



Appendix E

RF Test Data for 5.8GWIFI(Conducted Measurement)

Product Name: Mini PC

Trade Mark: Blackview

Test Model: MP80

Environmental Conditions

Temperature:	25.5°C
Relative Humidity:	52.4%
ATM Pressure:	101Kpa
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.....	18
2.1 Test Result.....	18
3 -6dB Bandwidth.....	20
3.1 Test Result.....	20
3.2 Test Graphs.....	21
4 Occupied Channel Bandwidth.....	35
4.1 Test Result.....	35
4.2 Test Graphs.....	36
5 Maximum Power Spectral Density Level.....	50
5.1 Test Result.....	50
5.2 Test Graphs.....	52
6 Frequency Stability.....	66
6.1 Test Result.....	66
7 Conducted RF Spurious Emission.....	73
7.1 Test Result.....	73
7.2 Test Graphs.....	74
8 Restrict Band.....	88
8.1 Test Result.....	88
8.2 Test Graphs.....	95



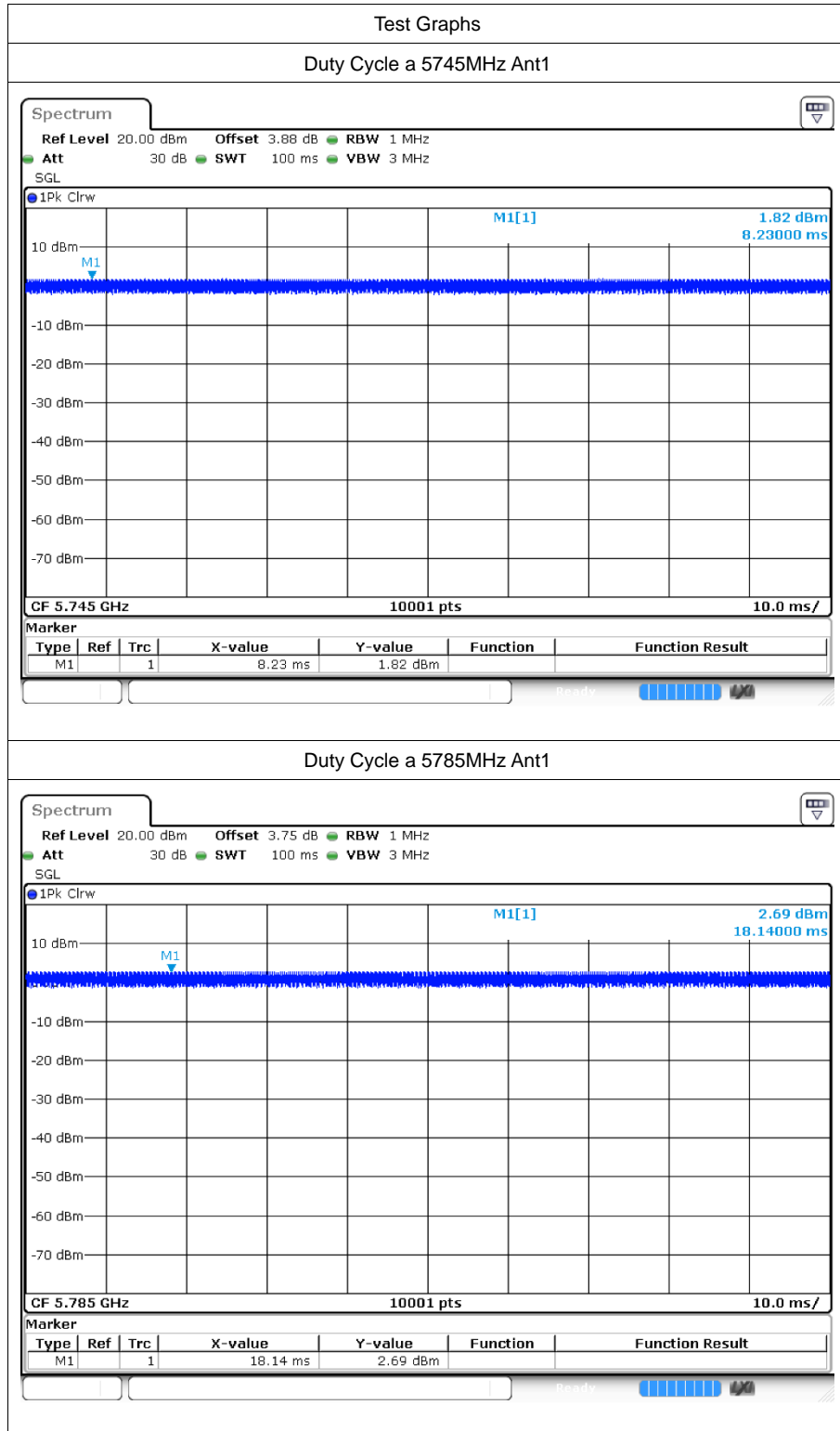
1 Duty Cycle

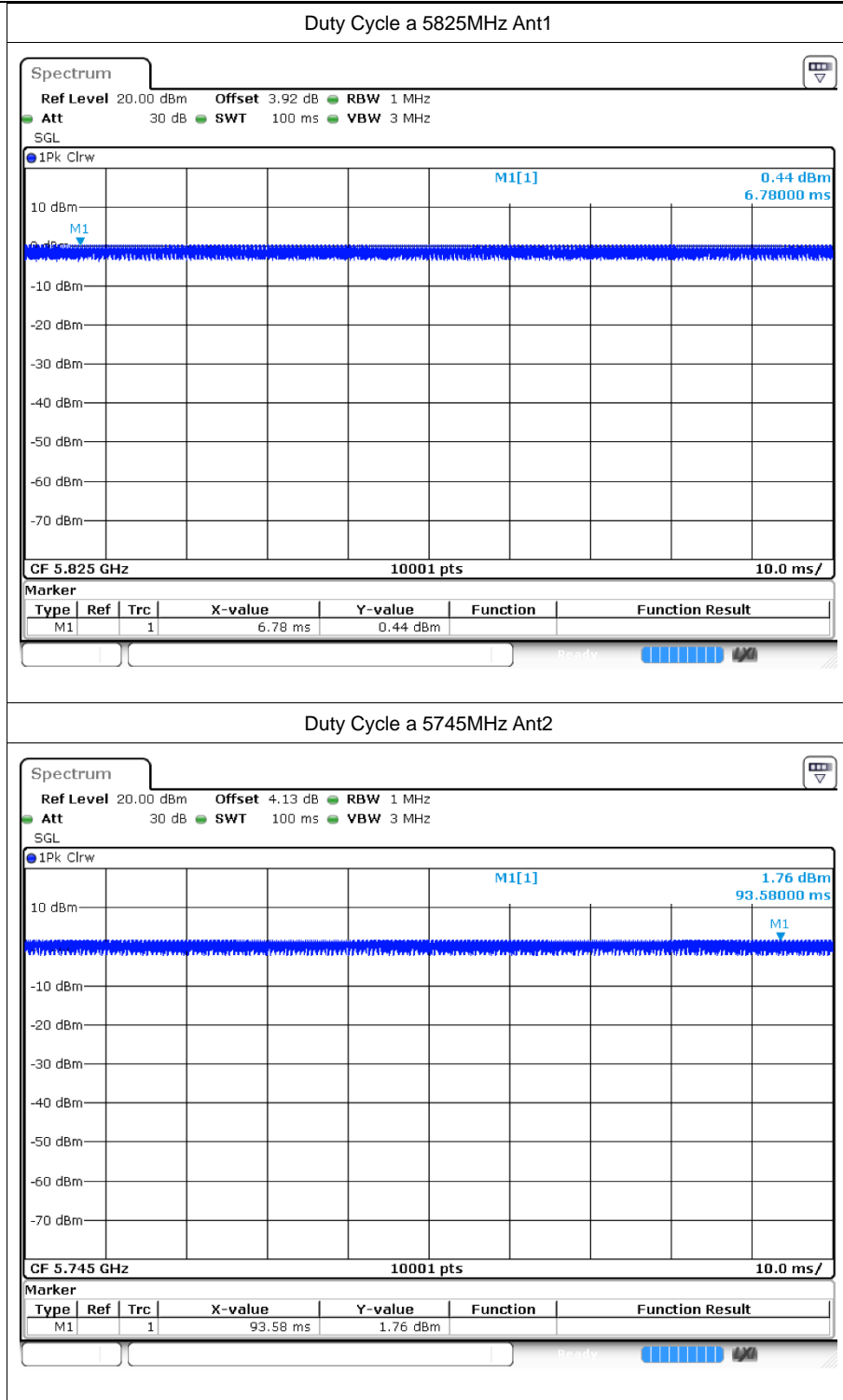
1.1 Test Result

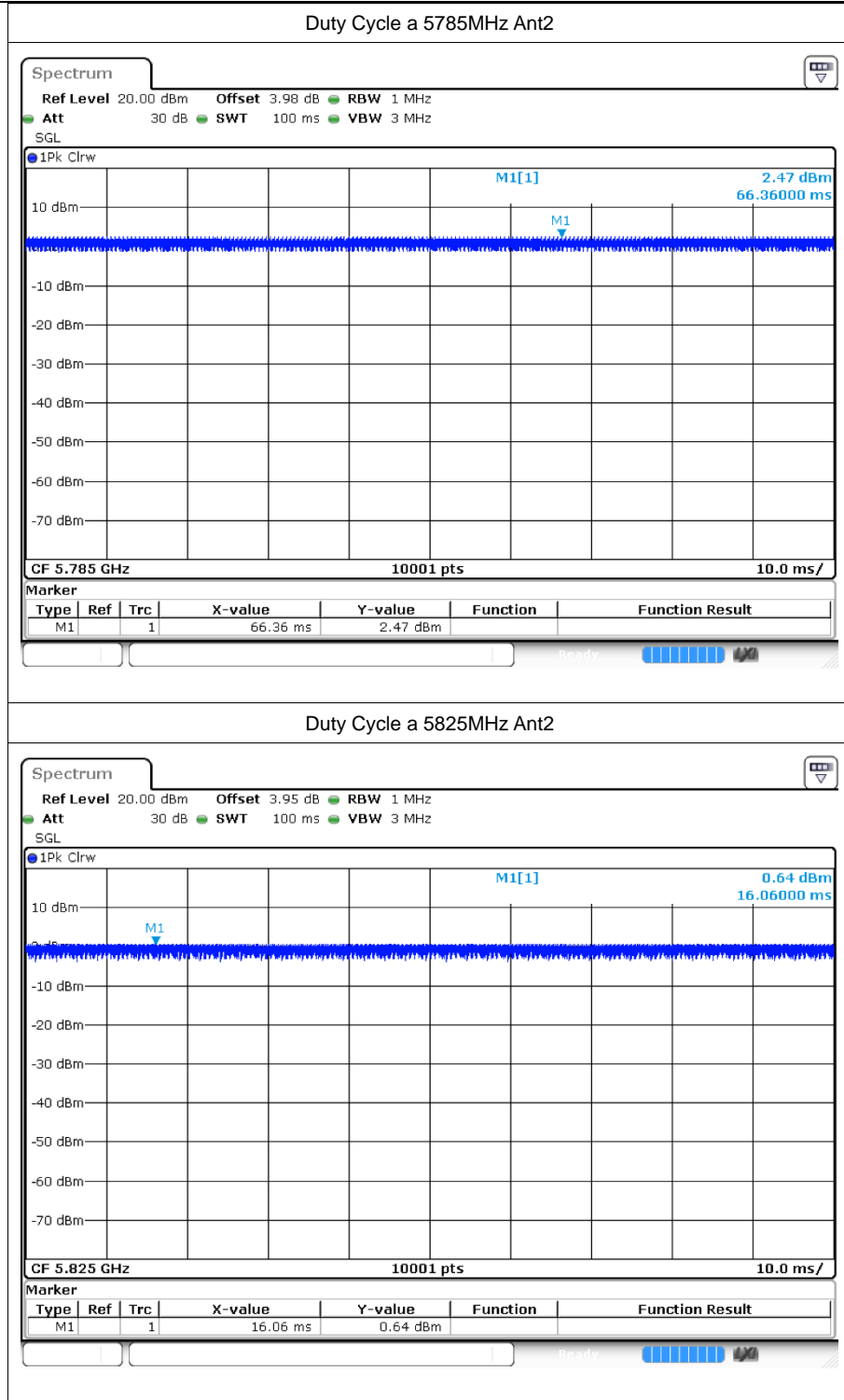
Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
a	5745	Ant1	100	0	0
a	5785	Ant1	100	0	0
a	5825	Ant1	100	0	0
a	5745	Ant2	100	0	0
a	5785	Ant2	100	0	0
a	5825	Ant2	100	0	0
n20	5745	Ant1	100	0	0
n20	5785	Ant1	100	0	0
n20	5825	Ant1	100	0	0
n20	5745	Ant2	100	0	0
n20	5785	Ant2	100	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

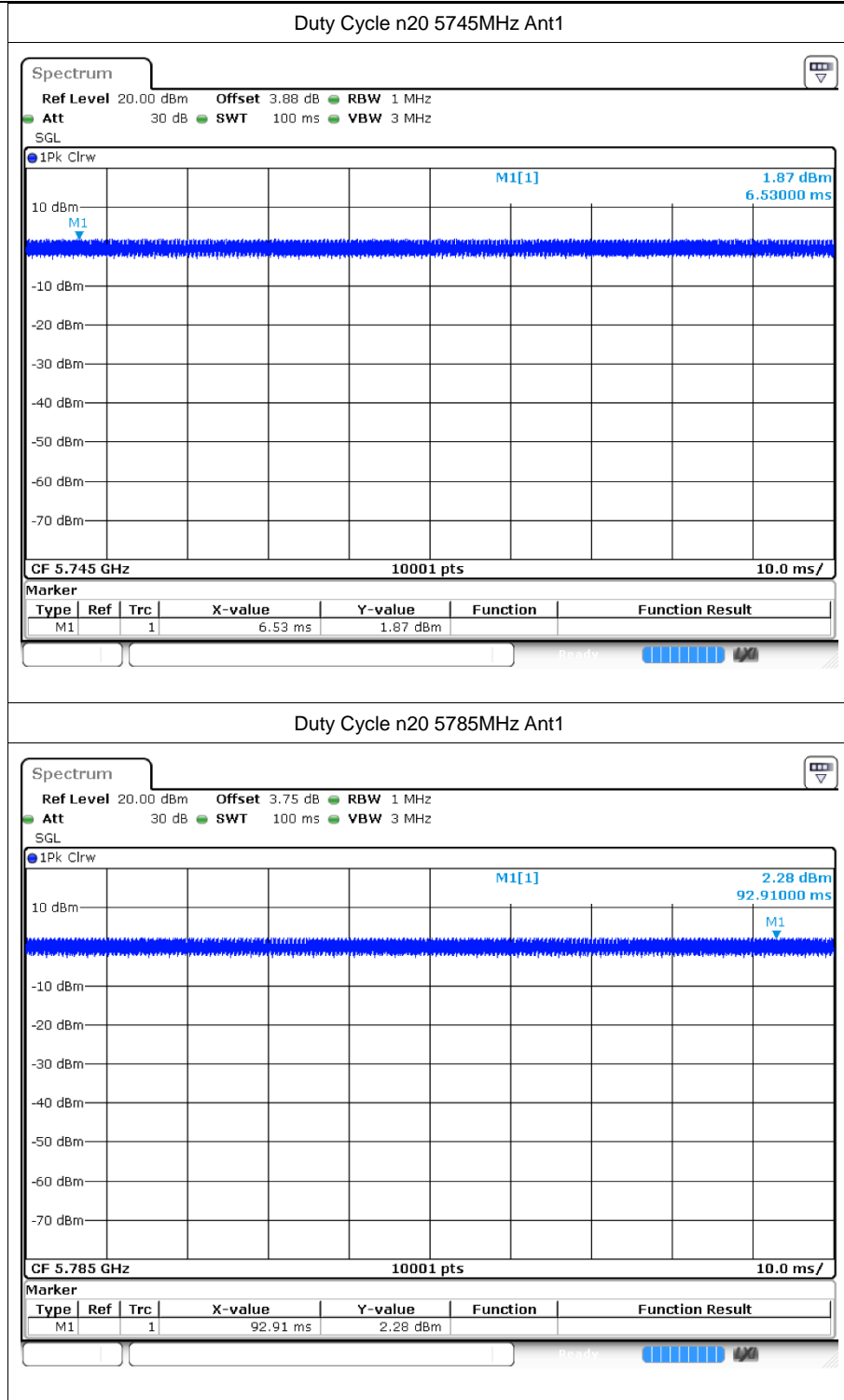


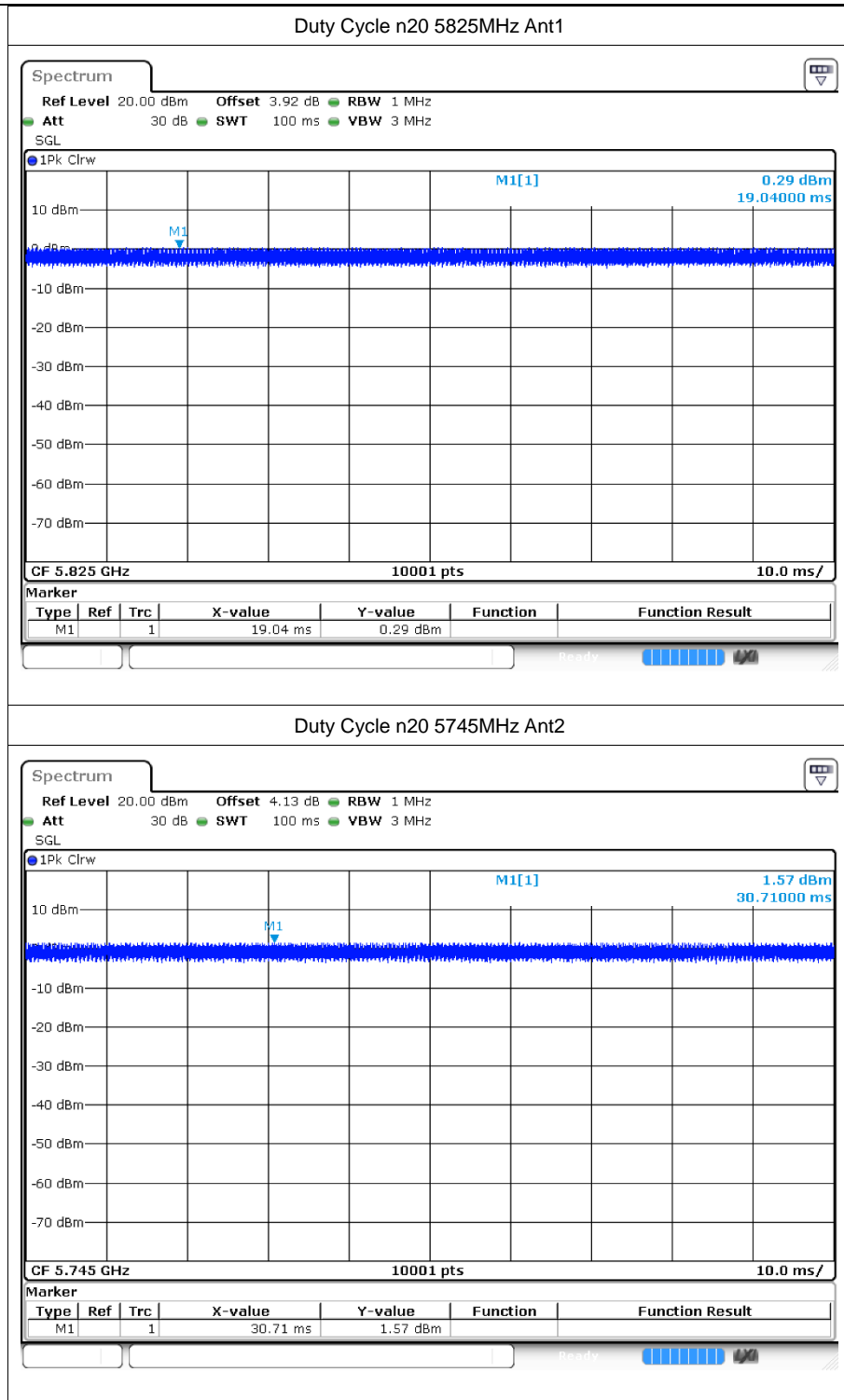
1.2 Test Graphs

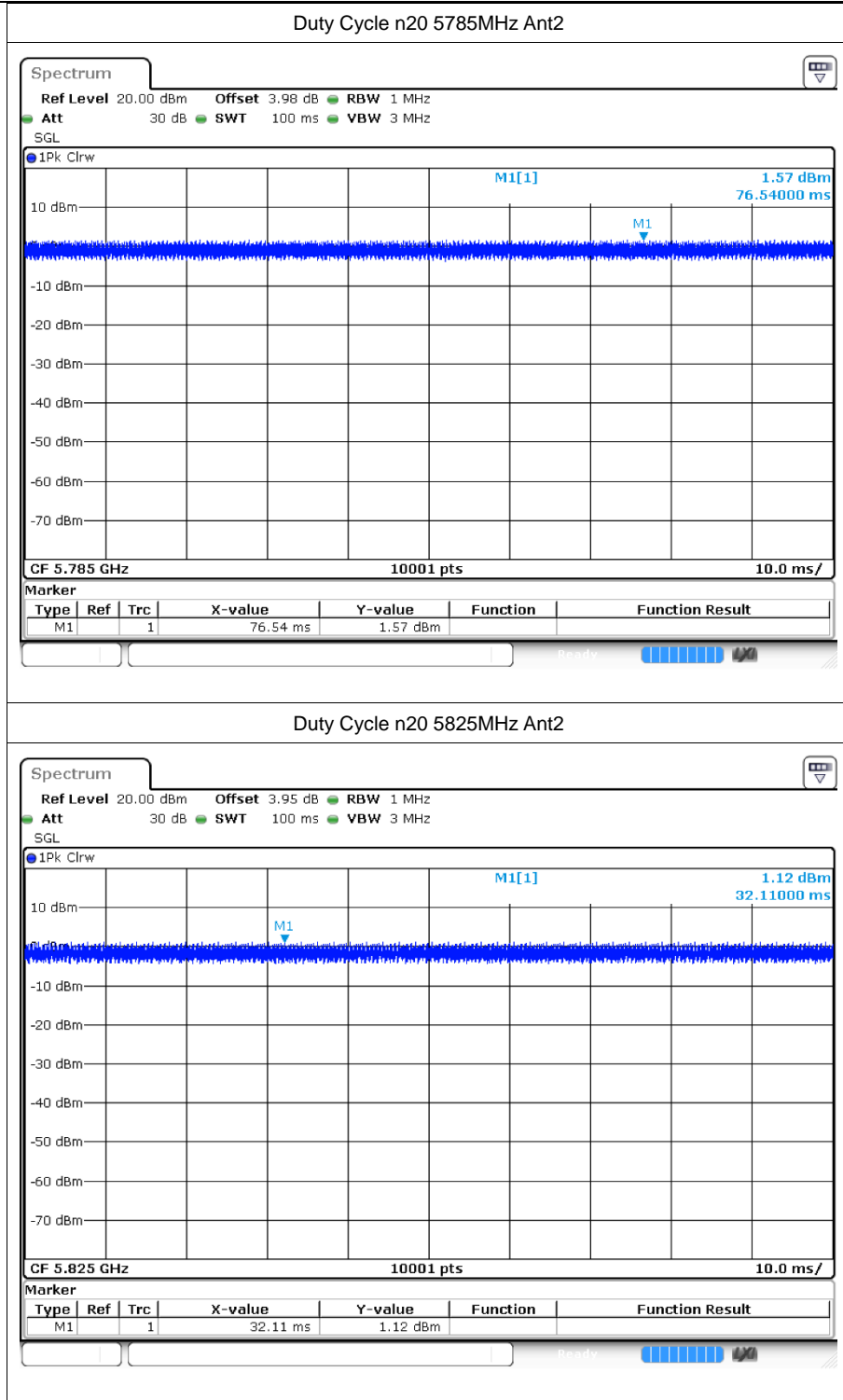


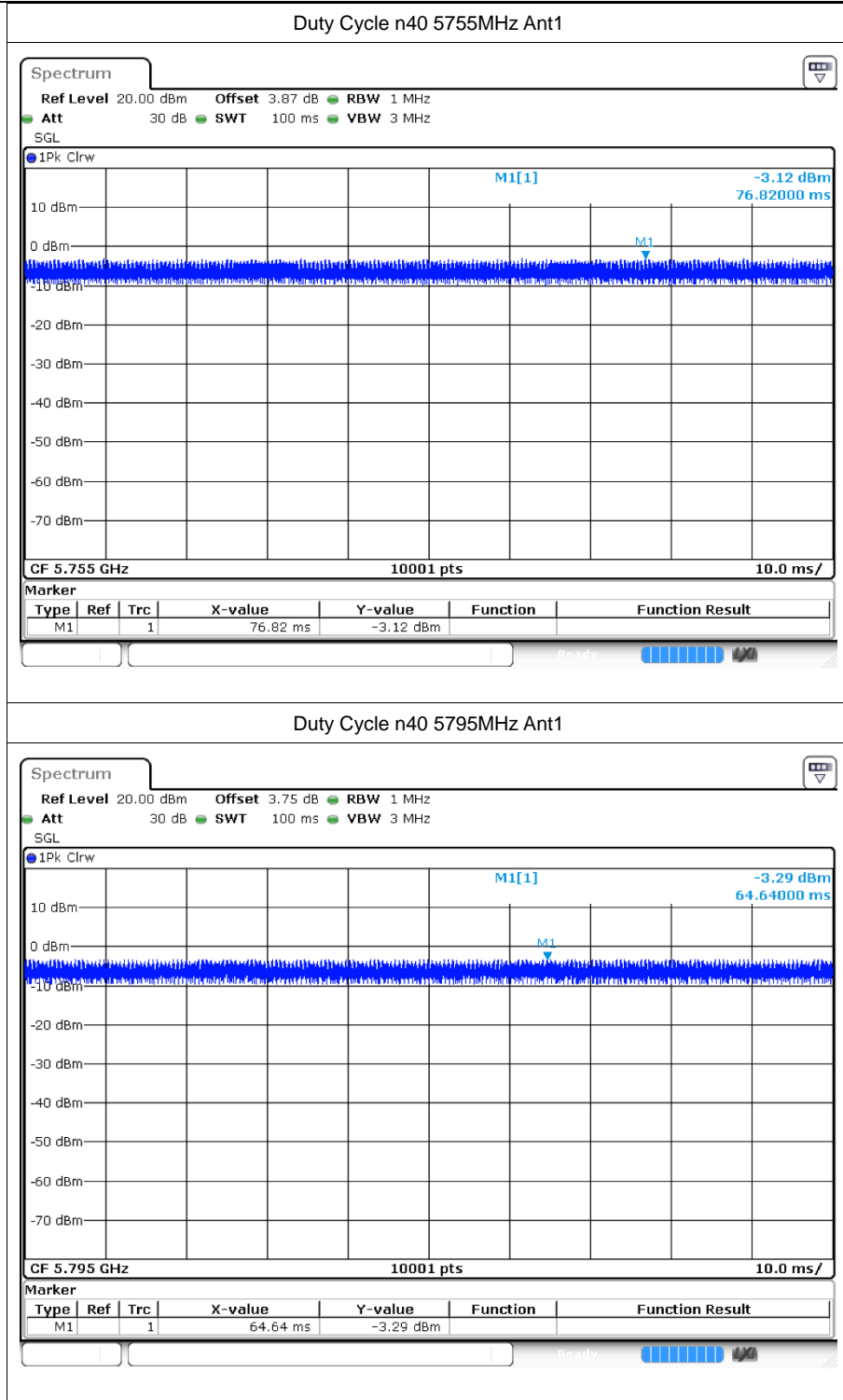


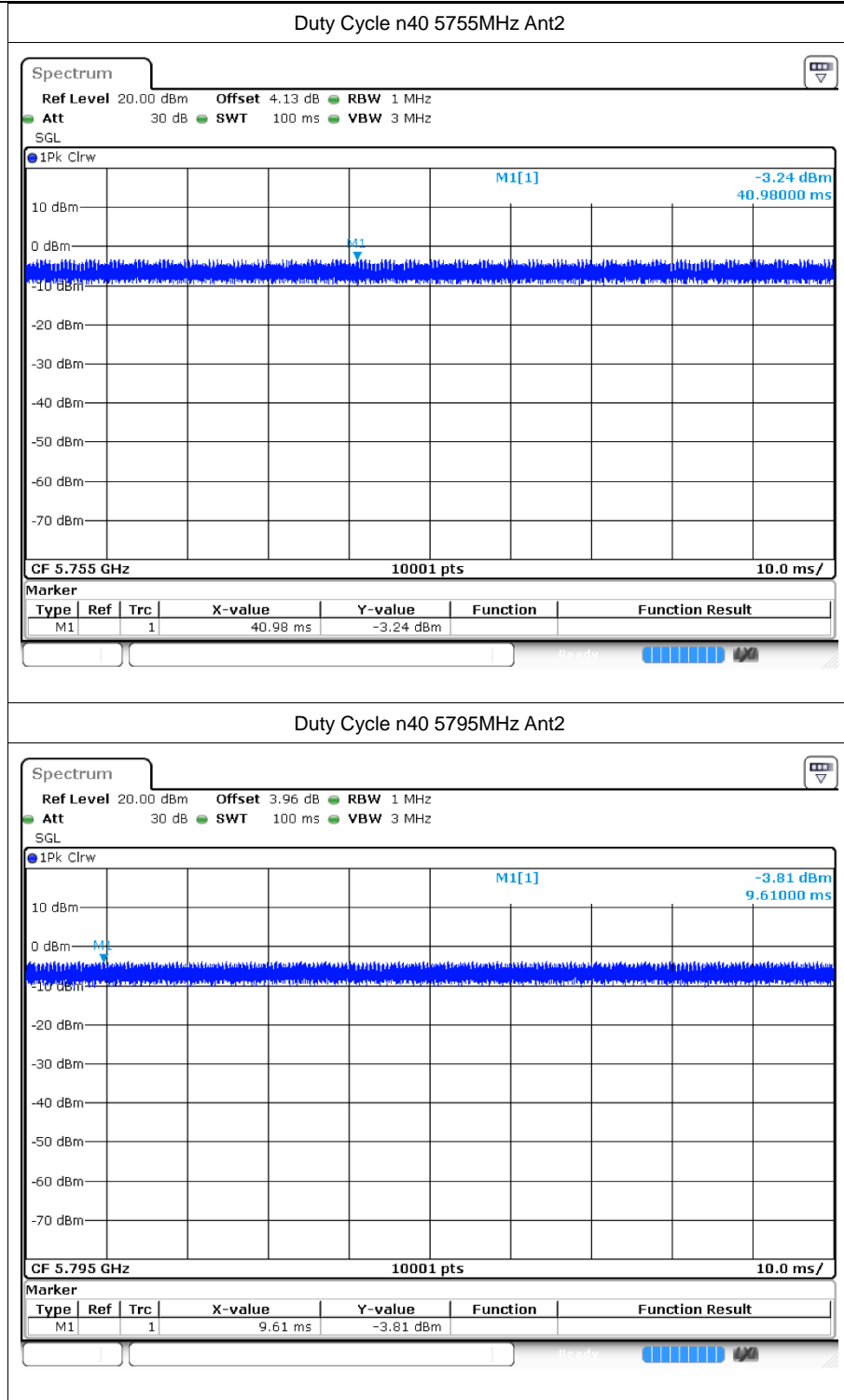


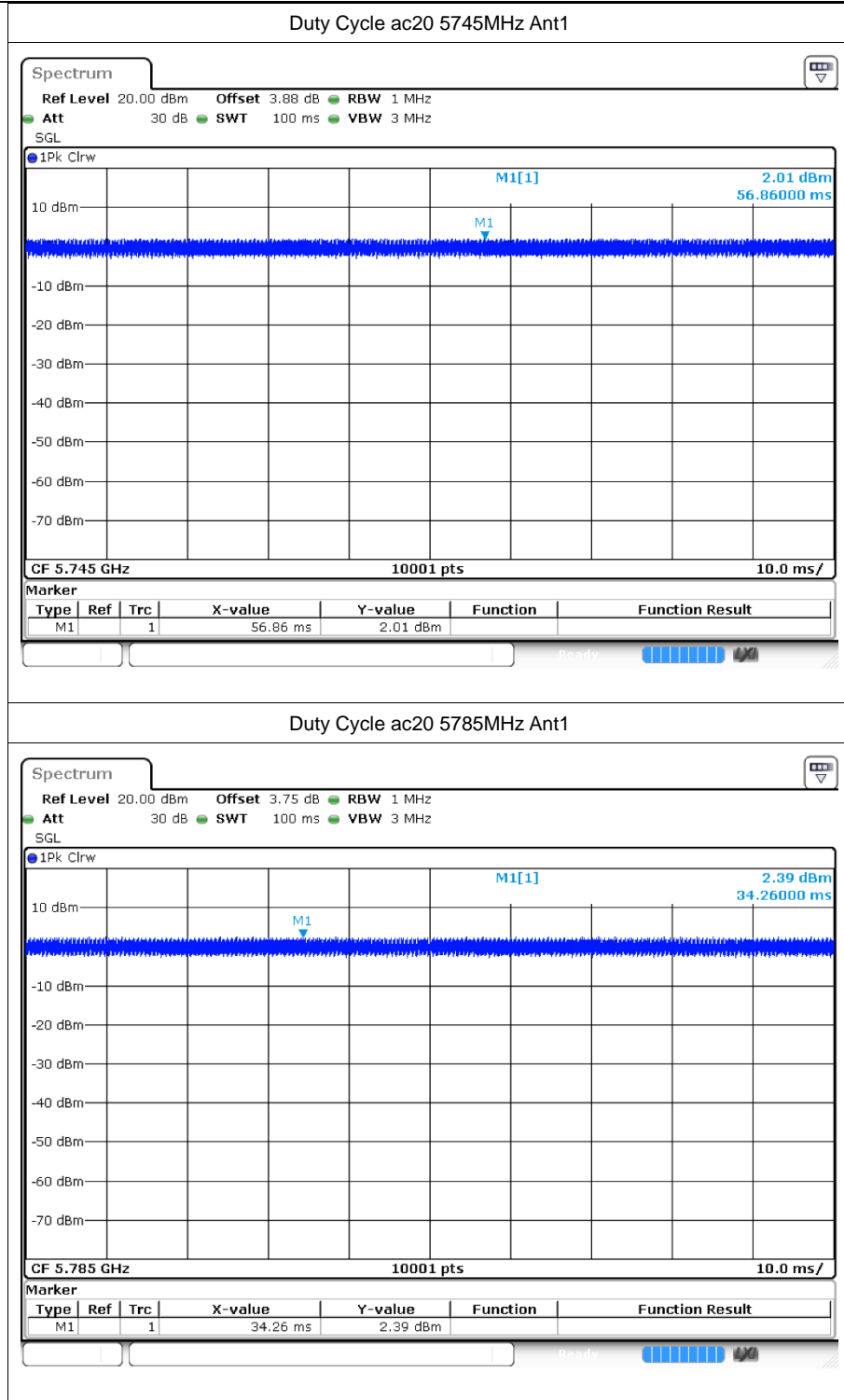


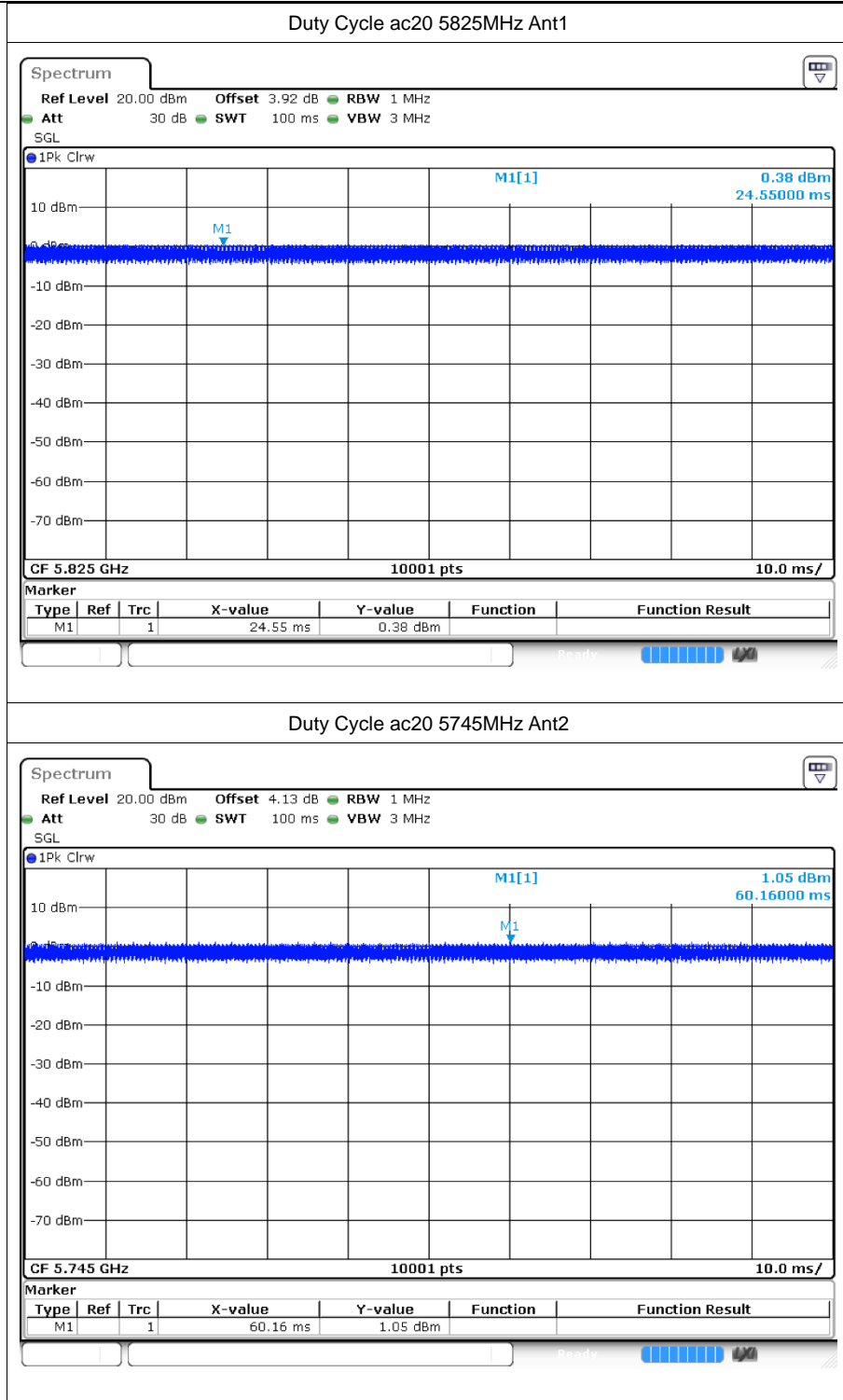


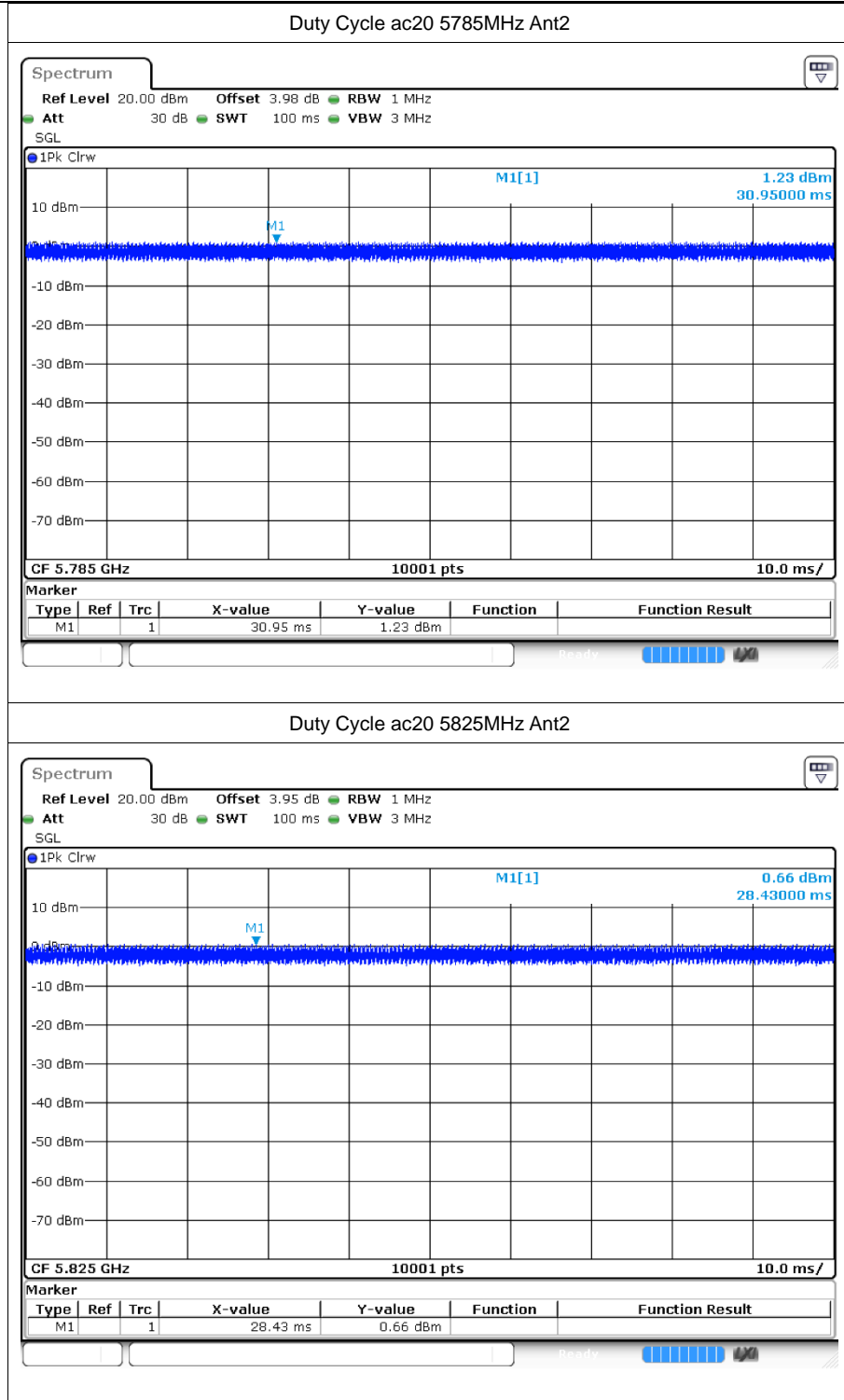


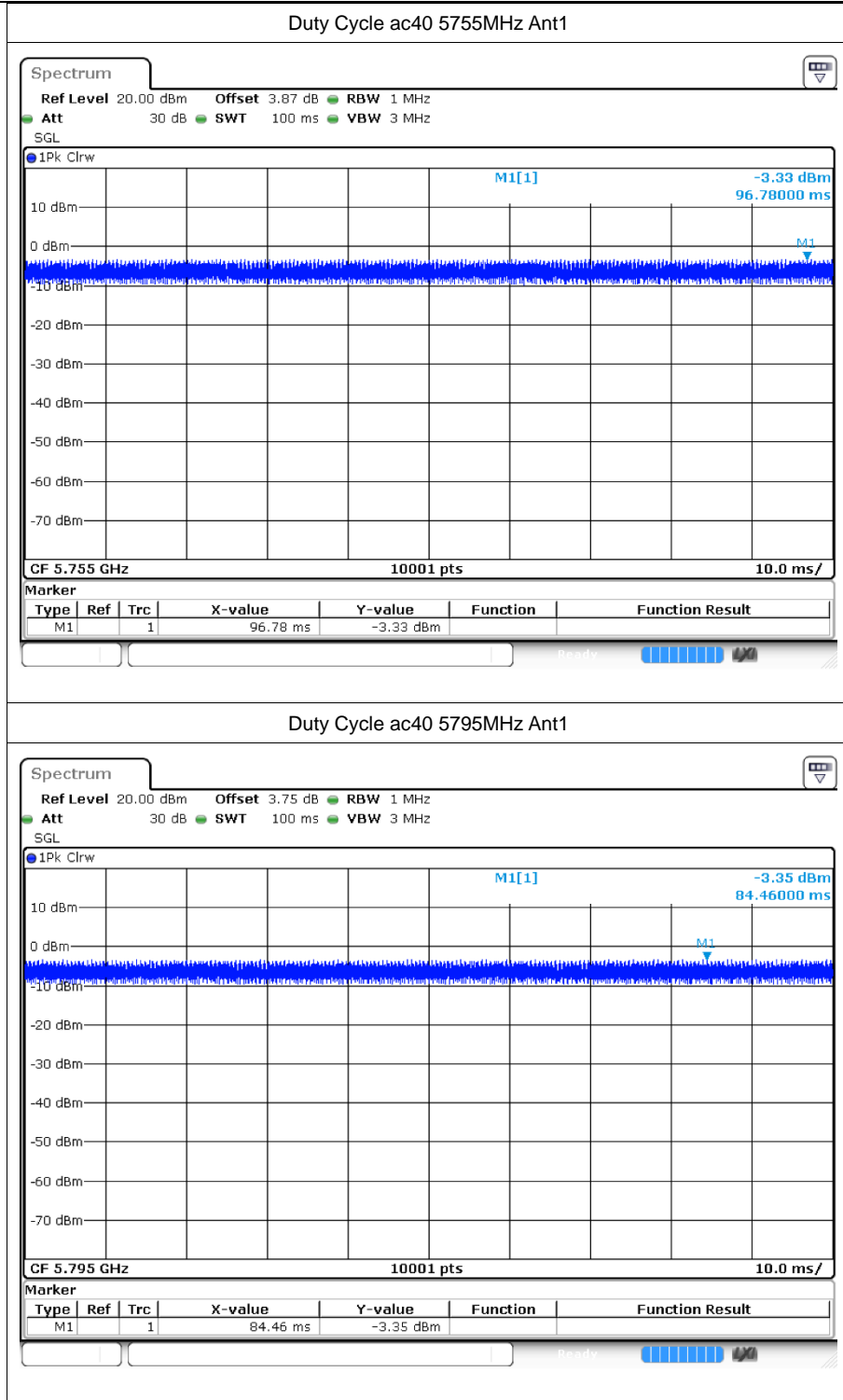


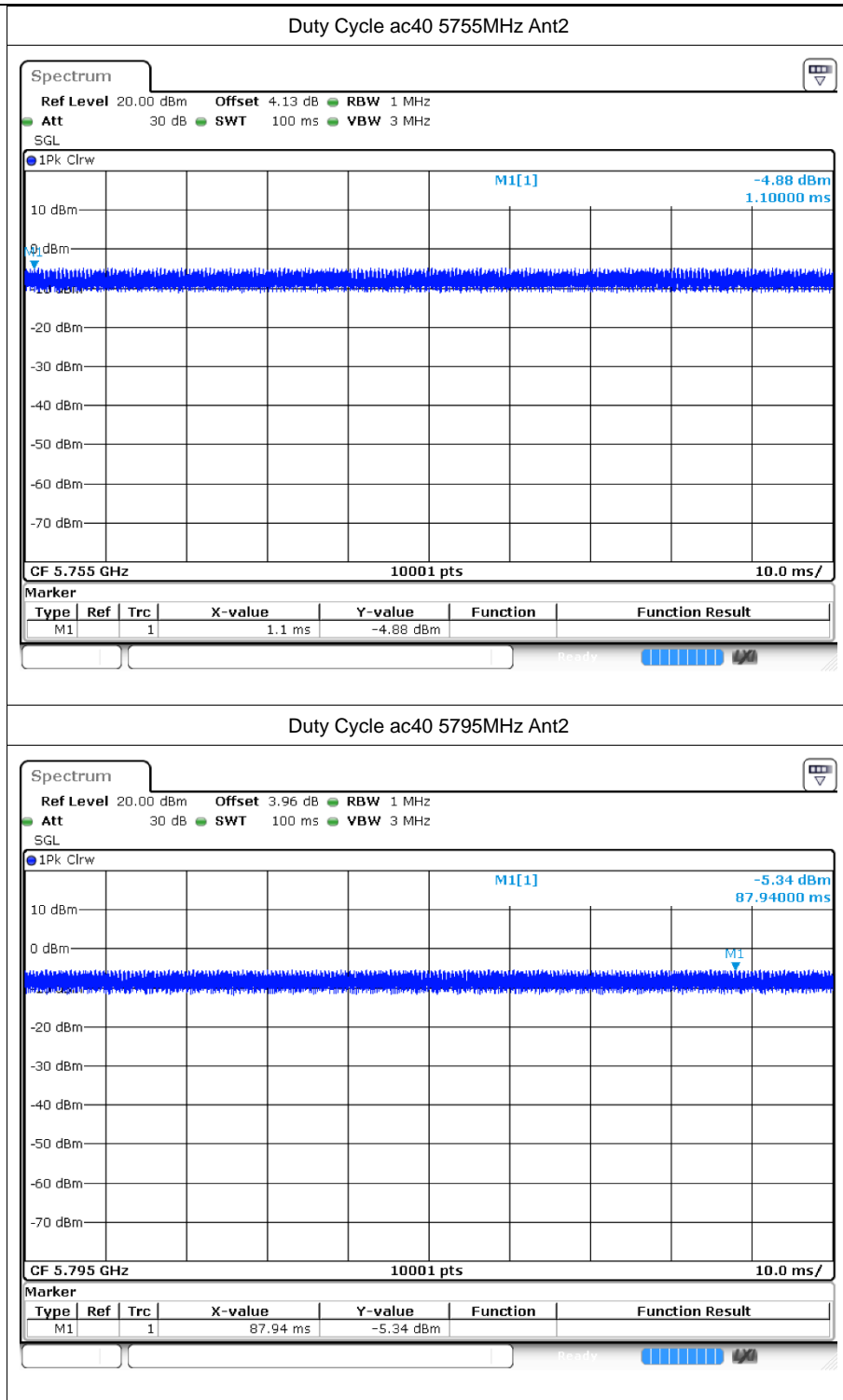


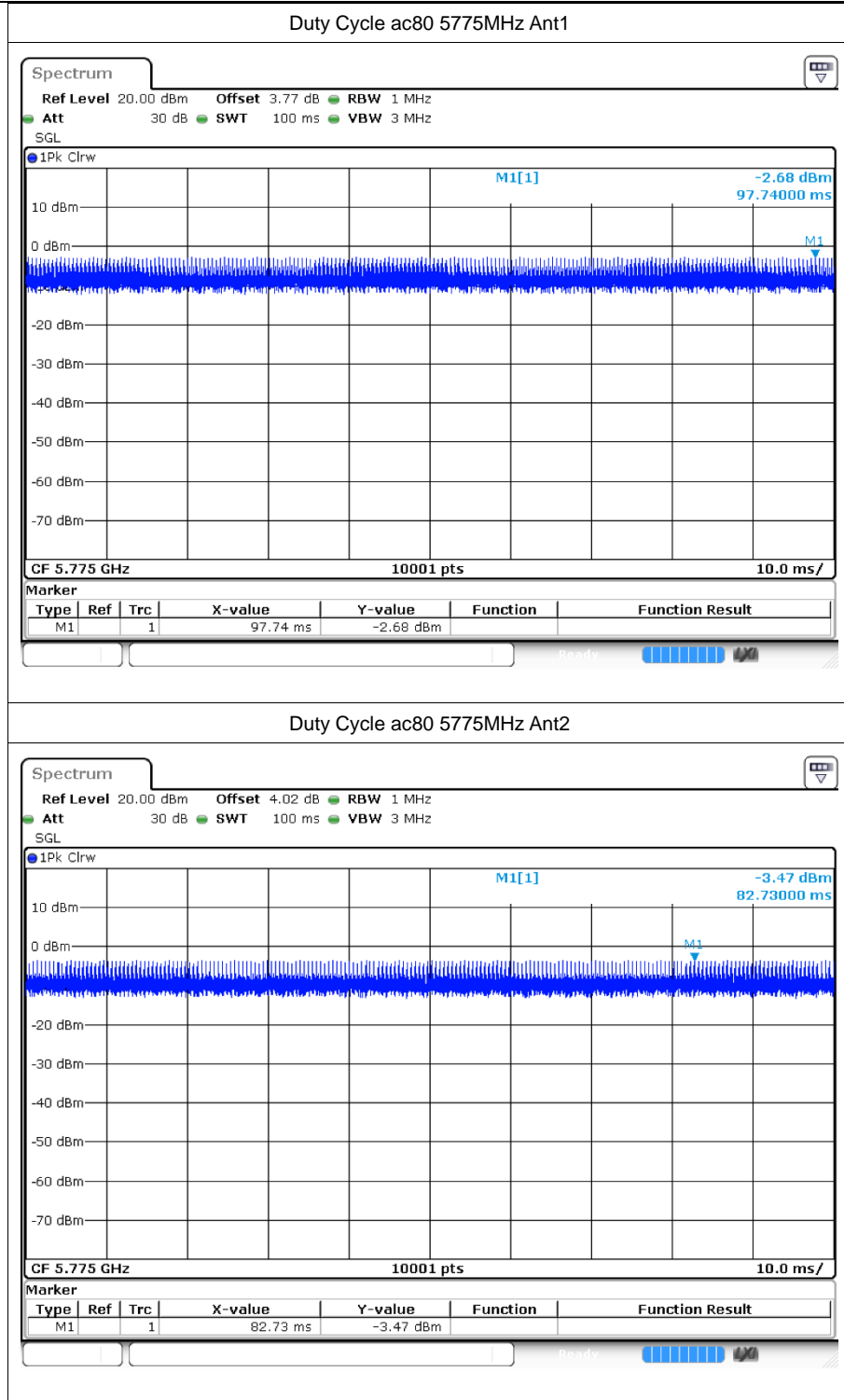














2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
a	5745	Ant1	11.48	30	Pass
a	5785	Ant1	12.29	30	Pass
a	5825	Ant1	10.06	30	Pass
a	5745	Ant2	11.55	30	Pass
a	5785	Ant2	12.2	30	Pass
a	5825	Ant2	10.65	30	Pass
n20	5745	Ant1	11.33	30	Pass
n20	5745	Ant2	10.8	30	Pass
n20	5745	Sum	14.08	30	Pass
n20	5785	Ant1	11.56	30	Pass
n20	5785	Ant2	10.53	30	Pass
n20	5785	Sum	14.09	30	Pass
n20	5825	Ant1	9.69	30	Pass
n20	5825	Ant2	9.95	30	Pass
n20	5825	Sum	12.83	30	Pass
n40	5755	Ant1	11.3	30	Pass
n40	5755	Ant2	10.54	30	Pass
n40	5755	Sum	13.95	30	Pass
n40	5795	Ant1	10.77	30	Pass
n40	5795	Ant2	9.95	30	Pass
n40	5795	Sum	13.39	30	Pass
ac20	5745	Ant1	11.24	30	Pass
ac20	5745	Ant2	10.24	30	Pass
ac20	5745	Sum	13.78	30	Pass
ac20	5785	Ant1	11.56	30	Pass
ac20	5785	Ant2	10.23	30	Pass
ac20	5785	Sum	13.96	30	Pass
ac20	5825	Ant1	9.71	30	Pass
ac20	5825	Ant2	9.45	30	Pass
ac20	5825	Sum	12.59	30	Pass
ac40	5755	Ant1	10.9	30	Pass
ac40	5755	Ant2	9.31	30	Pass
ac40	5755	Sum	13.19	30	Pass
ac40	5795	Ant1	10.67	30	Pass
ac40	5795	Ant2	8.7	30	Pass
ac40	5795	Sum	12.81	30	Pass



ac80	5775	Ant1	10.71	30	Pass
ac80	5775	Ant2	9.71	30	Pass
ac80	5775	Sum	13.25	30	Pass



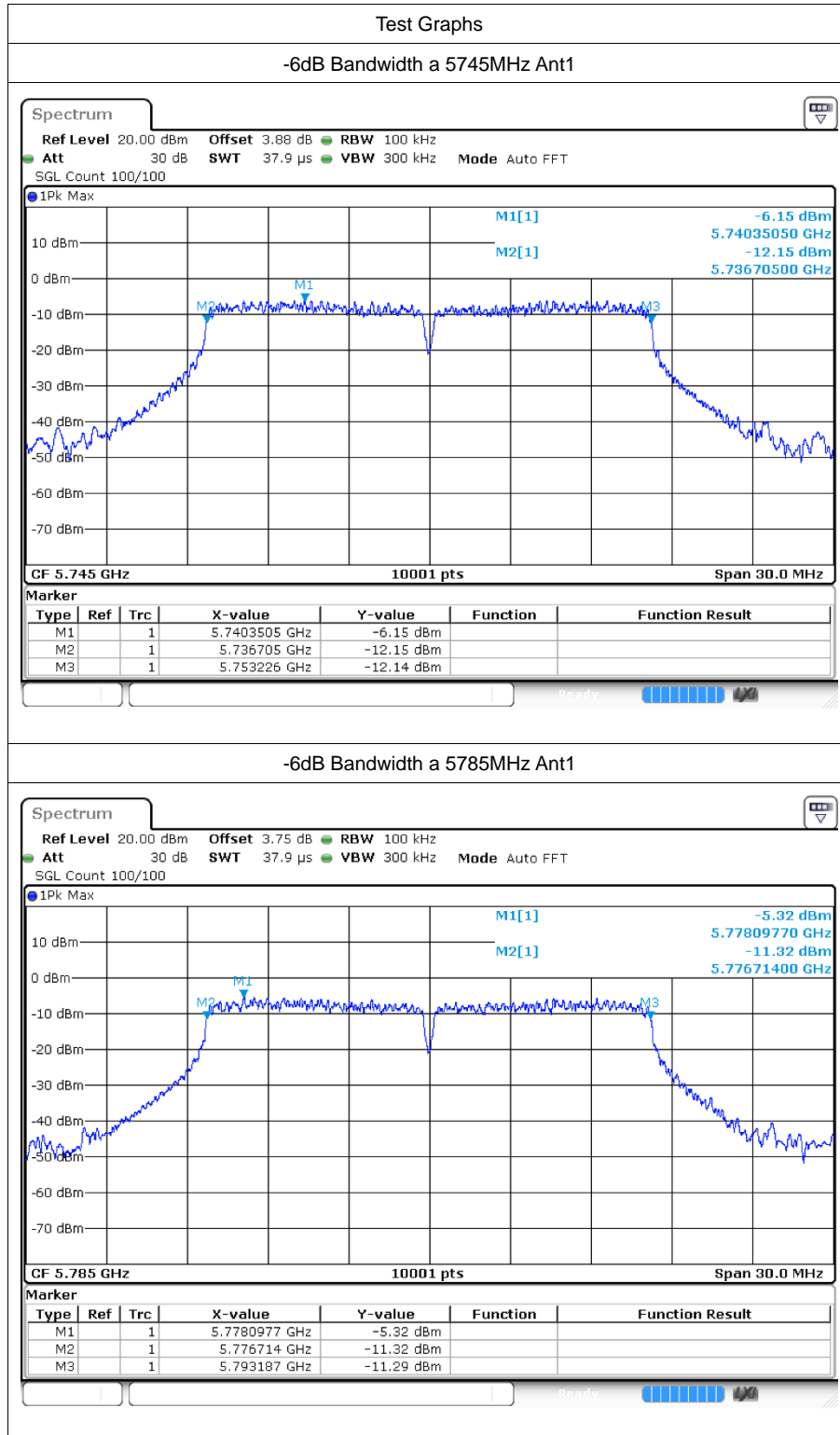
3 -6dB Bandwidth

3.1 Test Result

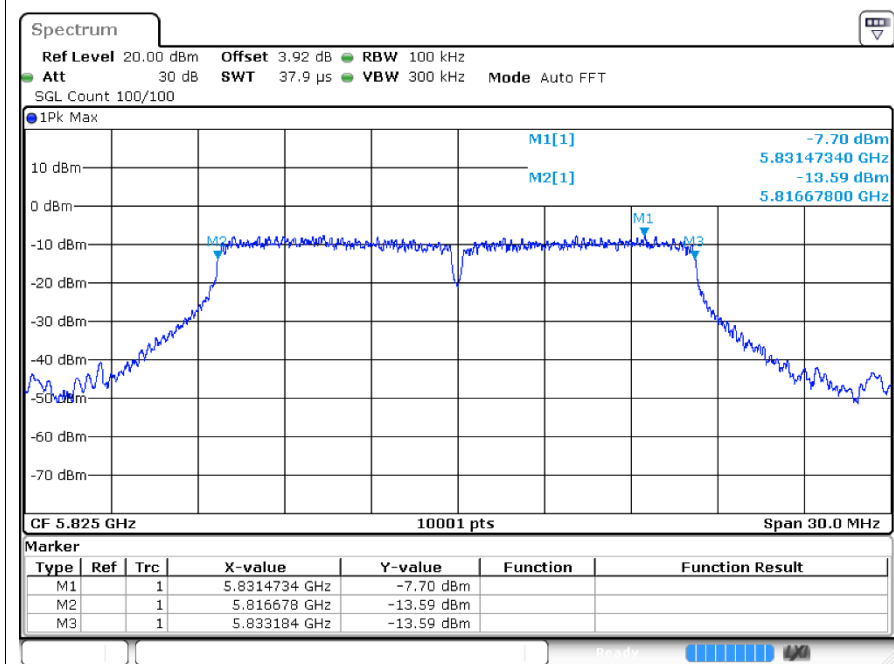
Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
a	5745	Ant1	16.521	0.5	Pass
a	5785	Ant1	16.473	0.5	Pass
a	5825	Ant1	16.506	0.5	Pass
n20	5745	Ant1	17.604	0.5	Pass
n20	5785	Ant1	17.682	0.5	Pass
n20	5825	Ant1	17.604	0.5	Pass
n40	5755	Ant1	36.354	0.5	Pass
n40	5795	Ant1	36.372	0.5	Pass
ac20	5745	Ant1	17.589	0.5	Pass
ac20	5785	Ant1	17.637	0.5	Pass
ac20	5825	Ant1	17.619	0.5	Pass
ac40	5755	Ant1	36.348	0.5	Pass
ac40	5795	Ant1	36.396	0.5	Pass
ac80	5775	Ant1	75.912	0.5	Pass
a	5745	Ant2	16.488	0.5	Pass
a	5785	Ant2	16.503	0.5	Pass
a	5825	Ant2	16.497	0.5	Pass
n20	5745	Ant2	17.613	0.5	Pass
n20	5785	Ant2	17.727	0.5	Pass
n20	5825	Ant2	17.631	0.5	Pass
n40	5755	Ant2	36.33	0.5	Pass
n40	5795	Ant2	36.342	0.5	Pass
ac20	5745	Ant2	17.61	0.5	Pass
ac20	5785	Ant2	17.73	0.5	Pass
ac20	5825	Ant2	17.616	0.5	Pass
ac40	5755	Ant2	36.354	0.5	Pass
ac40	5795	Ant2	36.342	0.5	Pass
ac80	5775	Ant2	76.056	0.5	Pass



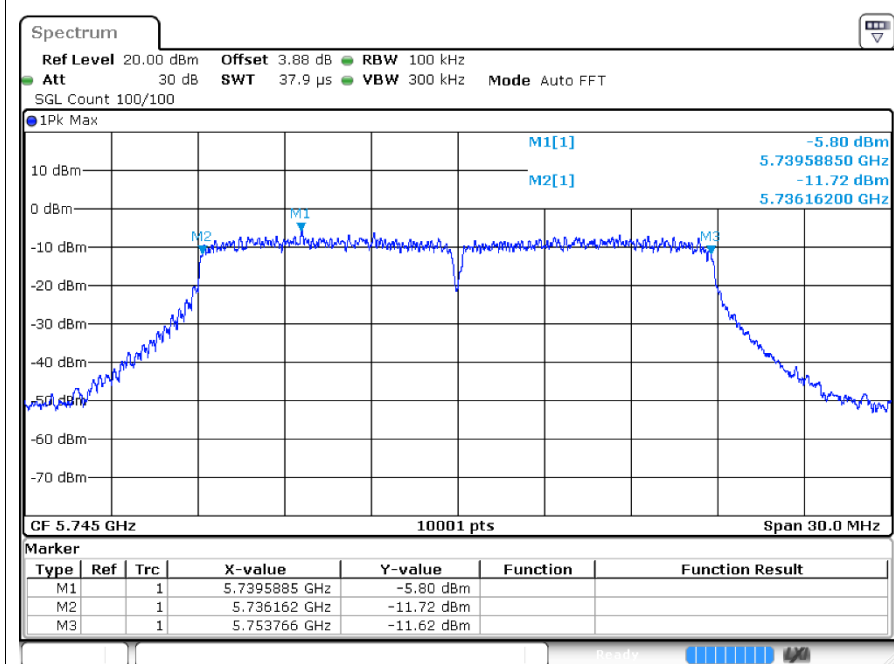
3.2 Test Graphs



-6dB Bandwidth a 5825MHz Ant1

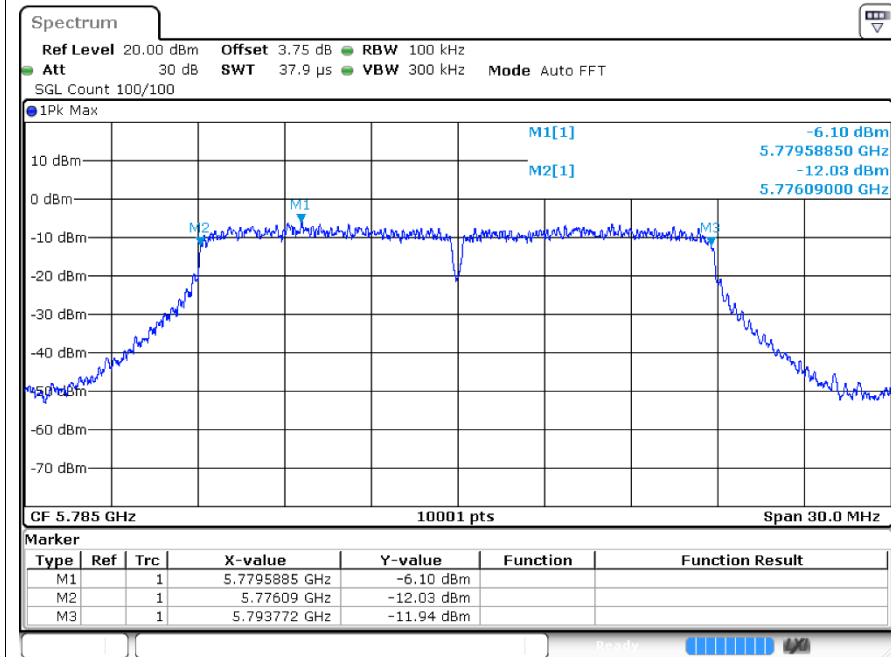


-6dB Bandwidth n20 5745MHz Ant1

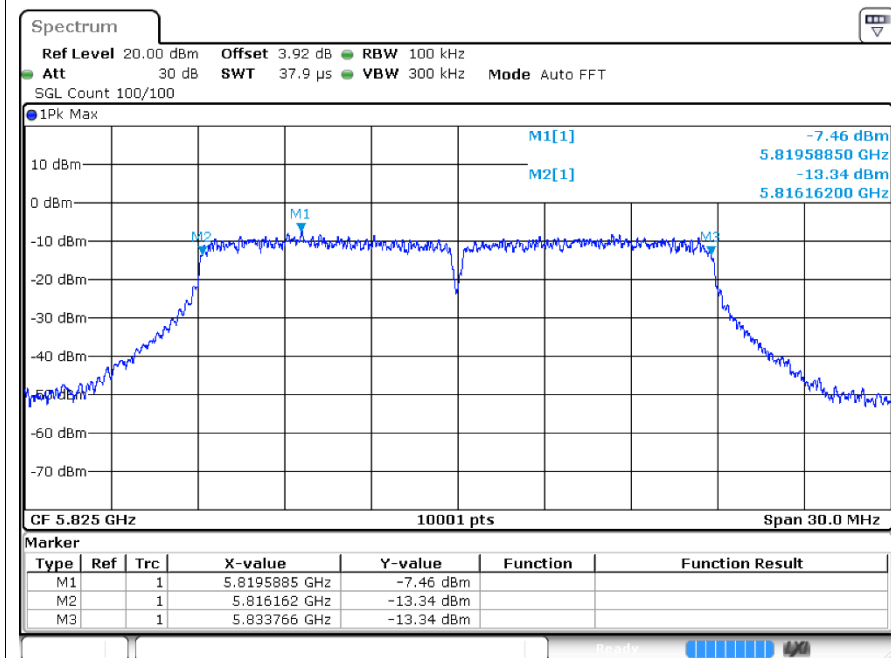




-6dB Bandwidth n20 5785MHz Ant1

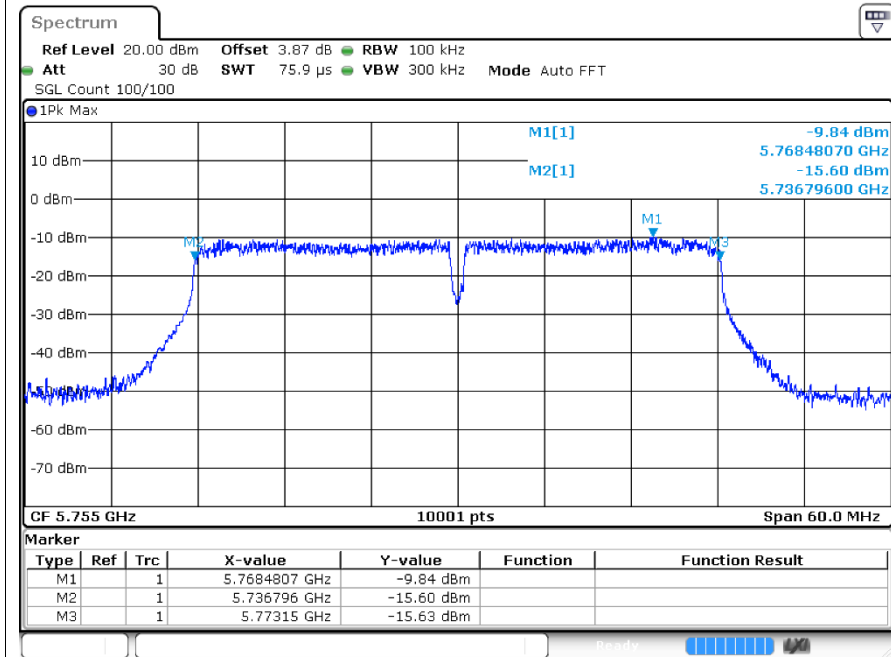


-6dB Bandwidth n20 5825MHz Ant1

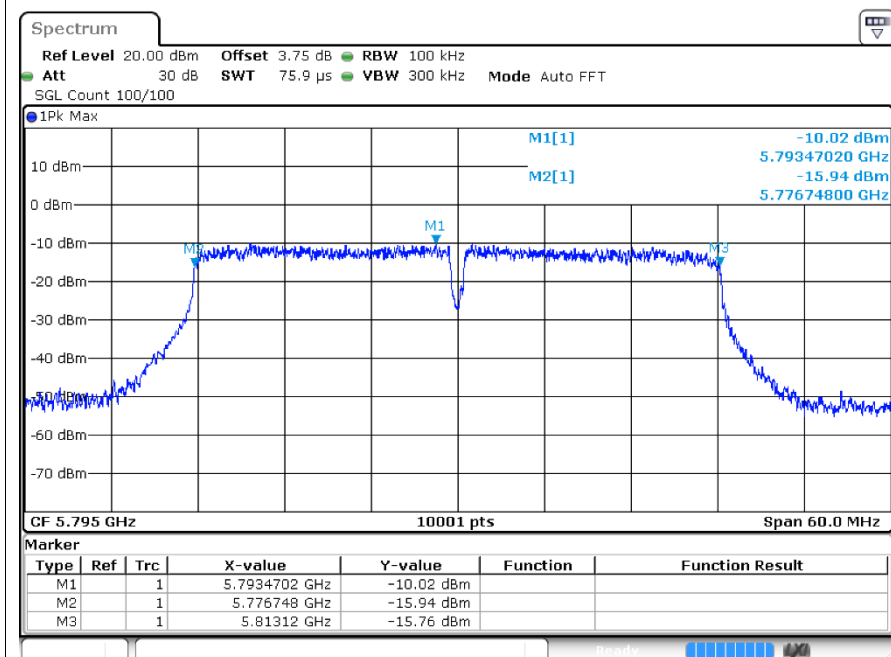


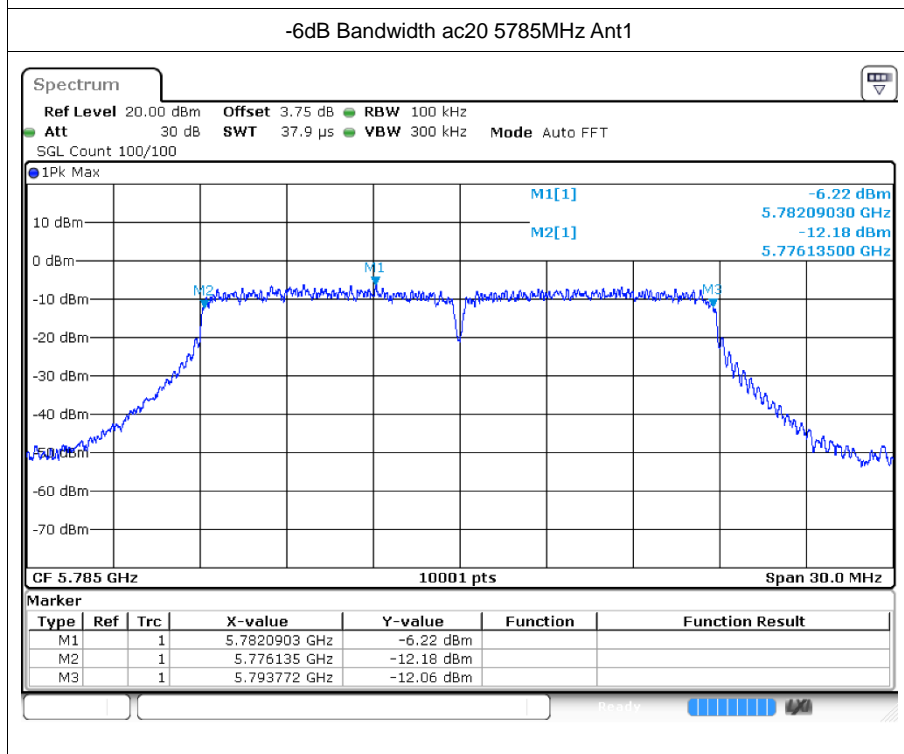
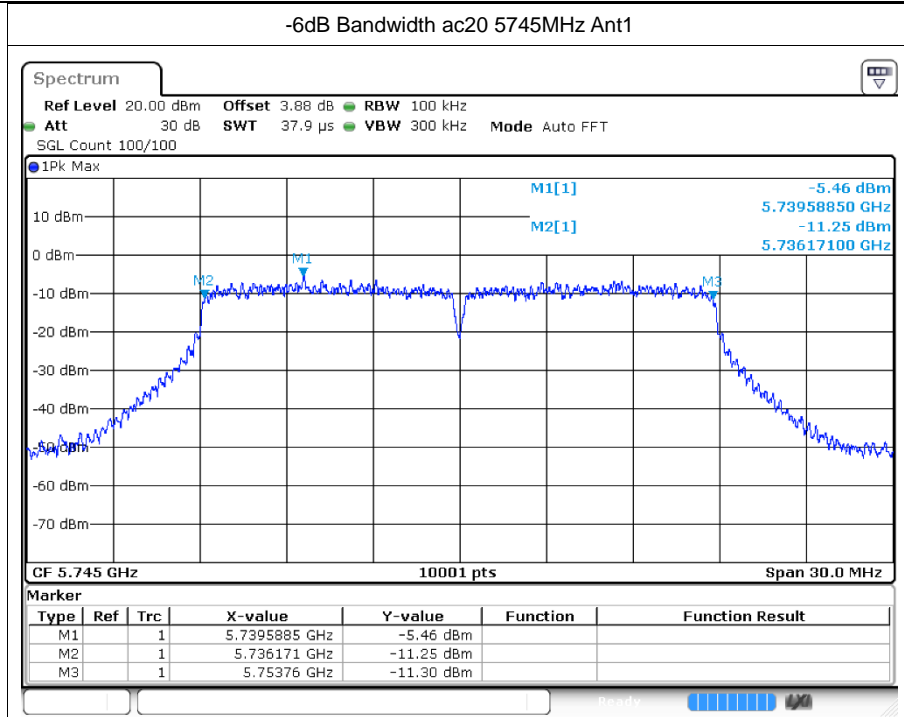


-6dB Bandwidth n40 5755MHz Ant1



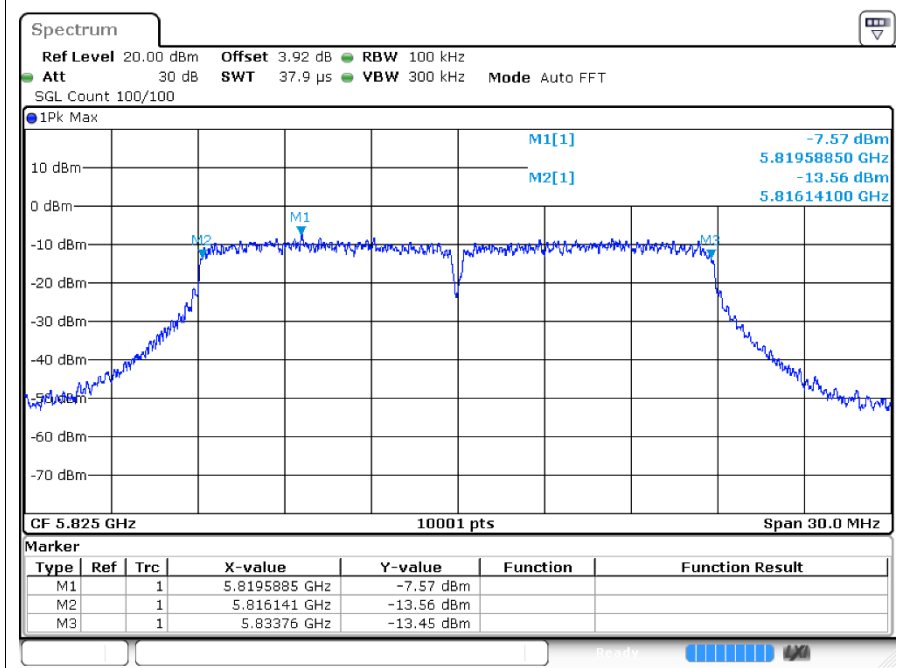
-6dB Bandwidth n40 5795MHz Ant1



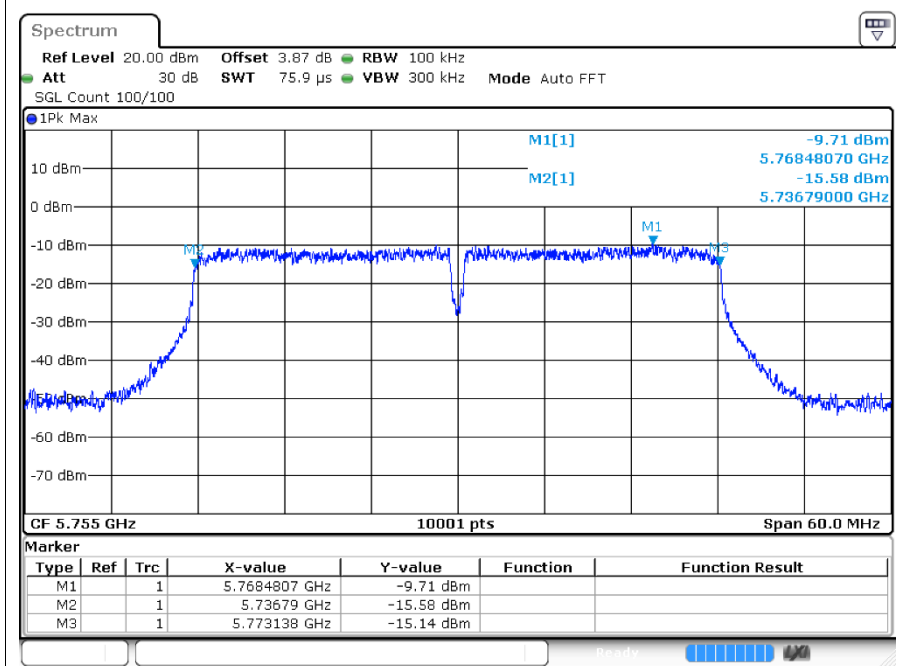


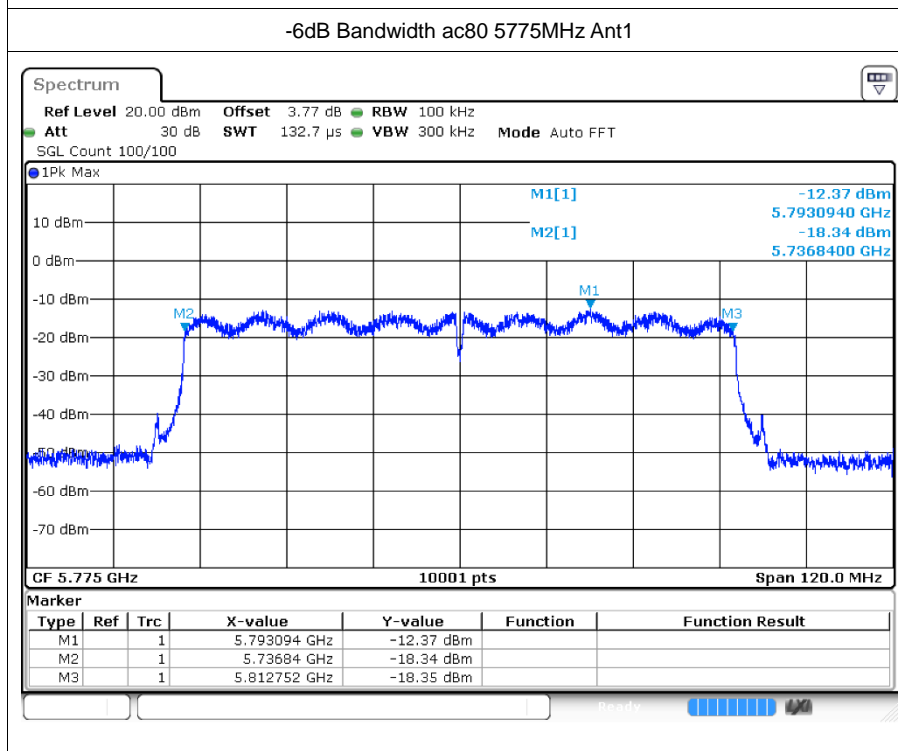
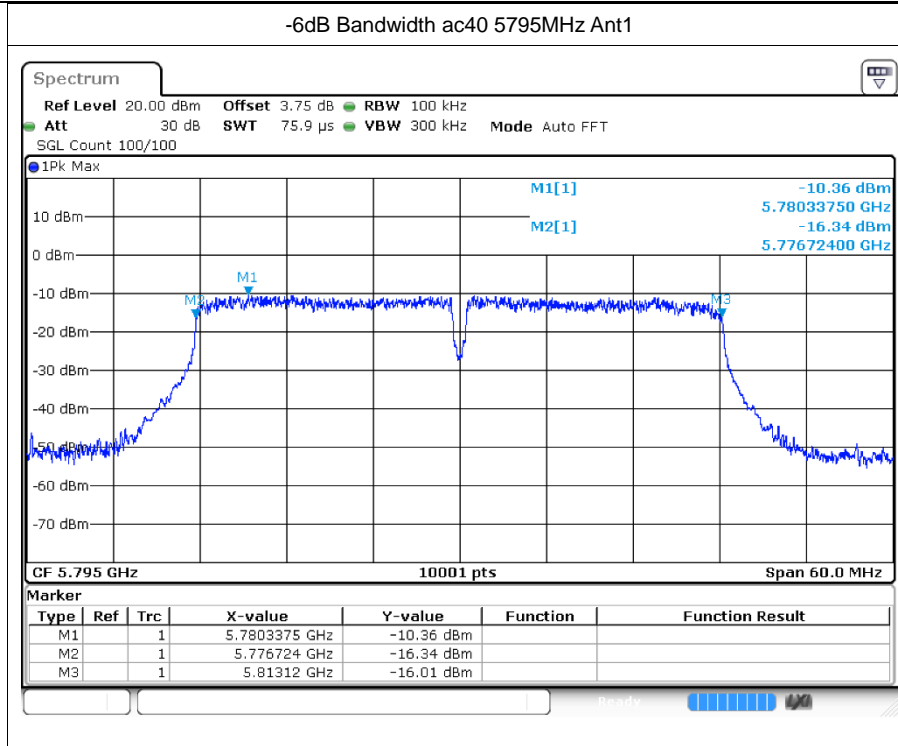


-6dB Bandwidth ac20 5825MHz Ant1



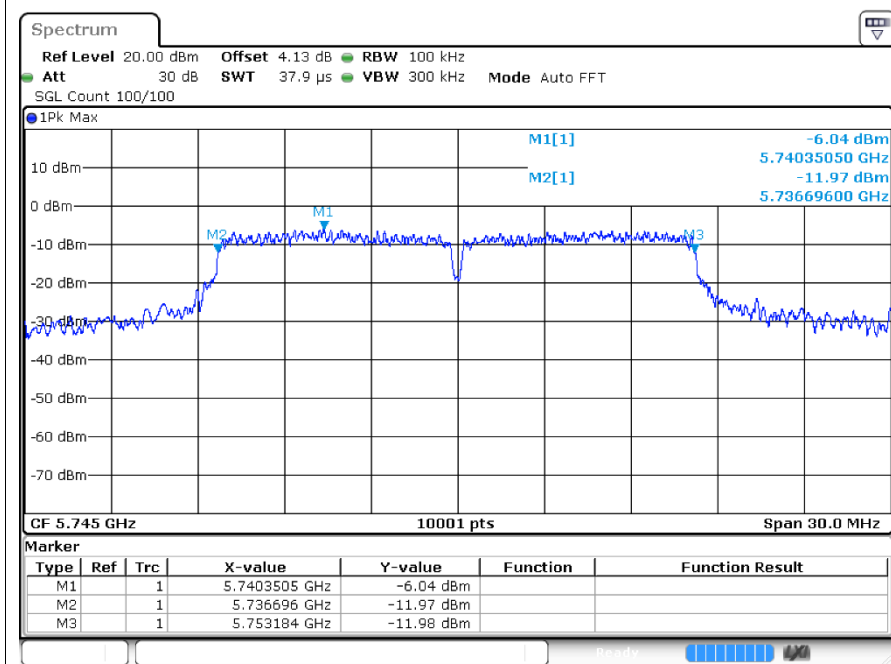
-6dB Bandwidth ac40 5755MHz Ant1



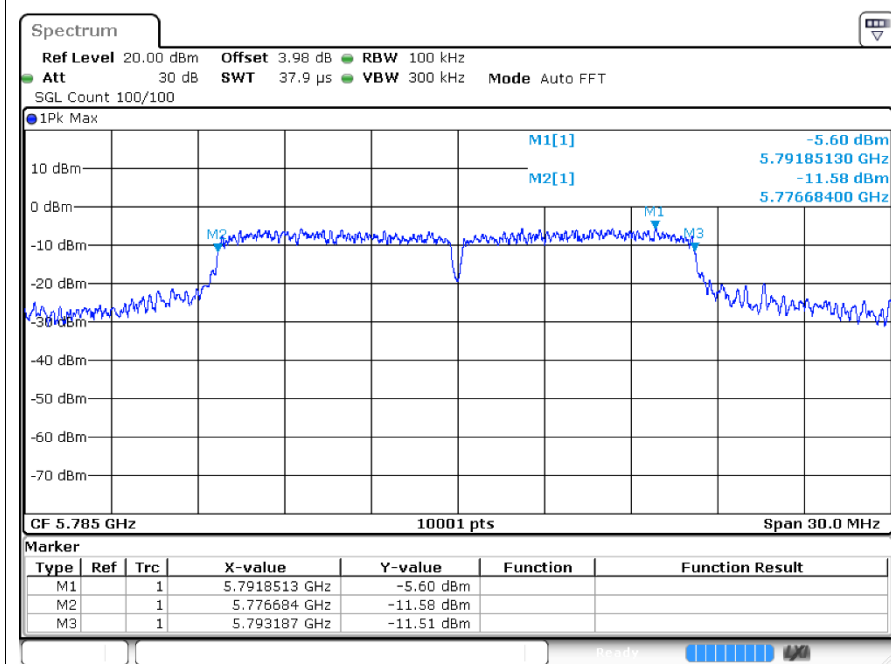




-6dB Bandwidth a 5745MHz Ant2

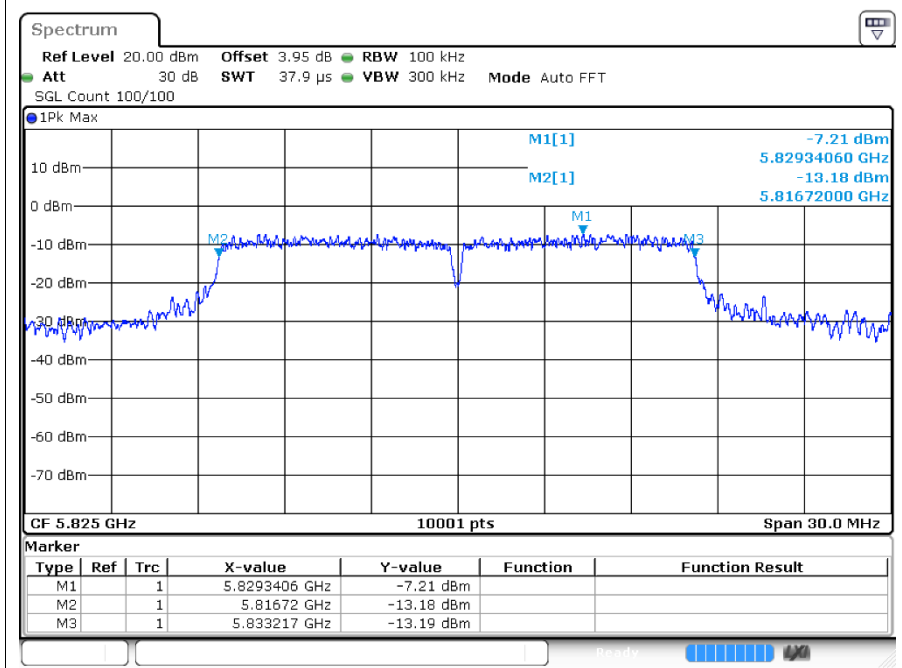


-6dB Bandwidth a 5785MHz Ant2

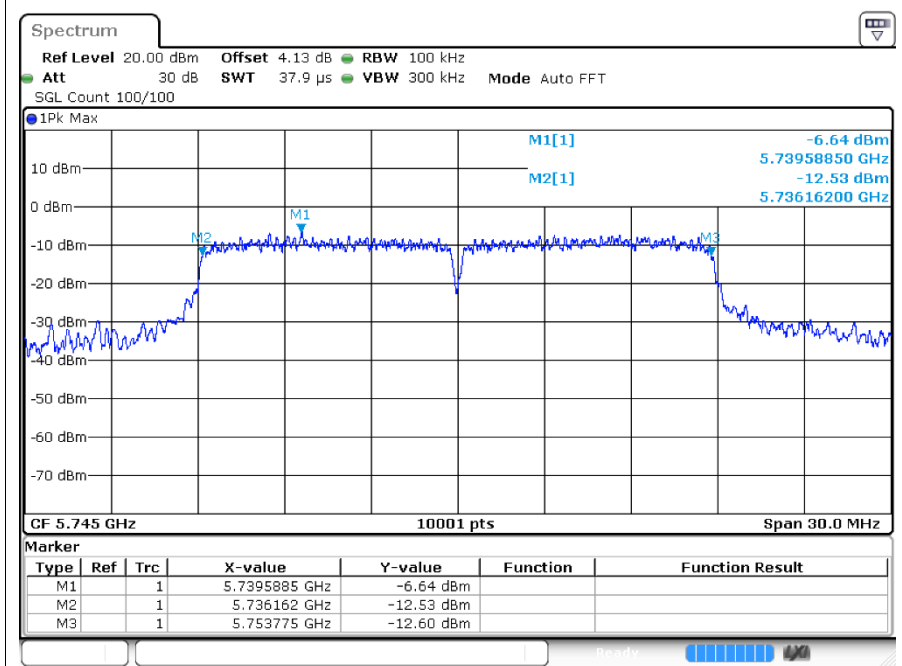




-6dB Bandwidth a 5825MHz Ant2

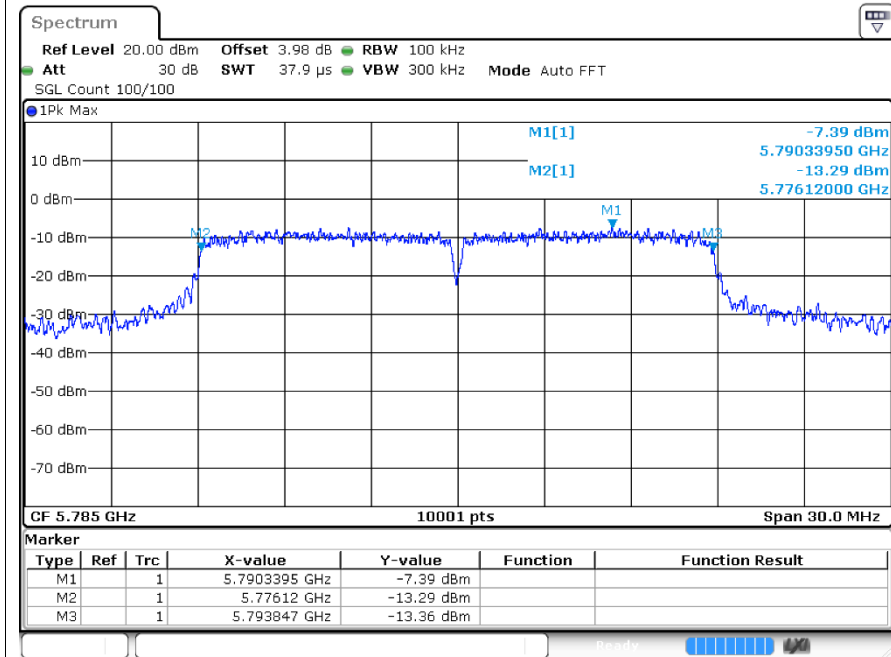


-6dB Bandwidth n20 5745MHz Ant2

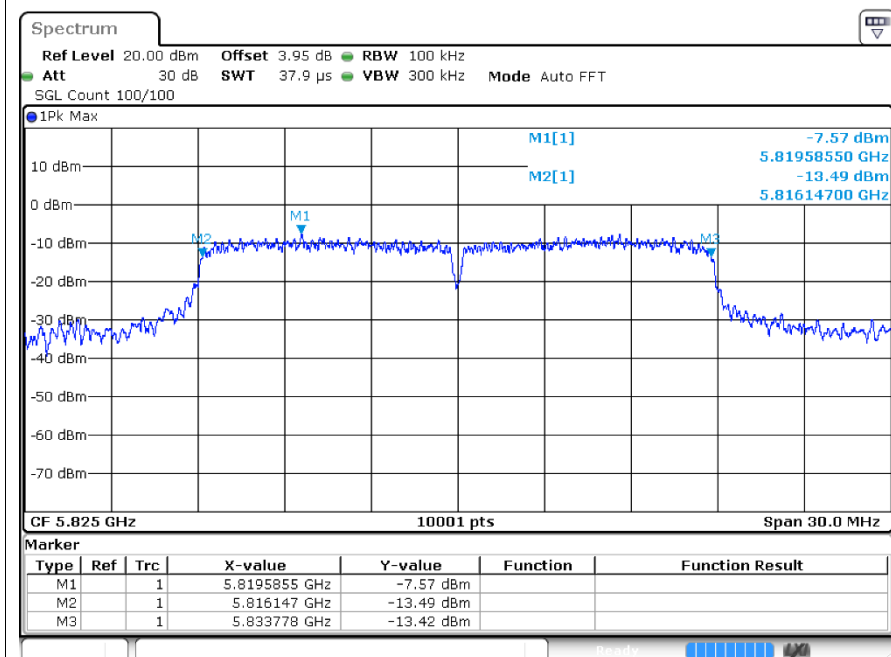




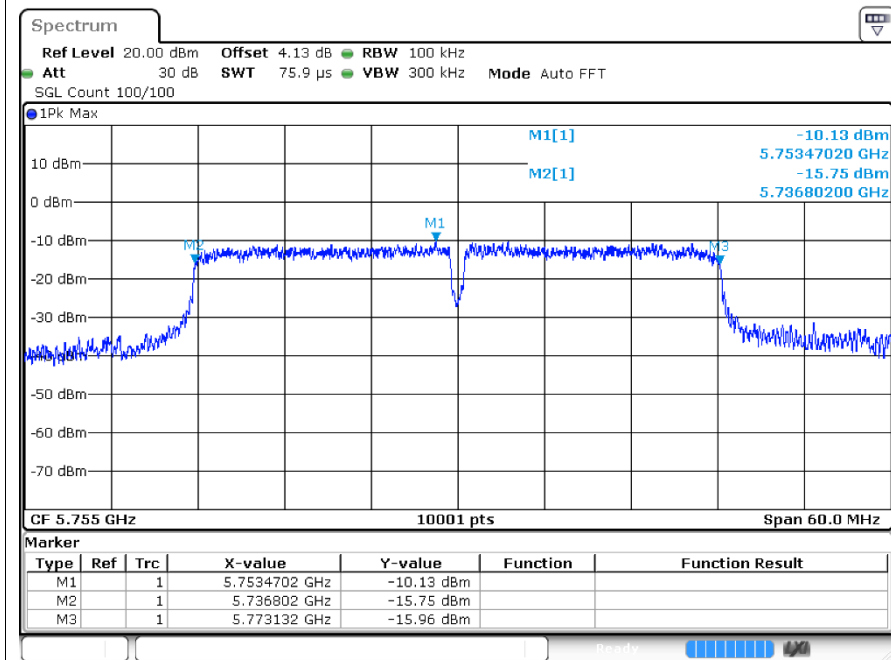
-6dB Bandwidth n20 5785MHz Ant2



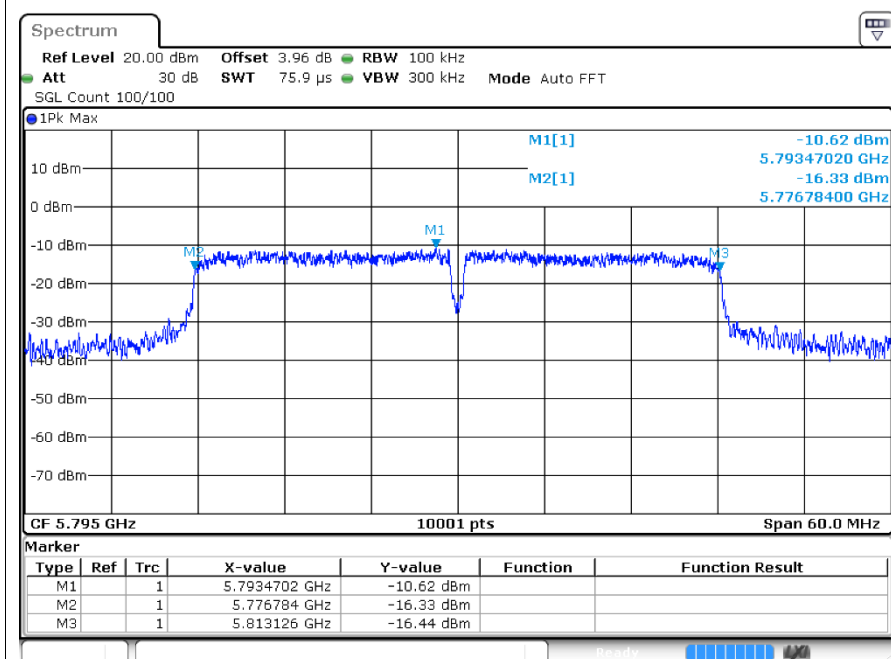
-6dB Bandwidth n20 5825MHz Ant2



-6dB Bandwidth n40 5755MHz Ant2

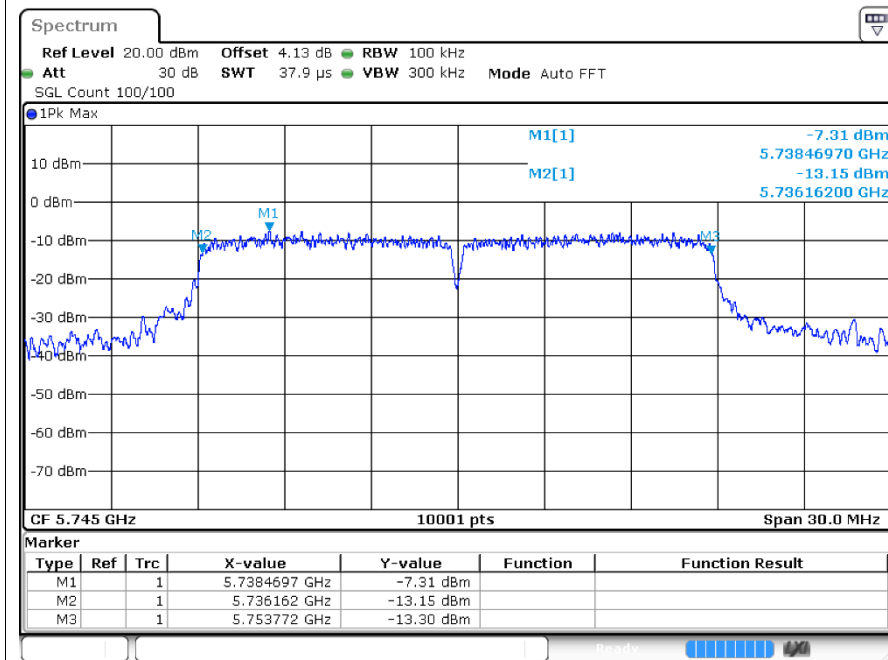


-6dB Bandwidth n40 5795MHz Ant2

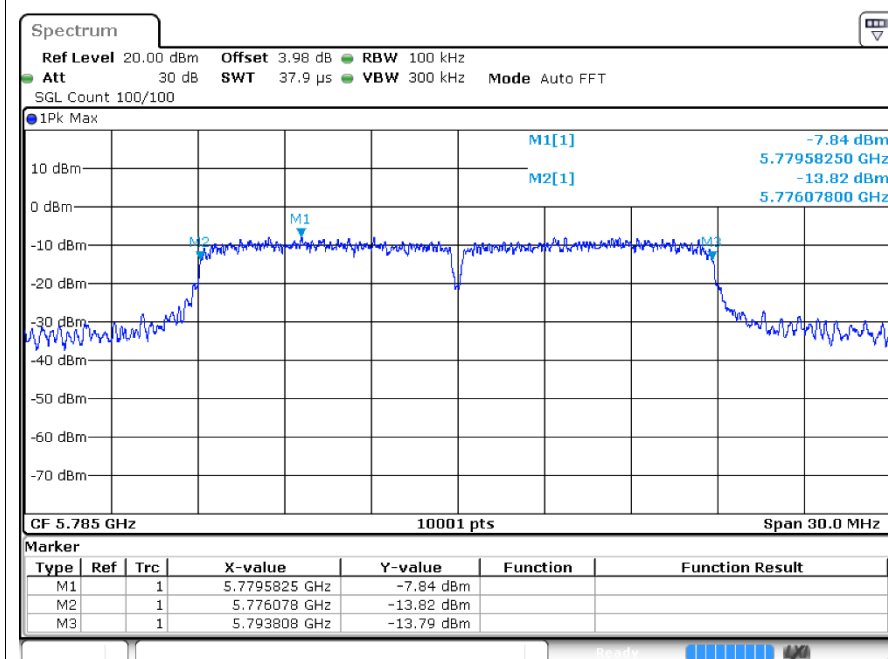


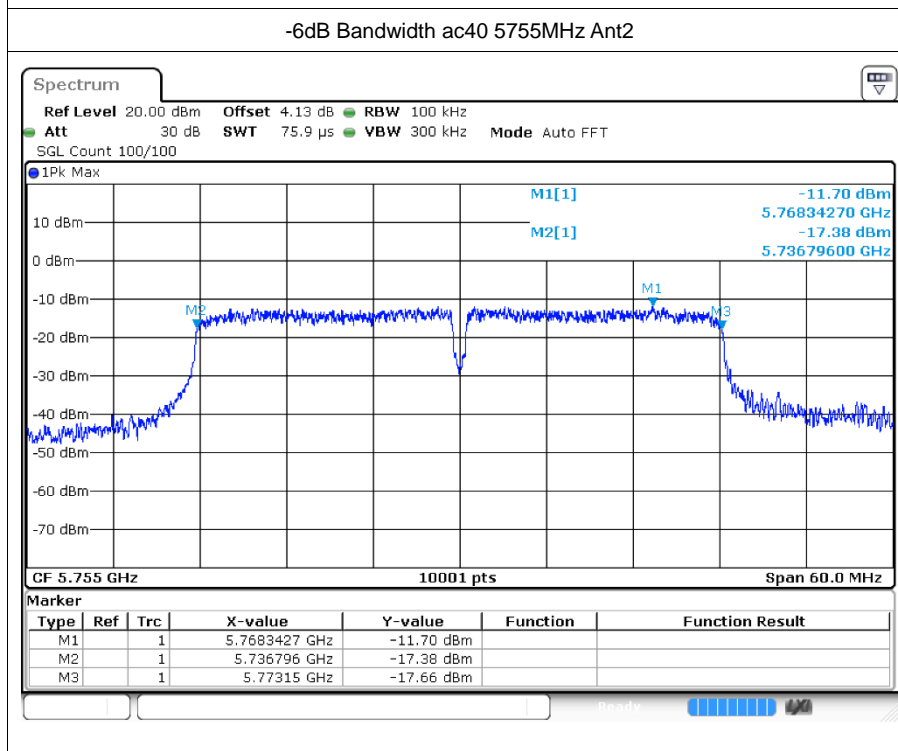
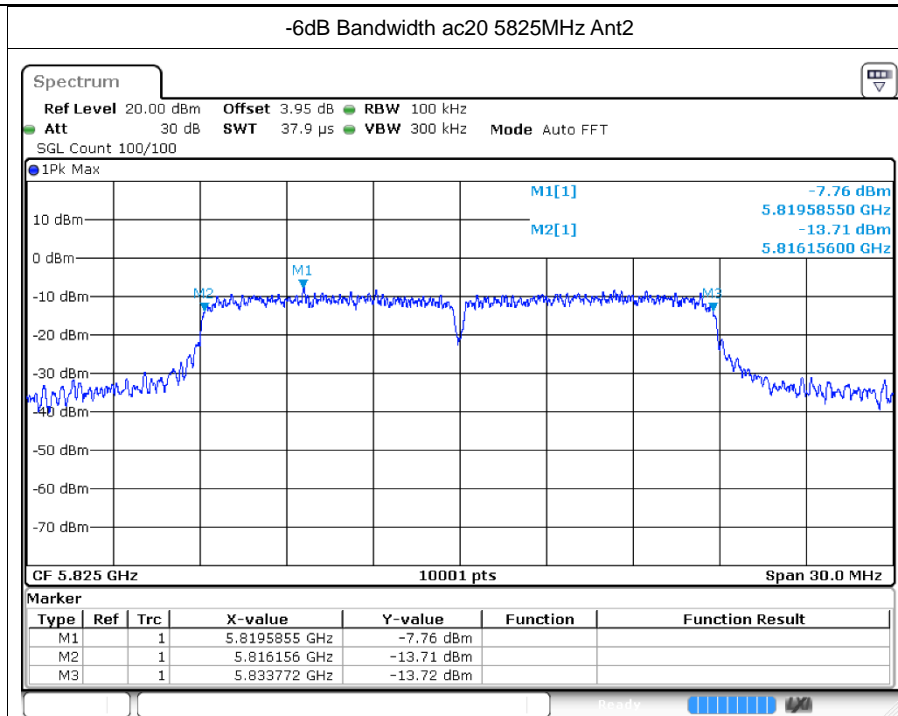


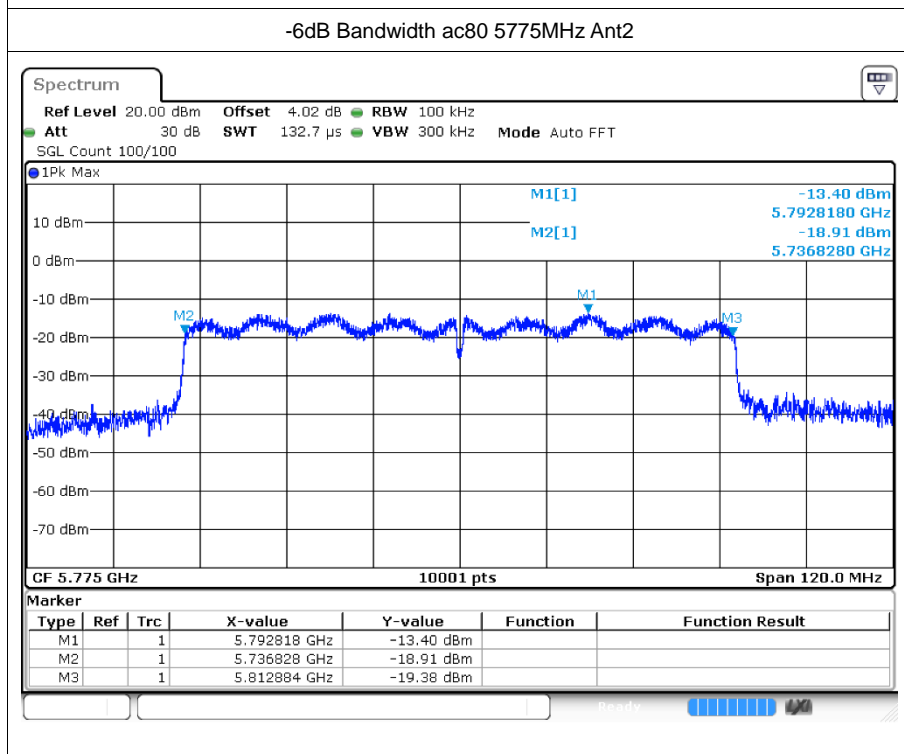
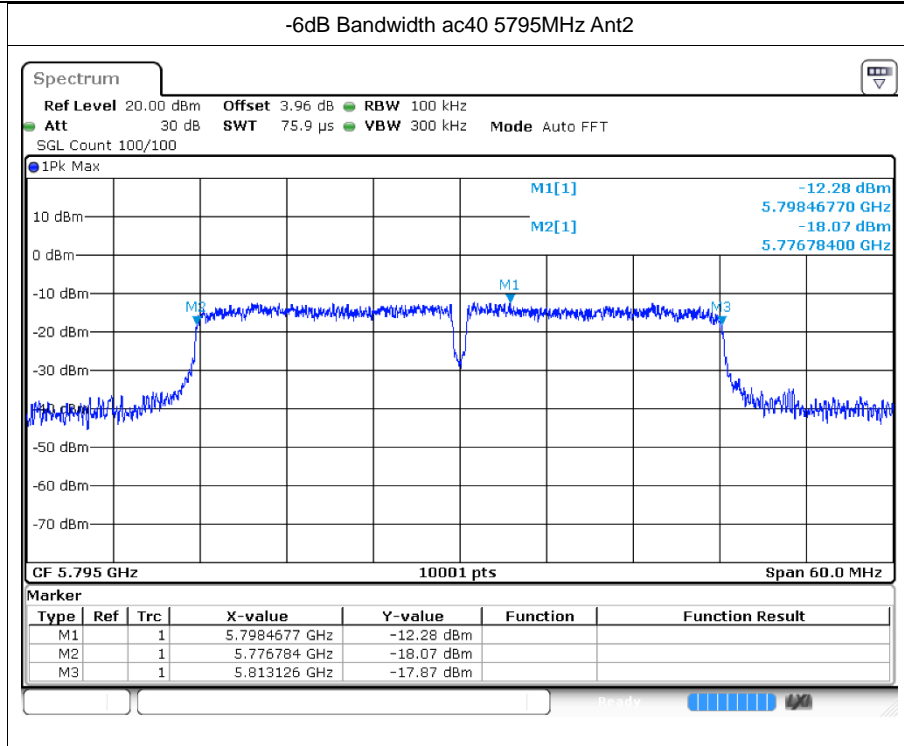
-6dB Bandwidth ac20 5745MHz Ant2



-6dB Bandwidth ac20 5785MHz Ant2









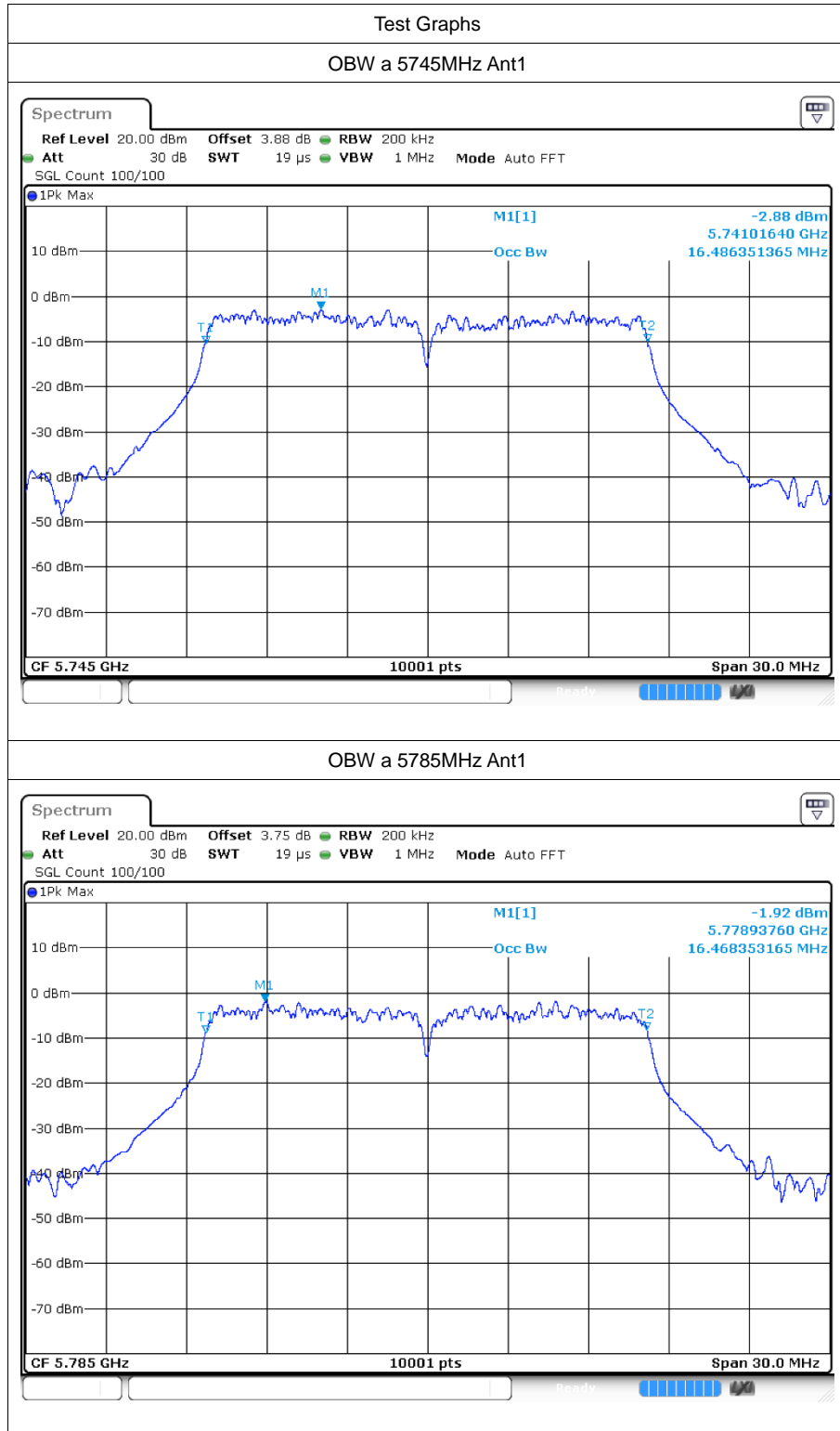
4 Occupied Channel Bandwidth

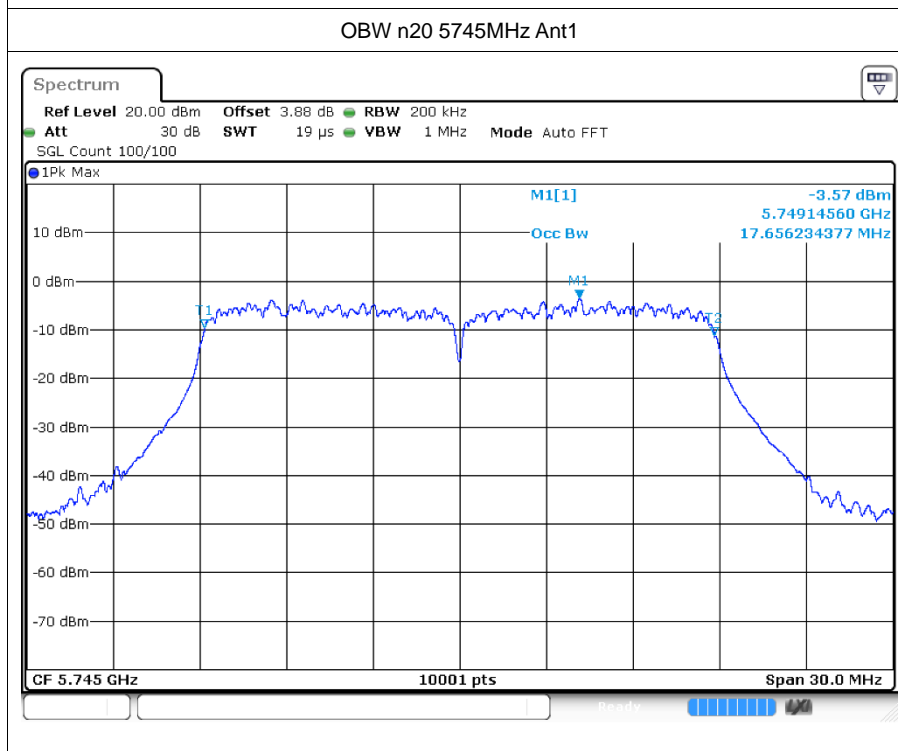
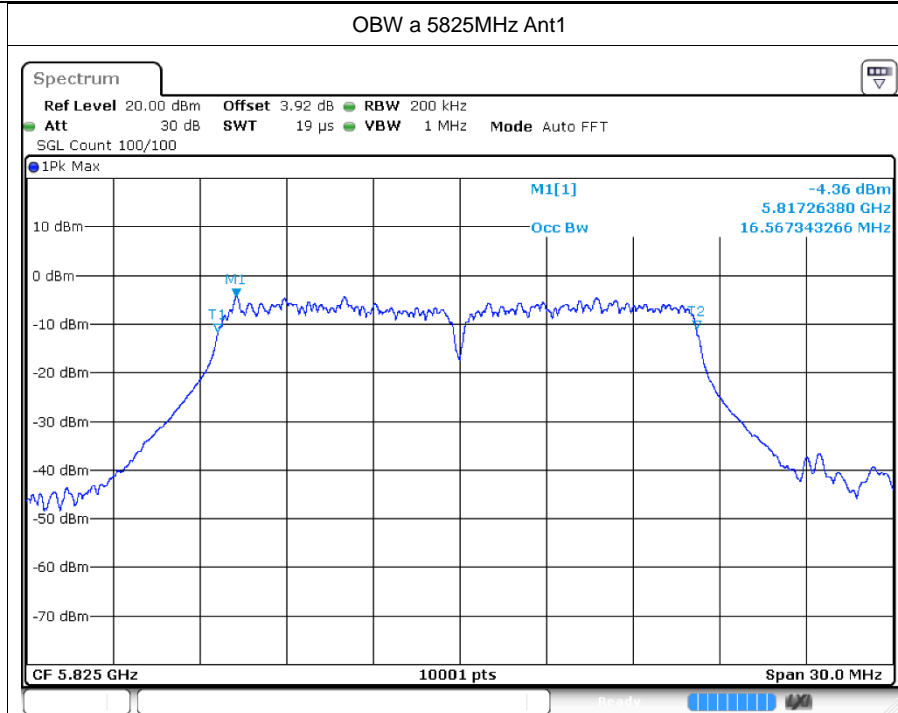
4.1 Test Result

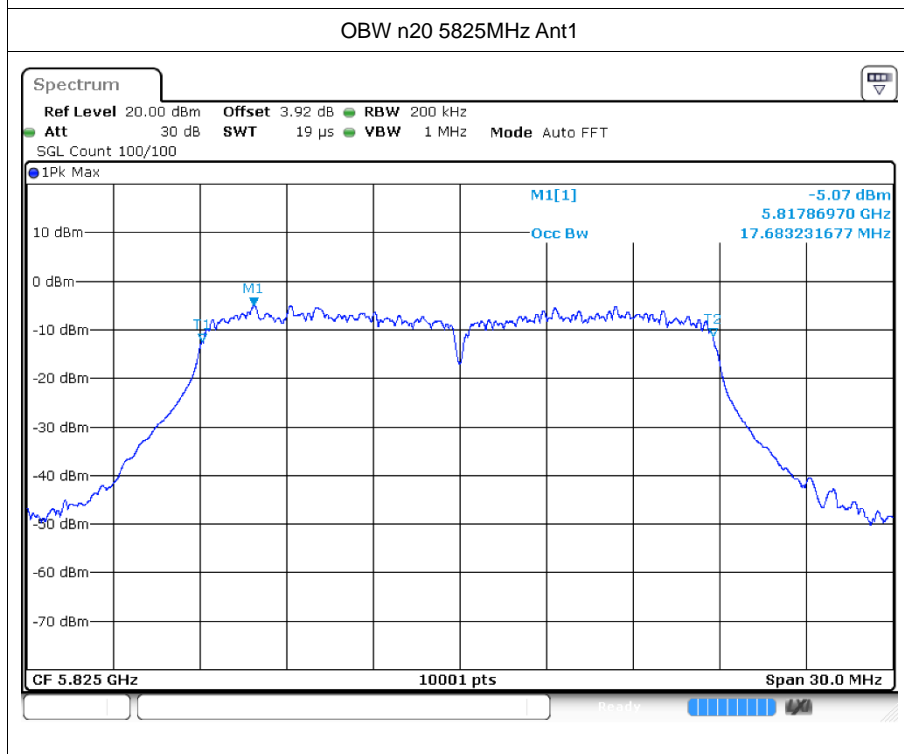
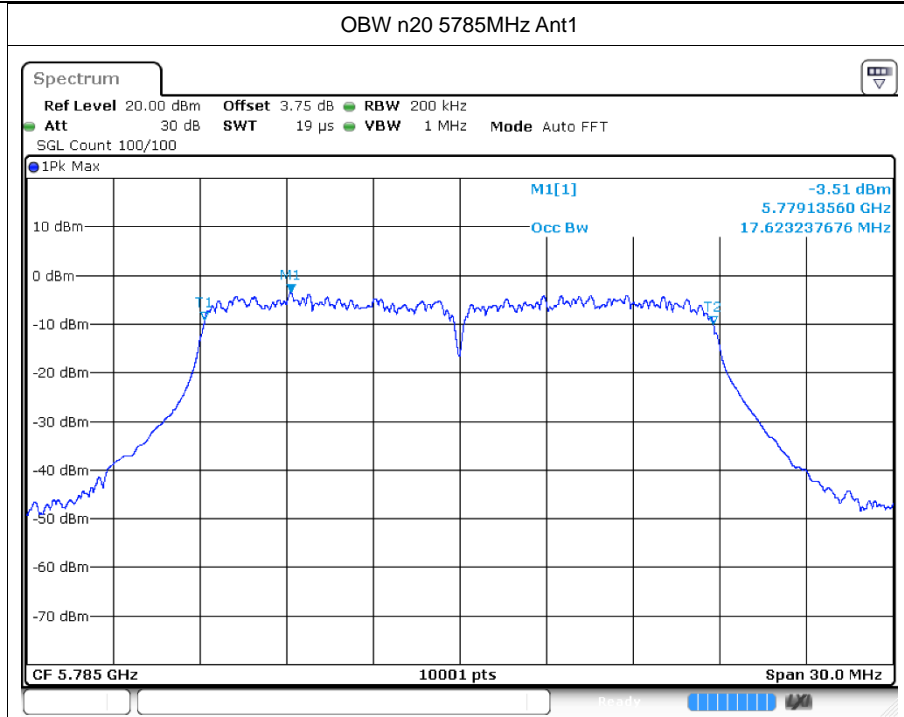
Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
a	5745	Ant1	16.486
a	5785	Ant1	16.468
a	5825	Ant1	16.567
n20	5745	Ant1	17.656
n20	5785	Ant1	17.623
n20	5825	Ant1	17.683
n40	5755	Ant1	36.206
n40	5795	Ant1	35.912
ac20	5745	Ant1	17.584
ac20	5785	Ant1	17.611
ac20	5825	Ant1	17.626
ac40	5755	Ant1	36.302
ac40	5795	Ant1	36.104
ac80	5775	Ant1	75.508
a	5745	Ant2	17.521
a	5785	Ant2	19.675
a	5825	Ant2	17.374
n20	5745	Ant2	17.863
n20	5785	Ant2	17.95
n20	5825	Ant2	17.902
n40	5755	Ant2	36.272
n40	5795	Ant2	36.296
ac20	5745	Ant2	17.842
ac20	5785	Ant2	17.878
ac20	5825	Ant2	17.821
ac40	5755	Ant2	36.176
ac40	5795	Ant2	36.344
ac80	5775	Ant2	75.76

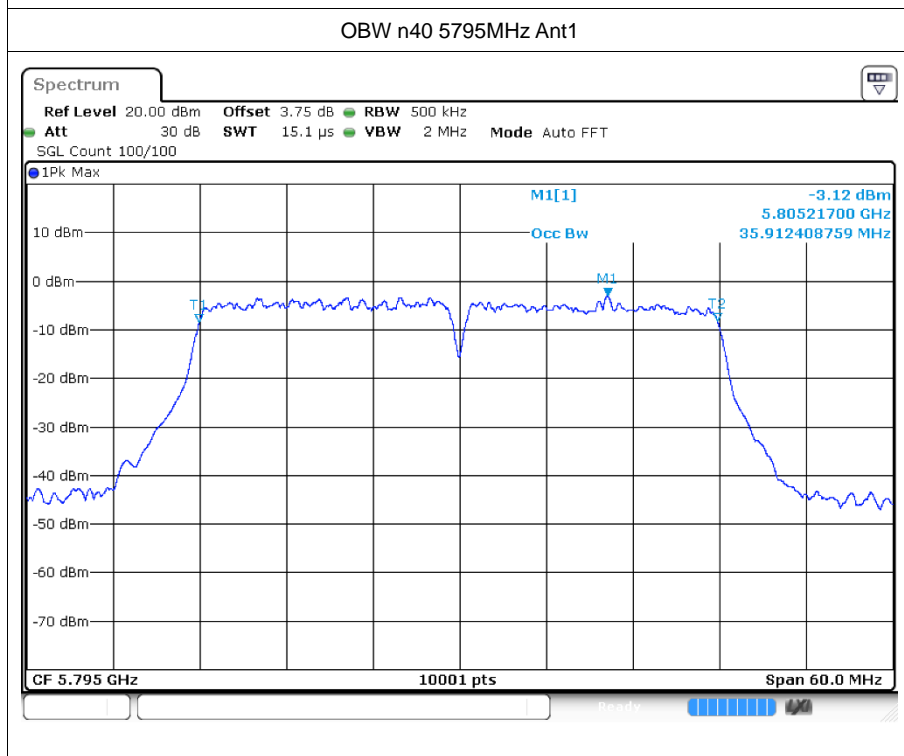
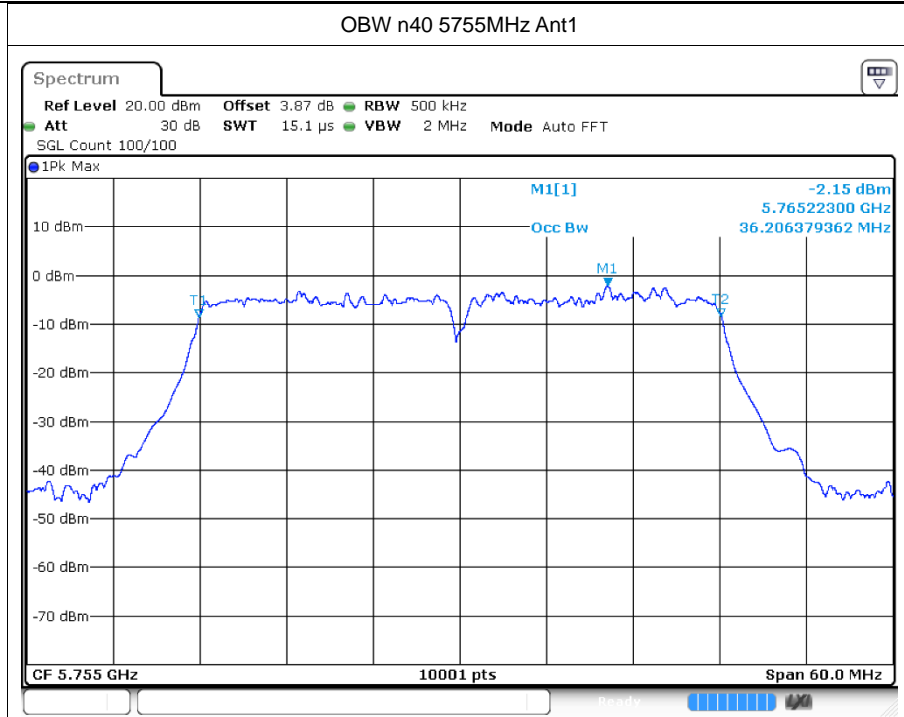


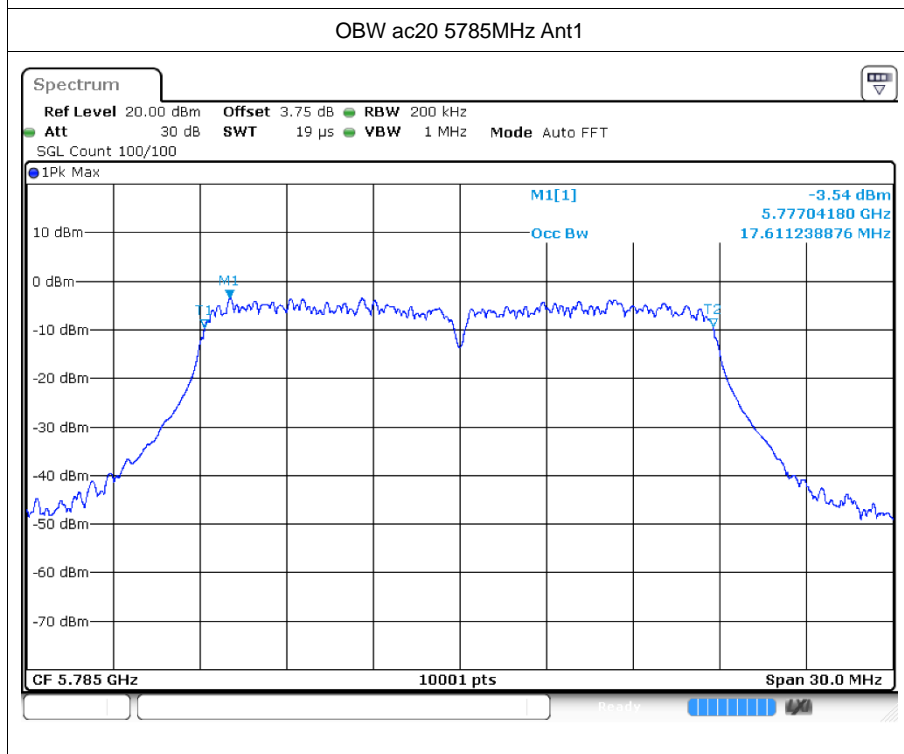
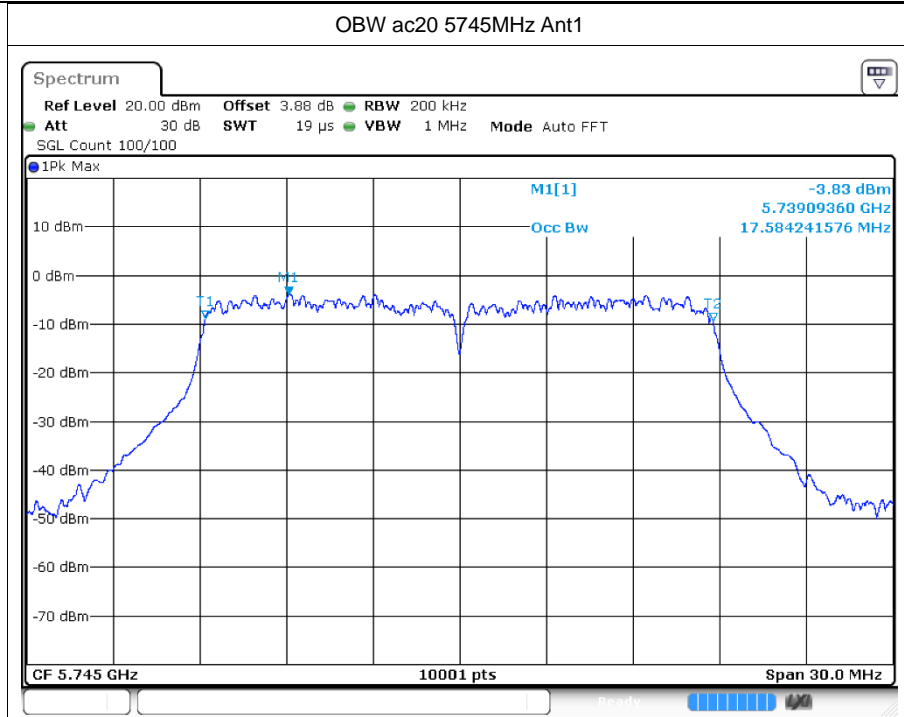
4.2 Test Graphs

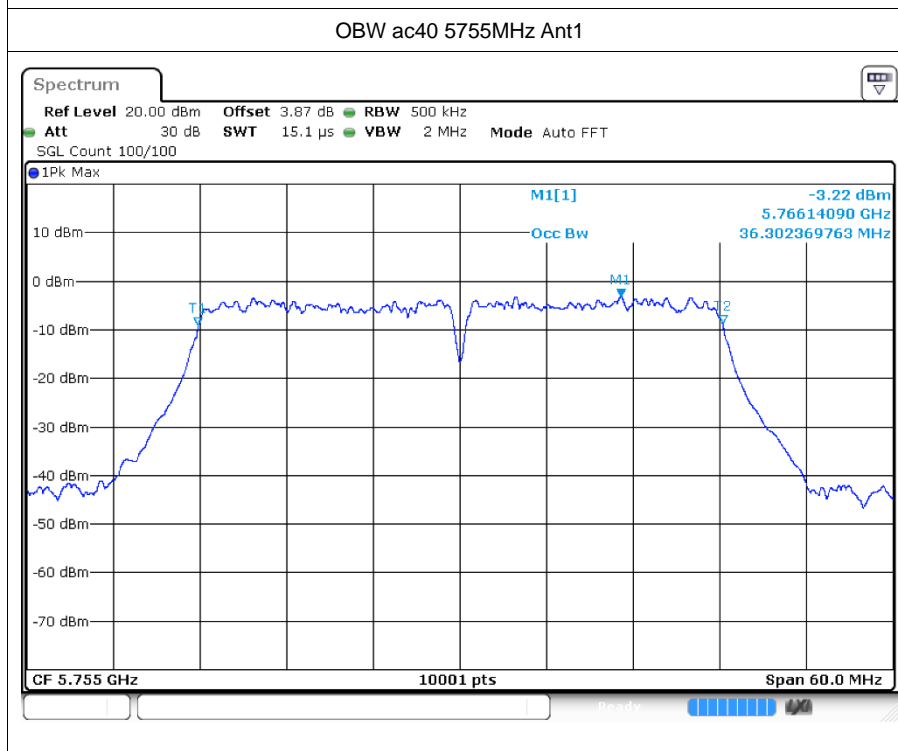
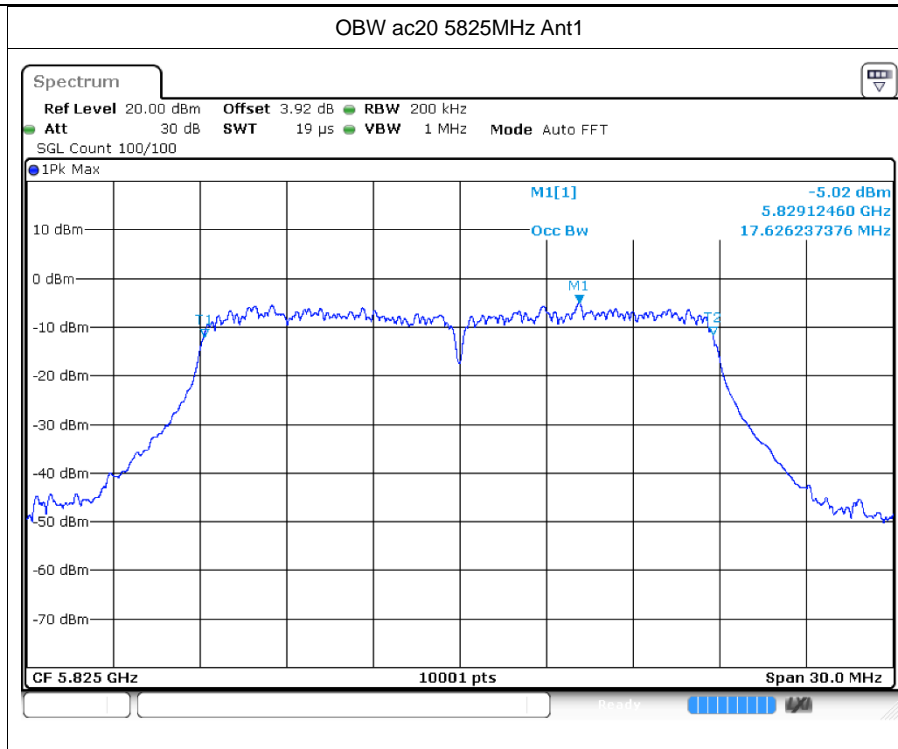


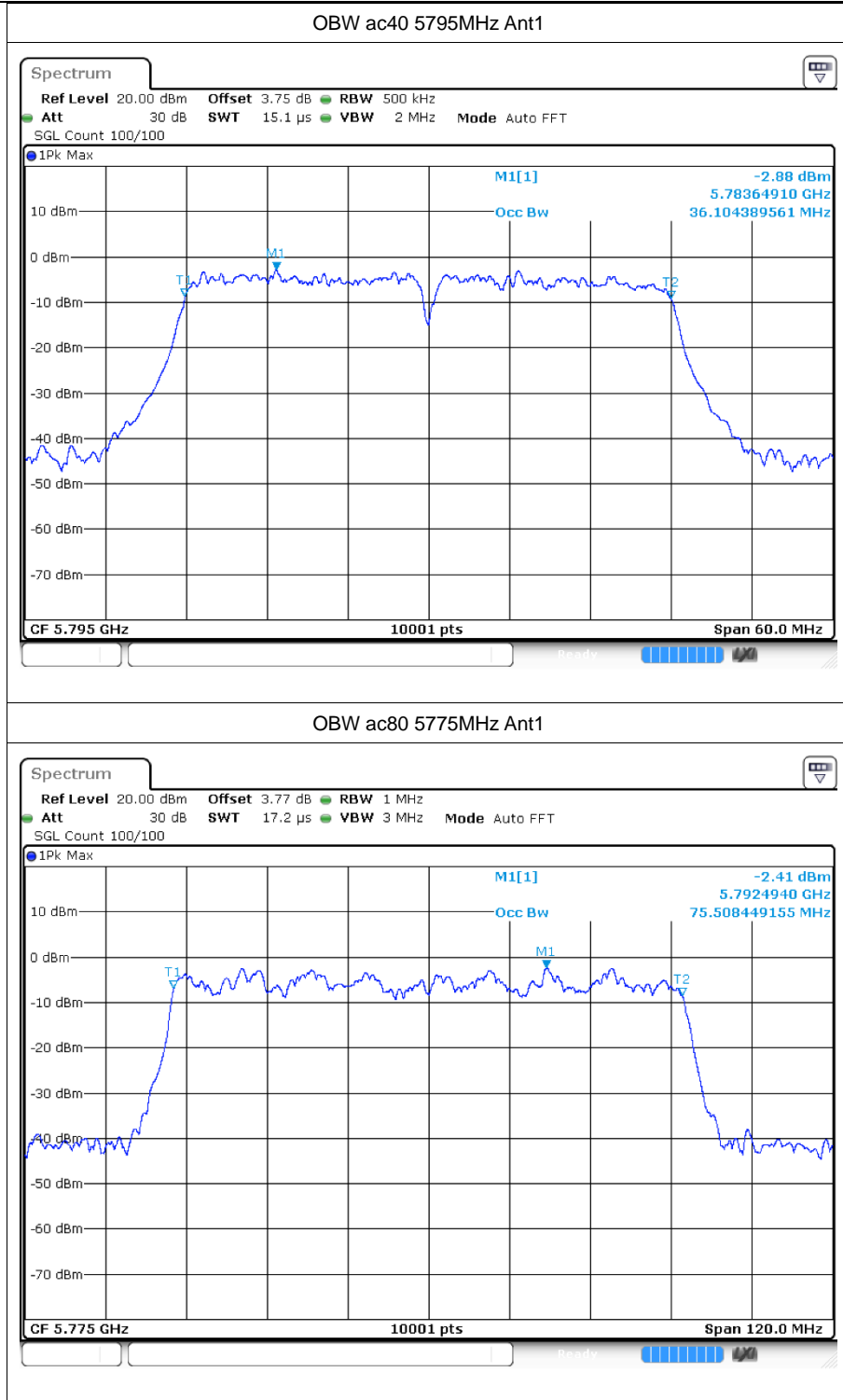


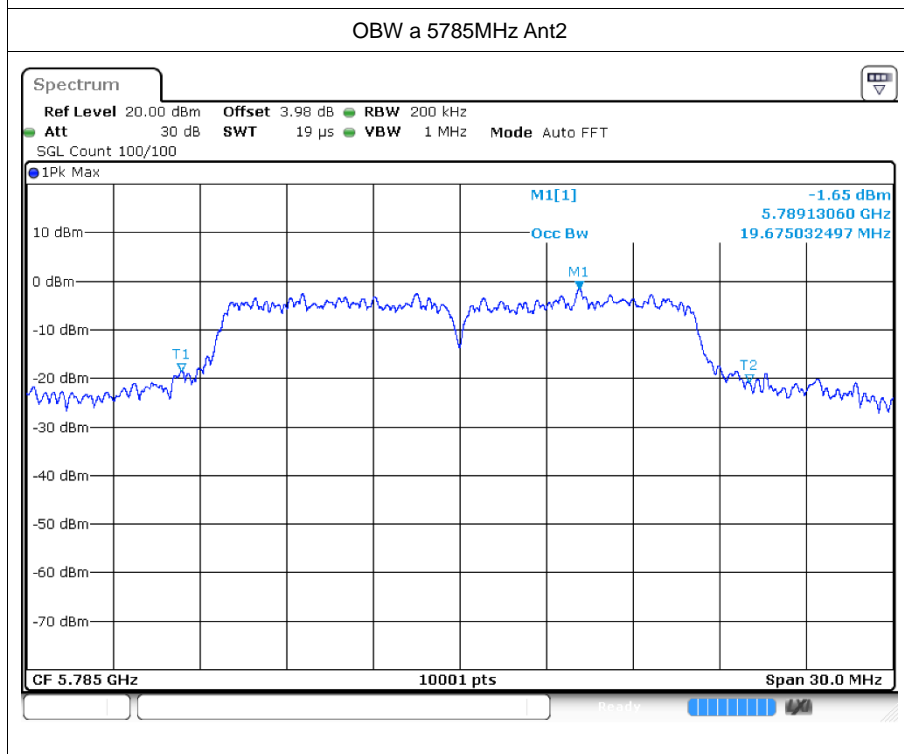
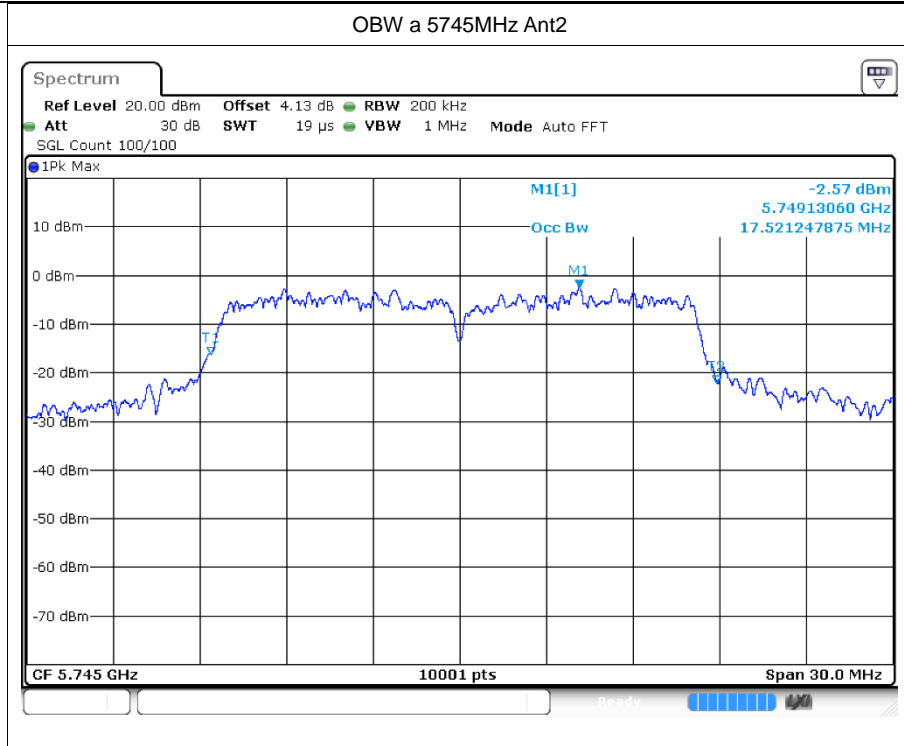


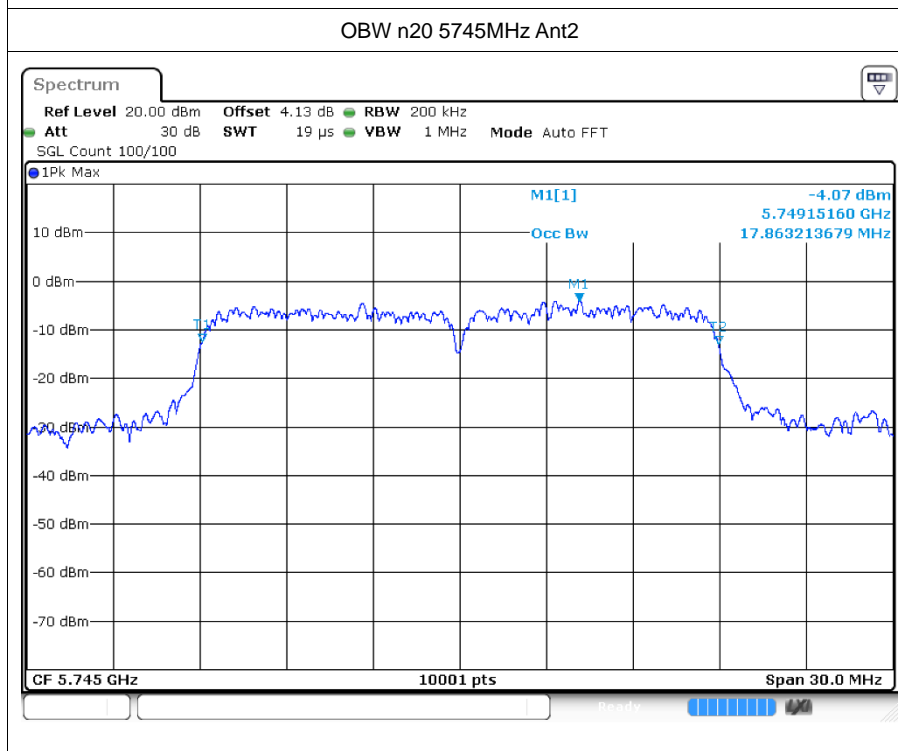
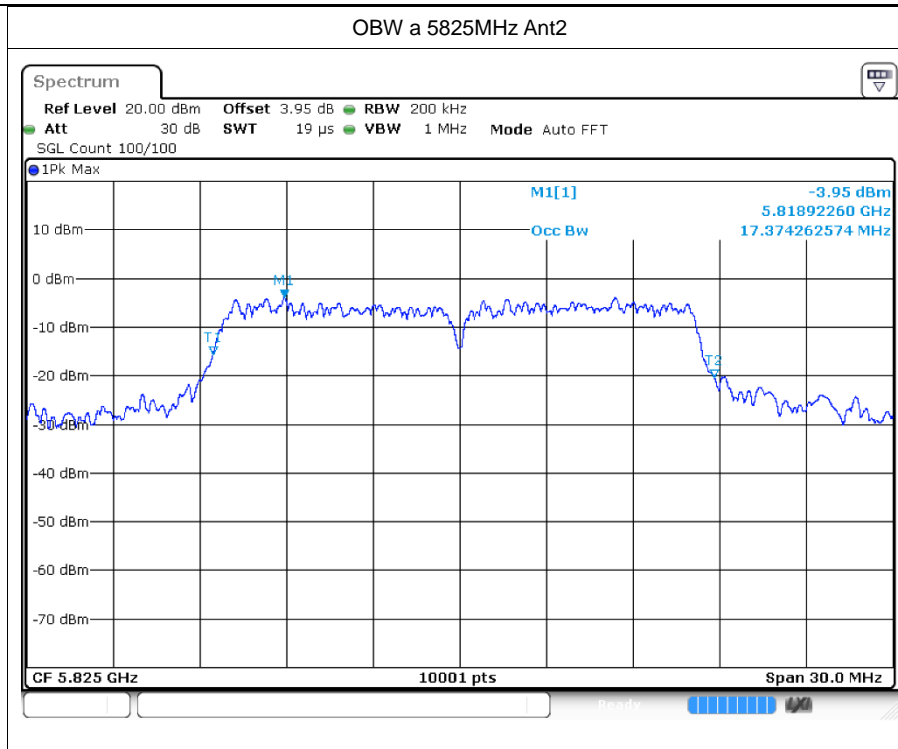




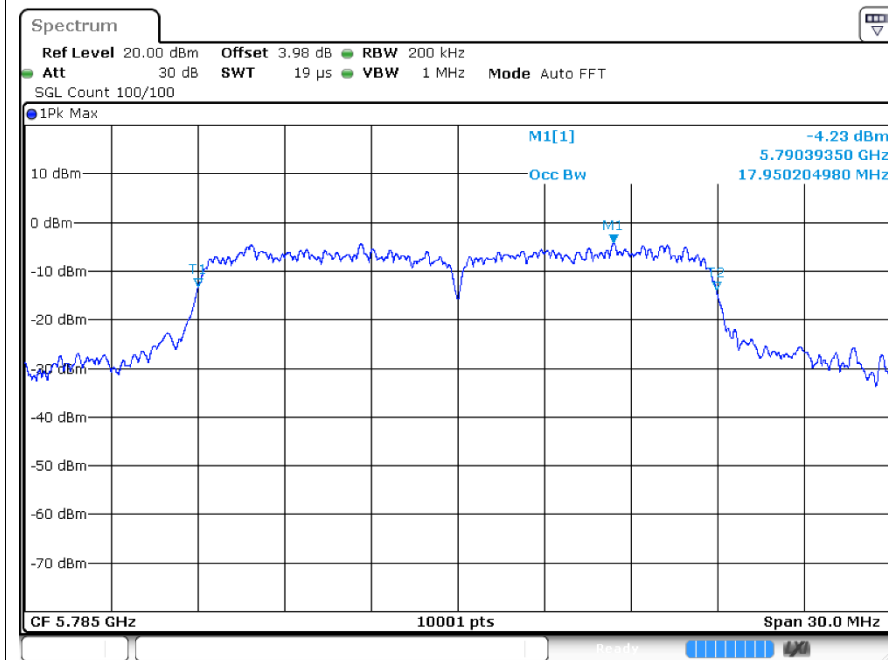




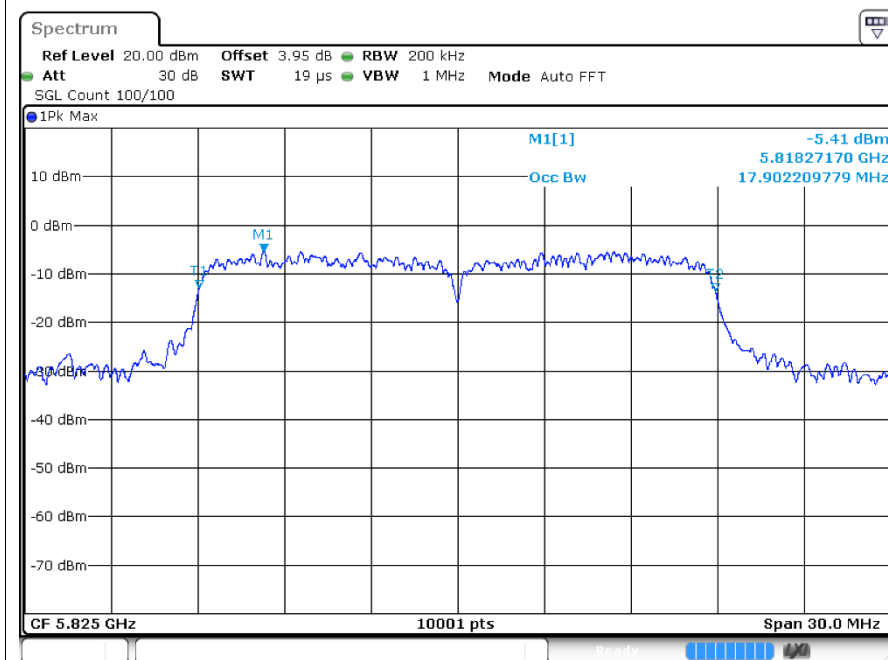


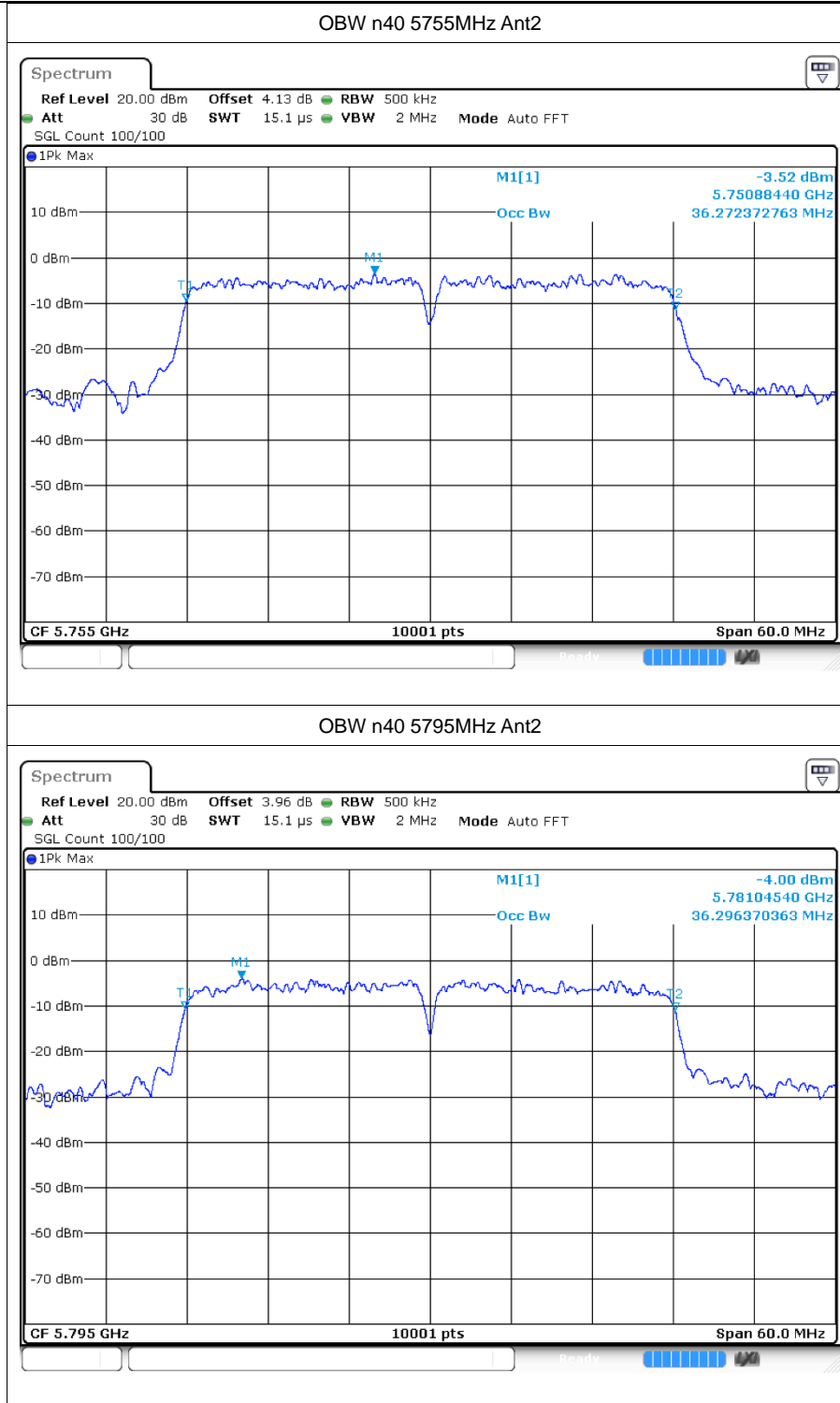


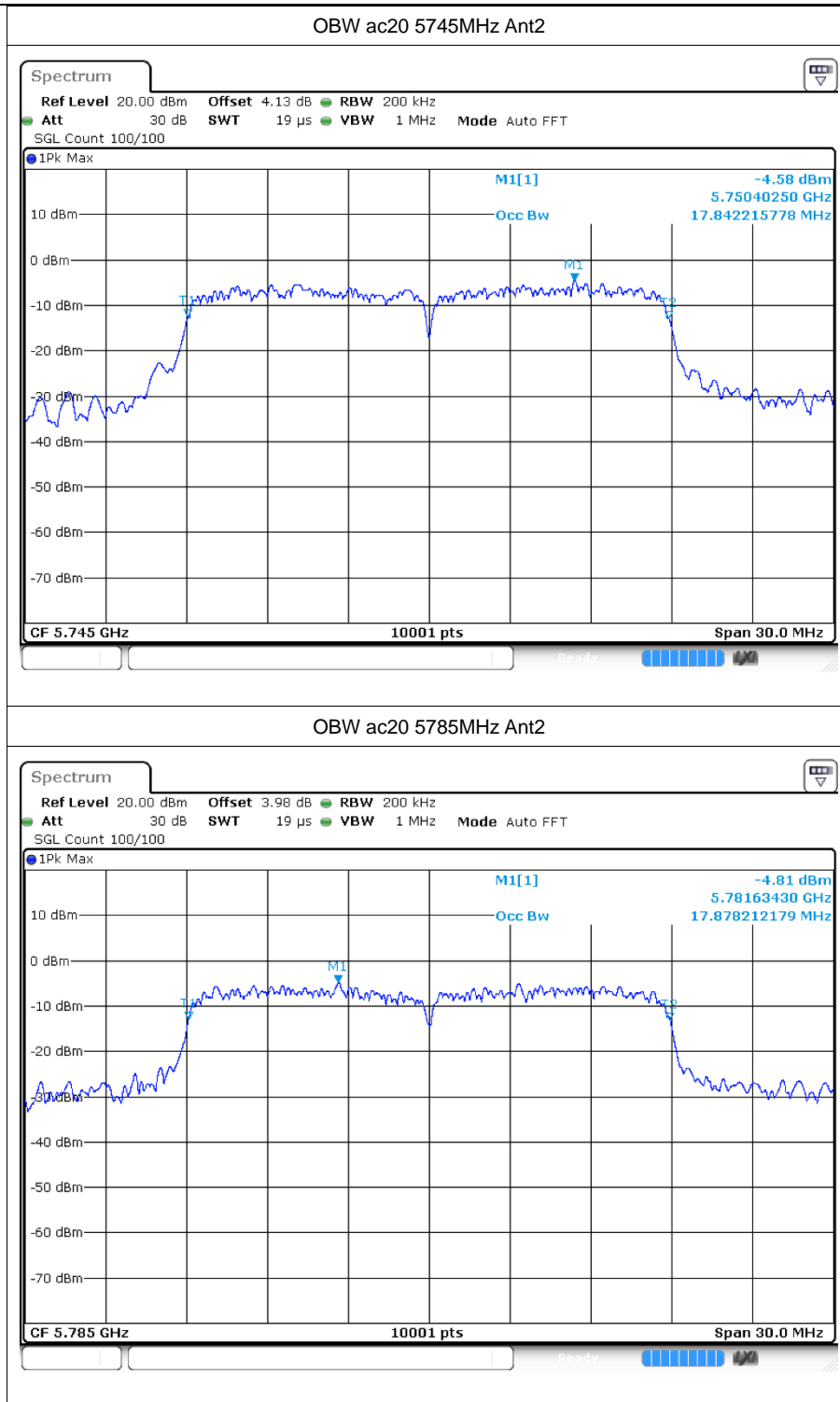
OBW n20 5785MHz Ant2

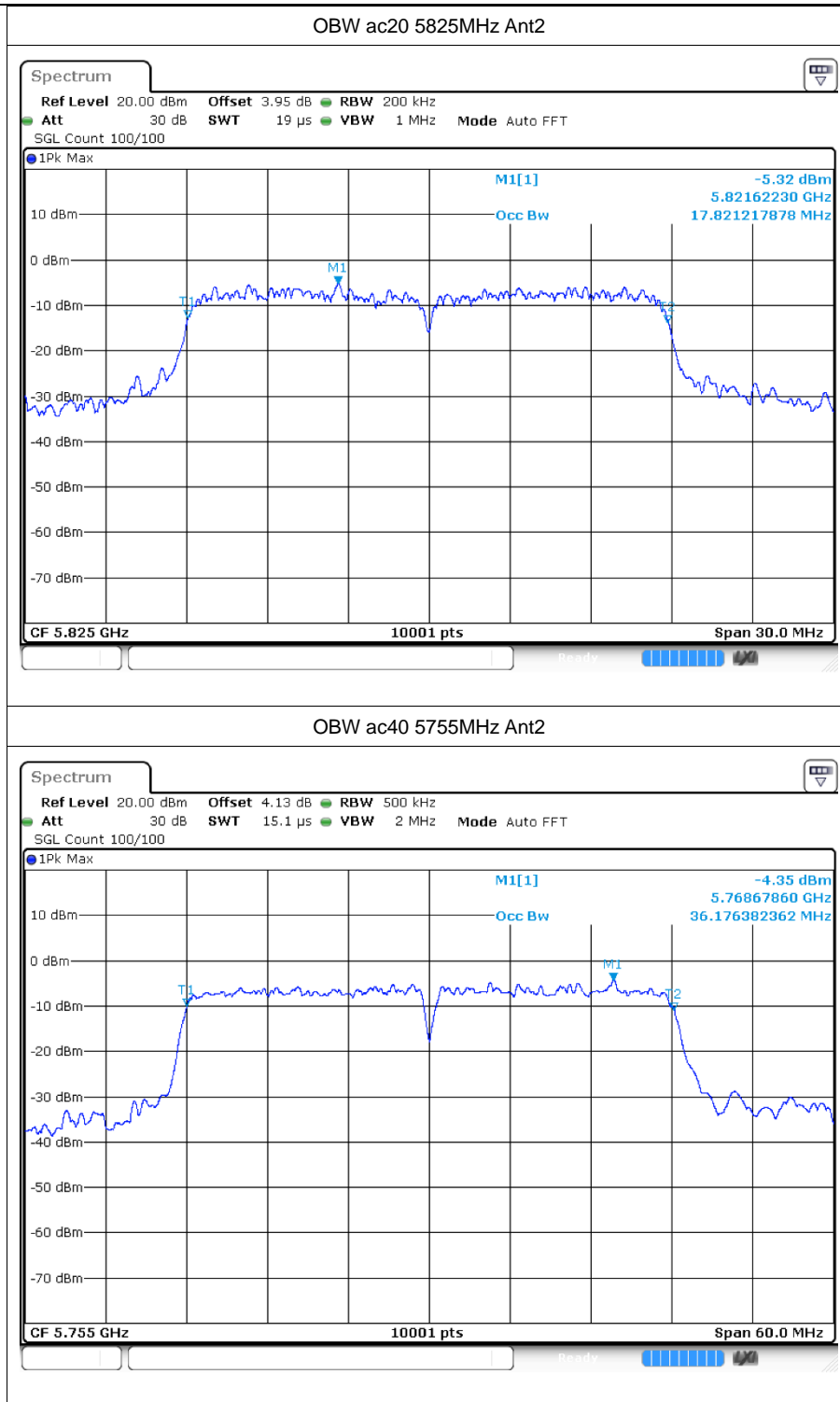


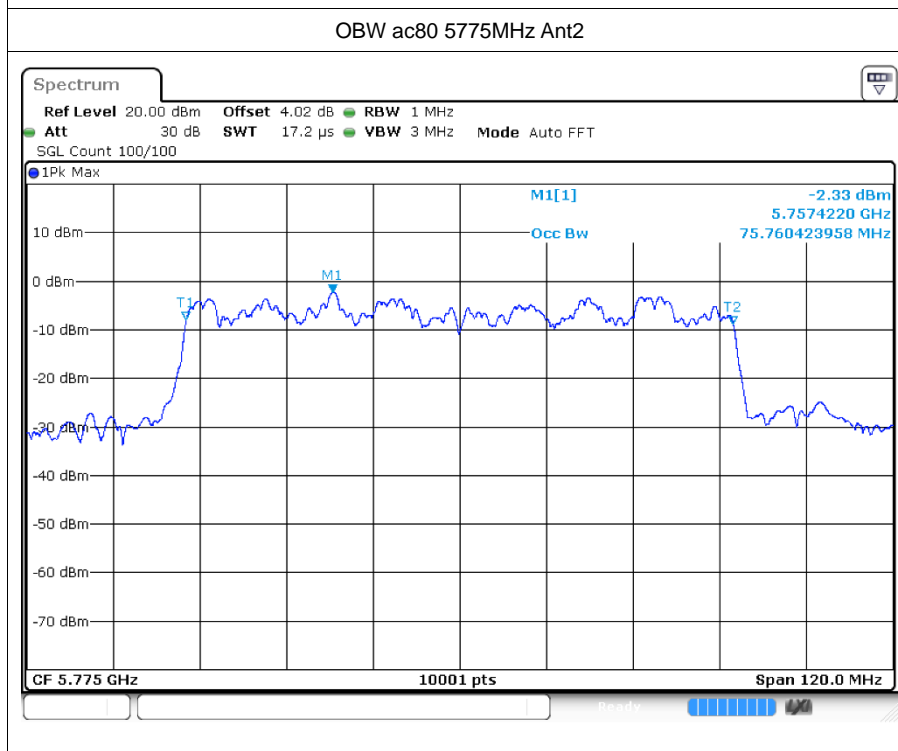
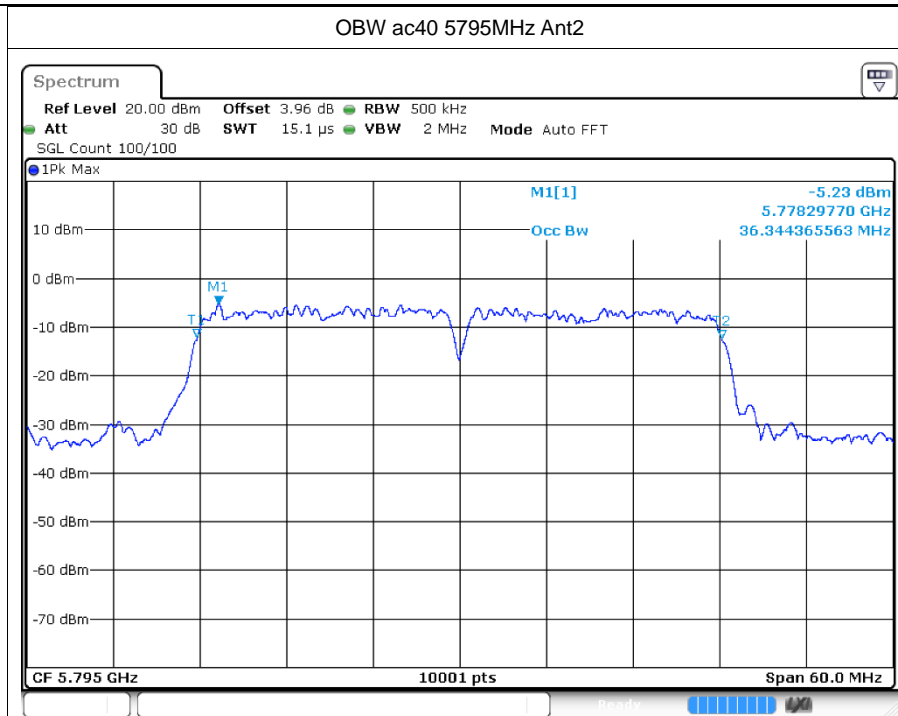
OBW n20 5825MHz Ant2











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	1.37	0	1.37	30	Pass
a	5785	Ant1	1.86	0	1.86	30	Pass
a	5825	Ant1	-0.64	0	-0.64	30	Pass
a	5745	Ant2	1.39	0	1.39	30	Pass
a	5785	Ant2	2.18	0	2.18	30	Pass
a	5825	Ant2	-0.03	0	-0.03	30	Pass
n20	5745	Ant1	-0.29	0	-0.29	30	Pass
n20	5745	Ant2	-0.15	0	-0.15	30	Pass
n20	5745	Sum	-	-	2.79	30	Pass
n20	5785	Ant1	0.1	0	0.1	30	Pass
n20	5785	Ant2	-0.27	0	-0.27	30	Pass
n20	5785	Sum	-	-	2.93	30	Pass
n20	5825	Ant1	-1.21	0	-1.21	30	Pass
n20	5825	Ant2	-1.51	0	-1.51	30	Pass
n20	5825	Sum	-	-	1.65	30	Pass
n40	5755	Ant1	-2.48	0	-2.48	30	Pass
n40	5755	Ant2	-3	0	-3	30	Pass
n40	5755	Sum	-	-	0.28	30	Pass
n40	5795	Ant1	-3.24	0	-3.24	30	Pass
n40	5795	Ant2	-4.31	0	-4.31	30	Pass
n40	5795	Sum	-	-	-0.73	30	Pass
ac20	5745	Ant1	1.15	0	1.15	30	Pass
ac20	5745	Ant2	-1.25	0	-1.25	30	Pass
ac20	5745	Sum	-	-	3.12	30	Pass
ac20	5785	Ant1	1.77	0	1.77	30	Pass
ac20	5785	Ant2	-0.57	0	-0.57	30	Pass
ac20	5785	Sum	-	-	3.77	30	Pass
ac20	5825	Ant1	-1.11	0	-1.11	30	Pass
ac20	5825	Ant2	-1.48	0	-1.48	30	Pass
ac20	5825	Sum	-	-	1.72	30	Pass
ac40	5755	Ant1	-2.57	0	-2.57	30	Pass
ac40	5755	Ant2	-4.56	0	-4.56	30	Pass
ac40	5755	Sum	-	-	-0.44	30	Pass
ac40	5795	Ant1	-3.21	0	-3.21	30	Pass



ac40	5795	Ant2	-4.81	0	-4.81	30	Pass
ac40	5795	Sum	-	-	-0.93	30	Pass
ac80	5775	Ant1	-5.02	0	-5.02	30	Pass
ac80	5775	Ant2	-6.18	0	-6.18	30	Pass
ac80	5775	Sum	-	-	-2.55	30	Pass



5.2 Test Graphs

