



Appendix E

RF Test Data for 5.8GWIFI(Conducted Measurement)

Product Name: UV Photocuring 3D Printer

Trade Mark: Mars 4 Ultra

Test Model: ELEGOO

Environmental Conditions

Temperature:	25.9° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



Contents

	Page
COVER PAGE	
1 Duty Cycle	3
1.1 Test Result	3
1.2 Test Graphs	4
2 Maximum Conducted Output Power	11
2.1 Test Result	11
3 -6dB Bandwidth	12
3.1 Test Result	12
3.2 Test Graphs	13
4 Occupied Channel Bandwidth	20
4.1 Test Result	20
4.2 Test Graphs	21
5 Maximum Power Spectral Density Level	28
5.1 Test Result	28
5.2 Test Graphs	29
6 Frequency Stability	36
6.1 Test Result	36
7 Conducted RF Spurious Emission	40
7.1 Test Result	40
7.2 Test Graphs	41

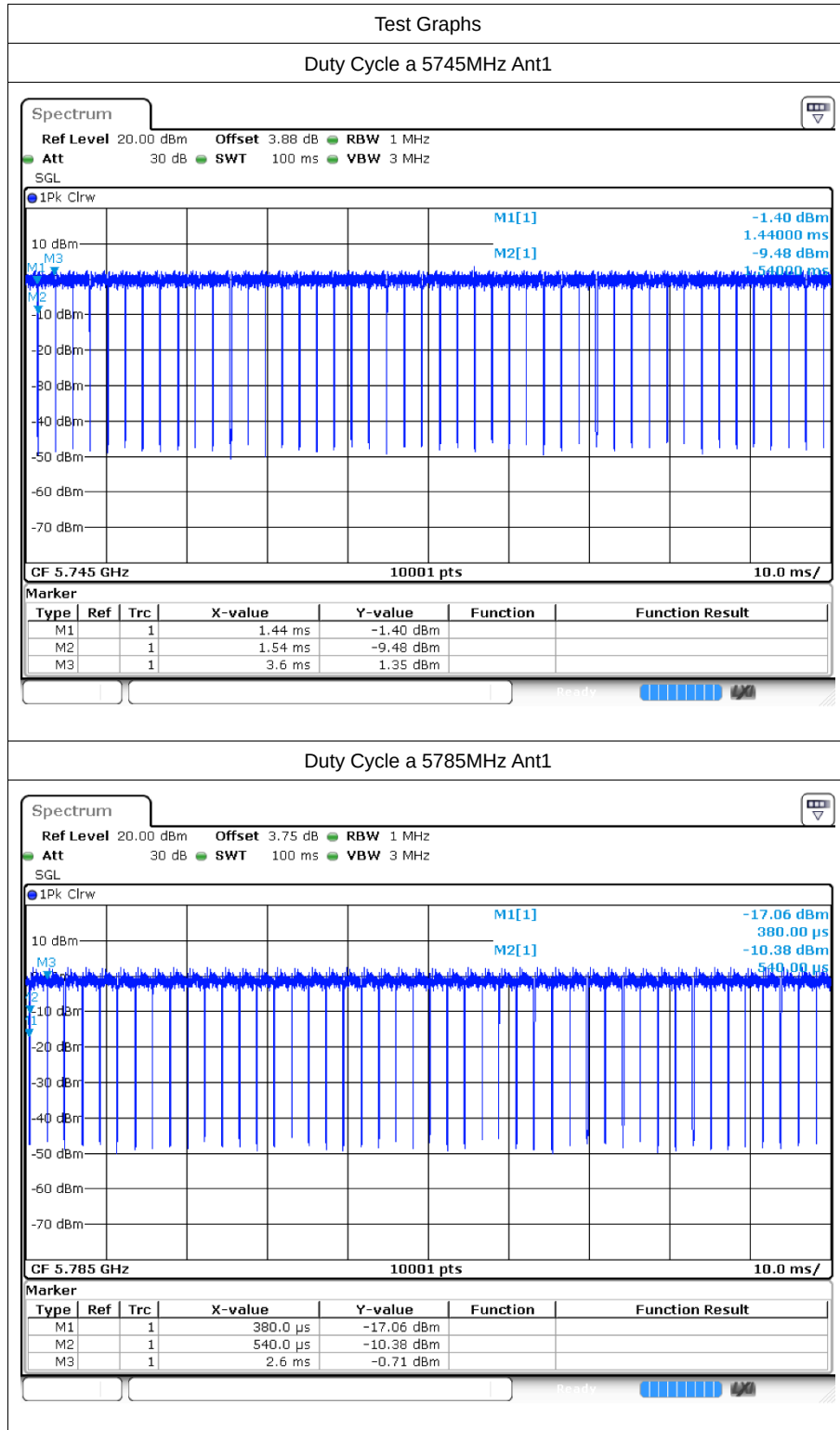
1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
a	5745	Ant1	95.76	0.19	0.49
a	5785	Ant1	95.53	0.2	0.49
a	5825	Ant1	95.73	0.19	0.49
n20	5745	Ant1	95.24	0.21	0.52
n20	5785	Ant1	95.47	0.2	0.52
n20	5825	Ant1	95.44	0.2	0.52
n40	5755	Ant1	91.68	0.38	1.05
n40	5795	Ant1	91.45	0.39	1.06
ac20	5745	Ant1	95.89	0.18	0.52
ac20	5785	Ant1	95.84	0.18	0.52
ac20	5825	Ant1	95.44	0.2	0.52
ac40	5755	Ant1	90.86	0.42	1.05
ac40	5795	Ant1	91.07	0.41	1.04
ac80	5775	Ant1	84.12	0.75	2.17

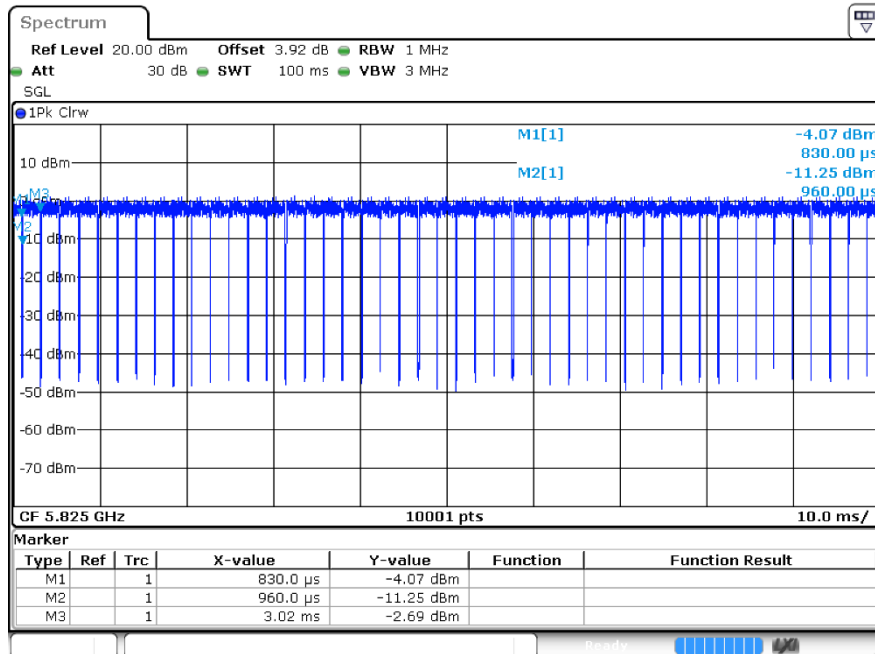


1.2 Test Graphs

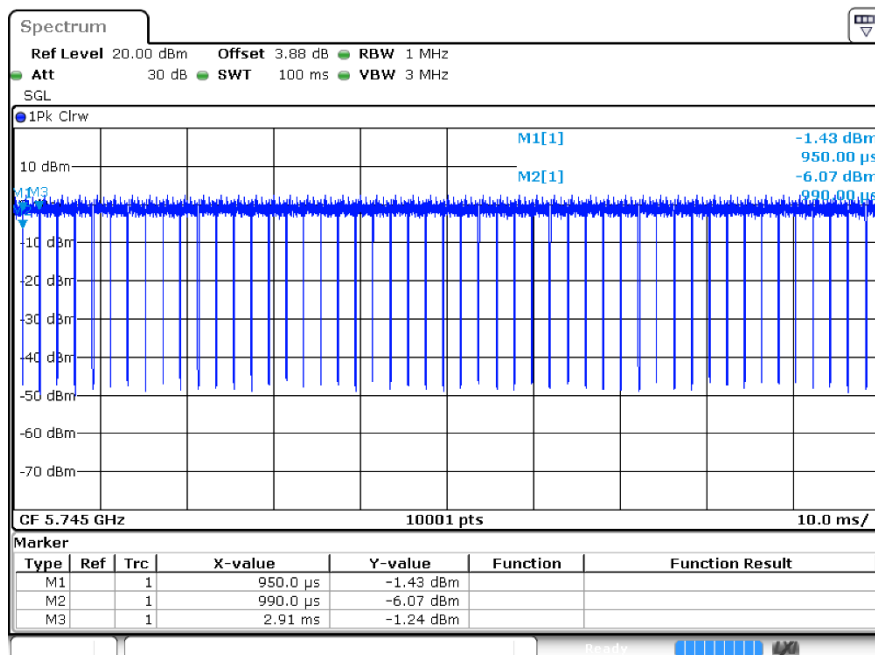




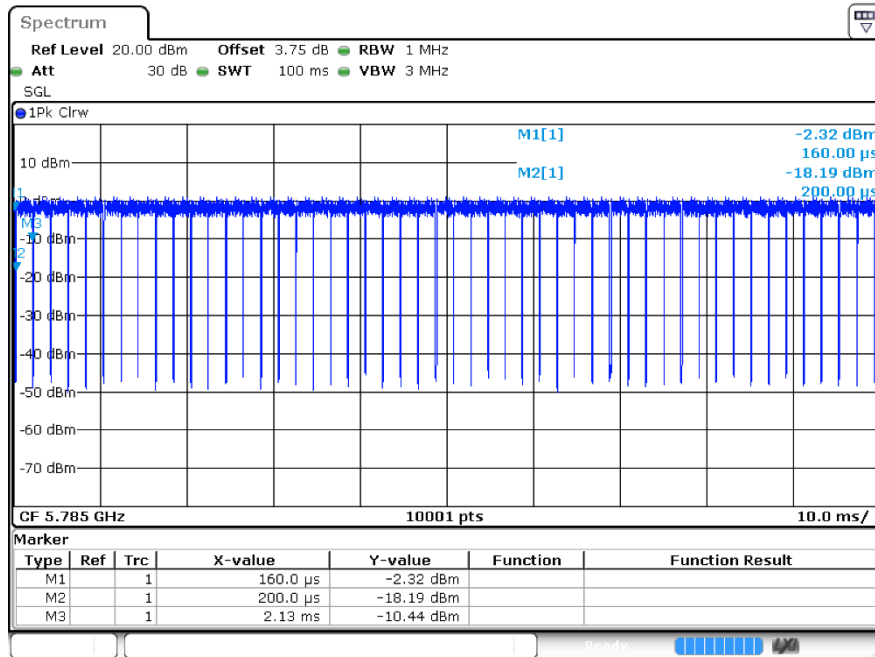
Duty Cycle a 5825MHz Ant1



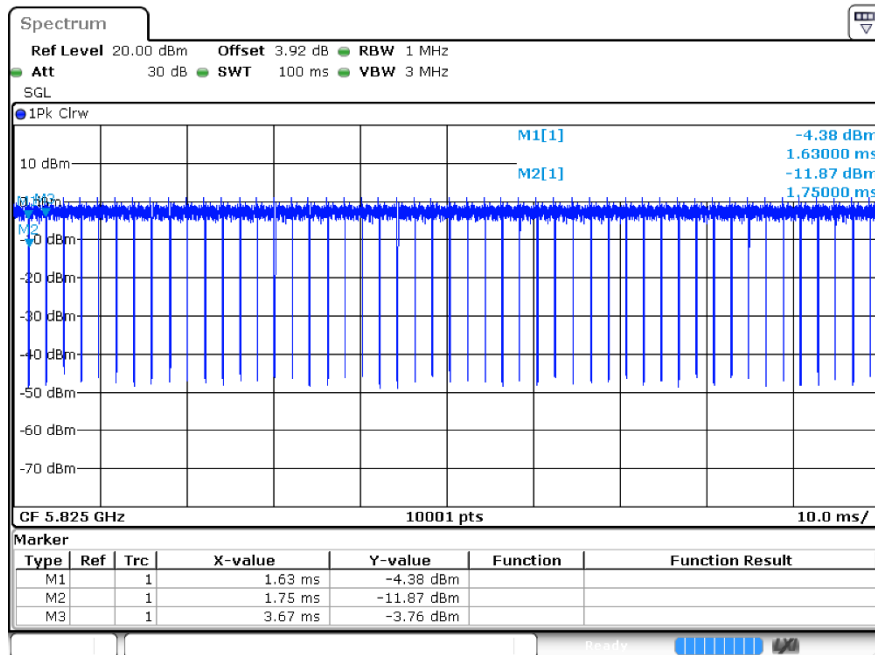
Duty Cycle n20 5745MHz Ant1



Duty Cycle n20 5785MHz Ant1

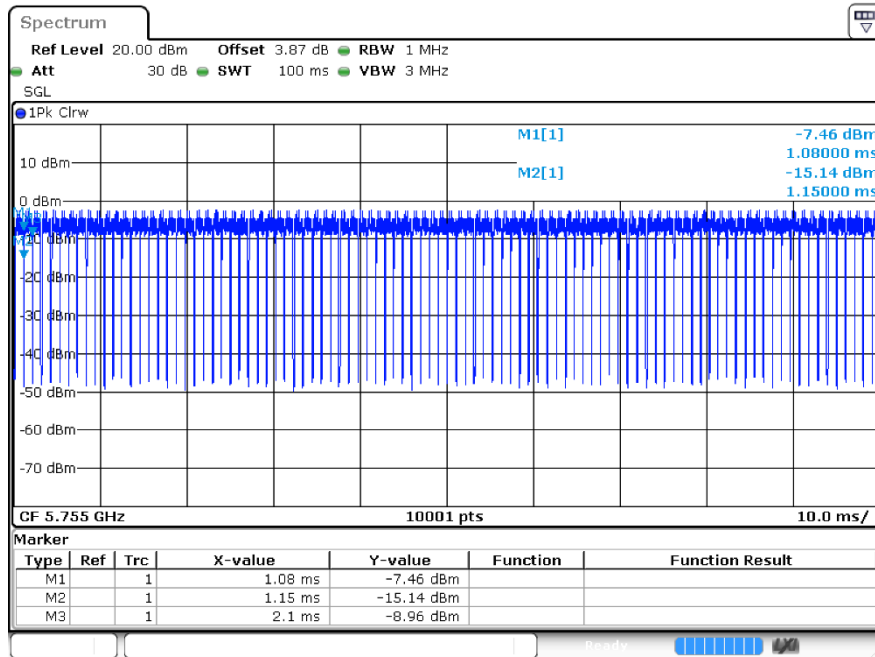


Duty Cycle n20 5825MHz Ant1

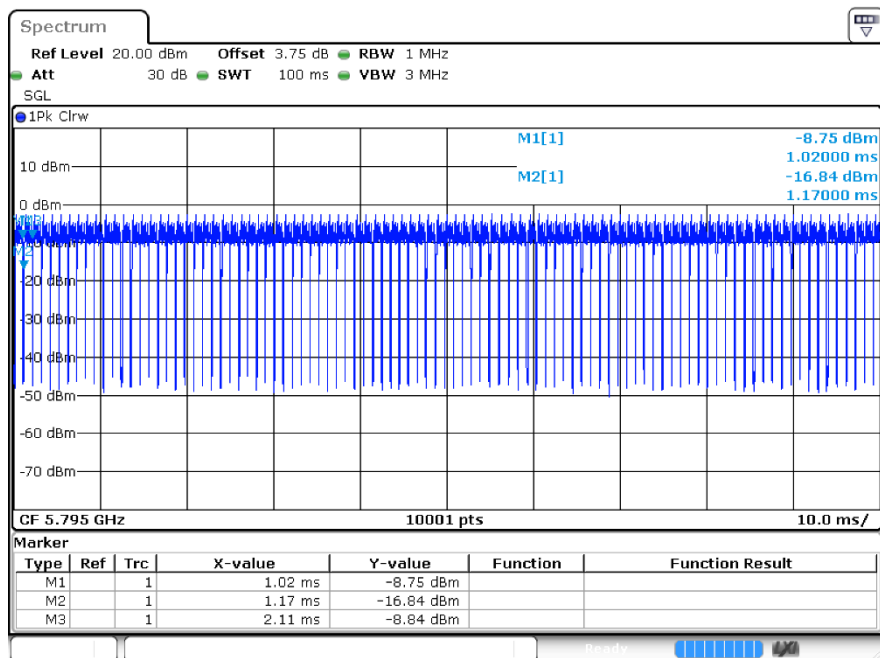




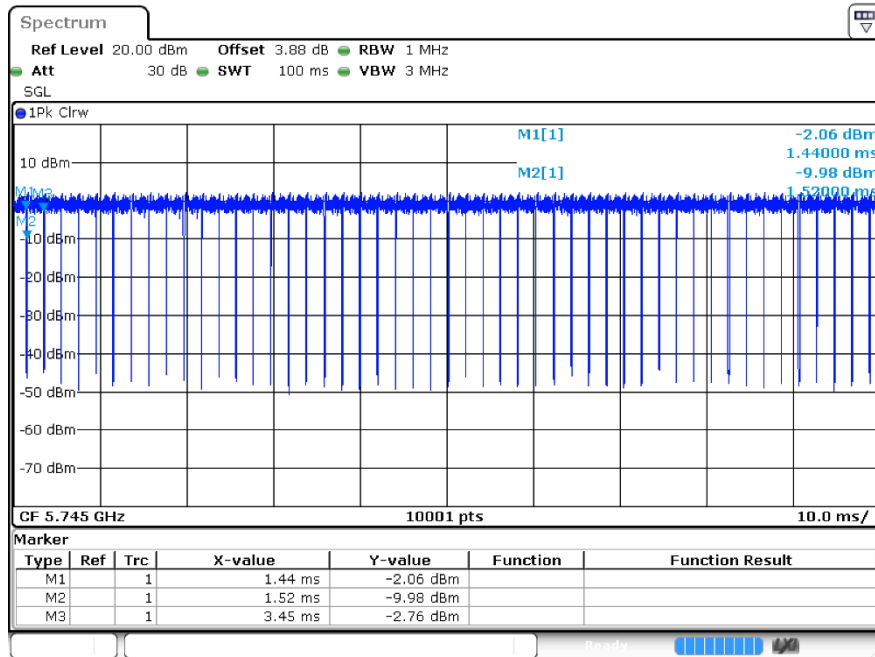
Duty Cycle n40 5755MHz Ant1



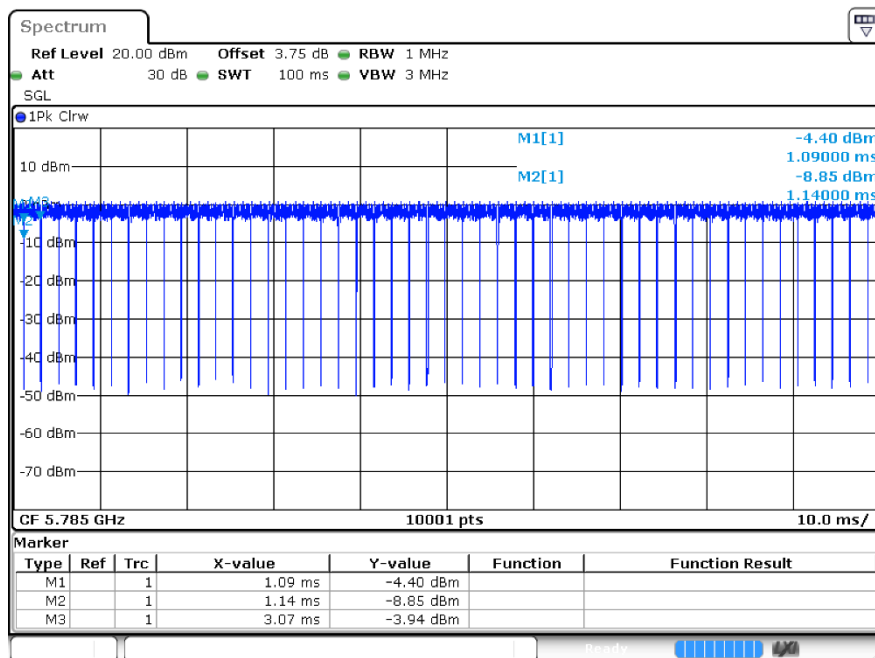
Duty Cycle n40 5795MHz Ant1



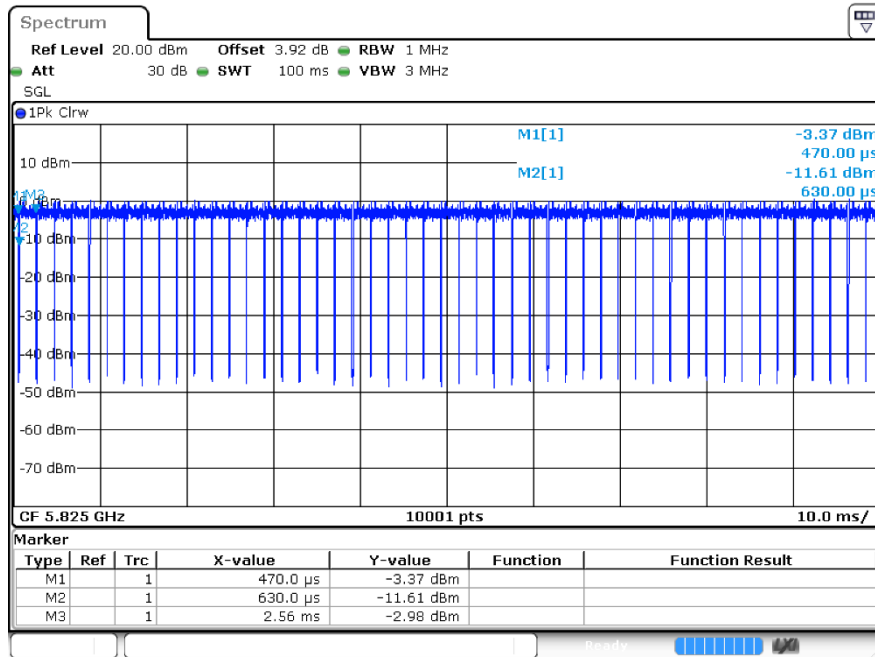
Duty Cycle ac20 5745MHz Ant1



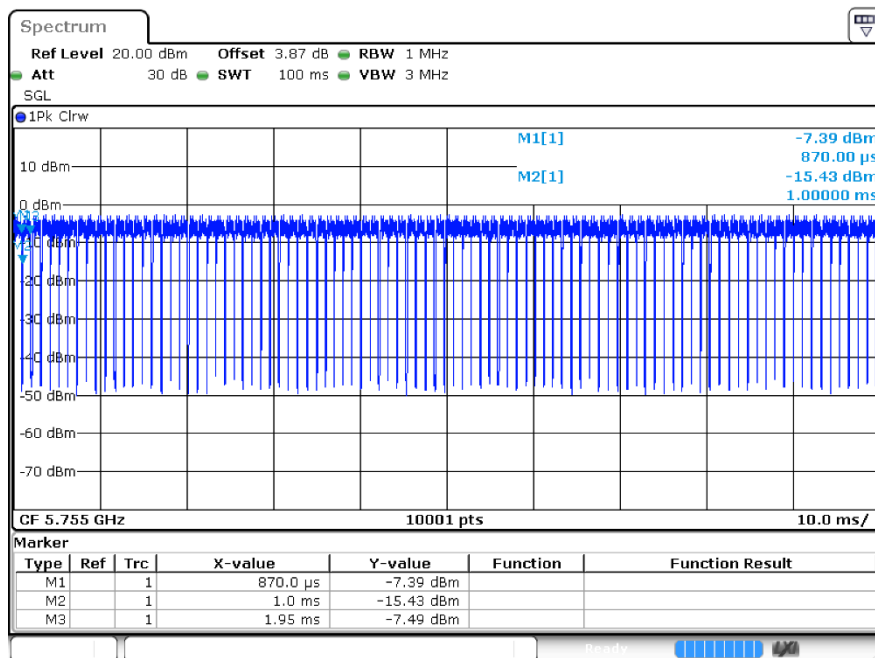
Duty Cycle ac20 5785MHz Ant1



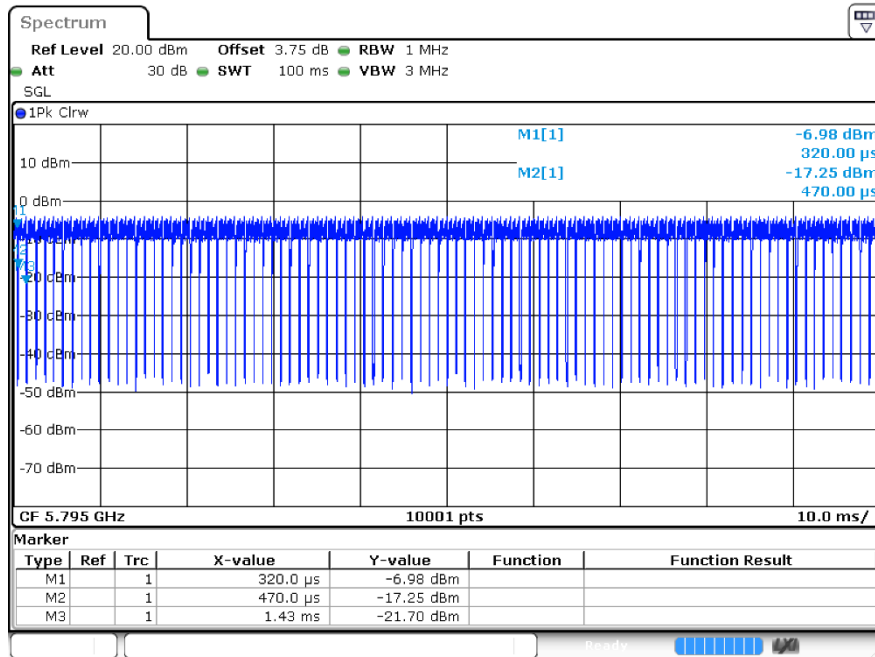
Duty Cycle ac20 5825MHz Ant1



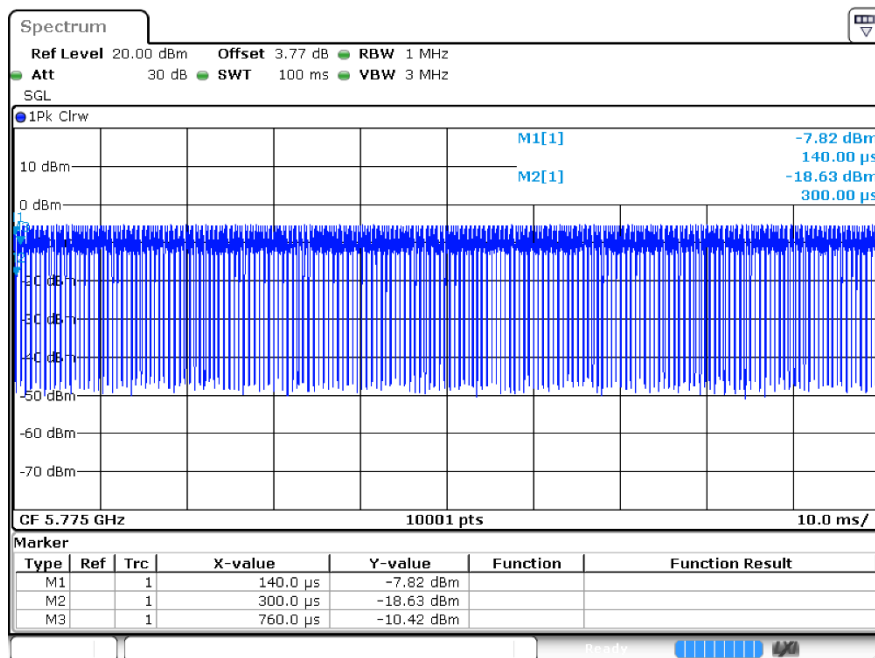
Duty Cycle ac40 5755MHz Ant1



Duty Cycle ac40 5795MHz Ant1



Duty Cycle ac80 5775MHz Ant1





2 Maximum Conducted Output Power

2.1 Test Result

For Average Power Test:

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Correction Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
a	5745	Ant1	11.46	0.19	11.65	30	Pass
a	5785	Ant1	10.44	0.2	10.64	30	Pass
a	5825	Ant1	10.23	0.19	10.42	30	Pass
n20	5745	Ant1	11.07	0.21	11.28	30	Pass
n20	5785	Ant1	10.05	0.2	10.25	30	Pass
n20	5825	Ant1	10.11	0.2	10.31	30	Pass
n40	5755	Ant1	10.69	0.38	11.07	30	Pass
n40	5795	Ant1	10.16	0.39	10.55	30	Pass
ac20	5745	Ant1	11.17	0.18	11.35	30	Pass
ac20	5785	Ant1	10.03	0.18	10.21	30	Pass
ac20	5825	Ant1	10.17	0.2	10.37	30	Pass
ac40	5755	Ant1	10.58	0.42	11	30	Pass
ac40	5795	Ant1	10.12	0.41	10.53	30	Pass
ac80	5775	Ant1	10.01	0.75	10.76	30	Pass

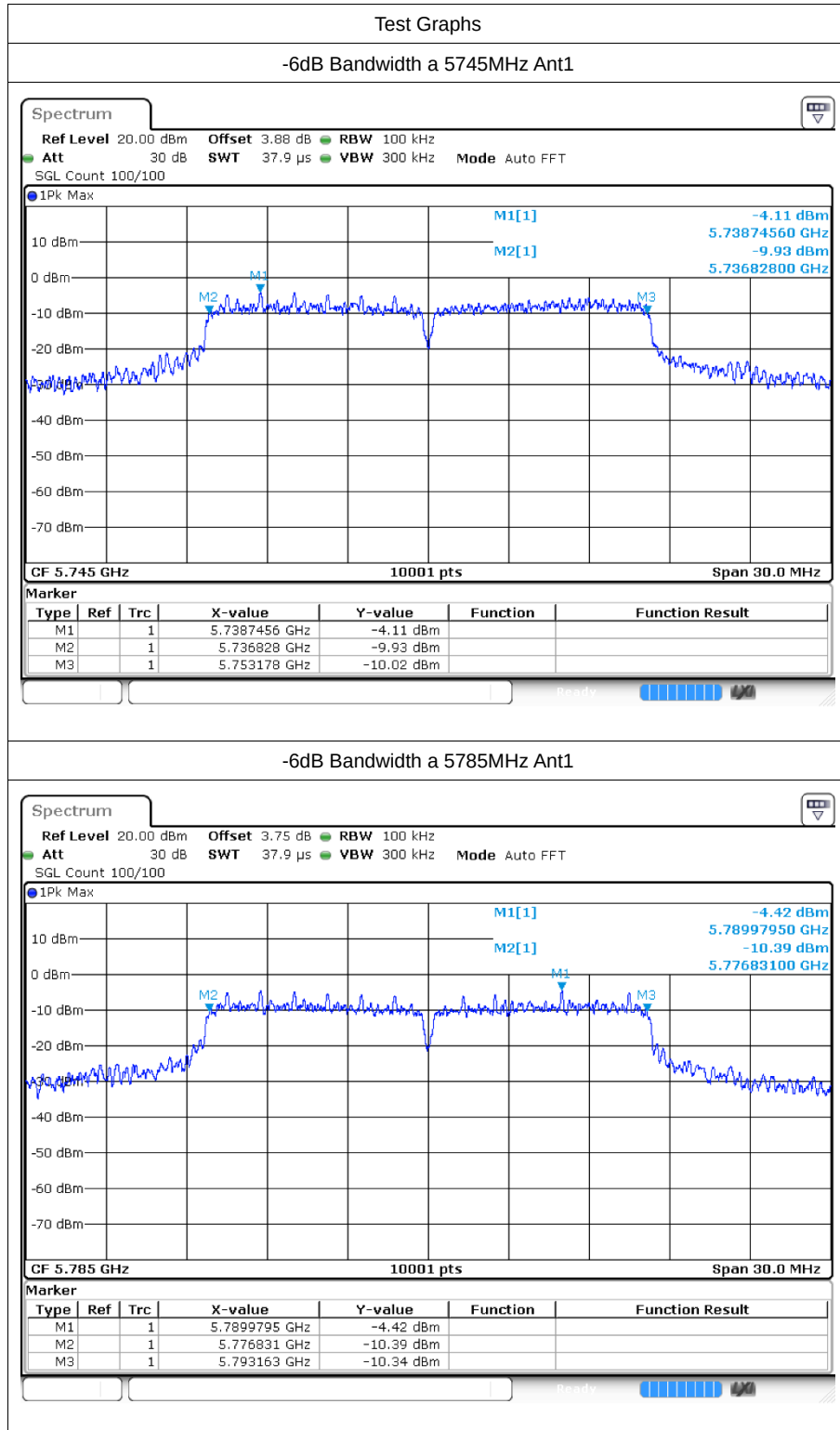


3 -6dB Bandwidth

3.1 Test Result

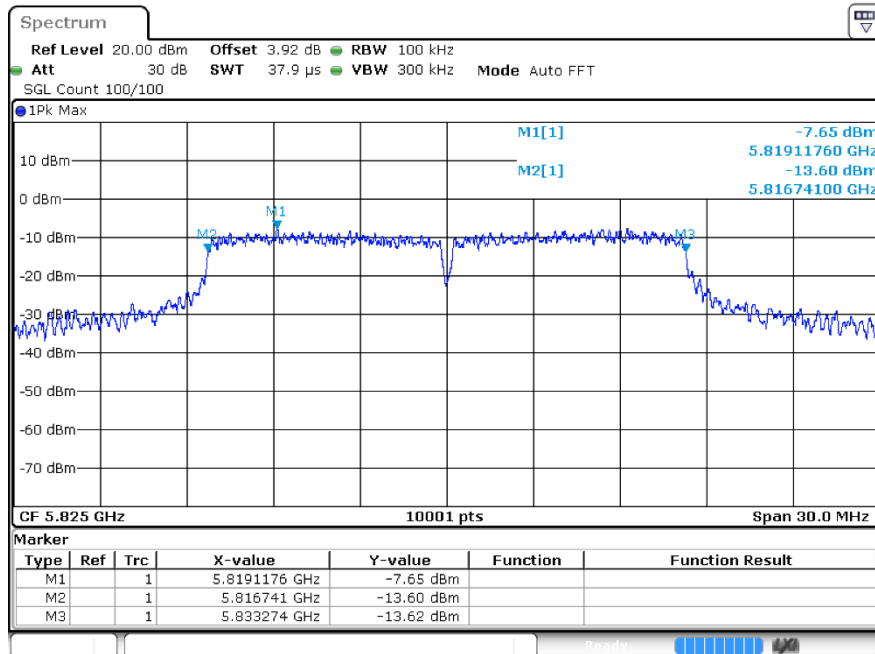
Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
a	5745	Ant1	16.35	0.5	Pass
a	5785	Ant1	16.332	0.5	Pass
a	5825	Ant1	16.533	0.5	Pass
n20	5745	Ant1	16.605	0.5	Pass
n20	5785	Ant1	16.548	0.5	Pass
n20	5825	Ant1	17.574	0.5	Pass
n40	5755	Ant1	35.532	0.5	Pass
n40	5795	Ant1	35.784	0.5	Pass
ac20	5745	Ant1	17.718	0.5	Pass
ac20	5785	Ant1	17.307	0.5	Pass
ac20	5825	Ant1	17.628	0.5	Pass
ac40	5755	Ant1	35.448	0.5	Pass
ac40	5795	Ant1	35.718	0.5	Pass
ac80	5775	Ant1	75.072	0.5	Pass

3.2 Test Graphs

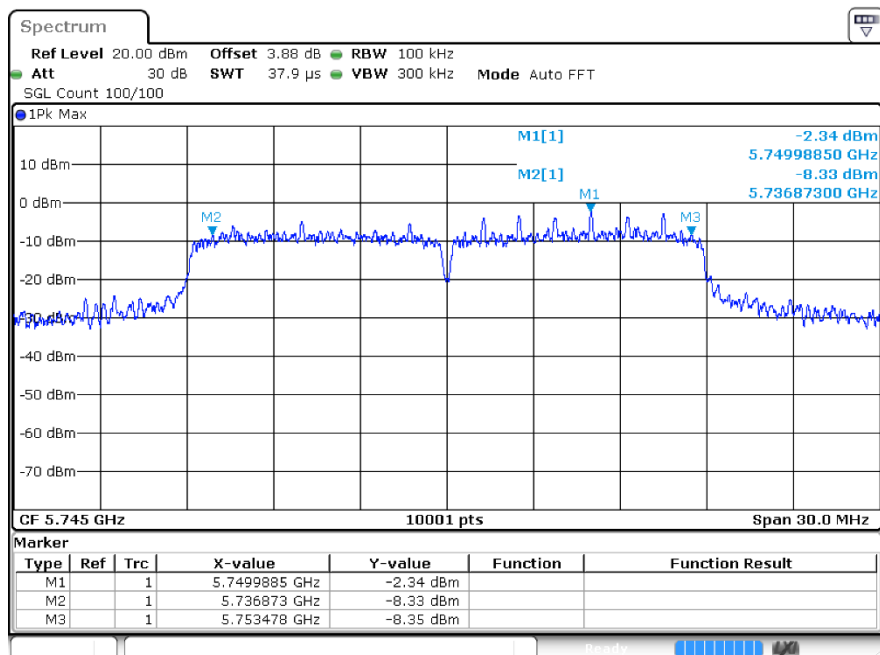




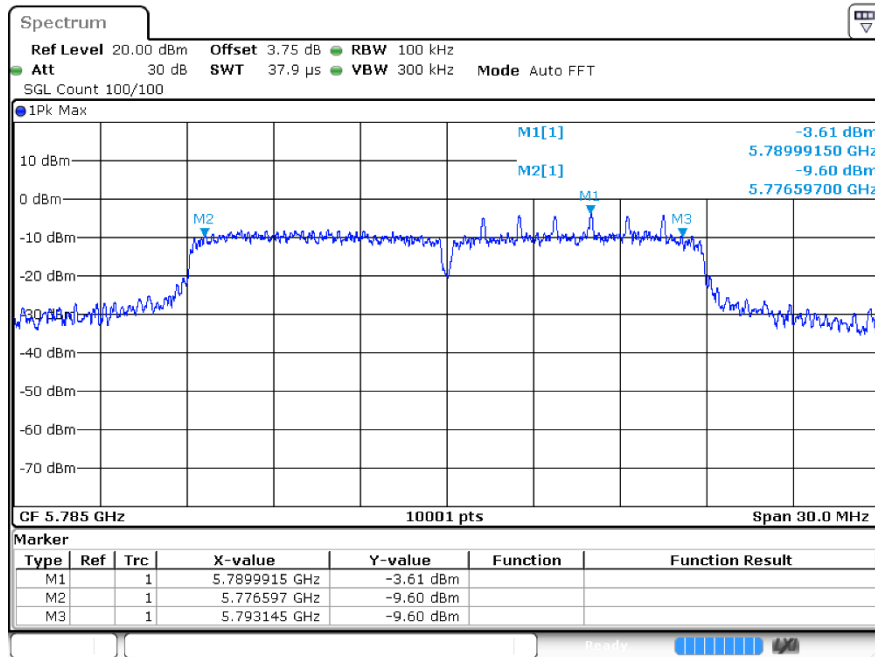
-6dB Bandwidth a 5825MHz Ant1



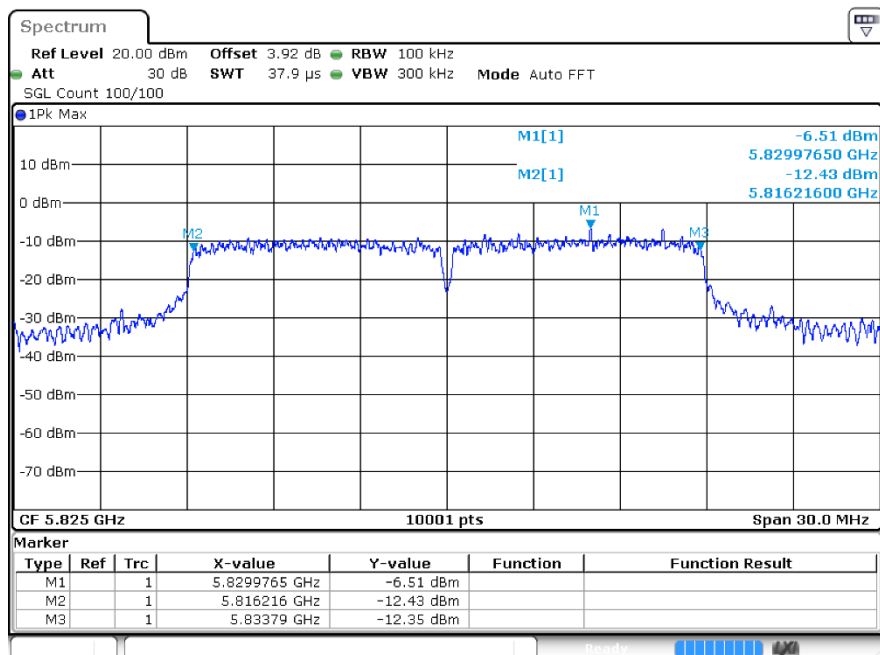
-6dB Bandwidth n20 5745MHz Ant1



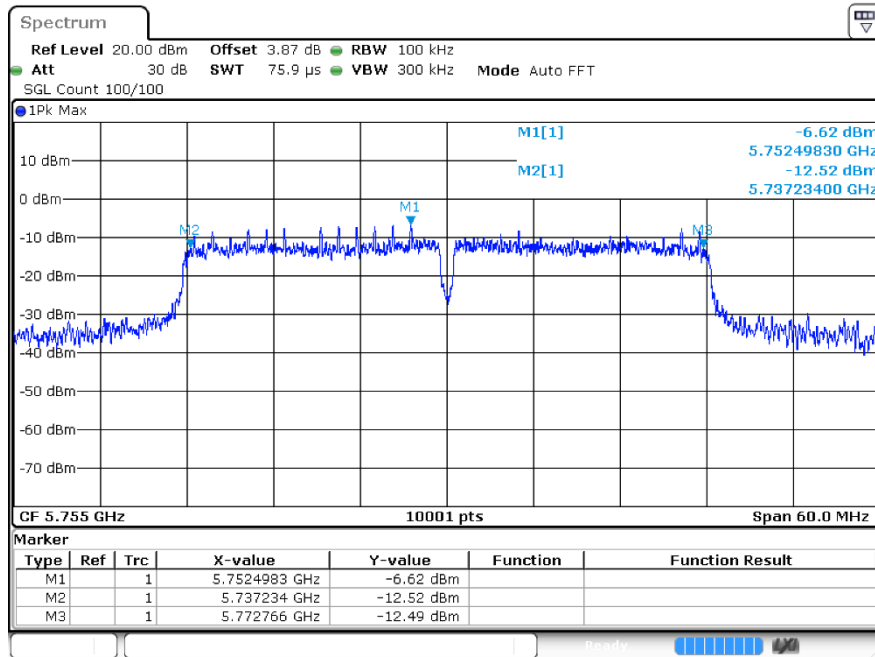
-6dB Bandwidth n20 5785MHz Ant1



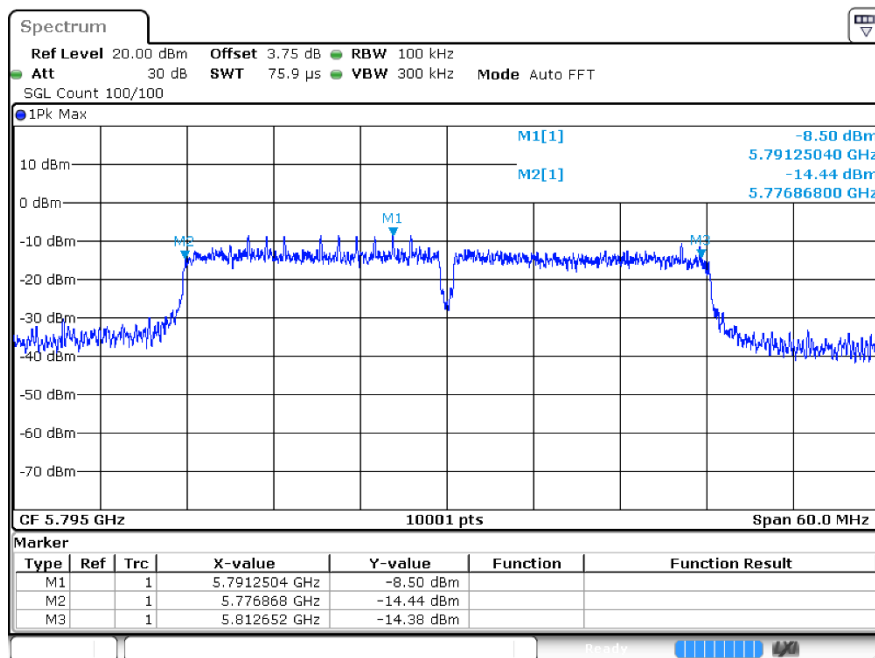
-6dB Bandwidth n20 5825MHz Ant1



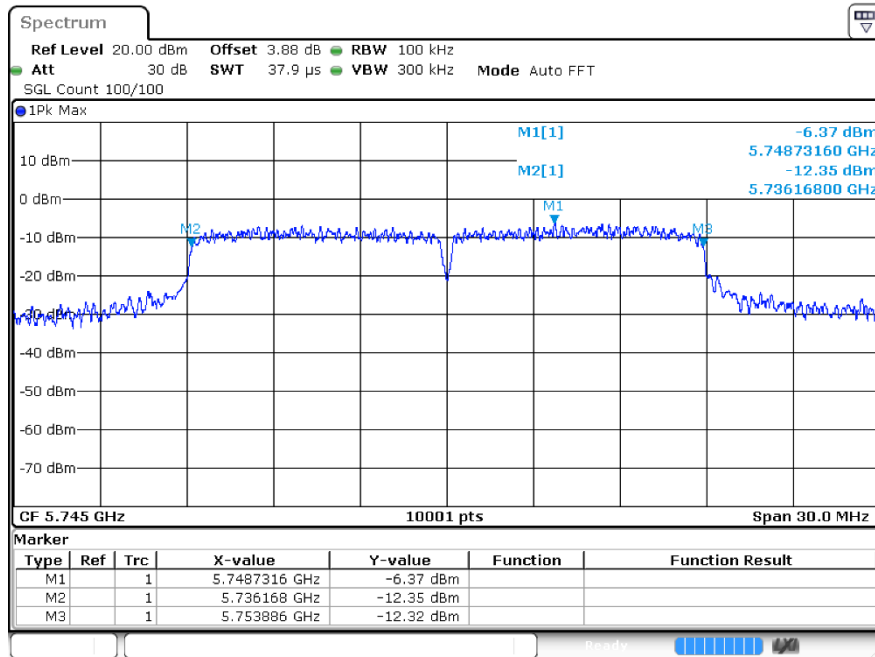
-6dB Bandwidth n40 5755MHz Ant1



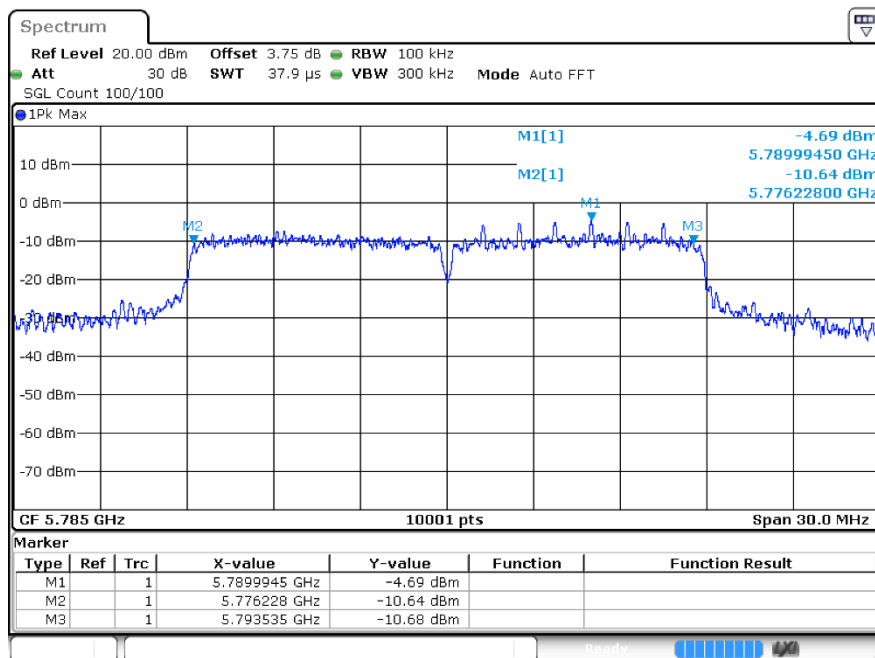
-6dB Bandwidth n40 5795MHz Ant1



-6dB Bandwidth ac20 5745MHz Ant1

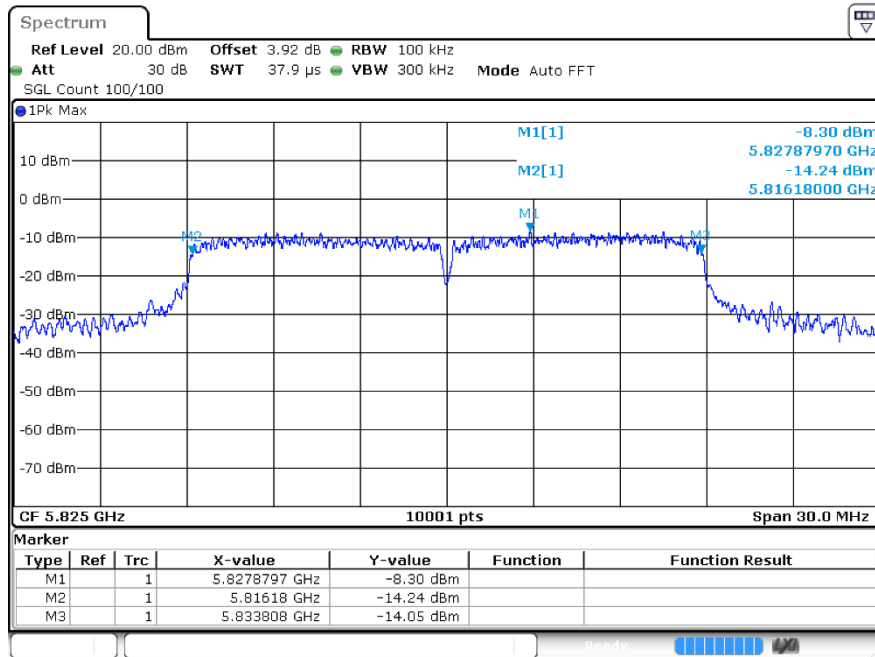


-6dB Bandwidth ac20 5785MHz Ant1

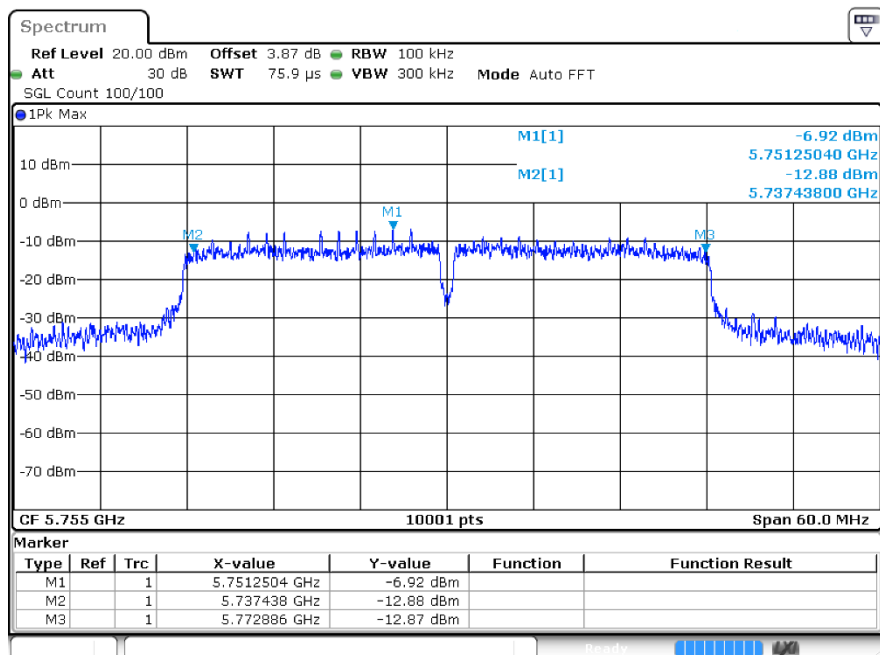




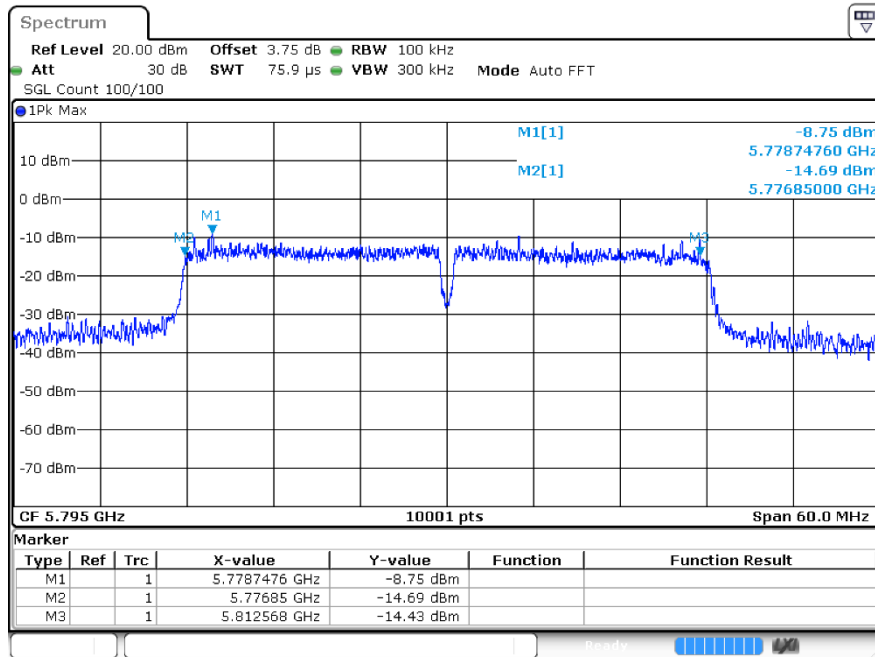
-6dB Bandwidth ac20 5825MHz Ant1



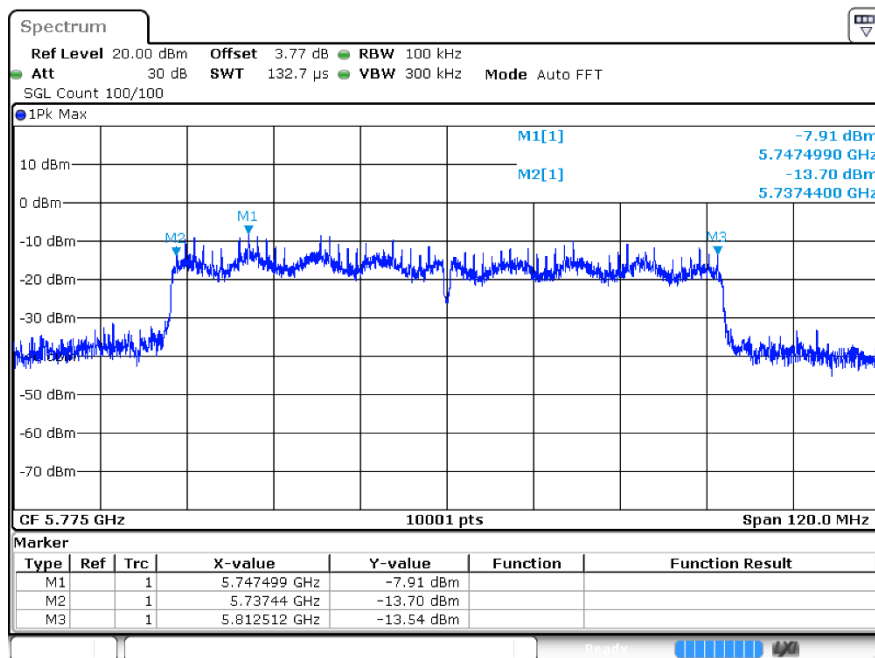
-6dB Bandwidth ac40 5755MHz Ant1



-6dB Bandwidth ac40 5795MHz Ant1



-6dB Bandwidth ac80 5775MHz Ant1



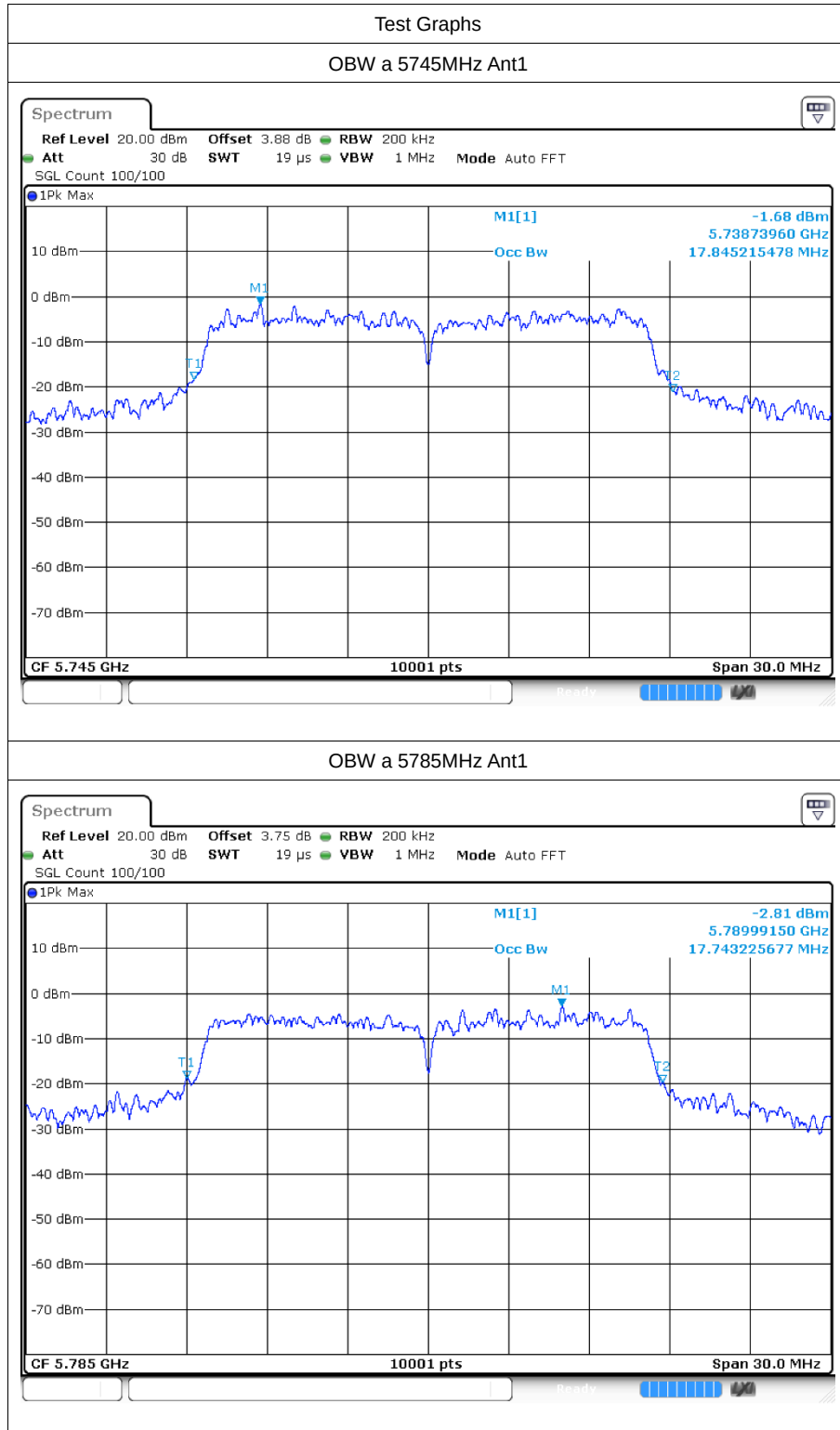


4 Occupied Channel Bandwidth

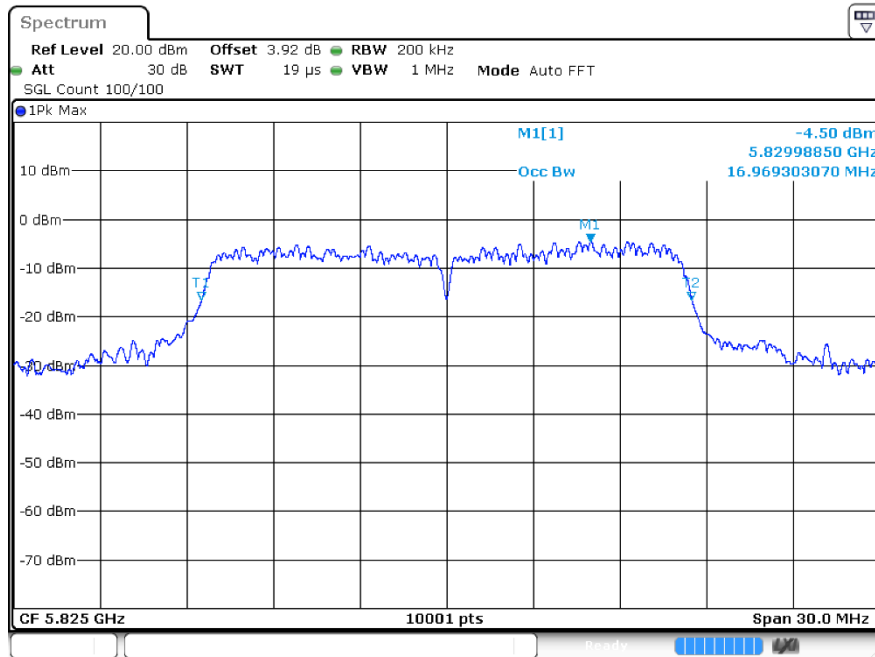
4.1 Test Result

Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
a	5745	Ant1	17.845
a	5785	Ant1	17.743
a	5825	Ant1	16.969
n20	5745	Ant1	18.145
n20	5785	Ant1	18.247
n20	5825	Ant1	17.956
n40	5755	Ant1	36.644
n40	5795	Ant1	36.572
ac20	5745	Ant1	18.586
ac20	5785	Ant1	17.989
ac20	5825	Ant1	17.872
ac40	5755	Ant1	36.452
ac40	5795	Ant1	36.698
ac80	5775	Ant1	75.784

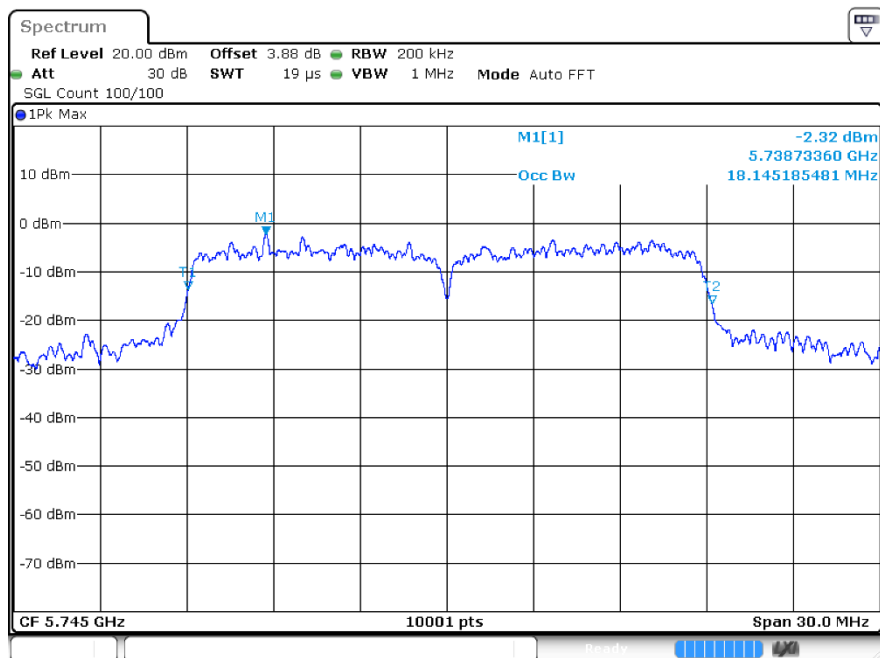
4.2 Test Graphs



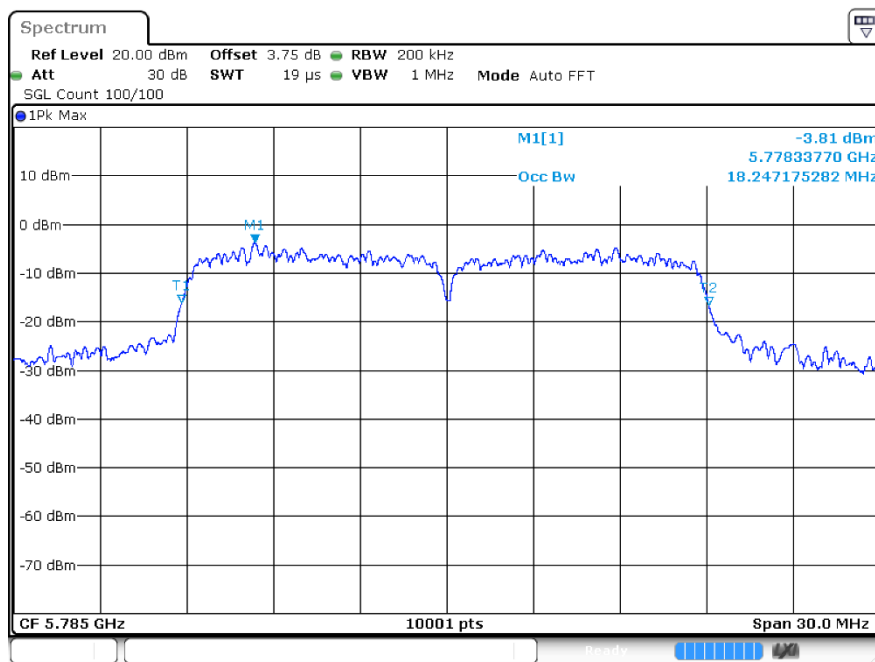
OBW a 5825MHz Ant1



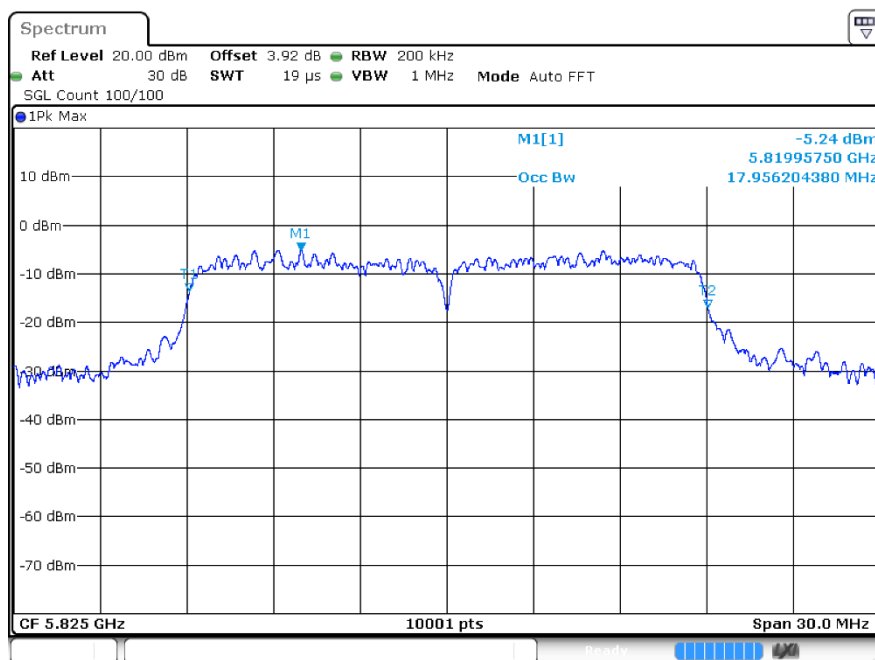
OBW n20 5745MHz Ant1



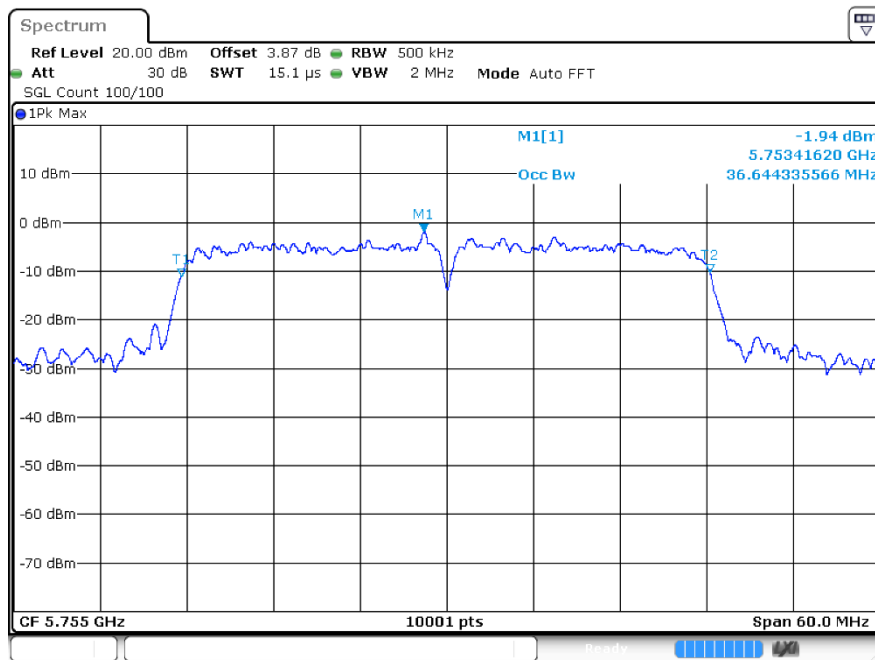
OBW n20 5785MHz Ant1



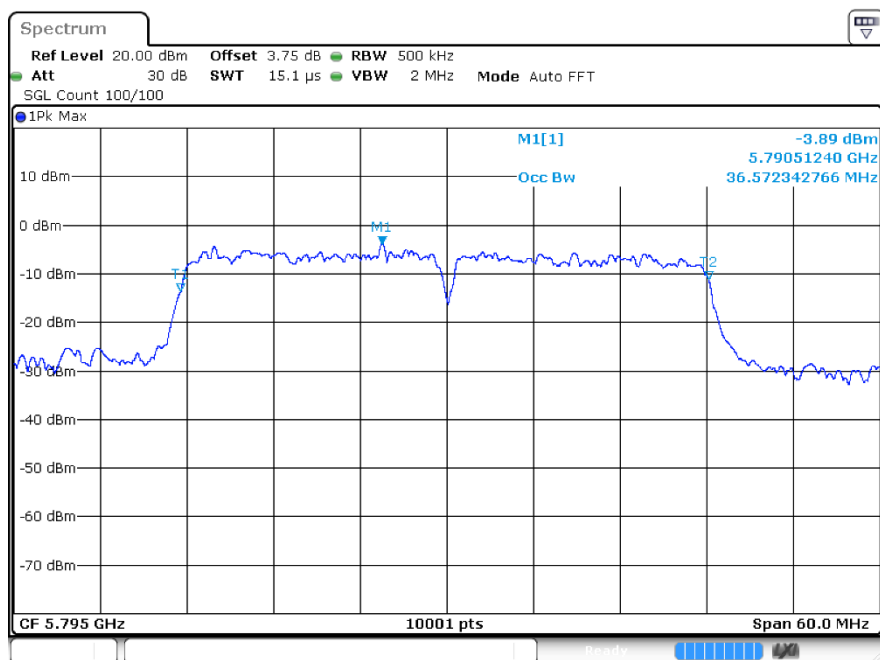
OBW n20 5825MHz Ant1



OBW n40 5755MHz Ant1

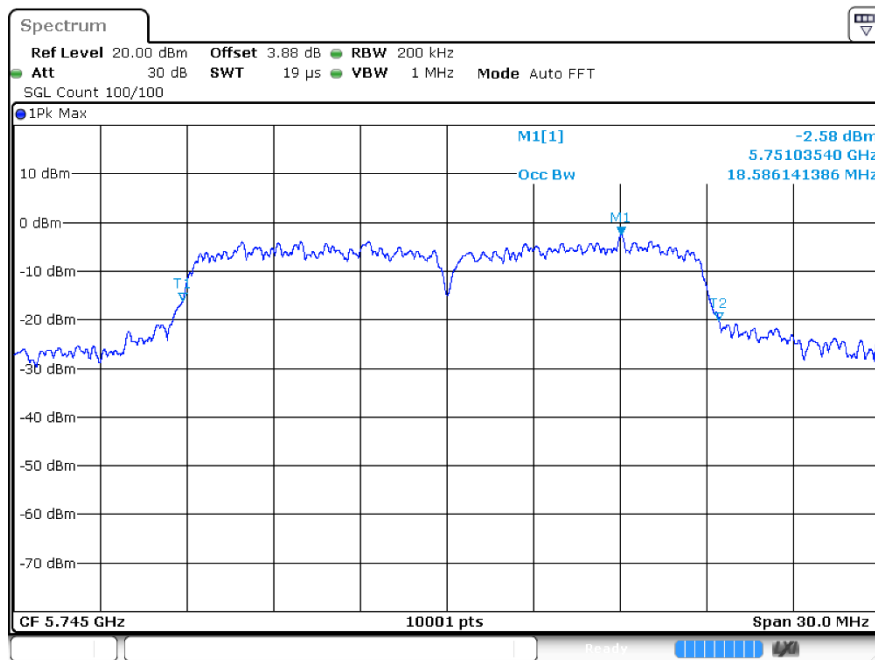


OBW n40 5795MHz Ant1

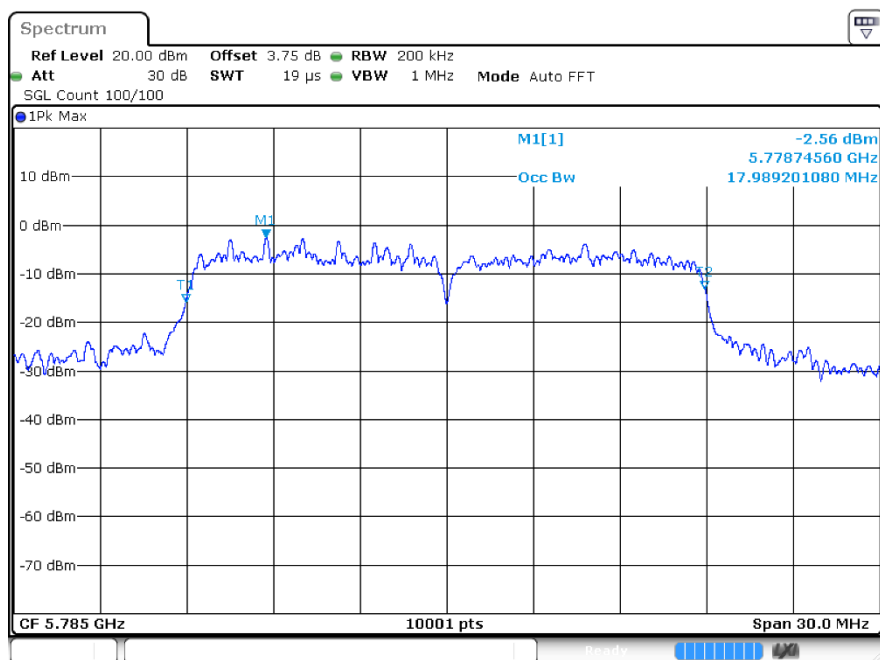




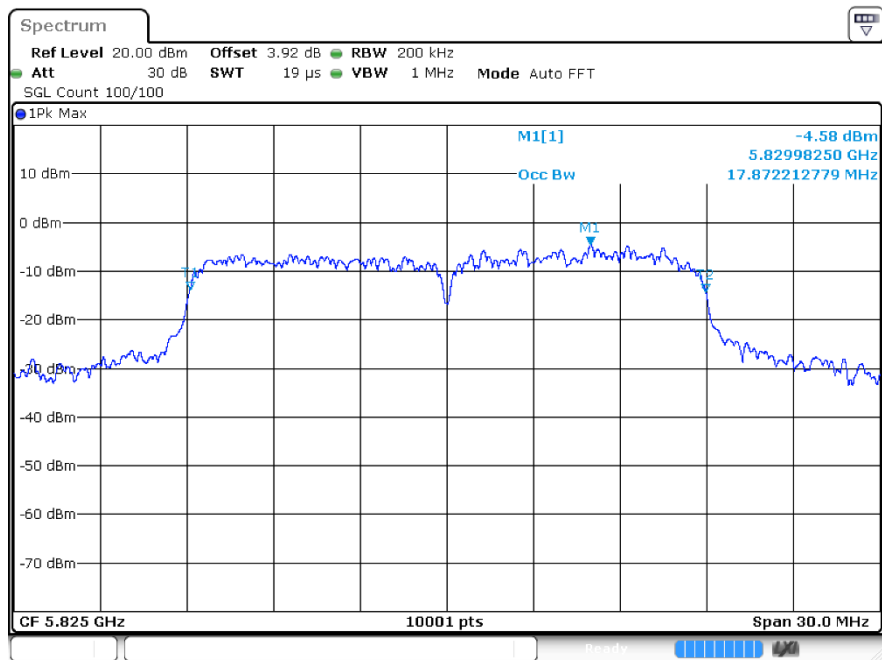
OBW ac20 5745MHz Ant1



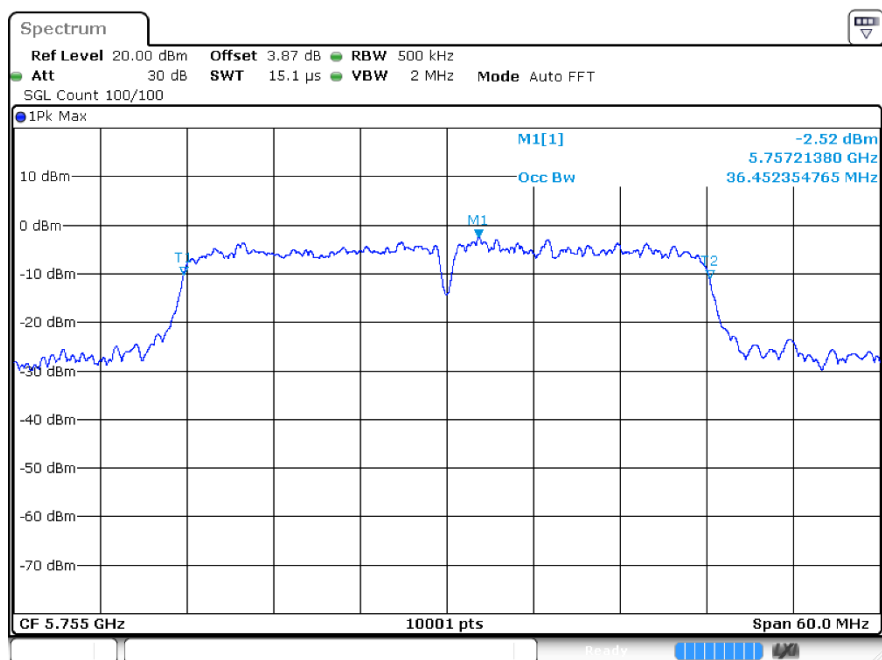
OBW ac20 5785MHz Ant1



OBW ac20 5825MHz Ant1

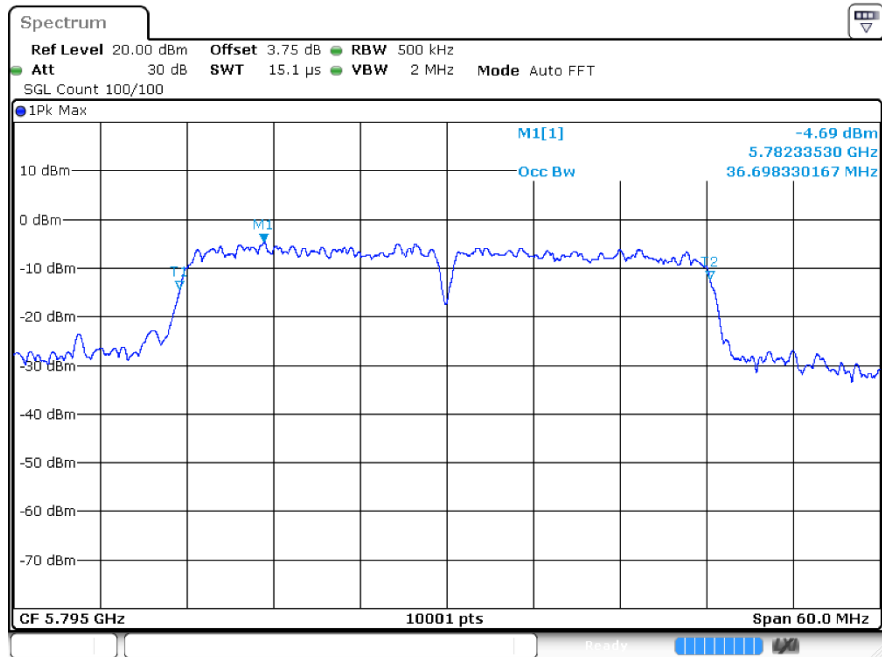


OBW ac40 5755MHz Ant1

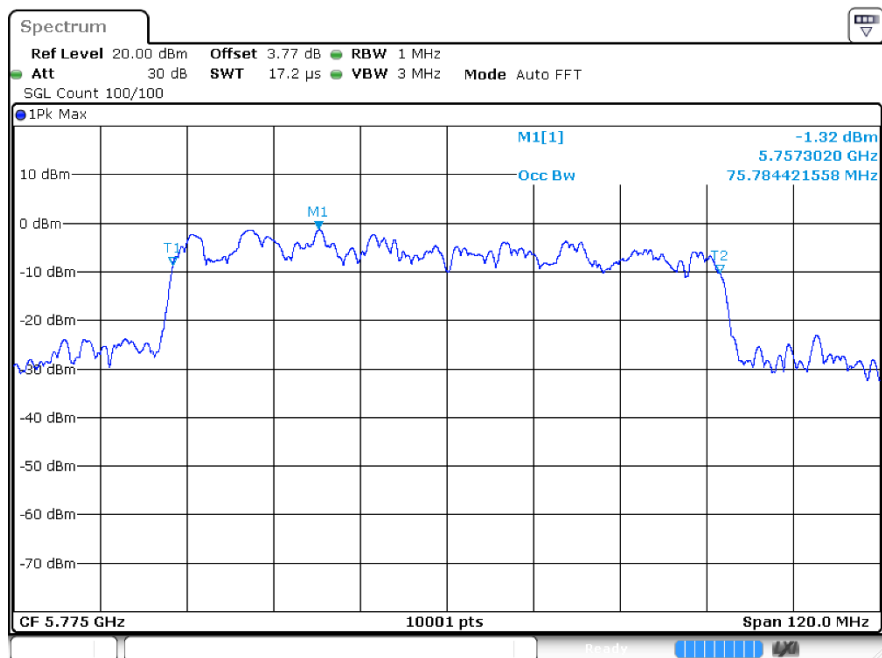




OBW ac40 5795MHz Ant1



OBW ac80 5775MHz Ant1



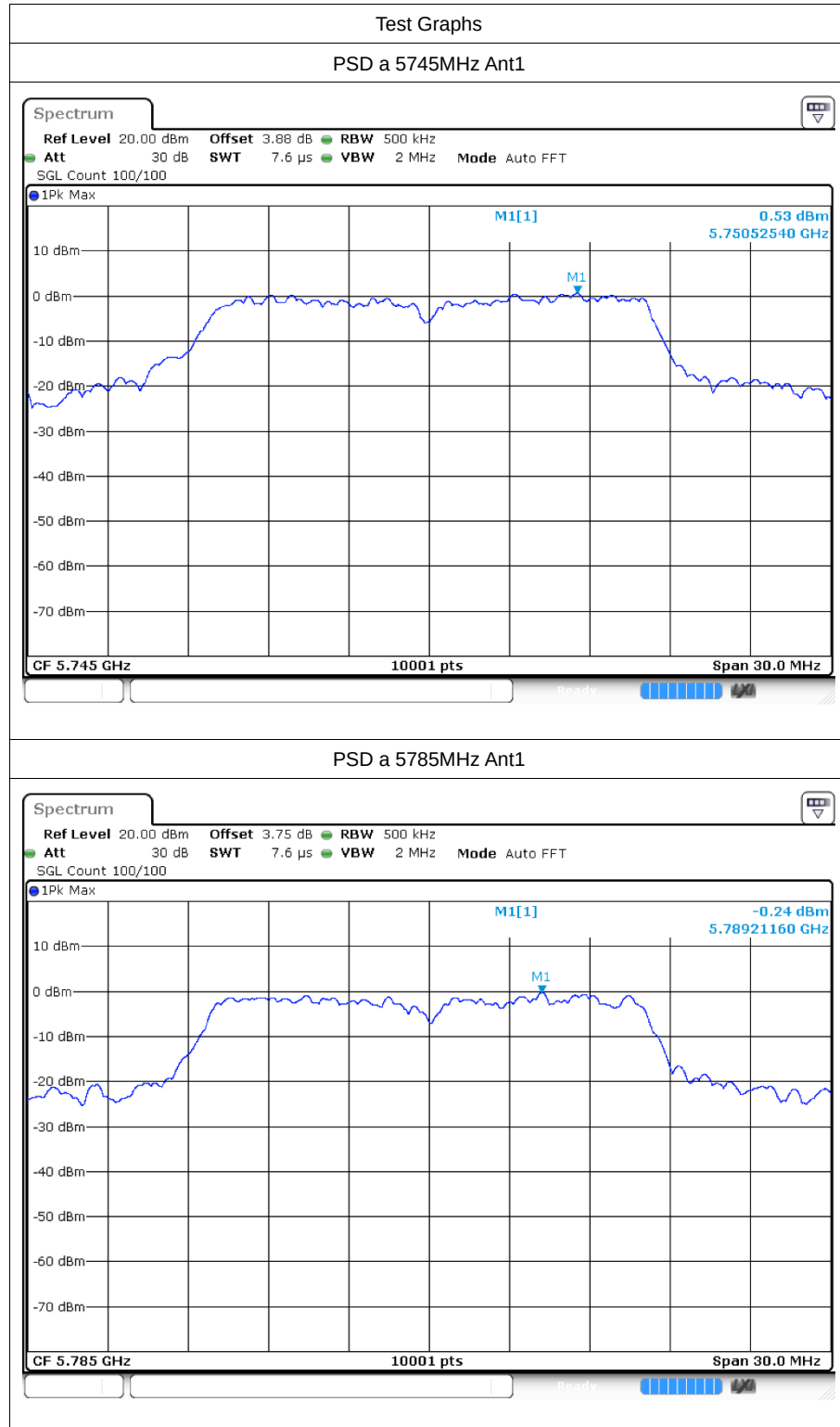


5 Maximum Power Spectral Density Level

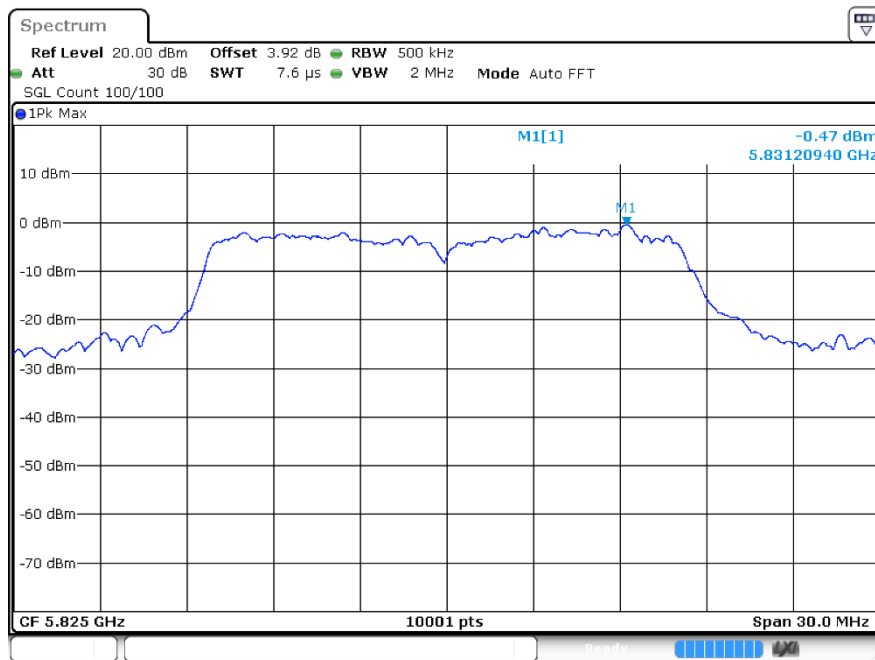
5.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Total PSD (dBm)	Limit (dBm)	Verdict
a	5745	Ant1	0.53	0.53	30	Pass
a	5785	Ant1	-0.24	-0.24	30	Pass
a	5825	Ant1	-0.47	-0.47	30	Pass
n20	5745	Ant1	0.23	0.23	30	Pass
n20	5785	Ant1	-0.58	-0.58	30	Pass
n20	5825	Ant1	-1.46	-1.46	30	Pass
n40	5755	Ant1	-2.78	-2.78	30	Pass
n40	5795	Ant1	-4.22	-4.22	30	Pass
ac20	5745	Ant1	0.52	0.52	30	Pass
ac20	5785	Ant1	-0.78	-0.78	30	Pass
ac20	5825	Ant1	-2.08	-2.08	30	Pass
ac40	5755	Ant1	-3.22	-3.22	30	Pass
ac40	5795	Ant1	-4.73	-4.73	30	Pass
ac80	5775	Ant1	-5.25	-5.25	30	Pass

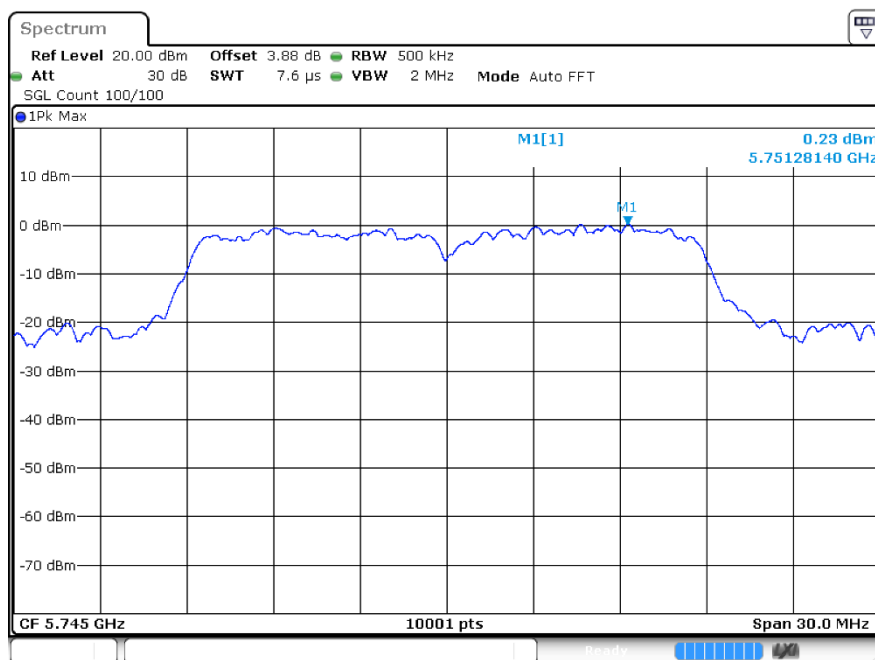
5.2 Test Graphs

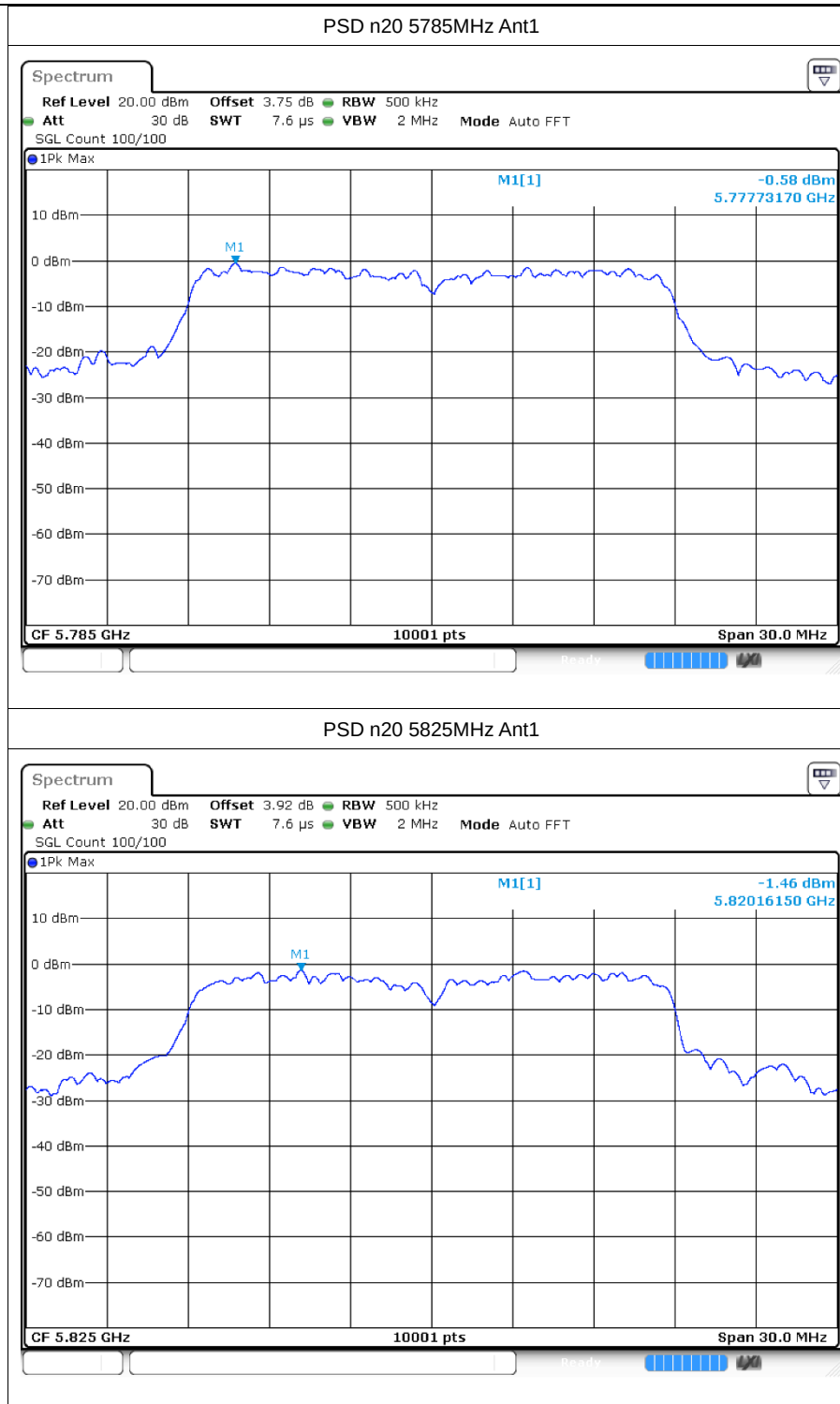


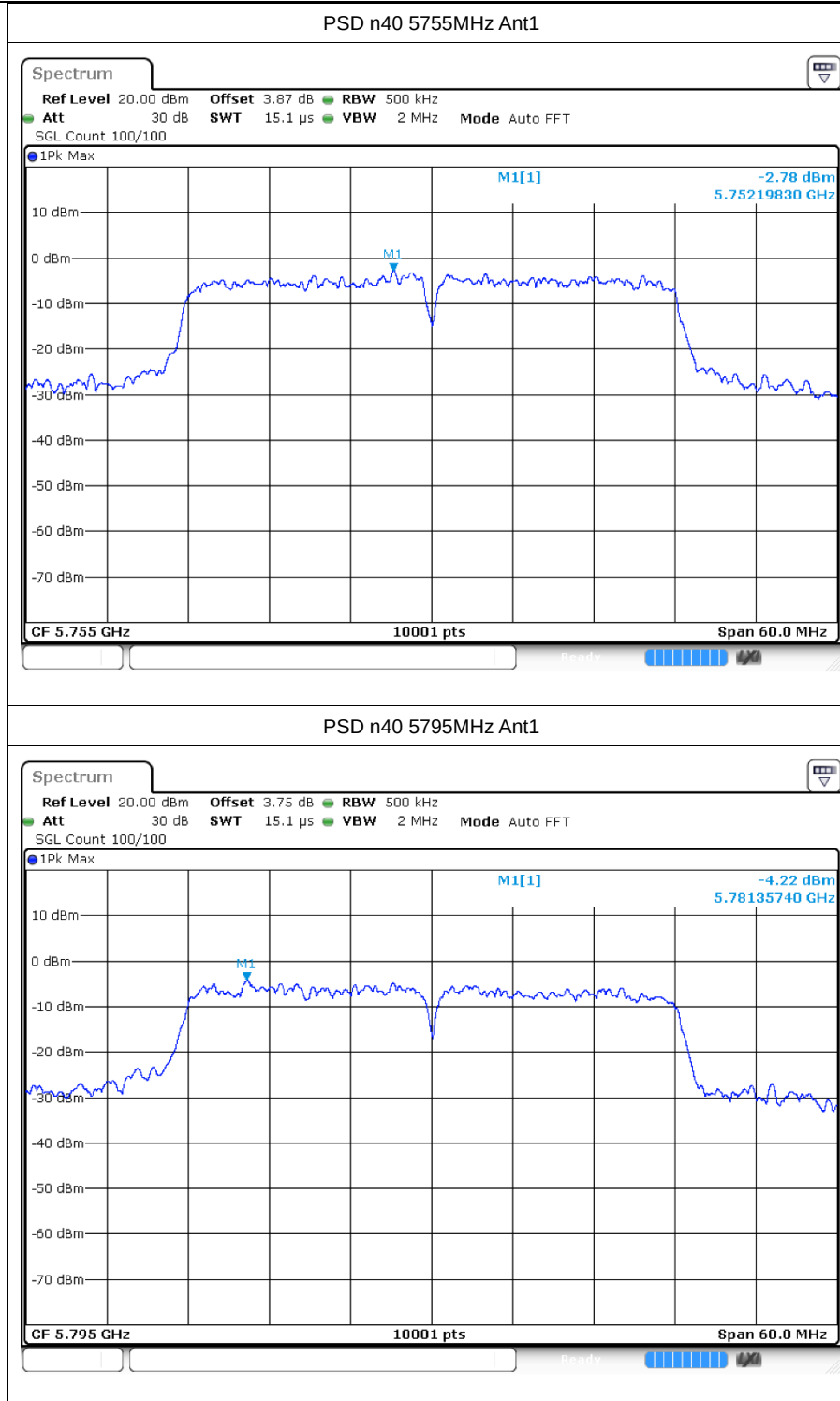
PSD a 5825MHz Ant1



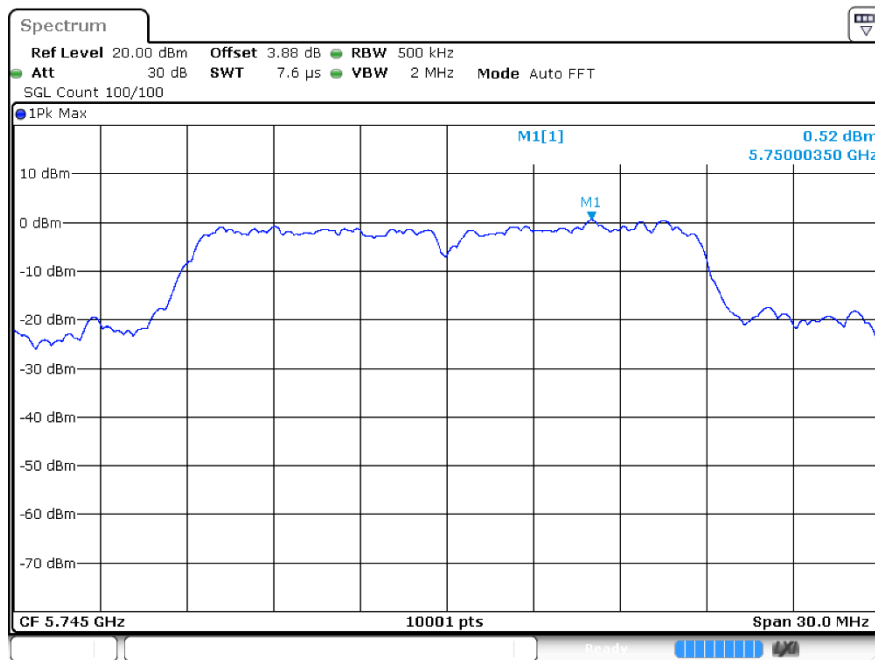
PSD n20 5745MHz Ant1



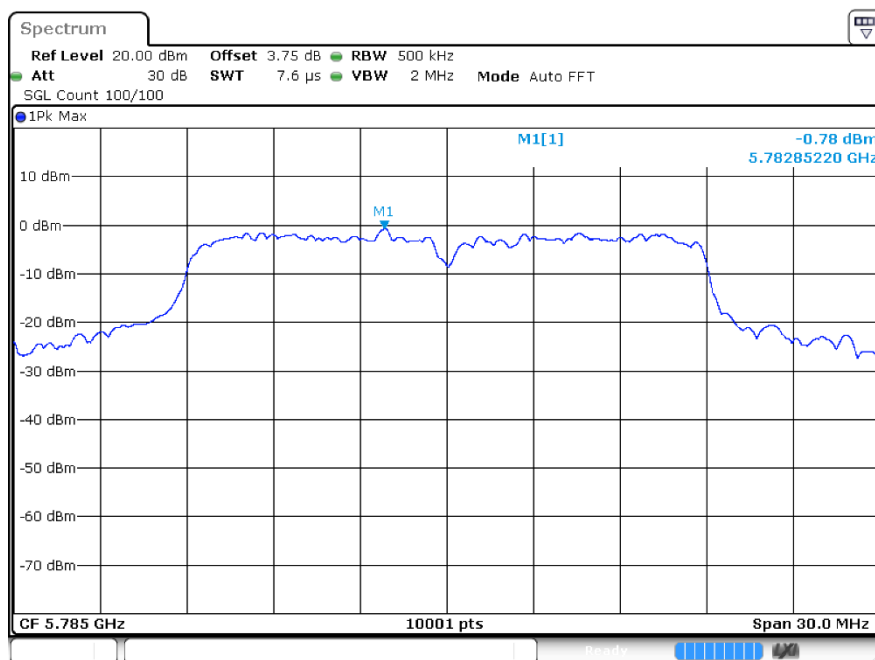




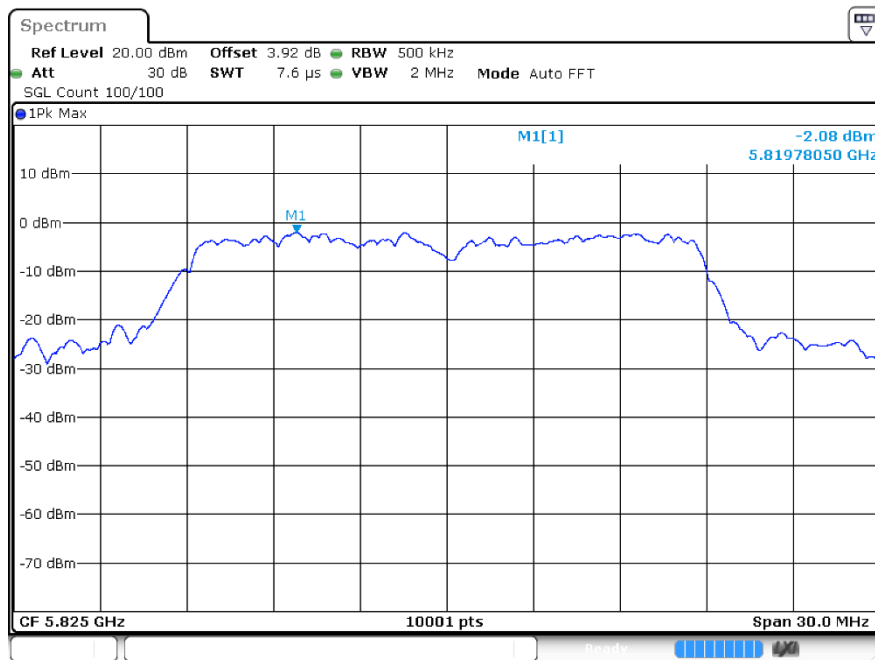
PSD ac20 5745MHz Ant1



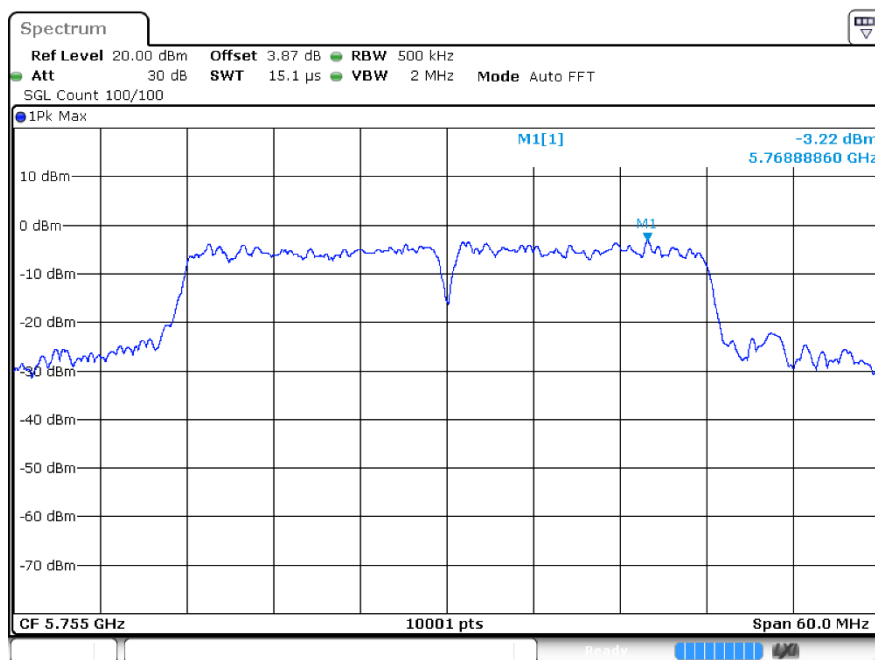
PSD ac20 5785MHz Ant1



PSD ac20 5825MHz Ant1

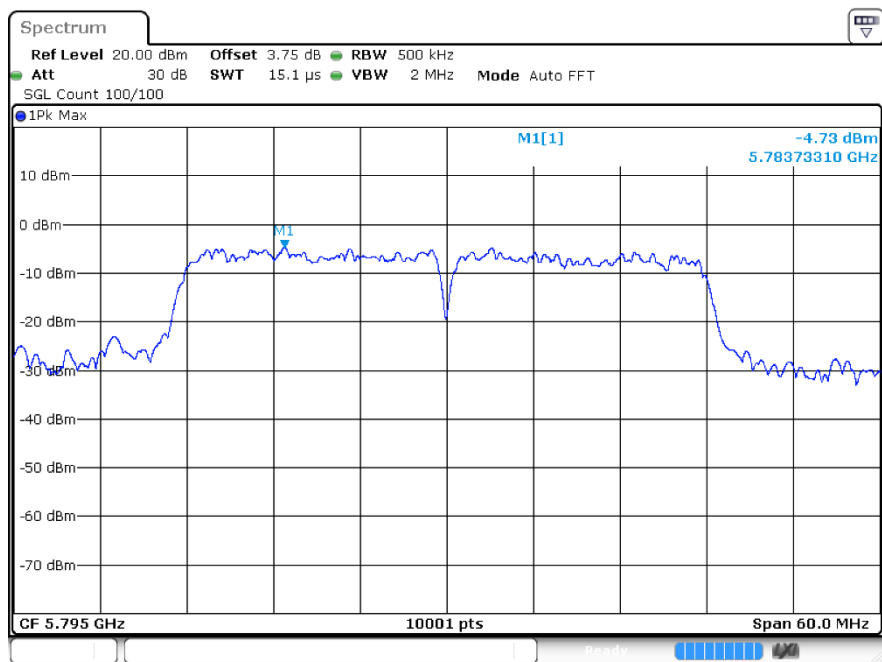


PSD ac40 5755MHz Ant1

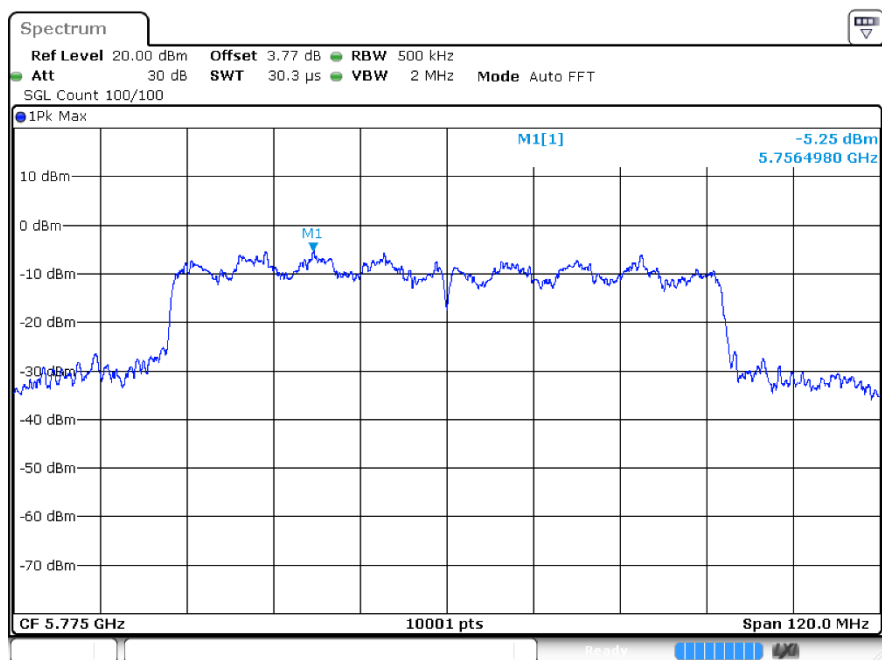




PSD ac40 5795MHz Ant1



PSD ac80 5775MHz 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	5745.02	20000	3.48	25	Pass
20C 138V	a	5745	Ant1	5745	0	0	25	Pass
-20C 120V	a	5745	Ant1	5745	0	0	25	Pass
-10C 120V	a	5745	Ant1	5745	0	0	25	Pass
0C 120V	a	5745	Ant1	5745	0	0	25	Pass
10C 120V	a	5745	Ant1	5745	0	0	25	Pass
30C 120V	a	5745	Ant1	5744.98	-20000	-3.48	25	Pass
40C 120V	a	5745	Ant1	5745.02	20000	3.48	25	Pass
50C 120V	a	5745	Ant1	5745.02	20000	3.48	25	Pass
20C 102V	a	5785	Ant1	5784.98	-20000	-3.46	25	Pass
20C 120V	a	5785	Ant1	5785	0	0	25	Pass
20C 138V	a	5785	Ant1	5785	0	0	25	Pass
-20C 120V	a	5785	Ant1	5785	0	0	25	Pass
-10C 120V	a	5785	Ant1	5784.96	-40000	-6.91	25	Pass
0C 120V	a	5785	Ant1	5785	0	0	25	Pass
10C 120V	a	5785	Ant1	5785	0	0	25	Pass
30C 120V	a	5785	Ant1	5785	0	0	25	Pass
40C 120V	a	5785	Ant1	5785	0	0	25	Pass
50C 120V	a	5785	Ant1	5784.98	-20000	-3.46	25	Pass
20C 102V	a	5825	Ant1	5825	0	0	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	5825.02	20000	3.43	25	Pass
30C 120V	a	5825	Ant1	5825	0	0	25	Pass
40C 120V	a	5825	Ant1	5825.02	20000	3.43	25	Pass
50C 120V	a	5825	Ant1	5825	0	0	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	5745	0	0	25	Pass
-10C 120V	n20	5745	Ant1	5745	0	0	25	Pass



0C 120V	n20	5745	Ant1	5745	0	0	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	5745.04	40000	6.96	25	Pass
50C 120V	n20	5745	Ant1	5745	0	0	25	Pass
20C 102V	n20	5785	Ant1	5784.96	-40000	-6.91	25	Pass
20C 120V	n20	5785	Ant1	5784.96	-40000	-6.91	25	Pass
20C 138V	n20	5785	Ant1	5785	0	0	25	Pass
-20C 120V	n20	5785	Ant1	5785	0	0	25	Pass
-10C 120V	n20	5785	Ant1	5785.02	20000	3.46	25	Pass
0C 120V	n20	5785	Ant1	5785	0	0	25	Pass
10C 120V	n20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
30C 120V	n20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
40C 120V	n20	5785	Ant1	5784.96	-40000	-6.91	25	Pass
50C 120V	n20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
20C 102V	n20	5825	Ant1	5825.02	20000	3.43	25	Pass
20C 120V	n20	5825	Ant1	5825	0	0	25	Pass
20C 138V	n20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
-20C 120V	n20	5825	Ant1	5825	0	0	25	Pass
-10C 120V	n20	5825	Ant1	5825.04	40000	6.87	25	Pass
0C 120V	n20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
10C 120V	n20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
30C 120V	n20	5825	Ant1	5825.02	20000	3.43	25	Pass
40C 120V	n20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
50C 120V	n20	5825	Ant1	5825	0	0	25	Pass
20C 102V	n40	5755	Ant1	5755	0	0	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	5754.96	-40000	-6.95	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	5754.96	-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	5795.04	40000	6.9	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	5795	0	0	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	5745.02	20000	3.48	25	Pass
20C 138V	ac20	5745	Ant1	5745	0	0	25	Pass
-20C 120V	ac20	5745	Ant1	5745	0	0	25	Pass
-10C 120V	ac20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
0C 120V	ac20	5745	Ant1	5745	0	0	25	Pass
10C 120V	ac20	5745	Ant1	5745	0	0	25	Pass
30C 120V	ac20	5745	Ant1	5745.02	20000	3.48	25	Pass
40C 120V	ac20	5745	Ant1	5745.02	20000	3.48	25	Pass
50C 120V	ac20	5745	Ant1	5745	0	0	25	Pass
20C 102V	ac20	5785	Ant1	5785.02	20000	3.46	25	Pass
20C 120V	ac20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
20C 138V	ac20	5785	Ant1	5785	0	0	25	Pass
-20C 120V	ac20	5785	Ant1	5785.02	20000	3.46	25	Pass
-10C 120V	ac20	5785	Ant1	5785	0	0	25	Pass
0C 120V	ac20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
10C 120V	ac20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
30C 120V	ac20	5785	Ant1	5785.02	20000	3.46	25	Pass
40C 120V	ac20	5785	Ant1	5785.02	20000	3.46	25	Pass
50C 120V	ac20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
20C 102V	ac20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
20C 120V	ac20	5825	Ant1	5825	0	0	25	Pass
20C 138V	ac20	5825	Ant1	5825	0	0	25	Pass
-20C 120V	ac20	5825	Ant1	5825.02	20000	3.43	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	5825.02	20000	3.43	25	Pass
30C 120V	ac20	5825	Ant1	5825	0	0	25	Pass
40C 120V	ac20	5825	Ant1	5825	0	0	25	Pass
50C 120V	ac20	5825	Ant1	5825	0	0	25	Pass
20C 102V	ac40	5755	Ant1	5755	0	0	25	Pass
20C 120V	ac40	5755	Ant1	5755	0	0	25	Pass
20C 138V	ac40	5755	Ant1	5755	0	0	25	Pass
-20C 120V	ac40	5755	Ant1	5755	0	0	25	Pass
-10C 120V	ac40	5755	Ant1	5755	0	0	25	Pass
0C 120V	ac40	5755	Ant1	5755	0	0	25	Pass
10C 120V	ac40	5755	Ant1	5755	0	0	25	Pass
30C 120V	ac40	5755	Ant1	5755	0	0	25	Pass
40C 120V	ac40	5755	Ant1	5755	0	0	25	Pass
50C 120V	ac40	5755	Ant1	5755	0	0	25	Pass
20C 102V	ac40	5795	Ant1	5795	0	0	25	Pass



20C 120V	ac40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
20C 138V	ac40	5795	Ant1	5795	0	0	25	Pass
-20C 120V	ac40	5795	Ant1	5795	0	0	25	Pass
-10C 120V	ac40	5795	Ant1	5795	0	0	25	Pass
0C 120V	ac40	5795	Ant1	5795	0	0	25	Pass
10C 120V	ac40	5795	Ant1	5795	0	0	25	Pass
30C 120V	ac40	5795	Ant1	5795	0	0	25	Pass
40C 120V	ac40	5795	Ant1	5795	0	0	25	Pass
50C 120V	ac40	5795	Ant1	5795	0	0	25	Pass
20C 102V	ac80	5775	Ant1	5775	0	0	25	Pass
20C 120V	ac80	5775	Ant1	5775	0	0	25	Pass
20C 138V	ac80	5775	Ant1	5775	0	0	25	Pass
-20C 120V	ac80	5775	Ant1	5775	0	0	25	Pass
-10C 120V	ac80	5775	Ant1	5775	0	0	25	Pass
0C 120V	ac80	5775	Ant1	5775	0	0	25	Pass
10C 120V	ac80	5775	Ant1	5775	0	0	25	Pass
30C 120V	ac80	5775	Ant1	5775	0	0	25	Pass
40C 120V	ac80	5775	Ant1	5775	0	0	25	Pass
50C 120V	ac80	5775	Ant1	5775	0	0	25	Pass

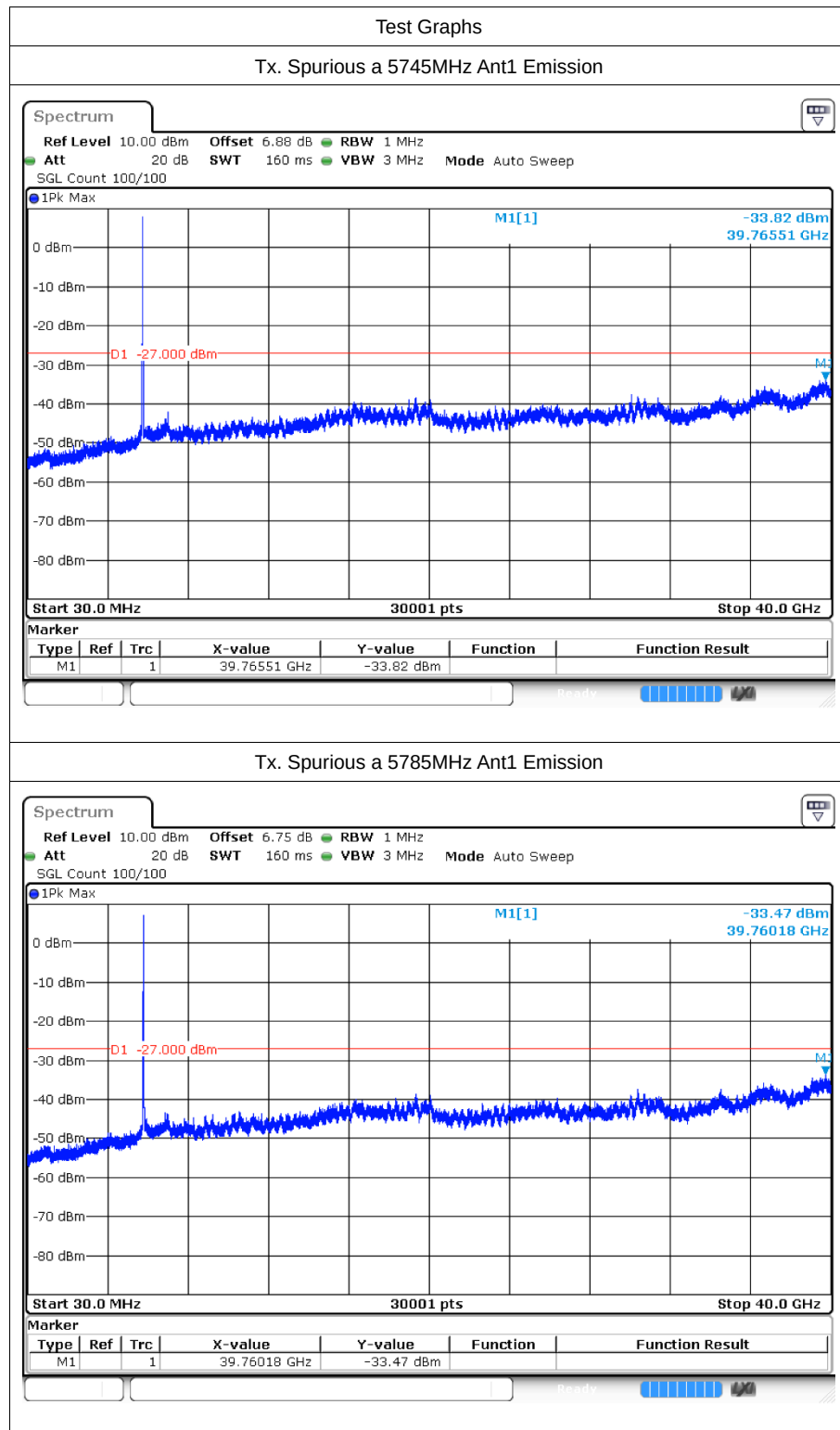


7 Conducted RF Spurious Emission

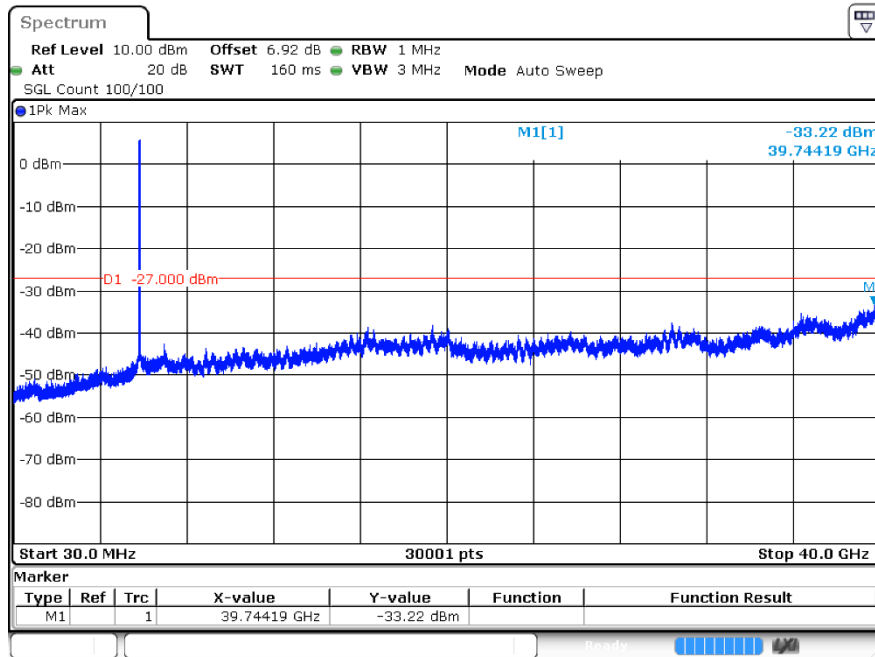
7.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
a	5745	Ant1	-33.81	-27	Pass
a	5785	Ant1	-33.46	-27	Pass
a	5825	Ant1	-33.21	-27	Pass
n20	5745	Ant1	-33.34	-27	Pass
n20	5785	Ant1	-33.78	-27	Pass
n20	5825	Ant1	-33.41	-27	Pass
n40	5755	Ant1	-33.72	-27	Pass
n40	5795	Ant1	-34.05	-27	Pass
ac20	5745	Ant1	-34.08	-27	Pass
ac20	5785	Ant1	-34.31	-27	Pass
ac20	5825	Ant1	-33.95	-27	Pass
ac40	5755	Ant1	-33.84	-27	Pass
ac40	5795	Ant1	-33.81	-27	Pass
ac80	5775	Ant1	-34.74	-27	Pass

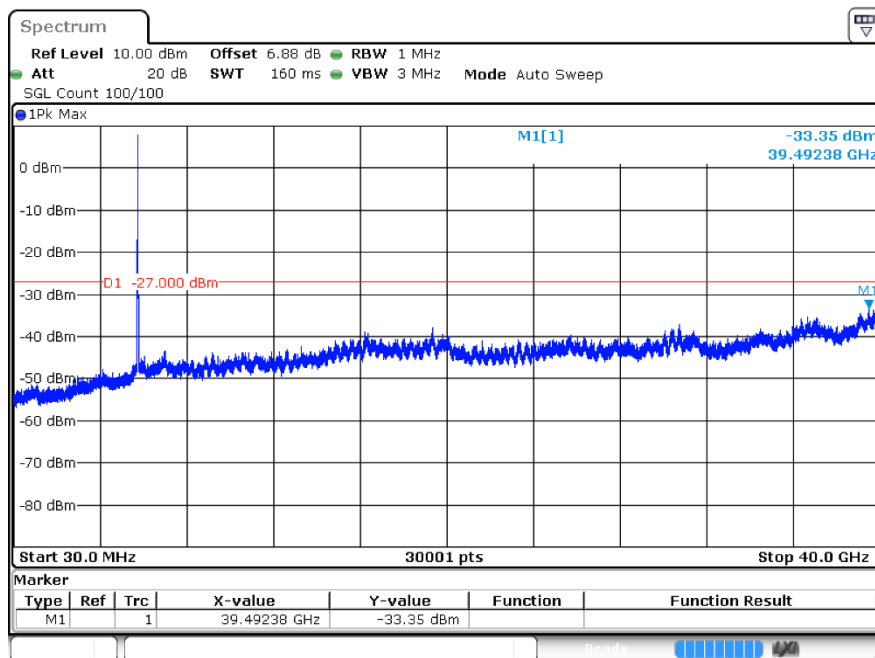
7.2 Test Graphs



Tx. Spurious a 5825MHz Ant1 Emission

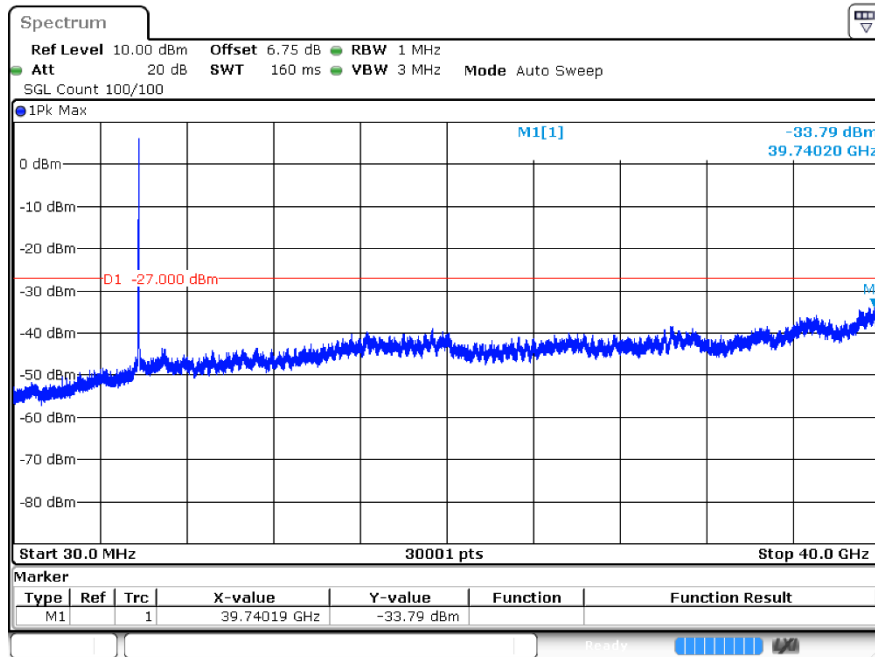


Tx. Spurious n20 5745MHz Ant1 Emission

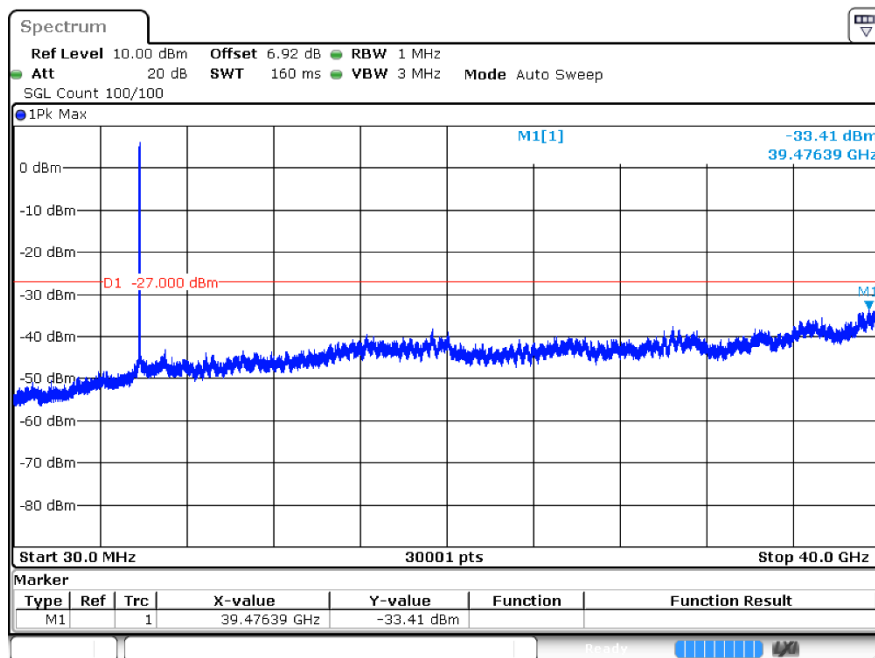




Tx. Spurious n20 5785MHz Ant1 Emission

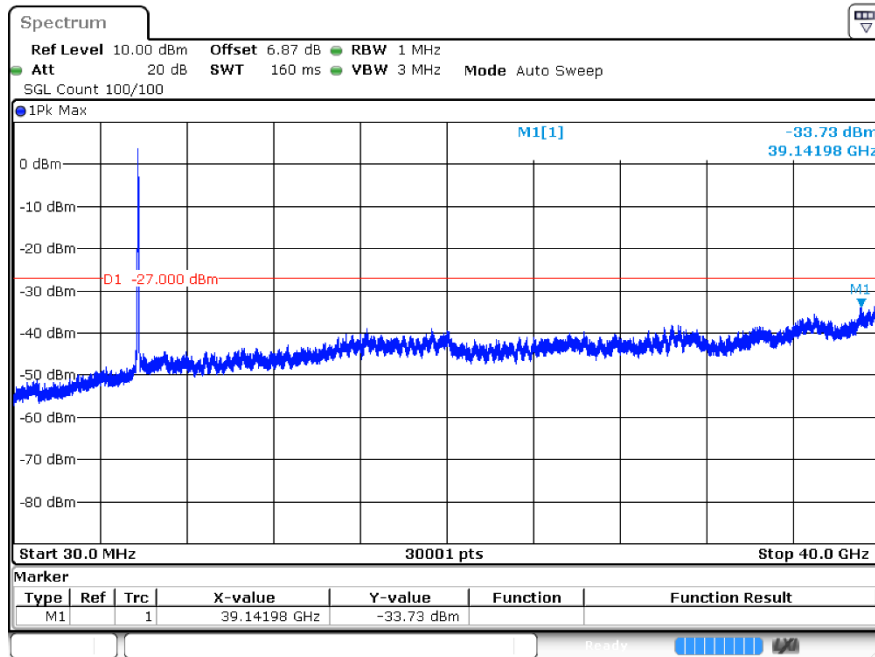


Tx. Spurious n20 5825MHz Ant1 Emission

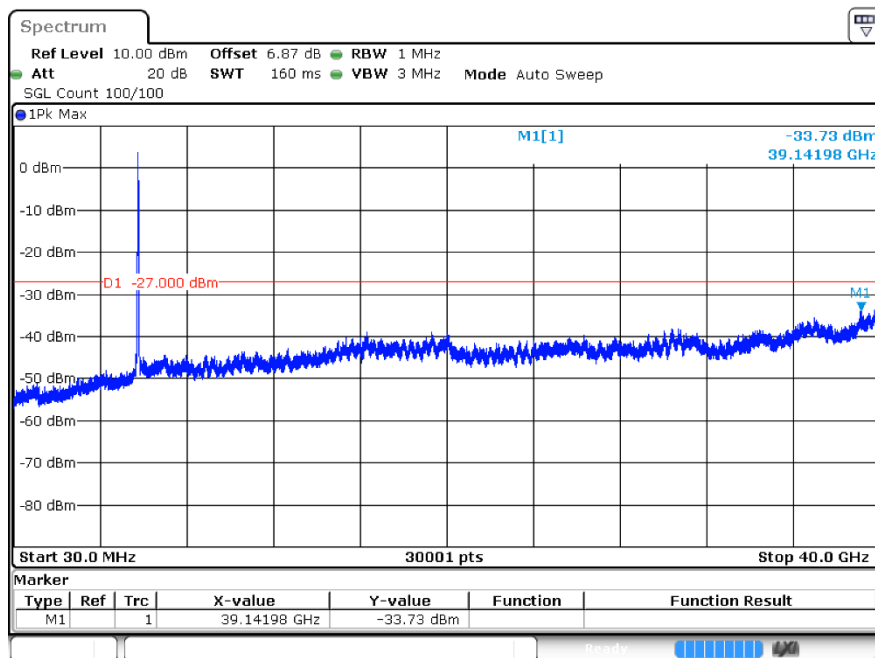




Tx. Spurious n40 5755MHz Ant1 Emission

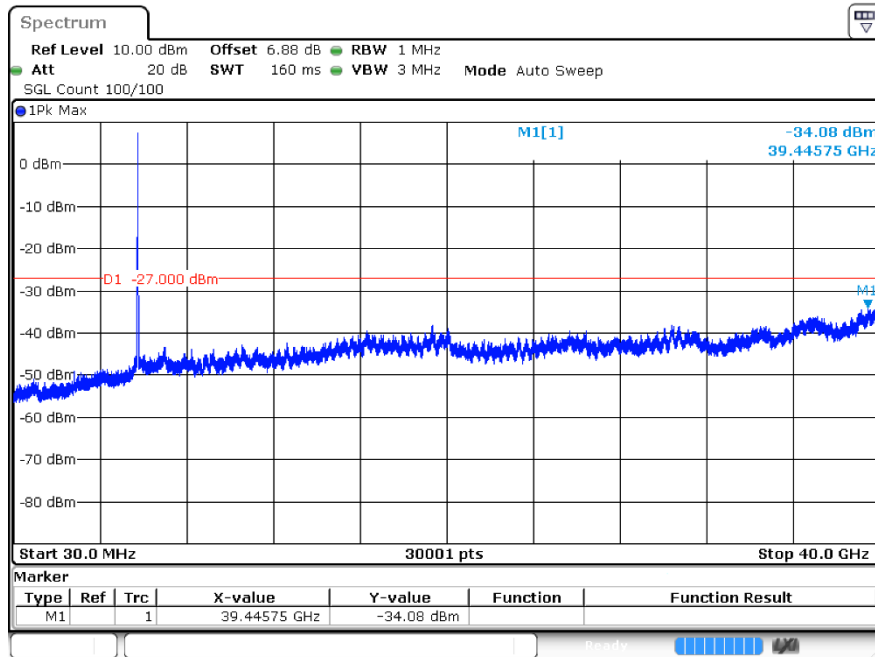


Tx. Spurious n40 5795MHz Ant1 Emission

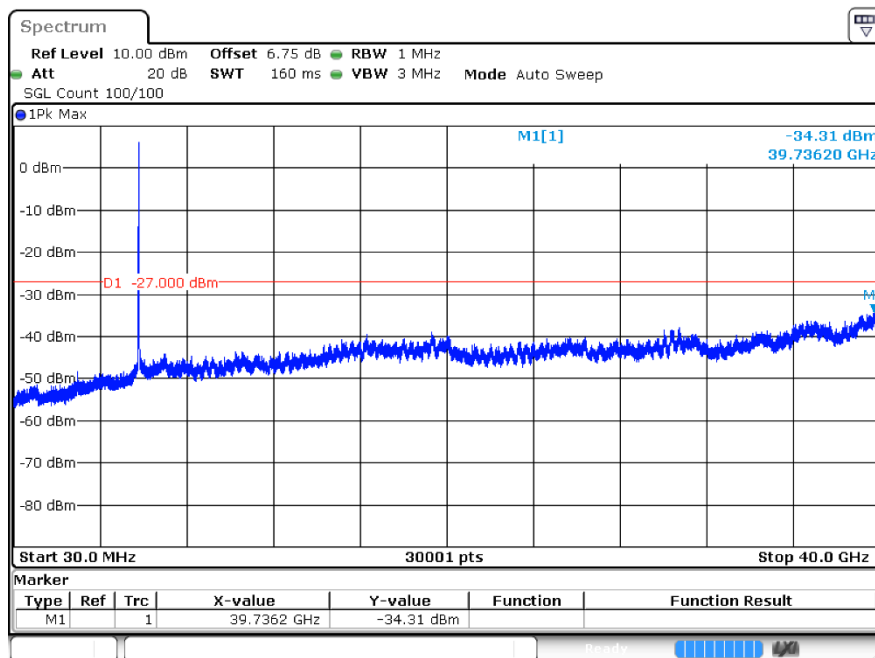




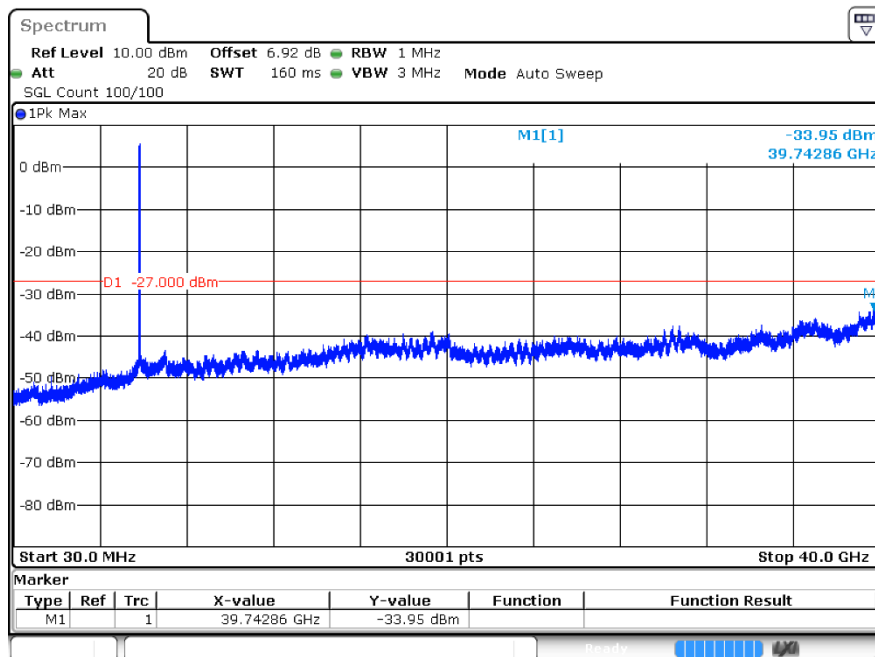
Tx. Spurious ac20 5745MHz Ant1 Emission



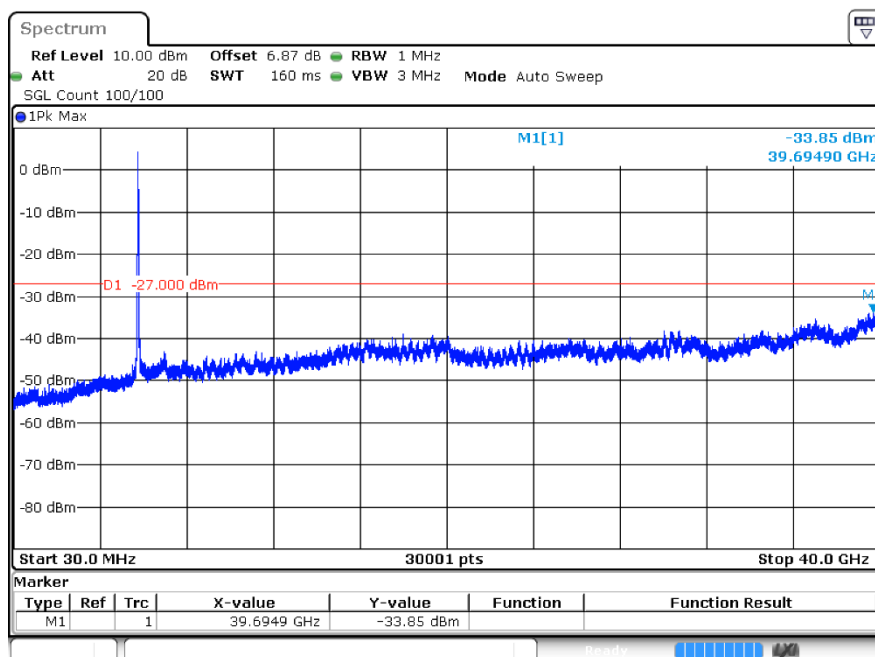
Tx. Spurious ac20 5785MHz Ant1 Emission



Tx. Spurious ac20 5825MHz Ant1 Emission

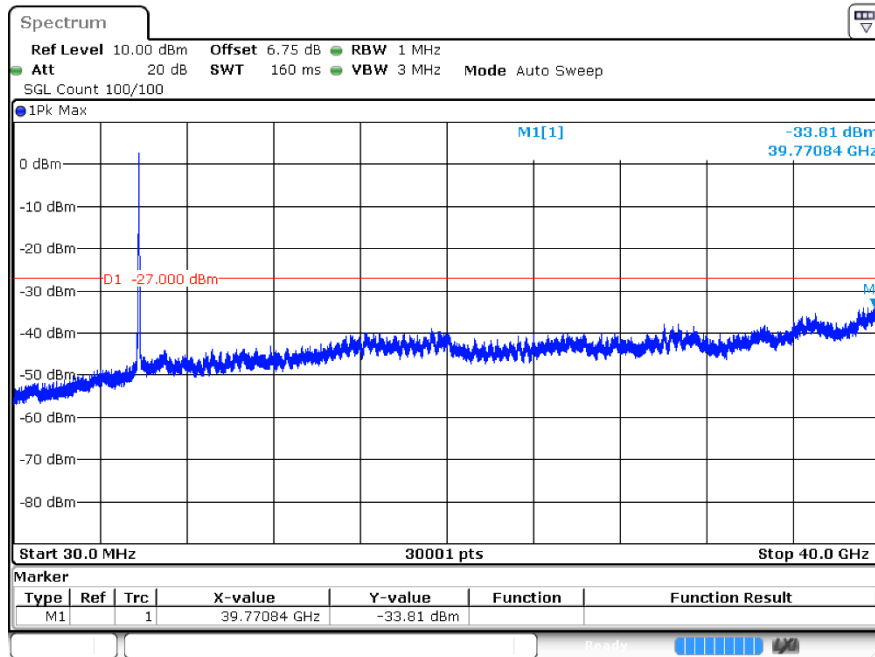


Tx. Spurious ac40 5755MHz Ant1 Emission

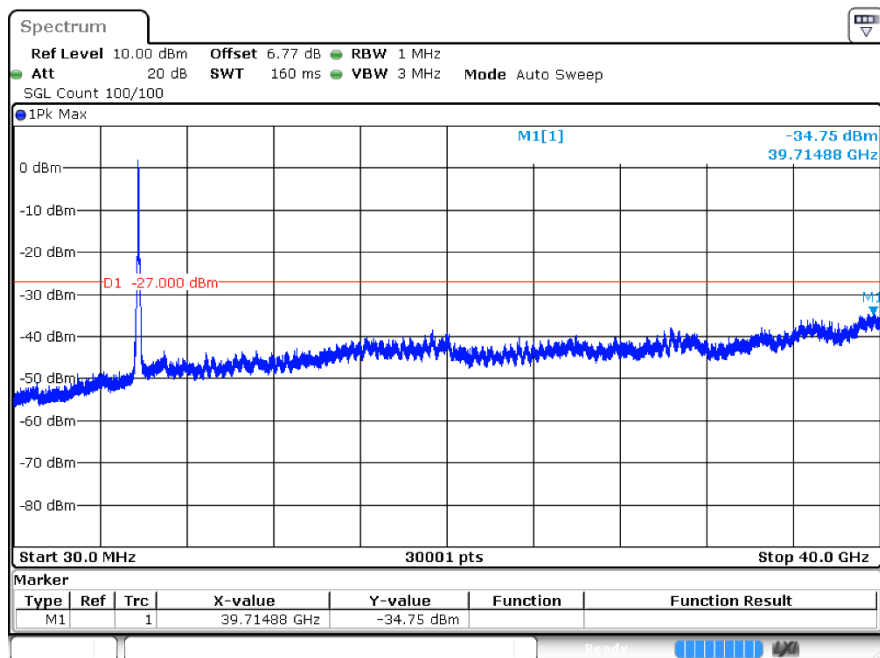




Tx. Spurious ac40 5795MHz Ant1 Emission



Tx. Spurious ac80 5775MHz Ant1 Emission





8 Restrict Band

8.1 Test Result

Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
a	5745	Ant1	5650	-39.34	3	-36.34	Peak	-27	Pass
a	5745	Ant1	5650	-50.12	3	-47.12	Average	-27	Pass
a	5745	Ant1	5700	-41.6	3	-38.6	Peak	10	Pass
a	5745	Ant1	5700	-49.59	3	-46.59	Average	10	Pass
a	5745	Ant1	5720	-31.72	3	-28.72	Peak	15.6	Pass
a	5745	Ant1	5720	-43.57	3	-40.57	Average	15.6	Pass
a	5745	Ant1	5725	-20.99	3	-17.99	Peak	27	Pass
a	5745	Ant1	5725	-33.25	3	-30.25	Average	27	Pass
a	5825	Ant1	5850	-34.29	3	-31.29	Peak	27	Pass
a	5825	Ant1	5850	-46.29	3	-43.29	Average	27	Pass
a	5825	Ant1	5855	-38.68	3	-35.68	Peak	15.6	Pass
a	5825	Ant1	5855	-48.27	3	-45.27	Average	15.6	Pass
a	5825	Ant1	5875	-39.44	3	-36.44	Peak	10	Pass
a	5825	Ant1	5875	-49.1	3	-46.1	Average	10	Pass
a	5825	Ant1	5925	-41.72	3	-38.72	Peak	-27	Pass
a	5825	Ant1	5925	-49.41	3	-46.41	Average	-27	Pass
n20	5745	Ant1	5650	-41.8	3	-38.8	Peak	-27	Pass
n20	5745	Ant1	5650	-49.79	3	-46.79	Average	-27	Pass
n20	5745	Ant1	5700	-41.72	3	-38.72	Peak	10	Pass
n20	5745	Ant1	5700	-49.44	3	-46.44	Average	10	Pass
n20	5745	Ant1	5720	-24.54	3	-21.54	Peak	15.6	Pass
n20	5745	Ant1	5720	-42.55	3	-39.55	Average	15.6	Pass
n20	5745	Ant1	5725	-15.77	3	-12.77	Peak	27	Pass
n20	5745	Ant1	5725	-32.61	3	-29.61	Average	27	Pass
n20	5825	Ant1	5850	-33.02	3	-30.02	Peak	27	Pass
n20	5825	Ant1	5850	-45.11	3	-42.11	Average	27	Pass
n20	5825	Ant1	5855	-35.64	3	-32.64	Peak	15.6	Pass
n20	5825	Ant1	5855	-47.98	3	-44.98	Average	15.6	Pass
n20	5825	Ant1	5875	-41.4	3	-38.4	Peak	10	Pass
n20	5825	Ant1	5875	-48.97	3	-45.97	Average	10	Pass
n20	5825	Ant1	5925	-40.32	3	-37.32	Peak	-27	Pass
n20	5825	Ant1	5925	-49.23	3	-46.23	Average	-27	Pass
n40	5755	Ant1	5650	-42.02	3	-39.02	Peak	-27	Pass
n40	5755	Ant1	5650	-49.37	3	-46.37	Average	-27	Pass
n40	5755	Ant1	5700	-35.85	3	-32.85	Peak	10	Pass
n40	5755	Ant1	5700	-47.96	3	-44.96	Average	10	Pass

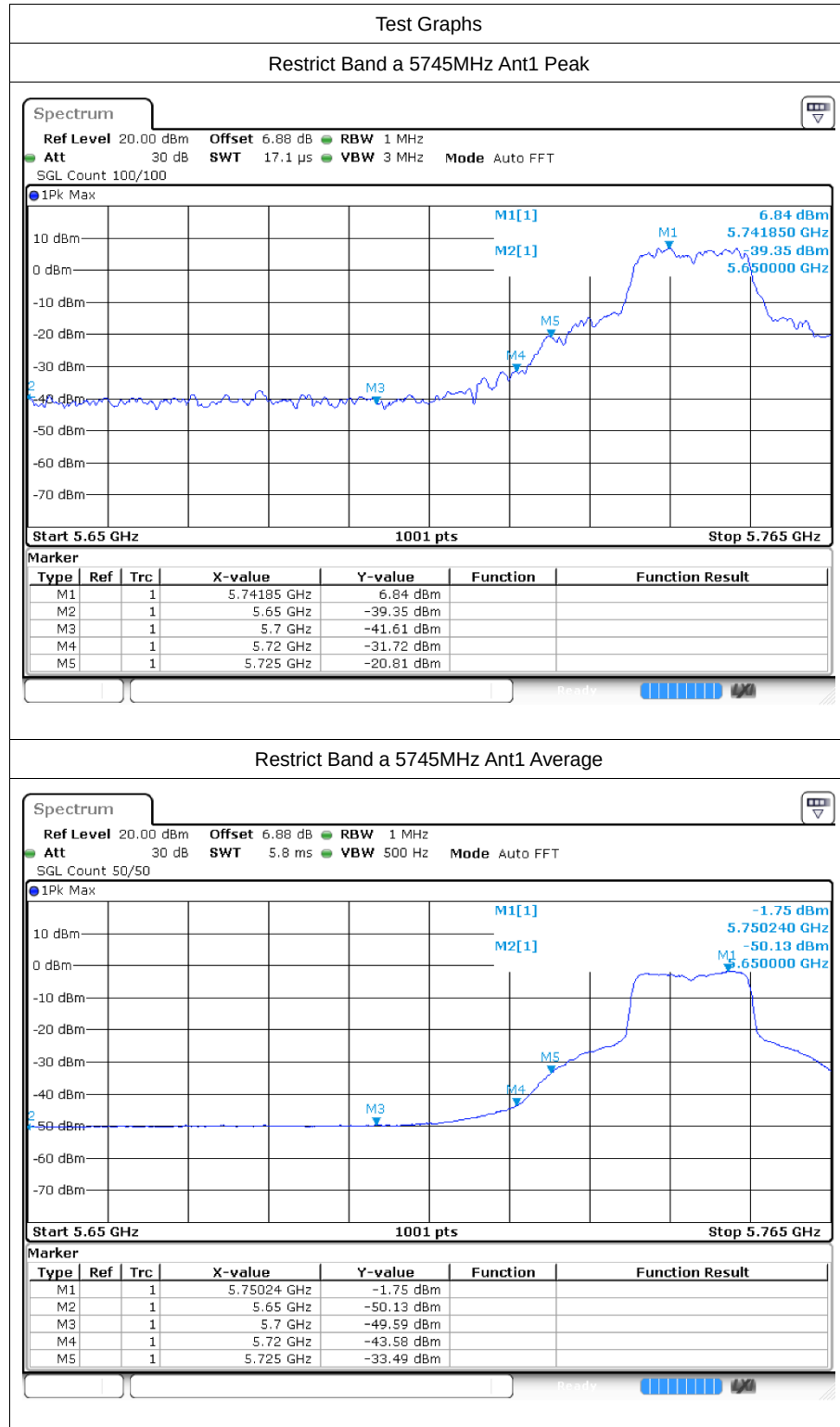


n40	5755	Ant1	5720	-22.75	3	-19.75	Peak	15.6	Pass
n40	5755	Ant1	5720	-35.17	3	-32.17	Average	15.6	Pass
n40	5755	Ant1	5725	-24.66	3	-21.66	Peak	27	Pass
n40	5755	Ant1	5725	-32.65	3	-29.65	Average	27	Pass
n40	5795	Ant1	5850	-40.34	3	-37.34	Peak	27	Pass
n40	5795	Ant1	5850	-48.33	3	-45.33	Average	27	Pass
n40	5795	Ant1	5855	-39.88	3	-36.88	Peak	15.6	Pass
n40	5795	Ant1	5855	-47.95	3	-44.95	Average	15.6	Pass
n40	5795	Ant1	5875	-39.34	3	-36.34	Peak	10	Pass
n40	5795	Ant1	5875	-48.97	3	-45.97	Average	10	Pass
n40	5795	Ant1	5925	-40.44	3	-37.44	Peak	-27	Pass
n40	5795	Ant1	5925	-48.98	3	-45.98	Average	-27	Pass
ac20	5745	Ant1	5650	-40.65	3	-37.65	Peak	-27	Pass
ac20	5745	Ant1	5650	-49.9	3	-46.9	Average	-27	Pass
ac20	5745	Ant1	5700	-41.18	3	-38.18	Peak	10	Pass
ac20	5745	Ant1	5700	-49.38	3	-46.38	Average	10	Pass
ac20	5745	Ant1	5720	-31.61	3	-28.61	Peak	15.6	Pass
ac20	5745	Ant1	5720	-42.77	3	-39.77	Average	15.6	Pass
ac20	5745	Ant1	5725	-21.16	3	-18.16	Peak	27	Pass
ac20	5745	Ant1	5725	-32.76	3	-29.76	Average	27	Pass
ac20	5825	Ant1	5850	-30.66	3	-27.66	Peak	27	Pass
ac20	5825	Ant1	5850	-45.12	3	-42.12	Average	27	Pass
ac20	5825	Ant1	5855	-39.08	3	-36.08	Peak	15.6	Pass
ac20	5825	Ant1	5855	-48.07	3	-45.07	Average	15.6	Pass
ac20	5825	Ant1	5875	-38.93	3	-35.93	Peak	10	Pass
ac20	5825	Ant1	5875	-48.98	3	-45.98	Average	10	Pass
ac20	5825	Ant1	5925	-37.83	3	-34.83	Peak	-27	Pass
ac20	5825	Ant1	5925	-49.07	3	-46.07	Average	-27	Pass
ac40	5755	Ant1	5650	-40.79	3	-37.79	Peak	-27	Pass
ac40	5755	Ant1	5650	-49.65	3	-46.65	Average	-27	Pass
ac40	5755	Ant1	5700	-39.37	3	-36.37	Peak	10	Pass
ac40	5755	Ant1	5700	-47.51	3	-44.51	Average	10	Pass
ac40	5755	Ant1	5720	-22.38	3	-19.38	Peak	15.6	Pass
ac40	5755	Ant1	5720	-34.75	3	-31.75	Average	15.6	Pass
ac40	5755	Ant1	5725	-22.97	3	-19.97	Peak	27	Pass
ac40	5755	Ant1	5725	-32.22	3	-29.22	Average	27	Pass
ac40	5795	Ant1	5850	-36.84	3	-33.84	Peak	27	Pass
ac40	5795	Ant1	5850	-47.97	3	-44.97	Average	27	Pass
ac40	5795	Ant1	5855	-38.59	3	-35.59	Peak	15.6	Pass
ac40	5795	Ant1	5855	-48.51	3	-45.51	Average	15.6	Pass
ac40	5795	Ant1	5875	-39.58	3	-36.58	Peak	10	Pass
ac40	5795	Ant1	5875	-48.47	3	-45.47	Average	10	Pass
ac40	5795	Ant1	5925	-40.36	3	-37.36	Peak	-27	Pass

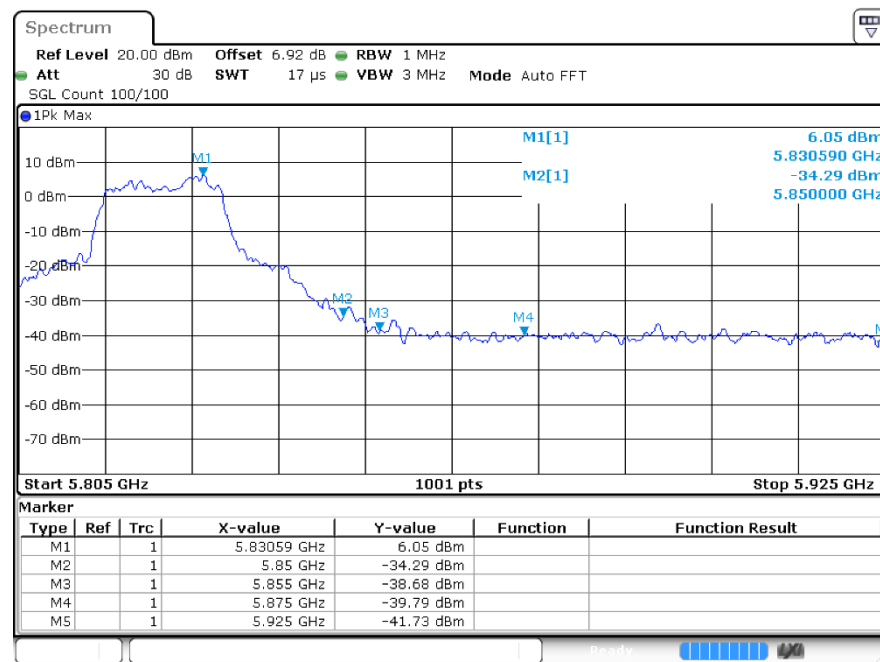


ac40	5795	Ant1	5925	-48.62	3	-45.62	Average	-27	Pass
ac80	5775	Ant1	5650	-39.21	3	-36.21	Peak	-27	Pass
ac80	5775	Ant1	5650	-48.37	3	-45.37	Average	-27	Pass
ac80	5775	Ant1	5700	-29.39	3	-26.39	Peak	10	Pass
ac80	5775	Ant1	5700	-39	3	-36	Average	10	Pass
ac80	5775	Ant1	5720	-27.18	3	-24.18	Peak	15.6	Pass
ac80	5775	Ant1	5720	-34.92	3	-31.92	Average	15.6	Pass
ac80	5775	Ant1	5725	-24.28	3	-21.28	Peak	27	Pass
ac80	5775	Ant1	5725	-33.58	3	-30.58	Average	27	Pass
ac80	5775	Ant1	5850	-26.21	3	-23.21	Peak	27	Pass
ac80	5775	Ant1	5850	-37.75	3	-34.75	Average	27	Pass
ac80	5775	Ant1	5855	-30.52	3	-27.52	Peak	15.6	Pass
ac80	5775	Ant1	5855	-39.35	3	-36.35	Average	15.6	Pass
ac80	5775	Ant1	5875	-34.07	3	-31.07	Peak	10	Pass
ac80	5775	Ant1	5875	-44.24	3	-41.24	Average	10	Pass
ac80	5775	Ant1	5925	-41.22	3	-38.22	Peak	-27	Pass
ac80	5775	Ant1	5925	-48.58	3	-45.58	Average	-27	Pass

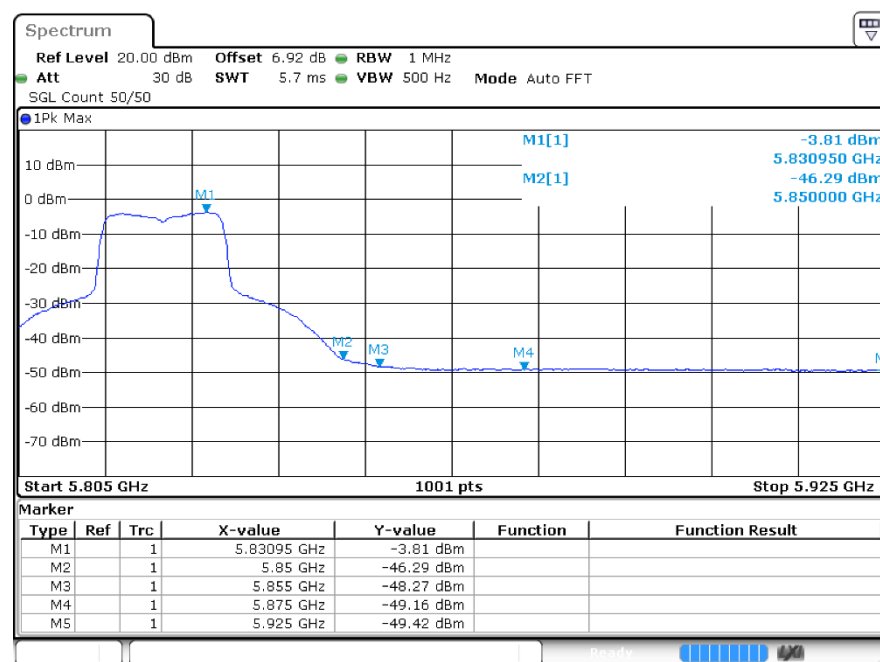
8.2 Test Graphs



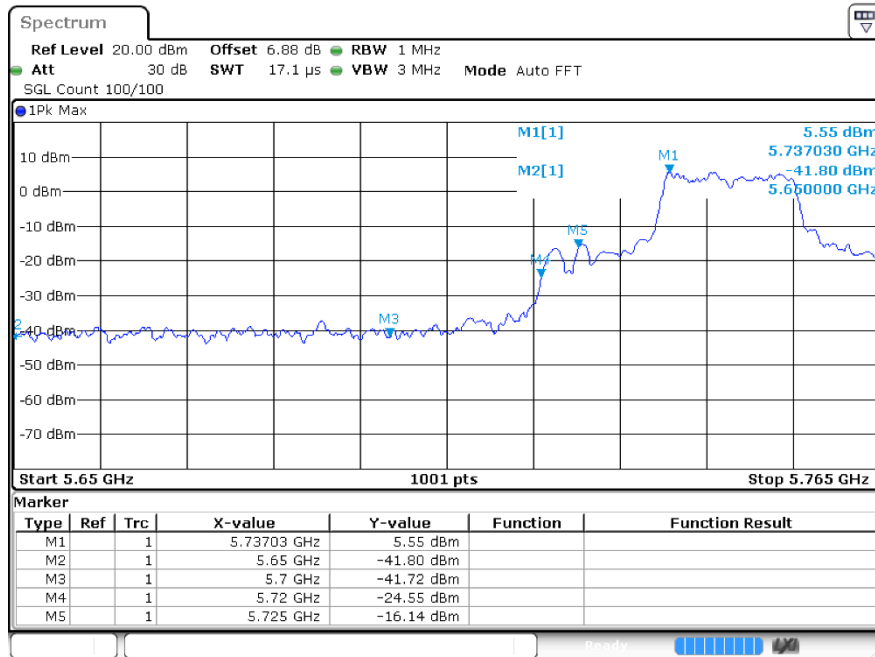
Restrict Band a 5825MHz Ant1 Peak



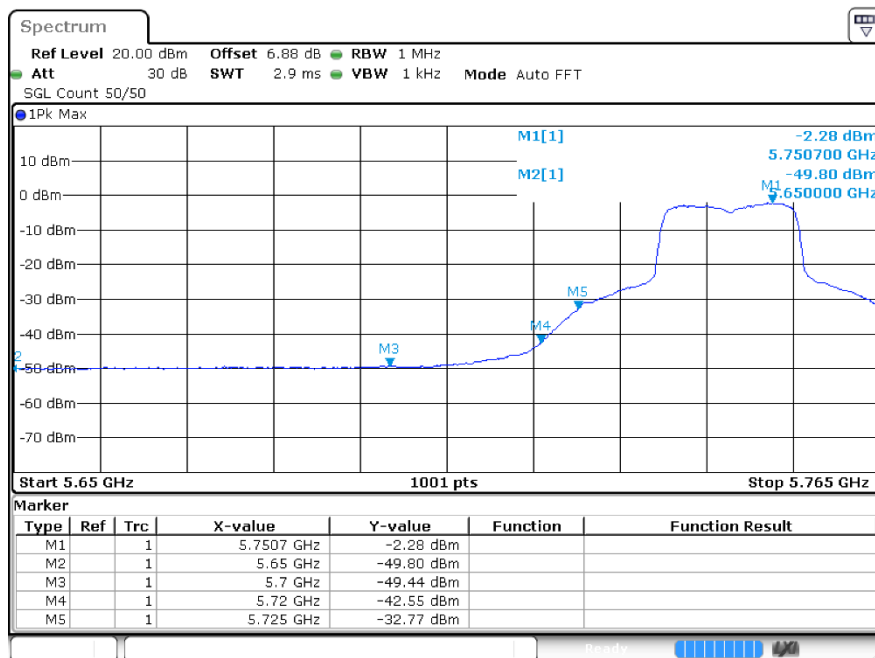
Restrict Band a 5825MHz Ant1 Average



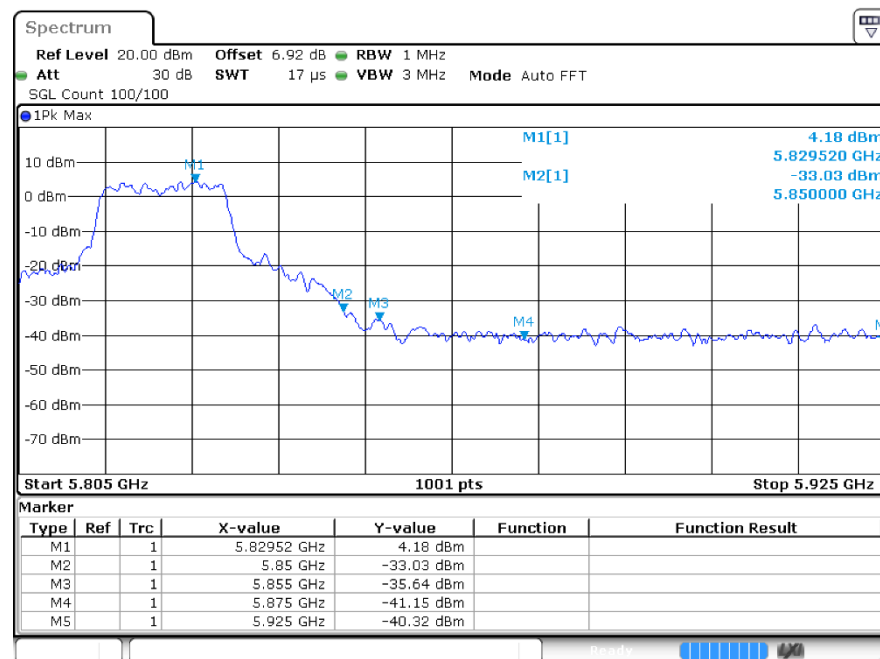
Restrict Band n20 5745MHz Ant1 Peak



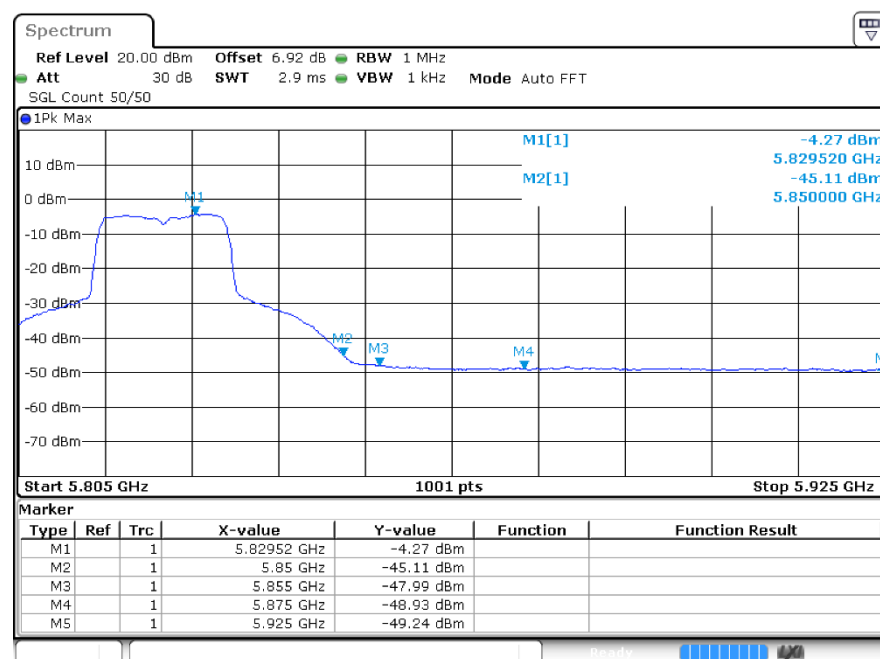
Restrict Band n20 5745MHz Ant1 Average



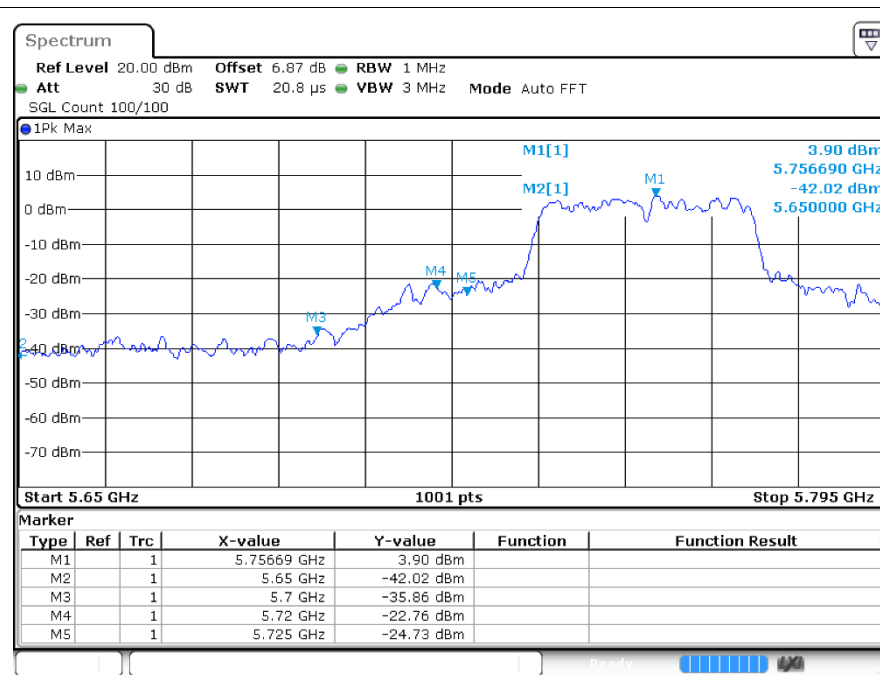
Restrict Band n20 5825MHz Ant1 Peak



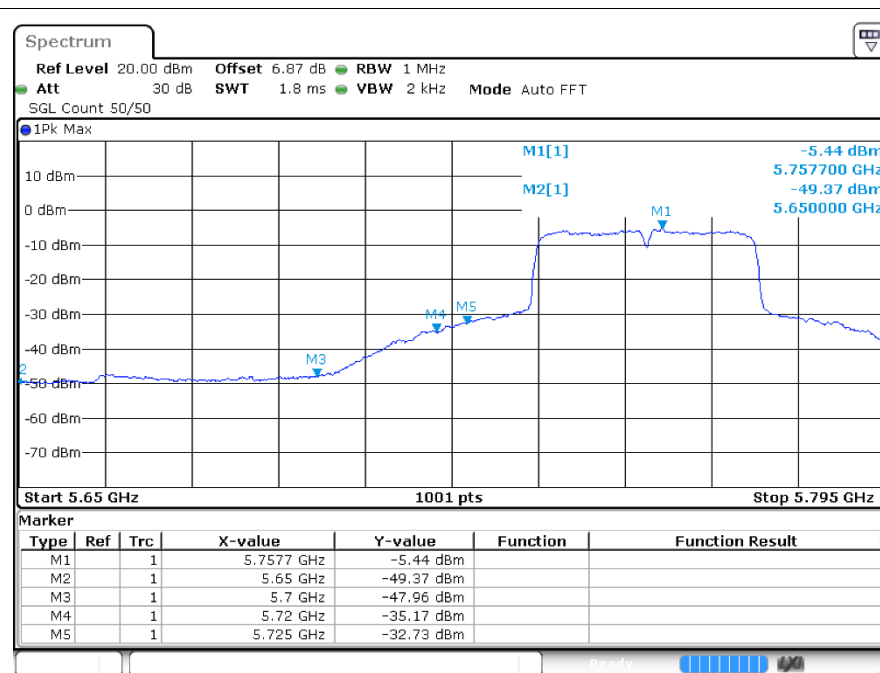
Restrict Band n20 5825MHz Ant1 Average



Restrict Band n40 5755MHz Ant1 Peak

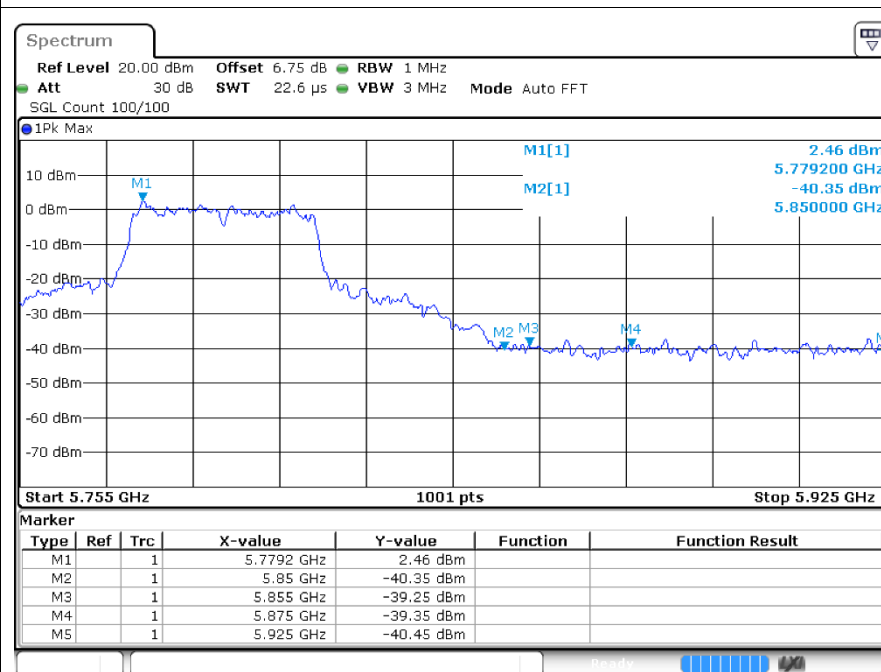


Restrict Band n40 5755MHz Ant1 Average

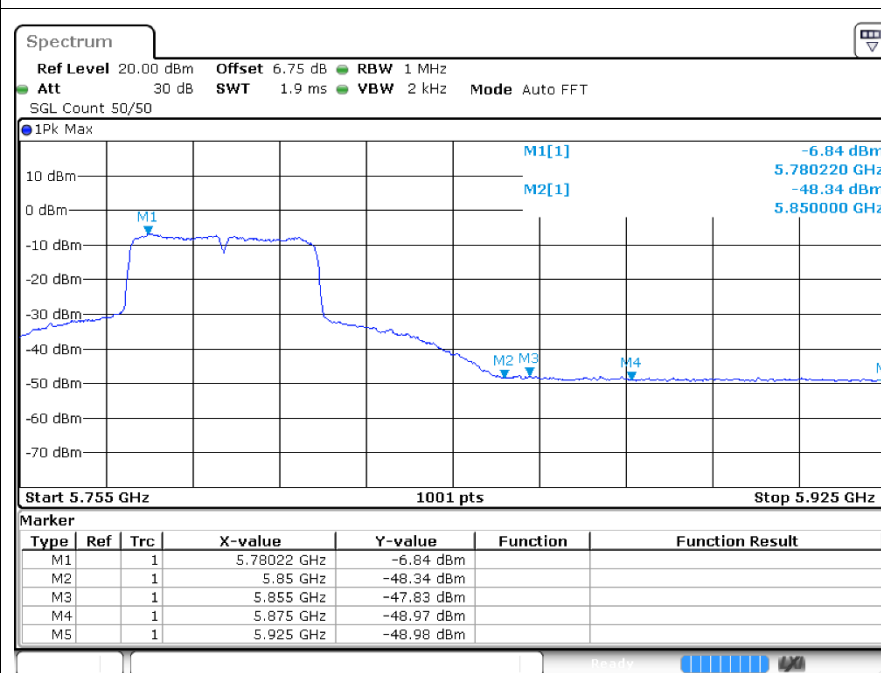




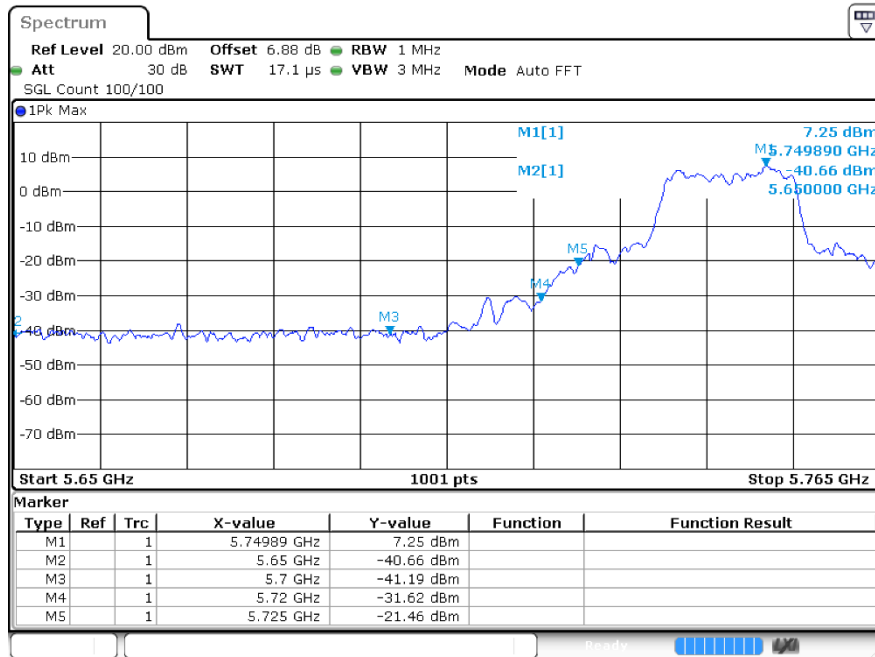
Restrict Band n40 5795MHz Ant1 Peak



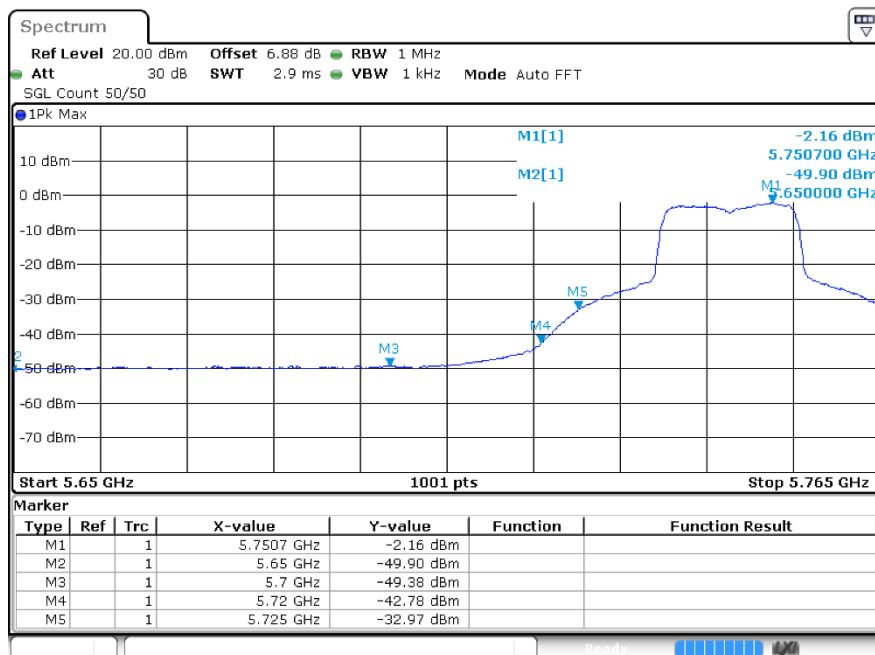
Restrict Band n40 5795MHz Ant1 Average



Restrict Band ac20 5745MHz Ant1 Peak

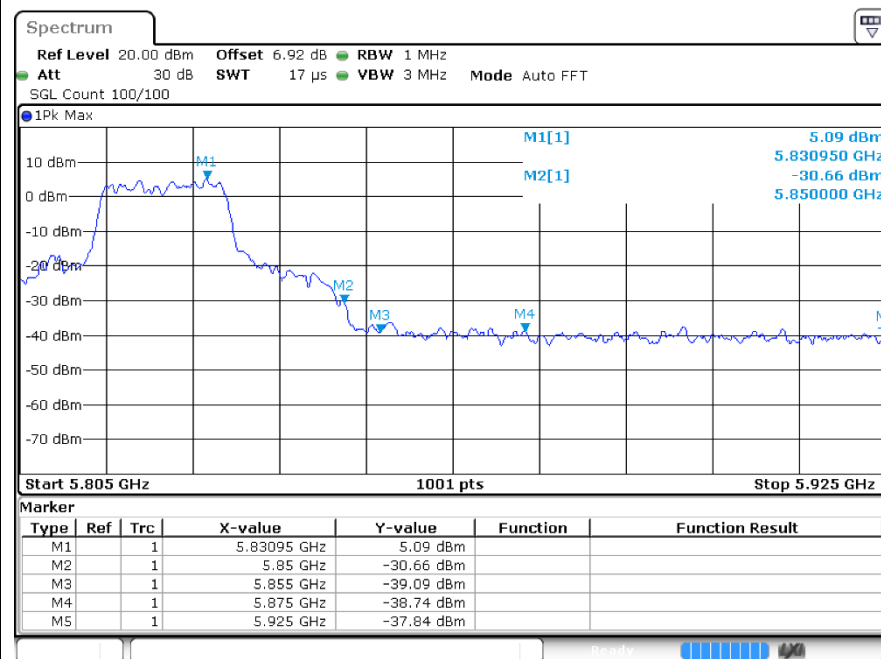


Restrict Band ac20 5745MHz Ant1 Average

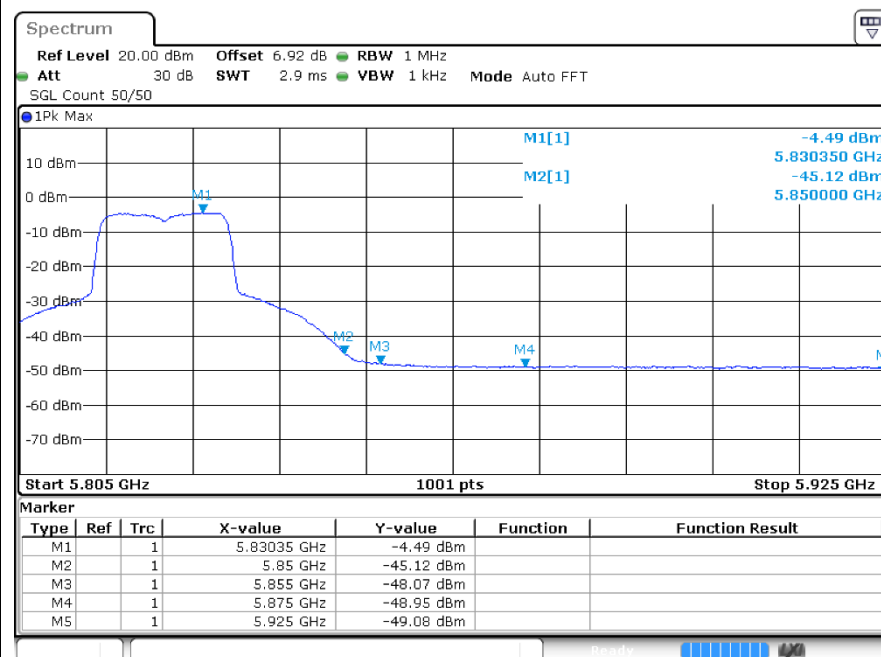




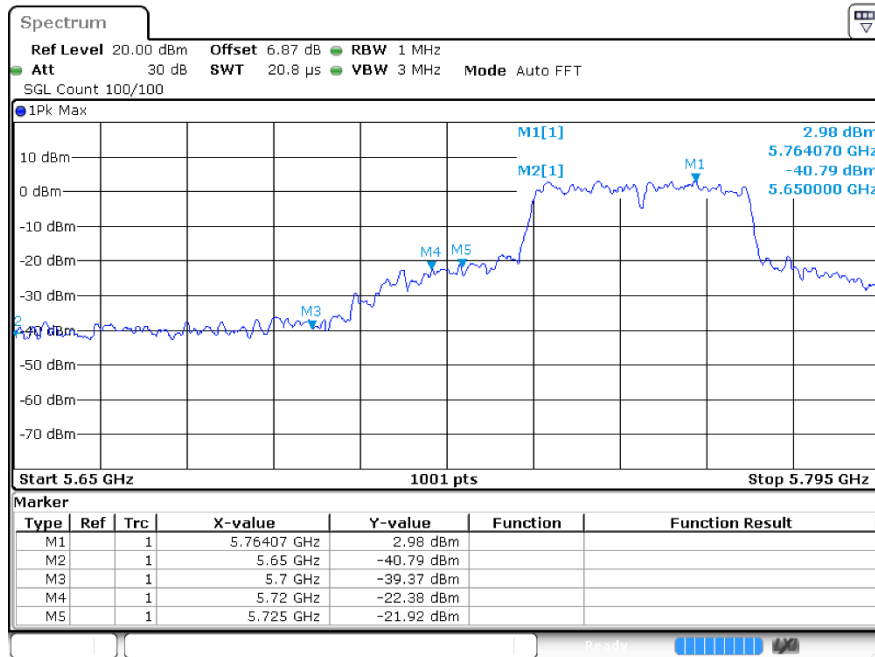
Restrict Band ac20 5825MHz Ant1 Peak



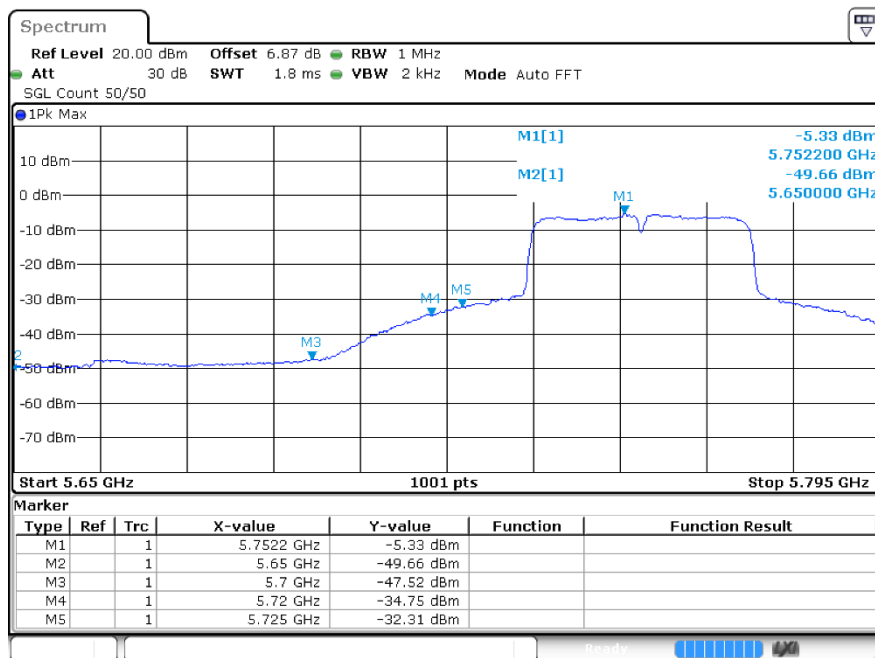
Restrict Band ac20 5825MHz Ant1 Average



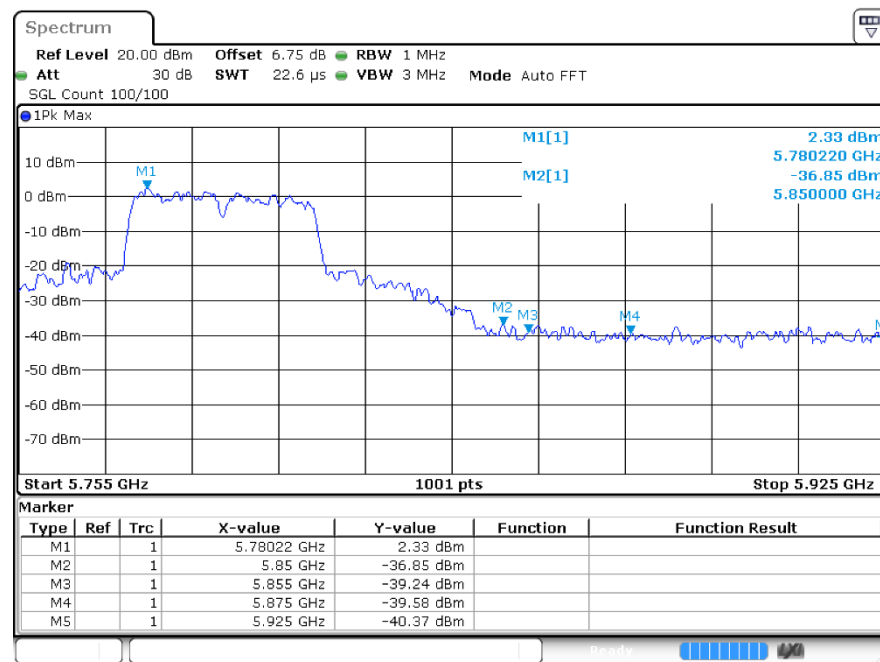
Restrict Band ac40 5755MHz Ant1 Peak



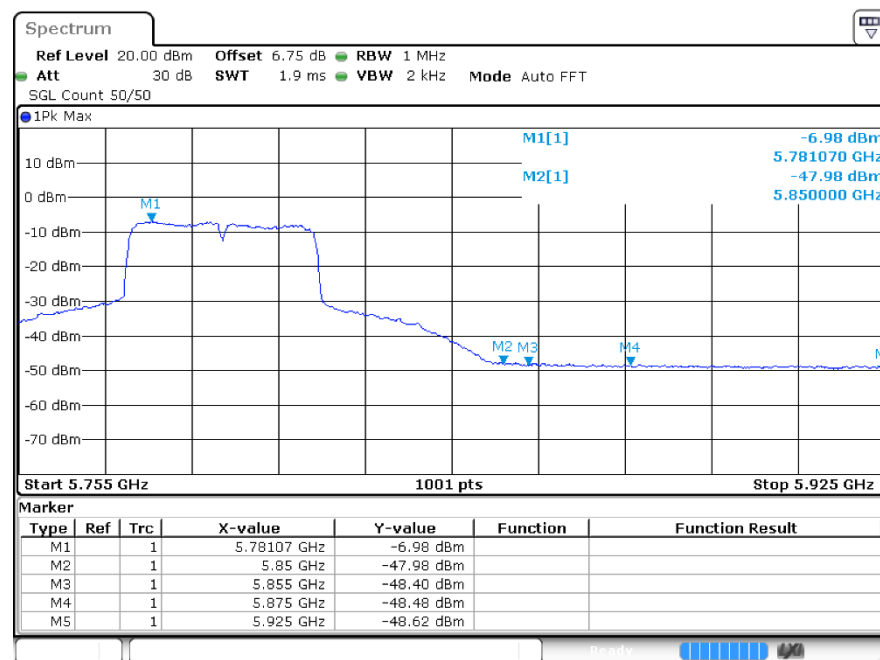
Restrict Band ac40 5755MHz Ant1 Average



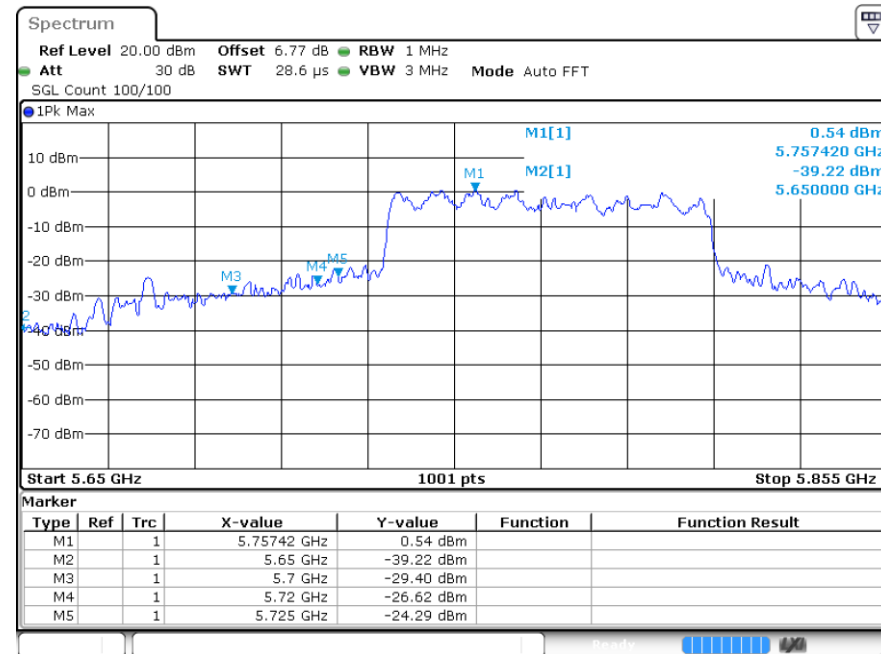
Restrict Band ac40 5795MHz Ant1 Peak



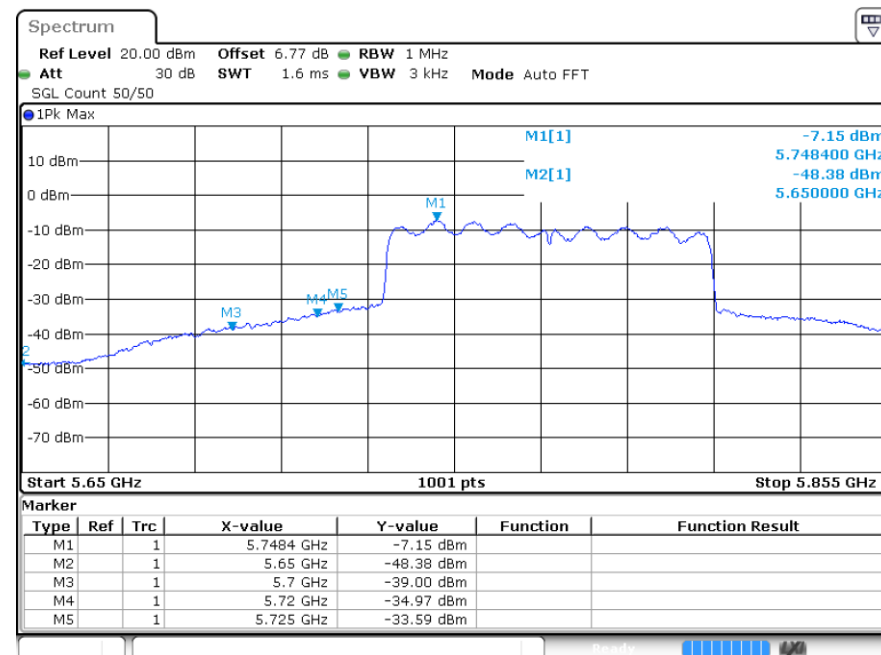
Restrict Band ac40 5795MHz Ant1 Average



Restrict Band ac80 5775MHz Ant1 Peak

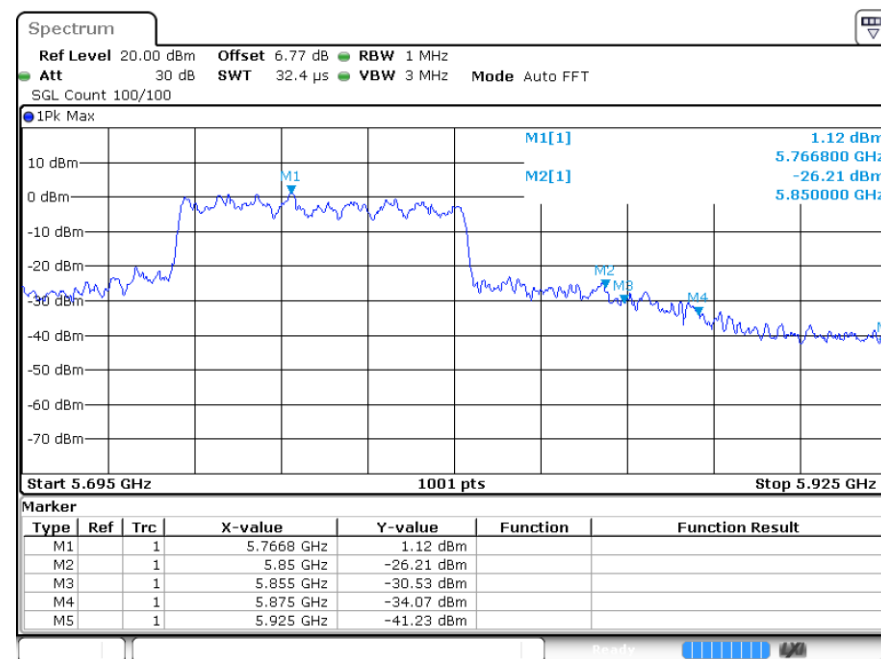


Restrict Band ac80 5775MHz Ant1 Average

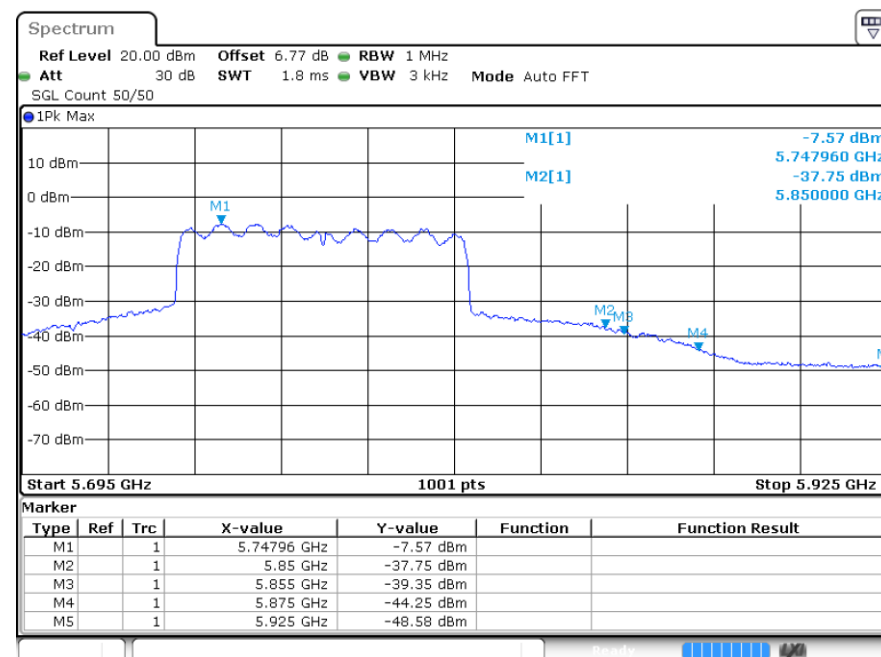




Restrict Band ac80 5775MHz Ant1 Peak



Restrict Band ac80 5775MHz Ant1 Average



---The End---