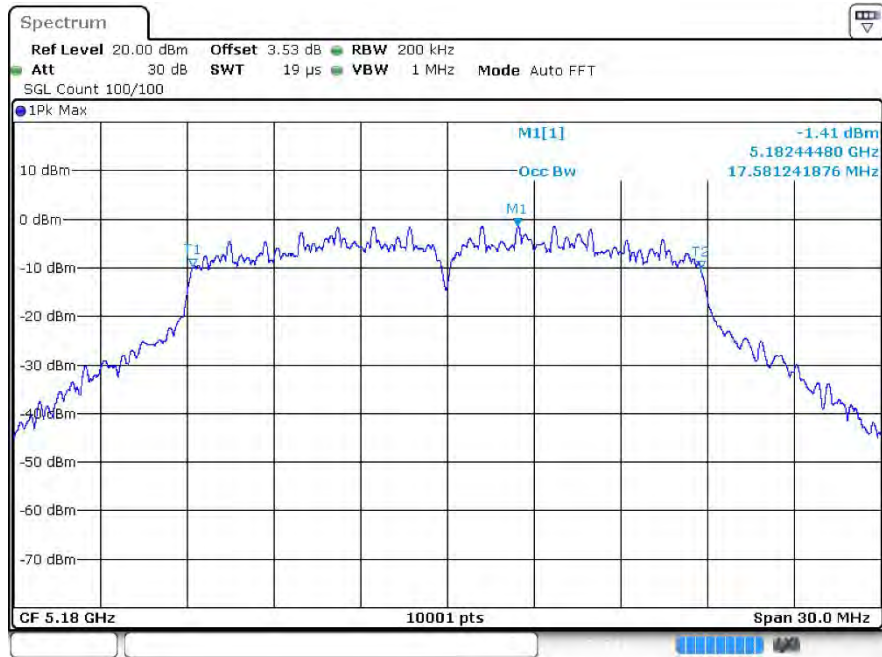
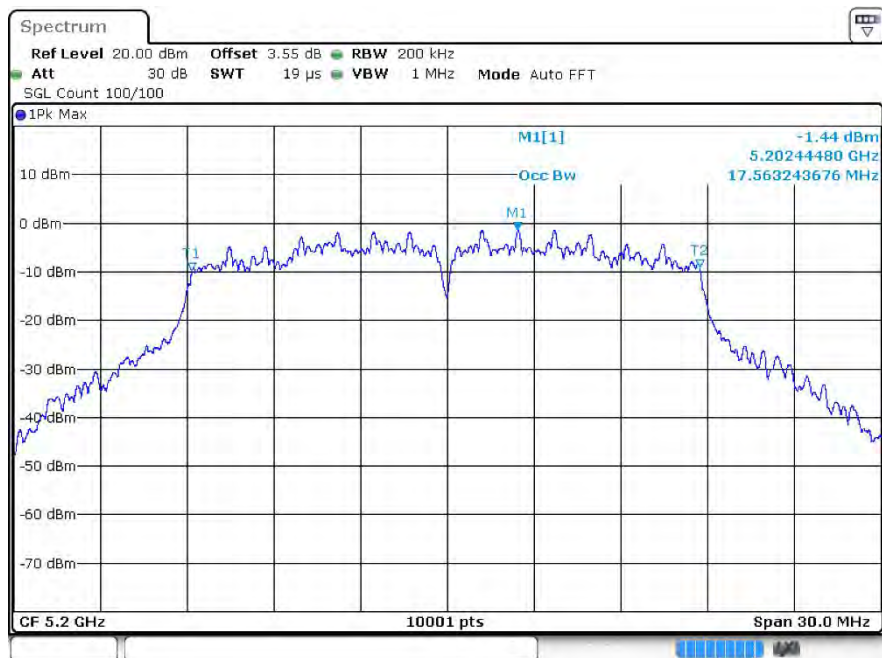


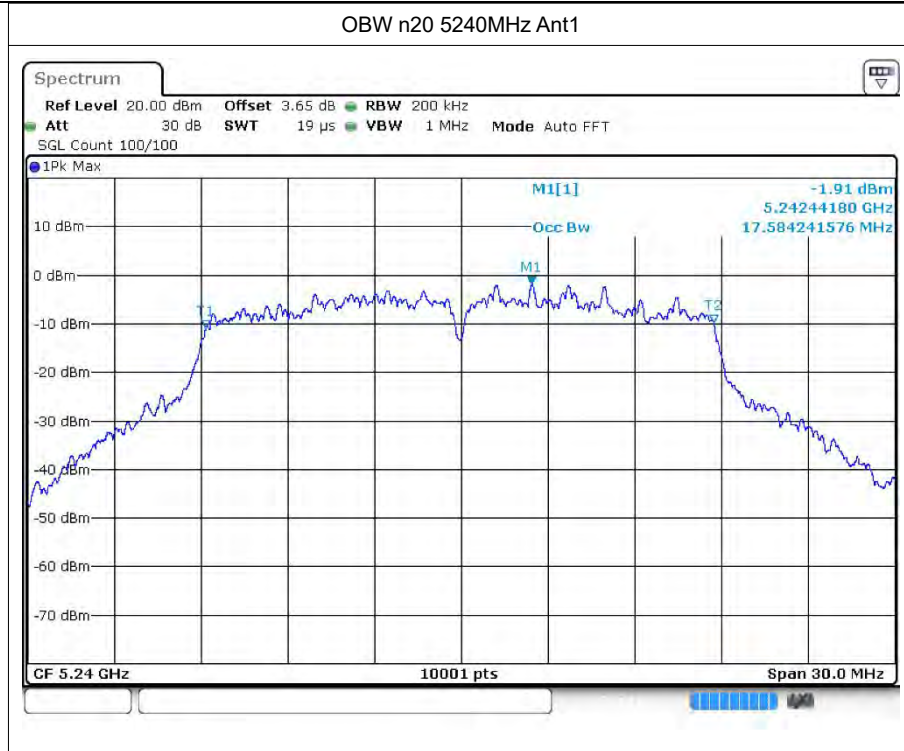


OBW n20 5180MHz Ant1

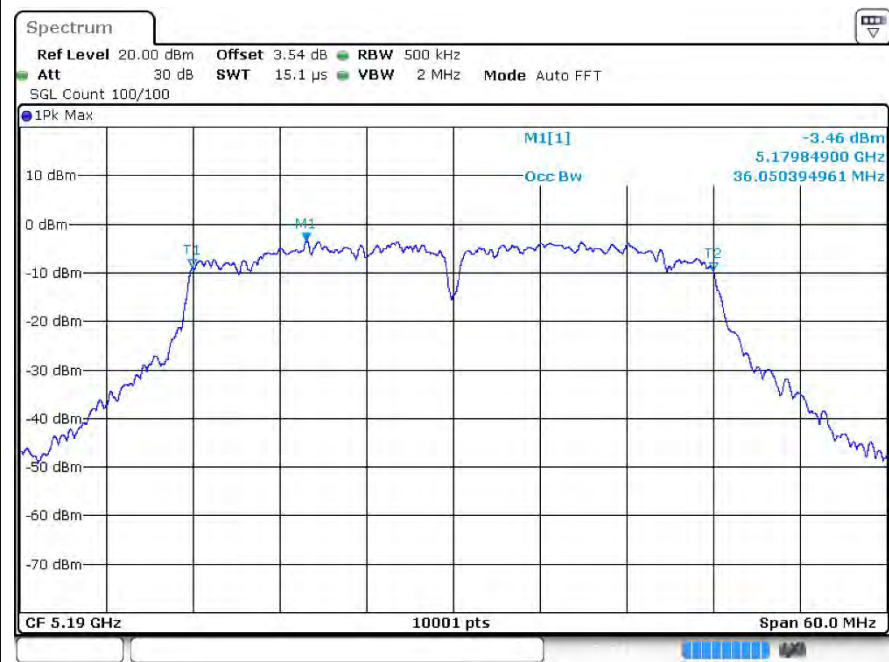


OBW n20 5200MHz Ant1

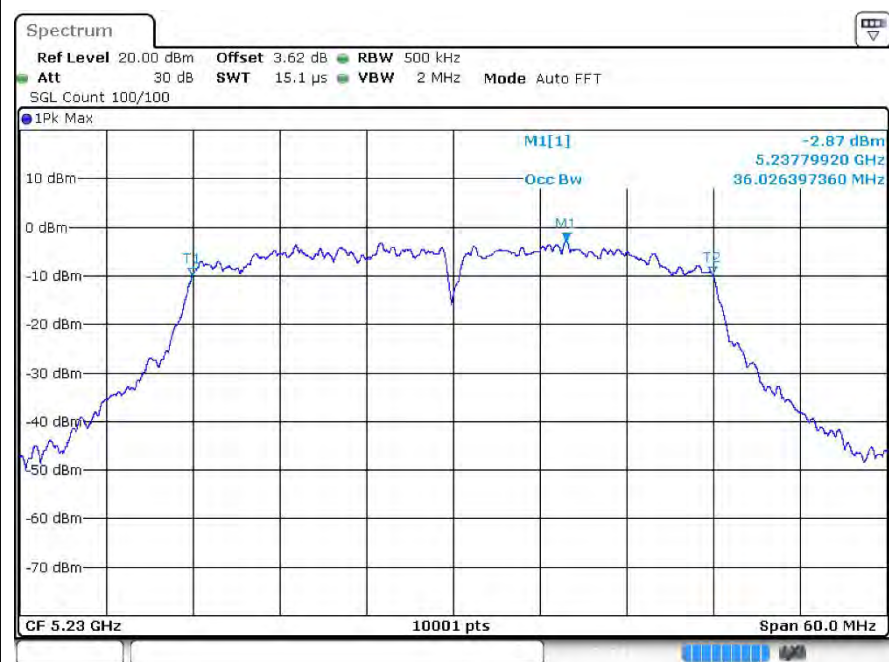




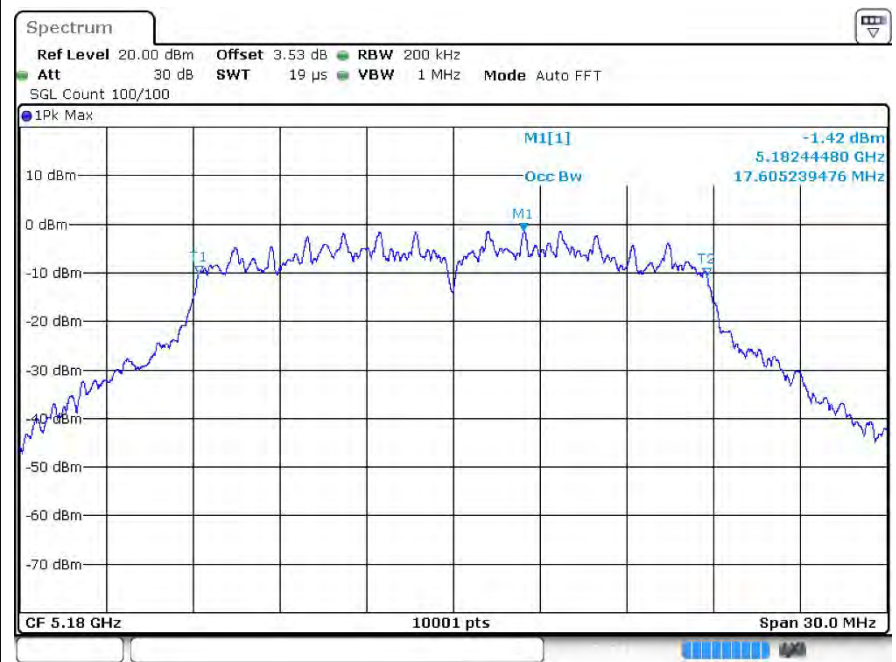
OBWn40 5190MHz Ant1



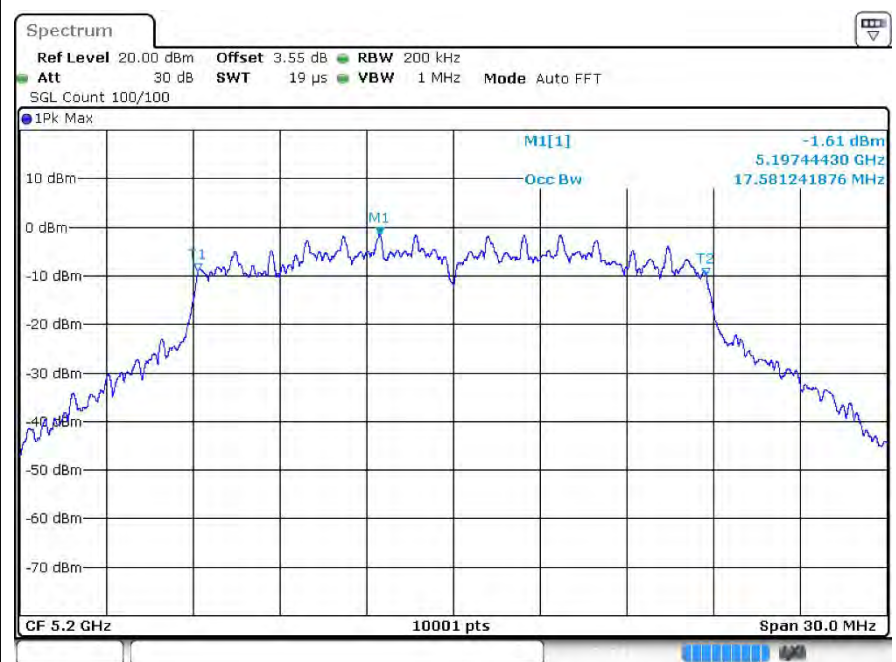
OBWn40 5230MHz Ant1

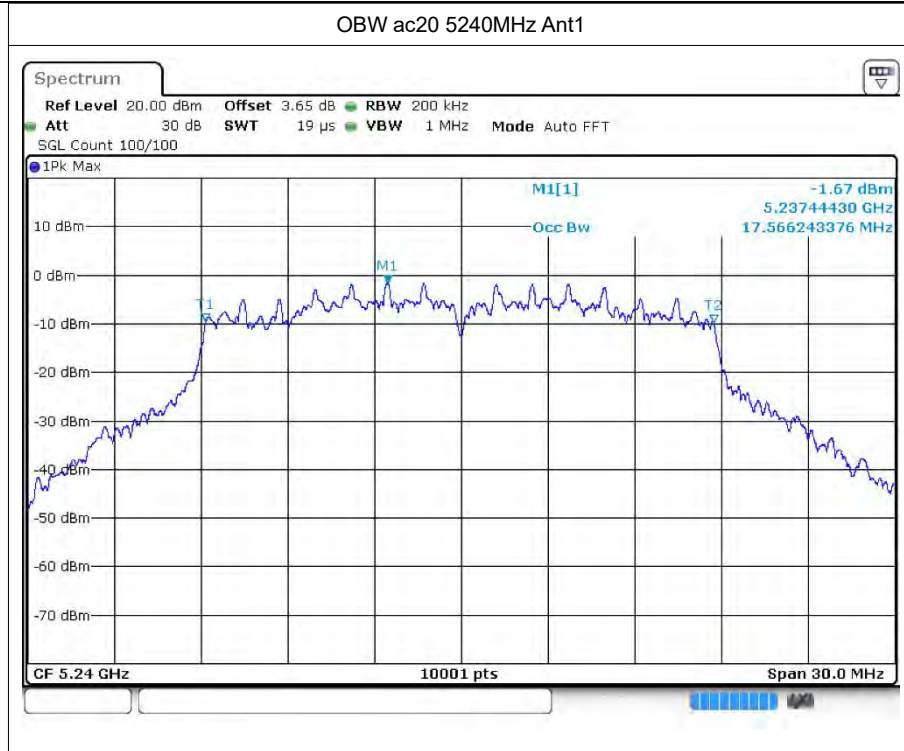


OBW ac20 5180MHz Ant1

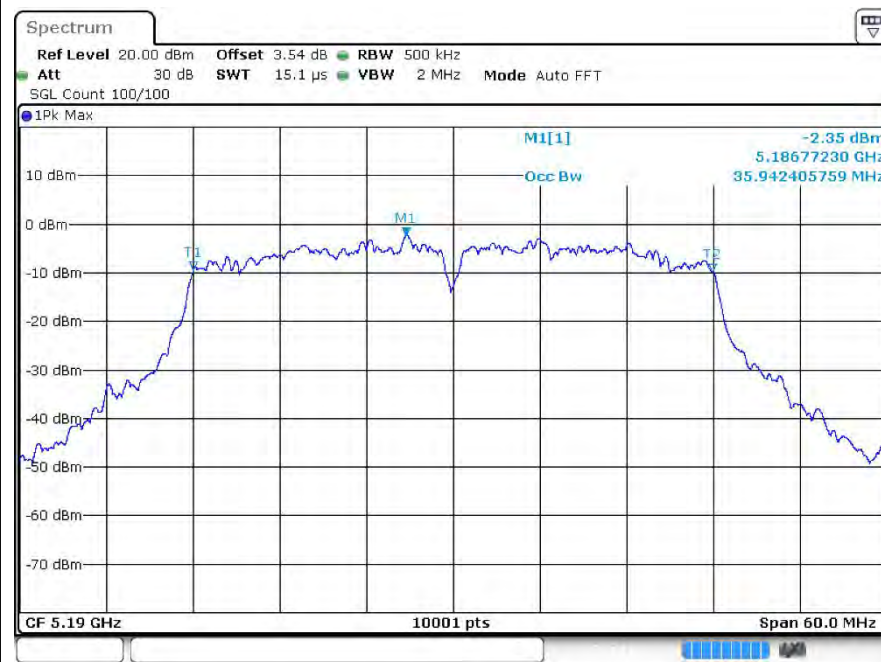


OBW ac20 5200MHz Ant1

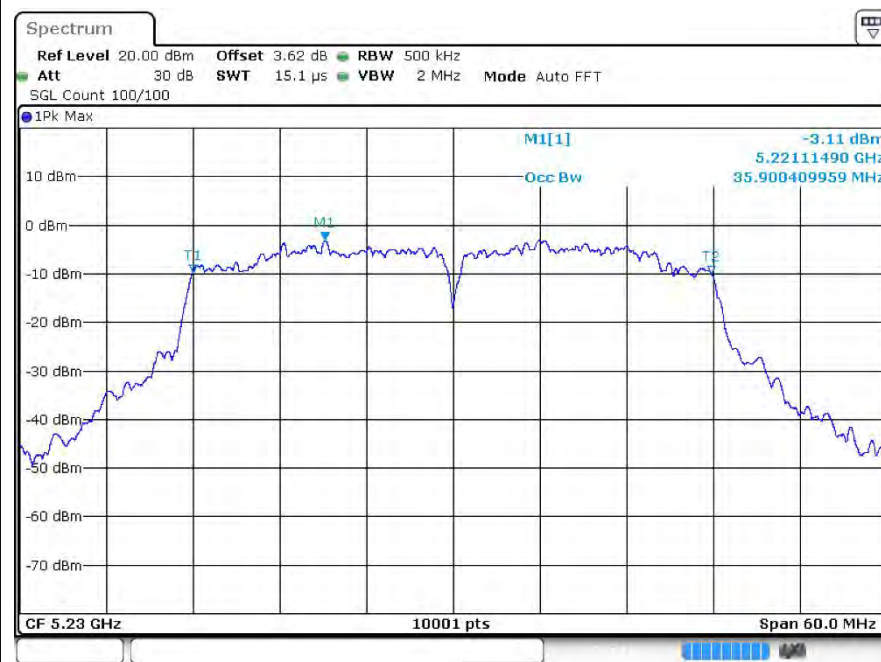


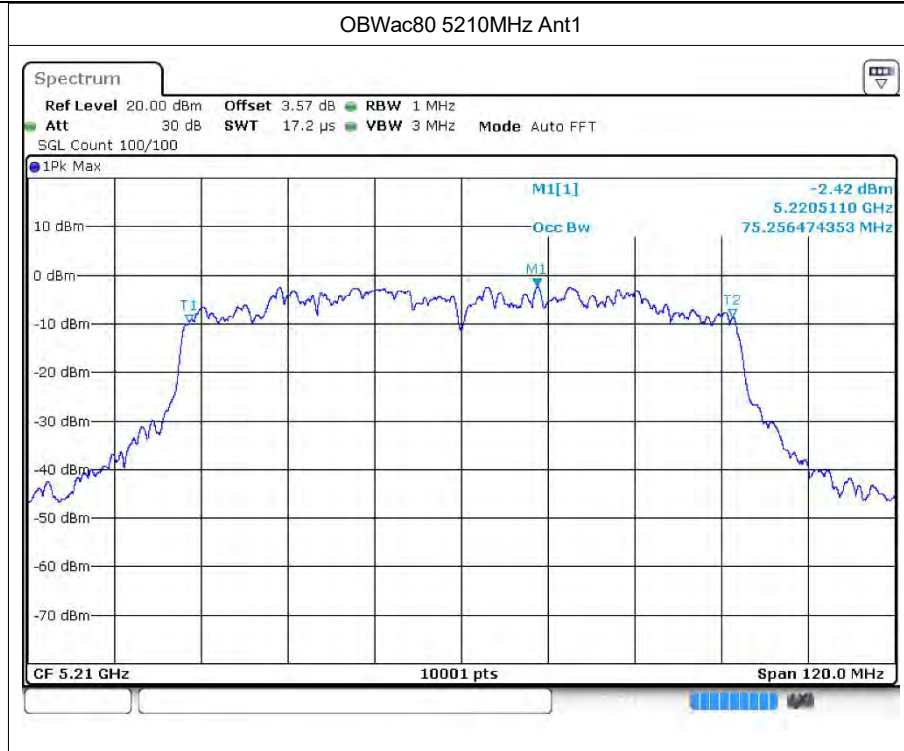


OBWac40 5190MHz Ant1

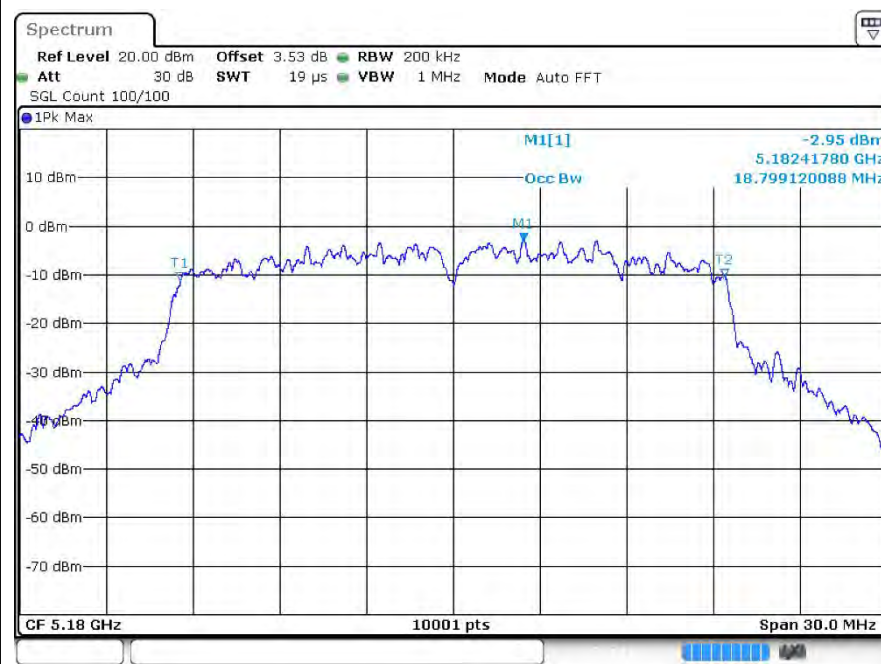


OBWac40 5230MHz Ant1

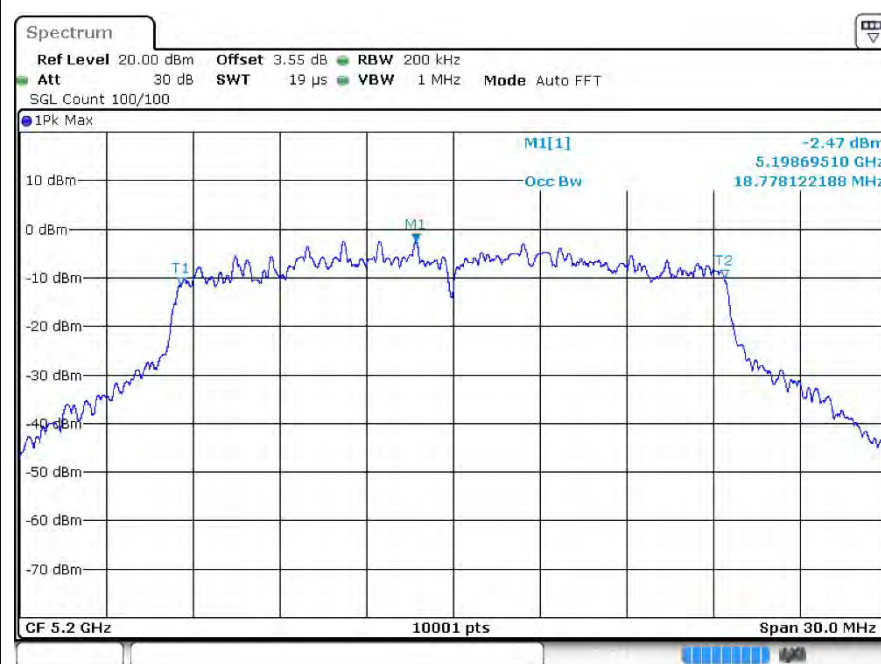


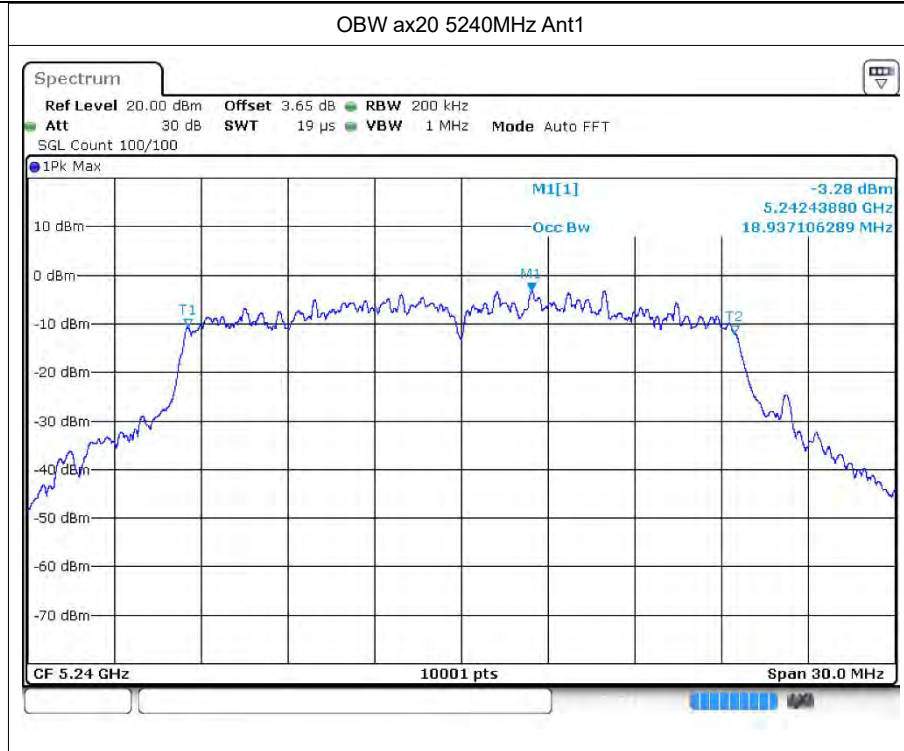


OBW ax20 5180MHz Ant1

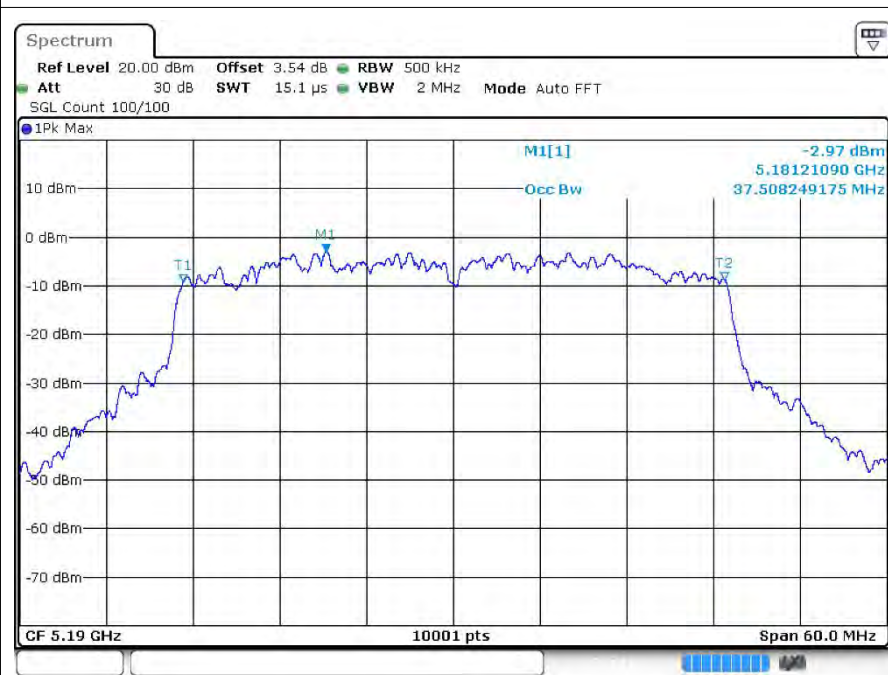


OBW ax20 5200MHz Ant1



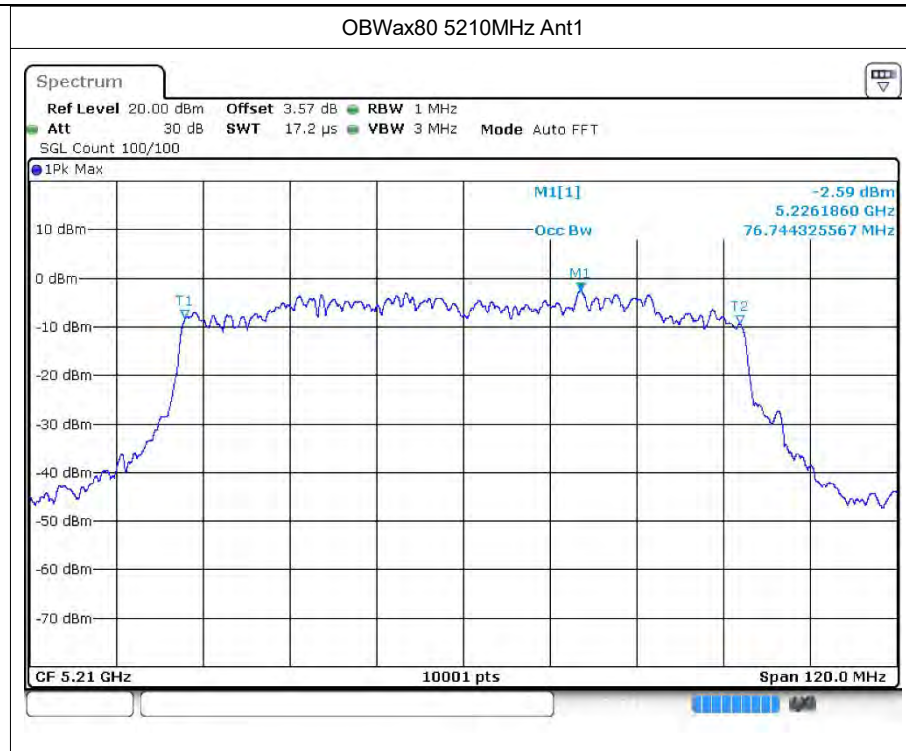


OBWax40 5190MHz Ant1



OBWax40 5230MHz Ant1





5 Maximum Power Spectral Density Level

5.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
a	5180	Ant0	1.02	0.61	1.63	11	Pass
a	5200	Ant0	0.74	0.61	1.35	11	Pass
a	5240	Ant0	0.3	0.6	0.9	11	Pass
a	5180	Ant1	-1.19	0.6	-0.59	11	Pass
a	5200	Ant1	-1.3	0.6	-0.7	11	Pass
a	5240	Ant1	-1.61	0.6	-1.01	11	Pass
n20	5180	Ant0	-2.31	0.31	-2	11	Pass
n20	5180	Ant1	-3.27	0.31	-2.96	11	Pass
n20	5180	Sum	-	-	0.56	8.49	Pass
n20	5200	Ant0	-2.07	0.31	-1.76	11	Pass
n20	5200	Ant1	-3.58	0.31	-3.27	11	Pass
n20	5200	Sum	-	-	0.56	8.49	Pass
n20	5240	Ant0	-2.54	0.31	-2.23	11	Pass
n20	5240	Ant1	-3.7	0.31	-3.39	11	Pass
n20	5240	Sum	-	-	0.24	8.49	Pass
n40	5190	Ant0	-5.08	0.32	-4.76	11	Pass
n40	5190	Ant1	-6.98	0.39	-6.59	11	Pass
n40	5190	Sum	-	-	-2.57	8.49	Pass
n40	5230	Ant0	-5.69	0.32	-5.37	11	Pass
n40	5230	Ant1	-7.17	0.36	-6.81	11	Pass
n40	5230	Sum	-	-	-3.02	8.49	Pass
ac20	5180	Ant0	-2.5	0.6	-1.9	11	Pass
ac20	5180	Ant1	-3.7	0.6	-3.1	11	Pass
ac20	5180	Sum	-	-	0.55	8.49	Pass
ac20	5200	Ant0	-2.54	0.59	-1.95	11	Pass
ac20	5200	Ant1	-3.22	0.6	-2.62	11	Pass
ac20	5200	Sum	-	-	0.74	11	Pass
ac20	5240	Ant0	-2.51	0.59	-1.92	11	Pass
ac20	5240	Ant1	-4.04	0.59	-3.45	11	Pass
ac20	5240	Sum	-	-	0.39	8.49	Pass
ac40	5190	Ant0	-6.43	0.6	-5.83	11	Pass
ac40	5190	Ant1	-7.37	0.71	-6.66	11	Pass
ac40	5190	Sum	-	-	-3.21	8.49	Pass
ac40	5230	Ant0	-6.14	0.59	-5.55	11	Pass
ac40	5230	Ant1	-7.93	0.61	-7.32	11	Pass
ac40	5230	Sum	-	-	-3.34	8.49	Pass



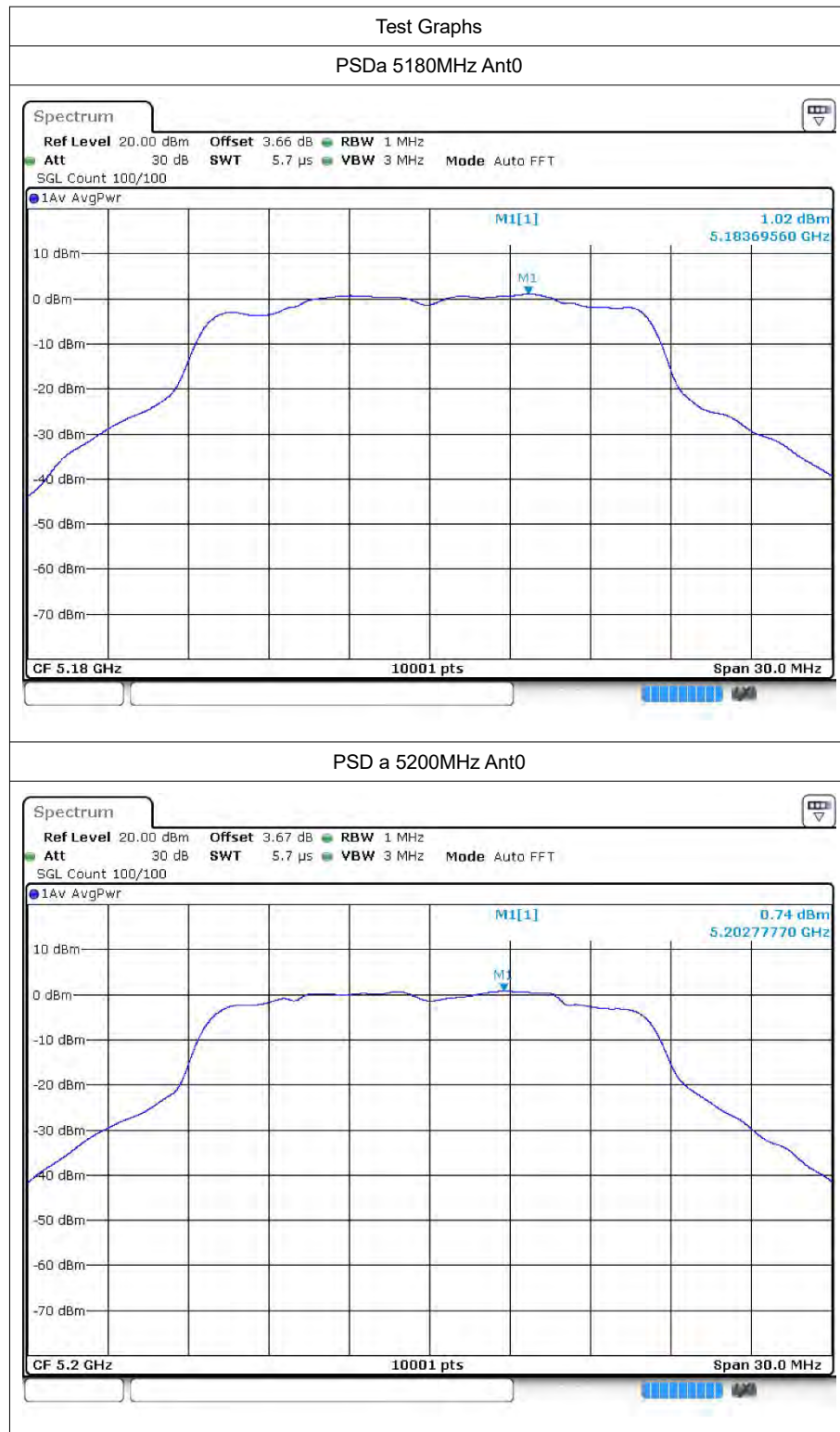
ac80	5210	Ant0	-9.02	0.58	-8.44	11	Pass
ac80	5210	Ant1	-10.62	0.72	-9.9	11	Pass
ac80	5210	Sum	-	-	-6.10	8.49	Pass
ax20	5180	Ant0	-2.47	0.61	-1.86	11	Pass
ax20	5180	Ant1	-4.41	0.61	-3.8	11	Pass
ax20	5180	Sum	-	-	0.29	8.49	Pass
ax20	5200	Ant0	-3.14	0.61	-2.53	11	Pass
ax20	5200	Ant1	-4.69	0.6	-4.09	11	Pass
ax20	5200	Sum	-	-	-0.23	8.49	Pass
ax20	5240	Ant0	-3.17	0.6	-2.57	11	Pass
ax20	5240	Ant1	-4.88	0.6	-4.28	11	Pass
ax20	5240	Sum	-	-	-0.33	8.49	Pass
ax40	5190	Ant0	-6.33	0.57	-5.76	11	Pass
ax40	5190	Ant1	-8.78	0.71	-8.07	11	Pass
ax40	5190	Sum	-	-	-3.75	8.49	Pass
ax40	5230	Ant0	-6.74	0.57	-6.17	11	Pass
ax40	5230	Ant1	-8.53	0.71	-7.82	11	Pass
ax40	5230	Sum	-	-	-3.91	8.49	Pass
ax80	5210	Ant0	-9.93	0.6	-9.33	11	Pass
ax80	5210	Ant1	-11.37	0.76	-10.61	11	Pass
ax80	5210	Sum	-	-	-6.91	8.49	Pass

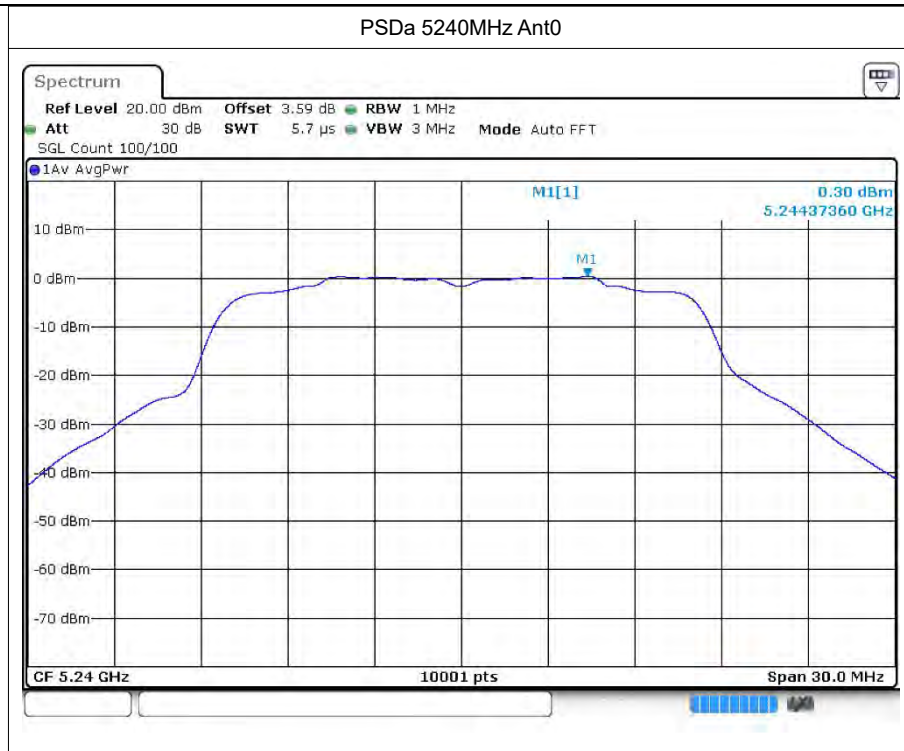
For MIMO mode:

Directional gain= $10\log[(10^{G1/20}+10^{G2/20})^2/2]$ dBi=8.51dBi

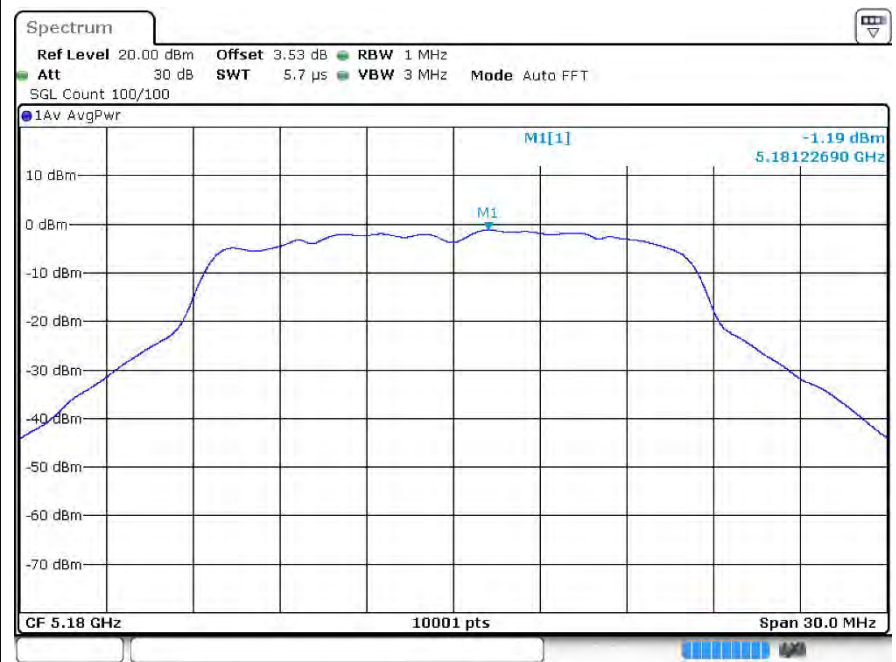
Limit =11-(8.51-6)=8.49dBm for PSD

5.2 Test Graphs

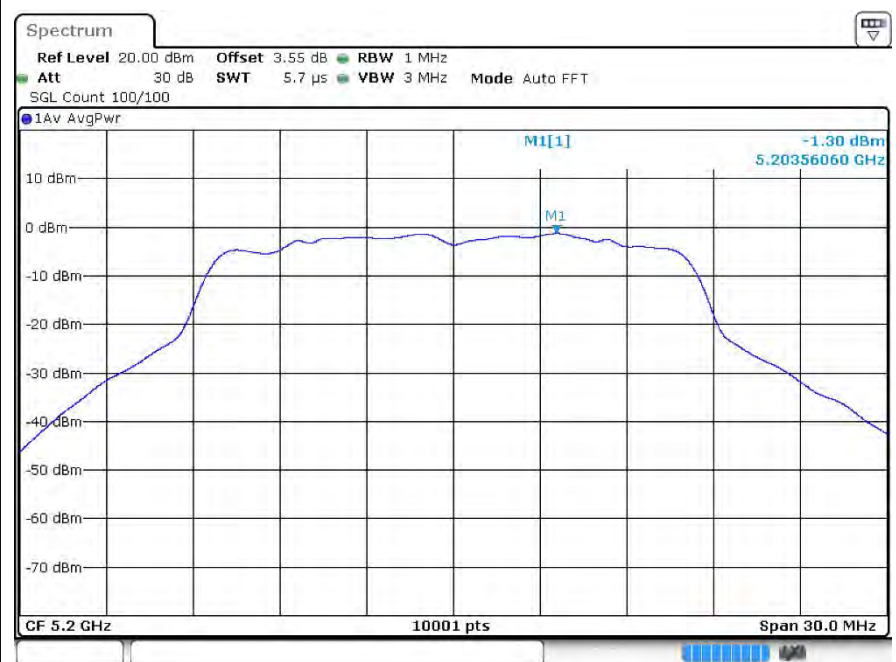


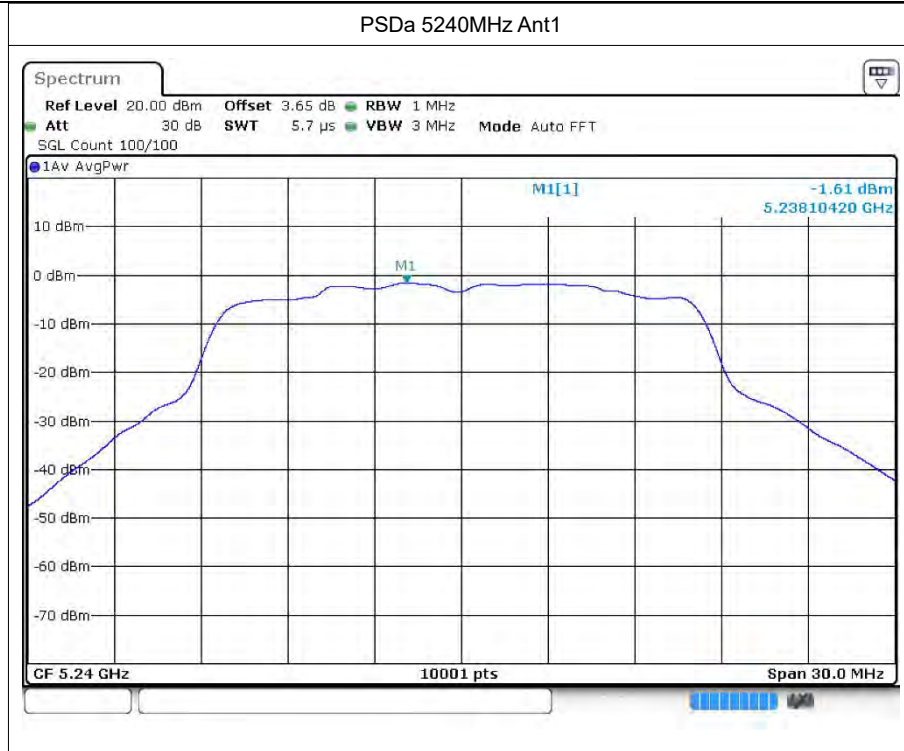


PSDa 5180MHz Ant1

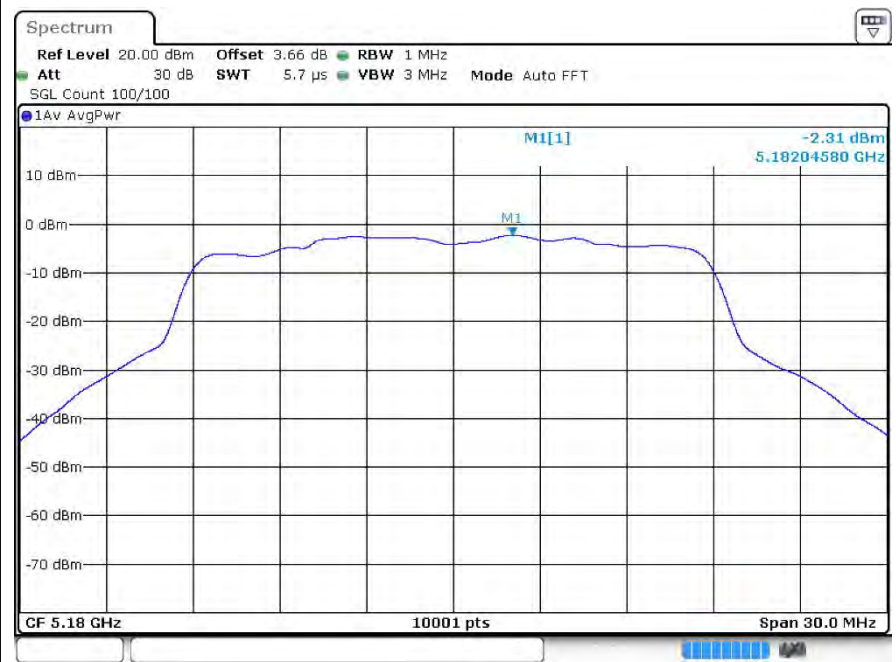


PSD a 5200MHz Ant1

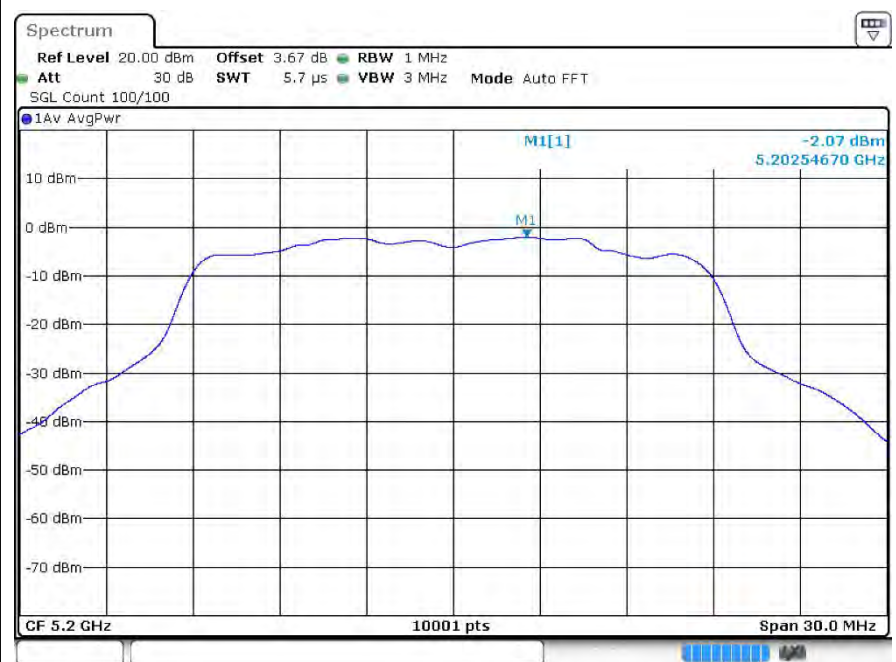


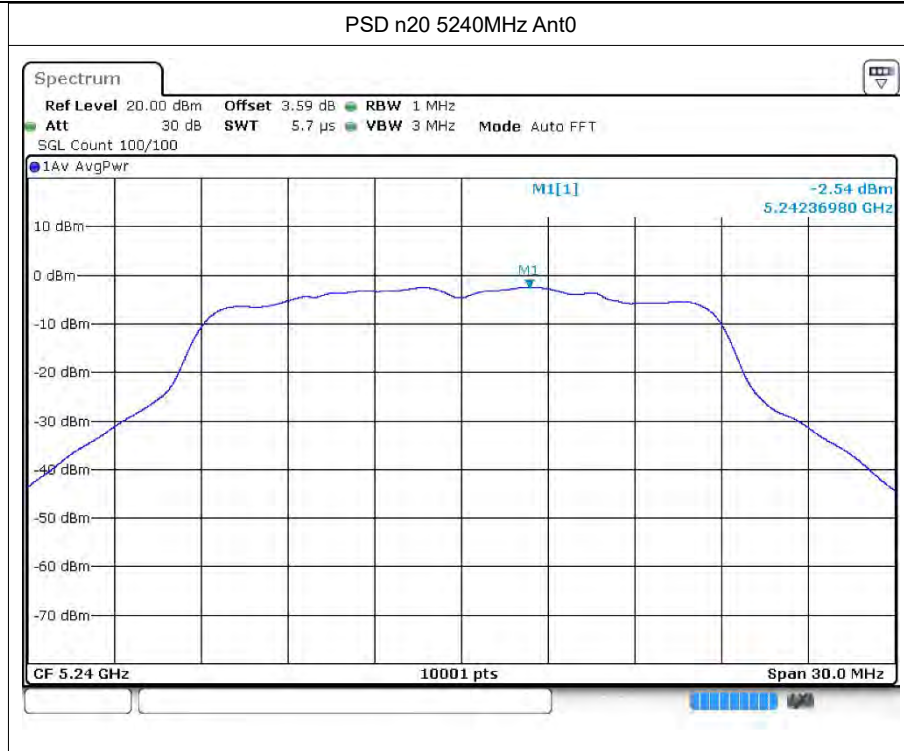


PSD n20 5180MHz Ant0

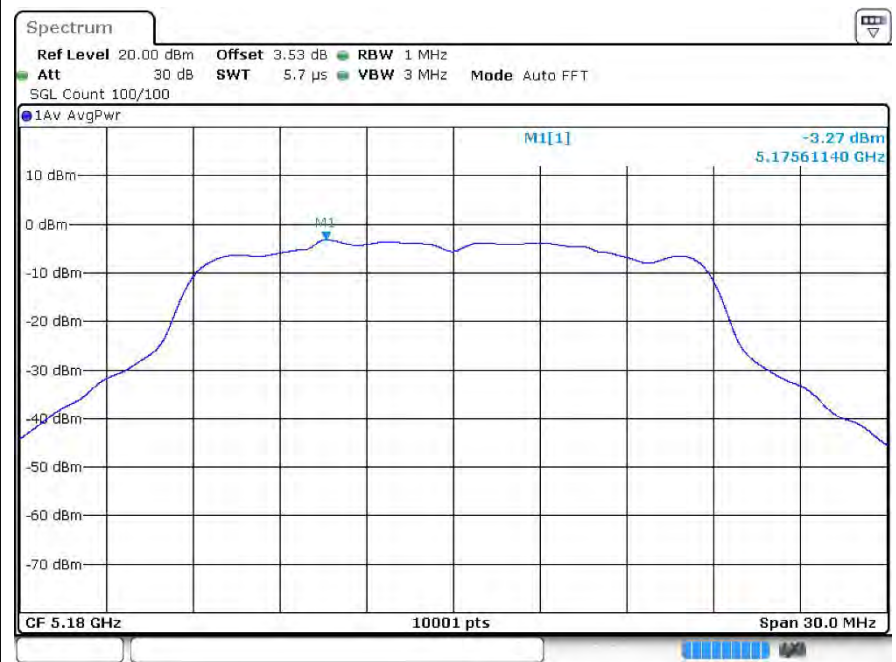


PSD n20 5200MHz Ant0

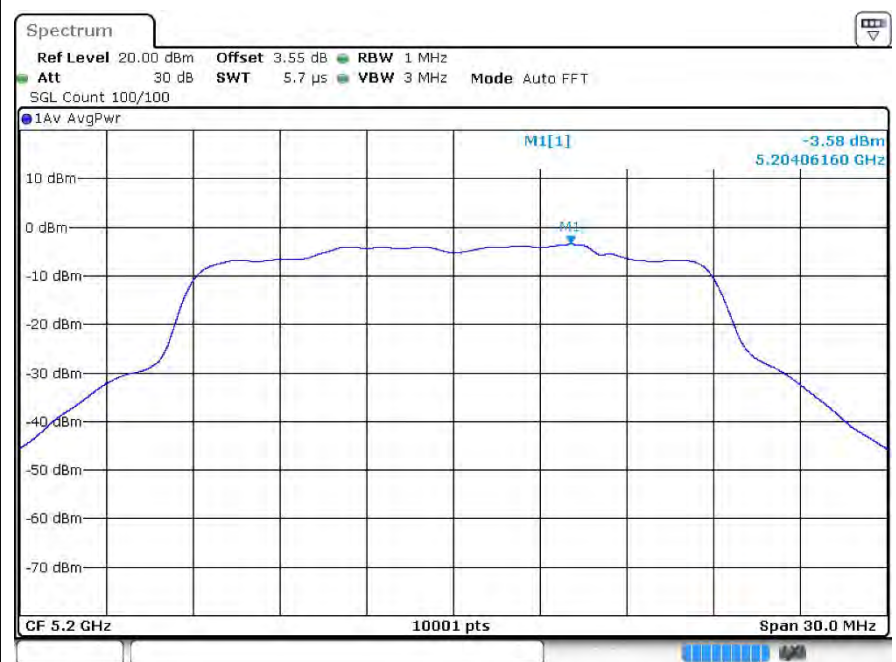


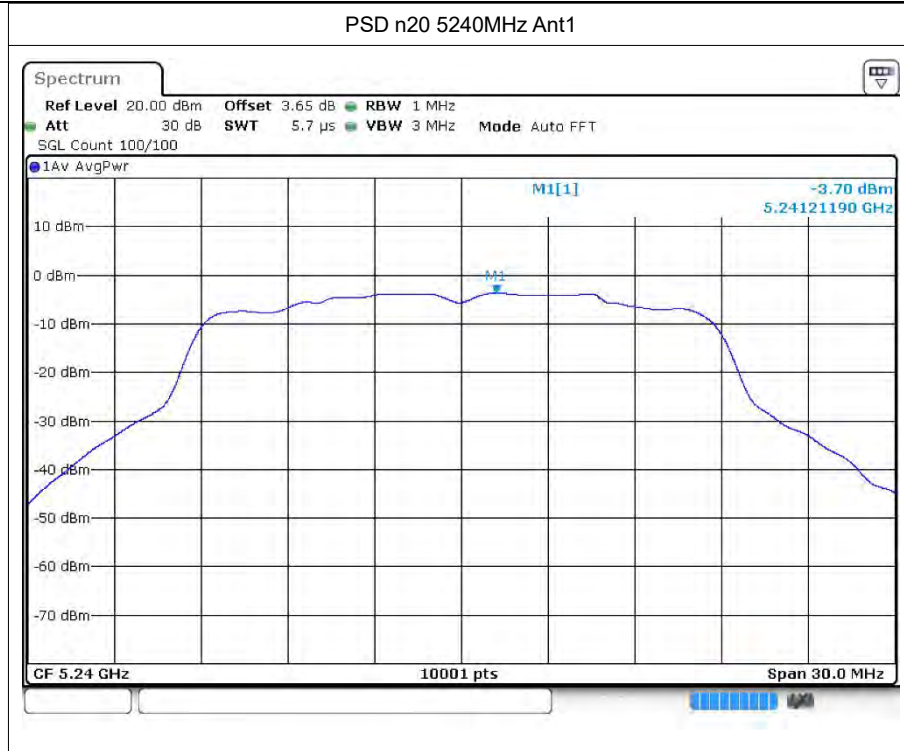


PSD n20 5180MHz Ant1



PSD n20 5200MHz Ant1





PSDn40 5190MHz Ant0



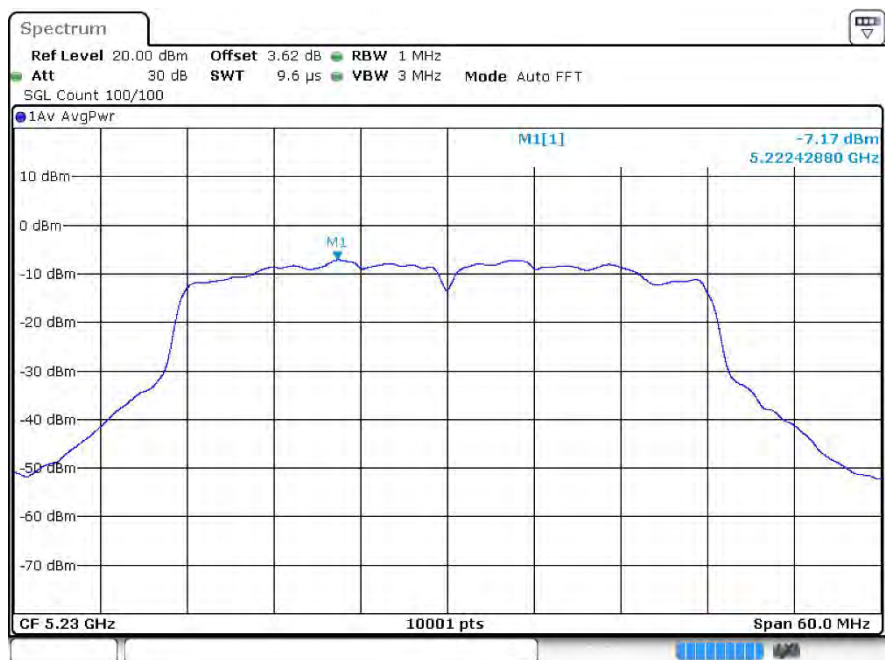
PSDn40 5230MHz Ant0



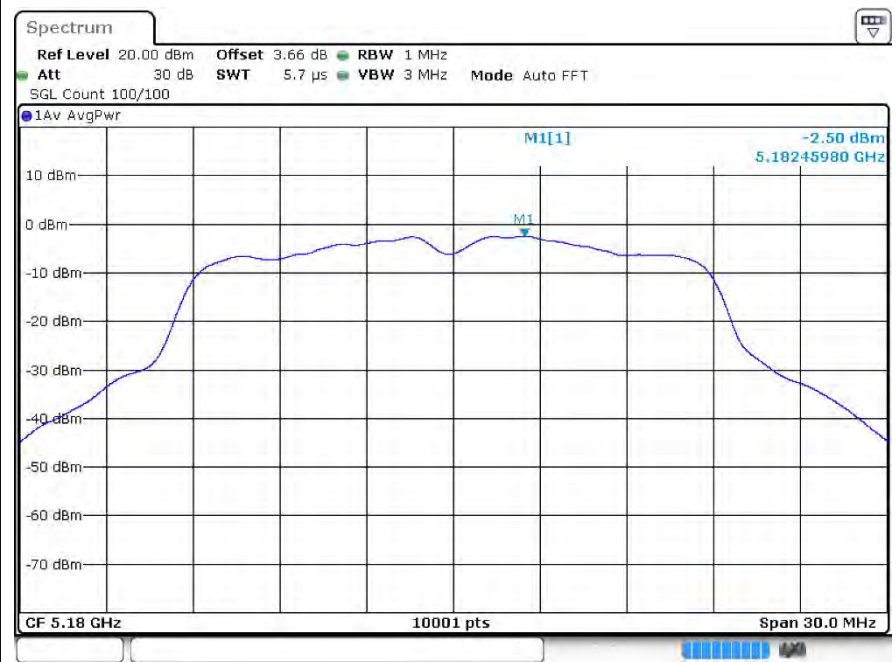
PSDn40 5190MHz Ant1



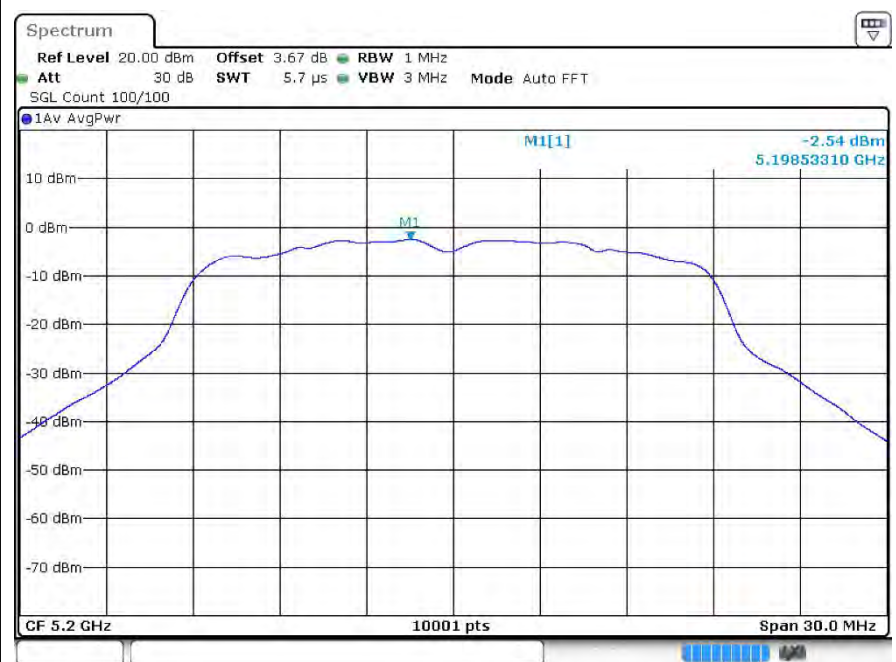
PSDn40 5230MHz Ant1

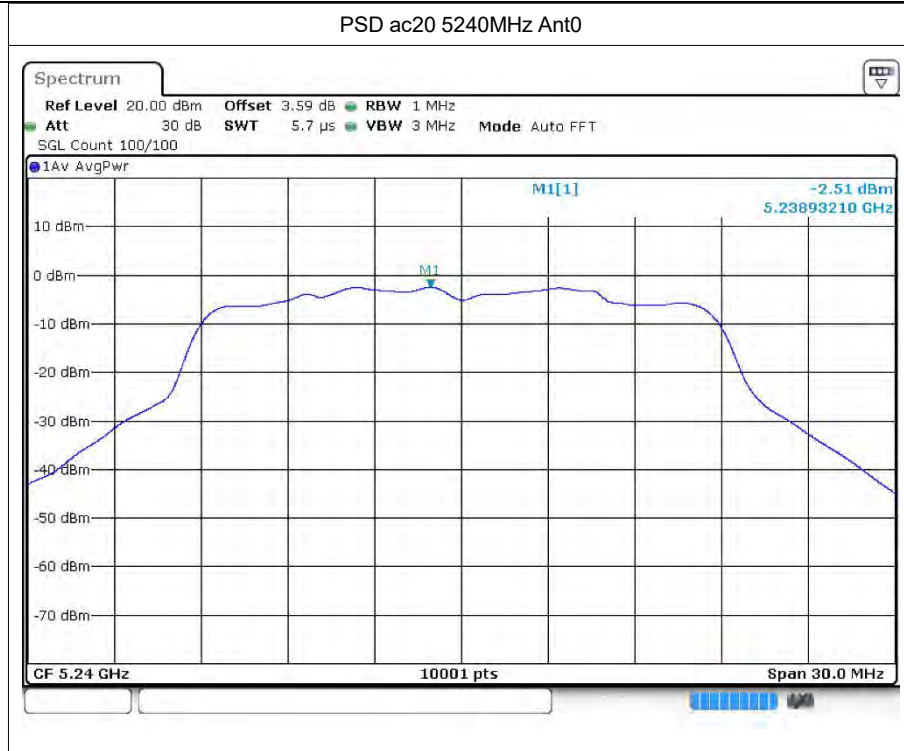


PSD ac20 5180MHz Ant0

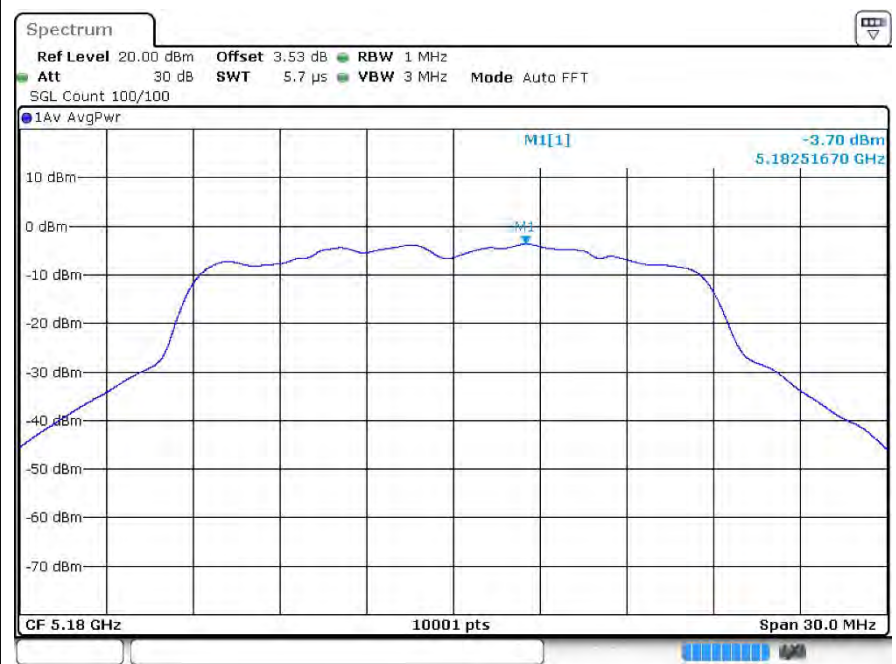


PSD ac20 5200MHz Ant0

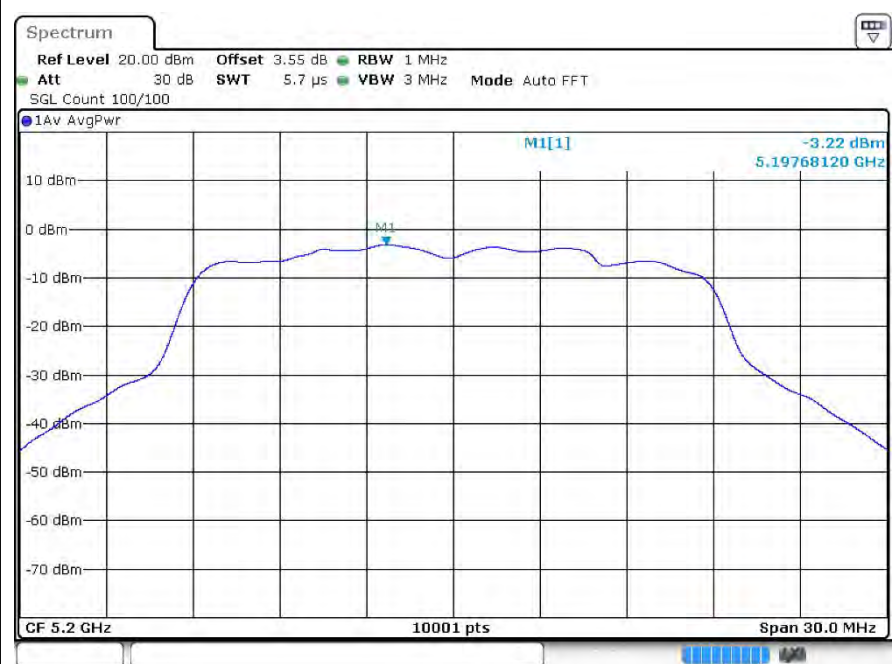


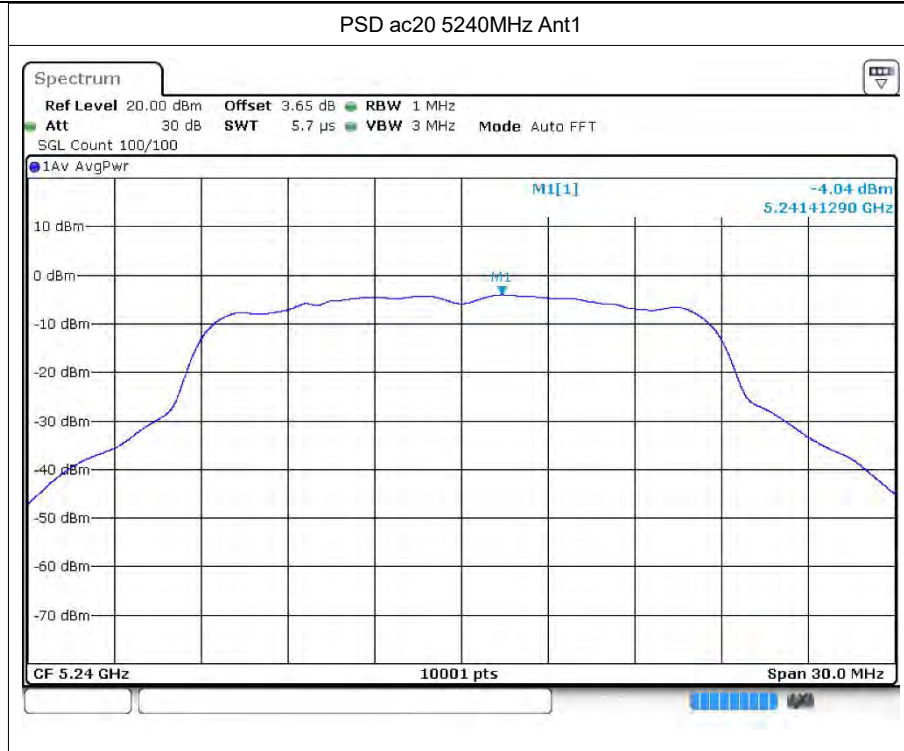


PSD ac20 5180MHz Ant1



PSD ac20 5200MHz Ant1

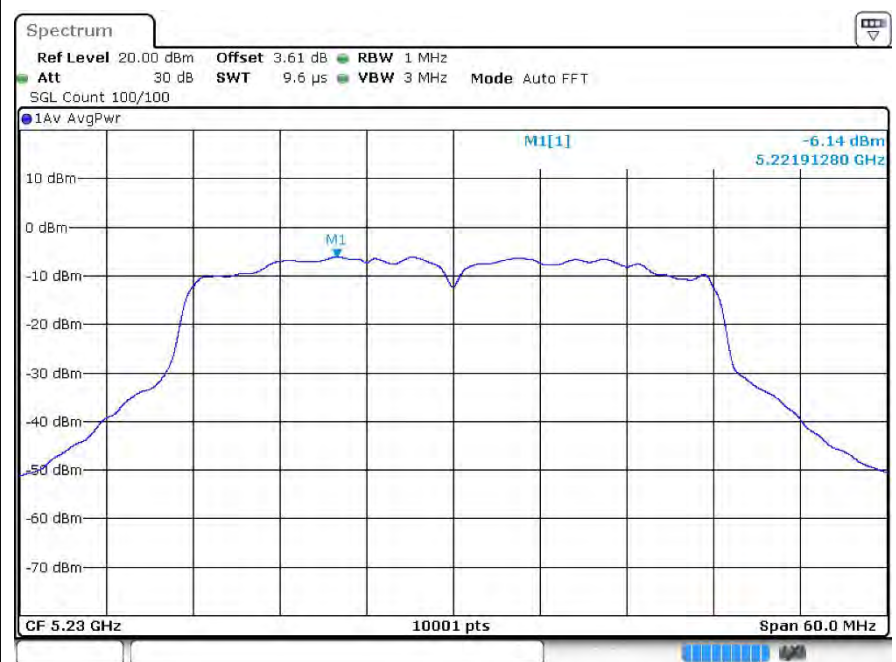




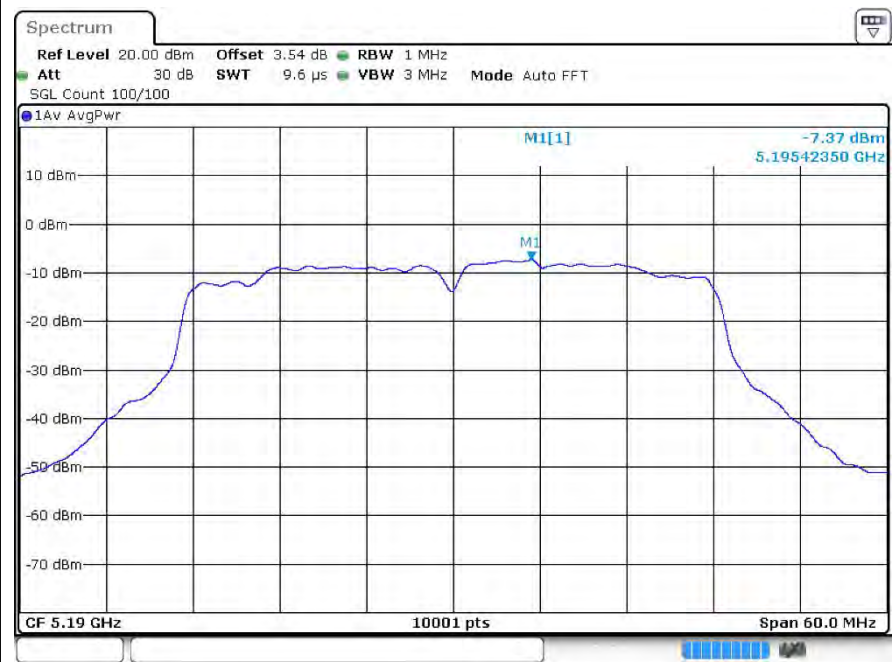
PSDac40 5190MHz Ant0



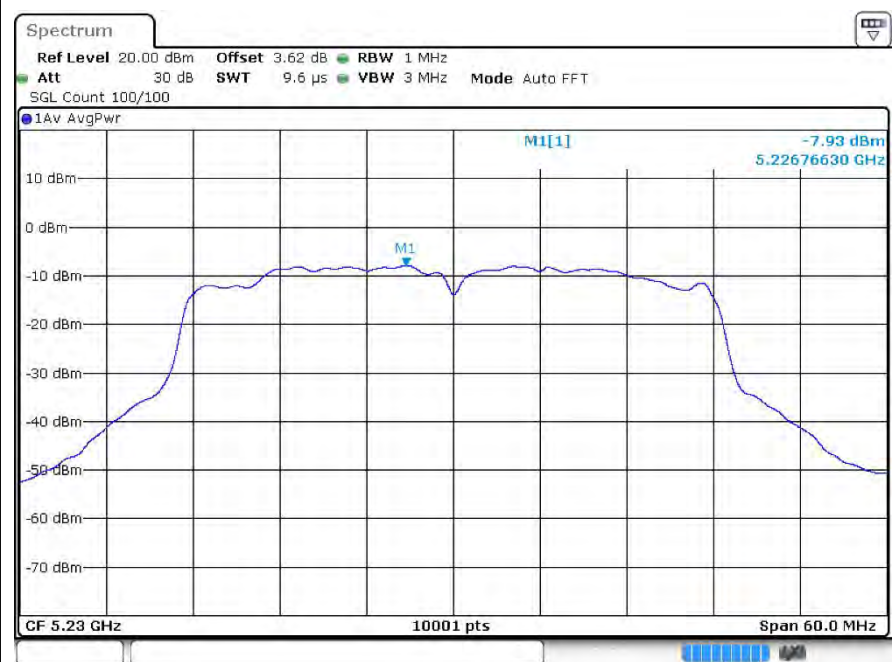
PSDac40 5230MHz Ant0



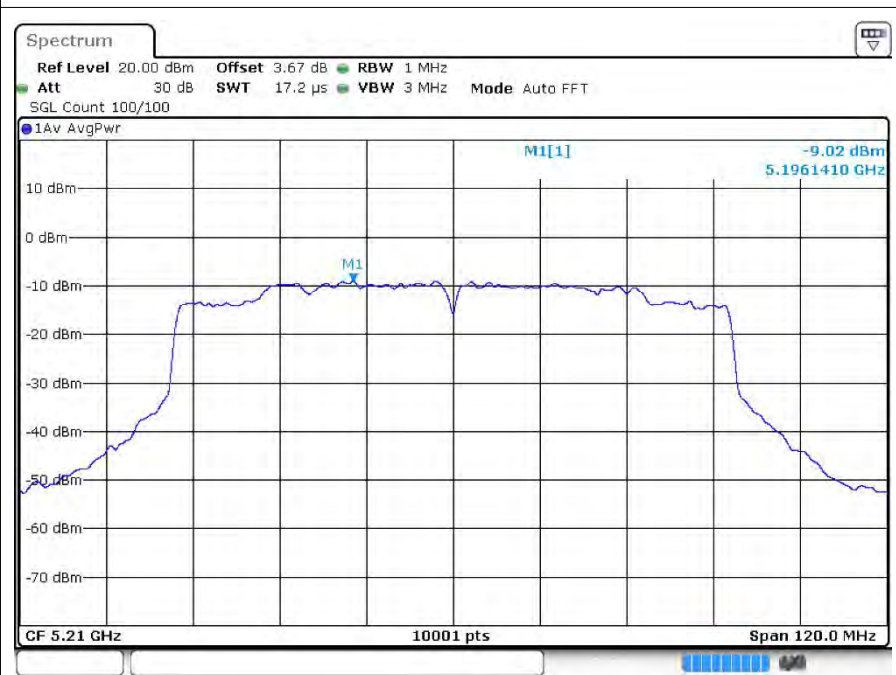
PSDac40 5190MHz Ant1



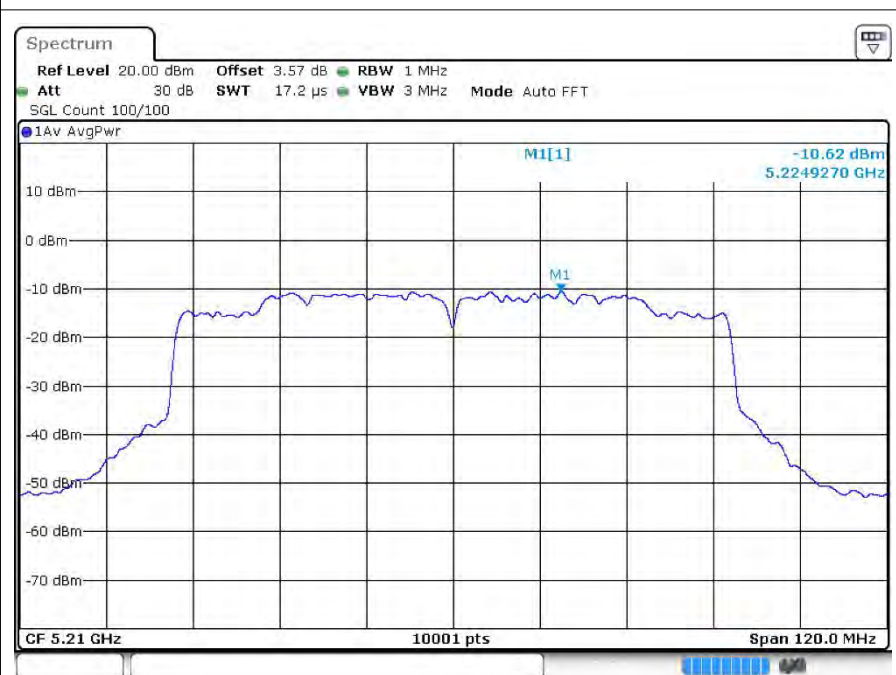
PSDac40 5230MHz Ant1



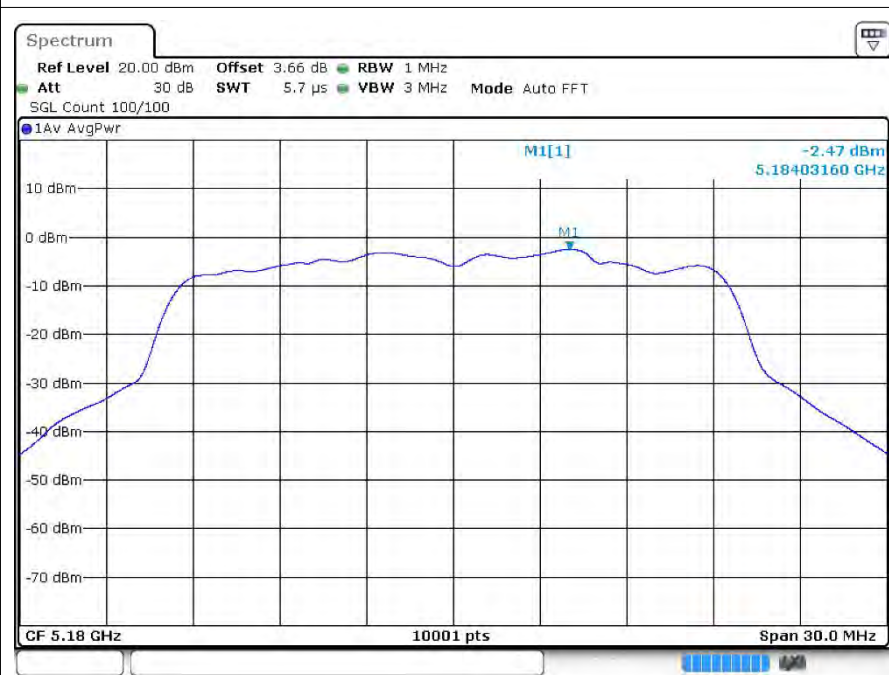
PSDac80 5210MHz Ant0



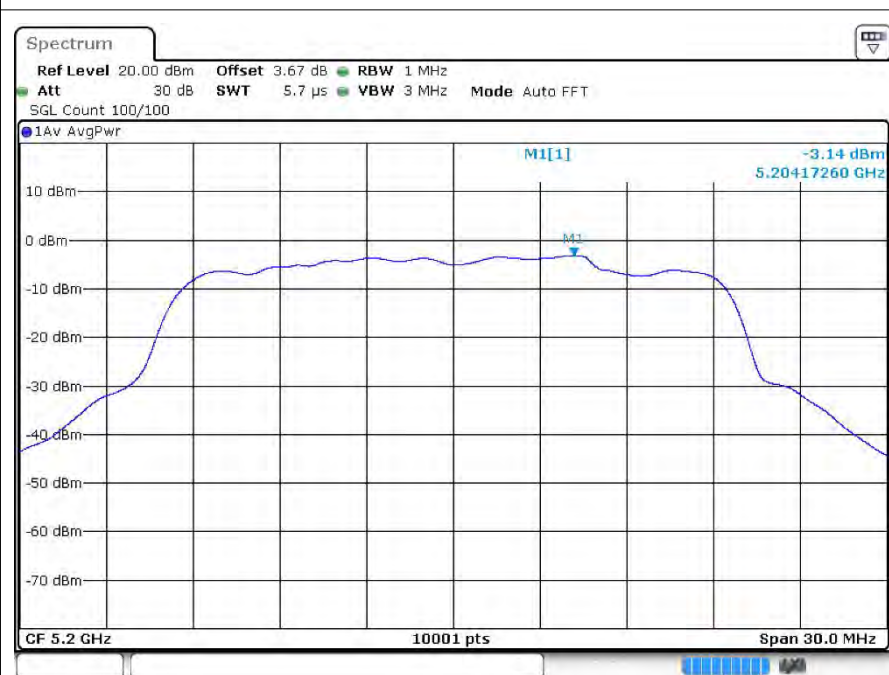
PSDac80 5210MHz Ant1

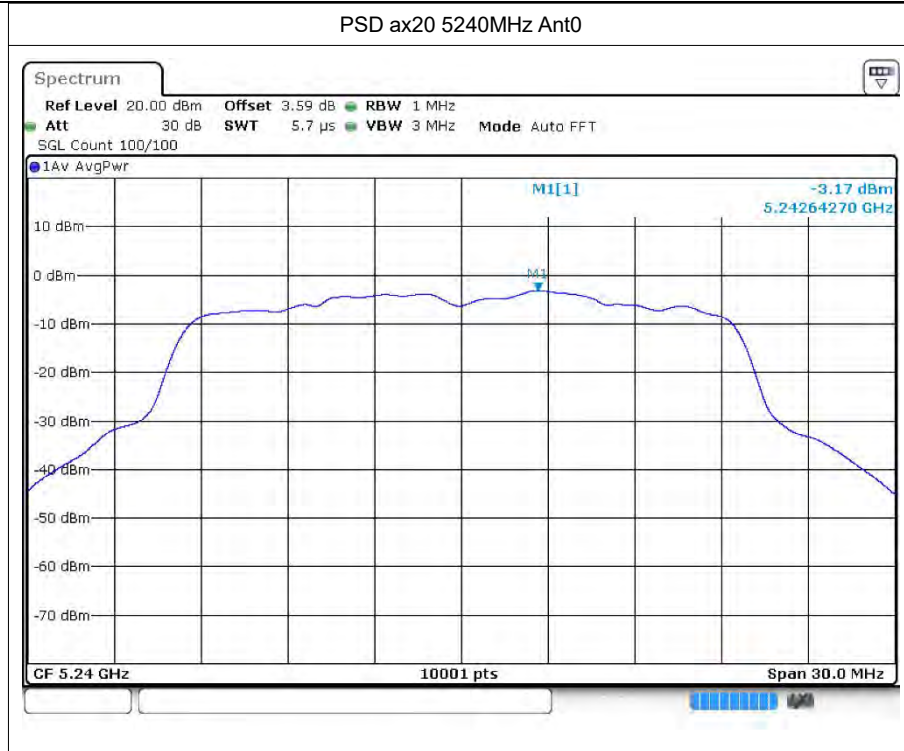


PSD ax20 5180MHz Ant0

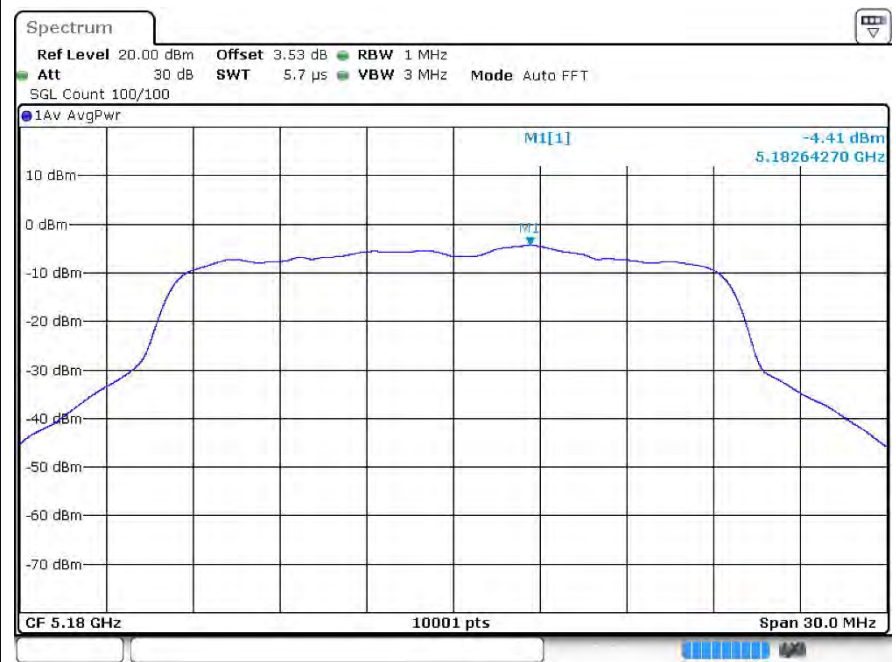


PSD ax20 5200MHz Ant0

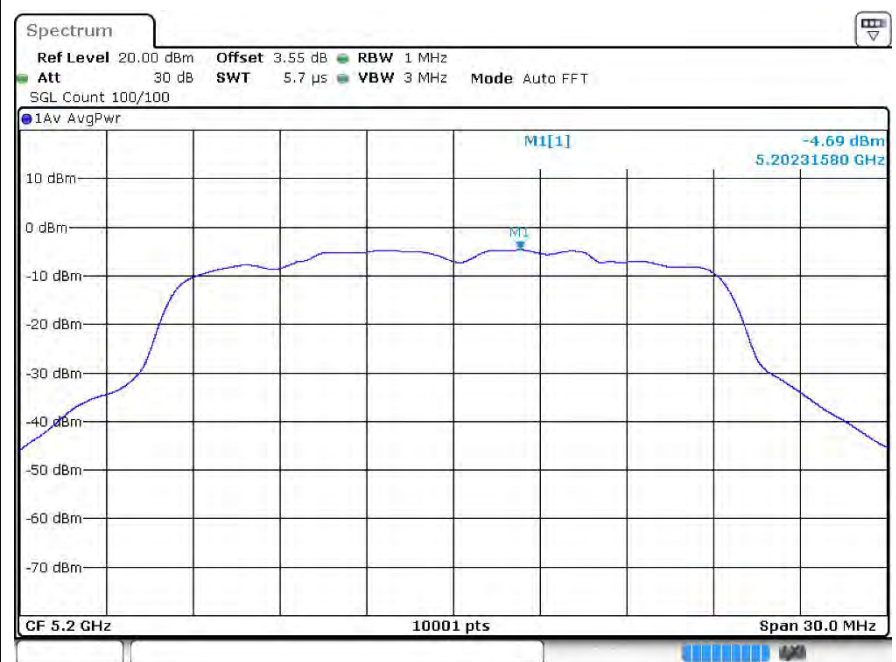


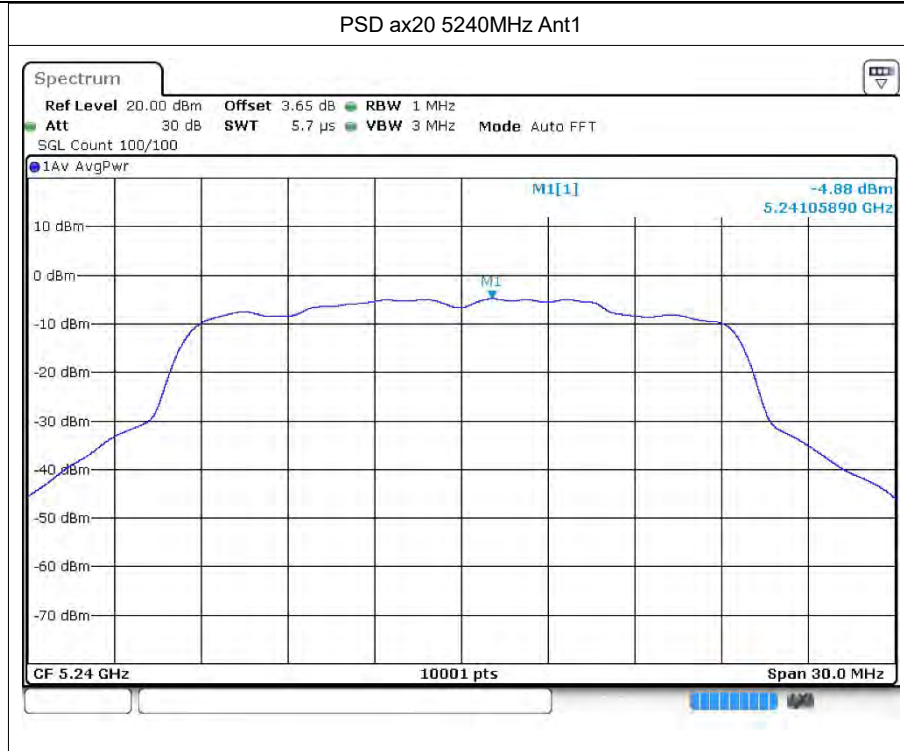


PSD ax20 5180MHz Ant1

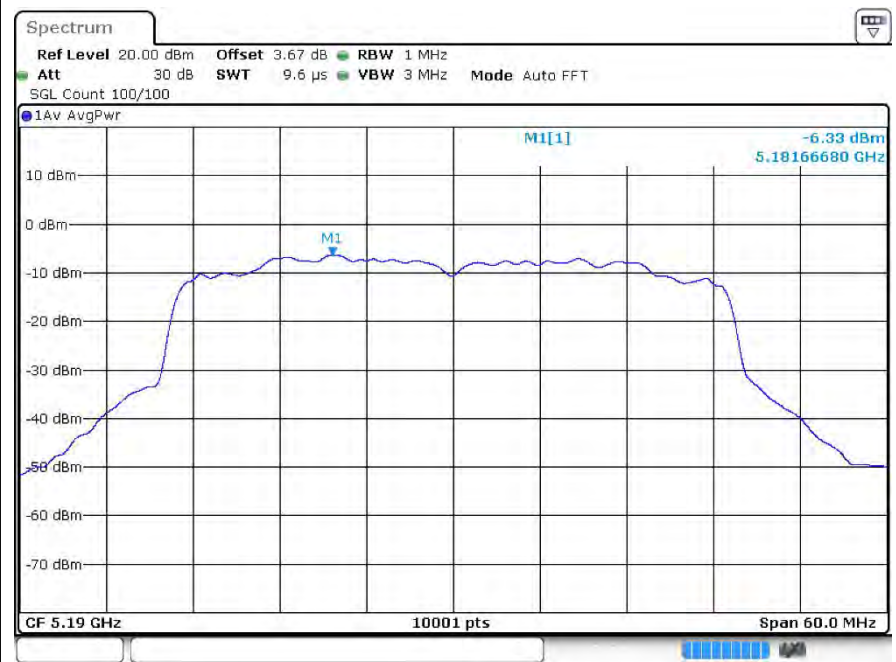


PSD ax20 5200MHz Ant1

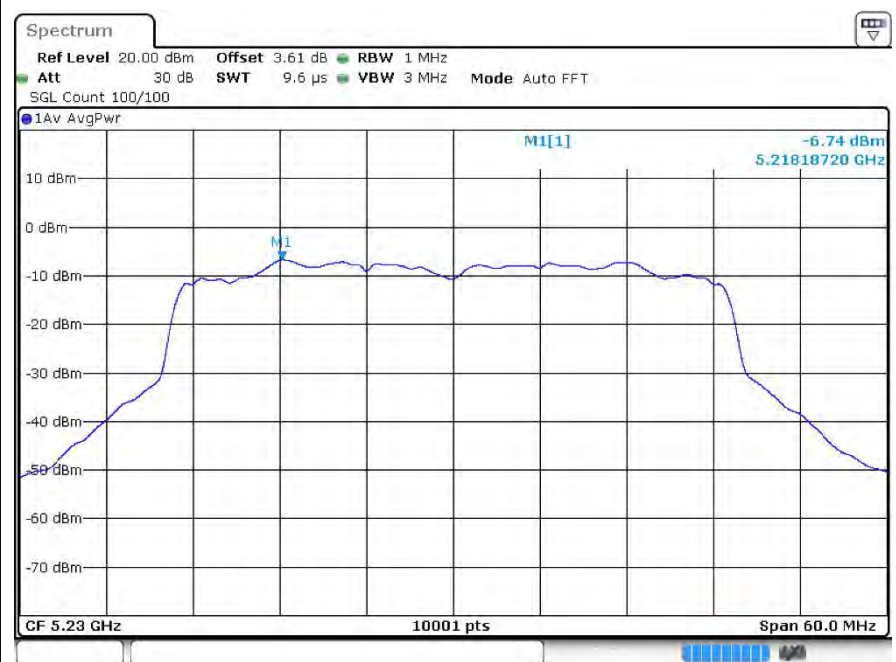




PSDax40 5190MHz Ant0



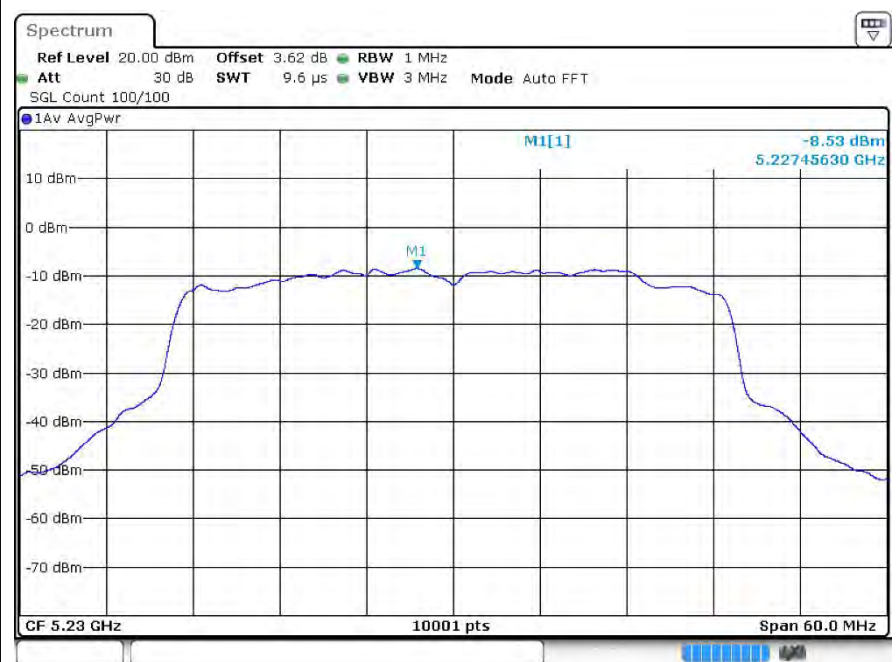
PSDax40 5230MHz Ant0



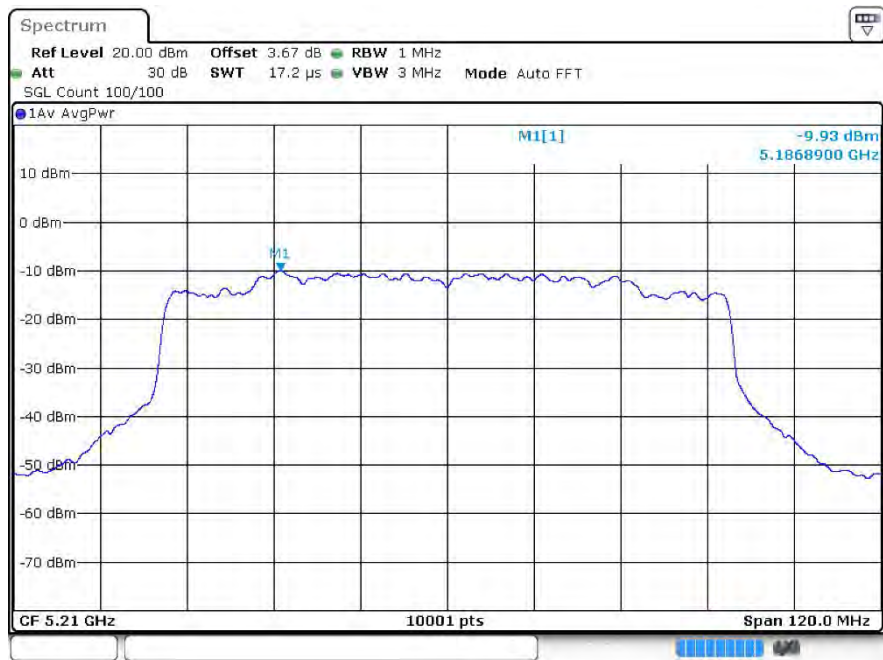
PSDax40 5190MHz Ant1



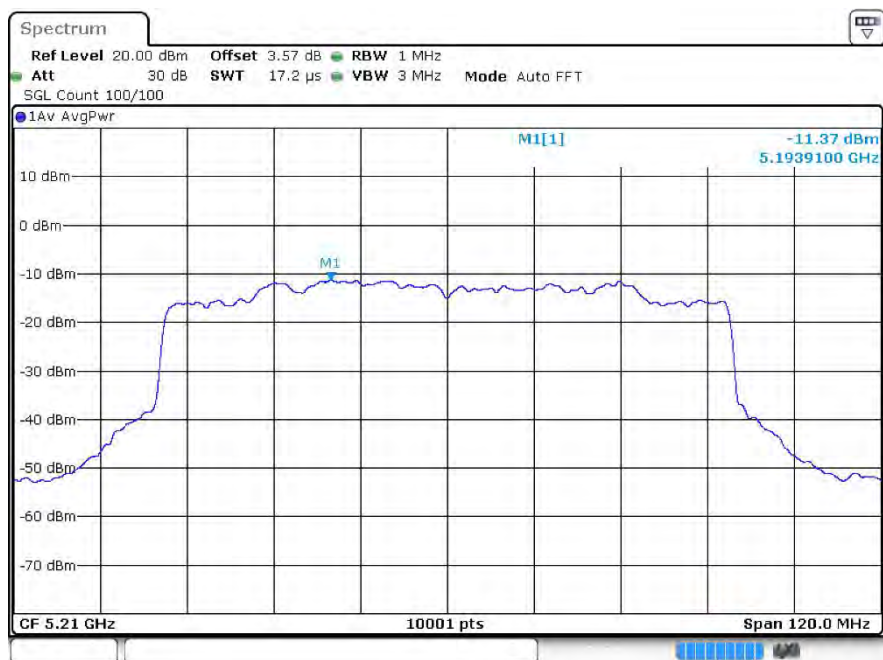
PSDax40 5230MHz Ant1



PSDax80 5210MHz Ant0



PSDax80 5210MHz Ant1





6 Frequency Stability

6.1 Test Result

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 102V	a	5180	Ant0	5179.96	-40000	-7.72	25	Pass
20C 120V	a	5180	Ant0	5179.94	-60000	-11.58	25	Pass
20C 138V	a	5180	Ant0	5179.96	-40000	-7.72	25	Pass
-20C 120V	a	5180	Ant0	5179.96	-40000	-7.72	25	Pass
-10C 120V	a	5180	Ant0	5179.96	-40000	-7.72	25	Pass
0C 120V	a	5180	Ant0	5179.96	-40000	-7.72	25	Pass
10C 120V	a	5180	Ant0	5179.96	-40000	-7.72	25	Pass
30C 120V	a	5180	Ant0	5179.94	-60000	-11.58	25	Pass
40C 120V	a	5180	Ant0	5179.92	-80000	-15.44	25	Pass
50C 120V	a	5180	Ant0	5179.94	-60000	-11.58	25	Pass
20C 102V	a	5200	Ant0	5199.96	-40000	-7.69	25	Pass
20C 120V	a	5200	Ant0	5199.94	-60000	-11.54	25	Pass
20C 138V	a	5200	Ant0	5199.96	-40000	-7.69	25	Pass
-20C 120V	a	5200	Ant0	5199.96	-40000	-7.69	25	Pass
-10C 120V	a	5200	Ant0	5199.94	-60000	-11.54	25	Pass
0C 120V	a	5200	Ant0	5199.96	-40000	-7.69	25	Pass
10C 120V	a	5200	Ant0	5199.96	-40000	-7.69	25	Pass
30C 120V	a	5200	Ant0	5199.96	-40000	-7.69	25	Pass
40C 120V	a	5200	Ant0	5199.94	-60000	-11.54	25	Pass
20C 102V	a	5200	Ant0	5199.96	-40000	-7.69	25	Pass
20C 102V	a	5240	Ant0	5239.92	-80000	-15.27	25	Pass
20C 120V	a	5240	Ant0	5239.96	-40000	-7.63	25	Pass
20C 138V	a	5240	Ant0	5239.94	-60000	-11.45	25	Pass
-20C 120V	a	5240	Ant0	5239.94	-60000	-11.45	25	Pass
-10C 120V	a	5240	Ant0	5239.94	-60000	-11.45	25	Pass
0C 120V	a	5240	Ant0	5239.94	-60000	-11.45	25	Pass
10C 120V	a	5240	Ant0	5239.94	-60000	-11.45	25	Pass
30C 120V	a	5240	Ant0	5239.92	-80000	-15.27	25	Pass
40C 120V	a	5240	Ant0	5239.94	-60000	-11.45	25	Pass
50C 120V	a	5240	Ant0	5239.96	-40000	-7.63	25	Pass
20C 102V	n20	5180	Ant0	5179.96	-40000	-7.72	25	Pass
20C 120V	n20	5180	Ant0	5179.94	-60000	-11.58	25	Pass
20C 138V	n20	5180	Ant0	5179.96	-40000	-7.72	25	Pass
-20C 120V	n20	5180	Ant0	5179.92	-80000	-15.44	25	Pass
-10C 120V	n20	5180	Ant0	5179.94	-60000	-11.58	25	Pass
0C 120V	n20	5180	Ant0	5179.96	-40000	-7.72	25	Pass



10C 120V	n20	5180	Ant0	5179.94	-60000	-11.58	25	Pass
30C 120V	n20	5180	Ant0	5179.94	-60000	-11.58	25	Pass
40C 120V	n20	5180	Ant0	5179.96	-40000	-7.72	25	Pass
50C 120V	n20	5180	Ant0	5179.96	-40000	-7.72	25	Pass
20C 102V	n20	5200	Ant0	5199.94	-60000	-11.54	25	Pass
20C 120V	n20	5200	Ant0	5199.96	-40000	-7.69	25	Pass
20C 138V	n20	5200	Ant0	5199.96	-40000	-7.69	25	Pass
-20C 120V	n20	5200	Ant0	5199.96	-40000	-7.69	25	Pass
-10C 120V	n20	5200	Ant0	5199.98	-20000	-3.85	25	Pass
0C 120V	n20	5200	Ant0	5199.92	-80000	-15.38	25	Pass
10C 120V	n20	5200	Ant0	5199.96	-40000	-7.69	25	Pass
30C 120V	n20	5200	Ant0	5199.94	-60000	-11.54	25	Pass
40C 120V	n20	5200	Ant0	5199.98	-20000	-3.85	25	Pass
50C 120V	n20	5200	Ant0	5199.96	-40000	-7.69	25	Pass
20C 102V	n20	5240	Ant0	5239.94	-60000	-11.45	25	Pass
20C 120V	n20	5240	Ant0	5239.92	-80000	-15.27	25	Pass
20C 138V	n20	5240	Ant0	5239.94	-60000	-11.45	25	Pass
-20C 120V	n20	5240	Ant0	5239.96	-40000	-7.63	25	Pass
-10C 120V	n20	5240	Ant0	5239.92	-80000	-15.27	25	Pass
0C 120V	n20	5240	Ant0	5239.94	-60000	-11.45	25	Pass
10C 120V	n20	5240	Ant0	5239.92	-80000	-15.27	25	Pass
30C 120V	n20	5240	Ant0	5239.94	-60000	-11.45	25	Pass
40C 120V	n20	5240	Ant0	5239.92	-80000	-15.27	25	Pass
50C 120V	n20	5240	Ant0	5239.94	-60000	-11.45	25	Pass
20C 102V	n40	5190	Ant0	5189.92	-80000	-15.41	25	Pass
20C 120V	n40	5190	Ant0	5189.92	-80000	-15.41	25	Pass
20C 138V	n40	5190	Ant0	5189.96	-40000	-7.71	25	Pass
-20C 120V	n40	5190	Ant0	5190	0	0	25	Pass
-10C 120V	n40	5190	Ant0	5189.92	-80000	-15.41	25	Pass
0C 120V	n40	5190	Ant0	5189.96	-40000	-7.71	25	Pass
10C 120V	n40	5190	Ant0	5189.92	-80000	-15.41	25	Pass
30C 120V	n40	5190	Ant0	5189.96	-40000	-7.71	25	Pass
40C 120V	n40	5190	Ant0	5189.96	-40000	-7.71	25	Pass
50C 120V	n40	5190	Ant0	5189.96	-40000	-7.71	25	Pass
20C 102V	n40	5230	Ant0	5229.92	-80000	-15.3	25	Pass
20C 120V	n40	5230	Ant0	5229.92	-80000	-15.3	25	Pass
20C 138V	n40	5230	Ant0	5229.96	-40000	-7.65	25	Pass
-20C 120V	n40	5230	Ant0	5229.92	-80000	-15.3	25	Pass
-10C 120V	n40	5230	Ant0	5229.92	-80000	-15.3	25	Pass
0C 120V	n40	5230	Ant0	5229.96	-40000	-7.65	25	Pass
10C 120V	n40	5230	Ant0	5229.96	-40000	-7.65	25	Pass
30C 120V	n40	5230	Ant0	5229.96	-40000	-7.65	25	Pass
40C 120V	n40	5230	Ant0	5229.96	-40000	-7.65	25	Pass



50C 120V	n40	5230	Ant0	5229.96	-40000	-7.65	25	Pass
20C 102V	ac20	5180	Ant0	5179.94	-60000	-11.58	25	Pass
20C 120V	ac20	5180	Ant0	5179.94	-60000	-11.58	25	Pass
20C 138V	ac20	5180	Ant0	5179.92	-80000	-15.44	25	Pass
-20C 120V	ac20	5180	Ant0	5179.96	-40000	-7.72	25	Pass
-10C 120V	ac20	5180	Ant0	5179.9	-100000	-19.31	25	Pass
0C 120V	ac20	5180	Ant0	5179.96	-40000	-7.72	25	Pass
10C 120V	ac20	5180	Ant0	5179.98	-20000	-3.86	25	Pass
30C 120V	ac20	5180	Ant0	5179.96	-40000	-7.72	25	Pass
40C 120V	ac20	5180	Ant0	5179.96	-40000	-7.72	25	Pass
50C 120V	ac20	5180	Ant0	5180	0	0	25	Pass
20C 102V	ac20	5200	Ant0	5199.94	-60000	-11.54	25	Pass
20C 120V	ac20	5200	Ant0	5199.96	-40000	-7.69	25	Pass
20C 138V	ac20	5200	Ant0	5199.98	-20000	-3.85	25	Pass
-20C 120V	ac20	5200	Ant0	5199.94	-60000	-11.54	25	Pass
-10C 120V	ac20	5200	Ant0	5199.94	-60000	-11.54	25	Pass
0C 120V	ac20	5200	Ant0	5199.96	-40000	-7.69	25	Pass
10C 120V	ac20	5200	Ant0	5199.96	-40000	-7.69	25	Pass
30C 120V	ac20	5200	Ant0	5199.96	-40000	-7.69	25	Pass
40C 120V	ac20	5200	Ant0	5199.96	-40000	-7.69	25	Pass
50C 120V	ac20	5200	Ant0	5199.94	-60000	-11.54	25	Pass
20C 102V	ac20	5240	Ant0	5239.94	-60000	-11.45	25	Pass
20C 120V	ac20	5240	Ant0	5239.94	-60000	-11.45	25	Pass
20C 138V	ac20	5240	Ant0	5239.94	-60000	-11.45	25	Pass
-20C 120V	ac20	5240	Ant0	5239.94	-60000	-11.45	25	Pass
-10C 120V	ac20	5240	Ant0	5239.94	-60000	-11.45	25	Pass
0C 120V	ac20	5240	Ant0	5239.96	-40000	-7.63	25	Pass
10C 120V	ac20	5240	Ant0	5239.94	-60000	-11.45	25	Pass
30C 120V	ac20	5240	Ant0	5239.94	-60000	-11.45	25	Pass
40C 120V	ac20	5240	Ant0	5239.98	-20000	-3.82	25	Pass
50C 120V	ac20	5240	Ant0	5239.94	-60000	-11.45	25	Pass
20C 102V	ac40	5190	Ant0	5189.96	-40000	-7.71	25	Pass
20C 120V	ac40	5190	Ant0	5189.92	-80000	-15.41	25	Pass
20C 138V	ac40	5190	Ant0	5189.92	-80000	-15.41	25	Pass
-20C 120V	ac40	5190	Ant0	5189.92	-80000	-15.41	25	Pass
-10C 120V	ac40	5190	Ant0	5189.92	-80000	-15.41	25	Pass
0C 120V	ac40	5190	Ant0	5189.96	-40000	-7.71	25	Pass
10C 120V	ac40	5190	Ant0	5189.96	-40000	-7.71	25	Pass
30C 120V	ac40	5190	Ant0	5189.96	-40000	-7.71	25	Pass
40C 120V	ac40	5190	Ant0	5189.92	-80000	-15.41	25	Pass
50C 120V	ac40	5190	Ant0	5189.92	-80000	-15.41	25	Pass
20C 102V	ac40	5230	Ant0	5229.96	-40000	-7.65	25	Pass
20C 120V	ac40	5230	Ant0	5229.92	-80000	-15.3	25	Pass



20C 138V	ac40	5230	Ant0	5229.92	-80000	-15.3	25	Pass
-20C 120V	ac40	5230	Ant0	5229.96	-40000	-7.65	25	Pass
-10C 120V	ac40	5230	Ant0	5229.92	-80000	-15.3	25	Pass
0C 120V	ac40	5230	Ant0	5229.92	-80000	-15.3	25	Pass
10C 120V	ac40	5230	Ant0	5229.92	-80000	-15.3	25	Pass
30C 120V	ac40	5230	Ant0	5229.92	-80000	-15.3	25	Pass
40C 120V	ac40	5230	Ant0	5229.96	-40000	-7.65	25	Pass
50C 120V	ac40	5230	Ant0	5229.96	-40000	-7.65	25	Pass
20C 102V	ac80	5210	Ant0	5210	0	0	25	Pass
20C 120V	ac80	5210	Ant0	5210	0	0	25	Pass
20C 138V	ac80	5210	Ant0	5209.92	-80000	-15.36	25	Pass
-20C 120V	ac80	5210	Ant0	5209.76	-240000	-46.07	25	Pass
-10C 120V	ac80	5210	Ant0	5210.16	160000	30.71	25	Pass
0C 120V	ac80	5210	Ant0	5209.92	-80000	-15.36	25	Pass
10C 120V	ac80	5210	Ant0	5209.76	-240000	-46.07	25	Pass
30C 120V	ac80	5210	Ant0	5210	0	0	25	Pass
40C 120V	ac80	5210	Ant0	5209.92	-80000	-15.36	25	Pass
50C 120V	ac80	5210	Ant0	5209.92	-80000	-15.36	25	Pass
20C 102V	ax20	5180	Ant0	5179.96	-40000	-7.72	25	Pass
20C 120V	ax20	5180	Ant0	5179.96	-40000	-7.72	25	Pass
20C 138V	ax20	5180	Ant0	5179.96	-40000	-7.72	25	Pass
-20C 120V	ax20	5180	Ant0	5179.96	-40000	-7.72	25	Pass
-10C 120V	ax20	5180	Ant0	5179.96	-40000	-7.72	25	Pass
0C 120V	ax20	5180	Ant0	5179.92	-80000	-15.44	25	Pass
10C 120V	ax20	5180	Ant0	5179.94	-60000	-11.58	25	Pass
30C 120V	ax20	5180	Ant0	5179.96	-40000	-7.72	25	Pass
40C 120V	ax20	5180	Ant0	5179.96	-40000	-7.72	25	Pass
50C 120V	ax20	5180	Ant0	5180.02	20000	3.86	25	Pass
20C 102V	ax20	5200	Ant0	5199.96	-40000	-7.69	25	Pass
20C 120V	ax20	5200	Ant0	5199.96	-40000	-7.69	25	Pass
20C 138V	ax20	5200	Ant0	5199.96	-40000	-7.69	25	Pass
-20C 120V	ax20	5200	Ant0	5199.94	-60000	-11.54	25	Pass
-10C 120V	ax20	5200	Ant0	5199.94	-60000	-11.54	25	Pass
0C 120V	ax20	5200	Ant0	5199.96	-40000	-7.69	25	Pass
10C 120V	ax20	5200	Ant0	5199.96	-40000	-7.69	25	Pass
30C 120V	ax20	5200	Ant0	5199.96	-40000	-7.69	25	Pass
40C 120V	ax20	5200	Ant0	5199.94	-60000	-11.54	25	Pass
50C 120V	ax20	5200	Ant0	5199.96	-40000	-7.69	25	Pass
20C 102V	ax20	5240	Ant0	5239.94	-60000	-11.45	25	Pass
20C 120V	ax20	5240	Ant0	5239.94	-60000	-11.45	25	Pass
20C 138V	ax20	5240	Ant0	5239.96	-40000	-7.63	25	Pass
-20C 120V	ax20	5240	Ant0	5239.96	-40000	-7.63	25	Pass
-10C 120V	ax20	5240	Ant0	5239.94	-60000	-11.45	25	Pass



0C 120V	ax20	5240	Ant0	5239.96	-40000	-7.63	25	Pass
10C 120V	ax20	5240	Ant0	5239.96	-40000	-7.63	25	Pass
30C 120V	ax20	5240	Ant0	5239.96	-40000	-7.63	25	Pass
40C 120V	ax20	5240	Ant0	5239.96	-40000	-7.63	25	Pass
50C 120V	ax20	5240	Ant0	5239.94	-60000	-11.45	25	Pass
20C 102V	ax40	5190	Ant0	5189.92	-80000	-15.41	25	Pass
20C 120V	ax40	5190	Ant0	5189.92	-80000	-15.41	25	Pass
20C 138V	ax40	5190	Ant0	5189.92	-80000	-15.41	25	Pass
-20C 120V	ax40	5190	Ant0	5189.96	-40000	-7.71	25	Pass
-10C 120V	ax40	5190	Ant0	5189.88	-120000	-23.12	25	Pass
0C 120V	ax40	5190	Ant0	5189.92	-80000	-15.41	25	Pass
10C 120V	ax40	5190	Ant0	5190	0	0	25	Pass
30C 120V	ax40	5190	Ant0	5189.96	-40000	-7.71	25	Pass
40C 120V	ax40	5190	Ant0	5189.96	-40000	-7.71	25	Pass
50C 120V	ax40	5190	Ant0	5189.96	-40000	-7.71	25	Pass
20C 102V	ax40	5230	Ant0	5229.96	-40000	-7.65	25	Pass
20C 120V	ax40	5230	Ant0	5229.96	-40000	-7.65	25	Pass
20C 138V	ax40	5230	Ant0	5229.96	-40000	-7.65	25	Pass
-20C 120V	ax40	5230	Ant0	5229.92	-80000	-15.3	25	Pass
-10C 120V	ax40	5230	Ant0	5229.96	-40000	-7.65	25	Pass
0C 120V	ax40	5230	Ant0	5229.96	-40000	-7.65	25	Pass
10C 120V	ax40	5230	Ant0	5230	0	0	25	Pass
30C 120V	ax40	5230	Ant0	5229.96	-40000	-7.65	25	Pass
40C 120V	ax40	5230	Ant0	5230	0	0	25	Pass
50C 120V	ax40	5230	Ant0	5229.96	-40000	-7.65	25	Pass
20C 102V	ax80	5210	Ant0	5210	0	0	25	Pass
20C 120V	ax80	5210	Ant0	5209.92	-80000	-15.36	25	Pass
20C 138V	ax80	5210	Ant0	5209.92	-80000	-15.36	25	Pass
-20C 120V	ax80	5210	Ant0	5210.08	80000	15.36	25	Pass
-10C 120V	ax80	5210	Ant0	5210	0	0	25	Pass
0C 120V	ax80	5210	Ant0	5209.92	-80000	-15.36	25	Pass
10C 120V	ax80	5210	Ant0	5210	0	0	25	Pass
30C 120V	ax80	5210	Ant0	5210	0	0	25	Pass
40C 120V	ax80	5210	Ant0	5209.84	-160000	-30.71	25	Pass
50C 120V	ax80	5210	Ant0	5210	0	0	25	Pass
20C 102V	a	5180	Ant1	5180	0	0	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	5179.96	-40000	-7.72	25	Pass
10C 120V	a	5180	Ant1	5179.94	-60000	-11.58	25	Pass
30C 120V	a	5180	Ant1	5179.96	-40000	-7.72	25	Pass



40C 120V	a	5180	Ant1	5179.94	-60000	-11.58	25	Pass
50C 120V	a	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 102V	a	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 120V	a	5200	Ant1	5199.94	-60000	-11.54	25	Pass
20C 138V	a	5200	Ant1	5199.96	-40000	-7.69	25	Pass
-20C 120V	a	5200	Ant1	5199.98	-20000	-3.85	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	5199.94	-60000	-11.54	25	Pass
30C 120V	a	5200	Ant1	5199.96	-40000	-7.69	25	Pass
40C 120V	a	5200	Ant1	5199.92	-80000	-15.38	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	5239.94	-60000	-11.45	25	Pass
-20C 120V	a	5240	Ant1	5239.94	-60000	-11.45	25	Pass
-10C 120V	a	5240	Ant1	5239.94	-60000	-11.45	25	Pass
0C 120V	a	5240	Ant1	5239.92	-80000	-15.27	25	Pass
10C 120V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
30C 120V	a	5240	Ant1	5239.92	-80000	-15.27	25	Pass
40C 120V	a	5240	Ant1	5239.94	-60000	-11.45	25	Pass
50C 120V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 102V	n20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
20C 120V	n20	5180	Ant1	5179.94	-60000	-11.58	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	5179.92	-80000	-15.44	25	Pass
10C 120V	n20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
30C 120V	n20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
40C 120V	n20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
50C 120V	n20	5180	Ant1	5179.94	-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	5199.96	-40000	-7.69	25	Pass
-10C 120V	n20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
0C 120V	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
10C 120V	n20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
30C 120V	n20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
40C 120V	n20	5200	Ant1	5199.96	-40000	-7.69	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	5239.96	-40000	-7.63	25	Pass
20C 138V	n20	5240	Ant1	5239.92	-80000	-15.27	25	Pass
-20C 120V	n20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-10C 120V	n20	5240	Ant1	5240.02	20000	3.82	25	Pass
0C 120V	n20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
10C 120V	n20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
30C 120V	n20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
40C 120V	n20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
50C 120V	n20	5240	Ant1	5239.96	-40000	-7.63	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	5189.96	-40000	-7.71	25	Pass
-20C 120V	n40	5190	Ant1	5190	0	0	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	5190	0	0	25	Pass
30C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
40C 120V	n40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
50C 120V	n40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
20C 102V	n40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
20C 120V	n40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
20C 138V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
-20C 120V	n40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
-10C 120V	n40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
0C 120V	n40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
10C 120V	n40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
30C 120V	n40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
40C 120V	n40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
50C 120V	n40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
20C 102V	ac20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 120V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 138V	ac20	5180	Ant1	5179.96	-40000	-7.72	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	5179.94	-60000	-11.58	25	Pass
10C 120V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
30C 120V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
40C 120V	ac20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
50C 120V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 102V	ac20	5200	Ant1	5199.92	-80000	-15.38	25	Pass
20C 120V	ac20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
20C 138V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
-20C 120V	ac20	5200	Ant1	5199.96	-40000	-7.69	25	Pass



-10C 120V	ac20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
0C 120V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
10C 120V	ac20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
30C 120V	ac20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
40C 120V	ac20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
50C 120V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 102V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 120V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 138V	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-20C 120V	ac20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
-10C 120V	ac20	5240	Ant1	5239.94	-60000	-11.45	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	5240.06	60000	11.45	25	Pass
40C 120V	ac20	5240	Ant1	5239.92	-80000	-15.27	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	5189.96	-40000	-7.71	25	Pass
-10C 120V	ac40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
0C 120V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
10C 120V	ac40	5190	Ant1	5189.92	-80000	-15.41	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	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	5230	0	0	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	5230	0	0	25	Pass
30C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
40C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
50C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 102V	ac80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
20C 120V	ac80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
20C 138V	ac80	5210	Ant1	5210.08	80000	15.36	25	Pass
-20C 120V	ac80	5210	Ant1	5209.76	-240000	-46.07	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	5209.92	-80000	-15.36	25	Pass
20C 102V	ax20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
20C 120V	ax20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 138V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
-20C 120V	ax20	5180	Ant1	5179.98	-20000	-3.86	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	5179.98	-20000	-3.86	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	5179.96	-40000	-7.72	25	Pass
20C 102V	ax20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 120V	ax20	5200	Ant1	5199.92	-80000	-15.38	25	Pass
20C 138V	ax20	5200	Ant1	5199.92	-80000	-15.38	25	Pass
-20C 120V	ax20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
-10C 120V	ax20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
0C 120V	ax20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
10C 120V	ax20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
30C 120V	ax20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
40C 120V	ax20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
50C 120V	ax20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 102V	ax20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
20C 120V	ax20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 138V	ax20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-20C 120V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-10C 120V	ax20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
0C 120V	ax20	5240	Ant1	5239.96	-40000	-7.63	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	5189.92	-80000	-15.41	25	Pass
20C 138V	ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
-20C 120V	ax40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
-10C 120V	ax40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
0C 120V	ax40	5190	Ant1	5190	0	0	25	Pass
10C 120V	ax40	5190	Ant1	5190	0	0	25	Pass
30C 120V	ax40	5190	Ant1	5189.84	-160000	-30.83	25	Pass
40C 120V	ax40	5190	Ant1	5189.92	-80000	-15.41	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	5229.88	-120000	-22.94	25	Pass
-10C 120V	ax40	5230	Ant1	5230.04	40000	7.65	25	Pass
0C 120V	ax40	5230	Ant1	5229.84	-160000	-30.59	25	Pass
10C 120V	ax40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
30C 120V	ax40	5230	Ant1	5229.84	-160000	-30.59	25	Pass
40C 120V	ax40	5230	Ant1	5229.84	-160000	-30.59	25	Pass
50C 120V	ax40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 102V	ax80	5210	Ant1	5210	0	0	25	Pass
20C 120V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
20C 138V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
-20C 120V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
-10C 120V	ax80	5210	Ant1	5210	0	0	25	Pass
0C 120V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
10C 120V	ax80	5210	Ant1	5209.76	-240000	-46.07	25	Pass
30C 120V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
40C 120V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
50C 120V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass



7 Conducted RF Spurious Emission

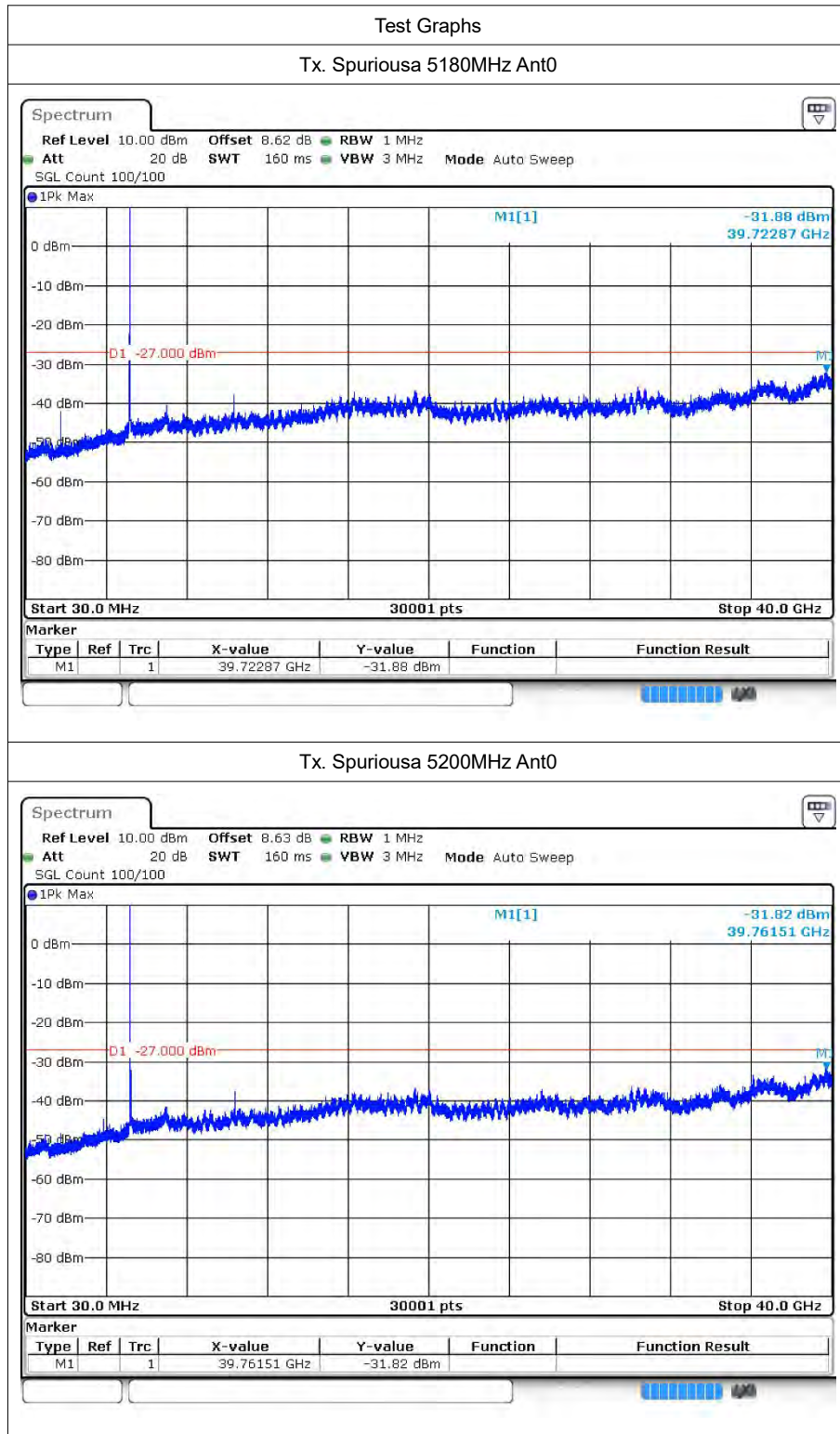
7.1 Test Result

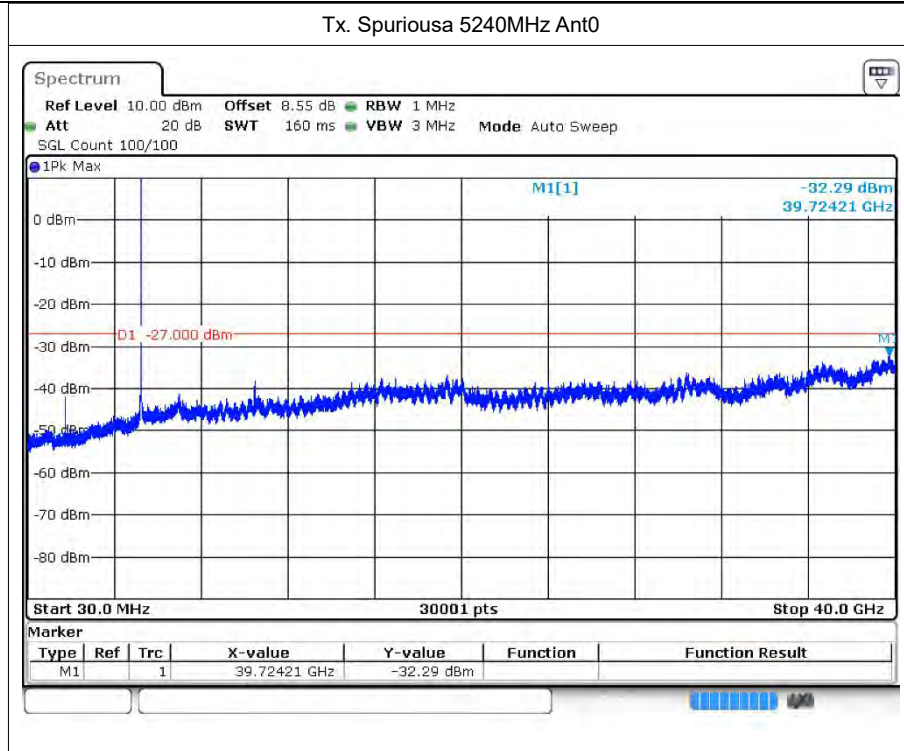
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
a	5180	Ant0	-31.87	-27	Pass
a	5200	Ant0	-31.82	-27	Pass
a	5240	Ant0	-32.28	-27	Pass
n20	5180	Ant0	-31.81	-27	Pass
n20	5200	Ant0	-31.01	-27	Pass
n20	5240	Ant0	-31.24	-27	Pass
n40	5190	Ant0	-32.28	-27	Pass
n40	5230	Ant0	-32.18	-27	Pass
ac20	5180	Ant0	-32.33	-27	Pass
ac20	5200	Ant0	-31.56	-27	Pass
ac20	5240	Ant0	-32.29	-27	Pass
ac40	5190	Ant0	-32.38	-27	Pass
ac40	5230	Ant0	-31.71	-27	Pass
ac80	5210	Ant0	-31.73	-27	Pass
ax20	5180	Ant0	-30.98	-27	Pass
ax20	5200	Ant0	-32.14	-27	Pass
ax20	5240	Ant0	-32.26	-27	Pass
ax40	5190	Ant0	-32.21	-27	Pass
ax40	5230	Ant0	-31.16	-27	Pass
ax80	5210	Ant0	-31.49	-27	Pass
a	5180	Ant1	-31.28	-27	Pass
a	5200	Ant1	-31.26	-27	Pass
a	5240	Ant1	-30.96	-27	Pass
n20	5180	Ant1	-31.85	-27	Pass
n20	5200	Ant1	-30.83	-27	Pass
n20	5240	Ant1	-30.51	-27	Pass
n40	5190	Ant1	-31.31	-27	Pass
n40	5230	Ant1	-31.31	-27	Pass
ac20	5180	Ant1	-30.75	-27	Pass
ac20	5200	Ant1	-30.65	-27	Pass
ac20	5240	Ant1	-30.57	-27	Pass
ac40	5190	Ant1	-31.26	-27	Pass
ac40	5230	Ant1	-30.8	-27	Pass
ac80	5210	Ant1	-30.99	-27	Pass
ax20	5180	Ant1	-31.26	-27	Pass
ax20	5200	Ant1	-31.15	-27	Pass
ax20	5240	Ant1	-30.62	-27	Pass



ax40	5190	Ant1	-31.06	-27	Pass
ax40	5230	Ant1	-31.17	-27	Pass
ax80	5210	Ant1	-31.4	-27	Pass

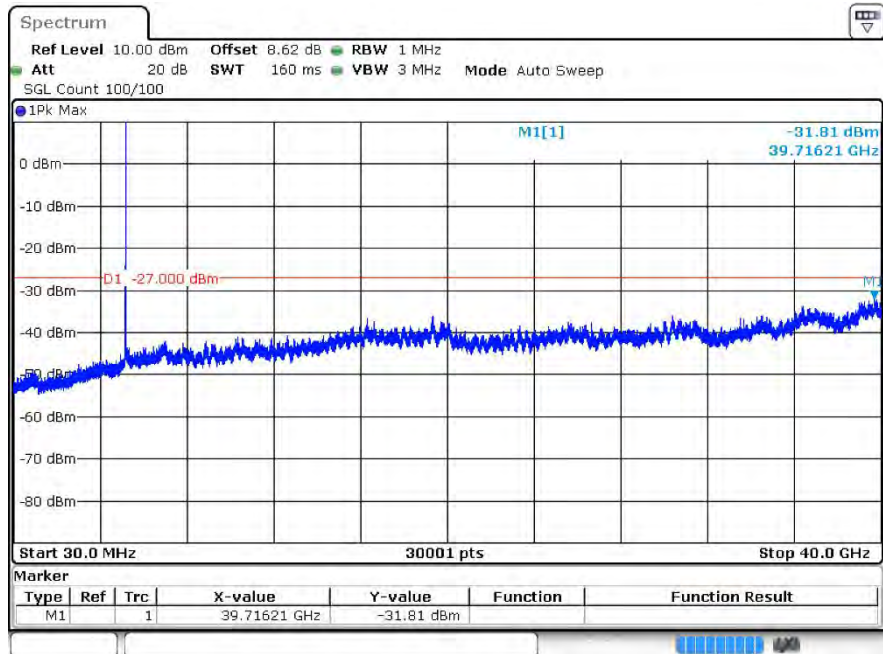
7.2 Test Graphs



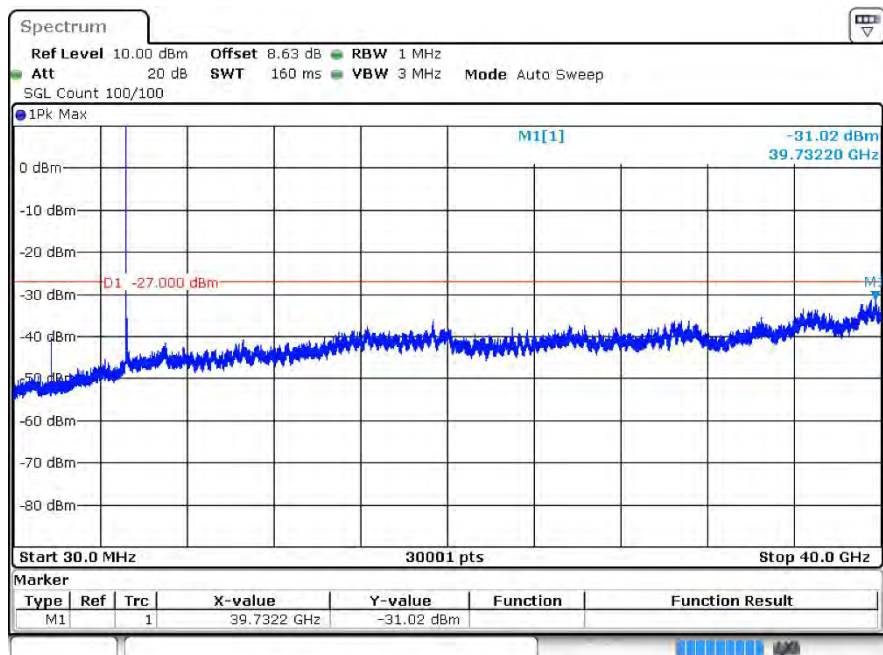


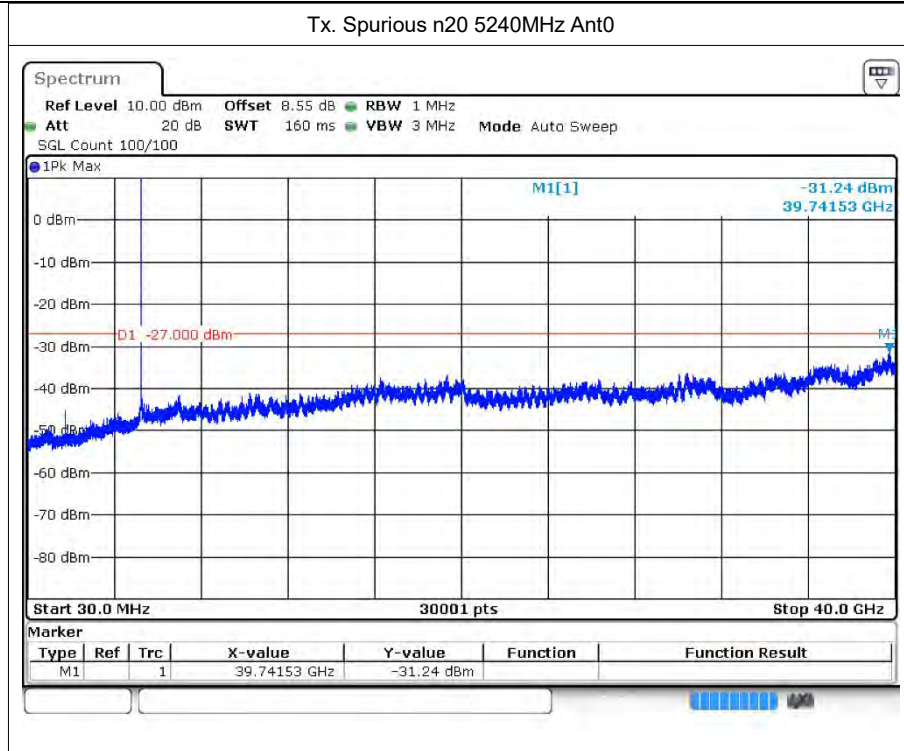


Tx. Spurious n20 5180MHz Ant0



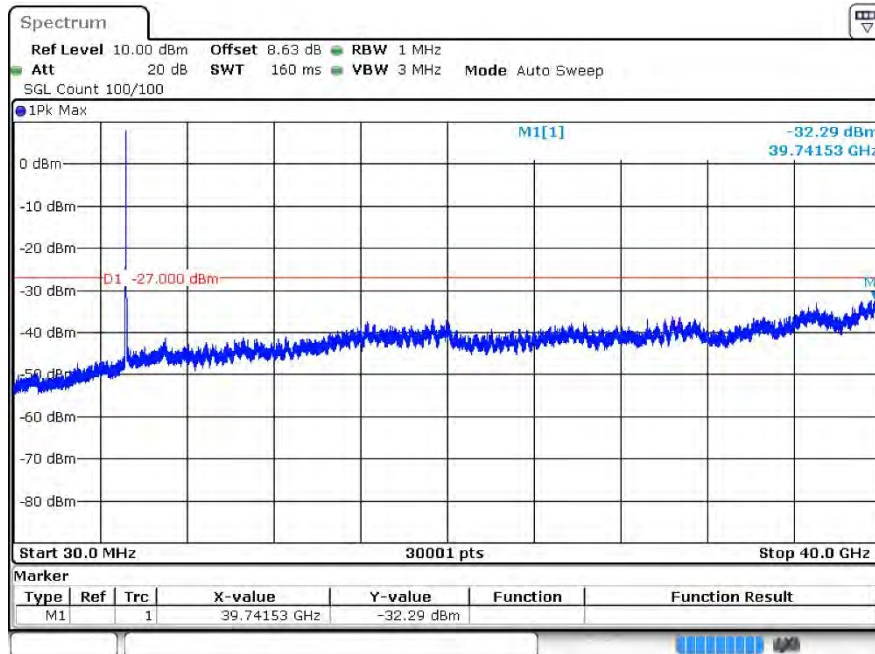
Tx. Spurious n20 5200MHz Ant0



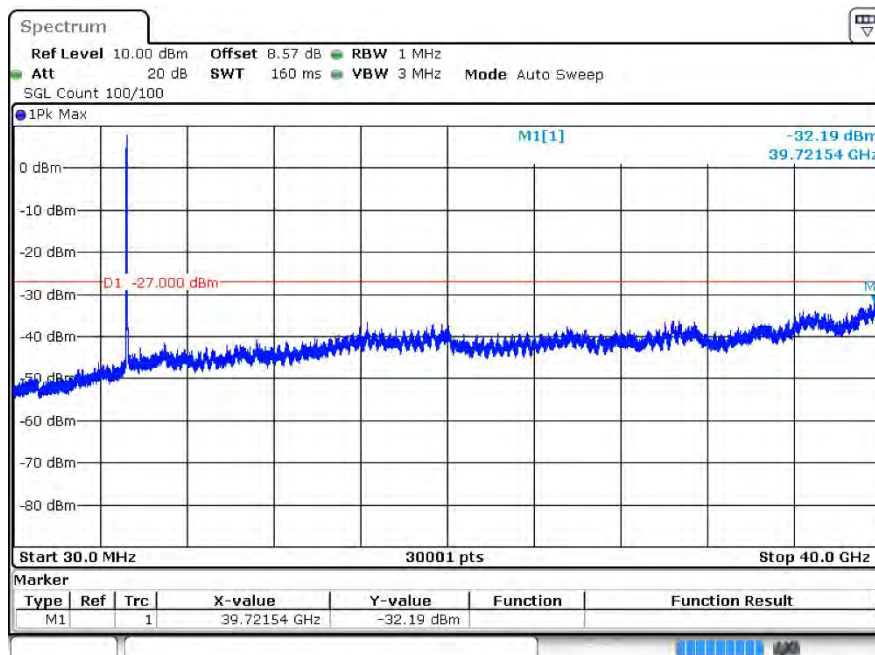




Tx. Spuriousn40 5190MHz Ant0

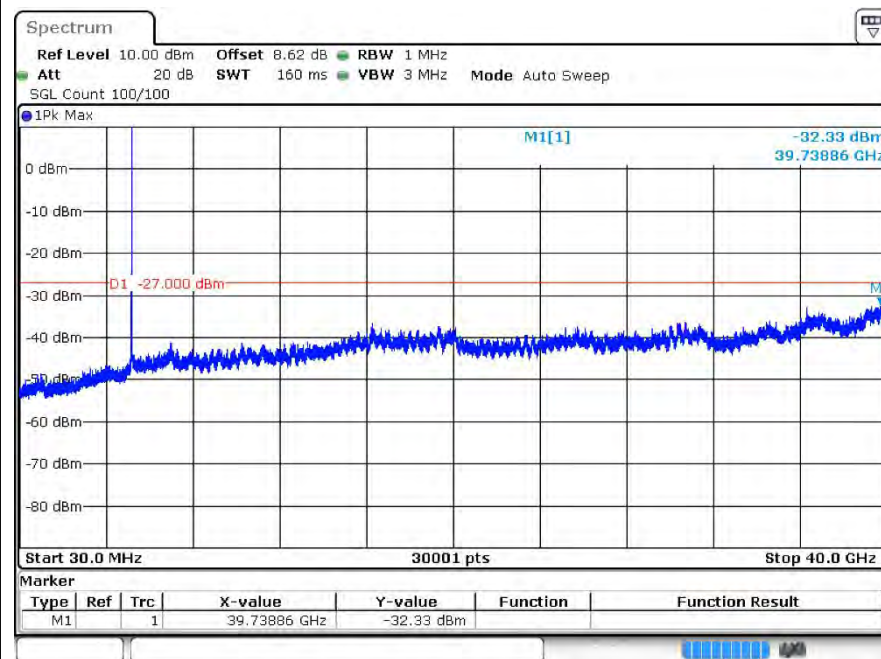


Tx. Spuriousn40 5230MHz Ant0

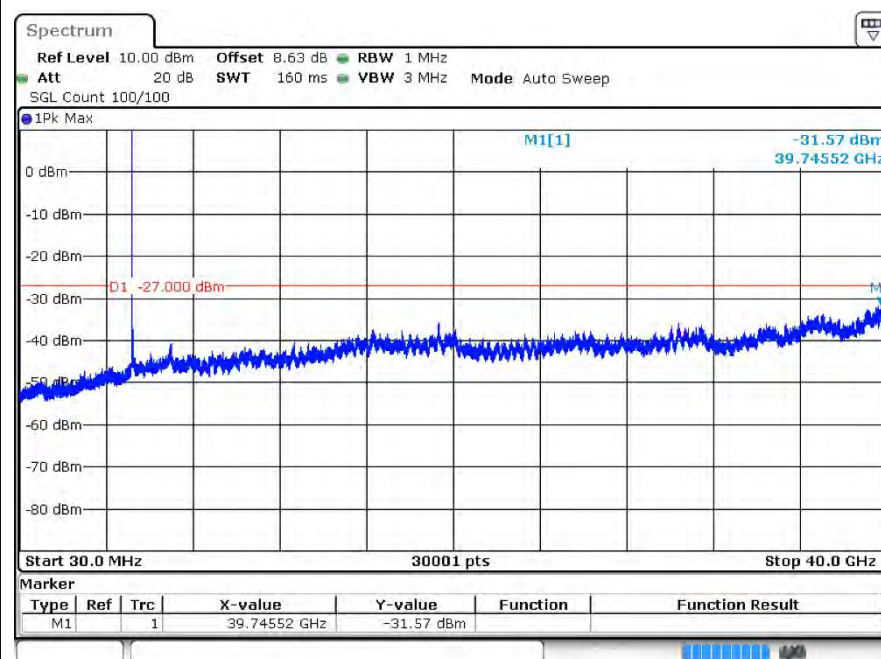


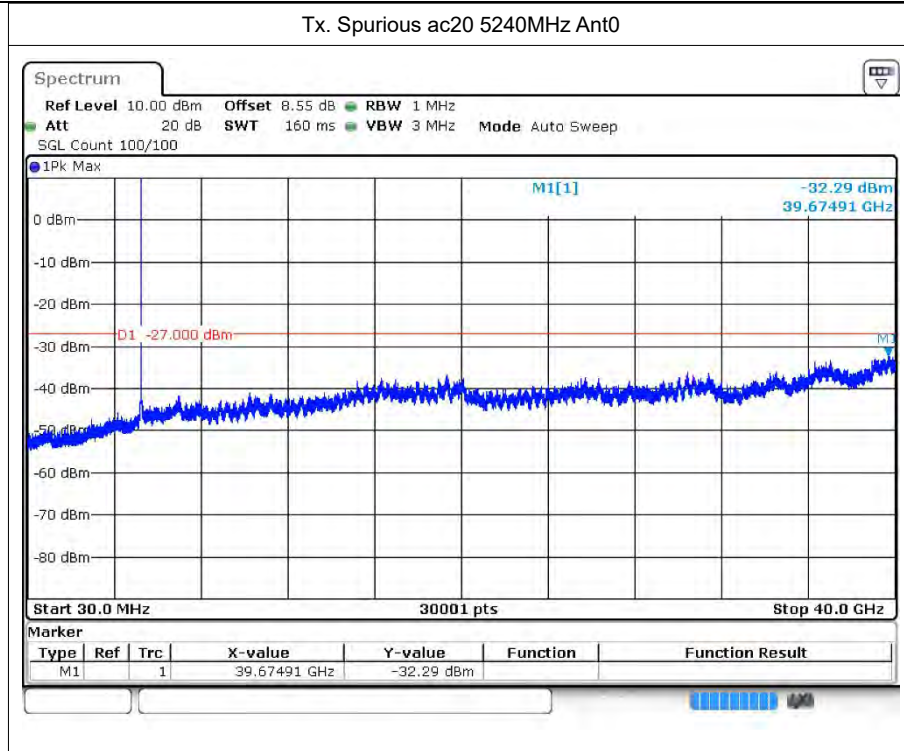


Tx. Spurious ac20 5180MHz Ant0



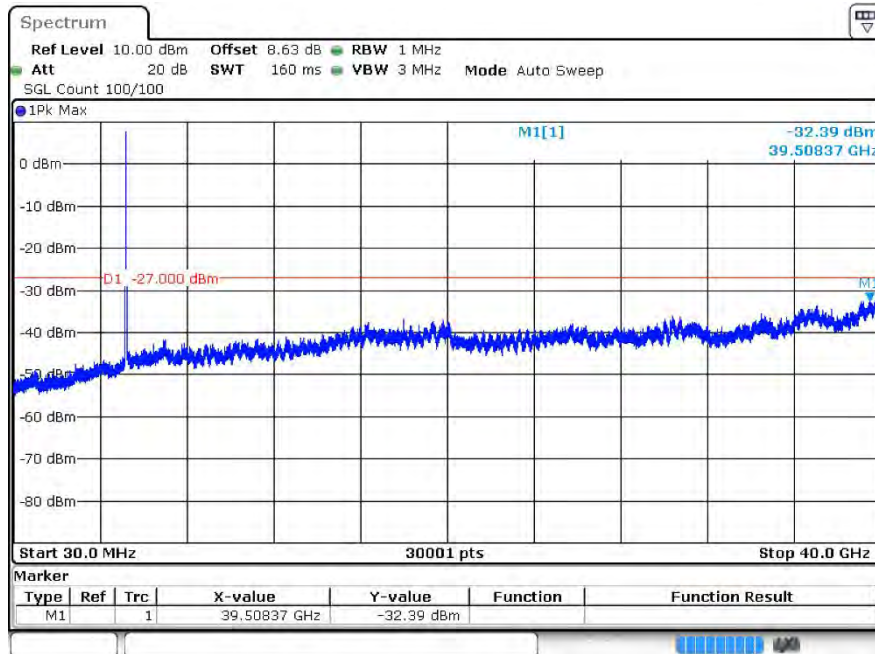
Tx. Spurious ac20 5200MHz Ant0



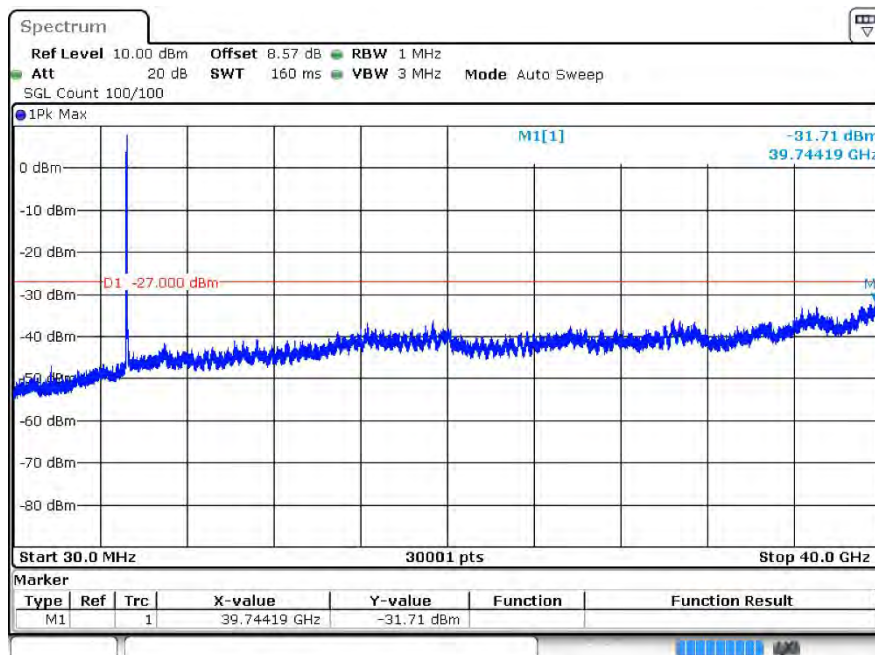


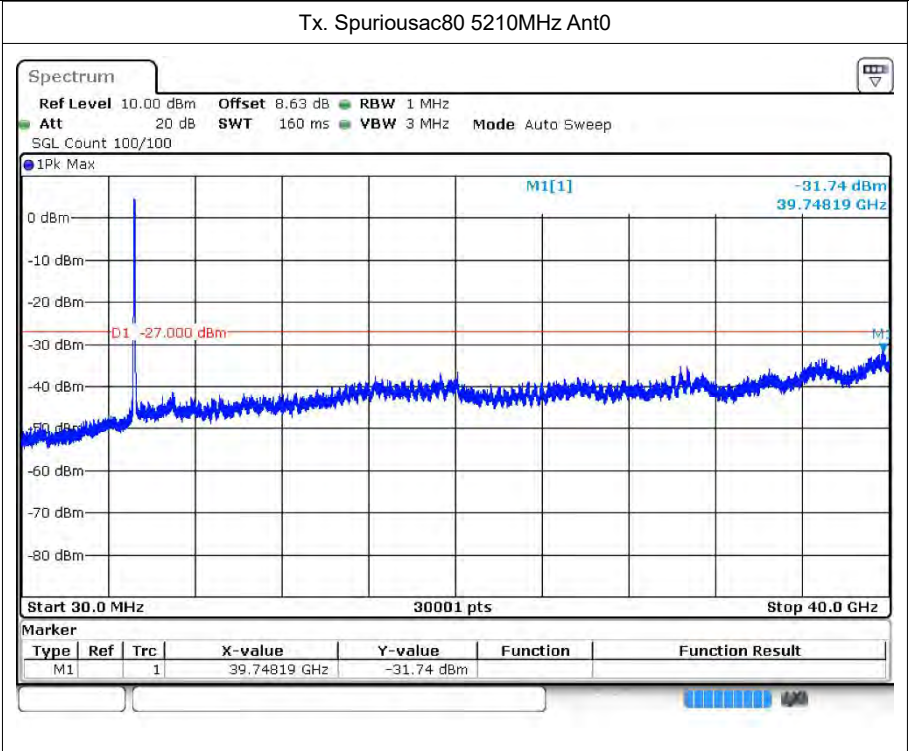


Tx. Spuriousac40 5190MHz Ant0



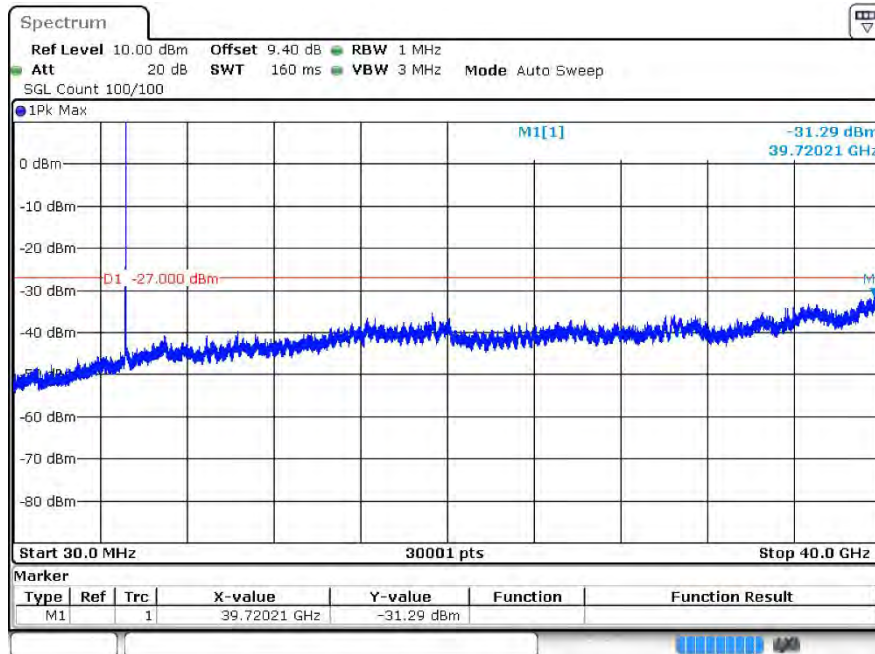
Tx. Spuriousac40 5230MHz Ant0



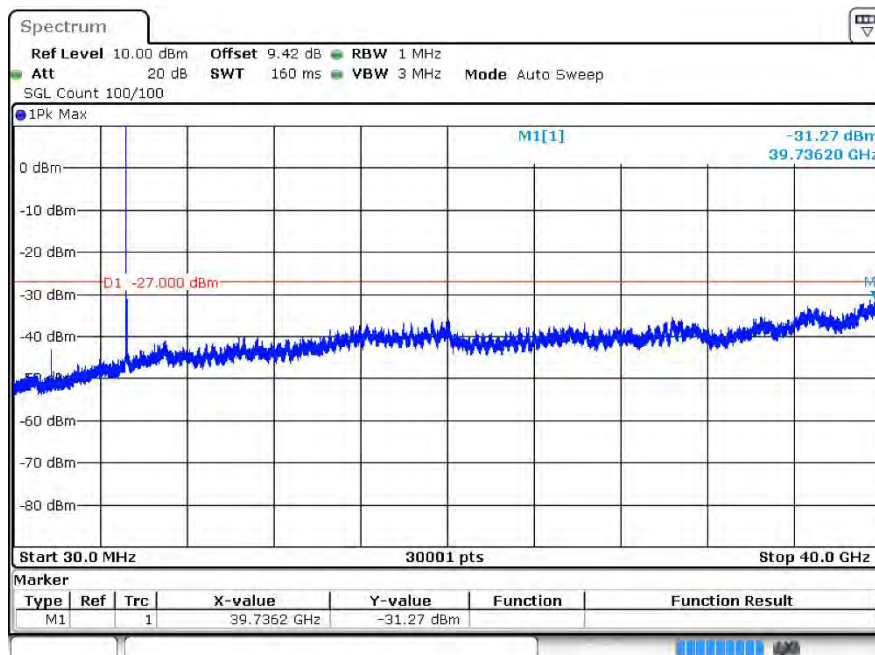




Tx. Spuriousa 5180MHz Ant1

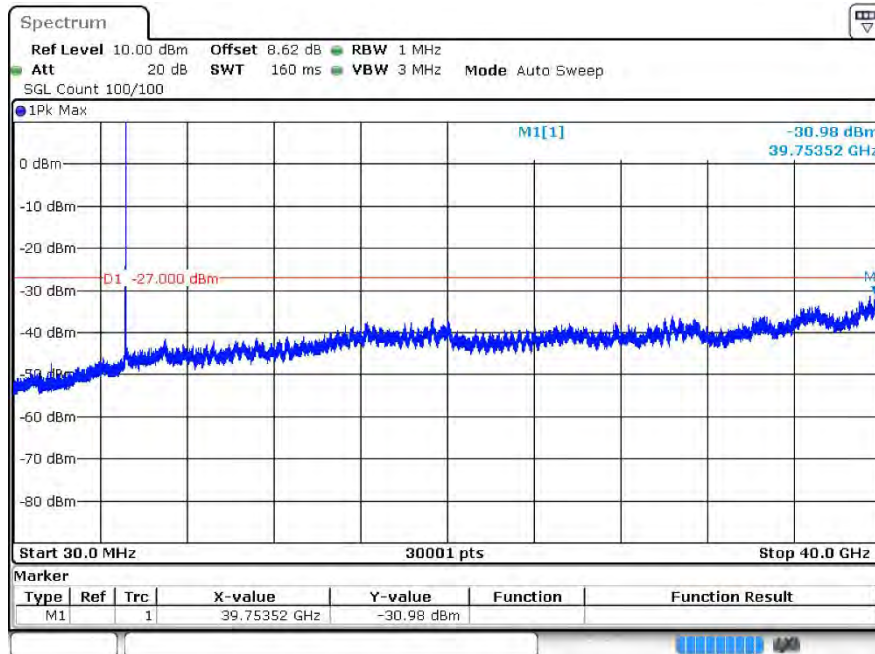


Tx. Spuriousa 5200MHz Ant1

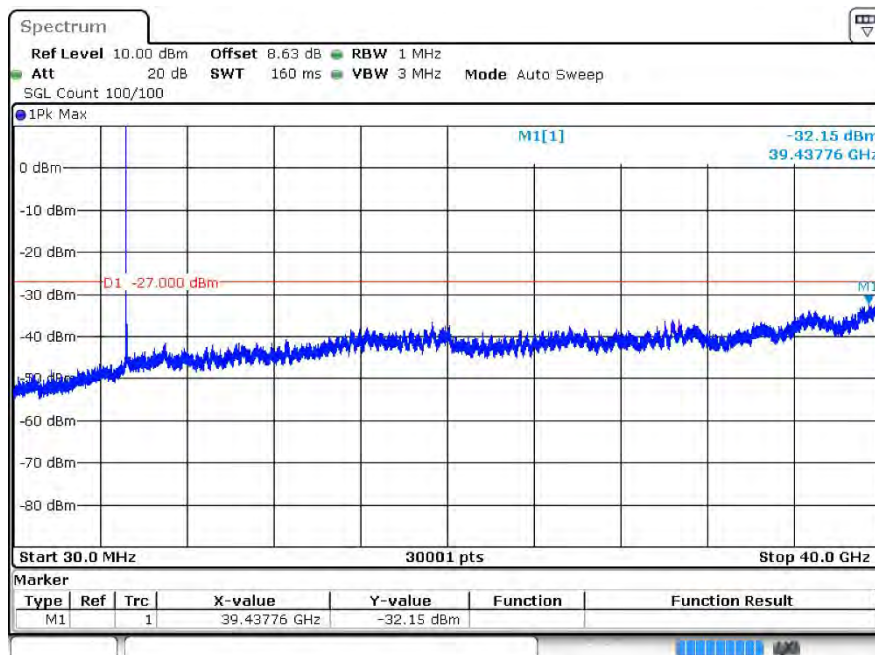


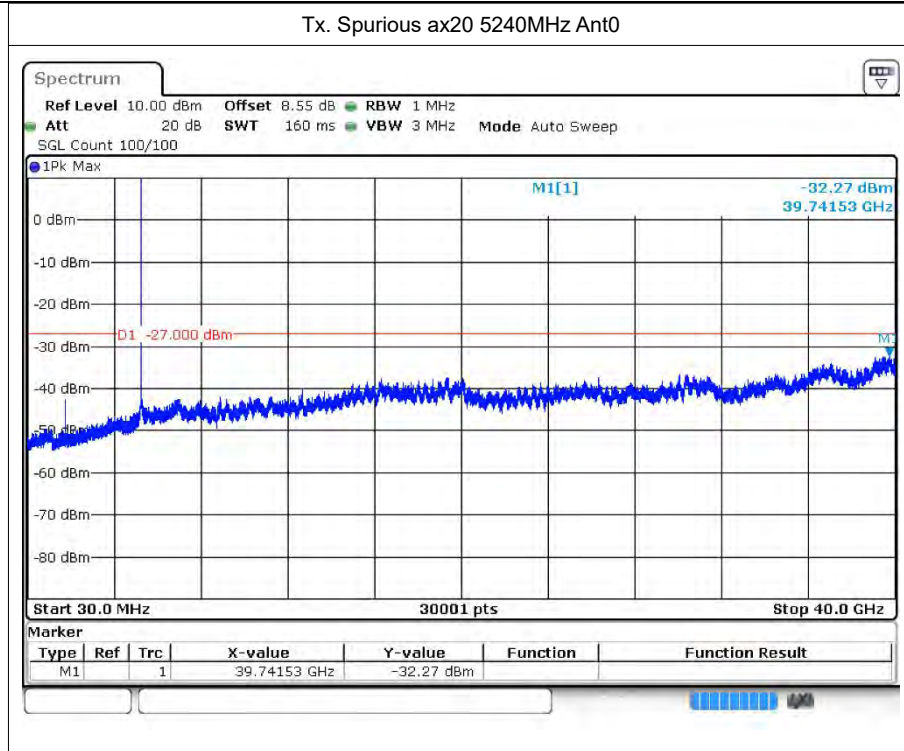


Tx. Spurious ax20 5180MHz Ant0



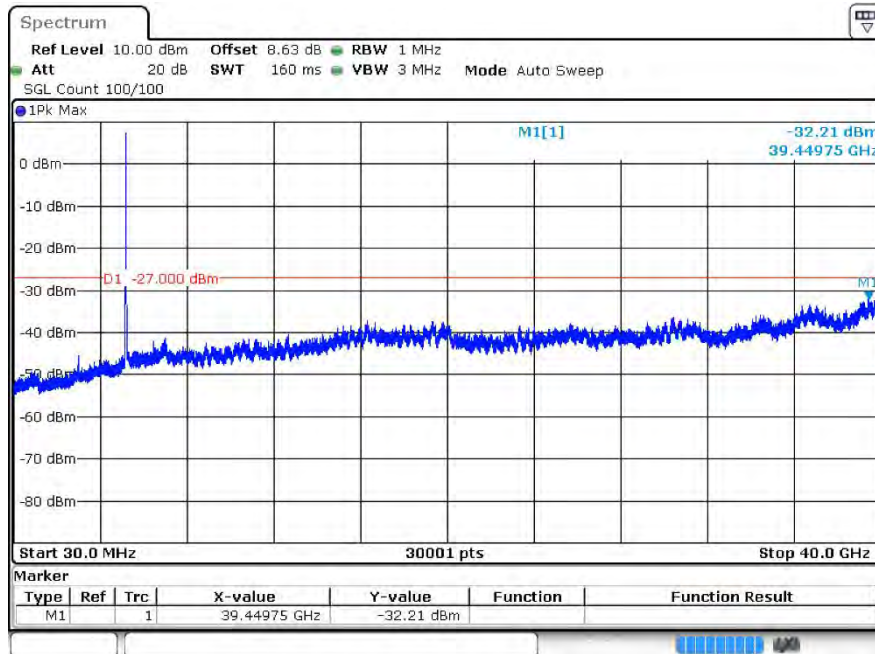
Tx. Spurious ax20 5200MHz Ant0



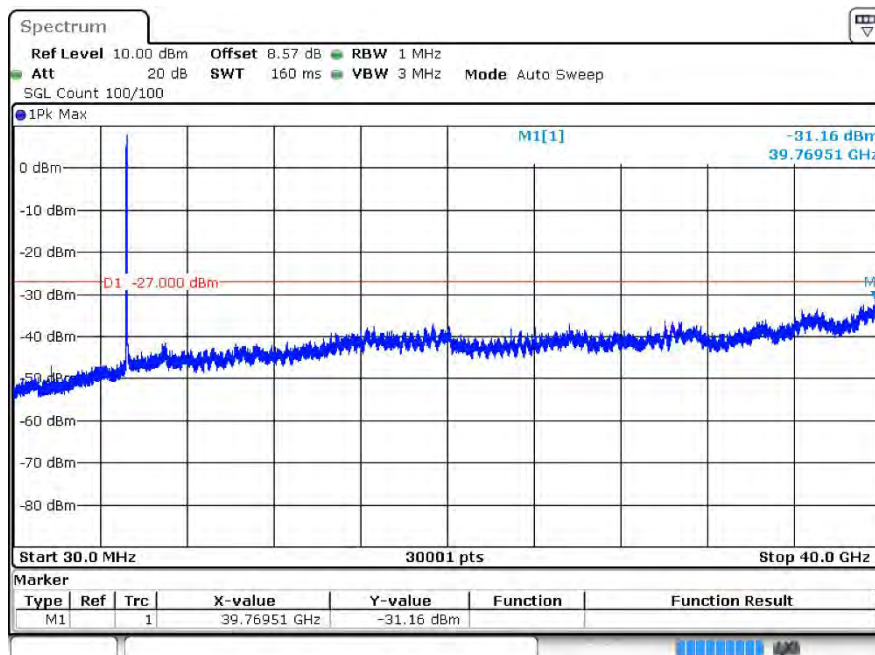


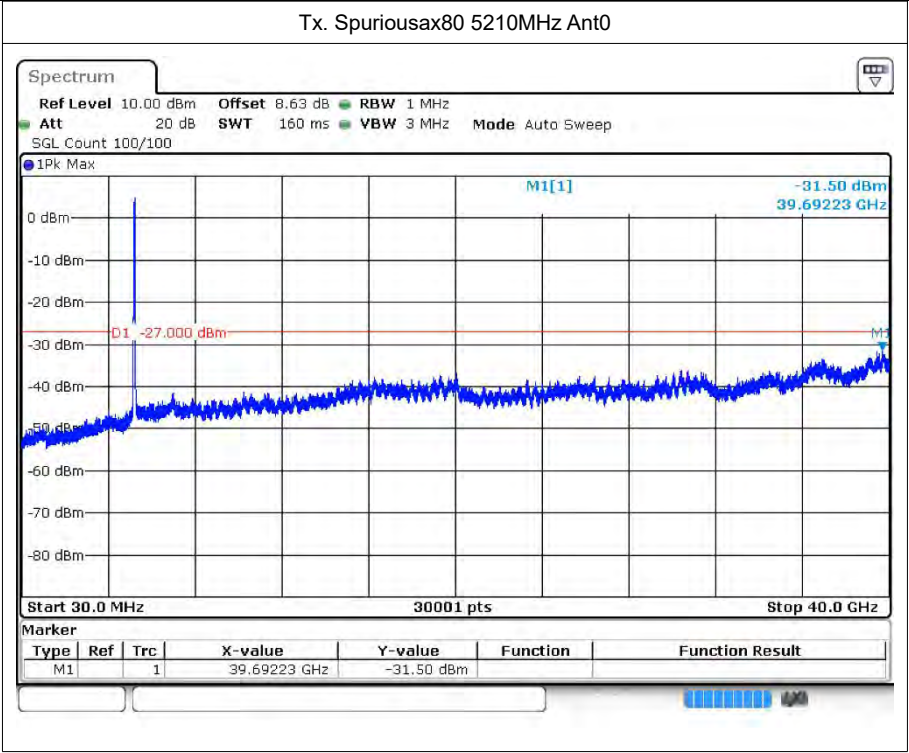


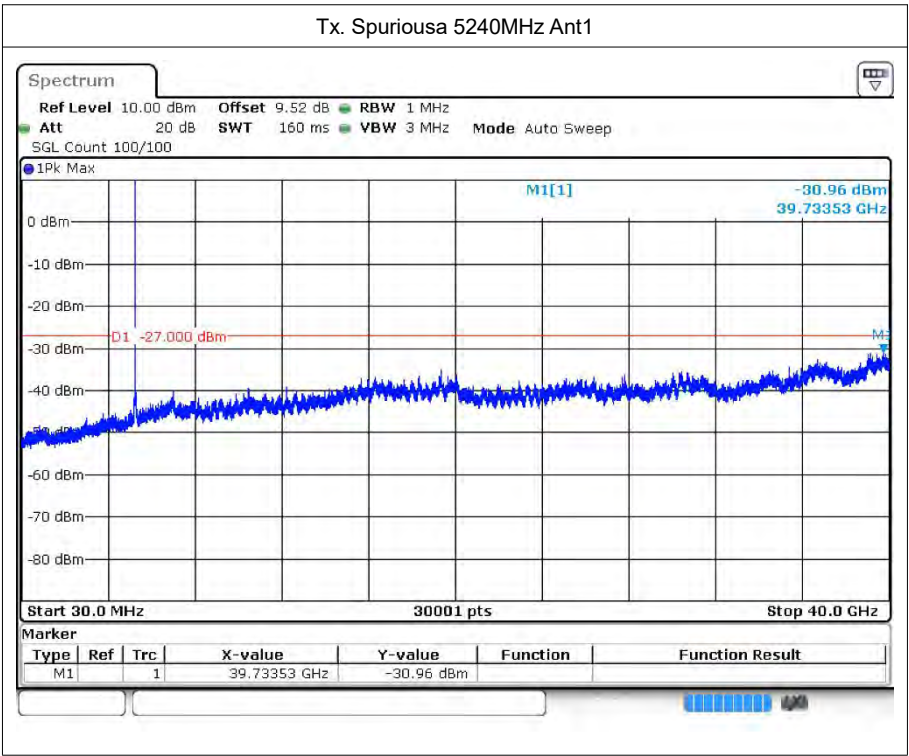
Tx. Spuriousax40 5190MHz Ant0



Tx. Spuriousax40 5230MHz Ant0

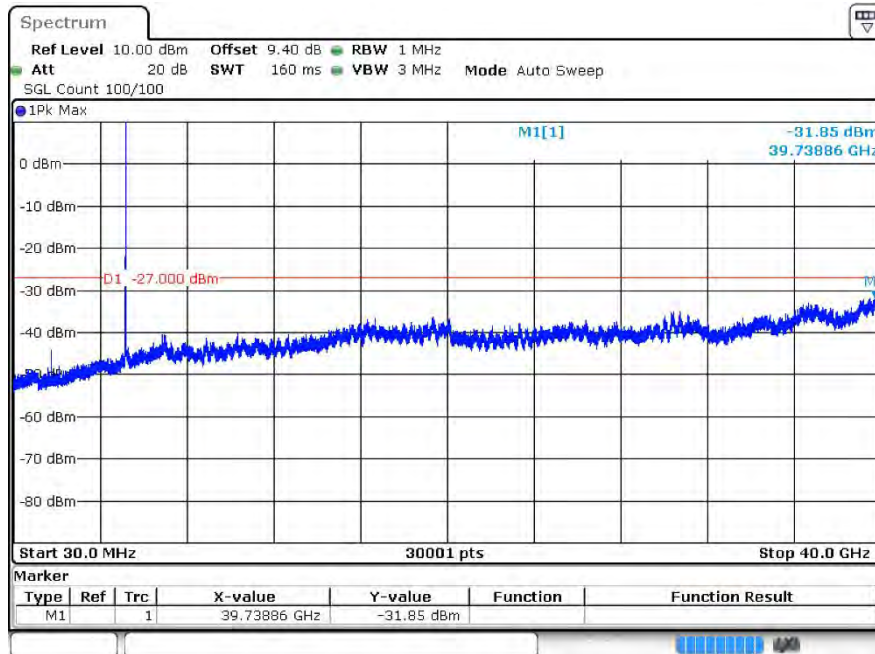




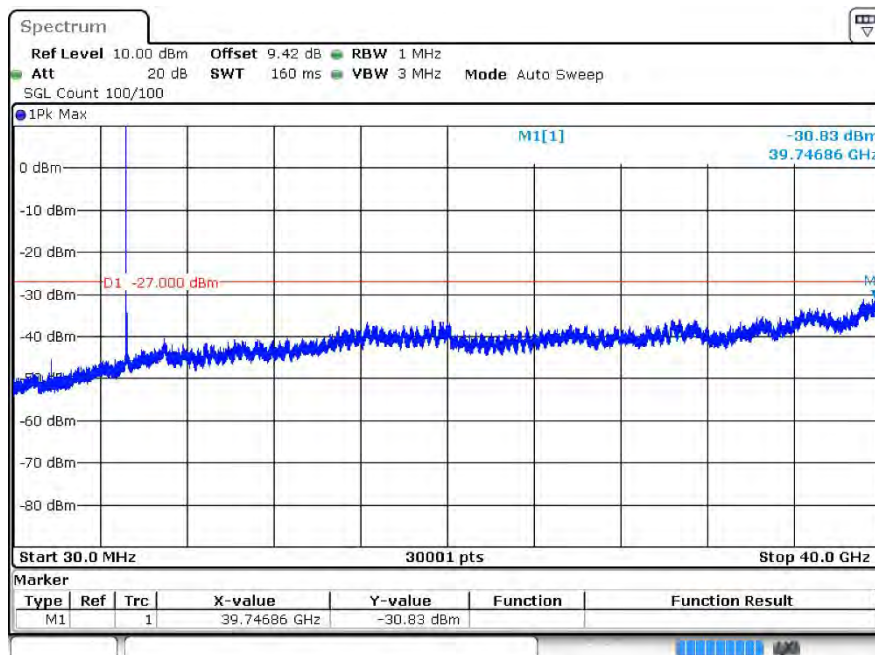


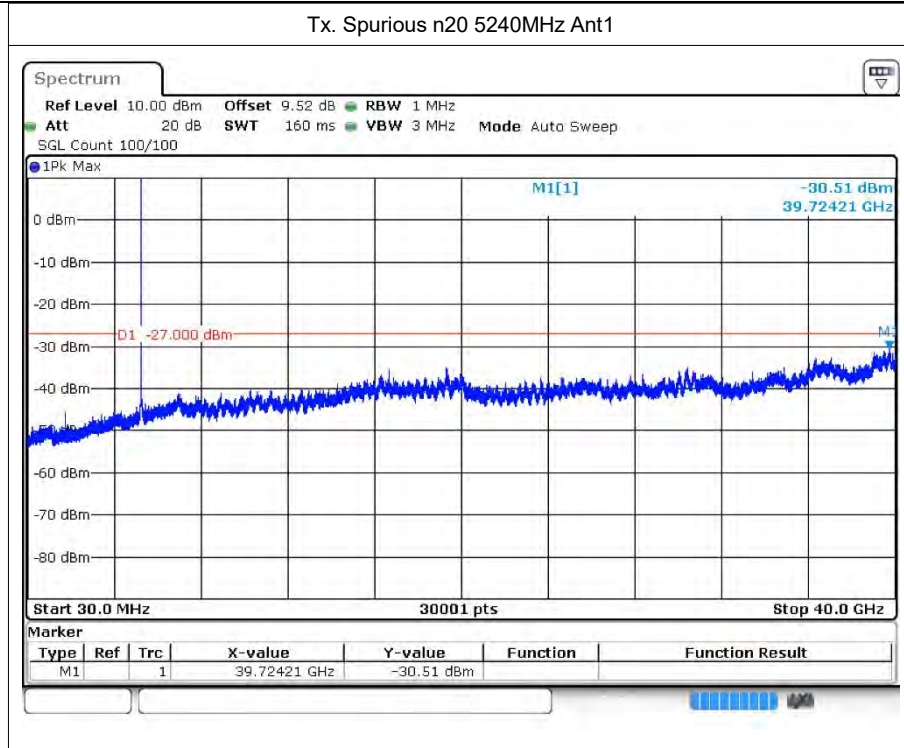


Tx. Spurious n20 5180MHz Ant1



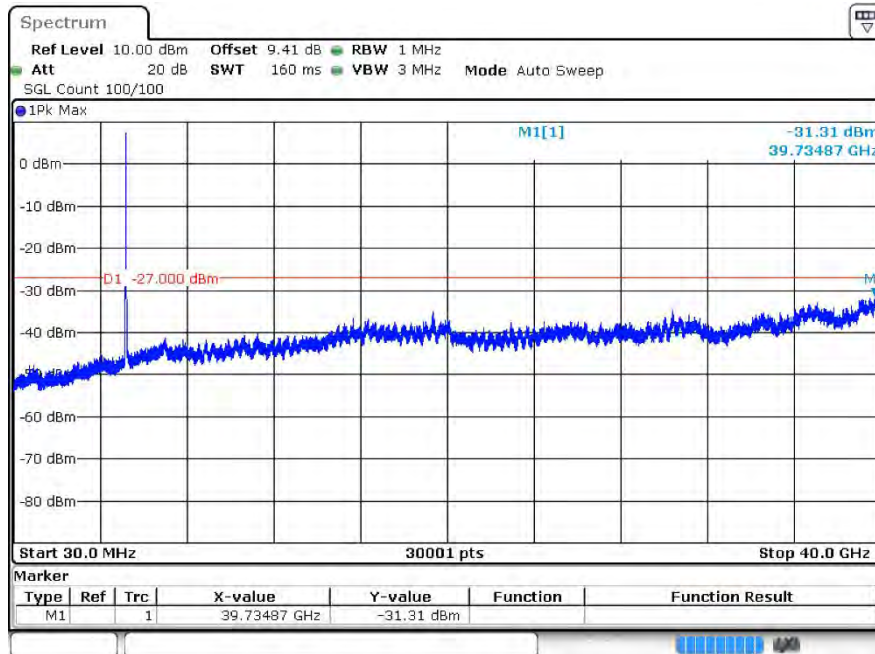
Tx. Spurious n20 5200MHz Ant1



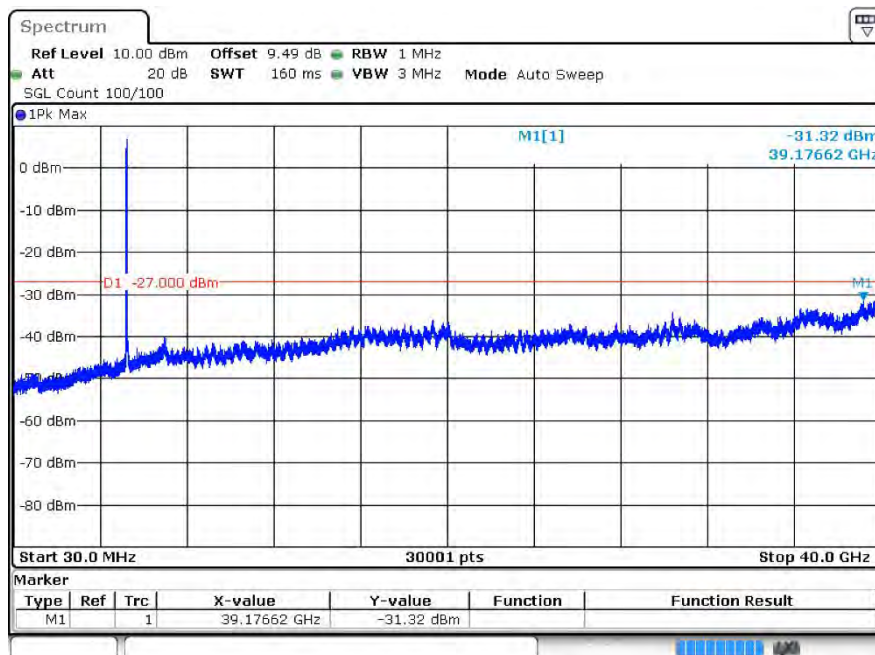




Tx. Spuriousn40 5190MHz Ant1

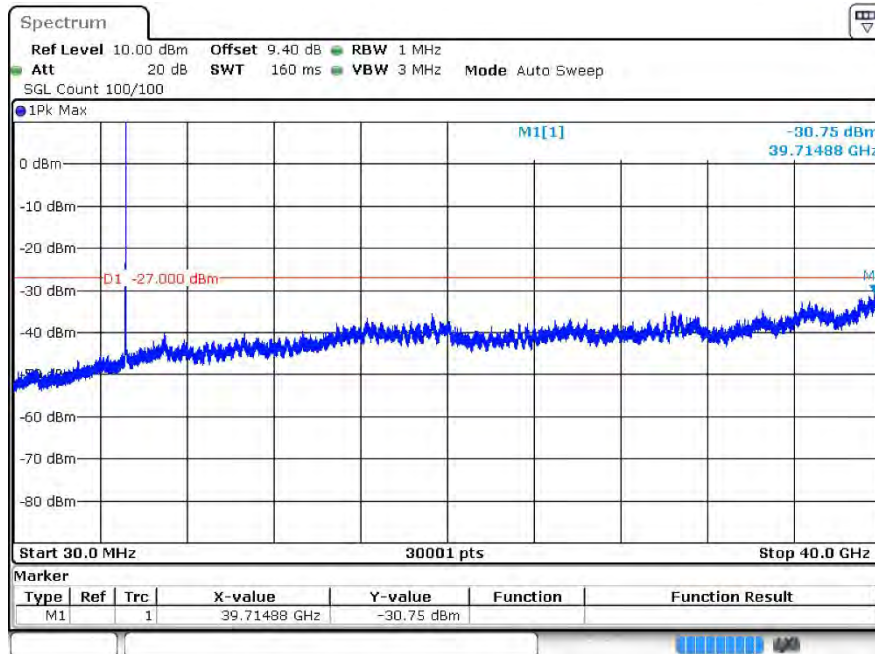


Tx. Spuriousn40 5230MHz Ant1

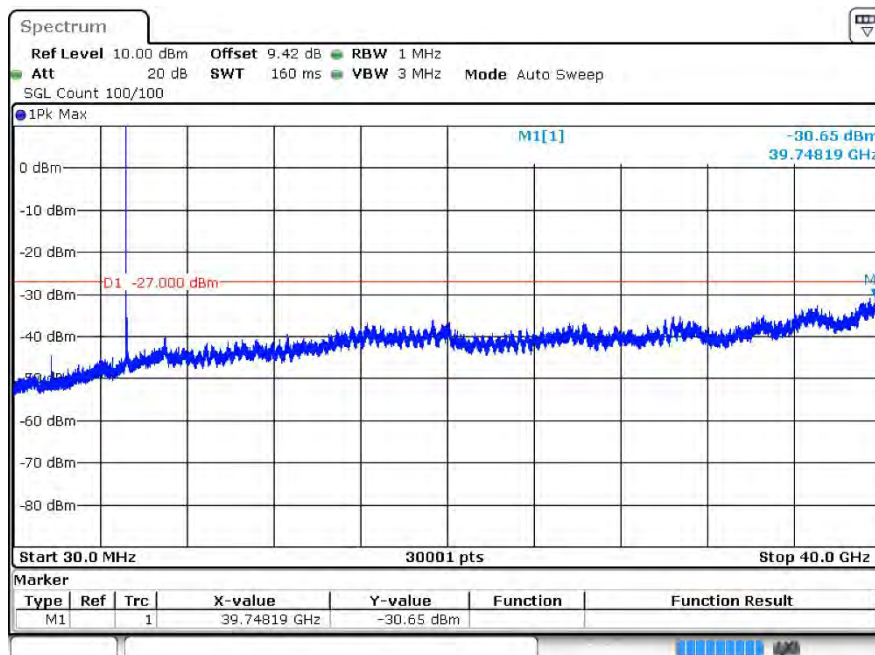


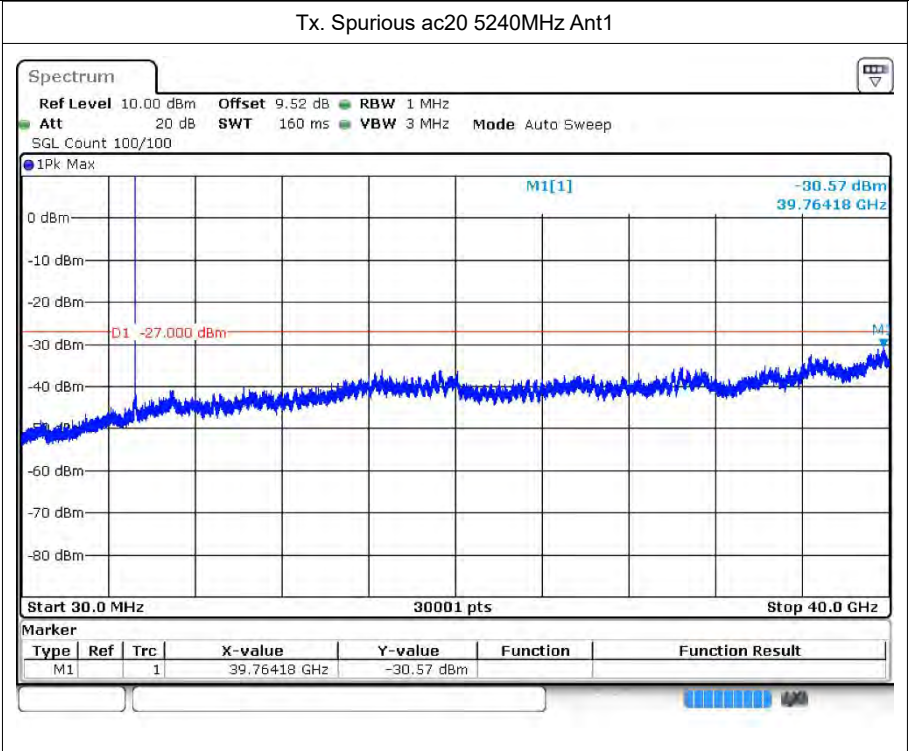


Tx. Spurious ac20 5180MHz Ant1



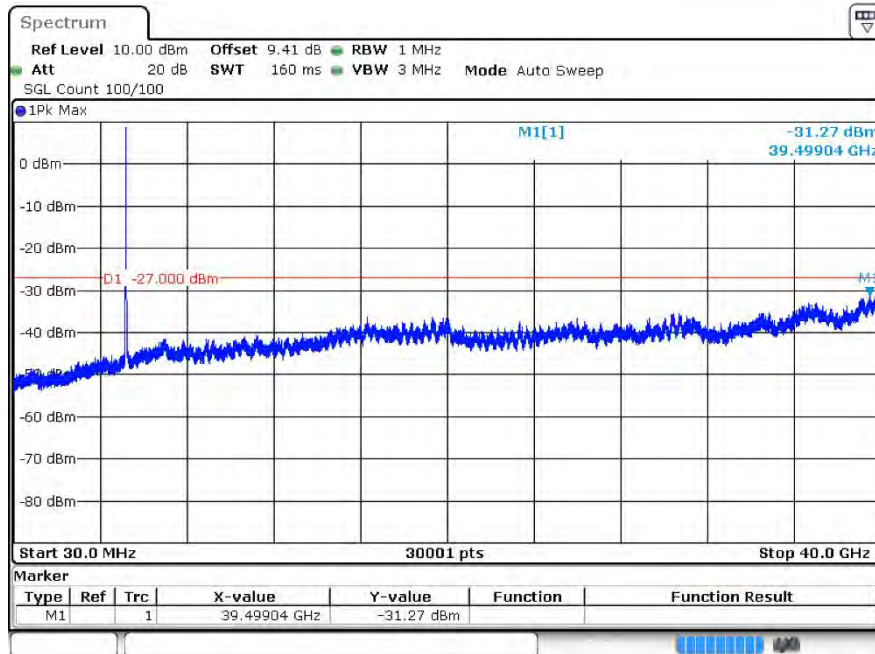
Tx. Spurious ac20 5200MHz Ant1



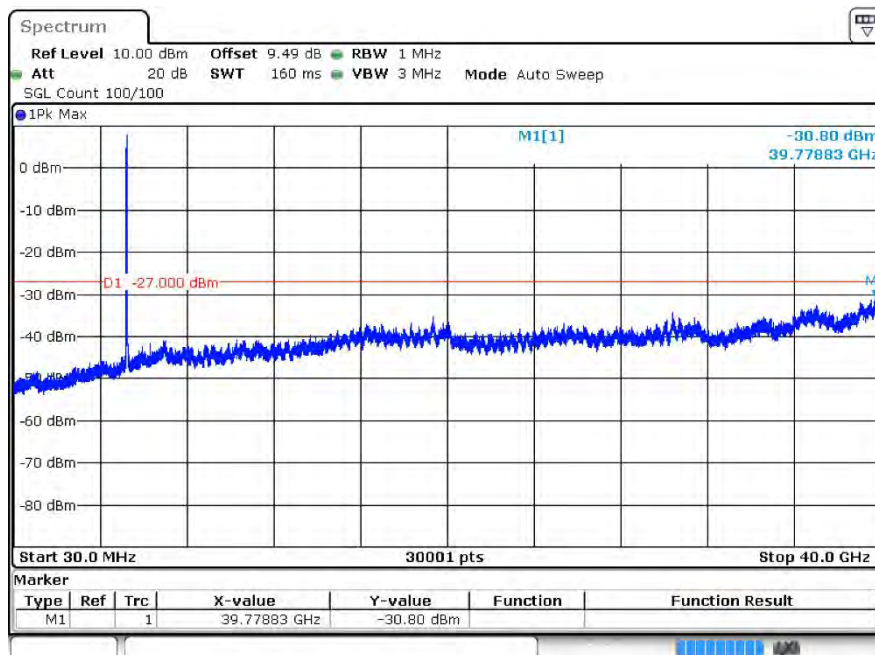


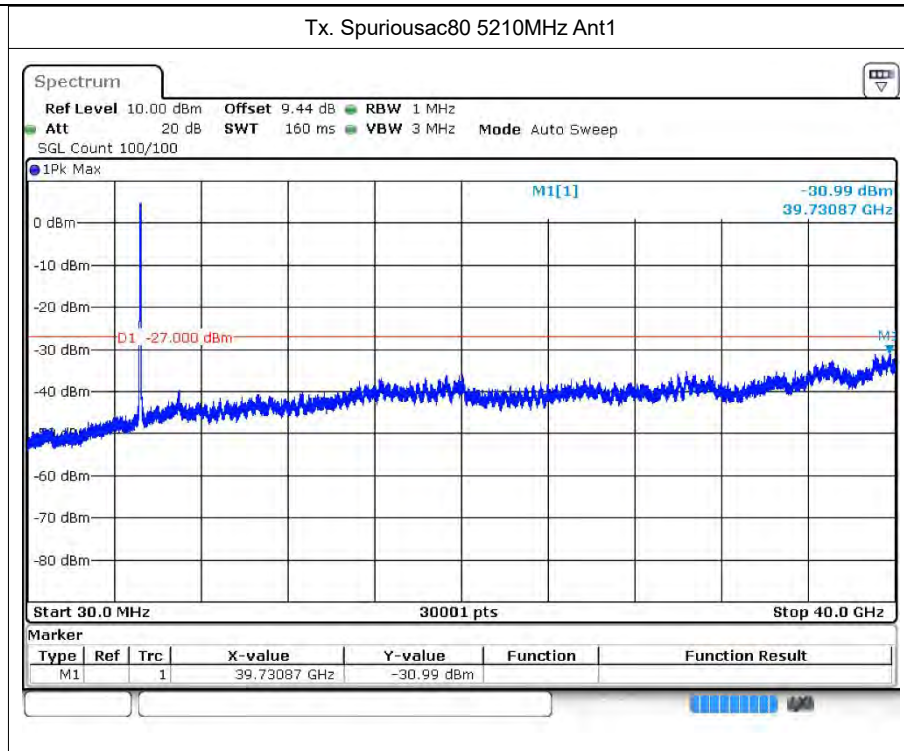


Tx. Spuriousac40 5190MHz Ant1



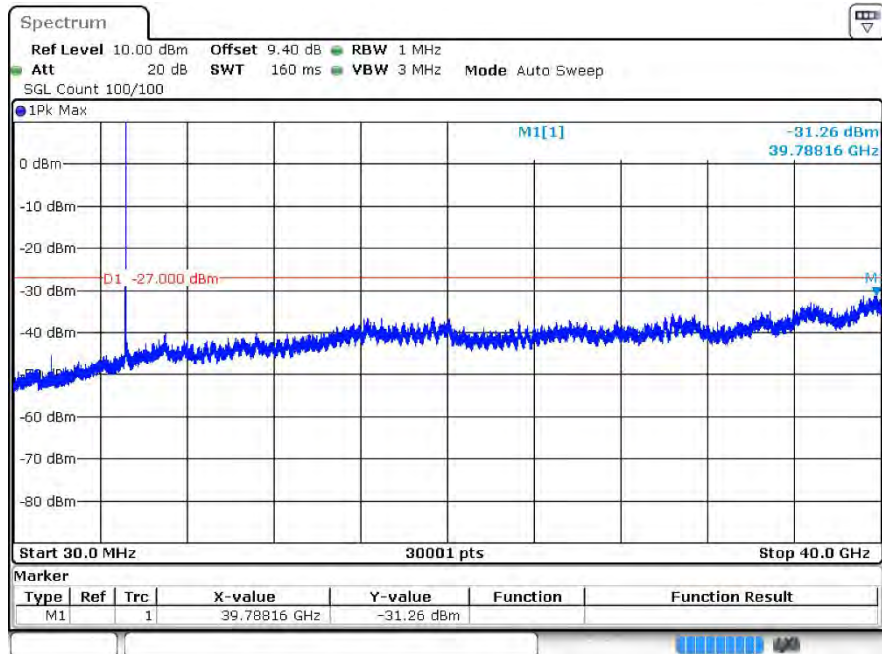
Tx. Spuriousac40 5230MHz Ant1



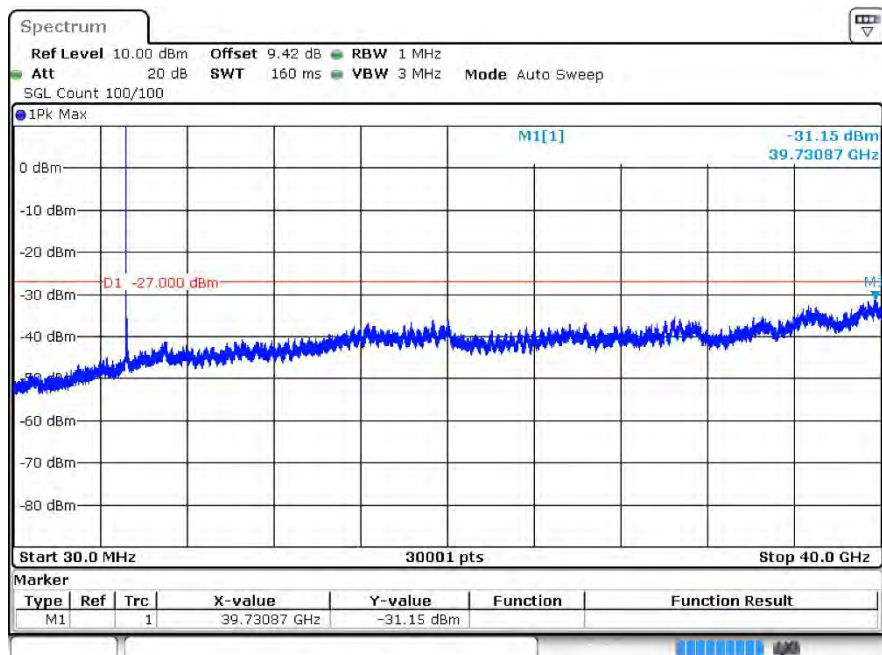


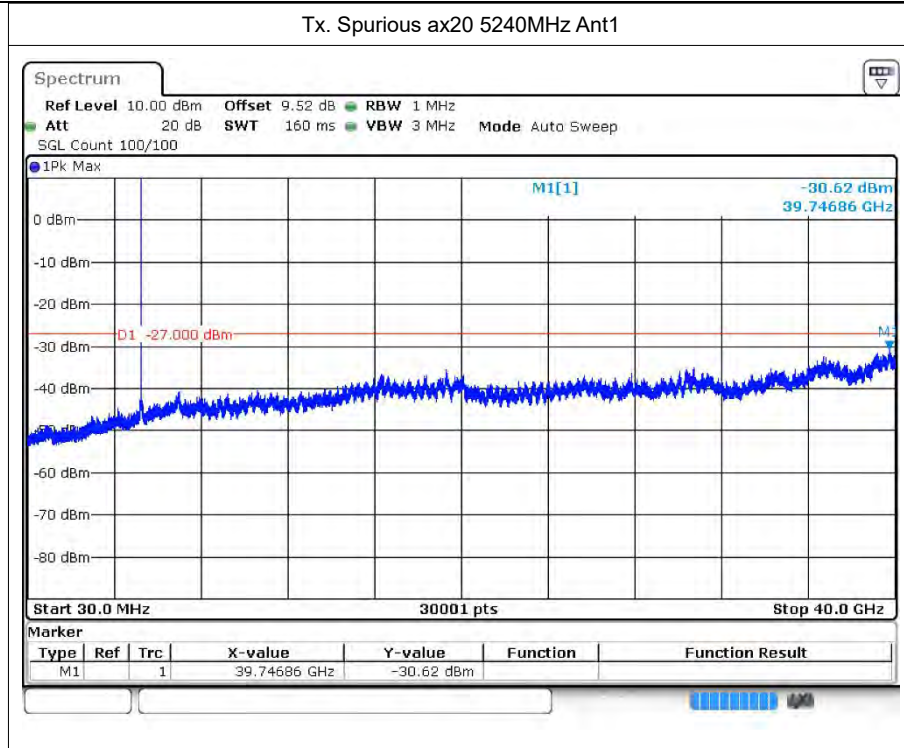


Tx. Spurious ax20 5180MHz Ant1



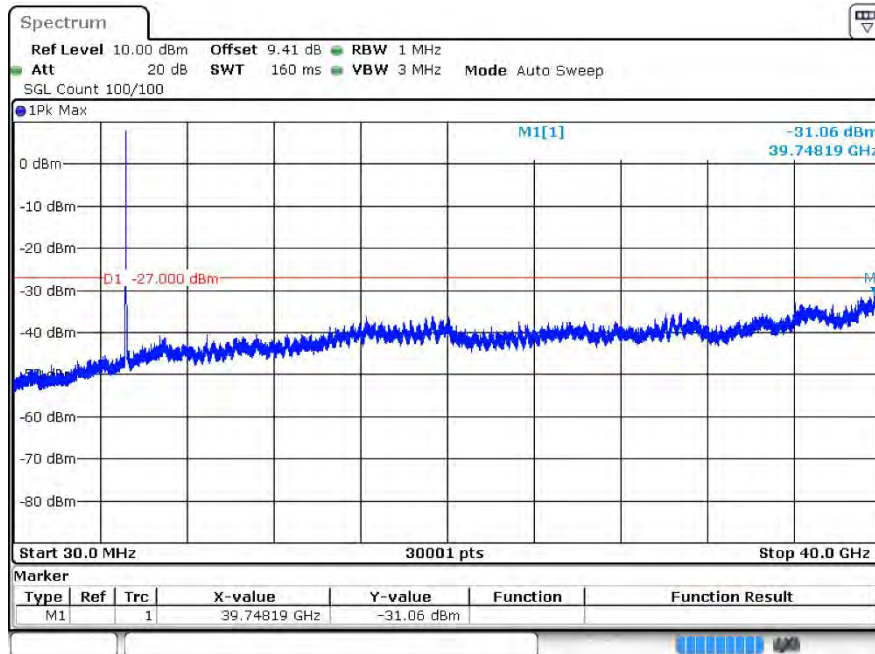
Tx. Spurious ax20 5200MHz Ant1



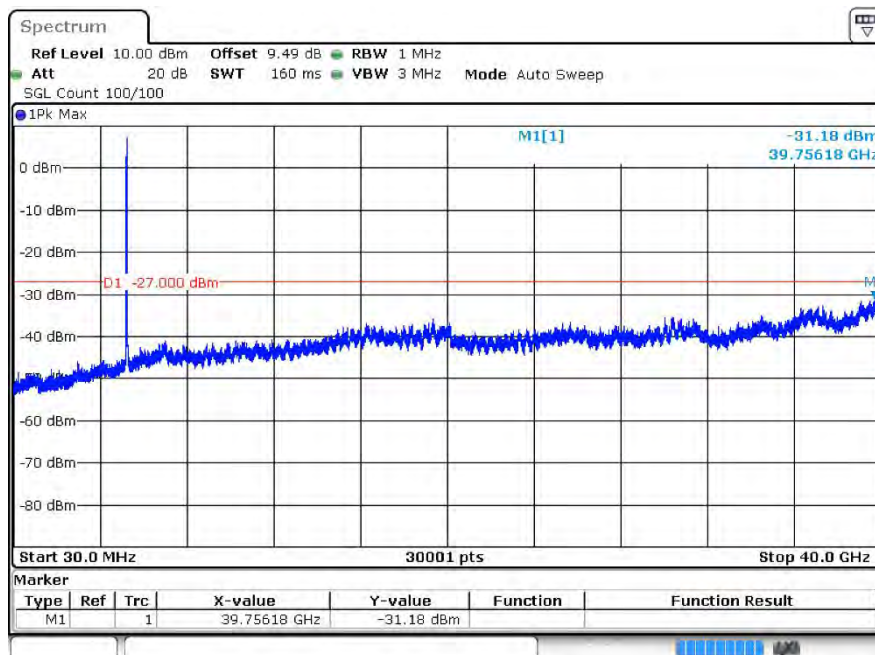


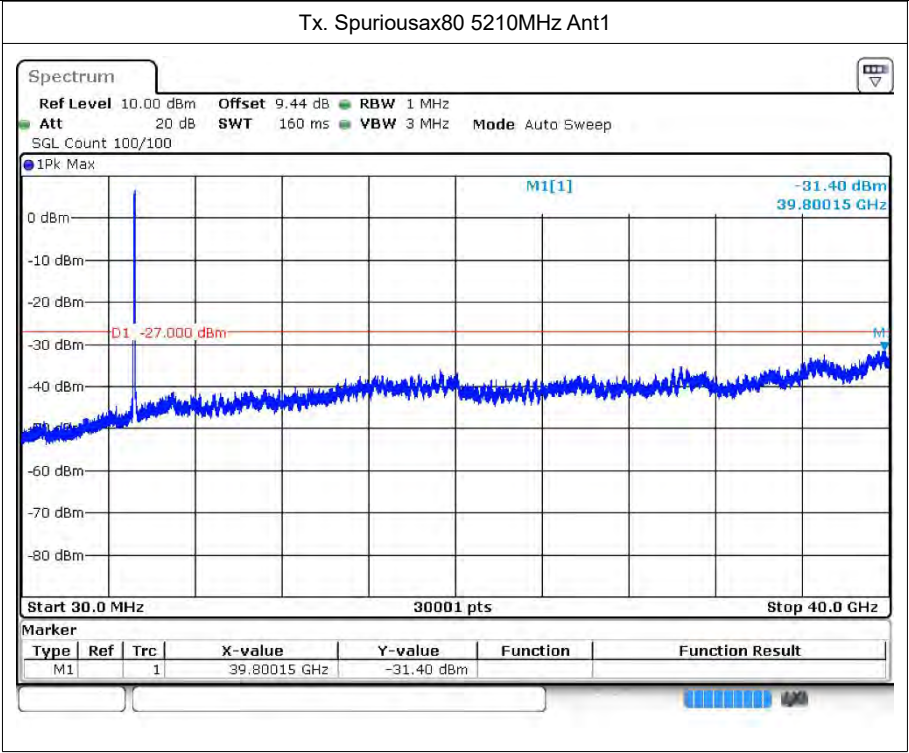


Tx. Spuriousax40 5190MHz Ant1



Tx. Spuriousax40 5230MHz Ant1





---The End---