Appendix E

RF Test Data for 5.8GWIFI(Conducted Measurement)

Product Name: Smart Electronic Blackboard

Trade Mark: INDOTA

Test Model: IN-TVH4K

Environmental Conditions

Temperature:	25.3° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen

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1 Duty Cycle

1.1 Test Result

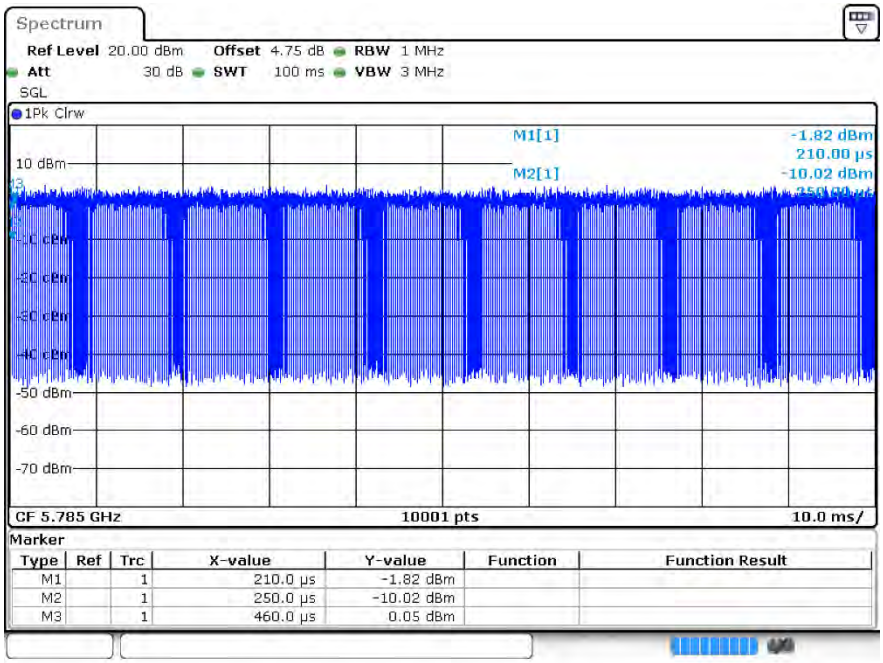
Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
a	5745	Ant1	86.99	0.61	4.76
a	5785	Ant1	86.93	0.61	4.76
a	5825	Ant1	86.9	0.61	4.76
a	5745	Ant2	87.06	0.6	4.76
a	5785	Ant2	86.89	0.61	4.76
a	5825	Ant2	86.94	0.61	4.76
n20	5745	Ant1	92.99	0.32	2.22
n20	5785	Ant1	92.96	0.32	2.27
n20	5825	Ant1	92.99	0.32	2.22
n20	5745	Ant2	93.06	0.31	2.22
n20	5785	Ant2	93.04	0.31	2.22
n20	5825	Ant2	93.03	0.31	2.22
n40	5755	Ant1	92.91	0.32	2.22
n40	5795	Ant1	92.93	0.32	2.27
n40	5755	Ant2	92.22	0.35	2.27
n40	5795	Ant2	92.67	0.33	2.27
ac20	5745	Ant1	87.11	0.6	4.35
ac20	5785	Ant1	87.06	0.6	4.55
ac20	5825	Ant1	87.04	0.6	4.35
ac20	5745	Ant2	87.1	0.6	4.55
ac20	5785	Ant2	87.07	0.6	4.35
ac20	5825	Ant2	87.03	0.6	4.55
ac40	5755	Ant1	87.27	0.59	4.35
ac40	5795	Ant1	87.31	0.59	4.35
ac40	5755	Ant2	87.14	0.6	4.55
ac40	5795	Ant2	86.26	0.64	4.35
ac80	5775	Ant1	86.72	0.62	4.35
ac80	5775	Ant2	81.03	0.91	4.76

1.2 Test Graphs

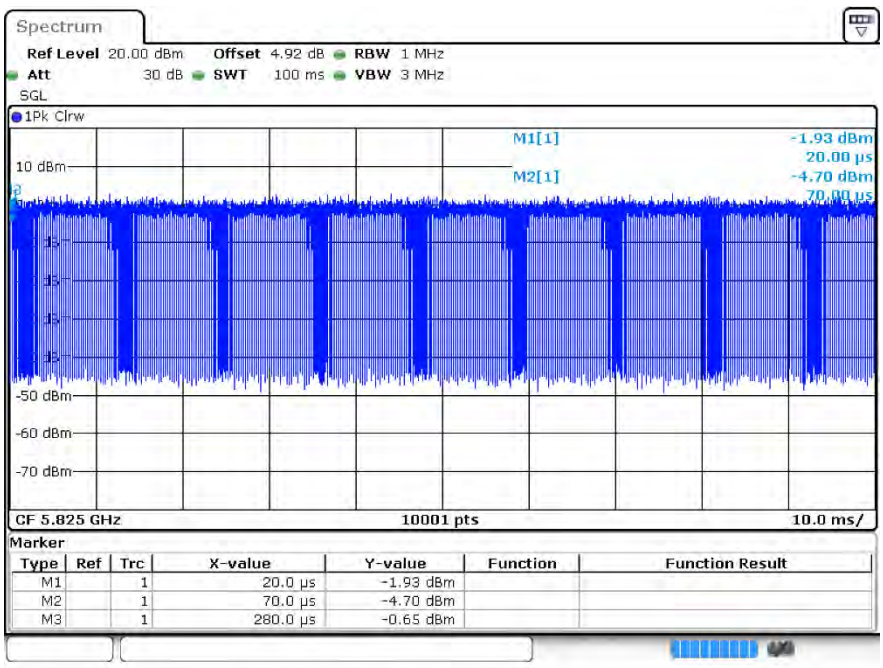
Test Graphs

Duty Cycle a 5745MHz Ant1

Duty Cycle a 5785MHz Ant1



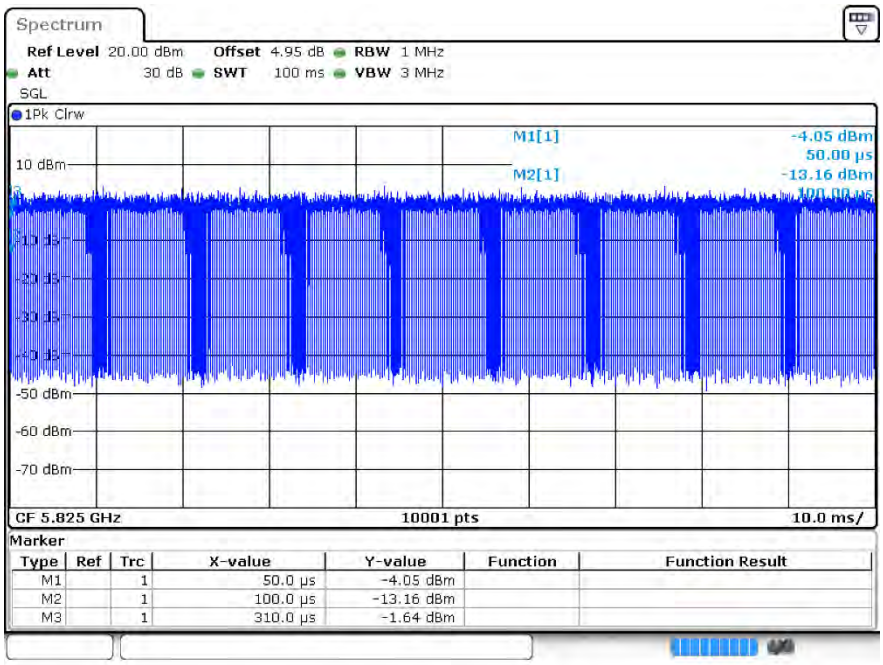
Duty Cycle a 5825MHz Ant1



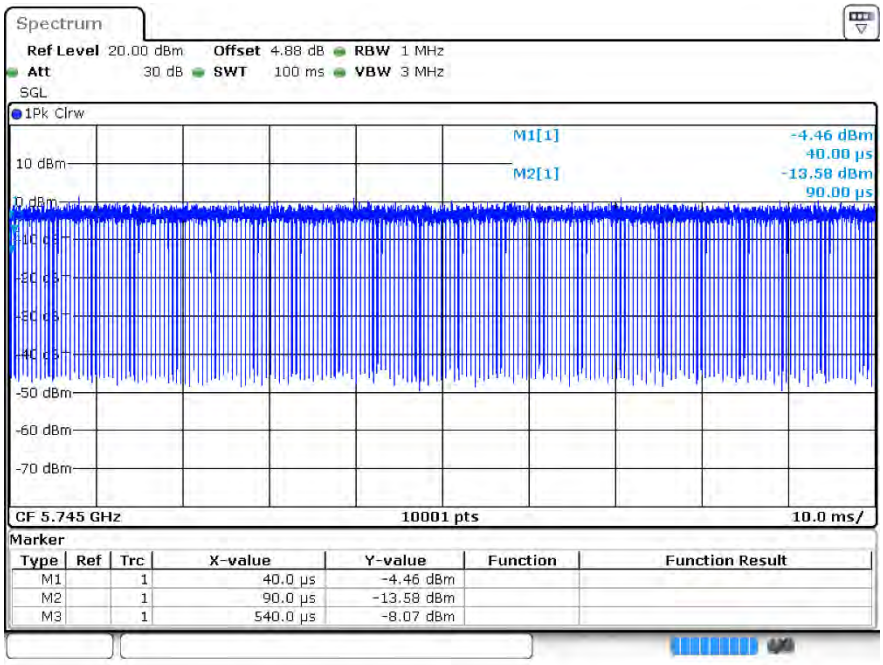
Duty Cycle a 5745MHz Ant2

Duty Cycle a 5785MHz Ant2

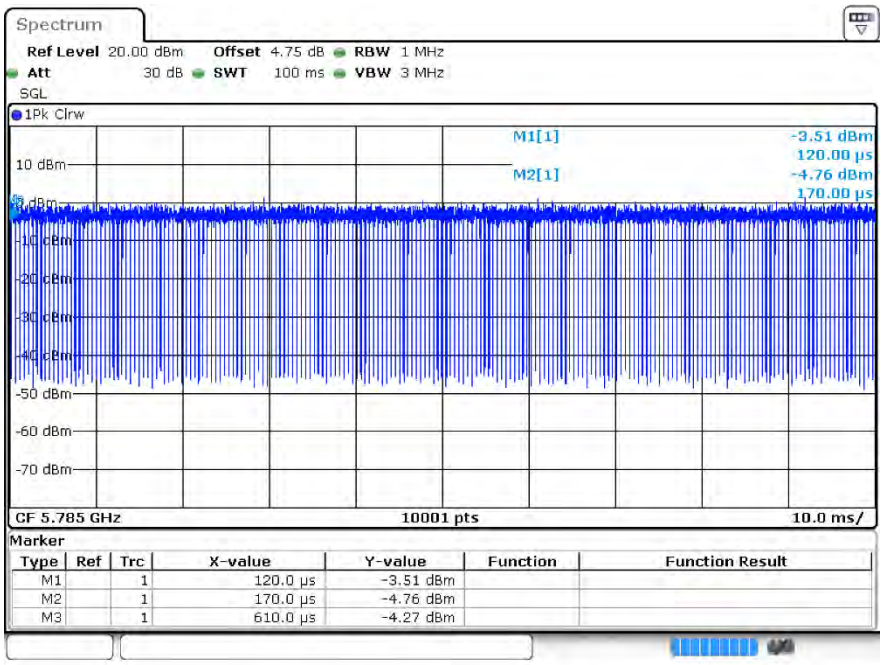
Duty Cycle a 5825MHz Ant2



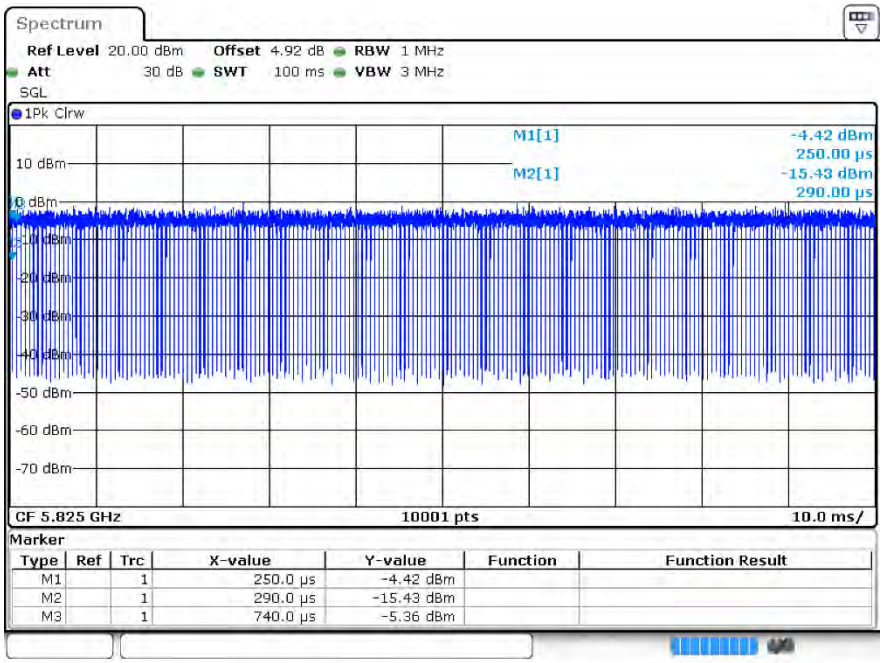
Duty Cycle n20 5745MHz Ant1



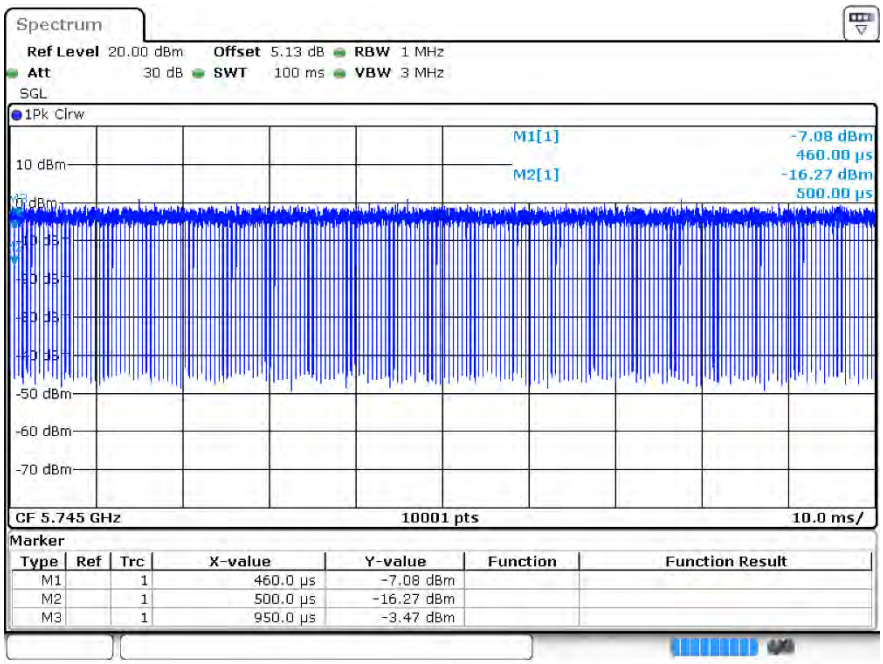
Duty Cycle n20 5785MHz Ant1



Duty Cycle n20 5825MHz Ant1



Duty Cycle n20 5745MHz Ant2



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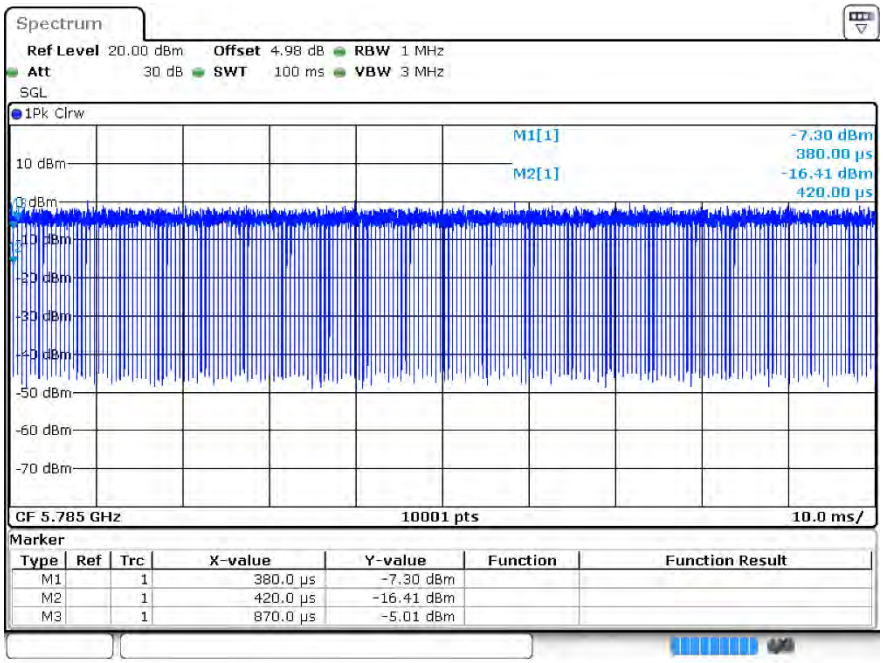
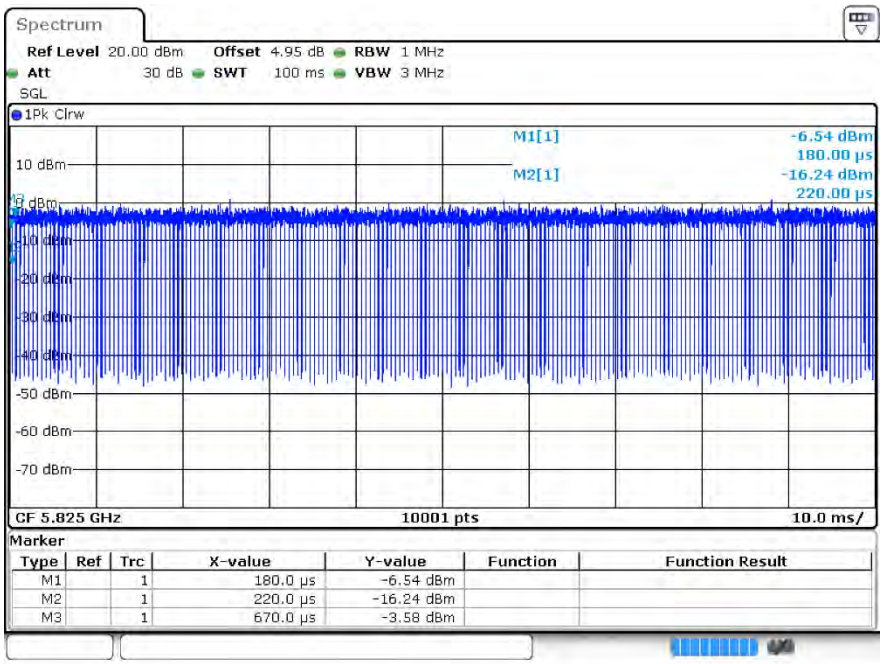
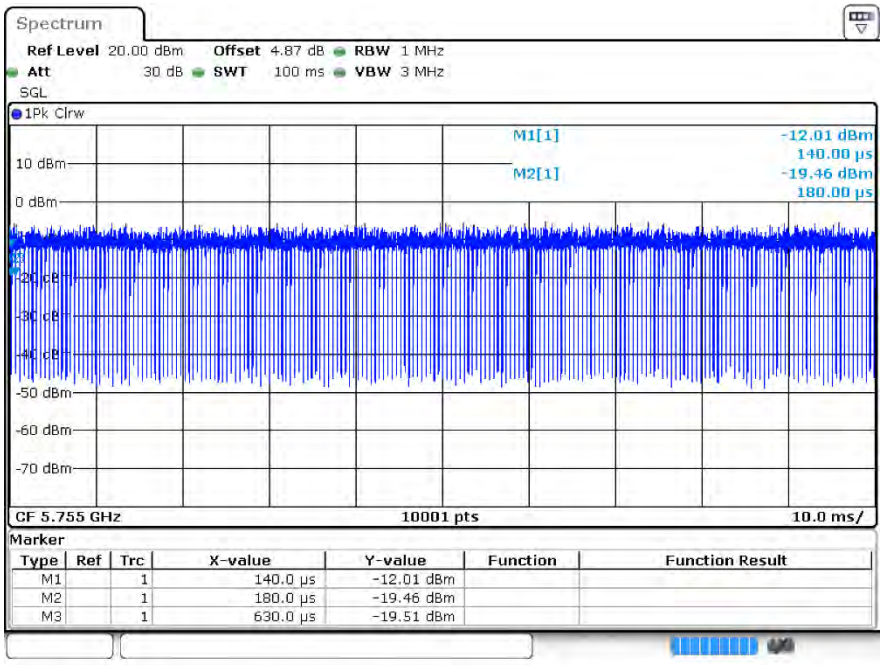


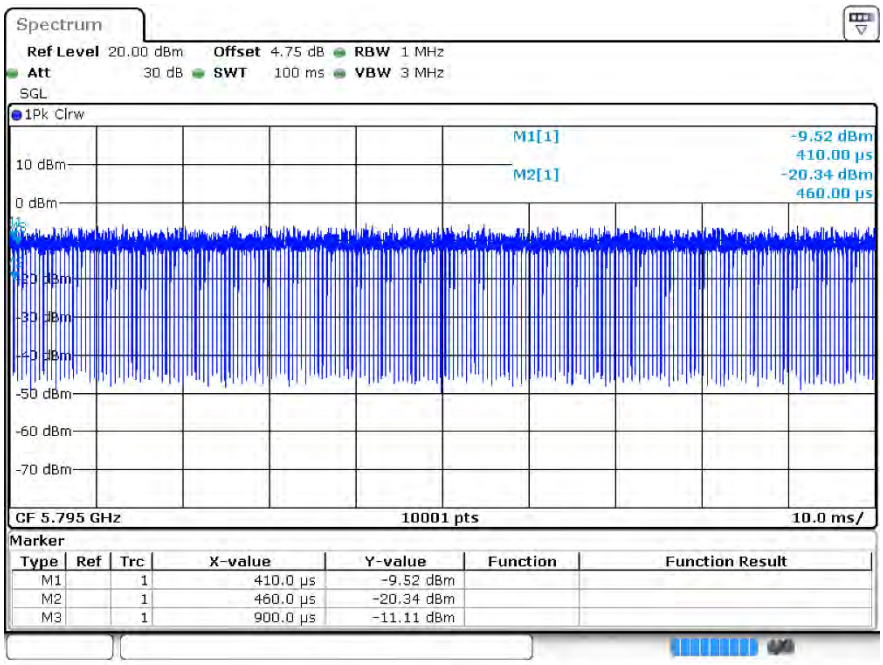
Duty Cycle n20 5825MHz Ant2



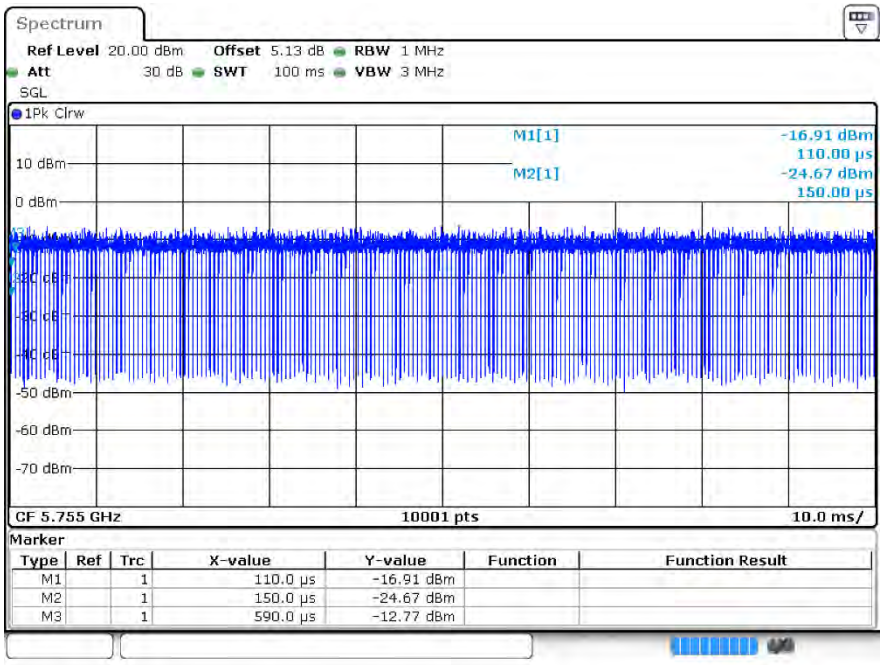
Duty Cycle n40 5755MHz Ant1



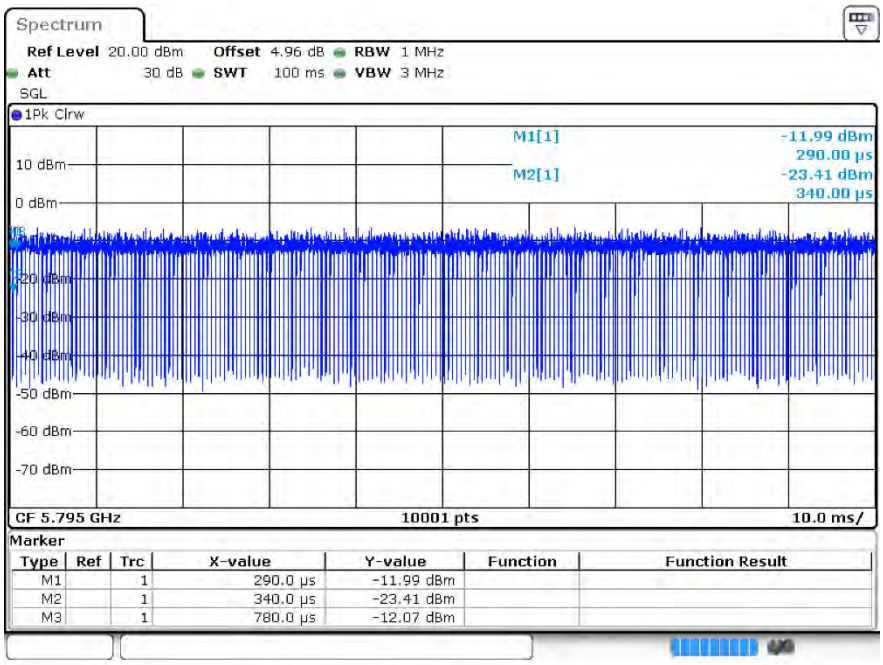
Duty Cycle n40 5795MHz Ant1



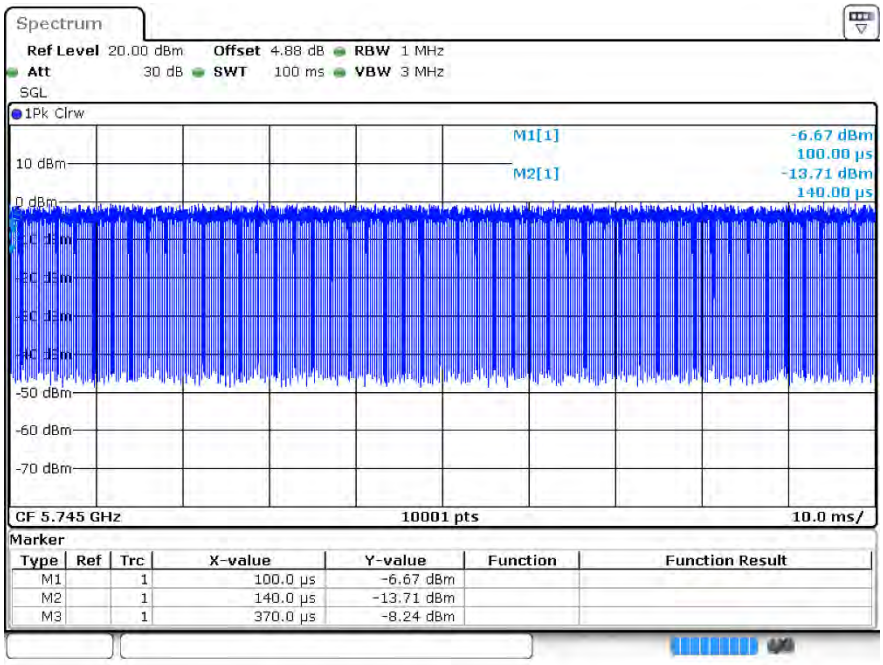
Duty Cycle n40 5755MHz Ant2



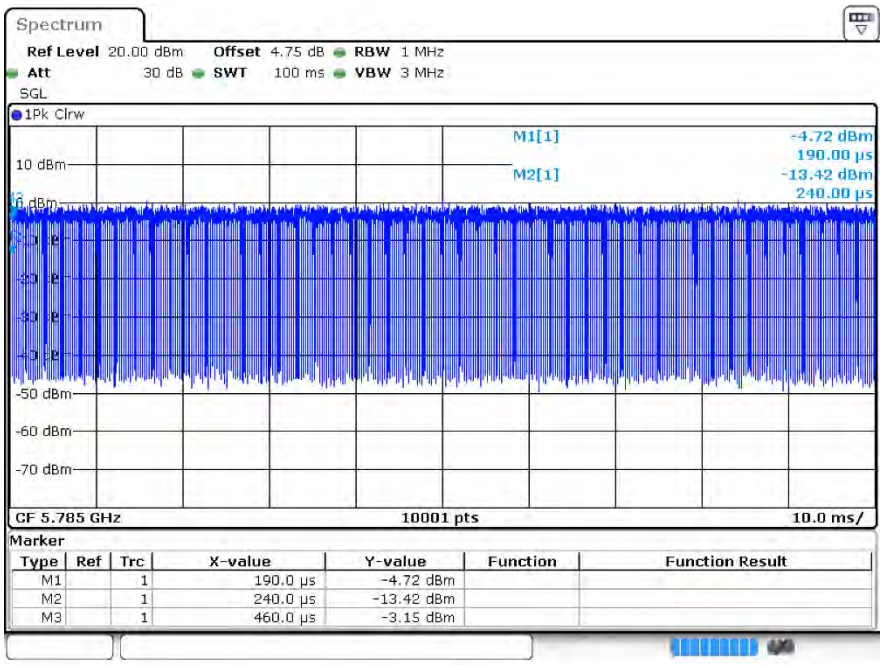
Duty Cycle n40 5795MHz Ant2



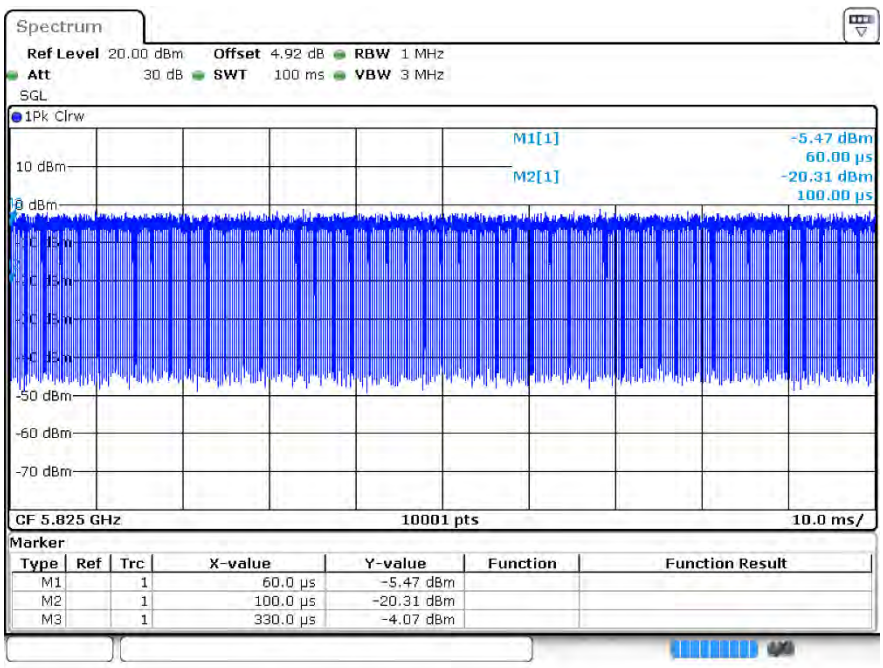
Duty Cycle ac20 5745MHz Ant1



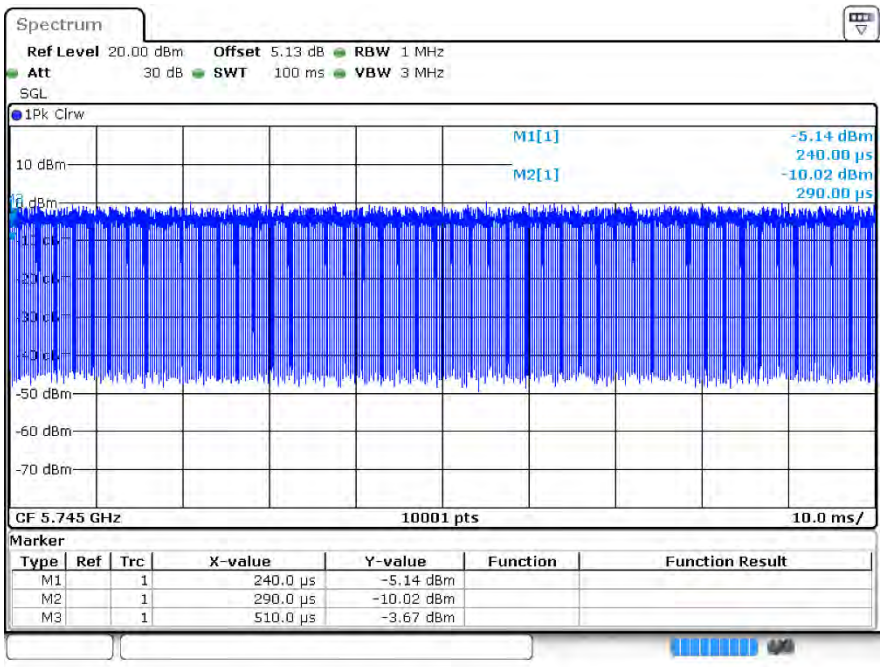
Duty Cycle ac20 5785MHz Ant1



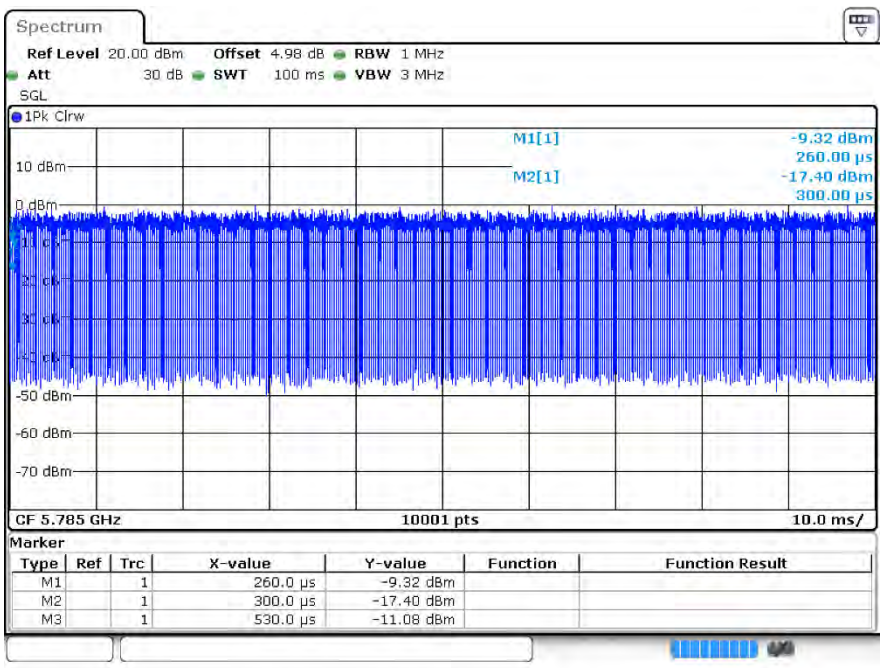
Duty Cycle ac20 5825MHz Ant1



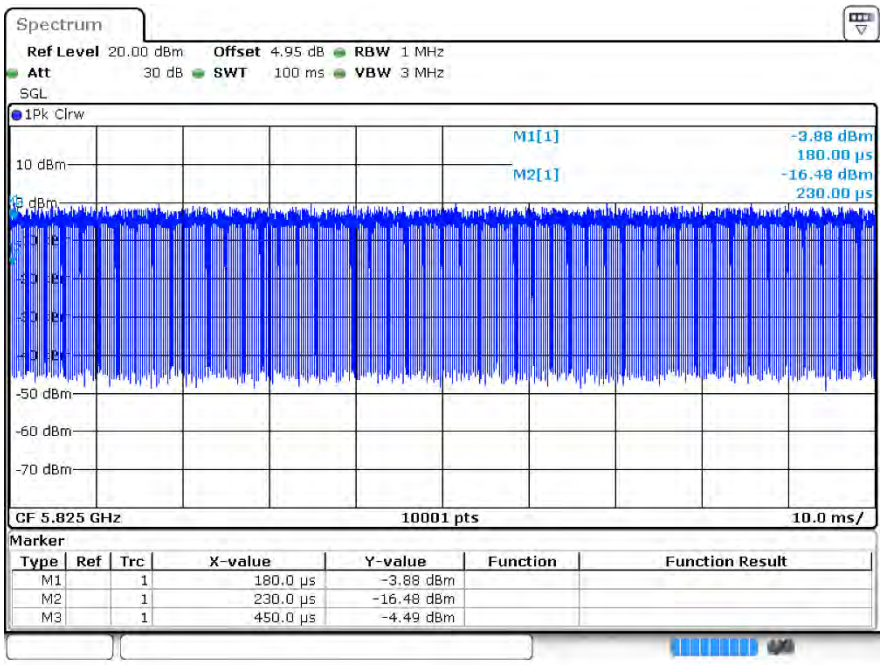
Duty Cycle ac20 5745MHz Ant2



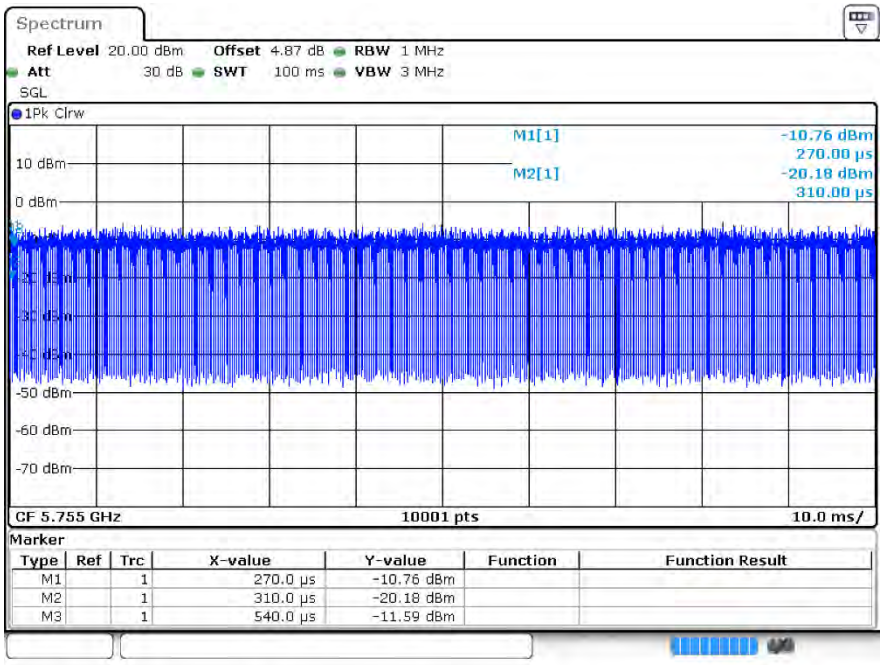
Duty Cycle ac20 5785MHz Ant2



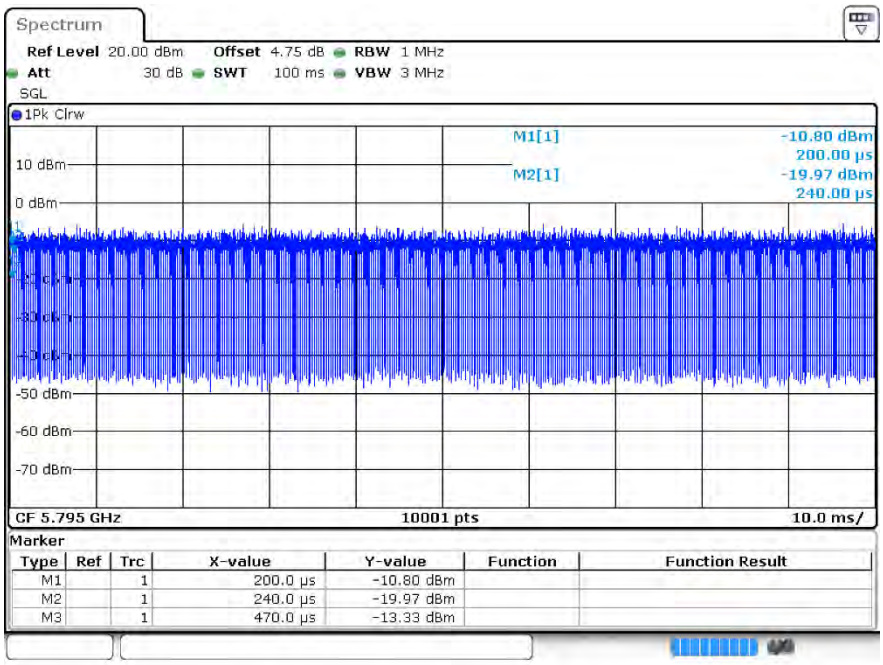
Duty Cycle ac20 5825MHz Ant2



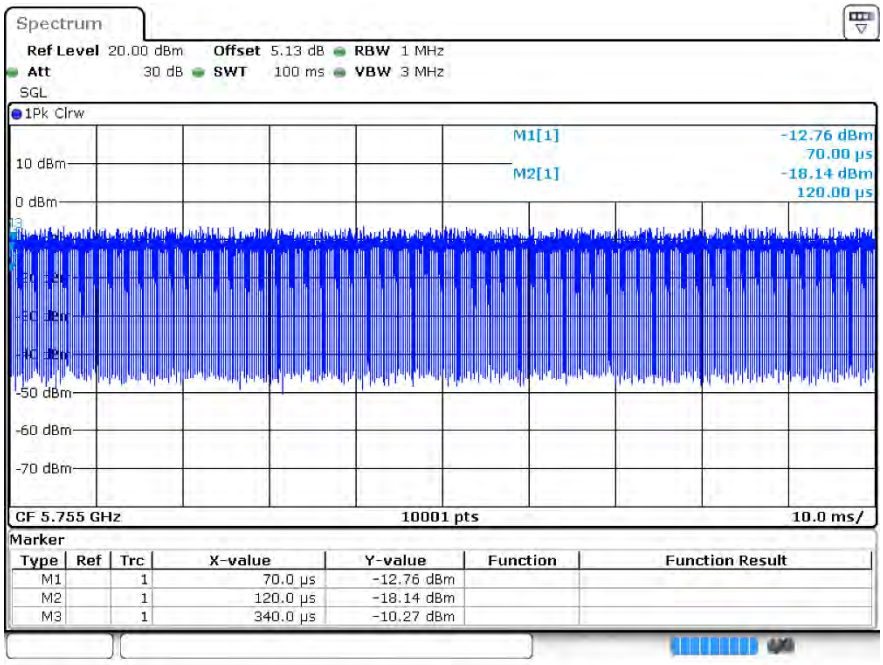
Duty Cycle ac40 5755MHz Ant1



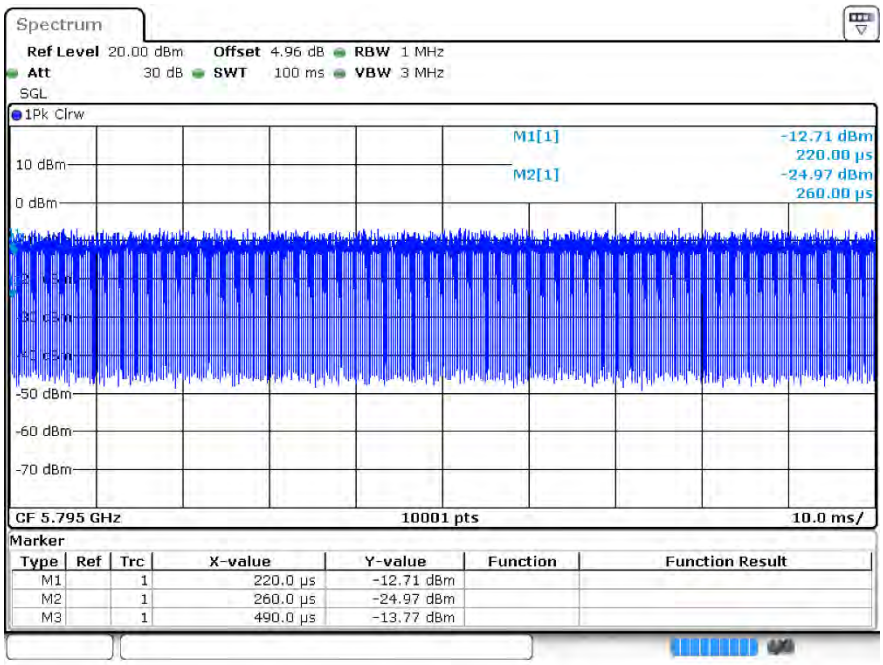
Duty Cycle ac40 5795MHz Ant1



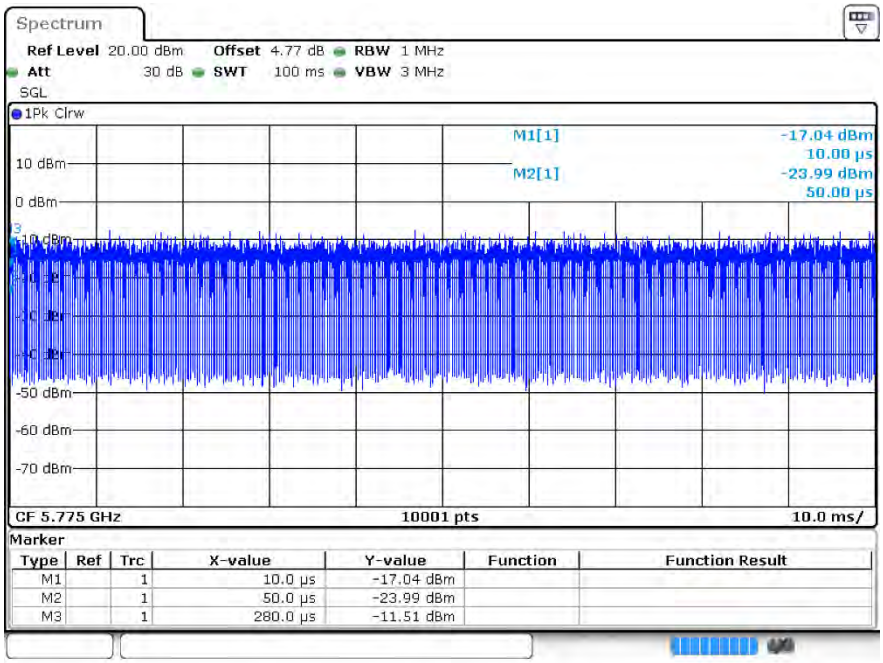
Duty Cycle ac40 5755MHz Ant2



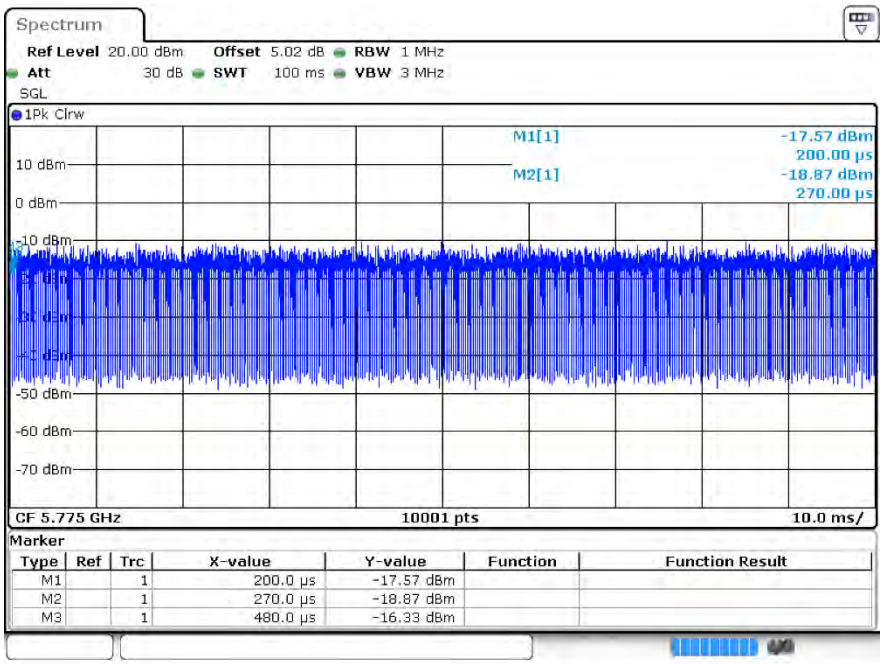
Duty Cycle ac40 5795MHz Ant2



Duty Cycle ac80 5775MHz Ant1



Duty Cycle ac80 5775MHz Ant2



2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
a	5745	Ant1	10.51	30	Pass
a	5785	Ant1	10.78	30	Pass
a	5825	Ant1	9.17	30	Pass
a	5745	Ant2	10.28	30	Pass
a	5785	Ant2	9.77	30	Pass
a	5825	Ant2	10.23	30	Pass
n20	5745	Ant1	7.29	30	Pass
n20	5745	Ant2	6.7	30	Pass
n20	5745	Sum	10.02	28.49	Pass
n20	5785	Ant1	7.45	30	Pass
n20	5785	Ant2	6.14	30	Pass
n20	5785	Sum	9.85	28.49	Pass
n20	5825	Ant1	5.91	30	Pass
n20	5825	Ant2	6.66	30	Pass
n20	5825	Sum	9.31	28.49	Pass
n40	5755	Ant1	6.88	30	Pass
n40	5755	Ant2	5.96	30	Pass
n40	5755	Sum	9.45	28.49	Pass
n40	5795	Ant1	6.46	30	Pass
n40	5795	Ant2	5.69	30	Pass
n40	5795	Sum	9.1	28.49	Pass
ac20	5745	Ant1	7.18	30	Pass
ac20	5745	Ant2	6.94	30	Pass
ac20	5745	Sum	10.07	28.49	Pass
ac20	5785	Ant1	7.28	30	Pass
ac20	5785	Ant2	6.27	30	Pass
ac20	5785	Sum	9.81	28.49	Pass
ac20	5825	Ant1	5.73	30	Pass
ac20	5825	Ant2	6.8	30	Pass
ac20	5825	Sum	9.31	28.49	Pass
ac40	5755	Ant1	6.93	30	Pass
ac40	5755	Ant2	6.26	30	Pass
ac40	5755	Sum	9.62	28.49	Pass
ac40	5795	Ant1	6.55	30	Pass
ac40	5795	Ant2	5.93	30	Pass

ac40	5795	Sum	9.26	28.49	Pass
ac80	5775	Ant1	6.04	30	Pass
ac80	5775	Ant2	5.12	30	Pass
ac80	5775	Sum	8.61	28.49	Pass

3 -6dB Bandwidth

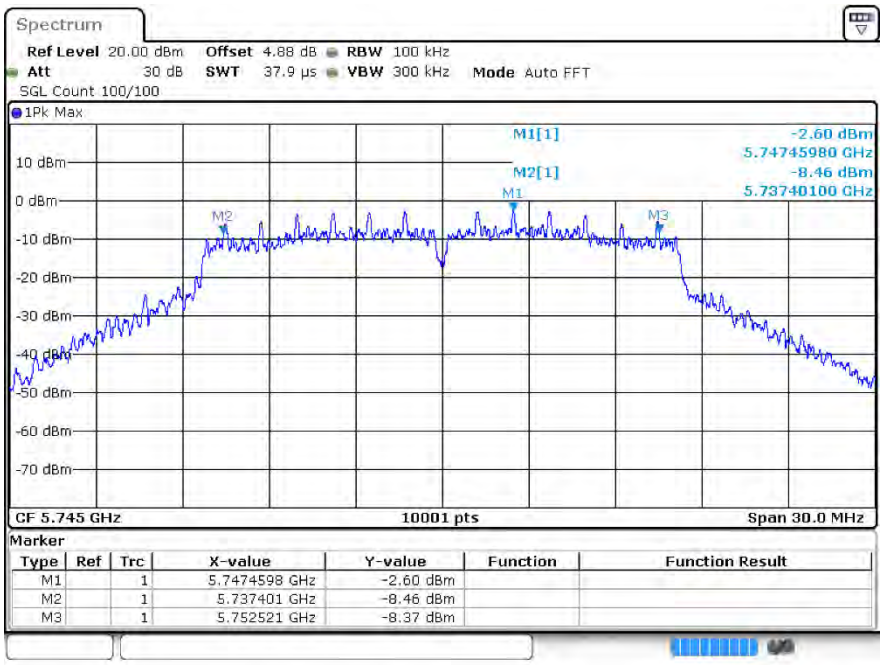
3.1 Test Result

Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
a	5745	Ant1	15.12	0.5	Pass
a	5785	Ant1	15.114	0.5	Pass
a	5825	Ant1	15.117	0.5	Pass
n20	5745	Ant1	15.387	0.5	Pass
n20	5785	Ant1	12.591	0.5	Pass
n20	5825	Ant1	15.042	0.5	Pass
n40	5755	Ant1	31.314	0.5	Pass
n40	5795	Ant1	35.076	0.5	Pass
ac20	5745	Ant1	15.093	0.5	Pass
ac20	5785	Ant1	15.33	0.5	Pass
ac20	5825	Ant1	15.096	0.5	Pass
ac40	5755	Ant1	31.338	0.5	Pass
ac40	5795	Ant1	30.108	0.5	Pass
ac80	5775	Ant1	61.332	0.5	Pass
a	5745	Ant2	15.063	0.5	Pass
a	5785	Ant2	15.105	0.5	Pass
a	5825	Ant2	15.081	0.5	Pass
n20	5745	Ant2	12.81	0.5	Pass
n20	5785	Ant2	15.105	0.5	Pass
n20	5825	Ant2	15.093	0.5	Pass
n40	5755	Ant2	35.07	0.5	Pass
n40	5795	Ant2	35.046	0.5	Pass
ac20	5745	Ant2	15.114	0.5	Pass
ac20	5785	Ant2	15.105	0.5	Pass
ac20	5825	Ant2	15.678	0.5	Pass
ac40	5755	Ant2	35.058	0.5	Pass
ac40	5795	Ant2	35.052	0.5	Pass
ac80	5775	Ant2	73.764	0.5	Pass

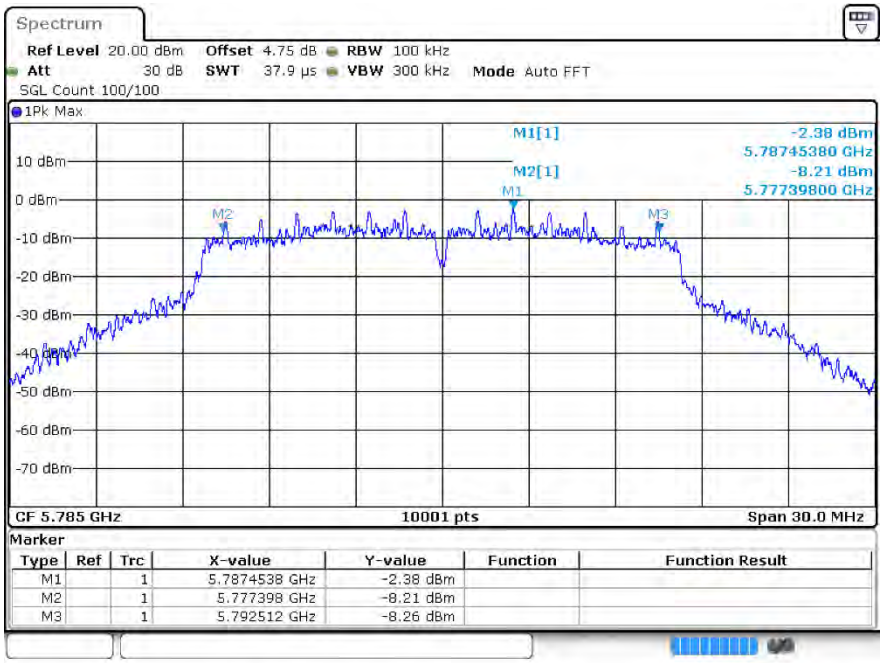
3.2 Test Graphs

Test Graphs

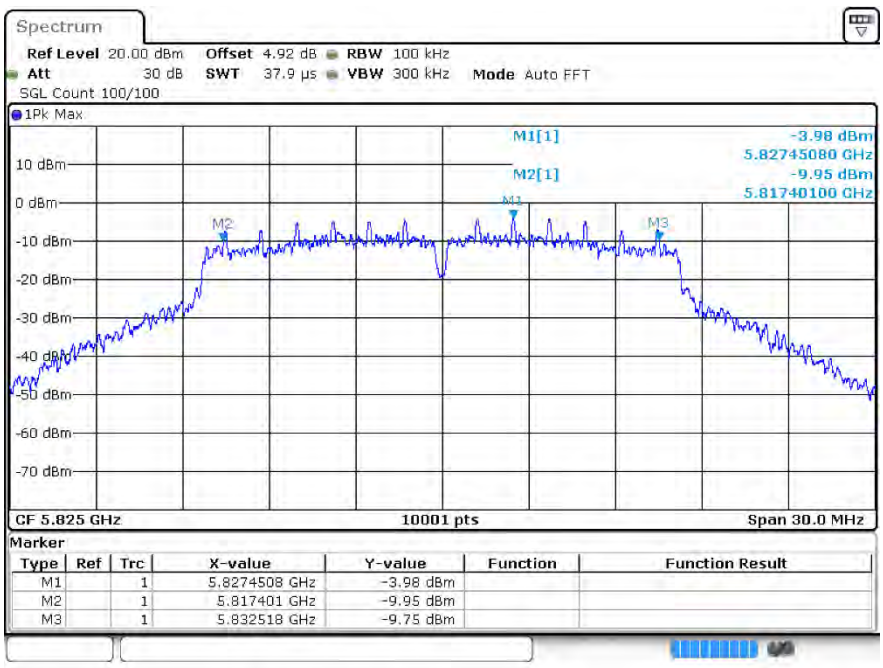
-6dB Bandwidth a 5745MHz Ant1



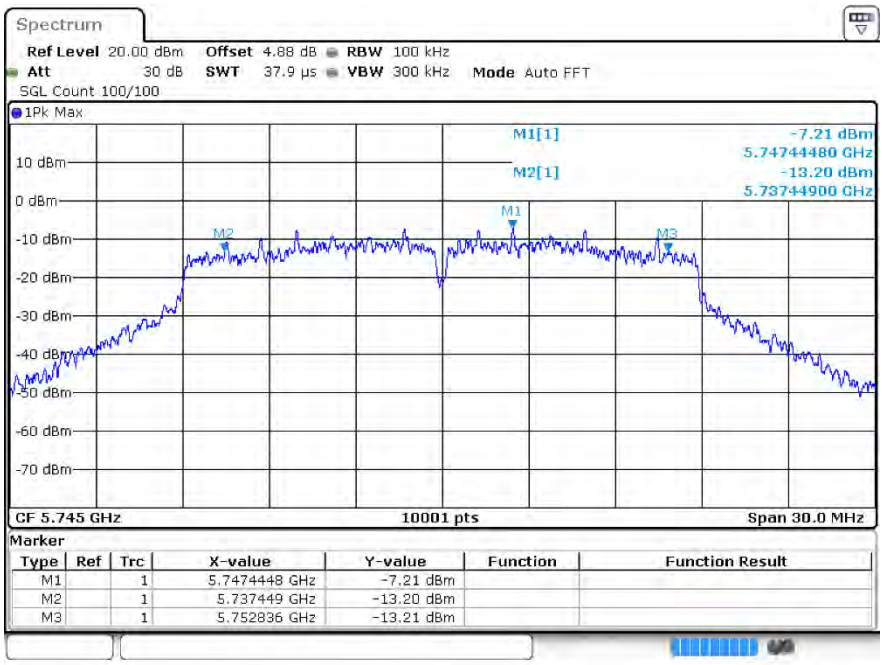
-6dB Bandwidth a 5785MHz Ant1



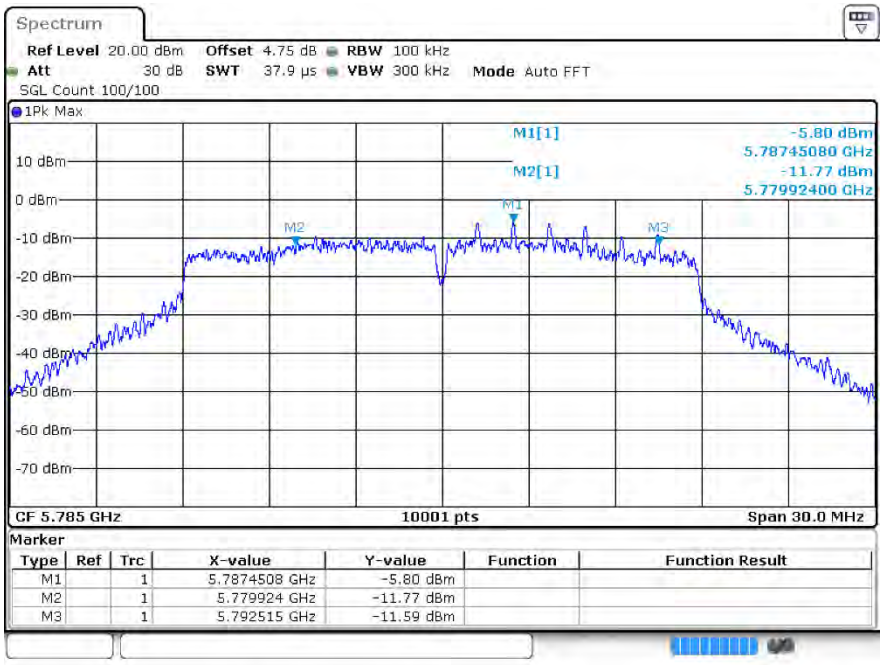
-6dB Bandwidth a 5825MHz Ant1



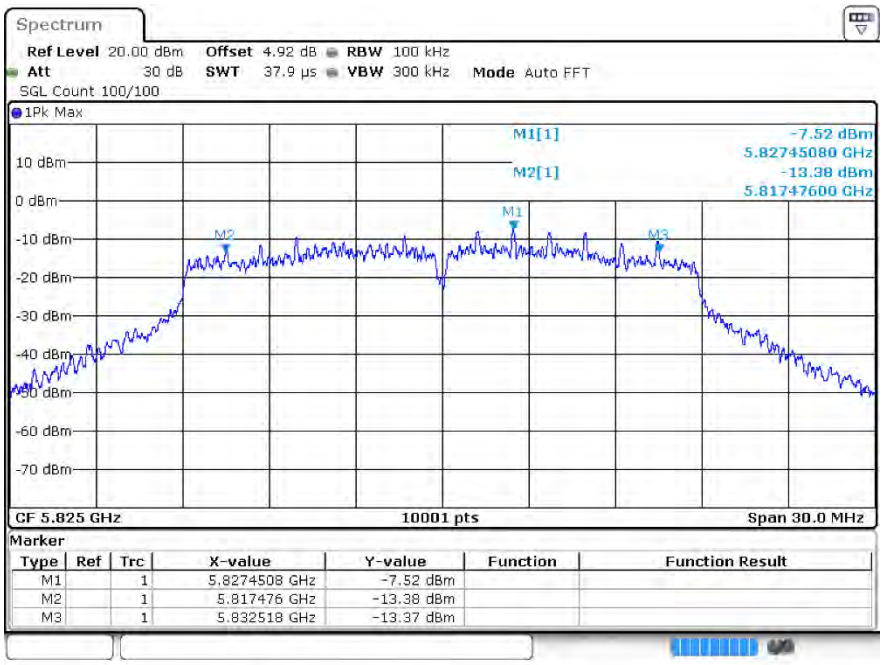
-6dB Bandwidth n20 5745MHz Ant1



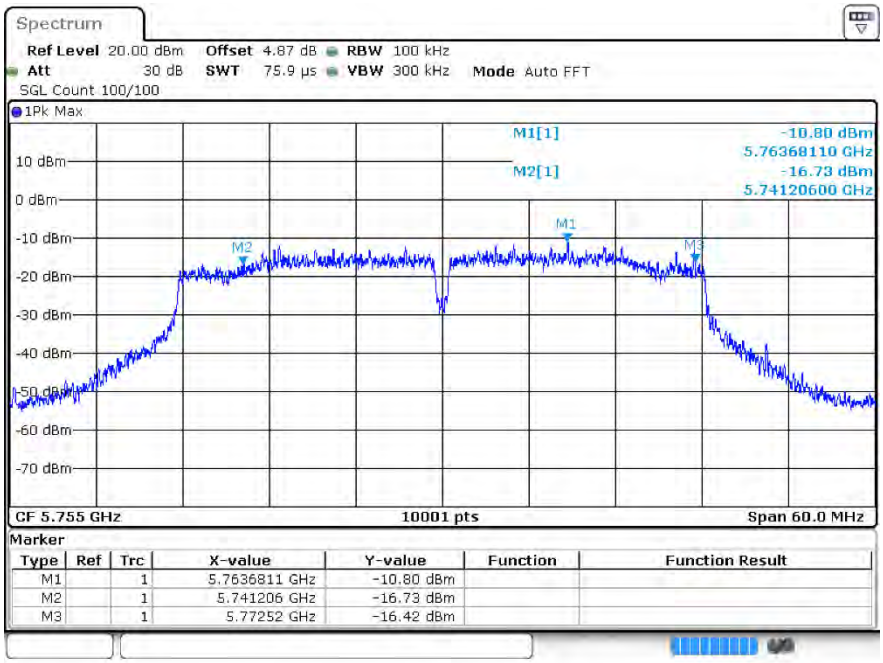
-6dB Bandwidth n20 5785MHz Ant1



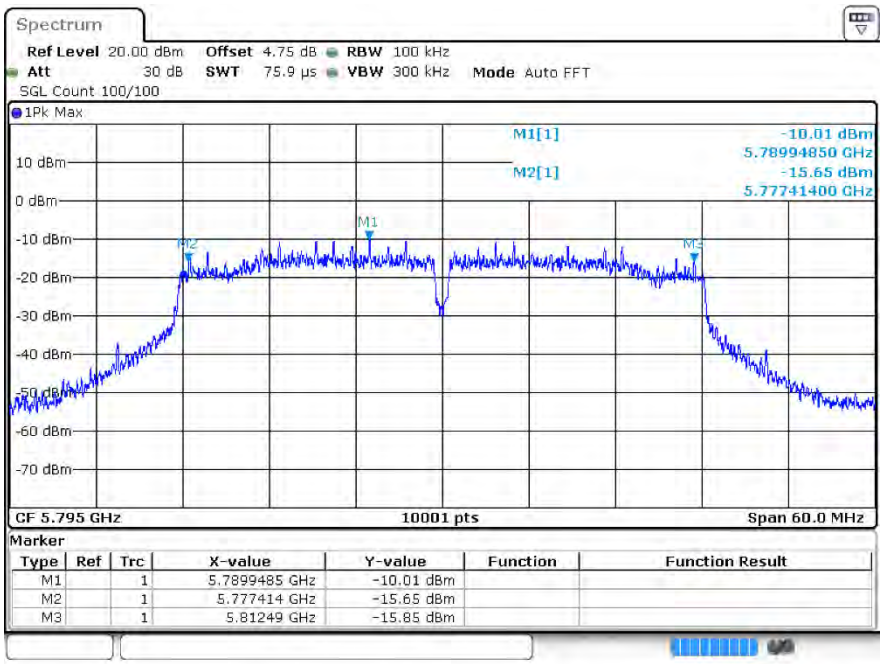
-6dB Bandwidth n20 5825MHz Ant1



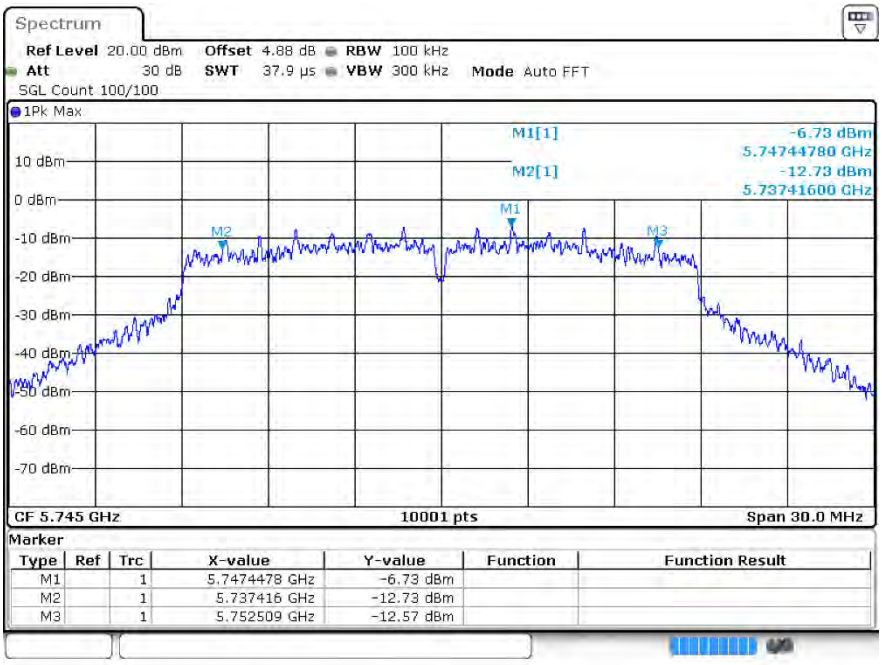
-6dB Bandwidth n40 5755MHz Ant1



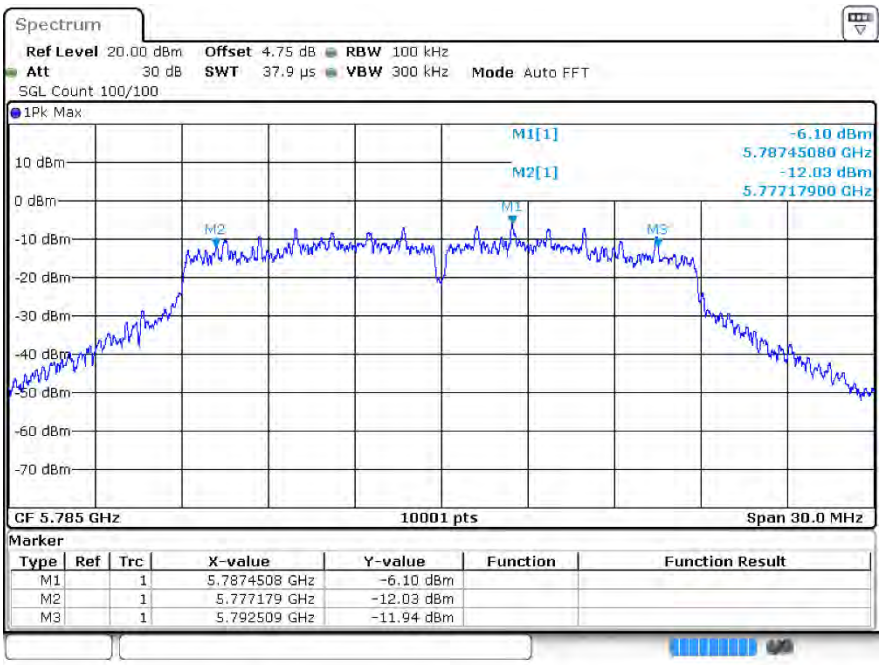
-6dB Bandwidth n40 5795MHz Ant1



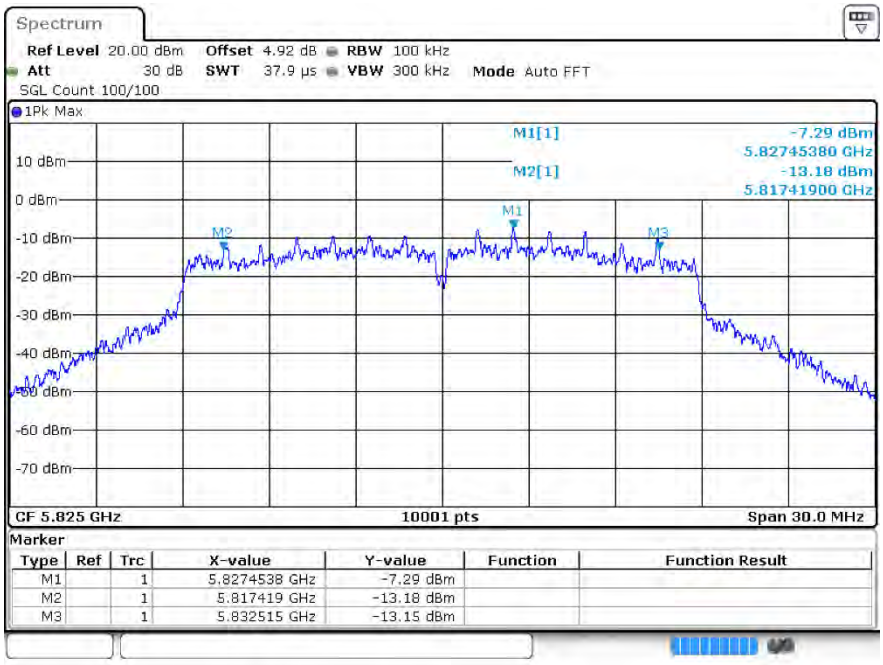
-6dB Bandwidth ac20 5745MHz Ant1



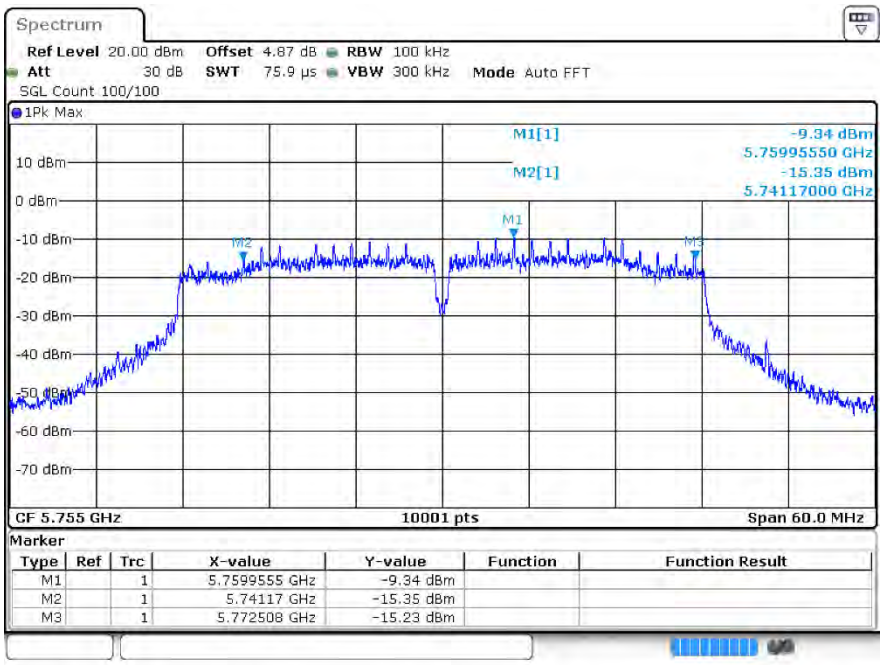
-6dB Bandwidth ac20 5785MHz Ant1



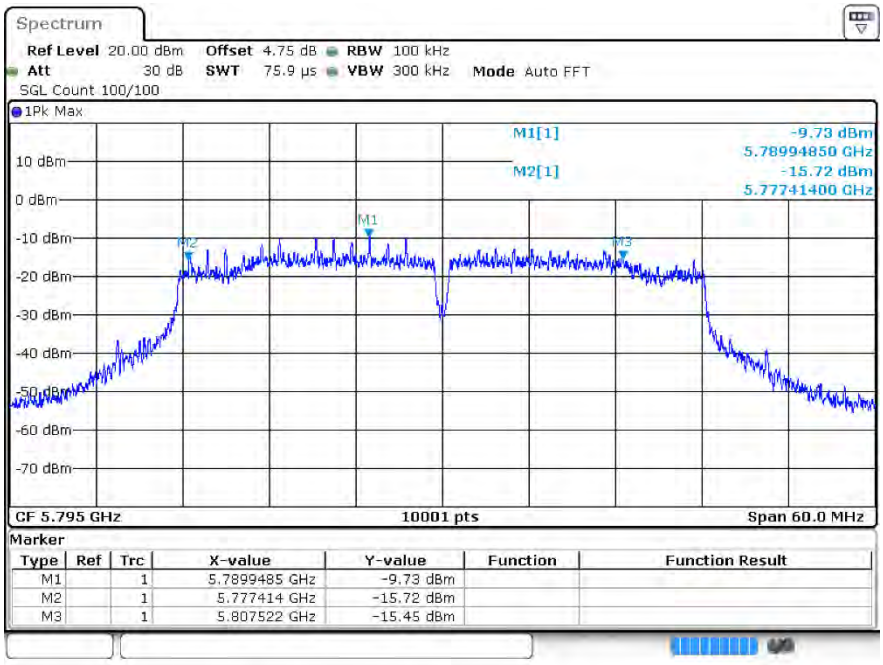
-6dB Bandwidth ac20 5825MHz Ant1



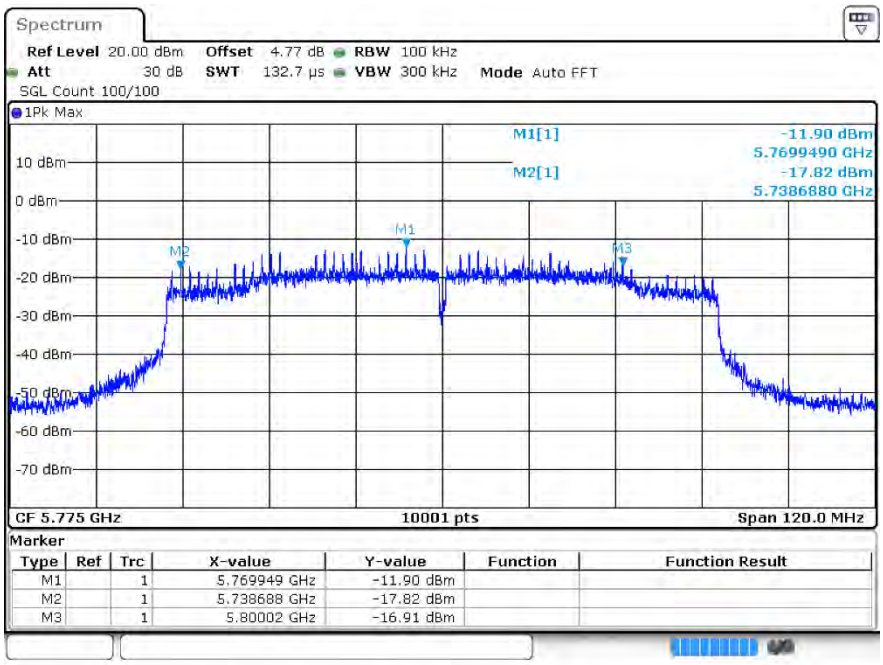
-6dB Bandwidth ac40 5755MHz Ant1



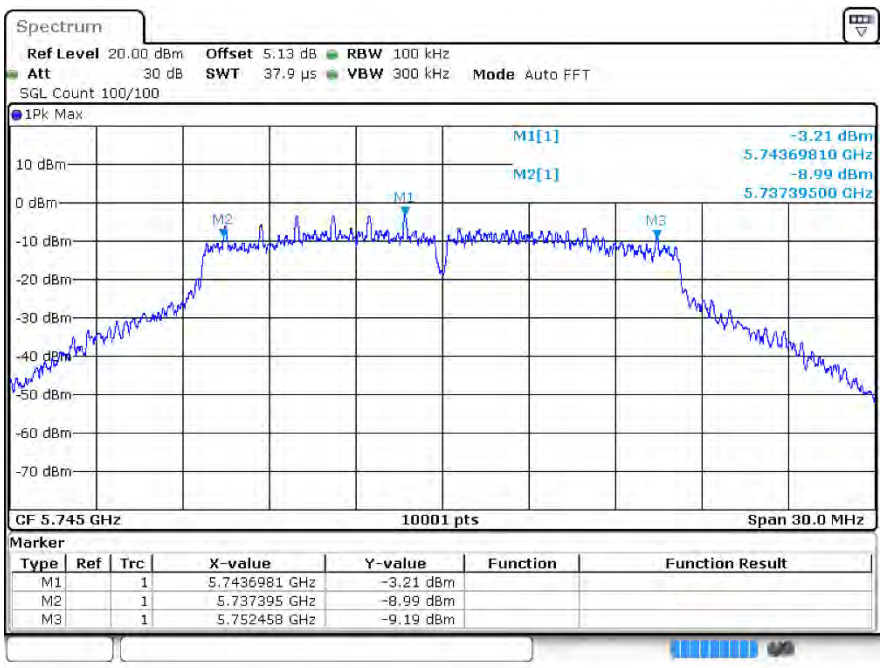
-6dB Bandwidth ac40 5795MHz Ant1



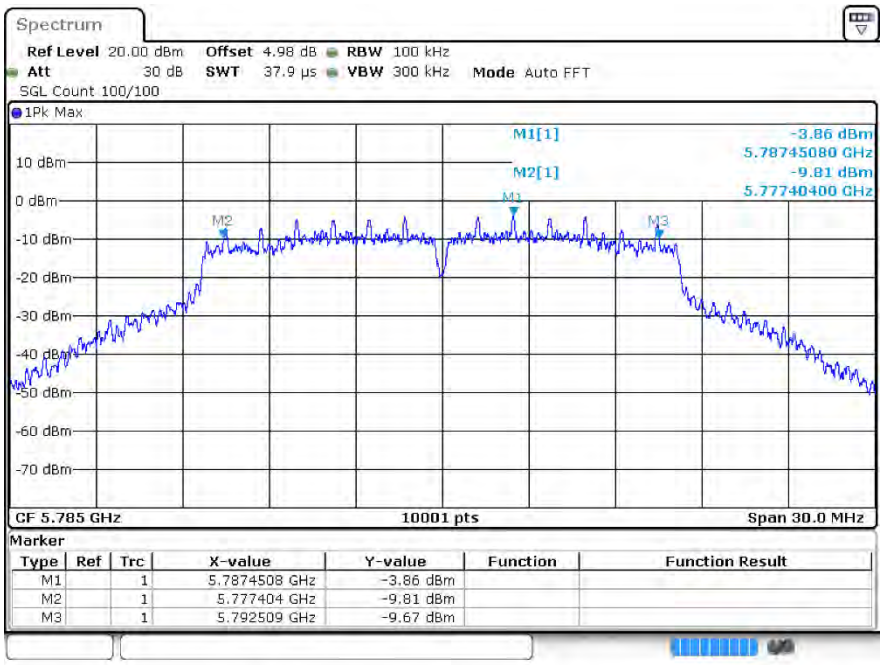
-6dB Bandwidth ac80 5775MHz Ant1



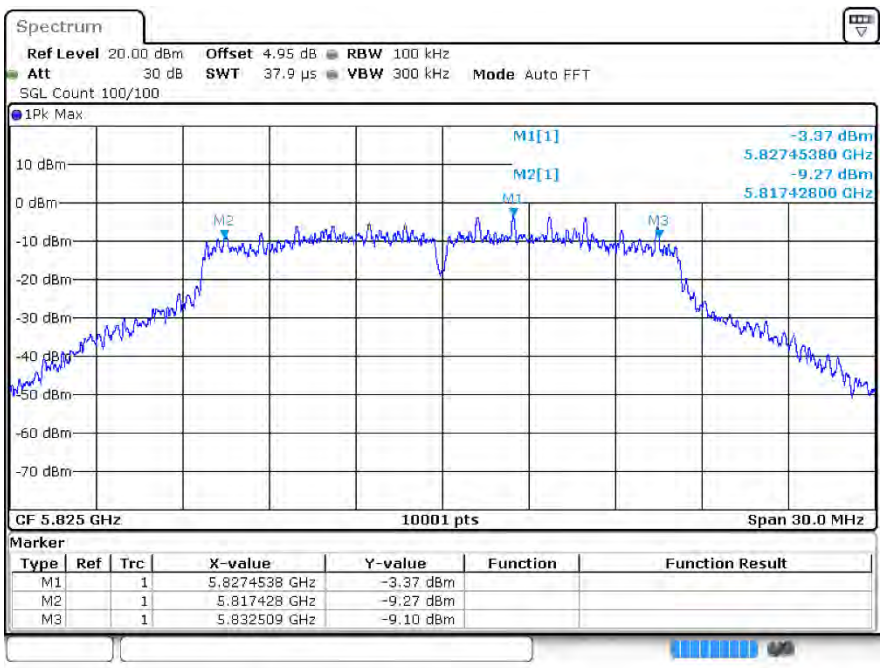
-6dB Bandwidth a 5745MHz Ant2



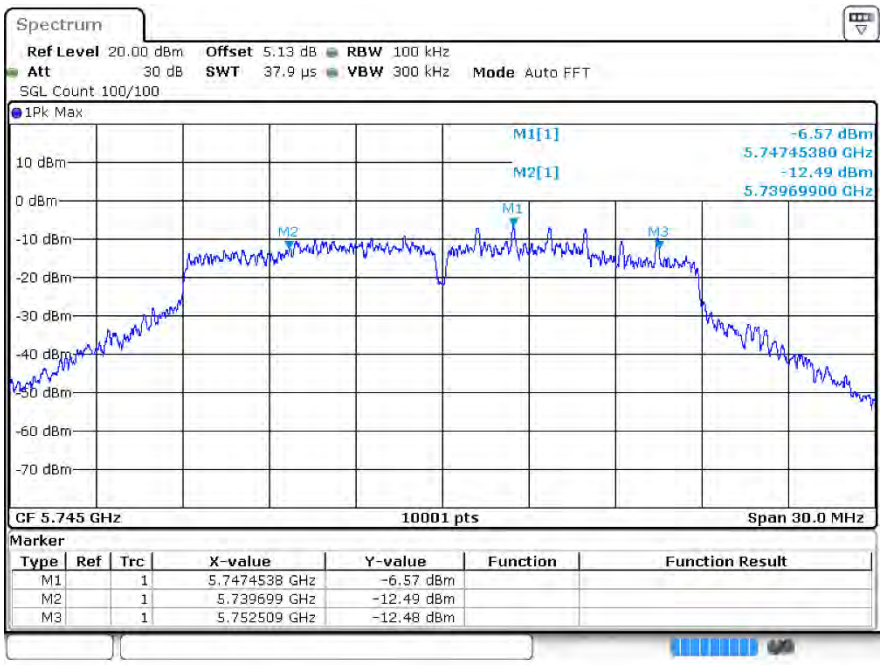
-6dB Bandwidth a 5785MHz Ant2



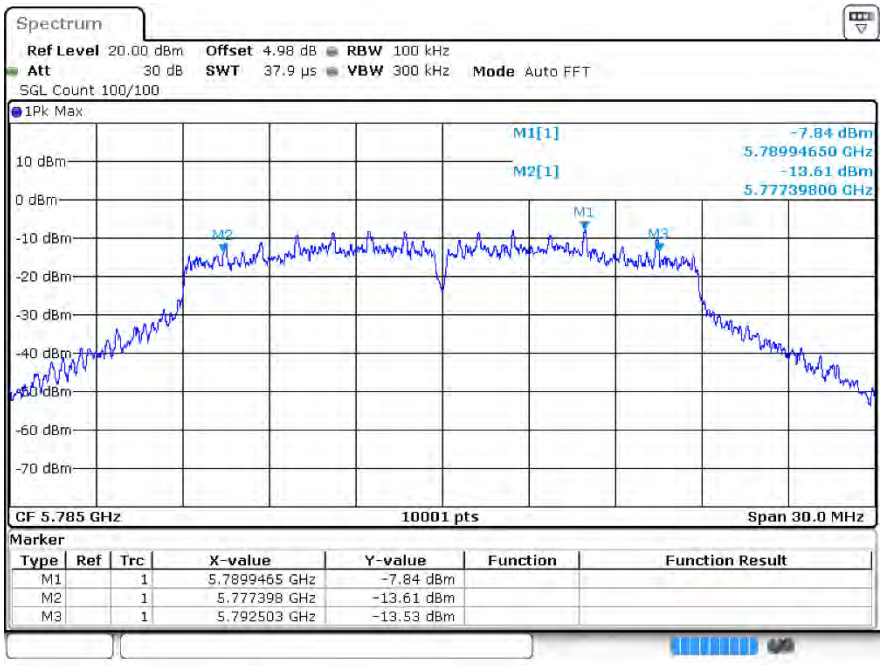
-6dB Bandwidth a 5825MHz Ant2



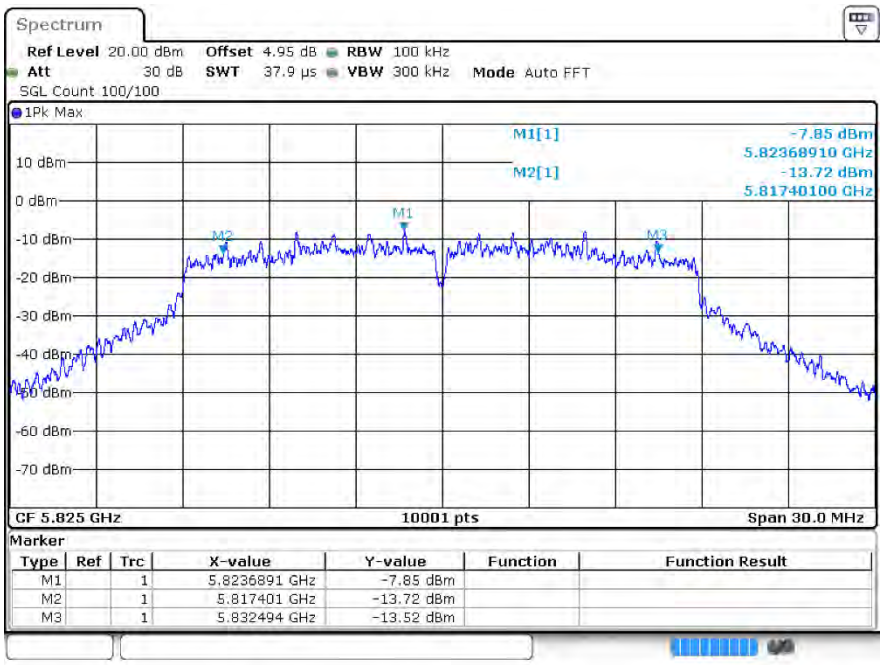
-6dB Bandwidth n20 5745MHz Ant2



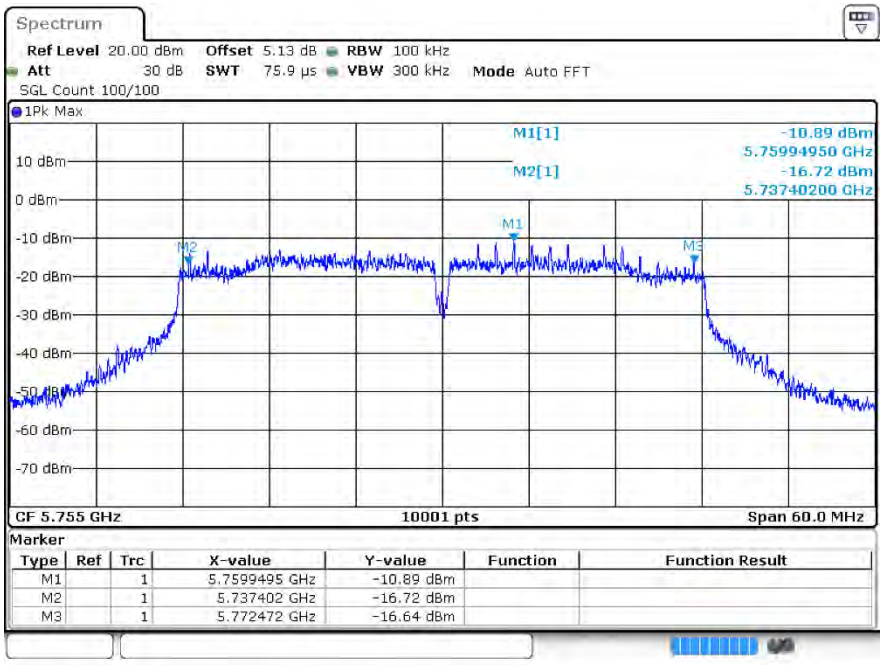
-6dB Bandwidth n20 5785MHz Ant2



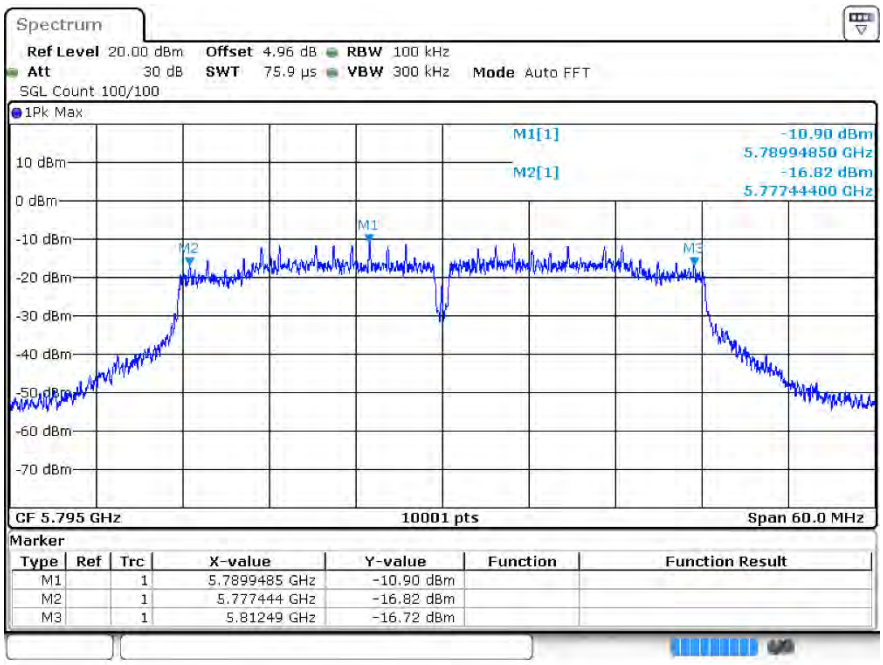
-6dB Bandwidth n20 5825MHz Ant2



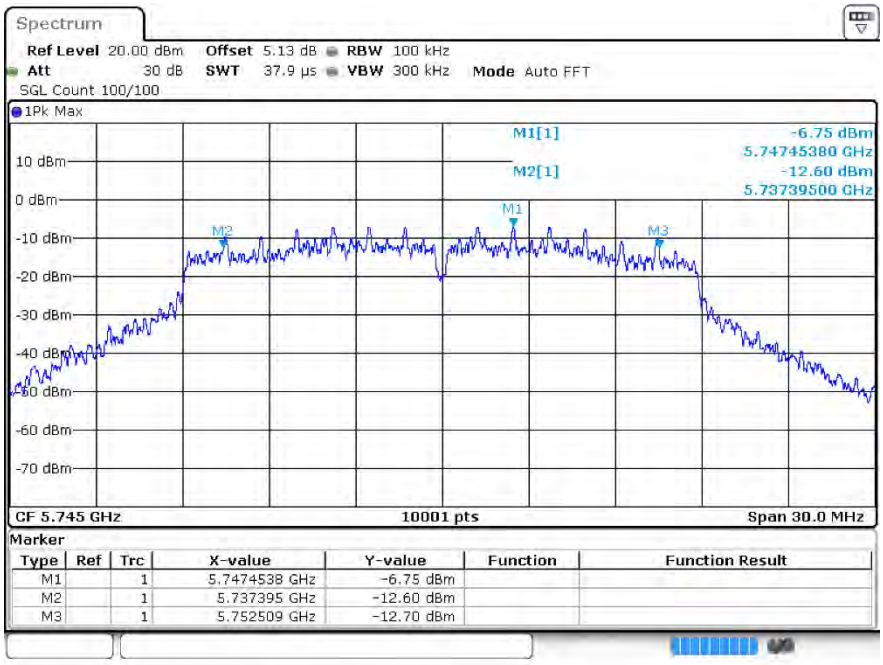
-6dB Bandwidth n40 5755MHz Ant2



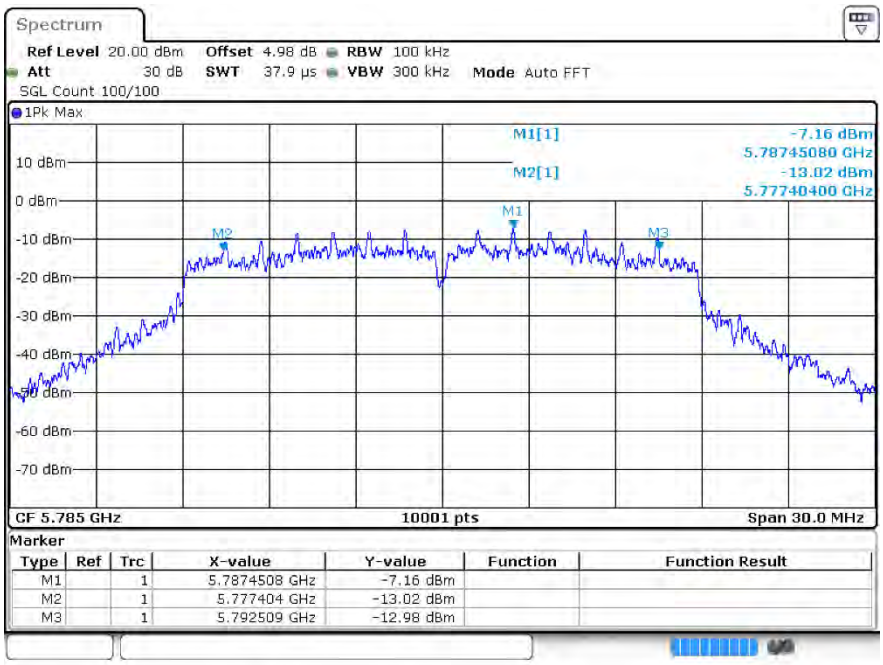
-6dB Bandwidth n40 5795MHz Ant2



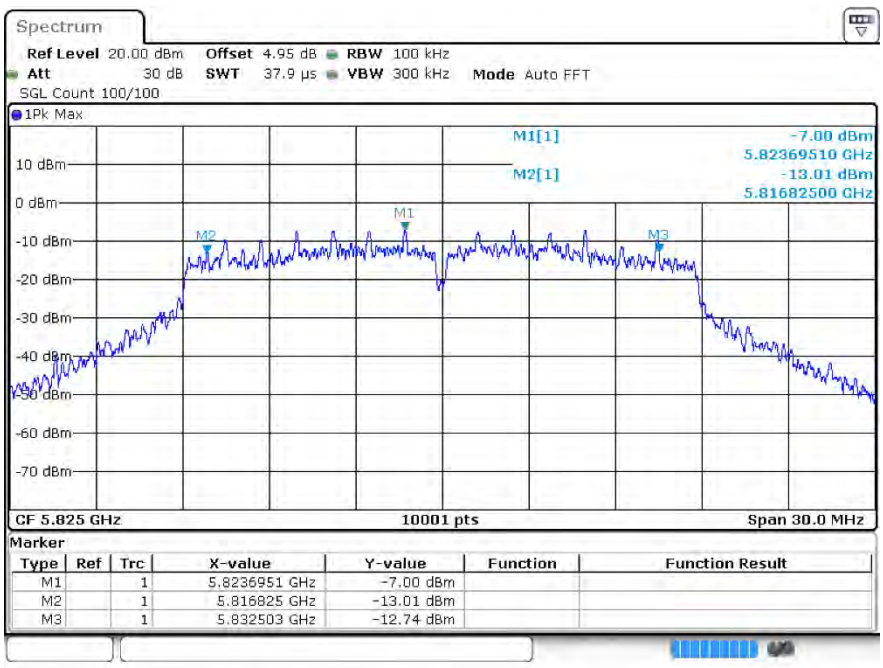
-6dB Bandwidth ac20 5745MHz Ant2



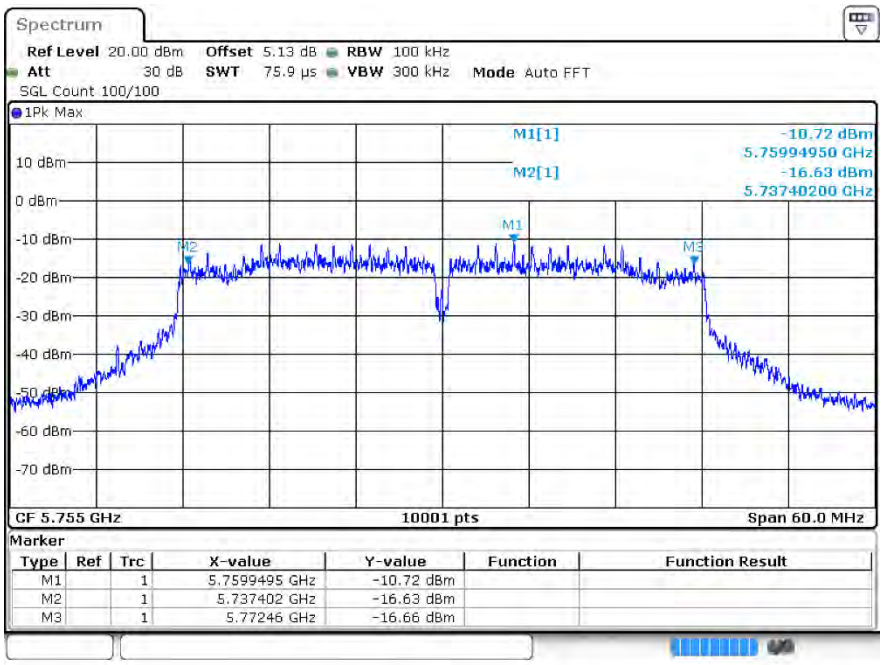
-6dB Bandwidth ac20 5785MHz Ant2



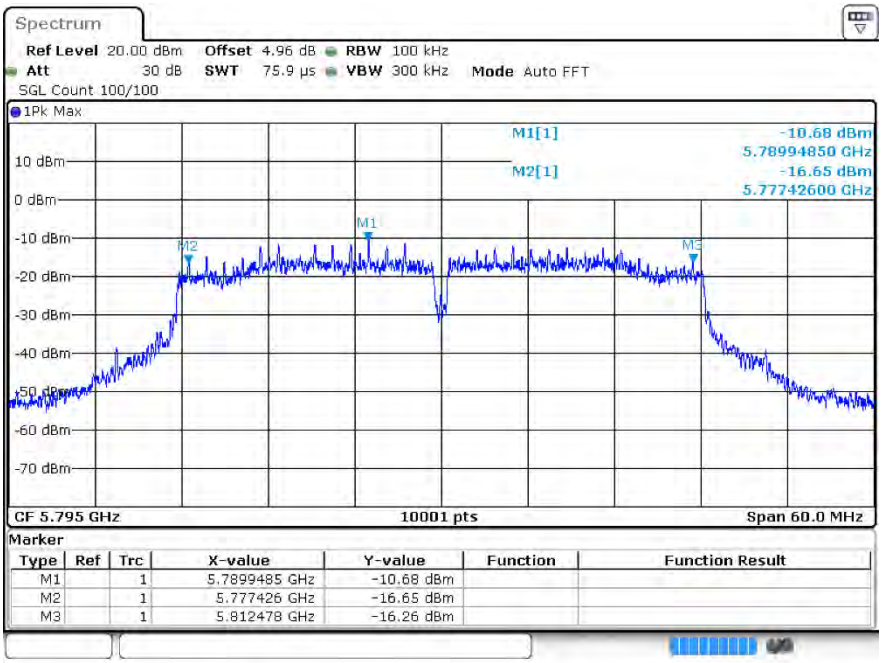
-6dB Bandwidth ac20 5825MHz Ant2



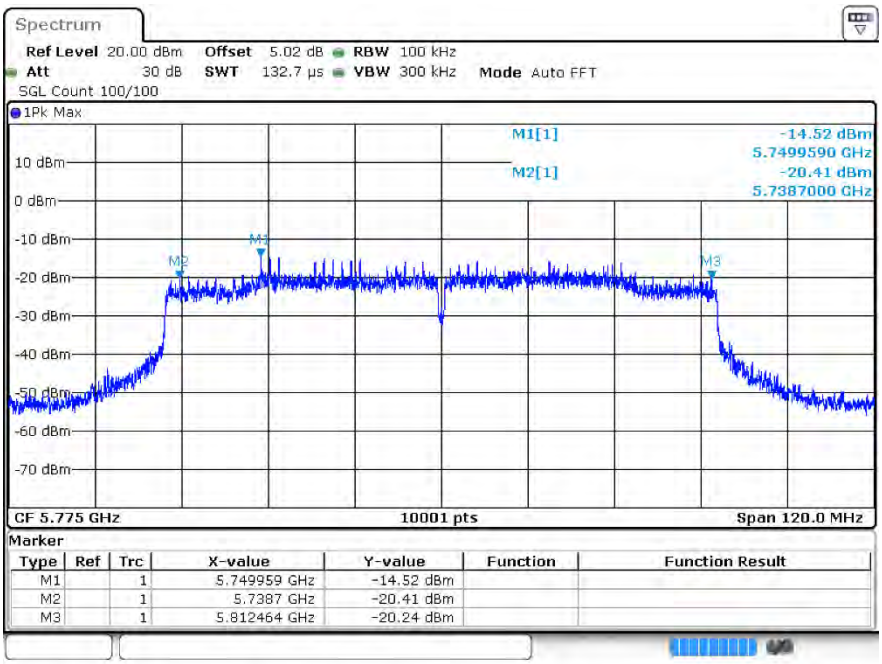
-6dB Bandwidth ac40 5755MHz Ant2



-6dB Bandwidth ac40 5795MHz Ant2



-6dB Bandwidth ac80 5775MHz Ant2



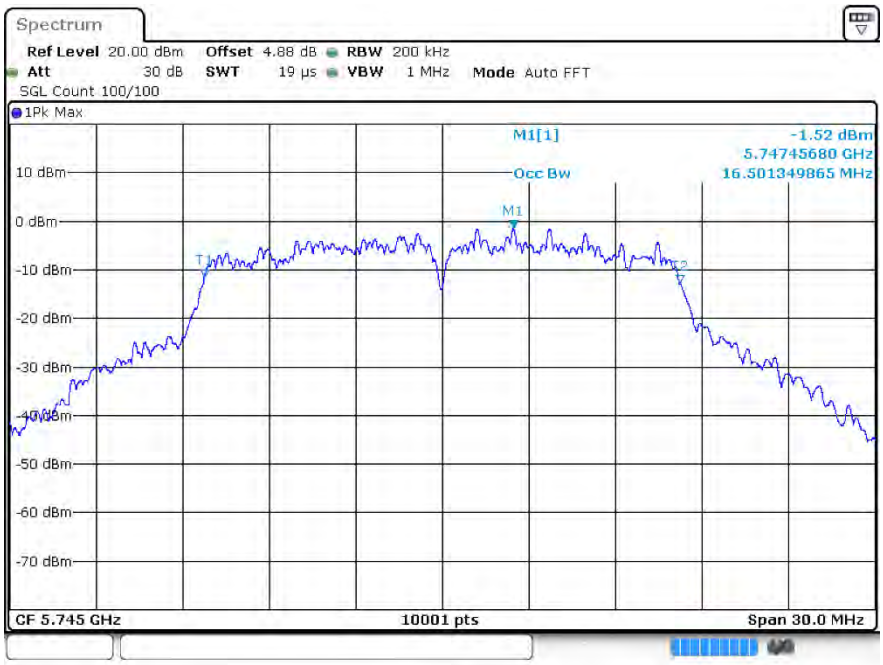
4 Occupied Channel Bandwidth

4.1 Test Result

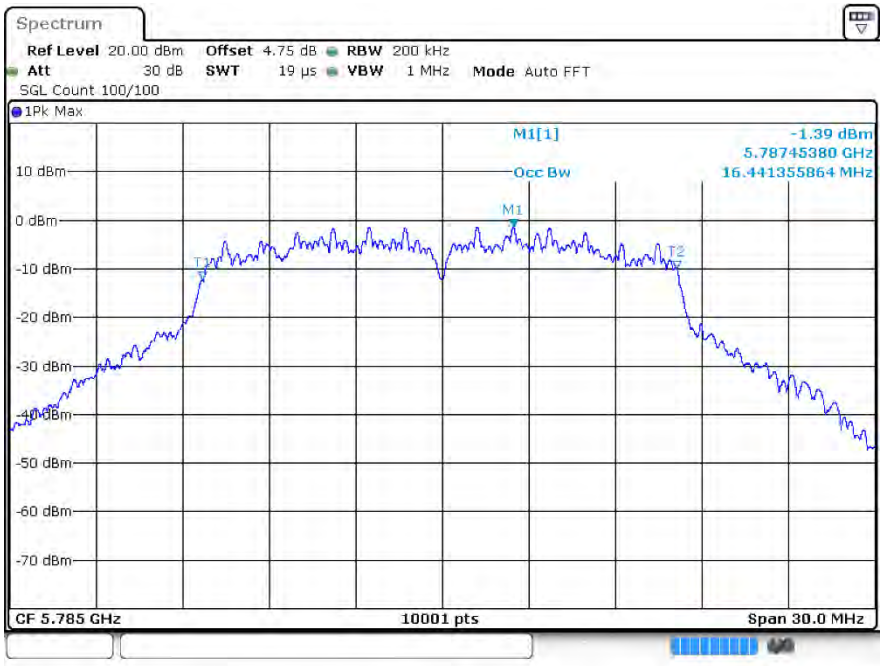
Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
a	5745	Ant1	16.501
a	5785	Ant1	16.441
a	5825	Ant1	16.441
n20	5745	Ant1	17.722
n20	5785	Ant1	17.668
n20	5825	Ant1	17.611
n40	5755	Ant1	35.99
n40	5795	Ant1	35.942
ac20	5745	Ant1	17.662
ac20	5785	Ant1	17.608
ac20	5825	Ant1	17.683
ac40	5755	Ant1	36.152
ac40	5795	Ant1	35.906
ac80	5775	Ant1	74.801
a	5745	Ant2	16.456
a	5785	Ant2	16.447
a	5825	Ant2	16.408
n20	5745	Ant2	17.581
n20	5785	Ant2	17.689
n20	5825	Ant2	17.62
n40	5755	Ant2	36.032
n40	5795	Ant2	36.152
ac20	5745	Ant2	17.584
ac20	5785	Ant2	17.59
ac20	5825	Ant2	17.575
ac40	5755	Ant2	36.08
ac40	5795	Ant2	36.128
ac80	5775	Ant2	75.376

4.2 Test Graphs

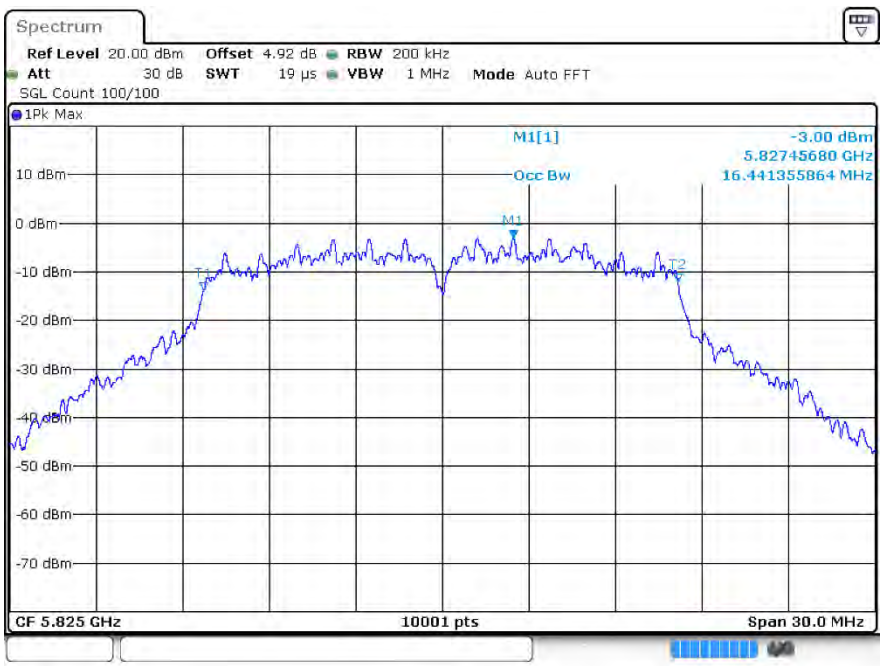
Test Graphs
OBW a 5745MHz Ant1



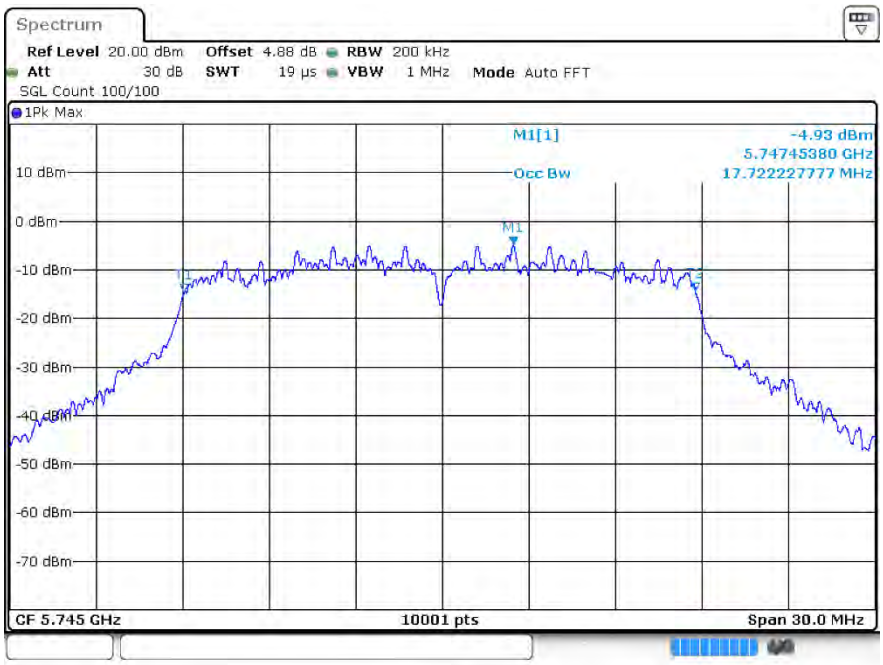
OBW a 5785MHz Ant1



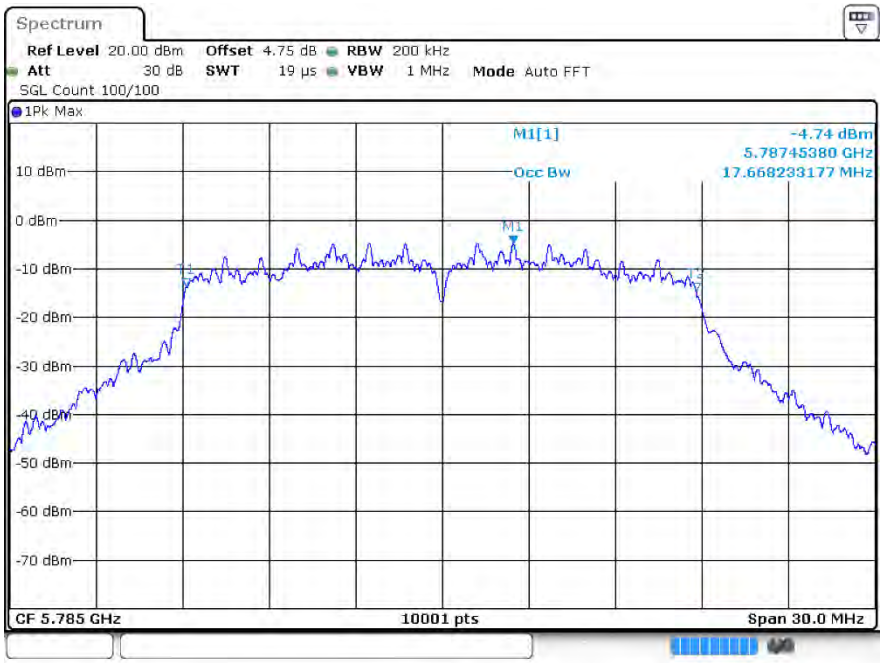
OBW a 5825MHz Ant1



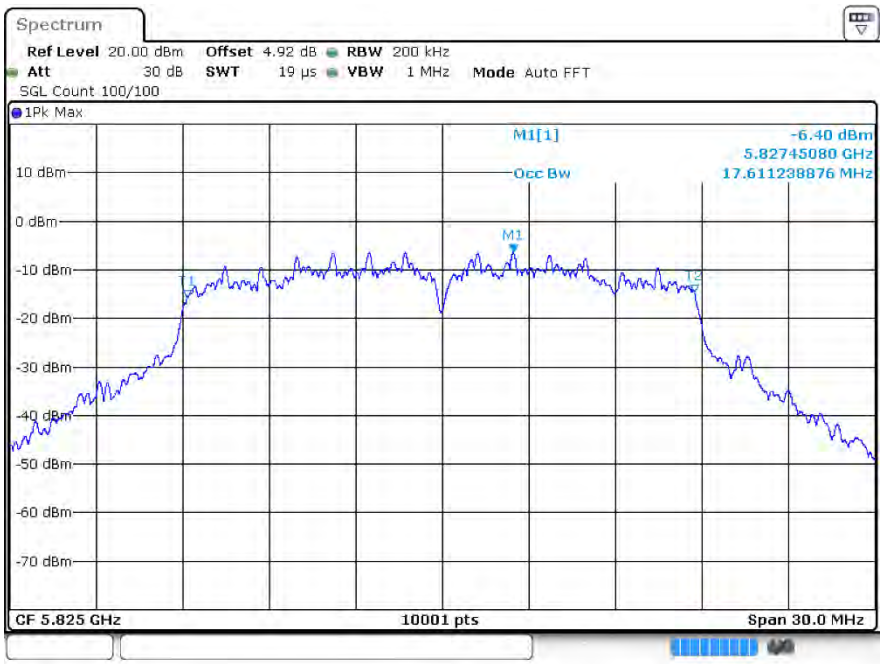
OBW n20 5745MHz Ant1



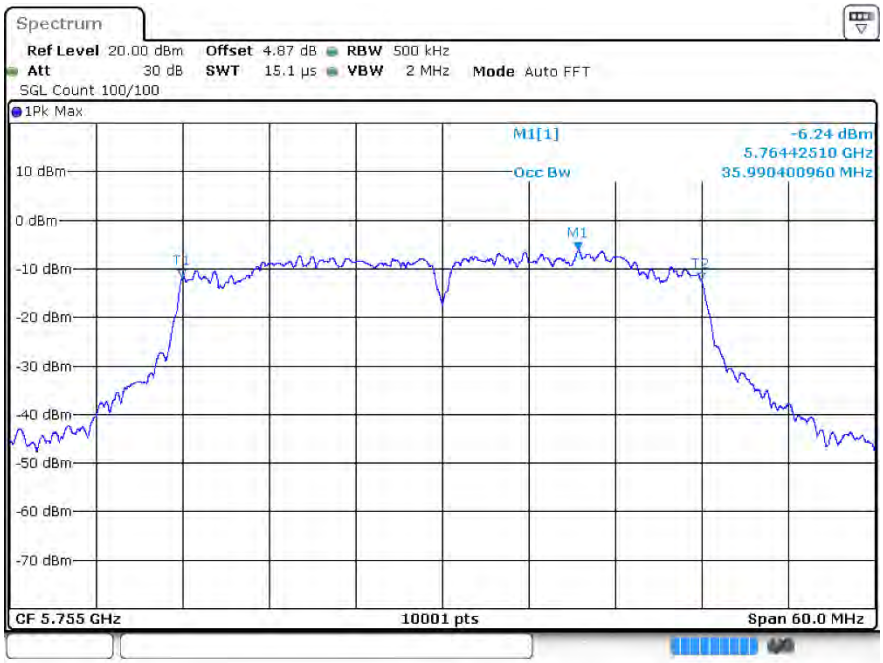
OBW n20 5785MHz Ant1



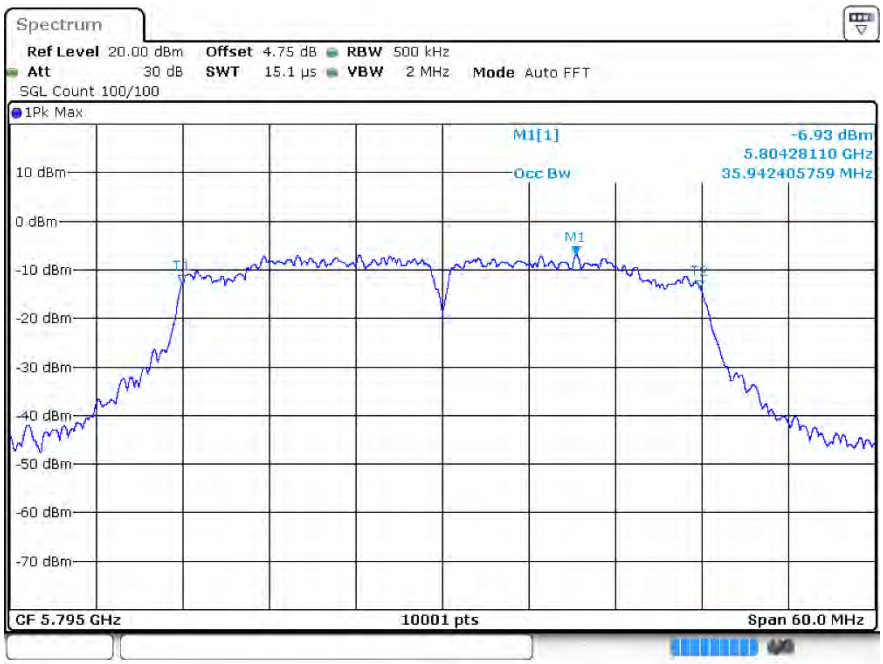
OBW n20 5825MHz Ant1



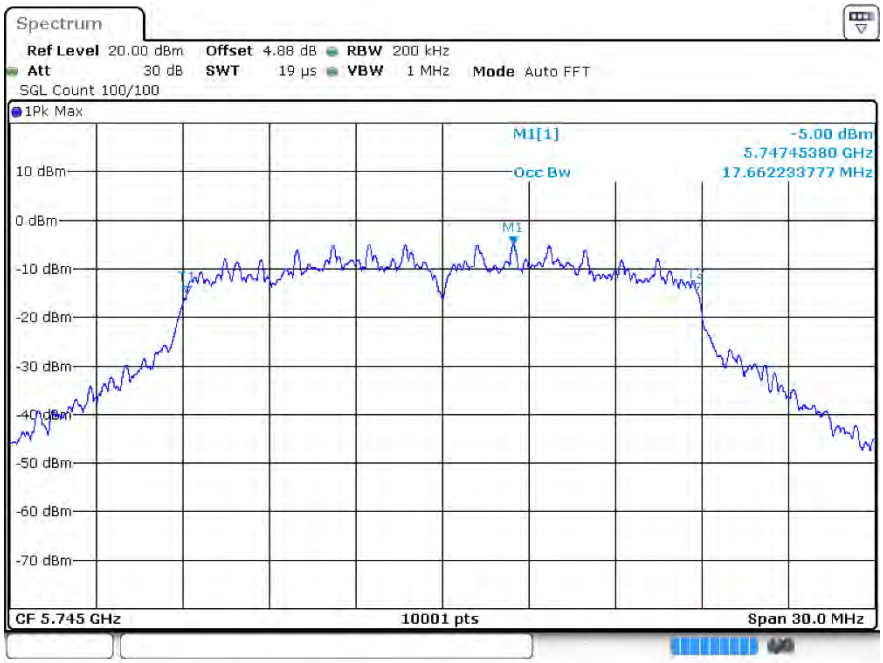
OBW n40 5755MHz Ant1



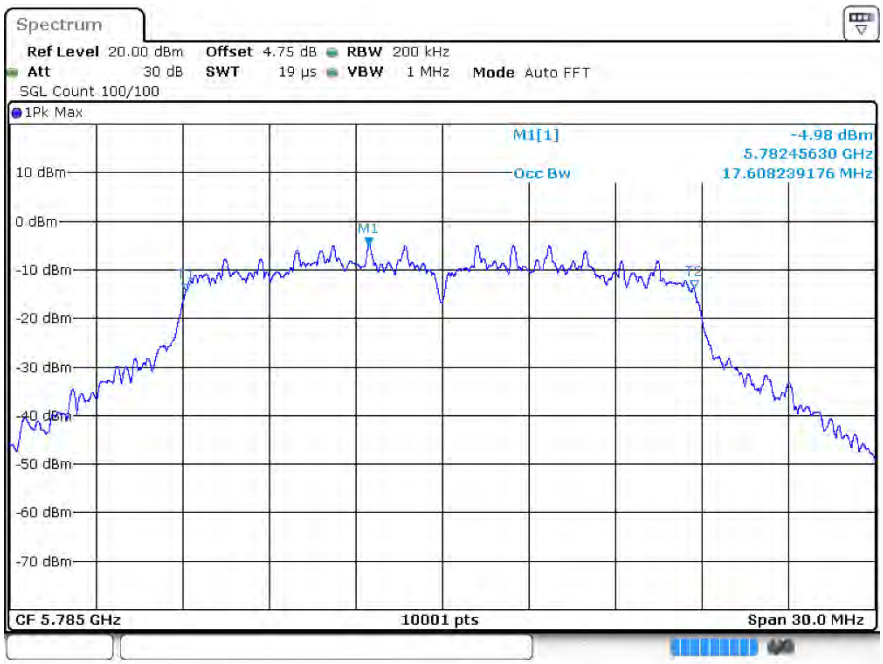
OBW n40 5795MHz Ant1



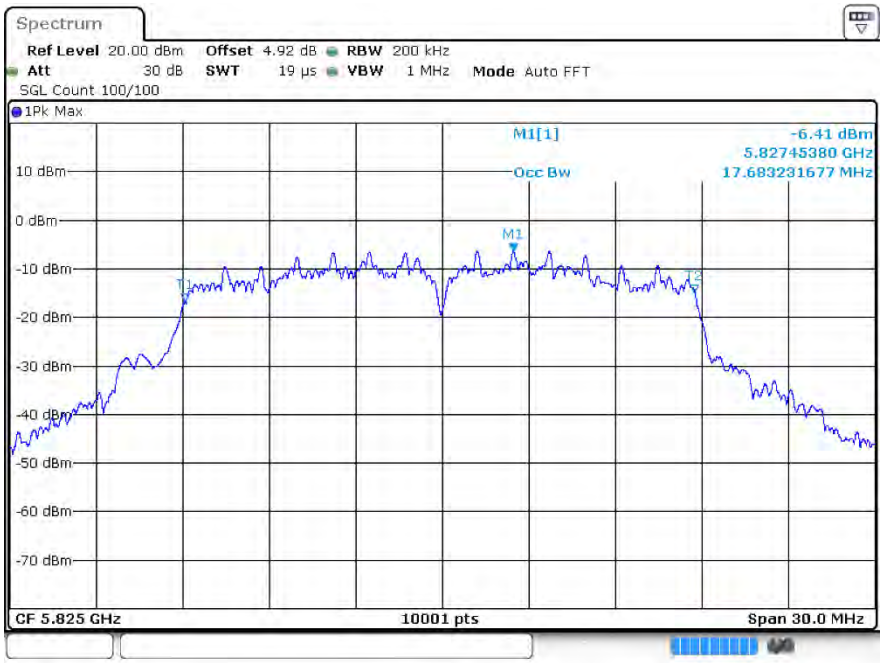
OBW ac20 5745MHz Ant1



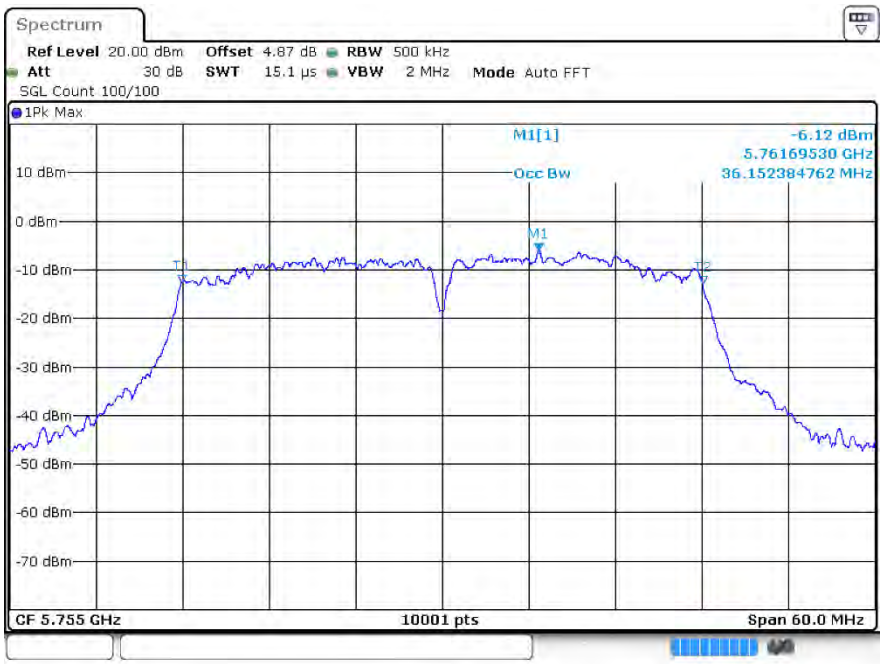
OBW ac20 5785MHz Ant1



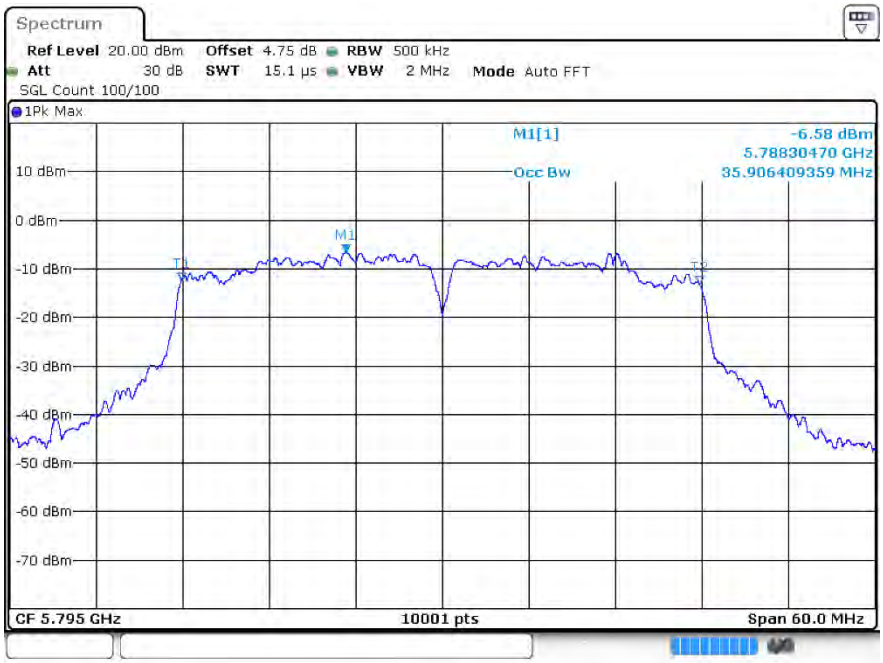
OBW ac20 5825MHz Ant1



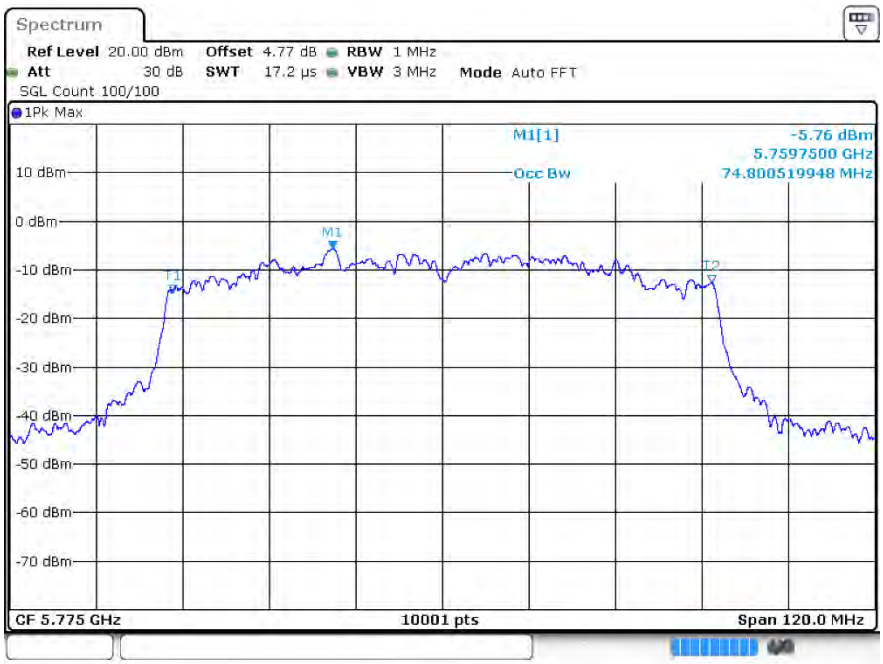
OBW ac40 5755MHz Ant1



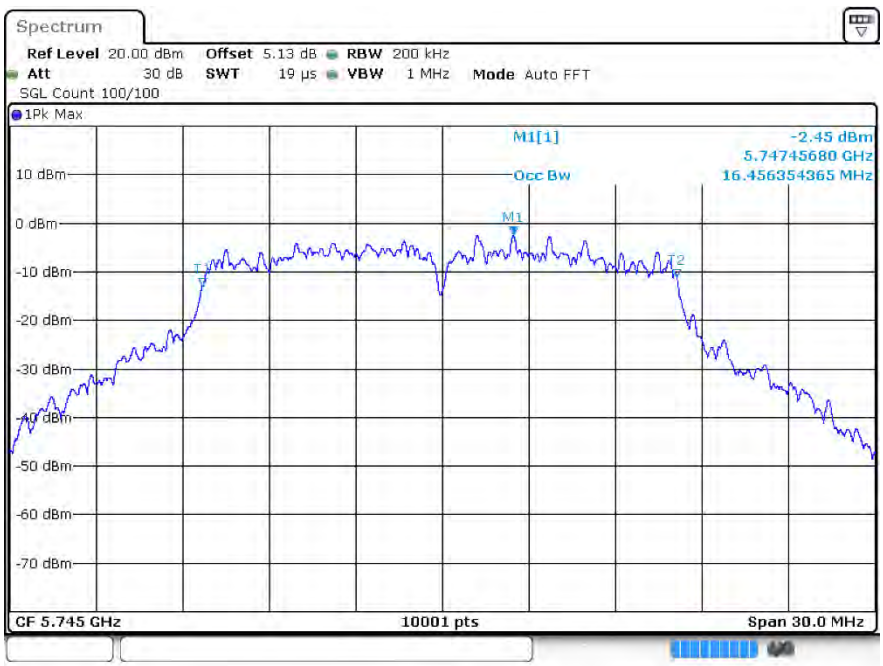
OBW ac40 5795MHz Ant1



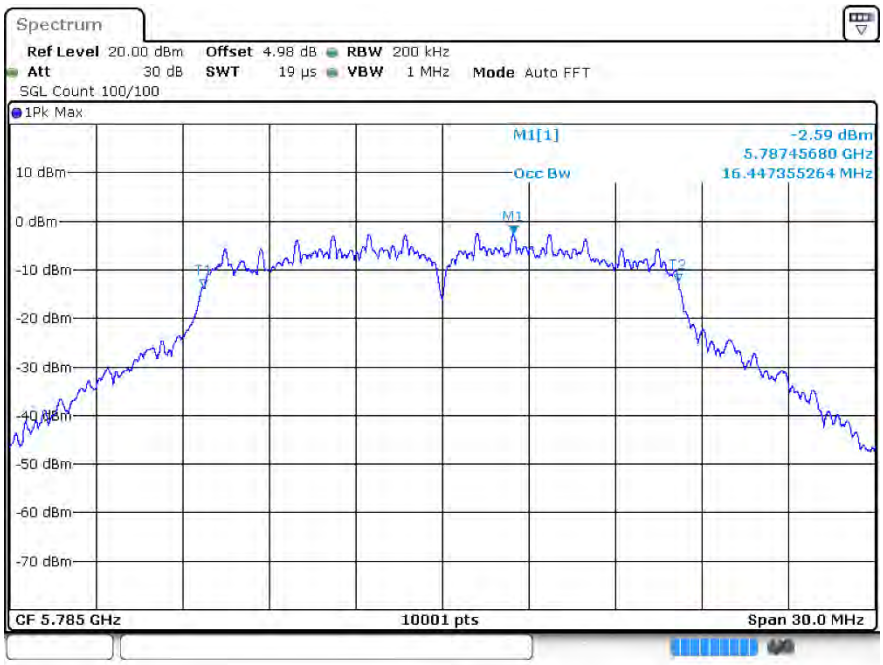
OBW ac80 5775MHz Ant1



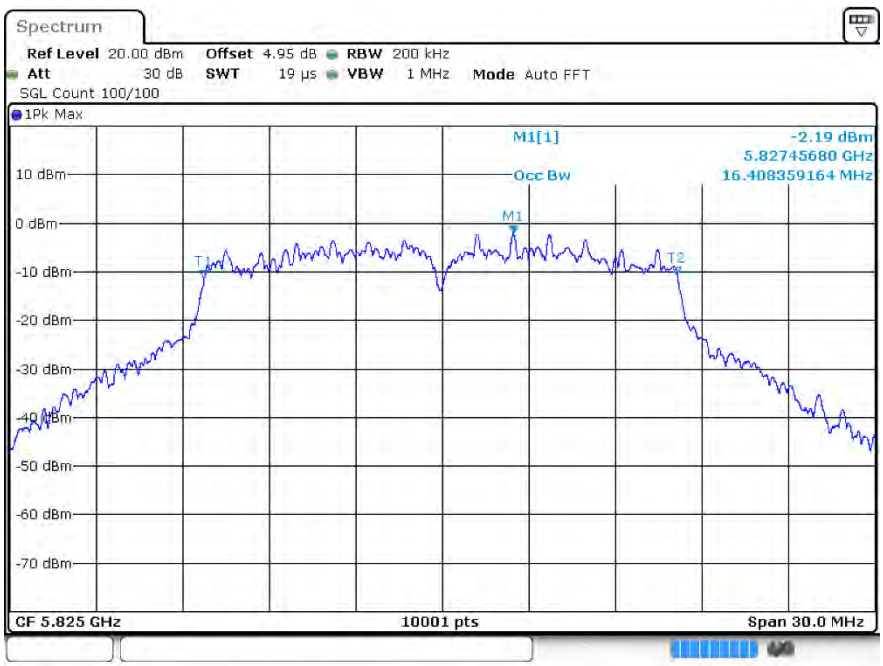
OBW a 5745MHz Ant2



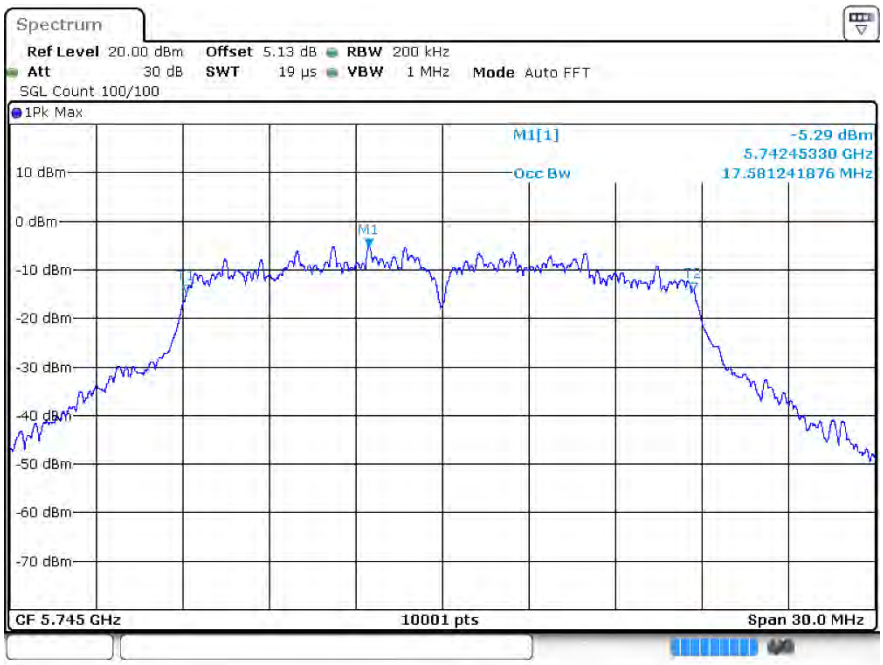
OBW a 5785MHz Ant2



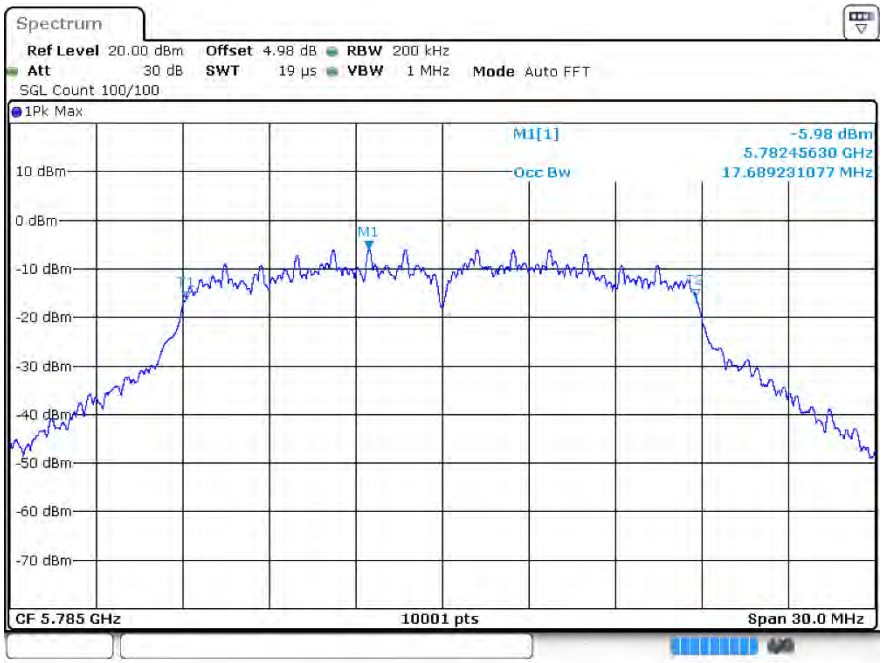
OBW a 5825MHz Ant2



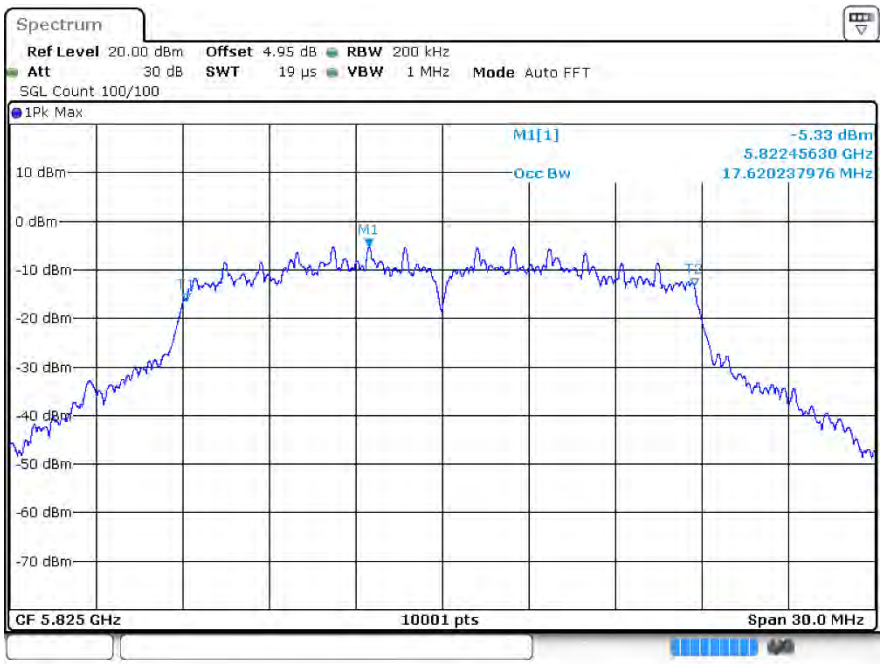
OBW n20 5745MHz Ant2



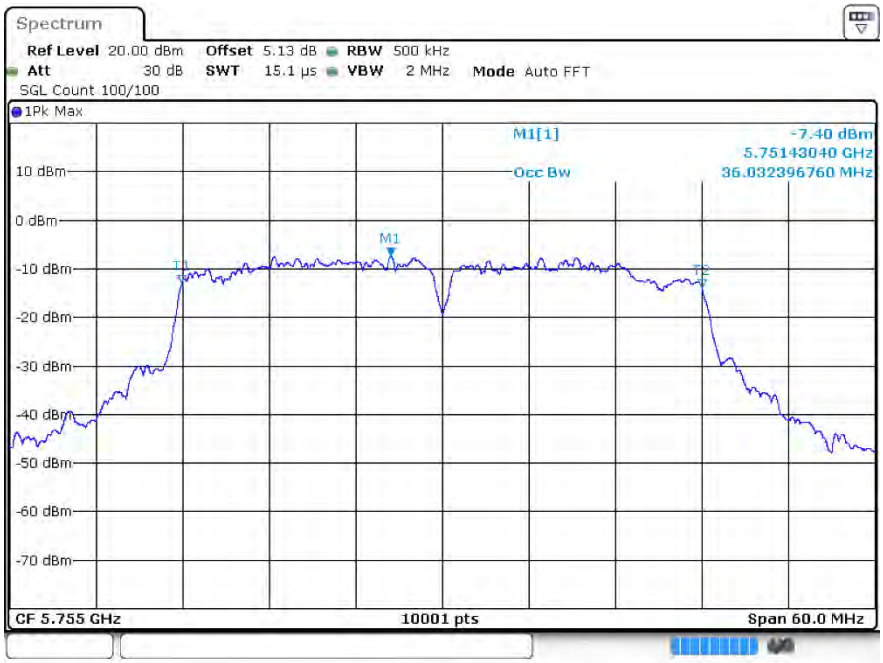
OBW n20 5785MHz Ant2



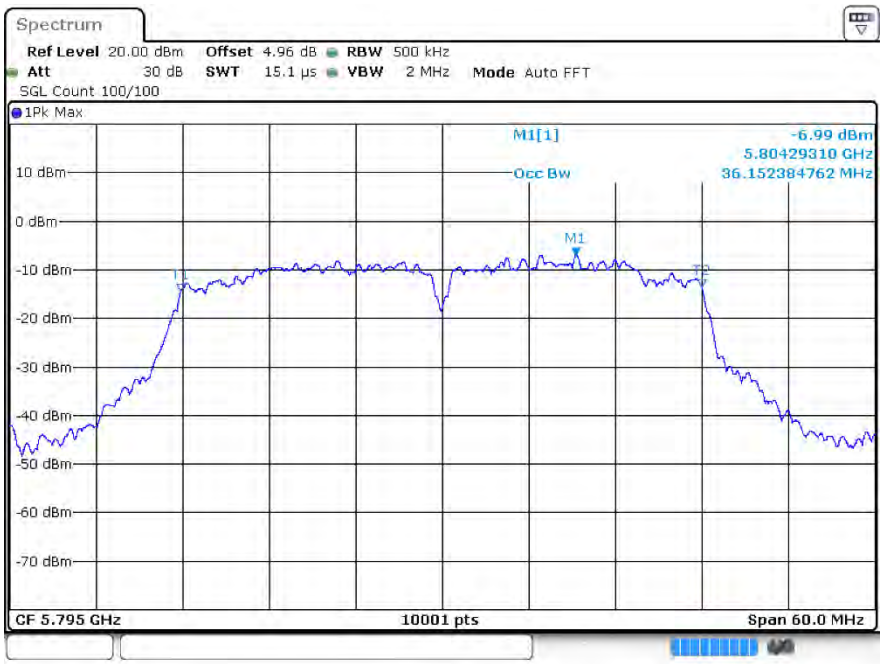
OBW n20 5825MHz Ant2



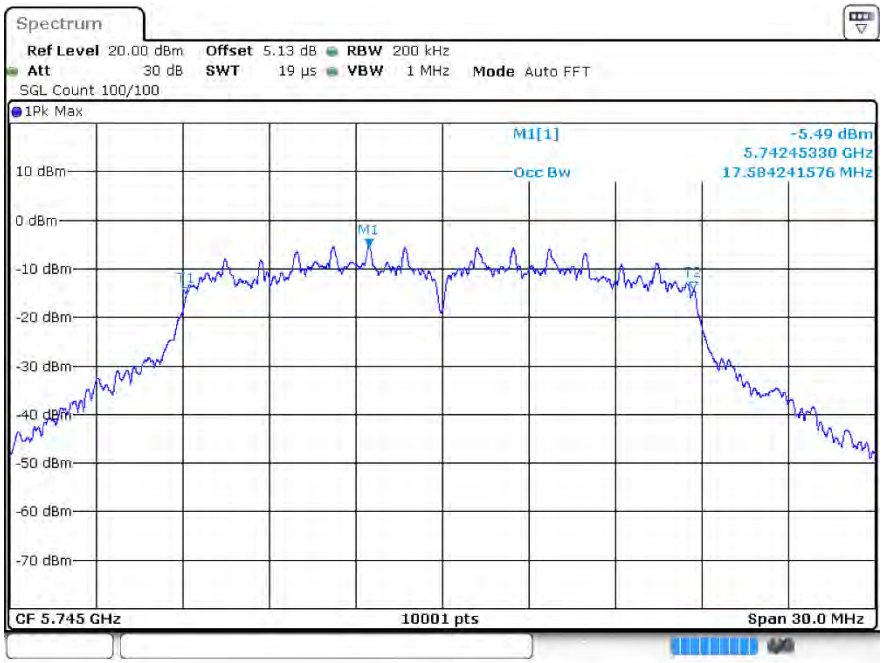
OBW n40 5755MHz Ant2



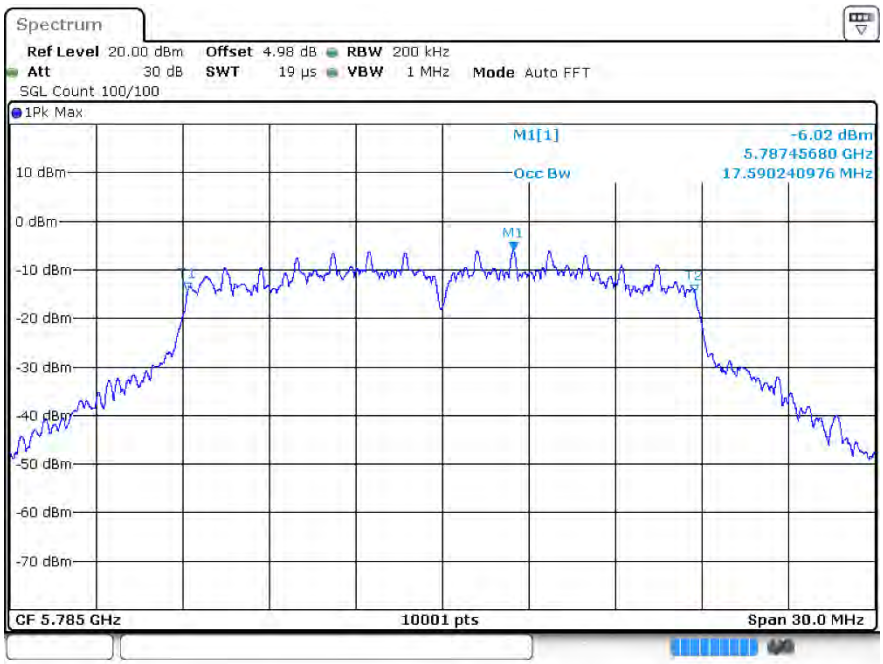
OBW n40 5795MHz Ant2



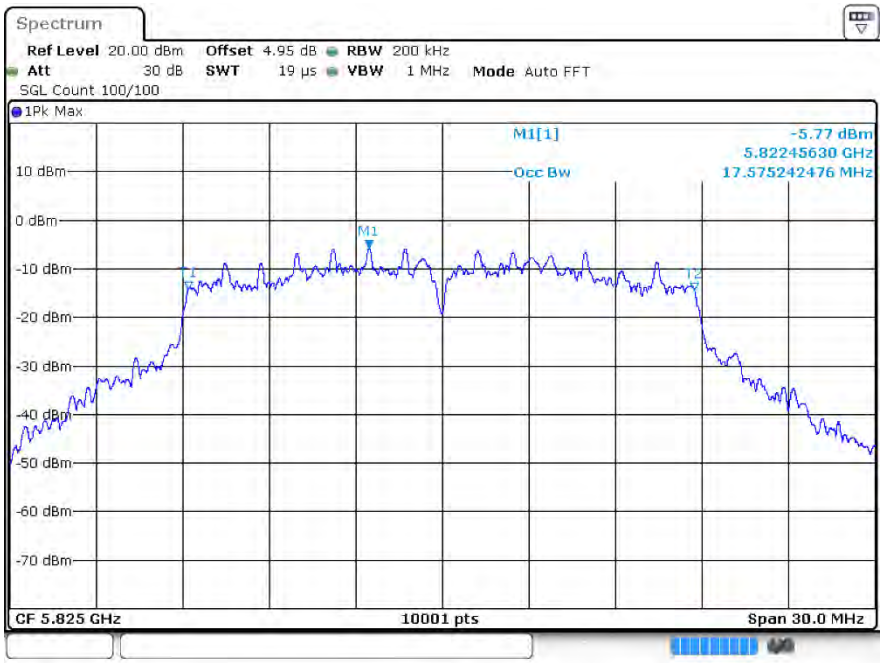
OBW ac20 5745MHz Ant2



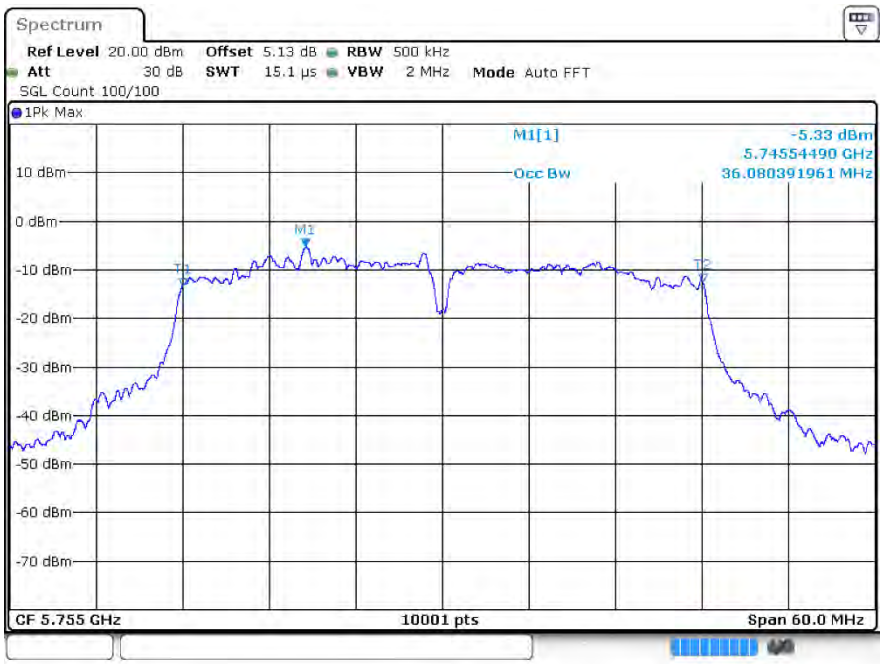
OBW ac20 5785MHz Ant2



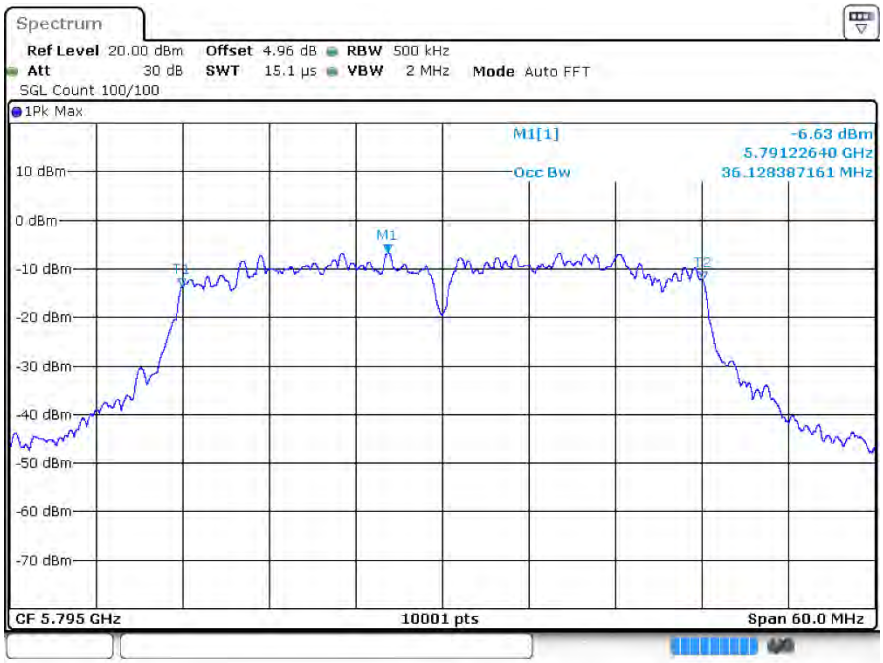
OBW ac20 5825MHz Ant2



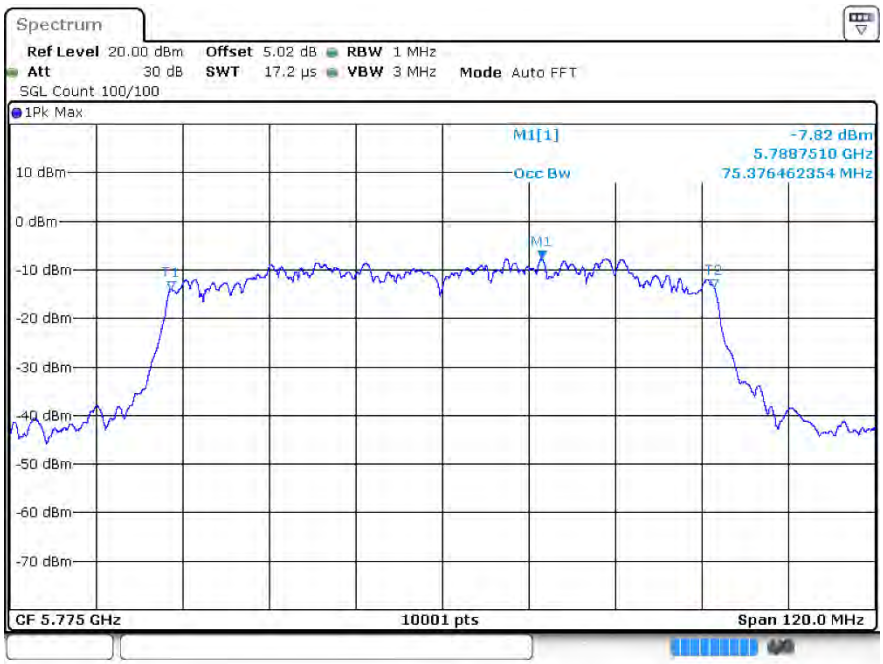
OBW ac40 5755MHz Ant2



OBW ac40 5795MHz Ant2



OBW ac80 5775MHz Ant2



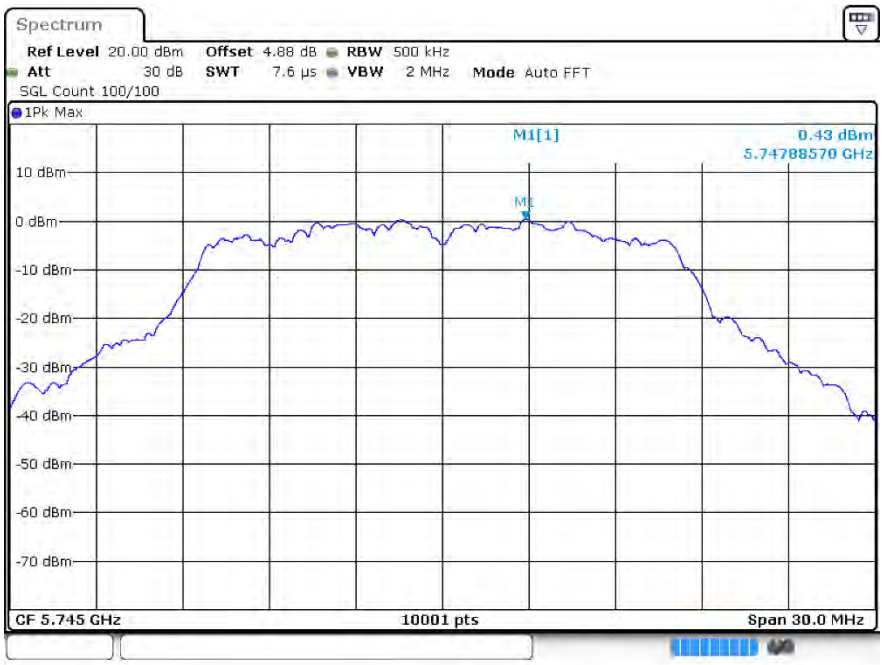
5 Maximum Power Spectral Density Level

5.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
a	5745	Ant1	0.43	0.61	1.04	30	Pass
a	5785	Ant1	1.44	0.61	2.05	30	Pass
a	5825	Ant1	-1.12	0.61	-0.51	30	Pass
a	5745	Ant2	0.03	0.6	0.63	30	Pass
a	5785	Ant2	-0.44	0.61	0.17	30	Pass
a	5825	Ant2	0.62	0.61	1.23	30	Pass
n20	5745	Ant1	-3.12	0.32	-2.8	30	Pass
n20	5745	Ant2	-2.66	0.31	-2.35	30	Pass
n20	5745	Sum	0.13	0.31	0.44	28.49	Pass
n20	5785	Ant1	-3.35	0.32	-3.03	30	Pass
n20	5785	Ant2	-3.83	0.31	-3.52	30	Pass
n20	5785	Sum	-0.57	0.31	-0.26	28.49	Pass
n20	5825	Ant1	-4	0.31	-3.69	30	Pass
n20	5825	Ant2	-4.13	0.31	-3.82	30	Pass
n20	5825	Sum	-1.05	0.31	-0.74	28.49	Pass
n40	5755	Ant1	-5.56	0.32	-5.24	30	Pass
n40	5755	Ant2	-7.09	0.35	-6.74	30	Pass
n40	5755	Sum	-3.25	0.35	-2.9	28.49	Pass
n40	5795	Ant1	-6.57	0.32	-6.25	30	Pass
n40	5795	Ant2	-7.41	0.33	-7.08	30	Pass
n40	5795	Sum	-3.96	0.33	-3.63	28.49	Pass
ac20	5745	Ant1	-2.96	0.6	-2.36	30	Pass
ac20	5745	Ant2	-3.48	0.6	-2.88	30	Pass
ac20	5745	Sum	-0.2	0.6	0.4	28.49	Pass
ac20	5785	Ant1	-3.31	0.6	-2.71	30	Pass
ac20	5785	Ant2	-3.69	0.6	-3.09	30	Pass
ac20	5785	Sum	-0.49	0.6	0.11	28.49	Pass
ac20	5825	Ant1	-4.58	0.6	-3.98	30	Pass
ac20	5825	Ant2	-1.17	0.6	-0.57	30	Pass
ac20	5825	Sum	0.46	0.6	1.06	28.49	Pass
ac40	5755	Ant1	-5.86	0.59	-5.27	30	Pass
ac40	5755	Ant2	-6.33	0.6	-5.73	30	Pass
ac40	5755	Sum	-3.08	0.6	-2.48	28.49	Pass
ac40	5795	Ant1	-7.09	0.59	-6.5	30	Pass
ac40	5795	Ant2	-5.36	0.64	-4.72	30	Pass

ac40	5795	Sum	-3.13	0.64	-2.49	28.49	Pass
ac80	5775	Ant1	-9.67	0.62	-9.05	30	Pass
ac80	5775	Ant2	-10.5	0.91	-9.59	30	Pass
ac80	5775	Sum	-7.05	0.91	-6.14	28.49	Pass

5.2 Test Graphs

Test Graphs
PSD a 5745MHz Ant1

PSD a 5785MHz Ant1

PSD a 5825MHz Ant1

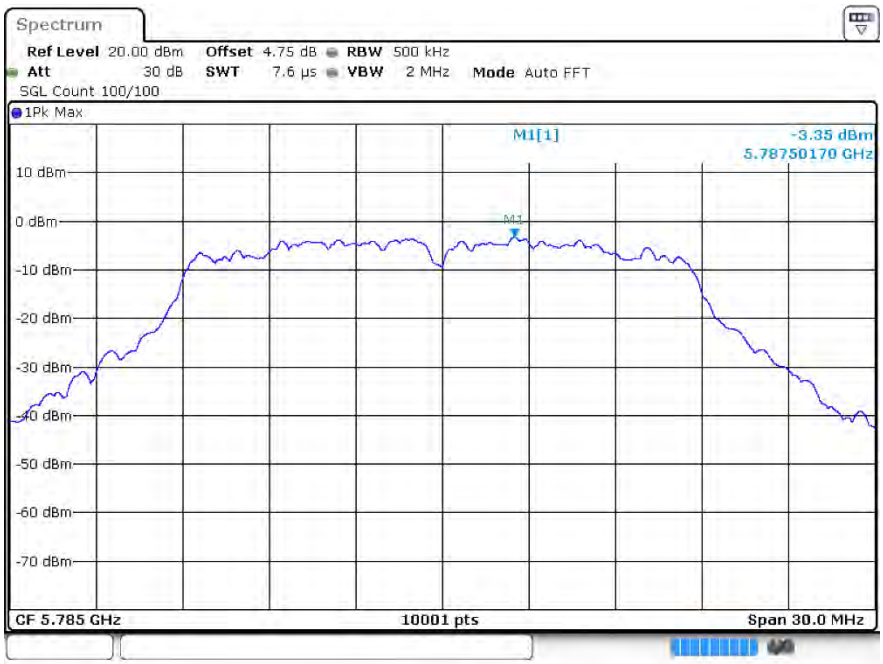
PSD a 5745MHz Ant2

PSD a 5785MHz Ant2

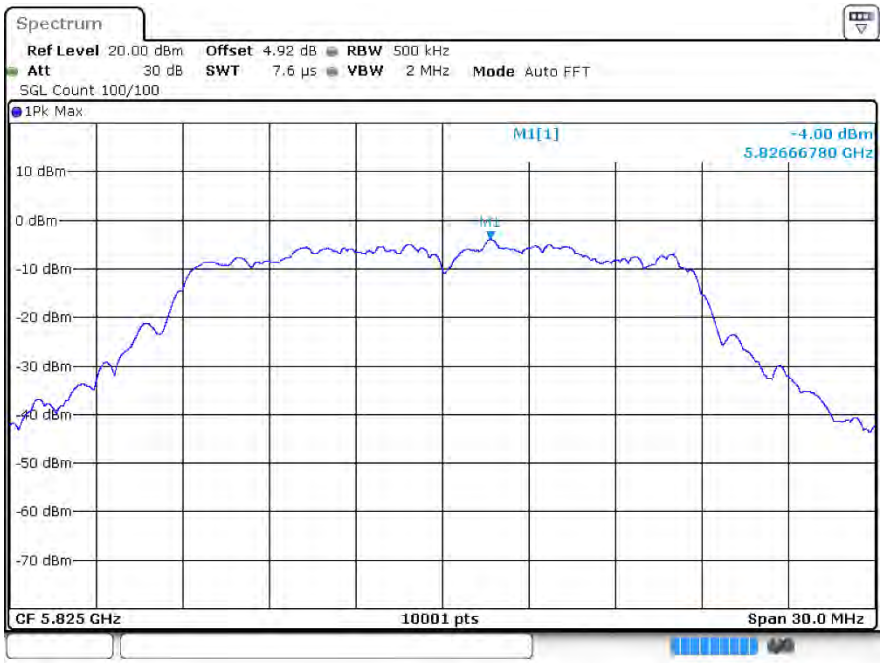
PSD a 5825MHz Ant2

PSD n20 5745MHz Ant1

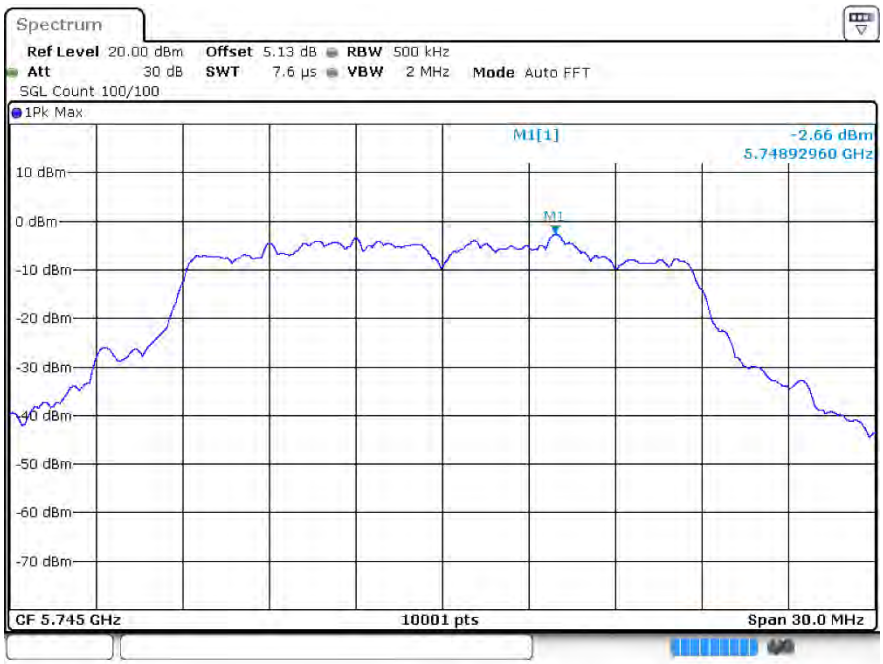
PSD n20 5785MHz Ant1



PSD n20 5825MHz Ant1



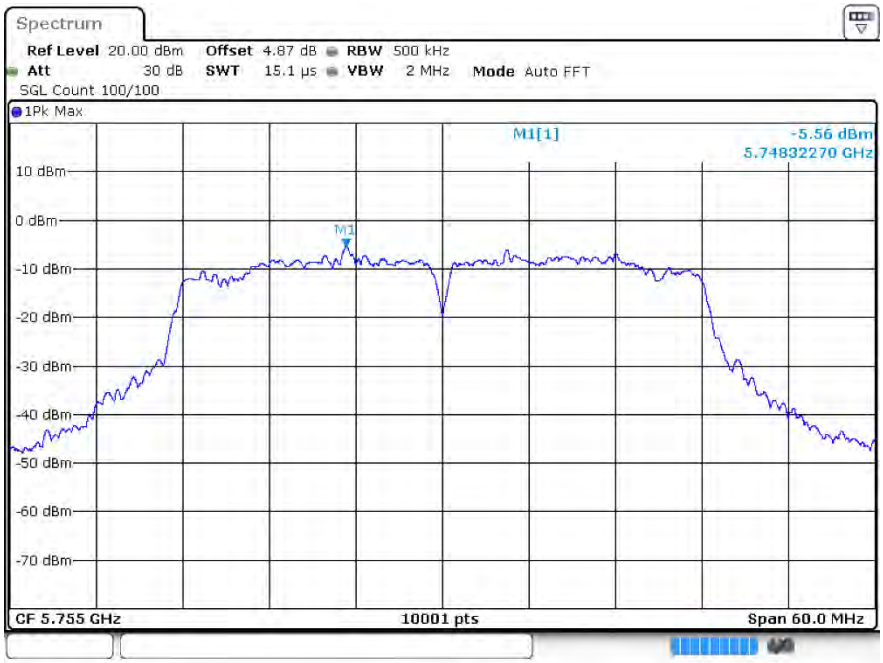
PSD n20 5745MHz Ant2



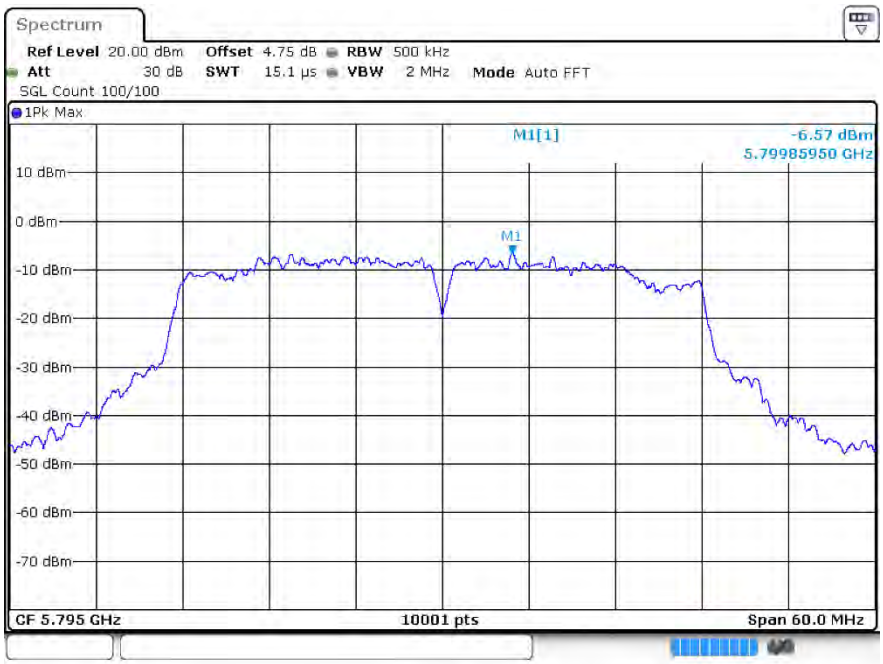
PSD n20 5785MHz Ant2

PSD n20 5825MHz Ant2

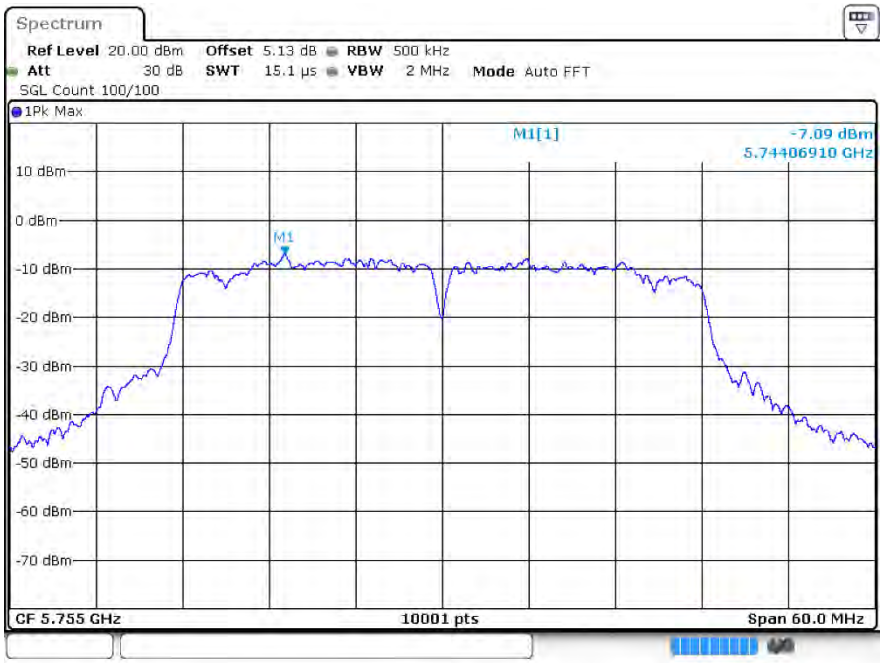
PSD n40 5755MHz Ant1



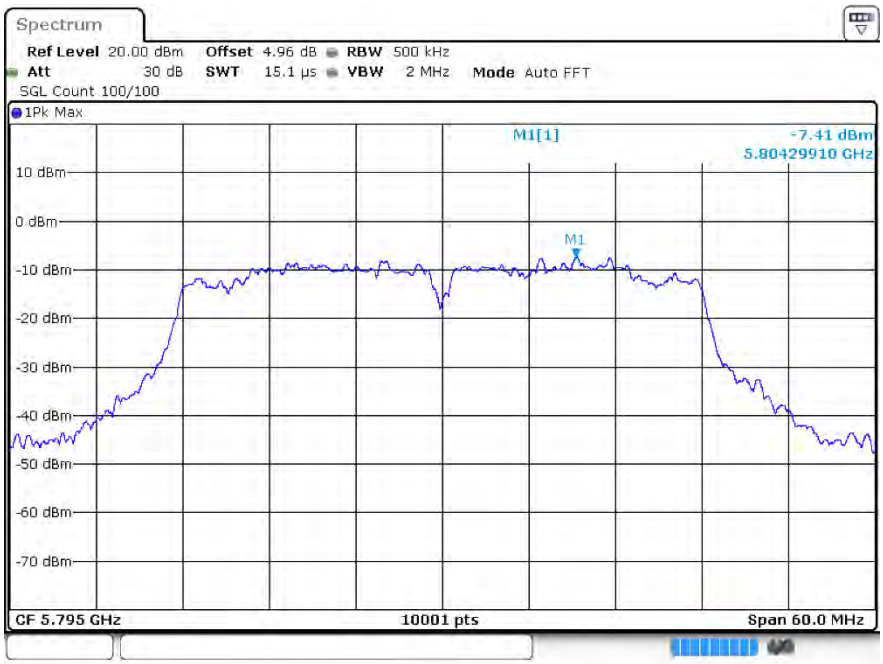
PSD n40 5795MHz Ant1



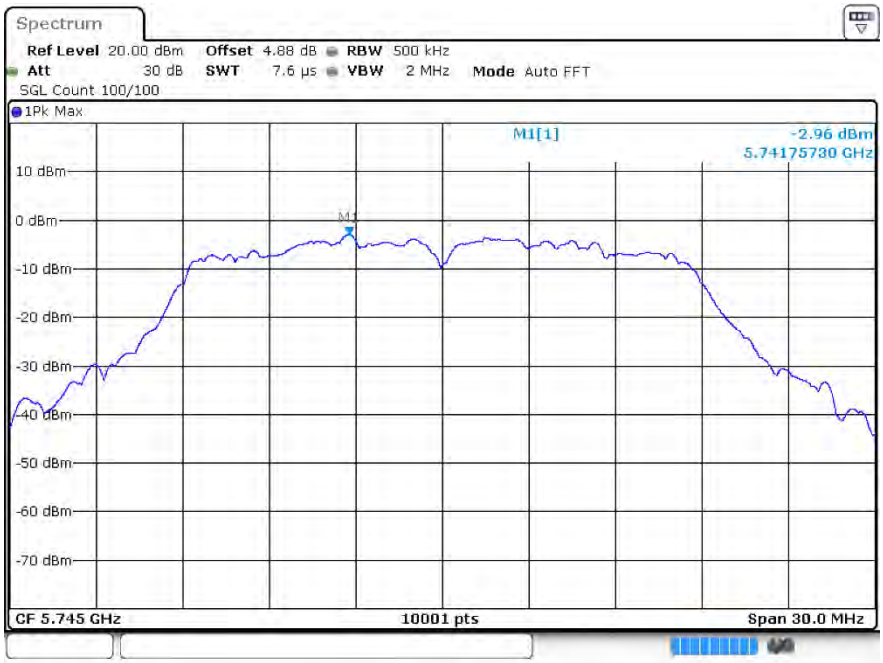
PSD n40 5755MHz Ant2



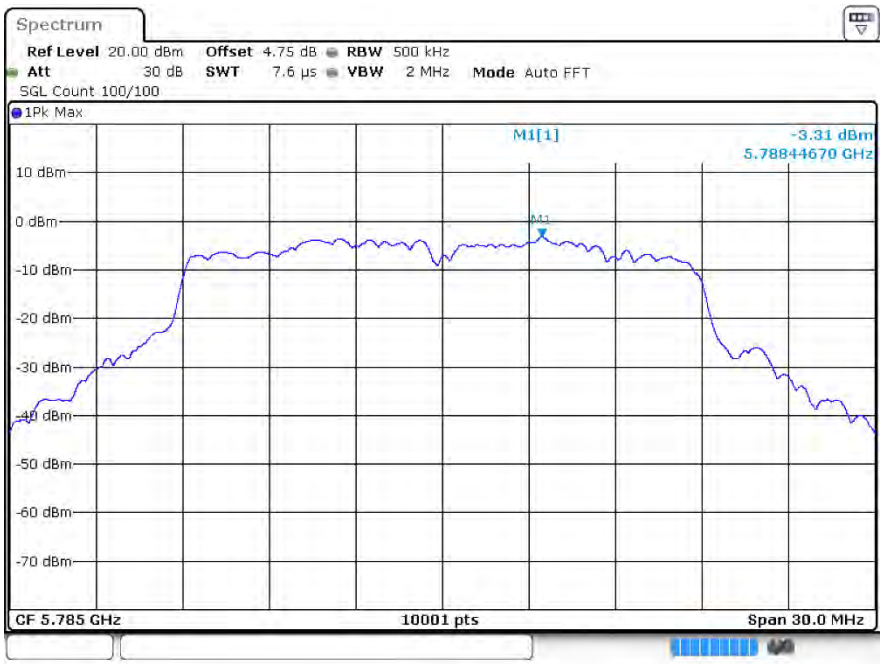
PSD n40 5795MHz Ant2



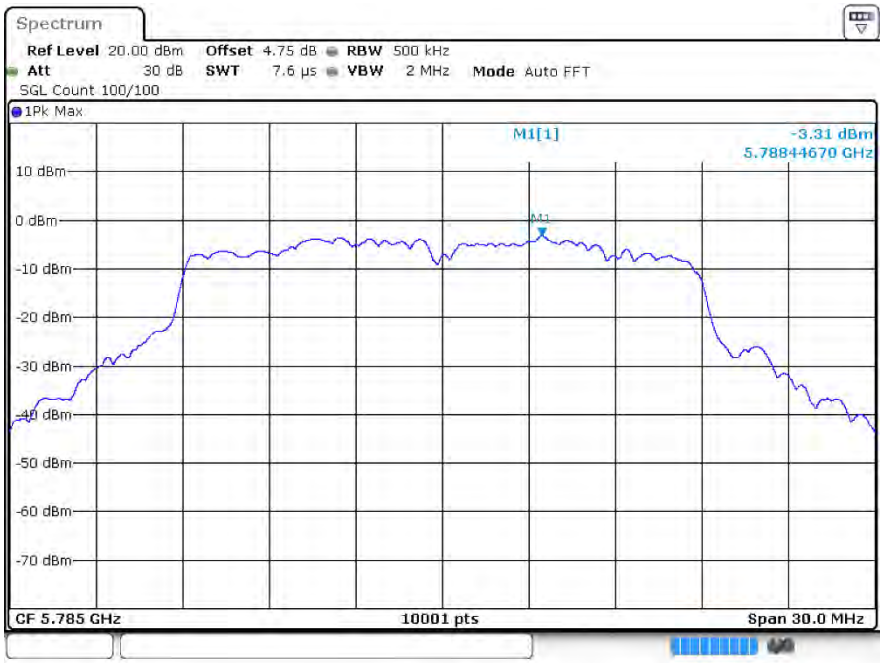
PSD ac20 5745MHz Ant1



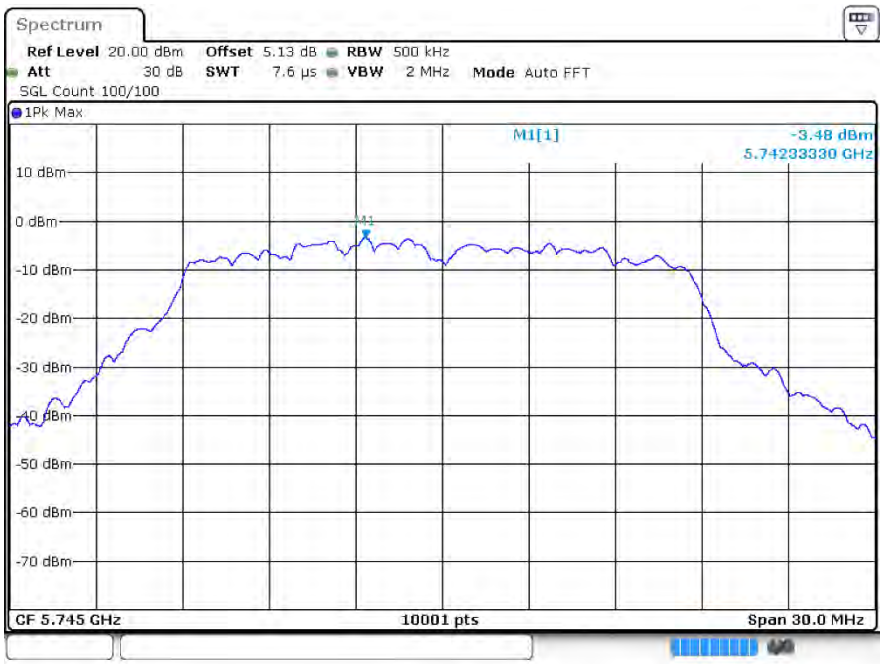
PSD ac20 5785MHz Ant1



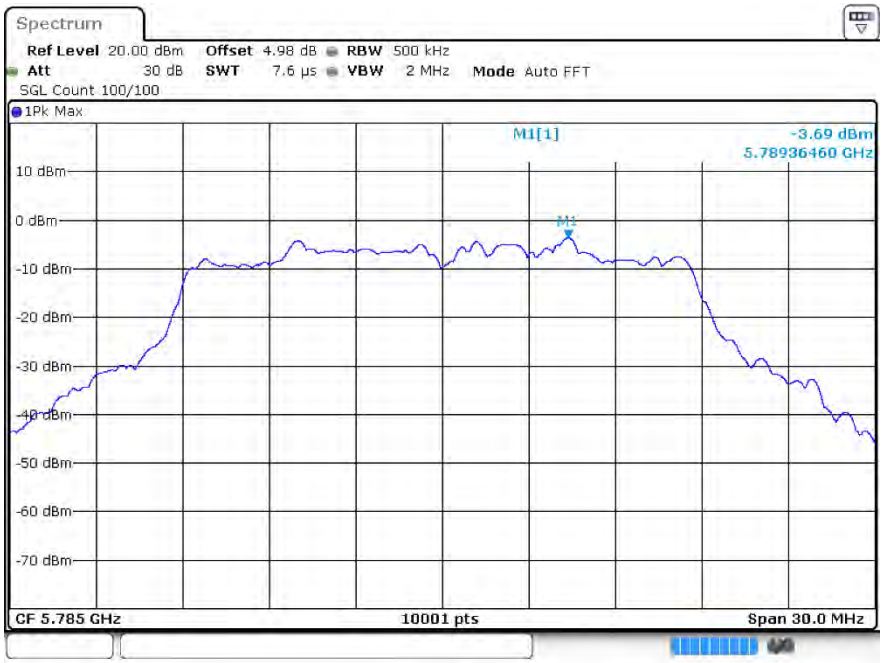
PSD ac20 5825MHz Ant1



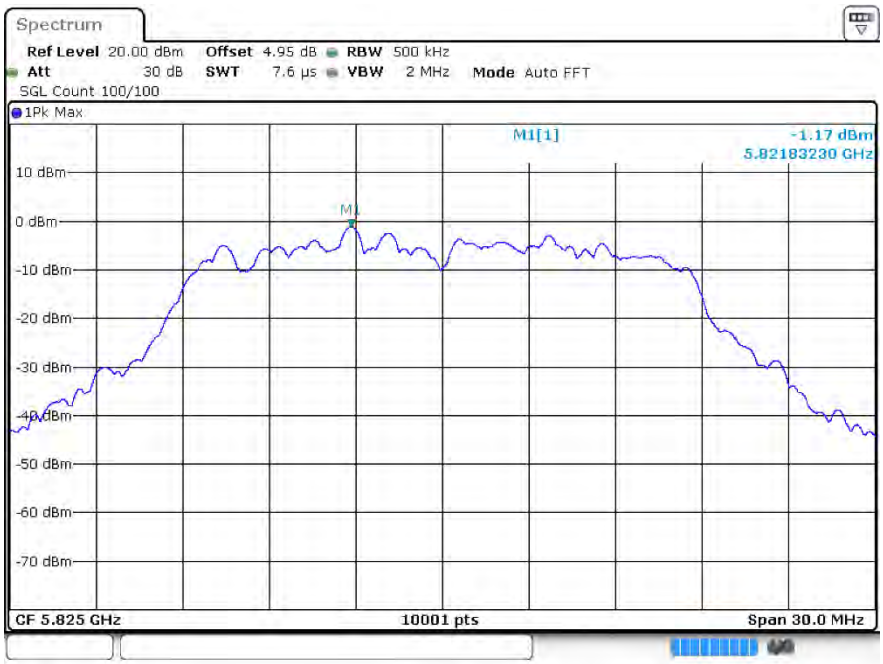
PSD ac20 5745MHz Ant2



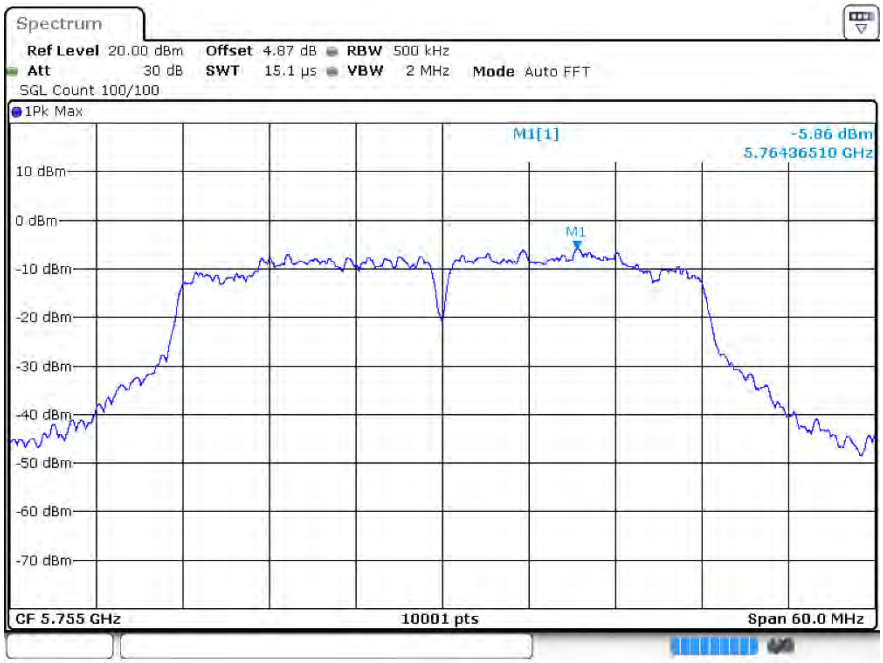
PSD ac20 5785MHz Ant2



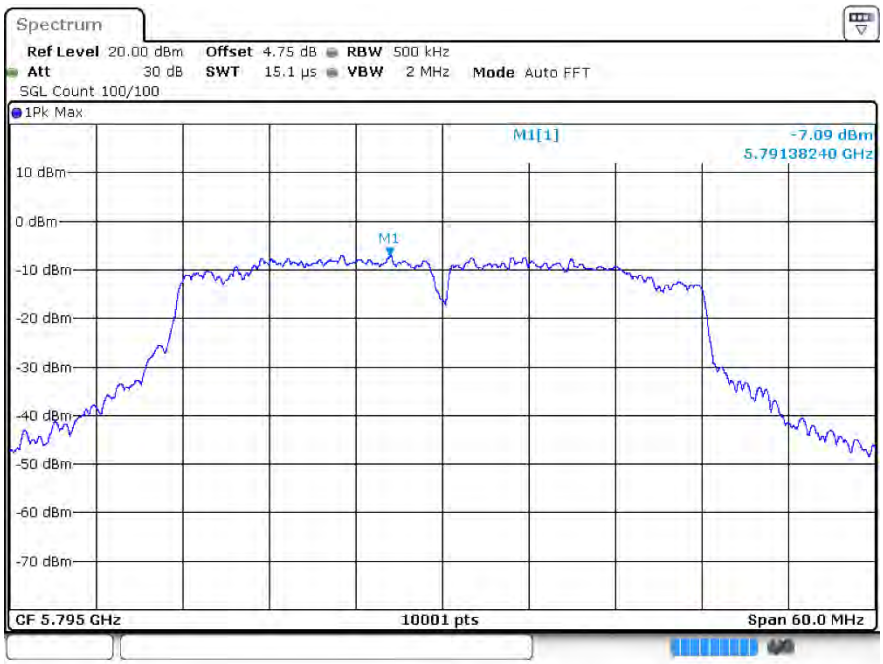
PSD ac20 5825MHz Ant2



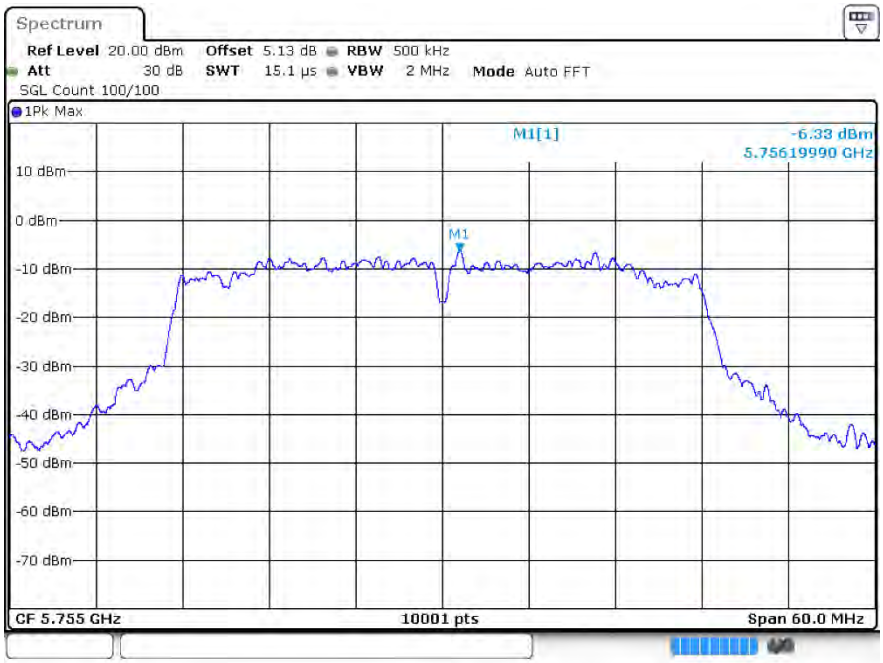
PSD ac40 5755MHz Ant1



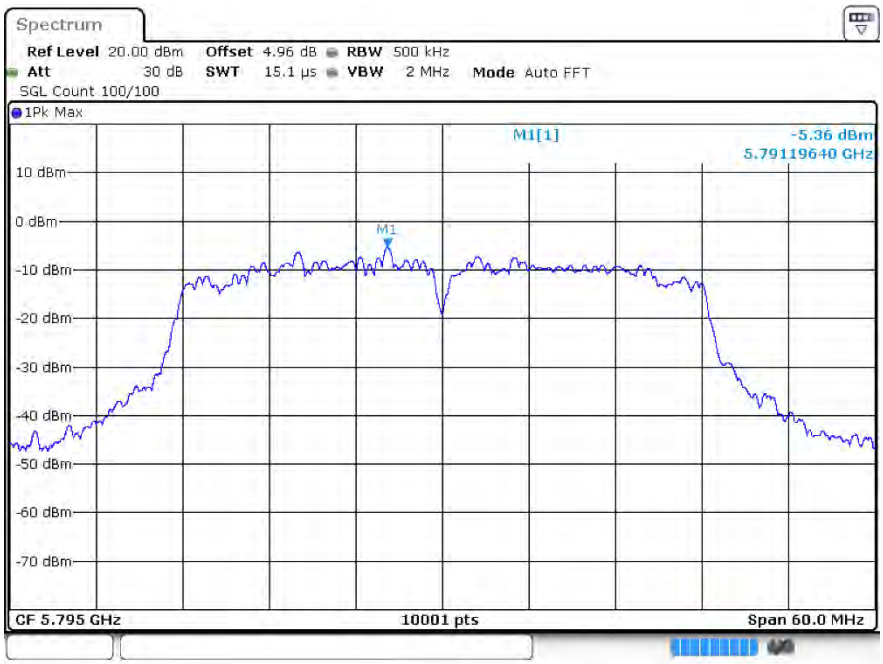
PSD ac40 5795MHz Ant1



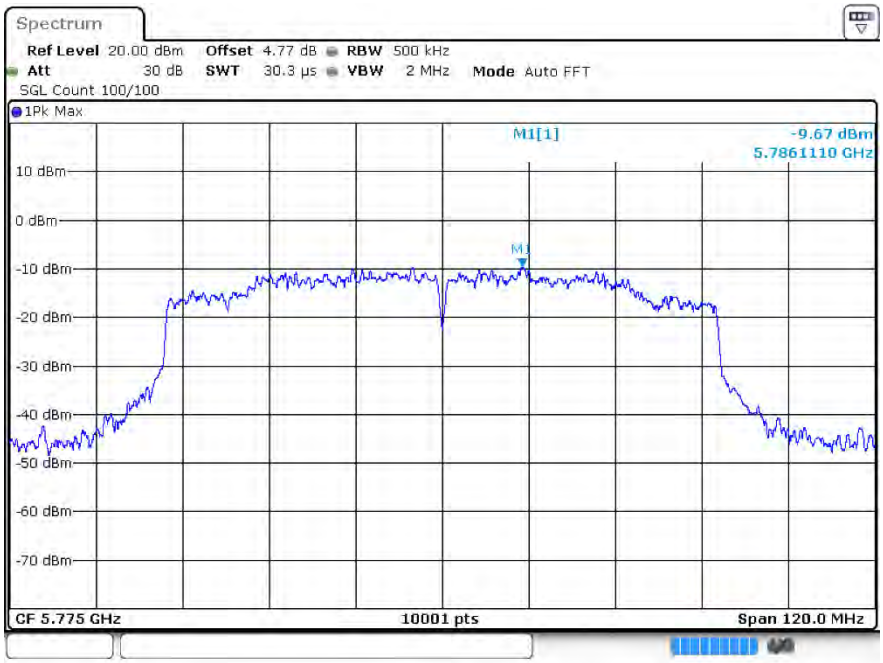
PSD ac40 5755MHz Ant2



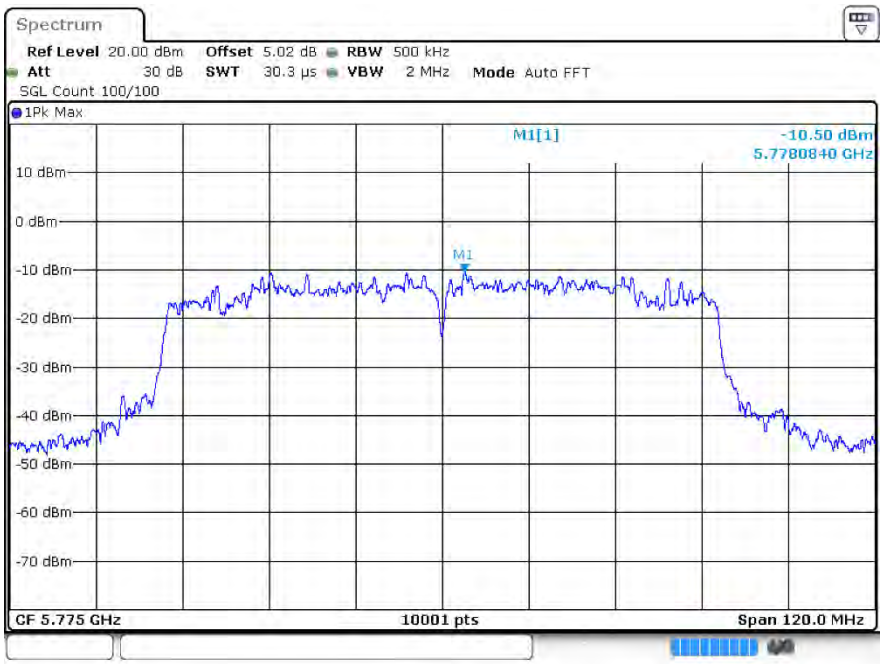
PSD ac40 5795MHz Ant2



PSD ac80 5775MHz Ant1



PSD ac80 5775MHz Ant2



6 Frequency Stability

6.1 Test Result

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 102V	a	5745	Ant1	5744.94	-60000	-10.44	25	Pass
20C 120V	a	5745	Ant1	5744.94	-60000	-10.44	25	Pass
20C 138V	a	5745	Ant1	5744.98	-20000	-3.48	25	Pass
-20C 120V	a	5745	Ant1	5744.98	-20000	-3.48	25	Pass
-10C 120V	a	5745	Ant1	5744.96	-40000	-6.96	25	Pass
0C 120V	a	5745	Ant1	5744.94	-60000	-10.44	25	Pass
10C 120V	a	5745	Ant1	5744.96	-40000	-6.96	25	Pass
30C 120V	a	5745	Ant1	5744.96	-40000	-6.96	25	Pass
40C 120V	a	5745	Ant1	5744.98	-20000	-3.48	25	Pass
50C 120V	a	5745	Ant1	5744.98	-20000	-3.48	25	Pass
20C 102V	a	5785	Ant1	5784.96	-40000	-6.91	25	Pass
20C 120V	a	5785	Ant1	5784.96	-40000	-6.91	25	Pass
20C 138V	a	5785	Ant1	5784.98	-20000	-3.46	25	Pass
-20C 120V	a	5785	Ant1	5784.96	-40000	-6.91	25	Pass
-10C 120V	a	5785	Ant1	5784.9	-100000	-17.29	25	Pass
0C 120V	a	5785	Ant1	5784.94	-60000	-10.37	25	Pass
10C 120V	a	5785	Ant1	5784.98	-20000	-3.46	25	Pass
30C 120V	a	5785	Ant1	5784.94	-60000	-10.37	25	Pass
40C 120V	a	5785	Ant1	5784.94	-60000	-10.37	25	Pass
50C 120V	a	5785	Ant1	5784.94	-60000	-10.37	25	Pass
20C 102V	a	5825	Ant1	5824.98	-20000	-3.43	25	Pass
20C 120V	a	5825	Ant1	5824.94	-60000	-10.3	25	Pass
20C 138V	a	5825	Ant1	5824.94	-60000	-10.3	25	Pass
-20C 120V	a	5825	Ant1	5824.96	-40000	-6.87	25	Pass
-10C 120V	a	5825	Ant1	5824.96	-40000	-6.87	25	Pass
0C 120V	a	5825	Ant1	5824.94	-60000	-10.3	25	Pass
10C 120V	a	5825	Ant1	5824.98	-20000	-3.43	25	Pass
30C 120V	a	5825	Ant1	5824.96	-40000	-6.87	25	Pass
40C 120V	a	5825	Ant1	5824.96	-40000	-6.87	25	Pass
50C 120V	a	5825	Ant1	5824.98	-20000	-3.43	25	Pass
20C 102V	n20	5745	Ant1	5744.96	-40000	-6.96	25	Pass
20C 120V	n20	5745	Ant1	5744.96	-40000	-6.96	25	Pass
20C 138V	n20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
-20C 120V	n20	5745	Ant1	5744.96	-40000	-6.96	25	Pass
-10C 120V	n20	5745	Ant1	5744.94	-60000	-10.44	25	Pass

0C 120V	n20	5745	Ant1	5744.94	-60000	-10.44	25	Pass
10C 120V	n20	5745	Ant1	5744.96	-40000	-6.96	25	Pass
30C 120V	n20	5745	Ant1	5744.94	-60000	-10.44	25	Pass
40C 120V	n20	5745	Ant1	5744.92	-80000	-13.93	25	Pass
50C 120V	n20	5745	Ant1	5744.96	-40000	-6.96	25	Pass
20C 102V	n20	5785	Ant1	5784.96	-40000	-6.91	25	Pass
20C 120V	n20	5785	Ant1	5784.96	-40000	-6.91	25	Pass
20C 138V	n20	5785	Ant1	5784.96	-40000	-6.91	25	Pass
-20C 120V	n20	5785	Ant1	5784.94	-60000	-10.37	25	Pass
-10C 120V	n20	5785	Ant1	5784.96	-40000	-6.91	25	Pass
0C 120V	n20	5785	Ant1	5784.94	-60000	-10.37	25	Pass
10C 120V	n20	5785	Ant1	5784.92	-80000	-13.83	25	Pass
30C 120V	n20	5785	Ant1	5784.96	-40000	-6.91	25	Pass
40C 120V	n20	5785	Ant1	5784.94	-60000	-10.37	25	Pass
50C 120V	n20	5785	Ant1	5784.96	-40000	-6.91	25	Pass
20C 102V	n20	5825	Ant1	5824.96	-40000	-6.87	25	Pass
20C 120V	n20	5825	Ant1	5824.94	-60000	-10.3	25	Pass
20C 138V	n20	5825	Ant1	5824.94	-60000	-10.3	25	Pass
-20C 120V	n20	5825	Ant1	5824.96	-40000	-6.87	25	Pass
-10C 120V	n20	5825	Ant1	5824.96	-40000	-6.87	25	Pass
0C 120V	n20	5825	Ant1	5824.94	-60000	-10.3	25	Pass
10C 120V	n20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
30C 120V	n20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
40C 120V	n20	5825	Ant1	5824.96	-40000	-6.87	25	Pass
50C 120V	n20	5825	Ant1	5824.96	-40000	-6.87	25	Pass
20C 102V	n40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
20C 120V	n40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
20C 138V	n40	5755	Ant1	5755	0	0	25	Pass
-20C 120V	n40	5755	Ant1	5755	0	0	25	Pass
-10C 120V	n40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
0C 120V	n40	5755	Ant1	5755	0	0	25	Pass
10C 120V	n40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
30C 120V	n40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
40C 120V	n40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
50C 120V	n40	5755	Ant1	5754.92	-80000	-13.9	25	Pass
20C 102V	n40	5795	Ant1	5795	0	0	25	Pass
20C 120V	n40	5795	Ant1	5794.92	-80000	-13.81	25	Pass
20C 138V	n40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
-20C 120V	n40	5795	Ant1	5794.92	-80000	-13.81	25	Pass
-10C 120V	n40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
0C 120V	n40	5795	Ant1	5794.92	-80000	-13.81	25	Pass
10C 120V	n40	5795	Ant1	5794.92	-80000	-13.81	25	Pass
30C 120V	n40	5795	Ant1	5794.96	-40000	-6.9	25	Pass

40C 120V	n40	5795	Ant1	5794.92	-80000	-13.81	25	Pass
50C 120V	n40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
20C 102V	ac20	5745	Ant1	5744.94	-60000	-10.44	25	Pass
20C 120V	ac20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
20C 138V	ac20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
-20C 120V	ac20	5745	Ant1	5744.96	-40000	-6.96	25	Pass
-10C 120V	ac20	5745	Ant1	5744.96	-40000	-6.96	25	Pass
0C 120V	ac20	5745	Ant1	5744.96	-40000	-6.96	25	Pass
10C 120V	ac20	5745	Ant1	5744.96	-40000	-6.96	25	Pass
30C 120V	ac20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
40C 120V	ac20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
50C 120V	ac20	5745	Ant1	5744.98	-20000	-3.48	25	Pass
20C 102V	ac20	5785	Ant1	5784.94	-60000	-10.37	25	Pass
20C 120V	ac20	5785	Ant1	5784.96	-40000	-6.91	25	Pass
20C 138V	ac20	5785	Ant1	5784.92	-80000	-13.83	25	Pass
-20C 120V	ac20	5785	Ant1	5784.94	-60000	-10.37	25	Pass
-10C 120V	ac20	5785	Ant1	5784.94	-60000	-10.37	25	Pass
0C 120V	ac20	5785	Ant1	5784.94	-60000	-10.37	25	Pass
10C 120V	ac20	5785	Ant1	5784.98	-20000	-3.46	25	Pass
30C 120V	ac20	5785	Ant1	5784.96	-40000	-6.91	25	Pass
40C 120V	ac20	5785	Ant1	5784.94	-60000	-10.37	25	Pass
50C 120V	ac20	5785	Ant1	5784.94	-60000	-10.37	25	Pass
20C 102V	ac20	5825	Ant1	5824.94	-60000	-10.3	25	Pass
20C 120V	ac20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
20C 138V	ac20	5825	Ant1	5824.96	-40000	-6.87	25	Pass
-20C 120V	ac20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
-10C 120V	ac20	5825	Ant1	5824.94	-60000	-10.3	25	Pass
0C 120V	ac20	5825	Ant1	5824.94	-60000	-10.3	25	Pass
10C 120V	ac20	5825	Ant1	5824.96	-40000	-6.87	25	Pass
30C 120V	ac20	5825	Ant1	5824.98	-20000	-3.43	25	Pass
40C 120V	ac20	5825	Ant1	5824.92	-80000	-13.73	25	Pass
50C 120V	ac20	5825	Ant1	5824.96	-40000	-6.87	25	Pass
20C 102V	ac40	5755	Ant1	5755	0	0	25	Pass
20C 120V	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
20C 138V	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
-20C 120V	ac40	5755	Ant1	5755	0	0	25	Pass
-10C 120V	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
0C 120V	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
10C 120V	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
30C 120V	ac40	5755	Ant1	5754.96	-40000	-6.95	25	Pass
40C 120V	ac40	5755	Ant1	5755	0	0	25	Pass
50C 120V	ac40	5755	Ant1	5754.92	-80000	-13.9	25	Pass
20C 102V	ac40	5795	Ant1	5794.92	-80000	-13.81	25	Pass

20C 120V	ac40	5795	Ant1	5794.92	-80000	-13.81	25	Pass
20C 138V	ac40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
-20C 120V	ac40	5795	Ant1	5795	0	0	25	Pass
-10C 120V	ac40	5795	Ant1	5794.92	-80000	-13.81	25	Pass
0C 120V	ac40	5795	Ant1	5794.92	-80000	-13.81	25	Pass
10C 120V	ac40	5795	Ant1	5795	0	0	25	Pass
30C 120V	ac40	5795	Ant1	5794.88	-120000	-20.71	25	Pass
40C 120V	ac40	5795	Ant1	5794.92	-80000	-13.81	25	Pass
50C 120V	ac40	5795	Ant1	5794.96	-40000	-6.9	25	Pass
20C 102V	ac80	5775	Ant1	5773.64	-1360000	-235.5	25	Pass
20C 120V	ac80	5775	Ant1	5774.92	-80000	-13.85	25	Pass
20C 138V	ac80	5775	Ant1	5774.92	-80000	-13.85	25	Pass
-20C 120V	ac80	5775	Ant1	5774.68	-320000	-55.41	25	Pass
-10C 120V	ac80	5775	Ant1	5774.92	-80000	-13.85	25	Pass
0C 120V	ac80	5775	Ant1	5774.92	-80000	-13.85	25	Pass
10C 120V	ac80	5775	Ant1	5775.08	80000	13.85	25	Pass
30C 120V	ac80	5775	Ant1	5774.92	-80000	-13.85	25	Pass
40C 120V	ac80	5775	Ant1	5774.6	-400000	-69.26	25	Pass
50C 120V	ac80	5775	Ant1	5774.92	-80000	-13.85	25	Pass

7 Conducted RF Spurious Emission

7.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
a	5745	Ant1	-34.49	-27	Pass
a	5785	Ant1	-34.59	-27	Pass
a	5825	Ant1	-34.26	-27	Pass
n20	5745	Ant1	-34.98	-27	Pass
n20	5785	Ant1	-33.54	-27	Pass
n20	5825	Ant1	-34.67	-27	Pass
n40	5755	Ant1	-33.41	-27	Pass
n40	5795	Ant1	-34.42	-27	Pass
ac20	5745	Ant1	-34.91	-27	Pass
ac20	5785	Ant1	-33.56	-27	Pass
ac20	5825	Ant1	-34.36	-27	Pass
ac40	5755	Ant1	-34.68	-27	Pass
ac40	5795	Ant1	-34.1	-27	Pass
ac80	5775	Ant1	-34.57	-27	Pass
a	5745	Ant2	-33.16	-27	Pass
a	5785	Ant2	-34.41	-27	Pass
a	5825	Ant2	-34.63	-27	Pass
n20	5745	Ant2	-33.51	-27	Pass
n20	5785	Ant2	-34.19	-27	Pass
n20	5825	Ant2	-34.35	-27	Pass
n40	5755	Ant2	-34.4	-27	Pass
n40	5795	Ant2	-33.81	-27	Pass
ac20	5745	Ant2	-34.06	-27	Pass
ac20	5785	Ant2	-34.77	-27	Pass
ac20	5825	Ant2	-34.14	-27	Pass
ac40	5755	Ant2	-34.54	-27	Pass
ac40	5795	Ant2	-34.37	-27	Pass
ac80	5775	Ant2	-33.76	-27	Pass