



## 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

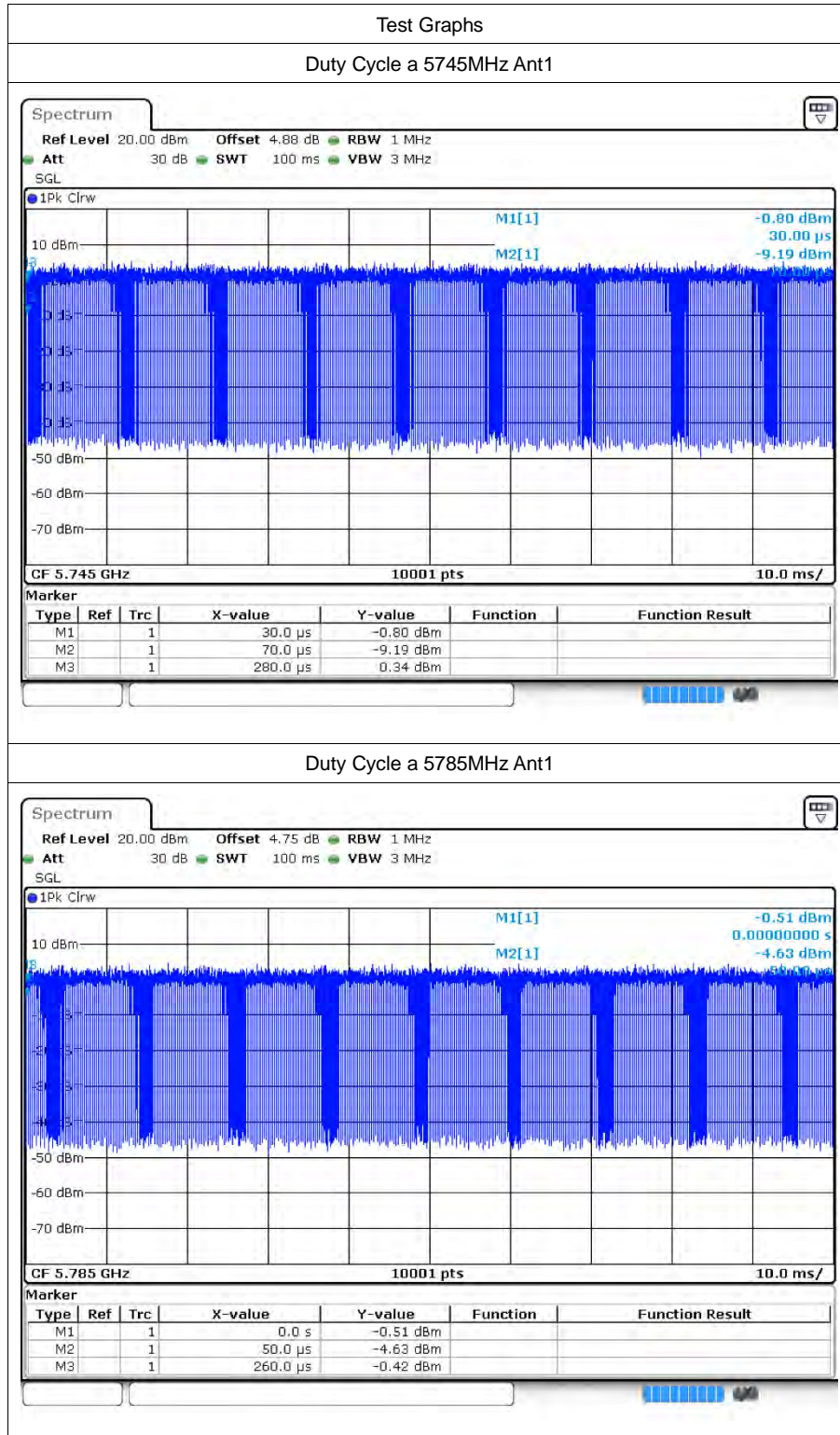
Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
a	5745	Ant1	87.02	0.6	4.76
a	5785	Ant1	86.95	0.61	4.76
a	5825	Ant1	87.05	0.6	4.76
a	5745	Ant2	86.98	0.61	4.55
a	5785	Ant2	86.94	0.61	4.76
a	5825	Ant2	86.93	0.61	4.55
n20	5745	Ant1	92.95	0.32	2.27
n20	5785	Ant1	92.9	0.32	2.22
n20	5825	Ant1	92.98	0.32	2.22
n20	5745	Ant2	92.99	0.32	2.22
n20	5785	Ant2	92.94	0.32	2.22
n20	5825	Ant2	92.99	0.32	2.27
n40	5755	Ant1	92.94	0.32	2.27
n40	5795	Ant1	92.92	0.32	2.22
n40	5755	Ant2	91.4	0.39	2.27
n40	5795	Ant2	91.78	0.37	2.22
ac20	5745	Ant1	87.22	0.59	4.55
ac20	5785	Ant1	87.18	0.6	4.35
ac20	5825	Ant1	87.11	0.6	4.55
ac20	5745	Ant2	87.16	0.6	4.55
ac20	5785	Ant2	87.19	0.6	4.55
ac20	5825	Ant2	87.17	0.6	4.35
ac40	5755	Ant1	87.31	0.59	4.35
ac40	5795	Ant1	87.23	0.59	4.35
ac40	5755	Ant2	84.59	0.73	4.55
ac40	5795	Ant2	84.94	0.71	4.55
ac80	5775	Ant1	87.43	0.58	4.35
ac80	5775	Ant2	83.4	0.79	4.55
ax20	5745	Ant1	87.08	0.6	4.35
ax20	5785	Ant1	87.05	0.6	4.35
ax20	5825	Ant1	87.06	0.6	4.35
ax20	5745	Ant2	87.14	0.6	4.55
ax20	5785	Ant2	86.97	0.61	4.35
ax20	5825	Ant2	87.15	0.6	4.35
ax40	5755	Ant1	87.6	0.57	4.17
ax40	5795	Ant1	87.6	0.57	4.17
ax40	5755	Ant2	84.74	0.72	4.35

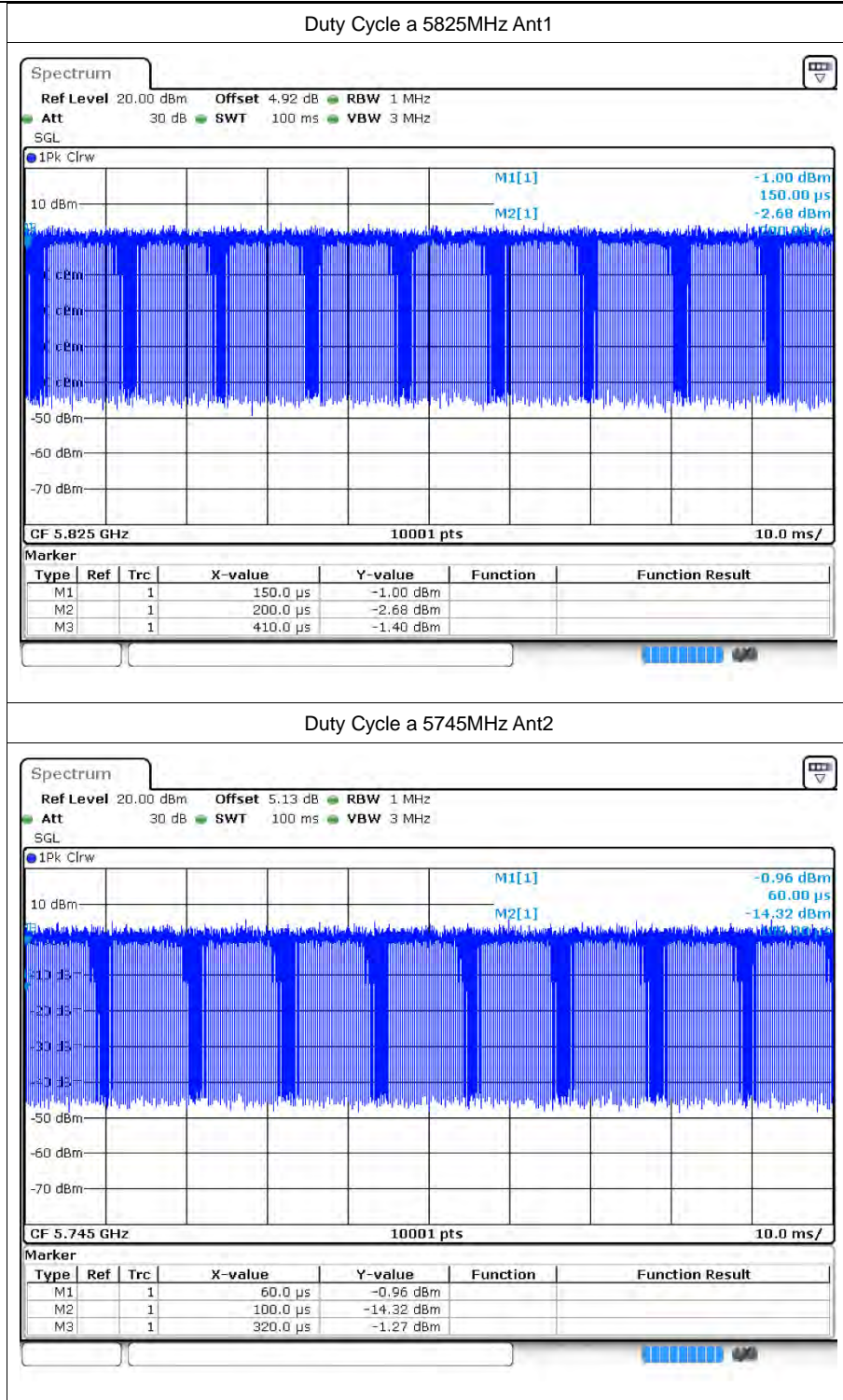


ax40	5795	Ant2	84.77	0.72	4.17
ax80	5775	Ant1	86.8	0.61	4.35
ax80	5775	Ant2	80.27	0.95	4.76



## 1.2 Test Graphs





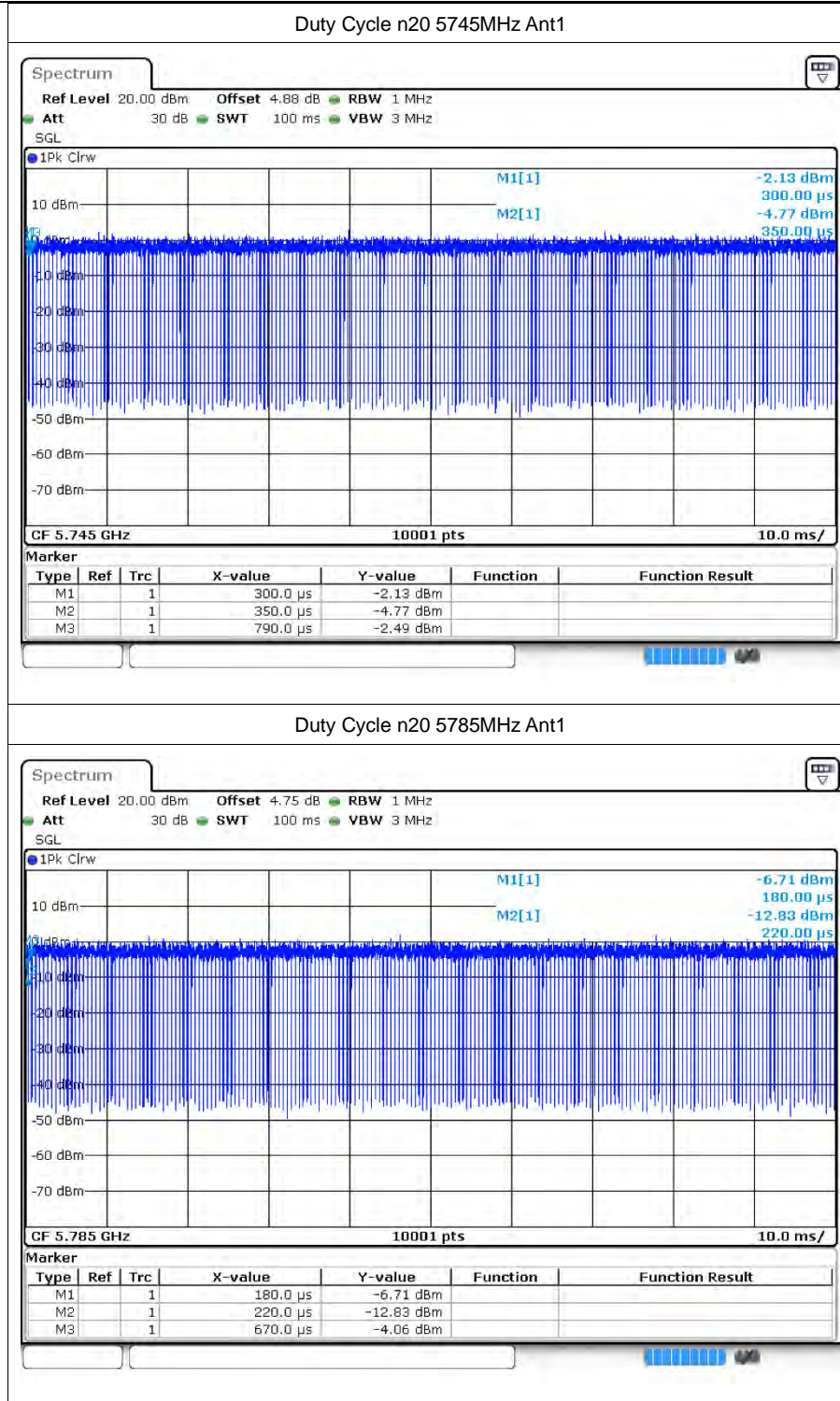
Duty Cycle a 5785MHz Ant2



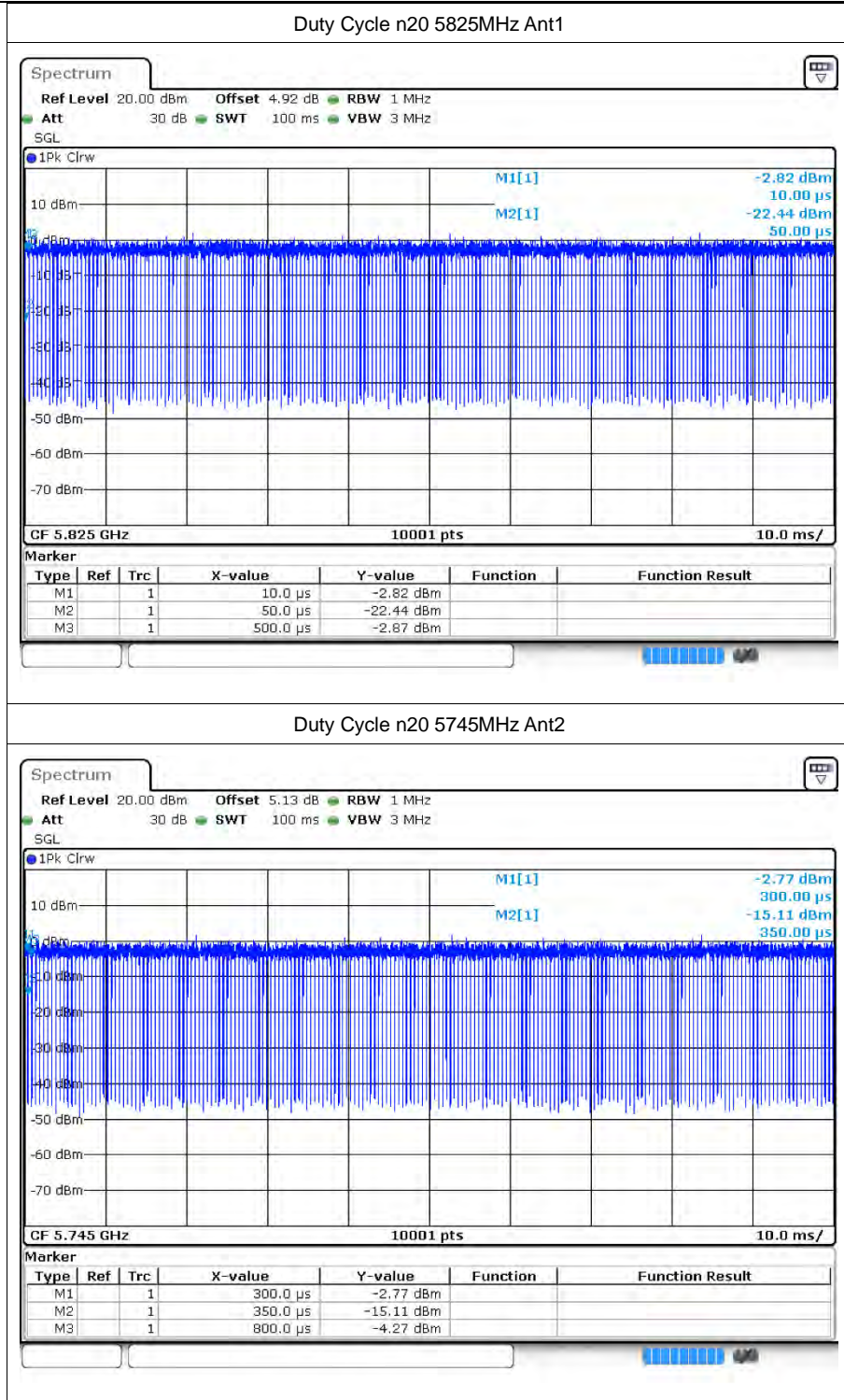
Duty Cycle a 5825MHz Ant2

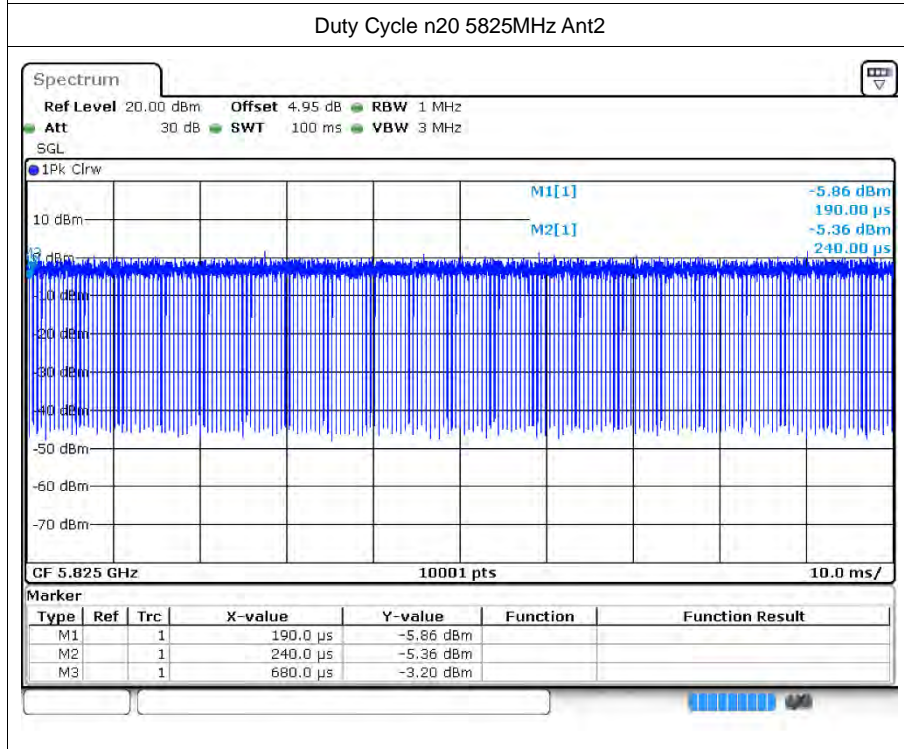
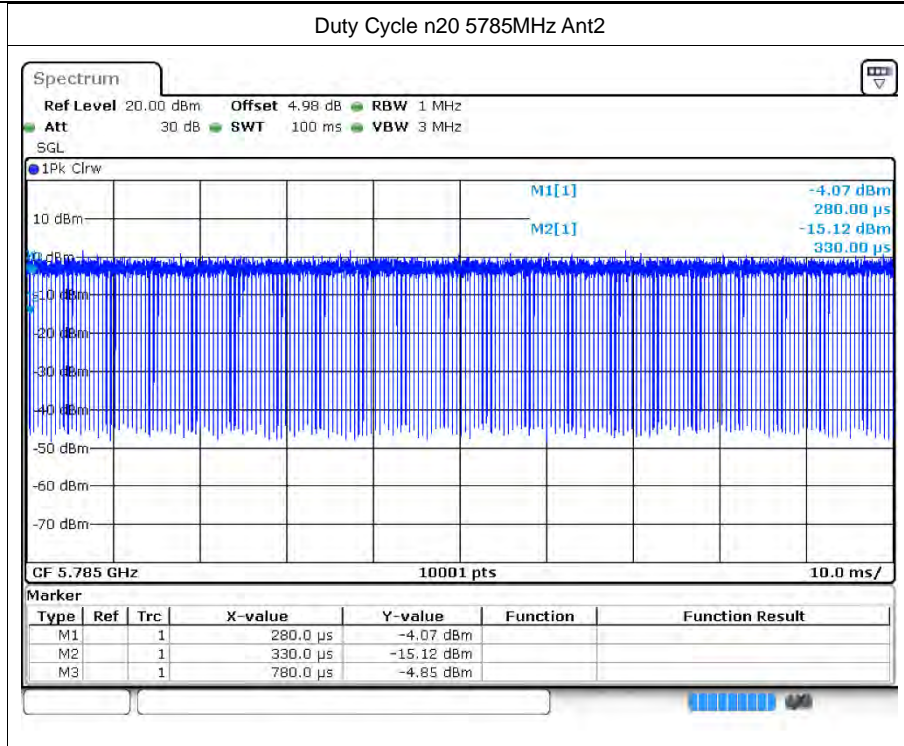


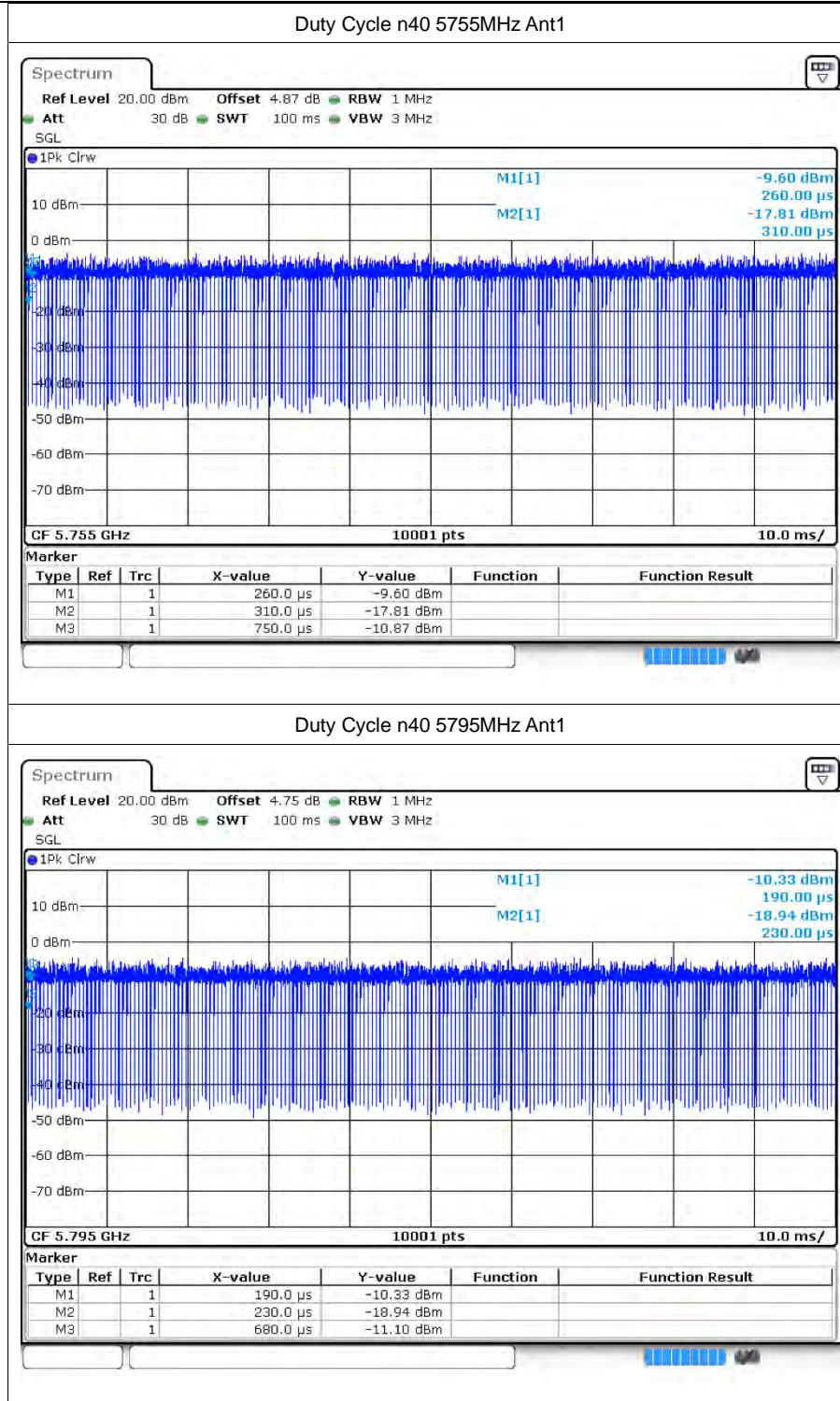




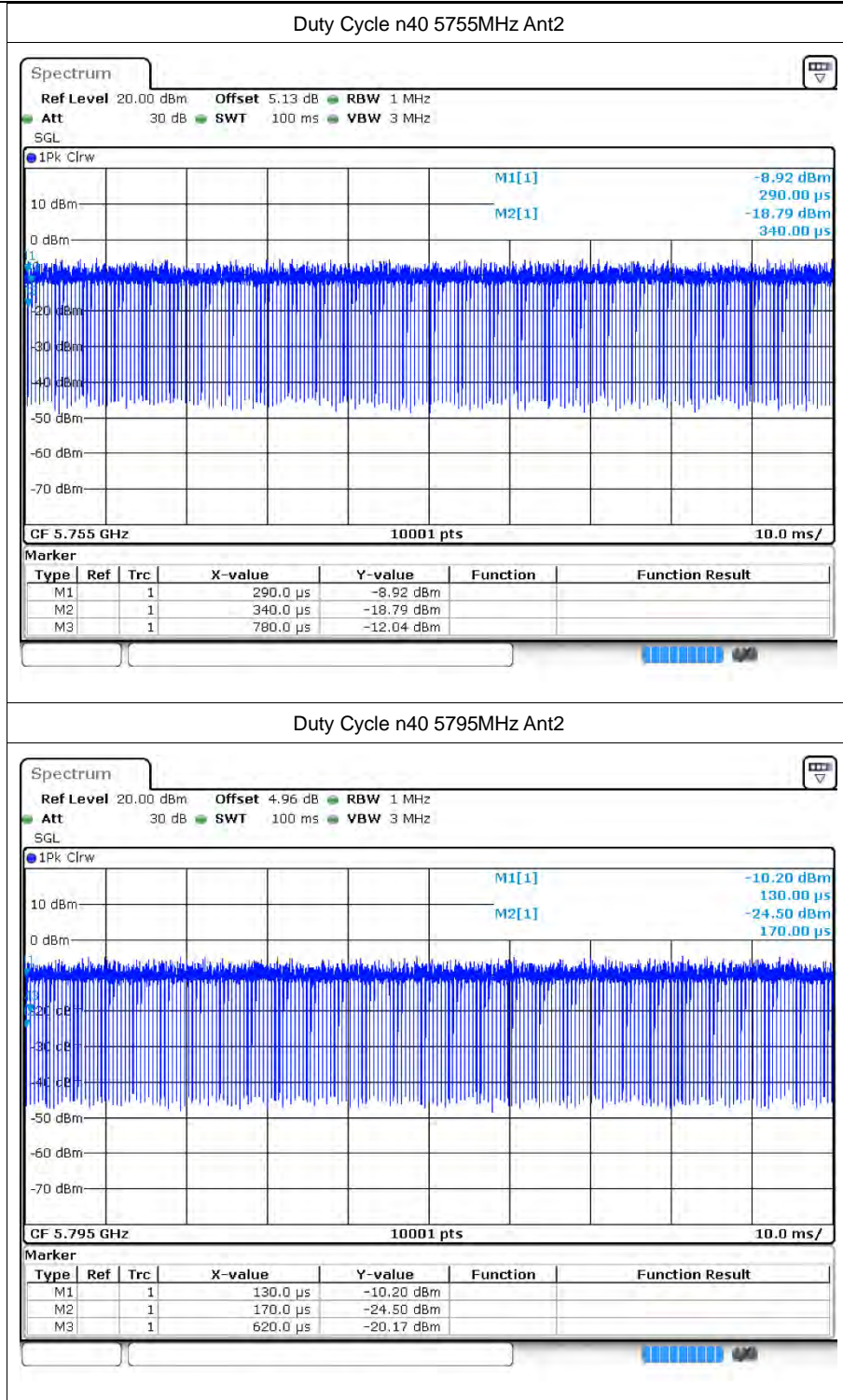


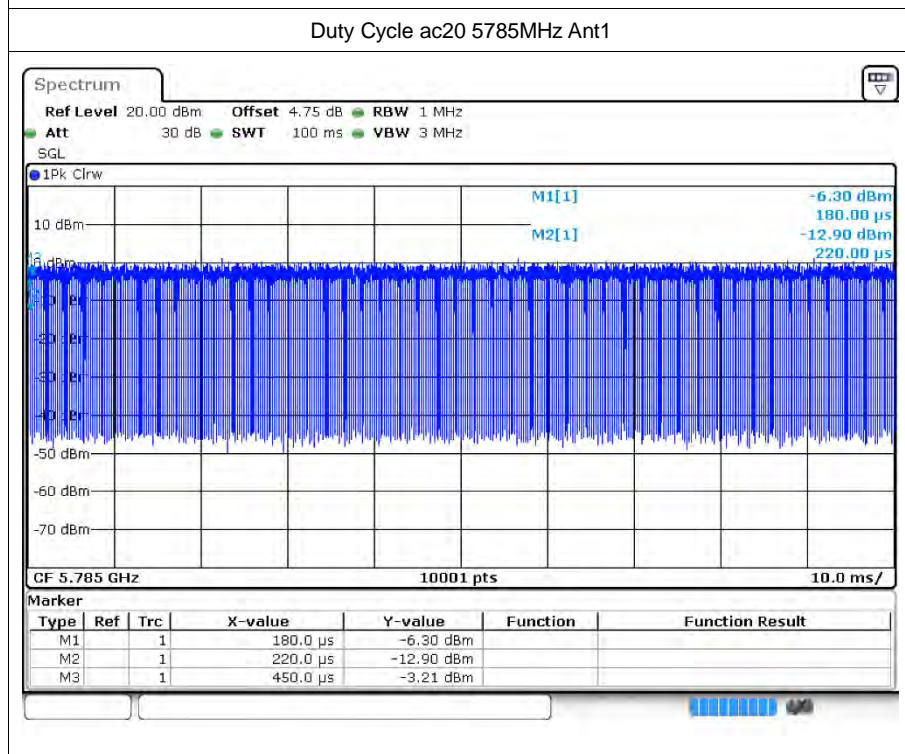
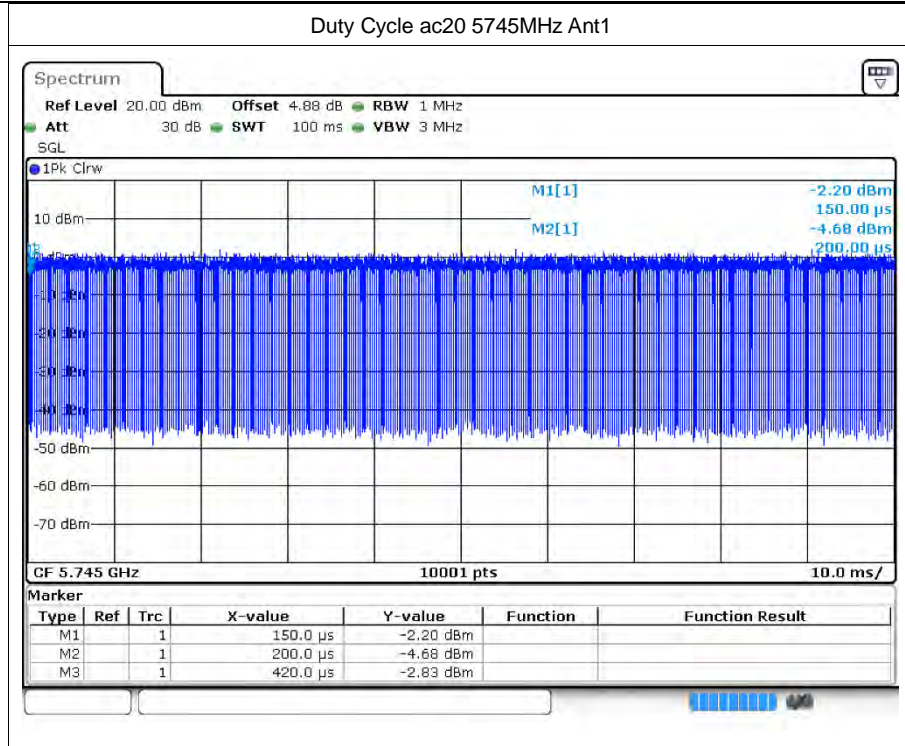


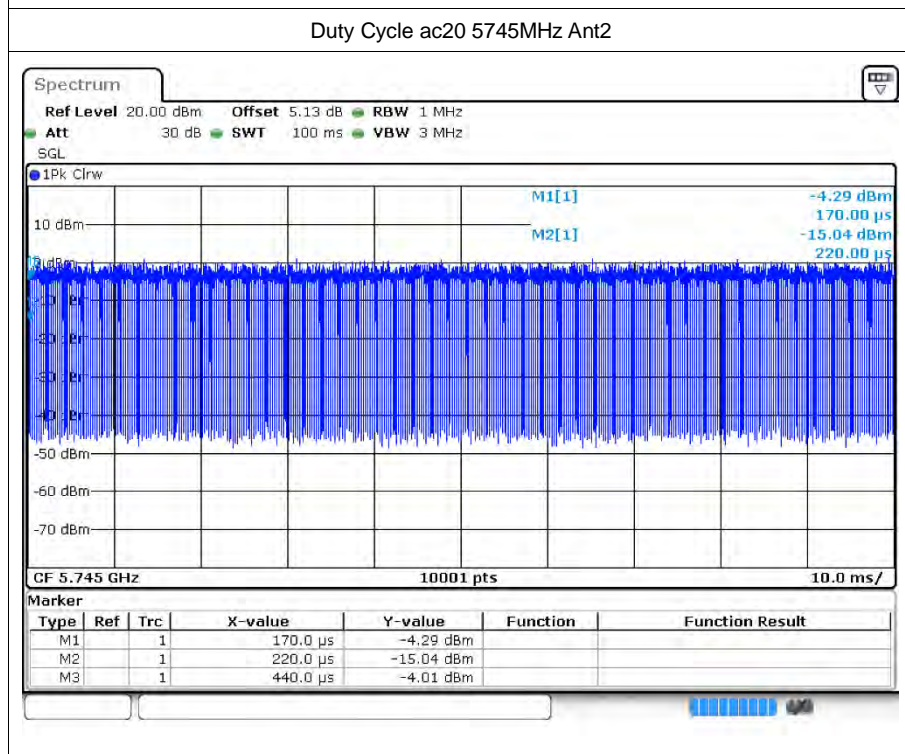
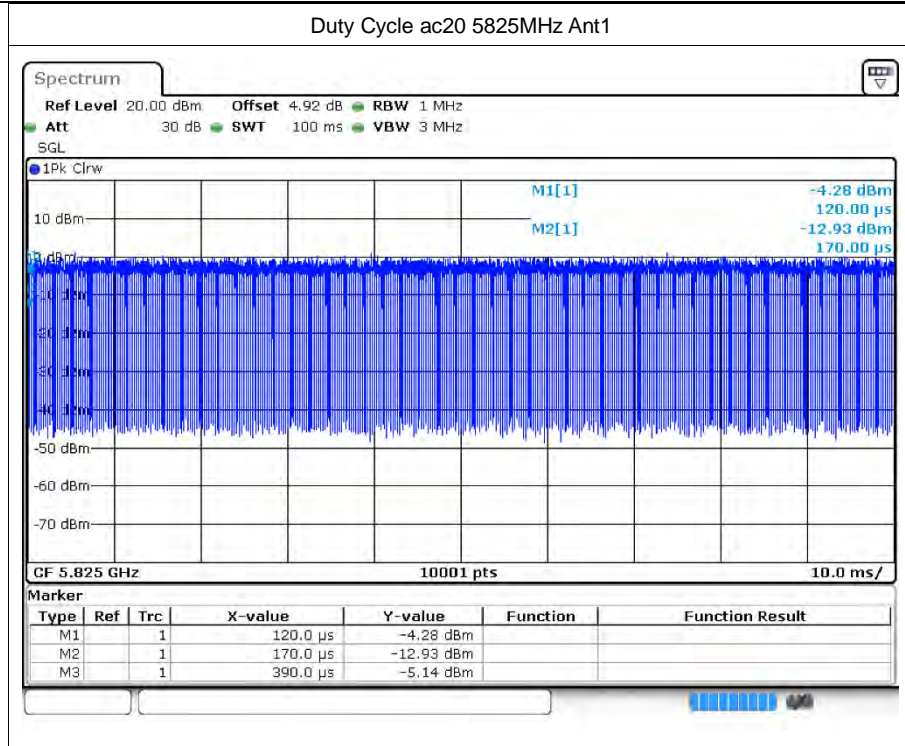




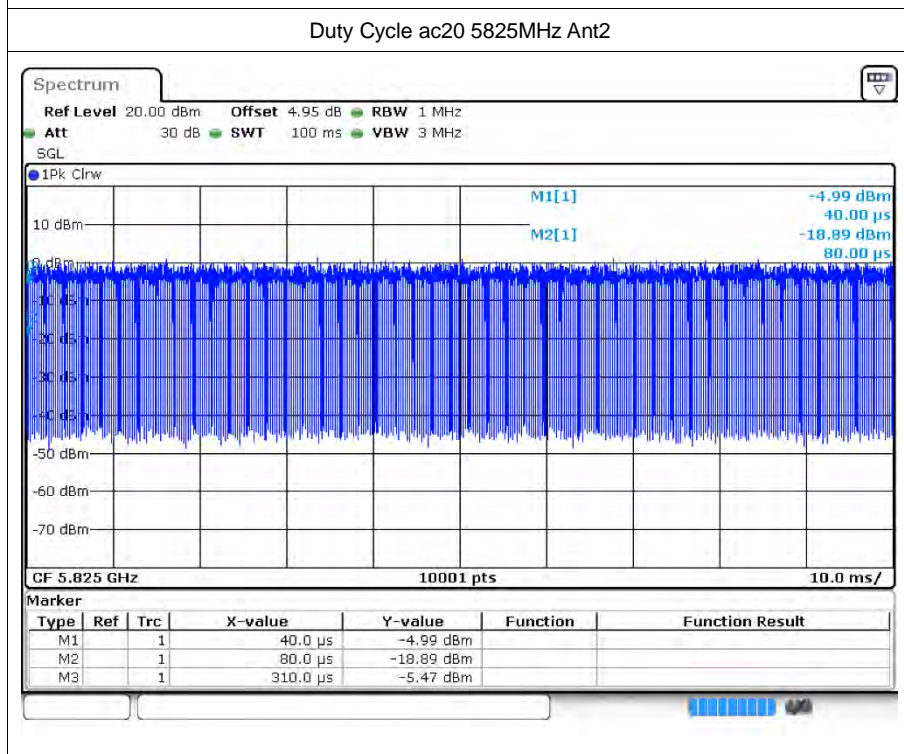
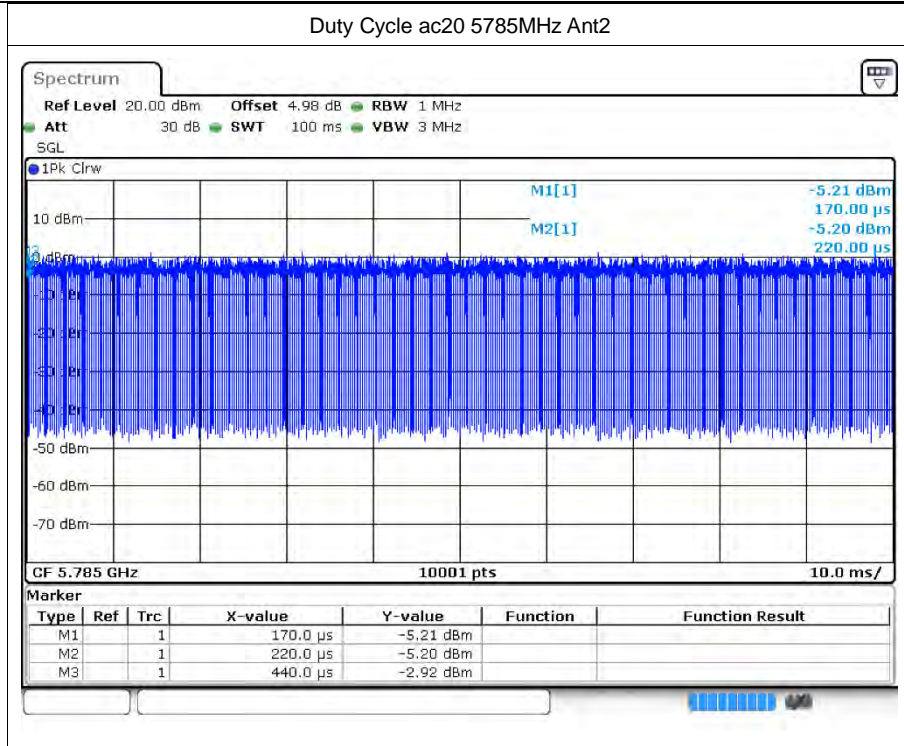


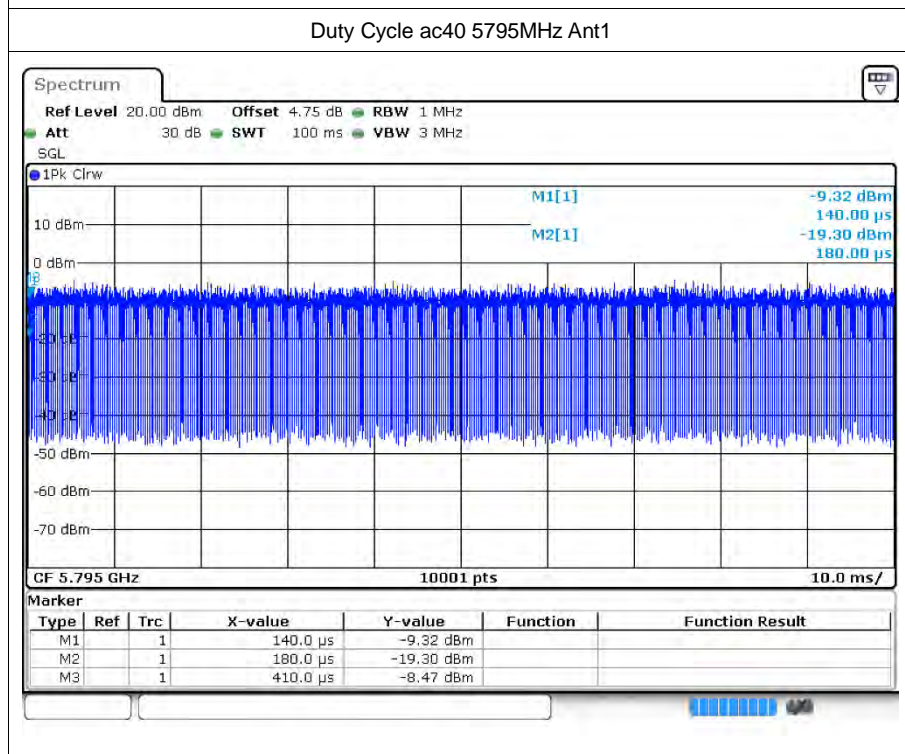
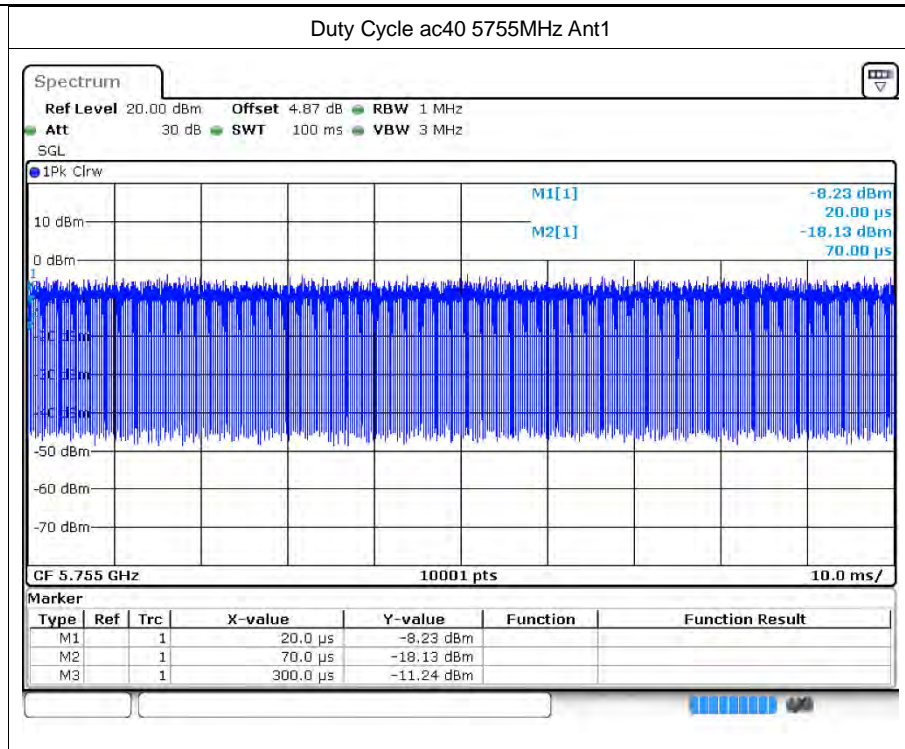


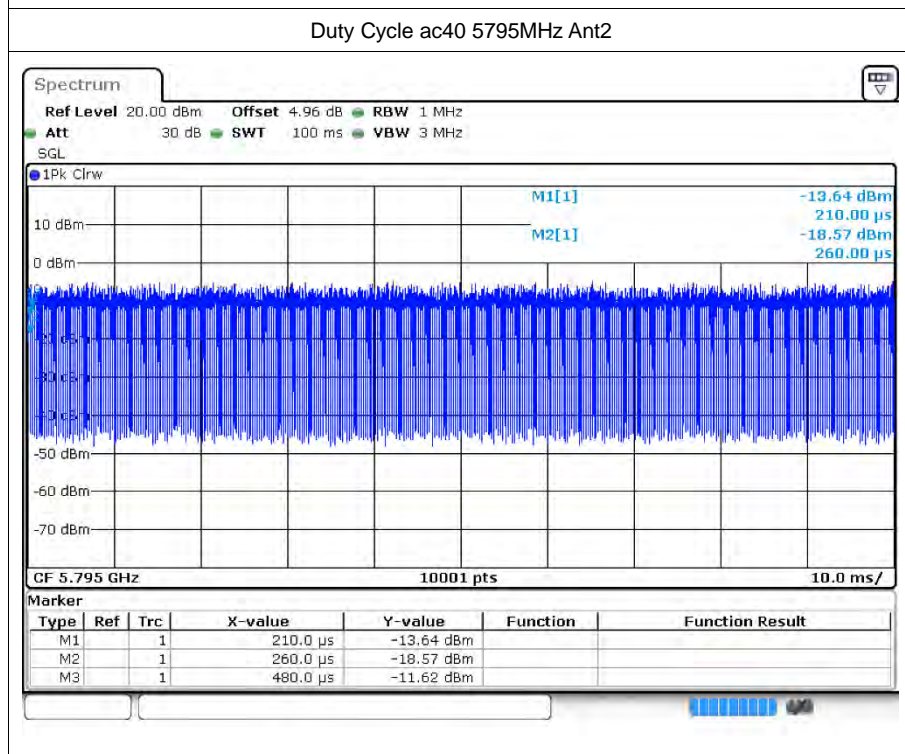
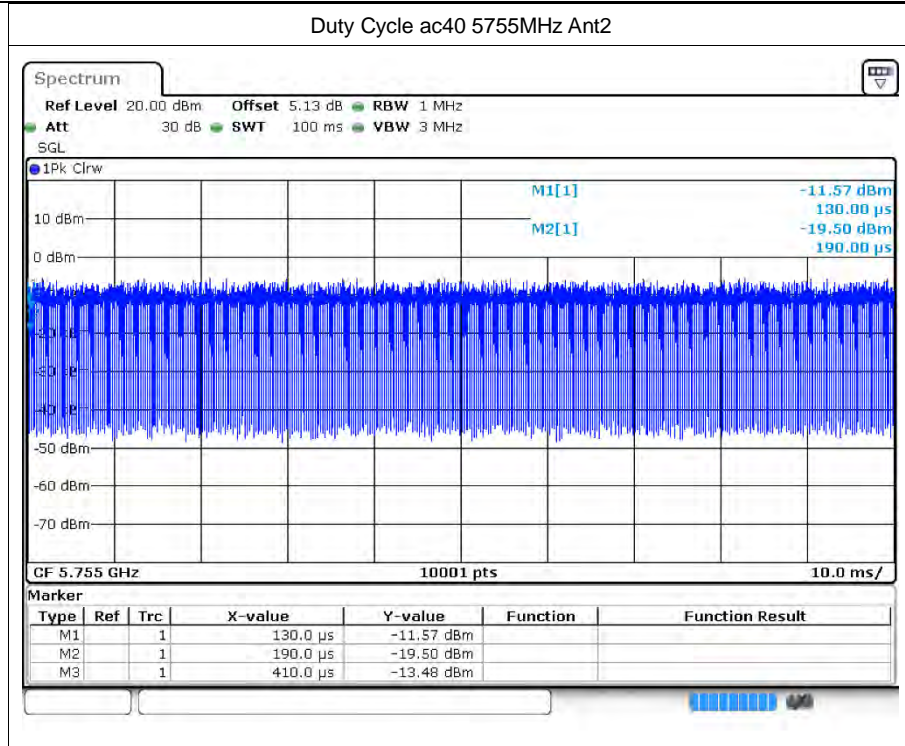




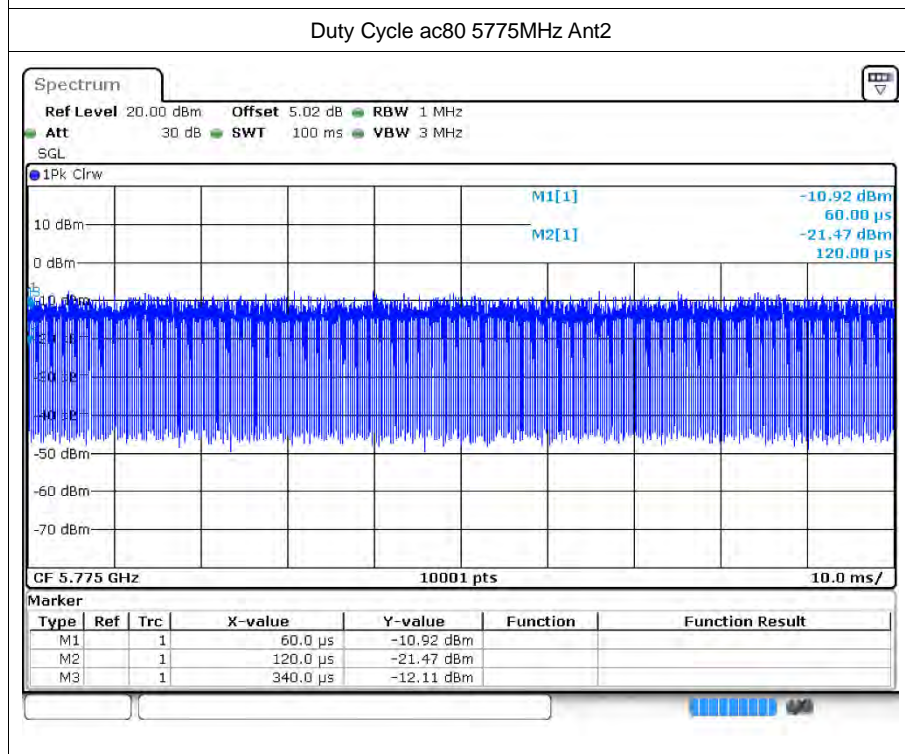
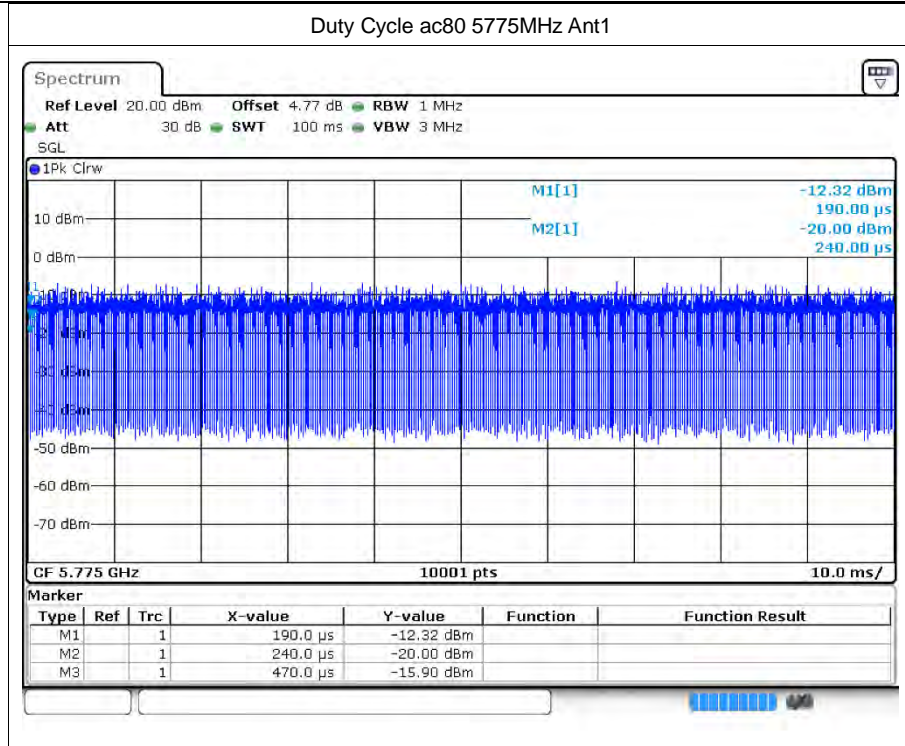


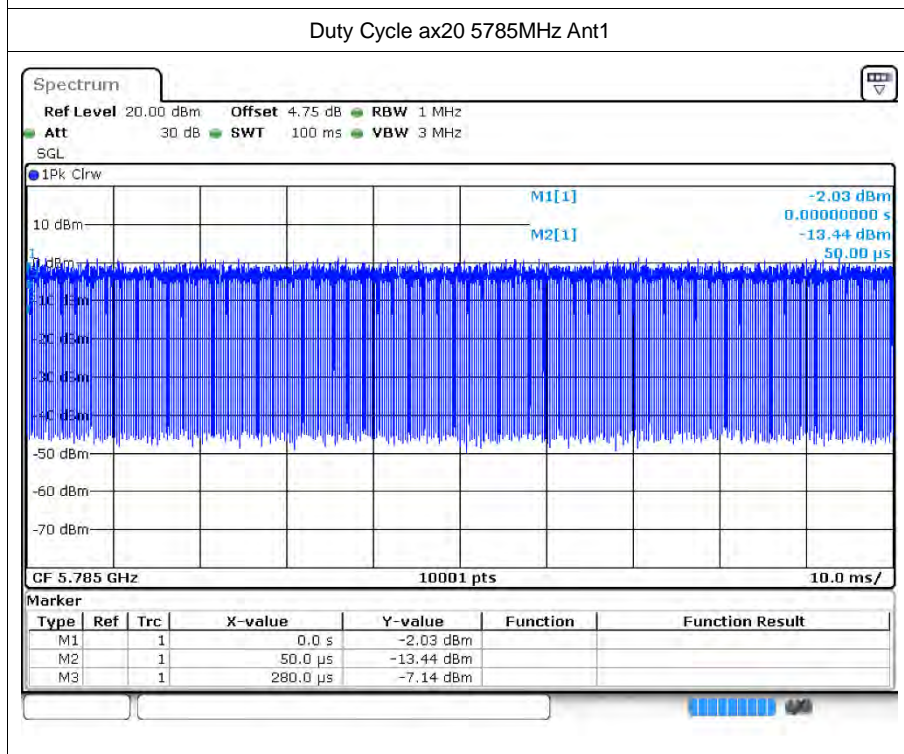
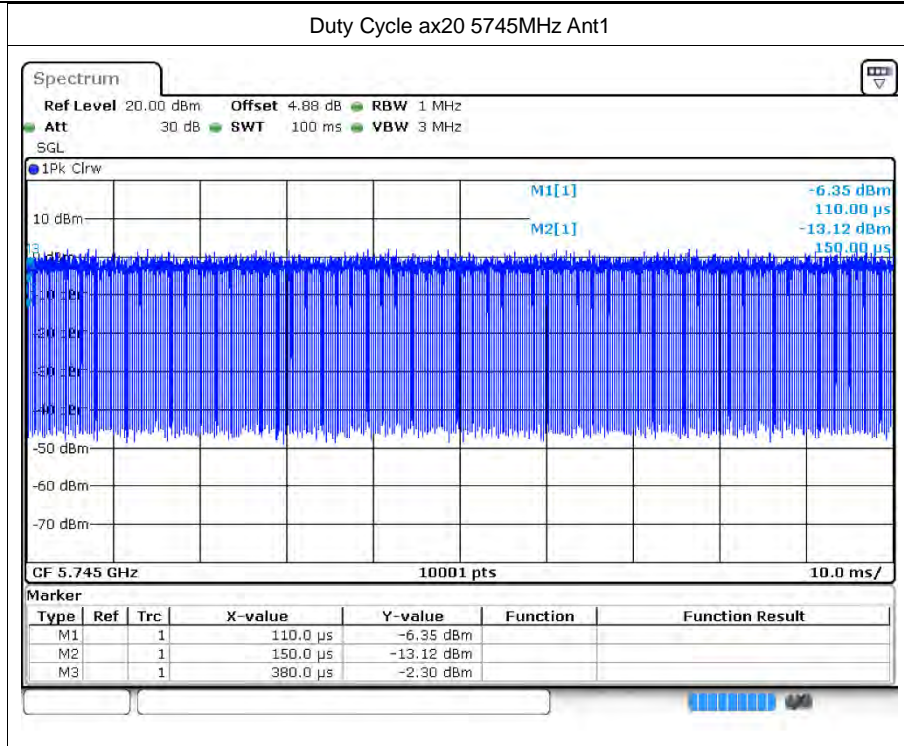


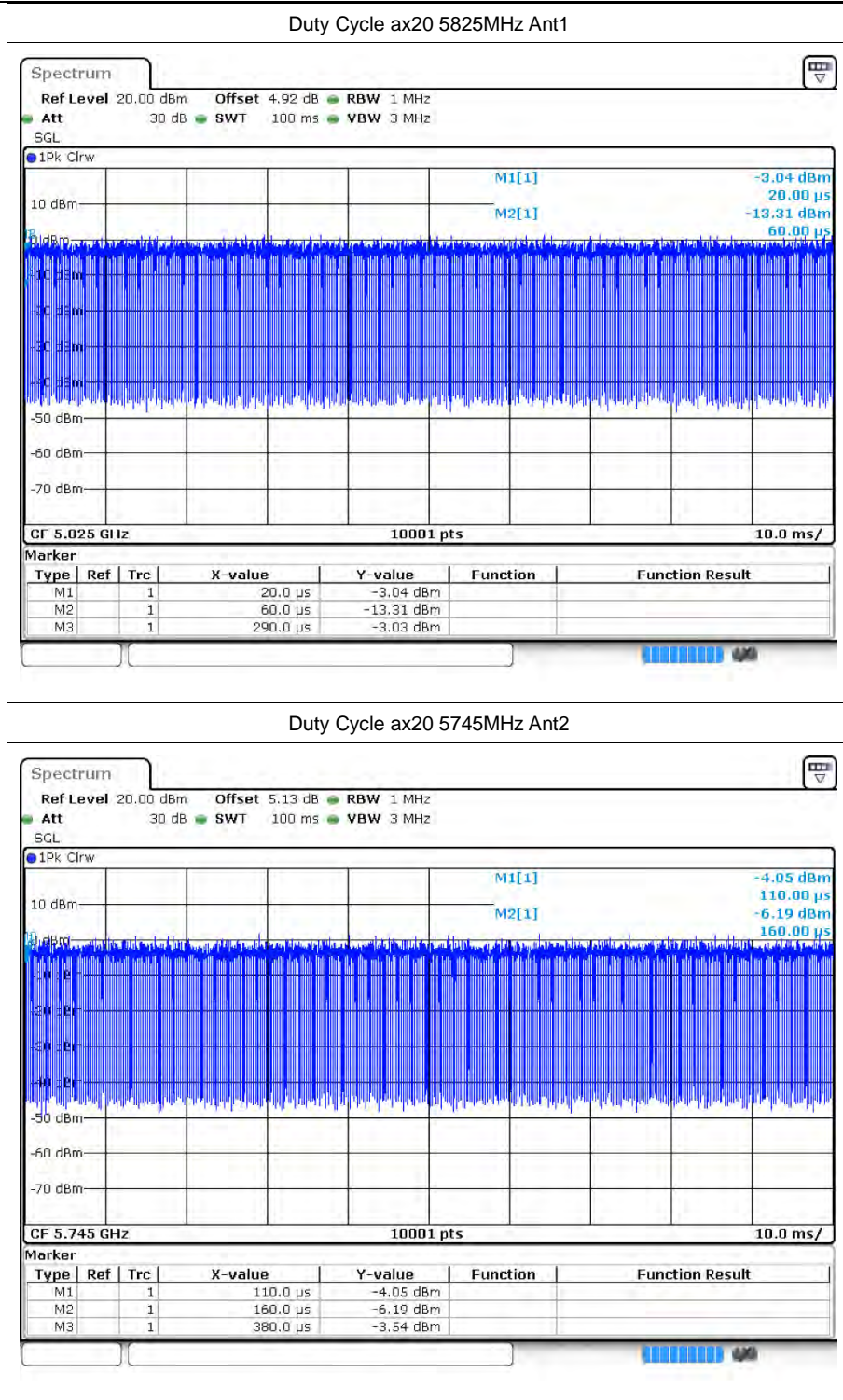




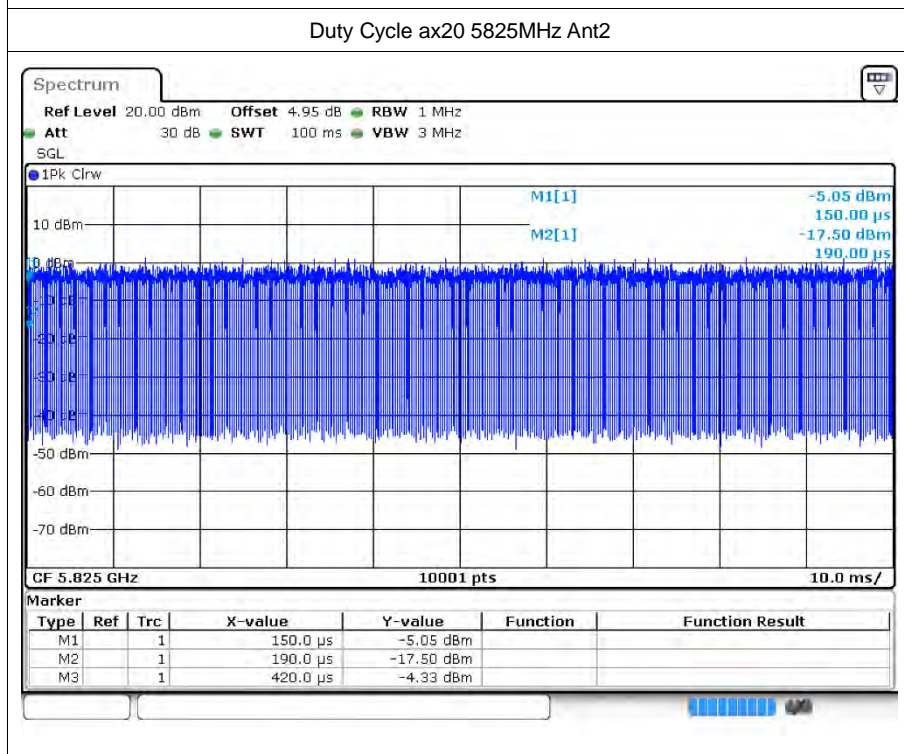
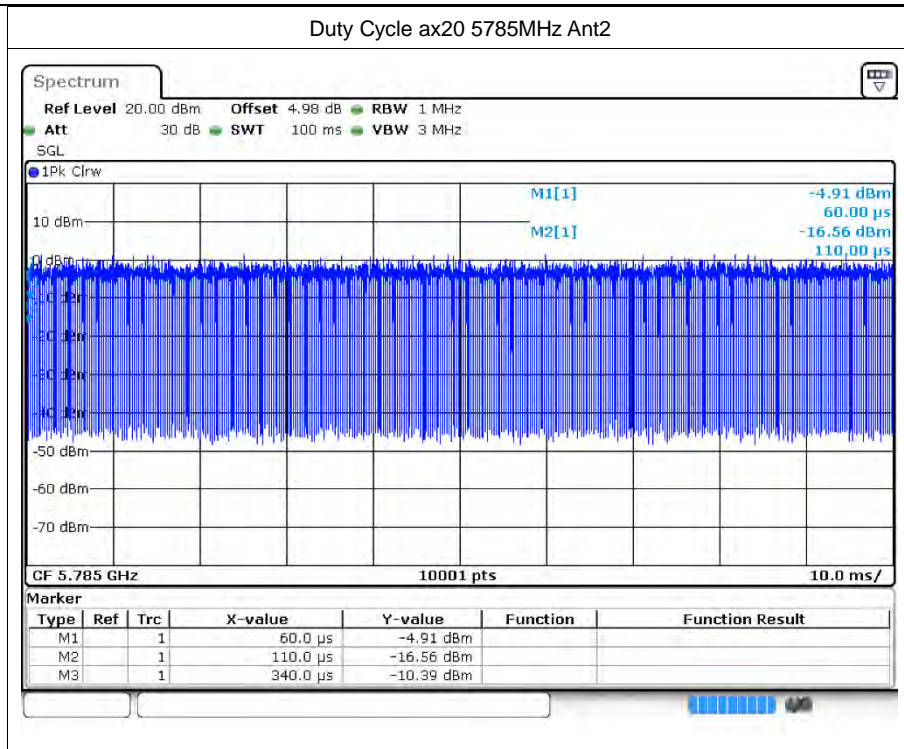


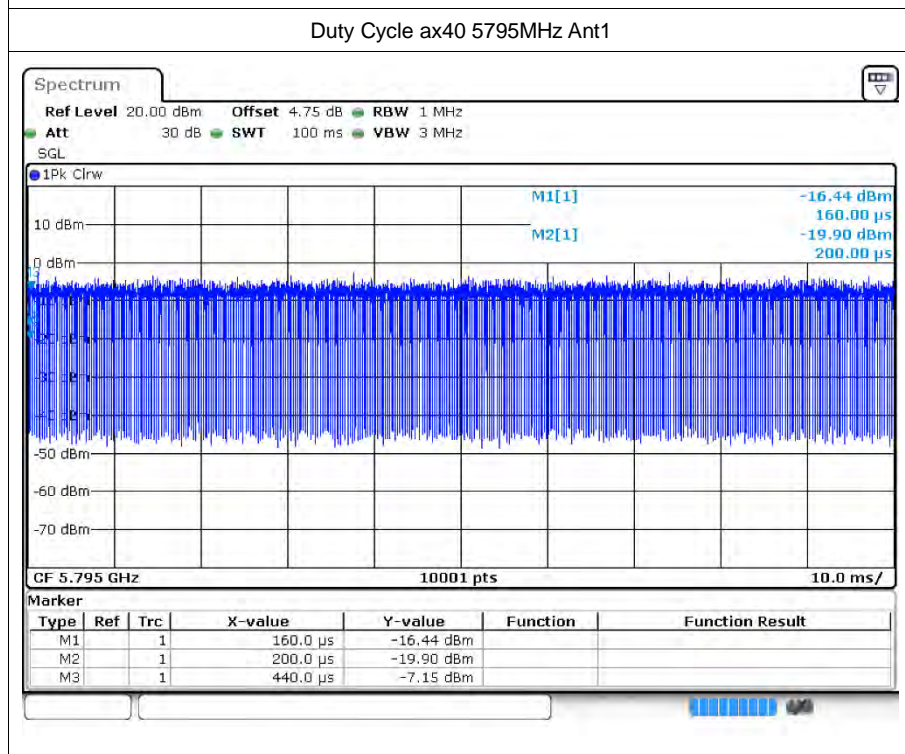
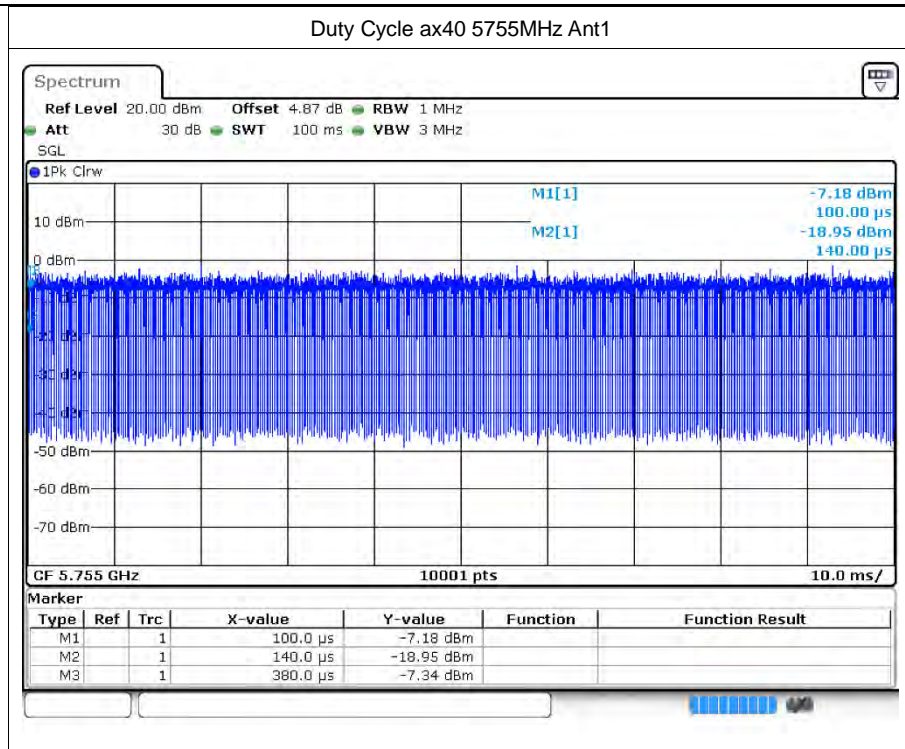


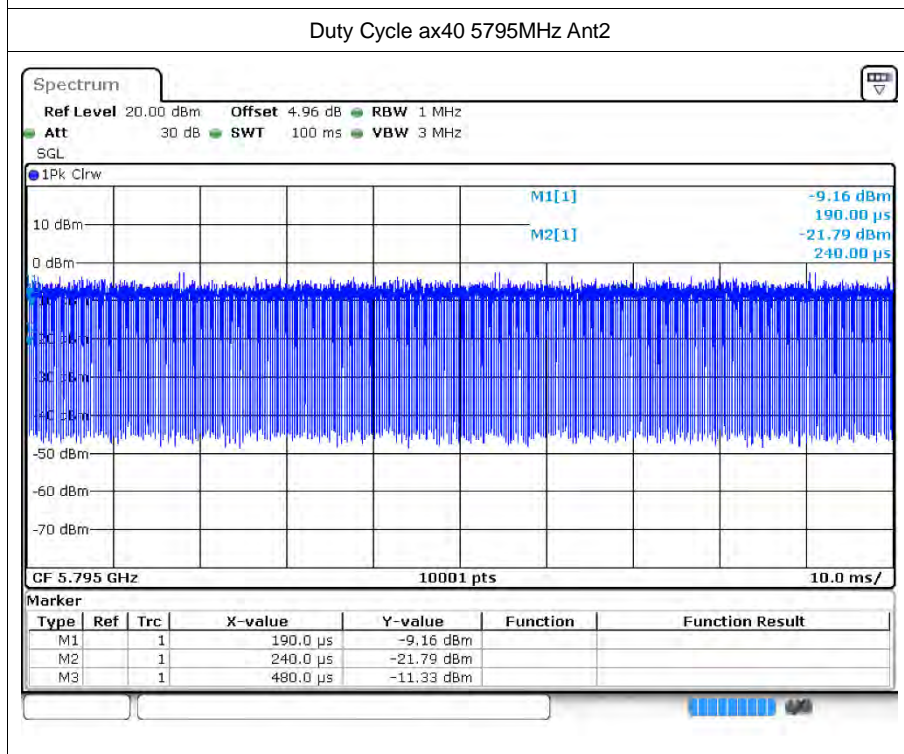
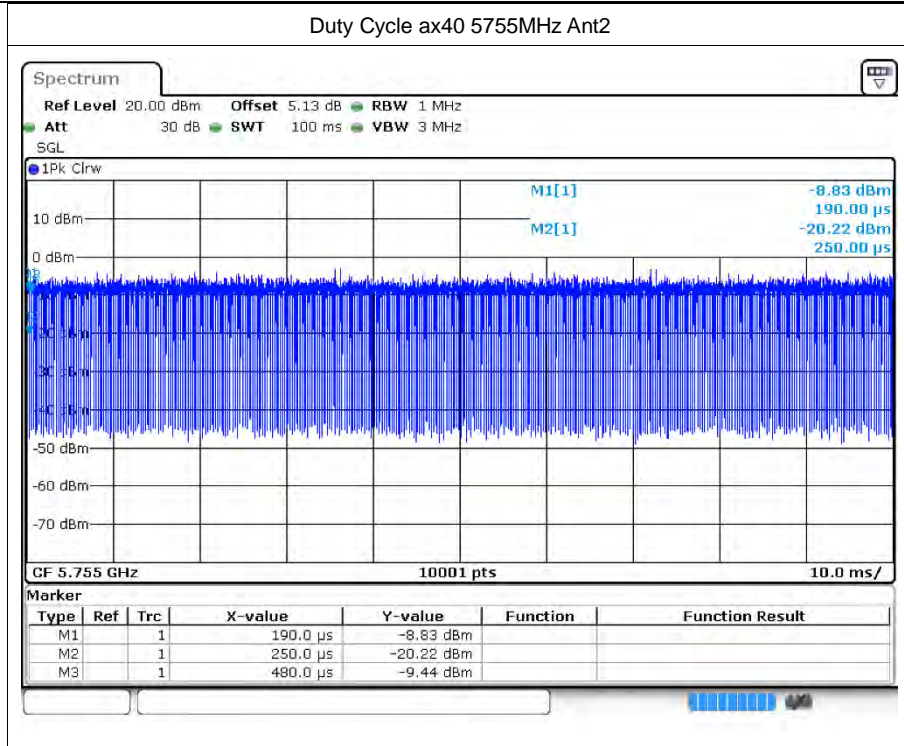














## 2 Maximum Conducted Output Power

### 2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
a	5745	Ant1	11.76	30	Pass
a	5785	Ant1	10.83	30	Pass
a	5825	Ant1	10.87	30	Pass
a	5745	Ant2	11.49	30	Pass
a	5785	Ant2	11.4	30	Pass
a	5825	Ant2	11.47	30	Pass
n20	5745	Ant1	8.77	30	Pass
n20	5745	Ant2	7.75	30	Pass
n20	5745	Sum	11.3	30	Pass
n20	5785	Ant1	7.95	30	Pass
n20	5785	Ant2	7.72	30	Pass
n20	5785	Sum	10.85	30	Pass
n20	5825	Ant1	7.96	30	Pass
n20	5825	Ant2	7.59	30	Pass
n20	5825	Sum	10.79	30	Pass
n40	5755	Ant1	8.57	30	Pass
n40	5755	Ant2	7.16	30	Pass
n40	5755	Sum	10.93	30	Pass
n40	5795	Ant1	7.63	30	Pass
n40	5795	Ant2	7.52	30	Pass
n40	5795	Sum	10.59	30	Pass
ac20	5745	Ant1	8.67	30	Pass
ac20	5745	Ant2	8.02	30	Pass
ac20	5745	Sum	11.37	30	Pass
ac20	5785	Ant1	7.88	30	Pass
ac20	5785	Ant2	8.05	30	Pass
ac20	5785	Sum	10.98	30	Pass
ac20	5825	Ant1	7.94	30	Pass
ac20	5825	Ant2	7.83	30	Pass
ac20	5825	Sum	10.9	30	Pass
ac40	5755	Ant1	8.39	30	Pass
ac40	5755	Ant2	7.49	30	Pass
ac40	5755	Sum	10.97	30	Pass
ac40	5795	Ant1	7.49	30	Pass
ac40	5795	Ant2	7.72	30	Pass
ac40	5795	Sum	10.62	30	Pass



ac80	5775	Ant1	7.87	30	Pass
ac80	5775	Ant2	7.43	30	Pass
ac80	5775	Sum	10.67	30	Pass
ax20	5745	Ant1	8.65	30	Pass
ax20	5745	Ant2	7.66	30	Pass
ax20	5745	Sum	11.19	30	Pass
ax20	5785	Ant1	7.94	30	Pass
ax20	5785	Ant2	7.66	30	Pass
ax20	5785	Sum	10.81	30	Pass
ax20	5825	Ant1	8.02	30	Pass
ax20	5825	Ant2	7.61	30	Pass
ax20	5825	Sum	10.83	30	Pass
ax40	5755	Ant1	8.46	30	Pass
ax40	5755	Ant2	7.09	30	Pass
ax40	5755	Sum	10.84	30	Pass
ax40	5795	Ant1	7.58	30	Pass
ax40	5795	Ant2	7.26	30	Pass
ax40	5795	Sum	10.43	30	Pass
ax80	5775	Ant1	7.99	30	Pass
ax80	5775	Ant2	7.08	30	Pass
ax80	5775	Sum	10.57	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	15.114	0.5	Pass
a	5785	Ant1	15.093	0.5	Pass
a	5825	Ant1	15.108	0.5	Pass
n20	5745	Ant1	15.072	0.5	Pass
n20	5785	Ant1	15.117	0.5	Pass
n20	5825	Ant1	15.105	0.5	Pass
n40	5755	Ant1	35.052	0.5	Pass
n40	5795	Ant1	31.35	0.5	Pass
ac20	5745	Ant1	15.072	0.5	Pass
ac20	5785	Ant1	15.111	0.5	Pass
ac20	5825	Ant1	15.021	0.5	Pass
ac40	5755	Ant1	35.094	0.5	Pass
ac40	5795	Ant1	35.13	0.5	Pass
ac80	5775	Ant1	62.556	0.5	Pass
ax20	5745	Ant1	15.108	0.5	Pass
ax20	5785	Ant1	15.081	0.5	Pass
ax20	5825	Ant1	15.105	0.5	Pass
ax40	5755	Ant1	33.798	0.5	Pass
ax40	5795	Ant1	35.07	0.5	Pass
ax80	5775	Ant1	62.532	0.5	Pass
a	5745	Ant2	15.093	0.5	Pass
a	5785	Ant2	15.108	0.5	Pass
a	5825	Ant2	15.111	0.5	Pass
n20	5745	Ant2	15.336	0.5	Pass
n20	5785	Ant2	12.948	0.5	Pass
n20	5825	Ant2	15.114	0.5	Pass
n40	5755	Ant2	31.566	0.5	Pass
n40	5795	Ant2	35.04	0.5	Pass
ac20	5745	Ant2	15.114	0.5	Pass
ac20	5785	Ant2	15.087	0.5	Pass
ac20	5825	Ant2	15.111	0.5	Pass
ac40	5755	Ant2	35.07	0.5	Pass
ac40	5795	Ant2	35.064	0.5	Pass
ac80	5775	Ant2	75.036	0.5	Pass
ax20	5745	Ant2	16.419	0.5	Pass
ax20	5785	Ant2	15.105	0.5	Pass
ax20	5825	Ant2	15.111	0.5	Pass

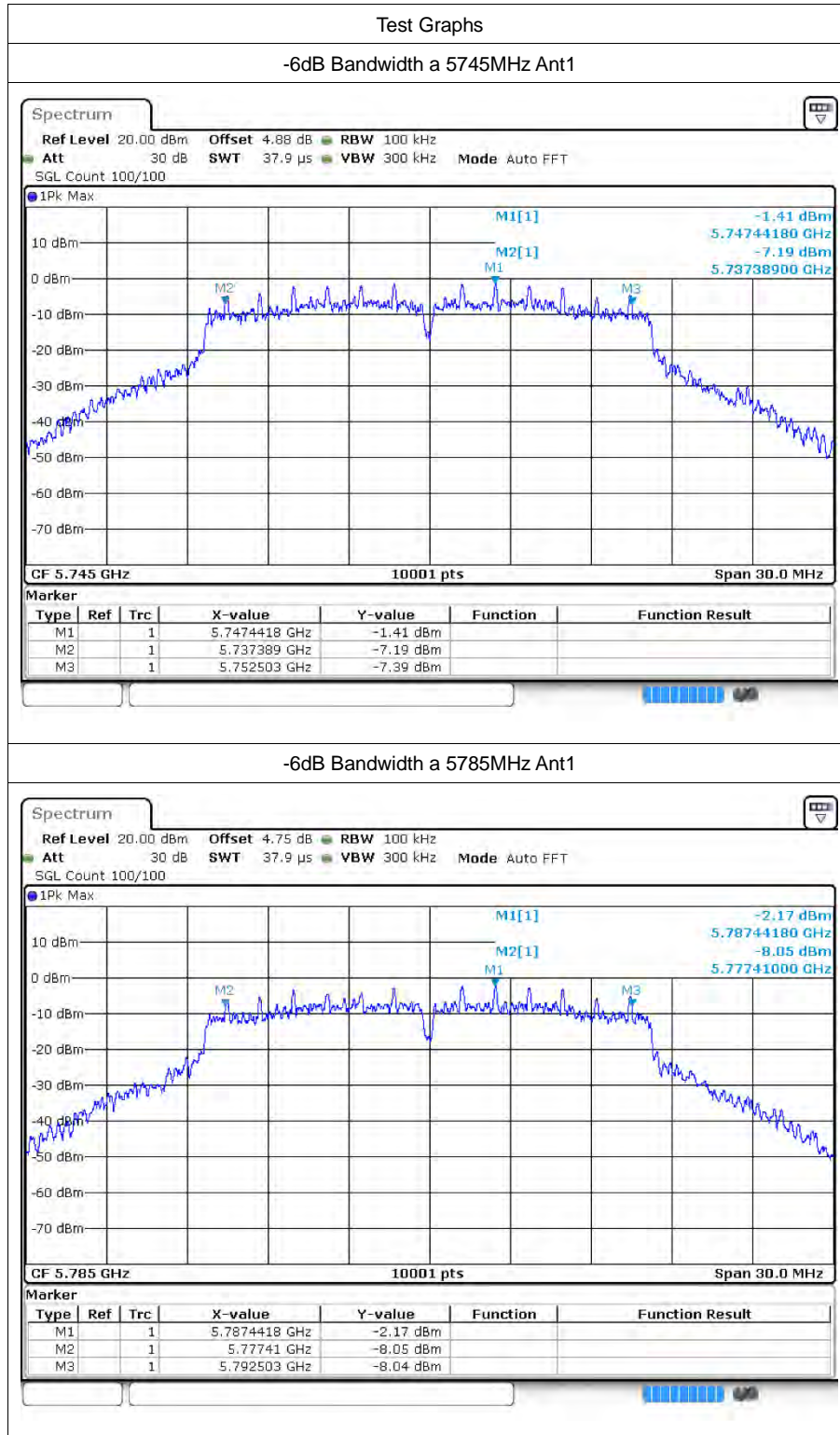




ax40	5755	Ant2	35.112	0.5	Pass
ax40	5795	Ant2	33.792	0.5	Pass
ax80	5775	Ant2	63.78	0.5	Pass

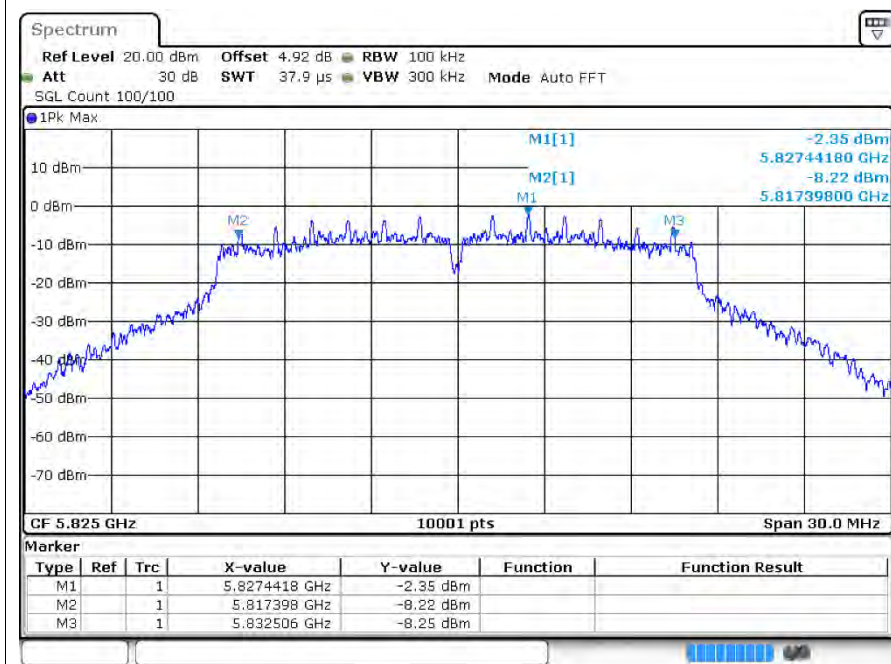


### 3.2 Test Graphs

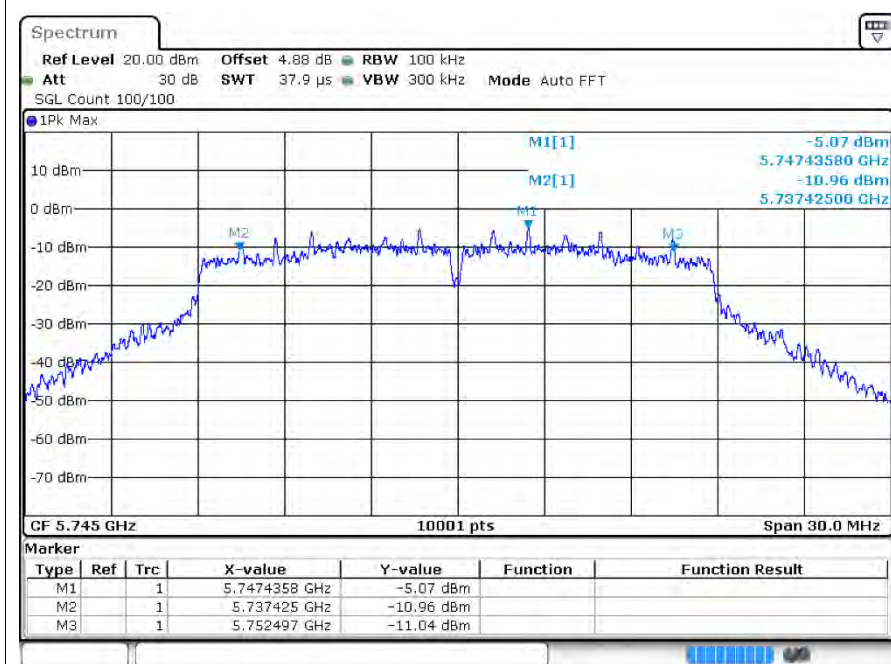




-6dB Bandwidth a 5825MHz Ant1

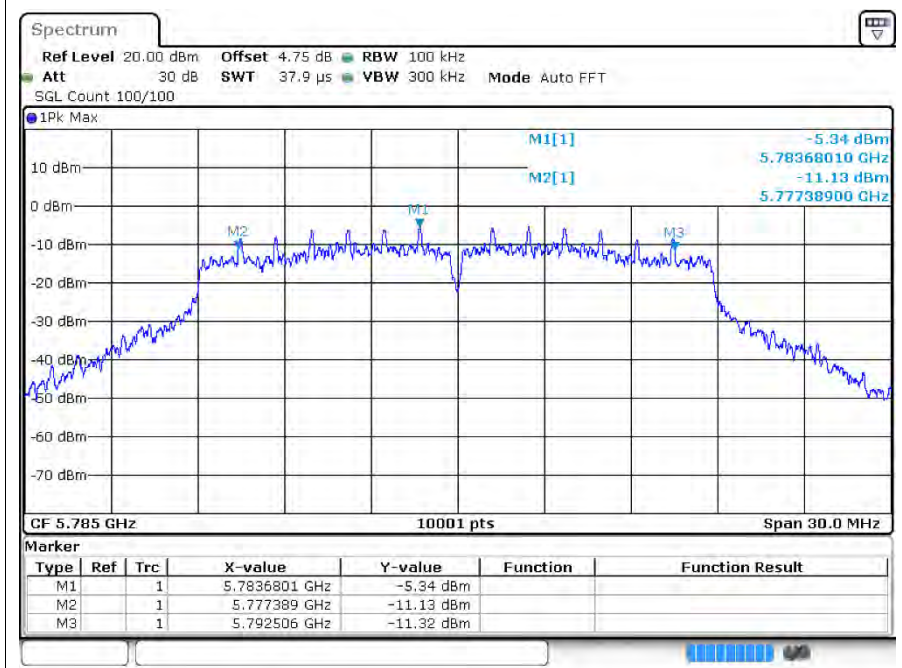


-6dB Bandwidth n20 5745MHz Ant1

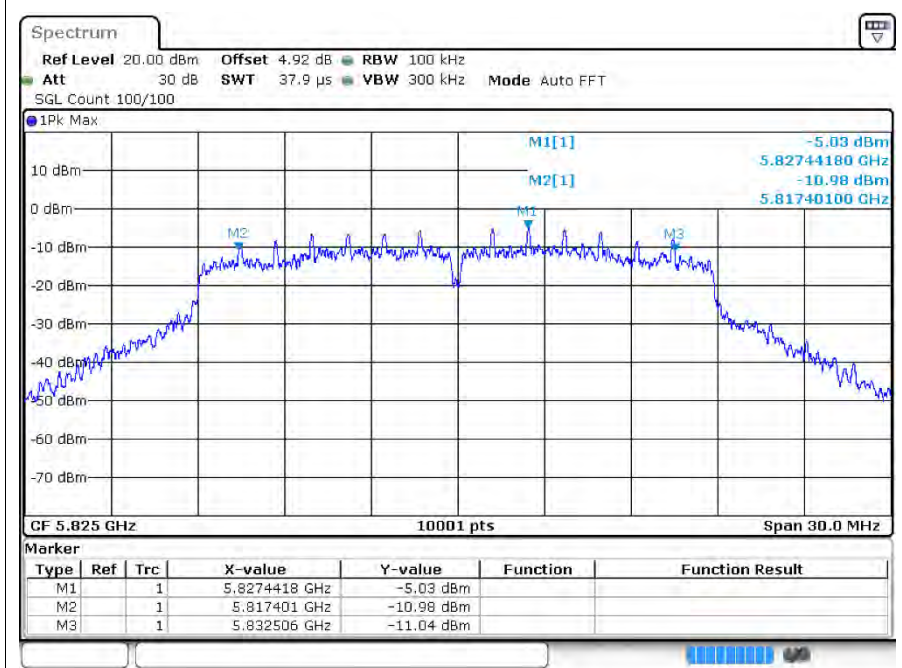




-6dB Bandwidth n20 5785MHz Ant1

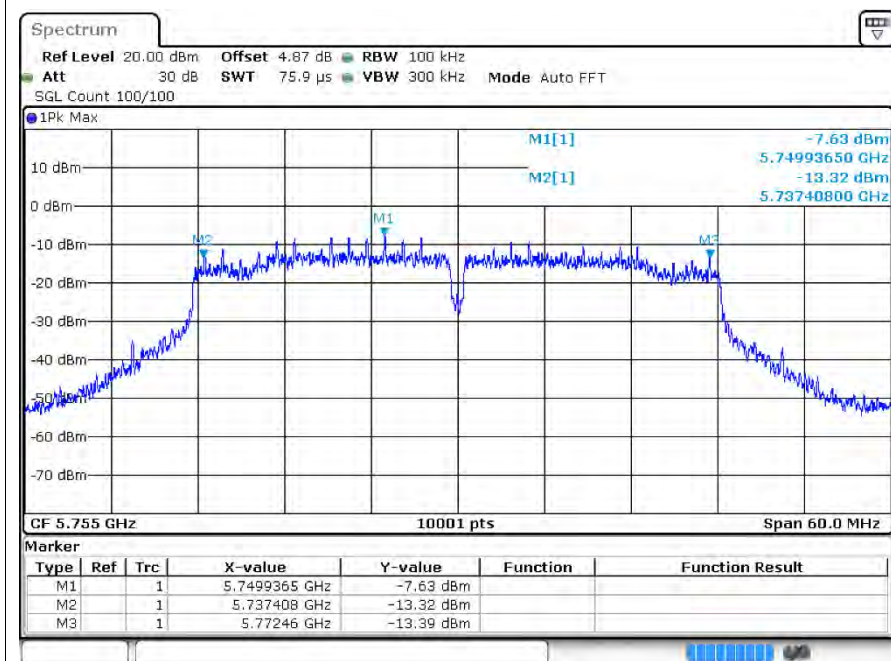


-6dB Bandwidth n20 5825MHz Ant1

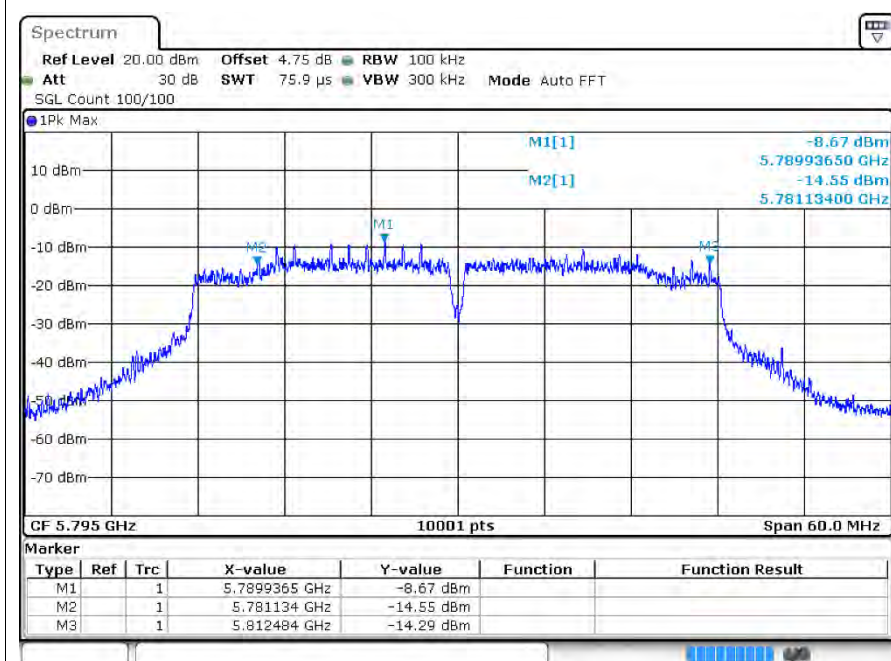




-6dB Bandwidth n40 5755MHz Ant1

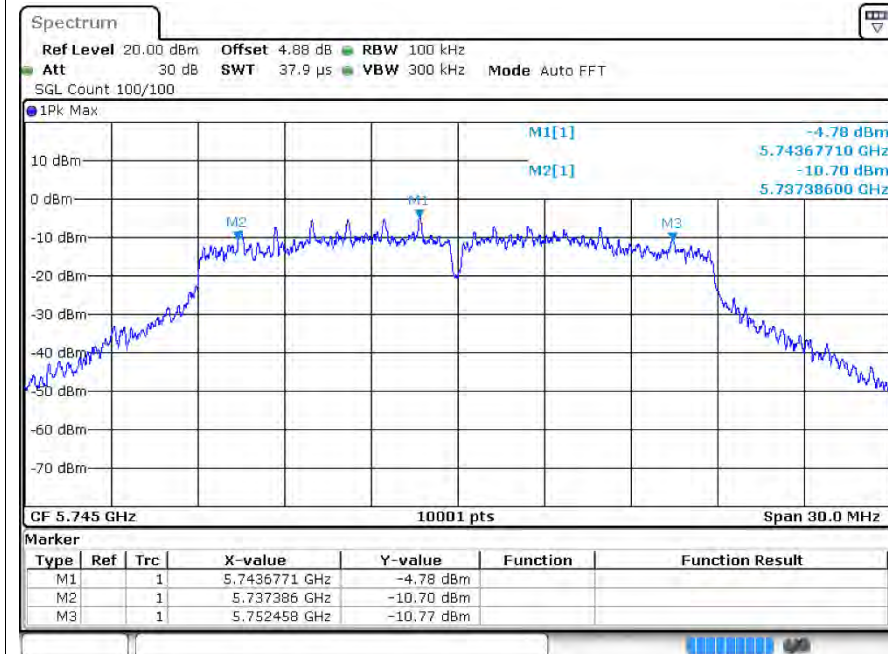


-6dB Bandwidth n40 5795MHz Ant1

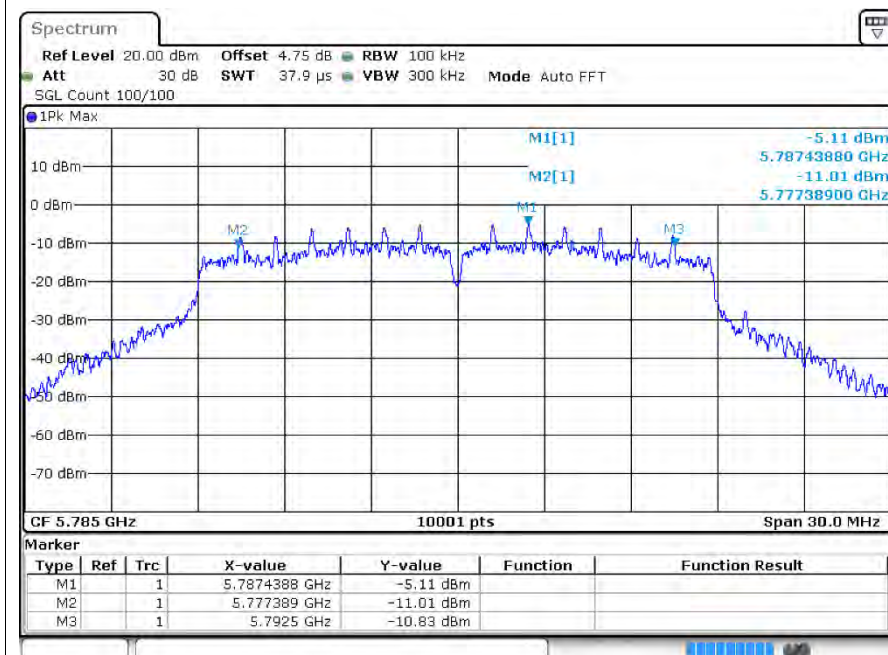


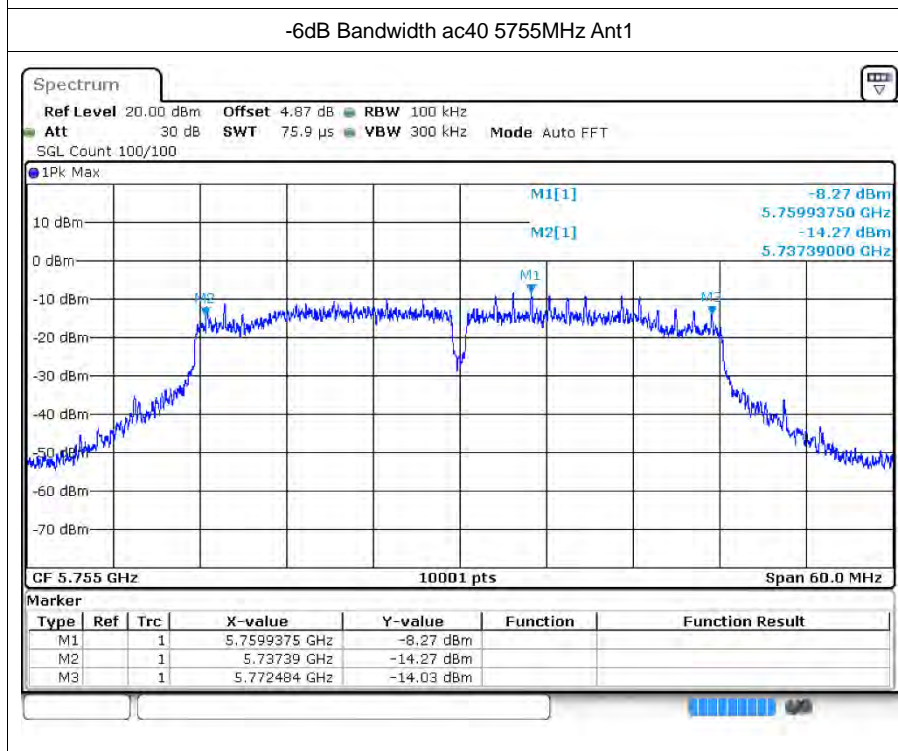
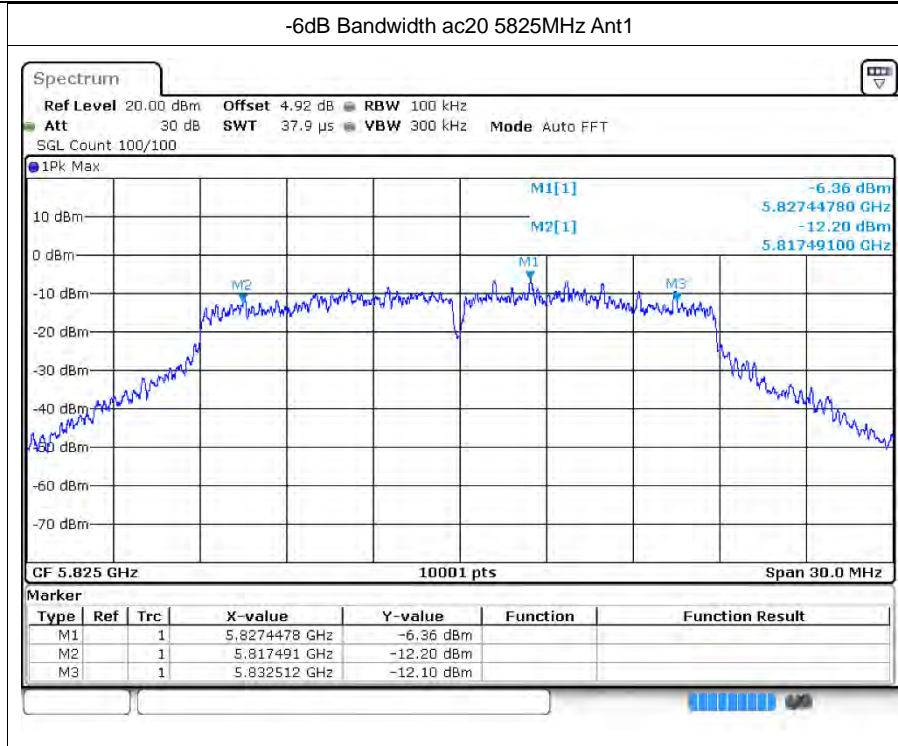


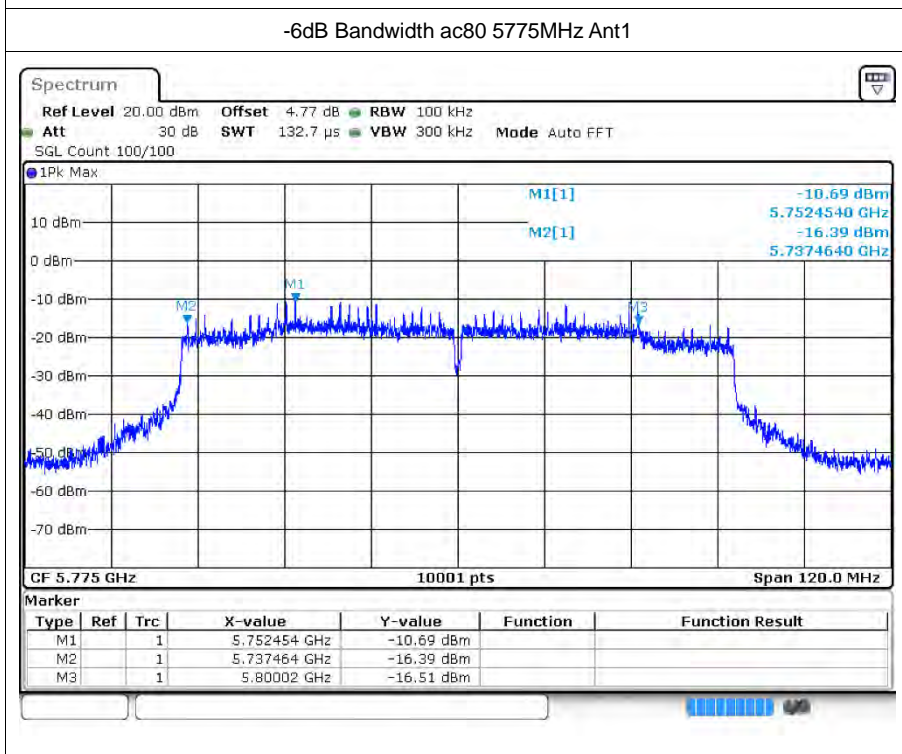
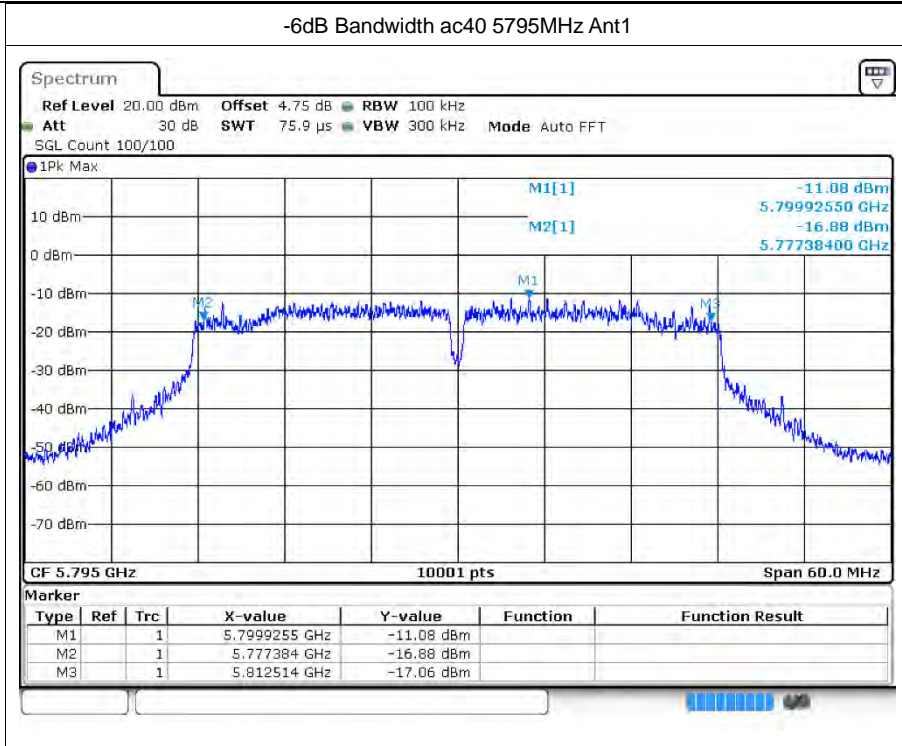
-6dB Bandwidth ac20 5745MHz Ant1



-6dB Bandwidth ac20 5785MHz Ant1



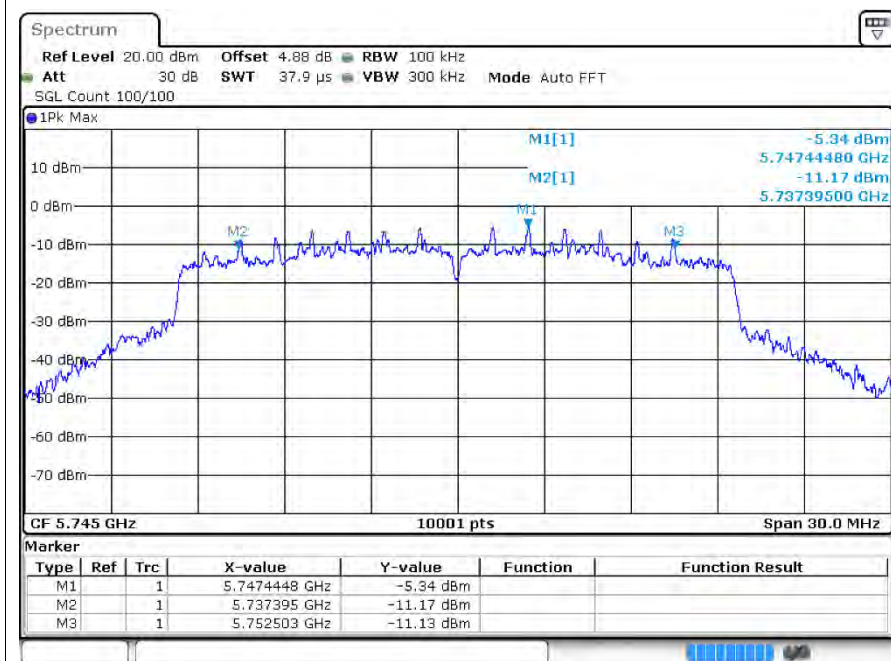




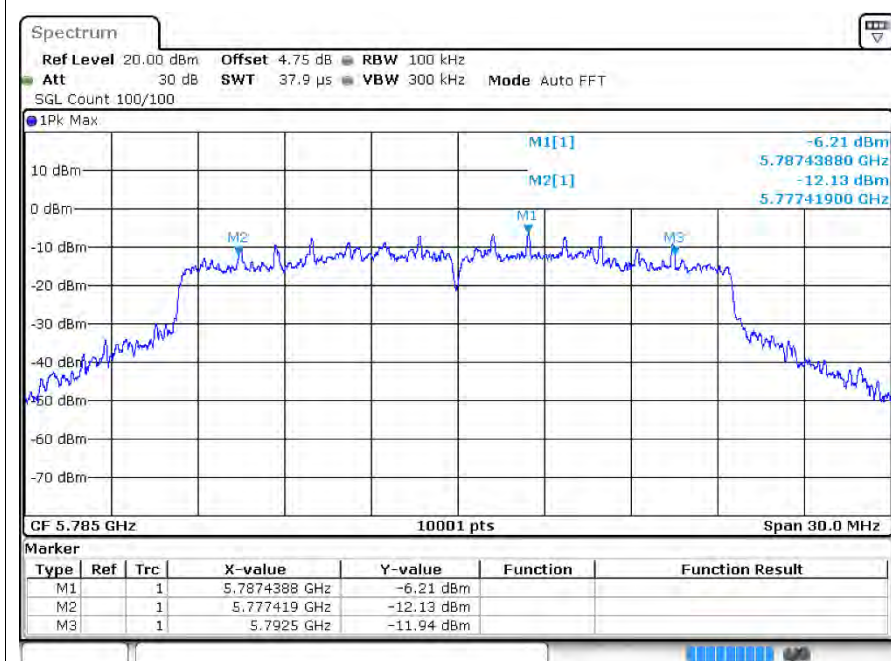


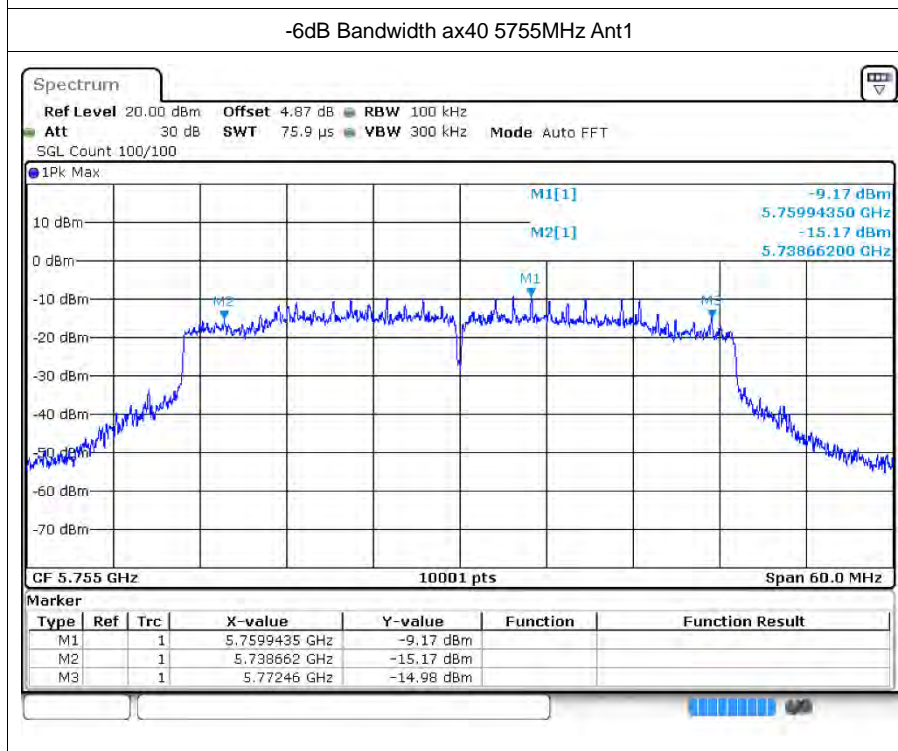
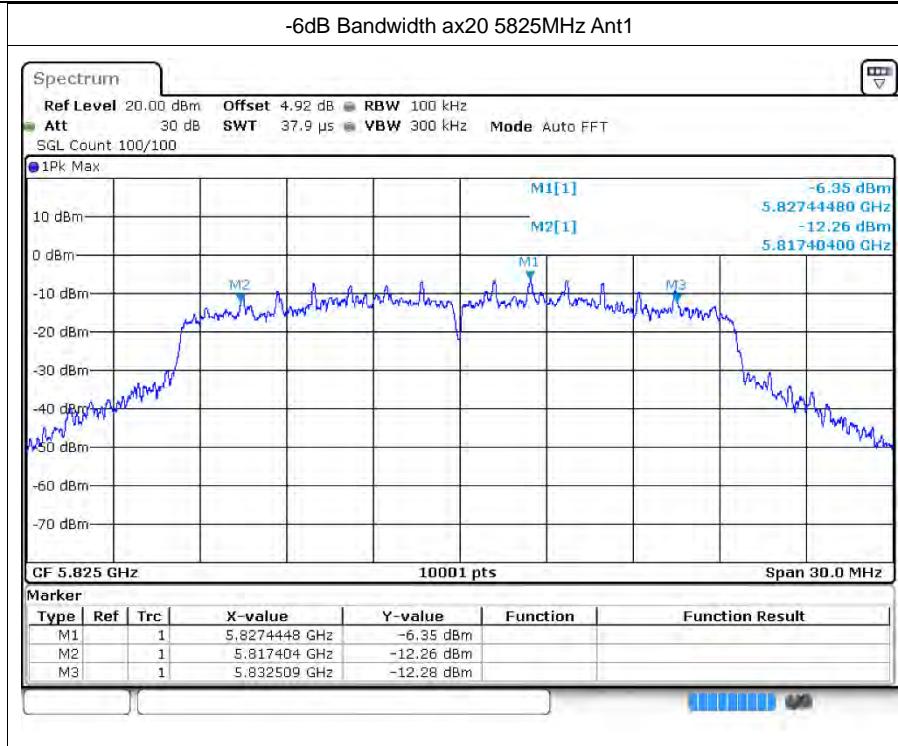


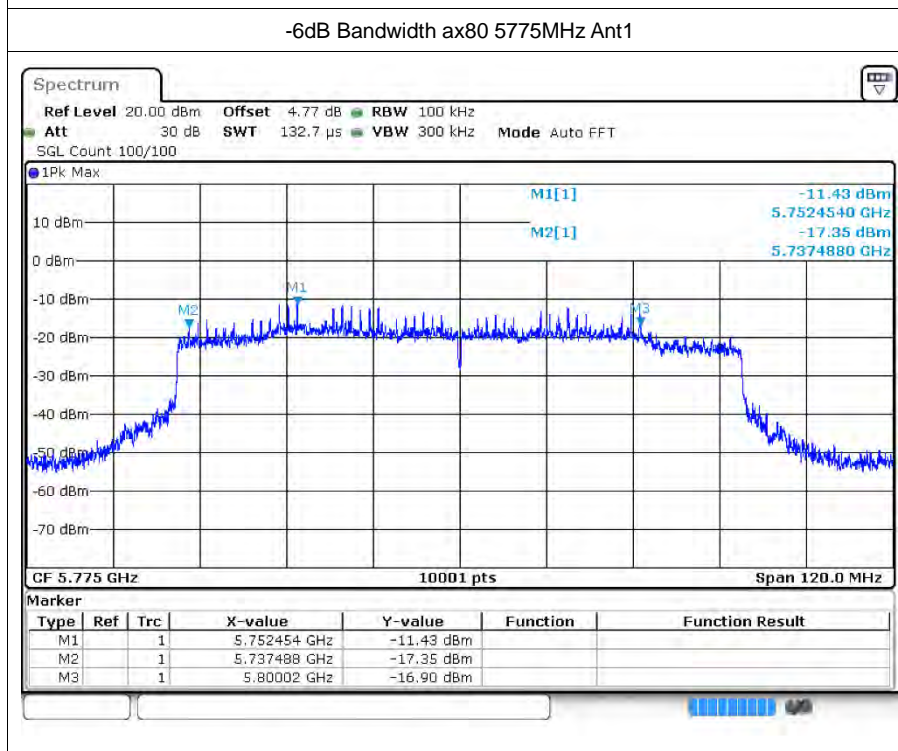
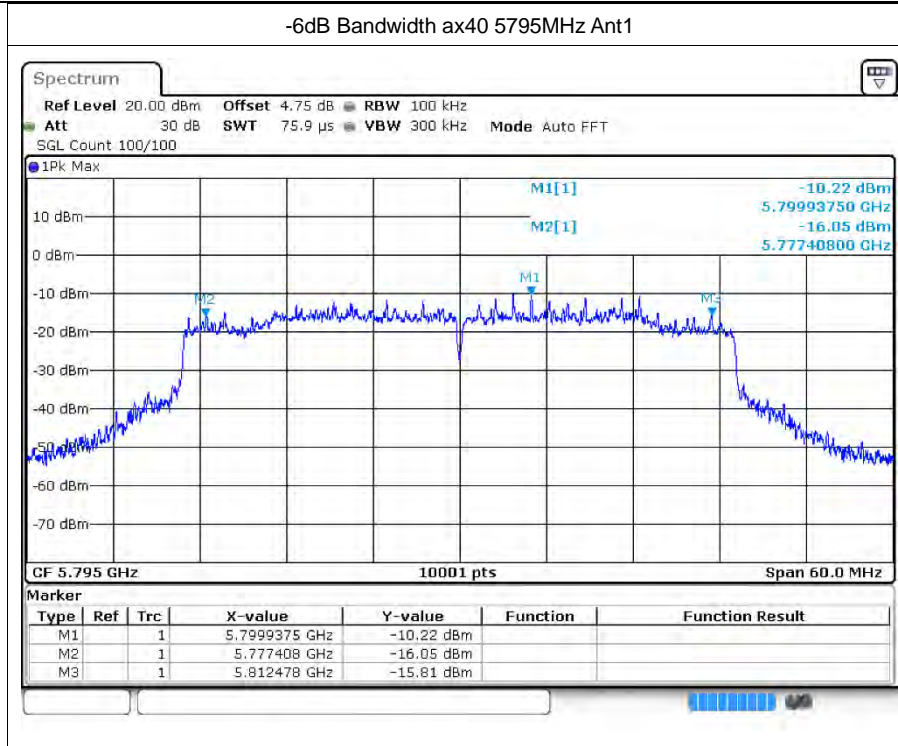
-6dB Bandwidth ax20 5745MHz Ant1



-6dB Bandwidth ax20 5785MHz Ant1

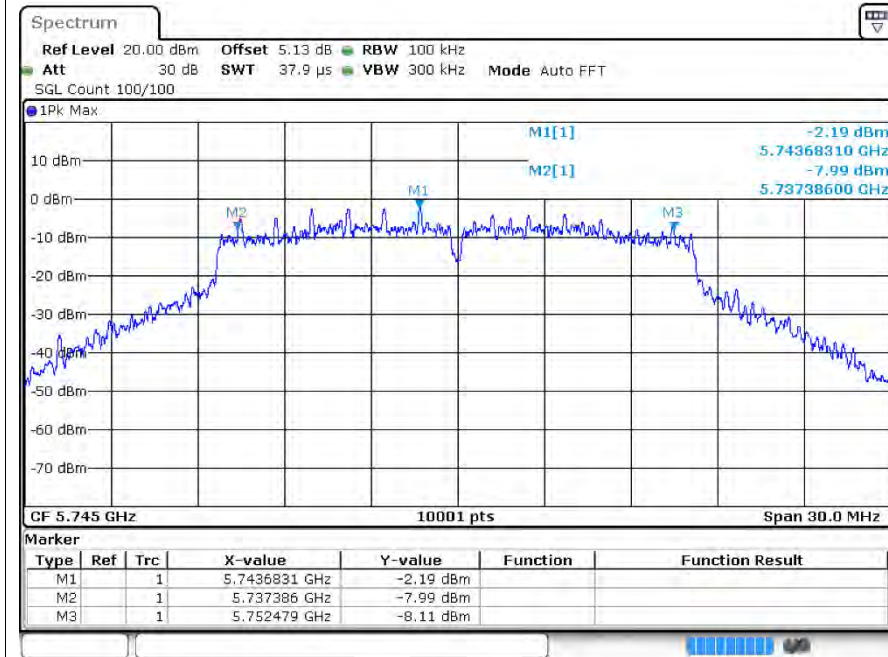




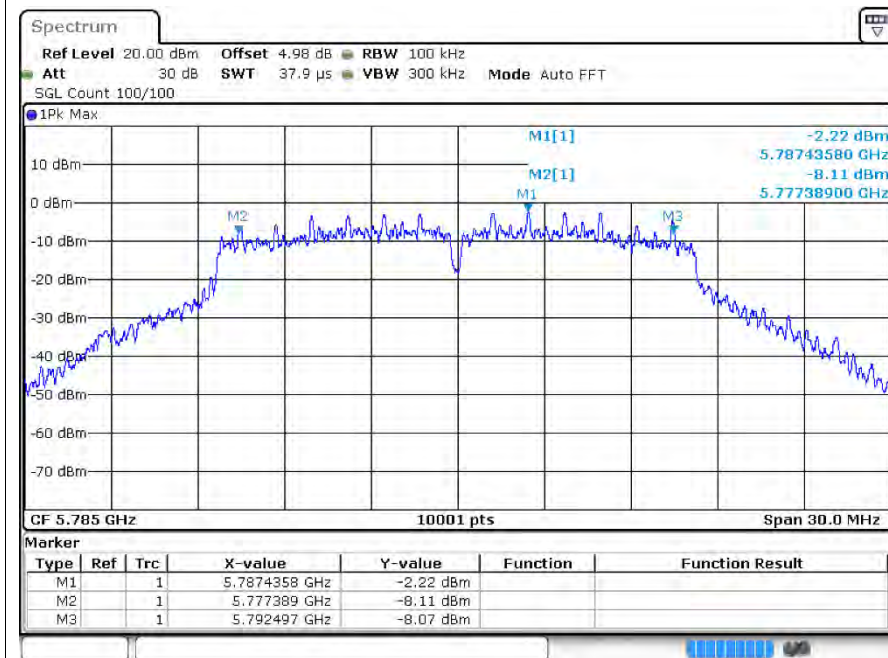




-6dB Bandwidth a 5745MHz Ant2



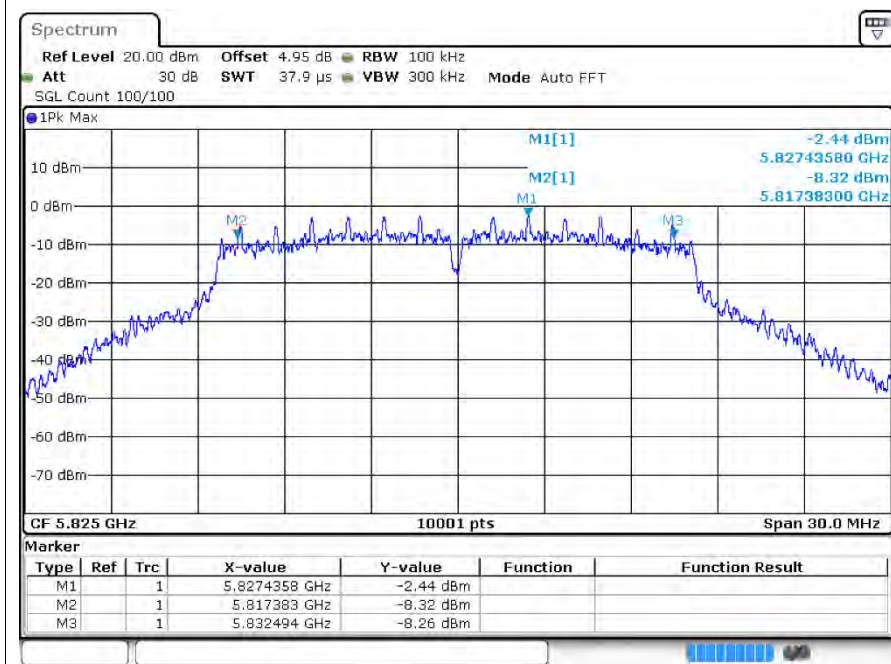
-6dB Bandwidth a 5785MHz Ant2



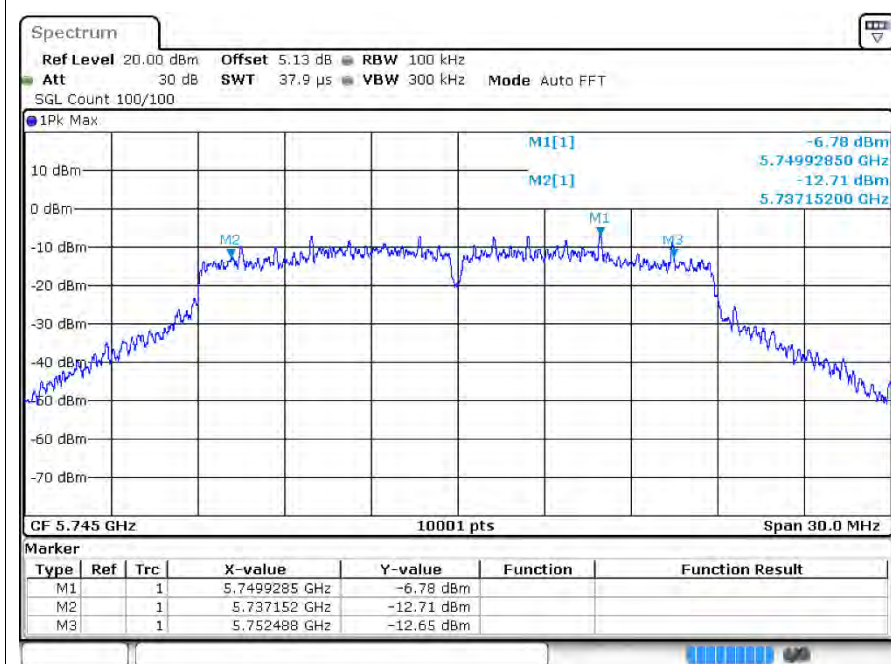




-6dB Bandwidth a 5825MHz Ant2

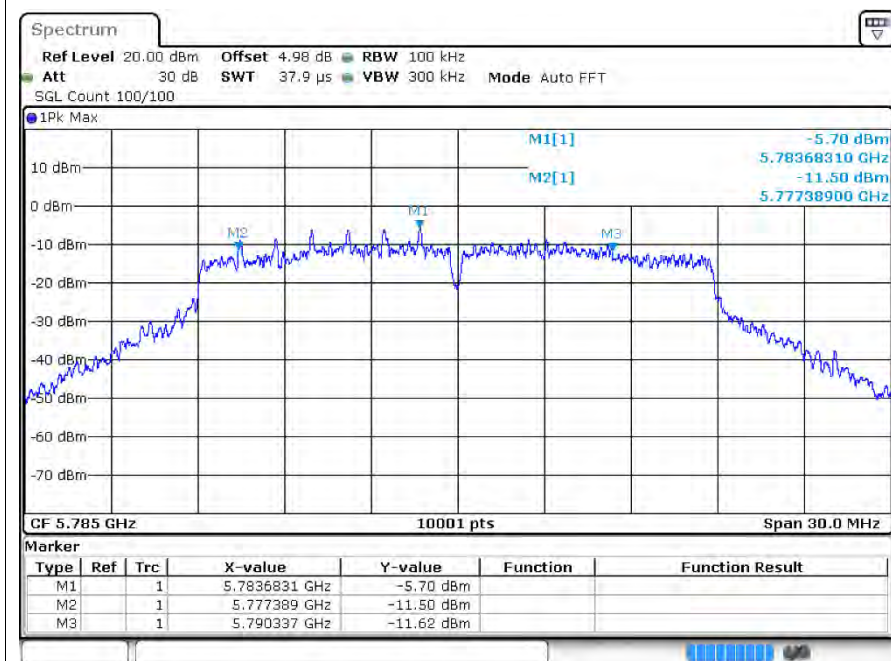


-6dB Bandwidth n20 5745MHz Ant2

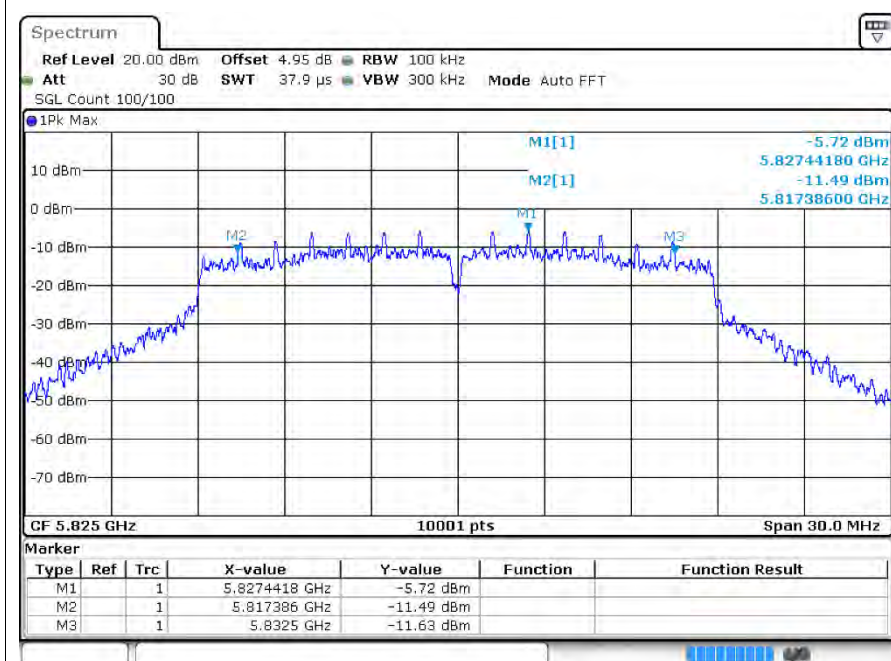




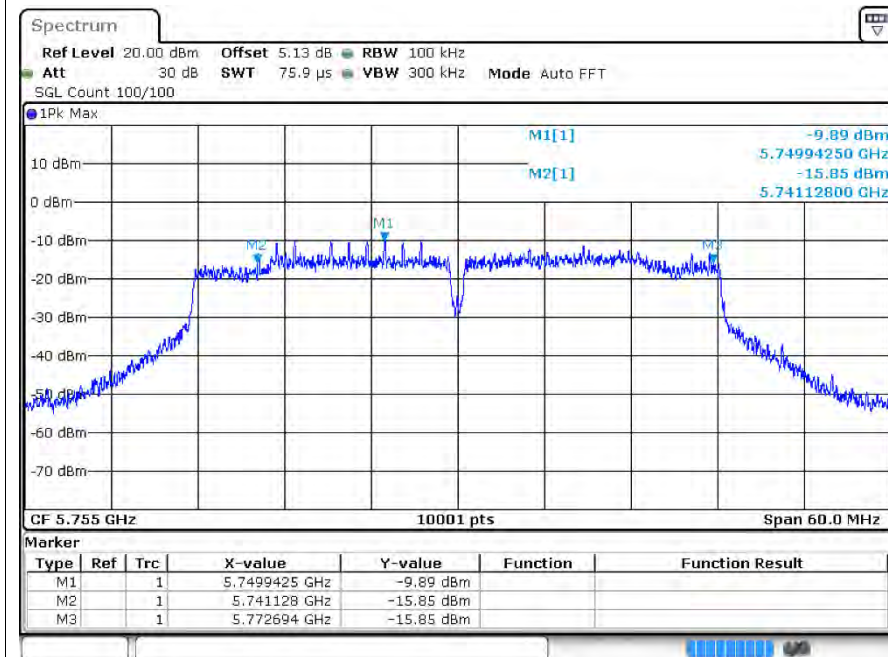
-6dB Bandwidth n20 5785MHz Ant2



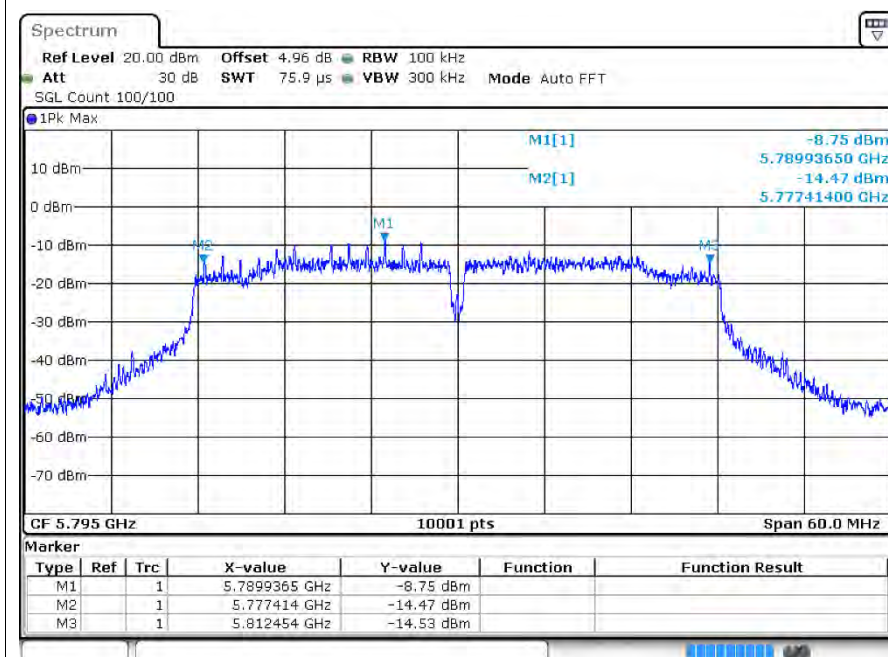
-6dB Bandwidth n20 5825MHz Ant2



-6dB Bandwidth n40 5755MHz Ant2

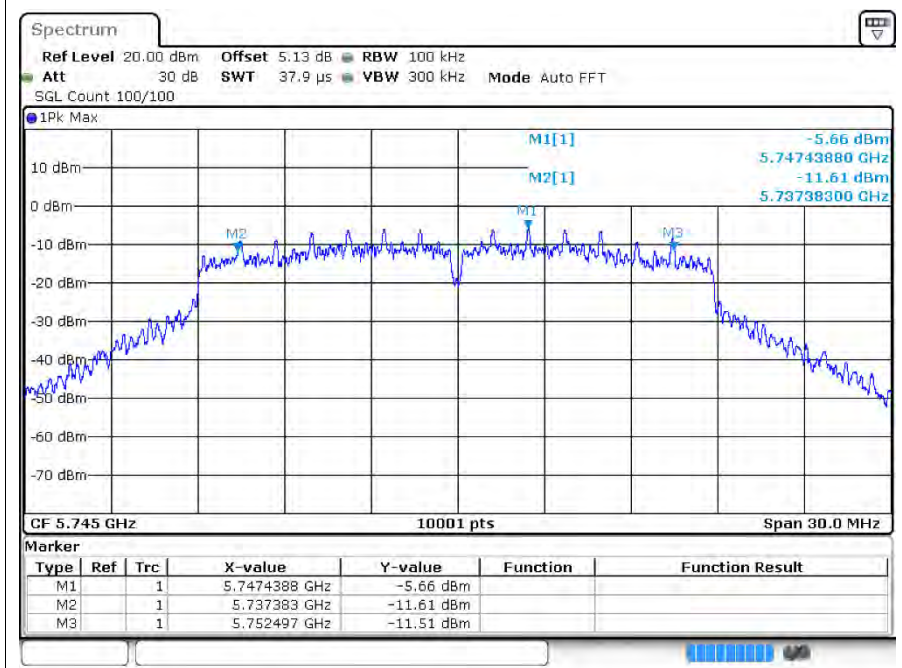


-6dB Bandwidth n40 5795MHz Ant2

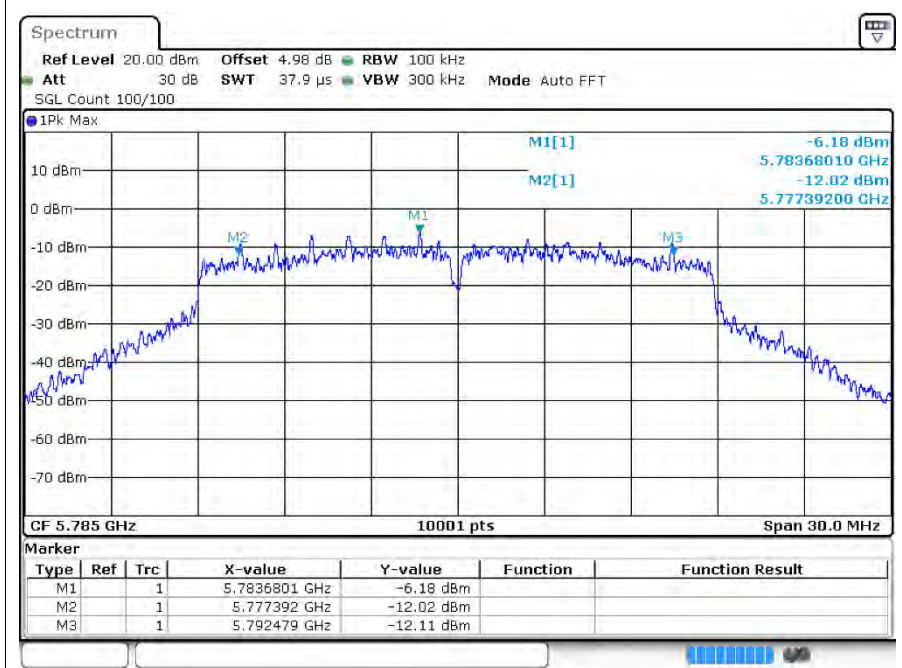




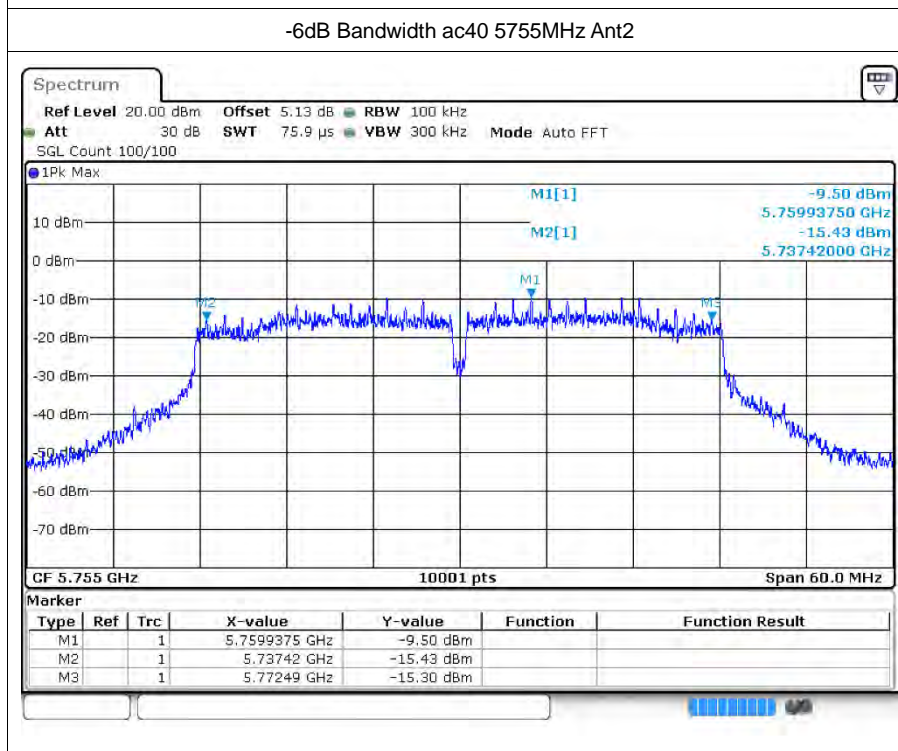
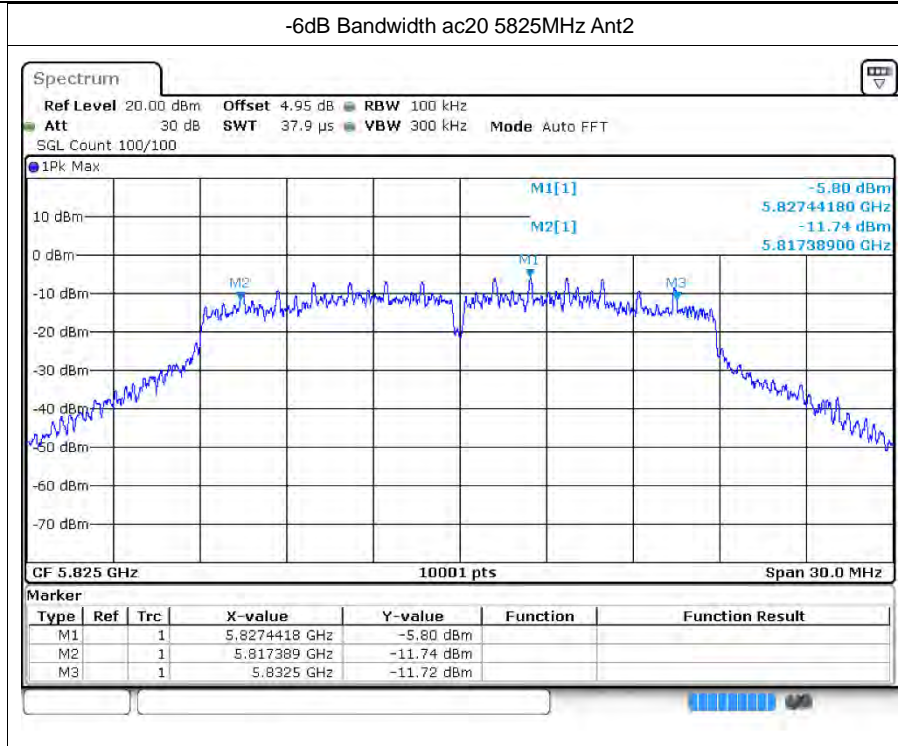
-6dB Bandwidth ac20 5745MHz Ant2



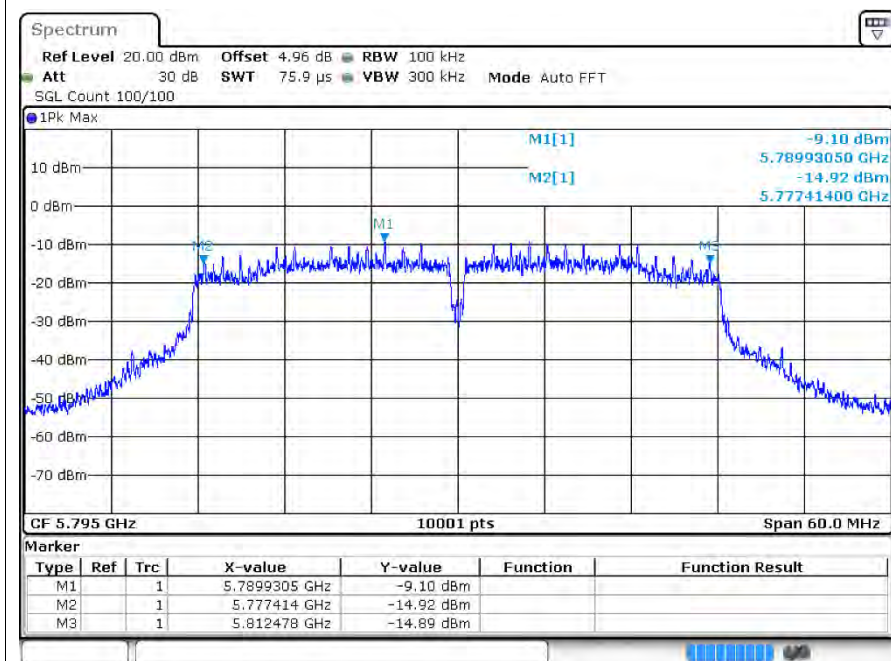
-6dB Bandwidth ac20 5785MHz Ant2



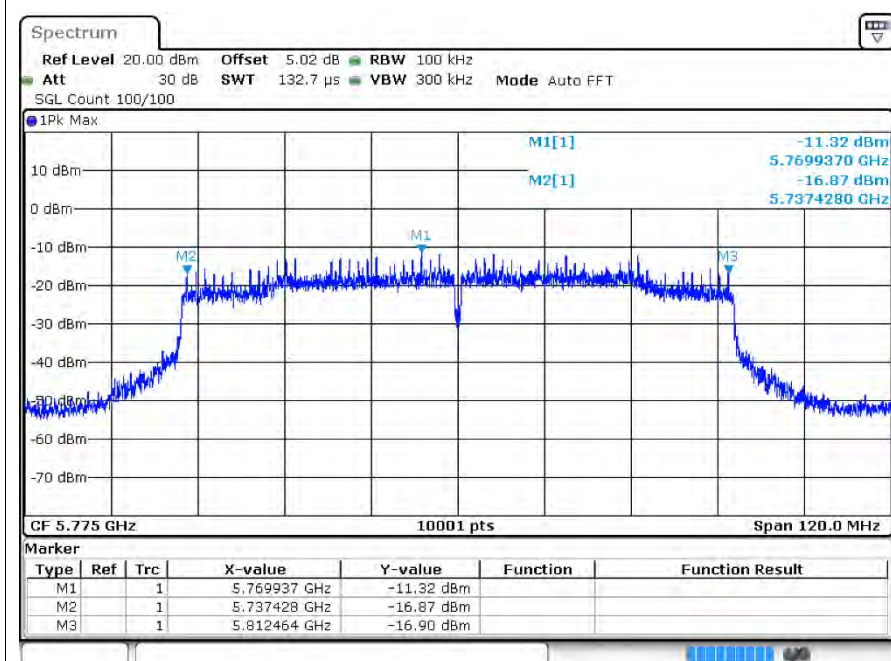




-6dB Bandwidth ac40 5795MHz Ant2

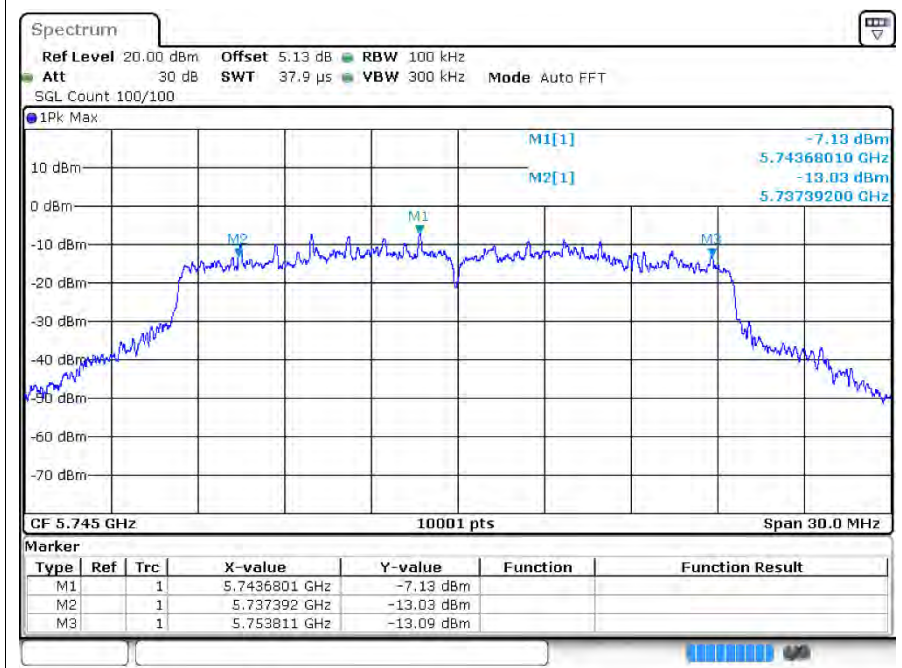


-6dB Bandwidth ac80 5775MHz Ant2

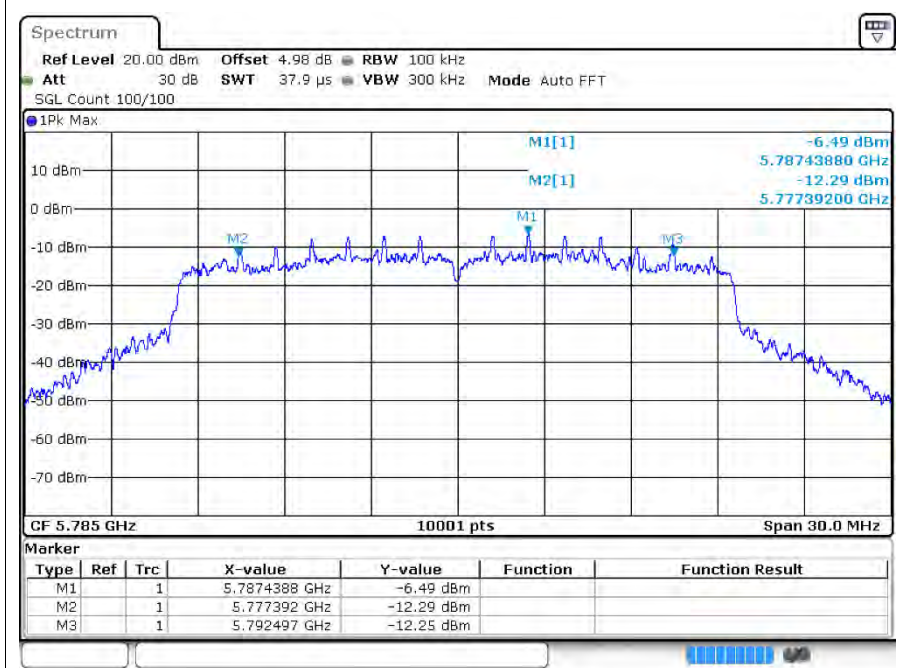


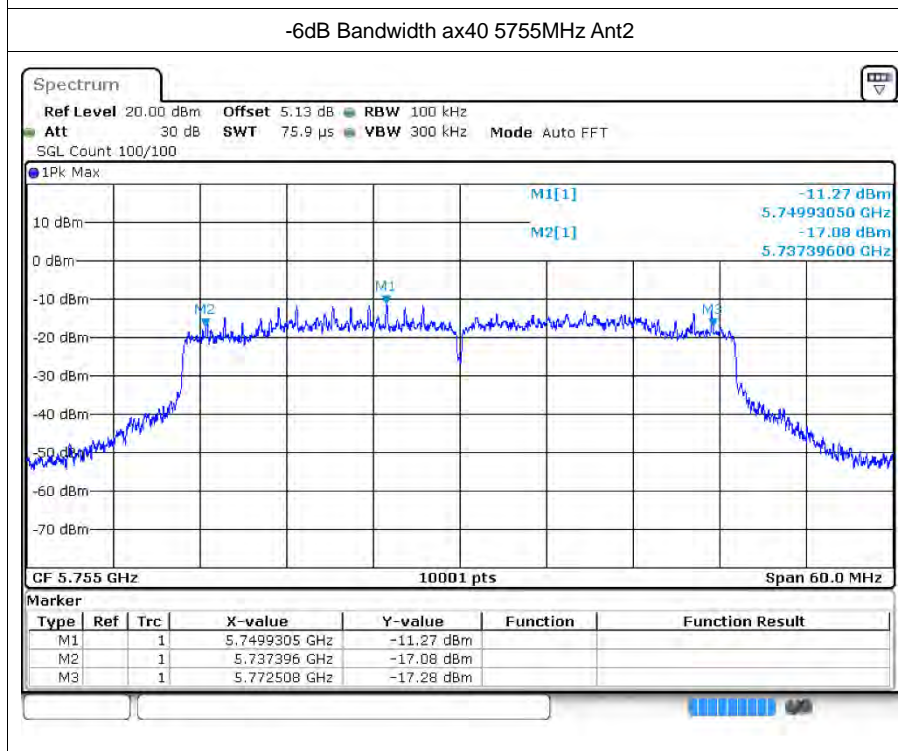
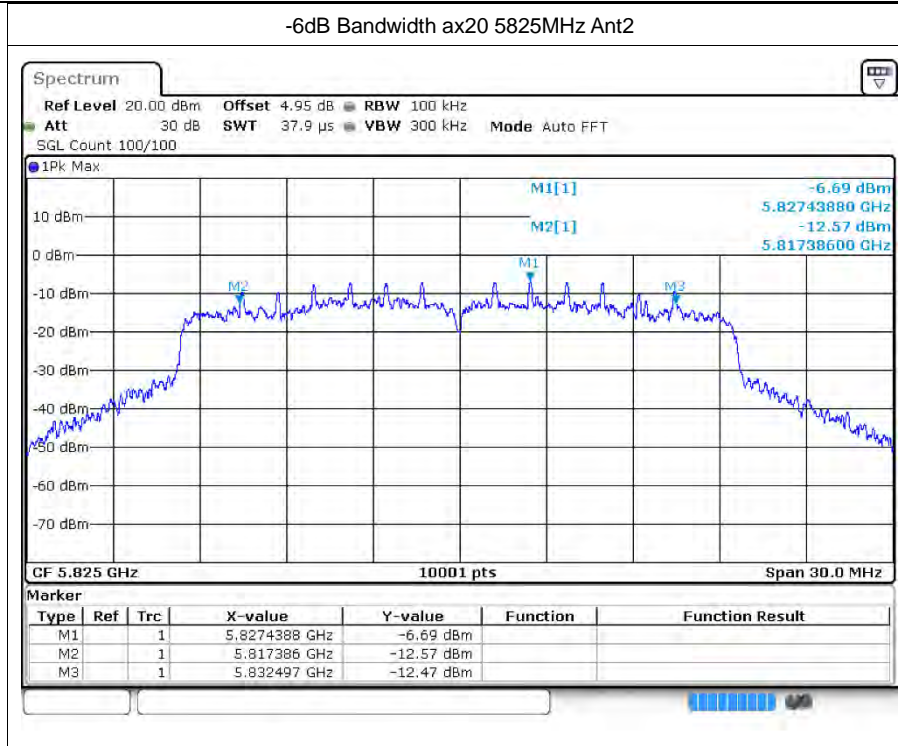


-6dB Bandwidth ax20 5745MHz Ant2



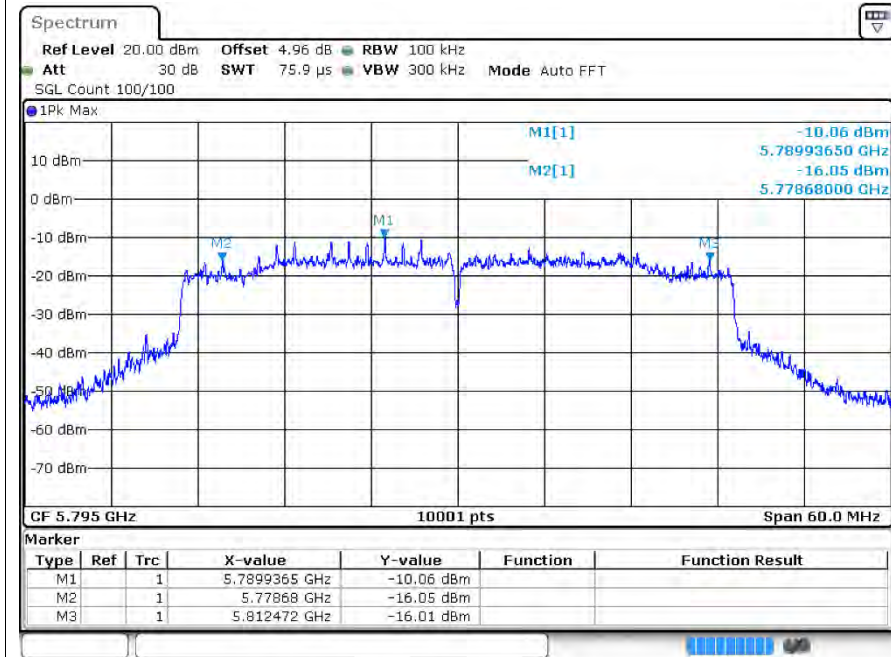
-6dB Bandwidth ax20 5785MHz Ant2



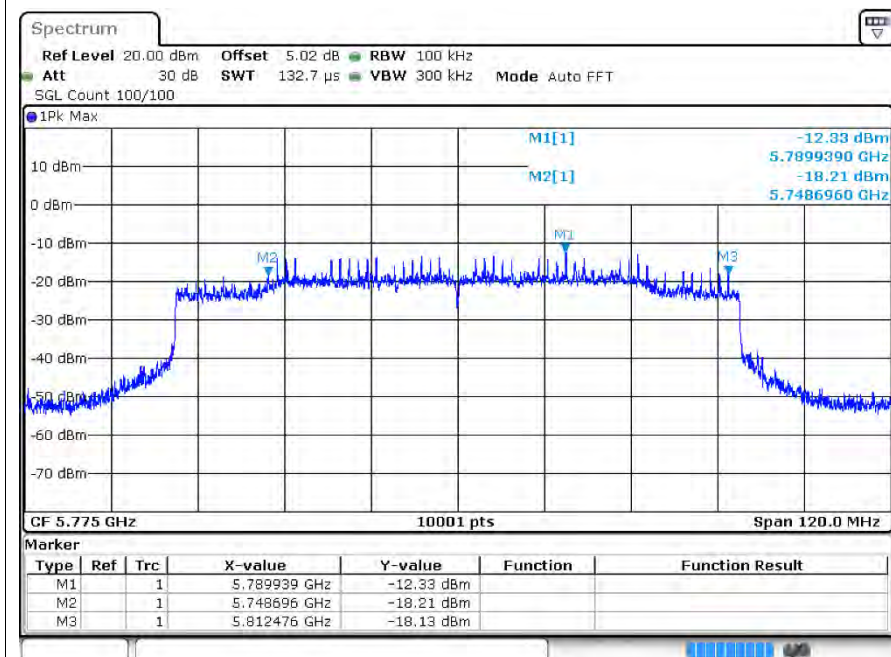




-6dB Bandwidth ax40 5795MHz Ant2



-6dB Bandwidth ax80 5775MHz Ant2





## 4 Occupied Channel Bandwidth

### 4.1 Test Result

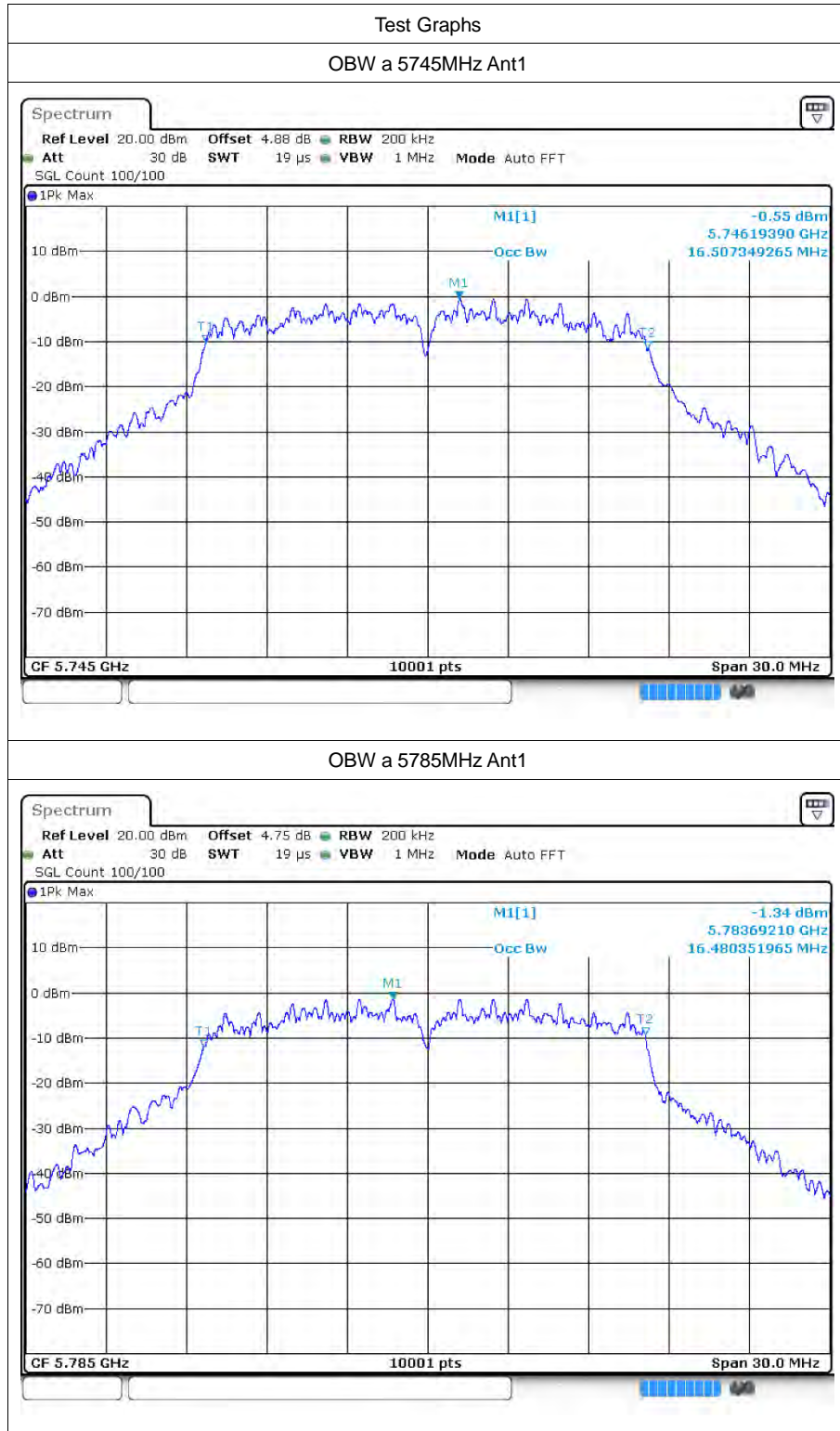
Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
a	5745	Ant1	16.507
a	5785	Ant1	16.48
a	5825	Ant1	16.489
n20	5745	Ant1	17.611
n20	5785	Ant1	17.656
n20	5825	Ant1	17.587
n40	5755	Ant1	36.14
n40	5795	Ant1	35.906
ac20	5745	Ant1	17.554
ac20	5785	Ant1	17.551
ac20	5825	Ant1	17.674
ac40	5755	Ant1	35.924
ac40	5795	Ant1	35.996
ac80	5775	Ant1	74.993
ax20	5745	Ant1	18.829
ax20	5785	Ant1	18.778
ax20	5825	Ant1	18.805
ax40	5755	Ant1	37.484
ax40	5795	Ant1	37.688
ax80	5775	Ant1	76.516
a	5745	Ant2	16.48
a	5785	Ant2	16.453
a	5825	Ant2	16.522
n20	5745	Ant2	17.62
n20	5785	Ant2	17.671
n20	5825	Ant2	17.638
n40	5755	Ant2	36.29
n40	5795	Ant2	35.906
ac20	5745	Ant2	17.608
ac20	5785	Ant2	17.623
ac20	5825	Ant2	17.596
ac40	5755	Ant2	36.098
ac40	5795	Ant2	35.882
ac80	5775	Ant2	75.304
ax20	5745	Ant2	18.757
ax20	5785	Ant2	18.829



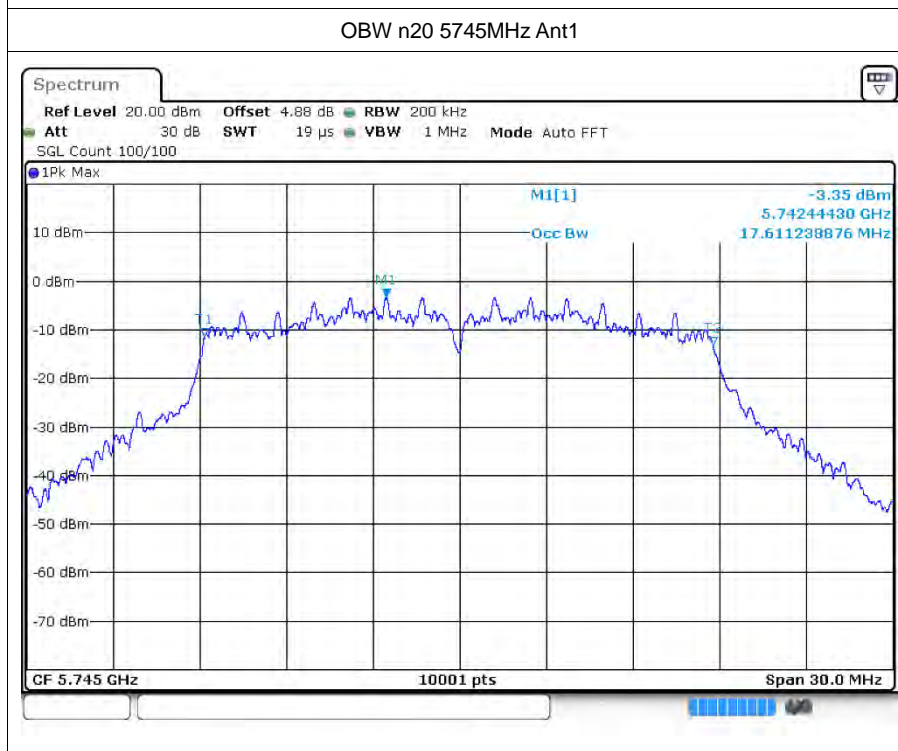
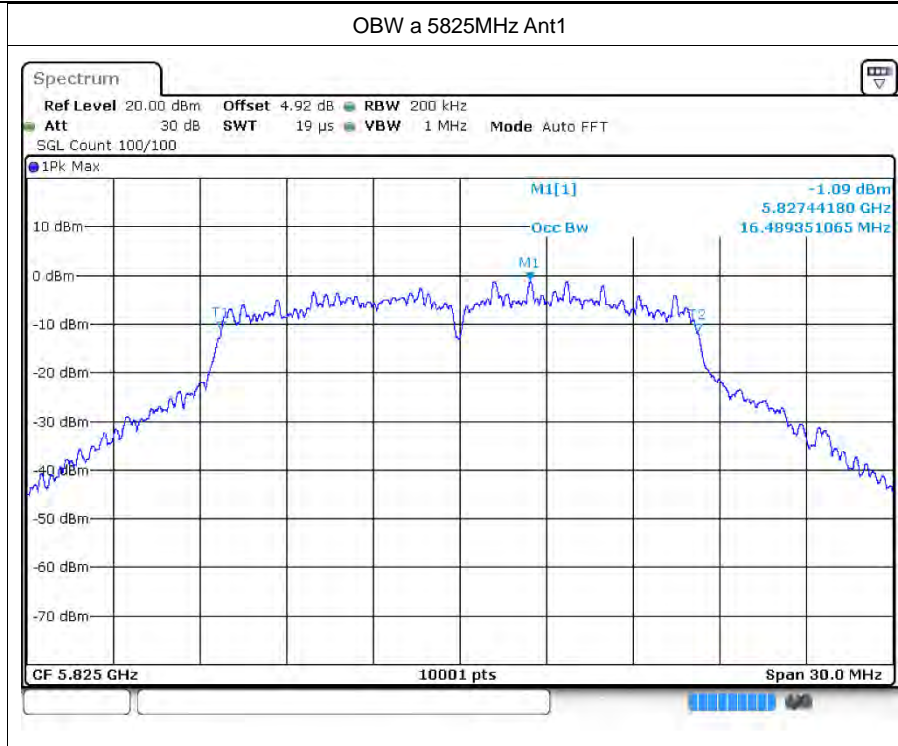
ax20	5825	Ant2	18.925
ax40	5755	Ant2	37.694
ax40	5795	Ant2	37.532
ax80	5775	Ant2	76.996

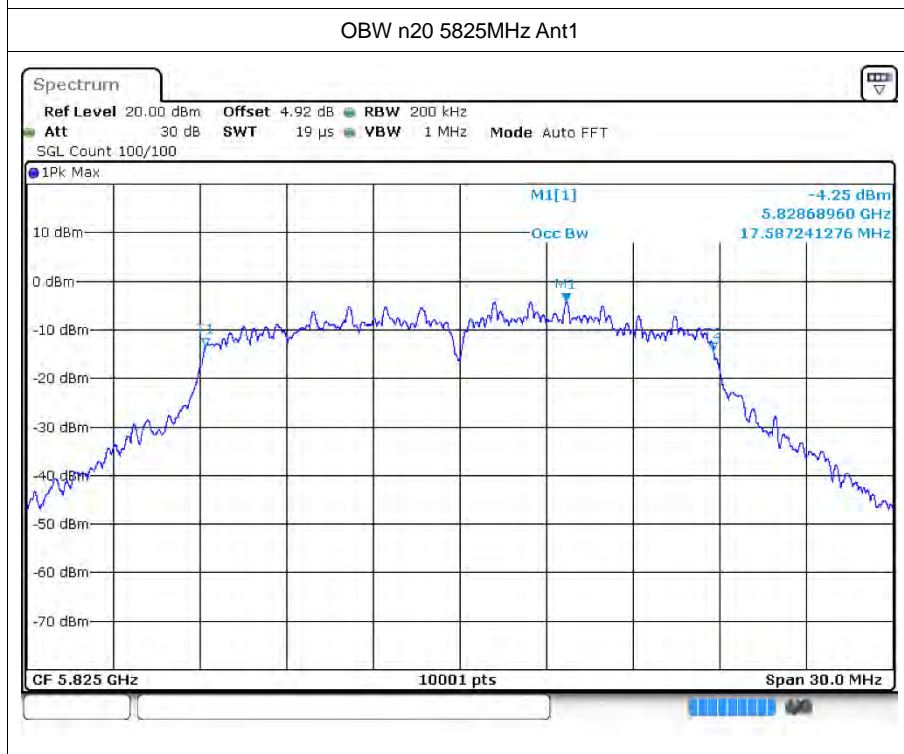
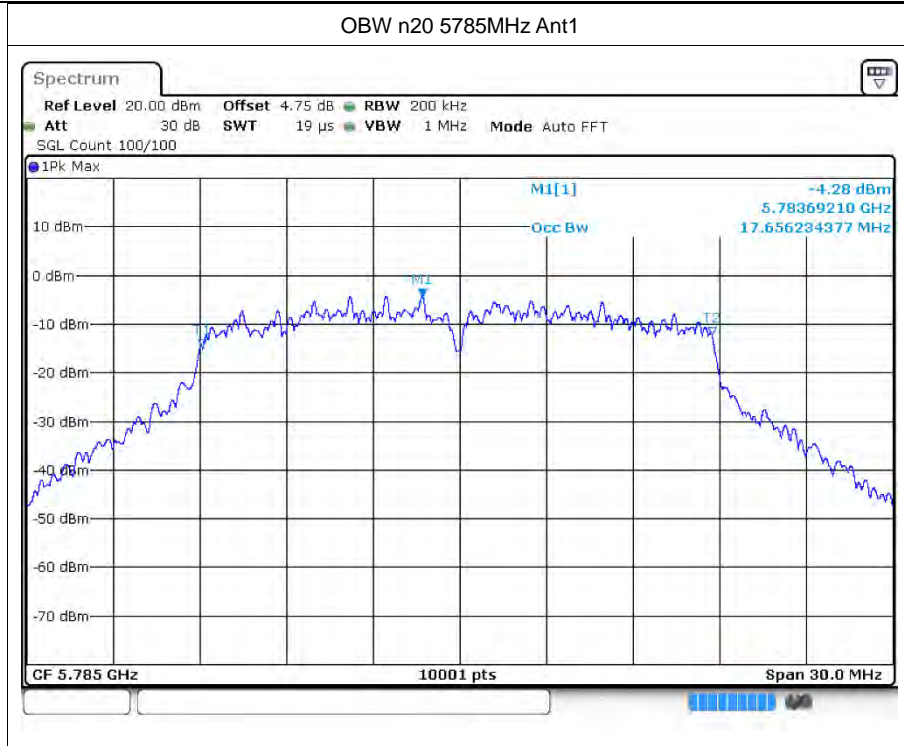


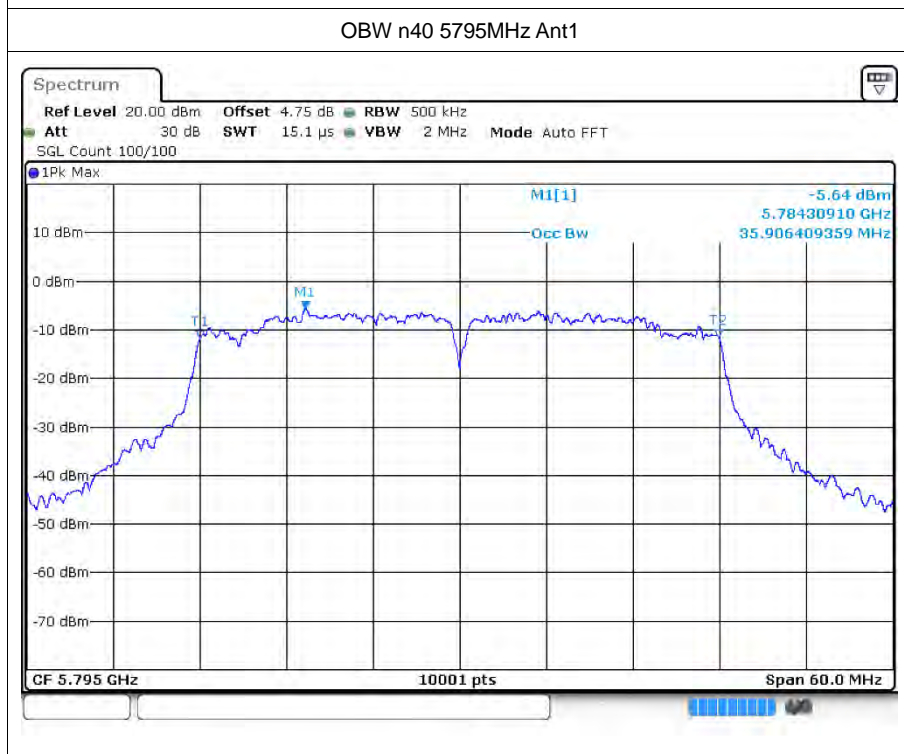
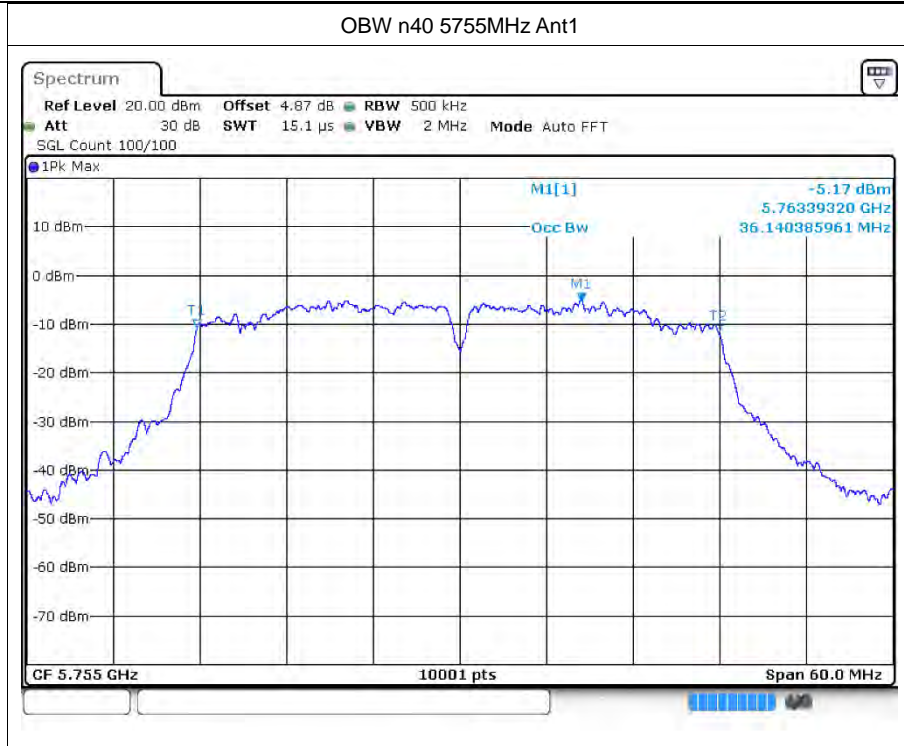
### 4.2 Test Graphs





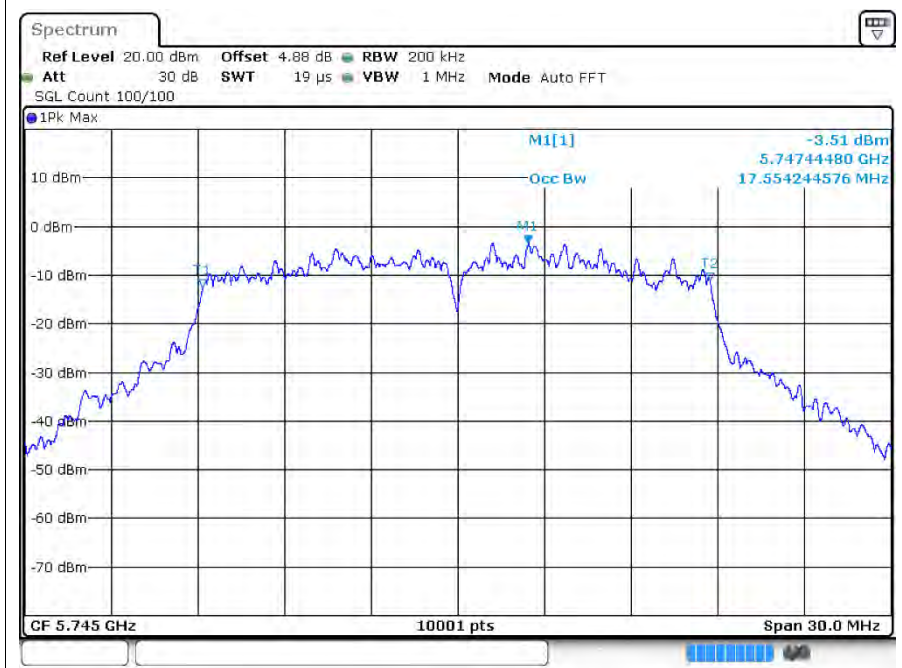




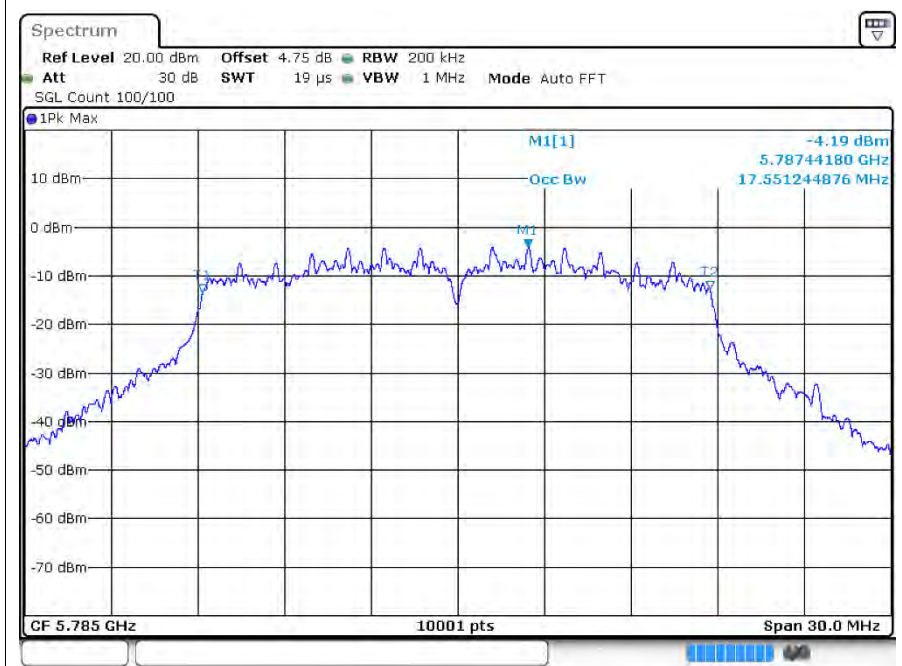




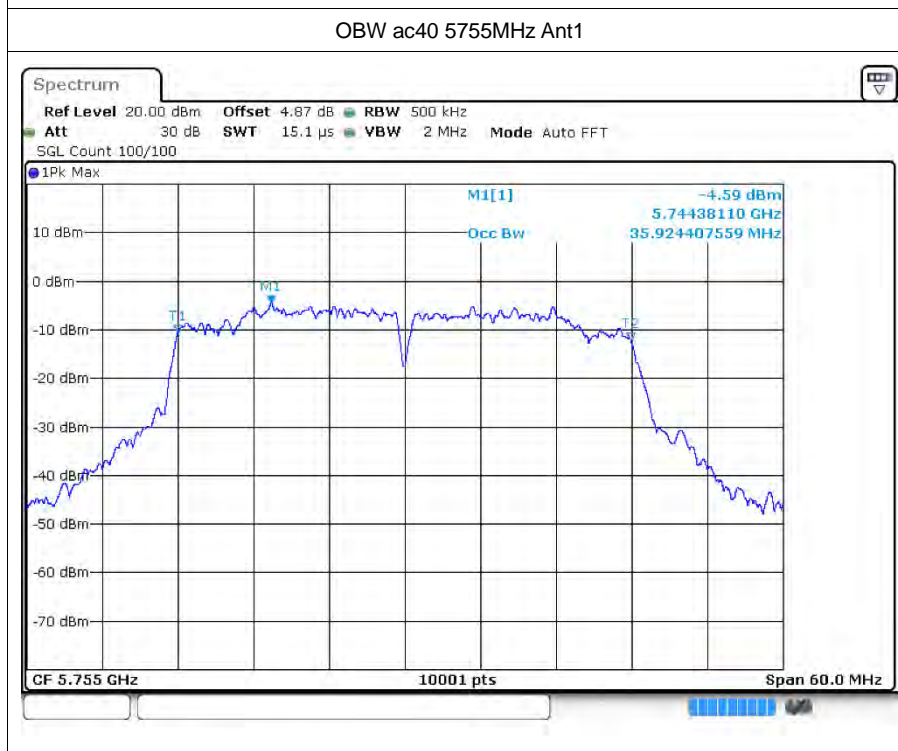
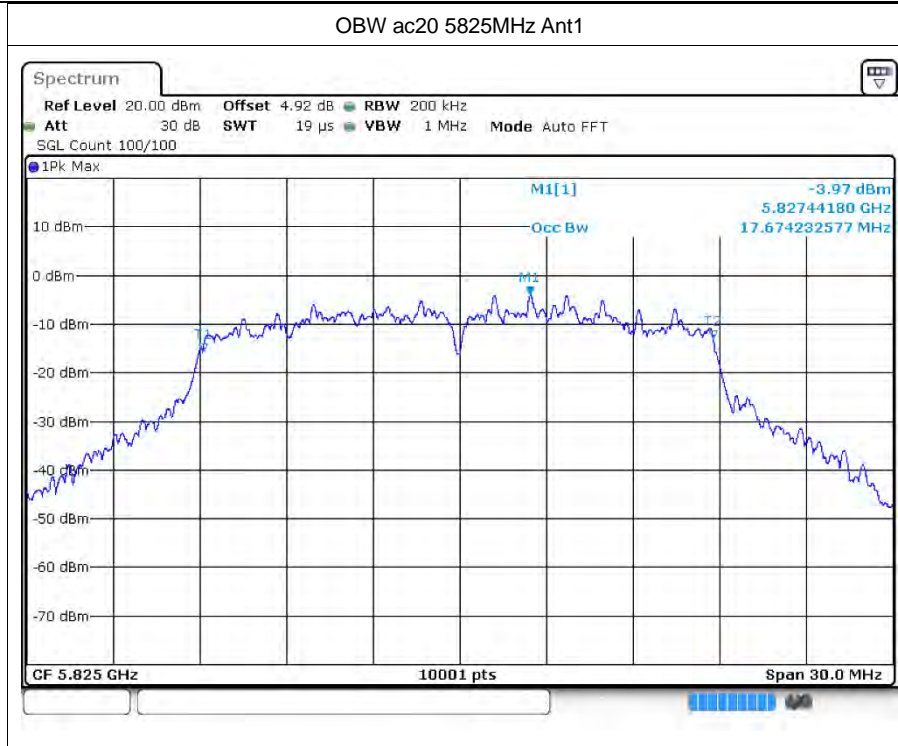
OBW ac20 5745MHz Ant1

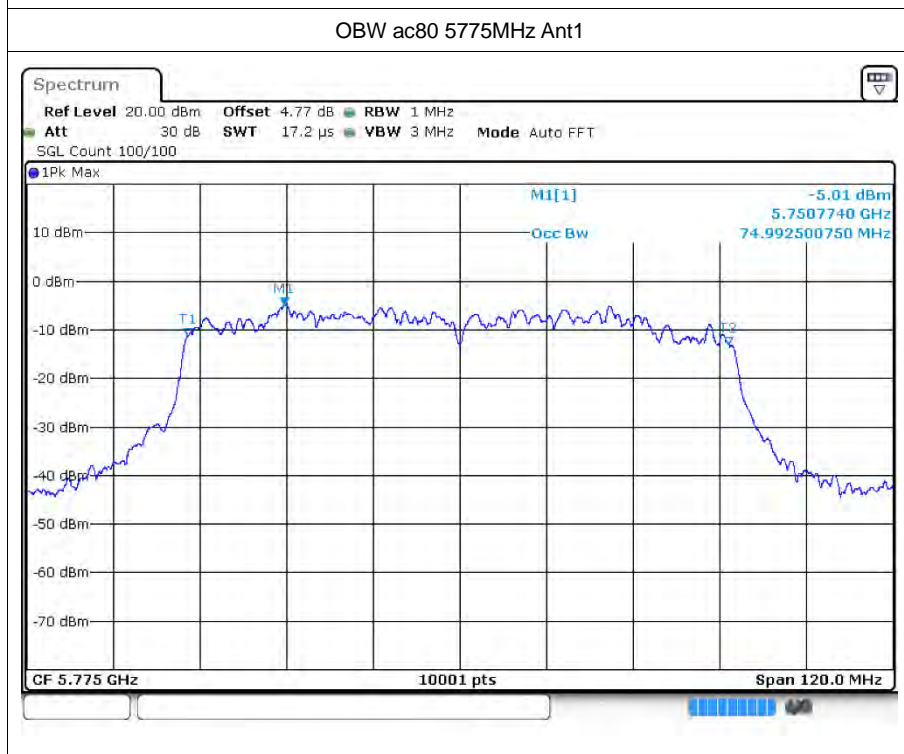
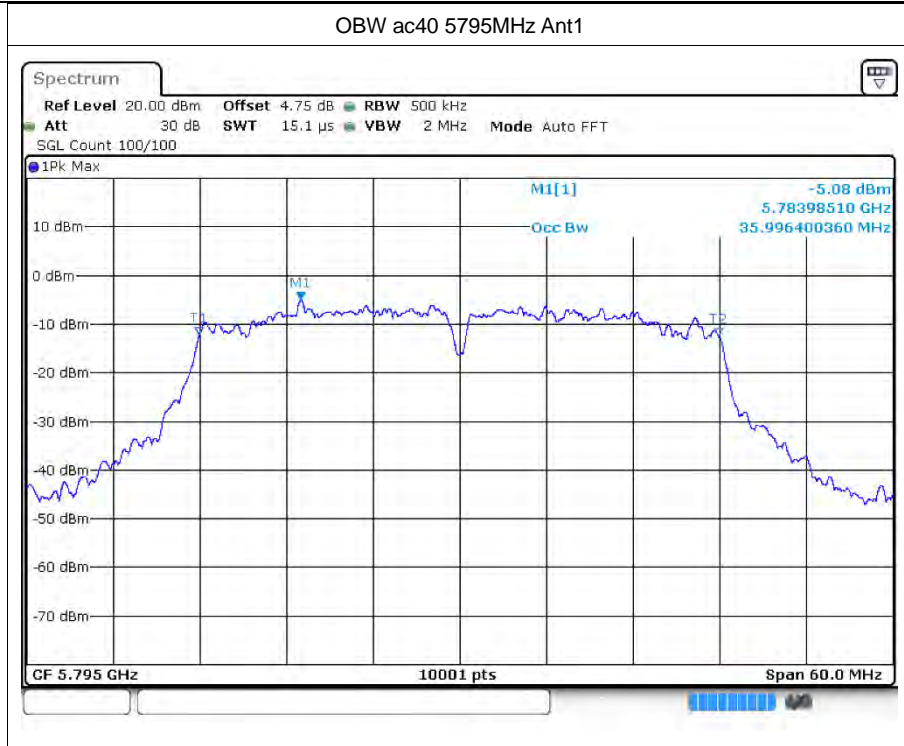


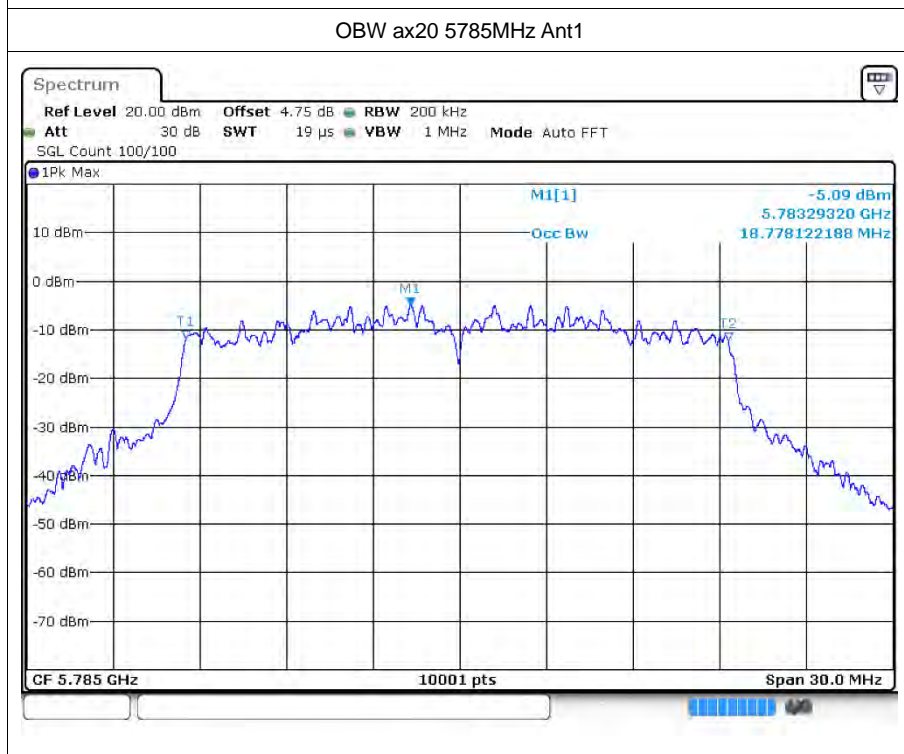
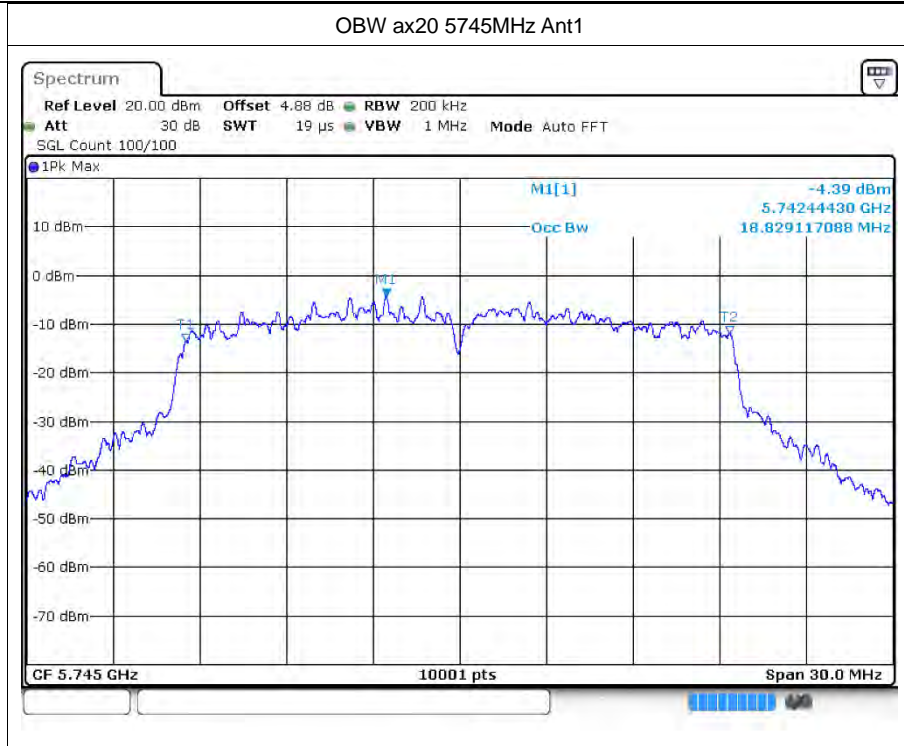
OBW ac20 5785MHz Ant1

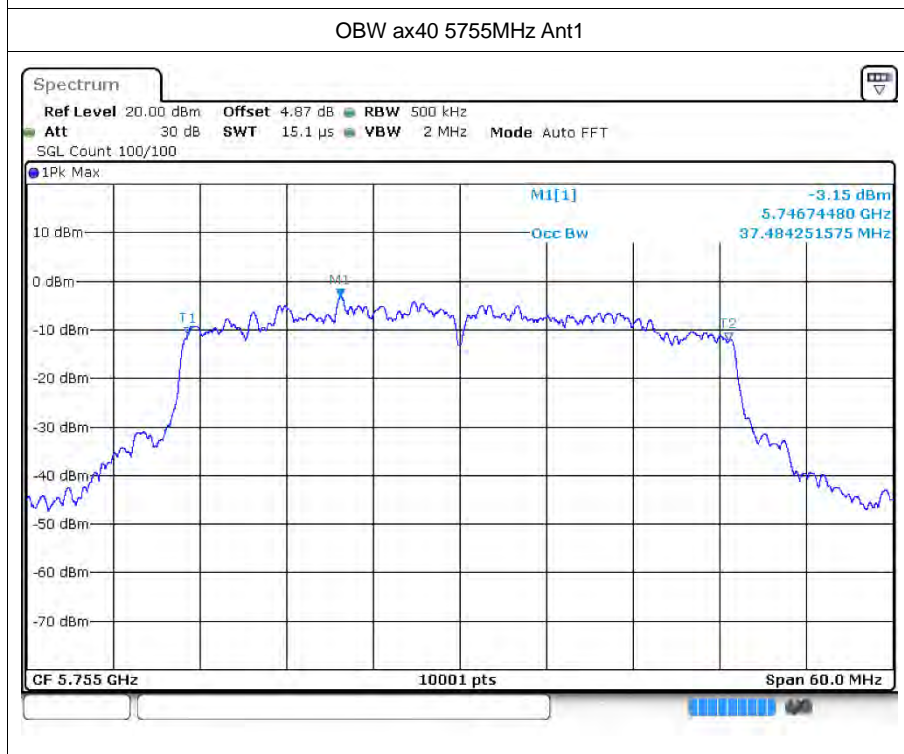
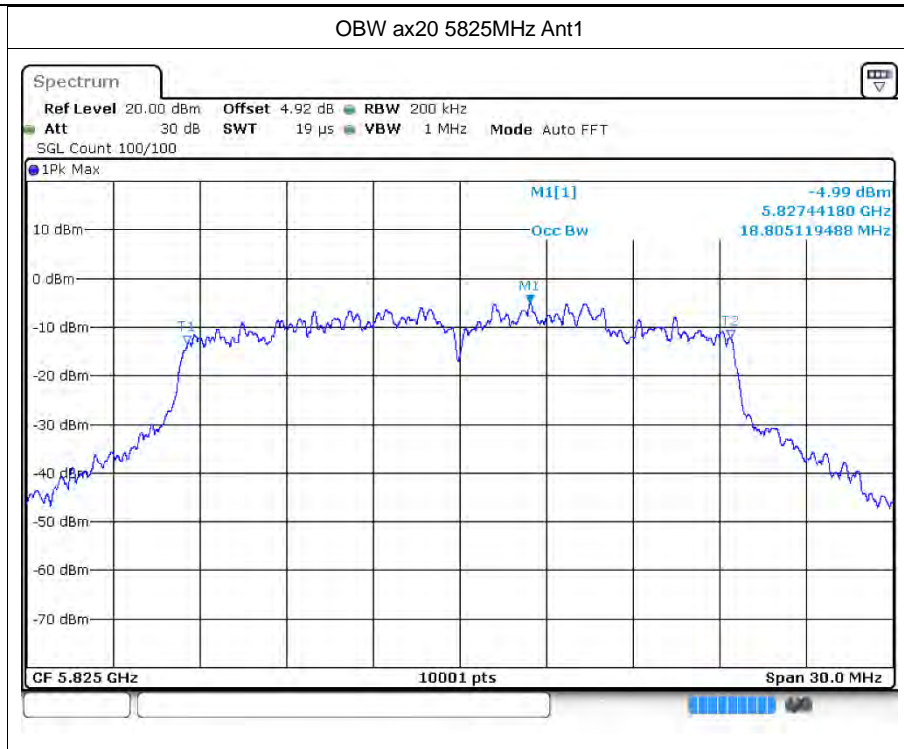








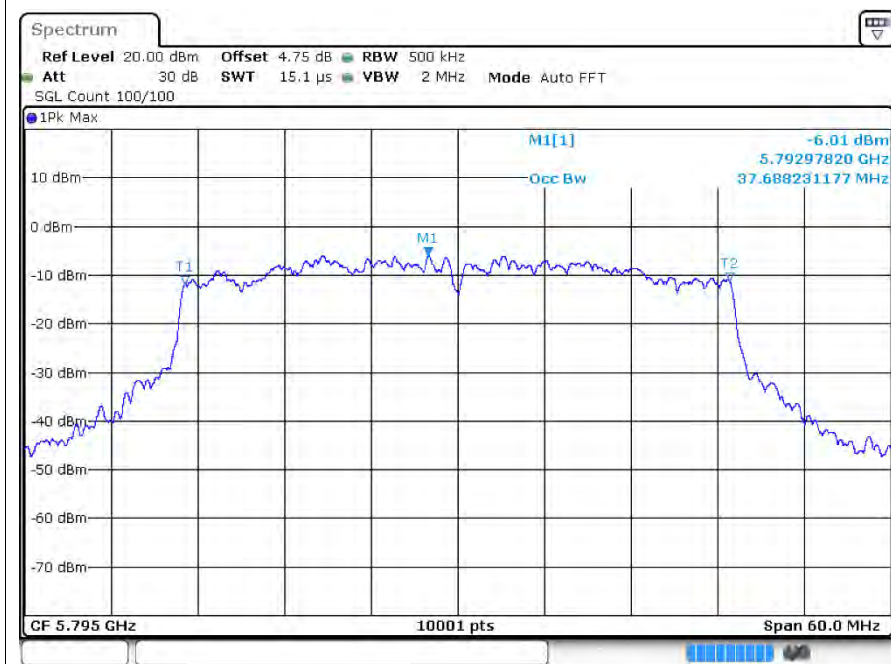






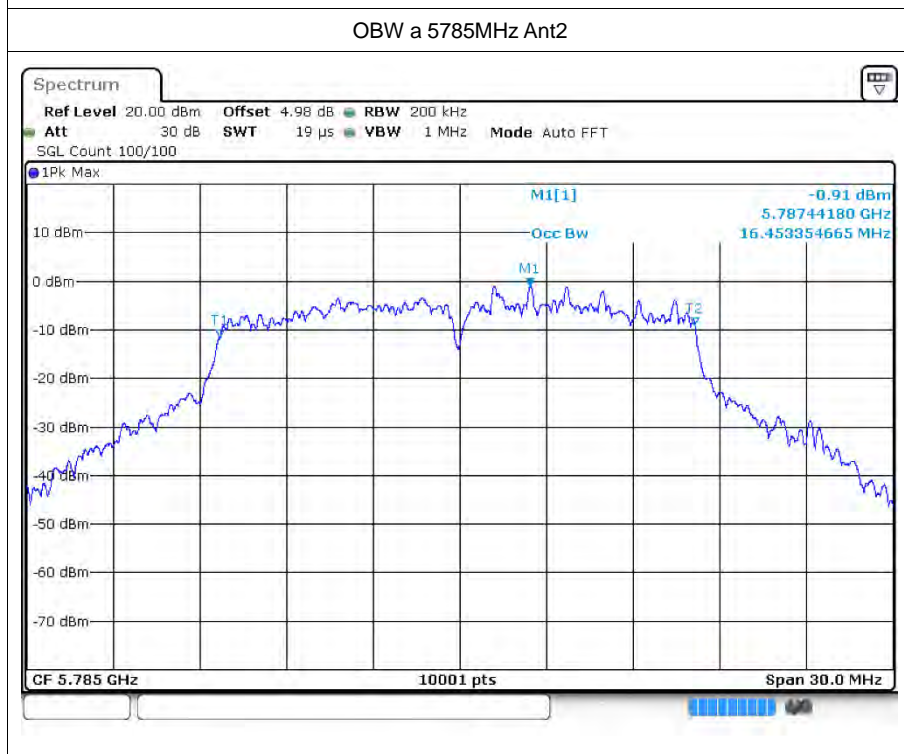
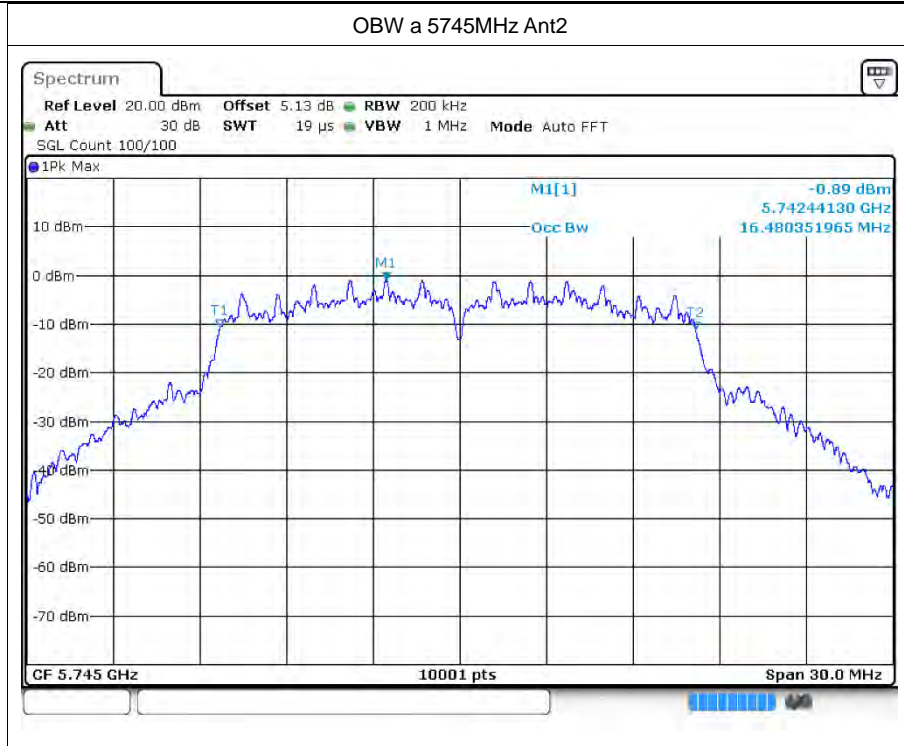


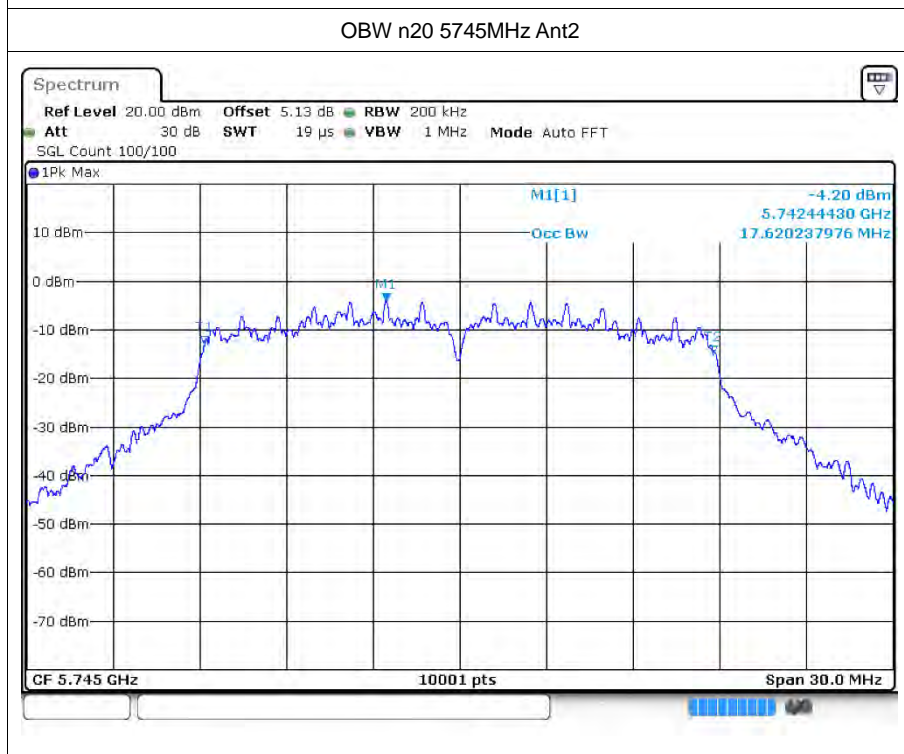
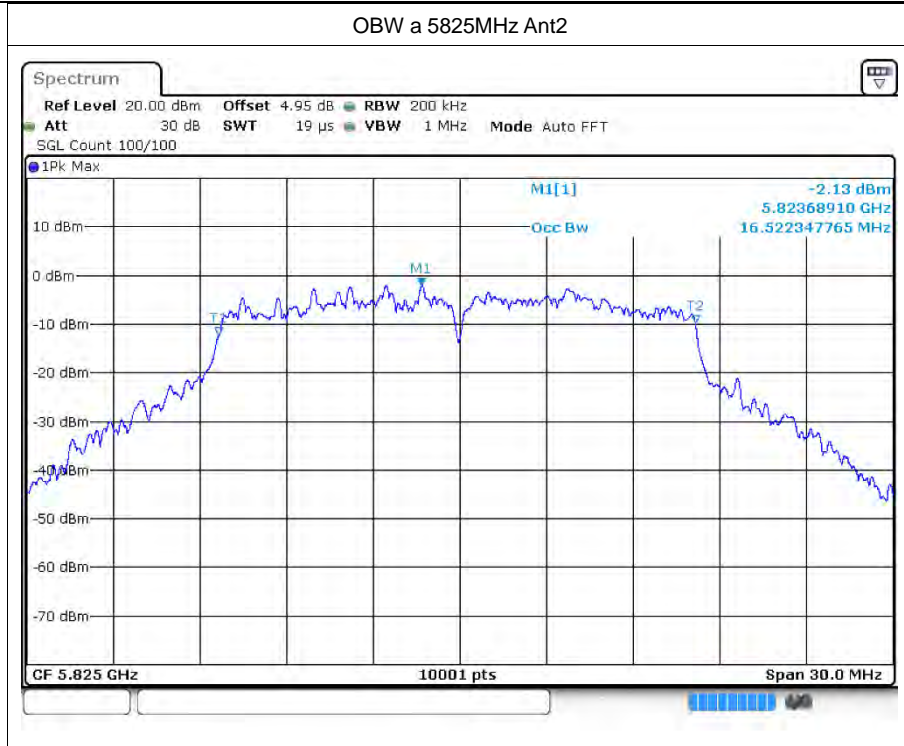
OBW ax40 5795MHz Ant1



OBW ax80 5775MHz Ant1

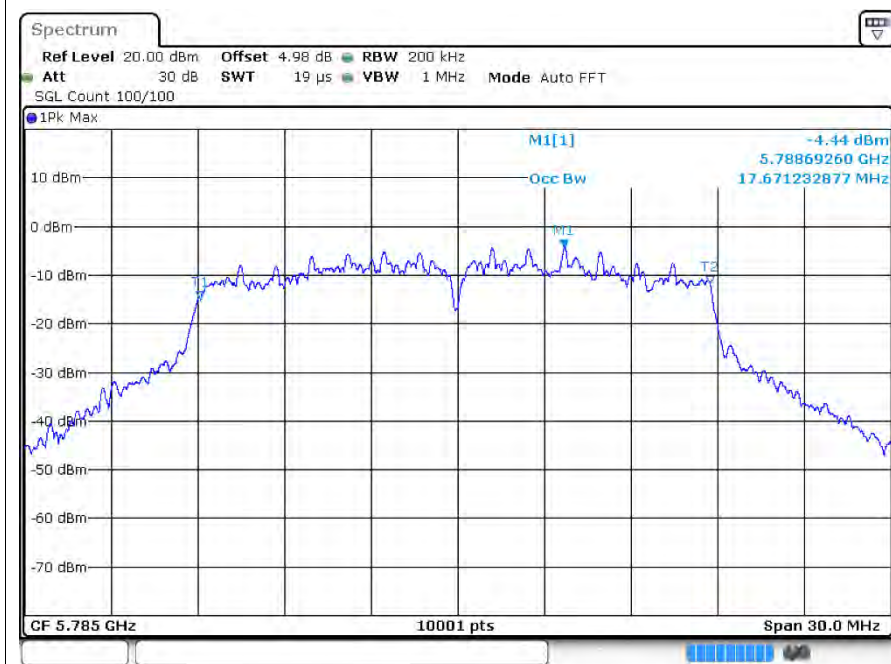








OBW n20 5785MHz Ant2



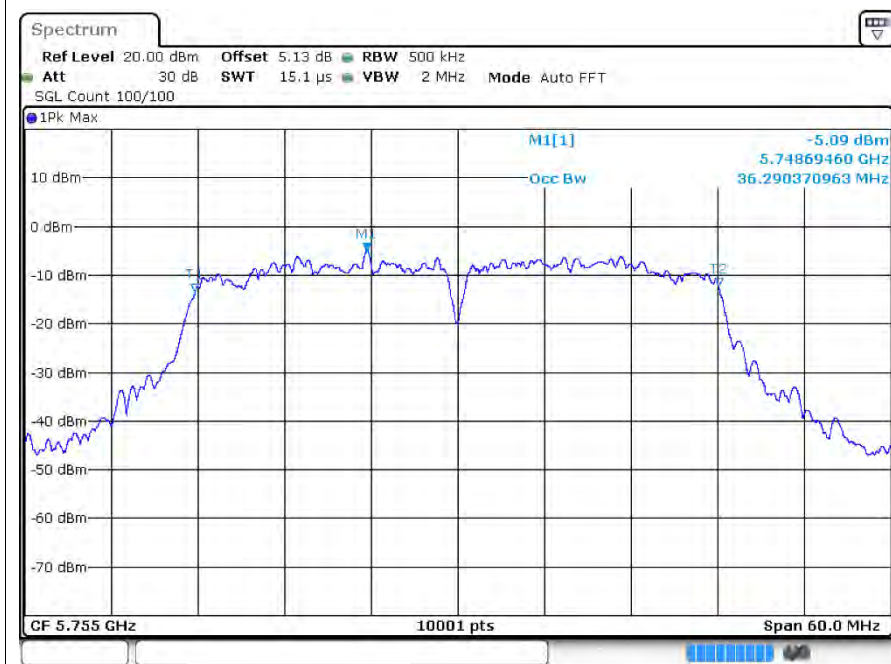
OBW n20 5825MHz Ant2







OBW n40 5755MHz Ant2

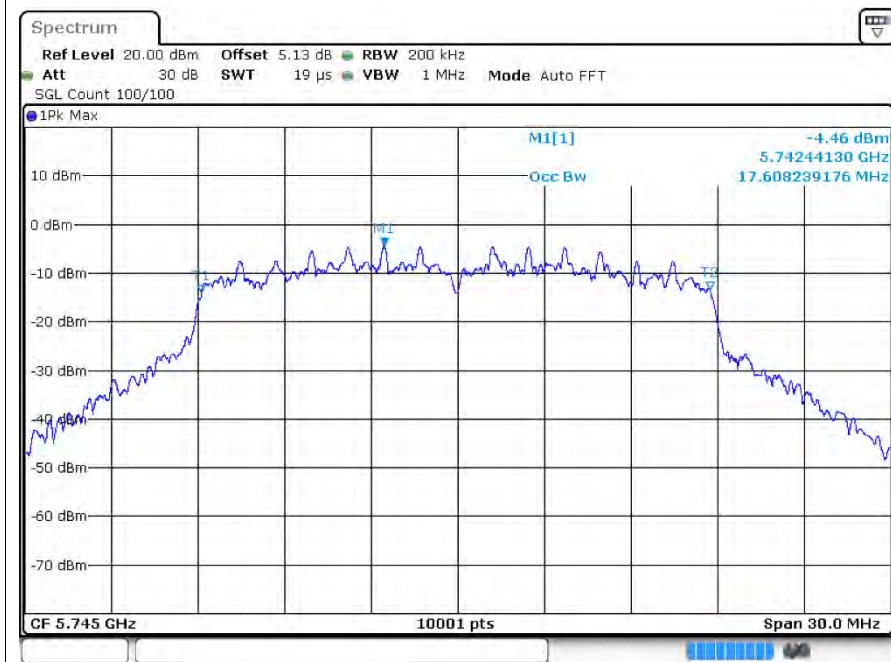


OBW n40 5795MHz Ant2





OBW ac20 5745MHz Ant2

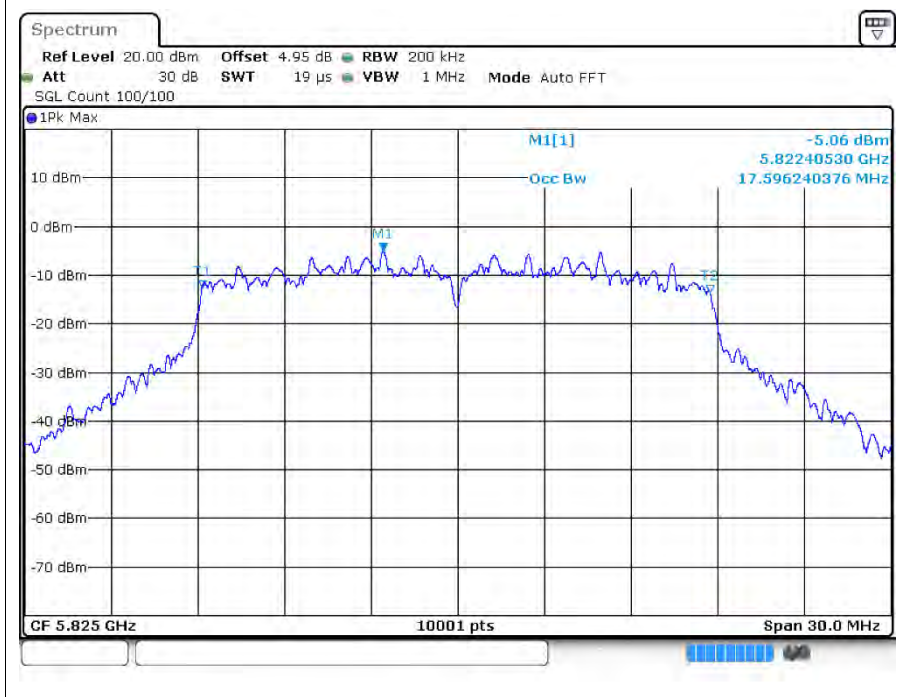


OBW ac20 5785MHz Ant2

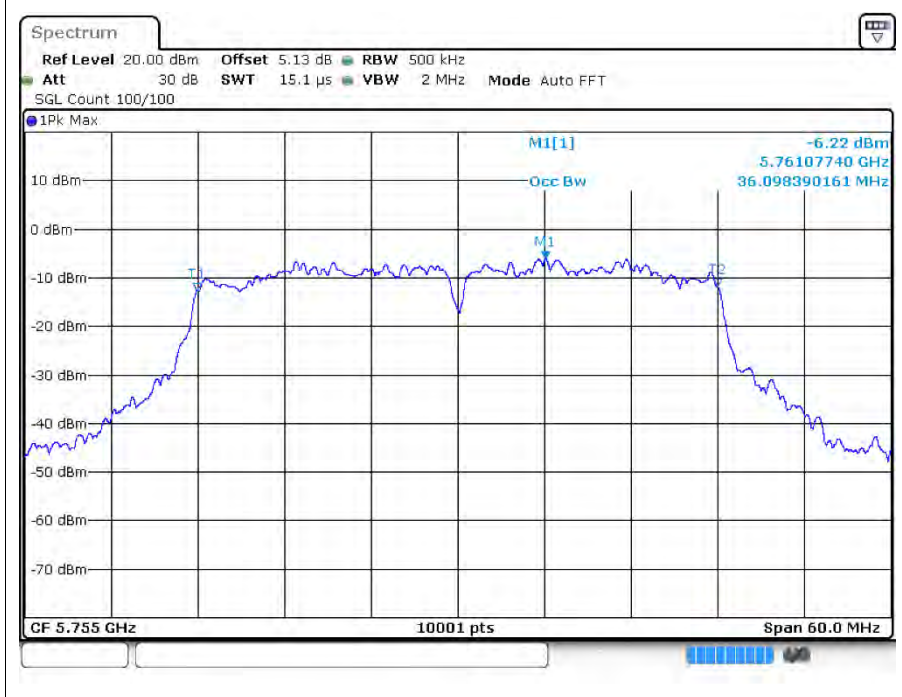


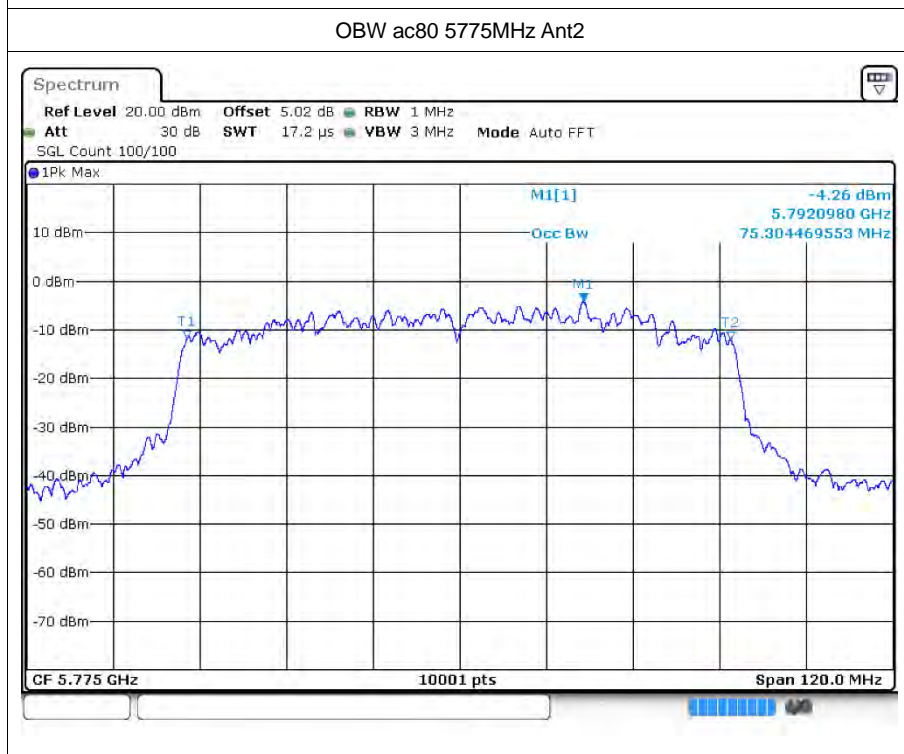
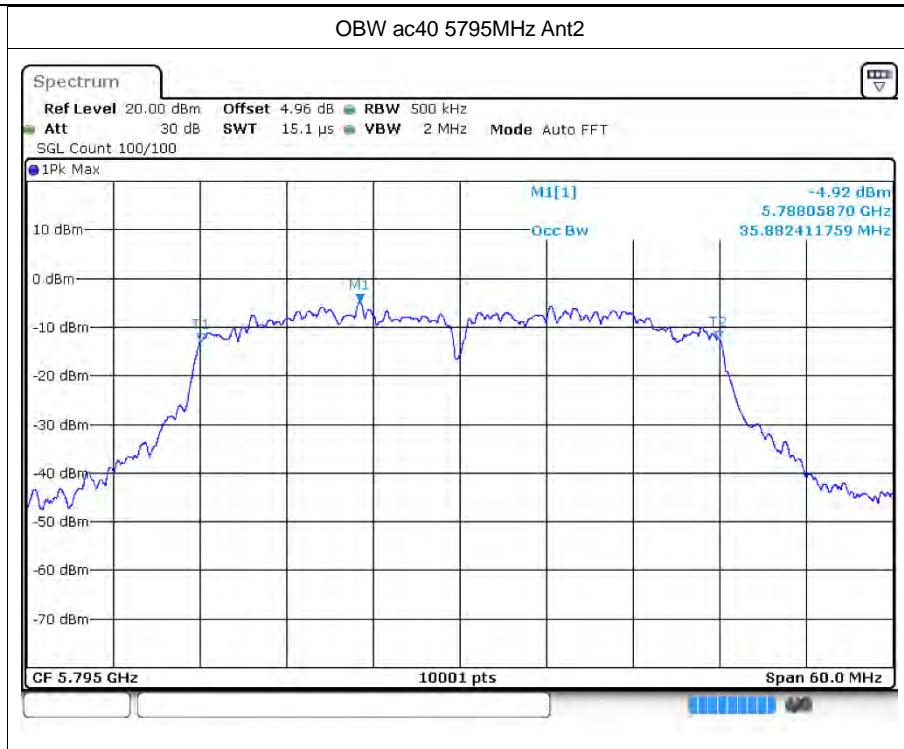


OBW ac20 5825MHz Ant2



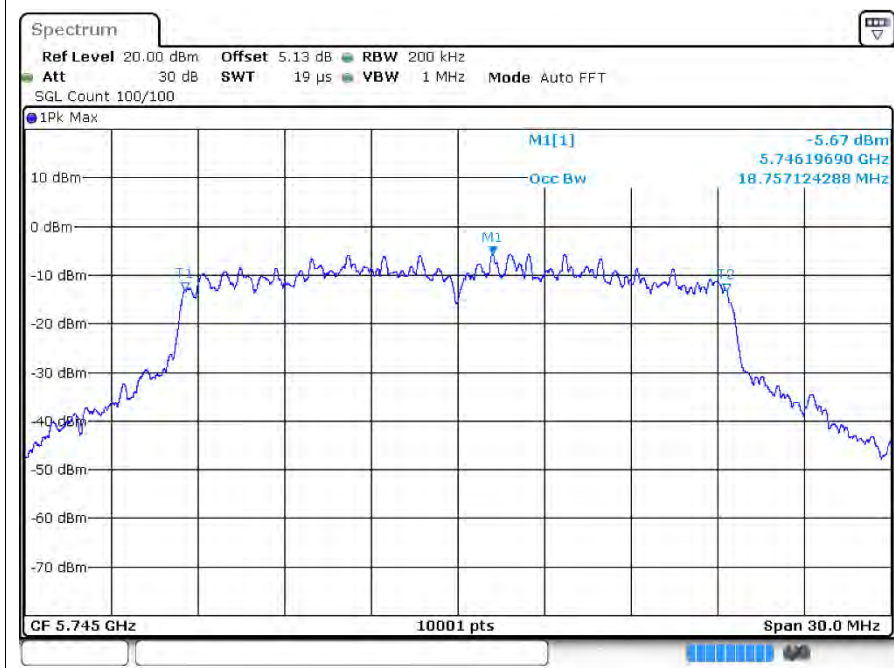
OBW ac40 5755MHz Ant2



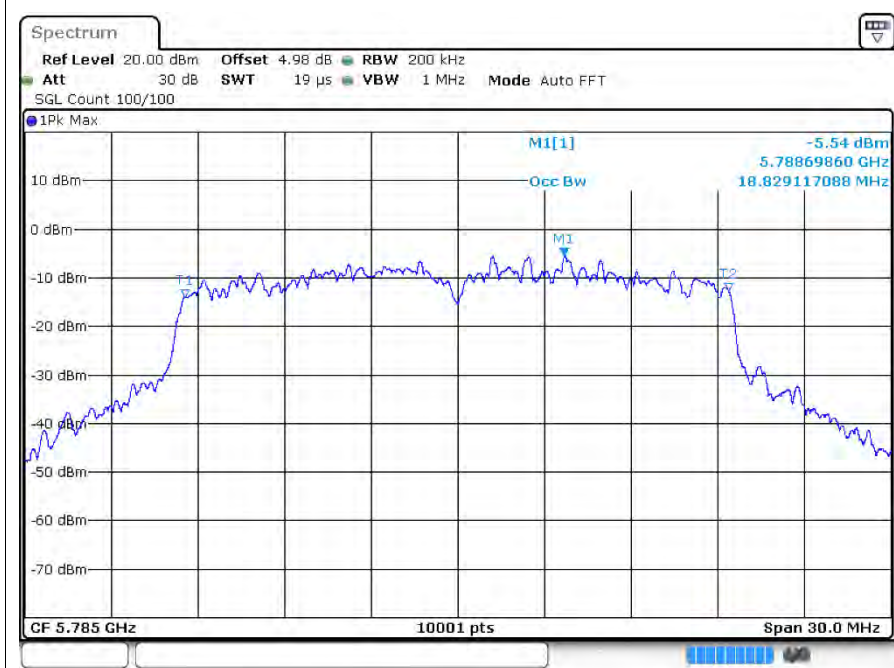




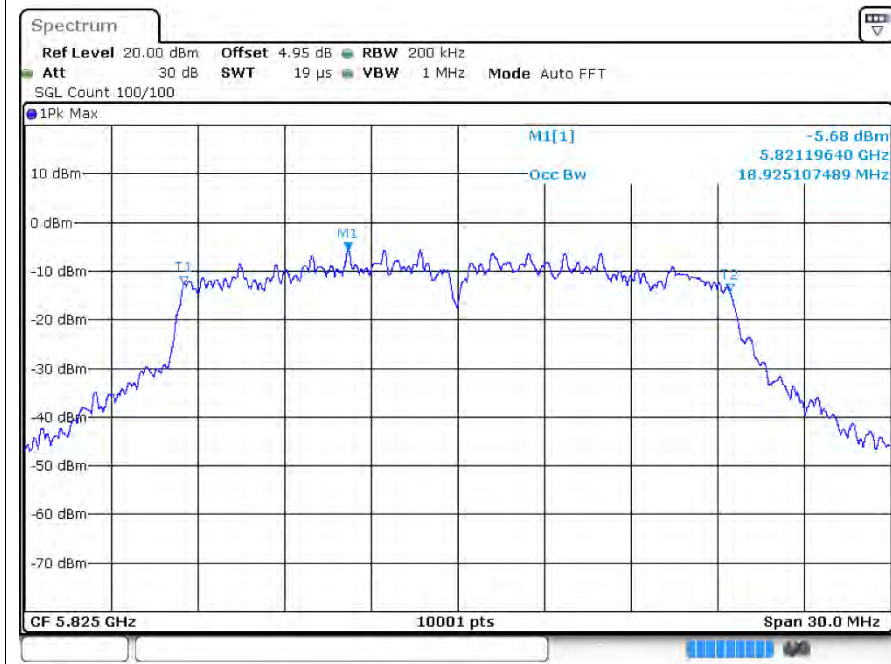
OBW ax20 5745MHz Ant2



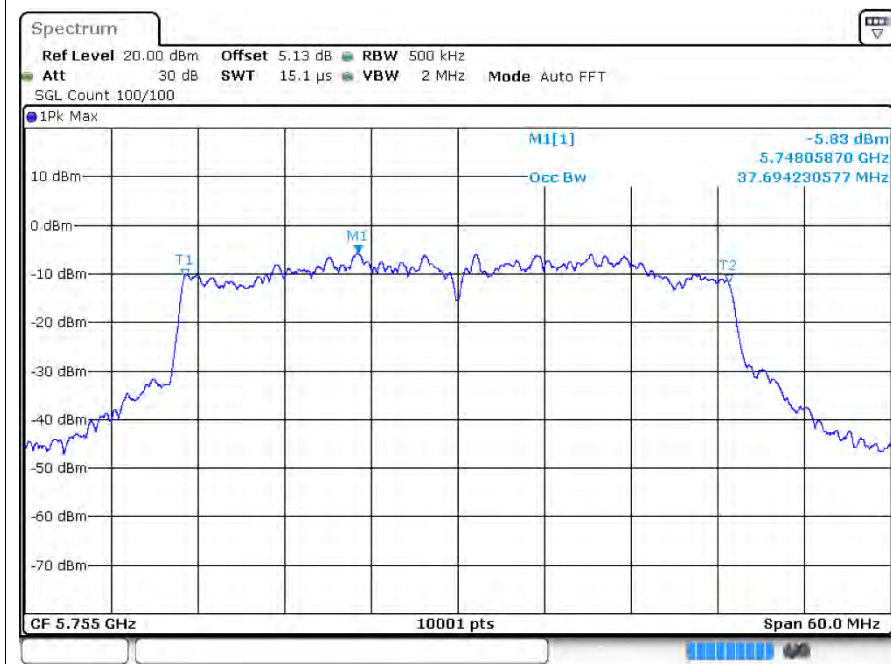
OBW ax20 5785MHz Ant2



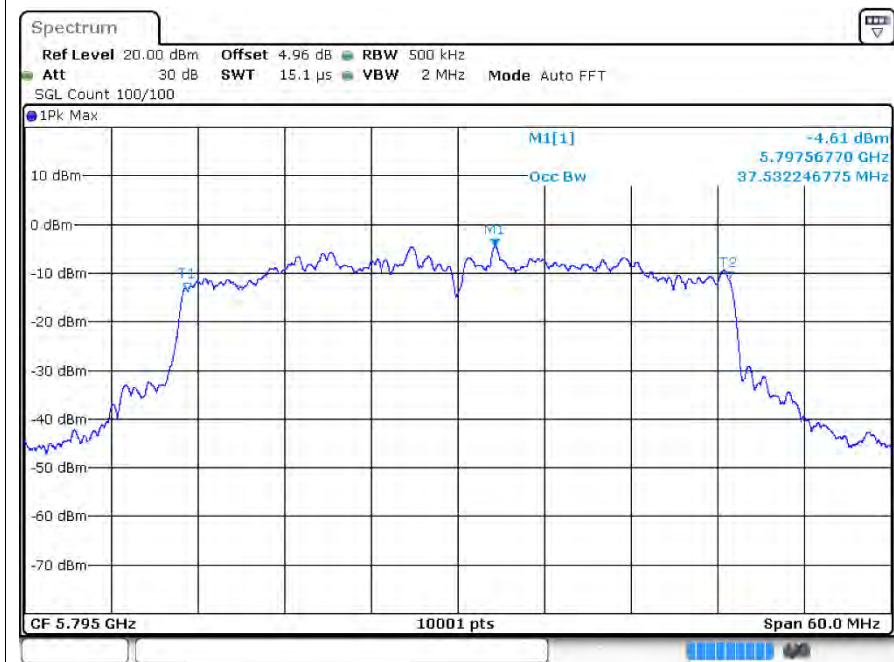
OBW ax20 5825MHz Ant2



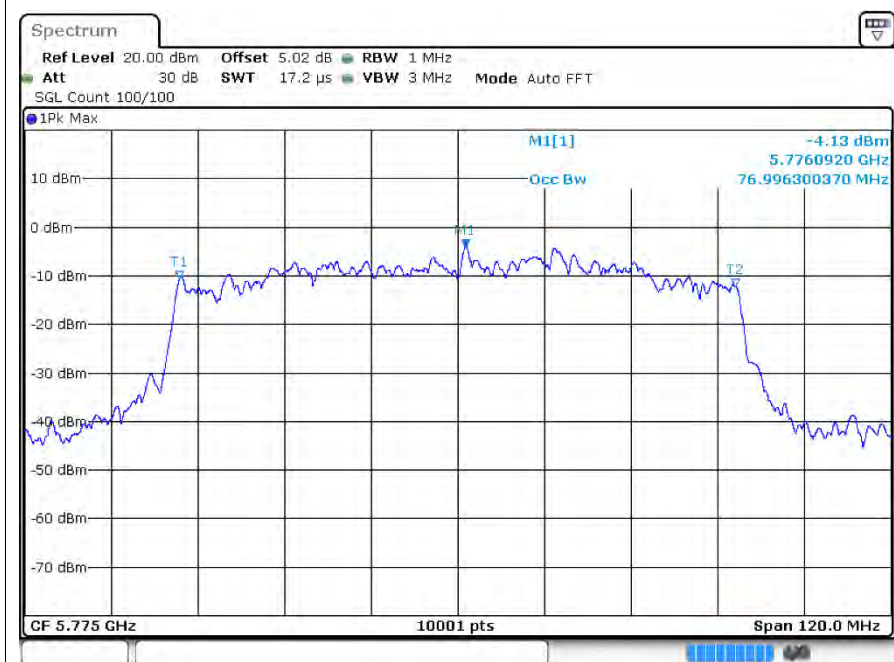
OBW ax40 5755MHz Ant2



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	-5.31	0.6	-4.71	30	Pass
a	5785	Ant1	-6.13	0.61	-5.52	30	Pass
a	5825	Ant1	-5.88	0.6	-5.28	30	Pass
a	5745	Ant2	-5.88	0.61	-5.27	30	Pass
a	5785	Ant2	-5.68	0.61	-5.07	30	Pass
a	5825	Ant2	-6.13	0.61	-5.52	30	Pass
n20	5745	Ant1	-8.31	0	-8.31	30	Pass
n20	5745	Ant2	-9.55	0	-9.55	30	Pass
n20	5745	Sum	-	-	-5.88	30	Pass
n20	5785	Ant1	-8.85	0	-8.85	30	Pass
n20	5785	Ant2	-9.01	0	-9.01	30	Pass
n20	5785	Sum	-	-	-5.92	30	Pass
n20	5825	Ant1	-9.45	0	-9.45	30	Pass
n20	5825	Ant2	-9.46	0	-9.46	30	Pass
n20	5825	Sum	-	-	-6.44	30	Pass
n40	5755	Ant1	-12.24	0	-12.24	30	Pass
n40	5755	Ant2	-13.21	0	-13.21	30	Pass
n40	5755	Sum	-	-	-9.69	30	Pass
n40	5795	Ant1	-12.79	0	-12.79	30	Pass
n40	5795	Ant2	-12.95	0	-12.95	30	Pass
n40	5795	Sum	-	-	-9.86	30	Pass
ac20	5745	Ant1	-8.41	0	-8.41	30	Pass
ac20	5745	Ant2	-9.62	0	-9.62	30	Pass
ac20	5745	Sum	-	-	-5.96	30	Pass
ac20	5785	Ant1	-10.06	0	-10.06	30	Pass
ac20	5785	Ant2	-9.24	0	-9.24	30	Pass
ac20	5785	Sum	-	-	-6.62	30	Pass
ac20	5825	Ant1	-9.14	0	-9.14	30	Pass
ac20	5825	Ant2	-9.64	0	-9.64	30	Pass
ac20	5825	Sum	-	-	-6.37	30	Pass
ac40	5755	Ant1	-11.86	0	-11.86	30	Pass
ac40	5755	Ant2	-13.54	0	-13.54	30	Pass
ac40	5755	Sum	-	-	-9.61	30	Pass
ac40	5795	Ant1	-13.11	0	-13.11	30	Pass

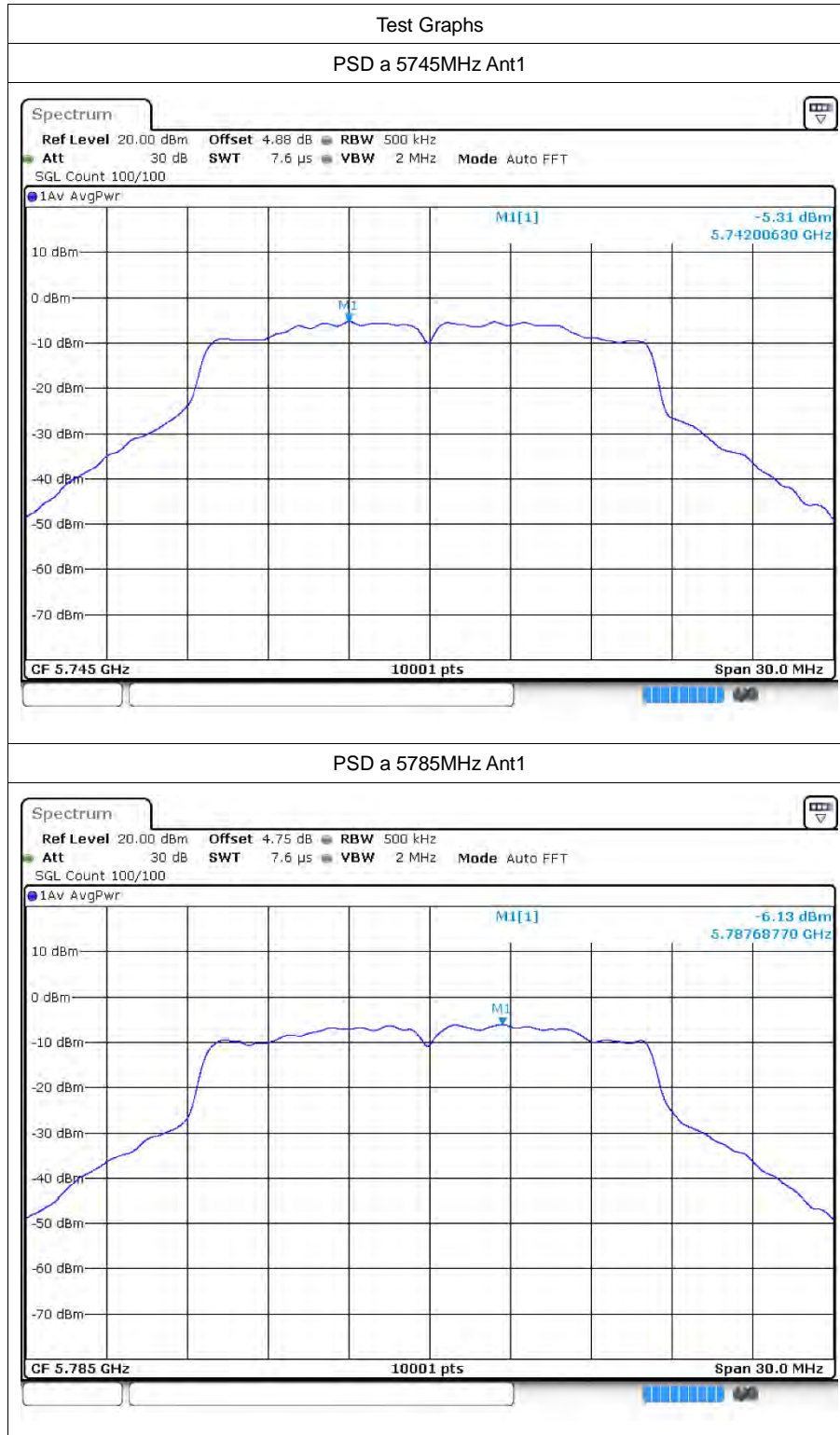


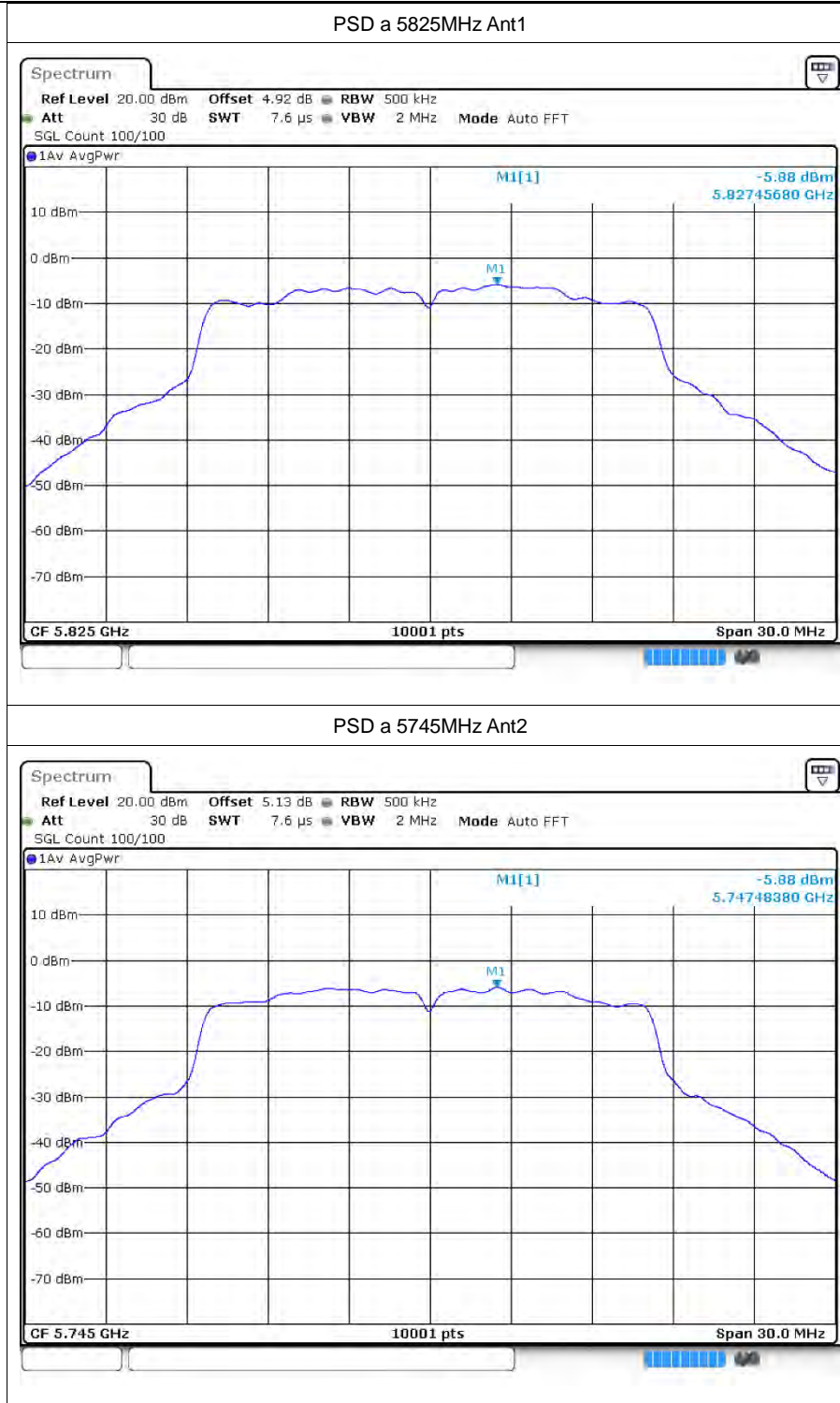


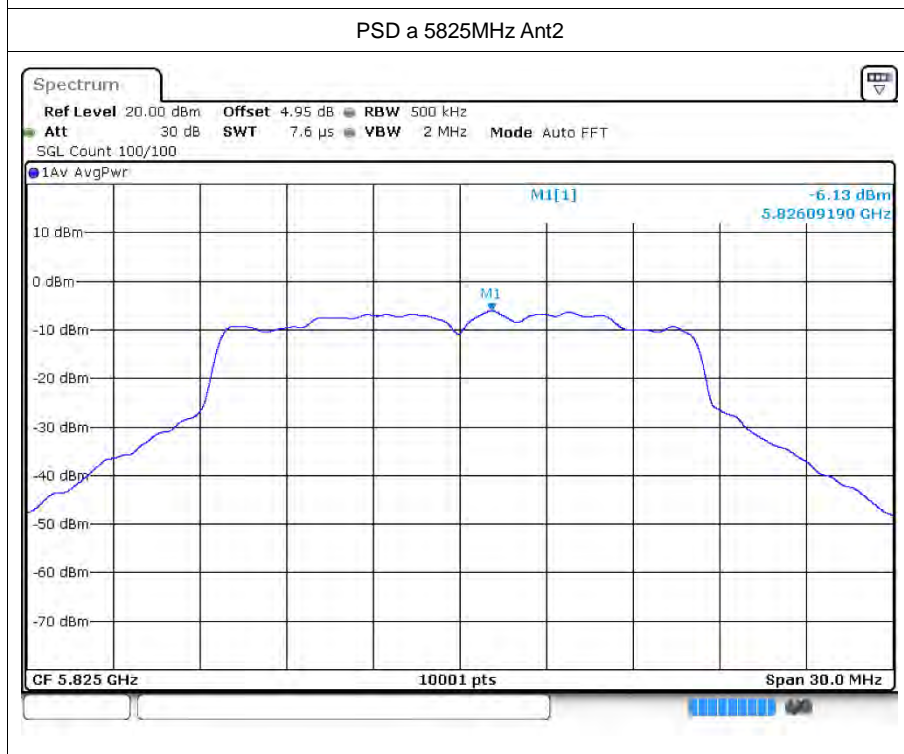
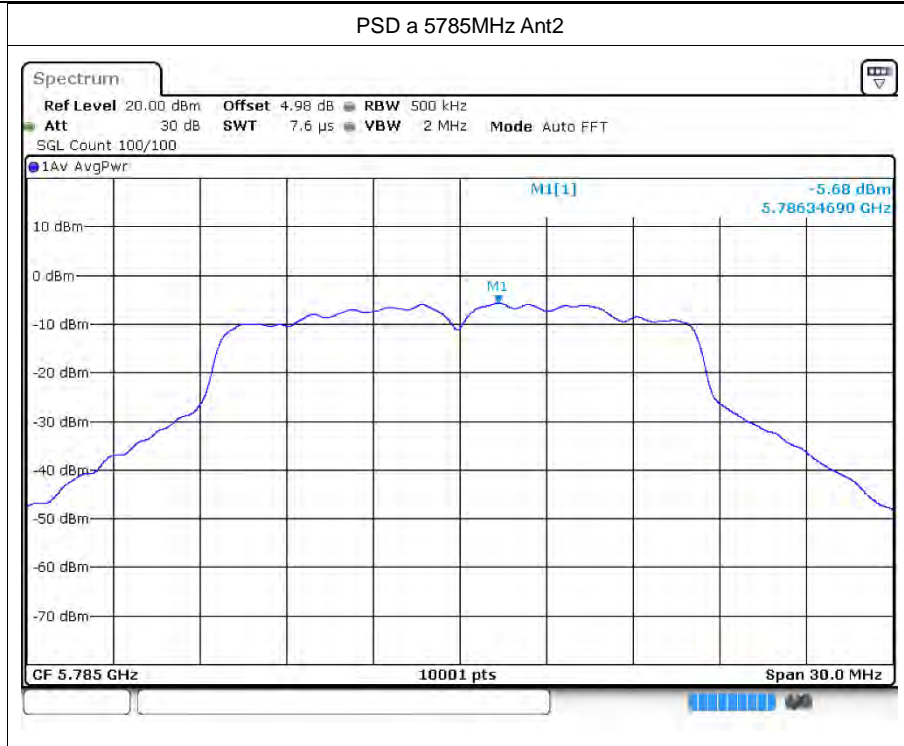
ac40	5795	Ant2	-13.27	0	-13.27	30	Pass
ac40	5795	Sum	-	-	-10.18	30	Pass
ac80	5775	Ant1	-15.11	0	-15.11	30	Pass
ac80	5775	Ant2	-16.12	0	-16.12	30	Pass
ac80	5775	Sum	-	-	-12.58	30	Pass
ax20	5745	Ant1	-9.14	0	-9.14	30	Pass
ax20	5745	Ant2	-10.26	0	-10.26	30	Pass
ax20	5745	Sum	-	-	-6.65	30	Pass
ax20	5785	Ant1	-10.26	0	-10.26	30	Pass
ax20	5785	Ant2	-10.49	0	-10.49	30	Pass
ax20	5785	Sum	-	-	-7.36	30	Pass
ax20	5825	Ant1	-10.08	0	-10.08	30	Pass
ax20	5825	Ant2	-10.47	0	-10.47	30	Pass
ax20	5825	Sum	-	-	-7.26	30	Pass
ax40	5755	Ant1	-13.19	0	-13.19	30	Pass
ax40	5755	Ant2	-14.52	0	-14.52	30	Pass
ax40	5755	Sum	-	-	-10.79	30	Pass
ax40	5795	Ant1	-13.67	0	-13.67	30	Pass
ax40	5795	Ant2	-15.01	0	-15.01	30	Pass
ax40	5795	Sum	-	-	-11.28	30	Pass
ax80	5775	Ant1	-15.64	0	-15.64	30	Pass
ax80	5775	Ant2	-17.07	0	-17.07	30	Pass
ax80	5775	Sum	-	-	-13.29	30	Pass



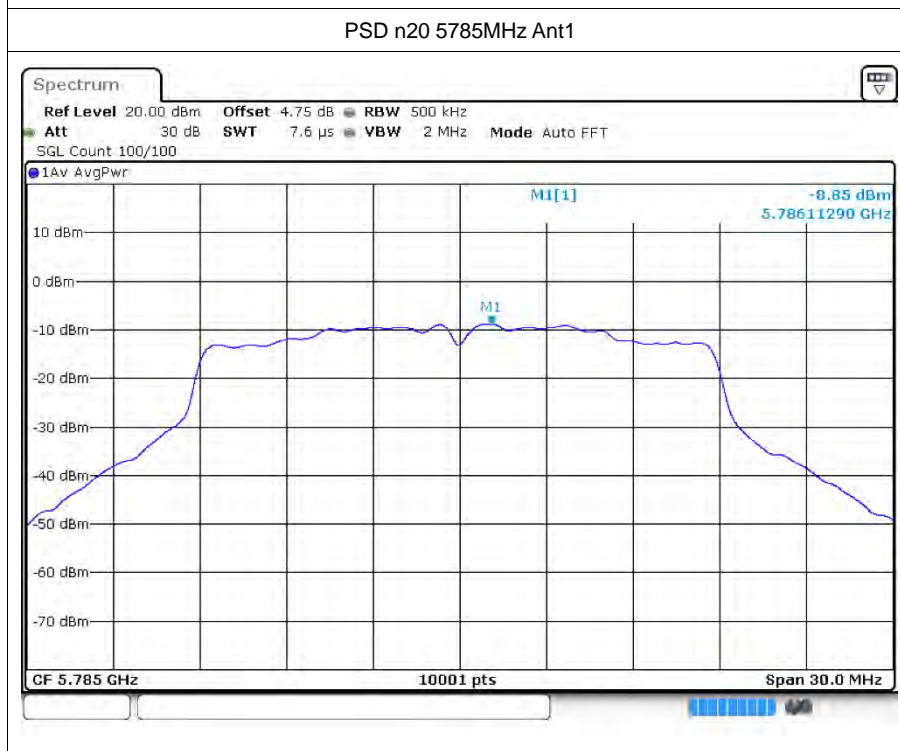
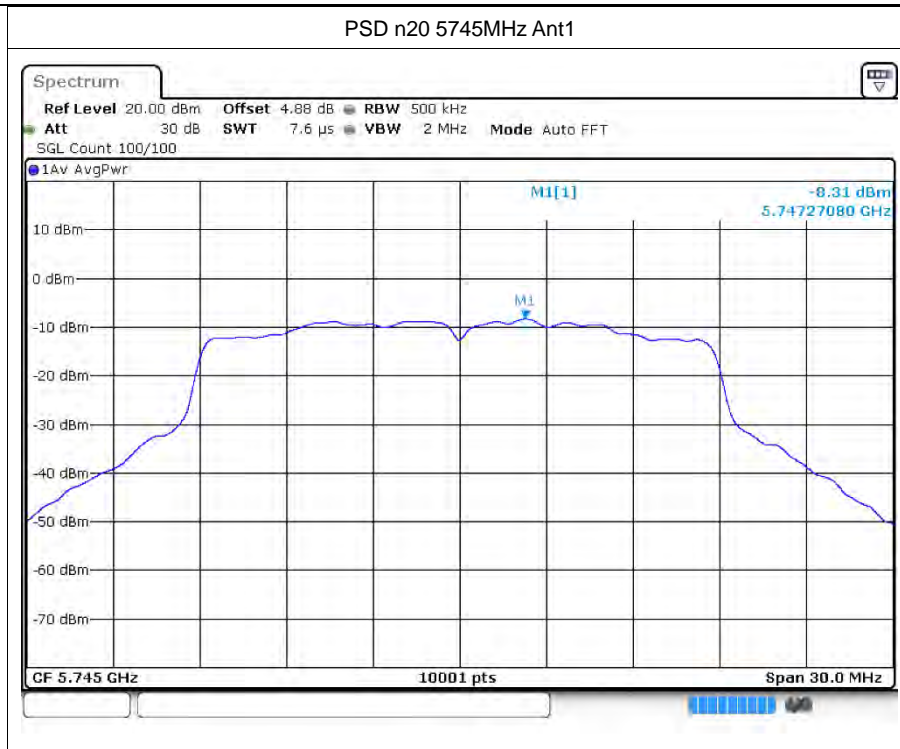
## 5.2 Test Graphs

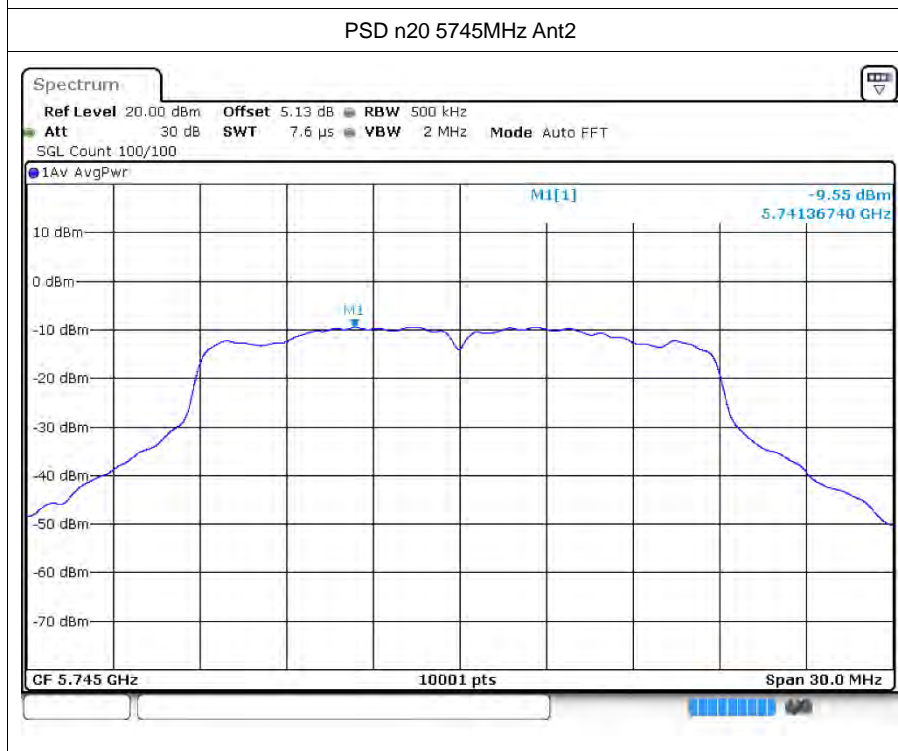
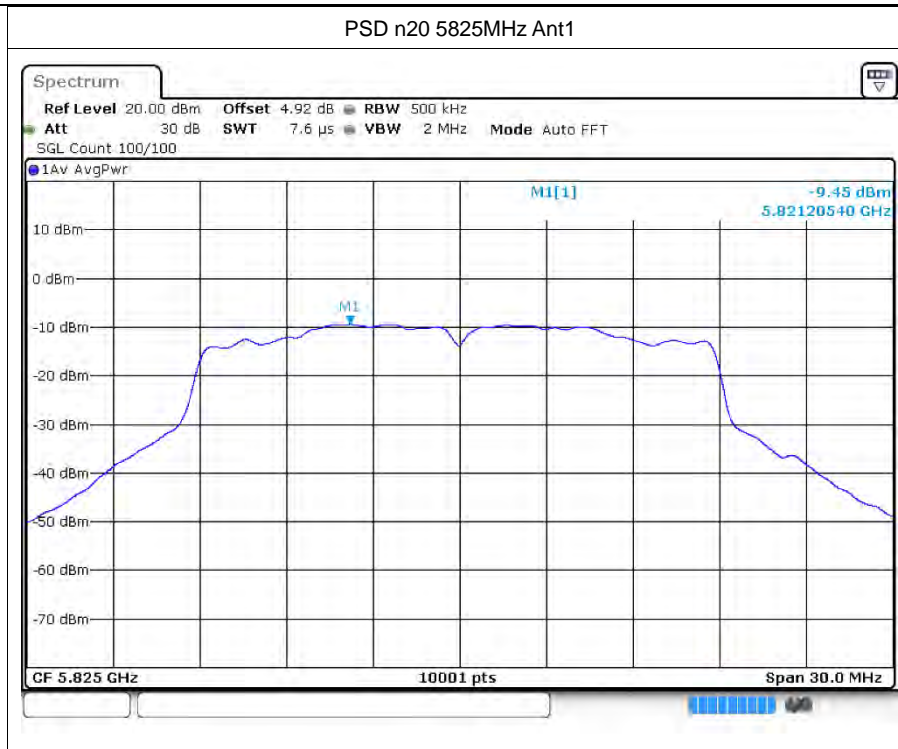


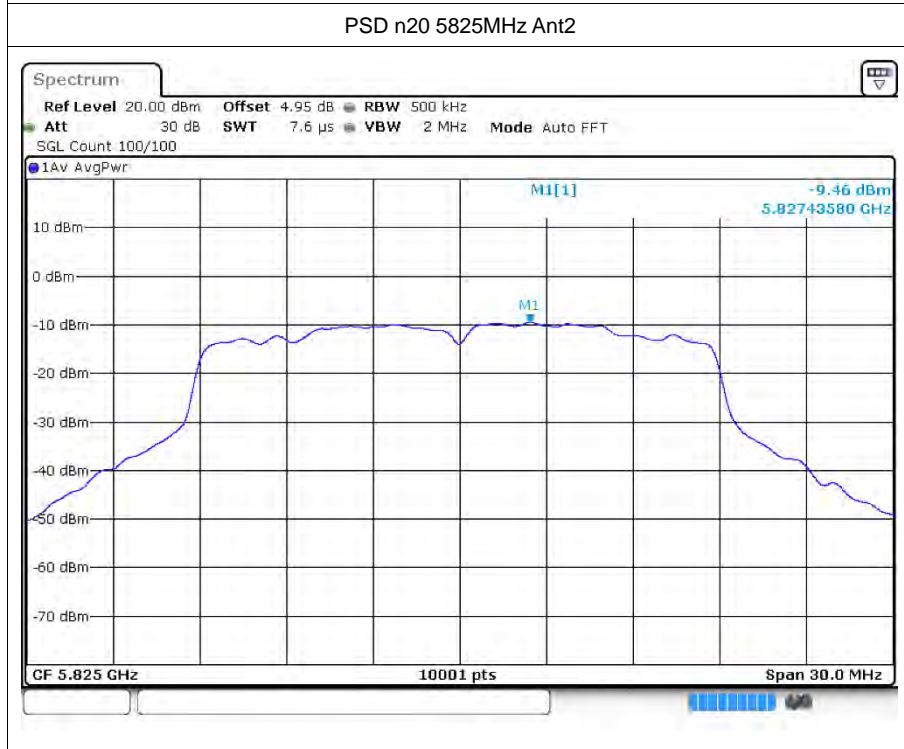
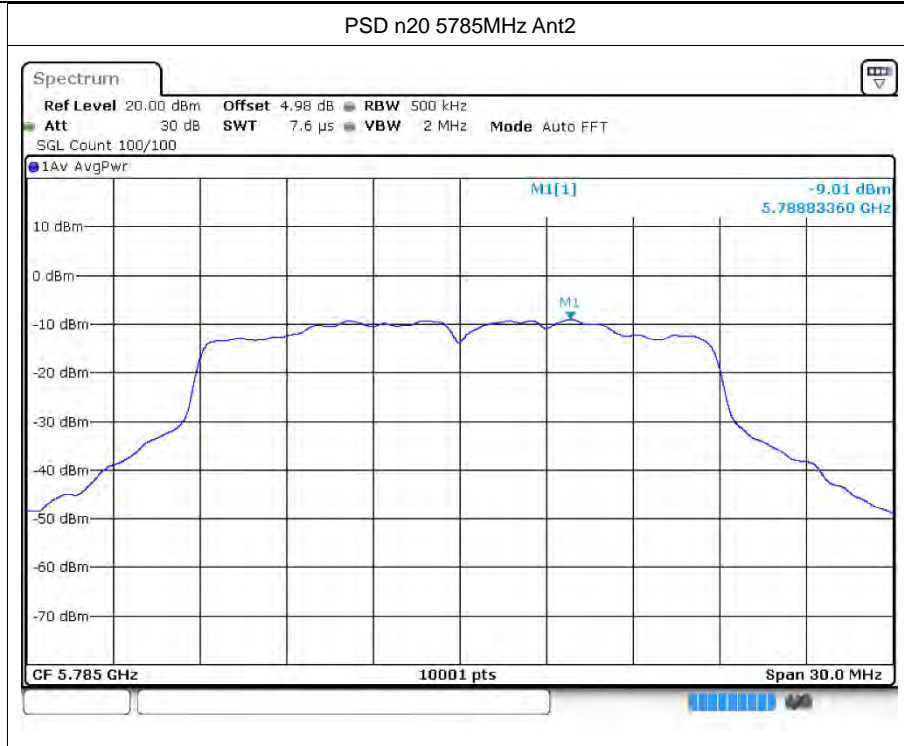


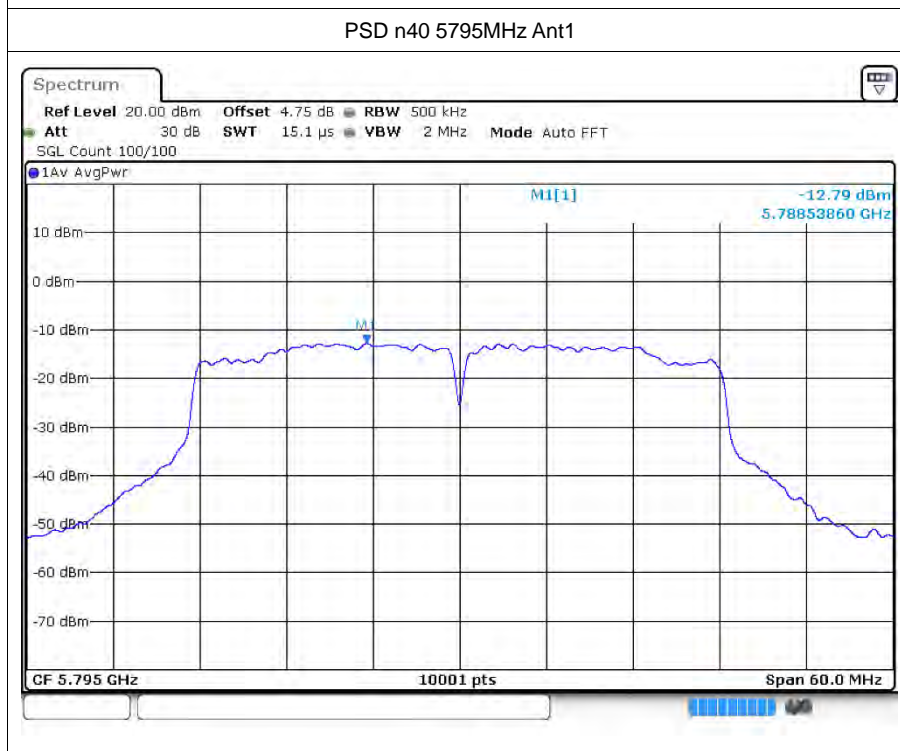
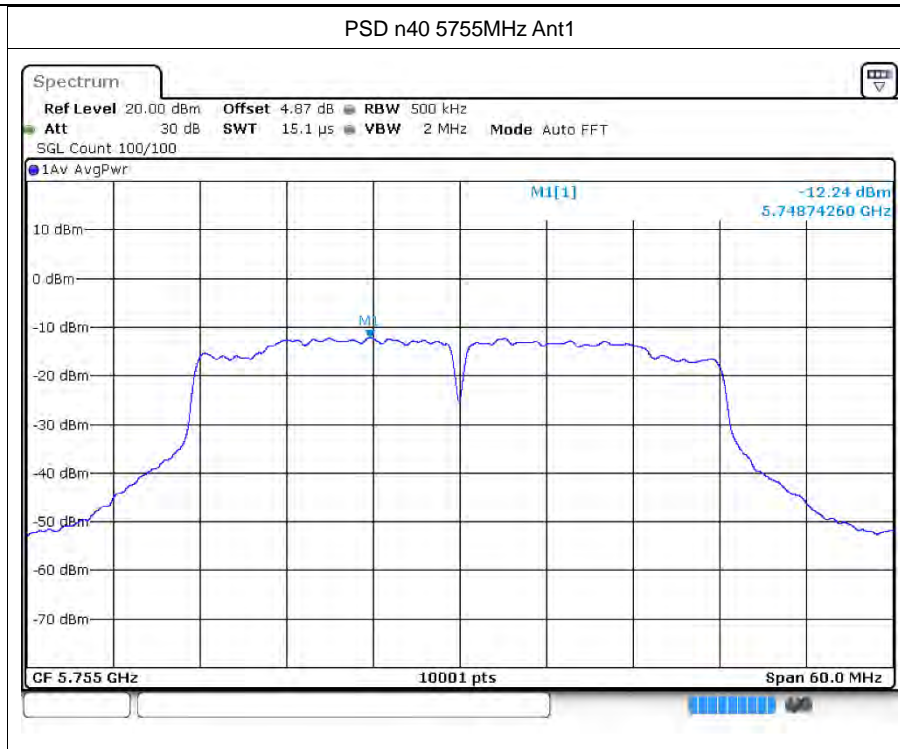




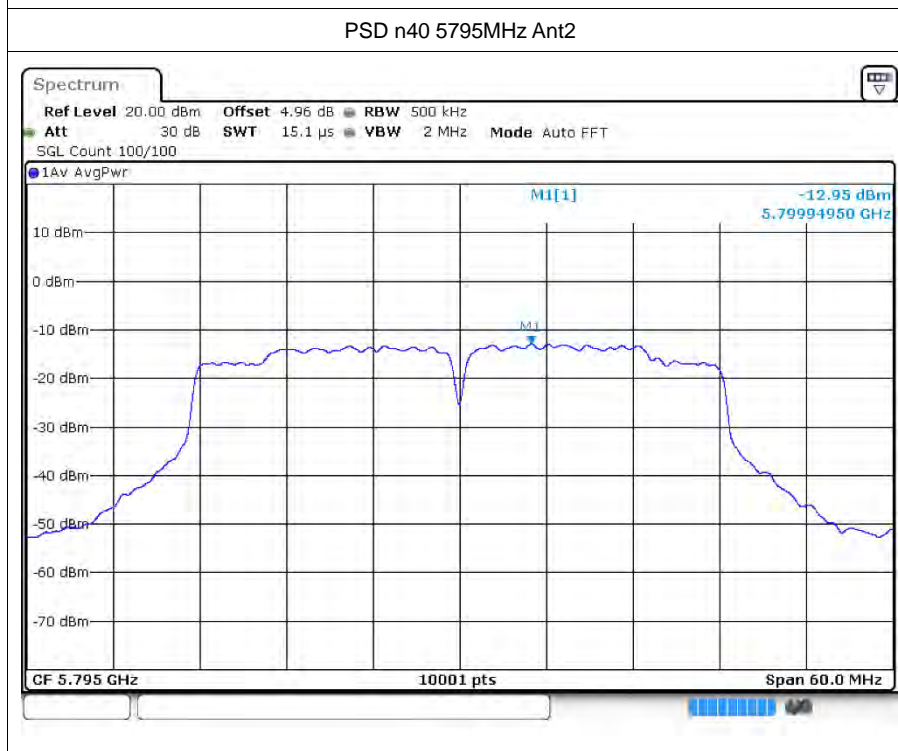
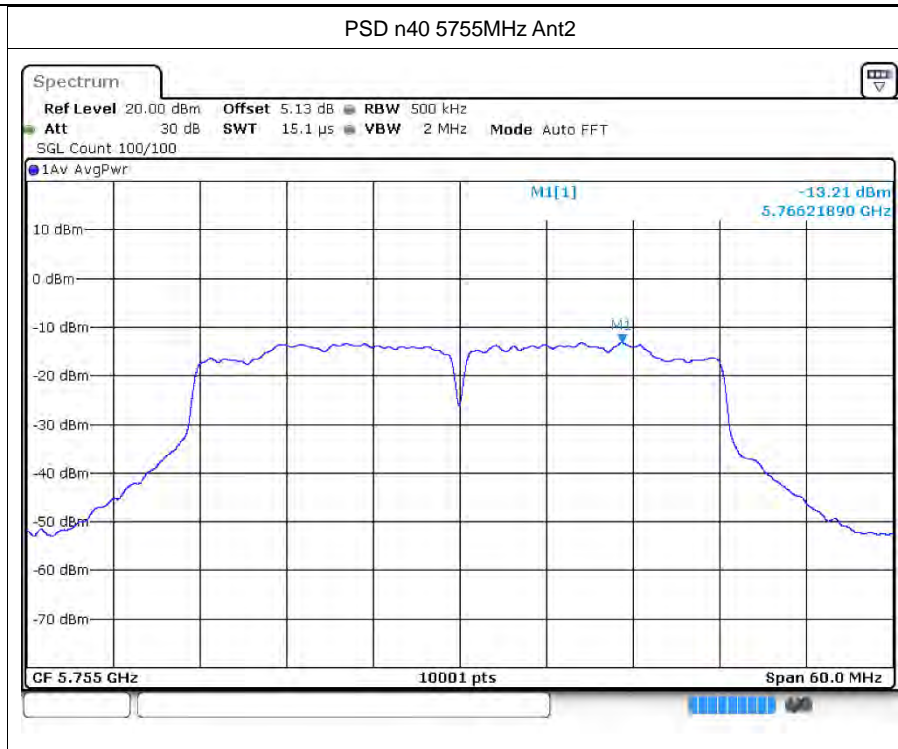


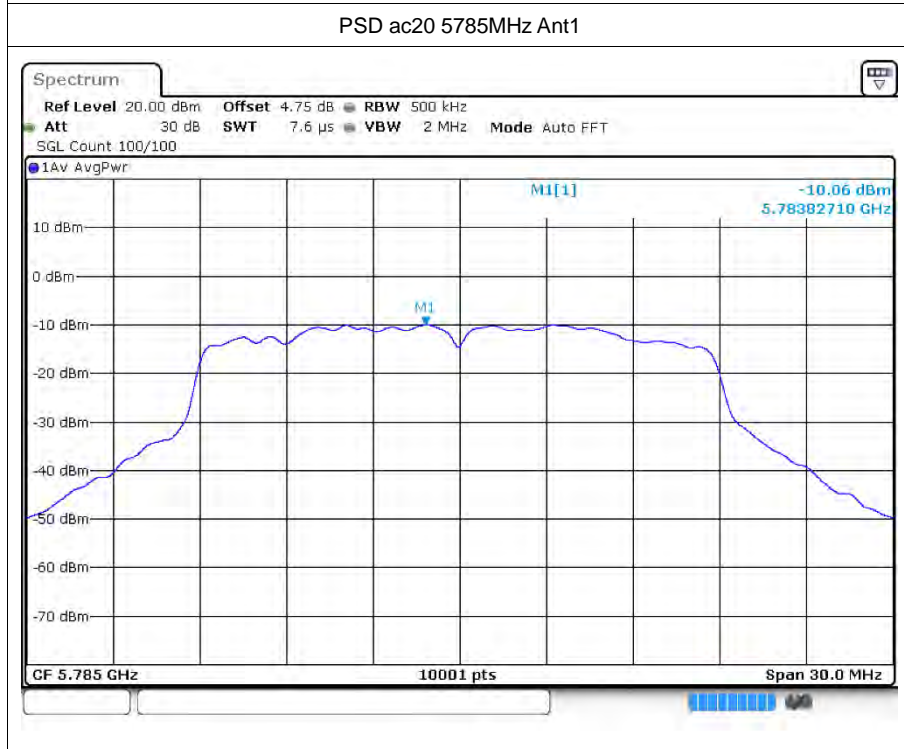
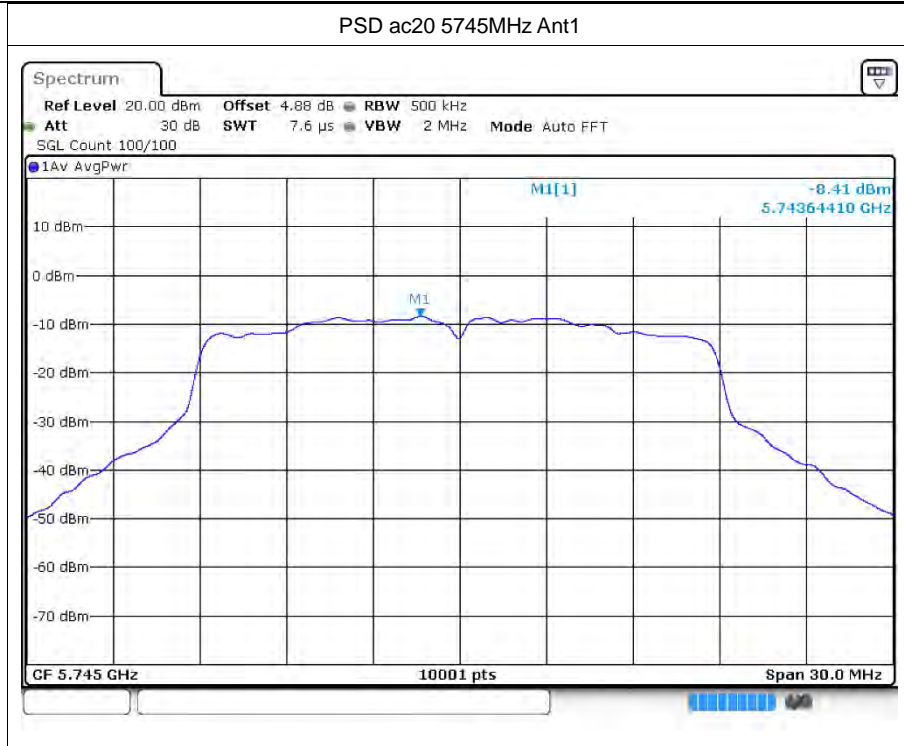


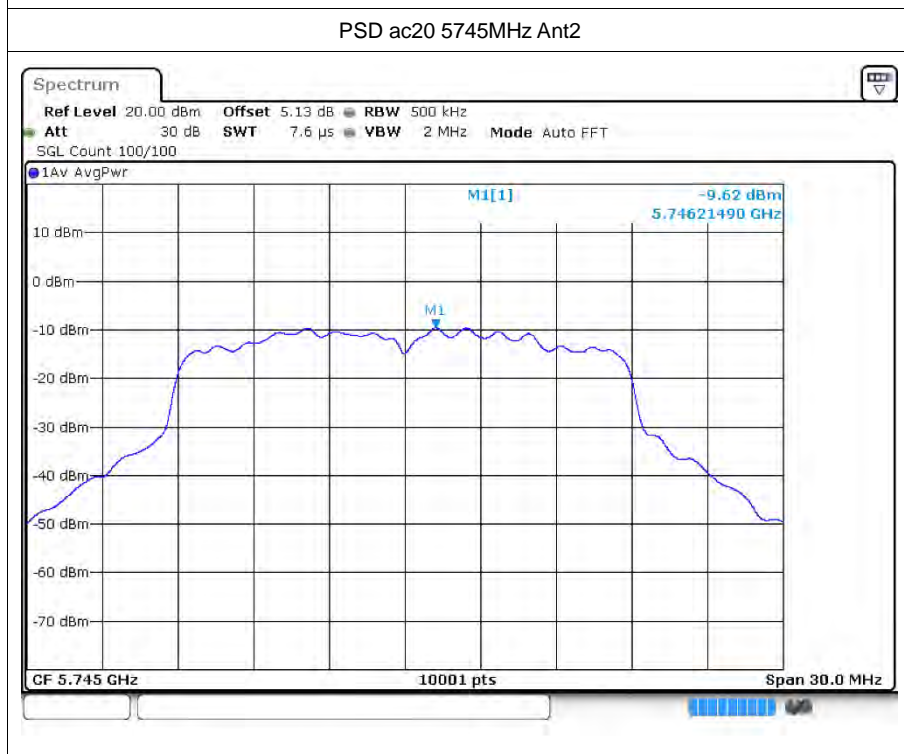
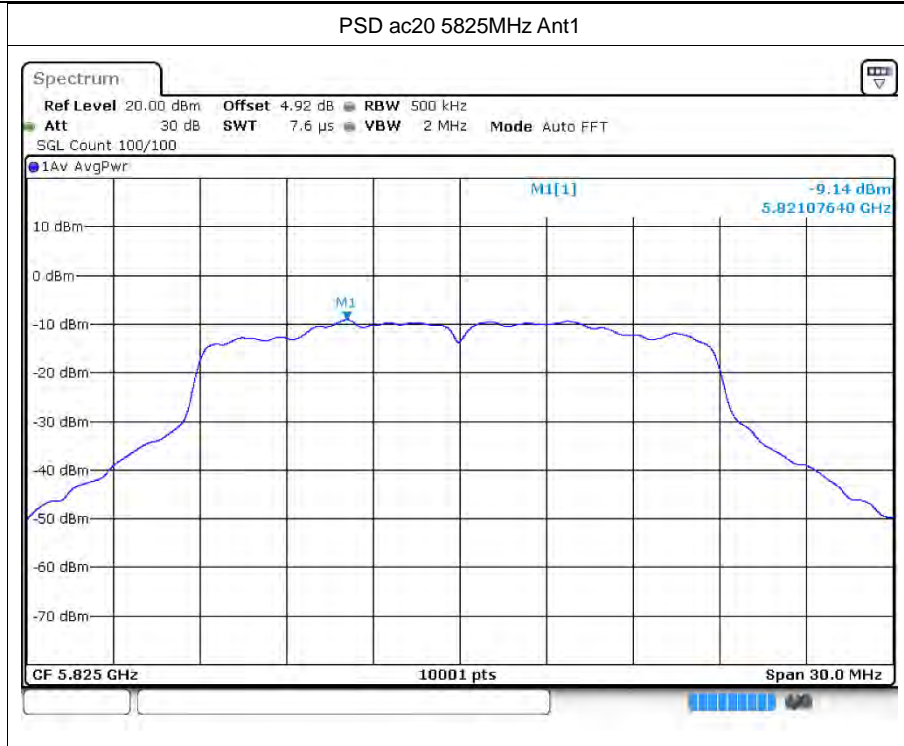


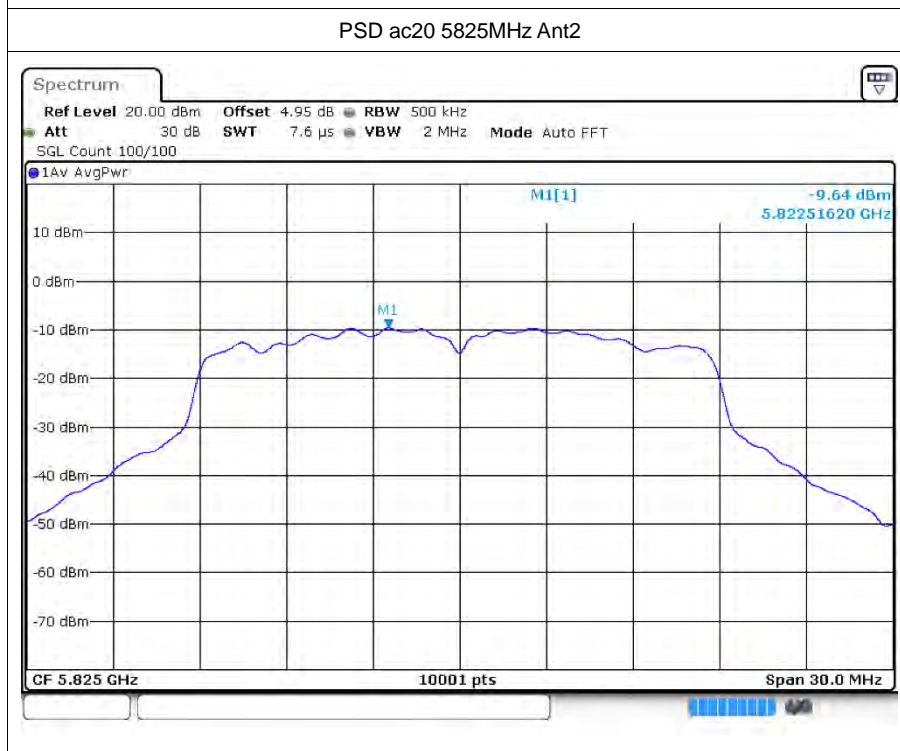
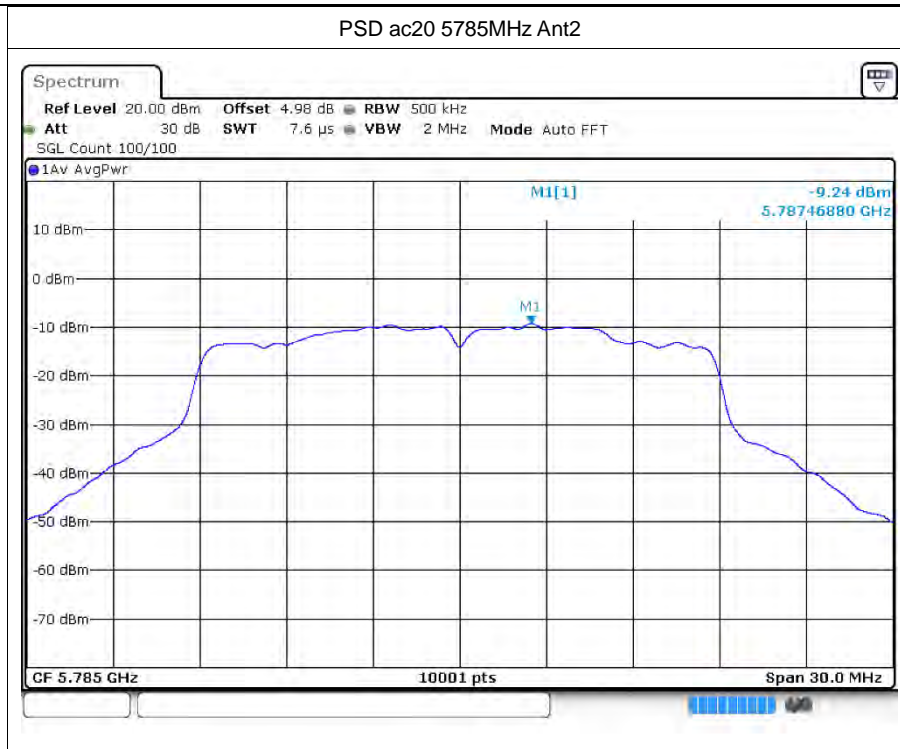






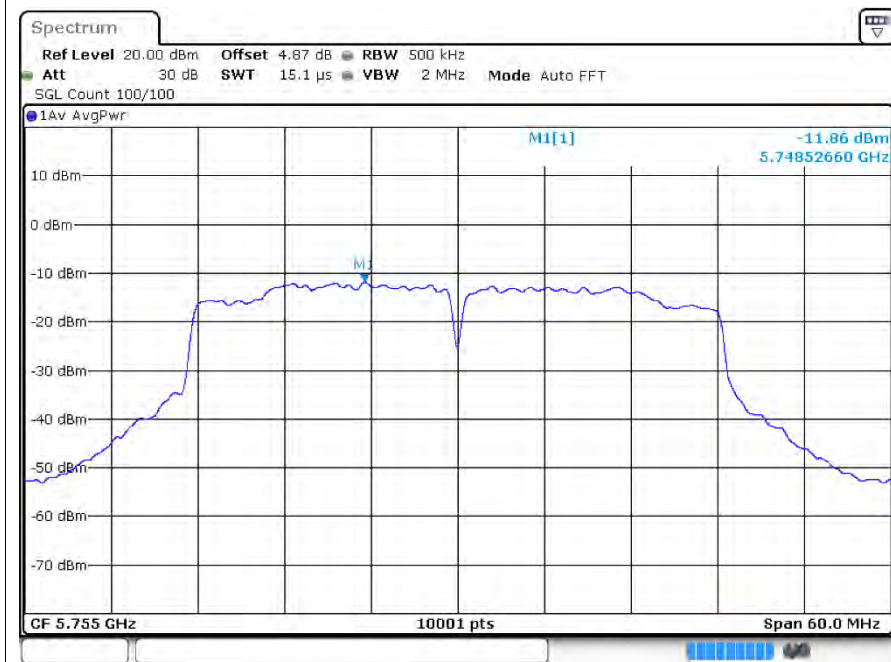




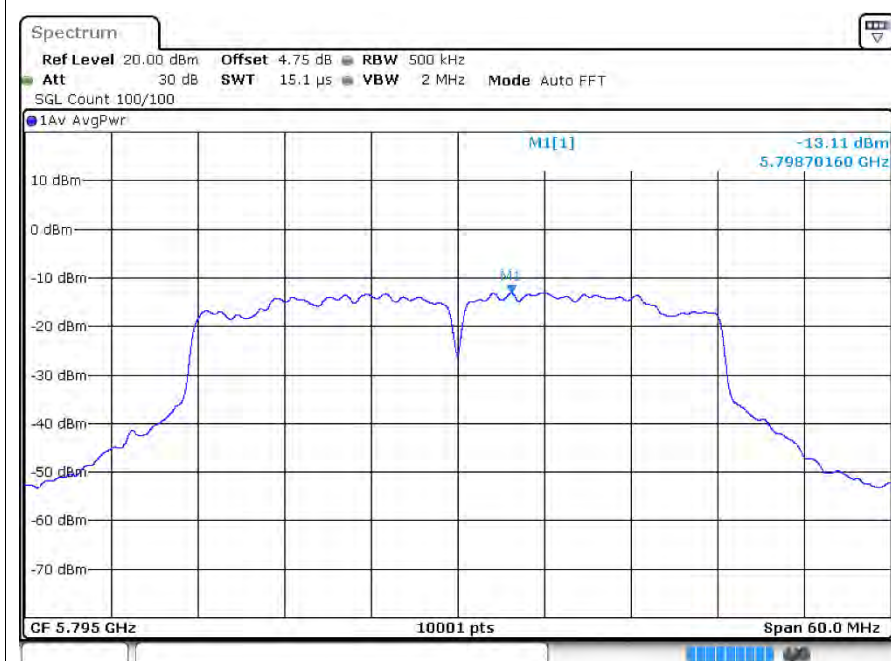




PSD ac40 5755MHz Ant1

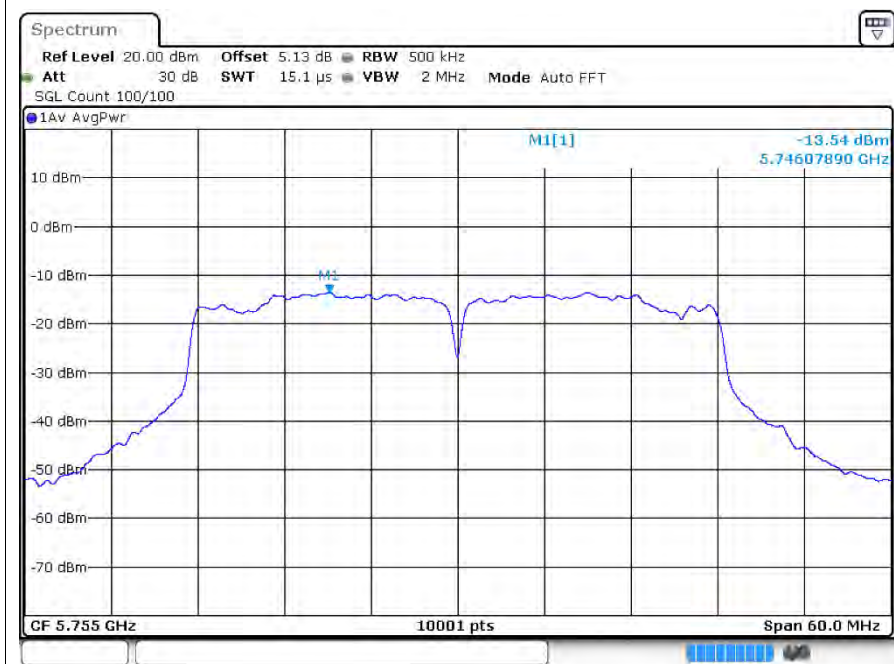


PSD ac40 5795MHz Ant1

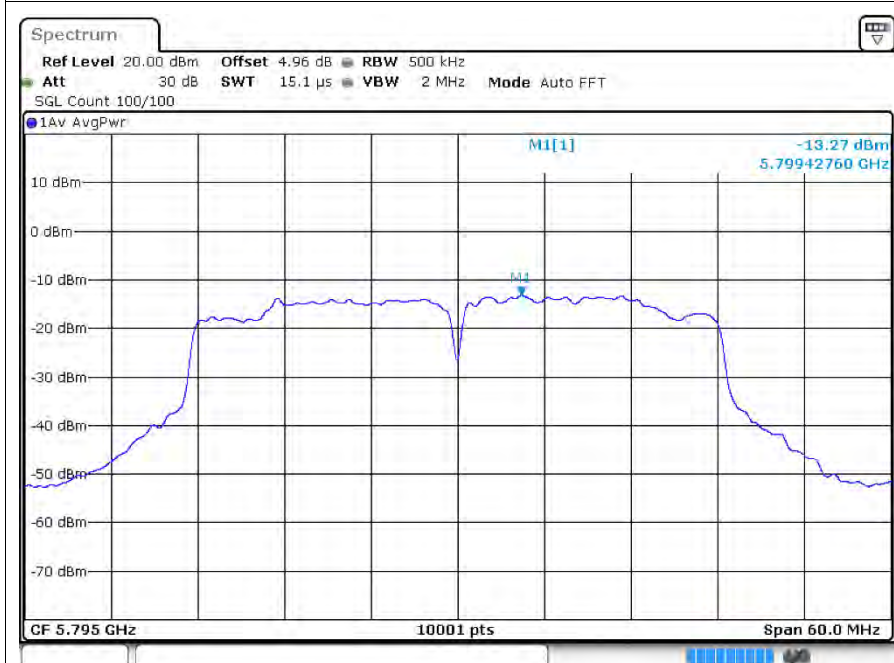




PSD ac40 5755MHz Ant2

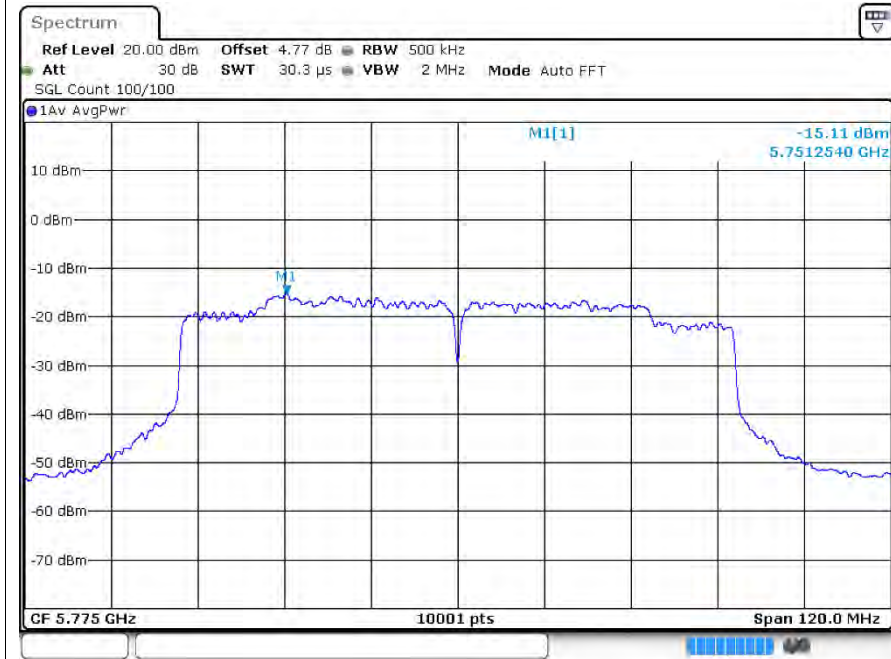


PSD ac40 5795MHz Ant2





PSD ac80 5775MHz Ant1



PSD ac80 5775MHz Ant2

