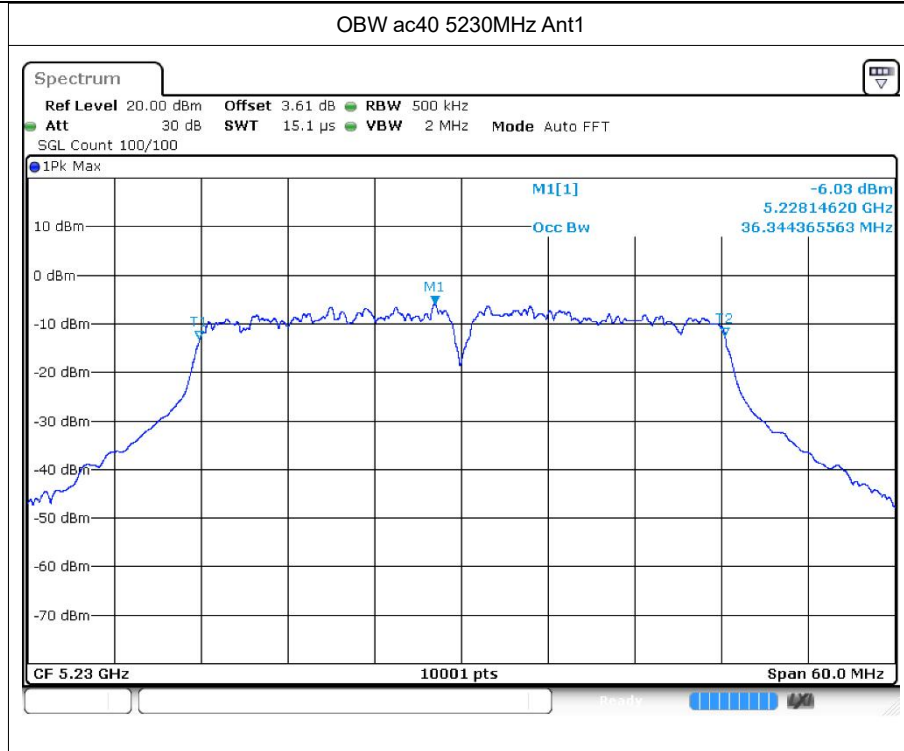
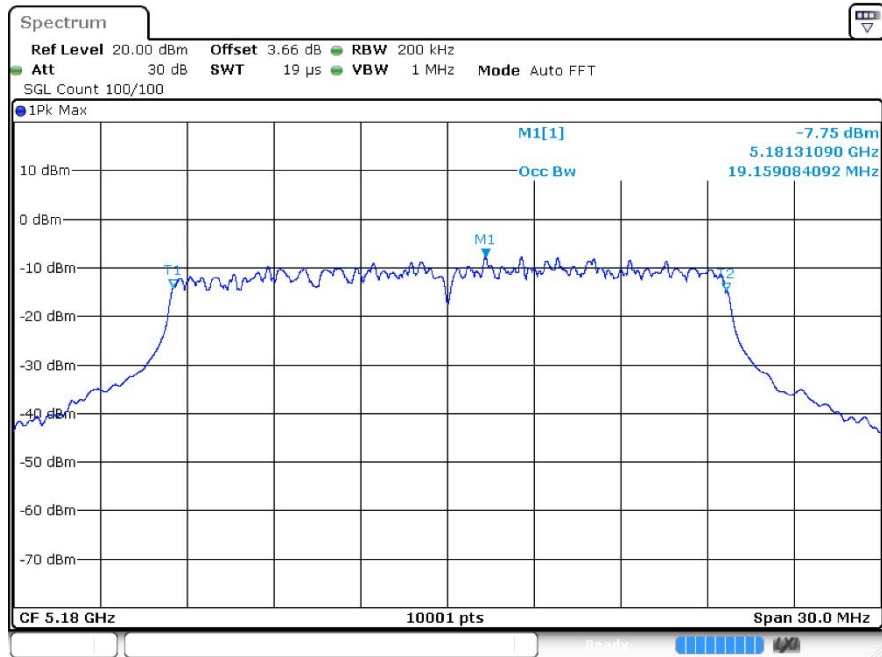
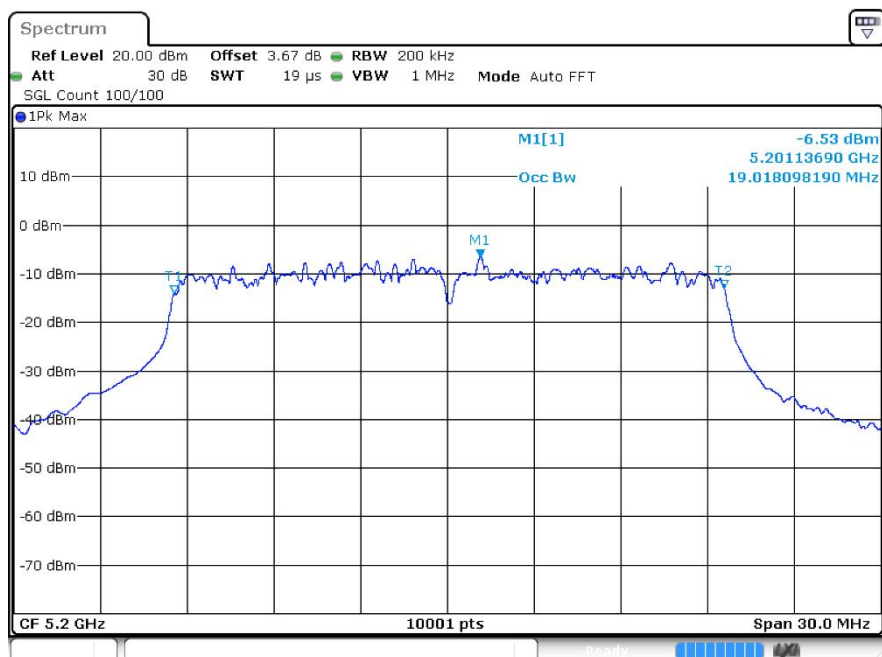




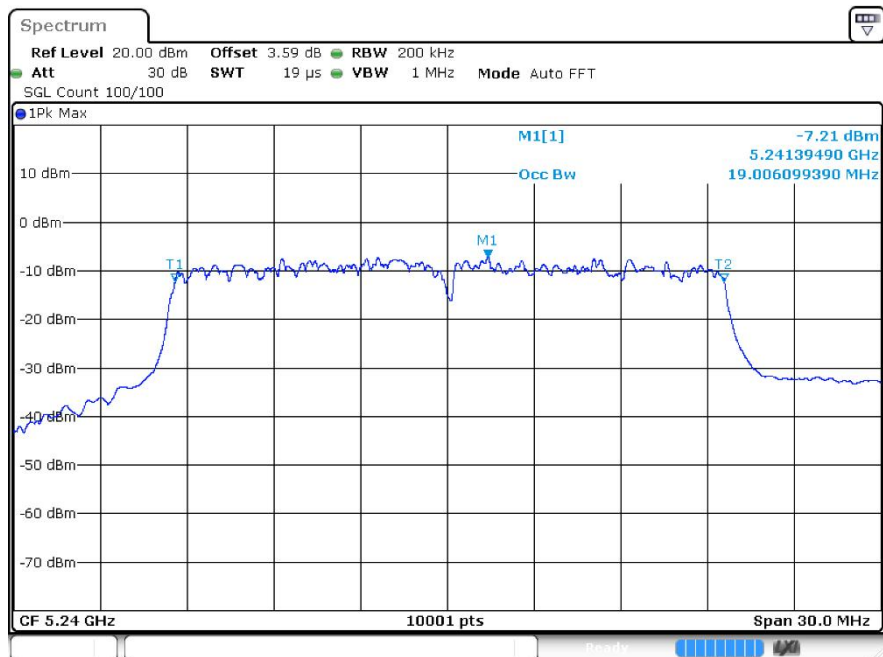
OBW ax20 5180MHz Ant1



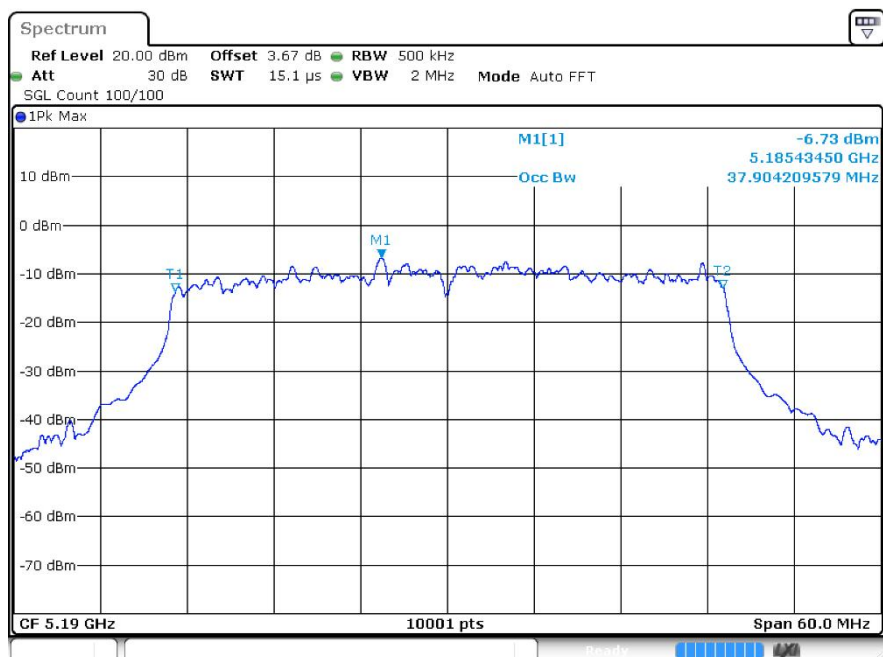
OBW ax20 5200MHz Ant1

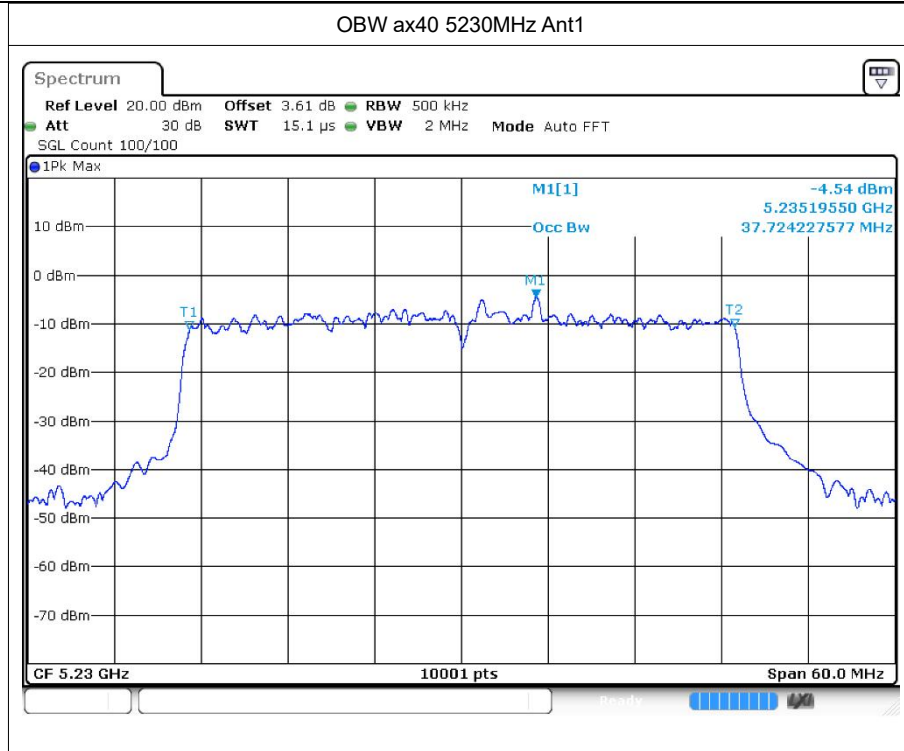


OBW ax20 5240MHz Ant1



OBW ax40 5190MHz Ant1



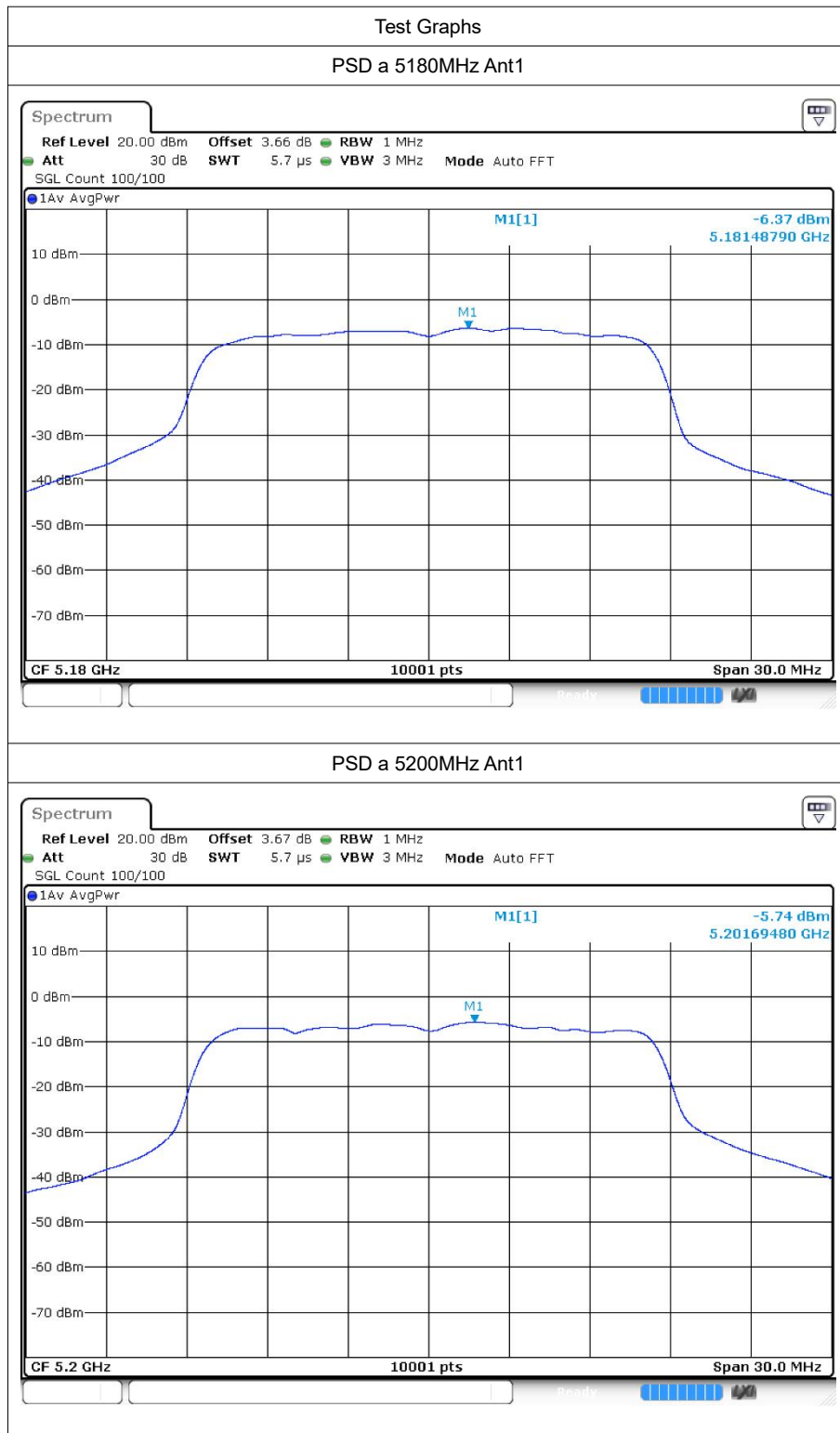


5 Maximum Power Spectral Density Level

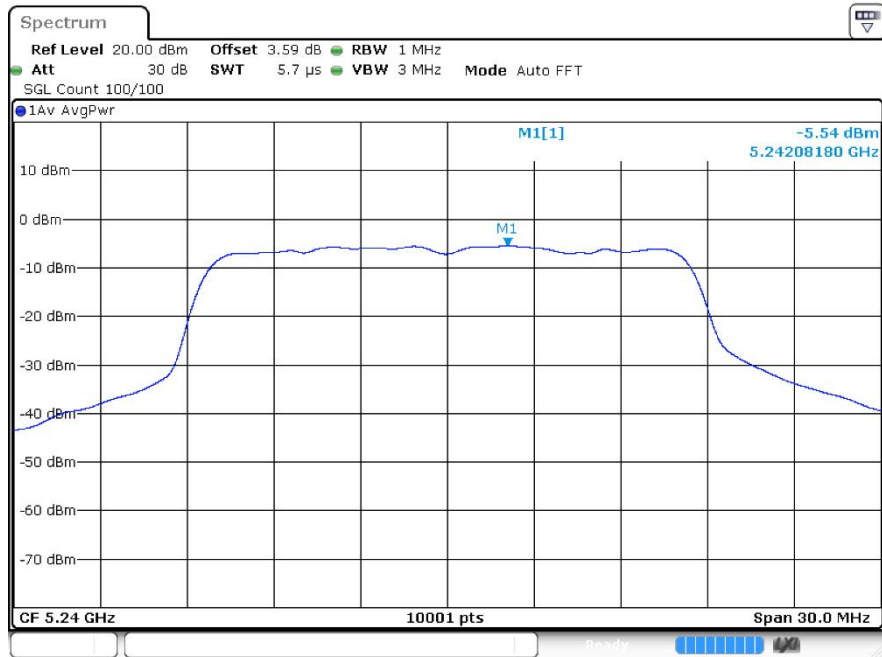
5.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	-6.37	0.35	-6.02	11	Pass
a	5200	Ant1	-5.74	0.21	-5.53	11	Pass
a	5240	Ant1	-5.54	0.22	-5.32	11	Pass
n20	5180	Ant1	-7.55	0.24	-7.31	11	Pass
n20	5200	Ant1	-7.3	0.24	-7.06	11	Pass
n20	5240	Ant1	-6.64	0.21	-6.43	11	Pass
n40	5190	Ant1	-11.31	0.86	-10.45	11	Pass
n40	5230	Ant1	-10.6	0.64	-9.96	11	Pass
ac20	5180	Ant1	-7.92	0.31	-7.61	11	Pass
ac20	5200	Ant1	-7.13	0	-7.13	11	Pass
ac20	5240	Ant1	-6.47	0.2	-6.27	11	Pass
ac40	5190	Ant1	-11.89	0.85	-11.04	11	Pass
ac40	5230	Ant1	-10.78	0.64	-10.14	11	Pass
ax20	5180	Ant1	-9.23	0.36	-8.87	11	Pass
ax20	5200	Ant1	-8.76	0.3	-8.46	11	Pass
ax20	5240	Ant1	-7.44	0.27	-7.17	11	Pass
ax40	5190	Ant1	-13.2	1.09	-12.11	11	Pass
ax40	5230	Ant1	-12.19	0.84	-11.35	11	Pass

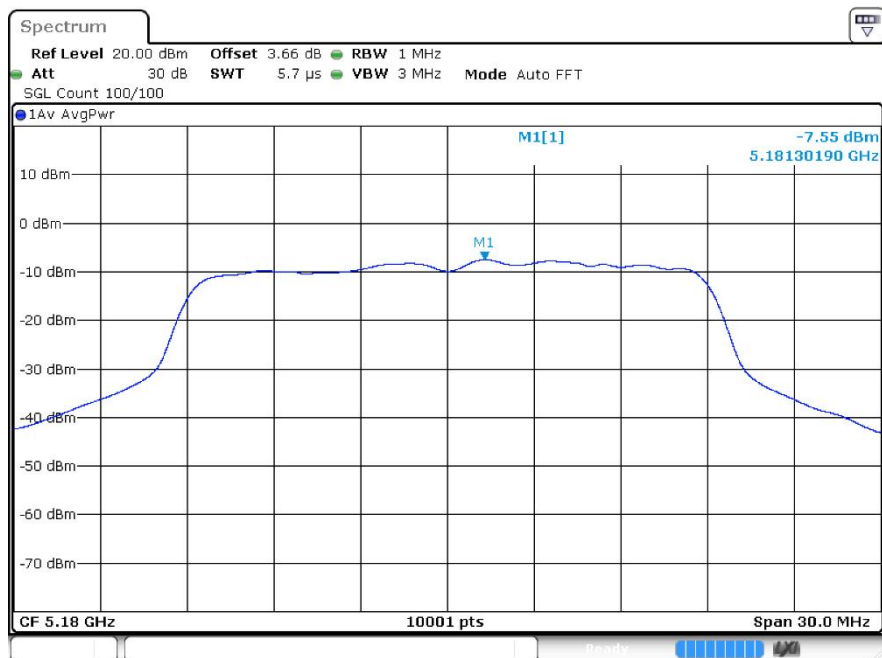
5.2 Test Graphs



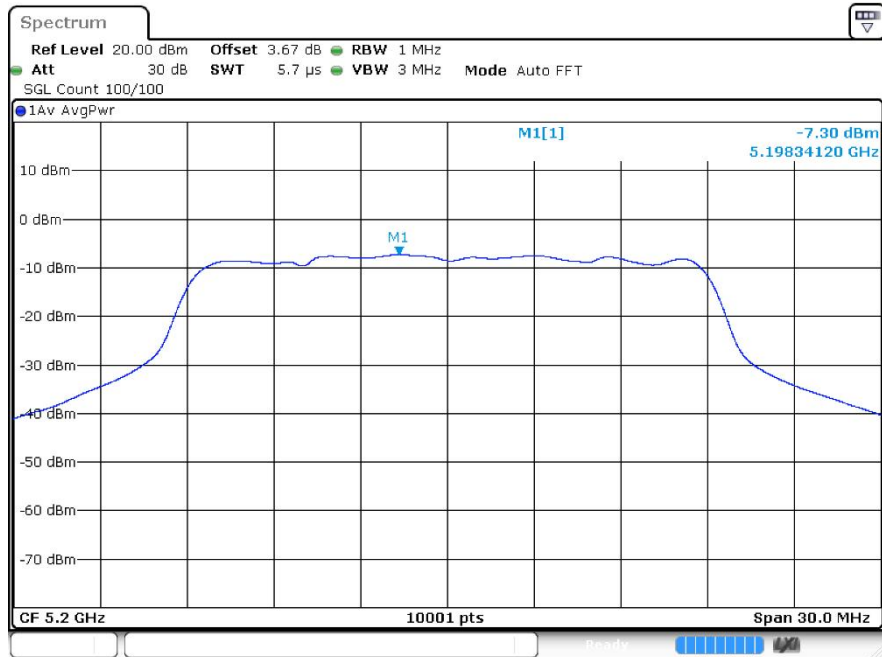
PSD a 5240MHz Ant1



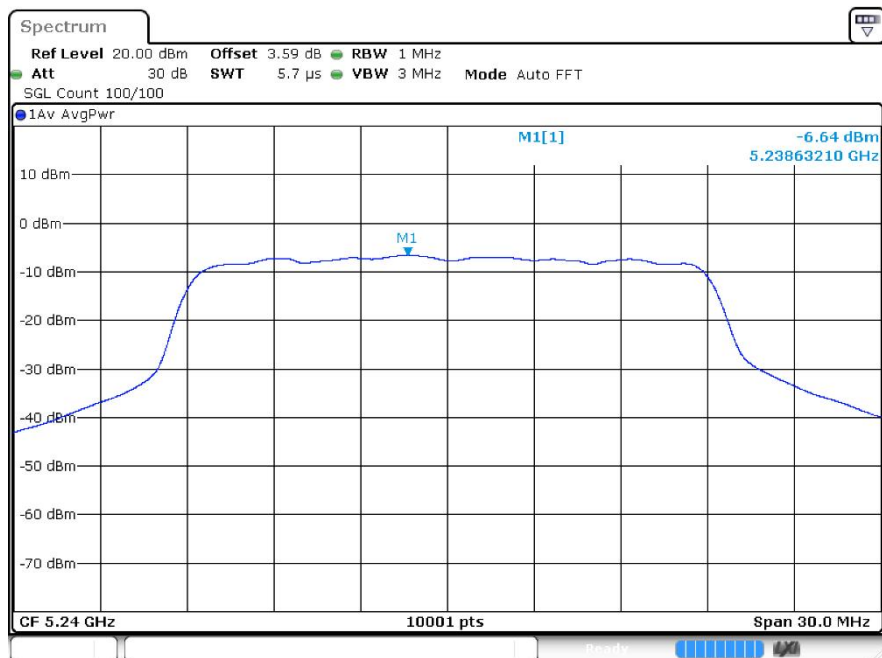
PSD n20 5180MHz Ant1



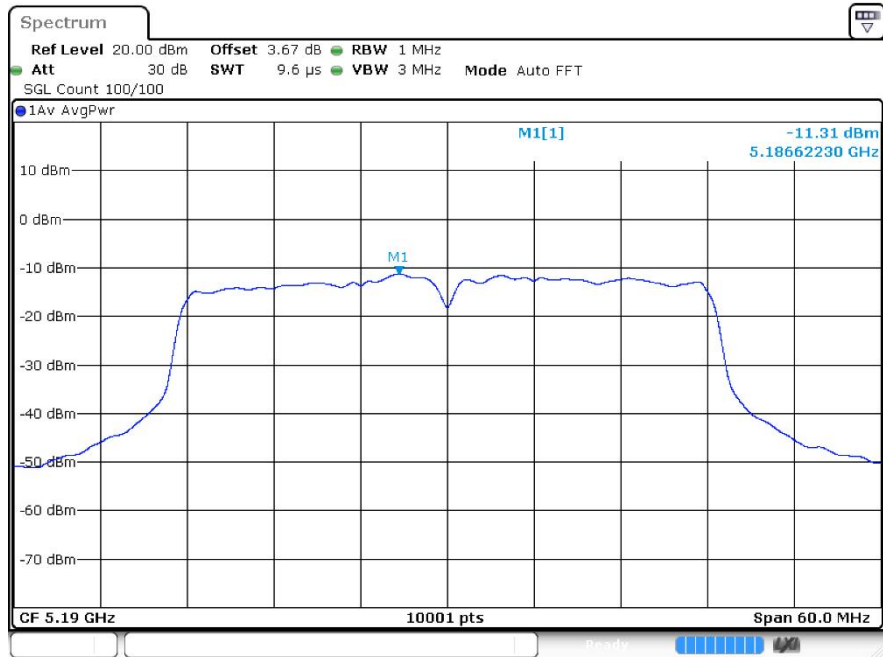
PSD n20 5200MHz Ant1



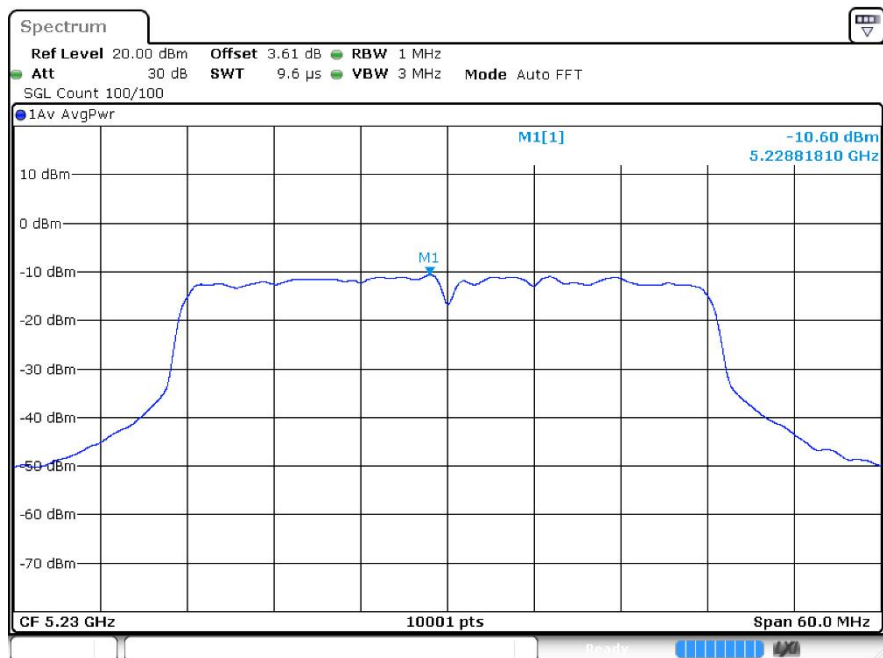
PSD n20 5240MHz Ant1



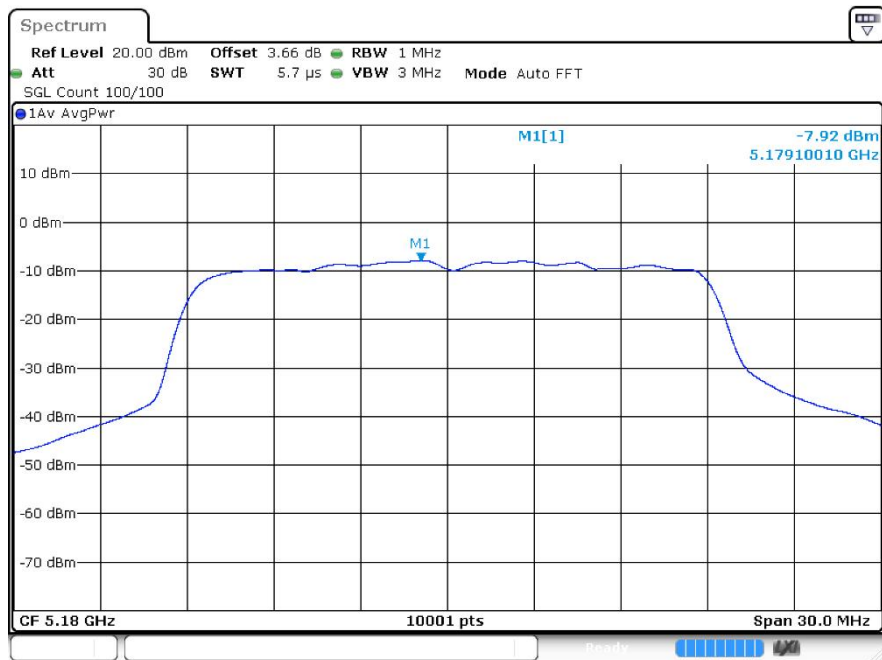
PSD n40 5190MHz Ant1



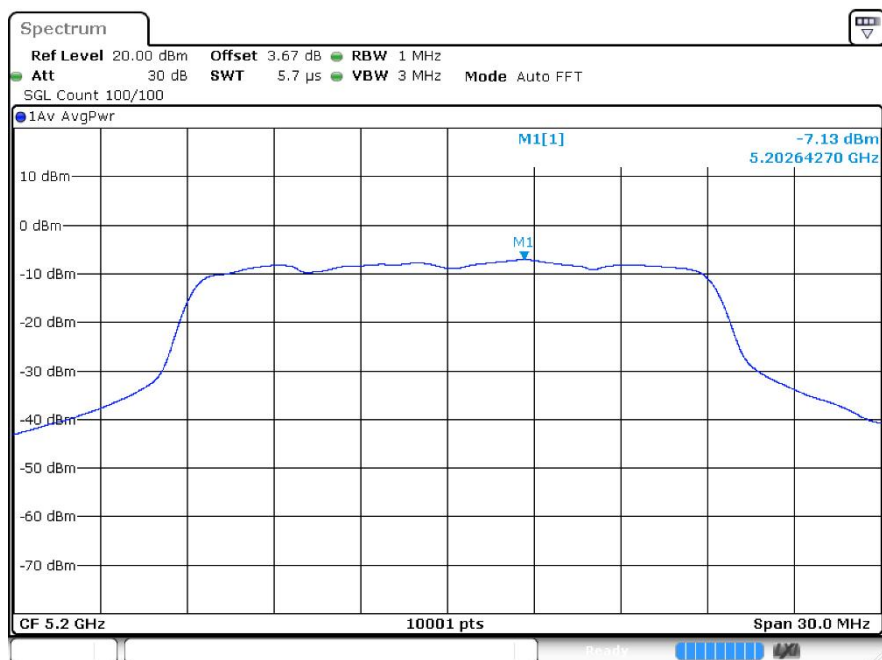
PSD n40 5230MHz Ant1



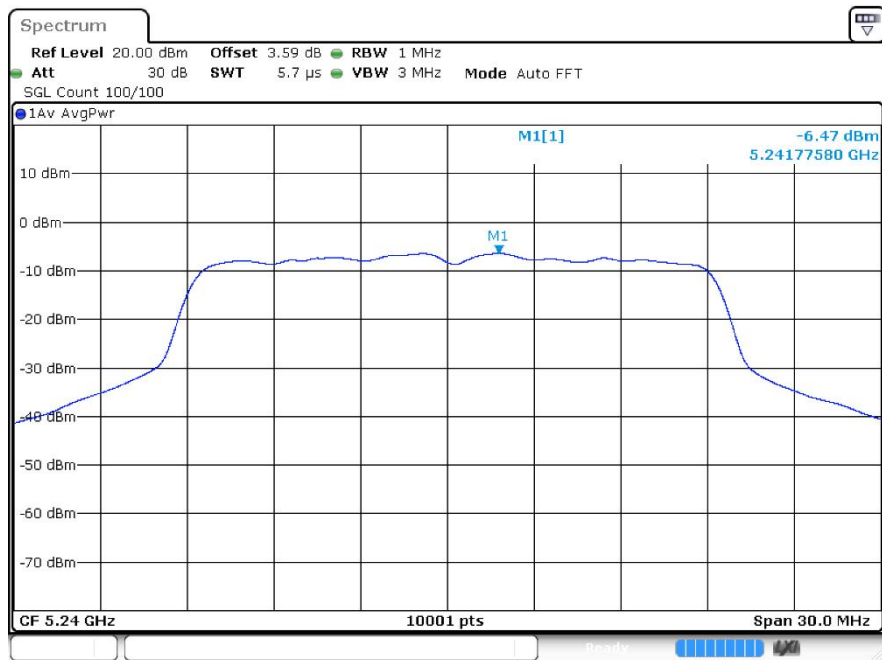
PSD ac20 5180MHz Ant1



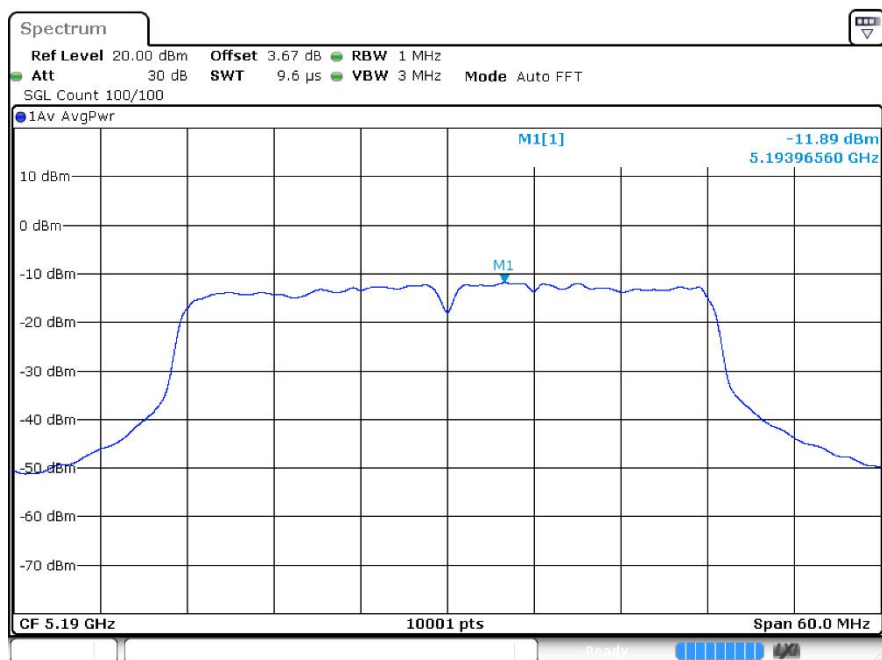
PSD ac20 5200MHz Ant1

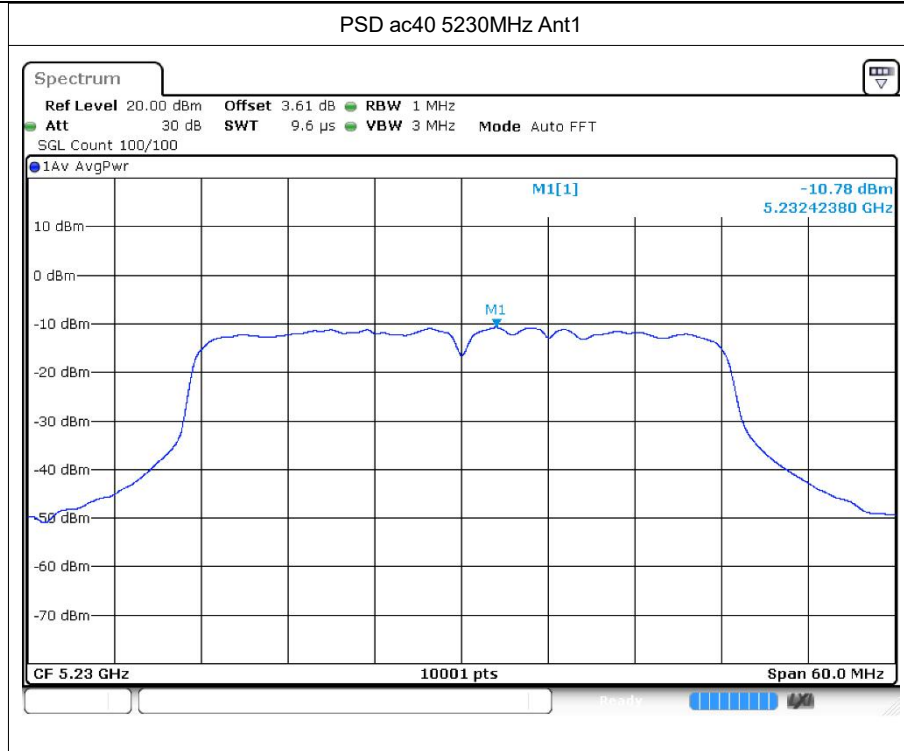


PSD ac20 5240MHz Ant1

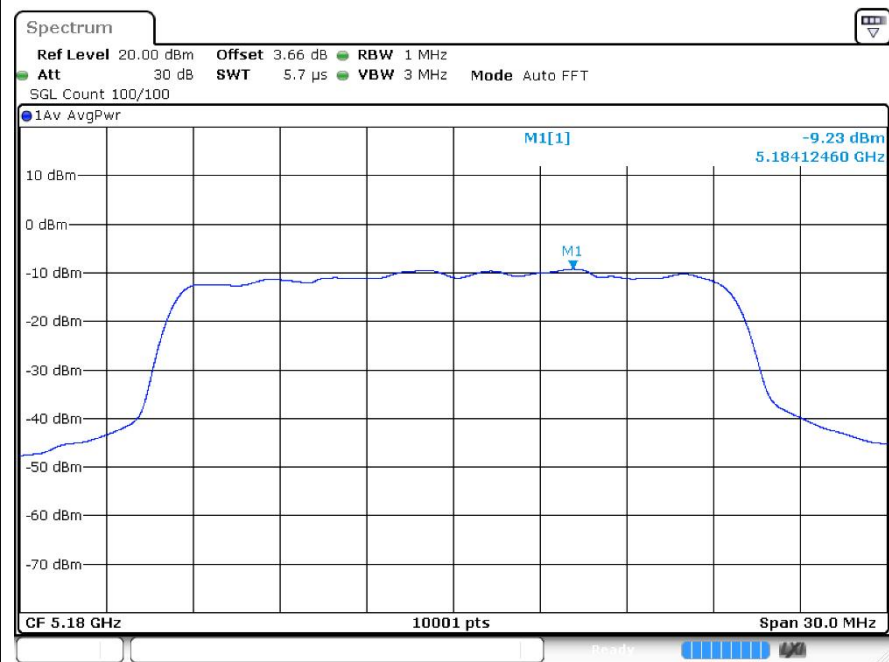


PSD ac40 5190MHz Ant1

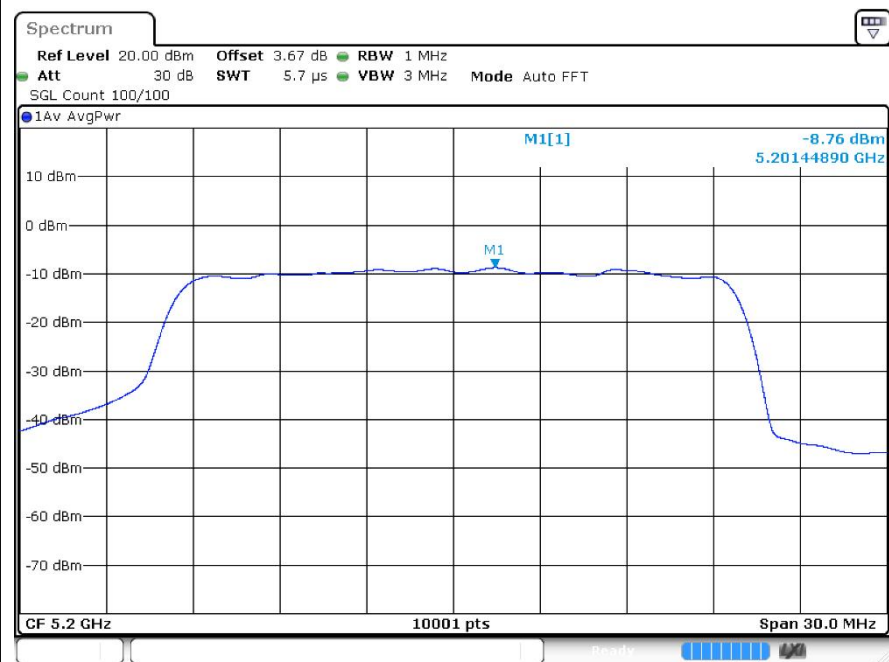




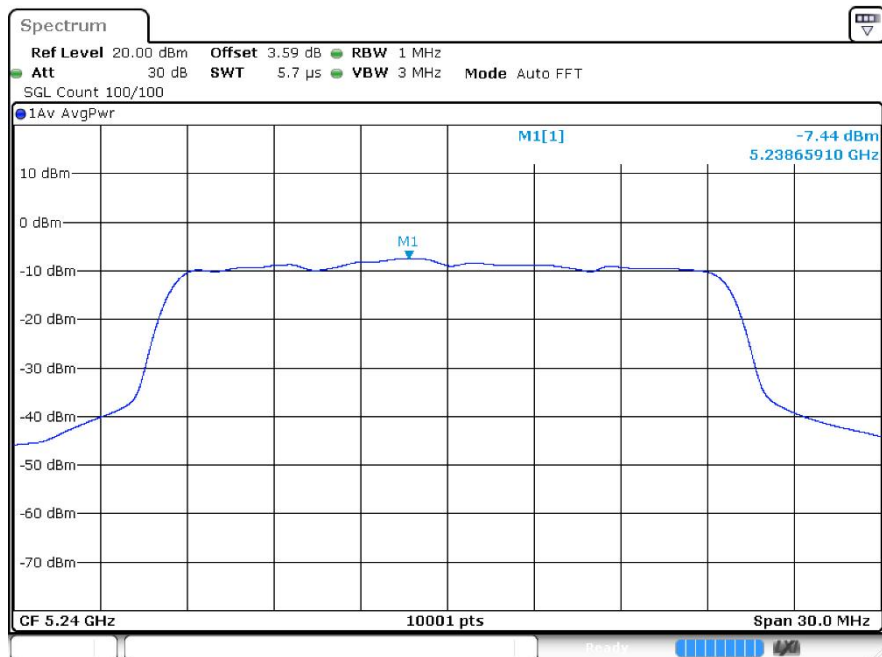
PSD ax20 5180MHz Ant1



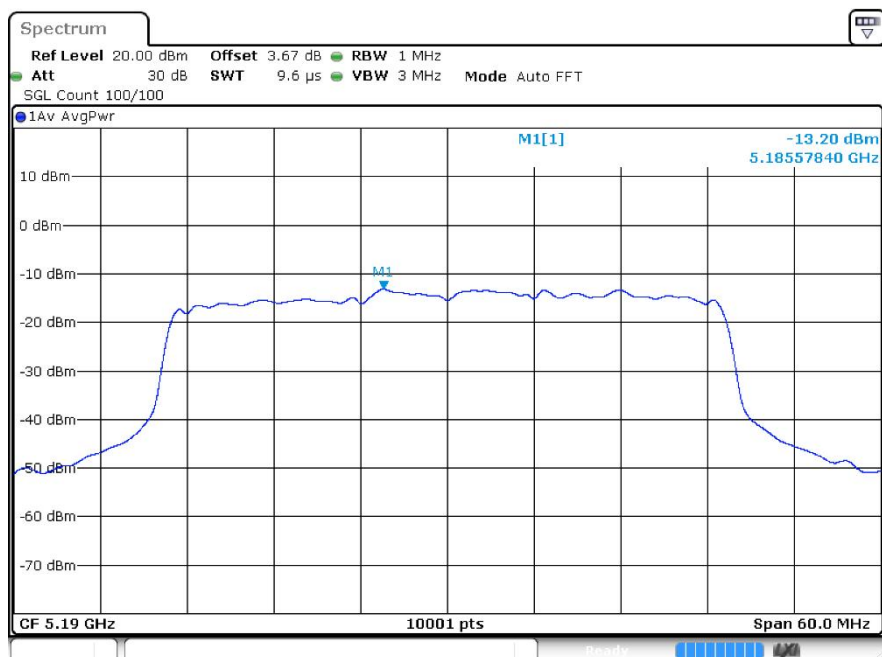
PSD ax20 5200MHz Ant1

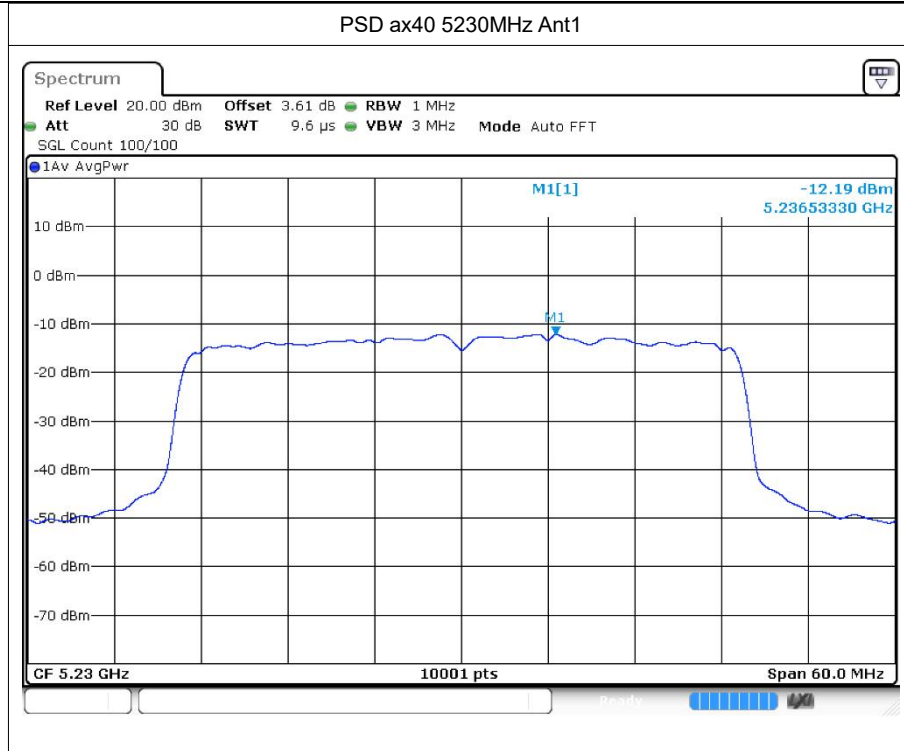


PSD ax20 5240MHz Ant1



PSD ax40 5190MHz 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 3.42V	a	5180	Ant1	5180.06	60000	11.58	25	Pass
20C 3.80V	a	5180	Ant1	5180.02	20000	3.86	25	Pass
20C 4.18V	a	5180	Ant1	5180.06	60000	11.58	25	Pass
-20C 3.80V	a	5180	Ant1	5180.06	60000	11.58	25	Pass
-10C 3.80V	a	5180	Ant1	5180.04	40000	7.72	25	Pass
0C 3.80V	a	5180	Ant1	5180.04	40000	7.72	25	Pass
10C 3.80V	a	5180	Ant1	5180.04	40000	7.72	25	Pass
30C 3.80V	a	5180	Ant1	5180.02	20000	3.86	25	Pass
40C 3.80V	a	5180	Ant1	5180.04	40000	7.72	25	Pass
50C 3.80V	a	5180	Ant1	5180.06	60000	11.58	25	Pass
20C 3.42V	a	5200	Ant1	5200.04	40000	7.69	25	Pass
20C 3.80V	a	5200	Ant1	5200.04	40000	7.69	25	Pass
20C 4.18V	a	5200	Ant1	5200.04	40000	7.69	25	Pass
-20C 3.80V	a	5200	Ant1	5200.04	40000	7.69	25	Pass
-10C 3.80V	a	5200	Ant1	5200.02	20000	3.85	25	Pass
0C 3.80V	a	5200	Ant1	5200.04	40000	7.69	25	Pass
10C 3.80V	a	5200	Ant1	5200.02	20000	3.85	25	Pass
30C 3.80V	a	5200	Ant1	5200.04	40000	7.69	25	Pass
40C 3.80V	a	5200	Ant1	5200.04	40000	7.69	25	Pass
20C 3.42V	a	5200	Ant1	5200.04	40000	7.69	25	Pass
20C 3.42V	a	5240	Ant1	5240.06	60000	11.45	25	Pass
20C 3.80V	a	5240	Ant1	5240.06	60000	11.45	25	Pass
20C 4.18V	a	5240	Ant1	5240.06	60000	11.45	25	Pass
-20C 3.80V	a	5240	Ant1	5240.06	60000	11.45	25	Pass
-10C 3.80V	a	5240	Ant1	5240.06	60000	11.45	25	Pass
0C 3.80V	a	5240	Ant1	5240.06	60000	11.45	25	Pass
10C 3.80V	a	5240	Ant1	5240.06	60000	11.45	25	Pass
30C 3.80V	a	5240	Ant1	5240.06	60000	11.45	25	Pass
40C 3.80V	a	5240	Ant1	5240.06	60000	11.45	25	Pass
50C 3.80V	a	5240	Ant1	5240.06	60000	11.45	25	Pass
20C 3.42V	n20	5180	Ant1	5180.08	80000	15.44	25	Pass
20C 3.80V	n20	5180	Ant1	5180.08	80000	15.44	25	Pass
20C 4.18V	n20	5180	Ant1	5180.1	100000	19.31	25	Pass
-20C 3.80V	n20	5180	Ant1	5180.08	80000	15.44	25	Pass
-10C 3.80V	n20	5180	Ant1	5180.08	80000	15.44	25	Pass
0C 3.80V	n20	5180	Ant1	5180.1	100000	19.31	25	Pass



10C 3.80V	n20	5180	Ant1	5180.08	80000	15.44	25	Pass
30C 3.80V	n20	5180	Ant1	5180.08	80000	15.44	25	Pass
40C 3.80V	n20	5180	Ant1	5180.08	80000	15.44	25	Pass
50C 3.80V	n20	5180	Ant1	5180.08	80000	15.44	25	Pass
20C 3.42V	n20	5200	Ant1	5200.08	80000	15.38	25	Pass
20C 3.80V	n20	5200	Ant1	5200.08	80000	15.38	25	Pass
20C 4.18V	n20	5200	Ant1	5200.08	80000	15.38	25	Pass
-20C 3.80V	n20	5200	Ant1	5200.1	100000	19.23	25	Pass
-10C 3.80V	n20	5200	Ant1	5200.08	80000	15.38	25	Pass
0C 3.80V	n20	5200	Ant1	5200.08	80000	15.38	25	Pass
10C 3.80V	n20	5200	Ant1	5200.06	60000	11.54	25	Pass
30C 3.80V	n20	5200	Ant1	5200.08	80000	15.38	25	Pass
40C 3.80V	n20	5200	Ant1	5200.06	60000	11.54	25	Pass
50C 3.80V	n20	5200	Ant1	5200.06	60000	11.54	25	Pass
20C 3.42V	n20	5240	Ant1	5240.1	100000	19.08	25	Pass
20C 3.80V	n20	5240	Ant1	5240.08	80000	15.27	25	Pass
20C 4.18V	n20	5240	Ant1	5240.08	80000	15.27	25	Pass
-20C 3.80V	n20	5240	Ant1	5240.08	80000	15.27	25	Pass
-10C 3.80V	n20	5240	Ant1	5240.08	80000	15.27	25	Pass
0C 3.80V	n20	5240	Ant1	5240.08	80000	15.27	25	Pass
10C 3.80V	n20	5240	Ant1	5240.08	80000	15.27	25	Pass
30C 3.80V	n20	5240	Ant1	5240.08	80000	15.27	25	Pass
40C 3.80V	n20	5240	Ant1	5240.1	100000	19.08	25	Pass
50C 3.80V	n20	5240	Ant1	5240.1	100000	19.08	25	Pass
20C 3.42V	n40	5190	Ant1	5190	0	0	25	Pass
20C 3.80V	n40	5190	Ant1	5190.04	40000	7.71	25	Pass
20C 4.18V	n40	5190	Ant1	5190	0	0	25	Pass
-20C 3.80V	n40	5190	Ant1	5190.04	40000	7.71	25	Pass
-10C 3.80V	n40	5190	Ant1	5190.04	40000	7.71	25	Pass
0C 3.80V	n40	5190	Ant1	5190.04	40000	7.71	25	Pass
10C 3.80V	n40	5190	Ant1	5190.04	40000	7.71	25	Pass
30C 3.80V	n40	5190	Ant1	5190	0	0	25	Pass
40C 3.80V	n40	5190	Ant1	5190.04	40000	7.71	25	Pass
50C 3.80V	n40	5190	Ant1	5190.04	40000	7.71	25	Pass
20C 3.42V	n40	5230	Ant1	5230.04	40000	7.65	25	Pass
20C 3.80V	n40	5230	Ant1	5230	0	0	25	Pass
20C 4.18V	n40	5230	Ant1	5230	0	0	25	Pass
-20C 3.80V	n40	5230	Ant1	5230.04	40000	7.65	25	Pass
-10C 3.80V	n40	5230	Ant1	5230	0	0	25	Pass
0C 3.80V	n40	5230	Ant1	5230	0	0	25	Pass
10C 3.80V	n40	5230	Ant1	5230	0	0	25	Pass
30C 3.80V	n40	5230	Ant1	5230	0	0	25	Pass
40C 3.80V	n40	5230	Ant1	5230.04	40000	7.65	25	Pass



50C 3.80V	n40	5230	Ant1	5230.08	80000	15.3	25	Pass
20C 3.42V	ac20	5180	Ant1	5180.02	20000	3.86	25	Pass
20C 3.80V	ac20	5180	Ant1	5180	0	0	25	Pass
20C 4.18V	ac20	5180	Ant1	5180.02	20000	3.86	25	Pass
-20C 3.80V	ac20	5180	Ant1	5180	0	0	25	Pass
-10C 3.80V	ac20	5180	Ant1	5180	0	0	25	Pass
0C 3.80V	ac20	5180	Ant1	5180	0	0	25	Pass
10C 3.80V	ac20	5180	Ant1	5180	0	0	25	Pass
30C 3.80V	ac20	5180	Ant1	5180	0	0	25	Pass
40C 3.80V	ac20	5180	Ant1	5180	0	0	25	Pass
50C 3.80V	ac20	5180	Ant1	5180	0	0	25	Pass
20C 3.42V	ac20	5200	Ant1	5200.02	20000	3.85	25	Pass
20C 3.80V	ac20	5200	Ant1	5200	0	0	25	Pass
20C 4.18V	ac20	5200	Ant1	5200	0	0	25	Pass
-20C 3.80V	ac20	5200	Ant1	5200	0	0	25	Pass
-10C 3.80V	ac20	5200	Ant1	5200	0	0	25	Pass
0C 3.80V	ac20	5200	Ant1	5200	0	0	25	Pass
10C 3.80V	ac20	5200	Ant1	5200	0	0	25	Pass
30C 3.80V	ac20	5200	Ant1	5200	0	0	25	Pass
40C 3.80V	ac20	5200	Ant1	5200	0	0	25	Pass
50C 3.80V	ac20	5200	Ant1	5200	0	0	25	Pass
20C 3.42V	ac20	5240	Ant1	5240.16	160000	30.53	25	Fail
20C 3.80V	ac20	5240	Ant1	5240.1	100000	19.08	25	Pass
20C 4.18V	ac20	5240	Ant1	5240.14	140000	26.72	25	Fail
-20C 3.80V	ac20	5240	Ant1	5240.12	120000	22.9	25	Pass
-10C 3.80V	ac20	5240	Ant1	5240.12	120000	22.9	25	Pass
0C 3.80V	ac20	5240	Ant1	5240.1	100000	19.08	25	Pass
10C 3.80V	ac20	5240	Ant1	5240.1	100000	19.08	25	Pass
30C 3.80V	ac20	5240	Ant1	5240.08	80000	15.27	25	Pass
40C 3.80V	ac20	5240	Ant1	5240.08	80000	15.27	25	Pass
50C 3.80V	ac20	5240	Ant1	5240.08	80000	15.27	25	Pass
20C 3.42V	ac40	5190	Ant1	5190.04	40000	7.71	25	Pass
20C 3.80V	ac40	5190	Ant1	5190.04	40000	7.71	25	Pass
20C 4.18V	ac40	5190	Ant1	5190	0	0	25	Pass
-20C 3.80V	ac40	5190	Ant1	5190.04	40000	7.71	25	Pass
-10C 3.80V	ac40	5190	Ant1	5190	0	0	25	Pass
0C 3.80V	ac40	5190	Ant1	5190.04	40000	7.71	25	Pass
10C 3.80V	ac40	5190	Ant1	5190.04	40000	7.71	25	Pass
30C 3.80V	ac40	5190	Ant1	5190	0	0	25	Pass
40C 3.80V	ac40	5190	Ant1	5190.08	80000	15.41	25	Pass
50C 3.80V	ac40	5190	Ant1	5190.08	80000	15.41	25	Pass
20C 3.42V	ac40	5230	Ant1	5230.04	40000	7.65	25	Pass
20C 3.80V	ac40	5230	Ant1	5230.04	40000	7.65	25	Pass



20C 4.18V	ac40	5230	Ant1	5230.04	40000	7.65	25	Pass
-20C 3.80V	ac40	5230	Ant1	5230	0	0	25	Pass
-10C 3.80V	ac40	5230	Ant1	5230.04	40000	7.65	25	Pass
0C 3.80V	ac40	5230	Ant1	5230	0	0	25	Pass
10C 3.80V	ac40	5230	Ant1	5230	0	0	25	Pass
30C 3.80V	ac40	5230	Ant1	5230.04	40000	7.65	25	Pass
40C 3.80V	ac40	5230	Ant1	5230.04	40000	7.65	25	Pass
50C 3.80V	ac40	5230	Ant1	5230.04	40000	7.65	25	Pass
20C 3.42V	ax20	5180	Ant1	5180.06	60000	11.58	25	Pass
20C 3.80V	ax20	5180	Ant1	5180.06	60000	11.58	25	Pass
20C 4.18V	ax20	5180	Ant1	5180.08	80000	15.44	25	Pass
-20C 3.80V	ax20	5180	Ant1	5180.06	60000	11.58	25	Pass
-10C 3.80V	ax20	5180	Ant1	5180.08	80000	15.44	25	Pass
0C 3.80V	ax20	5180	Ant1	5180.08	80000	15.44	25	Pass
10C 3.80V	ax20	5180	Ant1	5180.06	60000	11.58	25	Pass
30C 3.80V	ax20	5180	Ant1	5180.06	60000	11.58	25	Pass
40C 3.80V	ax20	5180	Ant1	5180.06	60000	11.58	25	Pass
50C 3.80V	ax20	5180	Ant1	5180.08	80000	15.44	25	Pass
20C 3.42V	ax20	5200	Ant1	5200.08	80000	15.38	25	Pass
20C 3.80V	ax20	5200	Ant1	5200.1	100000	19.23	25	Pass
20C 4.18V	ax20	5200	Ant1	5200.08	80000	15.38	25	Pass
-20C 3.80V	ax20	5200	Ant1	5200.08	80000	15.38	25	Pass
-10C 3.80V	ax20	5200	Ant1	5200.1	100000	19.23	25	Pass
0C 3.80V	ax20	5200	Ant1	5200.08	80000	15.38	25	Pass
10C 3.80V	ax20	5200	Ant1	5200.08	80000	15.38	25	Pass
30C 3.80V	ax20	5200	Ant1	5200.08	80000	15.38	25	Pass
40C 3.80V	ax20	5200	Ant1	5200.1	100000	19.23	25	Pass
50C 3.80V	ax20	5200	Ant1	5200.08	80000	15.38	25	Pass
20C 3.42V	ax20	5240	Ant1	5240.1	100000	19.08	25	Pass
20C 3.80V	ax20	5240	Ant1	5240.1	100000	19.08	25	Pass
20C 4.18V	ax20	5240	Ant1	5240.1	100000	19.08	25	Pass
-20C 3.80V	ax20	5240	Ant1	5240.1	100000	19.08	25	Pass
-10C 3.80V	ax20	5240	Ant1	5240.08	80000	15.27	25	Pass
0C 3.80V	ax20	5240	Ant1	5240.1	100000	19.08	25	Pass
10C 3.80V	ax20	5240	Ant1	5240.08	80000	15.27	25	Pass
30C 3.80V	ax20	5240	Ant1	5240.1	100000	19.08	25	Pass
40C 3.80V	ax20	5240	Ant1	5240.08	80000	15.27	25	Pass
50C 3.80V	ax20	5240	Ant1	5240.1	100000	19.08	25	Pass
20C 3.42V	ax40	5190	Ant1	5190	0	0	25	Pass
20C 3.80V	ax40	5190	Ant1	5190	0	0	25	Pass
20C 4.18V	ax40	5190	Ant1	5190	0	0	25	Pass
-20C 3.80V	ax40	5190	Ant1	5190	0	0	25	Pass
-10C 3.80V	ax40	5190	Ant1	5190.04	40000	7.71	25	Pass



0C 3.80V	ax40	5190	Ant1	5190.04	40000	7.71	25	Pass
10C 3.80V	ax40	5190	Ant1	5190	0	0	25	Pass
30C 3.80V	ax40	5190	Ant1	5190	0	0	25	Pass
40C 3.80V	ax40	5190	Ant1	5190	0	0	25	Pass
50C 3.80V	ax40	5190	Ant1	5190.04	40000	7.71	25	Pass
20C 3.42V	ax40	5230	Ant1	5230	0	0	25	Pass
20C 3.80V	ax40	5230	Ant1	5230	0	0	25	Pass
20C 4.18V	ax40	5230	Ant1	5230	0	0	25	Pass
-20C 3.80V	ax40	5230	Ant1	5230.04	40000	7.65	25	Pass
-10C 3.80V	ax40	5230	Ant1	5230.04	40000	7.65	25	Pass
0C 3.80V	ax40	5230	Ant1	5230.04	40000	7.65	25	Pass
10C 3.80V	ax40	5230	Ant1	5230.04	40000	7.65	25	Pass
30C 3.80V	ax40	5230	Ant1	5230.04	40000	7.65	25	Pass
40C 3.80V	ax40	5230	Ant1	5230	0	0	25	Pass
50C 3.80V	ax40	5230	Ant1	5230	0	0	25	Pass

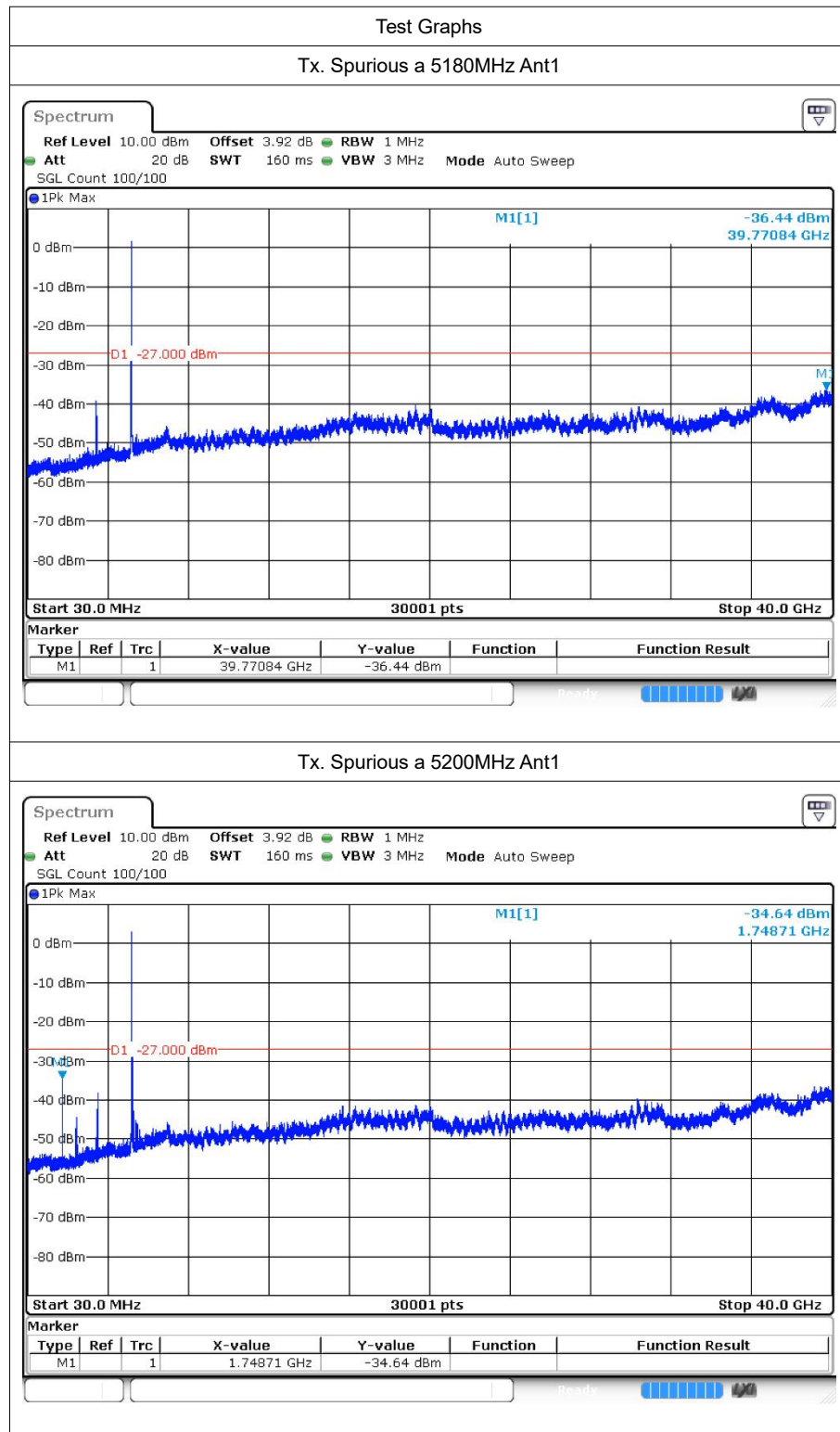


7 Conducted RF Spurious Emission

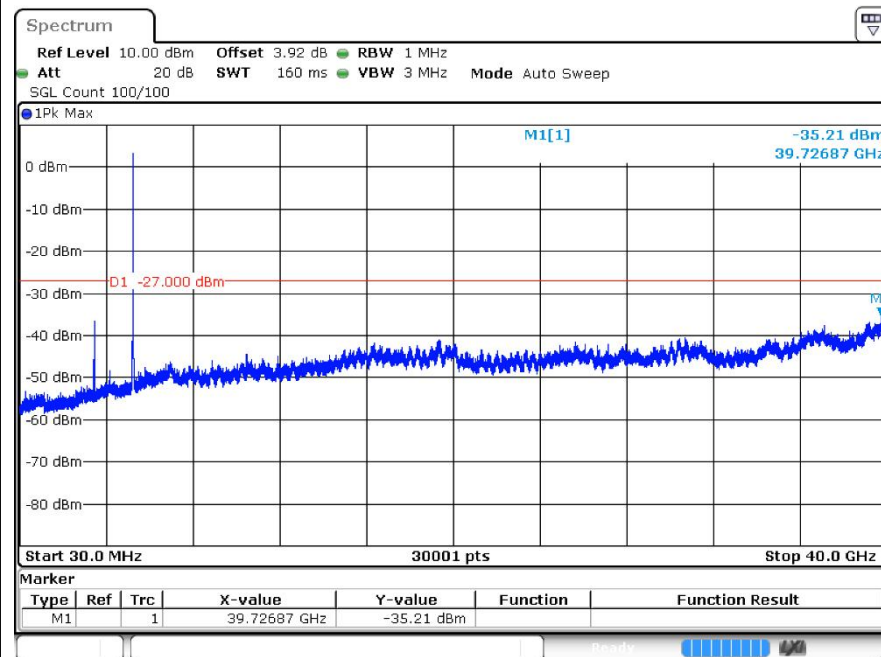
7.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
a	5180	Ant1	-36.43	-27	Pass
a	5200	Ant1	-34.63	-27	Pass
a	5240	Ant1	-35.21	-27	Pass
n20	5180	Ant1	-36.75	-27	Pass
n20	5200	Ant1	-36.08	-27	Pass
n20	5240	Ant1	-35.41	-27	Pass
n40	5190	Ant1	-33.15	-27	Pass
n40	5230	Ant1	-32.42	-27	Pass
ac20	5180	Ant1	-35.01	-27	Pass
ac20	5200	Ant1	-35.14	-27	Pass
ac20	5240	Ant1	-35.72	-27	Pass
ac40	5190	Ant1	-35.99	-27	Pass
ac40	5230	Ant1	-36.26	-27	Pass
ax20	5180	Ant1	-35.75	-27	Pass
ax20	5200	Ant1	-36.42	-27	Pass
ax20	5240	Ant1	-35.86	-27	Pass
ax40	5190	Ant1	-35.88	-27	Pass
ax40	5230	Ant1	-35.03	-27	Pass

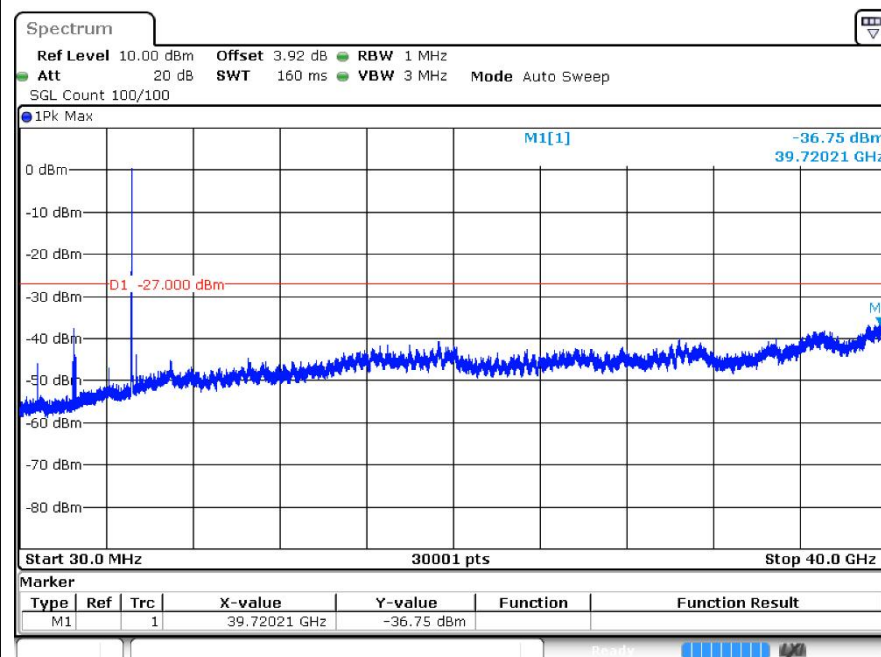
7.2 Test Graphs



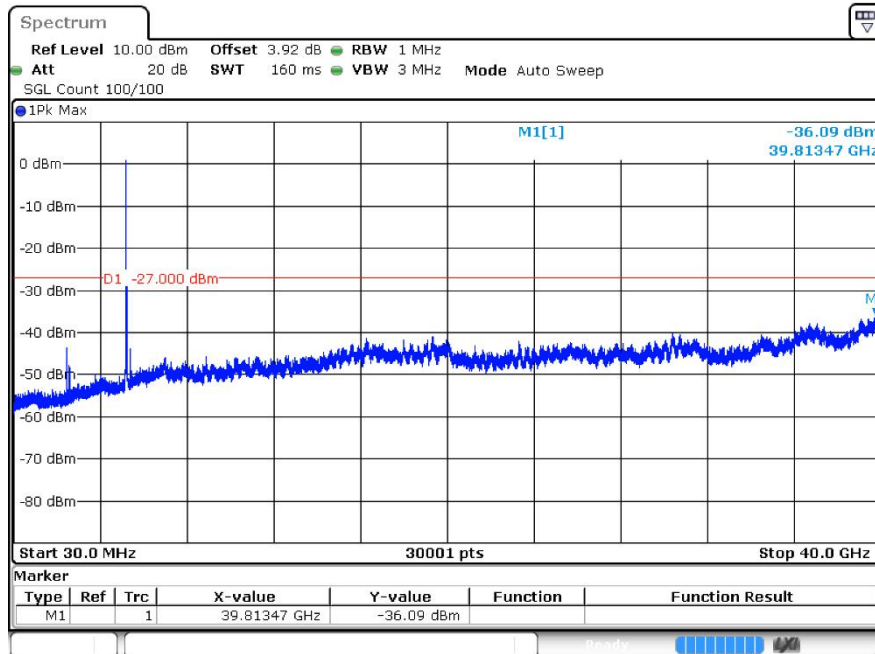
Tx. Spurious a 5240MHz Ant1



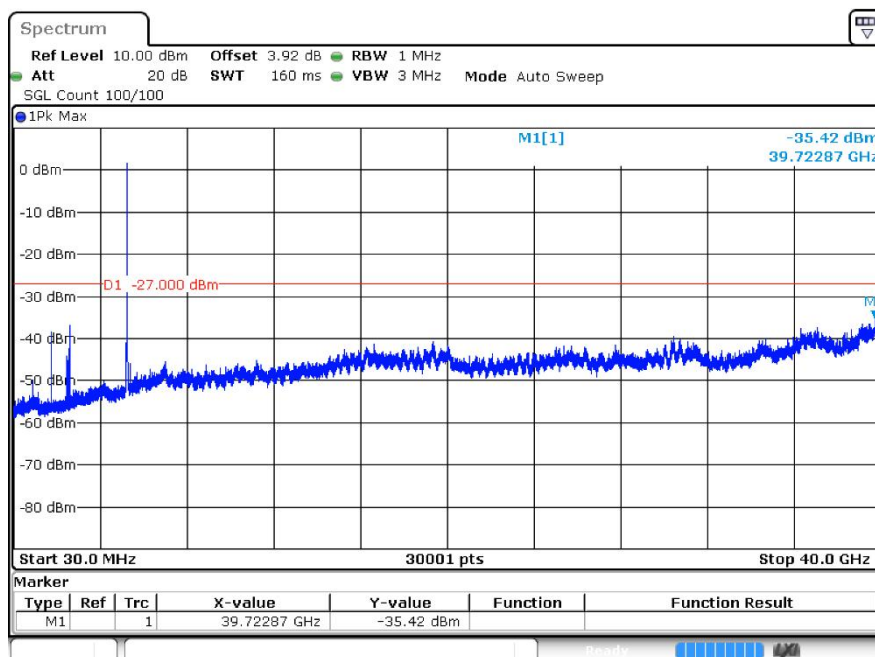
Tx. Spurious n20 5180MHz Ant1



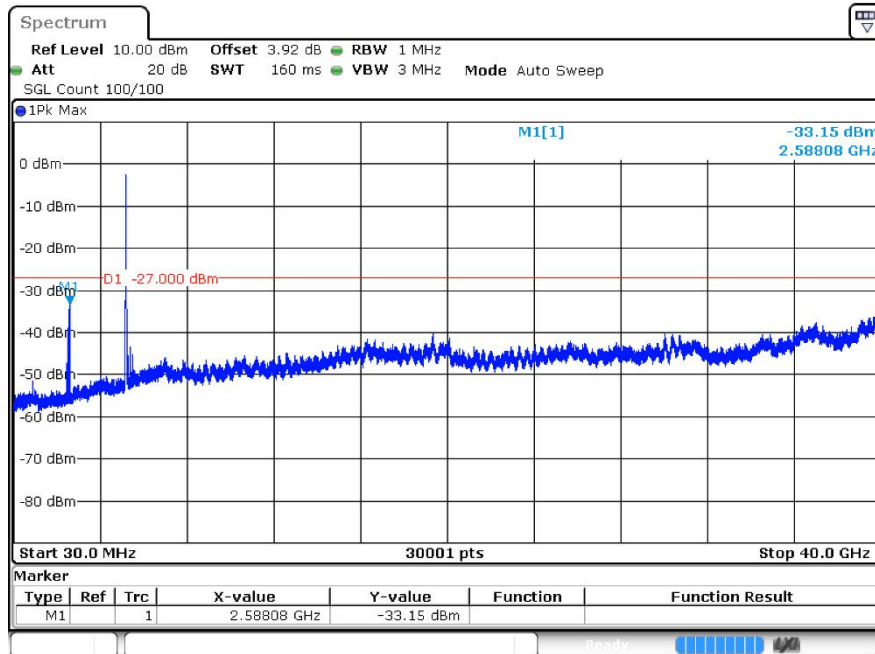
Tx. Spurious n20 5200MHz Ant1



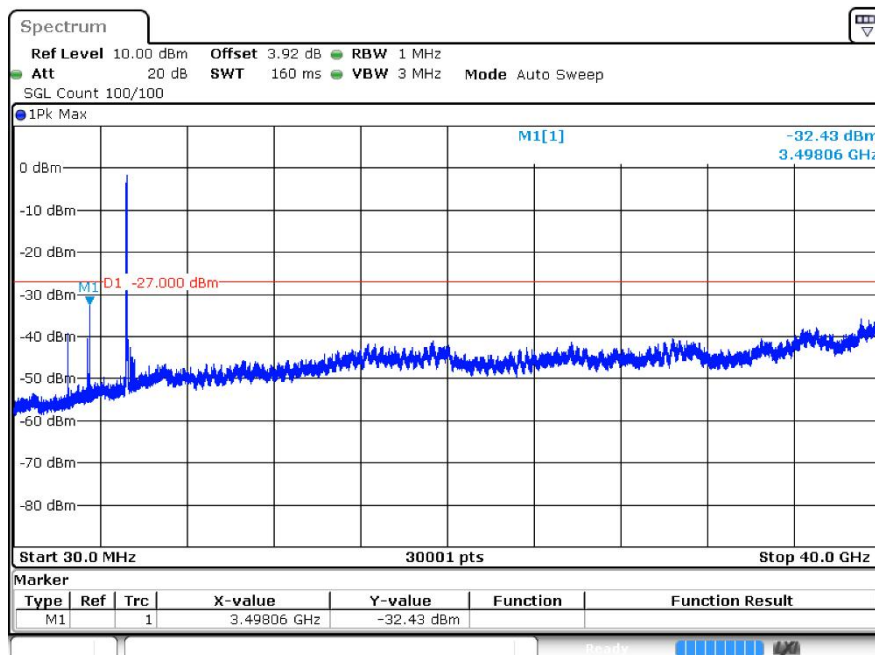
Tx. Spurious n20 5240MHz Ant1



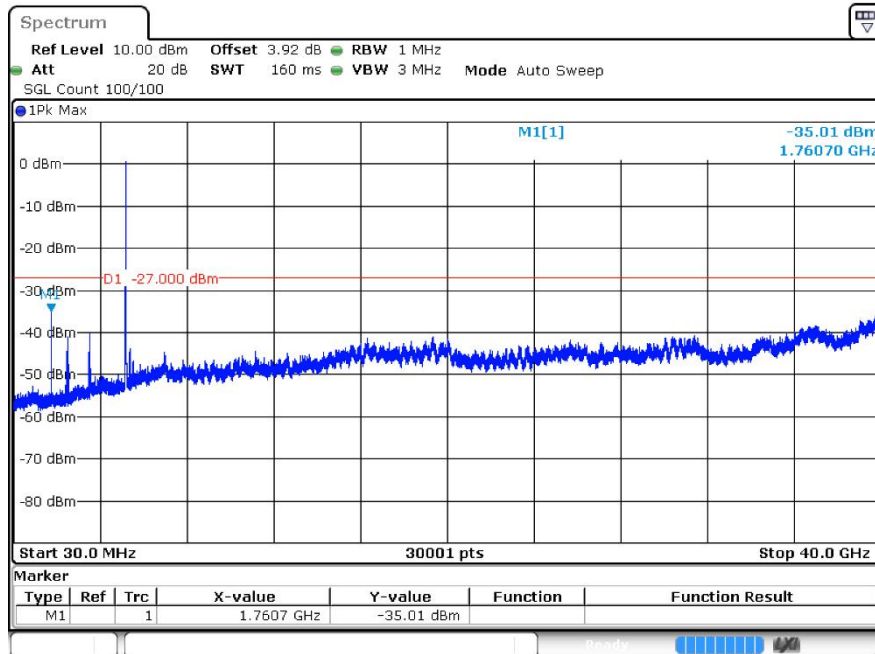
Tx. Spurious n40 5190MHz Ant1



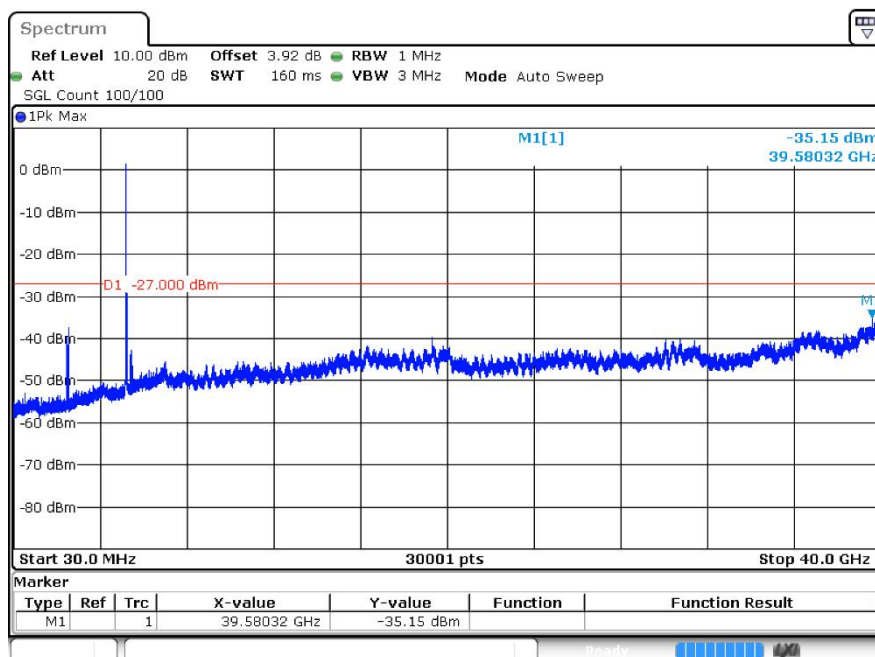
Tx. Spurious n40 5230MHz Ant1



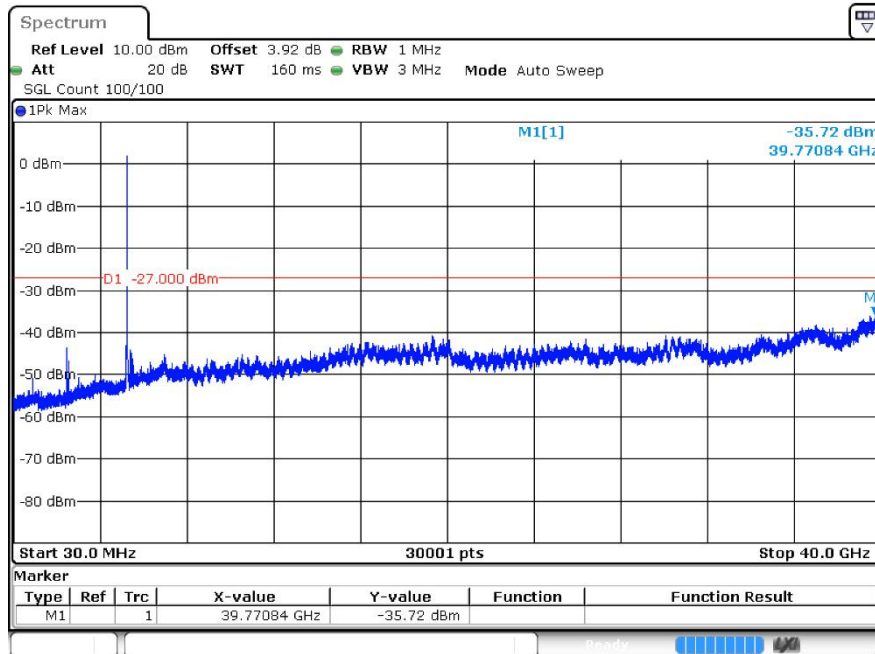
Tx. Spurious ac20 5180MHz Ant1



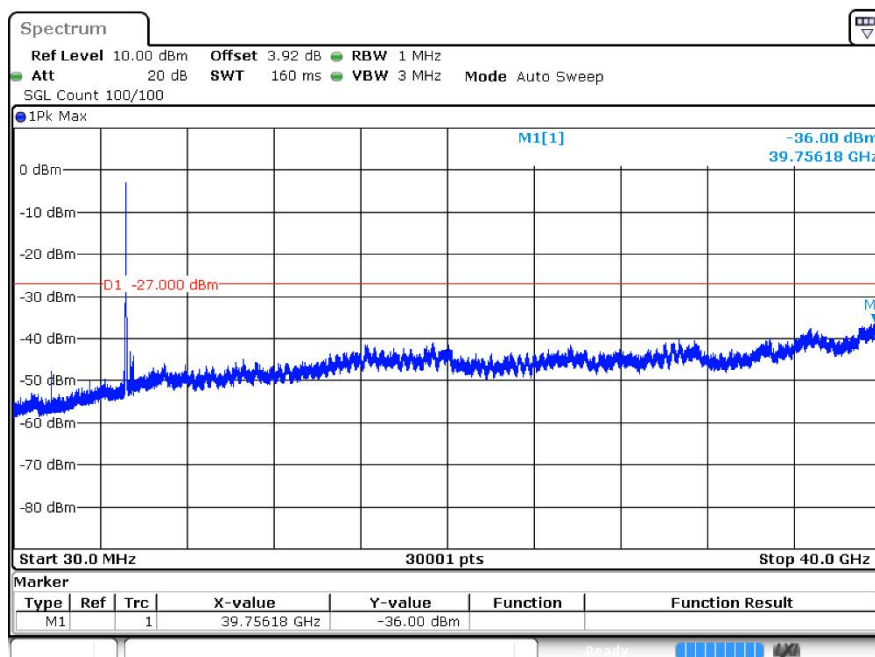
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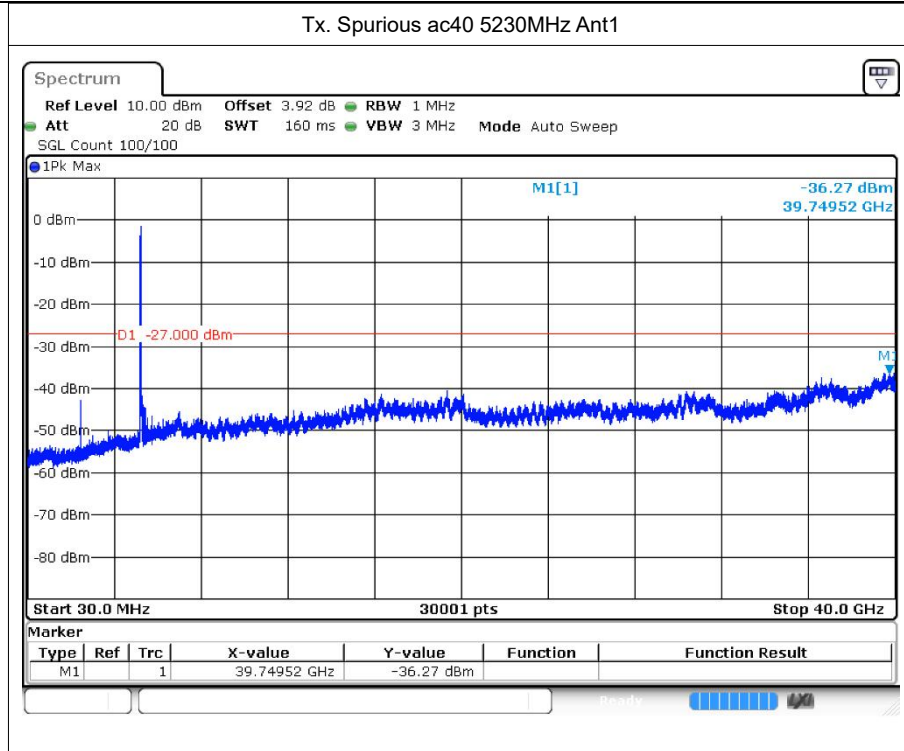


Tx. Spurious ac20 5240MHz Ant1

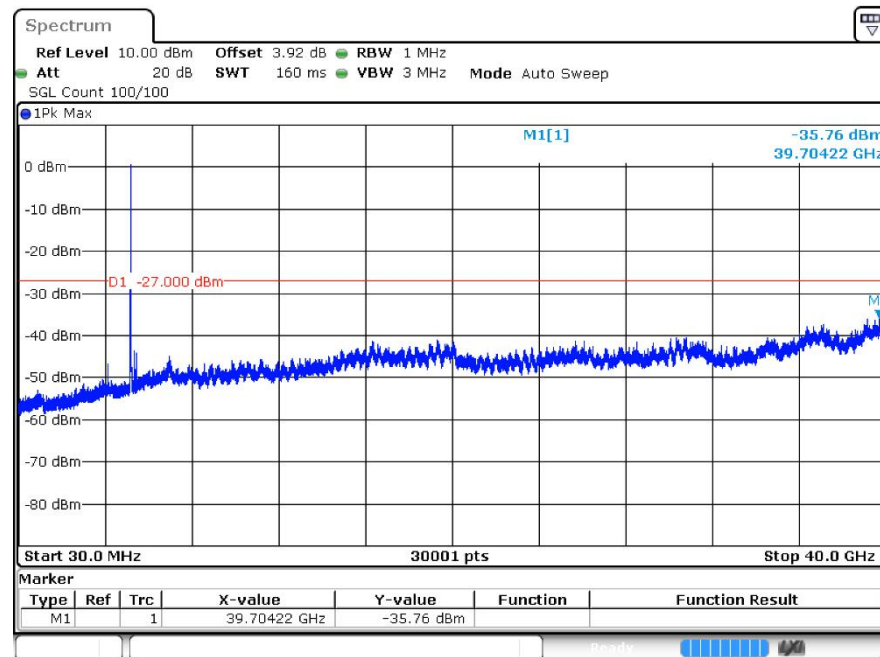


Tx. Spurious ac40 5190MHz Ant1

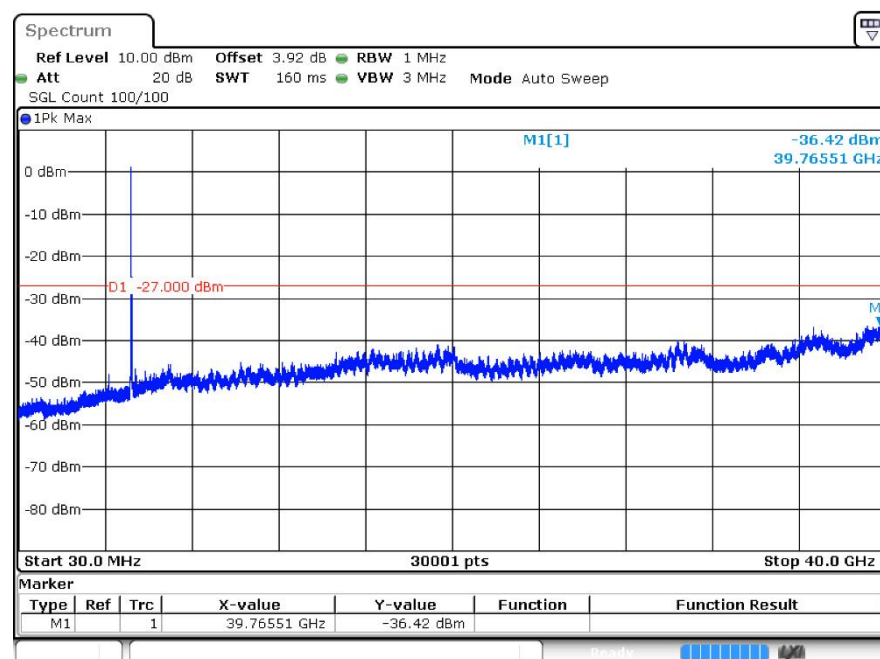




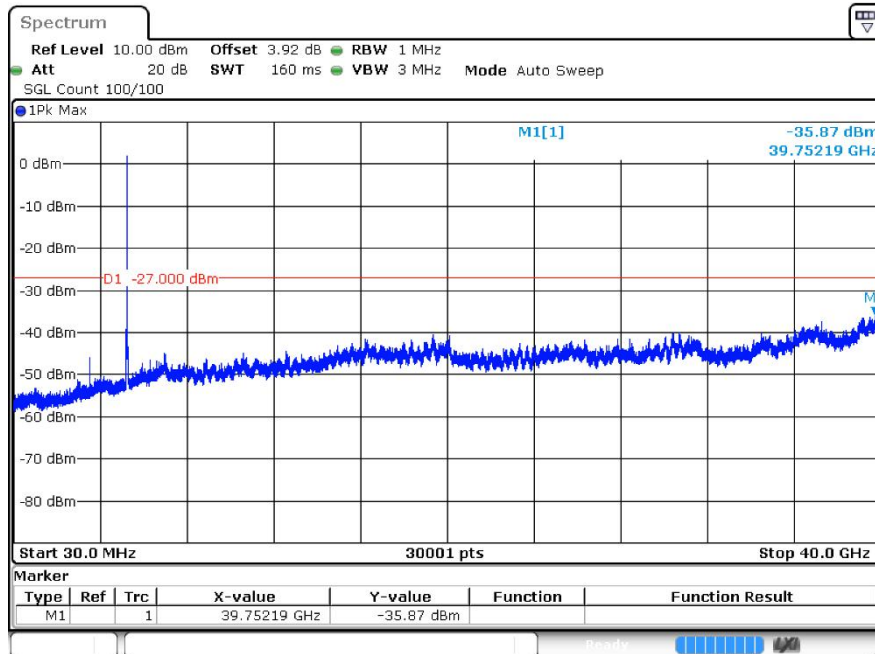
Tx. Spurious ax20 5180MHz Ant1



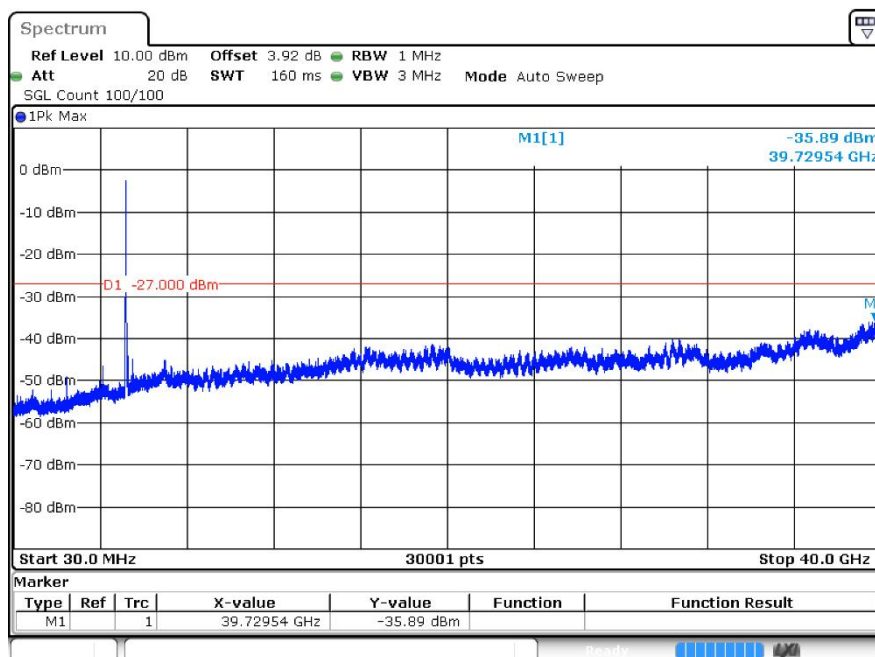
Tx. Spurious ax20 5200MHz Ant1

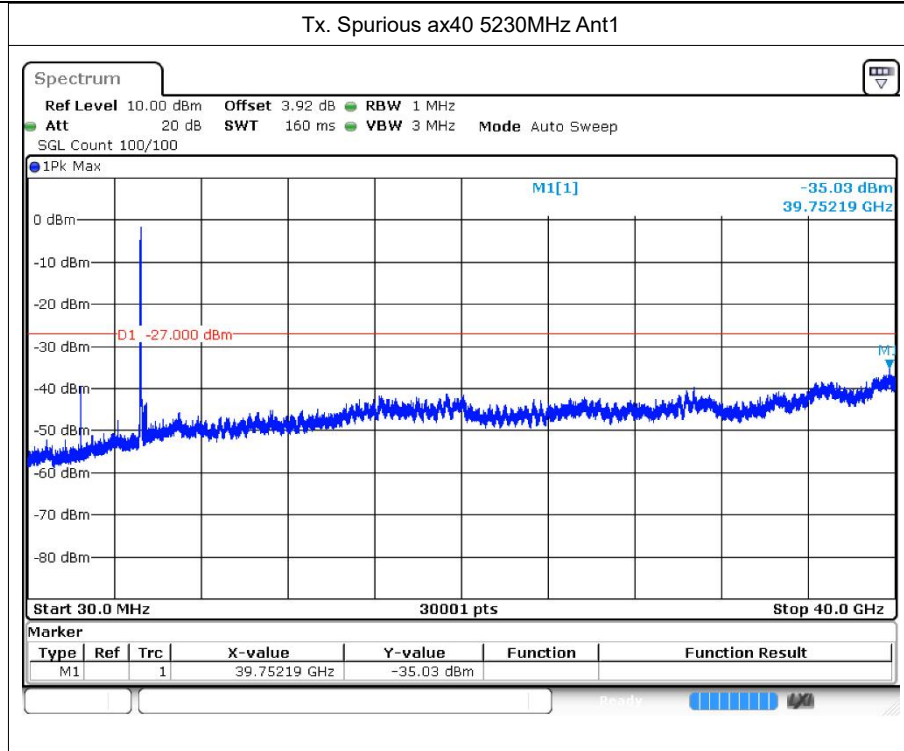


Tx. Spurious ax20 5240MHz Ant1



Tx. Spurious ax40 5190MHz Ant1





---The End---