass
n40	5230	Ant1	5460	-51.06	3.17	47.34	Average	54	Pass



ac20	5180	Ant1	4500	-42.35	3.17	56.05	Peak	68.2	Pass
ac20	5180	Ant1	4500	-52.96	3.17	45.44	Average	54	Pass
ac20	5180	Ant1	4963.4	-38.54	3.17	59.86	Peak	68.2	Pass
ac20	5180	Ant1	4962.7	-50.1	3.17	48.3	Average	54	Pass
ac20	5180	Ant1	5150	-41.9	3.17	56.5	Peak	68.2	Pass
ac20	5180	Ant1	5150	-52.08	3.17	46.32	Average	54	Pass
ac20	5240	Ant1	5350	-43.21	3.17	55.19	Peak	68.2	Pass
ac20	5240	Ant1	5350	-52.25	3.17	46.15	Average	54	Pass
ac20	5240	Ant1	5407.2	-38.27	3.17	60.13	Peak	68.2	Pass
ac20	5240	Ant1	5446.56	-50.15	3.17	48.25	Average	54	Pass
ac20	5240	Ant1	5460	-42.51	3.17	55.89	Peak	68.2	Pass
ac20	5240	Ant1	5460	-51.74	3.17	46.66	Average	54	Pass
ac40	5190	Ant1	4500	-41.51	3.17	56.89	Peak	68.2	Pass
ac40	5190	Ant1	4500	-52.16	3.17	46.24	Average	54	Pass
ac40	5190	Ant1	4565.7	-38.87	3.17	59.53	Peak	68.2	Pass
ac40	5190	Ant1	4965.01	-49.21	3.17	49.19	Average	54	Pass
ac40	5190	Ant1	5150	-40.09	3.17	58.31	Peak	68.2	Pass
ac40	5190	Ant1	5150	-50.17	3.17	48.23	Average	54	Pass
ac40	5230	Ant1	5350	-41.92	3.17	56.48	Peak	68.2	Pass
ac40	5230	Ant1	5350	-51.69	3.17	46.71	Average	54	Pass
ac40	5230	Ant1	5450.28	-38.99	3.17	59.41	Peak	68.2	Pass
ac40	5230	Ant1	5449.74	-49.3	3.17	49.1	Average	54	Pass
ac40	5230	Ant1	5460	-42.16	3.17	56.24	Peak	68.2	Pass
ac40	5230	Ant1	5460	-50.53	3.17	47.87	Average	54	Pass
ac80	5210	Ant1	4500	-41.5	3.17	56.9	Peak	68.2	Pass
ac80	5210	Ant1	4500	-52.19	3.17	46.21	Average	54	Pass
ac80	5210	Ant1	5147.8	-36.86	3.17	61.54	Peak	68.2	Pass
ac80	5210	Ant1	5146.22	-48.12	3.17	50.28	Average	54	Pass
ac80	5210	Ant1	5150	-38.68	3.17	59.72	Peak	68.2	Pass
ac80	5210	Ant1	5150	-48.43	3.17	49.97	Average	54	Pass
a	5180	Ant2	4500	-42.08	3.17	56.32	Peak	68.2	Pass
a	5180	Ant2	4500	-53.07	3.17	45.33	Average	54	Pass
a	5180	Ant2	4508.4	-38.78	3.17	59.62	Peak	68.2	Pass
a	5180	Ant2	4962.7	-50.28	3.17	48.12	Average	54	Pass
a	5180	Ant2	5150	-42.99	3.17	55.41	Peak	68.2	Pass
a	5180	Ant2	5150	-52.26	3.17	46.14	Average	54	Pass
a	5240	Ant2	5350	-43.4	3.17	55	Peak	68.2	Pass
a	5240	Ant2	5350	-52.2	3.17	46.2	Average	54	Pass
a	5240	Ant2	5449.2	-38.6	3.17	59.8	Peak	68.2	Pass
a	5240	Ant2	5446.8	-50.11	3.17	48.29	Average	54	Pass
a	5240	Ant2	5460	-40.81	3.17	57.59	Peak	68.2	Pass
a	5240	Ant2	5460	-51.71	3.17	46.69	Average	54	Pass
n20	5180	Ant2	4500	-42.27	3.17	56.13	Peak	68.2	Pass



n20	5180	Ant2	4500	-53.06	3.17	45.34	Average	54	Pass
n20	5180	Ant2	5057.9	-38.53	3.17	59.87	Peak	68.2	Pass
n20	5180	Ant2	4962.7	-50.3	3.17	48.1	Average	54	Pass
n20	5180	Ant2	5150	-41.87	3.17	56.53	Peak	68.2	Pass
n20	5180	Ant2	5150	-52.32	3.17	46.08	Average	54	Pass
n20	5240	Ant2	5350	-43.17	3.17	55.23	Peak	68.2	Pass
n20	5240	Ant2	5350	-52.2	3.17	46.2	Average	54	Pass
n20	5240	Ant2	5455.44	-38.48	3.17	59.92	Peak	68.2	Pass
n20	5240	Ant2	5446.56	-50.12	3.17	48.28	Average	54	Pass
n20	5240	Ant2	5460	-42.91	3.17	55.49	Peak	68.2	Pass
n20	5240	Ant2	5460	-51.69	3.17	46.71	Average	54	Pass
n40	5190	Ant2	4500	-42.76	3.17	55.64	Peak	68.2	Pass
n40	5190	Ant2	4500	-53.03	3.17	45.37	Average	54	Pass
n40	5190	Ant2	5147.51	-37.88	3.17	60.52	Peak	68.2	Pass
n40	5190	Ant2	4964.28	-50.24	3.17	48.16	Average	54	Pass
n40	5190	Ant2	5150	-39.67	3.17	58.73	Peak	68.2	Pass
n40	5190	Ant2	5150	-50.56	3.17	47.84	Average	54	Pass
n40	5230	Ant2	5350	-41.19	3.17	57.21	Peak	68.2	Pass
n40	5230	Ant2	5350	-52.06	3.17	46.34	Average	54	Pass
n40	5230	Ant2	5454.06	-39.21	3.17	59.19	Peak	68.2	Pass
n40	5230	Ant2	5447.31	-50.15	3.17	48.25	Average	54	Pass
n40	5230	Ant2	5460	-42.55	3.17	55.85	Peak	68.2	Pass
n40	5230	Ant2	5460	-51.64	3.17	46.76	Average	54	Pass
ac20	5180	Ant2	4500	-42.03	3.17	56.37	Peak	68.2	Pass
ac20	5180	Ant2	4500	-53.07	3.17	45.33	Average	54	Pass
ac20	5180	Ant2	4789.8	-38.81	3.17	59.59	Peak	68.2	Pass
ac20	5180	Ant2	4962.7	-50.3	3.17	48.1	Average	54	Pass
ac20	5180	Ant2	5150	-41.75	3.17	56.65	Peak	68.2	Pass
ac20	5180	Ant2	5150	-52.34	3.17	46.06	Average	54	Pass
ac20	5240	Ant2	5350	-41.95	3.17	56.45	Peak	68.2	Pass
ac20	5240	Ant2	5350	-52.19	3.17	46.21	Average	54	Pass
ac20	5240	Ant2	5448.24	-38.79	3.17	59.61	Peak	68.2	Pass
ac20	5240	Ant2	5446.56	-50.11	3.17	48.29	Average	54	Pass
ac20	5240	Ant2	5460	-40.75	3.17	57.65	Peak	68.2	Pass
ac20	5240	Ant2	5460	-51.65	3.17	46.75	Average	54	Pass
ac40	5190	Ant2	4500	-40.21	3.17	58.19	Peak	68.2	Pass
ac40	5190	Ant2	4500	-53.06	3.17	45.34	Average	54	Pass
ac40	5190	Ant2	5148.97	-39.11	3.17	59.29	Peak	68.2	Pass
ac40	5190	Ant2	4964.28	-50.28	3.17	48.12	Average	54	Pass
ac40	5190	Ant2	5150	-39.32	3.17	59.08	Peak	68.2	Pass
ac40	5190	Ant2	5150	-50.59	3.17	47.81	Average	54	Pass
ac40	5230	Ant2	5350	-43	3.17	55.4	Peak	68.2	Pass
ac40	5230	Ant2	5350	-52.04	3.17	46.36	Average	54	Pass



ac40	5230	Ant2	5453.79	-38.38	3.17	60.02	Peak	68.2	Pass
ac40	5230	Ant2	5447.31	-50.14	3.17	48.26	Average	54	Pass
ac40	5230	Ant2	5460	-40.85	3.17	57.55	Peak	68.2	Pass
ac40	5230	Ant2	5460	-51.65	3.17	46.75	Average	54	Pass
ac80	5210	Ant2	4500	-43.25	3.17	55.15	Peak	68.2	Pass
ac80	5210	Ant2	4500	-53.01	3.17	45.39	Average	54	Pass
ac80	5210	Ant2	5124.1	-38.14	3.17	60.26	Peak	68.2	Pass
ac80	5210	Ant2	5148.59	-50.06	3.17	48.34	Average	54	Pass
ac80	5210	Ant2	5150	-38.18	3.17	60.22	Peak	68.2	Pass
ac80	5210	Ant2	5150	-50.03	3.17	48.37	Average	54	Pass

**SUM**

Mode	Frequency (MHz)	Ant.	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
n20	5180	Sum	4500	-38.225	3.17	60.145	Peak	68.2	Pass
n20	5180	Sum	4500	-49.994	3.17	48.376	Average	54	Pass
n20	5180	Sum	5057.9	-35.331	3.17	63.039	Peak	68.2	Pass
n20	5180	Sum	4962.7	-47.214	3.17	51.156	Average	54	Pass
n20	5180	Sum	5150	-38.671	3.17	59.699	Peak	68.2	Pass
n20	5180	Sum	5150	-49.162	3.17	49.208	Average	54	Pass
n20	5240	Sum	5350	-41.275	3.17	57.095	Peak	68.2	Pass
n20	5240	Sum	5350	-50.672	3.17	47.698	Average	54	Pass
n20	5240	Sum	5455.44	-36.578	3.17	61.792	Peak	68.2	Pass
n20	5240	Sum	5446.56	-48.636	3.17	49.734	Average	54	Pass
n20	5240	Sum	5460	-40.105	3.17	58.265	Peak	68.2	Pass
n20	5240	Sum	5460	-50.203	3.17	48.167	Average	54	Pass
n40	5190	Sum	4500	-39.988	3.17	58.382	Peak	68.2	Pass
n40	5190	Sum	4500	-49.446	3.17	48.924	Average	54	Pass
n40	5190	Sum	5147.51	-35.224	3.17	63.146	Peak	68.2	Pass
n40	5190	Sum	4964.28	-46.651	3.17	51.719	Average	54	Pass
n40	5190	Sum	5150	-36.429	3.17	61.941	Peak	68.2	Pass
n40	5190	Sum	5150	-47.340	3.17	51.030	Average	54	Pass
n40	5230	Sum	5350	-38.566	3.17	59.804	Peak	68.2	Pass
n40	5230	Sum	5350	-48.620	3.17	49.750	Average	54	Pass
n40	5230	Sum	5454.06	-36.149	3.17	62.221	Peak	68.2	Pass
n40	5230	Sum	5447.31	-46.694	3.17	51.676	Average	54	Pass
n40	5230	Sum	5460	-39.044	3.17	59.326	Peak	68.2	Pass
n40	5230	Sum	5460	-48.330	3.17	50.040	Average	54	Pass
ac20	5180	Sum	4500	-39.177	3.17	59.193	Peak	68.2	Pass
ac20	5180	Sum	4500	-50.004	3.17	48.366	Average	54	Pass
ac20	5180	Sum	4789.8	-35.663	3.17	62.707	Peak	68.2	Pass
ac20	5180	Sum	4962.7	-47.189	3.17	51.181	Average	54	Pass
ac20	5180	Sum	5150	-38.814	3.17	59.556	Peak	68.2	Pass

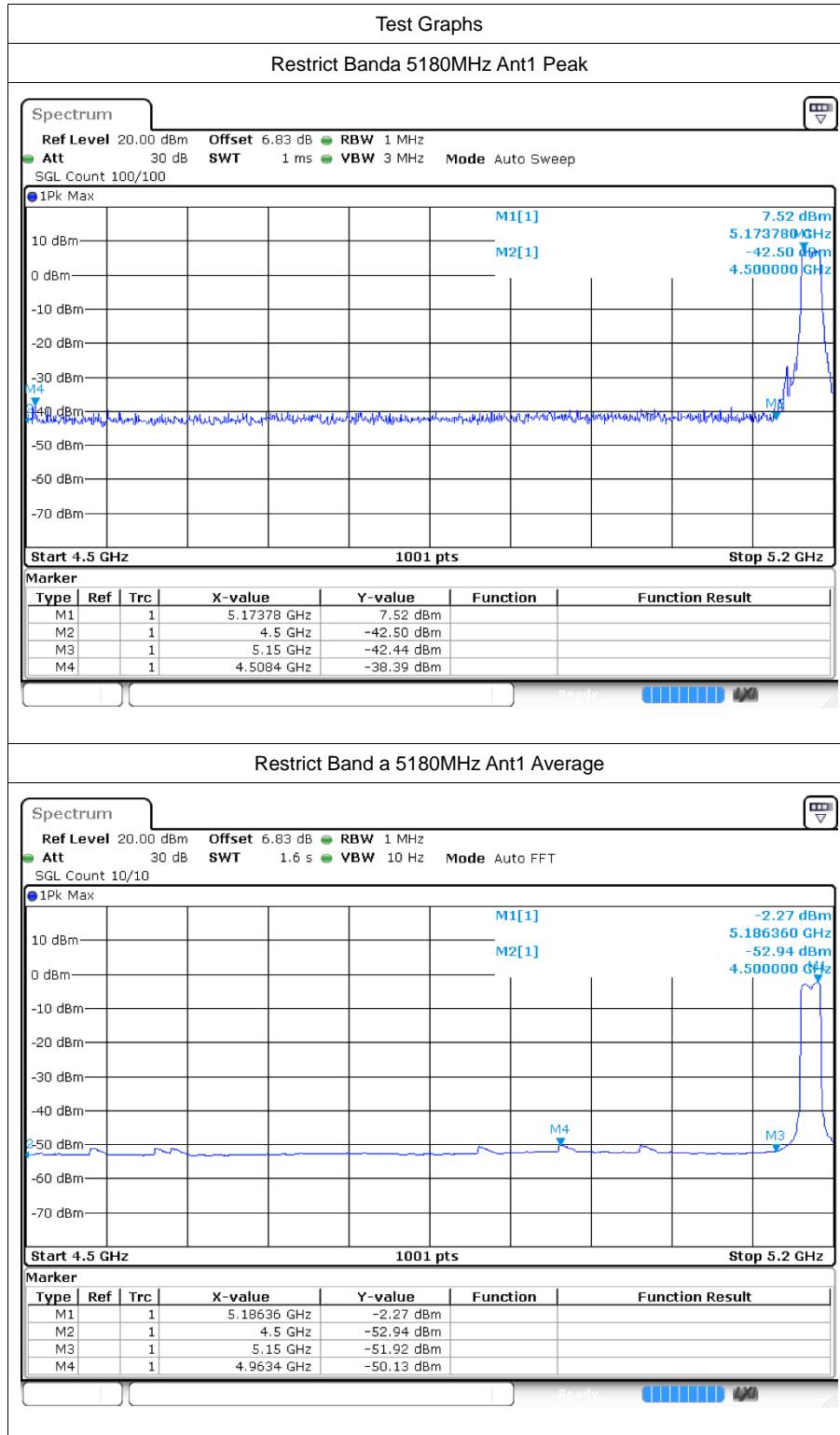


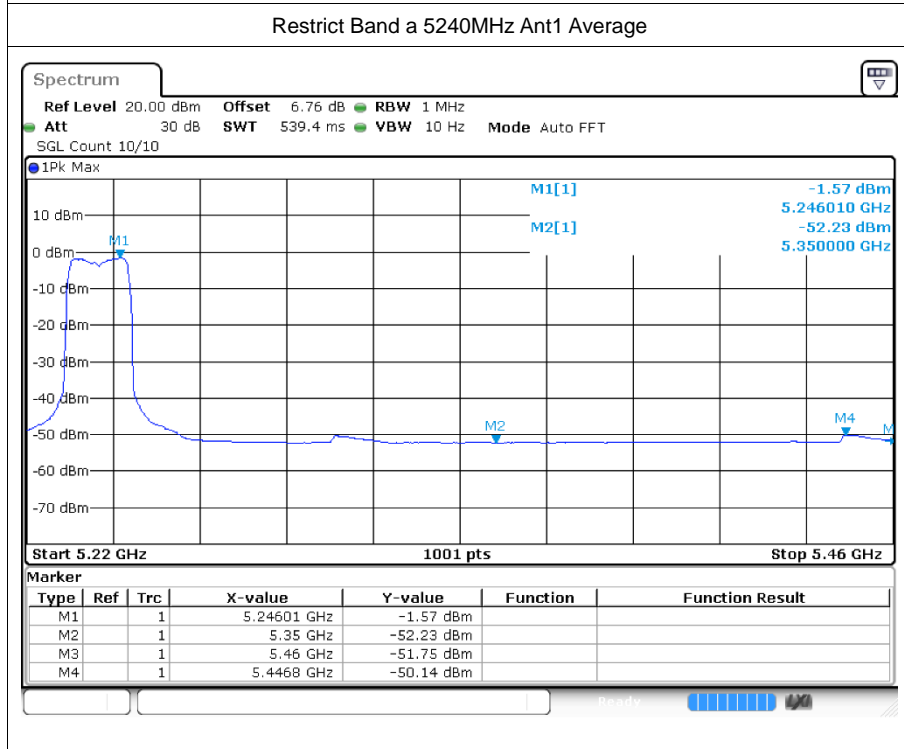
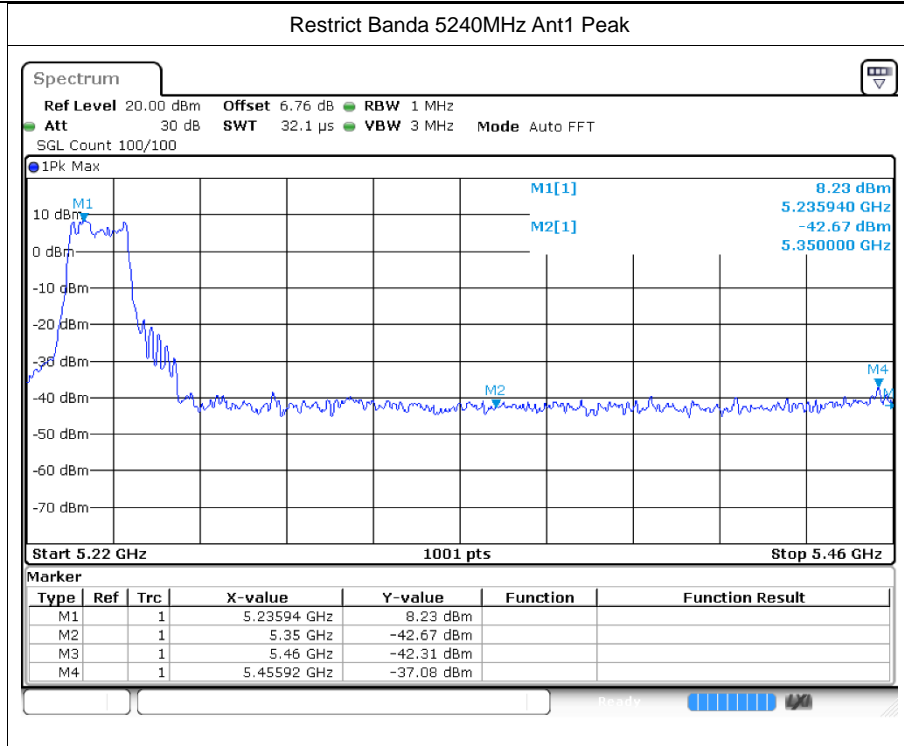


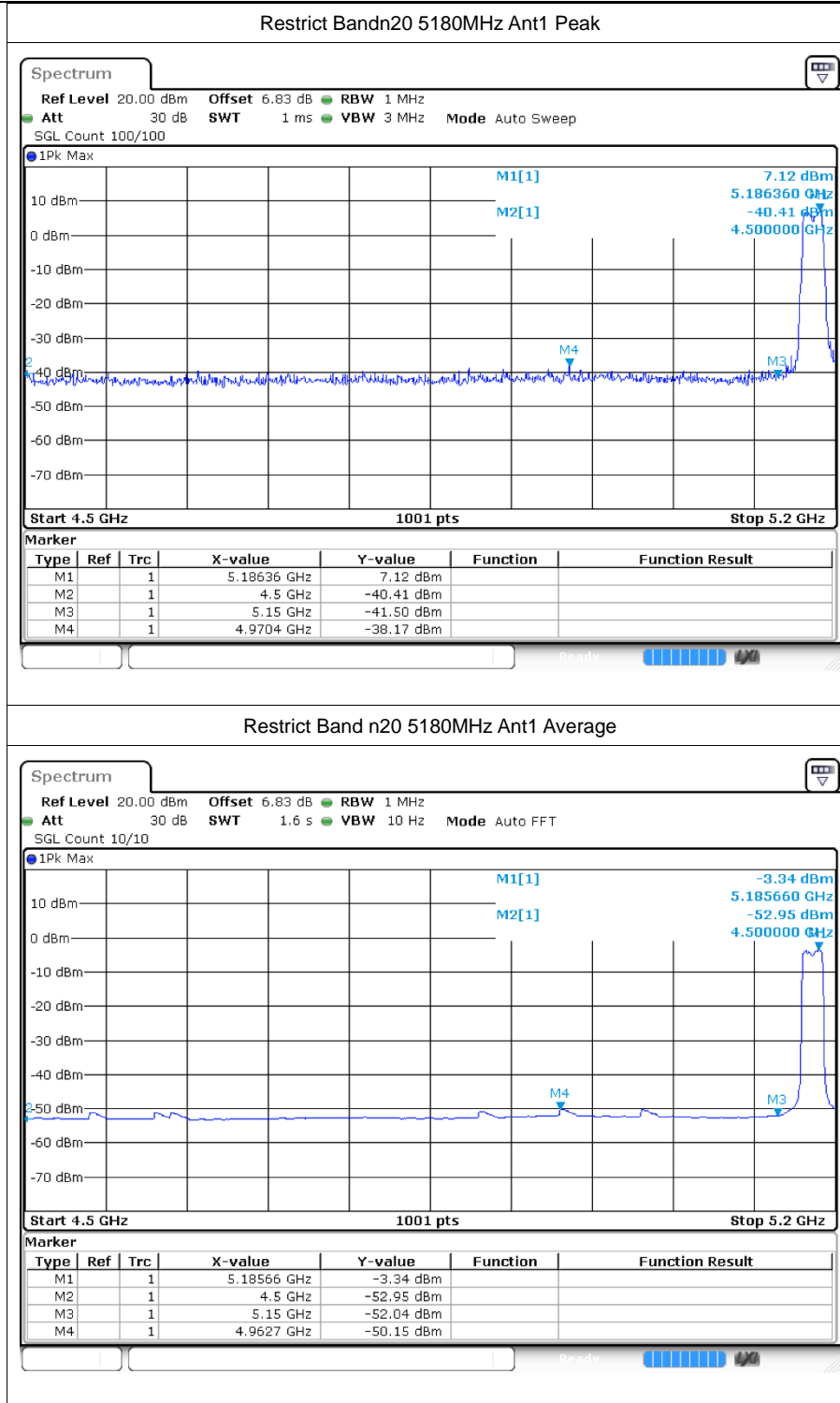
ac20	5180	Sum	5150	-49.198	3.17	49.172	Average	54	Pass
ac20	5240	Sum	5350	-39.524	3.17	58.846	Peak	68.2	Pass
ac20	5240	Sum	5350	-49.210	3.17	49.160	Average	54	Pass
ac20	5240	Sum	5448.24	-35.512	3.17	62.858	Peak	68.2	Pass
ac20	5240	Sum	5446.56	-47.120	3.17	51.250	Average	54	Pass
ac20	5240	Sum	5460	-38.531	3.17	59.839	Peak	68.2	Pass
ac20	5240	Sum	5460	-48.684	3.17	49.686	Average	54	Pass
ac40	5190	Sum	4500	-37.801	3.17	60.569	Peak	68.2	Pass
ac40	5190	Sum	4500	-49.576	3.17	48.794	Average	54	Pass
ac40	5190	Sum	5148.97	-35.978	3.17	62.392	Peak	68.2	Pass
ac40	5190	Sum	4964.28	-46.702	3.17	51.668	Average	54	Pass
ac40	5190	Sum	5150	-36.678	3.17	61.692	Peak	68.2	Pass
ac40	5190	Sum	5150	-47.365	3.17	51.005	Average	54	Pass
ac40	5230	Sum	5350	-39.416	3.17	58.954	Peak	68.2	Pass
ac40	5230	Sum	5350	-48.851	3.17	49.519	Average	54	Pass
ac40	5230	Sum	5453.79	-35.664	3.17	62.706	Peak	68.2	Pass
ac40	5230	Sum	5447.31	-46.689	3.17	51.681	Average	54	Pass
ac40	5230	Sum	5460	-38.445	3.17	59.925	Peak	68.2	Pass
ac40	5230	Sum	5460	-48.044	3.17	50.326	Average	54	Pass
ac80	5210	Sum	4500	-39.277	3.17	59.093	Peak	68.2	Pass
ac80	5210	Sum	4500	-49.570	3.17	48.800	Average	54	Pass
ac80	5210	Sum	5124.1	-34.443	3.17	63.927	Peak	68.2	Pass
ac80	5210	Sum	5148.59	-45.972	3.17	52.398	Average	54	Pass
ac80	5210	Sum	5150	-35.413	3.17	62.957	Peak	68.2	Pass
ac80	5210	Sum	5150	-46.146	3.17	52.224	Average	54	Pass

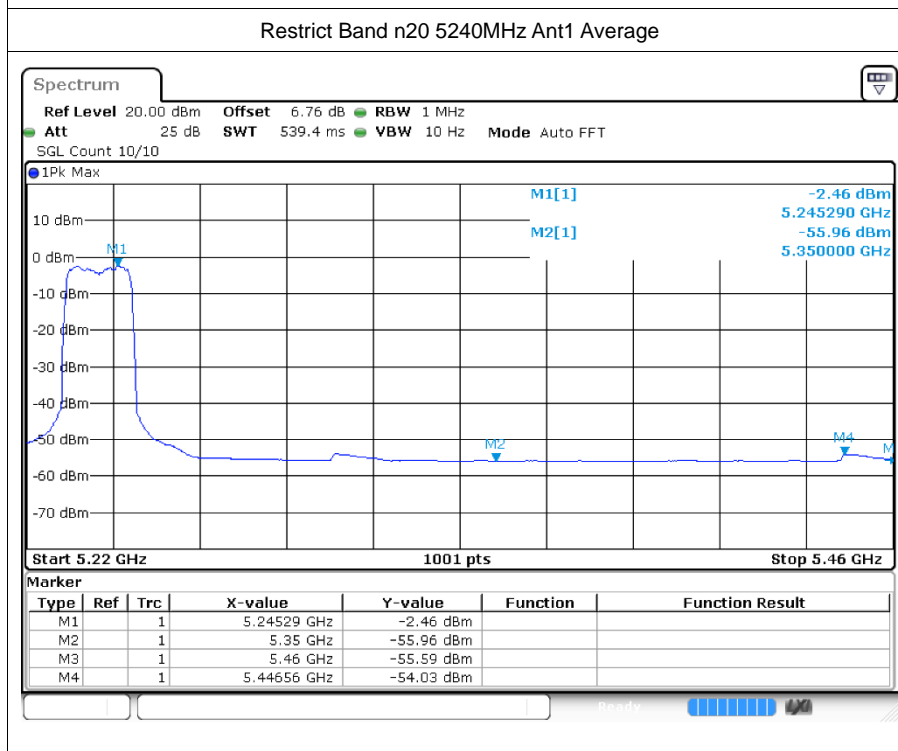
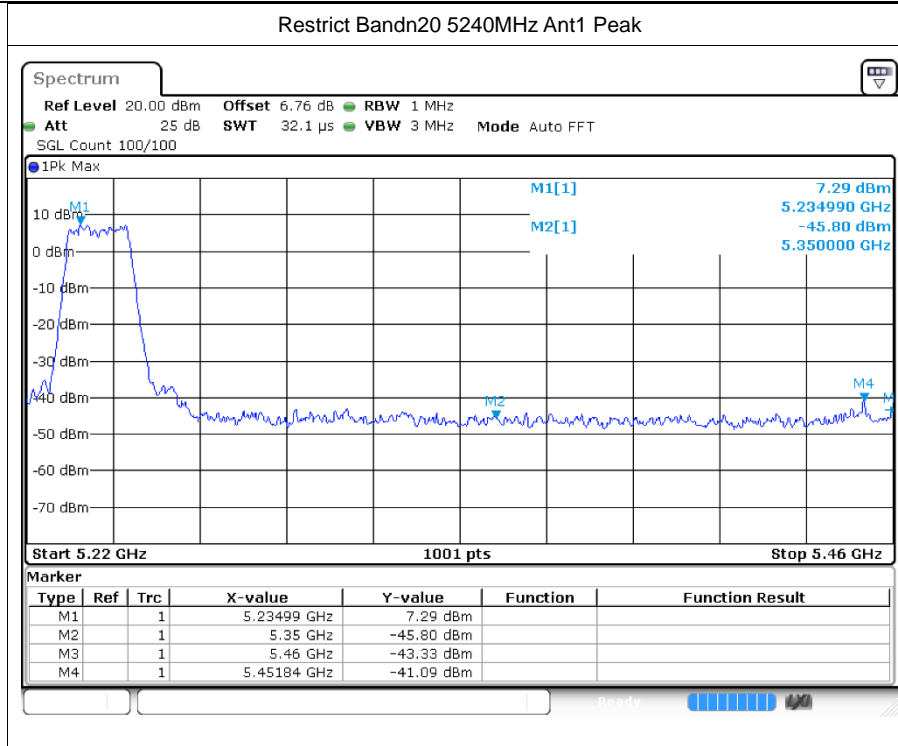


## 8.2 Test Graphs



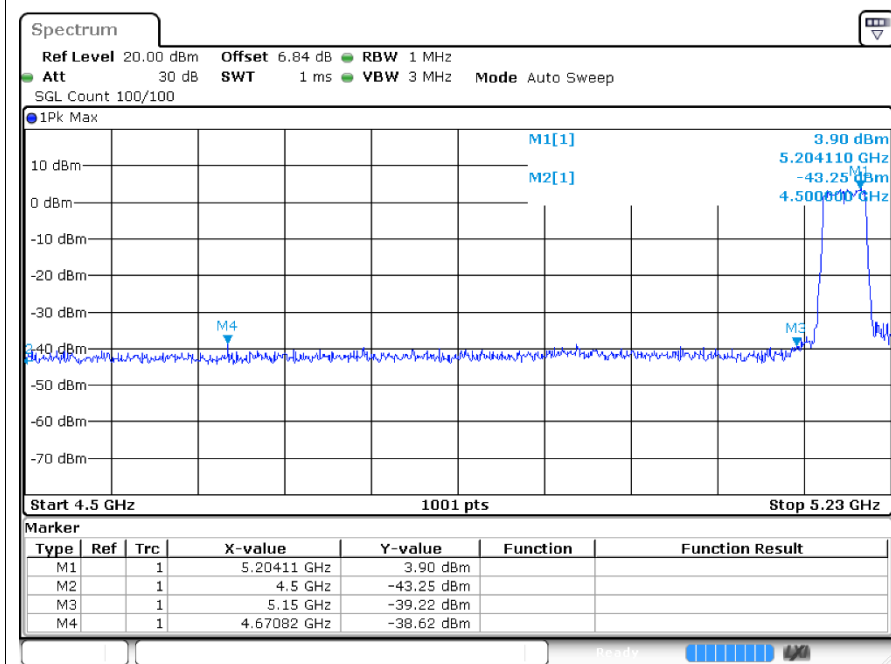




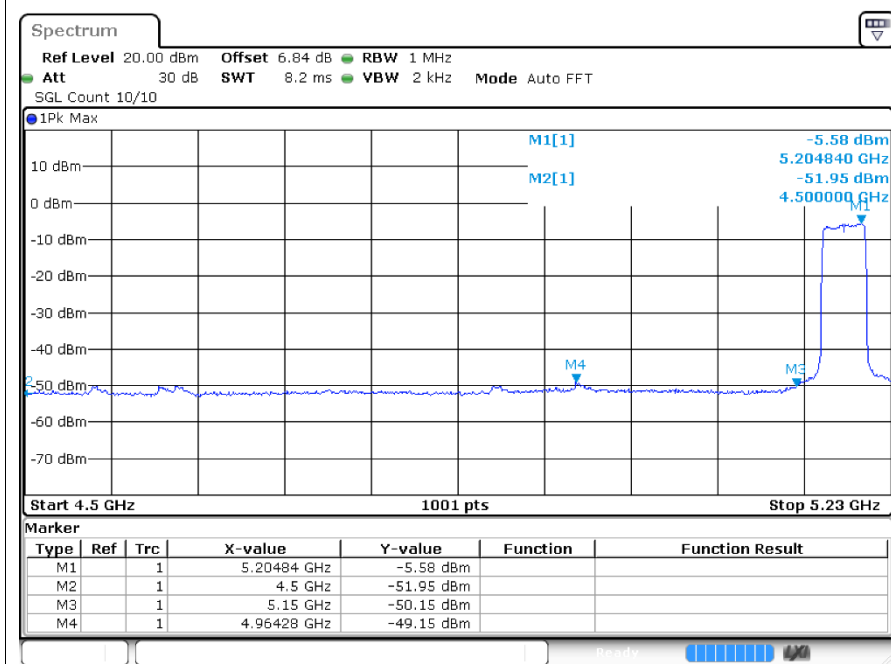


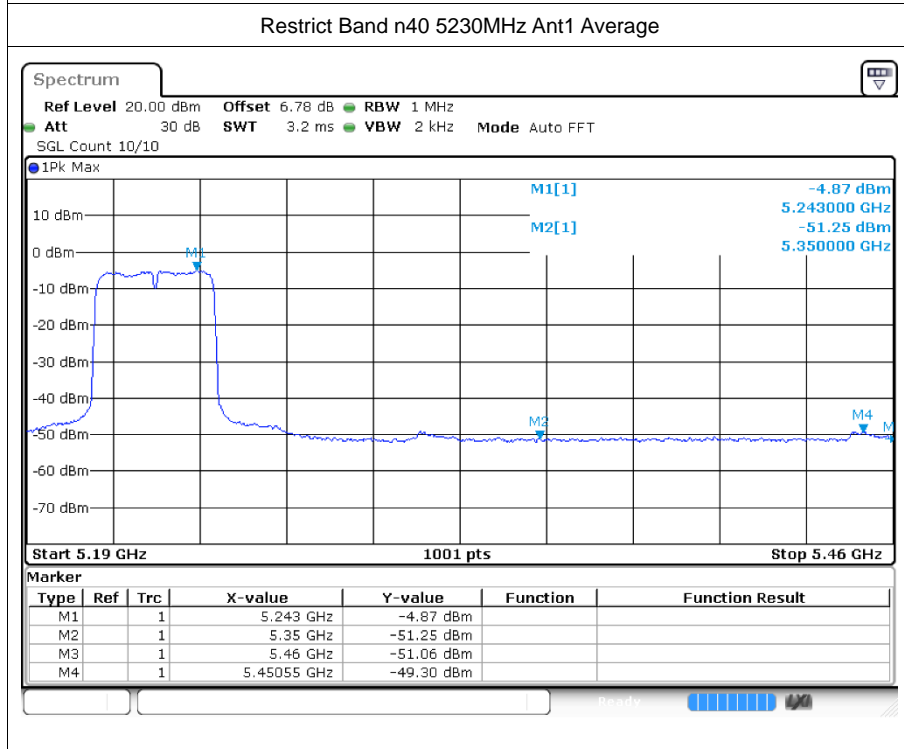
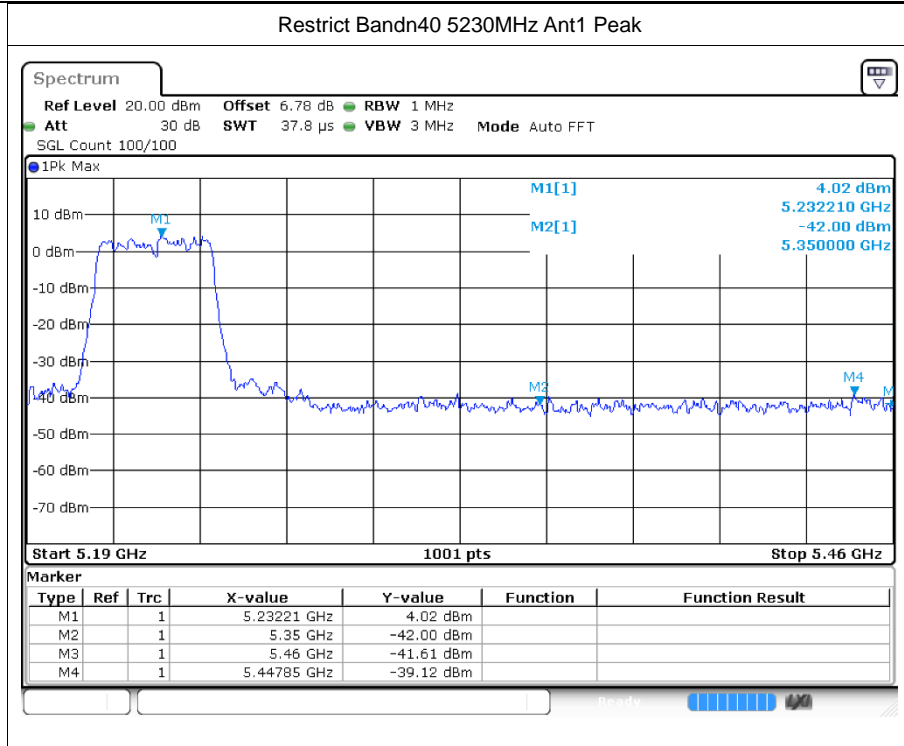


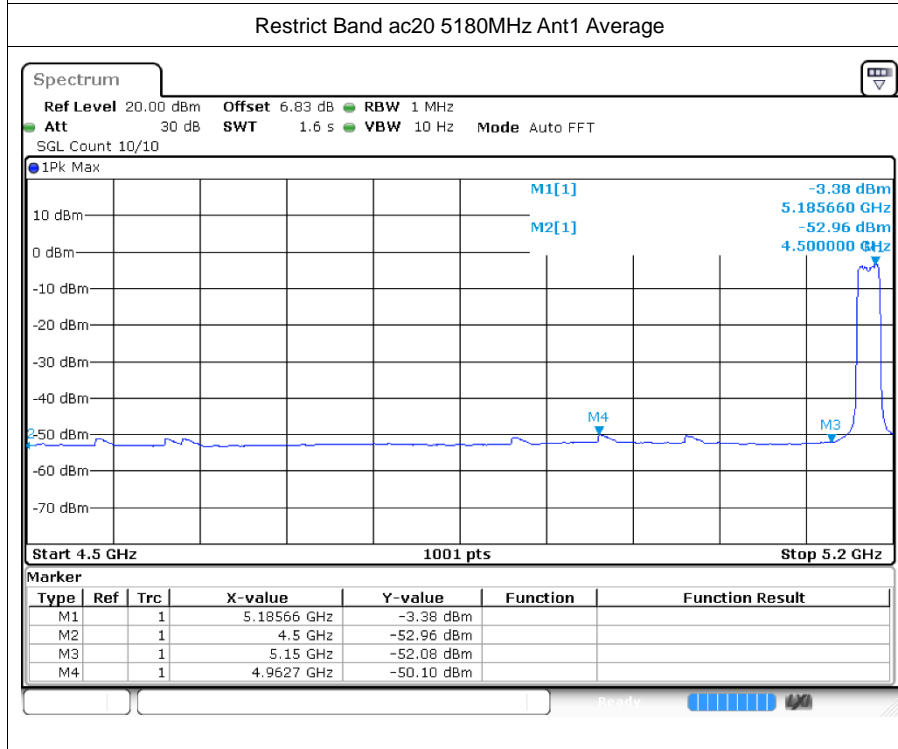
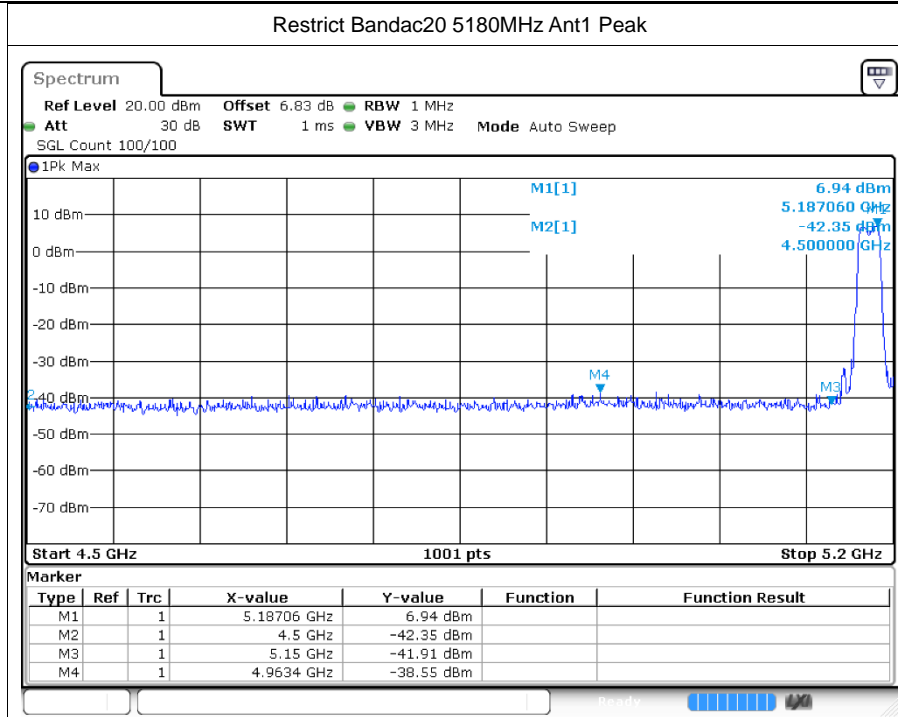
Restrict Bandn40 5190MHz Ant1 Peak



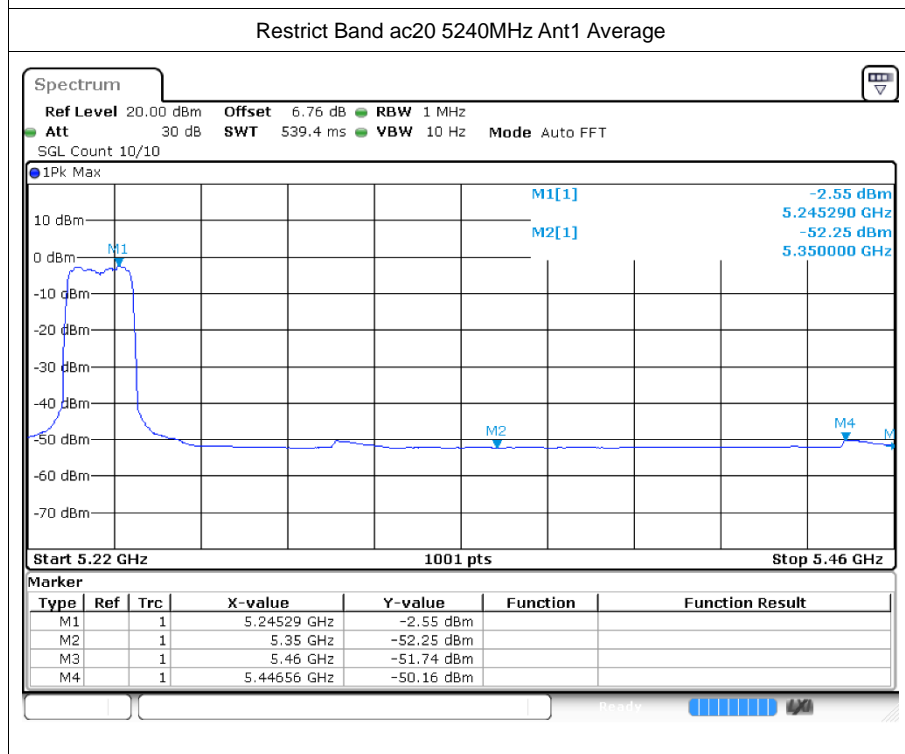
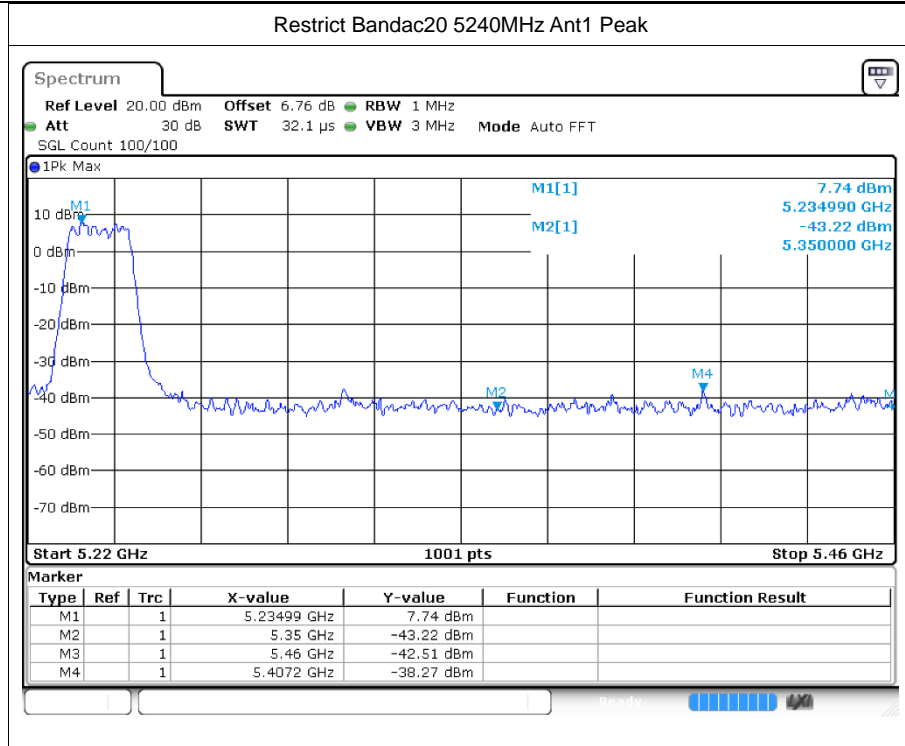
Restrict Band n40 5190MHz Ant1 Average

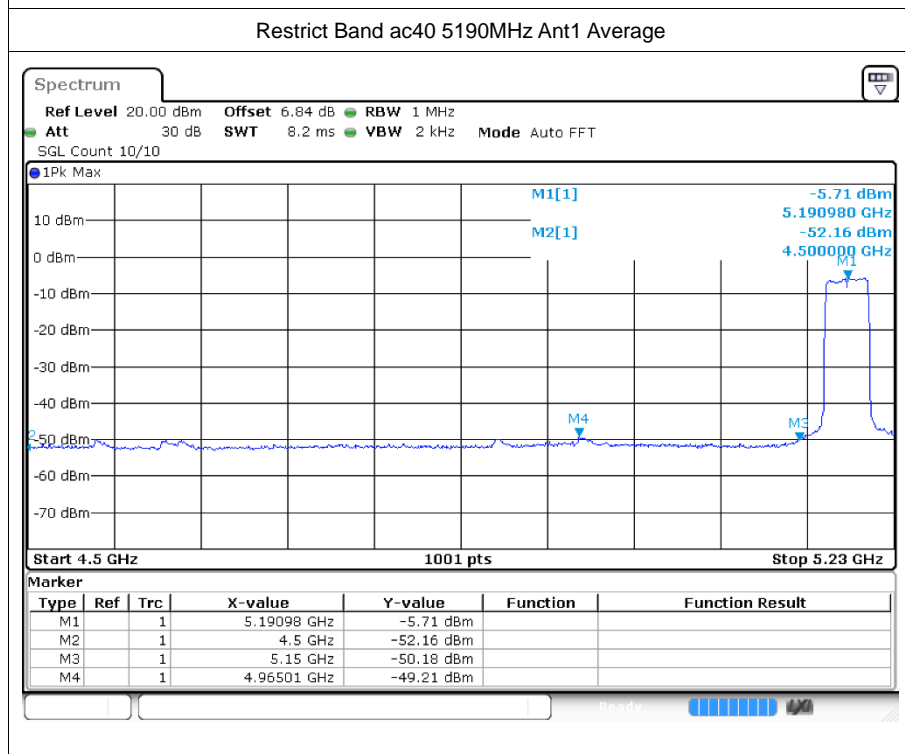
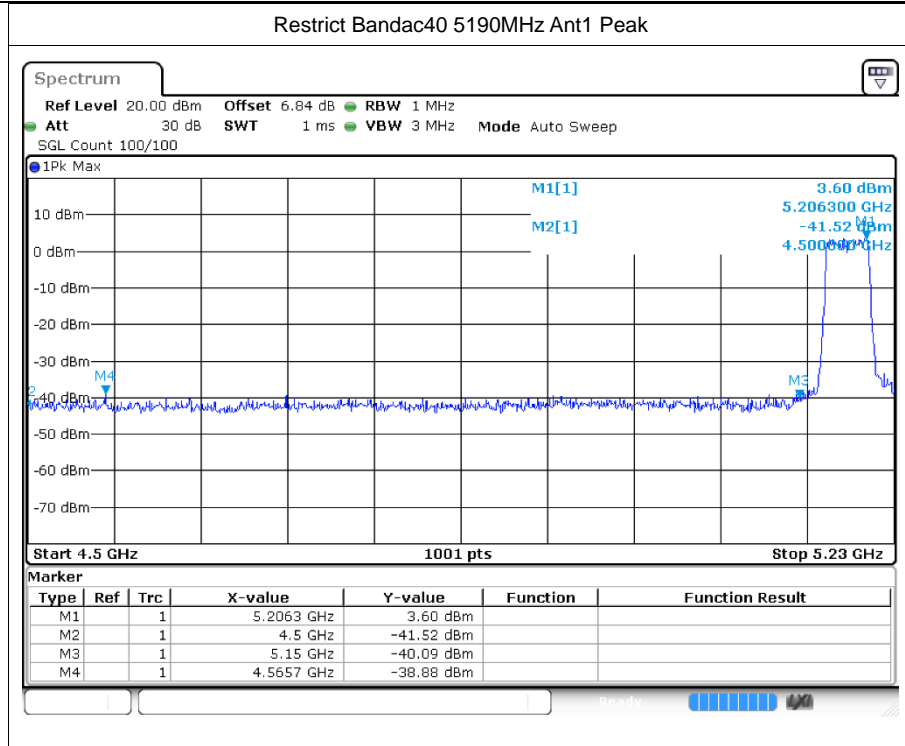






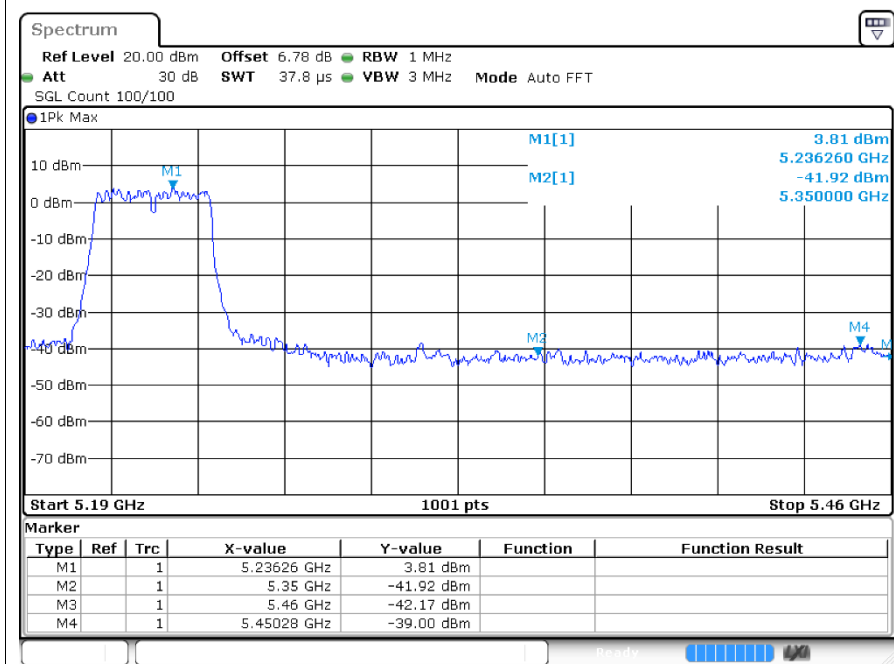




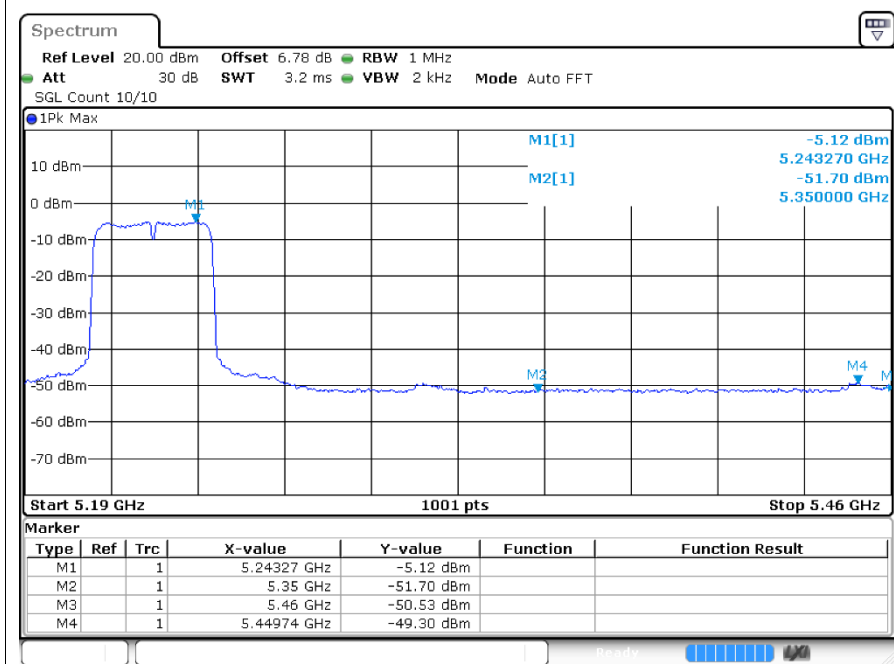


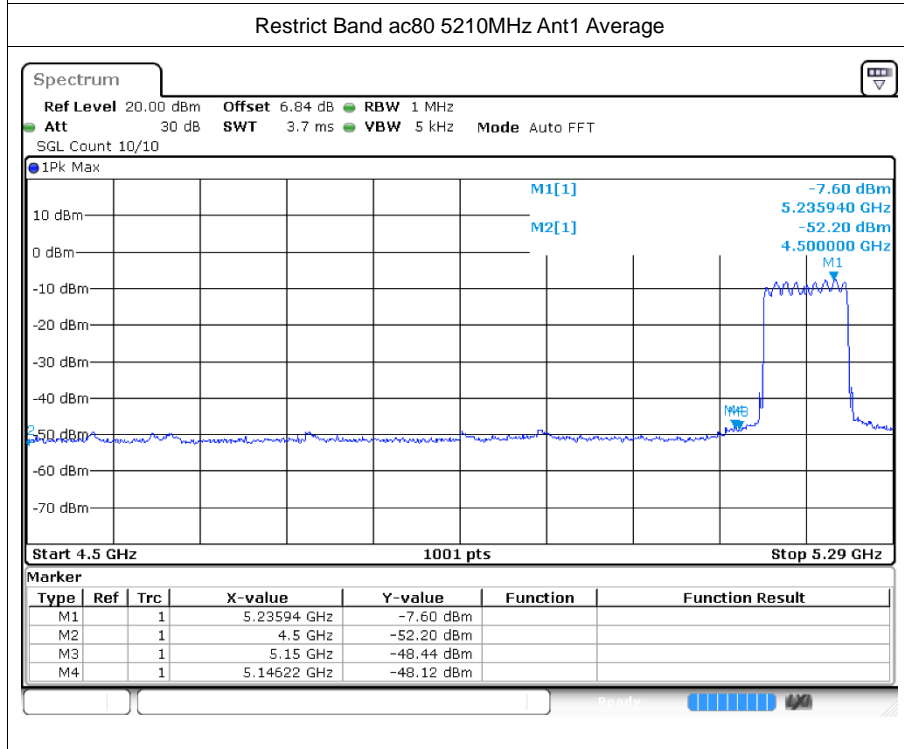
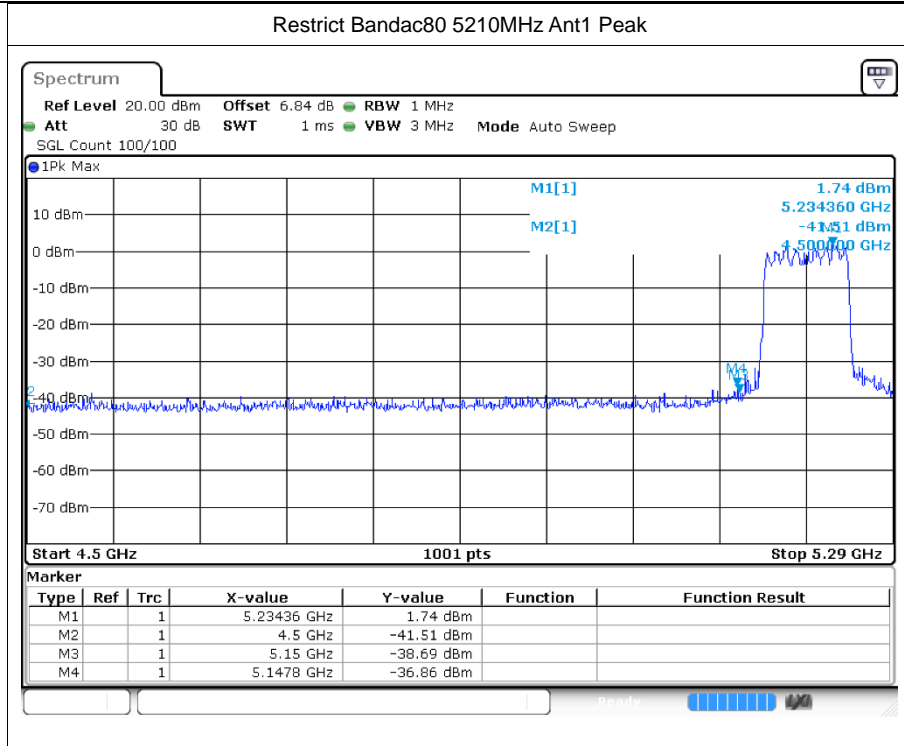


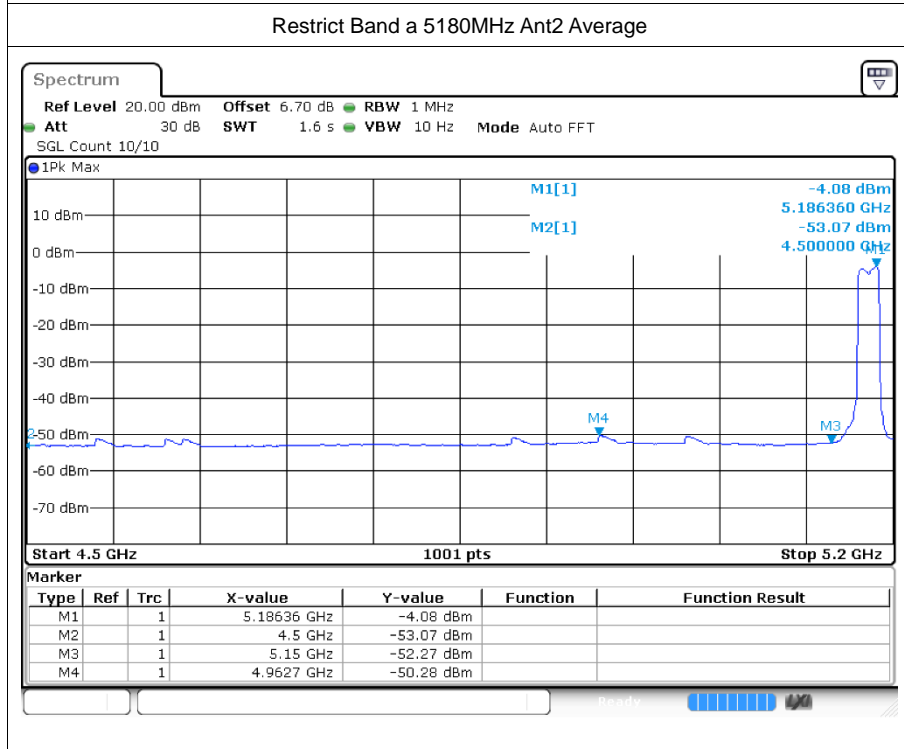
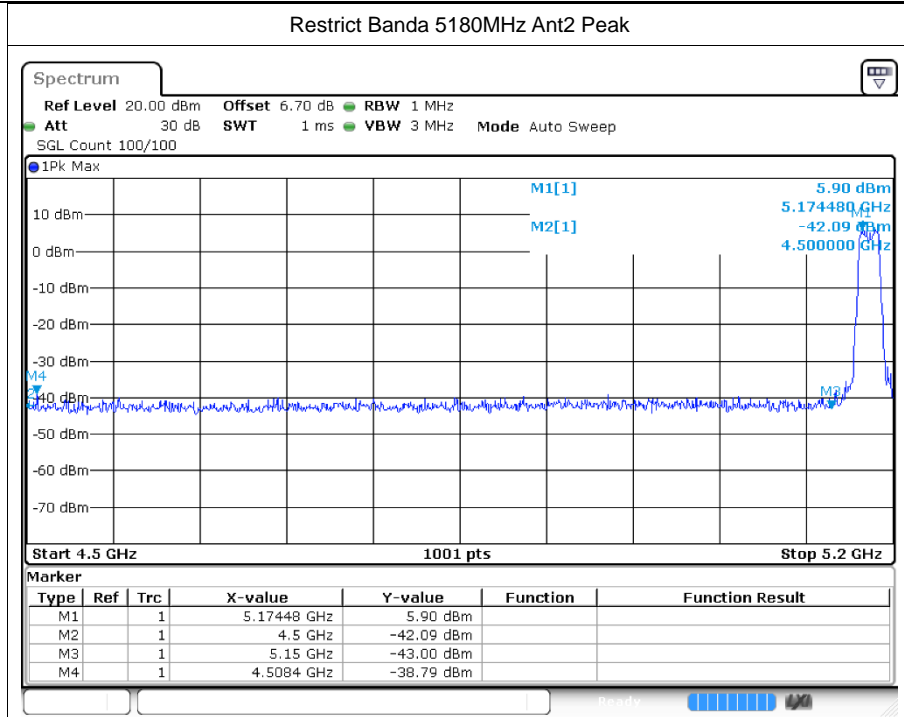
Restrict Bandac40 5230MHz Ant1 Peak



Restrict Band ac40 5230MHz Ant1 Average

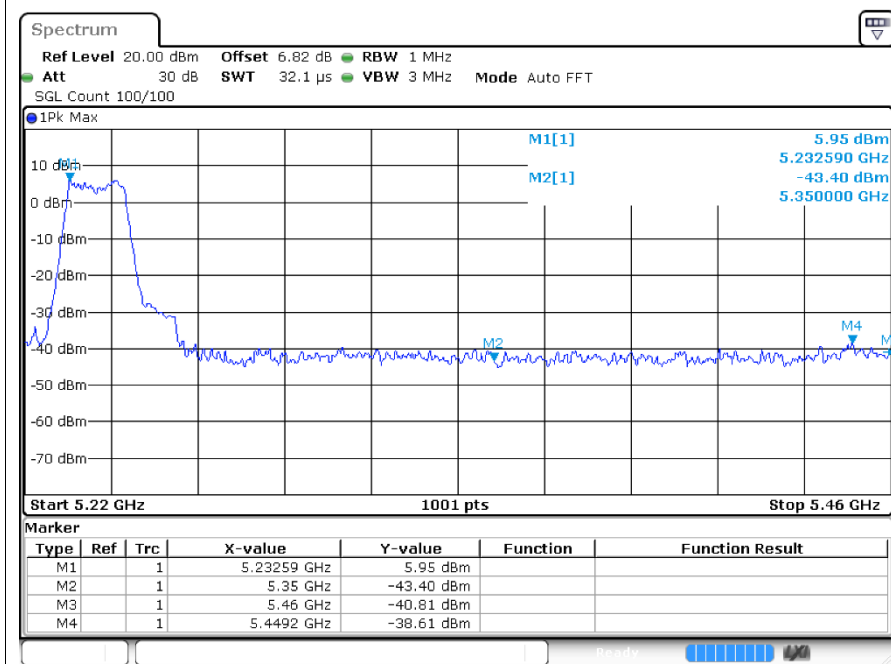




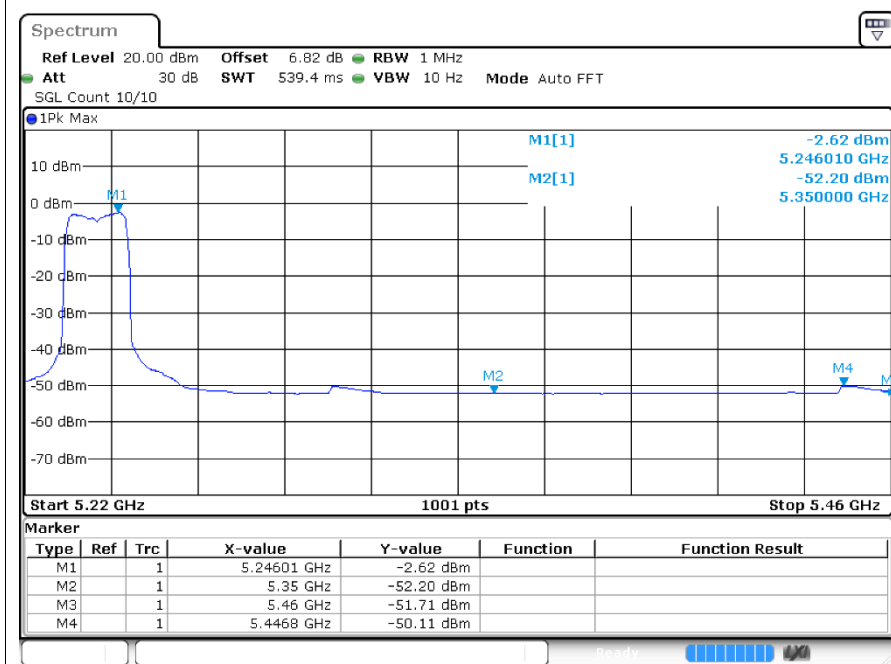


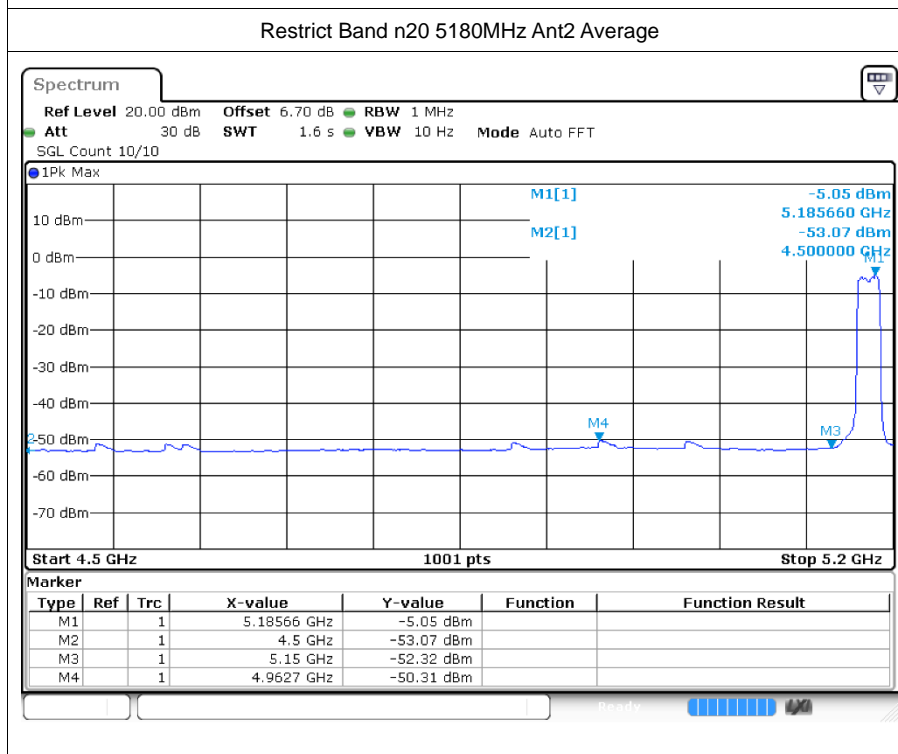
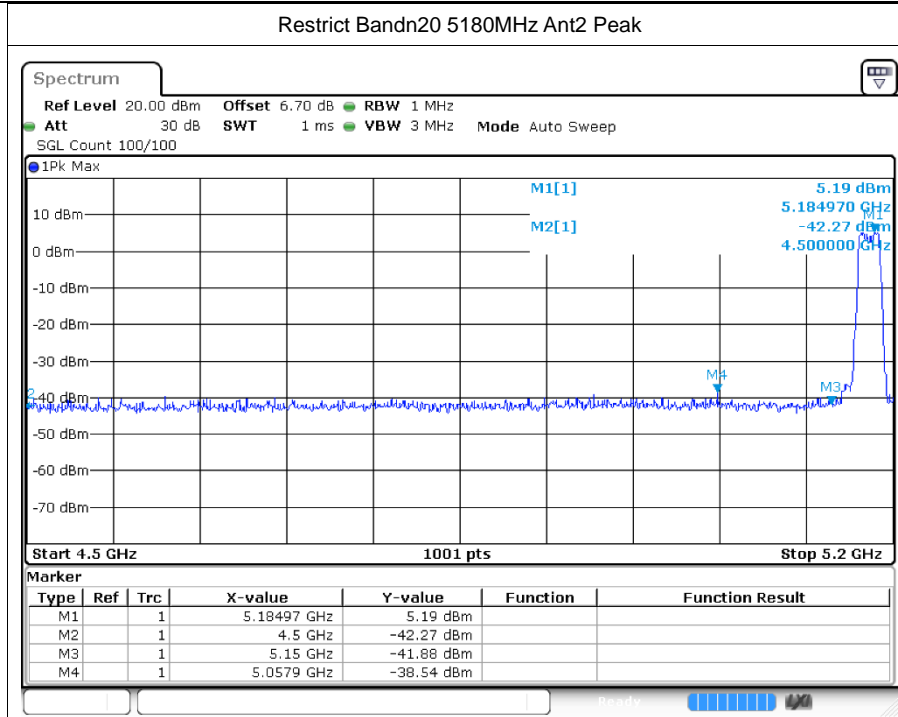


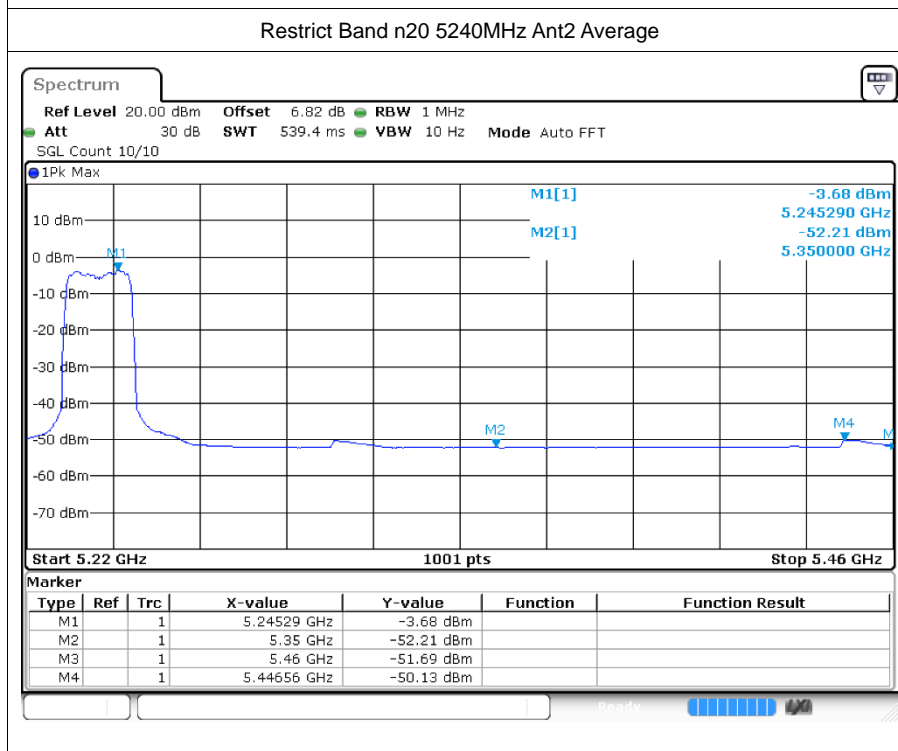
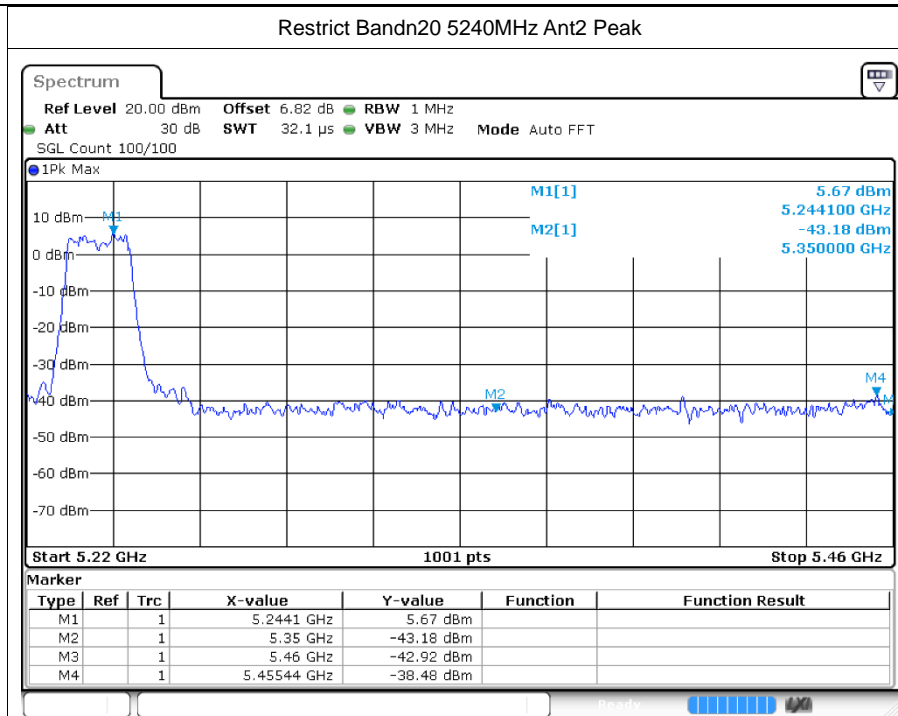
Restrict Banda 5240MHz Ant2 Peak



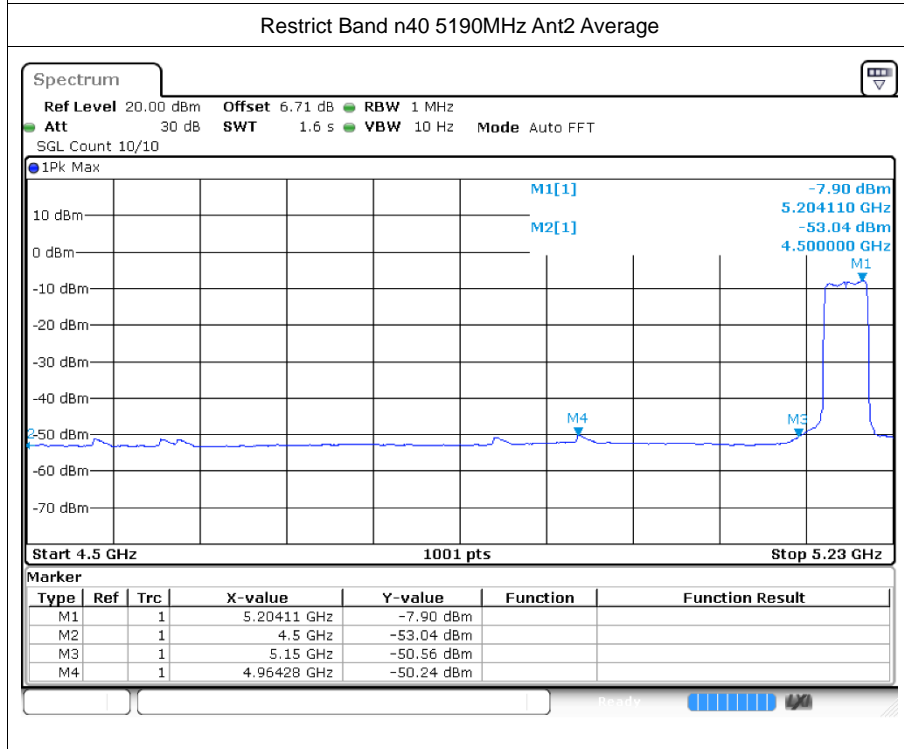
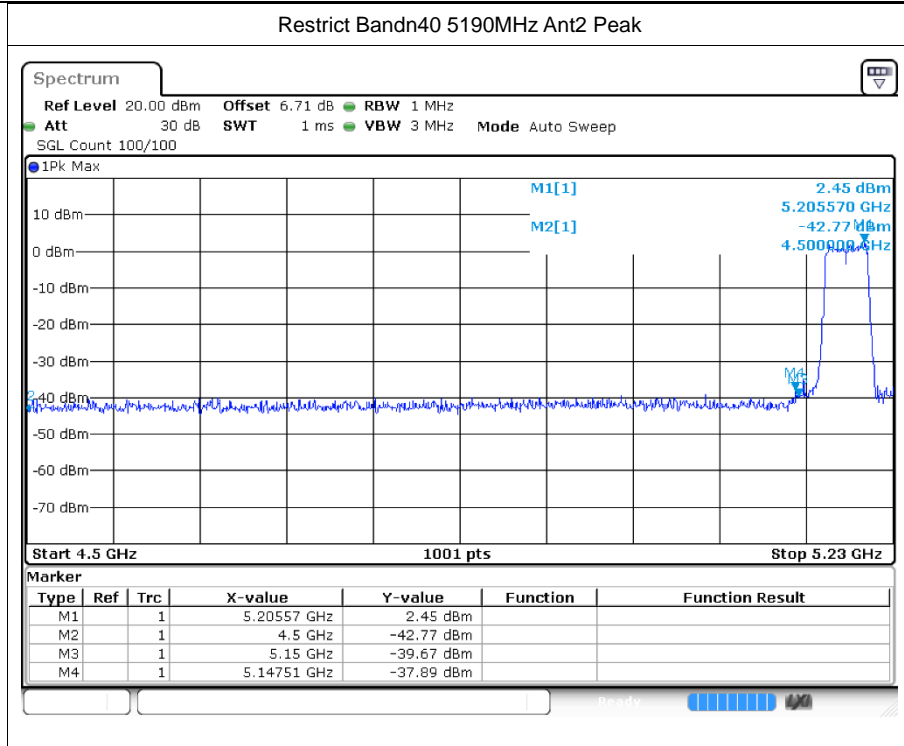
Restrict Band a 5240MHz Ant2 Average

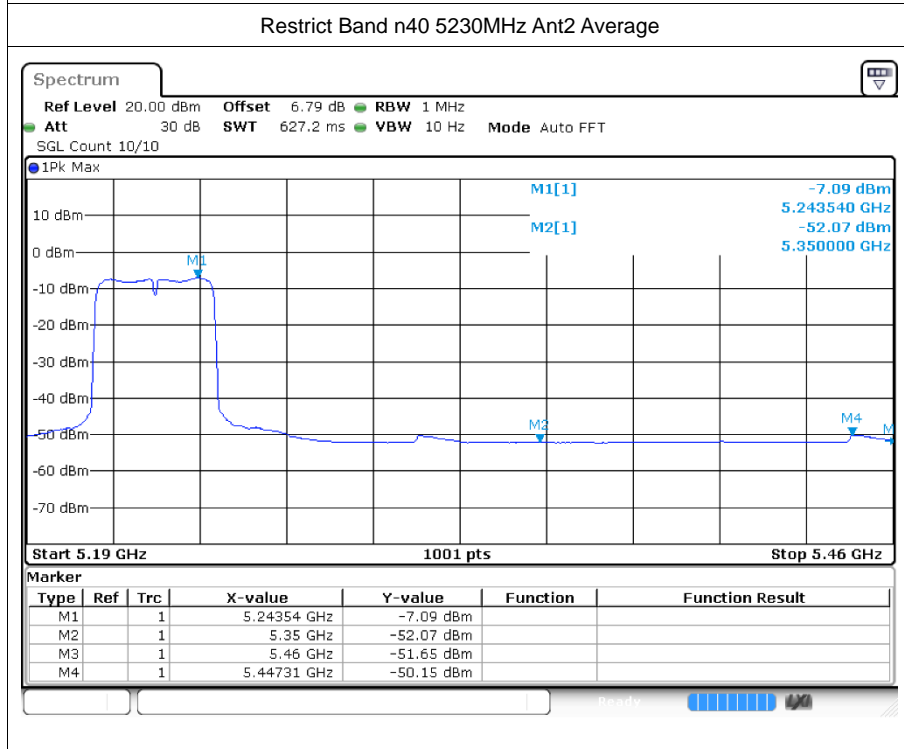
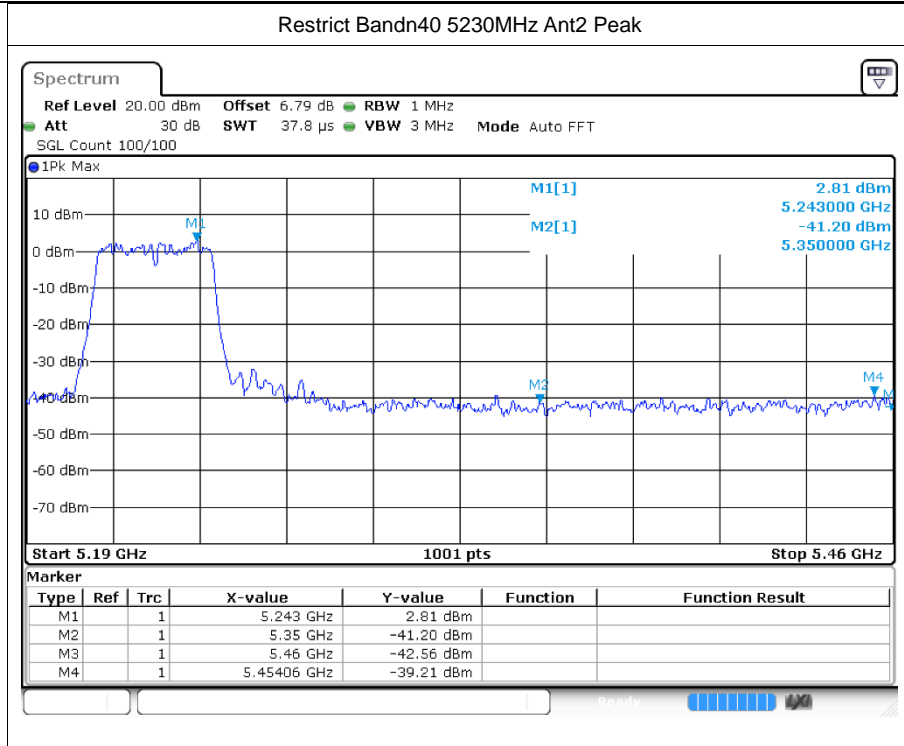


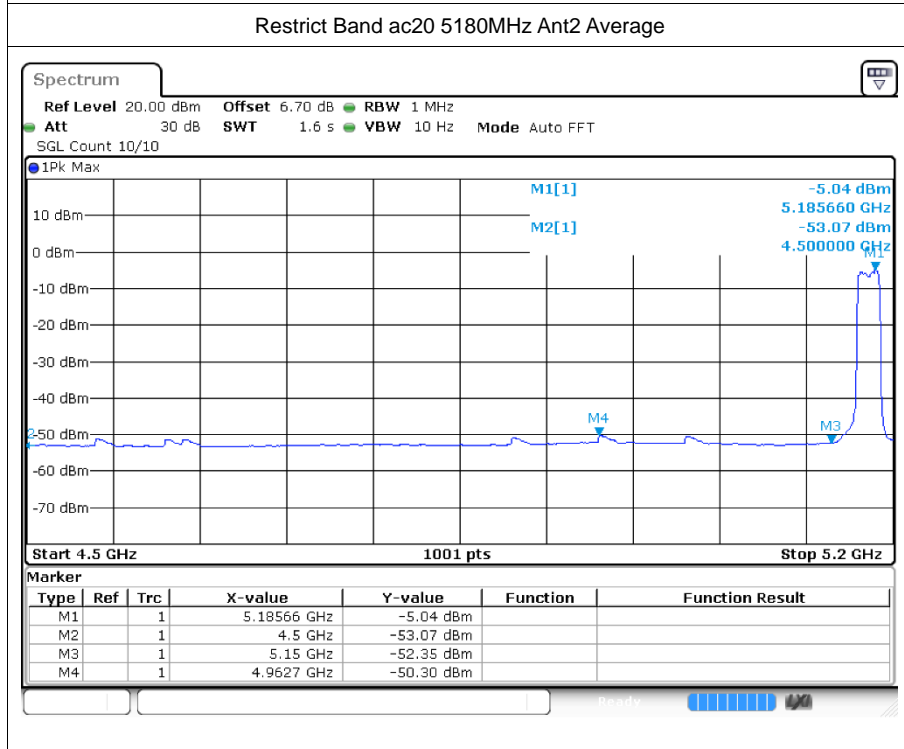
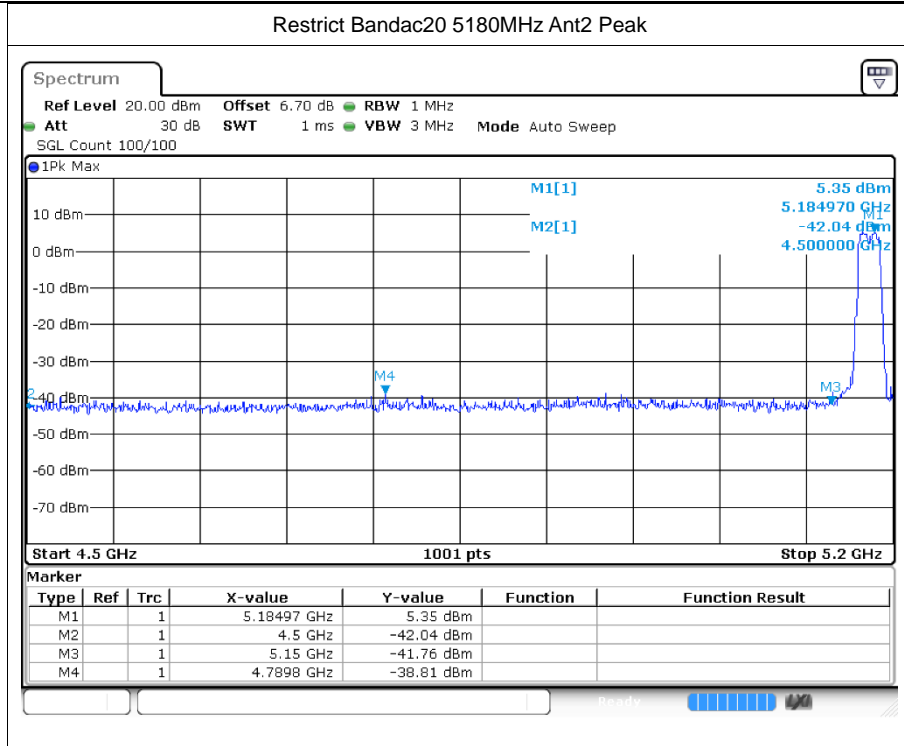


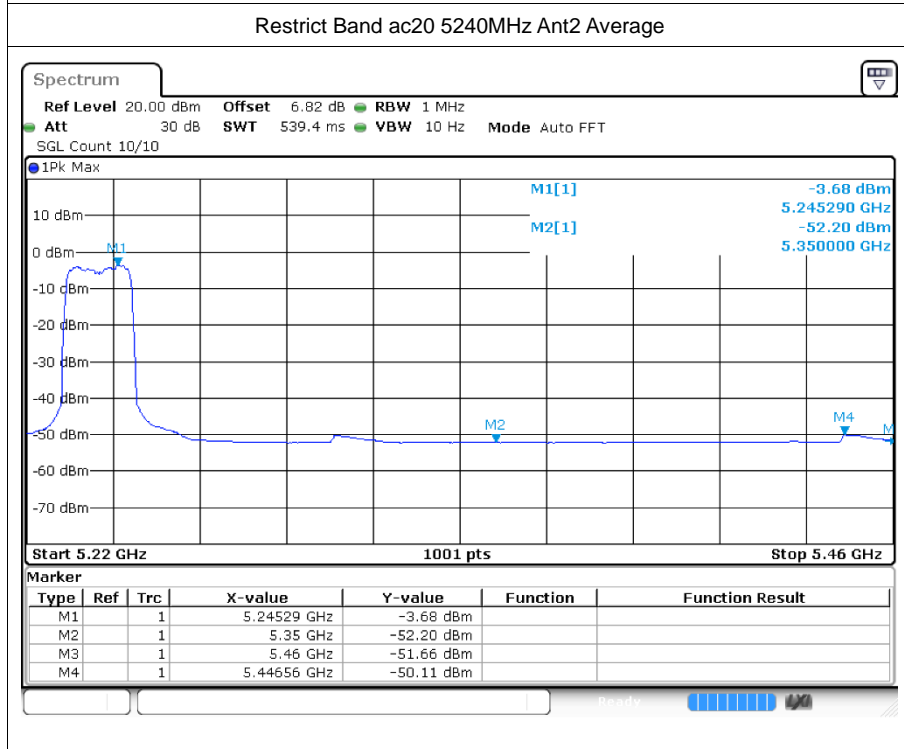
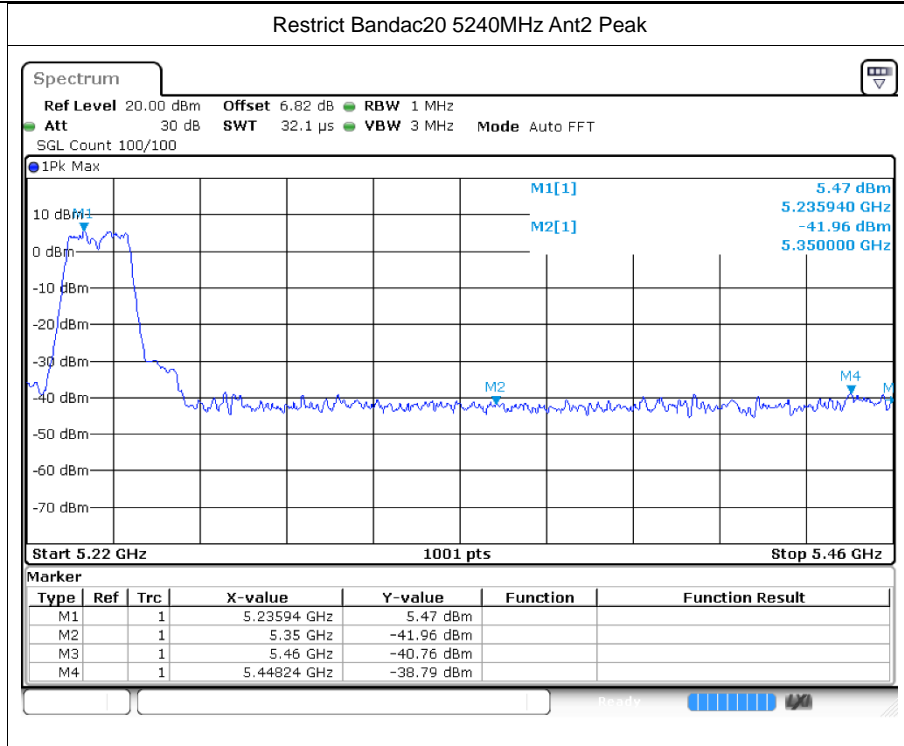






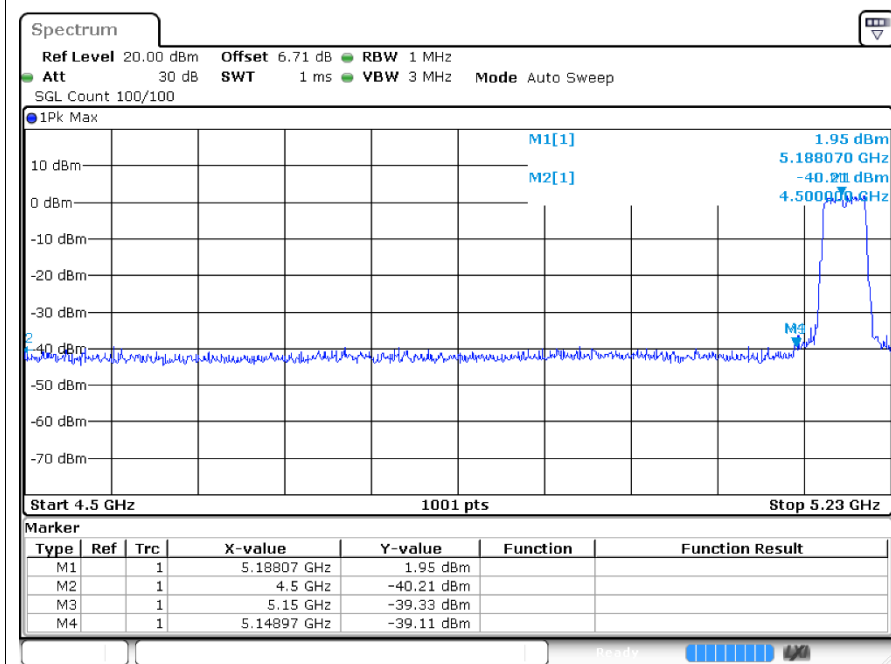




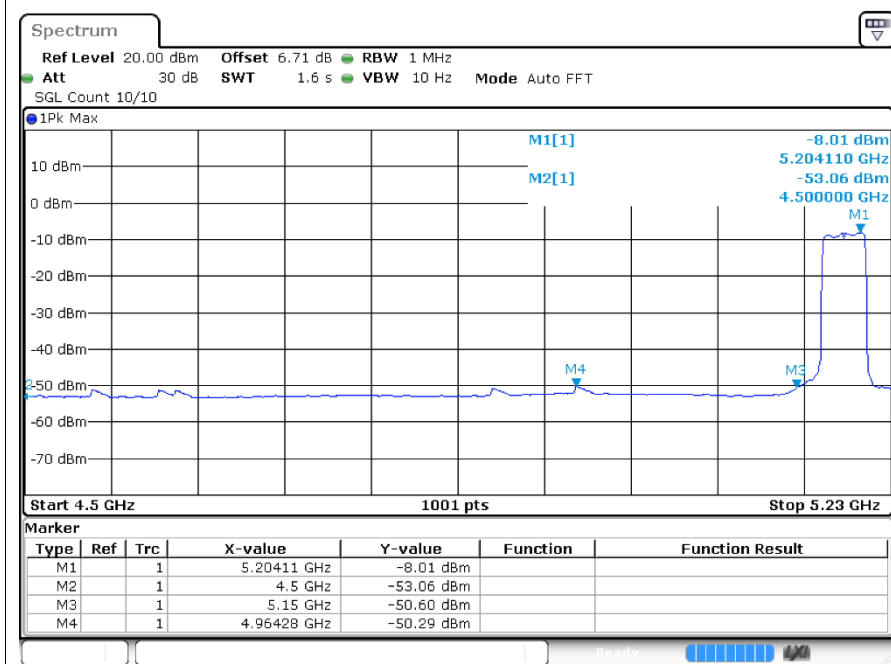




Restrict Band ac40 5190MHz Ant2 Peak

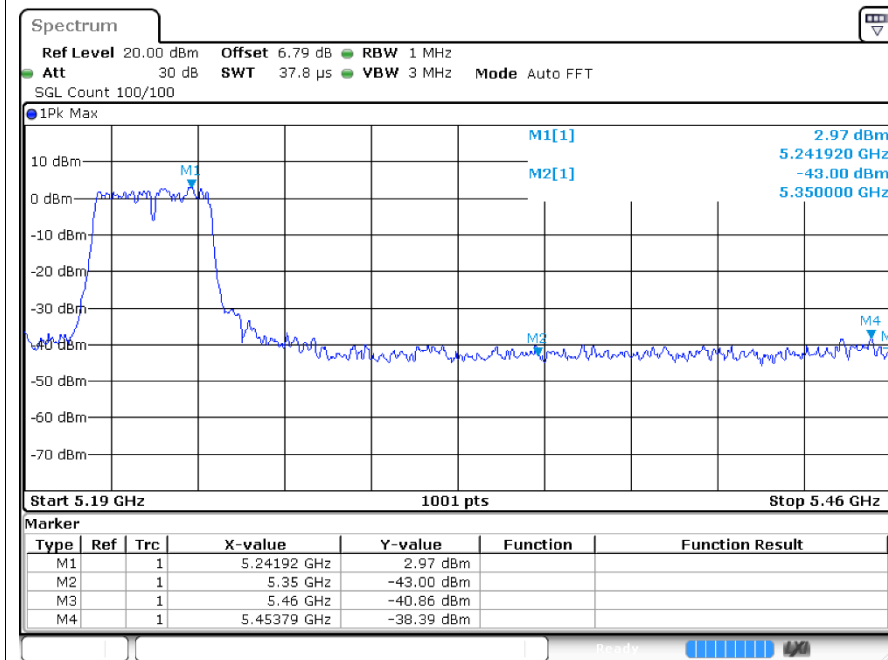


Restrict Band ac40 5190MHz Ant2 Average





Restrict Bandac40 5230MHz Ant2 Peak



Restrict Band ac40 5230MHz Ant2 Average

