



## 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	5179.94	-60000	-11.58	25	Pass
20C 138V	a	5180	Ant1	5179.96	-40000	-7.72	25	Pass
-20C 120V	a	5180	Ant1	5179.94	-60000	-11.58	25	Pass
-10C 120V	a	5180	Ant1	5179.96	-40000	-7.72	25	Pass
0C 120V	a	5180	Ant1	5179.94	-60000	-11.58	25	Pass
10C 120V	a	5180	Ant1	5179.92	-80000	-15.44	25	Pass
30C 120V	a	5180	Ant1	5179.94	-60000	-11.58	25	Pass
40C 120V	a	5180	Ant1	5179.96	-40000	-7.72	25	Pass
50C 120V	a	5180	Ant1	5179.94	-60000	-11.58	25	Pass
20C 102V	a	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 120V	a	5200	Ant1	5199.94	-60000	-11.54	25	Pass
20C 138V	a	5200	Ant1	5199.94	-60000	-11.54	25	Pass
-20C 120V	a	5200	Ant1	5199.96	-40000	-7.69	25	Pass
-10C 120V	a	5200	Ant1	5199.94	-60000	-11.54	25	Pass
0C 120V	a	5200	Ant1	5199.94	-60000	-11.54	25	Pass
10C 120V	a	5200	Ant1	5199.96	-40000	-7.69	25	Pass
30C 120V	a	5200	Ant1	5199.94	-60000	-11.54	25	Pass
40C 120V	a	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 102V	a	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 102V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 120V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 138V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-20C 120V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-10C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
0C 120V	a	5240	Ant1	5239.92	-80000	-15.27	25	Pass
10C 120V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
30C 120V	a	5240	Ant1	5239.94	-60000	-11.45	25	Pass
40C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
50C 120V	a	5240	Ant1	5239.96	-40000	-7.63	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	5179.96	-40000	-7.72	25	Pass
-10C 120V	n20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
0C 120V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass



10C 120V	n20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
30C 120V	n20	5180	Ant1	5180	0	0	25	Pass
40C 120V	n20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
50C 120V	n20	5180	Ant1	5179.98	-20000	-3.86	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	5199.96	-40000	-7.69	25	Pass
30C 120V	n20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
40C 120V	n20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
50C 120V	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 102V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 138V	n20	5240	Ant1	5239.92	-80000	-15.27	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	5239.94	-60000	-11.45	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	5239.94	-60000	-11.45	25	Pass
20C 102V	n40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
20C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 138V	n40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
-20C 120V	n40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
-10C 120V	n40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
0C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
10C 120V	n40	5190	Ant1	5189.92	-80000	-15.41	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	5189.92	-80000	-15.41	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	5229.92	-80000	-15.3	25	Pass
-20C 120V	n40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
-10C 120V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
0C 120V	n40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
10C 120V	n40	5230	Ant1	5230	0	0	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	5179.96	-40000	-7.72	25	Pass
20C 120V	ac20	5180	Ant1	5179.92	-80000	-15.44	25	Pass
20C 138V	ac20	5180	Ant1	5179.98	-20000	-3.86	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	5179.94	-60000	-11.58	25	Pass
10C 120V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
30C 120V	ac20	5180	Ant1	5180	0	0	25	Pass
40C 120V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
50C 120V	ac20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 102V	ac20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
20C 120V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 138V	ac20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
-20C 120V	ac20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
-10C 120V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
0C 120V	ac20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
10C 120V	ac20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
30C 120V	ac20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
40C 120V	ac20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
50C 120V	ac20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
20C 102V	ac20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
20C 120V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 138V	ac20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
-20C 120V	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-10C 120V	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
0C 120V	ac20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
10C 120V	ac20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
30C 120V	ac20	5240	Ant1	5239.92	-80000	-15.27	25	Pass
40C 120V	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
50C 120V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 102V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 120V	ac40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
20C 138V	ac40	5190	Ant1	5190	0	0	25	Pass
-20C 120V	ac40	5190	Ant1	5189.96	-40000	-7.71	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	5189.92	-80000	-15.41	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	5189.92	-80000	-15.41	25	Pass
20C 102V	ac40	5230	Ant1	5229.96	-40000	-7.65	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	5229.92	-80000	-15.3	25	Pass
-10C 120V	ac40	5230	Ant1	5230	0	0	25	Pass
0C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	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	5229.92	-80000	-15.3	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	5209.92	-80000	-15.36	25	Pass
20C 138V	ac80	5210	Ant1	5209.76	-240000	-46.07	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	ax20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 120V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 138V	ax20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
-20C 120V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
-10C 120V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
0C 120V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
10C 120V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
30C 120V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
40C 120V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
50C 120V	ax20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
20C 102V	ax20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
20C 120V	ax20	5200	Ant1	5199.96	-40000	-7.69	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	5199.96	-40000	-7.69	25	Pass
0C 120V	ax20	5200	Ant1	5200.04	40000	7.69	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	5199.96	-40000	-7.69	25	Pass
50C 120V	ax20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 102V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 120V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 138V	ax20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
-20C 120V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-10C 120V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass





0C 120V	ax20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
10C 120V	ax20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
30C 120V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
40C 120V	ax20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
50C 120V	ax20	5240	Ant1	5239.94	-60000	-11.45	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	5189.92	-80000	-15.41	25	Pass
-20C 120V	ax40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
-10C 120V	ax40	5190	Ant1	5189.96	-40000	-7.71	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	5189.92	-80000	-15.41	25	Pass
40C 120V	ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
50C 120V	ax40	5190	Ant1	5189.92	-80000	-15.41	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	5229.96	-40000	-7.65	25	Pass
0C 120V	ax40	5230	Ant1	5230	0	0	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	5210.08	80000	15.36	25	Pass
20C 120V	ax80	5210	Ant1	5210	0	0	25	Pass
20C 138V	ax80	5210	Ant1	5210	0	0	25	Pass
-20C 120V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
-10C 120V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
0C 120V	ax80	5210	Ant1	5210	0	0	25	Pass
10C 120V	ax80	5210	Ant1	5210	0	0	25	Pass
30C 120V	ax80	5210	Ant1	5210.08	80000	15.36	25	Pass
40C 120V	ax80	5210	Ant1	5210	0	0	25	Pass
50C 120V	ax80	5210	Ant1	5210	0	0	25	Pass
20C 102V	a	5180	Ant2	5179.98	-20000	-3.86	25	Pass
20C 120V	a	5180	Ant2	5180.02	20000	3.86	25	Pass
20C 138V	a	5180	Ant2	5179.92	-80000	-15.44	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	5179.96	-40000	-7.72	25	Pass
30C 120V	a	5180	Ant2	5179.98	-20000	-3.86	25	Pass



40C 120V	a	5180	Ant2	5179.94	-60000	-11.58	25	Pass
50C 120V	a	5180	Ant2	5179.94	-60000	-11.58	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	5199.92	-80000	-15.38	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	5199.96	-40000	-7.69	25	Pass
10C 120V	a	5200	Ant2	5199.94	-60000	-11.54	25	Pass
30C 120V	a	5200	Ant2	5199.94	-60000	-11.54	25	Pass
40C 120V	a	5200	Ant2	5199.96	-40000	-7.69	25	Pass
20C 102V	a	5200	Ant2	5199.98	-20000	-3.85	25	Pass
20C 102V	a	5240	Ant2	5239.96	-40000	-7.63	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	5239.94	-60000	-11.45	25	Pass
-10C 120V	a	5240	Ant2	5239.96	-40000	-7.63	25	Pass
0C 120V	a	5240	Ant2	5239.98	-20000	-3.82	25	Pass
10C 120V	a	5240	Ant2	5239.94	-60000	-11.45	25	Pass
30C 120V	a	5240	Ant2	5239.96	-40000	-7.63	25	Pass
40C 120V	a	5240	Ant2	5239.94	-60000	-11.45	25	Pass
50C 120V	a	5240	Ant2	5239.96	-40000	-7.63	25	Pass
20C 102V	n20	5180	Ant2	5179.92	-80000	-15.44	25	Pass
20C 120V	n20	5180	Ant2	5179.94	-60000	-11.58	25	Pass
20C 138V	n20	5180	Ant2	5179.96	-40000	-7.72	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	5179.96	-40000	-7.72	25	Pass
10C 120V	n20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
30C 120V	n20	5180	Ant2	5179.94	-60000	-11.58	25	Pass
40C 120V	n20	5180	Ant2	5179.94	-60000	-11.58	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	5199.94	-60000	-11.54	25	Pass
20C 138V	n20	5200	Ant2	5199.94	-60000	-11.54	25	Pass
-20C 120V	n20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
-10C 120V	n20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
0C 120V	n20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
10C 120V	n20	5200	Ant2	5199.94	-60000	-11.54	25	Pass
30C 120V	n20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
40C 120V	n20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
50C 120V	n20	5200	Ant2	5199.96	-40000	-7.69	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	5239.98	-20000	-3.82	25	Pass
0C 120V	n20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
10C 120V	n20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
30C 120V	n20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
40C 120V	n20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
50C 120V	n20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
20C 102V	n40	5190	Ant2	5189.92	-80000	-15.41	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	5189.96	-40000	-7.71	25	Pass
0C 120V	n40	5190	Ant2	5189.92	-80000	-15.41	25	Pass
10C 120V	n40	5190	Ant2	5190	0	0	25	Pass
30C 120V	n40	5190	Ant2	5189.92	-80000	-15.41	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	5230	0	0	25	Pass
-20C 120V	n40	5230	Ant2	5229.96	-40000	-7.65	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	5230	0	0	25	Pass
50C 120V	n40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
20C 102V	ac20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
20C 120V	ac20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
20C 138V	ac20	5180	Ant2	5179.92	-80000	-15.44	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	5179.94	-60000	-11.58	25	Pass
30C 120V	ac20	5180	Ant2	5179.92	-80000	-15.44	25	Pass
40C 120V	ac20	5180	Ant2	5179.94	-60000	-11.58	25	Pass
50C 120V	ac20	5180	Ant2	5179.98	-20000	-3.86	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	5199.94	-60000	-11.54	25	Pass
0C 120V	ac20	5200	Ant2	5200.6	600000	115.38	25	Pass
10C 120V	ac20	5200	Ant2	5200.1	100000	19.23	25	Pass
30C 120V	ac20	5200	Ant2	5199.94	-60000	-11.54	25	Pass
40C 120V	ac20	5200	Ant2	5199.92	-80000	-15.38	25	Pass
50C 120V	ac20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
20C 102V	ac20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
20C 120V	ac20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
20C 138V	ac20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
-20C 120V	ac20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
-10C 120V	ac20	5240	Ant2	5240.02	20000	3.82	25	Pass
0C 120V	ac20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
10C 120V	ac20	5240	Ant2	5239.94	-60000	-11.45	25	Pass
30C 120V	ac20	5240	Ant2	5239.92	-80000	-15.27	25	Pass
40C 120V	ac20	5240	Ant2	5239.92	-80000	-15.27	25	Pass
50C 120V	ac20	5240	Ant2	5239.94	-60000	-11.45	25	Pass
20C 102V	ac40	5190	Ant2	5189.92	-80000	-15.41	25	Pass
20C 120V	ac40	5190	Ant2	5189.92	-80000	-15.41	25	Pass
20C 138V	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
-20C 120V	ac40	5190	Ant2	5189.92	-80000	-15.41	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	5189.92	-80000	-15.41	25	Pass
40C 120V	ac40	5190	Ant2	5189.92	-80000	-15.41	25	Pass
50C 120V	ac40	5190	Ant2	5189.92	-80000	-15.41	25	Pass
20C 102V	ac40	5230	Ant2	5229.92	-80000	-15.3	25	Pass
20C 120V	ac40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
20C 138V	ac40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
-20C 120V	ac40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
-10C 120V	ac40	5230	Ant2	5229.96	-40000	-7.65	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	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	0	0	25	Pass
20C 138V	ac80	5210	Ant2	5210	0	0	25	Pass
-20C 120V	ac80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
-10C 120V	ac80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
0C 120V	ac80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
10C 120V	ac80	5210	Ant2	5210.08	80000	15.36	25	Pass



30C 120V	ac80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
40C 120V	ac80	5210	Ant2	5209.92	-80000	-15.36	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	5179.94	-60000	-11.58	25	Pass
-20C 120V	ax20	5180	Ant2	5179.94	-60000	-11.58	25	Pass
-10C 120V	ax20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
0C 120V	ax20	5180	Ant2	5179.92	-80000	-15.44	25	Pass
10C 120V	ax20	5180	Ant2	5179.94	-60000	-11.58	25	Pass
30C 120V	ax20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
40C 120V	ax20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
50C 120V	ax20	5180	Ant2	5179.92	-80000	-15.44	25	Pass
20C 102V	ax20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
20C 120V	ax20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
20C 138V	ax20	5200	Ant2	5200.02	20000	3.85	25	Pass
-20C 120V	ax20	5200	Ant2	5199.92	-80000	-15.38	25	Pass
-10C 120V	ax20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
0C 120V	ax20	5200	Ant2	5199.94	-60000	-11.54	25	Pass
10C 120V	ax20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
30C 120V	ax20	5200	Ant2	5199.92	-80000	-15.38	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	5239.98	-20000	-3.82	25	Pass
20C 138V	ax20	5240	Ant2	5239.94	-60000	-11.45	25	Pass
-20C 120V	ax20	5240	Ant2	5239.96	-40000	-7.63	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	5239.94	-60000	-11.45	25	Pass
30C 120V	ax20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
40C 120V	ax20	5240	Ant2	5239.92	-80000	-15.27	25	Pass
50C 120V	ax20	5240	Ant2	5239.94	-60000	-11.45	25	Pass
20C 102V	ax40	5190	Ant2	5189.92	-80000	-15.41	25	Pass
20C 120V	ax40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
20C 138V	ax40	5190	Ant2	5190	0	0	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	5189.96	-40000	-7.71	25	Pass
30C 120V	ax40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
40C 120V	ax40	5190	Ant2	5189.88	-120000	-23.12	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	5229.92	-80000	-15.3	25	Pass
20C 138V	ax40	5230	Ant2	5229.92	-80000	-15.3	25	Pass
-20C 120V	ax40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
-10C 120V	ax40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
0C 120V	ax40	5230	Ant2	5229.96	-40000	-7.65	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	5229.96	-40000	-7.65	25	Pass
20C 102V	ax80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
20C 120V	ax80	5210	Ant2	5210	0	0	25	Pass
20C 138V	ax80	5210	Ant2	5210	0	0	25	Pass
-20C 120V	ax80	5210	Ant2	5210	0	0	25	Pass
-10C 120V	ax80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
0C 120V	ax80	5210	Ant2	5210.08	80000	15.36	25	Pass
10C 120V	ax80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
30C 120V	ax80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
40C 120V	ax80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
50C 120V	ax80	5210	Ant2	5210.08	80000	15.36	25	Pass



## 7 Conducted RF Spurious Emission

### 7.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
a	5180	Ant1	-36.35	-27	Pass
a	5200	Ant1	-36.44	-27	Pass
a	5240	Ant1	-36.61	-27	Pass
n20	5180	Ant1	-35.55	-27	Pass
n20	5200	Ant1	-36	-27	Pass
n20	5240	Ant1	-35.69	-27	Pass
n40	5190	Ant1	-35.7	-27	Pass
n40	5230	Ant1	-35.82	-27	Pass
ac20	5180	Ant1	-35.19	-27	Pass
ac20	5200	Ant1	-35.68	-27	Pass
ac20	5240	Ant1	-35.78	-27	Pass
ac40	5190	Ant1	-35.69	-27	Pass
ac40	5230	Ant1	-35.67	-27	Pass
ac80	5210	Ant1	-35.76	-27	Pass
ax20	5180	Ant1	-35.51	-27	Pass
ax20	5200	Ant1	-35.11	-27	Pass
ax20	5240	Ant1	-35.86	-27	Pass
ax40	5190	Ant1	-35.58	-27	Pass
ax40	5230	Ant1	-35.53	-27	Pass
ax80	5210	Ant1	-35.6	-27	Pass
a	5180	Ant2	-36.07	-27	Pass
a	5200	Ant2	-36.22	-27	Pass
a	5240	Ant2	-35.95	-27	Pass
n20	5180	Ant2	-35.43	-27	Pass
n20	5200	Ant2	-35.19	-27	Pass
n20	5240	Ant2	-35.76	-27	Pass
n40	5190	Ant2	-36.45	-27	Pass
n40	5230	Ant2	-35.5	-27	Pass
ac20	5180	Ant2	-35.88	-27	Pass
ac20	5200	Ant2	-34.57	-27	Pass
ac20	5240	Ant2	-35.38	-27	Pass
ac40	5190	Ant2	-35.73	-27	Pass
ac40	5230	Ant2	-35.53	-27	Pass
ac80	5210	Ant2	-36.13	-27	Pass
ax20	5180	Ant2	-35.27	-27	Pass
ax20	5200	Ant2	-36.2	-27	Pass
ax20	5240	Ant2	-36.17	-27	Pass

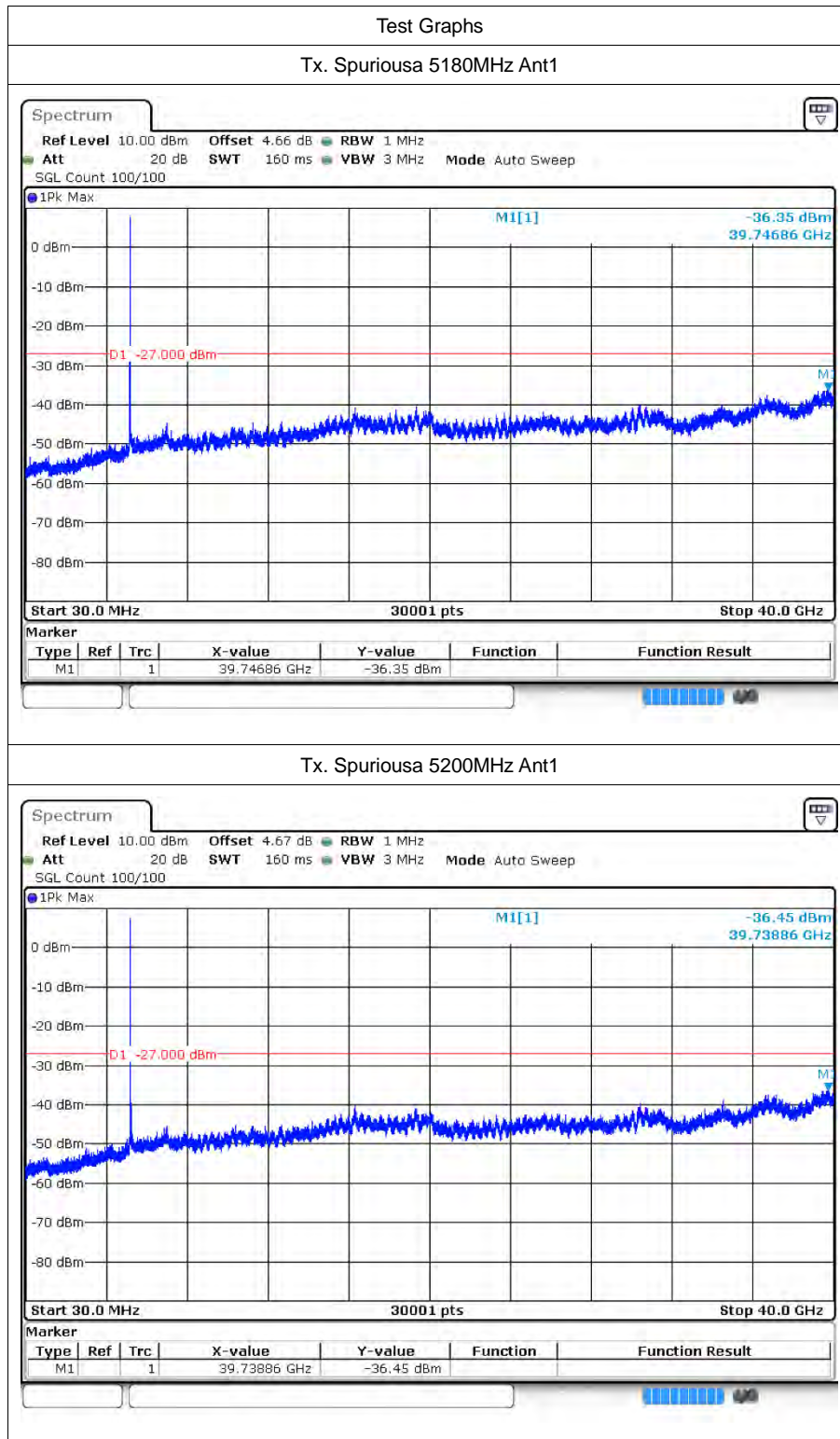


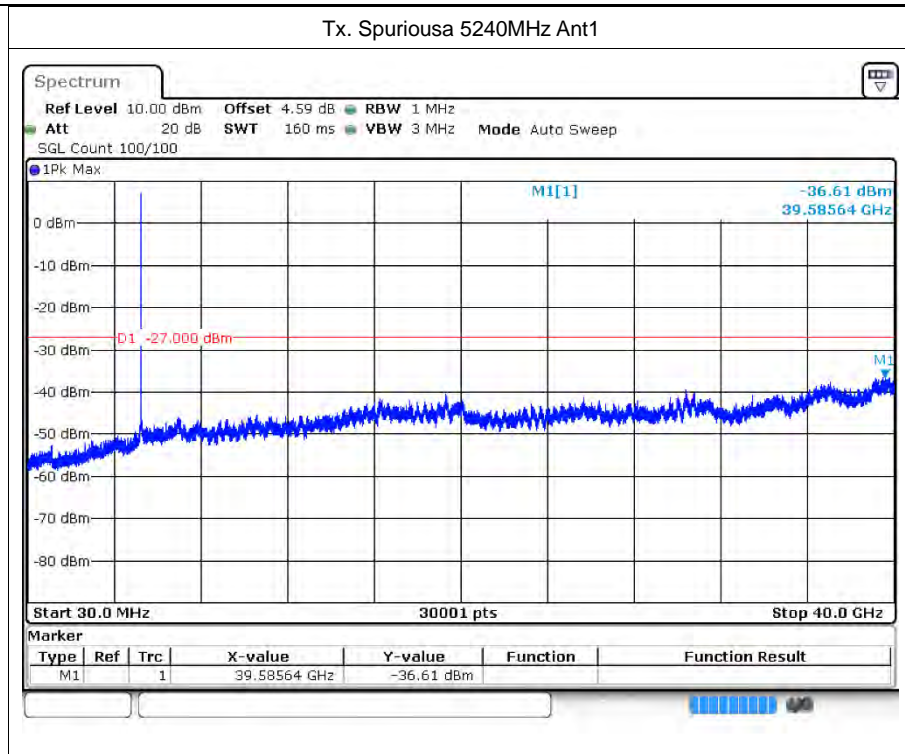
ax40	5190	Ant2	-36.39	-27	Pass
ax40	5230	Ant2	-35.82	-27	Pass
ax80	5210	Ant2	-36.15	-27	Pass

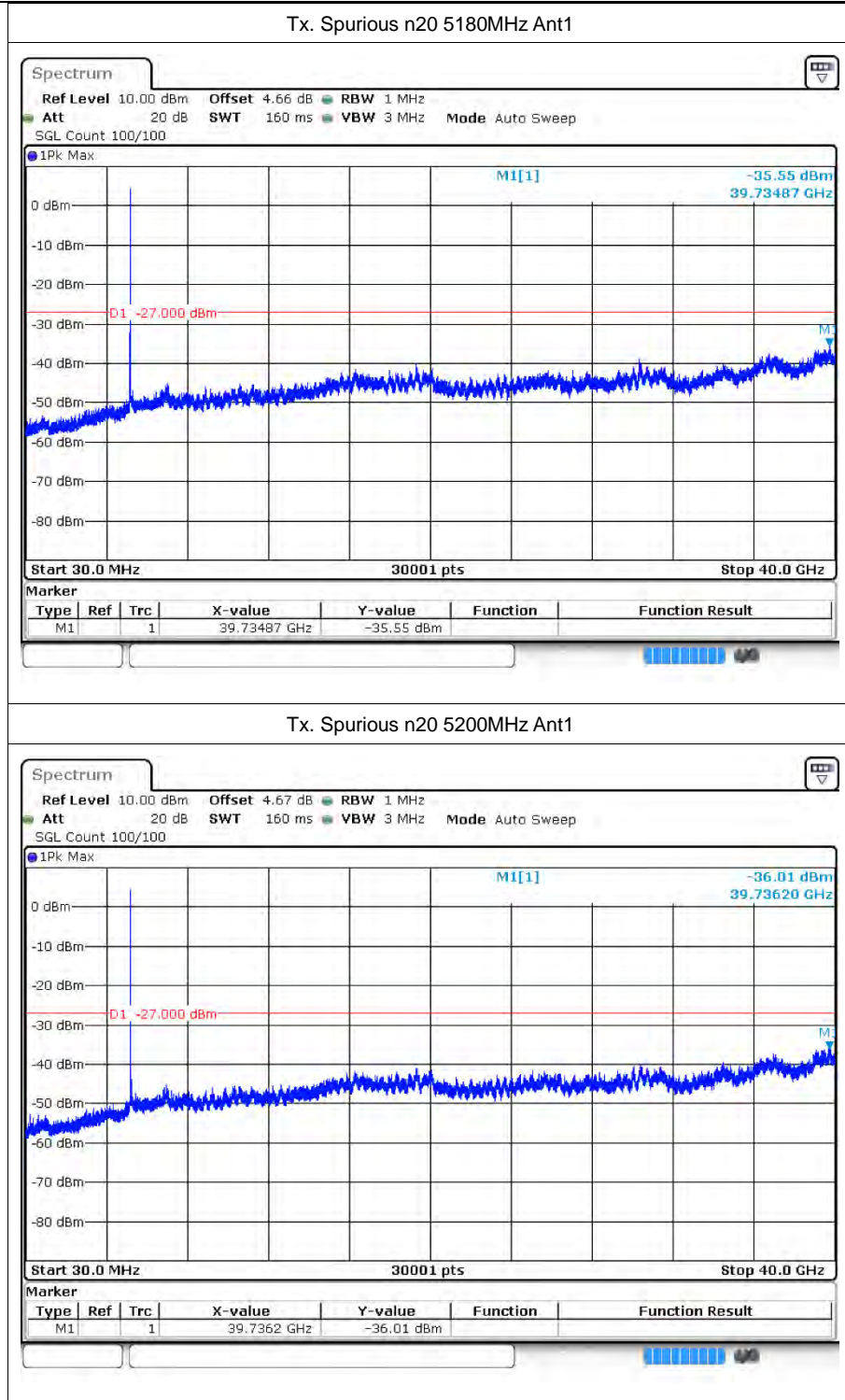


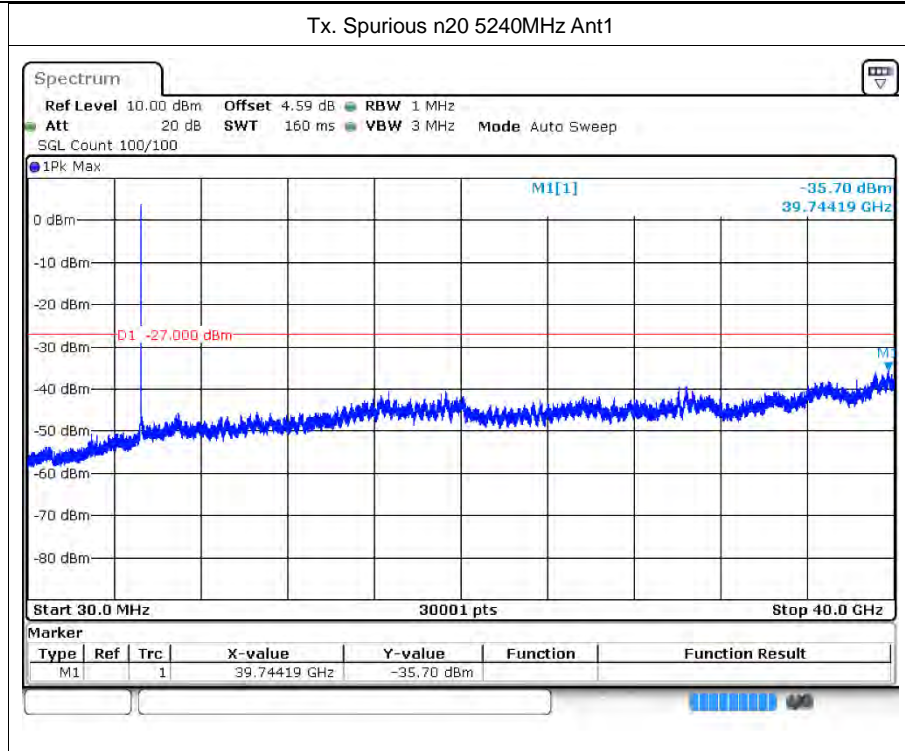


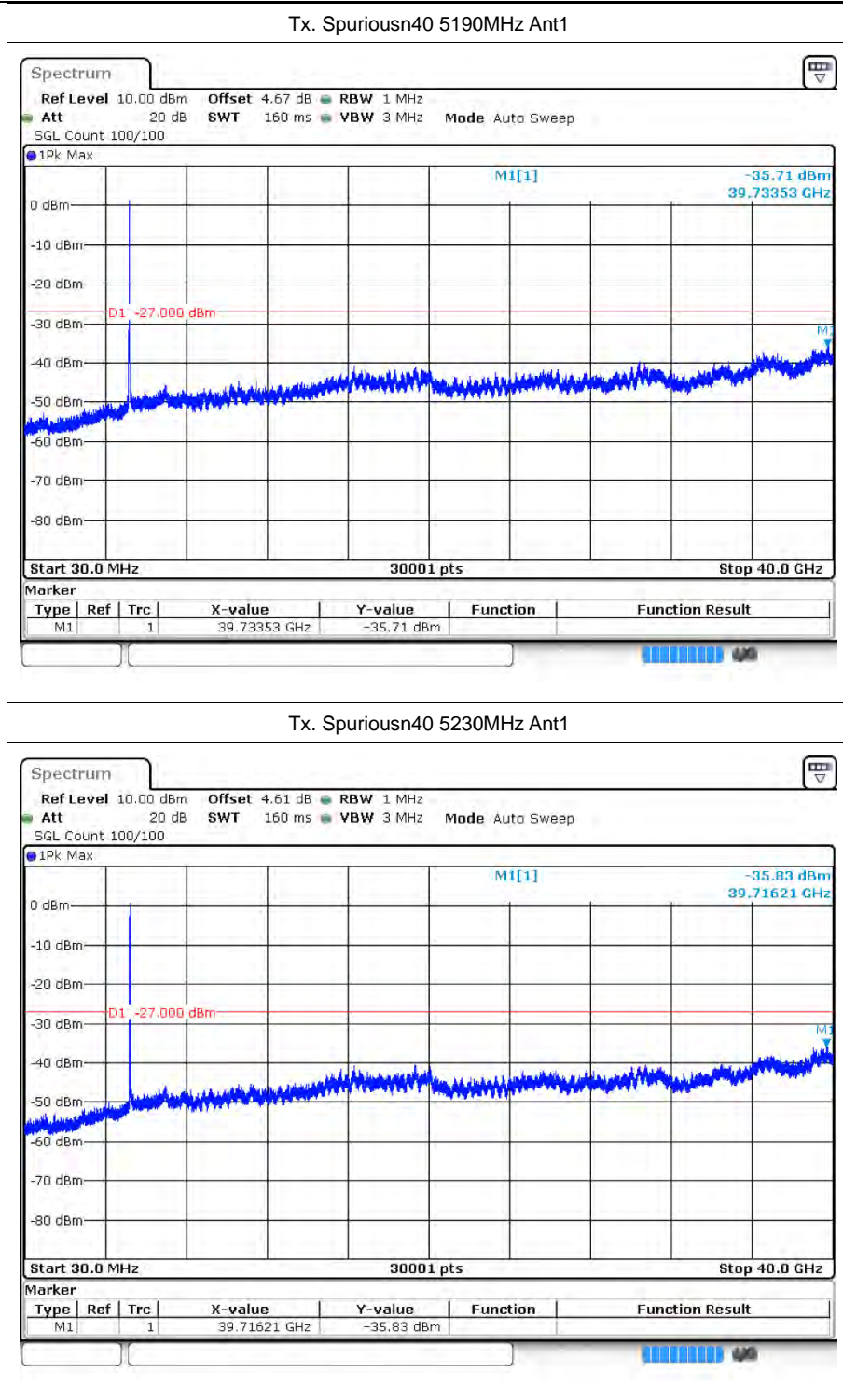
## 7.2 Test Graphs

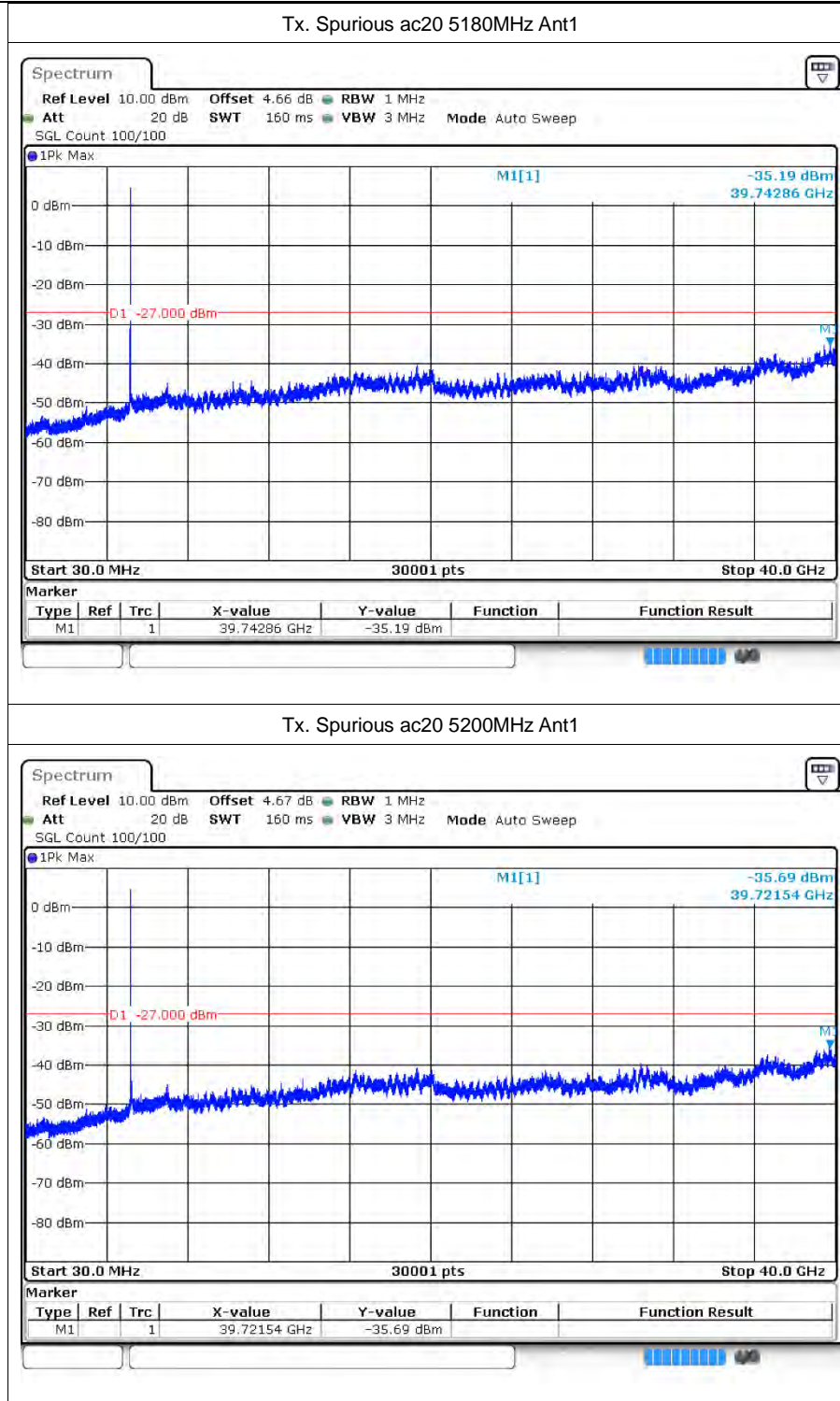


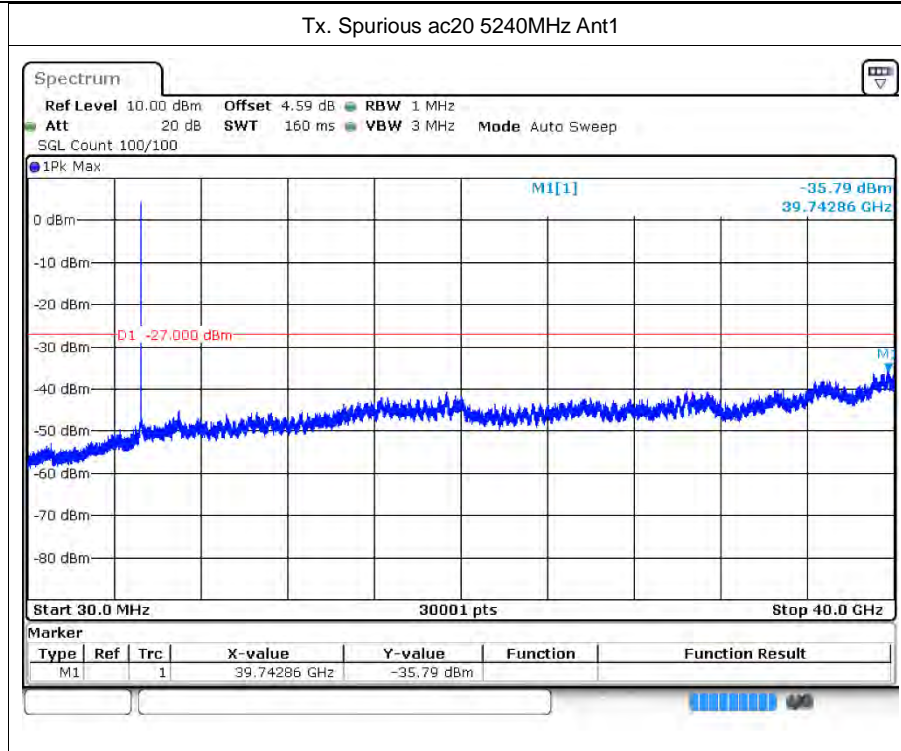


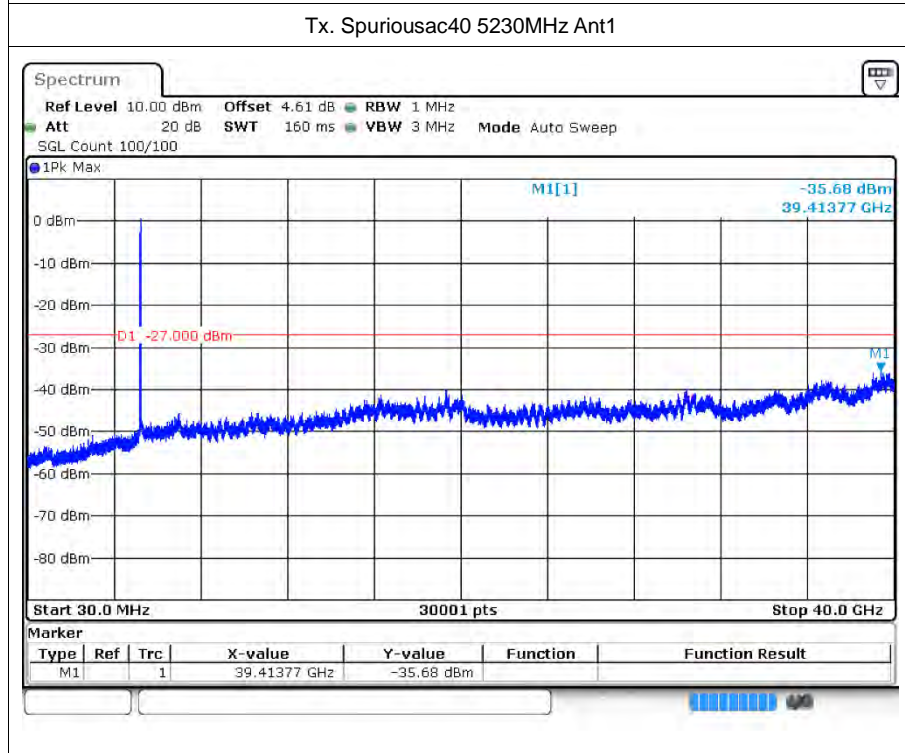
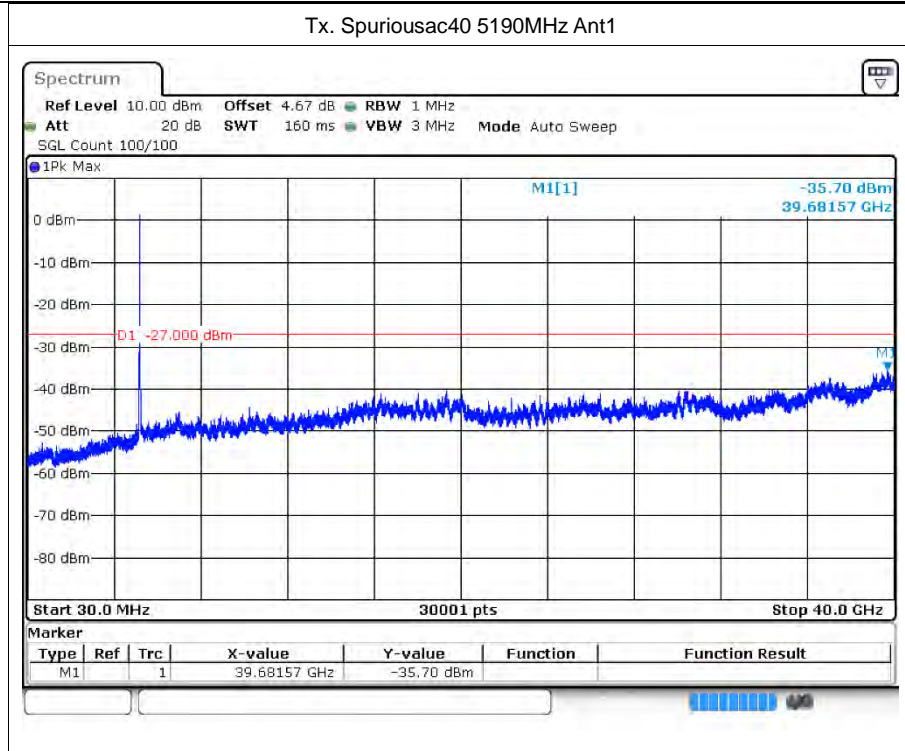




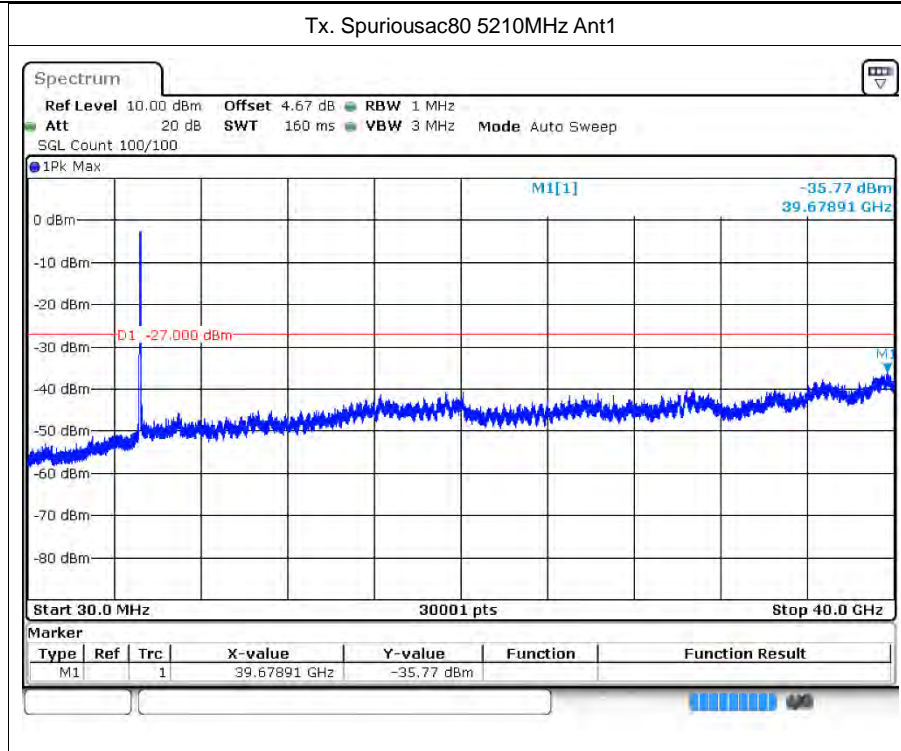


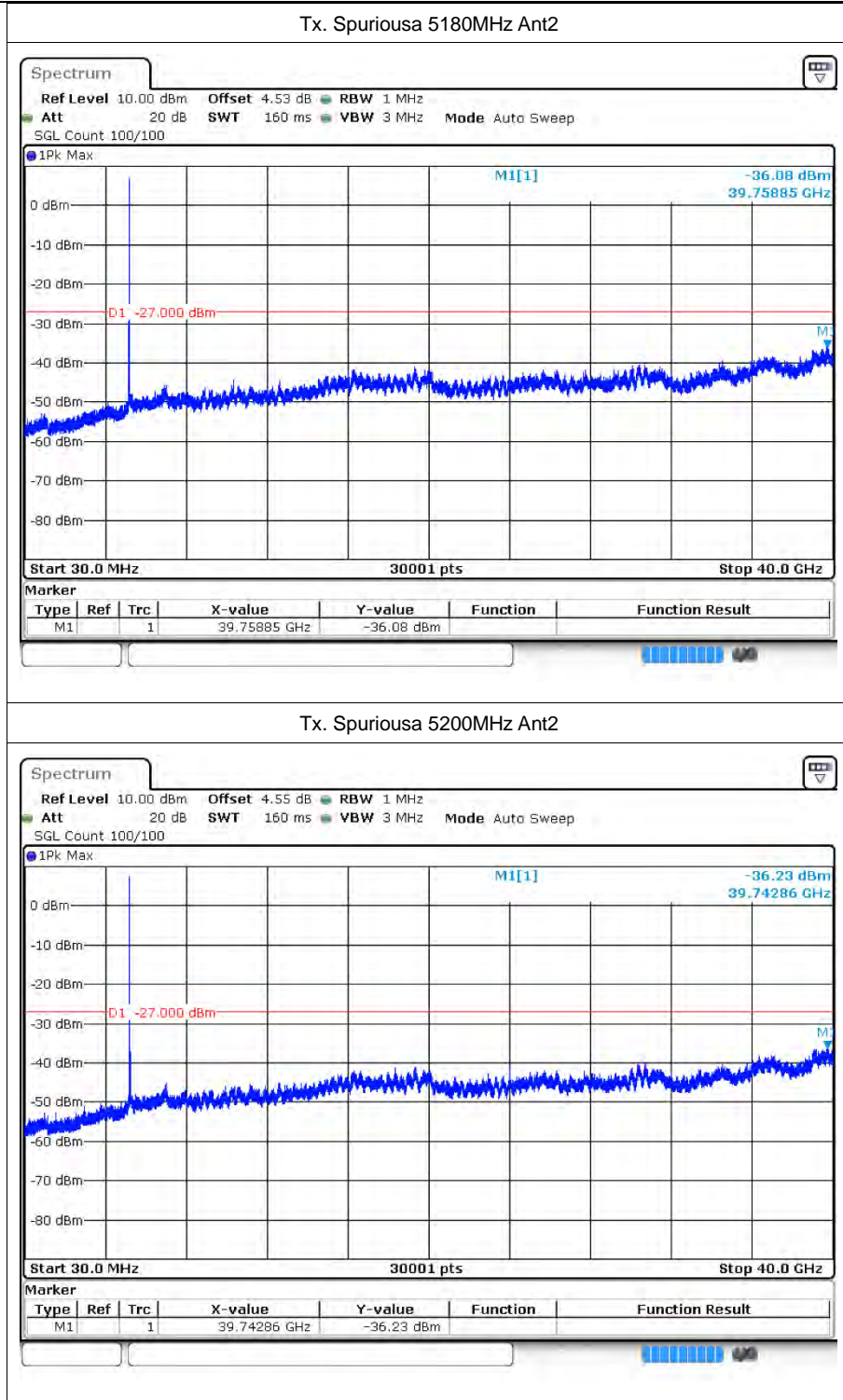






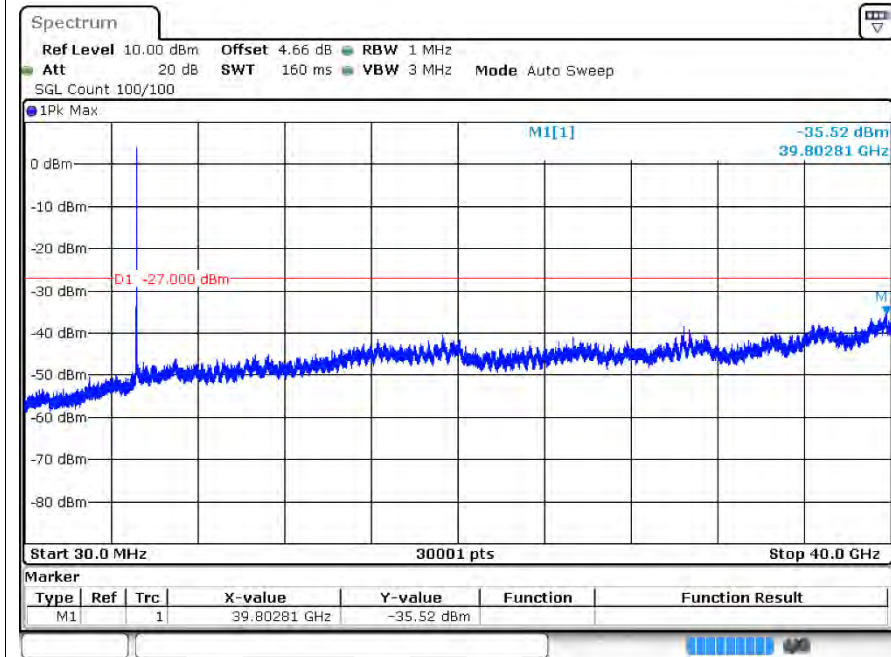




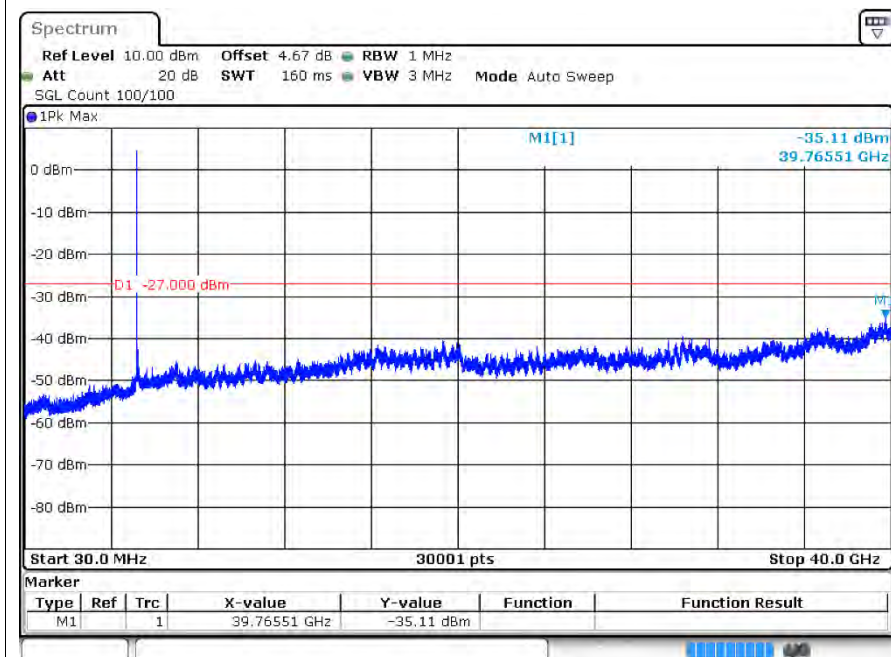


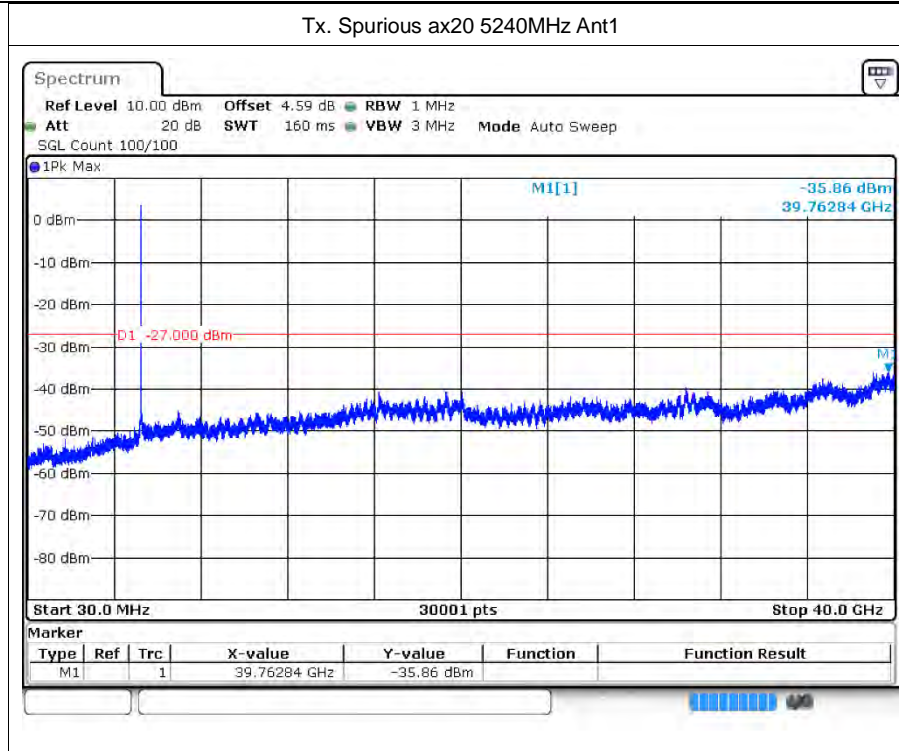


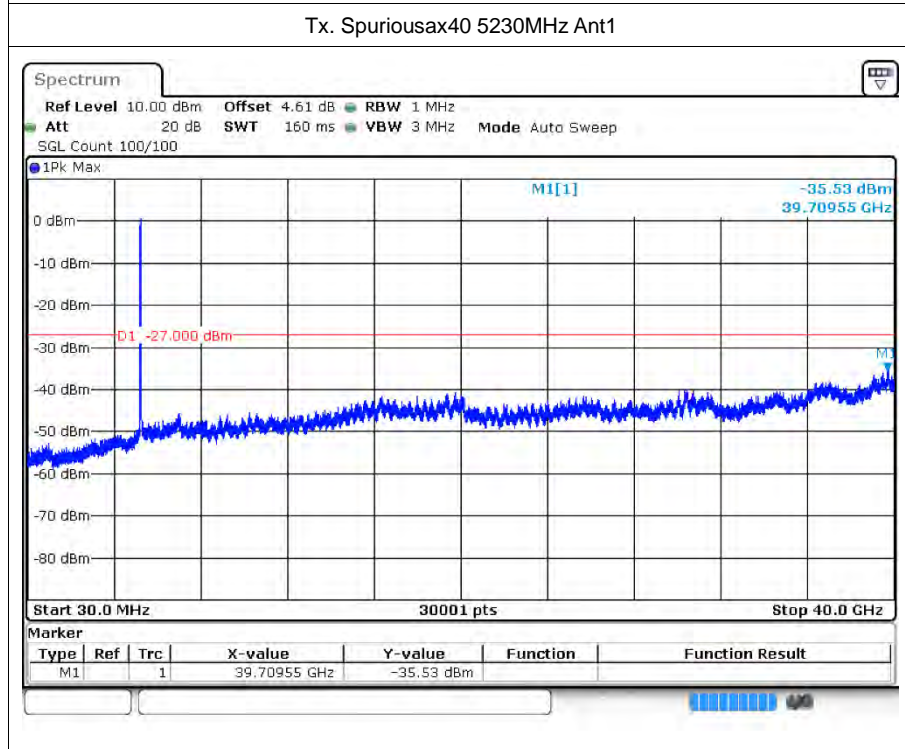
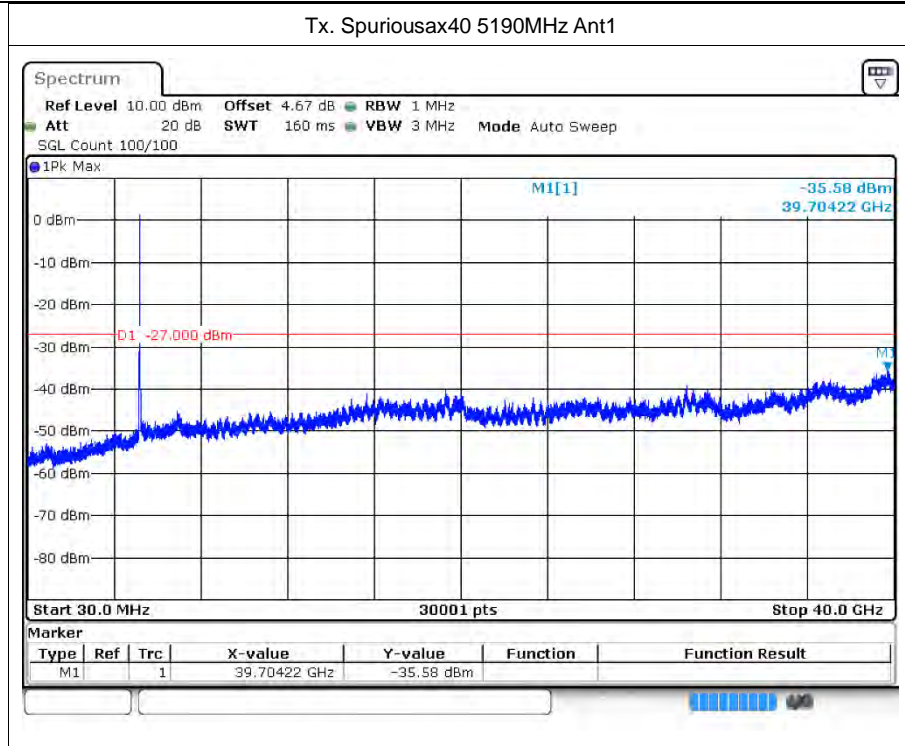
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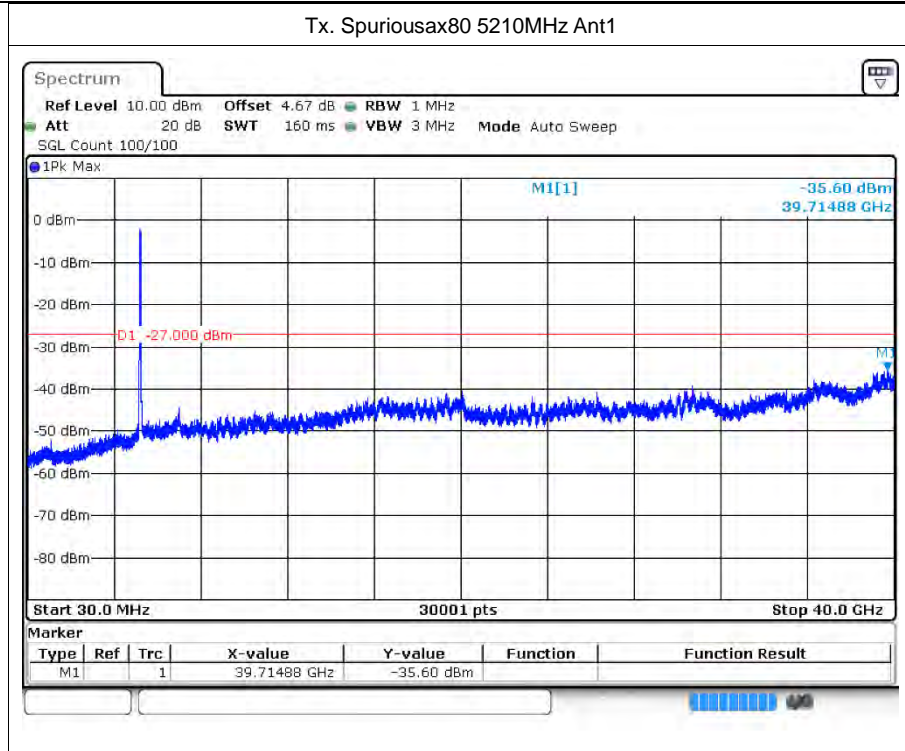


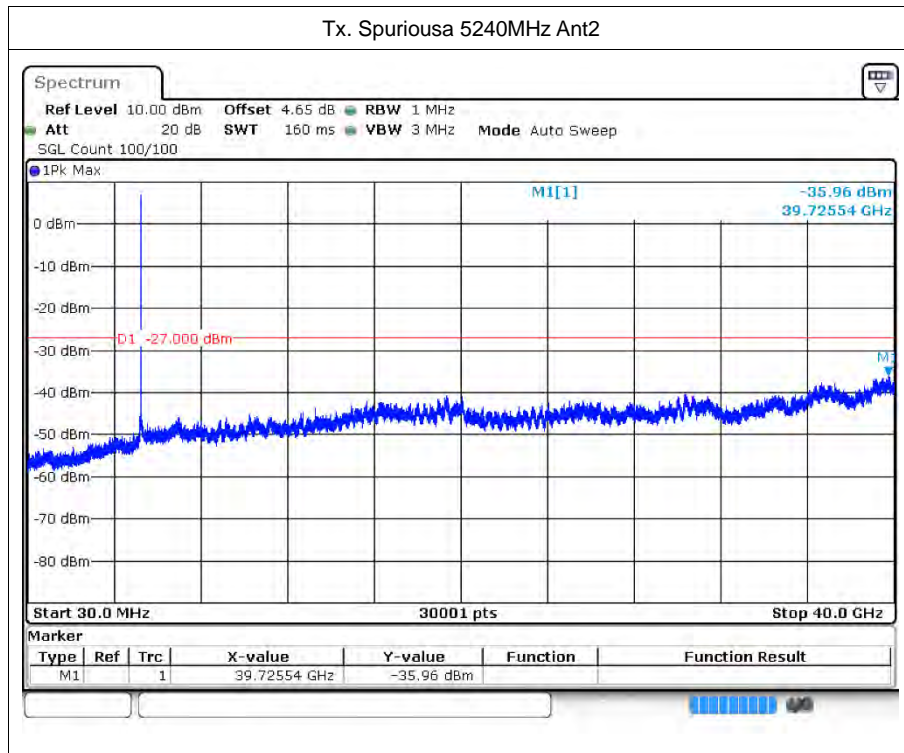
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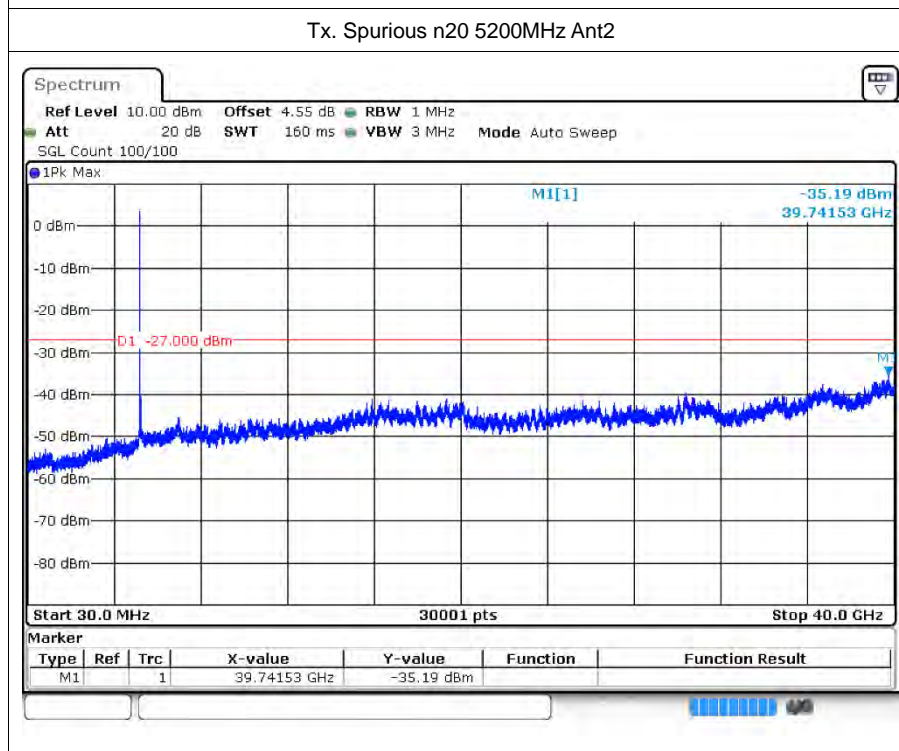
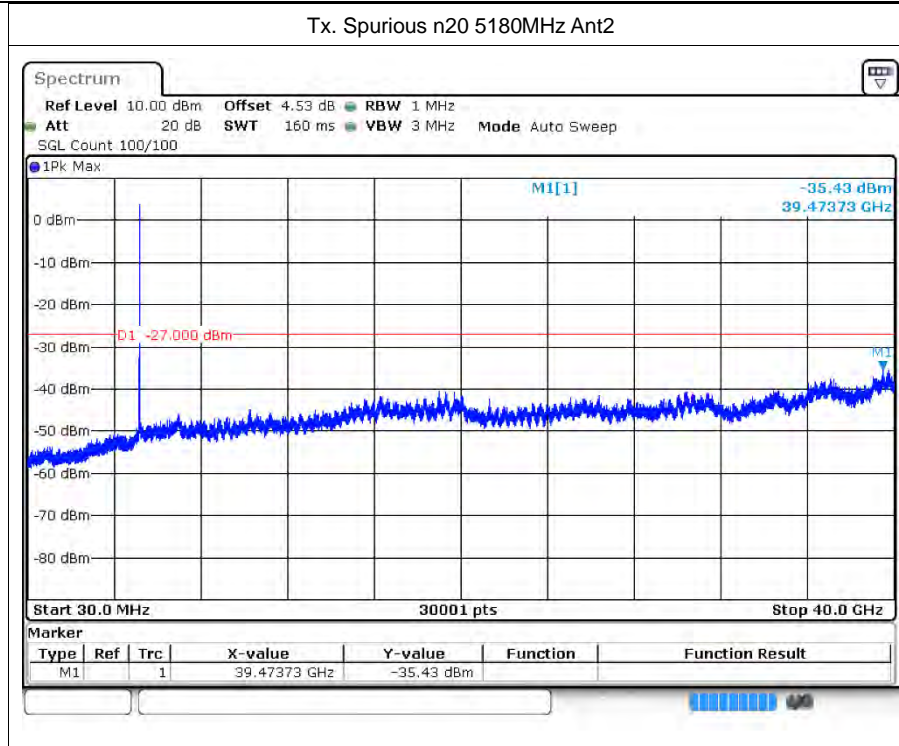




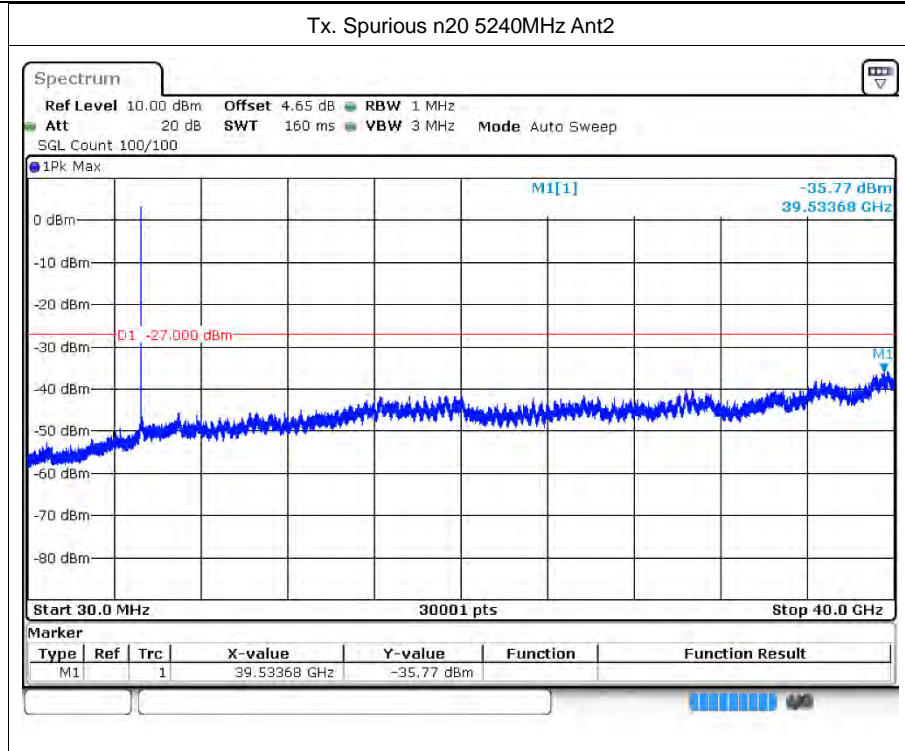


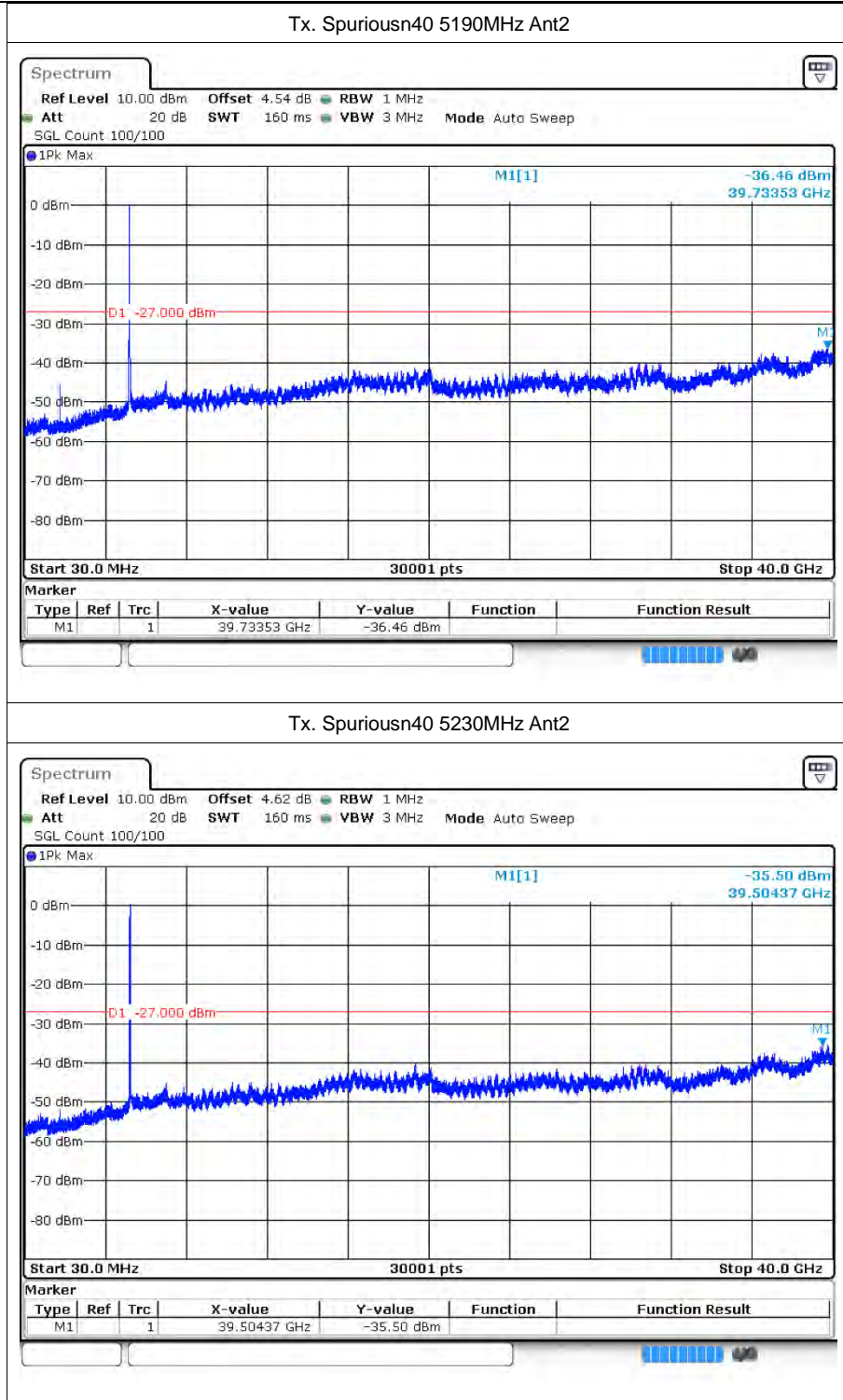






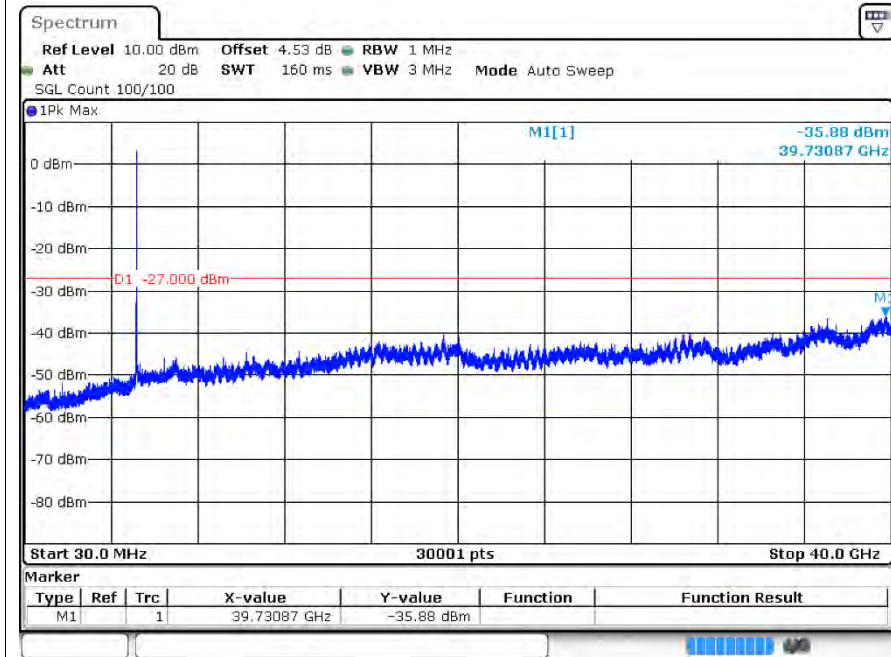




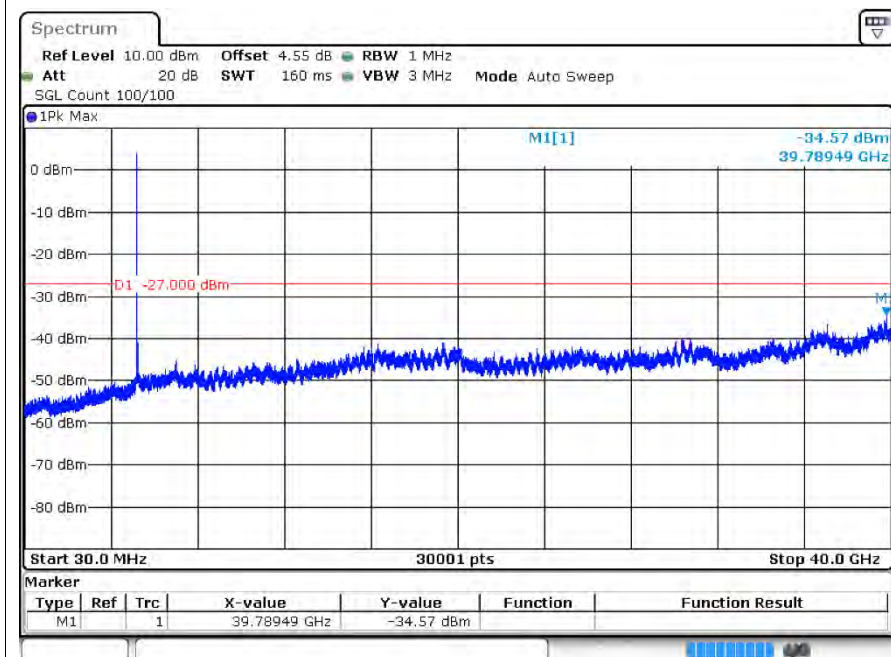


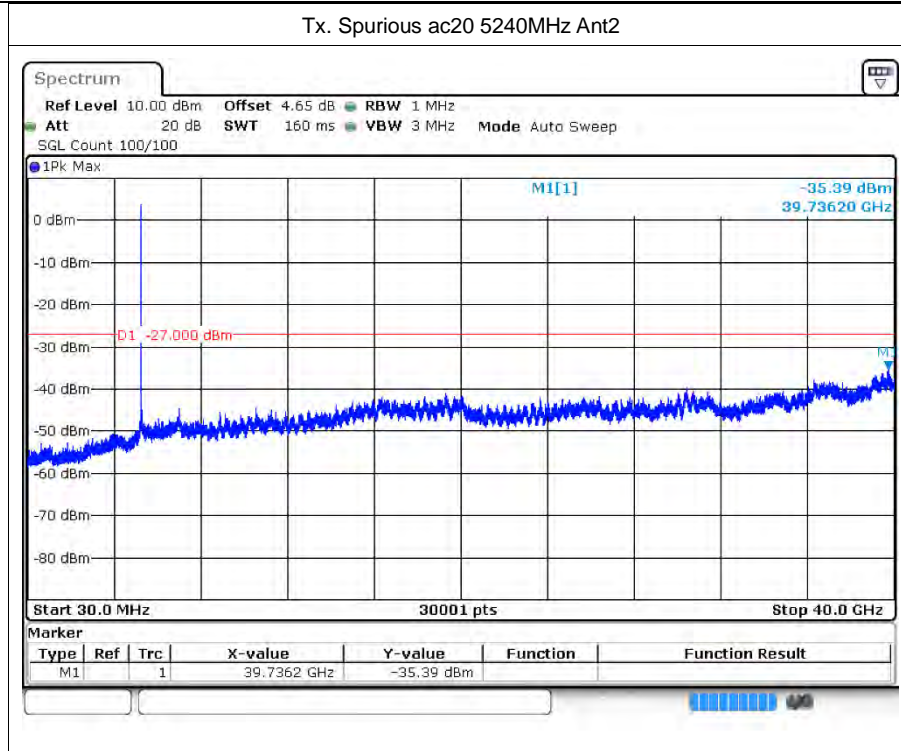


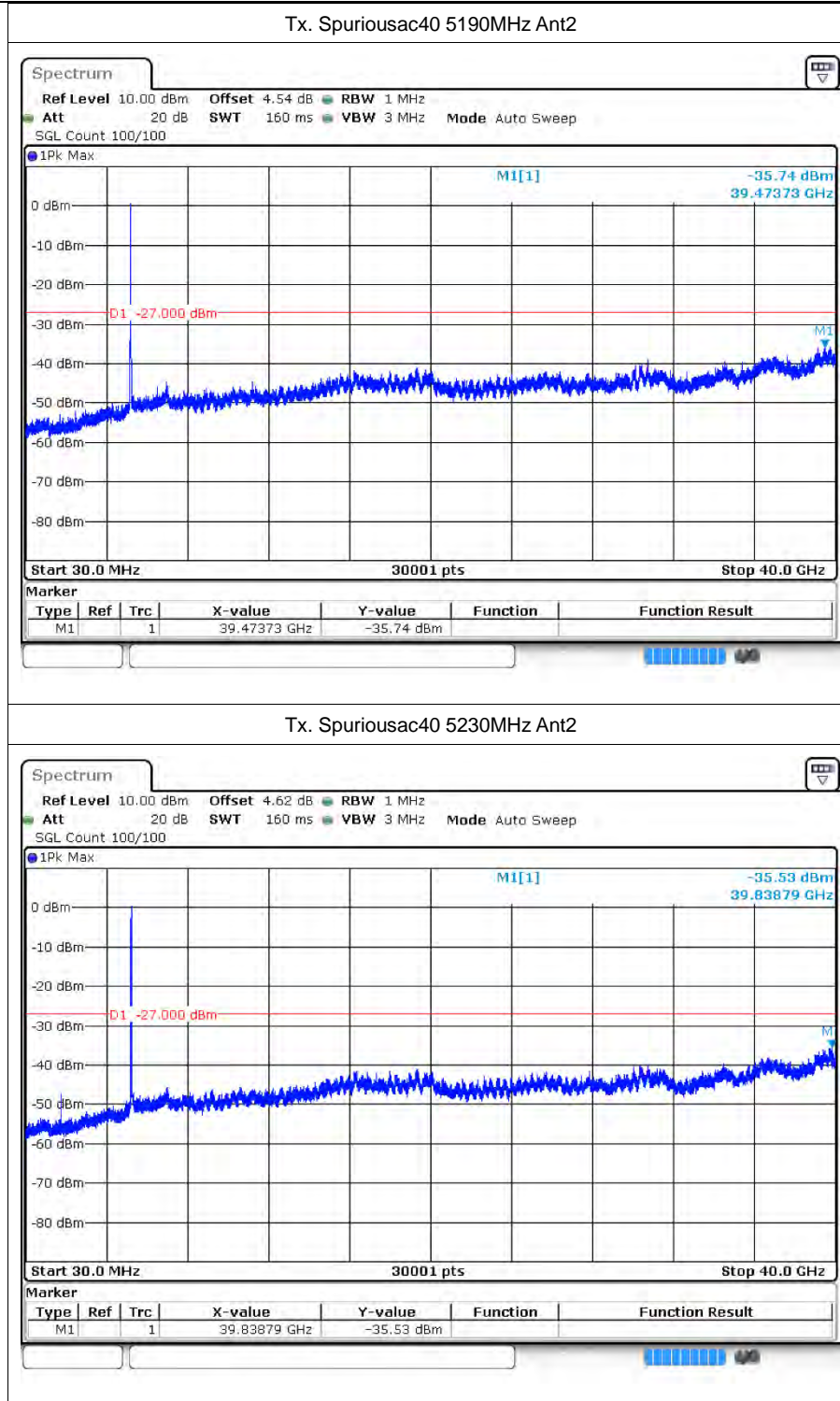
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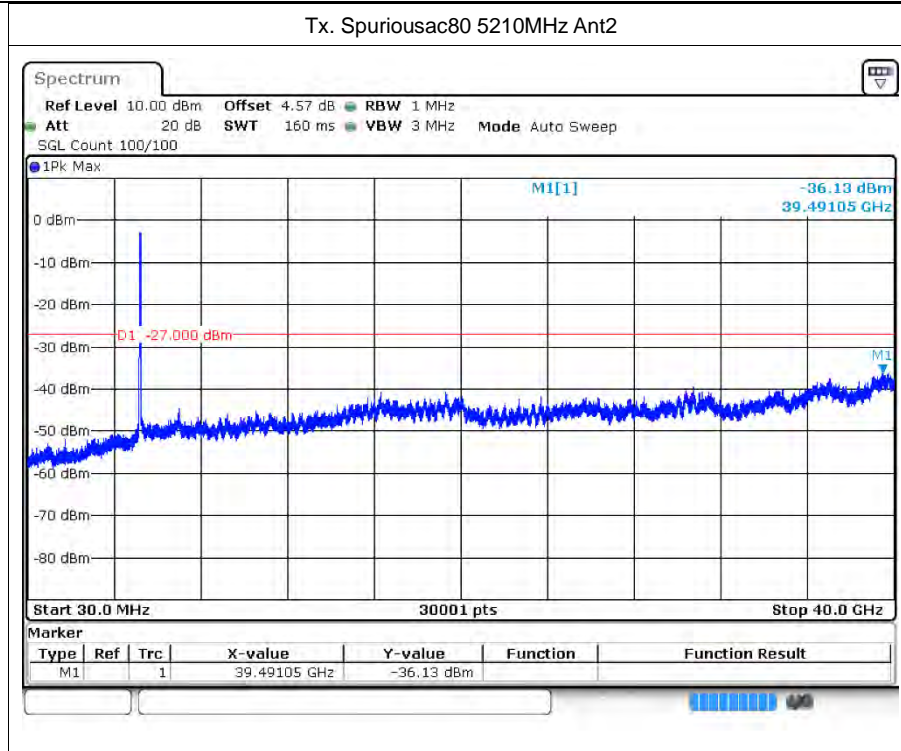


Tx. Spurious ac20 5200MHz Ant2



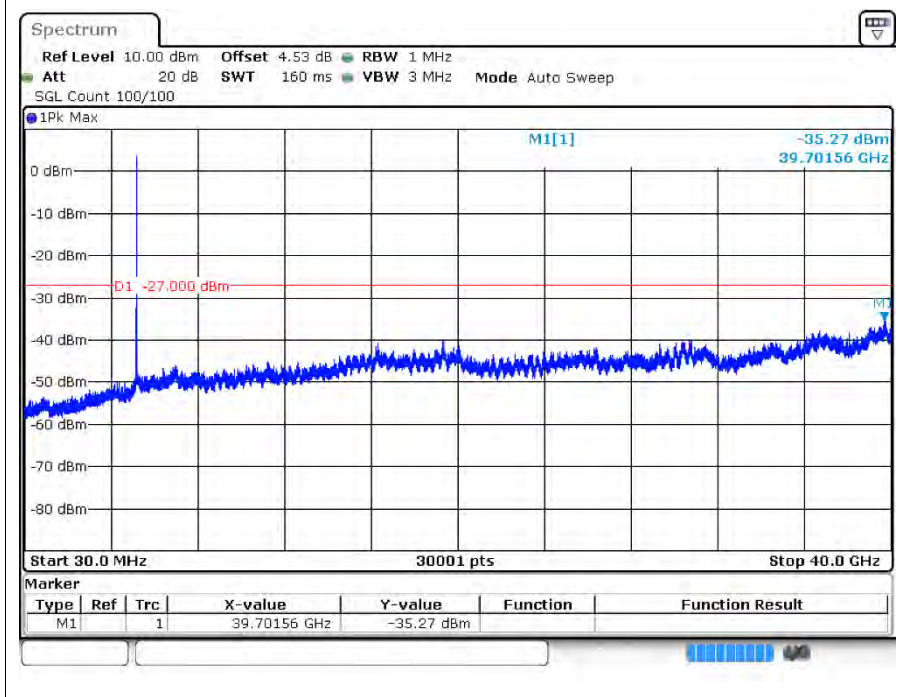




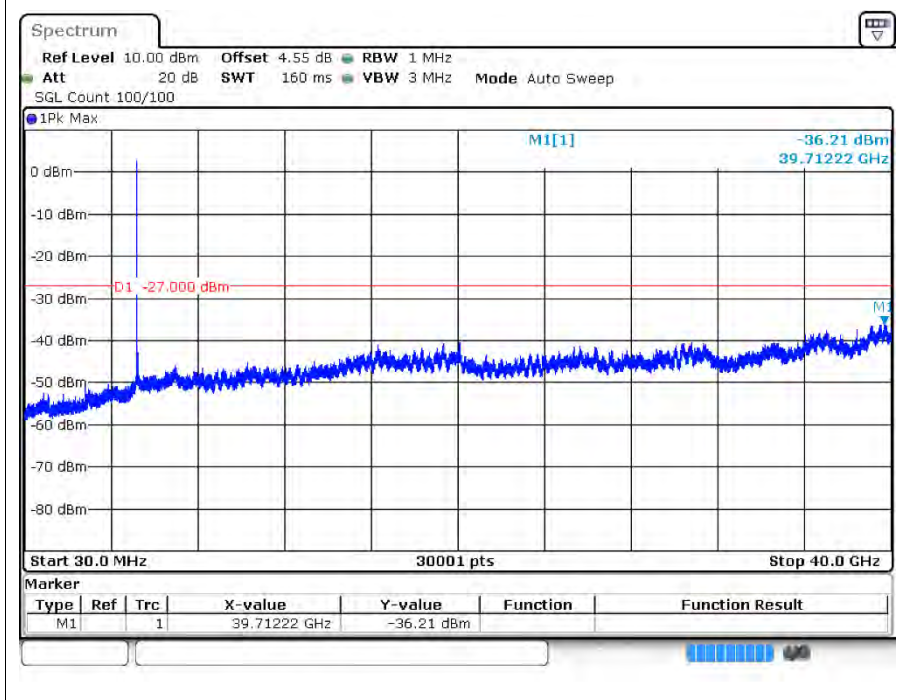


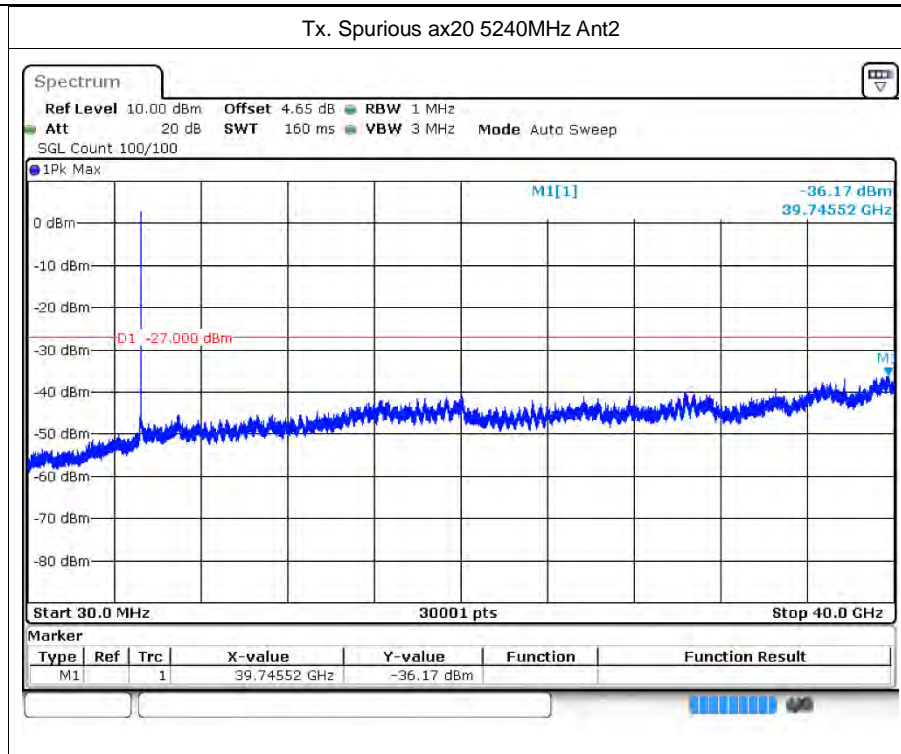


Tx. Spurious ax20 5180MHz Ant2

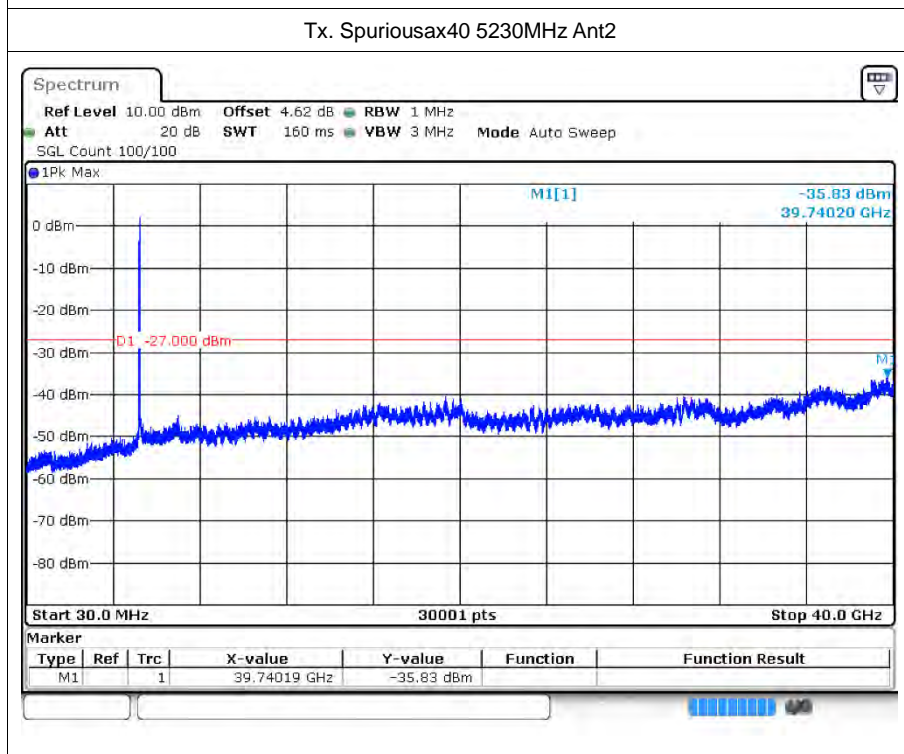
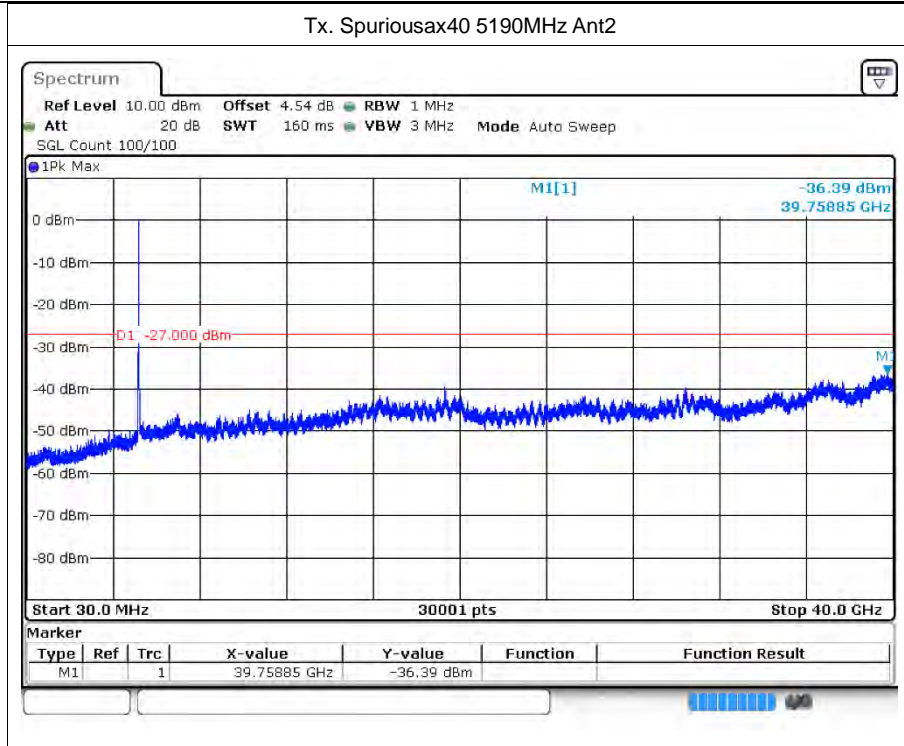


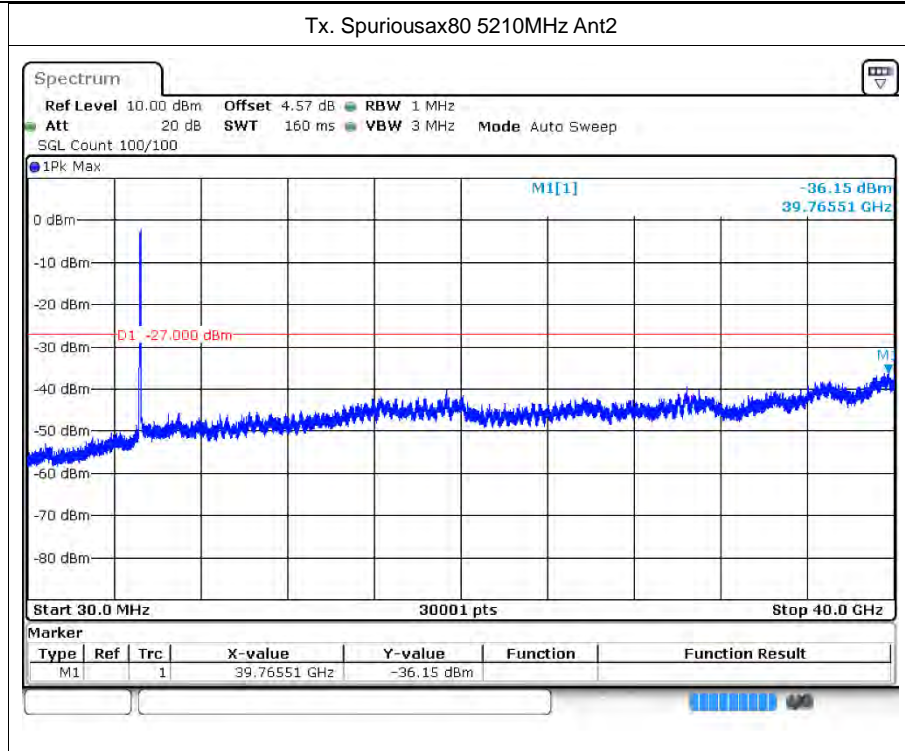
Tx. Spurious ax20 5200MHz Ant2













## 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	-54.65	5.343	45.923	Peak	68.2	Pass
a	5180	Ant1	4500	-64.51	5.343	36.063	Average	54	Pass
a	5180	Ant1	5076.1	-51.08	5.343	49.493	Peak	68.2	Pass
a	5180	Ant1	4970.4	-61.3	5.343	39.273	Average	54	Pass
a	5180	Ant1	5150	-53.16	5.343	47.413	Peak	68.2	Pass
a	5180	Ant1	5150	-62.44	5.343	38.133	Average	54	Pass
a	5240	Ant1	5350	-55.03	5.343	45.543	Peak	68.2	Pass
a	5240	Ant1	5350	-62.87	5.343	37.703	Average	54	Pass
a	5240	Ant1	5375.76	-51.05	5.343	49.523	Peak	68.2	Pass
a	5240	Ant1	5450.4	-60.96	5.343	39.613	Average	54	Pass
a	5240	Ant1	5460	-53.82	5.343	46.753	Peak	68.2	Pass
a	5240	Ant1	5460	-62.85	5.343	37.723	Average	54	Pass
n20	5180	Ant1	4500	-54.26	5.343	46.313	Peak	68.2	Pass
n20	5180	Ant1	4500	-65.1	5.343	35.473	Average	54	Pass
n20	5180	Ant1	5062.8	-51.66	5.343	48.913	Peak	68.2	Pass
n20	5180	Ant1	4962.7	-61.47	5.343	39.103	Average	54	Pass
n20	5180	Ant1	5150	-53.88	5.343	46.693	Peak	68.2	Pass
n20	5180	Ant1	5150	-62.67	5.343	37.903	Average	54	Pass
n20	5240	Ant1	5350	-54.88	5.343	45.693	Peak	68.2	Pass
n20	5240	Ant1	5350	-63.58	5.343	36.993	Average	54	Pass
n20	5240	Ant1	5402.4	-51.24	5.343	49.333	Peak	68.2	Pass
n20	5240	Ant1	5446.8	-61.04	5.343	39.533	Average	54	Pass
n20	5240	Ant1	5460	-54.77	5.343	45.803	Peak	68.2	Pass
n20	5240	Ant1	5460	-62.68	5.343	37.893	Average	54	Pass
n40	5190	Ant1	4500	-55.31	5.343	45.263	Peak	68.2	Pass
n40	5190	Ant1	4500	-64.17	5.343	36.403	Average	54	Pass
n40	5190	Ant1	5076.7	-50.65	5.343	49.923	Peak	68.2	Pass
n40	5190	Ant1	4966.47	-61.71	5.343	38.863	Average	54	Pass
n40	5190	Ant1	5150	-54.46	5.343	46.113	Peak	68.2	Pass
n40	5190	Ant1	5150	-62.77	5.343	37.803	Average	54	Pass
n40	5230	Ant1	5350	-51.49	5.343	49.083	Peak	68.2	Pass
n40	5230	Ant1	5350	-62.48	5.343	38.093	Average	54	Pass
n40	5230	Ant1	5386.83	-51.12	5.343	49.453	Peak	68.2	Pass
n40	5230	Ant1	5447.58	-61.3	5.343	39.273	Average	54	Pass
n40	5230	Ant1	5460	-55.45	5.343	45.123	Peak	68.2	Pass



n40	5230	Ant1	5460	-62.54	5.343	38.033	Average	54	Pass
ac20	5180	Ant1	4500	-55.35	5.343	45.223	Peak	68.2	Pass
ac20	5180	Ant1	4500	-64.61	5.343	35.963	Average	54	Pass
ac20	5180	Ant1	5106.9	-51.18	5.343	49.393	Peak	68.2	Pass
ac20	5180	Ant1	5040.4	-61.17	5.343	39.403	Average	54	Pass
ac20	5180	Ant1	5150	-53.06	5.343	47.513	Peak	68.2	Pass
ac20	5180	Ant1	5150	-62.82	5.343	37.753	Average	54	Pass
ac20	5240	Ant1	5350	-54.51	5.343	46.063	Peak	68.2	Pass
ac20	5240	Ant1	5350	-62.03	5.343	38.543	Average	54	Pass
ac20	5240	Ant1	5452.56	-50.03	5.343	50.543	Peak	68.2	Pass
ac20	5240	Ant1	5449.44	-60.83	5.343	39.743	Average	54	Pass
ac20	5240	Ant1	5460	-52.7	5.343	47.873	Peak	68.2	Pass
ac20	5240	Ant1	5460	-61.97	5.343	38.603	Average	54	Pass
ac40	5190	Ant1	4500	-54.71	5.343	45.863	Peak	68.2	Pass
ac40	5190	Ant1	4500	-64.87	5.343	35.703	Average	54	Pass
ac40	5190	Ant1	5056.26	-51.17	5.343	49.403	Peak	68.2	Pass
ac40	5190	Ant1	4967.2	-61.37	5.343	39.203	Average	54	Pass
ac40	5190	Ant1	5150	-55.07	5.343	45.503	Peak	68.2	Pass
ac40	5190	Ant1	5150	-62.56	5.343	38.013	Average	54	Pass
ac40	5230	Ant1	5350	-55.77	5.343	44.803	Peak	68.2	Pass
ac40	5230	Ant1	5350	-62.43	5.343	38.143	Average	54	Pass
ac40	5230	Ant1	5447.31	-50.32	5.343	50.253	Peak	68.2	Pass
ac40	5230	Ant1	5447.31	-60.81	5.343	39.763	Average	54	Pass
ac40	5230	Ant1	5460	-53.64	5.343	46.933	Peak	68.2	Pass
ac40	5230	Ant1	5460	-62.45	5.343	38.123	Average	54	Pass
ac80	5210	Ant1	4500	-55.54	5.343	45.033	Peak	68.2	Pass
ac80	5210	Ant1	4500	-64.63	5.343	35.943	Average	54	Pass
ac80	5210	Ant1	5032.46	-51.34	5.343	49.233	Peak	68.2	Pass
ac80	5210	Ant1	4967.68	-60.95	5.343	39.623	Average	54	Pass
ac80	5210	Ant1	5150	-52.9	5.343	47.673	Peak	68.2	Pass
ac80	5210	Ant1	5150	-62.39	5.343	38.183	Average	54	Pass
ax20	5180	Ant1	4500	-55.12	5.343	45.453	Peak	68.2	Pass
ax20	5180	Ant1	4500	-64.53	5.343	36.043	Average	54	Pass
ax20	5180	Ant1	5130	-50.97	5.343	49.603	Peak	68.2	Pass
ax20	5180	Ant1	4966.9	-61.45	5.343	39.123	Average	54	Pass
ax20	5180	Ant1	5150	-53.01	5.343	47.563	Peak	68.2	Pass
ax20	5180	Ant1	5150	-62.48	5.343	38.093	Average	54	Pass
ax20	5240	Ant1	5350	-52.03	5.343	48.543	Peak	68.2	Pass
ax20	5240	Ant1	5350	-62.51	5.343	38.063	Average	54	Pass
ax20	5240	Ant1	5367.84	-50.87	5.343	49.703	Peak	68.2	Pass
ax20	5240	Ant1	5448	-60.52	5.343	40.053	Average	54	Pass
ax20	5240	Ant1	5460	-53.64	5.343	46.933	Peak	68.2	Pass
ax20	5240	Ant1	5460	-62.7	5.343	37.873	Average	54	Pass



ax40	5190	Ant1	4500	-55.23	5.343	45.343	Peak	68.2	Pass
ax40	5190	Ant1	4500	-64.52	5.343	36.053	Average	54	Pass
ax40	5190	Ant1	5148.24	-51.27	5.343	49.303	Peak	68.2	Pass
ax40	5190	Ant1	4965.74	-61.19	5.343	39.383	Average	54	Pass
ax40	5190	Ant1	5150	-51.06	5.343	49.513	Peak	68.2	Pass
ax40	5190	Ant1	5150	-62.86	5.343	37.713	Average	54	Pass
ax40	5230	Ant1	5350	-54.27	5.343	46.303	Peak	68.2	Pass
ax40	5230	Ant1	5350	-62.52	5.343	38.053	Average	54	Pass
ax40	5230	Ant1	5450.01	-50.15	5.343	50.423	Peak	68.2	Pass
ax40	5230	Ant1	5449.74	-61.25	5.343	39.323	Average	54	Pass
ax40	5230	Ant1	5460	-53.83	5.343	46.743	Peak	68.2	Pass
ax40	5230	Ant1	5460	-62.57	5.343	38.003	Average	54	Pass
ax80	5210	Ant1	4500	-54.66	5.343	45.913	Peak	68.2	Pass
ax80	5210	Ant1	4500	-64.94	5.343	35.633	Average	54	Pass
ax80	5210	Ant1	4970.05	-51.51	5.343	49.063	Peak	68.2	Pass
ax80	5210	Ant1	4966.1	-61.39	5.343	39.183	Average	54	Pass
ax80	5210	Ant1	5150	-53.93	5.343	46.643	Peak	68.2	Pass
ax80	5210	Ant1	5150	-62.77	5.343	37.803	Average	54	Pass
a	5180	Ant2	4500	-55.49	7.07	46.810	Peak	68.2	Pass
a	5180	Ant2	4500	-64.51	7.07	37.790	Average	54	Pass
a	5180	Ant2	4964.8	-52.01	7.07	50.290	Peak	68.2	Pass
a	5180	Ant2	4962.7	-61.19	7.07	41.110	Average	54	Pass
a	5180	Ant2	5150	-53.5	7.07	48.800	Peak	68.2	Pass
a	5180	Ant2	5150	-61.96	7.07	40.340	Average	54	Pass
a	5240	Ant2	5350	-54.76	7.07	47.540	Peak	68.2	Pass
a	5240	Ant2	5350	-62.18	7.07	40.120	Average	54	Pass
a	5240	Ant2	5428.8	-50.69	7.07	51.610	Peak	68.2	Pass
a	5240	Ant2	5446.8	-61.24	7.07	41.060	Average	54	Pass
a	5240	Ant2	5460	-53.97	7.07	48.330	Peak	68.2	Pass
a	5240	Ant2	5460	-62.68	7.07	39.620	Average	54	Pass
n20	5180	Ant2	4500	-54.23	7.07	48.070	Peak	68.2	Pass
n20	5180	Ant2	4500	-65.17	7.07	37.130	Average	54	Pass
n20	5180	Ant2	5134.9	-50.59	7.07	51.710	Peak	68.2	Pass
n20	5180	Ant2	4964.1	-61.52	7.07	40.780	Average	54	Pass
n20	5180	Ant2	5150	-53.93	7.07	48.370	Peak	68.2	Pass
n20	5180	Ant2	5150	-62.21	7.07	40.090	Average	54	Pass
n20	5240	Ant2	5350	-53.57	7.07	48.730	Peak	68.2	Pass
n20	5240	Ant2	5350	-62.35	7.07	39.950	Average	54	Pass
n20	5240	Ant2	5450.16	-49.48	7.07	52.820	Peak	68.2	Pass
n20	5240	Ant2	5446.8	-60.96	7.07	41.340	Average	54	Pass
n20	5240	Ant2	5460	-54.48	7.07	47.820	Peak	68.2	Pass
n20	5240	Ant2	5460	-63.07	7.07	39.230	Average	54	Pass
n40	5190	Ant2	4500	-54.65	7.07	47.650	Peak	68.2	Pass



n40	5190	Ant2	4500	-65.2	7.07	37.100	Average	54	Pass
n40	5190	Ant2	5097.14	-51.57	7.07	50.730	Peak	68.2	Pass
n40	5190	Ant2	4970.85	-61.8	7.07	40.500	Average	54	Pass
n40	5190	Ant2	5150	-50.58	7.07	51.720	Peak	68.2	Pass
n40	5190	Ant2	5150	-63.02	7.07	39.280	Average	54	Pass
n40	5230	Ant2	5350	-54	7.07	48.300	Peak	68.2	Pass
n40	5230	Ant2	5350	-62.51	7.07	39.790	Average	54	Pass
n40	5230	Ant2	5447.31	-50.98	7.07	51.320	Peak	68.2	Pass
n40	5230	Ant2	5449.74	-61.21	7.07	41.090	Average	54	Pass
n40	5230	Ant2	5460	-54.1	7.07	48.200	Peak	68.2	Pass
n40	5230	Ant2	5460	-63.02	7.07	39.280	Average	54	Pass
ac20	5180	Ant2	4500	-55.79	7.07	46.510	Peak	68.2	Pass
ac20	5180	Ant2	4500	-64.61	7.07	37.690	Average	54	Pass
ac20	5180	Ant2	5083.1	-51.33	7.07	50.970	Peak	68.2	Pass
ac20	5180	Ant2	5035.5	-61.32	7.07	40.980	Average	54	Pass
ac20	5180	Ant2	5150	-52.64	7.07	49.660	Peak	68.2	Pass
ac20	5180	Ant2	5150	-62.36	7.07	39.940	Average	54	Pass
ac20	5240	Ant2	5350	-53.92	7.07	48.380	Peak	68.2	Pass
ac20	5240	Ant2	5350	-62.45	7.07	39.850	Average	54	Pass
ac20	5240	Ant2	5446.8	-49.68	7.07	52.620	Peak	68.2	Pass
ac20	5240	Ant2	5452.08	-61.03	7.07	41.270	Average	54	Pass
ac20	5240	Ant2	5460	-54.51	7.07	47.790	Peak	68.2	Pass
ac20	5240	Ant2	5460	-62.78	7.07	39.520	Average	54	Pass
ac40	5190	Ant2	4500	-53.74	7.07	48.560	Peak	68.2	Pass
ac40	5190	Ant2	4500	-64.84	7.07	37.460	Average	54	Pass
ac40	5190	Ant2	4966.47	-51.48	7.07	50.820	Peak	68.2	Pass
ac40	5190	Ant2	4968.66	-61.27	7.07	41.030	Average	54	Pass
ac40	5190	Ant2	5150	-53.37	7.07	48.930	Peak	68.2	Pass
ac40	5190	Ant2	5150	-61.95	7.07	40.350	Average	54	Pass
ac40	5230	Ant2	5350	-53.38	7.07	48.920	Peak	68.2	Pass
ac40	5230	Ant2	5350	-62.46	7.07	39.840	Average	54	Pass
ac40	5230	Ant2	5355.78	-51.05	7.07	51.250	Peak	68.2	Pass
ac40	5230	Ant2	5451.36	-60.6	7.07	41.700	Average	54	Pass
ac40	5230	Ant2	5460	-54.47	7.07	47.830	Peak	68.2	Pass
ac40	5230	Ant2	5460	-62.09	7.07	40.210	Average	54	Pass
ac80	5210	Ant2	4500	-55.05	7.07	47.250	Peak	68.2	Pass
ac80	5210	Ant2	4500	-65.35	7.07	36.950	Average	54	Pass
ac80	5210	Ant2	4739.37	-49.9	7.07	52.400	Peak	68.2	Pass
ac80	5210	Ant2	4967.68	-61.13	7.07	41.170	Average	54	Pass
ac80	5210	Ant2	5150	-53.55	7.07	48.750	Peak	68.2	Pass
ac80	5210	Ant2	5150	-62.38	7.07	39.920	Average	54	Pass
ax20	5180	Ant2	4500	-55.27	7.07	47.030	Peak	68.2	Pass
ax20	5180	Ant2	4500	-64.21	7.07	38.090	Average	54	Pass



ax20	5180	Ant2	4880.8	-50.96	7.07	51.340	Peak	68.2	Pass
ax20	5180	Ant2	5034.1	-61.33	7.07	40.970	Average	54	Pass
ax20	5180	Ant2	5150	-53.62	7.07	48.680	Peak	68.2	Pass
ax20	5180	Ant2	5150	-62.44	7.07	39.860	Average	54	Pass
ax20	5240	Ant2	5350	-54.06	7.07	48.240	Peak	68.2	Pass
ax20	5240	Ant2	5350	-61.67	7.07	40.630	Average	54	Pass
ax20	5240	Ant2	5420.16	-50.99	7.07	51.310	Peak	68.2	Pass
ax20	5240	Ant2	5446.56	-61.02	7.07	41.280	Average	54	Pass
ax20	5240	Ant2	5460	-54.29	7.07	48.010	Peak	68.2	Pass
ax20	5240	Ant2	5460	-62.96	7.07	39.340	Average	54	Pass
ax40	5190	Ant2	4500	-54.67	7.07	47.630	Peak	68.2	Pass
ax40	5190	Ant2	4500	-64.83	7.07	37.470	Average	54	Pass
ax40	5190	Ant2	5055.53	-51.49	7.07	50.810	Peak	68.2	Pass
ax40	5190	Ant2	4557.67	-61.49	7.07	40.810	Average	54	Pass
ax40	5190	Ant2	5150	-51.81	7.07	50.490	Peak	68.2	Pass
ax40	5190	Ant2	5150	-62.53	7.07	39.770	Average	54	Pass
ax40	5230	Ant2	5350	-52.43	7.07	49.870	Peak	68.2	Pass
ax40	5230	Ant2	5350	-62.58	7.07	39.720	Average	54	Pass
ax40	5230	Ant2	5448.39	-50.94	7.07	51.360	Peak	68.2	Pass
ax40	5230	Ant2	5447.85	-60.65	7.07	41.650	Average	54	Pass
ax40	5230	Ant2	5460	-55.09	7.07	47.210	Peak	68.2	Pass
ax40	5230	Ant2	5460	-62.48	7.07	39.820	Average	54	Pass
ax80	5210	Ant2	4500	-55.17	7.07	47.130	Peak	68.2	Pass
ax80	5210	Ant2	4500	-65.8	7.07	36.500	Average	54	Pass
ax80	5210	Ant2	5062.48	-51.68	7.07	50.620	Peak	68.2	Pass
ax80	5210	Ant2	4966.89	-62.81	7.07	39.490	Average	54	Pass
ax80	5210	Ant2	5150	-53	7.07	49.300	Peak	68.2	Pass
ax80	5210	Ant2	5150	-63.87	7.07	38.430	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	-51.235	9.260	53.255	Peak	68.2	Pass
n20	5180	Sum	4500	-62.125	9.260	42.365	Average	54	Pass
n20	5180	Sum	5062.8	-48.082	9.260	56.408	Peak	68.2	Pass
n20	5180	Sum	4962.7	-58.485	9.260	46.005	Average	54	Pass
n20	5180	Sum	5150	-50.895	9.260	53.595	Peak	68.2	Pass
n20	5180	Sum	5150	-59.424	9.260	45.066	Average	54	Pass
n20	5240	Sum	5350	-51.165	9.260	53.325	Peak	68.2	Pass
n20	5240	Sum	5350	-59.911	9.260	44.579	Average	54	Pass
n20	5240	Sum	5402.4	-47.261	9.260	57.229	Peak	68.2	Pass
n20	5240	Sum	5446.8	-57.990	9.260	46.500	Average	54	Pass
n20	5240	Sum	5460	-51.612	9.260	52.878	Peak	68.2	Pass
n20	5240	Sum	5460	-59.860	9.260	44.630	Average	54	Pass
n40	5190	Sum	4500	-51.957	9.260	52.533	Peak	68.2	Pass
n40	5190	Sum	4500	-61.644	9.260	42.846	Average	54	Pass
n40	5190	Sum	5076.7	-48.075	9.260	56.415	Peak	68.2	Pass
n40	5190	Sum	4966.47	-58.744	9.260	45.746	Average	54	Pass
n40	5190	Sum	5150	-49.090	9.260	55.400	Peak	68.2	Pass
n40	5190	Sum	5150	-59.883	9.260	44.607	Average	54	Pass
n40	5230	Sum	5350	-49.556	9.260	54.934	Peak	68.2	Pass
n40	5230	Sum	5350	-59.485	9.260	45.005	Average	54	Pass
n40	5230	Sum	5386.83	-48.039	9.260	56.451	Peak	68.2	Pass
n40	5230	Sum	5447.58	-58.244	9.260	46.246	Average	54	Pass
n40	5230	Sum	5460	-51.712	9.260	52.778	Peak	68.2	Pass
n40	5230	Sum	5460	-59.763	9.260	44.727	Average	54	Pass
ac20	5180	Sum	4500	-52.554	9.260	51.936	Peak	68.2	Pass
ac20	5180	Sum	4500	-61.600	9.260	42.890	Average	54	Pass
ac20	5180	Sum	5106.9	-48.244	9.260	56.246	Peak	68.2	Pass
ac20	5180	Sum	5040.4	-58.234	9.260	46.256	Average	54	Pass
ac20	5180	Sum	5150	-49.835	9.260	54.655	Peak	68.2	Pass
ac20	5180	Sum	5150	-59.574	9.260	44.916	Average	54	Pass
ac20	5240	Sum	5350	-51.195	9.260	53.295	Peak	68.2	Pass
ac20	5240	Sum	5350	-59.225	9.260	45.265	Average	54	Pass
ac20	5240	Sum	5452.56	-46.841	9.260	57.649	Peak	68.2	Pass
ac20	5240	Sum	5449.44	-57.919	9.260	46.571	Average	54	Pass
ac20	5240	Sum	5460	-50.501	9.260	53.989	Peak	68.2	Pass
ac20	5240	Sum	5460	-59.346	9.260	45.144	Average	54	Pass
ac40	5190	Sum	4500	-51.188	9.260	53.302	Peak	68.2	Pass
ac40	5190	Sum	4500	-61.845	9.260	42.645	Average	54	Pass
ac40	5190	Sum	5056.26	-48.312	9.260	56.178	Peak	68.2	Pass
ac40	5190	Sum	4967.2	-58.309	9.260	46.181	Average	54	Pass





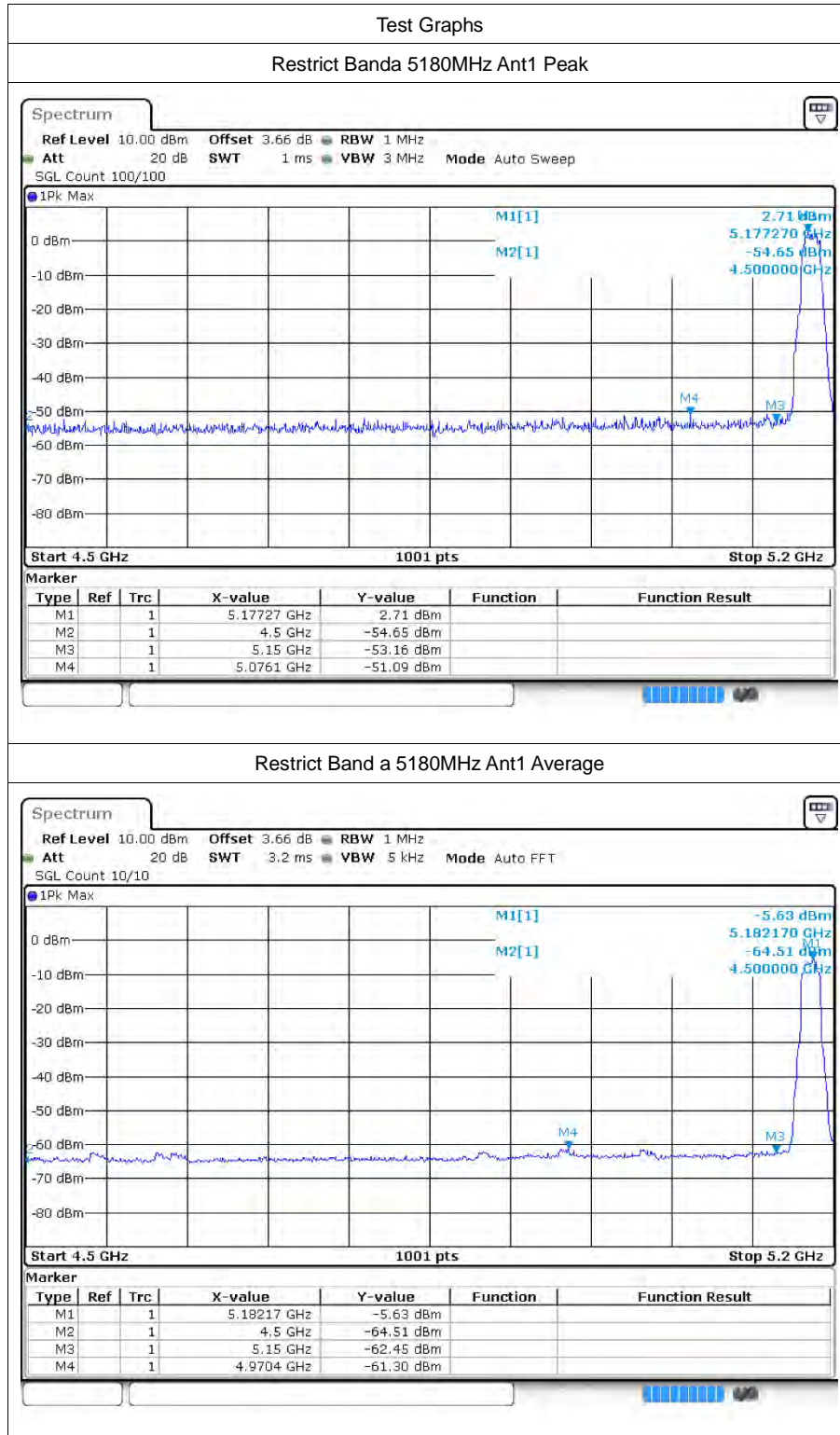
ac40	5190	Sum	5150	-51.127	9.260	53.363	Peak	68.2	Pass
ac40	5190	Sum	5150	-59.234	9.260	45.256	Average	54	Pass
ac40	5230	Sum	5350	-51.402	9.260	53.088	Peak	68.2	Pass
ac40	5230	Sum	5350	-59.435	9.260	45.055	Average	54	Pass
ac40	5230	Sum	5447.31	-47.659	9.260	56.831	Peak	68.2	Pass
ac40	5230	Sum	5447.31	-57.693	9.260	46.797	Average	54	Pass
ac40	5230	Sum	5460	-51.025	9.260	53.465	Peak	68.2	Pass
ac40	5230	Sum	5460	-59.256	9.260	45.234	Average	54	Pass
ac80	5210	Sum	4500	-52.278	9.260	52.212	Peak	68.2	Pass
ac80	5210	Sum	4500	-61.965	9.260	42.525	Average	54	Pass
ac80	5210	Sum	5032.46	-47.550	9.260	56.940	Peak	68.2	Pass
ac80	5210	Sum	4967.68	-58.029	9.260	46.461	Average	54	Pass
ac80	5210	Sum	5150	-50.203	9.260	54.287	Peak	68.2	Pass
ac80	5210	Sum	5150	-59.375	9.260	45.115	Average	54	Pass
ax20	5180	Sum	4500	-52.184	9.260	52.306	Peak	68.2	Pass
ax20	5180	Sum	4500	-61.357	9.260	43.133	Average	54	Pass
ax20	5180	Sum	5130	-47.955	9.260	56.535	Peak	68.2	Pass
ax20	5180	Sum	4966.9	-58.379	9.260	46.111	Average	54	Pass
ax20	5180	Sum	5150	-50.294	9.260	54.196	Peak	68.2	Pass
ax20	5180	Sum	5150	-59.450	9.260	45.040	Average	54	Pass
ax20	5240	Sum	5350	-49.917	9.260	54.573	Peak	68.2	Pass
ax20	5240	Sum	5350	-59.059	9.260	45.431	Average	54	Pass
ax20	5240	Sum	5367.84	-47.919	9.260	56.571	Peak	68.2	Pass
ax20	5240	Sum	5448	-57.753	9.260	46.737	Average	54	Pass
ax20	5240	Sum	5460	-50.943	9.260	53.547	Peak	68.2	Pass
ax20	5240	Sum	5460	-59.818	9.260	44.672	Average	54	Pass
ax40	5190	Sum	4500	-51.931	9.260	52.559	Peak	68.2	Pass
ax40	5190	Sum	4500	-61.662	9.260	42.828	Average	54	Pass
ax40	5190	Sum	5148.24	-48.368	9.260	56.122	Peak	68.2	Pass
ax40	5190	Sum	4965.74	-58.327	9.260	46.163	Average	54	Pass
ax40	5190	Sum	5150	-48.409	9.260	56.081	Peak	68.2	Pass
ax40	5190	Sum	5150	-59.682	9.260	44.808	Average	54	Pass
ax40	5230	Sum	5350	-50.243	9.260	54.247	Peak	68.2	Pass
ax40	5230	Sum	5350	-59.540	9.260	44.950	Average	54	Pass
ax40	5230	Sum	5450.01	-47.517	9.260	56.973	Peak	68.2	Pass
ax40	5230	Sum	5449.74	-57.929	9.260	46.561	Average	54	Pass
ax40	5230	Sum	5460	-51.404	9.260	53.086	Peak	68.2	Pass
ax40	5230	Sum	5460	-59.514	9.260	44.976	Average	54	Pass
ax80	5210	Sum	4500	-51.897	9.260	52.593	Peak	68.2	Pass
ax80	5210	Sum	4500	-62.338	9.260	42.152	Average	54	Pass
ax80	5210	Sum	4970.05	-48.584	9.260	55.906	Peak	68.2	Pass
ax80	5210	Sum	4966.1	-59.032	9.260	45.458	Average	54	Pass
ax80	5210	Sum	5150	-50.430	9.260	54.060	Peak	68.2	Pass



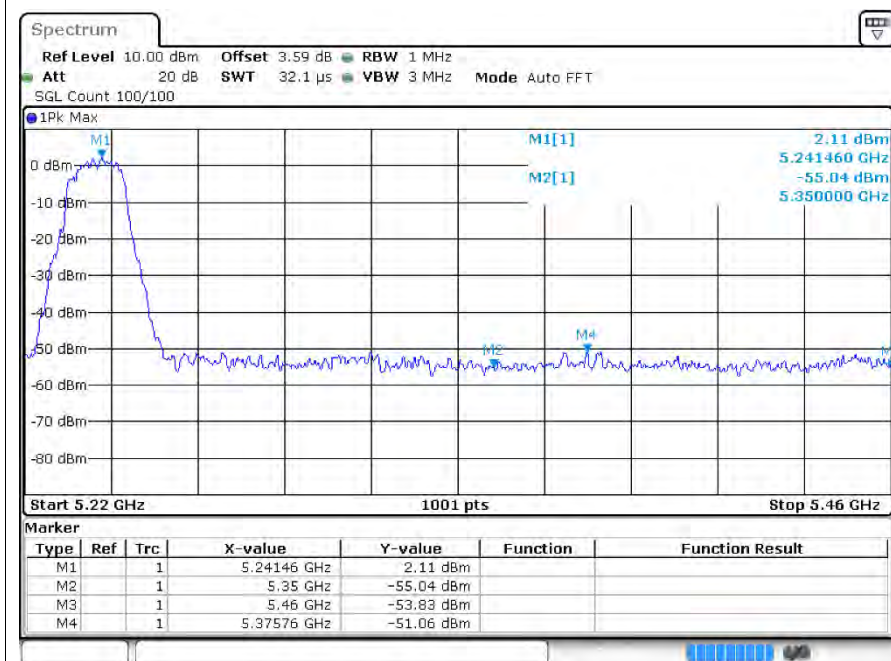
ax80	5210	Sum	5150	-60.275	9.260	44.215	Average	54	Pass
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## 8.2 Test Graphs



Restrict Banda 5240MHz Ant1 Peak



Restrict Band a 5240MHz Ant1 Average

