Appendix D

RF Test Data for B1WIFI(Conducted Measurement)

Product Name: Mini PC

Trade Mark: Blackview

Test Model: MP80

Environmental Conditions

Temperature:	25.8° C
Relative Humidity:	52.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen

Contents

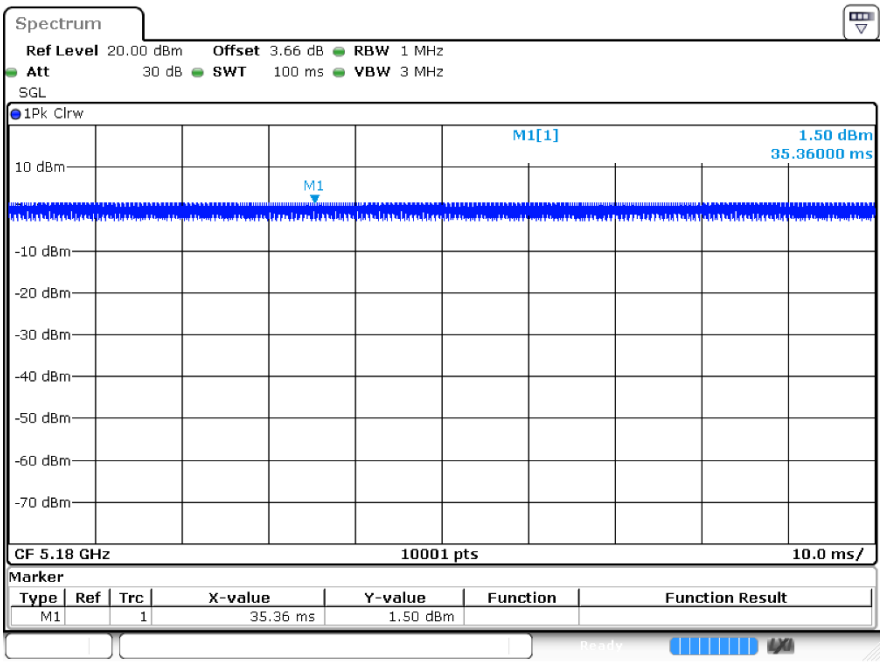
1 Duty Cycle

1.1 Test Result

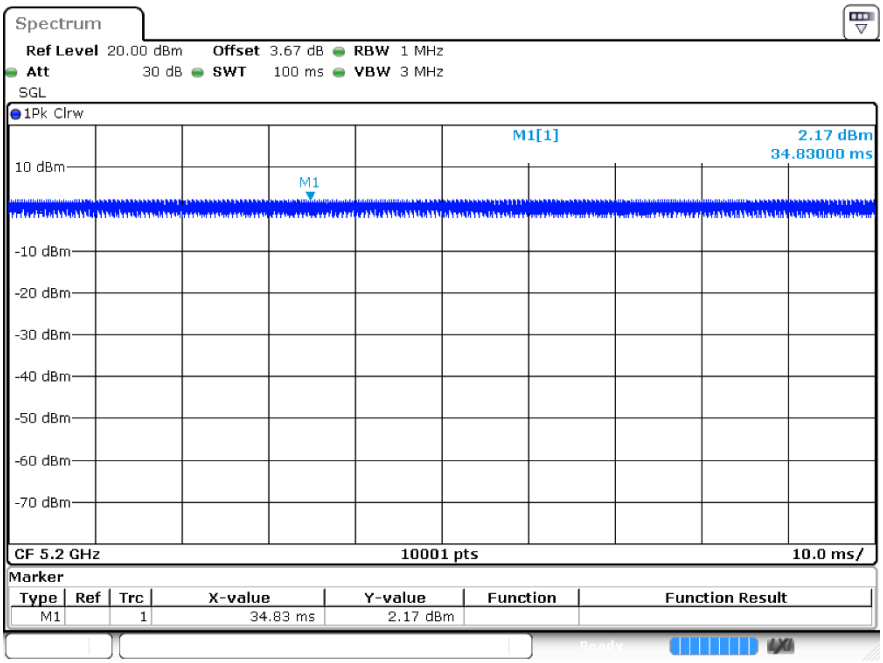
Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
a	5180	Ant1	100	0	0
a	5200	Ant1	100	0	0
a	5240	Ant1	100	0	0
a	5180	Ant2	100	0	0
a	5200	Ant2	100	0	0
a	5240	Ant2	100	0	0
n20	5180	Ant1	100	0	0
n20	5200	Ant1	100	0	0
n20	5240	Ant1	100	0	0
n20	5180	Ant2	100	0	0
n20	5200	Ant2	100	0	0
n20	5240	Ant2	100	0	0
n40	5190	Ant1	100	0	0
n40	5230	Ant1	100	0	0
n40	5190	Ant2	100	0	0
n40	5230	Ant2	100	0	0
ac20	5180	Ant1	100	0	0
ac20	5200	Ant1	100	0	0
ac20	5240	Ant1	100	0	0
ac20	5180	Ant2	100	0	0
ac20	5200	Ant2	100	0	0
ac20	5240	Ant2	100	0	0
ac40	5190	Ant1	100	0	0
ac40	5230	Ant1	100	0	0
ac40	5190	Ant2	100	0	0
ac40	5230	Ant2	100	0	0
ac80	5210	Ant1	100	0	0

1.2 Test Graphs

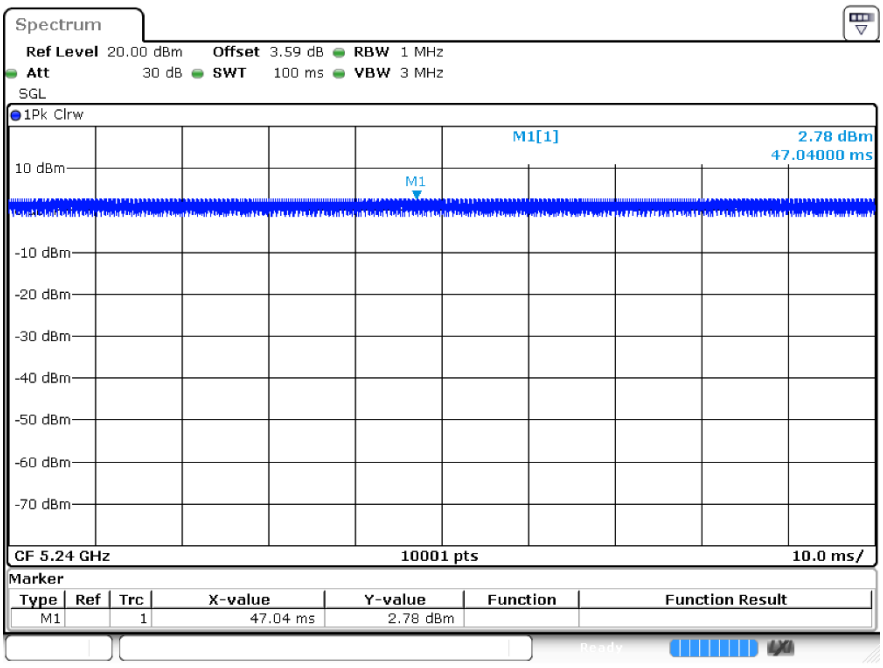
Test Graphs
Duty Cyclea 5180MHz Ant1



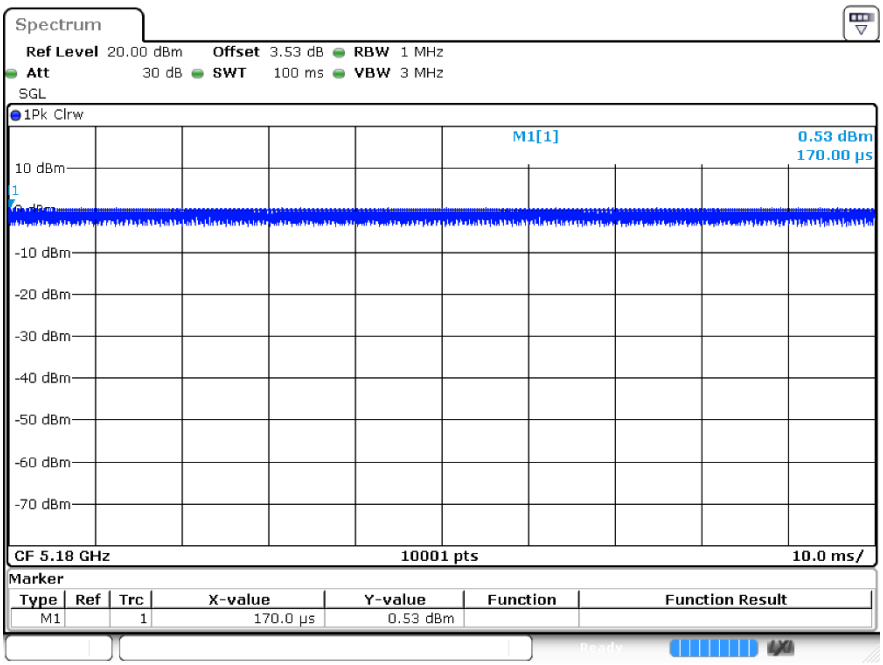
Duty Cycle a 5200MHz Ant1



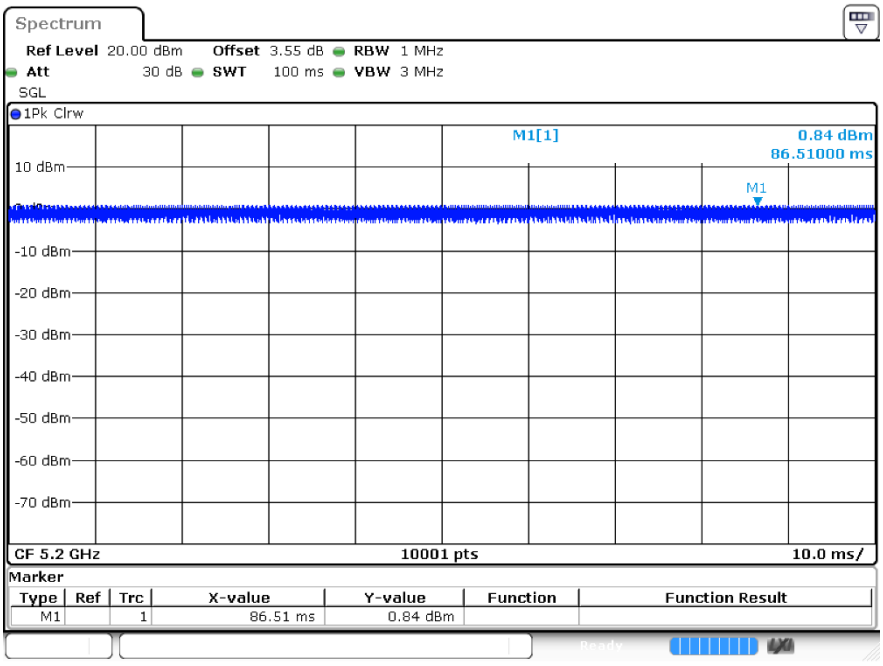
Duty Cyclea 5240MHz Ant1



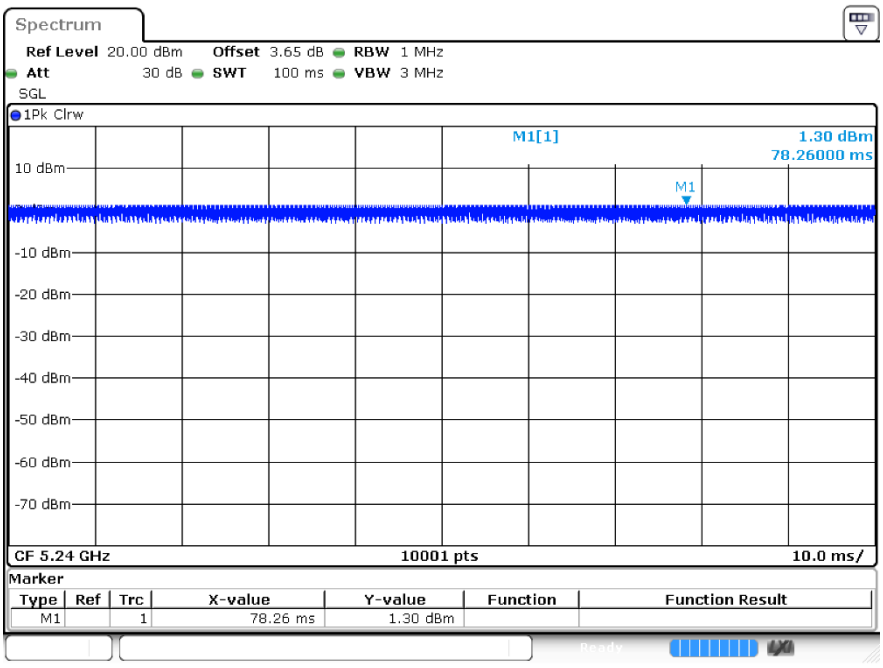
Duty Cyclea 5180MHz Ant2



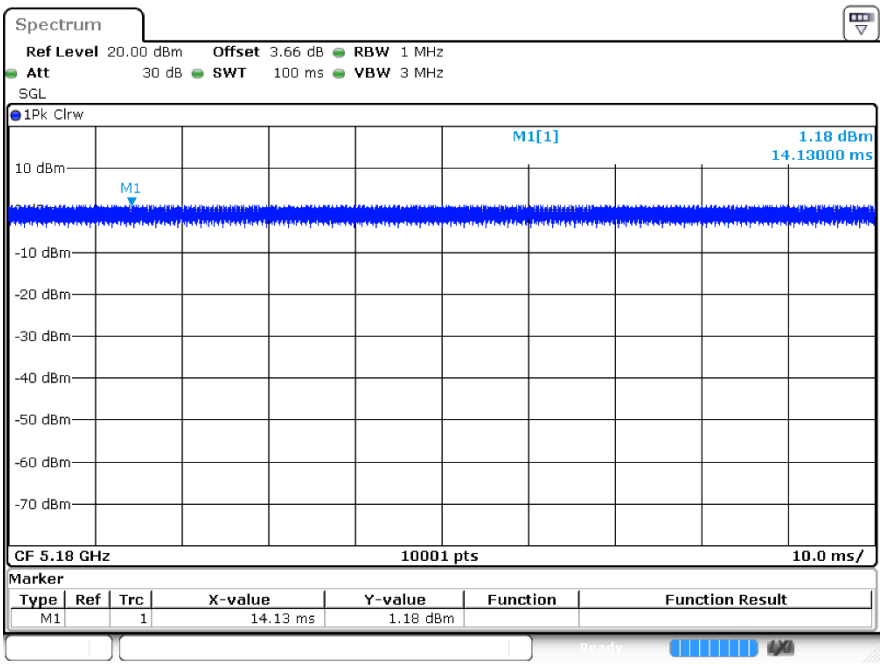
Duty Cycle a 5200MHz Ant2



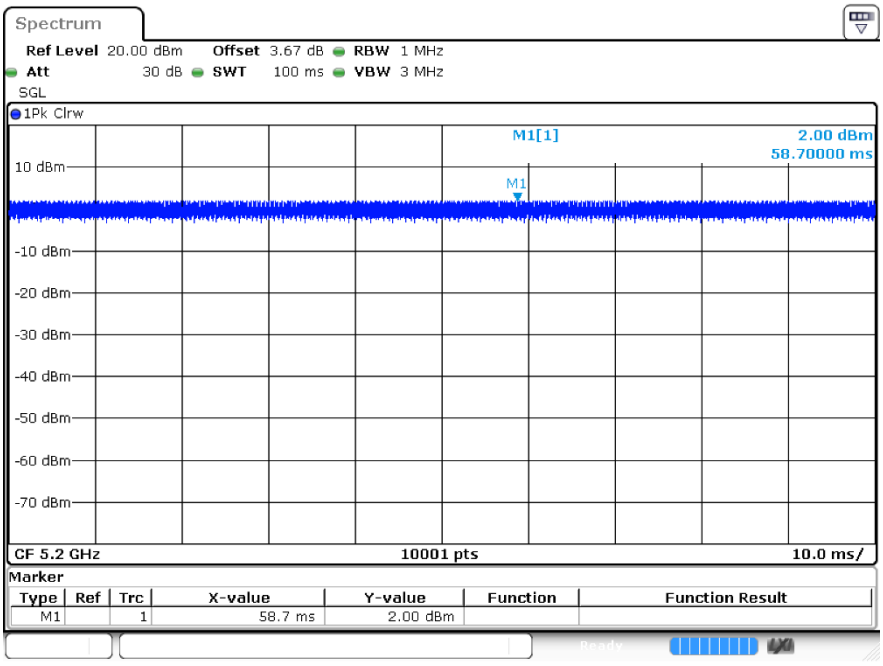
Duty Cyclea 5240MHz Ant2



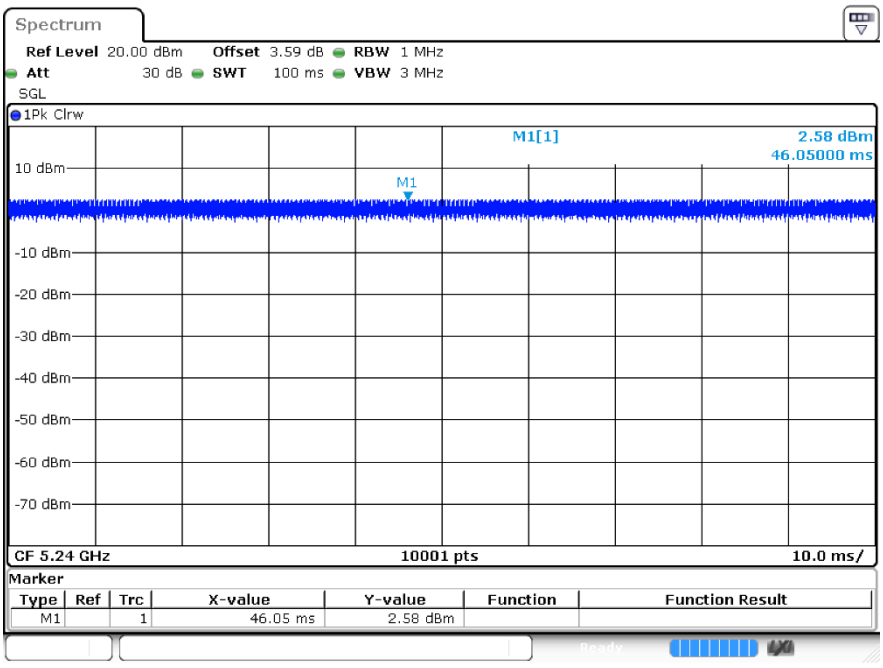
Duty Cycle n20 5180MHz Ant1



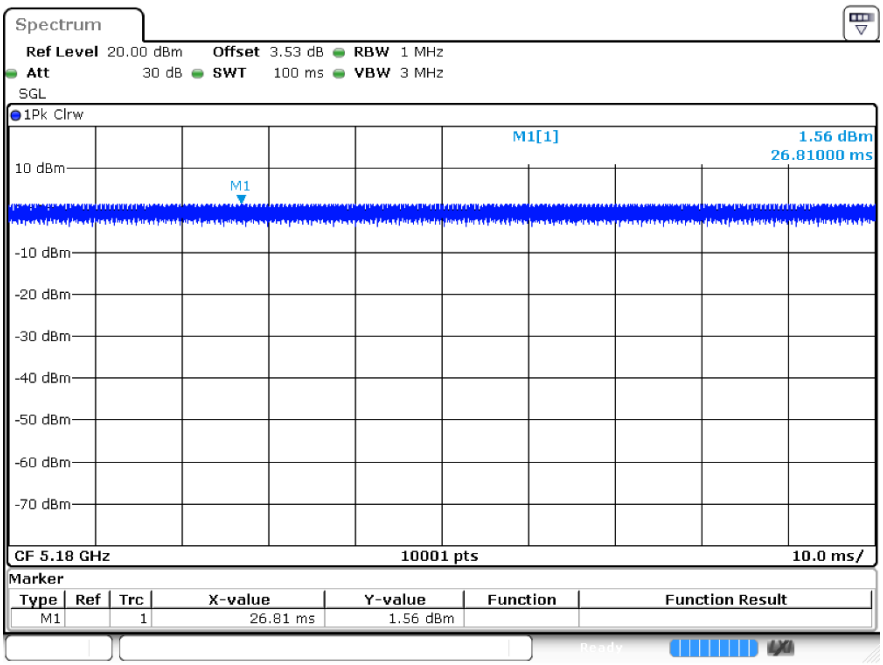
Duty Cycle n20 5200MHz Ant1



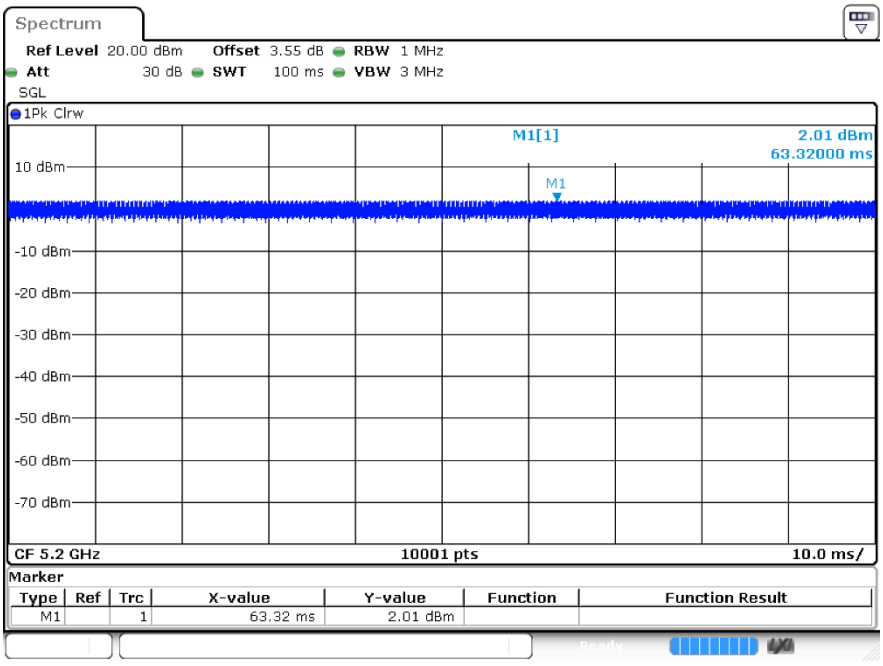
Duty Cycle n20 5240MHz Ant1



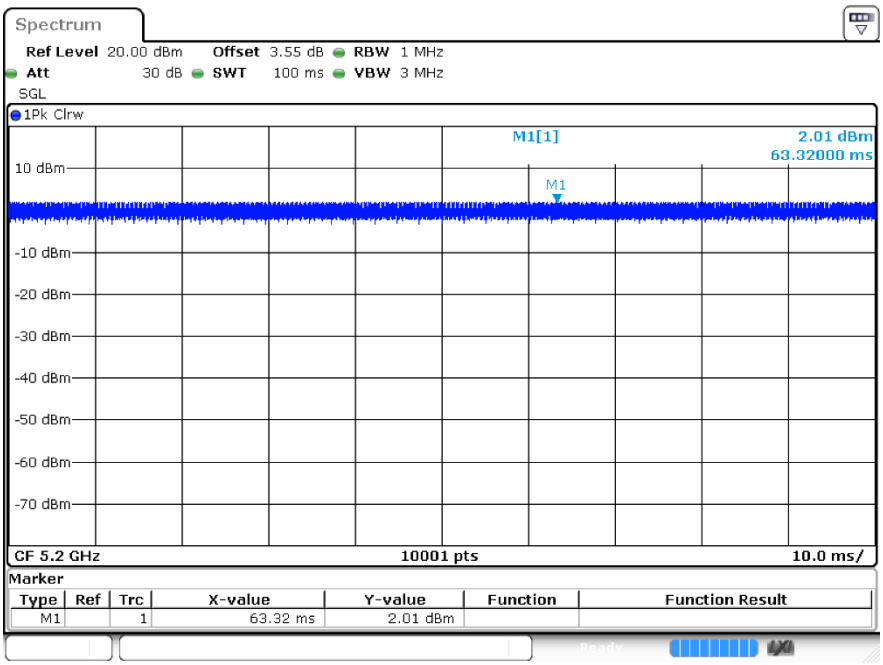
Duty Cycle n20 5180MHz Ant2



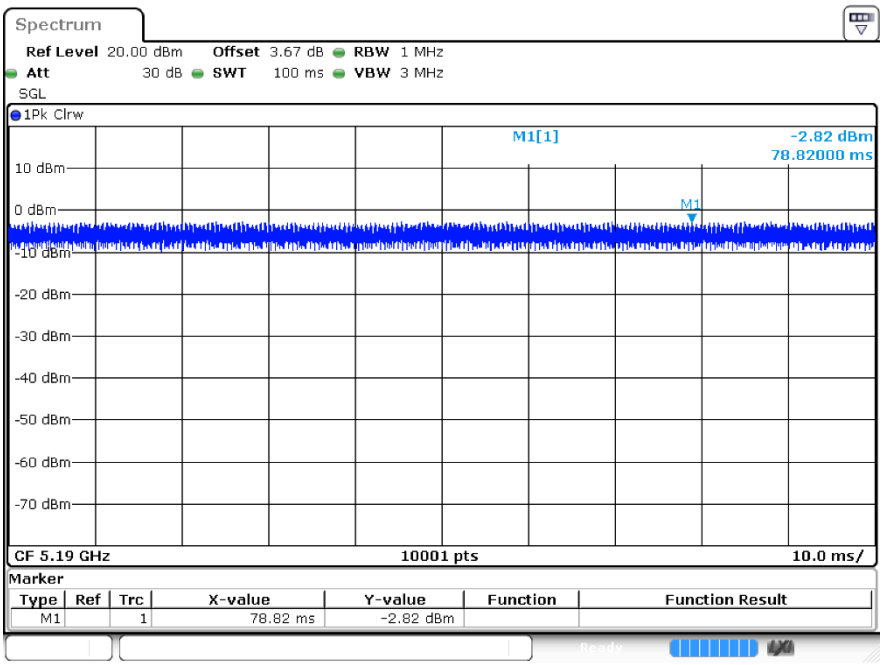
Duty Cycle n20 5200MHz Ant2



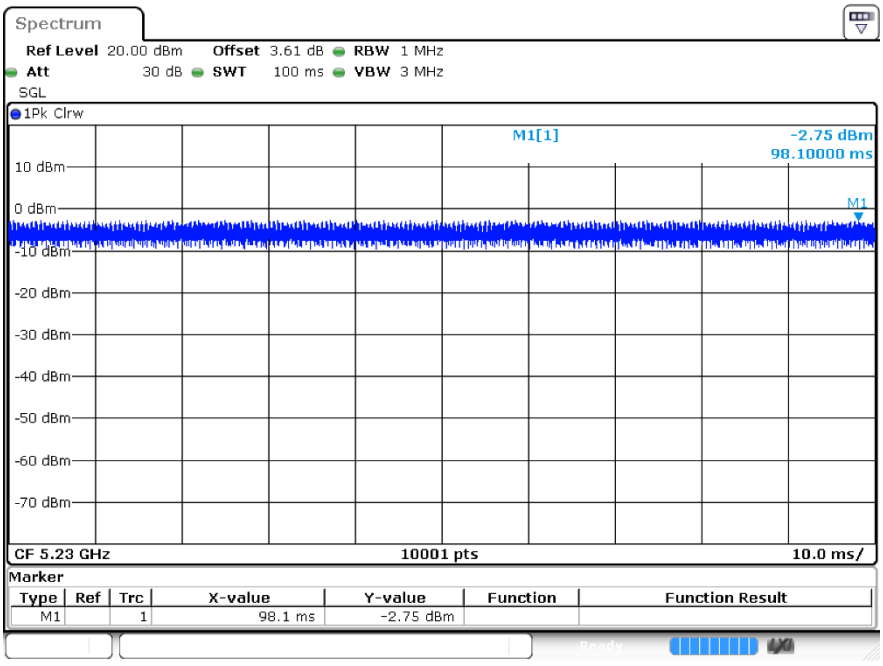
Duty Cycle n20 5200MHz Ant2



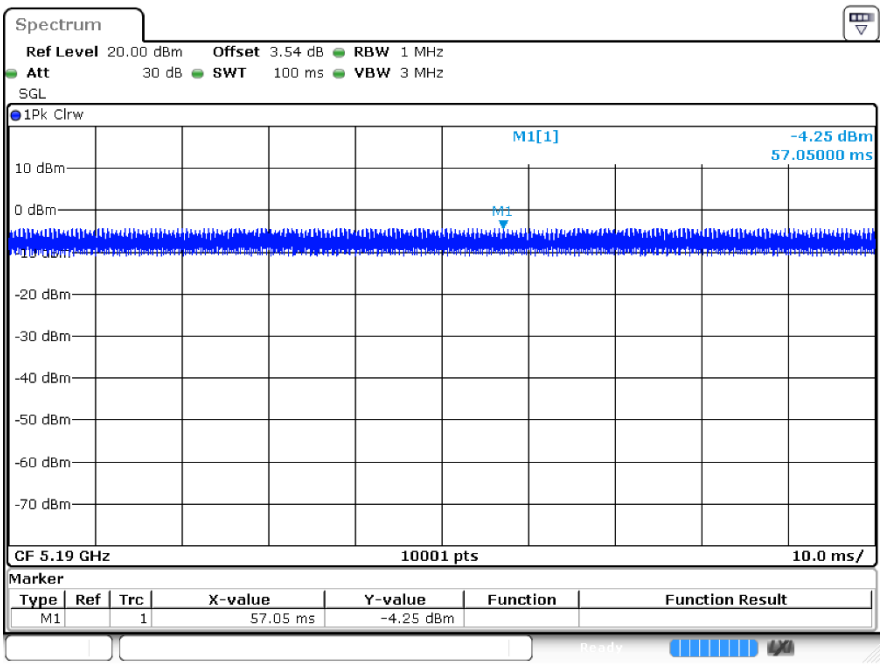
Duty Cyclen40 5190MHz Ant1



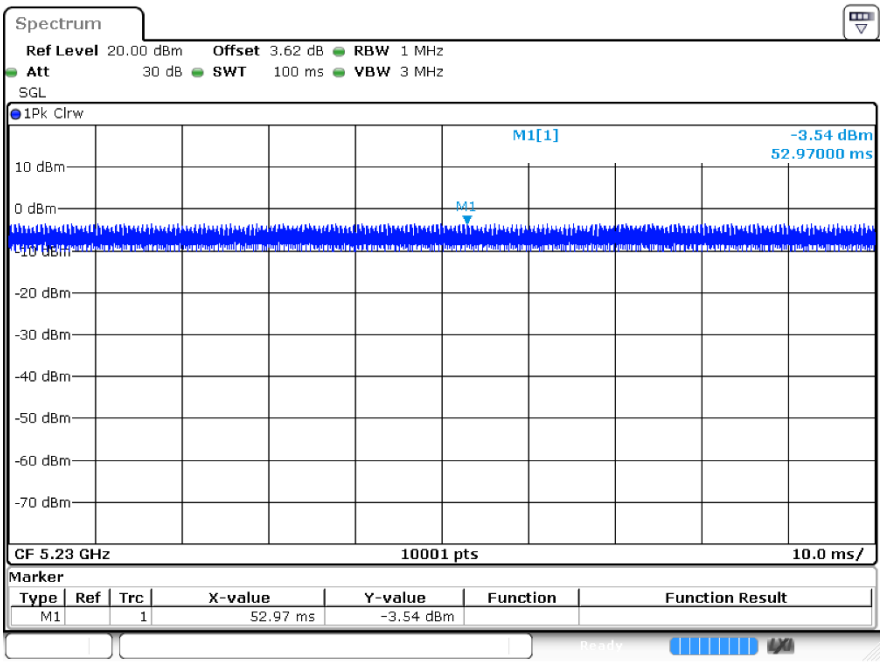
Duty Cyclen40 5230MHz Ant1



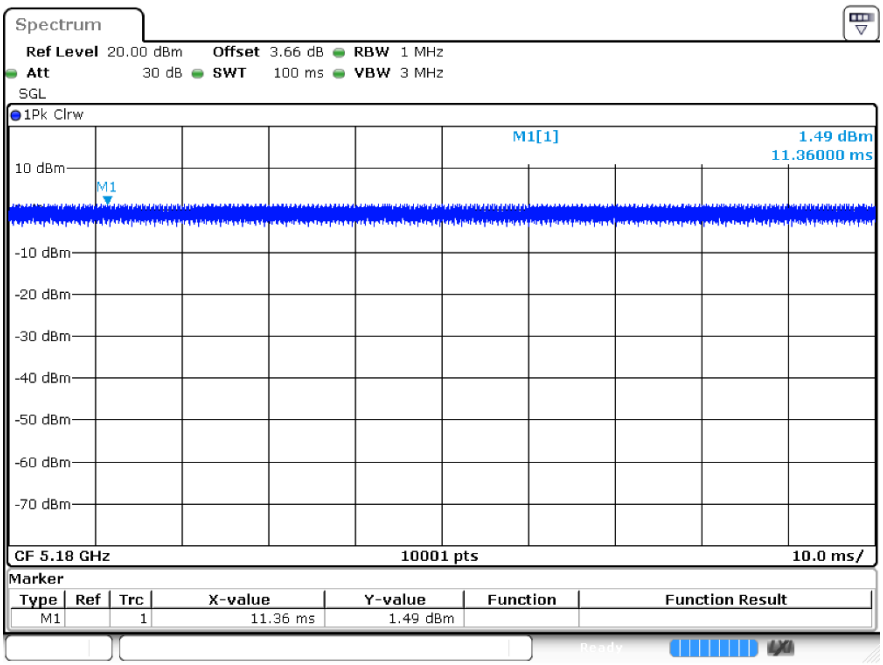
Duty Cyclen40 5190MHz Ant2



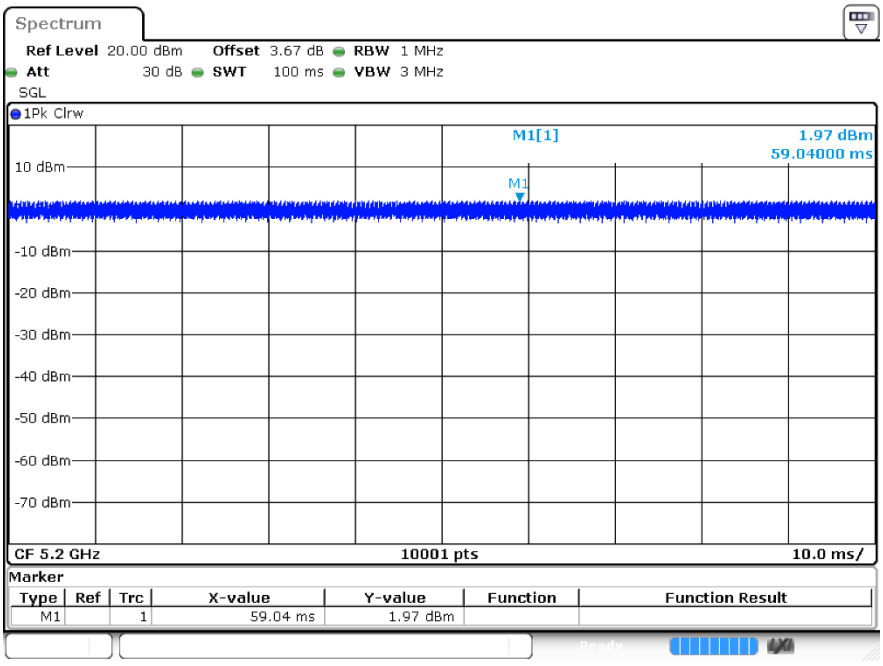
Duty Cyclen40 5230MHz Ant2



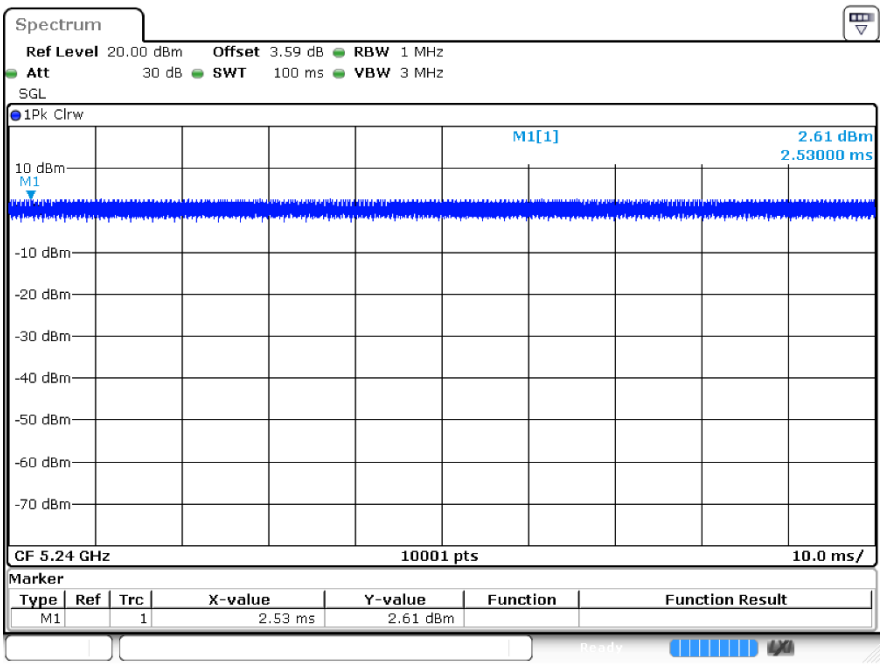
Duty Cycle ac20 5180MHz Ant1



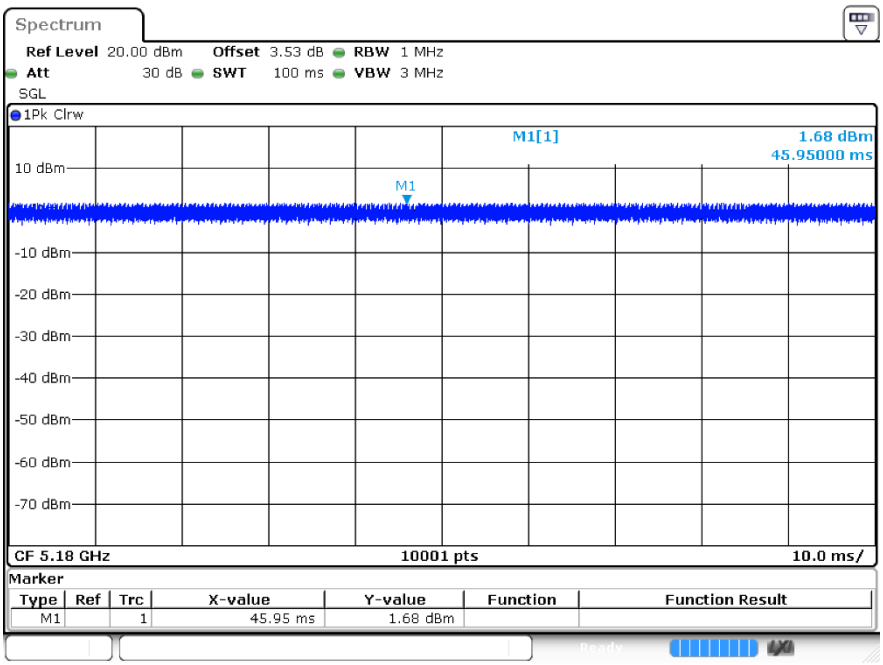
Duty Cycle ac20 5200MHz Ant1



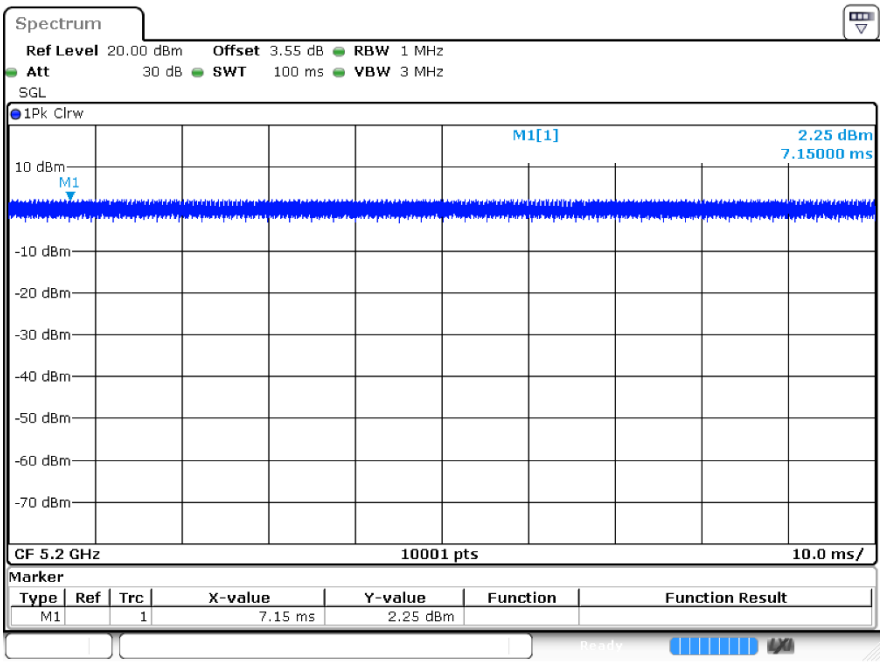
Duty Cycle ac20 5240MHz Ant1



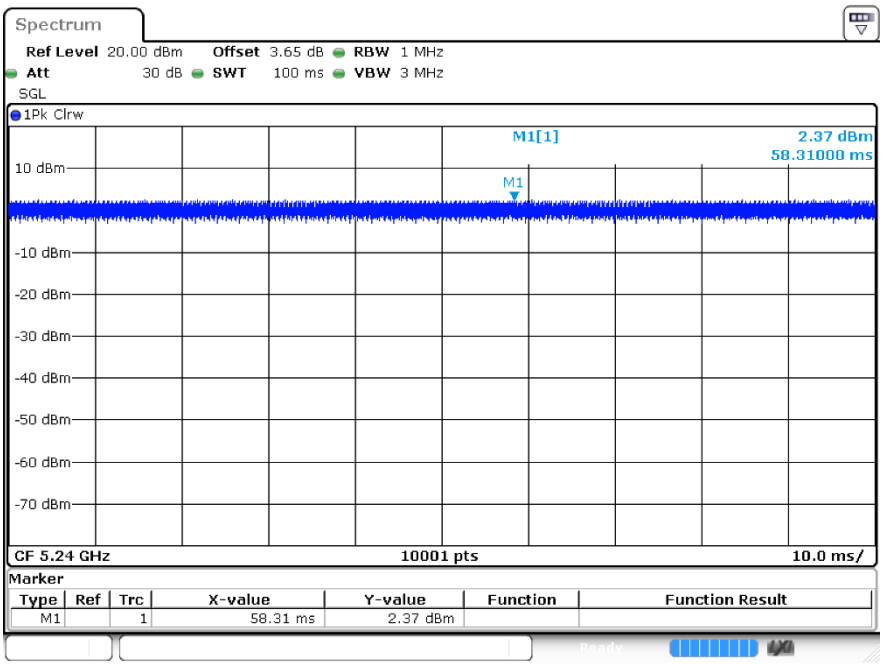
Duty Cycle ac20 5180MHz Ant2



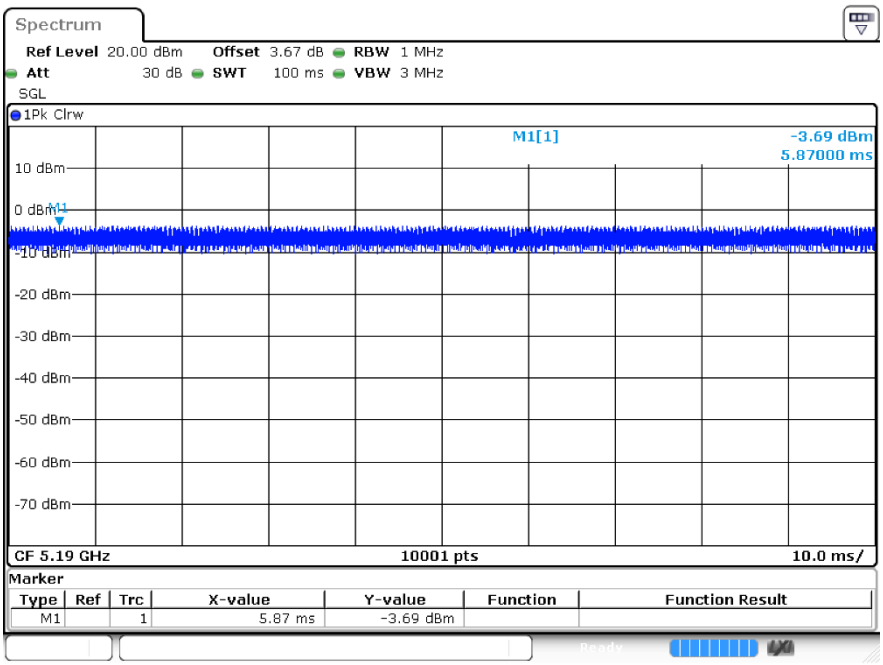
Duty Cycle ac20 5200MHz Ant2



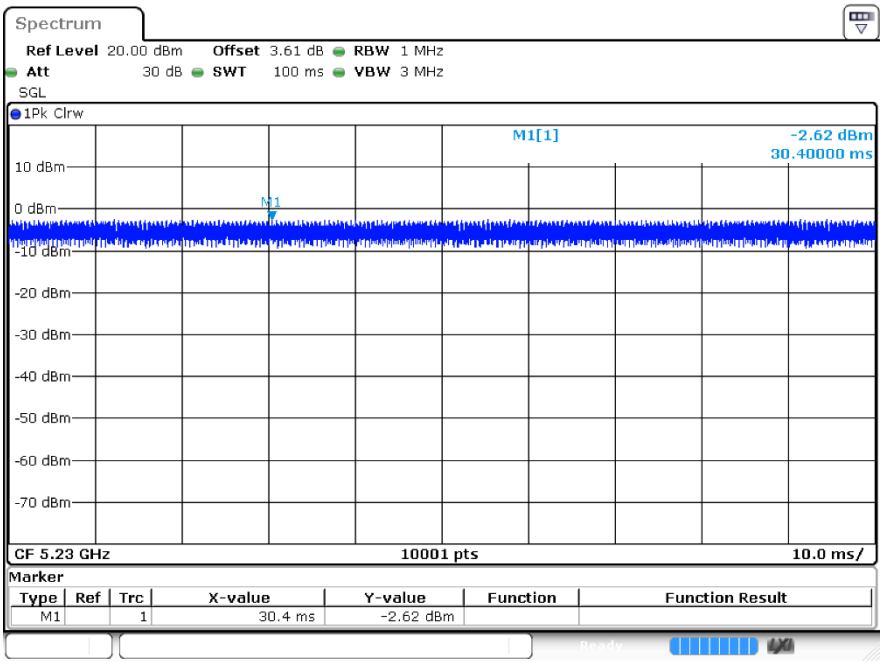
Duty Cycle ac20 5240MHz Ant2



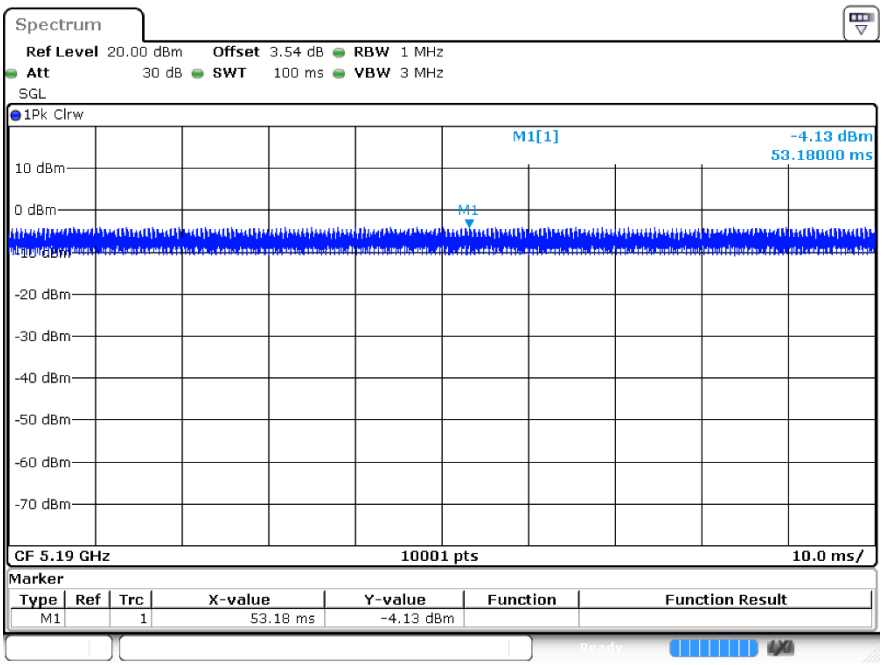
Duty Cycleac40 5190MHz Ant1



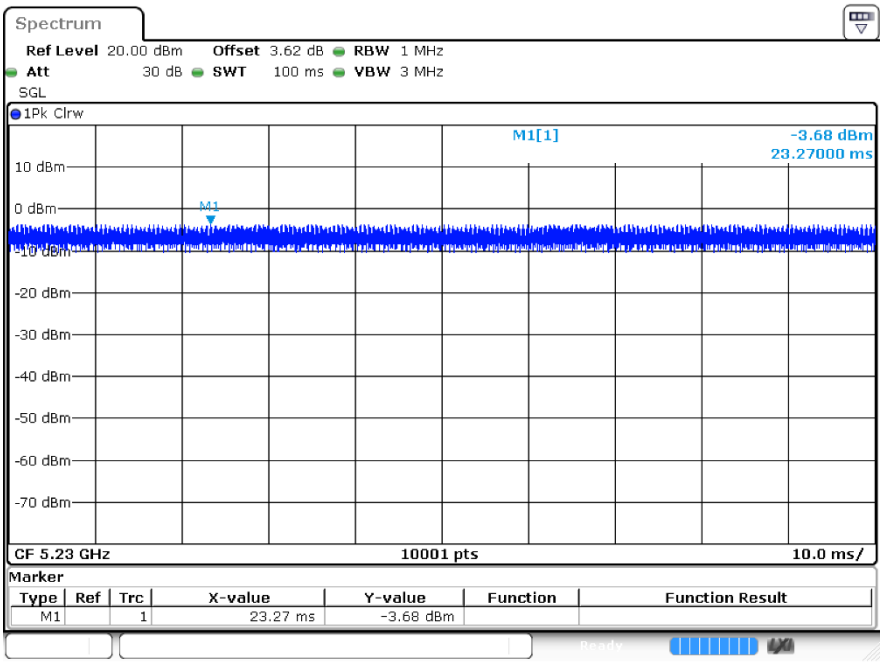
Duty Cycleac40 5230MHz Ant1



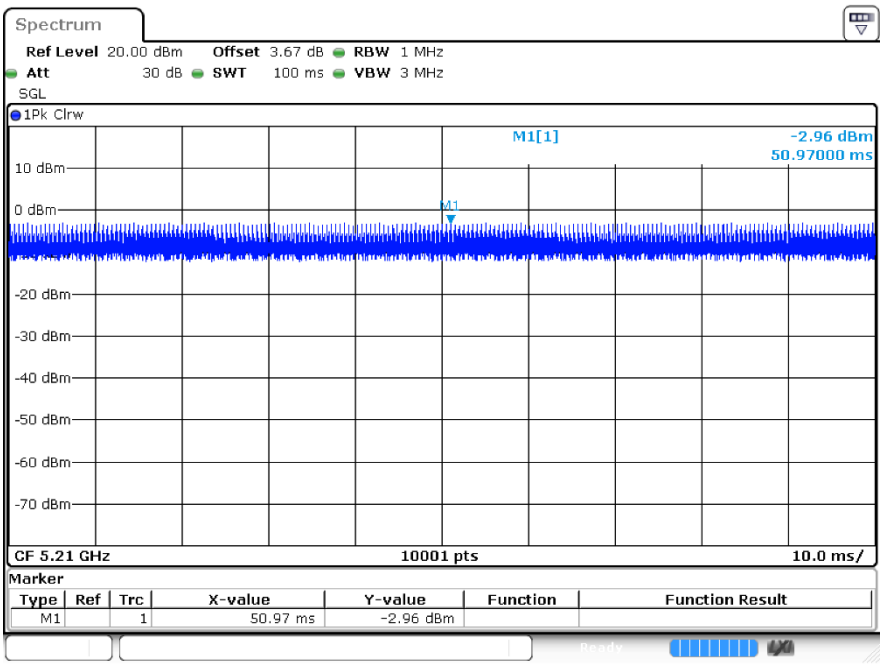
Duty Cycleac40 5190MHz Ant2



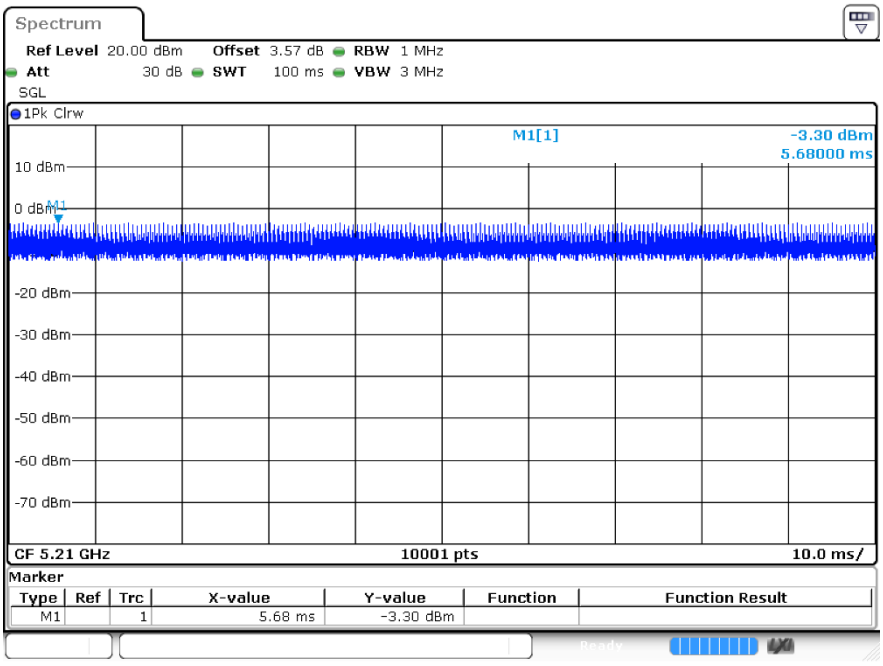
Duty Cycleac40 5230MHz Ant2



Duty Cycleac80 5210MHz Ant1



Duty Cycleac80 5210MHz Ant2



2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	11.14	24	Pass
a	5200	Ant1	11.61	24	Pass
a	5240	Ant1	12.29	24	Pass
a	5180	Ant2	10.44	24	Pass
a	5200	Ant2	10.27	24	Pass
a	5240	Ant2	11.14	24	Pass
n20	5180	Ant1	10.92	24	Pass
n20	5180	Ant2	11.15	24	Pass
n20	5180	Sum	14.05	24	Pass
n20	5200	Ant1	11.15	24	Pass
n20	5200	Ant2	11.27	24	Pass
n20	5200	Sum	14.22	24	Pass
n20	5240	Ant1	11.76	24	Pass
n20	5240	Ant2	11.46	24	Pass
n20	5240	Sum	14.62	24	Pass
n40	5190	Ant1	10.37	24	Pass
n40	5190	Ant2	9.93	24	Pass
n40	5190	Sum	13.17	24	Pass
n40	5230	Ant1	11.2	24	Pass
n40	5230	Ant2	10.35	24	Pass
n40	5230	Sum	13.81	24	Pass
ac20	5180	Ant1	11.09	24	Pass
ac20	5180	Ant2	11.09	24	Pass
ac20	5180	Sum	14.10	24	Pass
ac20	5200	Ant1	11.02	24	Pass
ac20	5200	Ant2	11.3	24	Pass
ac20	5200	Sum	14.17	24	Pass
ac20	5240	Ant1	11.69	24	Pass
ac20	5240	Ant2	11.47	24	Pass
ac20	5240	Sum	14.59	24	Pass
ac40	5190	Ant1	10.59	24	Pass
ac40	5190	Ant2	10.14	24	Pass
ac40	5190	Sum	13.38	24	Pass
ac40	5230	Ant1	11.33	24	Pass
ac40	5230	Ant2	10.3	24	Pass
ac40	5230	Sum	13.86	24	Pass

ac80	5210	Ant1	10.79	24	Pass
ac80	5210	Ant2	10.48	24	Pass
ac80	5210	Sum	13.65	24	Pass

Note:

The duty factor has been compensated into the result.

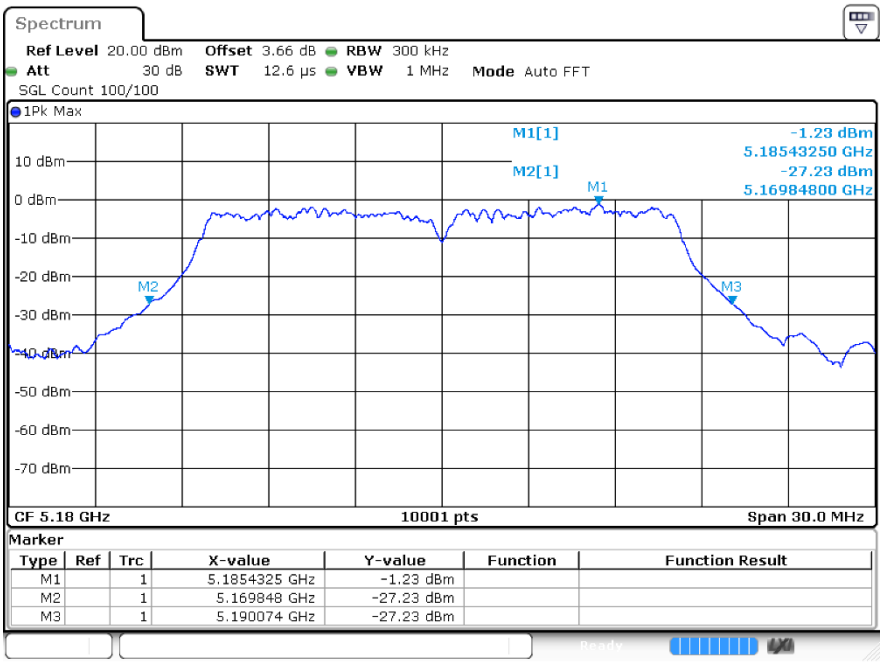
3 -26dB Bandwidth

3.1 Test Result

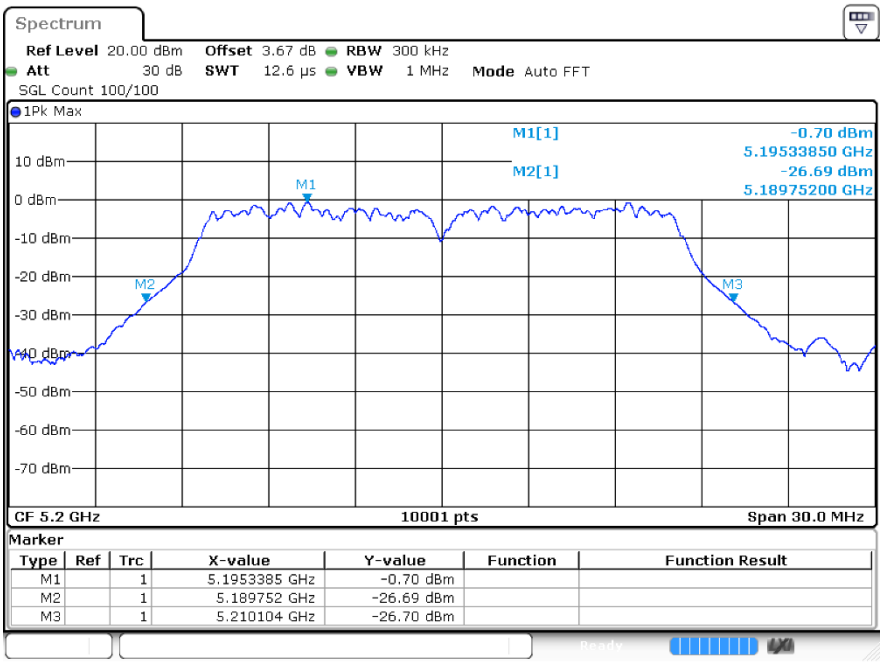
Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
a	5180	Ant1	20.226	0.5	Pass
a	5200	Ant1	20.352	0.5	Pass
a	5240	Ant1	19.956	0.5	Pass
n20	5180	Ant1	21.096	0.5	Pass
n20	5200	Ant1	20.4	0.5	Pass
n20	5240	Ant1	21.114	0.5	Pass
n40	5190	Ant1	39.888	0.5	Pass
n40	5230	Ant1	40.032	0.5	Pass
ac20	5180	Ant1	20.988	0.5	Pass
ac20	5200	Ant1	21.306	0.5	Pass
ac20	5240	Ant1	21.27	0.5	Pass
ac40	5190	Ant1	40.188	0.5	Pass
ac40	5230	Ant1	40.47	0.5	Pass
ac80	5210	Ant1	79.056	0.5	Pass
a	5180	Ant2	20.583	0.5	Pass
a	5200	Ant2	20.238	0.5	Pass
a	5240	Ant2	20.277	0.5	Pass
n20	5180	Ant2	21.129	0.5	Pass
n20	5200	Ant2	21.024	0.5	Pass
n20	5240	Ant2	20.634	0.5	Pass
n40	5190	Ant2	40.35	0.5	Pass
n40	5230	Ant2	40.2	0.5	Pass
ac20	5180	Ant2	20.883	0.5	Pass
ac20	5200	Ant2	20.889	0.5	Pass
ac20	5240	Ant2	20.847	0.5	Pass
ac40	5190	Ant2	39.816	0.5	Pass
ac40	5230	Ant2	40.296	0.5	Pass
ac80	5210	Ant2	79.5	0.5	Pass

3.2 Test Graphs

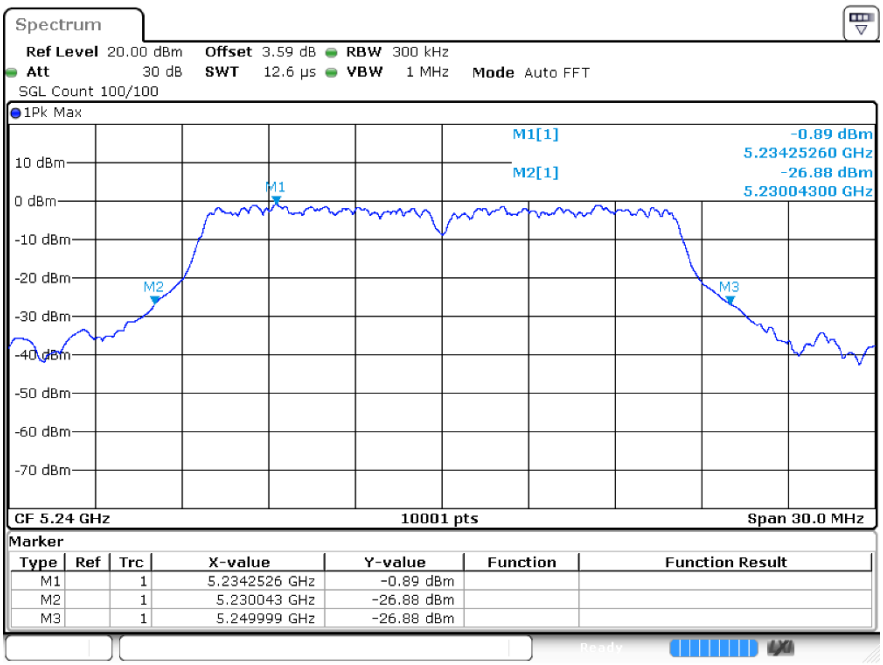
Test Graphs
-26dB Bandwidtha 5180MHz Ant1



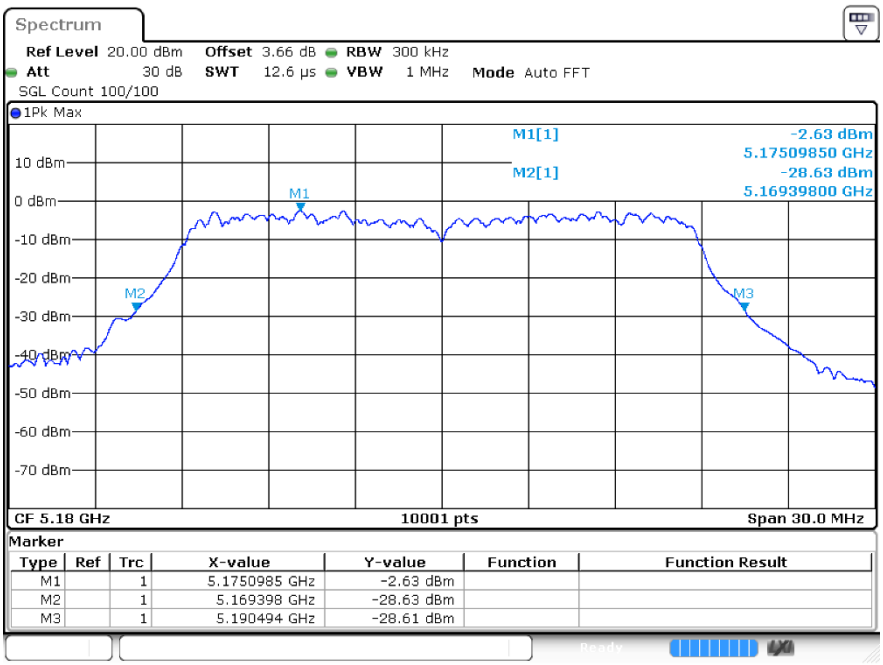
-26dB Bandwidtha 5200MHz Ant1



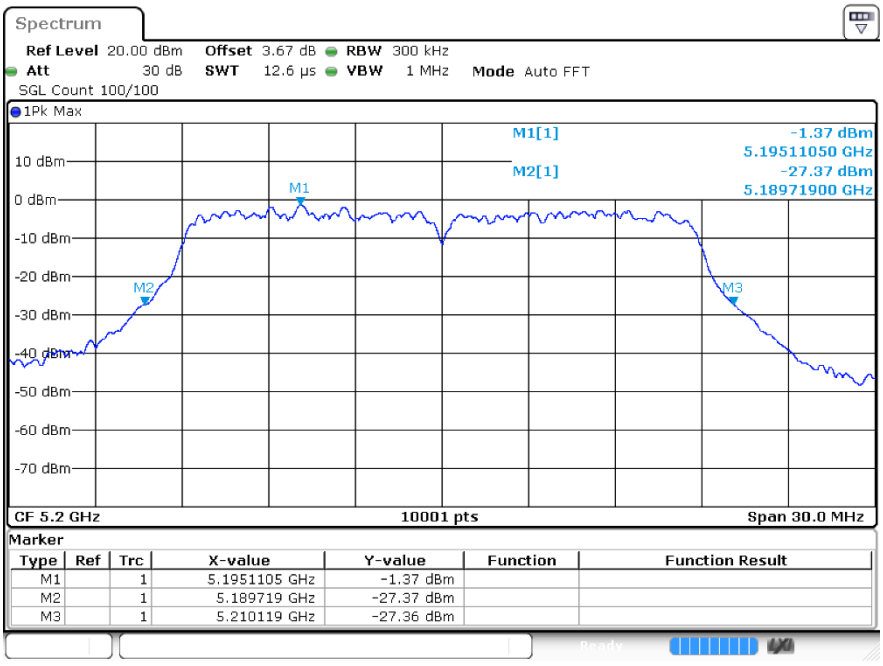
-26dB Bandwidtha 5240MHz Ant1



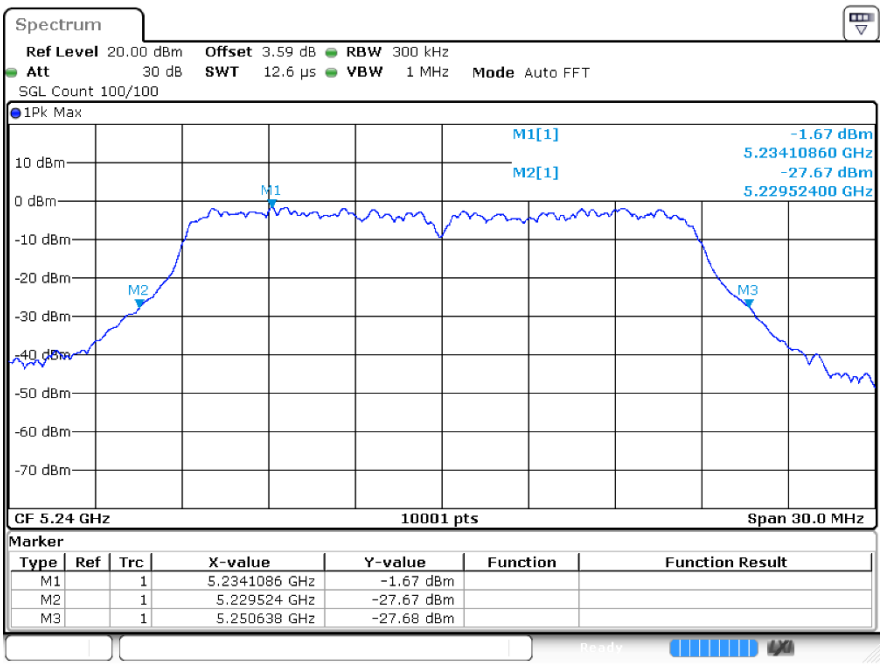
-26dB Bandwidth n20 5180MHz Ant1



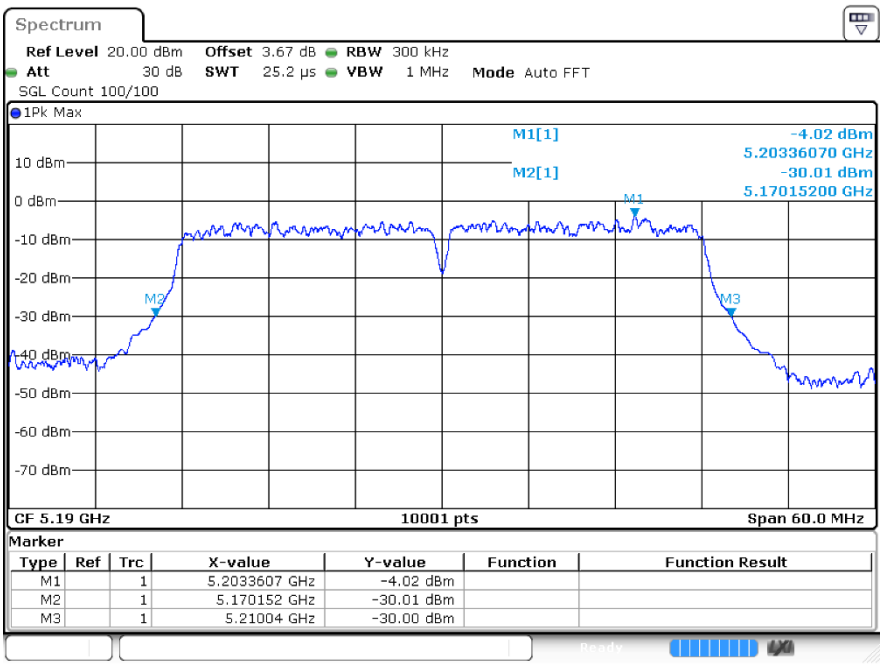
-26dB Bandwidth n20 5200MHz Ant1



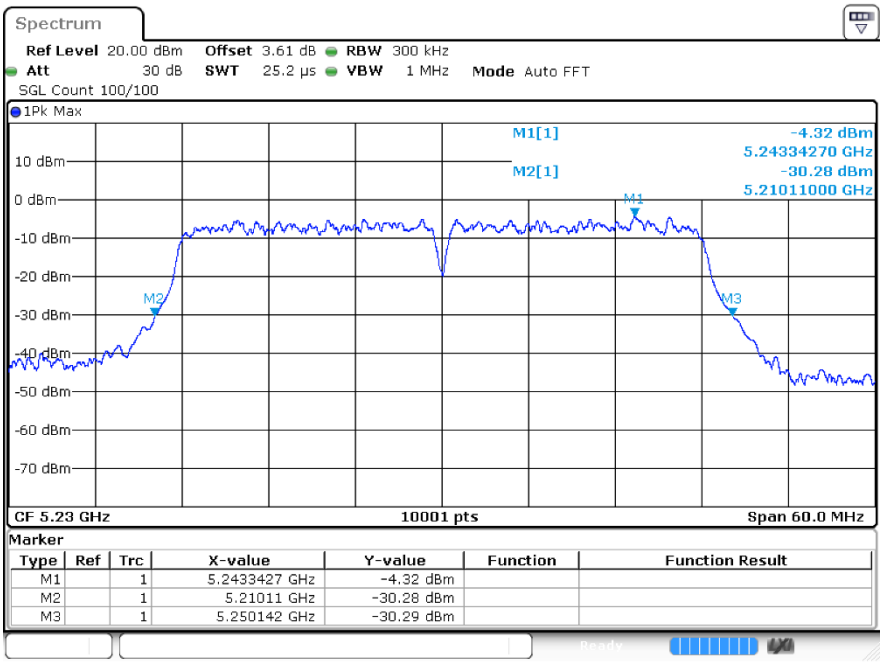
-26dB Bandwidth n20 5240MHz Ant1



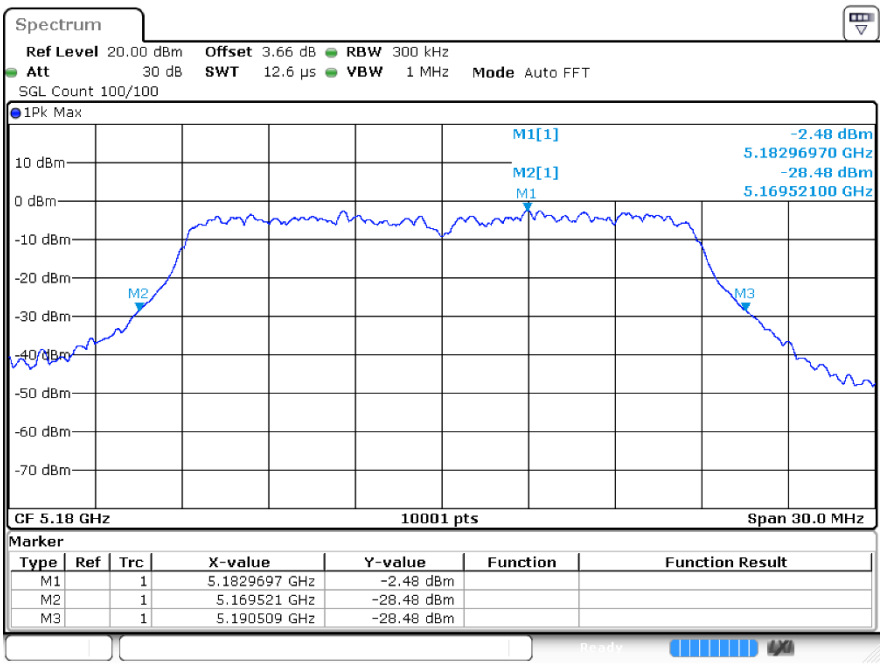
-26dB Bandwidthn40 5190MHz Ant1



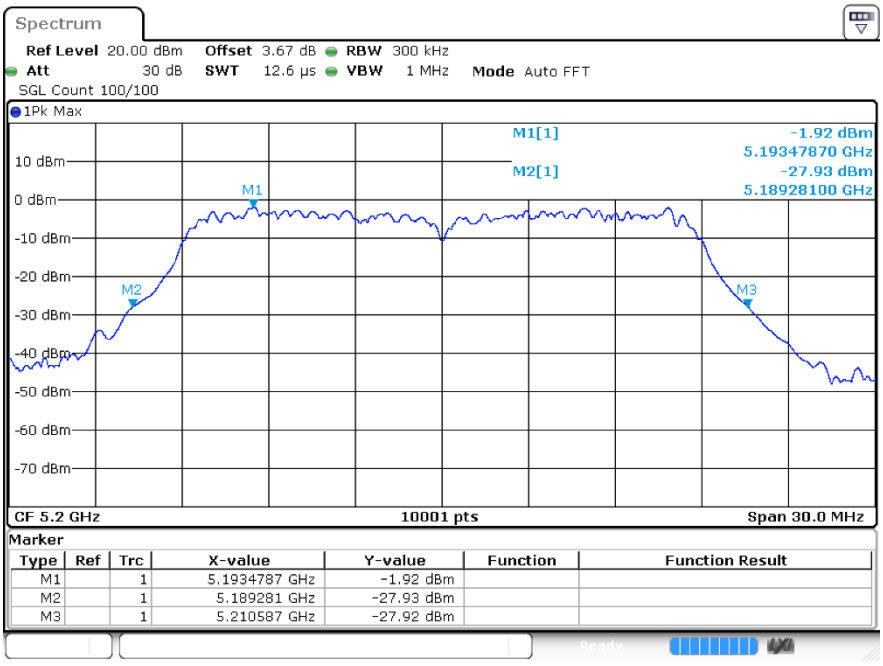
-26dB Bandwidthn40 5230MHz Ant1



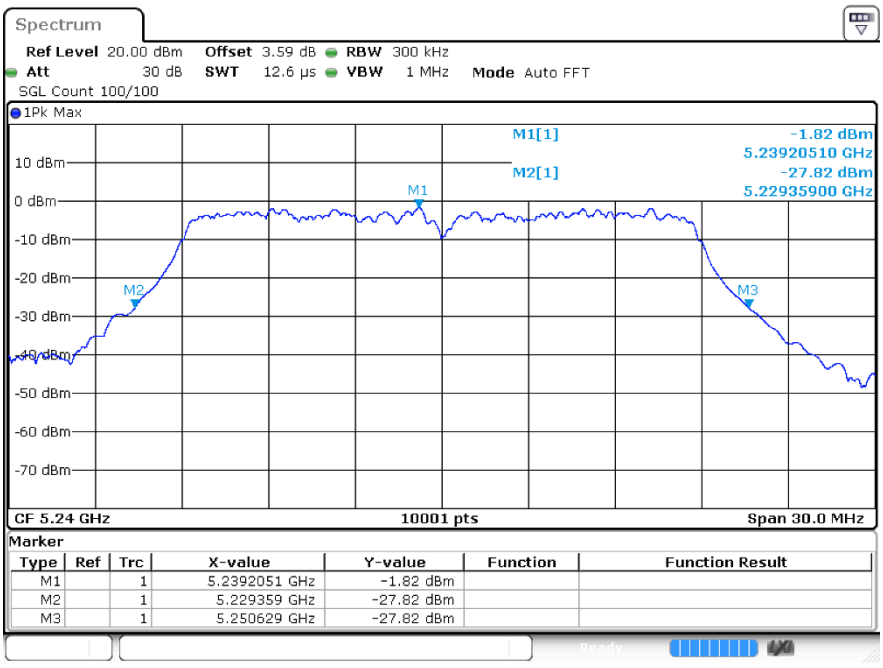
-26dB Bandwidth ac20 5180MHz Ant1



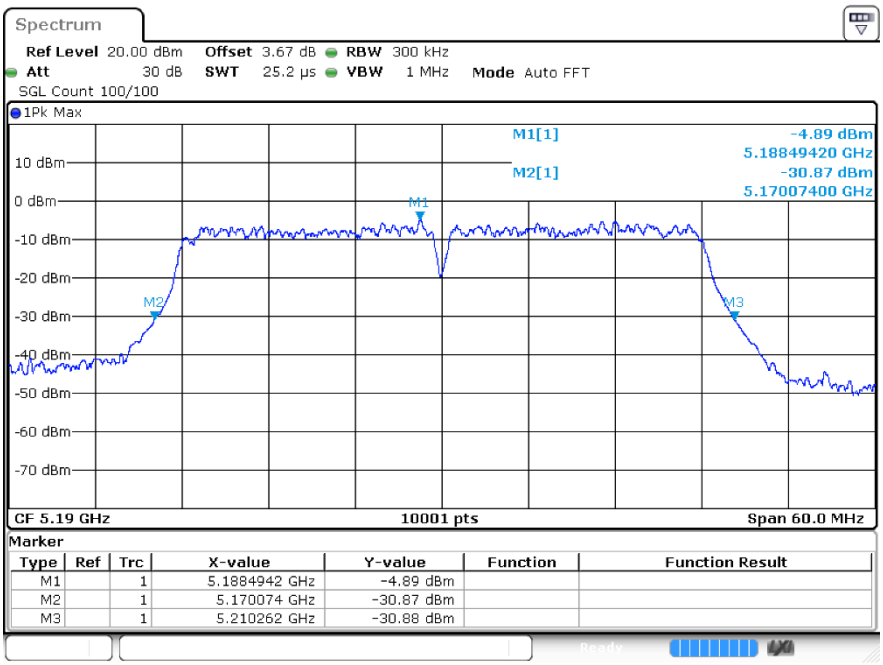
-26dB Bandwidth ac20 5200MHz Ant1



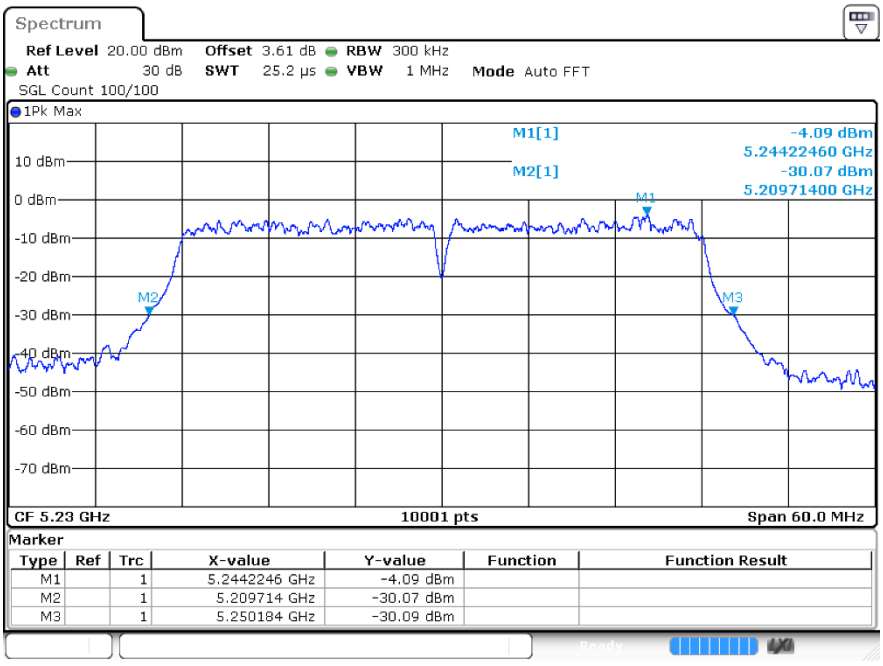
-26dB Bandwidth ac20 5240MHz Ant1



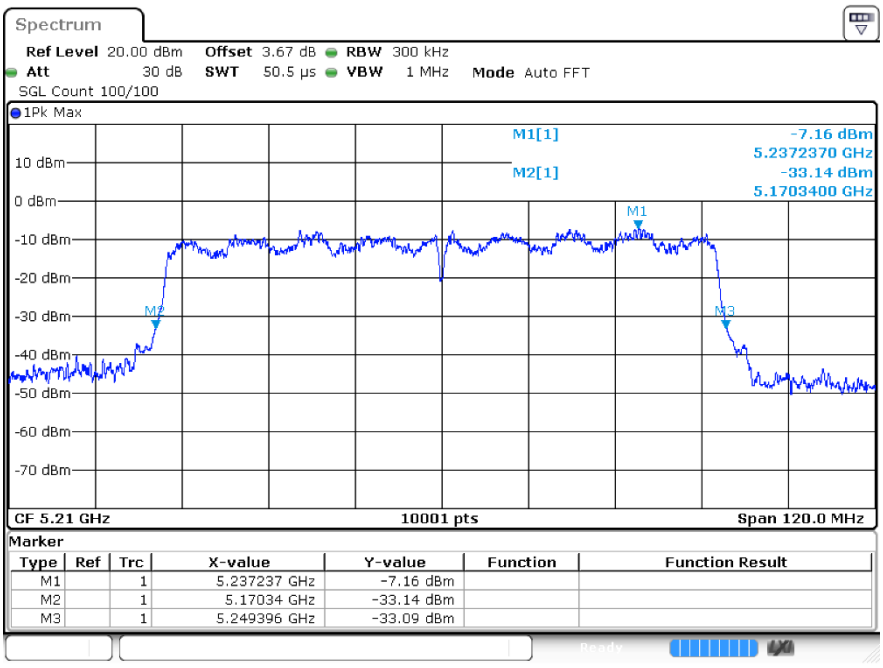
-26dB Bandwidthac40 5190MHz Ant1



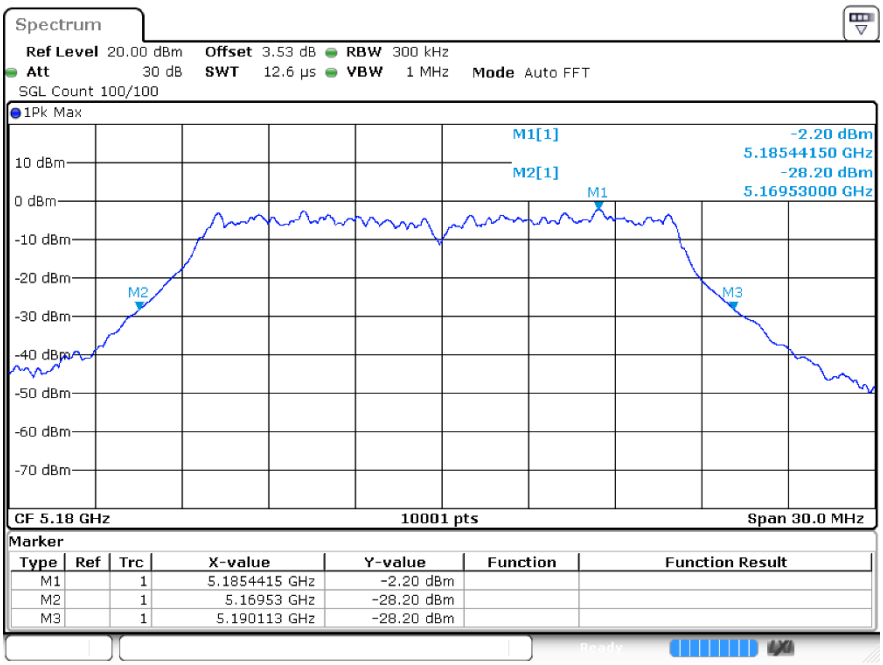
-26dB Bandwidthac40 5230MHz Ant1



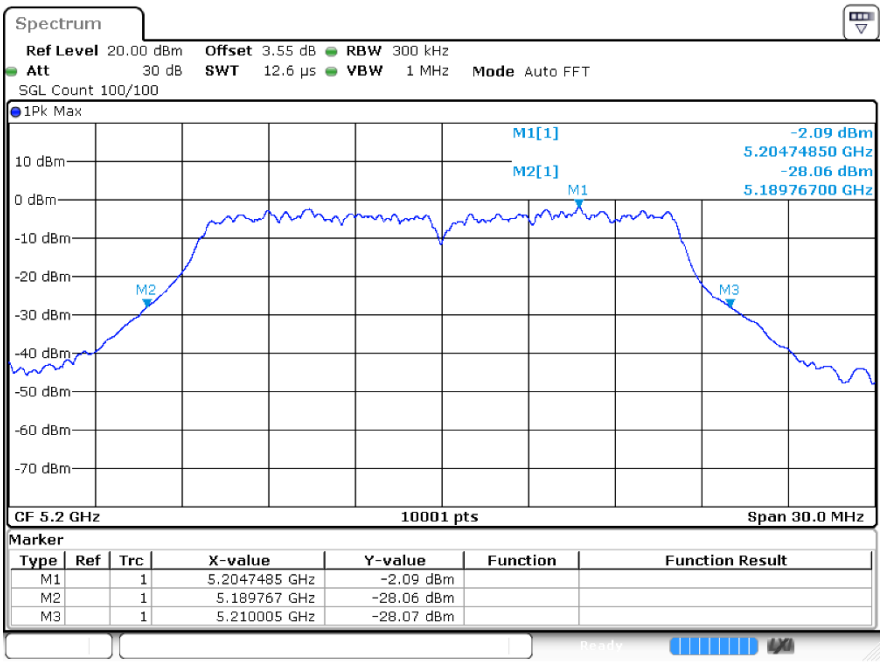
-26dB Bandwidthac80 5210MHz Ant1



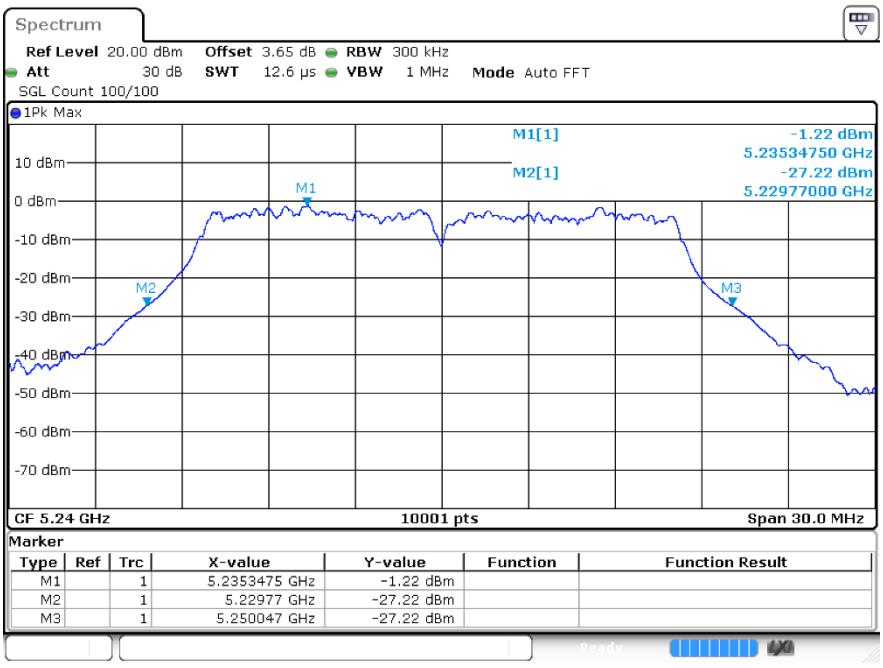
-26dB Bandwidtha 5180MHz Ant2



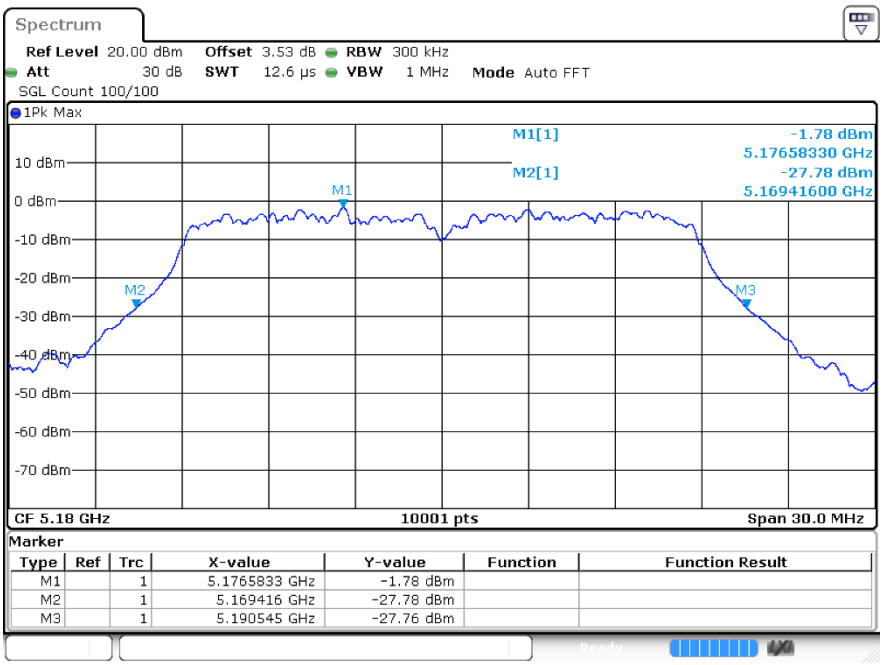
-26dB Bandwidtha 5200MHz Ant2



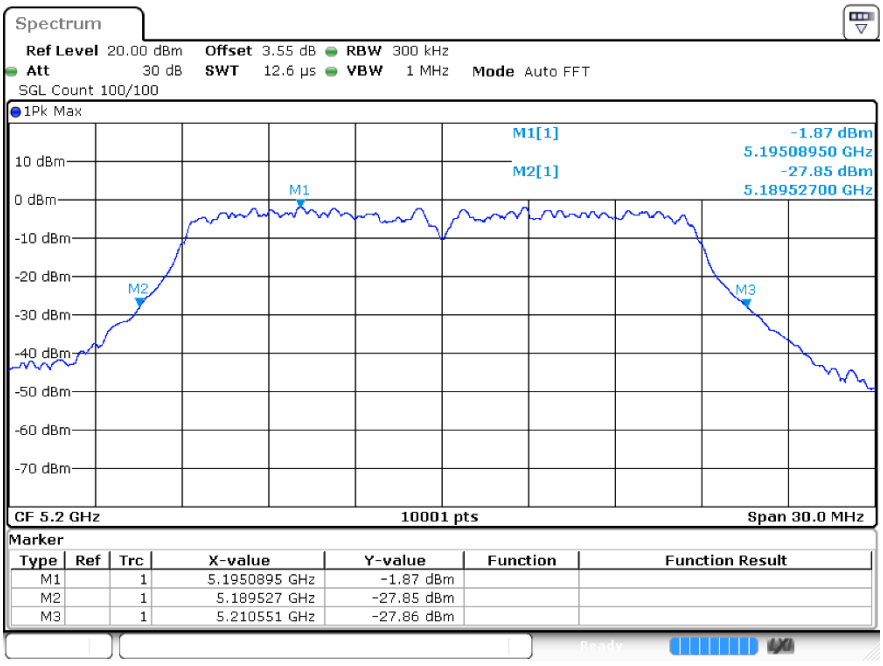
-26dB Bandwidtha 5240MHz Ant2



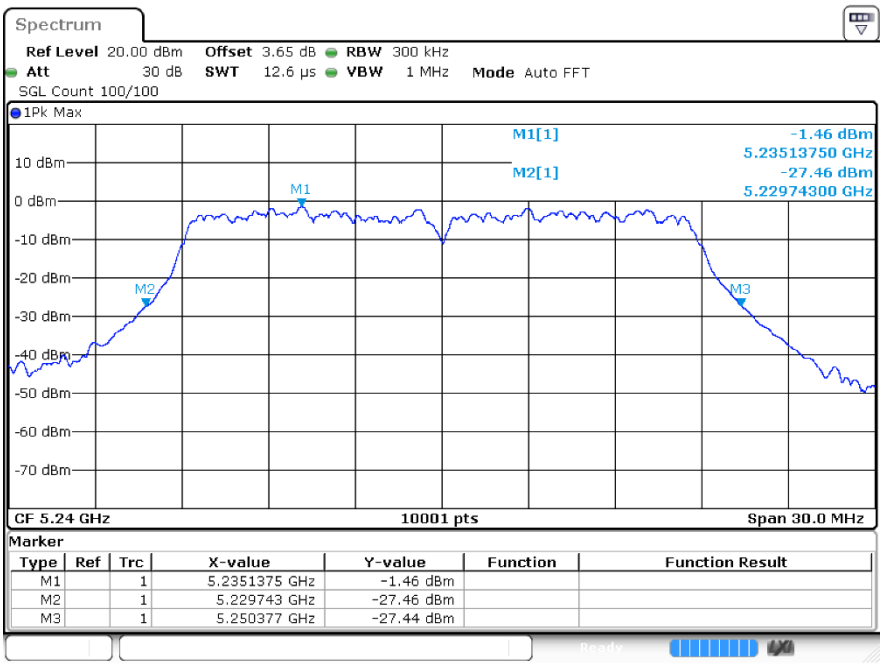
-26dB Bandwidth n20 5180MHz Ant2



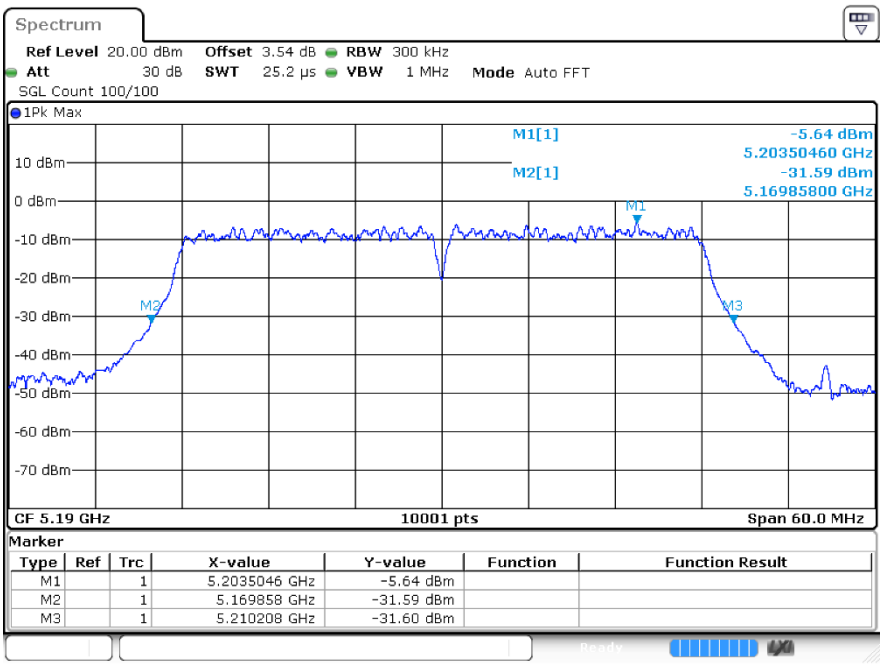
-26dB Bandwidth n20 5200MHz Ant2



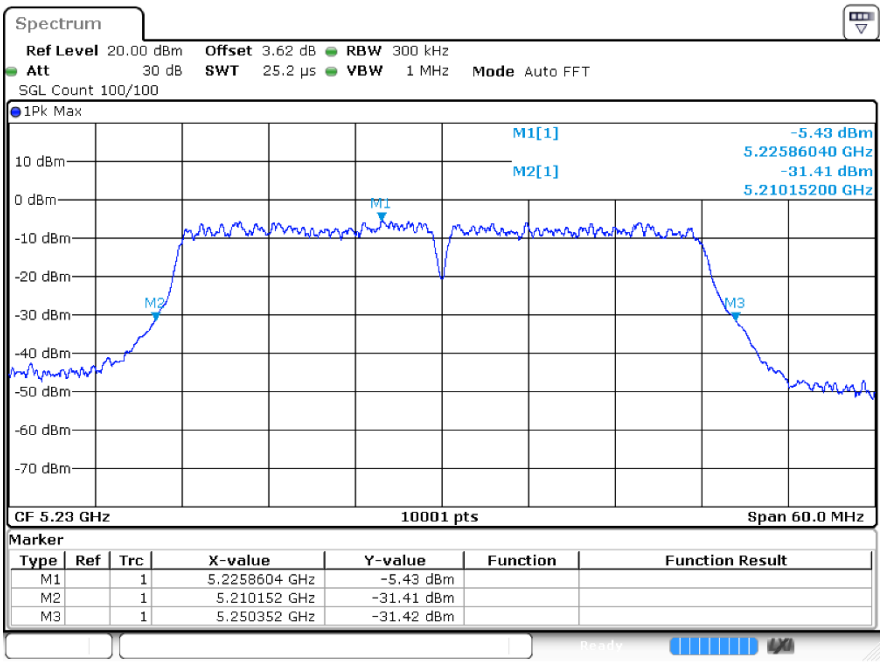
-26dB Bandwidth n20 5240MHz Ant2



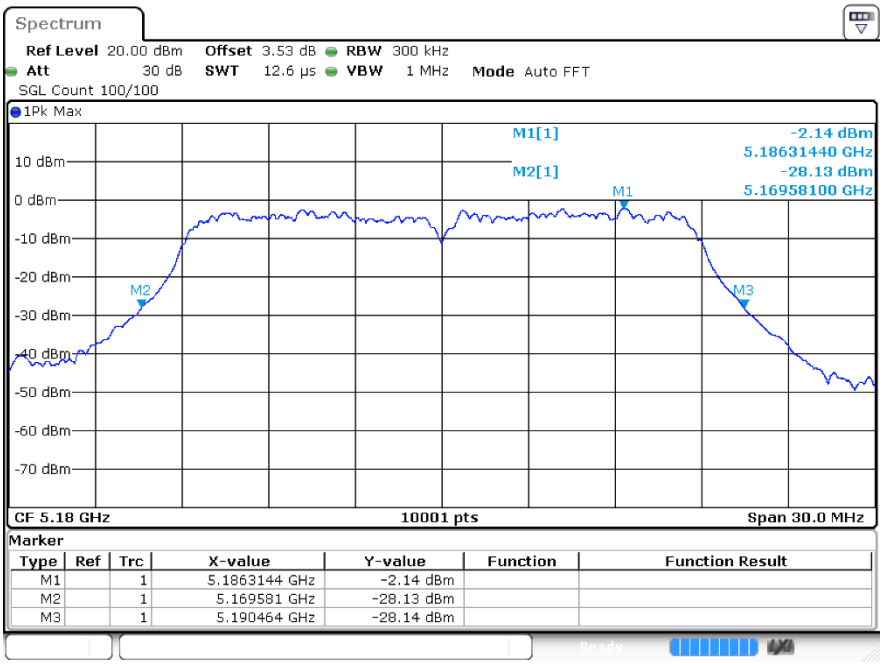
-26dB Bandwidthn40 5190MHz Ant2



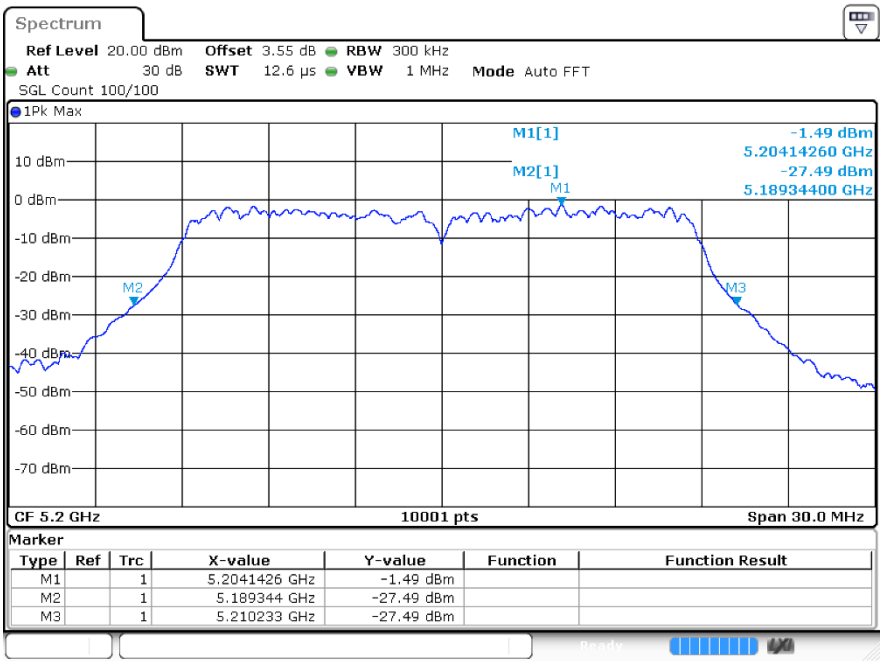
-26dB Bandwidthn40 5230MHz Ant2



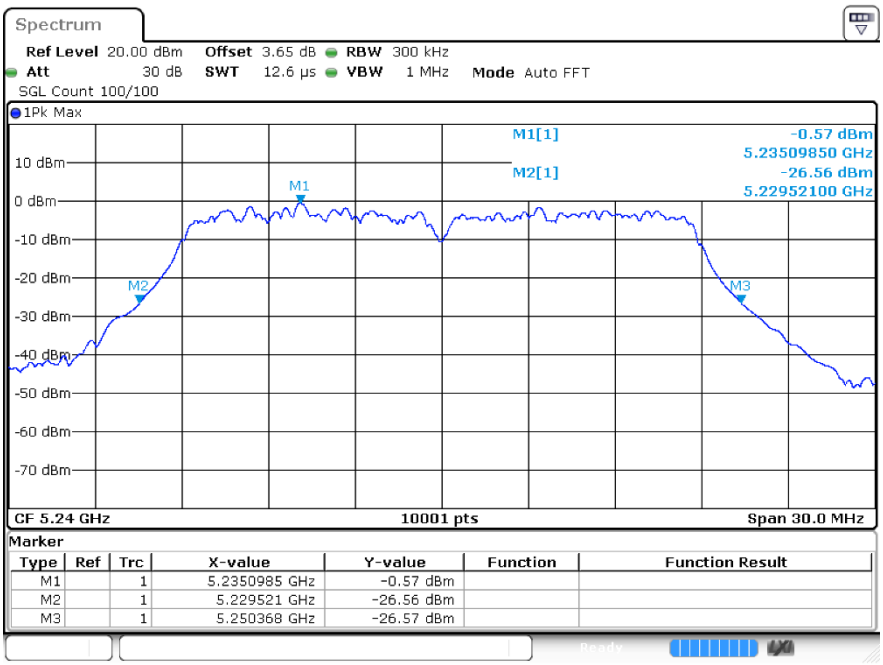
-26dB Bandwidth ac20 5180MHz Ant2



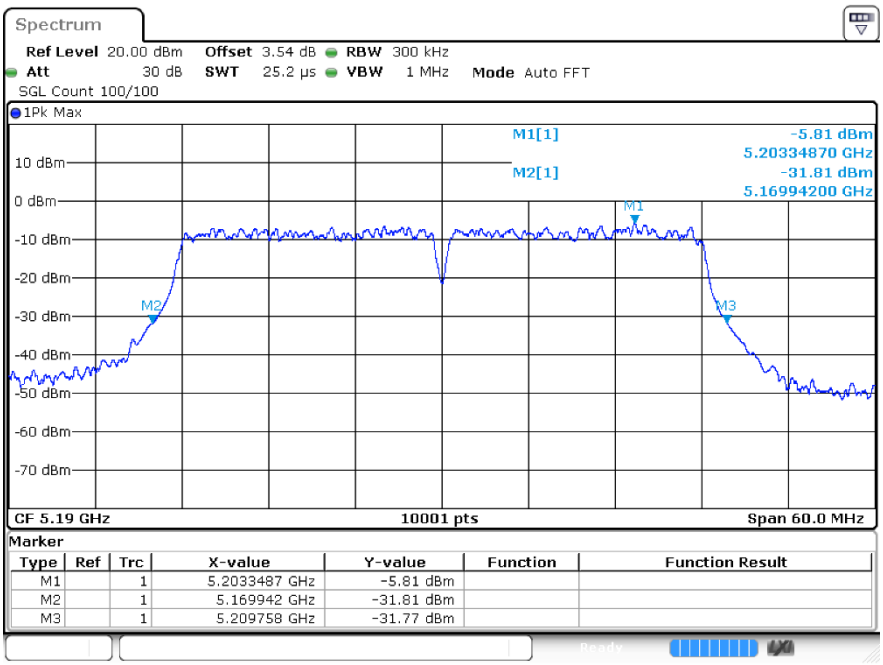
-26dB Bandwidth ac20 5200MHz Ant2



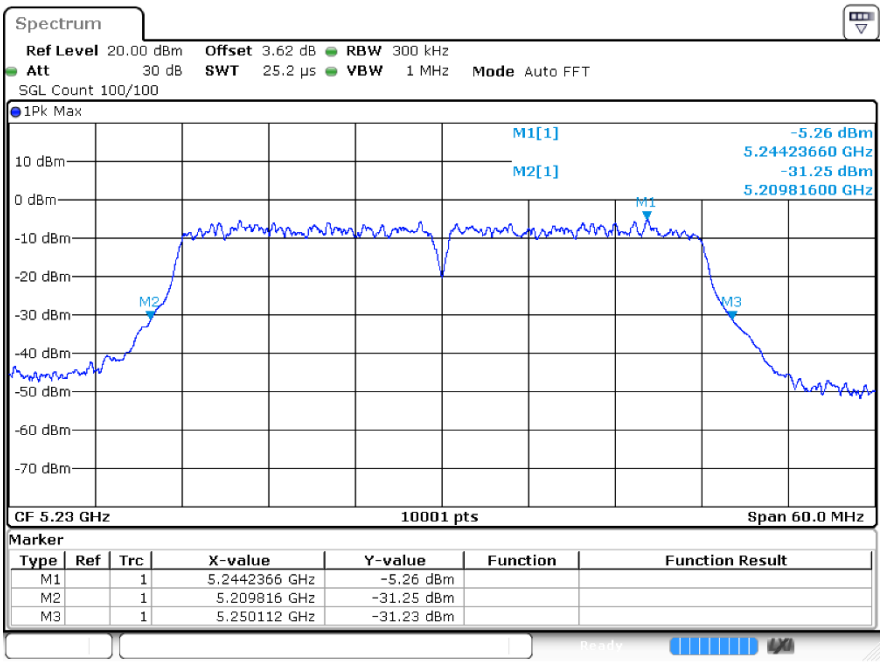
-26dB Bandwidth ac20 5240MHz Ant2



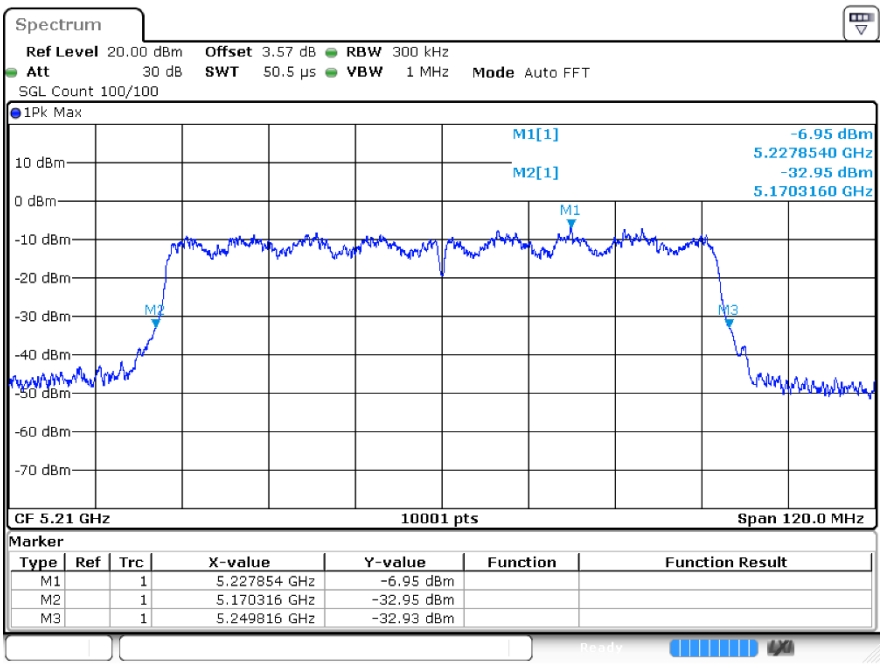
-26dB Bandwidthac40 5190MHz Ant2



-26dB Bandwidthac40 5230MHz Ant2



-26dB Bandwidthac80 5210MHz Ant2

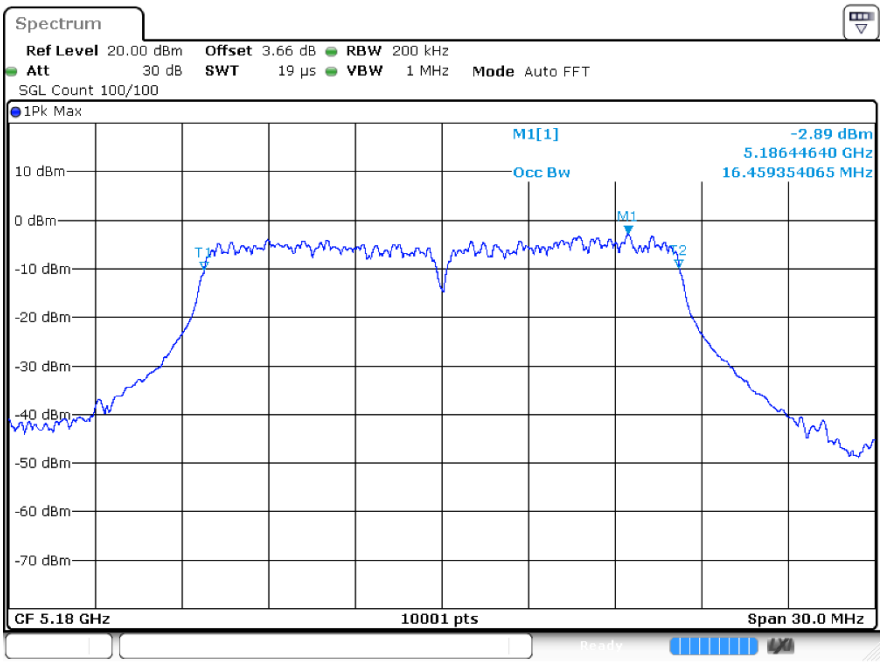
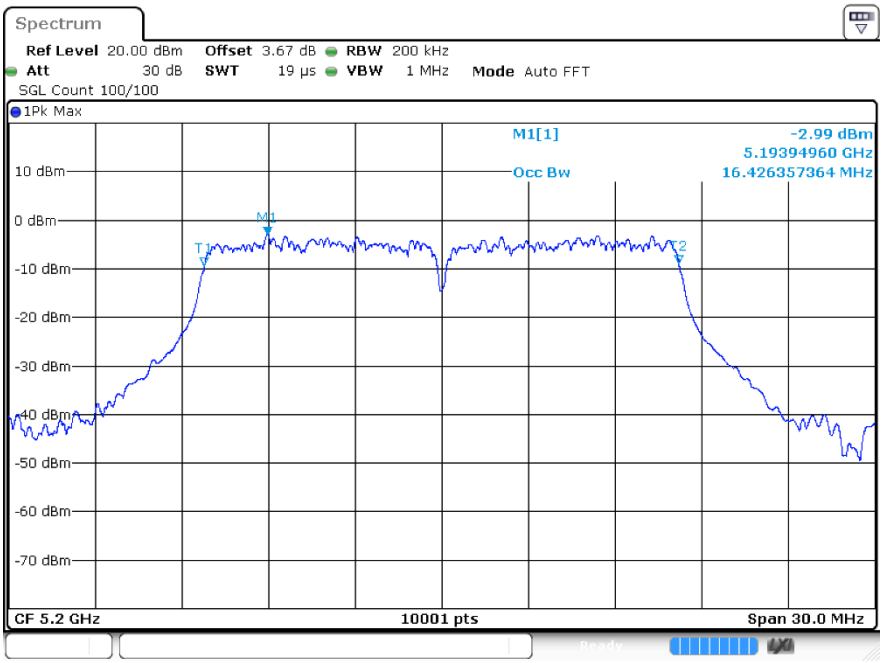


4 Occupied Channel Bandwidth

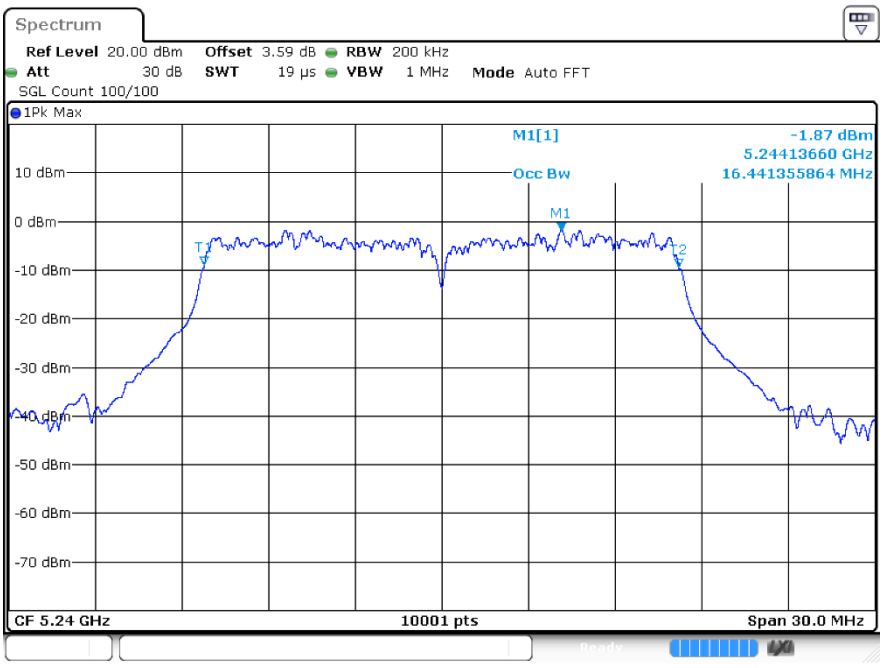
4.1 Test Result

Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
a	5180	Ant1	16.459
a	5200	Ant1	16.426
a	5240	Ant1	16.441
n20	5180	Ant1	17.62
n20	5200	Ant1	17.689
n20	5240	Ant1	17.692
n40	5190	Ant1	36.182
n40	5230	Ant1	36.158
ac20	5180	Ant1	17.641
ac20	5200	Ant1	17.572
ac20	5240	Ant1	17.599
ac40	5190	Ant1	36.05
ac40	5230	Ant1	36.218
ac80	5210	Ant1	75.304
a	5180	Ant2	16.549
a	5200	Ant2	16.444
a	5240	Ant2	16.522
n20	5180	Ant2	17.68
n20	5200	Ant2	17.647
n20	5240	Ant2	17.602
n40	5190	Ant2	36.116
n40	5230	Ant2	36.092
ac20	5180	Ant2	17.62
ac20	5200	Ant2	17.632
ac20	5240	Ant2	17.722
ac40	5190	Ant2	36.356
ac40	5230	Ant2	35.984
ac80	5210	Ant2	75.412

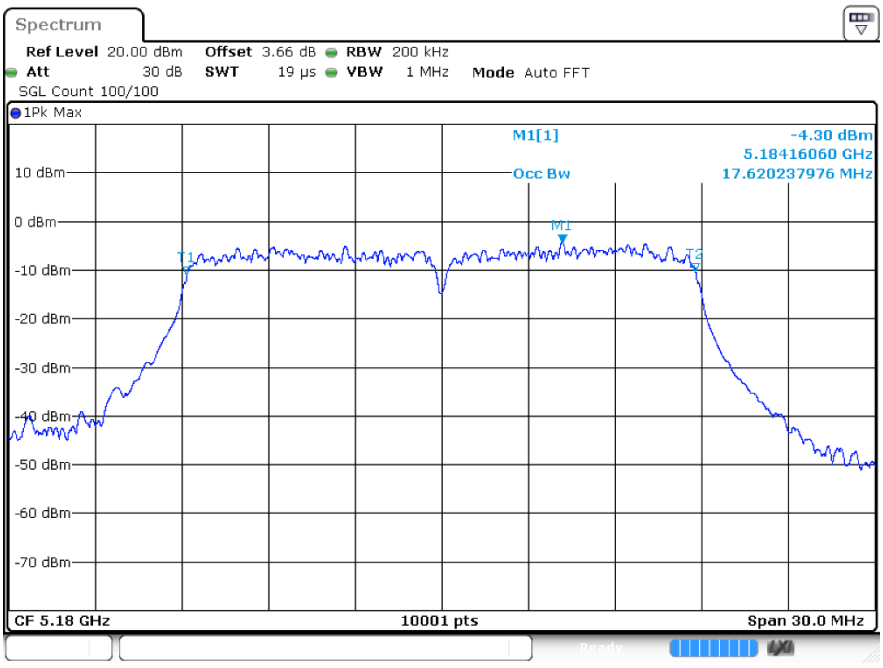
4.2 Test Graphs

Test Graphs
OBWa 5180MHz Ant1

OBWa 5200MHz Ant1


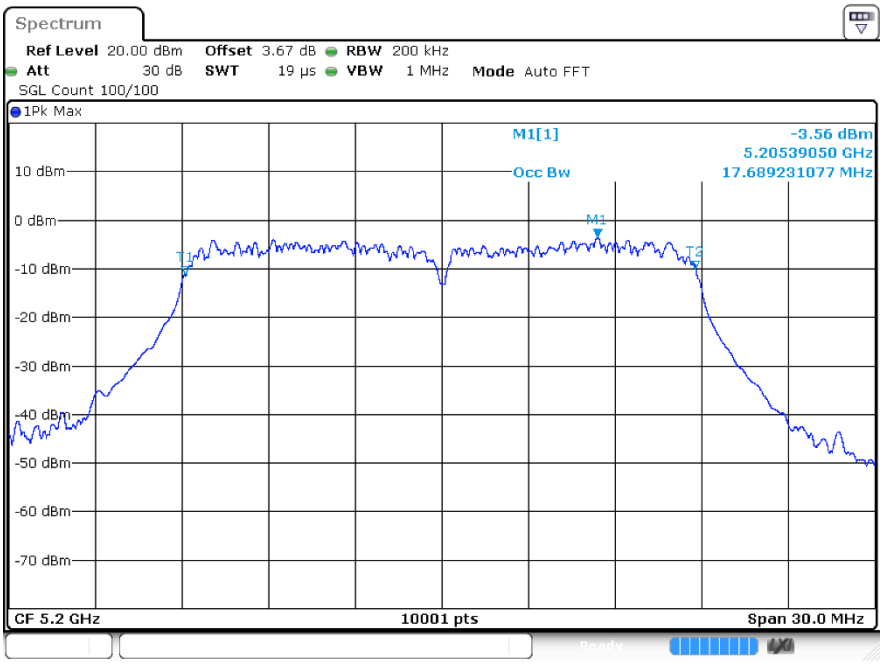
OBWa 5240MHz Ant1



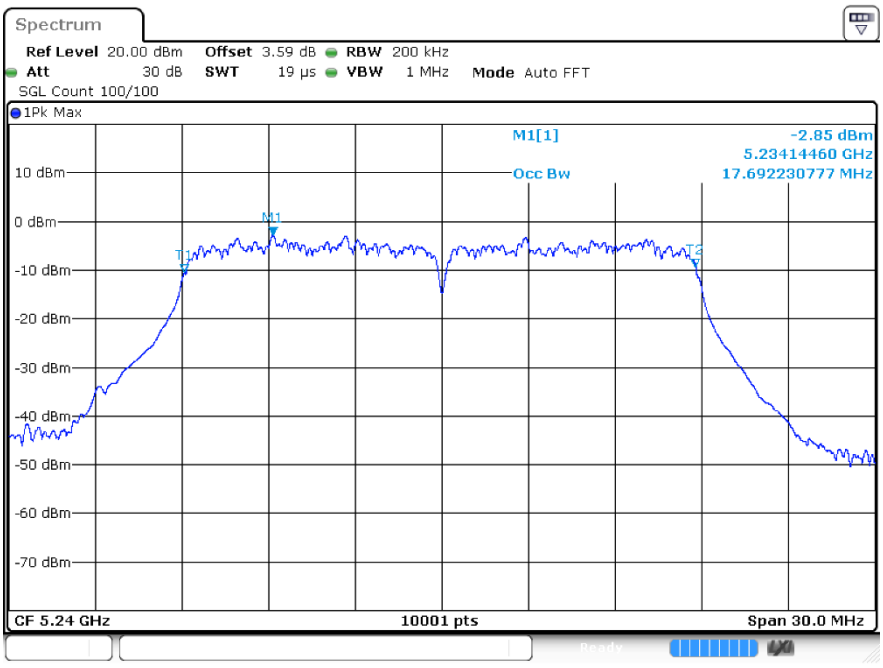
OBW n20 5180MHz Ant1



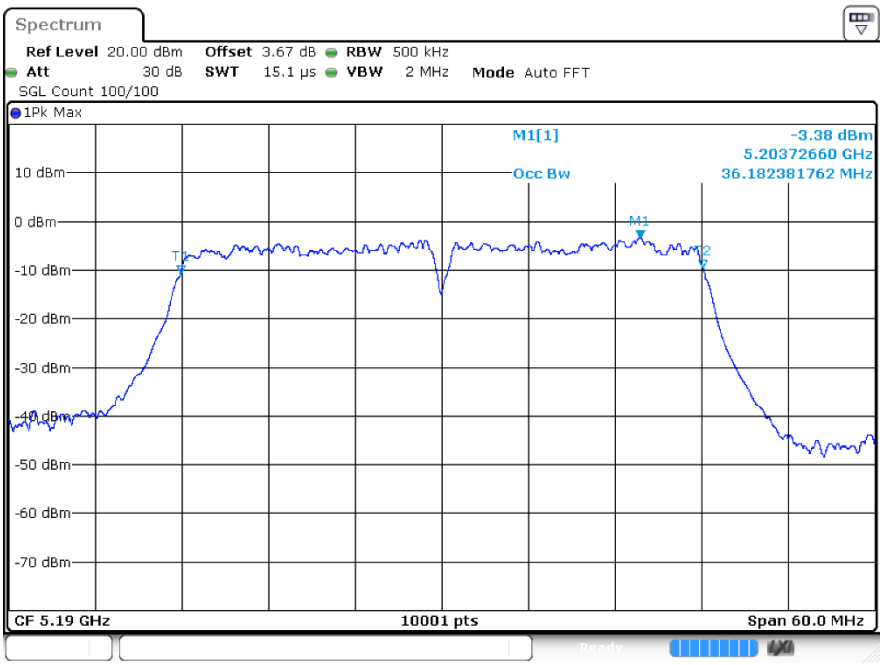
OBW n20 5200MHz Ant1



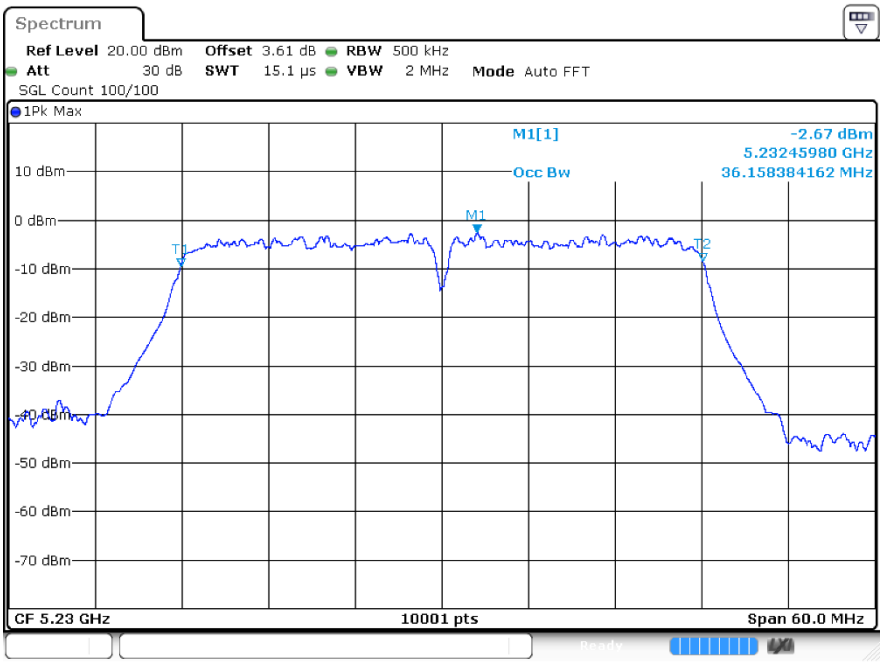
OBW n20 5240MHz Ant1



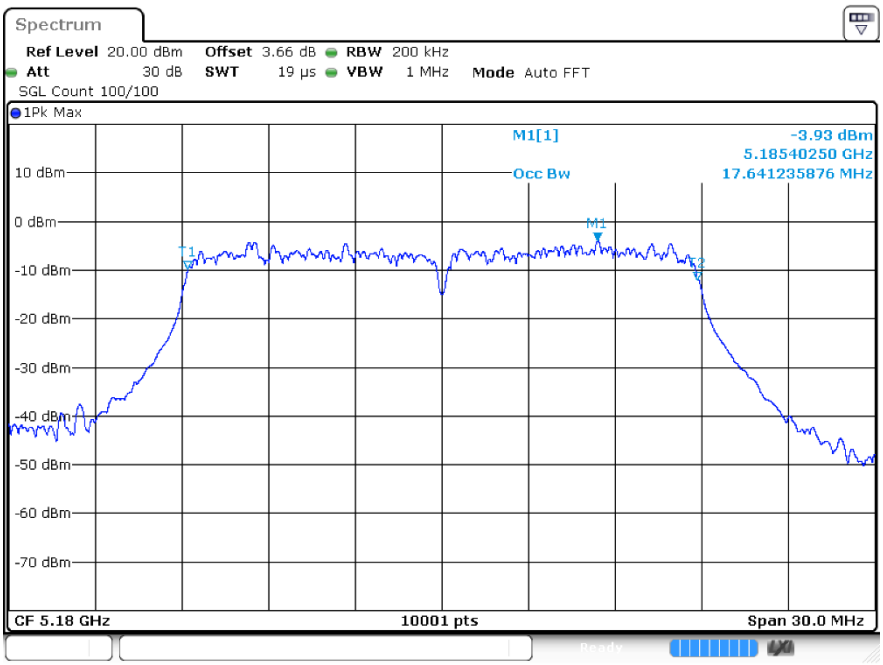
OBWn40 5190MHz Ant1



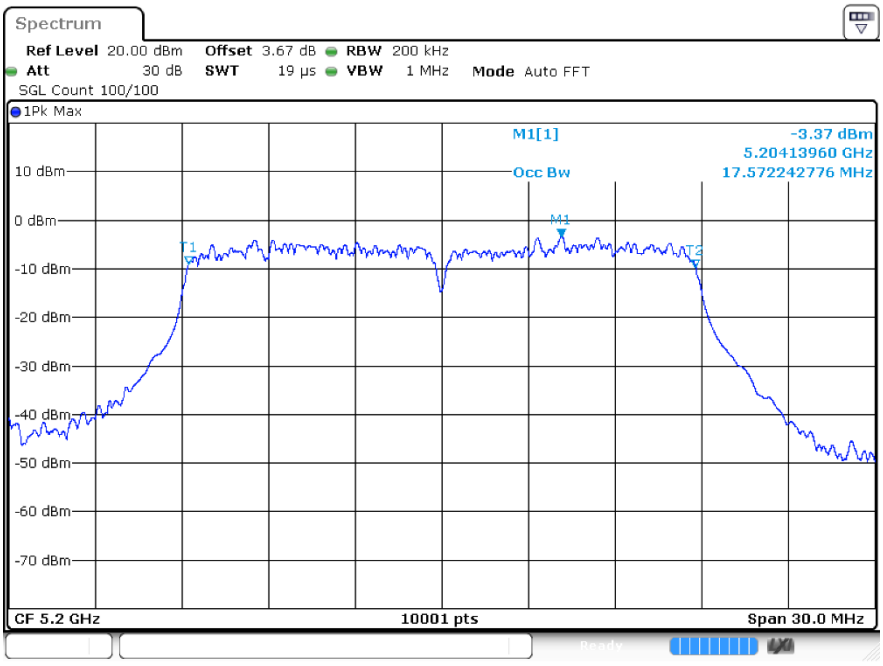
OBWn40 5230MHz Ant1



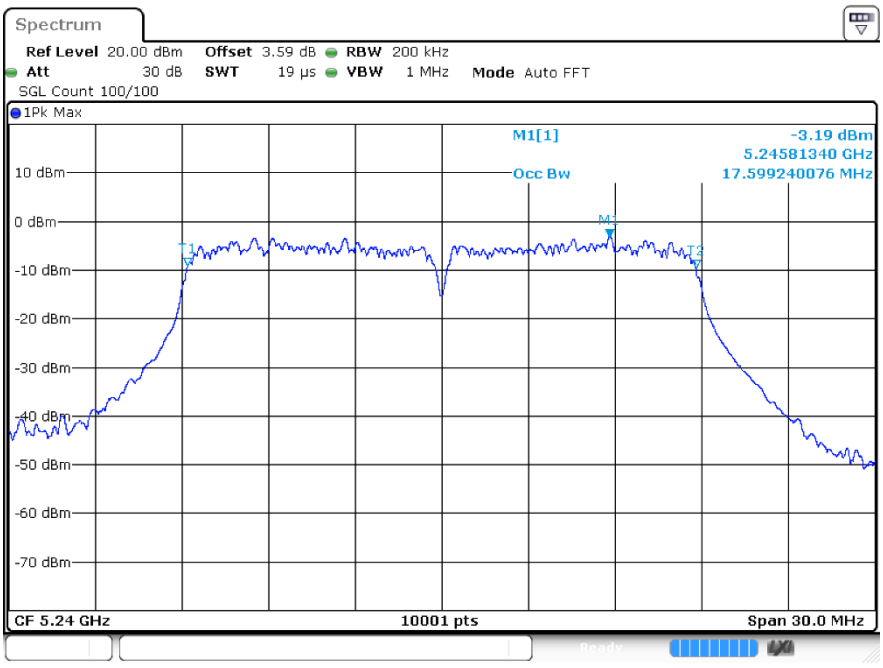
OBW ac20 5180MHz Ant1



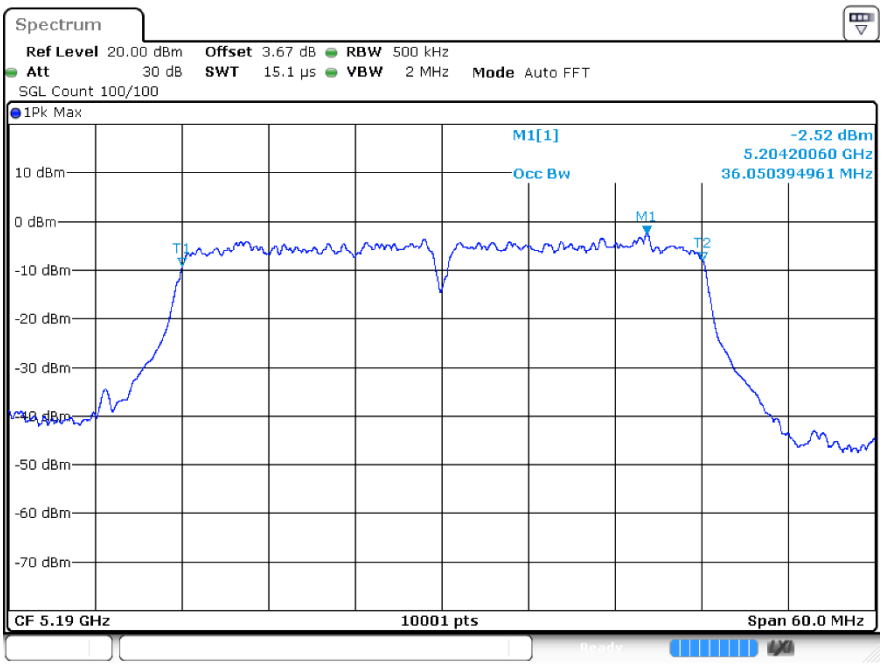
OBW ac20 5200MHz Ant1



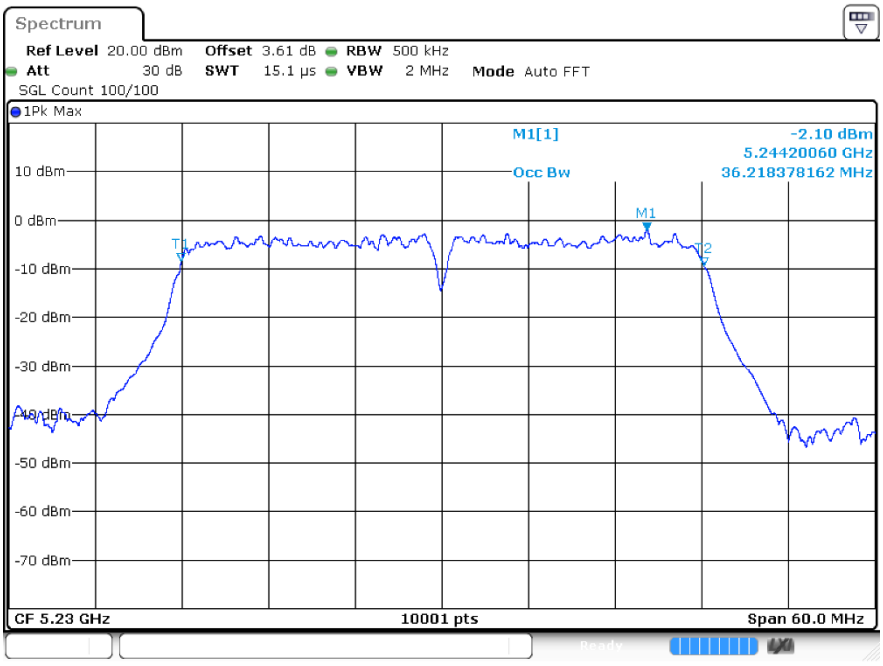
OBW ac20 5240MHz Ant1



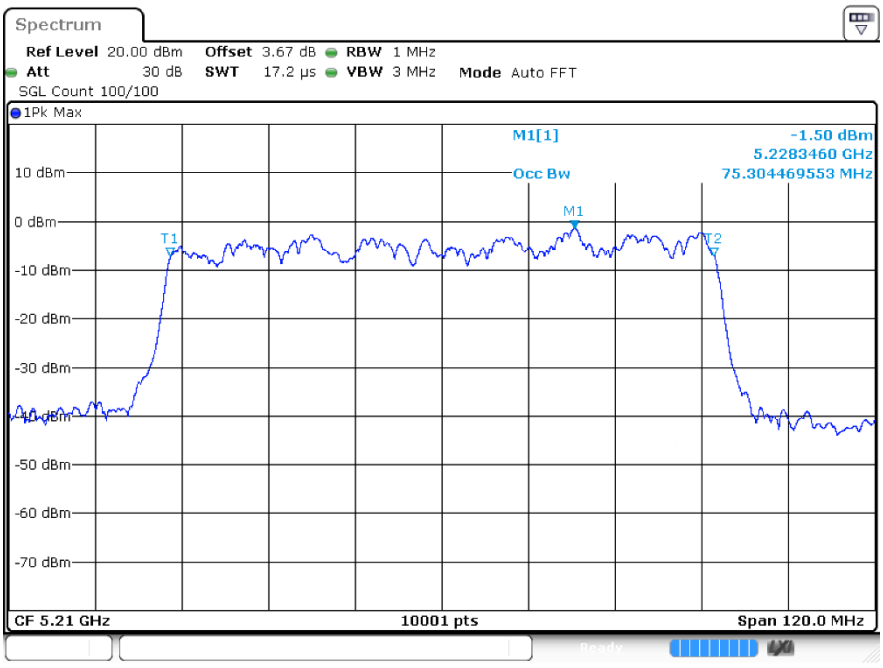
OBWac40 5190MHz Ant1



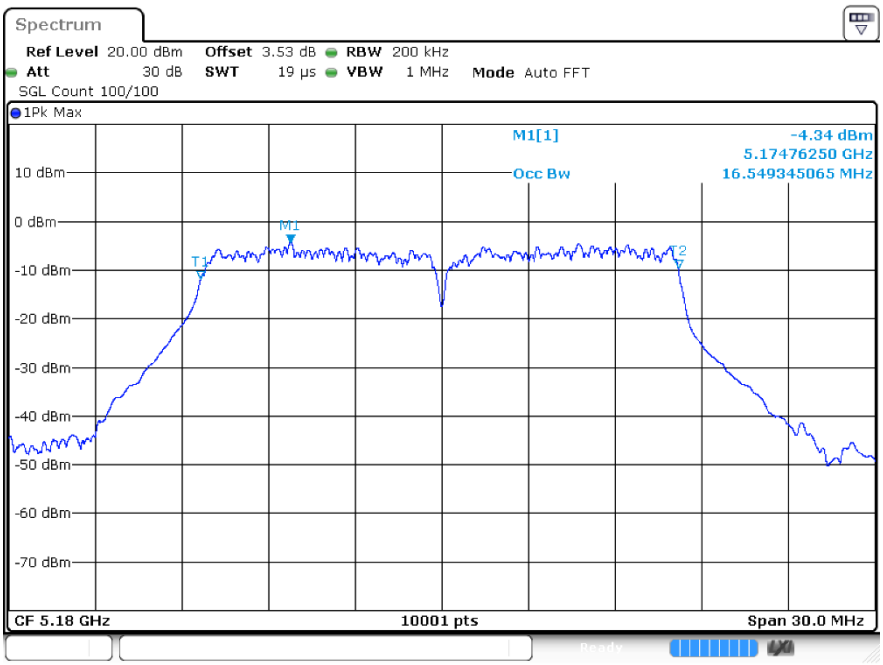
OBWac40 5230MHz Ant1



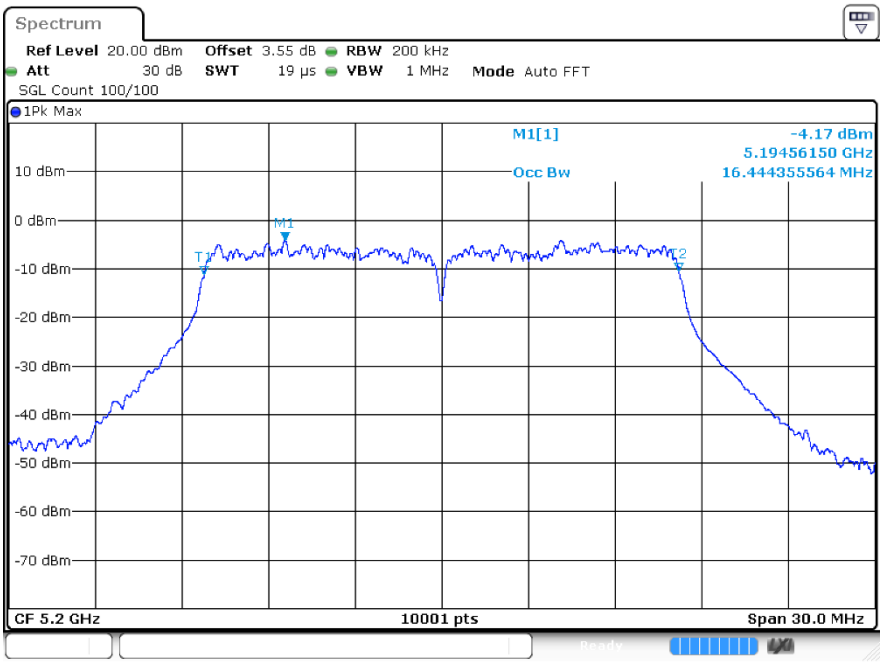
OBWac80 5210MHz Ant1



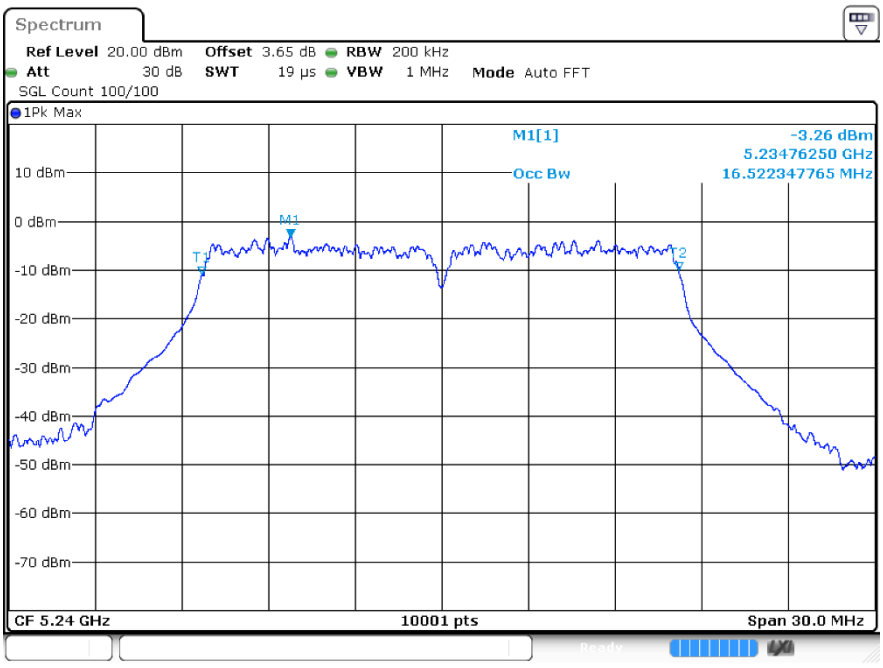
OBWa 5180MHz Ant2



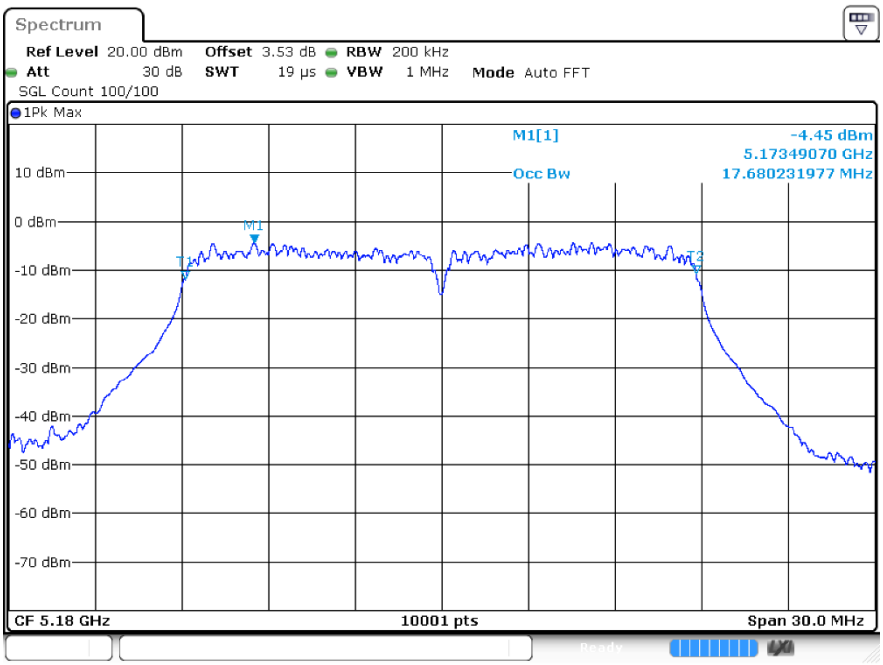
OBWa 5200MHz Ant2



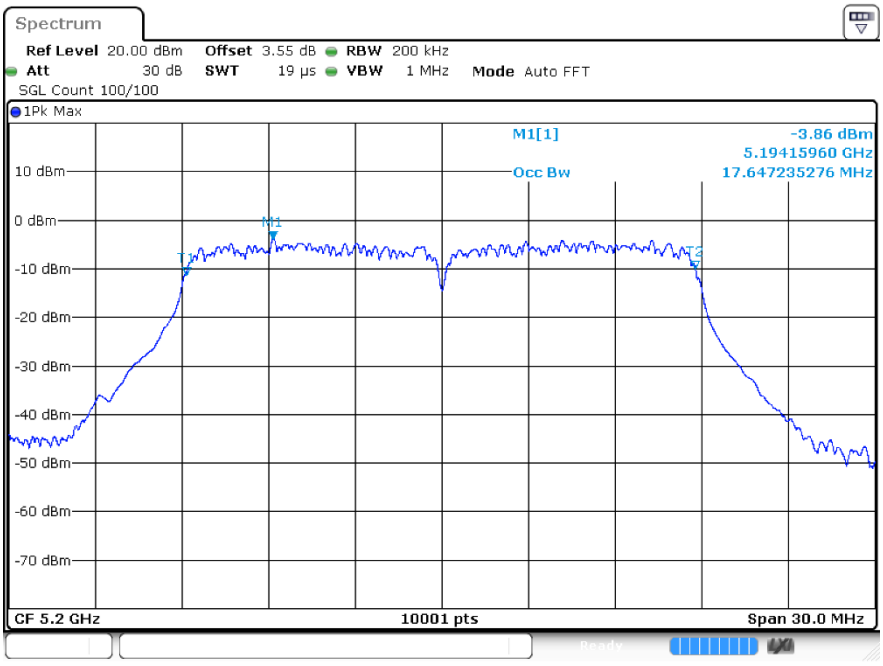
OBWa 5240MHz Ant2



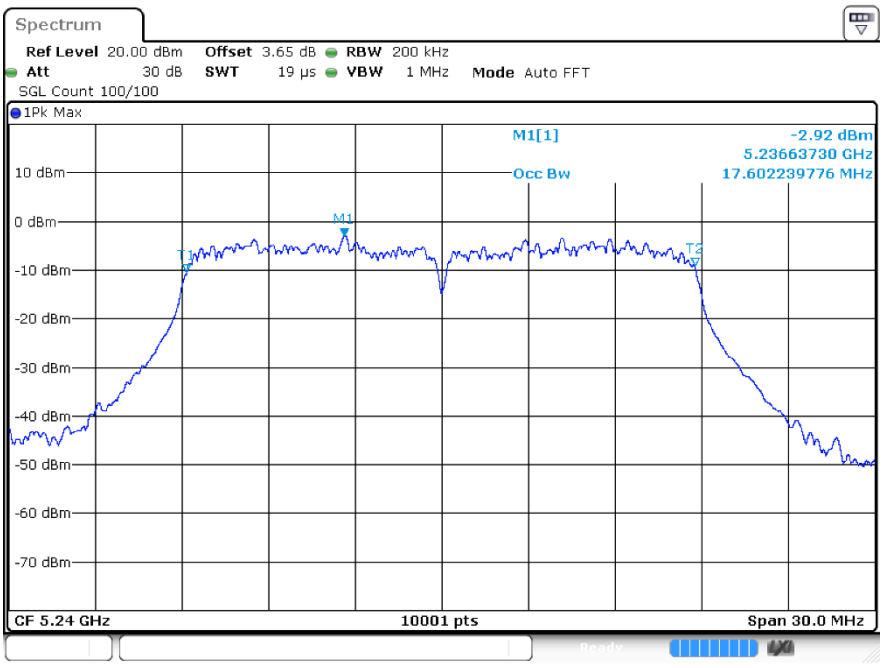
OBW n20 5180MHz Ant2



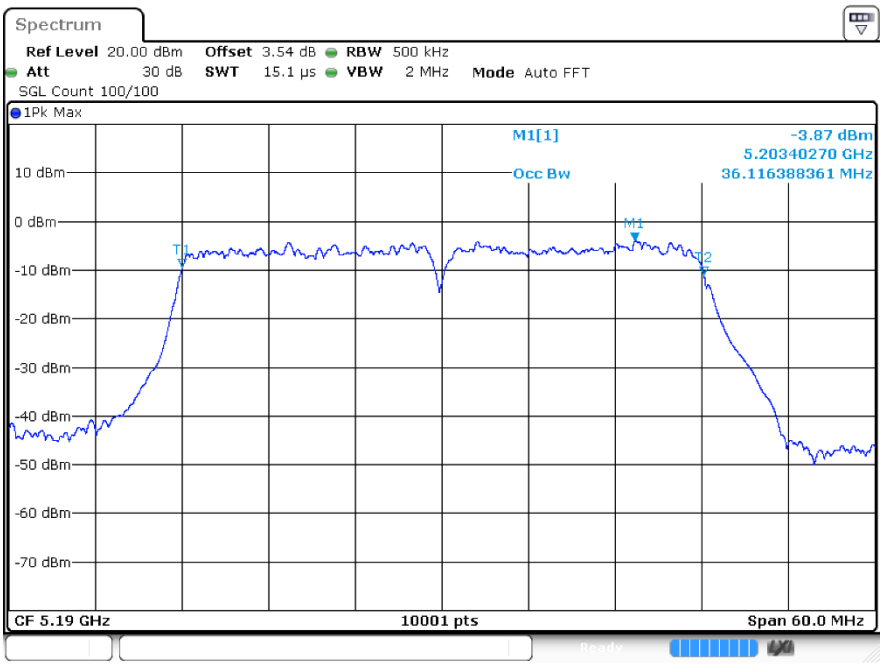
OBW n20 5200MHz Ant2



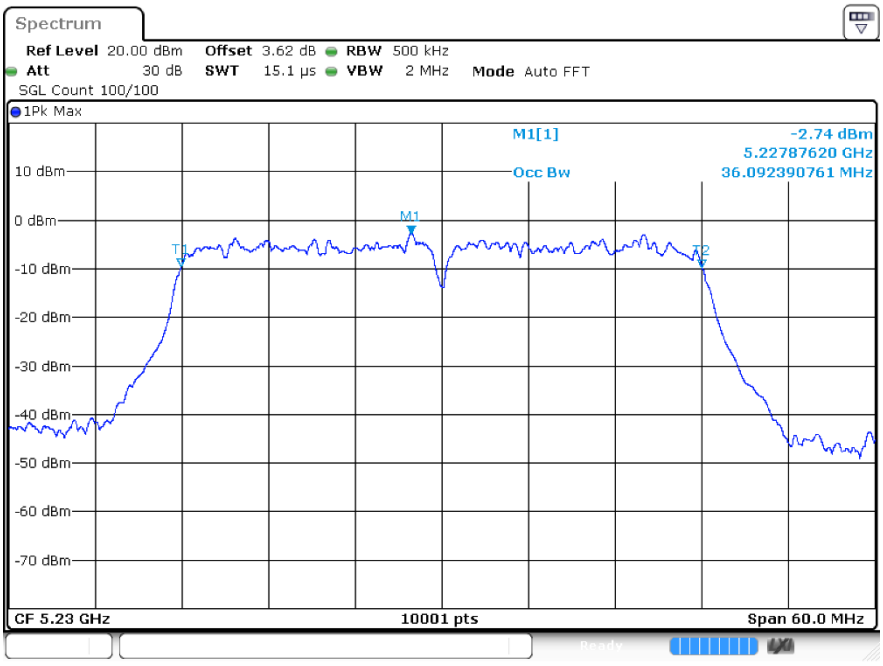
OBW n20 5240MHz Ant2



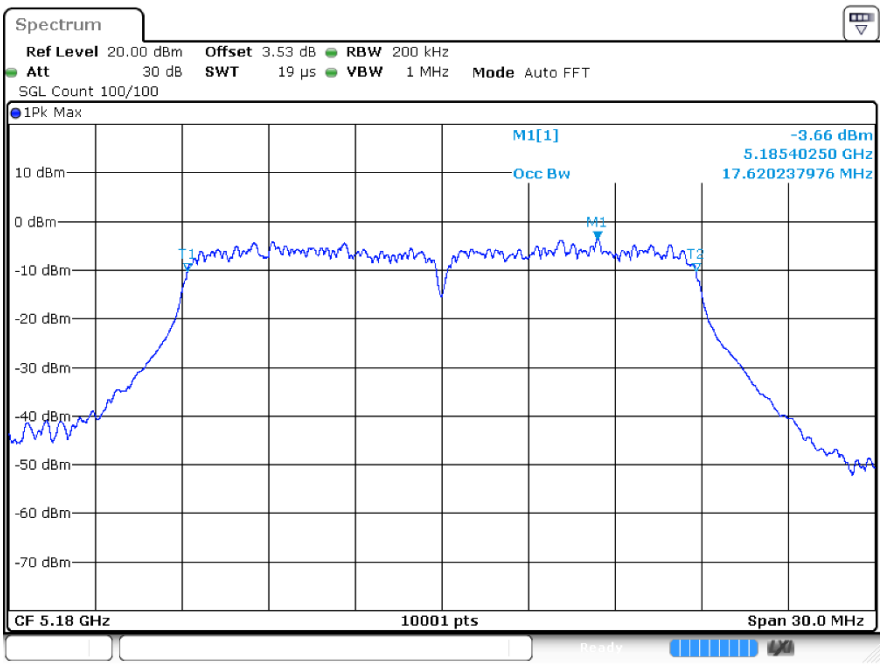
OBWn40 5190MHz Ant2



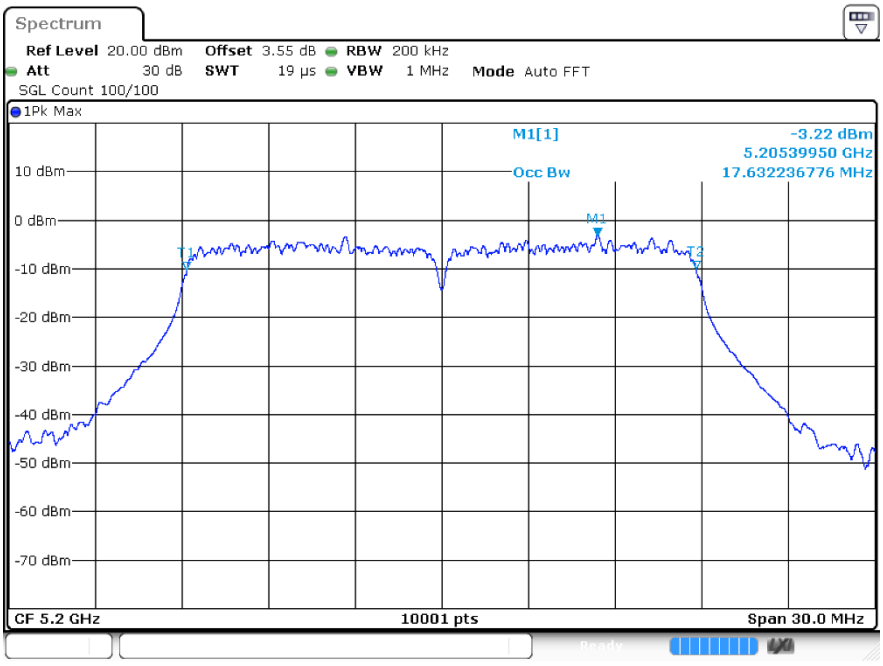
OBWn40 5230MHz Ant2



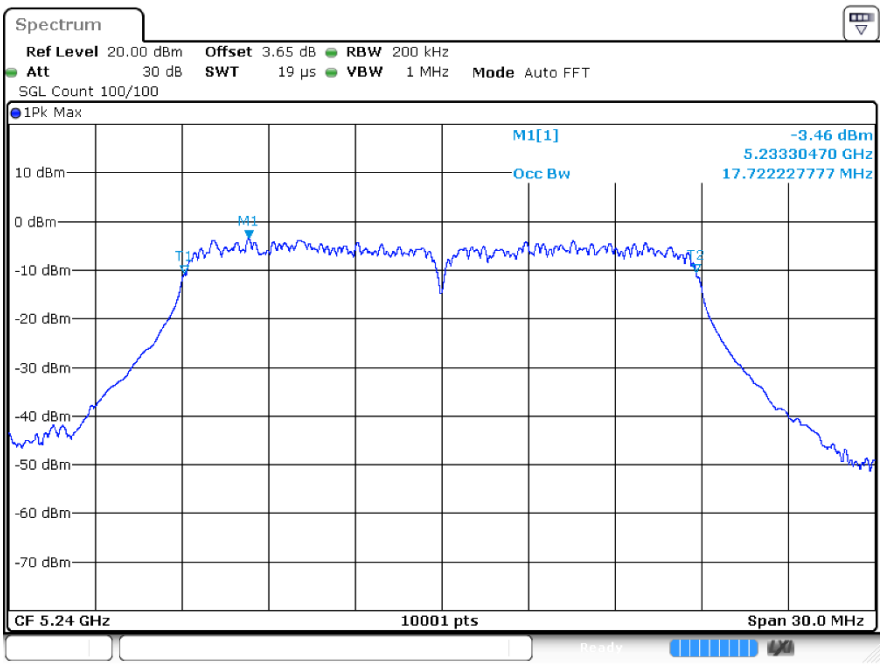
OBW ac20 5180MHz Ant2



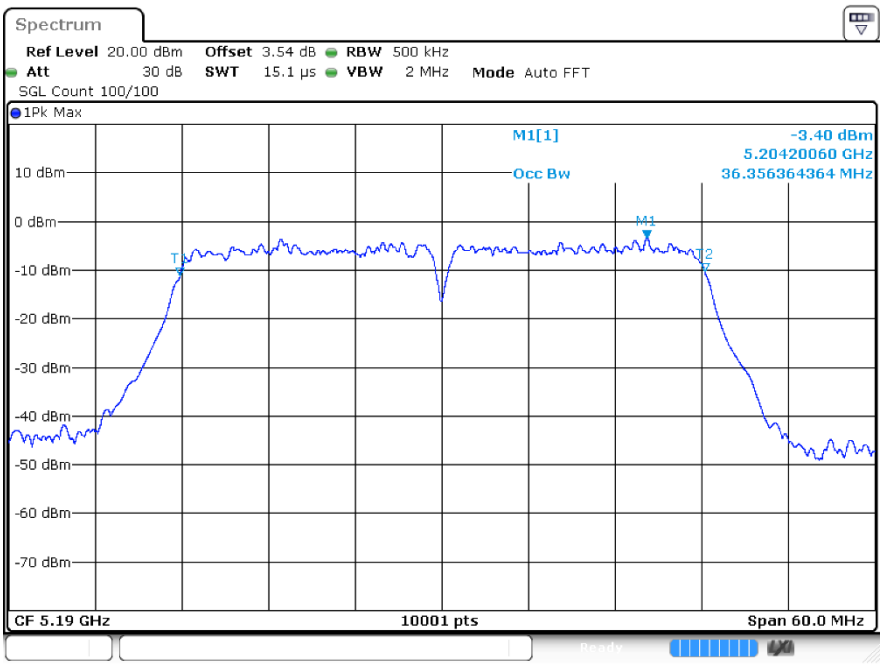
OBW ac20 5200MHz Ant2



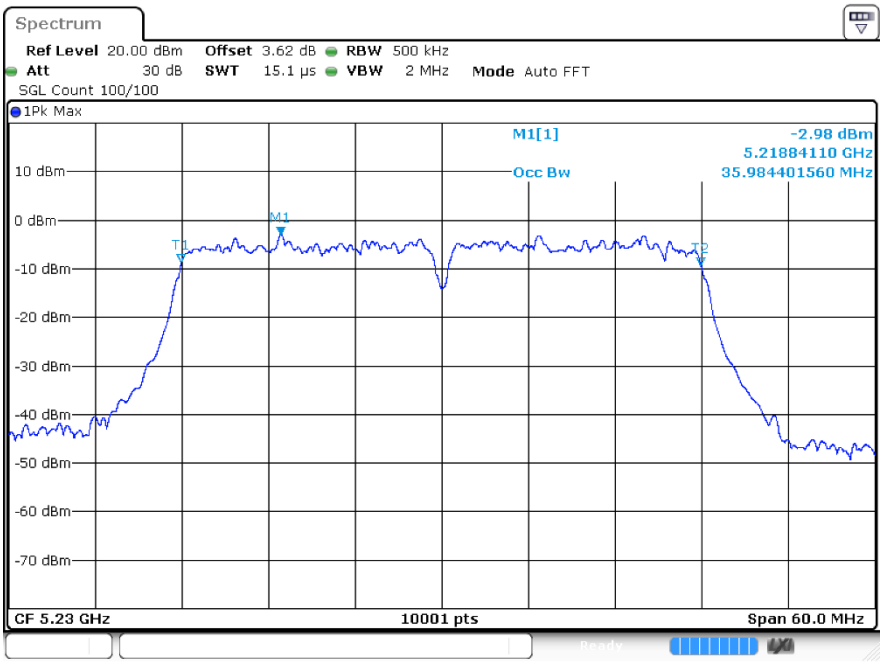
OBW ac20 5240MHz Ant2



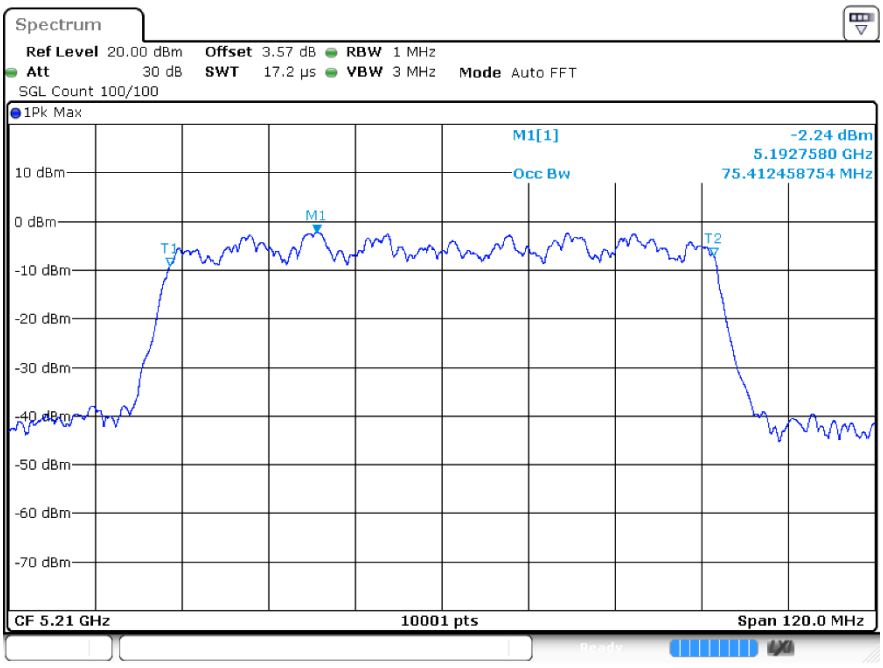
OBWac40 5190MHz Ant2



OBWac40 5230MHz Ant2



OBWac80 5210MHz Ant2



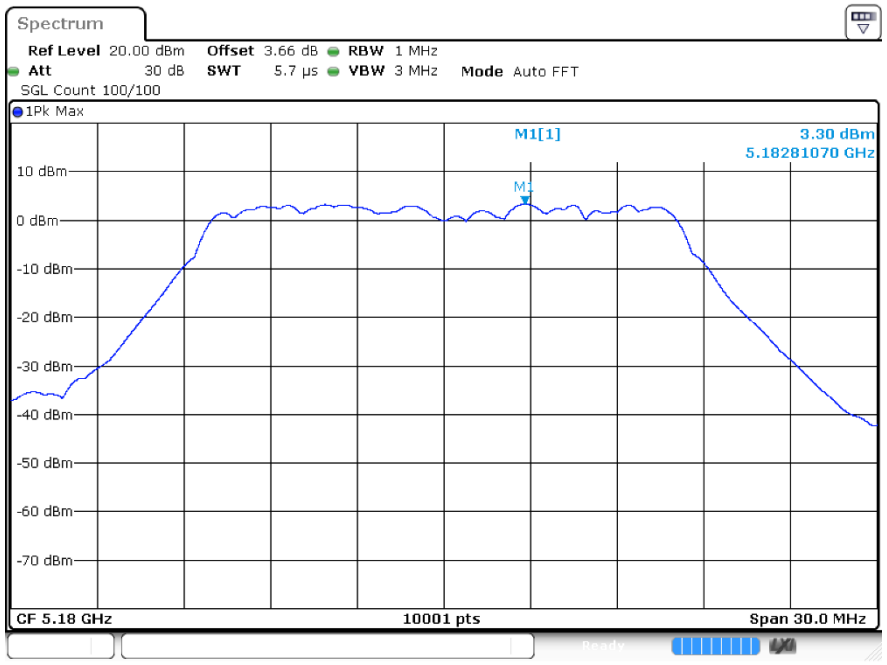
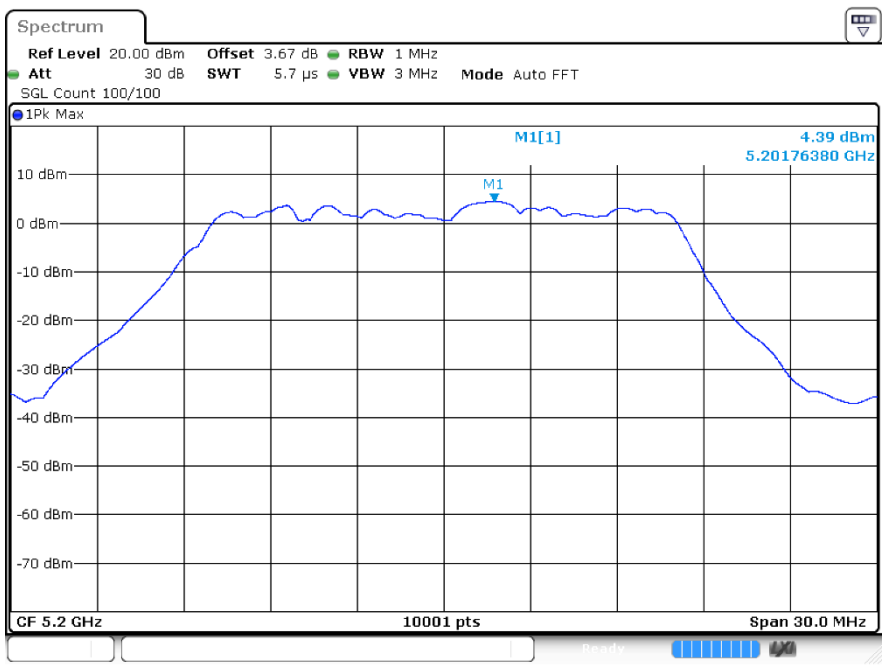
5 Maximum Power Spectral Density Level

5.1 Test Result

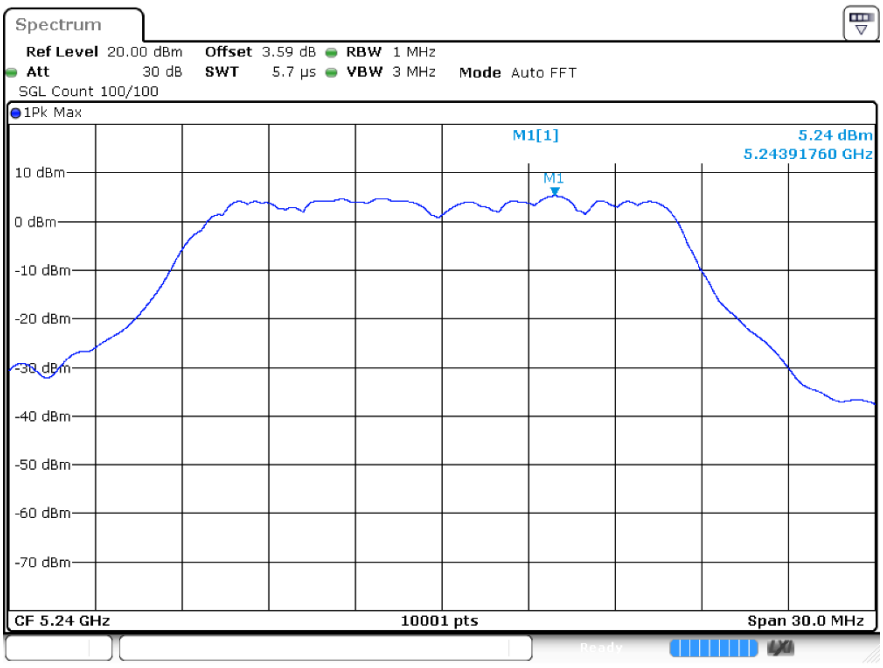
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	3.3	0	3.3	11	Pass
a	5200	Ant1	4.39	0	4.39	11	Pass
a	5240	Ant1	5.24	0	5.24	11	Pass
a	5180	Ant2	2.67	0	2.67	11	Pass
a	5200	Ant2	3.22	0	3.22	11	Pass
a	5240	Ant2	3.43	0	3.43	11	Pass
n20	5180	Ant1	3.46	0	3.46	11	Pass
n20	5180	Ant2	3.32	0	3.32	11	Pass
n20	5180	Sum	-	-	6.40	11	Pass
n20	5200	Ant1	3.61	0	3.61	11	Pass
n20	5200	Ant2	3.52	0	3.52	11	Pass
n20	5200	Sum	-	-	6.58	11	Pass
n20	5240	Ant1	4.22	0	4.22	11	Pass
n20	5240	Ant2	4.36	0	4.36	11	Pass
n20	5240	Sum	-	-	7.30	11	Pass
n40	5190	Ant1	-0.03	0	-0.03	11	Pass
n40	5190	Ant2	-0.51	0	-0.51	11	Pass
n40	5190	Sum	-	-	2.75	11	Pass
n40	5230	Ant1	0.71	0	0.71	11	Pass
n40	5230	Ant2	0.09	0	0.09	11	Pass
n40	5230	Sum	-	-	3.42	11	Pass
ac20	5180	Ant1	3.57	0	3.57	11	Pass
ac20	5180	Ant2	3.51	0	3.51	11	Pass
ac20	5180	Sum	-	-	6.55	11	Pass
ac20	5200	Ant1	3.59	0	3.59	11	Pass
ac20	5200	Ant2	3.95	0	3.95	11	Pass
ac20	5200	Sum	-	-	6.78	11	Pass
ac20	5240	Ant1	4.32	0	4.32	11	Pass
ac20	5240	Ant2	4.29	0	4.29	11	Pass
ac20	5240	Sum	-	-	7.32	11	Pass
ac40	5190	Ant1	0.38	0	0.38	11	Pass
ac40	5190	Ant2	0.05	0	0.05	11	Pass
ac40	5190	Sum	-	-	3.23	11	Pass
ac40	5230	Ant1	0.89	0	0.89	11	Pass
ac40	5230	Ant2	-0.11	0	-0.11	11	Pass
ac40	5230	Sum	-	-	3.47	11	Pass

ac80	5210	Ant1	-2.21	0	-2.21	11	Pass
ac80	5210	Ant2	-1.96	0	-1.96	11	Pass
ac80	5210	Sum	-	-	0.96	11	Pass

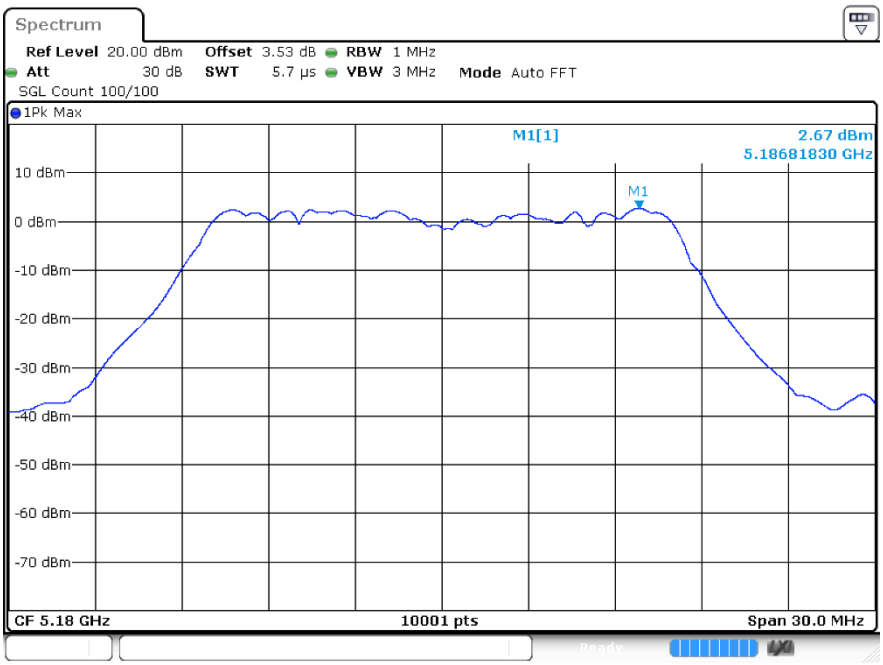
5.2 Test Graphs

Test Graphs
PSDa 5180MHz Ant1

PSD a 5200MHz Ant1


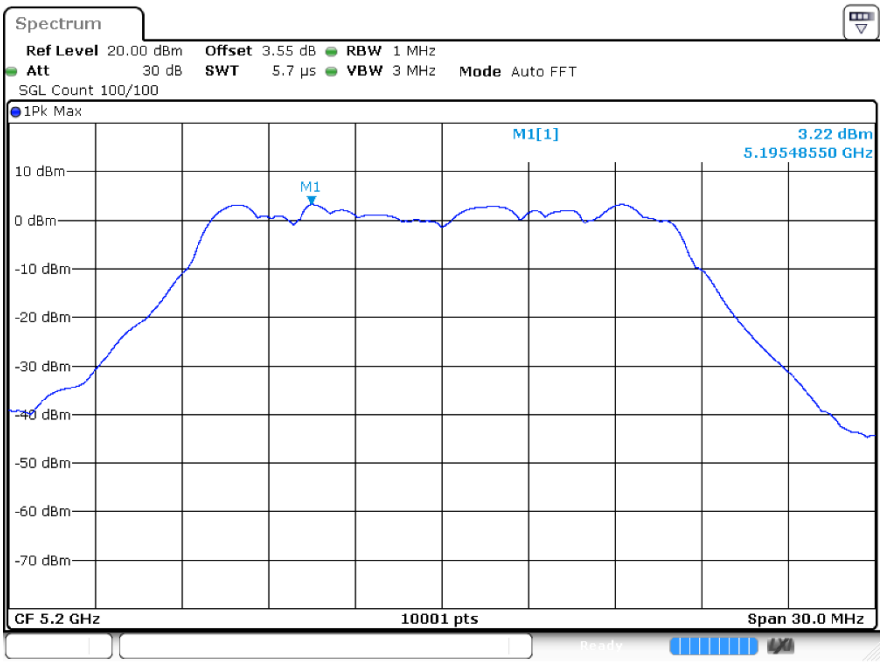
PSDa 5240MHz Ant1



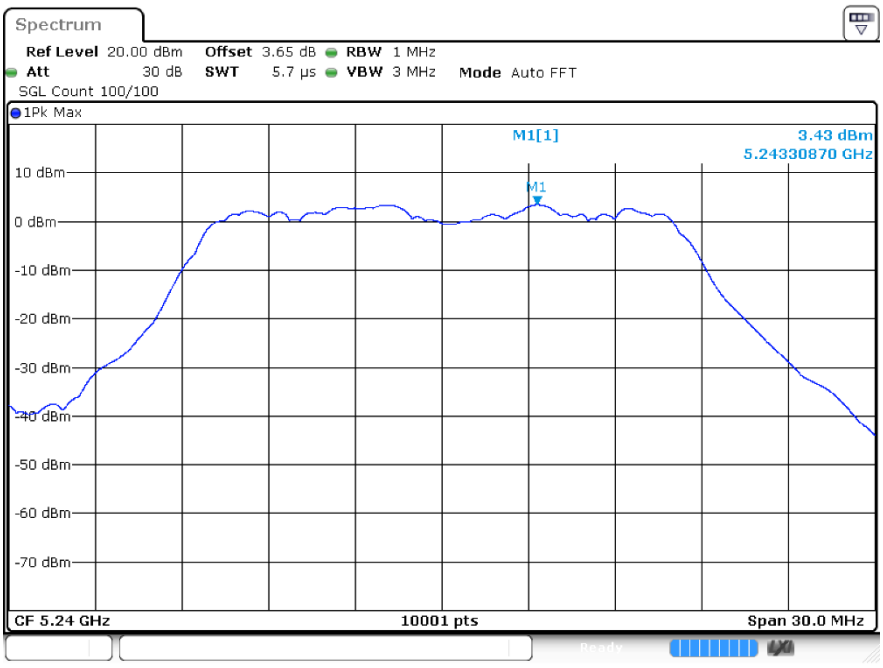
PSDa 5180MHz Ant2



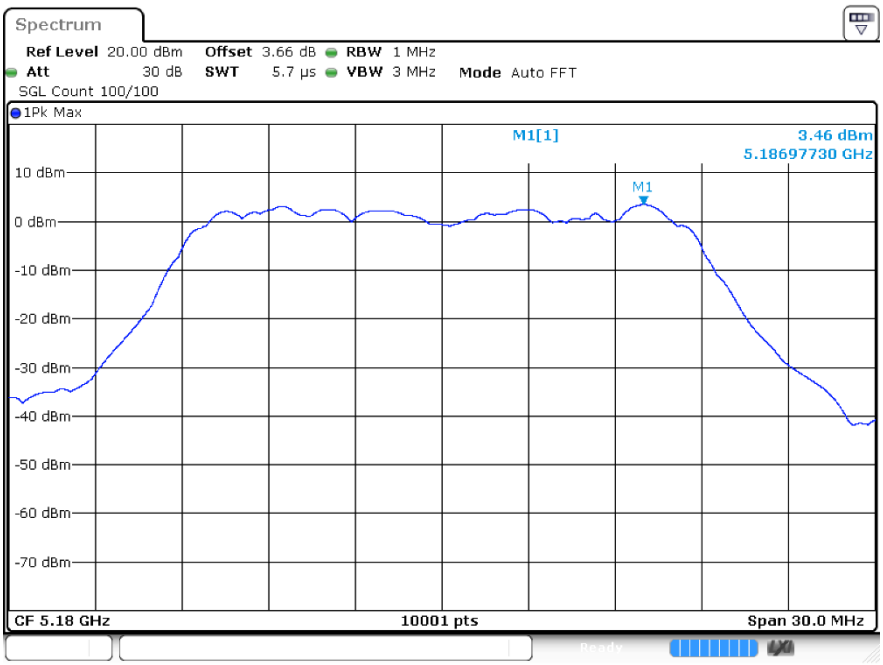
PSD a 5200MHz Ant2



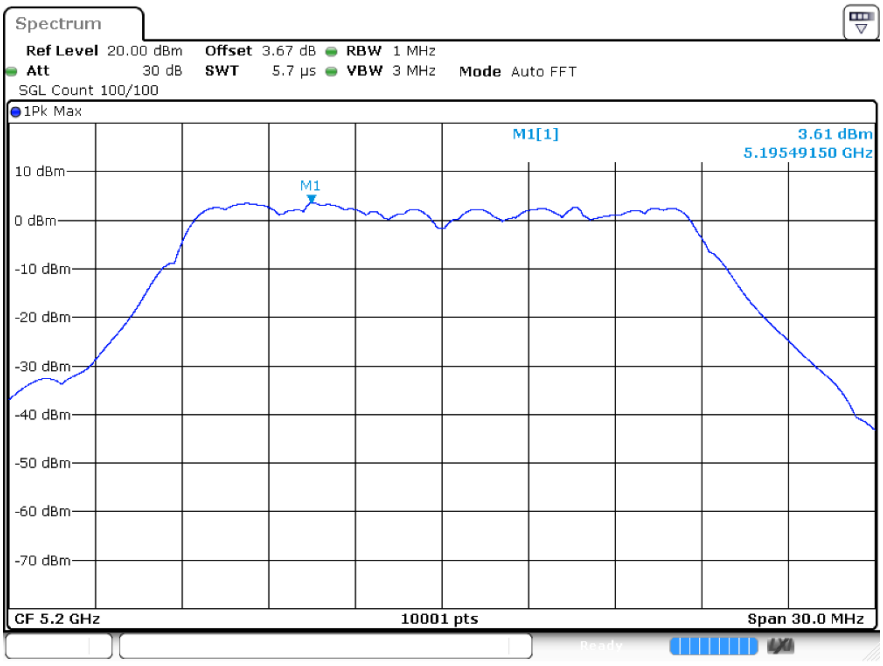
PSDa 5240MHz Ant2



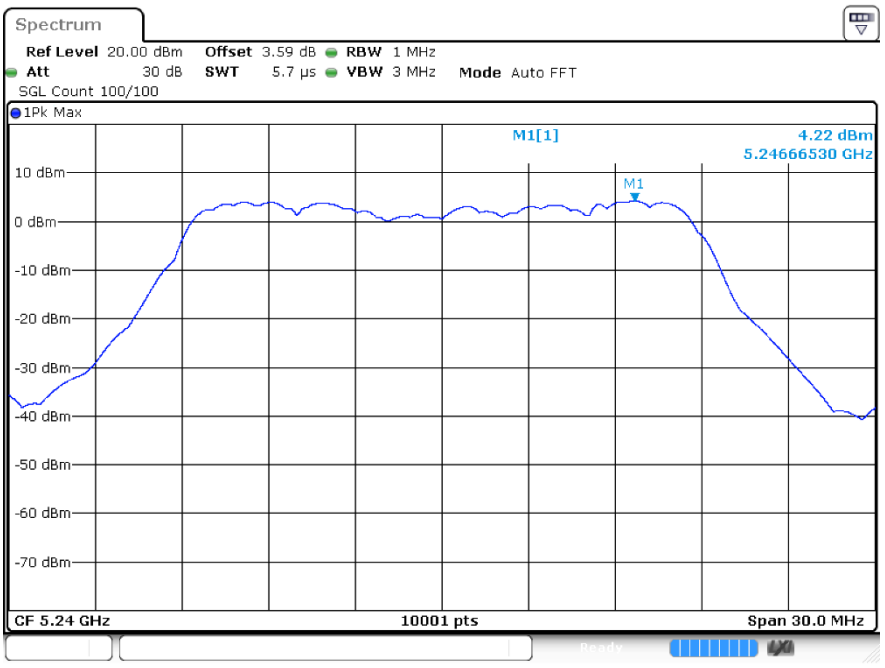
PSD n20 5180MHz Ant1



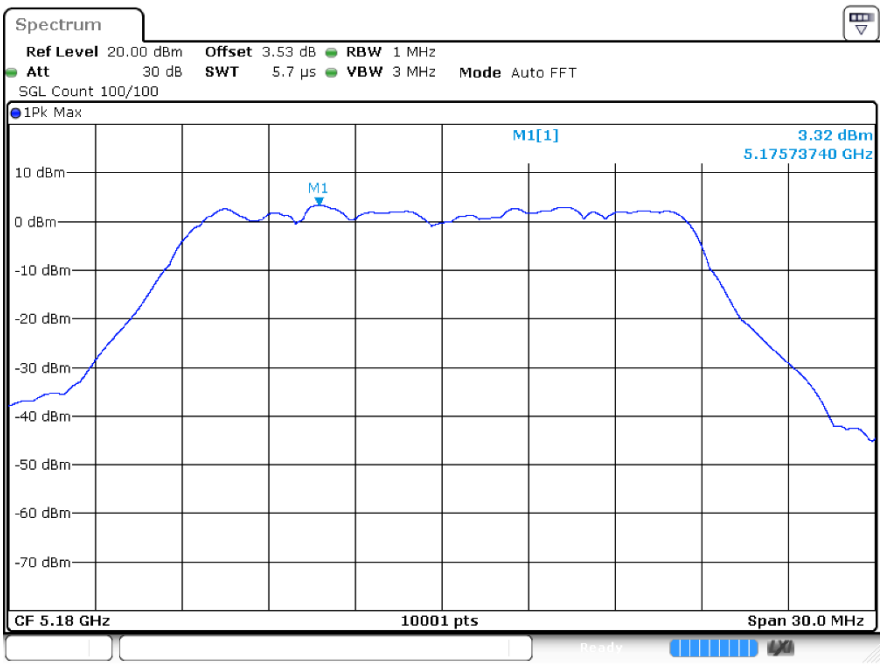
PSD n20 5200MHz Ant1



PSD n20 5240MHz Ant1



PSD n20 5180MHz Ant2



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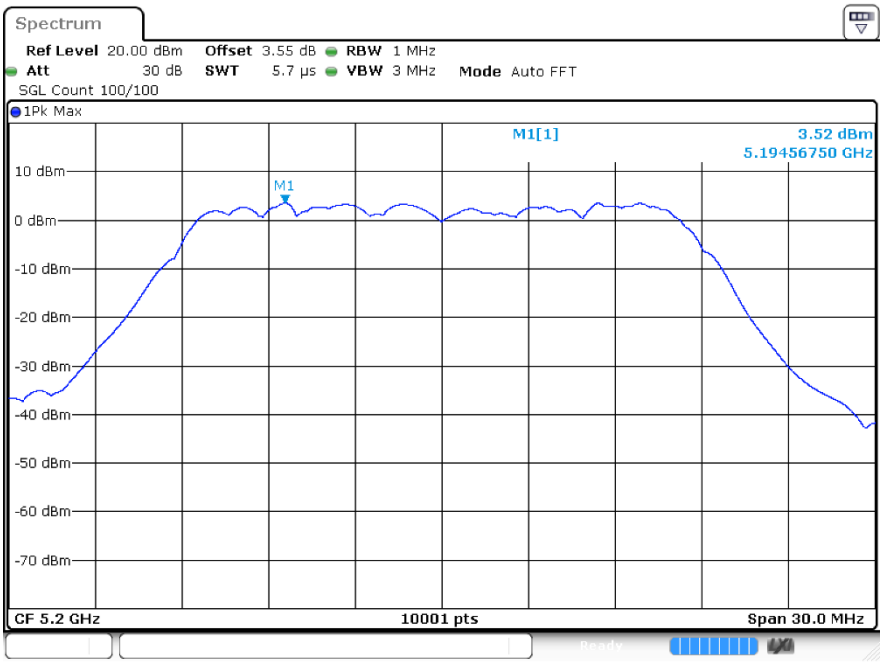
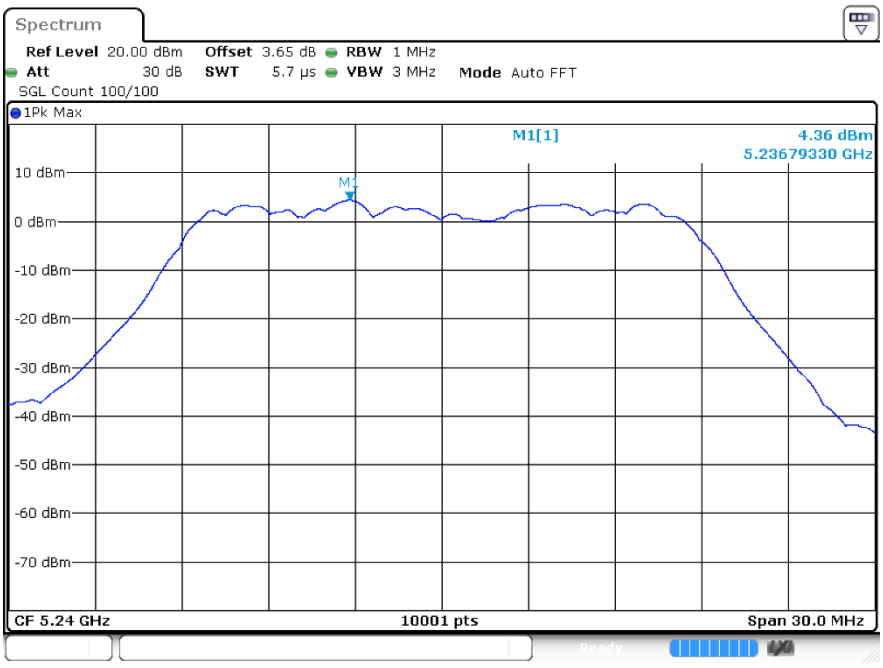
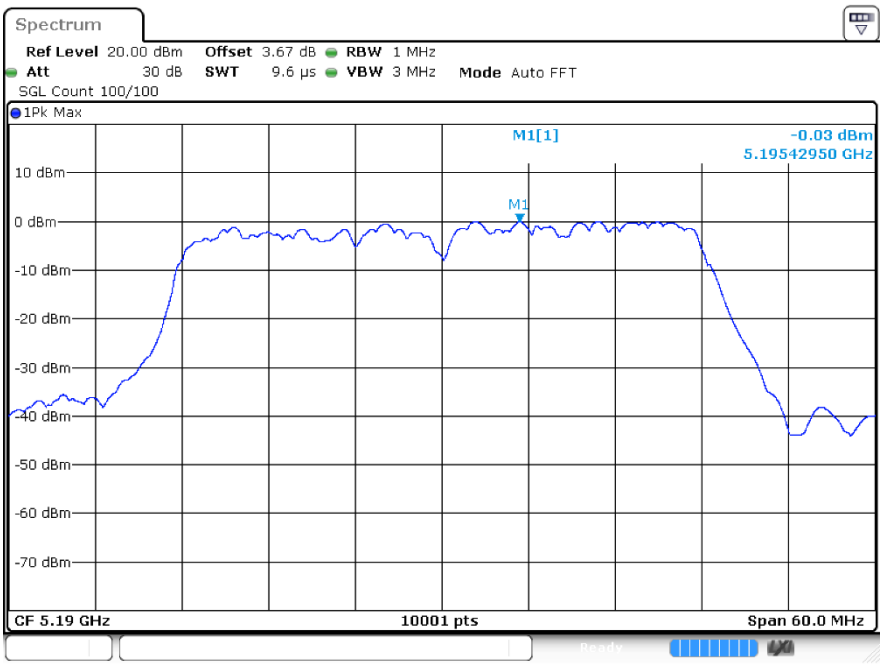


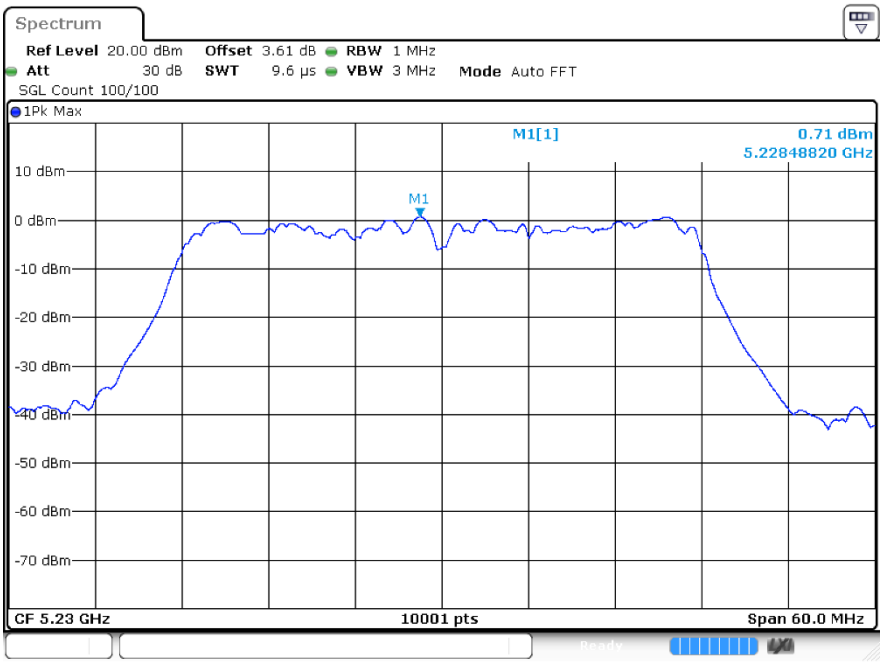
PSD n20 5240MHz Ant2



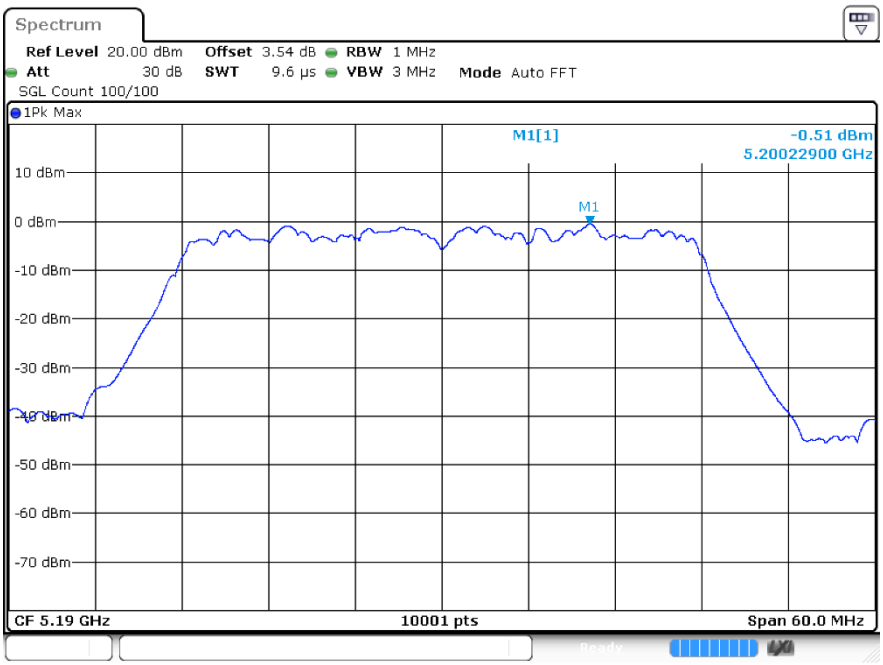
PSDn40 5190MHz Ant1



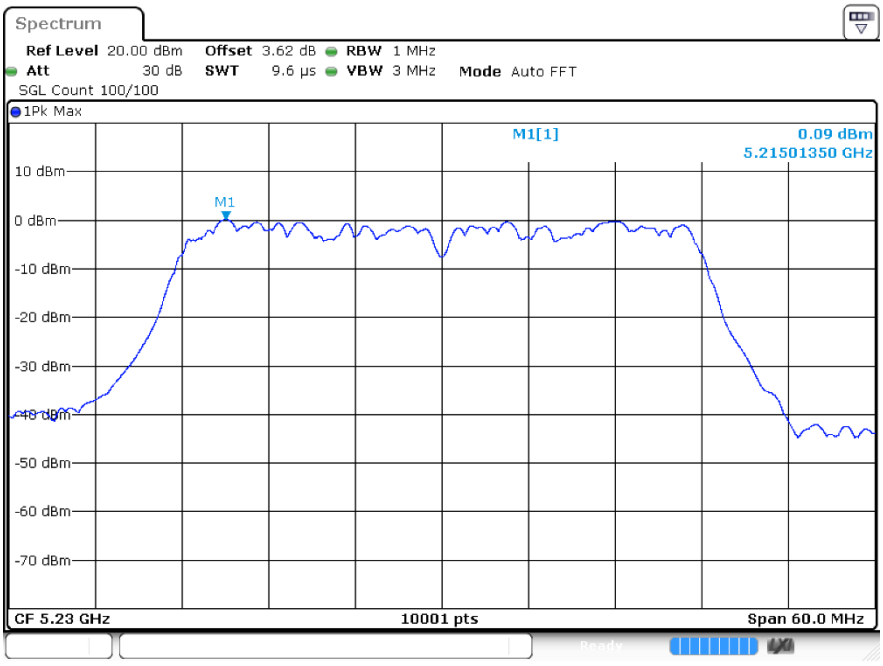
PSDn40 5230MHz Ant1



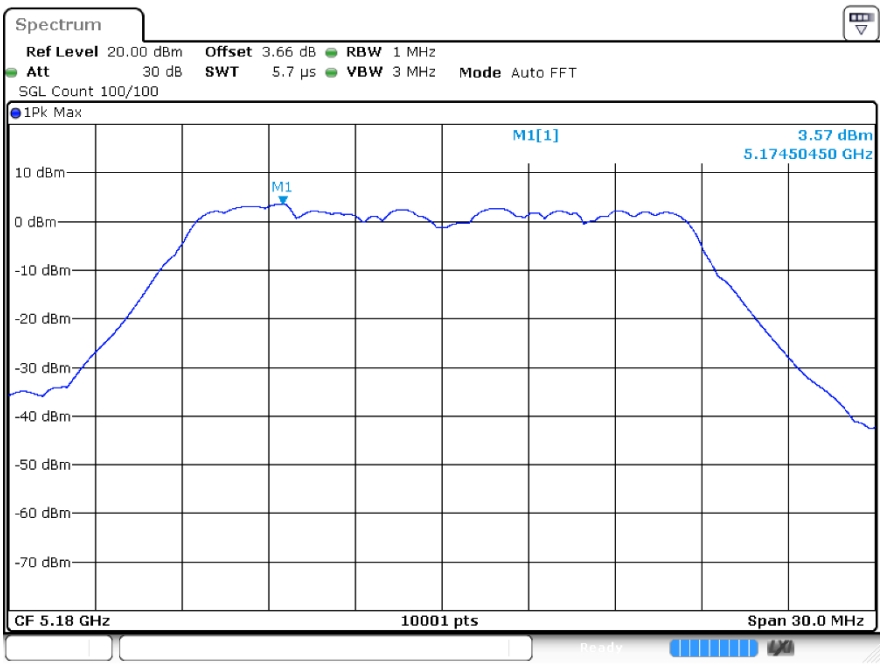
PSDn40 5190MHz Ant2



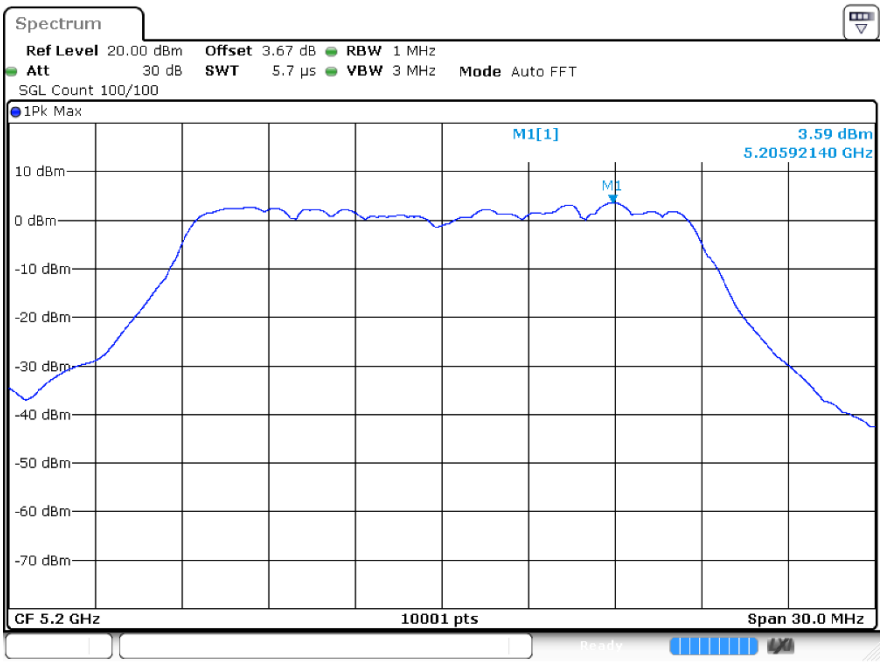
PSDn40 5230MHz Ant2



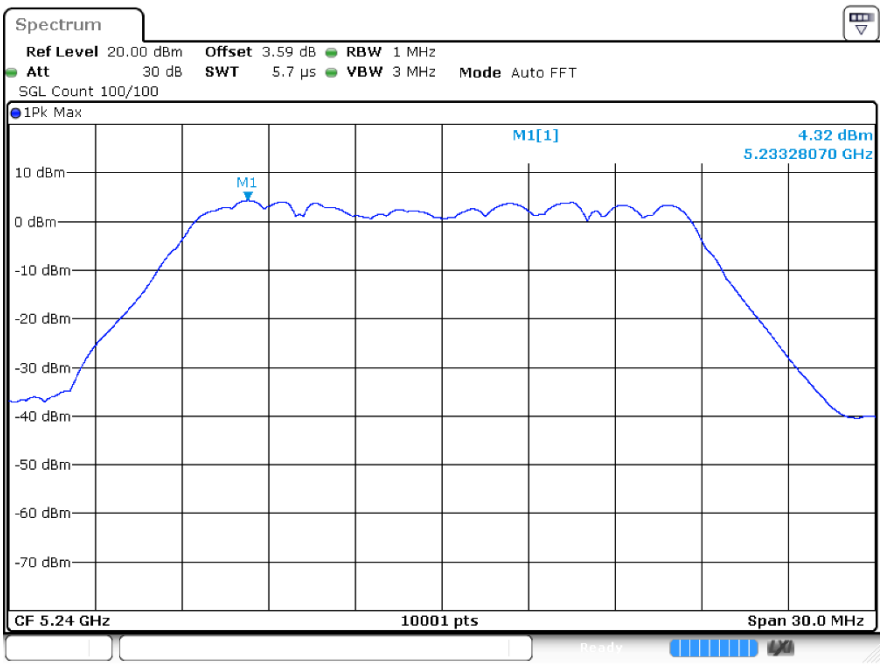
PSD ac20 5180MHz Ant1



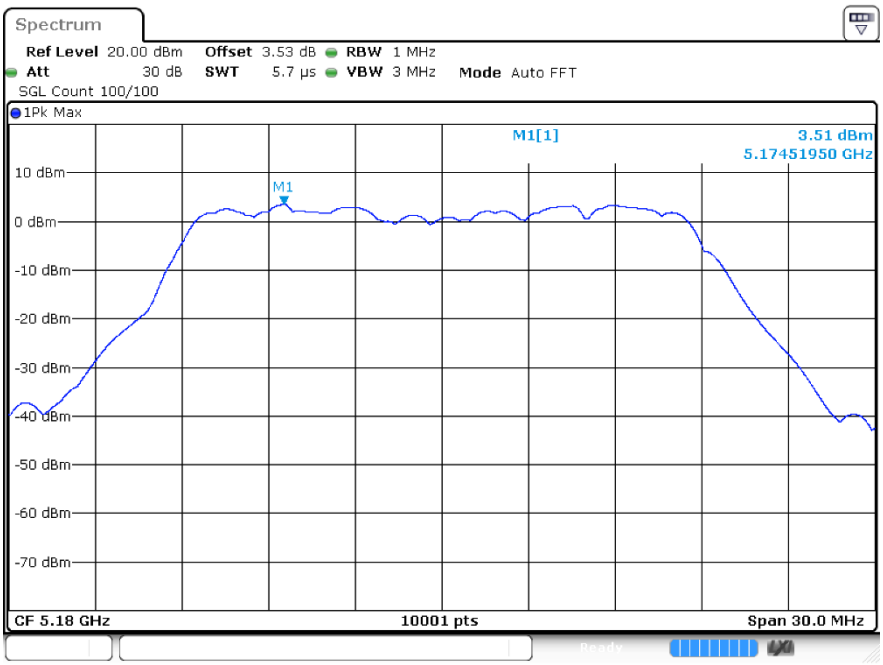
PSD ac20 5200MHz Ant1



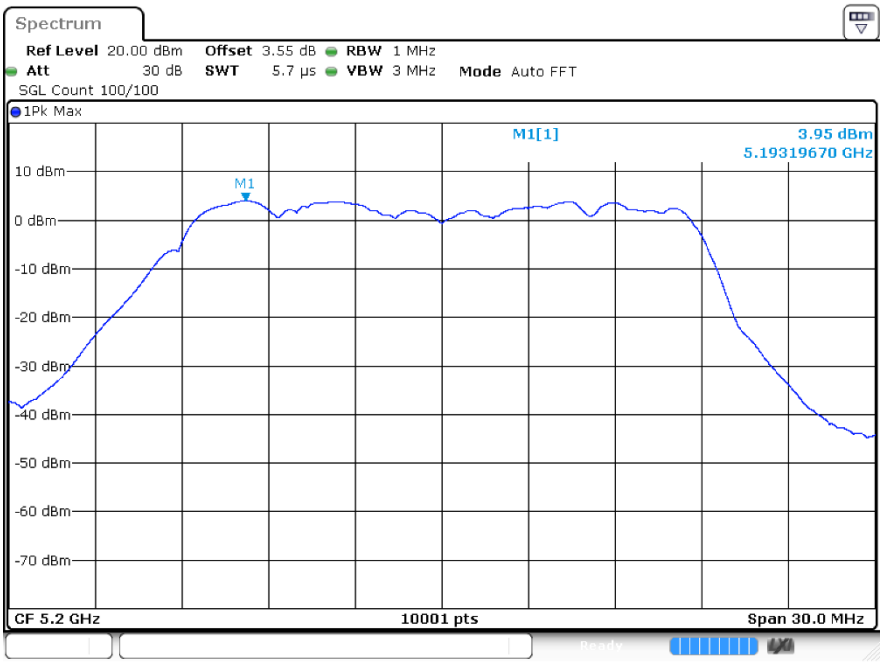
PSD ac20 5240MHz Ant1



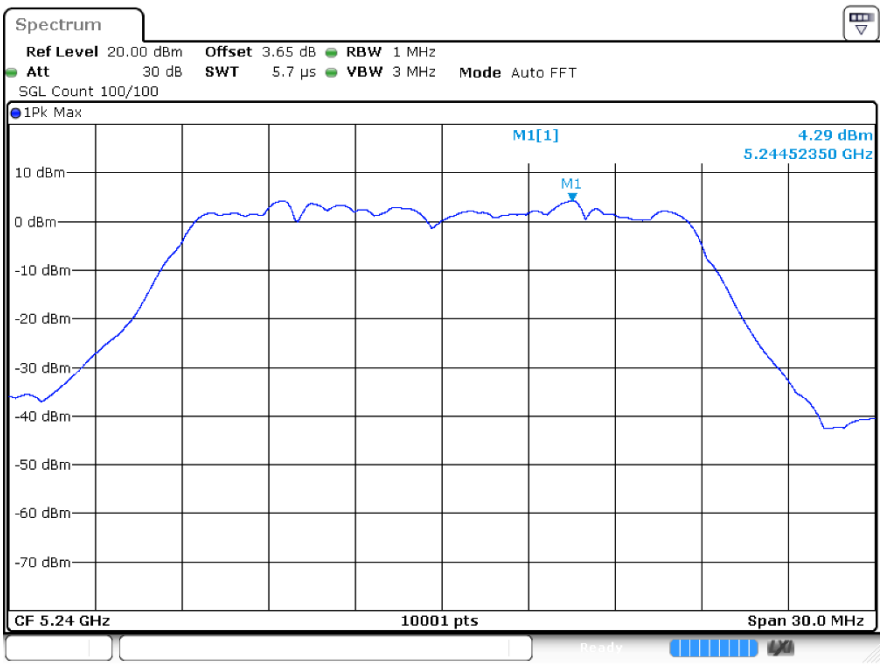
PSD ac20 5180MHz Ant2



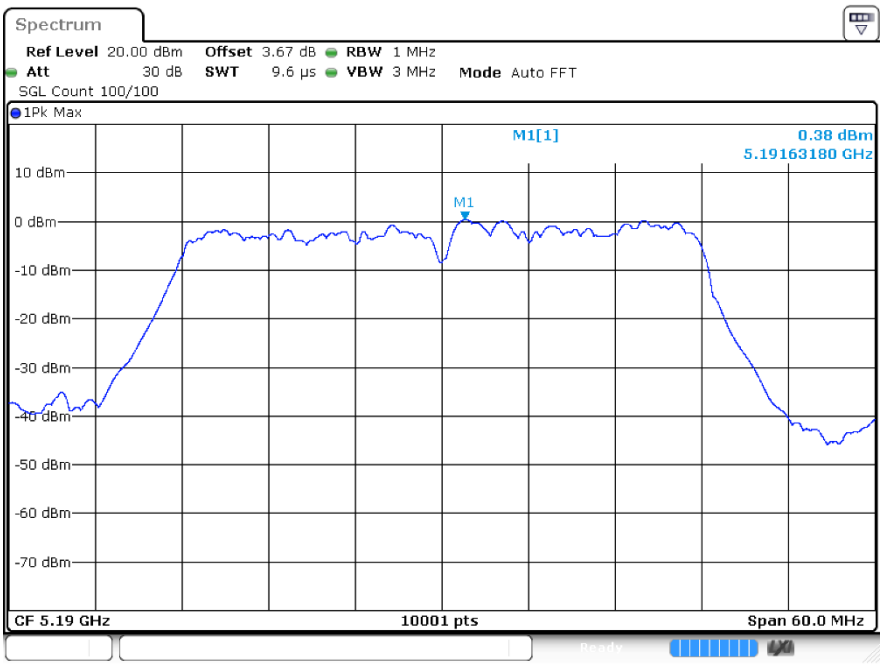
PSD ac20 5200MHz Ant2



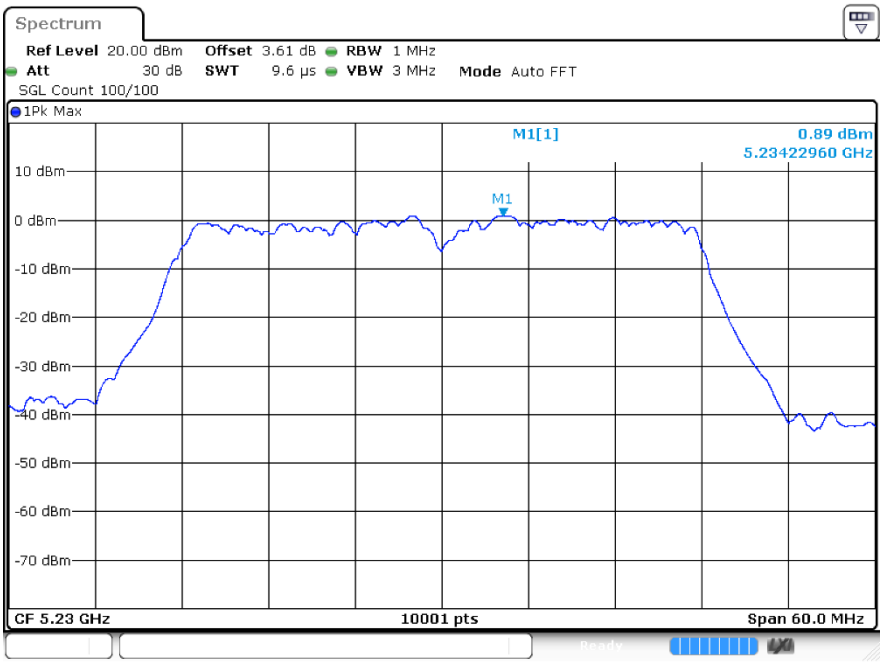
PSD ac20 5240MHz Ant2



PSDac40 5190MHz Ant1



PSDac40 5230MHz Ant1



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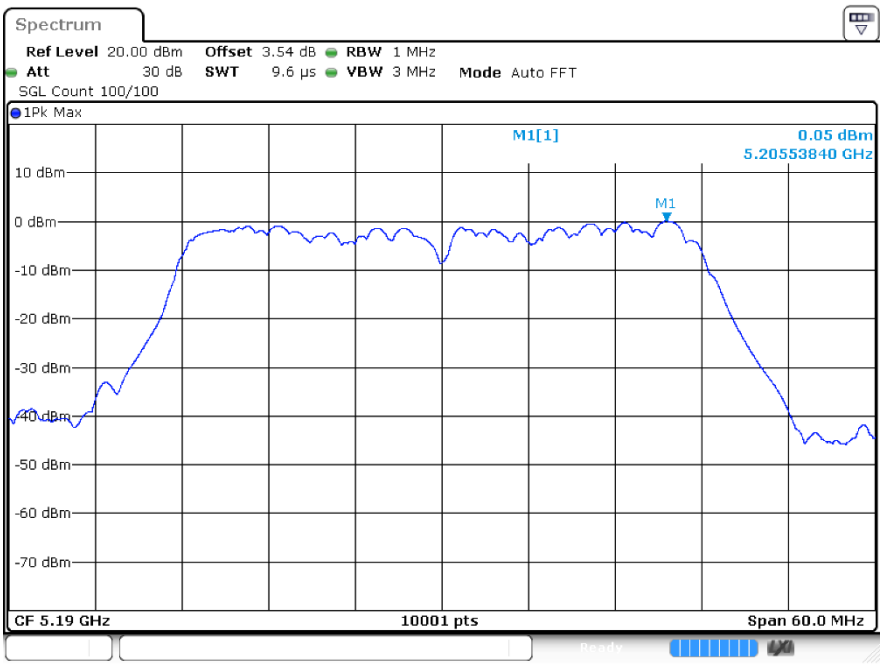

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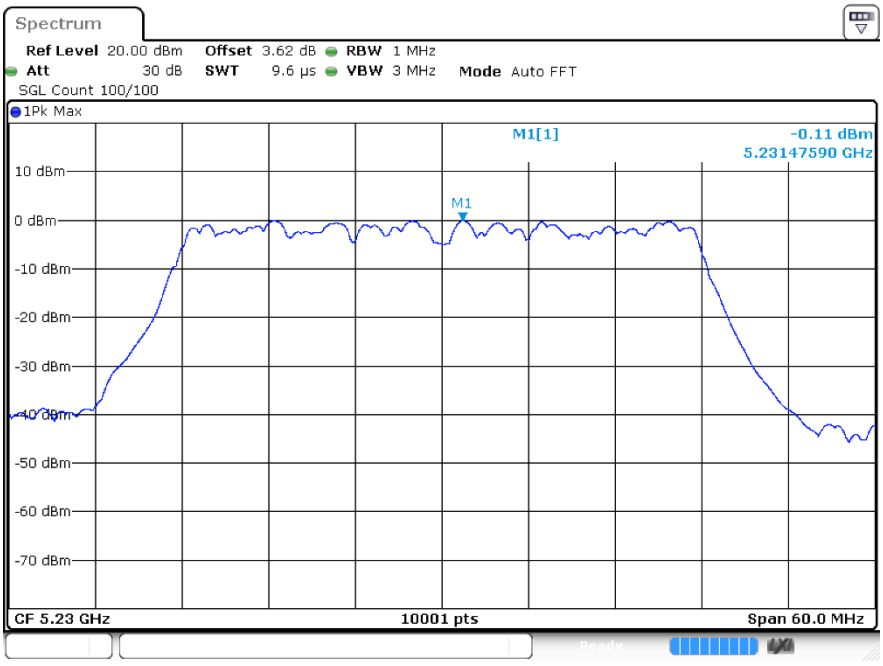
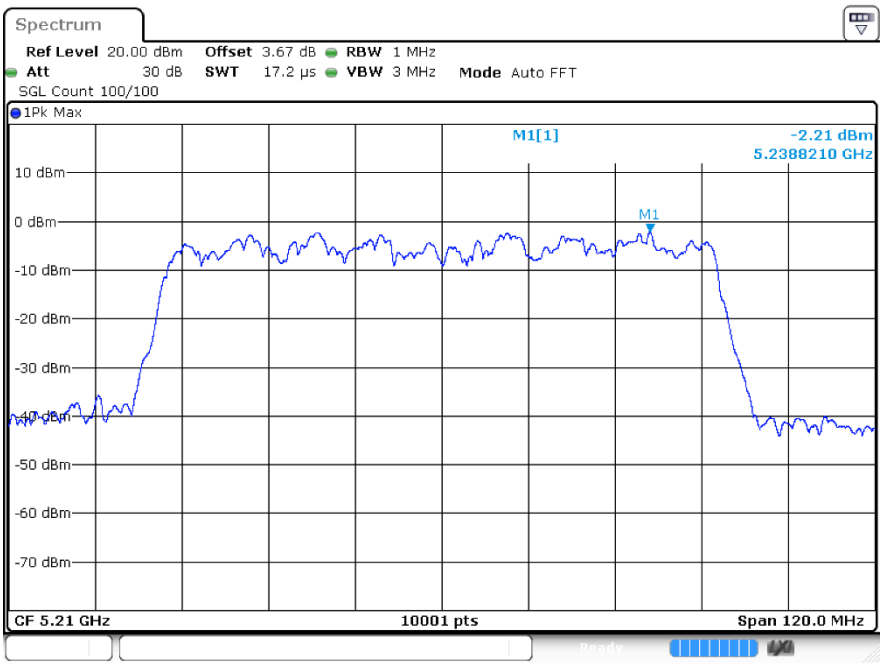


PSDac80 5210MHz Ant1



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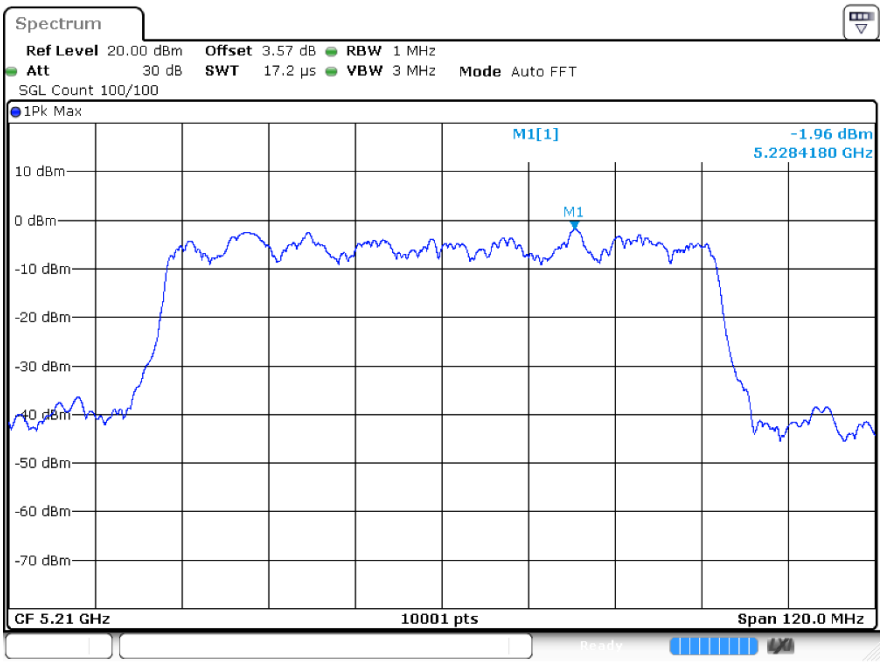

6 Frequency Stability

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	5180	0	0	25	Pass
20C 120V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 138V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-20C 120V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-10C 120V	a	5180	Ant1	5180	0	0	25	Pass
0C 120V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
10C 120V	a	5180	Ant1	5180	0	0	25	Pass
30C 120V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
40C 120V	a	5180	Ant1	5180.02	20000	3.86	25	Pass
50C 120V	a	5180	Ant1	5180	0	0	25	Pass
20C 102V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 120V	a	5200	Ant1	5200	0	0	25	Pass
20C 138V	a	5200	Ant1	5199.96	-40000	-7.69	25	Pass
-20C 120V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
-10C 120V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
0C 120V	a	5200	Ant1	5200	0	0	25	Pass
10C 120V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
30C 120V	a	5200	Ant1	5200	0	0	25	Pass
40C 120V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 102V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 102V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 138V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
-20C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-10C 120V	a	5240	Ant1	5240	0	0	25	Pass
0C 120V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
10C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
30C 120V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
40C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
50C 120V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 102V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 120V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 138V	n20	5180	Ant1	5180	0	0	25	Pass
-20C 120V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-10C 120V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
0C 120V	n20	5180	Ant1	5180	0	0	25	Pass

10C 120V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
30C 120V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
40C 120V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
50C 120V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 102V	n20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
20C 120V	n20	5200	Ant1	5200	0	0	25	Pass
20C 138V	n20	5200	Ant1	5199.96	-40000	-7.69	25	Pass
-20C 120V	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
-10C 120V	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
0C 120V	n20	5200	Ant1	5200	0	0	25	Pass
10C 120V	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
30C 120V	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
40C 120V	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
50C 120V	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 102V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 138V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-20C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-10C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
0C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
10C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
30C 120V	n20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
40C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
50C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 102V	n40	5190	Ant1	5190	0	0	25	Pass
20C 120V	n40	5190	Ant1	5190	0	0	25	Pass
20C 138V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
-20C 120V	n40	5190	Ant1	5190	0	0	25	Pass
-10C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
0C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
10C 120V	n40	5190	Ant1	5190	0	0	25	Pass
30C 120V	n40	5190	Ant1	5190	0	0	25	Pass
40C 120V	n40	5190	Ant1	5190	0	0	25	Pass
50C 120V	n40	5190	Ant1	5190	0	0	25	Pass
20C 102V	n40	5230	Ant1	5230	0	0	25	Pass
20C 120V	n40	5230	Ant1	5230	0	0	25	Pass
20C 138V	n40	5230	Ant1	5230	0	0	25	Pass
-20C 120V	n40	5230	Ant1	5230	0	0	25	Pass
-10C 120V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
0C 120V	n40	5230	Ant1	5230	0	0	25	Pass
10C 120V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
30C 120V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
40C 120V	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass

50C 120V	n40	5230	Ant1	5230	0	0	25	Pass
20C 102V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 120V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
20C 138V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-20C 120V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-10C 120V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
0C 120V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
10C 120V	ac20	5180	Ant1	5180	0	0	25	Pass
30C 120V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
40C 120V	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
50C 120V	ac20	5180	Ant1	5180	0	0	25	Pass
20C 102V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 120V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 138V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
-20C 120V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
-10C 120V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
0C 120V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
10C 120V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
30C 120V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
40C 120V	ac20	5200	Ant1	5200	0	0	25	Pass
50C 120V	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 102V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 120V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 138V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-20C 120V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-10C 120V	ac20	5240	Ant1	5240	0	0	25	Pass
0C 120V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
10C 120V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
30C 120V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
40C 120V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
50C 120V	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
20C 102V	ac40	5190	Ant1	5190	0	0	25	Pass
20C 120V	ac40	5190	Ant1	5190	0	0	25	Pass
20C 138V	ac40	5190	Ant1	5190	0	0	25	Pass
-20C 120V	ac40	5190	Ant1	5190	0	0	25	Pass
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0C 120V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
10C 120V	ac40	5190	Ant1	5190	0	0	25	Pass
30C 120V	ac40	5190	Ant1	5190	0	0	25	Pass
40C 120V	ac40	5190	Ant1	5190	0	0	25	Pass
50C 120V	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 102V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
20C 120V	ac40	5230	Ant1	5230	0	0	25	Pass

20C 138V	ac40	5230	Ant1	5230	0	0	25	Pass
-20C 120V	ac40	5230	Ant1	5230	0	0	25	Pass
-10C 120V	ac40	5230	Ant1	5230	0	0	25	Pass
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10C 120V	ac40	5230	Ant1	5230	0	0	25	Pass
30C 120V	ac40	5230	Ant1	5230	0	0	25	Pass
40C 120V	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
50C 120V	ac40	5230	Ant1	5230	0	0	25	Pass
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20C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
20C 138V	ac80	5210	Ant1	5210	0	0	25	Pass
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10C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
30C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
40C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
50C 120V	ac80	5210	Ant1	5210	0	0	25	Pass
20C 102V	a	5180	Ant2	5179.98	-20000	-3.86	25	Pass
20C 120V	a	5180	Ant2	5180	0	0	25	Pass
20C 138V	a	5180	Ant2	5179.96	-40000	-7.72	25	Pass
-20C 120V	a	5180	Ant2	5179.98	-20000	-3.86	25	Pass
-10C 120V	a	5180	Ant2	5179.98	-20000	-3.86	25	Pass
0C 120V	a	5180	Ant2	5179.98	-20000	-3.86	25	Pass
10C 120V	a	5180	Ant2	5179.98	-20000	-3.86	25	Pass
30C 120V	a	5180	Ant2	5179.96	-40000	-7.72	25	Pass
40C 120V	a	5180	Ant2	5179.98	-20000	-3.86	25	Pass
50C 120V	a	5180	Ant2	5179.98	-20000	-3.86	25	Pass
20C 102V	a	5200	Ant2	5199.96	-40000	-7.69	25	Pass
20C 120V	a	5200	Ant2	5200	0	0	25	Pass
20C 138V	a	5200	Ant2	5199.98	-20000	-3.85	25	Pass
-20C 120V	a	5200	Ant2	5199.98	-20000	-3.85	25	Pass
-10C 120V	a	5200	Ant2	5199.98	-20000	-3.85	25	Pass
0C 120V	a	5200	Ant2	5199.96	-40000	-7.69	25	Pass
10C 120V	a	5200	Ant2	5199.98	-20000	-3.85	25	Pass
30C 120V	a	5200	Ant2	5199.98	-20000	-3.85	25	Pass
40C 120V	a	5200	Ant2	5200	0	0	25	Pass
20C 102V	a	5200	Ant2	5199.96	-40000	-7.69	25	Pass
20C 102V	a	5240	Ant2	5240	0	0	25	Pass
20C 120V	a	5240	Ant2	5239.98	-20000	-3.82	25	Pass
20C 138V	a	5240	Ant2	5239.98	-20000	-3.82	25	Pass
-20C 120V	a	5240	Ant2	5240	0	0	25	Pass
-10C 120V	a	5240	Ant2	5239.96	-40000	-7.63	25	Pass

0C 120V	a	5240	Ant2	5240	0	0	25	Pass
10C 120V	a	5240	Ant2	5239.98	-20000	-3.82	25	Pass
30C 120V	a	5240	Ant2	5239.96	-40000	-7.63	25	Pass
40C 120V	a	5240	Ant2	5239.98	-20000	-3.82	25	Pass
50C 120V	a	5240	Ant2	5239.98	-20000	-3.82	25	Pass
20C 102V	n20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
20C 120V	n20	5180	Ant2	5180	0	0	25	Pass
20C 138V	n20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
-20C 120V	n20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
-10C 120V	n20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
0C 120V	n20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
10C 120V	n20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
30C 120V	n20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
40C 120V	n20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
50C 120V	n20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
20C 102V	n20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
20C 120V	n20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
20C 138V	n20	5200	Ant2	5200	0	0	25	Pass
-20C 120V	n20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
-10C 120V	n20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
0C 120V	n20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
10C 120V	n20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
30C 120V	n20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
40C 120V	n20	5200	Ant2	5200	0	0	25	Pass
50C 120V	n20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
20C 102V	n20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
20C 120V	n20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
20C 138V	n20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
-20C 120V	n20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
-10C 120V	n20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
0C 120V	n20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
10C 120V	n20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
30C 120V	n20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
40C 120V	n20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
50C 120V	n20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
20C 102V	n40	5190	Ant2	5190	0	0	25	Pass
20C 120V	n40	5190	Ant2	5190	0	0	25	Pass
20C 138V	n40	5190	Ant2	5190	0	0	25	Pass
-20C 120V	n40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
-10C 120V	n40	5190	Ant2	5190	0	0	25	Pass
0C 120V	n40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
10C 120V	n40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
30C 120V	n40	5190	Ant2	5189.96	-40000	-7.71	25	Pass

40C 120V	n40	5190	Ant2	5190	0	0	25	Pass
50C 120V	n40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
20C 102V	n40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
20C 120V	n40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
20C 138V	n40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
-20C 120V	n40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
-10C 120V	n40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
0C 120V	n40	5230	Ant2	5230	0	0	25	Pass
10C 120V	n40	5230	Ant2	5230	0	0	25	Pass
30C 120V	n40	5230	Ant2	5230	0	0	25	Pass
40C 120V	n40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
50C 120V	n40	5230	Ant2	5230	0	0	25	Pass
20C 102V	ac20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
20C 120V	ac20	5180	Ant2	5180	0	0	25	Pass
20C 138V	ac20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
-20C 120V	ac20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
-10C 120V	ac20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
0C 120V	ac20	5180	Ant2	5179.96	-40000	-7.72	25	Pass
10C 120V	ac20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
30C 120V	ac20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
40C 120V	ac20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
50C 120V	ac20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
20C 102V	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
20C 120V	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
20C 138V	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
-20C 120V	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
-10C 120V	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
0C 120V	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
10C 120V	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
30C 120V	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
40C 120V	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
50C 120V	ac20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
20C 102V	ac20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
20C 120V	ac20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
20C 138V	ac20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
-20C 120V	ac20	5240	Ant2	5239.96	-40000	-7.63	25	Pass
-10C 120V	ac20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
0C 120V	ac20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
10C 120V	ac20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
30C 120V	ac20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
40C 120V	ac20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
50C 120V	ac20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
20C 102V	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass

20C 120V	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
20C 138V	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
-20C 120V	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
-10C 120V	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
0C 120V	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
10C 120V	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
30C 120V	ac40	5190	Ant2	5190	0	0	25	Pass
40C 120V	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
50C 120V	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
20C 102V	ac40	5230	Ant2	5230	0	0	25	Pass
20C 120V	ac40	5230	Ant2	5230	0	0	25	Pass
20C 138V	ac40	5230	Ant2	5230	0	0	25	Pass
-20C 120V	ac40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
-10C 120V	ac40	5230	Ant2	5230	0	0	25	Pass
0C 120V	ac40	5230	Ant2	5230	0	0	25	Pass
10C 120V	ac40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
30C 120V	ac40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
40C 120V	ac40	5230	Ant2	5230	0	0	25	Pass
50C 120V	ac40	5230	Ant2	5230	0	0	25	Pass
20C 102V	ac80	5210	Ant2	5210	0	0	25	Pass
20C 120V	ac80	5210	Ant2	5210	0	0	25	Pass
20C 138V	ac80	5210	Ant2	5210	0	0	25	Pass
-20C 120V	ac80	5210	Ant2	5210	0	0	25	Pass
-10C 120V	ac80	5210	Ant2	5210	0	0	25	Pass
0C 120V	ac80	5210	Ant2	5210	0	0	25	Pass
10C 120V	ac80	5210	Ant2	5210	0	0	25	Pass
30C 120V	ac80	5210	Ant2	5210	0	0	25	Pass
40C 120V	ac80	5210	Ant2	5210	0	0	25	Pass
50C 120V	ac80	5210	Ant2	5210	0	0	25	Pass

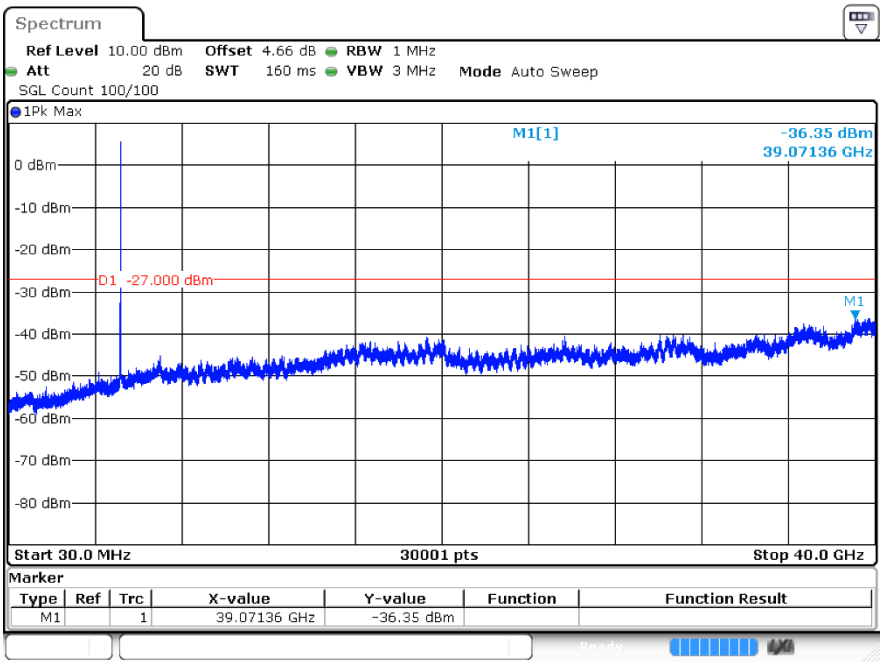
7 Conducted RF Spurious Emission

7.1 Test Result

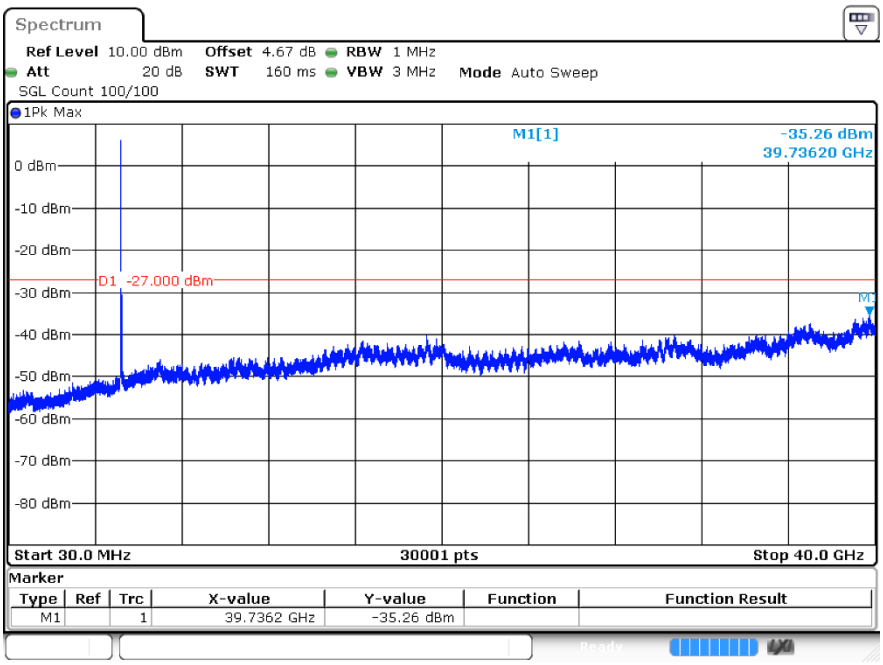
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
a	5180	Ant1	-36.35	-27	Pass
a	5200	Ant1	-35.25	-27	Pass
a	5240	Ant1	-35.36	-27	Pass
n20	5180	Ant1	-36.18	-27	Pass
n20	5200	Ant1	-35.6	-27	Pass
n20	5240	Ant1	-35.6	-27	Pass
n40	5190	Ant1	-35.99	-27	Pass
n40	5230	Ant1	-35.67	-27	Pass
ac20	5180	Ant1	-35.28	-27	Pass
ac20	5200	Ant1	-36.18	-27	Pass
ac20	5240	Ant1	-35.76	-27	Pass
ac40	5190	Ant1	-36.15	-27	Pass
ac40	5230	Ant1	-35.47	-27	Pass
ac80	5210	Ant1	-34.74	-27	Pass
a	5180	Ant2	-35.05	-27	Pass
a	5200	Ant2	-35.32	-27	Pass
a	5240	Ant2	-35.26	-27	Pass
n20	5180	Ant2	-35.73	-27	Pass
n20	5200	Ant2	-36.43	-27	Pass
n20	5240	Ant2	-35.72	-27	Pass
n40	5190	Ant2	-35.2	-27	Pass
n40	5230	Ant2	-35.55	-27	Pass
ac20	5180	Ant2	-35.56	-27	Pass
ac20	5200	Ant2	-36.39	-27	Pass
ac20	5240	Ant2	-35.6	-27	Pass
ac40	5190	Ant2	-35.72	-27	Pass
ac40	5230	Ant2	-36.09	-27	Pass
ac80	5210	Ant2	-36.03	-27	Pass

7.2 Test Graphs

Test Graphs
Tx. Spuriousa 5180MHz Ant1



Tx. Spuriousa 5200MHz Ant1



Tx. Spuriousa 5240MHz Ant1