



Appendix E

RF Test Data for 5.8GWIFI(Conducted Measurement)

Product Name: Mini PC

Trade Mark: Blackview

Test Model: MP80

Environmental Conditions

Temperature:	25.8° C
Relative Humidity:	52.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



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1 Duty Cycle

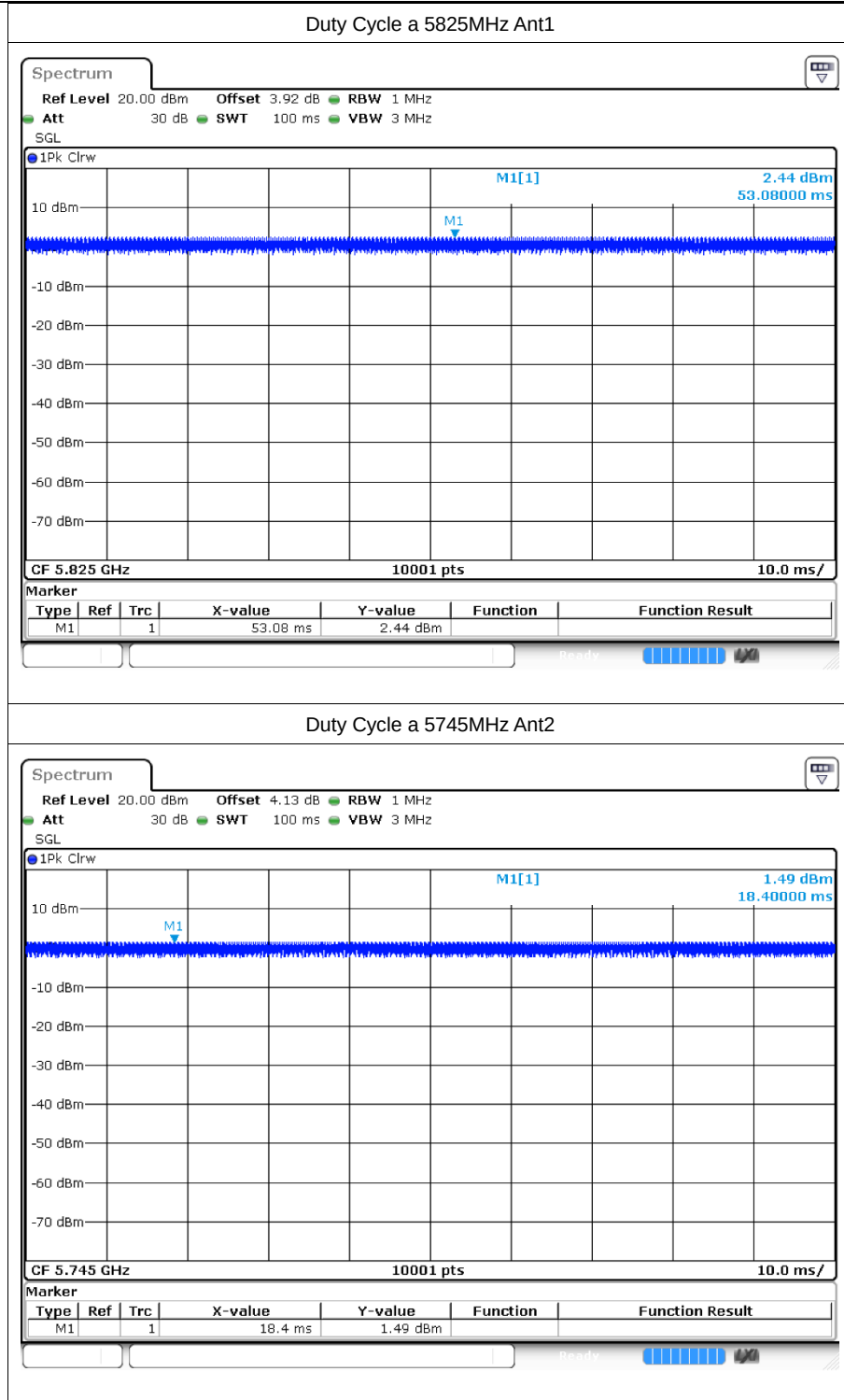
1.1 Test Result

Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
a	5745	Ant1	100	0	0
a	5785	Ant1	100	0	0
a	5825	Ant1	100	0	0
a	5745	Ant2	100	0	0
a	5785	Ant2	100	0	0
a	5825	Ant2	100	0	0
n20	5745	Ant1	100	0	0
n20	5785	Ant1	100	0	0
n20	5825	Ant1	100	0	0
n20	5745	Ant2	100	0	0
n20	5785	Ant2	100	0	0
n20	5825	Ant2	100	0	0
n40	5755	Ant1	100	0	0
n40	5795	Ant1	100	0	0
n40	5755	Ant2	100	0	0
n40	5795	Ant2	100	0	0
ac20	5745	Ant1	100	0	0
ac20	5785	Ant1	100	0	0
ac20	5825	Ant1	100	0	0
ac20	5745	Ant2	100	0	0
ac20	5785	Ant2	100	0	0
ac20	5825	Ant2	100	0	0
ac40	5755	Ant1	100	0	0
ac40	5795	Ant1	100	0	0
ac40	5755	Ant2	100	0	0
ac40	5795	Ant2	100	0	0
ac80	5775	Ant1	100	0	0
ac80	5775	Ant2	100	0	0



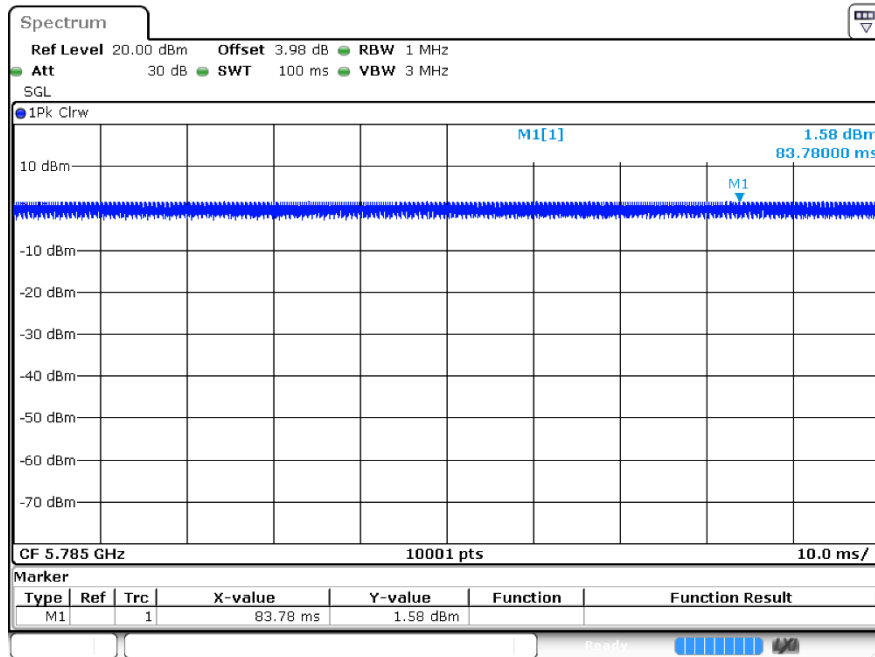
1.2 Test Graphs



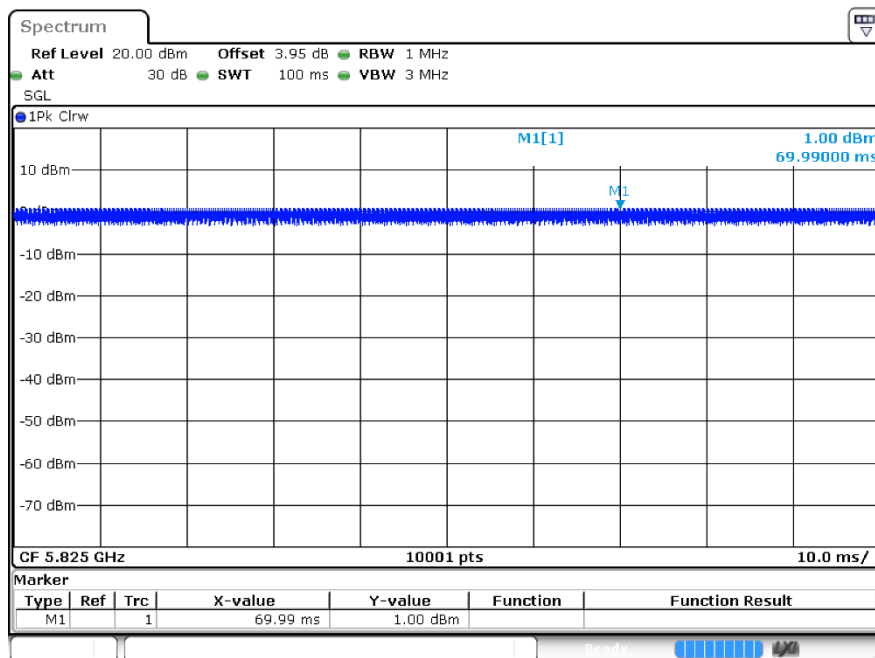


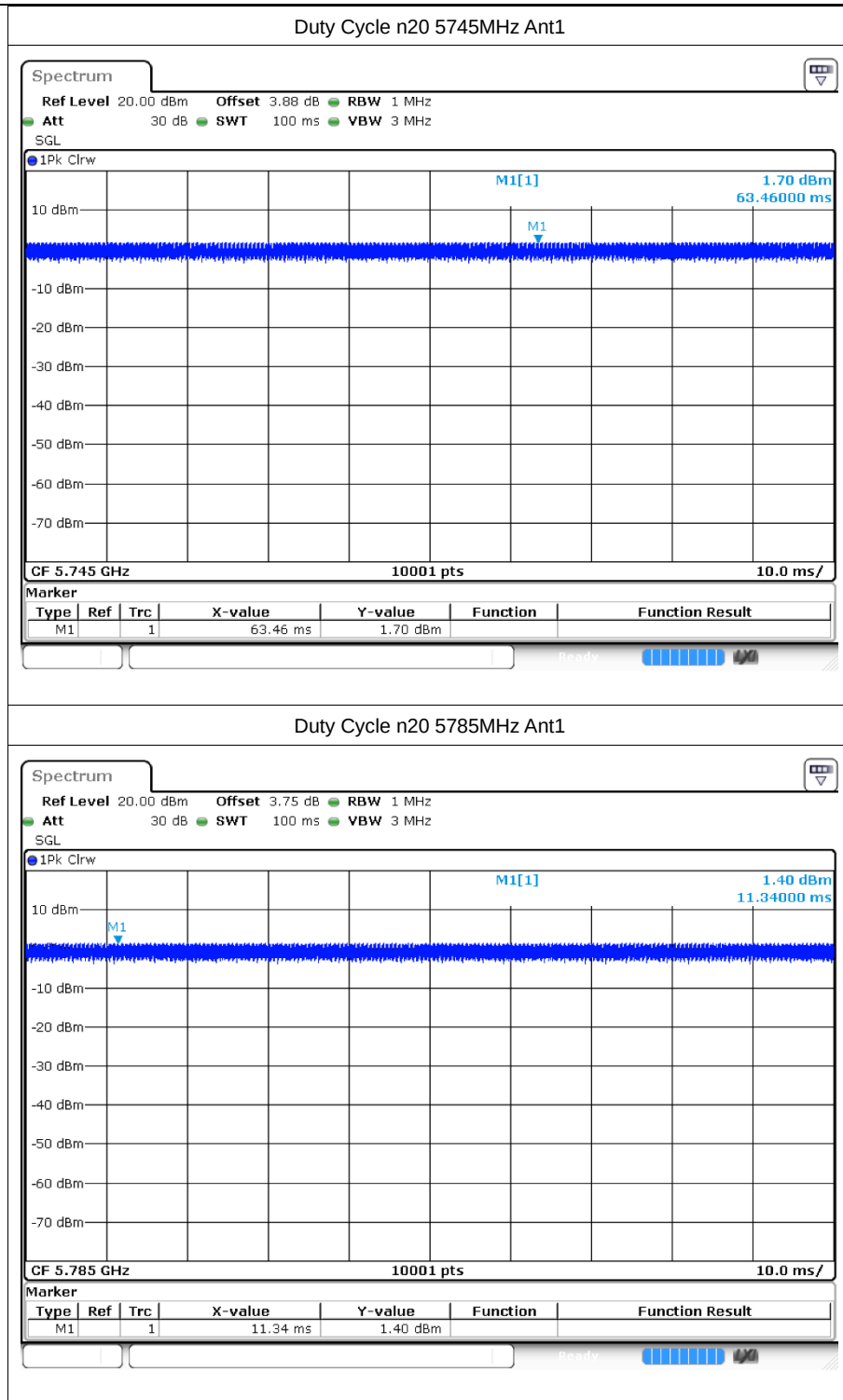


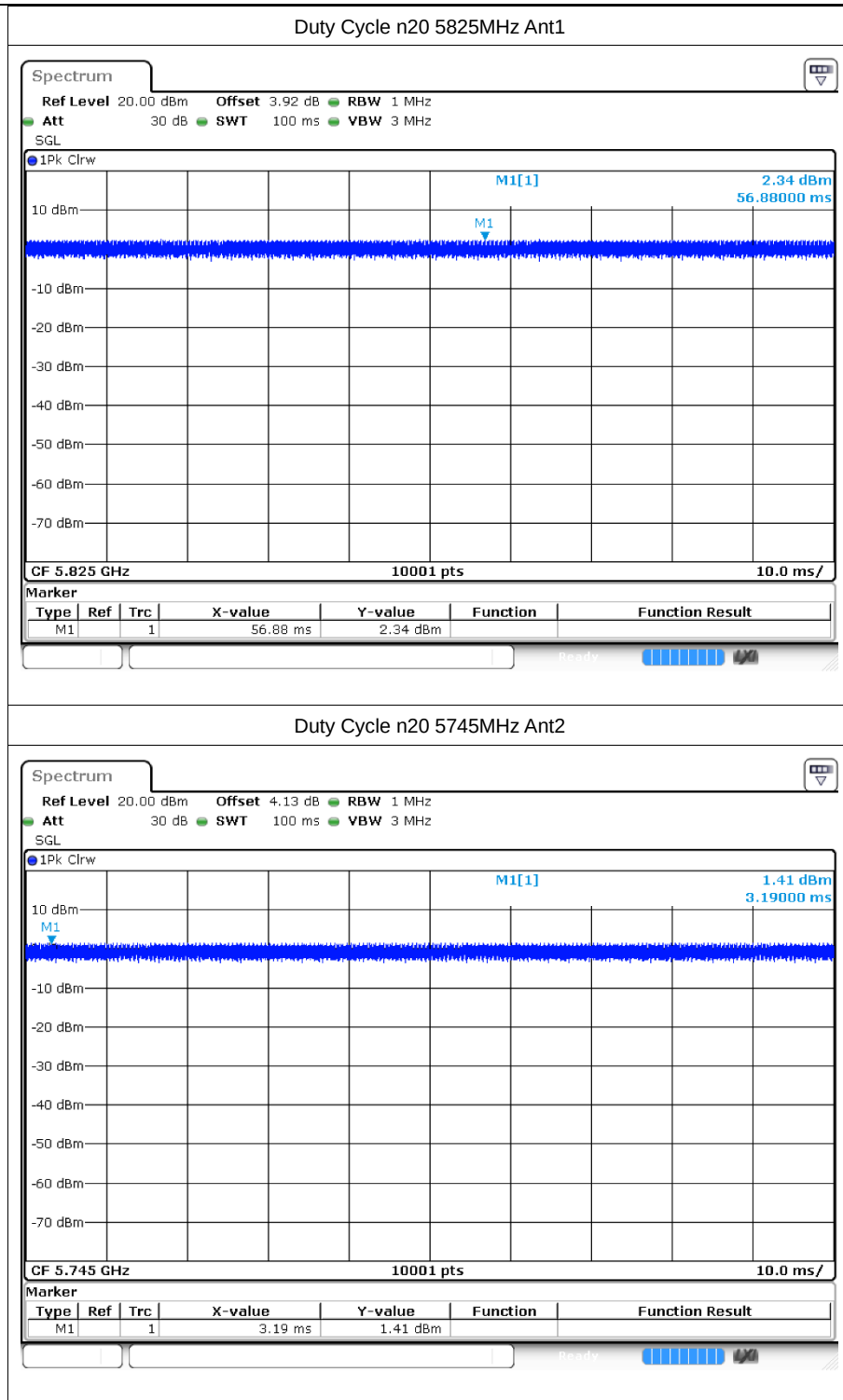
Duty Cycle a 5785MHz Ant2

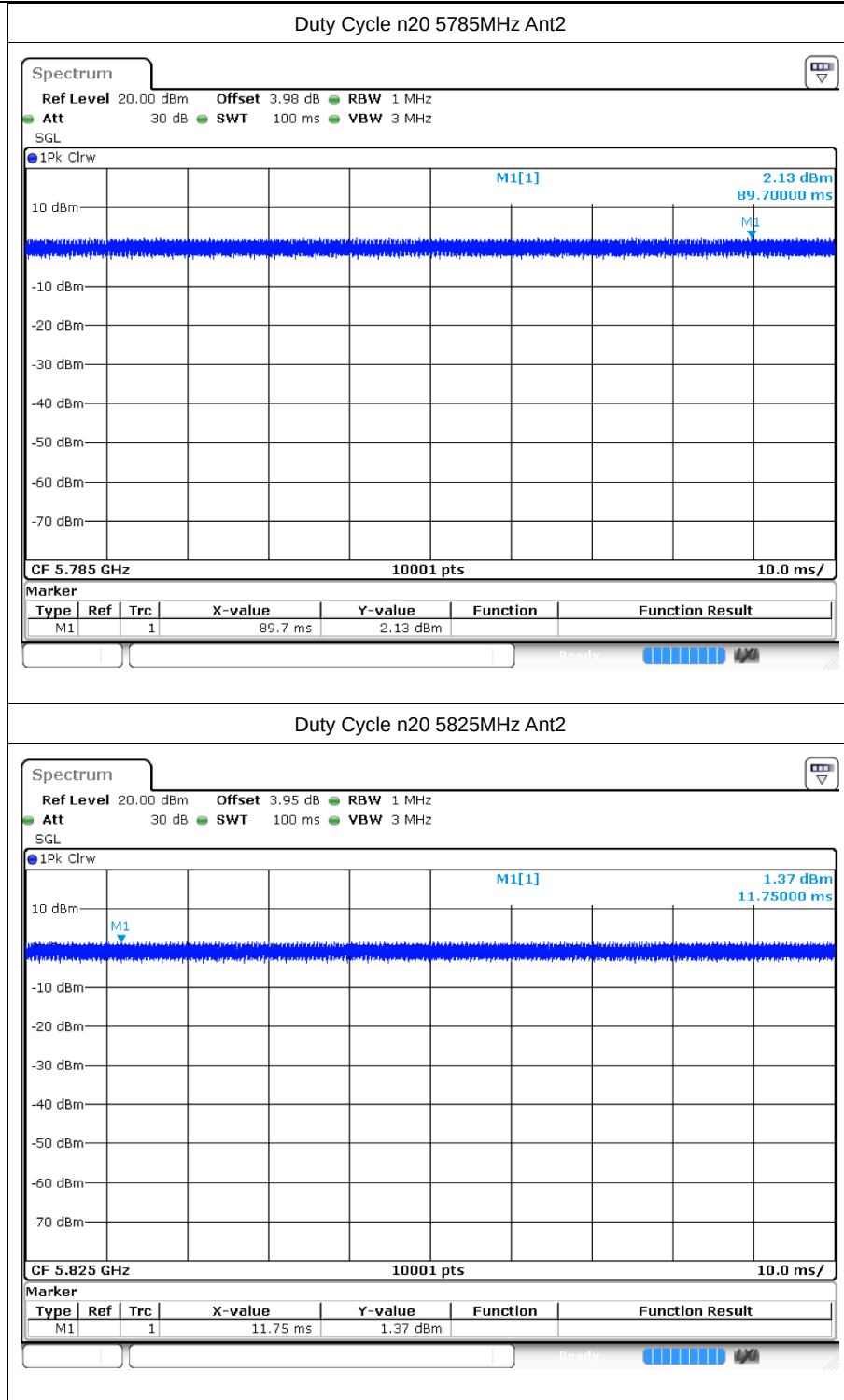


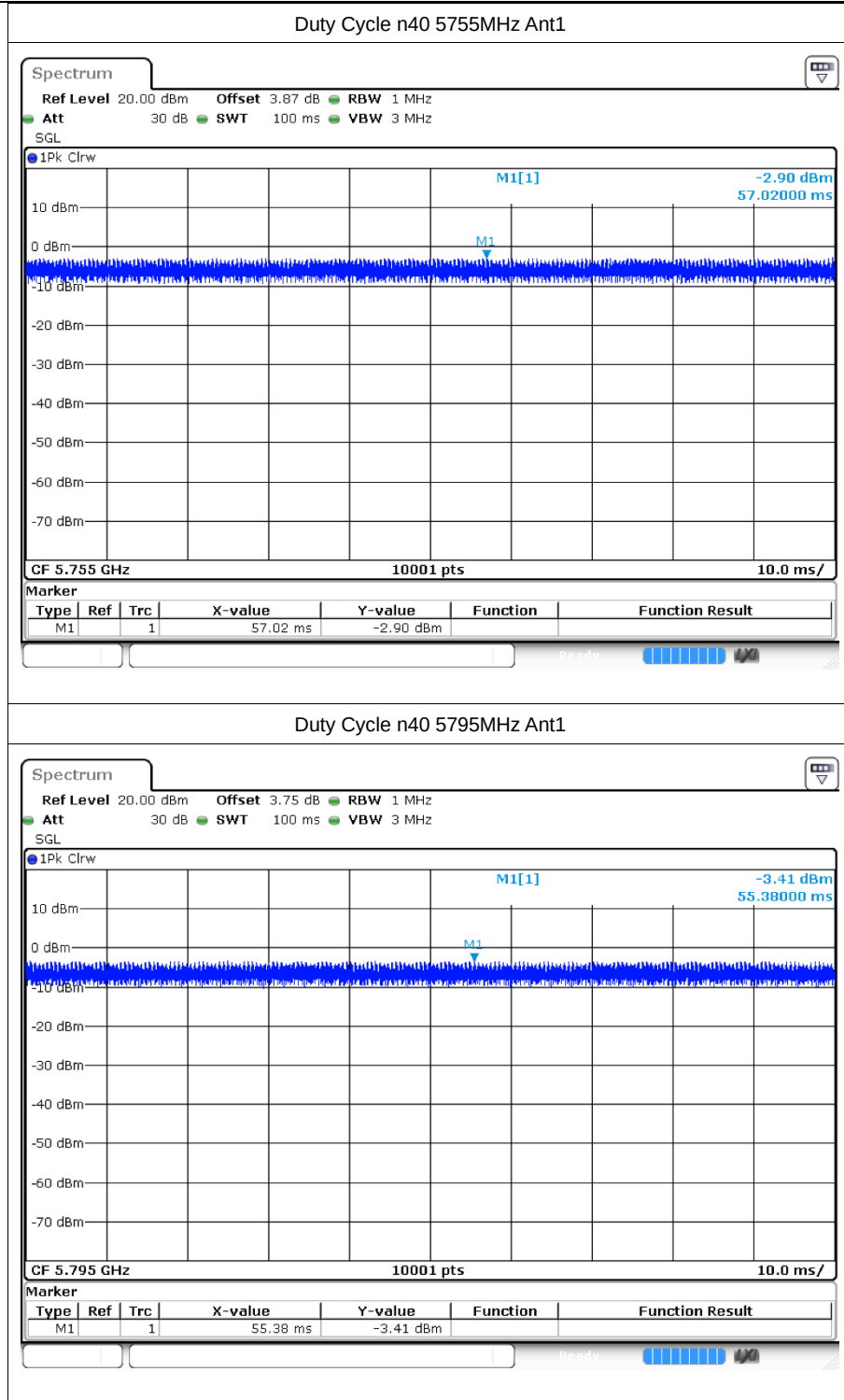
Duty Cycle a 5825MHz Ant2

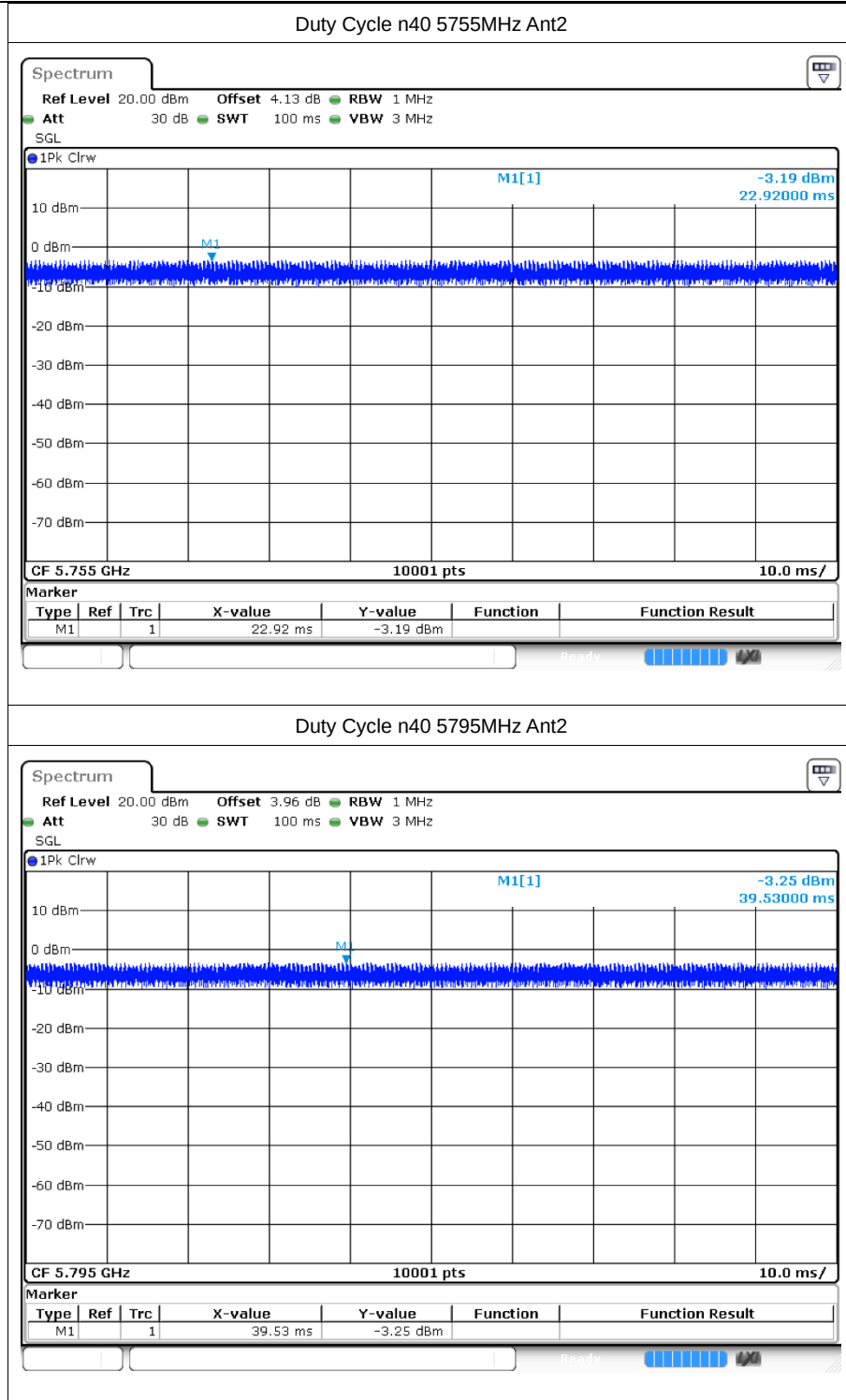




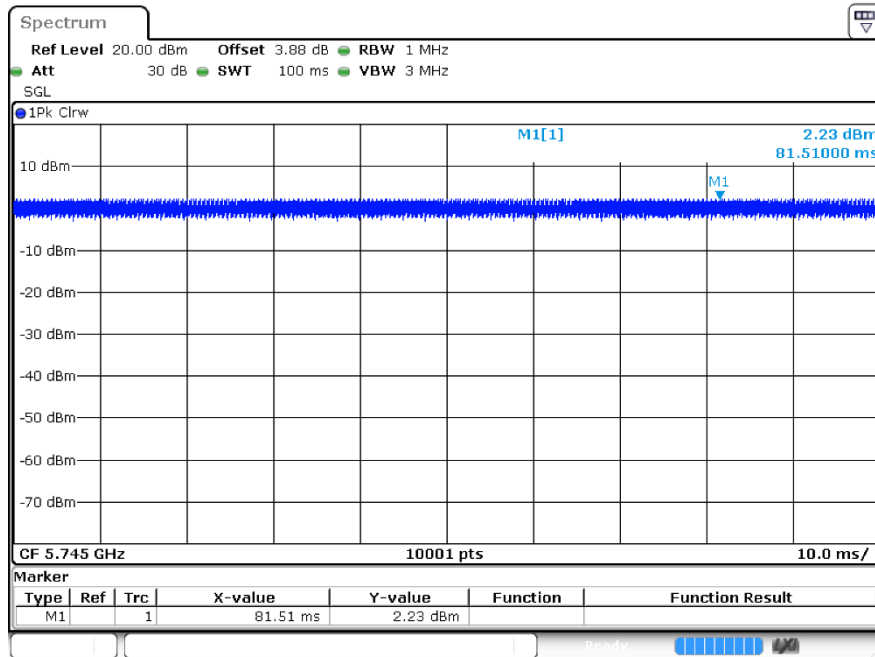




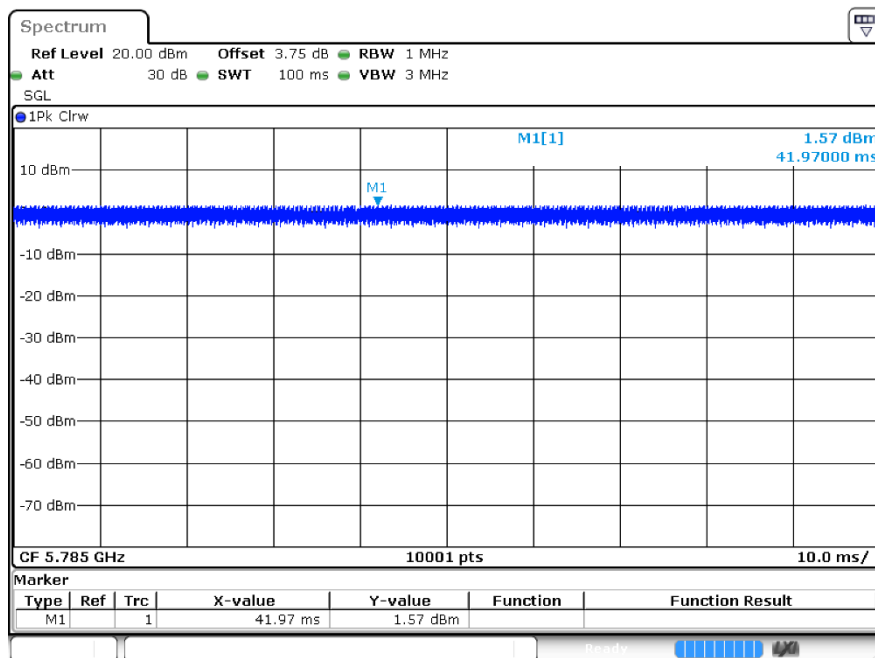


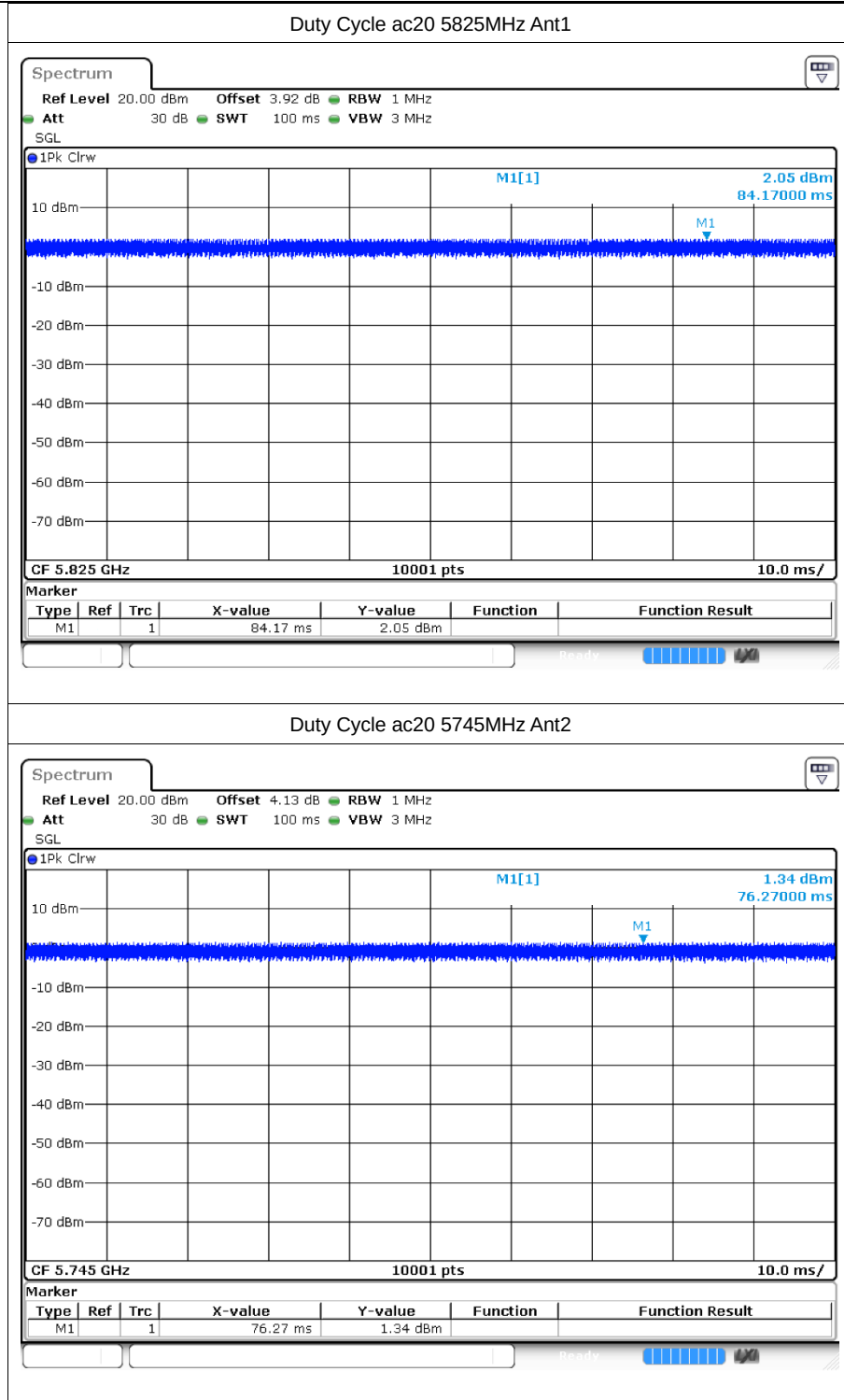


Duty Cycle ac20 5745MHz Ant1

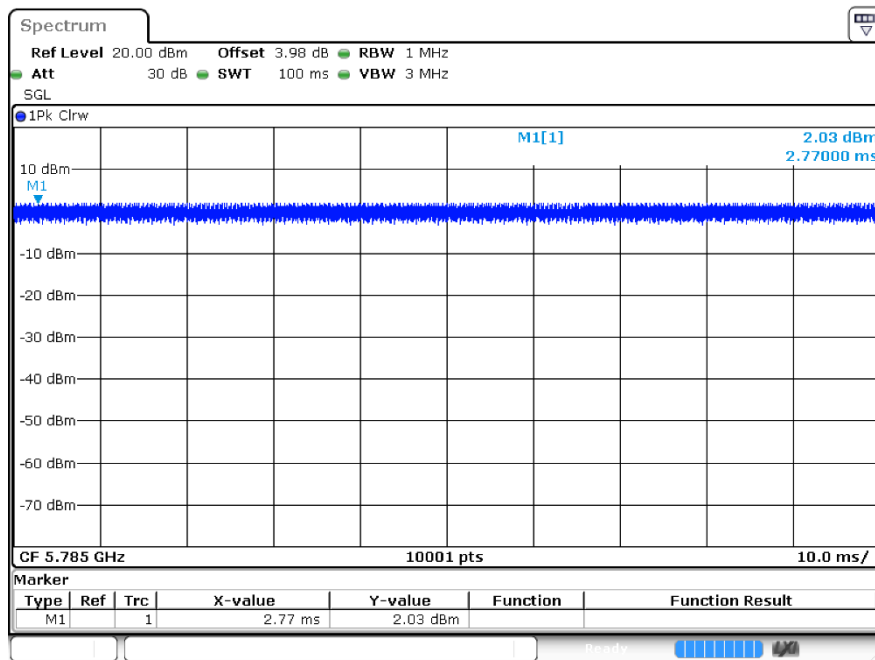


Duty Cycle ac20 5785MHz Ant1

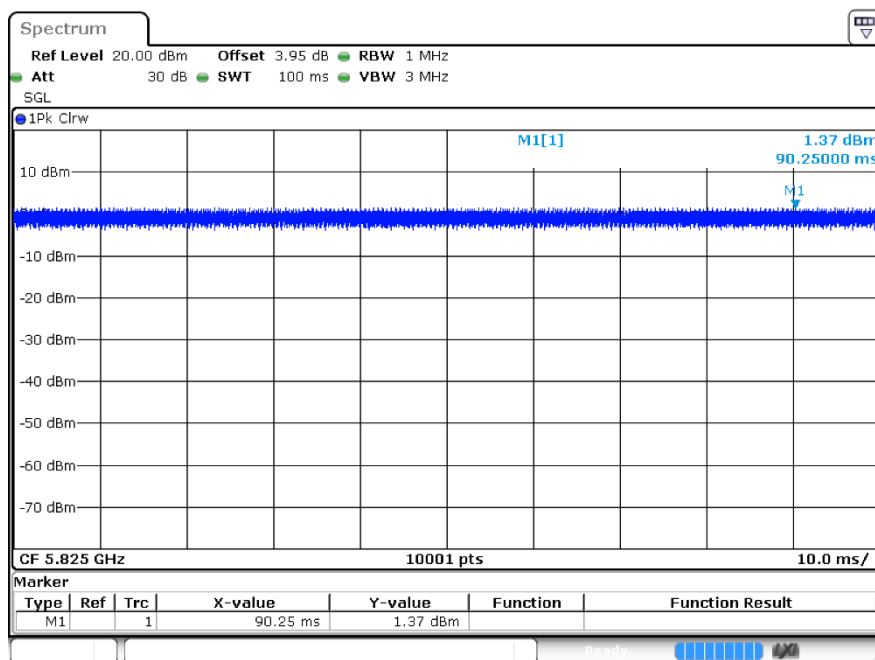




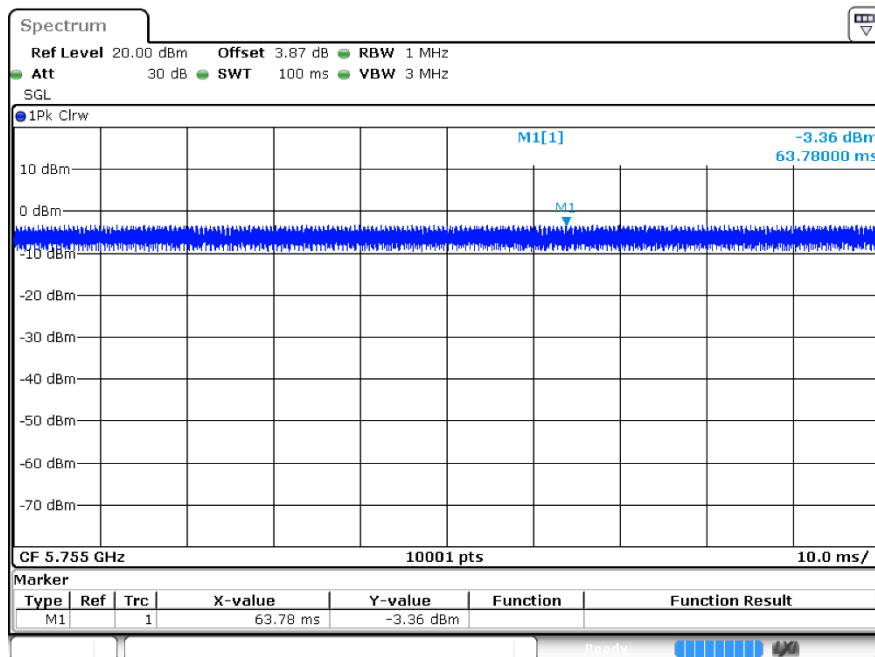
Duty Cycle ac20 5785MHz Ant2



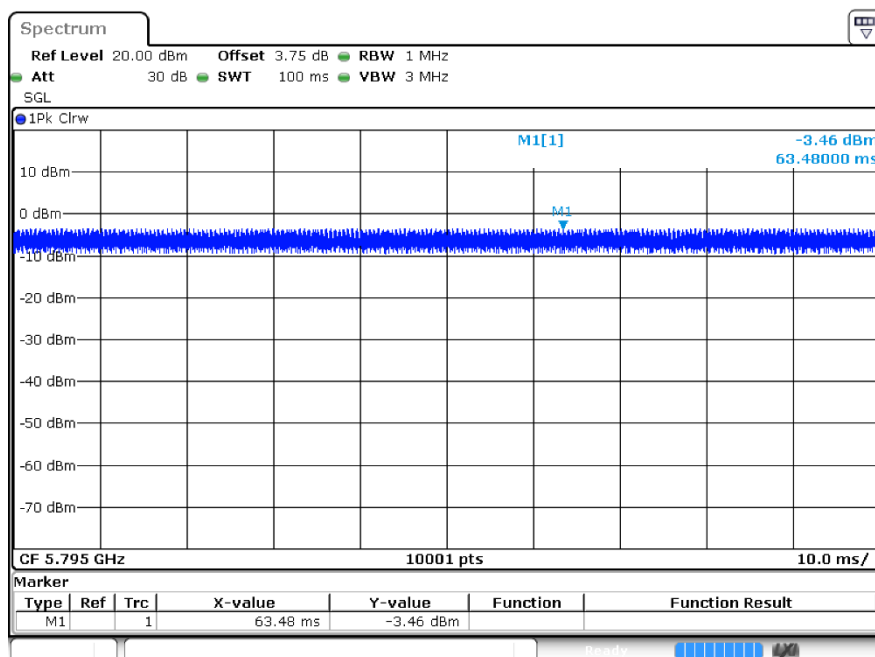
Duty Cycle ac20 5825MHz Ant2



Duty Cycle ac40 5755MHz Ant1

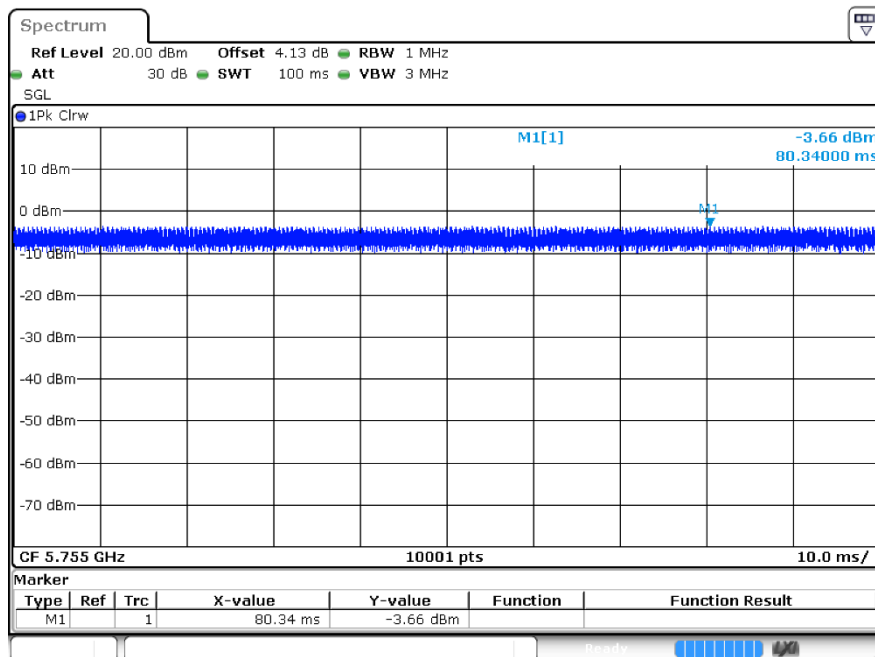


Duty Cycle ac40 5795MHz Ant1

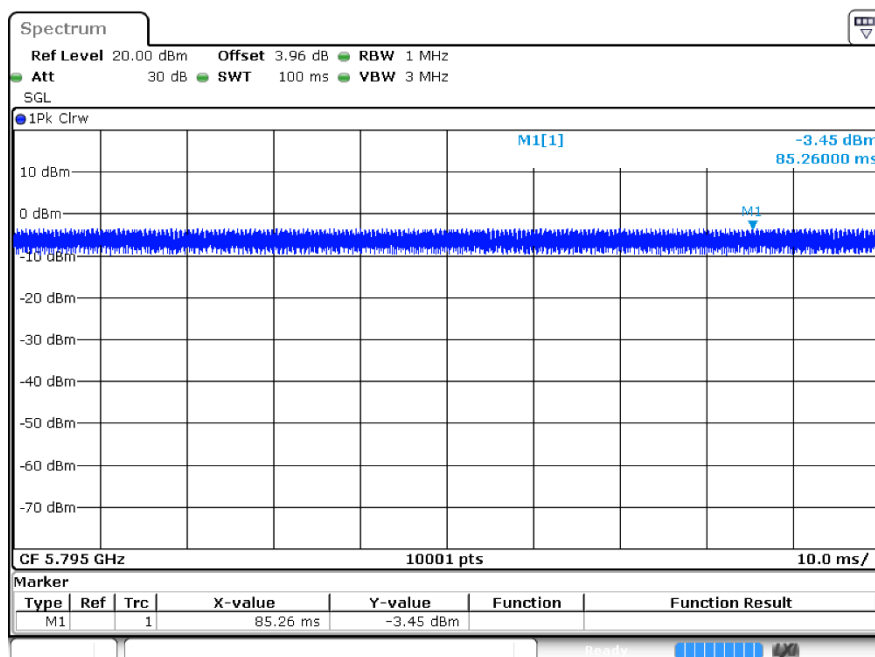




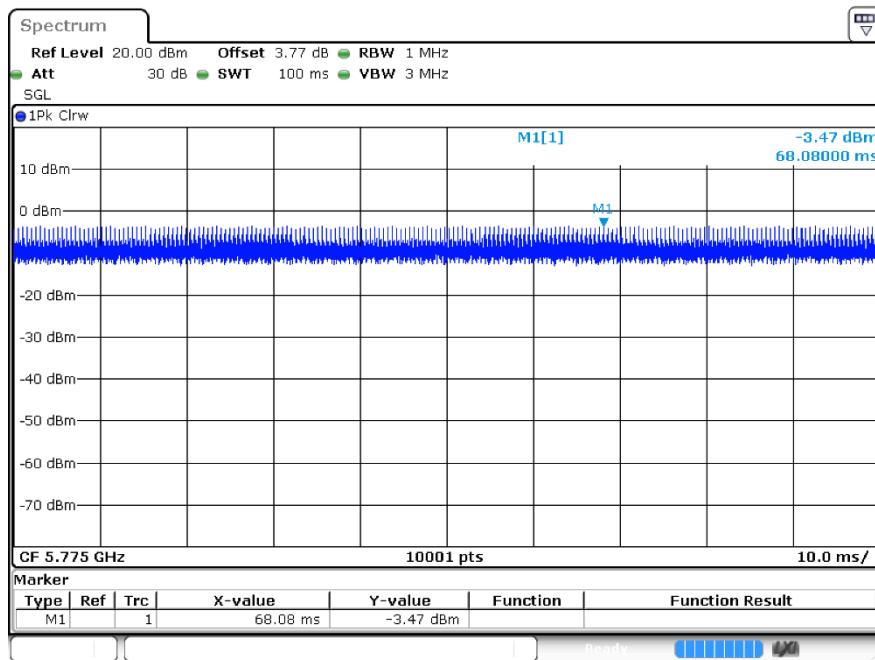
Duty Cycle ac40 5755MHz Ant2



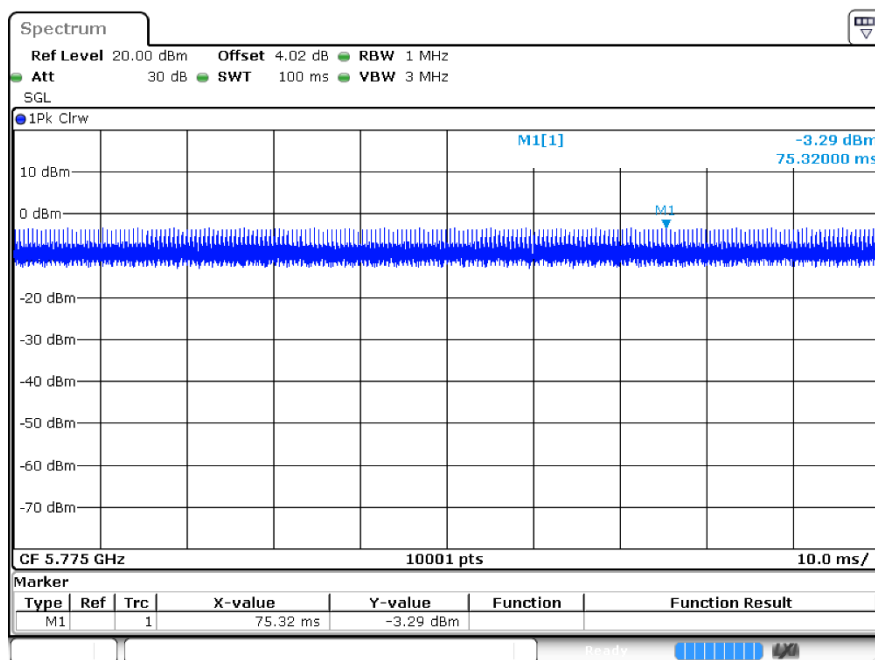
Duty Cycle ac40 5795MHz Ant2



Duty Cycle ac80 5775MHz Ant1



Duty Cycle ac80 5775MHz Ant2



2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
a	5745	Ant1	11.76	30	Pass
a	5785	Ant1	11.42	30	Pass
a	5825	Ant1	11.95	30	Pass
a	5745	Ant2	11.3	30	Pass
a	5785	Ant2	11.23	30	Pass
a	5825	Ant2	10.5	30	Pass
n20	5745	Ant1	11.7	30	Pass
n20	5785	Ant1	10.79	30	Pass
n20	5825	Ant1	11.56	30	Pass
n20	5745	Ant2	11.04	30	Pass
n20	5785	Ant2	11.33	30	Pass
n20	5825	Ant2	10.65	30	Pass
n40	5755	Ant1	11.18	30	Pass
n40	5795	Ant1	10.55	30	Pass
n40	5755	Ant2	10.81	30	Pass
n40	5795	Ant2	10.69	30	Pass
ac20	5745	Ant1	11.65	30	Pass
ac20	5785	Ant1	10.96	30	Pass
ac20	5825	Ant1	11.4	30	Pass
ac20	5745	Ant2	10.83	30	Pass
ac20	5785	Ant2	11.11	30	Pass
ac20	5825	Ant2	10.55	30	Pass
ac40	5755	Ant1	10.9	30	Pass
ac40	5795	Ant1	10.73	30	Pass
ac40	5755	Ant2	10.82	30	Pass
ac40	5795	Ant2	10.76	30	Pass
ac80	5775	Ant1	10.46	30	Pass
ac80	5775	Ant2	10.06	30	Pass
n20	5745	Sum	14.39	30	Pass
n20	5785	Sum	14.08	30	Pass
n20	5825	Sum	14.14	30	Pass
n40	5795	Sum	14.01	30	Pass
n40	5755	Sum	13.63	30	Pass
ac20	5745	Sum	14.27	30	Pass
ac20	5785	Sum	14.05	30	Pass
ac20	5825	Sum	14.01	30	Pass



ac40	5795	Sum	13.87	30	Pass
ac40	5755	Sum	13.76	30	Pass
ac80	5775	Sum	13.76	30	Pass

Note:

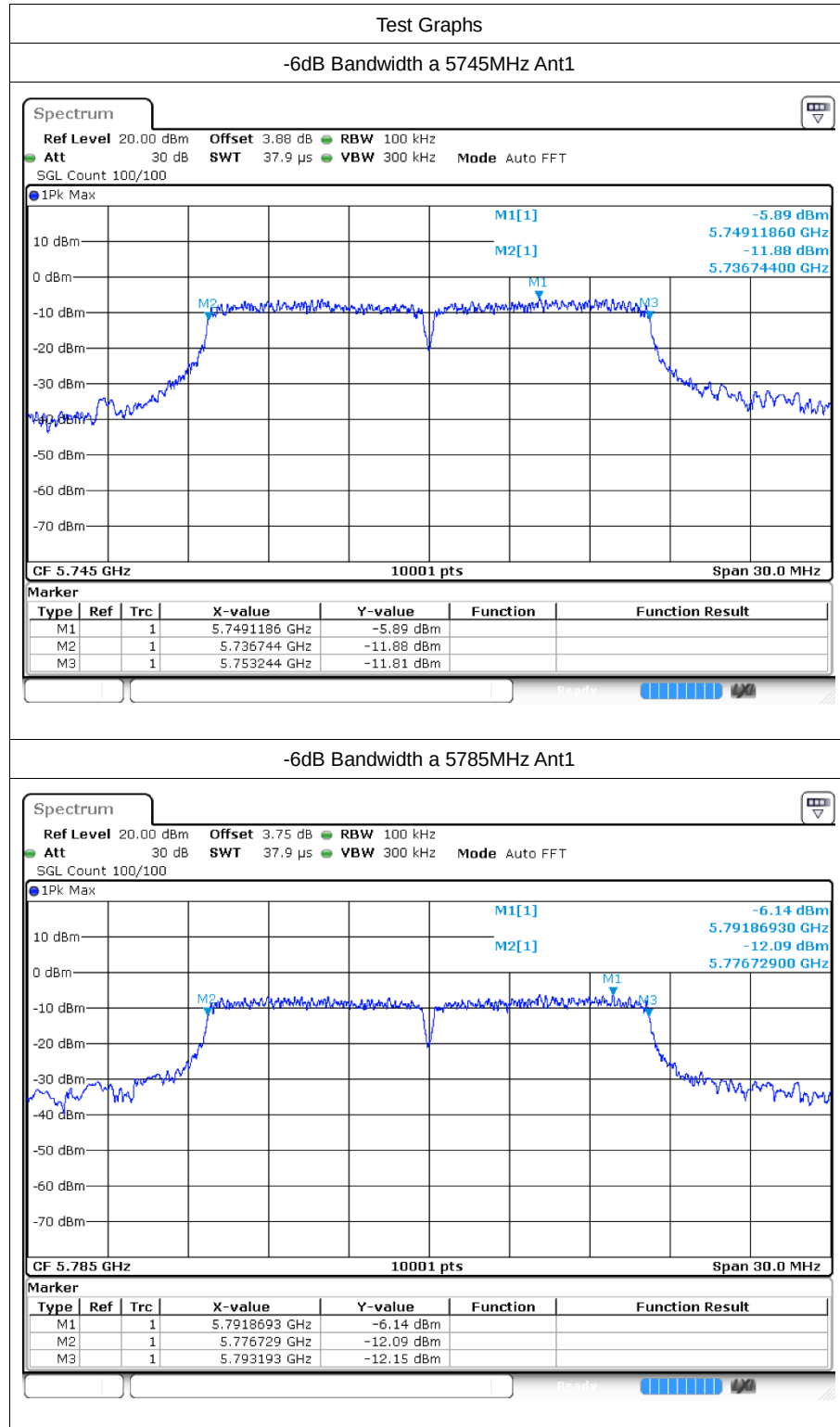
The duty factor has been compensated into the result.

3 -6dB Bandwidth

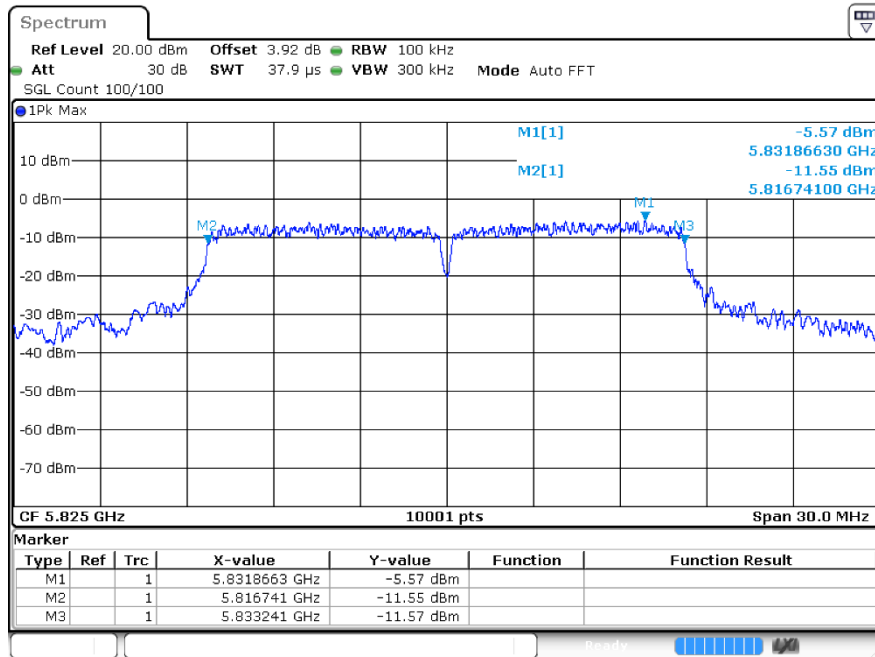
3.1 Test Result

Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
a	5745	Ant1	16.5	0.5	Pass
a	5785	Ant1	16.464	0.5	Pass
a	5825	Ant1	16.5	0.5	Pass
n20	5745	Ant1	17.685	0.5	Pass
n20	5785	Ant1	17.607	0.5	Pass
n20	5825	Ant1	17.604	0.5	Pass
n40	5755	Ant1	36.336	0.5	Pass
n40	5795	Ant1	36.372	0.5	Pass
ac20	5745	Ant1	17.667	0.5	Pass
ac20	5785	Ant1	17.61	0.5	Pass
ac20	5825	Ant1	17.616	0.5	Pass
ac40	5755	Ant1	36.336	0.5	Pass
ac40	5795	Ant1	36.342	0.5	Pass
ac80	5775	Ant1	76.044	0.5	Pass
a	5745	Ant2	16.527	0.5	Pass
a	5785	Ant2	16.533	0.5	Pass
a	5825	Ant2	16.53	0.5	Pass
n20	5745	Ant2	17.628	0.5	Pass
n20	5785	Ant2	17.637	0.5	Pass
n20	5825	Ant2	17.595	0.5	Pass
n40	5755	Ant2	36.384	0.5	Pass
n40	5795	Ant2	36.348	0.5	Pass
ac20	5745	Ant2	17.604	0.5	Pass
ac20	5785	Ant2	17.61	0.5	Pass
ac20	5825	Ant2	17.646	0.5	Pass
ac40	5755	Ant2	36.384	0.5	Pass
ac40	5795	Ant2	36.342	0.5	Pass
ac80	5775	Ant2	75.996	0.5	Pass

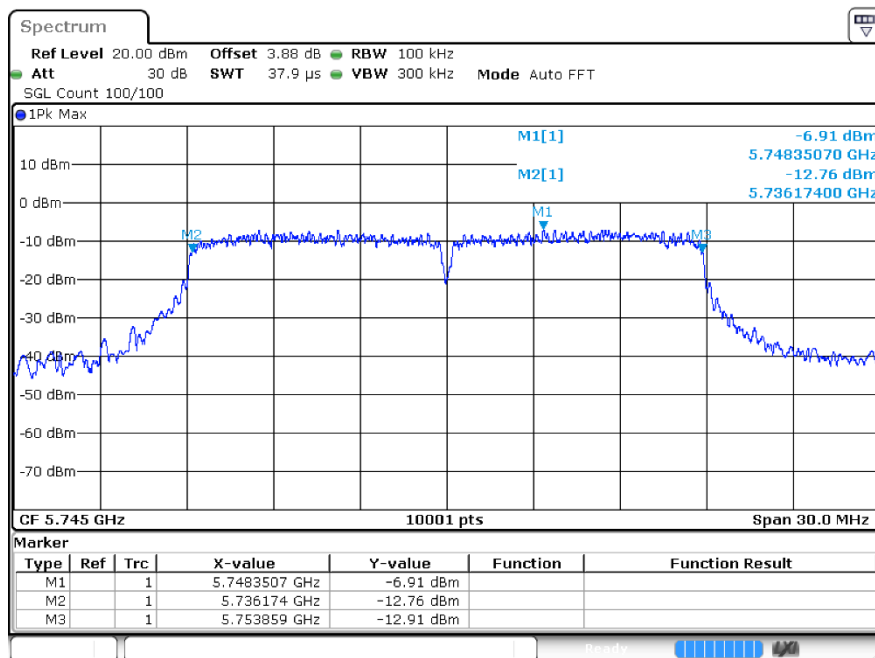
3.2 Test Graphs



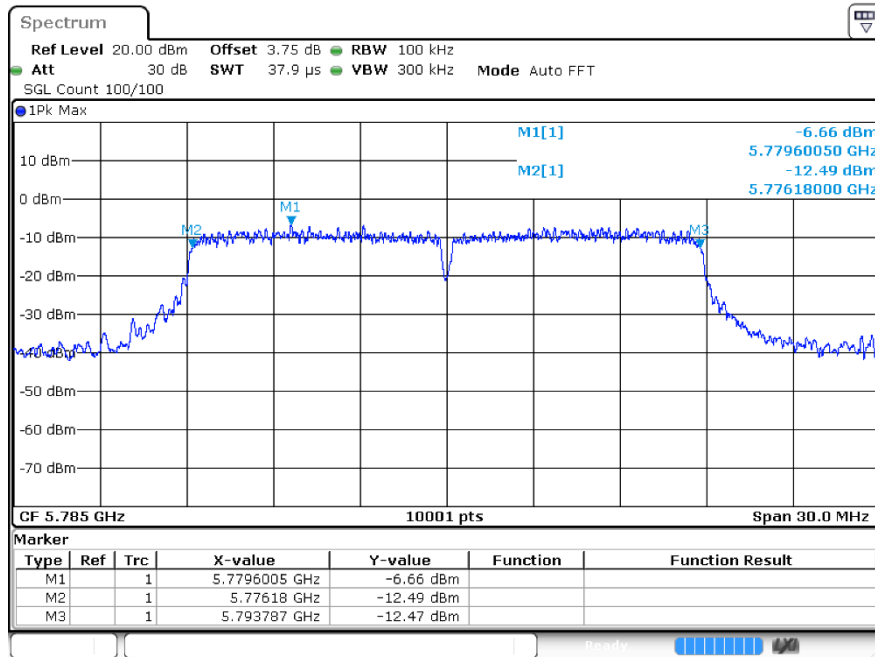
-6dB Bandwidth a 5825MHz Ant1



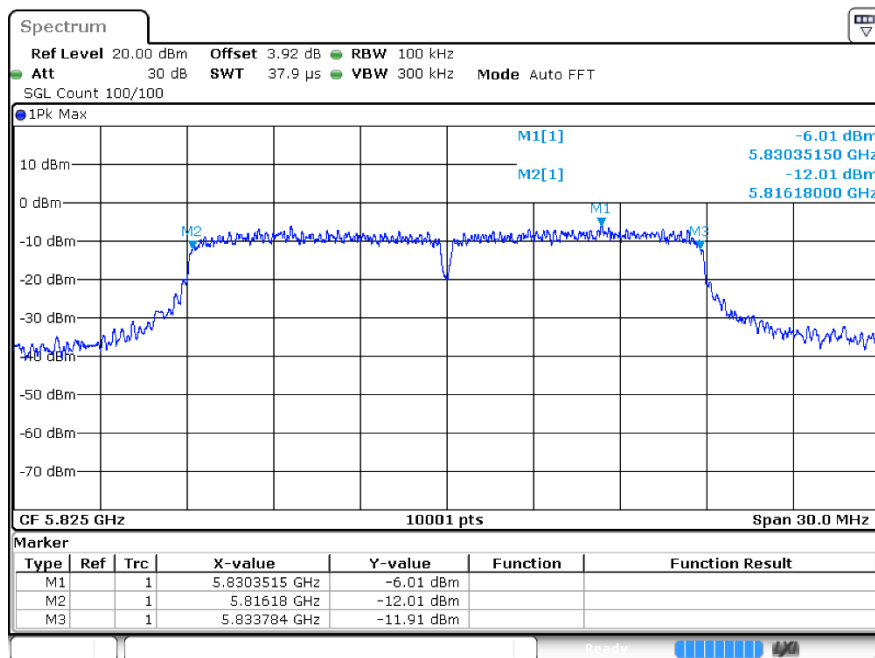
-6dB Bandwidth n20 5745MHz Ant1



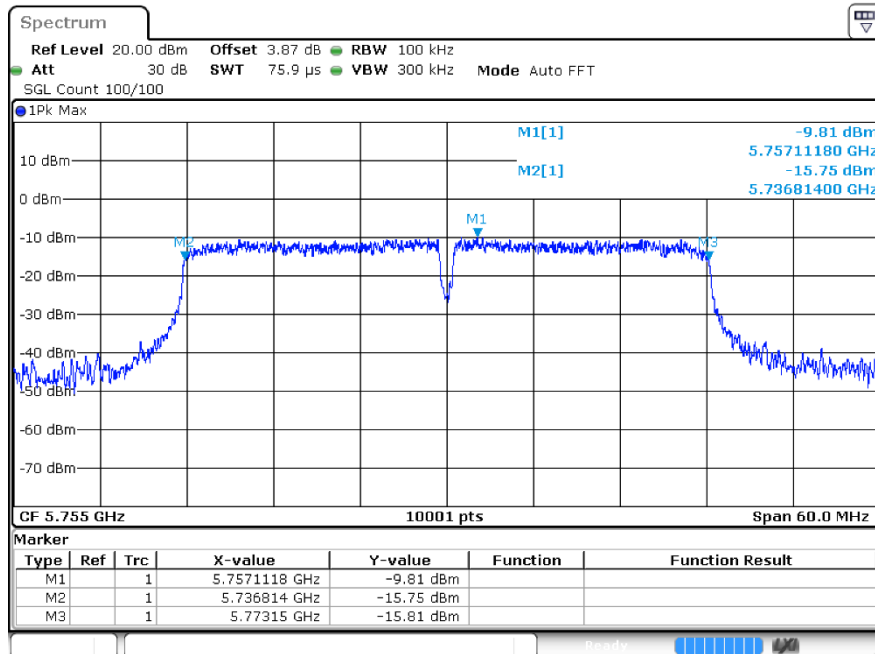
-6dB Bandwidth n20 5785MHz Ant1



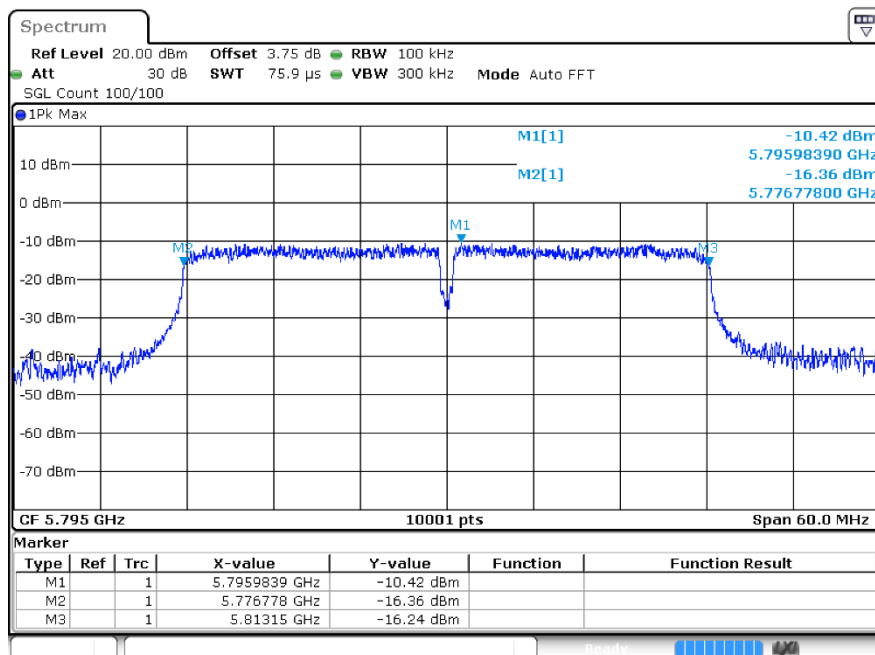
-6dB Bandwidth n20 5825MHz Ant1



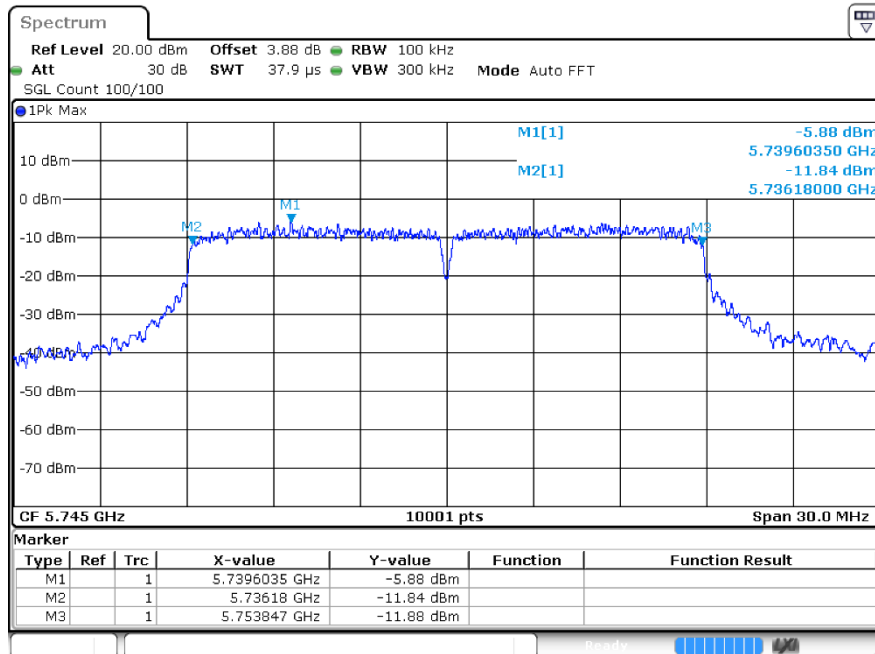
-6dB Bandwidth n40 5755MHz Ant1



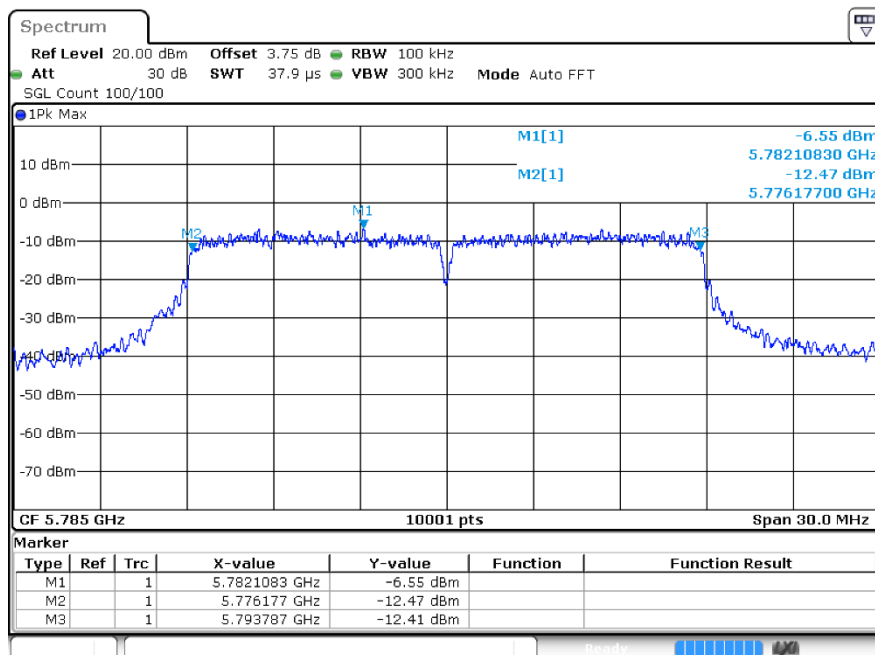
-6dB Bandwidth n40 5795MHz Ant1



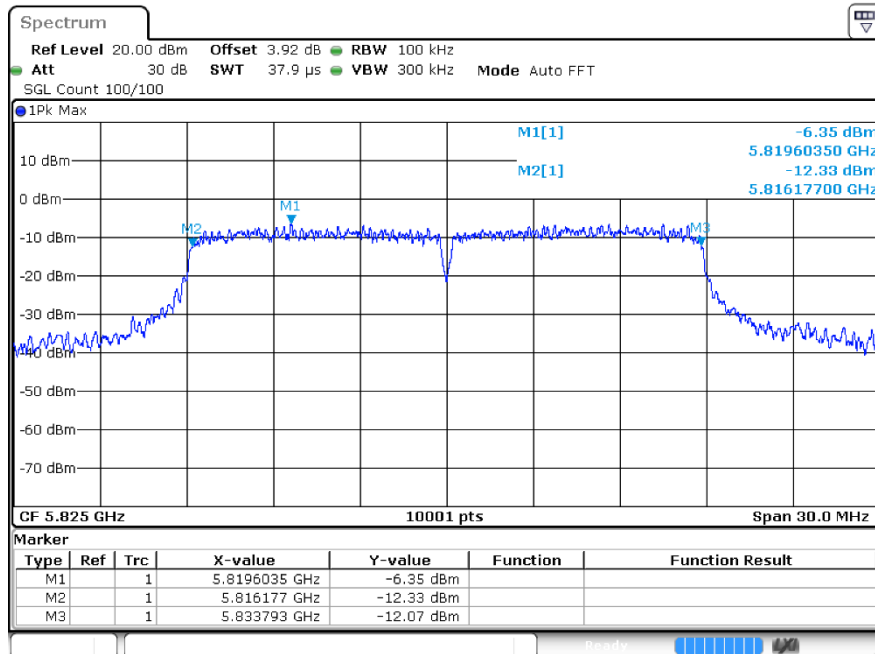
-6dB Bandwidth ac20 5745MHz Ant1



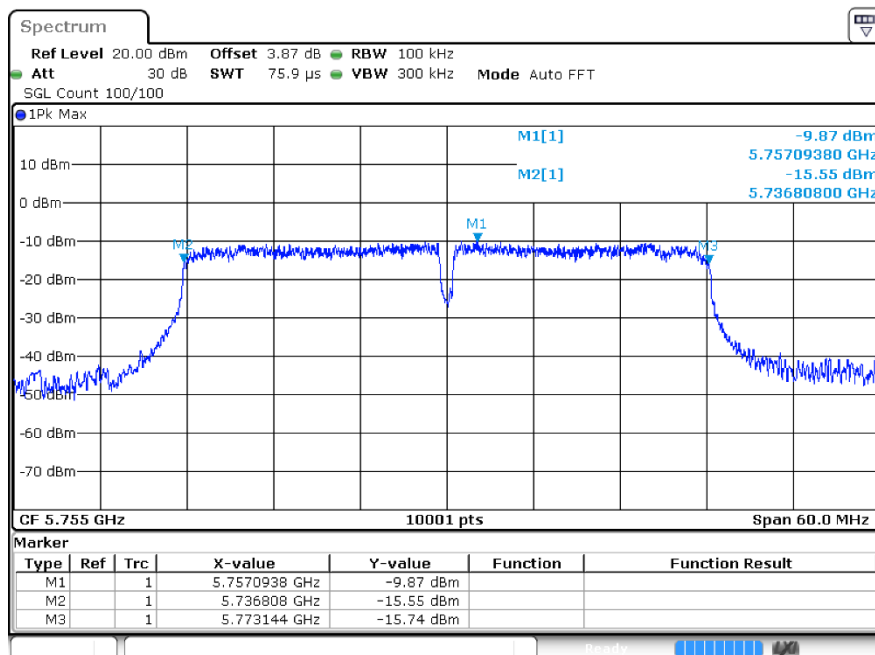
-6dB Bandwidth ac20 5785MHz Ant1



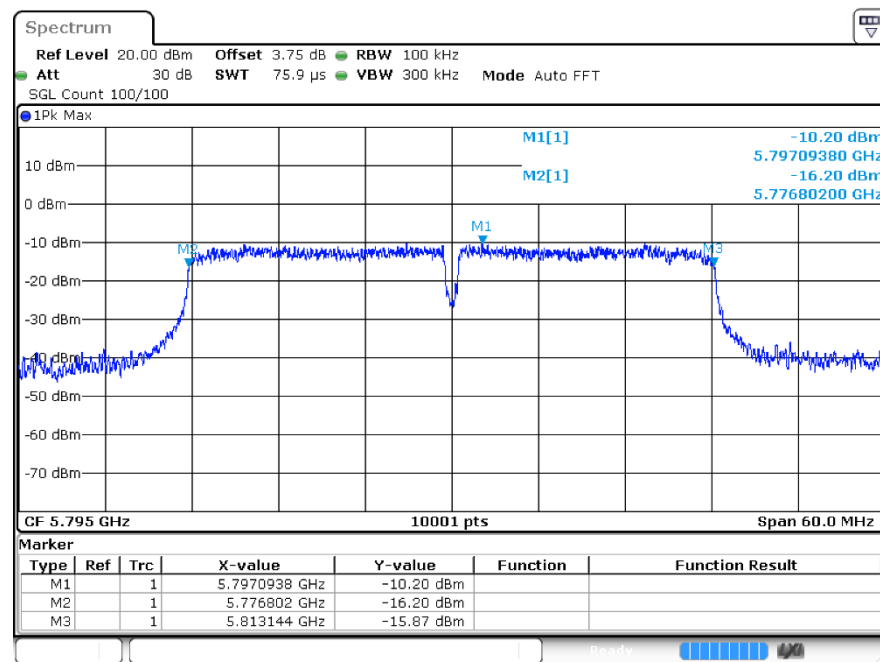
-6dB Bandwidth ac20 5825MHz Ant1



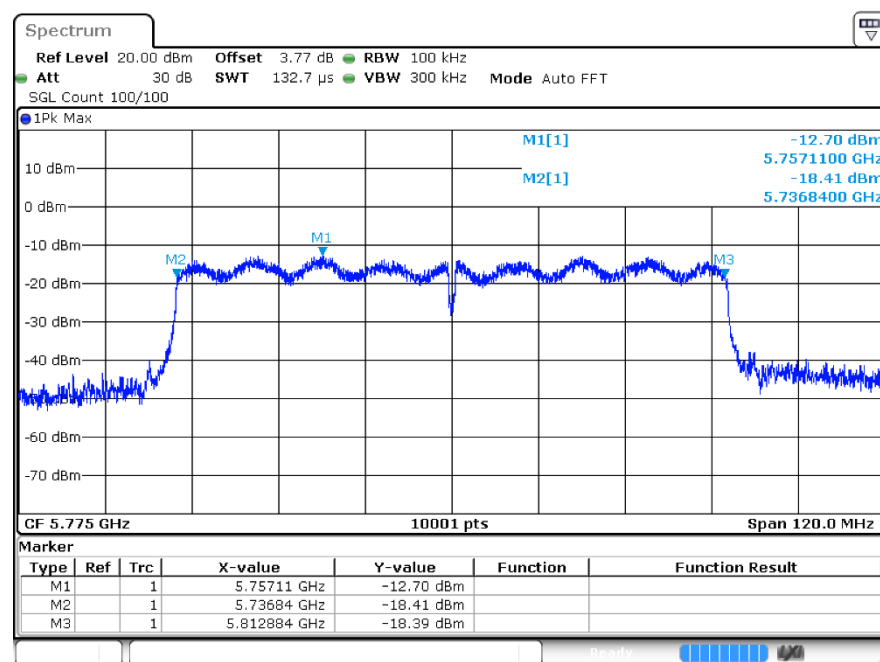
-6dB Bandwidth ac40 5755MHz Ant1



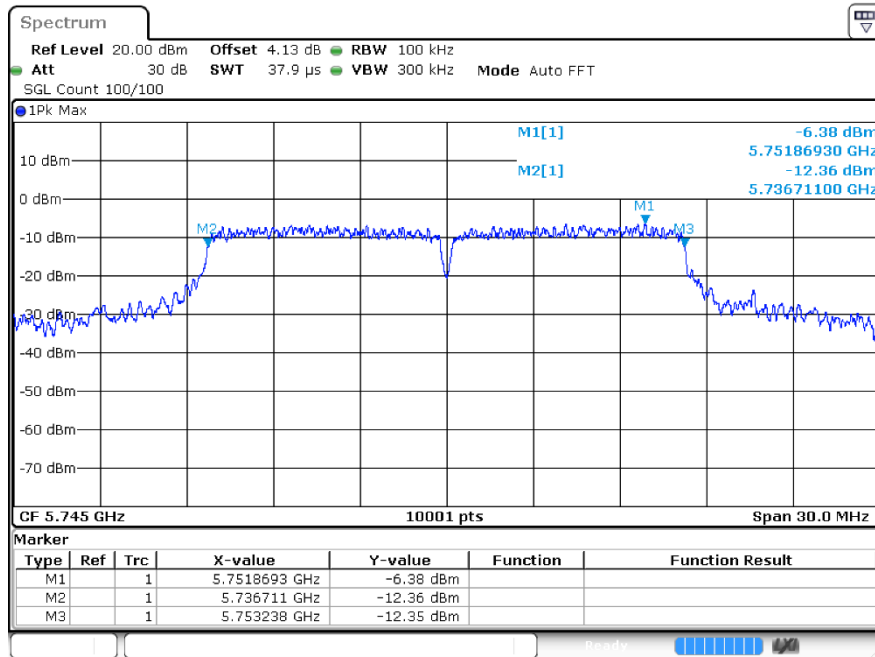
-6dB Bandwidth ac40 5795MHz Ant1



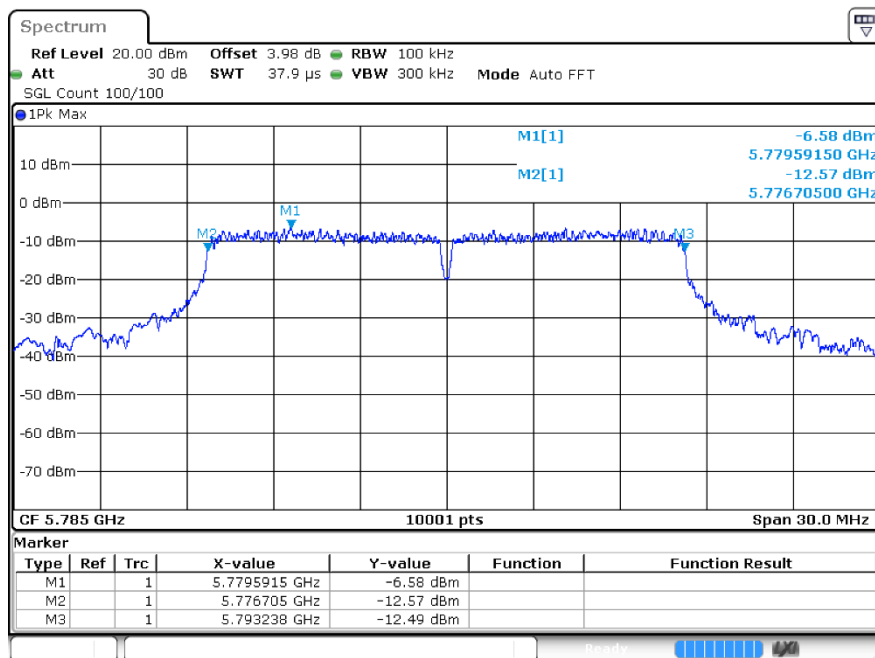
-6dB Bandwidth ac80 5775MHz Ant1



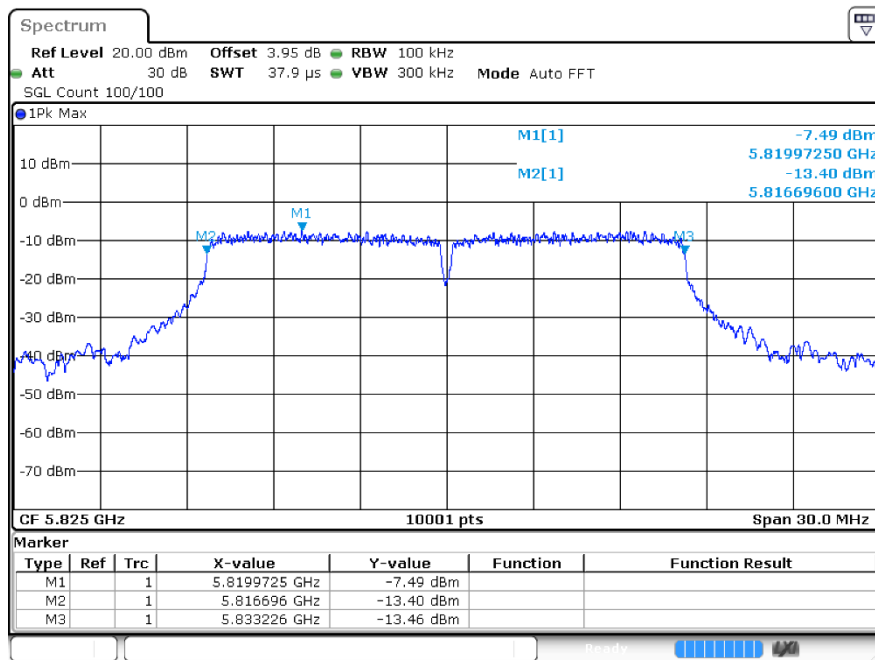
-6dB Bandwidth a 5745MHz Ant2



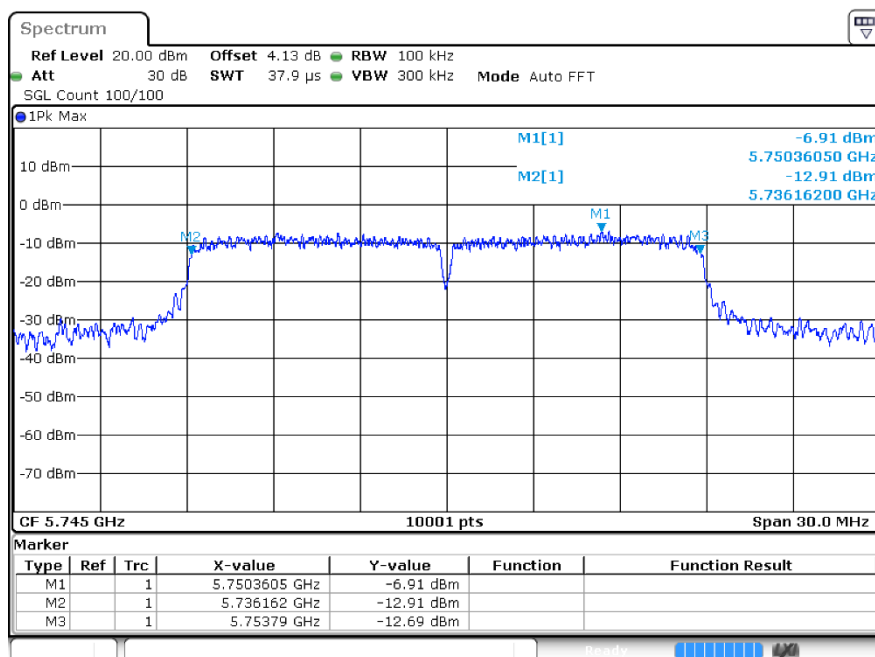
-6dB Bandwidth a 5785MHz Ant2



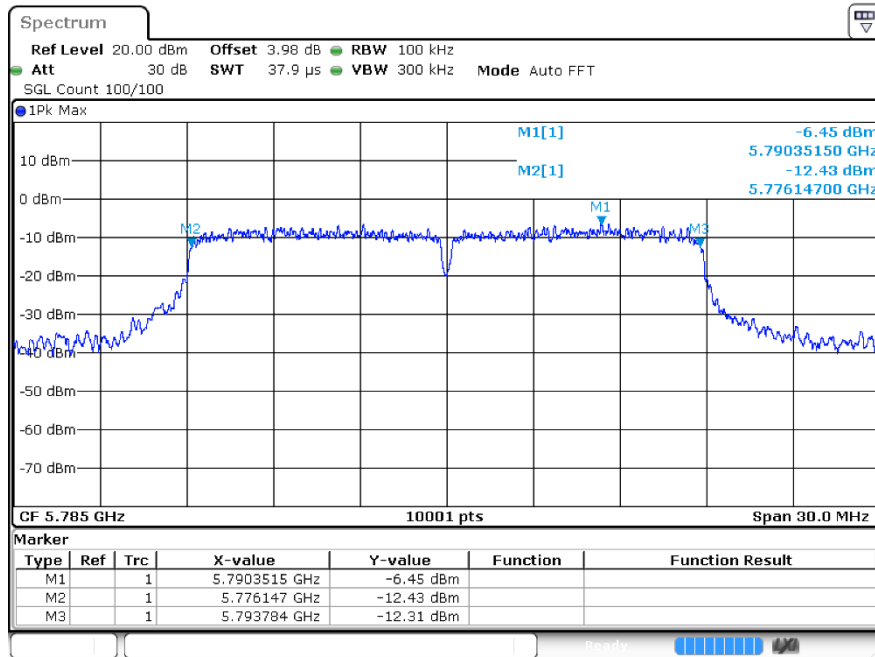
-6dB Bandwidth a 5825MHz Ant2



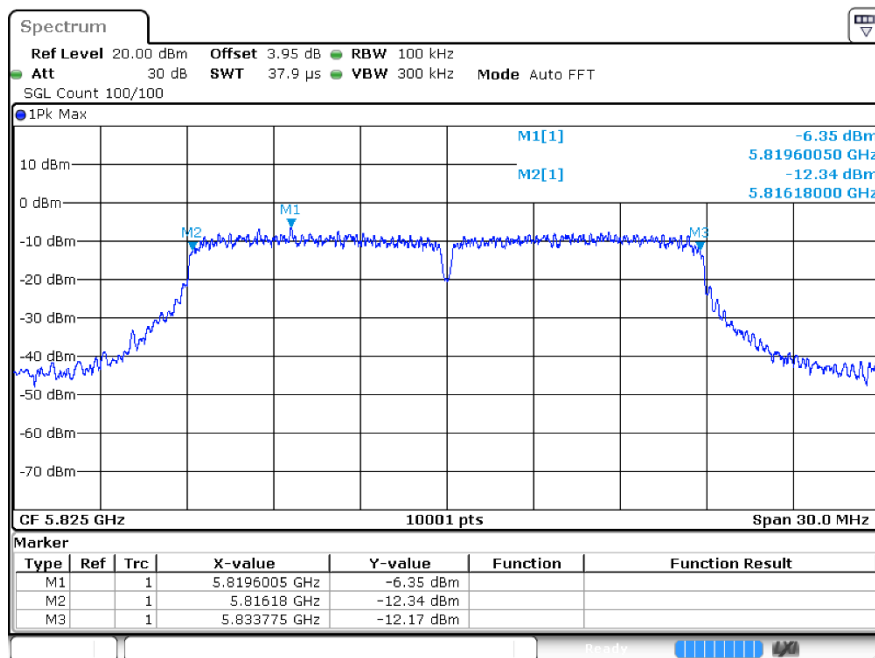
-6dB Bandwidth n20 5745MHz Ant2



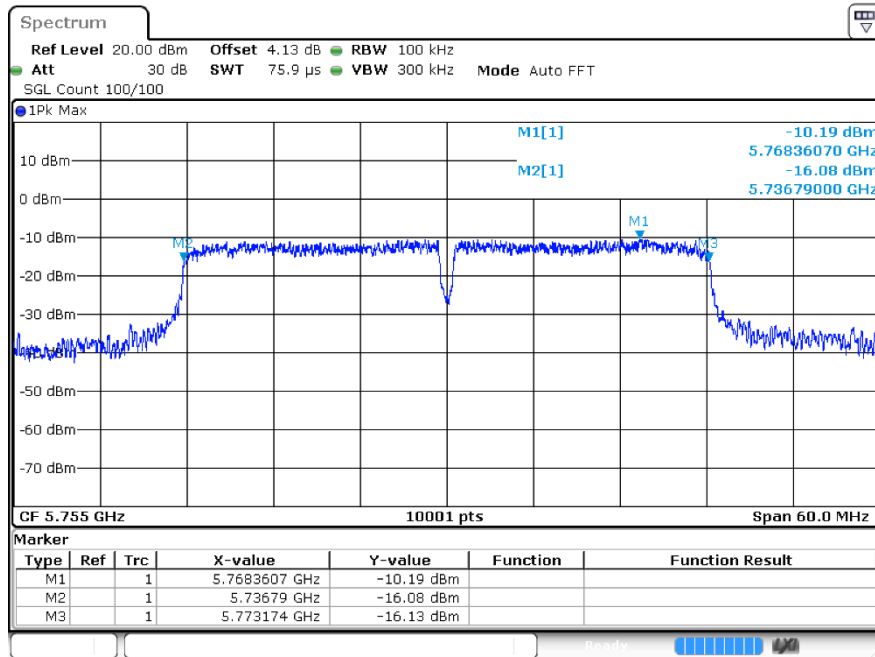
-6dB Bandwidth n20 5785MHz Ant2



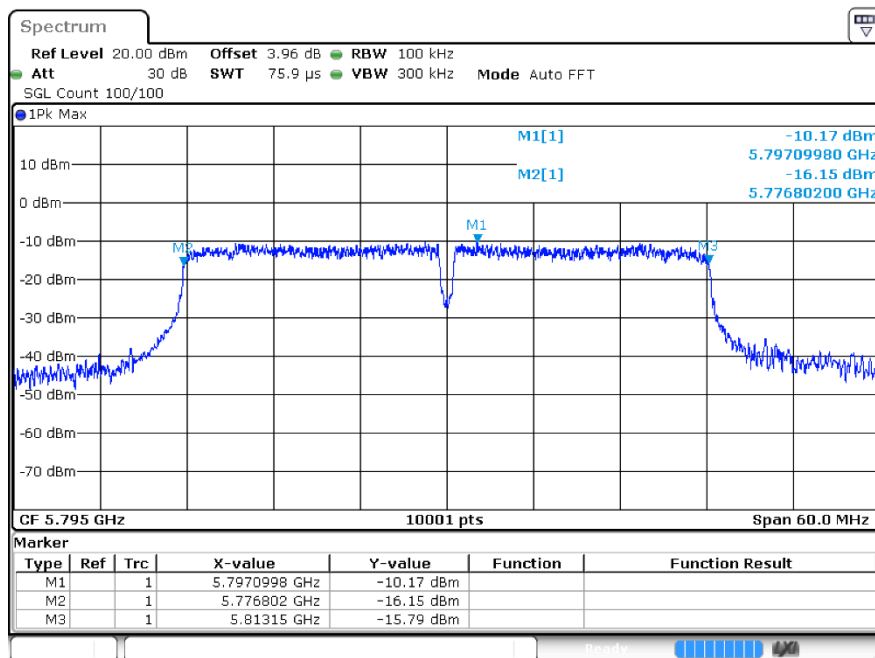
-6dB Bandwidth n20 5825MHz Ant2



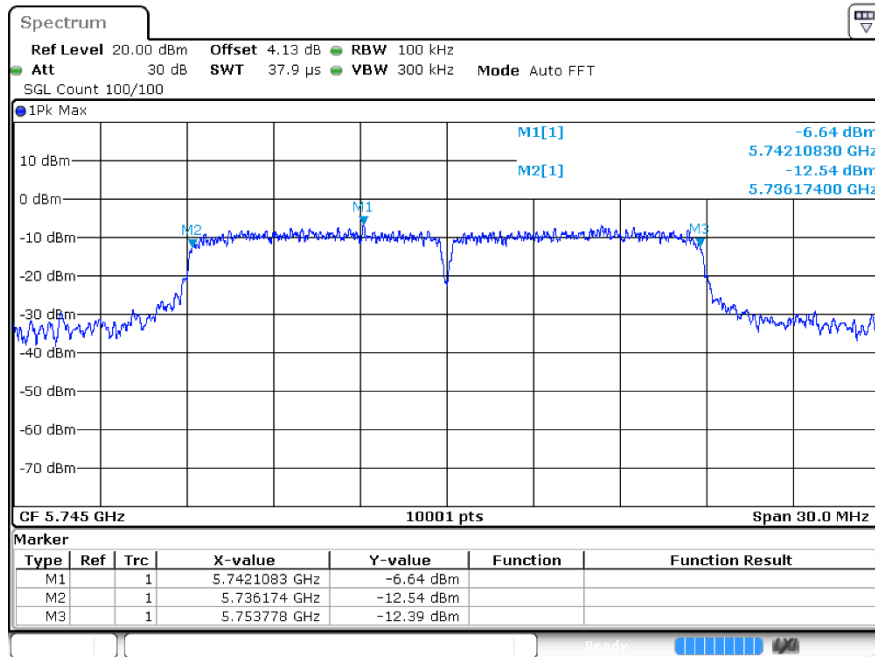
-6dB Bandwidth n40 5755MHz Ant2



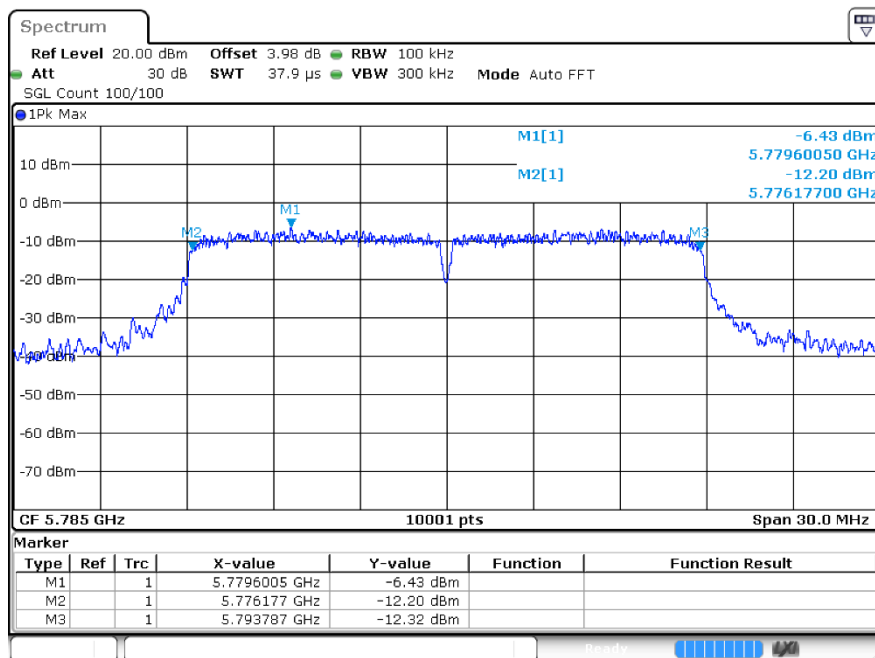
-6dB Bandwidth n40 5795MHz Ant2



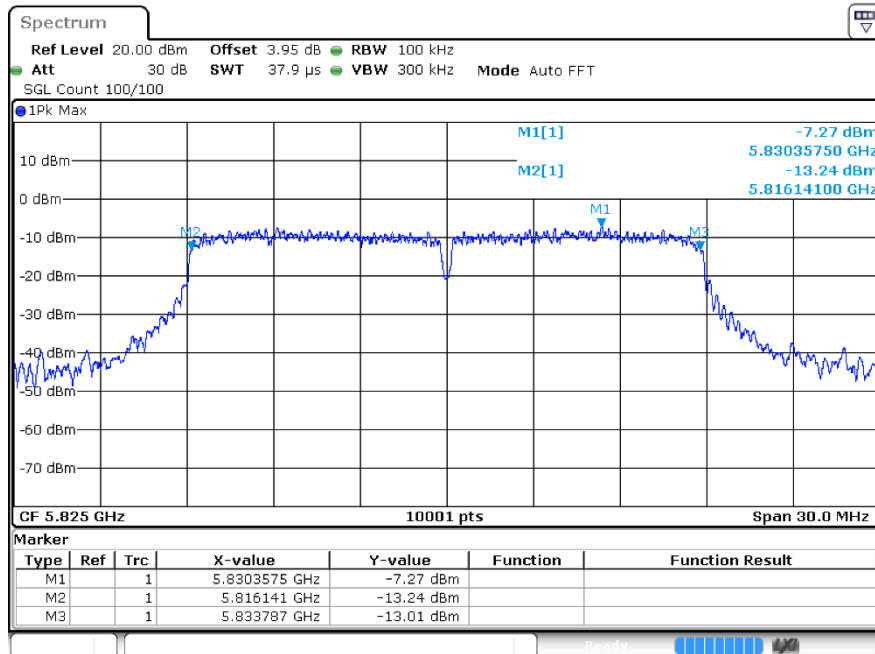
-6dB Bandwidth ac20 5745MHz Ant2



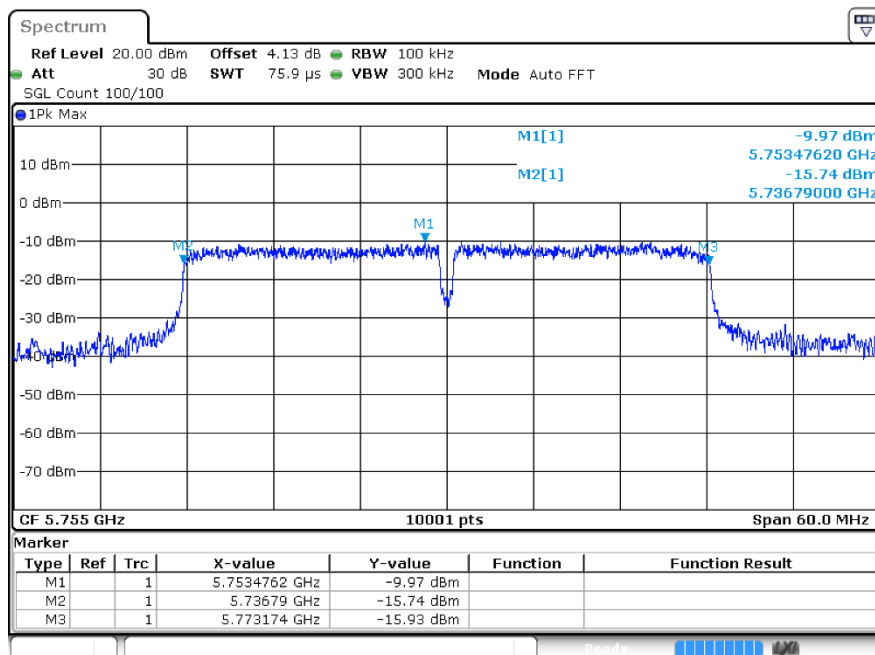
-6dB Bandwidth ac20 5785MHz Ant2



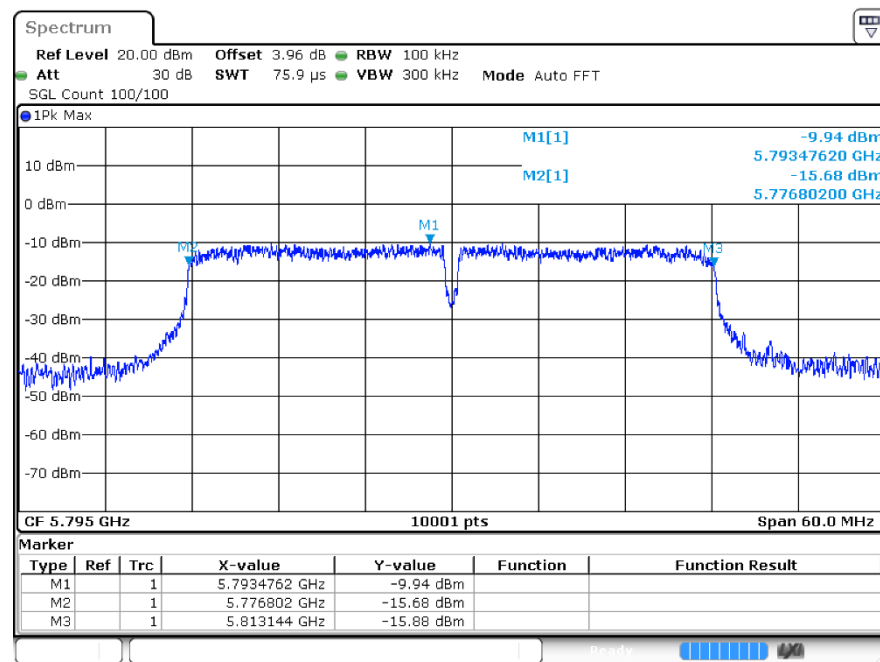
-6dB Bandwidth ac20 5825MHz Ant2



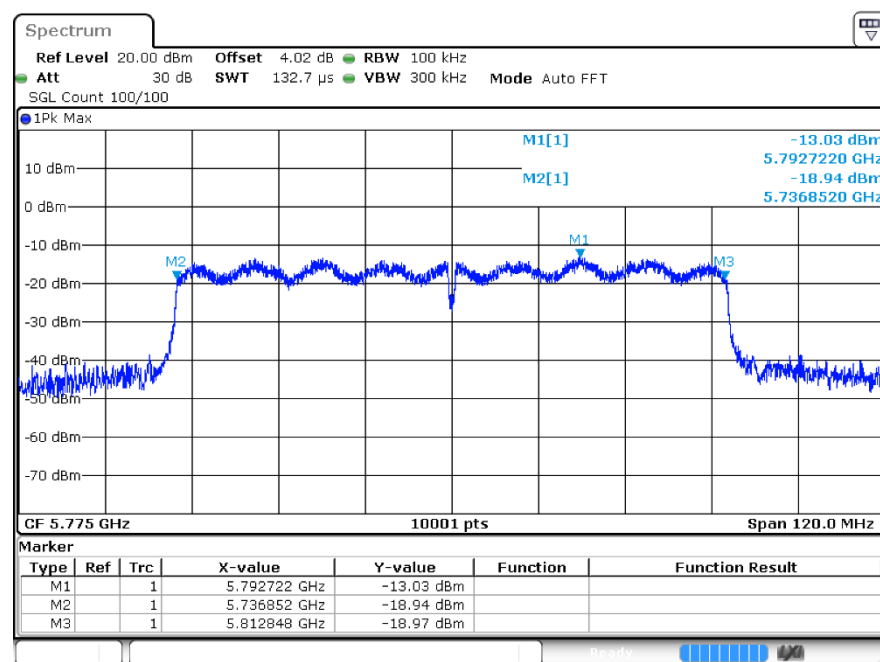
-6dB Bandwidth ac40 5755MHz Ant2



-6dB Bandwidth ac40 5795MHz Ant2



-6dB Bandwidth ac80 5775MHz Ant2

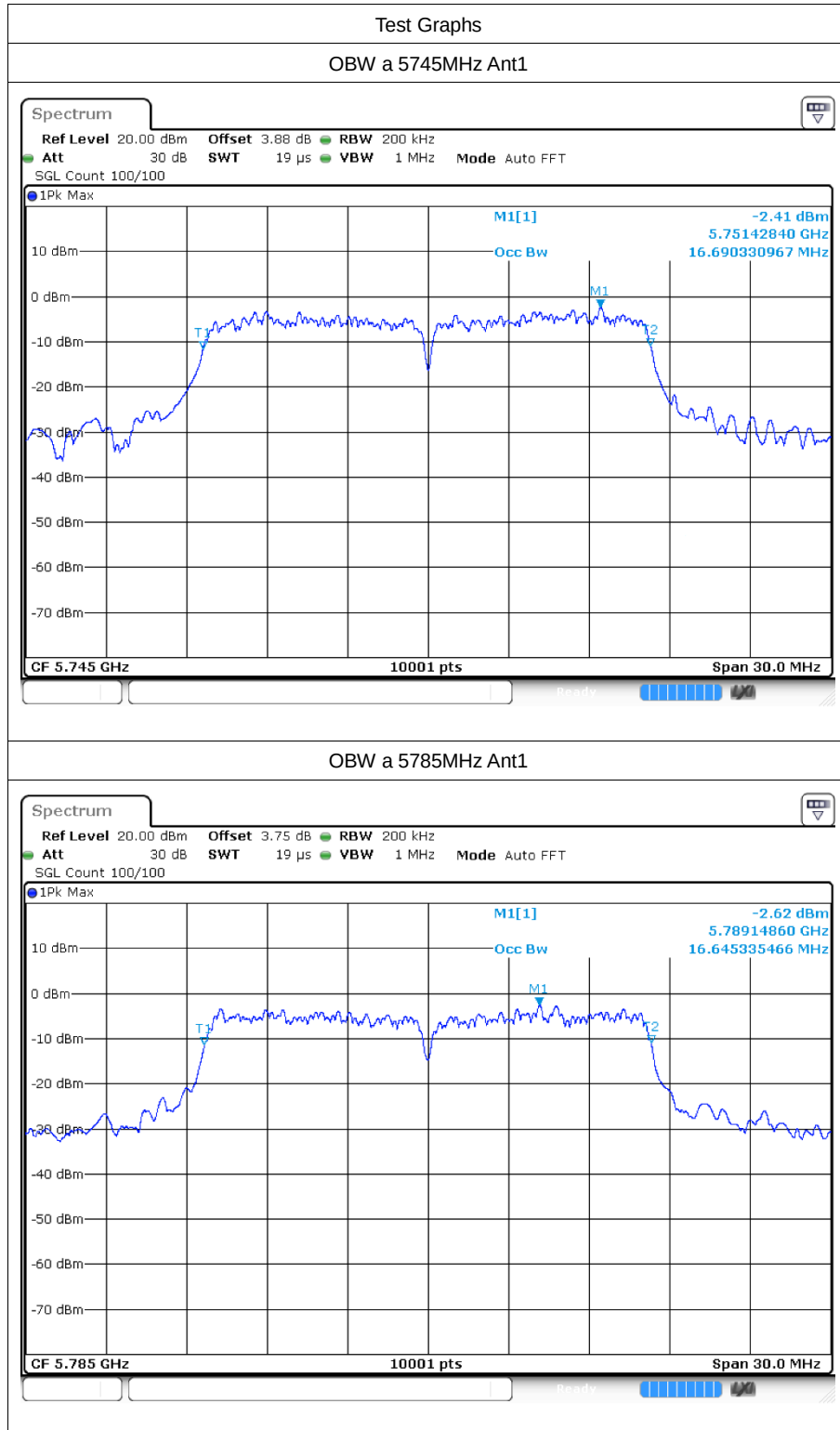


4 Occupied Channel Bandwidth

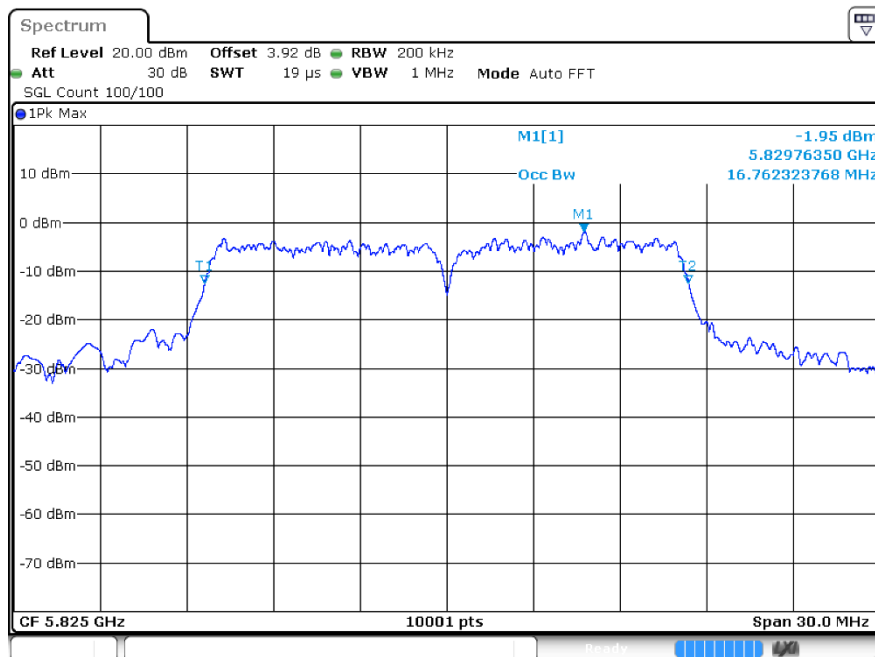
4.1 Test Result

Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
a	5745	Ant1	16.69
a	5785	Ant1	16.645
a	5825	Ant1	16.762
n20	5745	Ant1	17.599
n20	5785	Ant1	17.626
n20	5825	Ant1	17.668
n40	5755	Ant1	36.062
n40	5795	Ant1	36.248
ac20	5745	Ant1	17.722
ac20	5785	Ant1	17.674
ac20	5825	Ant1	17.728
ac40	5755	Ant1	36.02
ac40	5795	Ant1	36.26
ac80	5775	Ant1	75.544
a	5745	Ant2	17.41
a	5785	Ant2	16.606
a	5825	Ant2	16.555
n20	5745	Ant2	17.836
n20	5785	Ant2	17.677
n20	5825	Ant2	17.644
n40	5755	Ant2	36.452
n40	5795	Ant2	36.026
ac20	5745	Ant2	17.809
ac20	5785	Ant2	17.695
ac20	5825	Ant2	17.689
ac40	5755	Ant2	36.404
ac40	5795	Ant2	36.038
ac80	5775	Ant2	75.748

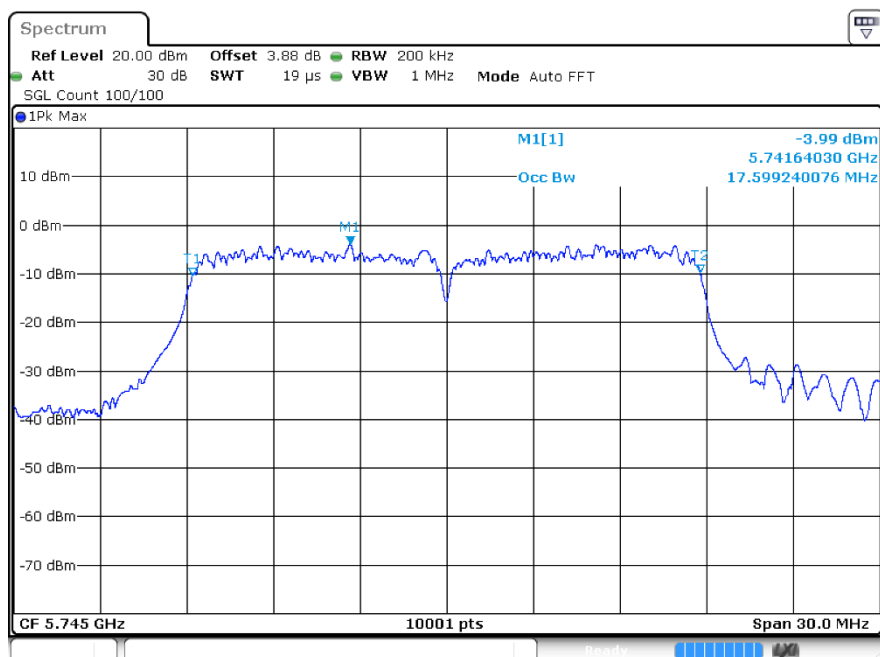
4.2 Test Graphs



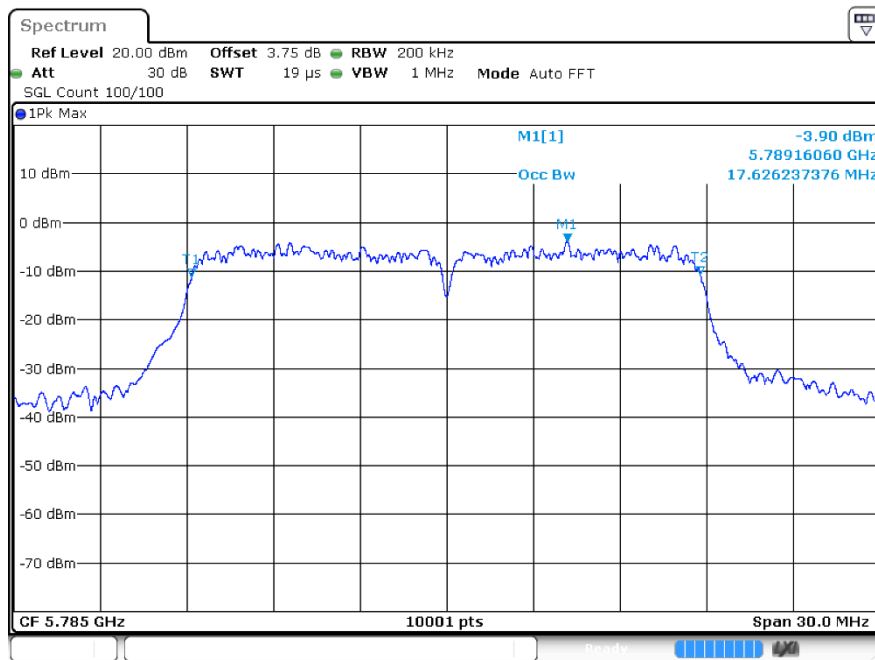
OBW a 5825MHz Ant1



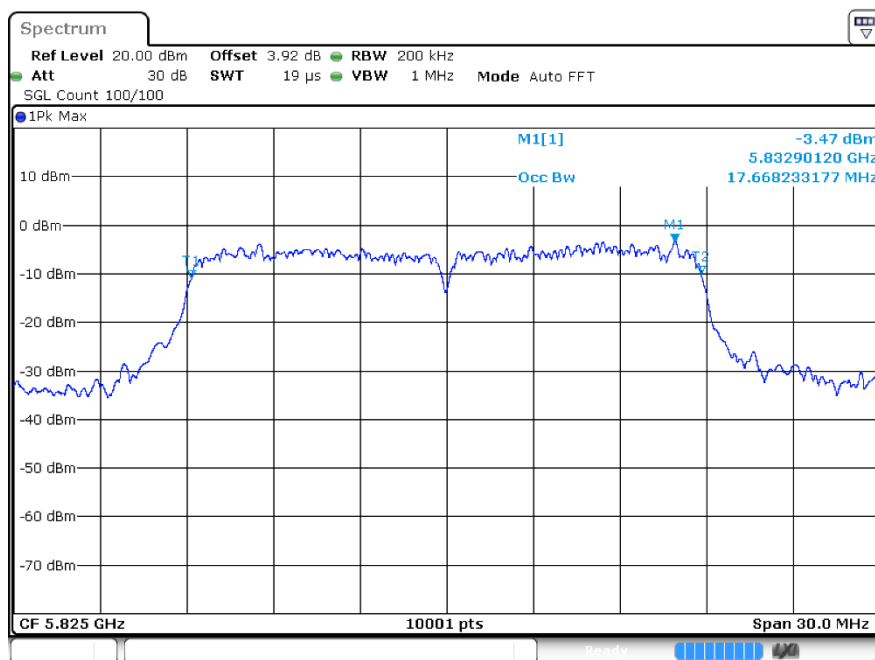
OBW n20 5745MHz Ant1



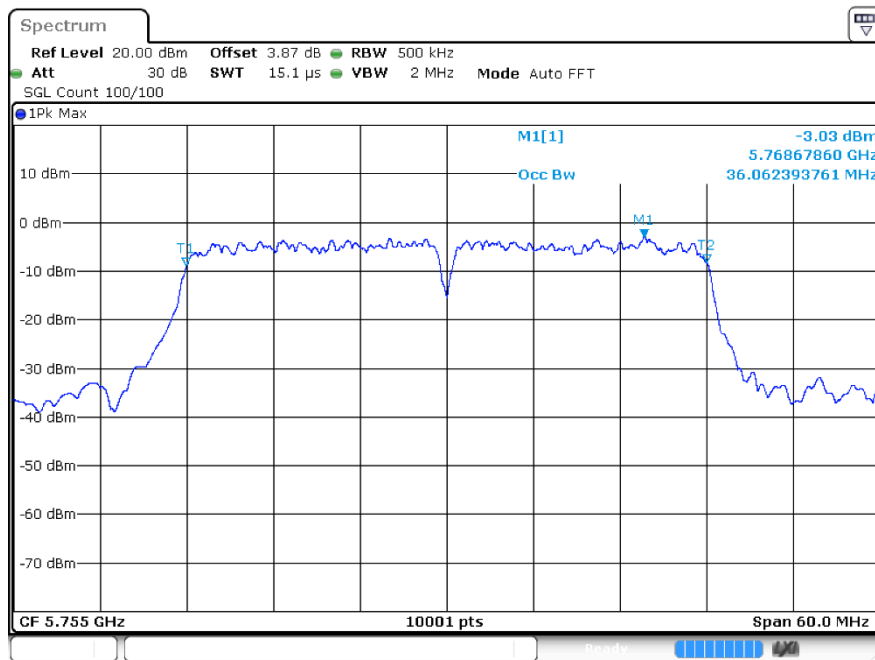
OBW n20 5785MHz Ant1



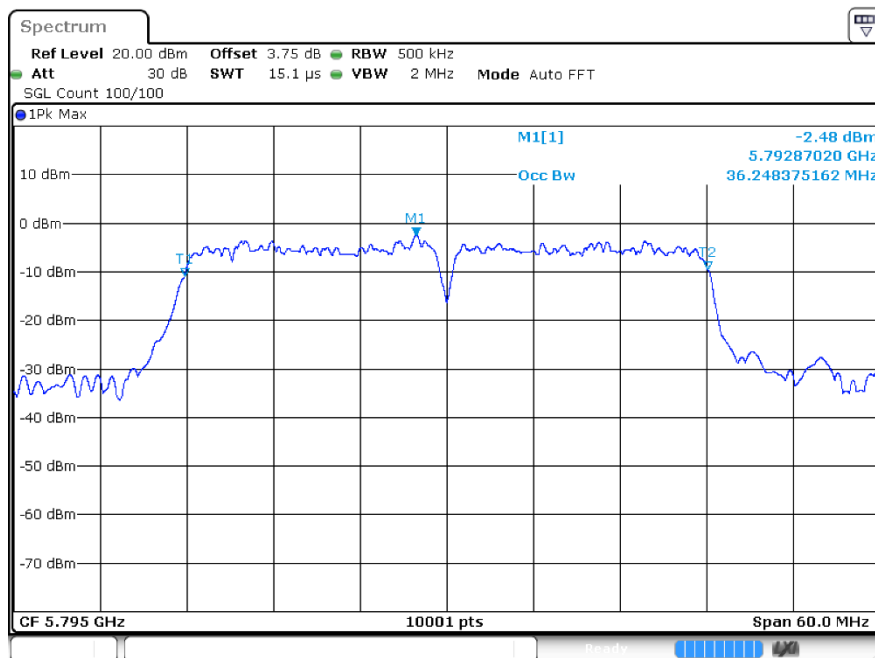
OBW n20 5825MHz Ant1



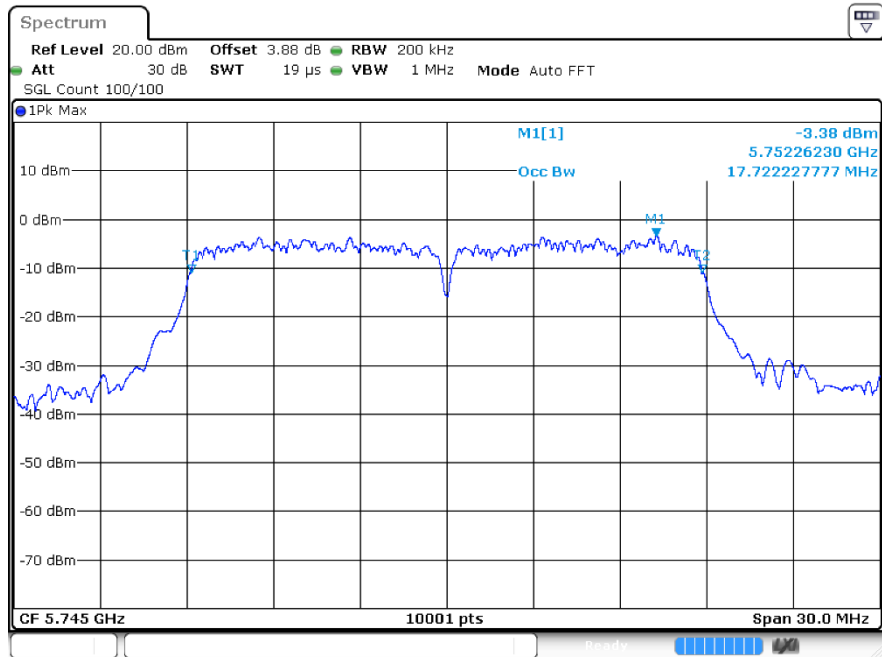
OBW n40 5755MHz Ant1



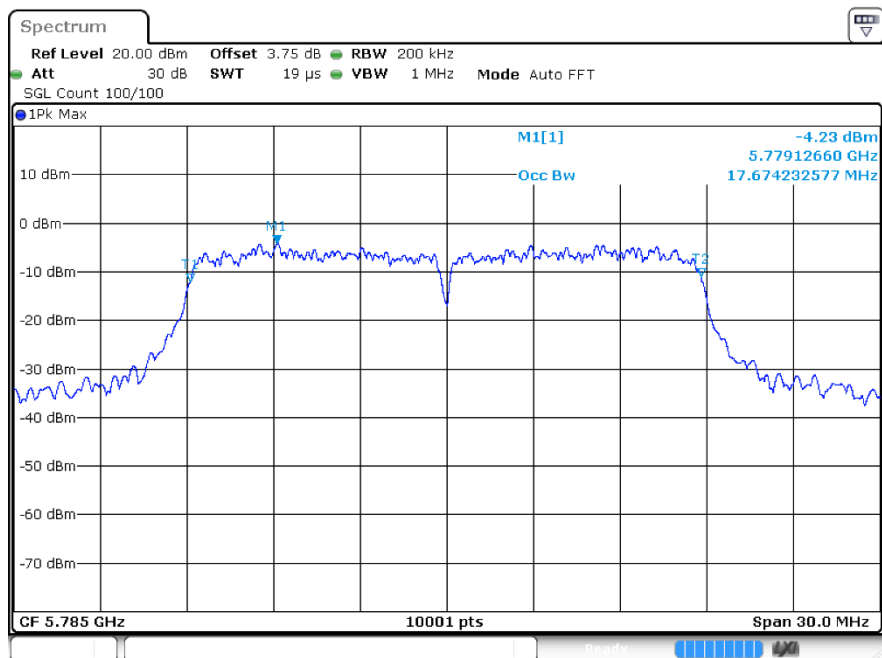
OBW n40 5795MHz Ant1



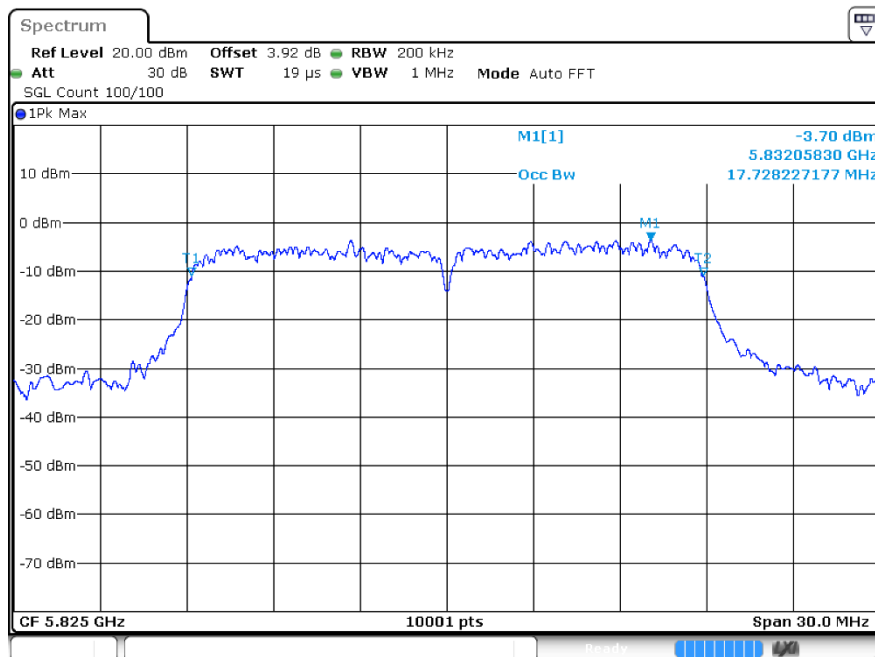
OBW ac20 5745MHz Ant1



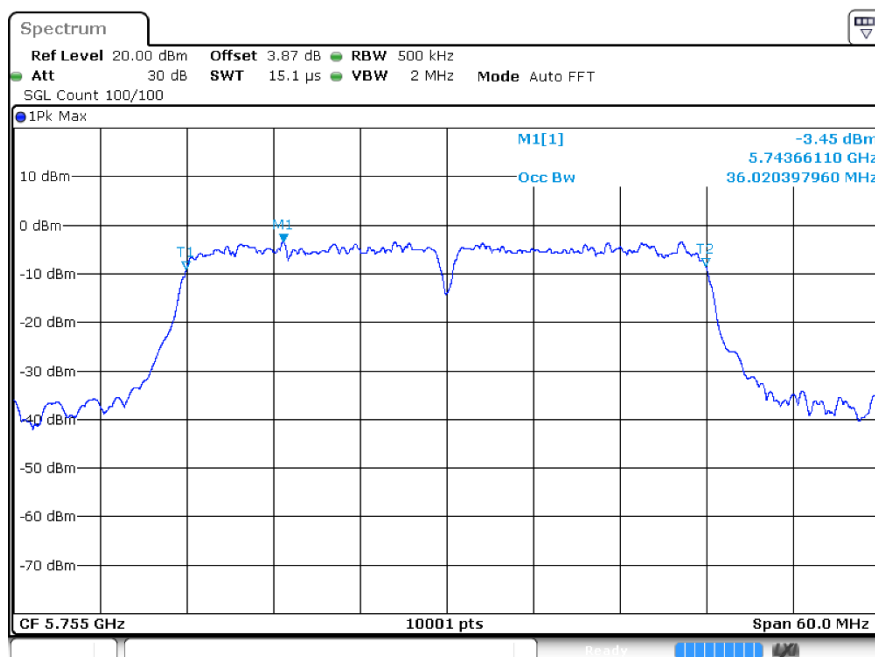
OBW ac20 5785MHz Ant1



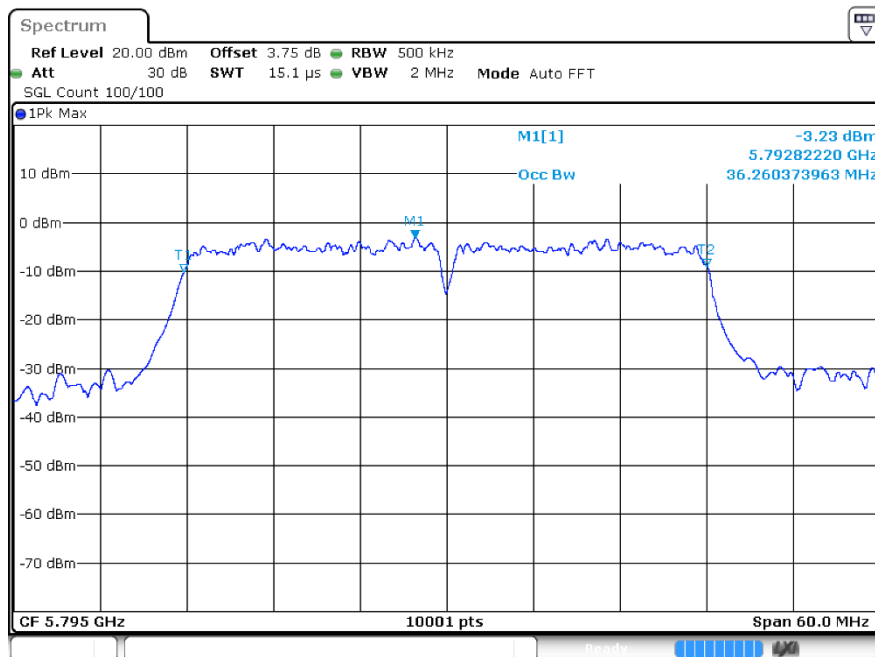
OBW ac20 5825MHz Ant1



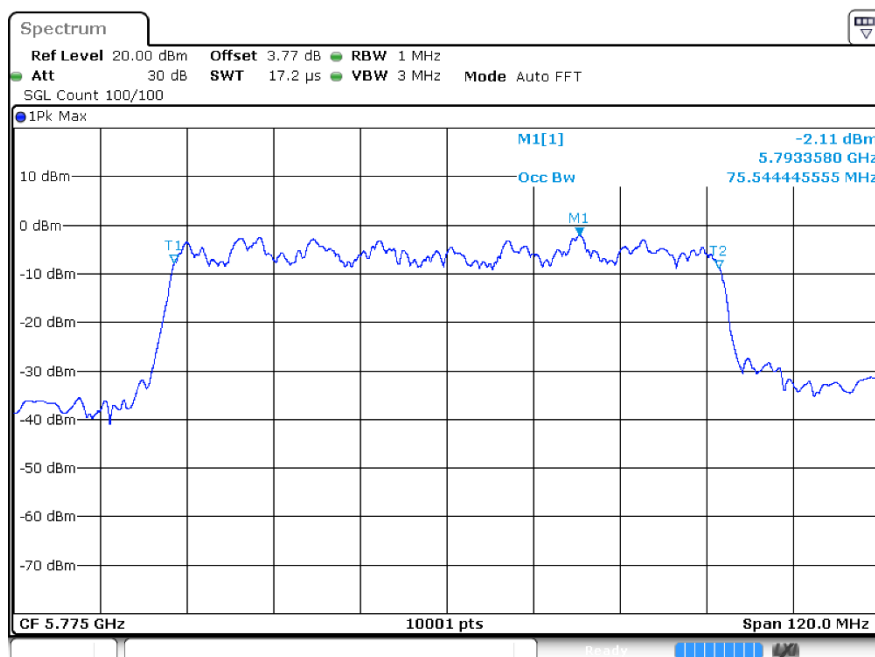
OBW ac40 5755MHz Ant1



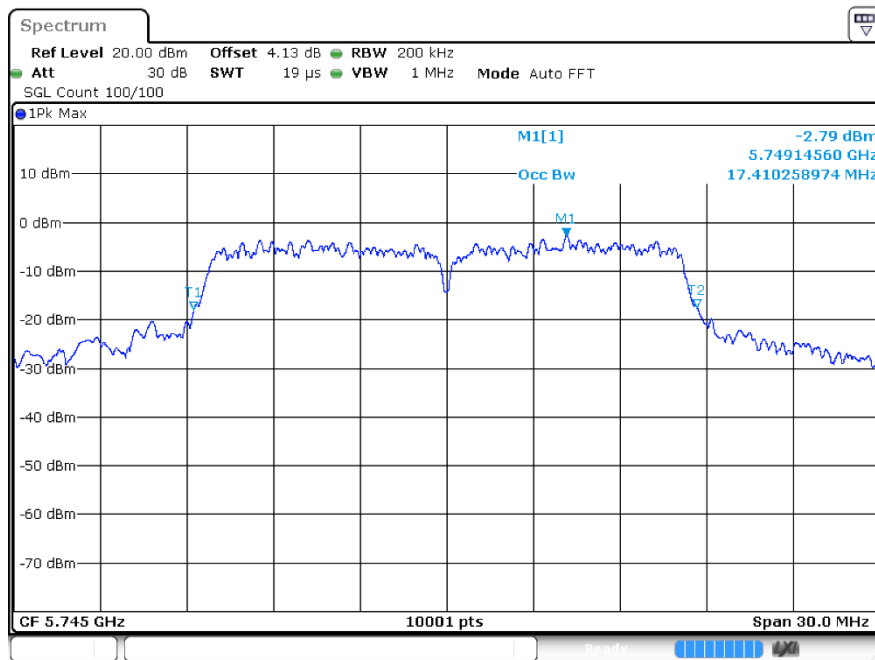
OBW ac40 5795MHz Ant1



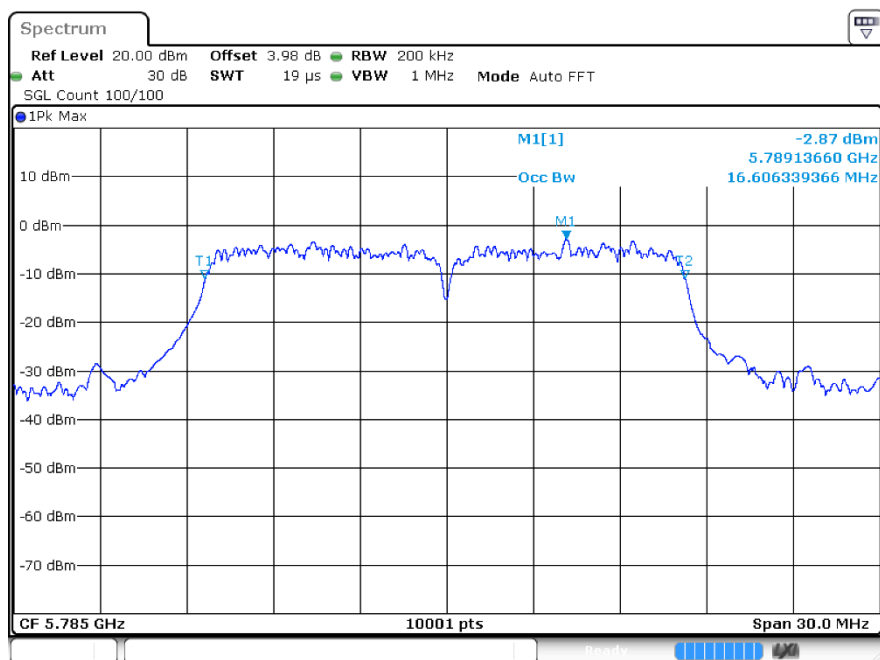
OBW ac80 5775MHz Ant1



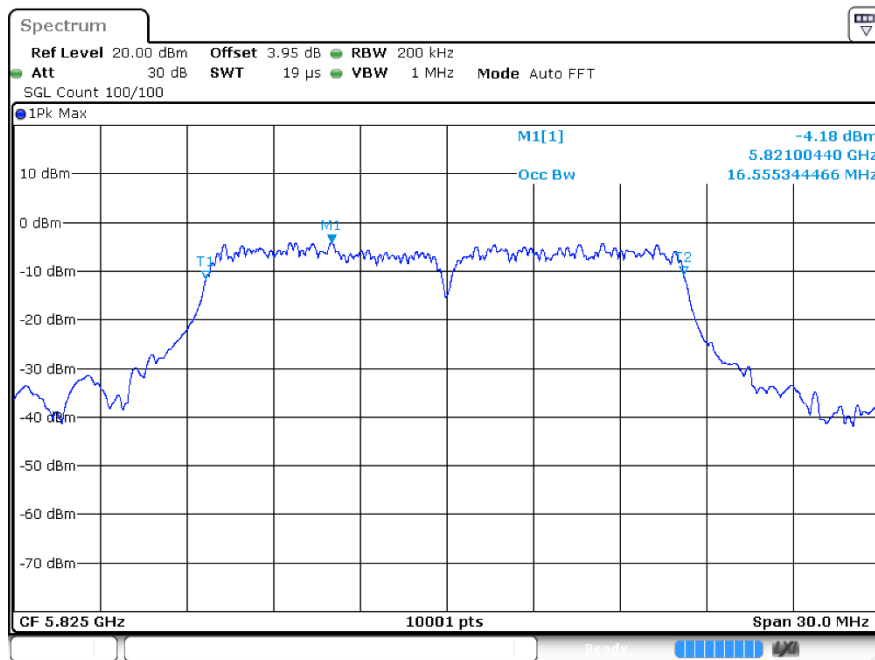
OBW a 5745MHz Ant2



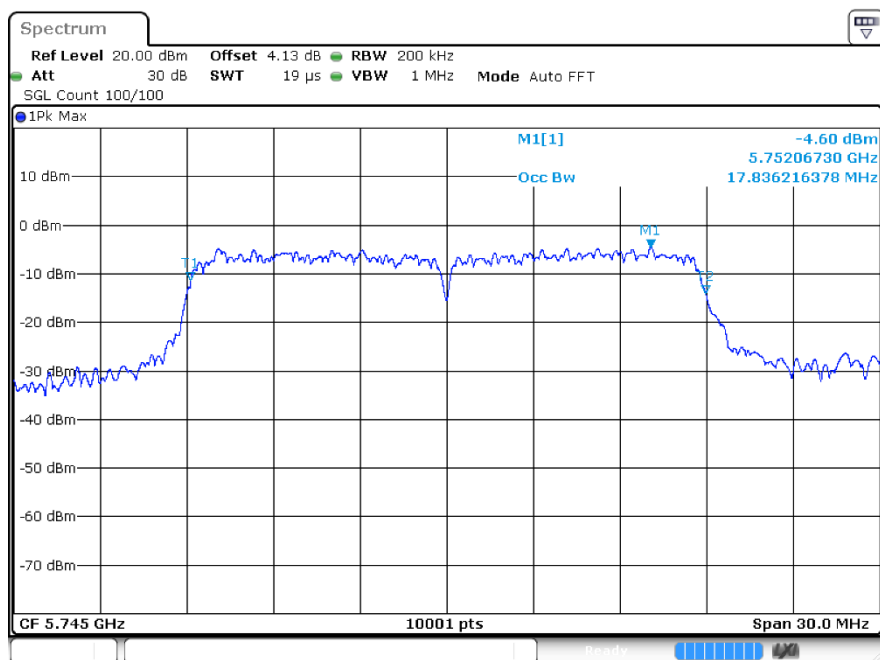
OBW a 5785MHz Ant2



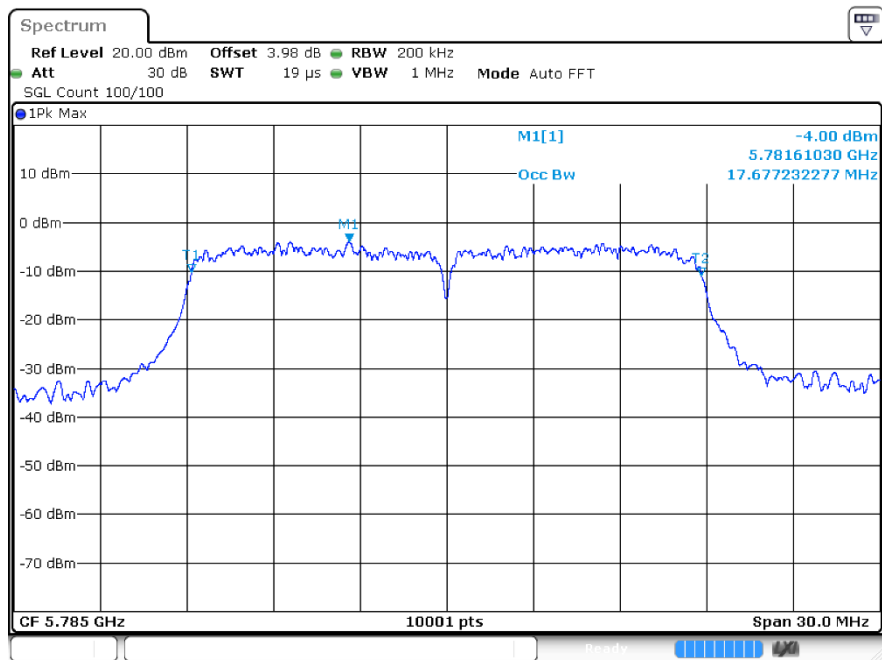
OBW a 5825MHz Ant2



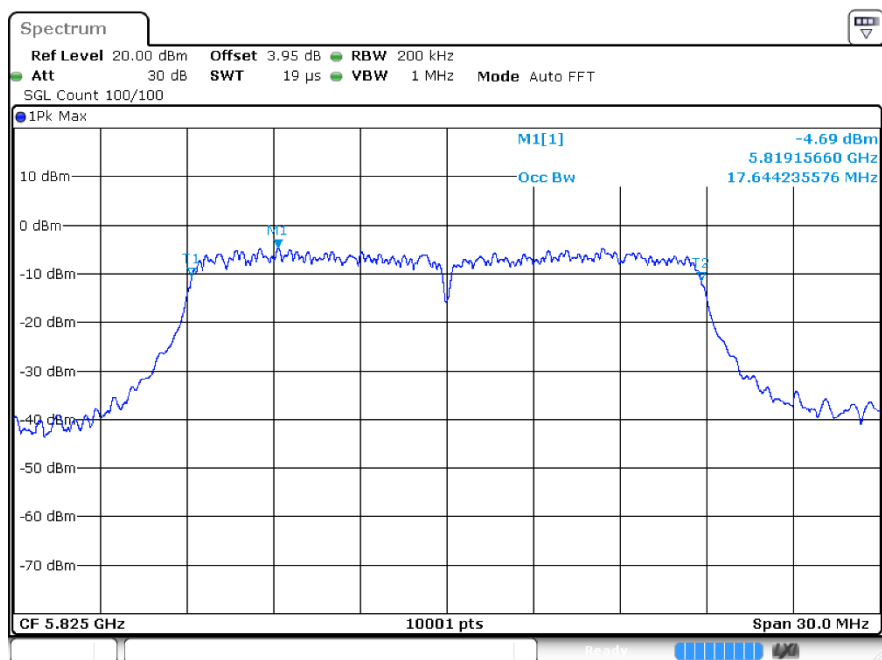
OBW n20 5745MHz Ant2



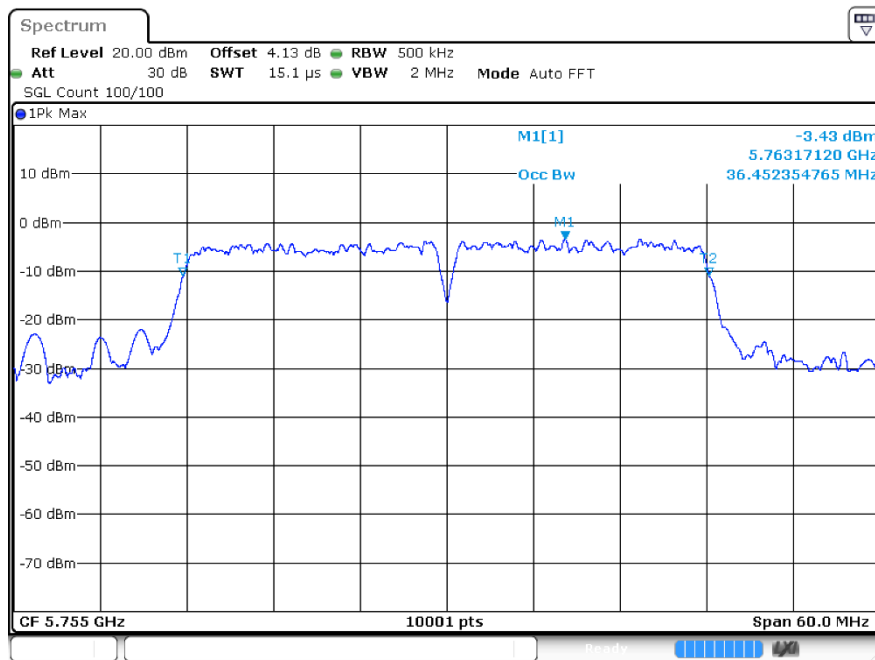
OBW n20 5785MHz Ant2



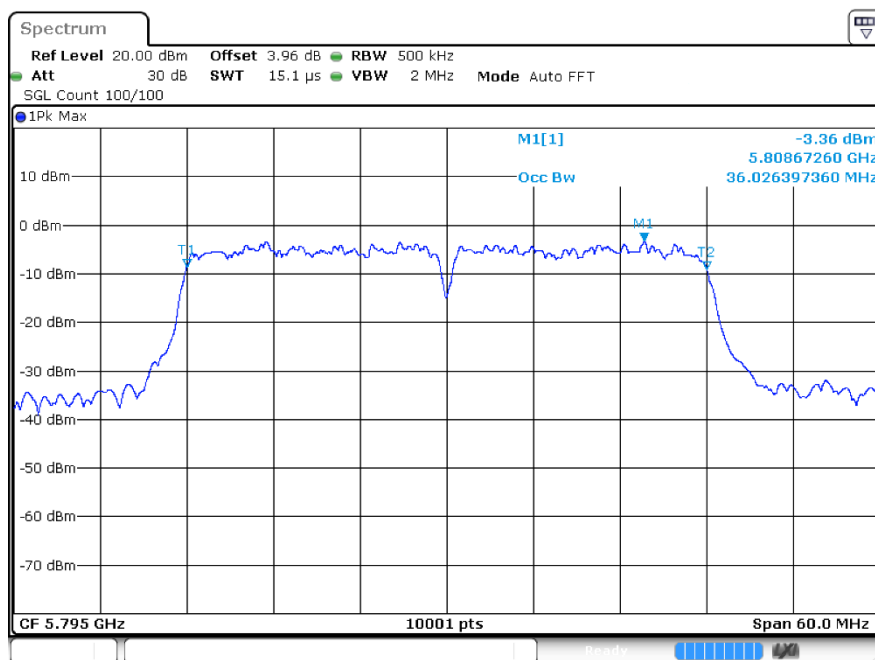
OBW n20 5825MHz Ant2



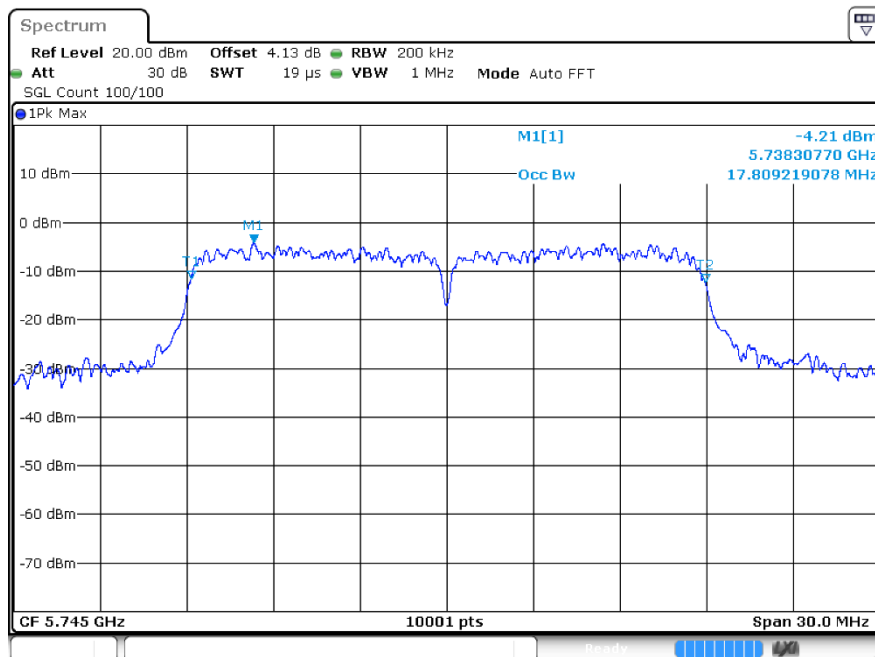
OBW n40 5755MHz Ant2



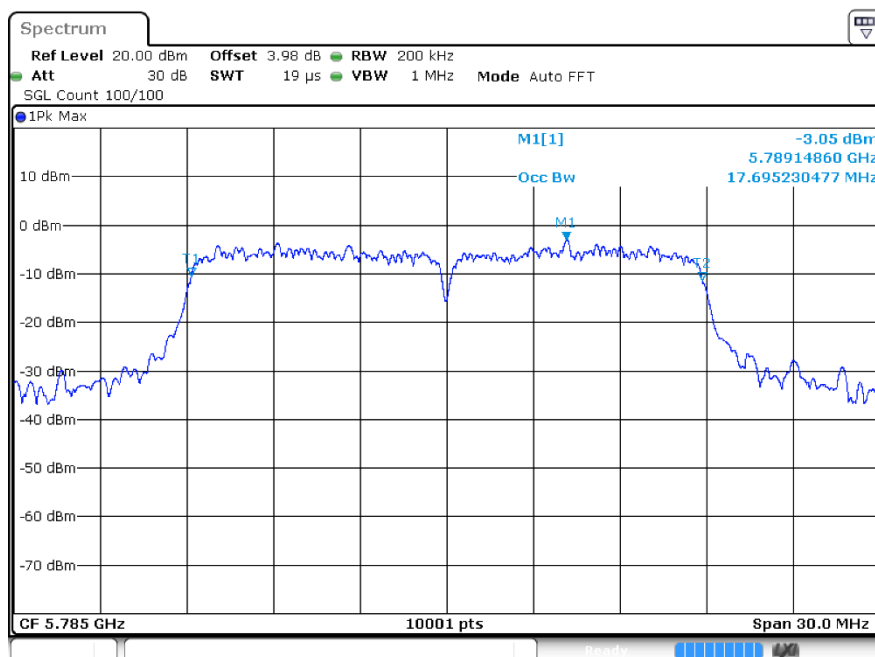
OBW n40 5795MHz Ant2



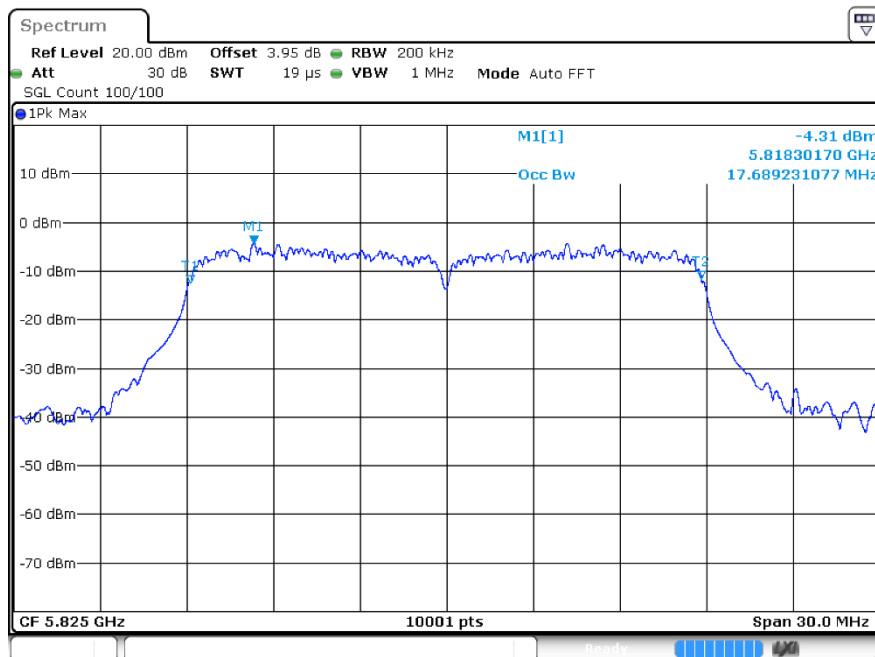
OBW ac20 5745MHz Ant2



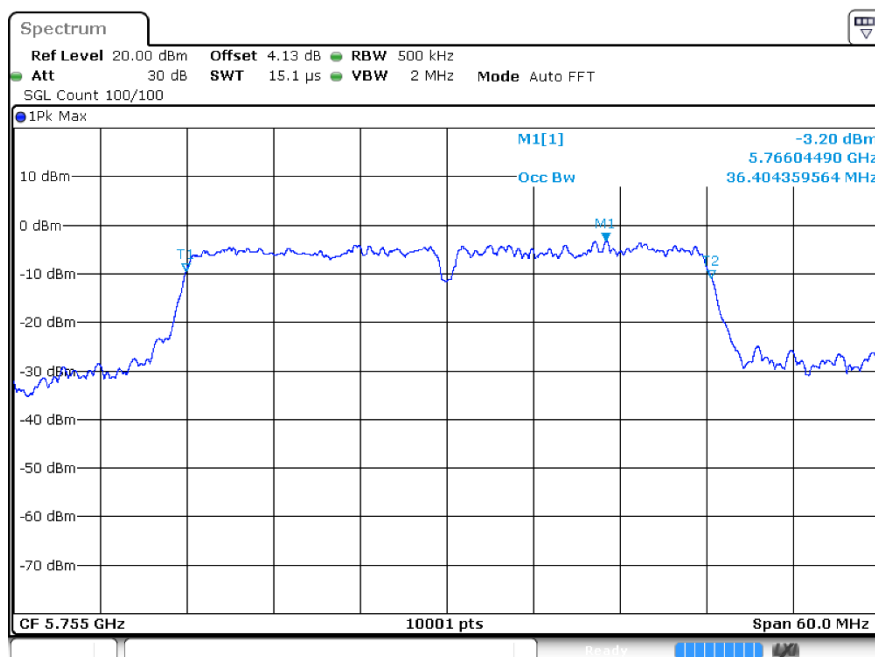
OBW ac20 5785MHz Ant2



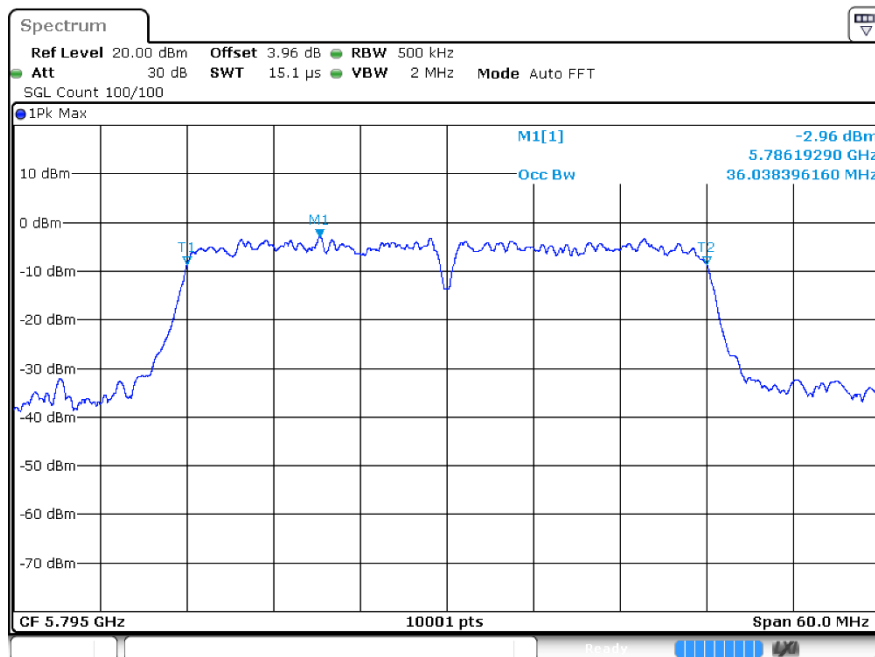
OBW ac20 5825MHz Ant2



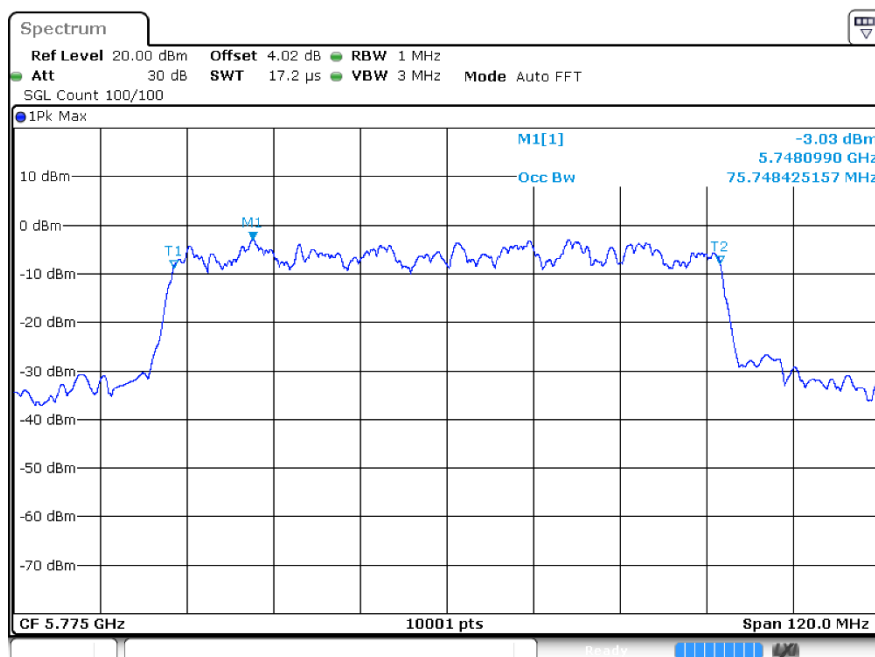
OBW ac40 5755MHz Ant2



OBW ac40 5795MHz Ant2



OBW ac80 5775MHz Ant2



5 Maximum Power Spectral Density Level

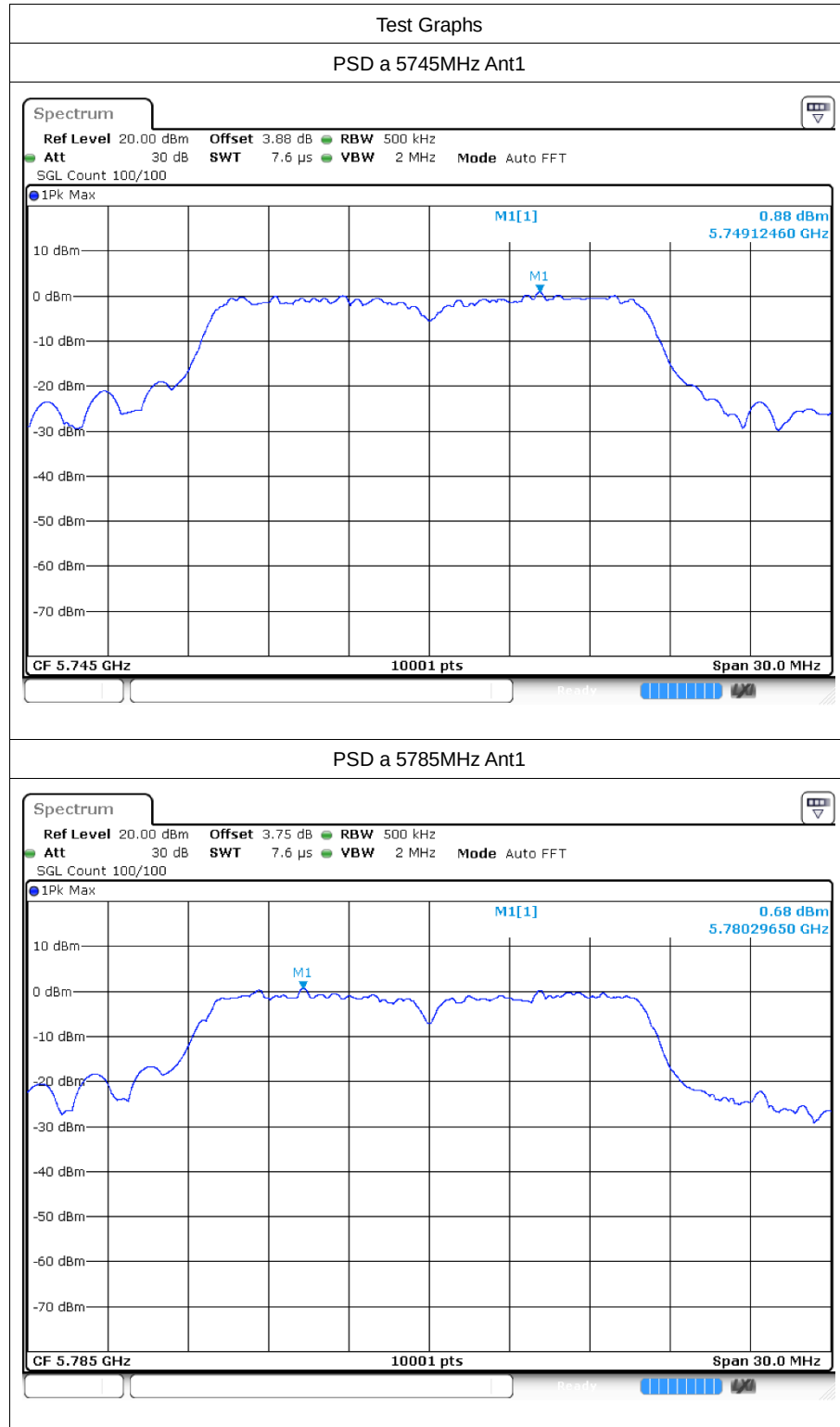
5.1 Test Result

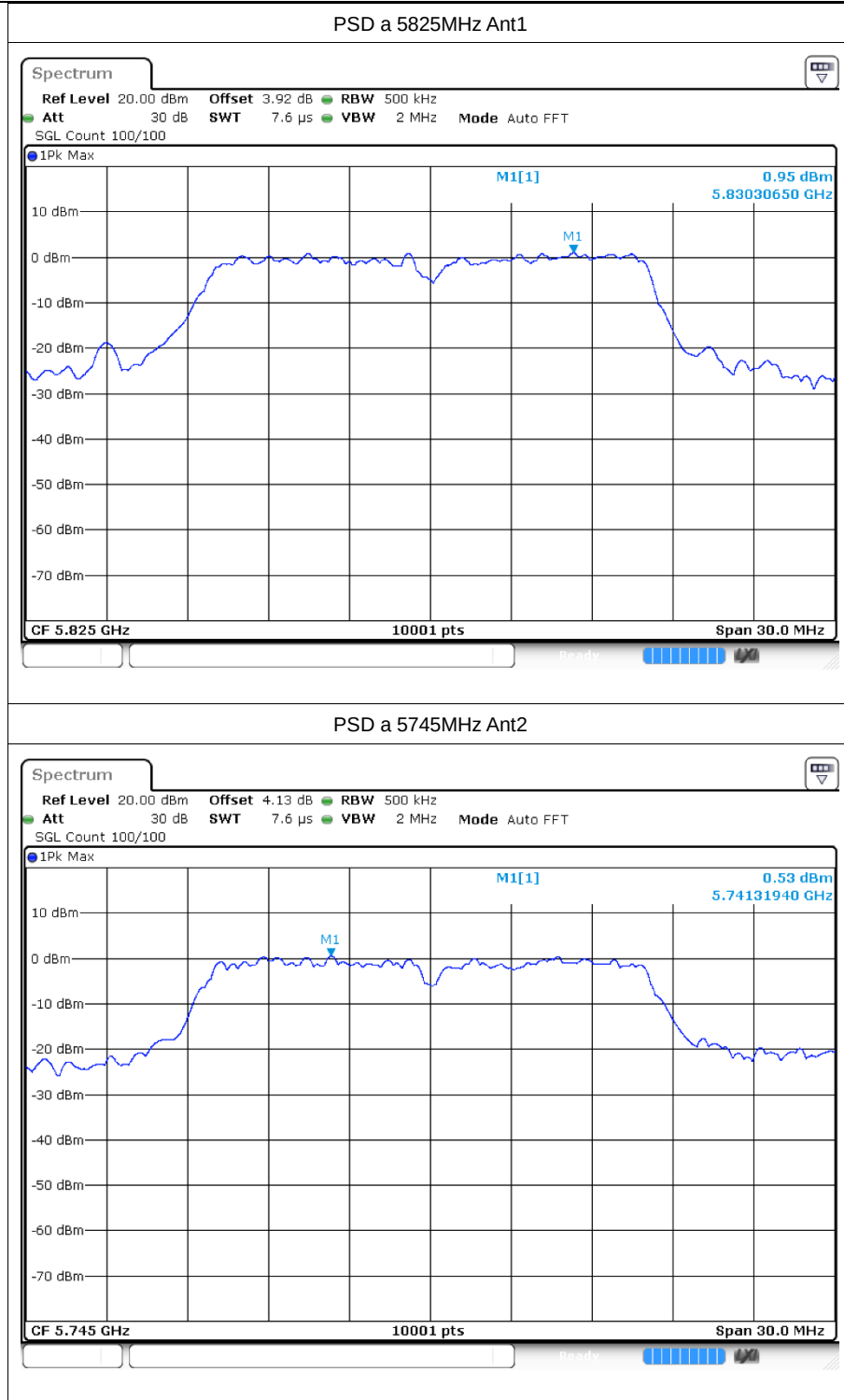
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
a	5745	Ant1	0.88	0	0.88	30	Pass
a	5785	Ant1	0.68	0	0.68	30	Pass
a	5825	Ant1	0.95	0	0.95	30	Pass
a	5745	Ant2	0.53	0	0.53	30	Pass
a	5785	Ant2	0.56	0	0.56	30	Pass
a	5825	Ant2	0	0	0	30	Pass
n20	5745	Ant1	0.73	0	0.73	30	Pass
n20	5745	Ant2	-0.15	0	-0.15	30	Pass
n20	5785	Ant1	-0.23	0	-0.23	30	Pass
n20	5785	Ant2	0.59	0	0.59	30	Pass
n20	5825	Ant1	0.98	0	0.98	30	Pass
n20	5825	Ant2	-0.79	0	-0.79	30	Pass
n40	5755	Ant1	-2.63	0	-2.63	30	Pass
n40	5755	Ant2	-3.2	0	-3.2	30	Pass
n40	5795	Ant1	-3.74	0	-3.74	30	Pass
n40	5795	Ant2	-2.61	0	-2.61	30	Pass
ac20	5745	Ant1	1.32	0	1.32	30	Pass
ac20	5745	Ant2	0.51	0	0.51	30	Pass
ac20	5785	Ant1	-0.22	0	-0.22	30	Pass
ac20	5785	Ant2	0.39	0	0.39	30	Pass
ac20	5825	Ant1	0.92	0	0.92	30	Pass
ac20	5825	Ant2	0.58	0	0.58	30	Pass
ac40	5755	Ant1	-3.29	0	-3.29	30	Pass
ac40	5755	Ant2	-3.05	0	-3.05	30	Pass
ac40	5795	Ant1	-3.4	0	-3.4	30	Pass
ac40	5795	Ant2	-3.27	0	-3.27	30	Pass
ac80	5775	Ant1	-5.27	0	-5.27	30	Pass
ac80	5775	Ant2	-5.32	0	-5.32	30	Pass
n20	5745	Sum	-	-	3.32	30	Pass
n20	5785	Sum	-	-	3.21	30	Pass
n20	5825	Sum	-	-	3.19	30	Pass
n40	5755	Sum	-	-	0.10	30	Pass
n40	5795	Sum	-	-	-0.13	30	Pass
ac20	5745	Sum	-	-	3.94	30	Pass

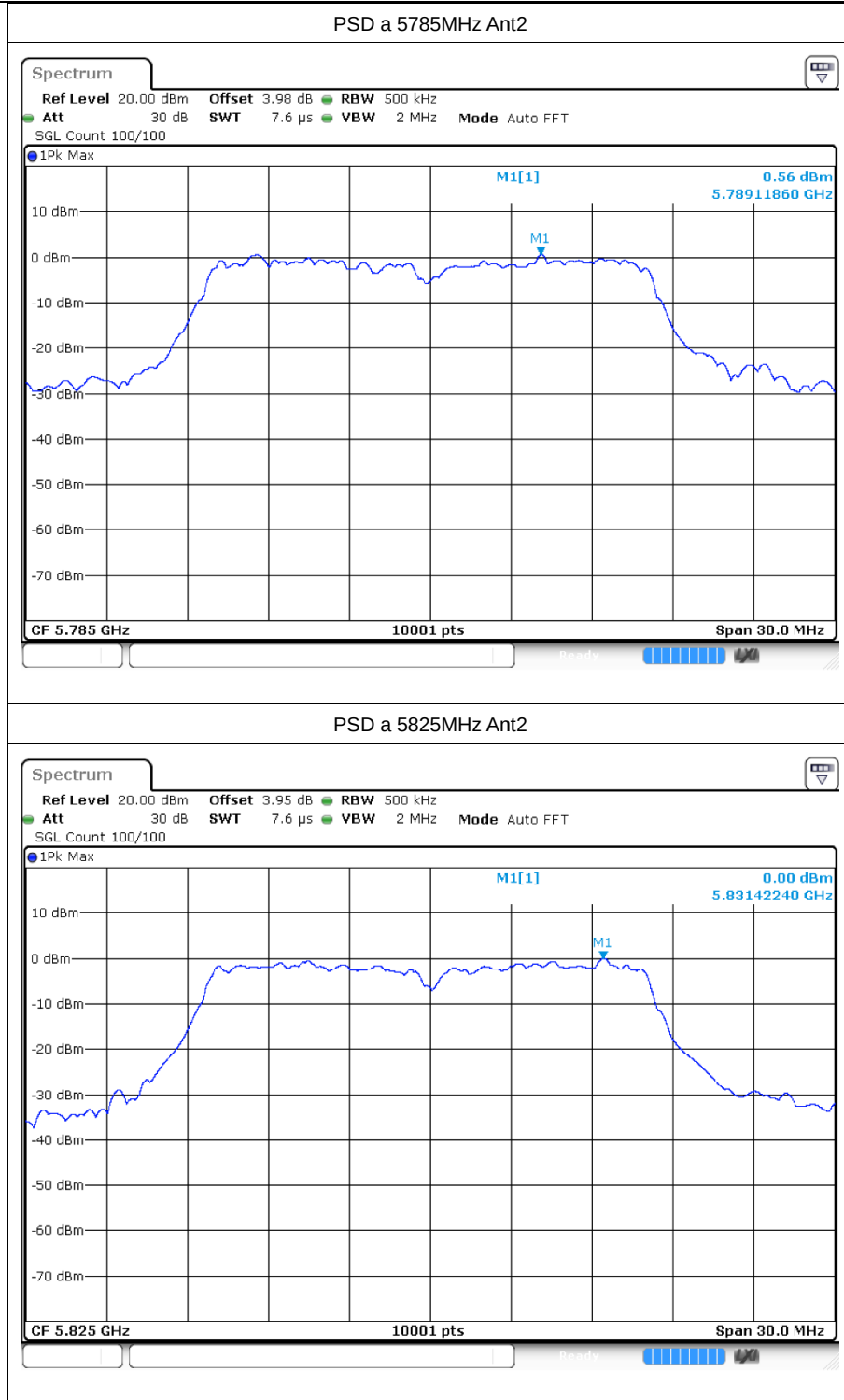


ac20	5785	Sum	-	-	3.11	30	Pass
ac20	5825	Sum	-	-	3.76	30	Pass
ac40	5755	Sum	-	-	-0.16	30	Pass
ac40	5795	Sum	-	-	-0.32	30	Pass
ac80	5775	Sum	-	-	-2.28	30	Pass

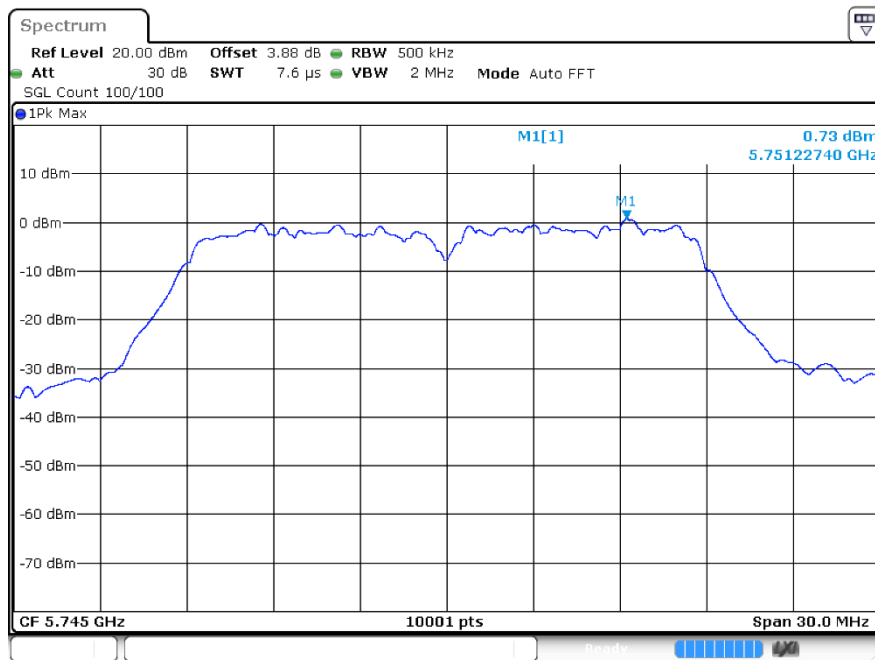
5.2 Test Graphs



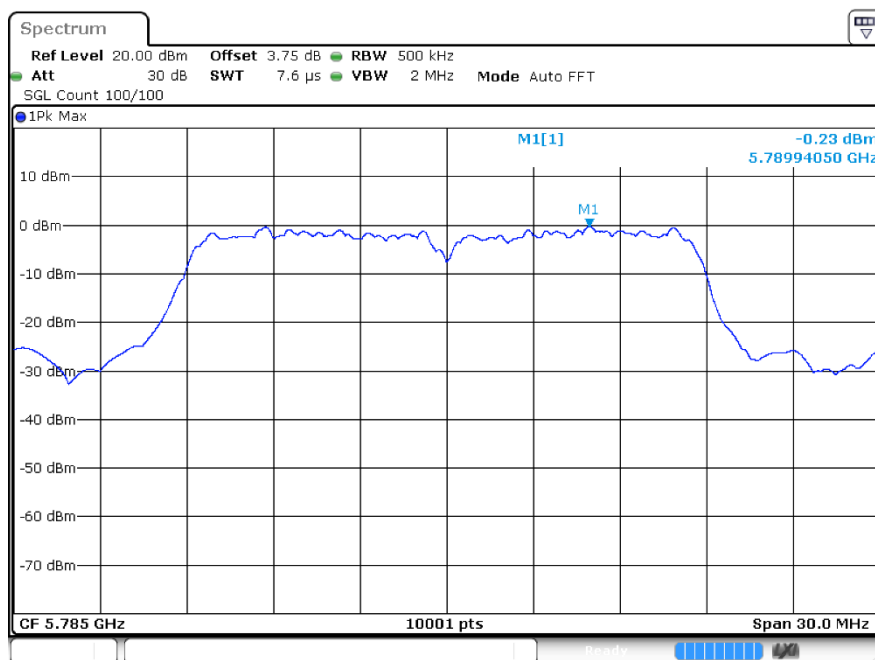




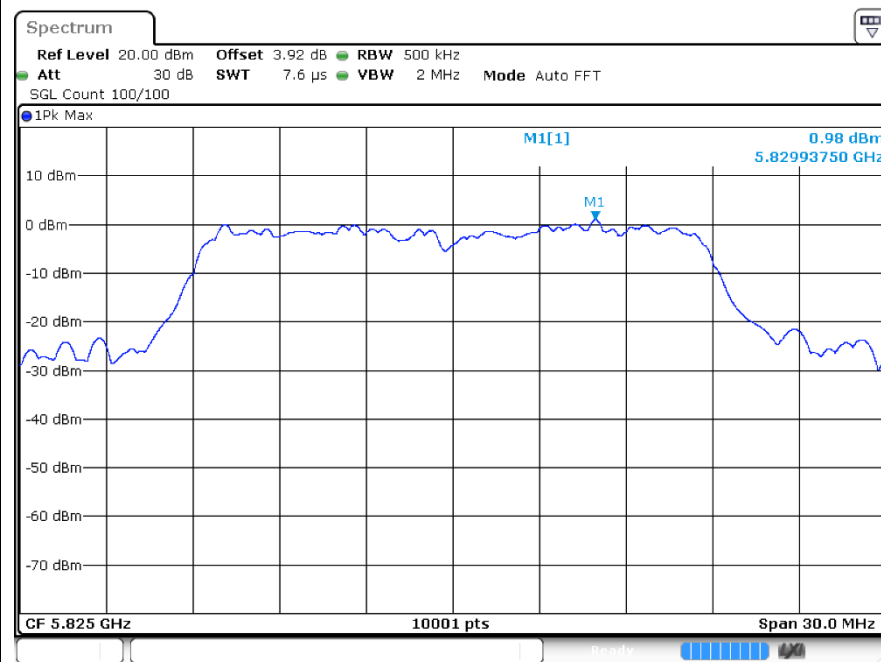
PSD n20 5745MHz Ant1



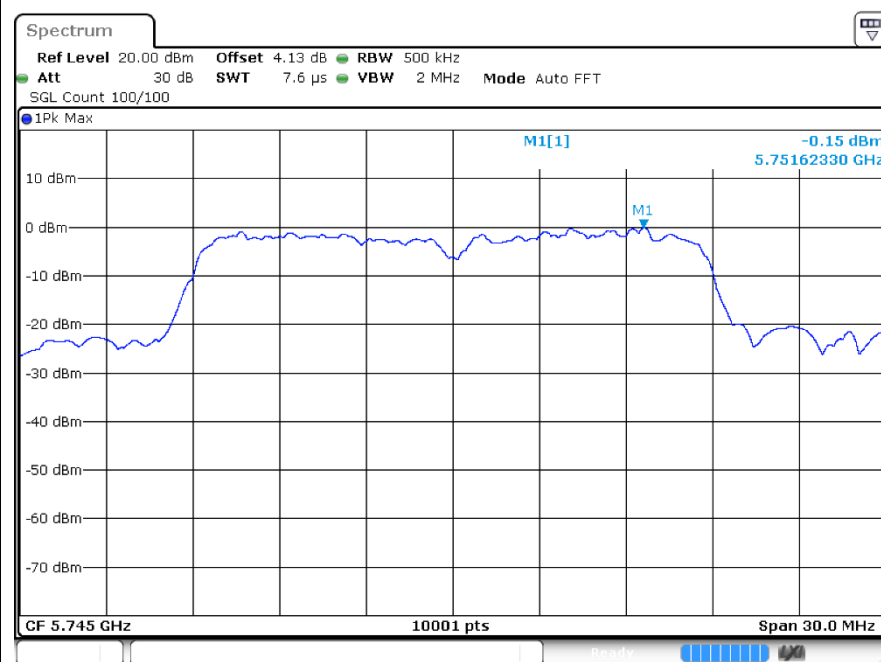
PSD n20 5785MHz Ant1



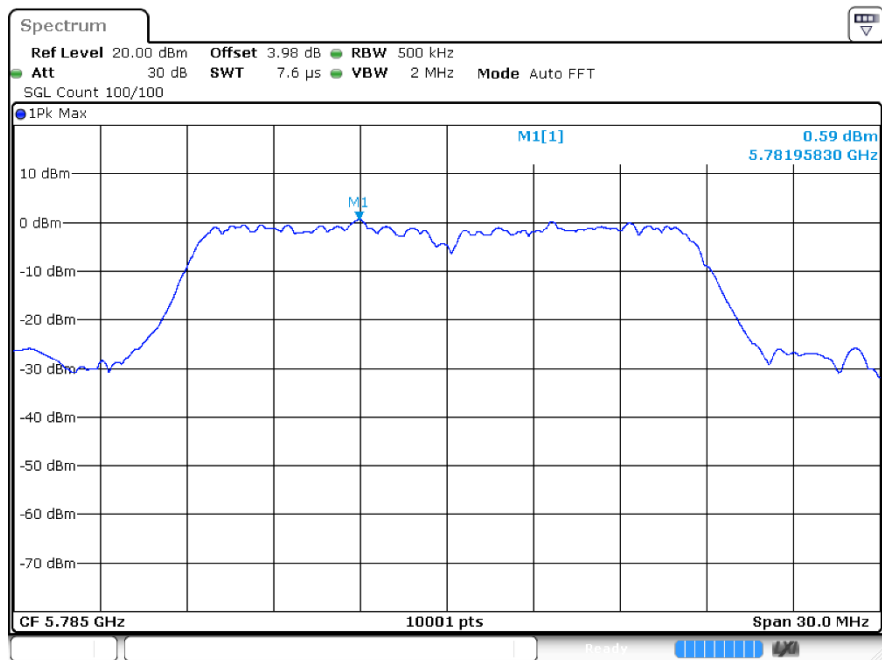
PSD n20 5825MHz Ant1



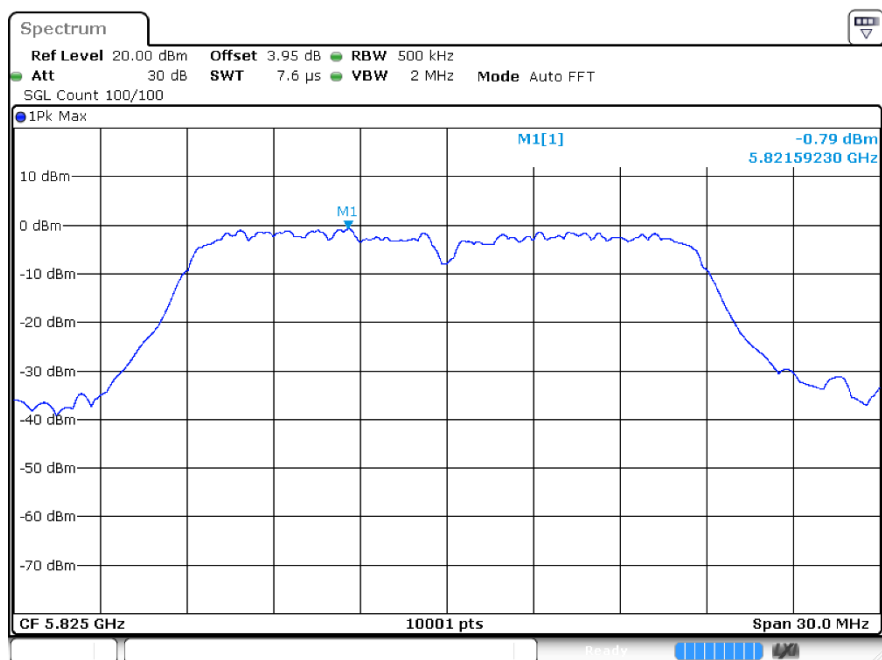
PSD n20 5745MHz Ant2



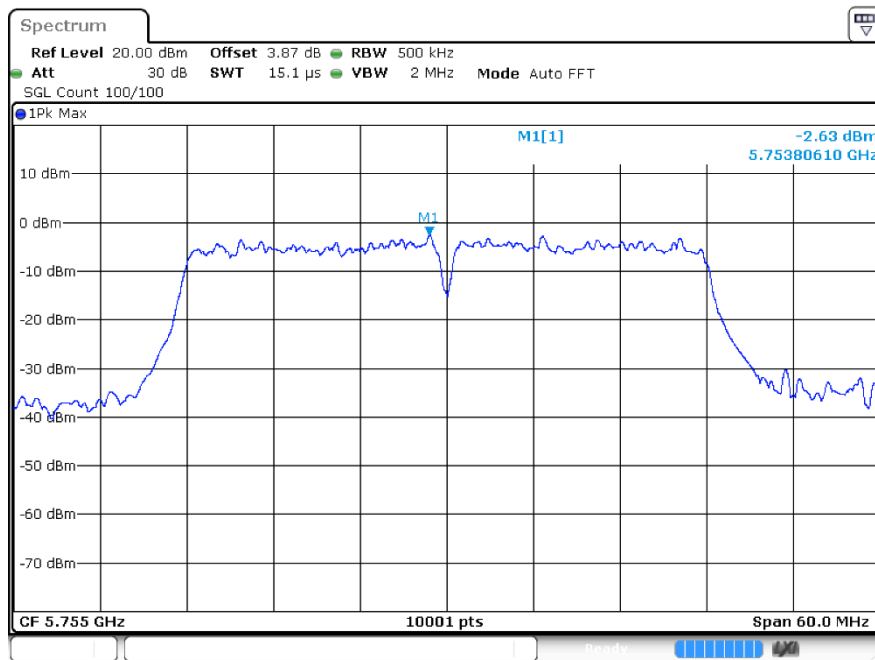
PSD n20 5785MHz Ant2



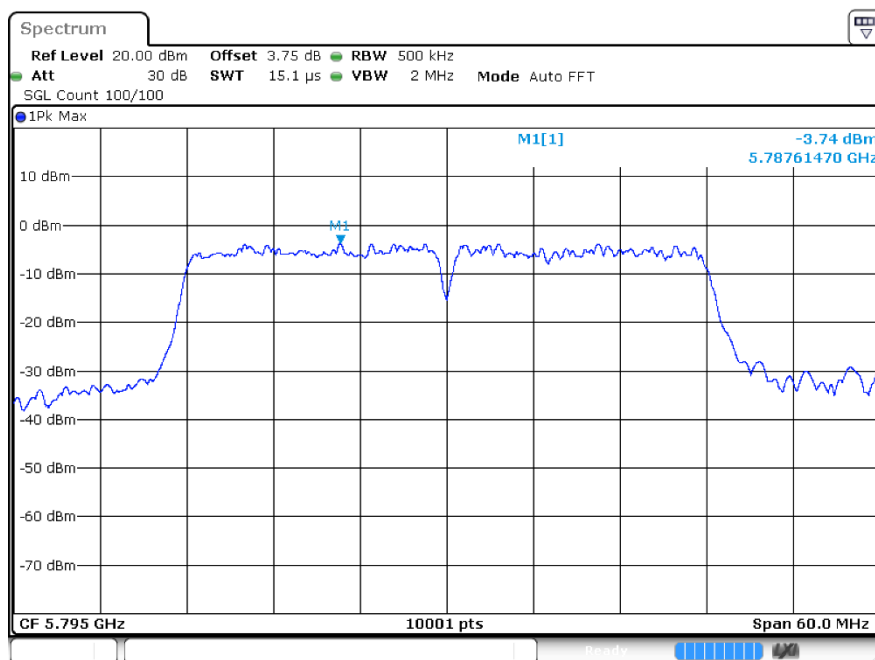
PSD n20 5825MHz Ant2

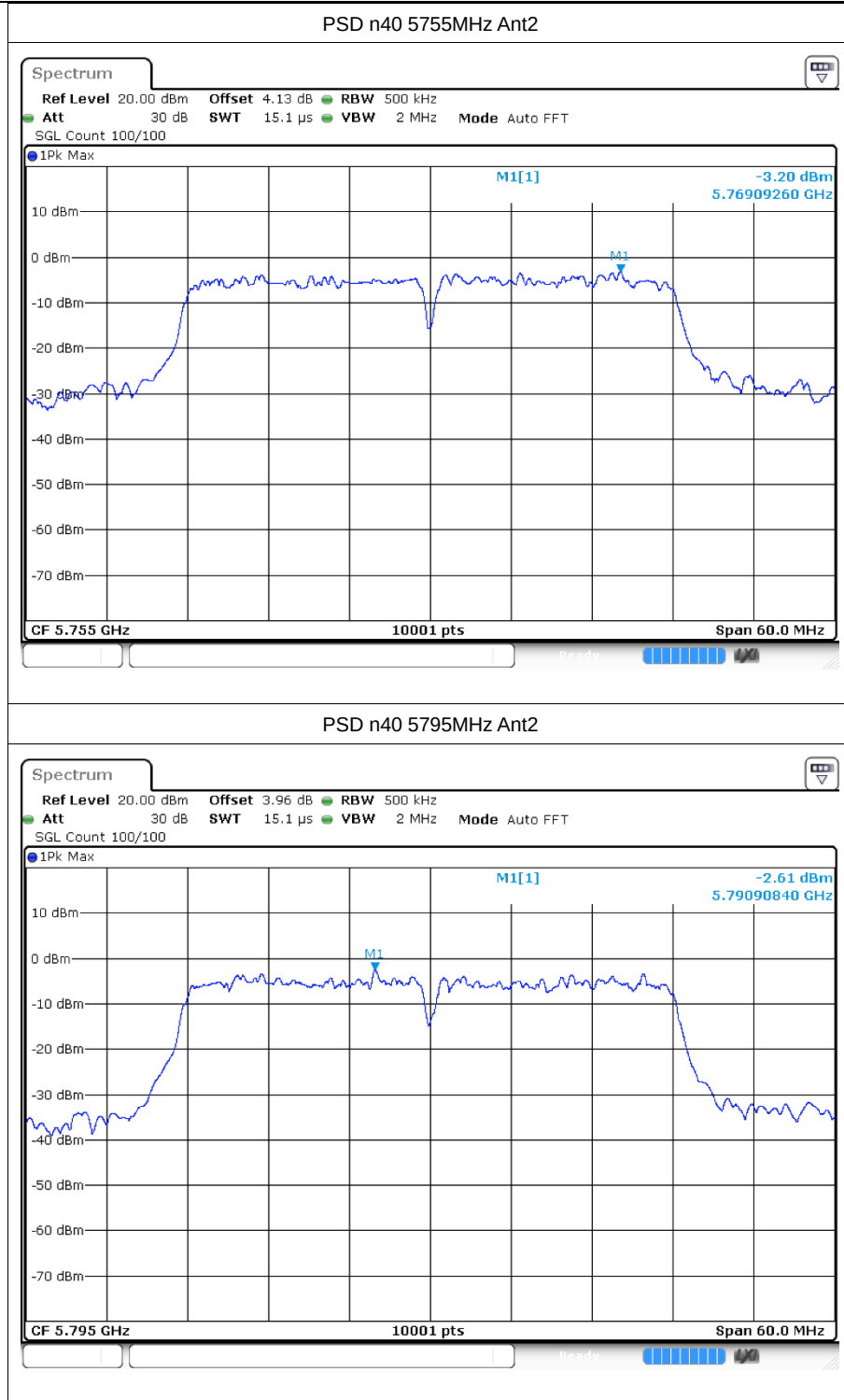


PSD n40 5755MHz Ant1

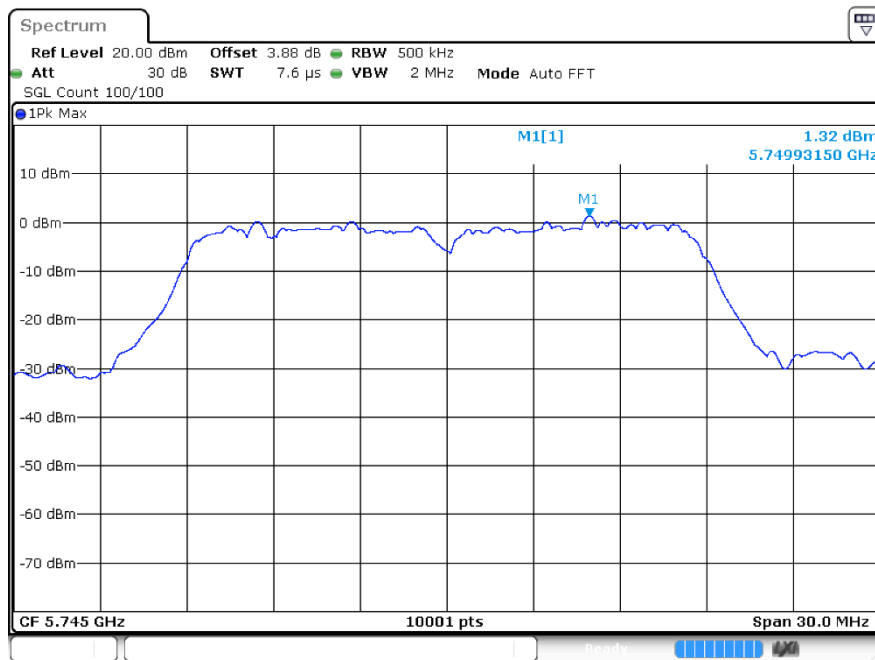


PSD n40 5795MHz Ant1

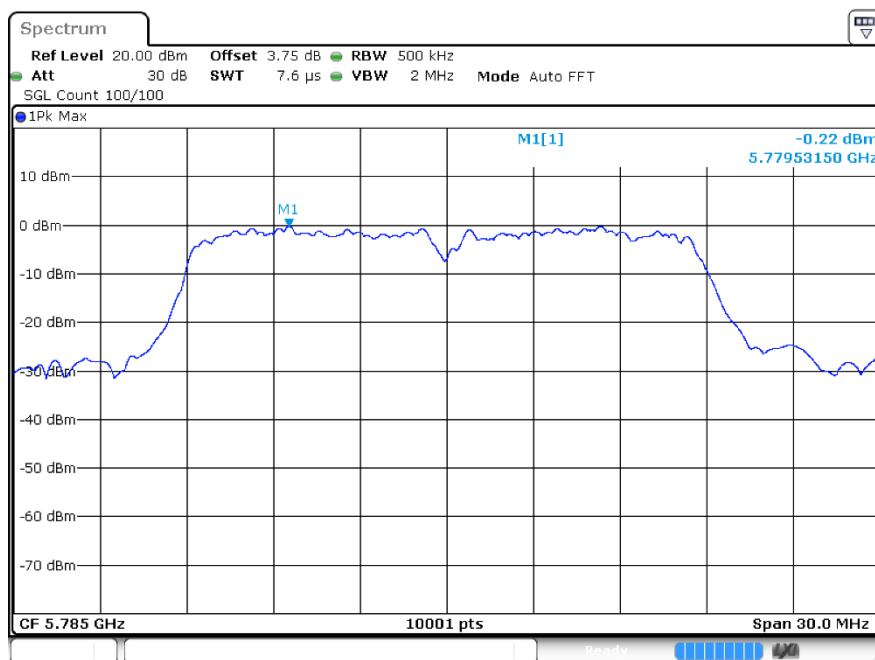




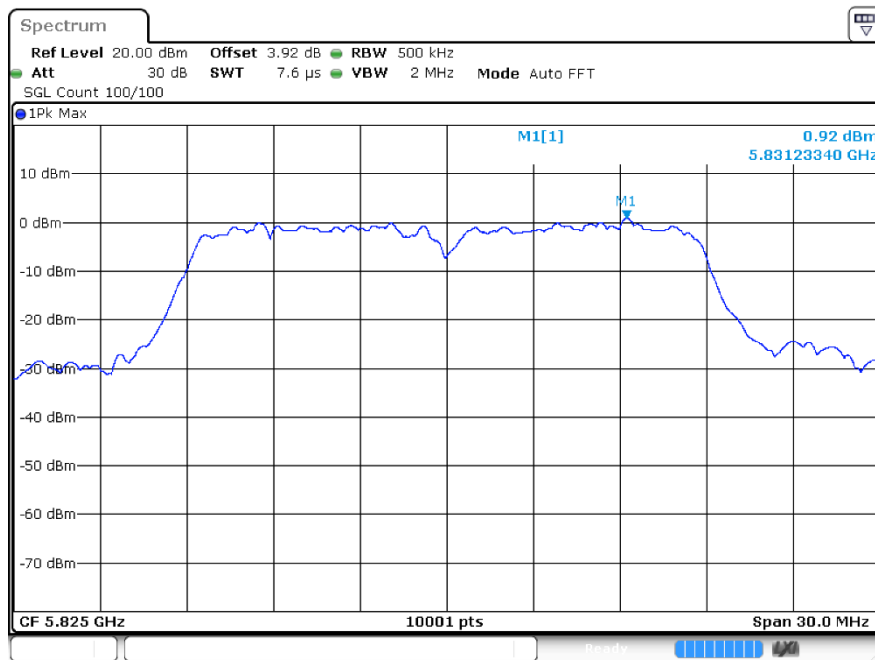
PSD ac20 5745MHz Ant1



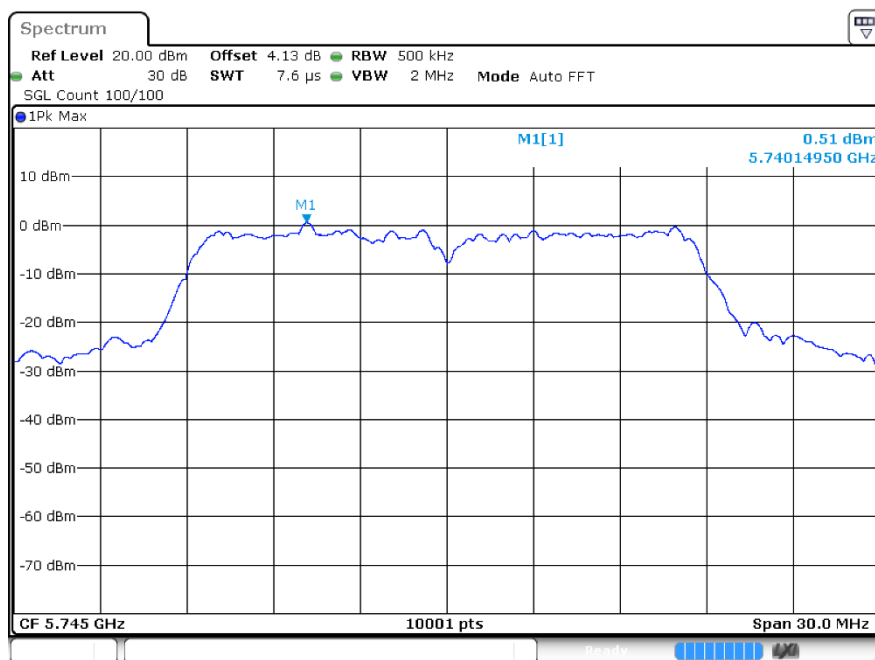
PSD ac20 5785MHz Ant1



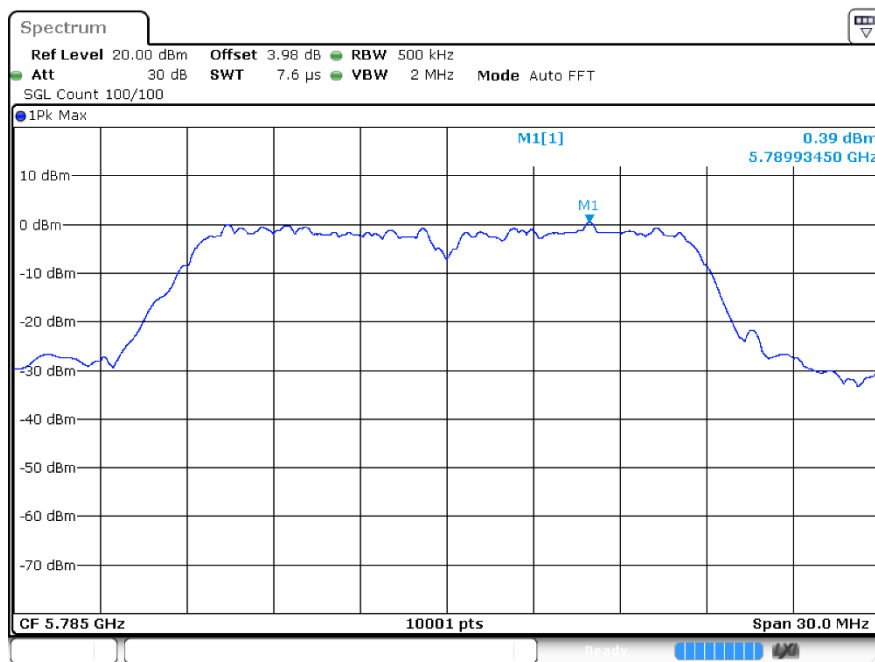
PSD ac20 5825MHz Ant1



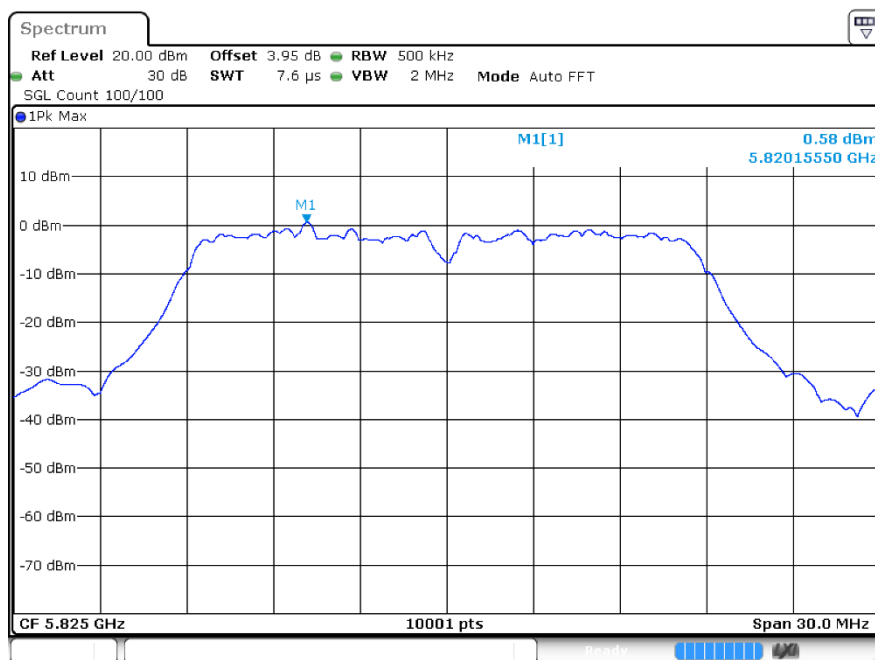
PSD ac20 5745MHz Ant2



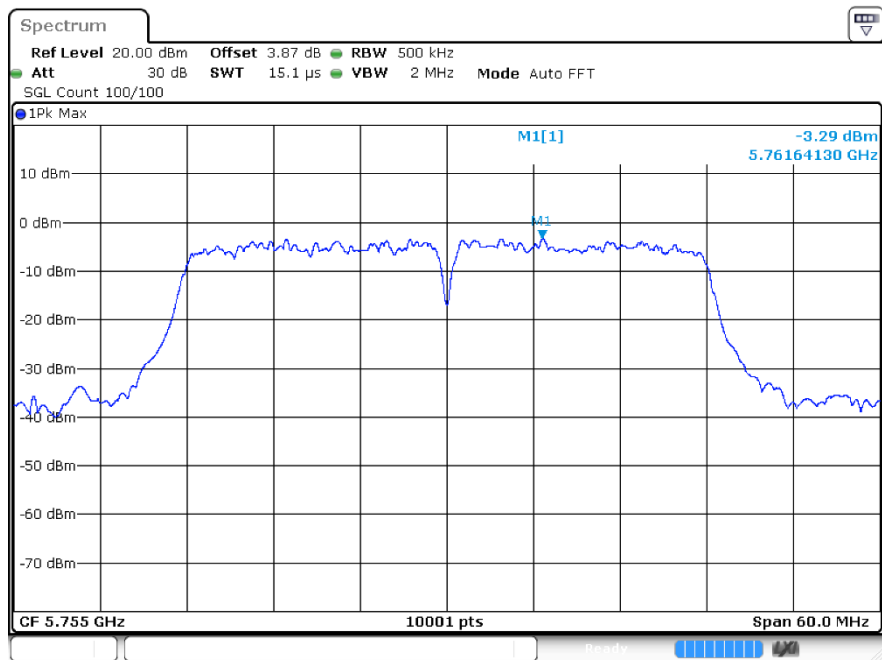
PSD ac20 5785MHz Ant2



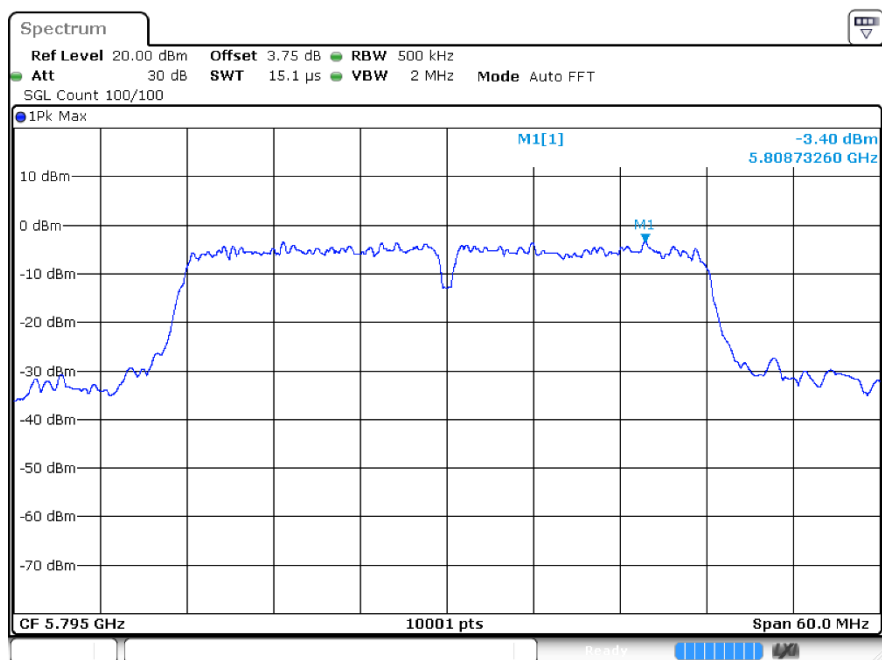
PSD ac20 5825MHz Ant2



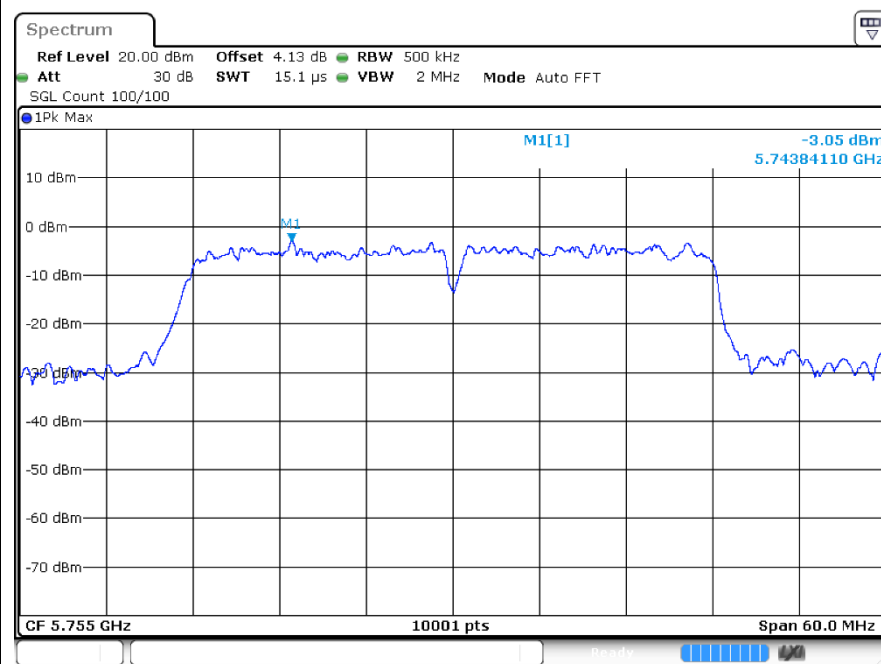
PSD ac40 5755MHz Ant1



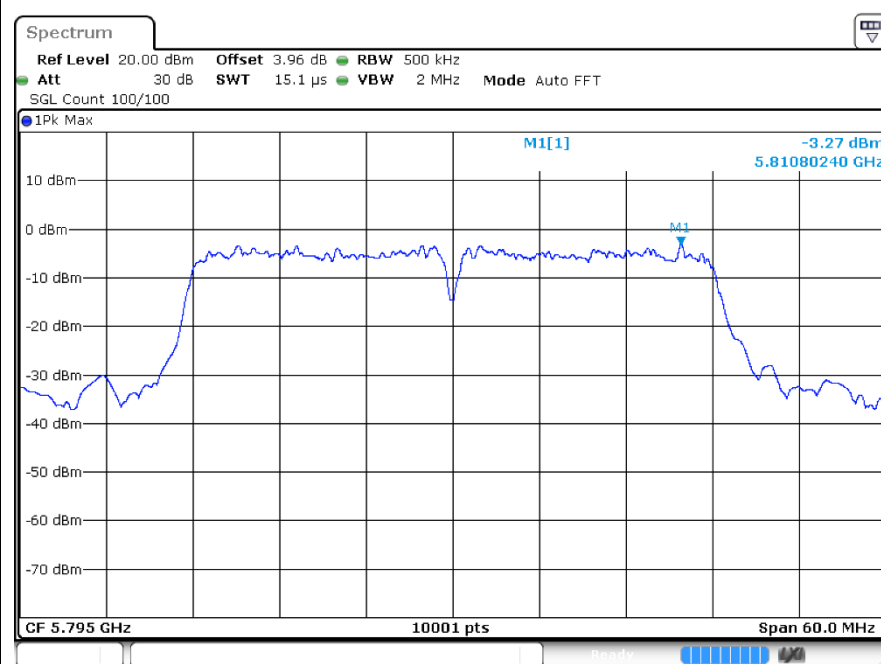
PSD ac40 5795MHz Ant1



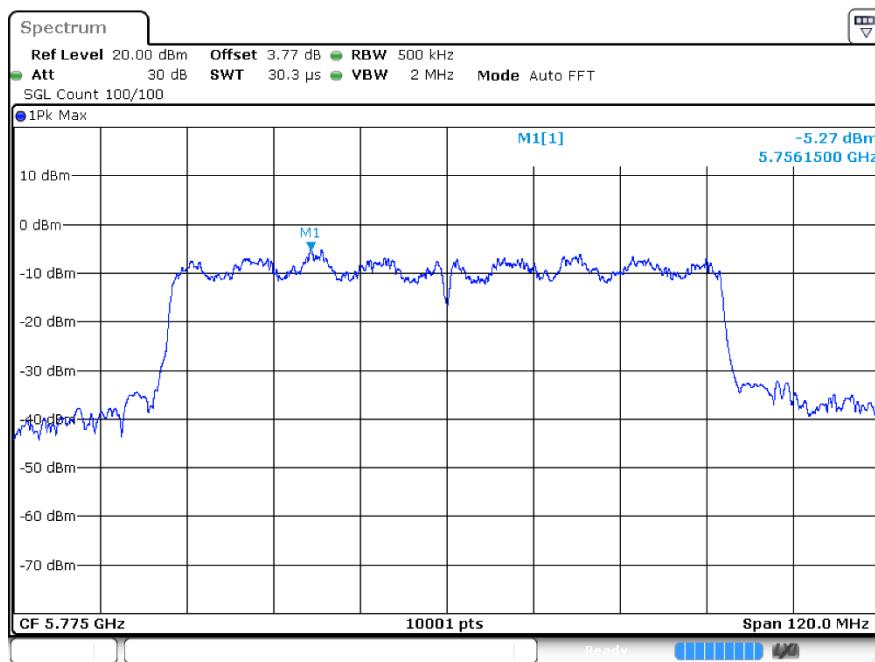
PSD ac40 5755MHz Ant2



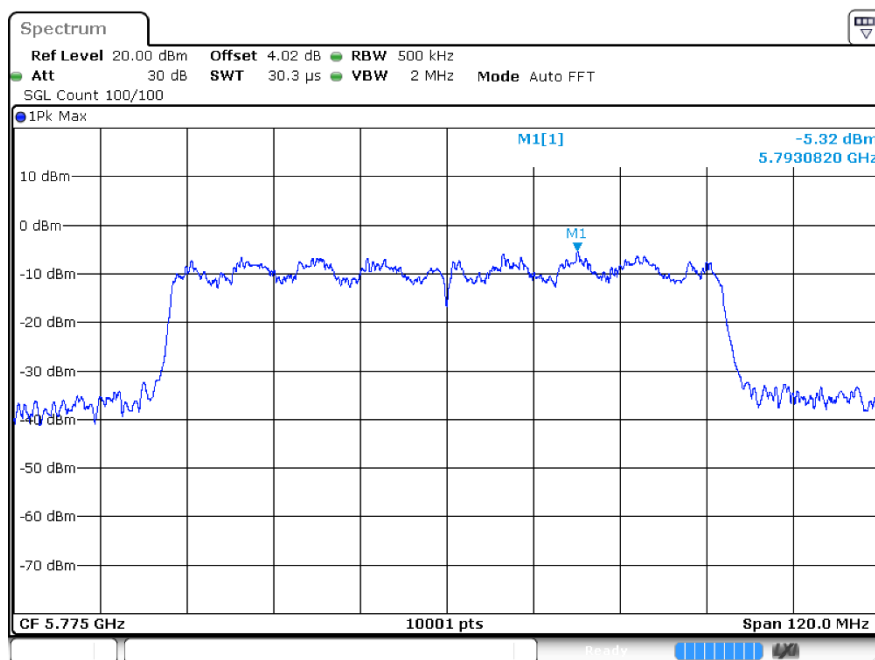
PSD ac40 5795MHz Ant2



PSD ac80 5775MHz Ant1



PSD ac80 5775MHz Ant2





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	0	0	25	Pass
20C 138V	a	5745	Ant1	5744.98	-20000	-3.48	25	Pass
-20C 120V	a	5745	Ant1	5744.98	-20000	-3.48	25	Pass
-10C 120V	a	5745	Ant1	5745	0	0	25	Pass
0C 120V	a	5745	Ant1	5744.98	-20000	-3.48	25	Pass
10C 120V	a	5745	Ant1	5745	0	0	25	Pass
30C 120V	a	5745	Ant1	5744.96	-40000	-6.96	25	Pass
40C 120V	a	5745	Ant1	5744.98	-20000	-3.48	25	Pass
50C 120V	a	5745	Ant1	5745	0	0	25	Pass
20C 102V	a	5785	Ant1	5784.98	-20000	-3.46	25	Pass
20C 120V	a	5785	Ant1	5784.98	-20000	-3.46	25	Pass
20C 138V	a	5785	Ant1	5784.98	-20000	-3.46	25	Pass
-20C 120V	a	5785	Ant1	5784.96	-40000	-6.91	25	Pass
-10C 120V	a	5785	Ant1	5785	0	0	25	Pass
0C 120V	a	5785	Ant1	5784.98	-20000	-3.46	25	Pass
10C 120V	a	5785	Ant1	5784.98	-20000	-3.46	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	5784.96	-40000	-6.91	25	Pass
20C 102V	a	5825	Ant1	5824.98	-20000	-3.43	25	Pass
20C 120V	a	5825	Ant1	5824.98	-20000	-3.43	25	Pass
20C 138V	a	5825	Ant1	5824.98	-20000	-3.43	25	Pass
-20C 120V	a	5825	Ant1	5824.98	-20000	-3.43	25	Pass
-10C 120V	a	5825	Ant1	5824.98	-20000	-3.43	25	Pass
0C 120V	a	5825	Ant1	5825	0	0	25	Pass
10C 120V	a	5825	Ant1	5825	0	0	25	Pass
30C 120V	a	5825	Ant1	5824.98	-20000	-3.43	25	Pass
40C 120V	a	5825	Ant1	5824.98	-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	5744.98	-20000	-3.48	25	Pass
20C 138V	n20	5745	Ant1	5744.98	-20000	-3.48	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	5744.98	-20000	-3.48	25	Pass



10C 120V	n20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
30C 120V	n20	5745	Ant1	5745	0	0	25	Pass
40C 120V	n20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
50C 120V	n20	5745	Ant1	5745	0	0	25	Pass
20C 102V	n20	5785	Ant1	5784.98	-20000	-3.46	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	5784.98	-20000	-3.46	25	Pass
-10C 120V	n20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
0C 120V	n20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
10C 120V	n20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
30C 120V	n20	5785	Ant1	5784.96	-40000	-6.91	25	Pass
40C 120V	n20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
50C 120V	n20	5785	Ant1	5784.98	-20000	-3.46	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	5824.98	-20000	-3.43	25	Pass
-20C 120V	n20	5825	Ant1	5825	0	0	25	Pass
-10C 120V	n20	5825	Ant1	5824.98	-20000	-3.43	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	5824.98	-20000	-3.43	25	Pass
40C 120V	n20	5825	Ant1	5825	0	0	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	5754.96	-40000	-6.95	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	5754.96	-40000	-6.95	25	Pass
30C 120V	n40	5755	Ant1	5755	0	0	25	Pass
40C 120V	n40	5755	Ant1	5755	0	0	25	Pass
50C 120V	n40	5755	Ant1	5755	0	0	25	Pass
20C 102V	n40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
20C 120V	n40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
20C 138V	n40	5795	Ant1	5795	0	0	25	Pass
-20C 120V	n40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
-10C 120V	n40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
0C 120V	n40	5795	Ant1	5795	0	0	25	Pass
10C 120V	n40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
30C 120V	n40	5795	Ant1	5794.96	-40000	-6.9	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	5744.98	-20000	-3.48	25	Pass
20C 120V	ac20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
20C 138V	ac20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
-20C 120V	ac20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
-10C 120V	ac20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
0C 120V	ac20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
10C 120V	ac20	5745	Ant1	5745	0	0	25	Pass
30C 120V	ac20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
40C 120V	ac20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
50C 120V	ac20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
20C 102V	ac20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
20C 120V	ac20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
20C 138V	ac20	5785	Ant1	5784.96	-40000	-6.91	25	Pass
-20C 120V	ac20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
-10C 120V	ac20	5785	Ant1	5784.98	-20000	-3.46	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	5784.98	-20000	-3.46	25	Pass
40C 120V	ac20	5785	Ant1	5785	0	0	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	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	5824.98	-20000	-3.43	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	5824.98	-20000	-3.43	25	Pass
40C 120V	ac20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
50C 120V	ac20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
20C 102V	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
20C 120V	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
20C 138V	ac40	5755	Ant1	5755	0	0	25	Pass
-20C 120V	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
-10C 120V	ac40	5755	Ant1	5755	0	0	25	Pass
0C 120V	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
10C 120V	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
30C 120V	ac40	5755	Ant1	5755	0	0	25	Pass
40C 120V	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
50C 120V	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
20C 102V	ac40	5795	Ant1	5795	0	0	25	Pass
20C 120V	ac40	5795	Ant1	5795	0	0	25	Pass



20C 138V	ac40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
-20C 120V	ac40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
-10C 120V	ac40	5795	Ant1	5795	0	0	25	Pass
0C 120V	ac40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
10C 120V	ac40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
30C 120V	ac40	5795	Ant1	5794.96	-40000	-6.9	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
20C 102V	a	5745	Ant2	5745	0	0	25	Pass
20C 120V	a	5745	Ant2	5744.96	-40000	-6.96	25	Pass
20C 138V	a	5745	Ant2	5744.96	-40000	-6.96	25	Pass
-20C 120V	a	5745	Ant2	5745	0	0	25	Pass
-10C 120V	a	5745	Ant2	5744.96	-40000	-6.96	25	Pass
0C 120V	a	5745	Ant2	5744.96	-40000	-6.96	25	Pass
10C 120V	a	5745	Ant2	5744.96	-40000	-6.96	25	Pass
30C 120V	a	5745	Ant2	5744.98	-20000	-3.48	25	Pass
40C 120V	a	5745	Ant2	5744.96	-40000	-6.96	25	Pass
50C 120V	a	5745	Ant2	5744.98	-20000	-3.48	25	Pass
20C 102V	a	5785	Ant2	5784.98	-20000	-3.46	25	Pass
20C 120V	a	5785	Ant2	5784.98	-20000	-3.46	25	Pass
20C 138V	a	5785	Ant2	5784.96	-40000	-6.91	25	Pass
-20C 120V	a	5785	Ant2	5784.96	-40000	-6.91	25	Pass
-10C 120V	a	5785	Ant2	5784.96	-40000	-6.91	25	Pass
0C 120V	a	5785	Ant2	5785	0	0	25	Pass
10C 120V	a	5785	Ant2	5784.98	-20000	-3.46	25	Pass
30C 120V	a	5785	Ant2	5784.98	-20000	-3.46	25	Pass
40C 120V	a	5785	Ant2	5784.96	-40000	-6.91	25	Pass
50C 120V	a	5785	Ant2	5784.98	-20000	-3.46	25	Pass
20C 102V	a	5825	Ant2	5824.98	-20000	-3.43	25	Pass
20C 120V	a	5825	Ant2	5824.98	-20000	-3.43	25	Pass
20C 138V	a	5825	Ant2	5824.98	-20000	-3.43	25	Pass
-20C 120V	a	5825	Ant2	5824.98	-20000	-3.43	25	Pass
-10C 120V	a	5825	Ant2	5824.98	-20000	-3.43	25	Pass



0C 120V	a	5825	Ant2	5824.98	-20000	-3.43	25	Pass
10C 120V	a	5825	Ant2	5824.98	-20000	-3.43	25	Pass
30C 120V	a	5825	Ant2	5824.98	-20000	-3.43	25	Pass
40C 120V	a	5825	Ant2	5824.96	-40000	-6.87	25	Pass
50C 120V	a	5825	Ant2	5824.98	-20000	-3.43	25	Pass
20C 102V	n20	5745	Ant2	5744.98	-20000	-3.48	25	Pass
20C 120V	n20	5745	Ant2	5744.98	-20000	-3.48	25	Pass
20C 138V	n20	5745	Ant2	5744.98	-20000	-3.48	25	Pass
-20C 120V	n20	5745	Ant2	5744.98	-20000	-3.48	25	Pass
-10C 120V	n20	5745	Ant2	5744.98	-20000	-3.48	25	Pass
0C 120V	n20	5745	Ant2	5744.98	-20000	-3.48	25	Pass
10C 120V	n20	5745	Ant2	5745	0	0	25	Pass
30C 120V	n20	5745	Ant2	5744.98	-20000	-3.48	25	Pass
40C 120V	n20	5745	Ant2	5744.98	-20000	-3.48	25	Pass
50C 120V	n20	5745	Ant2	5745	0	0	25	Pass
20C 102V	n20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
20C 120V	n20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
20C 138V	n20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
-20C 120V	n20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
-10C 120V	n20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
0C 120V	n20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
10C 120V	n20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
30C 120V	n20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
40C 120V	n20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
50C 120V	n20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
20C 102V	n20	5825	Ant2	5824.98	-20000	-3.43	25	Pass
20C 120V	n20	5825	Ant2	5824.98	-20000	-3.43	25	Pass
20C 138V	n20	5825	Ant2	5824.98	-20000	-3.43	25	Pass
-20C 120V	n20	5825	Ant2	5824.98	-20000	-3.43	25	Pass
-10C 120V	n20	5825	Ant2	5824.98	-20000	-3.43	25	Pass
0C 120V	n20	5825	Ant2	5824.98	-20000	-3.43	25	Pass
10C 120V	n20	5825	Ant2	5824.98	-20000	-3.43	25	Pass
30C 120V	n20	5825	Ant2	5824.98	-20000	-3.43	25	Pass
40C 120V	n20	5825	Ant2	5824.96	-40000	-6.87	25	Pass
50C 120V	n20	5825	Ant2	5824.98	-20000	-3.43	25	Pass
20C 102V	n40	5755	Ant2	5755	0	0	25	Pass
20C 120V	n40	5755	Ant2	5754.96	-40000	-6.95	25	Pass
20C 138V	n40	5755	Ant2	5755	0	0	25	Pass
-20C 120V	n40	5755	Ant2	5755	0	0	25	Pass
-10C 120V	n40	5755	Ant2	5755	0	0	25	Pass
0C 120V	n40	5755	Ant2	5755	0	0	25	Pass
10C 120V	n40	5755	Ant2	5755	0	0	25	Pass
30C 120V	n40	5755	Ant2	5755	0	0	25	Pass



40C 120V	n40	5755	Ant2	5755	0	0	25	Pass
50C 120V	n40	5755	Ant2	5754.96	-40000	-6.95	25	Pass
20C 102V	n40	5795	Ant2	5795	0	0	25	Pass
20C 120V	n40	5795	Ant2	5794.96	-40000	-6.9	25	Pass
20C 138V	n40	5795	Ant2	5794.96	-40000	-6.9	25	Pass
-20C 120V	n40	5795	Ant2	5794.96	-40000	-6.9	25	Pass
-10C 120V	n40	5795	Ant2	5795	0	0	25	Pass
0C 120V	n40	5795	Ant2	5794.96	-40000	-6.9	25	Pass
10C 120V	n40	5795	Ant2	5795	0	0	25	Pass
30C 120V	n40	5795	Ant2	5794.96	-40000	-6.9	25	Pass
40C 120V	n40	5795	Ant2	5794.96	-40000	-6.9	25	Pass
50C 120V	n40	5795	Ant2	5795	0	0	25	Pass
20C 102V	ac20	5745	Ant2	5744.98	-20000	-3.48	25	Pass
20C 120V	ac20	5745	Ant2	5744.98	-20000	-3.48	25	Pass
20C 138V	ac20	5745	Ant2	5744.98	-20000	-3.48	25	Pass
-20C 120V	ac20	5745	Ant2	5744.96	-40000	-6.96	25	Pass
-10C 120V	ac20	5745	Ant2	5744.98	-20000	-3.48	25	Pass
0C 120V	ac20	5745	Ant2	5744.98	-20000	-3.48	25	Pass
10C 120V	ac20	5745	Ant2	5744.98	-20000	-3.48	25	Pass
30C 120V	ac20	5745	Ant2	5744.98	-20000	-3.48	25	Pass
40C 120V	ac20	5745	Ant2	5744.98	-20000	-3.48	25	Pass
50C 120V	ac20	5745	Ant2	5744.98	-20000	-3.48	25	Pass
20C 102V	ac20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
20C 120V	ac20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
20C 138V	ac20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
-20C 120V	ac20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
-10C 120V	ac20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
0C 120V	ac20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
10C 120V	ac20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
30C 120V	ac20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
40C 120V	ac20	5785	Ant2	5784.96	-40000	-6.91	25	Pass
50C 120V	ac20	5785	Ant2	5784.98	-20000	-3.46	25	Pass
20C 102V	ac20	5825	Ant2	5824.98	-20000	-3.43	25	Pass
20C 120V	ac20	5825	Ant2	5824.98	-20000	-3.43	25	Pass
20C 138V	ac20	5825	Ant2	5824.98	-20000	-3.43	25	Pass
-20C 120V	ac20	5825	Ant2	5824.98	-20000	-3.43	25	Pass
-10C 120V	ac20	5825	Ant2	5824.96	-40000	-6.87	25	Pass
0C 120V	ac20	5825	Ant2	5824.98	-20000	-3.43	25	Pass
10C 120V	ac20	5825	Ant2	5824.98	-20000	-3.43	25	Pass
30C 120V	ac20	5825	Ant2	5824.98	-20000	-3.43	25	Pass
40C 120V	ac20	5825	Ant2	5824.96	-40000	-6.87	25	Pass
50C 120V	ac20	5825	Ant2	5824.98	-20000	-3.43	25	Pass
20C 102V	ac40	5755	Ant2	5755	0	0	25	Pass



20C 120V	ac40	5755	Ant2	5755	0	0	25	Pass
20C 138V	ac40	5755	Ant2	5754.96	-40000	-6.95	25	Pass
-20C 120V	ac40	5755	Ant2	5754.96	-40000	-6.95	25	Pass
-10C 120V	ac40	5755	Ant2	5754.96	-40000	-6.95	25	Pass
0C 120V	ac40	5755	Ant2	5755	0	0	25	Pass
10C 120V	ac40	5755	Ant2	5754.96	-40000	-6.95	25	Pass
30C 120V	ac40	5755	Ant2	5755	0	0	25	Pass
40C 120V	ac40	5755	Ant2	5755	0	0	25	Pass
50C 120V	ac40	5755	Ant2	5754.96	-40000	-6.95	25	Pass
20C 102V	ac40	5795	Ant2	5795	0	0	25	Pass
20C 120V	ac40	5795	Ant2	5794.96	-40000	-6.9	25	Pass
20C 138V	ac40	5795	Ant2	5795	0	0	25	Pass
-20C 120V	ac40	5795	Ant2	5794.96	-40000	-6.9	25	Pass
-10C 120V	ac40	5795	Ant2	5794.96	-40000	-6.9	25	Pass
0C 120V	ac40	5795	Ant2	5794.96	-40000	-6.9	25	Pass
10C 120V	ac40	5795	Ant2	5794.96	-40000	-6.9	25	Pass
30C 120V	ac40	5795	Ant2	5795	0	0	25	Pass
40C 120V	ac40	5795	Ant2	5794.96	-40000	-6.9	25	Pass
50C 120V	ac40	5795	Ant2	5794.96	-40000	-6.9	25	Pass
20C 102V	ac80	5775	Ant2	5775	0	0	25	Pass
20C 120V	ac80	5775	Ant2	5775	0	0	25	Pass
20C 138V	ac80	5775	Ant2	5775	0	0	25	Pass
-20C 120V	ac80	5775	Ant2	5775	0	0	25	Pass
-10C 120V	ac80	5775	Ant2	5775	0	0	25	Pass
0C 120V	ac80	5775	Ant2	5775	0	0	25	Pass
10C 120V	ac80	5775	Ant2	5775	0	0	25	Pass
30C 120V	ac80	5775	Ant2	5775	0	0	25	Pass
40C 120V	ac80	5775	Ant2	5775	0	0	25	Pass
50C 120V	ac80	5775	Ant2	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	-35.39	-27	Pass
a	5785	Ant1	-36.36	-27	Pass
a	5825	Ant1	-35.84	-27	Pass
n20	5745	Ant1	-34.82	-27	Pass
n20	5785	Ant1	-35.53	-27	Pass
n20	5825	Ant1	-35.3	-27	Pass
n40	5755	Ant1	-35.75	-27	Pass
n40	5795	Ant1	-35.69	-27	Pass
ac20	5745	Ant1	-35.6	-27	Pass
ac20	5785	Ant1	-35.49	-27	Pass
ac20	5825	Ant1	-34.77	-27	Pass
ac40	5755	Ant1	-35.48	-27	Pass
ac40	5795	Ant1	-35.86	-27	Pass
ac80	5775	Ant1	-36.13	-27	Pass
a	5745	Ant2	-35.88	-27	Pass
a	5785	Ant2	-35.46	-27	Pass
a	5825	Ant2	-35.74	-27	Pass
n20	5745	Ant2	-35.33	-27	Pass
n20	5785	Ant2	-35.16	-27	Pass
n20	5825	Ant2	-35.67	-27	Pass
n40	5755	Ant2	-35.41	-27	Pass
n40	5795	Ant2	-34.94	-27	Pass
ac20	5745	Ant2	-35.33	-27	Pass
ac20	5785	Ant2	-34.61	-27	Pass
ac20	5825	Ant2	-35.7	-27	Pass
ac40	5755	Ant2	-35.31	-27	Pass
ac40	5795	Ant2	-35.64	-27	Pass
ac80	5775	Ant2	-35.33	-27	Pass

7.2 Test Graphs

