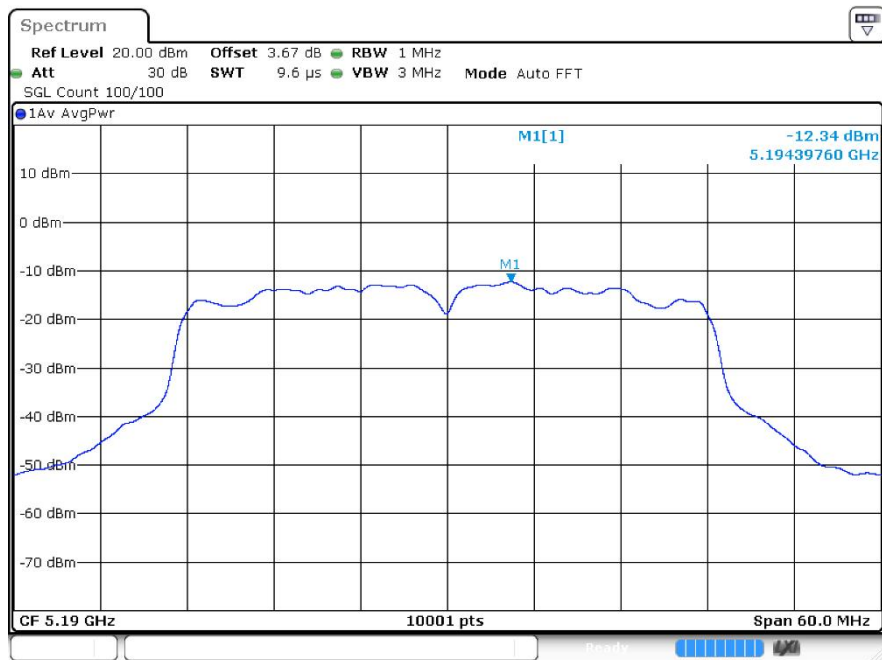
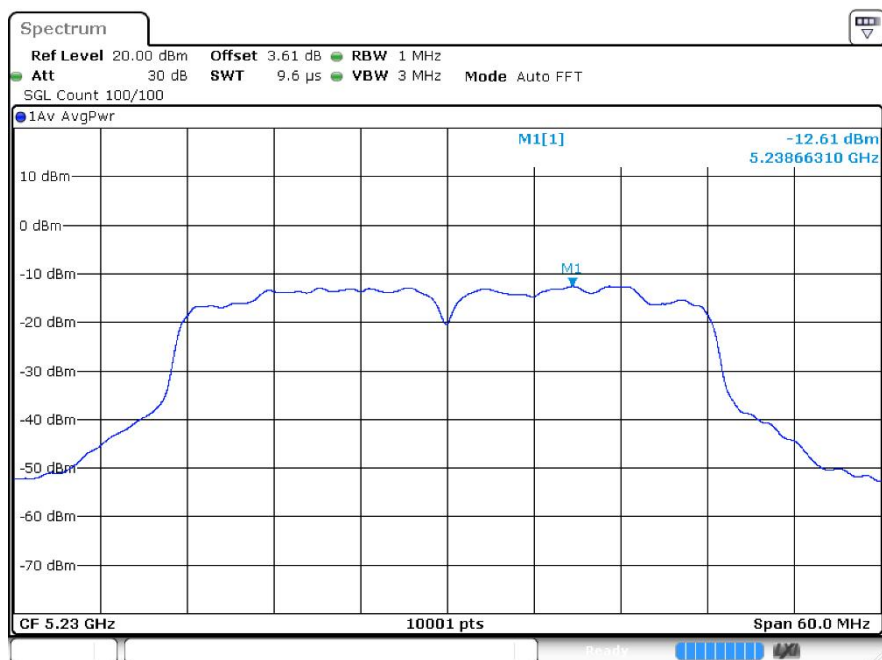


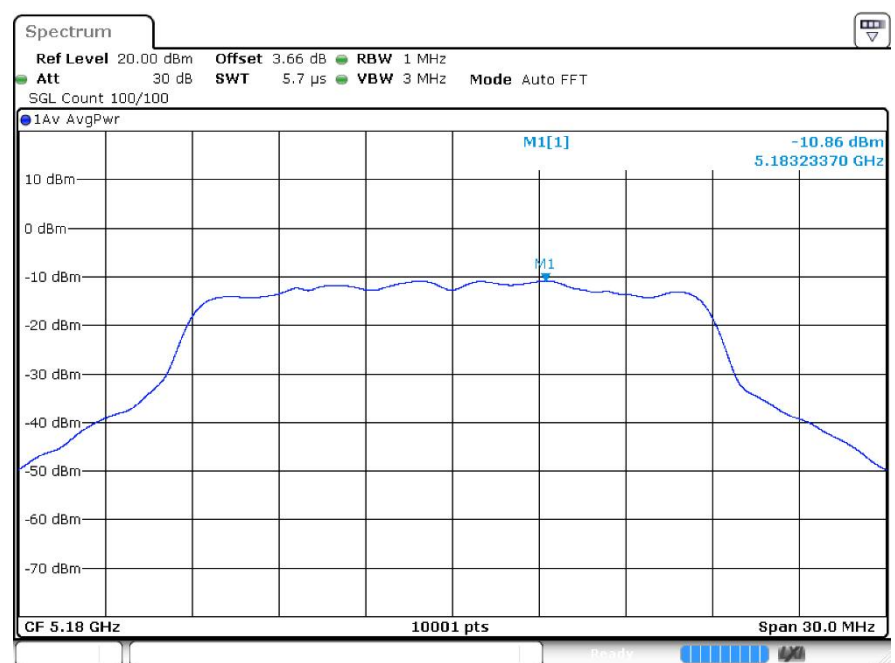
PSD n40 5190MHz Ant1



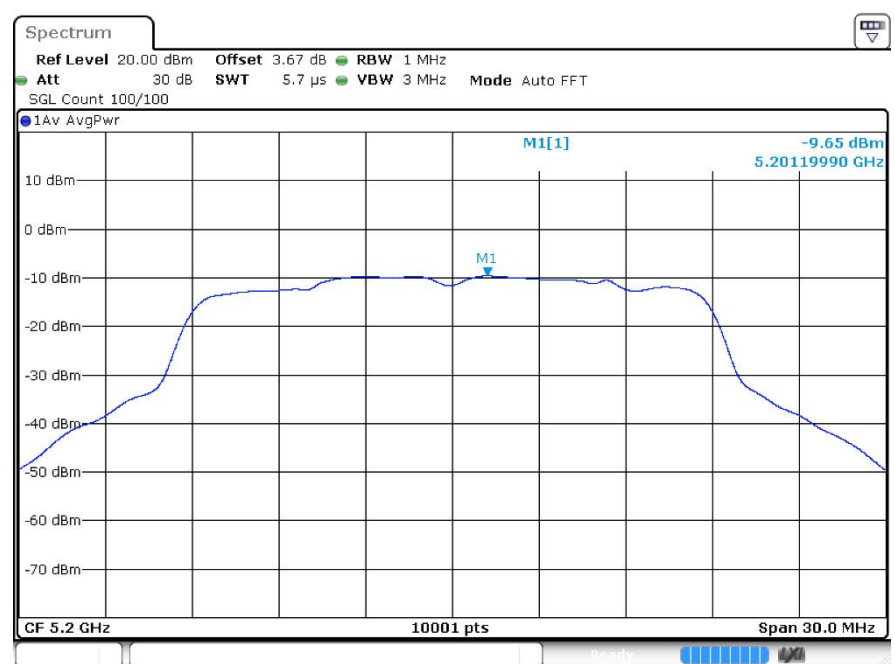
PSD n40 5230MHz Ant1



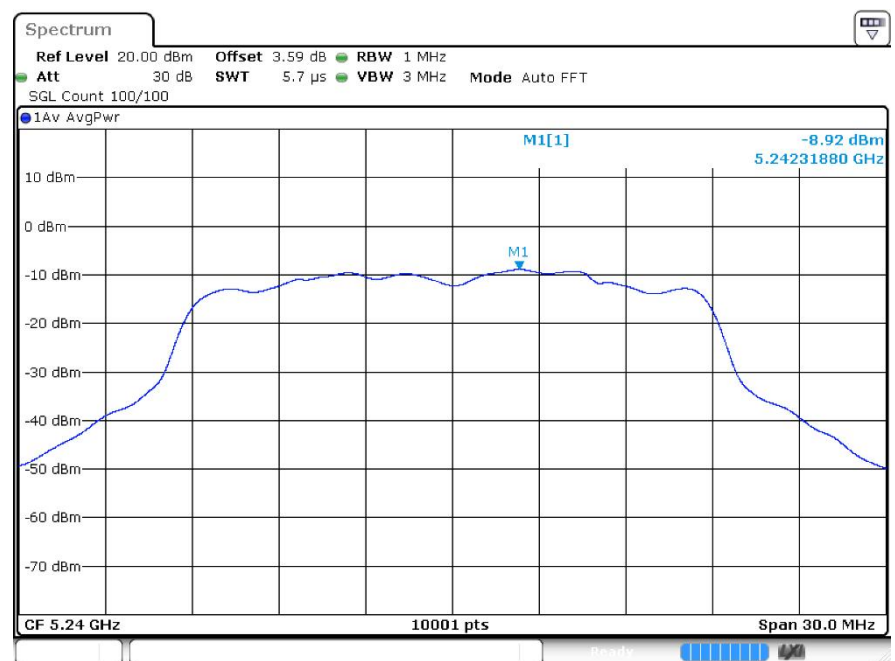
PSD ac20 5180MHz Ant1



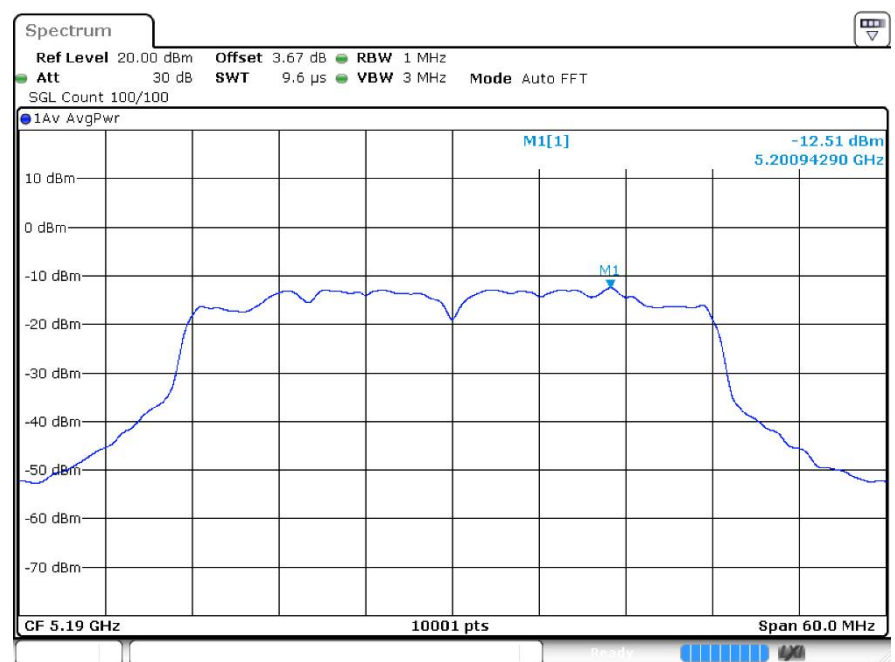
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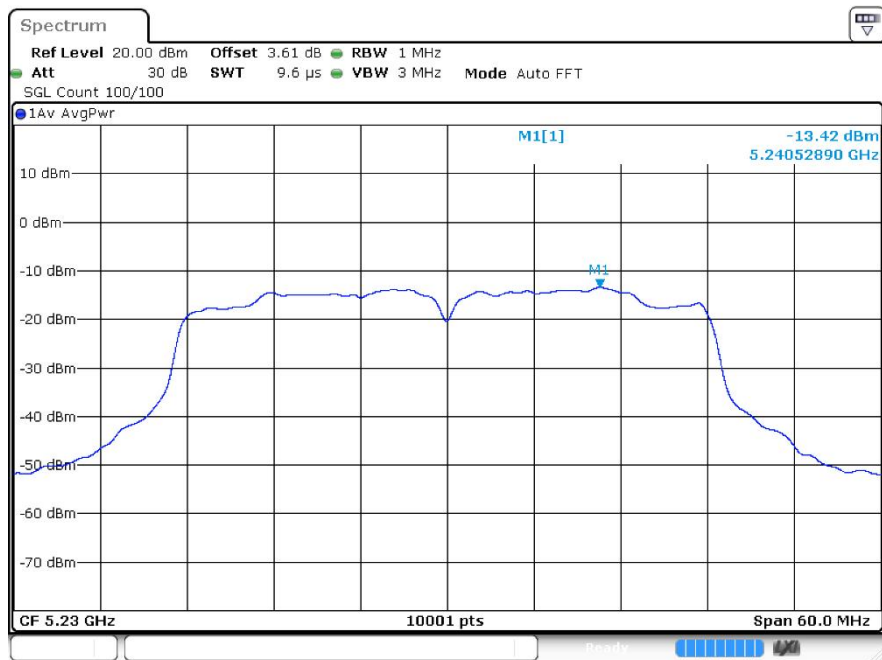
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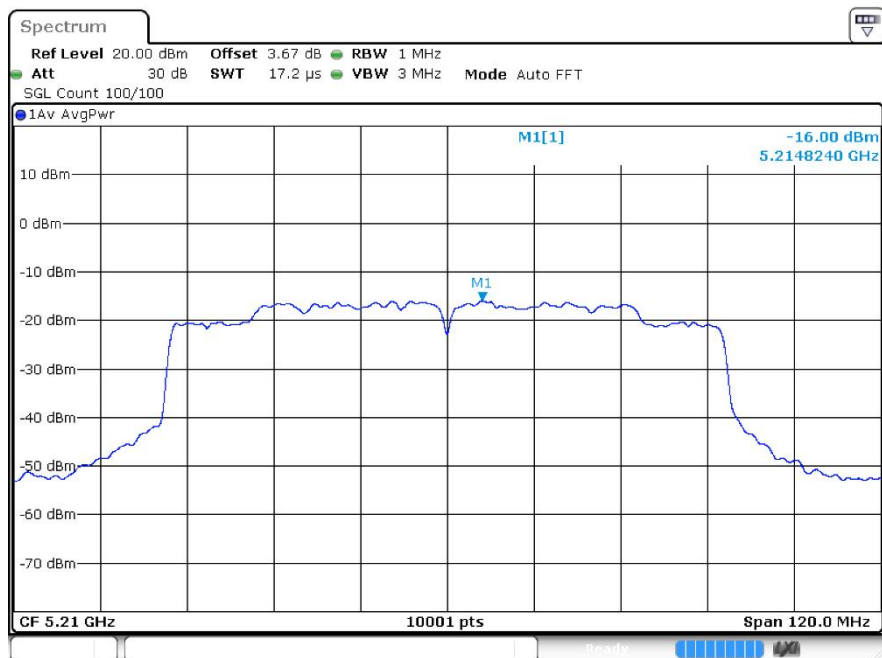
PSD ac40 5190MHz Ant1



PSD ac40 5230MHz Ant1



PSD ac80 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	Ant1	5179.94	-60000	-11.58	25	Pass
20C 120V	a	5180	Ant1	5179.96	-40000	-7.72	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	5179.94	-60000	-11.58	25	Pass
0C 120V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
10C 120V	a	5180	Ant1	5179.92	-80000	-15.44	25	Pass
30C 120V	a	5180	Ant1	5179.94	-60000	-11.58	25	Pass
40C 120V	a	5180	Ant1	5179.94	-60000	-11.58	25	Pass
50C 120V	a	5180	Ant1	5180	0	0	25	Pass
20C 102V	a	5200	Ant1	5199.92	-80000	-15.38	25	Pass
20C 120V	a	5200	Ant1	5199.94	-60000	-11.54	25	Pass
20C 138V	a	5200	Ant1	5199.94	-60000	-11.54	25	Pass
-20C 120V	a	5200	Ant1	5199.96	-40000	-7.69	25	Pass
-10C 120V	a	5200	Ant1	5199.96	-40000	-7.69	25	Pass
0C 120V	a	5200	Ant1	5199.96	-40000	-7.69	25	Pass
10C 120V	a	5200	Ant1	5199.96	-40000	-7.69	25	Pass
30C 120V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
40C 120V	a	5200	Ant1	5199.94	-60000	-11.54	25	Pass
20C 102V	a	5200	Ant1	5199.92	-80000	-15.38	25	Pass
20C 102V	a	5240	Ant1	5239.94	-60000	-11.45	25	Pass
20C 120V	a	5240	Ant1	5239.92	-80000	-15.27	25	Pass
20C 138V	a	5240	Ant1	5239.94	-60000	-11.45	25	Pass
-20C 120V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-10C 120V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
0C 120V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
10C 120V	a	5240	Ant1	5239.92	-80000	-15.27	25	Pass
30C 120V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
40C 120V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
50C 120V	a	5240	Ant1	5239.94	-60000	-11.45	25	Pass
20C 102V	n20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
20C 120V	n20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 138V	n20	5180	Ant1	5179.92	-80000	-15.44	25	Pass
-20C 120V	n20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
-10C 120V	n20	5180	Ant1	5179.92	-80000	-15.44	25	Pass



0C 120V	n20	5180	Ant1	5179.98	-20000	-3.86	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	5179.96	-40000	-7.72	25	Pass
20C 102V	n20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
20C 120V	n20	5200	Ant1	5199.94	-60000	-11.54	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	5199.98	-20000	-3.85	25	Pass
0C 120V	n20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
10C 120V	n20	5200	Ant1	5199.92	-80000	-15.38	25	Pass
30C 120V	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
40C 120V	n20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
50C 120V	n20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 102V	n20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
20C 120V	n20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 138V	n20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
-20C 120V	n20	5240	Ant1	5239.92	-80000	-15.27	25	Pass
-10C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
0C 120V	n20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
10C 120V	n20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
30C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
40C 120V	n20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
50C 120V	n20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
20C 102V	n40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
20C 120V	n40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
20C 138V	n40	5190	Ant1	5190	0	0	25	Pass
-20C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
-10C 120V	n40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
0C 120V	n40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
10C 120V	n40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
30C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
40C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
50C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 102V	n40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
20C 120V	n40	5230	Ant1	5230	0	0	25	Pass
20C 138V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
-20C 120V	n40	5230	Ant1	5230	0	0	25	Pass
-10C 120V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
0C 120V	n40	5230	Ant1	5229.96	-40000	-7.65	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	5230	0	0	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	5179.94	-60000	-11.58	25	Pass
20C 138V	ac20	5180	Ant1	5179.92	-80000	-15.44	25	Pass
-20C 120V	ac20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
-10C 120V	ac20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
0C 120V	ac20	5180	Ant1	5179.92	-80000	-15.44	25	Pass
10C 120V	ac20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
30C 120V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
40C 120V	ac20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
50C 120V	ac20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 102V	ac20	5200	Ant1	5199.96	-40000	-7.69	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	5199.92	-80000	-15.38	25	Pass
-10C 120V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
0C 120V	ac20	5200	Ant1	5199.94	-60000	-11.54	25	Pass
10C 120V	ac20	5200	Ant1	5199.92	-80000	-15.38	25	Pass
30C 120V	ac20	5200	Ant1	5199.92	-80000	-15.38	25	Pass
40C 120V	ac20	5200	Ant1	5200	0	0	25	Pass
50C 120V	ac20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 102V	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 120V	ac20	5240	Ant1	5239.92	-80000	-15.27	25	Pass
20C 138V	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-20C 120V	ac20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-10C 120V	ac20	5240	Ant1	5239.92	-80000	-15.27	25	Pass
0C 120V	ac20	5240	Ant1	5239.92	-80000	-15.27	25	Pass
10C 120V	ac20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
30C 120V	ac20	5240	Ant1	5239.94	-60000	-11.45	25	Pass
40C 120V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
50C 120V	ac20	5240	Ant1	5239.92	-80000	-15.27	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	5189.92	-80000	-15.41	25	Pass
-20C 120V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
-10C 120V	ac40	5190	Ant1	5190	0	0	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	5189.92	-80000	-15.41	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



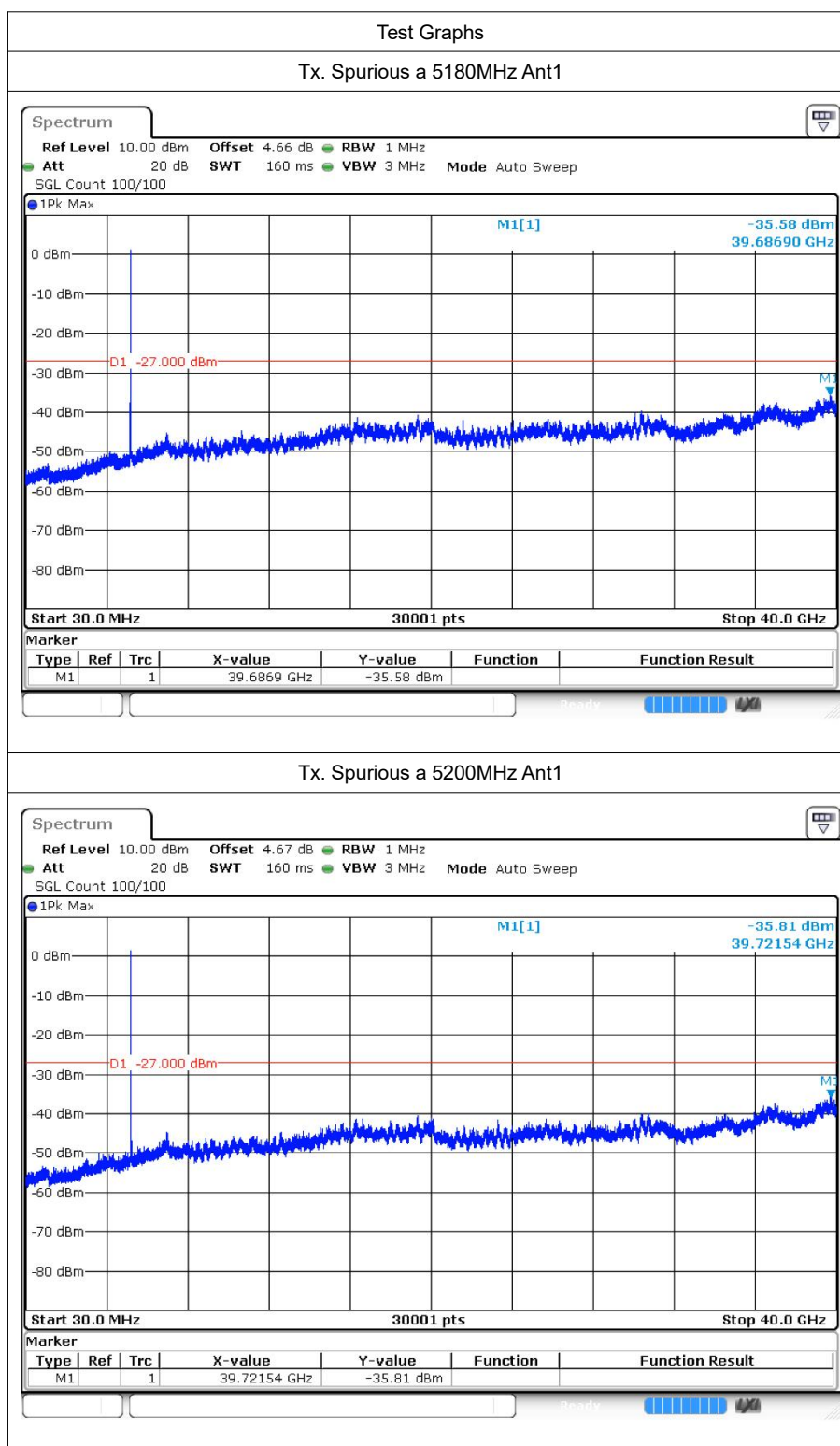
20C 120V	ac40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
20C 138V	ac40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
-20C 120V	ac40	5230	Ant1	5230	0	0	25	Pass
-10C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
0C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
10C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
30C 120V	ac40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
40C 120V	ac40	5230	Ant1	5229.92	-80000	-15.3	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	5209.92	-80000	-15.36	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	5209.92	-80000	-15.36	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	5210.08	80000	15.36	25	Pass
40C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
50C 120V	ac80	5210	Ant1	5210	0	0	25	Pass

7 Conducted RF Spurious Emission

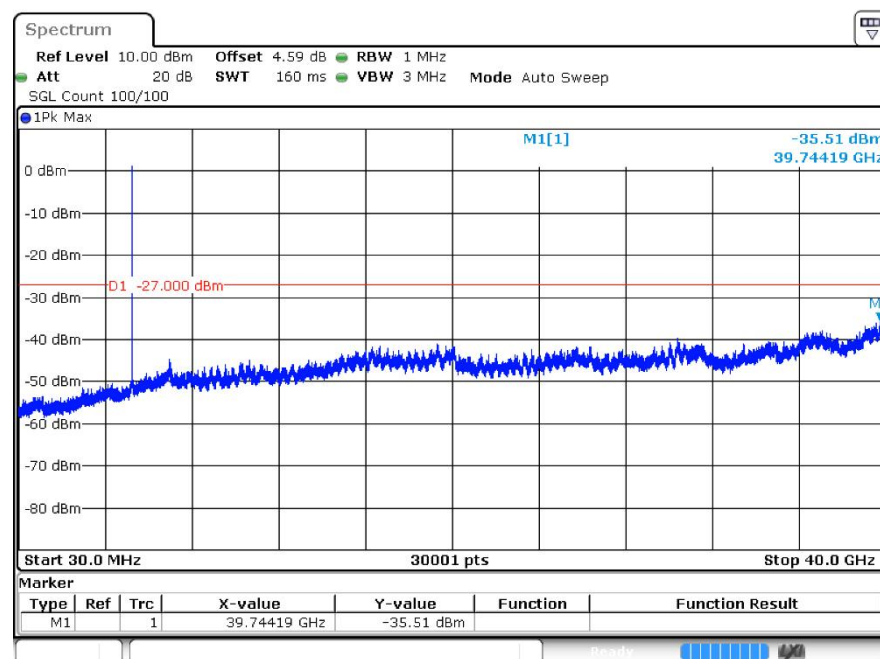
7.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
a	5180	Ant1	-35.57	-27	Pass
a	5200	Ant1	-35.8	-27	Pass
a	5240	Ant1	-35.51	-27	Pass
n20	5180	Ant1	-35.54	-27	Pass
n20	5200	Ant1	-35.8	-27	Pass
n20	5240	Ant1	-35.9	-27	Pass
n40	5190	Ant1	-35.77	-27	Pass
n40	5230	Ant1	-35.08	-27	Pass
ac20	5180	Ant1	-35.18	-27	Pass
ac20	5200	Ant1	-35.15	-27	Pass
ac20	5240	Ant1	-36.44	-27	Pass
ac40	5190	Ant1	-35.41	-27	Pass
ac40	5230	Ant1	-36	-27	Pass
ac80	5210	Ant1	-35.87	-27	Pass

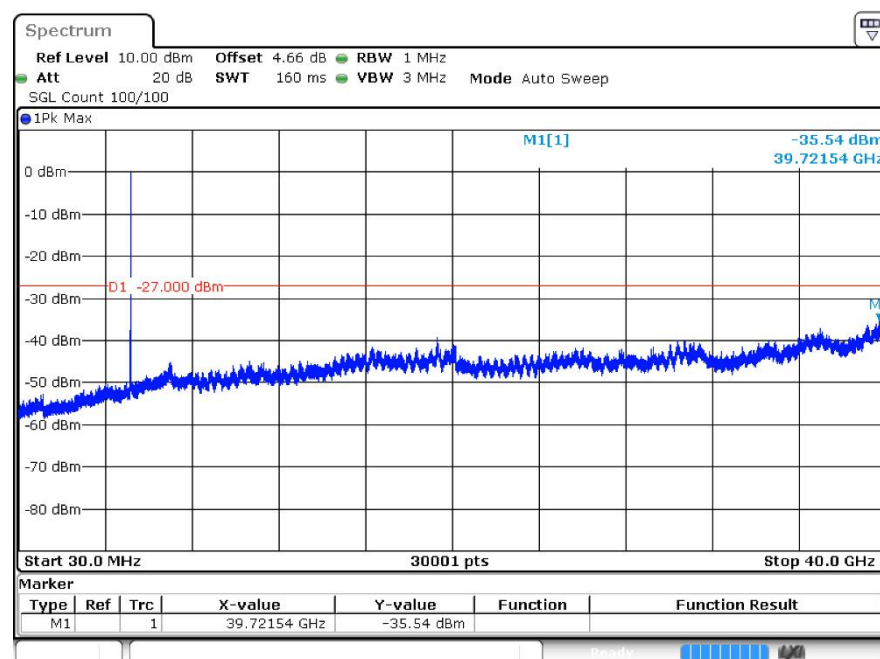
7.2 Test Graphs



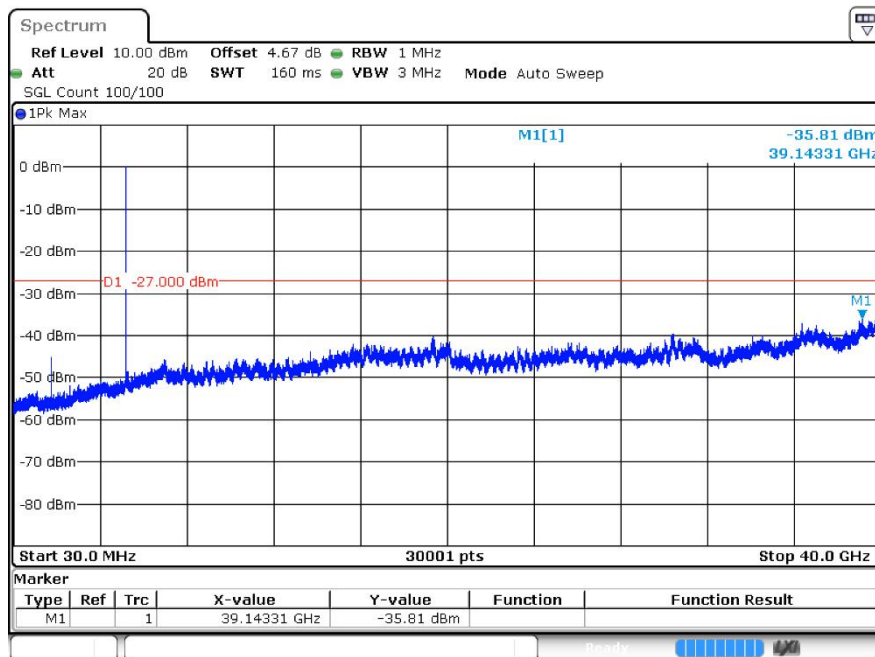
Tx. Spurious a 5240MHz Ant1



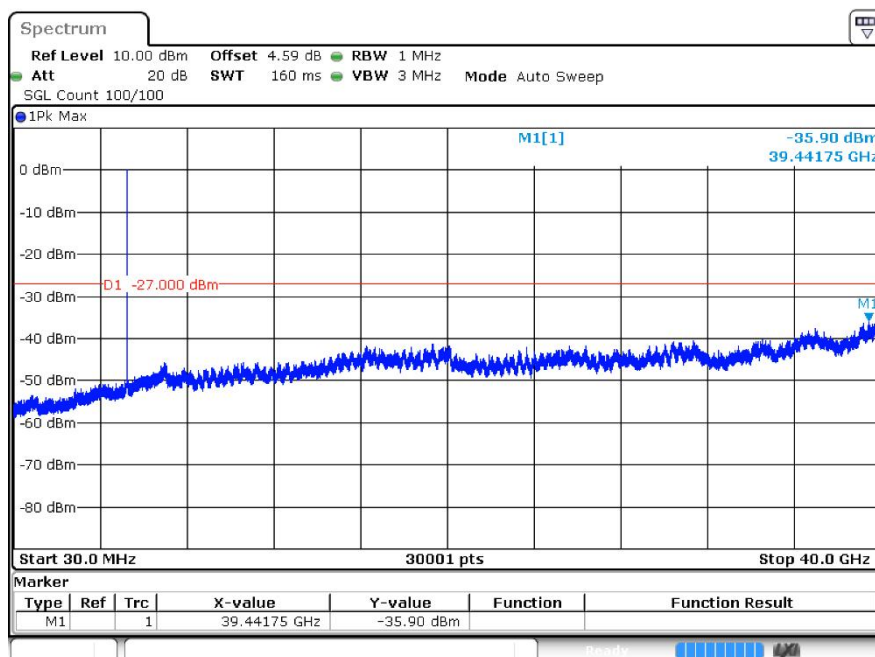
Tx. Spurious n20 5180MHz Ant1



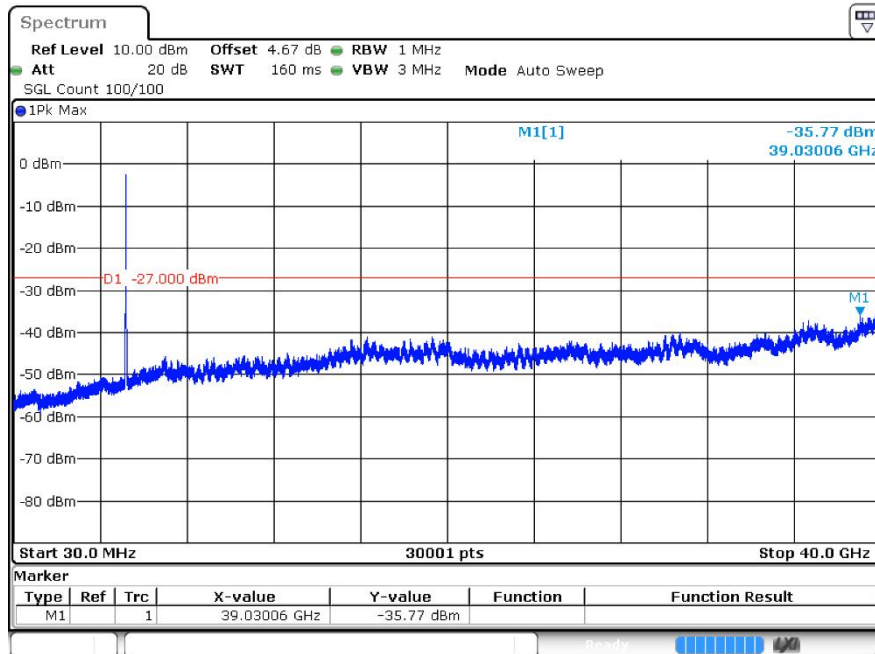
Tx. Spurious n20 5200MHz Ant1



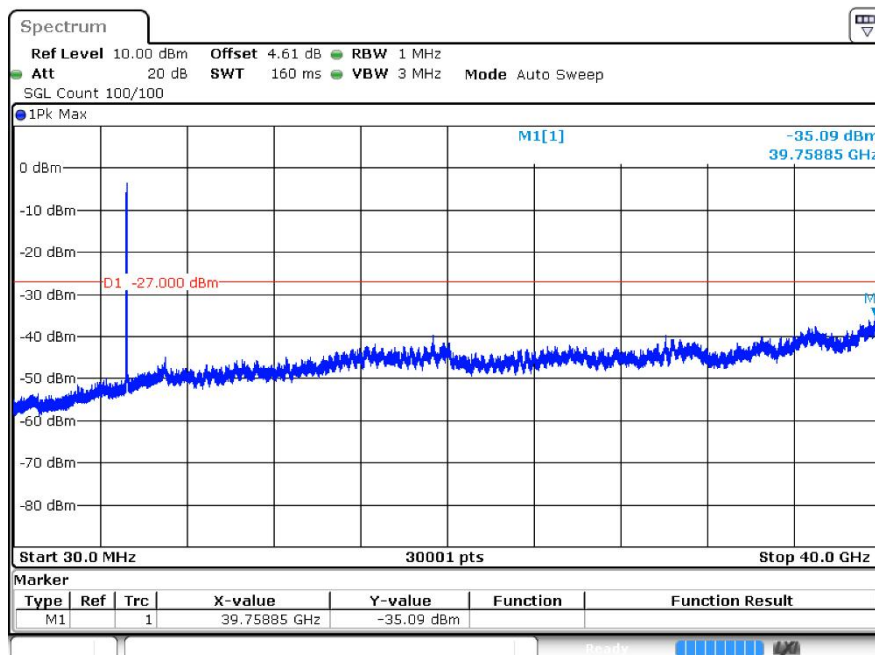
Tx. Spurious n20 5240MHz Ant1



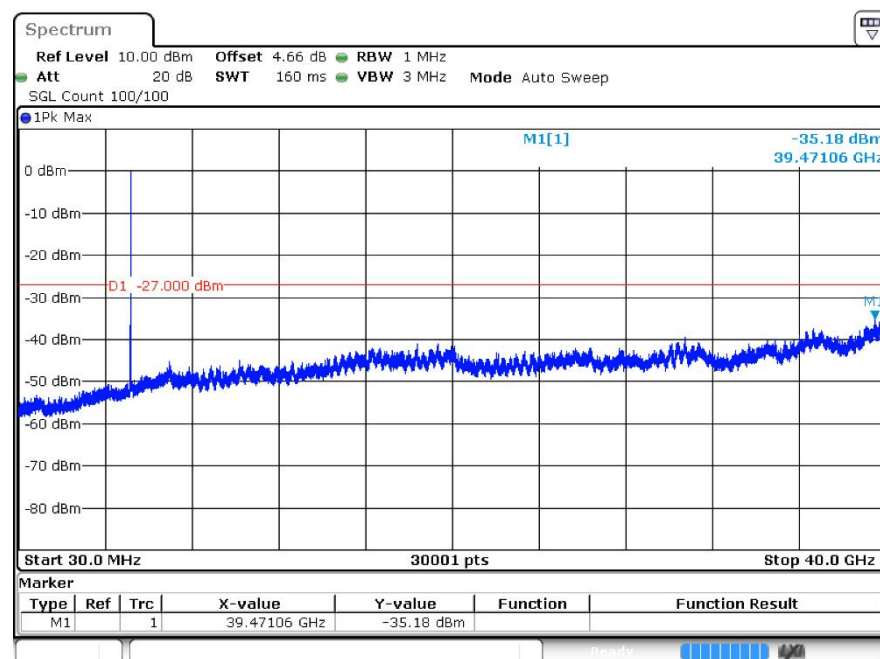
Tx. Spurious n40 5190MHz Ant1



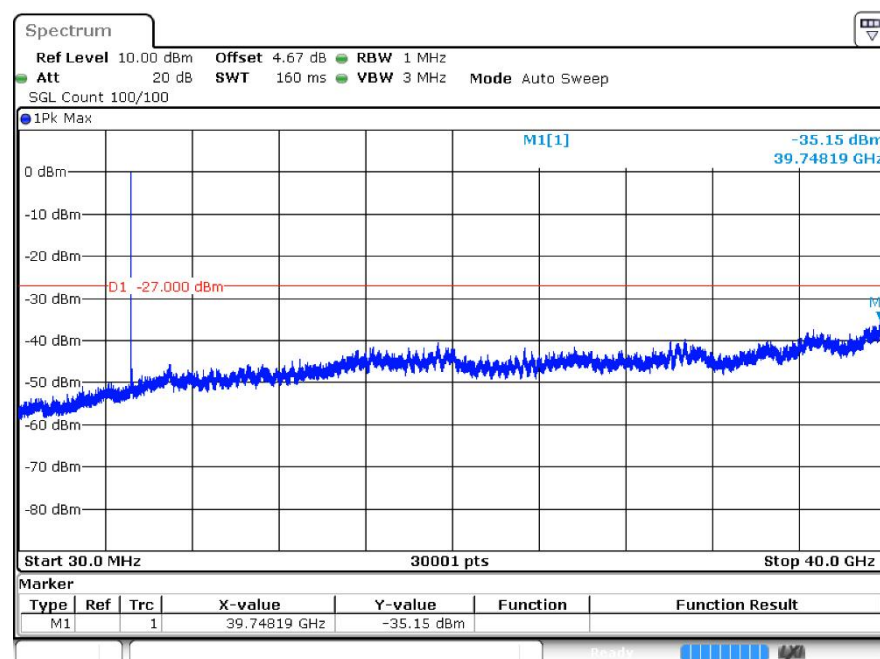
Tx. Spurious n40 5230MHz Ant1



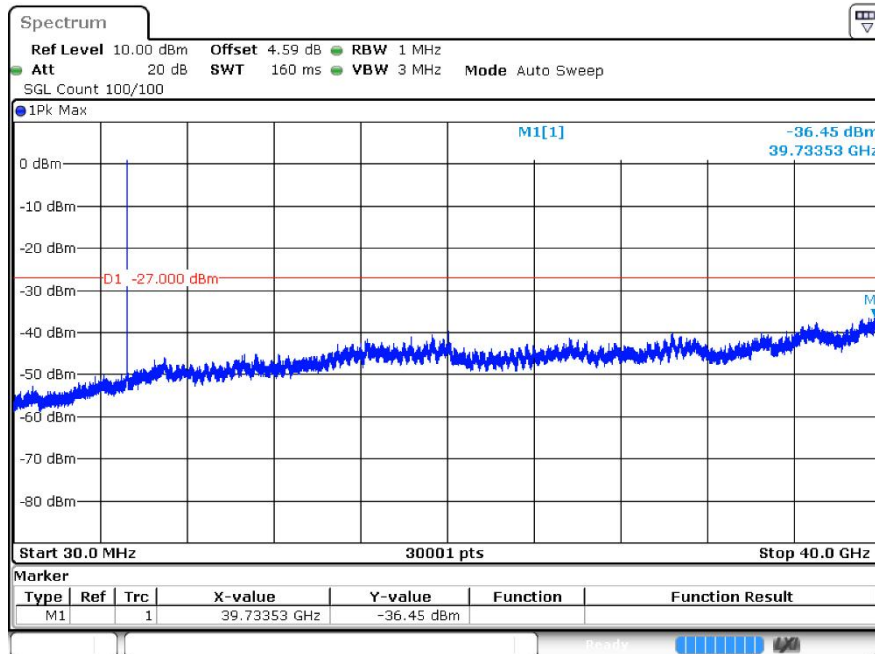
Tx. Spurious ac20 5180MHz Ant1



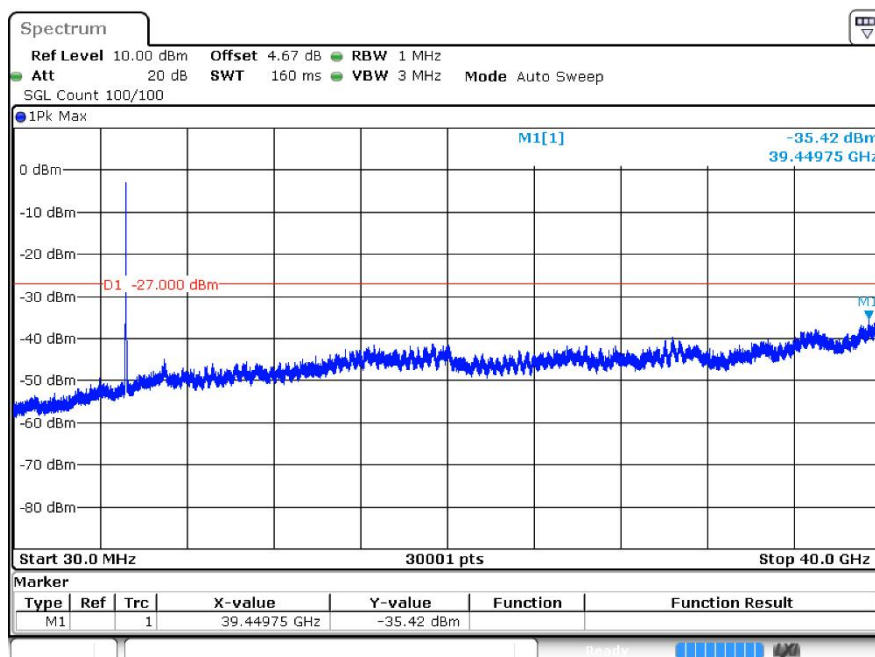
Tx. Spurious ac20 5200MHz Ant1



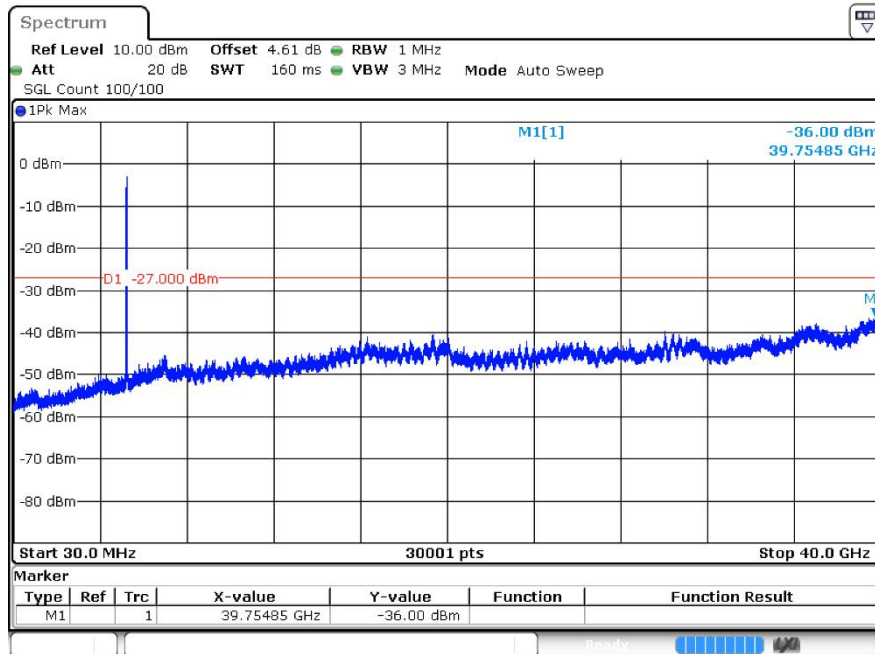
Tx. Spurious ac20 5240MHz Ant1



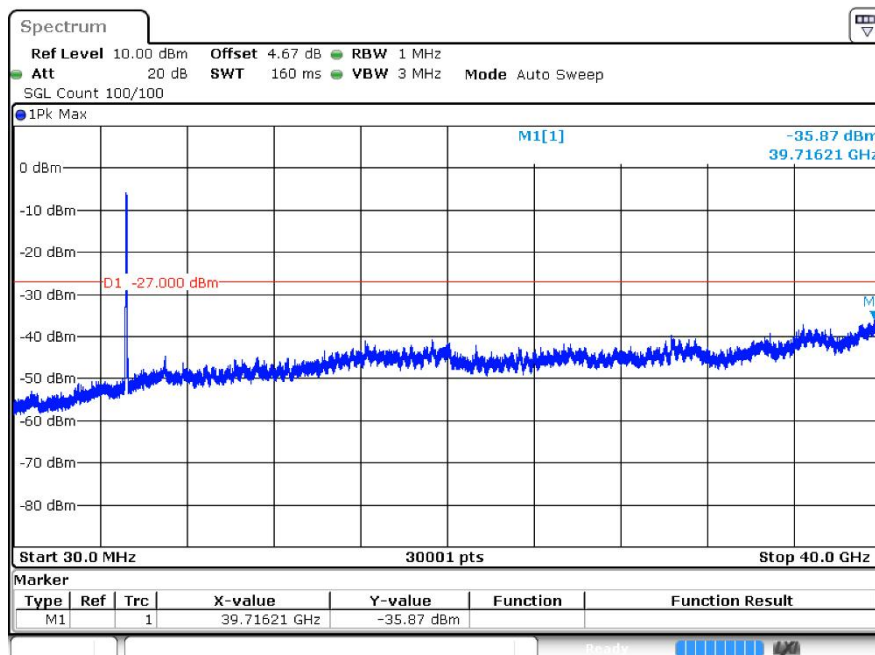
Tx. Spurious ac40 5190MHz Ant1



Tx. Spurious ac40 5230MHz Ant1



Tx. Spurious ac80 5210MHz Ant1





8 Restrict Band

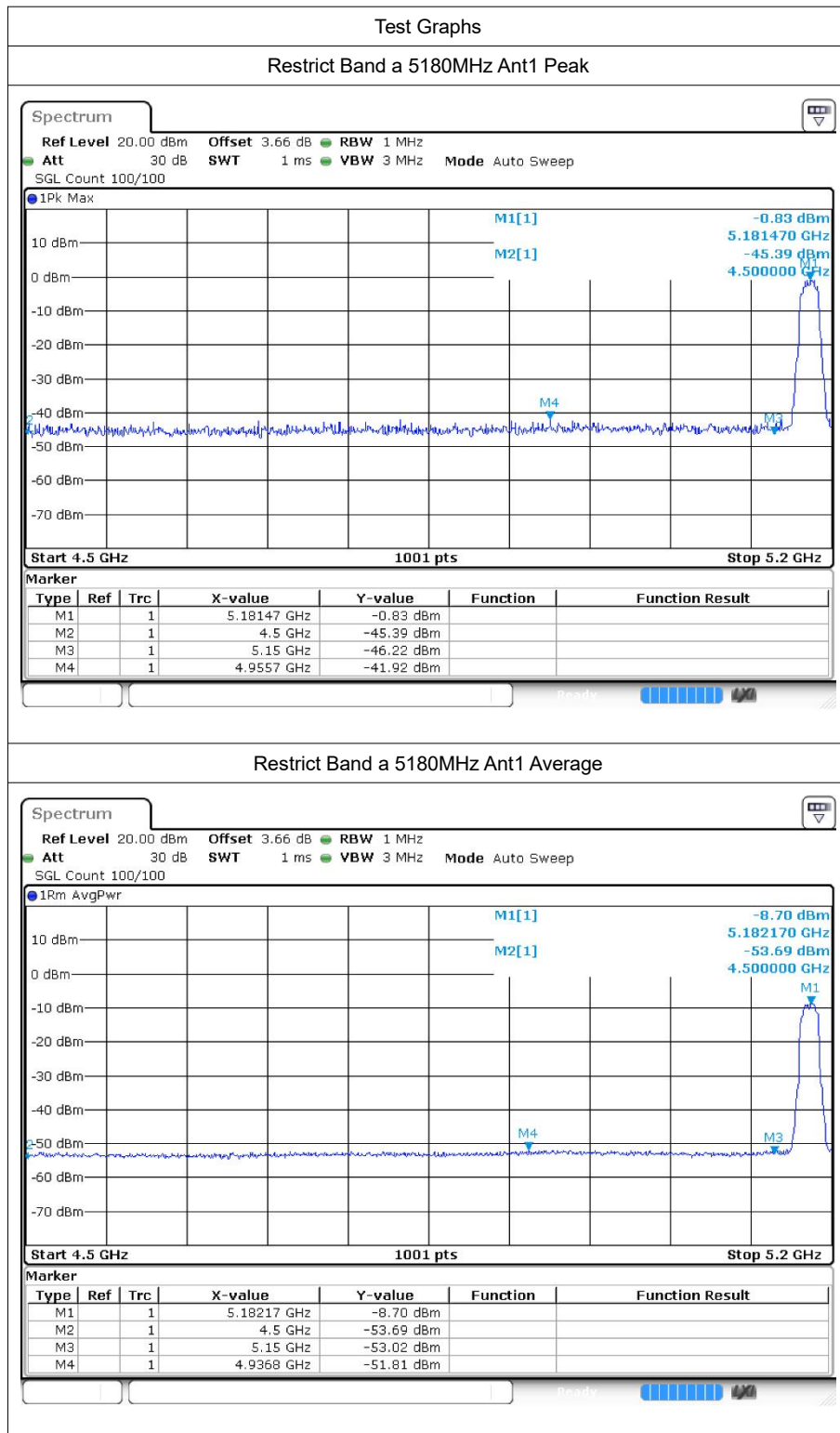
8.1 Test Result

Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
a	5180	Ant1	4500	-45.39	2	-	51.84	Peak	68.2	Pass
a	5180	Ant1	4500	-53.69	2	0.61	44.15	Average	54	Pass
a	5180	Ant1	4955.7	-41.92	2	-	55.31	Peak	68.2	Pass
a	5180	Ant1	4936.8	-51.81	2	0.61	46.03	Average	54	Pass
a	5180	Ant1	5150	-46.22	2	-	51.01	Peak	68.2	Pass
a	5180	Ant1	5150	-53.02	2	0.61	44.82	Average	54	Pass
a	5240	Ant1	5350	-46.35	2	-	50.88	Peak	68.2	Pass
a	5240	Ant1	5350	-52.8	2	0.62	45.05	Average	54	Pass
a	5240	Ant1	5448.48	-41.68	2	-	55.55	Peak	68.2	Pass
a	5240	Ant1	5450.64	-49.98	2	0.62	47.87	Average	54	Pass
a	5240	Ant1	5460	-46.54	2	-	50.69	Peak	68.2	Pass
a	5240	Ant1	5460	-51.86	2	0.62	45.99	Average	54	Pass
n20	5180	Ant1	4500	-46.38	2	-	50.85	Peak	68.2	Pass
n20	5180	Ant1	4500	-53.18	2	0.58	44.63	Average	54	Pass
n20	5180	Ant1	4973.2	-41.47	2	-	55.76	Peak	68.2	Pass
n20	5180	Ant1	4952.9	-51.84	2	0.58	45.97	Average	54	Pass
n20	5180	Ant1	5150	-45.04	2	-	52.19	Peak	68.2	Pass
n20	5180	Ant1	5150	-53.07	2	0.58	44.74	Average	54	Pass
n20	5240	Ant1	5350	-45.75	2	-	51.48	Peak	68.2	Pass
n20	5240	Ant1	5350	-52.76	2	0.58	45.05	Average	54	Pass
n20	5240	Ant1	5448.96	-41.8	2	-	55.43	Peak	68.2	Pass
n20	5240	Ant1	5449.2	-49.96	2	0.58	47.85	Average	54	Pass
n20	5240	Ant1	5460	-45.46	2	-	51.77	Peak	68.2	Pass
n20	5240	Ant1	5460	-52.46	2	0.58	45.35	Average	54	Pass
n40	5190	Ant1	4500	-46.51	2	-	50.72	Peak	68.2	Pass
n40	5190	Ant1	4500	-53.35	2	0.56	44.44	Average	54	Pass
n40	5190	Ant1	4573	-42.5	2	-	54.73	Peak	68.2	Pass
n40	5190	Ant1	4985.45	-51.9	2	0.56	45.89	Average	54	Pass
n40	5190	Ant1	5150	-45.5	2	-	51.73	Peak	68.2	Pass
n40	5190	Ant1	5150	-52.8	2	0.56	44.99	Average	54	Pass
n40	5230	Ant1	5350	-46.28	2	-	50.95	Peak	68.2	Pass
n40	5230	Ant1	5350	-52.28	2	0.55	45.5	Average	54	Pass
n40	5230	Ant1	5457.3	-42.55	2	-	54.68	Peak	68.2	Pass
n40	5230	Ant1	5447.58	-50.05	2	0.55	47.73	Average	54	Pass
n40	5230	Ant1	5460	-45.74	2	-	51.49	Peak	68.2	Pass

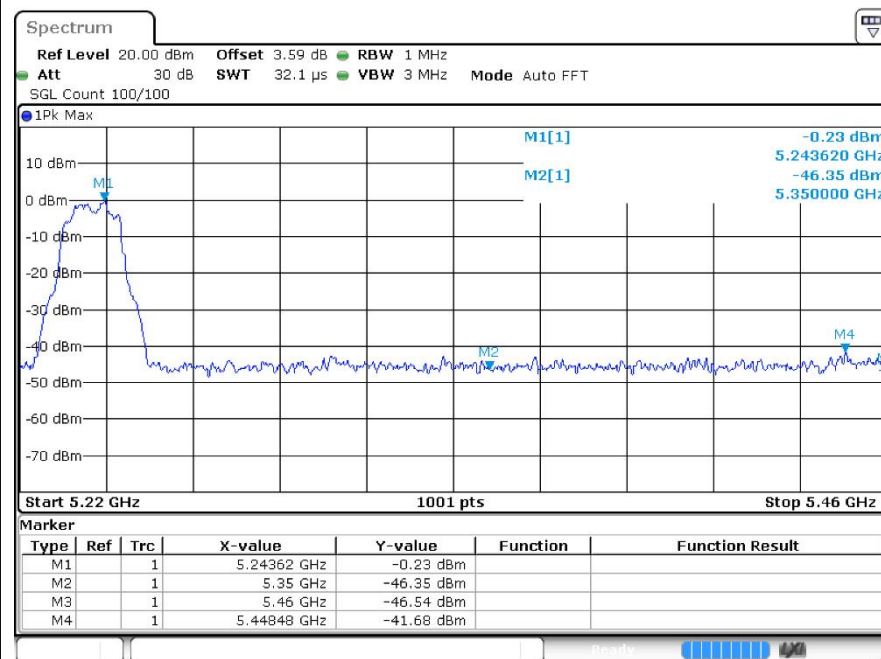


n40	5230	Ant1	5460	-52.15	2	0.55	45.63	Average	54	Pass
ac20	5180	Ant1	4500	-45.39	2	-	51.84	Peak	68.2	Pass
ac20	5180	Ant1	4500	-53.27	2	0.58	44.54	Average	54	Pass
ac20	5180	Ant1	5125.1	-41.92	2	-	55.31	Peak	68.2	Pass
ac20	5180	Ant1	4980.2	-51.91	2	0.58	45.9	Average	54	Pass
ac20	5180	Ant1	5150	-44.45	2	-	52.78	Peak	68.2	Pass
ac20	5180	Ant1	5150	-52.84	2	0.58	44.97	Average	54	Pass
ac20	5240	Ant1	5350	-46.04	2	-	51.19	Peak	68.2	Pass
ac20	5240	Ant1	5350	-52.86	2	0.58	44.95	Average	54	Pass
ac20	5240	Ant1	5401.92	-41.56	2	-	55.67	Peak	68.2	Pass
ac20	5240	Ant1	5450.16	-50.54	2	0.58	47.27	Average	54	Pass
ac20	5240	Ant1	5460	-44.83	2	-	52.4	Peak	68.2	Pass
ac20	5240	Ant1	5460	-52.85	2	0.58	44.96	Average	54	Pass
ac40	5190	Ant1	4500	-44.53	2	-	52.7	Peak	68.2	Pass
ac40	5190	Ant1	4500	-53.56	2	0.61	44.28	Average	54	Pass
ac40	5190	Ant1	5001.51	-42.44	2	-	54.79	Peak	68.2	Pass
ac40	5190	Ant1	5004.43	-52.02	2	0.61	45.82	Average	54	Pass
ac40	5190	Ant1	5150	-43.08	2	-	54.15	Peak	68.2	Pass
ac40	5190	Ant1	5150	-52.82	2	0.61	45.02	Average	54	Pass
ac40	5230	Ant1	5350	-43.6	2	-	53.63	Peak	68.2	Pass
ac40	5230	Ant1	5350	-51.88	2	0.6	45.95	Average	54	Pass
ac40	5230	Ant1	5447.58	-41.69	2	-	55.54	Peak	68.2	Pass
ac40	5230	Ant1	5448.66	-50.03	2	0.6	47.8	Average	54	Pass
ac40	5230	Ant1	5460	-45.27	2	-	51.96	Peak	68.2	Pass
ac40	5230	Ant1	5460	-53.07	2	0.6	44.76	Average	54	Pass
ac80	5210	Ant1	4500	-45.07	2	-	52.16	Peak	68.2	Pass
ac80	5210	Ant1	4500	-53.51	2	0.71	44.43	Average	54	Pass
ac80	5210	Ant1	5040.36	-41.6	2	-	55.63	Peak	68.2	Pass
ac80	5210	Ant1	4958.2	-51.96	2	0.71	45.98	Average	54	Pass
ac80	5210	Ant1	5150	-44.92	2	-	52.31	Peak	68.2	Pass
ac80	5210	Ant1	5150	-52.44	2	0.71	45.5	Average	54	Pass

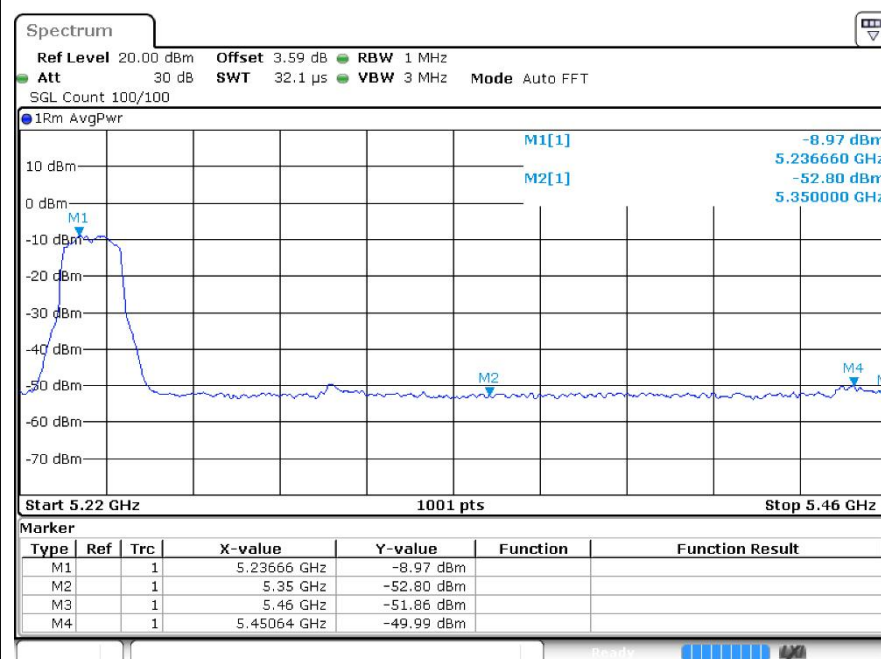
8.2 Test Graphs



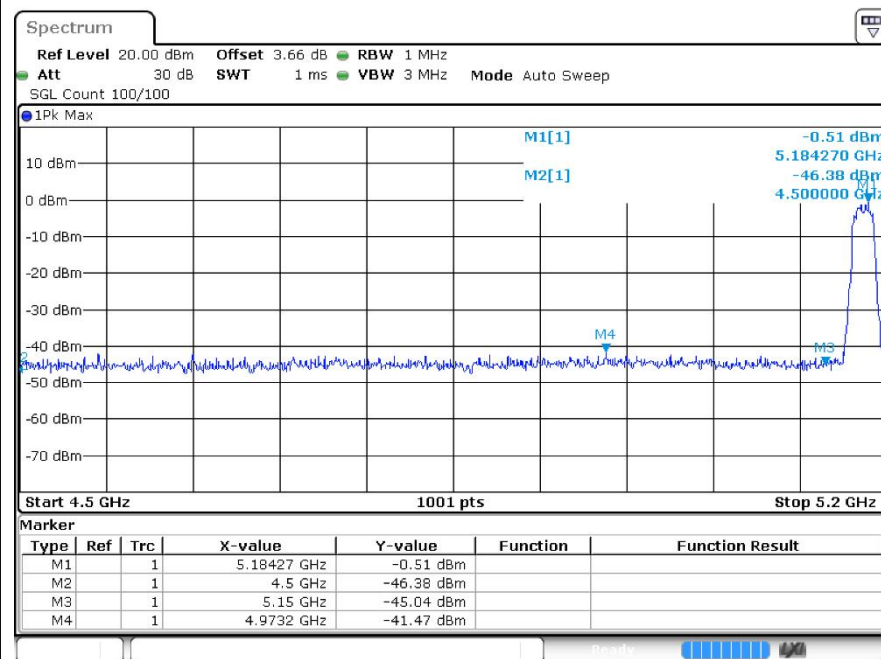
Restrict Band a 5240MHz Ant1 Peak



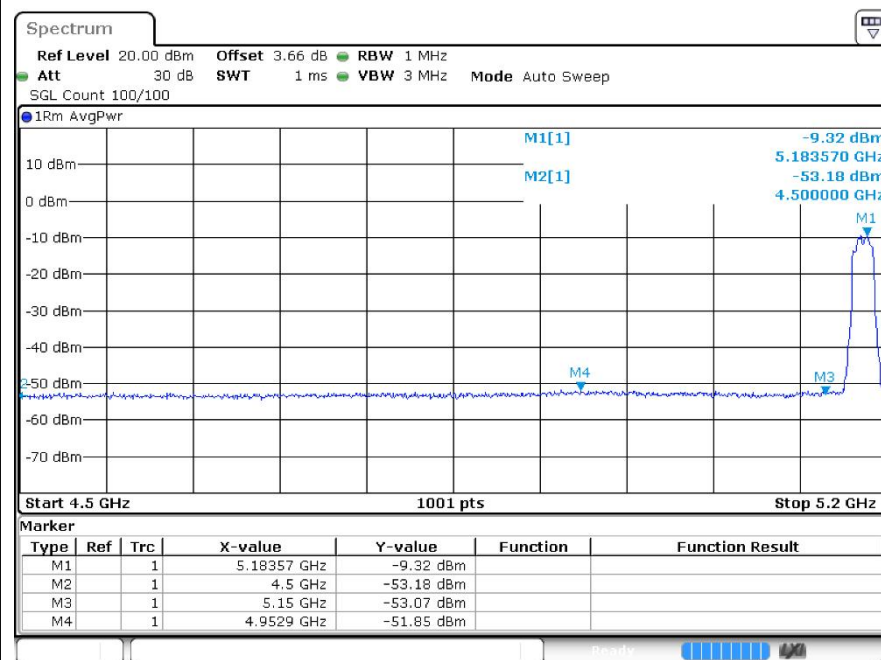
Restrict Band a 5240MHz Ant1 Average



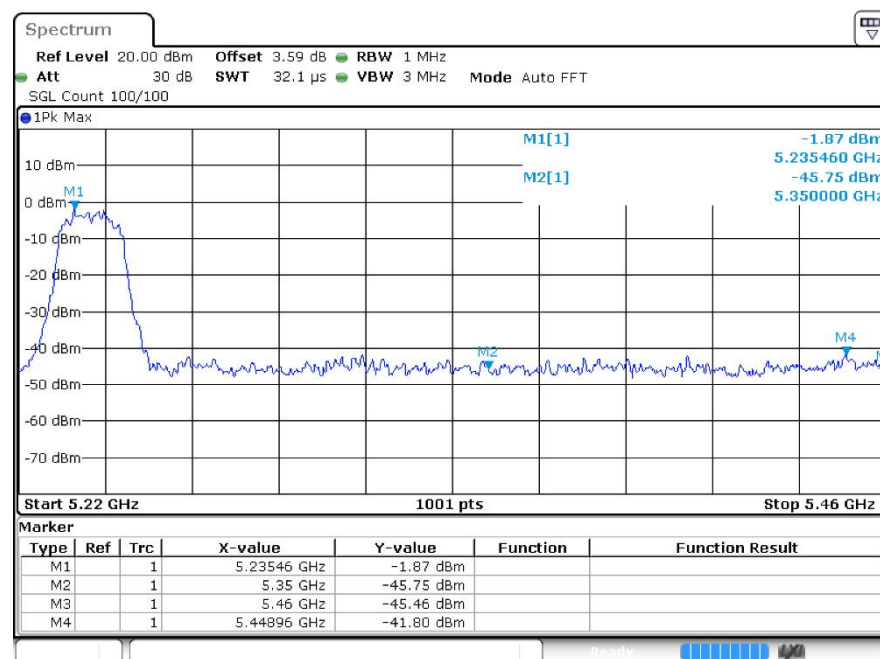
Restrict Band n20 5180MHz Ant1 Peak



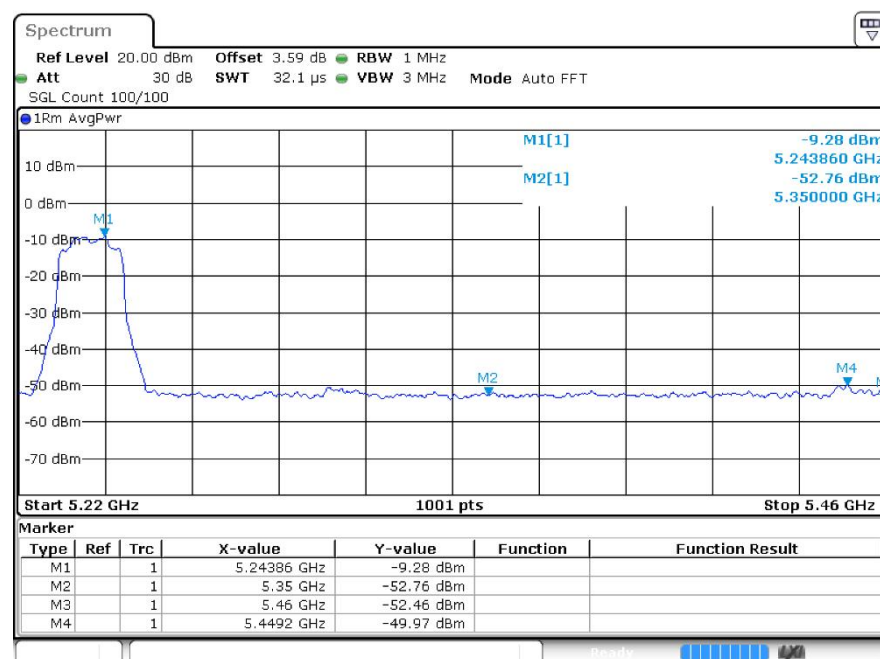
Restrict Band n20 5180MHz Ant1 Average



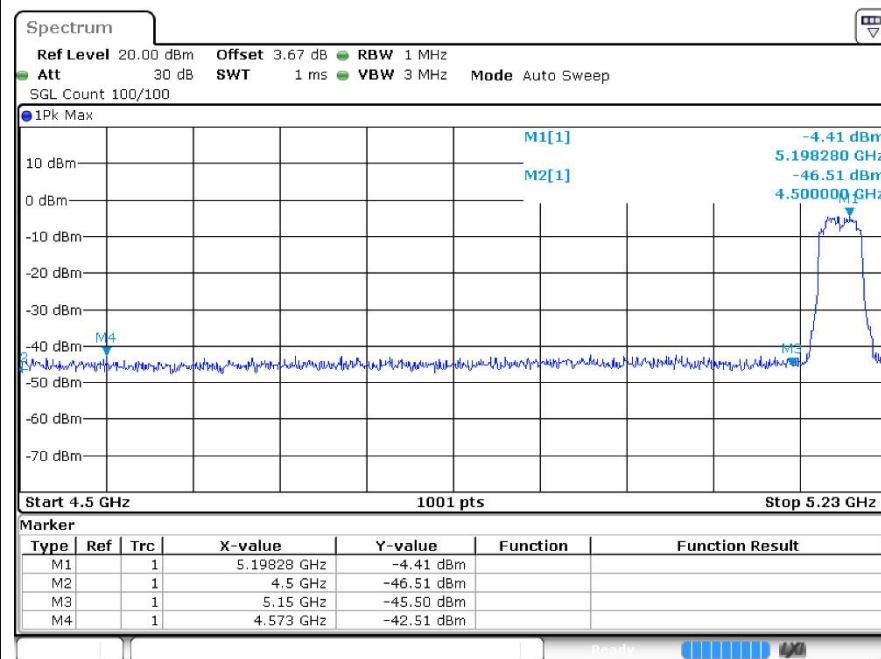
Restrict Band n20 5240MHz Ant1 Peak



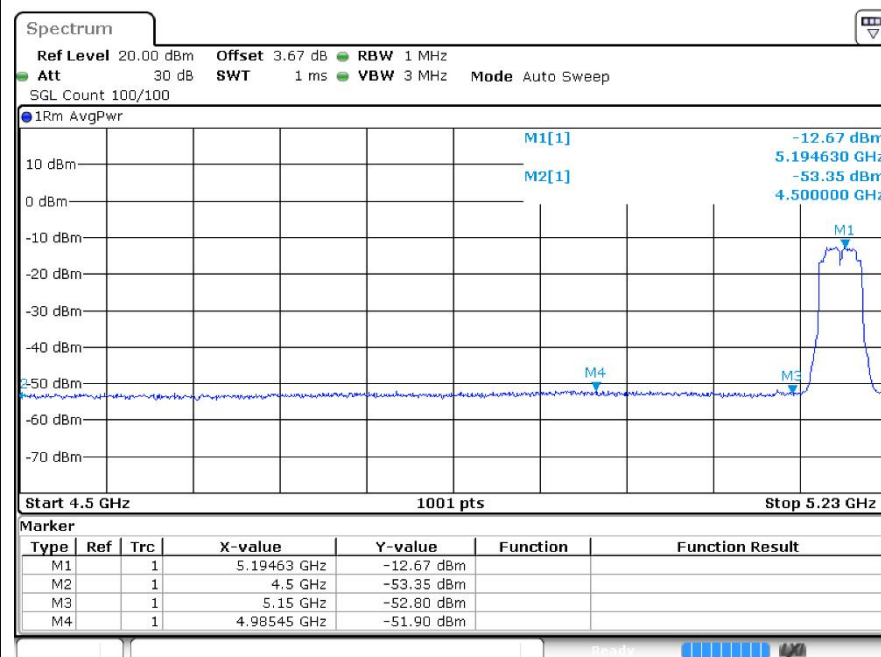
Restrict Band n20 5240MHz Ant1 Average



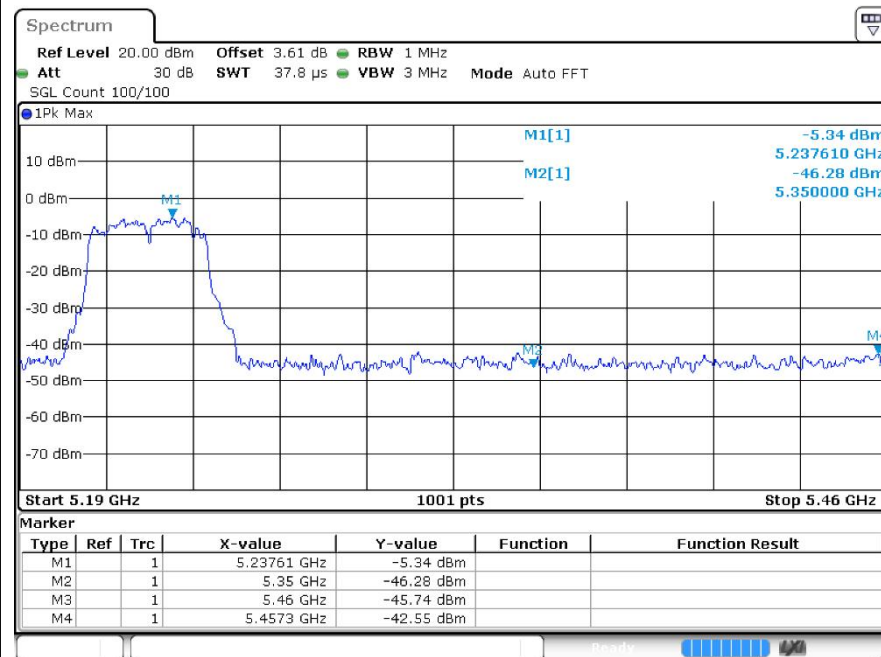
Restrict Band n40 5190MHz Ant1 Peak



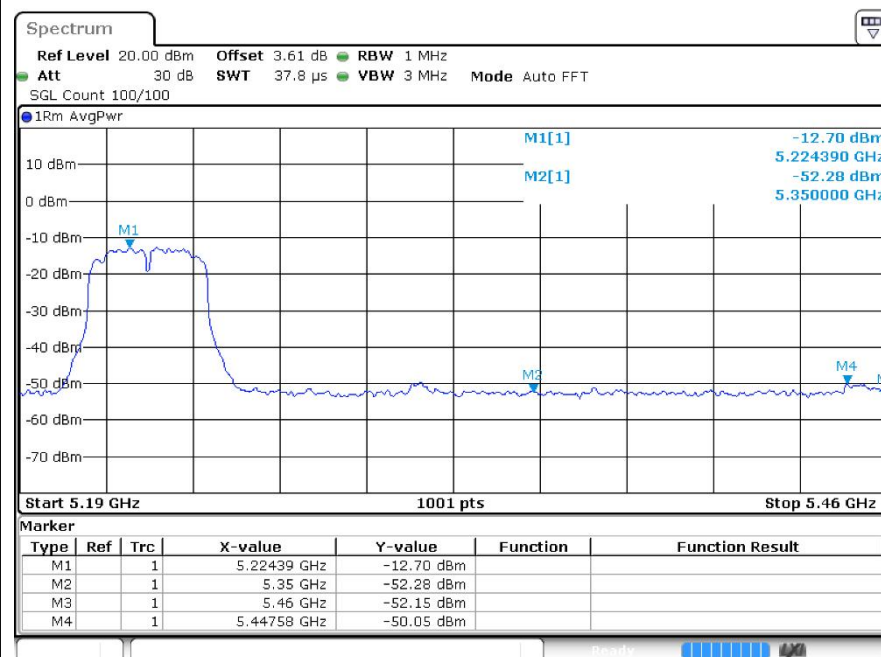
Restrict Band n40 5190MHz Ant1 Average



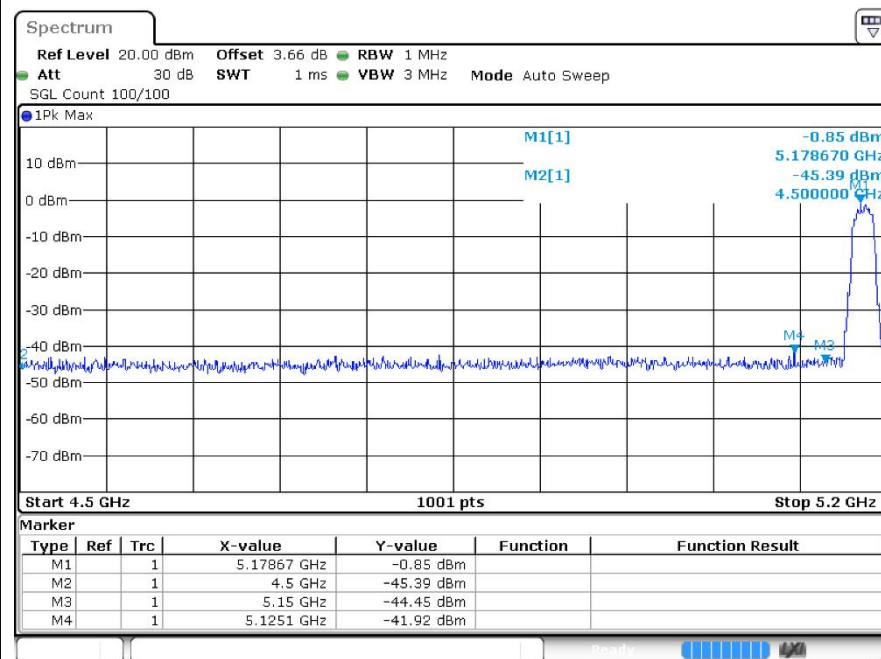
Restrict Band n40 5230MHz Ant1 Peak



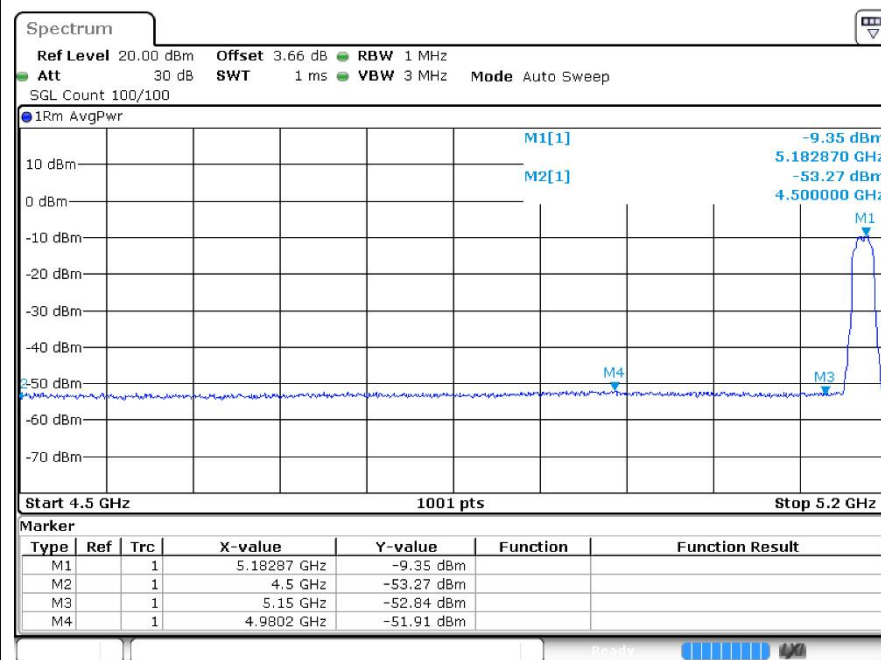
Restrict Band n40 5230MHz Ant1 Average



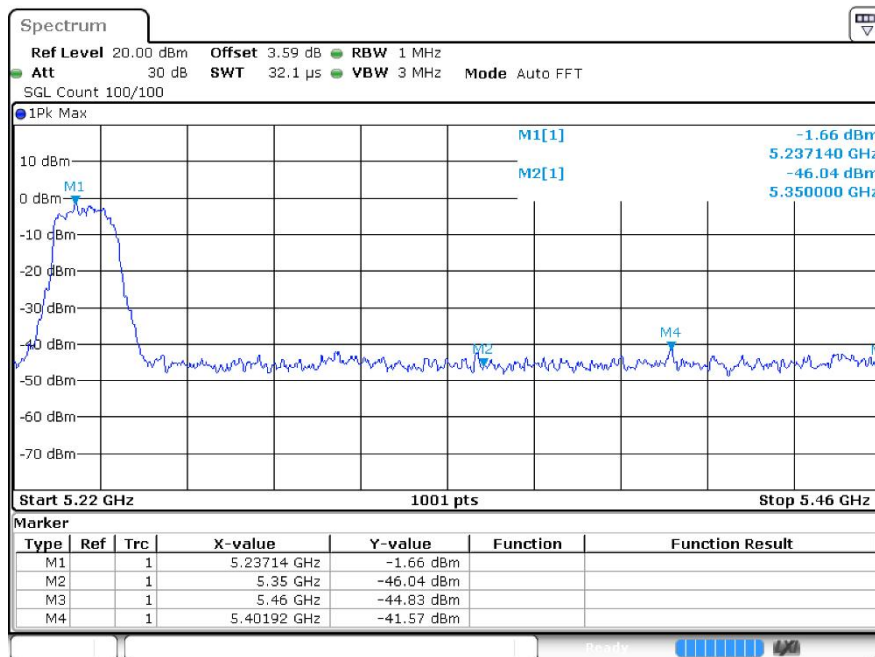
Restrict Band ac20 5180MHz Ant1 Peak



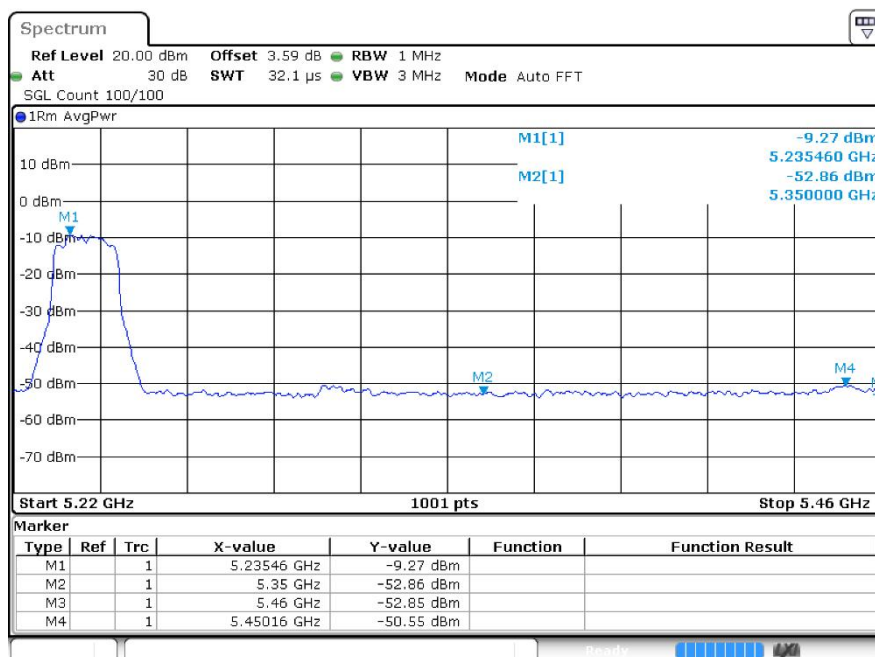
Restrict Band ac20 5180MHz Ant1 Average



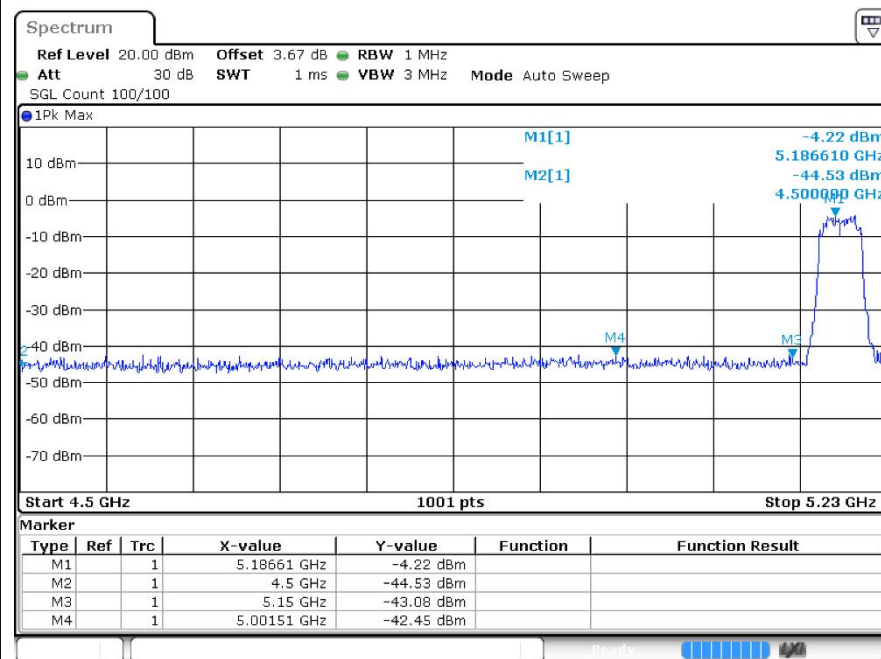
Restrict Band ac20 5240MHz Ant1 Peak



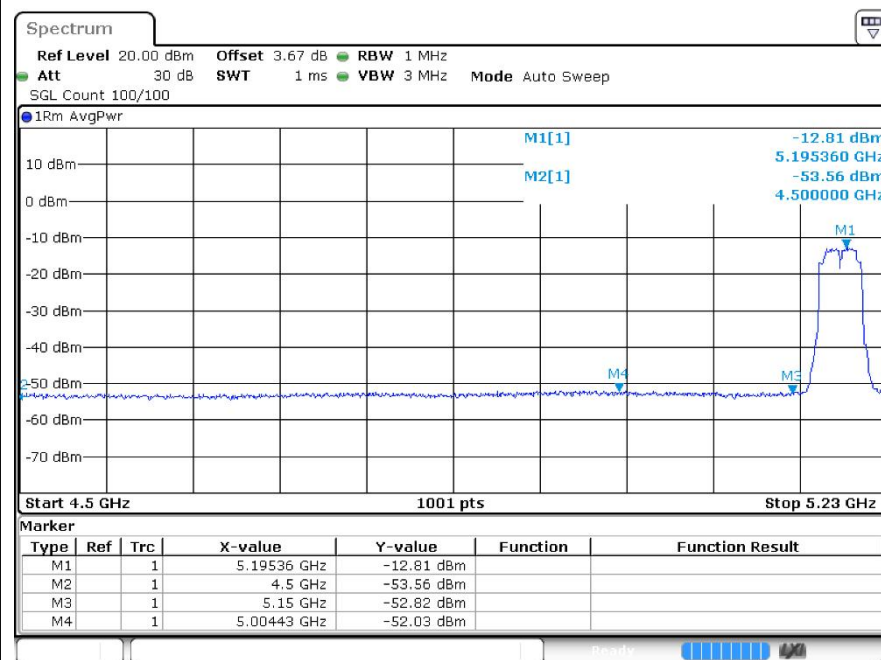
Restrict Band ac20 5240MHz Ant1 Average



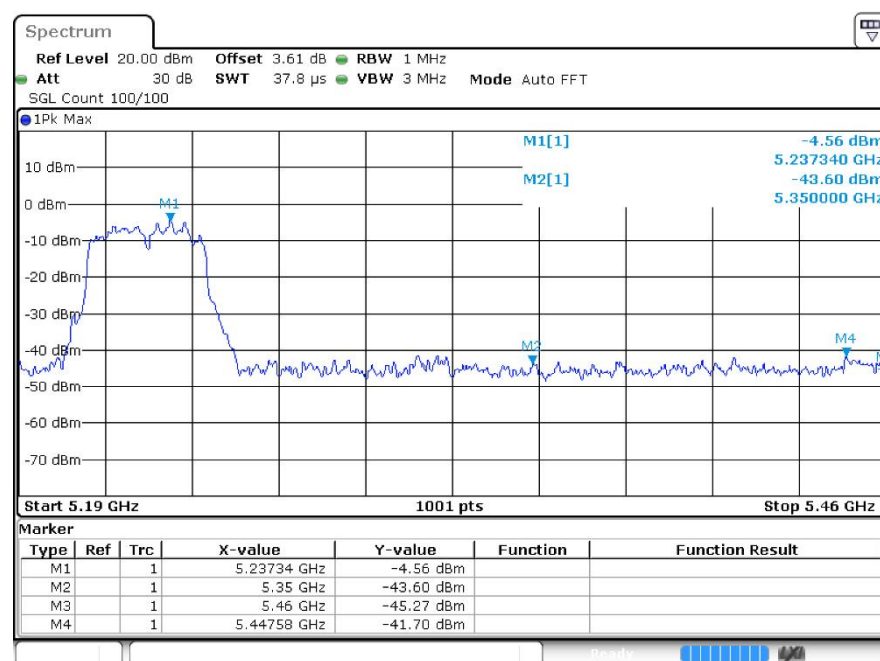
Restrict Band ac40 5190MHz Ant1 Peak



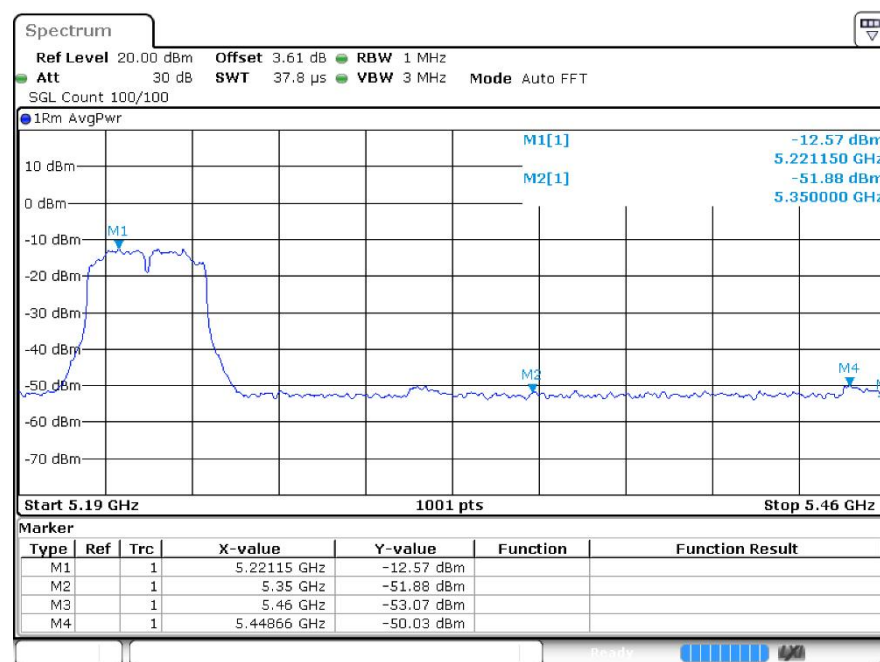
Restrict Band ac40 5190MHz Ant1 Average



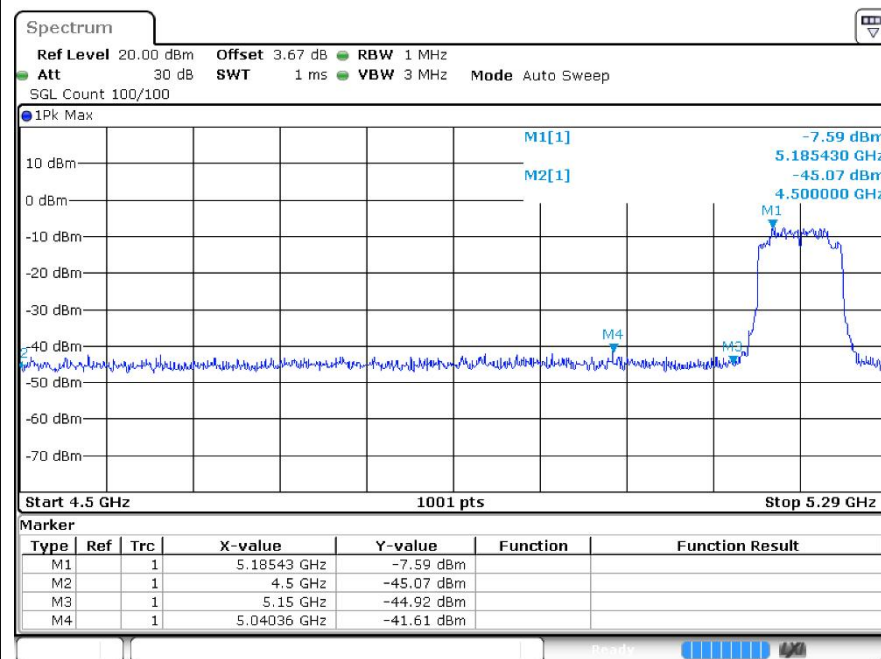
Restrict Band ac40 5230MHz Ant1 Peak



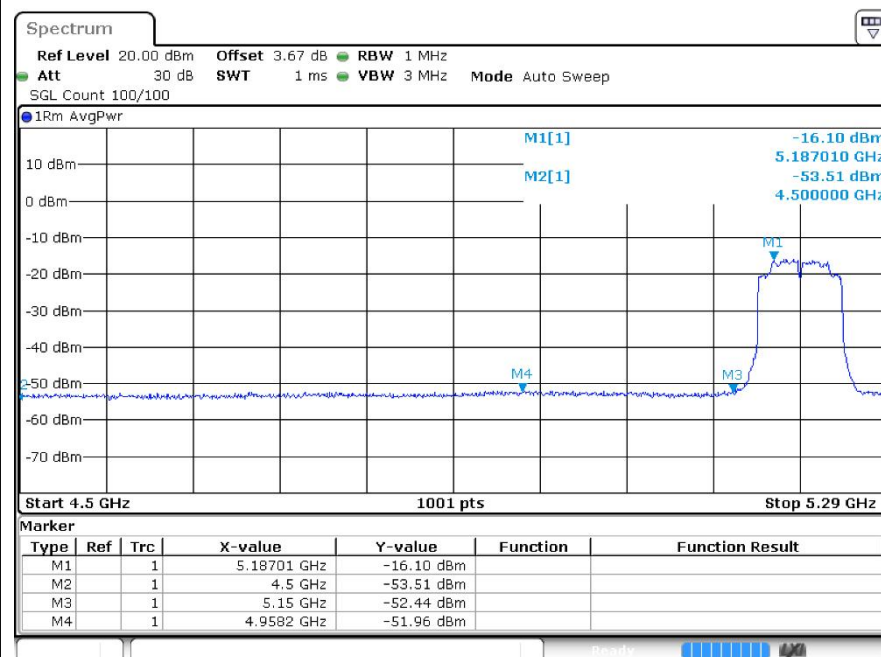
Restrict Band ac40 5230MHz Ant1 Average



Restrict Band ac80 5210MHz Ant1 Peak



Restrict Band ac80 5210MHz Ant1 Average



---The End---