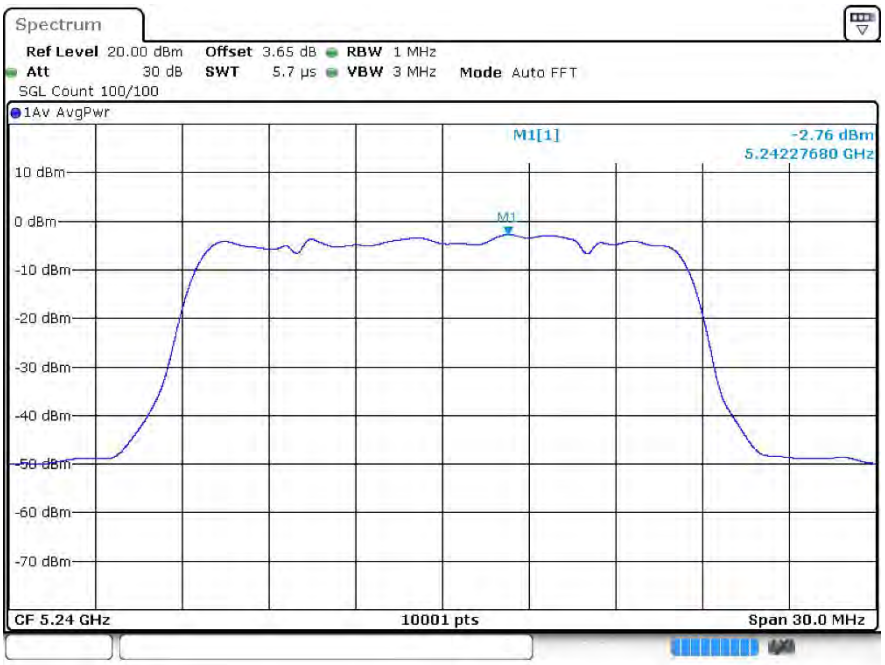
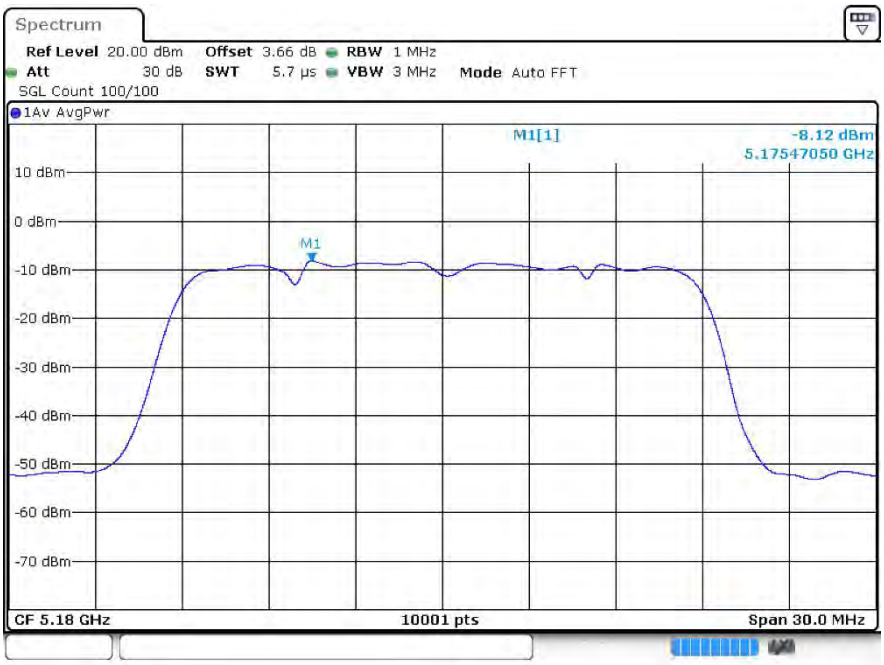
PSDa 5180MHz Ant2

PSD a 5200MHz Ant2

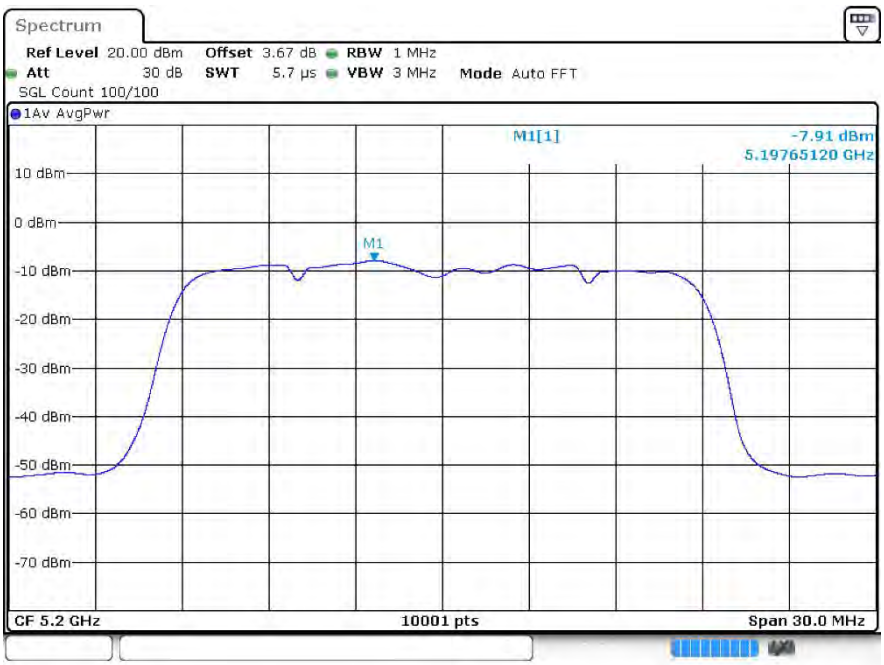
PSDa 5240MHz Ant2



PSD n20 5180MHz Ant1

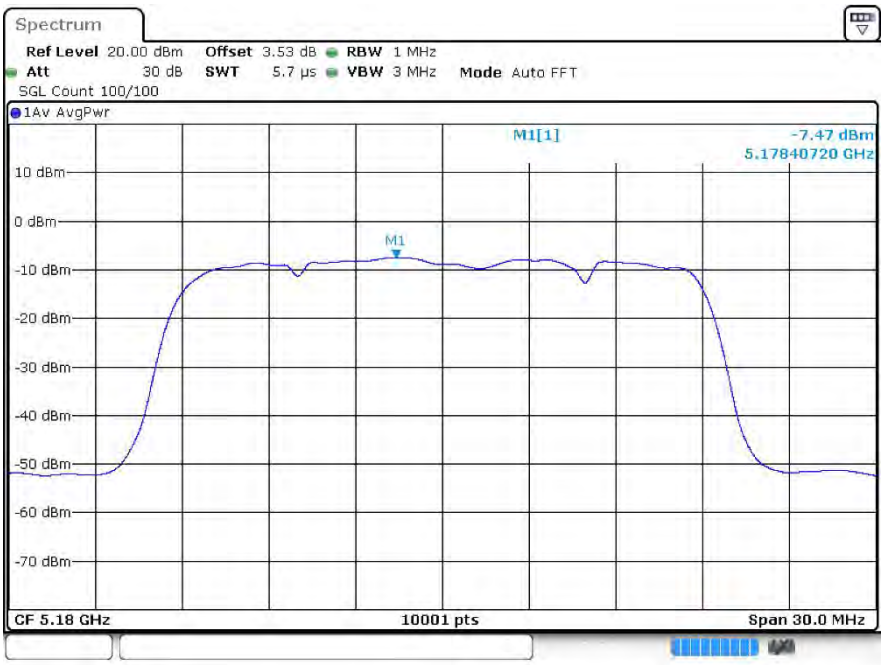


PSD n20 5200MHz Ant1



PSD n20 5240MHz Ant1

PSD n20 5180MHz Ant2



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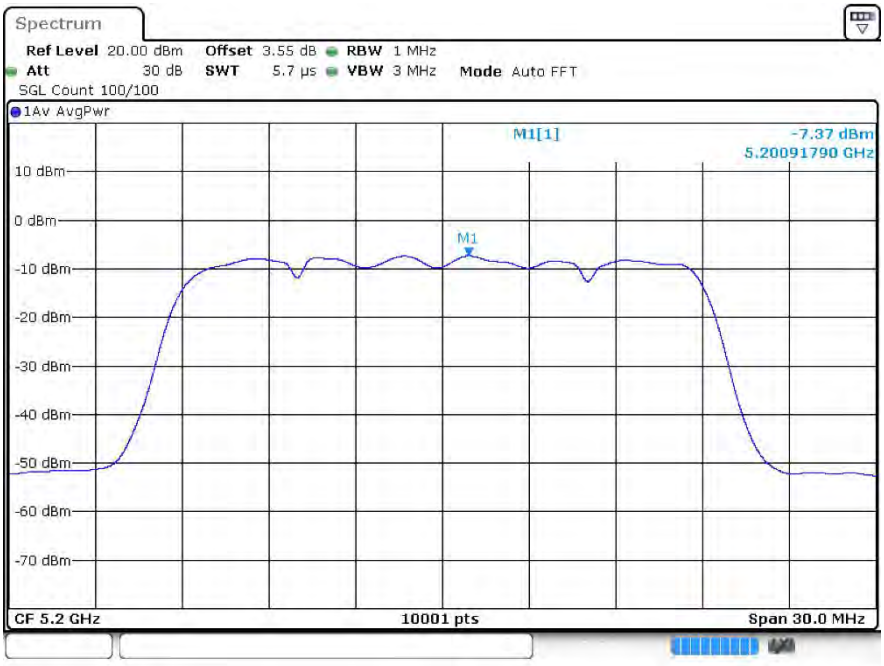
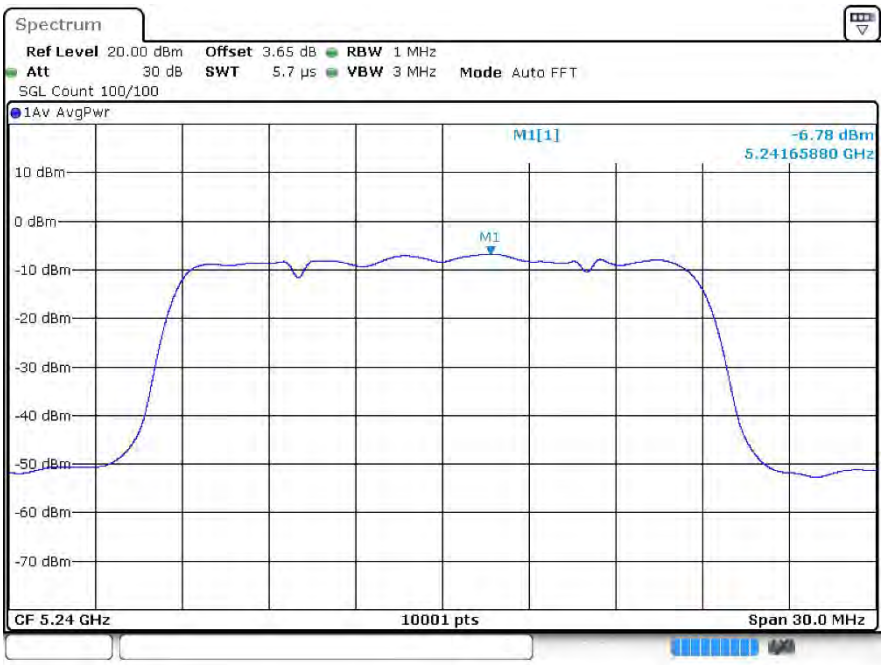
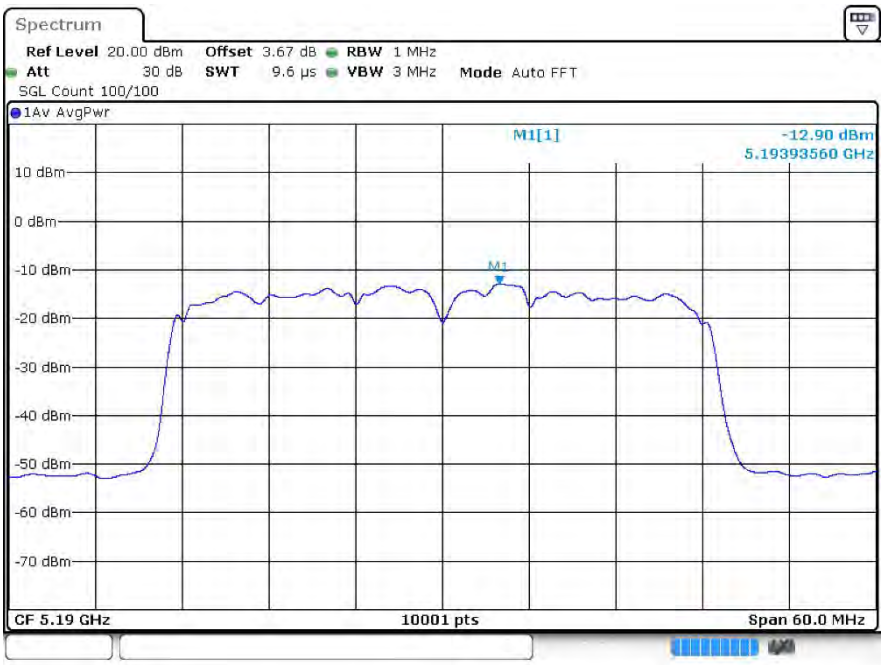


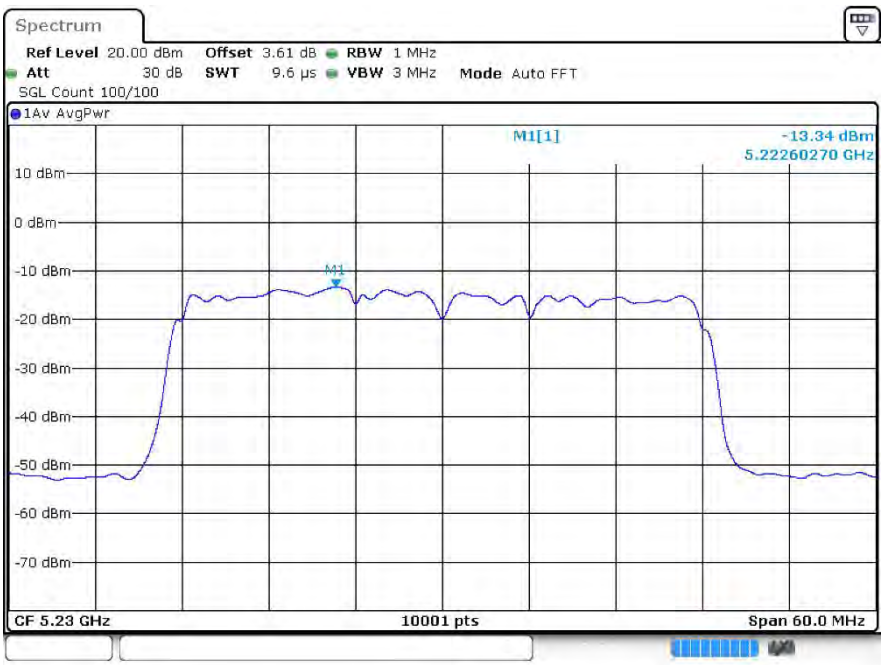
PSD n20 5240MHz Ant2



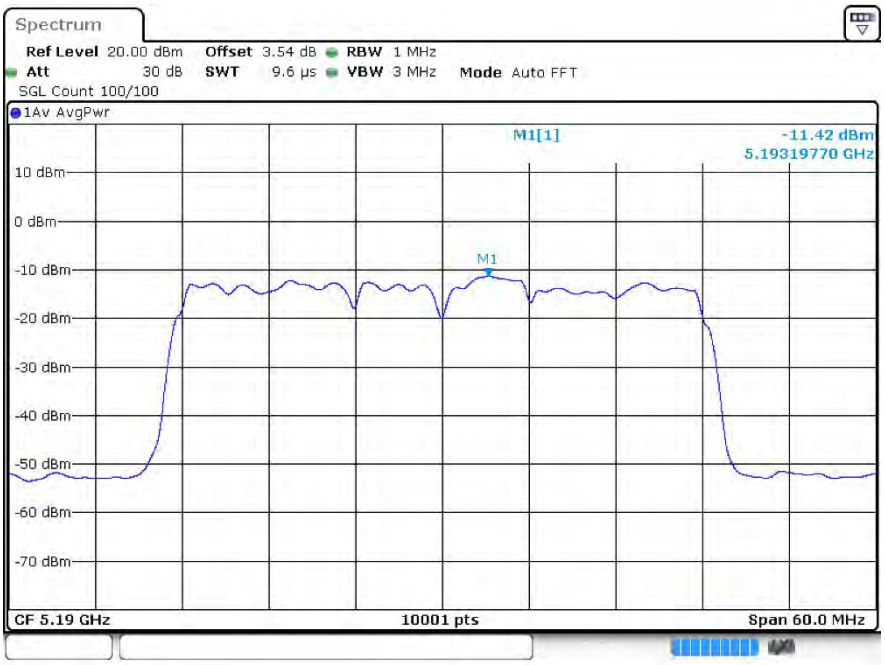
PSDn40 5190MHz Ant1



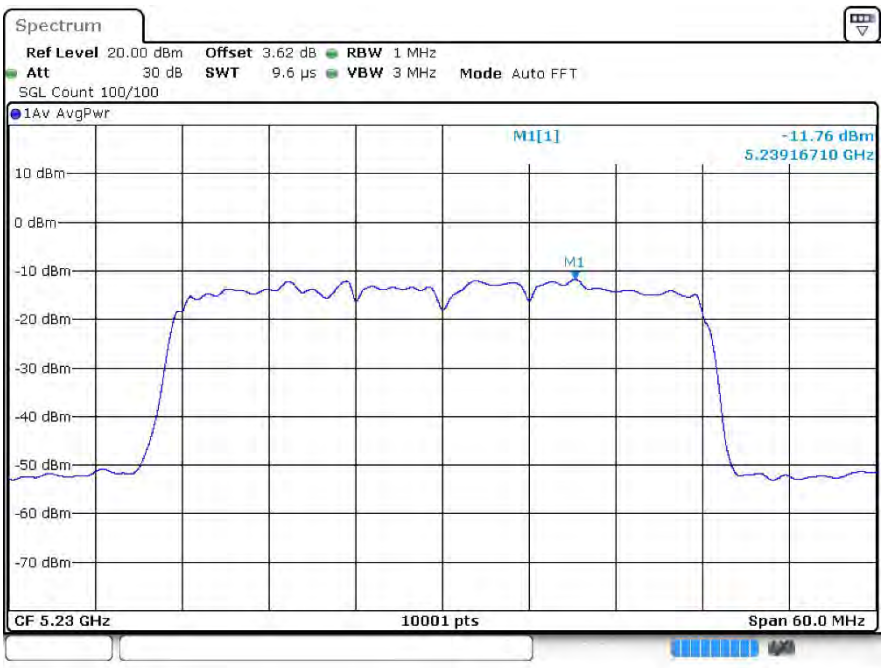
PSDn40 5230MHz Ant1



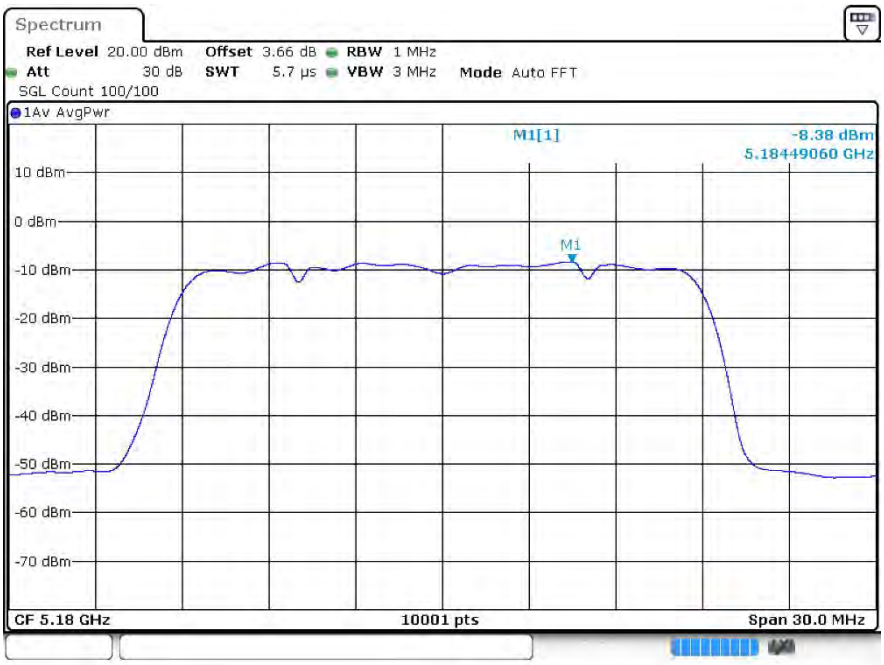
PSDn40 5190MHz Ant2



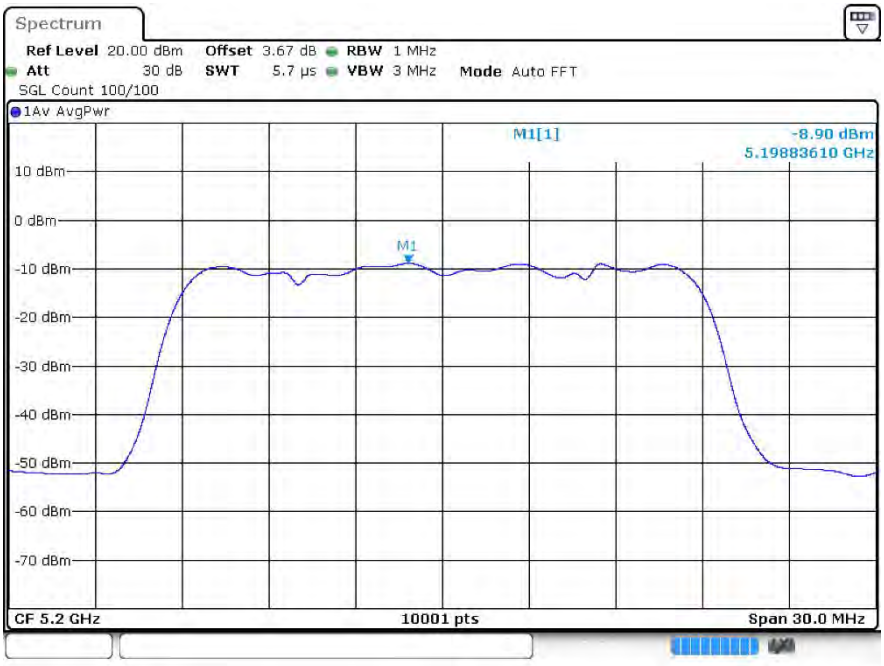
PSDn40 5230MHz Ant2



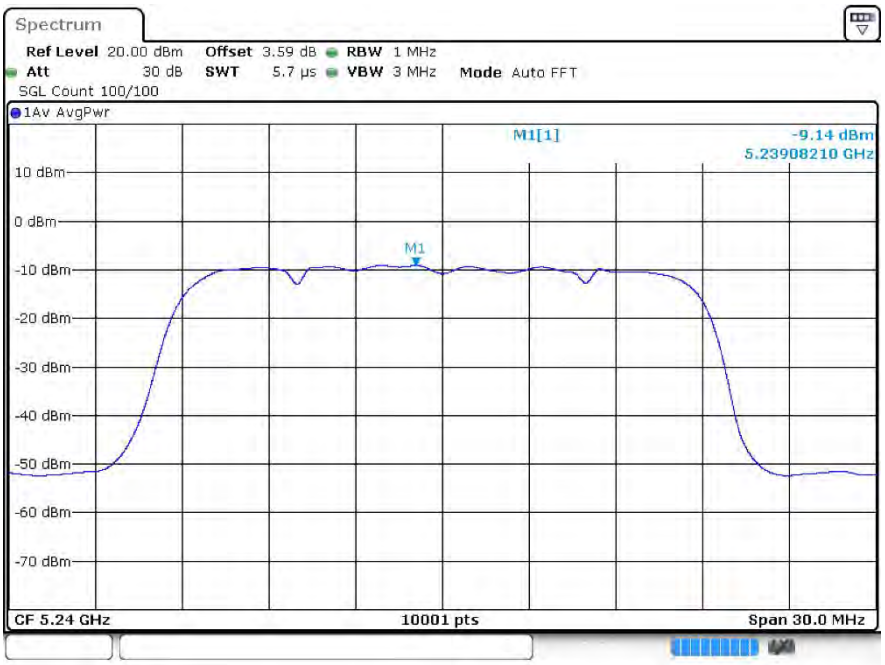
PSD ac20 5180MHz Ant1



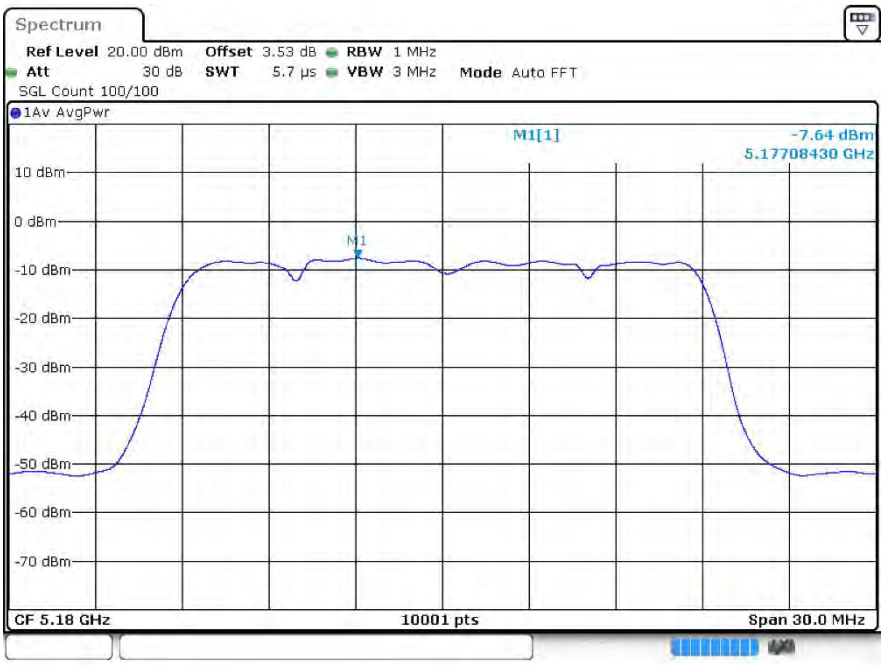
PSD ac20 5200MHz Ant1



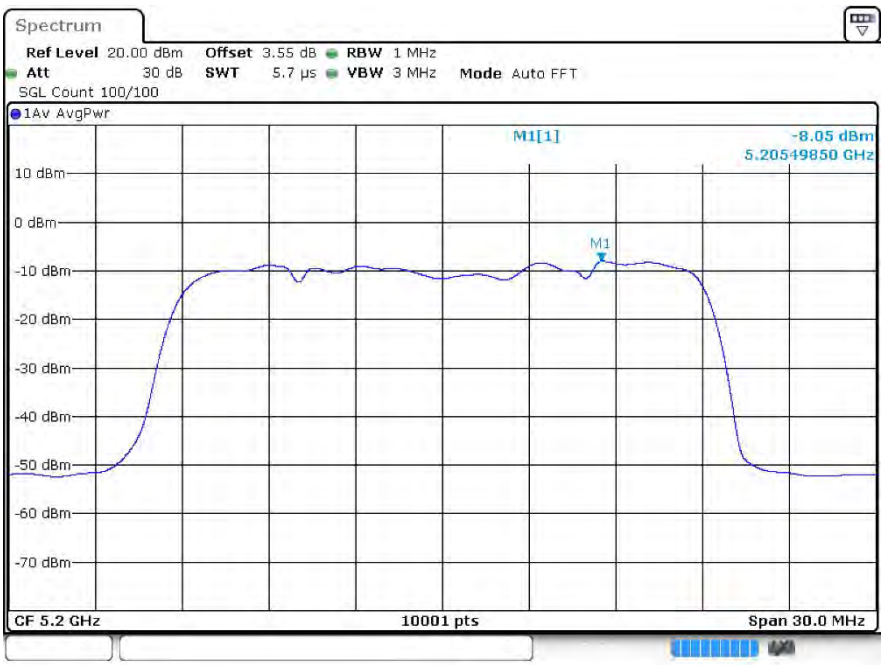
PSD ac20 5240MHz Ant1



PSD ac20 5180MHz Ant2

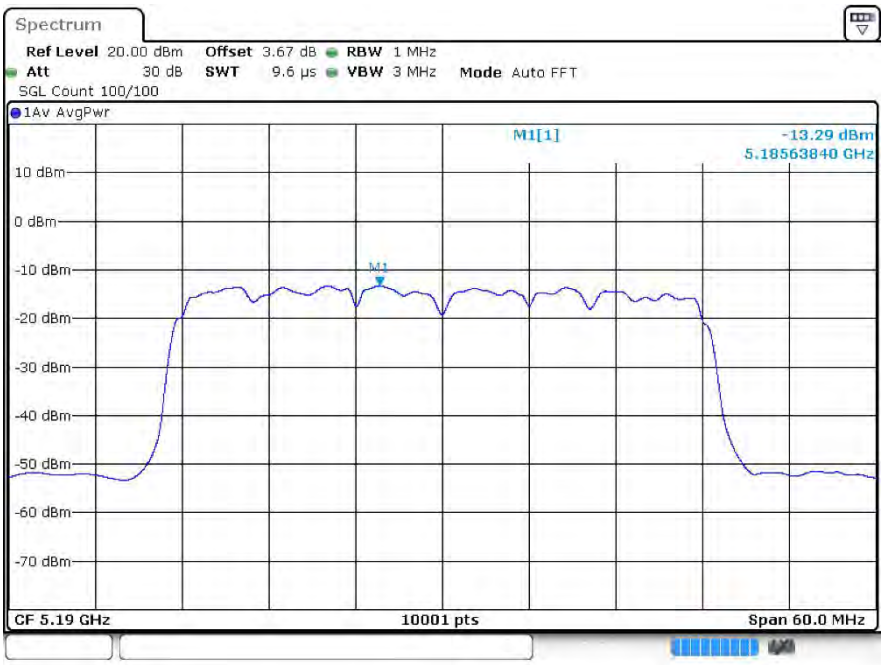


PSD ac20 5200MHz Ant2

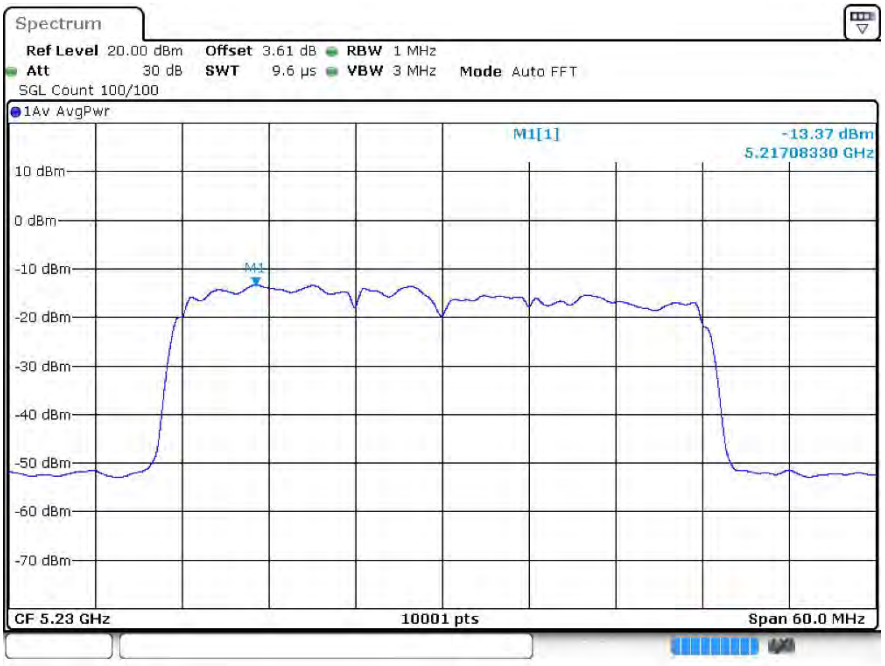


PSD ac20 5240MHz Ant2

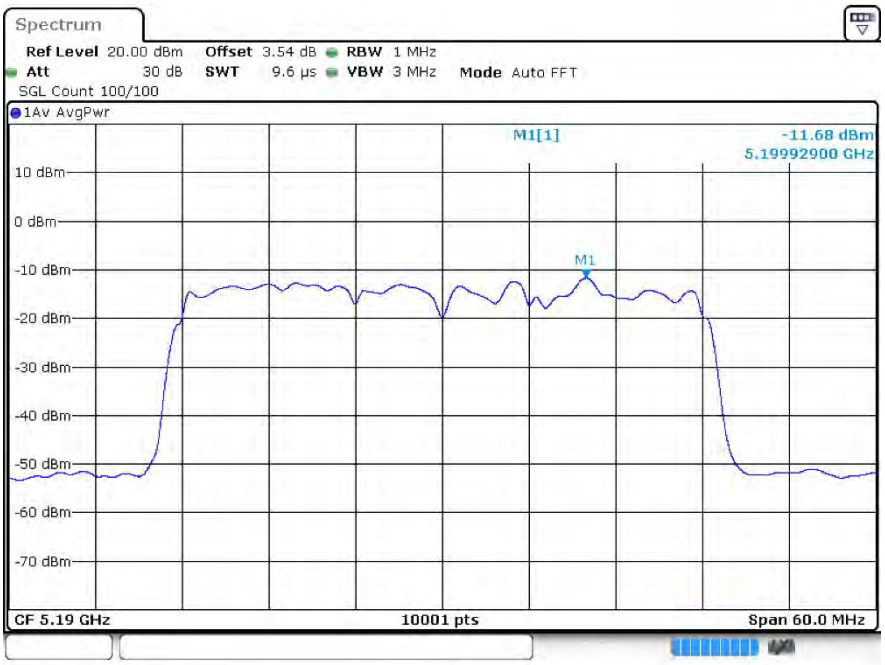
PSDac40 5190MHz Ant1



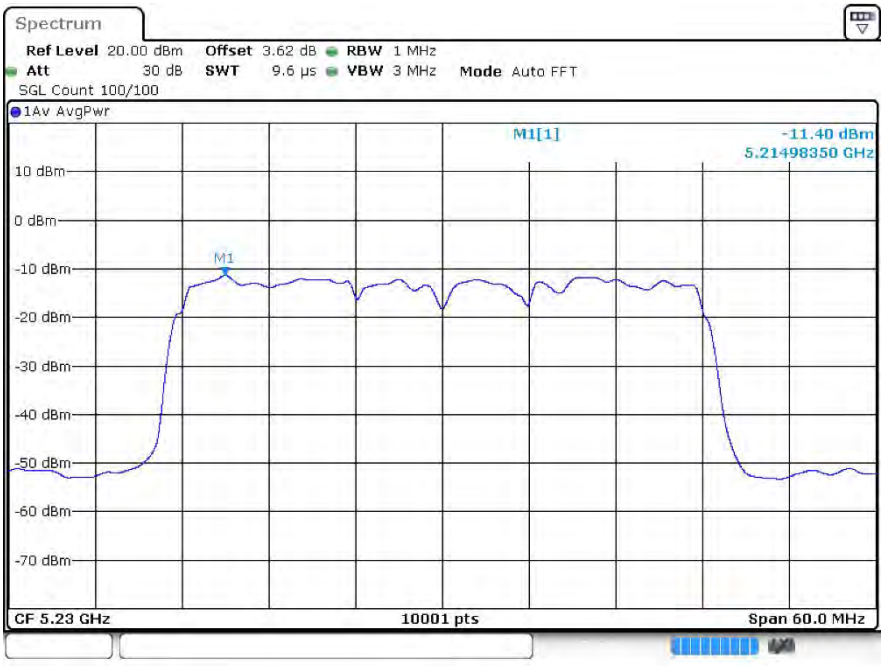
PSDac40 5230MHz Ant1



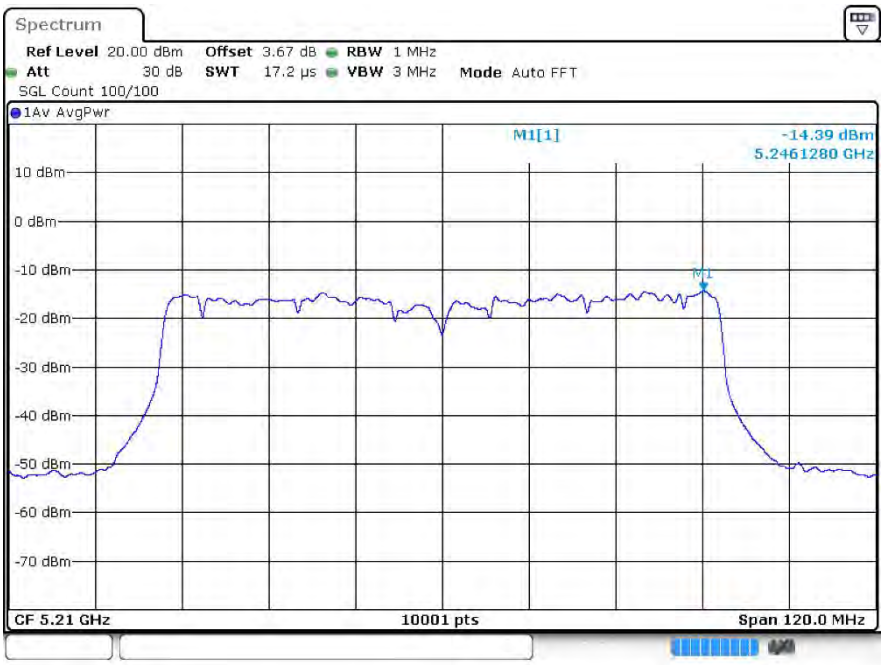
PSDac40 5190MHz Ant2



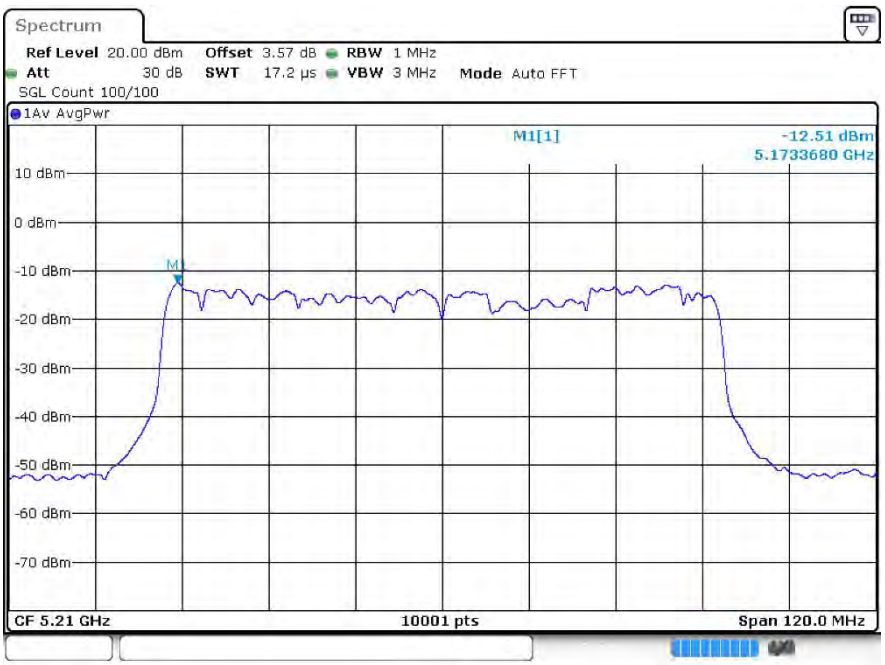
PSDac40 5230MHz Ant2



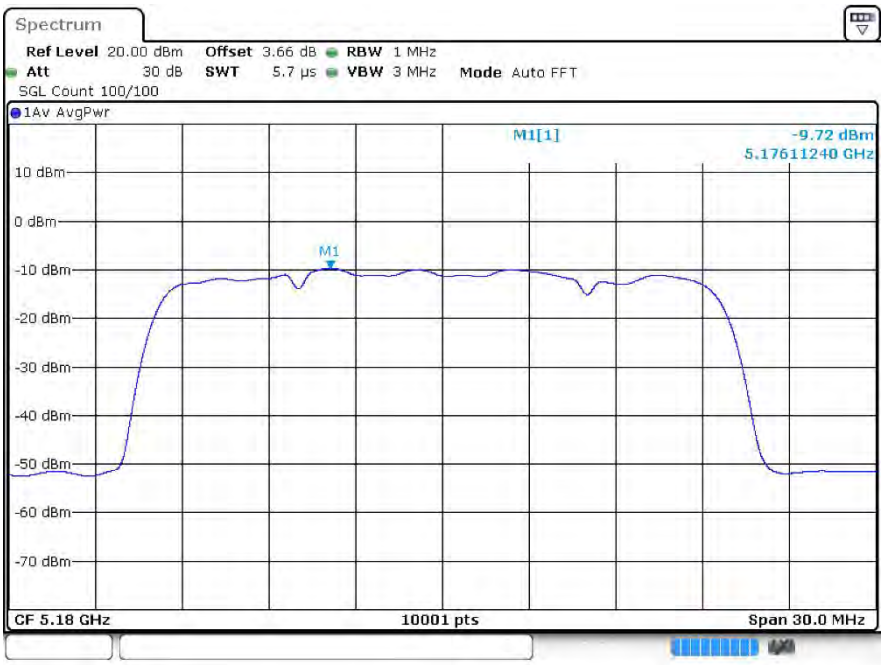
PSDac80 5210MHz Ant1



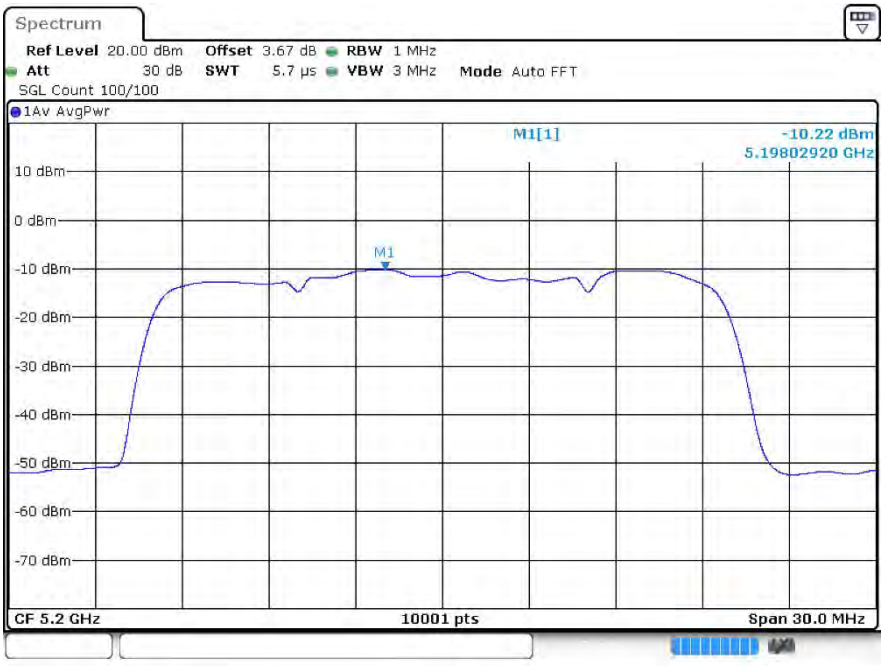
PSDac80 5210MHz Ant2



PSD ax20 5180MHz Ant1

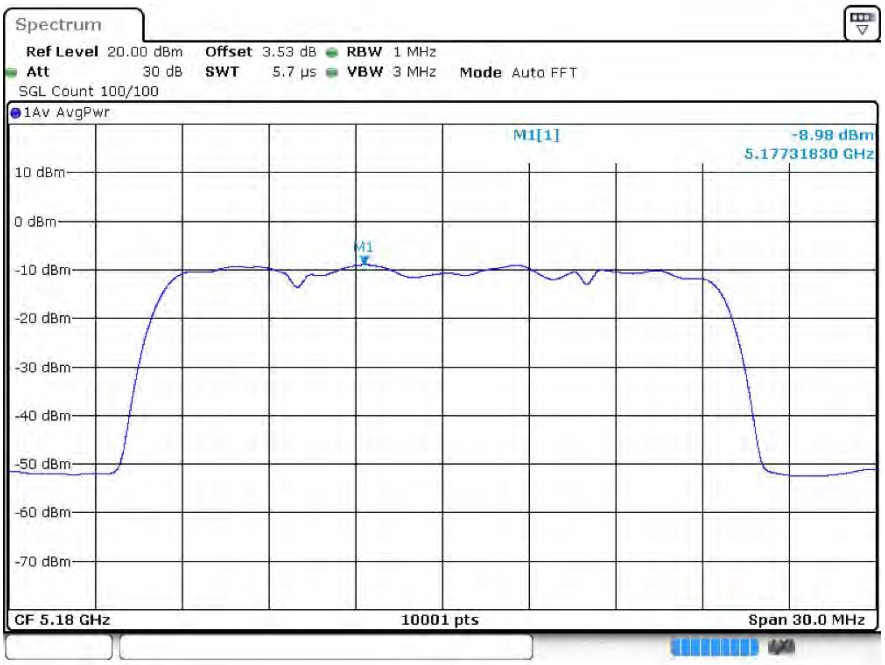


PSD ax20 5200MHz Ant1

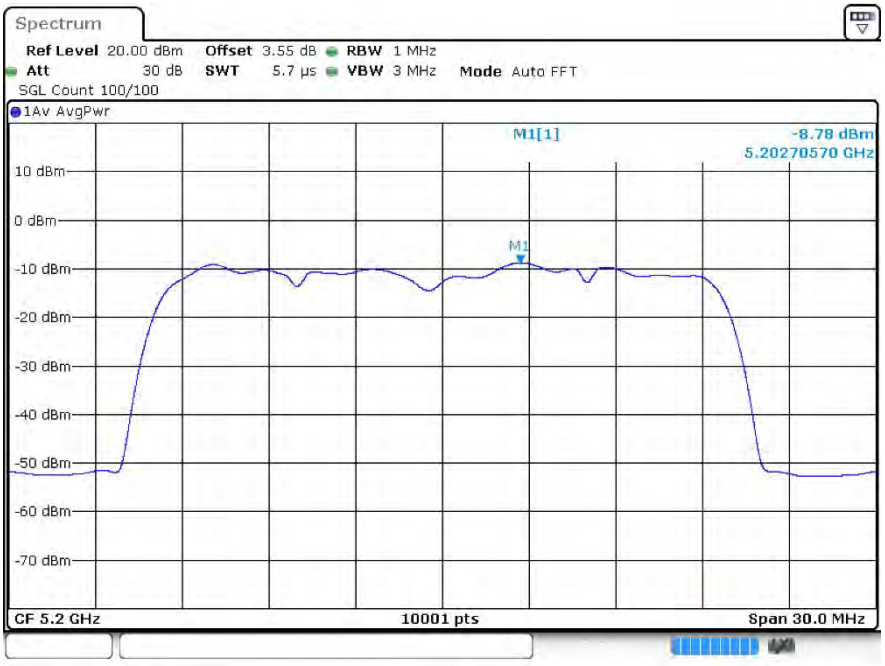


PSD ax20 5240MHz Ant1

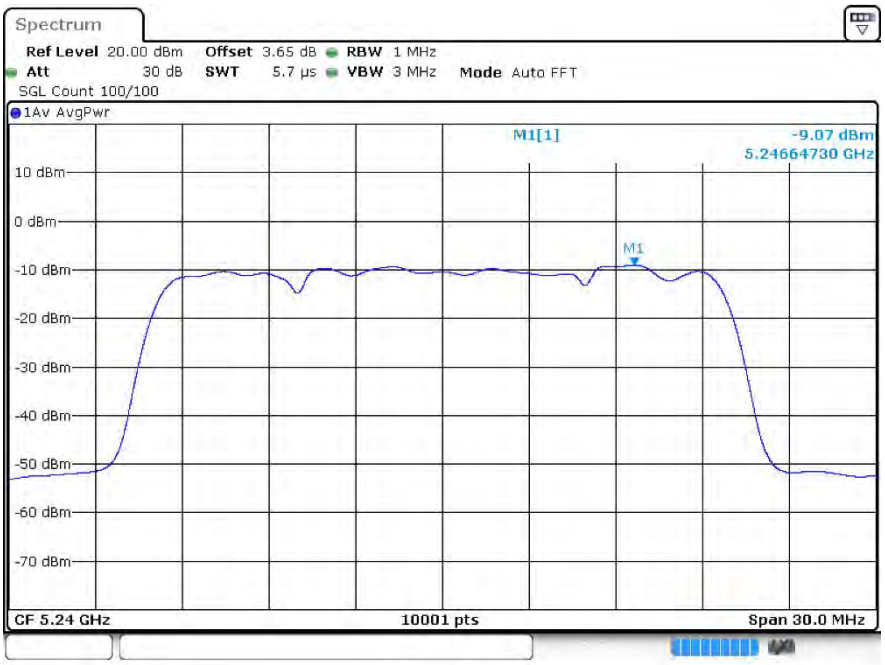
PSD ax20 5180MHz Ant2



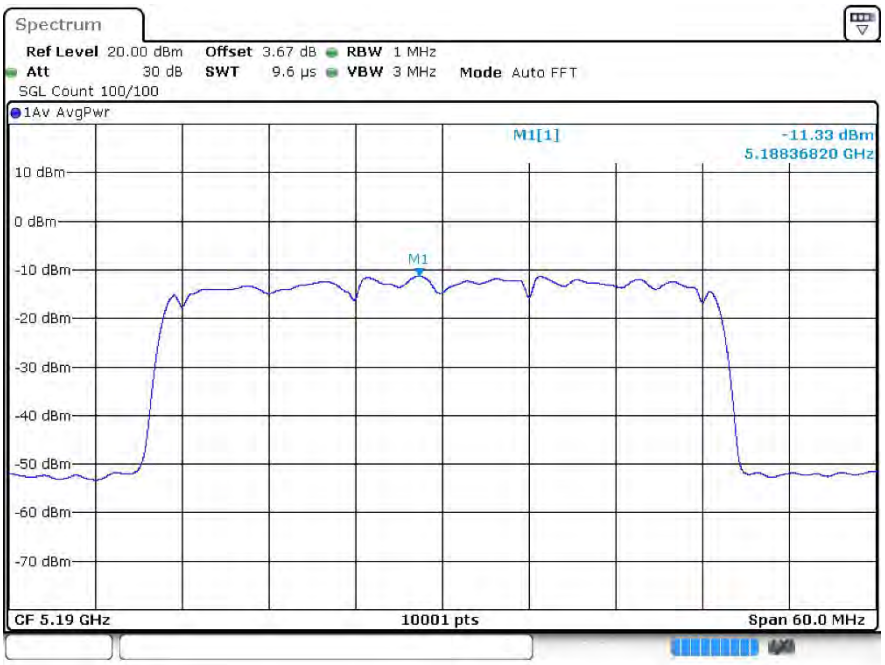
PSD ax20 5200MHz Ant2



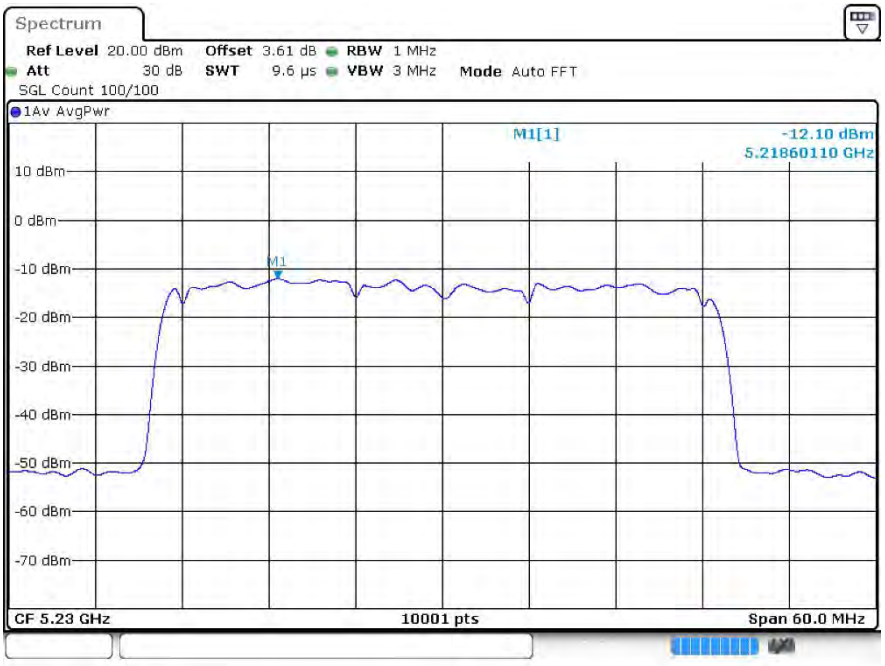
PSD ax20 5240MHz Ant2



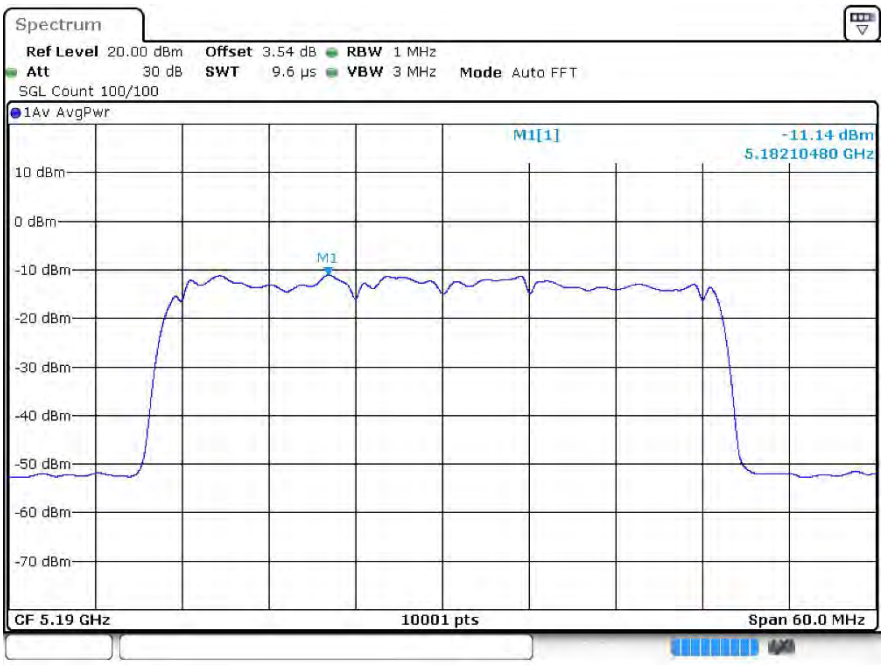
PSDax40 5190MHz Ant1



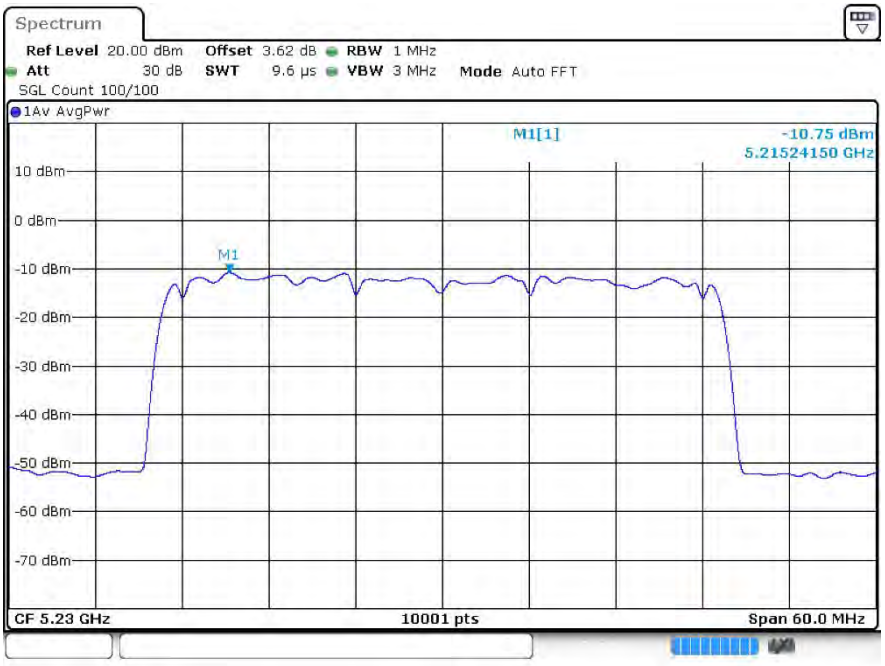
PSDax40 5230MHz Ant1



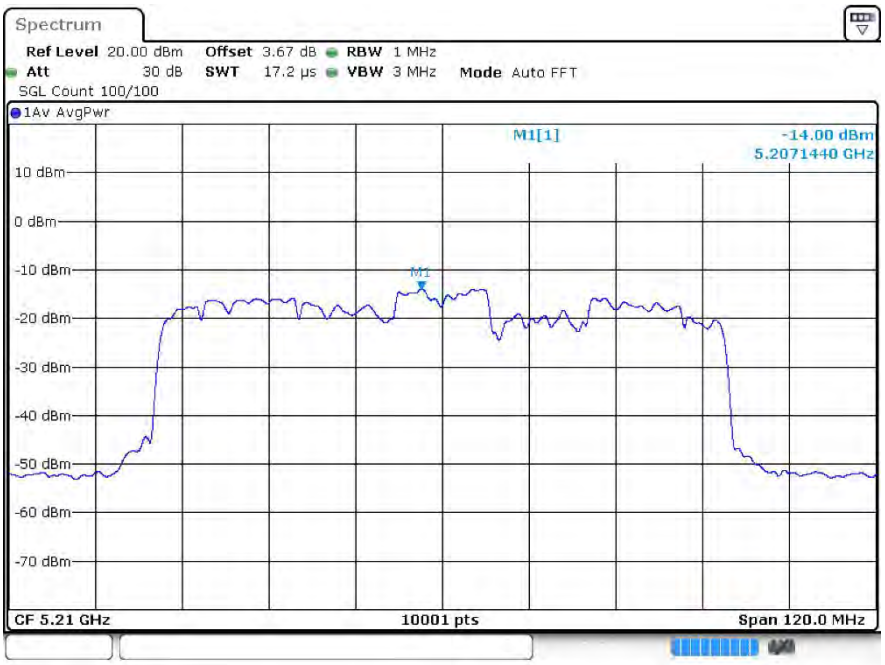
PSDax40 5190MHz Ant2



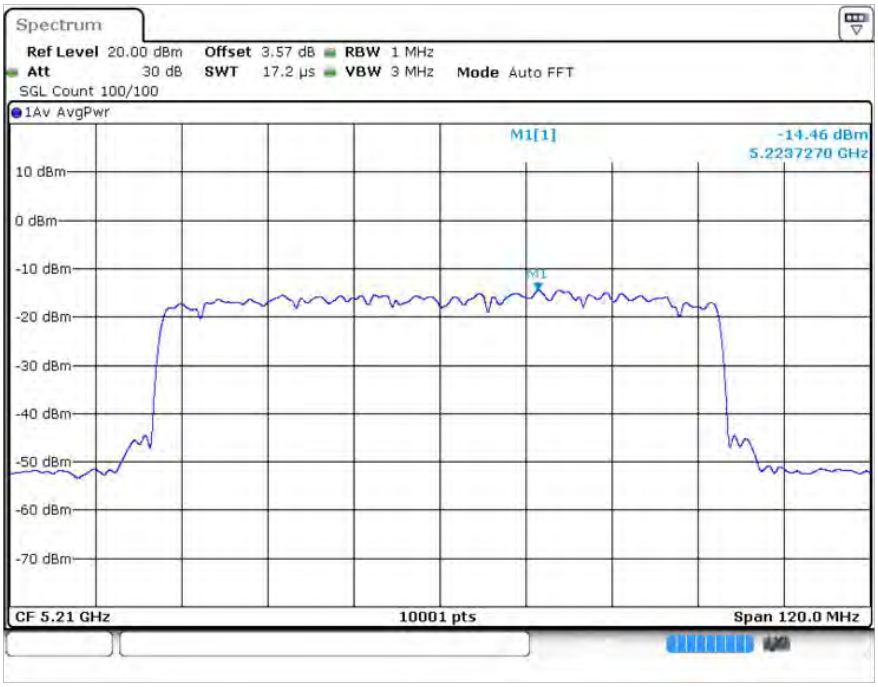
PSDax40 5230MHz Ant2



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	5179.96	-40000	-7.72	25	Pass
20C 120V	a	5180	Ant1	5179.98	-20000	-3.86	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	5179.98	-20000	-3.86	25	Pass
0C 120V	a	5180	Ant1	5179.96	-40000	-7.72	25	Pass
10C 120V	a	5180	Ant1	5179.96	-40000	-7.72	25	Pass
30C 120V	a	5180	Ant1	5179.96	-40000	-7.72	25	Pass
40C 120V	a	5180	Ant1	5179.96	-40000	-7.72	25	Pass
50C 120V	a	5180	Ant1	5179.94	-60000	-11.58	25	Pass
20C 102V	a	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 120V	a	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 138V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
-20C 120V	a	5200	Ant1	5199.94	-60000	-11.54	25	Pass
-10C 120V	a	5200	Ant1	5199.92	-80000	-15.38	25	Pass
0C 120V	a	5200	Ant1	5199.96	-40000	-7.69	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	5199.96	-40000	-7.69	25	Pass
20C 102V	a	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 102V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 120V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 138V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-20C 120V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-10C 120V	a	5240	Ant1	5239.92	-80000	-15.27	25	Pass
0C 120V	a	5240	Ant1	5239.94	-60000	-11.45	25	Pass
10C 120V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
30C 120V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
40C 120V	a	5240	Ant1	5239.94	-60000	-11.45	25	Pass
50C 120V	a	5240	Ant1	5239.94	-60000	-11.45	25	Pass
20C 102V	n20	5180	Ant1	5180	0	0	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	5179.96	-40000	-7.72	25	Pass
50C 120V	n20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 102V	n20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 120V	n20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 138V	n20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
-20C 120V	n20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
-10C 120V	n20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
0C 120V	n20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
10C 120V	n20	5200	Ant1	5199.98	-20000	-3.85	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	5199.94	-60000	-11.54	25	Pass
20C 102V	n20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 120V	n20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
20C 138V	n20	5240	Ant1	5240	0	0	25	Pass
-20C 120V	n20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
-10C 120V	n20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
0C 120V	n20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
10C 120V	n20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
30C 120V	n20	5240	Ant1	5239.96	-40000	-7.63	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	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 138V	n40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
-20C 120V	n40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
-10C 120V	n40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
0C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
10C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
30C 120V	n40	5190	Ant1	5189.88	-120000	-23.12	25	Pass
40C 120V	n40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
50C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	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	5229.96	-40000	-7.65	25	Pass
-10C 120V	n40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
0C 120V	n40	5230	Ant1	5230	0	0	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	5229.96	-40000	-7.65	25	Pass

50C 120V	n40	5230	Ant1	5230	0	0	25	Pass
20C 102V	ac20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 120V	ac20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
20C 138V	ac20	5180	Ant1	5179.94	-60000	-11.58	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	5179.96	-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	5179.96	-40000	-7.72	25	Pass
20C 102V	ac20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
20C 120V	ac20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 138V	ac20	5200	Ant1	5199.96	-40000	-7.69	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	5199.96	-40000	-7.69	25	Pass
10C 120V	ac20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
30C 120V	ac20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
40C 120V	ac20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
50C 120V	ac20	5200	Ant1	5199.92	-80000	-15.38	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	5239.92	-80000	-15.27	25	Pass
-10C 120V	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
0C 120V	ac20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
10C 120V	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
30C 120V	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
40C 120V	ac20	5240	Ant1	5239.92	-80000	-15.27	25	Pass
50C 120V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 102V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 120V	ac40	5190	Ant1	5190	0	0	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	5189.96	-40000	-7.71	25	Pass
0C 120V	ac40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
10C 120V	ac40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
30C 120V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
40C 120V	ac40	5190	Ant1	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	5229.96	-40000	-7.65	25	Pass
-20C 120V	ac40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
-10C 120V	ac40	5230	Ant1	5229.92	-80000	-15.3	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	5229.92	-80000	-15.3	25	Pass
40C 120V	ac40	5230	Ant1	5230	0	0	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	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	5209.92	-80000	-15.36	25	Pass
50C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
20C 102V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 120V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 138V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
-20C 120V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
-10C 120V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
0C 120V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
10C 120V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
30C 120V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
40C 120V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
50C 120V	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 102V	ax20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 120V	ax20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 138V	ax20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
-20C 120V	ax20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
-10C 120V	ax20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
0C 120V	ax20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
10C 120V	ax20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
30C 120V	ax20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
40C 120V	ax20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
50C 120V	ax20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 102V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 120V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 138V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-20C 120V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-10C 120V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass

0C 120V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
10C 120V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
30C 120V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
40C 120V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
50C 120V	ax20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 102V	ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 120V	ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 138V	ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
-20C 120V	ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
-10C 120V	ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
0C 120V	ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
10C 120V	ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
30C 120V	ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
40C 120V	ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
50C 120V	ax40	5190	Ant1	5189.96	-40000	-7.71	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	5229.96	-40000	-7.65	25	Pass
-10C 120V	ax40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
0C 120V	ax40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
10C 120V	ax40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
30C 120V	ax40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
40C 120V	ax40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
50C 120V	ax40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 102V	ax80	5210	Ant1	5210	0	0	25	Pass
20C 120V	ax80	5210	Ant1	5210	0	0	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	5210	0	0	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	5179.98	-20000	-3.86	25	Pass
20C 120V	a	5180	Ant2	5179.94	-60000	-11.58	25	Pass
20C 138V	a	5180	Ant2	5179.96	-40000	-7.72	25	Pass
-20C 120V	a	5180	Ant2	5180	0	0	25	Pass
-10C 120V	a	5180	Ant2	5179.94	-60000	-11.58	25	Pass
0C 120V	a	5180	Ant2	5179.96	-40000	-7.72	25	Pass
10C 120V	a	5180	Ant2	5179.98	-20000	-3.86	25	Pass
30C 120V	a	5180	Ant2	5179.94	-60000	-11.58	25	Pass

40C 120V	a	5180	Ant2	5179.96	-40000	-7.72	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	5199.94	-60000	-11.54	25	Pass
20C 138V	a	5200	Ant2	5199.96	-40000	-7.69	25	Pass
-20C 120V	a	5200	Ant2	5199.94	-60000	-11.54	25	Pass
-10C 120V	a	5200	Ant2	5199.98	-20000	-3.85	25	Pass
0C 120V	a	5200	Ant2	5199.96	-40000	-7.69	25	Pass
10C 120V	a	5200	Ant2	5199.98	-20000	-3.85	25	Pass
30C 120V	a	5200	Ant2	5199.94	-60000	-11.54	25	Pass
40C 120V	a	5200	Ant2	5199.96	-40000	-7.69	25	Pass
20C 102V	a	5200	Ant2	5199.96	-40000	-7.69	25	Pass
20C 102V	a	5240	Ant2	5239.94	-60000	-11.45	25	Pass
20C 120V	a	5240	Ant2	5239.94	-60000	-11.45	25	Pass
20C 138V	a	5240	Ant2	5239.98	-20000	-3.82	25	Pass
-20C 120V	a	5240	Ant2	5239.98	-20000	-3.82	25	Pass
-10C 120V	a	5240	Ant2	5239.96	-40000	-7.63	25	Pass
0C 120V	a	5240	Ant2	5239.96	-40000	-7.63	25	Pass
10C 120V	a	5240	Ant2	5239.96	-40000	-7.63	25	Pass
30C 120V	a	5240	Ant2	5239.96	-40000	-7.63	25	Pass
40C 120V	a	5240	Ant2	5239.98	-20000	-3.82	25	Pass
50C 120V	a	5240	Ant2	5239.96	-40000	-7.63	25	Pass
20C 102V	n20	5180	Ant2	5179.94	-60000	-11.58	25	Pass
20C 120V	n20	5180	Ant2	5179.94	-60000	-11.58	25	Pass
20C 138V	n20	5180	Ant2	5179.92	-80000	-15.44	25	Pass
-20C 120V	n20	5180	Ant2	5179.94	-60000	-11.58	25	Pass
-10C 120V	n20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
0C 120V	n20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
10C 120V	n20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
30C 120V	n20	5180	Ant2	5179.94	-60000	-11.58	25	Pass
40C 120V	n20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
50C 120V	n20	5180	Ant2	5179.94	-60000	-11.58	25	Pass
20C 102V	n20	5200	Ant2	5199.94	-60000	-11.54	25	Pass
20C 120V	n20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
20C 138V	n20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
-20C 120V	n20	5200	Ant2	5199.94	-60000	-11.54	25	Pass
-10C 120V	n20	5200	Ant2	5199.94	-60000	-11.54	25	Pass
0C 120V	n20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
10C 120V	n20	5200	Ant2	5199.94	-60000	-11.54	25	Pass
30C 120V	n20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
40C 120V	n20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
50C 120V	n20	5200	Ant2	5199.94	-60000	-11.54	25	Pass
20C 102V	n20	5240	Ant2	5239.96	-40000	-7.63	25	Pass

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

30C 120V	ac80	5210	Ant2	5210	0	0	25	Pass
40C 120V	ac80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
50C 120V	ac80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
20C 102V	ax20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
20C 120V	ax20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
20C 138V	ax20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
-20C 120V	ax20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
-10C 120V	ax20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
0C 120V	ax20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
10C 120V	ax20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
30C 120V	ax20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
40C 120V	ax20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
50C 120V	ax20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
20C 102V	ax20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
20C 120V	ax20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
20C 138V	ax20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
-20C 120V	ax20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
-10C 120V	ax20	5200	Ant2	5199.96	-40000	-7.69	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	5199.96	-40000	-7.69	25	Pass
50C 120V	ax20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
20C 102V	ax20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
20C 120V	ax20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
20C 138V	ax20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
-20C 120V	ax20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
-10C 120V	ax20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
0C 120V	ax20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
10C 120V	ax20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
30C 120V	ax20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
40C 120V	ax20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
50C 120V	ax20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
20C 102V	ax40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
20C 120V	ax40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
20C 138V	ax40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
-20C 120V	ax40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
-10C 120V	ax40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
0C 120V	ax40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
10C 120V	ax40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
30C 120V	ax40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
40C 120V	ax40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
50C 120V	ax40	5190	Ant2	5189.96	-40000	-7.71	25	Pass

20C 102V	ax40	5230	Ant2	5229.92	-80000	-15.3	25	Pass
20C 120V	ax40	5230	Ant2	5229.92	-80000	-15.3	25	Pass
20C 138V	ax40	5230	Ant2	5229.92	-80000	-15.3	25	Pass
-20C 120V	ax40	5230	Ant2	5229.92	-80000	-15.3	25	Pass
-10C 120V	ax40	5230	Ant2	5229.92	-80000	-15.3	25	Pass
0C 120V	ax40	5230	Ant2	5229.92	-80000	-15.3	25	Pass
10C 120V	ax40	5230	Ant2	5229.92	-80000	-15.3	25	Pass
30C 120V	ax40	5230	Ant2	5229.92	-80000	-15.3	25	Pass
40C 120V	ax40	5230	Ant2	5229.92	-80000	-15.3	25	Pass
50C 120V	ax40	5230	Ant2	5229.92	-80000	-15.3	25	Pass
20C 102V	ax80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
20C 120V	ax80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
20C 138V	ax80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
-20C 120V	ax80	5210	Ant2	5210	0	0	25	Pass
-10C 120V	ax80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
0C 120V	ax80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
10C 120V	ax80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
30C 120V	ax80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
40C 120V	ax80	5210	Ant2	5209.92	-80000	-15.36	25	Pass
50C 120V	ax80	5210	Ant2	5209.92	-80000	-15.36	25	Pass

7 Conducted RF Spurious Emission

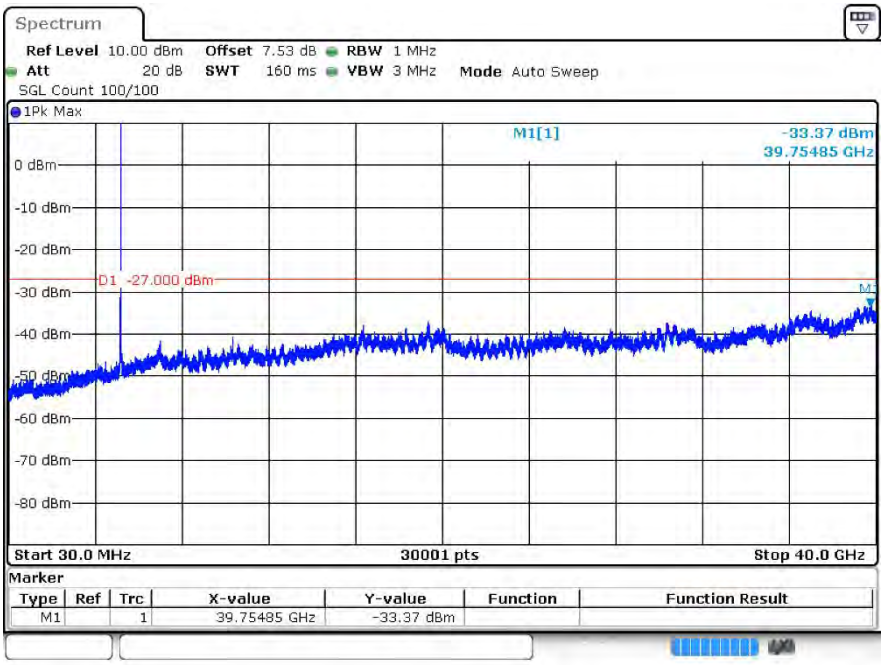
7.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
a	5180	Ant1	-33.37	-27	Pass
a	5200	Ant1	-32.72	-27	Pass
a	5240	Ant1	-32.29	-27	Pass
n20	5180	Ant1	-32.28	-27	Pass
n20	5200	Ant1	-33.03	-27	Pass
n20	5240	Ant1	-33.23	-27	Pass
n40	5190	Ant1	-32.05	-27	Pass
n40	5230	Ant1	-32.44	-27	Pass
ac20	5180	Ant1	-32.74	-27	Pass
ac20	5200	Ant1	-32.82	-27	Pass
ac20	5240	Ant1	-32.38	-27	Pass
ac40	5190	Ant1	-32.24	-27	Pass
ac40	5230	Ant1	-32.75	-27	Pass
ac80	5210	Ant1	-32.37	-27	Pass
ax20	5180	Ant1	-32.17	-27	Pass
ax20	5200	Ant1	-32.85	-27	Pass
ax20	5240	Ant1	-32.58	-27	Pass
ax40	5190	Ant1	-33.08	-27	Pass
ax40	5230	Ant1	-32.92	-27	Pass
ax80	5210	Ant1	-32.2	-27	Pass
a	5180	Ant2	-33.19	-27	Pass
a	5200	Ant2	-33.77	-27	Pass
a	5240	Ant2	-33.17	-27	Pass
n20	5180	Ant2	-33.32	-27	Pass
n20	5200	Ant2	-33.65	-27	Pass
n20	5240	Ant2	-33.12	-27	Pass
n40	5190	Ant2	-33.58	-27	Pass
n40	5230	Ant2	-32.97	-27	Pass
ac20	5180	Ant2	-34.05	-27	Pass
ac20	5200	Ant2	-33.71	-27	Pass
ac20	5240	Ant2	-33.62	-27	Pass
ac40	5190	Ant2	-33.76	-27	Pass
ac40	5230	Ant2	-33.63	-27	Pass
ac80	5210	Ant2	-33.67	-27	Pass
ax20	5180	Ant2	-33.64	-27	Pass
ax20	5200	Ant2	-33.41	-27	Pass
ax20	5240	Ant2	-33.26	-27	Pass

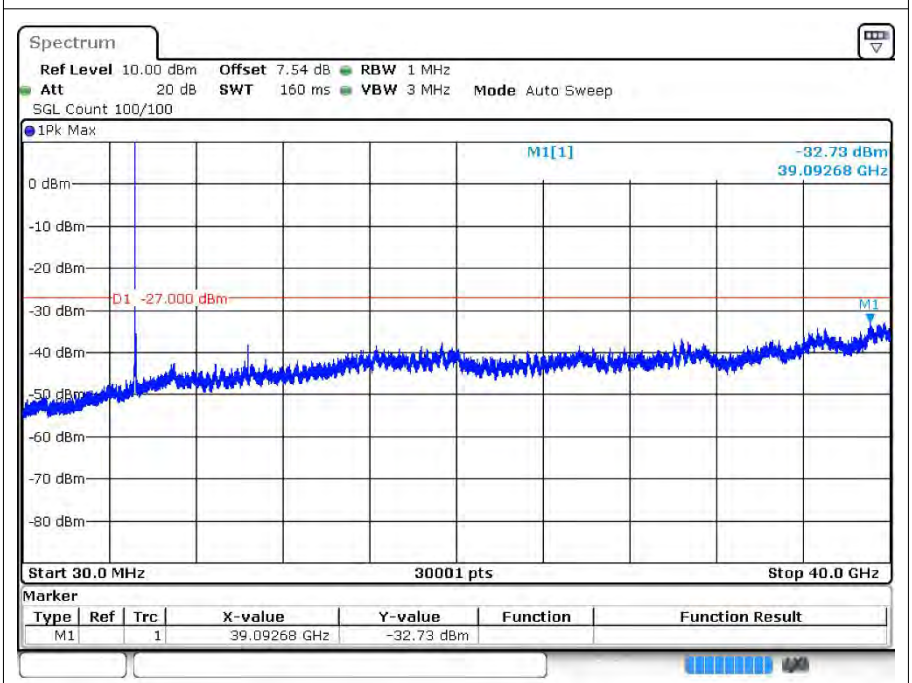
ax40	5190	Ant2	-33.23	-27	Pass
ax40	5230	Ant2	-32.9	-27	Pass
ax80	5210	Ant2	-33.41	-27	Pass

7.2 Test Graphs

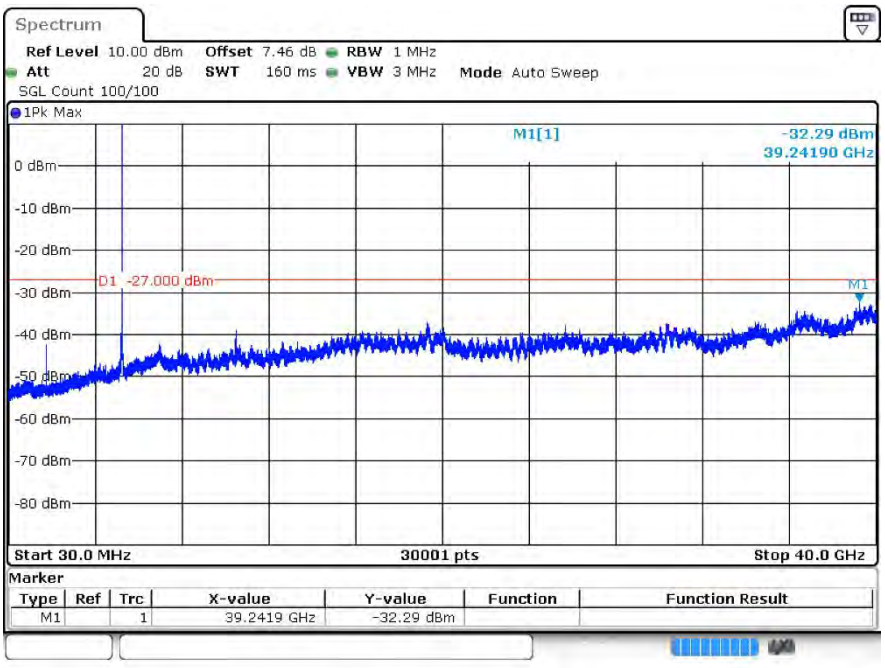
Test Graphs
Tx. Spuriousa 5180MHz Ant1



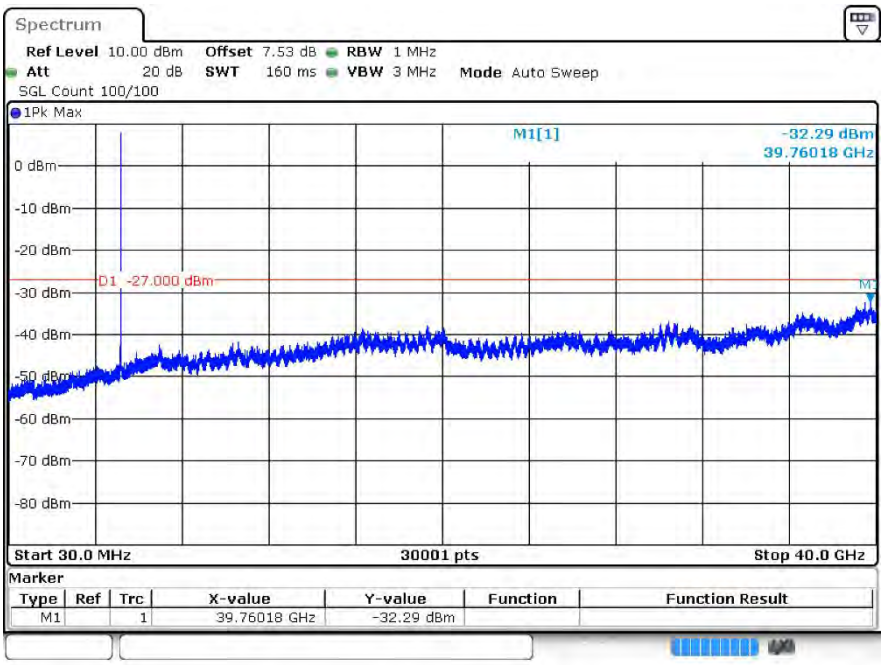
Tx. Spuriousa 5200MHz Ant1



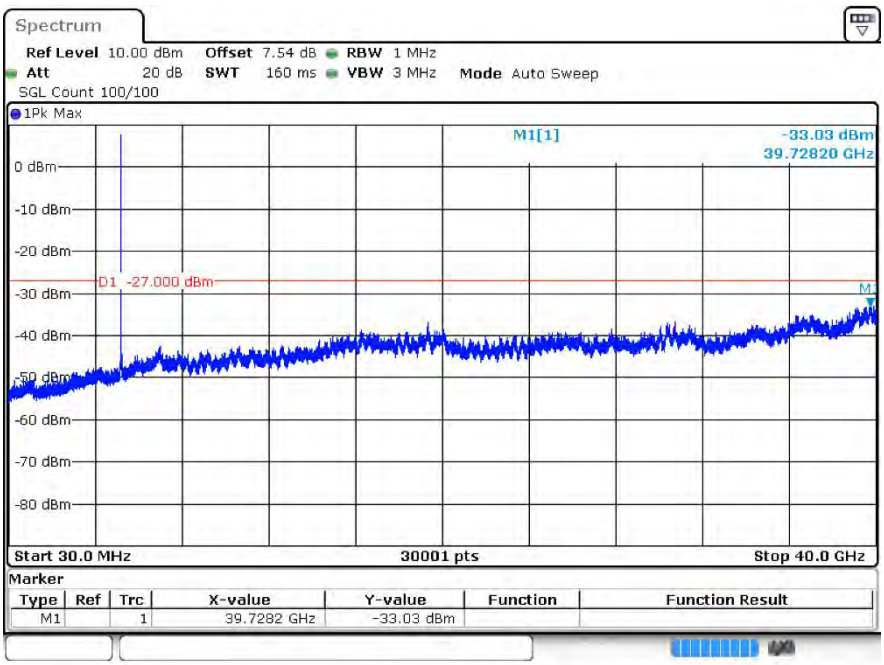
Tx. Spuriousa 5240MHz Ant1



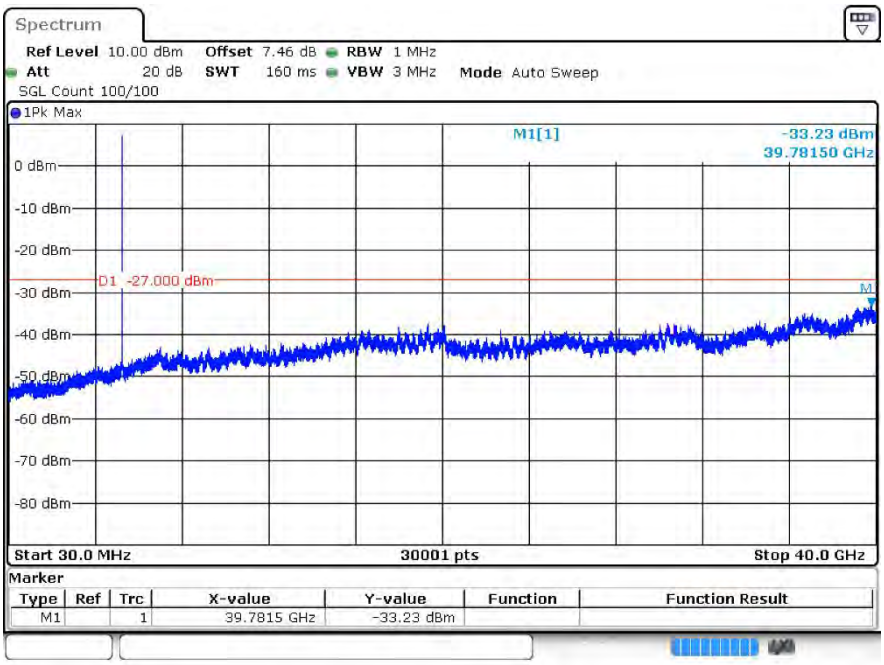
Tx. Spurious n20 5180MHz Ant1



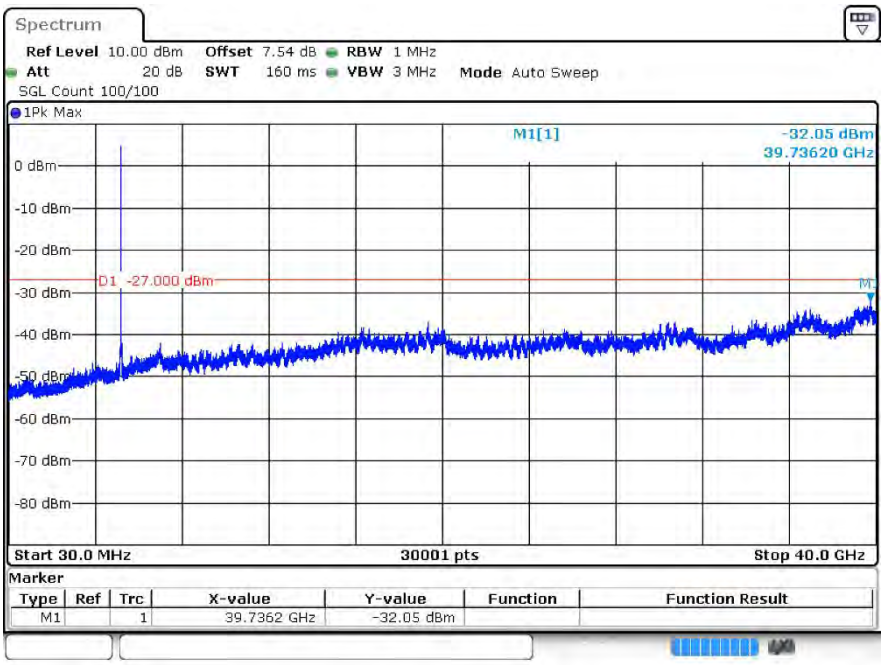
Tx. Spurious n20 5200MHz Ant1



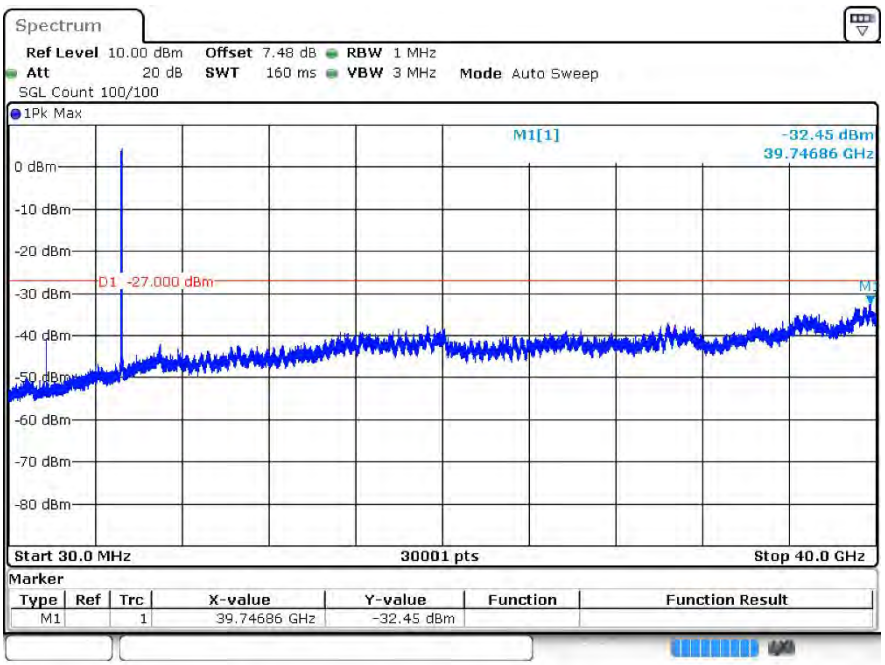
Tx. Spurious n20 5240MHz Ant1



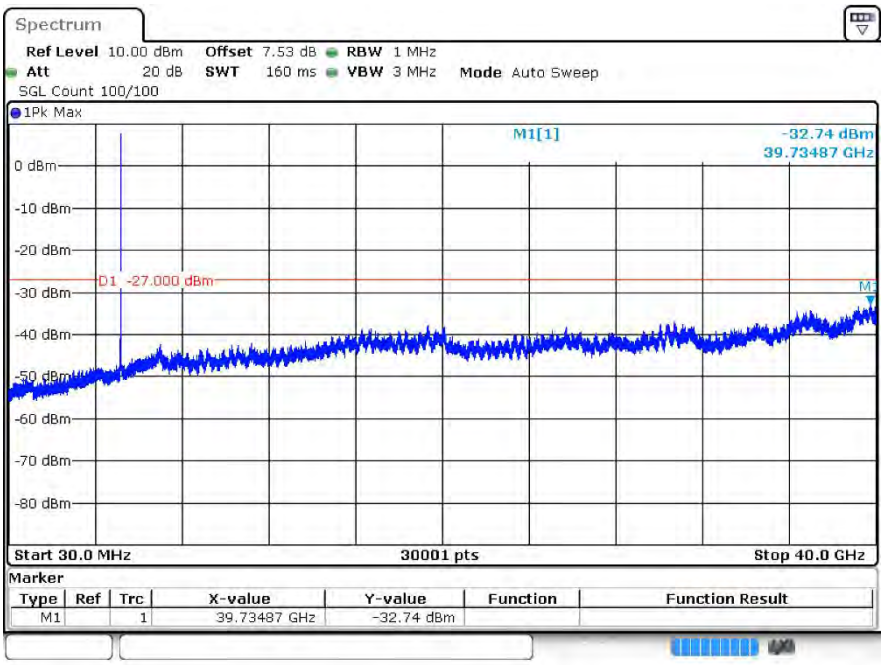
Tx. Spuriousn40 5190MHz Ant1



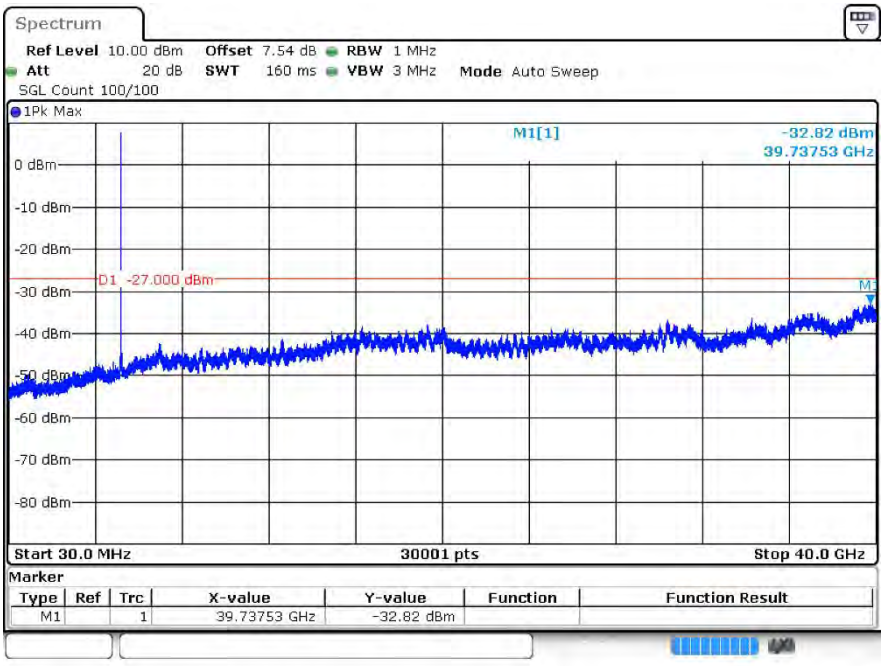
Tx. Spuriousn40 5230MHz Ant1



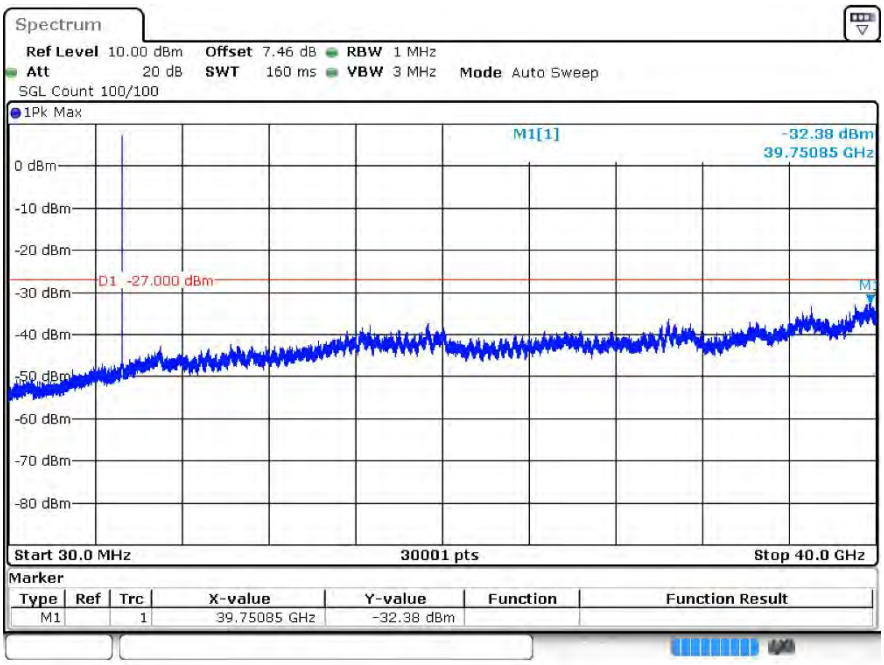
Tx. Spurious ac20 5180MHz Ant1



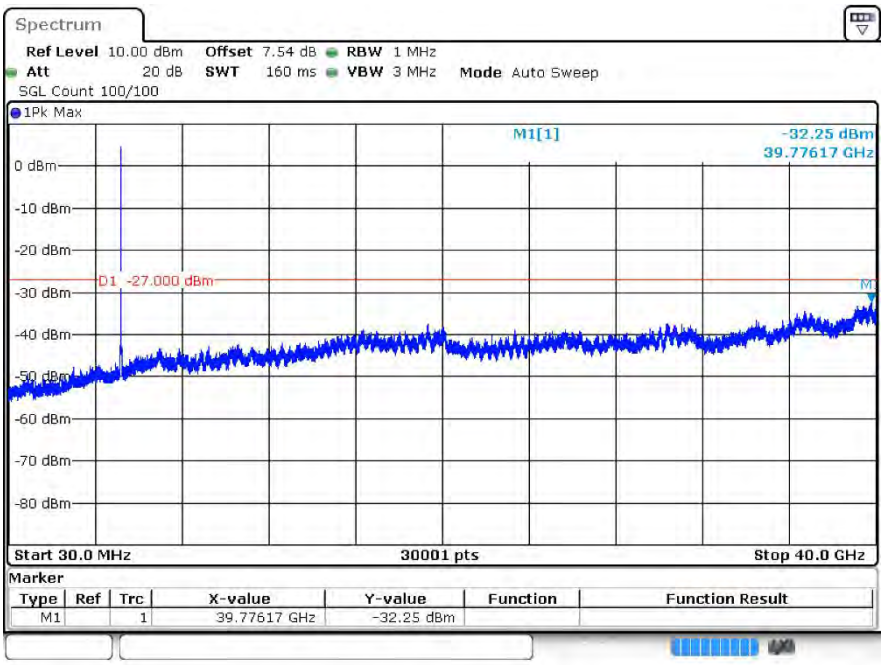
Tx. Spurious ac20 5200MHz Ant1



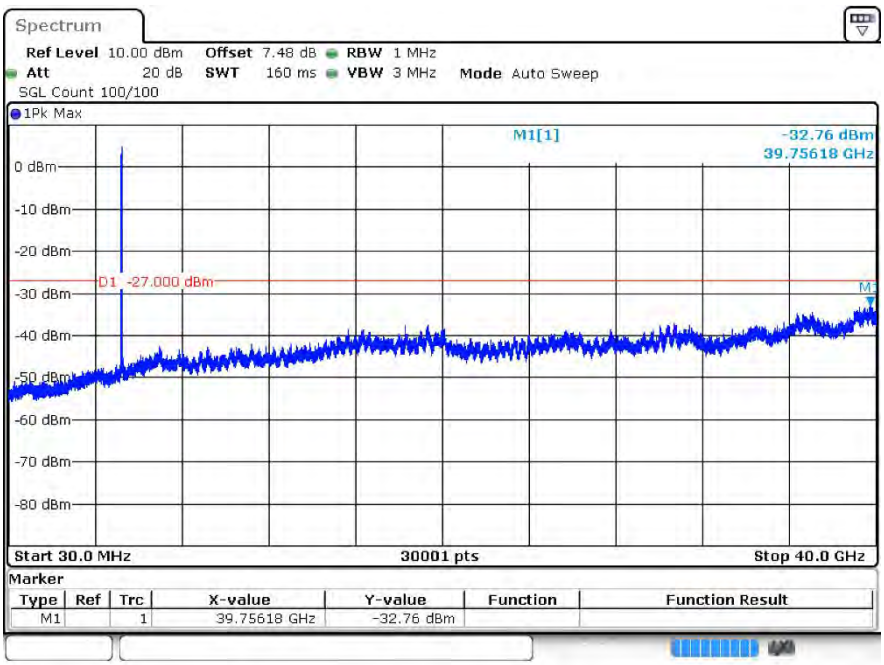
Tx. Spurious ac20 5240MHz Ant1



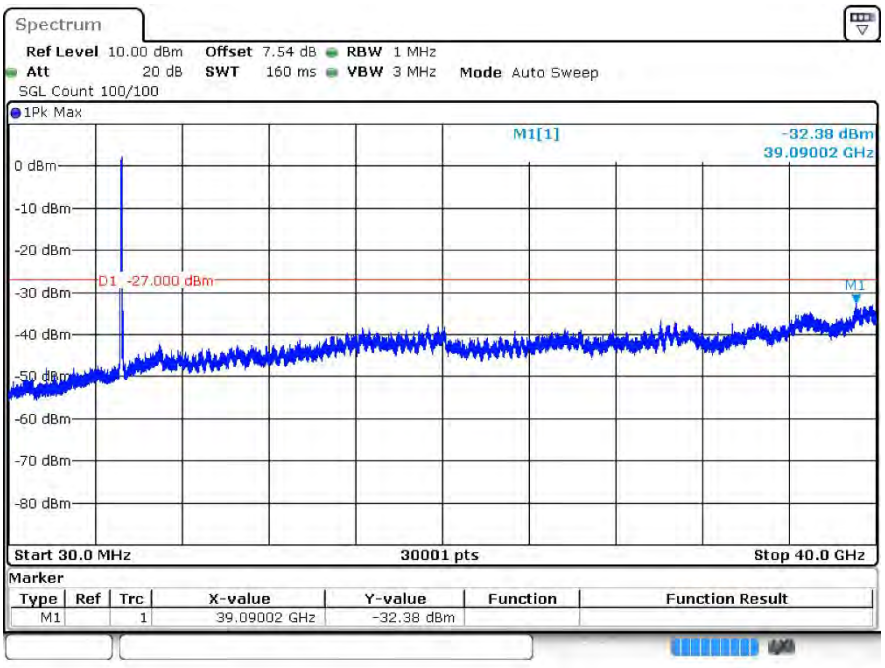
Tx. Spuriousac40 5190MHz Ant1



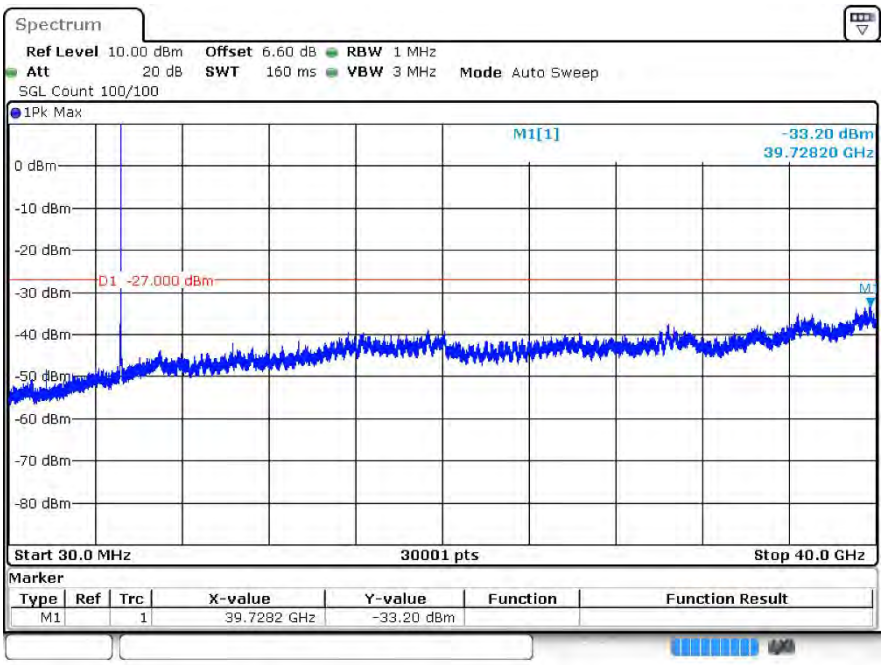
Tx. Spuriousac40 5230MHz Ant1



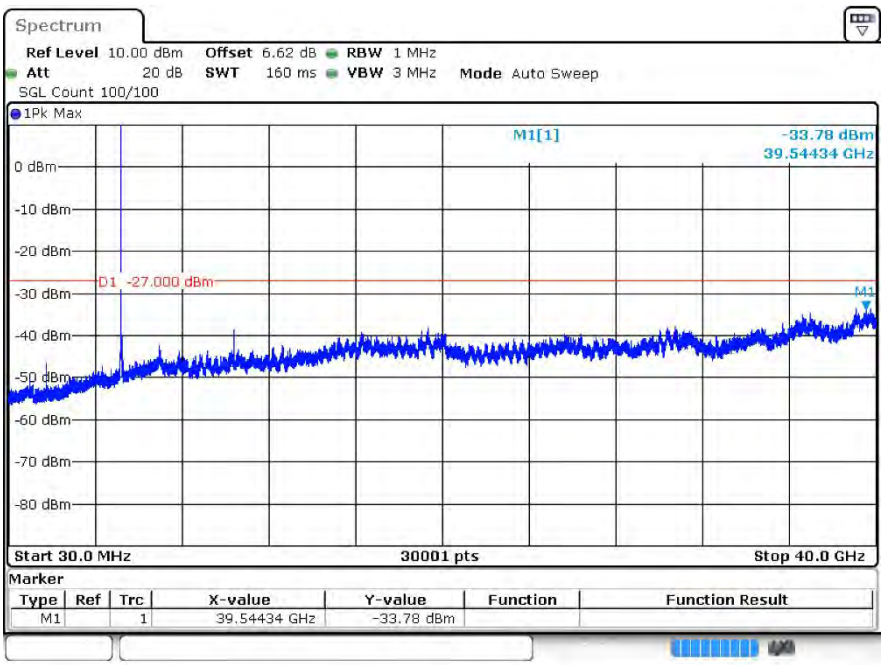
Tx. Spuriousac80 5210MHz Ant1



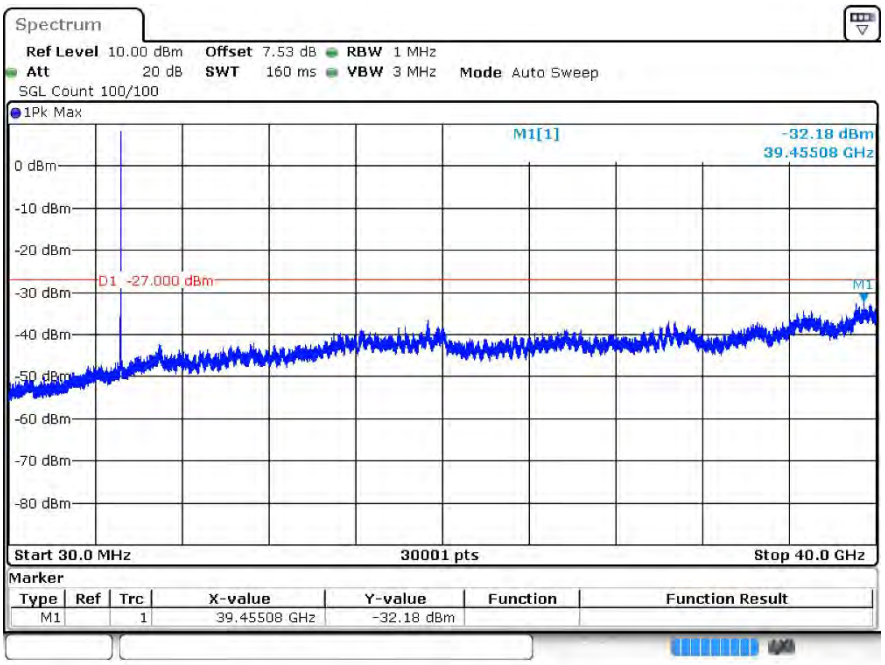
Tx. Spuriousa 5180MHz Ant2



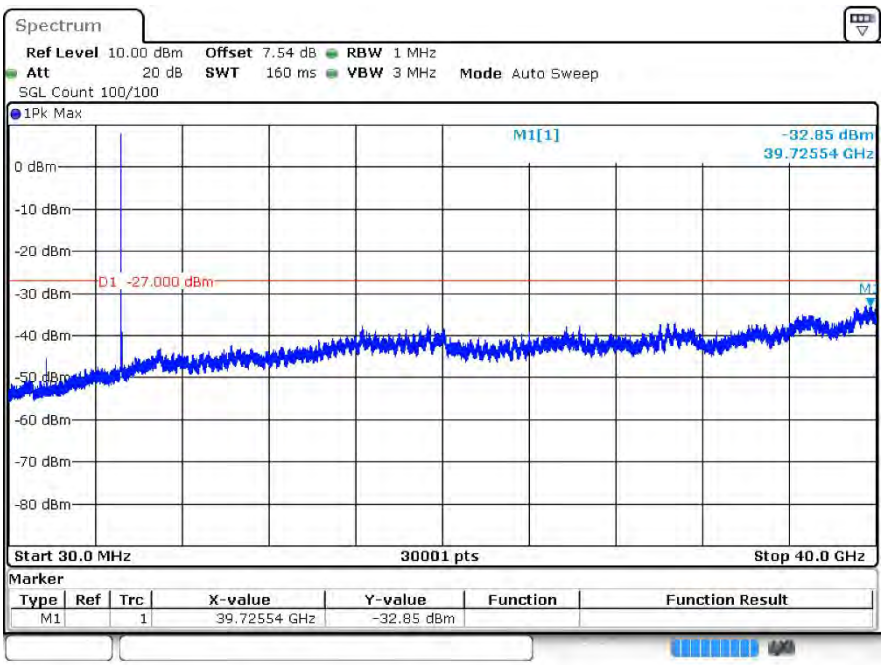
Tx. Spuriousa 5200MHz Ant2



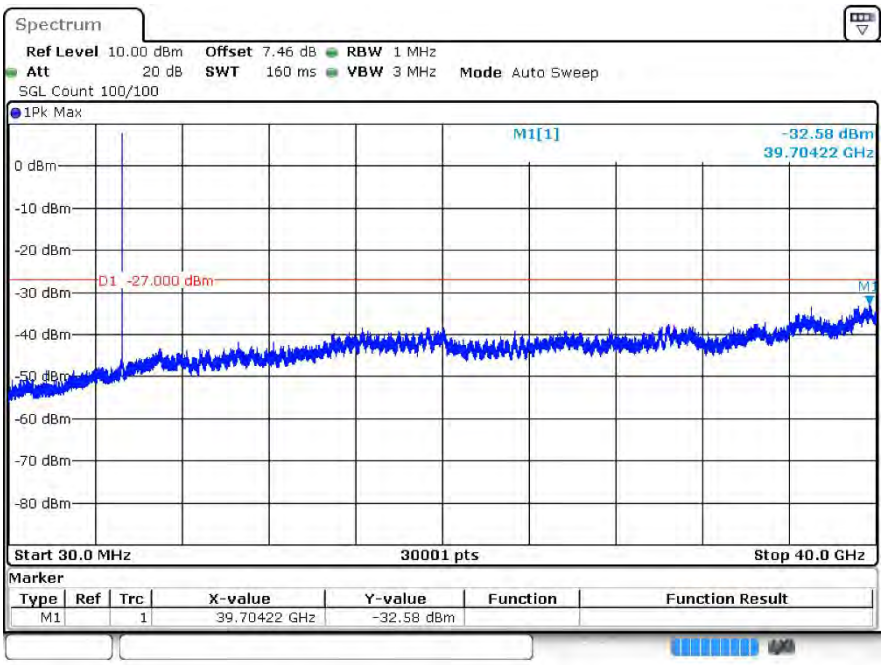
Tx. Spurious ax20 5180MHz Ant1



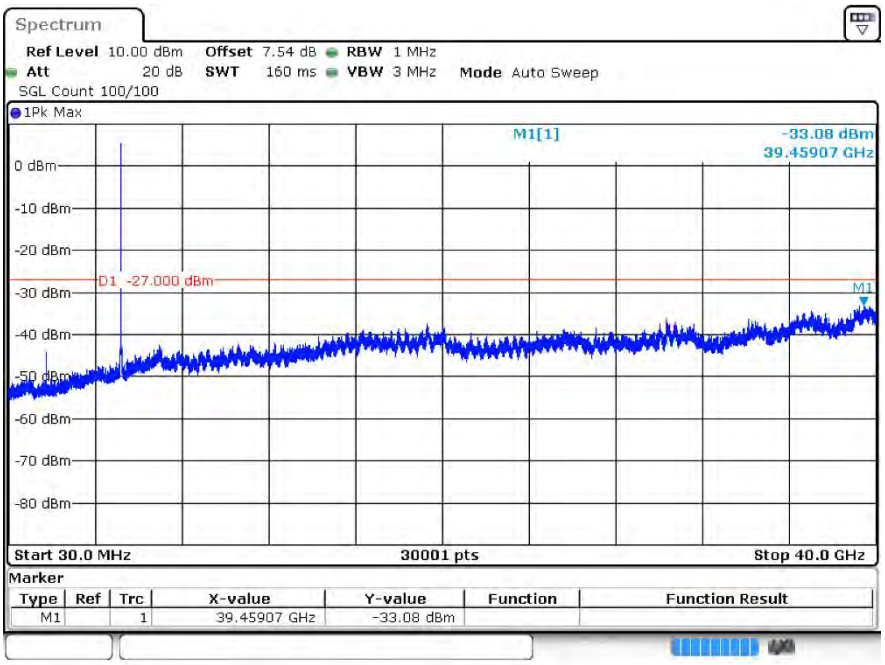
Tx. Spurious ax20 5200MHz Ant1



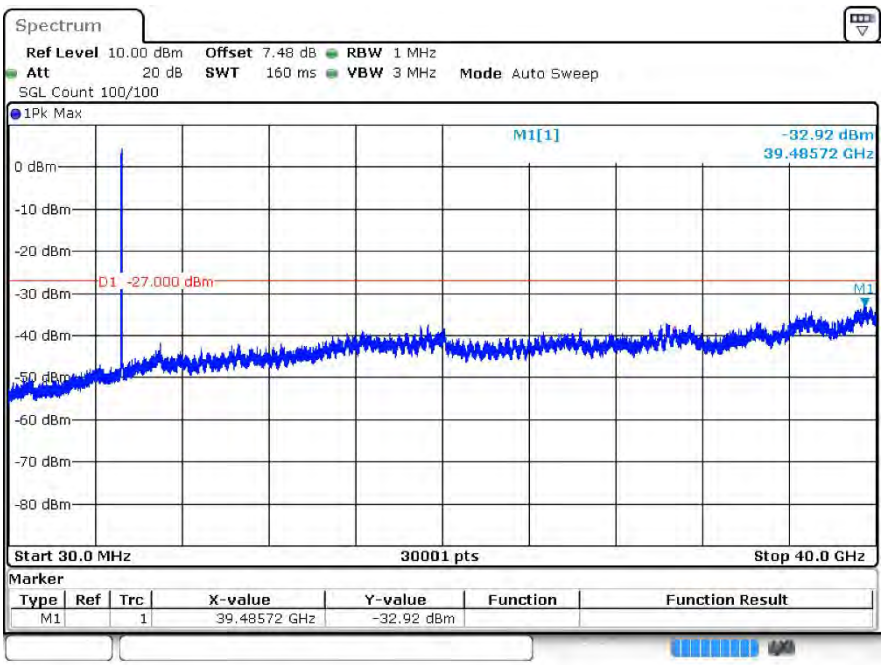
Tx. Spurious ax20 5240MHz Ant1



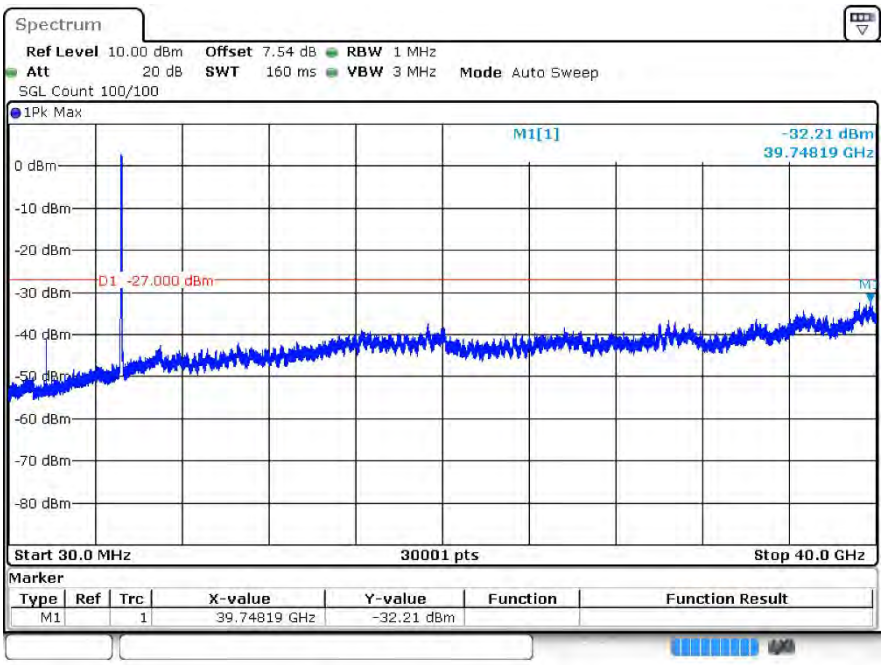
Tx. Spuriousax40 5190MHz Ant1



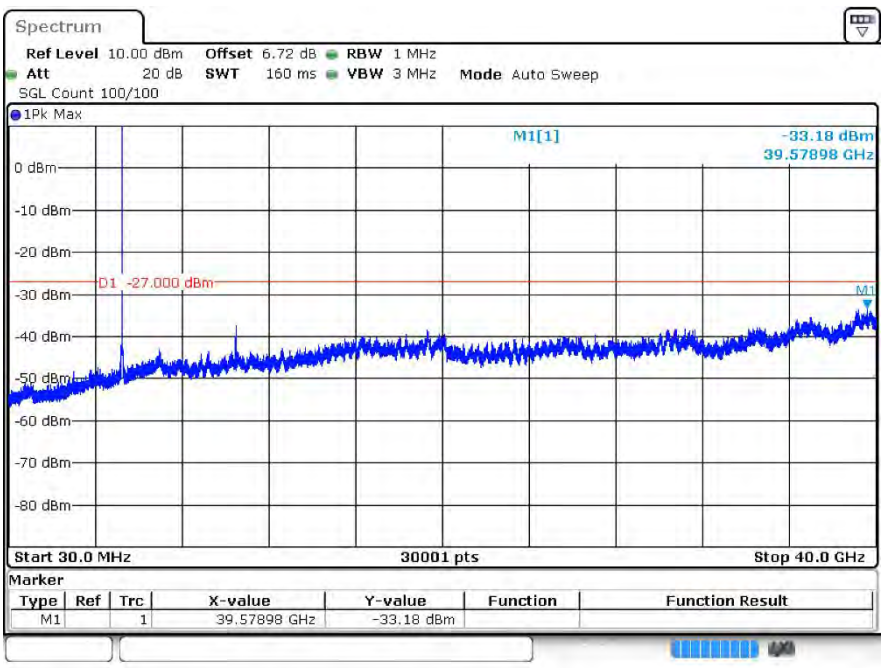
Tx. Spuriousax40 5230MHz Ant1



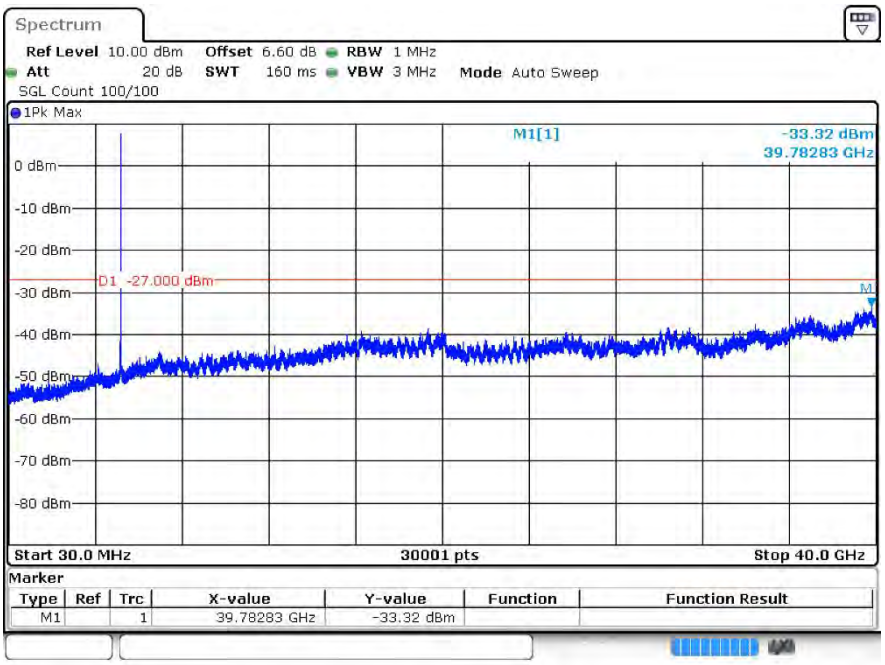
Tx. Spuriousax80 5210MHz Ant1



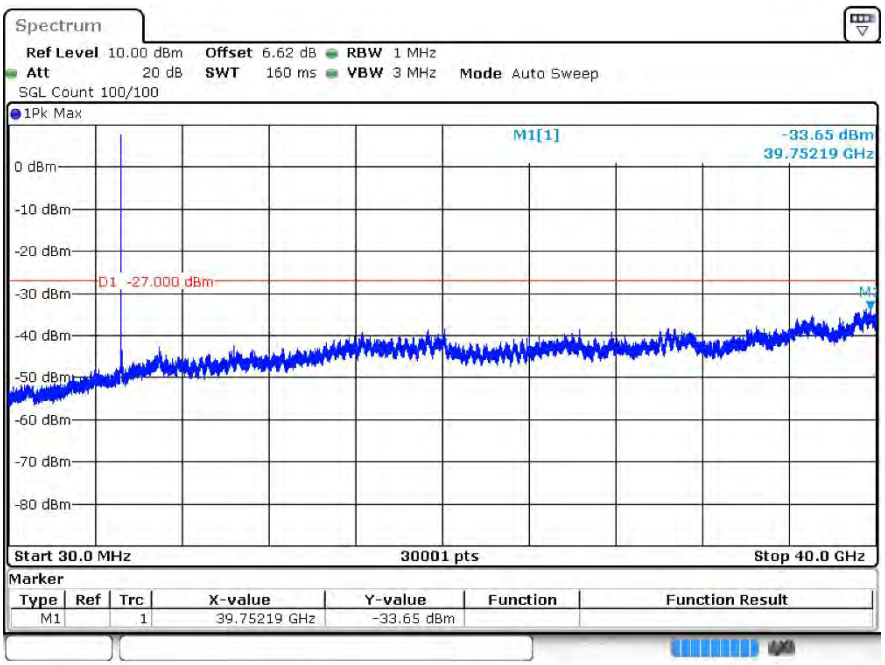
Tx. Spuriousa 5240MHz Ant2



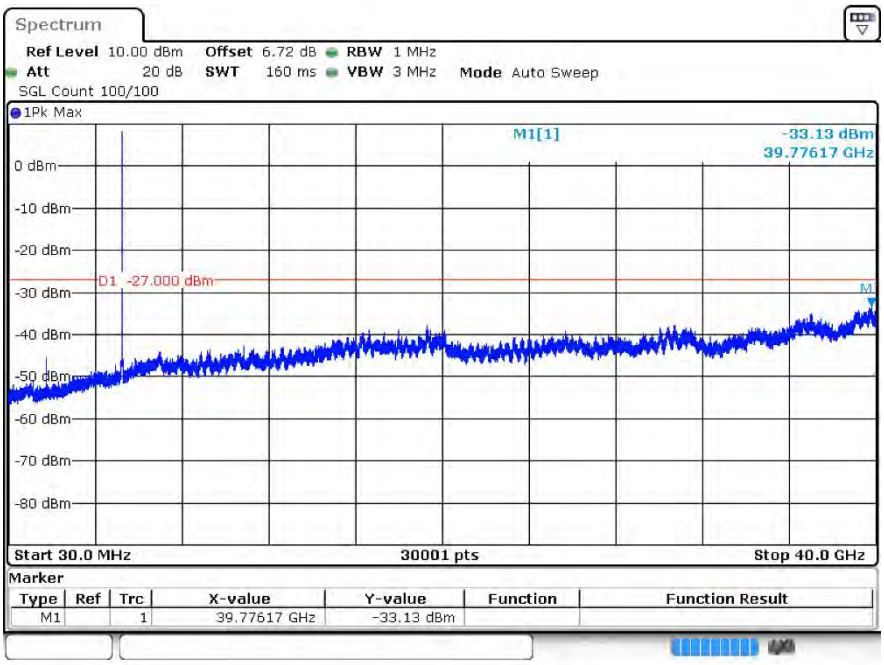
Tx. Spurious n20 5180MHz Ant2



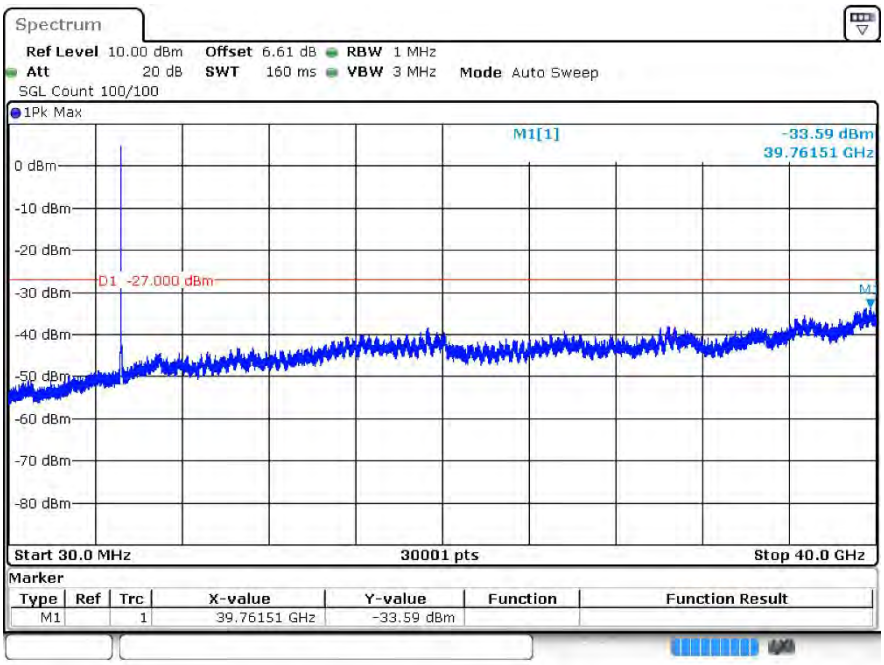
Tx. Spurious n20 5200MHz Ant2



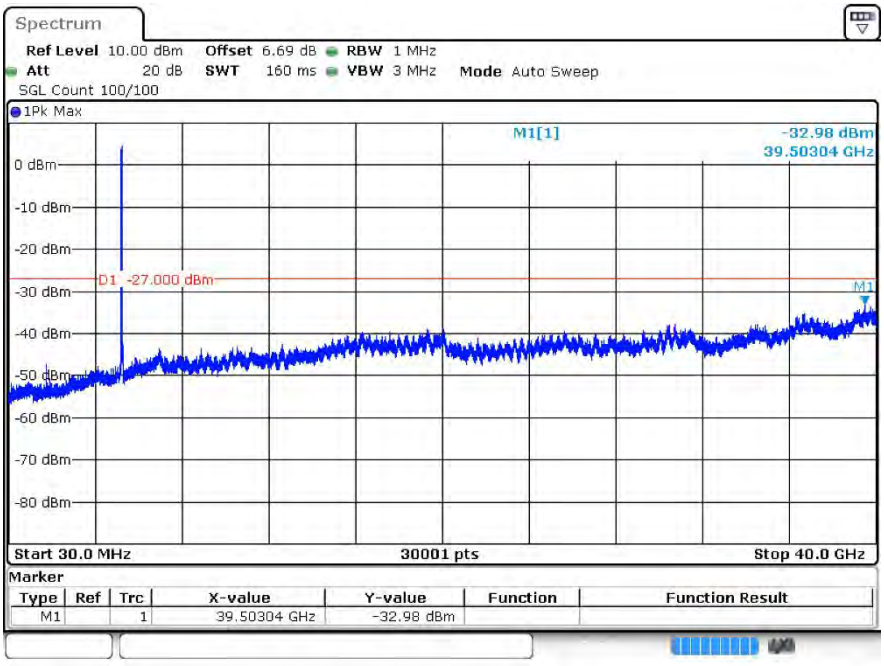
Tx. Spurious n20 5240MHz Ant2



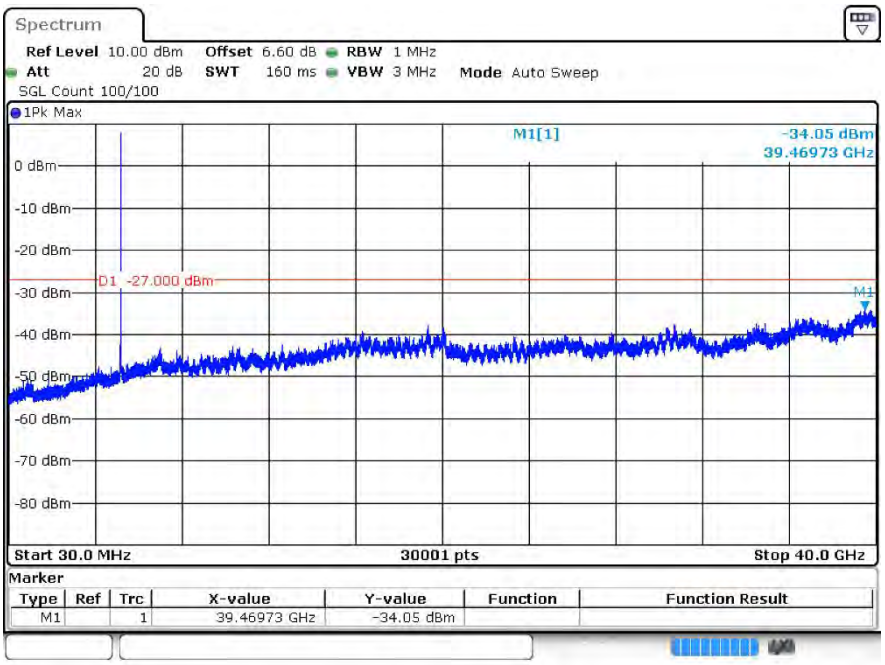
Tx. Spuriousn40 5190MHz Ant2



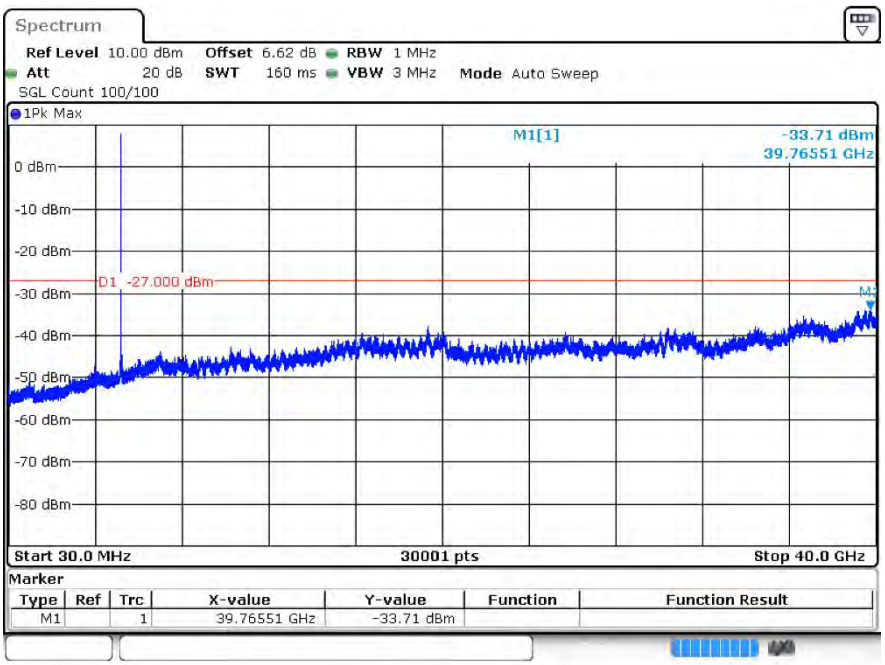
Tx. Spuriousn40 5230MHz Ant2



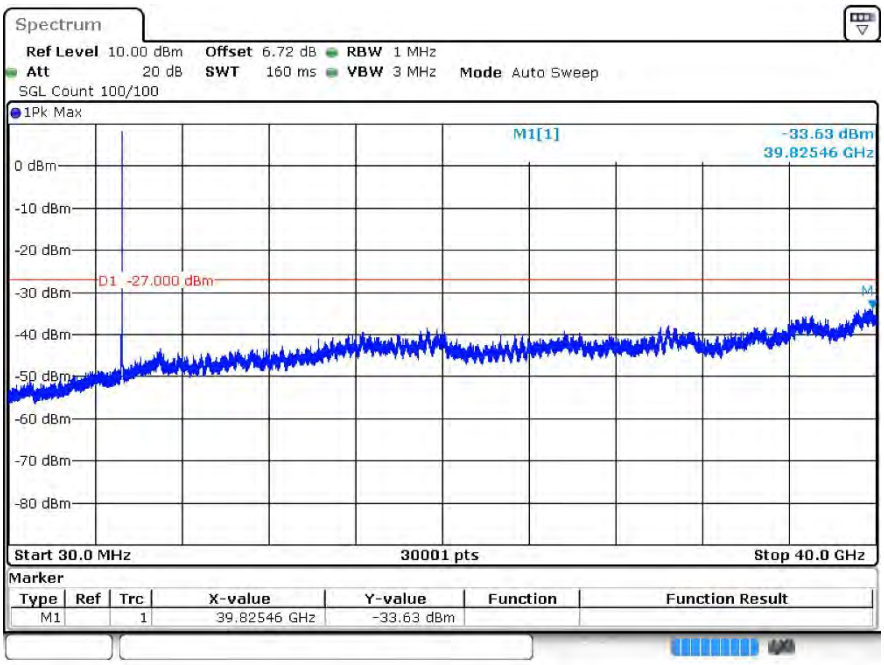
Tx. Spurious ac20 5180MHz Ant2



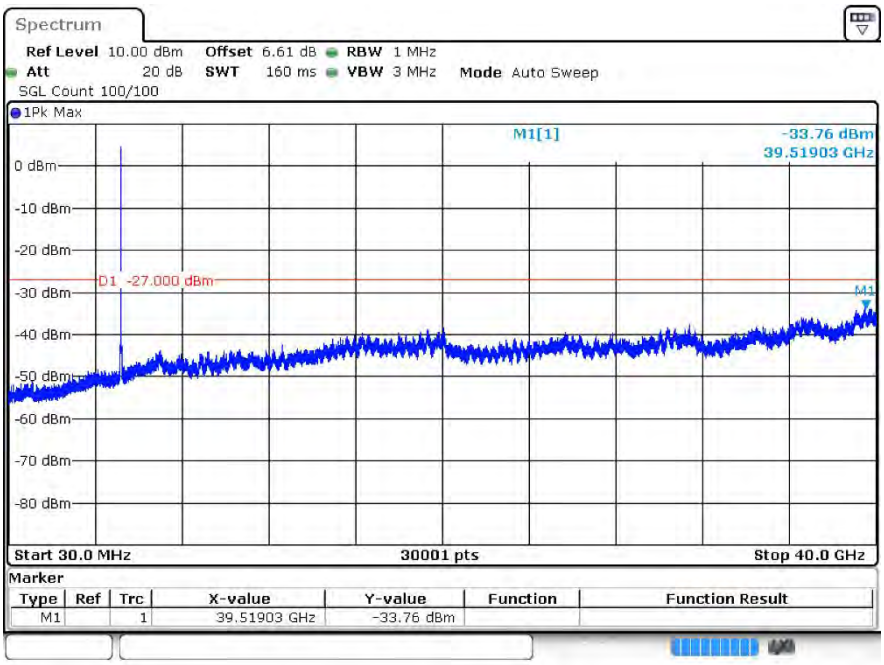
Tx. Spurious ac20 5200MHz Ant2



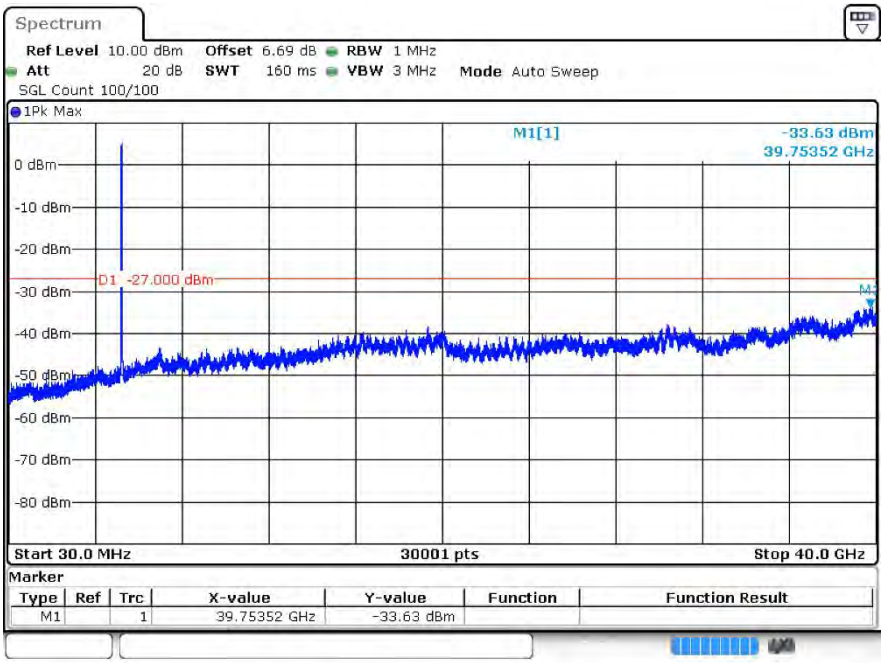
Tx. Spurious ac20 5240MHz Ant2



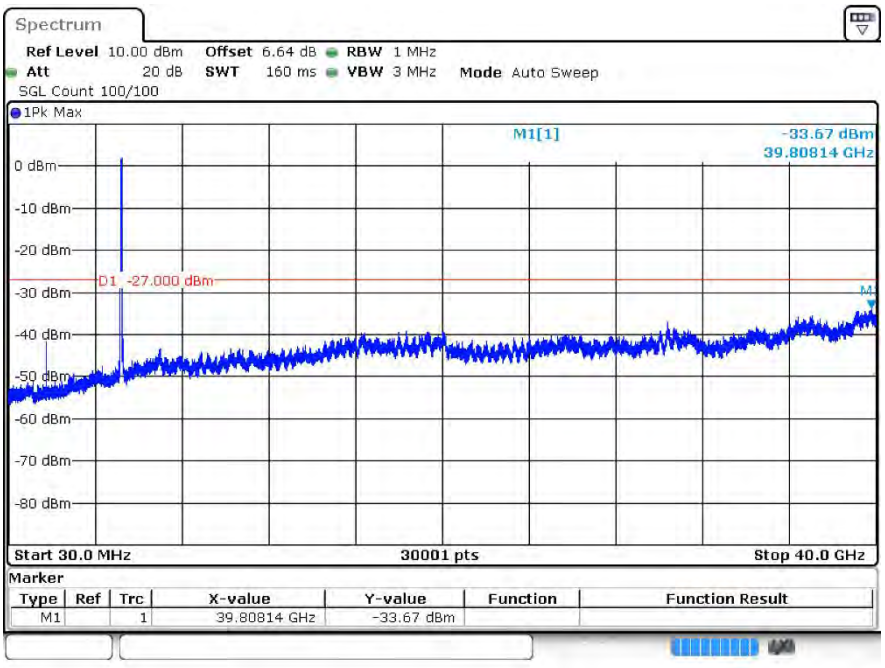
Tx. Spuriousac40 5190MHz Ant2



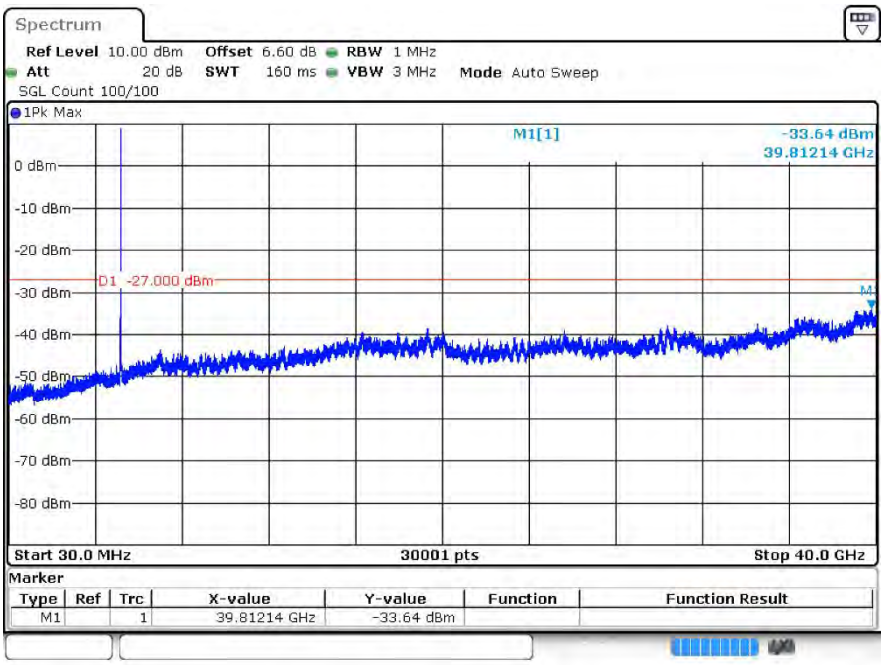
Tx. Spuriousac40 5230MHz Ant2



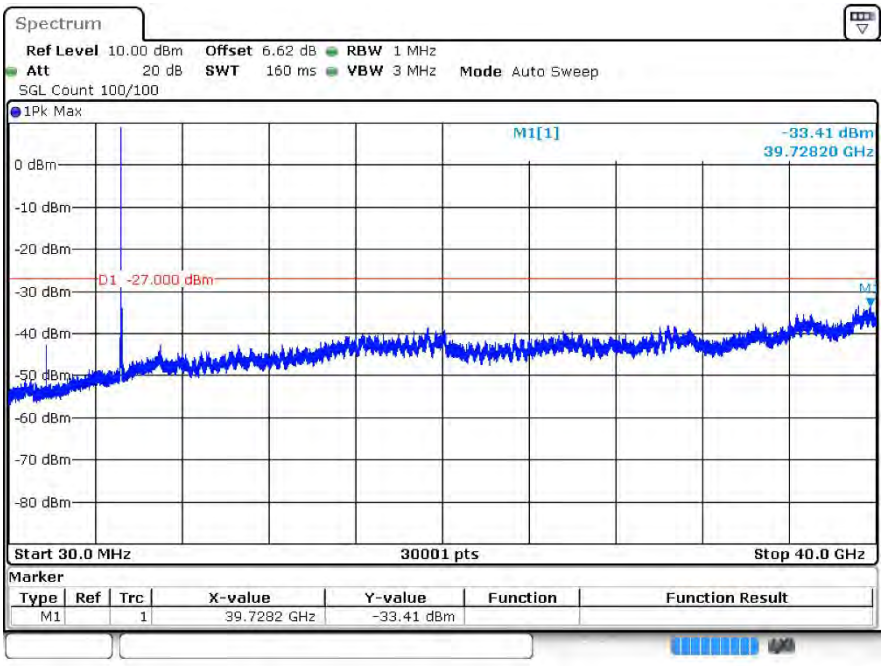
Tx. Spuriousac80 5210MHz Ant2



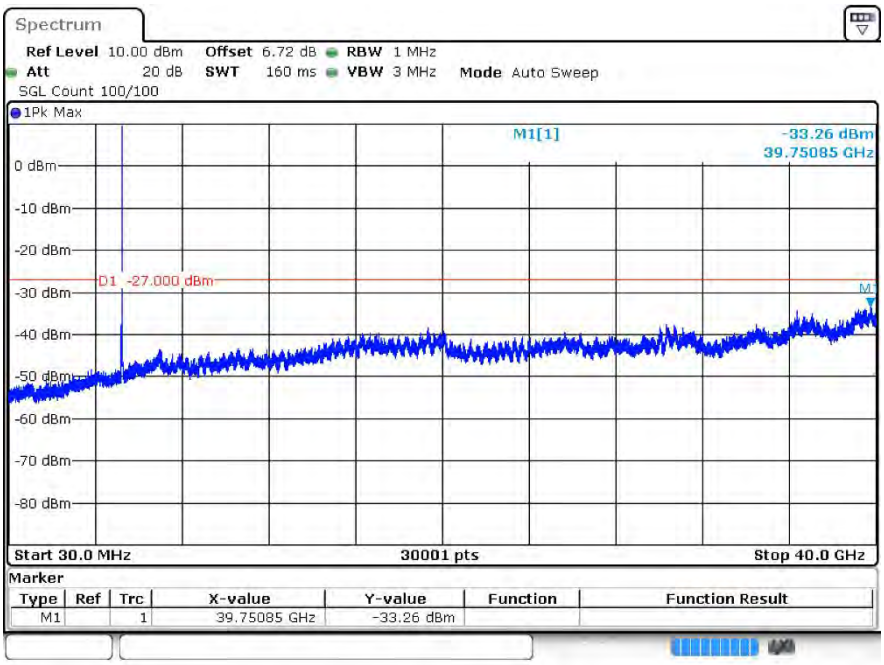
Tx. Spurious ax20 5180MHz Ant2



Tx. Spurious ax20 5200MHz Ant2



Tx. Spurious ax20 5240MHz Ant2



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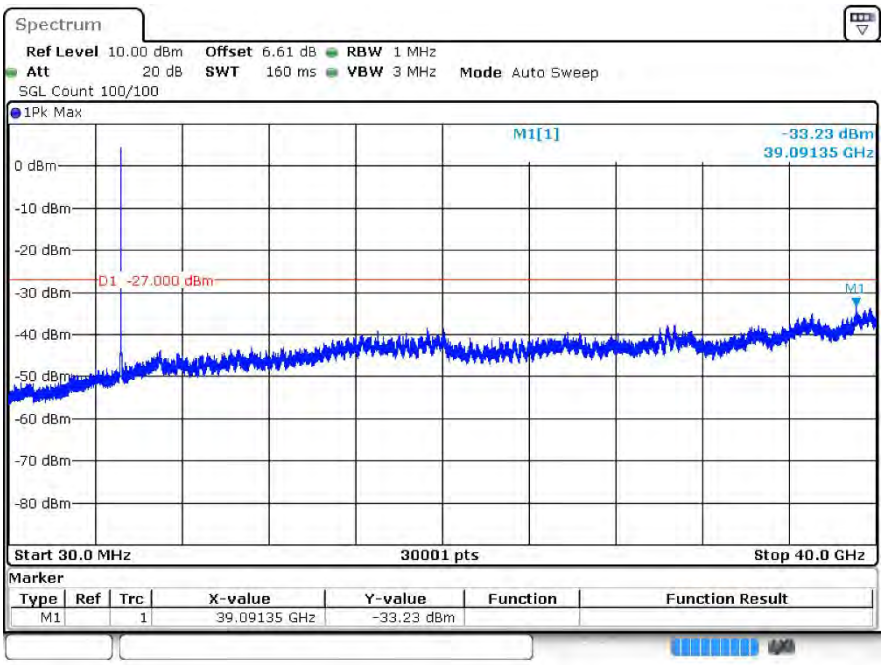
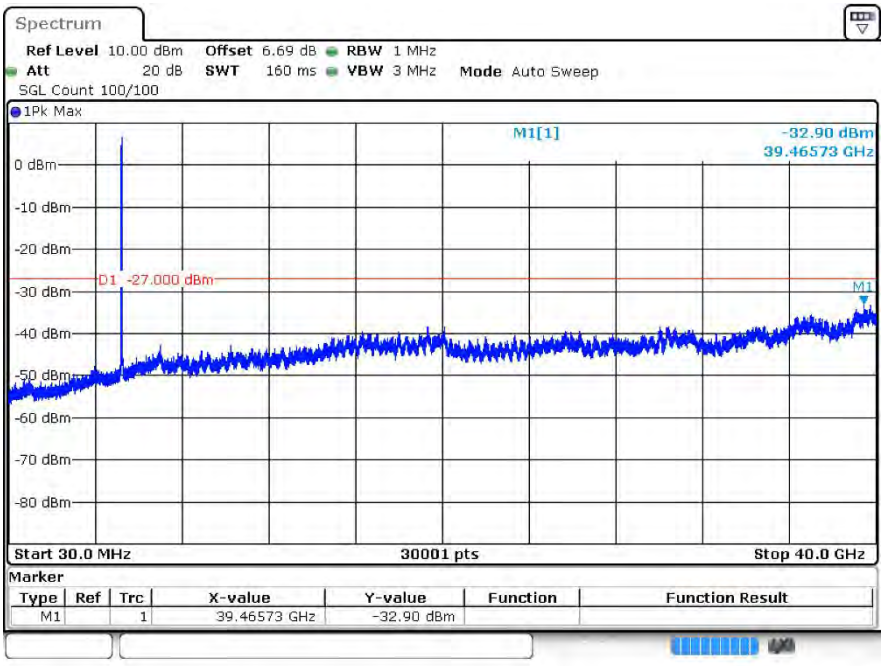
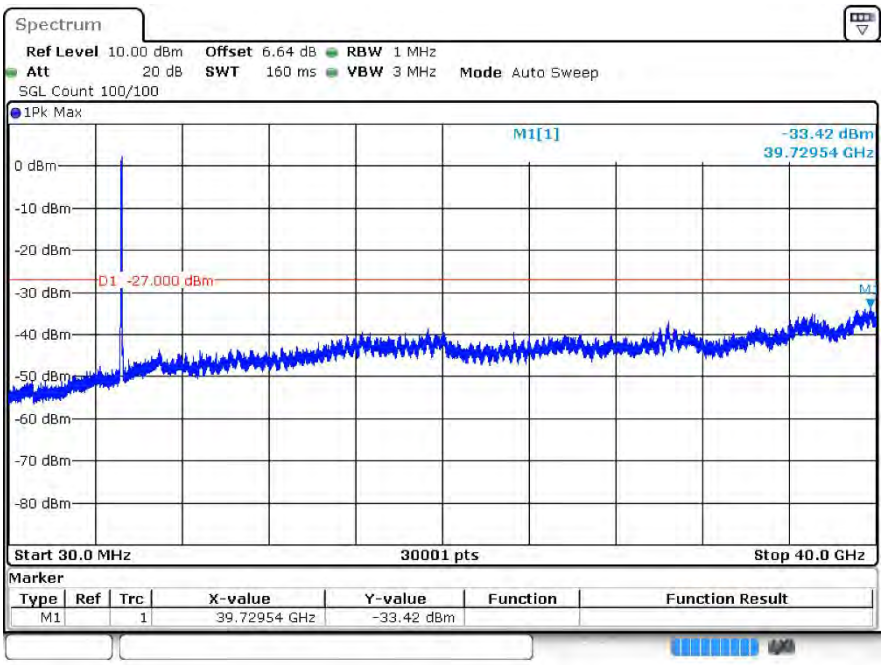


Tx. Spuriousax40 5230MHz Ant2



Tx. Spuriousax80 5210MHz Ant2