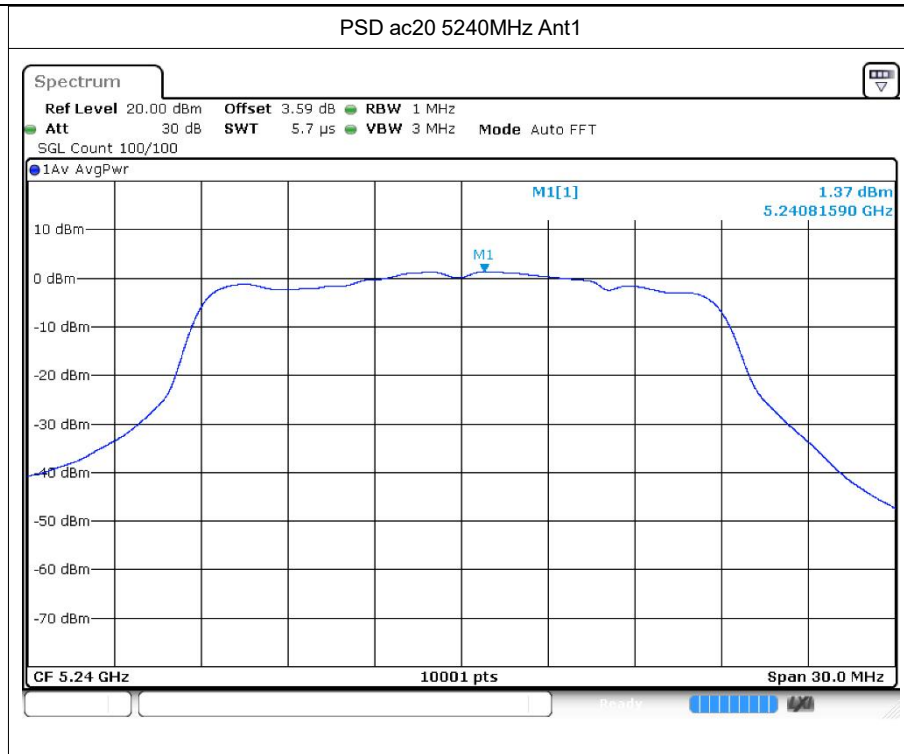
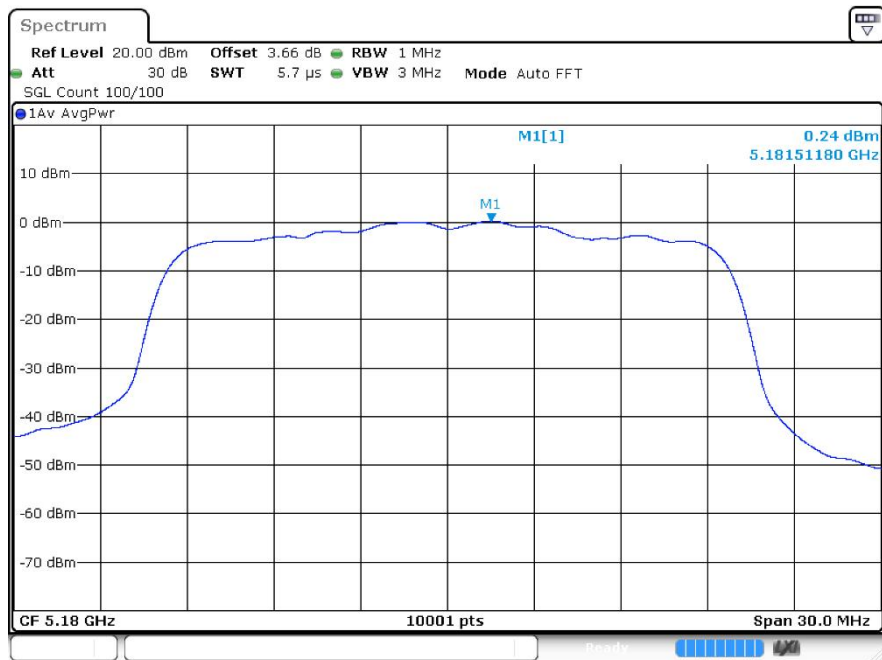
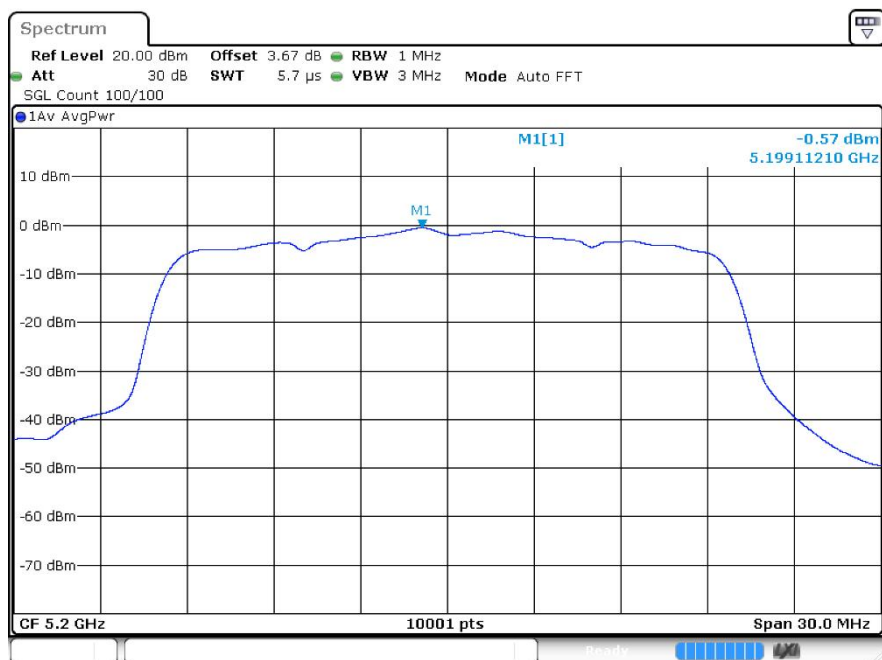


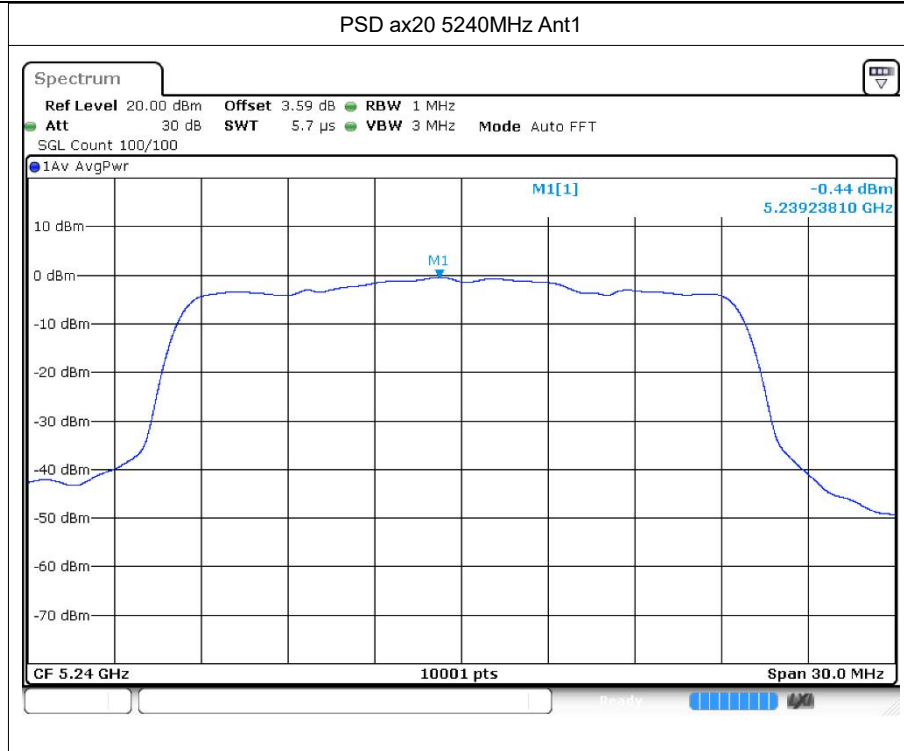


PSD ax20 5180MHz Ant1



PSD ax20 5200MHz 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	5180	0	0	25	Pass
20C 120V	a	5180	Ant1	5180.02	20000	3.86	25	Pass
20C 138V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-20C 120V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-10C 120V	a	5180	Ant1	5180.02	20000	3.86	25	Pass
0C 120V	a	5180	Ant1	5180	0	0	25	Pass
10C 120V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
30C 120V	a	5180	Ant1	5180.02	20000	3.86	25	Pass
40C 120V	a	5180	Ant1	5180.02	20000	3.86	25	Pass
50C 120V	a	5180	Ant1	5180.02	20000	3.86	25	Pass
20C 102V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 120V	a	5200	Ant1	5200	0	0	25	Pass
20C 138V	a	5200	Ant1	5200	0	0	25	Pass
-20C 120V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
-10C 120V	a	5200	Ant1	5200	0	0	25	Pass
0C 120V	a	5200	Ant1	5200	0	0	25	Pass
10C 120V	a	5200	Ant1	5200.02	20000	3.85	25	Pass
30C 120V	a	5200	Ant1	5200.02	20000	3.85	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	5240	0	0	25	Pass
20C 120V	a	5240	Ant1	5240	0	0	25	Pass
20C 138V	a	5240	Ant1	5240	0	0	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	5240.02	20000	3.82	25	Pass
10C 120V	a	5240	Ant1	5240.02	20000	3.82	25	Pass
30C 120V	a	5240	Ant1	5240.02	20000	3.82	25	Pass
40C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
50C 120V	a	5240	Ant1	5240	0	0	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	5180	0	0	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	5180	0	0	25	Pass
30C 120V	n20	5180	Ant1	5180.02	20000	3.86	25	Pass
40C 120V	n20	5180	Ant1	5180	0	0	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	5200	0	0	25	Pass
20C 138V	n20	5200	Ant1	5200.02	20000	3.85	25	Pass
-20C 120V	n20	5200	Ant1	5200	0	0	25	Pass
-10C 120V	n20	5200	Ant1	5200.02	20000	3.85	25	Pass
0C 120V	n20	5200	Ant1	5200.02	20000	3.85	25	Pass
10C 120V	n20	5200	Ant1	5200	0	0	25	Pass
30C 120V	n20	5200	Ant1	5200	0	0	25	Pass
40C 120V	n20	5200	Ant1	5200.02	20000	3.85	25	Pass
50C 120V	n20	5200	Ant1	5200	0	0	25	Pass
20C 102V	n20	5240	Ant1	5240.02	20000	3.82	25	Pass
20C 120V	n20	5240	Ant1	5240	0	0	25	Pass
20C 138V	n20	5240	Ant1	5240	0	0	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	5240	0	0	25	Pass
10C 120V	n20	5240	Ant1	5240	0	0	25	Pass
30C 120V	n20	5240	Ant1	5240	0	0	25	Pass
40C 120V	n20	5240	Ant1	5240.02	20000	3.82	25	Pass
50C 120V	n20	5240	Ant1	5240	0	0	25	Pass
20C 102V	n40	5190	Ant1	5190	0	0	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	5190	0	0	25	Pass
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10C 120V	n40	5190	Ant1	5190	0	0	25	Pass
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40C 120V	n40	5190	Ant1	5190	0	0	25	Pass
50C 120V	n40	5190	Ant1	5190	0	0	25	Pass
20C 102V	n40	5230	Ant1	5230	0	0	25	Pass
20C 120V	n40	5230	Ant1	5230	0	0	25	Pass
20C 138V	n40	5230	Ant1	5230	0	0	25	Pass
-20C 120V	n40	5230	Ant1	5230	0	0	25	Pass
-10C 120V	n40	5230	Ant1	5230	0	0	25	Pass
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10C 120V	n40	5230	Ant1	5230	0	0	25	Pass
30C 120V	n40	5230	Ant1	5230	0	0	25	Pass
40C 120V	n40	5230	Ant1	5230	0	0	25	Pass



50C 120V	n40	5230	Ant1	5230	0	0	25	Pass
20C 102V	ac20	5180	Ant1	5180	0	0	25	Pass
20C 120V	ac20	5180	Ant1	5180	0	0	25	Pass
20C 138V	ac20	5180	Ant1	5180.02	20000	3.86	25	Pass
-20C 120V	ac20	5180	Ant1	5180	0	0	25	Pass
-10C 120V	ac20	5180	Ant1	5180	0	0	25	Pass
0C 120V	ac20	5180	Ant1	5180	0	0	25	Pass
10C 120V	ac20	5180	Ant1	5180	0	0	25	Pass
30C 120V	ac20	5180	Ant1	5180	0	0	25	Pass
40C 120V	ac20	5180	Ant1	5180	0	0	25	Pass
50C 120V	ac20	5180	Ant1	5180	0	0	25	Pass
20C 102V	ac20	5200	Ant1	5200	0	0	25	Pass
20C 120V	ac20	5200	Ant1	5200.02	20000	3.85	25	Pass
20C 138V	ac20	5200	Ant1	5200	0	0	25	Pass
-20C 120V	ac20	5200	Ant1	5200	0	0	25	Pass
-10C 120V	ac20	5200	Ant1	5200	0	0	25	Pass
0C 120V	ac20	5200	Ant1	5200.02	20000	3.85	25	Pass
10C 120V	ac20	5200	Ant1	5200	0	0	25	Pass
30C 120V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
40C 120V	ac20	5200	Ant1	5200	0	0	25	Pass
50C 120V	ac20	5200	Ant1	5200	0	0	25	Pass
20C 102V	ac20	5240	Ant1	5240	0	0	25	Pass
20C 120V	ac20	5240	Ant1	5240	0	0	25	Pass
20C 138V	ac20	5240	Ant1	5240	0	0	25	Pass
-20C 120V	ac20	5240	Ant1	5240	0	0	25	Pass
-10C 120V	ac20	5240	Ant1	5240	0	0	25	Pass
0C 120V	ac20	5240	Ant1	5240	0	0	25	Pass
10C 120V	ac20	5240	Ant1	5240.02	20000	3.82	25	Pass
30C 120V	ac20	5240	Ant1	5240	0	0	25	Pass
40C 120V	ac20	5240	Ant1	5240	0	0	25	Pass
50C 120V	ac20	5240	Ant1	5240	0	0	25	Pass
20C 102V	ax20	5180	Ant1	5180	0	0	25	Pass
20C 120V	ax20	5180	Ant1	5180	0	0	25	Pass
20C 138V	ax20	5180	Ant1	5180	0	0	25	Pass
-20C 120V	ax20	5180	Ant1	5180.02	20000	3.86	25	Pass
-10C 120V	ax20	5180	Ant1	5180	0	0	25	Pass
0C 120V	ax20	5180	Ant1	5180	0	0	25	Pass
10C 120V	ax20	5180	Ant1	5180	0	0	25	Pass
30C 120V	ax20	5180	Ant1	5180	0	0	25	Pass
40C 120V	ax20	5180	Ant1	5180	0	0	25	Pass
50C 120V	ax20	5180	Ant1	5180	0	0	25	Pass
20C 102V	ax20	5200	Ant1	5200	0	0	25	Pass
20C 120V	ax20	5200	Ant1	5200	0	0	25	Pass



20C 138V	ax20	5200	Ant1	5200	0	0	25	Pass
-20C 120V	ax20	5200	Ant1	5200	0	0	25	Pass
-10C 120V	ax20	5200	Ant1	5200	0	0	25	Pass
0C 120V	ax20	5200	Ant1	5200	0	0	25	Pass
10C 120V	ax20	5200	Ant1	5200	0	0	25	Pass
30C 120V	ax20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
40C 120V	ax20	5200	Ant1	5200	0	0	25	Pass
50C 120V	ax20	5200	Ant1	5200	0	0	25	Pass
20C 102V	ax20	5240	Ant1	5240	0	0	25	Pass
20C 120V	ax20	5240	Ant1	5240	0	0	25	Pass
20C 138V	ax20	5240	Ant1	5240	0	0	25	Pass
-20C 120V	ax20	5240	Ant1	5240	0	0	25	Pass
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0C 120V	ax20	5240	Ant1	5240	0	0	25	Pass
10C 120V	ax20	5240	Ant1	5240	0	0	25	Pass
30C 120V	ax20	5240	Ant1	5240	0	0	25	Pass
40C 120V	ax20	5240	Ant1	5240.02	20000	3.82	25	Pass
50C 120V	ax20	5240	Ant1	5240	0	0	25	Pass

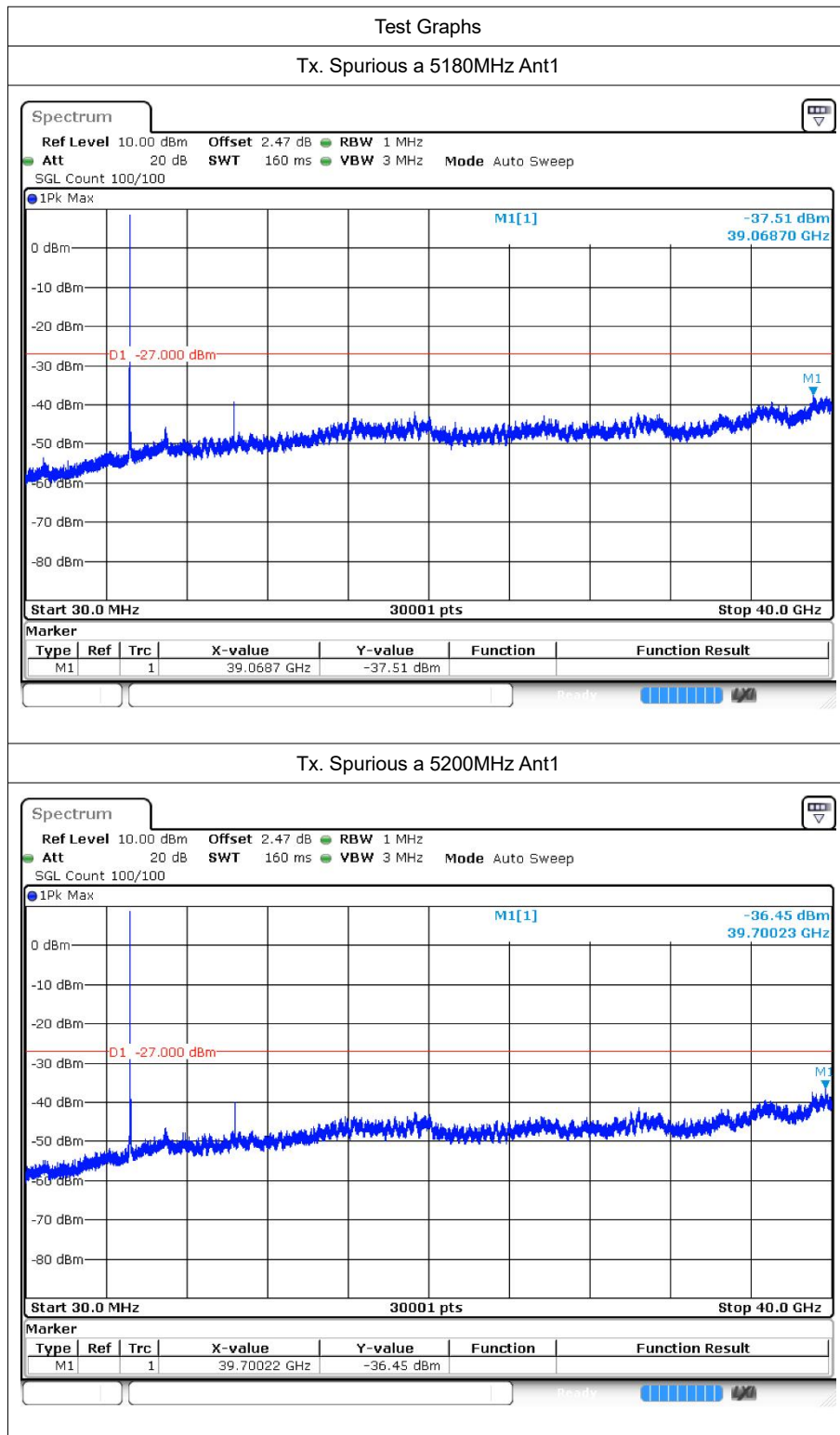


7 Conducted RF Spurious Emission

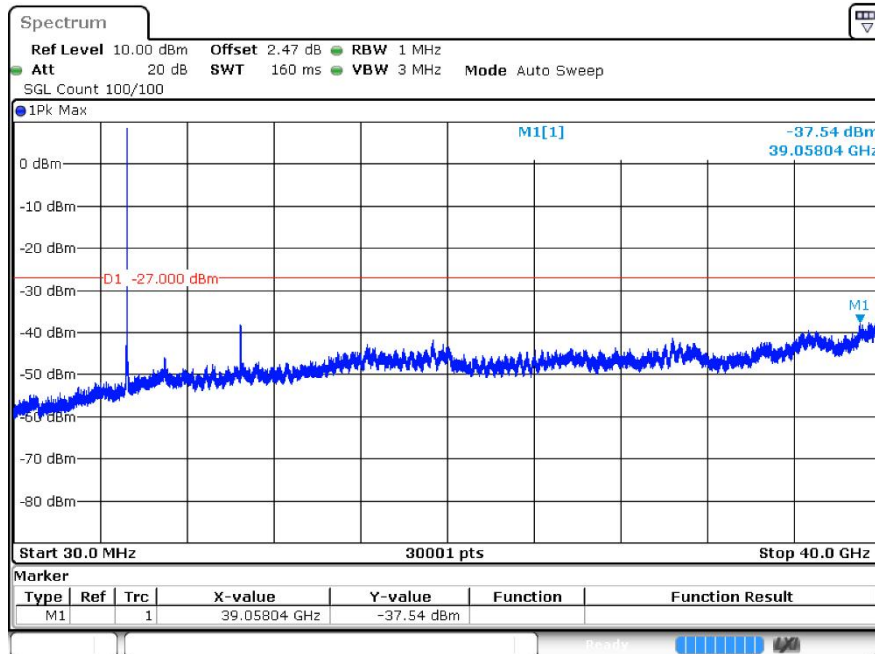
7.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
a	5180	Ant1	-37.5	-27	Pass
a	5200	Ant1	-36.45	-27	Pass
a	5240	Ant1	-37.53	-27	Pass
n20	5180	Ant1	-37.42	-27	Pass
n20	5200	Ant1	-37.39	-27	Pass
n20	5240	Ant1	-37.42	-27	Pass
n40	5190	Ant1	-37.85	-27	Pass
n40	5230	Ant1	-37.47	-27	Pass
ac20	5180	Ant1	-37.1	-27	Pass
ac20	5200	Ant1	-37.36	-27	Pass
ac20	5240	Ant1	-37.51	-27	Pass
ax20	5180	Ant1	-36.89	-27	Pass
ax20	5200	Ant1	-37.3	-27	Pass
ax20	5240	Ant1	-37.64	-27	Pass

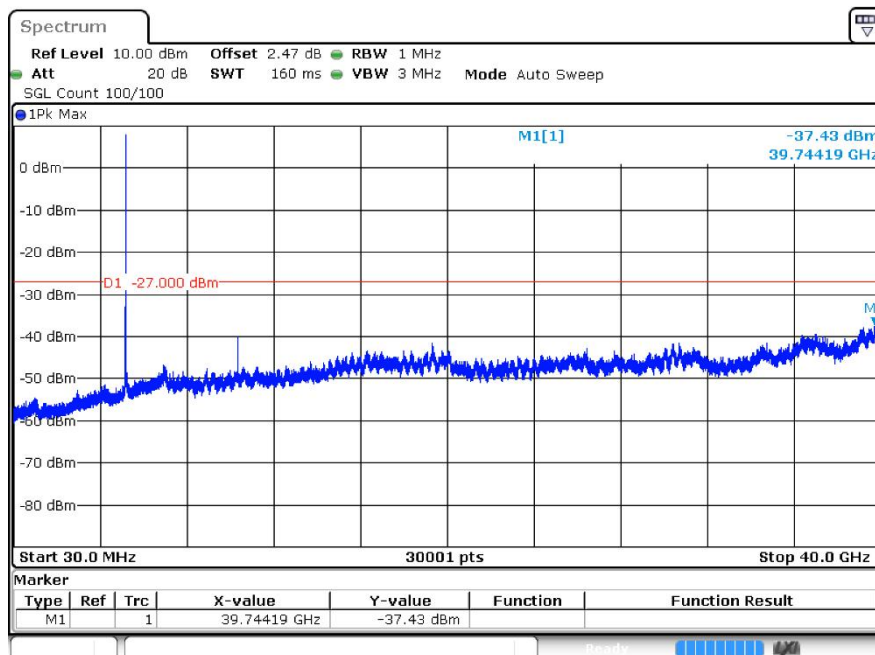
7.2 Test Graphs



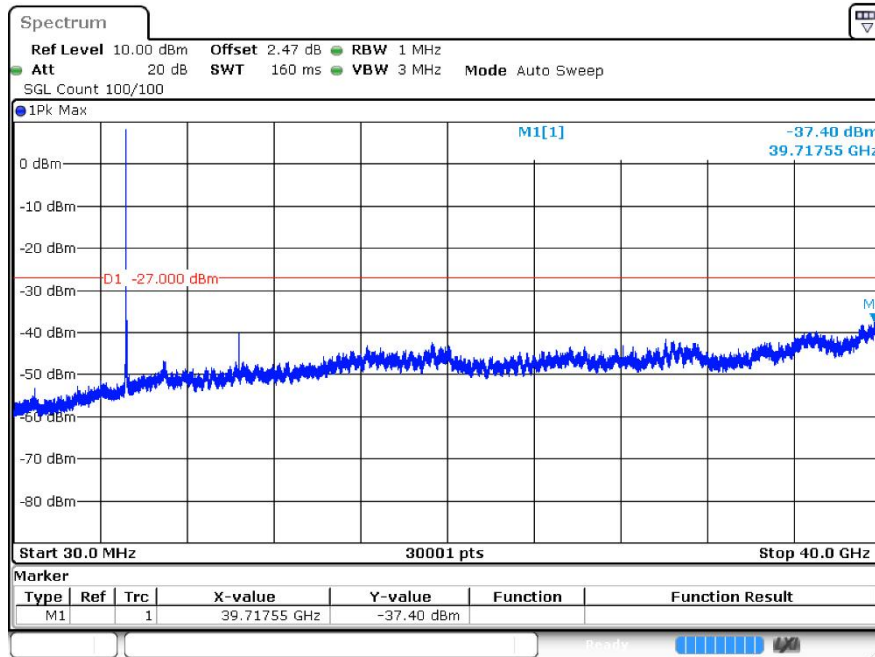
Tx. Spurious a 5240MHz Ant1



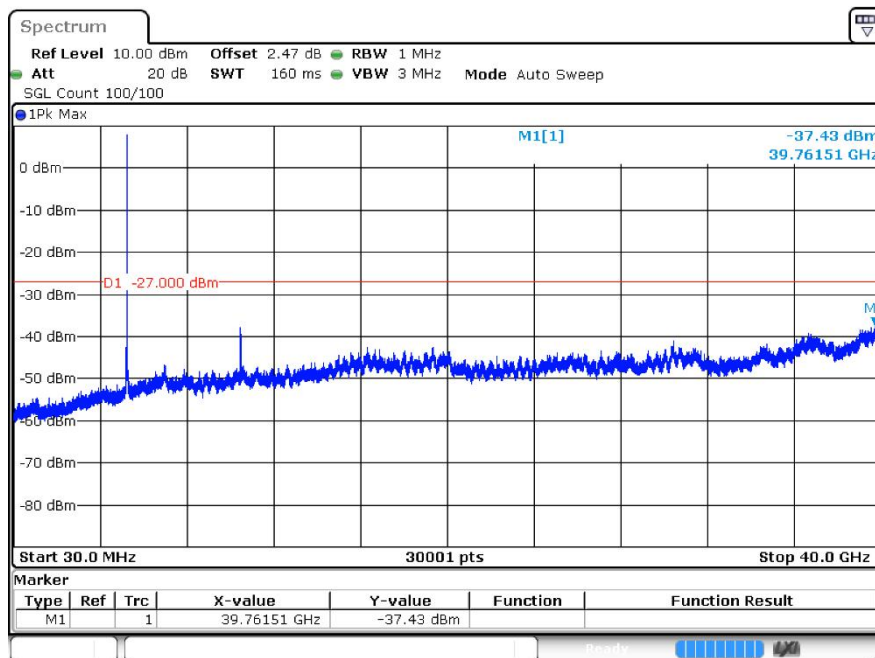
Tx. Spurious n20 5180MHz Ant1



Tx. Spurious n20 5200MHz Ant1

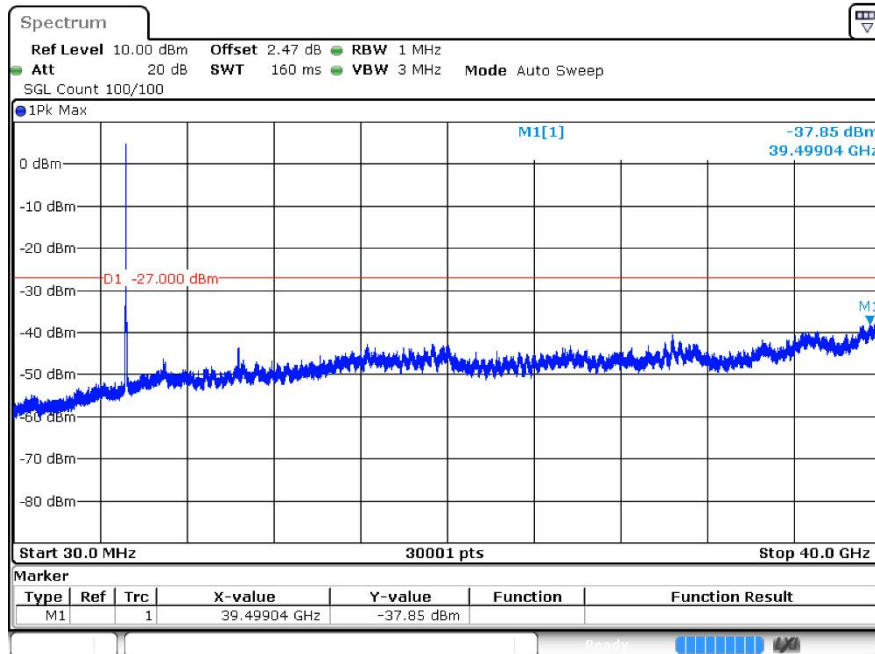


Tx. Spurious n20 5240MHz Ant1

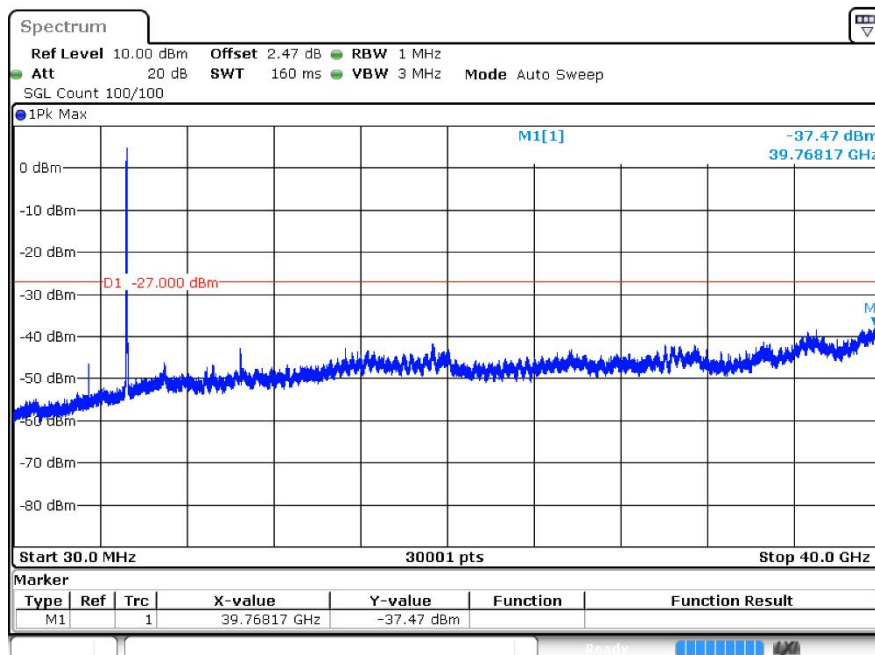




Tx. Spurious n40 5190MHz Ant1

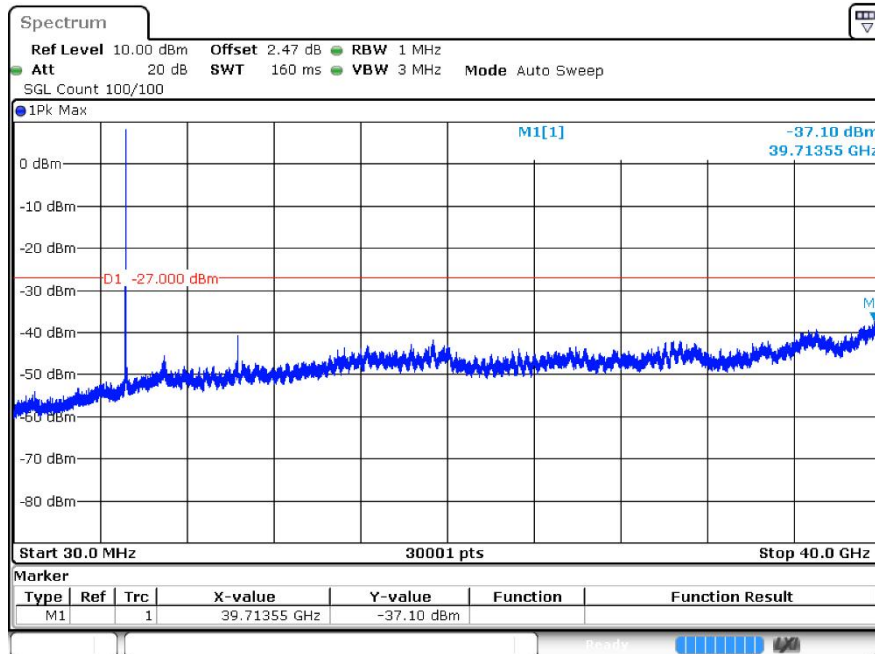


Tx. Spurious n40 5230MHz Ant1

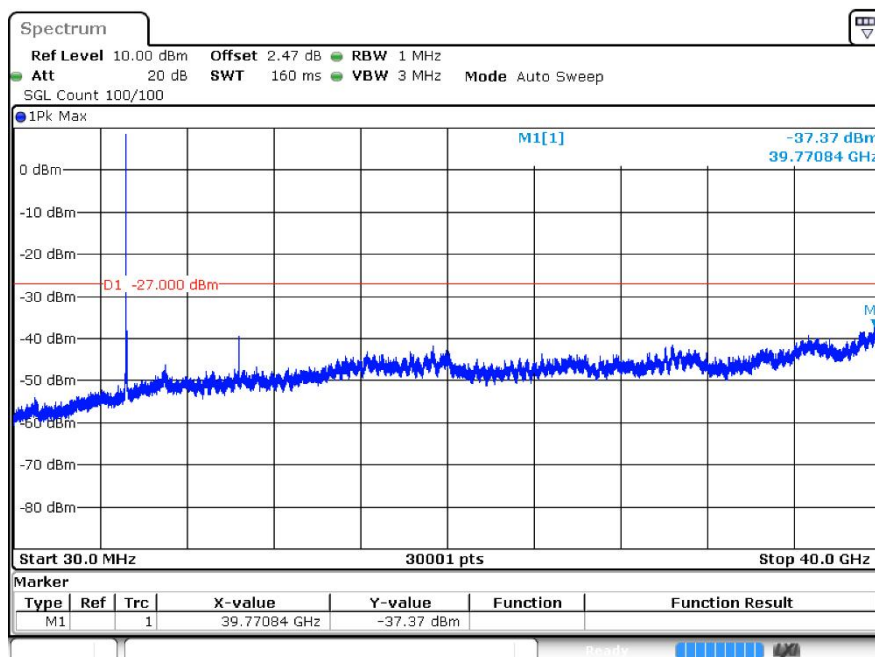


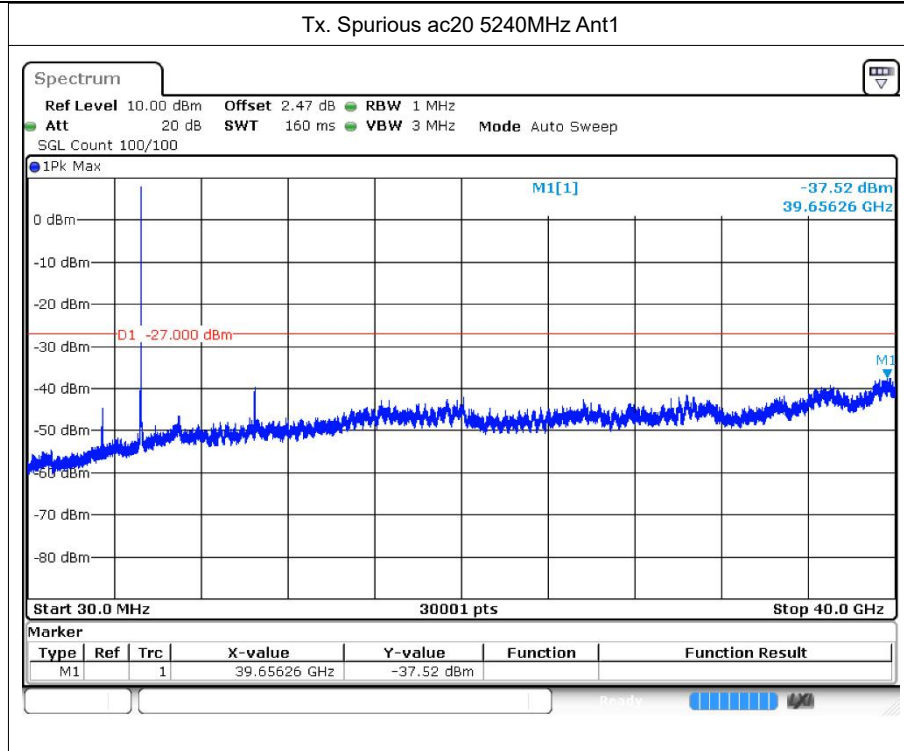


Tx. Spurious ac20 5180MHz Ant1

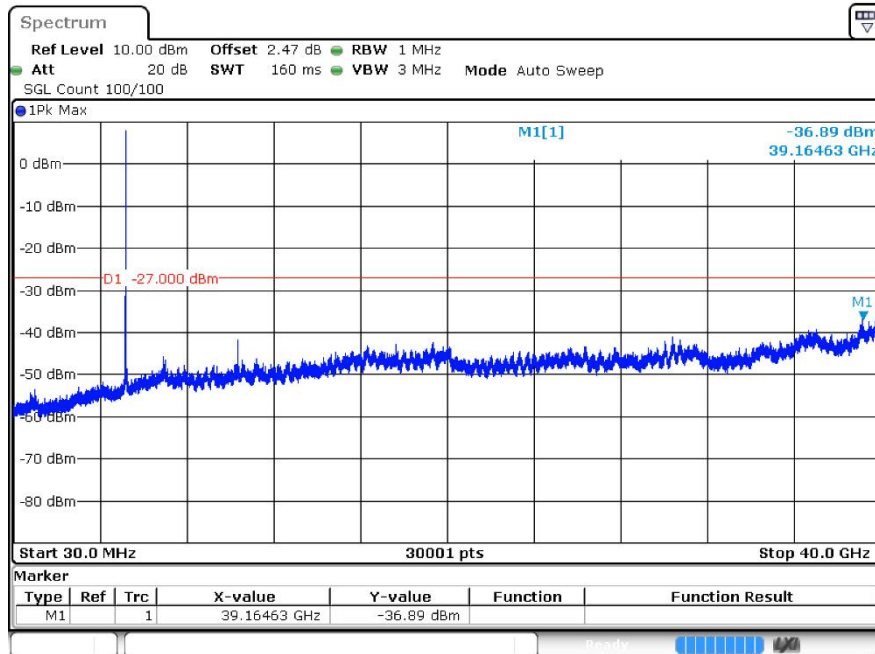


Tx. Spurious ac20 5200MHz Ant1

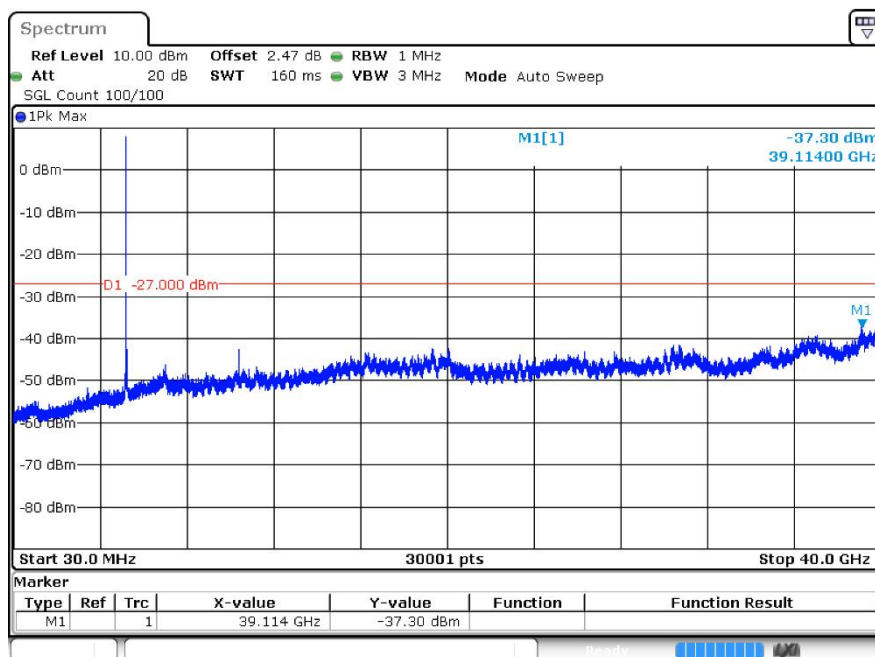


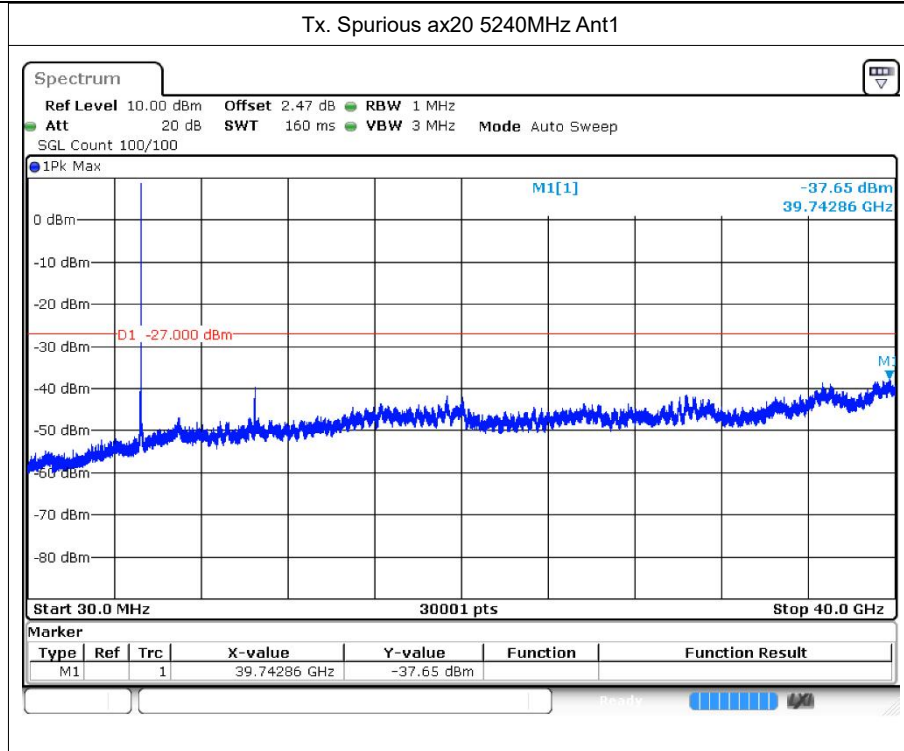


Tx. Spurious ax20 5180MHz Ant1



Tx. Spurious ax20 5200MHz Ant1







8 Restrict Band

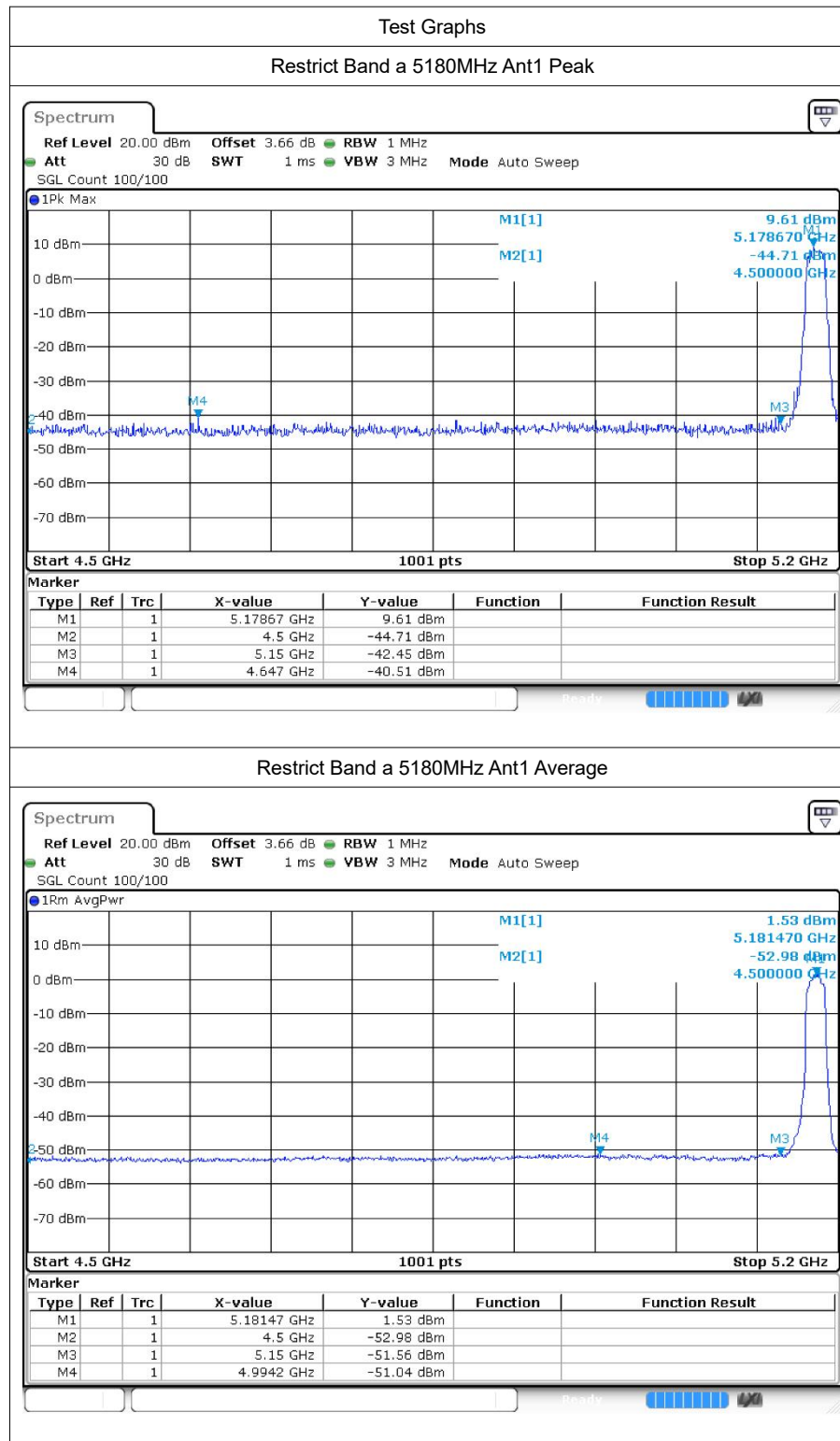
8.1 Test Result

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	-44.71	2	-	52.52	Peak	68.2	Pass
a	5180	Ant1	4500	-52.98	2	0.46	44.71	Average	54	Pass
a	5180	Ant1	4647	-40.51	2	-	56.72	Peak	68.2	Pass
a	5180	Ant1	4994.2	-51.03	2	0.46	46.66	Average	54	Pass
a	5180	Ant1	5150	-42.45	2	-	54.78	Peak	68.2	Pass
a	5180	Ant1	5150	-51.56	2	0.46	46.13	Average	54	Pass
a	5240	Ant1	5350	-43.96	2	-	53.27	Peak	68.2	Pass
a	5240	Ant1	5350	-52.89	2	0.46	44.8	Average	54	Pass
a	5240	Ant1	5393.52	-41.22	2	-	56.01	Peak	68.2	Pass
a	5240	Ant1	5448.96	-49.3	2	0.46	48.39	Average	54	Pass
a	5240	Ant1	5460	-43.4	2	-	53.83	Peak	68.2	Pass
a	5240	Ant1	5460	-51.79	2	0.46	45.9	Average	54	Pass
n20	5180	Ant1	4500	-44.45	2	-	52.78	Peak	68.2	Pass
n20	5180	Ant1	4500	-53.26	2	0.46	44.43	Average	54	Pass
n20	5180	Ant1	5033.4	-40.99	2	-	56.24	Peak	68.2	Pass
n20	5180	Ant1	5138.4	-51.08	2	0.46	46.61	Average	54	Pass
n20	5180	Ant1	5150	-43.17	2	-	54.06	Peak	68.2	Pass
n20	5180	Ant1	5150	-51.38	2	0.46	46.31	Average	54	Pass
n20	5240	Ant1	5350	-45.97	2	-	51.26	Peak	68.2	Pass
n20	5240	Ant1	5350	-52.06	2	0.46	45.63	Average	54	Pass
n20	5240	Ant1	5421.12	-41.02	2	-	56.21	Peak	68.2	Pass
n20	5240	Ant1	5452.8	-49.23	2	0.46	48.46	Average	54	Pass
n20	5240	Ant1	5460	-43.75	2	-	53.48	Peak	68.2	Pass
n20	5240	Ant1	5460	-52.21	2	0.46	45.48	Average	54	Pass
n40	5190	Ant1	4500	-42.8	2	-	54.43	Peak	68.2	Pass
n40	5190	Ant1	4500	-52.76	2	0.47	44.94	Average	54	Pass
n40	5190	Ant1	5148.97	-40.49	2	-	56.74	Peak	68.2	Pass
n40	5190	Ant1	5148.97	-48.31	2	0.47	49.39	Average	54	Pass
n40	5190	Ant1	5150	-40.49	2	-	56.74	Peak	68.2	Pass
n40	5190	Ant1	5150	-48.79	2	0.47	48.91	Average	54	Pass
n40	5230	Ant1	5350	-44.31	2	-	52.92	Peak	68.2	Pass
n40	5230	Ant1	5350	-51.24	2	0.46	46.45	Average	54	Pass
n40	5230	Ant1	5395.74	-41.93	2	-	55.3	Peak	68.2	Pass
n40	5230	Ant1	5449.2	-49.43	2	0.46	48.26	Average	54	Pass
n40	5230	Ant1	5460	-42.65	2	-	54.58	Peak	68.2	Pass
n40	5230	Ant1	5460	-51.48	2	0.46	46.21	Average	54	Pass

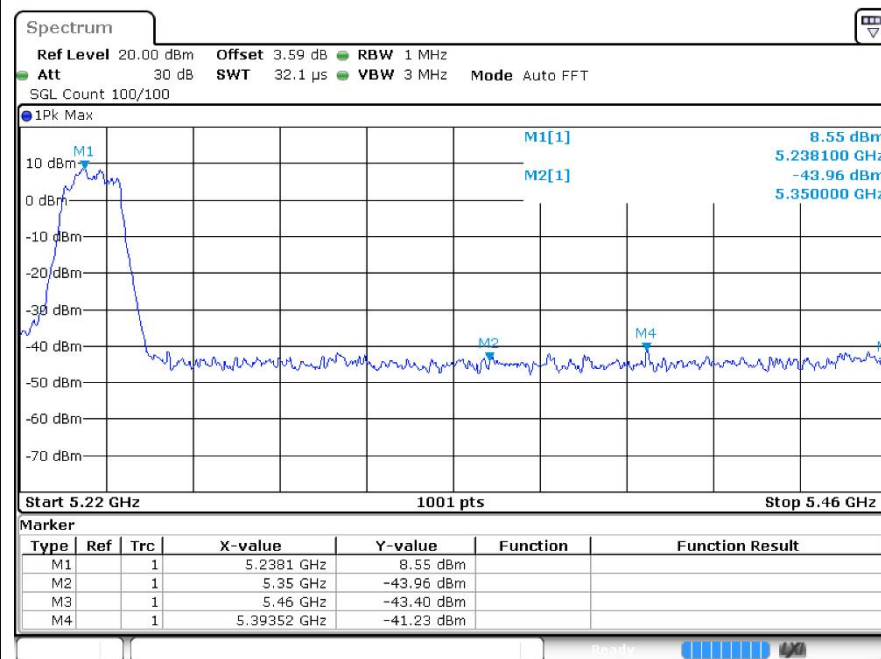


ac20	5180	Ant1	4500	-43.73	2	-	53.5	Peak	68.2	Pass
ac20	5180	Ant1	4500	-52.6	2	0.46	45.09	Average	54	Pass
ac20	5180	Ant1	4889.9	-41.2	2	-	56.03	Peak	68.2	Pass
ac20	5180	Ant1	5144.7	-51.04	2	0.46	46.65	Average	54	Pass
ac20	5180	Ant1	5150	-45.06	2	-	52.17	Peak	68.2	Pass
ac20	5180	Ant1	5150	-51.94	2	0.46	45.75	Average	54	Pass
ac20	5240	Ant1	5350	-43.39	2	-	53.84	Peak	68.2	Pass
ac20	5240	Ant1	5350	-52.18	2	0.46	45.51	Average	54	Pass
ac20	5240	Ant1	5446.8	-40.29	2	-	56.94	Peak	68.2	Pass
ac20	5240	Ant1	5448.96	-49.15	2	0.46	48.54	Average	54	Pass
ac20	5240	Ant1	5460	-45.69	2	-	51.54	Peak	68.2	Pass
ac20	5240	Ant1	5460	-51.85	2	0.46	45.84	Average	54	Pass
ax20	5180	Ant1	4500	-45.2	2	-	52.03	Peak	68.2	Pass
ax20	5180	Ant1	4500	-52.66	2	0.46	45.03	Average	54	Pass
ax20	5180	Ant1	4955	-41.13	2	-	56.1	Peak	68.2	Pass
ax20	5180	Ant1	4964.1	-50.81	2	0.46	46.88	Average	54	Pass
ax20	5180	Ant1	5150	-44.55	2	-	52.68	Peak	68.2	Pass
ax20	5180	Ant1	5150	-51.48	2	0.46	46.21	Average	54	Pass
ax20	5240	Ant1	5350	-44.83	2	-	52.4	Peak	68.2	Pass
ax20	5240	Ant1	5350	-53.18	2	0.46	44.51	Average	54	Pass
ax20	5240	Ant1	5452.32	-40.74	2	-	56.49	Peak	68.2	Pass
ax20	5240	Ant1	5450.64	-49.17	2	0.46	48.52	Average	54	Pass
ax20	5240	Ant1	5460	-45.03	2	-	52.2	Peak	68.2	Pass
ax20	5240	Ant1	5460	-51.02	2	0.46	46.67	Average	54	Pass

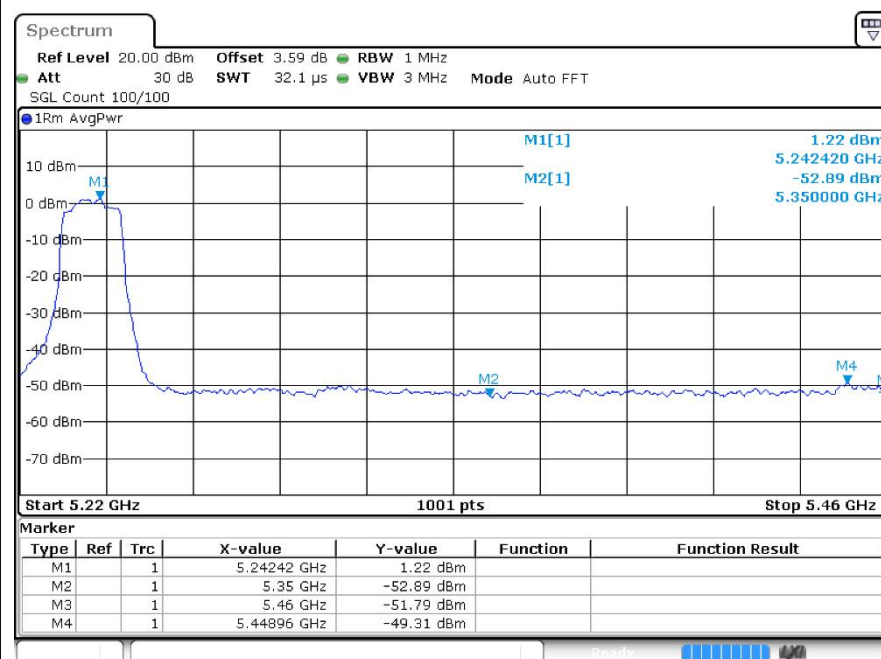
8.2 Test Graphs



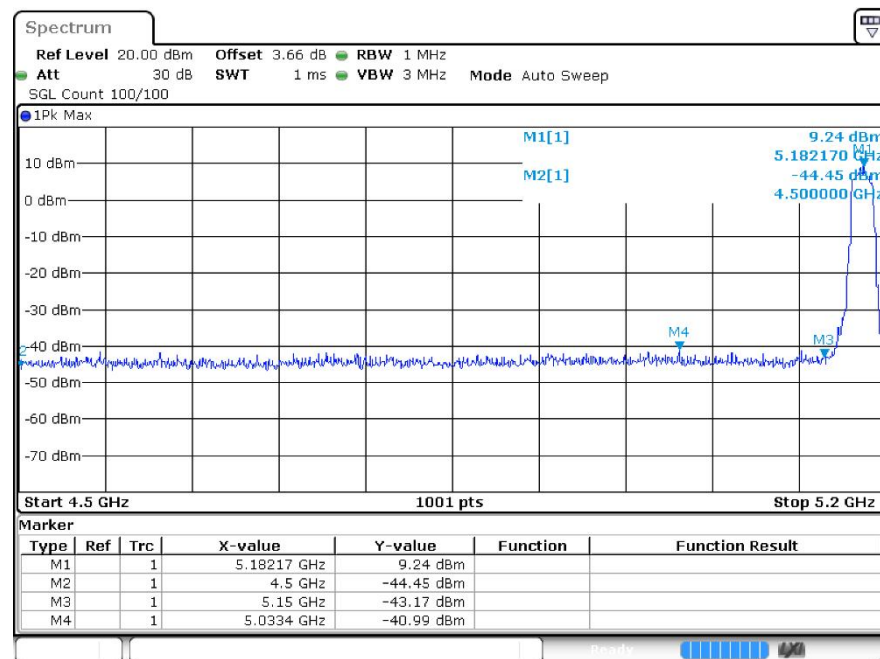
Restrict Band a 5240MHz Ant1 Peak



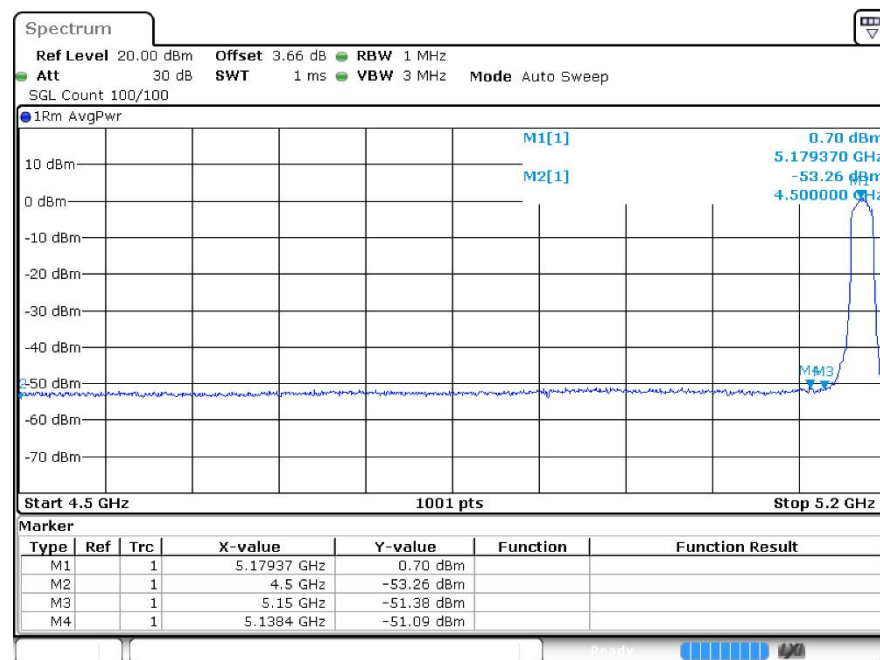
Restrict Band a 5240MHz Ant1 Average



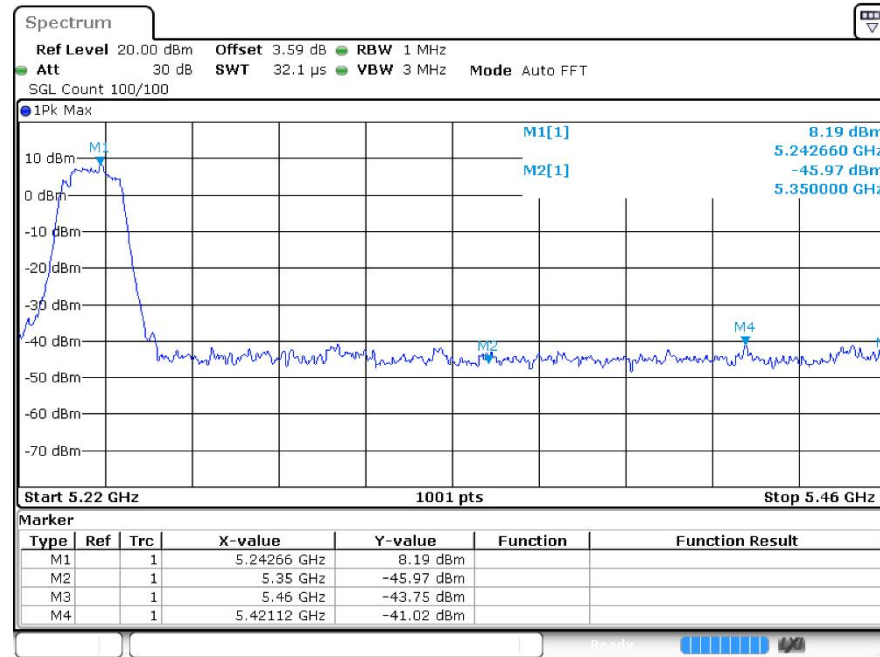
Restrict Band n20 5180MHz Ant1 Peak



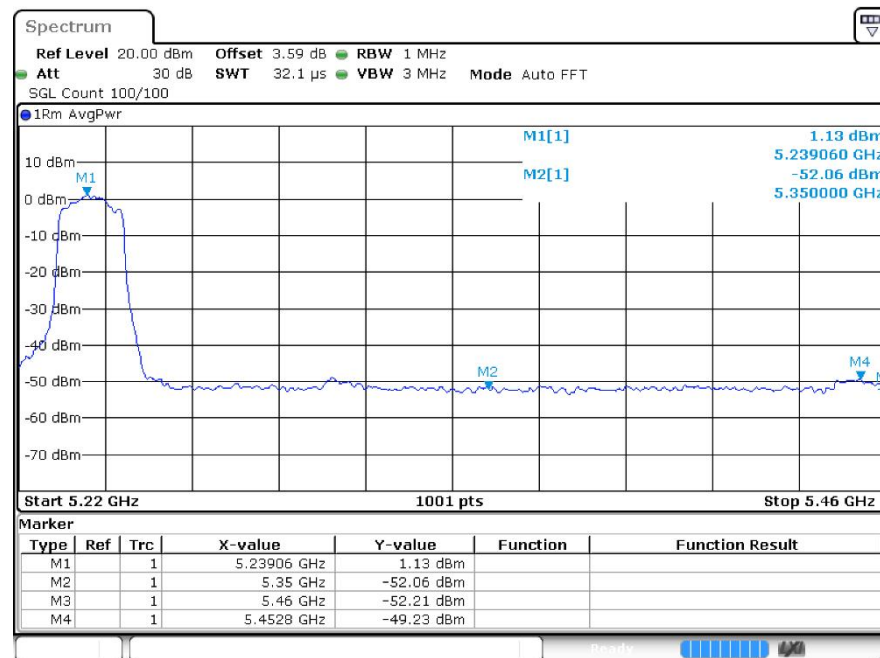
Restrict Band n20 5180MHz Ant1 Average



Restrict Band n20 5240MHz Ant1 Peak

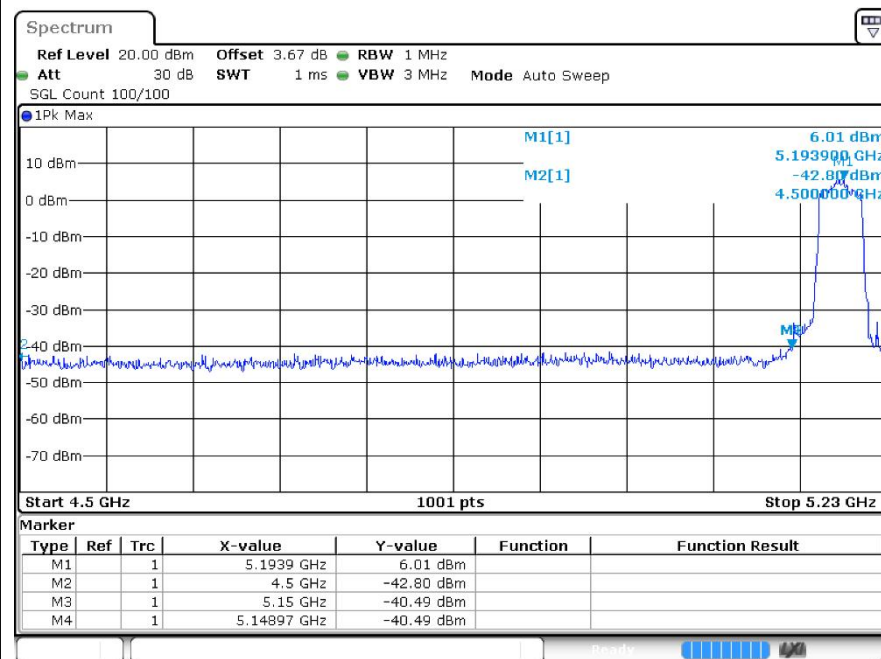


Restrict Band n20 5240MHz Ant1 Average

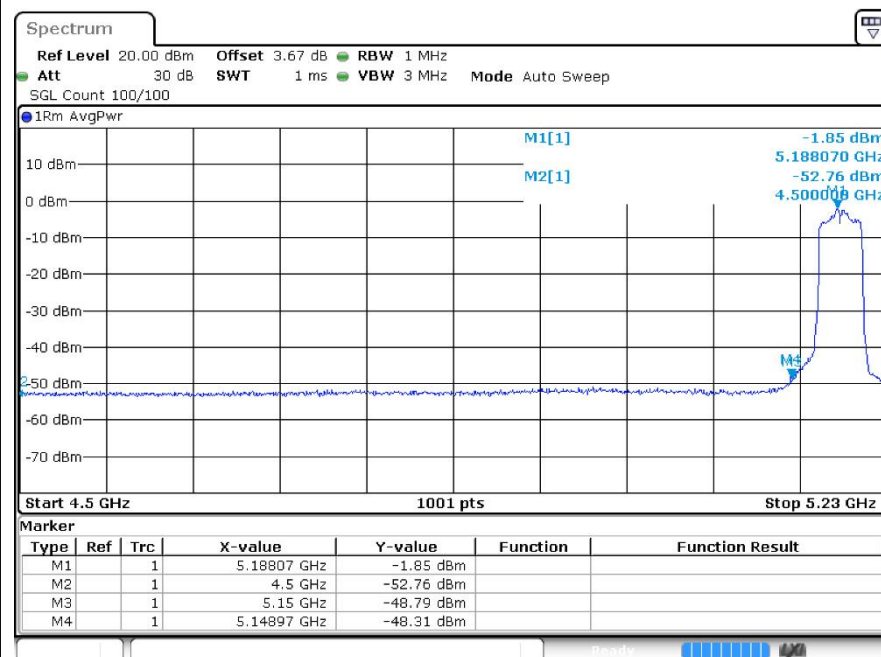




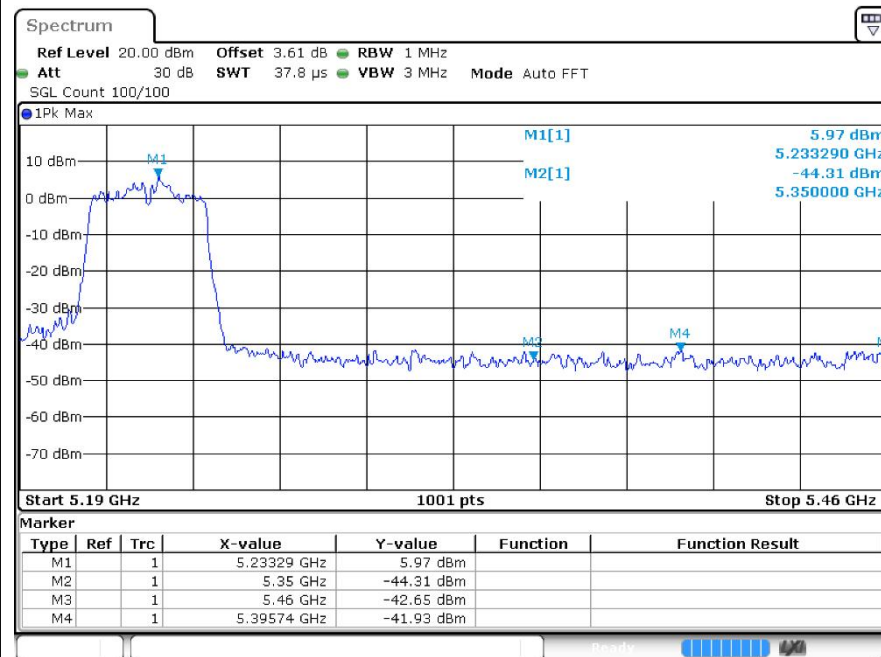
Restrict Band n40 5190MHz Ant1 Peak



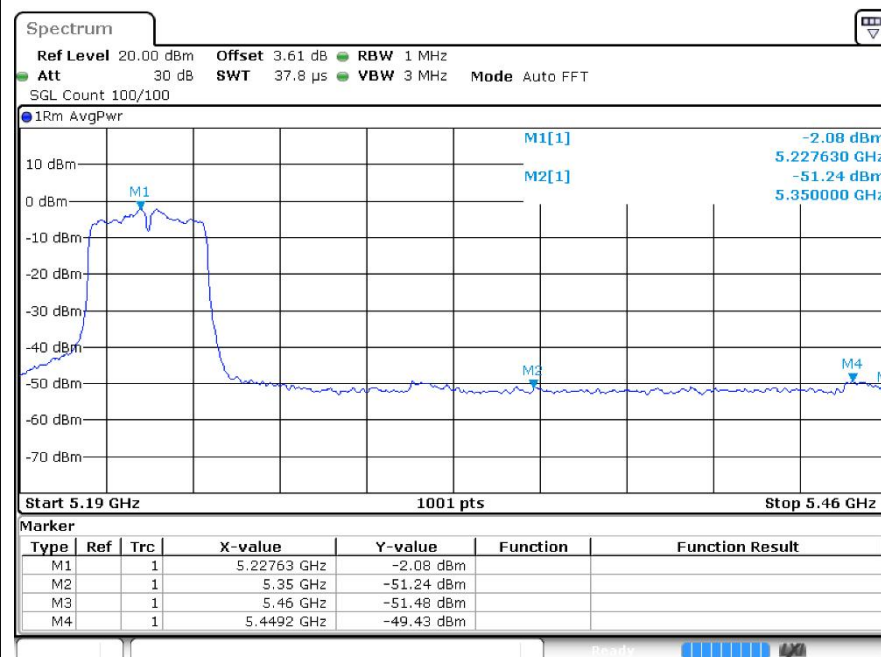
Restrict Band n40 5190MHz Ant1 Average



Restrict Band n40 5230MHz Ant1 Peak

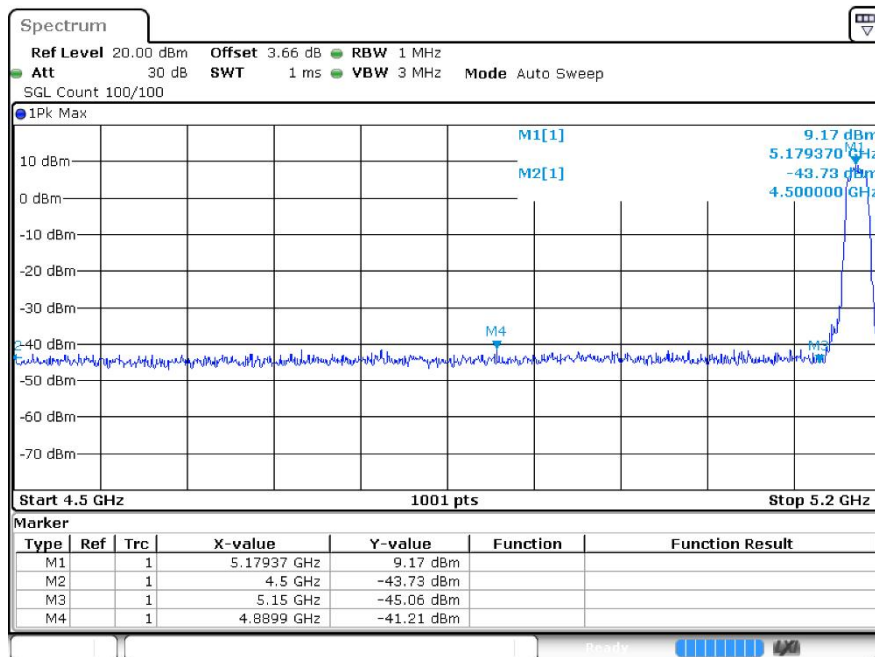


Restrict Band n40 5230MHz Ant1 Average

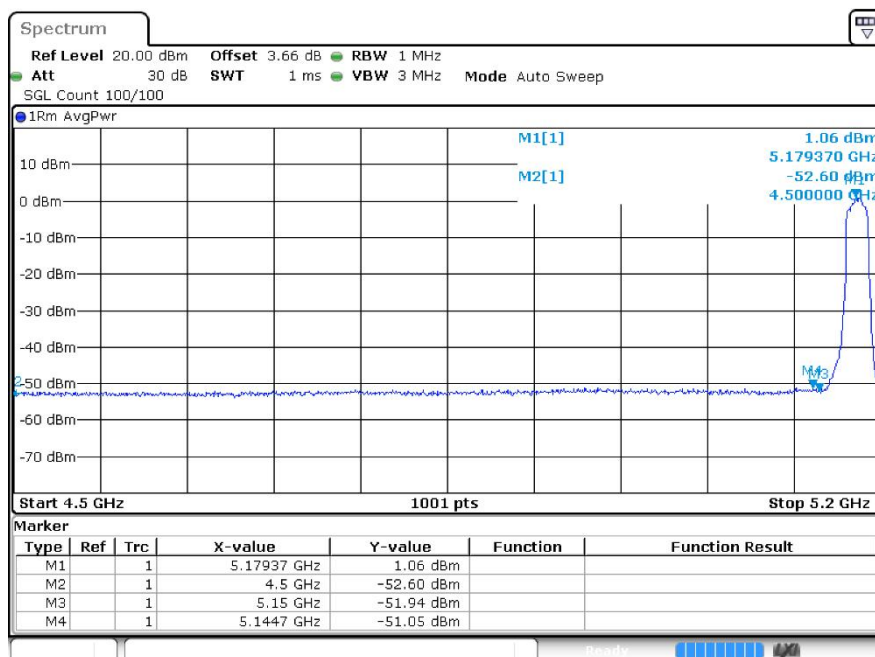




Restrict Band ac20 5180MHz Ant1 Peak

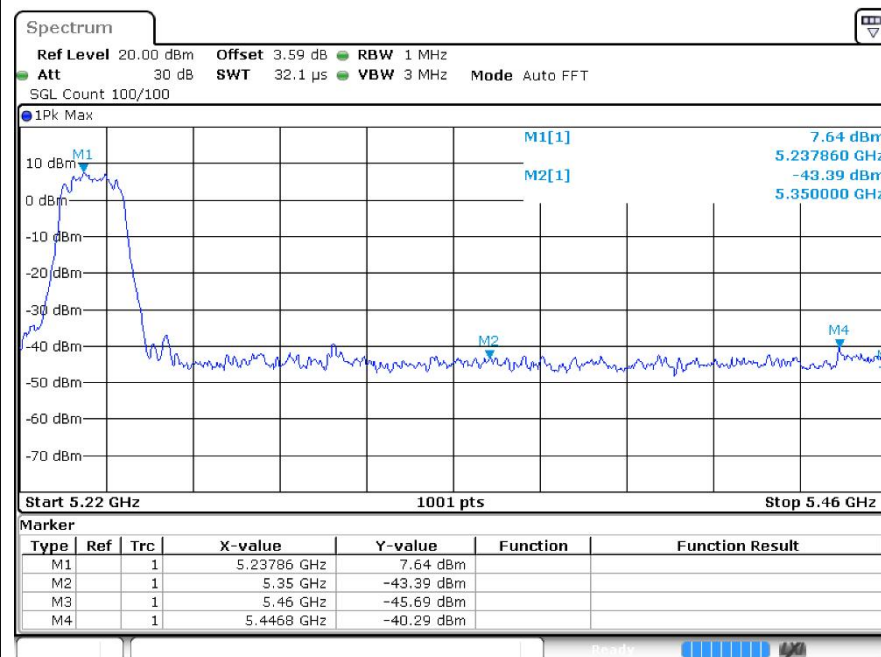


Restrict Band ac20 5180MHz Ant1 Average

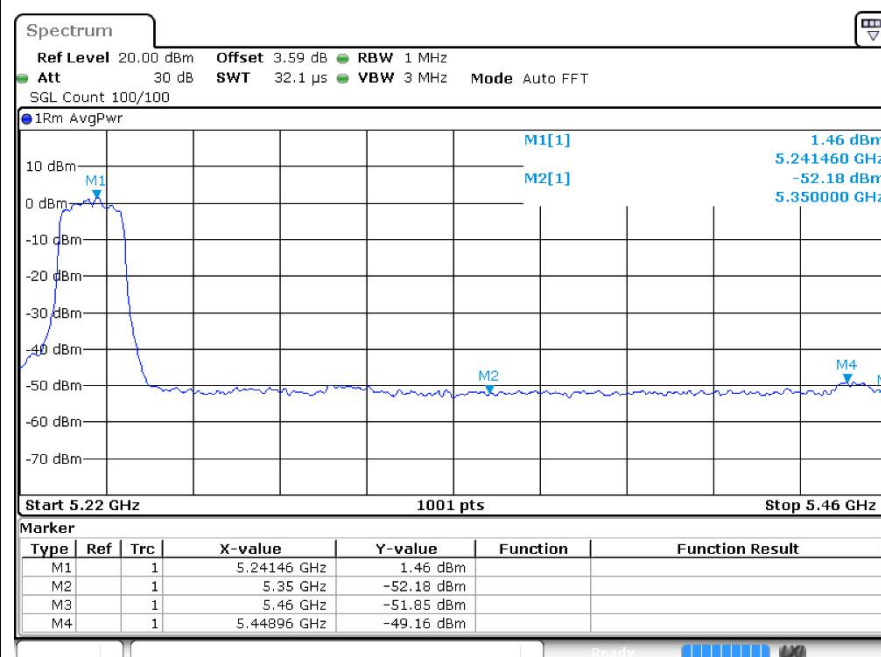


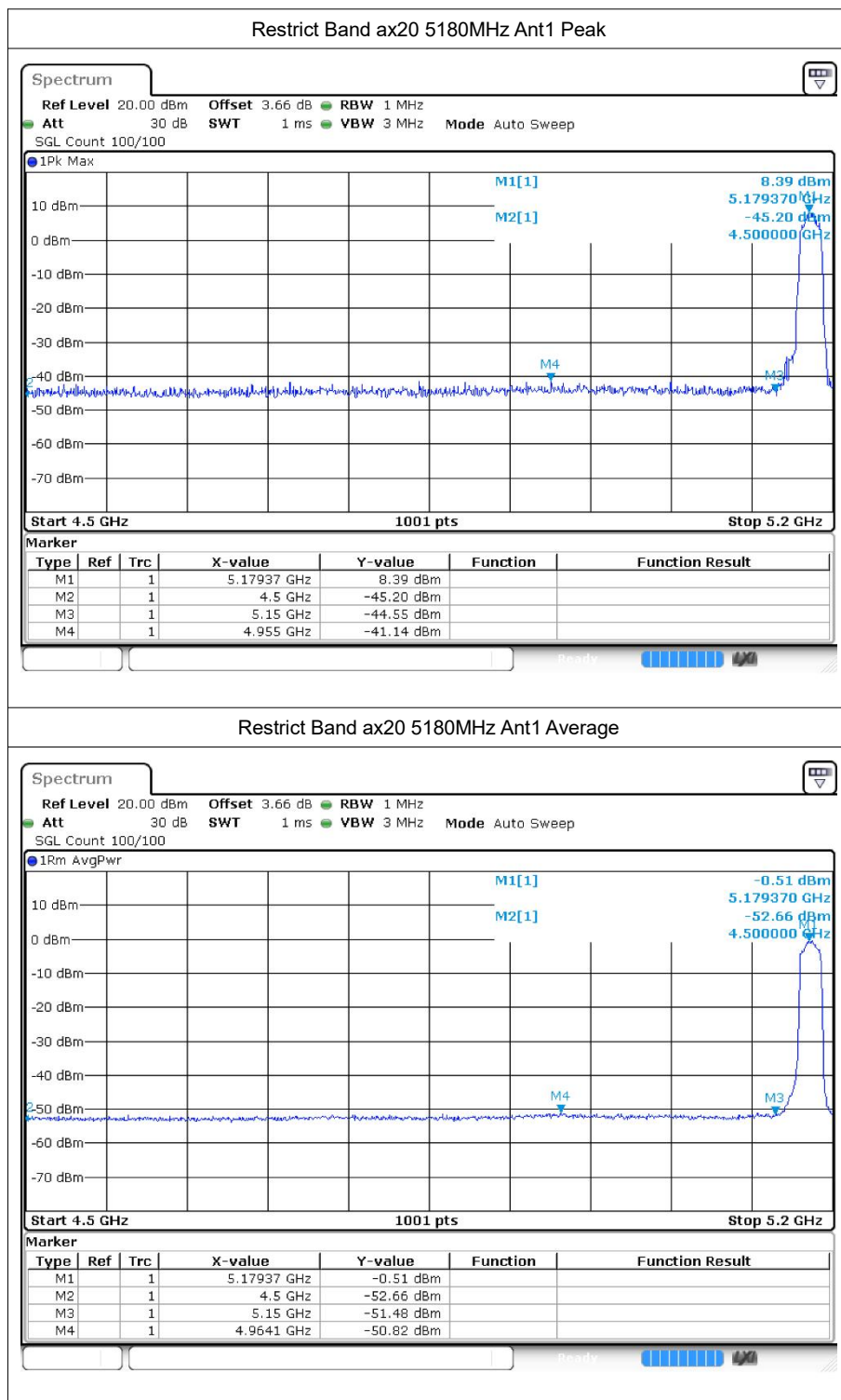


Restrict Band ac20 5240MHz Ant1 Peak



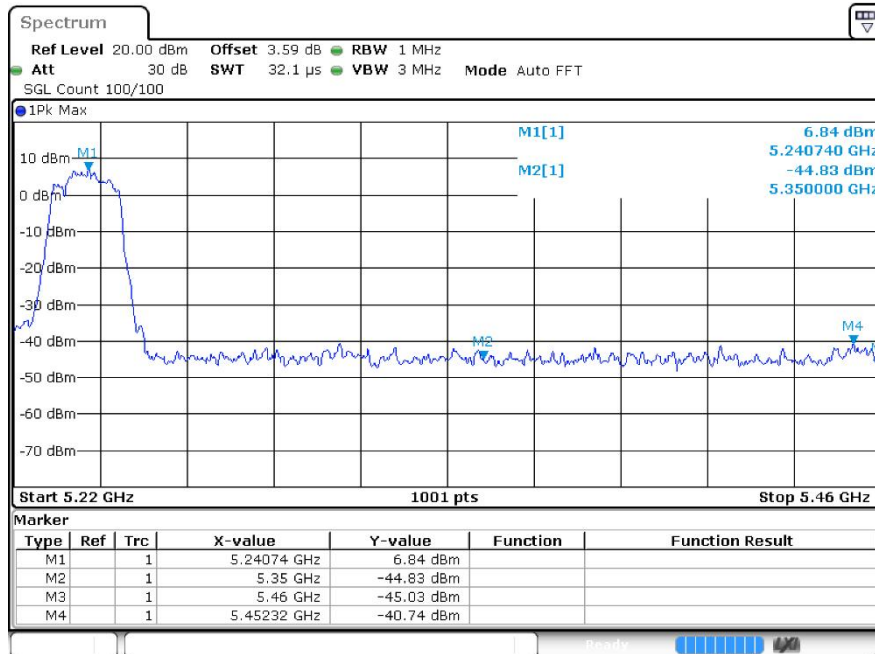
Restrict Band ac20 5240MHz Ant1 Average



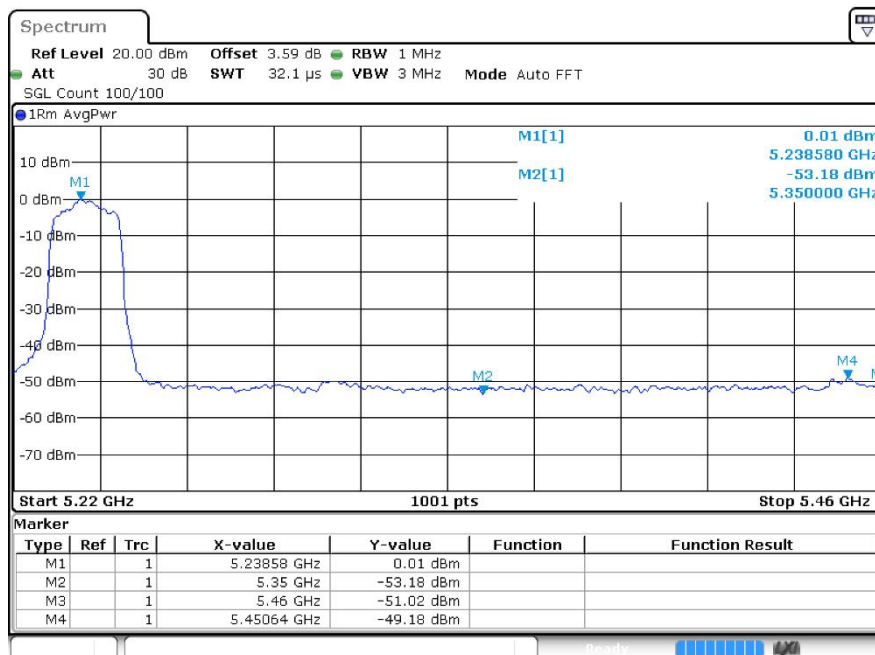




Restrict Band ax20 5240MHz Ant1 Peak



Restrict Band ax20 5240MHz Ant1 Average



---The End---