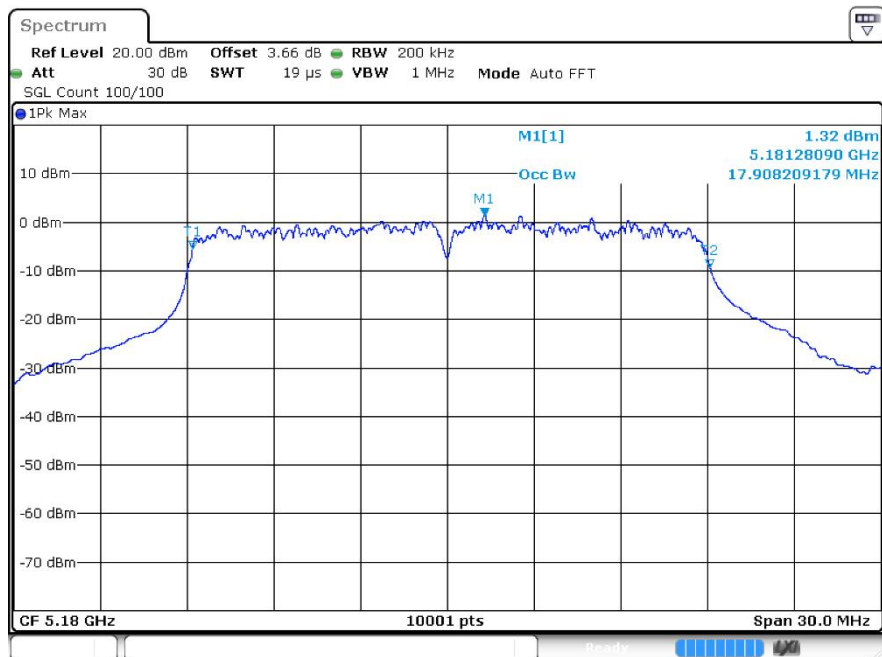
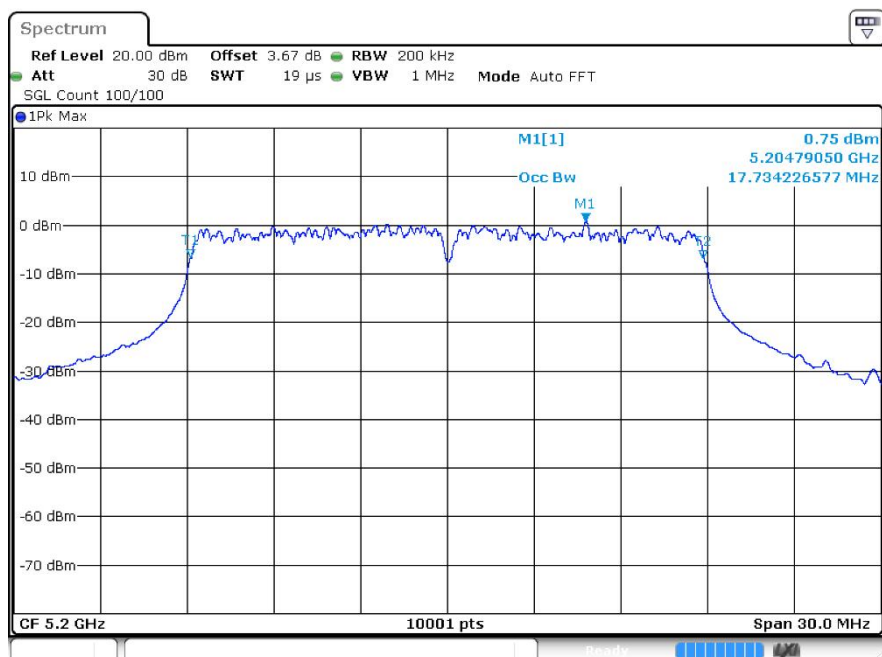


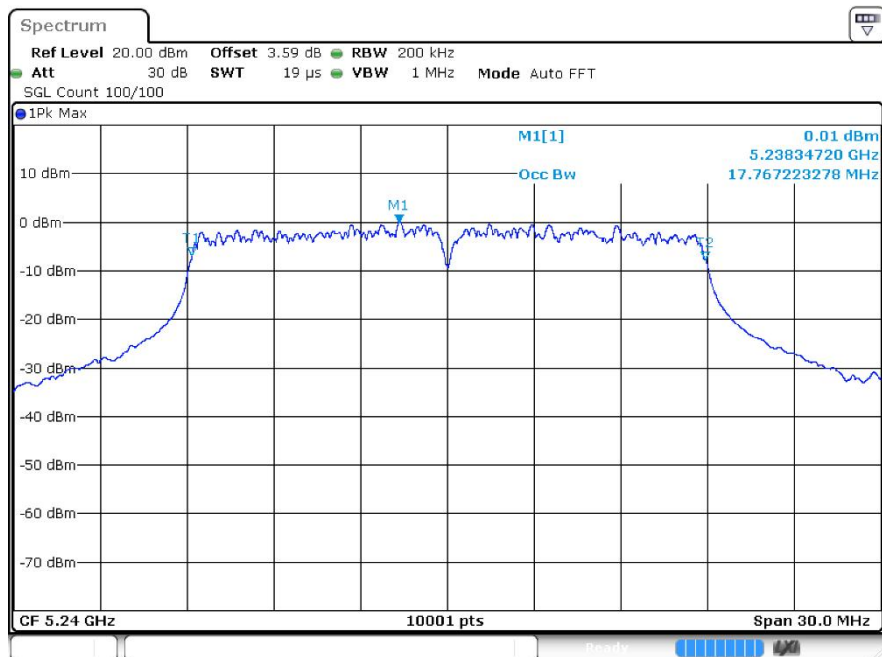
OBW ac20 5180MHz Ant1



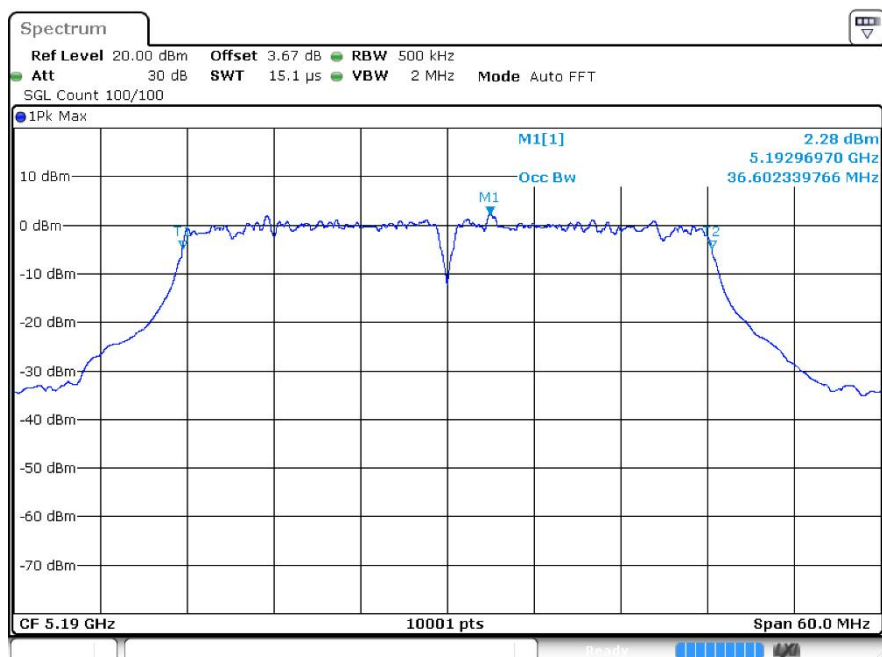
OBW ac20 5200MHz Ant1



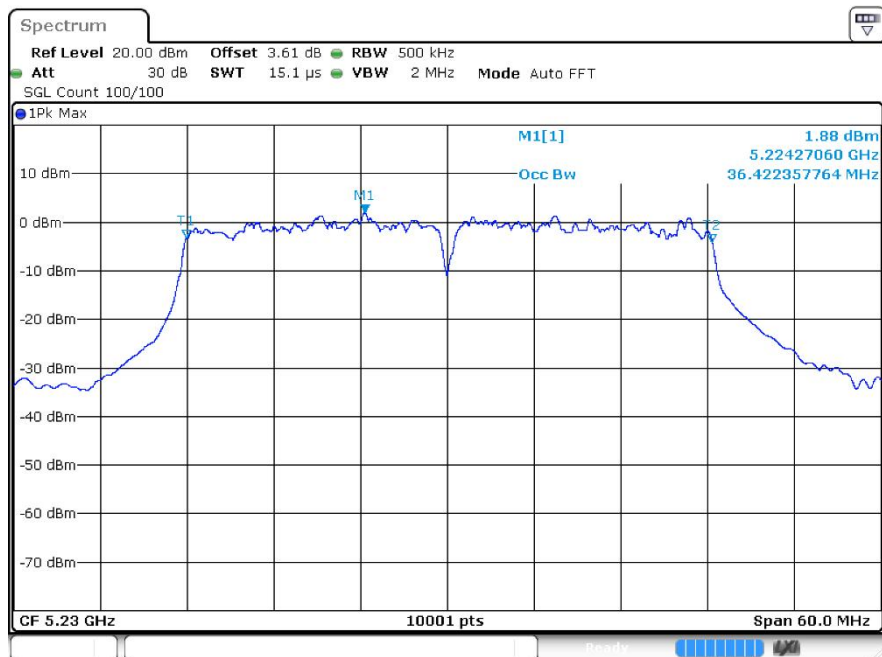
OBW ac20 5240MHz Ant1



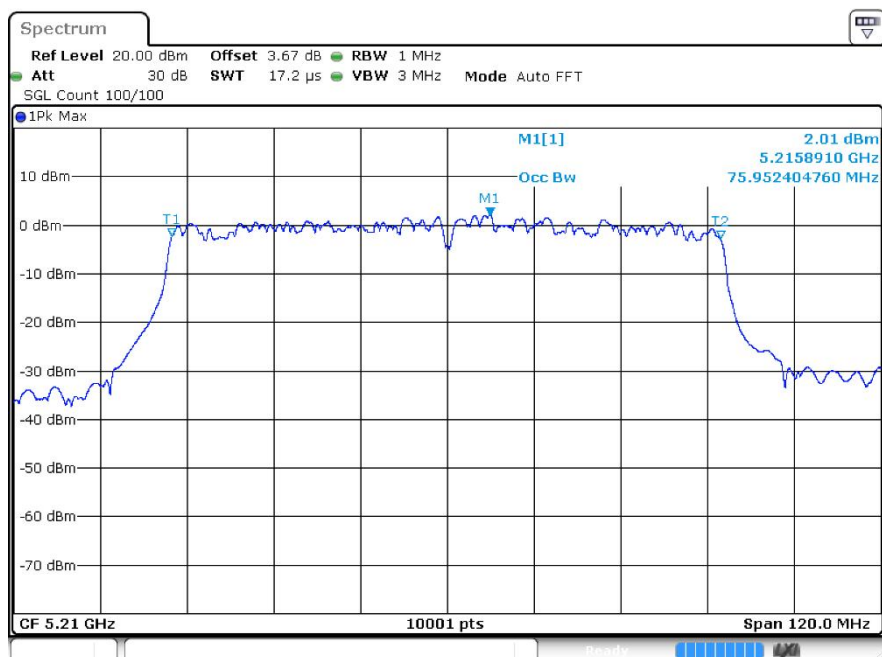
OBW ac40 5190MHz Ant1



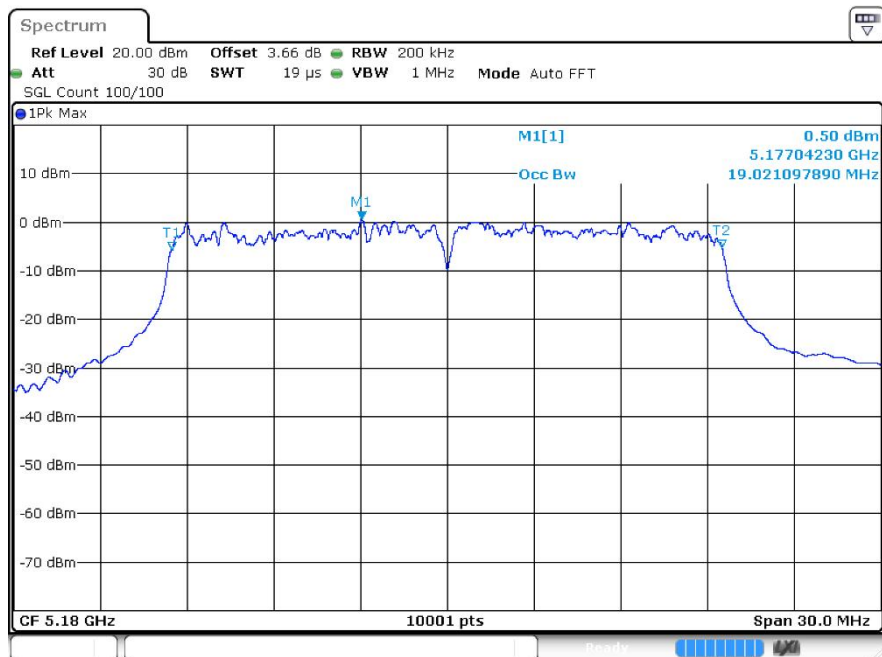
OBW ac40 5230MHz Ant1



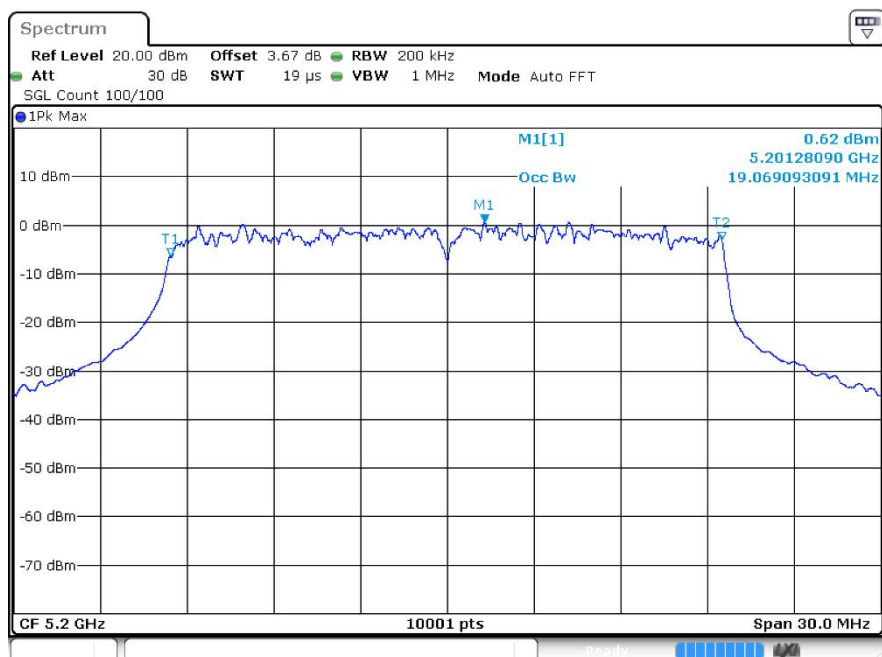
OBW ac80 5210MHz Ant1



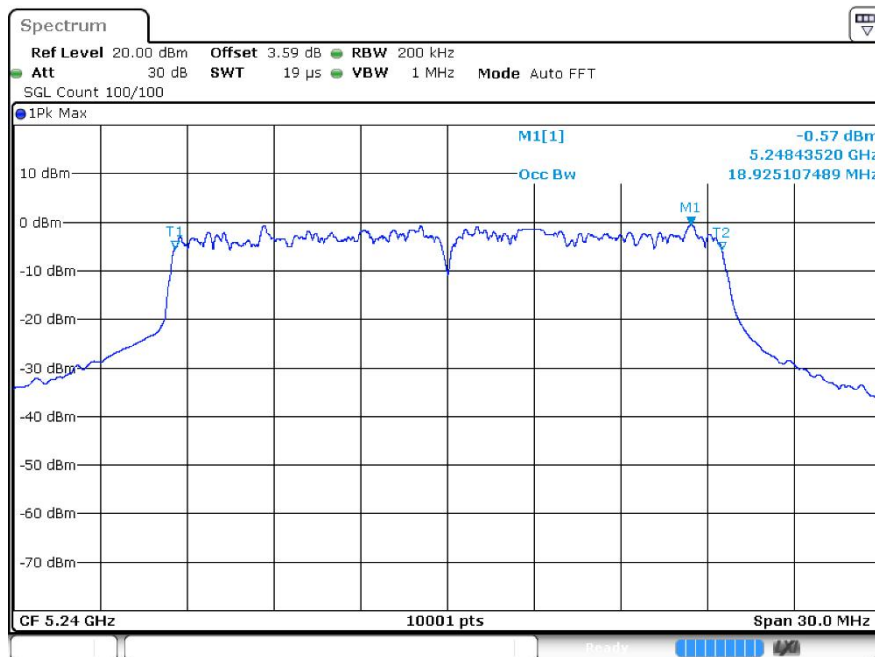
OBW ax20 5180MHz Ant1



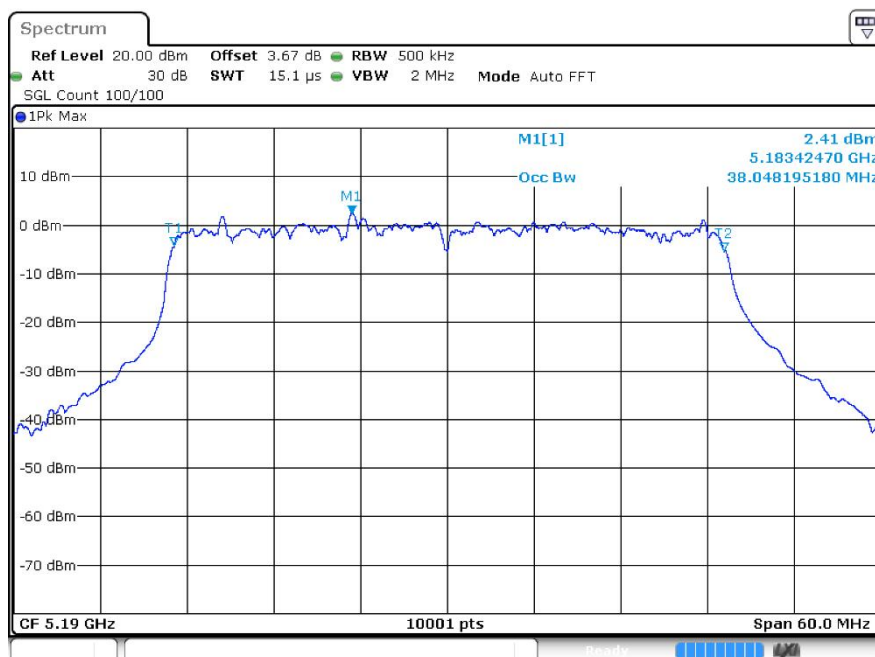
OBW ax20 5200MHz Ant1



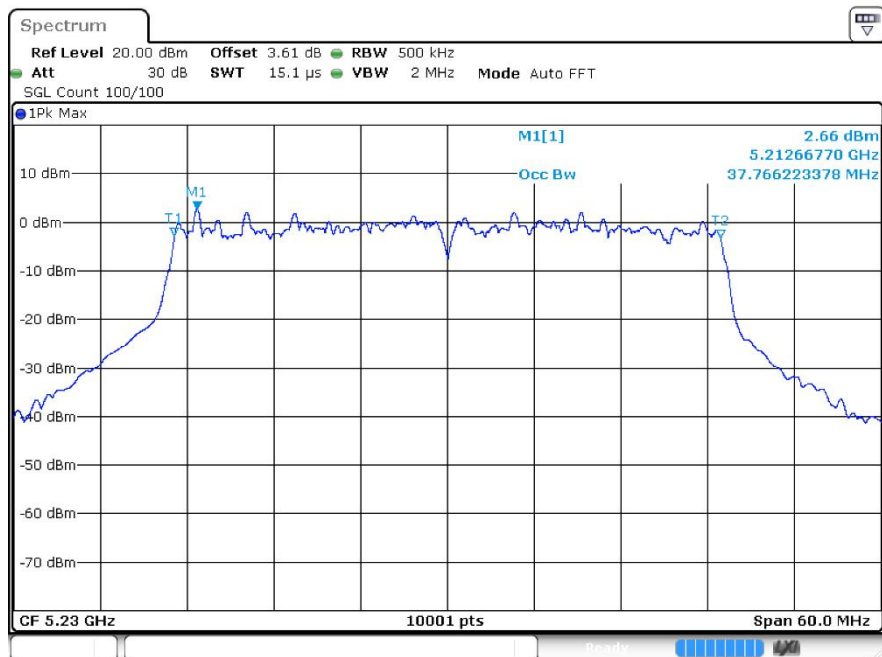
OBW ax20 5240MHz Ant1



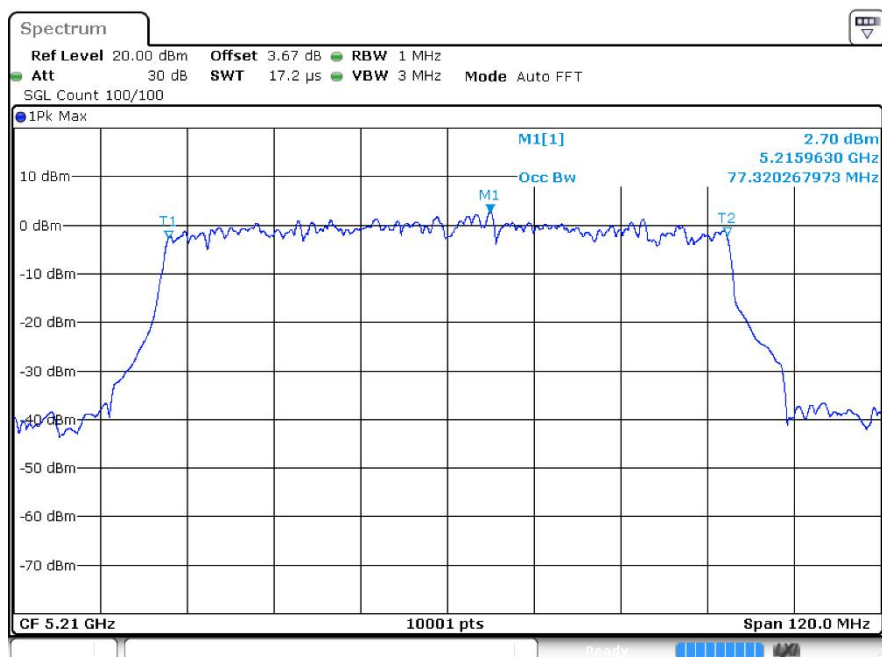
OBW ax40 5190MHz Ant1



OBW ax40 5230MHz Ant1



OBW ax80 5210MHz Ant1



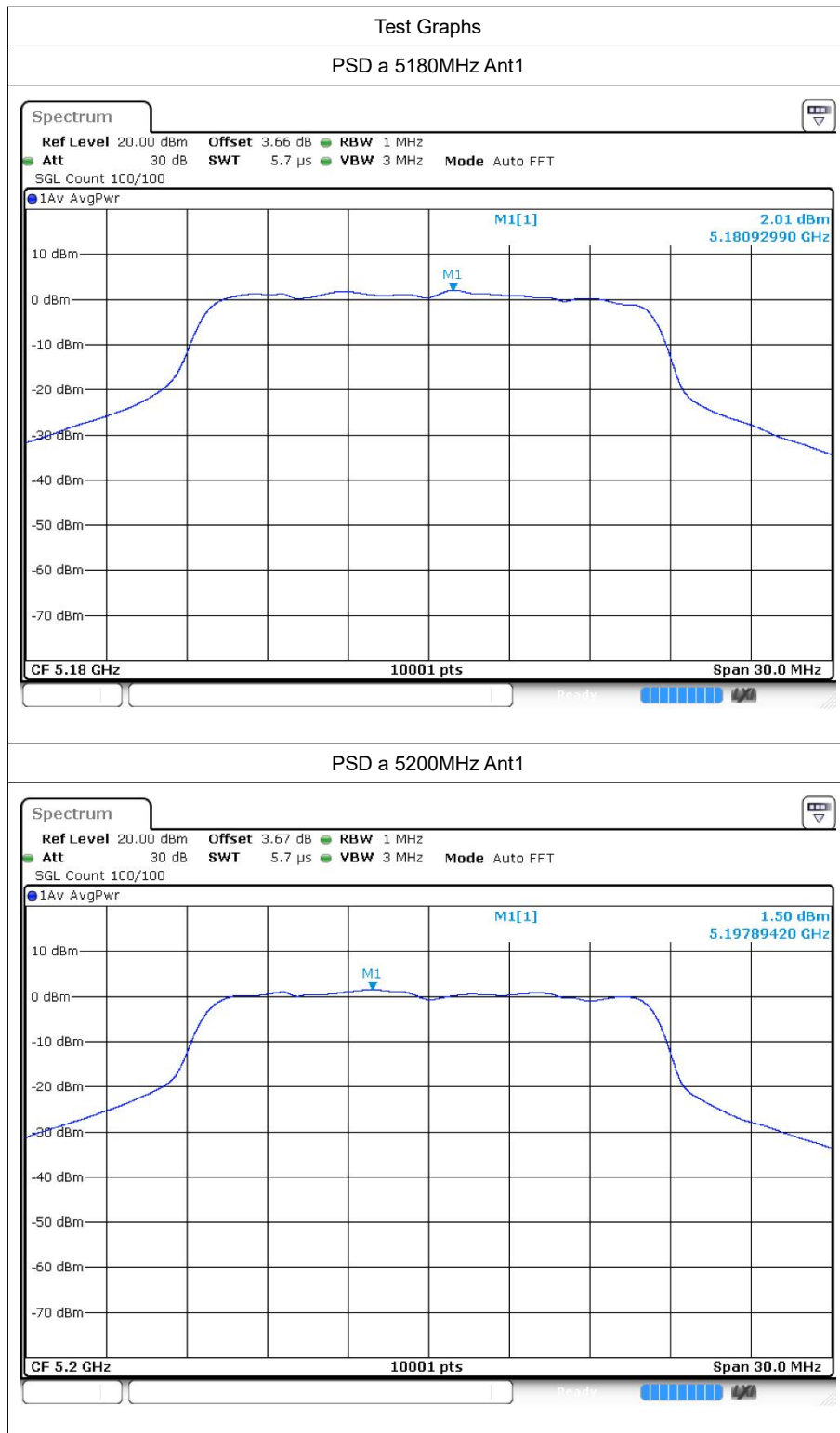


5 Maximum Power Spectral Density Level

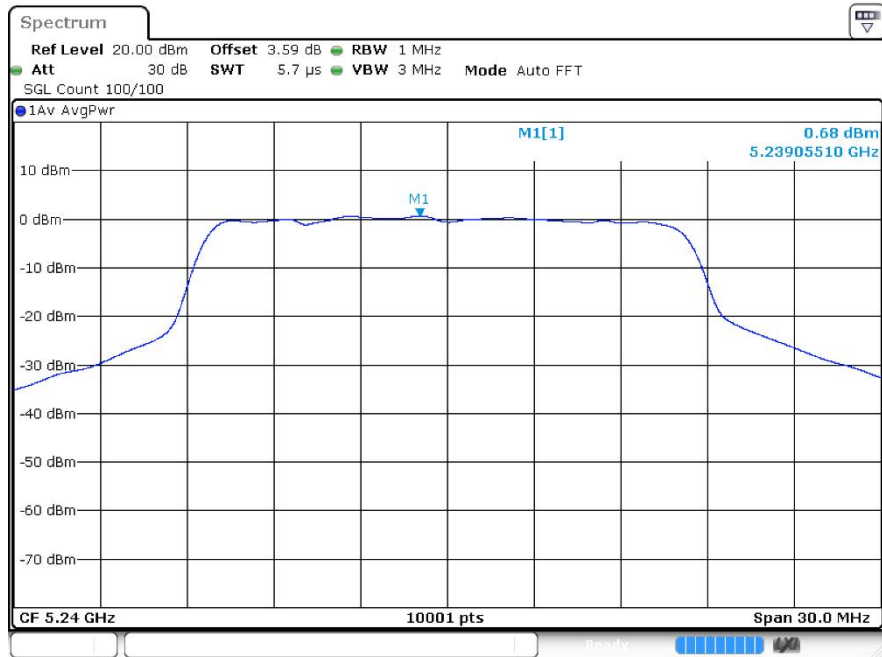
5.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	2.01	0.22	2.23	11	Pass
a	5200	Ant1	1.5	0.78	2.28	11	Pass
a	5240	Ant1	0.68	0.34	1.02	11	Pass
n20	5180	Ant1	0.34	0.08	0.42	11	Pass
n20	5200	Ant1	1.15	0.15	1.3	11	Pass
n20	5240	Ant1	0.2	0.09	0.29	11	Pass
n40	5190	Ant1	-1.85	0.1	-1.75	11	Pass
n40	5230	Ant1	-2.45	0.1	-2.35	11	Pass
ac20	5180	Ant1	1.11	0.1	1.21	11	Pass
ac20	5200	Ant1	0.55	0.13	0.68	11	Pass
ac20	5240	Ant1	0.03	0.09	0.12	11	Pass
ac40	5190	Ant1	-1.85	0.09	-1.76	11	Pass
ac40	5230	Ant1	-2.53	0.11	-2.42	11	Pass
ac80	5210	Ant1	-5.07	0.15	-4.92	11	Pass
ax20	5180	Ant1	0.01	0.11	0.12	11	Pass
ax20	5200	Ant1	-0.86	0.18	-0.68	11	Pass
ax20	5240	Ant1	-0.91	0.13	-0.78	11	Pass
ax40	5190	Ant1	-3.29	0.44	-2.85	11	Pass
ax40	5230	Ant1	-4.15	0.1	-4.05	11	Pass
ax80	5210	Ant1	-5.95	0.2	-5.75	11	Pass

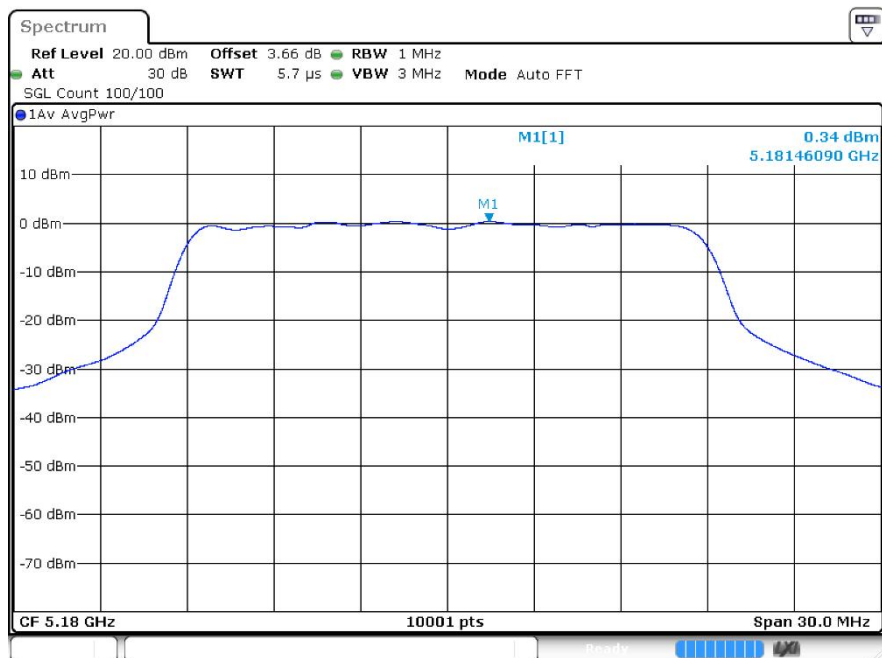
5.2 Test Graphs



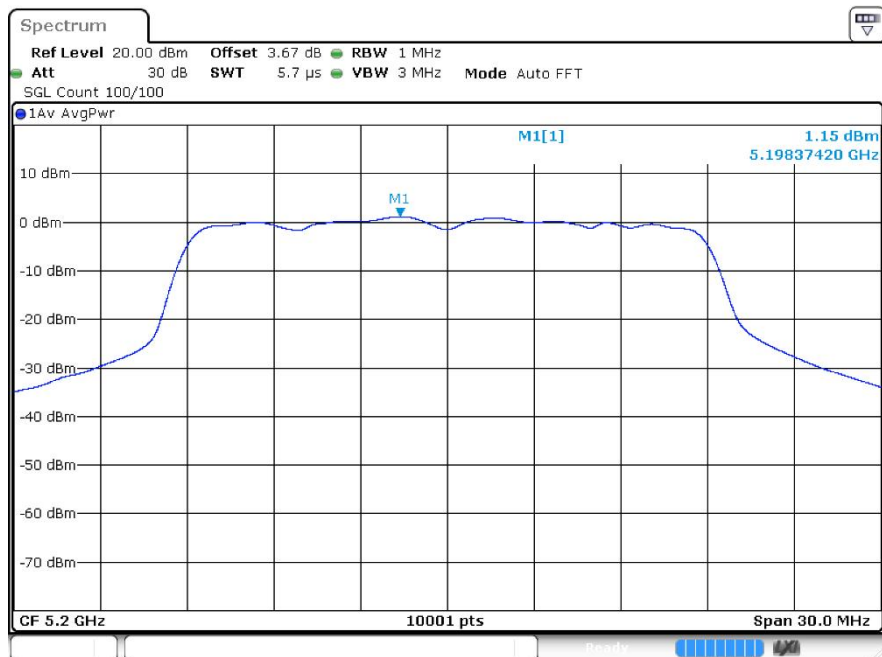
PSD a 5240MHz Ant1



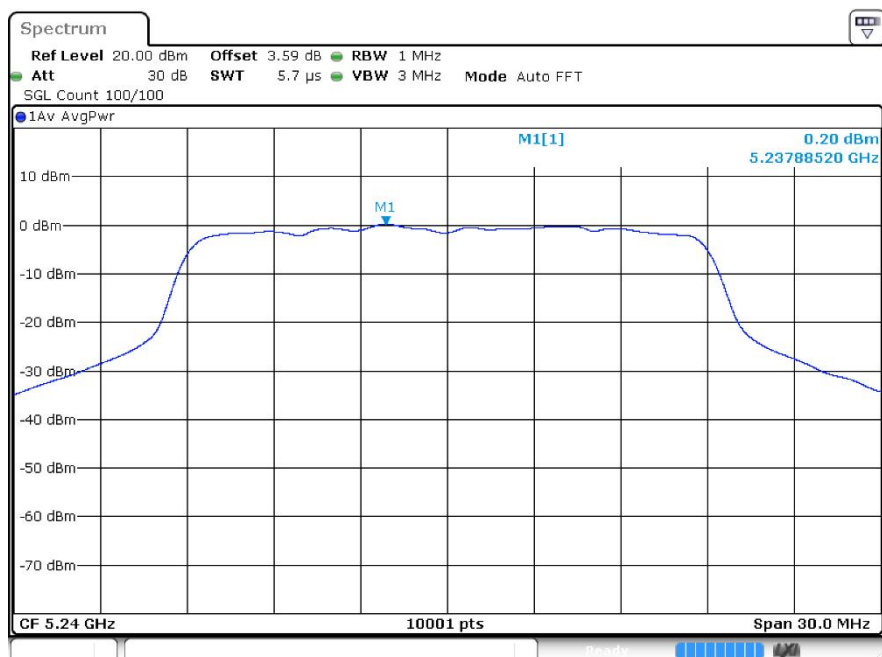
PSD n20 5180MHz Ant1



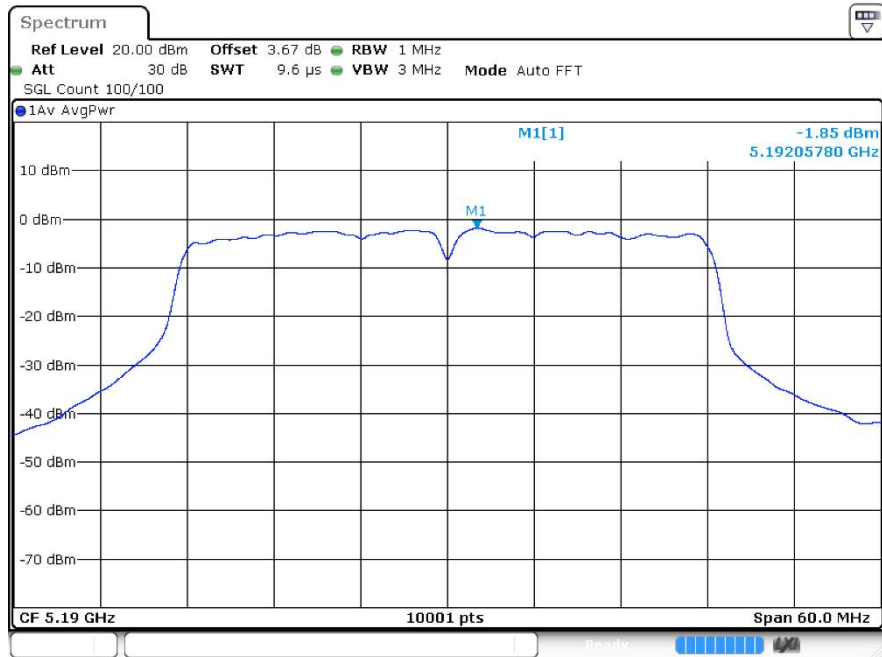
PSD n20 5200MHz Ant1



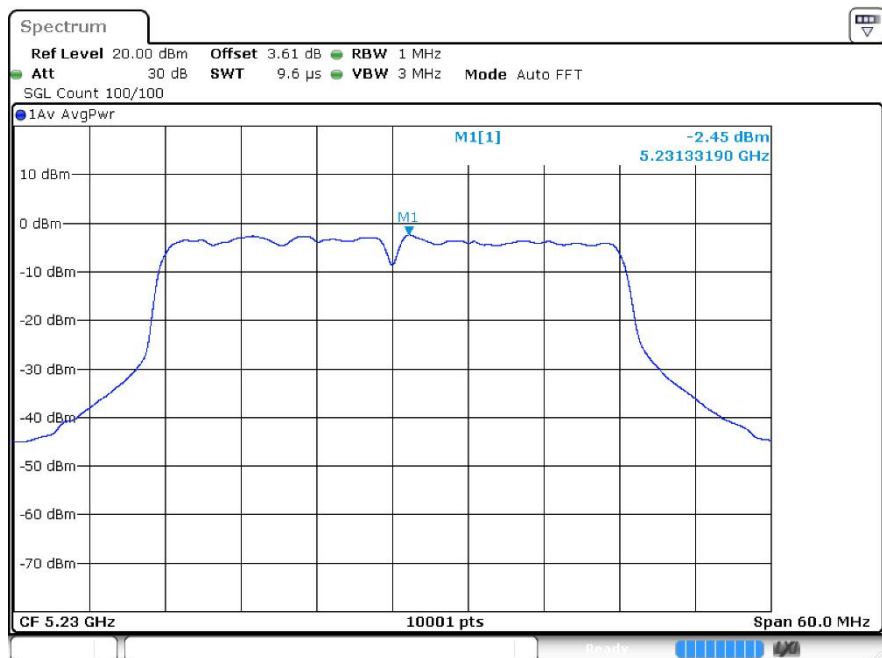
PSD n20 5240MHz Ant1



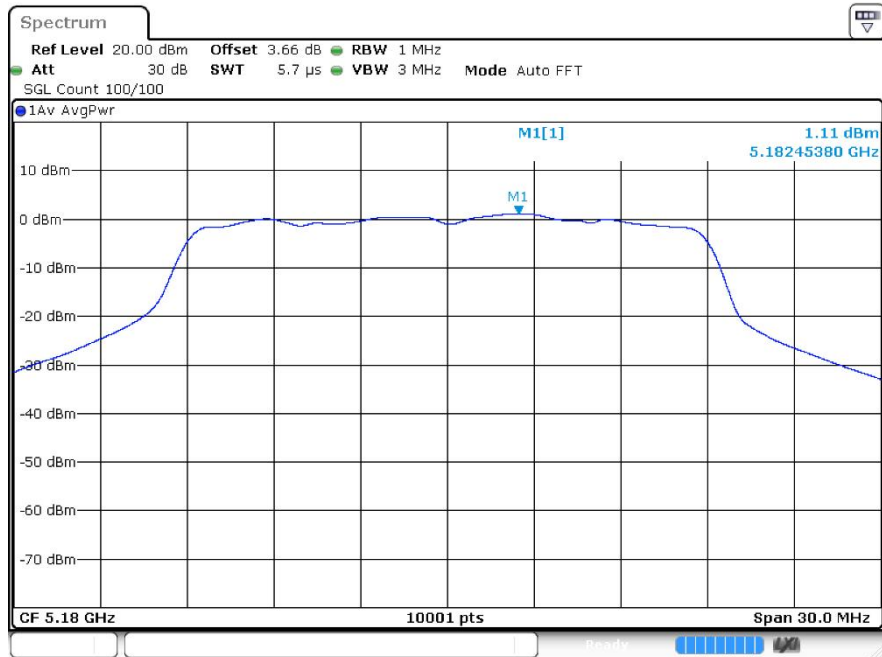
PSD n40 5190MHz Ant1



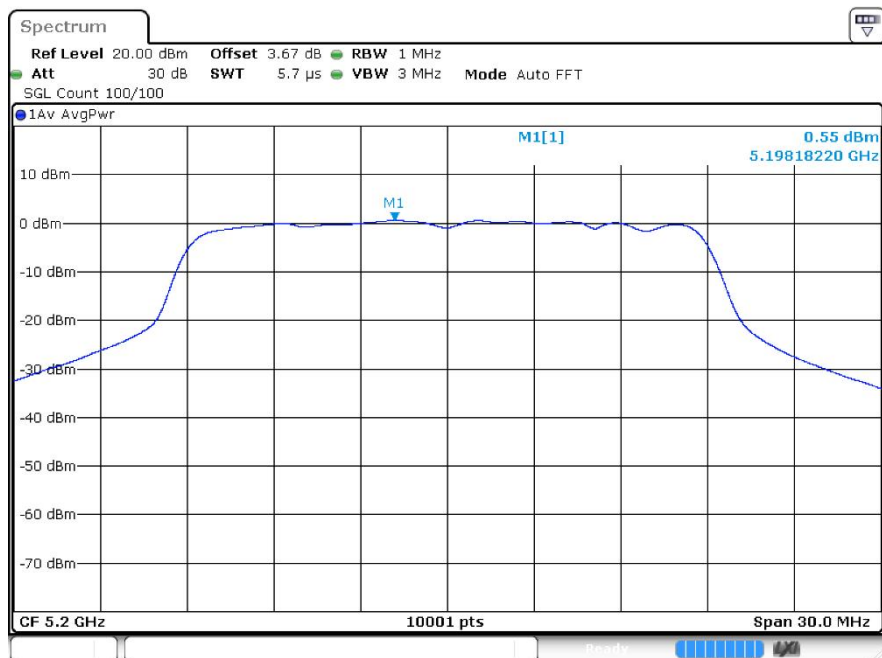
PSD n40 5230MHz Ant1



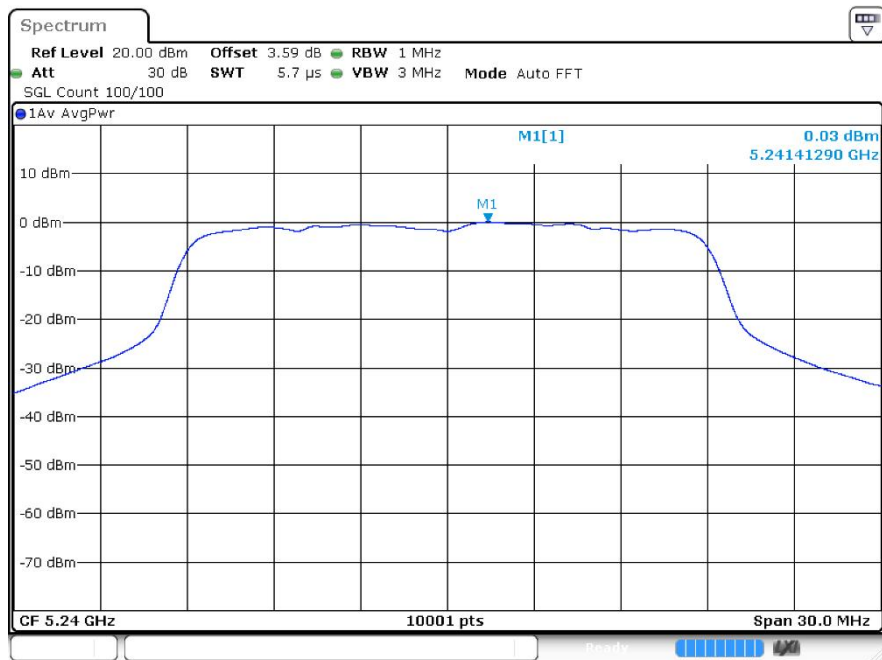
PSD ac20 5180MHz Ant1



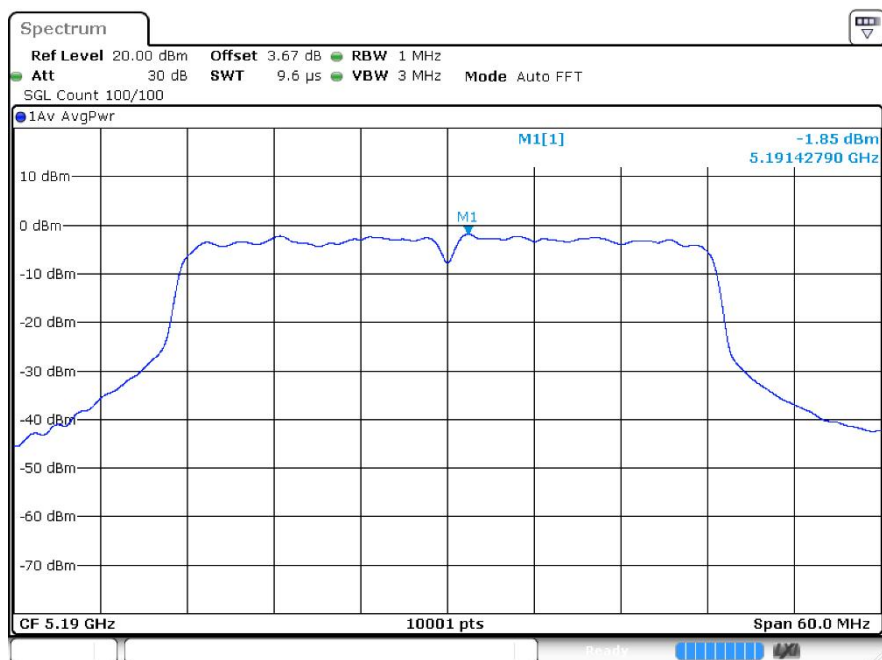
PSD ac20 5200MHz Ant1



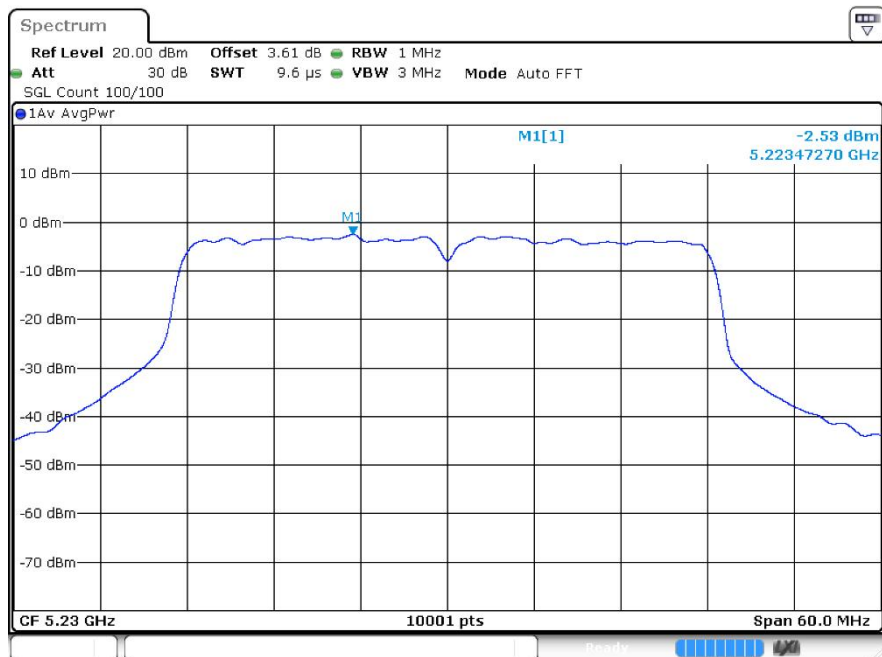
PSD ac20 5240MHz Ant1



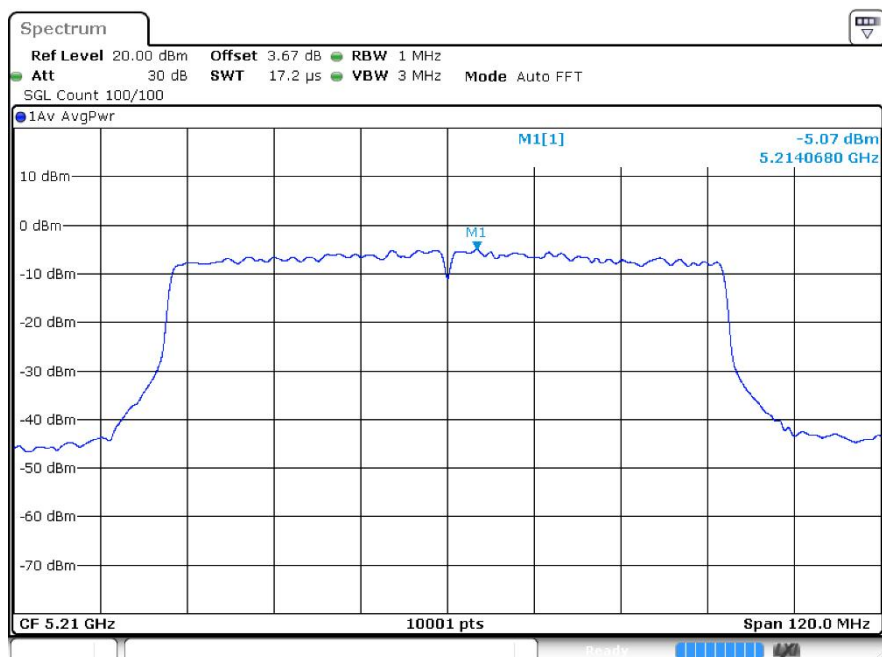
PSD ac40 5190MHz Ant1



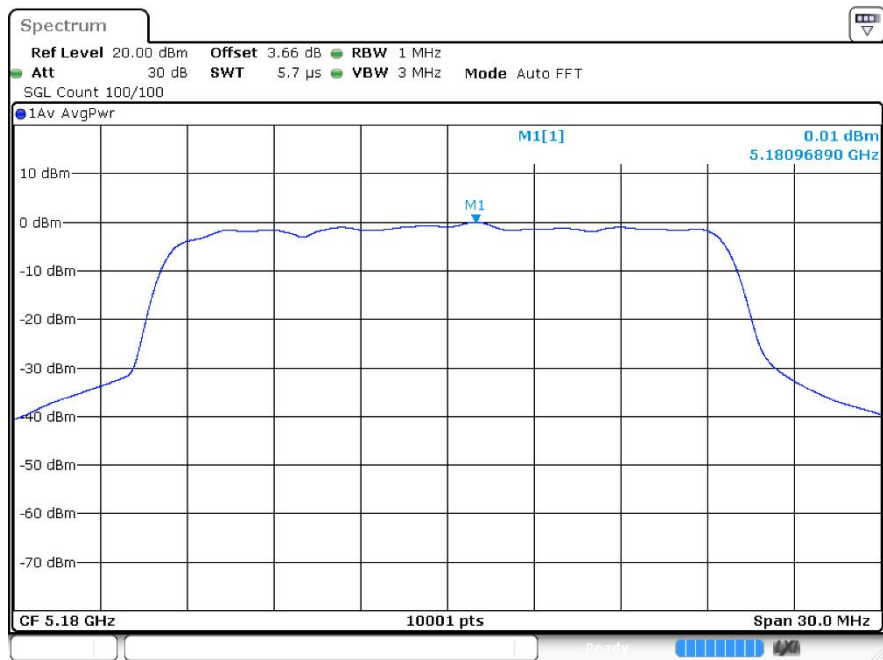
PSD ac40 5230MHz Ant1



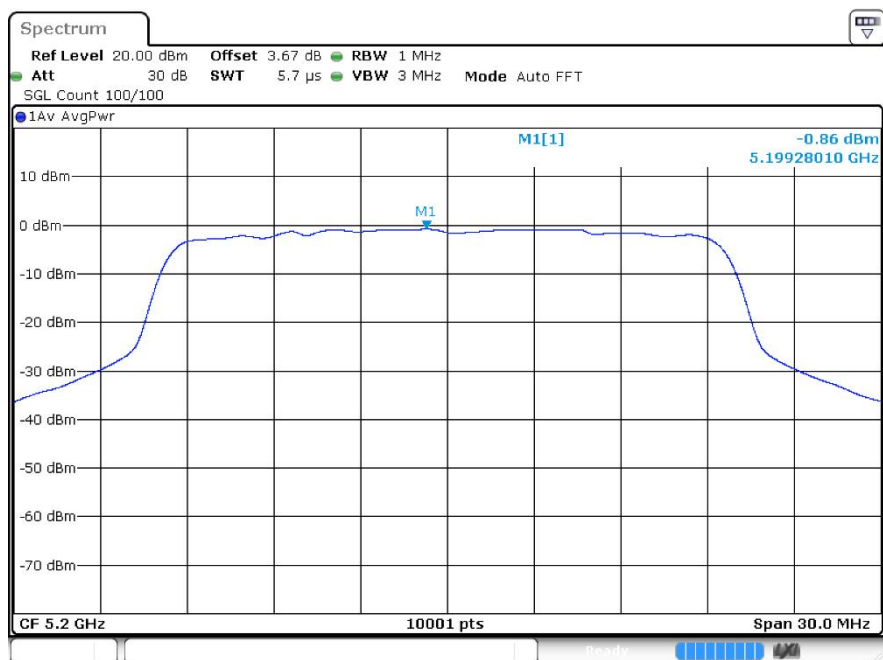
PSD ac80 5210MHz Ant1



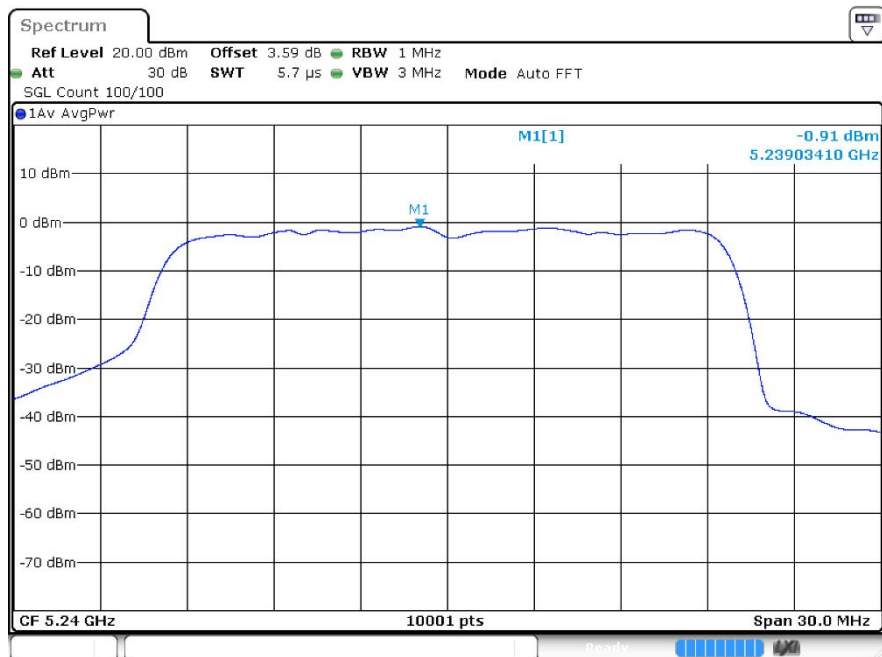
PSD ax20 5180MHz Ant1



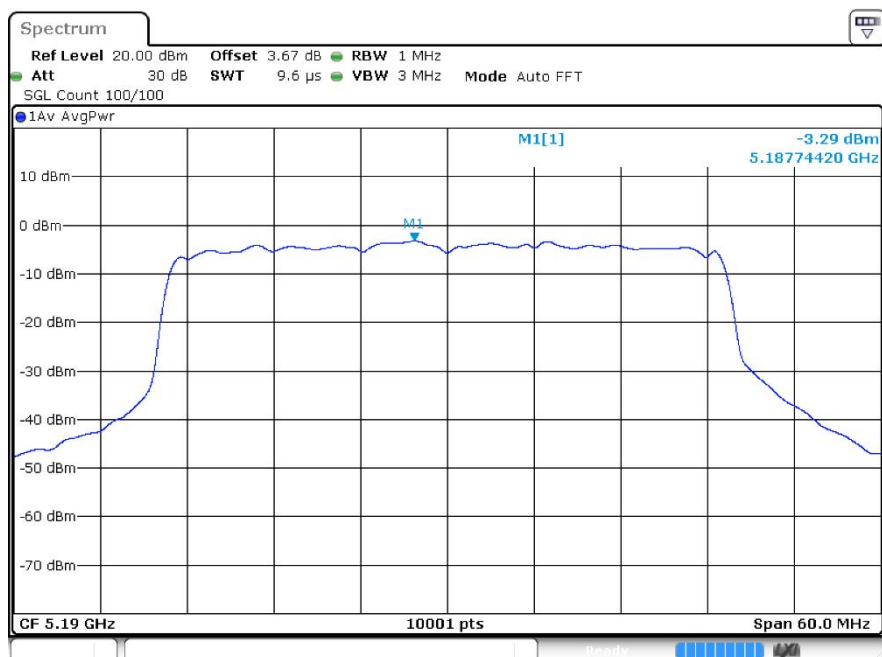
PSD ax20 5200MHz Ant1



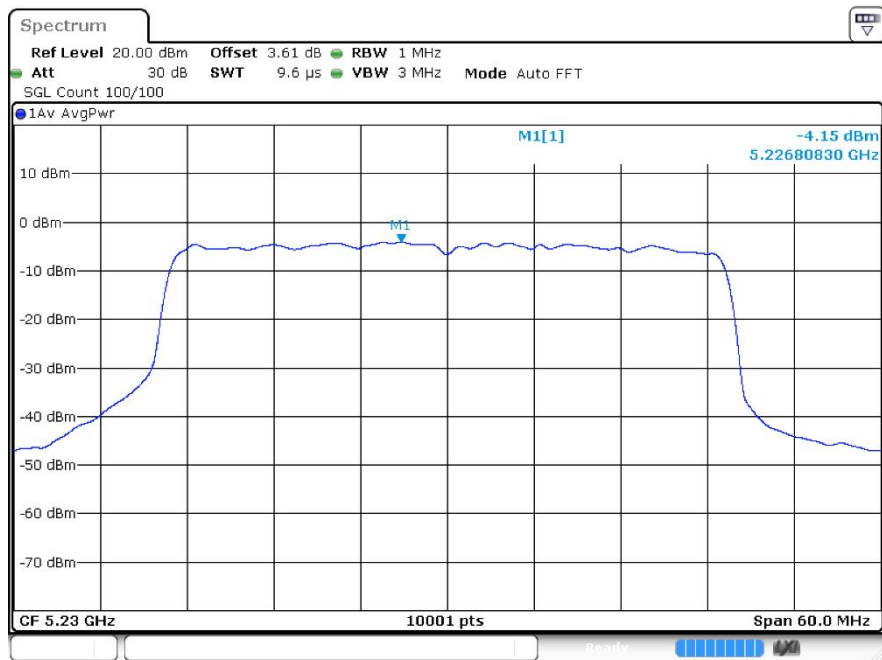
PSD ax20 5240MHz Ant1



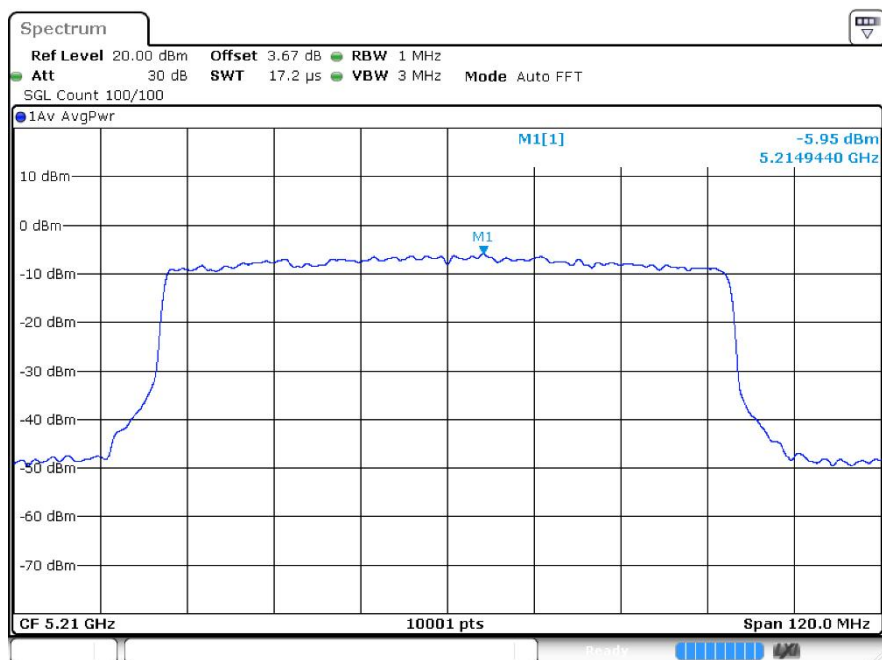
PSD ax40 5190MHz Ant1



PSD ax40 5230MHz Ant1



PSD ax80 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 10.2V	a	5180	Ant1	5180.02	20000	3.86	25	Pass
20C 12V	a	5180	Ant1	5180	0	0	25	Pass
20C 13.8V	a	5180	Ant1	5180.02	20000	3.86	25	Pass
-20C 12V	a	5180	Ant1	5180	0	0	25	Pass
-10C 12V	a	5180	Ant1	5180	0	0	25	Pass
0C 12V	a	5180	Ant1	5180.02	20000	3.86	25	Pass
10C 12V	a	5180	Ant1	5180.02	20000	3.86	25	Pass
30C 12V	a	5180	Ant1	5180.02	20000	3.86	25	Pass
40C 12V	a	5180	Ant1	5180	0	0	25	Pass
50C 12V	a	5180	Ant1	5180.02	20000	3.86	25	Pass
20C 10.2V	a	5200	Ant1	5200	0	0	25	Pass
20C 12V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 13.8V	a	5200	Ant1	5200	0	0	25	Pass
-20C 12V	a	5200	Ant1	5200.02	20000	3.85	25	Pass
-10C 12V	a	5200	Ant1	5200.02	20000	3.85	25	Pass
0C 12V	a	5200	Ant1	5200	0	0	25	Pass
10C 12V	a	5200	Ant1	5200.02	20000	3.85	25	Pass
30C 12V	a	5200	Ant1	5200.02	20000	3.85	25	Pass
40C 12V	a	5200	Ant1	5200	0	0	25	Pass
20C 10.2V	a	5200	Ant1	5200	0	0	25	Pass
20C 10.2V	a	5240	Ant1	5240	0	0	25	Pass
20C 12V	a	5240	Ant1	5240.02	20000	3.82	25	Pass
20C 13.8V	a	5240	Ant1	5240	0	0	25	Pass
-20C 12V	a	5240	Ant1	5240	0	0	25	Pass
-10C 12V	a	5240	Ant1	5240	0	0	25	Pass
0C 12V	a	5240	Ant1	5240.02	20000	3.82	25	Pass
10C 12V	a	5240	Ant1	5240	0	0	25	Pass
30C 12V	a	5240	Ant1	5240.02	20000	3.82	25	Pass
40C 12V	a	5240	Ant1	5240.02	20000	3.82	25	Pass
50C 12V	a	5240	Ant1	5240	0	0	25	Pass
20C 10.2V	n20	5180	Ant1	5180	0	0	25	Pass
20C 12V	n20	5180	Ant1	5180	0	0	25	Pass
20C 13.8V	n20	5180	Ant1	5180	0	0	25	Pass
-20C 12V	n20	5180	Ant1	5180	0	0	25	Pass
-10C 12V	n20	5180	Ant1	5180	0	0	25	Pass
0C 12V	n20	5180	Ant1	5180	0	0	25	Pass



10C 12V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
30C 12V	n20	5180	Ant1	5180	0	0	25	Pass
40C 12V	n20	5180	Ant1	5180	0	0	25	Pass
50C 12V	n20	5180	Ant1	5180	0	0	25	Pass
20C 10.2V	n20	5200	Ant1	5200	0	0	25	Pass
20C 12V	n20	5200	Ant1	5200.02	20000	3.85	25	Pass
20C 13.8V	n20	5200	Ant1	5200	0	0	25	Pass
-20C 12V	n20	5200	Ant1	5200.02	20000	3.85	25	Pass
-10C 12V	n20	5200	Ant1	5200.04	40000	7.69	25	Pass
0C 12V	n20	5200	Ant1	5200.02	20000	3.85	25	Pass
10C 12V	n20	5200	Ant1	5200.02	20000	3.85	25	Pass
30C 12V	n20	5200	Ant1	5200.02	20000	3.85	25	Pass
40C 12V	n20	5200	Ant1	5200.02	20000	3.85	25	Pass
50C 12V	n20	5200	Ant1	5200	0	0	25	Pass
20C 10.2V	n20	5240	Ant1	5240.02	20000	3.82	25	Pass
20C 12V	n20	5240	Ant1	5240.02	20000	3.82	25	Pass
20C 13.8V	n20	5240	Ant1	5240.02	20000	3.82	25	Pass
-20C 12V	n20	5240	Ant1	5240	0	0	25	Pass
-10C 12V	n20	5240	Ant1	5240	0	0	25	Pass
0C 12V	n20	5240	Ant1	5240	0	0	25	Pass
10C 12V	n20	5240	Ant1	5240.02	20000	3.82	25	Pass
30C 12V	n20	5240	Ant1	5240	0	0	25	Pass
40C 12V	n20	5240	Ant1	5240.02	20000	3.82	25	Pass
50C 12V	n20	5240	Ant1	5240.02	20000	3.82	25	Pass
20C 10.2V	n40	5190	Ant1	5190.04	40000	7.71	25	Pass
20C 12V	n40	5190	Ant1	5190	0	0	25	Pass
20C 13.8V	n40	5190	Ant1	5190	0	0	25	Pass
-20C 12V	n40	5190	Ant1	5190.04	40000	7.71	25	Pass
-10C 12V	n40	5190	Ant1	5190	0	0	25	Pass
0C 12V	n40	5190	Ant1	5190.04	40000	7.71	25	Pass
10C 12V	n40	5190	Ant1	5190	0	0	25	Pass
30C 12V	n40	5190	Ant1	5190	0	0	25	Pass
40C 12V	n40	5190	Ant1	5190	0	0	25	Pass
50C 12V	n40	5190	Ant1	5190.04	40000	7.71	25	Pass
20C 10.2V	n40	5230	Ant1	5230	0	0	25	Pass
20C 12V	n40	5230	Ant1	5230	0	0	25	Pass
20C 13.8V	n40	5230	Ant1	5230.04	40000	7.65	25	Pass
-20C 12V	n40	5230	Ant1	5230.04	40000	7.65	25	Pass
-10C 12V	n40	5230	Ant1	5230	0	0	25	Pass
0C 12V	n40	5230	Ant1	5230.04	40000	7.65	25	Pass
10C 12V	n40	5230	Ant1	5230.04	40000	7.65	25	Pass
30C 12V	n40	5230	Ant1	5230.04	40000	7.65	25	Pass
40C 12V	n40	5230	Ant1	5230	0	0	25	Pass



50C 12V	n40	5230	Ant1	5230	0	0	25	Pass
20C 10.2V	ac20	5180	Ant1	5180.02	20000	3.86	25	Pass
20C 12V	ac20	5180	Ant1	5180	0	0	25	Pass
20C 13.8V	ac20	5180	Ant1	5180	0	0	25	Pass
-20C 12V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-10C 12V	ac20	5180	Ant1	5180.02	20000	3.86	25	Pass
0C 12V	ac20	5180	Ant1	5180	0	0	25	Pass
10C 12V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
30C 12V	ac20	5180	Ant1	5180	0	0	25	Pass
40C 12V	ac20	5180	Ant1	5180	0	0	25	Pass
50C 12V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 10.2V	ac20	5200	Ant1	5200.02	20000	3.85	25	Pass
20C 12V	ac20	5200	Ant1	5200.02	20000	3.85	25	Pass
20C 13.8V	ac20	5200	Ant1	5200	0	0	25	Pass
-20C 12V	ac20	5200	Ant1	5200.02	20000	3.85	25	Pass
-10C 12V	ac20	5200	Ant1	5200.02	20000	3.85	25	Pass
0C 12V	ac20	5200	Ant1	5200	0	0	25	Pass
10C 12V	ac20	5200	Ant1	5200.02	20000	3.85	25	Pass
30C 12V	ac20	5200	Ant1	5200	0	0	25	Pass
40C 12V	ac20	5200	Ant1	5200	0	0	25	Pass
50C 12V	ac20	5200	Ant1	5200.02	20000	3.85	25	Pass
20C 10.2V	ac20	5240	Ant1	5240	0	0	25	Pass
20C 12V	ac20	5240	Ant1	5240	0	0	25	Pass
20C 13.8V	ac20	5240	Ant1	5240.02	20000	3.82	25	Pass
-20C 12V	ac20	5240	Ant1	5240	0	0	25	Pass
-10C 12V	ac20	5240	Ant1	5240.02	20000	3.82	25	Pass
0C 12V	ac20	5240	Ant1	5240.02	20000	3.82	25	Pass
10C 12V	ac20	5240	Ant1	5240.02	20000	3.82	25	Pass
30C 12V	ac20	5240	Ant1	5240.02	20000	3.82	25	Pass
40C 12V	ac20	5240	Ant1	5240.02	20000	3.82	25	Pass
50C 12V	ac20	5240	Ant1	5240.02	20000	3.82	25	Pass
20C 10.2V	ac40	5190	Ant1	5190	0	0	25	Pass
20C 12V	ac40	5190	Ant1	5190.04	40000	7.71	25	Pass
20C 13.8V	ac40	5190	Ant1	5190	0	0	25	Pass
-20C 12V	ac40	5190	Ant1	5190	0	0	25	Pass
-10C 12V	ac40	5190	Ant1	5190	0	0	25	Pass
0C 12V	ac40	5190	Ant1	5190.04	40000	7.71	25	Pass
10C 12V	ac40	5190	Ant1	5190	0	0	25	Pass
30C 12V	ac40	5190	Ant1	5190	0	0	25	Pass
40C 12V	ac40	5190	Ant1	5190	0	0	25	Pass
50C 12V	ac40	5190	Ant1	5190	0	0	25	Pass
20C 10.2V	ac40	5230	Ant1	5230.04	40000	7.65	25	Pass
20C 12V	ac40	5230	Ant1	5230	0	0	25	Pass



20C 13.8V	ac40	5230	Ant1	5230	0	0	25	Pass
-20C 12V	ac40	5230	Ant1	5230.04	40000	7.65	25	Pass
-10C 12V	ac40	5230	Ant1	5230	0	0	25	Pass
0C 12V	ac40	5230	Ant1	5230	0	0	25	Pass
10C 12V	ac40	5230	Ant1	5230.04	40000	7.65	25	Pass
30C 12V	ac40	5230	Ant1	5230	0	0	25	Pass
40C 12V	ac40	5230	Ant1	5230	0	0	25	Pass
50C 12V	ac40	5230	Ant1	5230.04	40000	7.65	25	Pass
20C 10.2V	ac80	5210	Ant1	5210	0	0	25	Pass
20C 12V	ac80	5210	Ant1	5210	0	0	25	Pass
20C 13.8V	ac80	5210	Ant1	5210	0	0	25	Pass
-20C 12V	ac80	5210	Ant1	5210	0	0	25	Pass
-10C 12V	ac80	5210	Ant1	5210	0	0	25	Pass
0C 12V	ac80	5210	Ant1	5210	0	0	25	Pass
10C 12V	ac80	5210	Ant1	5210	0	0	25	Pass
30C 12V	ac80	5210	Ant1	5210	0	0	25	Pass
40C 12V	ac80	5210	Ant1	5210	0	0	25	Pass
50C 12V	ac80	5210	Ant1	5210	0	0	25	Pass
20C 10.2V	ax20	5180	Ant1	5180.02	20000	3.86	25	Pass
20C 12V	ax20	5180	Ant1	5180	0	0	25	Pass
20C 13.8V	ax20	5180	Ant1	5180.02	20000	3.86	25	Pass
-20C 12V	ax20	5180	Ant1	5180.02	20000	3.86	25	Pass
-10C 12V	ax20	5180	Ant1	5180.02	20000	3.86	25	Pass
0C 12V	ax20	5180	Ant1	5180	0	0	25	Pass
10C 12V	ax20	5180	Ant1	5180.02	20000	3.86	25	Pass
30C 12V	ax20	5180	Ant1	5180.02	20000	3.86	25	Pass
40C 12V	ax20	5180	Ant1	5180.02	20000	3.86	25	Pass
50C 12V	ax20	5180	Ant1	5180.02	20000	3.86	25	Pass
20C 10.2V	ax20	5200	Ant1	5200.02	20000	3.85	25	Pass
20C 12V	ax20	5200	Ant1	5200	0	0	25	Pass
20C 13.8V	ax20	5200	Ant1	5200.02	20000	3.85	25	Pass
-20C 12V	ax20	5200	Ant1	5200	0	0	25	Pass
-10C 12V	ax20	5200	Ant1	5200.02	20000	3.85	25	Pass
0C 12V	ax20	5200	Ant1	5200	0	0	25	Pass
10C 12V	ax20	5200	Ant1	5200.02	20000	3.85	25	Pass
30C 12V	ax20	5200	Ant1	5200.02	20000	3.85	25	Pass
40C 12V	ax20	5200	Ant1	5200.02	20000	3.85	25	Pass
50C 12V	ax20	5200	Ant1	5200.02	20000	3.85	25	Pass
20C 10.2V	ax20	5240	Ant1	5240.02	20000	3.82	25	Pass
20C 12V	ax20	5240	Ant1	5240	0	0	25	Pass
20C 13.8V	ax20	5240	Ant1	5240.02	20000	3.82	25	Pass
-20C 12V	ax20	5240	Ant1	5240.02	20000	3.82	25	Pass
-10C 12V	ax20	5240	Ant1	5240.02	20000	3.82	25	Pass



0C 12V	ax20	5240	Ant1	5240.02	20000	3.82	25	Pass
10C 12V	ax20	5240	Ant1	5240.02	20000	3.82	25	Pass
30C 12V	ax20	5240	Ant1	5240.02	20000	3.82	25	Pass
40C 12V	ax20	5240	Ant1	5240	0	0	25	Pass
50C 12V	ax20	5240	Ant1	5240.02	20000	3.82	25	Pass
20C 10.2V	ax40	5190	Ant1	5190	0	0	25	Pass
20C 12V	ax40	5190	Ant1	5190	0	0	25	Pass
20C 13.8V	ax40	5190	Ant1	5190	0	0	25	Pass
-20C 12V	ax40	5190	Ant1	5190	0	0	25	Pass
-10C 12V	ax40	5190	Ant1	5190	0	0	25	Pass
0C 12V	ax40	5190	Ant1	5190	0	0	25	Pass
10C 12V	ax40	5190	Ant1	5190	0	0	25	Pass
30C 12V	ax40	5190	Ant1	5190	0	0	25	Pass
40C 12V	ax40	5190	Ant1	5190	0	0	25	Pass
50C 12V	ax40	5190	Ant1	5190	0	0	25	Pass
20C 10.2V	ax40	5230	Ant1	5230	0	0	25	Pass
20C 12V	ax40	5230	Ant1	5230	0	0	25	Pass
20C 13.8V	ax40	5230	Ant1	5230	0	0	25	Pass
-20C 12V	ax40	5230	Ant1	5230	0	0	25	Pass
-10C 12V	ax40	5230	Ant1	5230	0	0	25	Pass
0C 12V	ax40	5230	Ant1	5230	0	0	25	Pass
10C 12V	ax40	5230	Ant1	5230	0	0	25	Pass
30C 12V	ax40	5230	Ant1	5230	0	0	25	Pass
40C 12V	ax40	5230	Ant1	5230	0	0	25	Pass
50C 12V	ax40	5230	Ant1	5230	0	0	25	Pass
20C 10.2V	ax80	5210	Ant1	5210	0	0	25	Pass
20C 12V	ax80	5210	Ant1	5210	0	0	25	Pass
20C 13.8V	ax80	5210	Ant1	5210	0	0	25	Pass
-20C 12V	ax80	5210	Ant1	5210.08	80000	15.36	25	Pass
-10C 12V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
0C 12V	ax80	5210	Ant1	5210.08	80000	15.36	25	Pass
10C 12V	ax80	5210	Ant1	5210	0	0	25	Pass
30C 12V	ax80	5210	Ant1	5210.08	80000	15.36	25	Pass
40C 12V	ax80	5210	Ant1	5210.08	80000	15.36	25	Pass
50C 12V	ax80	5210	Ant1	5210	0	0	25	Pass

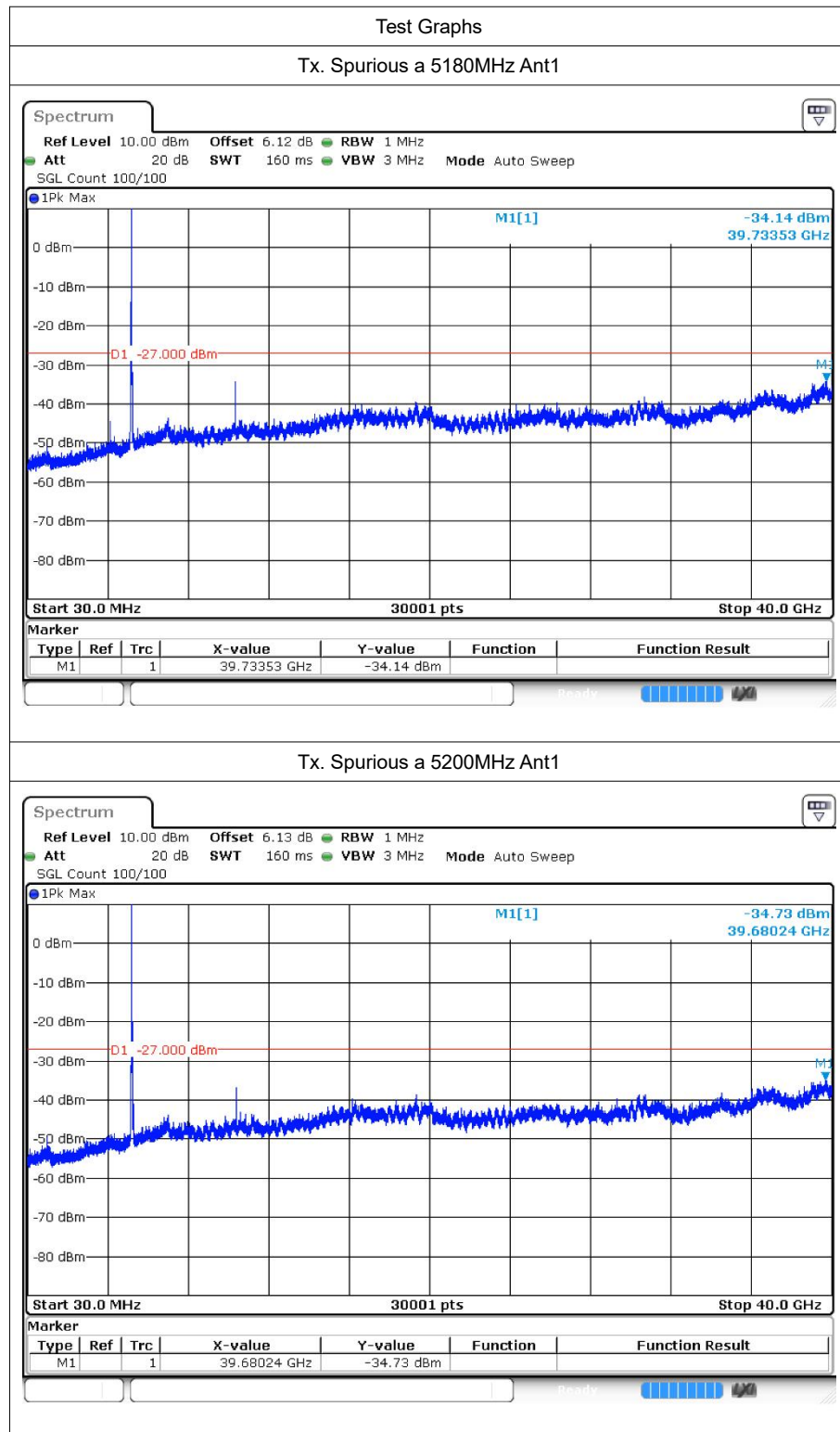


7 Conducted RF Spurious Emission

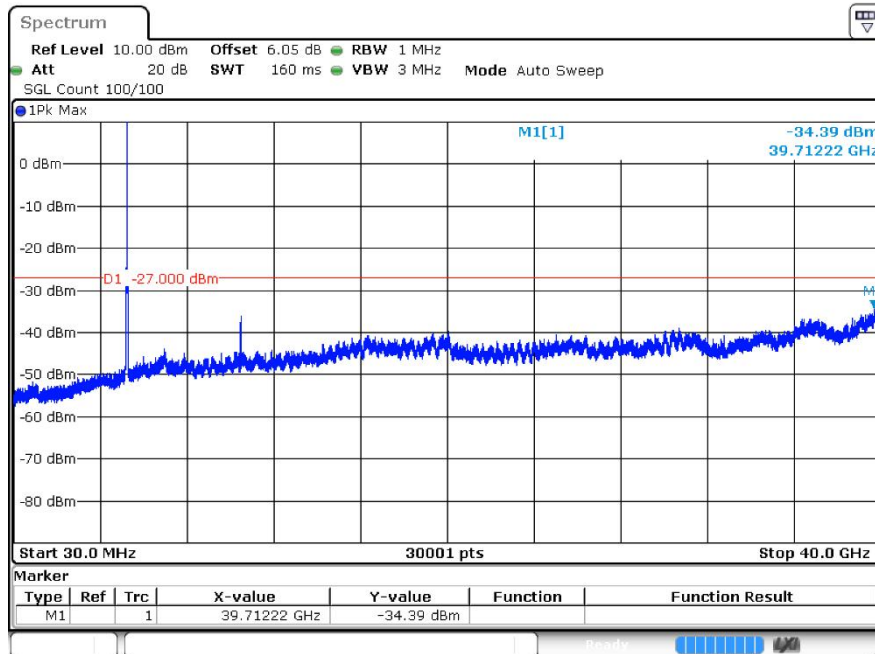
7.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
a	5180	Ant1	-34.13	-27	Pass
a	5200	Ant1	-34.72	-27	Pass
a	5240	Ant1	-34.38	-27	Pass
n20	5180	Ant1	-34.93	-27	Pass
n20	5200	Ant1	-33.33	-27	Pass
n20	5240	Ant1	-34.45	-27	Pass
n40	5190	Ant1	-34.77	-27	Pass
n40	5230	Ant1	-34.81	-27	Pass
ac20	5180	Ant1	-34.28	-27	Pass
ac20	5200	Ant1	-34.42	-27	Pass
ac20	5240	Ant1	-34.49	-27	Pass
ac40	5190	Ant1	-34.13	-27	Pass
ac40	5230	Ant1	-34.33	-27	Pass
ac80	5210	Ant1	-34.35	-27	Pass
ax20	5180	Ant1	-34.74	-27	Pass
ax20	5200	Ant1	-34.03	-27	Pass
ax20	5240	Ant1	-34.86	-27	Pass
ax40	5190	Ant1	-34.69	-27	Pass
ax40	5230	Ant1	-33.72	-27	Pass
ax80	5210	Ant1	-33.97	-27	Pass

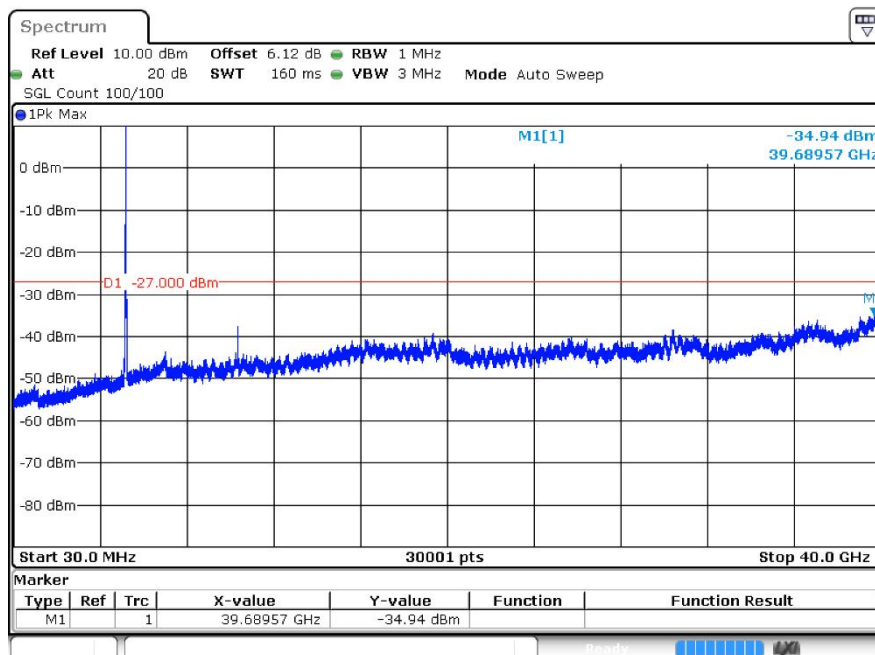
7.2 Test Graphs



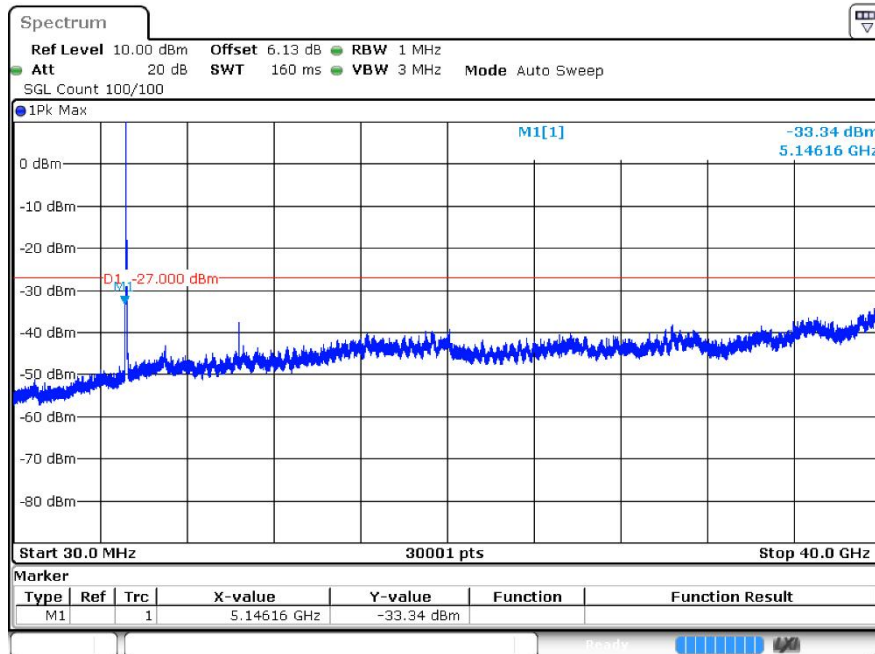
Tx. Spurious a 5240MHz Ant1



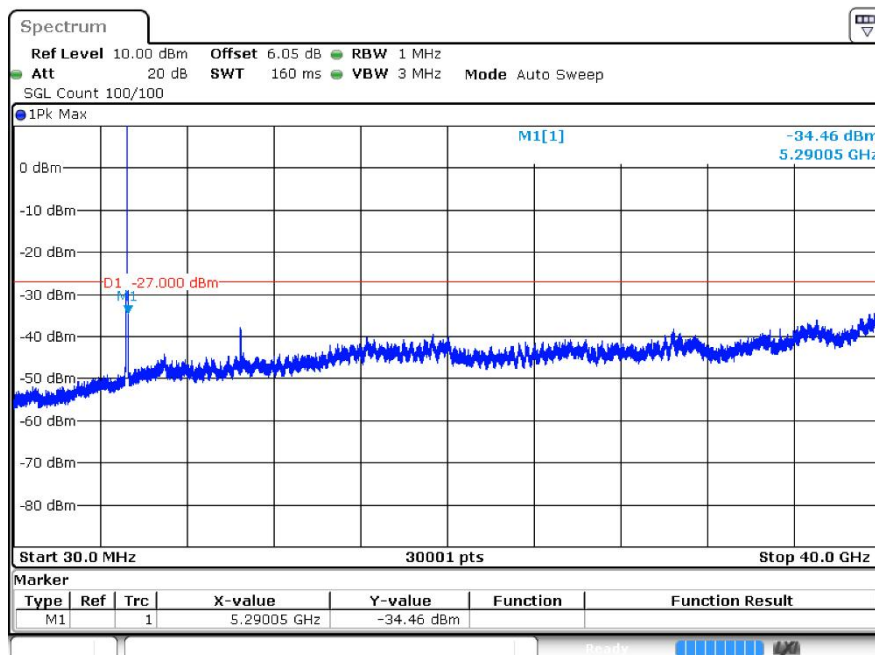
Tx. Spurious n20 5180MHz Ant1



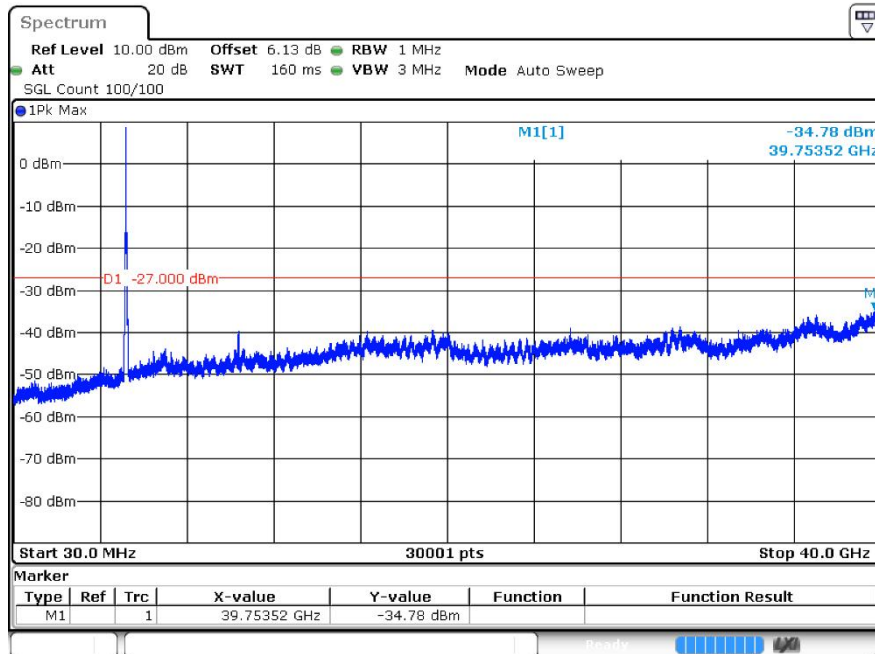
Tx. Spurious n20 5200MHz Ant1



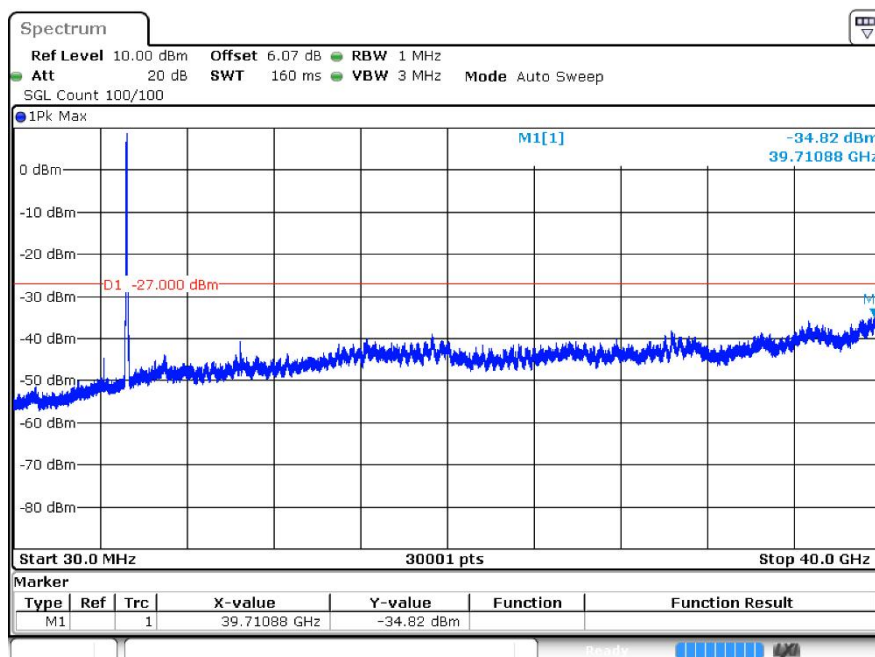
Tx. Spurious n20 5240MHz Ant1



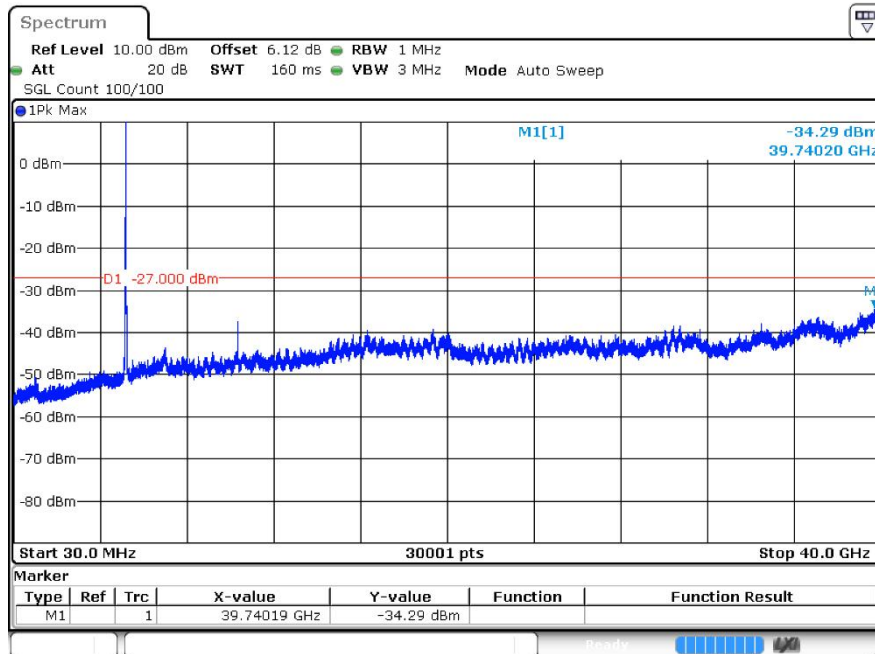
Tx. Spurious n40 5190MHz Ant1



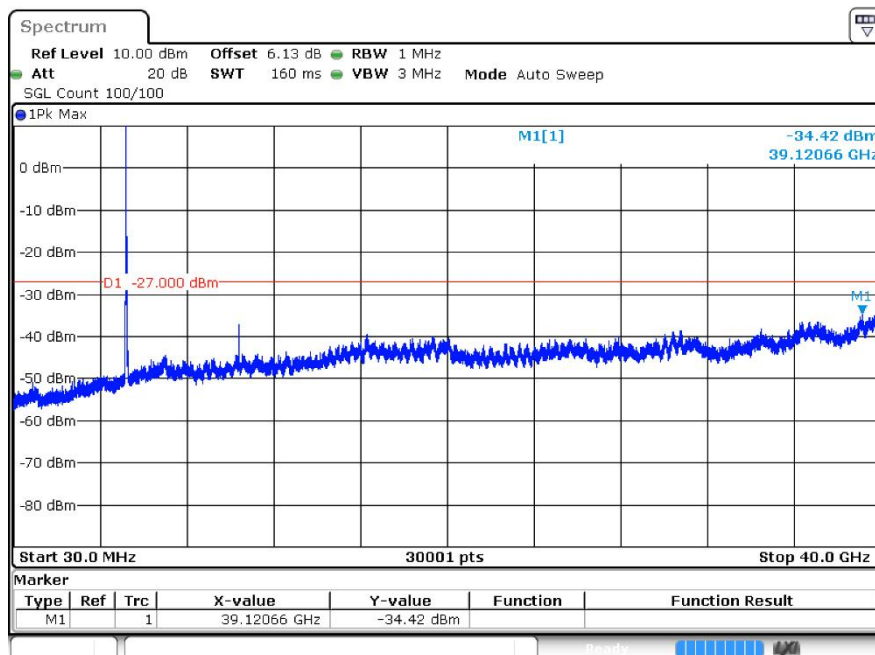
Tx. Spurious n40 5230MHz Ant1



Tx. Spurious ac20 5180MHz Ant1

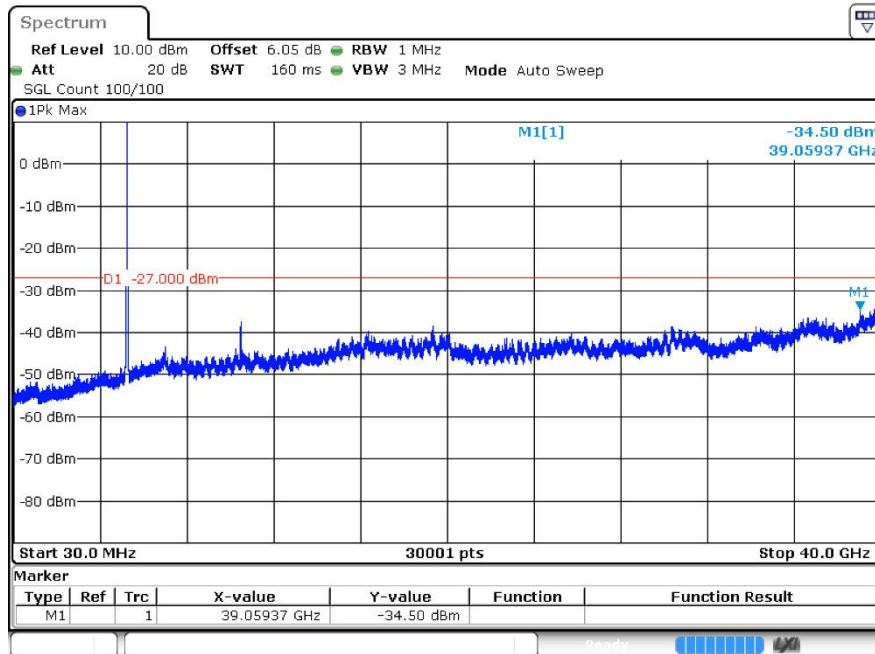


Tx. Spurious ac20 5200MHz Ant1

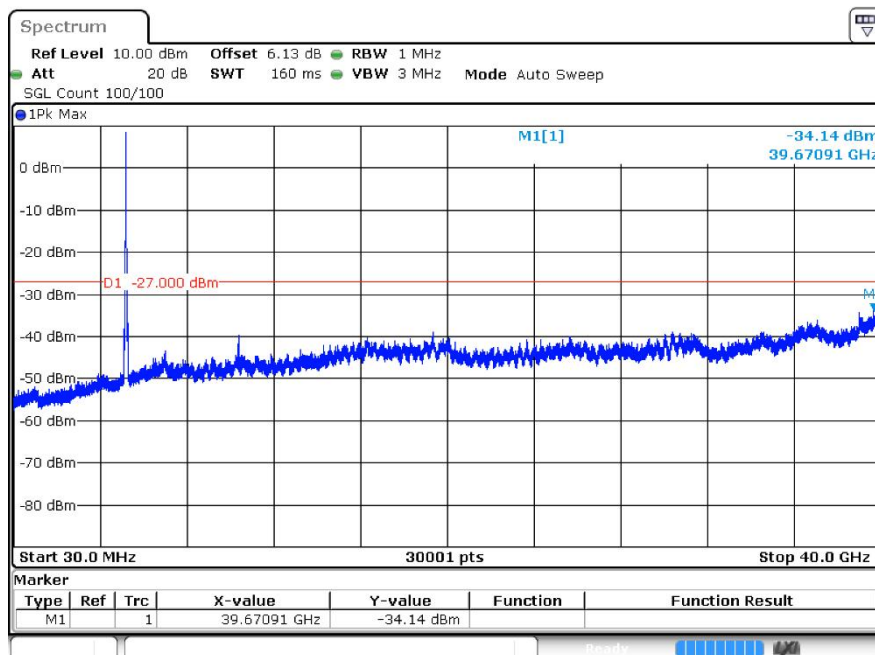




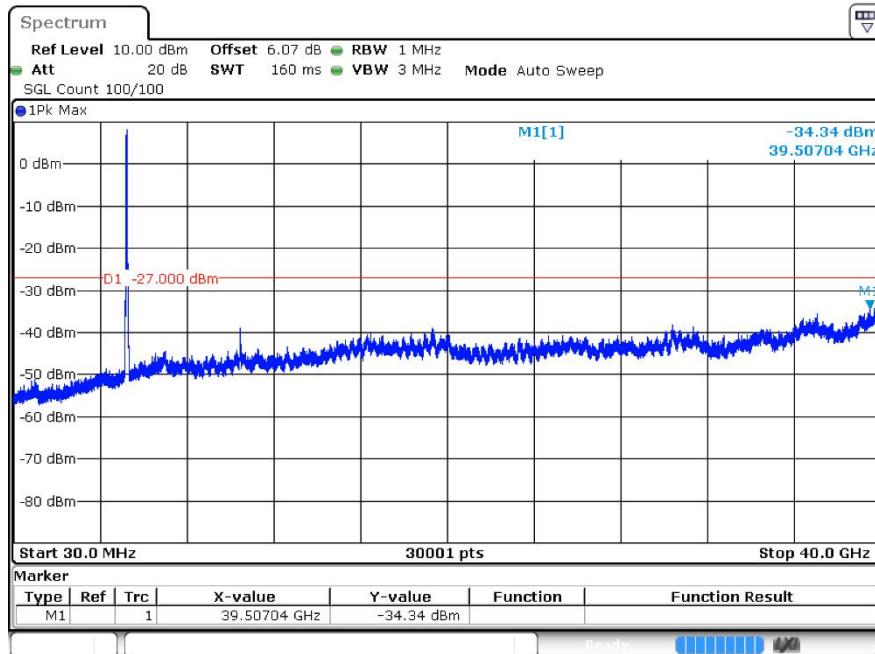
Tx. Spurious ac20 5240MHz Ant1



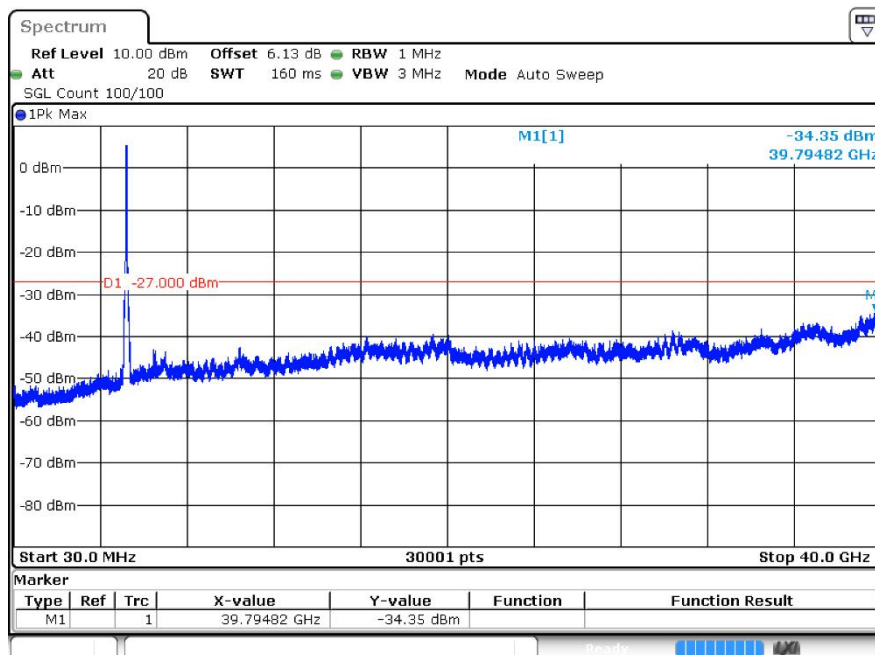
Tx. Spurious ac40 5190MHz Ant1



Tx. Spurious ac40 5230MHz Ant1

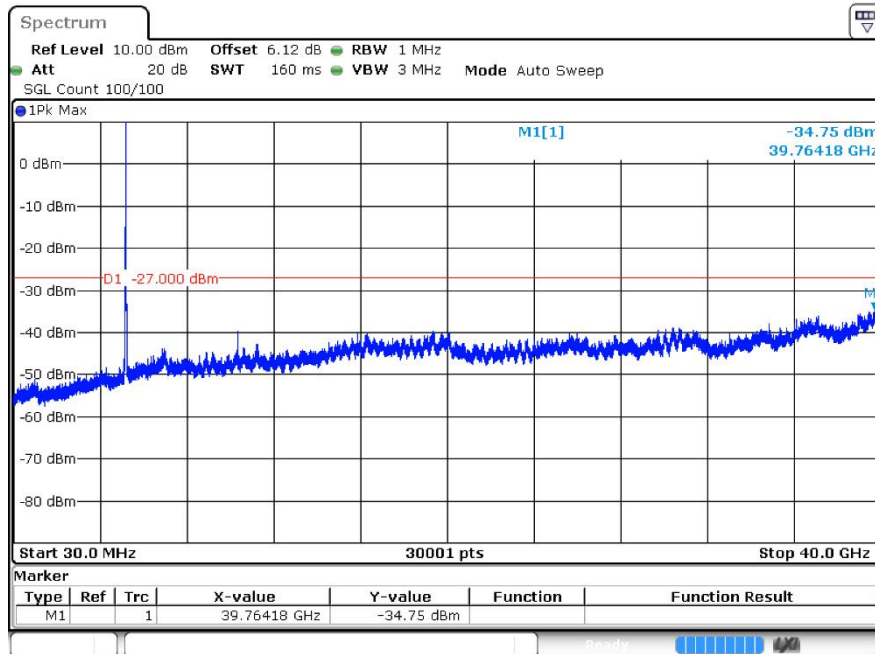


Tx. Spurious ac80 5210MHz Ant1

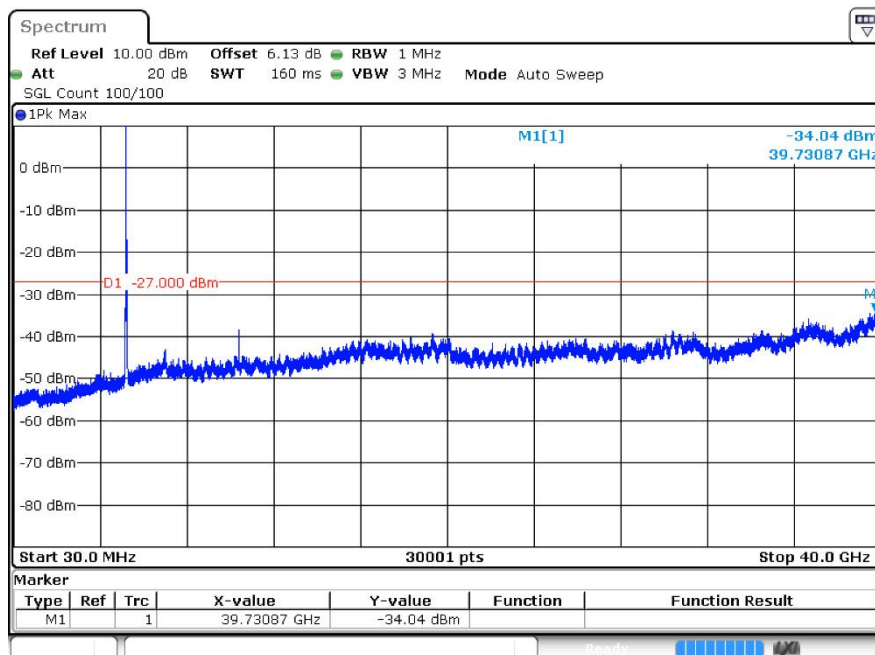




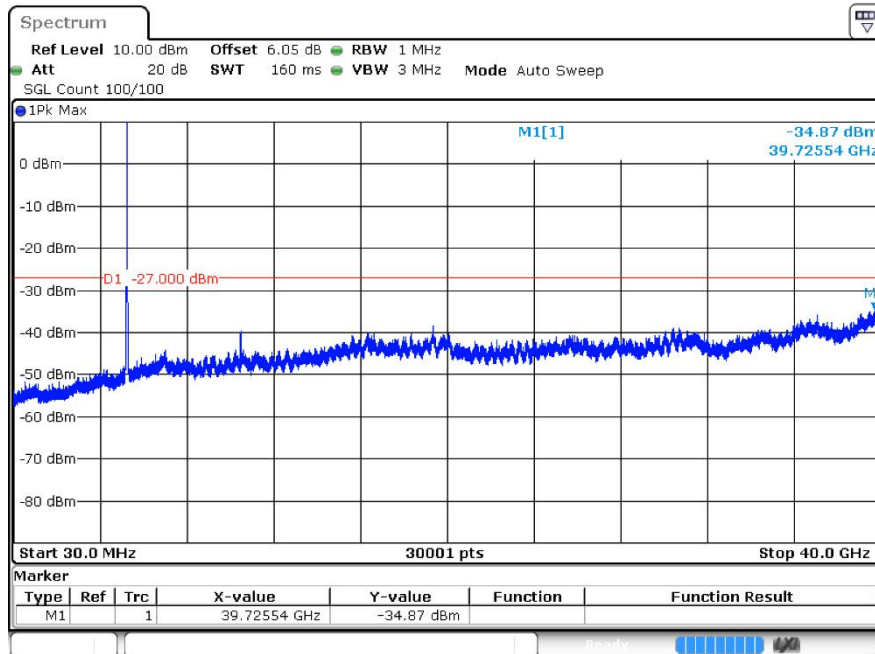
Tx. Spurious ax20 5180MHz Ant1



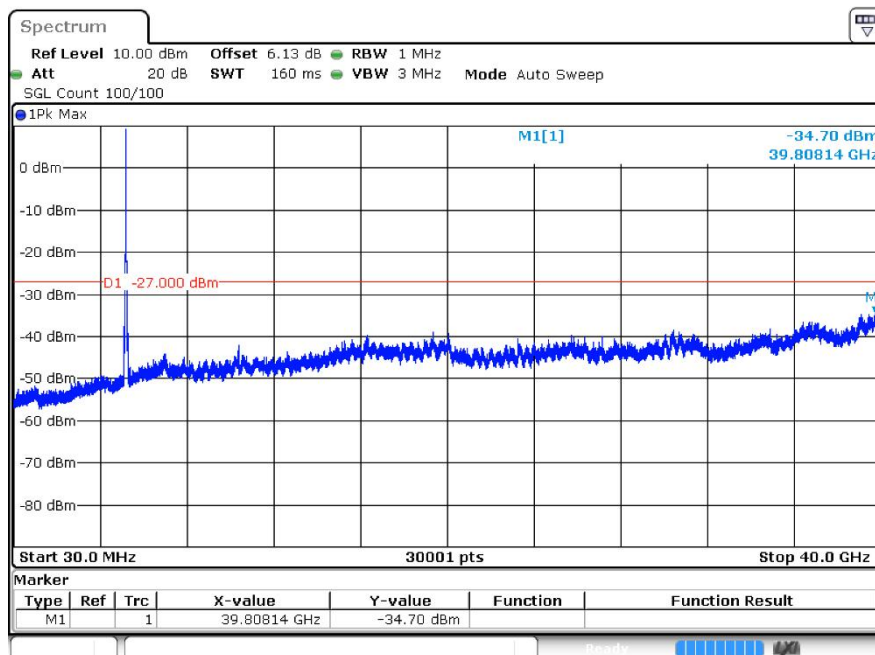
Tx. Spurious ax20 5200MHz Ant1



Tx. Spurious ax20 5240MHz Ant1

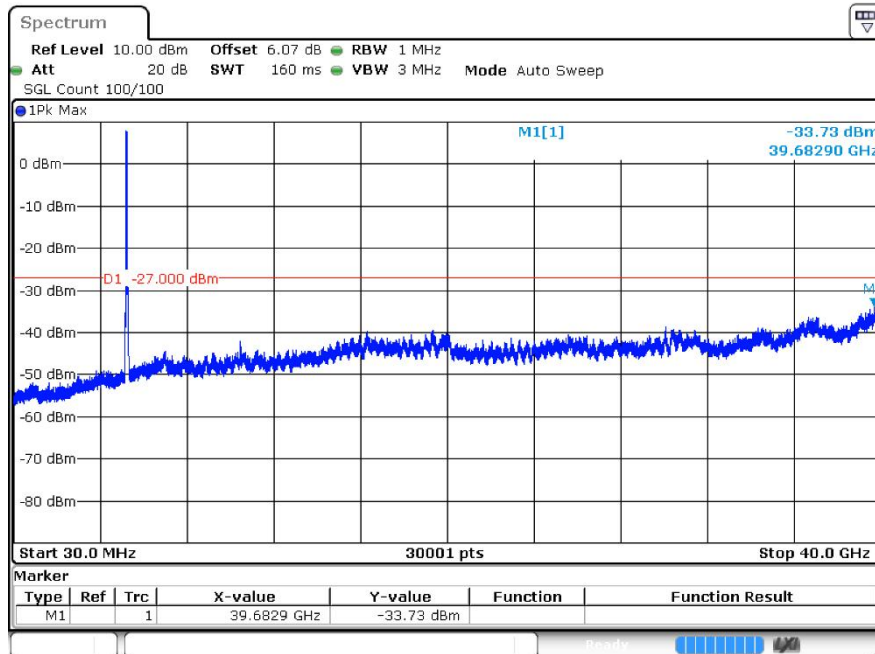


Tx. Spurious ax40 5190MHz Ant1

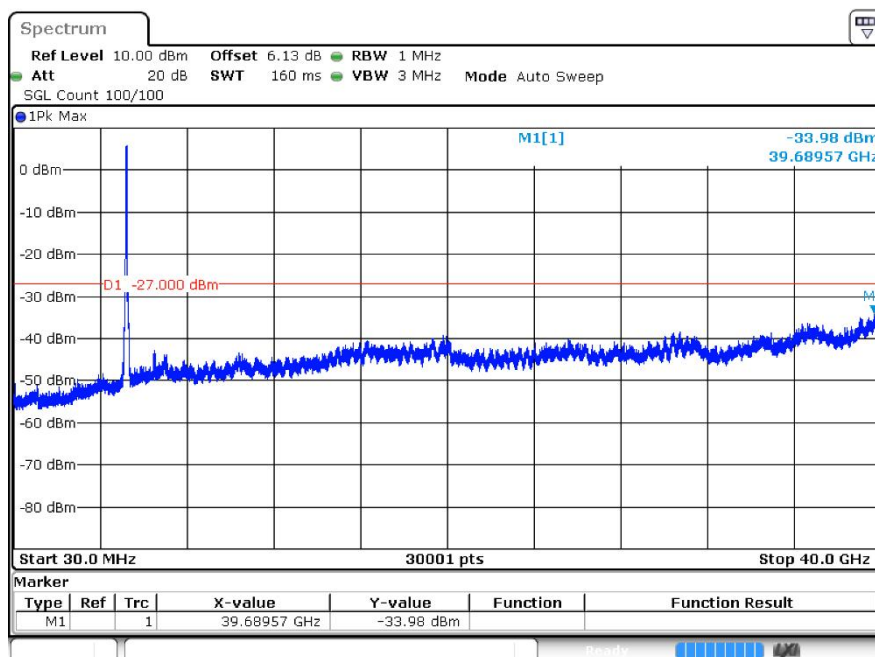




Tx. Spurious ax40 5230MHz Ant1



Tx. Spurious ax80 5210MHz Ant1



---The End---