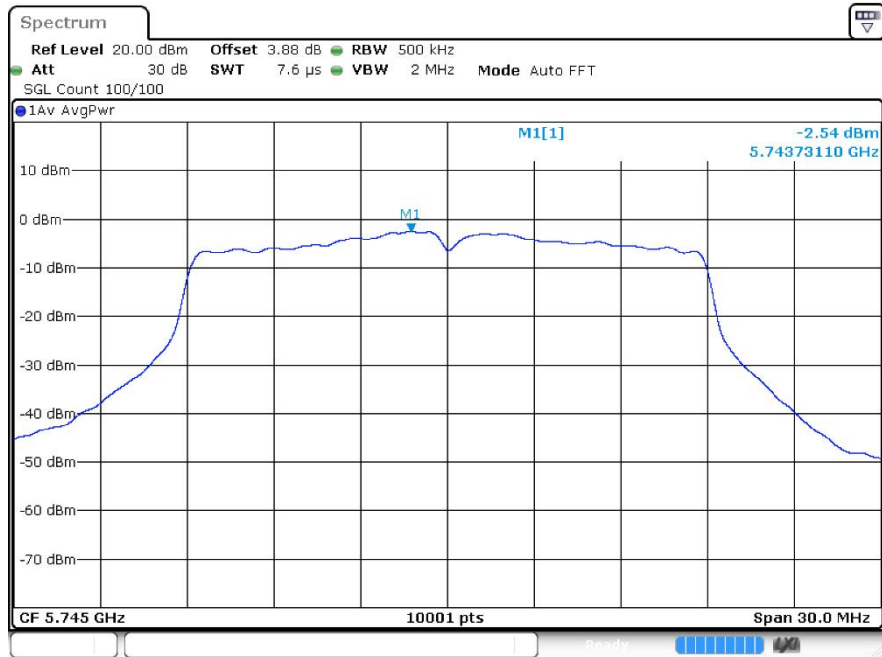
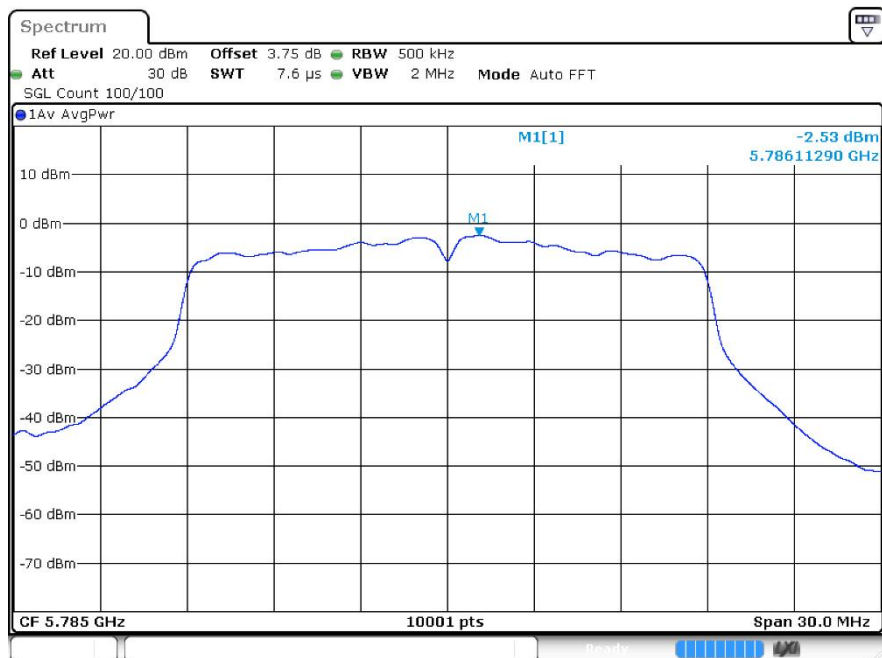
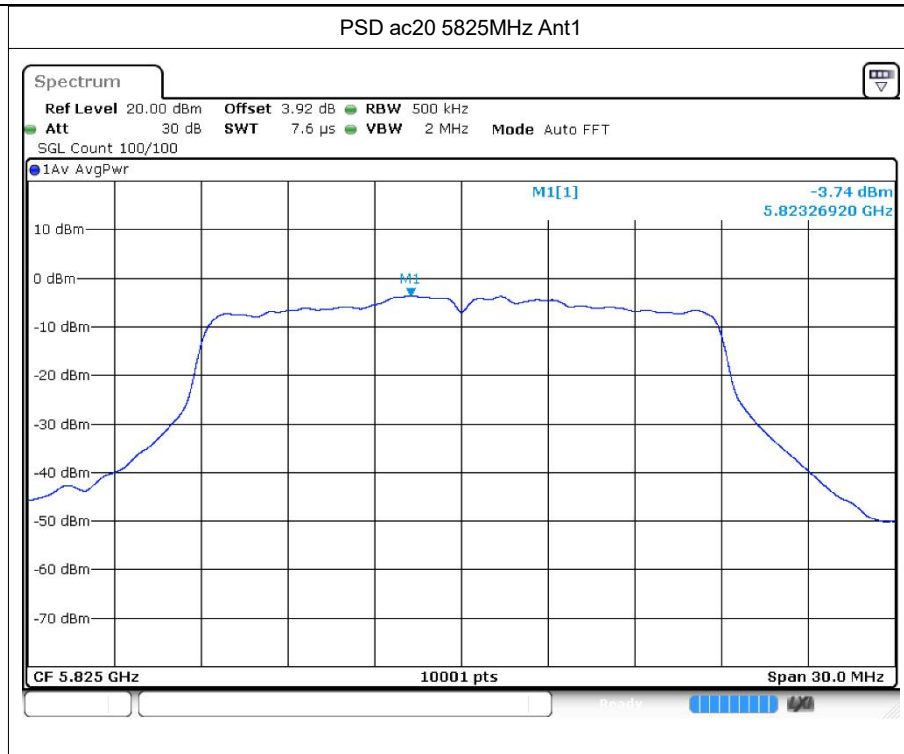


PSD ac20 5745MHz Ant1

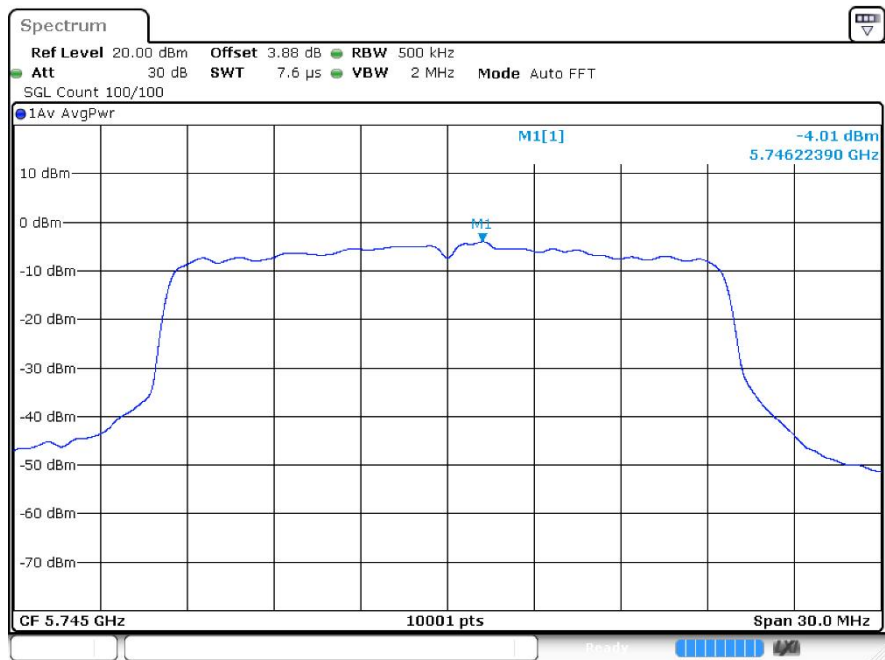


PSD ac20 5785MHz Ant1

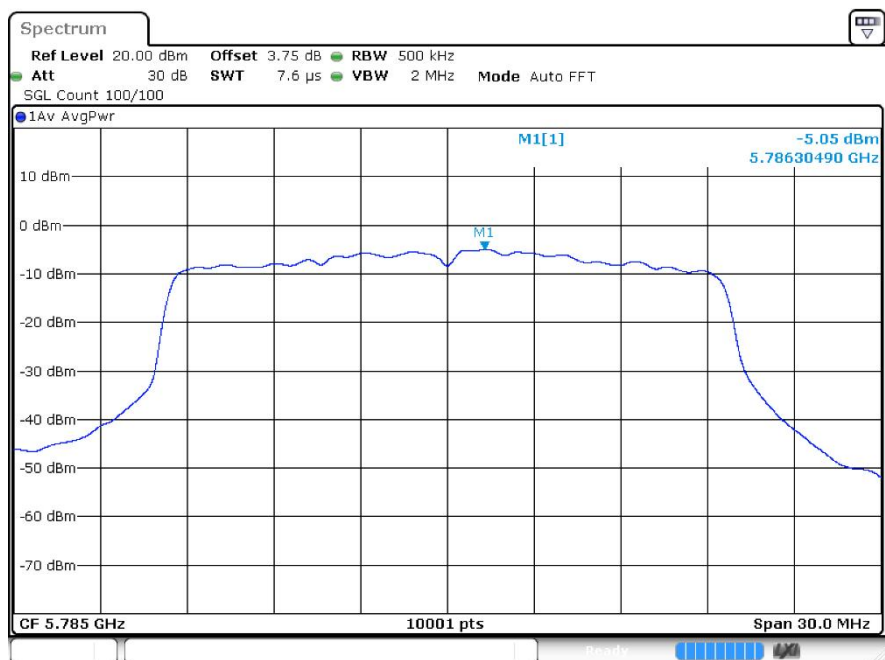


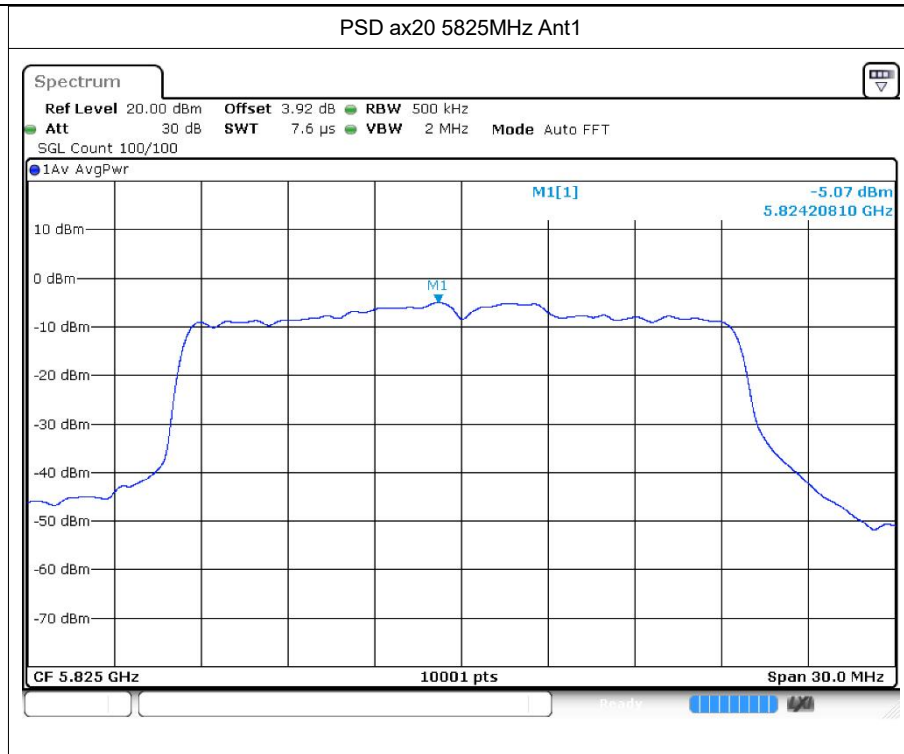


PSD ax20 5745MHz Ant1



PSD ax20 5785MHz 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	5745	Ant1	5745	0	0	25	Pass
20C 120V	a	5745	Ant1	5745.04	40000	6.96	25	Pass
20C 138V	a	5745	Ant1	5745	0	0	25	Pass
-20C 120V	a	5745	Ant1	5744.98	-20000	-3.48	25	Pass
-10C 120V	a	5745	Ant1	5745.02	20000	3.48	25	Pass
0C 120V	a	5745	Ant1	5745	0	0	25	Pass
10C 120V	a	5745	Ant1	5745.02	20000	3.48	25	Pass
30C 120V	a	5745	Ant1	5745	0	0	25	Pass
40C 120V	a	5745	Ant1	5745	0	0	25	Pass
50C 120V	a	5745	Ant1	5745	0	0	25	Pass
20C 102V	a	5785	Ant1	5785	0	0	25	Pass
20C 120V	a	5785	Ant1	5785.02	20000	3.46	25	Pass
20C 138V	a	5785	Ant1	5784.98	-20000	-3.46	25	Pass
-20C 120V	a	5785	Ant1	5785	0	0	25	Pass
-10C 120V	a	5785	Ant1	5785.02	20000	3.46	25	Pass
0C 120V	a	5785	Ant1	5785.02	20000	3.46	25	Pass
10C 120V	a	5785	Ant1	5785	0	0	25	Pass
30C 120V	a	5785	Ant1	5784.98	-20000	-3.46	25	Pass
40C 120V	a	5785	Ant1	5784.98	-20000	-3.46	25	Pass
50C 120V	a	5785	Ant1	5785	0	0	25	Pass
20C 102V	a	5825	Ant1	5825.02	20000	3.43	25	Pass
20C 120V	a	5825	Ant1	5825	0	0	25	Pass
20C 138V	a	5825	Ant1	5825	0	0	25	Pass
-20C 120V	a	5825	Ant1	5825.02	20000	3.43	25	Pass
-10C 120V	a	5825	Ant1	5825	0	0	25	Pass
0C 120V	a	5825	Ant1	5825	0	0	25	Pass
10C 120V	a	5825	Ant1	5825.04	40000	6.87	25	Pass
30C 120V	a	5825	Ant1	5825.02	20000	3.43	25	Pass
40C 120V	a	5825	Ant1	5825.02	20000	3.43	25	Pass
50C 120V	a	5825	Ant1	5825.02	20000	3.43	25	Pass
20C 102V	n20	5745	Ant1	5745	0	0	25	Pass
20C 120V	n20	5745	Ant1	5745	0	0	25	Pass
20C 138V	n20	5745	Ant1	5745	0	0	25	Pass
-20C 120V	n20	5745	Ant1	5744.98	-20000	-3.48	25	Pass



-10C 120V	n20	5745	Ant1	5745	0	0	25	Pass
0C 120V	n20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
10C 120V	n20	5745	Ant1	5745	0	0	25	Pass
30C 120V	n20	5745	Ant1	5745	0	0	25	Pass
40C 120V	n20	5745	Ant1	5745	0	0	25	Pass
50C 120V	n20	5745	Ant1	5745	0	0	25	Pass
20C 102V	n20	5785	Ant1	5785	0	0	25	Pass
20C 120V	n20	5785	Ant1	5785	0	0	25	Pass
20C 138V	n20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
-20C 120V	n20	5785	Ant1	5785	0	0	25	Pass
-10C 120V	n20	5785	Ant1	5785	0	0	25	Pass
0C 120V	n20	5785	Ant1	5785.02	20000	3.46	25	Pass
10C 120V	n20	5785	Ant1	5785	0	0	25	Pass
30C 120V	n20	5785	Ant1	5785.02	20000	3.46	25	Pass
40C 120V	n20	5785	Ant1	5785	0	0	25	Pass
50C 120V	n20	5785	Ant1	5785	0	0	25	Pass
20C 102V	n20	5825	Ant1	5825	0	0	25	Pass
20C 120V	n20	5825	Ant1	5825	0	0	25	Pass
20C 138V	n20	5825	Ant1	5825	0	0	25	Pass
-20C 120V	n20	5825	Ant1	5825	0	0	25	Pass
-10C 120V	n20	5825	Ant1	5825	0	0	25	Pass
0C 120V	n20	5825	Ant1	5825	0	0	25	Pass
10C 120V	n20	5825	Ant1	5825	0	0	25	Pass
30C 120V	n20	5825	Ant1	5825	0	0	25	Pass
40C 120V	n20	5825	Ant1	5825	0	0	25	Pass
50C 120V	n20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
20C 102V	n40	5755	Ant1	5755.04	40000	6.95	25	Pass
20C 120V	n40	5755	Ant1	5755	0	0	25	Pass
20C 138V	n40	5755	Ant1	5755	0	0	25	Pass
-20C 120V	n40	5755	Ant1	5755	0	0	25	Pass
-10C 120V	n40	5755	Ant1	5755	0	0	25	Pass
0C 120V	n40	5755	Ant1	5755	0	0	25	Pass
10C 120V	n40	5755	Ant1	5755	0	0	25	Pass
30C 120V	n40	5755	Ant1	5755	0	0	25	Pass
40C 120V	n40	5755	Ant1	5755.04	40000	6.95	25	Pass
50C 120V	n40	5755	Ant1	5755	0	0	25	Pass
20C 102V	n40	5795	Ant1	5795	0	0	25	Pass
20C 120V	n40	5795	Ant1	5795	0	0	25	Pass
20C 138V	n40	5795	Ant1	5795	0	0	25	Pass
-20C 120V	n40	5795	Ant1	5795	0	0	25	Pass
-10C 120V	n40	5795	Ant1	5795	0	0	25	Pass
0C 120V	n40	5795	Ant1	5795	0	0	25	Pass
10C 120V	n40	5795	Ant1	5795	0	0	25	Pass



30C 120V	n40	5795	Ant1	5795	0	0	25	Pass
40C 120V	n40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
50C 120V	n40	5795	Ant1	5795	0	0	25	Pass
20C 102V	ac20	5745	Ant1	5745.02	20000	3.48	25	Pass
20C 120V	ac20	5745	Ant1	5745	0	0	25	Pass
20C 138V	ac20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
-20C 120V	ac20	5745	Ant1	5745.02	20000	3.48	25	Pass
-10C 120V	ac20	5745	Ant1	5745.02	20000	3.48	25	Pass
0C 120V	ac20	5745	Ant1	5745.02	20000	3.48	25	Pass
10C 120V	ac20	5745	Ant1	5745	0	0	25	Pass
30C 120V	ac20	5745	Ant1	5745.04	40000	6.96	25	Pass
40C 120V	ac20	5745	Ant1	5745.02	20000	3.48	25	Pass
50C 120V	ac20	5745	Ant1	5745.02	20000	3.48	25	Pass
20C 102V	ac20	5785	Ant1	5785	0	0	25	Pass
20C 120V	ac20	5785	Ant1	5785	0	0	25	Pass
20C 138V	ac20	5785	Ant1	5785	0	0	25	Pass
-20C 120V	ac20	5785	Ant1	5785	0	0	25	Pass
-10C 120V	ac20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
0C 120V	ac20	5785	Ant1	5785	0	0	25	Pass
10C 120V	ac20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
30C 120V	ac20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
40C 120V	ac20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
50C 120V	ac20	5785	Ant1	5785	0	0	25	Pass
20C 102V	ac20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
20C 120V	ac20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
20C 138V	ac20	5825	Ant1	5825	0	0	25	Pass
-20C 120V	ac20	5825	Ant1	5825	0	0	25	Pass
-10C 120V	ac20	5825	Ant1	5825	0	0	25	Pass
0C 120V	ac20	5825	Ant1	5825	0	0	25	Pass
10C 120V	ac20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
30C 120V	ac20	5825	Ant1	5825.02	20000	3.43	25	Pass
40C 120V	ac20	5825	Ant1	5825	0	0	25	Pass
50C 120V	ac20	5825	Ant1	5825.02	20000	3.43	25	Pass
20C 102V	ax20	5745	Ant1	5745	0	0	25	Pass
20C 120V	ax20	5745	Ant1	5745.08	80000	13.93	25	Pass
20C 138V	ax20	5745	Ant1	5745	0	0	25	Pass
-20C 120V	ax20	5745	Ant1	5745.02	20000	3.48	25	Pass
-10C 120V	ax20	5745	Ant1	5745	0	0	25	Pass
0C 120V	ax20	5745	Ant1	5745.04	40000	6.96	25	Pass
10C 120V	ax20	5745	Ant1	5745	0	0	25	Pass
30C 120V	ax20	5745	Ant1	5745.04	40000	6.96	25	Pass
40C 120V	ax20	5745	Ant1	5745.12	120000	20.89	25	Pass
50C 120V	ax20	5745	Ant1	5745	0	0	25	Pass



20C 102V	ax20	5785	Ant1	5785	0	0	25	Pass
20C 120V	ax20	5785	Ant1	5785	0	0	25	Pass
20C 138V	ax20	5785	Ant1	5785.02	20000	3.46	25	Pass
-20C 120V	ax20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
-10C 120V	ax20	5785	Ant1	5785	0	0	25	Pass
0C 120V	ax20	5785	Ant1	5785	0	0	25	Pass
10C 120V	ax20	5785	Ant1	5785.02	20000	3.46	25	Pass
30C 120V	ax20	5785	Ant1	5785	0	0	25	Pass
40C 120V	ax20	5785	Ant1	5785	0	0	25	Pass
50C 120V	ax20	5785	Ant1	5785	0	0	25	Pass
20C 102V	ax20	5825	Ant1	5825	0	0	25	Pass
20C 120V	ax20	5825	Ant1	5825	0	0	25	Pass
20C 138V	ax20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
-20C 120V	ax20	5825	Ant1	5825	0	0	25	Pass
-10C 120V	ax20	5825	Ant1	5825	0	0	25	Pass
0C 120V	ax20	5825	Ant1	5825.02	20000	3.43	25	Pass
10C 120V	ax20	5825	Ant1	5825	0	0	25	Pass
30C 120V	ax20	5825	Ant1	5825	0	0	25	Pass
40C 120V	ax20	5825	Ant1	5825.02	20000	3.43	25	Pass
50C 120V	ax20	5825	Ant1	5825.02	20000	3.43	25	Pass

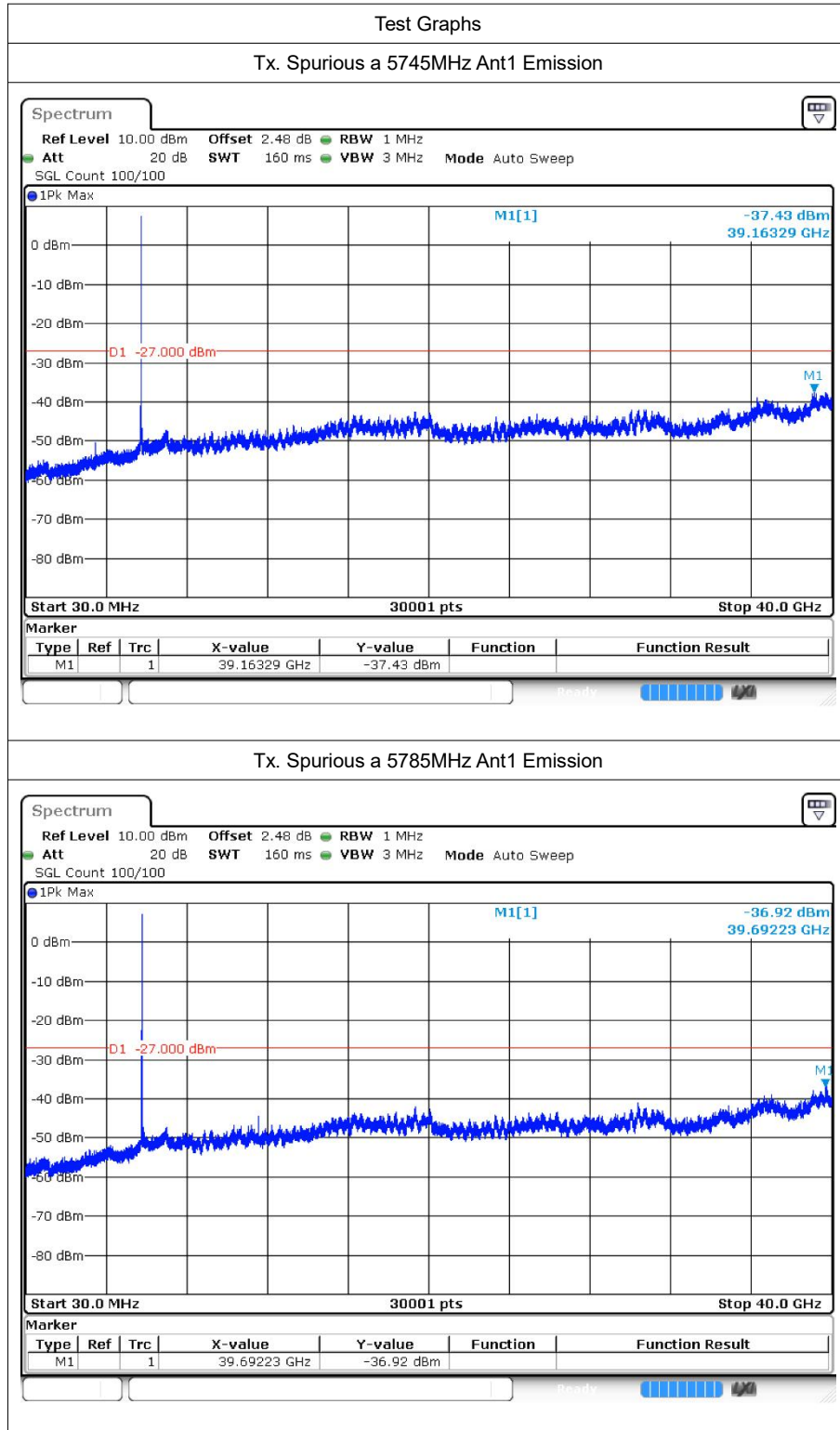


7 Conducted RF Spurious Emission

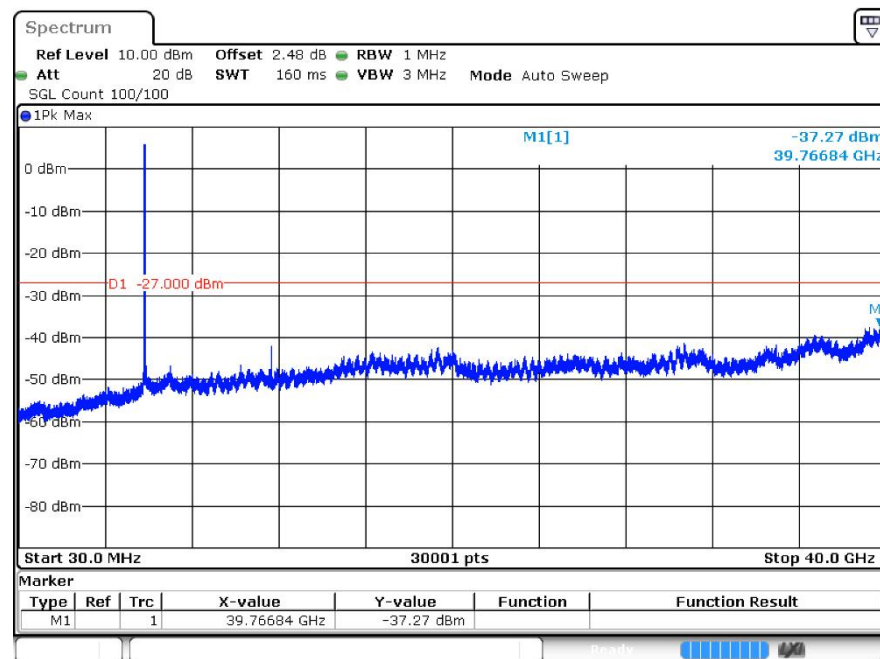
7.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
a	5745	Ant1	-37.43	-27	Pass
a	5785	Ant1	-36.91	-27	Pass
a	5825	Ant1	-37.26	-27	Pass
n20	5745	Ant1	-37.02	-27	Pass
n20	5785	Ant1	-37.45	-27	Pass
n20	5825	Ant1	-37.48	-27	Pass
n40	5755	Ant1	-37.66	-27	Pass
n40	5795	Ant1	-37.47	-27	Pass
ac20	5745	Ant1	-37.56	-27	Pass
ac20	5785	Ant1	-37.42	-27	Pass
ac20	5825	Ant1	-37.05	-27	Pass
ax20	5745	Ant1	-37.22	-27	Pass
ax20	5785	Ant1	-37.58	-27	Pass
ax20	5825	Ant1	-37.04	-27	Pass

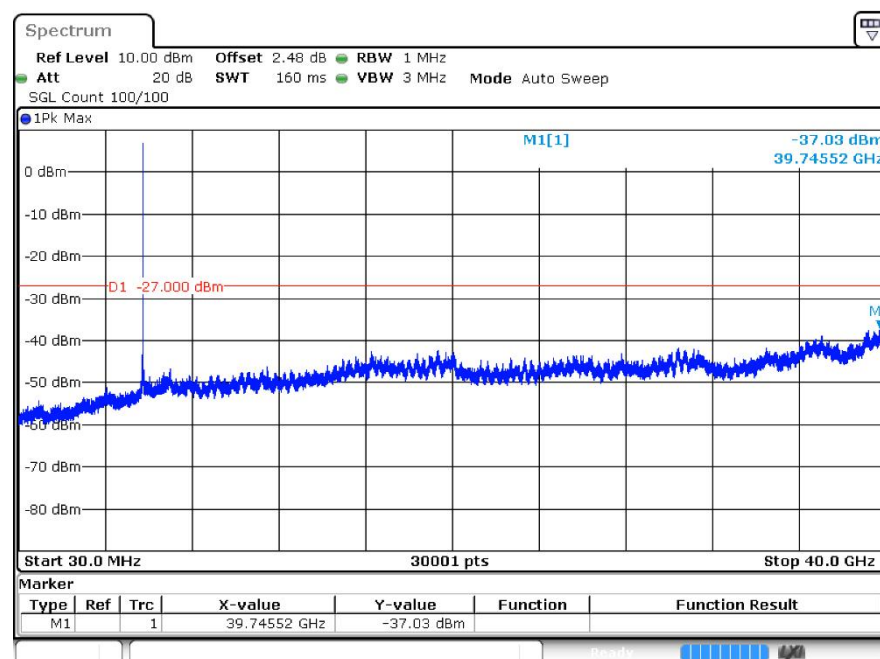
7.2 Test Graphs



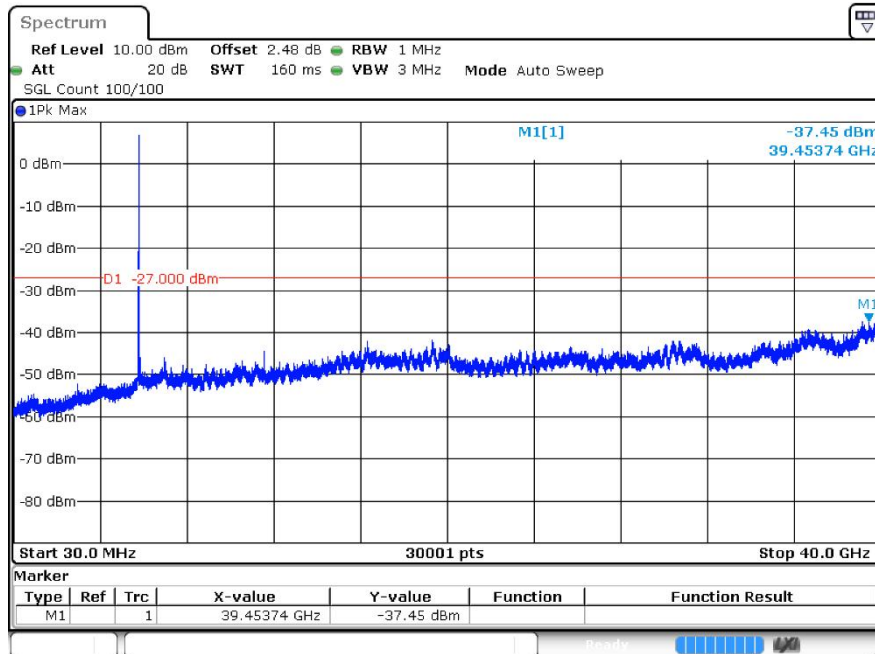
Tx. Spurious a 5825MHz Ant1 Emission



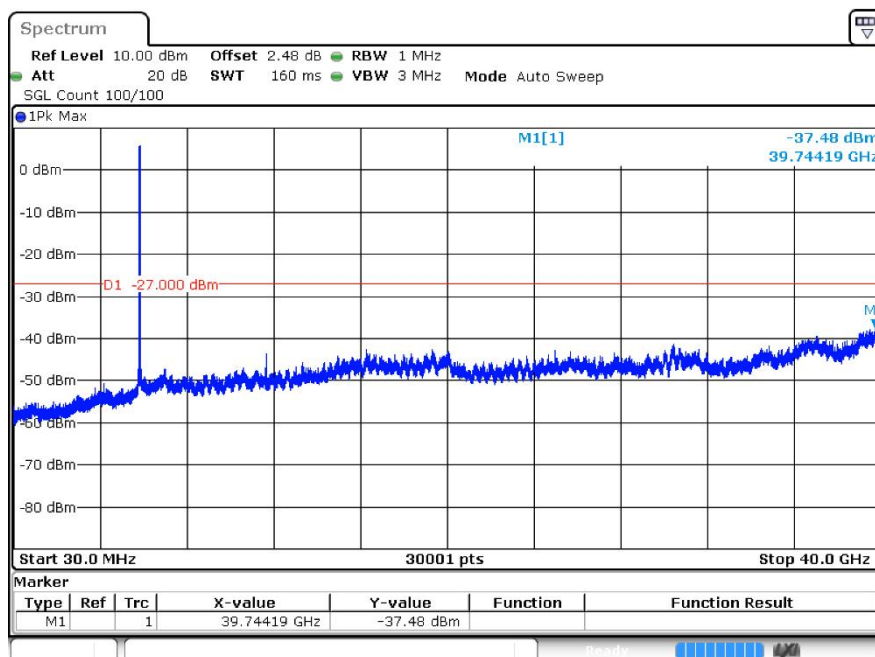
Tx. Spurious n20 5745MHz Ant1 Emission



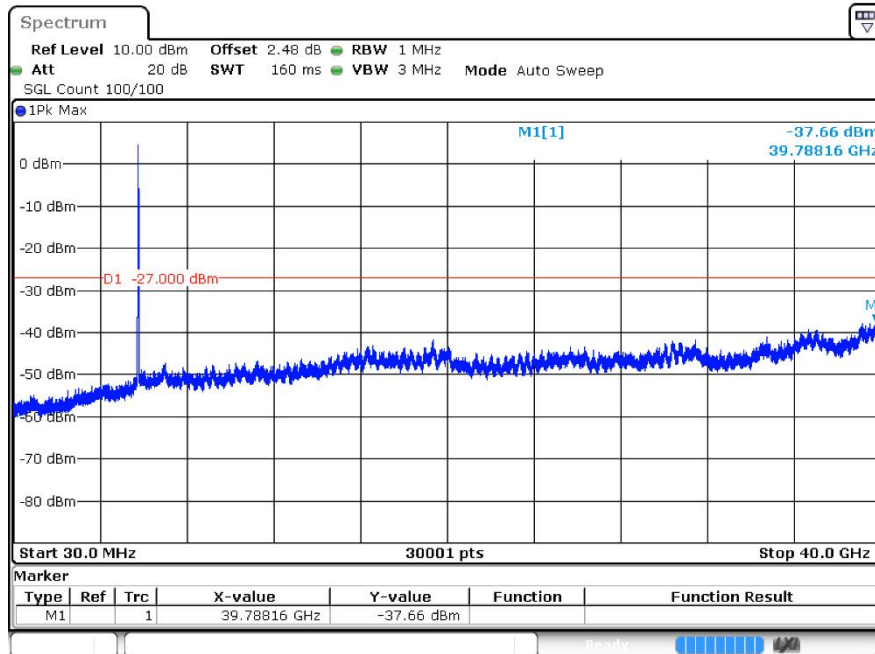
Tx. Spurious n20 5785MHz Ant1 Emission



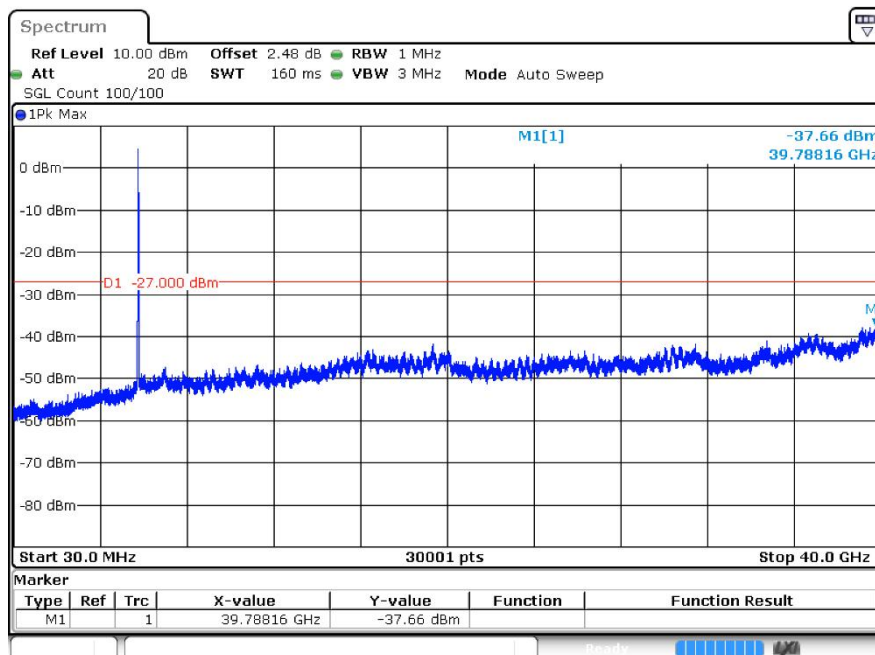
Tx. Spurious n20 5825MHz Ant1 Emission



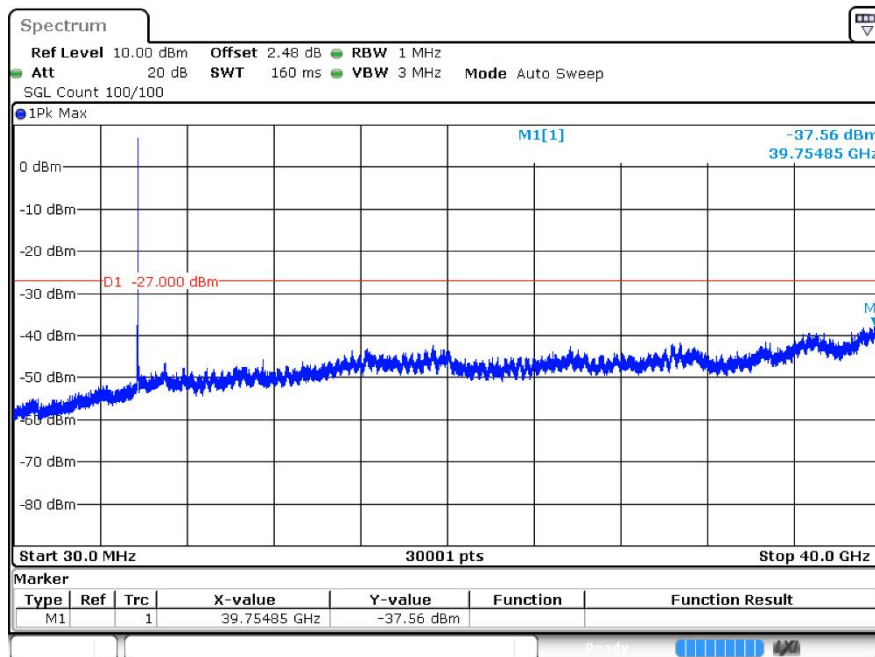
Tx. Spurious n40 5755MHz Ant1 Emission



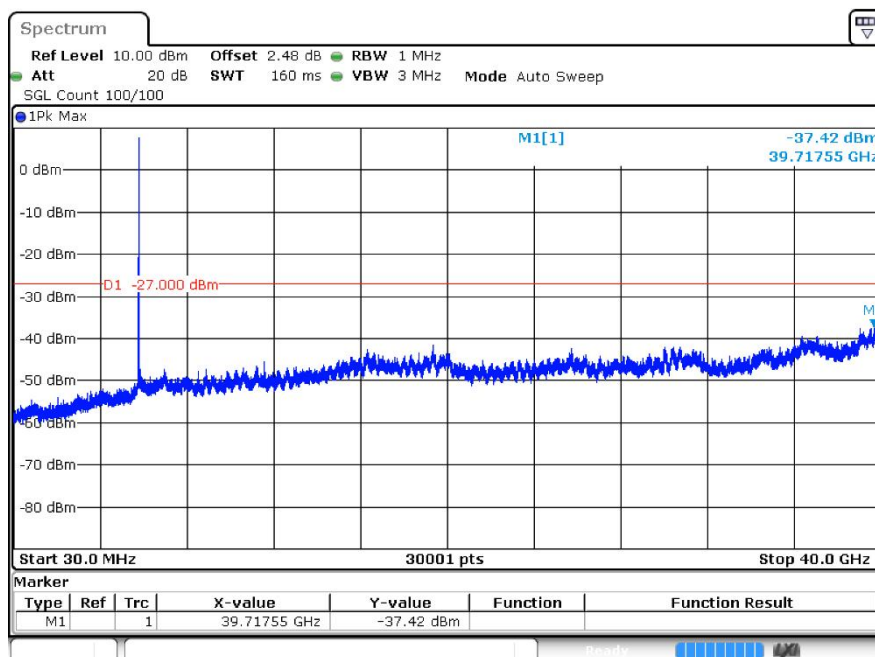
Tx. Spurious n40 5795MHz Ant1 Emission

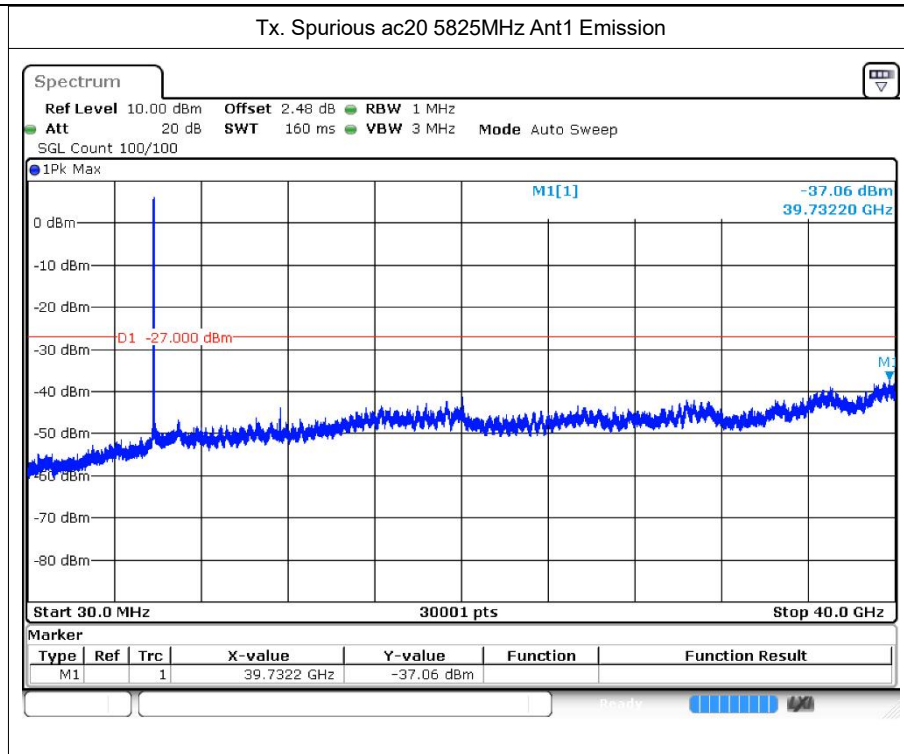


Tx. Spurious ac20 5745MHz Ant1 Emission

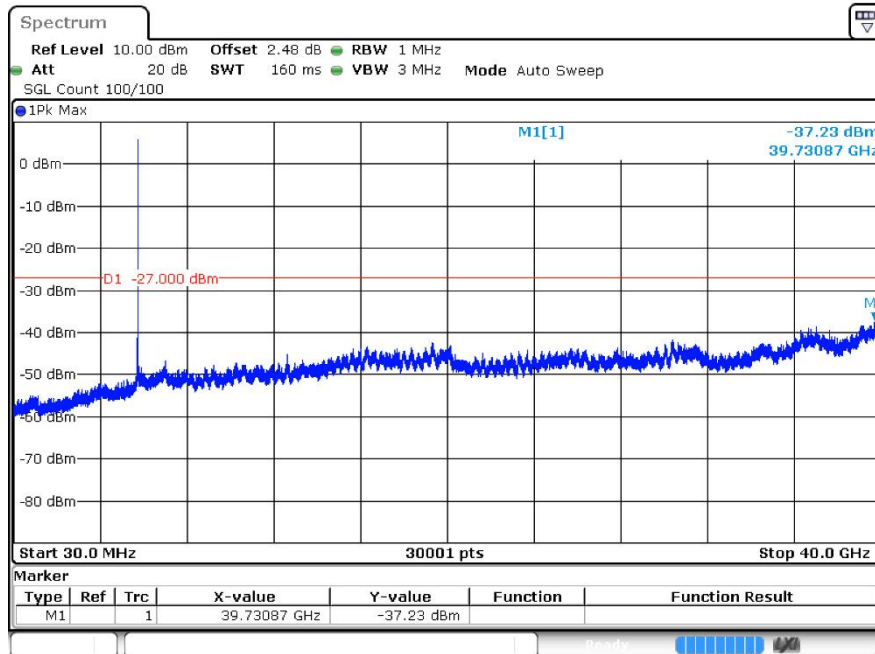


Tx. Spurious ac20 5785MHz Ant1 Emission

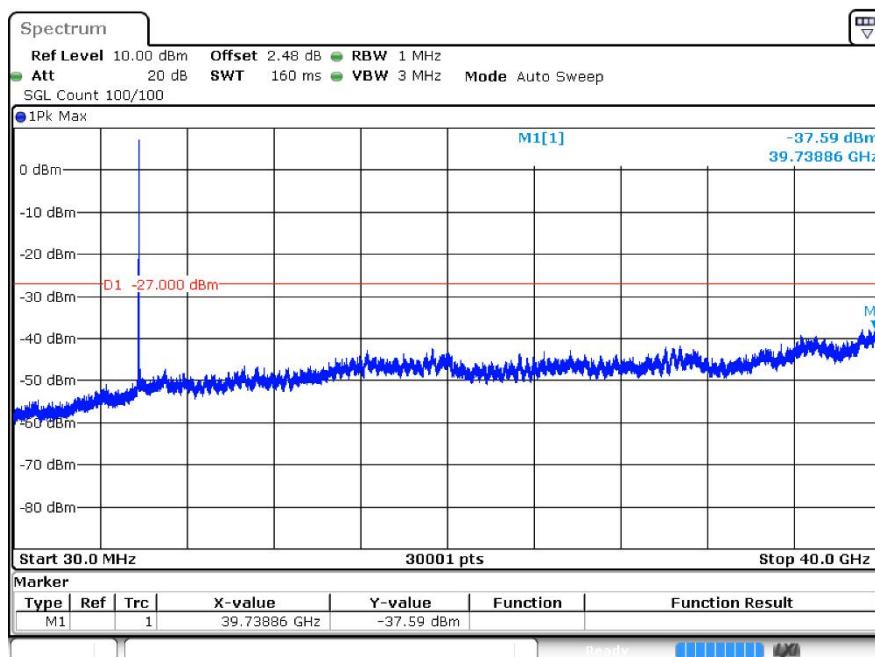


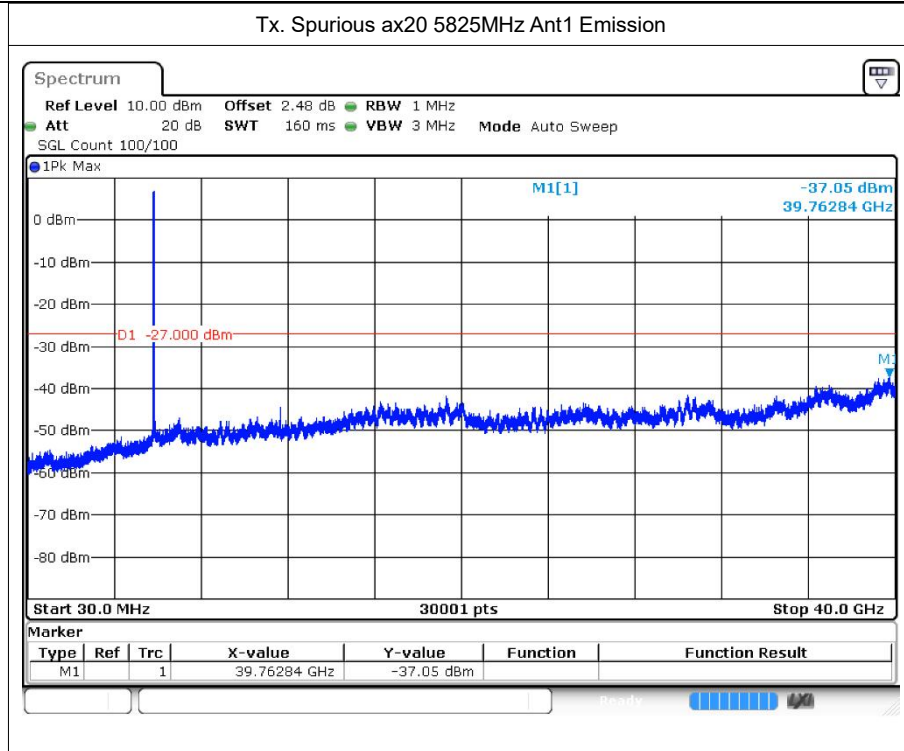


Tx. Spurious ax20 5745MHz Ant1 Emission



Tx. Spurious ax20 5785MHz Ant1 Emission







8 Restrict Band

8.1 Test Result

Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor	EIRP Power (dBm)	Detector	Limit (dBm)	Verdict
a	5745	Ant1	5650	-42.21	2	-	-40.21	Peak	-27	Pass
a	5745	Ant1	5650	-50.27	2	0.46	-47.81	Average	-27	Pass
a	5745	Ant1	5700	-42.32	2	-	-40.32	Peak	10	Pass
a	5745	Ant1	5700	-49.46	2	0.46	-47	Average	10	Pass
a	5745	Ant1	5720	-42.1	2	-	-40.1	Peak	15.6	Pass
a	5745	Ant1	5720	-50.65	2	0.46	-48.19	Average	15.6	Pass
a	5745	Ant1	5725	-35.27	2	-	-33.27	Peak	27	Pass
a	5745	Ant1	5725	-47.61	2	0.46	-45.15	Average	27	Pass
a	5825	Ant1	5850	-42.46	2	-	-40.46	Peak	27	Pass
a	5825	Ant1	5850	-49.95	2	0.46	-47.49	Average	27	Pass
a	5825	Ant1	5855	-43.34	2	-	-41.34	Peak	15.6	Pass
a	5825	Ant1	5855	-49.66	2	0.46	-47.2	Average	15.6	Pass
a	5825	Ant1	5875	-41.57	2	-	-39.57	Peak	10	Pass
a	5825	Ant1	5875	-49.37	2	0.46	-46.91	Average	10	Pass
a	5825	Ant1	5925	-43.56	2	-	-41.56	Peak	-27	Pass
a	5825	Ant1	5925	-49.4	2	0.46	-46.94	Average	-27	Pass
n20	5745	Ant1	5650	-43.38	2	-	-41.38	Peak	-27	Pass
n20	5745	Ant1	5650	-50.67	2	0.46	-48.21	Average	-27	Pass
n20	5745	Ant1	5700	-42.51	2	-	-40.51	Peak	10	Pass
n20	5745	Ant1	5700	-49.9	2	0.46	-47.44	Average	10	Pass
n20	5745	Ant1	5720	-40.57	2	-	-38.57	Peak	15.6	Pass
n20	5745	Ant1	5720	-50.97	2	0.46	-48.51	Average	15.6	Pass
n20	5745	Ant1	5725	-40.79	2	-	-38.79	Peak	27	Pass
n20	5745	Ant1	5725	-46.14	2	0.46	-43.68	Average	27	Pass
n20	5825	Ant1	5850	-42.15	2	-	-40.15	Peak	27	Pass
n20	5825	Ant1	5850	-49.95	2	0.46	-47.49	Average	27	Pass
n20	5825	Ant1	5855	-42.21	2	-	-40.21	Peak	15.6	Pass
n20	5825	Ant1	5855	-49.15	2	0.46	-46.69	Average	15.6	Pass
n20	5825	Ant1	5875	-41.59	2	-	-39.59	Peak	10	Pass
n20	5825	Ant1	5875	-48.98	2	0.46	-46.52	Average	10	Pass
n20	5825	Ant1	5925	-43.64	2	-	-41.64	Peak	-27	Pass
n20	5825	Ant1	5925	-50.04	2	0.46	-47.58	Average	-27	Pass
n40	5755	Ant1	5650	-43.44	2	-	-41.44	Peak	-27	Pass
n40	5755	Ant1	5650	-50	2	0.46	-47.54	Average	-27	Pass
n40	5755	Ant1	5700	-42.75	2	-	-40.75	Peak	10	Pass

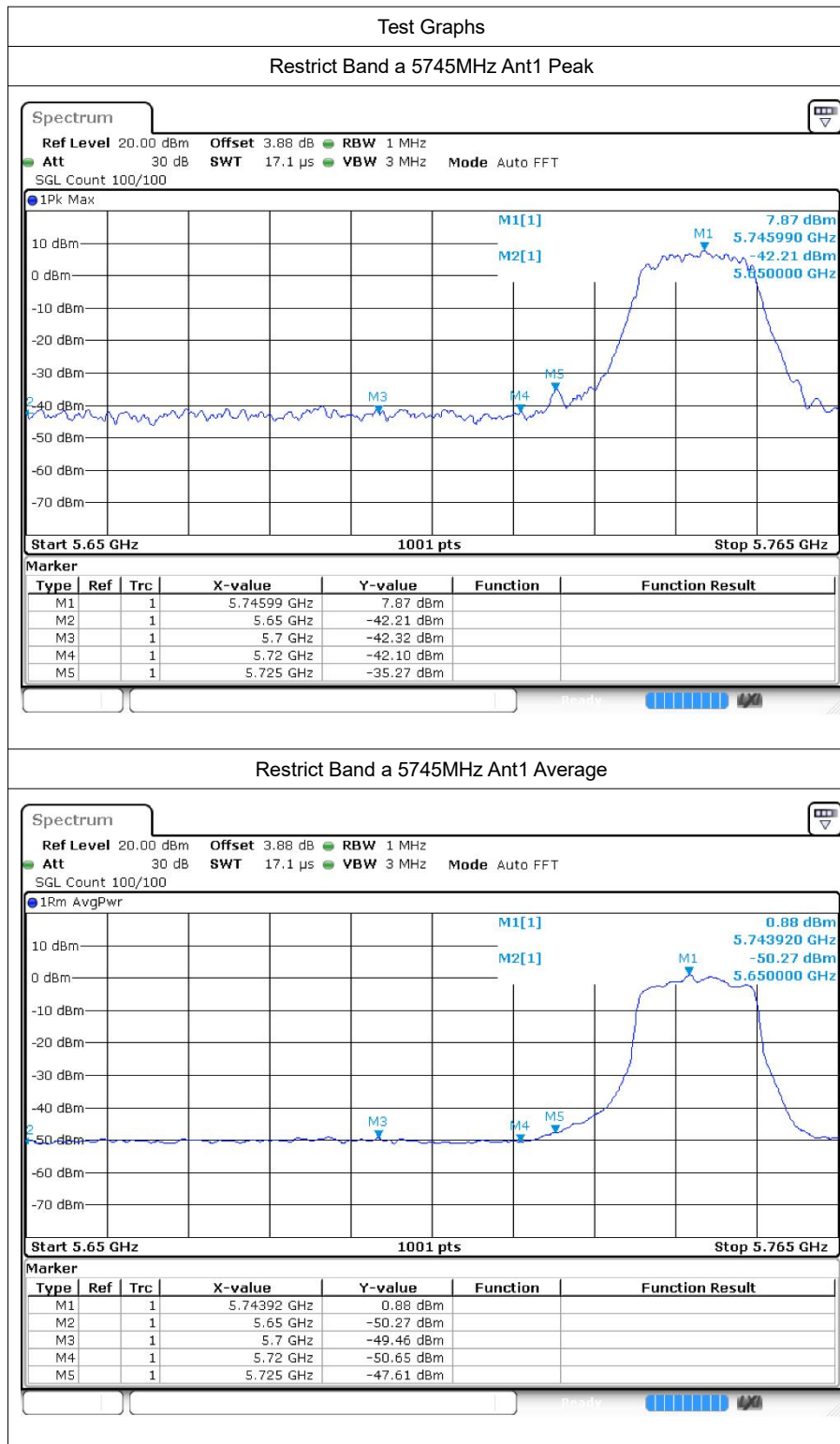


n40	5755	Ant1	5700	-50.41	2	0.46	-47.95	Average	10	Pass
n40	5755	Ant1	5720	-34.26	2	-	-32.26	Peak	15.6	Pass
n40	5755	Ant1	5720	-45.7	2	0.46	-43.24	Average	15.6	Pass
n40	5755	Ant1	5725	-33.08	2	-	-31.08	Peak	27	Pass
n40	5755	Ant1	5725	-43.39	2	0.46	-40.93	Average	27	Pass
n40	5795	Ant1	5850	-41.47	2	-	-39.47	Peak	27	Pass
n40	5795	Ant1	5850	-49.23	2	0.46	-46.77	Average	27	Pass
n40	5795	Ant1	5855	-42.61	2	-	-40.61	Peak	15.6	Pass
n40	5795	Ant1	5855	-49.3	2	0.46	-46.84	Average	15.6	Pass
n40	5795	Ant1	5875	-41.44	2	-	-39.44	Peak	10	Pass
n40	5795	Ant1	5875	-49.61	2	0.46	-47.15	Average	10	Pass
n40	5795	Ant1	5925	-42.79	2	-	-40.79	Peak	-27	Pass
n40	5795	Ant1	5925	-49.73	2	0.46	-47.27	Average	-27	Pass
ac20	5745	Ant1	5650	-43.54	2	-	-41.54	Peak	-27	Pass
ac20	5745	Ant1	5650	-51.1	2	0.46	-48.64	Average	-27	Pass
ac20	5745	Ant1	5700	-41.76	2	-	-39.76	Peak	10	Pass
ac20	5745	Ant1	5700	-49.86	2	0.46	-47.4	Average	10	Pass
ac20	5745	Ant1	5720	-41.35	2	-	-39.35	Peak	15.6	Pass
ac20	5745	Ant1	5720	-49.82	2	0.46	-47.36	Average	15.6	Pass
ac20	5745	Ant1	5725	-39.48	2	-	-37.48	Peak	27	Pass
ac20	5745	Ant1	5725	-46.57	2	0.46	-44.11	Average	27	Pass
ac20	5825	Ant1	5850	-41.72	2	-	-39.72	Peak	27	Pass
ac20	5825	Ant1	5850	-50.02	2	0.46	-47.56	Average	27	Pass
ac20	5825	Ant1	5855	-42.1	2	-	-40.1	Peak	15.6	Pass
ac20	5825	Ant1	5855	-50.28	2	0.46	-47.82	Average	15.6	Pass
ac20	5825	Ant1	5875	-41.61	2	-	-39.61	Peak	10	Pass
ac20	5825	Ant1	5875	-49.69	2	0.46	-47.23	Average	10	Pass
ac20	5825	Ant1	5925	-42.6	2	-	-40.6	Peak	-27	Pass
ac20	5825	Ant1	5925	-49.71	2	0.46	-47.25	Average	-27	Pass
ax20	5745	Ant1	5650	-43.04	2	-	-41.04	Peak	-27	Pass
ax20	5745	Ant1	5650	-49.81	2	0.46	-47.35	Average	-27	Pass
ax20	5745	Ant1	5700	-41.23	2	-	-39.23	Peak	10	Pass
ax20	5745	Ant1	5700	-49.37	2	0.46	-46.91	Average	10	Pass
ax20	5745	Ant1	5720	-41.95	2	-	-39.95	Peak	15.6	Pass
ax20	5745	Ant1	5720	-49.97	2	0.46	-47.51	Average	15.6	Pass
ax20	5745	Ant1	5725	-42.19	2	-	-40.19	Peak	27	Pass
ax20	5745	Ant1	5725	-47.57	2	0.46	-45.11	Average	27	Pass
ax20	5825	Ant1	5850	-43.26	2	-	-41.26	Peak	27	Pass
ax20	5825	Ant1	5850	-49.23	2	0.46	-46.77	Average	27	Pass
ax20	5825	Ant1	5855	-42.73	2	-	-40.73	Peak	15.6	Pass
ax20	5825	Ant1	5855	-49.88	2	0.46	-47.42	Average	15.6	Pass
ax20	5825	Ant1	5875	-40.41	2	-	-38.41	Peak	10	Pass
ax20	5825	Ant1	5875	-48.36	2	0.46	-45.9	Average	10	Pass

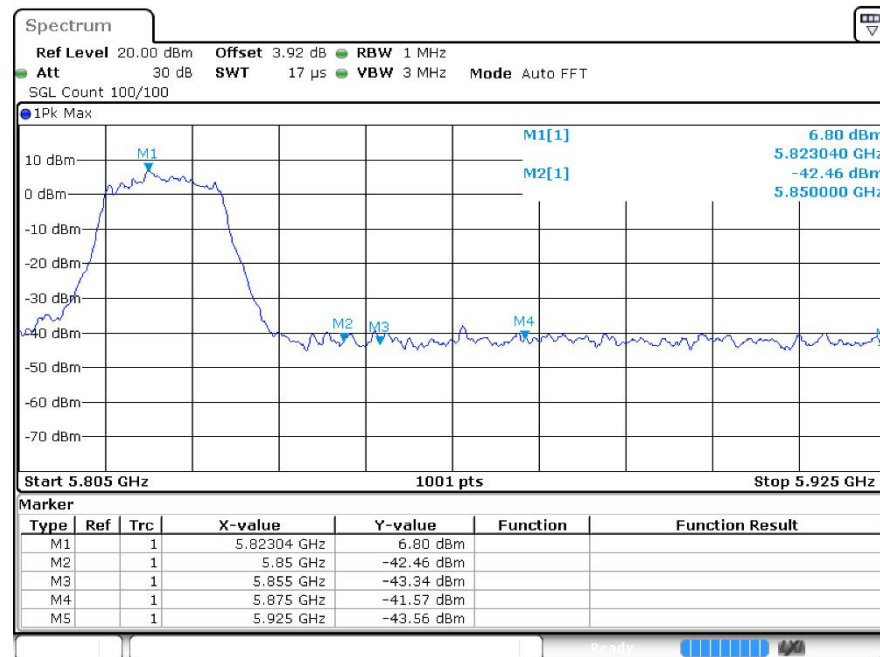


ax20	5825	Ant1	5925	-42.69	2	-	-40.69	Peak	-27	Pass
ax20	5825	Ant1	5925	-50.11	2	0.46	-47.65	Average	-27	Pass

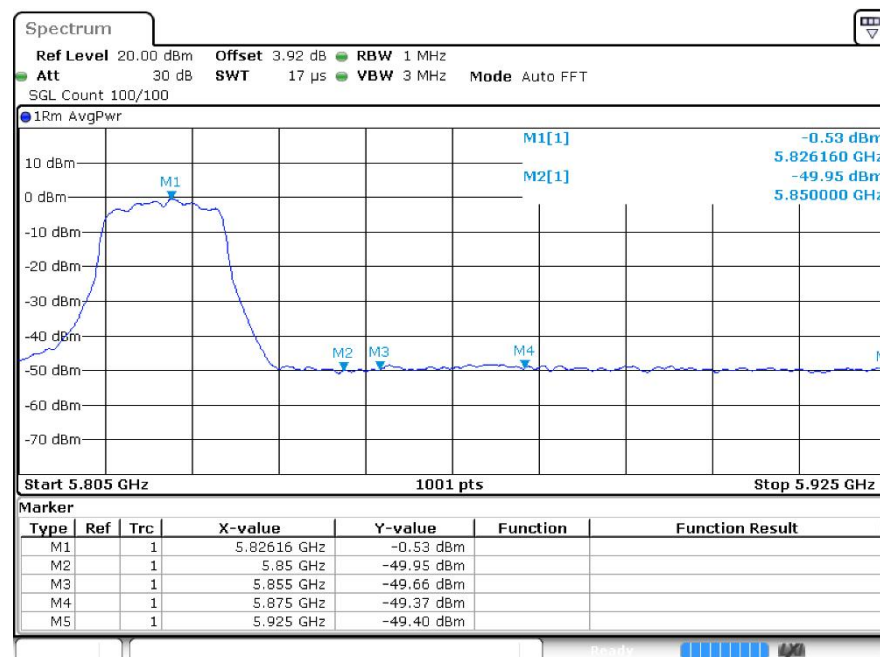
8.2 Test Graphs



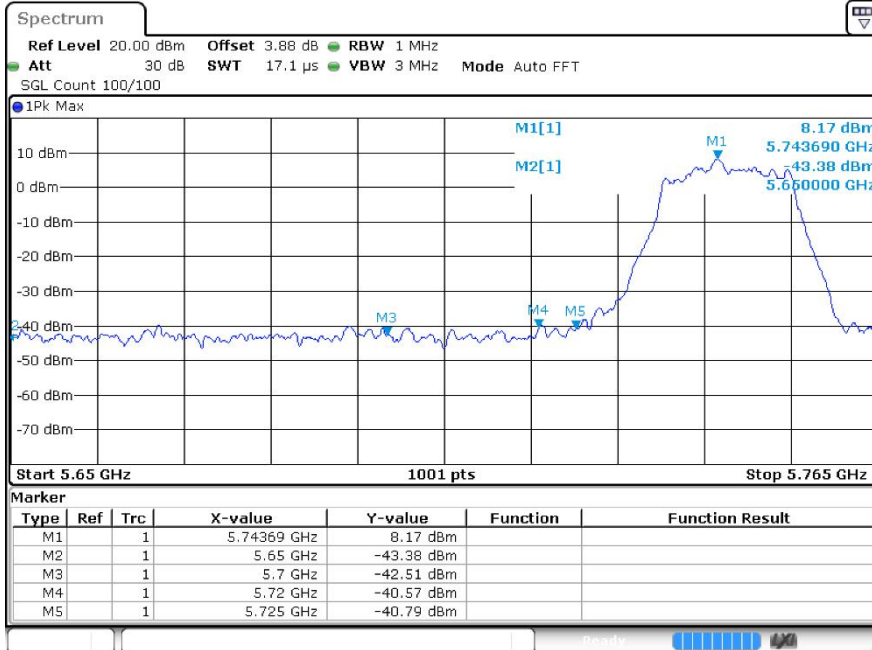
Restrict Band a 5825MHz Ant1 Peak



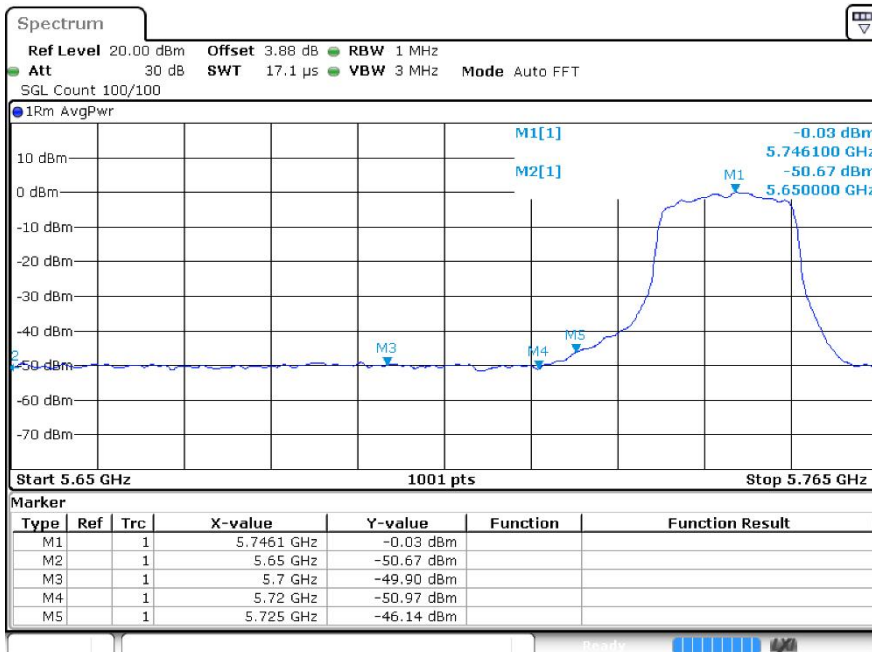
Restrict Band a 5825MHz Ant1 Average



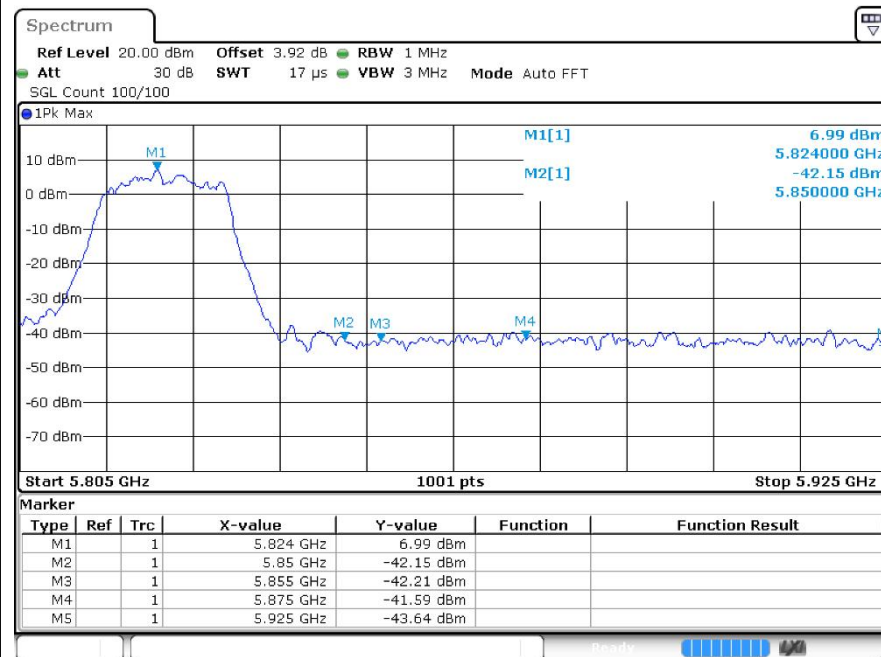
Restrict Band n20 5745MHz Ant1 Peak



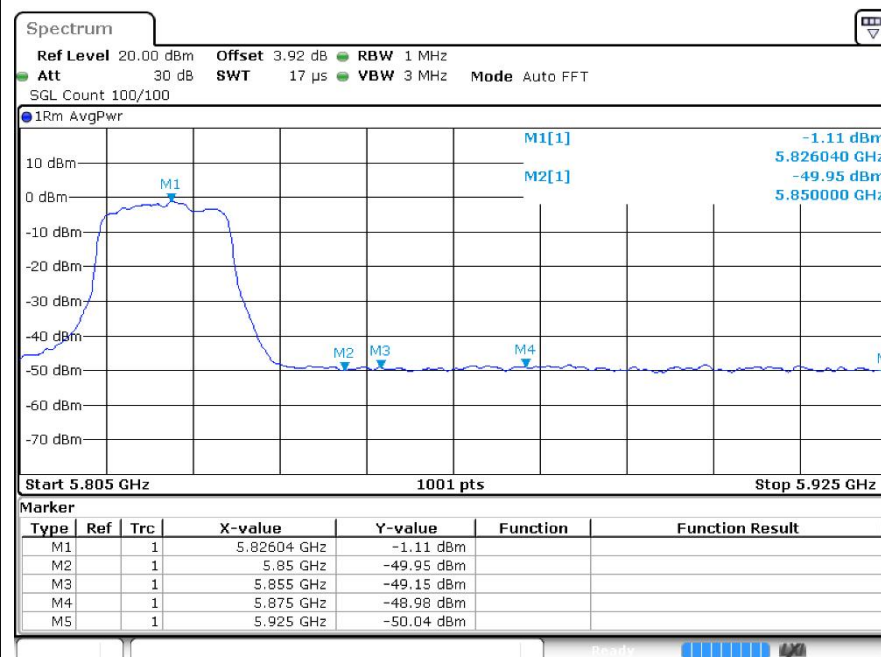
Restrict Band n20 5745MHz Ant1 Average



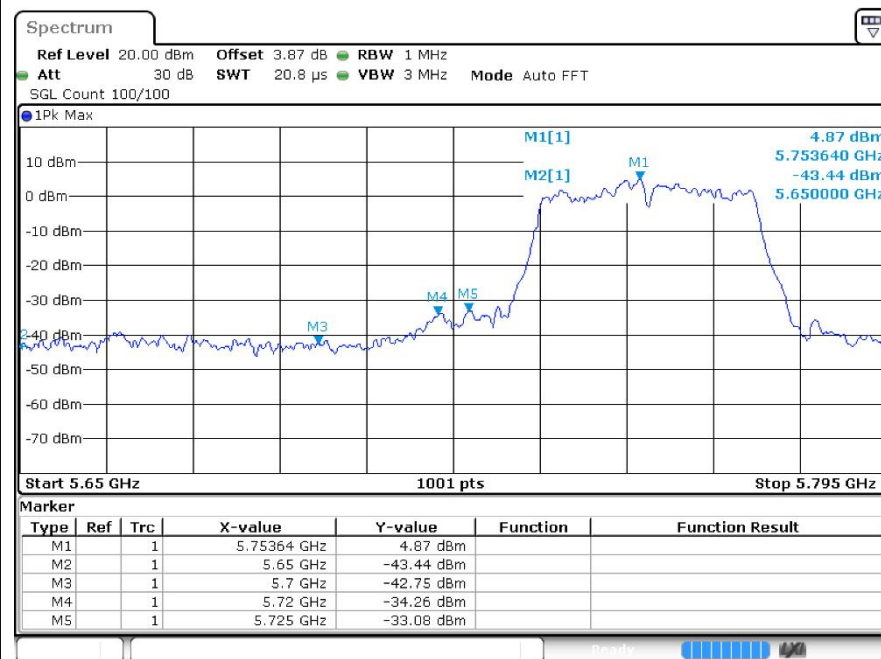
Restrict Band n20 5825MHz Ant1 Peak



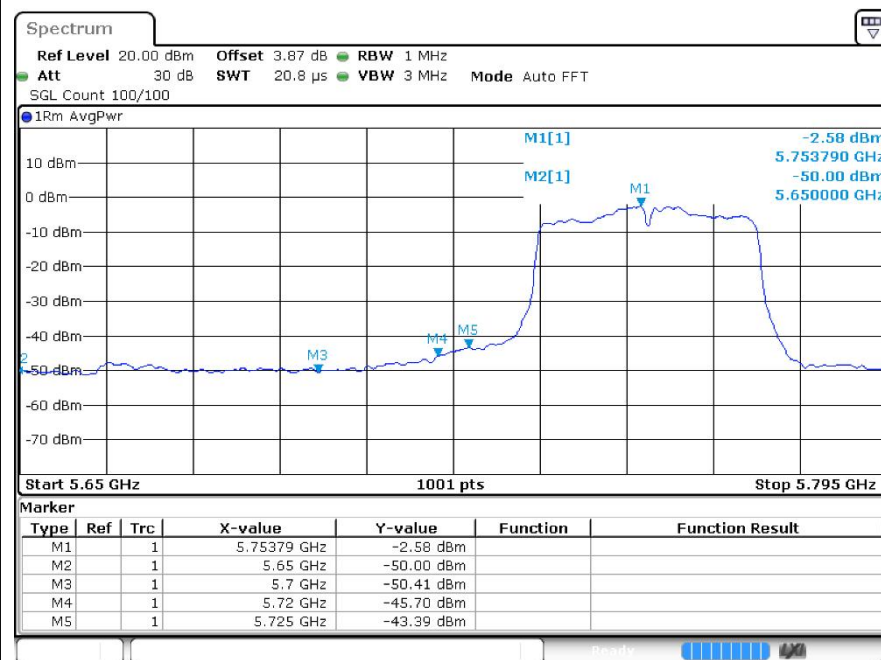
Restrict Band n20 5825MHz Ant1 Average



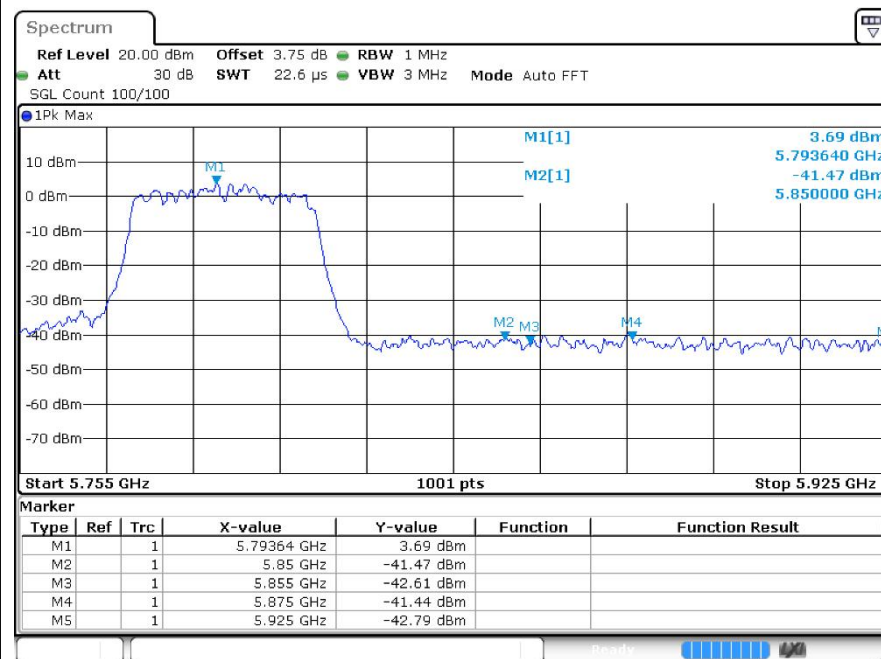
Restrict Band n40 5755MHz Ant1 Peak



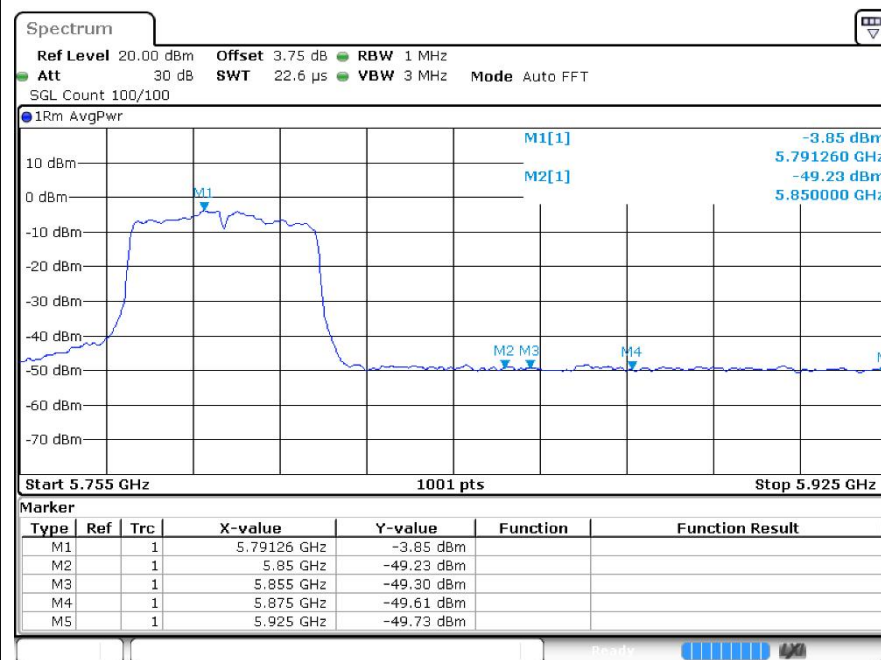
Restrict Band n40 5755MHz Ant1 Average



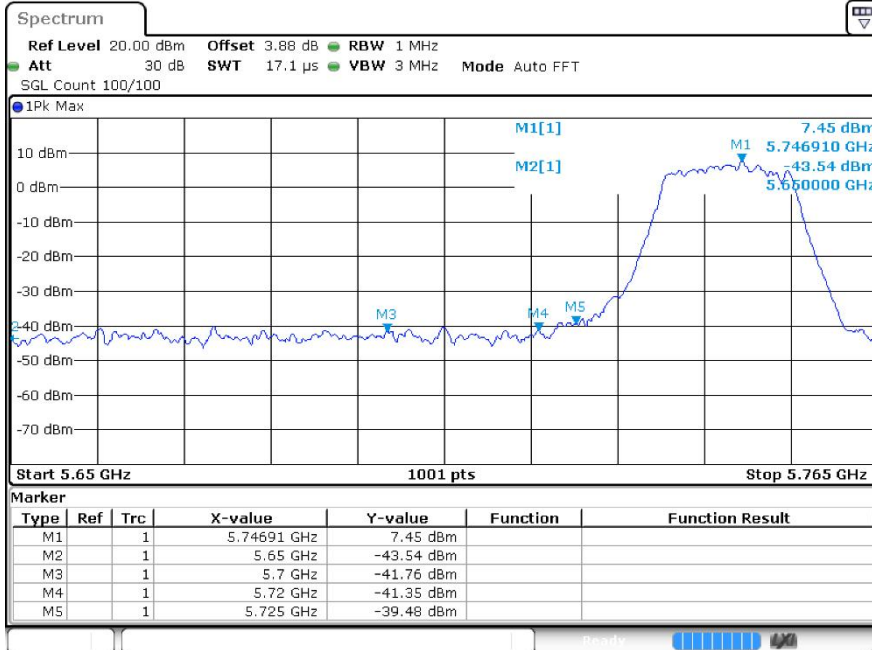
Restrict Band n40 5795MHz Ant1 Peak



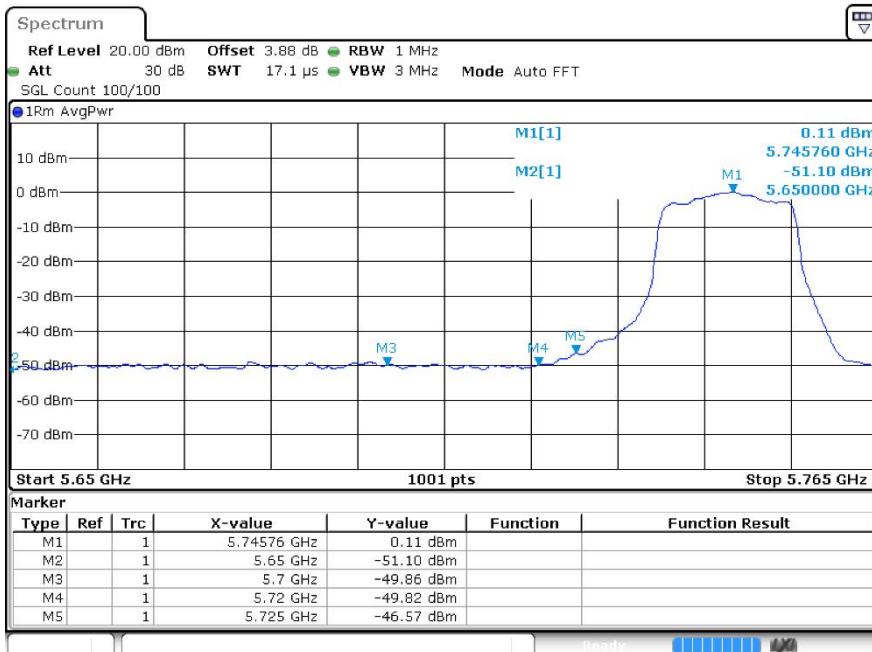
Restrict Band n40 5795MHz Ant1 Average



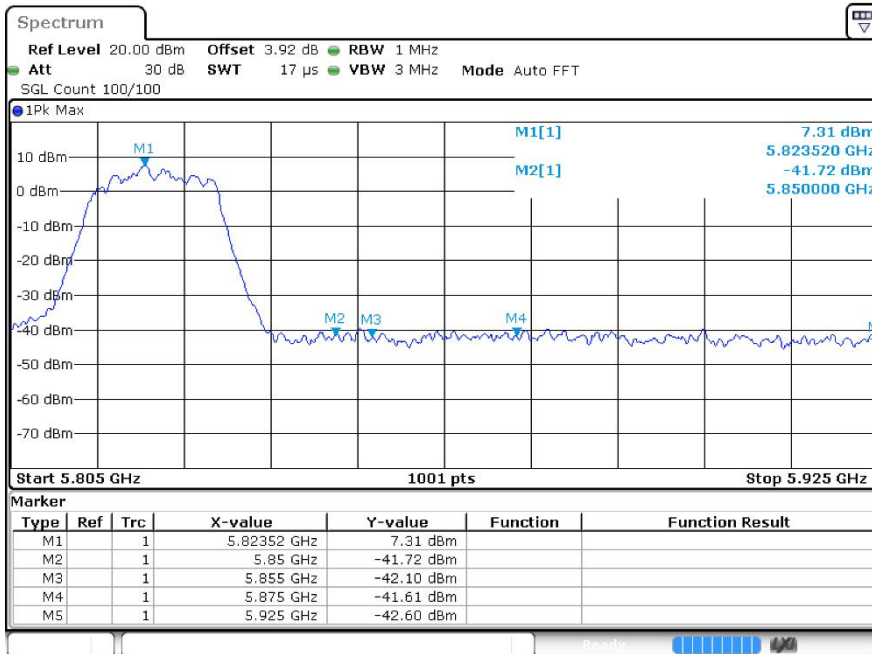
Restrict Band ac20 5745MHz Ant1 Peak



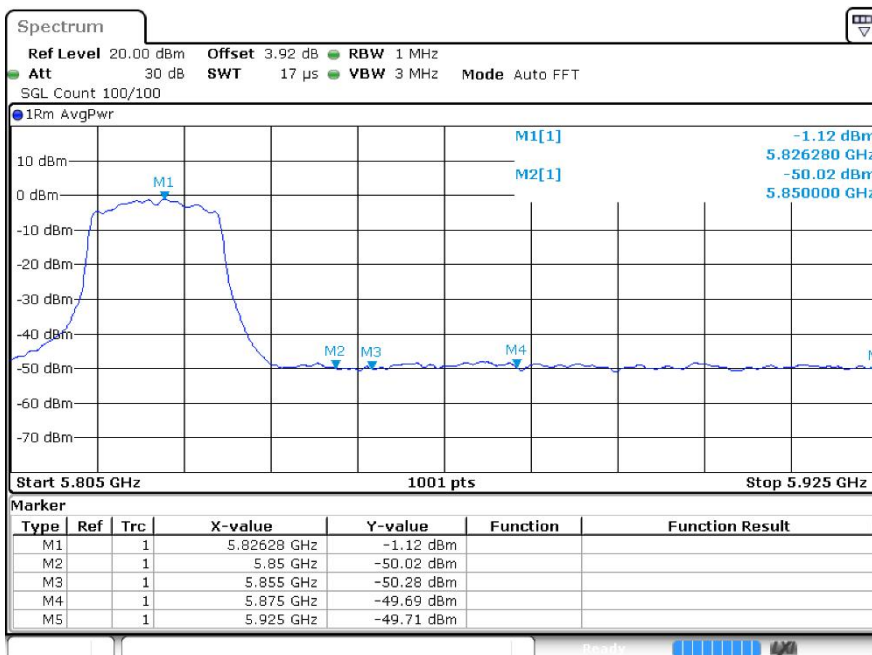
Restrict Band ac20 5745MHz Ant1 Average



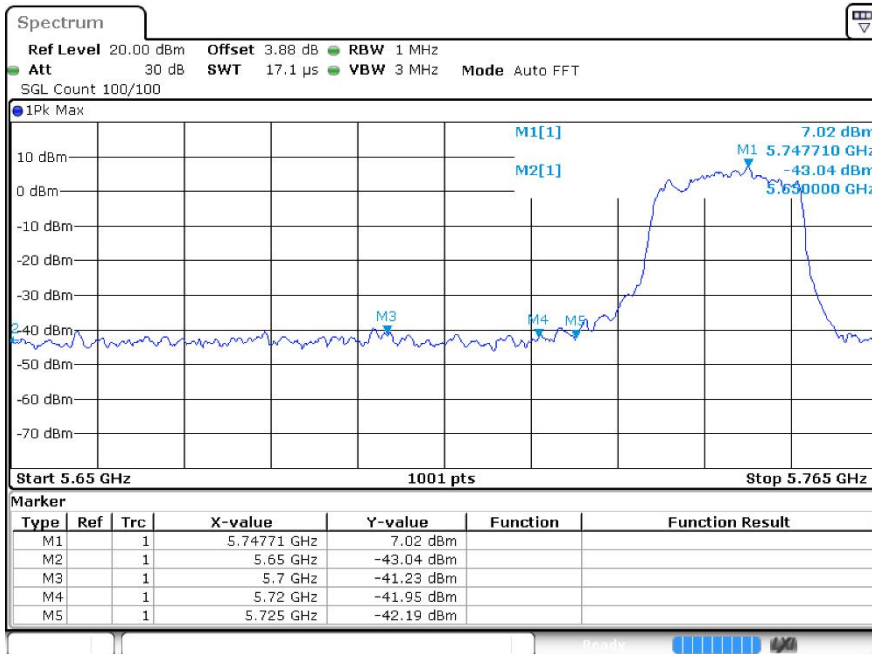
Restrict Band ac20 5825MHz Ant1 Peak



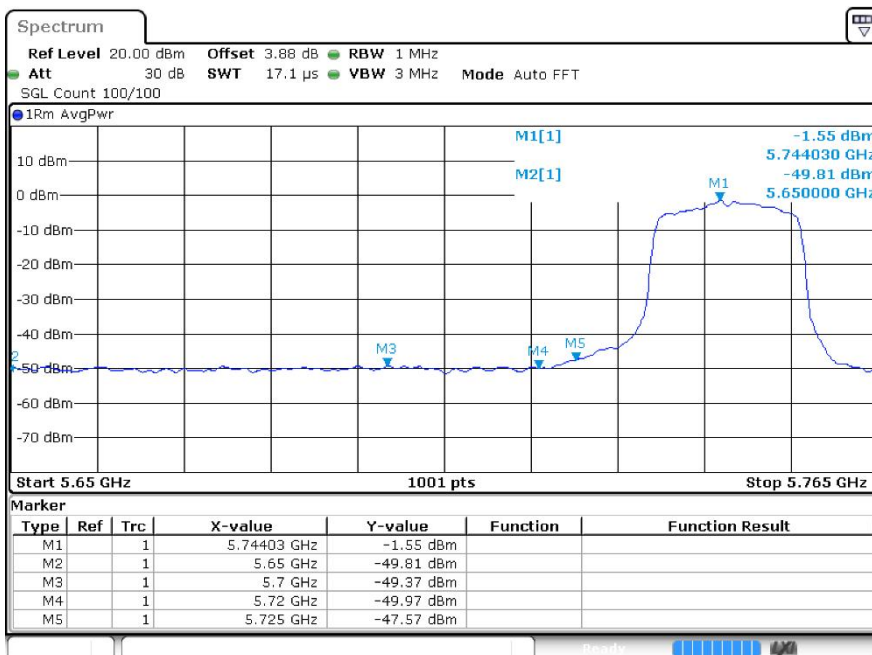
Restrict Band ac20 5825MHz Ant1 Average



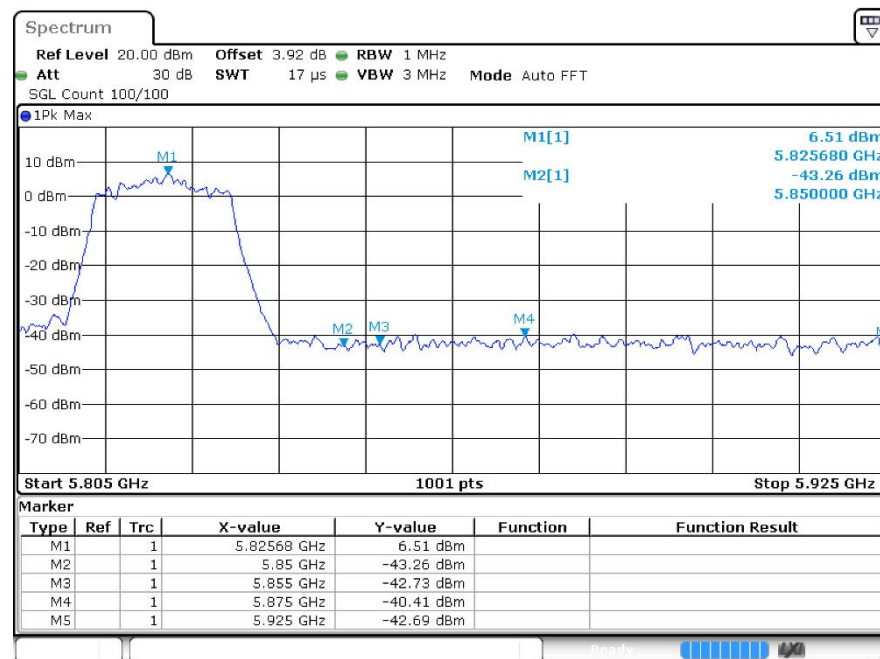
Restrict Band ax20 5745MHz Ant1 Peak



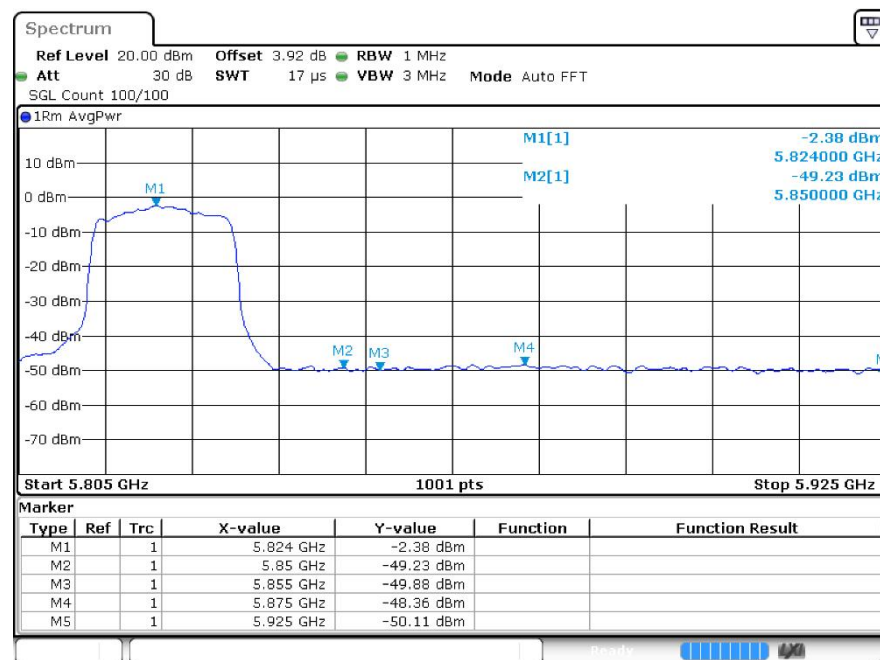
Restrict Band ax20 5745MHz Ant1 Average



Restrict Band ax20 5825MHz Ant1 Peak



Restrict Band ax20 5825MHz Ant1 Average



---The End---