



## 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	5179.98	-20000	-3.86	25	Pass
20C 120V	a	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 138V	a	5180	Ant1	5179.94	-60000	-11.58	25	Pass
-20C 120V	a	5180	Ant1	5179.94	-60000	-11.58	25	Pass
-10C 120V	a	5180	Ant1	5179.94	-60000	-11.58	25	Pass
0C 120V	a	5180	Ant1	5180.02	20000	3.86	25	Pass
10C 120V	a	5180	Ant1	5179.96	-40000	-7.72	25	Pass
30C 120V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
40C 120V	a	5180	Ant1	5179.94	-60000	-11.58	25	Pass
50C 120V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 102V	a	5240	Ant1	5239.98	-20000	-3.82	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	5239.98	-20000	-3.82	25	Pass
-10C 120V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
0C 120V	a	5240	Ant1	5239.96	-40000	-7.63	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	5240	0	0	25	Pass
50C 120V	a	5240	Ant1	5239.94	-60000	-11.45	25	Pass
20C 102V	a	5280	Ant1	5279.98	-20000	-3.79	25	Pass
20C 120V	a	5280	Ant1	5279.92	-80000	-15.15	25	Pass
20C 138V	a	5280	Ant1	5279.94	-60000	-11.36	25	Pass
-20C 120V	a	5280	Ant1	5280	0	0	25	Pass
-10C 120V	a	5280	Ant1	5279.96	-40000	-7.58	25	Pass
0C 120V	a	5280	Ant1	5279.94	-60000	-11.36	25	Pass
10C 120V	a	5280	Ant1	5279.92	-80000	-15.15	25	Pass
30C 120V	a	5280	Ant1	5279.94	-60000	-11.36	25	Pass
40C 120V	a	5280	Ant1	5279.94	-60000	-11.36	25	Pass
50C 120V	a	5280	Ant1	5279.92	-80000	-15.15	25	Pass
20C 102V	a	5320	Ant1	5319.96	-40000	-7.52	25	Pass
20C 120V	a	5320	Ant1	5319.98	-20000	-3.76	25	Pass
20C 138V	a	5320	Ant1	5320.02	20000	3.76	25	Pass
-20C 120V	a	5320	Ant1	5319.96	-40000	-7.52	25	Pass
-10C 120V	a	5320	Ant1	5319.94	-60000	-11.28	25	Pass



0C 120V	a	5320	Ant1	5319.96	-40000	-7.52	25	Pass
10C 120V	a	5320	Ant1	5319.98	-20000	-3.76	25	Pass
30C 120V	a	5320	Ant1	5319.98	-20000	-3.76	25	Pass
40C 120V	a	5320	Ant1	5319.96	-40000	-7.52	25	Pass
50C 120V	a	5320	Ant1	5319.96	-40000	-7.52	25	Pass
20C 102V	a	5500	Ant1	5499.94	-60000	-10.91	25	Pass
20C 120V	a	5500	Ant1	5499.94	-60000	-10.91	25	Pass
20C 138V	a	5500	Ant1	5499.96	-40000	-7.27	25	Pass
-20C 120V	a	5500	Ant1	5499.96	-40000	-7.27	25	Pass
-10C 120V	a	5500	Ant1	5499.98	-20000	-3.64	25	Pass
0C 120V	a	5500	Ant1	5499.94	-60000	-10.91	25	Pass
10C 120V	a	5500	Ant1	5499.98	-20000	-3.64	25	Pass
30C 120V	a	5500	Ant1	5499.96	-40000	-7.27	25	Pass
40C 120V	a	5500	Ant1	5499.96	-40000	-7.27	25	Pass
50C 120V	a	5500	Ant1	5499.94	-60000	-10.91	25	Pass
20C 102V	a	5700	Ant1	5699.98	-20000	-3.51	25	Pass
20C 120V	a	5700	Ant1	5699.94	-60000	-10.53	25	Pass
20C 138V	a	5700	Ant1	5699.94	-60000	-10.53	25	Pass
-20C 120V	a	5700	Ant1	5699.96	-40000	-7.02	25	Pass
-10C 120V	a	5700	Ant1	5699.94	-60000	-10.53	25	Pass
0C 120V	a	5700	Ant1	5699.94	-60000	-10.53	25	Pass
10C 120V	a	5700	Ant1	5699.94	-60000	-10.53	25	Pass
30C 120V	a	5700	Ant1	5699.98	-20000	-3.51	25	Pass
40C 120V	a	5700	Ant1	5699.96	-40000	-7.02	25	Pass
50C 120V	a	5700	Ant1	5699.94	-60000	-10.53	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	5179.98	-20000	-3.86	25	Pass
0C 120V	n20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
10C 120V	n20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
30C 120V	n20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
40C 120V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
50C 120V	n20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
20C 102V	n20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
20C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 138V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-20C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-10C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
0C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	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	5239.98	-20000	-3.82	25	Pass
50C 120V	n20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
20C 102V	n20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
20C 120V	n20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
20C 138V	n20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
-20C 120V	n20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
-10C 120V	n20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
0C 120V	n20	5280	Ant1	5279.96	-40000	-7.58	25	Pass
10C 120V	n20	5280	Ant1	5279.94	-60000	-11.36	25	Pass
30C 120V	n20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
40C 120V	n20	5280	Ant1	5279.92	-80000	-15.15	25	Pass
50C 120V	n20	5280	Ant1	5279.94	-60000	-11.36	25	Pass
20C 102V	n20	5320	Ant1	5320	0	0	25	Pass
20C 120V	n20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
20C 138V	n20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
-20C 120V	n20	5320	Ant1	5319.96	-40000	-7.52	25	Pass
-10C 120V	n20	5320	Ant1	5319.96	-40000	-7.52	25	Pass
0C 120V	n20	5320	Ant1	5319.96	-40000	-7.52	25	Pass
10C 120V	n20	5320	Ant1	5319.94	-60000	-11.28	25	Pass
30C 120V	n20	5320	Ant1	5319.96	-40000	-7.52	25	Pass
40C 120V	n20	5320	Ant1	5319.96	-40000	-7.52	25	Pass
50C 120V	n20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
20C 102V	n20	5500	Ant1	5499.96	-40000	-7.27	25	Pass
20C 120V	n20	5500	Ant1	5499.96	-40000	-7.27	25	Pass
20C 138V	n20	5500	Ant1	5499.94	-60000	-10.91	25	Pass
-20C 120V	n20	5500	Ant1	5499.96	-40000	-7.27	25	Pass
-10C 120V	n20	5500	Ant1	5499.94	-60000	-10.91	25	Pass
0C 120V	n20	5500	Ant1	5499.96	-40000	-7.27	25	Pass
10C 120V	n20	5500	Ant1	5499.94	-60000	-10.91	25	Pass
30C 120V	n20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
40C 120V	n20	5500	Ant1	5499.96	-40000	-7.27	25	Pass
50C 120V	n20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
20C 102V	n20	5700	Ant1	5699.94	-60000	-10.53	25	Pass
20C 120V	n20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
20C 138V	n20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
-20C 120V	n20	5700	Ant1	5699.98	-20000	-3.51	25	Pass
-10C 120V	n20	5700	Ant1	5699.98	-20000	-3.51	25	Pass
0C 120V	n20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
10C 120V	n20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
30C 120V	n20	5700	Ant1	5699.92	-80000	-14.04	25	Pass
40C 120V	n20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
50C 120V	n20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
20C 102V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass



20C 120V	n40	5190	Ant1	5190	0	0	25	Pass
20C 138V	n40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
-20C 120V	n40	5190	Ant1	5190	0	0	25	Pass
-10C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
0C 120V	n40	5190	Ant1	5190	0	0	25	Pass
10C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
30C 120V	n40	5190	Ant1	5190	0	0	25	Pass
40C 120V	n40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
50C 120V	n40	5190	Ant1	5190	0	0	25	Pass
20C 102V	n40	5310	Ant1	5309.92	-80000	-15.07	25	Pass
20C 120V	n40	5310	Ant1	5309.96	-40000	-7.53	25	Pass
20C 138V	n40	5310	Ant1	5310	0	0	25	Pass
-20C 120V	n40	5310	Ant1	5309.92	-80000	-15.07	25	Pass
-10C 120V	n40	5310	Ant1	5310	0	0	25	Pass
0C 120V	n40	5310	Ant1	5309.92	-80000	-15.07	25	Pass
10C 120V	n40	5310	Ant1	5309.96	-40000	-7.53	25	Pass
30C 120V	n40	5310	Ant1	5309.96	-40000	-7.53	25	Pass
40C 120V	n40	5310	Ant1	5309.96	-40000	-7.53	25	Pass
50C 120V	n40	5310	Ant1	5309.96	-40000	-7.53	25	Pass
20C 102V	n40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
20C 120V	n40	5510	Ant1	5510	0	0	25	Pass
20C 138V	n40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
-20C 120V	n40	5510	Ant1	5510	0	0	25	Pass
-10C 120V	n40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
0C 120V	n40	5510	Ant1	5509.92	-80000	-14.52	25	Pass
10C 120V	n40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
30C 120V	n40	5510	Ant1	5510	0	0	25	Pass
40C 120V	n40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
50C 120V	n40	5510	Ant1	5509.92	-80000	-14.52	25	Pass
20C 102V	n40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
20C 120V	n40	5670	Ant1	5670	0	0	25	Pass
20C 138V	n40	5670	Ant1	5669.92	-80000	-14.11	25	Pass
-20C 120V	n40	5670	Ant1	5670	0	0	25	Pass
-10C 120V	n40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
0C 120V	n40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
10C 120V	n40	5670	Ant1	5669.92	-80000	-14.11	25	Pass
30C 120V	n40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
40C 120V	n40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
50C 120V	n40	5670	Ant1	5669.92	-80000	-14.11	25	Pass
20C 102V	ac20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 120V	ac20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 138V	ac20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
-20C 120V	ac20	5180	Ant1	5179.98	-20000	-3.86	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	5179.94	-60000	-11.58	25	Pass
30C 120V	ac20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
40C 120V	ac20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
50C 120V	ac20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 102V	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 120V	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 138V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-20C 120V	ac20	5240	Ant1	5239.94	-60000	-11.45	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	5239.98	-20000	-3.82	25	Pass
30C 120V	ac20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
40C 120V	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
50C 120V	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 102V	ac20	5280	Ant1	5279.94	-60000	-11.36	25	Pass
20C 120V	ac20	5280	Ant1	5279.96	-40000	-7.58	25	Pass
20C 138V	ac20	5280	Ant1	5279.96	-40000	-7.58	25	Pass
-20C 120V	ac20	5280	Ant1	5279.94	-60000	-11.36	25	Pass
-10C 120V	ac20	5280	Ant1	5279.94	-60000	-11.36	25	Pass
0C 120V	ac20	5280	Ant1	5279.94	-60000	-11.36	25	Pass
10C 120V	ac20	5280	Ant1	5279.94	-60000	-11.36	25	Pass
30C 120V	ac20	5280	Ant1	5279.96	-40000	-7.58	25	Pass
40C 120V	ac20	5280	Ant1	5279.96	-40000	-7.58	25	Pass
50C 120V	ac20	5280	Ant1	5279.96	-40000	-7.58	25	Pass
20C 102V	ac20	5320	Ant1	5320	0	0	25	Pass
20C 120V	ac20	5320	Ant1	5319.96	-40000	-7.52	25	Pass
20C 138V	ac20	5320	Ant1	5319.94	-60000	-11.28	25	Pass
-20C 120V	ac20	5320	Ant1	5319.96	-40000	-7.52	25	Pass
-10C 120V	ac20	5320	Ant1	5320	0	0	25	Pass
0C 120V	ac20	5320	Ant1	5319.96	-40000	-7.52	25	Pass
10C 120V	ac20	5320	Ant1	5319.94	-60000	-11.28	25	Pass
30C 120V	ac20	5320	Ant1	5319.96	-40000	-7.52	25	Pass
40C 120V	ac20	5320	Ant1	5319.96	-40000	-7.52	25	Pass
50C 120V	ac20	5320	Ant1	5319.96	-40000	-7.52	25	Pass
20C 102V	ac20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
20C 120V	ac20	5500	Ant1	5499.94	-60000	-10.91	25	Pass
20C 138V	ac20	5500	Ant1	5499.96	-40000	-7.27	25	Pass
-20C 120V	ac20	5500	Ant1	5499.96	-40000	-7.27	25	Pass
-10C 120V	ac20	5500	Ant1	5499.96	-40000	-7.27	25	Pass
0C 120V	ac20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
10C 120V	ac20	5500	Ant1	5499.94	-60000	-10.91	25	Pass



30C 120V	ac20	5500	Ant1	5499.96	-40000	-7.27	25	Pass
40C 120V	ac20	5500	Ant1	5499.94	-60000	-10.91	25	Pass
50C 120V	ac20	5500	Ant1	5499.98	-20000	-3.64	25	Pass
20C 102V	ac20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
20C 120V	ac20	5700	Ant1	5699.88	-120000	-21.05	25	Pass
20C 138V	ac20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
-20C 120V	ac20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
-10C 120V	ac20	5700	Ant1	5699.92	-80000	-14.04	25	Pass
0C 120V	ac20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
10C 120V	ac20	5700	Ant1	5699.94	-60000	-10.53	25	Pass
30C 120V	ac20	5700	Ant1	5699.94	-60000	-10.53	25	Pass
40C 120V	ac20	5700	Ant1	5699.96	-40000	-7.02	25	Pass
50C 120V	ac20	5700	Ant1	5699.94	-60000	-10.53	25	Pass
20C 102V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 120V	ac40	5190	Ant1	5190	0	0	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	5189.92	-80000	-15.41	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	5310	Ant1	5309.96	-40000	-7.53	25	Pass
20C 120V	ac40	5310	Ant1	5309.96	-40000	-7.53	25	Pass
20C 138V	ac40	5310	Ant1	5309.96	-40000	-7.53	25	Pass
-20C 120V	ac40	5310	Ant1	5309.96	-40000	-7.53	25	Pass
-10C 120V	ac40	5310	Ant1	5309.96	-40000	-7.53	25	Pass
0C 120V	ac40	5310	Ant1	5309.96	-40000	-7.53	25	Pass
10C 120V	ac40	5310	Ant1	5309.92	-80000	-15.07	25	Pass
30C 120V	ac40	5310	Ant1	5309.96	-40000	-7.53	25	Pass
40C 120V	ac40	5310	Ant1	5309.96	-40000	-7.53	25	Pass
50C 120V	ac40	5310	Ant1	5309.92	-80000	-15.07	25	Pass
20C 102V	ac40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
20C 120V	ac40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
20C 138V	ac40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
-20C 120V	ac40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
-10C 120V	ac40	5510	Ant1	5509.96	-40000	-7.26	25	Pass
0C 120V	ac40	5510	Ant1	5509.92	-80000	-14.52	25	Pass
10C 120V	ac40	5510	Ant1	5510	0	0	25	Pass
30C 120V	ac40	5510	Ant1	5509.92	-80000	-14.52	25	Pass
40C 120V	ac40	5510	Ant1	5510	0	0	25	Pass
50C 120V	ac40	5510	Ant1	5509.96	-40000	-7.26	25	Pass



20C 102V	ac40	5670	Ant1	5669.92	-80000	-14.11	25	Pass
20C 120V	ac40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
20C 138V	ac40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
-20C 120V	ac40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
-10C 120V	ac40	5670	Ant1	5670	0	0	25	Pass
0C 120V	ac40	5670	Ant1	5669.92	-80000	-14.11	25	Pass
10C 120V	ac40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
30C 120V	ac40	5670	Ant1	5670	0	0	25	Pass
40C 120V	ac40	5670	Ant1	5669.96	-40000	-7.05	25	Pass
50C 120V	ac40	5670	Ant1	5669.92	-80000	-14.11	25	Pass
20C 102V	ac80	5210	Ant1	5210	0	0	25	Pass
20C 120V	ac80	5210	Ant1	5209.84	-160000	-30.71	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	5209.92	-80000	-15.36	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	5209.92	-80000	-15.36	25	Pass
50C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
20C 102V	ac80	5530	Ant1	5530	0	0	25	Pass
20C 120V	ac80	5530	Ant1	5530	0	0	25	Pass
20C 138V	ac80	5530	Ant1	5530	0	0	25	Pass
-20C 120V	ac80	5530	Ant1	5530	0	0	25	Pass
-10C 120V	ac80	5530	Ant1	5530	0	0	25	Pass
0C 120V	ac80	5530	Ant1	5529.92	-80000	-14.47	25	Pass
10C 120V	ac80	5530	Ant1	5529.92	-80000	-14.47	25	Pass
30C 120V	ac80	5530	Ant1	5530	0	0	25	Pass
40C 120V	ac80	5530	Ant1	5530	0	0	25	Pass
50C 120V	ac80	5530	Ant1	5529.92	-80000	-14.47	25	Pass
20C 102V	ac80	5610	Ant1	5609.92	-80000	-14.26	25	Pass
20C 120V	ac80	5610	Ant1	5610	0	0	25	Pass
20C 138V	ac80	5610	Ant1	5610	0	0	25	Pass
-20C 120V	ac80	5610	Ant1	5610	0	0	25	Pass
-10C 120V	ac80	5610	Ant1	5609.92	-80000	-14.26	25	Pass
0C 120V	ac80	5610	Ant1	5609.92	-80000	-14.26	25	Pass
10C 120V	ac80	5610	Ant1	5610	0	0	25	Pass
30C 120V	ac80	5610	Ant1	5609.92	-80000	-14.26	25	Pass
40C 120V	ac80	5610	Ant1	5609.76	-240000	-42.78	25	Pass
50C 120V	ac80	5610	Ant1	5610	0	0	25	Pass

Remark:

Ant1 and Ant2 have been tested, found worst case is Ant1, only record the worst case results in this report.



## 7 Conducted RF Spurious Emission

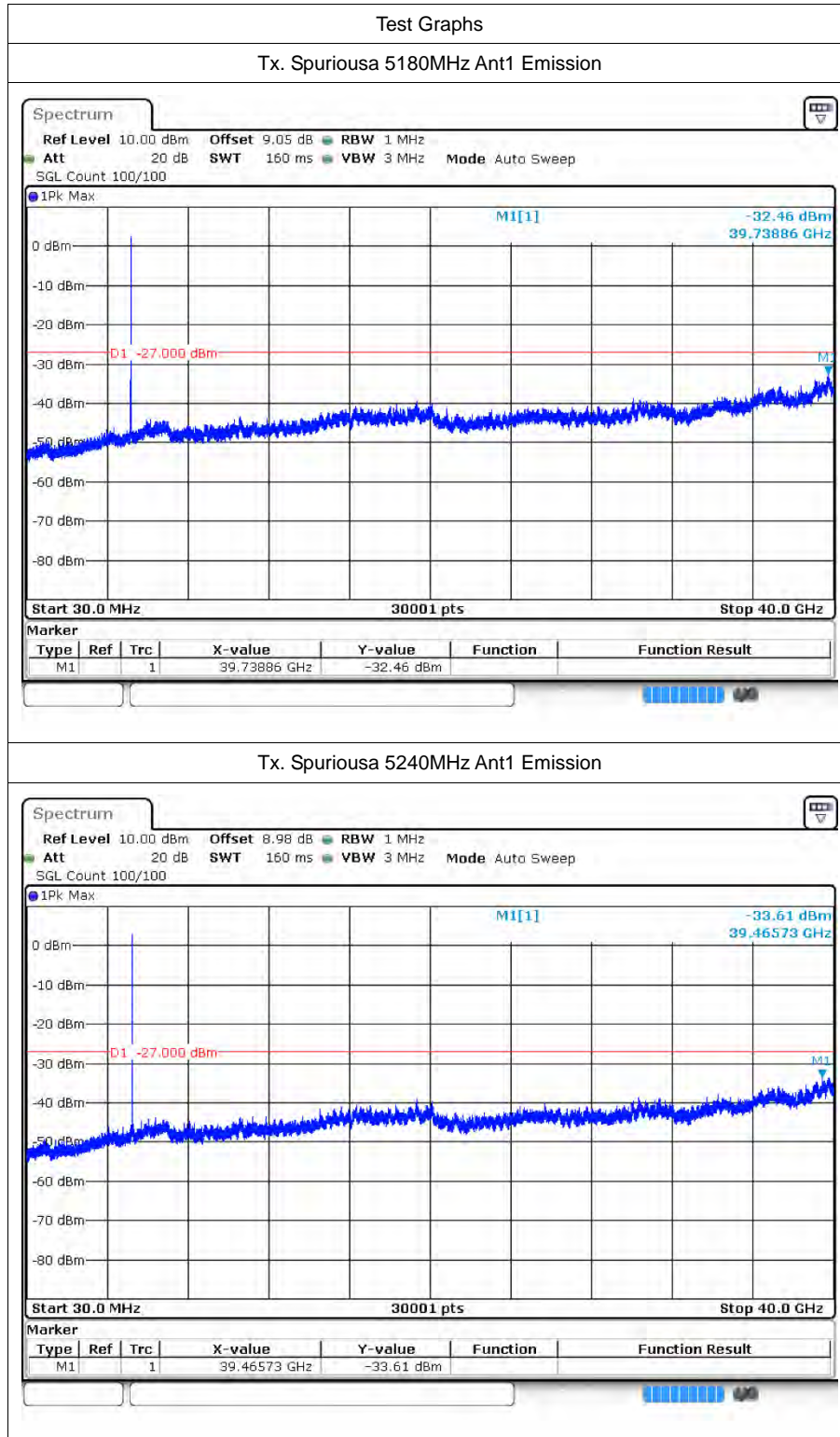
### 7.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
a	5180	Ant1	-32.45	-27	Pass
a	5240	Ant1	-33.6	-27	Pass
a	5280	Ant1	-33.28	-27	Pass
a	5320	Ant1	-33.44	-27	Pass
a	5500	Ant1	-31.85	-27	Pass
a	5700	Ant1	-32.8	-27	Pass
n20	5180	Ant1	-32.98	-27	Pass
n20	5240	Ant1	-32.97	-27	Pass
n20	5280	Ant1	-33.39	-27	Pass
n20	5320	Ant1	-32.95	-27	Pass
n20	5500	Ant1	-33.49	-27	Pass
n20	5700	Ant1	-33.17	-27	Pass
n40	5190	Ant1	-33.18	-27	Pass
n40	5310	Ant1	-33.4	-27	Pass
n40	5510	Ant1	-32.8	-27	Pass
n40	5670	Ant1	-33.25	-27	Pass
ac20	5180	Ant1	-32.89	-27	Pass
ac20	5240	Ant1	-32.94	-27	Pass
ac20	5280	Ant1	-32.33	-27	Pass
ac20	5320	Ant1	-33.54	-27	Pass
ac20	5500	Ant1	-32.75	-27	Pass
ac20	5700	Ant1	-32.03	-27	Pass
ac40	5190	Ant1	-32.4	-27	Pass
ac40	5310	Ant1	-32.75	-27	Pass
ac40	5510	Ant1	-33	-27	Pass
ac40	5670	Ant1	-32.63	-27	Pass
ac80	5210	Ant1	-32.9	-27	Pass
ac80	5530	Ant1	-32.92	-27	Pass
ac80	5610	Ant1	-33.41	-27	Pass

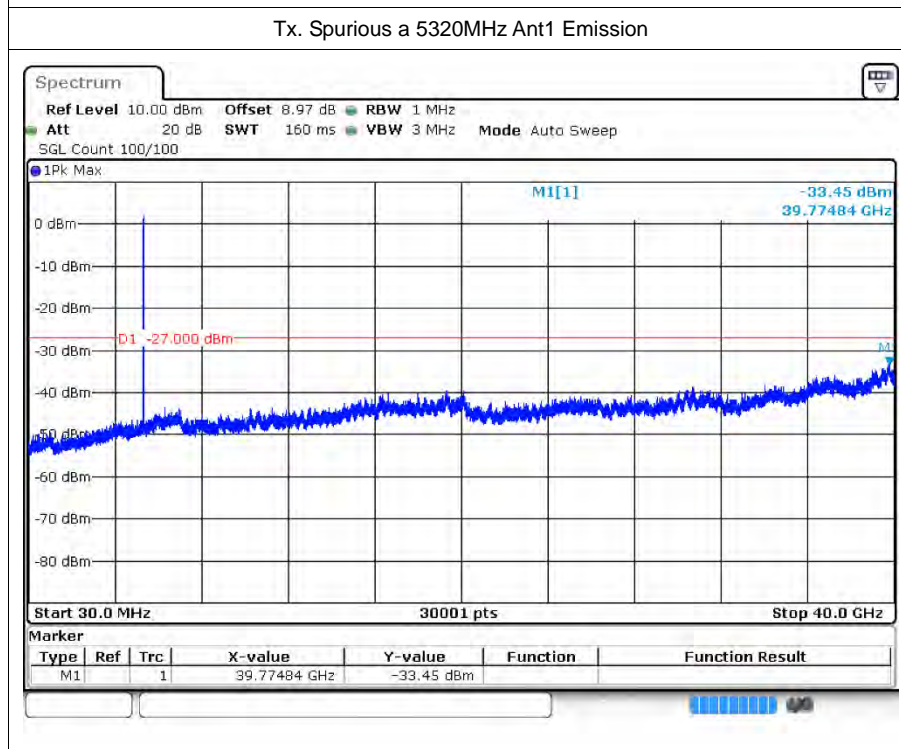
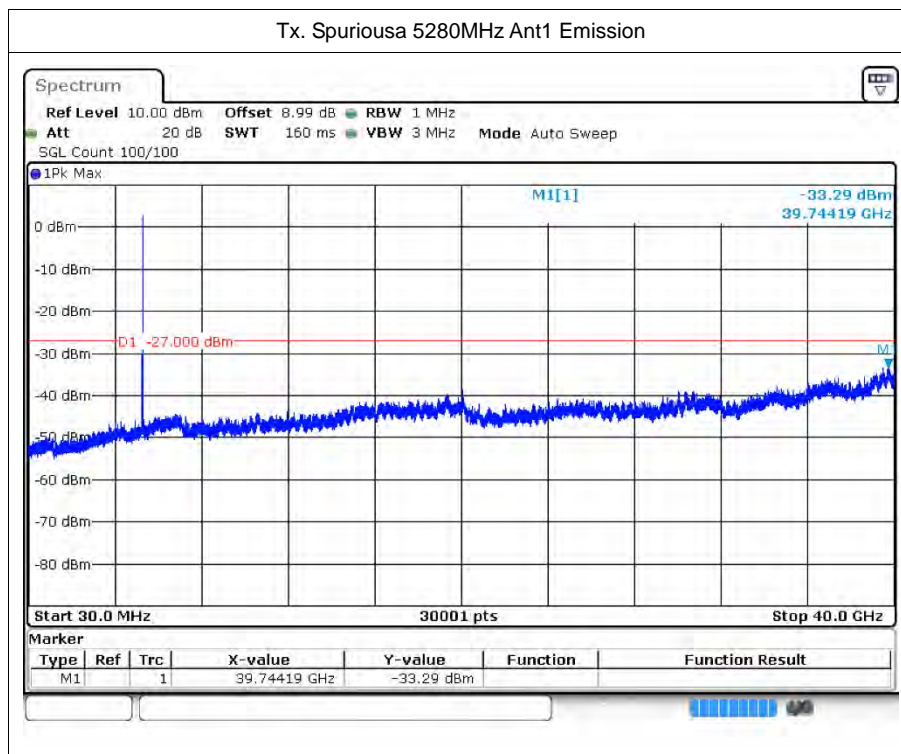
Remark:

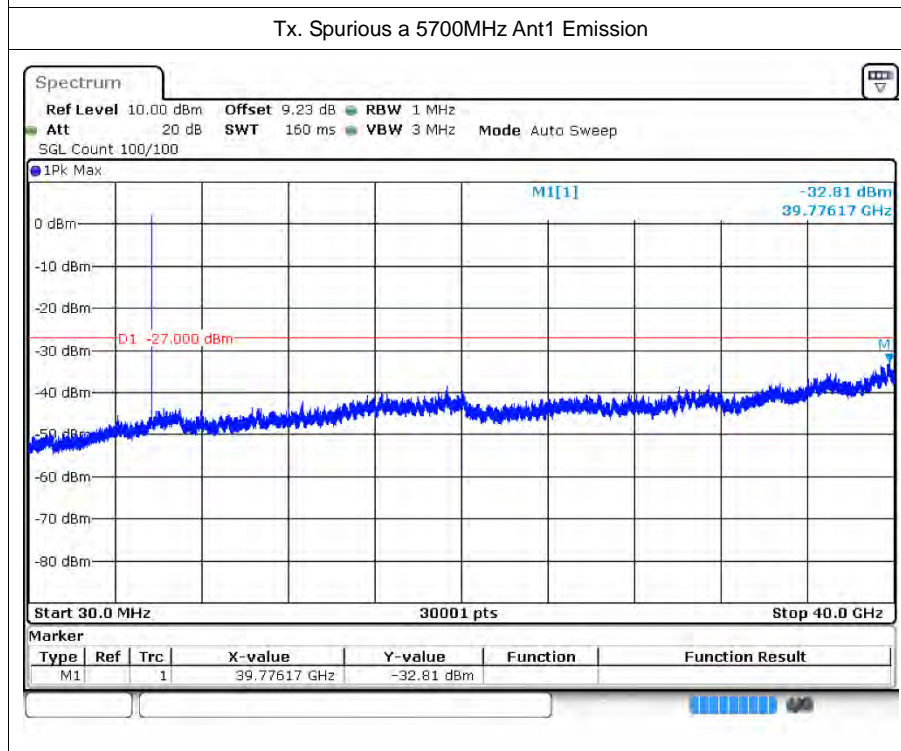
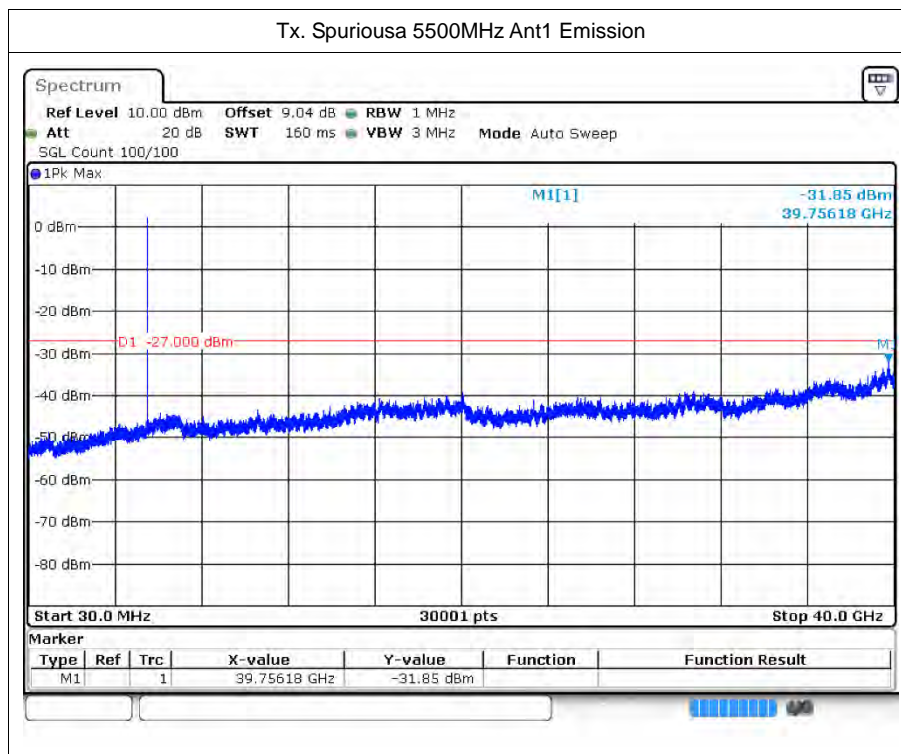
Ant1 and Ant2 have been tested, found worst case is Ant1, only record the worst case results in this report.

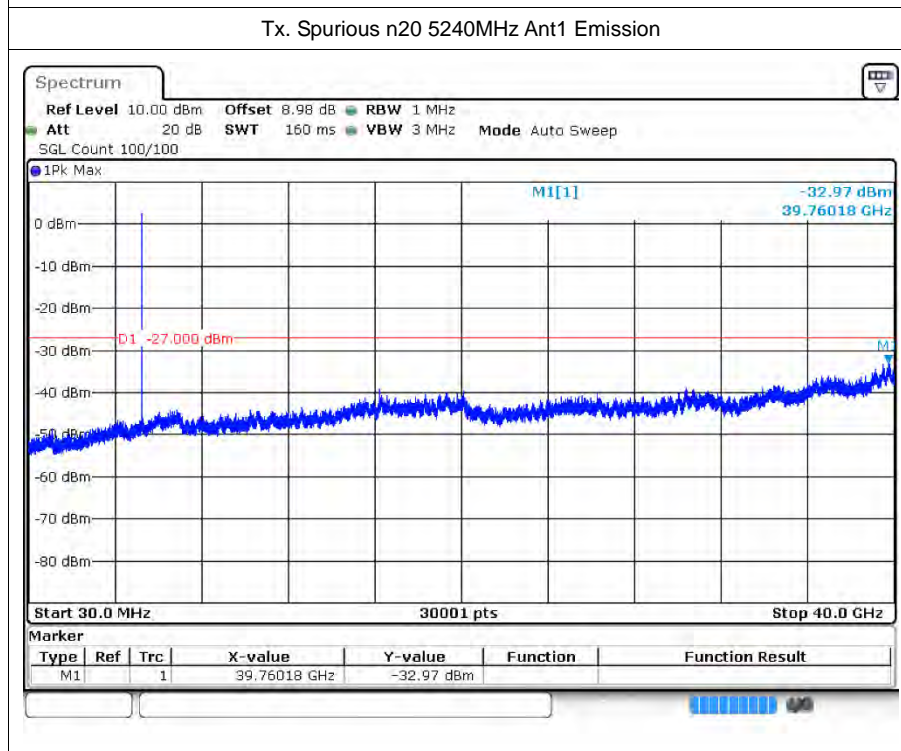
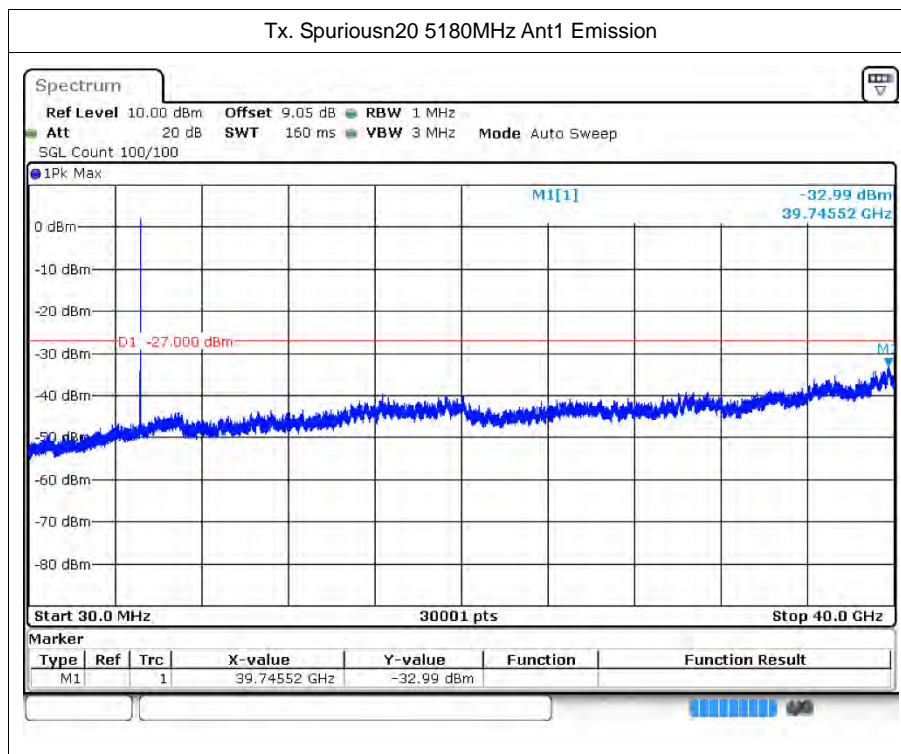
## 7.2 Test Graphs



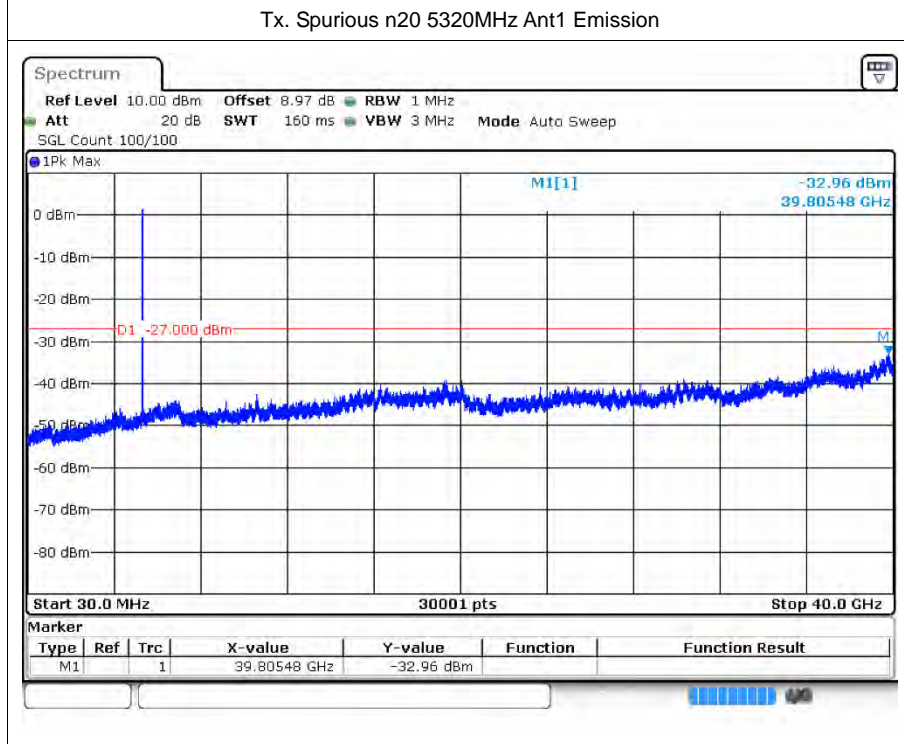
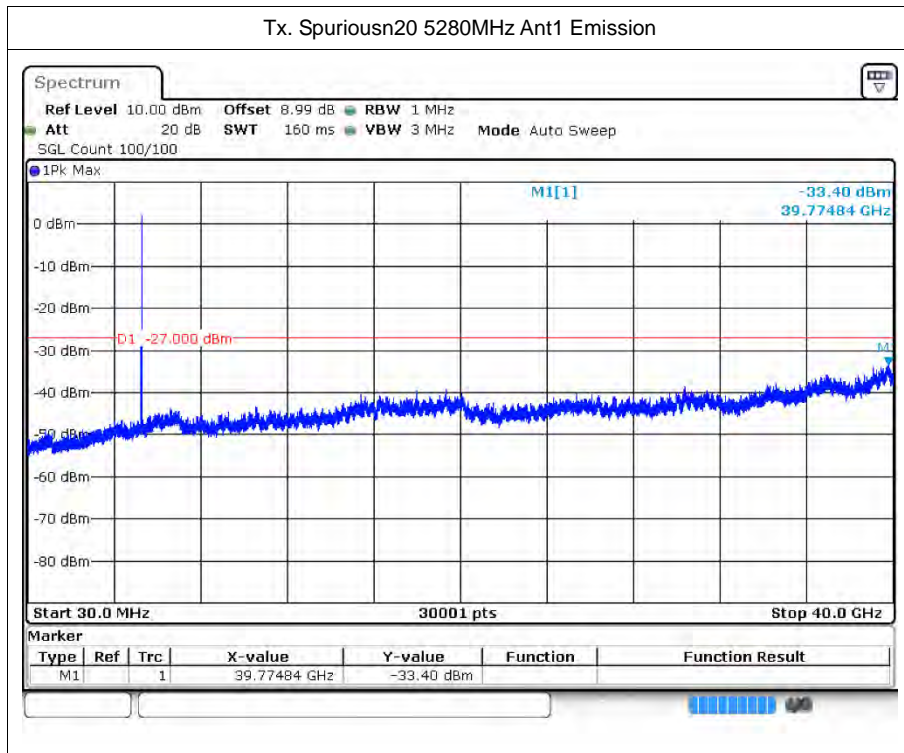
Tx. Spuriousa 5240MHz Ant1 Emission

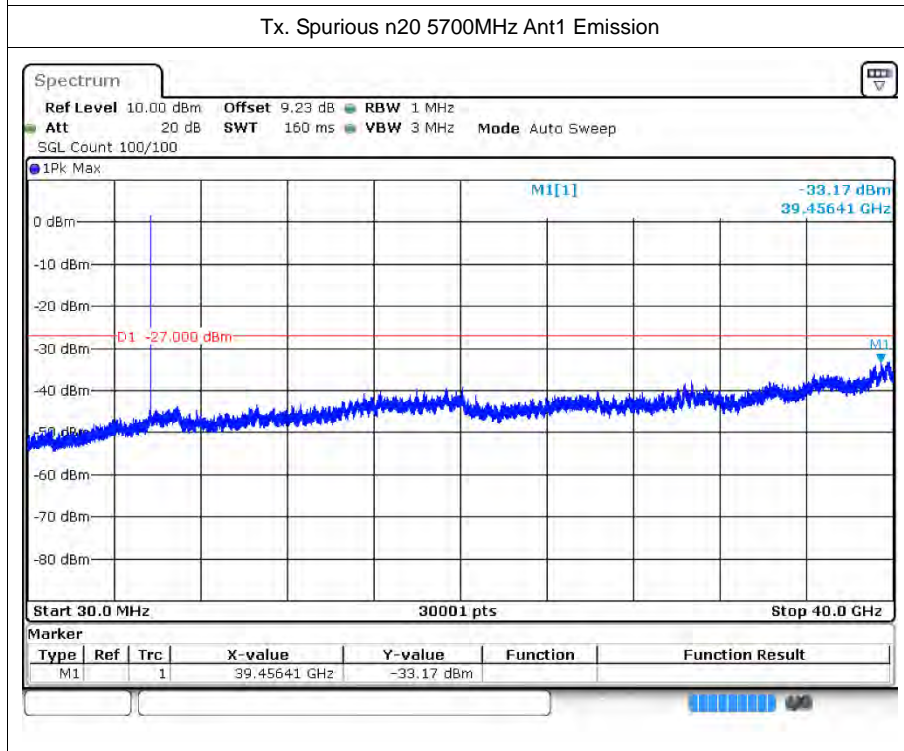
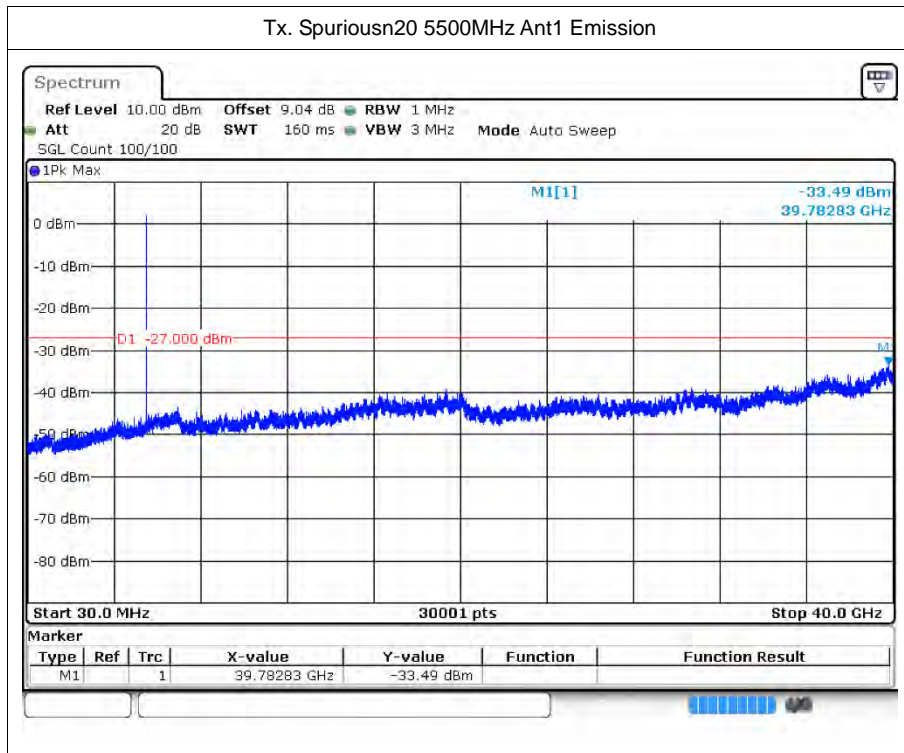


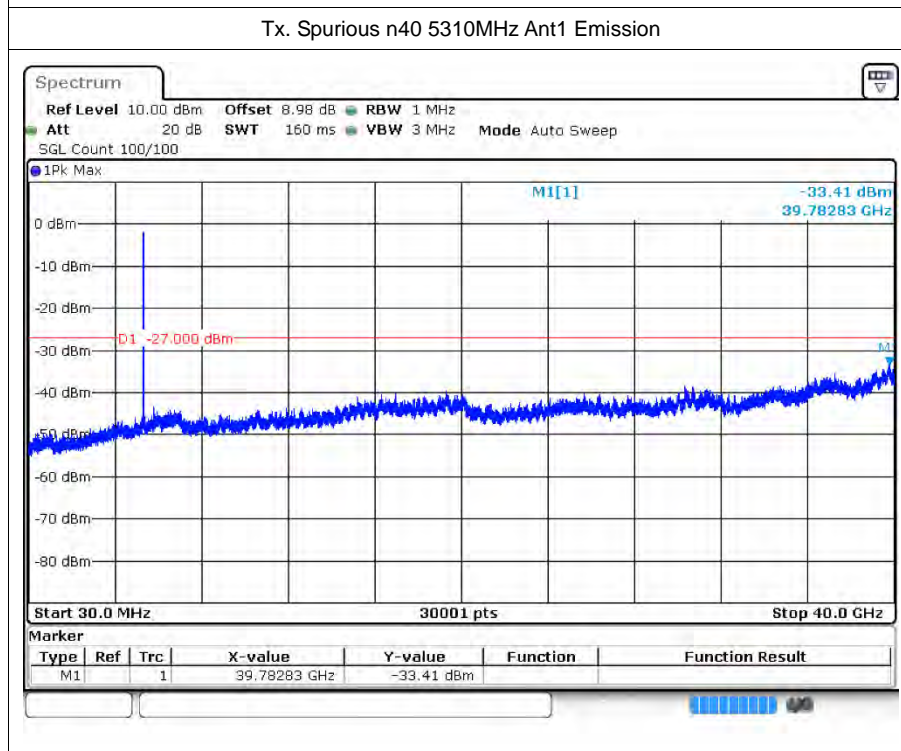
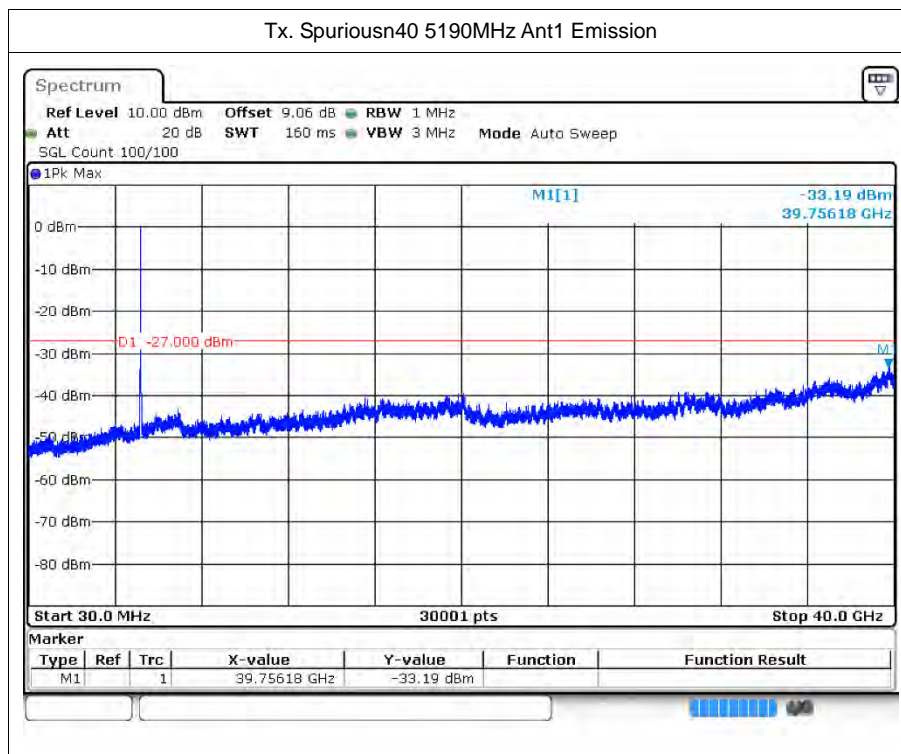


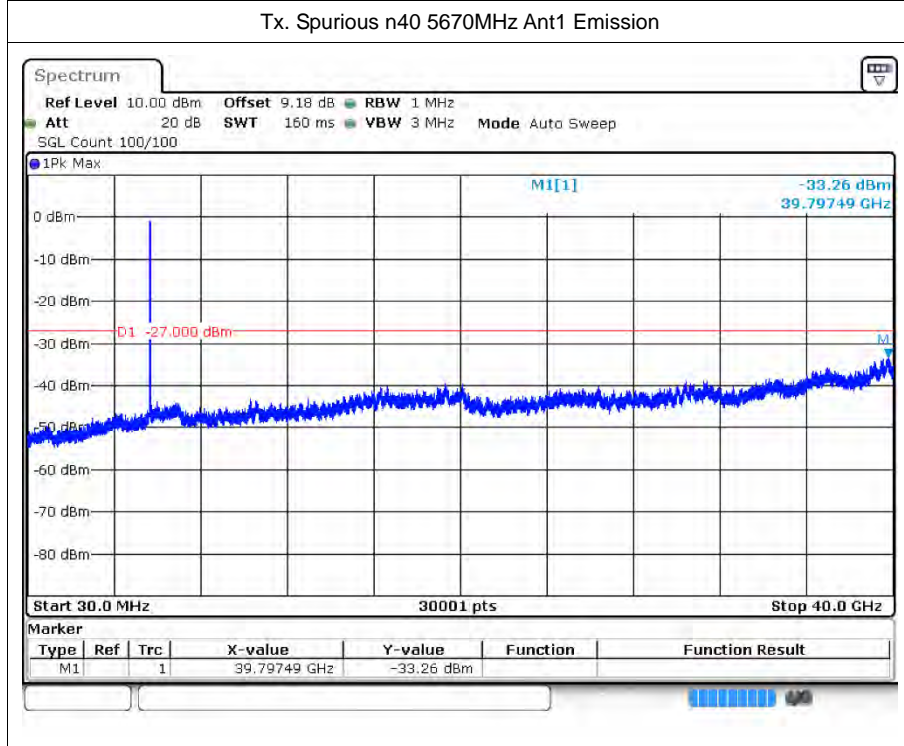
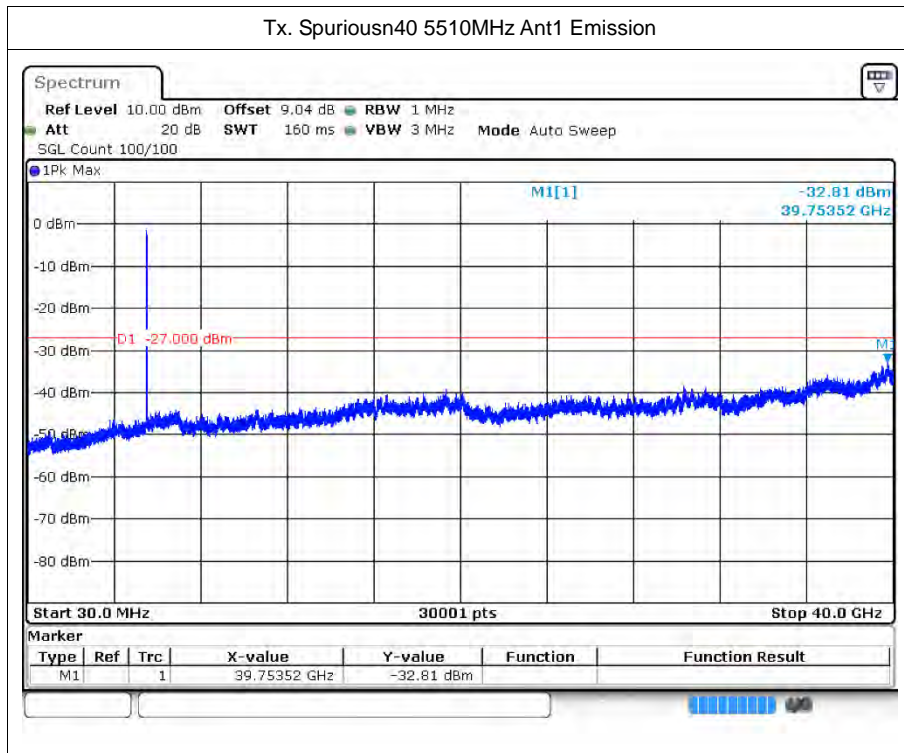


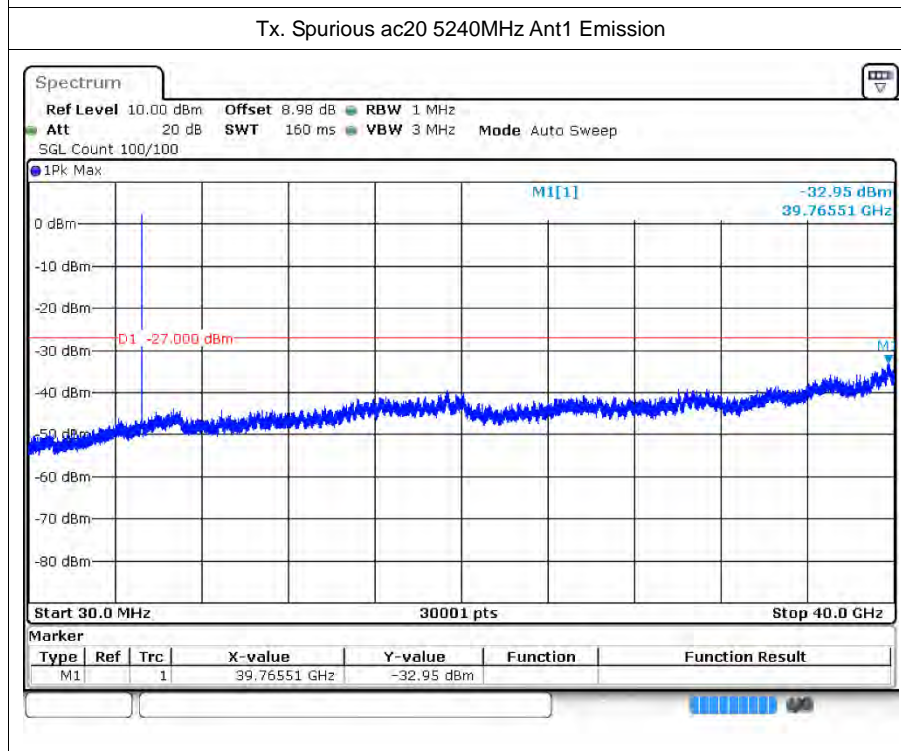
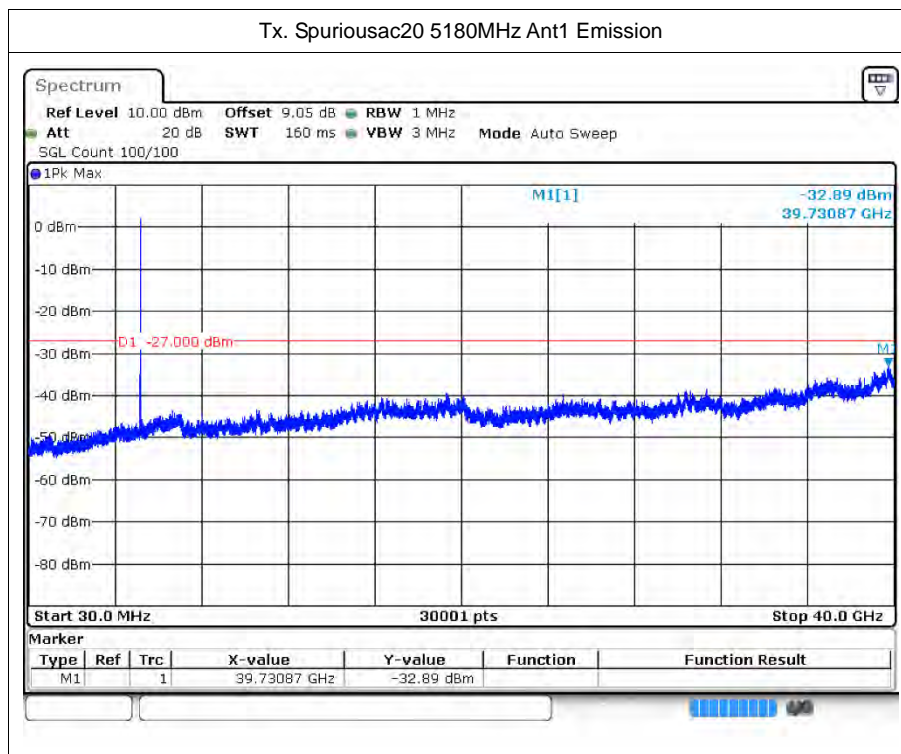


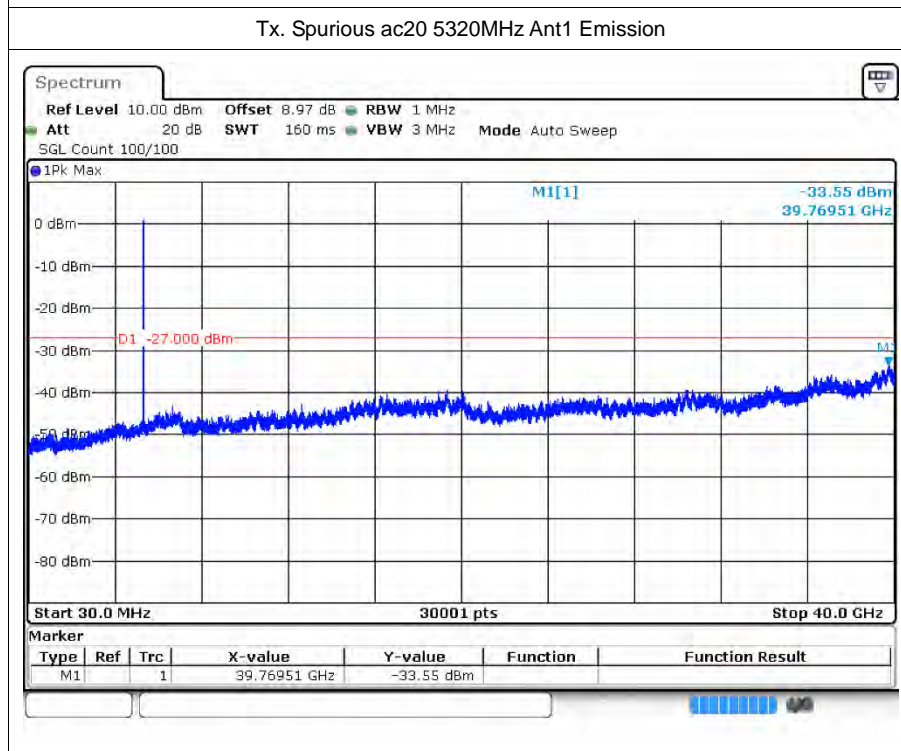
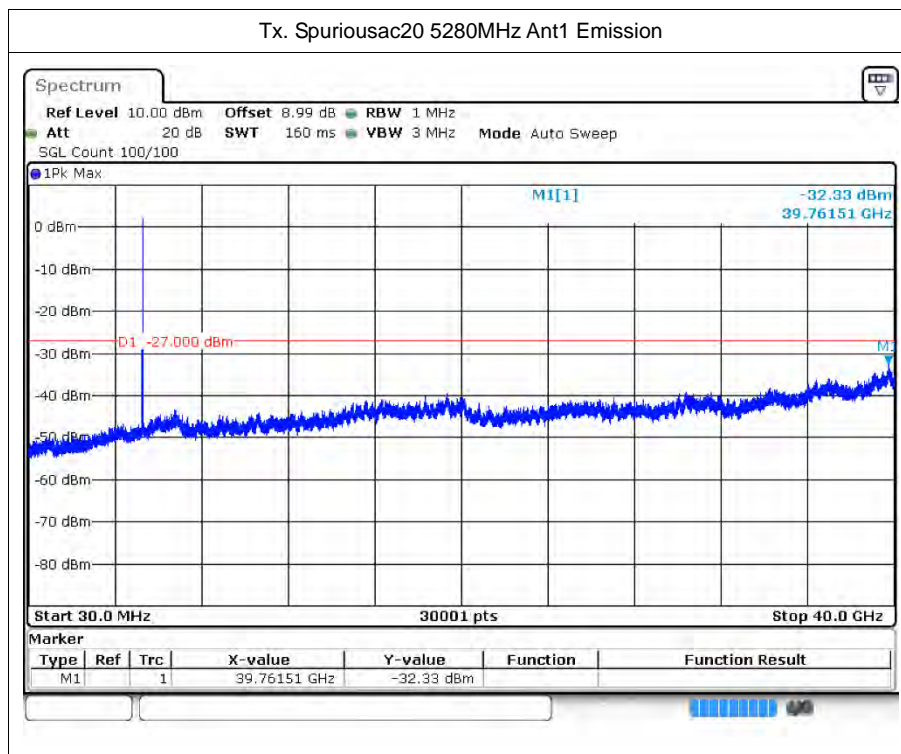


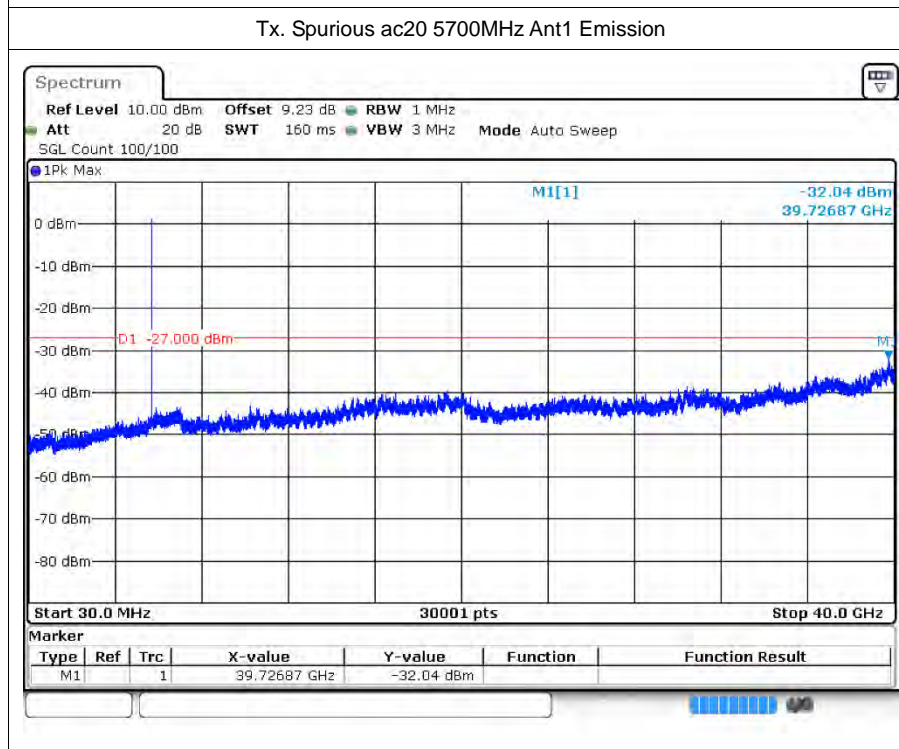
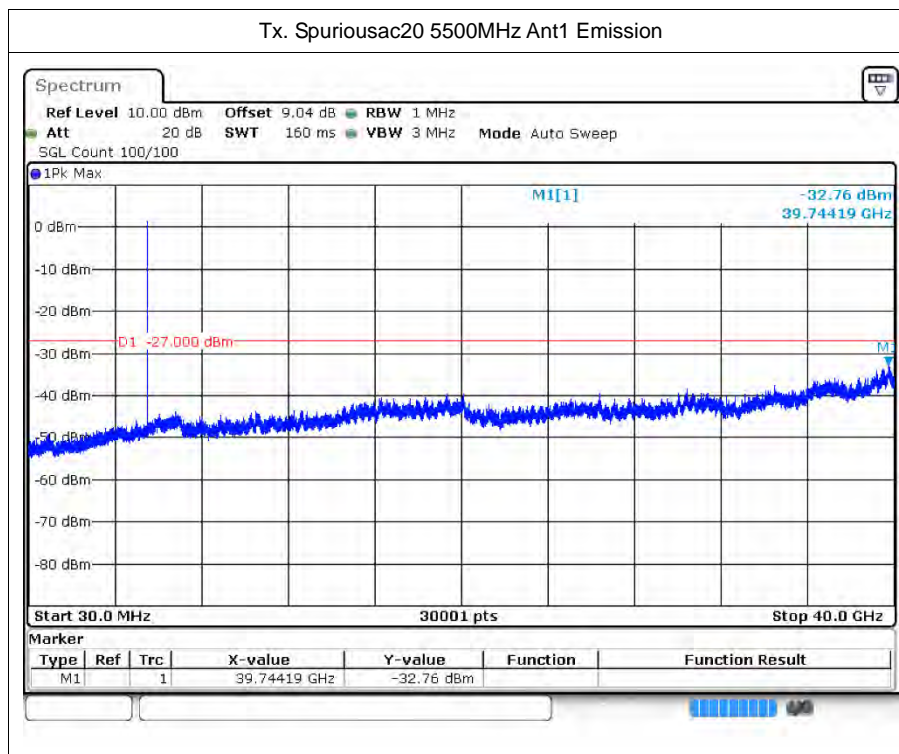


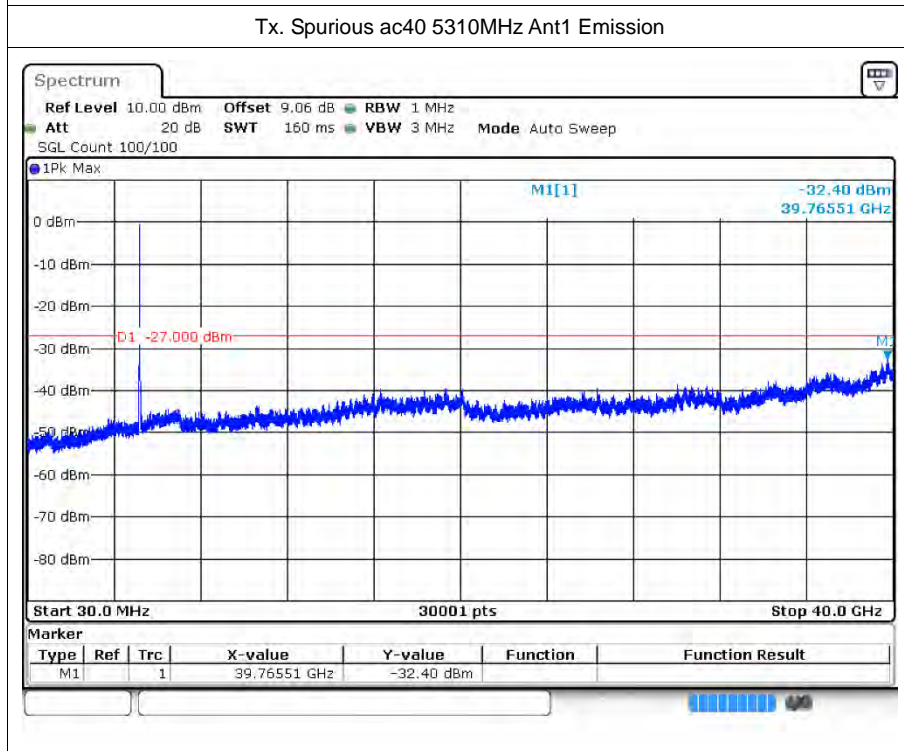
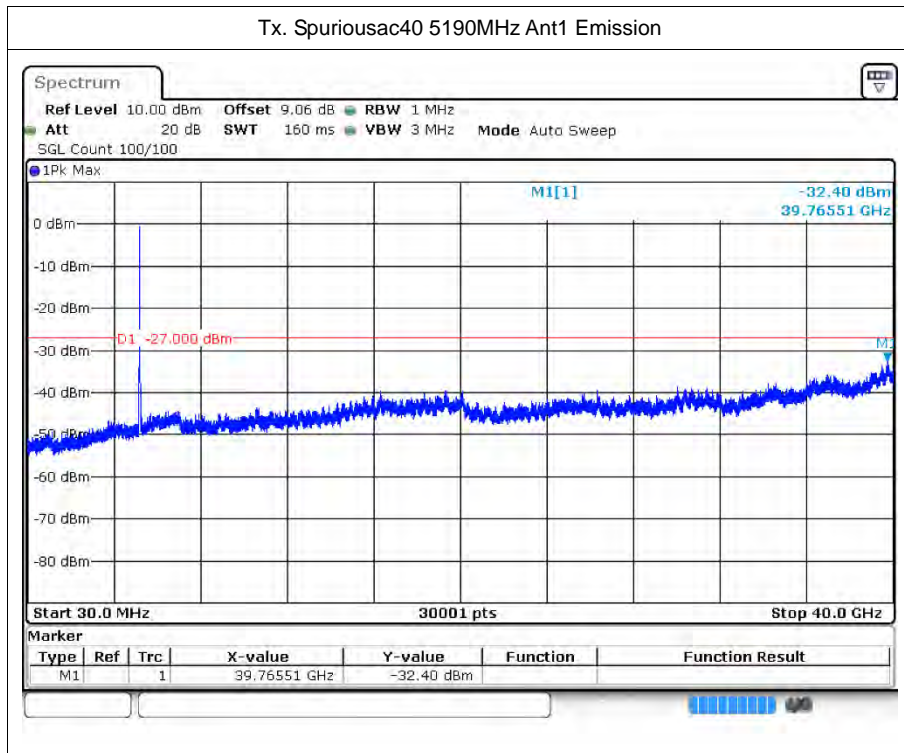




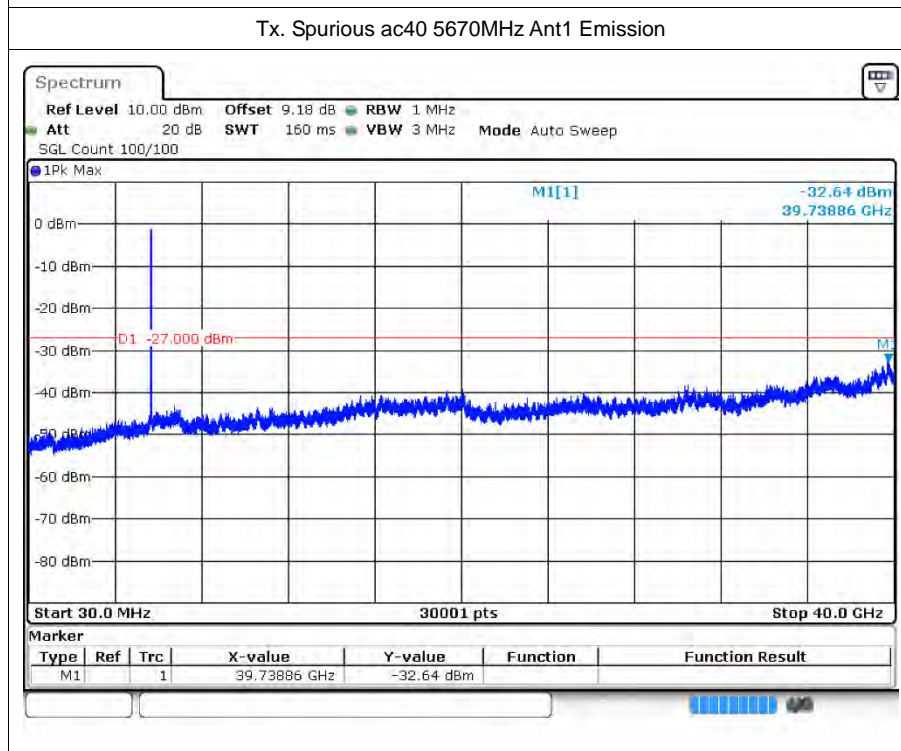
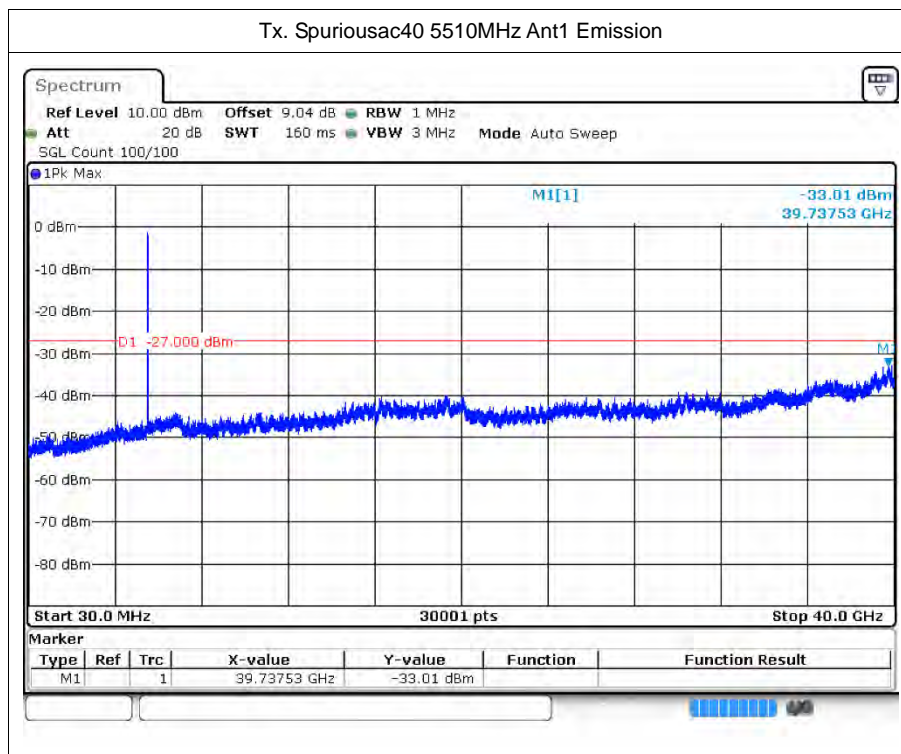


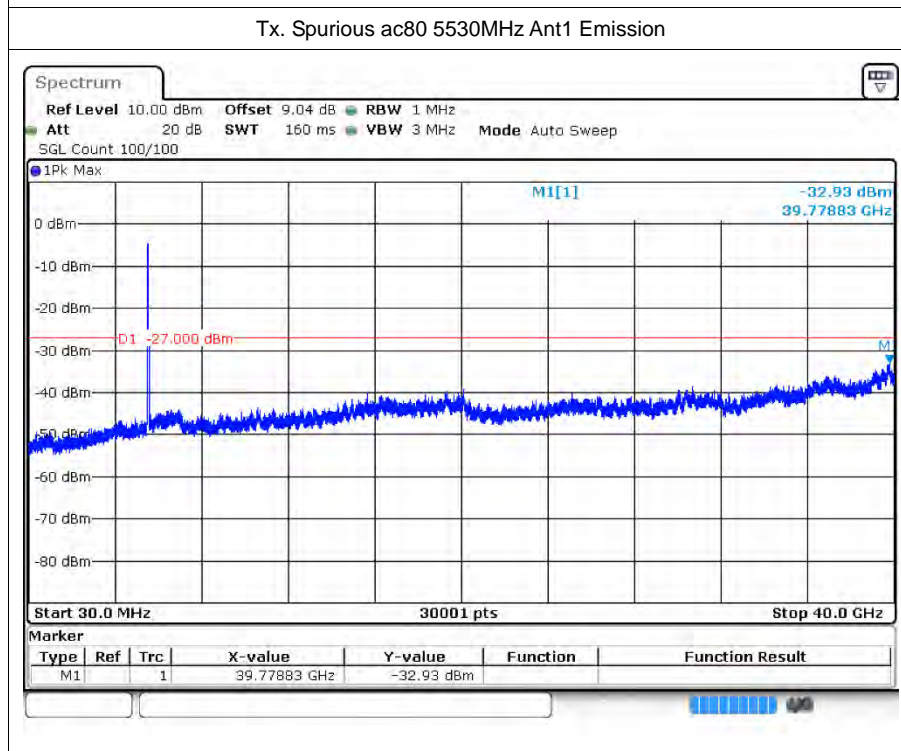
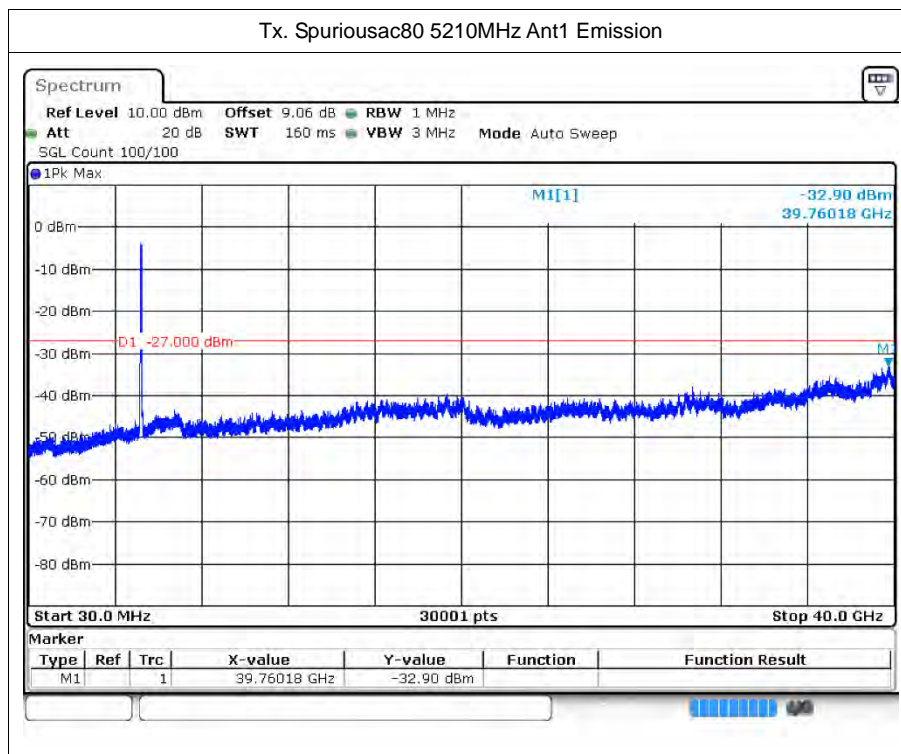


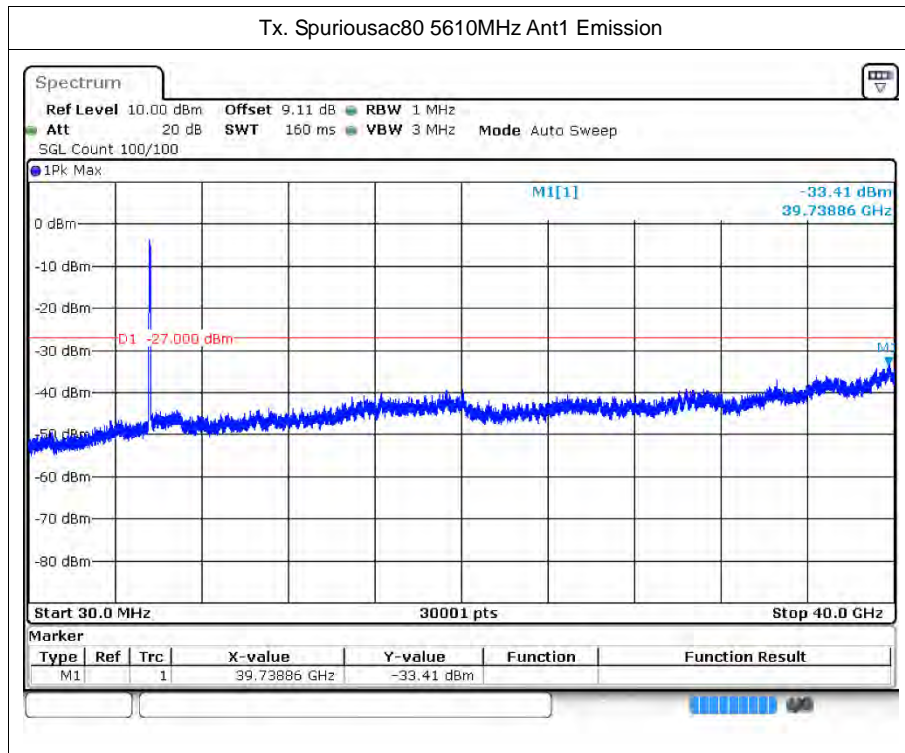














## 8 Restrict Band

### 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	-41.52	4.39	58.1	Peak	68.2	Pass
a	5180	Ant1	4500	-49.75	4.39	49.87	Average	54	Pass
a	5180	Ant1	4778.6	-37.27	4.39	62.35	Peak	68.2	Pass
a	5180	Ant1	4964.1	-46.73	4.39	52.89	Average	54	Pass
a	5180	Ant1	5150	-39.54	4.39	60.08	Peak	68.2	Pass
a	5180	Ant1	5150	-48.51	4.39	51.11	Average	54	Pass
a	5240	Ant1	5350	-42.36	4.39	57.26	Peak	68.2	Pass
a	5240	Ant1	5350	-49.43	4.39	50.19	Average	54	Pass
a	5240	Ant1	5446.56	-37.47	4.39	62.15	Peak	68.2	Pass
a	5240	Ant1	5449.2	-46.99	4.39	52.63	Average	54	Pass
a	5240	Ant1	5460	-40.85	4.39	58.77	Peak	68.2	Pass
a	5240	Ant1	5460	-48.72	4.39	50.9	Average	54	Pass
a	5280	Ant1	4500	-38.77	4.39	60.85	Peak	68.2	Pass
a	5280	Ant1	4500	-49.58	4.39	50.04	Average	54	Pass
a	5280	Ant1	4842.4	-37.32	4.39	62.3	Peak	68.2	Pass
a	5280	Ant1	4964	-46.93	4.39	52.69	Average	54	Pass
a	5280	Ant1	5150	-40.55	4.39	59.07	Peak	68.2	Pass
a	5280	Ant1	5150	-48.81	4.39	50.81	Average	54	Pass
a	5320	Ant1	5350	-41.96	4.39	57.66	Peak	68.2	Pass
a	5320	Ant1	5350	-49.48	4.39	50.14	Average	54	Pass
a	5320	Ant1	5357	-38.43	4.39	61.19	Peak	68.2	Pass
a	5320	Ant1	5448.8	-47.33	4.39	52.29	Average	54	Pass
a	5320	Ant1	5460	-42.83	4.39	56.79	Peak	68.2	Pass
a	5320	Ant1	5460	-49.21	4.39	50.41	Average	54	Pass
a	5500	Ant1	5460	-39.43	4.39	60.19	Peak	68.2	Pass
a	5500	Ant1	5460	-48.05	4.39	51.57	Average	54	Pass
a	5500	Ant1	5460.4	-39.01	4.39	60.61	Peak	68.2	Pass
a	5500	Ant1	5463.4	-47.66	4.39	51.96	Average	54	Pass
a	5500	Ant1	5470	-40.93	4.39	58.69	Peak	68.2	Pass
a	5500	Ant1	5470	-48.69	4.39	50.93	Average	54	Pass
a	5700	Ant1	5725	-48.87	4.39	50.75	Peak	68.2	Pass
a	5700	Ant1	5725	-57.3	4.39	42.32	Average	54	Pass
a	5700	Ant1	5730.2	-47.24	4.39	52.38	Peak	68.2	Pass
a	5700	Ant1	5732.4	-56.5	4.39	43.12	Average	54	Pass
a	5700	Ant1	5735	-49.73	4.39	49.89	Peak	68.2	Pass



a	5700	Ant1	5735	-57.9	4.39	41.72	Average	54	Pass
n20	5180	Ant1	4500	-41	4.39	58.62	Peak	68.2	Pass
n20	5180	Ant1	4500	-50.06	4.39	49.56	Average	54	Pass
n20	5180	Ant1	4977.4	-37.21	4.39	62.41	Peak	68.2	Pass
n20	5180	Ant1	4962.7	-47.09	4.39	52.53	Average	54	Pass
n20	5180	Ant1	5150	-38.61	4.39	61.01	Peak	68.2	Pass
n20	5180	Ant1	5150	-49.36	4.39	50.26	Average	54	Pass
n20	5240	Ant1	5350	-41.8	4.39	57.82	Peak	68.2	Pass
n20	5240	Ant1	5350	-49.57	4.39	50.05	Average	54	Pass
n20	5240	Ant1	5448.72	-37.62	4.39	62	Peak	68.2	Pass
n20	5240	Ant1	5447.52	-47.6	4.39	52.02	Average	54	Pass
n20	5240	Ant1	5460	-41.6	4.39	58.02	Peak	68.2	Pass
n20	5240	Ant1	5460	-48.95	4.39	50.67	Average	54	Pass
n20	5280	Ant1	4500	-40.34	4.39	59.28	Peak	68.2	Pass
n20	5280	Ant1	4500	-50.16	4.39	49.46	Average	54	Pass
n20	5280	Ant1	4530.4	-37.38	4.39	62.24	Peak	68.2	Pass
n20	5280	Ant1	4967.2	-47.25	4.39	52.37	Average	54	Pass
n20	5280	Ant1	5150	-38.71	4.39	60.91	Peak	68.2	Pass
n20	5280	Ant1	5150	-49.53	4.39	50.09	Average	54	Pass
n20	5320	Ant1	5350	-41.78	4.39	57.84	Peak	68.2	Pass
n20	5320	Ant1	5350	-49.55	4.39	50.07	Average	54	Pass
n20	5320	Ant1	5387.8	-37.62	4.39	62	Peak	68.2	Pass
n20	5320	Ant1	5448.4	-47.17	4.39	52.45	Average	54	Pass
n20	5320	Ant1	5460	-42.35	4.39	57.27	Peak	68.2	Pass
n20	5320	Ant1	5460	-49.61	4.39	50.01	Average	54	Pass
n20	5500	Ant1	5460	-38.9	4.39	60.72	Peak	68.2	Pass
n20	5500	Ant1	5460	-48.19	4.39	51.43	Average	54	Pass
n20	5500	Ant1	5463	-38.78	4.39	60.84	Peak	68.2	Pass
n20	5500	Ant1	5460.4	-48	4.39	51.62	Average	54	Pass
n20	5500	Ant1	5470	-41.82	4.39	57.8	Peak	68.2	Pass
n20	5500	Ant1	5470	-49.43	4.39	50.19	Average	54	Pass
n20	5700	Ant1	5725	-39.77	4.39	59.85	Peak	68.2	Pass
n20	5700	Ant1	5725	-48.07	4.39	51.55	Average	54	Pass
n20	5700	Ant1	5729.4	-37.87	4.39	61.75	Peak	68.2	Pass
n20	5700	Ant1	5728.8	-47.26	4.39	52.36	Average	54	Pass
n20	5700	Ant1	5735	-39.79	4.39	59.83	Peak	68.2	Pass
n20	5700	Ant1	5735	-48.26	4.39	51.36	Average	54	Pass
n40	5190	Ant1	4500	-38.89	4.39	60.73	Peak	68.2	Pass
n40	5190	Ant1	4500	-49.42	4.39	50.2	Average	54	Pass
n40	5190	Ant1	4944.57	-36.51	4.39	63.11	Peak	68.2	Pass
n40	5190	Ant1	4964.28	-46.9	4.39	52.72	Average	54	Pass
n40	5190	Ant1	5150	-39.83	4.39	59.79	Peak	68.2	Pass
n40	5190	Ant1	5150	-49.29	4.39	50.33	Average	54	Pass



n40	5310	Ant1	5350	-51.68	4.39	47.94	Peak	68.2	Pass
n40	5310	Ant1	5350	-54.17	4.39	45.45	Average	54	Pass
n40	5310	Ant1	5397.6	-47.99	4.39	51.63	Peak	68.2	Pass
n40	5310	Ant1	5445.6	-51.49	4.39	48.13	Average	54	Pass
n40	5310	Ant1	5460	-51.39	4.39	48.23	Peak	68.2	Pass
n40	5310	Ant1	5460	-55.56	4.39	44.06	Average	54	Pass
n40	5510	Ant1	5460	-49.6	4.39	50.02	Peak	68.2	Pass
n40	5510	Ant1	5460	-53.71	4.39	45.91	Average	54	Pass
n40	5510	Ant1	5468.6	-48.74	4.39	50.88	Peak	68.2	Pass
n40	5510	Ant1	-53.19	-53.19	4.39	46.43	Average	54	Pass
n40	5510	Ant1	5470	-52.24	4.39	47.38	Peak	68.2	Pass
n40	5510	Ant1	5470	-54.44	4.39	45.18	Average	54	Pass
n40	5670	Ant1	5725	-42.29	4.39	57.33	Peak	68.2	Pass
n40	5670	Ant1	5725	-48.04	4.39	51.58	Average	54	Pass
n40	5670	Ant1	5732	-37.18	4.39	62.44	Peak	68.2	Pass
n40	5670	Ant1	5734.4	-47.86	4.39	51.76	Average	54	Pass
n40	5670	Ant1	-39.73	-39.73	4.39	59.89	Peak	68.2	Pass
n40	5670	Ant1	5735	-47.96	4.39	51.66	Average	54	Pass
ac20	5180	Ant1	4500	-41.24	4.39	58.38	Peak	68.2	Pass
ac20	5180	Ant1	4500	-49.54	4.39	50.08	Average	54	Pass
ac20	5180	Ant1	4563.7	-36.63	4.39	62.99	Peak	68.2	Pass
ac20	5180	Ant1	5033.4	-46.82	4.39	52.8	Average	54	Pass
ac20	5180	Ant1	5150	-40.08	4.39	59.54	Peak	68.2	Pass
ac20	5180	Ant1	5150	-48.9	4.39	50.72	Average	54	Pass
ac20	5240	Ant1	5350	-41.02	4.39	58.6	Peak	68.2	Pass
ac20	5240	Ant1	5350	-49.68	4.39	49.94	Average	54	Pass
ac20	5240	Ant1	5395.44	-37.9	4.39	61.72	Peak	68.2	Pass
ac20	5240	Ant1	5446.56	-47.3	4.39	52.32	Average	54	Pass
ac20	5240	Ant1	5460	-41.08	4.39	58.54	Peak	68.2	Pass
ac20	5240	Ant1	5460	-48.24	4.39	51.38	Average	54	Pass
ac20	5280	Ant1	4500	-41.16	4.39	58.46	Peak	68.2	Pass
ac20	5280	Ant1	4500	-49.22	4.39	50.4	Average	54	Pass
ac20	5280	Ant1	4600.8	-37.92	4.39	61.7	Peak	68.2	Pass
ac20	5280	Ant1	4964	-46.37	4.39	53.25	Average	54	Pass
ac20	5280	Ant1	5150	-39.11	4.39	60.51	Peak	68.2	Pass
ac20	5280	Ant1	5150	-49.41	4.39	50.21	Average	54	Pass
ac20	5320	Ant1	5350	-42.39	4.39	57.23	Peak	68.2	Pass
ac20	5320	Ant1	5350	-49.02	4.39	50.6	Average	54	Pass
ac20	5320	Ant1	5448.6	-37.88	4.39	61.74	Peak	68.2	Pass
ac20	5320	Ant1	5448.2	-46.93	4.39	52.69	Average	54	Pass
ac20	5320	Ant1	5460	-42.07	4.39	57.55	Peak	68.2	Pass
ac20	5320	Ant1	5460	-49.47	4.39	50.15	Average	54	Pass
ac20	5500	Ant1	5460	-41.66	4.39	57.96	Peak	68.2	Pass



ac20	5500	Ant1	5460	-48.02	4.39	51.6	Average	54	Pass
ac20	5500	Ant1	5464.6	-38.43	4.39	61.19	Peak	68.2	Pass
ac20	5500	Ant1	5461.8	-47.22	4.39	52.4	Average	54	Pass
ac20	5500	Ant1	5470	-41.46	4.39	58.16	Peak	68.2	Pass
ac20	5500	Ant1	5470	-49.13	4.39	50.49	Average	54	Pass
ac20	5700	Ant1	5725	-40.07	4.39	59.55	Peak	68.2	Pass
ac20	5700	Ant1	5725	-47.46	4.39	52.16	Average	54	Pass
ac20	5700	Ant1	5732.8	-38.76	4.39	60.86	Peak	68.2	Pass
ac20	5700	Ant1	5732.4	-47.04	4.39	52.58	Average	54	Pass
ac20	5700	Ant1	5735	-40.05	4.39	59.57	Peak	68.2	Pass
ac20	5700	Ant1	5735	-47.29	4.39	52.33	Average	54	Pass
ac40	5190	Ant1	4500	-39.57	4.39	60.05	Peak	68.2	Pass
ac40	5190	Ant1	4500	-49.2	4.39	50.42	Average	54	Pass
ac40	5190	Ant1	4967.93	-36.5	4.39	63.12	Peak	68.2	Pass
ac40	5190	Ant1	4966.47	-46.55	4.39	53.07	Average	54	Pass
ac40	5190	Ant1	5150	-39.65	4.39	59.97	Peak	68.2	Pass
ac40	5190	Ant1	5150	-49.35	4.39	50.27	Average	54	Pass
ac40	5310	Ant1	5350	-42.67	4.39	56.95	Peak	68.2	Pass
ac40	5310	Ant1	5350	-49.57	4.39	50.05	Average	54	Pass
ac40	5310	Ant1	5405.4	-37.73	4.39	61.89	Peak	68.2	Pass
ac40	5310	Ant1	5395.4	-48.25	4.39	51.37	Average	54	Pass
ac40	5310	Ant1	5460	-41.91	4.39	57.71	Peak	68.2	Pass
ac40	5310	Ant1	5460	-48.88	4.39	50.74	Average	54	Pass
ac40	5510	Ant1	5460	-42.14	4.39	57.48	Peak	68.2	Pass
ac40	5510	Ant1	5460	-48.97	4.39	50.65	Average	54	Pass
ac40	5510	Ant1	5465.8	-39.4	4.39	60.22	Peak	68.2	Pass
ac40	5510	Ant1	-48.52	-48.52	4.39	51.1	Average	54	Pass
ac40	5510	Ant1	5470	-42.34	4.39	57.28	Peak	68.2	Pass
ac40	5510	Ant1	5470	-49.33	4.39	50.29	Average	54	Pass
ac40	5670	Ant1	5725	-40.01	4.39	59.61	Peak	68.2	Pass
ac40	5670	Ant1	5725	-48.11	4.39	51.51	Average	54	Pass
ac40	5670	Ant1	5728.4	-37.96	4.39	61.66	Peak	68.2	Pass
ac40	5670	Ant1	5731.8	-47.5	4.39	52.12	Average	54	Pass
ac40	5670	Ant1	-40.41	-40.41	4.39	59.21	Peak	68.2	Pass
ac40	5670	Ant1	5735	-47.79	4.39	51.83	Average	54	Pass
ac80	5210	Ant1	4500	-40.36	4.39	59.26	Peak	68.2	Pass
ac80	5210	Ant1	4500	-49.19	4.39	50.43	Average	54	Pass
ac80	5210	Ant1	4938.45	-36.57	4.39	63.05	Peak	68.2	Pass
ac80	5210	Ant1	4968.47	-46.52	4.39	53.1	Average	54	Pass
ac80	5210	Ant1	5150	-37.75	4.39	61.87	Peak	68.2	Pass
ac80	5210	Ant1	5150	-48.82	4.39	50.8	Average	54	Pass
ac80	5530	Ant1	5460	-41.48	4.39	58.14	Peak	68.2	Pass
ac80	5530	Ant1	5460	-48.72	4.39	50.9	Average	54	Pass



ac80	5530	Ant1	5467.6	-39.16	4.39	60.46	Peak	68.2	Pass
ac80	5530	Ant1	5464.2	-48.32	4.39	51.3	Average	54	Pass
ac80	5530	Ant1	5470	-41.8	4.39	57.82	Peak	68.2	Pass
ac80	5530	Ant1	5470	-49.17	4.39	50.45	Average	54	Pass
ac80	5610	Ant1	5725	-40.72	4.39	58.9	Peak	68.2	Pass
ac80	5610	Ant1	5725	-48.28	4.39	51.34	Average	54	Pass
ac80	5610	Ant1	5730.9	-38.41	4.39	61.21	Peak	68.2	Pass
ac80	5610	Ant1	5735	-47.25	4.39	52.37	Average	54	Pass
ac80	5610	Ant1	5735	-41.08	4.39	58.54	Peak	68.2	Pass
ac80	5610	Ant1	5735	-47.25	4.39	52.37	Average	54	Pass

Remark:

Ant1 and Ant2 have been tested, found worst case is Ant1, only record the worst case results in this report.





## 8.2 Test Graphs

