



Appendix E

RF Test Data for 5.8GWIFI(Conducted Measurement)

Product Name: Mini PC

Trade Mark: Blackview

Test Model: MP200

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

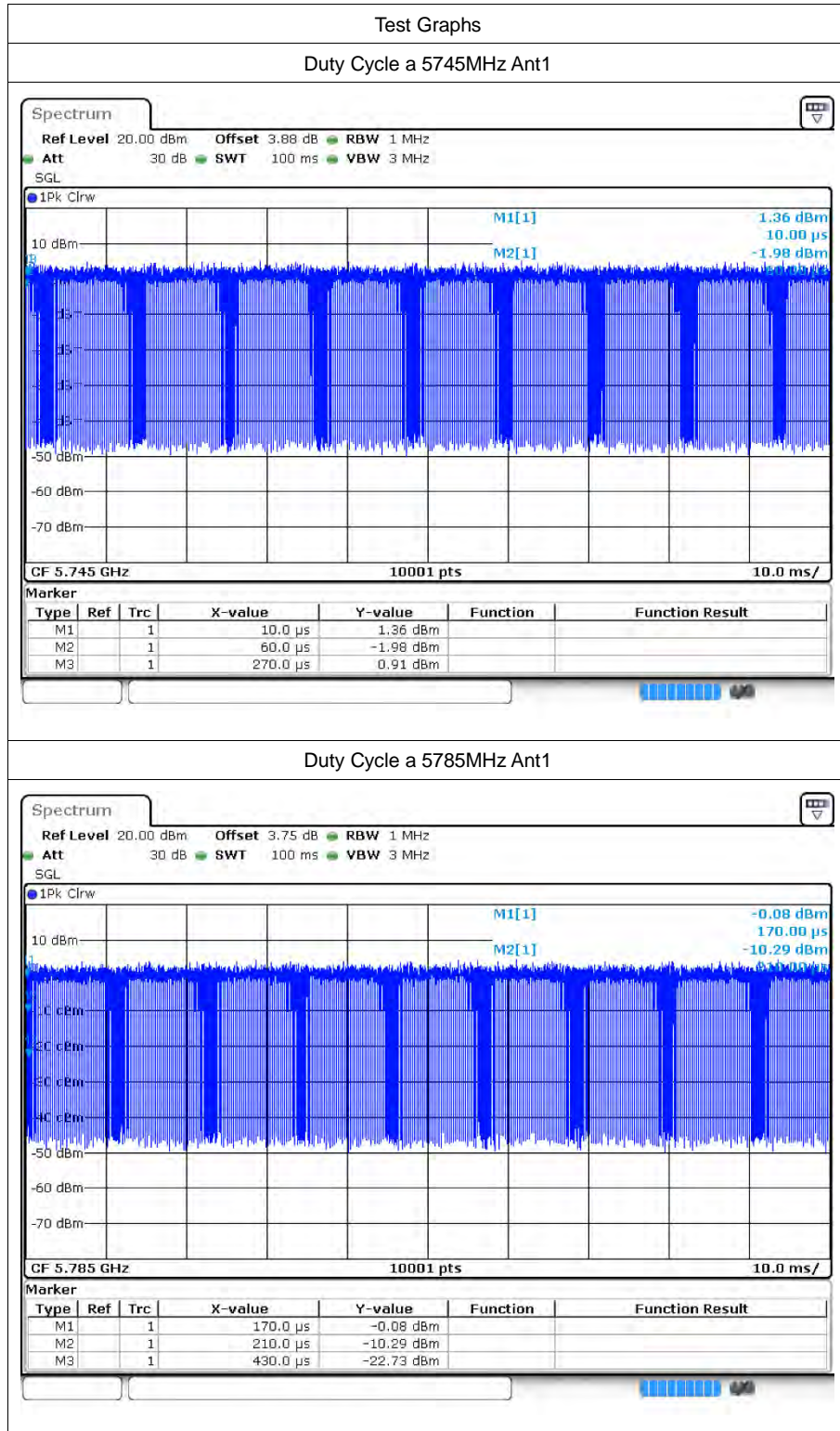
Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
a	5745	Ant1	87.02	0.6	4.76
a	5785	Ant1	87.07	0.6	4.55
a	5825	Ant1	86.99	0.61	4.76
a	5745	Ant2	87	0.6	4.55
a	5785	Ant2	87.1	0.6	4.76
a	5825	Ant2	86.96	0.61	4.76
n20	5745	Ant1	92.95	0.32	2.22
n20	5785	Ant1	92.79	0.32	2.22
n20	5825	Ant1	92.9	0.32	2.22
n20	5745	Ant2	93.06	0.31	2.22
n20	5785	Ant2	93.01	0.31	2.22
n20	5825	Ant2	92.87	0.32	2.22
n40	5755	Ant1	92.93	0.32	2.22
n40	5795	Ant1	92.9	0.32	2.22
n40	5755	Ant2	91.27	0.4	2.33
n40	5795	Ant2	91.31	0.39	2.27
ac20	5745	Ant1	87.14	0.6	4.55
ac20	5785	Ant1	87.15	0.6	4.55
ac20	5825	Ant1	86.96	0.61	4.55
ac20	5745	Ant2	87.17	0.6	4.55
ac20	5785	Ant2	87.24	0.59	4.55
ac20	5825	Ant2	87.22	0.59	4.35
ac40	5755	Ant1	87.25	0.59	4.35
ac40	5795	Ant1	87.32	0.59	4.35
ac40	5755	Ant2	84.27	0.74	4.55
ac40	5795	Ant2	84.37	0.74	4.55
ac80	5775	Ant1	87.01	0.6	4.35
ac80	5775	Ant2	83.91	0.76	4.35
ax20	5745	Ant1	87.12	0.6	4.35
ax20	5785	Ant1	87.09	0.6	4.35
ax20	5825	Ant1	87.08	0.6	4.35
ax20	5745	Ant2	87.13	0.6	4.35
ax20	5785	Ant2	87.14	0.6	4.35
ax20	5825	Ant2	87.1	0.6	4.35
ax40	5755	Ant1	87.56	0.58	4.17
ax40	5795	Ant1	87.51	0.58	4.17
ax40	5755	Ant2	84.76	0.72	4.17

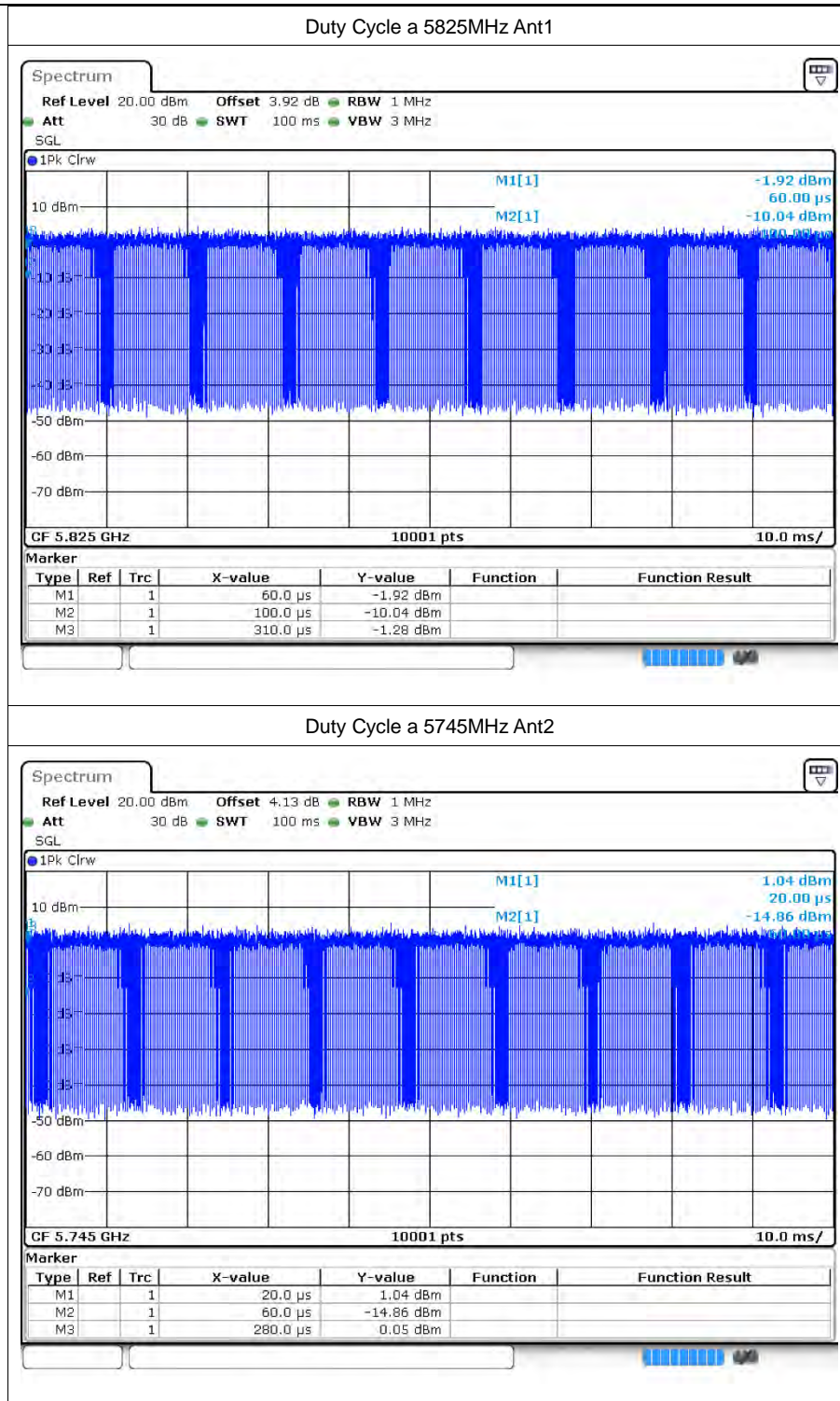


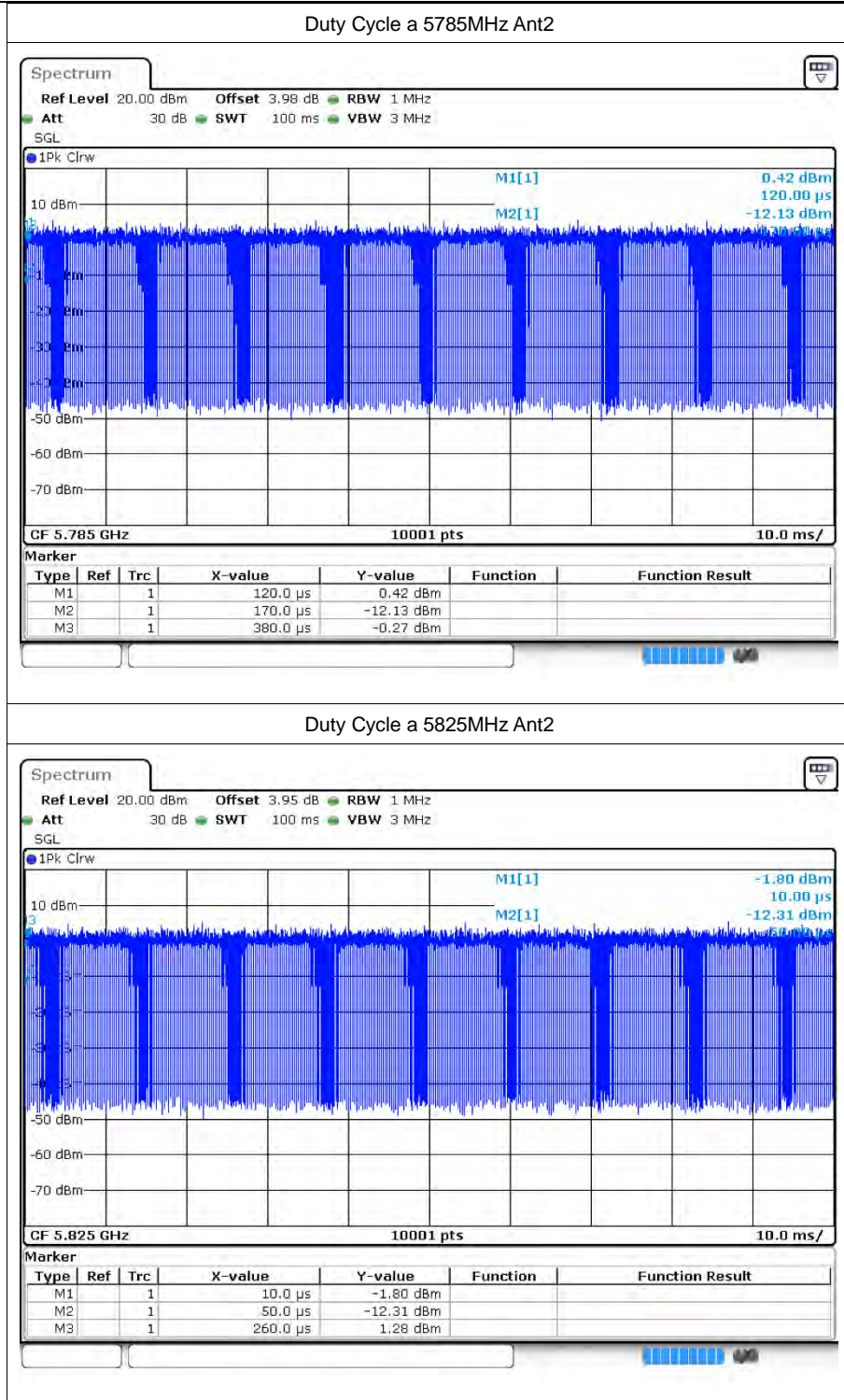
ax40	5795	Ant2	84.7	0.72	4.35
ax80	5775	Ant1	85.38	0.69	4.55
ax80	5775	Ant2	81.49	0.89	4.76

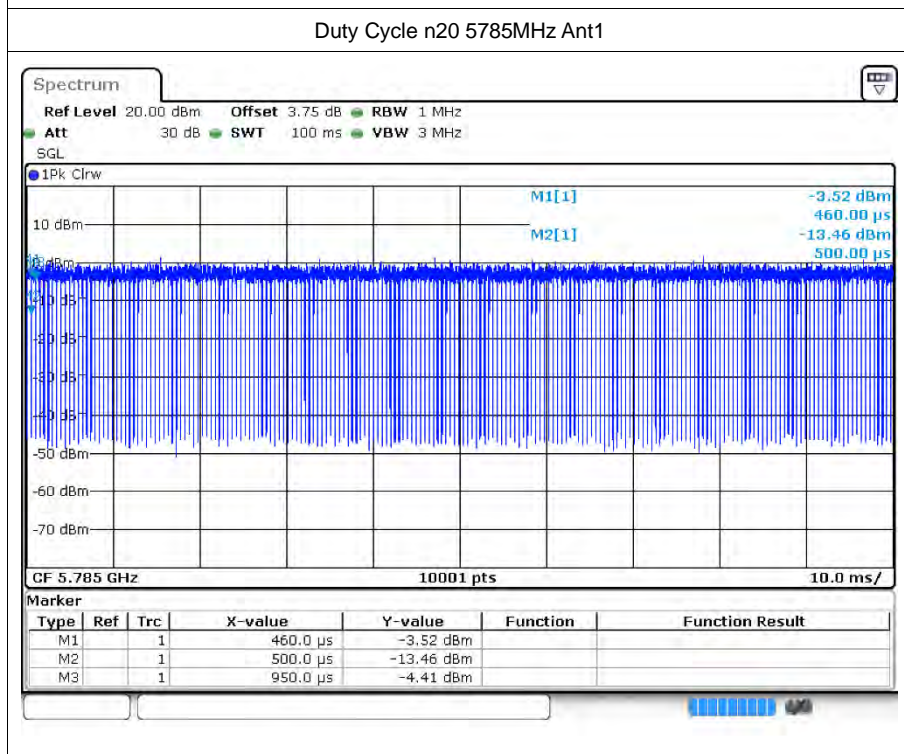
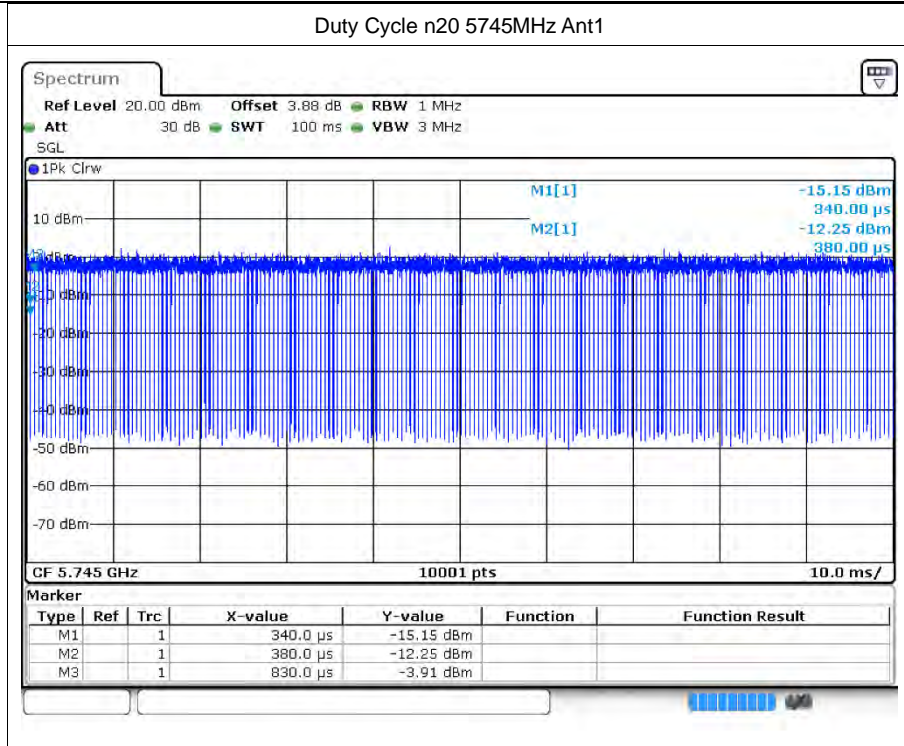


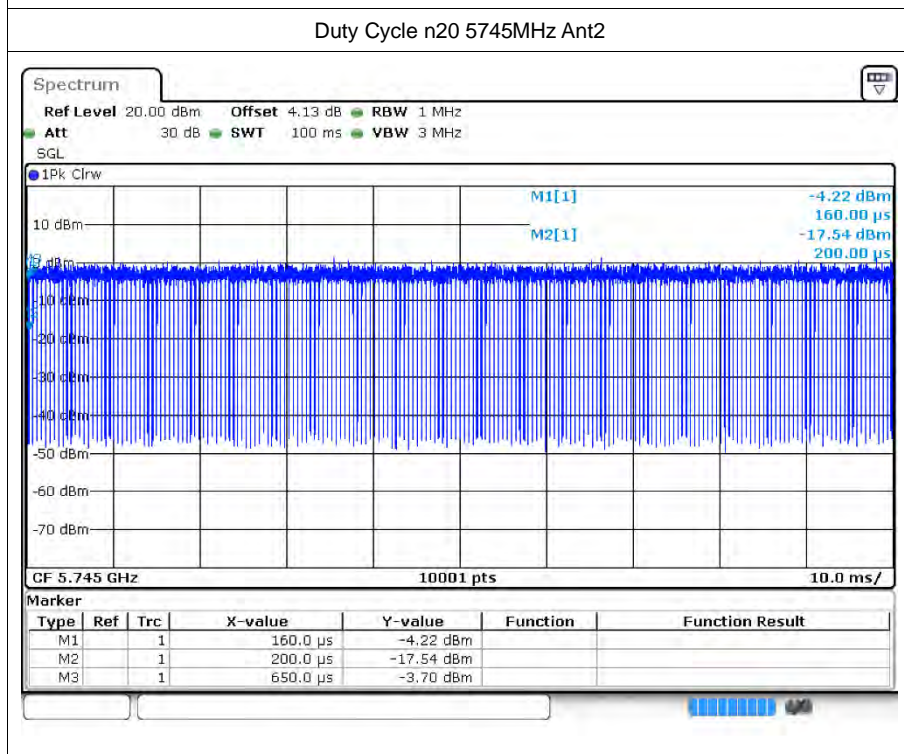
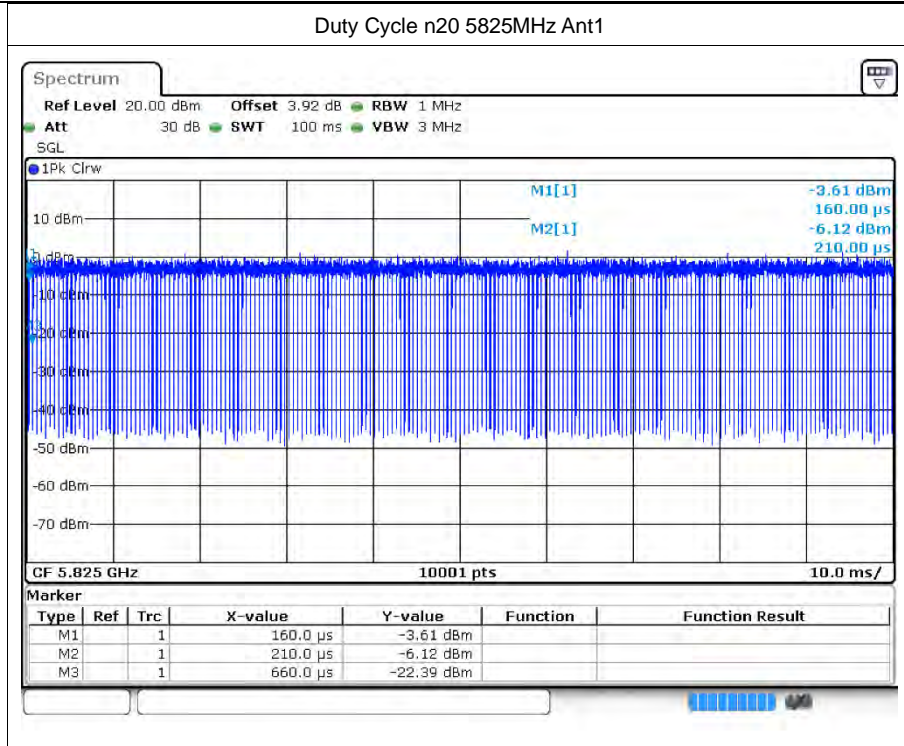
1.2 Test Graphs

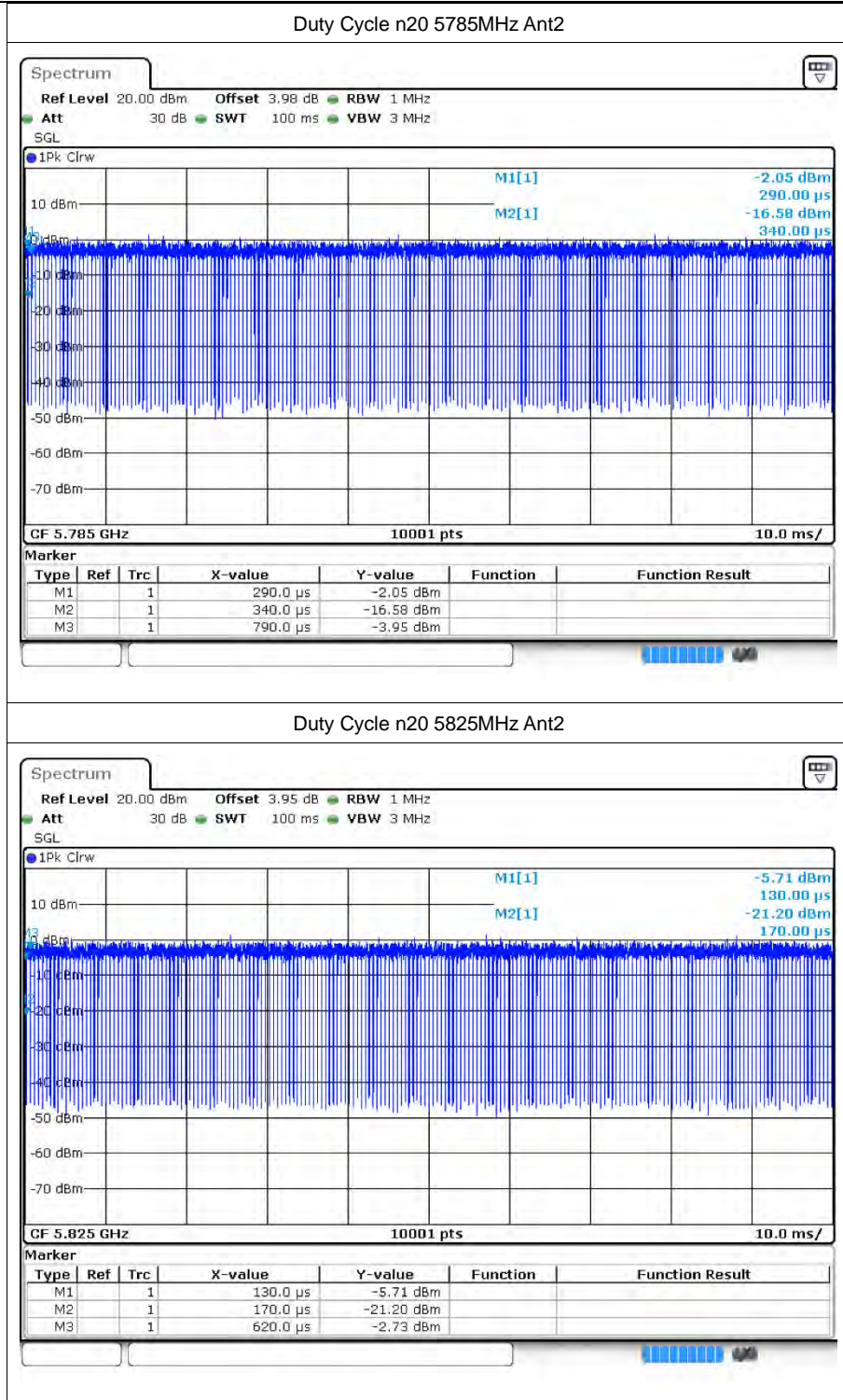


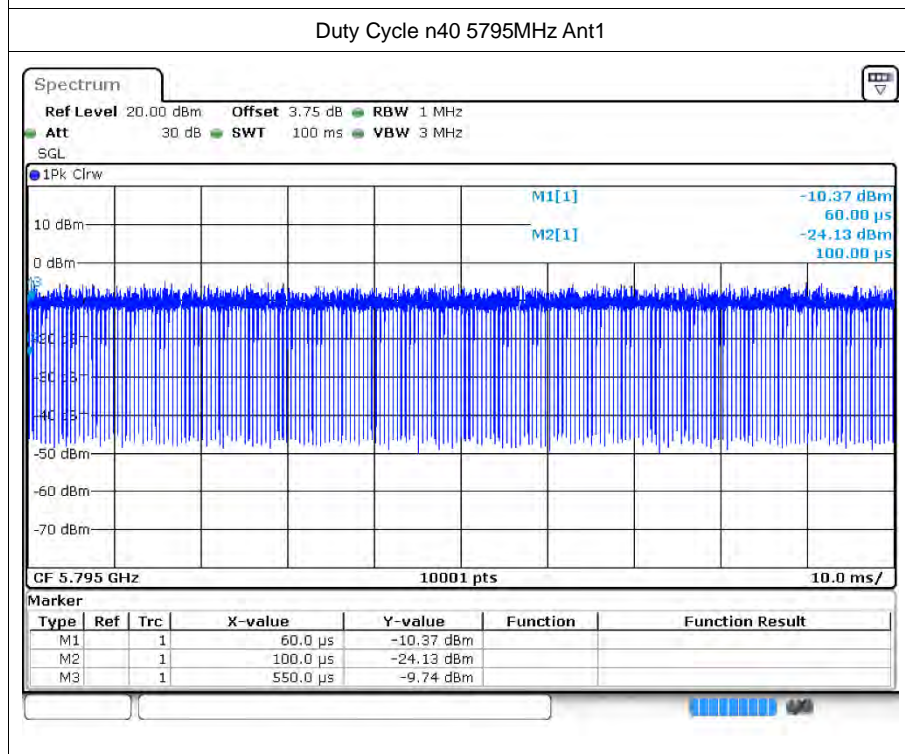
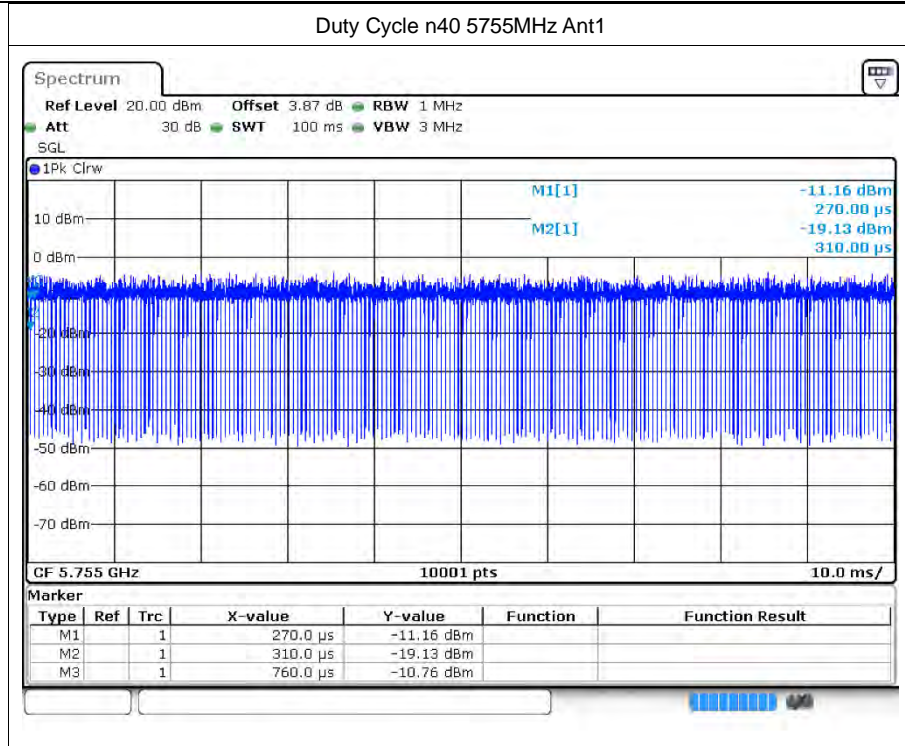


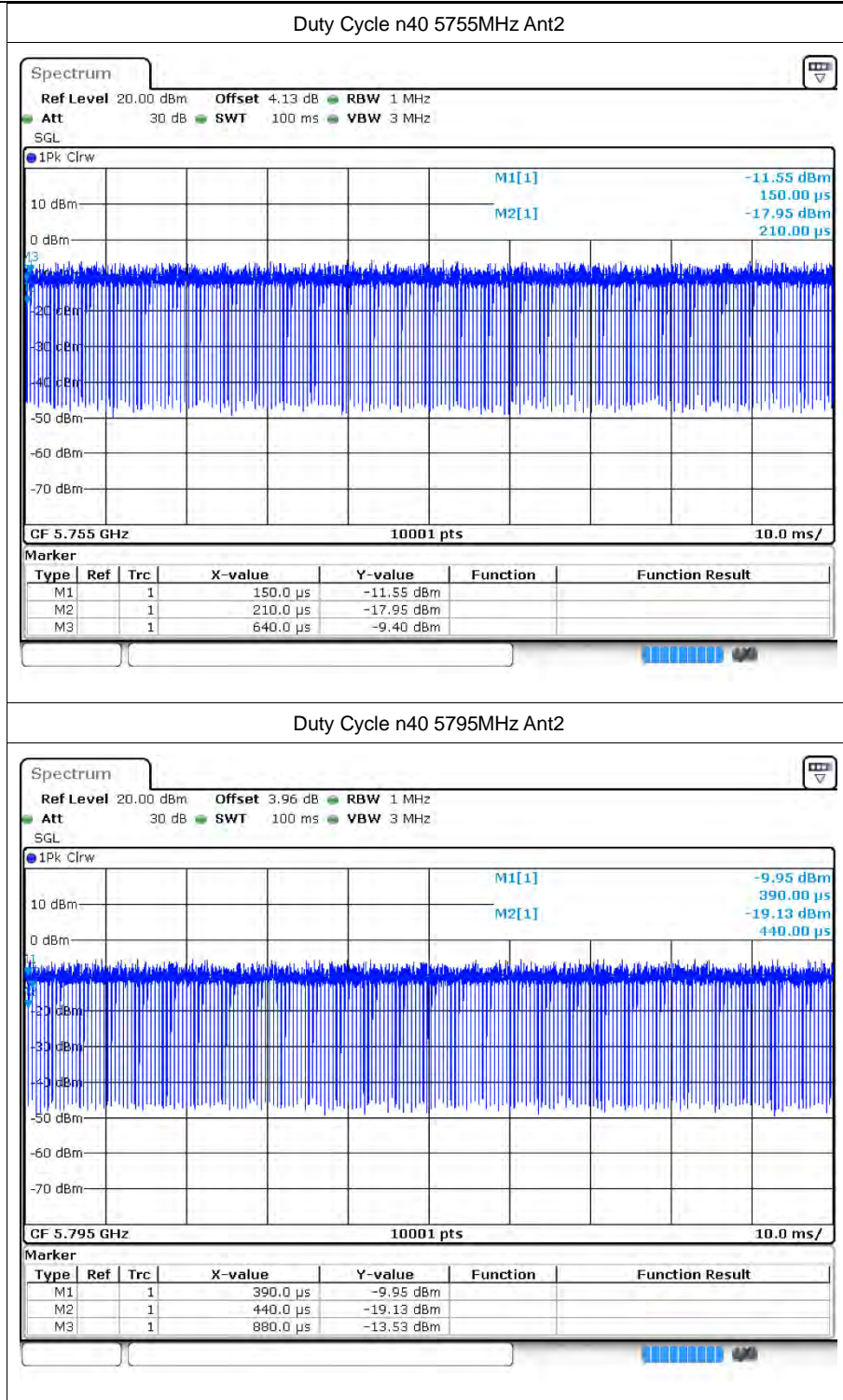


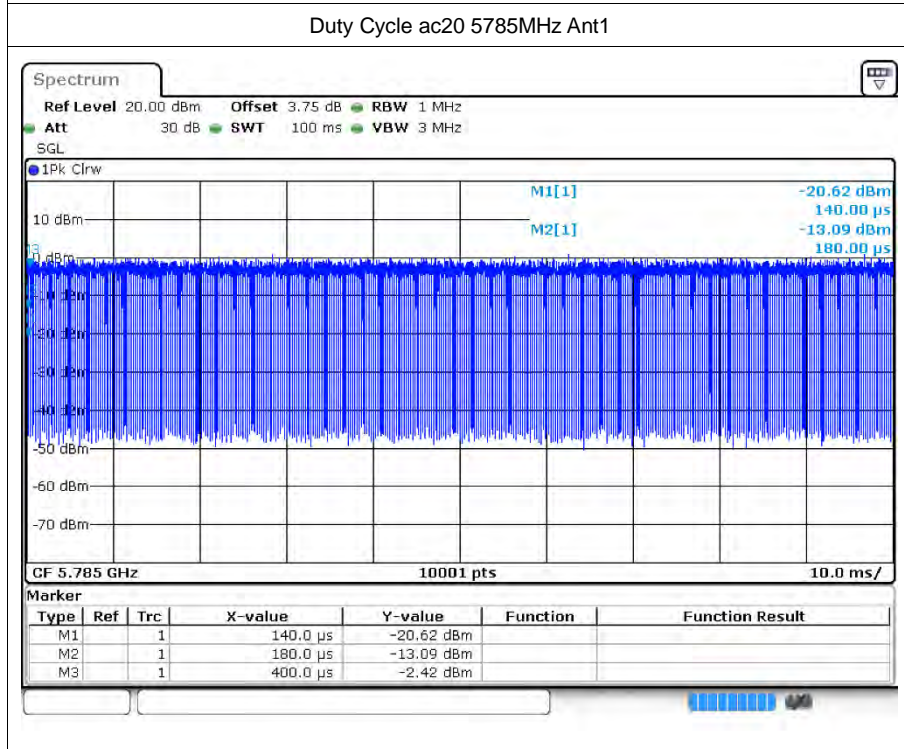
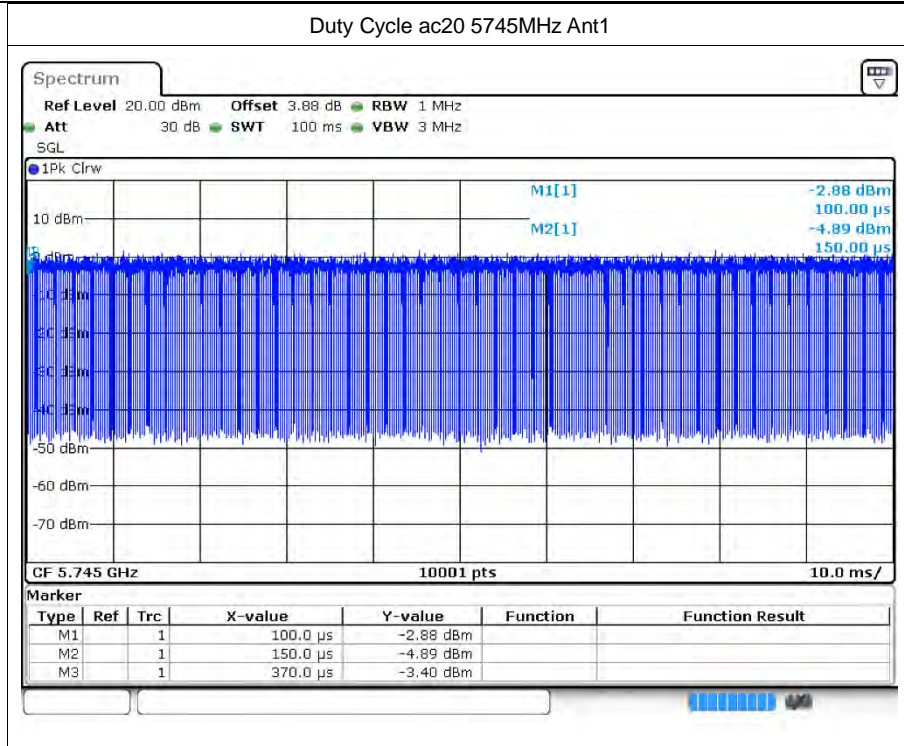


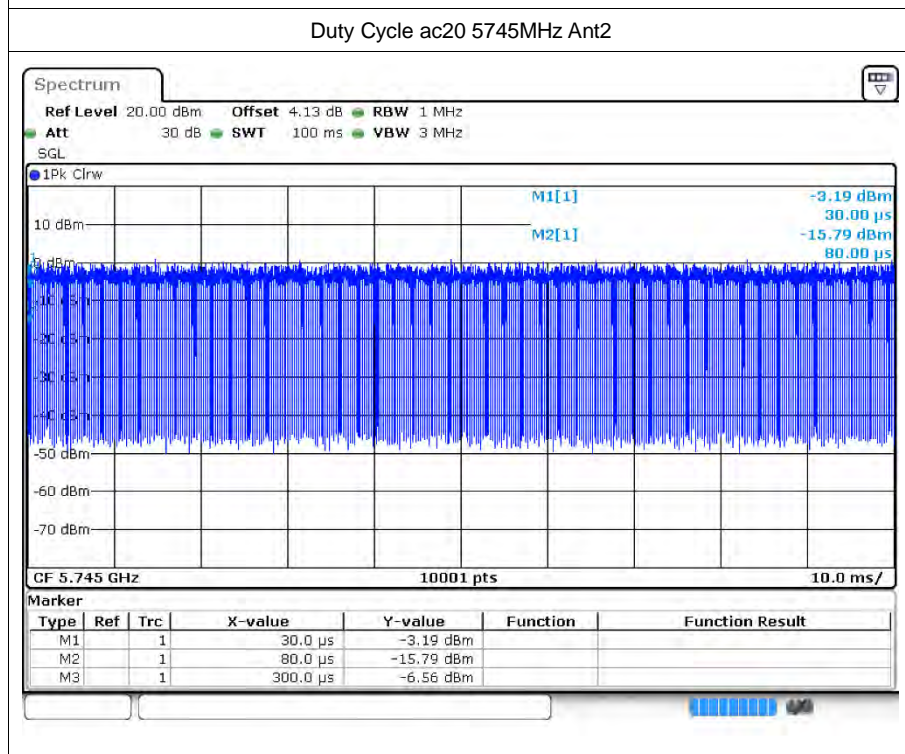
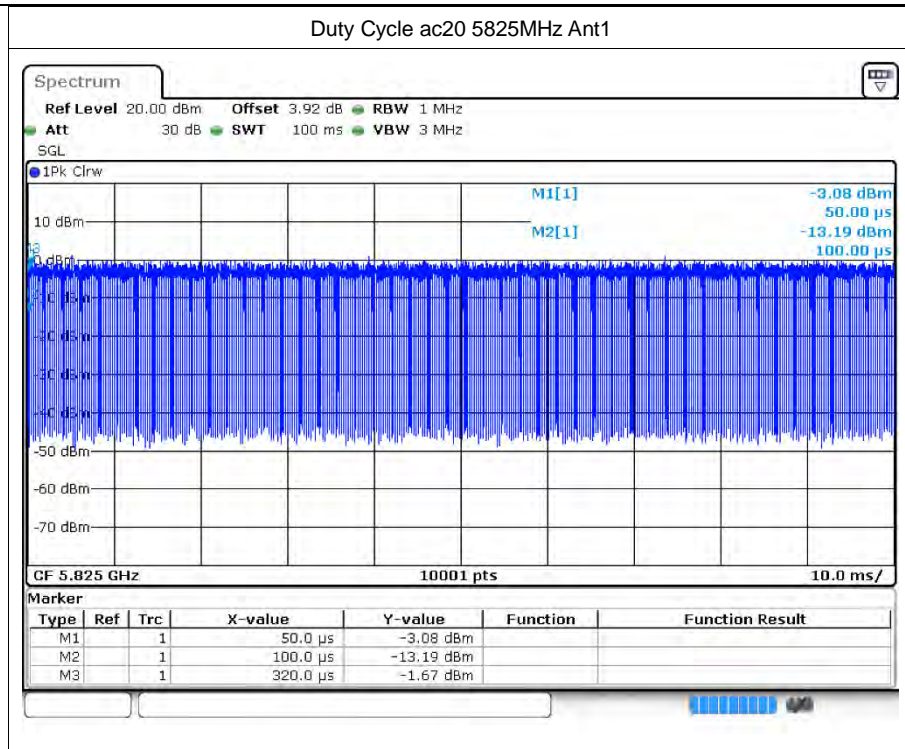


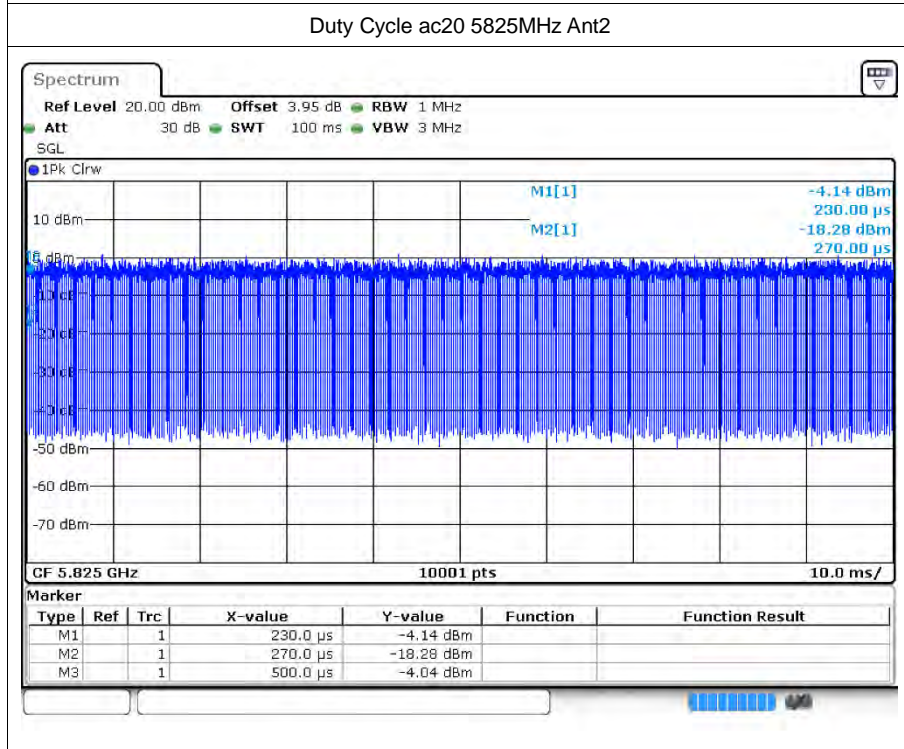
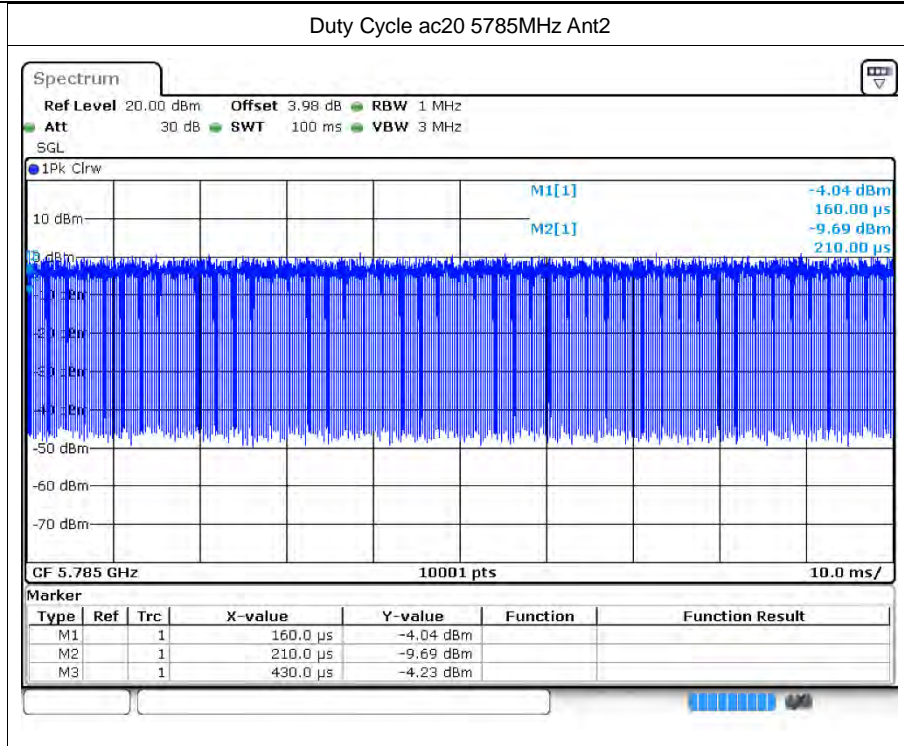


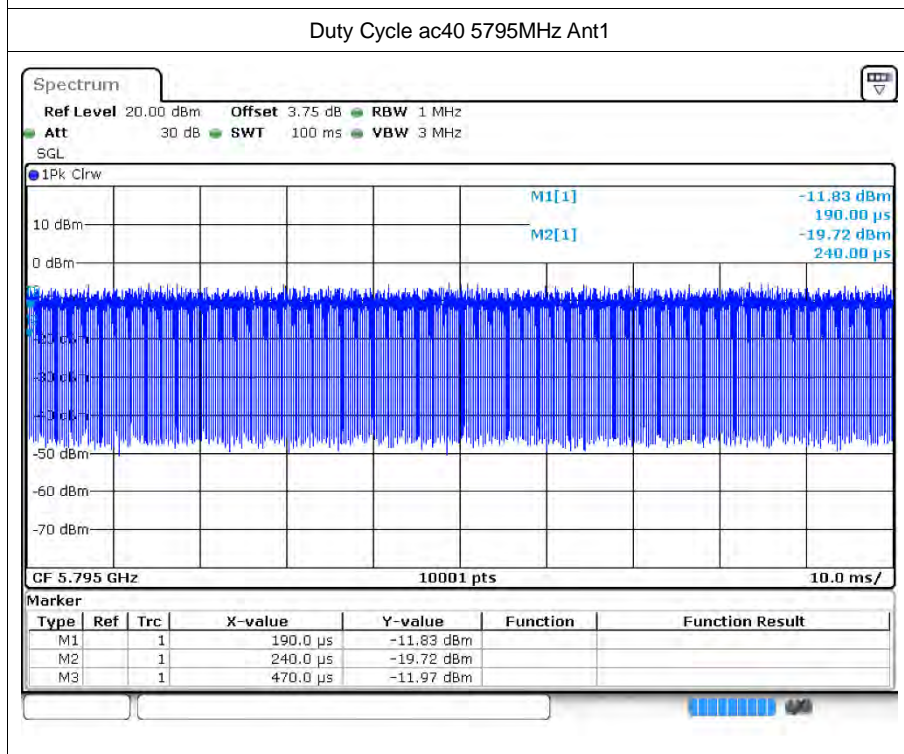
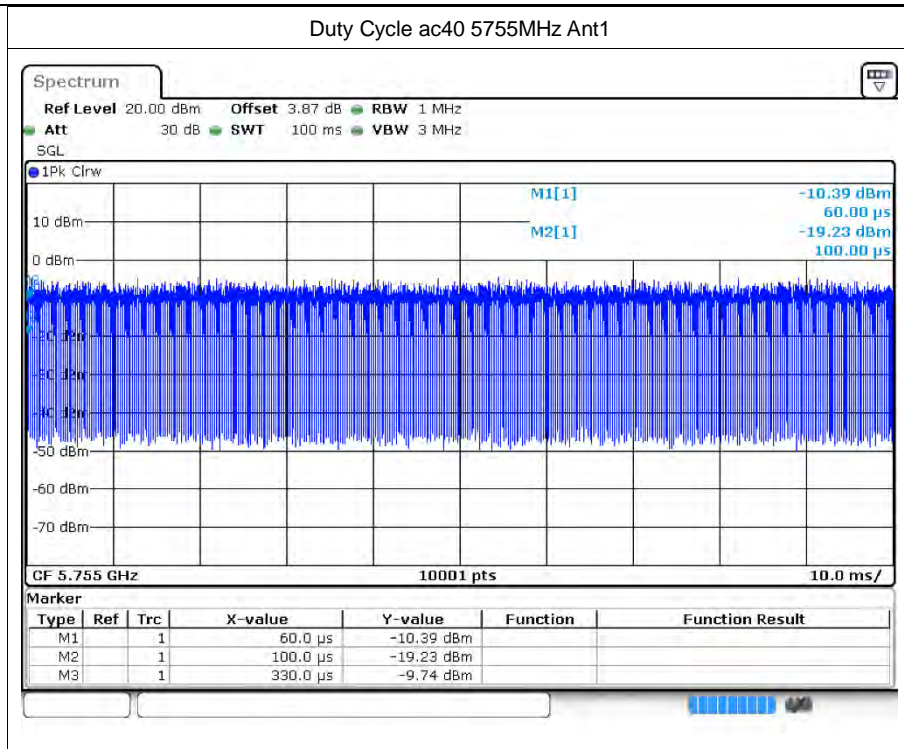


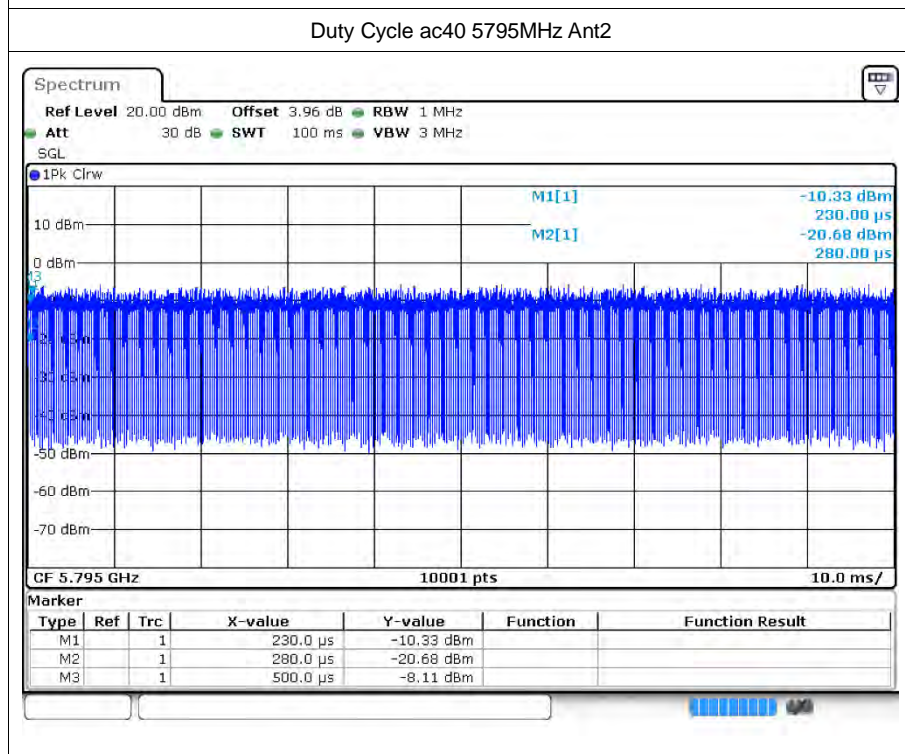
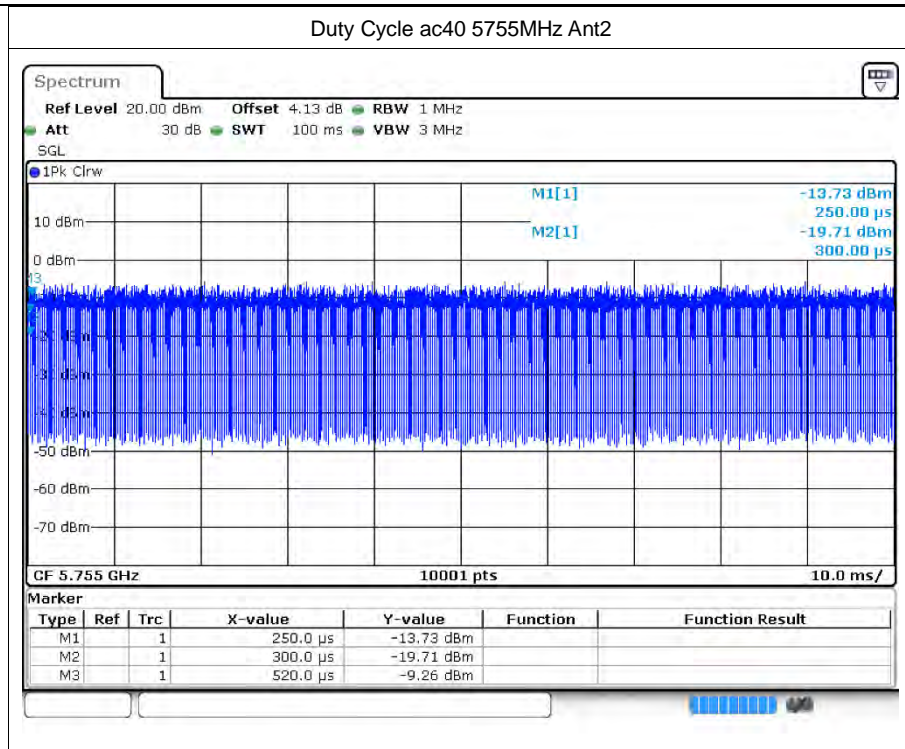


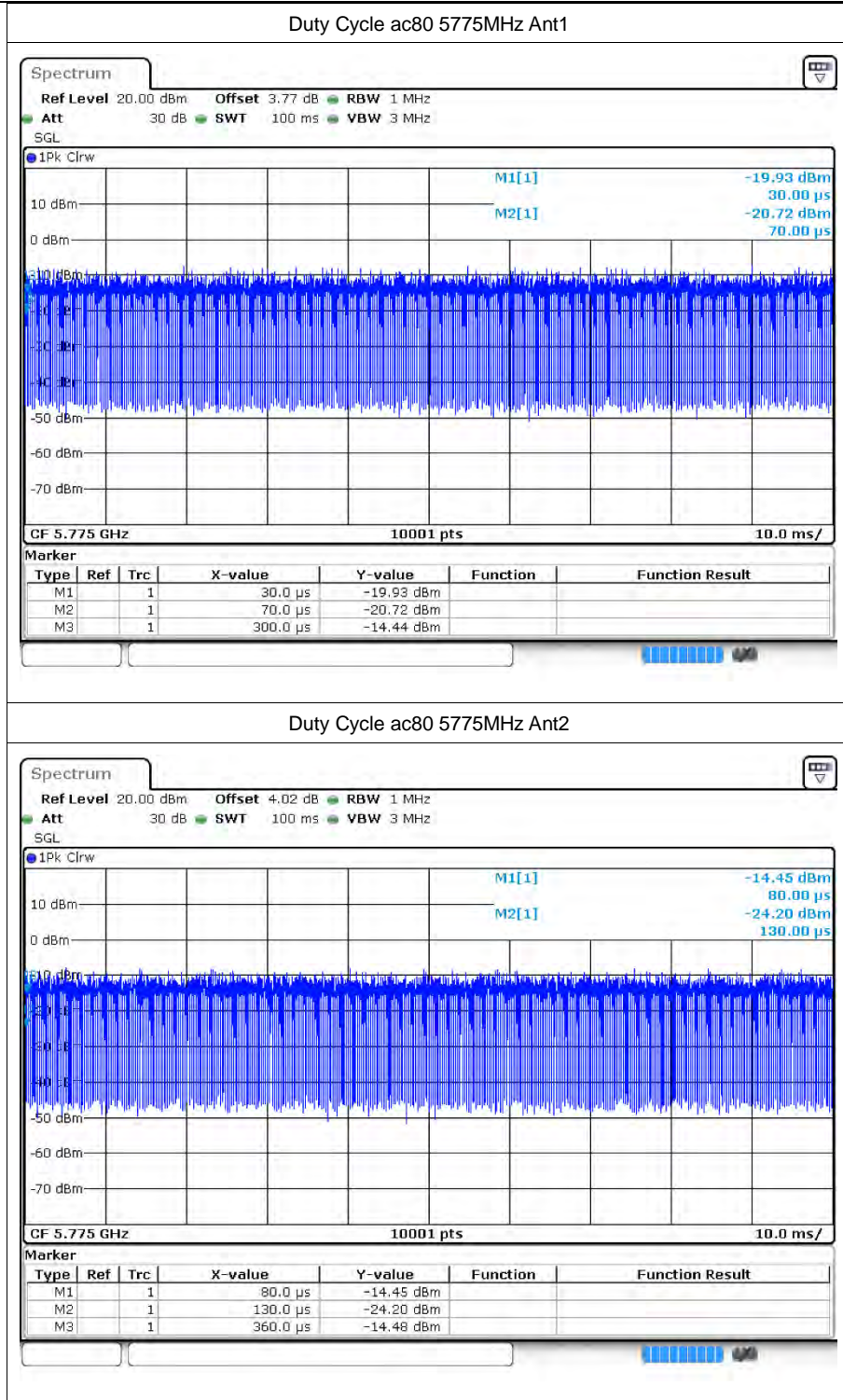


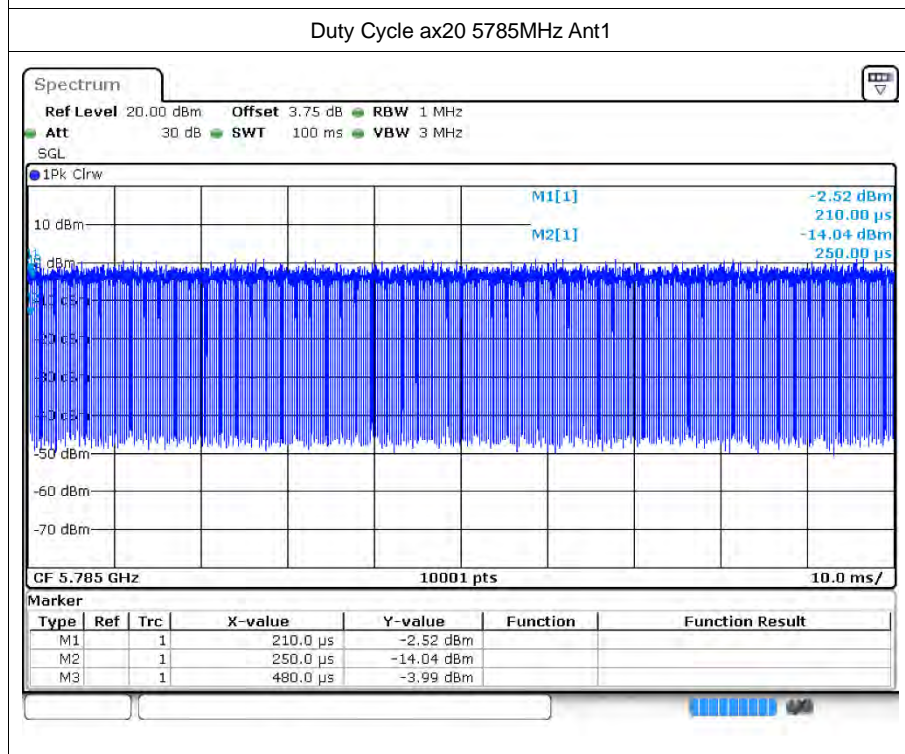
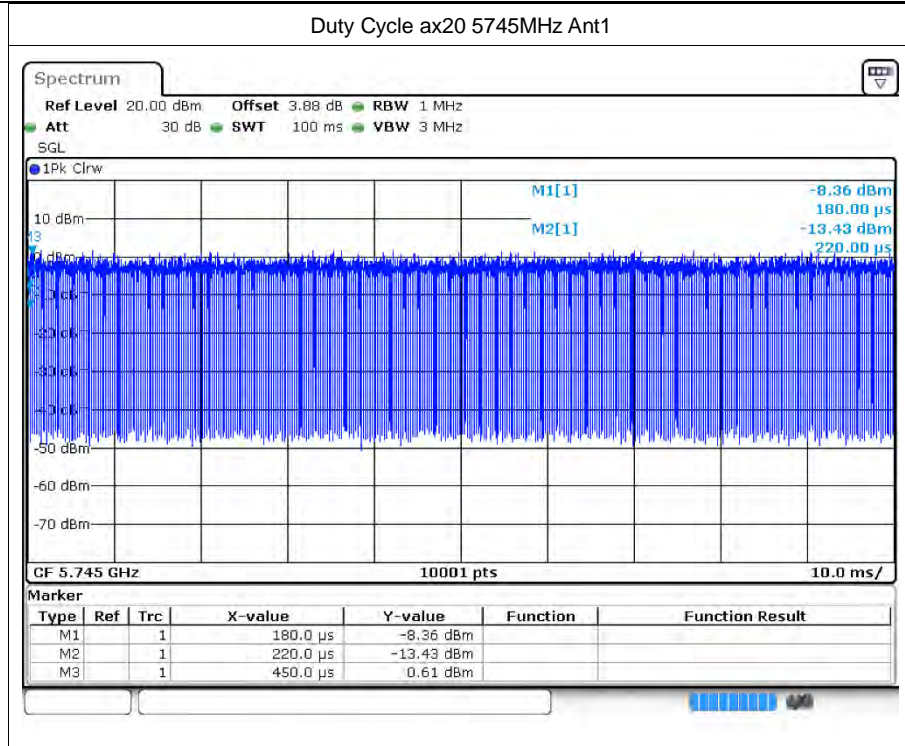






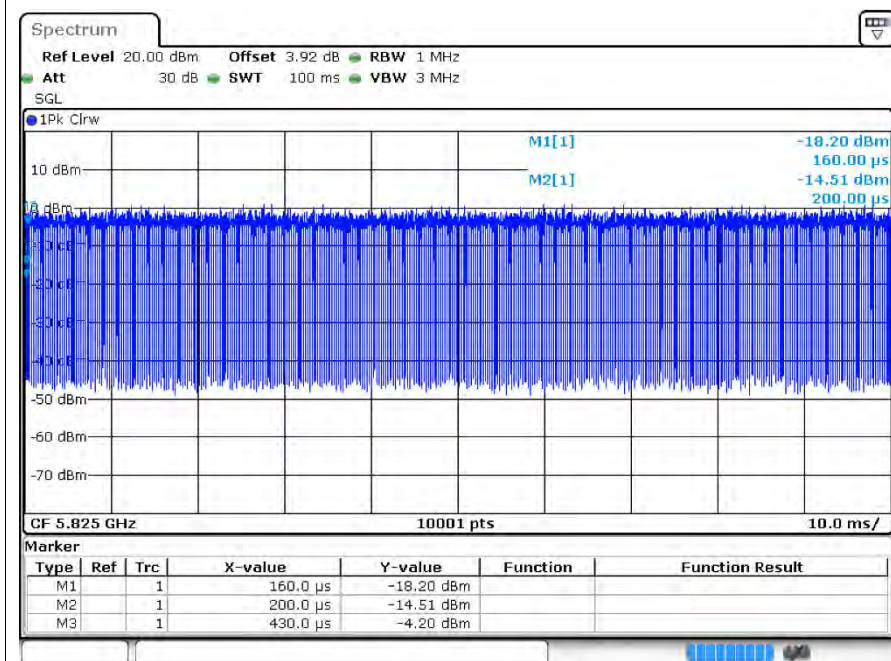




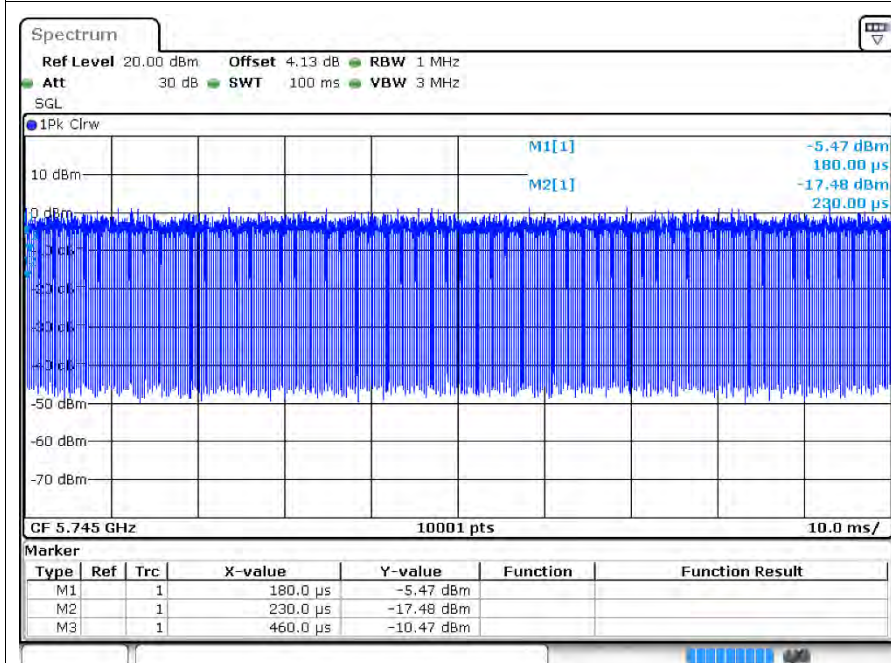


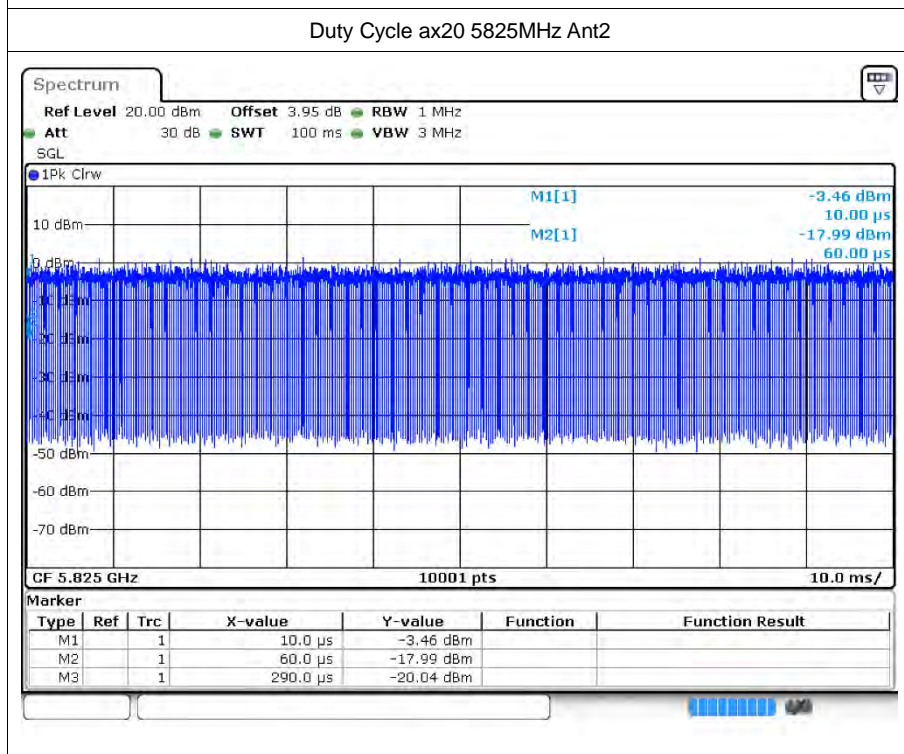
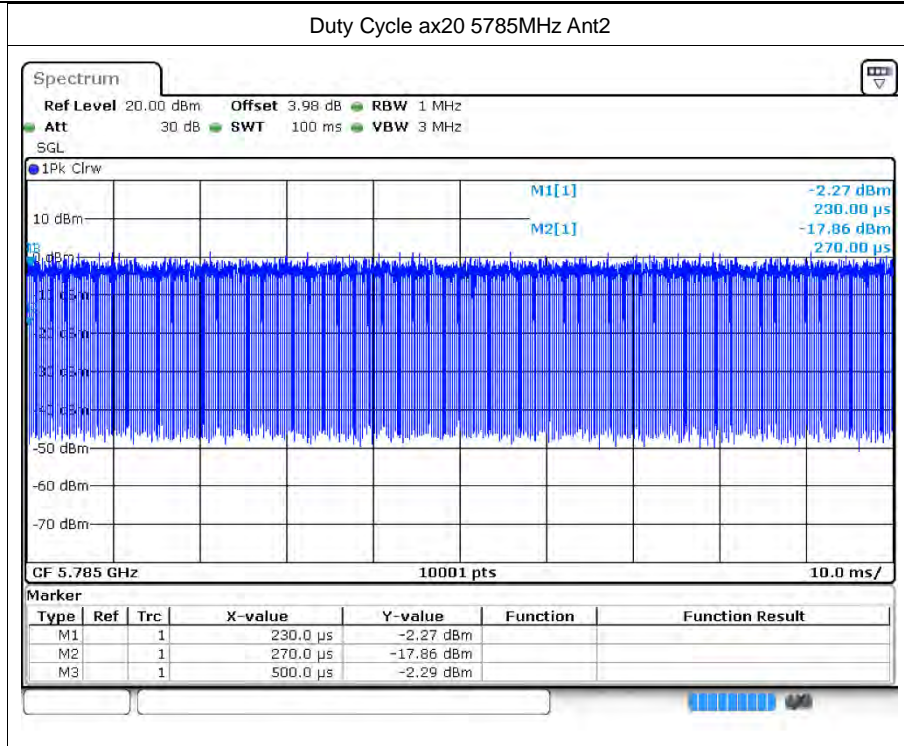


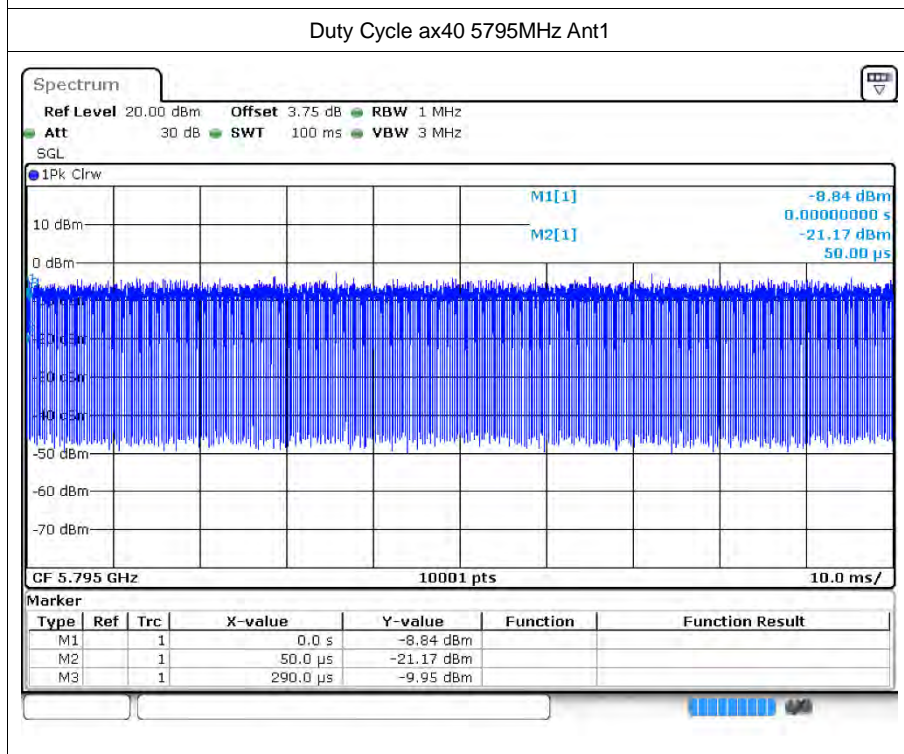
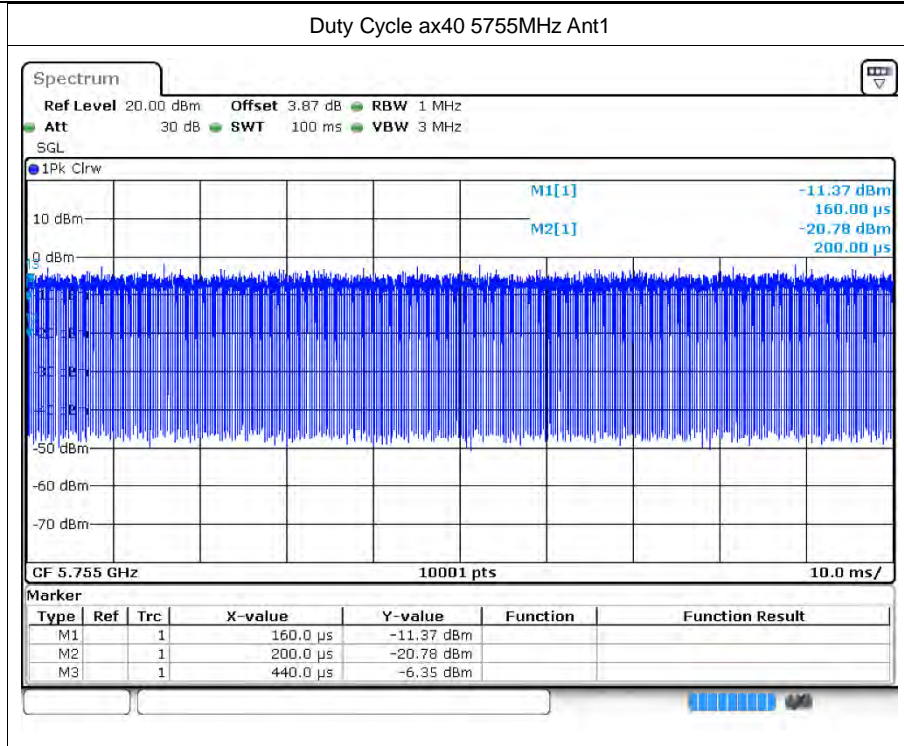
Duty Cycle ax20 5825MHz Ant1

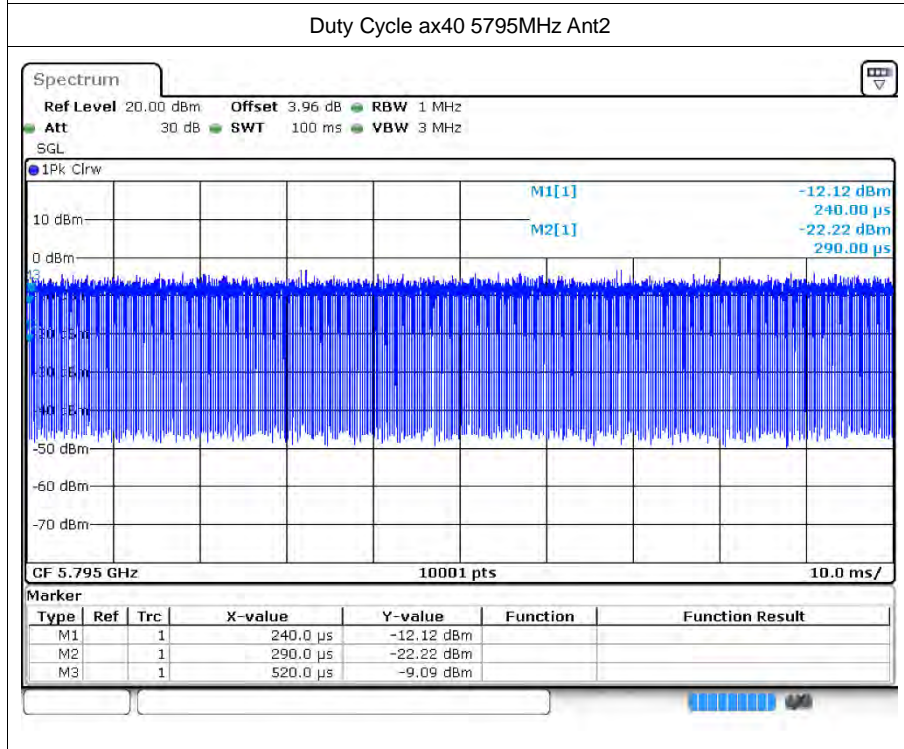
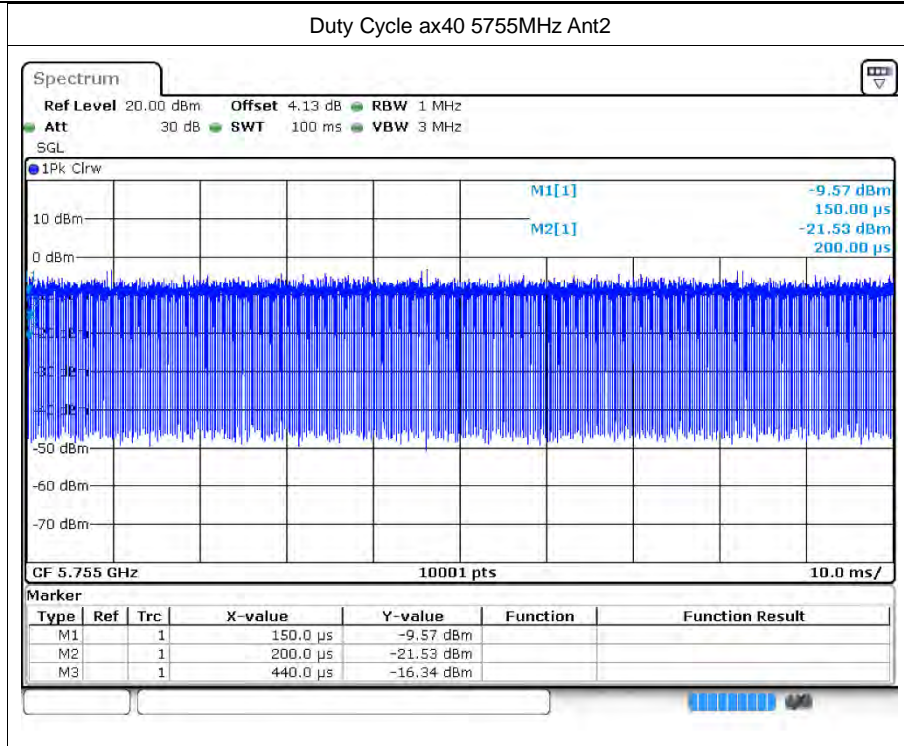


Duty Cycle ax20 5745MHz Ant2











2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
a	5745	Ant1	11.47	30	Pass
a	5785	Ant1	10.81	30	Pass
a	5825	Ant1	10.77	30	Pass
a	5745	Ant2	11.35	30	Pass
a	5785	Ant2	11.41	30	Pass
a	5825	Ant2	11.29	30	Pass
n20	5745	Ant1	8.39	30	Pass
n20	5745	Ant2	7.53	30	Pass
n20	5745	Sum	10.99	30	Pass
n20	5785	Ant1	7.64	30	Pass
n20	5785	Ant2	7.54	30	Pass
n20	5785	Sum	10.6	30	Pass
n20	5825	Ant1	7.5	30	Pass
n20	5825	Ant2	7.45	30	Pass
n20	5825	Sum	10.49	30	Pass
n40	5755	Ant1	7.96	30	Pass
n40	5755	Ant2	6.93	30	Pass
n40	5755	Sum	10.49	30	Pass
n40	5795	Ant1	6.91	30	Pass
n40	5795	Ant2	7.16	30	Pass
n40	5795	Sum	10.05	30	Pass
ac20	5745	Ant1	8.25	30	Pass
ac20	5745	Ant2	7.92	30	Pass
ac20	5745	Sum	11.1	30	Pass
ac20	5785	Ant1	7.47	30	Pass
ac20	5785	Ant2	7.98	30	Pass
ac20	5785	Sum	10.74	30	Pass
ac20	5825	Ant1	7.65	30	Pass
ac20	5825	Ant2	7.58	30	Pass
ac20	5825	Sum	10.63	30	Pass
ac40	5755	Ant1	7.76	30	Pass
ac40	5755	Ant2	7.22	30	Pass
ac40	5755	Sum	10.51	30	Pass
ac40	5795	Ant1	6.99	30	Pass
ac40	5795	Ant2	7	30	Pass
ac40	5795	Sum	10.01	30	Pass



ac80	5775	Ant1	7.28	30	Pass
ac80	5775	Ant2	6.92	30	Pass
ac80	5775	Sum	10.11	30	Pass
ax20	5745	Ant1	8.42	30	Pass
ax20	5745	Ant2	7.45	30	Pass
ax20	5745	Sum	10.97	30	Pass
ax20	5785	Ant1	7.56	30	Pass
ax20	5785	Ant2	7.42	30	Pass
ax20	5785	Sum	10.5	30	Pass
ax20	5825	Ant1	7.59	30	Pass
ax20	5825	Ant2	7.32	30	Pass
ax20	5825	Sum	10.47	30	Pass
ax40	5755	Ant1	8.02	30	Pass
ax40	5755	Ant2	6.79	30	Pass
ax40	5755	Sum	10.46	30	Pass
ax40	5795	Ant1	7.13	30	Pass
ax40	5795	Ant2	6.82	30	Pass
ax40	5795	Sum	9.99	30	Pass
ax80	5775	Ant1	7.17	30	Pass
ax80	5775	Ant2	6.39	30	Pass
ax80	5775	Sum	9.81	30	Pass

Note:

The duty factor has been compensated into the result.



3 -6dB Bandwidth

3.1 Test Result

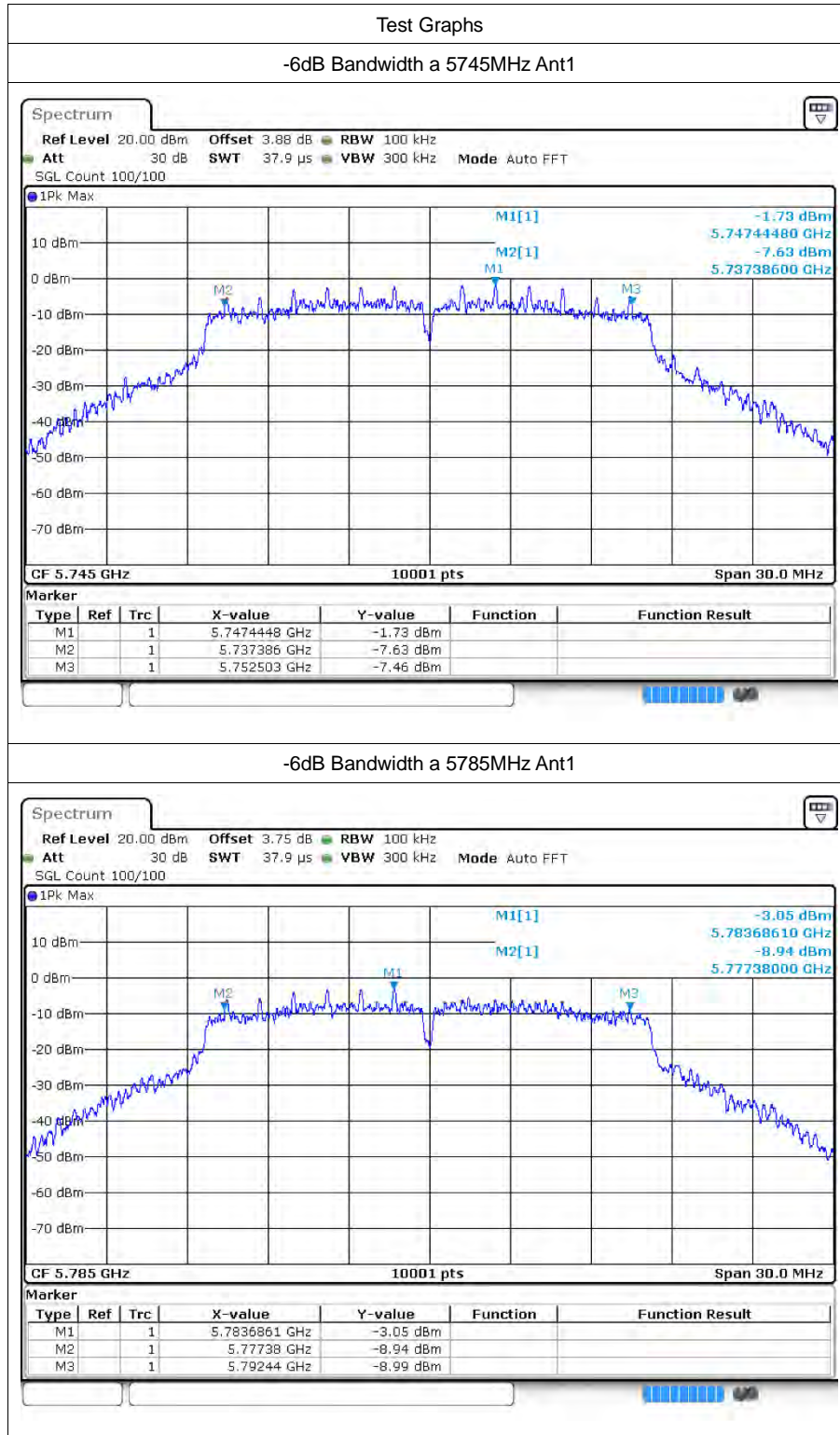
Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
a	5745	Ant1	15.117	0.5	Pass
a	5785	Ant1	15.06	0.5	Pass
a	5825	Ant1	16.287	0.5	Pass
n20	5745	Ant1	12.603	0.5	Pass
n20	5785	Ant1	15.081	0.5	Pass
n20	5825	Ant1	12.618	0.5	Pass
n40	5755	Ant1	35.07	0.5	Pass
n40	5795	Ant1	35.052	0.5	Pass
ac20	5745	Ant1	15.09	0.5	Pass
ac20	5785	Ant1	15.129	0.5	Pass
ac20	5825	Ant1	15.087	0.5	Pass
ac40	5755	Ant1	27.576	0.5	Pass
ac40	5795	Ant1	35.028	0.5	Pass
ac80	5775	Ant1	72.564	0.5	Pass
ax20	5745	Ant1	15.114	0.5	Pass
ax20	5785	Ant1	15.048	0.5	Pass
ax20	5825	Ant1	15.303	0.5	Pass
ax40	5755	Ant1	36.288	0.5	Pass
ax40	5795	Ant1	35.058	0.5	Pass
ax80	5775	Ant1	72.552	0.5	Pass
a	5745	Ant2	15.093	0.5	Pass
a	5785	Ant2	15.099	0.5	Pass
a	5825	Ant2	15.117	0.5	Pass
n20	5745	Ant2	15.114	0.5	Pass
n20	5785	Ant2	15.114	0.5	Pass
n20	5825	Ant2	15.102	0.5	Pass
n40	5755	Ant2	35.298	0.5	Pass
n40	5795	Ant2	28.8	0.5	Pass
ac20	5745	Ant2	15.693	0.5	Pass
ac20	5785	Ant2	15.108	0.5	Pass
ac20	5825	Ant2	15.036	0.5	Pass
ac40	5755	Ant2	35.076	0.5	Pass
ac40	5795	Ant2	35.052	0.5	Pass
ac80	5775	Ant2	62.58	0.5	Pass
ax20	5745	Ant2	16.416	0.5	Pass
ax20	5785	Ant2	15.069	0.5	Pass
ax20	5825	Ant2	17.841	0.5	Pass



ax40	5755	Ant2	35.016	0.5	Pass
ax40	5795	Ant2	31.338	0.5	Pass
ax80	5775	Ant2	75.024	0.5	Pass

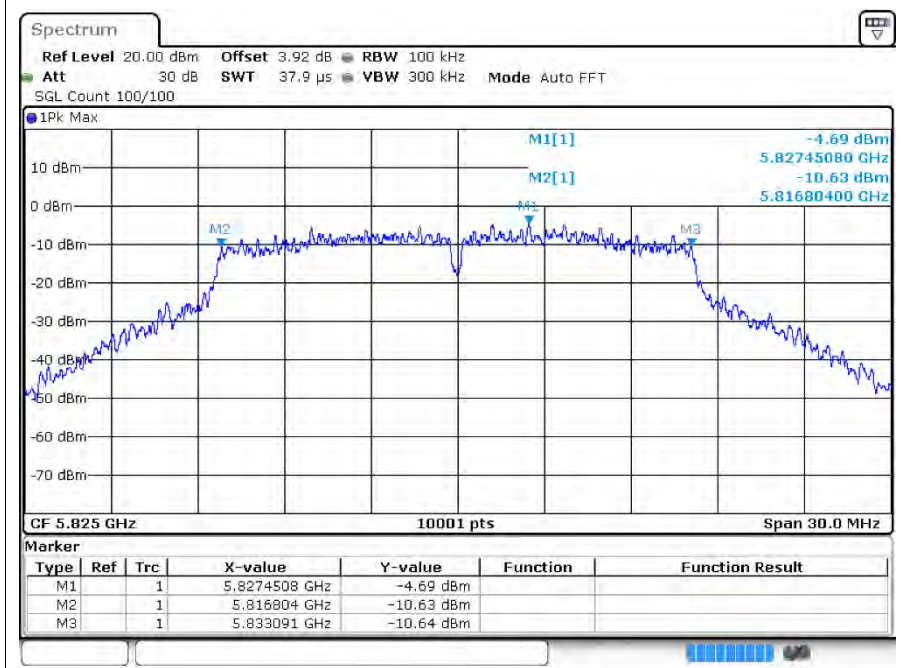


3.2 Test Graphs

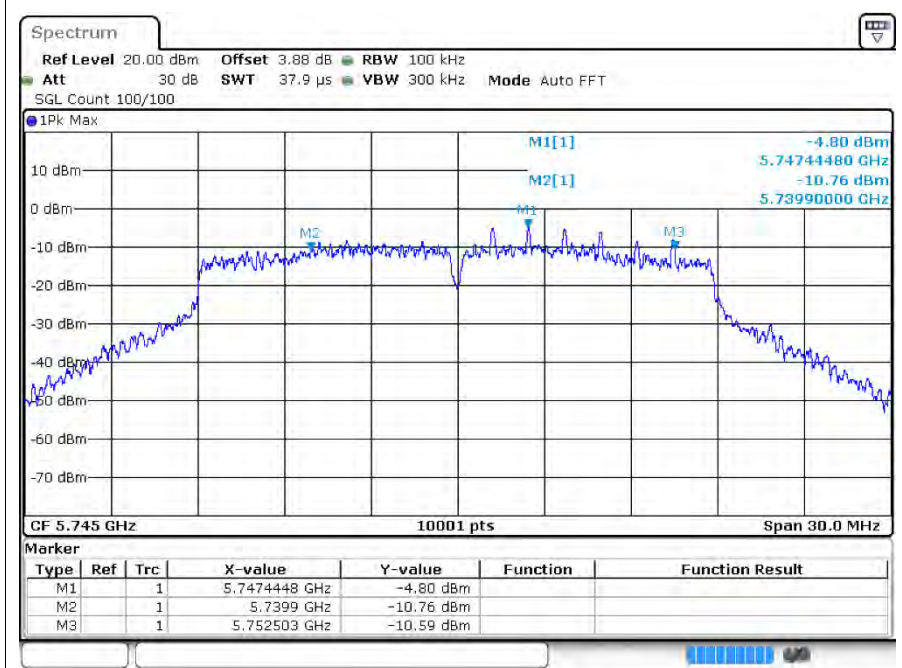


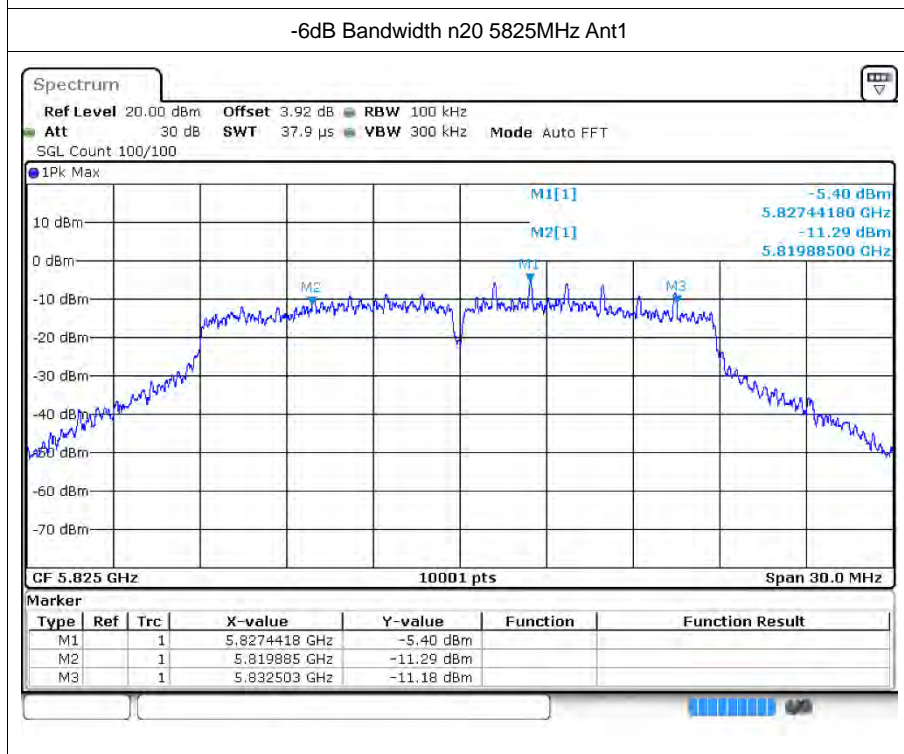
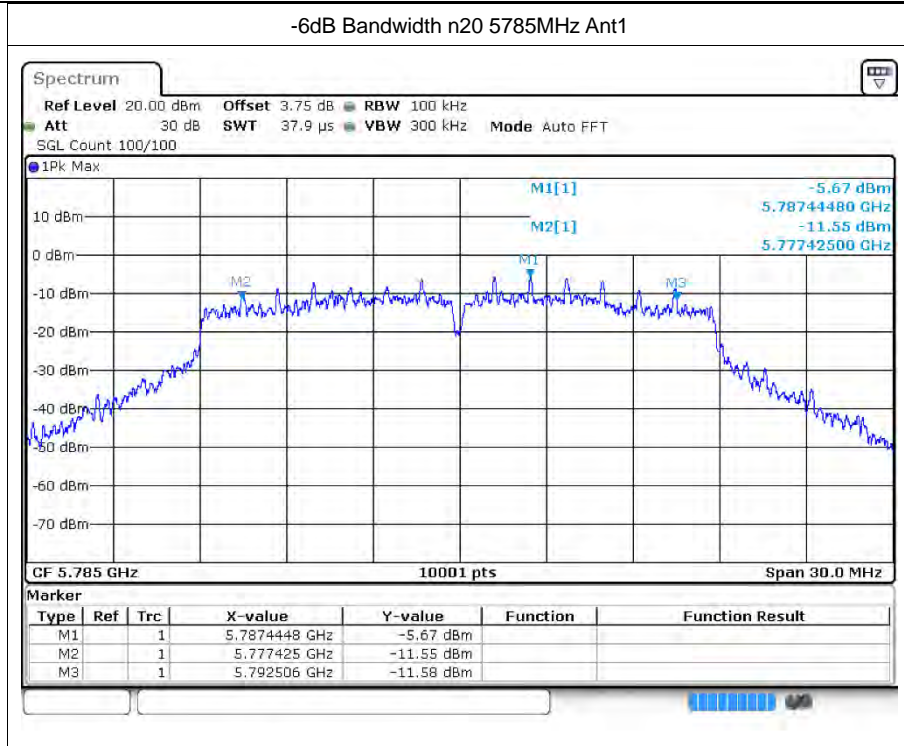


-6dB Bandwidth a 5825MHz Ant1



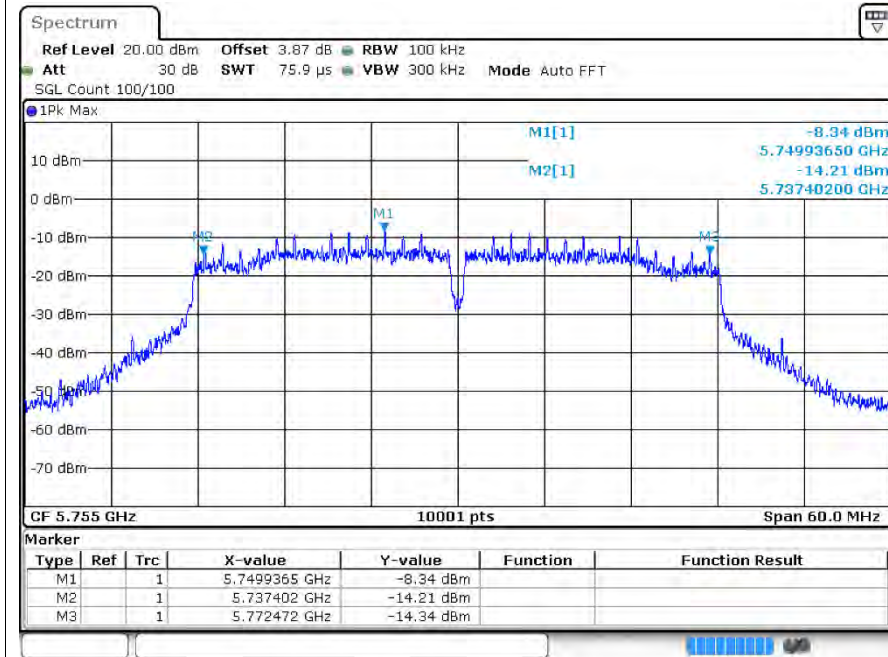
-6dB Bandwidth n20 5745MHz Ant1



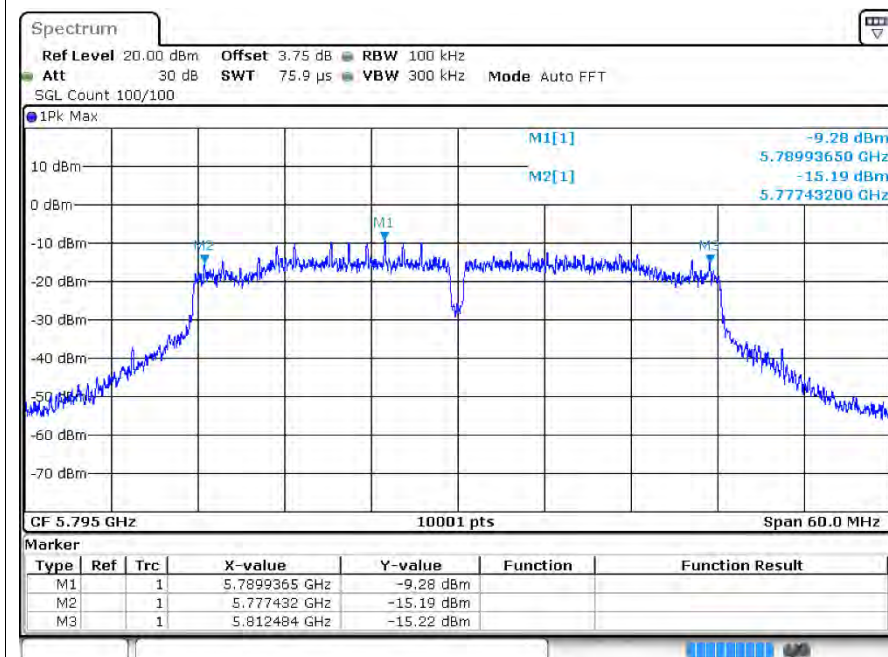




-6dB Bandwidth n40 5755MHz Ant1

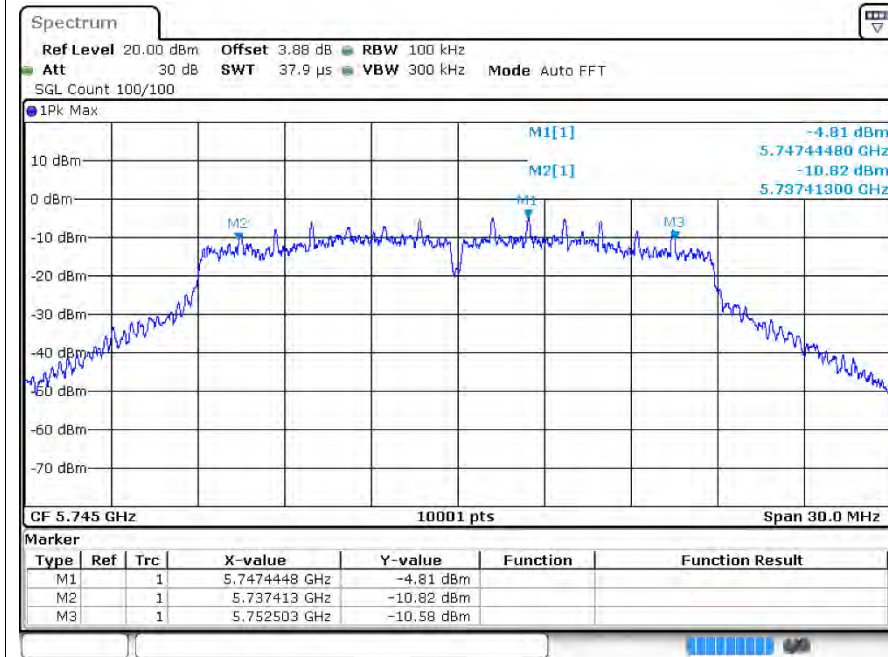


-6dB Bandwidth n40 5795MHz Ant1

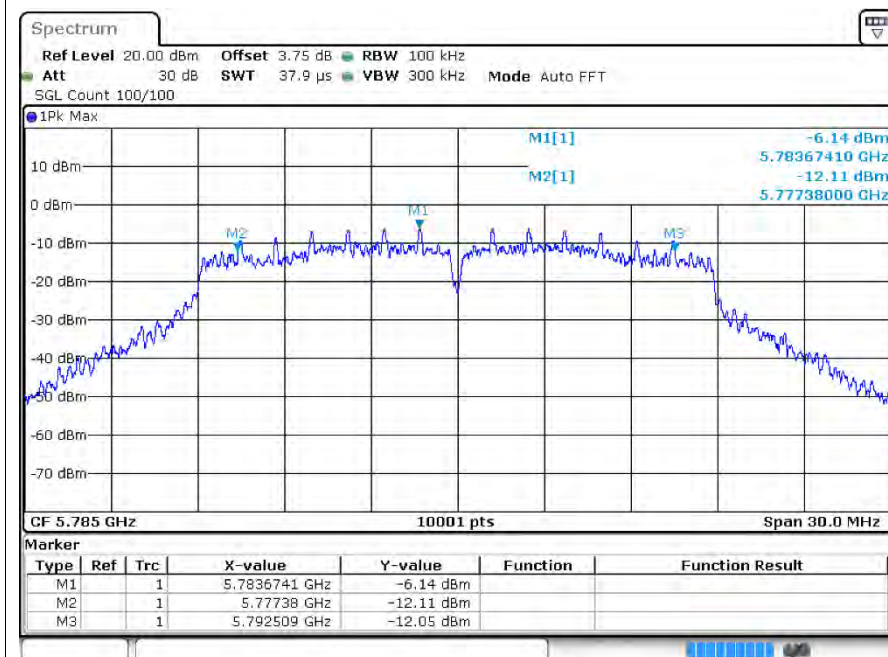




-6dB Bandwidth ac20 5745MHz Ant1

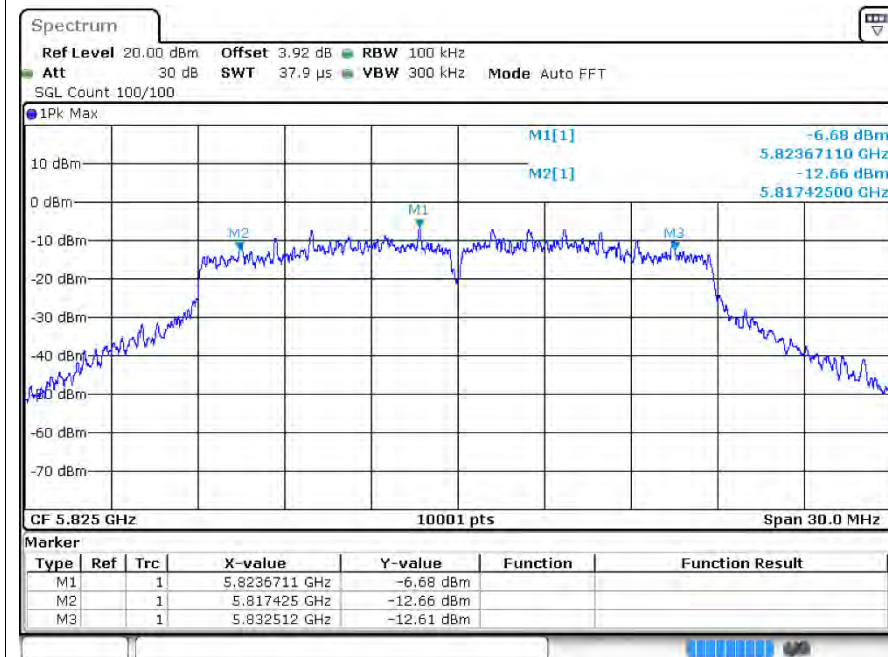


-6dB Bandwidth ac20 5785MHz Ant1

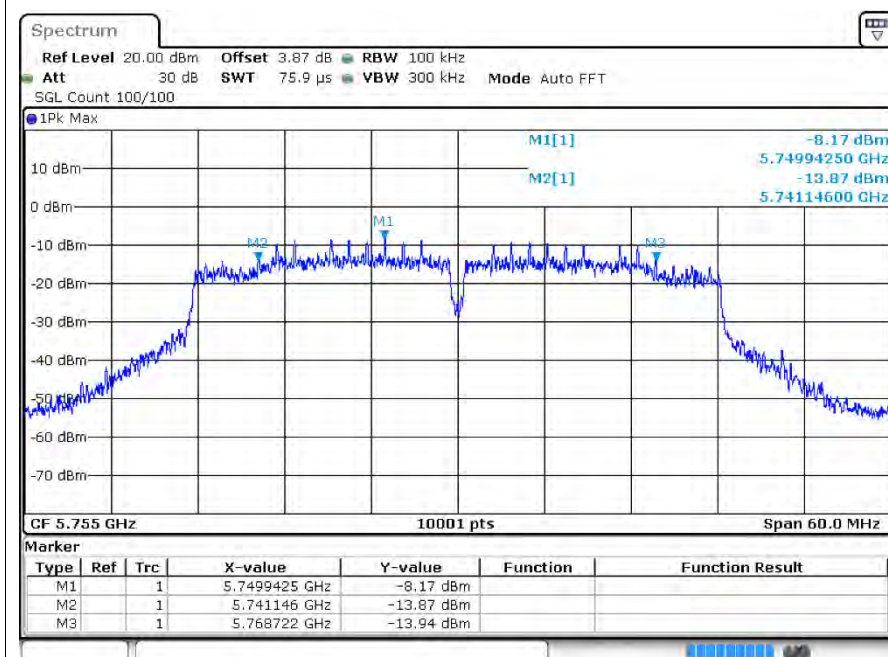




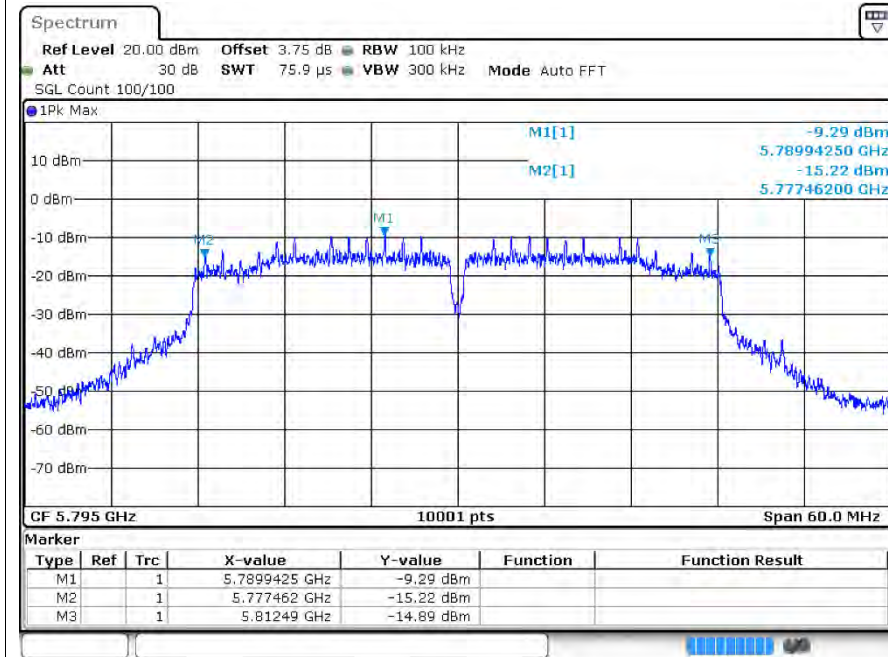
-6dB Bandwidth ac20 5825MHz Ant1



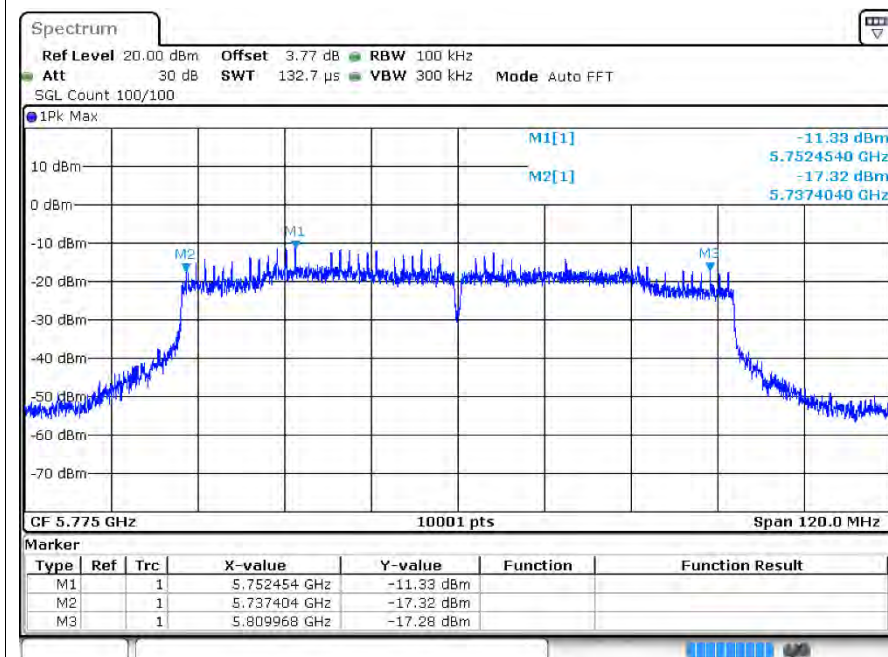
-6dB Bandwidth ac40 5755MHz Ant1

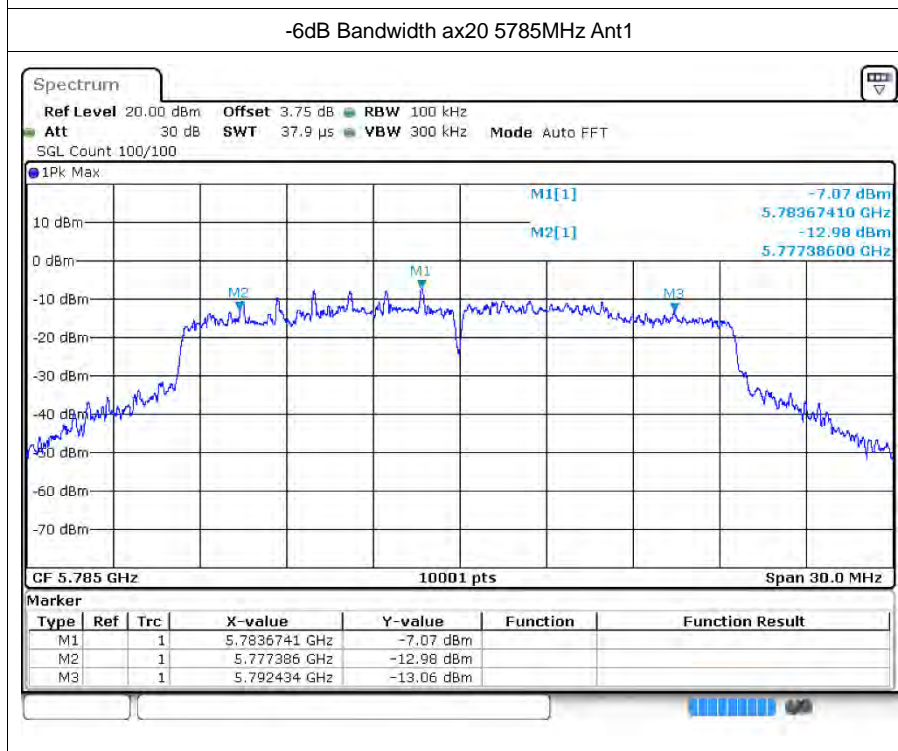
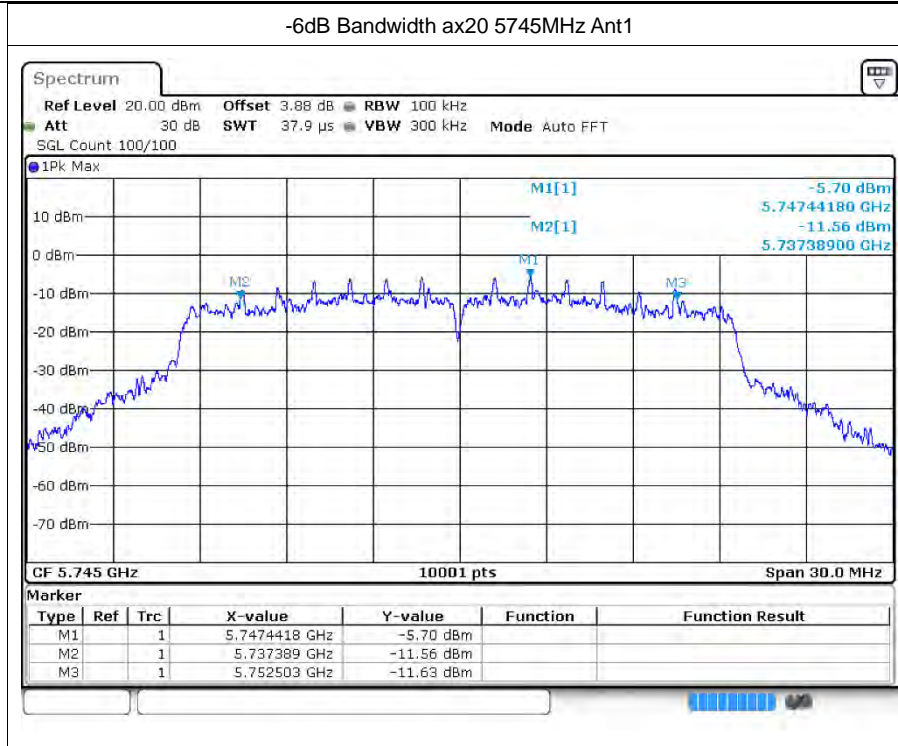


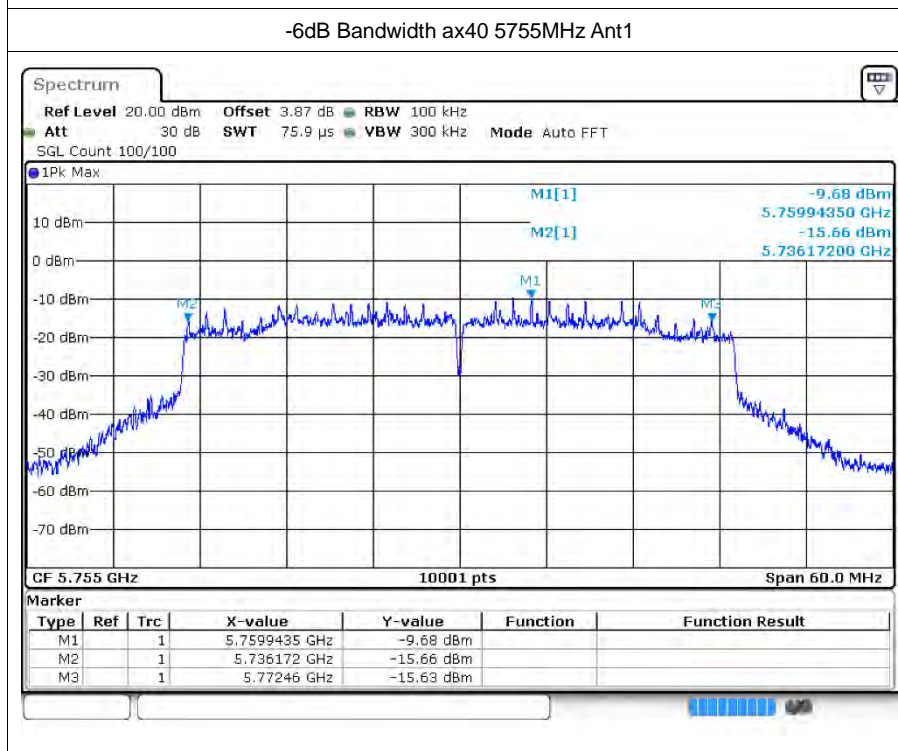
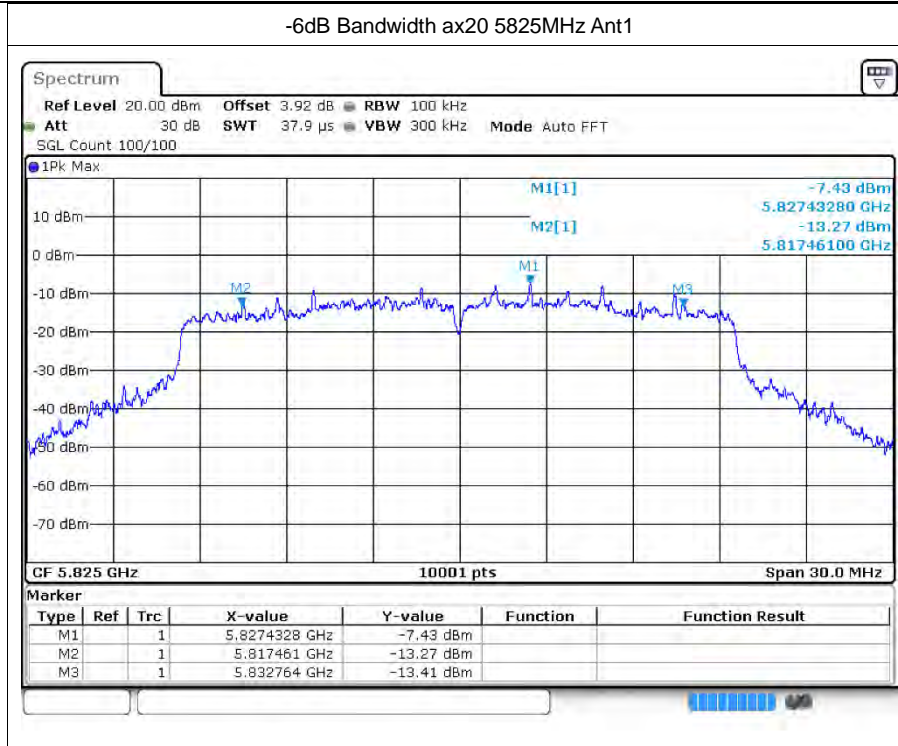
-6dB Bandwidth ac40 5795MHz Ant1

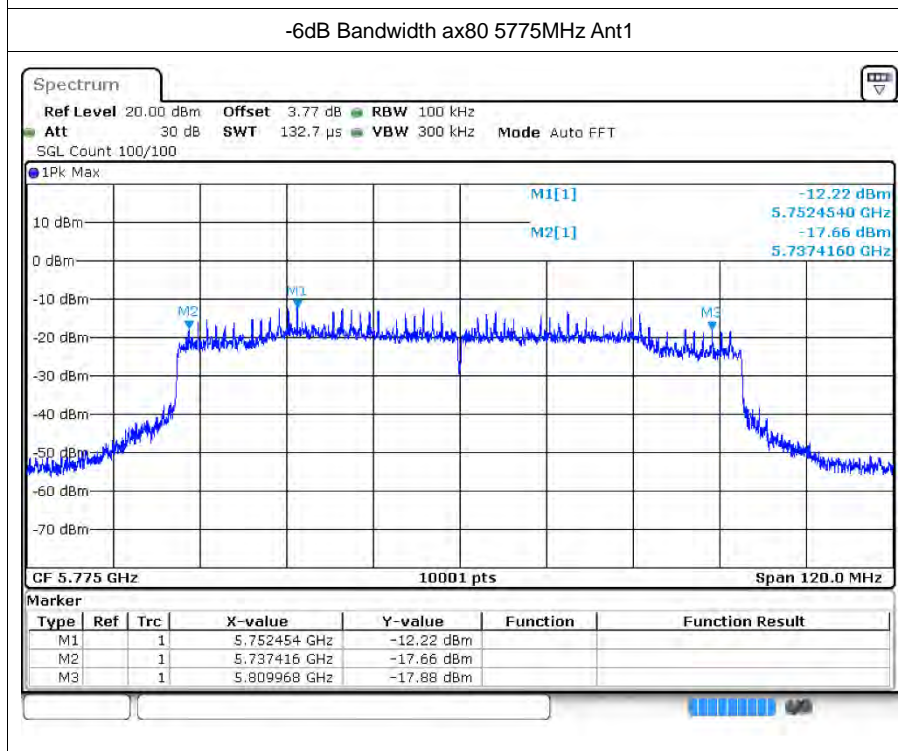
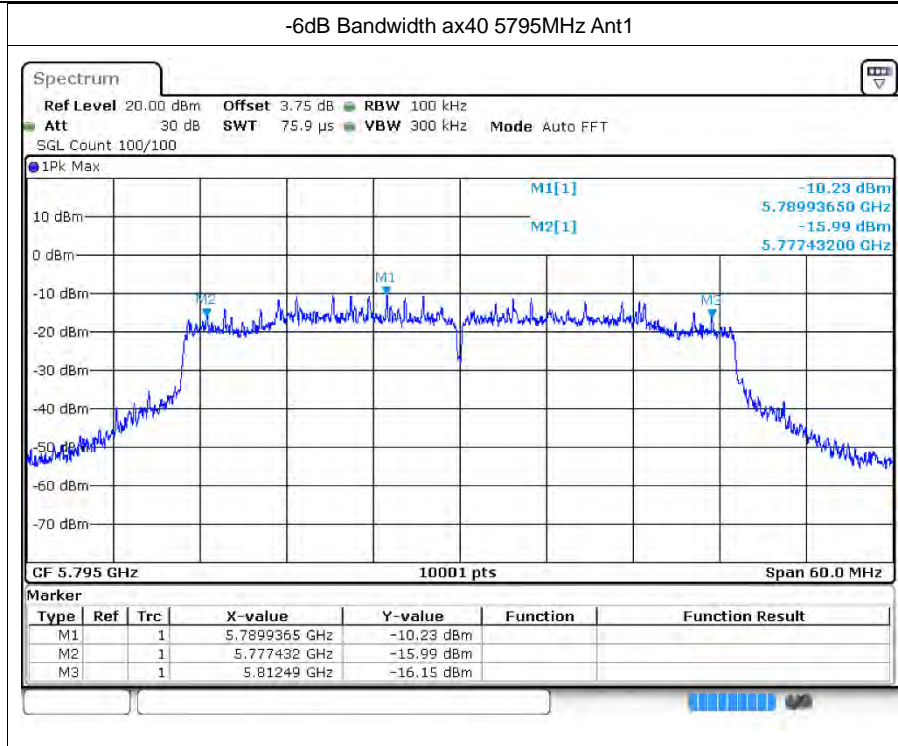


-6dB Bandwidth ac80 5775MHz Ant1



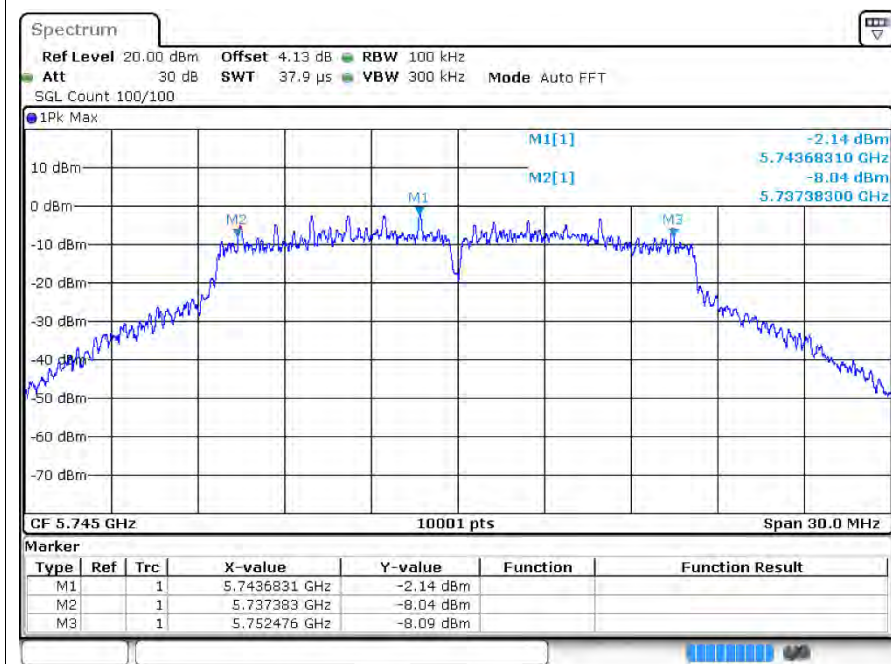




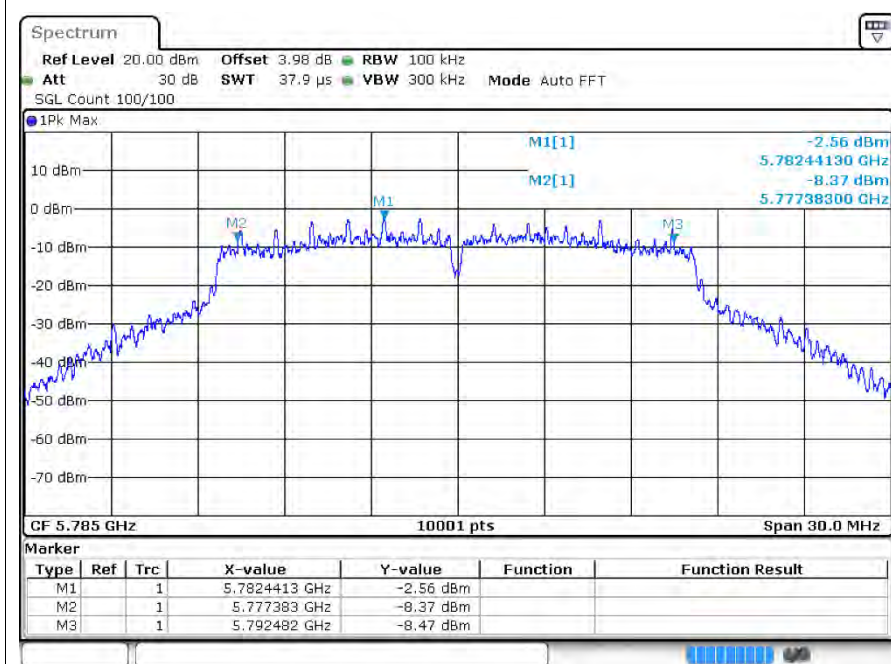




-6dB Bandwidth a 5745MHz Ant2

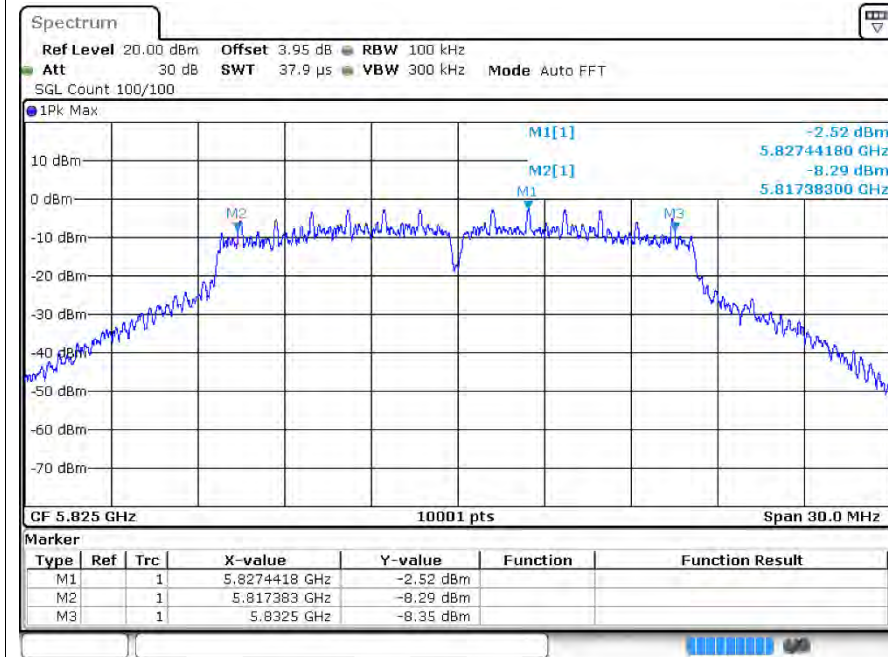


-6dB Bandwidth a 5785MHz Ant2

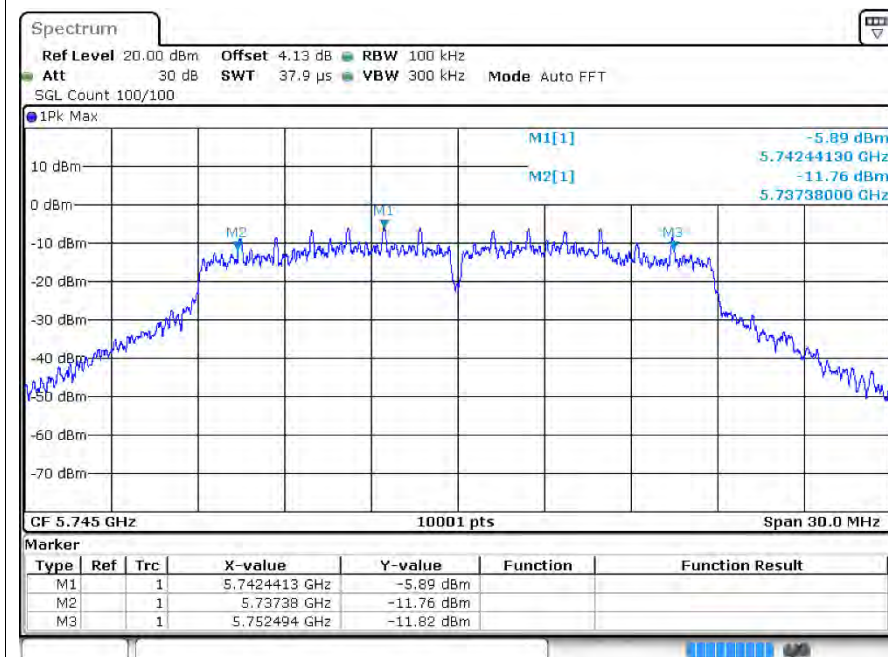




-6dB Bandwidth a 5825MHz Ant2

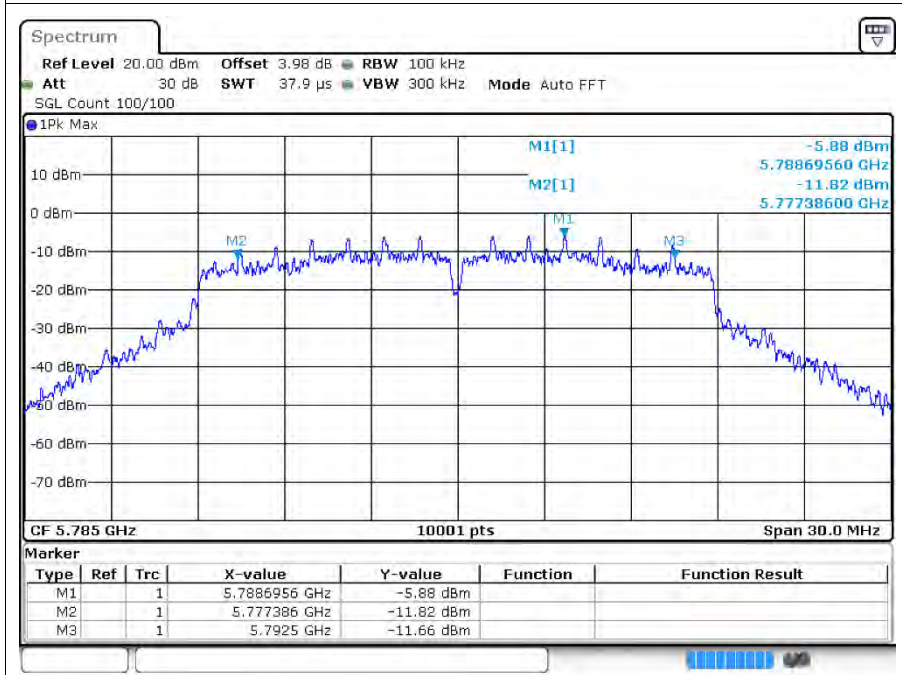


-6dB Bandwidth n20 5745MHz Ant2

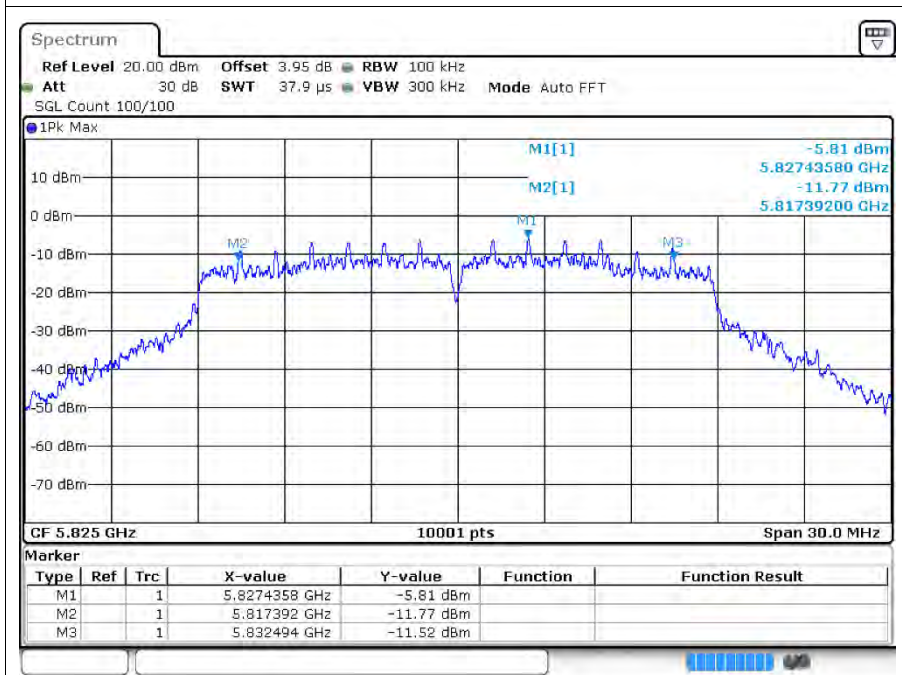




-6dB Bandwidth n20 5785MHz Ant2

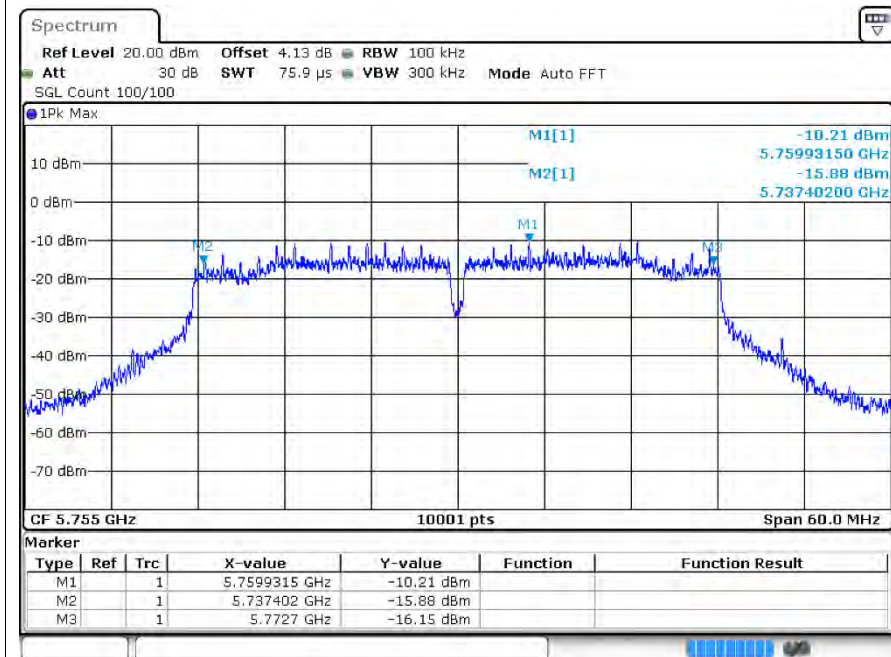


-6dB Bandwidth n20 5825MHz Ant2

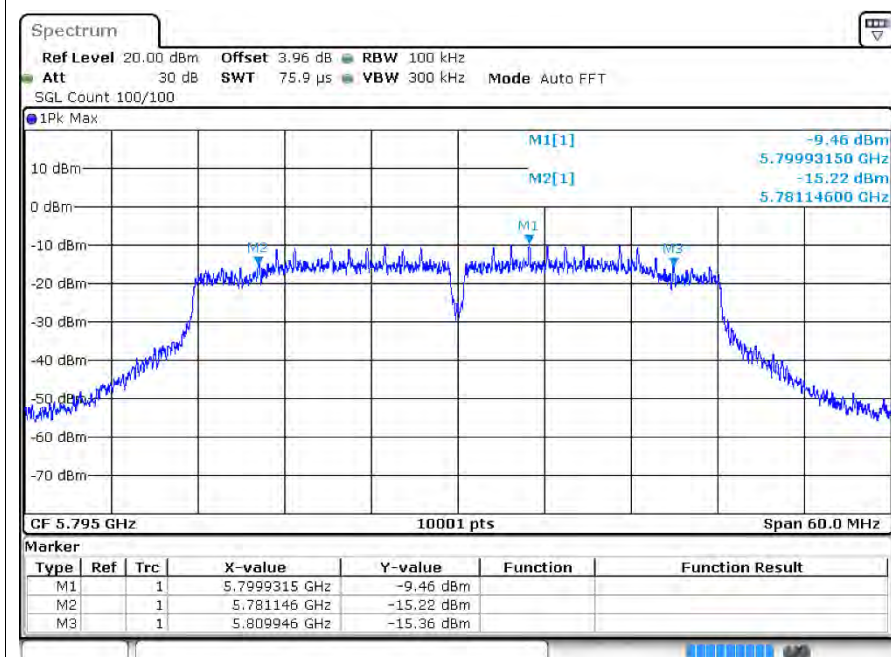


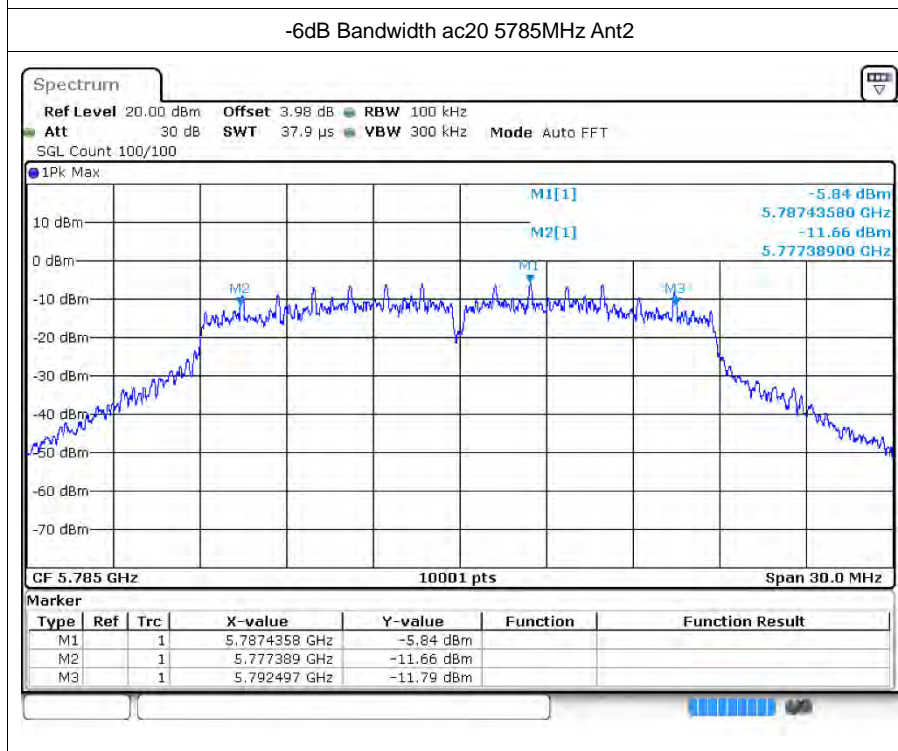
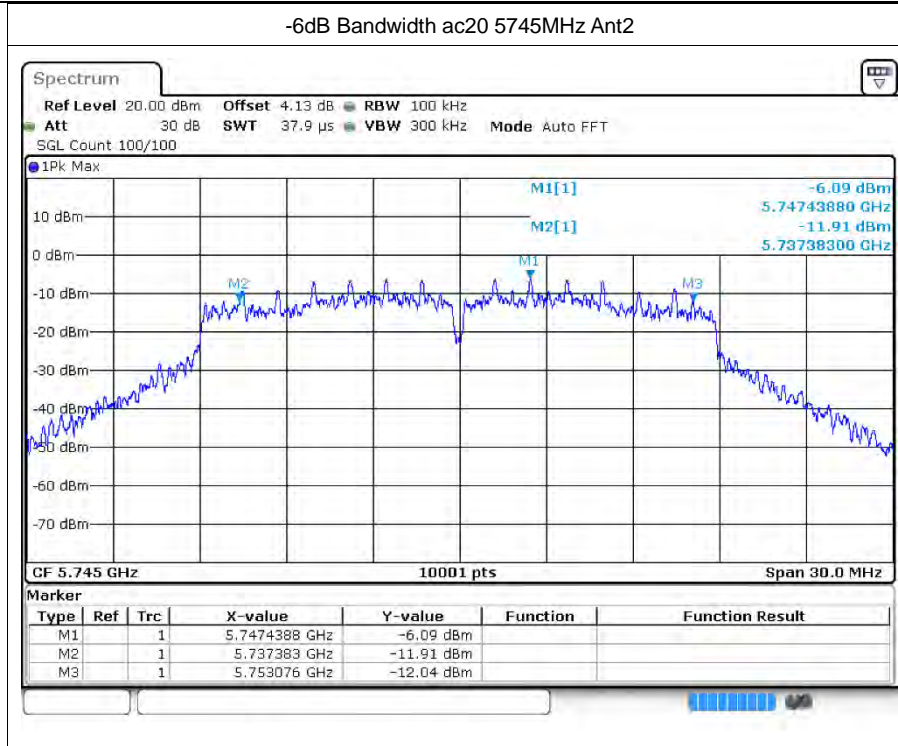


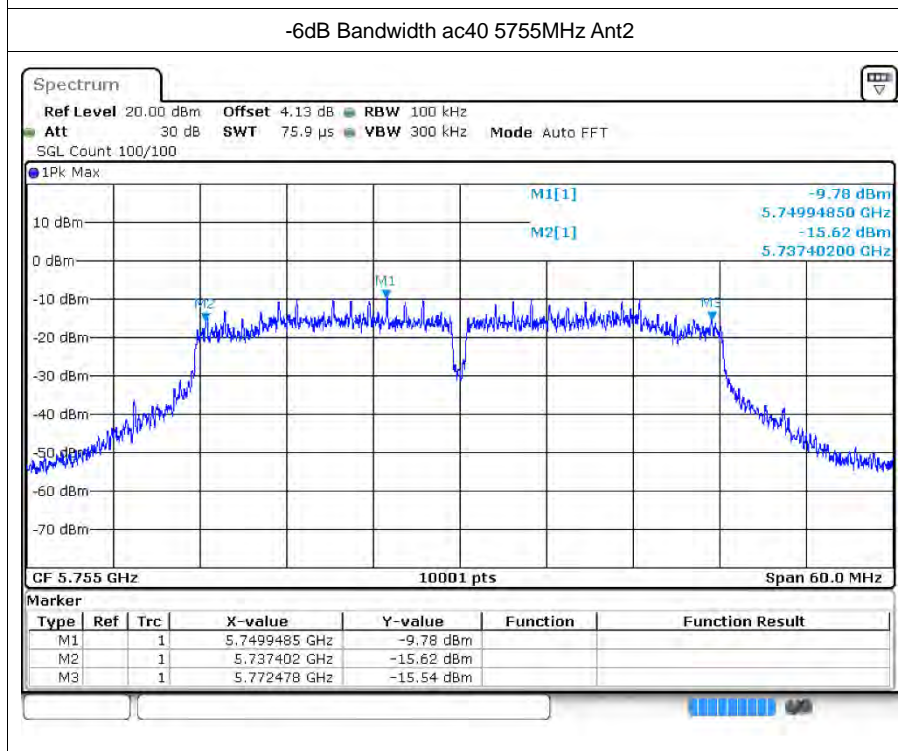
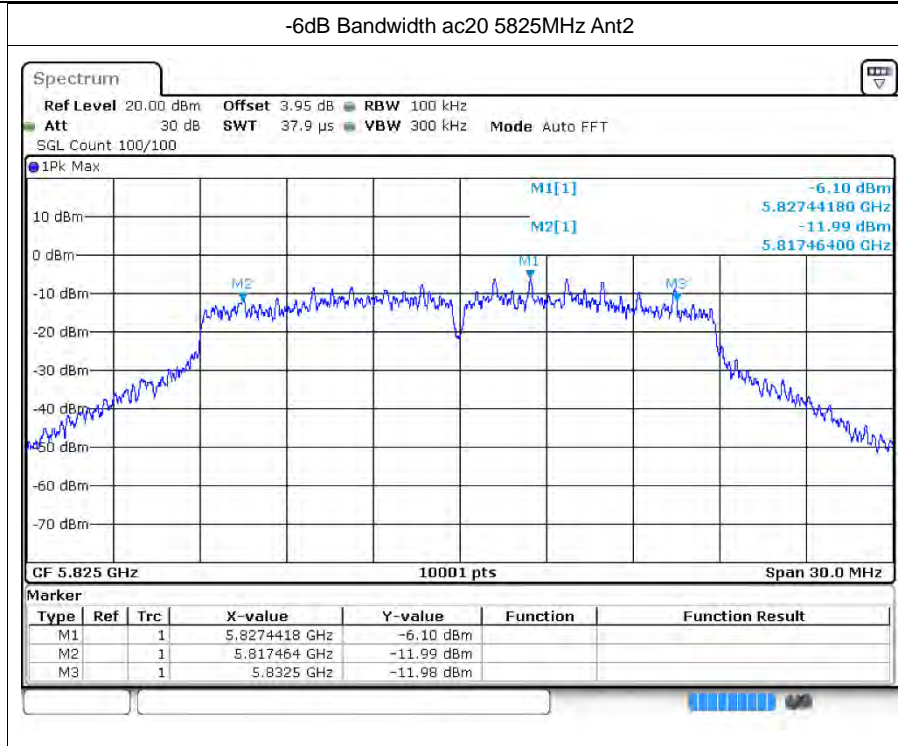
-6dB Bandwidth n40 5755MHz Ant2

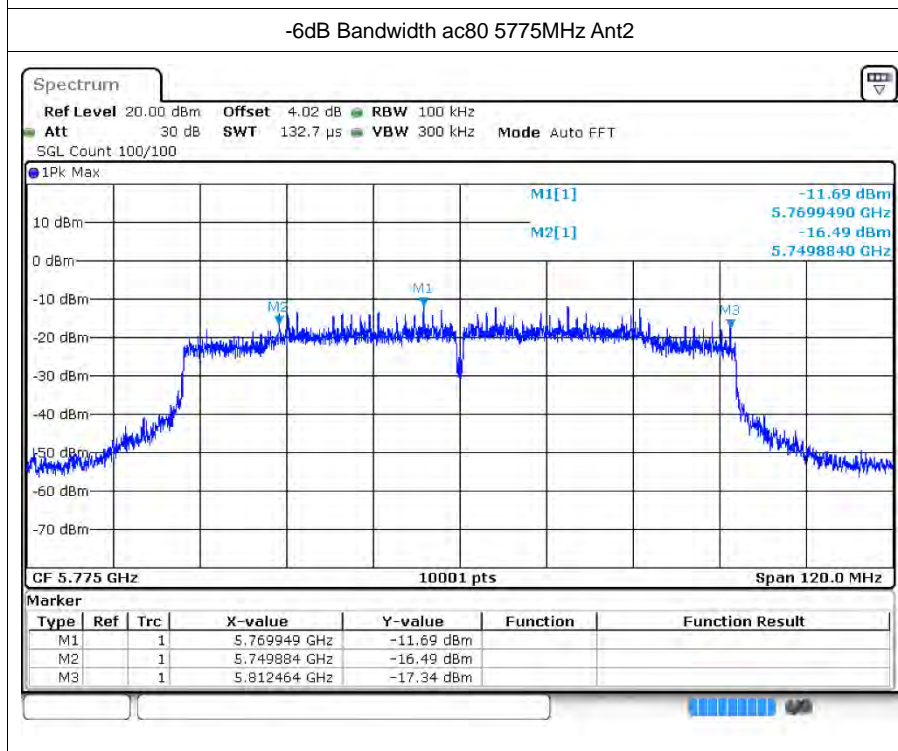
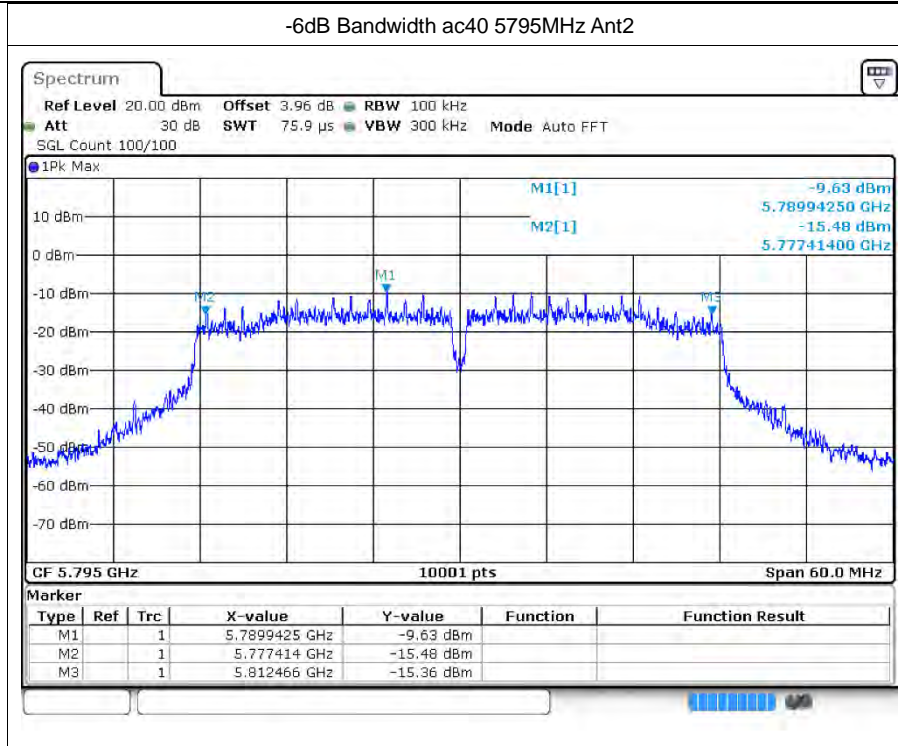


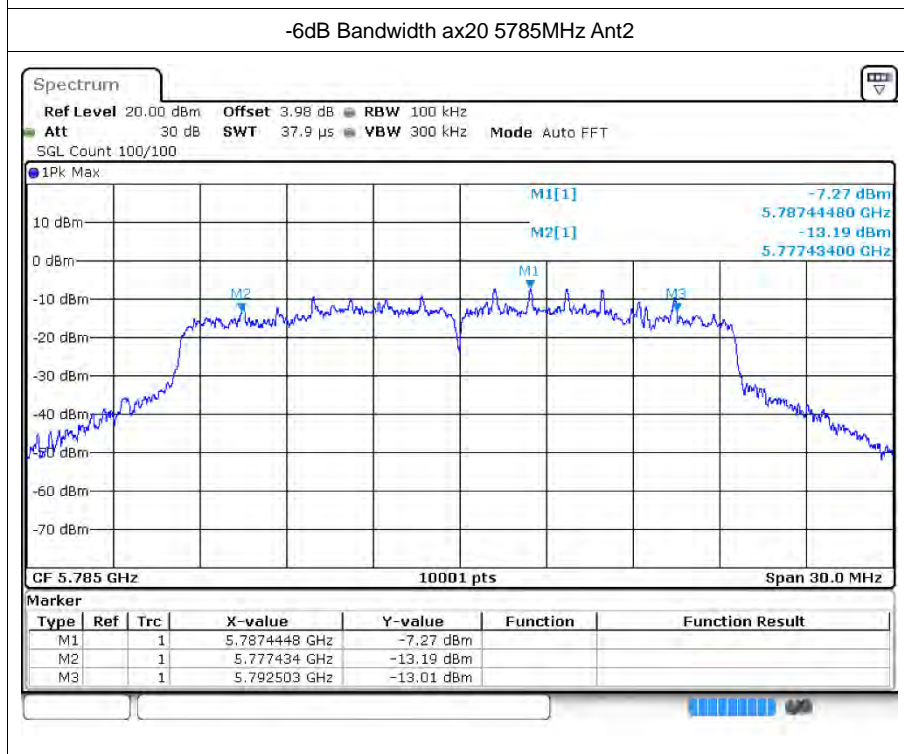
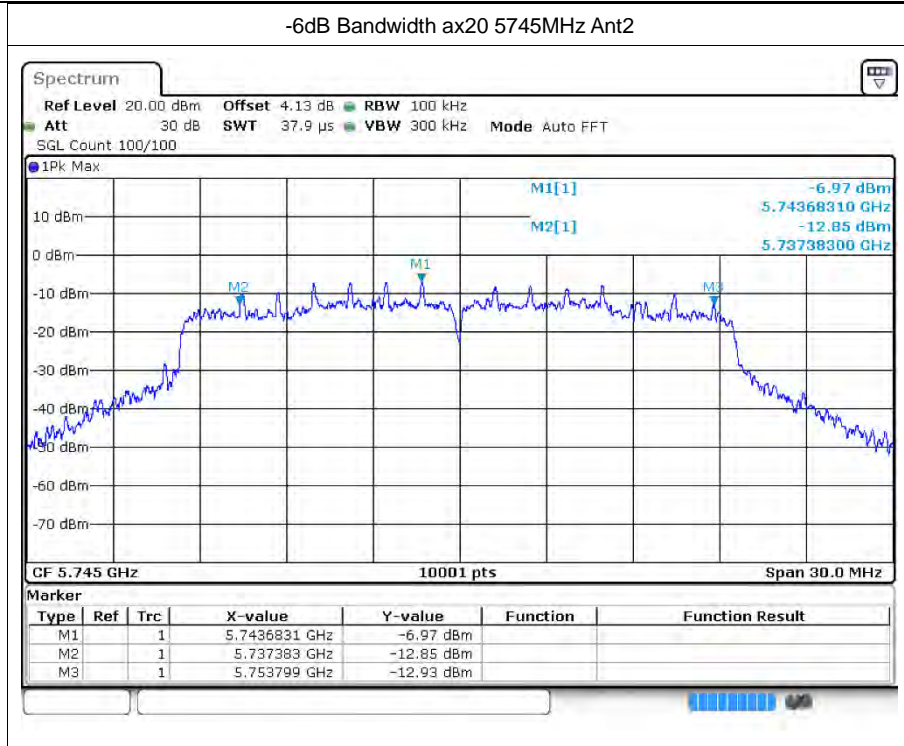
-6dB Bandwidth n40 5795MHz Ant2

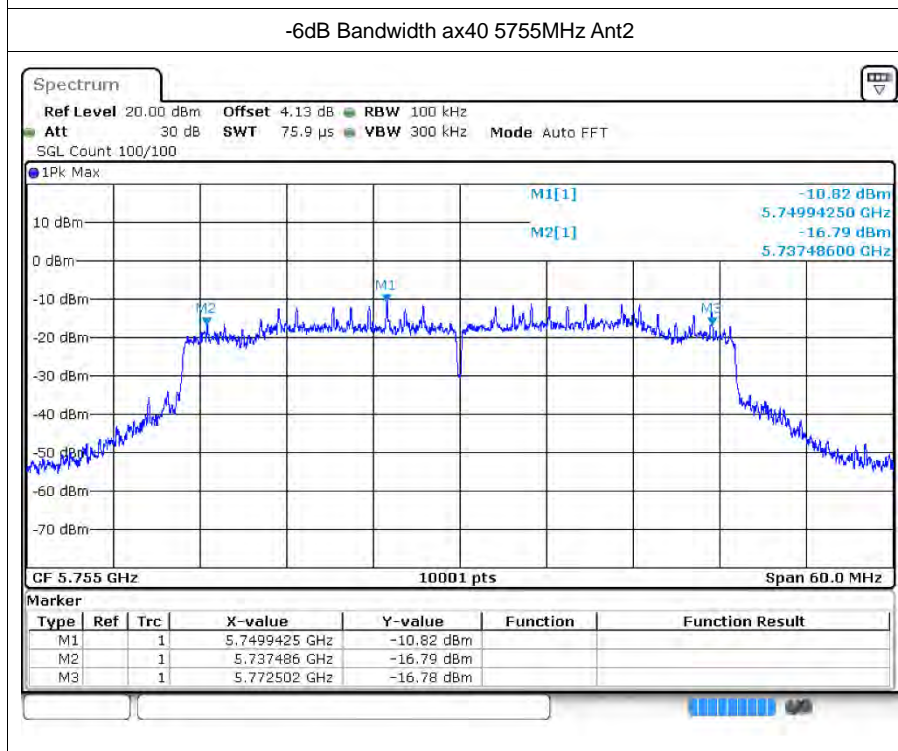
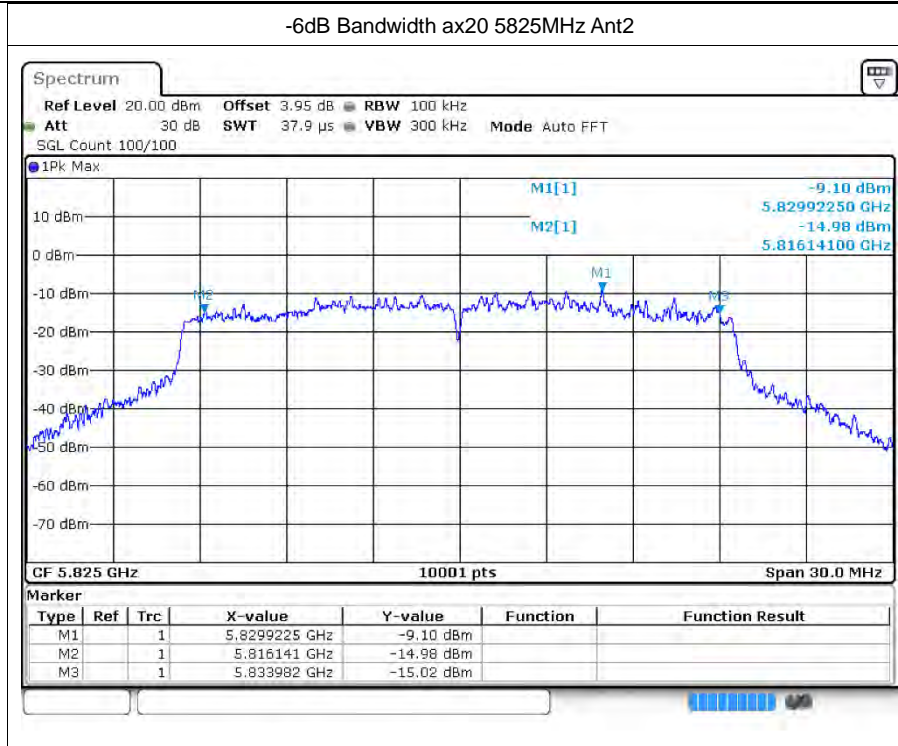




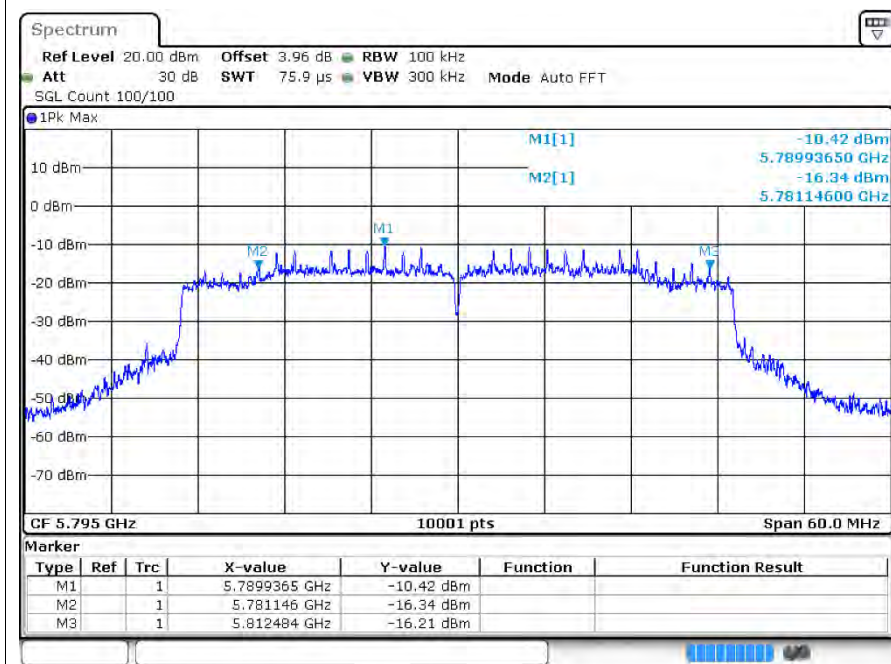




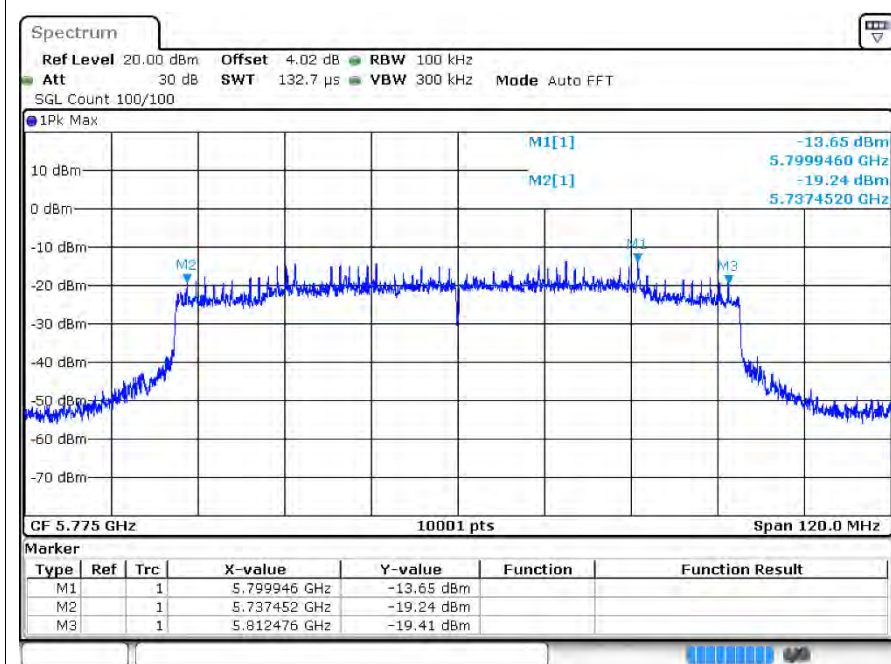




-6dB Bandwidth ax40 5795MHz Ant2



-6dB Bandwidth ax80 5775MHz Ant2





4 Occupied Channel Bandwidth

4.1 Test Result

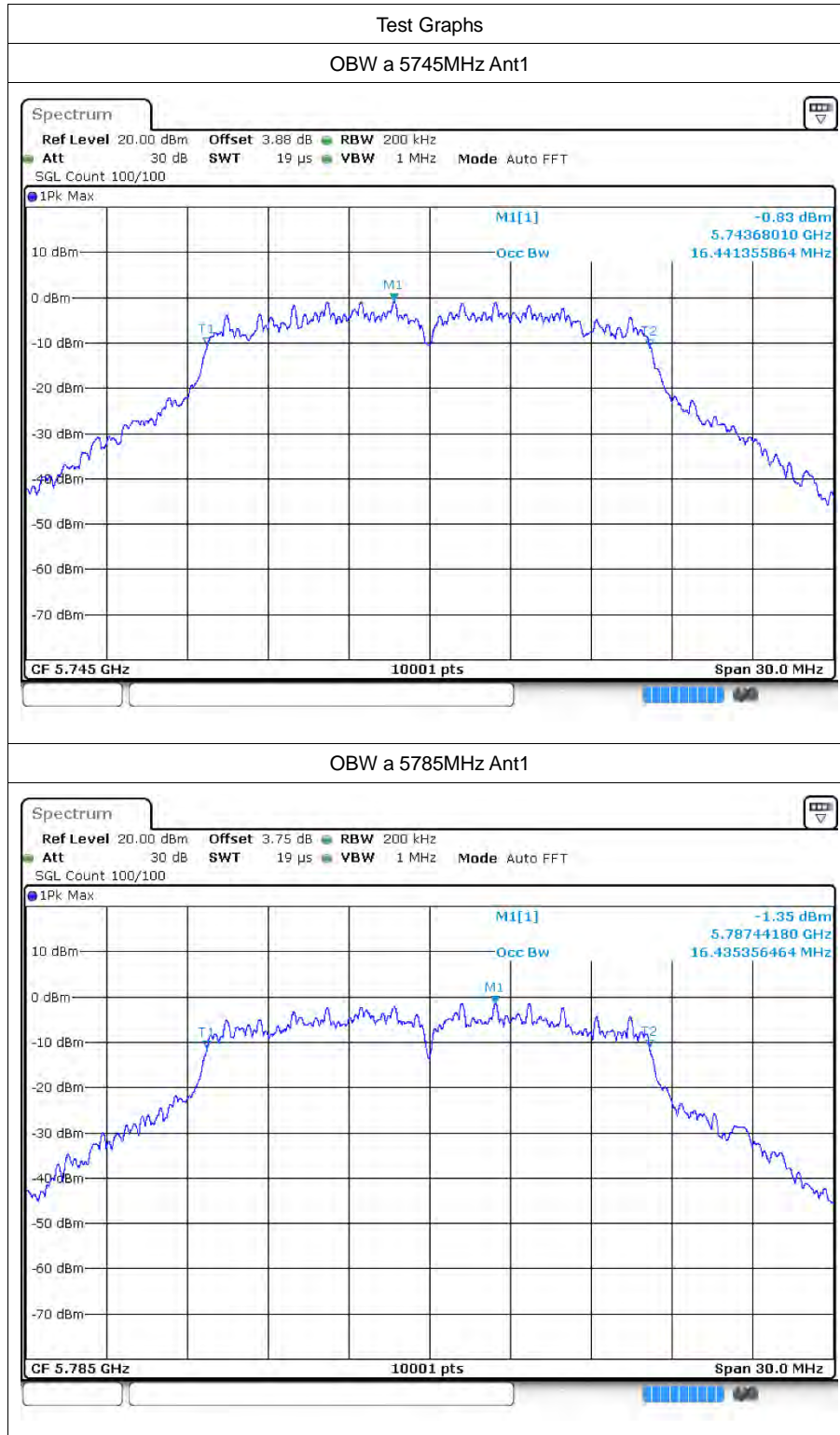
Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
a	5745	Ant1	16.441
a	5785	Ant1	16.435
a	5825	Ant1	16.36
n20	5745	Ant1	17.605
n20	5785	Ant1	17.623
n20	5825	Ant1	17.551
n40	5755	Ant1	36.008
n40	5795	Ant1	36.044
ac20	5745	Ant1	17.593
ac20	5785	Ant1	17.578
ac20	5825	Ant1	17.557
ac40	5755	Ant1	35.912
ac40	5795	Ant1	35.972
ac80	5775	Ant1	75.352
ax20	5745	Ant1	18.943
ax20	5785	Ant1	18.808
ax20	5825	Ant1	18.796
ax40	5755	Ant1	37.544
ax40	5795	Ant1	37.508
ax80	5775	Ant1	76.84
a	5745	Ant2	16.51
a	5785	Ant2	16.405
a	5825	Ant2	16.504
n20	5745	Ant2	17.683
n20	5785	Ant2	17.683
n20	5825	Ant2	17.701
n40	5755	Ant2	36.248
n40	5795	Ant2	35.996
ac20	5745	Ant2	17.608
ac20	5785	Ant2	17.596
ac20	5825	Ant2	17.68
ac40	5755	Ant2	36.248
ac40	5795	Ant2	35.96
ac80	5775	Ant2	75.16
ax20	5745	Ant2	18.817
ax20	5785	Ant2	18.793

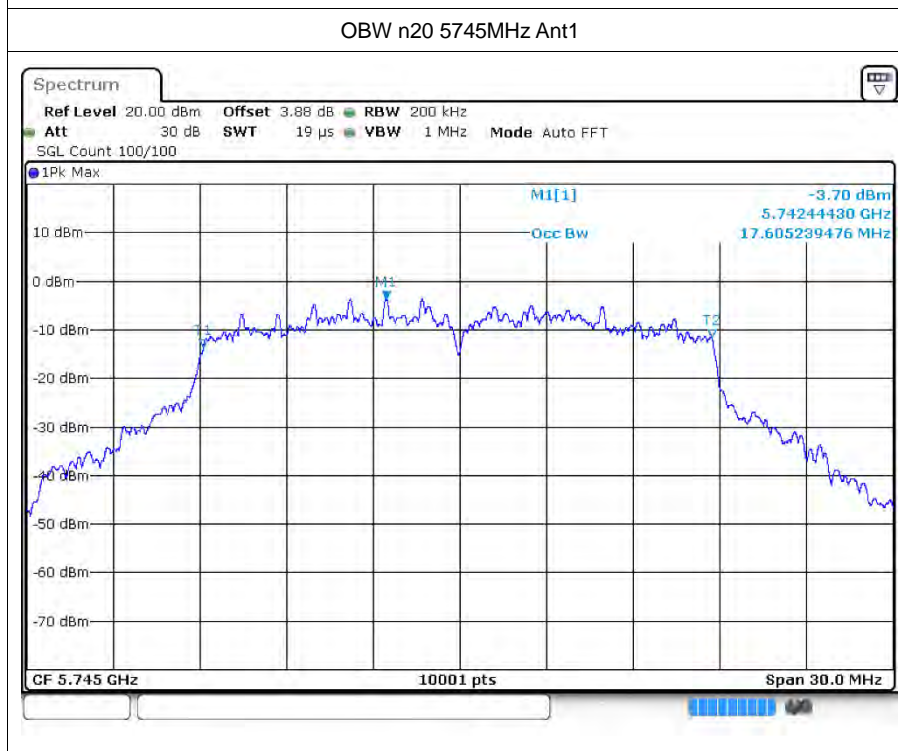
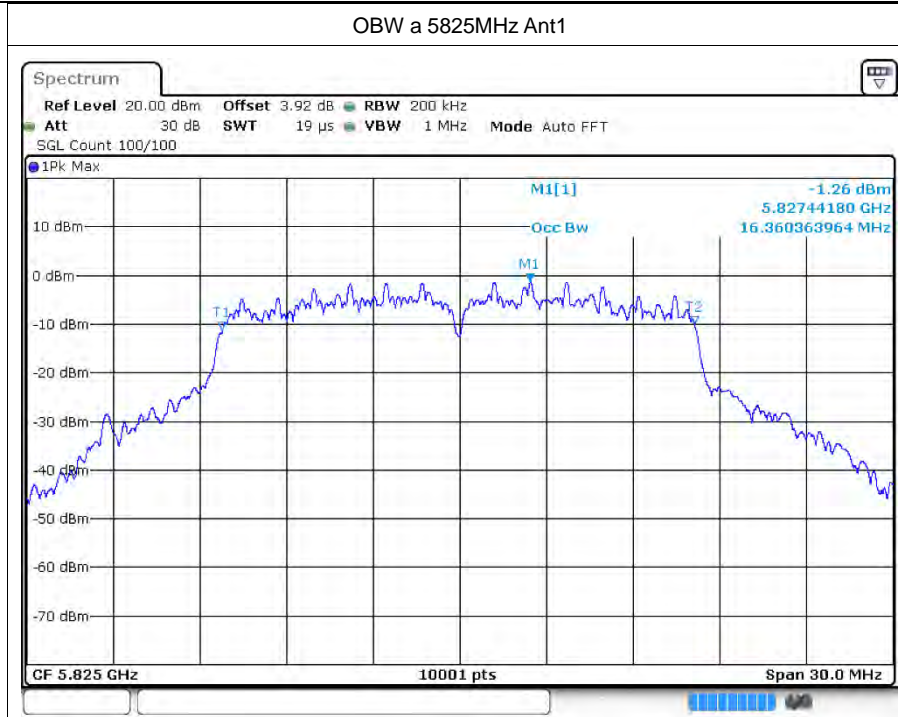


ax20	5825	Ant2	18.961
ax40	5755	Ant2	37.874
ax40	5795	Ant2	37.388
ax80	5775	Ant2	76.828



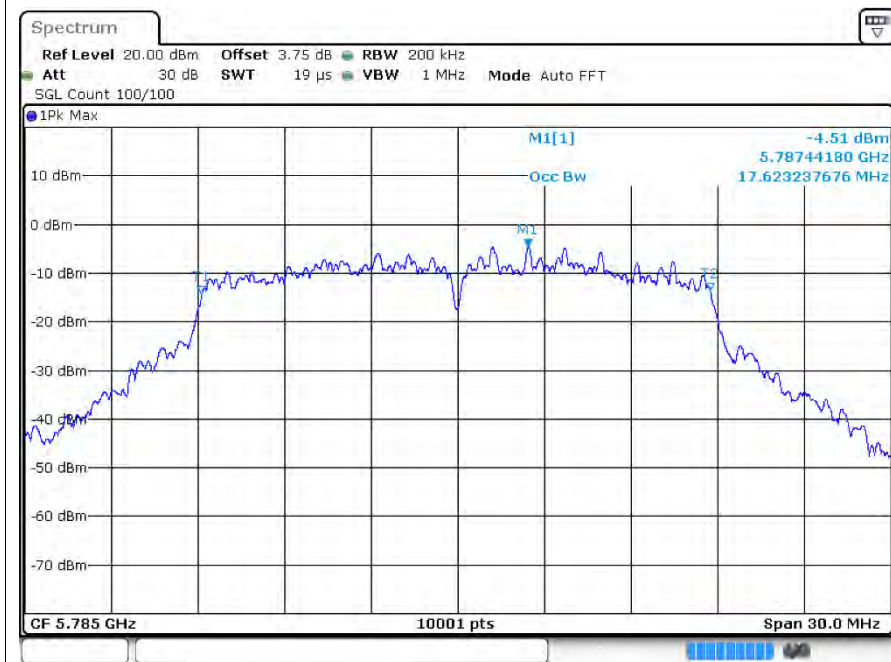
4.2 Test Graphs



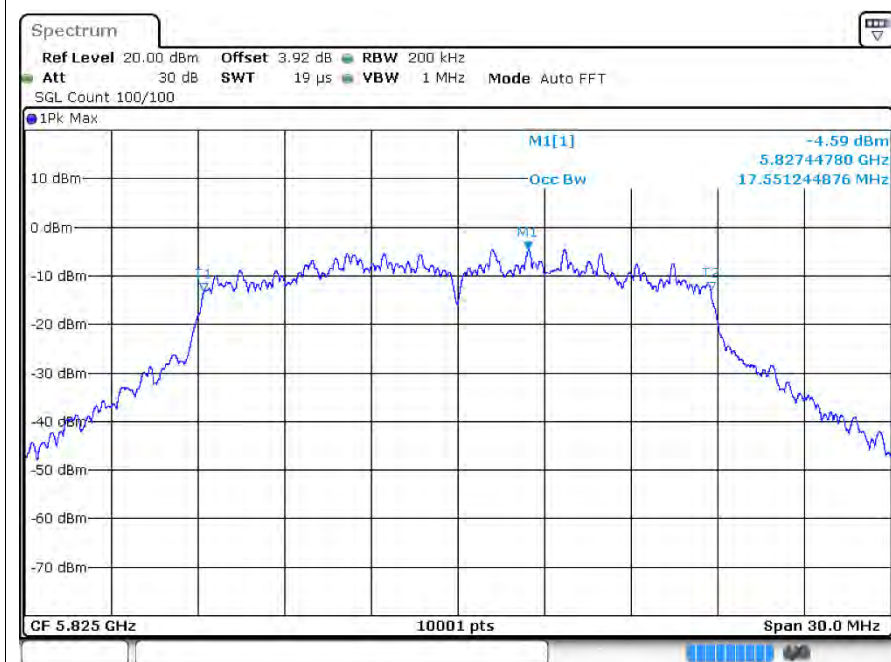


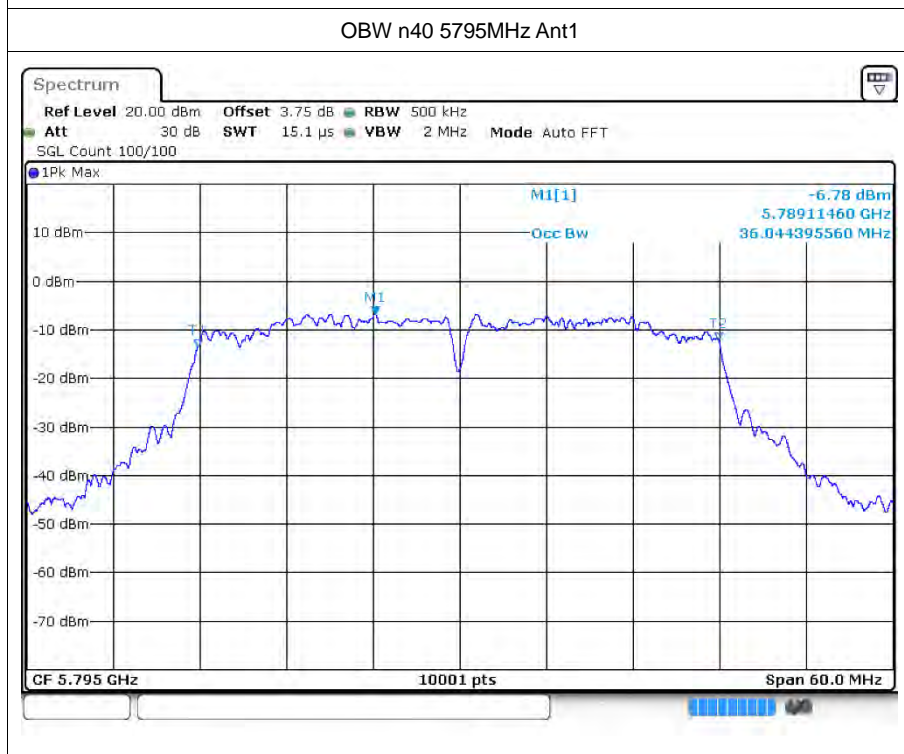
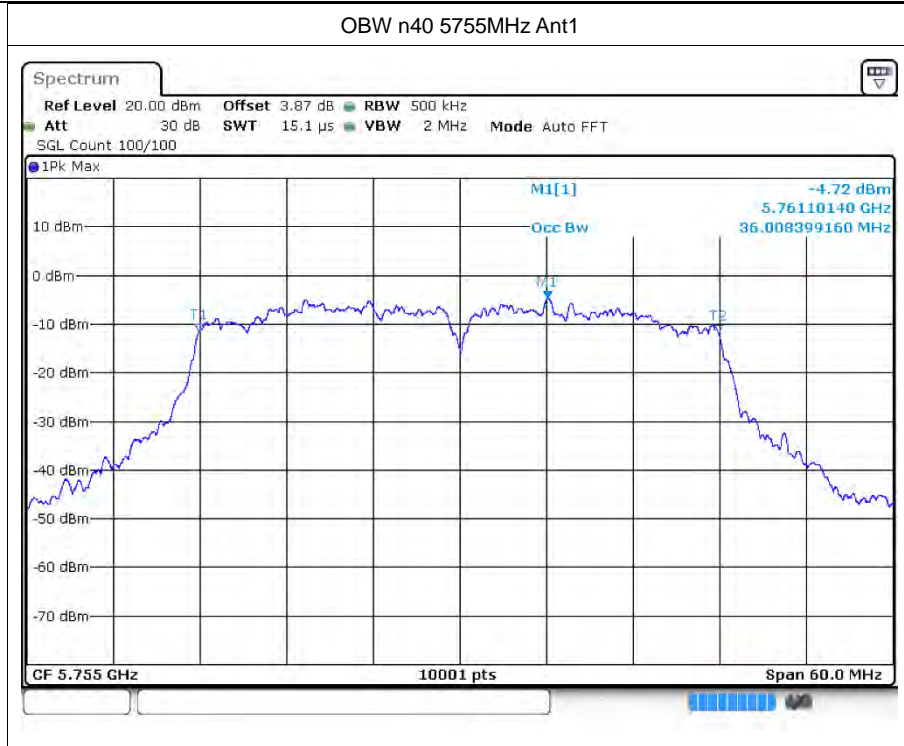


OBW n20 5785MHz Ant1



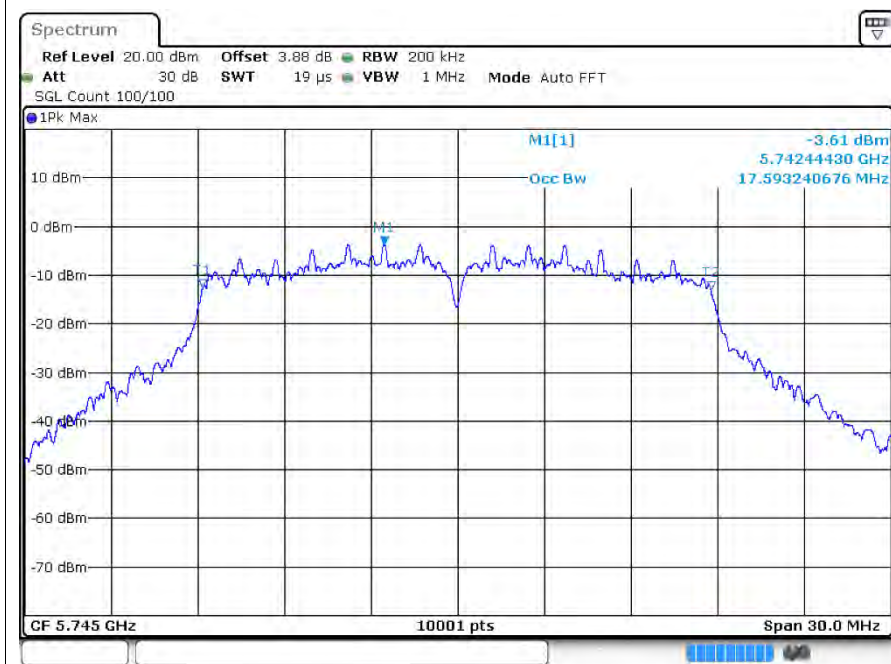
OBW n20 5825MHz Ant1



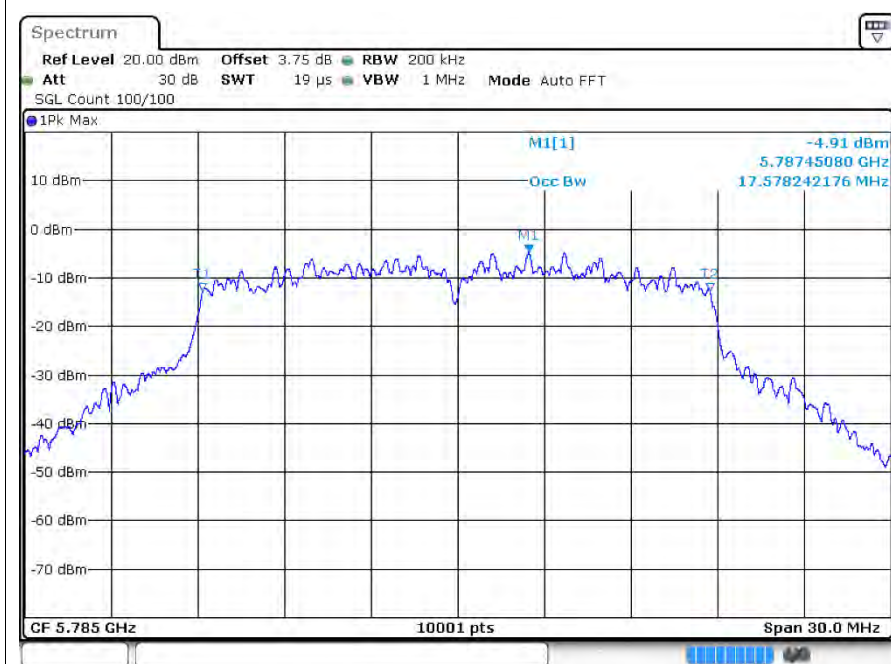




OBW ac20 5745MHz Ant1

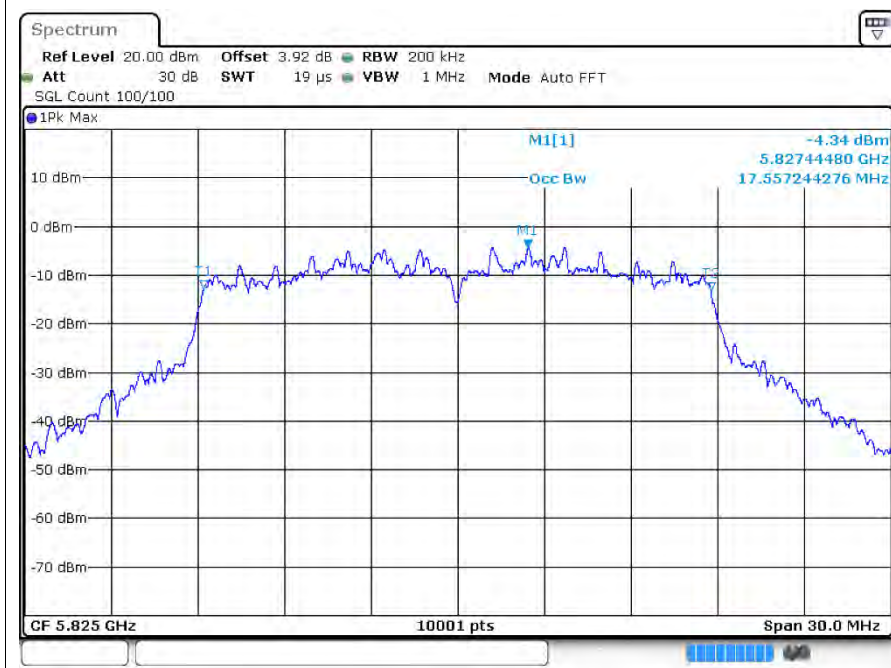


OBW ac20 5785MHz Ant1

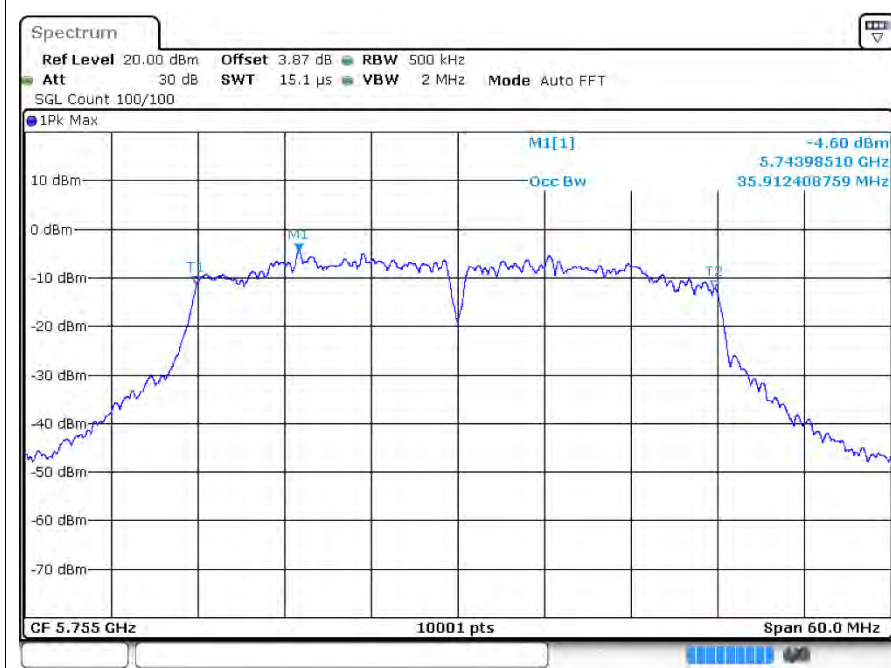


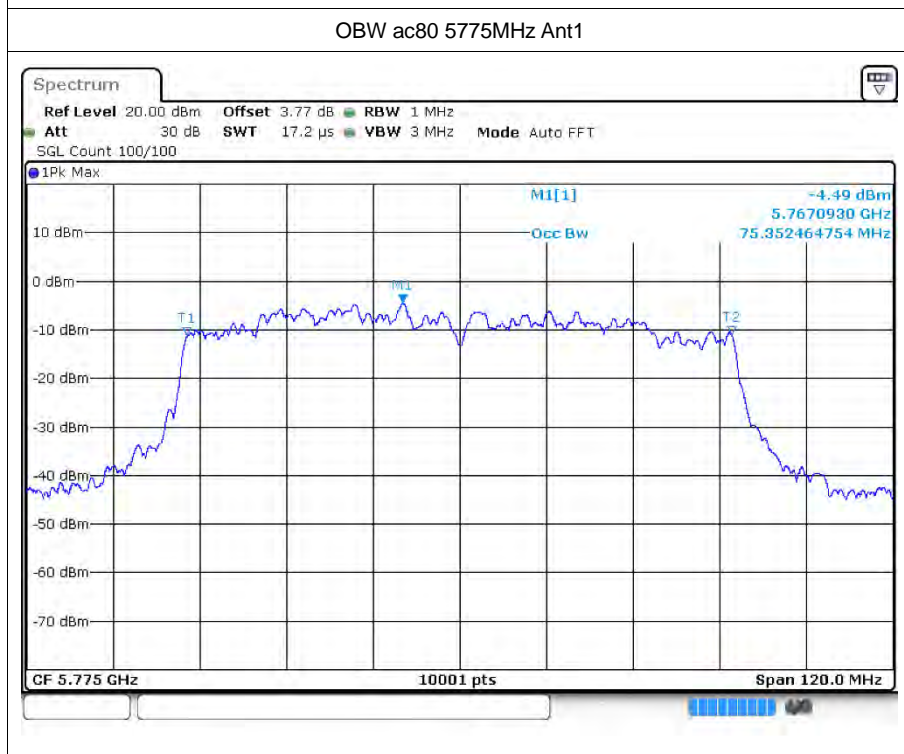
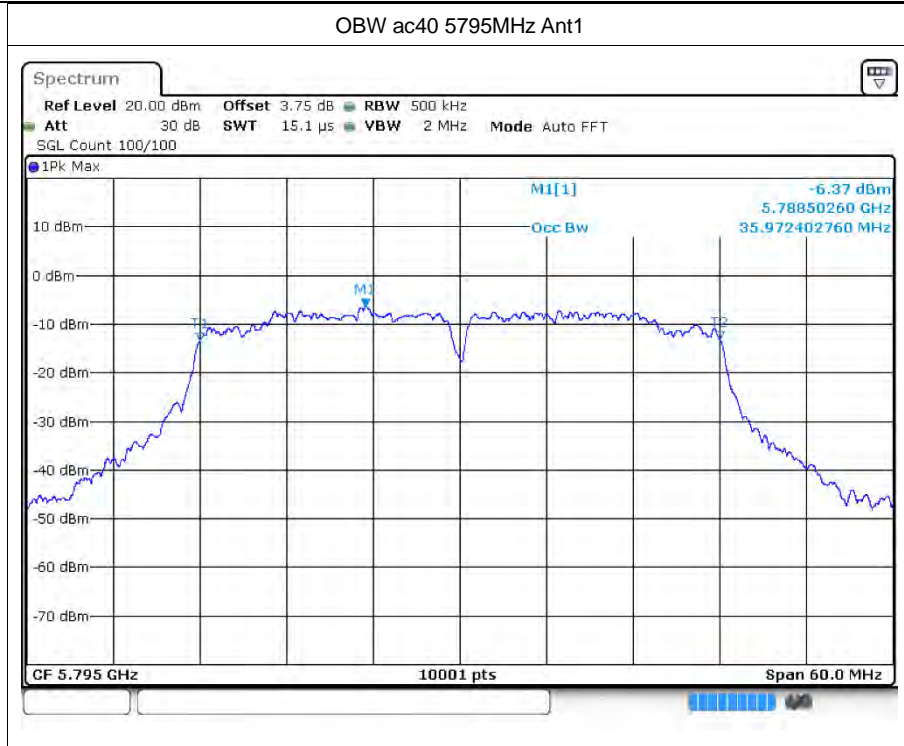


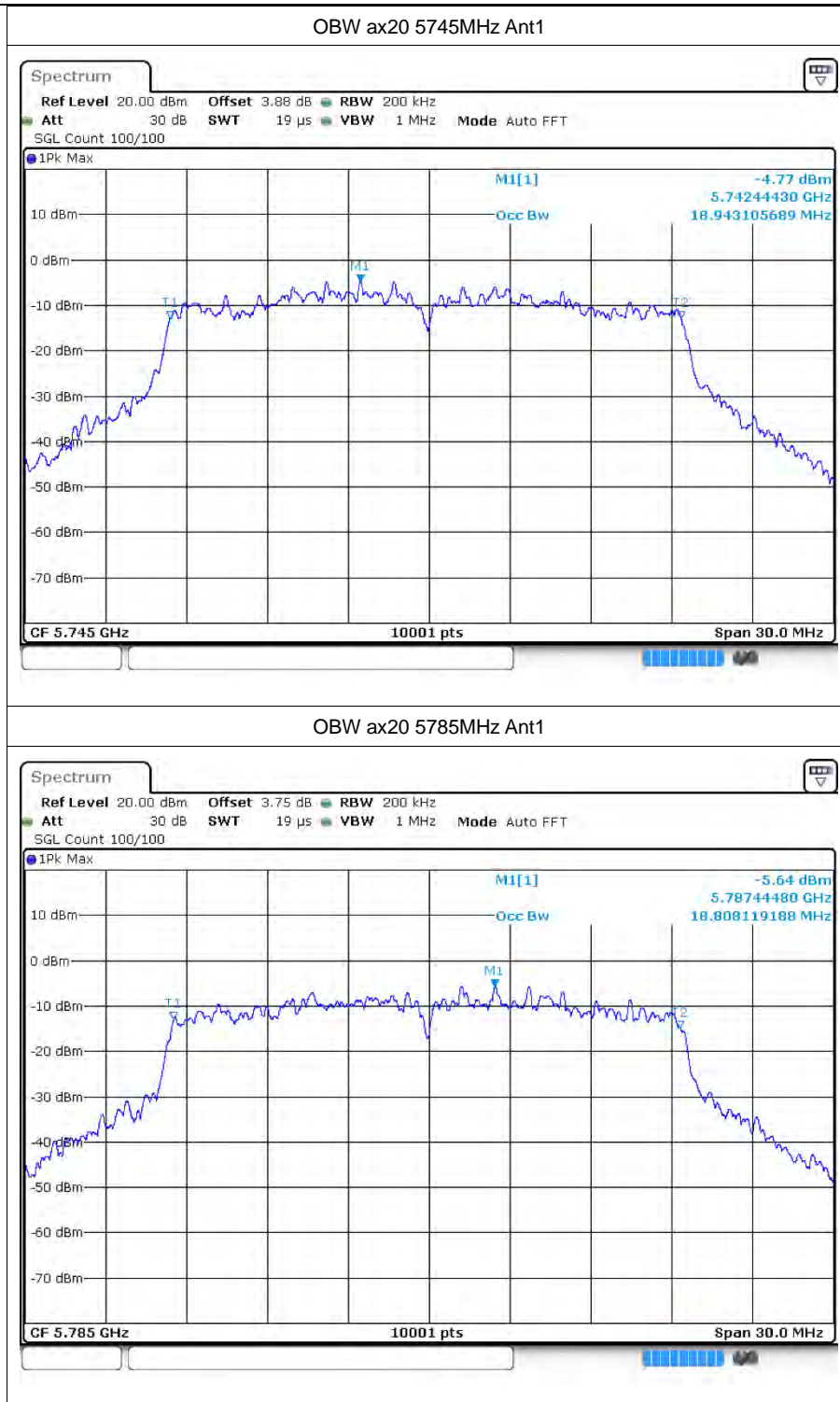
OBW ac20 5825MHz Ant1

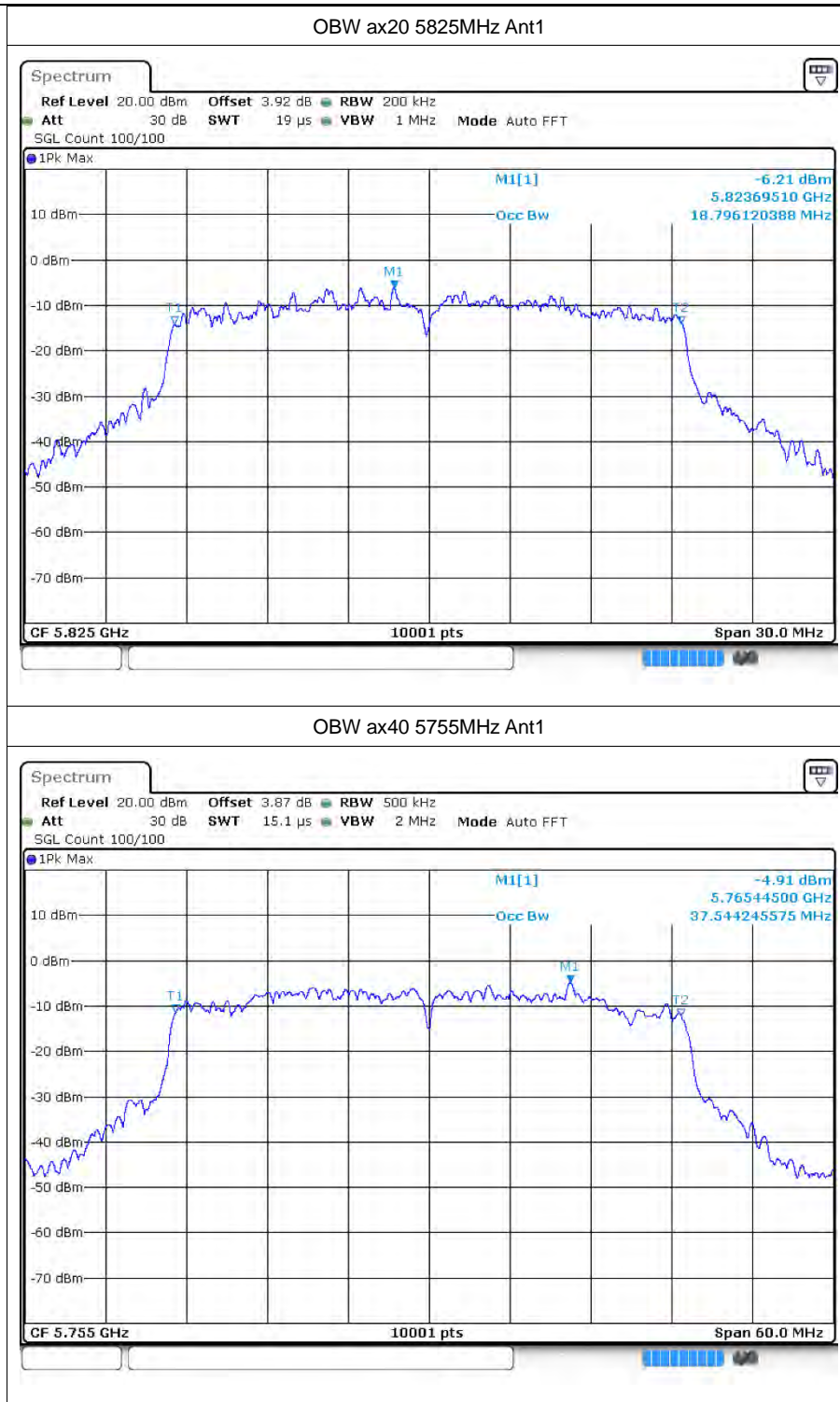


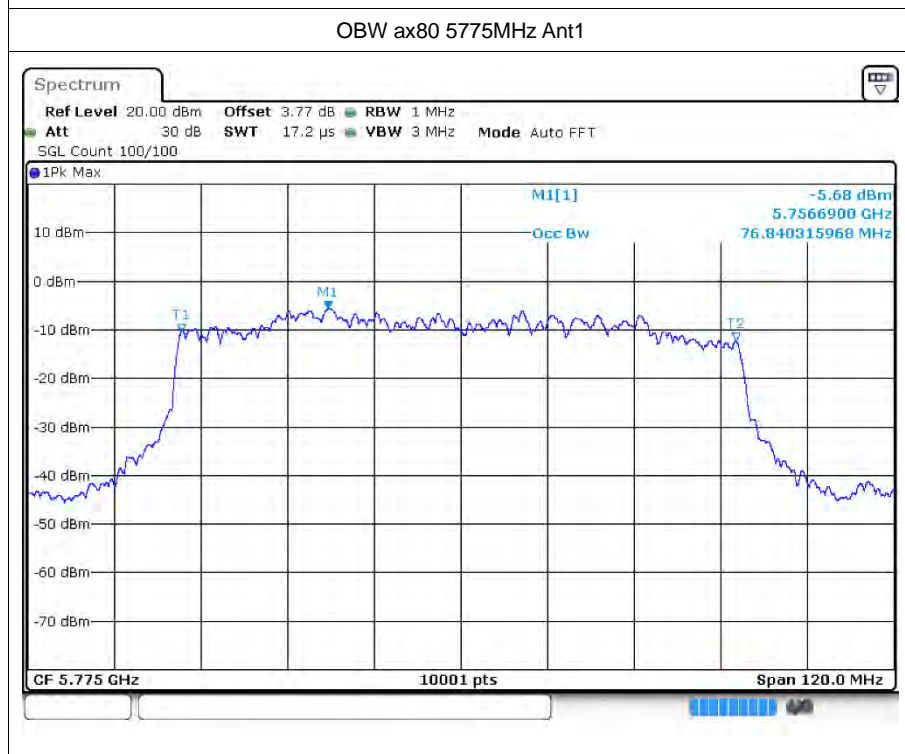
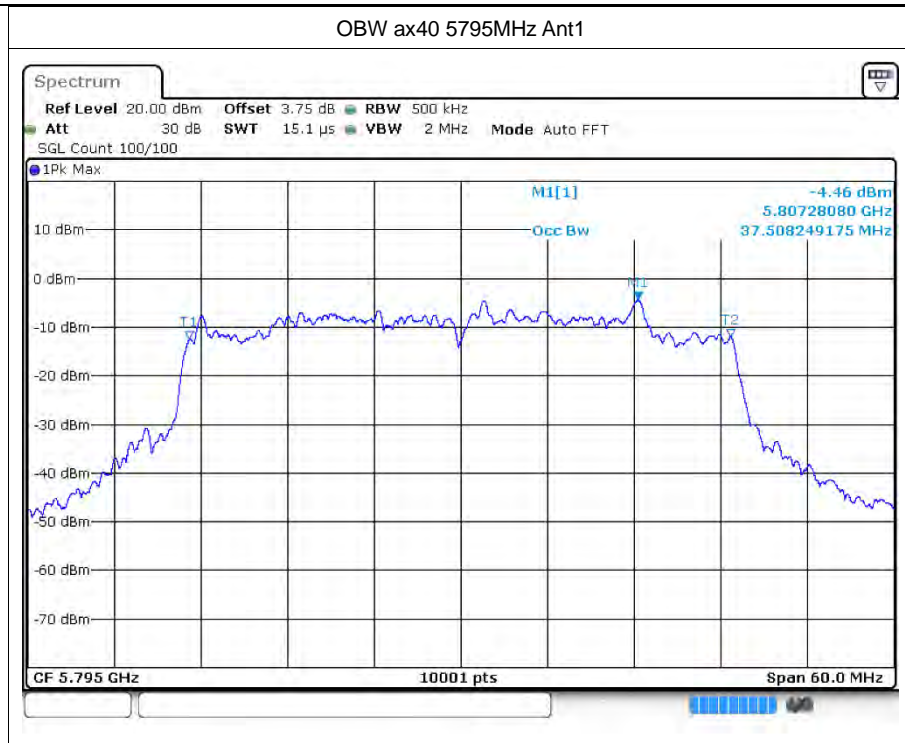
OBW ac40 5755MHz Ant1

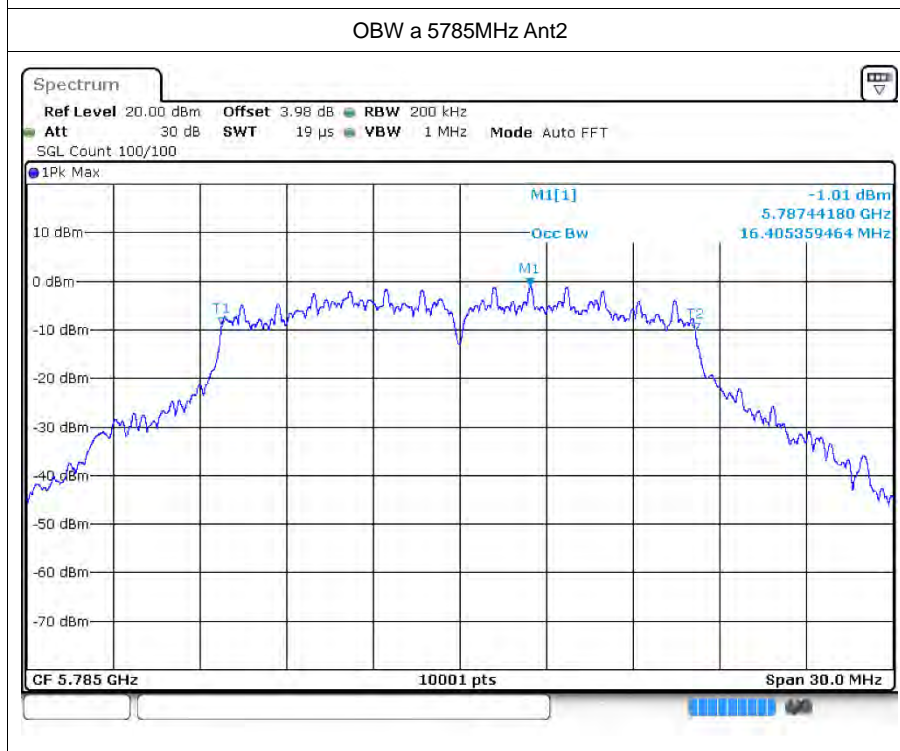
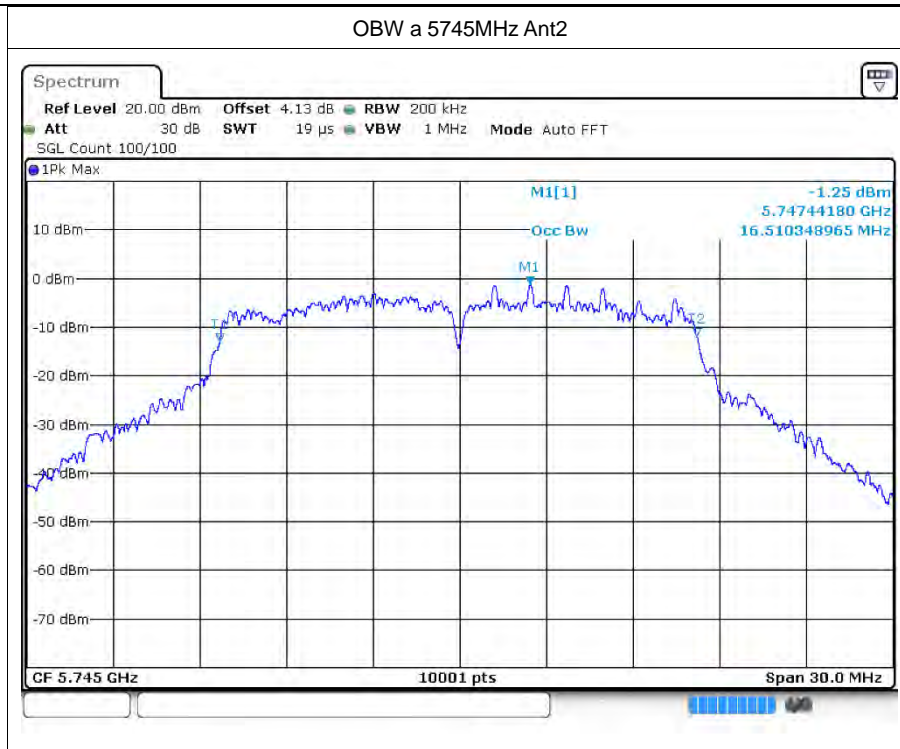


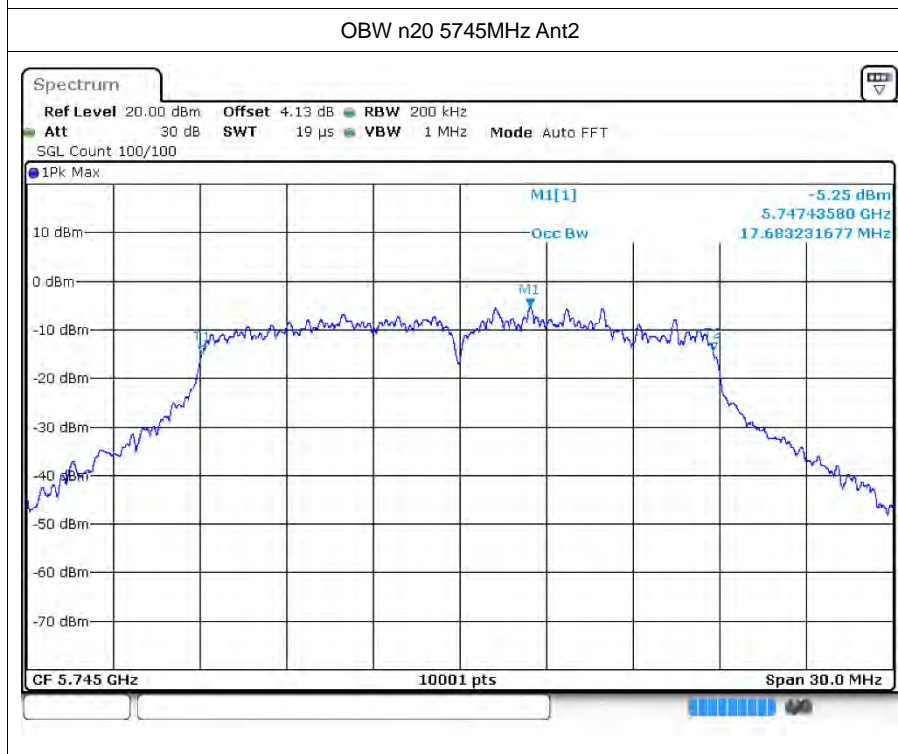
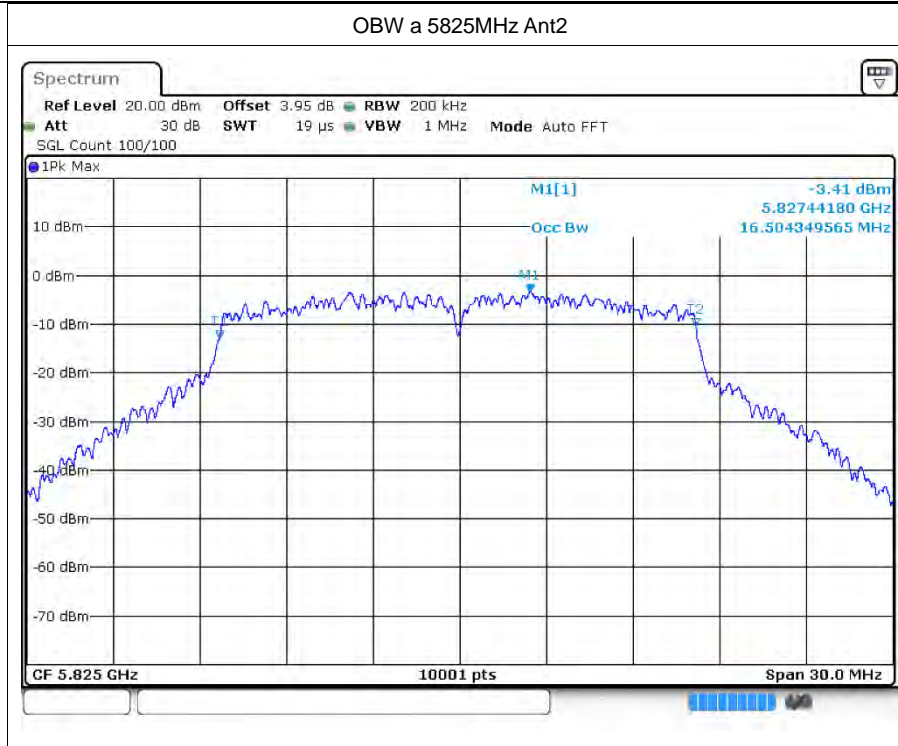


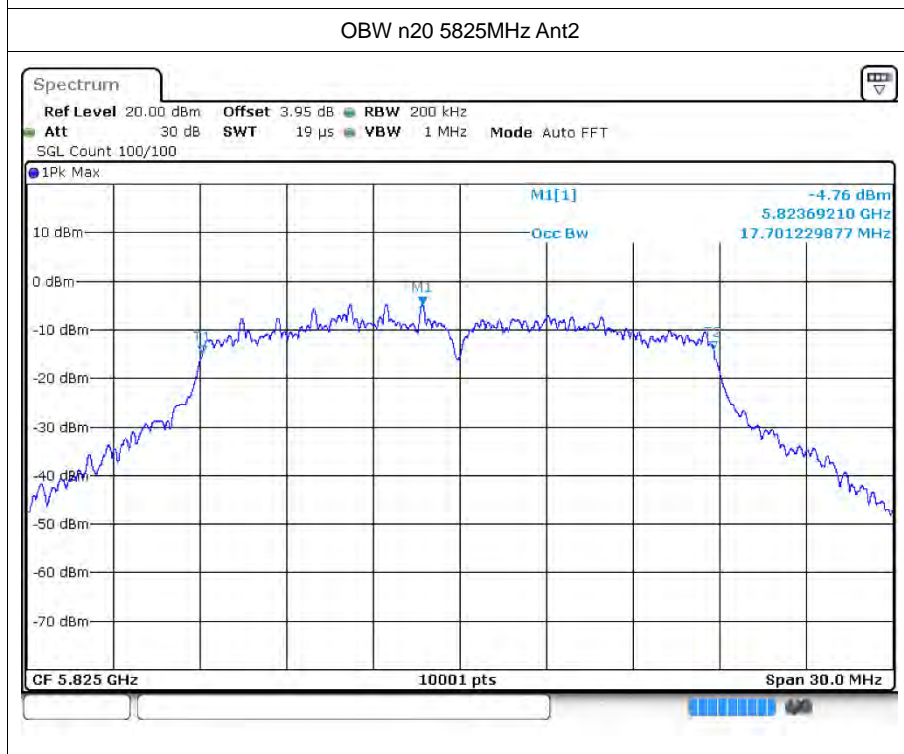
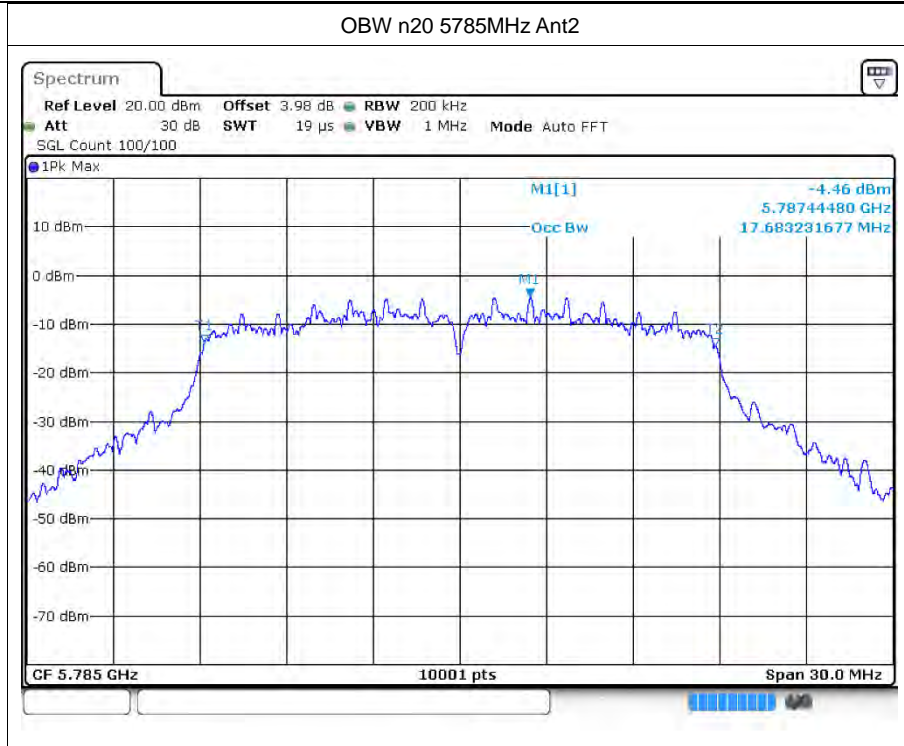


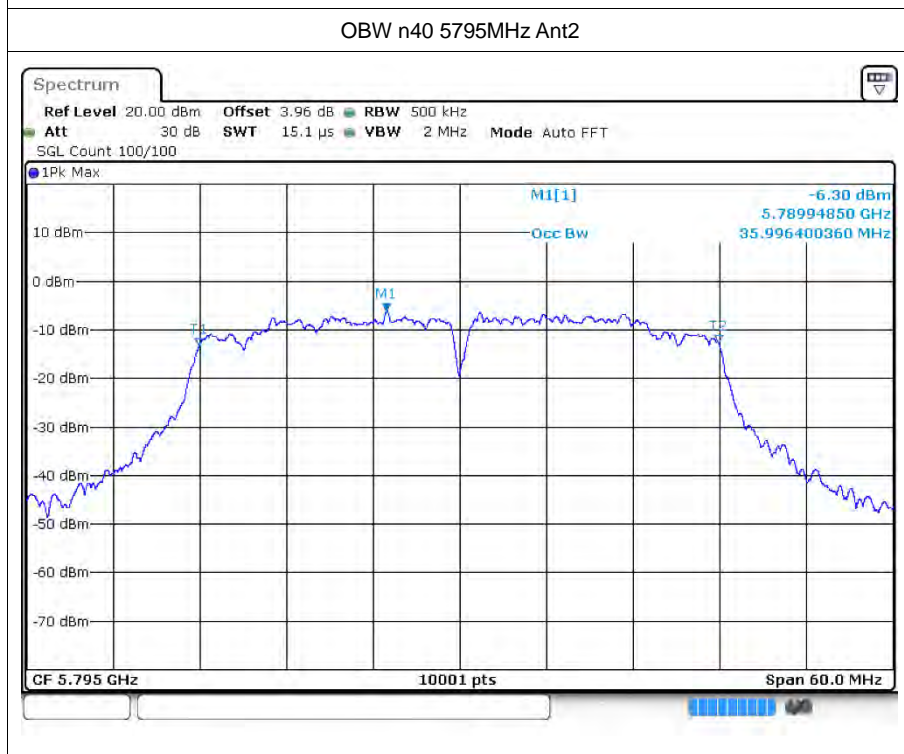
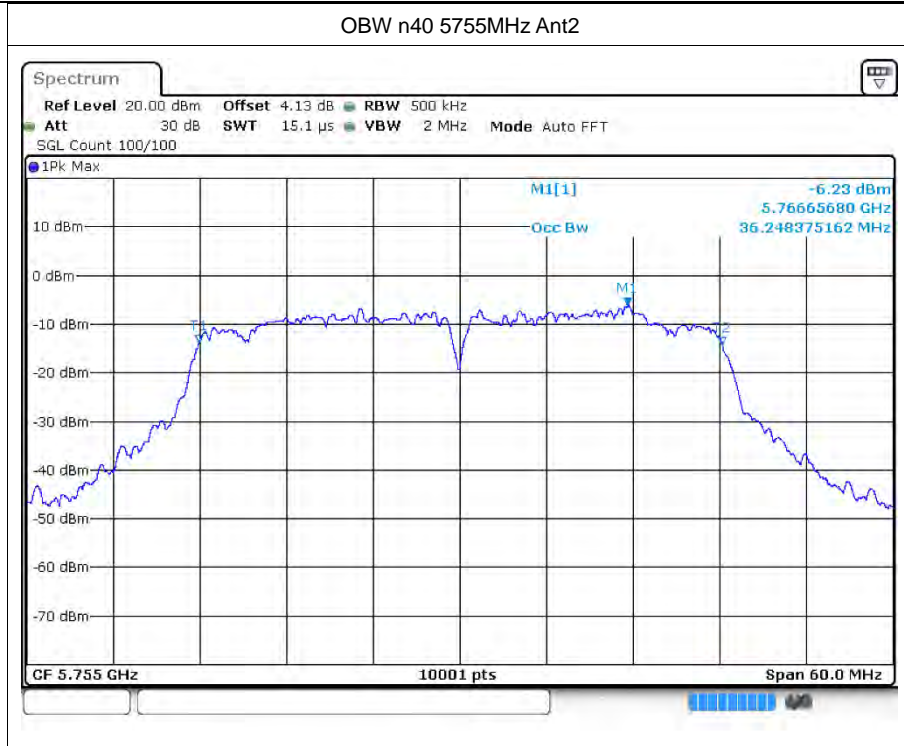






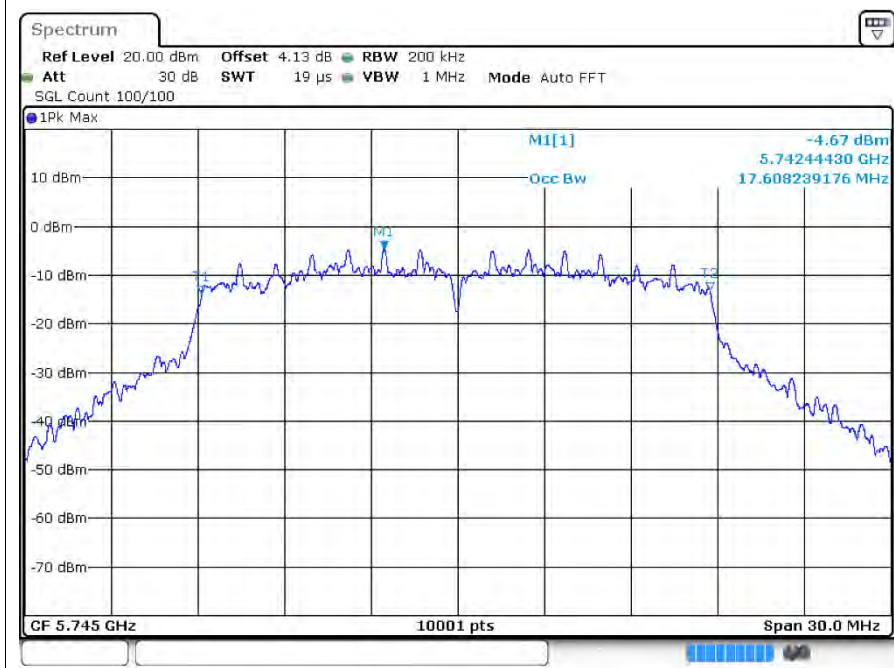




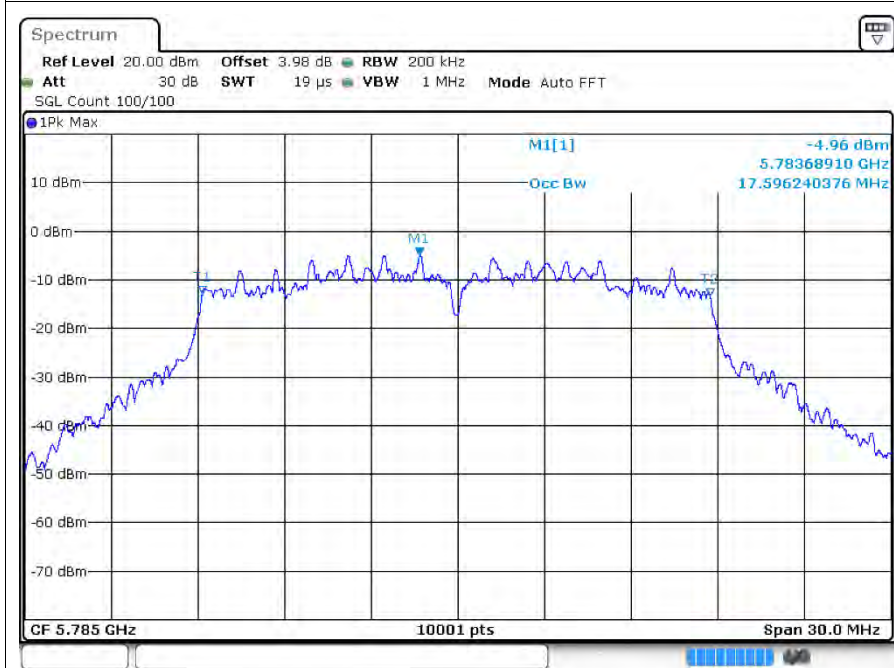




OBW ac20 5745MHz Ant2

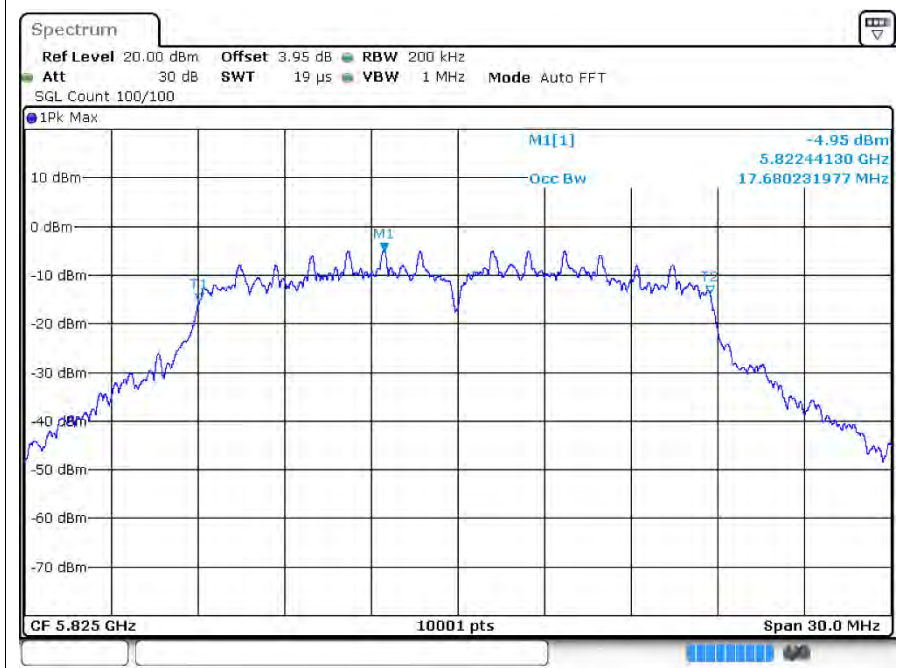


OBW ac20 5785MHz Ant2

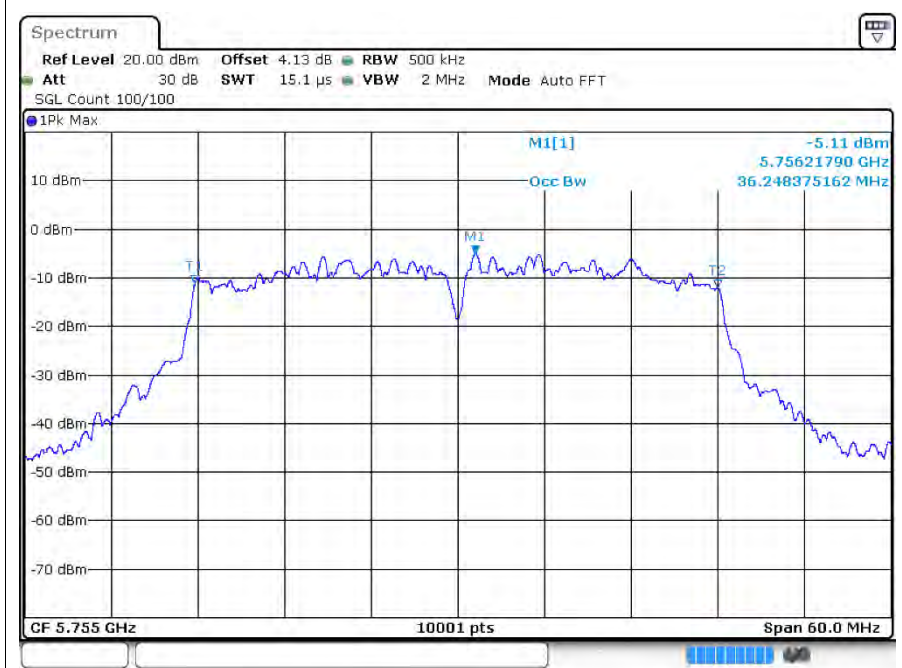


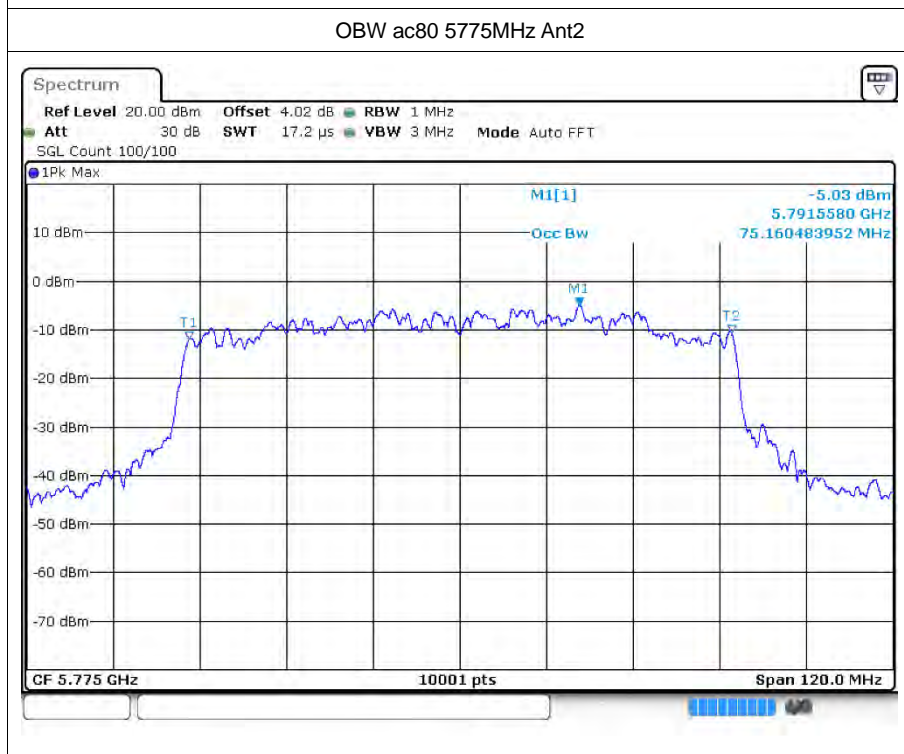
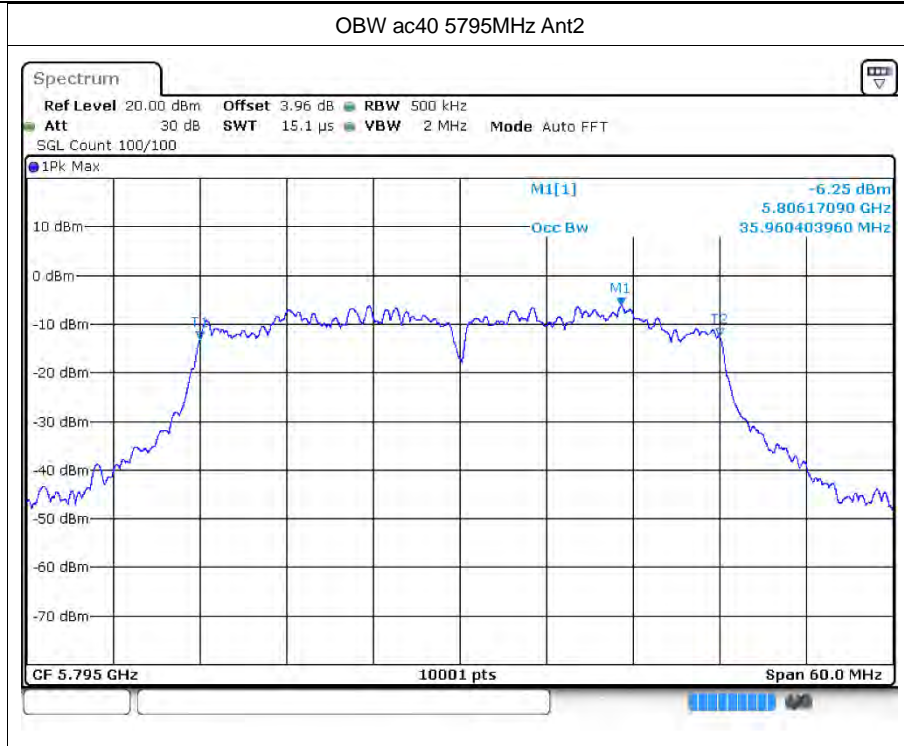


OBW ac20 5825MHz Ant2



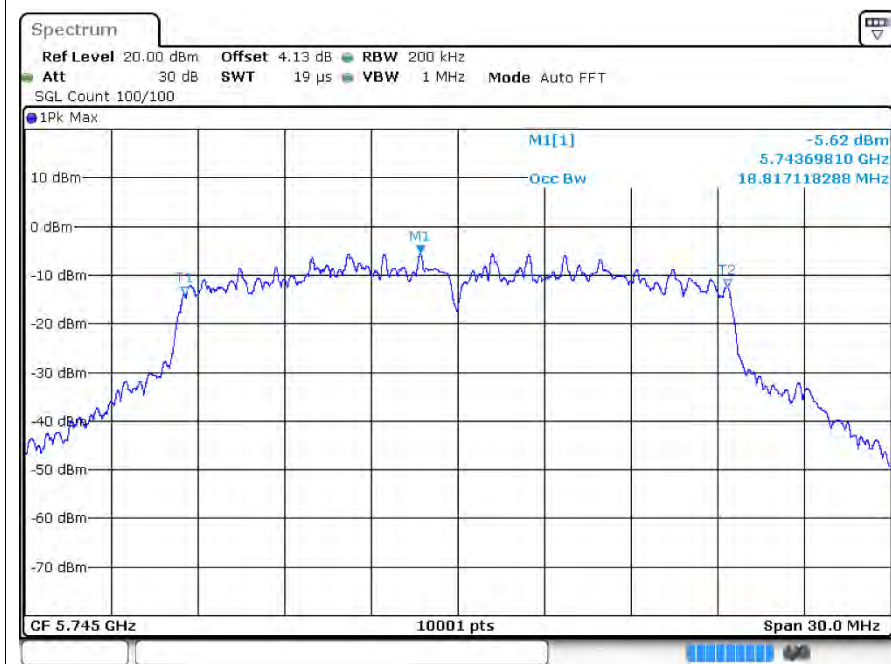
OBW ac40 5755MHz Ant2



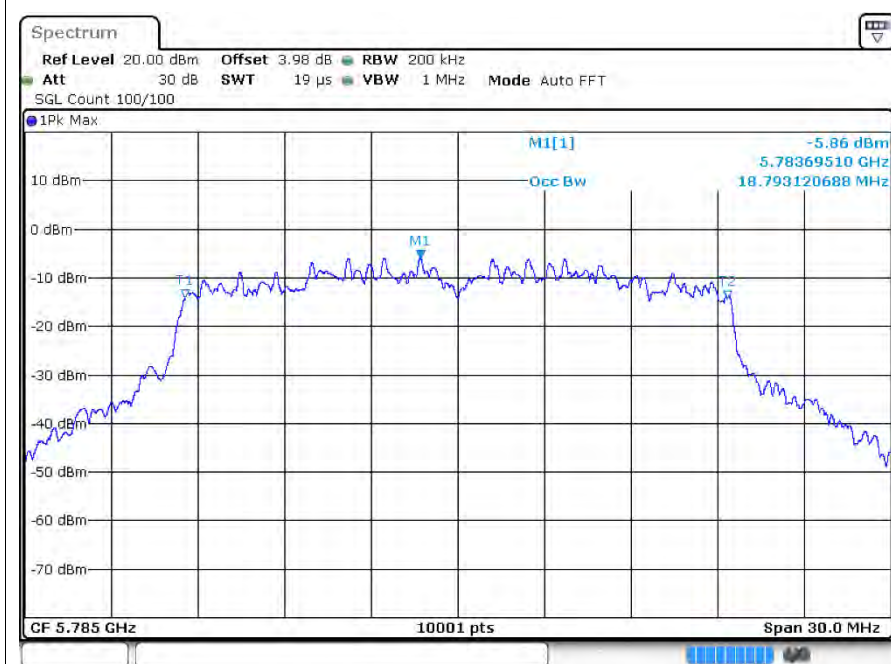




OBW ax20 5745MHz Ant2

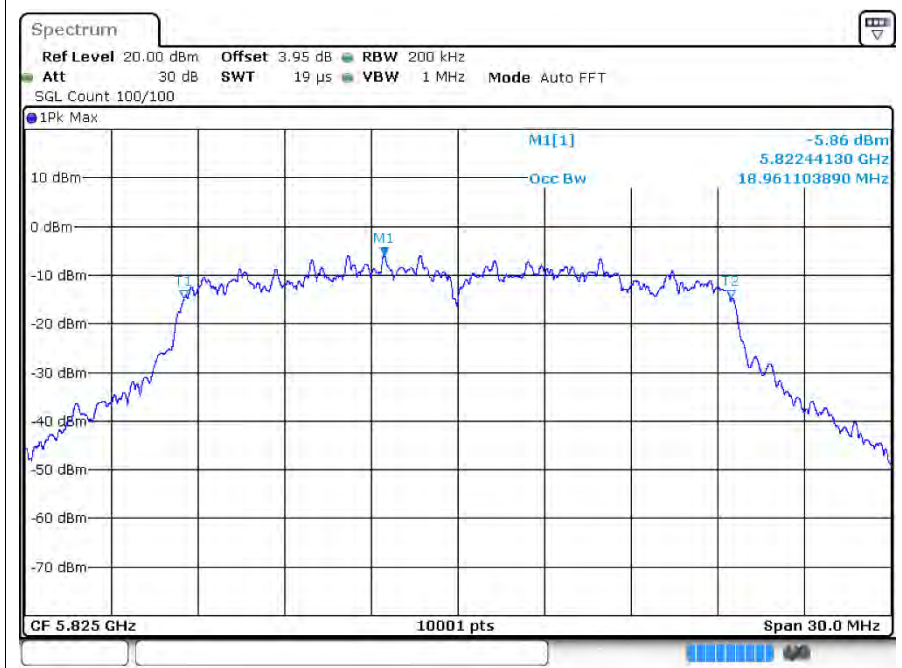


OBW ax20 5785MHz Ant2

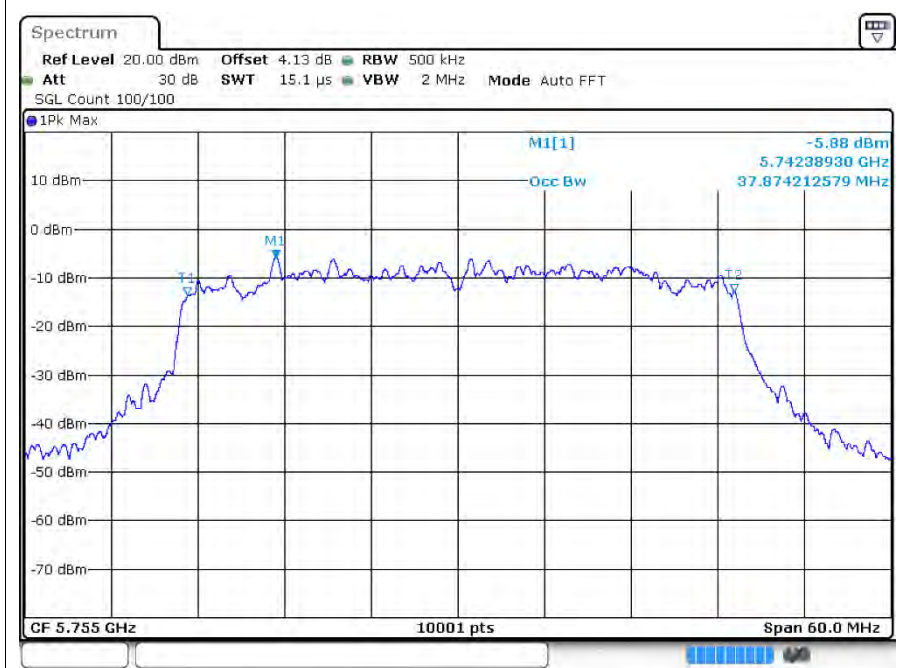




OBW ax20 5825MHz Ant2

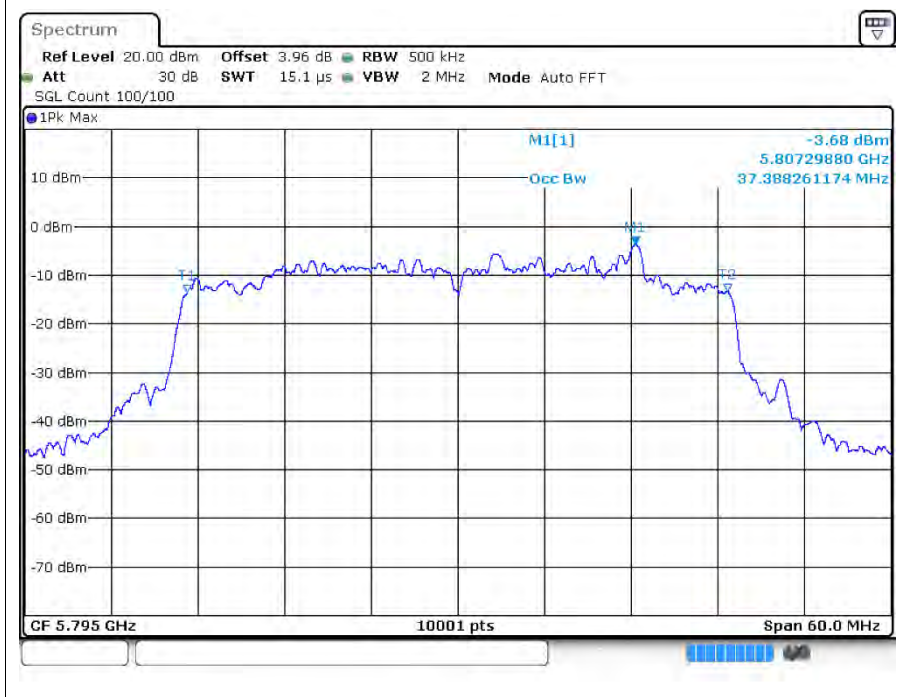


OBW ax40 5755MHz Ant2

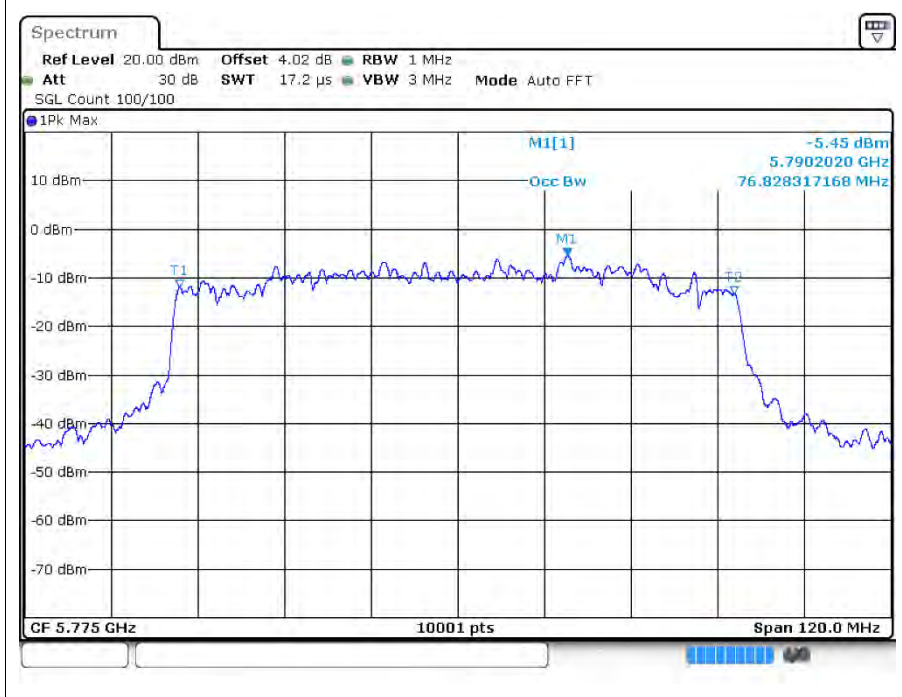




OBW ax40 5795MHz Ant2



OBW ax80 5775MHz Ant2





5 Maximum Power Spectral Density Level

5.1 Test Result

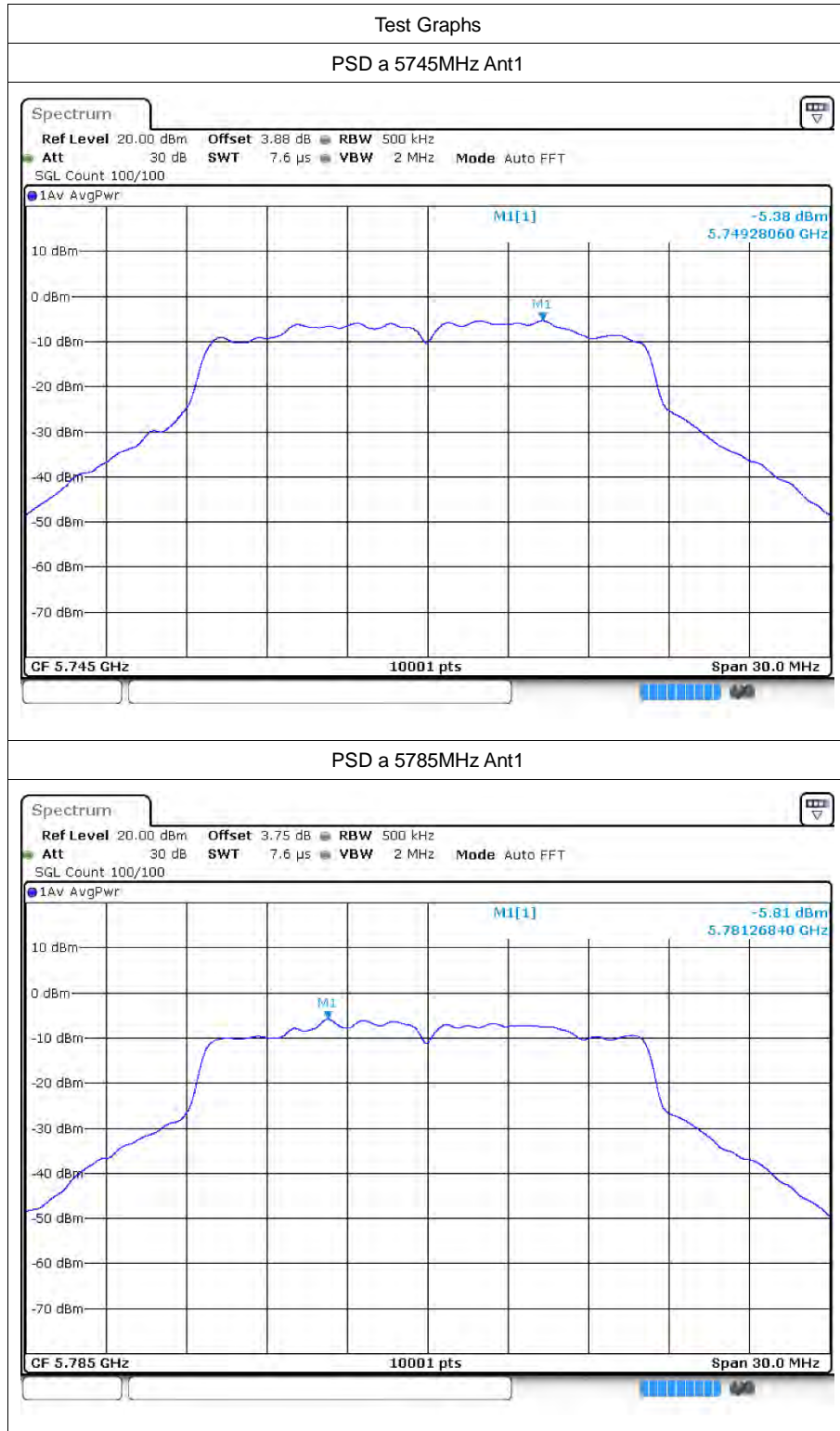
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
a	5745	Ant1	-5.38	0.6	-4.78	30	Pass
a	5785	Ant1	-5.81	0.6	-5.21	30	Pass
a	5825	Ant1	-5.93	0.61	-5.32	30	Pass
a	5745	Ant2	-5.59	0.6	-4.99	30	Pass
a	5785	Ant2	-6.17	0.6	-5.57	30	Pass
a	5825	Ant2	-6.14	0.61	-5.53	30	Pass
n20	5745	Ant1	-8.79	0	-8.79	30	Pass
n20	5745	Ant2	-9.45	0	-9.45	30	Pass
n20	5745	Sum	-	-	-6.10	30	Pass
n20	5785	Ant1	-9.88	0	-9.88	30	Pass
n20	5785	Ant2	-9.41	0	-9.41	30	Pass
n20	5785	Sum	-	-	-6.63	30	Pass
n20	5825	Ant1	-8.88	0	-8.88	30	Pass
n20	5825	Ant2	-9.82	0	-9.82	30	Pass
n20	5825	Sum	-	-	-6.31	30	Pass
n40	5755	Ant1	-12.51	0	-12.51	30	Pass
n40	5755	Ant2	-13.48	0	-13.48	30	Pass
n40	5755	Sum	-	-	-9.96	30	Pass
n40	5795	Ant1	-13.38	0	-13.38	30	Pass
n40	5795	Ant2	-13.38	0	-13.38	30	Pass
n40	5795	Sum	-	-	-10.37	30	Pass
ac20	5745	Ant1	-9.1	0	-9.1	30	Pass
ac20	5745	Ant2	-9.23	0	-9.23	30	Pass
ac20	5745	Sum	-	-	-6.15	30	Pass
ac20	5785	Ant1	-9.38	0	-9.38	30	Pass
ac20	5785	Ant2	-9.41	0	-9.41	30	Pass
ac20	5785	Sum	-	-	-6.38	30	Pass
ac20	5825	Ant1	-9.34	0	-9.34	30	Pass
ac20	5825	Ant2	-10.32	0	-10.32	30	Pass
ac20	5825	Sum	-	-	-6.79	30	Pass
ac40	5755	Ant1	-12.55	0	-12.55	30	Pass
ac40	5755	Ant2	-13.84	0	-13.84	30	Pass
ac40	5755	Sum	-	-	-10.14	30	Pass
ac40	5795	Ant1	-13.44	0	-13.44	30	Pass

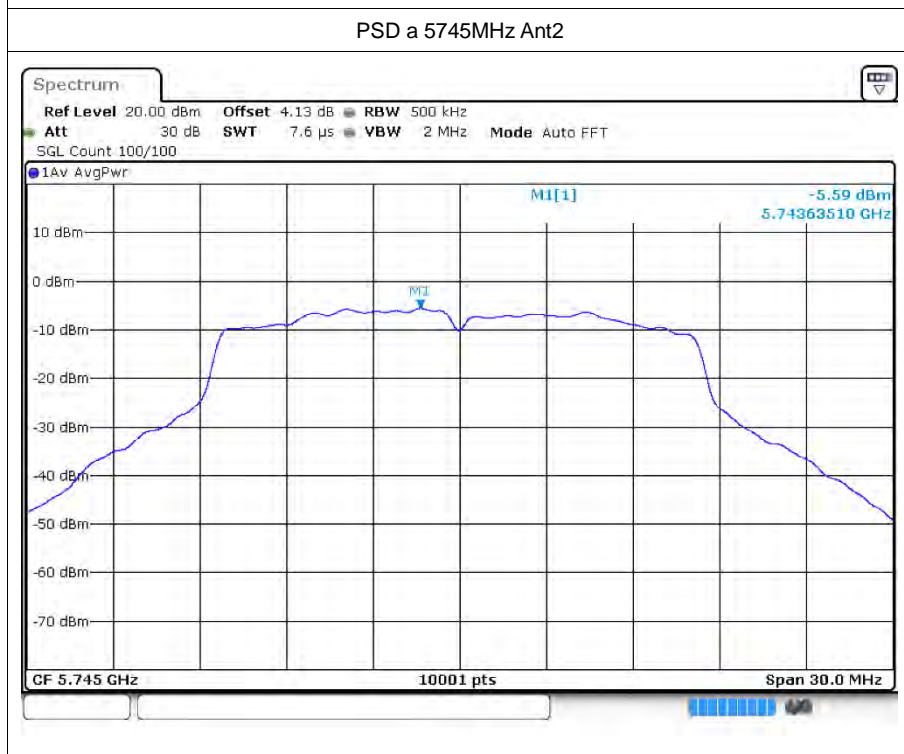
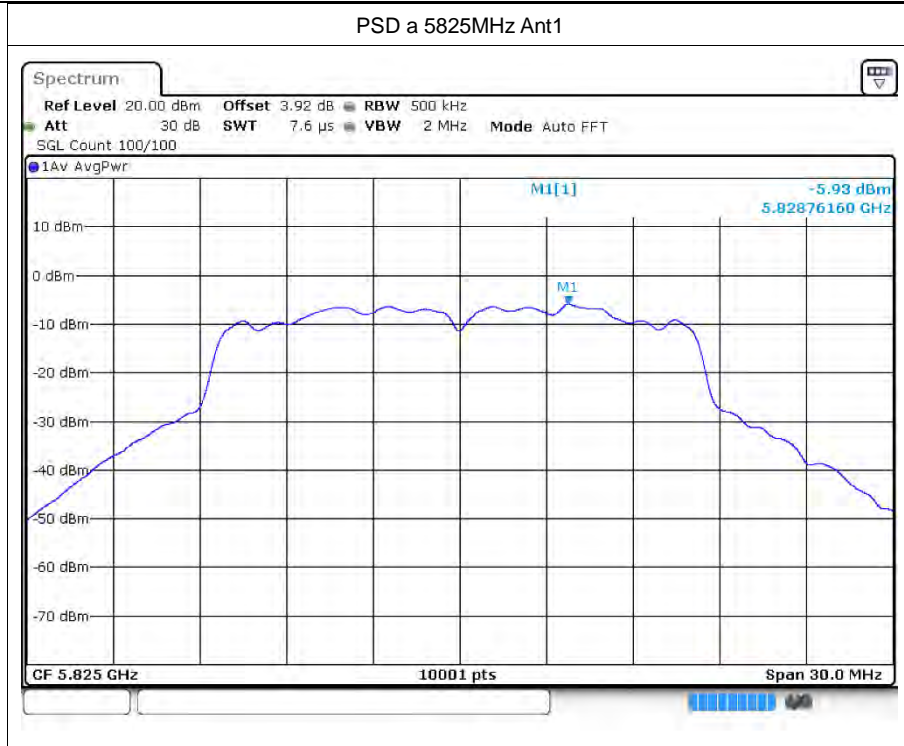


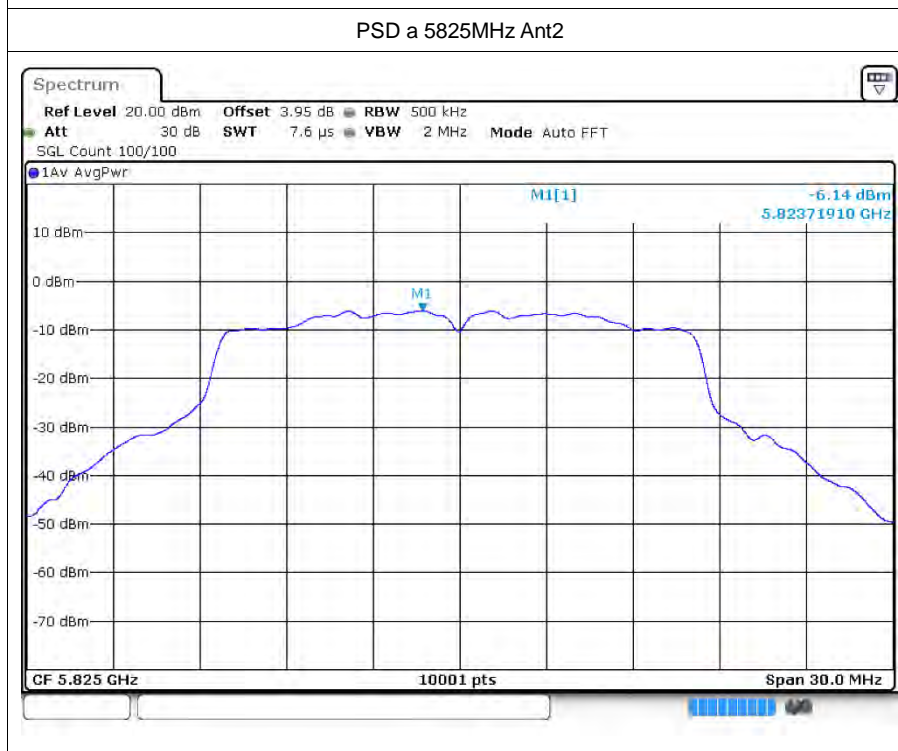
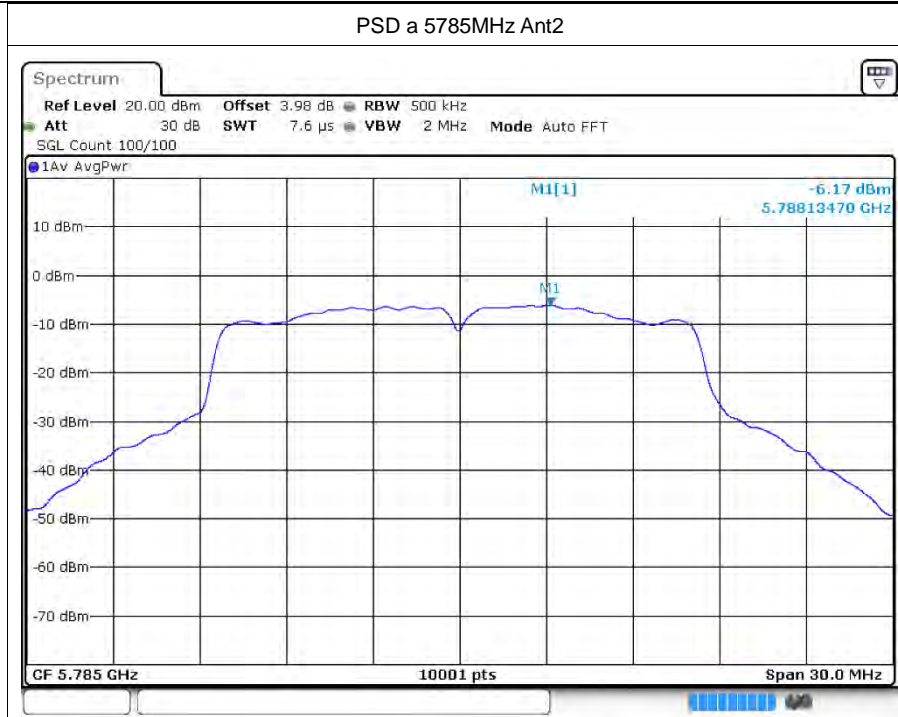
ac40	5795	Ant2	-13.58	0	-13.58	30	Pass
ac40	5795	Sum	-	-	-10.50	30	Pass
ac80	5775	Ant1	-16.21	0	-16.21	30	Pass
ac80	5775	Ant2	-17.35	0	-17.35	30	Pass
ac80	5775	Sum	-	-	-13.73	30	Pass
ax20	5745	Ant1	-9.78	0	-9.78	30	Pass
ax20	5745	Ant2	-9.87	0	-9.87	30	Pass
ax20	5745	Sum	-	-	-6.81	30	Pass
ax20	5785	Ant1	-10.74	0	-10.74	30	Pass
ax20	5785	Ant2	-10.91	0	-10.91	30	Pass
ax20	5785	Sum	-	-	-7.81	30	Pass
ax20	5825	Ant1	-10.56	0	-10.56	30	Pass
ax20	5825	Ant2	-10.88	0	-10.88	30	Pass
ax20	5825	Sum	-	-	-7.71	30	Pass
ax40	5755	Ant1	-13.25	0	-13.25	30	Pass
ax40	5755	Ant2	-15.1	0	-15.1	30	Pass
ax40	5755	Sum	-	-	-11.07	30	Pass
ax40	5795	Ant1	-14.34	0	-14.34	30	Pass
ax40	5795	Ant2	-14.99	0	-14.99	30	Pass
ax40	5795	Sum	-	-	-11.64	30	Pass
ax80	5775	Ant1	-16.91	0	-16.91	30	Pass
ax80	5775	Ant2	-18.12	0	-18.12	30	Pass
ax80	5775	Sum	-	-	-14.46	30	Pass

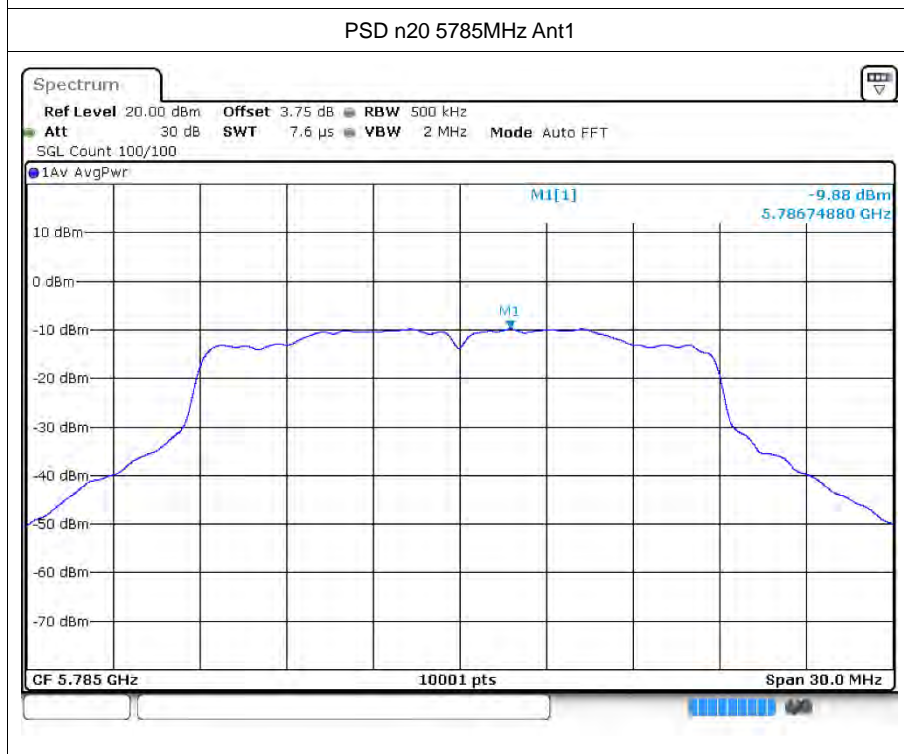
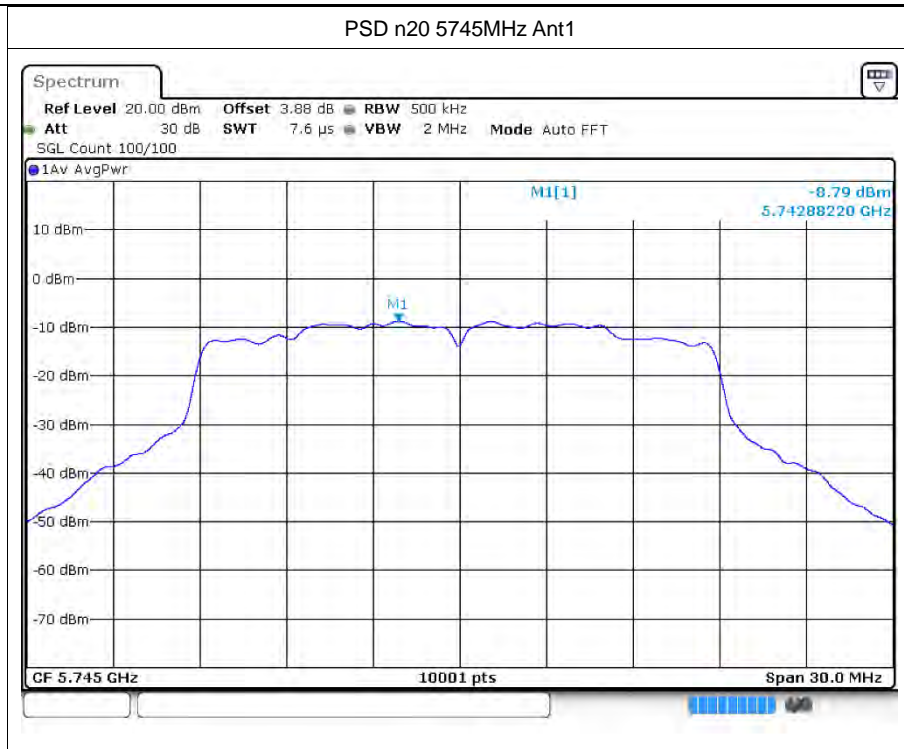


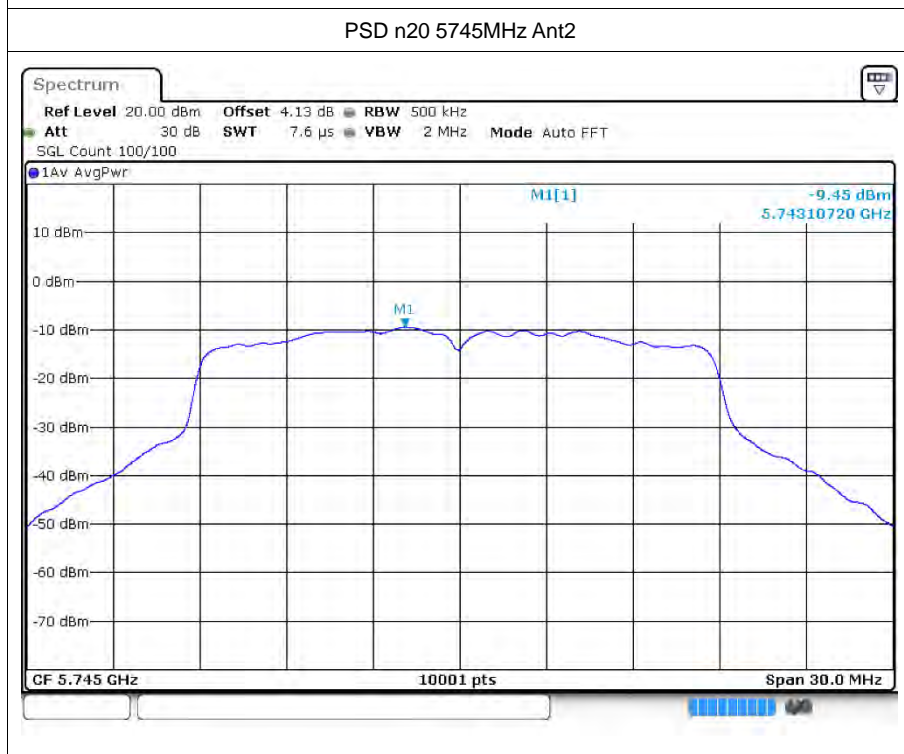
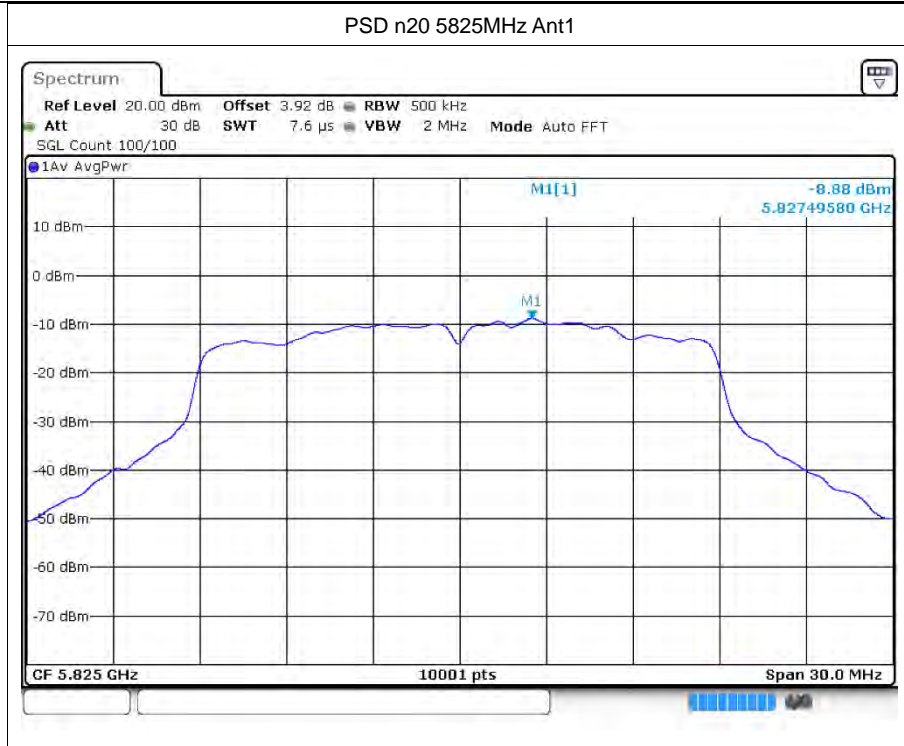
5.2 Test Graphs

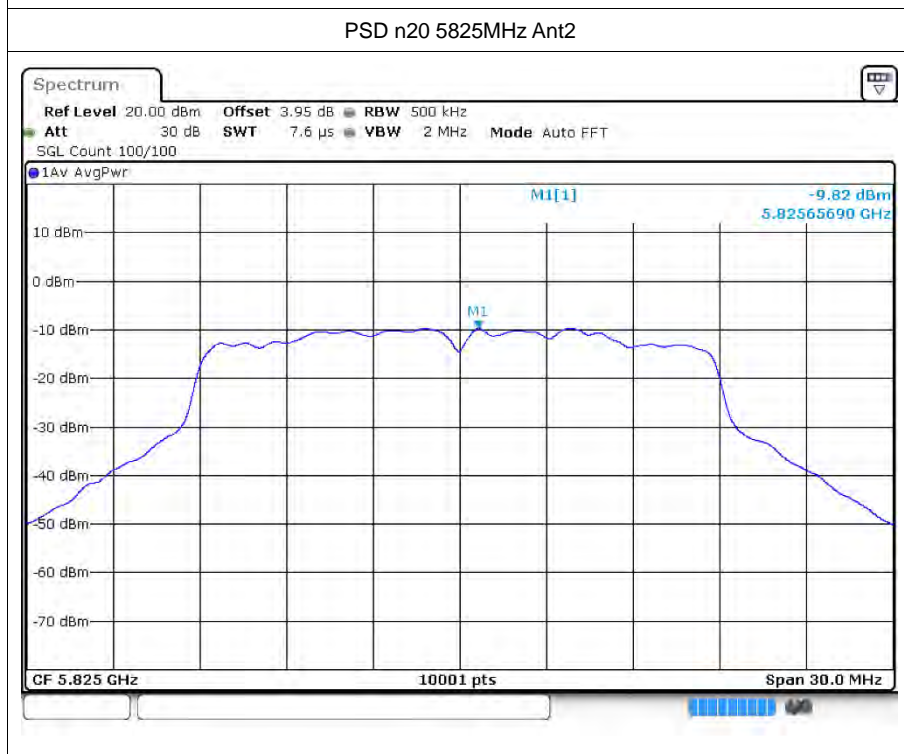
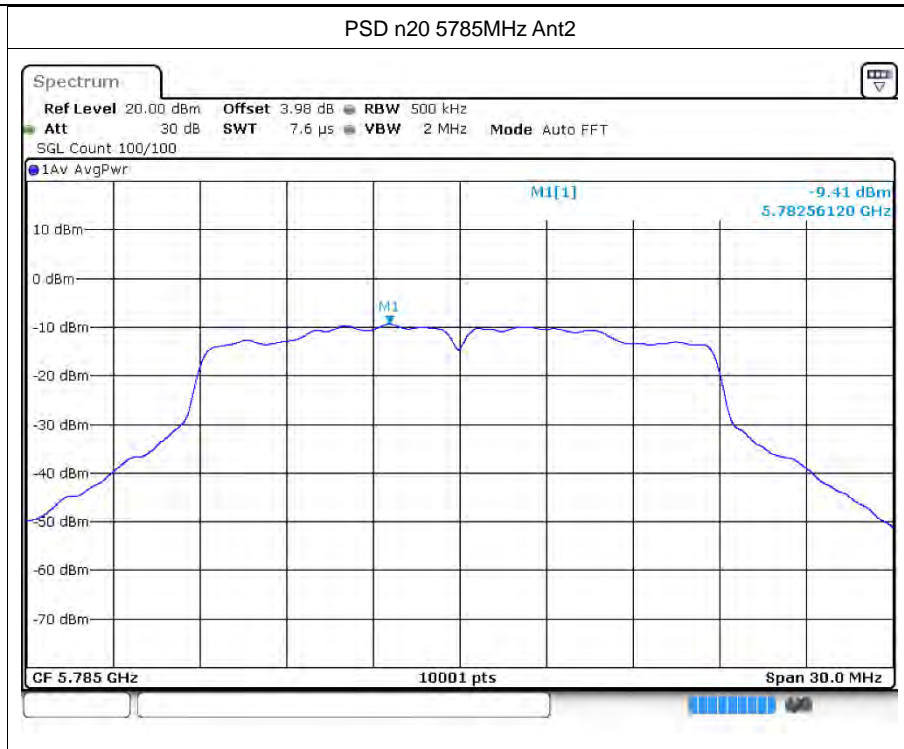


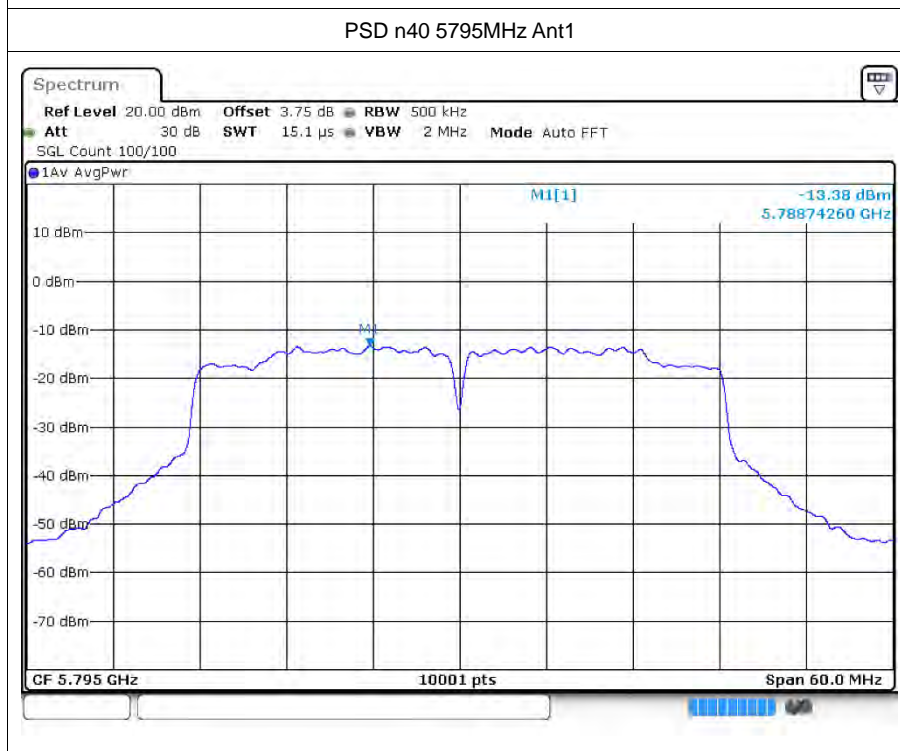
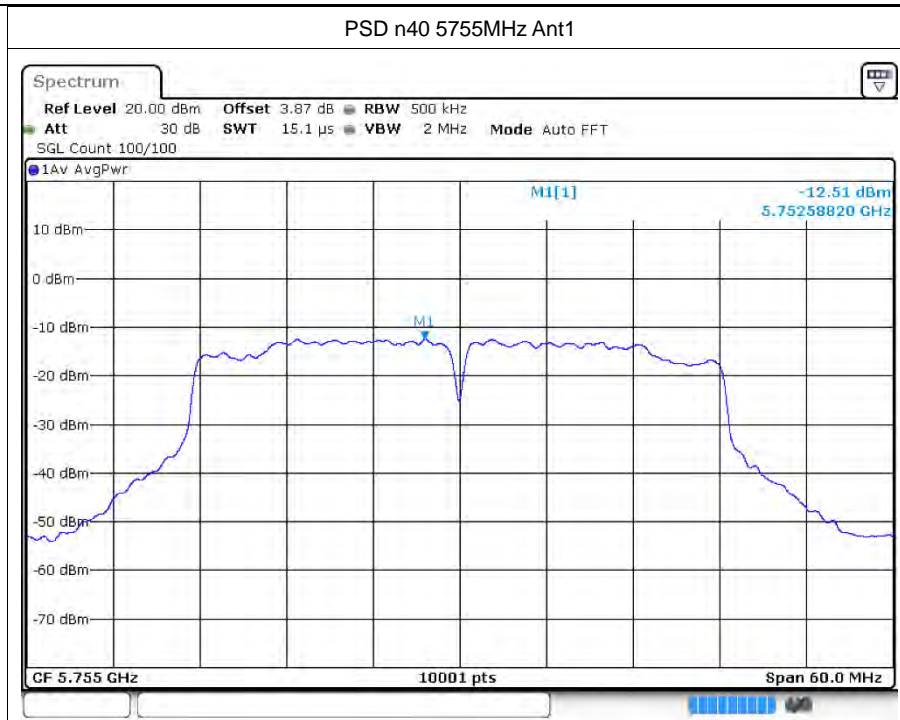


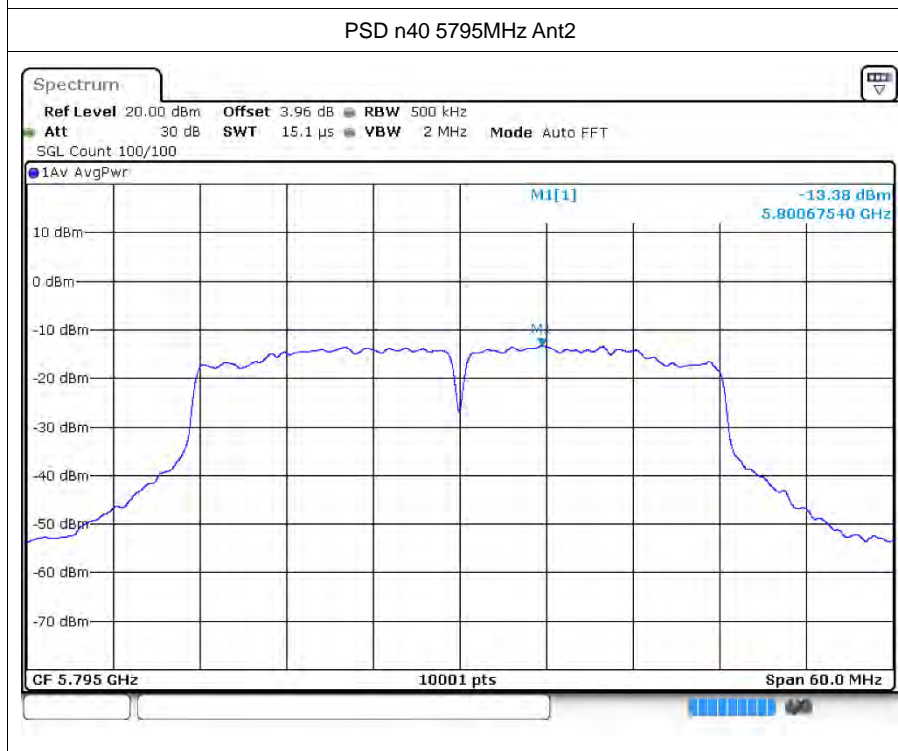
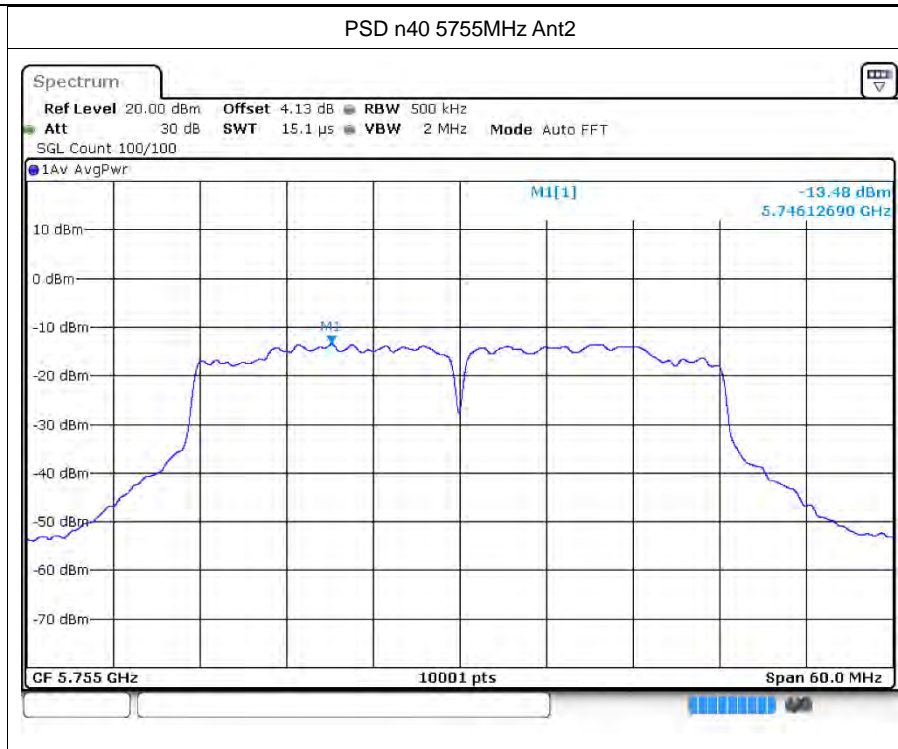


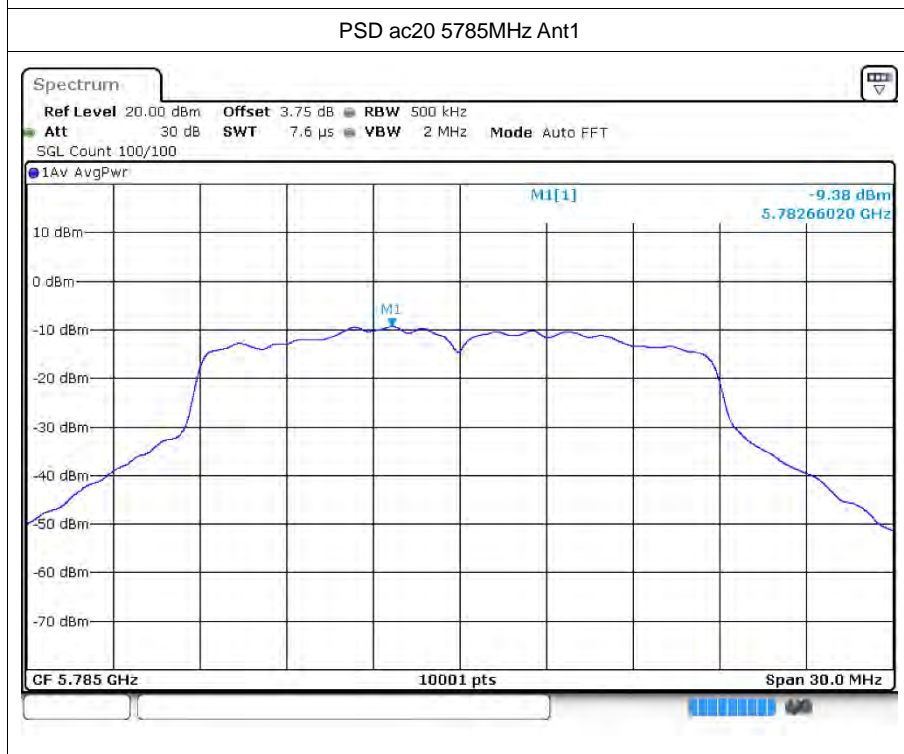
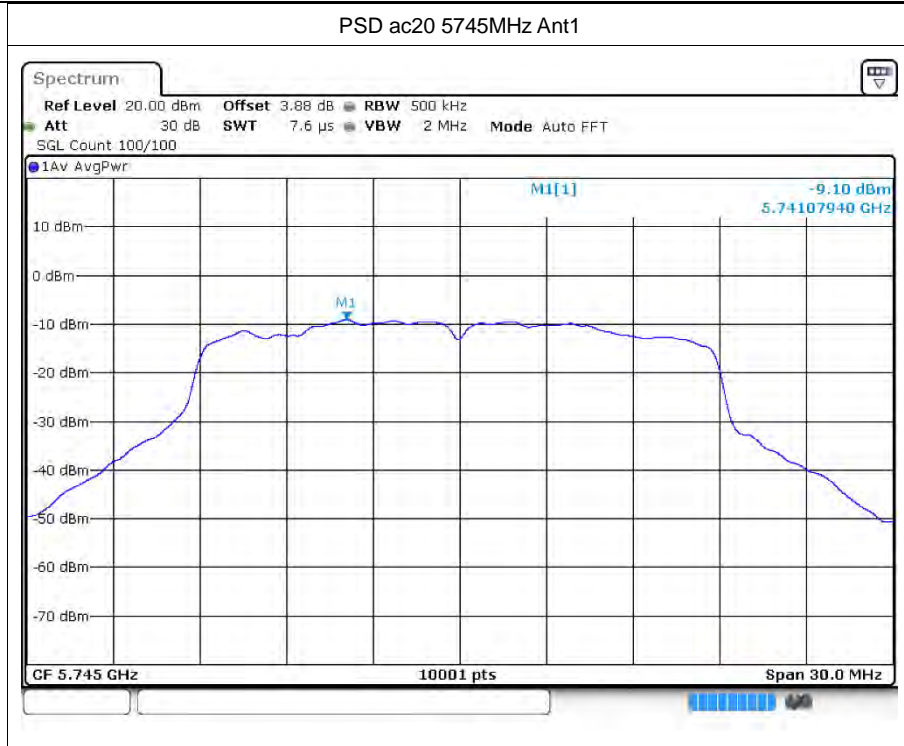


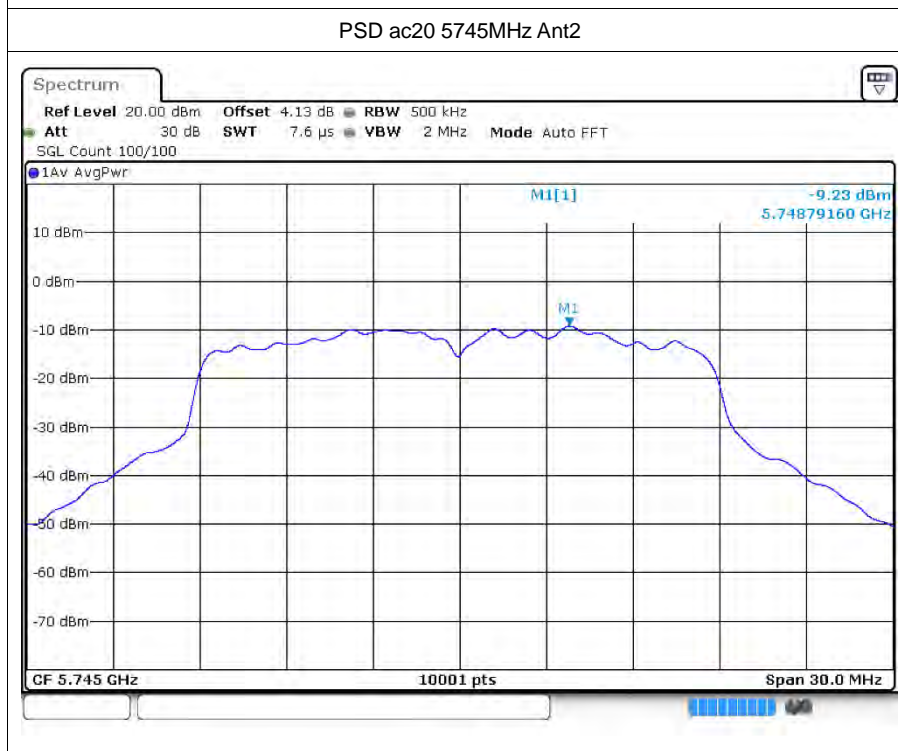
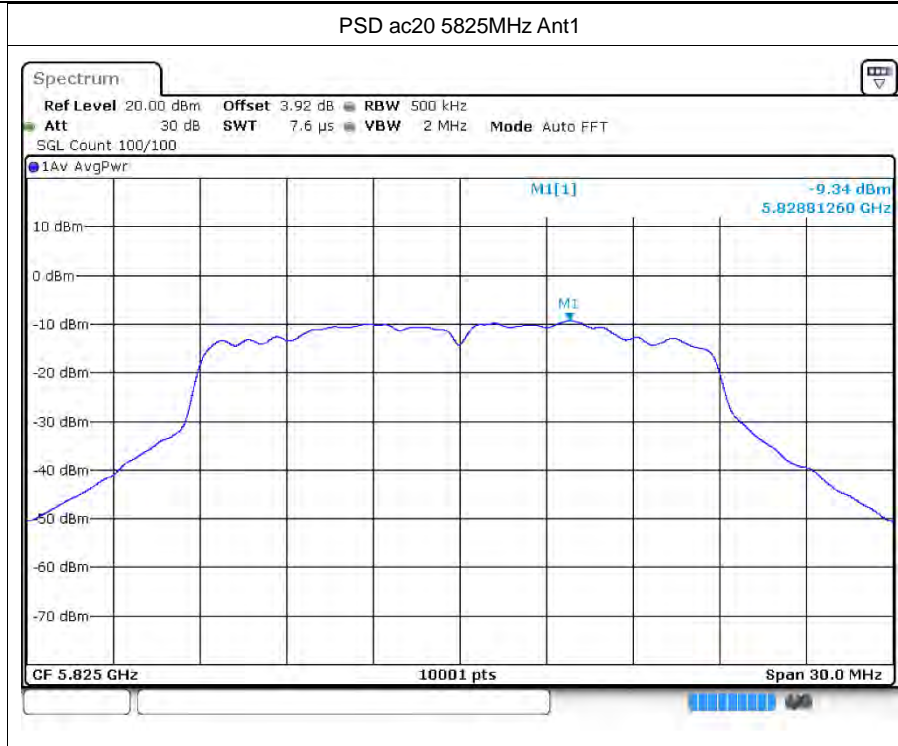


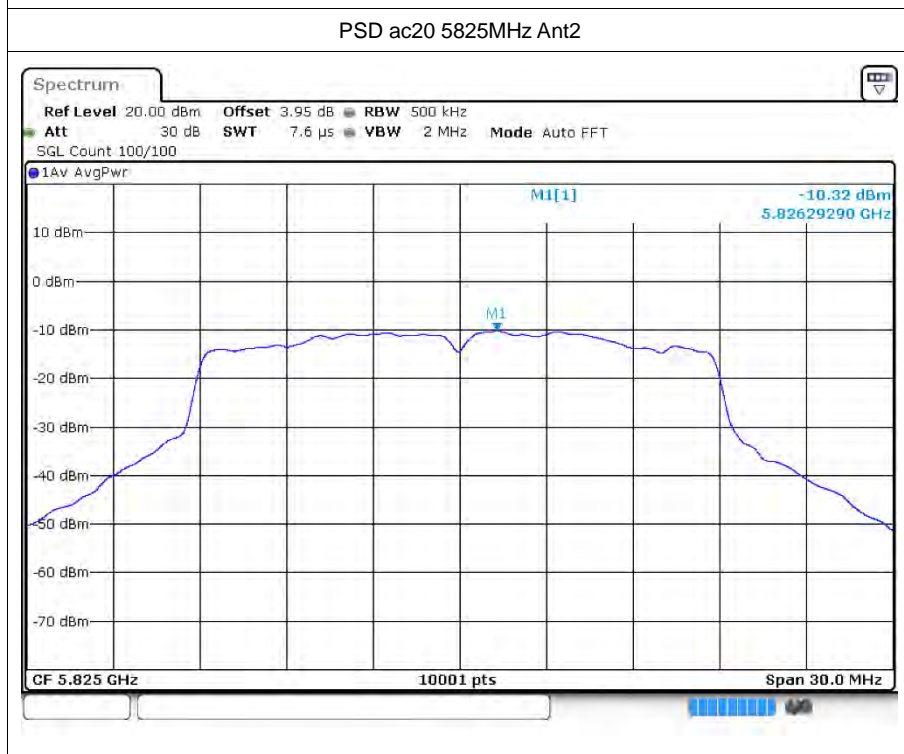
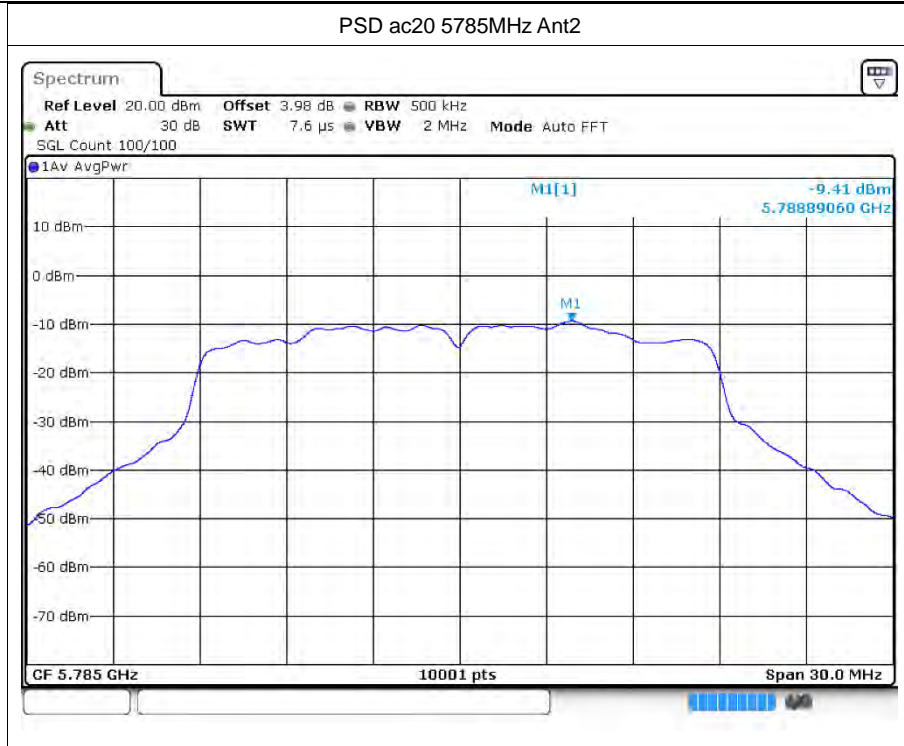






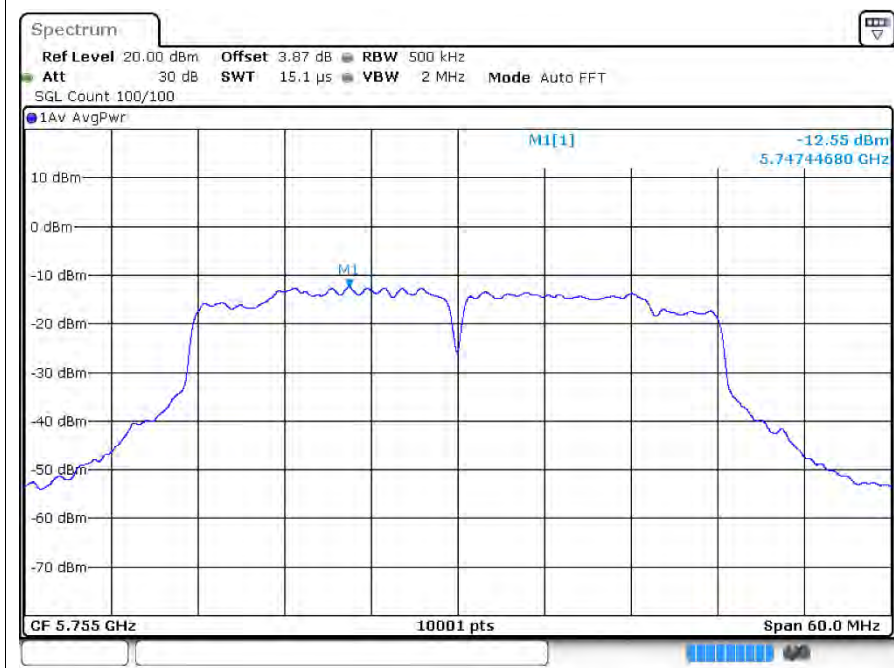




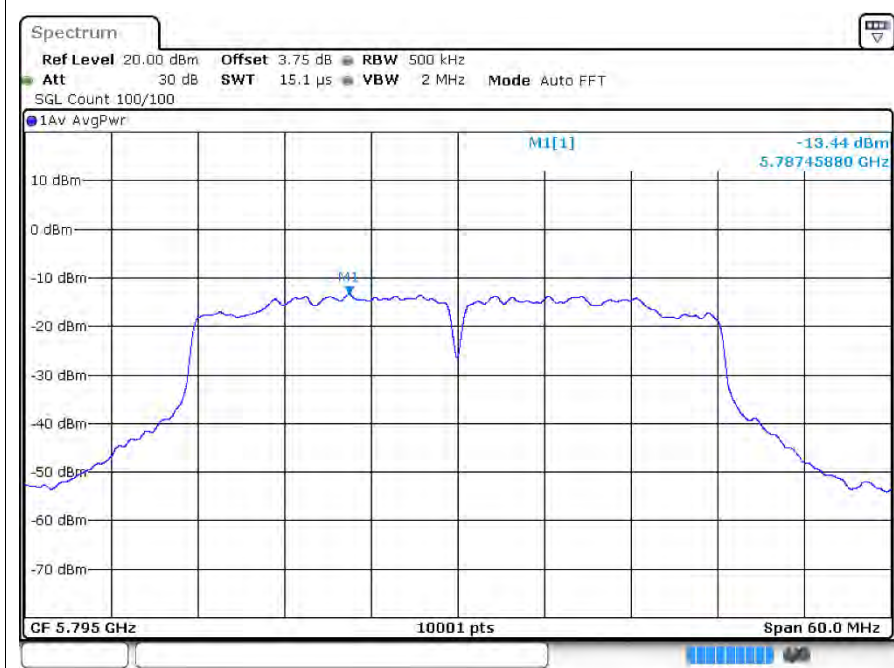




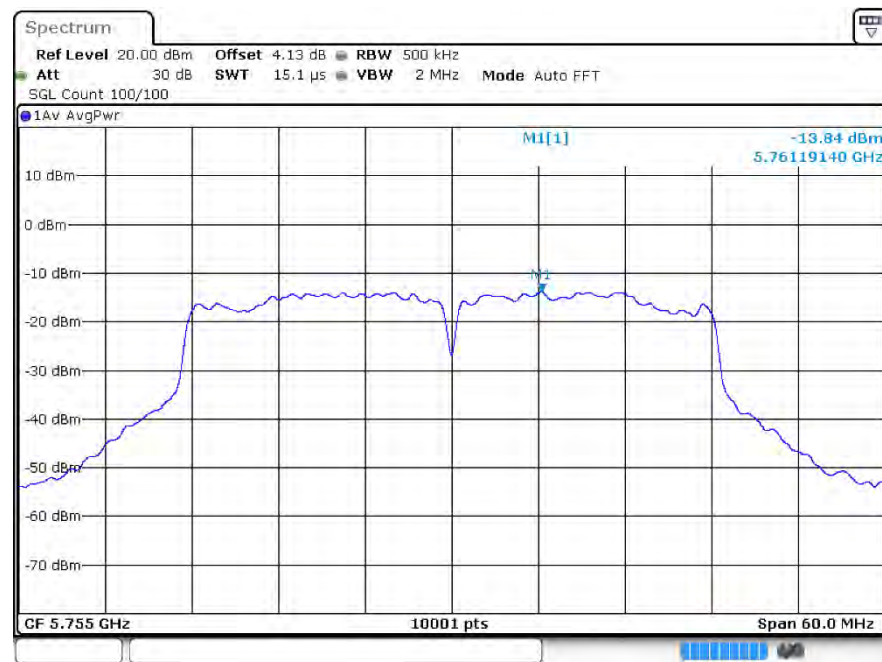
PSD ac40 5755MHz Ant1



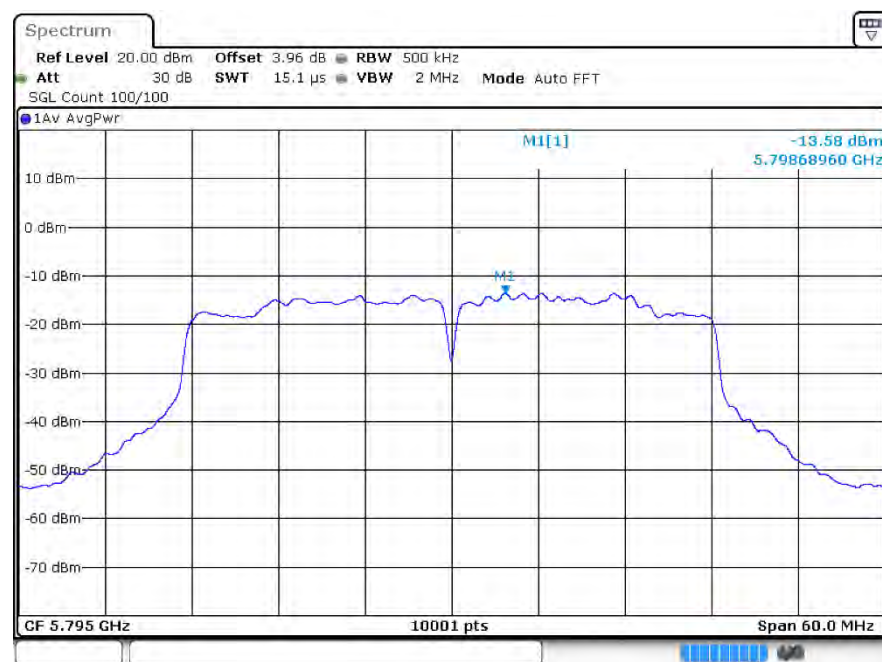
PSD ac40 5795MHz Ant1



PSD ac40 5755MHz Ant2

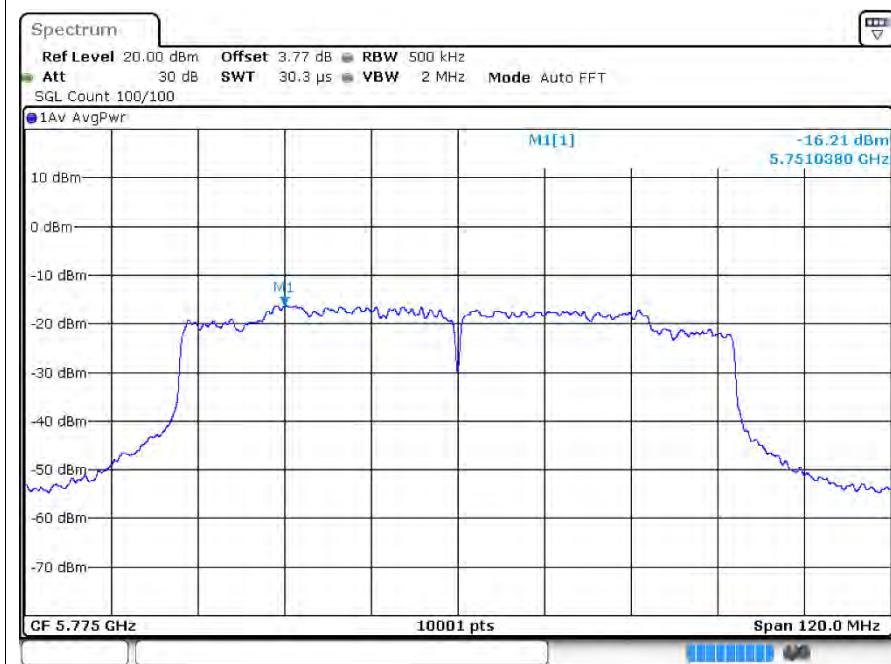


PSD ac40 5795MHz Ant2

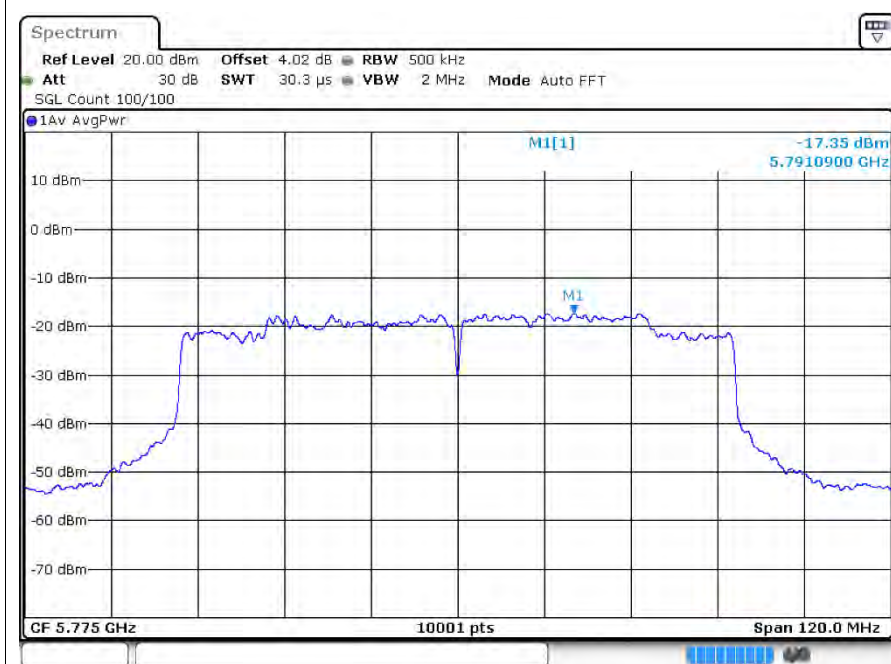




PSD ac80 5775MHz Ant1

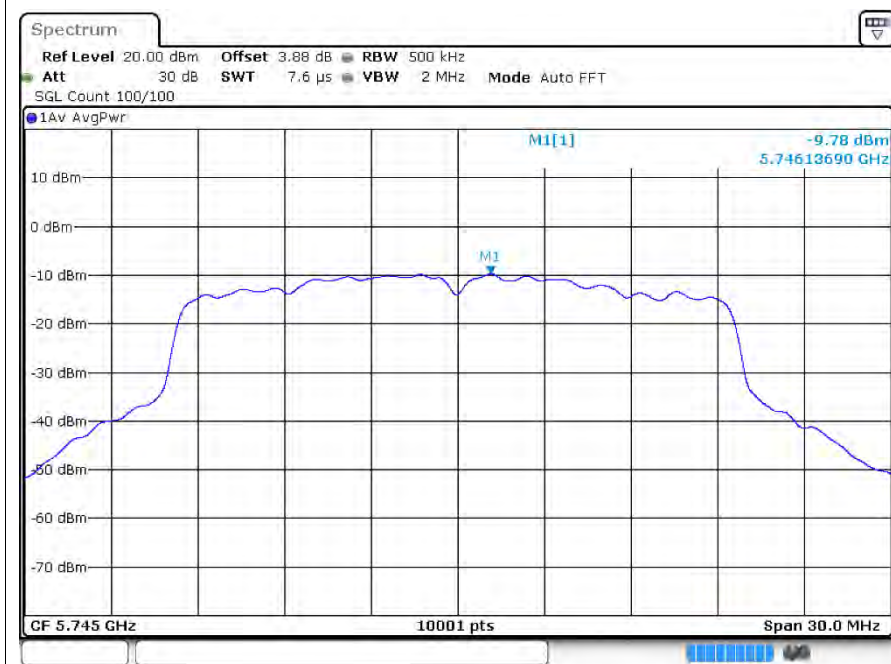


PSD ac80 5775MHz Ant2





PSD ax20 5745MHz Ant1



PSD ax20 5785MHz Ant1

