Appendix D

RF Test Data for B1WIFI(Conducted Measurement)

Product Name:Tablet PC

Trade Mark:Blackview

Test Model:Tab 50 WiFi

Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen

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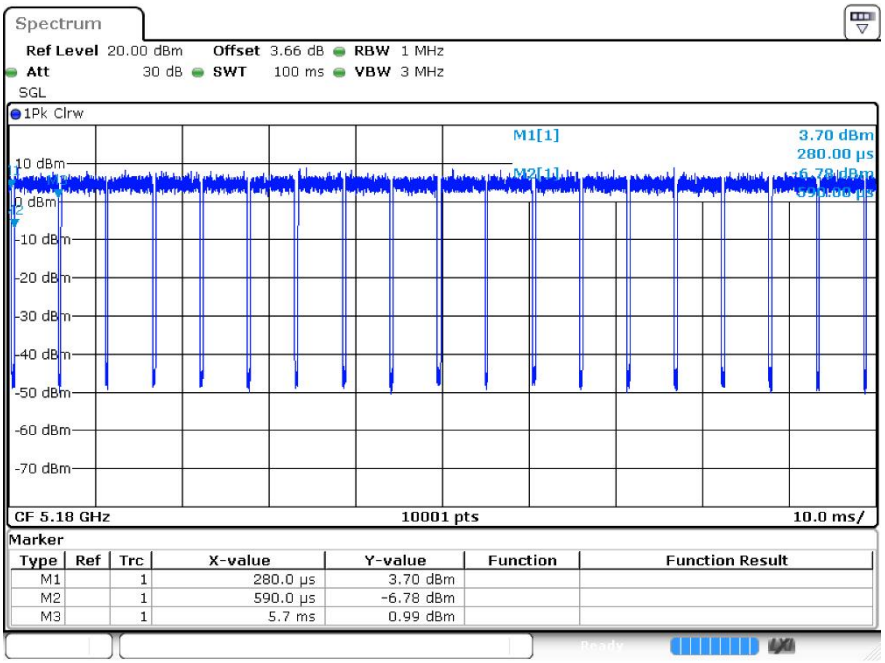
1 Duty Cycle

1.1 Test Result

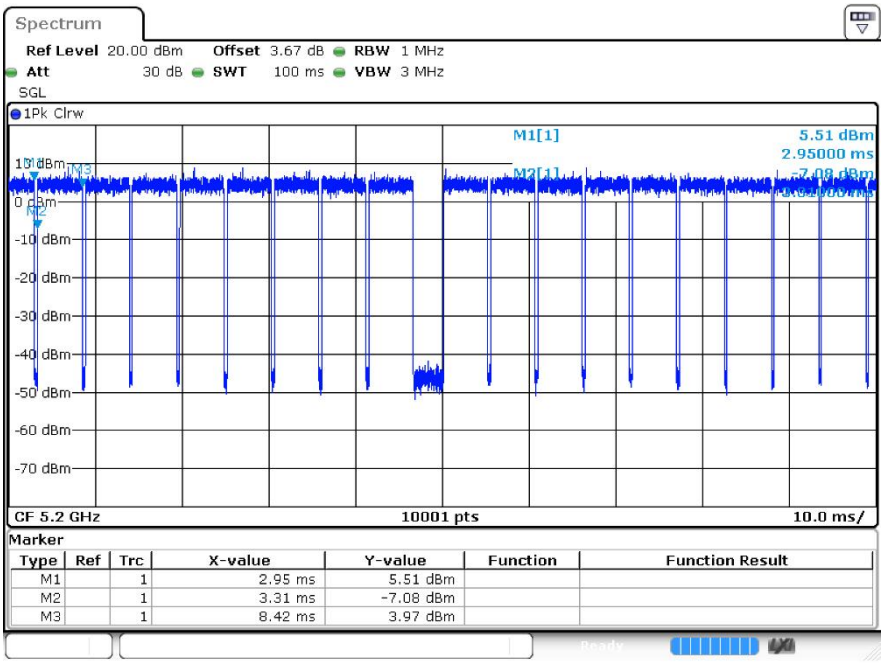
Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
a	5180	Ant1	93.55	0.29	0.2
a	5200	Ant1	90.81	0.42	0.2
a	5240	Ant1	93.48	0.29	0.2
n20	5180	Ant1	89.31	0.49	0.21
n20	5200	Ant1	93.35	0.3	0.21
n20	5240	Ant1	92.69	0.33	0.21
n40	5190	Ant1	89.97	0.46	0.22
n40	5230	Ant1	82.58	0.83	0.22
ac20	5180	Ant1	90.2	0.45	0.21
ac20	5200	Ant1	93.06	0.31	0.21
ac20	5240	Ant1	92.74	0.33	0.21
ac40	5190	Ant1	84.11	0.75	0.22
ac40	5230	Ant1	85.65	0.67	0.22
ac80	5210	Ant1	70.33	1.53	0.19
ax20	5180	Ant1	91.79	0.37	0.28
ax20	5200	Ant1	86.85	0.61	0.28
ax20	5240	Ant1	80.76	0.93	0.21
ax40	5190	Ant1	94.47	0.25	0.19
ax40	5230	Ant1	80.37	0.95	0.24
ax80	5210	Ant1	89.55	0.48	0.22

1.2 Test Graphs

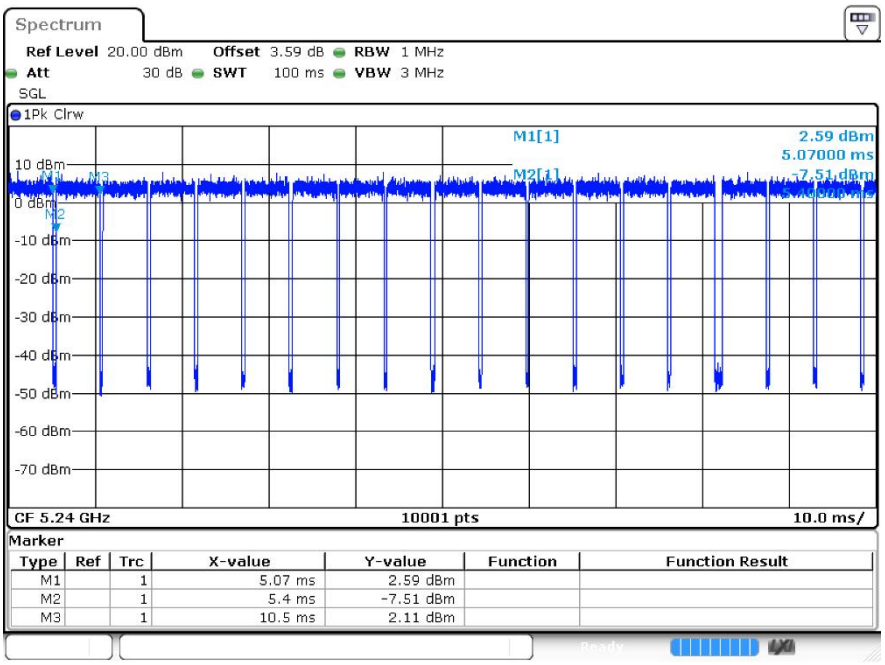
Test Graphs
Duty Cycle a 5180MHz Ant1



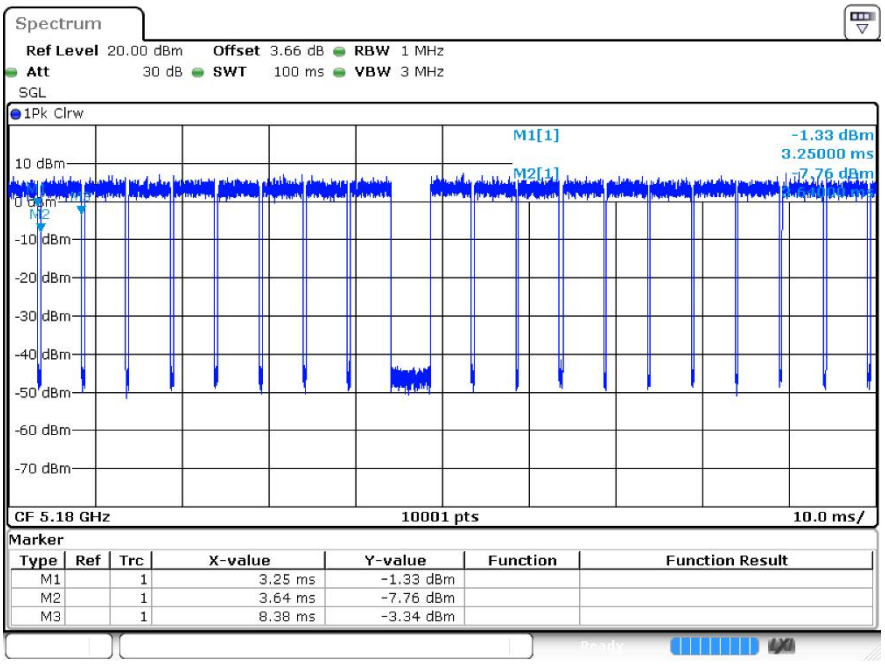
Duty Cycle a 5200MHz Ant1



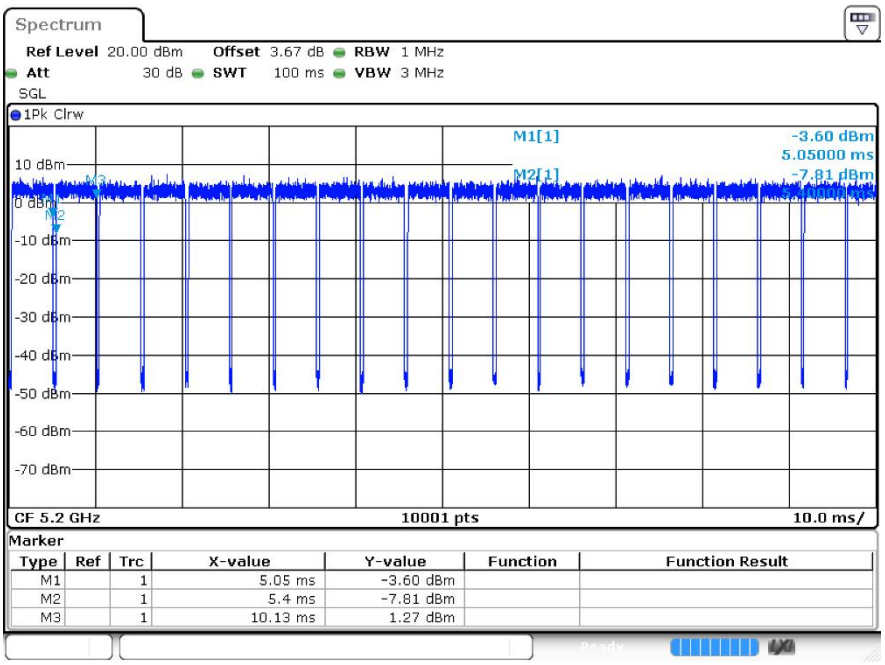
Duty Cycle a 5240MHz Ant1



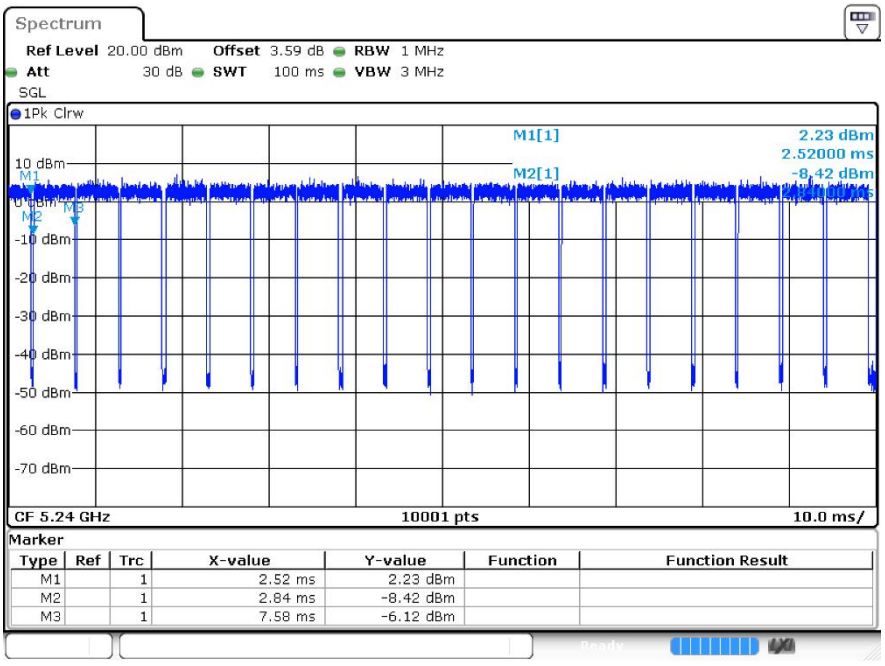
Duty Cycle n20 5180MHz Ant1



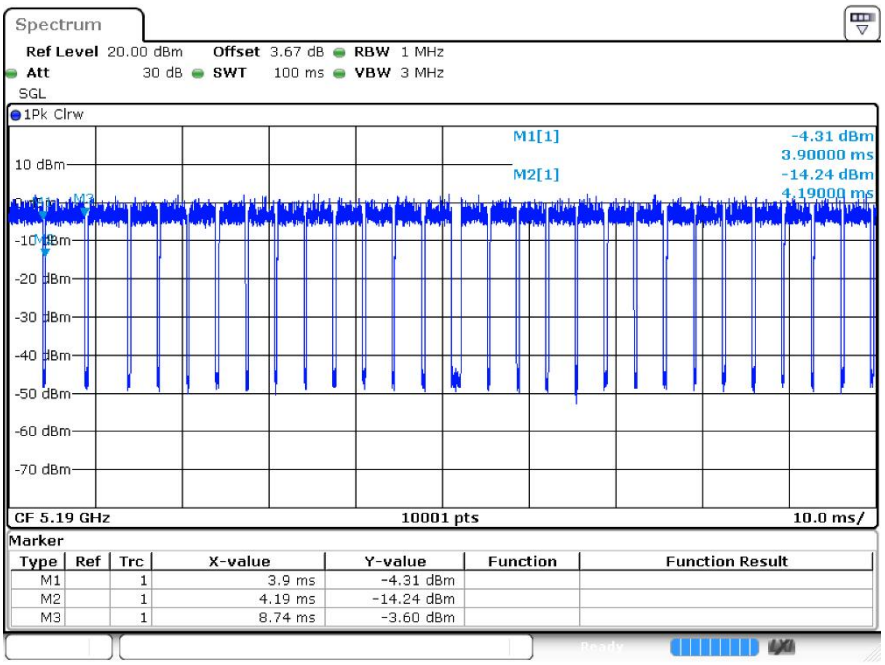
Duty Cycle a n20 5200MHz Ant1



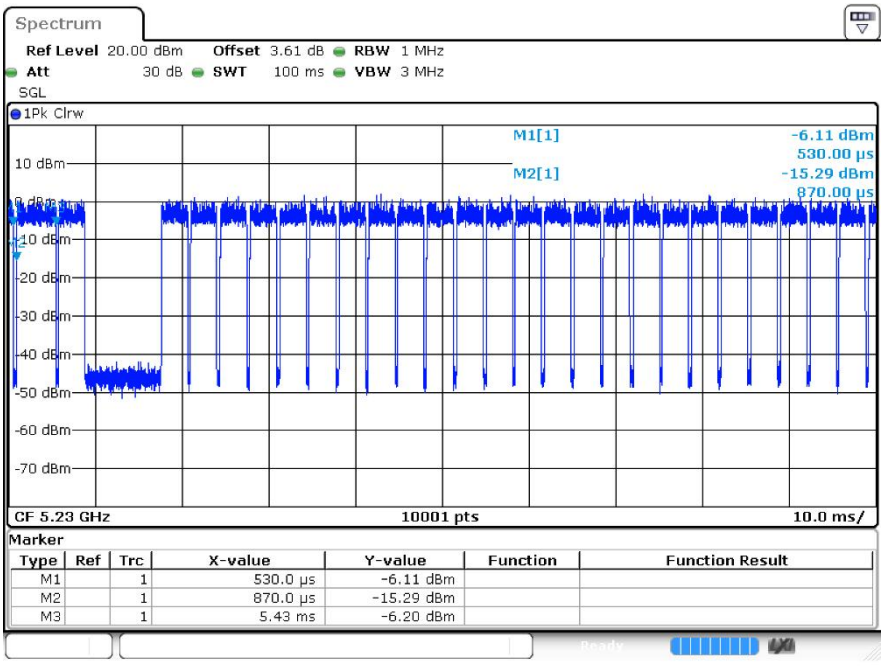
Duty Cycle n20 5240MHz Ant1



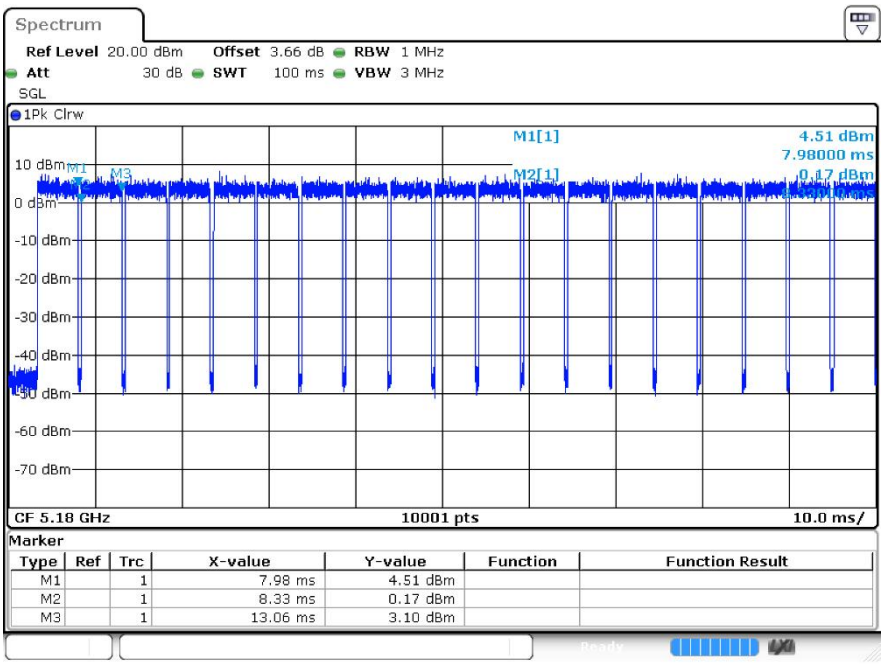
Duty Cycle n40 5190MHz Ant1



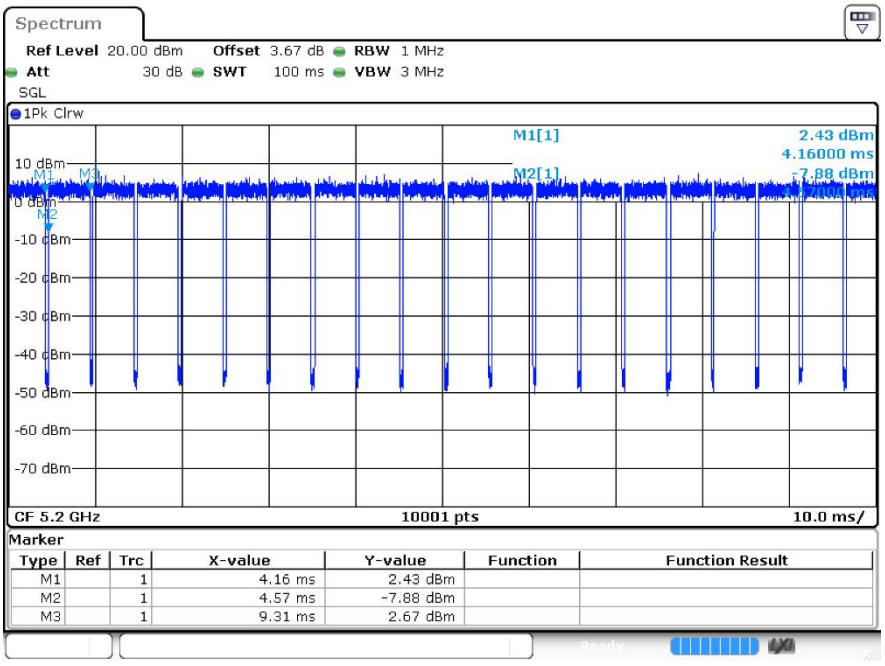
Duty Cyclen40 5230MHz Ant1



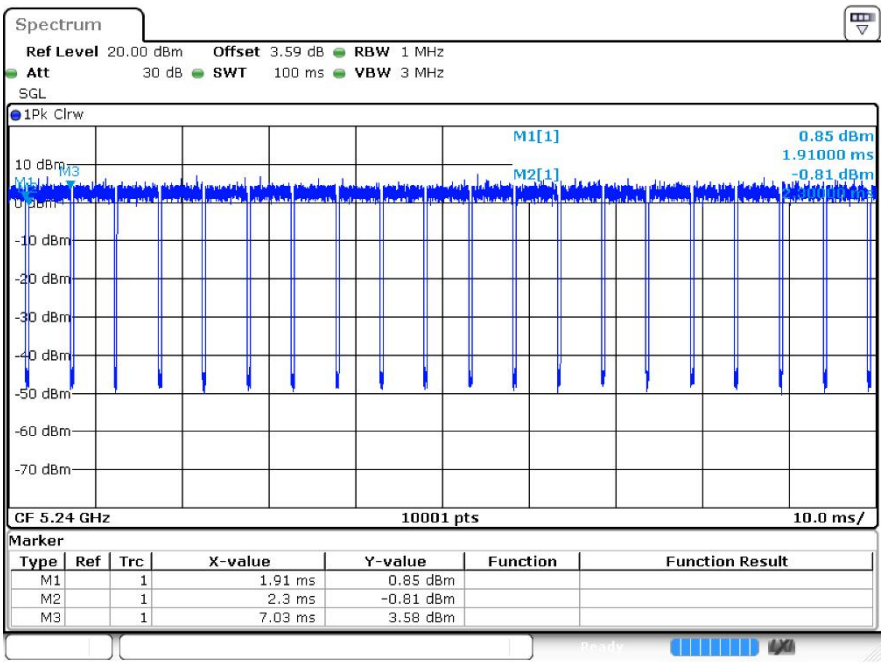
Duty Cycle ac20 5180MHz Ant1



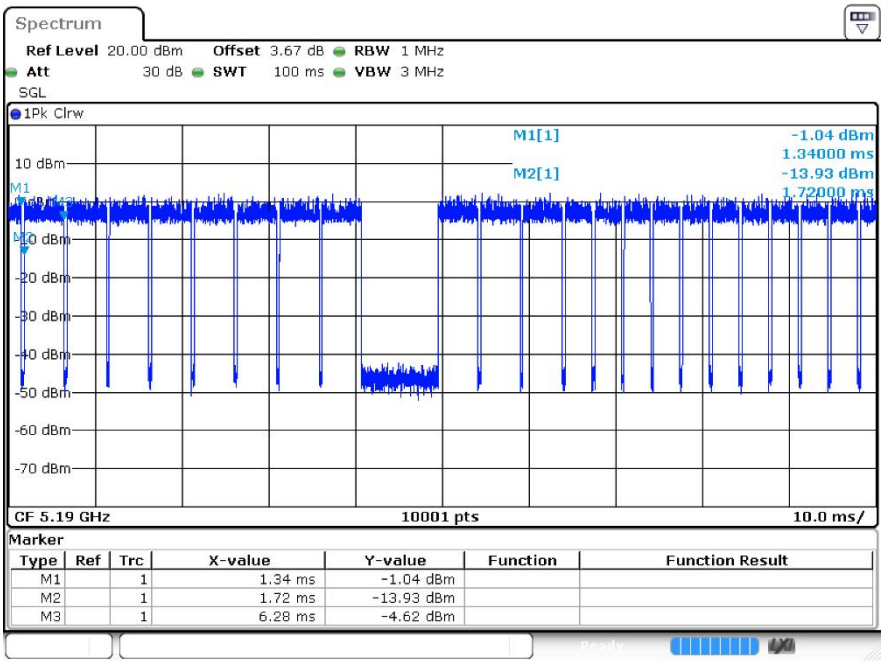
Duty Cycle ac20 5200MHz Ant1



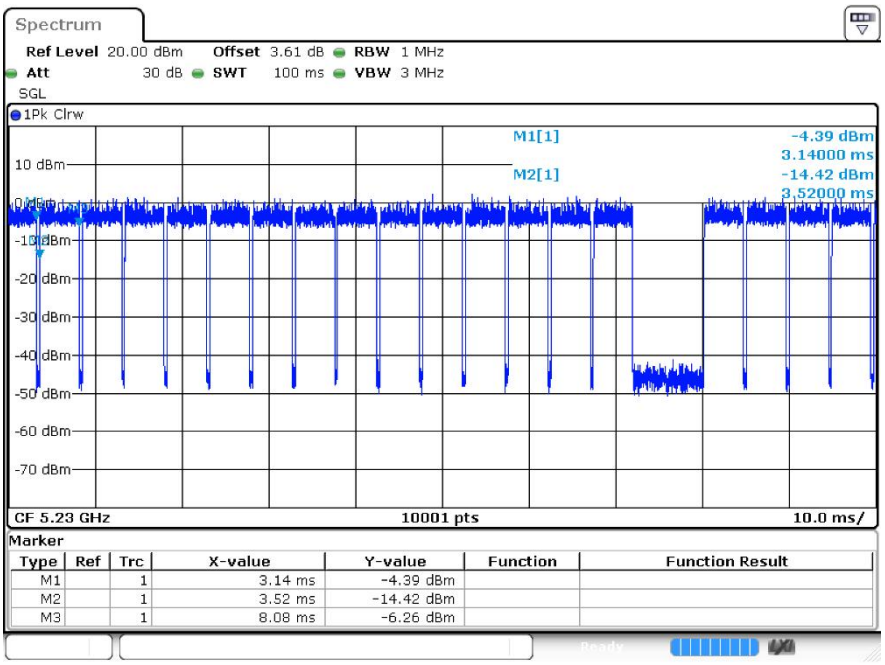
Duty Cycle ac20 5240MHz Ant1



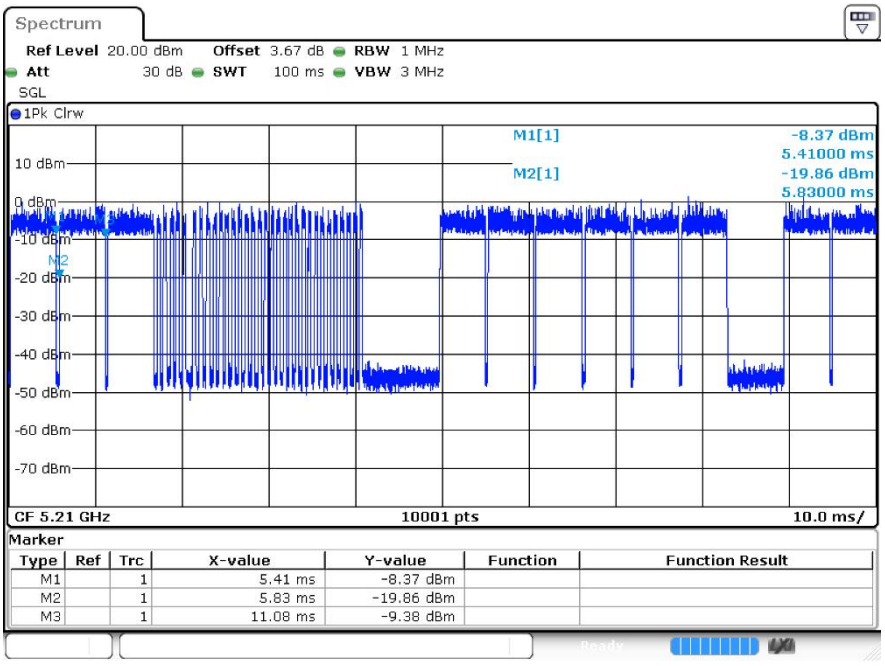
Duty Cycleac40 5190MHz Ant1



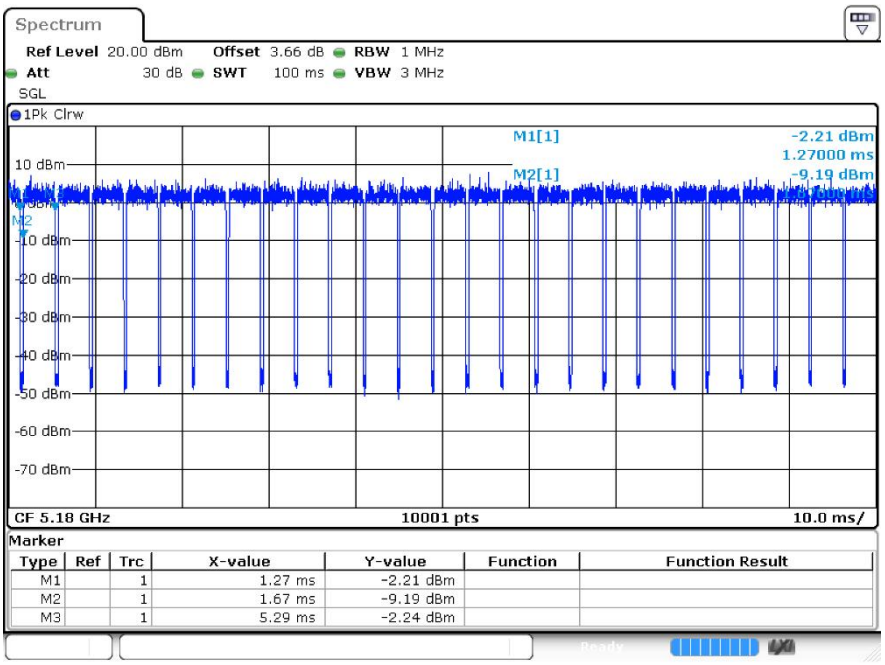
Duty Cycle ac40 5230MHz Ant1



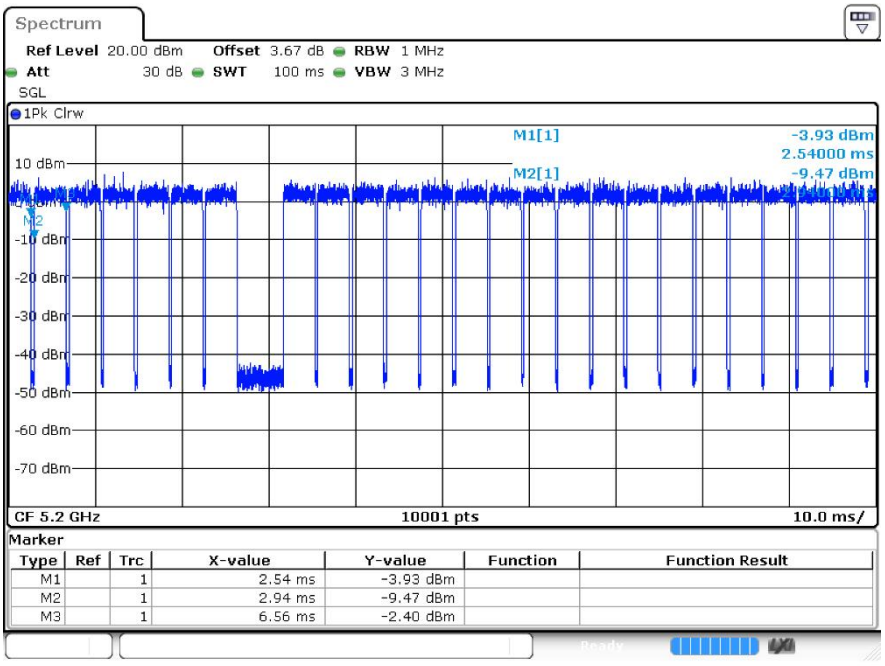
Duty Cycleac80 5210MHz Ant1



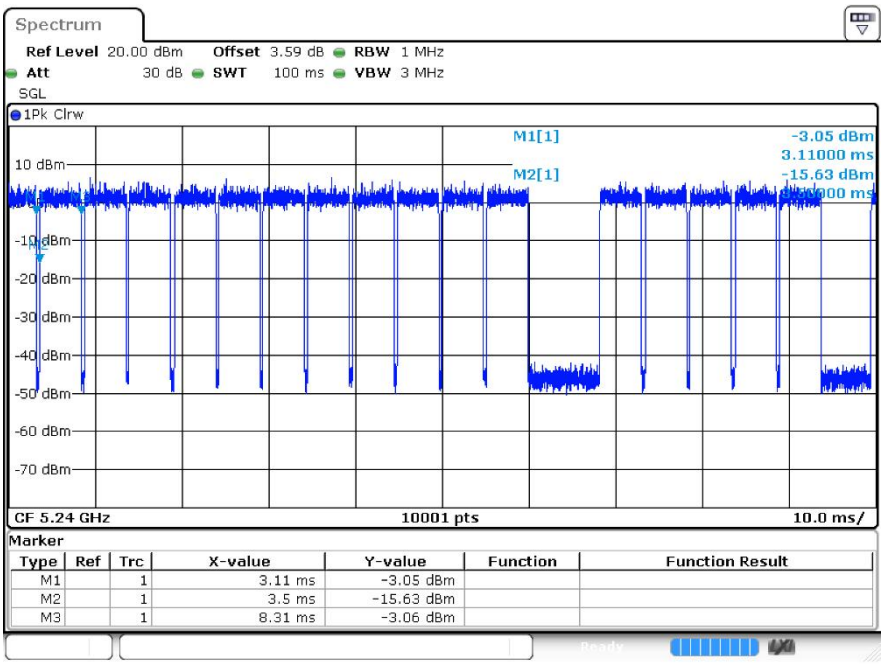
Duty Cycle ax20 5180MHz Ant1



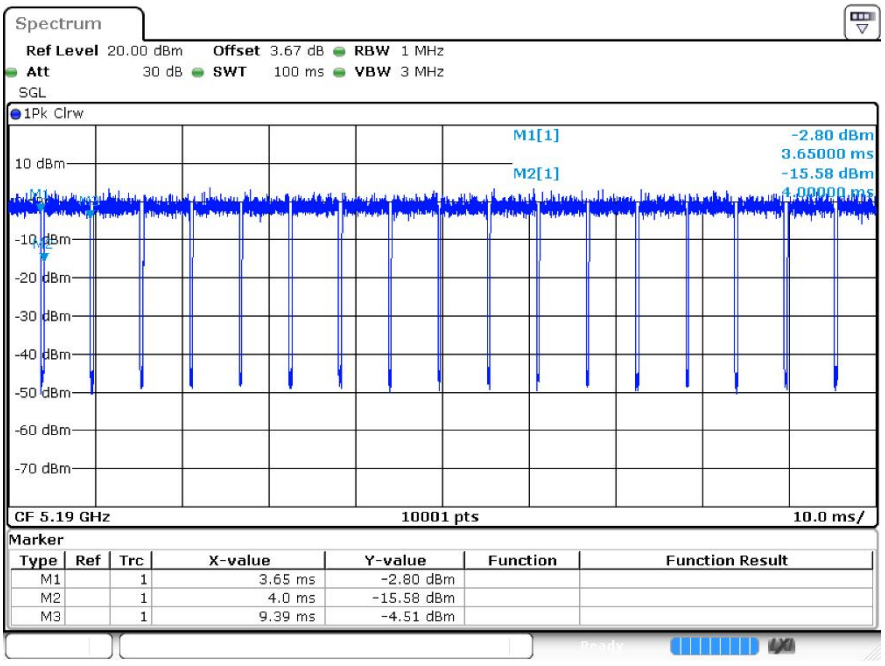
Duty Cycle ax20 5200MHz Ant1



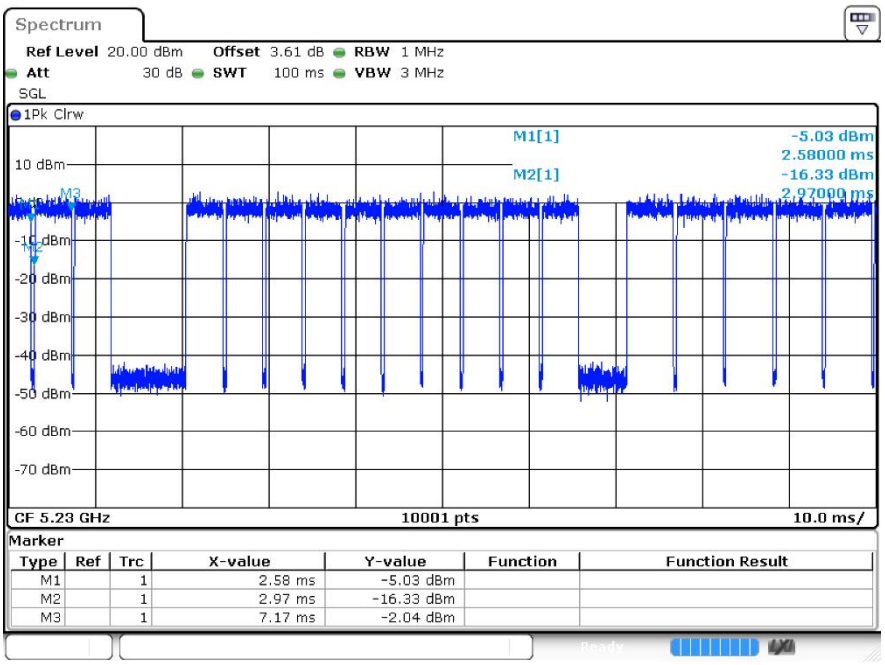
Duty Cycle ax20 5240MHz Ant1



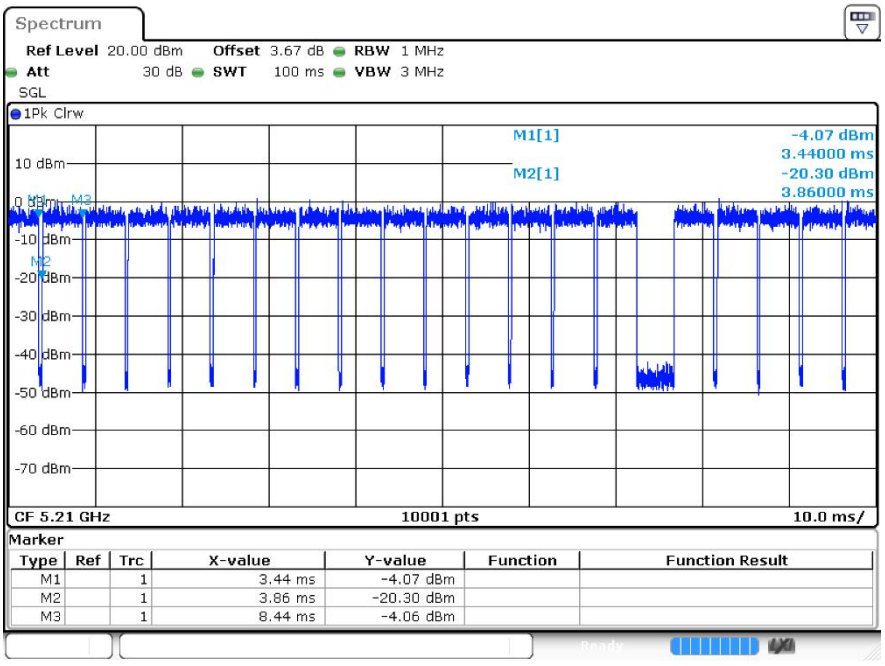
Duty Cycleax40 5190MHz Ant1



Duty Cycle ax40 5230MHz Ant1



Duty Cycleax80 5210MHz Ant1



2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	15.21	24	Pass
a	5200	Ant1	14.97	24	Pass
a	5240	Ant1	14.34	24	Pass
n20	5180	Ant1	14.42	24	Pass
n20	5200	Ant1	13.96	24	Pass
n20	5240	Ant1	13.53	24	Pass
n40	5190	Ant1	14.57	24	Pass
n40	5230	Ant1	14.07	24	Pass
ac20	5180	Ant1	14.42	24	Pass
ac20	5200	Ant1	13.97	24	Pass
ac20	5240	Ant1	13.55	24	Pass
ac40	5190	Ant1	14.68	24	Pass
ac40	5230	Ant1	14.22	24	Pass
ac80	5210	Ant1	14.09	24	Pass
ax20	5180	Ant1	14.1	24	Pass
ax20	5200	Ant1	13.71	24	Pass
ax20	5240	Ant1	13.31	24	Pass
ax40	5190	Ant1	14.15	24	Pass
ax40	5230	Ant1	13.81	24	Pass
ax80	5210	Ant1	14.04	24	Pass

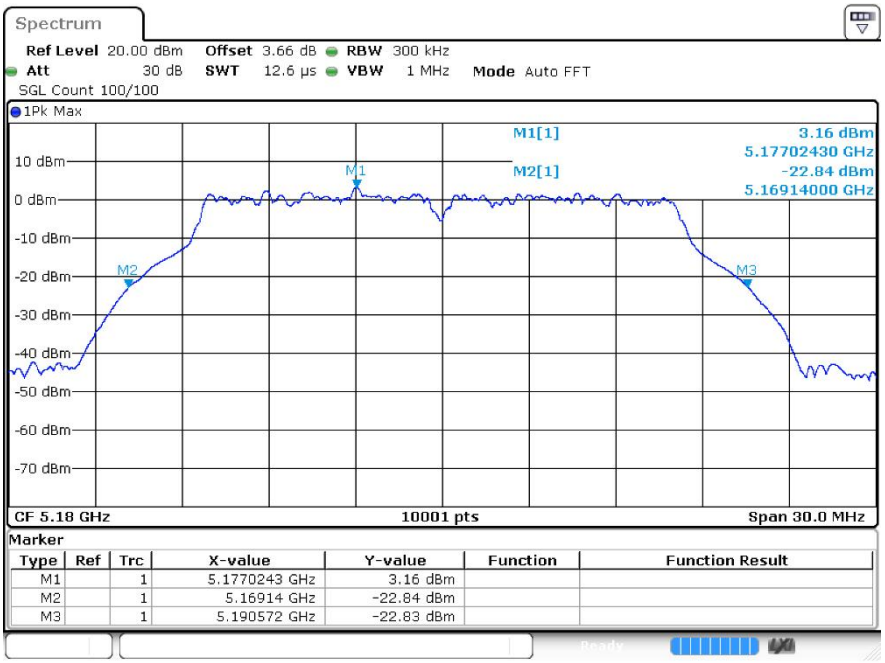
3 -26dB Bandwidth

3.1 Test Result

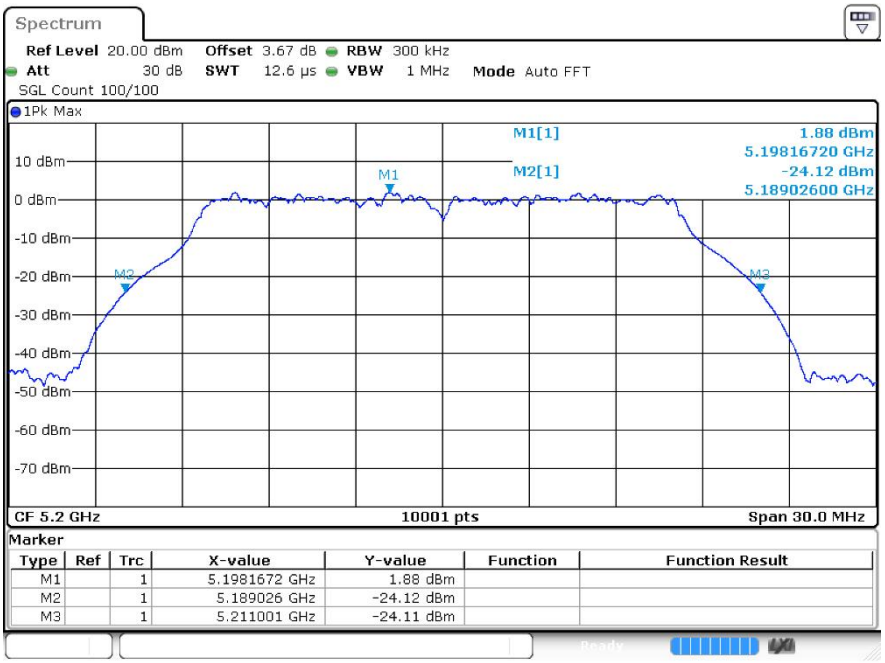
Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
a	5180	Ant1	21.432	0.5	Pass
a	5200	Ant1	21.975	0.5	Pass
a	5240	Ant1	21.909	0.5	Pass
n20	5180	Ant1	22.089	0.5	Pass
n20	5200	Ant1	21.87	0.5	Pass
n20	5240	Ant1	22.083	0.5	Pass
n40	5190	Ant1	40.29	0.5	Pass
n40	5230	Ant1	39.948	0.5	Pass
ac20	5180	Ant1	21.723	0.5	Pass
ac20	5200	Ant1	21.381	0.5	Pass
ac20	5240	Ant1	22.077	0.5	Pass
ac40	5190	Ant1	40.062	0.5	Pass
ac40	5230	Ant1	40.296	0.5	Pass
ac80	5210	Ant1	79.152	0.5	Pass
ax20	5180	Ant1	22.29	0.5	Pass
ax20	5200	Ant1	22.005	0.5	Pass
ax20	5240	Ant1	21.708	0.5	Pass
ax40	5190	Ant1	39.786	0.5	Pass
ax40	5230	Ant1	40.308	0.5	Pass
ax80	5210	Ant1	80.4	0.5	Pass

3.2 Test Graphs

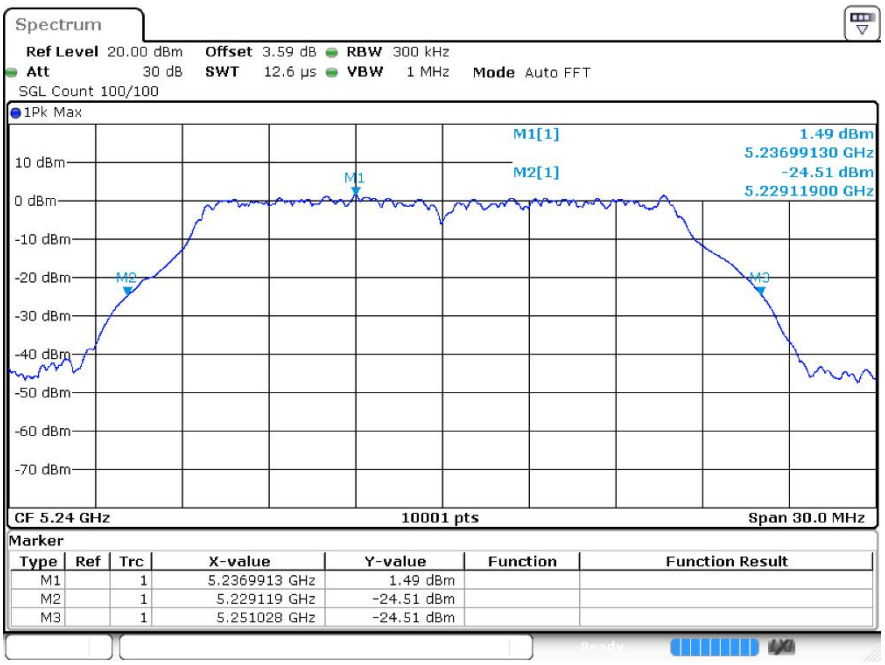
Test Graphs
-26dB Bandwidth a 5180MHz Ant1



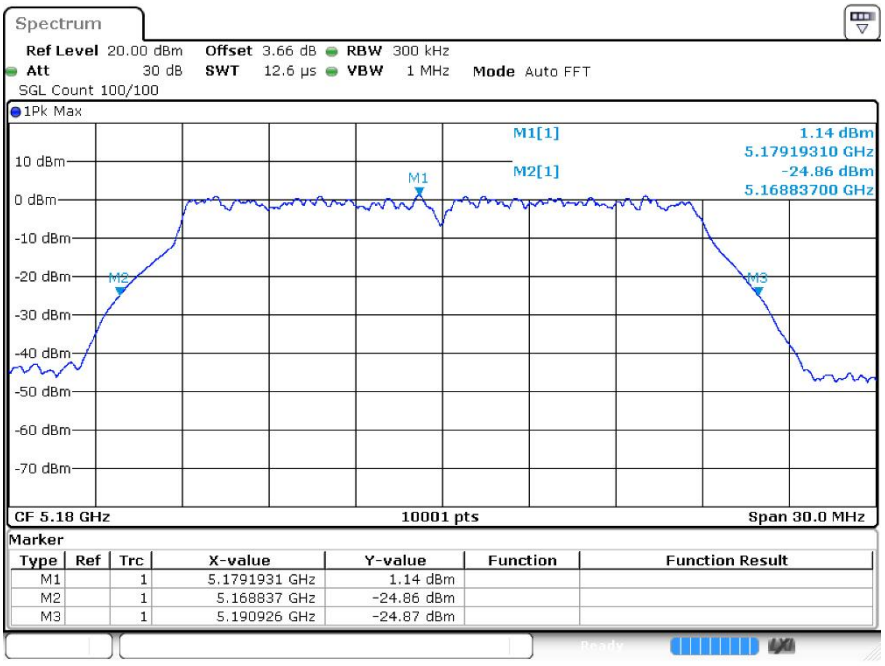
-26dB Bandwidth a 5200MHz Ant1



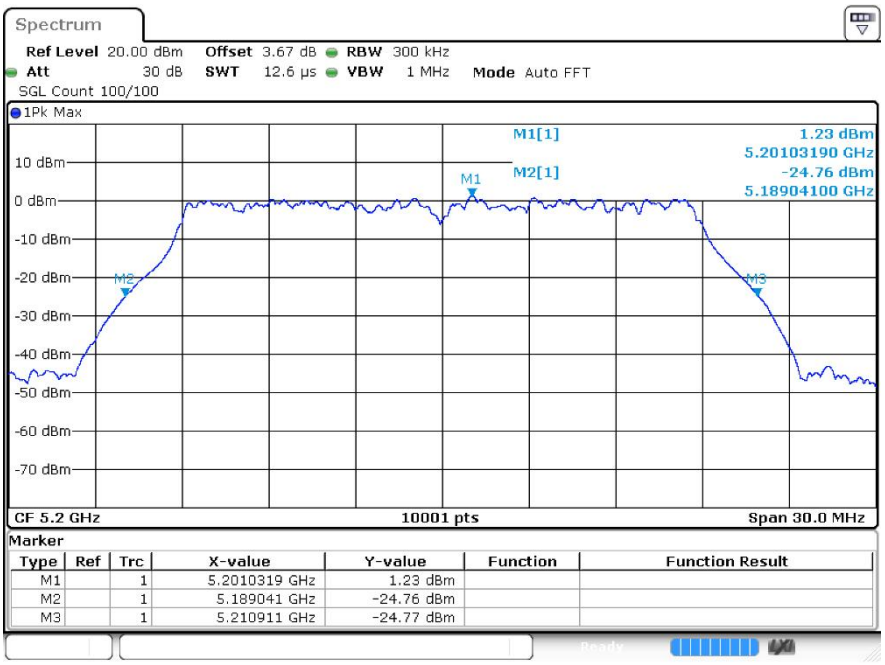
-26dB Bandwidth a 5240MHz Ant1



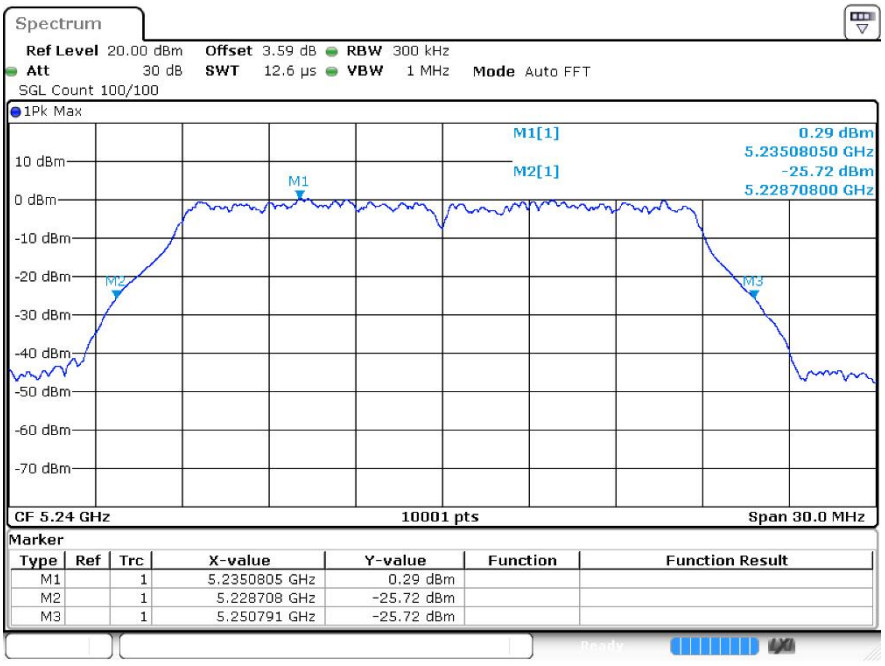
-26dB Bandwidth n20 5180MHz Ant1



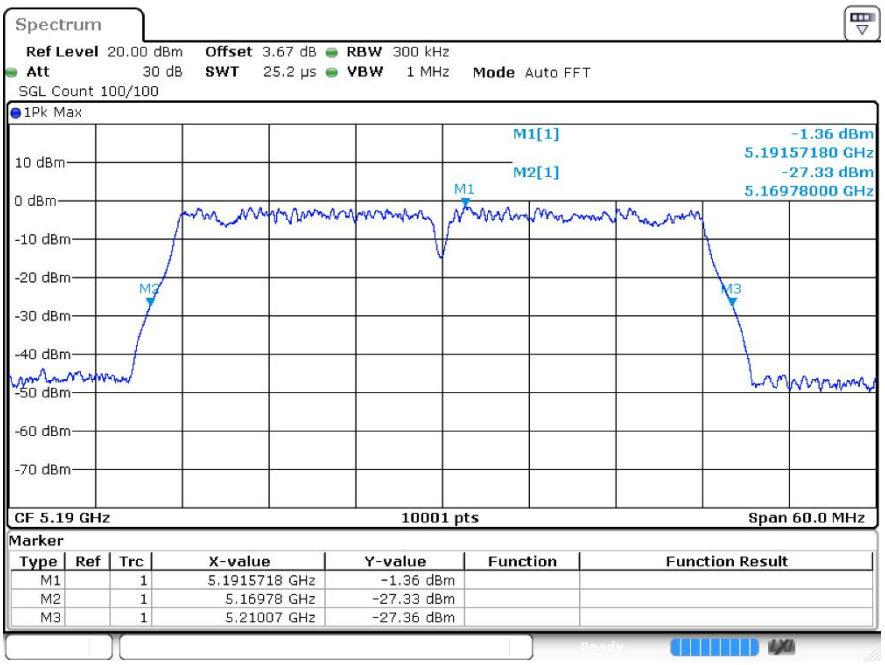
-26dB Bandwidth n20 5200MHz Ant1



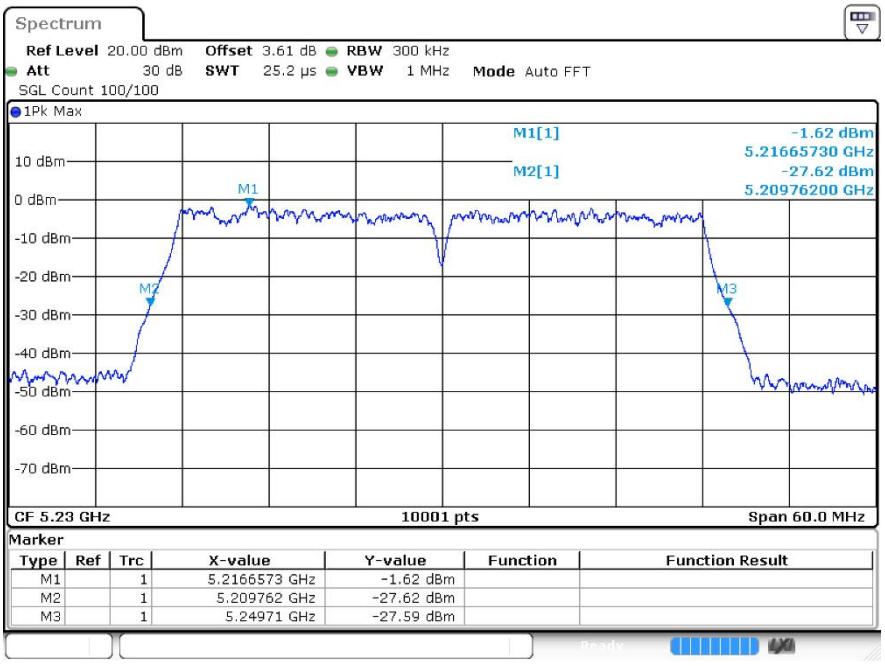
-26dB Bandwidth n20 5240MHz Ant1



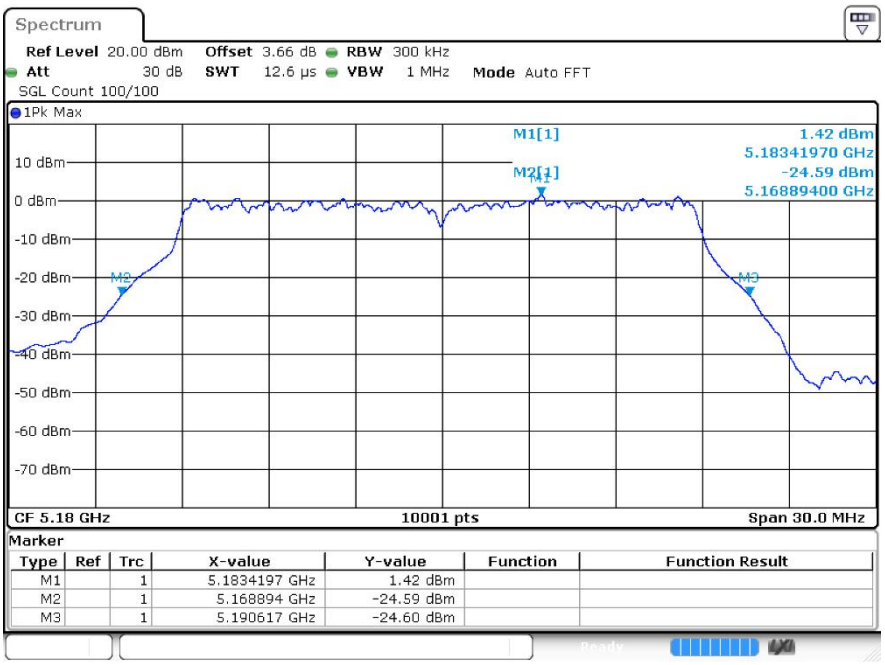
-26dB Bandwidthn40 5190MHz Ant1



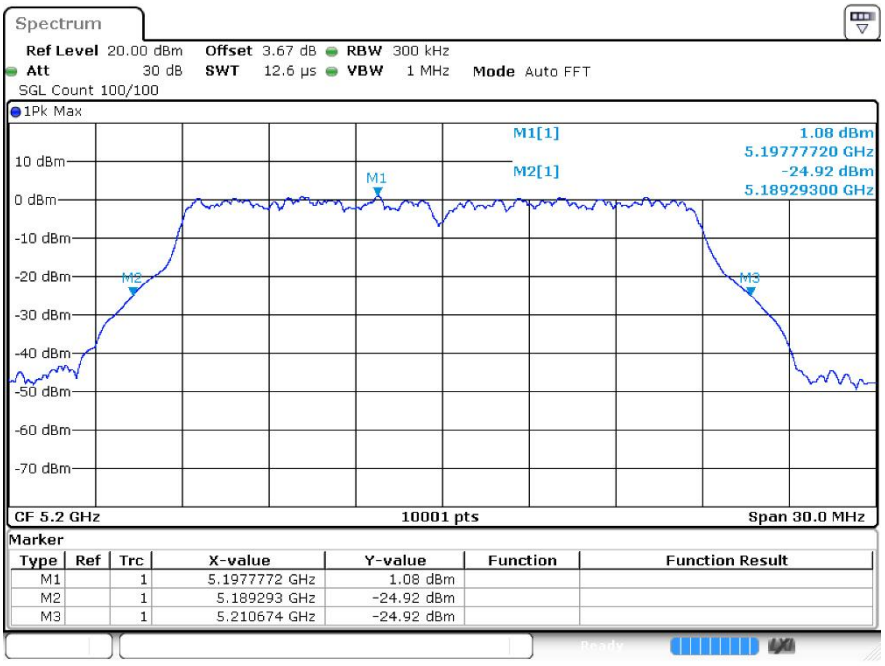
-26dB Bandwidthn40 5230MHz Ant1



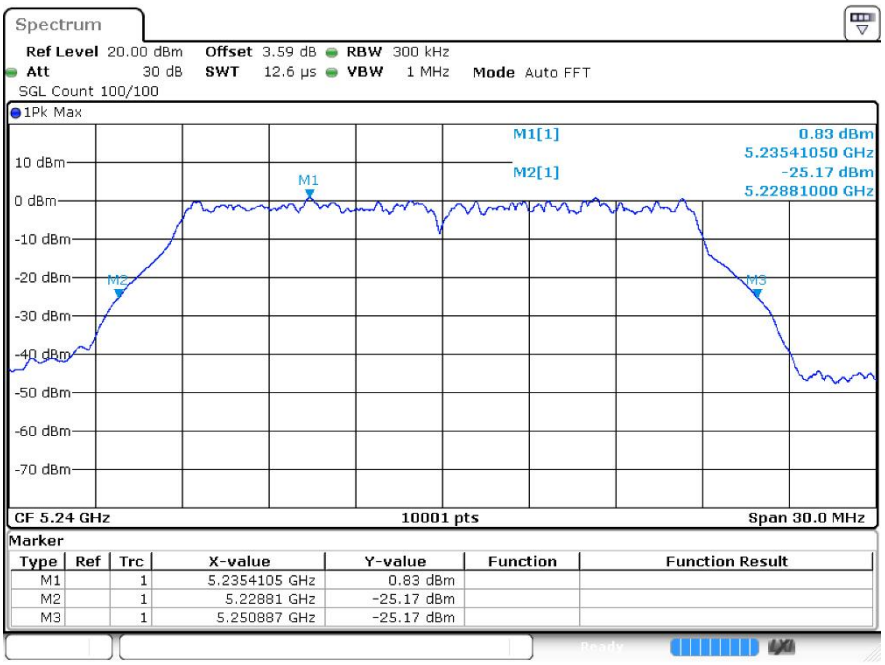
-26dB Bandwidth ac20 5180MHz Ant1



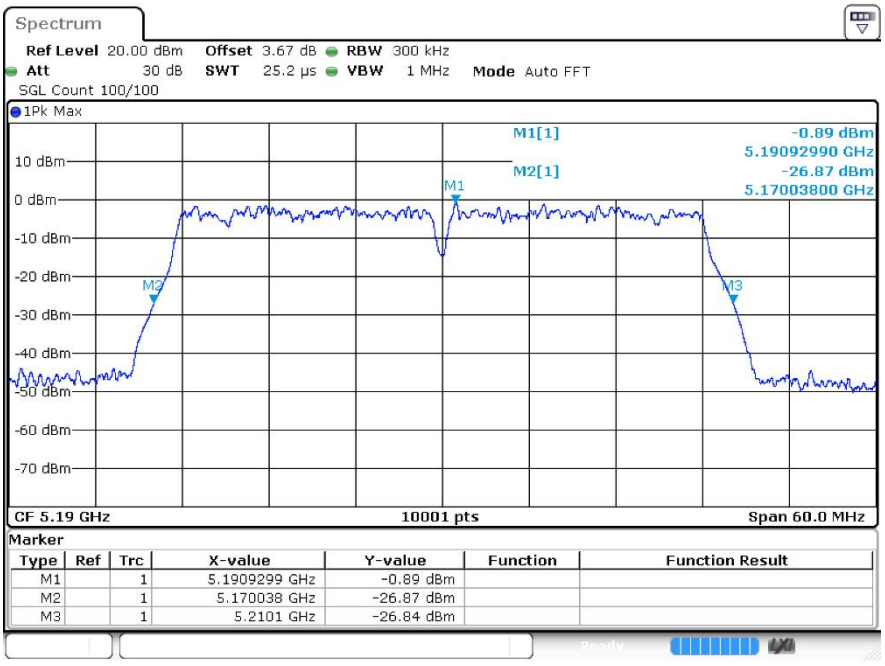
-26dB Bandwidth ac20 5200MHz Ant1



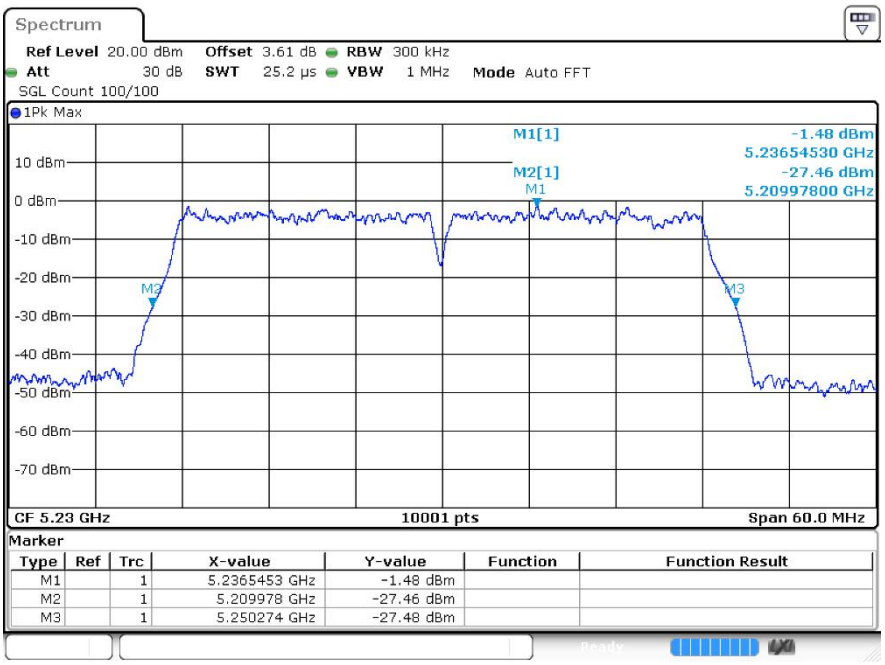
-26dB Bandwidth ac20 5240MHz Ant1



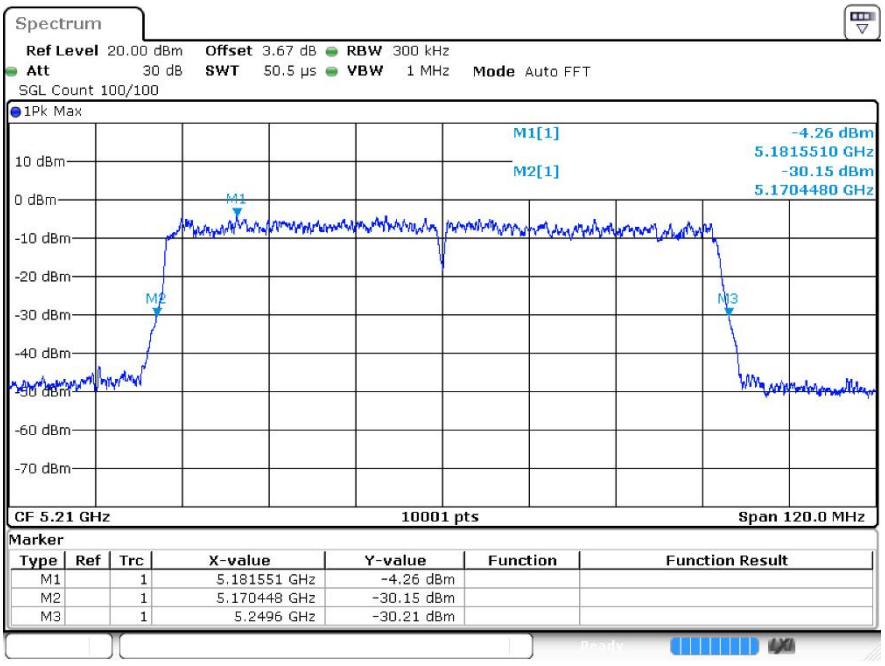
-26dB Bandwidthac40 5190MHz Ant1



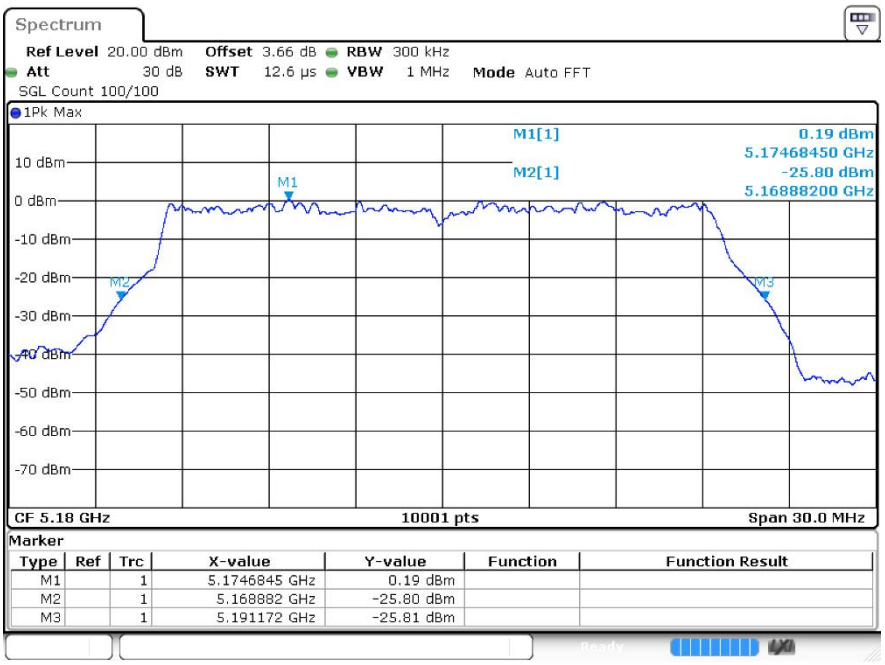
-26dB Bandwidthac40 5230MHz Ant1



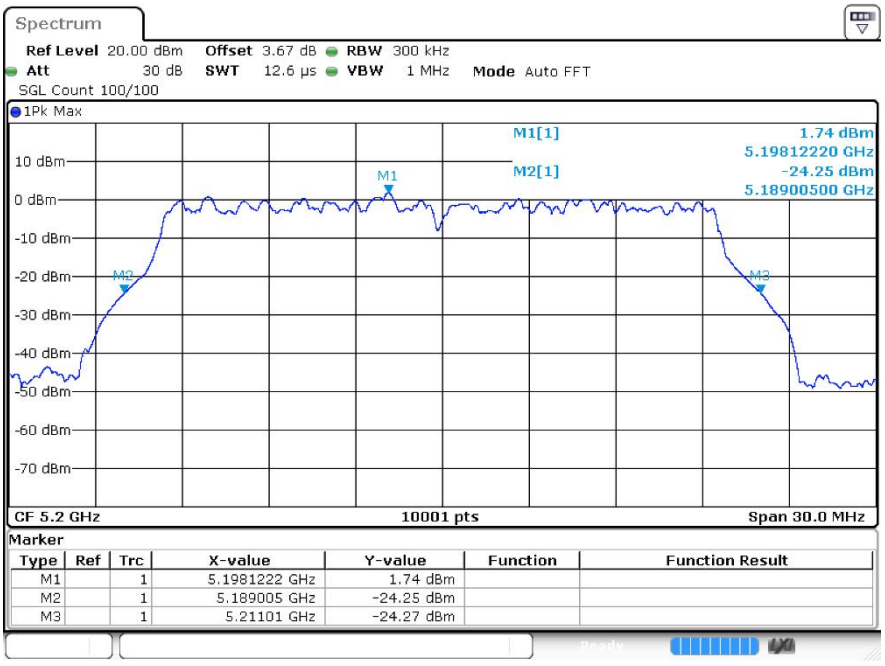
-26dB Bandwidthac80 5210MHz Ant1



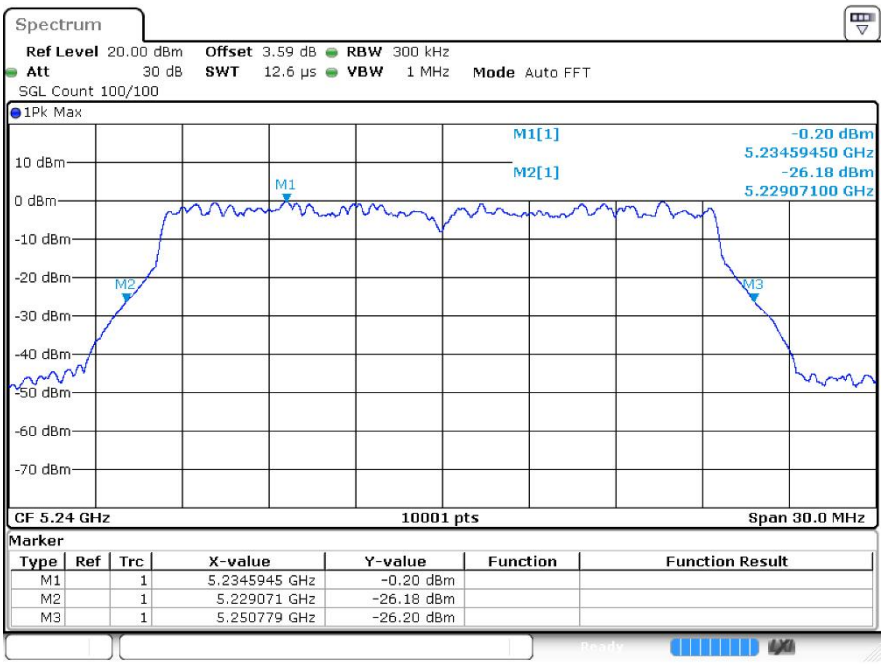
-26dB Bandwidth ax20 5180MHz Ant1



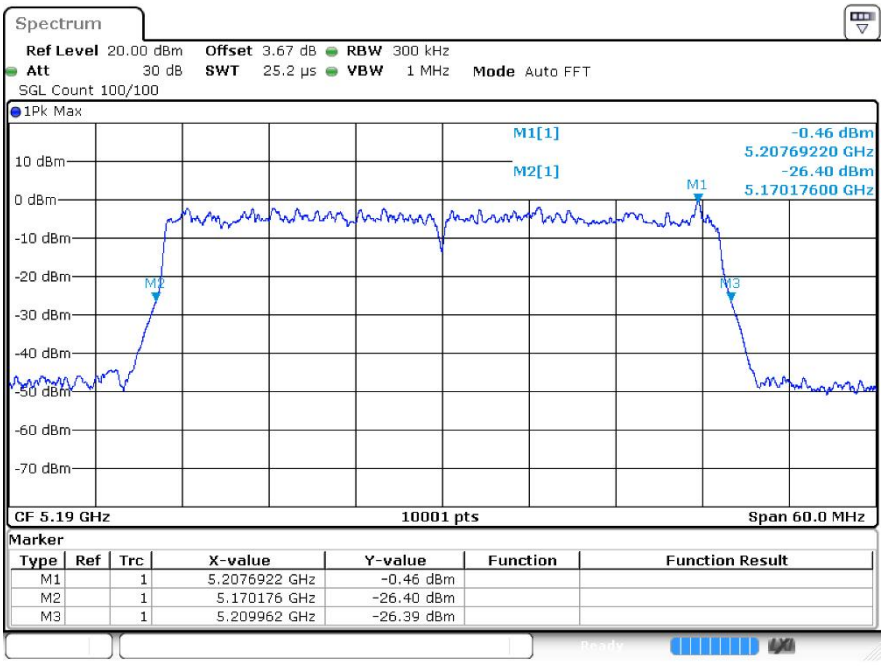
-26dB Bandwidth ax20 5200MHz Ant1



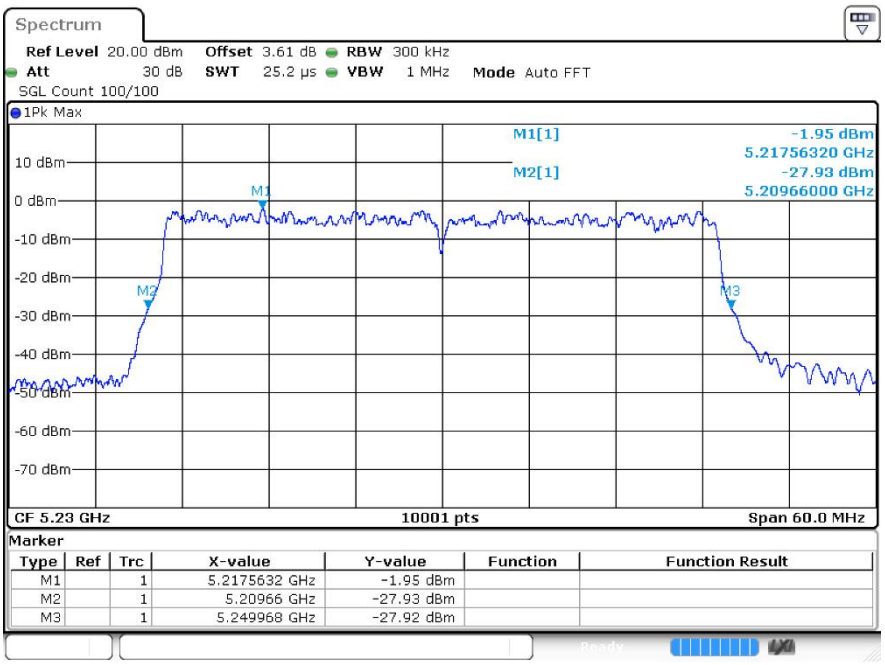
-26dB Bandwidth ax20 5240MHz Ant1



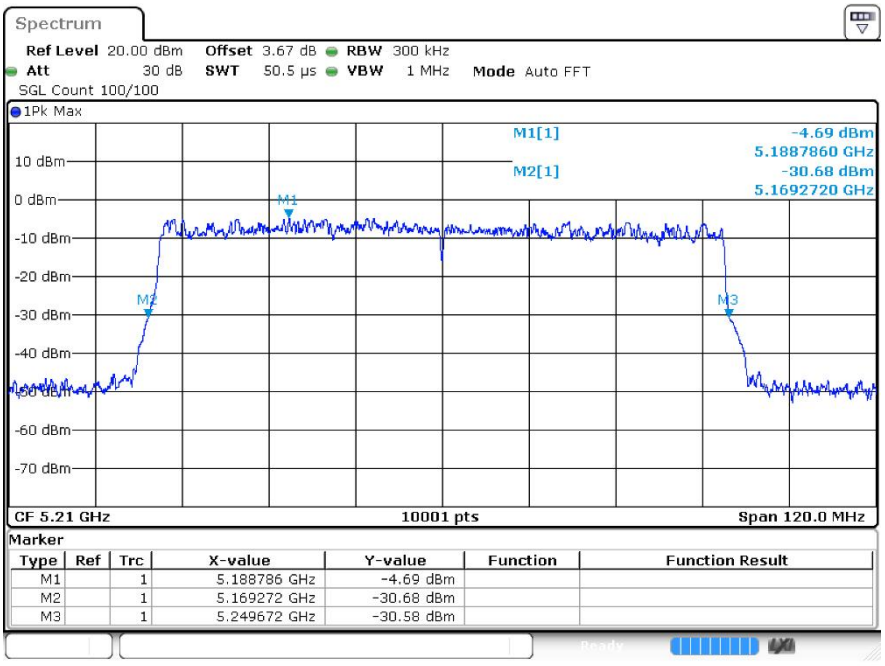
-26dB Bandwidthax40 5190MHz Ant1



-26dB Bandwidthax40 5230MHz Ant1



-26dB Bandwidthax80 5210MHz Ant1

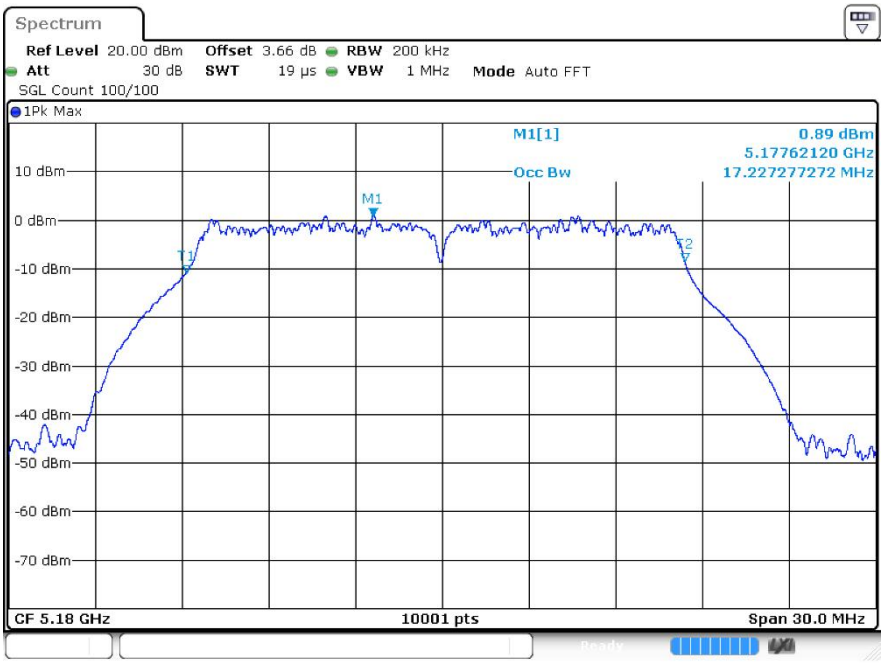
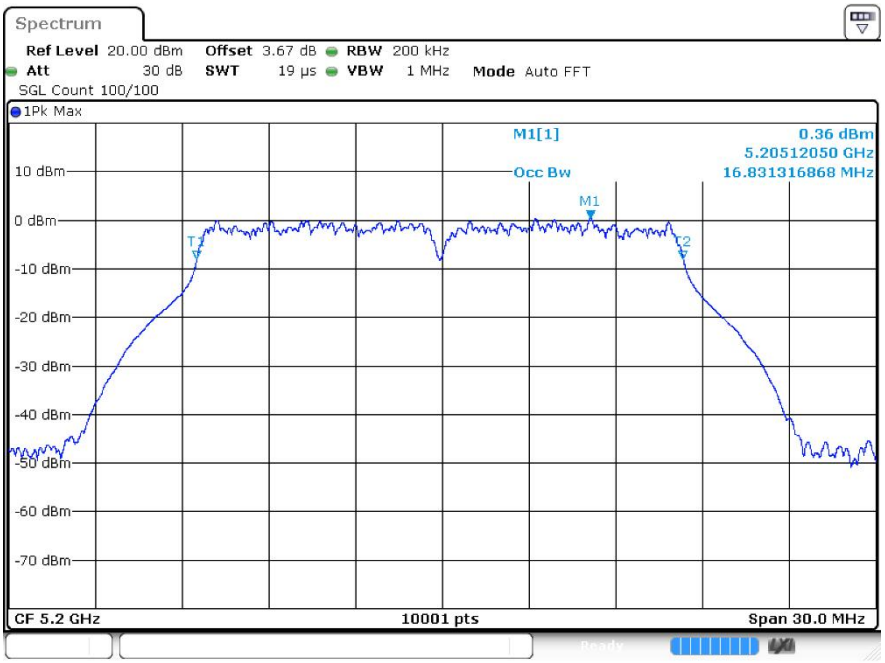


4 Occupied Channel Bandwidth

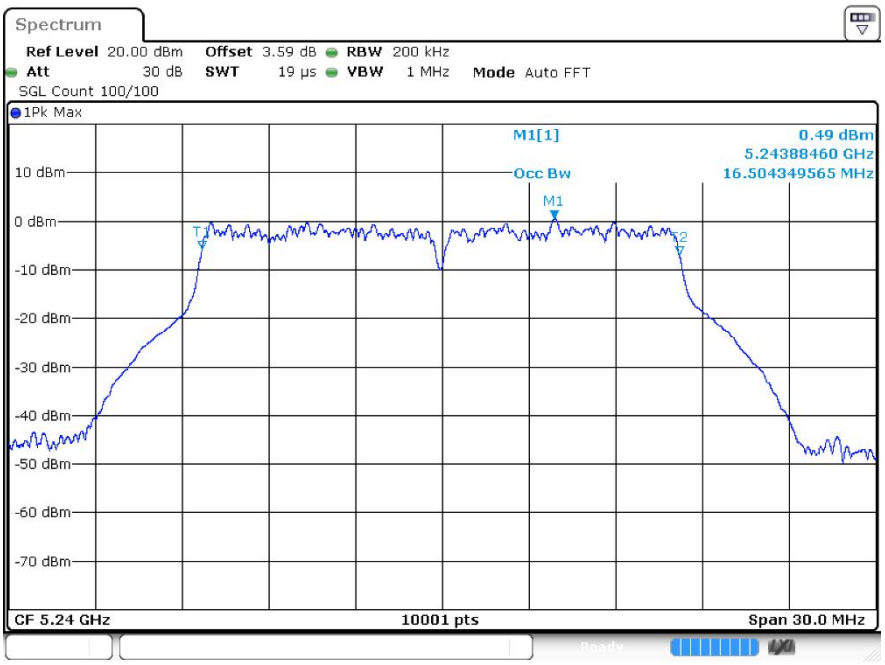
4.1 Test Result

Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
a	5180	Ant1	17.227
a	5200	Ant1	16.831
a	5240	Ant1	16.504
n20	5180	Ant1	17.92
n20	5200	Ant1	17.926
n20	5240	Ant1	18.016
n40	5190	Ant1	36.494
n40	5230	Ant1	36.698
ac20	5180	Ant1	17.848
ac20	5200	Ant1	17.782
ac20	5240	Ant1	17.914
ac40	5190	Ant1	36.35
ac40	5230	Ant1	36.5
ac80	5210	Ant1	75.484
ax20	5200	Ant1	18.952
ax20	5240	Ant1	18.997
ax40	5190	Ant1	37.838
ax40	5230	Ant1	37.916
ax80	5210	Ant1	77.38

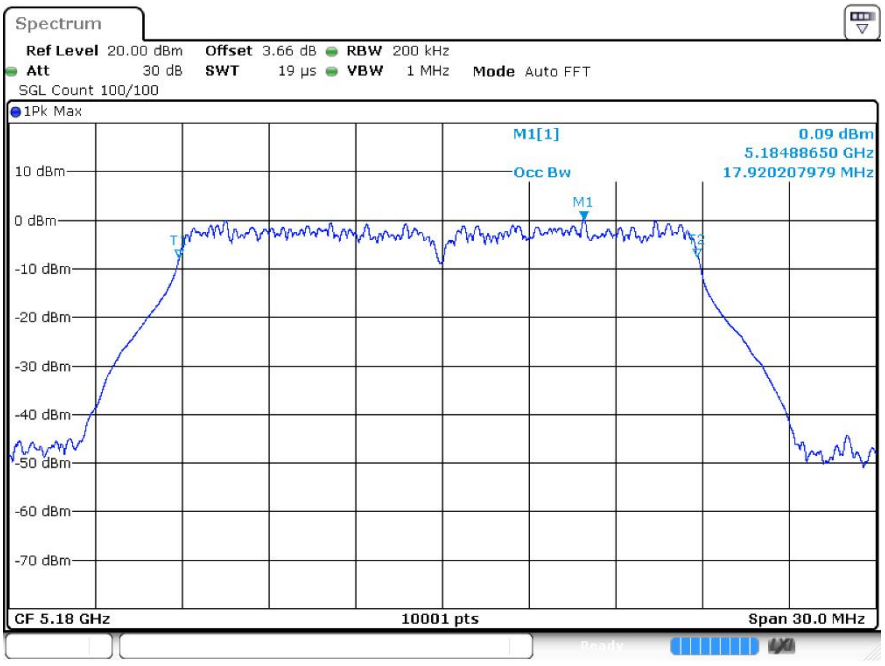
4.2 Test Graphs

Test Graphs
OBW a 5180MHz Ant1

OBW a 5200MHz Ant1


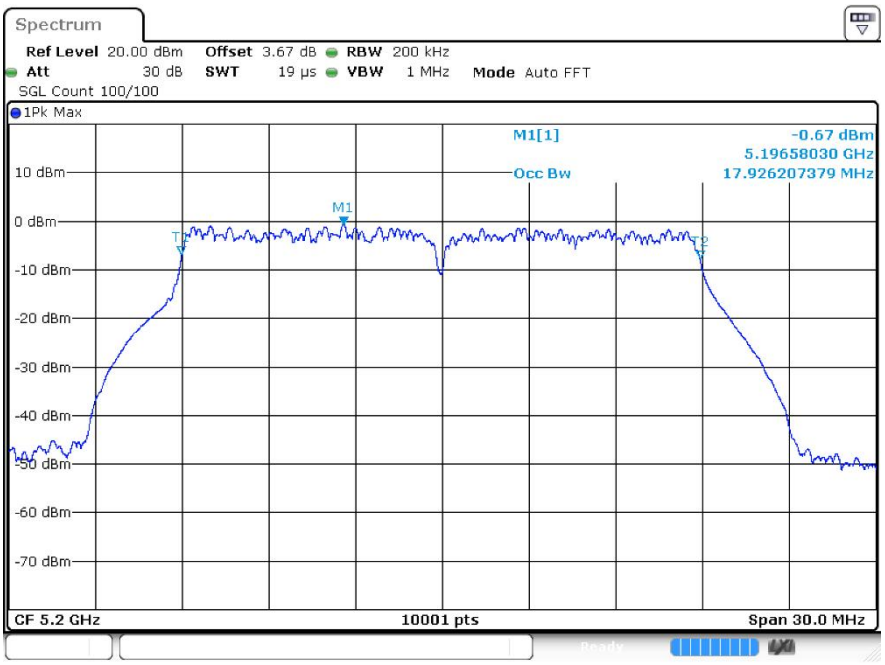
OBW a 5240MHz Ant1



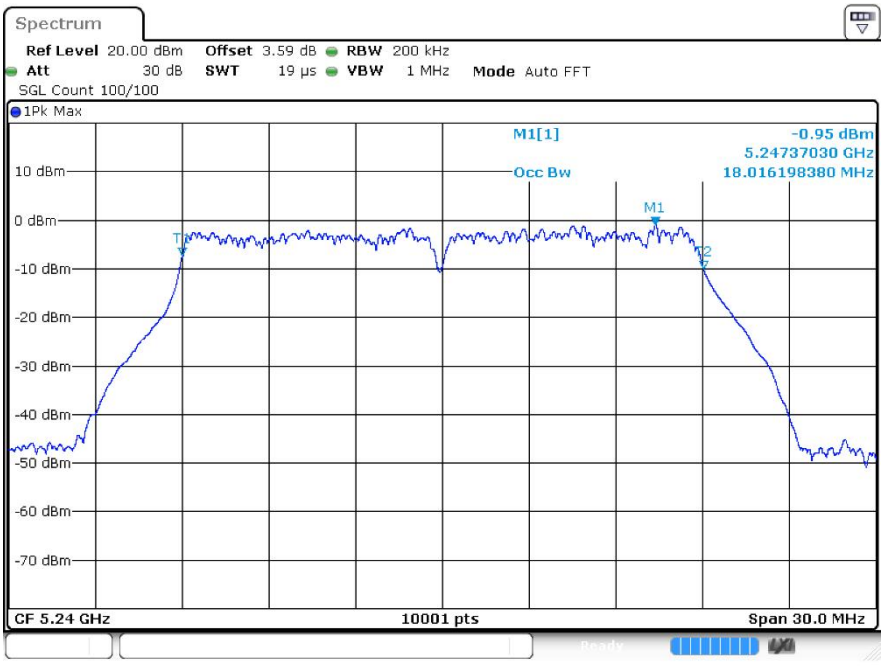
OBW n20 5180MHz Ant1



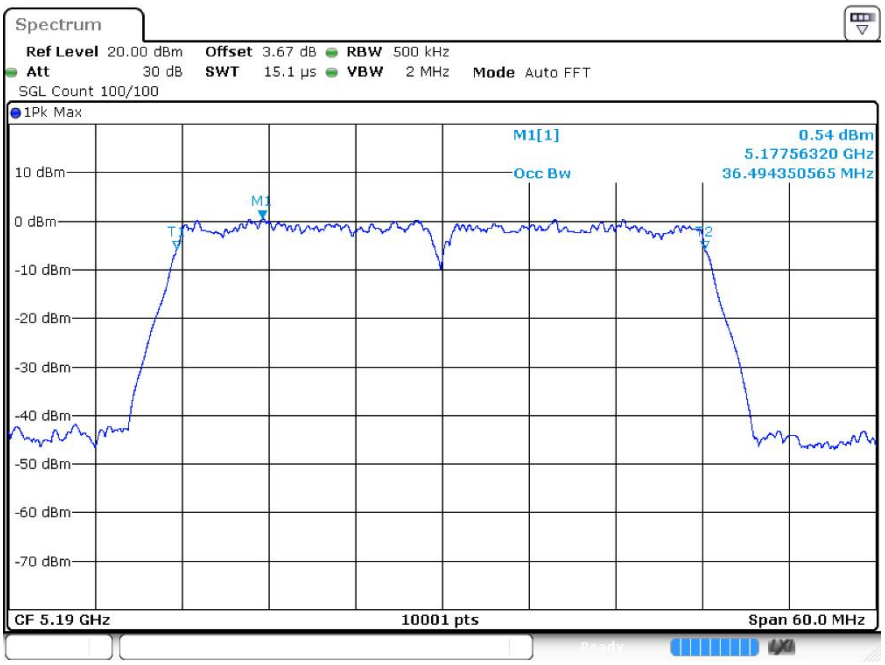
OBW n20 5200MHz Ant1



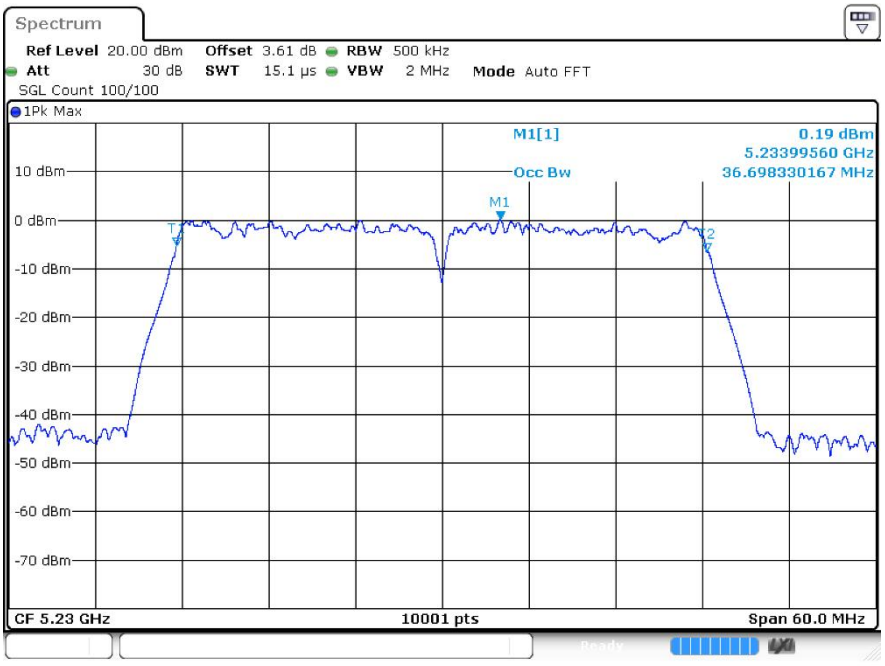
OBW n20 5240MHz Ant1



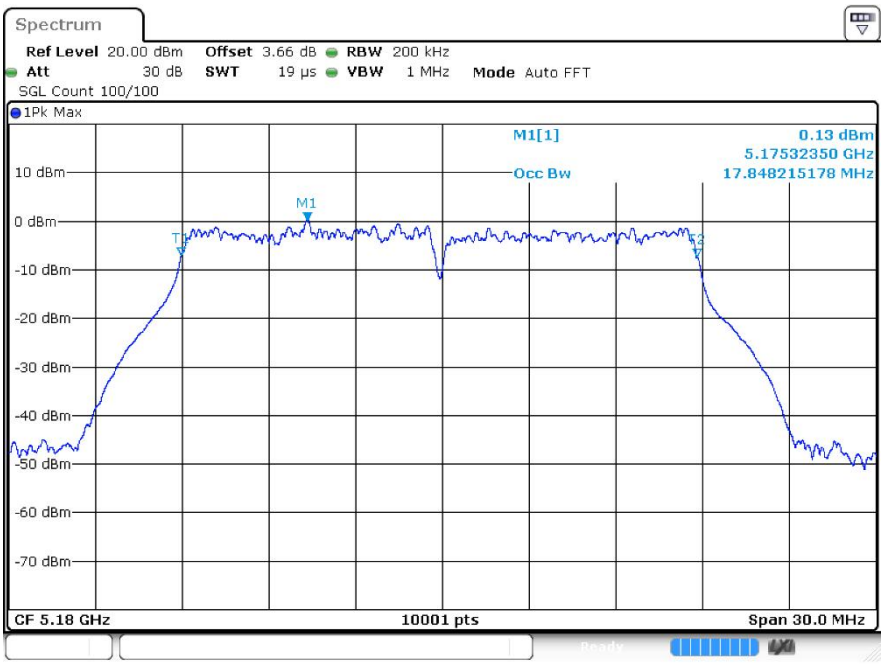
OBWn40 5190MHz Ant1



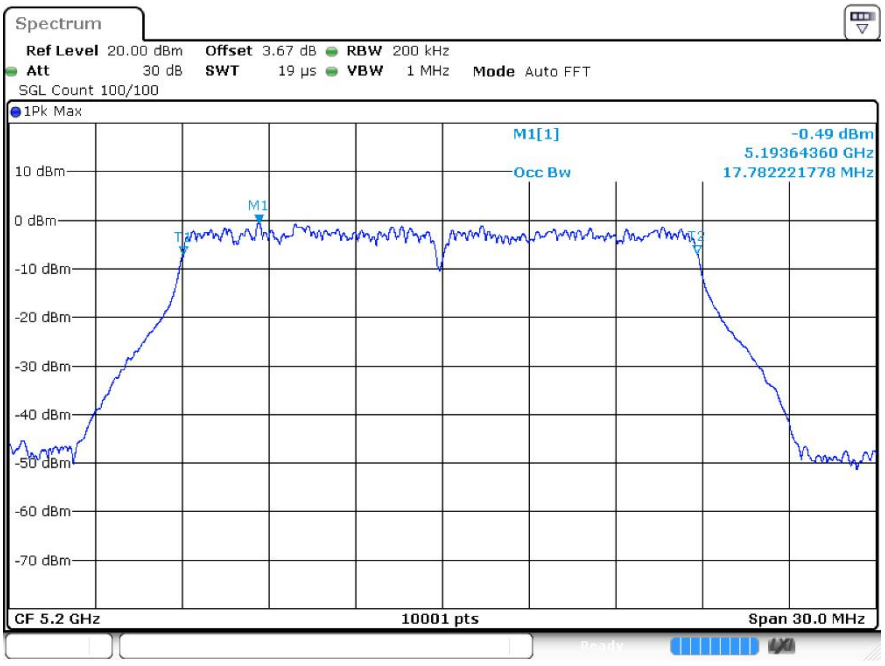
OBWn40 5230MHz Ant1



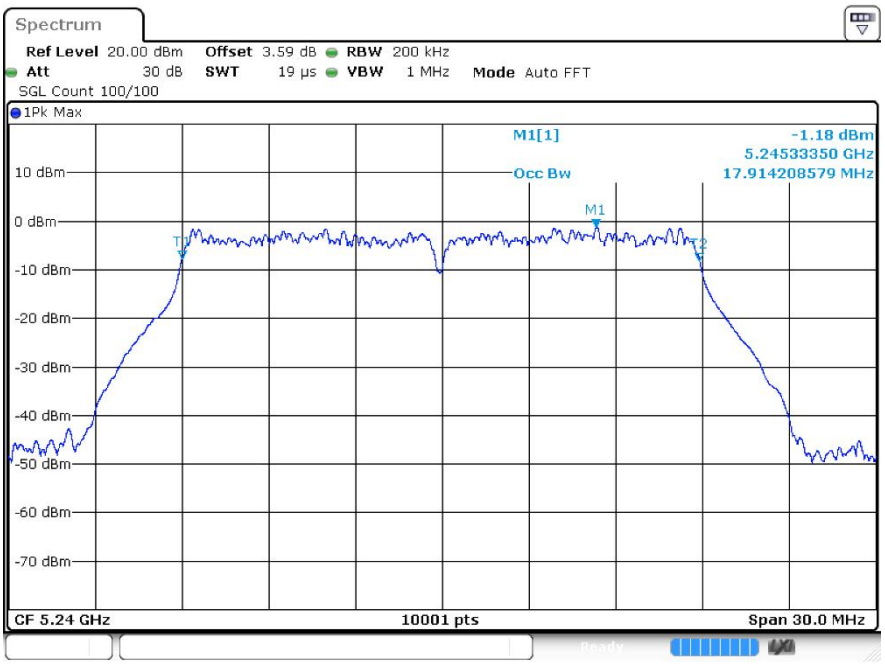
OBW ac20 5180MHz Ant1



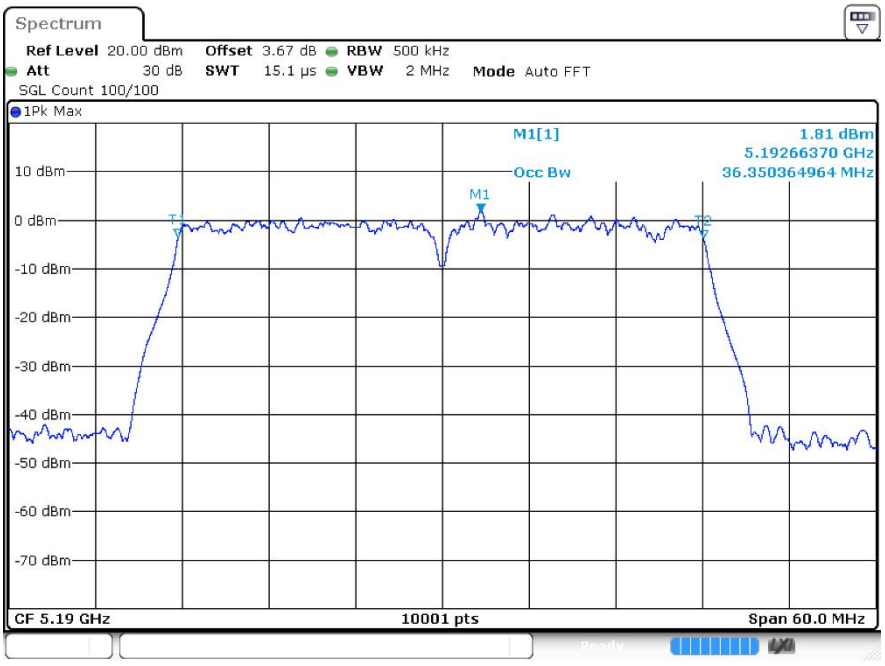
OBW ac20 5200MHz Ant1



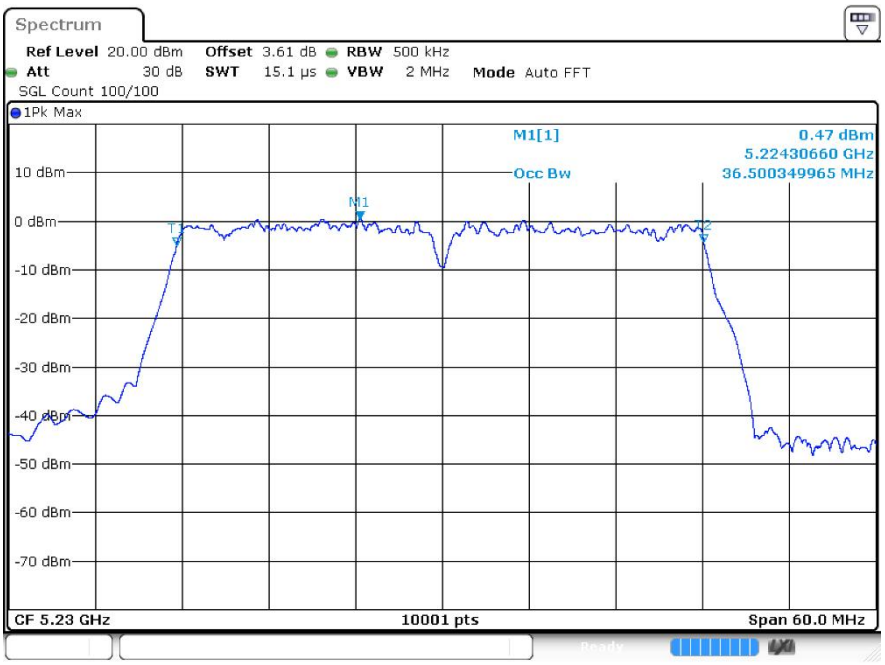
OBW ac20 5240MHz Ant1



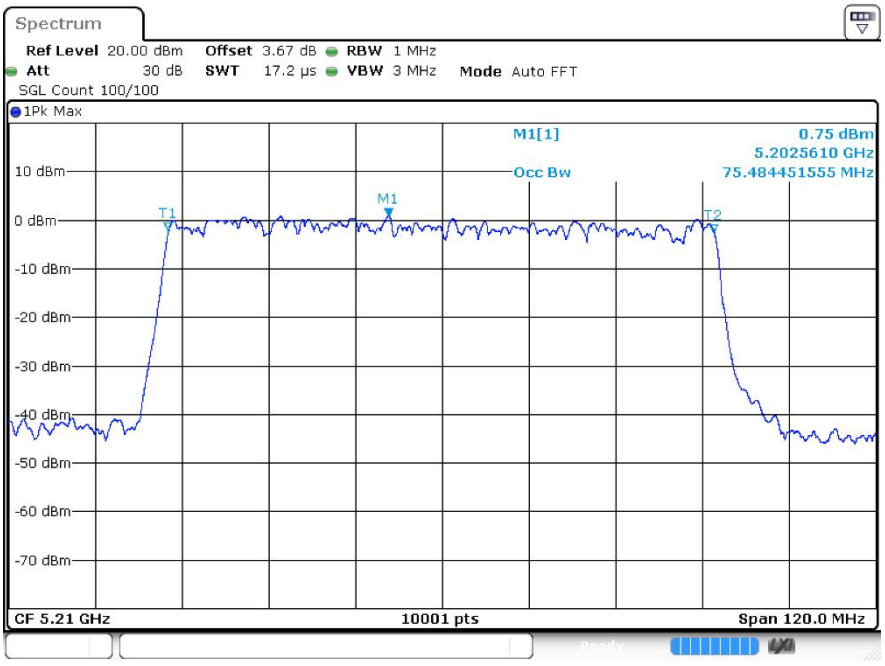
OBWac40 5190MHz Ant1



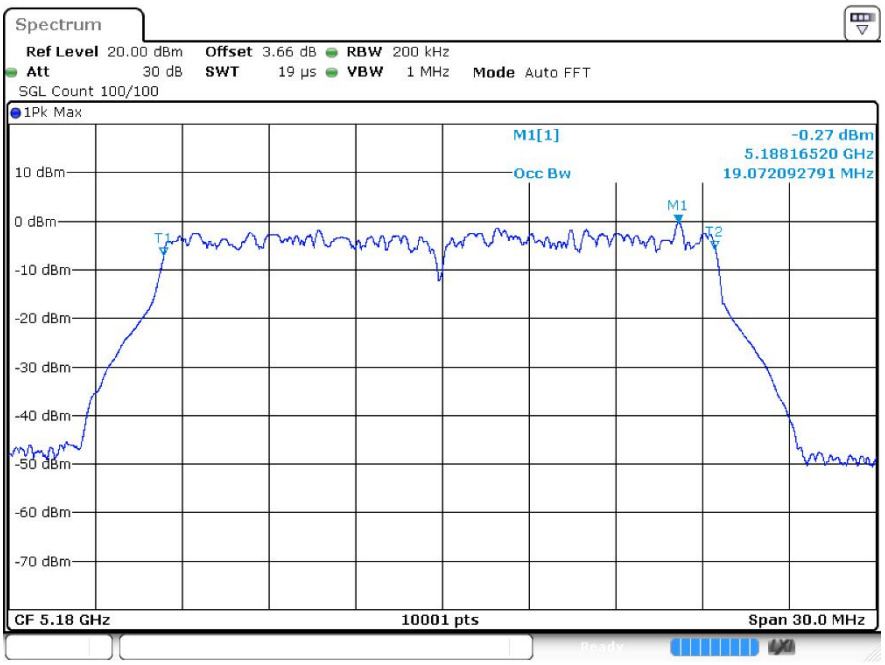
OBWac40 5230MHz Ant1



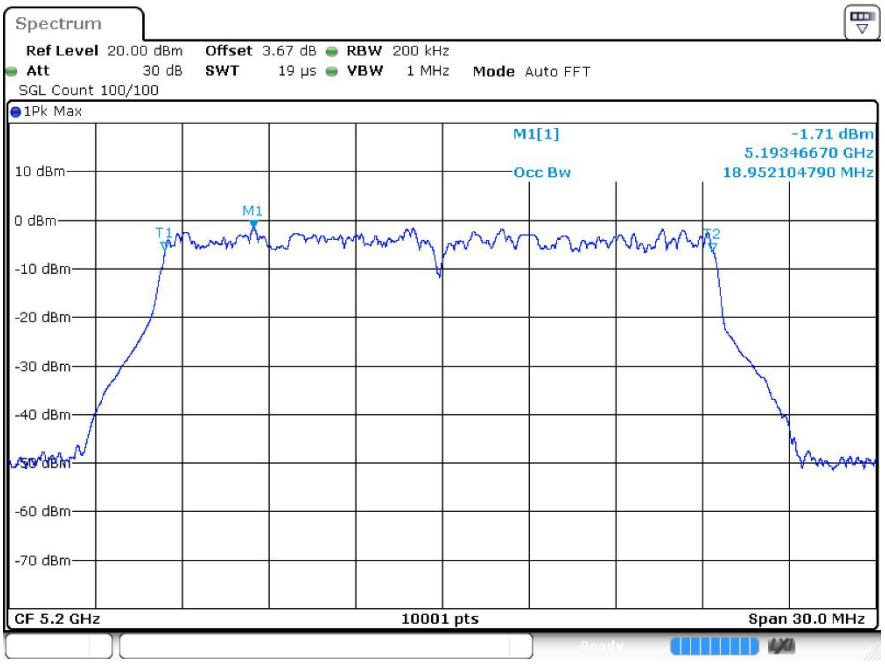
OBWac80 5210MHz Ant1



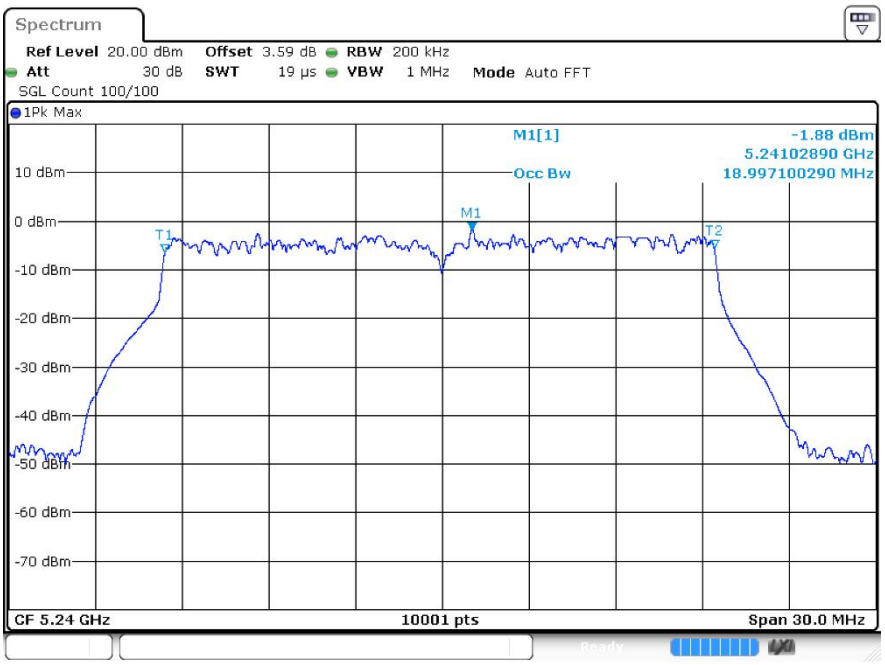
OBW ax20 5180MHz Ant1



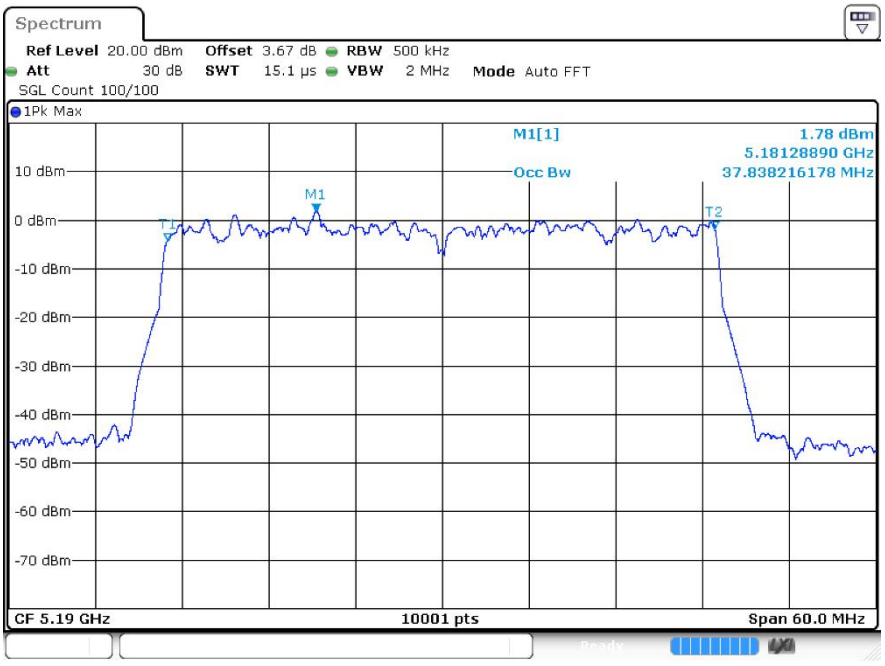
OBW ax20 5200MHz Ant1



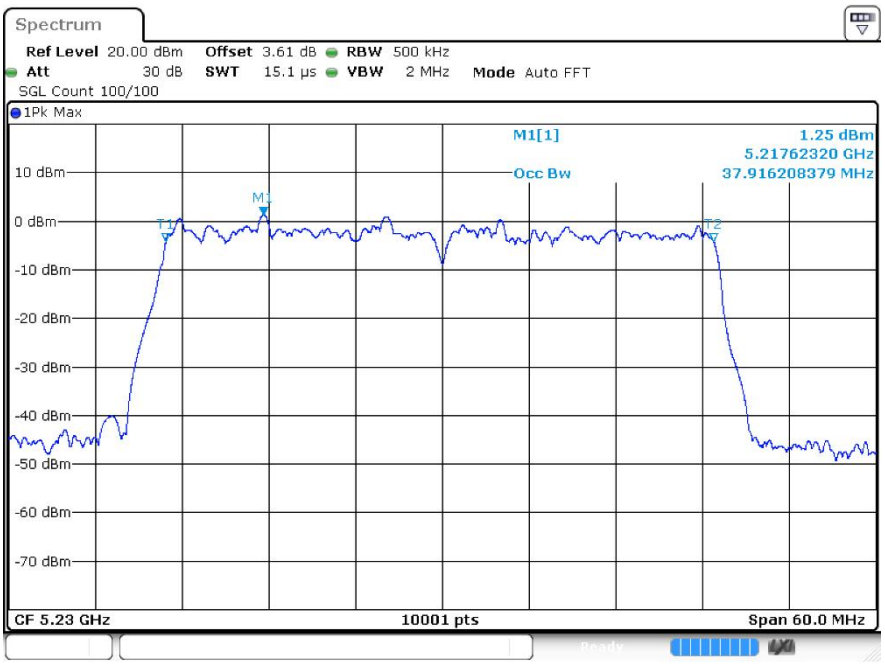
OBW ax20 5240MHz Ant1



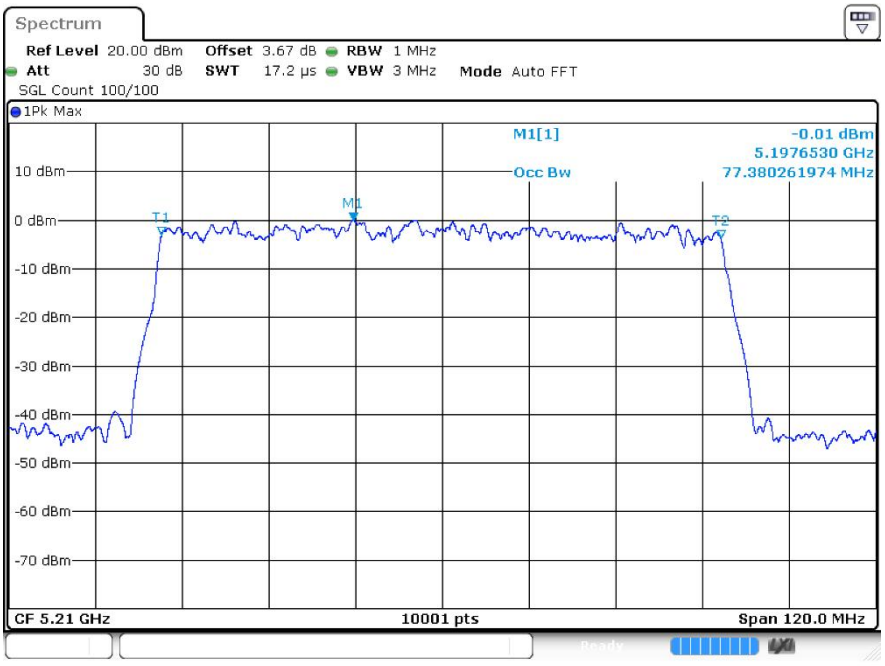
OBWax40 5190MHz Ant1



OBWax40 5230MHz Ant1



OBWax80 5210MHz Ant1

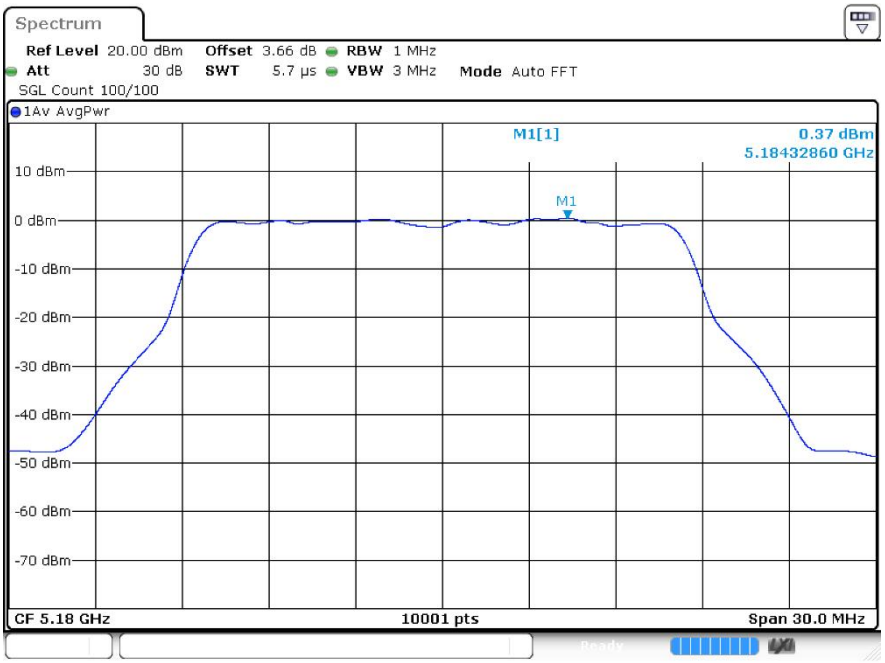
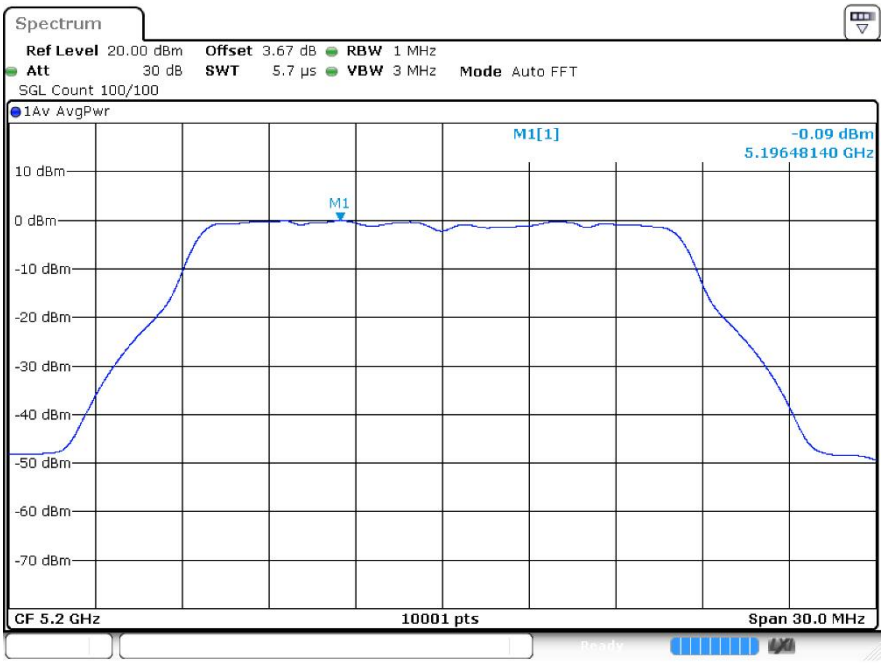


5 Maximum Power Spectral Density Level

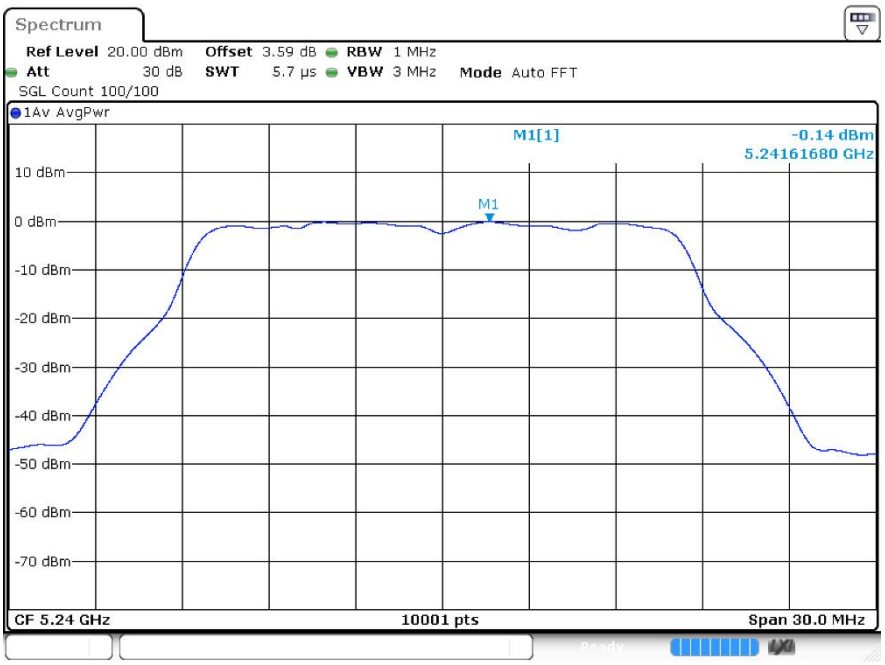
5.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	0.37	0.29	0.66	11	Pass
a	5200	Ant1	-0.09	0.42	0.33	11	Pass
a	5240	Ant1	-0.14	0.29	0.15	11	Pass
n20	5180	Ant1	-0.92	0.49	-0.43	11	Pass
n20	5200	Ant1	-0.73	0.3	-0.43	11	Pass
n20	5240	Ant1	-0.94	0.31	-0.63	11	Pass
n40	5190	Ant1	-3.66	0.46	-3.2	11	Pass
n40	5230	Ant1	-3.57	0.83	-2.74	11	Pass
ac20	5180	Ant1	-0.8	0.45	-0.35	11	Pass
ac20	5200	Ant1	-0.86	0.31	-0.55	11	Pass
ac20	5240	Ant1	-1.34	0.33	-1.01	11	Pass
ac40	5190	Ant1	-3.31	0.75	-2.56	11	Pass
ac40	5230	Ant1	-3.73	0.67	-3.06	11	Pass
ac80	5210	Ant1	-6.83	1.53	-5.3	11	Pass
ax20	5180	Ant1	-2.35	0.37	-1.98	11	Pass
ax20	5200	Ant1	-2.87	0.61	-2.26	11	Pass
ax20	5240	Ant1	-3.61	0.93	-2.68	11	Pass
ax40	5190	Ant1	-4.87	0.25	-4.62	11	Pass
ax40	5230	Ant1	-5.43	0.95	-4.48	11	Pass
ax80	5210	Ant1	-8.15	0.48	-7.67	11	Pass

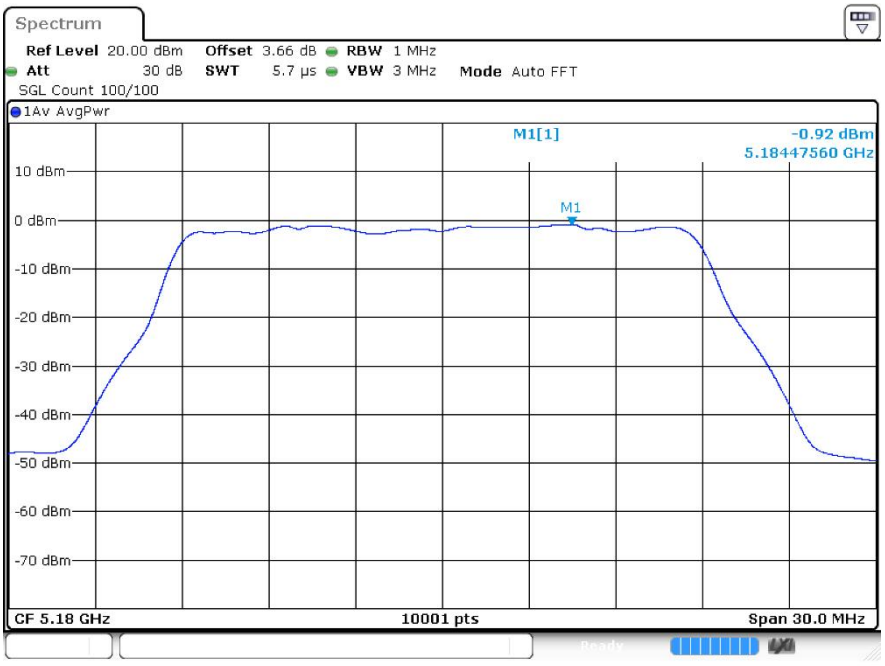
5.2 Test Graphs

Test Graphs
PSD a 5180MHz Ant1

PSD a 5200MHz Ant1


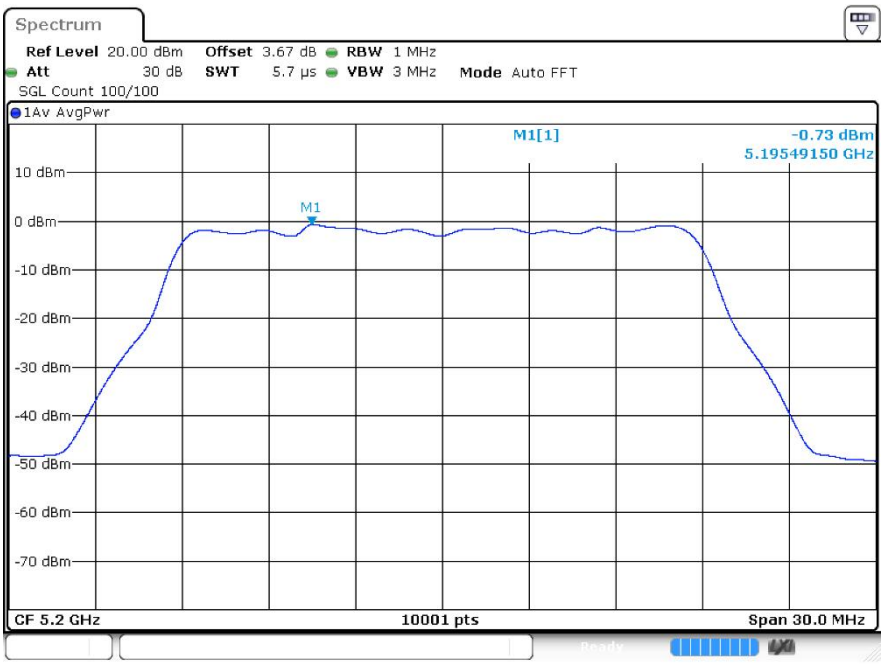
PSD a 5240MHz Ant1



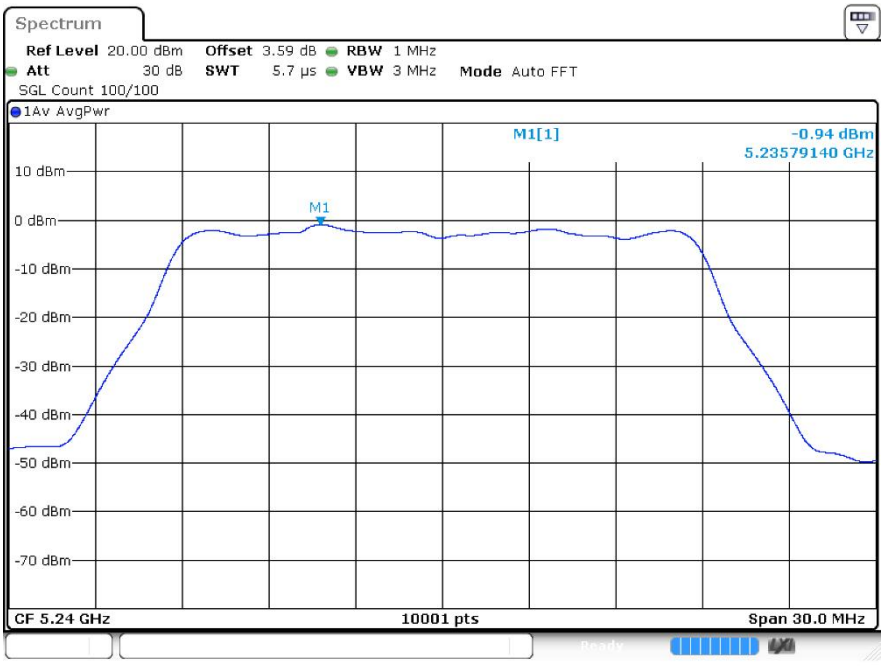
PSD n20 5180MHz Ant1



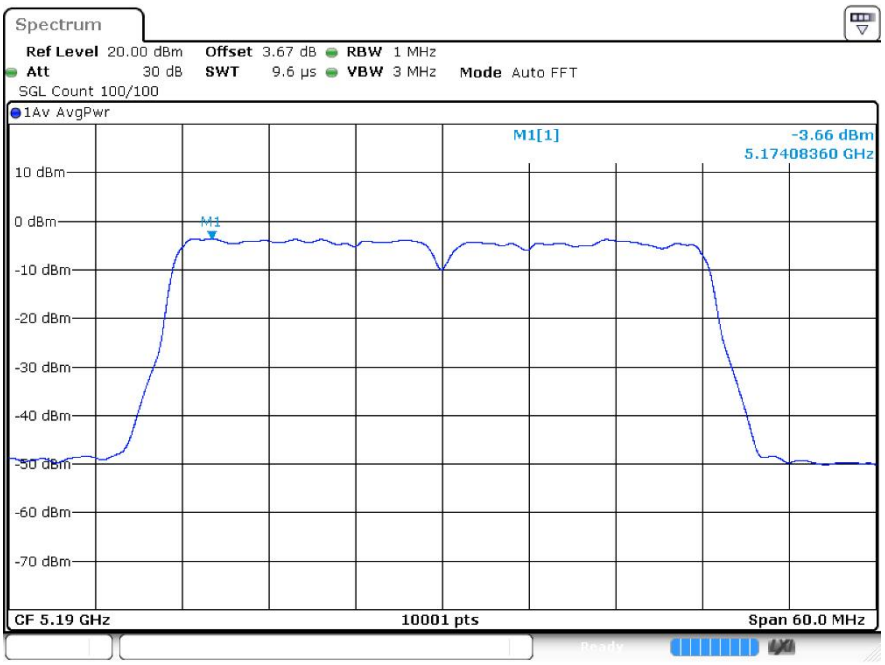
PSD n20 5200MHz Ant1



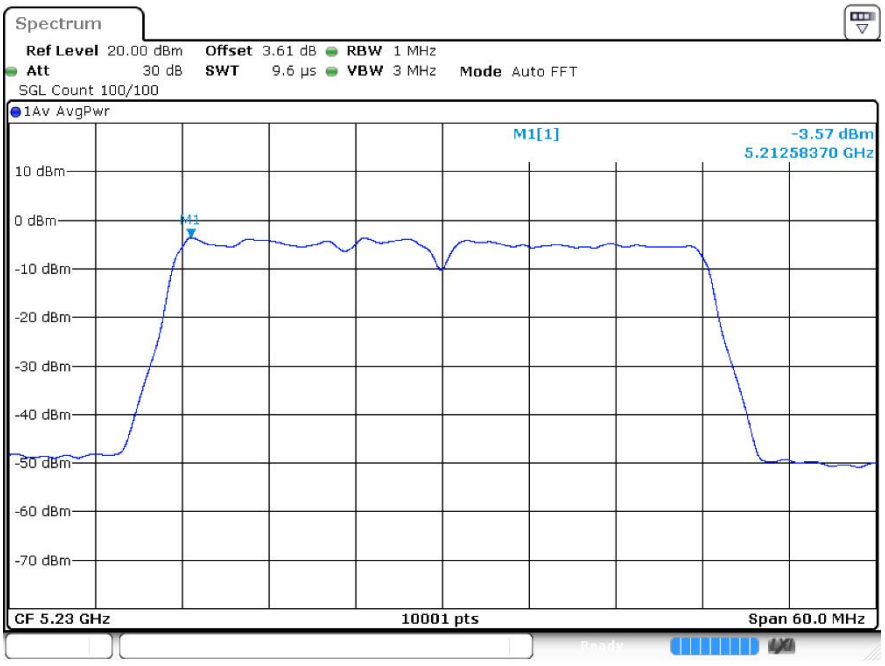
PSD n20 5240MHz Ant1



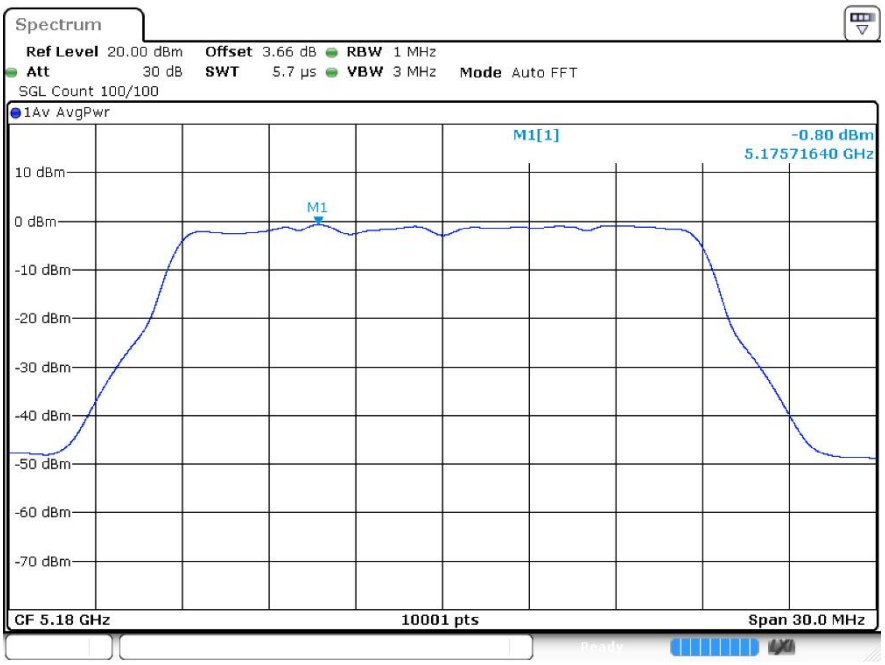
PSDn40 5190MHz Ant1



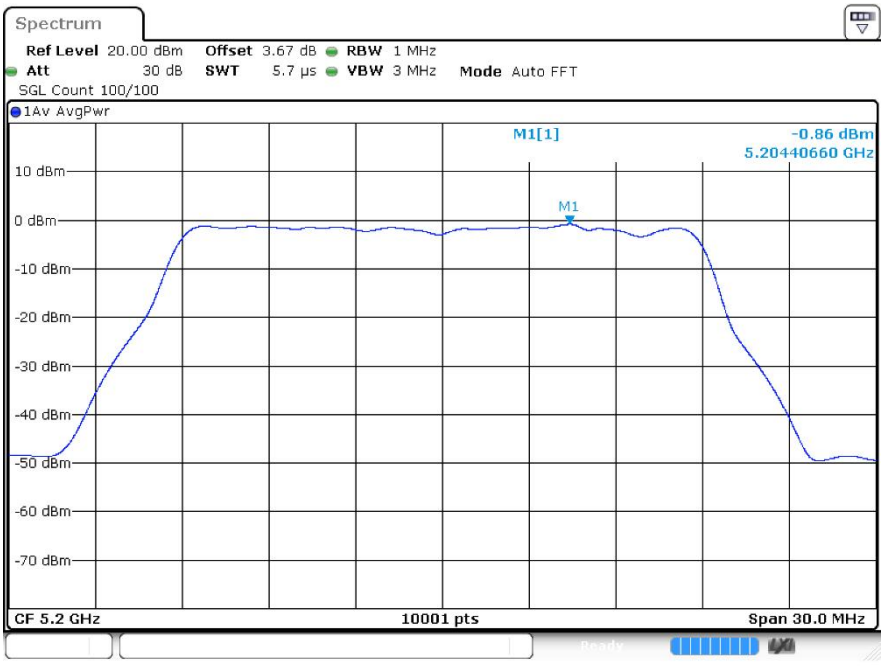
PSDn40 5230MHz Ant1



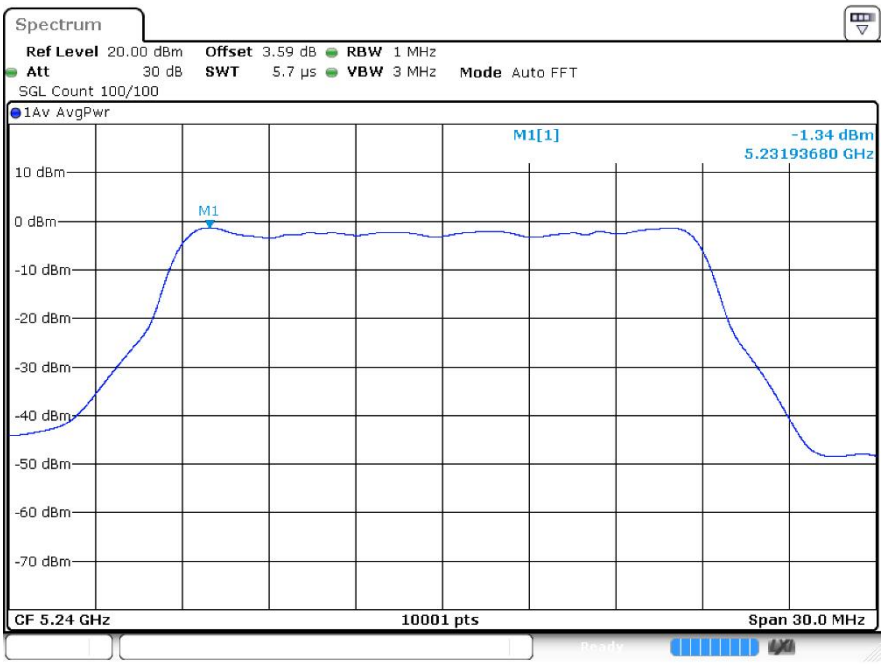
PSD ac20 5180MHz Ant1



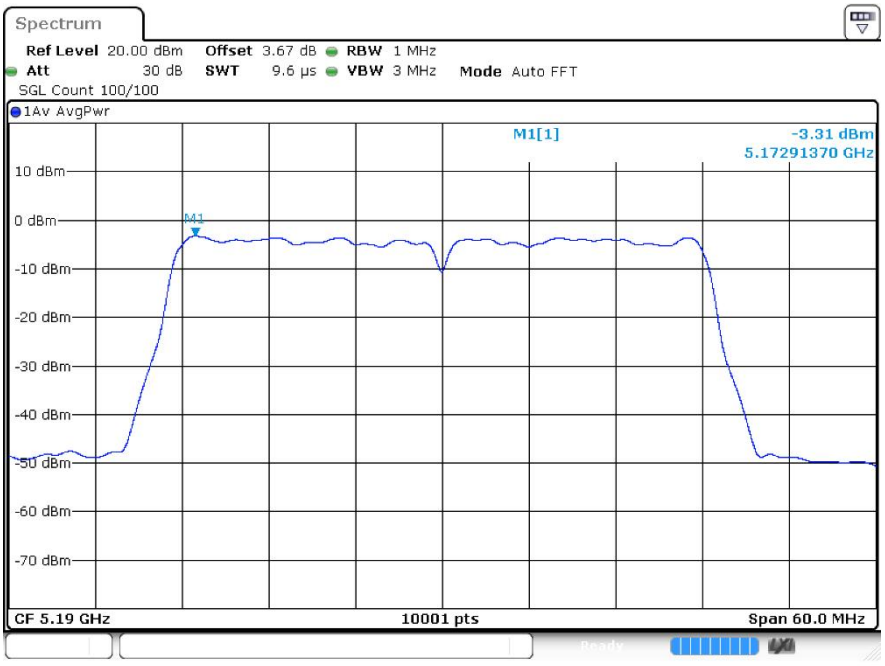
PSD ac20 5200MHz Ant1



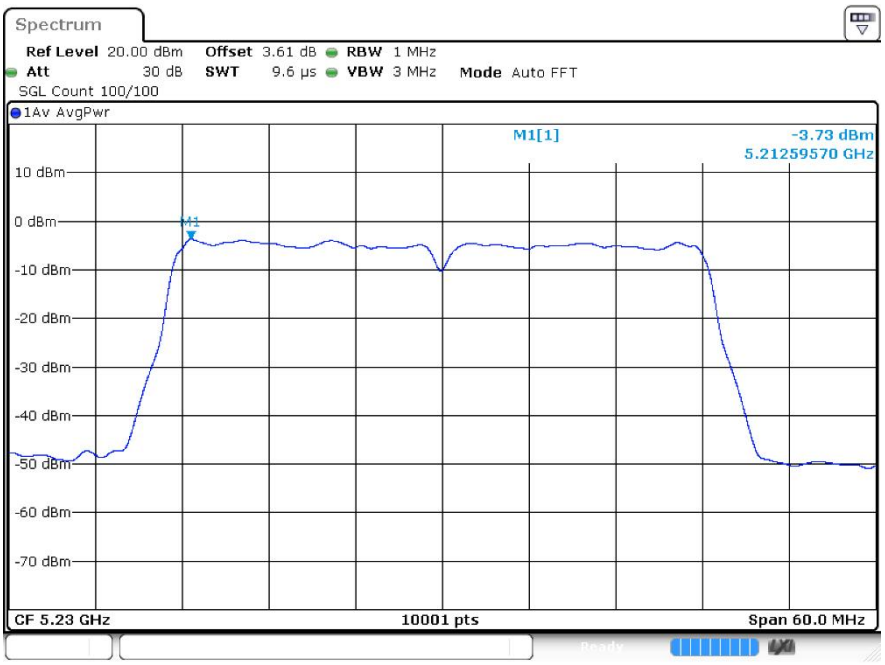
PSD ac20 5240MHz Ant1



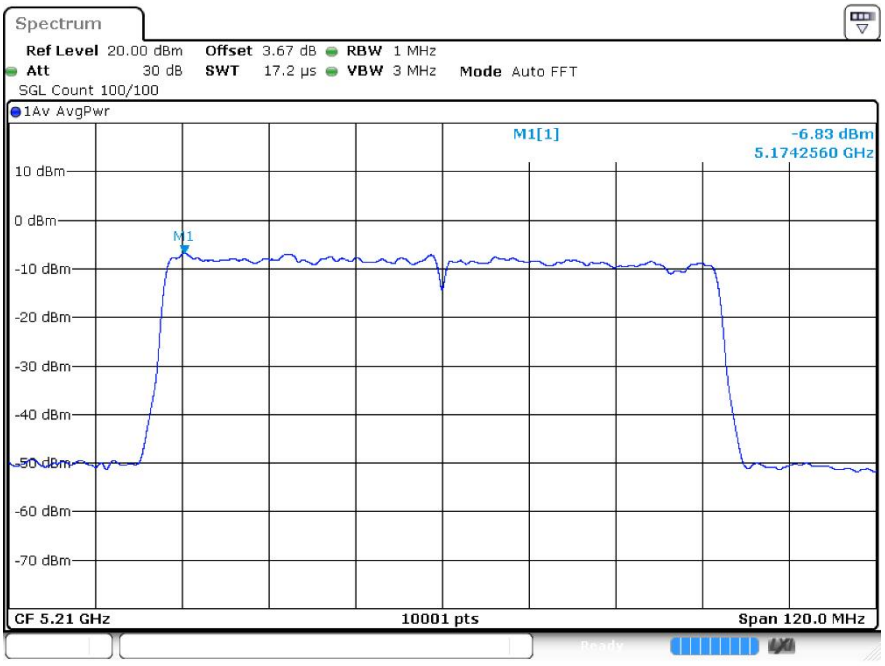
PSDac40 5190MHz Ant1



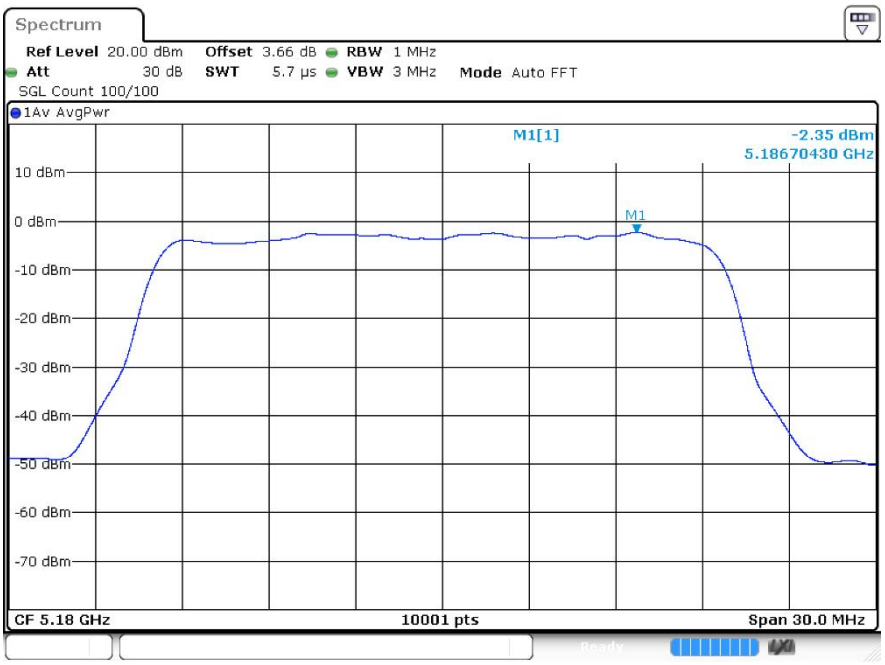
PSDac40 5230MHz Ant1



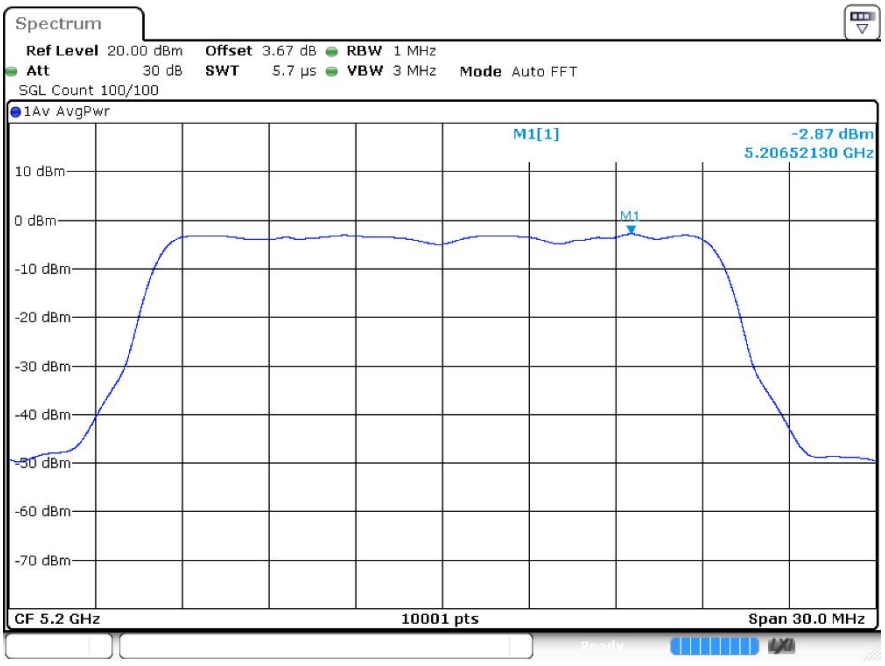
PSDac80 5210MHz Ant1



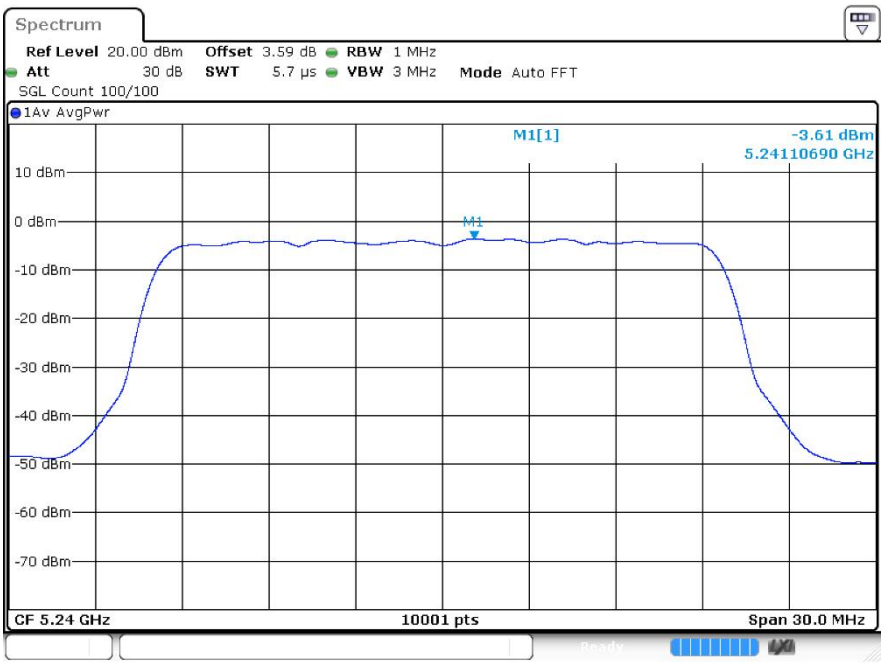
PSD ax20 5180MHz Ant1



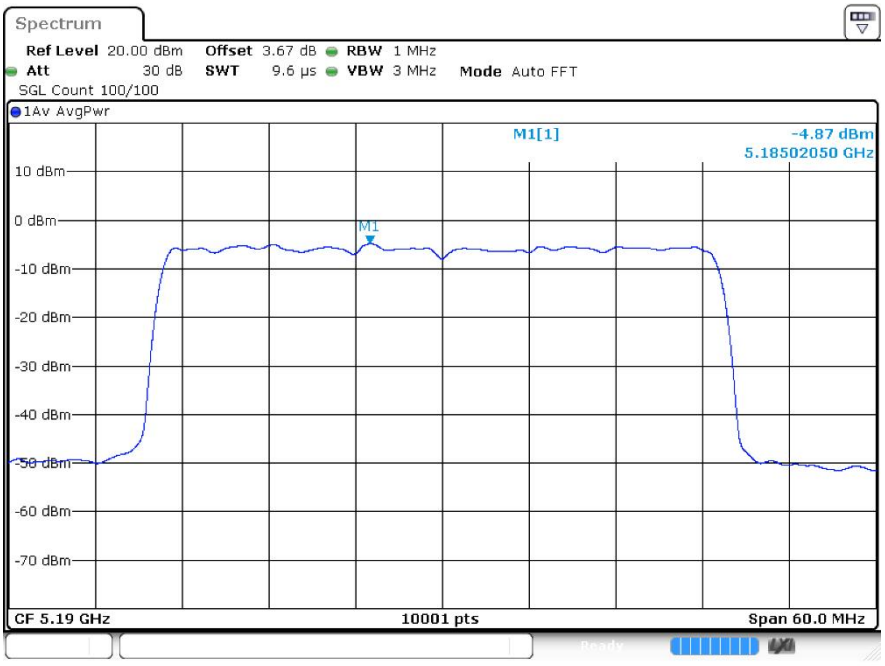
PSD ax20 5200MHz Ant1



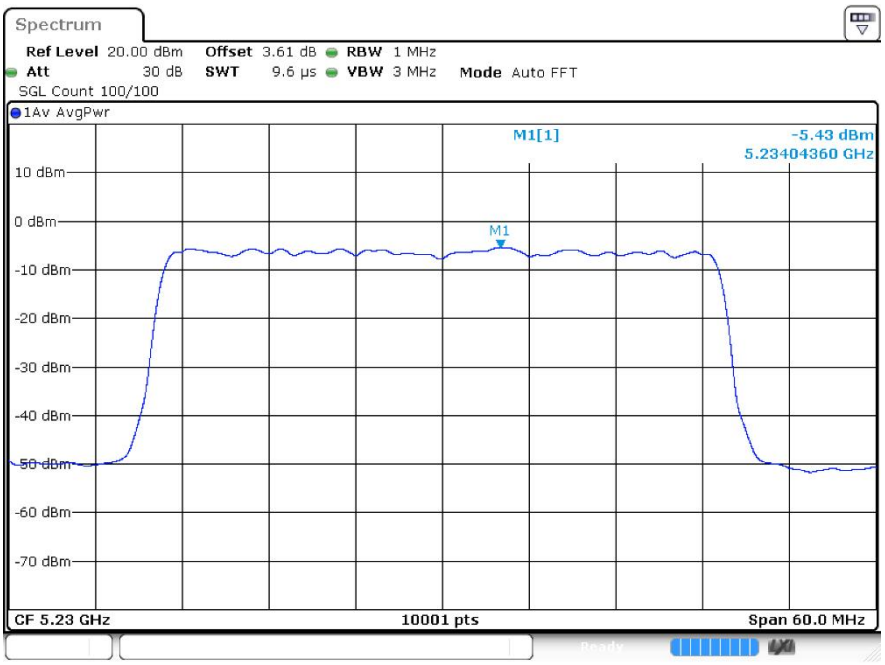
PSD ax20 5240MHz Ant1



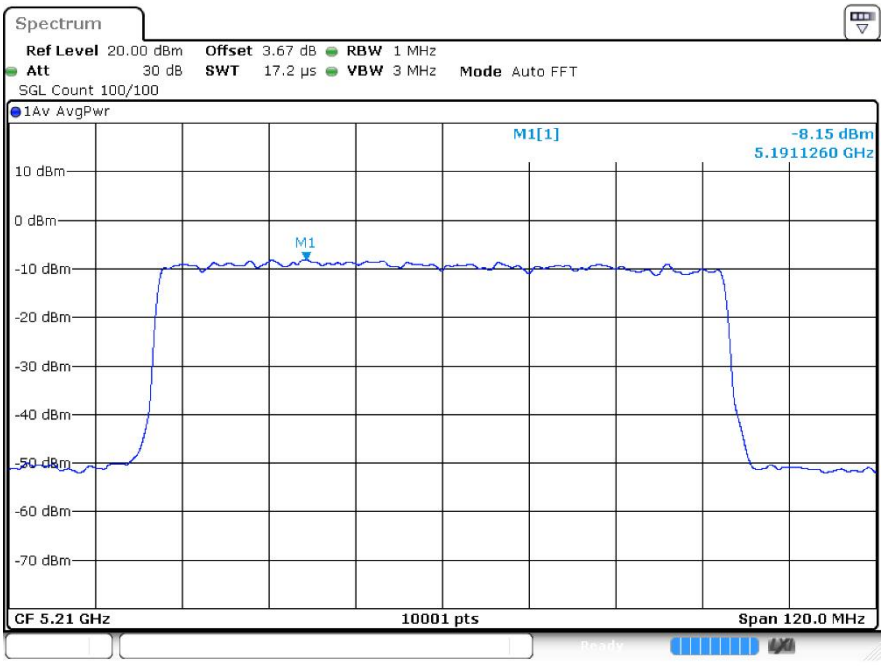
PSDax40 5190MHz Ant1



PSDax40 5230MHz Ant1



PSDax80 5210MHz Ant1



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	5180	Ant1	5179.9	-100000	-19.31	25	Pass
20C 120V	a	5180	Ant1	5179.9	-100000	-19.31	25	Pass
20C 138V	a	5180	Ant1	5179.92	-80000	-15.44	25	Pass
-20C 120V	a	5180	Ant1	5179.9	-100000	-19.31	25	Pass
-10C 120V	a	5180	Ant1	5179.9	-100000	-19.31	25	Pass
0C 120V	a	5180	Ant1	5179.9	-100000	-19.31	25	Pass
10C 120V	a	5180	Ant1	5179.92	-80000	-15.44	25	Pass
30C 120V	a	5180	Ant1	5179.92	-80000	-15.44	25	Pass
40C 120V	a	5180	Ant1	5179.92	-80000	-15.44	25	Pass
50C 120V	a	5180	Ant1	5179.92	-80000	-15.44	25	Pass
20C 102V	a	5200	Ant1	5199.92	-80000	-15.38	25	Pass
20C 120V	a	5200	Ant1	5199.94	-60000	-11.54	25	Pass
20C 138V	a	5200	Ant1	5199.92	-80000	-15.38	25	Pass
-20C 120V	a	5200	Ant1	5199.92	-80000	-15.38	25	Pass
-10C 120V	a	5200	Ant1	5199.92	-80000	-15.38	25	Pass
0C 120V	a	5200	Ant1	5199.9	-100000	-19.23	25	Pass
10C 120V	a	5200	Ant1	5199.92	-80000	-15.38	25	Pass
30C 120V	a	5200	Ant1	5199.9	-100000	-19.23	25	Pass
40C 120V	a	5200	Ant1	5199.92	-80000	-15.38	25	Pass
20C 102V	a	5200	Ant1	5199.92	-80000	-15.38	25	Pass
20C 102V	a	5240	Ant1	5239.92	-80000	-15.27	25	Pass
20C 120V	a	5240	Ant1	5239.9	-100000	-19.08	25	Pass
20C 138V	a	5240	Ant1	5239.9	-100000	-19.08	25	Pass
-20C 120V	a	5240	Ant1	5239.92	-80000	-15.27	25	Pass
-10C 120V	a	5240	Ant1	5239.94	-60000	-11.45	25	Pass
0C 120V	a	5240	Ant1	5239.9	-100000	-19.08	25	Pass
10C 120V	a	5240	Ant1	5239.9	-100000	-19.08	25	Pass
30C 120V	a	5240	Ant1	5239.92	-80000	-15.27	25	Pass
40C 120V	a	5240	Ant1	5239.92	-80000	-15.27	25	Pass
50C 120V	a	5240	Ant1	5239.9	-100000	-19.08	25	Pass
20C 102V	n20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
20C 120V	n20	5180	Ant1	5179.9	-100000	-19.31	25	Pass
20C 138V	n20	5180	Ant1	5179.92	-80000	-15.44	25	Pass
-20C 120V	n20	5180	Ant1	5179.9	-100000	-19.31	25	Pass
-10C 120V	n20	5180	Ant1	5179.92	-80000	-15.44	25	Pass
0C 120V	n20	5180	Ant1	5179.92	-80000	-15.44	25	Pass

10C 120V	n20	5180	Ant1	5179.92	-80000	-15.44	25	Pass
30C 120V	n20	5180	Ant1	5179.92	-80000	-15.44	25	Pass
40C 120V	n20	5180	Ant1	5179.92	-80000	-15.44	25	Pass
50C 120V	n20	5180	Ant1	5179.9	-100000	-19.31	25	Pass
20C 102V	n20	5200	Ant1	5199.92	-80000	-15.38	25	Pass
20C 120V	n20	5200	Ant1	5199.92	-80000	-15.38	25	Pass
20C 138V	n20	5200	Ant1	5199.92	-80000	-15.38	25	Pass
-20C 120V	n20	5200	Ant1	5199.92	-80000	-15.38	25	Pass
-10C 120V	n20	5200	Ant1	5199.92	-80000	-15.38	25	Pass
0C 120V	n20	5200	Ant1	5199.9	-100000	-19.23	25	Pass
10C 120V	n20	5200	Ant1	5199.92	-80000	-15.38	25	Pass
30C 120V	n20	5200	Ant1	5199.88	-120000	-23.08	25	Pass
40C 120V	n20	5200	Ant1	5199.9	-100000	-19.23	25	Pass
50C 120V	n20	5200	Ant1	5199.9	-100000	-19.23	25	Pass
20C 102V	n20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
20C 120V	n20	5240	Ant1	5239.92	-80000	-15.27	25	Pass
20C 138V	n20	5240	Ant1	5239.92	-80000	-15.27	25	Pass
-20C 120V	n20	5240	Ant1	5239.92	-80000	-15.27	25	Pass
-10C 120V	n20	5240	Ant1	5239.88	-120000	-22.9	25	Pass
0C 120V	n20	5240	Ant1	5239.92	-80000	-15.27	25	Pass
10C 120V	n20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
30C 120V	n20	5240	Ant1	5239.92	-80000	-15.27	25	Pass
40C 120V	n20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
50C 120V	n20	5240	Ant1	5239.88	-120000	-22.9	25	Pass
20C 102V	n40	5190	Ant1	5189.88	-120000	-23.12	25	Pass
20C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 138V	n40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
-20C 120V	n40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
-10C 120V	n40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
0C 120V	n40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
10C 120V	n40	5190	Ant1	5189.88	-120000	-23.12	25	Pass
30C 120V	n40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
40C 120V	n40	5190	Ant1	5189.88	-120000	-23.12	25	Pass
50C 120V	n40	5190	Ant1	5189.88	-120000	-23.12	25	Pass
20C 102V	n40	5230	Ant1	5229.88	-120000	-22.94	25	Pass
20C 120V	n40	5230	Ant1	5229.88	-120000	-22.94	25	Pass
20C 138V	n40	5230	Ant1	5229.88	-120000	-22.94	25	Pass
-20C 120V	n40	5230	Ant1	5229.88	-120000	-22.94	25	Pass
-10C 120V	n40	5230	Ant1	5229.88	-120000	-22.94	25	Pass
0C 120V	n40	5230	Ant1	5229.88	-120000	-22.94	25	Pass
10C 120V	n40	5230	Ant1	5229.88	-120000	-22.94	25	Pass
30C 120V	n40	5230	Ant1	5229.88	-120000	-22.94	25	Pass
40C 120V	n40	5230	Ant1	5229.88	-120000	-22.94	25	Pass

50C 120V	n40	5230	Ant1	5229.88	-120000	-22.94	25	Pass
20C 102V	ac20	5180	Ant1	5179.9	-100000	-19.31	25	Pass
20C 120V	ac20	5180	Ant1	5179.92	-80000	-15.44	25	Pass
20C 138V	ac20	5180	Ant1	5179.9	-100000	-19.31	25	Pass
-20C 120V	ac20	5180	Ant1	5179.92	-80000	-15.44	25	Pass
-10C 120V	ac20	5180	Ant1	5179.92	-80000	-15.44	25	Pass
0C 120V	ac20	5180	Ant1	5179.92	-80000	-15.44	25	Pass
10C 120V	ac20	5180	Ant1	5179.9	-100000	-19.31	25	Pass
30C 120V	ac20	5180	Ant1	5179.92	-80000	-15.44	25	Pass
40C 120V	ac20	5180	Ant1	5179.9	-100000	-19.31	25	Pass
50C 120V	ac20	5180	Ant1	5179.92	-80000	-15.44	25	Pass
20C 102V	ac20	5200	Ant1	5199.9	-100000	-19.23	25	Pass
20C 120V	ac20	5200	Ant1	5199.92	-80000	-15.38	25	Pass
20C 138V	ac20	5200	Ant1	5199.9	-100000	-19.23	25	Pass
-20C 120V	ac20	5200	Ant1	5199.9	-100000	-19.23	25	Pass
-10C 120V	ac20	5200	Ant1	5199.92	-80000	-15.38	25	Pass
0C 120V	ac20	5200	Ant1	5199.9	-100000	-19.23	25	Pass
10C 120V	ac20	5200	Ant1	5199.92	-80000	-15.38	25	Pass
30C 120V	ac20	5200	Ant1	5199.92	-80000	-15.38	25	Pass
40C 120V	ac20	5200	Ant1	5199.9	-100000	-19.23	25	Pass
50C 120V	ac20	5200	Ant1	5199.92	-80000	-15.38	25	Pass
20C 102V	ac20	5240	Ant1	5239.92	-80000	-15.27	25	Pass
20C 120V	ac20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
20C 138V	ac20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
-20C 120V	ac20	5240	Ant1	5239.92	-80000	-15.27	25	Pass
-10C 120V	ac20	5240	Ant1	5239.92	-80000	-15.27	25	Pass
0C 120V	ac20	5240	Ant1	5239.92	-80000	-15.27	25	Pass
10C 120V	ac20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
30C 120V	ac20	5240	Ant1	5239.92	-80000	-15.27	25	Pass
40C 120V	ac20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
50C 120V	ac20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
20C 102V	ac40	5190	Ant1	5189.88	-120000	-23.12	25	Pass
20C 120V	ac40	5190	Ant1	5189.88	-120000	-23.12	25	Pass
20C 138V	ac40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
-20C 120V	ac40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
-10C 120V	ac40	5190	Ant1	5189.88	-120000	-23.12	25	Pass
0C 120V	ac40	5190	Ant1	5189.88	-120000	-23.12	25	Pass
10C 120V	ac40	5190	Ant1	5189.88	-120000	-23.12	25	Pass
30C 120V	ac40	5190	Ant1	5189.88	-120000	-23.12	25	Pass
40C 120V	ac40	5190	Ant1	5189.88	-120000	-23.12	25	Pass
50C 120V	ac40	5190	Ant1	5189.88	-120000	-23.12	25	Pass
20C 102V	ac40	5230	Ant1	5229.88	-120000	-22.94	25	Pass
20C 120V	ac40	5230	Ant1	5229.88	-120000	-22.94	25	Pass

20C 138V	ac40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
-20C 120V	ac40	5230	Ant1	5229.88	-120000	-22.94	25	Pass
-10C 120V	ac40	5230	Ant1	5229.88	-120000	-22.94	25	Pass
0C 120V	ac40	5230	Ant1	5229.88	-120000	-22.94	25	Pass
10C 120V	ac40	5230	Ant1	5229.88	-120000	-22.94	25	Pass
30C 120V	ac40	5230	Ant1	5229.88	-120000	-22.94	25	Pass
40C 120V	ac40	5230	Ant1	5229.88	-120000	-22.94	25	Pass
50C 120V	ac40	5230	Ant1	5229.88	-120000	-22.94	25	Pass
20C 102V	ac80	5210	Ant1	5209.84	-160000	-30.71	25	Pass
20C 120V	ac80	5210	Ant1	5209.84	-160000	-30.71	25	Pass
20C 138V	ac80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
-20C 120V	ac80	5210	Ant1	5209.84	-160000	-30.71	25	Pass
-10C 120V	ac80	5210	Ant1	5209.84	-160000	-30.71	25	Pass
0C 120V	ac80	5210	Ant1	5209.84	-160000	-30.71	25	Pass
10C 120V	ac80	5210	Ant1	5209.84	-160000	-30.71	25	Pass
30C 120V	ac80	5210	Ant1	5209.84	-160000	-30.71	25	Pass
40C 120V	ac80	5210	Ant1	5209.84	-160000	-30.71	25	Pass
50C 120V	ac80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
20C 102V	ax20	5180	Ant1	5179.9	-100000	-19.31	25	Pass
20C 120V	ax20	5180	Ant1	5179.9	-100000	-19.31	25	Pass
20C 138V	ax20	5180	Ant1	5179.9	-100000	-19.31	25	Pass
-20C 120V	ax20	5180	Ant1	5179.9	-100000	-19.31	25	Pass
-10C 120V	ax20	5180	Ant1	5179.9	-100000	-19.31	25	Pass
0C 120V	ax20	5180	Ant1	5179.9	-100000	-19.31	25	Pass
10C 120V	ax20	5180	Ant1	5179.9	-100000	-19.31	25	Pass
30C 120V	ax20	5180	Ant1	5179.9	-100000	-19.31	25	Pass
40C 120V	ax20	5180	Ant1	5179.9	-100000	-19.31	25	Pass
50C 120V	ax20	5180	Ant1	5179.9	-100000	-19.31	25	Pass
20C 102V	ax20	5200	Ant1	5199.9	-100000	-19.23	25	Pass
20C 120V	ax20	5200	Ant1	5199.9	-100000	-19.23	25	Pass
20C 138V	ax20	5200	Ant1	5199.9	-100000	-19.23	25	Pass
-20C 120V	ax20	5200	Ant1	5199.9	-100000	-19.23	25	Pass
-10C 120V	ax20	5200	Ant1	5199.9	-100000	-19.23	25	Pass
0C 120V	ax20	5200	Ant1	5199.9	-100000	-19.23	25	Pass
10C 120V	ax20	5200	Ant1	5199.9	-100000	-19.23	25	Pass
30C 120V	ax20	5200	Ant1	5199.9	-100000	-19.23	25	Pass
40C 120V	ax20	5200	Ant1	5199.9	-100000	-19.23	25	Pass
50C 120V	ax20	5200	Ant1	5199.9	-100000	-19.23	25	Pass
20C 102V	ax20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
20C 120V	ax20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
20C 138V	ax20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
-20C 120V	ax20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
-10C 120V	ax20	5240	Ant1	5239.9	-100000	-19.08	25	Pass

0C 120V	ax20	5240	Ant1	5239.92	-80000	-15.27	25	Pass
10C 120V	ax20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
30C 120V	ax20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
40C 120V	ax20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
50C 120V	ax20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
20C 102V	ax40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
20C 120V	ax40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
20C 138V	ax40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
-20C 120V	ax40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
-10C 120V	ax40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
0C 120V	ax40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
10C 120V	ax40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
30C 120V	ax40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
40C 120V	ax40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
50C 120V	ax40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
20C 102V	ax40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
20C 120V	ax40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
20C 138V	ax40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
-20C 120V	ax40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
-10C 120V	ax40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
0C 120V	ax40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
10C 120V	ax40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
30C 120V	ax40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
40C 120V	ax40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
50C 120V	ax40	5230	Ant1	5229.92	-80000	-15.3	25	Pass
20C 102V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
20C 120V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
20C 138V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
-20C 120V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
-10C 120V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
0C 120V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
10C 120V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
30C 120V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
40C 120V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
50C 120V	ax80	5210	Ant1	5209.92	-80000	-15.36	25	Pass

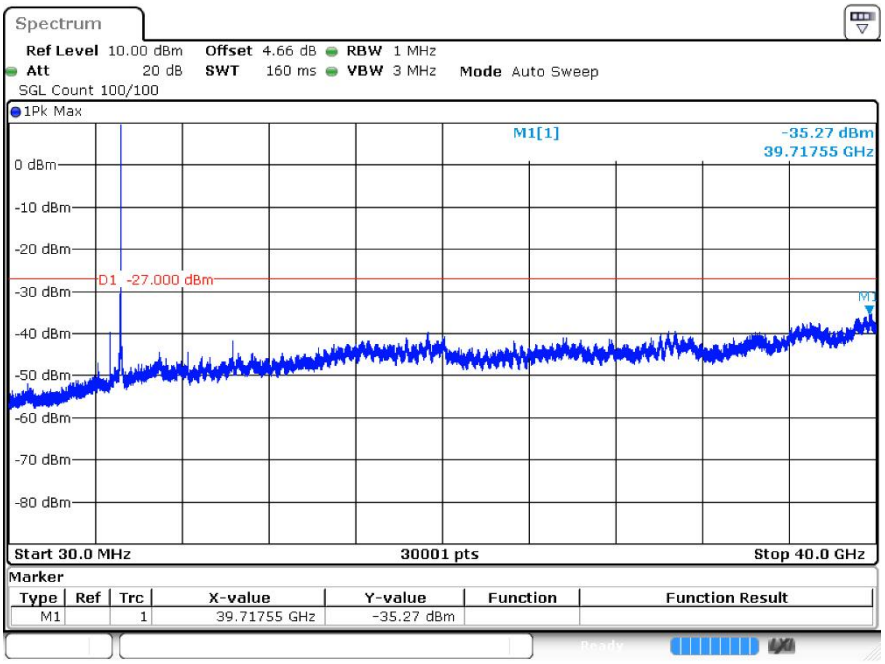
7 Conducted RF Spurious Emission

7.1 Test Result

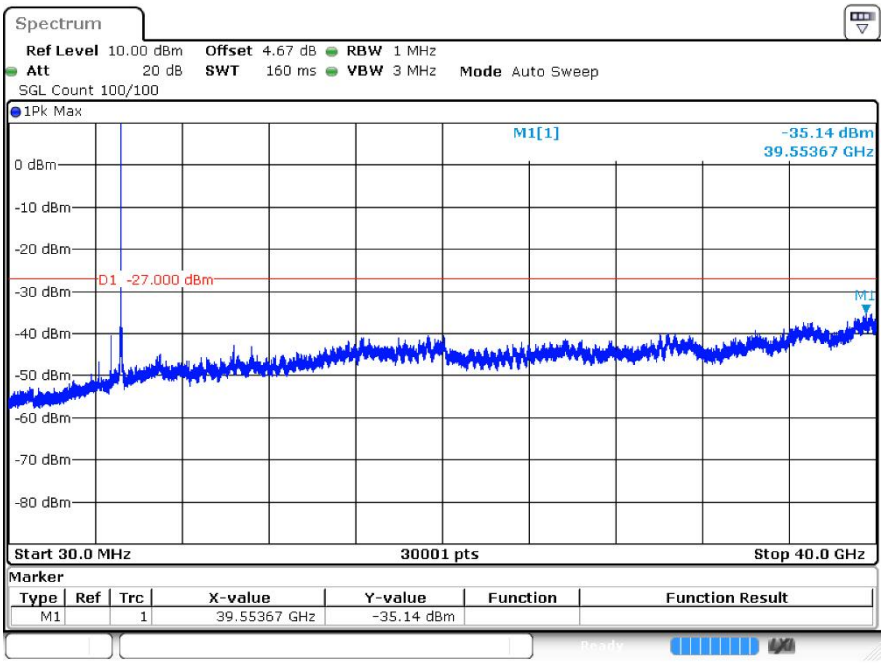
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
a	5180	Ant1	-35.27	-27	Pass
a	5200	Ant1	-35.14	-27	Pass
a	5240	Ant1	-34.97	-27	Pass
n20	5180	Ant1	-35.8	-27	Pass
n20	5200	Ant1	-35.74	-27	Pass
n20	5240	Ant1	-35.39	-27	Pass
n40	5190	Ant1	-34.64	-27	Pass
n40	5230	Ant1	-35.9	-27	Pass
ac20	5180	Ant1	-35.81	-27	Pass
ac20	5200	Ant1	-35.47	-27	Pass
ac20	5240	Ant1	-35.68	-27	Pass
ac40	5190	Ant1	-35.27	-27	Pass
ac40	5230	Ant1	-35.8	-27	Pass
ac80	5210	Ant1	-35.03	-27	Pass
ax20	5180	Ant1	-35.51	-27	Pass
ax20	5200	Ant1	-35.05	-27	Pass
ax20	5240	Ant1	-35.99	-27	Pass
ax40	5190	Ant1	-35.32	-27	Pass
ax40	5230	Ant1	-35.94	-27	Pass
ax80	5210	Ant1	-35.04	-27	Pass

7.2 Test Graphs

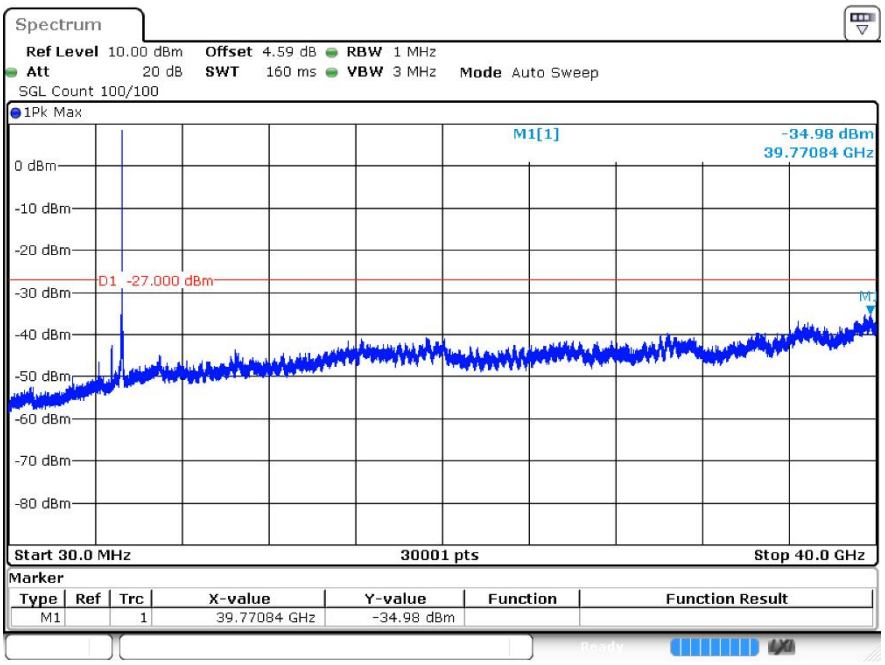
Test Graphs
Tx. Spurious a 5180MHz Ant1



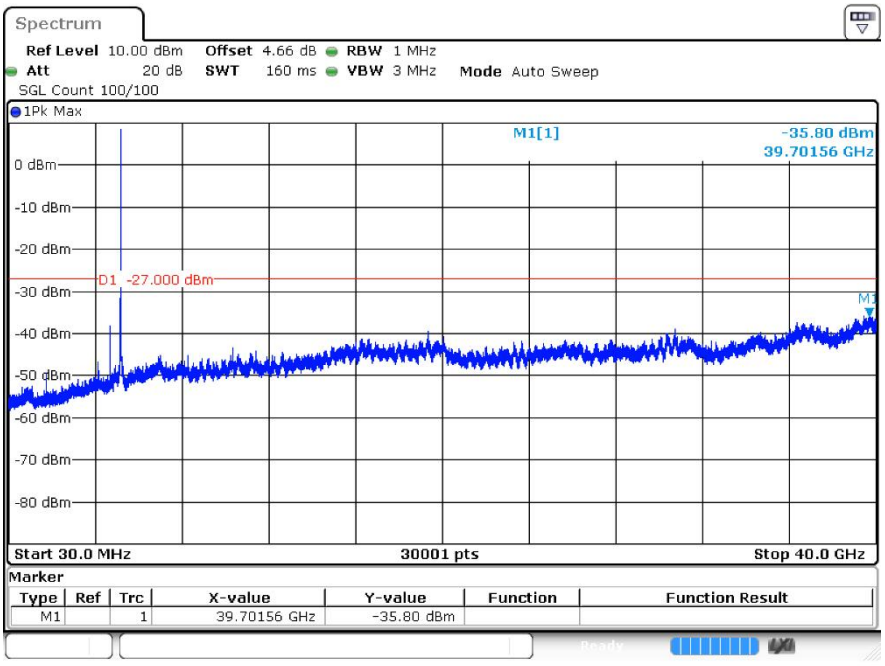
Tx. Spurious a 5200MHz Ant1



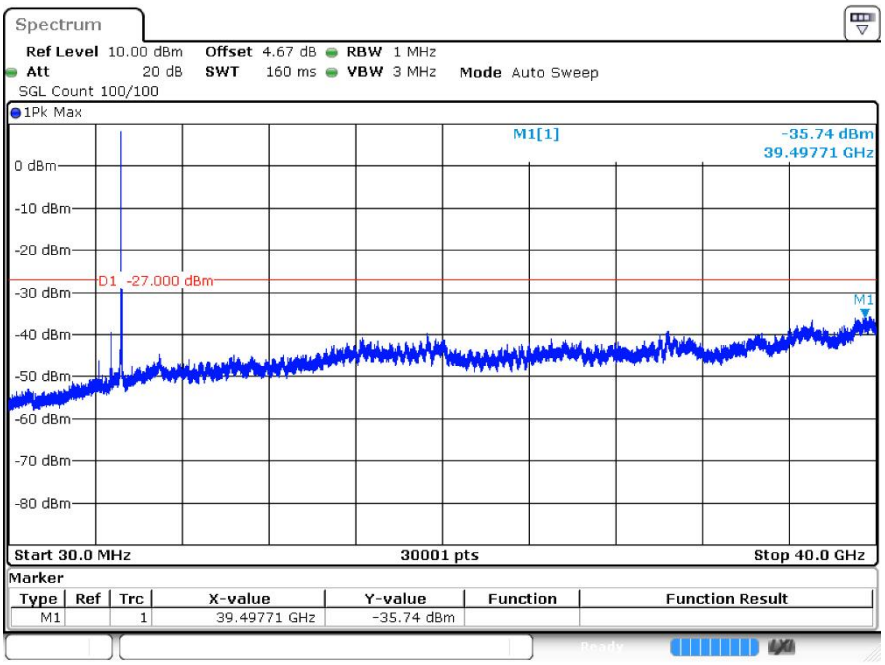
Tx. Spurious a 5240MHz Ant1



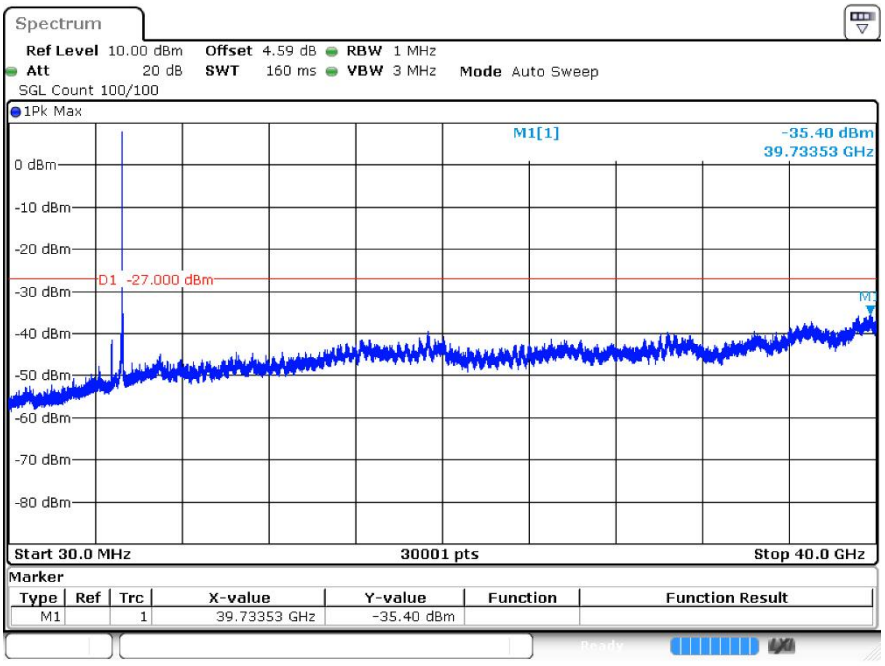
Tx. Spurious n20 5180MHz Ant1



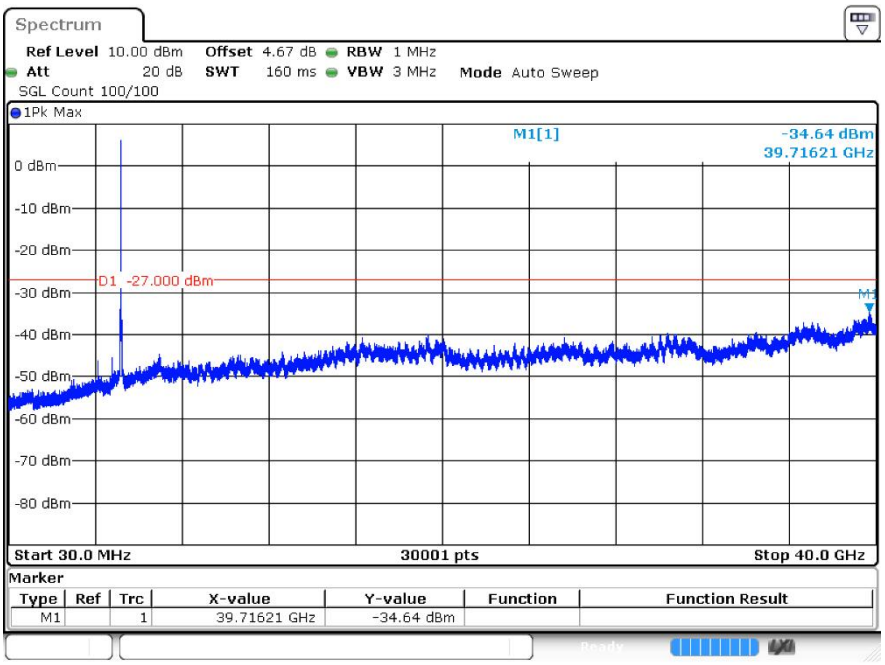
Tx. Spurious n20 5200MHz Ant1



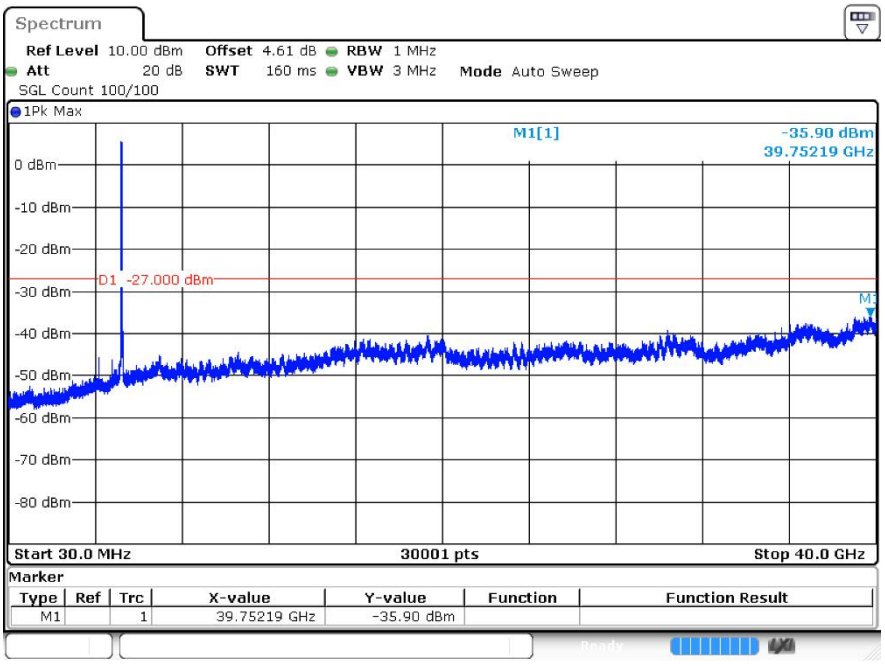
Tx. Spurious n20 5240MHz Ant1



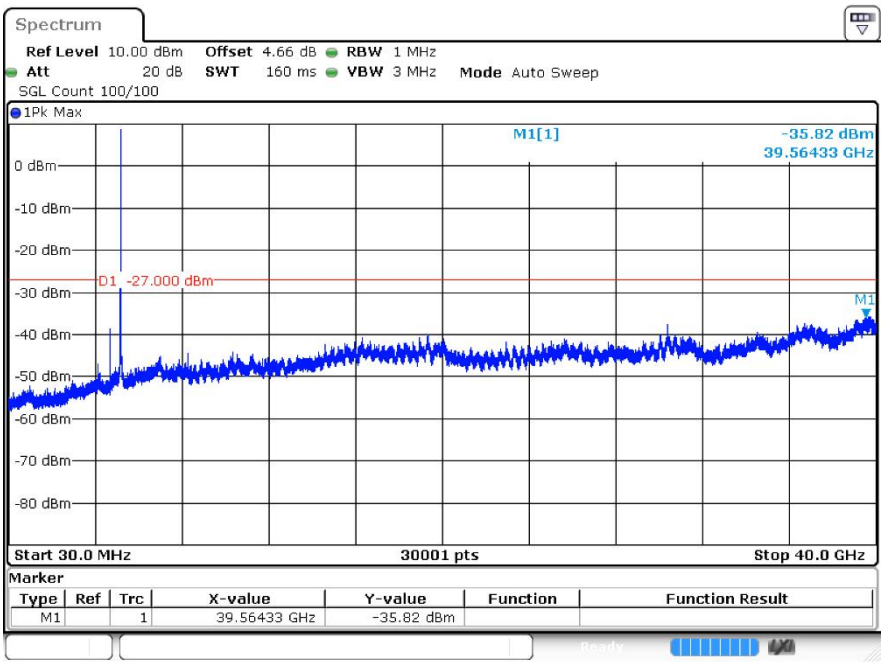
Tx. Spuriousn40 5190MHz Ant1



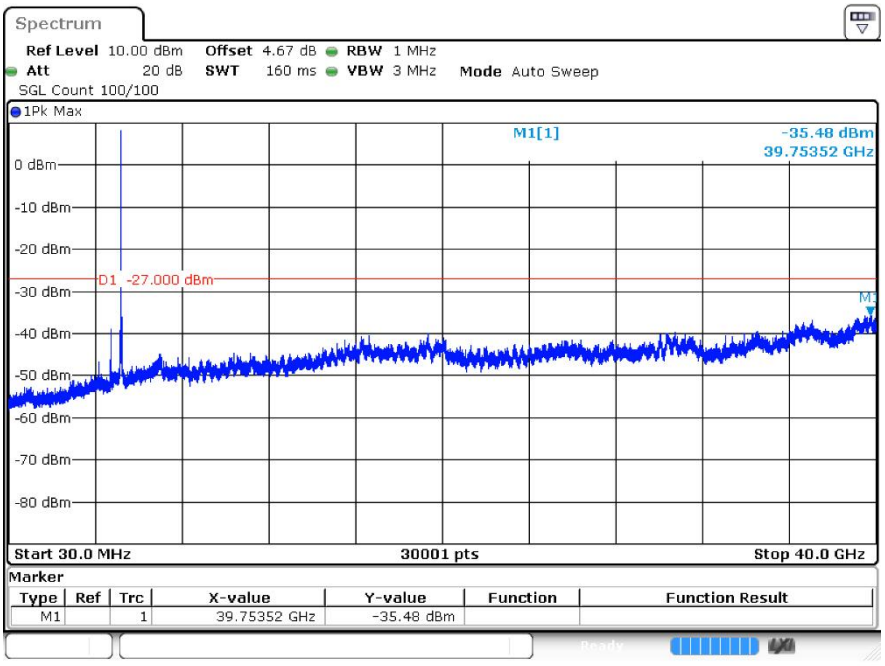
Tx. Spuriousn40 5230MHz Ant1



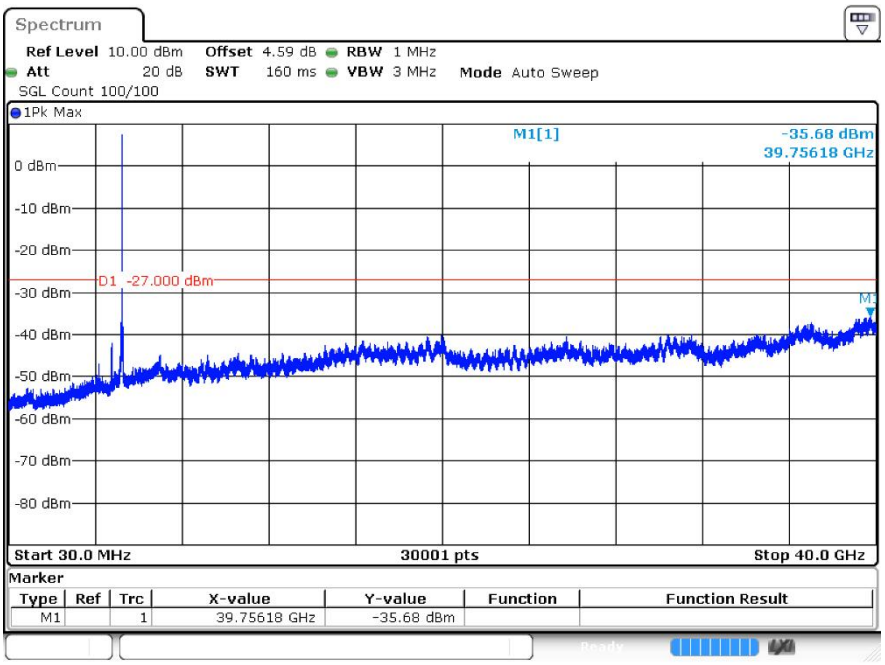
Tx. Spurious ac20 5180MHz Ant1



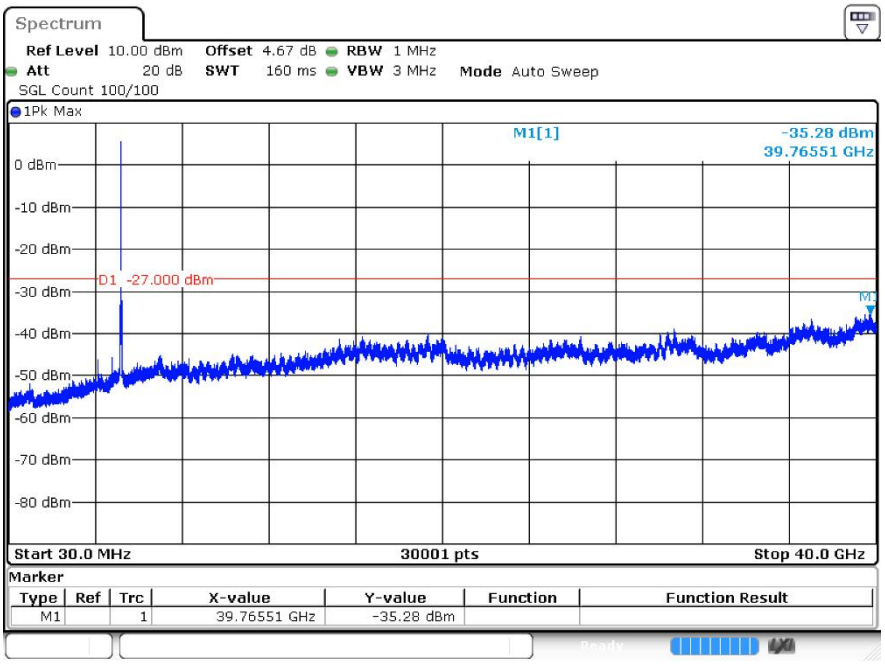
Tx. Spurious ac20 5200MHz Ant1



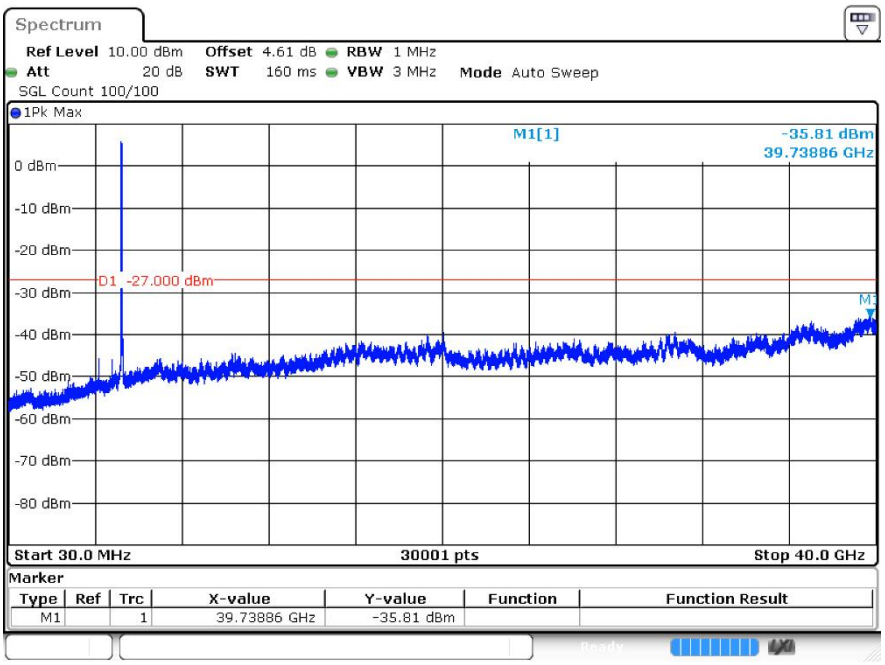
Tx. Spurious ac20 5240MHz Ant1



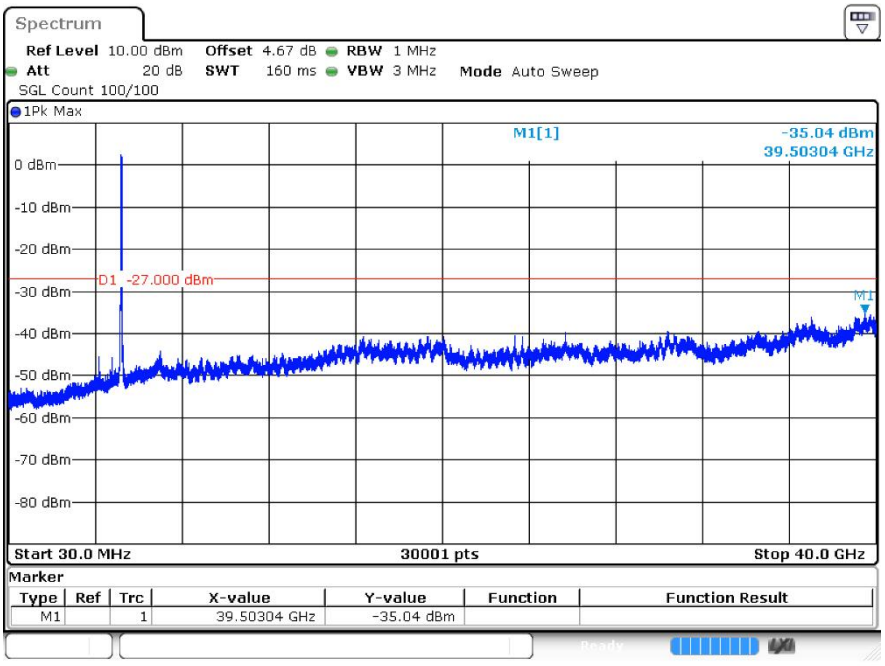
Tx. Spuriousac40 5190MHz Ant1



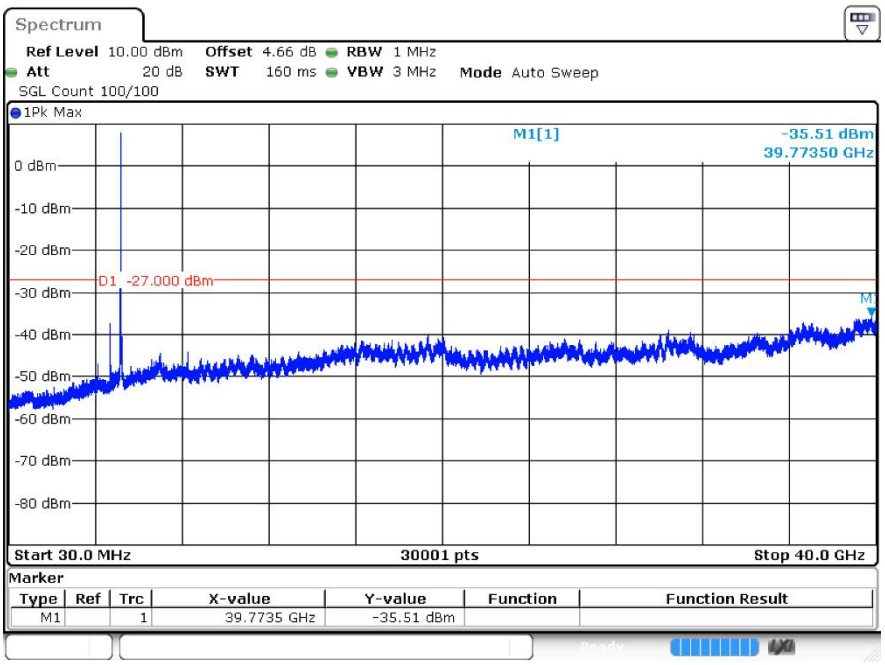
Tx. Spuriousac40 5230MHz Ant1



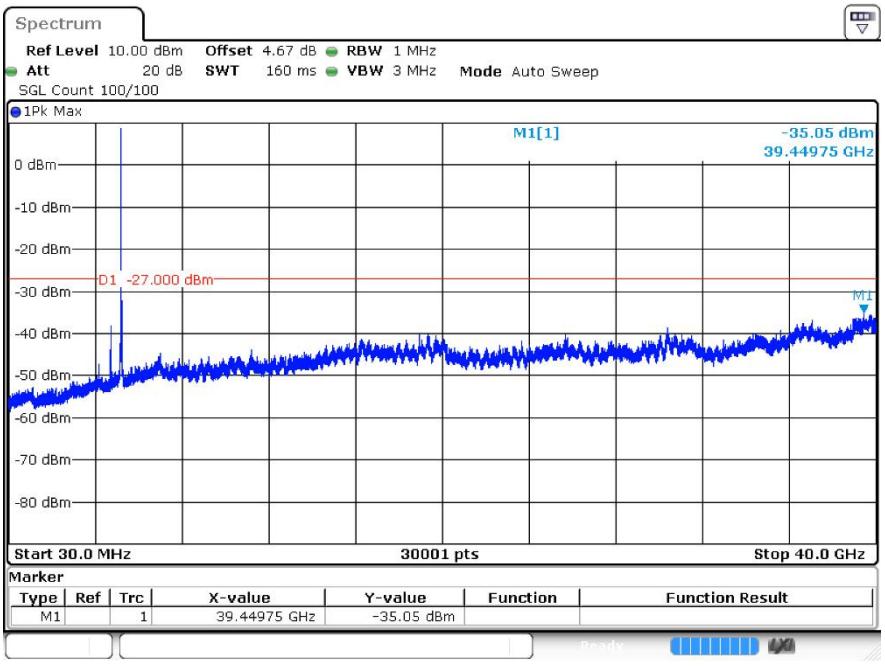
Tx. Spuriousac80 5210MHz Ant1



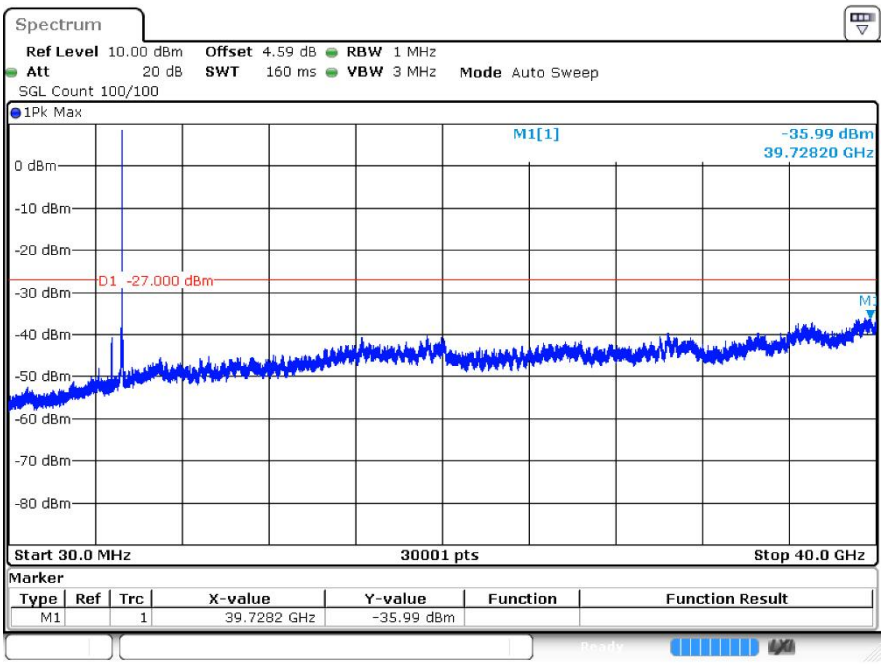
Tx. Spurious ax20 5180MHz Ant1



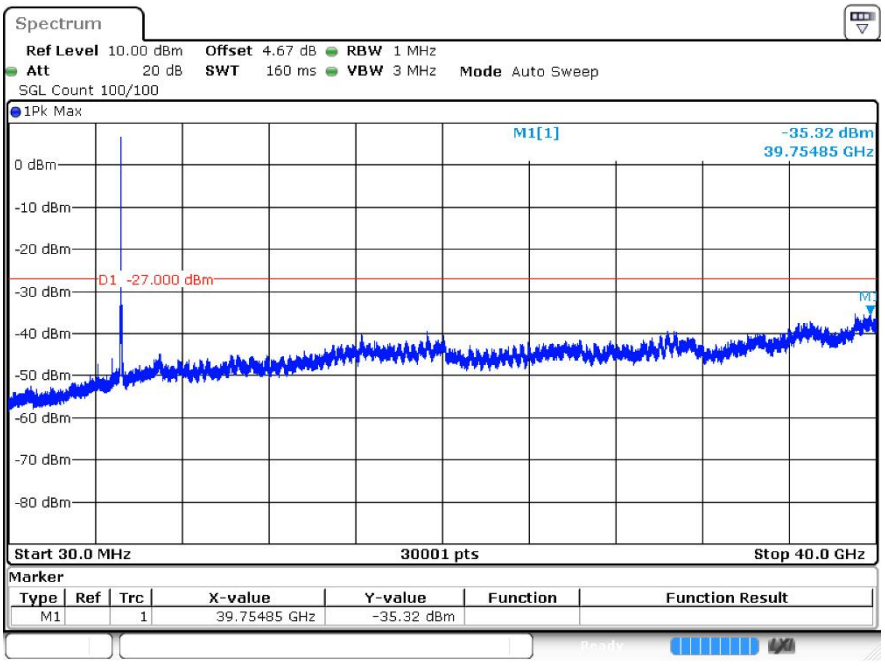
Tx. Spurious ax20 5200MHz Ant1



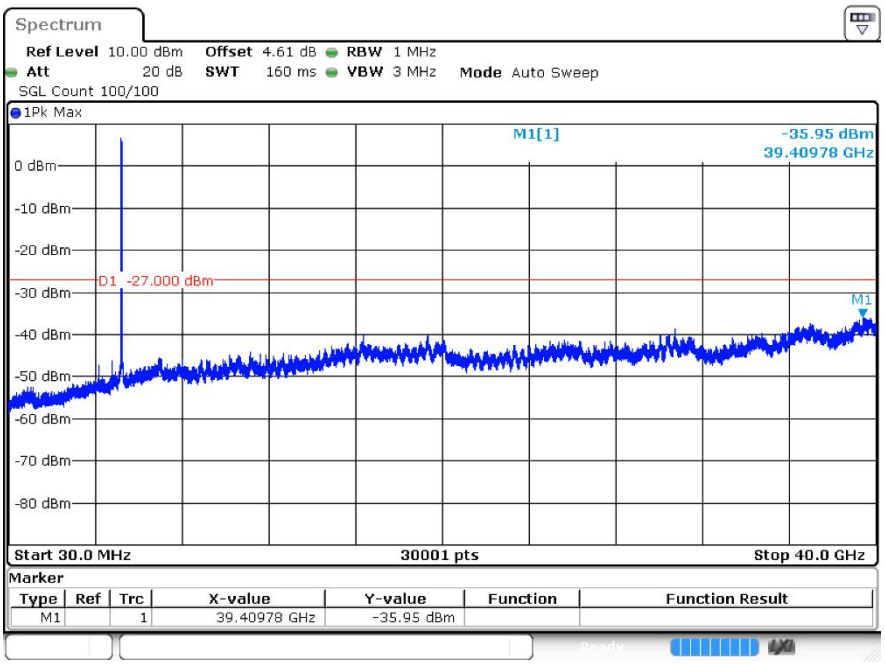
Tx. Spurious ax20 5240MHz Ant1



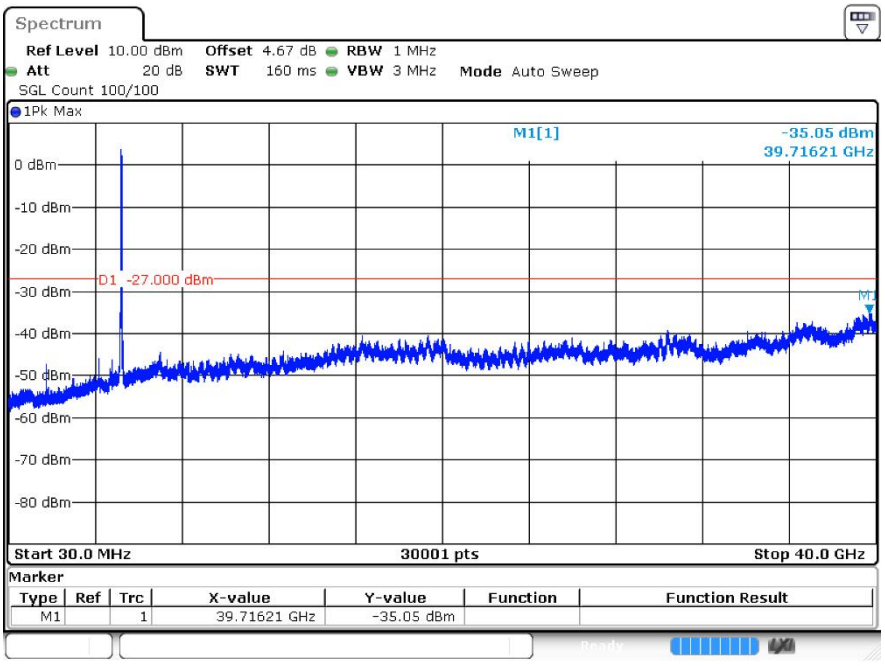
Tx. Spuriousax40 5190MHz Ant1



Tx. Spuriousax40 5230MHz Ant1



Tx. Spuriousax80 5210MHz Ant1



8 Restrict Band

8.1 Test Result

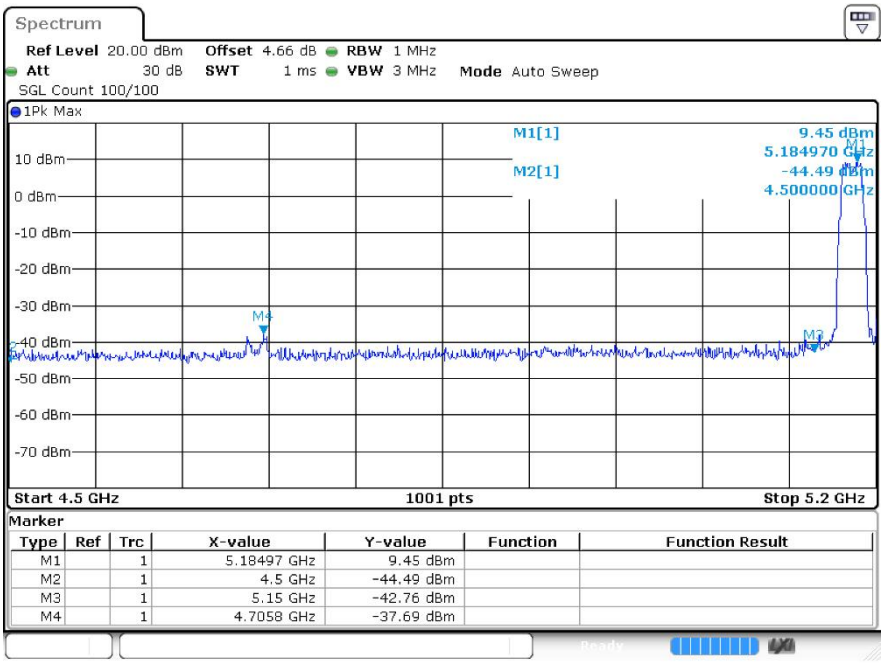
Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
a	5180	Ant1	4500	-44.49	2	52.74	Peak	68.2	Pass
a	5180	Ant1	4500	-54.02	2	43.21	Average	54	Pass
a	5180	Ant1	4705.8	-37.69	2	59.54	Peak	68.2	Pass
a	5180	Ant1	4707.2	-47.77	2	49.46	Average	54	Pass
a	5180	Ant1	5150	-42.75	2	54.48	Peak	68.2	Pass
a	5180	Ant1	5150	-52.04	2	45.19	Average	54	Pass
a	5240	Ant1	5350	-44.64	2	52.59	Peak	68.2	Pass
a	5240	Ant1	5350	-53.33	2	43.9	Average	54	Pass
a	5240	Ant1	5425.44	-40.7	2	56.53	Peak	68.2	Pass
a	5240	Ant1	5448.72	-51.09	2	46.14	Average	54	Pass
a	5240	Ant1	5460	-42.01	2	55.22	Peak	68.2	Pass
a	5240	Ant1	5460	-52.61	2	44.62	Average	54	Pass
n20	5180	Ant1	4500	-44.08	2	53.15	Peak	68.2	Pass
n20	5180	Ant1	4500	-53.87	2	43.36	Average	54	Pass
n20	5180	Ant1	4707.9	-37.79	2	59.44	Peak	68.2	Pass
n20	5180	Ant1	4707.9	-46.87	2	50.36	Average	54	Pass
n20	5180	Ant1	5150	-42.67	2	54.56	Peak	68.2	Pass
n20	5180	Ant1	5150	-52.22	2	45.01	Average	54	Pass
n20	5240	Ant1	5350	-42.28	2	54.95	Peak	68.2	Pass
n20	5240	Ant1	5350	-53.16	2	44.07	Average	54	Pass
n20	5240	Ant1	5448	-39.89	2	57.34	Peak	68.2	Pass
n20	5240	Ant1	5447.28	-50.97	2	46.26	Average	54	Pass
n20	5240	Ant1	5460	-42.33	2	54.9	Peak	68.2	Pass
n20	5240	Ant1	5460	-52.71	2	44.52	Average	54	Pass
n40	5190	Ant1	4500	-43.49	2	53.74	Peak	68.2	Pass
n40	5190	Ant1	4500	-53.79	2	43.44	Average	54	Pass
n40	5190	Ant1	5065.02	-40.19	2	57.04	Peak	68.2	Pass
n40	5190	Ant1	4800.03	-49.27	2	47.96	Average	54	Pass
n40	5190	Ant1	5150	-41.31	2	55.92	Peak	68.2	Pass
n40	5190	Ant1	5150	-51.78	2	45.45	Average	54	Pass
n40	5230	Ant1	5350	-43.18	2	54.05	Peak	68.2	Pass
n40	5230	Ant1	5350	-53.19	2	44.04	Average	54	Pass
n40	5230	Ant1	5448.12	-40.59	2	56.64	Peak	68.2	Pass
n40	5230	Ant1	5448.12	-50.86	2	46.37	Average	54	Pass
n40	5230	Ant1	5460	-42.62	2	54.61	Peak	68.2	Pass
n40	5230	Ant1	5460	-52.42	2	44.81	Average	54	Pass

ac20	5180	Ant1	4500	-43.29	2	53.94	Peak	68.2	Pass
ac20	5180	Ant1	4500	-53.95	2	43.28	Average	54	Pass
ac20	5180	Ant1	4707.9	-37.25	2	59.98	Peak	68.2	Pass
ac20	5180	Ant1	4707.9	-46.68	2	50.55	Average	54	Pass
ac20	5180	Ant1	5150	-38.22	2	59.01	Peak	68.2	Pass
ac20	5180	Ant1	5150	-52.45	2	44.78	Average	54	Pass
ac20	5240	Ant1	5350	-44	2	53.23	Peak	68.2	Pass
ac20	5240	Ant1	5350	-53.19	2	44.04	Average	54	Pass
ac20	5240	Ant1	5428.56	-40.22	2	57.01	Peak	68.2	Pass
ac20	5240	Ant1	5447.04	-51	2	46.23	Average	54	Pass
ac20	5240	Ant1	5460	-44.12	2	53.11	Peak	68.2	Pass
ac20	5240	Ant1	5460	-52.67	2	44.56	Average	54	Pass
ac40	5190	Ant1	4500	-43.45	2	53.78	Peak	68.2	Pass
ac40	5190	Ant1	4500	-53.79	2	43.44	Average	54	Pass
ac40	5190	Ant1	5140.94	-39.74	2	57.49	Peak	68.2	Pass
ac40	5190	Ant1	4800.03	-49.25	2	47.98	Average	54	Pass
ac40	5190	Ant1	5150	-42.35	2	54.88	Peak	68.2	Pass
ac40	5190	Ant1	5150	-51.72	2	45.51	Average	54	Pass
ac40	5230	Ant1	5350	-43.86	2	53.37	Peak	68.2	Pass
ac40	5230	Ant1	5350	-53.17	2	44.06	Average	54	Pass
ac40	5230	Ant1	5404.92	-40.22	2	57.01	Peak	68.2	Pass
ac40	5230	Ant1	5447.58	-50.93	2	46.3	Average	54	Pass
ac40	5230	Ant1	5460	-40.56	2	56.67	Peak	68.2	Pass
ac40	5230	Ant1	5460	-52.37	2	44.86	Average	54	Pass
ac80	5210	Ant1	4500	-43.23	2	54	Peak	68.2	Pass
ac80	5210	Ant1	4500	-53.85	2	43.38	Average	54	Pass
ac80	5210	Ant1	4800.2	-40.2	2	57.03	Peak	68.2	Pass
ac80	5210	Ant1	4800.2	-49.2	2	48.03	Average	54	Pass
ac80	5210	Ant1	5150	-42.11	2	55.12	Peak	68.2	Pass
ac80	5210	Ant1	5150	-51.38	2	45.85	Average	54	Pass
ax20	5180	Ant1	4500	-44.85	2	52.38	Peak	68.2	Pass
ax20	5180	Ant1	4500	-54.04	2	43.19	Average	54	Pass
ax20	5180	Ant1	4708.6	-36.51	2	60.72	Peak	68.2	Pass
ax20	5180	Ant1	4708.6	-46.38	2	50.85	Average	54	Pass
ax20	5180	Ant1	5150	-42.35	2	54.88	Peak	68.2	Pass
ax20	5180	Ant1	5150	-52.23	2	45	Average	54	Pass
ax20	5240	Ant1	5350	-42.57	2	54.66	Peak	68.2	Pass
ax20	5240	Ant1	5350	-53.19	2	44.04	Average	54	Pass
ax20	5240	Ant1	5451.36	-40.04	2	57.19	Peak	68.2	Pass
ax20	5240	Ant1	5447.28	-50.96	2	46.27	Average	54	Pass
ax20	5240	Ant1	5460	-43.47	2	53.76	Peak	68.2	Pass
ax20	5240	Ant1	5460	-52.7	2	44.53	Average	54	Pass
ax40	5190	Ant1	4500	-44.42	2	52.81	Peak	68.2	Pass

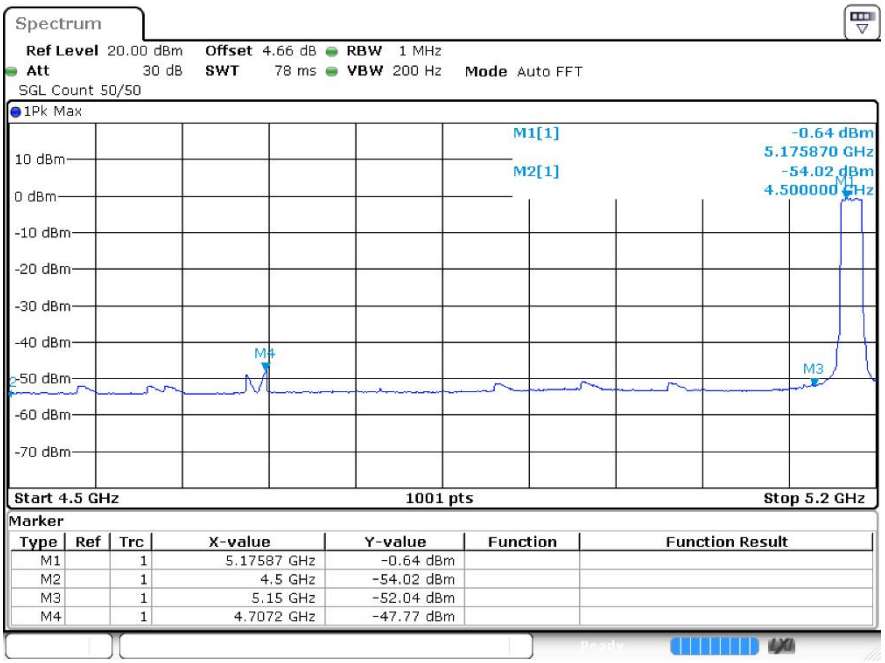
ax40	5190	Ant1	4500	-53.96	2	43.27	Average	54	Pass
ax40	5190	Ant1	4994.94	-40.28	2	56.95	Peak	68.2	Pass
ax40	5190	Ant1	4800.03	-49.33	2	47.9	Average	54	Pass
ax40	5190	Ant1	5150	-42.29	2	54.94	Peak	68.2	Pass
ax40	5190	Ant1	5150	-52.12	2	45.11	Average	54	Pass
ax40	5230	Ant1	5350	-42.98	2	54.25	Peak	68.2	Pass
ax40	5230	Ant1	5350	-53.08	2	44.15	Average	54	Pass
ax40	5230	Ant1	5450.55	-39.69	2	57.54	Peak	68.2	Pass
ax40	5230	Ant1	5447.31	-50.94	2	46.29	Average	54	Pass
ax40	5230	Ant1	5460	-42.79	2	54.44	Peak	68.2	Pass
ax40	5230	Ant1	5460	-52.53	2	44.7	Average	54	Pass
ax80	5210	Ant1	4500	-43.01	2	54.22	Peak	68.2	Pass
ax80	5210	Ant1	4500	-53.97	2	43.26	Average	54	Pass
ax80	5210	Ant1	5145.43	-40.06	2	57.17	Peak	68.2	Pass
ax80	5210	Ant1	4800.2	-49.2	2	48.03	Average	54	Pass
ax80	5210	Ant1	5150	-42	2	55.23	Peak	68.2	Pass
ax80	5210	Ant1	5150	-51.75	2	45.48	Average	54	Pass

8.2 Test Graphs

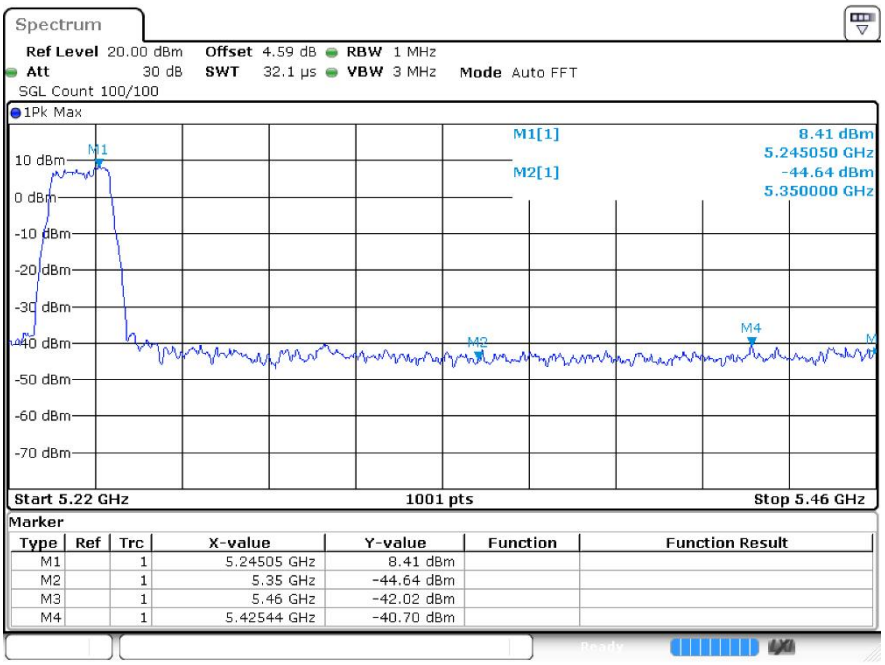
Test Graphs
Restrict Banda 5180MHz Ant1 Peak



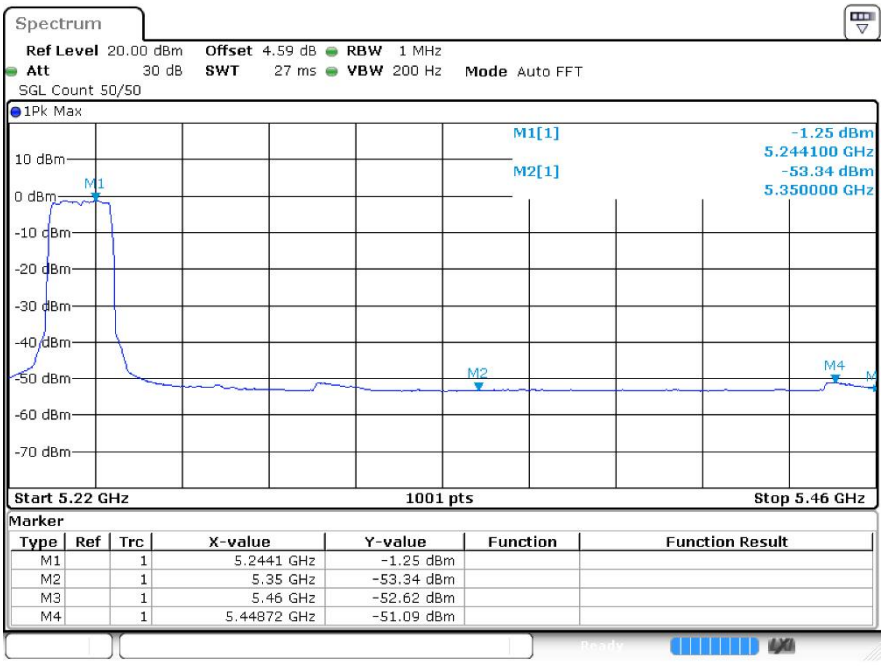
Restrict Band a 5180MHz Ant1 Average



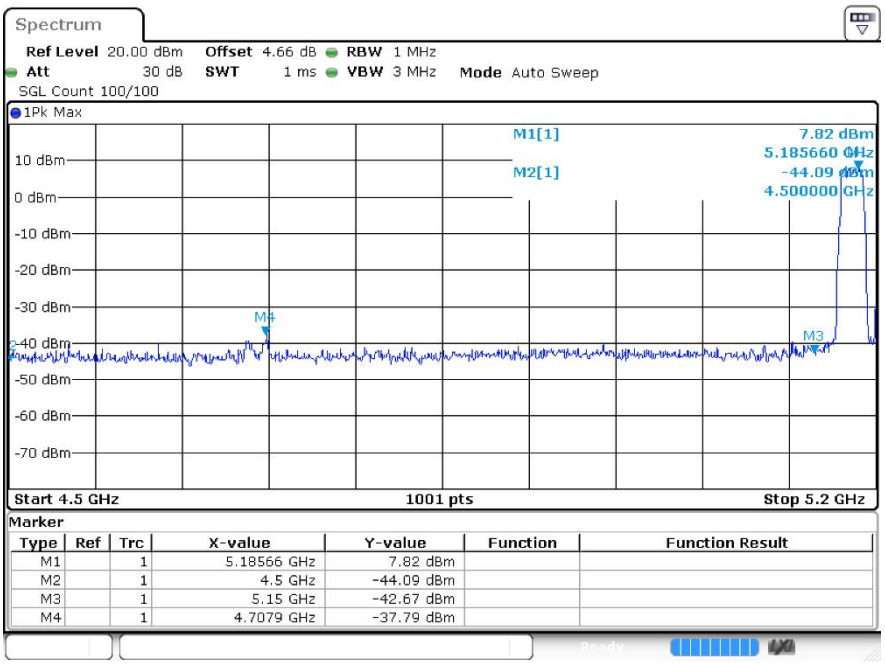
Restrict Banda 5240MHz Ant1 Peak



Restrict Band a 5240MHz Ant1 Average



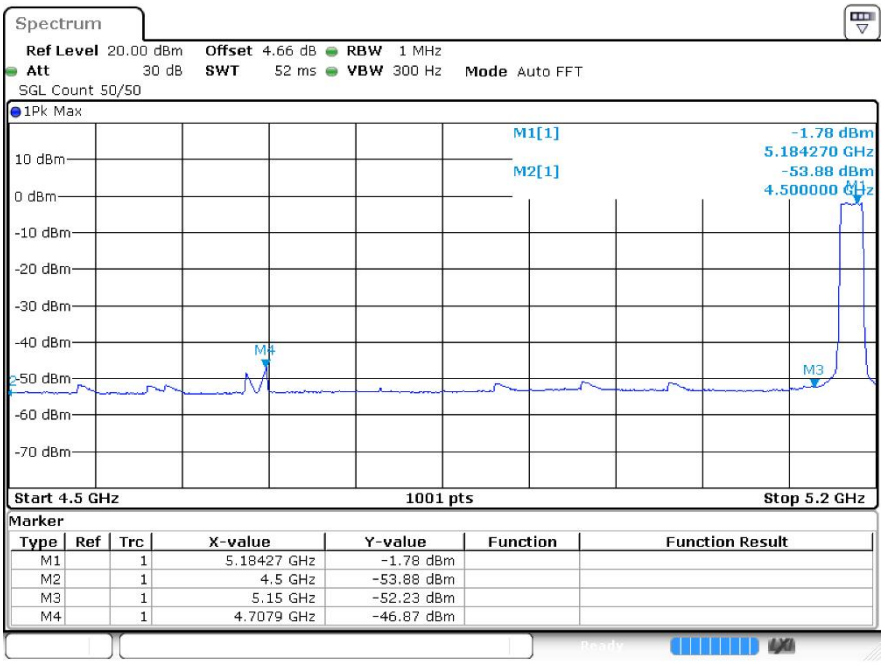
Restrict Bandn20 5180MHz Ant1 Peak



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.18566 GHz	7.82 dBm		
M2		1	4.5 GHz	-44.09 dBm		
M3		1	5.15 GHz	-42.67 dBm		
M4		1	4.7079 GHz	-37.79 dBm		

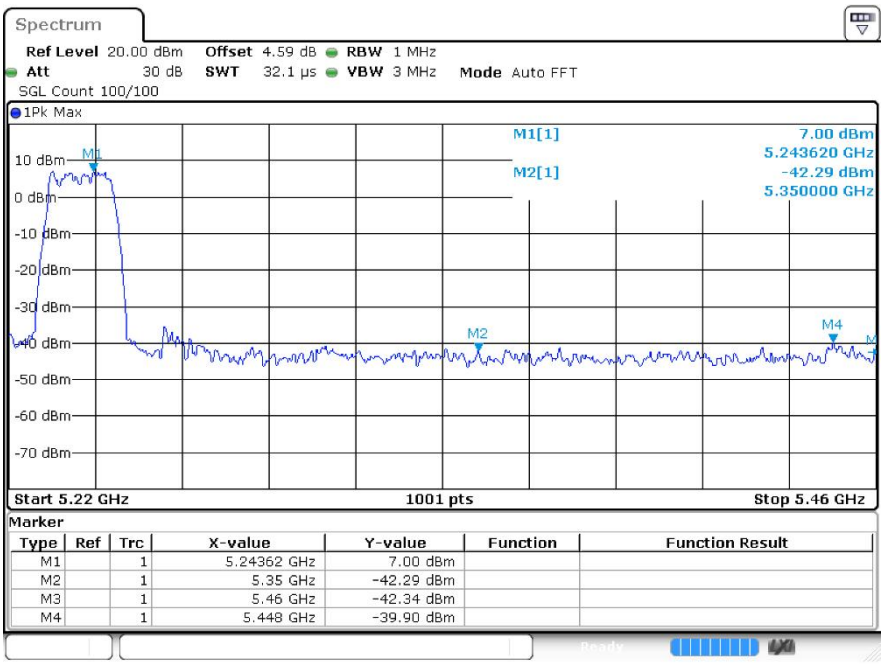
Restrict Band n20 5180MHz Ant1 Average



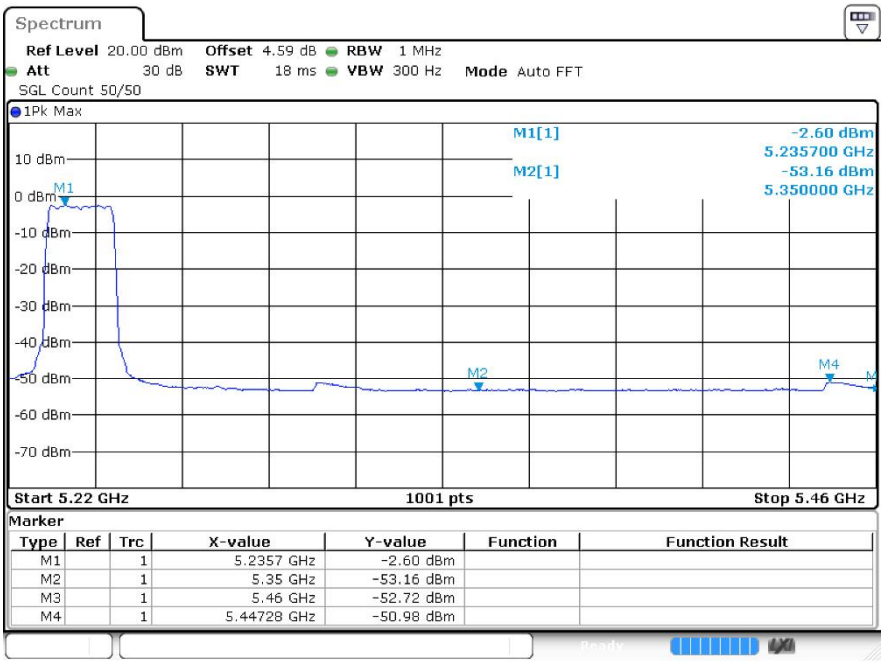
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.18427 GHz	-1.78 dBm		
M2		1	4.5 GHz	-53.88 dBm		
M3		1	5.15 GHz	-52.23 dBm		
M4		1	4.7079 GHz	-46.87 dBm		

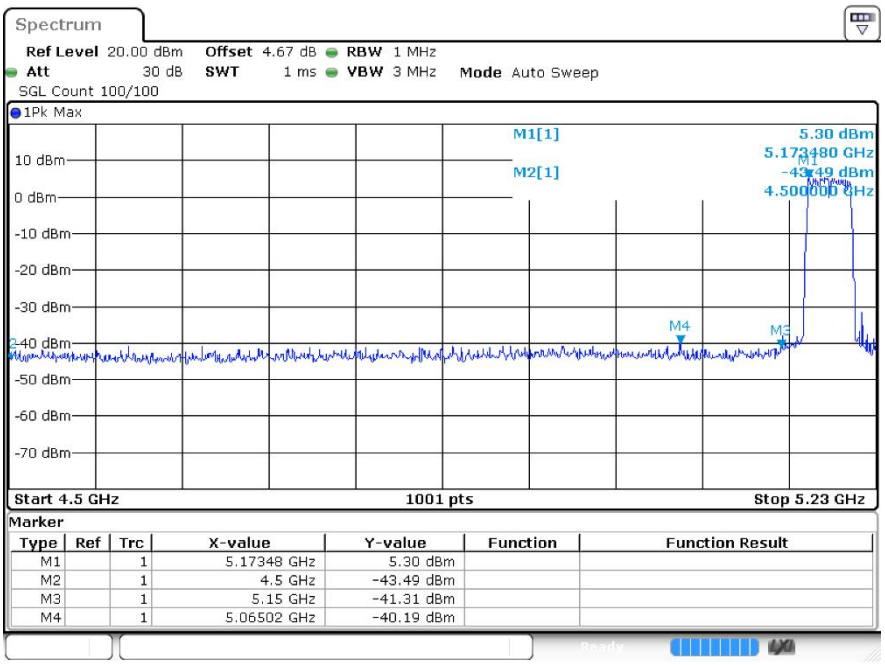
Restrict Bandn20 5240MHz Ant1 Peak



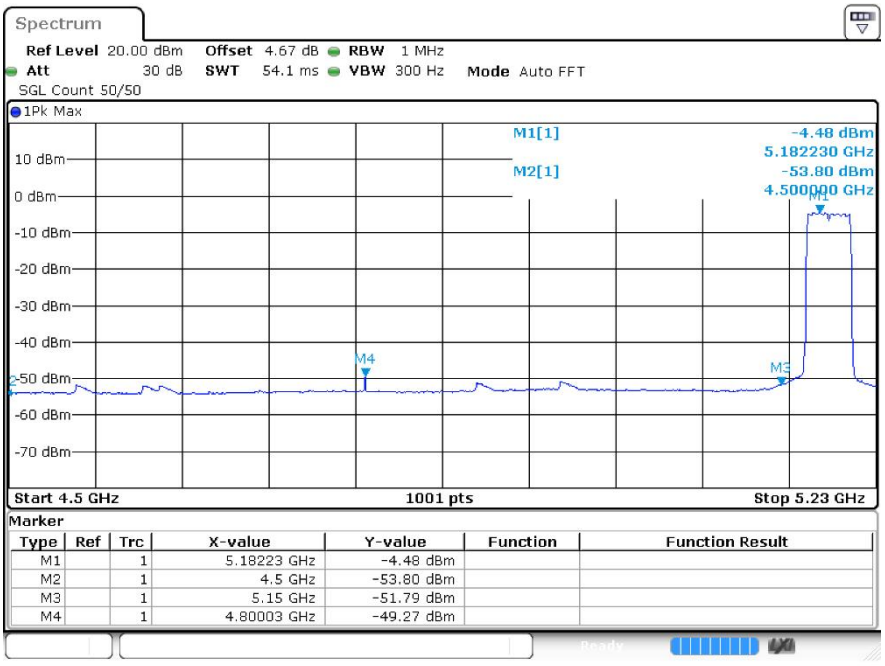
Restrict Band n20 5240MHz Ant1 Average



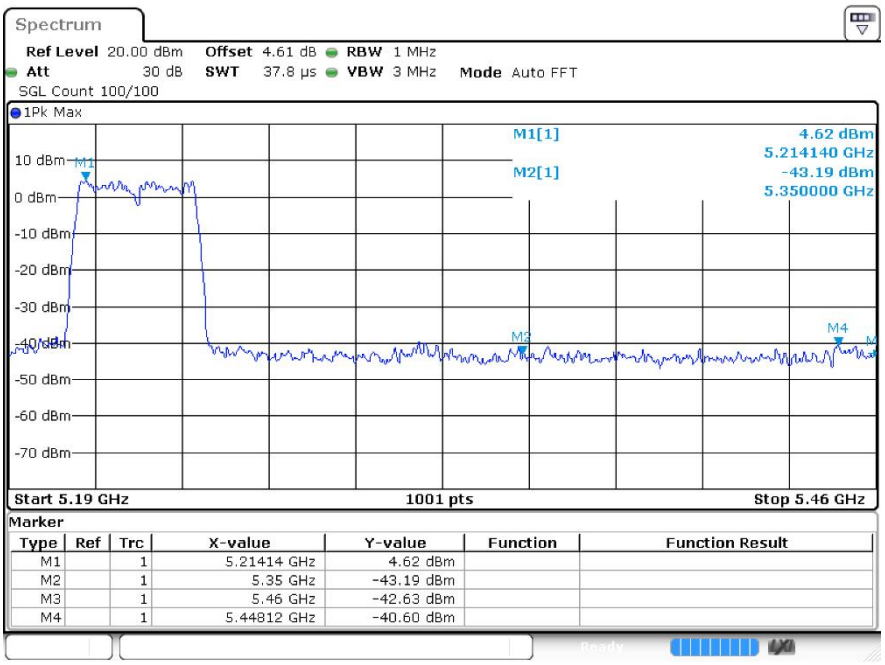
Restrict Bandn40 5190MHz Ant1 Peak



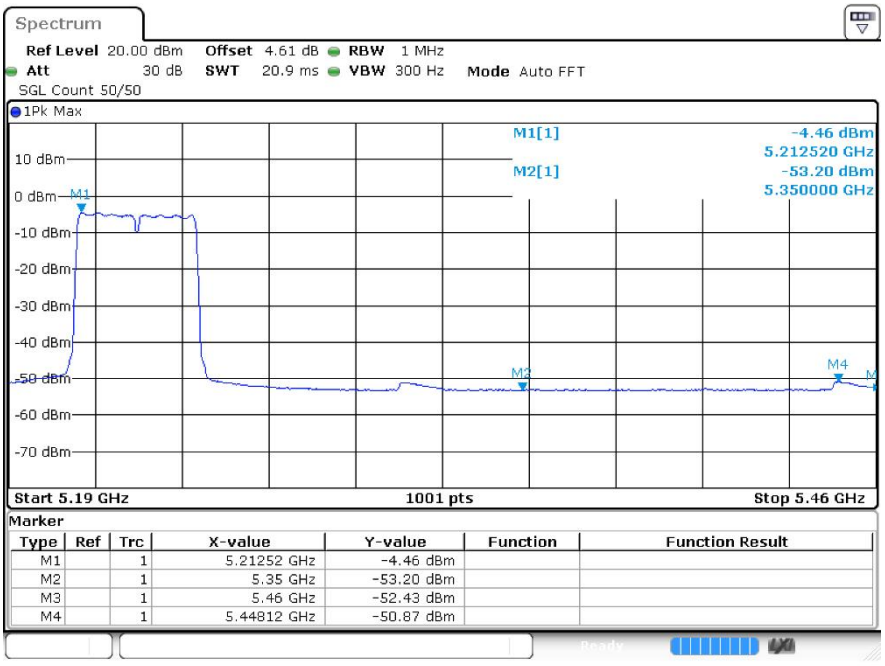
Restrict Band n40 5190MHz Ant1 Average



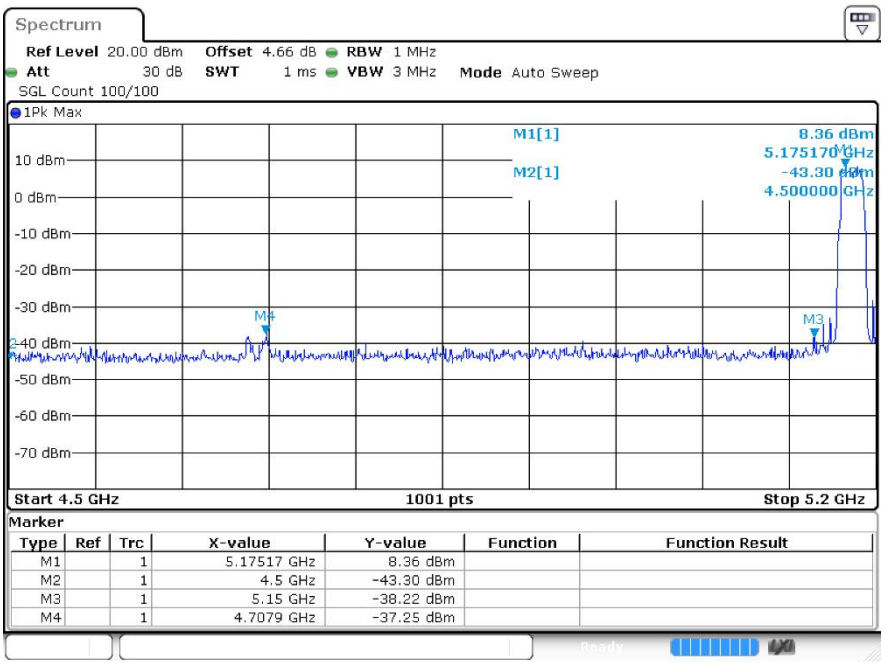
Restrict Bandn40 5230MHz Ant1 Peak



Restrict Band n40 5230MHz Ant1 Average



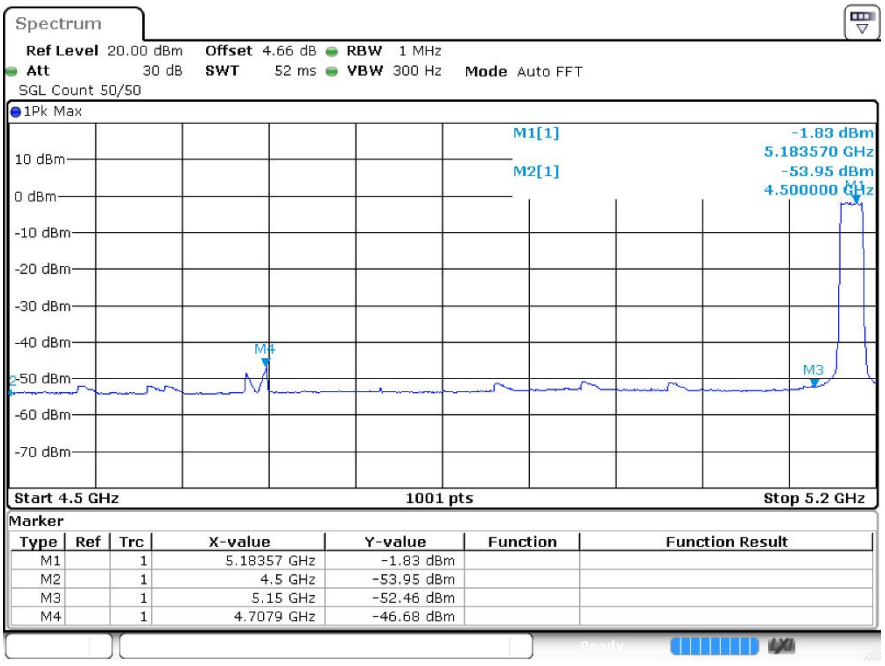
Restrict Bandac20 5180MHz Ant1 Peak



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.17517 GHz	8.36 dBm		
M2		1	4.5 GHz	-43.30 dBm		
M3		1	5.15 GHz	-38.22 dBm		
M4		1	4.7079 GHz	-37.25 dBm		

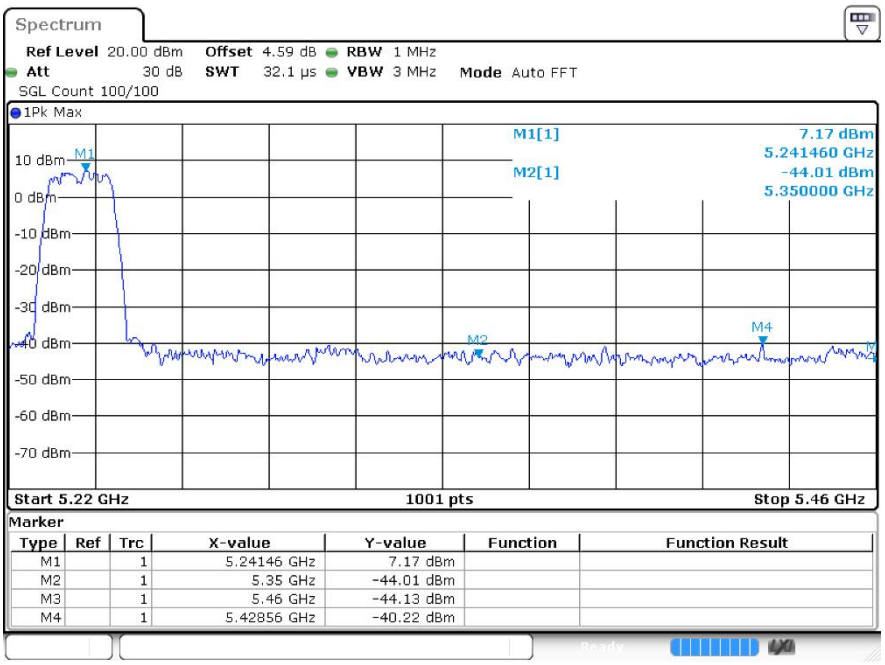
Restrict Band ac20 5180MHz Ant1 Average



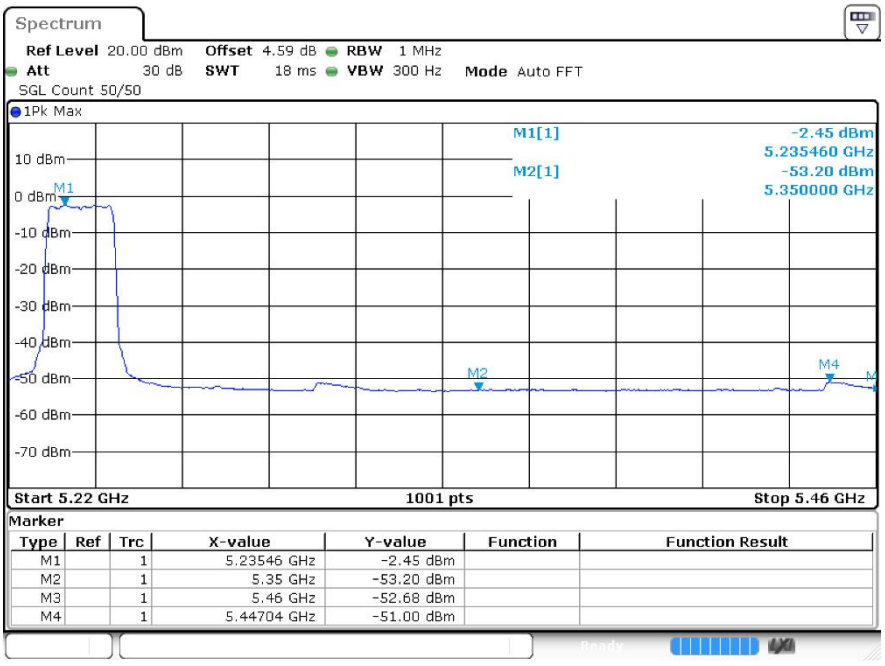
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.18357 GHz	-1.83 dBm		
M2		1	4.5 GHz	-53.95 dBm		
M3		1	5.15 GHz	-52.46 dBm		
M4		1	4.7079 GHz	-46.68 dBm		

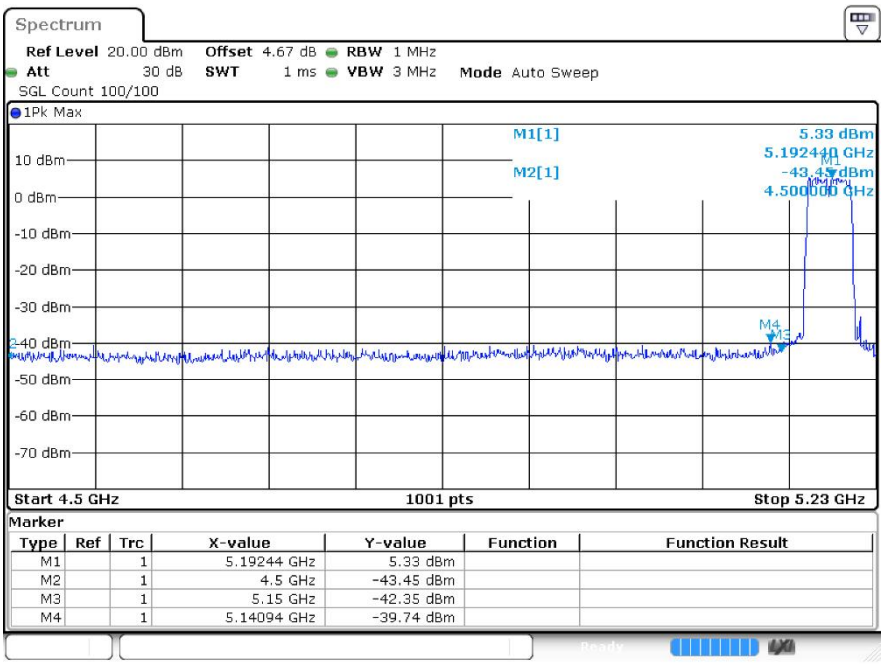
Restrict Bandac20 5240MHz Ant1 Peak



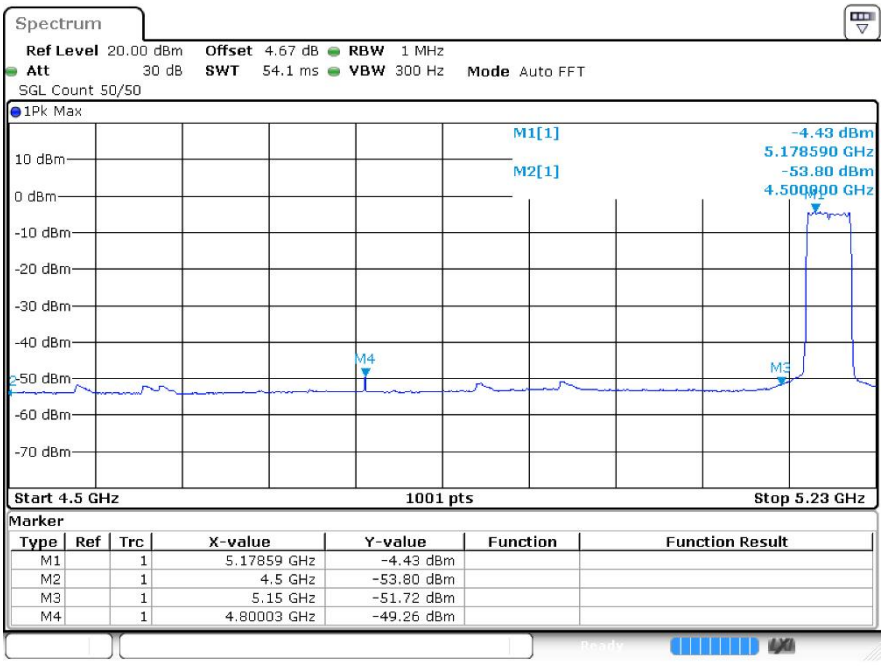
Restrict Band ac20 5240MHz Ant1 Average



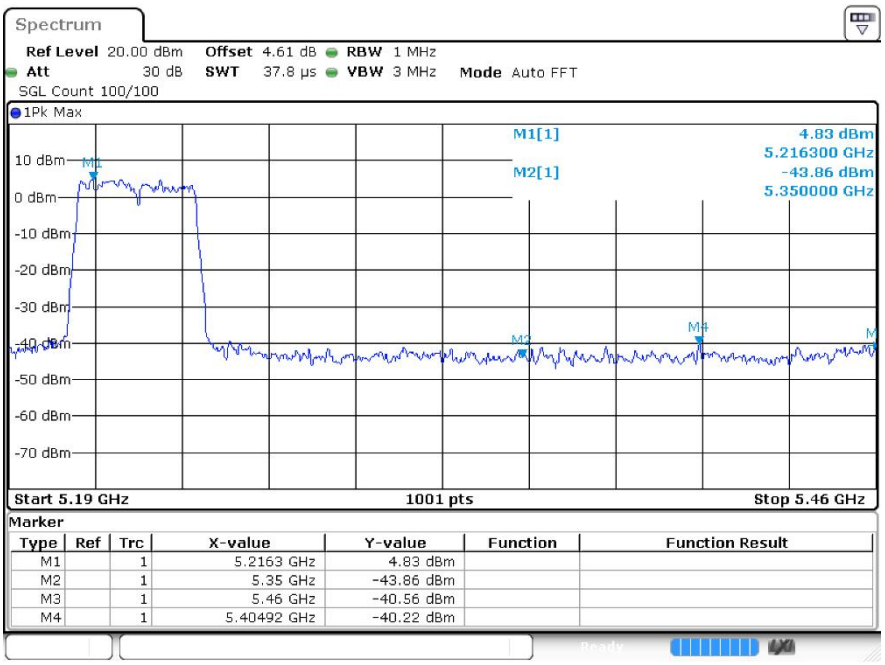
Restrict Bandac40 5190MHz Ant1 Peak



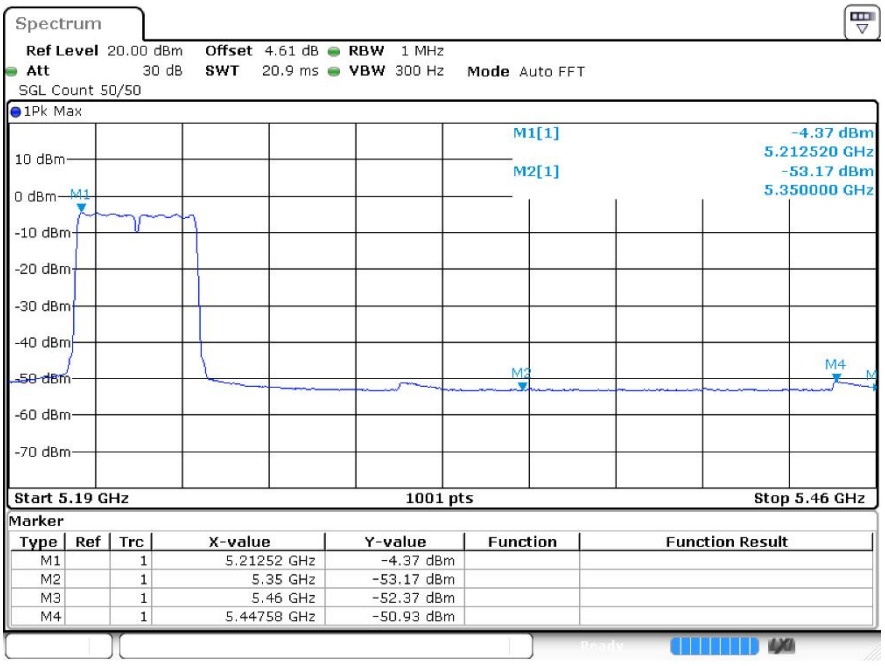
Restrict Band ac40 5190MHz Ant1 Average



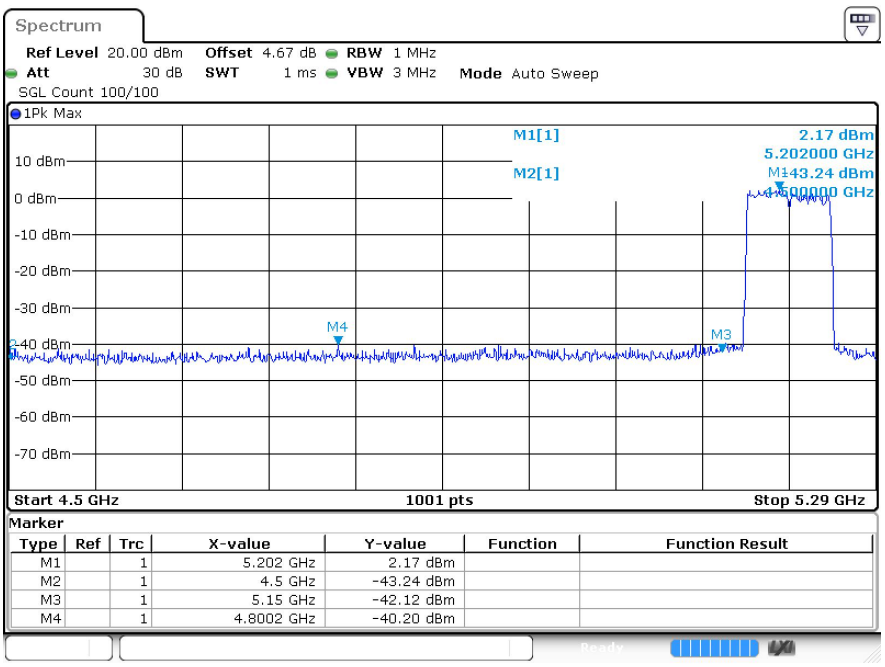
Restrict Bandac40 5230MHz Ant1 Peak



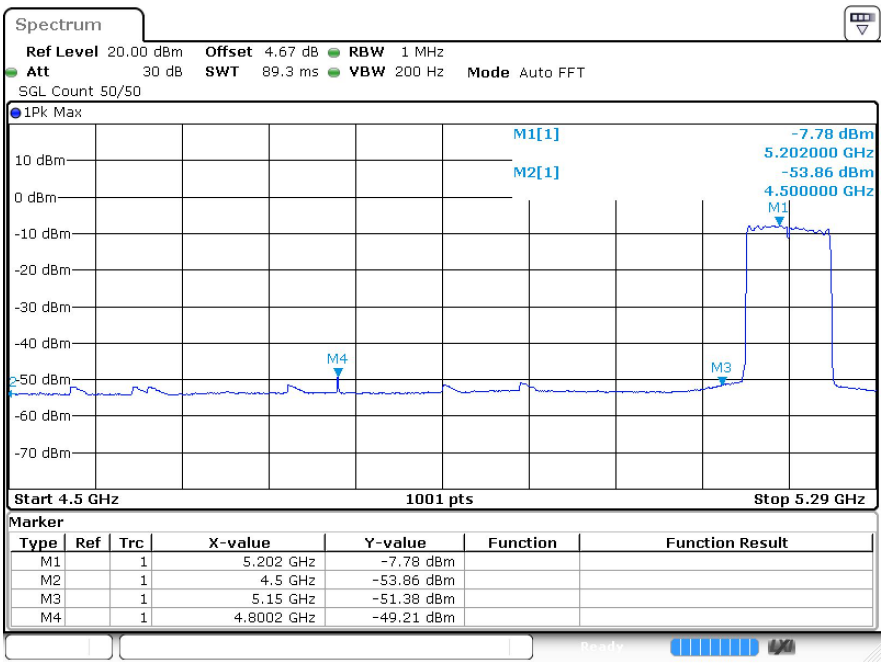
Restrict Band ac40 5230MHz Ant1 Average



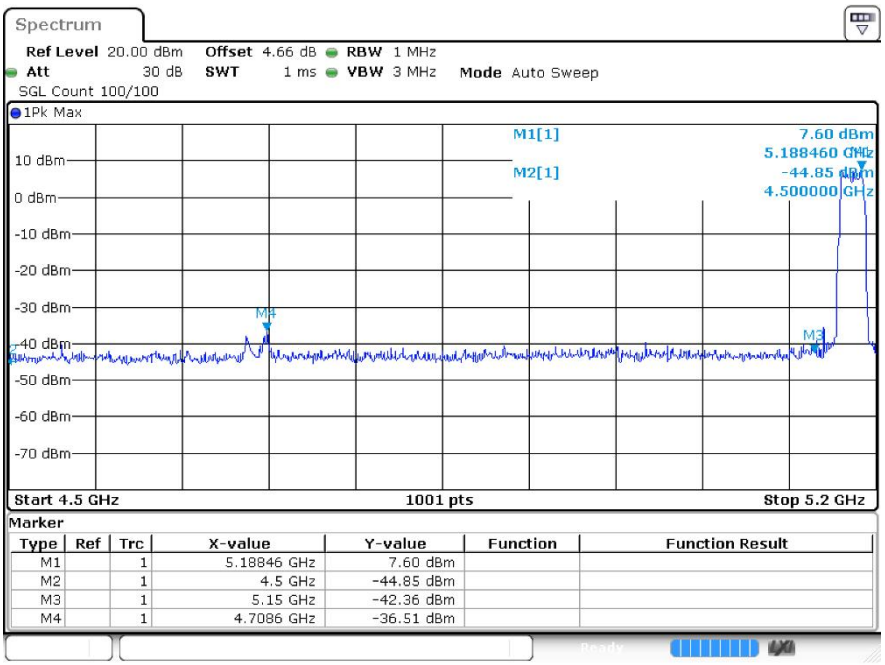
Restrict Bandac80 5230MHz Ant1 Peak



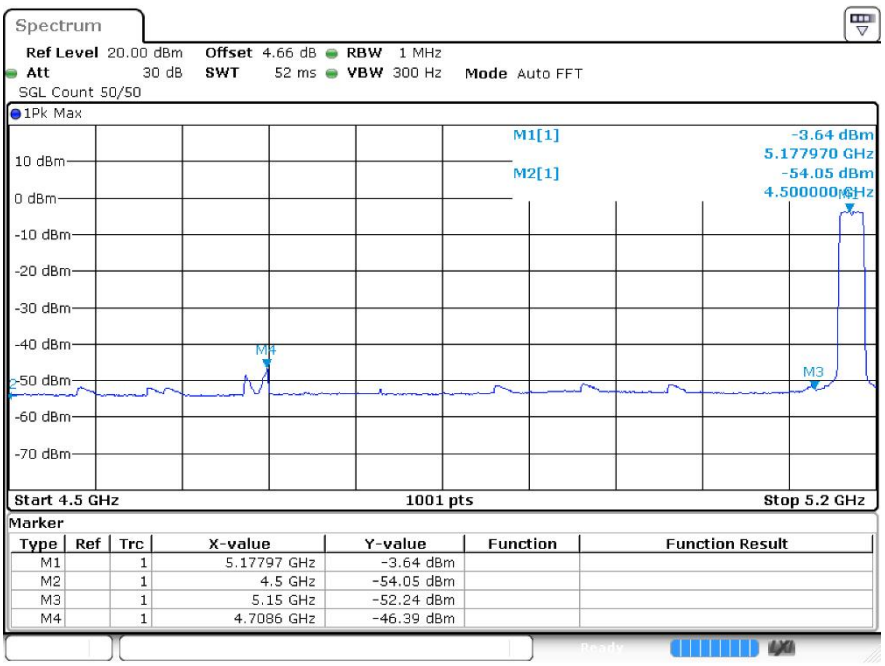
Restrict Band ac80 5230MHz Ant1 Average



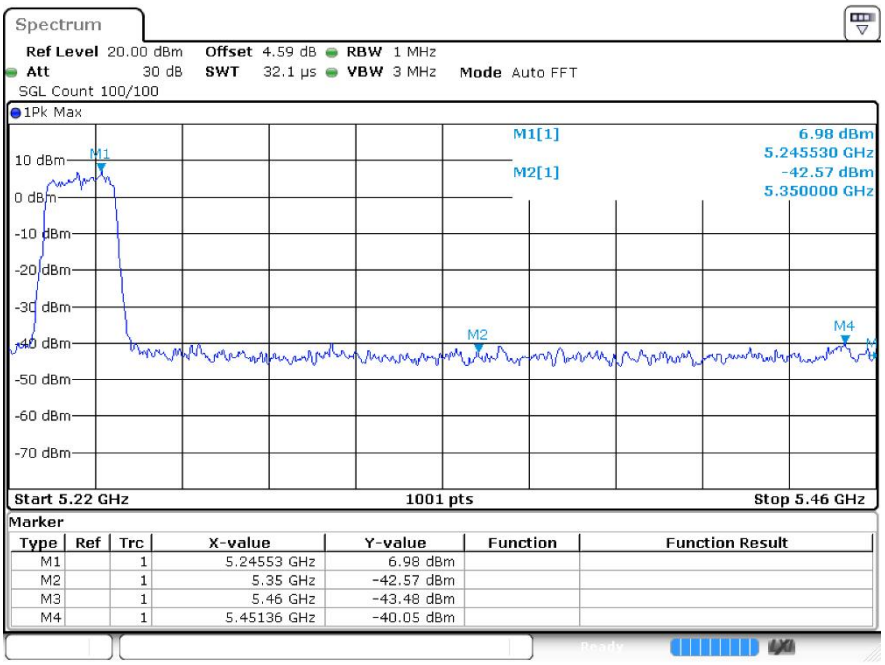
Restrict Bandax20 5180MHz Ant1 Peak



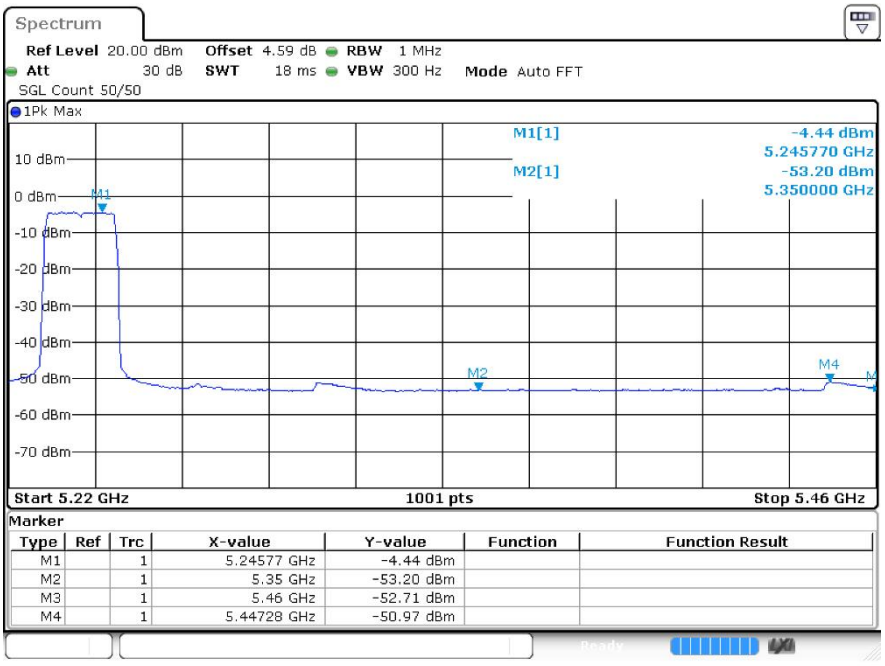
Restrict Band ax20 5180MHz Ant1 Average



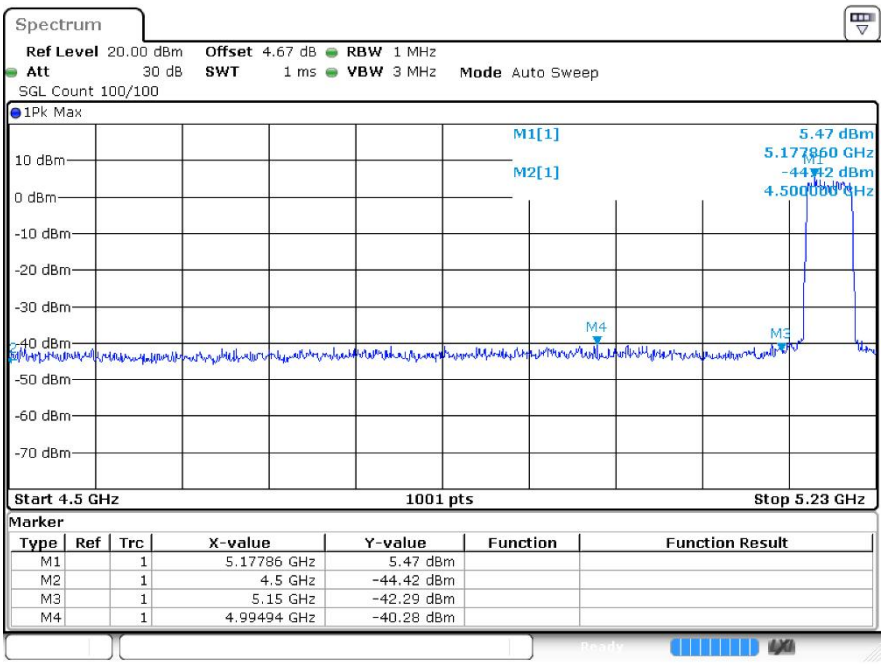
Restrict Bandax20 5240MHz Ant1 Peak



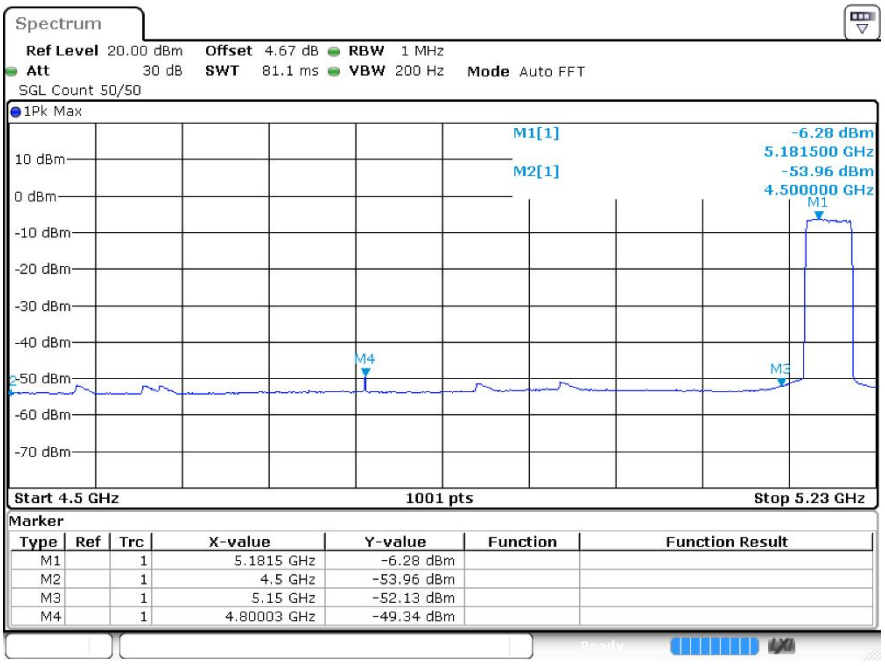
Restrict Band ax20 5240MHz Ant1 Average



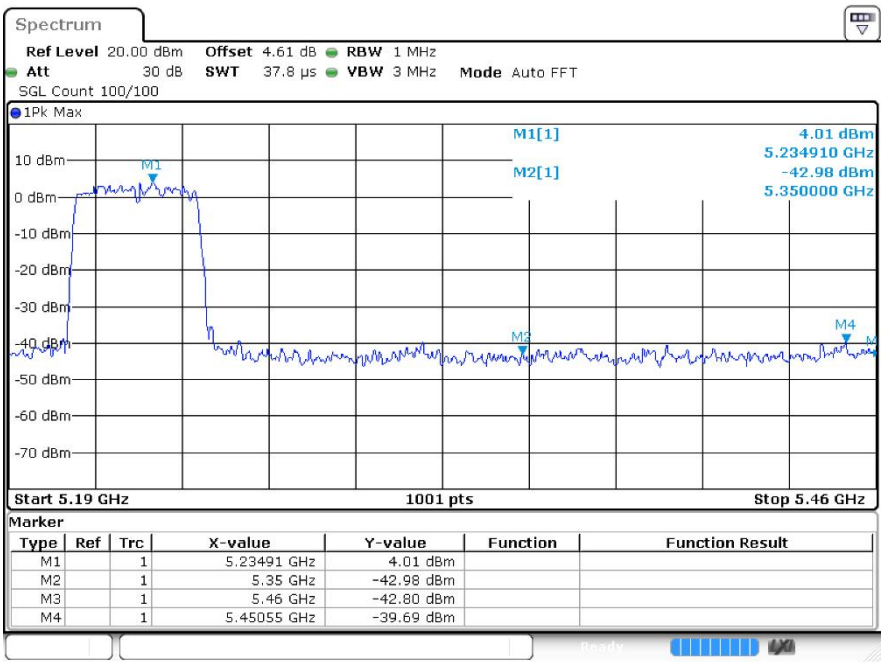
Restrict Bandax40 5190MHz Ant1 Peak



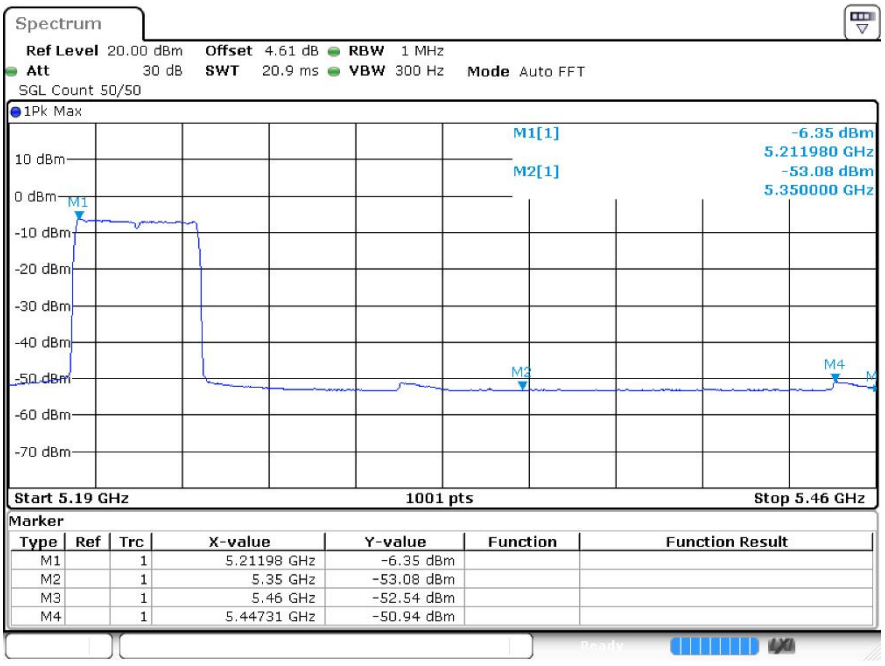
Restrict Band ax40 5190MHz Ant1 Average



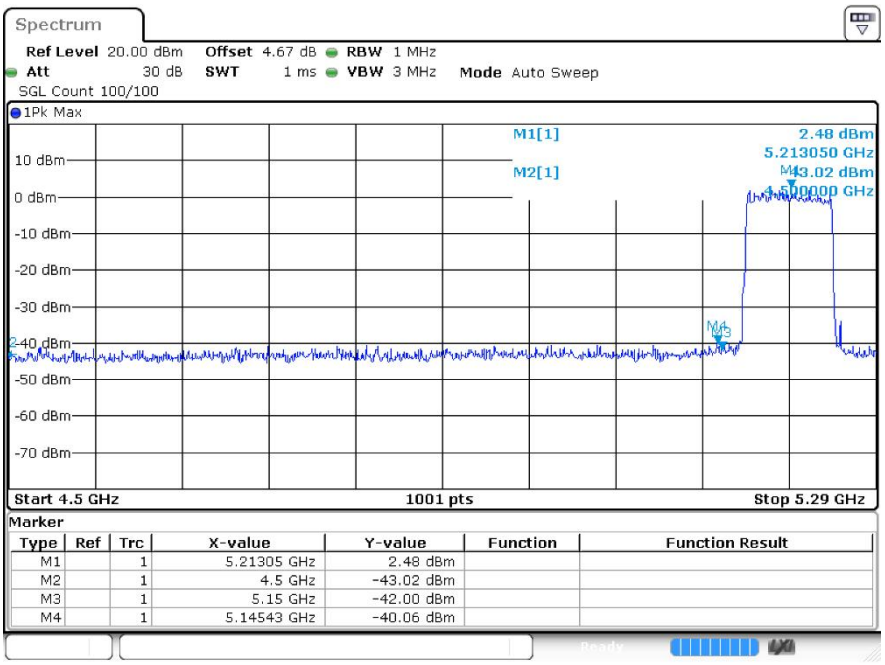
Restrict Bandax40 5230MHz Ant1 Peak



Restrict Band ax40 5230MHz Ant1 Average



Restrict Bandax80 5210MHz Ant1 Peak



Restrict Band ax80 5210MHz Ant1 Average