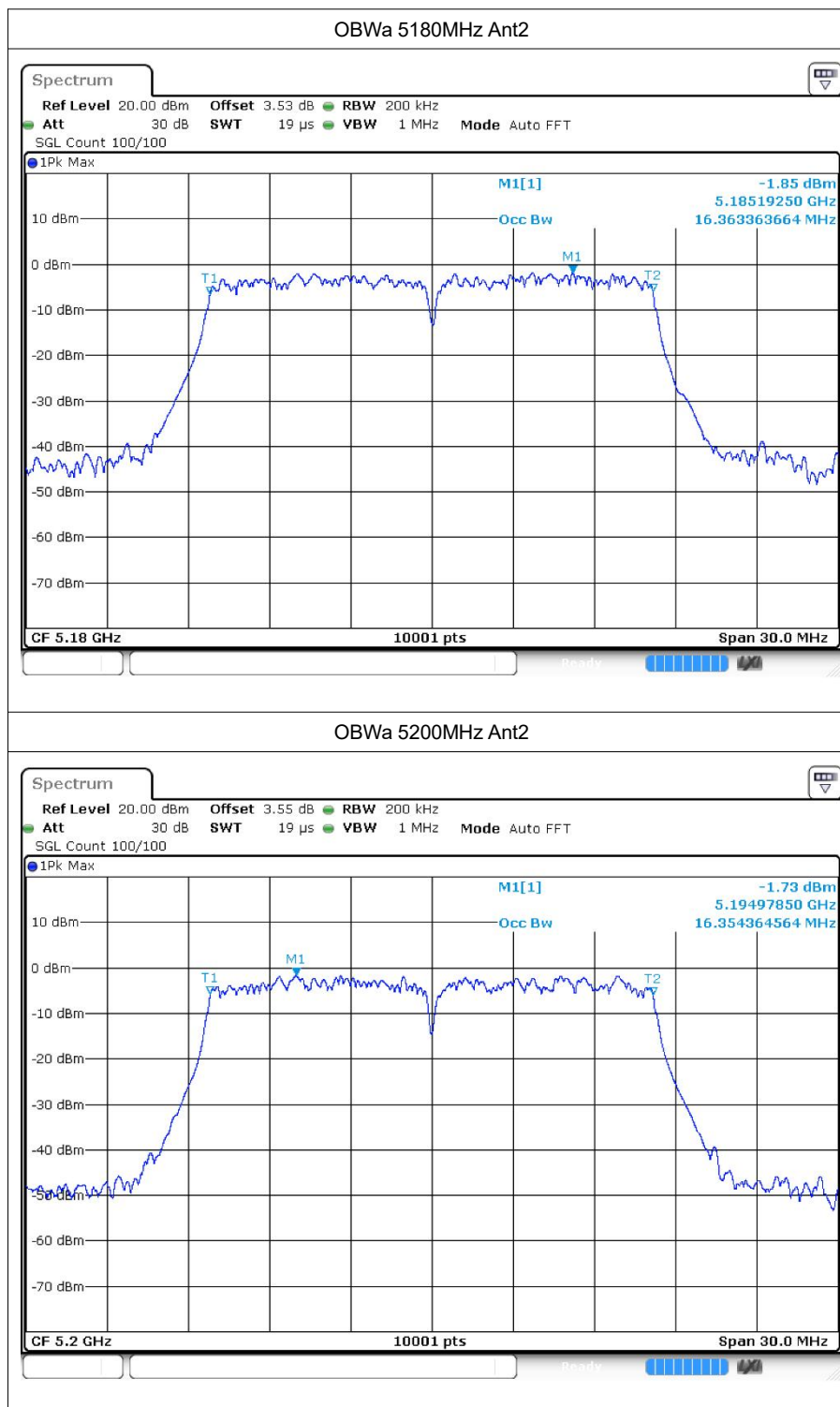
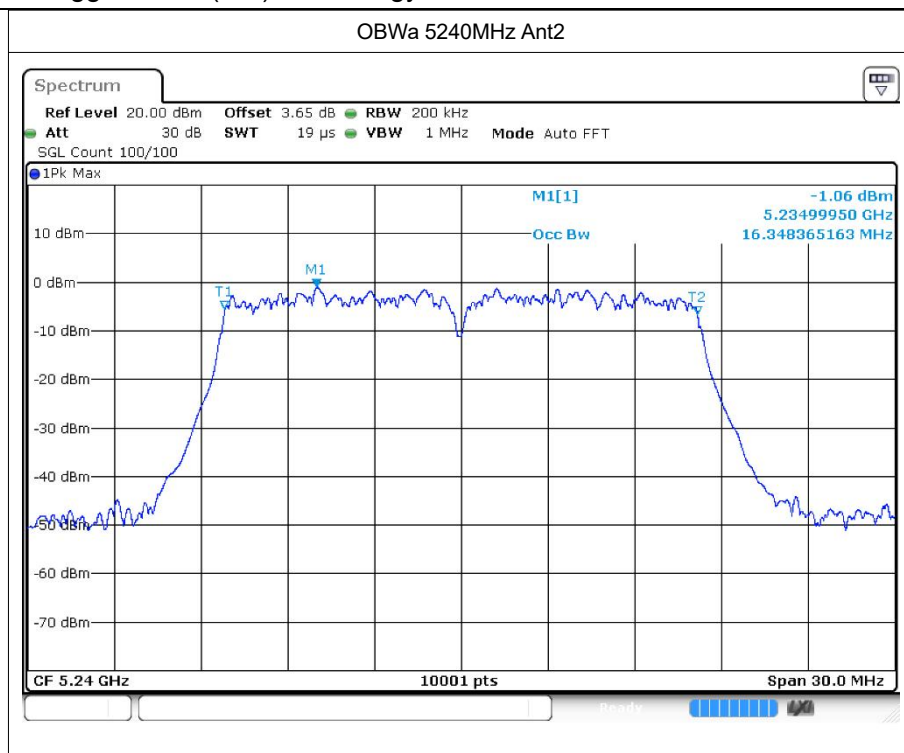
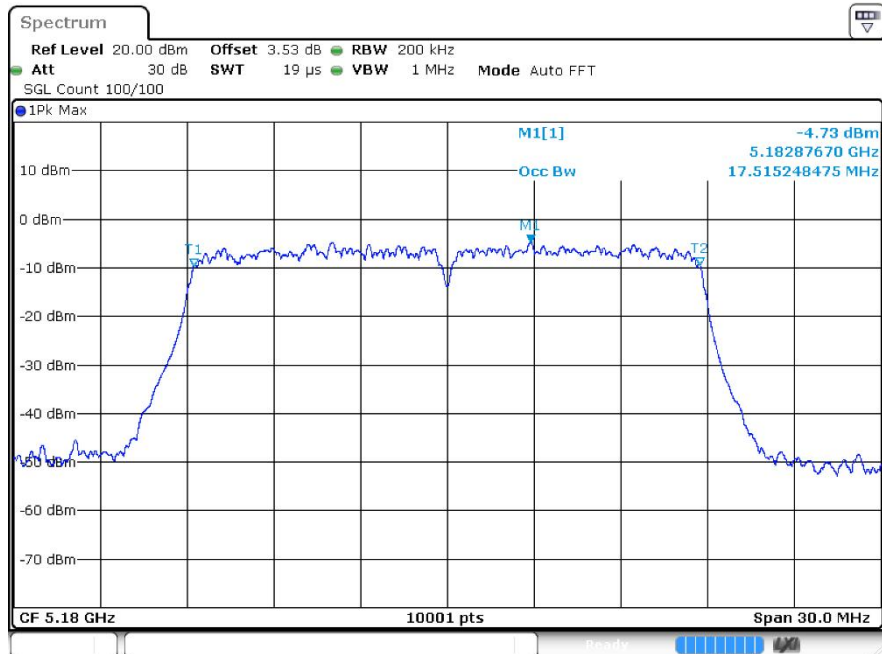


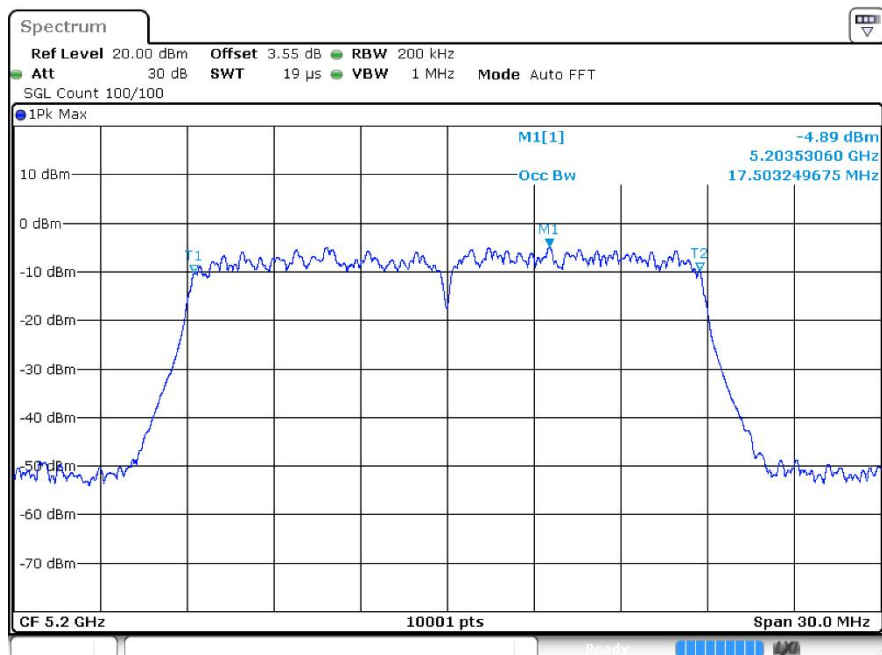


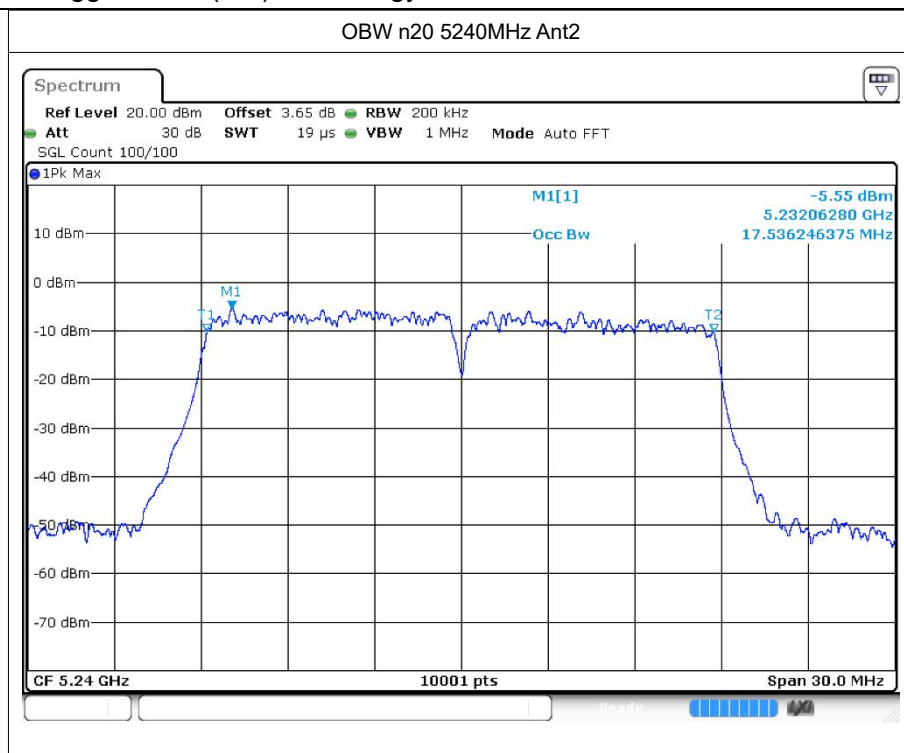


OBW n20 5180MHz Ant2

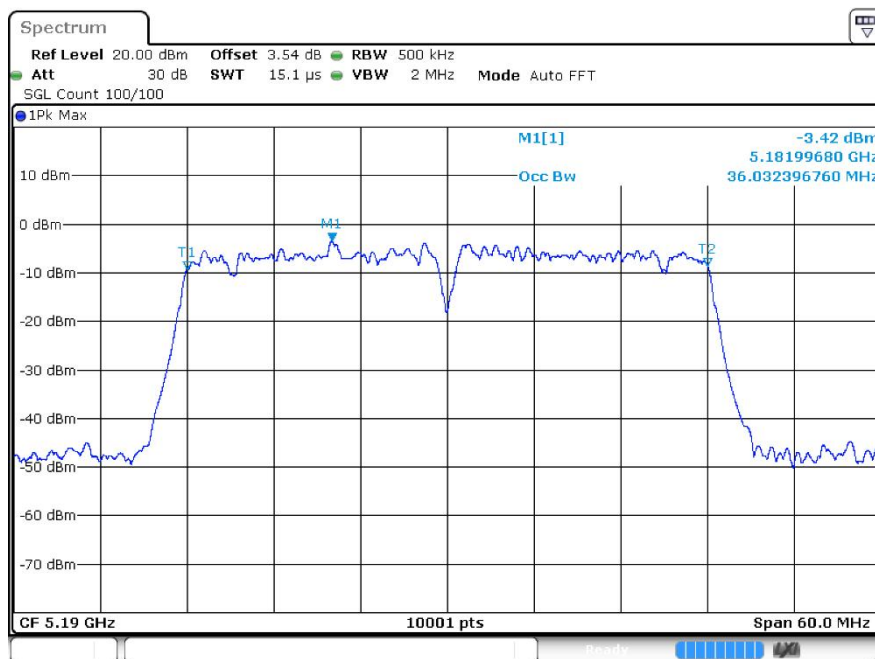


OBW n20 5200MHz Ant2

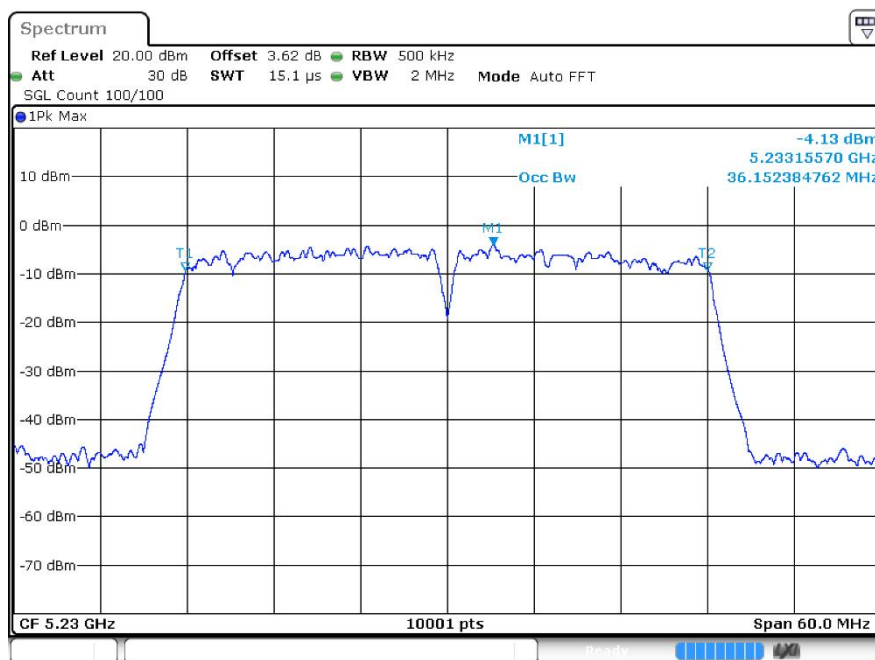




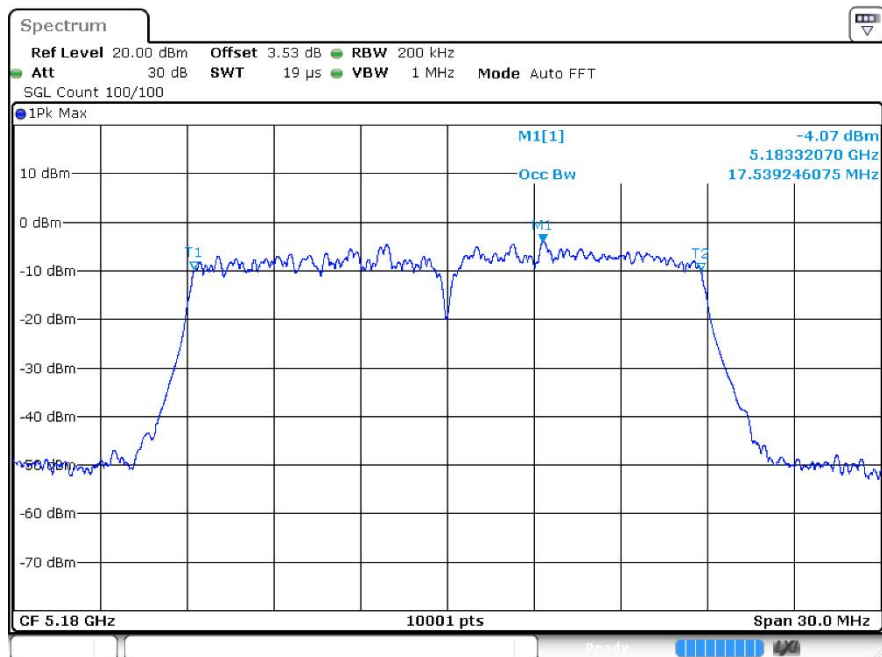
OBWn40 5190MHz Ant2



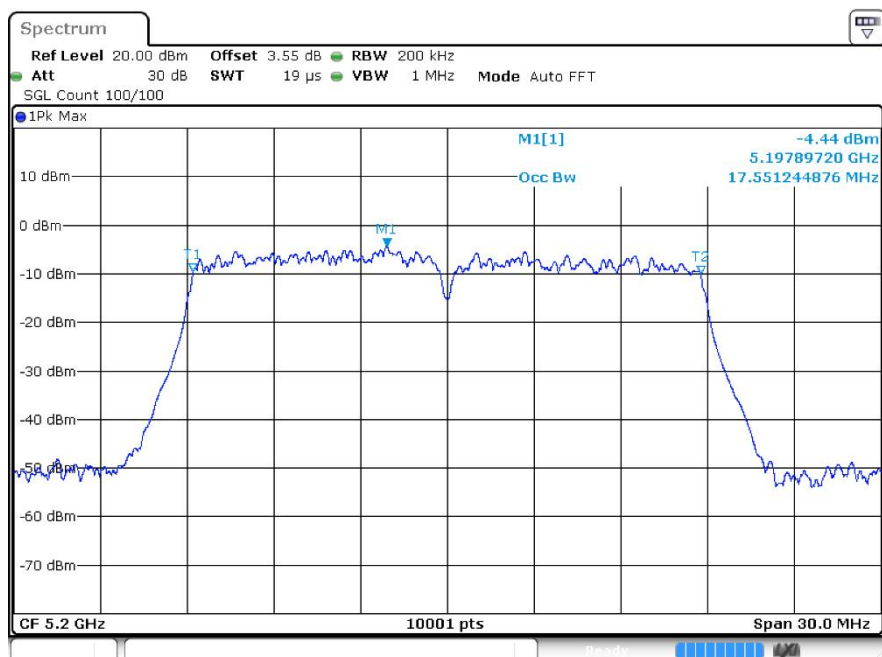
OBWn40 5230MHz Ant2

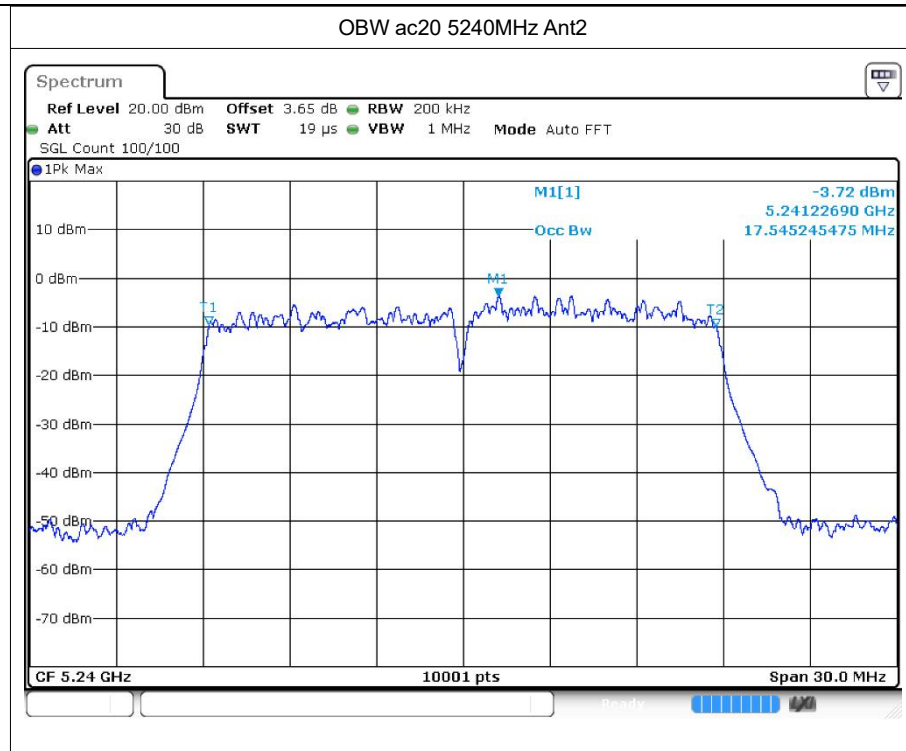


OBW ac20 5180MHz Ant2

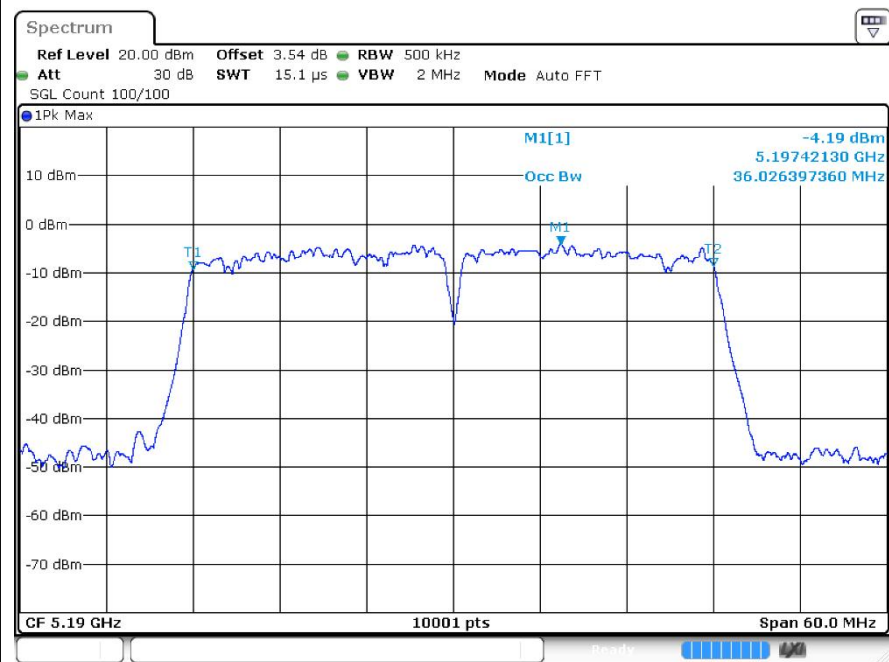


OBW ac20 5200MHz Ant2

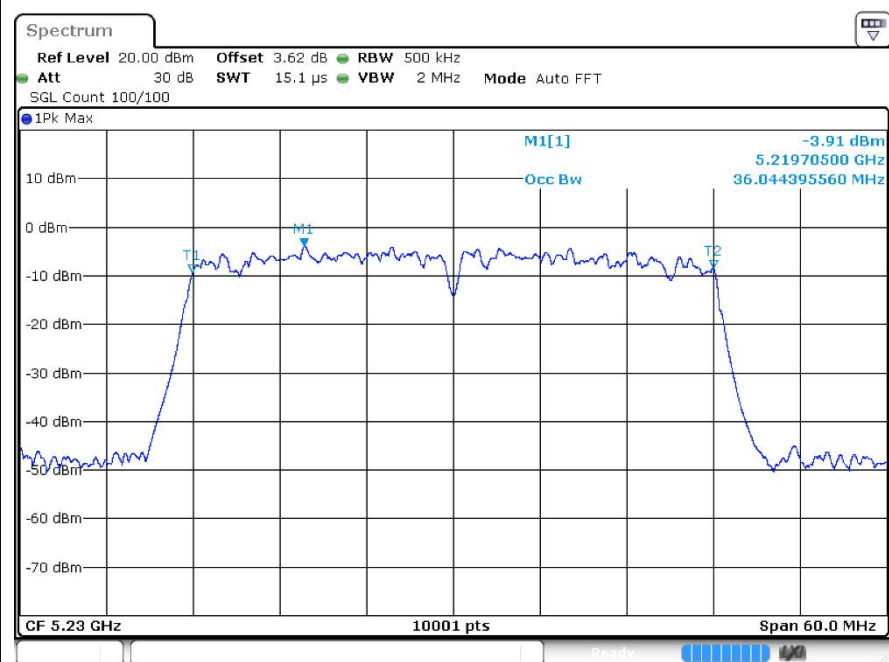


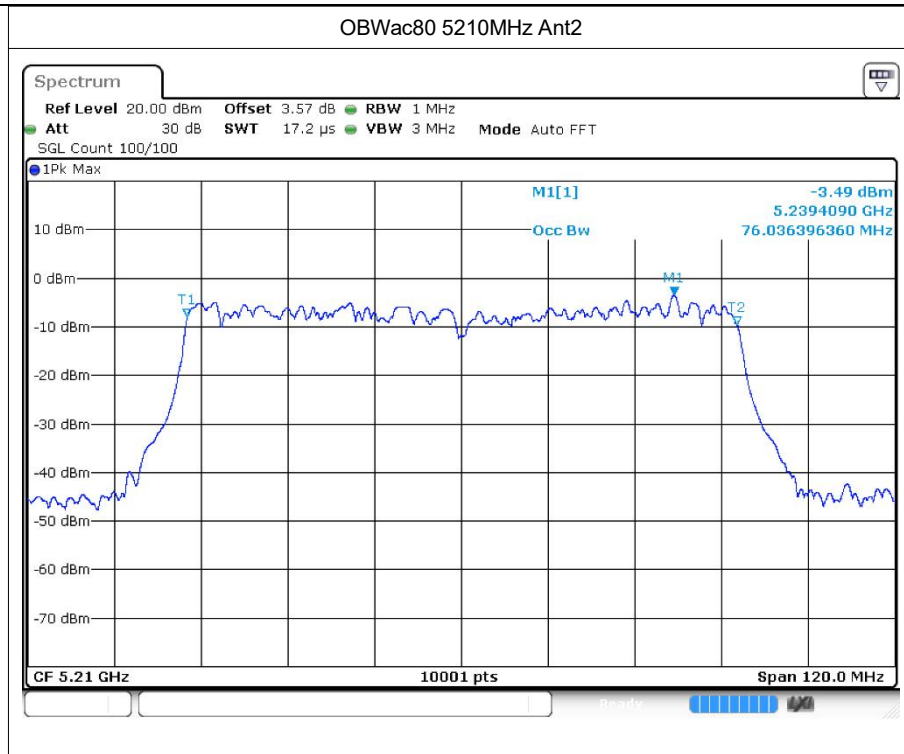


OBWac40 5190MHz Ant2

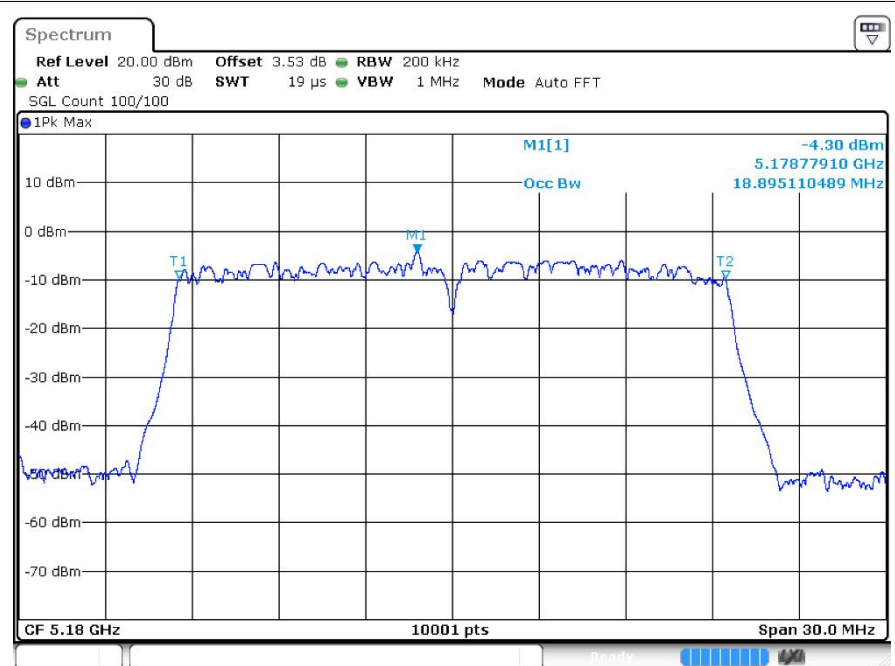


OBWac40 5230MHz Ant2

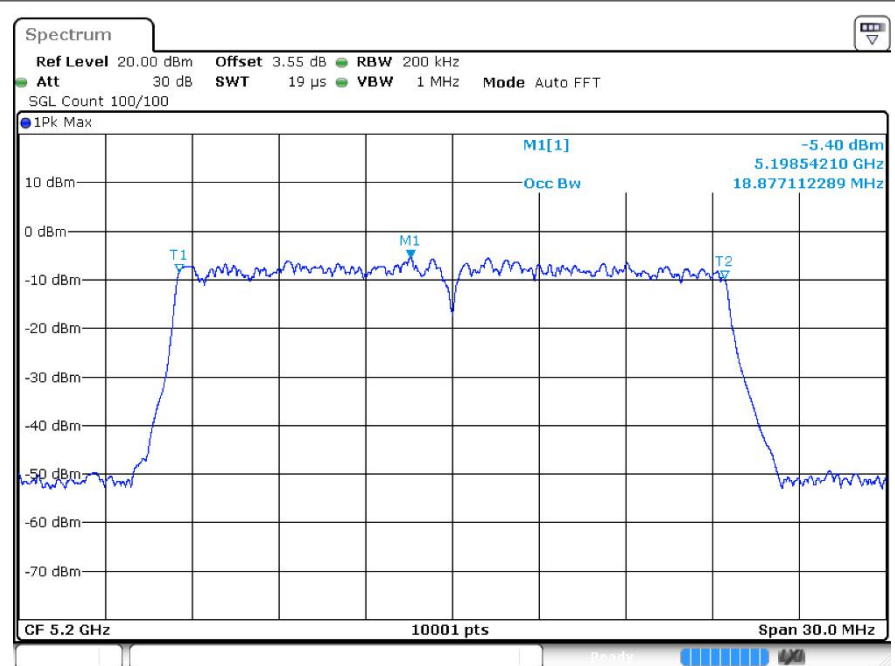


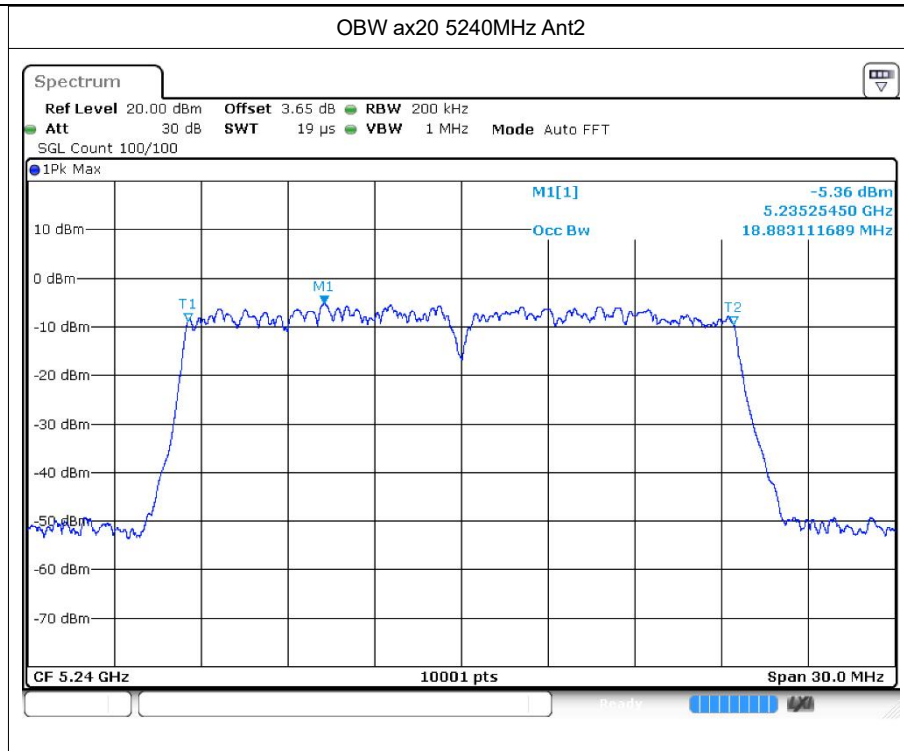


OBW ax20 5180MHz Ant2

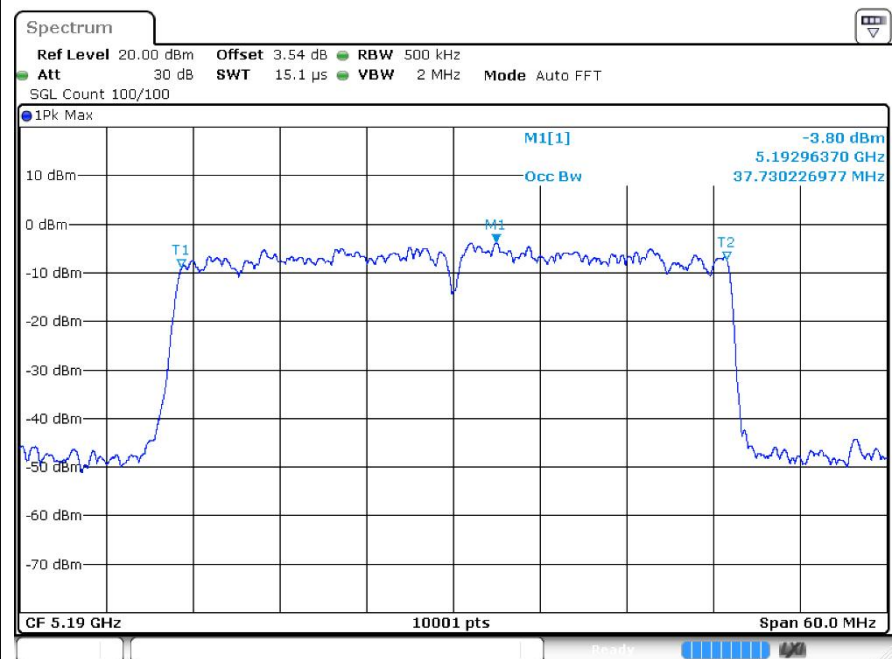


OBW ax20 5200MHz Ant2

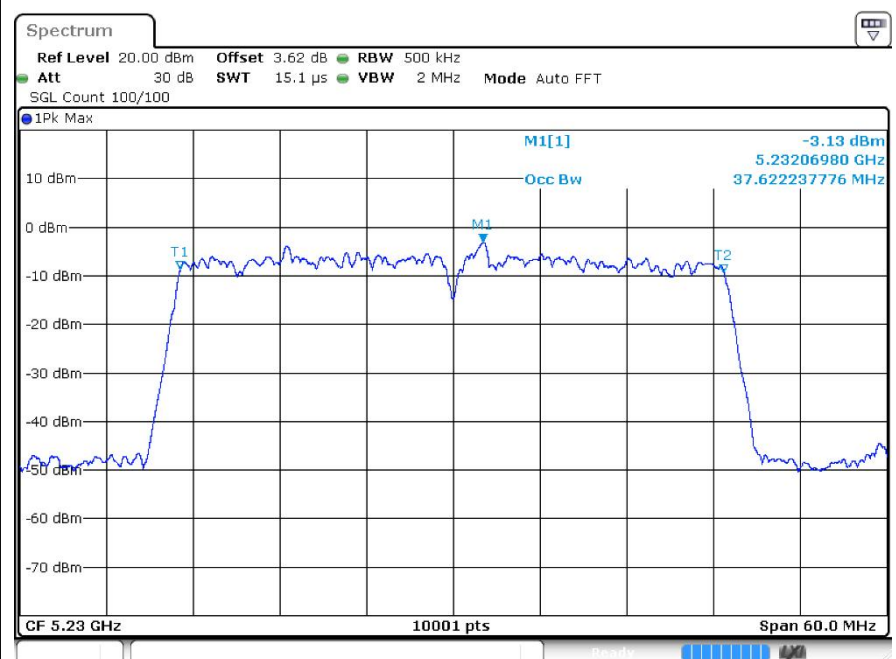


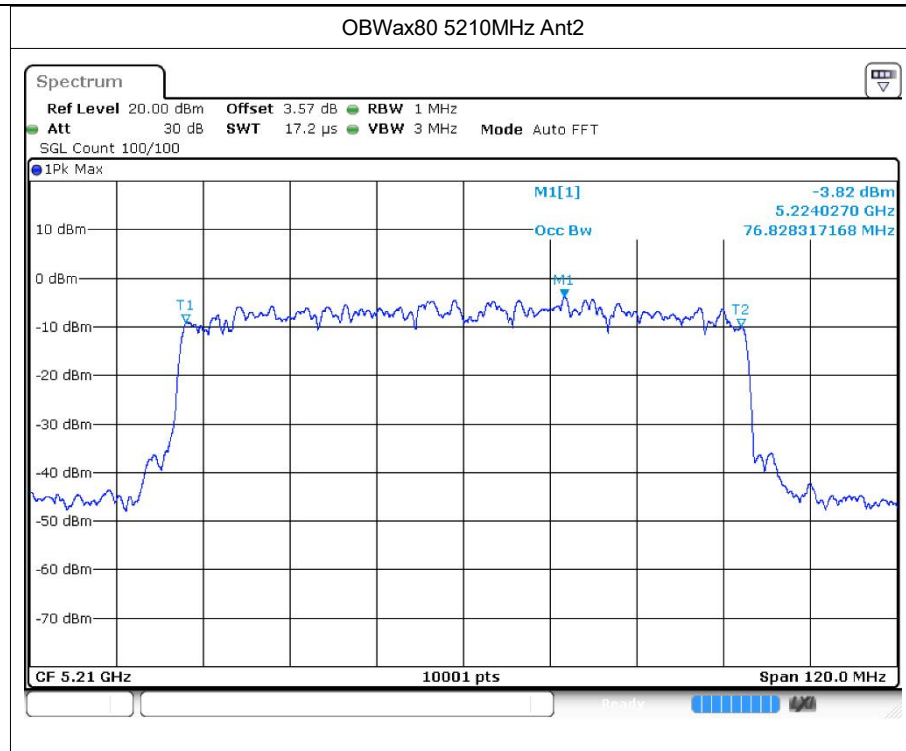


OBWax40 5190MHz Ant2



OBWax40 5230MHz Ant2





5 Maximum Power Spectral Density Level

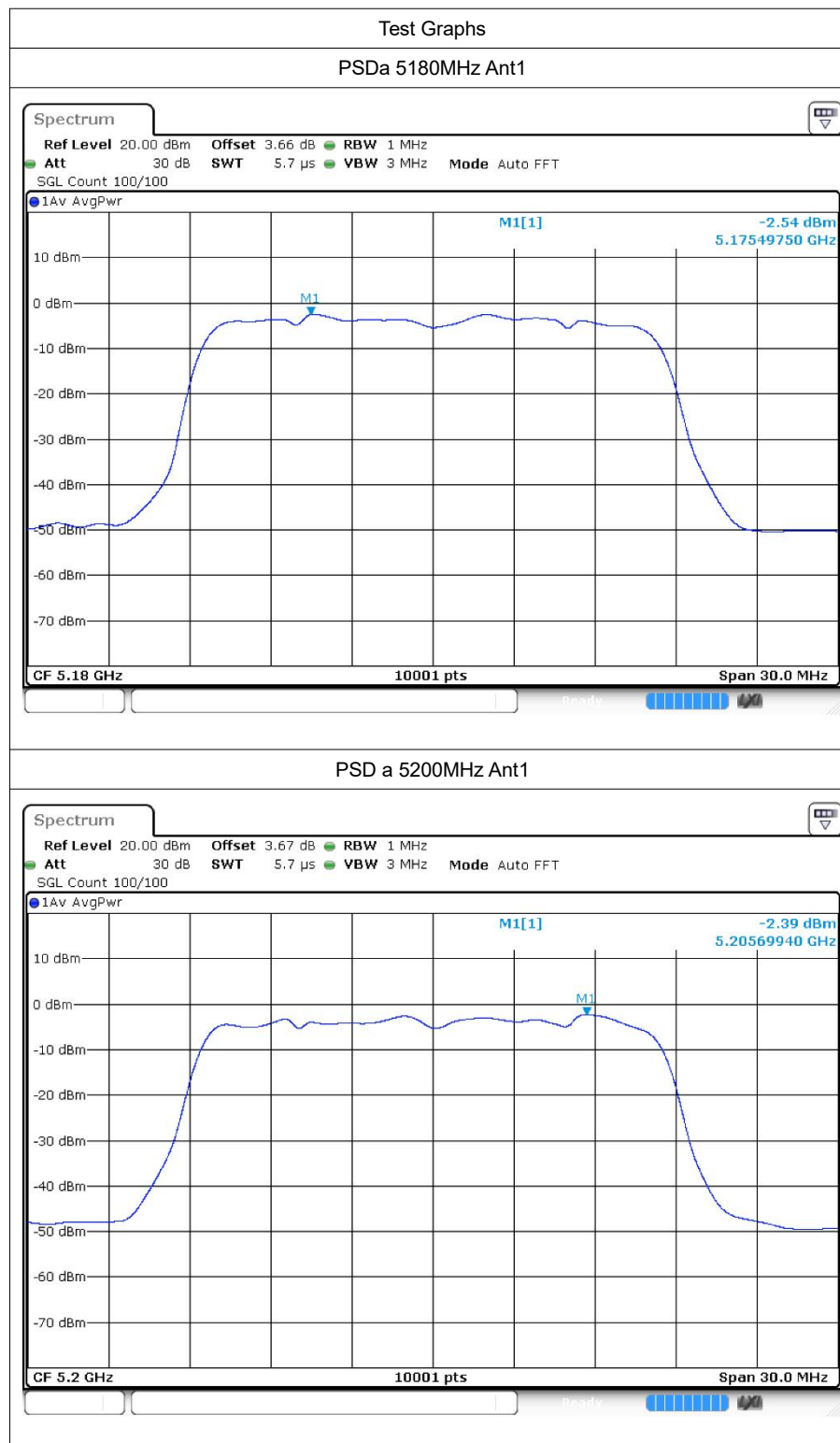
5.1 Test Result

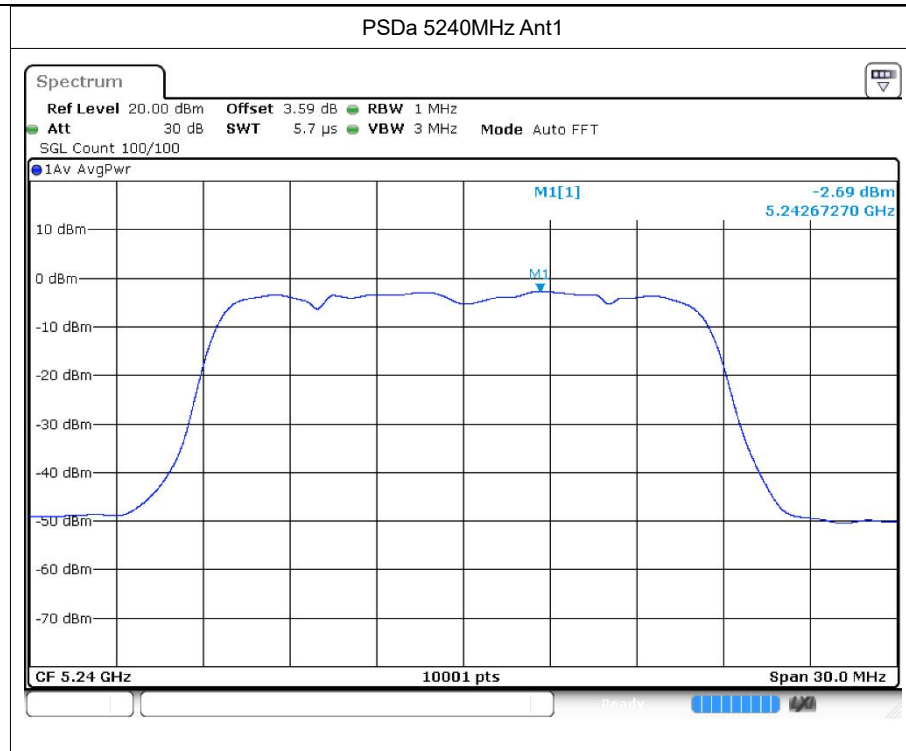
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	-2.54	2.8	0.26	11	Pass
a	5200	Ant1	-2.39	2.9	0.51	11	Pass
a	5240	Ant1	-2.69	2.82	0.13	11	Pass
a	5180	Ant2	-2.37	2.9	0.53	11	Pass
a	5200	Ant2	-3.35	2.78	-0.57	11	Pass
a	5240	Ant2	-3.85	2.82	-1.03	11	Pass
n20	5180	Ant1	-6.74	3	-3.74	11	Pass
n20	5180	Ant2	-6.99	2.99	-4	11	Pass
n20	5180	Sum	-	-	-0.86	11	Pass
n20	5200	Ant1	-6.86	2.99	-3.87	11	Pass
n20	5200	Ant2	-7.38	2.99	-4.39	11	Pass
n20	5200	Sum	-	-	-1.11	11	Pass
n20	5240	Ant1	-6.11	2.99	-3.12	11	Pass
n20	5240	Ant2	-7.04	3	-4.04	11	Pass
n20	5240	Sum	-	-	-0.55	11	Pass
n40	5190	Ant1	-10.35	3.06	-7.29	11	Pass
n40	5190	Ant2	-10.66	3.08	-7.58	11	Pass
n40	5190	Sum	-	-	-4.42	11	Pass
n40	5230	Ant1	-10.2	3.06	-7.14	11	Pass
n40	5230	Ant2	-10.21	3.14	-7.07	11	Pass
n40	5230	Sum	-	-	-4.09	11	Pass
ac20	5180	Ant1	-7.2	2.99	-4.21	11	Pass
ac20	5180	Ant2	-7.31	3	-4.31	11	Pass
ac20	5180	Sum	-	-	-1.25	11	Pass
ac20	5200	Ant1	-6.5	2.98	-3.52	11	Pass
ac20	5200	Ant2	-7.28	2.98	-4.3	11	Pass
ac20	5200	Sum	-	-	-0.88	11	Pass
ac20	5240	Ant1	-7.04	3	-4.04	11	Pass
ac20	5240	Ant2	-6.92	3	-3.92	11	Pass
ac20	5240	Sum	-	-	-0.97	11	Pass
ac40	5190	Ant1	-10.23	3.08	-7.15	11	Pass
ac40	5190	Ant2	-10.56	3.08	-7.48	11	Pass
ac40	5190	Sum	-	-	-4.30	11	Pass
ac40	5230	Ant1	-10.43	3	-7.43	11	Pass
ac40	5230	Ant2	-10.97	3.14	-7.83	11	Pass
ac40	5230	Sum	-	-	-4.62	11	Pass



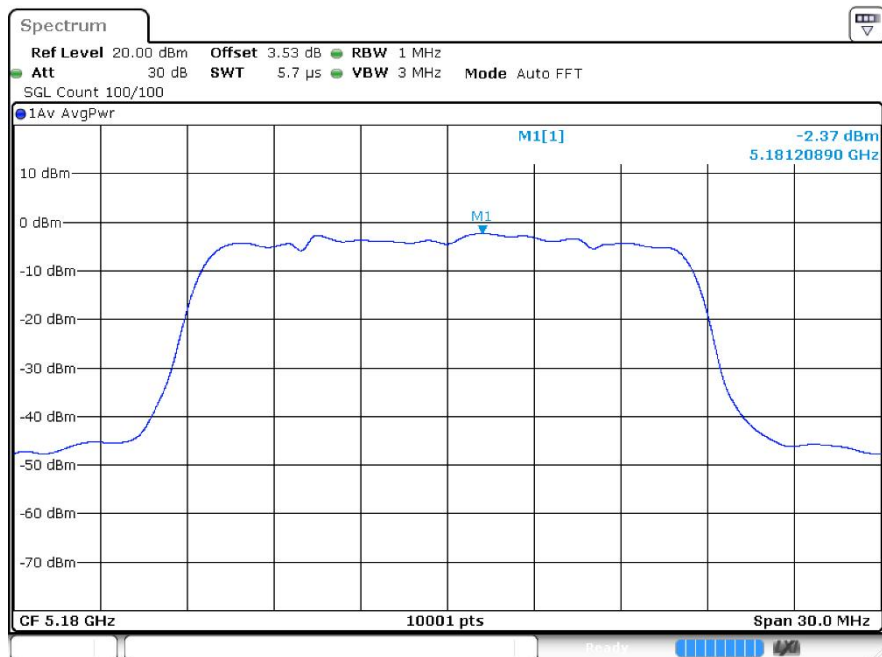
ac80	5210	Ant1	-14.06	3.25	-10.81	11	Pass
ac80	5210	Ant2	-13.81	3.3	-10.51	11	Pass
ac80	5210	Sum	-	-	-7.65	11	Pass
ax20	5180	Ant1	-8.46	3.22	-5.24	11	Pass
ax20	5180	Ant2	-9.15	3.21	-5.94	11	Pass
ax20	5180	Sum	-	-	-2.57	11	Pass
ax20	5200	Ant1	-7.6	3.22	-4.38	11	Pass
ax20	5200	Ant2	-8.38	3.22	-5.16	11	Pass
ax20	5200	Sum	-	-	-1.74	11	Pass
ax20	5240	Ant1	-7.82	3.22	-4.6	11	Pass
ax20	5240	Ant2	-8.78	3.22	-5.56	11	Pass
ax20	5240	Sum	-	-	-2.04	11	Pass
ax40	5190	Ant1	-11.31	3.22	-8.09	11	Pass
ax40	5190	Ant2	-11.61	3.23	-8.38	11	Pass
ax40	5190	Sum	-	-	-5.22	11	Pass
ax40	5230	Ant1	-11.16	3.22	-7.94	11	Pass
ax40	5230	Ant2	-11.67	3.23	-8.44	11	Pass
ax40	5230	Sum	-	-	-5.17	11	Pass
ax80	5210	Ant1	-14.98	3.26	-11.72	11	Pass
ax80	5210	Ant2	-14.18	3.31	-10.87	11	Pass
ax80	5210	Sum	-	-	-8.26	11	Pass

5.2 Test Graphs

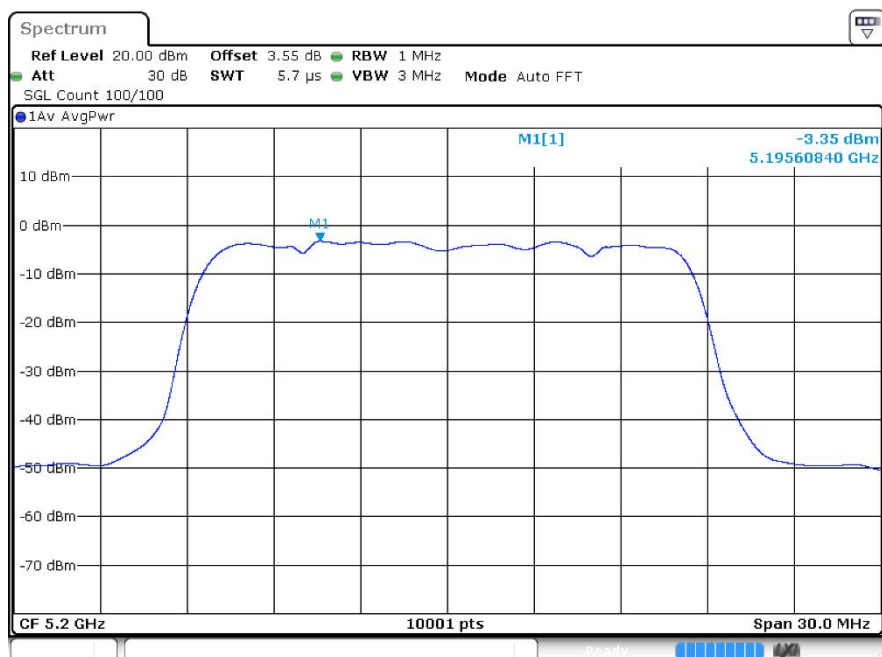


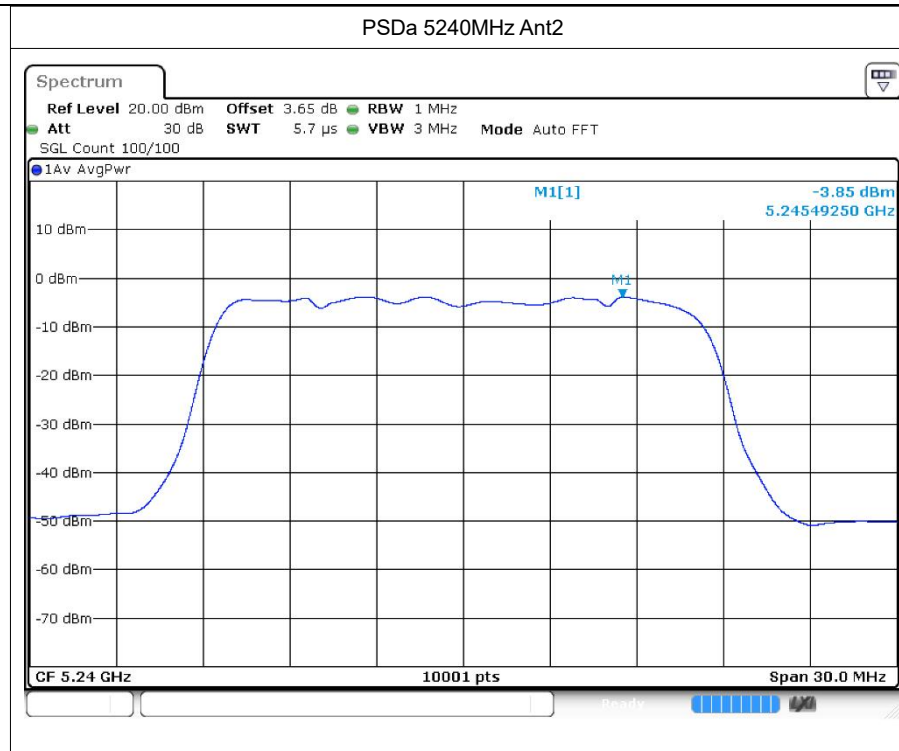


PSDa 5180MHz Ant2

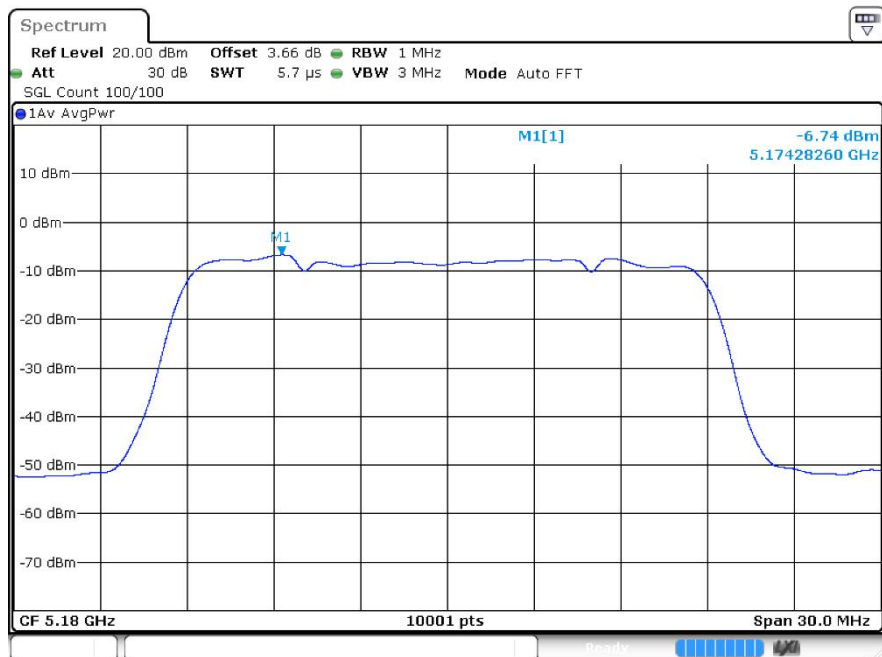


PSD a 5200MHz Ant2

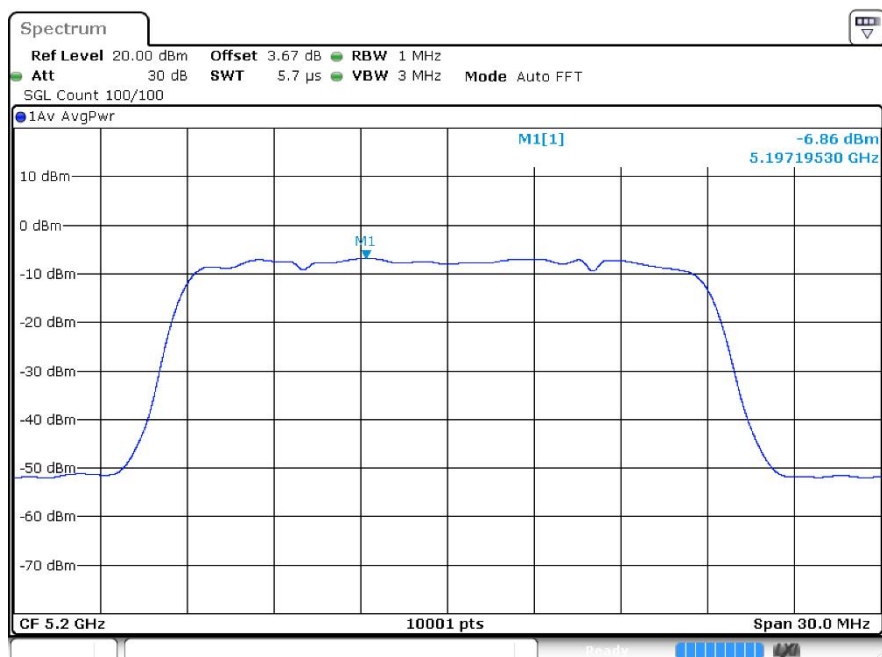


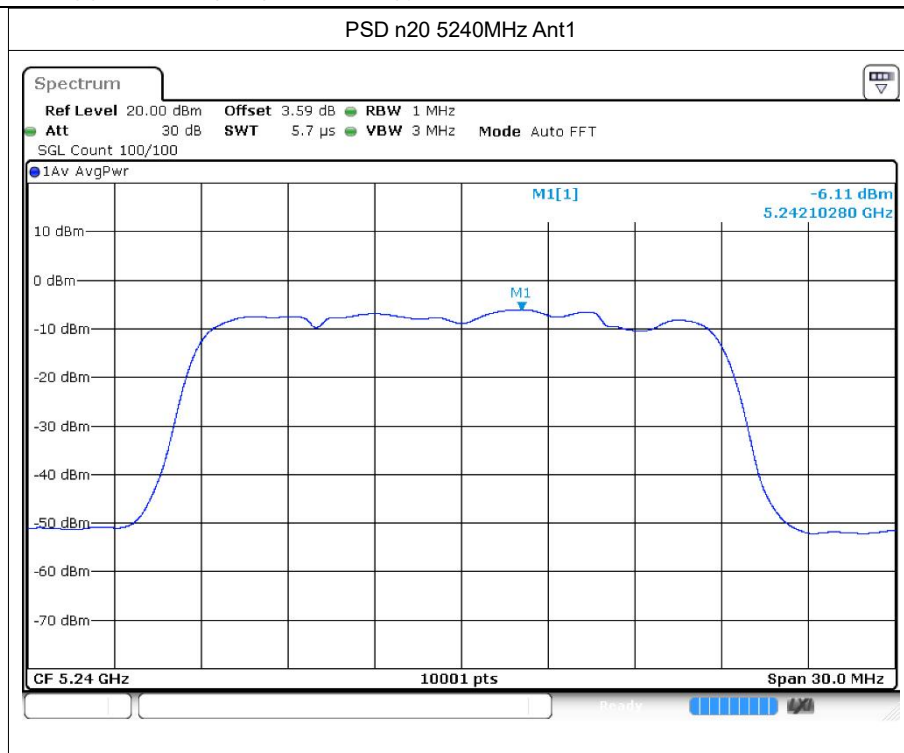


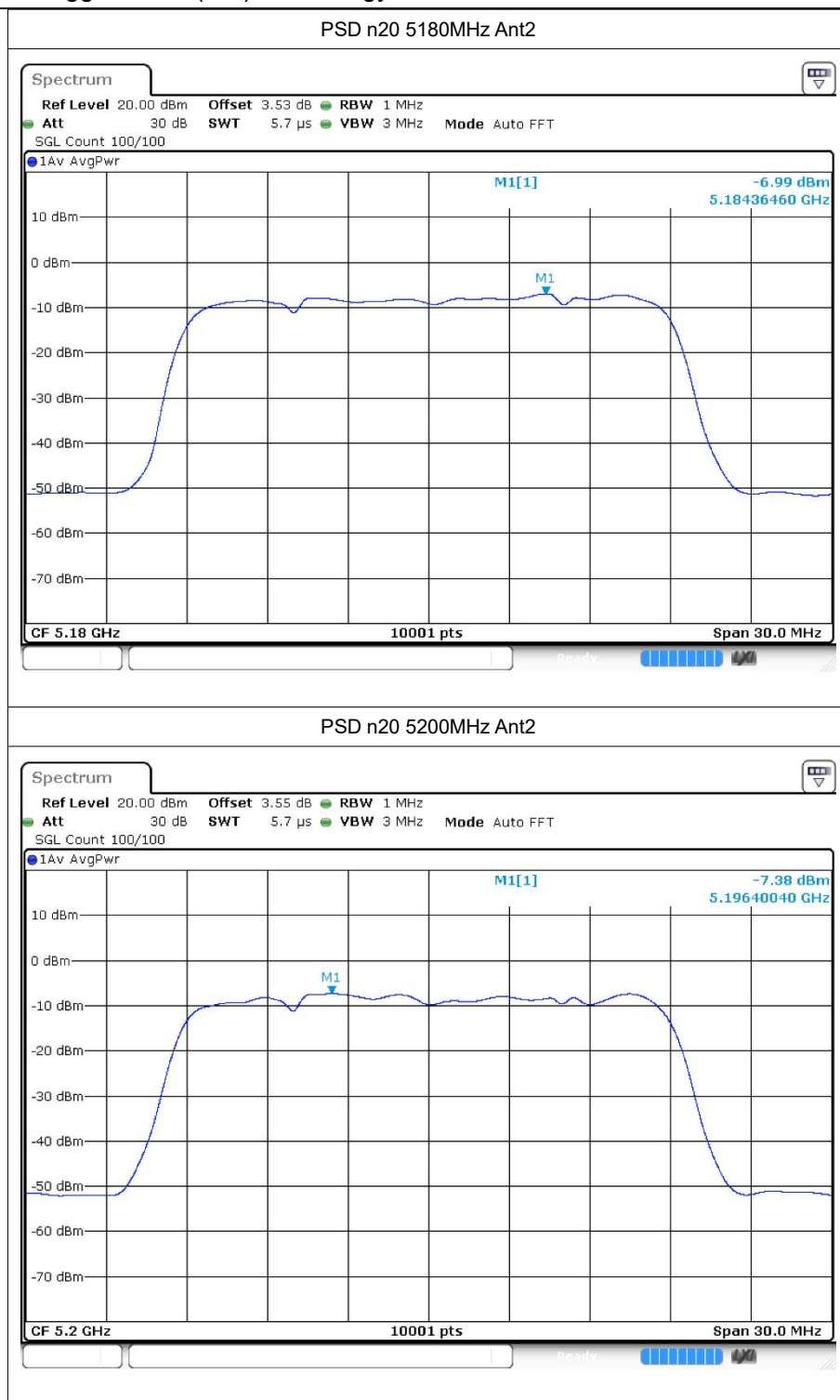
PSD n20 5180MHz Ant1

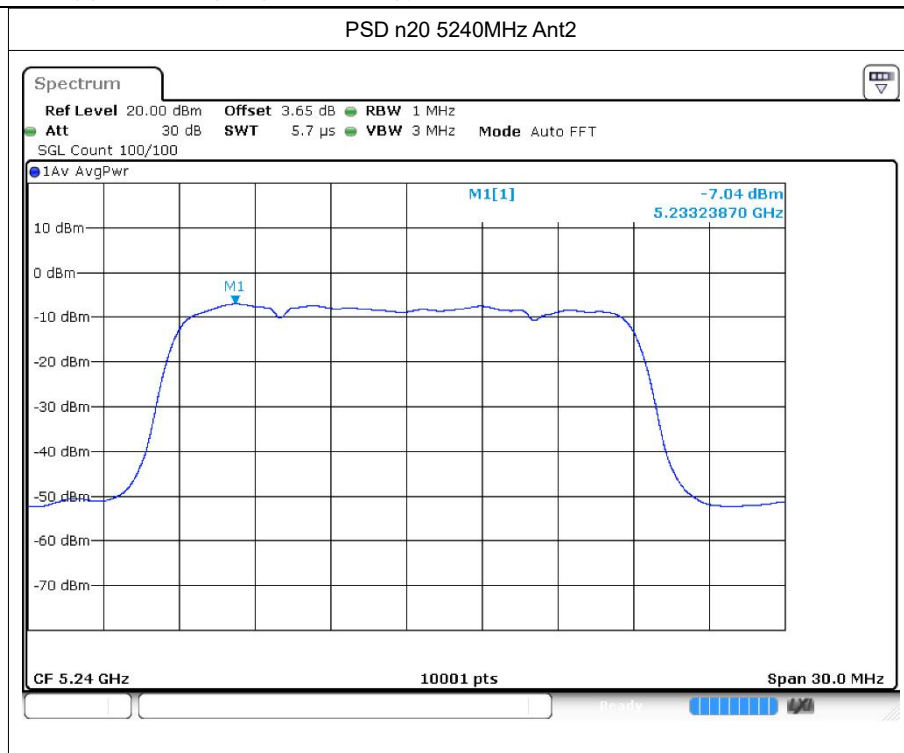


PSD n20 5200MHz Ant1

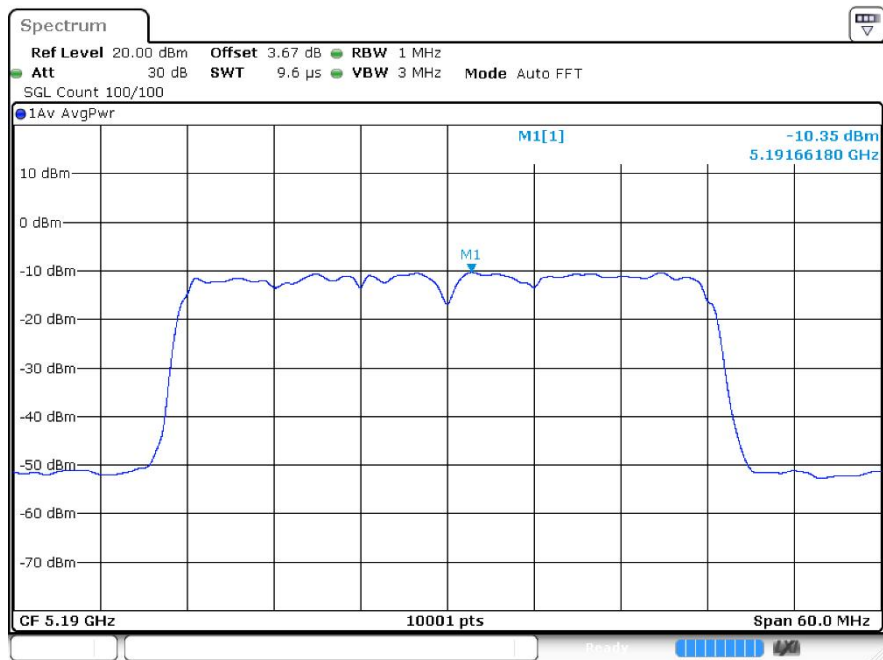




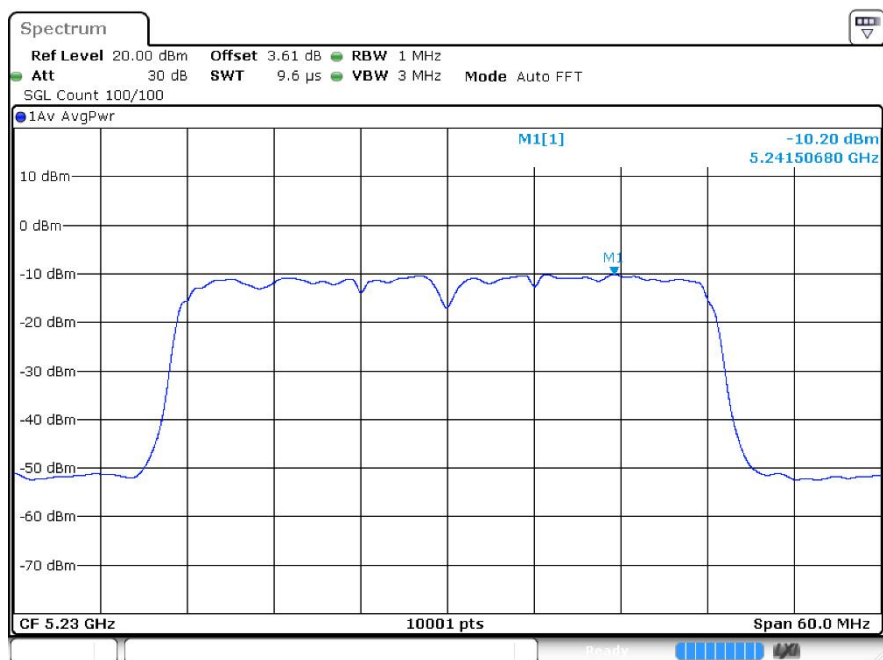




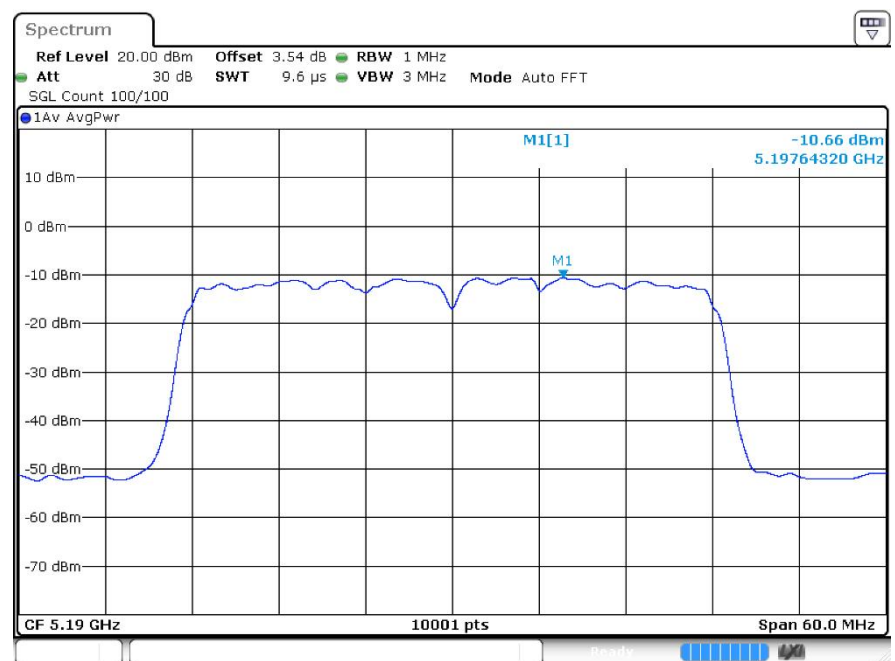
PSDn40 5190MHz Ant1



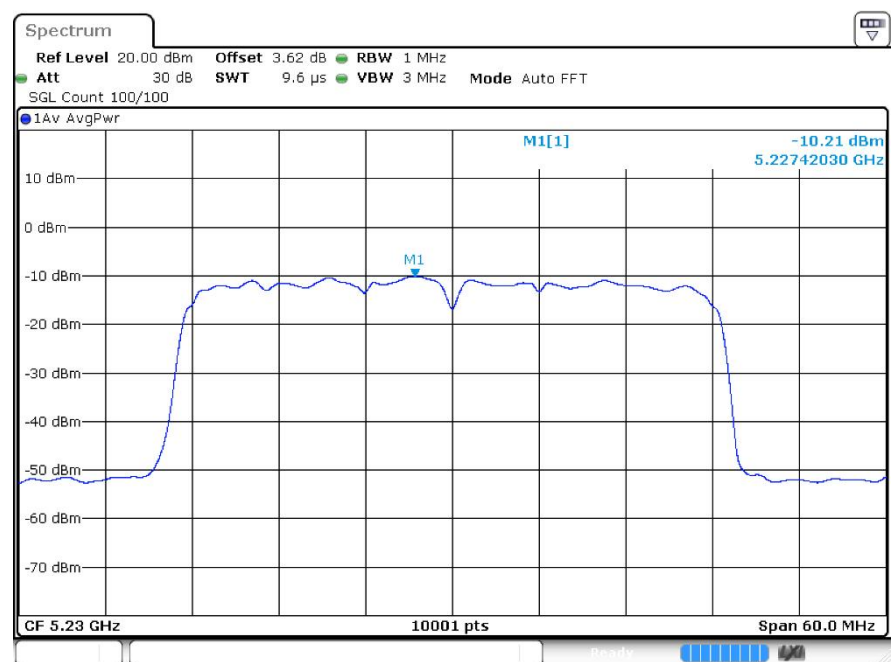
PSDn40 5230MHz Ant1



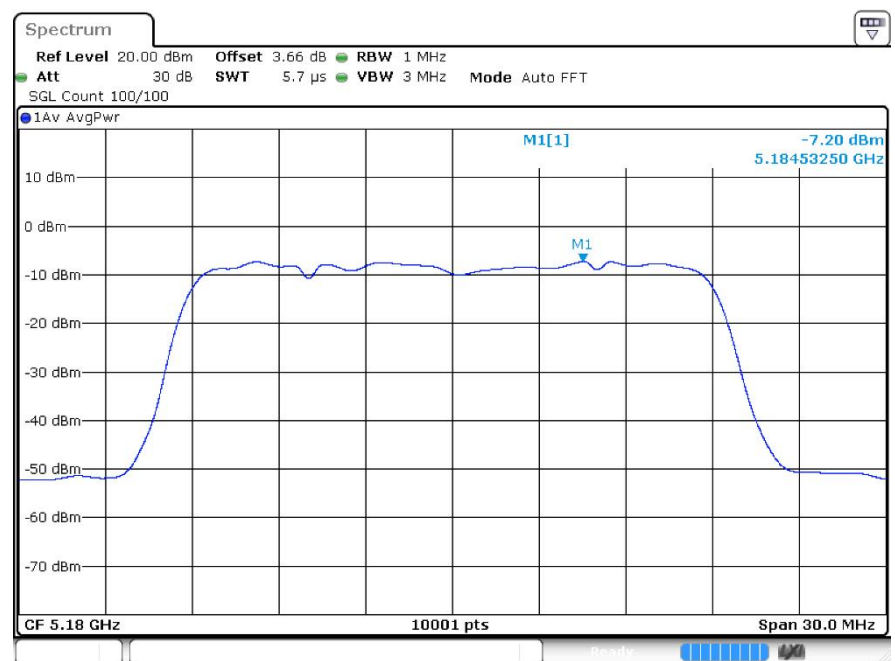
PSDn40 5190MHz Ant2



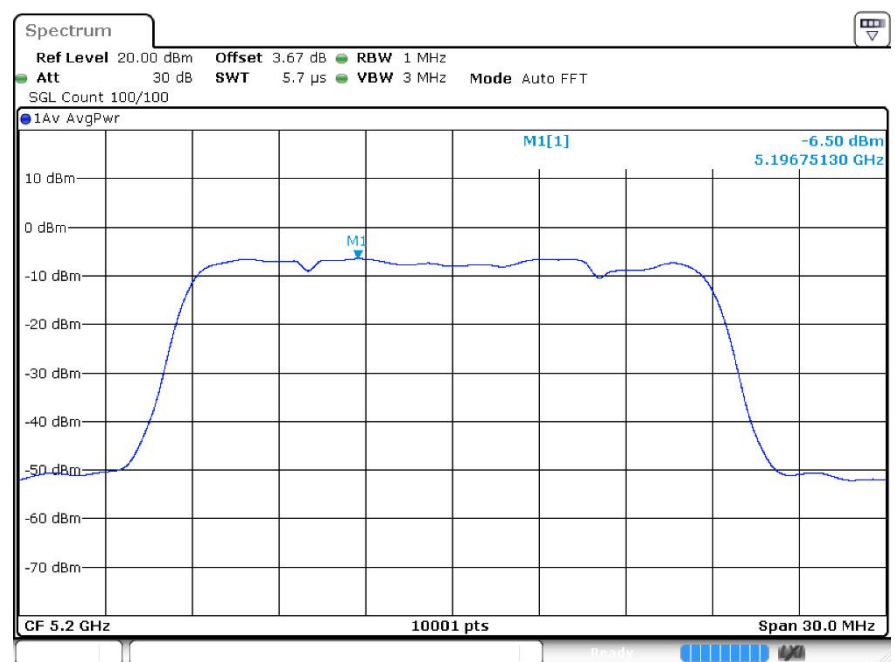
PSDn40 5230MHz Ant2

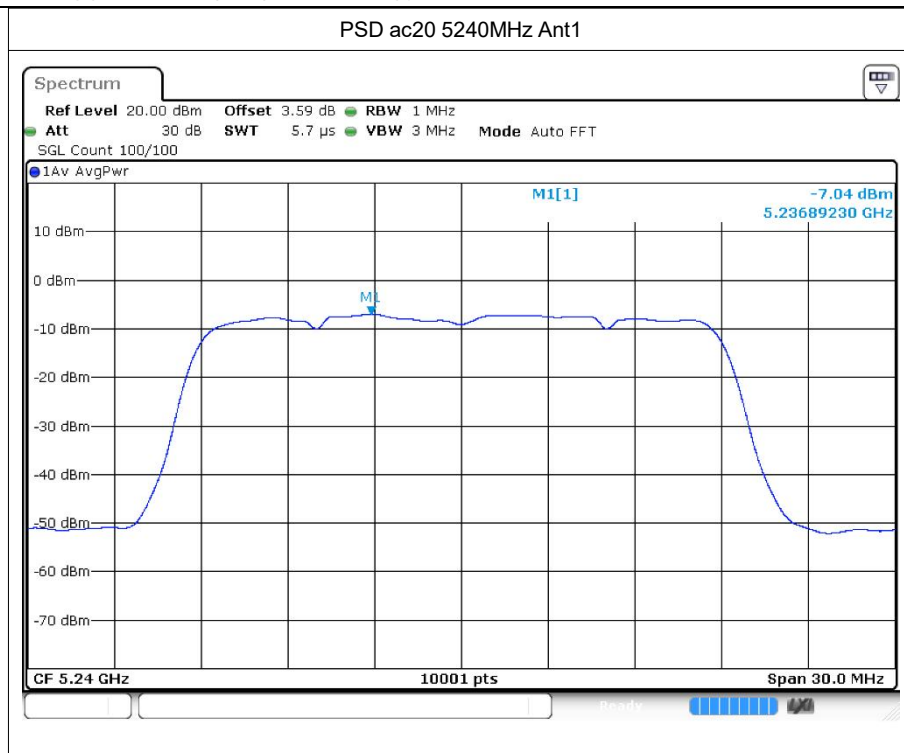


PSD ac20 5180MHz Ant1

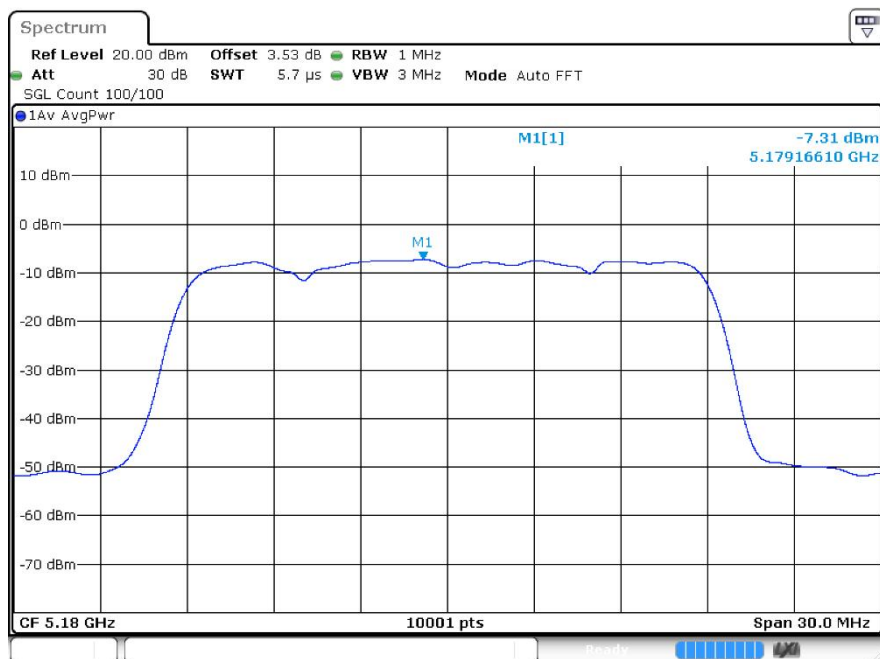


PSD ac20 5200MHz Ant1

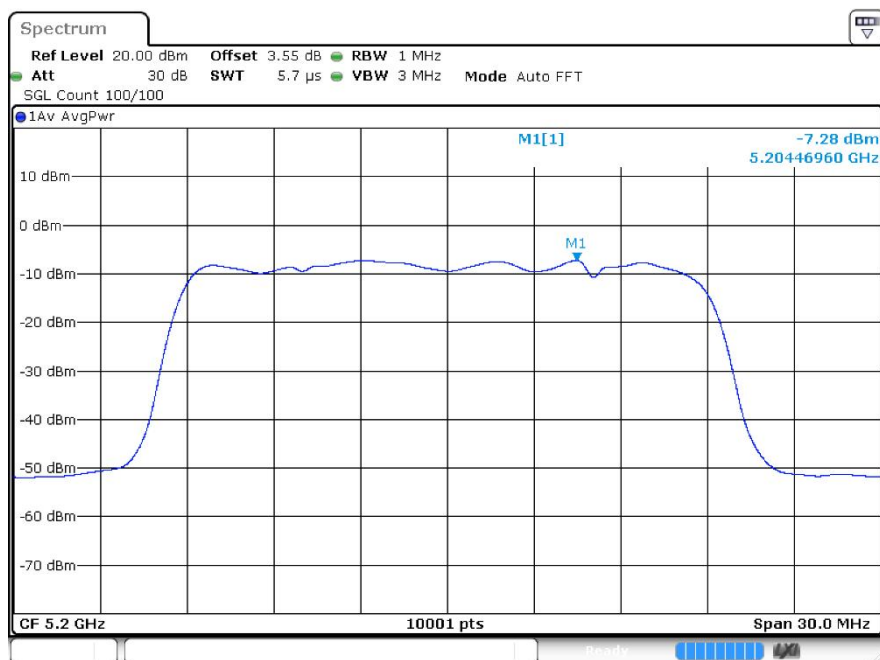


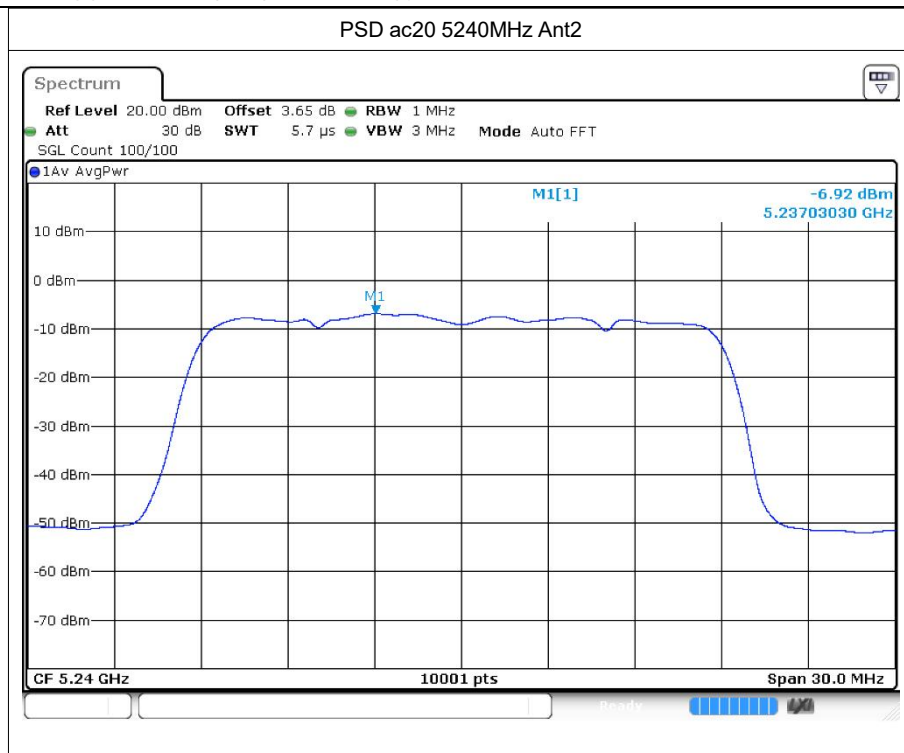


PSD ac20 5180MHz Ant2

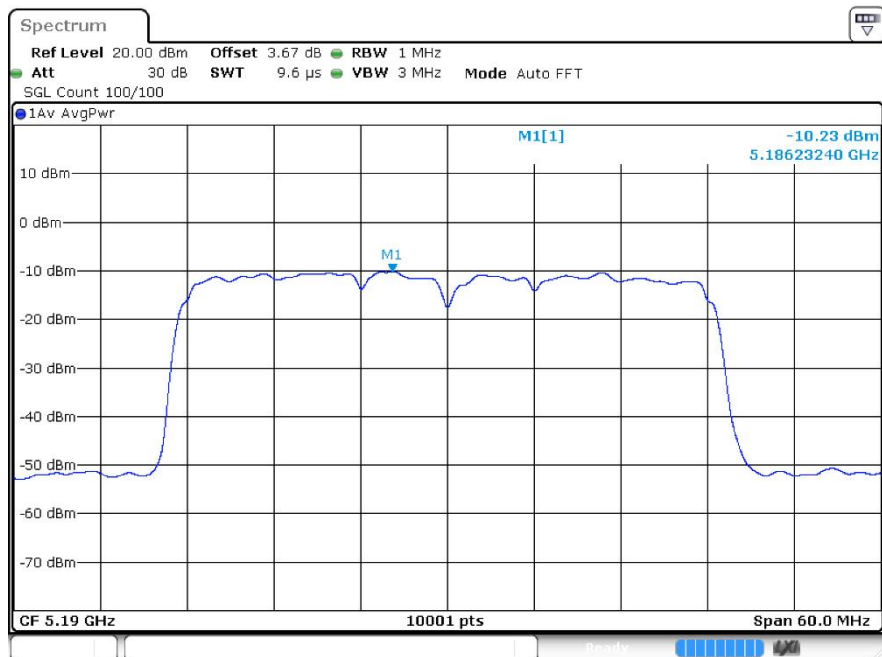


PSD ac20 5200MHz Ant2

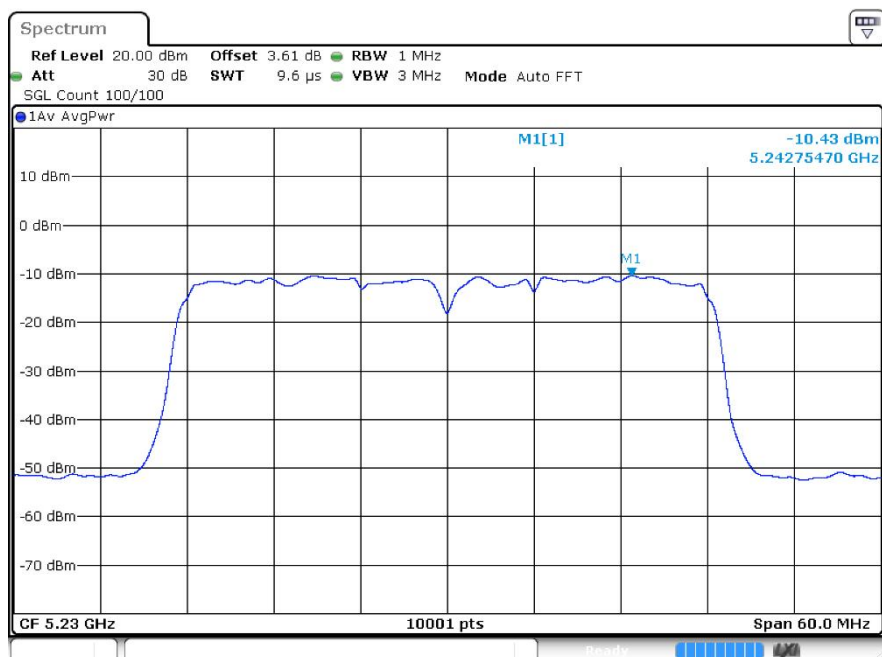




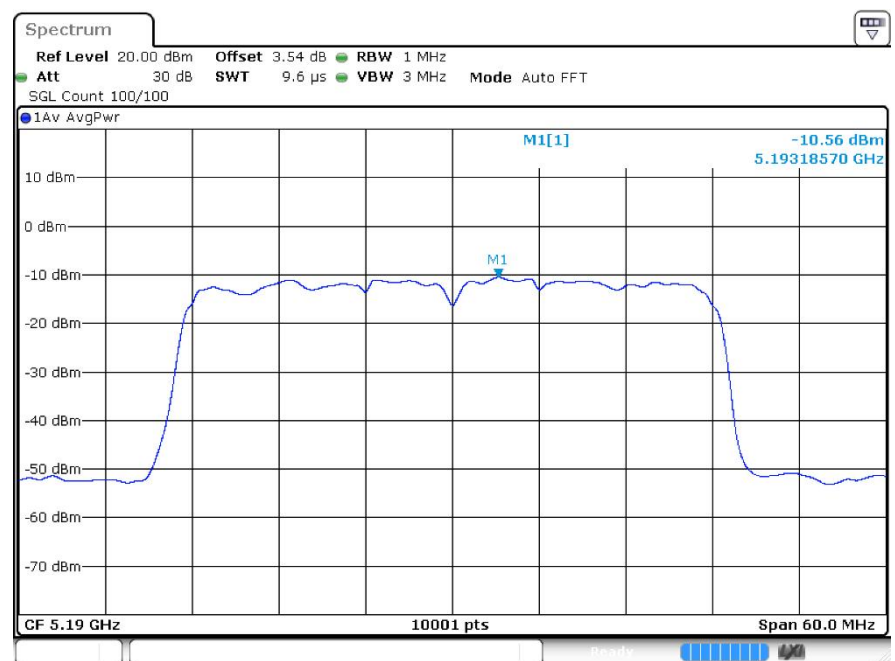
PSDac40 5190MHz Ant1



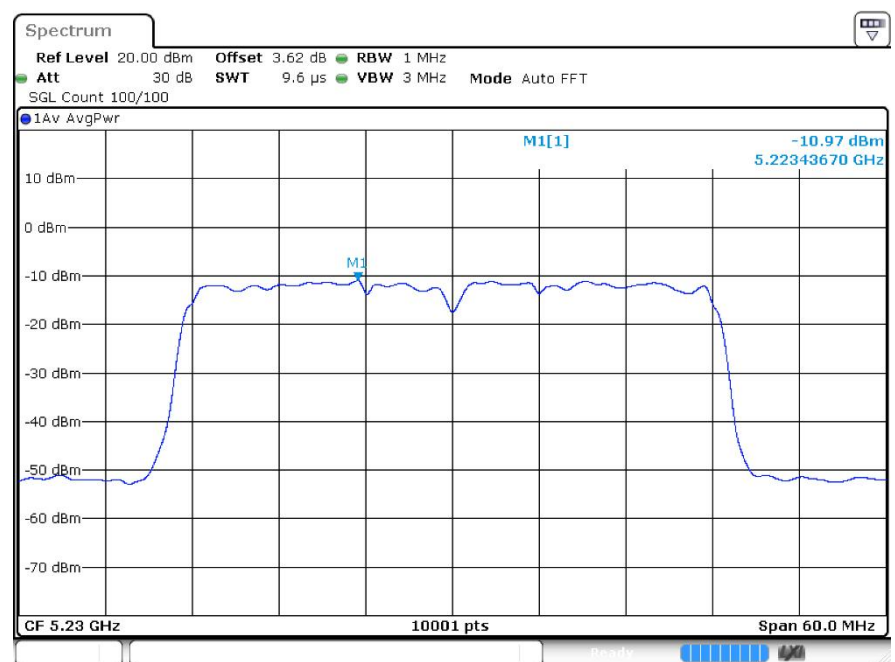
PSDac40 5230MHz Ant1



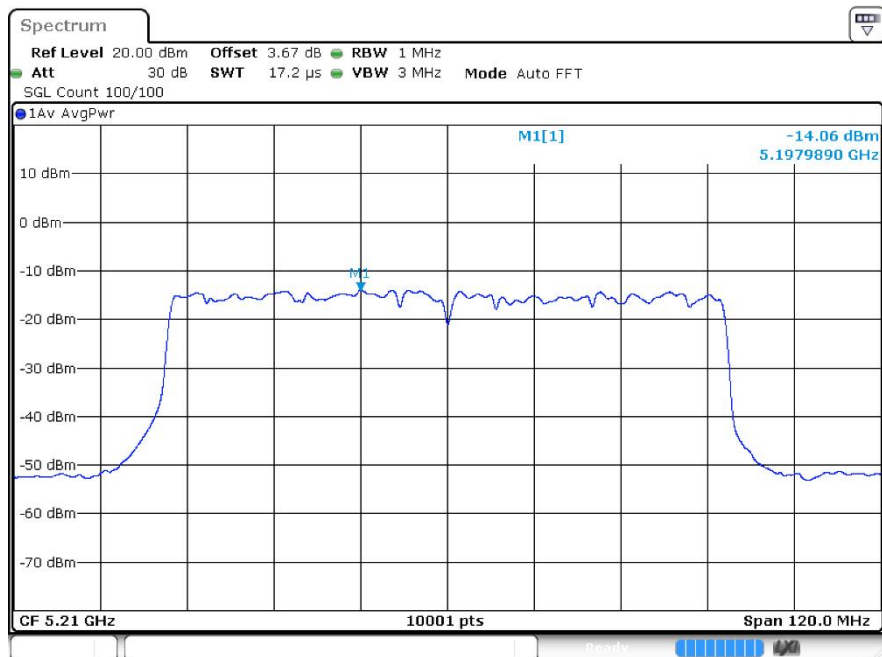
PSDac40 5190MHz Ant2



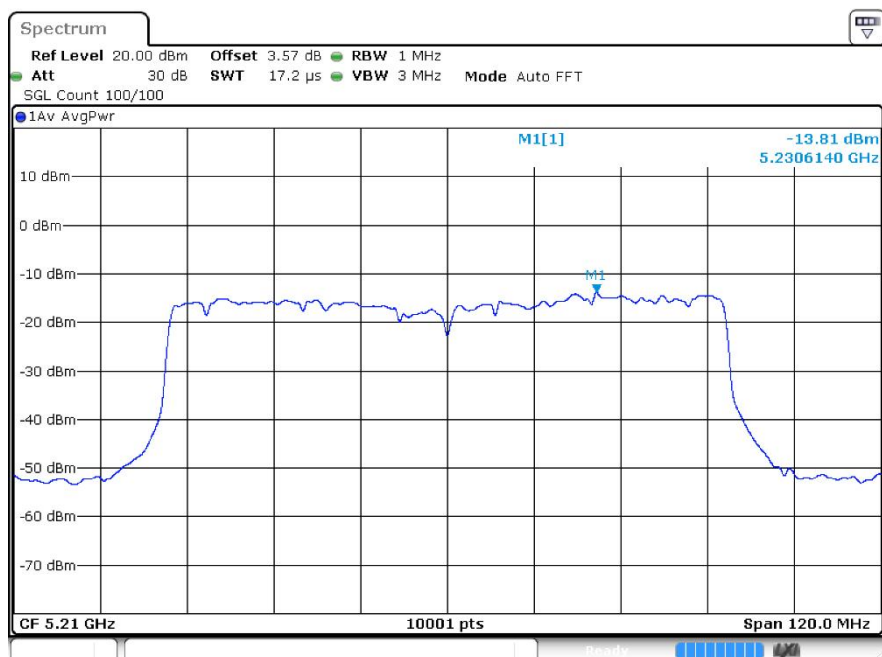
PSDac40 5230MHz Ant2



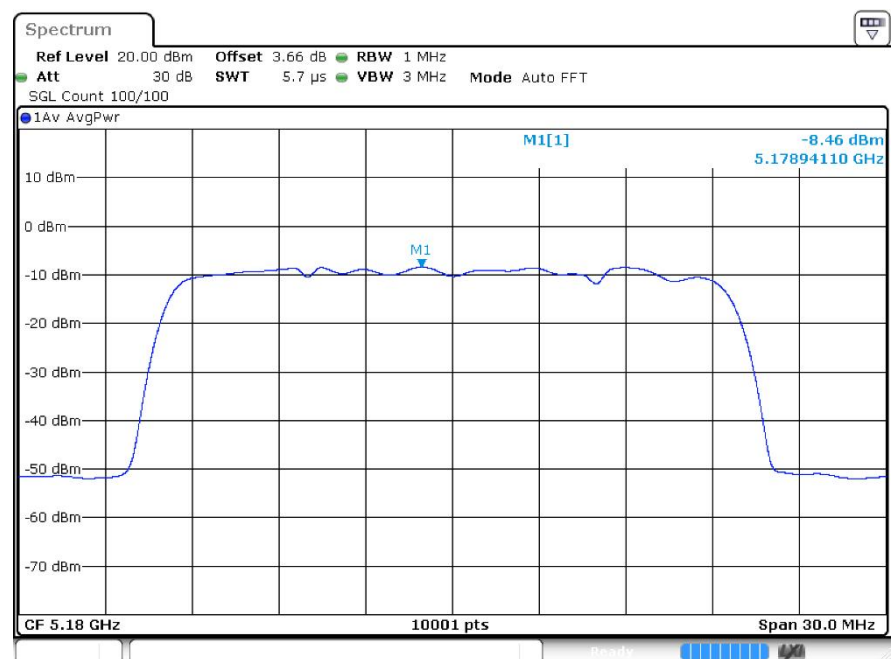
PSDac80 5210MHz Ant1



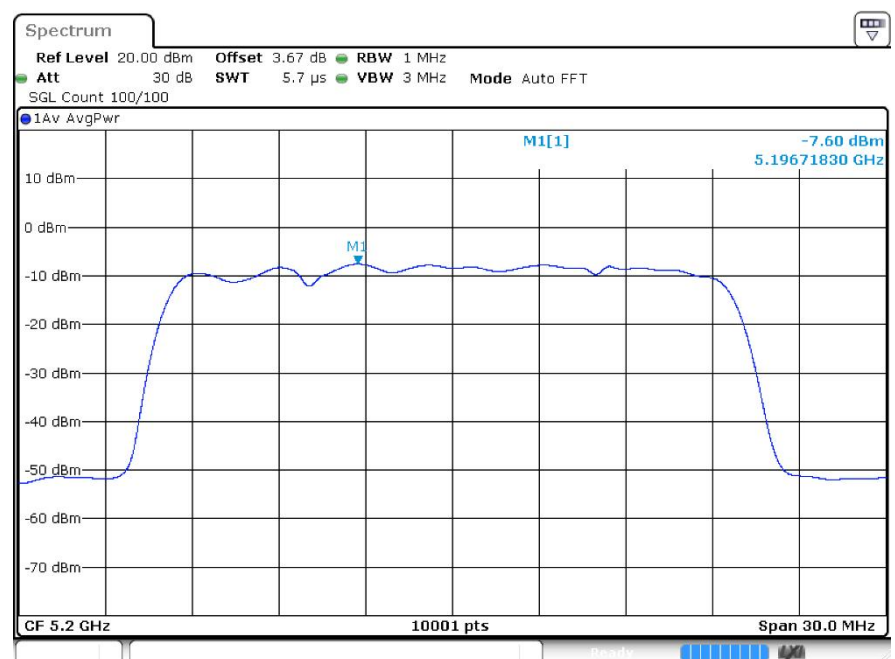
PSDac80 5210MHz Ant2

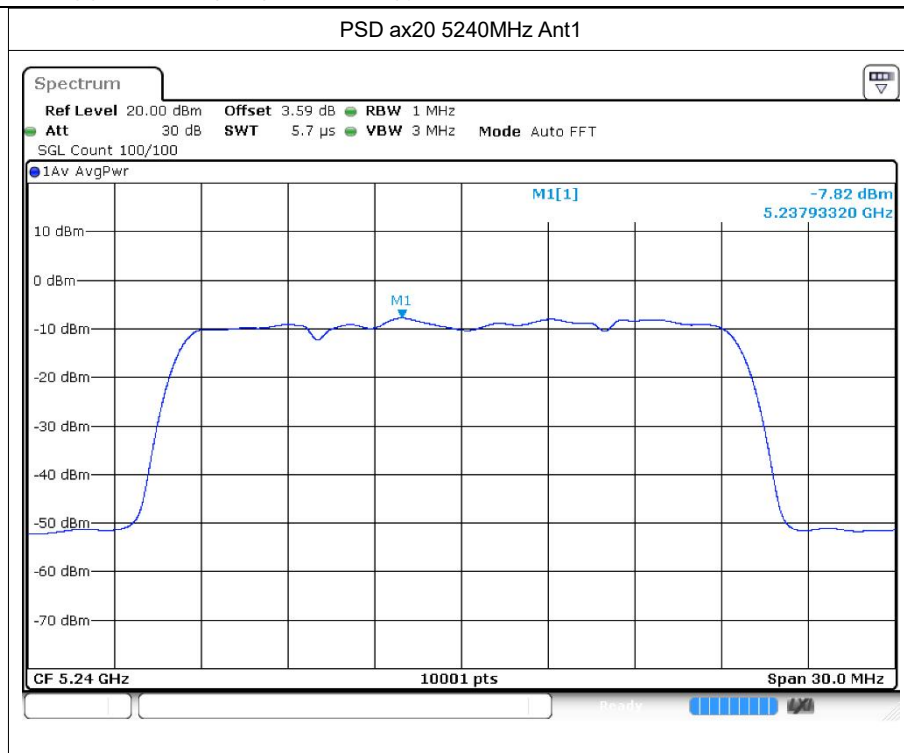


PSD ax20 5180MHz Ant1

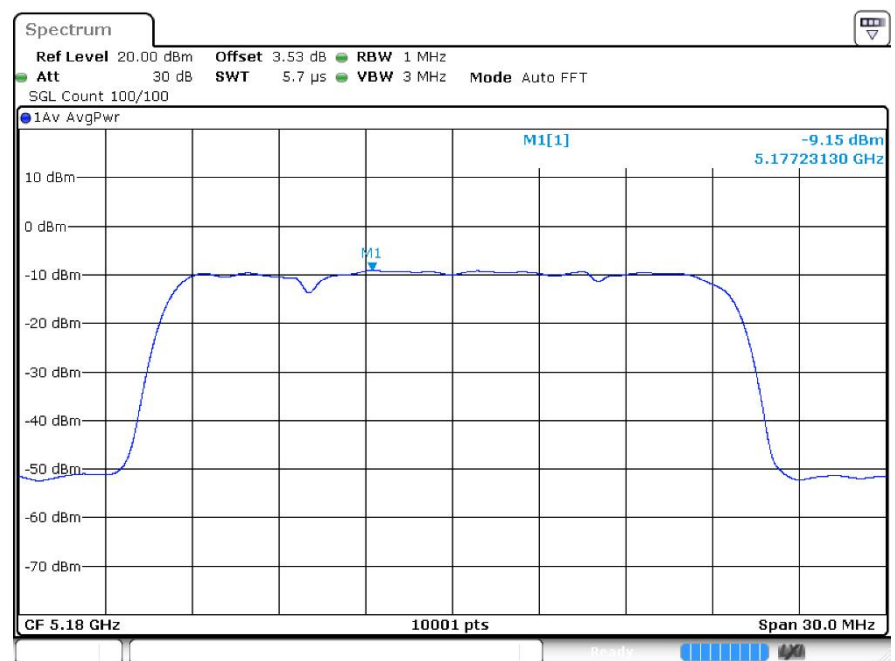


PSD ax20 5200MHz Ant1

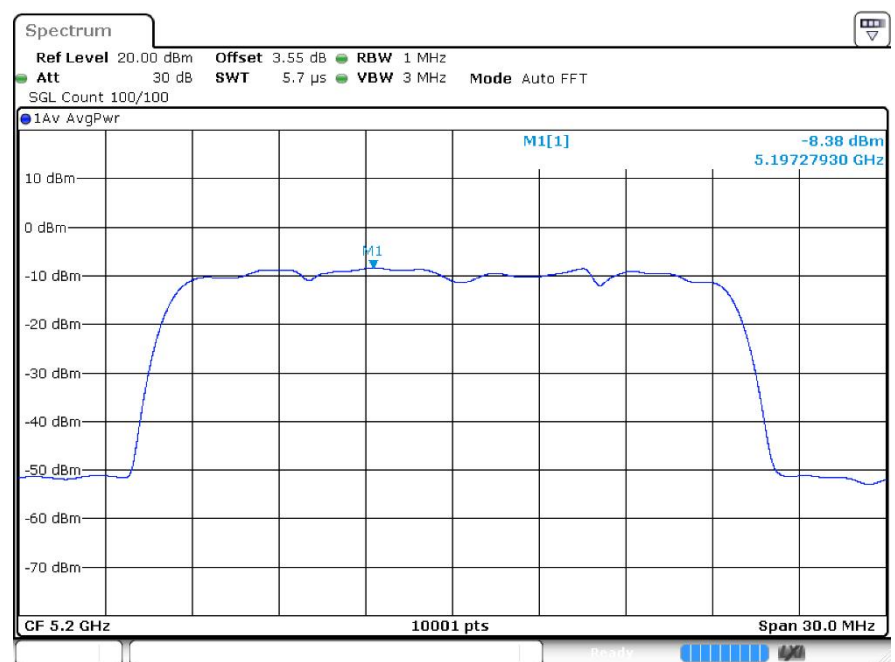


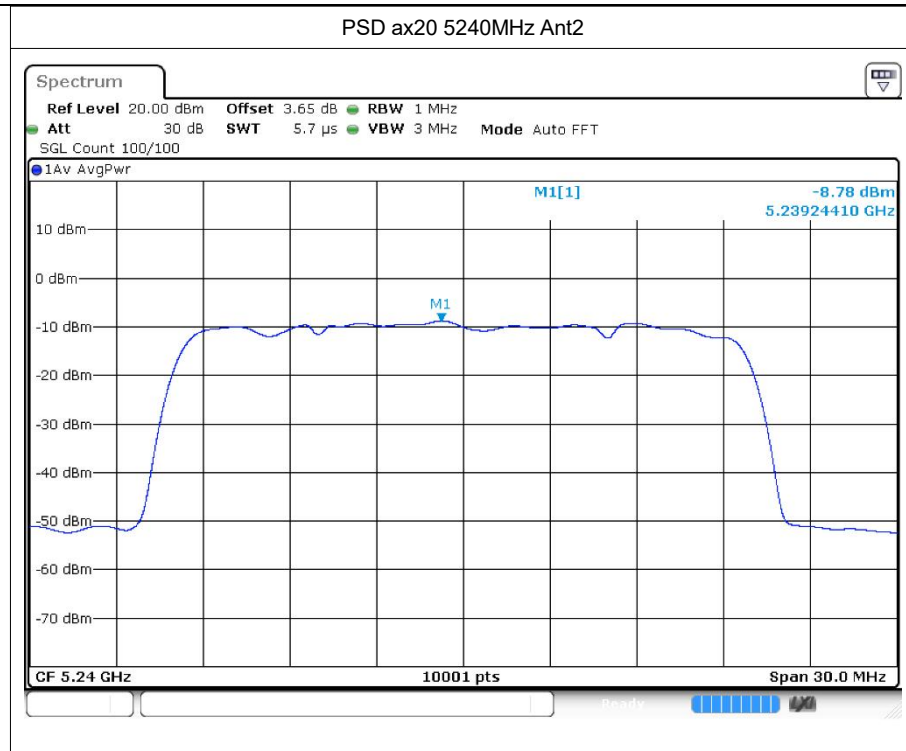


PSD ax20 5180MHz Ant2

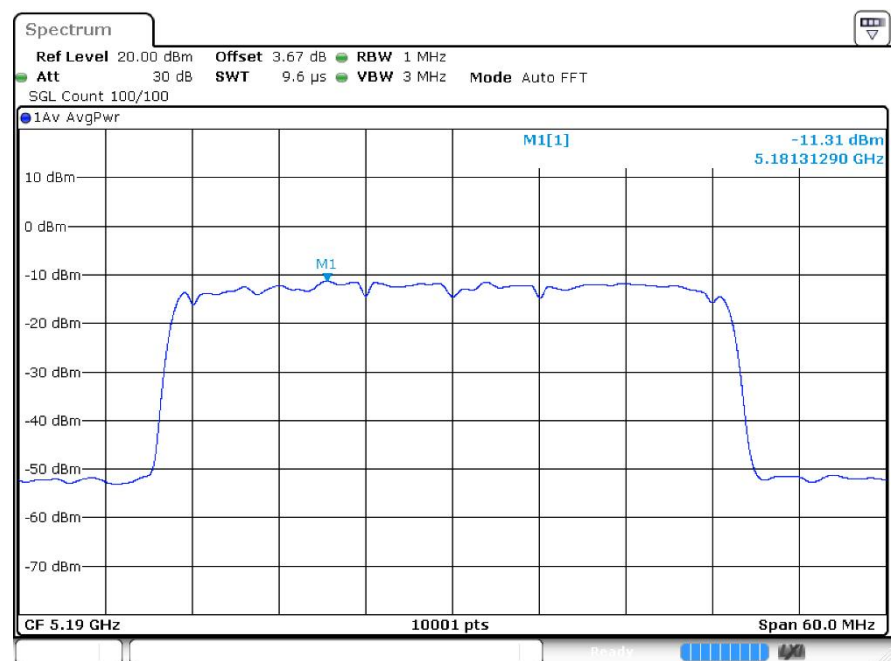


PSD ax20 5200MHz Ant2

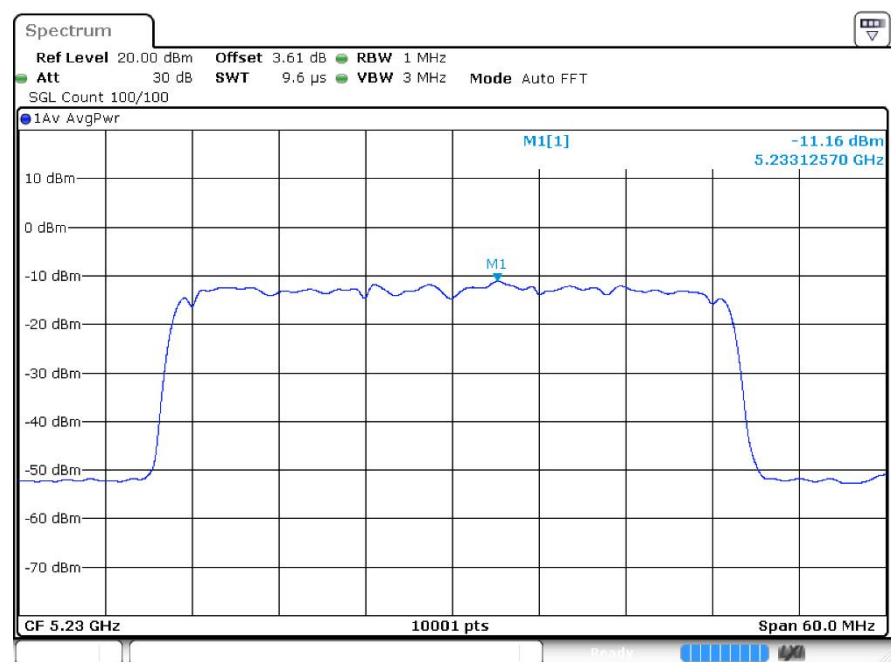




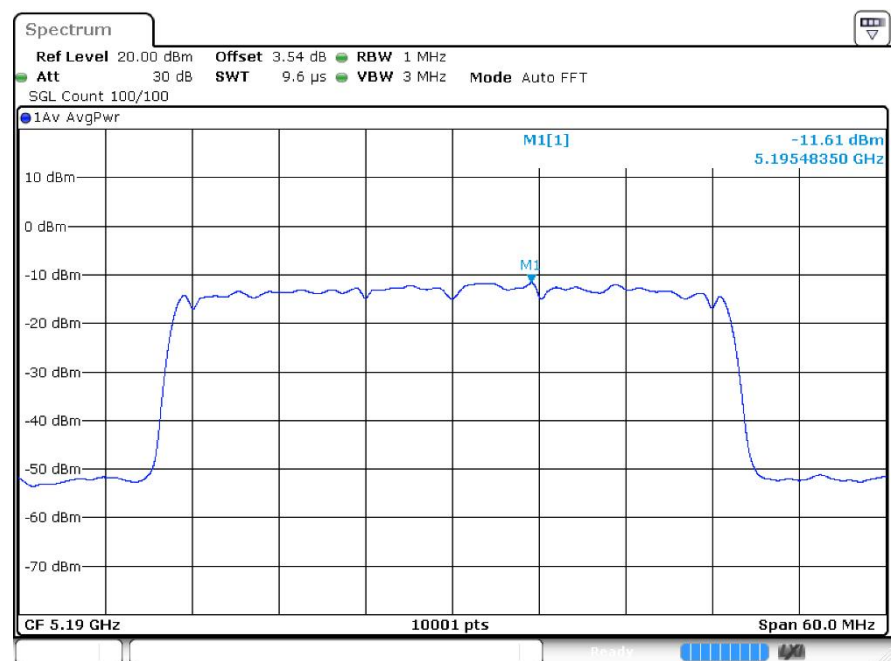
PSDax40 5190MHz Ant1



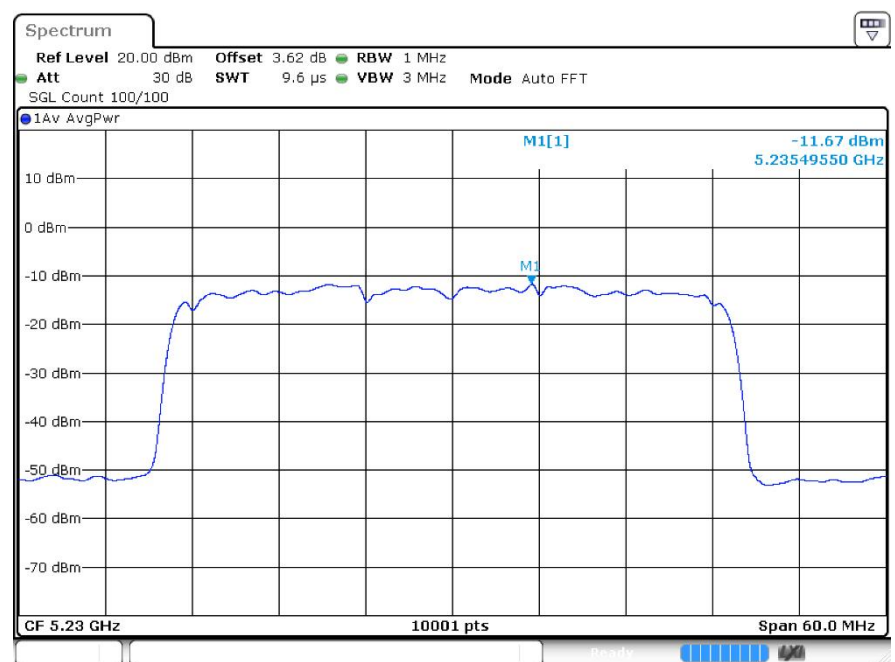
PSDax40 5230MHz Ant1



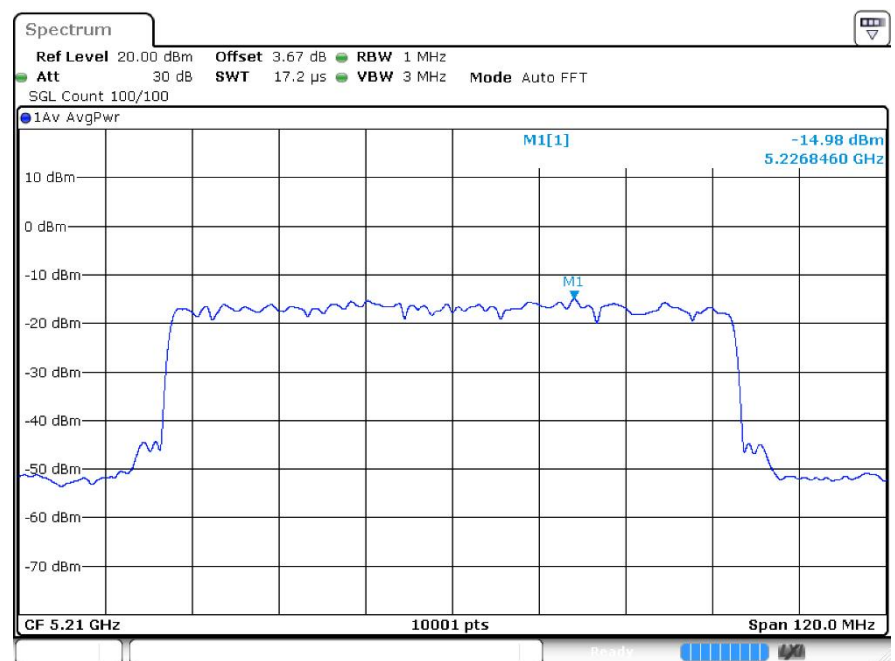
PSDax40 5190MHz Ant2



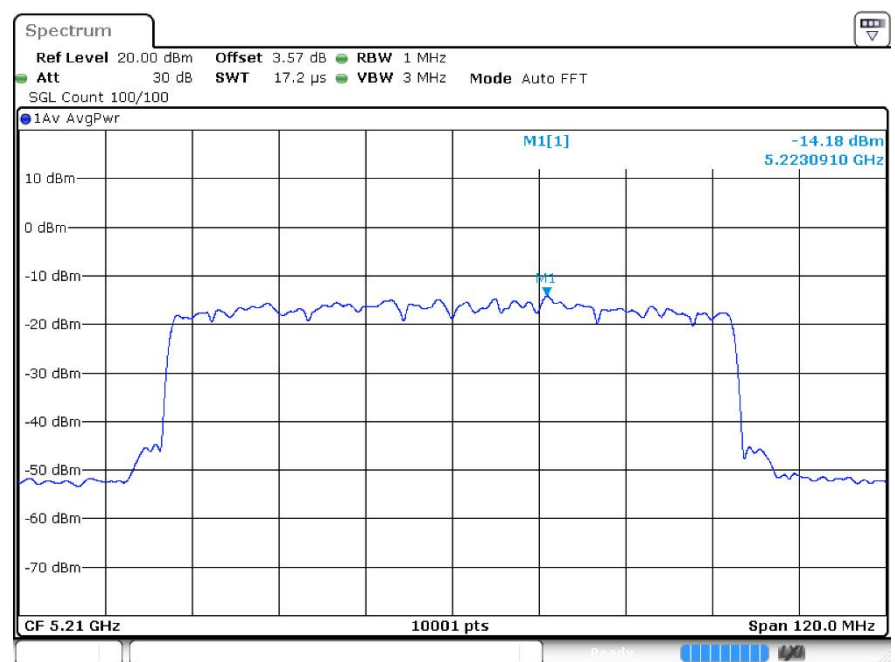
PSDax40 5230MHz Ant2



PSDax80 5210MHz Ant1



PSDax80 5210MHz Ant2





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	5179.98	-20000	-3.86	25	Pass
20C 138V	a	5180	Ant1	5179.96	-40000	-7.72	25	Pass
-20C 120V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-10C 120V	a	5180	Ant1	5179.96	-40000	-7.72	25	Pass
0C 120V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
10C 120V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
30C 120V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
40C 120V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
50C 120V	a	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 102V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 120V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 138V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
-20C 120V	a	5200	Ant1	5200	0	0	25	Pass
-10C 120V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
0C 120V	a	5200	Ant1	5199.96	-40000	-7.69	25	Pass
10C 120V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
30C 120V	a	5200	Ant1	5199.96	-40000	-7.69	25	Pass
40C 120V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 102V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 102V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 138V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-20C 120V	a	5240	Ant1	5240	0	0	25	Pass
-10C 120V	a	5240	Ant1	5240.02	20000	3.82	25	Pass
0C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
10C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
30C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
40C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
50C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 102V	n20	5180	Ant1	5180	0	0	25	Pass
20C 120V	n20	5180	Ant1	5180	0	0	25	Pass
20C 138V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-20C 120V	n20	5180	Ant1	5180	0	0	25	Pass
-10C 120V	n20	5180	Ant1	5180	0	0	25	Pass
0C 120V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass



10C 120V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
30C 120V	n20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
40C 120V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
50C 120V	n20	5180	Ant1	5180	0	0	25	Pass
20C 102V	n20	5200	Ant1	5200	0	0	25	Pass
20C 120V	n20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 138V	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
-20C 120V	n20	5200	Ant1	5200	0	0	25	Pass
-10C 120V	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
0C 120V	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
10C 120V	n20	5200	Ant1	5200	0	0	25	Pass
30C 120V	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
40C 120V	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
50C 120V	n20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
20C 102V	n20	5240	Ant1	5240	0	0	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	5240	0	0	25	Pass
0C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
10C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
30C 120V	n20	5240	Ant1	5240	0	0	25	Pass
40C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
50C 120V	n20	5240	Ant1	5240.02	20000	3.82	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	5190	0	0	25	Pass
-20C 120V	n40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
-10C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
0C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
10C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
30C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
40C 120V	n40	5190	Ant1	5190	0	0	25	Pass
50C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 102V	n40	5230	Ant1	5230	0	0	25	Pass
20C 120V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 138V	n40	5230	Ant1	5230	0	0	25	Pass
-20C 120V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
-10C 120V	n40	5230	Ant1	5230	0	0	25	Pass
0C 120V	n40	5230	Ant1	5230	0	0	25	Pass
10C 120V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
30C 120V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
40C 120V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass



50C 120V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 102V	ac20	5180	Ant1	5179.96	-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	5179.96	-40000	-7.72	25	Pass
-10C 120V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
0C 120V	ac20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
10C 120V	ac20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
30C 120V	ac20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
40C 120V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
50C 120V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 102V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 120V	ac20	5200	Ant1	5199.98	-20000	-3.85	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	5200	0	0	25	Pass
0C 120V	ac20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
10C 120V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
30C 120V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
40C 120V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
50C 120V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 102V	ac20	5240	Ant1	5239.96	-40000	-7.63	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	5240	0	0	25	Pass
-10C 120V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
0C 120V	ac20	5240	Ant1	5240	0	0	25	Pass
10C 120V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
30C 120V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
40C 120V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
50C 120V	ac20	5240	Ant1	5240	0	0	25	Pass
20C 102V	ac40	5190	Ant1	5190	0	0	25	Pass
20C 120V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 138V	ac40	5190	Ant1	5189.96	-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	5190	0	0	25	Pass
30C 120V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
40C 120V	ac40	5190	Ant1	5190	0	0	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	5230	0	0	25	Pass
-20C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
-10C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
0C 120V	ac40	5230	Ant1	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	5229.96	-40000	-7.65	25	Pass
50C 120V	ac40	5230	Ant1	5230	0	0	25	Pass
20C 102V	ac80	5210	Ant1	5210	0	0	25	Pass
20C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
20C 138V	ac80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
-20C 120V	ac80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
-10C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
0C 120V	ac80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
10C 120V	ac80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
30C 120V	ac80	5210	Ant1	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	5179.98	-20000	-3.86	25	Pass
20C 138V	ax20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-20C 120V	ax20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-10C 120V	ax20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
0C 120V	ax20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
10C 120V	ax20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
30C 120V	ax20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
40C 120V	ax20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
50C 120V	ax20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 102V	ax20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 120V	ax20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 138V	ax20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
-20C 120V	ax20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
-10C 120V	ax20	5200	Ant1	5199.98	-20000	-3.85	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	5199.96	-40000	-7.69	25	Pass
40C 120V	ax20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
50C 120V	ax20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 102V	ax20	5240	Ant1	5239.98	-20000	-3.82	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	5239.98	-20000	-3.82	25	Pass
-10C 120V	ax20	5240	Ant1	5240	0	0	25	Pass



0C 120V	ax20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
10C 120V	ax20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
30C 120V	ax20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
40C 120V	ax20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
50C 120V	ax20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 102V	ax40	5190	Ant1	5190	0	0	25	Pass
20C 120V	ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 138V	ax40	5190	Ant1	5190	0	0	25	Pass
-20C 120V	ax40	5190	Ant1	5190	0	0	25	Pass
-10C 120V	ax40	5190	Ant1	5189.96	-40000	-7.71	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	5189.96	-40000	-7.71	25	Pass
40C 120V	ax40	5190	Ant1	5190	0	0	25	Pass
50C 120V	ax40	5190	Ant1	5190	0	0	25	Pass
20C 102V	ax40	5230	Ant1	5230	0	0	25	Pass
20C 120V	ax40	5230	Ant1	5230	0	0	25	Pass
20C 138V	ax40	5230	Ant1	5230	0	0	25	Pass
-20C 120V	ax40	5230	Ant1	5230	0	0	25	Pass
-10C 120V	ax40	5230	Ant1	5230	0	0	25	Pass
0C 120V	ax40	5230	Ant1	5230	0	0	25	Pass
10C 120V	ax40	5230	Ant1	5230	0	0	25	Pass
30C 120V	ax40	5230	Ant1	5230	0	0	25	Pass
40C 120V	ax40	5230	Ant1	5230	0	0	25	Pass
50C 120V	ax40	5230	Ant1	5230	0	0	25	Pass
20C 102V	ax80	5210	Ant1	5209.92	-80000	-15.36	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	5209.92	-80000	-15.36	25	Pass
0C 120V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
10C 120V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
30C 120V	ax80	5210	Ant1	5209.92	-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	5179.96	-40000	-7.72	25	Pass
20C 120V	a	5180	Ant2	5179.96	-40000	-7.72	25	Pass
20C 138V	a	5180	Ant2	5179.98	-20000	-3.86	25	Pass
-20C 120V	a	5180	Ant2	5179.96	-40000	-7.72	25	Pass
-10C 120V	a	5180	Ant2	5179.98	-20000	-3.86	25	Pass
0C 120V	a	5180	Ant2	5179.98	-20000	-3.86	25	Pass
10C 120V	a	5180	Ant2	5179.98	-20000	-3.86	25	Pass
30C 120V	a	5180	Ant2	5179.96	-40000	-7.72	25	Pass



40C 120V	a	5180	Ant2	5180	0	0	25	Pass
50C 120V	a	5180	Ant2	5179.98	-20000	-3.86	25	Pass
20C 102V	a	5200	Ant2	5199.96	-40000	-7.69	25	Pass
20C 120V	a	5200	Ant2	5199.98	-20000	-3.85	25	Pass
20C 138V	a	5200	Ant2	5199.96	-40000	-7.69	25	Pass
-20C 120V	a	5200	Ant2	5199.96	-40000	-7.69	25	Pass
-10C 120V	a	5200	Ant2	5200	0	0	25	Pass
0C 120V	a	5200	Ant2	5199.96	-40000	-7.69	25	Pass
10C 120V	a	5200	Ant2	5199.96	-40000	-7.69	25	Pass
30C 120V	a	5200	Ant2	5199.96	-40000	-7.69	25	Pass
40C 120V	a	5200	Ant2	5199.94	-60000	-11.54	25	Pass
20C 102V	a	5200	Ant2	5199.96	-40000	-7.69	25	Pass
20C 102V	a	5240	Ant2	5239.98	-20000	-3.82	25	Pass
20C 120V	a	5240	Ant2	5239.98	-20000	-3.82	25	Pass
20C 138V	a	5240	Ant2	5239.98	-20000	-3.82	25	Pass
-20C 120V	a	5240	Ant2	5240	0	0	25	Pass
-10C 120V	a	5240	Ant2	5239.98	-20000	-3.82	25	Pass
0C 120V	a	5240	Ant2	5239.98	-20000	-3.82	25	Pass
10C 120V	a	5240	Ant2	5239.96	-40000	-7.63	25	Pass
30C 120V	a	5240	Ant2	5239.98	-20000	-3.82	25	Pass
40C 120V	a	5240	Ant2	5239.96	-40000	-7.63	25	Pass
50C 120V	a	5240	Ant2	5239.98	-20000	-3.82	25	Pass
20C 102V	n20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
20C 120V	n20	5180	Ant2	5180	0	0	25	Pass
20C 138V	n20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
-20C 120V	n20	5180	Ant2	5180	0	0	25	Pass
-10C 120V	n20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
0C 120V	n20	5180	Ant2	5180	0	0	25	Pass
10C 120V	n20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
30C 120V	n20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
40C 120V	n20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
50C 120V	n20	5180	Ant2	5180	0	0	25	Pass
20C 102V	n20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
20C 120V	n20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
20C 138V	n20	5200	Ant2	5200	0	0	25	Pass
-20C 120V	n20	5200	Ant2	5199.98	-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	5200	0	0	25	Pass
30C 120V	n20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
40C 120V	n20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
50C 120V	n20	5200	Ant2	5200	0	0	25	Pass
20C 102V	n20	5240	Ant2	5239.96	-40000	-7.63	25	Pass



20C 120V	n20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
20C 138V	n20	5240	Ant2	5240	0	0	25	Pass
-20C 120V	n20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
-10C 120V	n20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
0C 120V	n20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
10C 120V	n20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
30C 120V	n20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
40C 120V	n20	5240	Ant2	5240	0	0	25	Pass
50C 120V	n20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
20C 102V	n40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
20C 120V	n40	5190	Ant2	5190	0	0	25	Pass
20C 138V	n40	5190	Ant2	5190	0	0	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	5190	0	0	25	Pass
10C 120V	n40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
30C 120V	n40	5190	Ant2	5190	0	0	25	Pass
40C 120V	n40	5190	Ant2	5189.96	-40000	-7.71	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	5230	0	0	25	Pass
20C 138V	n40	5230	Ant2	5229.92	-80000	-15.3	25	Pass
-20C 120V	n40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
-10C 120V	n40	5230	Ant2	5230	0	0	25	Pass
0C 120V	n40	5230	Ant2	5230	0	0	25	Pass
10C 120V	n40	5230	Ant2	5230	0	0	25	Pass
30C 120V	n40	5230	Ant2	5230	0	0	25	Pass
40C 120V	n40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
50C 120V	n40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
20C 102V	ac20	5180	Ant2	5180	0	0	25	Pass
20C 120V	ac20	5180	Ant2	5180	0	0	25	Pass
20C 138V	ac20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
-20C 120V	ac20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
-10C 120V	ac20	5180	Ant2	5180	0	0	25	Pass
0C 120V	ac20	5180	Ant2	5180	0	0	25	Pass
10C 120V	ac20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
30C 120V	ac20	5180	Ant2	5180	0	0	25	Pass
40C 120V	ac20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
50C 120V	ac20	5180	Ant2	5180	0	0	25	Pass
20C 102V	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
20C 120V	ac20	5200	Ant2	5200	0	0	25	Pass
20C 138V	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
-20C 120V	ac20	5200	Ant2	5199.96	-40000	-7.69	25	Pass



-10C 120V	ac20	5200	Ant2	5200	0	0	25	Pass
0C 120V	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
10C 120V	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
30C 120V	ac20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
40C 120V	ac20	5200	Ant2	5200	0	0	25	Pass
50C 120V	ac20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
20C 102V	ac20	5240	Ant2	5240	0	0	25	Pass
20C 120V	ac20	5240	Ant2	5240	0	0	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	5239.98	-20000	-3.82	25	Pass
0C 120V	ac20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
10C 120V	ac20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
30C 120V	ac20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
40C 120V	ac20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
50C 120V	ac20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
20C 102V	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
20C 120V	ac40	5190	Ant2	5190	0	0	25	Pass
20C 138V	ac40	5190	Ant2	5190	0	0	25	Pass
-20C 120V	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
-10C 120V	ac40	5190	Ant2	5189.92	-80000	-15.41	25	Pass
0C 120V	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
10C 120V	ac40	5190	Ant2	5190	0	0	25	Pass
30C 120V	ac40	5190	Ant2	5190	0	0	25	Pass
40C 120V	ac40	5190	Ant2	5190	0	0	25	Pass
50C 120V	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
20C 102V	ac40	5230	Ant2	5230	0	0	25	Pass
20C 120V	ac40	5230	Ant2	5230	0	0	25	Pass
20C 138V	ac40	5230	Ant2	5230	0	0	25	Pass
-20C 120V	ac40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
-10C 120V	ac40	5230	Ant2	5230	0	0	25	Pass
0C 120V	ac40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
10C 120V	ac40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
30C 120V	ac40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
40C 120V	ac40	5230	Ant2	5230	0	0	25	Pass
50C 120V	ac40	5230	Ant2	5230	0	0	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	5210	0	0	25	Pass
-10C 120V	ac80	5210	Ant2	5210	0	0	25	Pass
0C 120V	ac80	5210	Ant2	5210	0	0	25	Pass
10C 120V	ac80	5210	Ant2	5209.92	-80000	-15.36	25	Pass



30C 120V	ac80	5210	Ant2	5210.08	80000	15.36	25	Pass
40C 120V	ac80	5210	Ant2	5210	0	0	25	Pass
50C 120V	ac80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
20C 102V	ax20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
20C 120V	ax20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
20C 138V	ax20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
-20C 120V	ax20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
-10C 120V	ax20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
0C 120V	ax20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
10C 120V	ax20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
30C 120V	ax20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
40C 120V	ax20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
50C 120V	ax20	5180	Ant2	5180	0	0	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	5199.96	-40000	-7.69	25	Pass
-20C 120V	ax20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
-10C 120V	ax20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
0C 120V	ax20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
10C 120V	ax20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
30C 120V	ax20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
40C 120V	ax20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
50C 120V	ax20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
20C 102V	ax20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
20C 120V	ax20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
20C 138V	ax20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
-20C 120V	ax20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
-10C 120V	ax20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
0C 120V	ax20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
10C 120V	ax20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
30C 120V	ax20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
40C 120V	ax20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
50C 120V	ax20	5240	Ant2	5240	0	0	25	Pass
20C 102V	ax40	5190	Ant2	5190	0	0	25	Pass
20C 120V	ax40	5190	Ant2	5190	0	0	25	Pass
20C 138V	ax40	5190	Ant2	5190	0	0	25	Pass
-20C 120V	ax40	5190	Ant2	5190	0	0	25	Pass
-10C 120V	ax40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
0C 120V	ax40	5190	Ant2	5190	0	0	25	Pass
10C 120V	ax40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
30C 120V	ax40	5190	Ant2	5190	0	0	25	Pass
40C 120V	ax40	5190	Ant2	5190	0	0	25	Pass
50C 120V	ax40	5190	Ant2	5190	0	0	25	Pass



20C 102V	ax40	5230	Ant2	5230	0	0	25	Pass
20C 120V	ax40	5230	Ant2	5230	0	0	25	Pass
20C 138V	ax40	5230	Ant2	5230	0	0	25	Pass
-20C 120V	ax40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
-10C 120V	ax40	5230	Ant2	5230	0	0	25	Pass
0C 120V	ax40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
10C 120V	ax40	5230	Ant2	5230	0	0	25	Pass
30C 120V	ax40	5230	Ant2	5230	0	0	25	Pass
40C 120V	ax40	5230	Ant2	5230	0	0	25	Pass
50C 120V	ax40	5230	Ant2	5230	0	0	25	Pass
20C 102V	ax80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
20C 120V	ax80	5210	Ant2	5210	0	0	25	Pass
20C 138V	ax80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
-20C 120V	ax80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
-10C 120V	ax80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
0C 120V	ax80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
10C 120V	ax80	5210	Ant2	5210	0	0	25	Pass
30C 120V	ax80	5210	Ant2	5210	0	0	25	Pass
40C 120V	ax80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
50C 120V	ax80	5210	Ant2	5210	0	0	25	Pass



7 Conducted RF Spurious Emission

7.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
a	5180	Ant1	-36.4	-27	Pass
a	5200	Ant1	-36.66	-27	Pass
a	5240	Ant1	-36.73	-27	Pass
n20	5180	Ant1	-37.05	-27	Pass
n20	5200	Ant1	-36.35	-27	Pass
n20	5240	Ant1	-36.76	-27	Pass
n40	5190	Ant1	-36.24	-27	Pass
n40	5230	Ant1	-35.72	-27	Pass
ac20	5180	Ant1	-36.12	-27	Pass
ac20	5200	Ant1	-36.07	-27	Pass
ac20	5240	Ant1	-36.89	-27	Pass
ac40	5190	Ant1	-36.13	-27	Pass
ac40	5230	Ant1	-36.5	-27	Pass
ac80	5210	Ant1	-36.31	-27	Pass
ax20	5180	Ant1	-36.81	-27	Pass
ax20	5200	Ant1	-36.05	-27	Pass
ax20	5240	Ant1	-37.14	-27	Pass
ax40	5190	Ant1	-35.66	-27	Pass
ax40	5230	Ant1	-36.27	-27	Pass
ax80	5210	Ant1	-36.18	-27	Pass
a	5180	Ant2	-36.81	-27	Pass
a	5200	Ant2	-36.13	-27	Pass
a	5240	Ant2	-36.12	-27	Pass
n20	5180	Ant2	-36.86	-27	Pass
n20	5200	Ant2	-36.9	-27	Pass
n20	5240	Ant2	-36.71	-27	Pass
n40	5190	Ant2	-36.3	-27	Pass
n40	5230	Ant2	-36.9	-27	Pass
ac20	5180	Ant2	-36.16	-27	Pass
ac20	5200	Ant2	-36.51	-27	Pass
ac20	5240	Ant2	-36.51	-27	Pass
ac40	5190	Ant2	-36.78	-27	Pass
ac40	5230	Ant2	-36.63	-27	Pass
ac80	5210	Ant2	-36.76	-27	Pass
ax20	5180	Ant2	-36.43	-27	Pass
ax20	5200	Ant2	-36.27	-27	Pass
ax20	5240	Ant2	-36.97	-27	Pass



ax40	5190	Ant2	-36.99	-27	Pass
ax40	5230	Ant2	-35.25	-27	Pass
ax80	5210	Ant2	-36.41	-27	Pass



7.2 Test Graphs

