



Appendix D

RF Test Data for B1WIFI(Conducted Measurement)

Product Name: Tablet

Trade Mark: Blackview

Test Model: Tab 70 WiFi

Environmental Conditions

Temperature:	25.8℃
Relative Humidity:	52.3%
ATM Pressure:	101Kpa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



Contents

	Page
COVER PAGE	
1 Duty Cycle	3
1.1 Test Result	3
1.2 Test Graphs	4
2 Maximum Conducted Output Power	14
2.1 Test Result	14
3 -26dB Bandwidth	15
3.1 Test Result	15
3.2 Test Graphs	16
4 Occupied Channel Bandwidth	26
4.1 Test Result	26
4.2 Test Graphs	27
5 Maximum Power Spectral Density Level	37
5.1 Test Result	37
5.2 Test Graphs	38
6 Frequency Stability	48
6.1 Test Result	48
7 Conducted RF Spurious Emission	53
7.1 Test Result	53
7.2 Test Graphs	54
8 Restrict Band	64
8.1 Test Result	64
8.2 Test Graphs	67

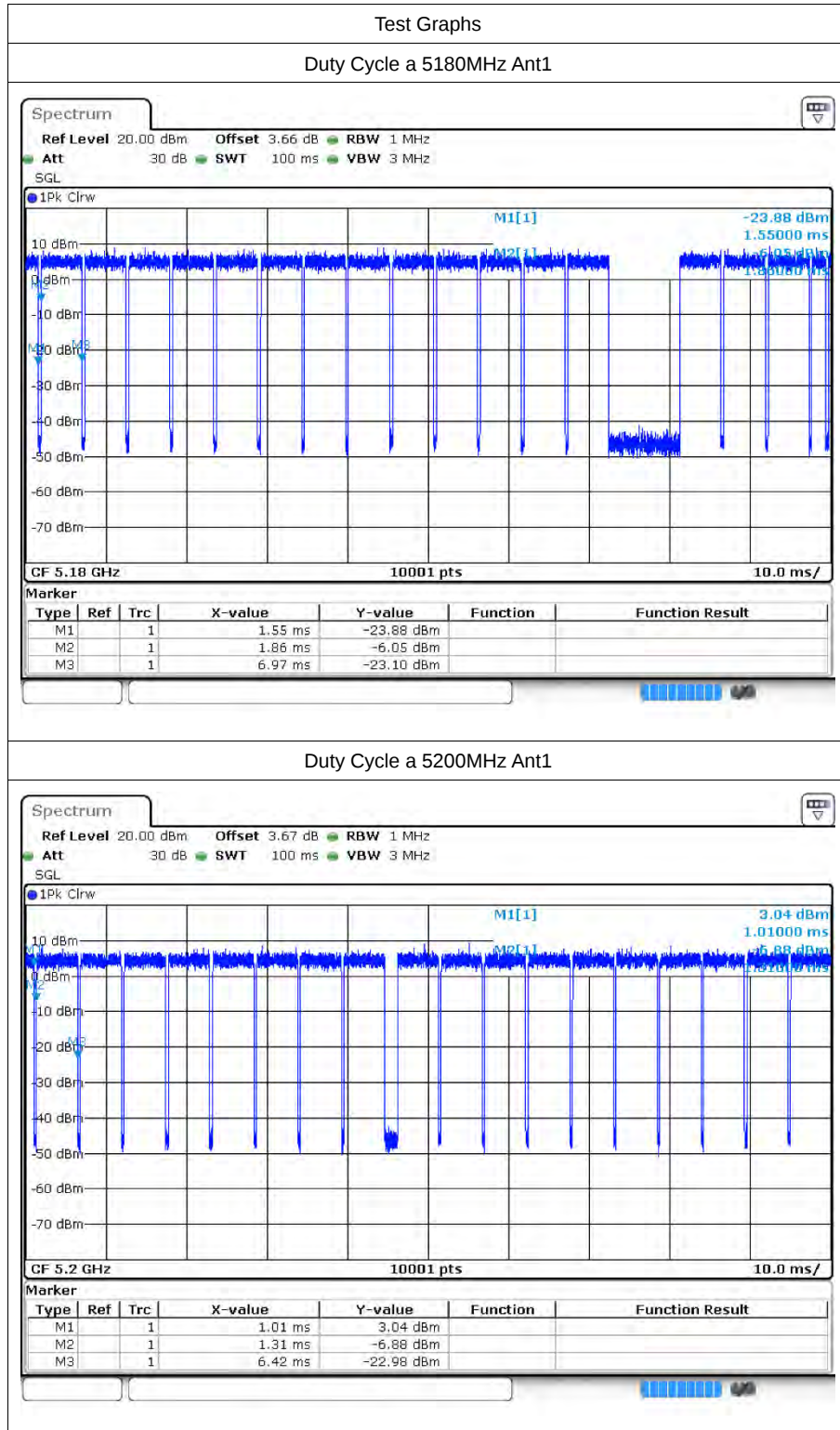


1 Duty Cycle

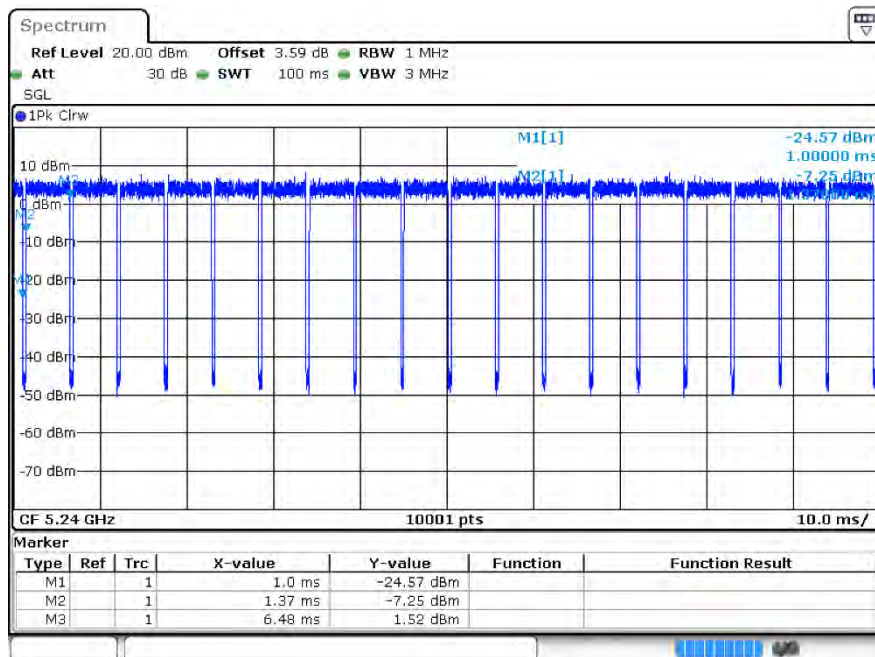
1.1 Test Result

Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
a	5180	Ant1	85.41	0.68	0.2
a	5200	Ant1	92.99	0.32	0.2
a	5240	Ant1	93.51	0.29	0.2
n20	5180	Ant1	93.63	0.29	0.21
n20	5200	Ant1	92.96	0.32	0.21
n20	5240	Ant1	86.06	0.65	0.21
n40	5190	Ant1	93.4	0.3	0.22
n40	5230	Ant1	93.13	0.31	0.22
ac20	5180	Ant1	76.15	1.18	0.21
ac20	5200	Ant1	91.59	0.38	0.21
ac20	5240	Ant1	93.05	0.31	0.21
ac40	5190	Ant1	93.21	0.31	0.22
ac40	5230	Ant1	93.4	0.3	0.22
ac80	5210	Ant1	65.6	1.83	0.19
ax20	5180	Ant1	83.09	0.8	0.28
ax20	5200	Ant1	83.42	0.79	0.21
ax20	5240	Ant1	83.29	0.79	0.21
ax40	5190	Ant1	88.22	0.54	0.19
ax40	5230	Ant1	87.32	0.59	0.24
ax80	5210	Ant1	82.41	0.84	0.22

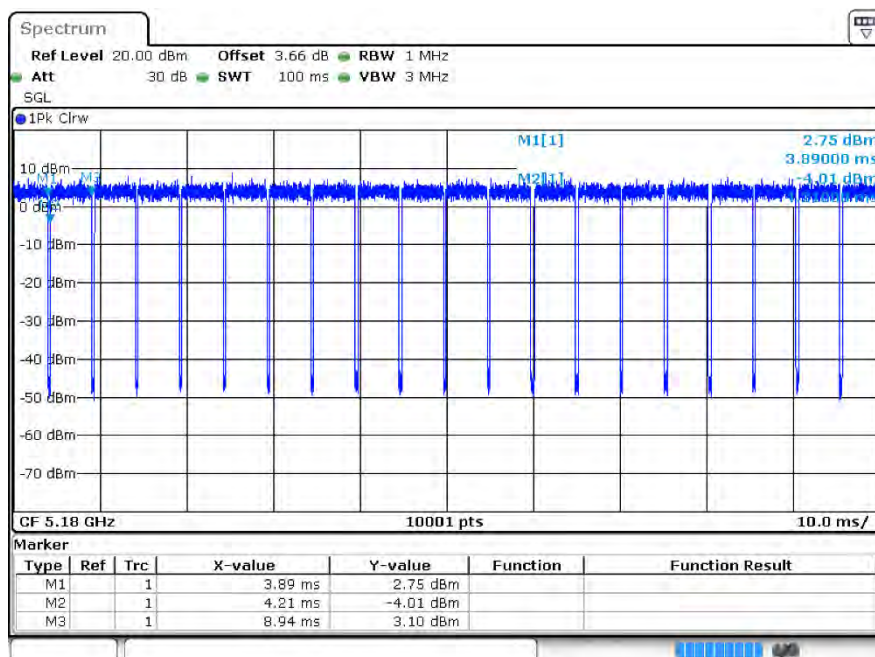
1.2 Test Graphs



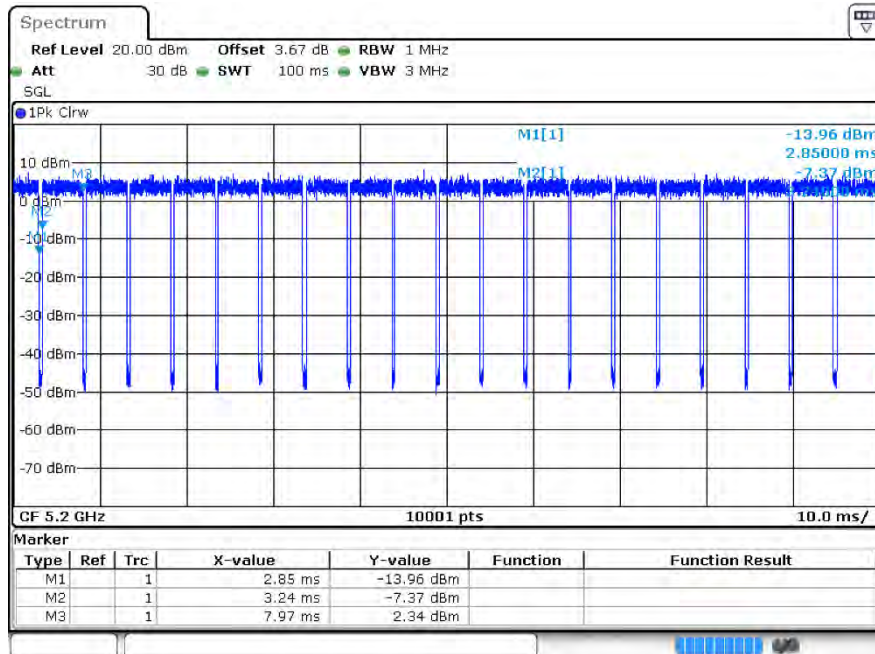
Duty Cycle a 5240MHz Ant1



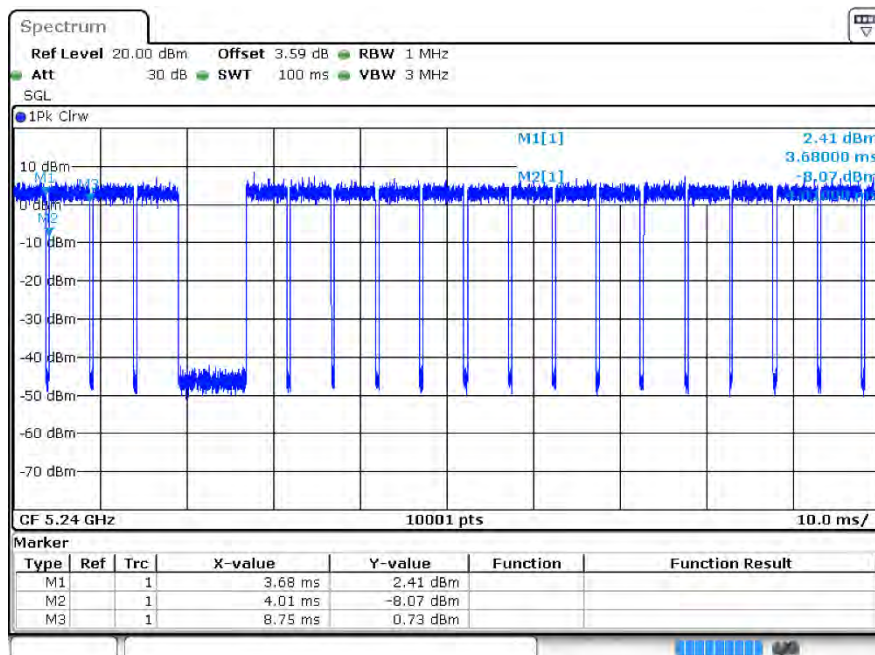
Duty Cycle n20 5180MHz Ant1



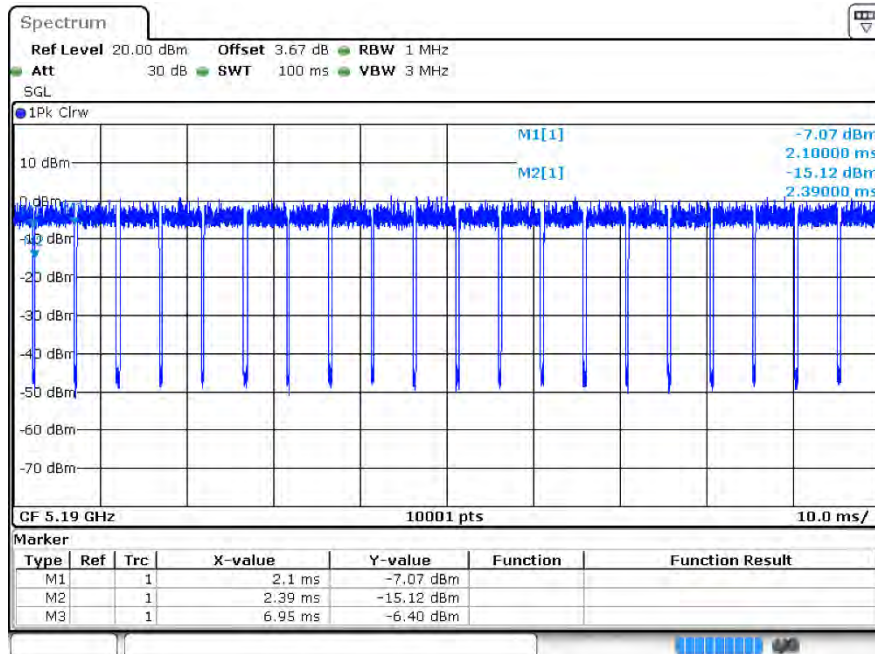
Duty Cycle a n20 5200MHz Ant1



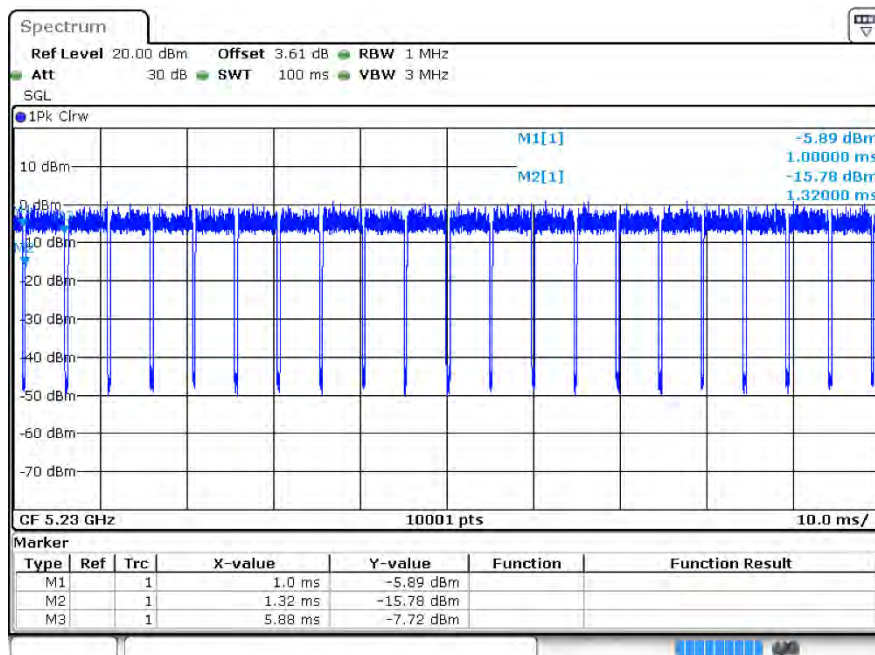
Duty Cycle n20 5240MHz Ant1



Duty Cyclen40 5190MHz Ant1



Duty Cyclen40 5230MHz Ant1



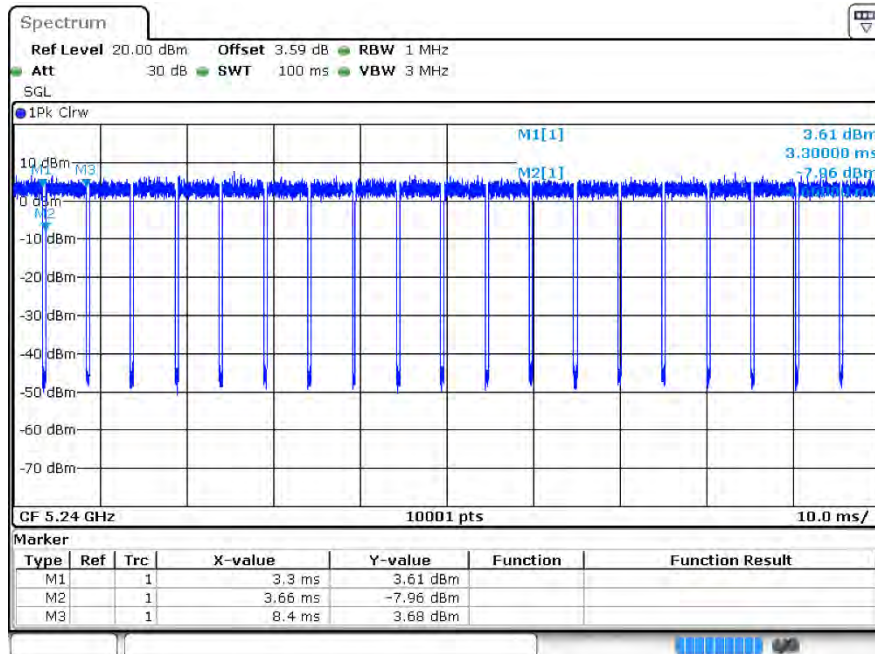
Duty Cycle ac20 5180MHz Ant1



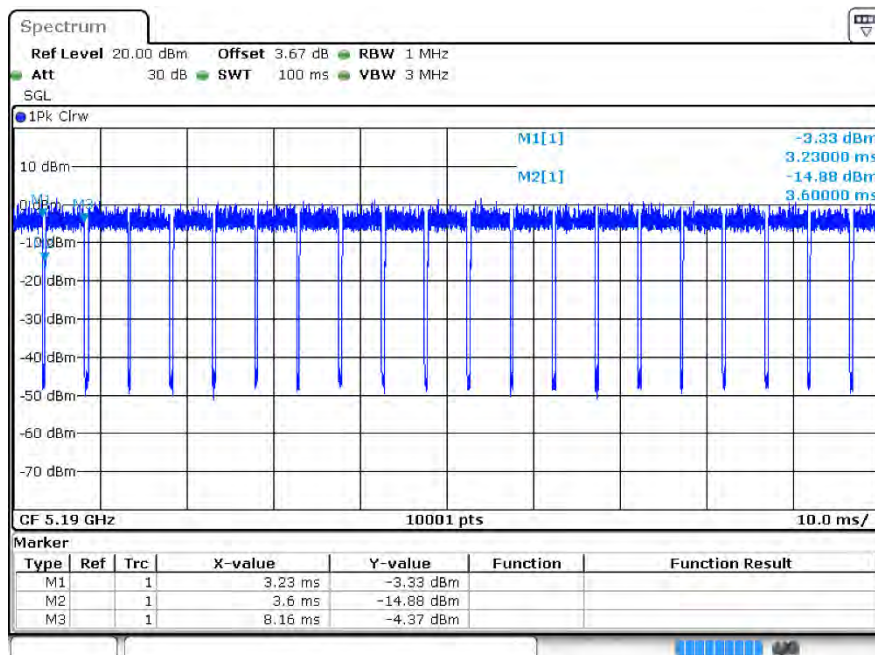
Duty Cycle ac20 5200MHz Ant1

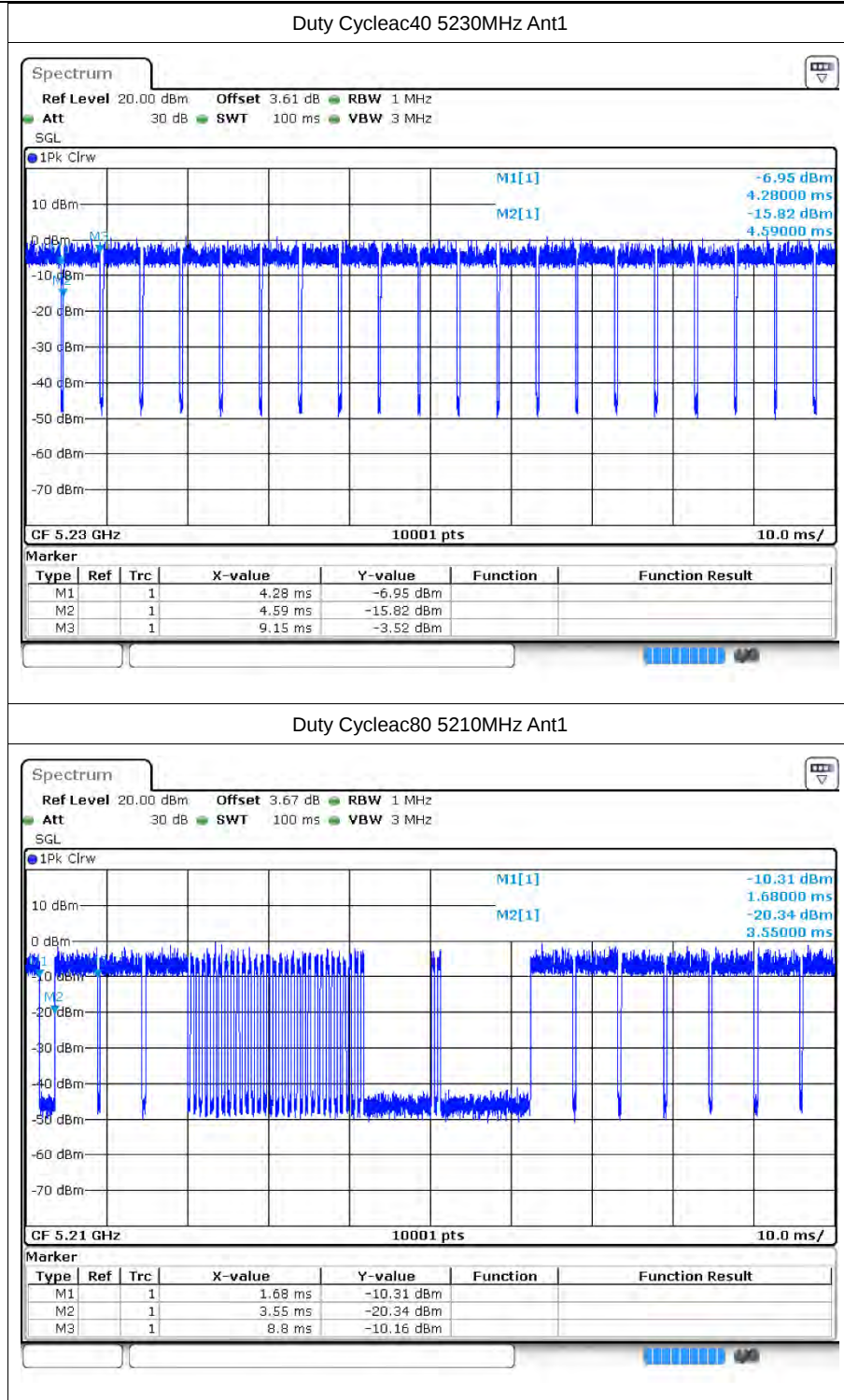


Duty Cycle ac20 5240MHz Ant1

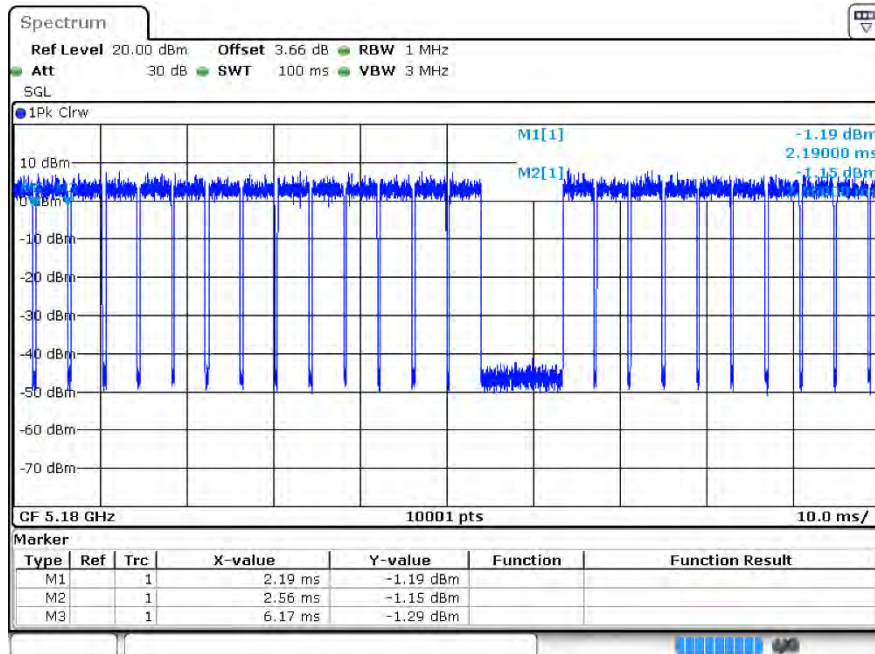


Duty Cycleac40 5190MHz Ant1





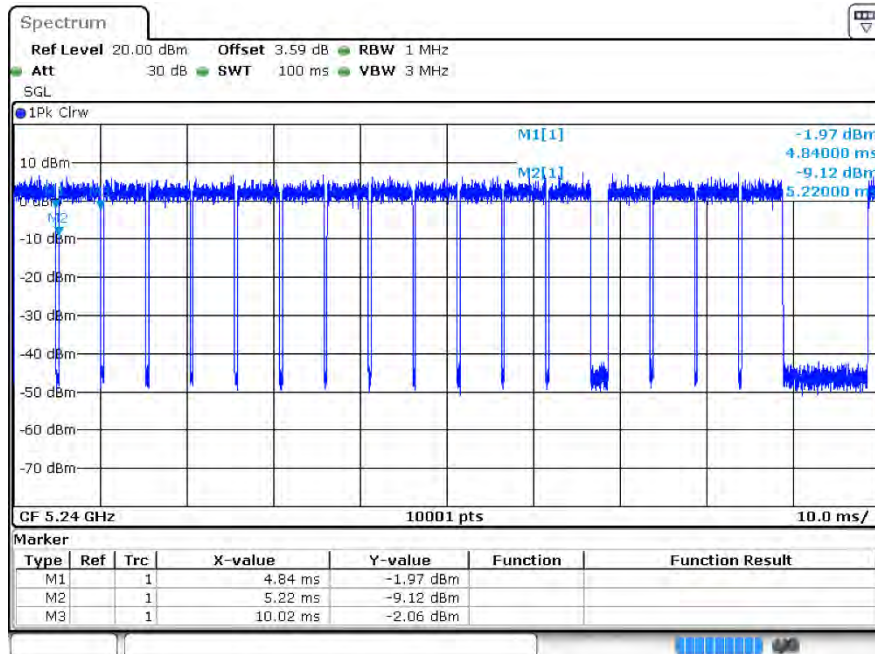
Duty Cycle ax20 5180MHz Ant1



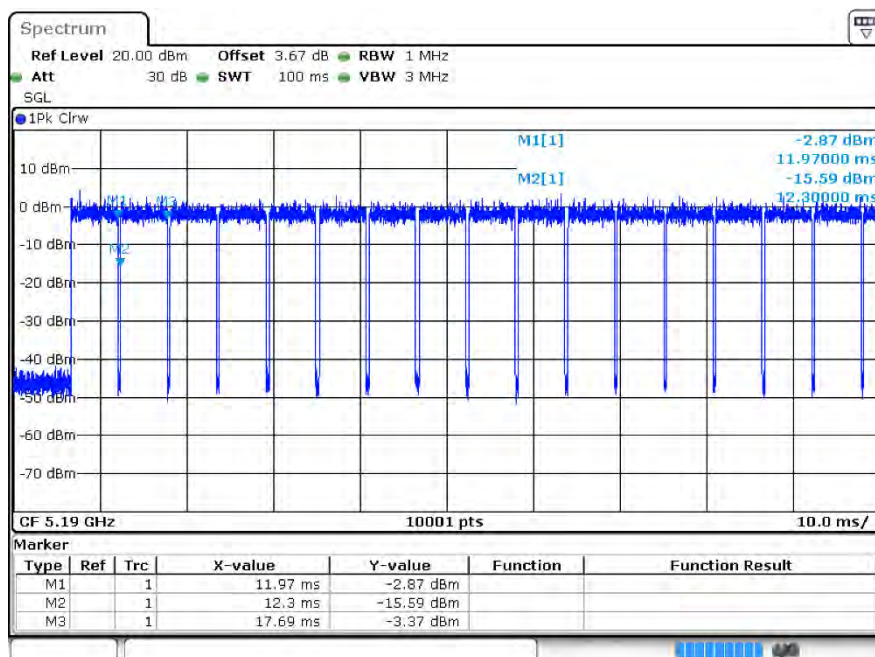
Duty Cycle ax20 5200MHz Ant1

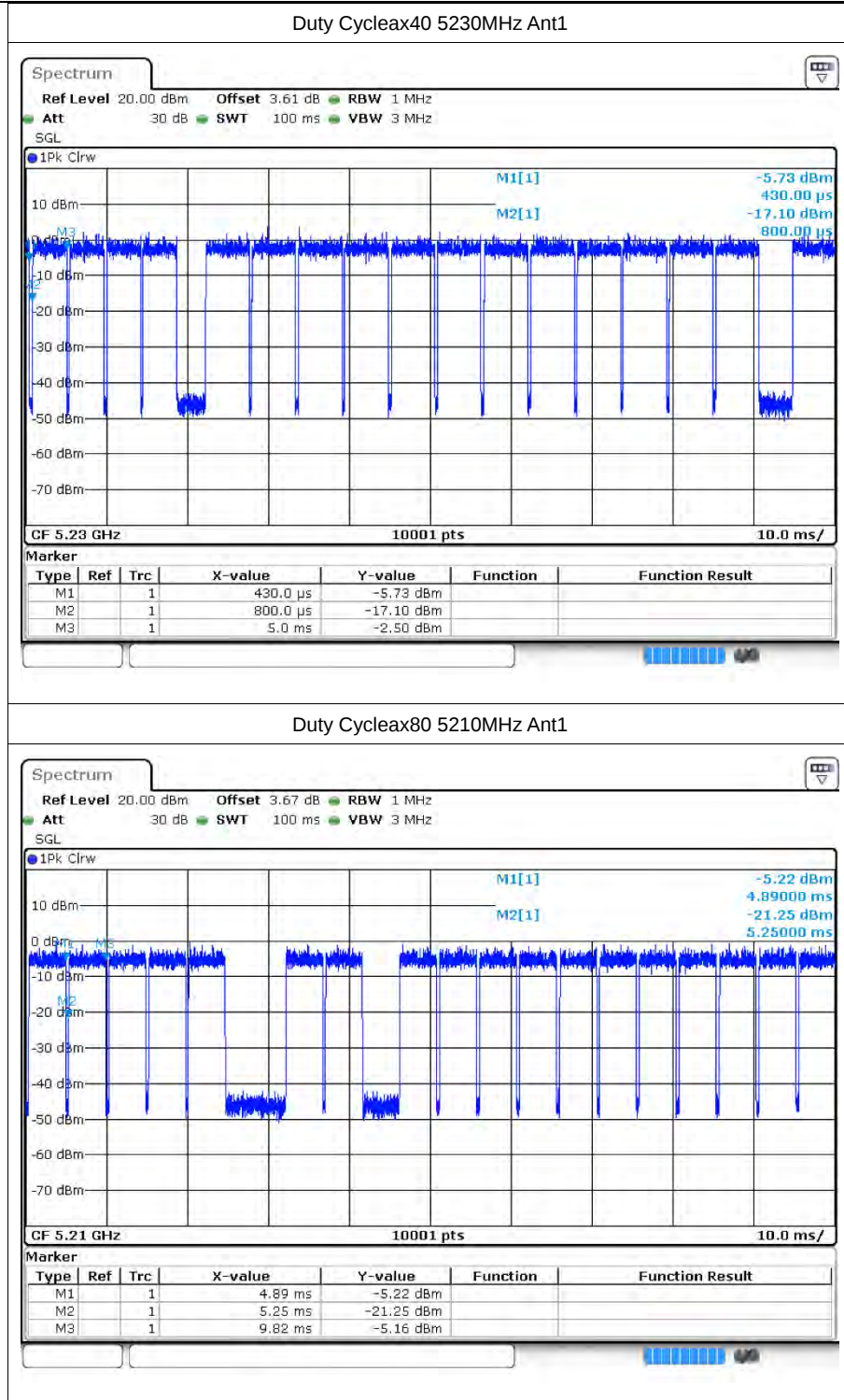


Duty Cycle ax20 5240MHz Ant1



Duty Cycleax40 5190MHz Ant1





2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	15.58	24	Pass
a	5200	Ant1	15.11	24	Pass
a	5240	Ant1	14.5	24	Pass
n20	5180	Ant1	14.92	24	Pass
n20	5200	Ant1	14.56	24	Pass
n20	5240	Ant1	14.05	24	Pass
n40	5190	Ant1	13.51	24	Pass
n40	5230	Ant1	13.08	24	Pass
ac20	5180	Ant1	14.83	24	Pass
ac20	5200	Ant1	14.5	24	Pass
ac20	5240	Ant1	14	24	Pass
ac40	5190	Ant1	13.52	24	Pass
ac40	5230	Ant1	13.07	24	Pass
ac80	5210	Ant1	13.05	24	Pass
ax20	5180	Ant1	15.07	24	Pass
ax20	5200	Ant1	14.82	24	Pass
ax20	5240	Ant1	14.27	24	Pass
ax40	5190	Ant1	13.61	24	Pass
ax40	5230	Ant1	13.27	24	Pass
ax80	5210	Ant1	13.04	24	Pass

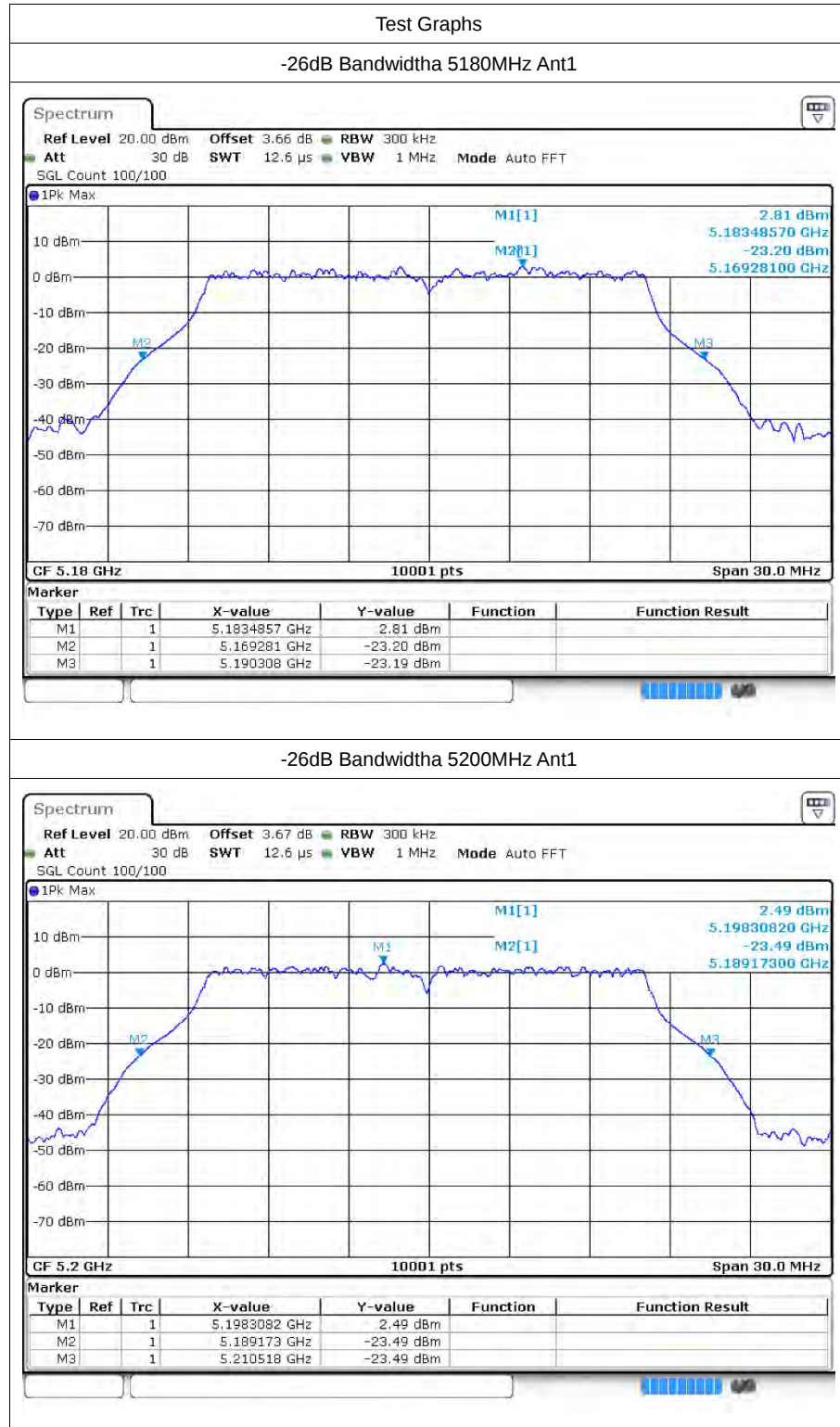
Note: The duty factor is compensated in the graph.

3 -26dB Bandwidth

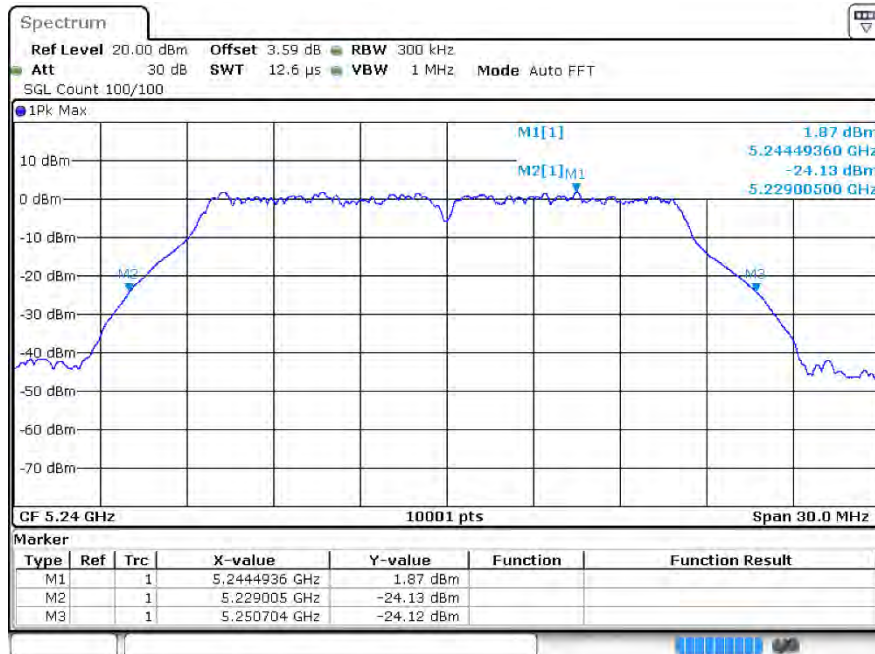
3.1 Test Result

Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
a	5180	Ant1	21.027	0.5	Pass
a	5200	Ant1	21.345	0.5	Pass
a	5240	Ant1	21.699	0.5	Pass
n20	5180	Ant1	21.828	0.5	Pass
n20	5200	Ant1	22.095	0.5	Pass
n20	5240	Ant1	21.6	0.5	Pass
n40	5190	Ant1	39.684	0.5	Pass
n40	5230	Ant1	40.02	0.5	Pass
ac20	5180	Ant1	21.885	0.5	Pass
ac20	5200	Ant1	22.008	0.5	Pass
ac20	5240	Ant1	21.717	0.5	Pass
ac40	5190	Ant1	40.218	0.5	Pass
ac40	5230	Ant1	40.158	0.5	Pass
ac80	5210	Ant1	78.888	0.5	Pass
ax20	5180	Ant1	22.239	0.5	Pass
ax20	5200	Ant1	21.864	0.5	Pass
ax20	5240	Ant1	22.002	0.5	Pass
ax40	5190	Ant1	40.86	0.5	Pass
ax40	5230	Ant1	40.29	0.5	Pass
ax80	5210	Ant1	80.58	0.5	Pass

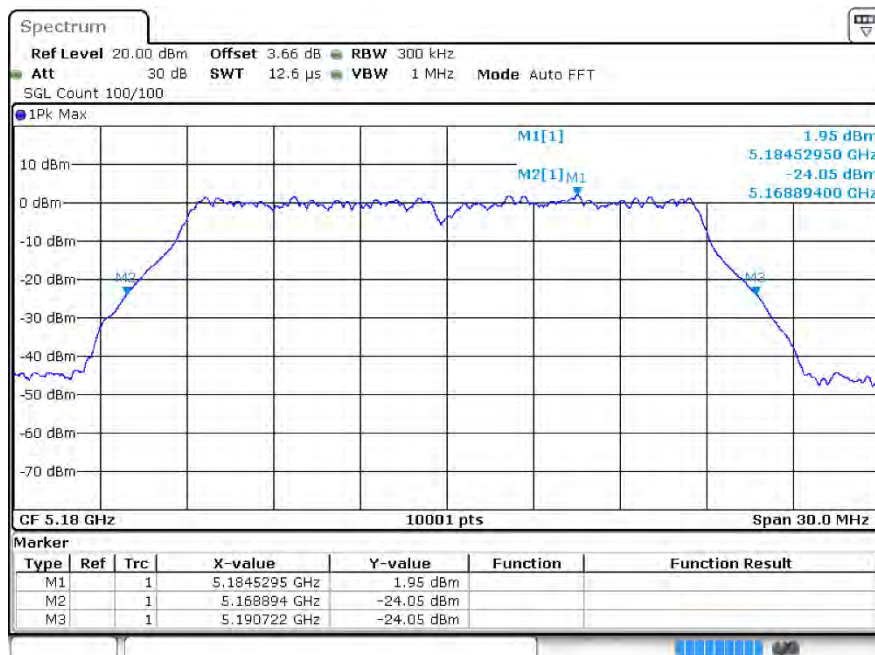
3.2 Test Graphs



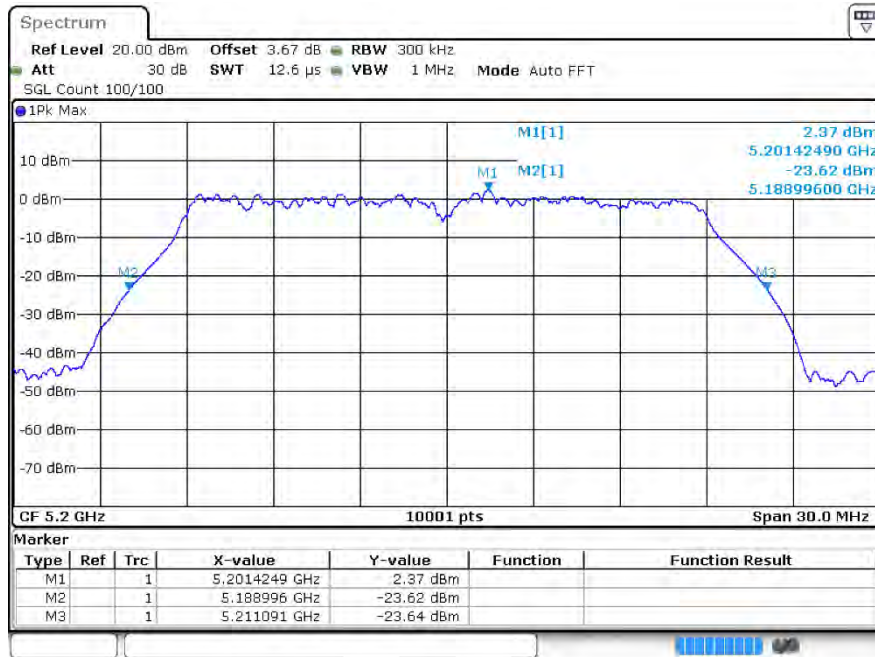
-26dB Bandwidtha 5240MHz Ant1



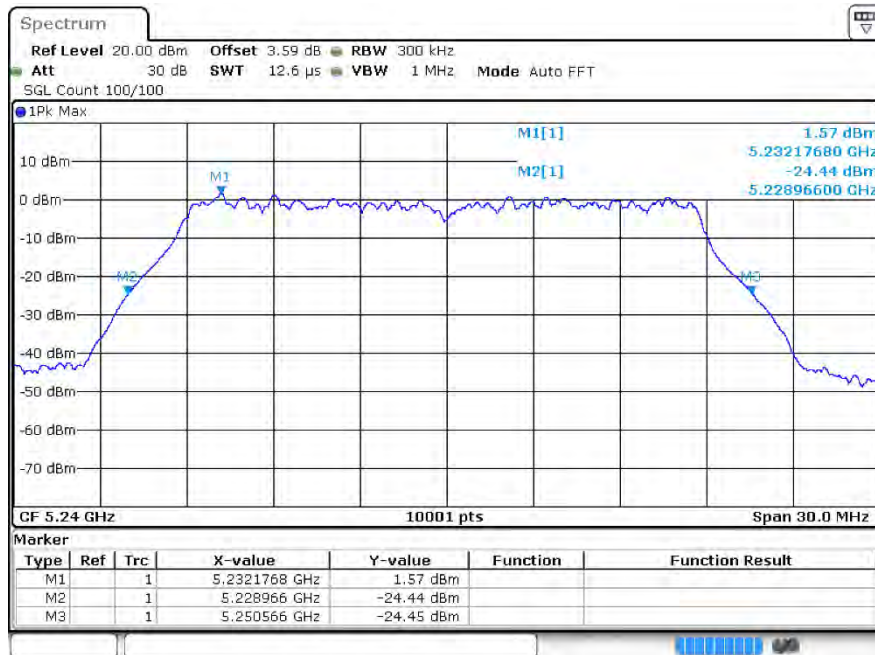
-26dB Bandwidth n20 5180MHz Ant1



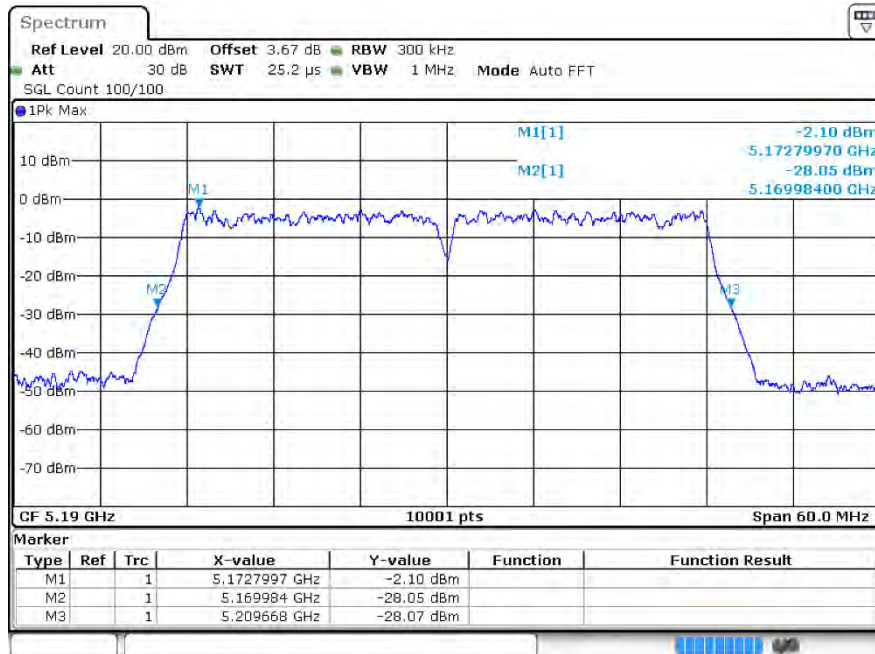
-26dB Bandwidth n20 5200MHz Ant1



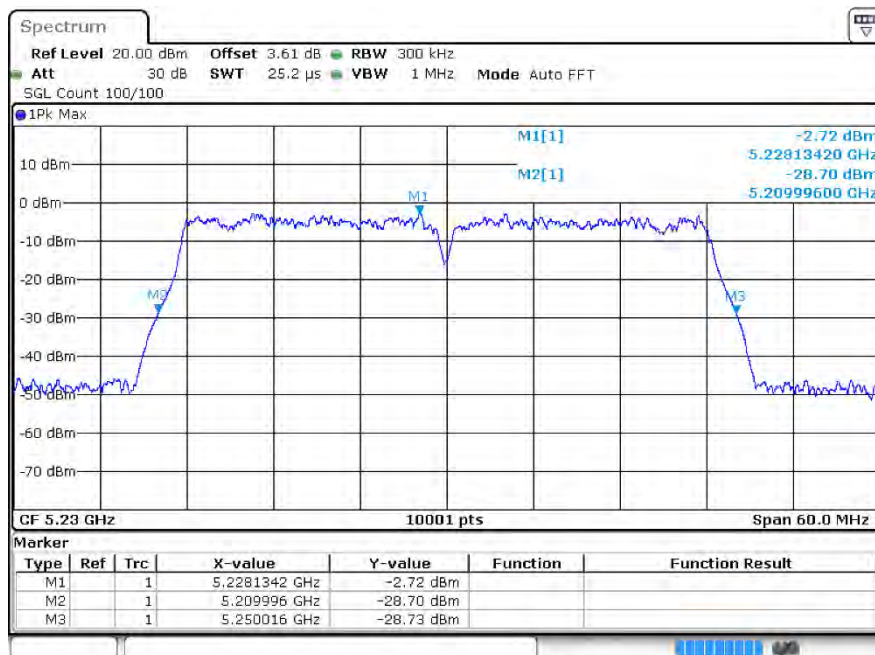
-26dB Bandwidth n20 5240MHz Ant1



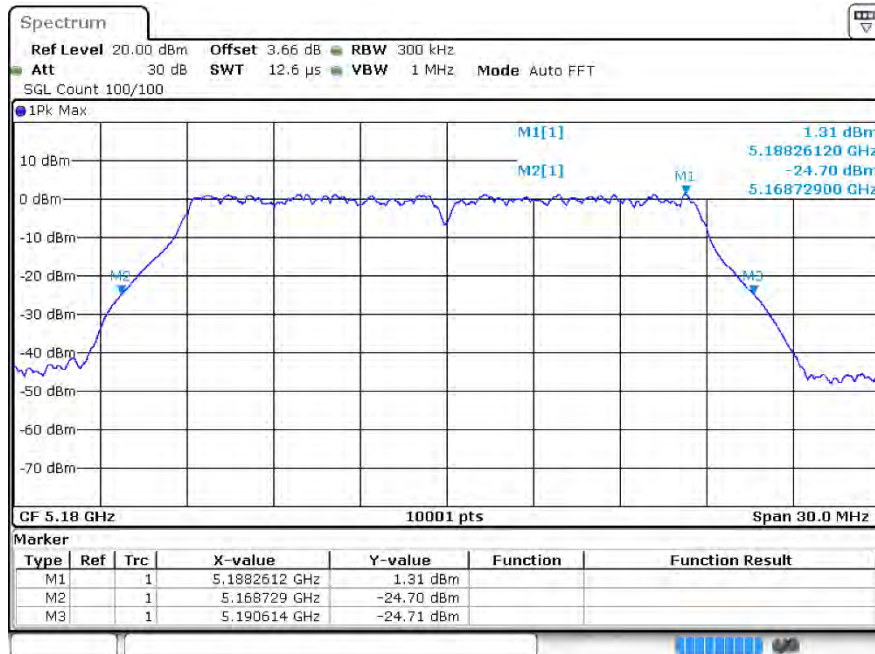
-26dB Bandwidthn40 5190MHz Ant1



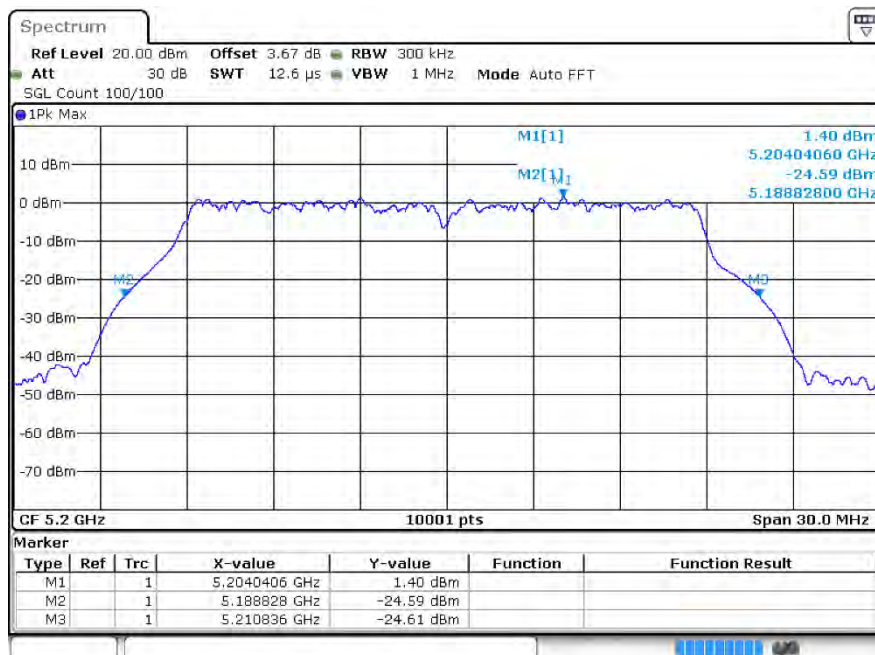
-26dB Bandwidthn40 5230MHz Ant1



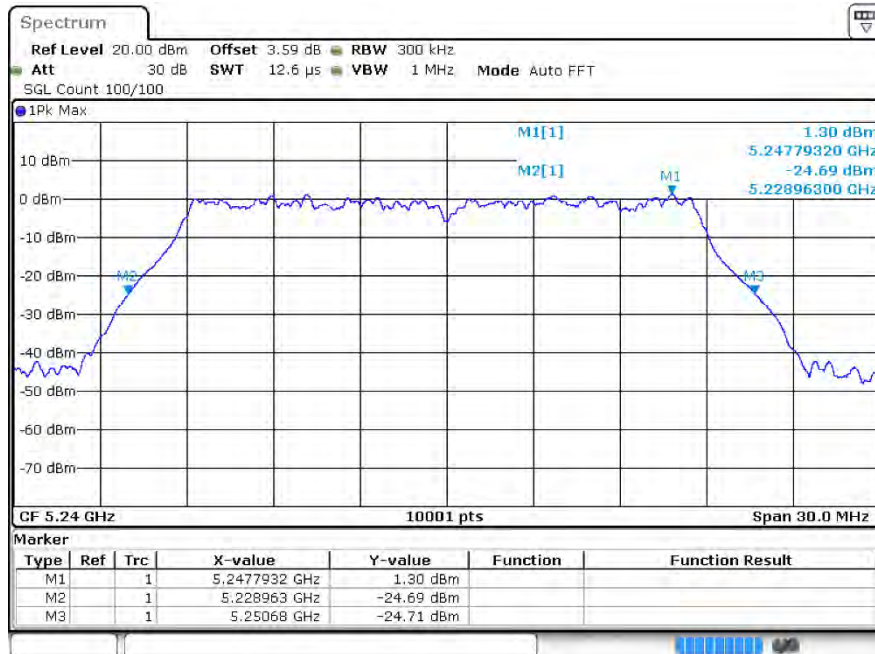
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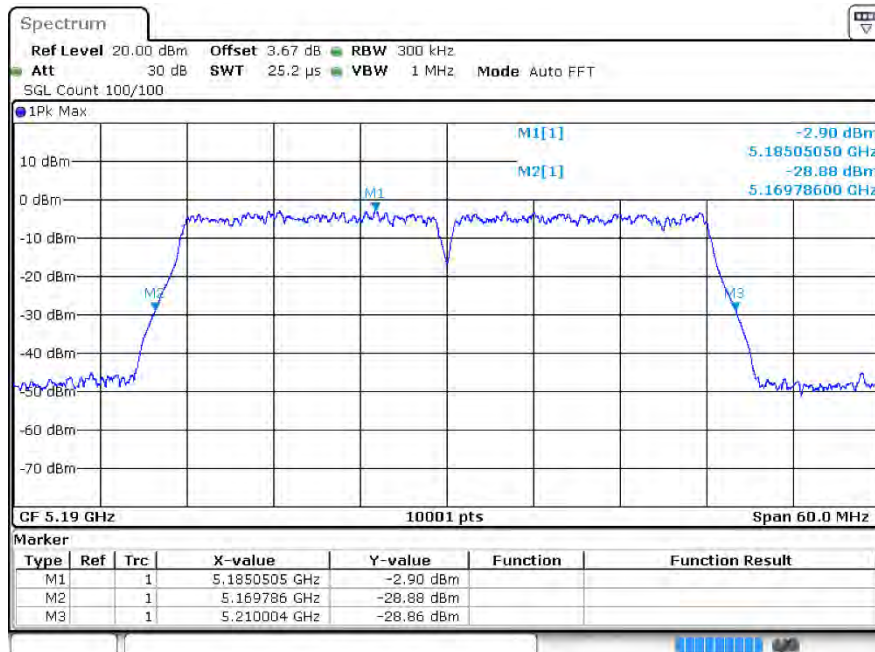
-26dB Bandwidth ac20 5200MHz Ant1



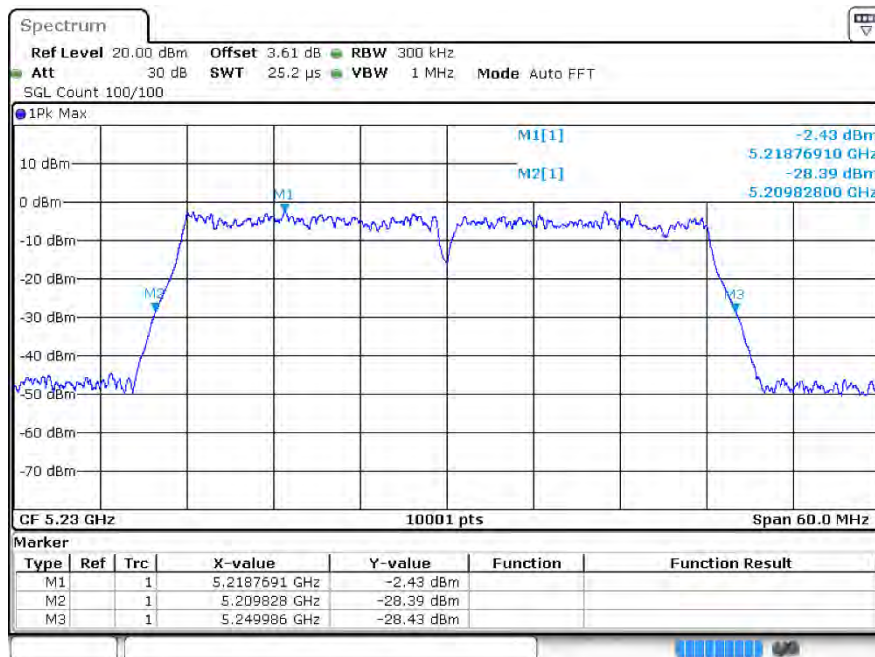
-26dB Bandwidth ac20 5240MHz Ant1



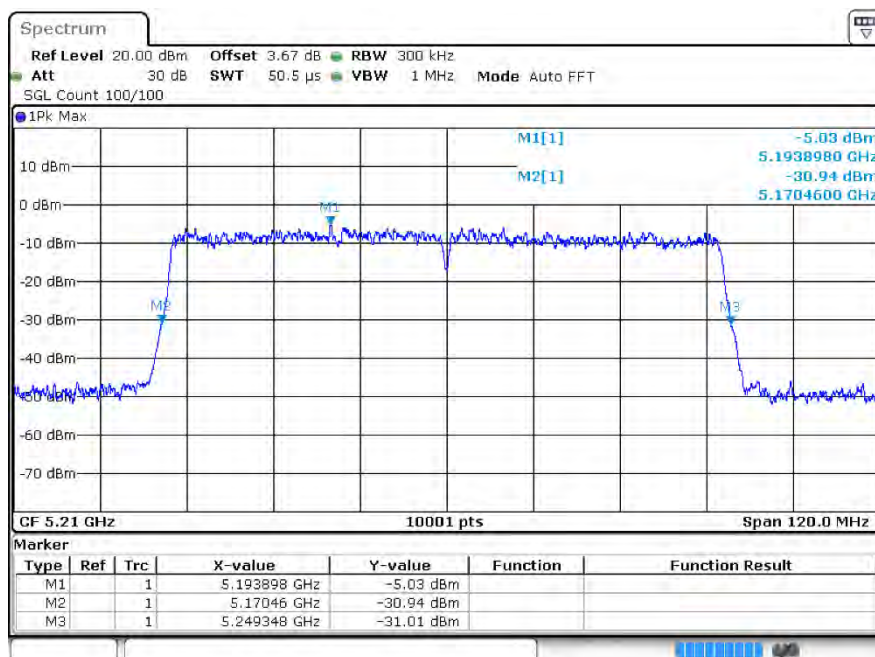
-26dB Bandwidthac40 5190MHz Ant1



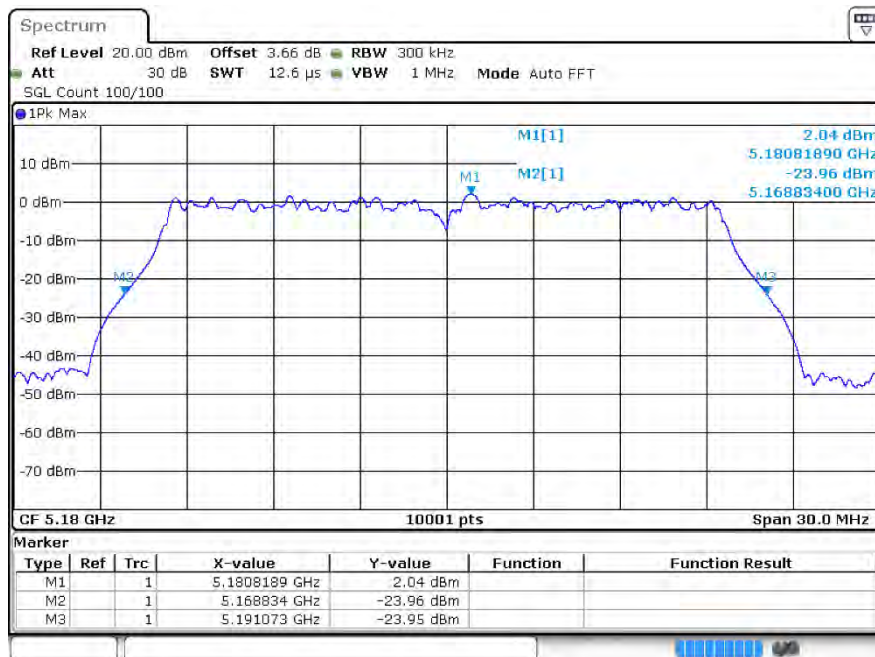
-26dB Bandwidthac40 5230MHz Ant1



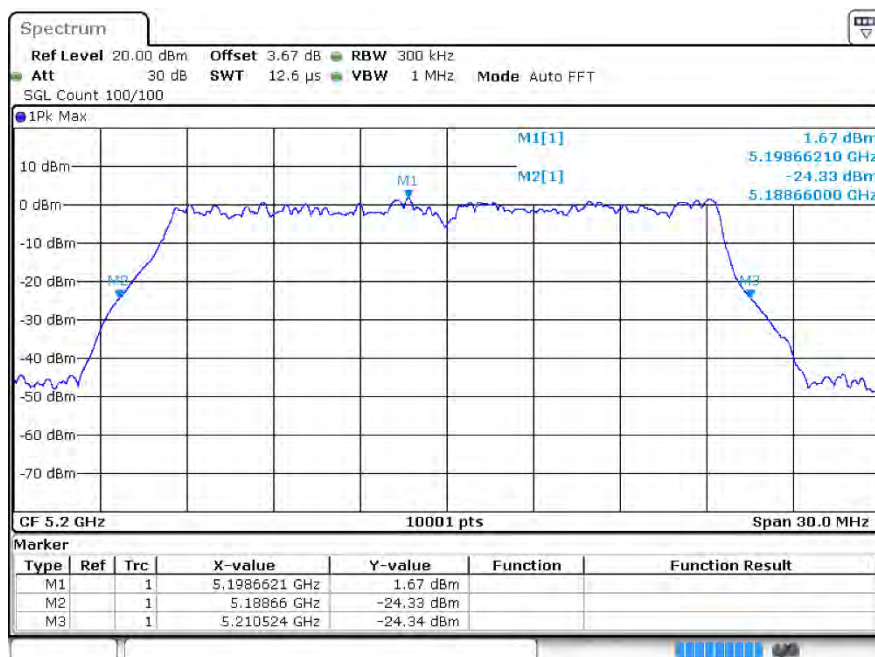
-26dB Bandwidthac80 5210MHz Ant1



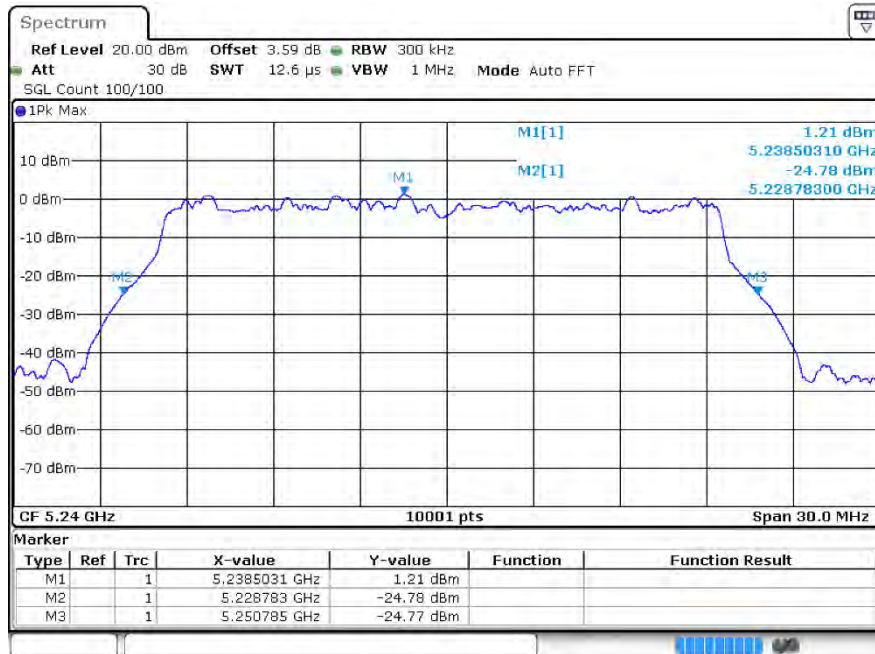
-26dB Bandwidth ax20 5180MHz Ant1



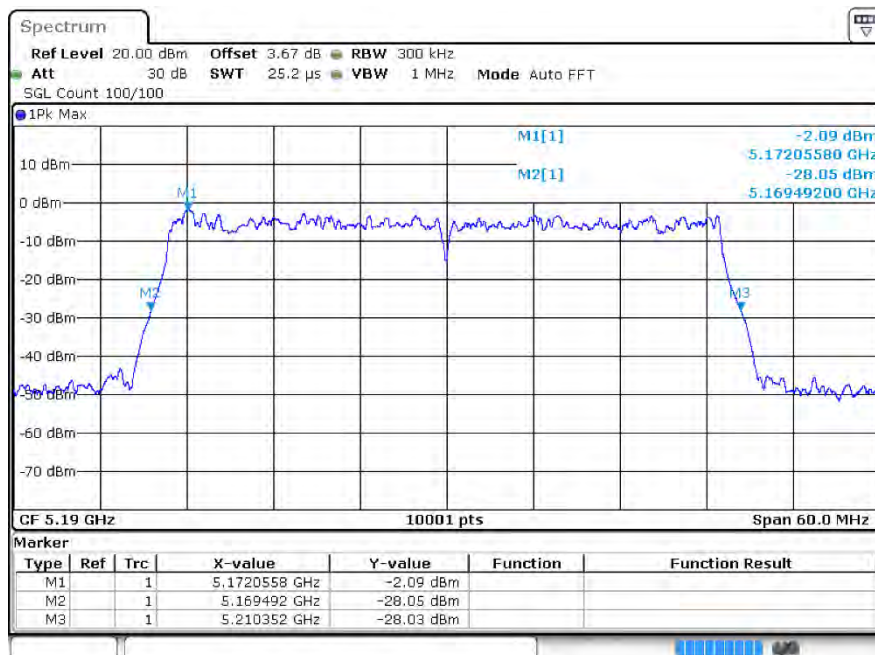
-26dB Bandwidth ax20 5200MHz Ant1



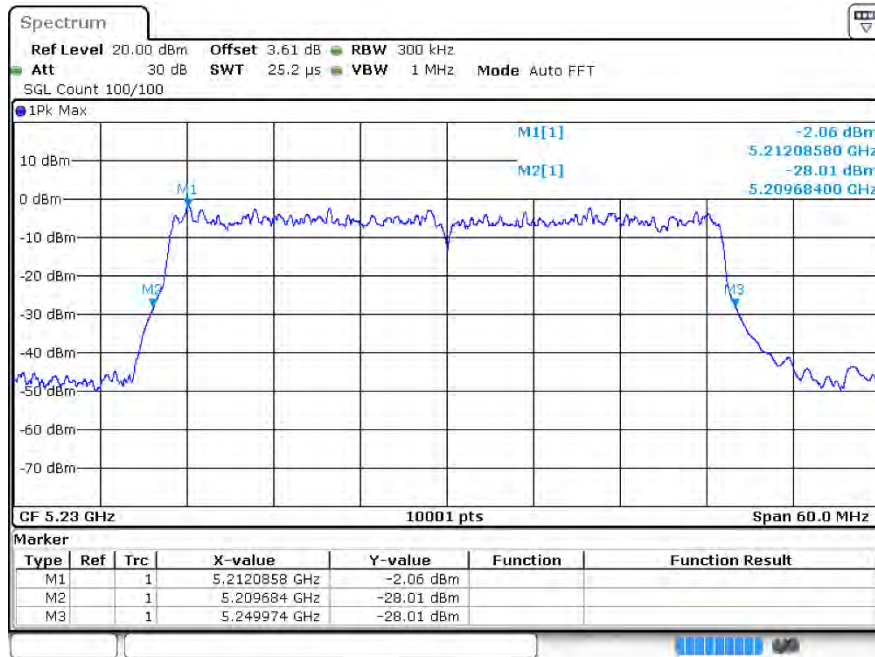
-26dB Bandwidth ax20 5240MHz Ant1



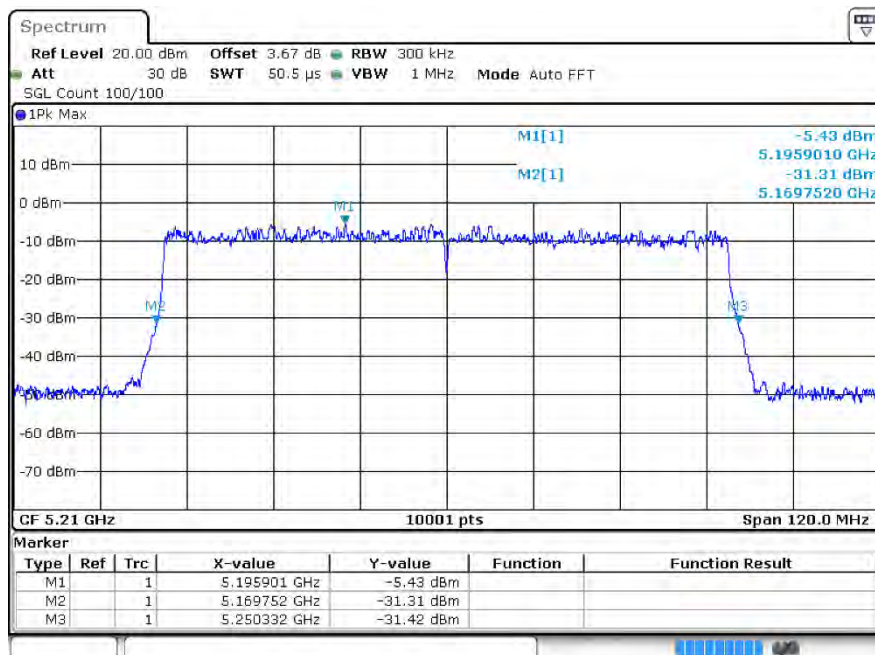
-26dB Bandwidthax40 5190MHz Ant1



-26dB Bandwidthx40 5230MHz Ant1



-26dB Bandwidthx80 5210MHz Ant1



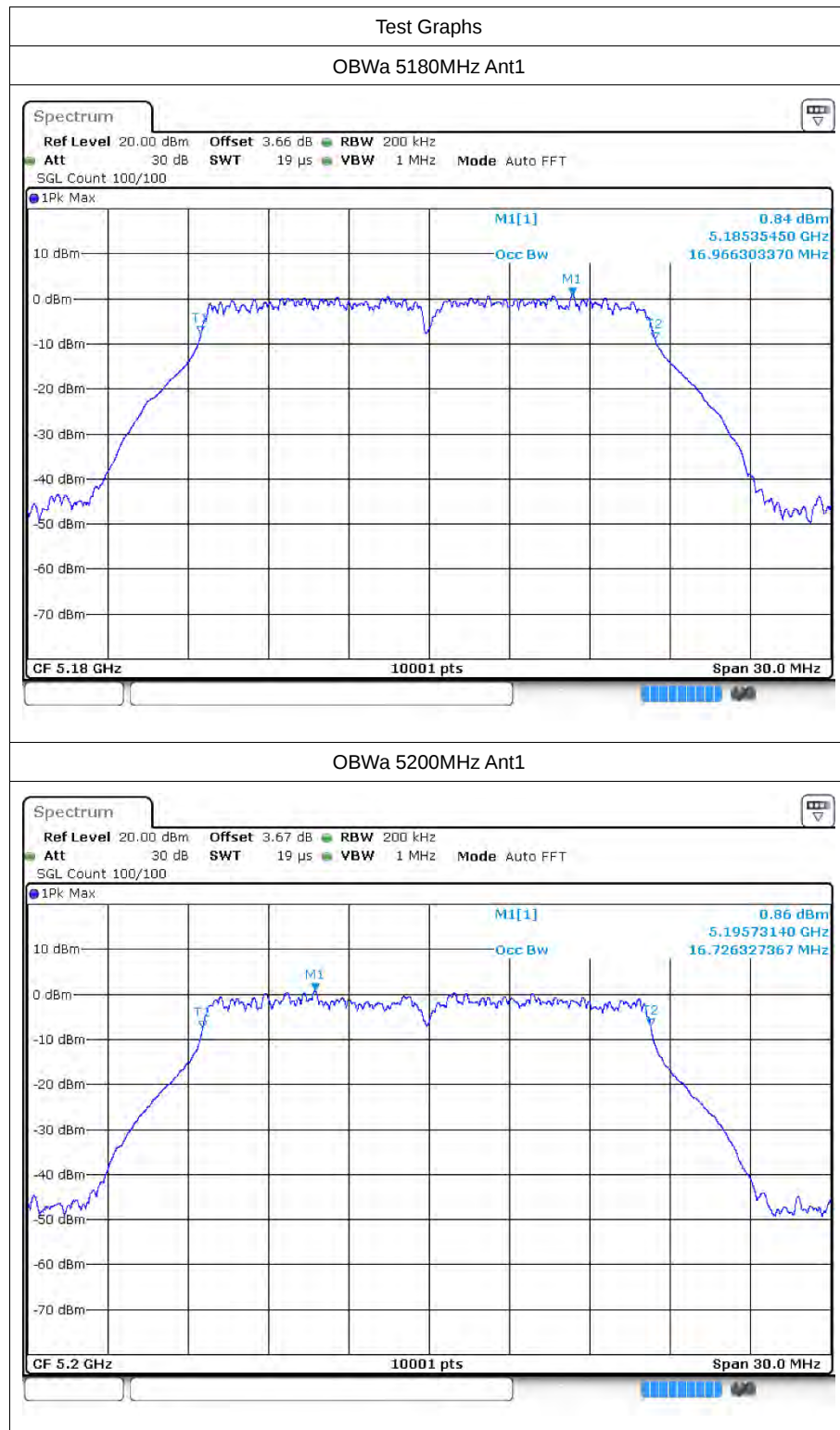


4 Occupied Channel Bandwidth

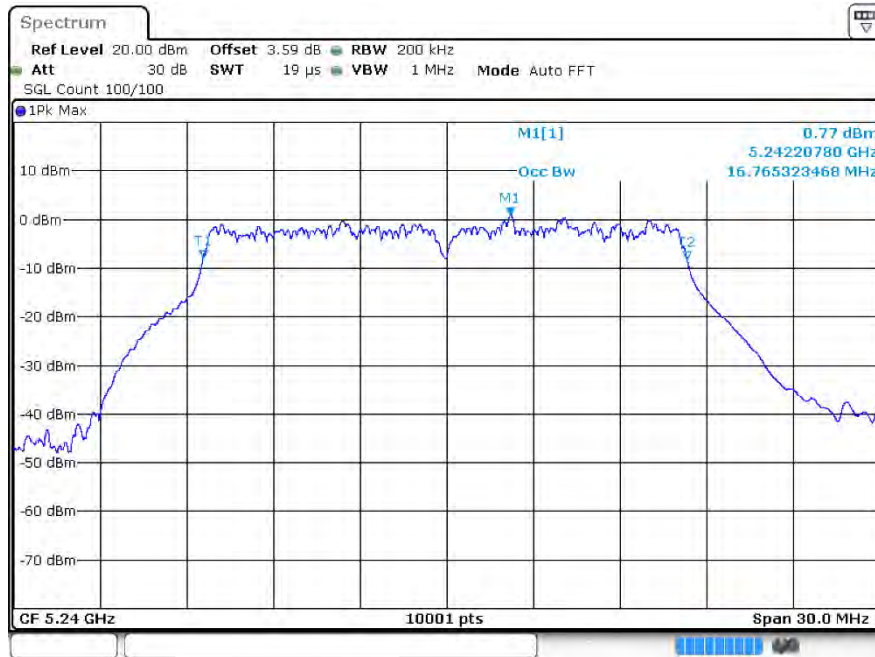
4.1 Test Result

Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
a	5180	Ant1	16.966
a	5200	Ant1	16.726
a	5240	Ant1	16.765
n20	5180	Ant1	17.956
n20	5200	Ant1	17.92
n20	5240	Ant1	17.941
n40	5190	Ant1	36.476
n40	5230	Ant1	36.41
ac20	5180	Ant1	17.812
ac20	5200	Ant1	18.268
ac20	5240	Ant1	17.932
ac40	5190	Ant1	36.416
ac40	5230	Ant1	36.524
ac80	5210	Ant1	75.424
ax20	5180	Ant1	19.012
ax20	5200	Ant1	19.039
ax20	5240	Ant1	19.054
ax40	5190	Ant1	37.826
ax40	5230	Ant1	37.898
ax80	5210	Ant1	77.428

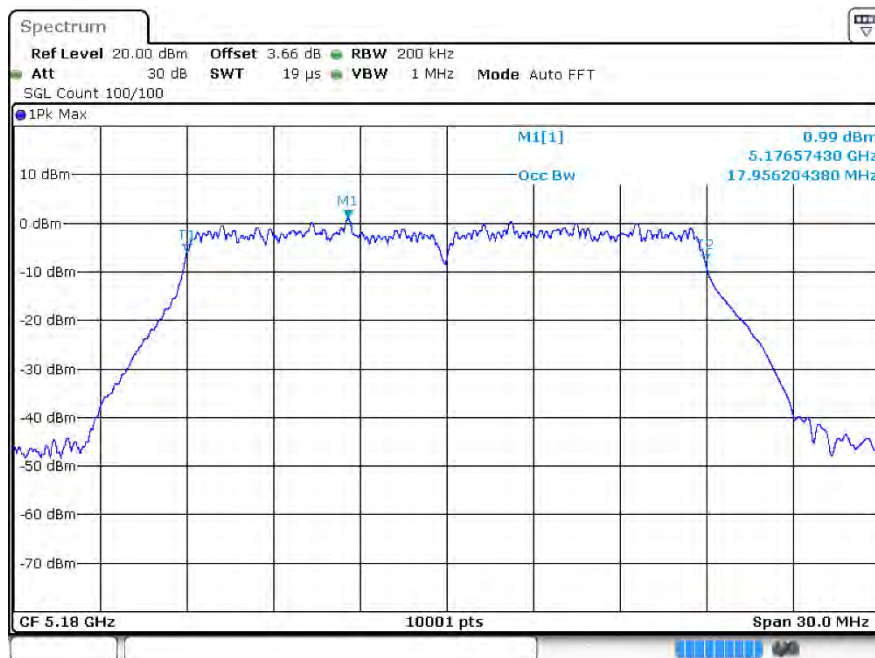
4.2 Test Graphs



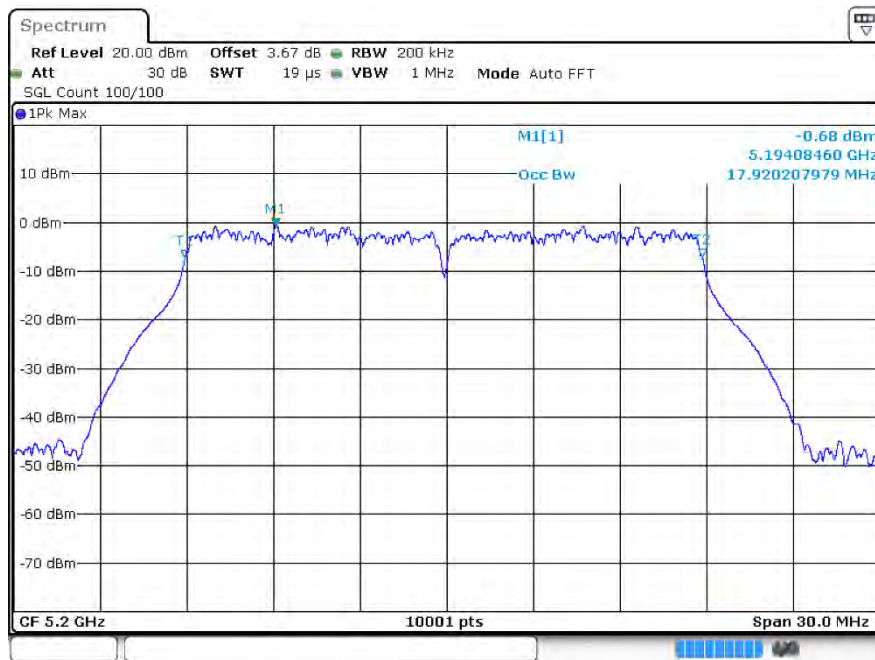
OBWa 5240MHz Ant1



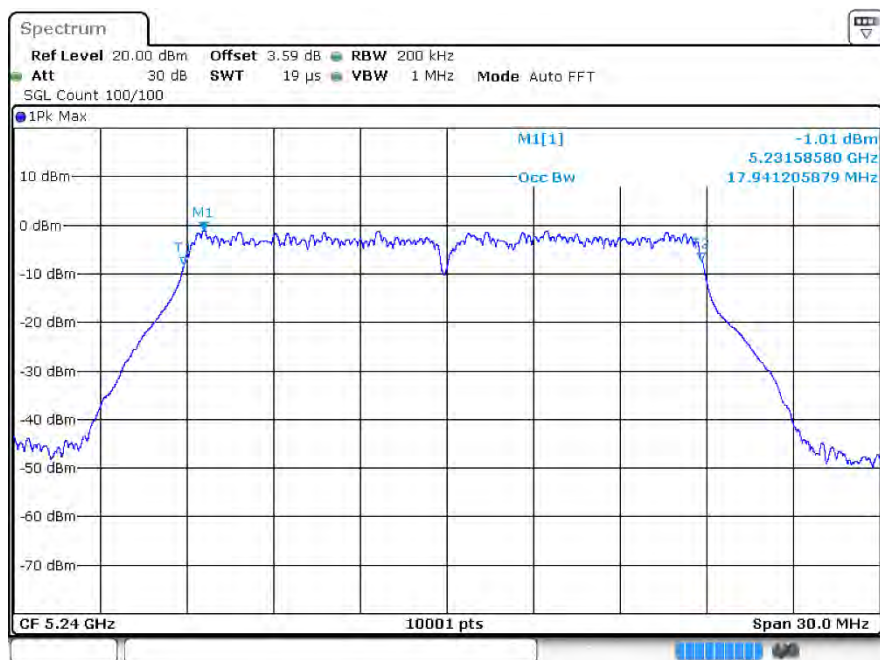
OBW n20 5180MHz Ant1



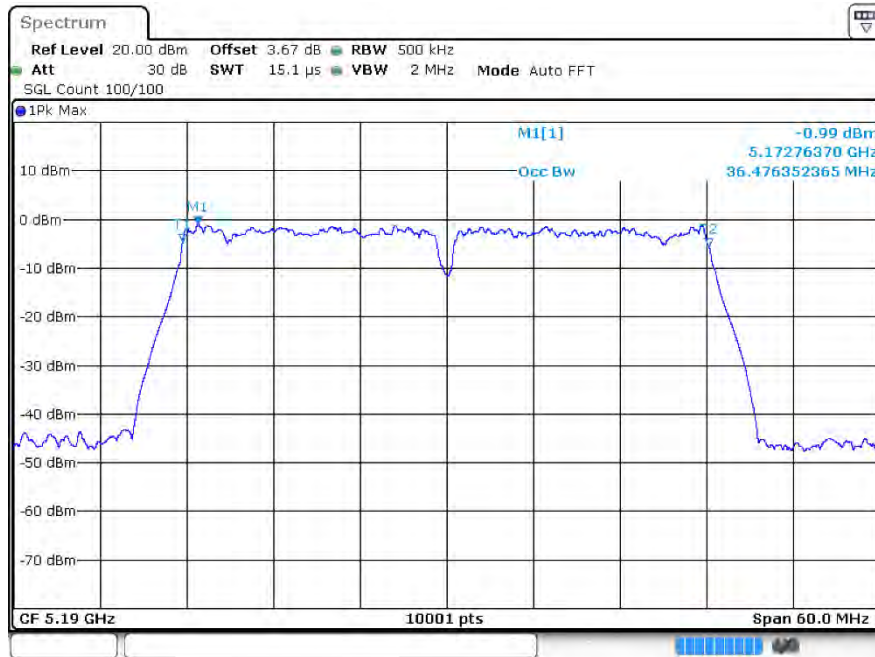
OBW n20 5200MHz Ant1



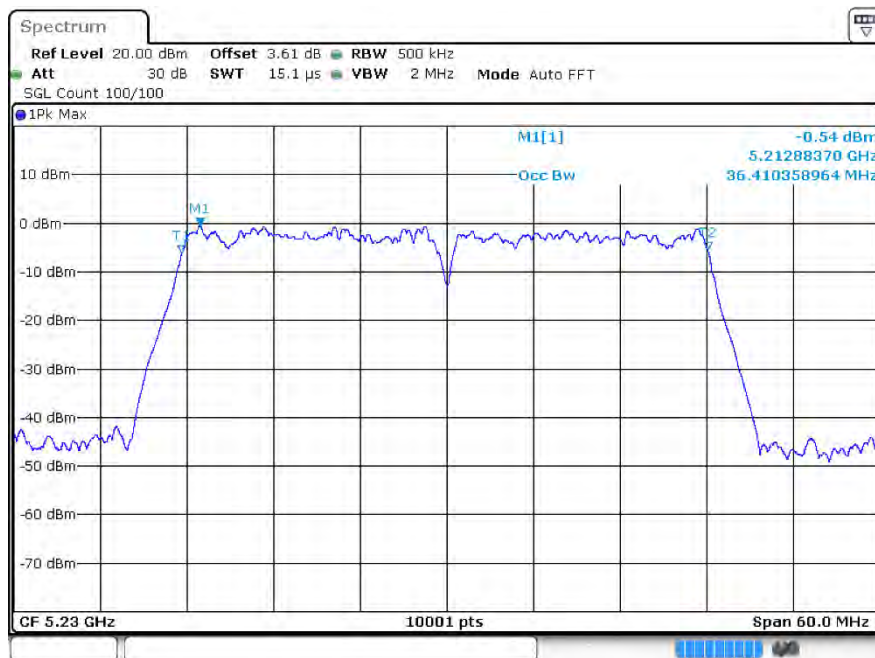
OBW n20 5240MHz Ant1



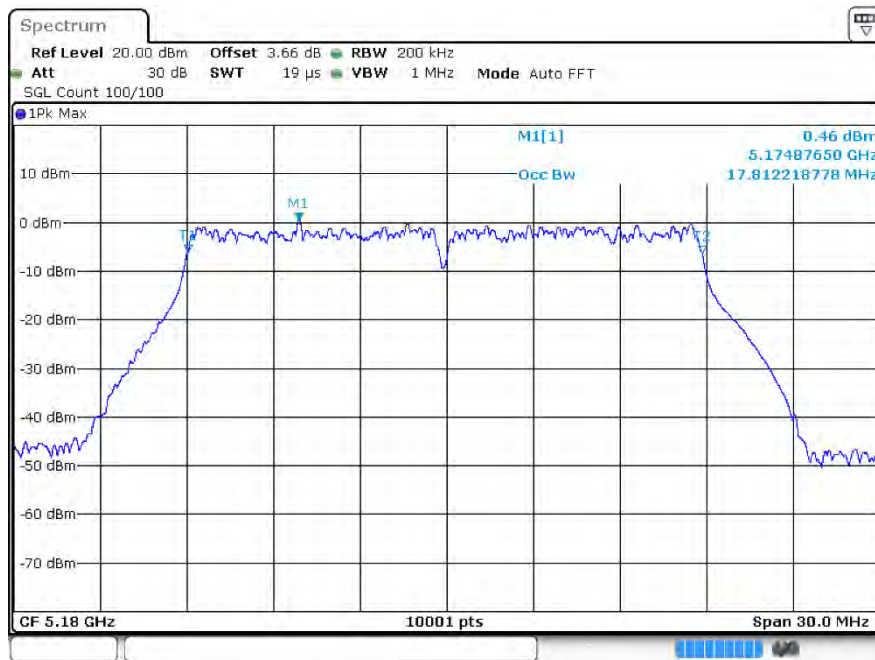
OBWn40 5190MHz Ant1



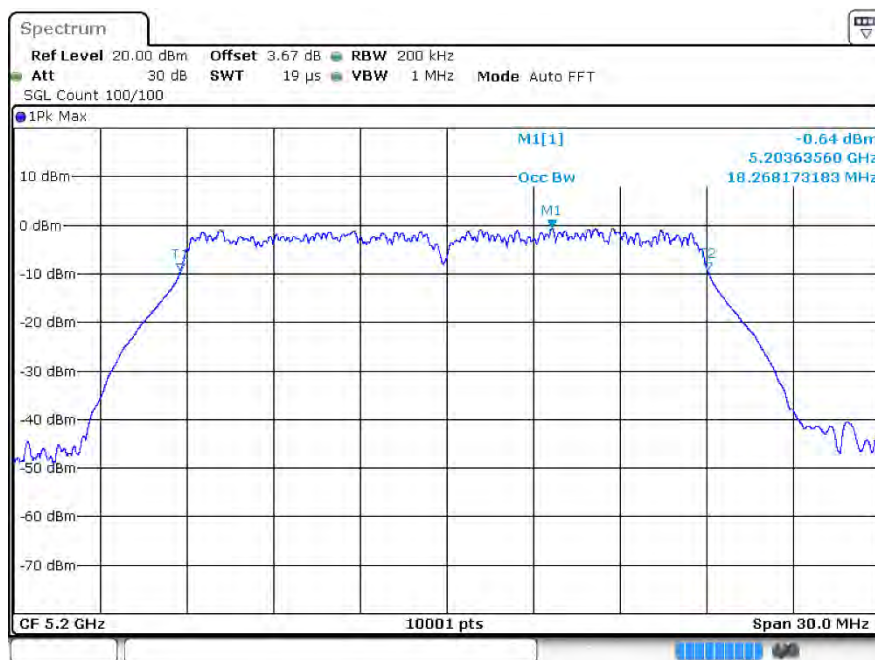
OBWn40 5230MHz Ant1



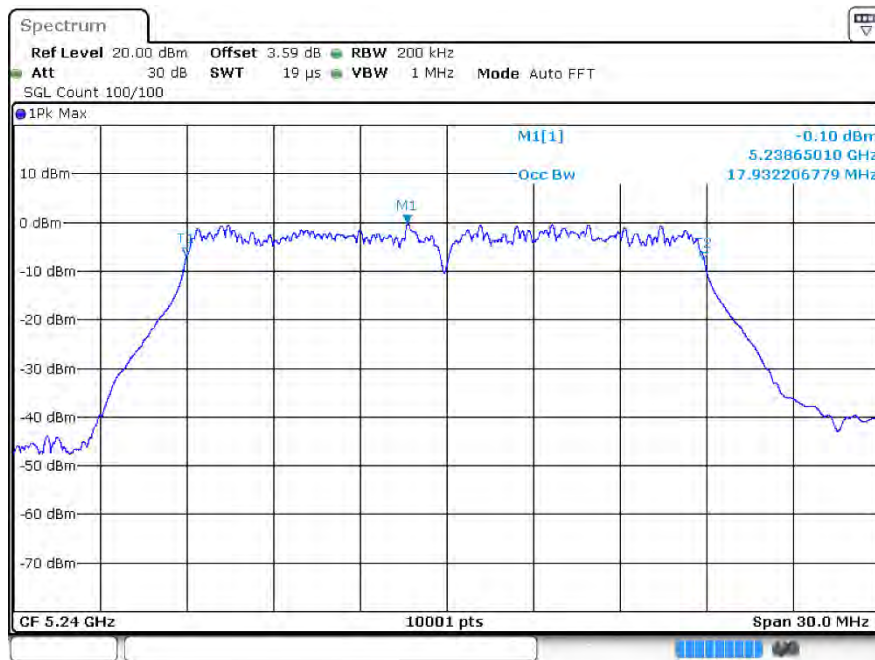
OBW ac20 5180MHz Ant1



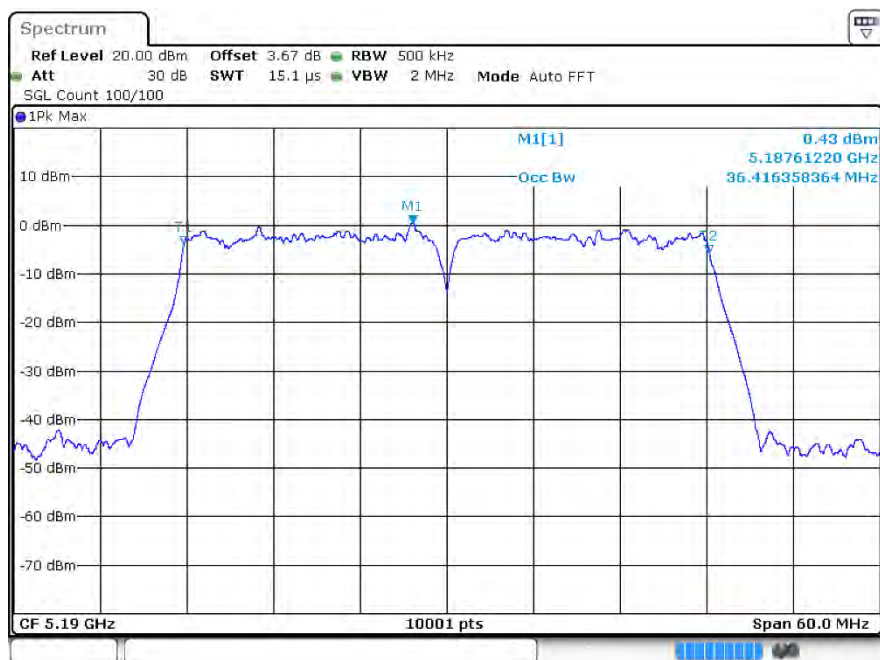
OBW ac20 5200MHz Ant1



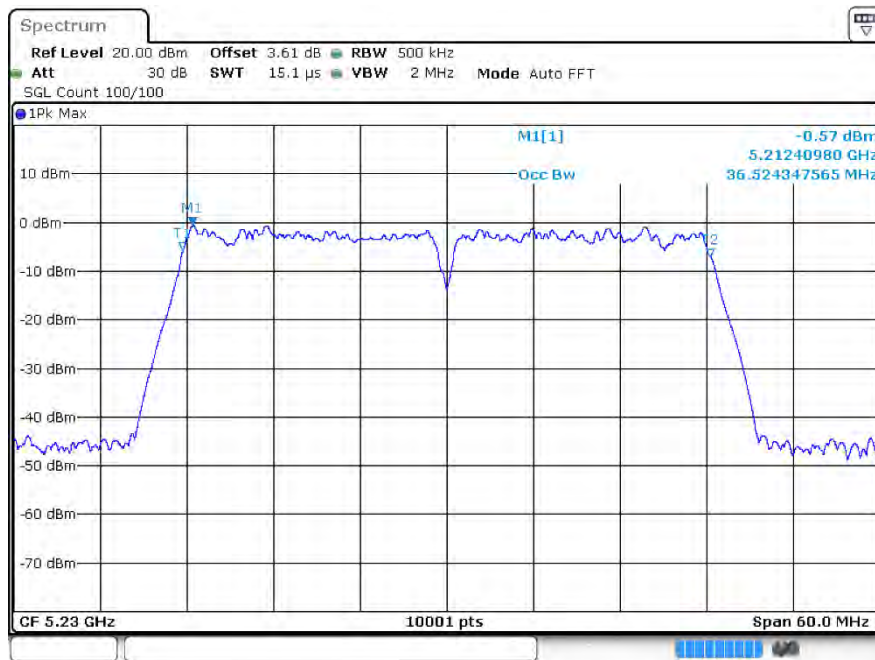
OBW ac20 5240MHz Ant1



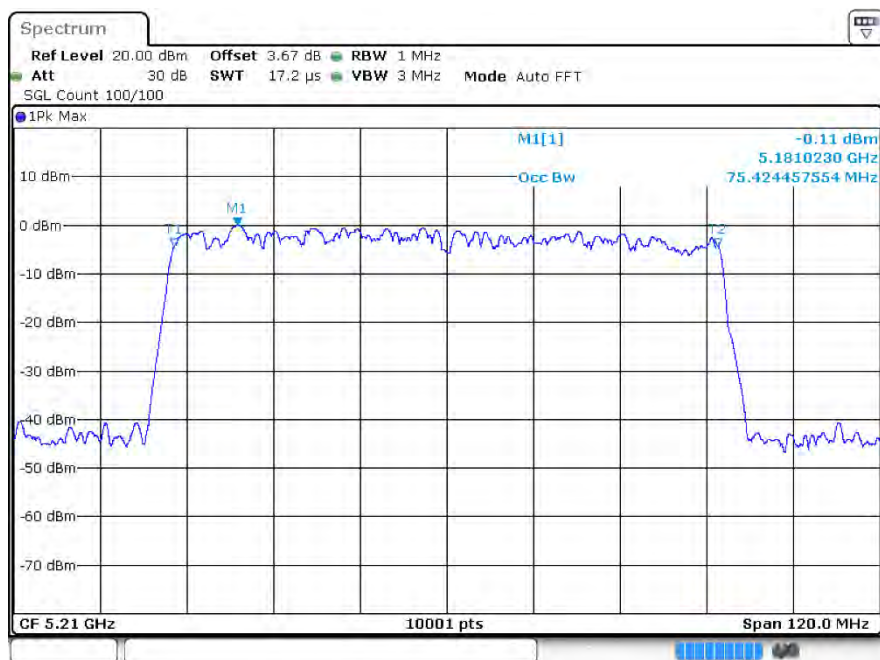
OBWac40 5190MHz Ant1



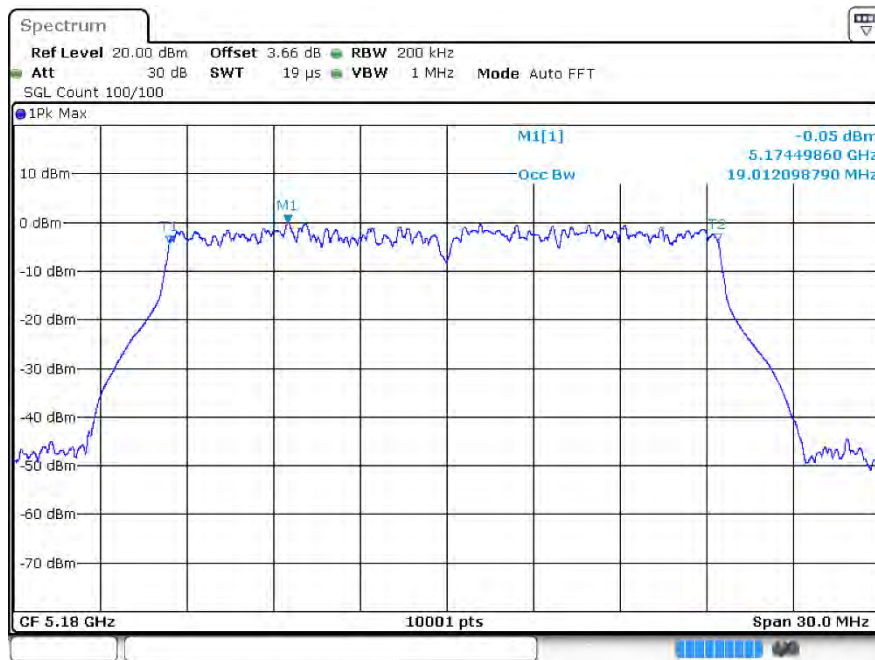
OBWac40 5230MHz Ant1



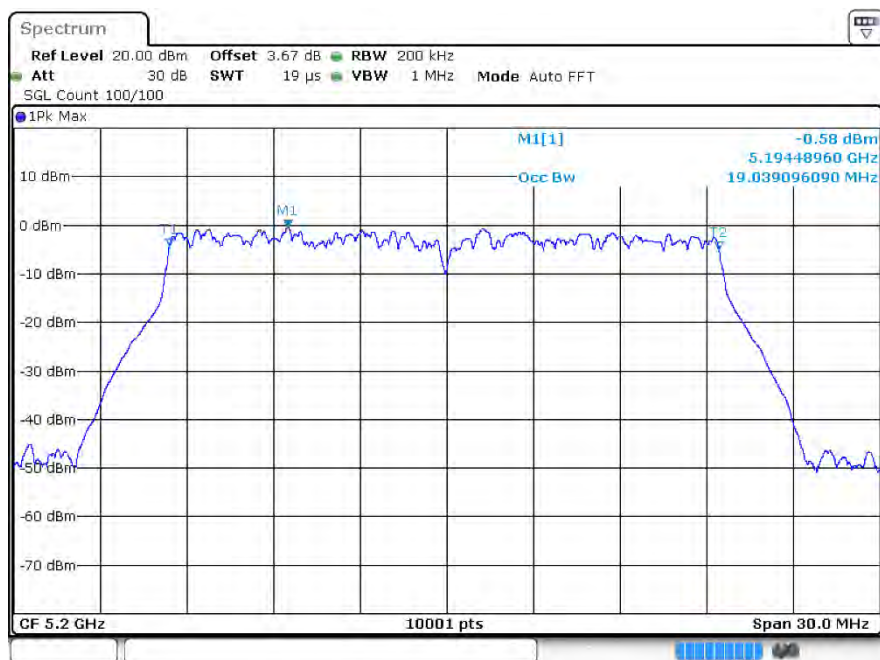
OBWac80 5210MHz Ant1



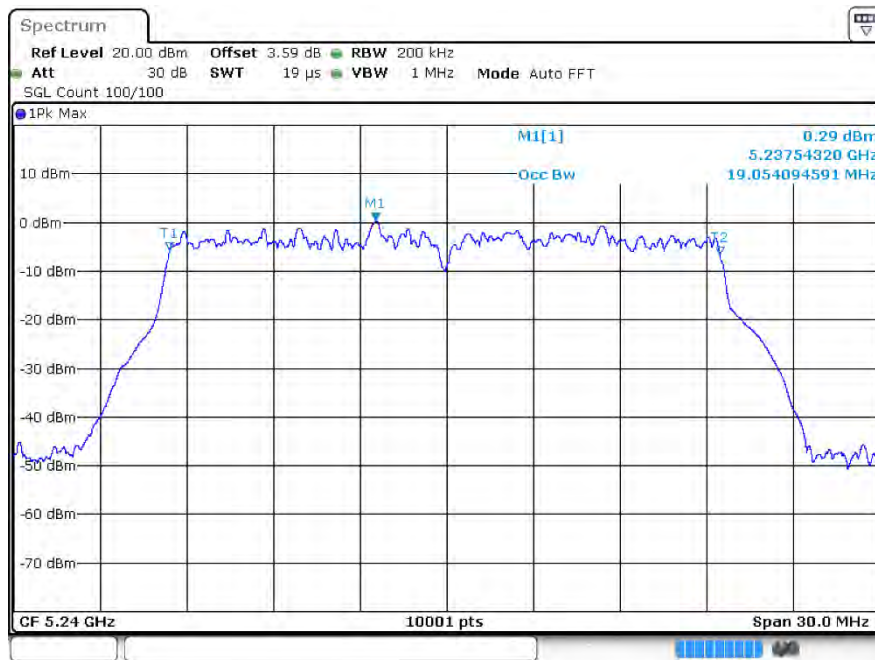
OBW ax20 5180MHz Ant1



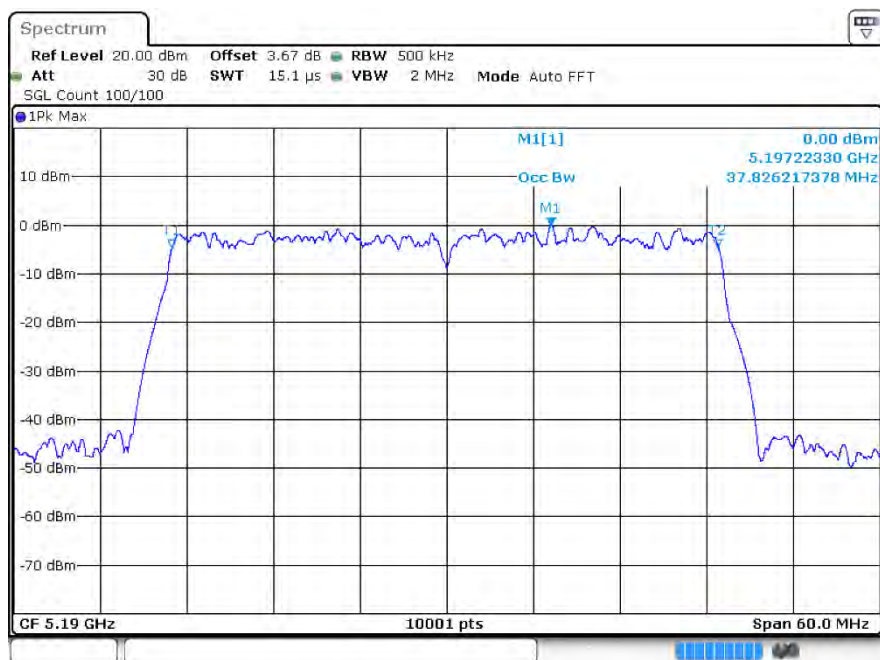
OBW ax20 5200MHz Ant1



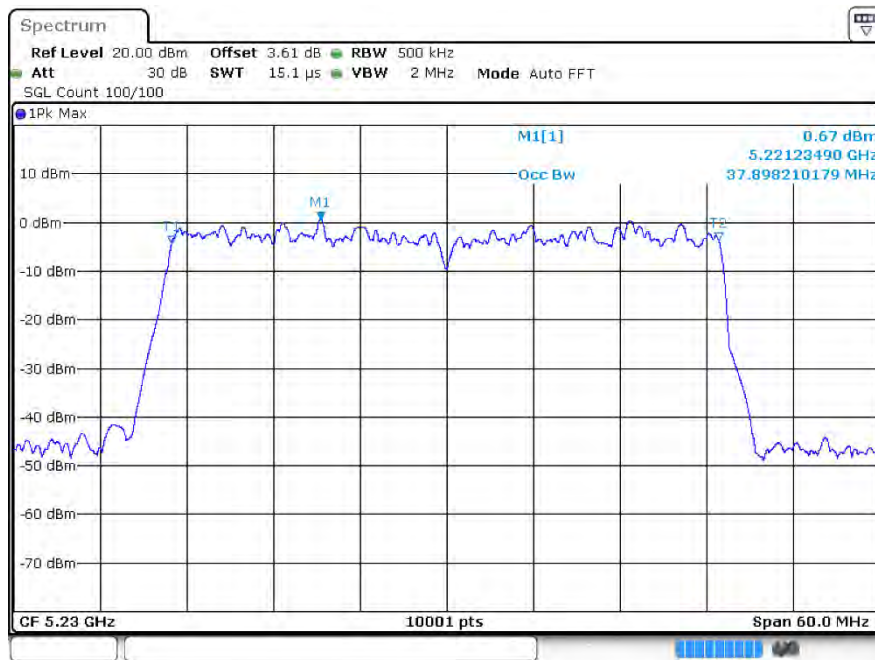
OBW ax20 5240MHz Ant1



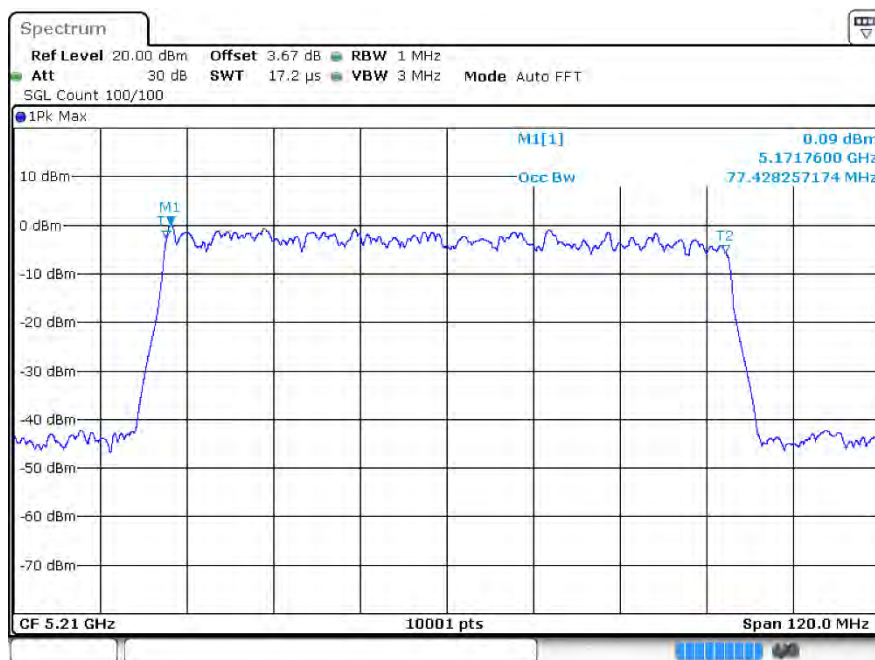
OBWax40 5190MHz Ant1



OBWax40 5230MHz Ant1



OBWax80 5210MHz Ant1

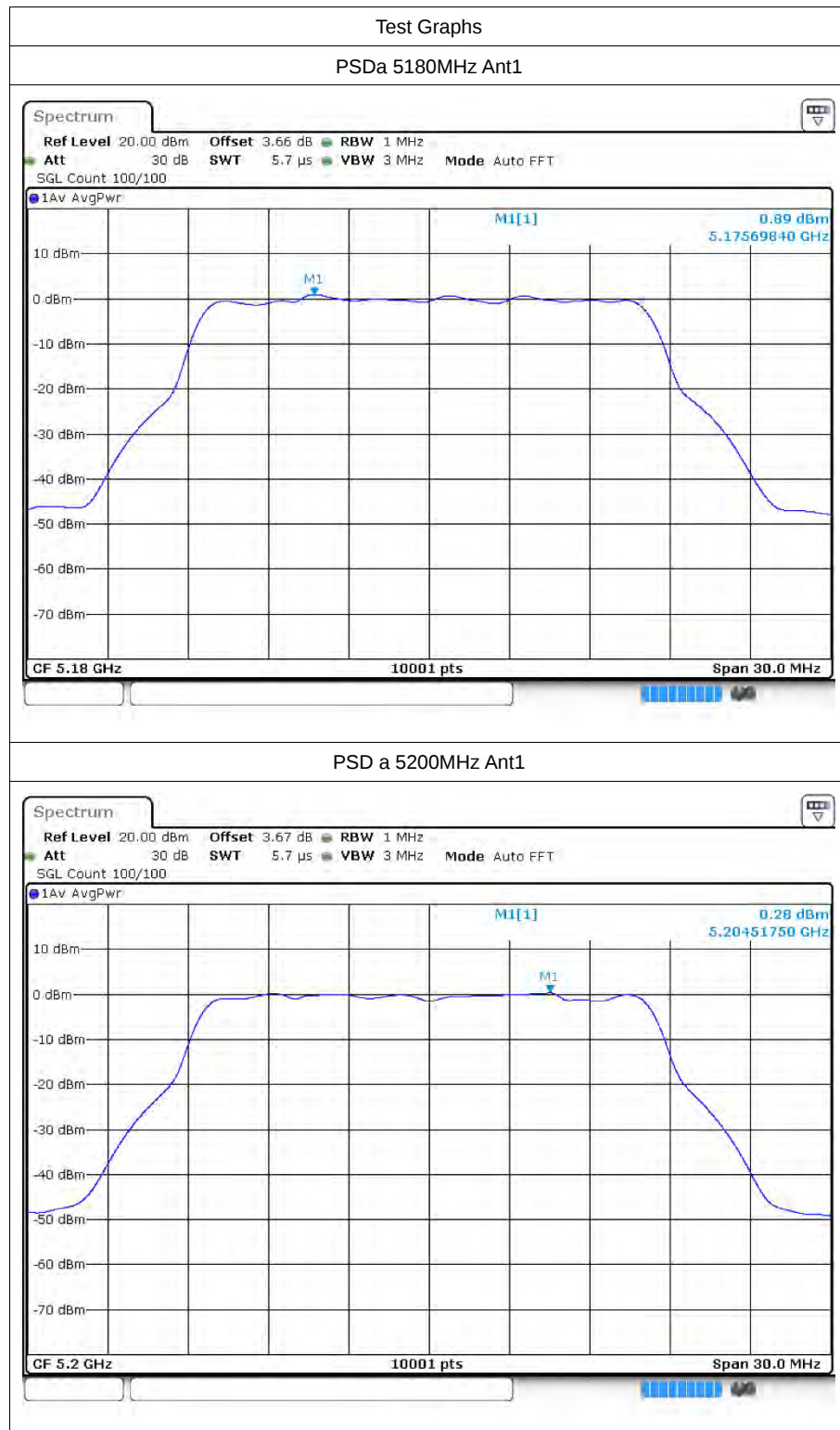


5 Maximum Power Spectral Density Level

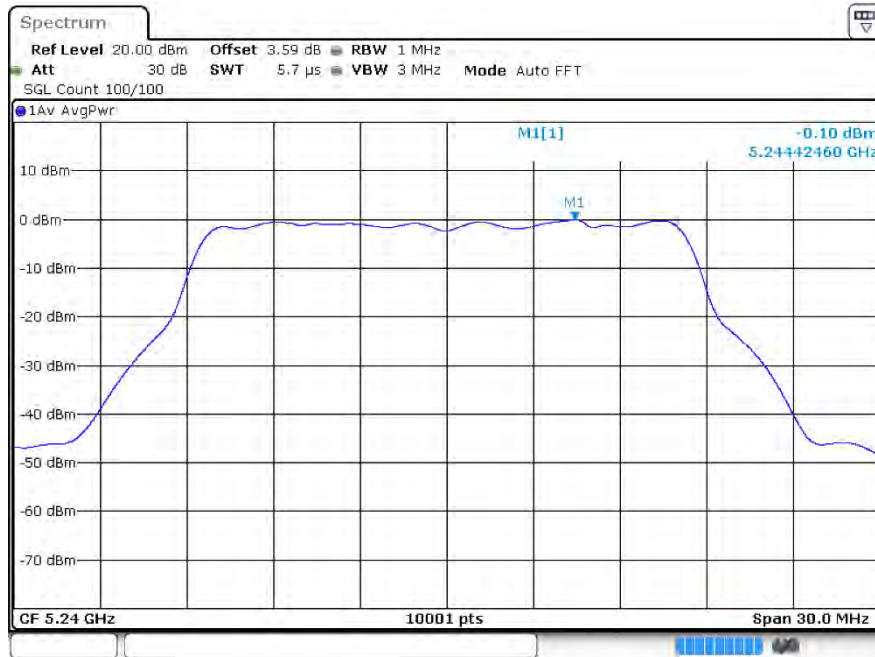
5.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	0.89	0.68	1.57	11	Pass
a	5200	Ant1	0.28	0.32	0.6	11	Pass
a	5240	Ant1	-0.1	0.29	0.19	11	Pass
n20	5180	Ant1	-0.17	0.29	0.12	11	Pass
n20	5200	Ant1	-0.44	0.32	-0.12	11	Pass
n20	5240	Ant1	-0.95	0.65	-0.3	11	Pass
n40	5190	Ant1	-4.44	0.3	-4.14	11	Pass
n40	5230	Ant1	-4.23	0.31	-3.92	11	Pass
ac20	5180	Ant1	-0.3	1.18	0.88	11	Pass
ac20	5200	Ant1	-0.55	0.38	-0.17	11	Pass
ac20	5240	Ant1	-1.23	0.31	-0.92	11	Pass
ac40	5190	Ant1	-4.6	0.31	-4.29	11	Pass
ac40	5230	Ant1	-4.48	0.3	-4.18	11	Pass
ac80	5210	Ant1	-8.13	1.83	-6.3	11	Pass
ax20	5180	Ant1	-1.4	0.8	-0.6	11	Pass
ax20	5200	Ant1	-1.71	0.79	-0.92	11	Pass
ax20	5240	Ant1	-2.6	0.79	-1.81	11	Pass
ax40	5190	Ant1	-5.86	0.54	-5.32	11	Pass
ax40	5230	Ant1	-5.98	0.59	-5.39	11	Pass
ax80	5210	Ant1	-8.86	0.84	-8.02	11	Pass

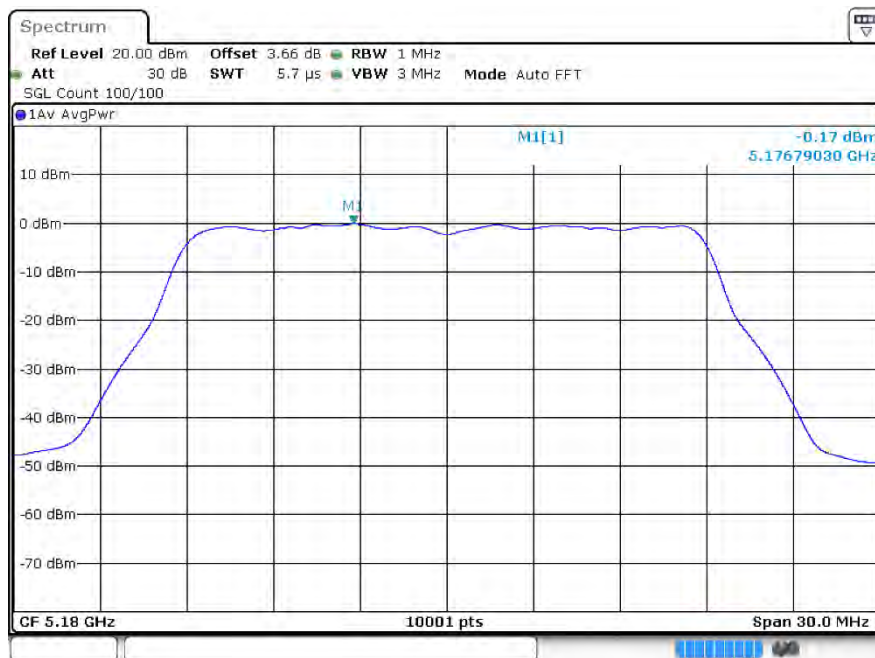
5.2 Test Graphs



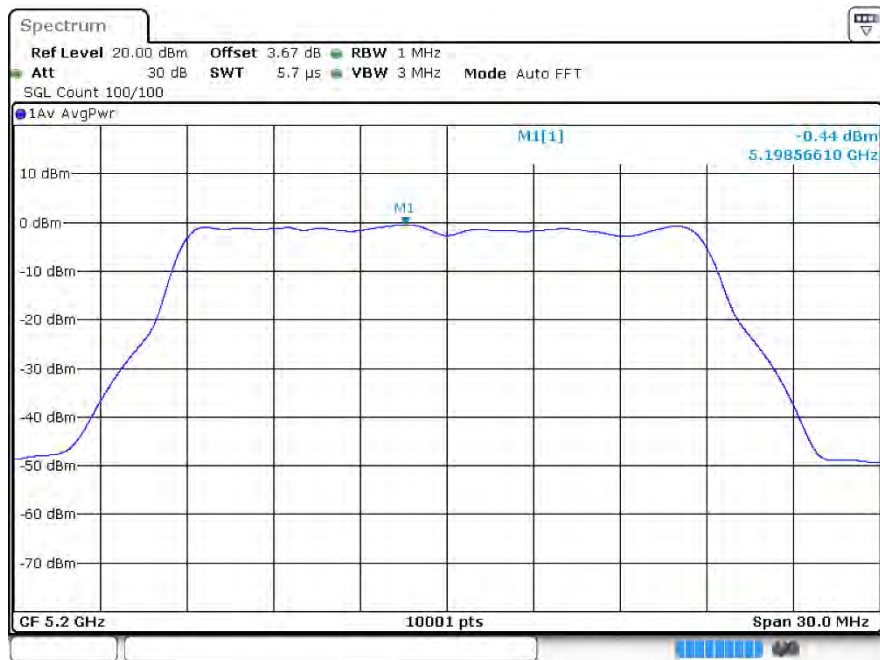
PSDa 5240MHz Ant1



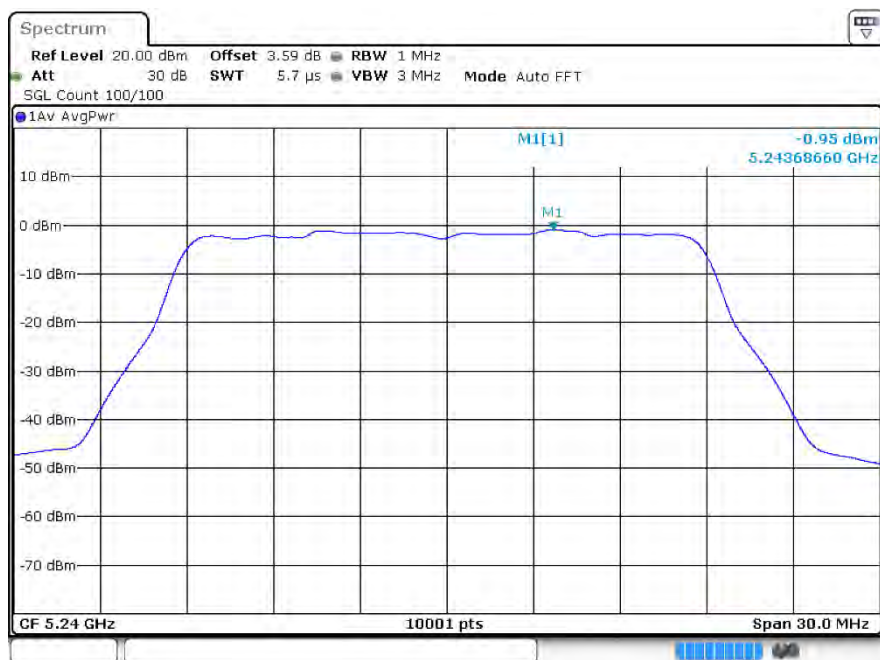
PSD n20 5180MHz Ant1



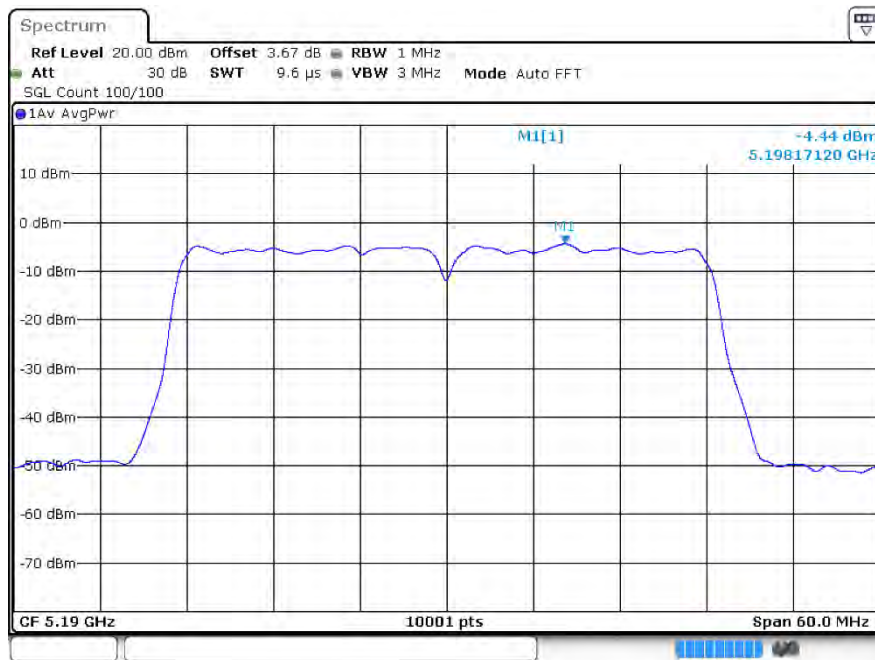
PSD n20 5200MHz Ant1



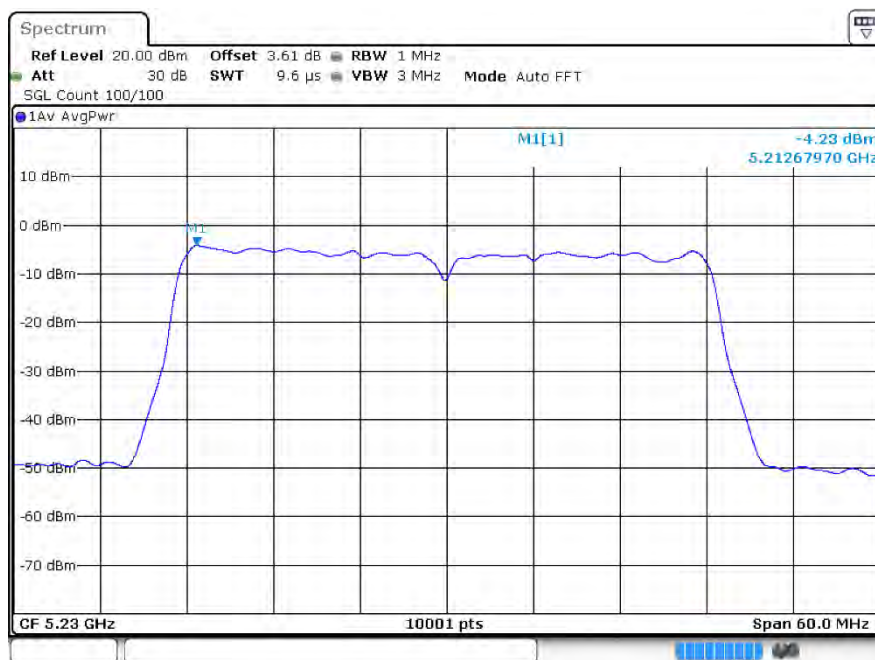
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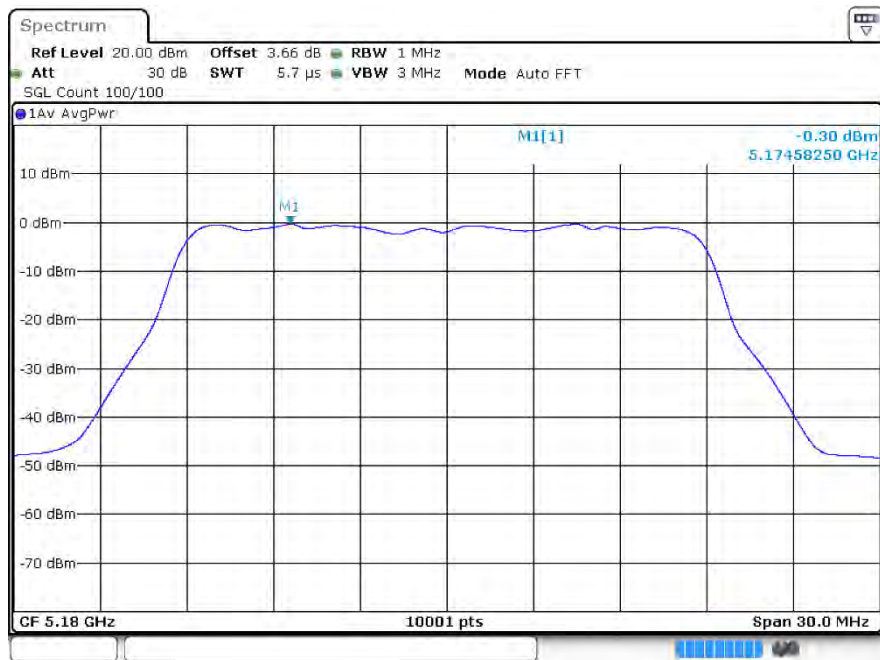
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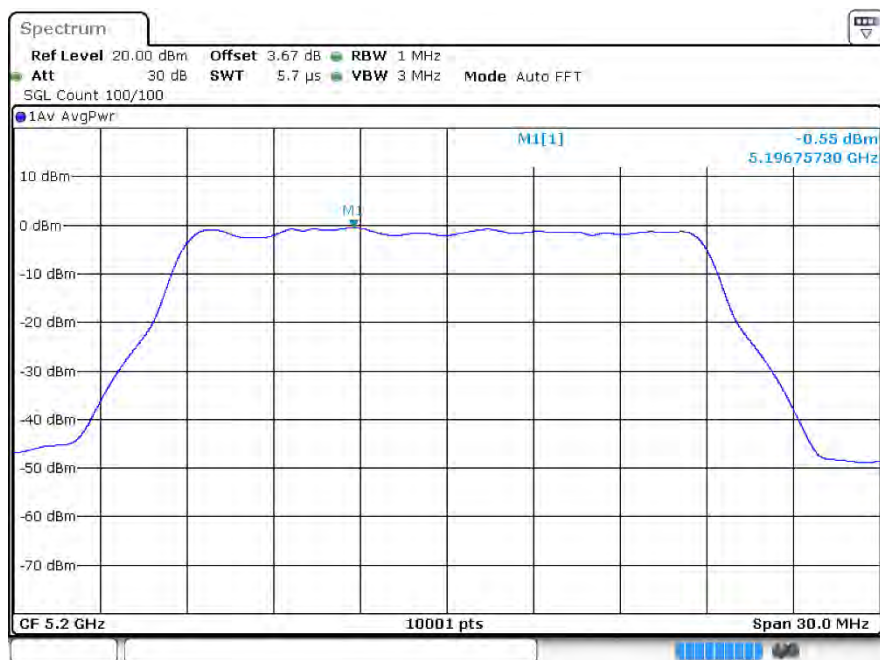
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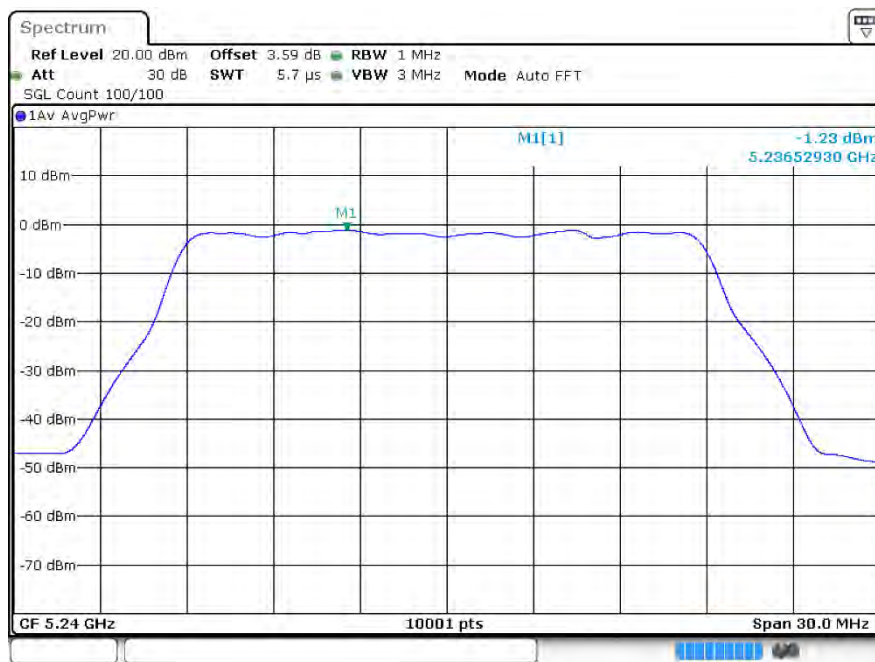
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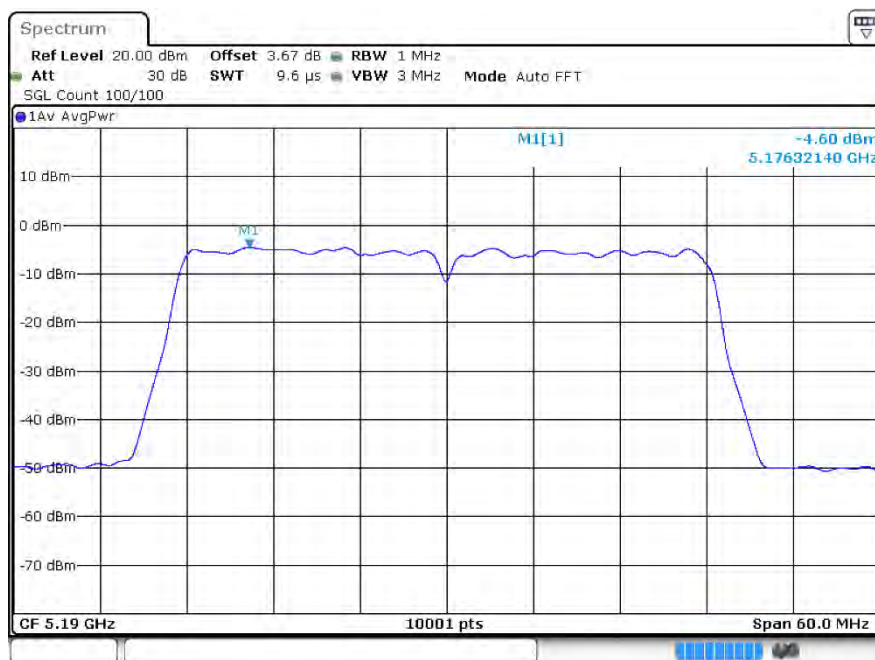
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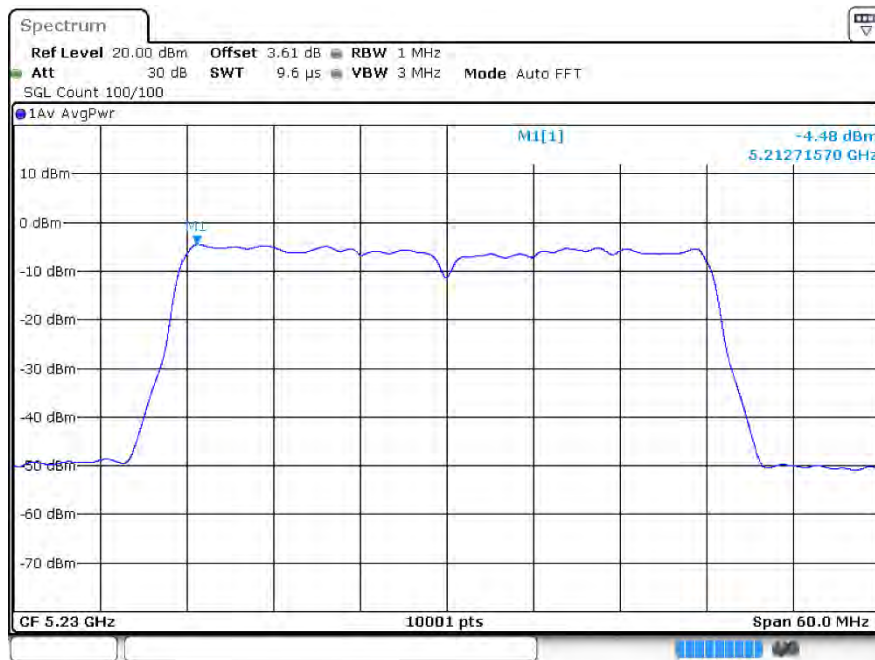
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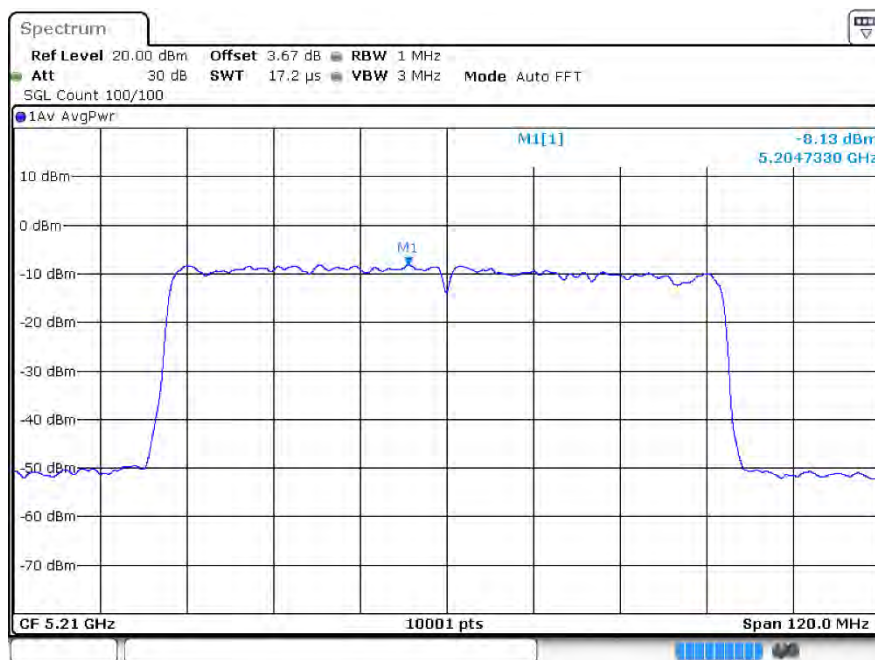
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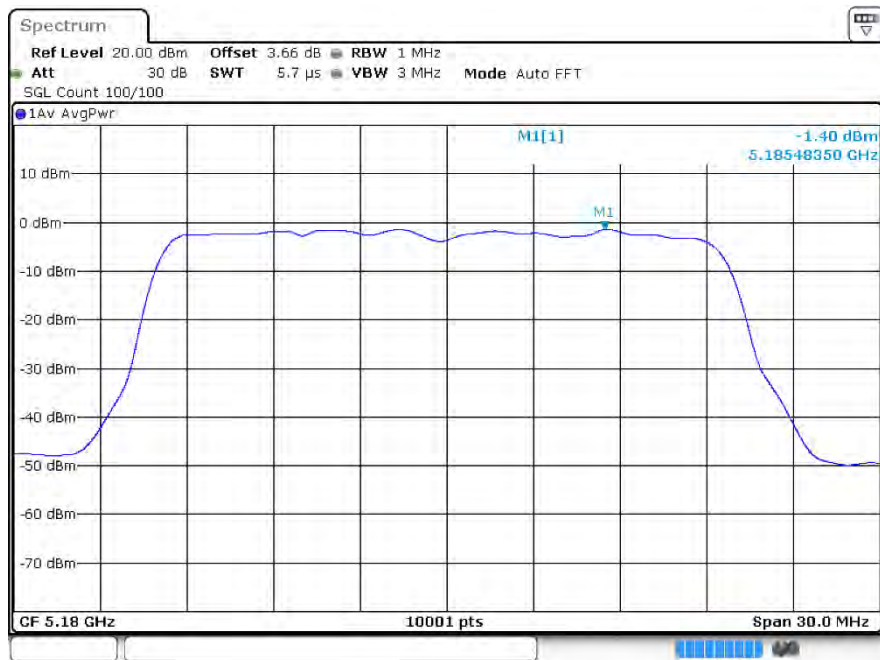
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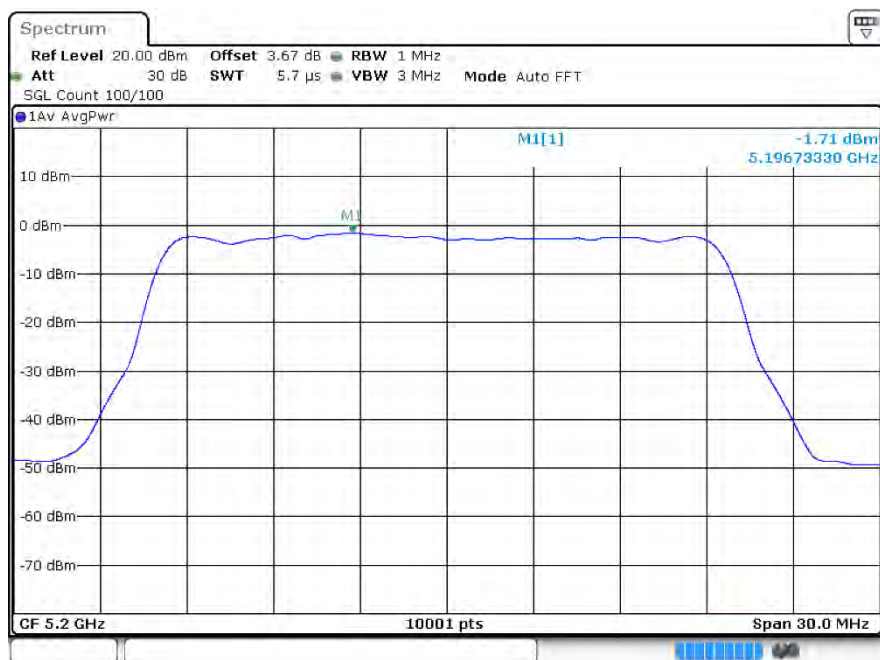
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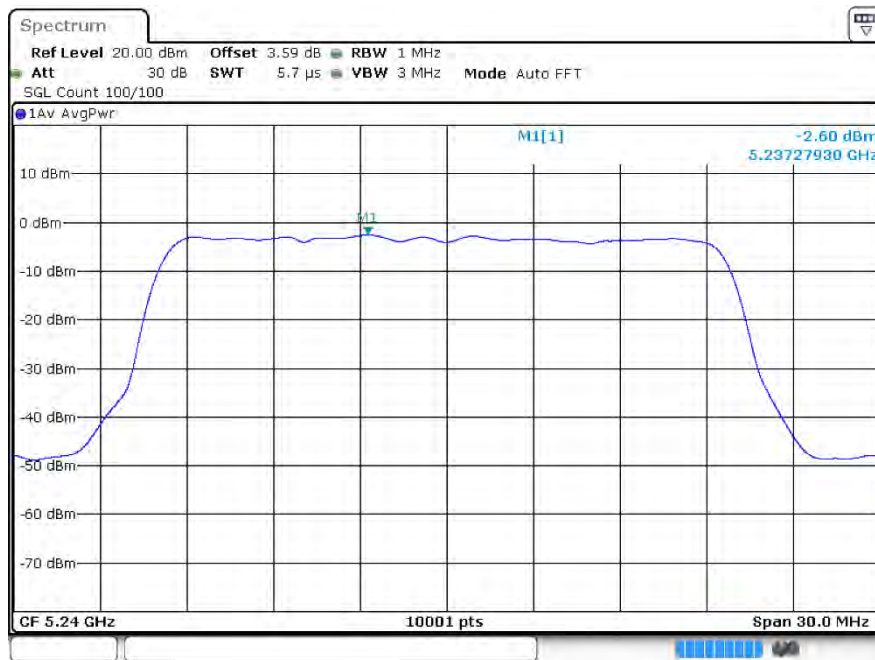
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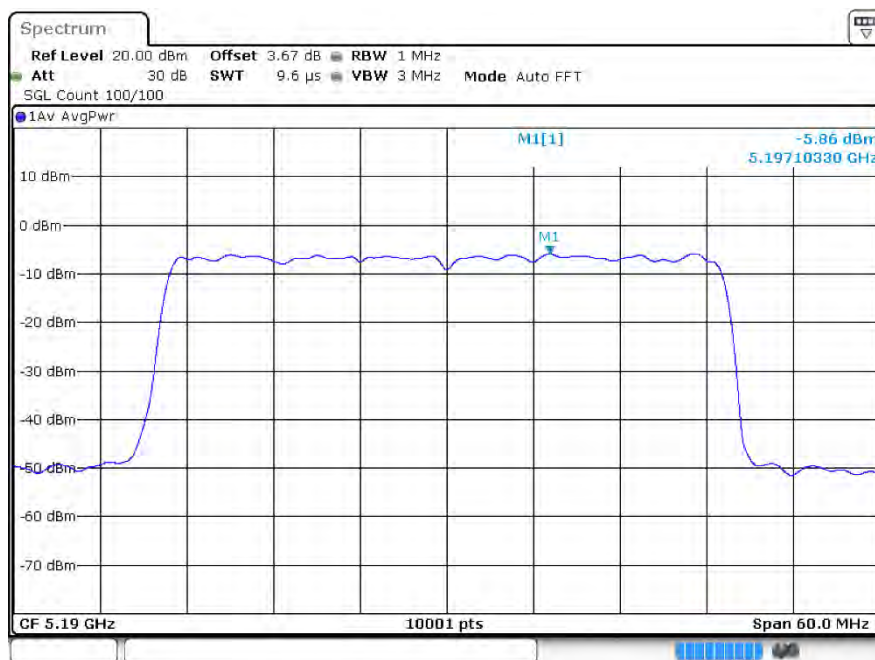
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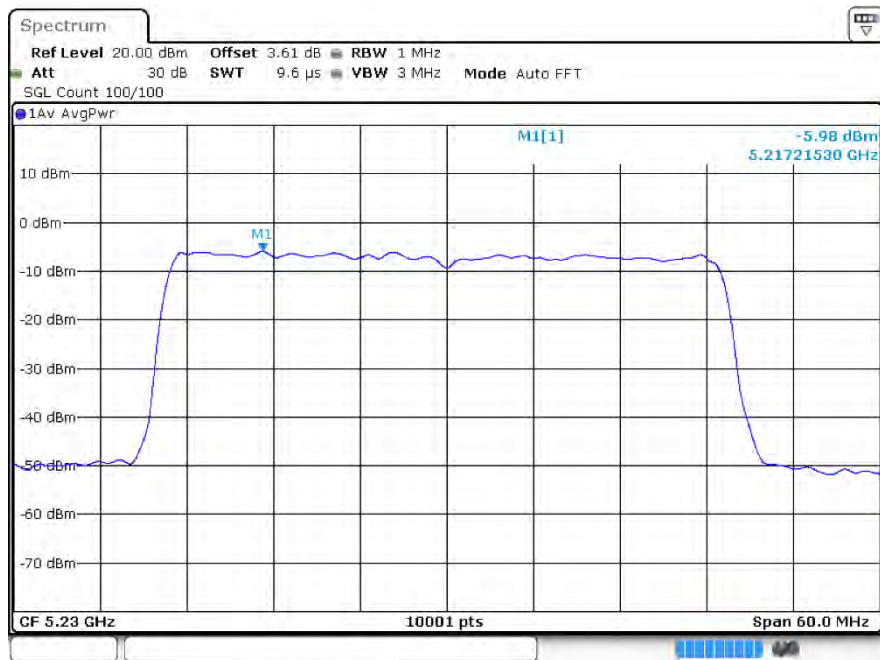
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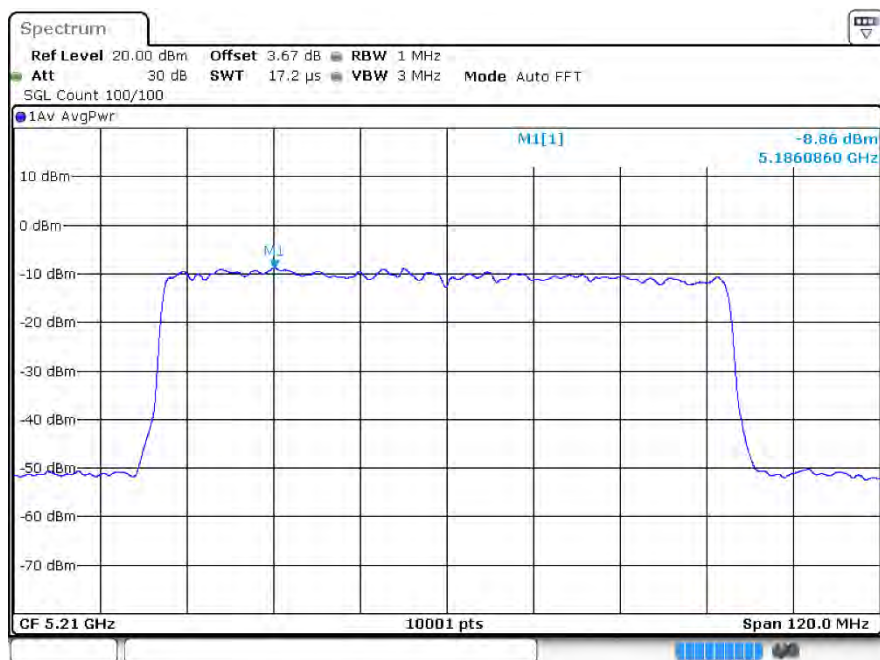
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PSDax40 5230MHz Ant1



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	5179.94	-60000	-11.58	25	Pass
20C 120V	a	5180	Ant1	5179.92	-80000	-15.44	25	Pass
20C 138V	a	5180	Ant1	5179.92	-80000	-15.44	25	Pass
-20C 120V	a	5180	Ant1	5179.94	-60000	-11.58	25	Pass
-10C 120V	a	5180	Ant1	5179.92	-80000	-15.44	25	Pass
0C 120V	a	5180	Ant1	5179.92	-80000	-15.44	25	Pass
10C 120V	a	5180	Ant1	5179.9	-100000	-19.31	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	5179.9	-100000	-19.31	25	Pass
20C 102V	a	5200	Ant1	5199.92	-80000	-15.38	25	Pass
20C 120V	a	5200	Ant1	5199.9	-100000	-19.23	25	Pass
20C 138V	a	5200	Ant1	5199.9	-100000	-19.23	25	Pass
-20C 120V	a	5200	Ant1	5199.9	-100000	-19.23	25	Pass
-10C 120V	a	5200	Ant1	5199.9	-100000	-19.23	25	Pass
0C 120V	a	5200	Ant1	5199.92	-80000	-15.38	25	Pass
10C 120V	a	5200	Ant1	5199.92	-80000	-15.38	25	Pass
30C 120V	a	5200	Ant1	5199.88	-120000	-23.08	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	5239.92	-80000	-15.27	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	5239.92	-80000	-15.27	25	Pass
0C 120V	a	5240	Ant1	5239.92	-80000	-15.27	25	Pass
10C 120V	a	5240	Ant1	5239.92	-80000	-15.27	25	Pass
30C 120V	a	5240	Ant1	5239.92	-80000	-15.27	25	Pass
40C 120V	a	5240	Ant1	5239.9	-100000	-19.08	25	Pass
50C 120V	a	5240	Ant1	5239.88	-120000	-22.9	25	Pass
20C 102V	n20	5180	Ant1	5179.9	-100000	-19.31	25	Pass
20C 120V	n20	5180	Ant1	5179.88	-120000	-23.17	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	5179.9	-100000	-19.31	25	Pass



10C 120V	n20	5180	Ant1	5179.9	-100000	-19.31	25	Pass
30C 120V	n20	5180	Ant1	5179.9	-100000	-19.31	25	Pass
40C 120V	n20	5180	Ant1	5179.92	-80000	-15.44	25	Pass
50C 120V	n20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
20C 102V	n20	5200	Ant1	5199.9	-100000	-19.23	25	Pass
20C 120V	n20	5200	Ant1	5199.9	-100000	-19.23	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	5199.9	-100000	-19.23	25	Pass
0C 120V	n20	5200	Ant1	5199.92	-80000	-15.38	25	Pass
10C 120V	n20	5200	Ant1	5199.9	-100000	-19.23	25	Pass
30C 120V	n20	5200	Ant1	5199.9	-100000	-19.23	25	Pass
40C 120V	n20	5200	Ant1	5199.92	-80000	-15.38	25	Pass
50C 120V	n20	5200	Ant1	5199.92	-80000	-15.38	25	Pass
20C 102V	n20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
20C 120V	n20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
20C 138V	n20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
-20C 120V	n20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
-10C 120V	n20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
0C 120V	n20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
10C 120V	n20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
30C 120V	n20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
40C 120V	n20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
50C 120V	n20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
20C 102V	n40	5190	Ant1	5189.88	-120000	-23.12	25	Pass
20C 120V	n40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
20C 138V	n40	5190	Ant1	5189.88	-120000	-23.12	25	Pass
-20C 120V	n40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
-10C 120V	n40	5190	Ant1	5189.88	-120000	-23.12	25	Pass
0C 120V	n40	5190	Ant1	5189.88	-120000	-23.12	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	5229.92	-80000	-15.3	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	5229.92	-80000	-15.3	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	5229.92	-80000	-15.3	25	Pass
20C 102V	ac20	5180	Ant1	5179.9	-100000	-19.31	25	Pass
20C 120V	ac20	5180	Ant1	5179.9	-100000	-19.31	25	Pass
20C 138V	ac20	5180	Ant1	5179.9	-100000	-19.31	25	Pass
-20C 120V	ac20	5180	Ant1	5179.9	-100000	-19.31	25	Pass
-10C 120V	ac20	5180	Ant1	5179.94	-60000	-11.58	25	Pass
0C 120V	ac20	5180	Ant1	5179.94	-60000	-11.58	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	5179.88	-120000	-23.17	25	Pass
20C 102V	ac20	5200	Ant1	5199.9	-100000	-19.23	25	Pass
20C 120V	ac20	5200	Ant1	5199.88	-120000	-23.08	25	Pass
20C 138V	ac20	5200	Ant1	5199.9	-100000	-19.23	25	Pass
-20C 120V	ac20	5200	Ant1	5199.92	-80000	-15.38	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	5199.9	-100000	-19.23	25	Pass
30C 120V	ac20	5200	Ant1	5199.88	-120000	-23.08	25	Pass
40C 120V	ac20	5200	Ant1	5199.9	-100000	-19.23	25	Pass
50C 120V	ac20	5200	Ant1	5199.9	-100000	-19.23	25	Pass
20C 102V	ac20	5240	Ant1	5239.88	-120000	-22.9	25	Pass
20C 120V	ac20	5240	Ant1	5239.92	-80000	-15.27	25	Pass
20C 138V	ac20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
-20C 120V	ac20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
-10C 120V	ac20	5240	Ant1	5239.92	-80000	-15.27	25	Pass
0C 120V	ac20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
10C 120V	ac20	5240	Ant1	5239.94	-60000	-11.45	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	5189.92	-80000	-15.41	25	Pass
20C 138V	ac40	5190	Ant1	5189.92	-80000	-15.41	25	Pass
-20C 120V	ac40	5190	Ant1	5189.88	-120000	-23.12	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	5189.96	-40000	-7.71	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	5229.88	-120000	-22.94	25	Pass
-20C 120V	ac40	5230	Ant1	5229.88	-120000	-22.94	25	Pass
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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	5229.92	-80000	-15.3	25	Pass
20C 102V	ac80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
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20C 138V	ac80	5210	Ant1	5209.94	-160000	-11.52	25	Pass
-20C 120V	ac80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
-10C 120V	ac80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
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10C 120V	ac80	5210	Ant1	5209.94	-160000	-11.52	25	Pass
30C 120V	ac80	5210	Ant1	5209.92	-80000	-15.36	25	Pass
40C 120V	ac80	5210	Ant1	5209.92	-80000	-15.36	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	5239.92	-80000	-15.27	25	Pass



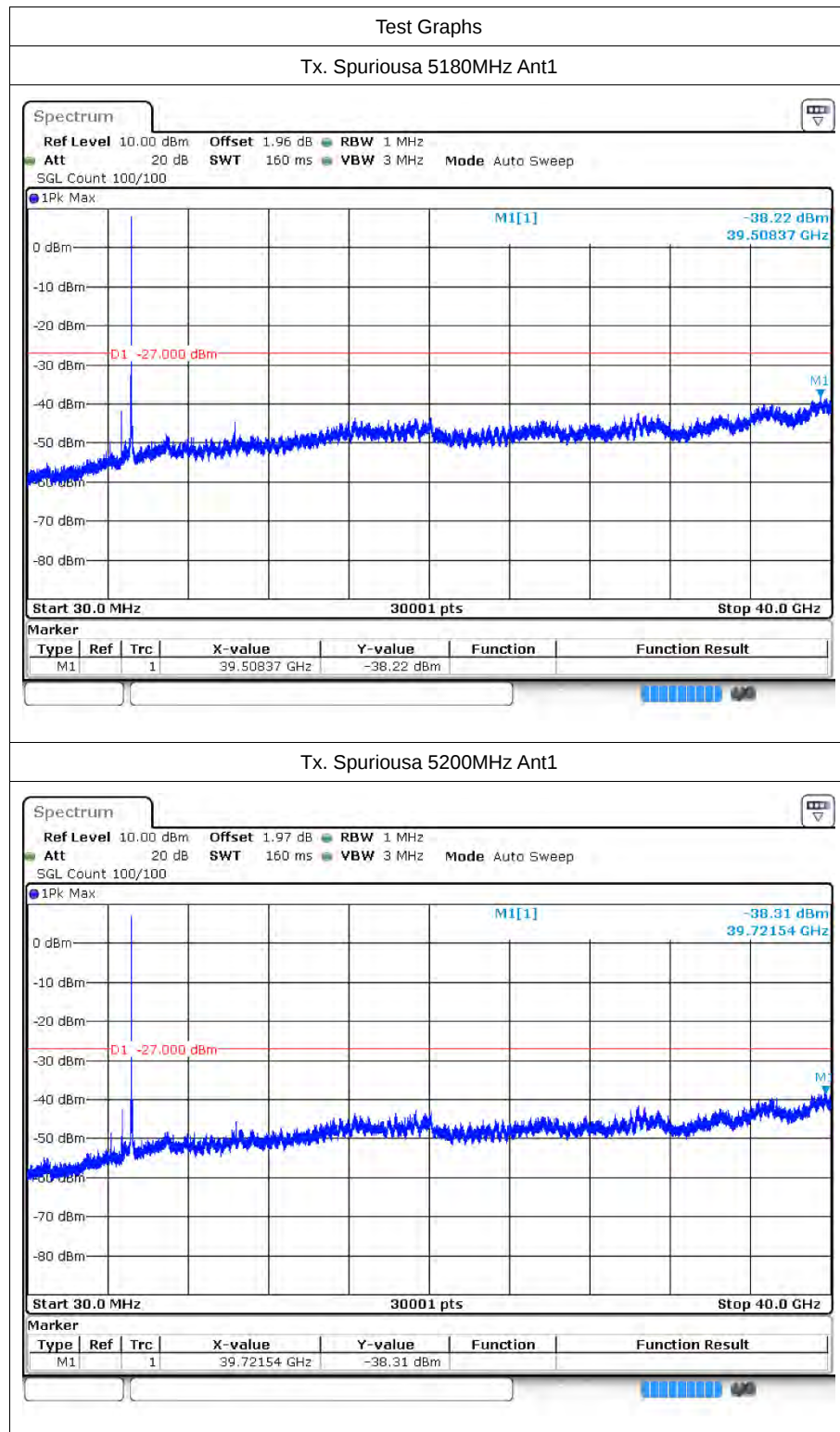
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10C 120V	ax20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
30C 120V	ax20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
40C 120V	ax20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
50C 120V	ax20	5240	Ant1	5239.9	-100000	-19.08	25	Pass
20C 102V	ax40	5190	Ant1	5189.92	-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

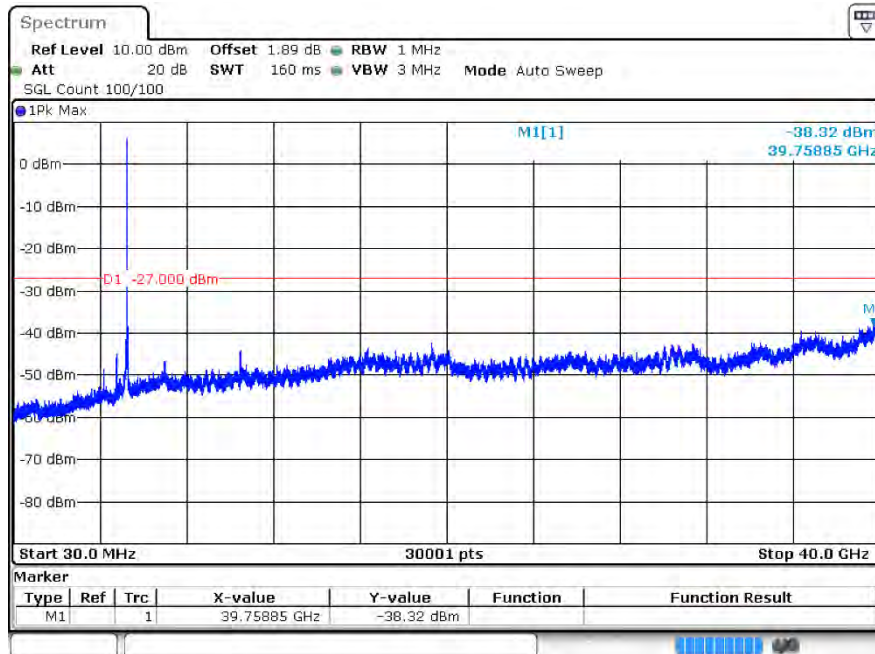
7.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
a	5180	Ant1	-38.21	-27	Pass
a	5200	Ant1	-38.3	-27	Pass
a	5240	Ant1	-38.31	-27	Pass
n20	5180	Ant1	-37.92	-27	Pass
n20	5200	Ant1	-38.03	-27	Pass
n20	5240	Ant1	-38.2	-27	Pass
n40	5190	Ant1	-37.3	-27	Pass
n40	5230	Ant1	-38	-27	Pass
ac20	5180	Ant1	-37.38	-27	Pass
ac20	5200	Ant1	-37.61	-27	Pass
ac20	5240	Ant1	-38.26	-27	Pass
ac40	5190	Ant1	-37.9	-27	Pass
ac40	5230	Ant1	-37.01	-27	Pass
ac80	5210	Ant1	-37.56	-27	Pass
ax20	5180	Ant1	-36.87	-27	Pass
ax20	5200	Ant1	-38.39	-27	Pass
ax20	5240	Ant1	-38.13	-27	Pass
ax40	5190	Ant1	-37.69	-27	Pass
ax40	5230	Ant1	-37.73	-27	Pass
ax80	5210	Ant1	-38.41	-27	Pass

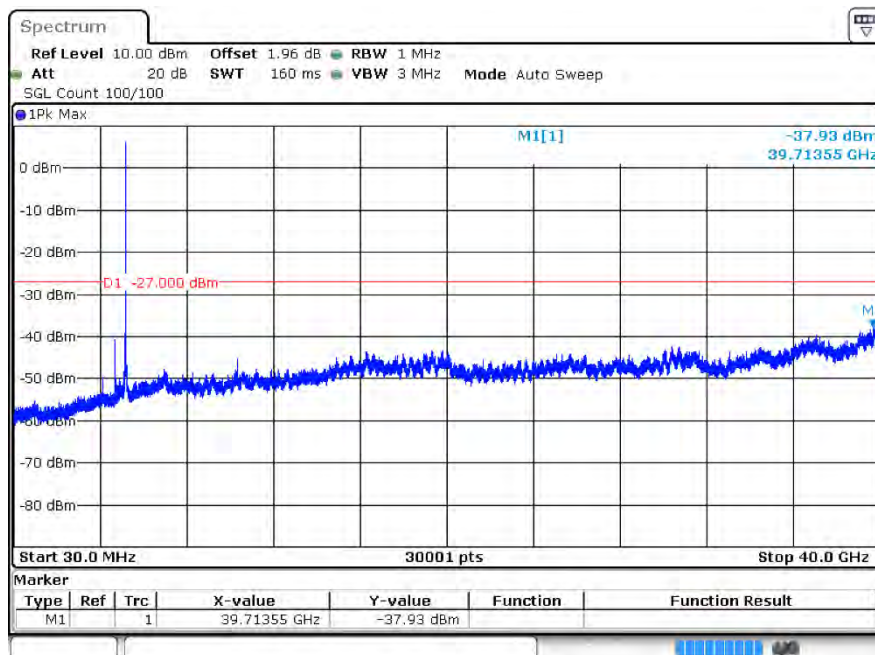
7.2 Test Graphs



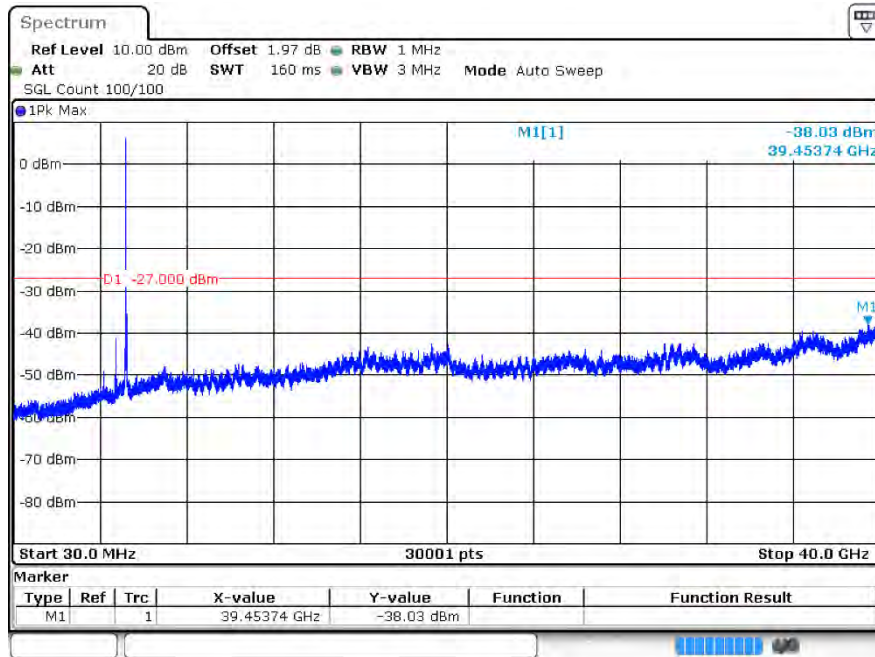
Tx. Spurious 5240MHz Ant1



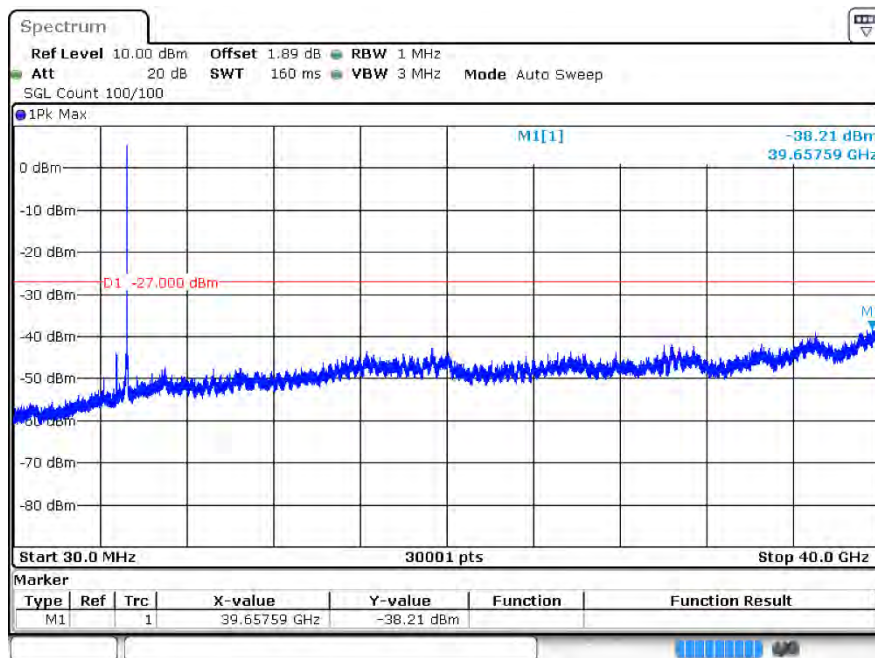
Tx. Spurious n20 5180MHz Ant1



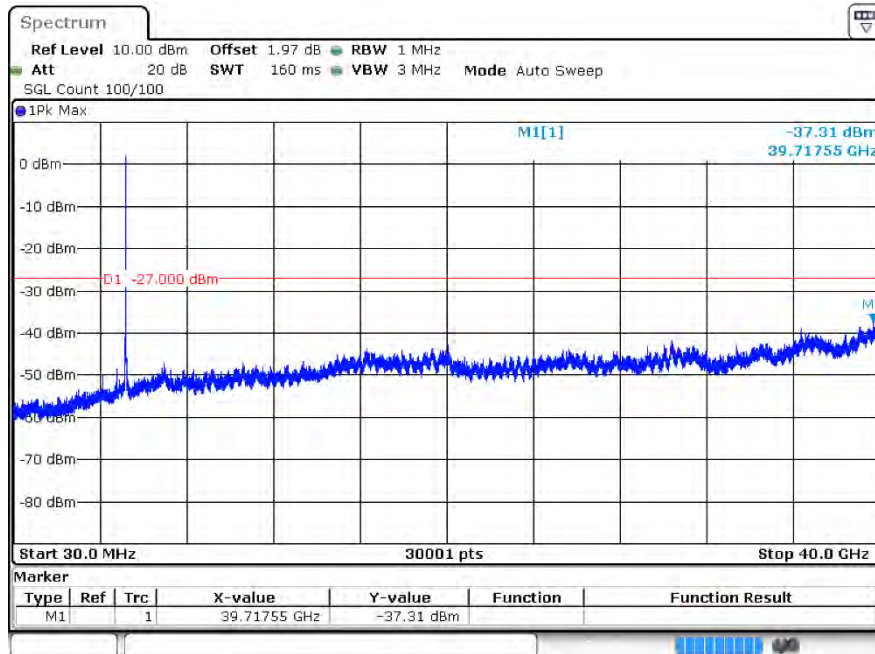
Tx. Spurious n20 5200MHz Ant1



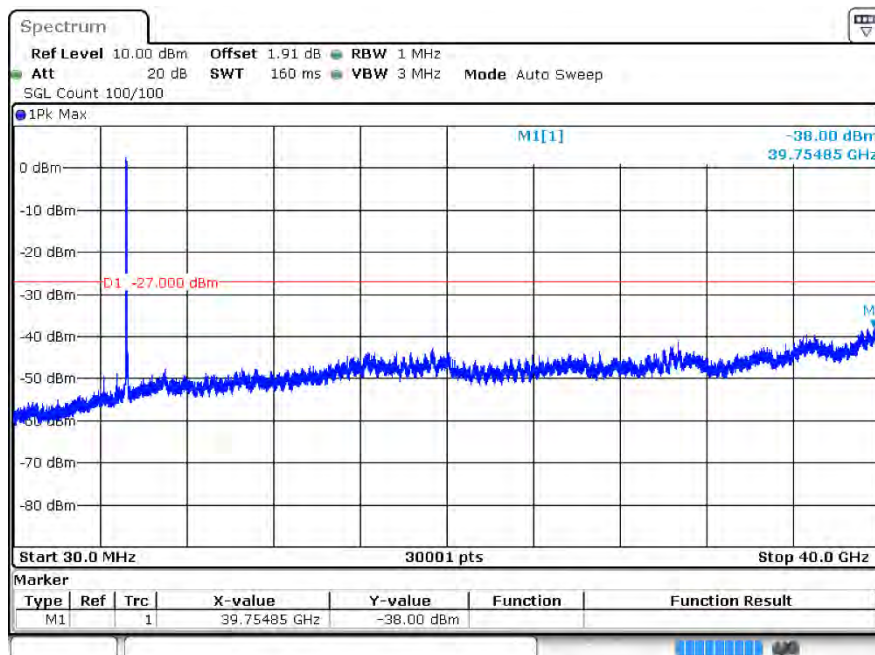
Tx. Spurious n20 5240MHz Ant1



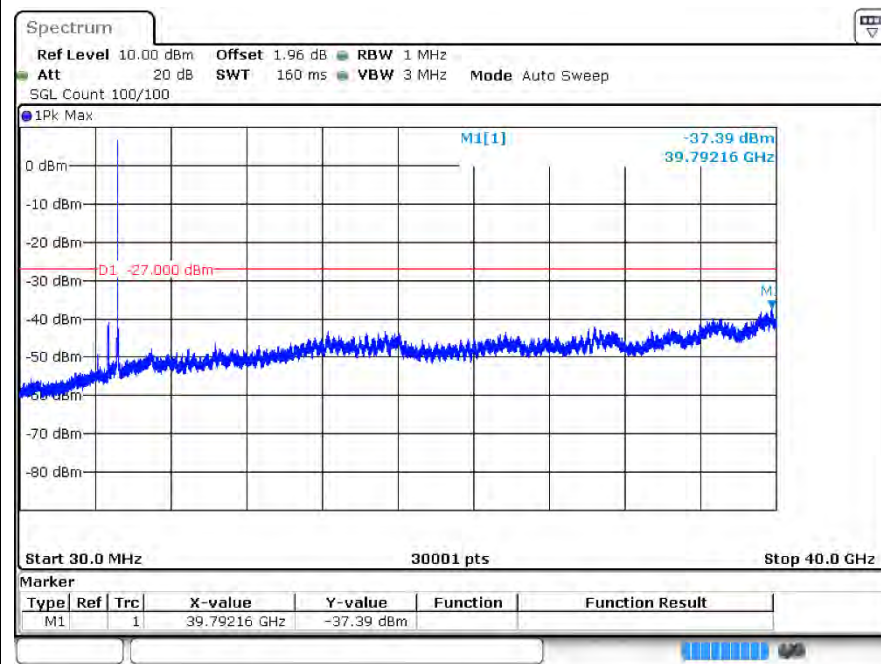
Tx. Spuriousn40 5190MHz Ant1



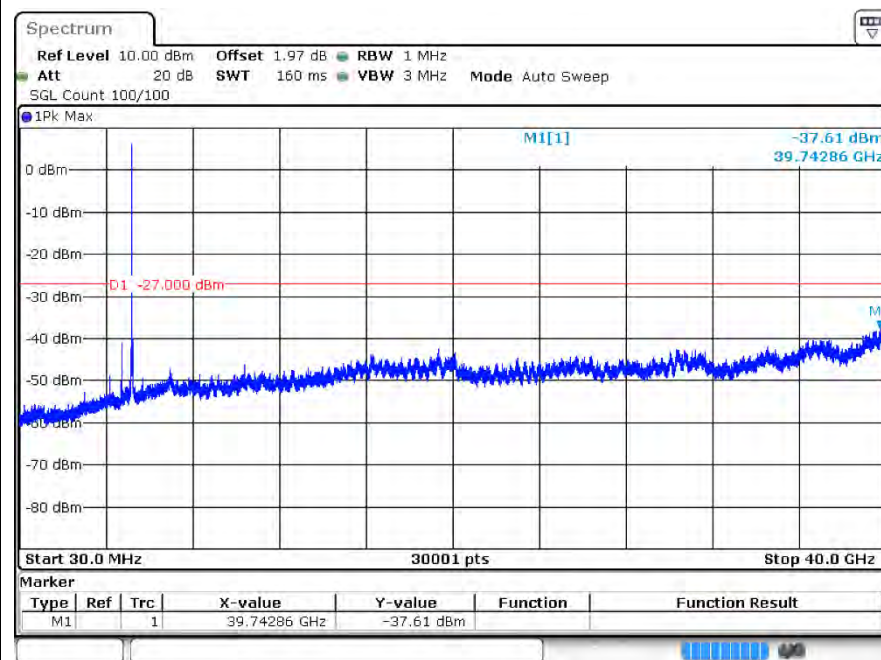
Tx. Spuriousn40 5230MHz Ant1



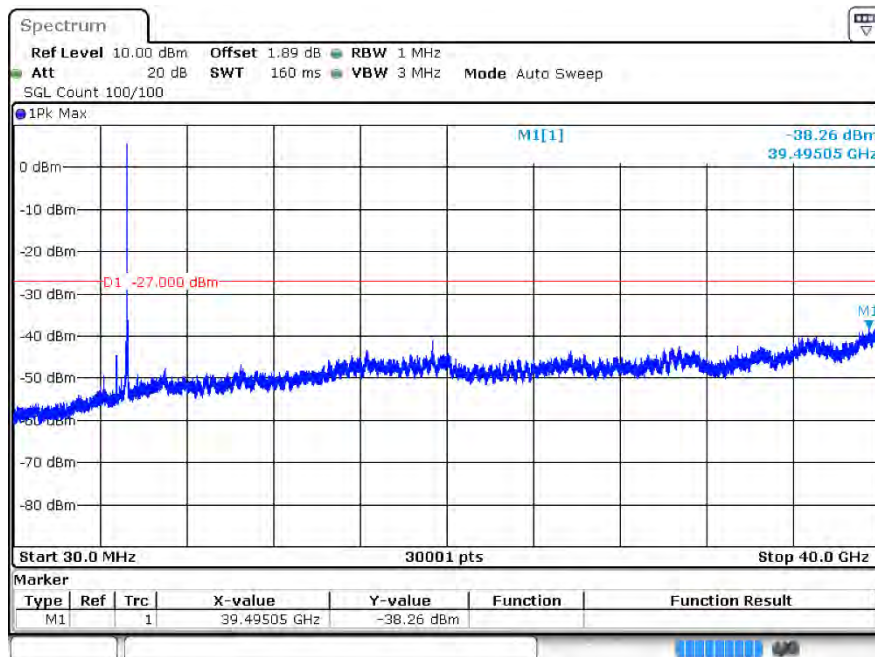
Tx. Spurious ac20 5180MHz Ant1



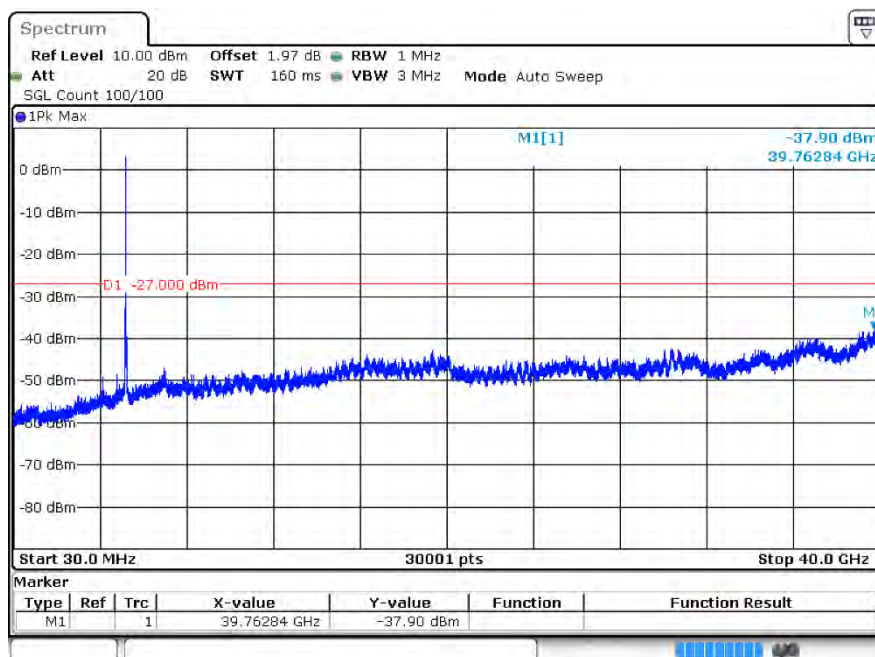
Tx. Spurious ac20 5200MHz Ant1



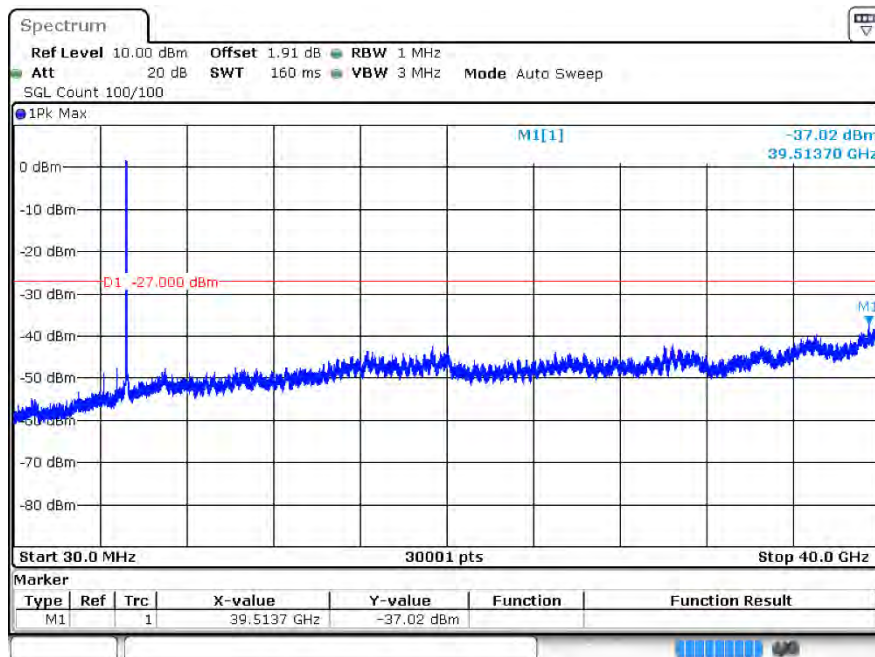
Tx. Spurious ac20 5240MHz Ant1



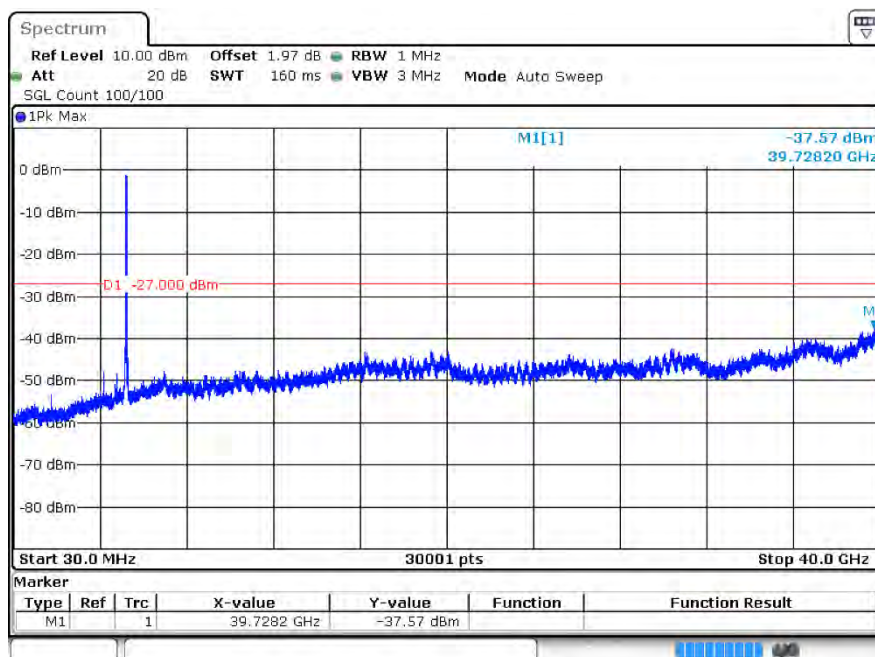
Tx. Spuriousac40 5190MHz Ant1



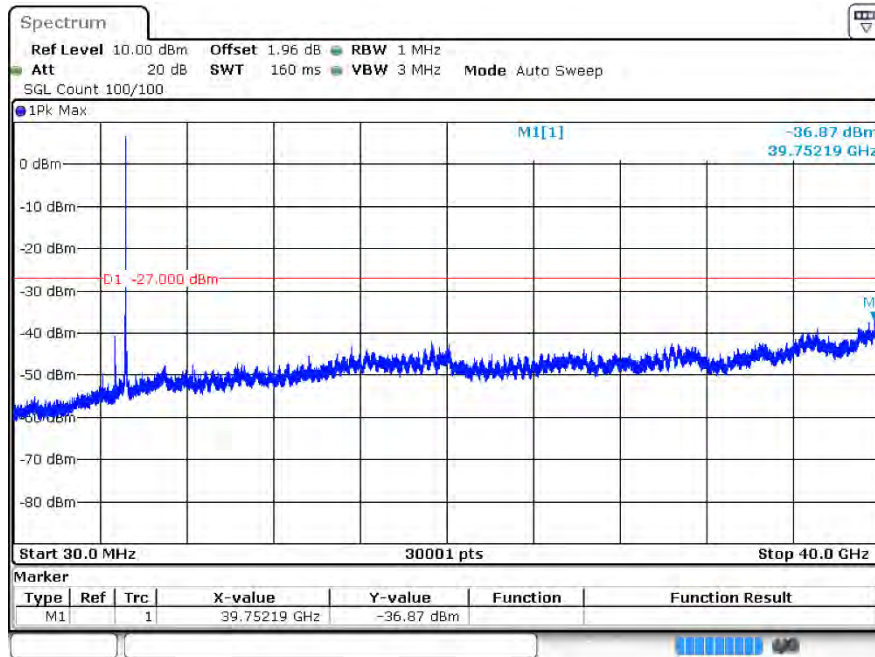
Tx. Spuriousac40 5230MHz Ant1



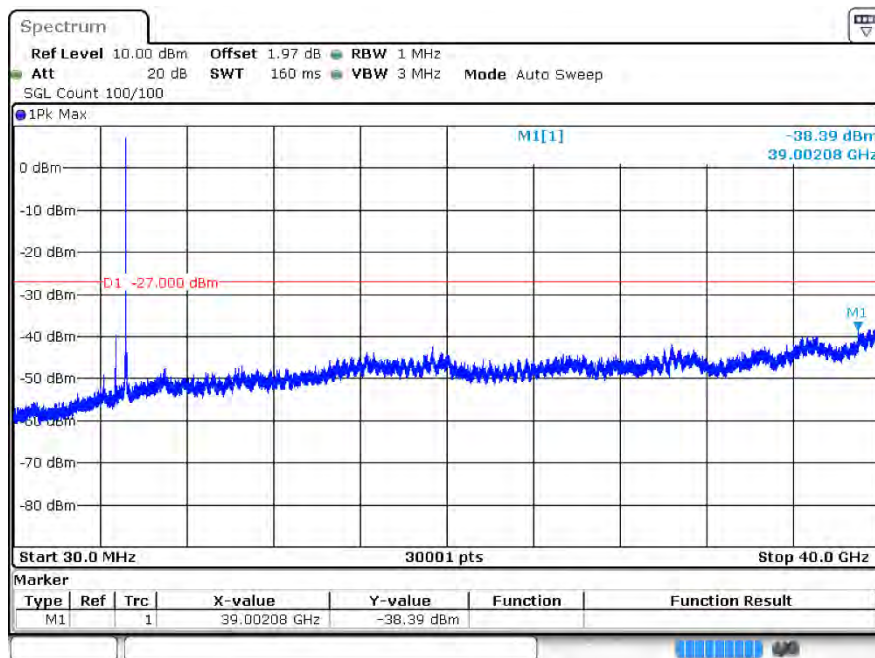
Tx. Spuriousac80 5210MHz Ant1



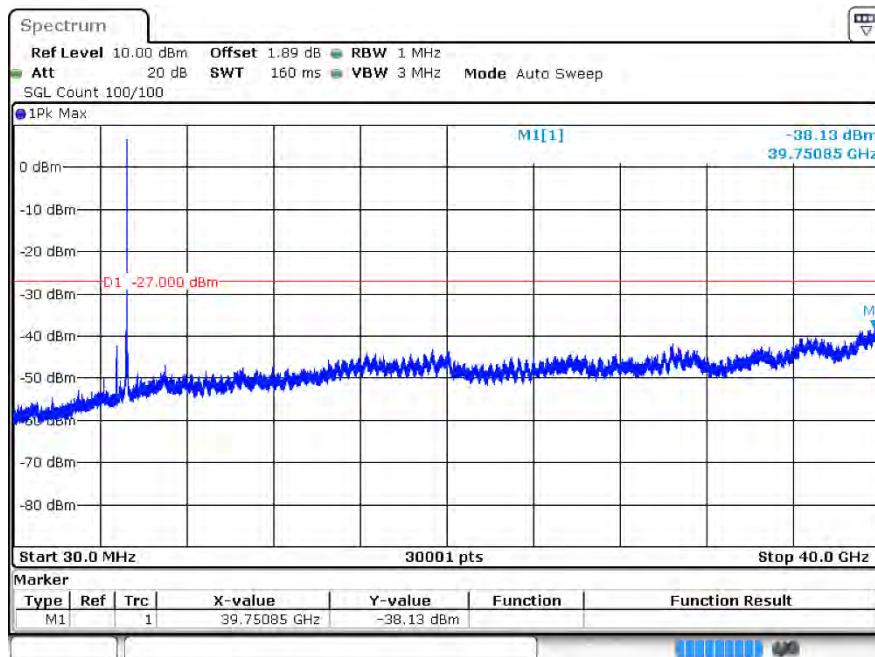
Tx. Spurious ax20 5180MHz Ant1



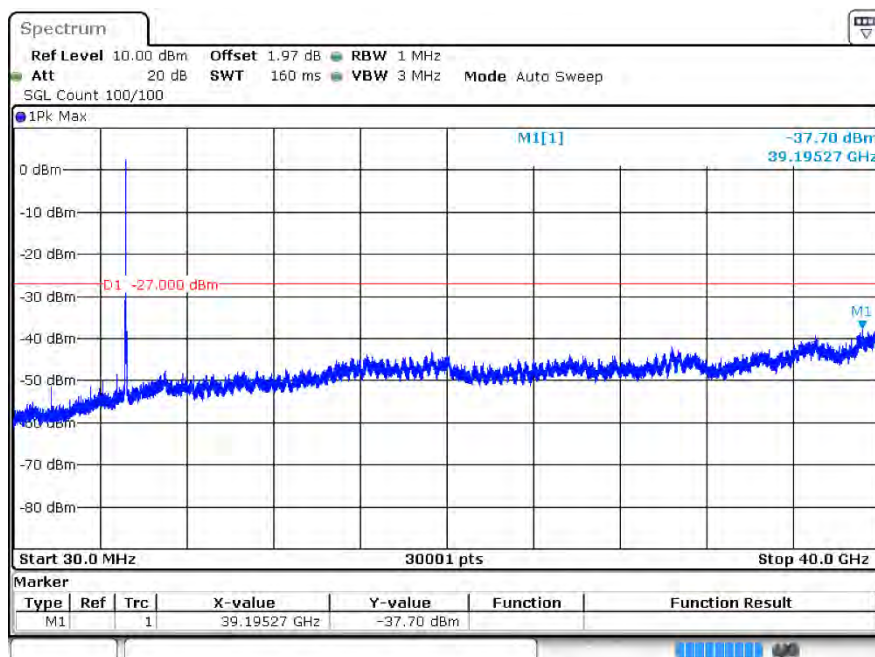
Tx. Spurious ax20 5200MHz Ant1



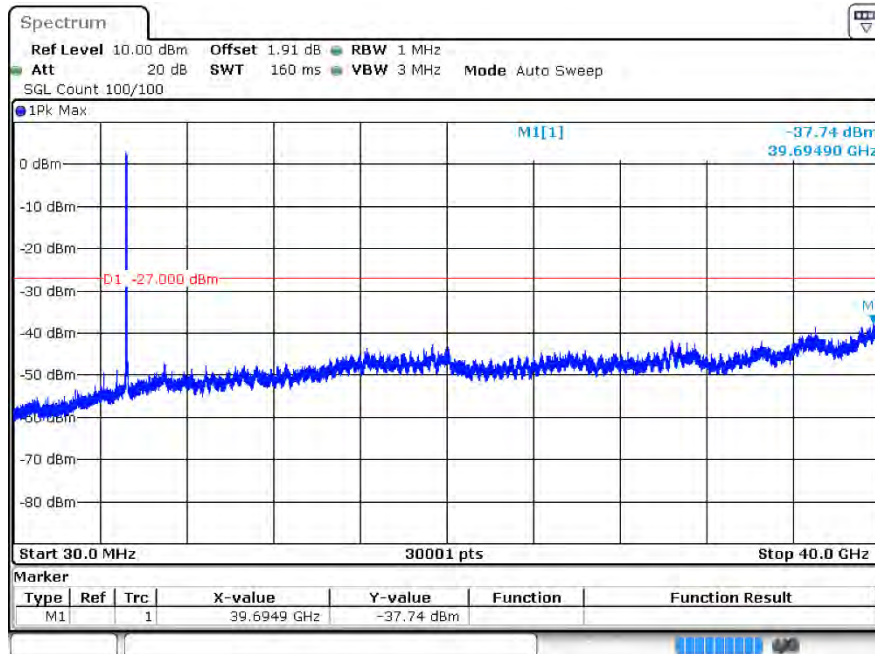
Tx. Spurious ax20 5240MHz Ant1



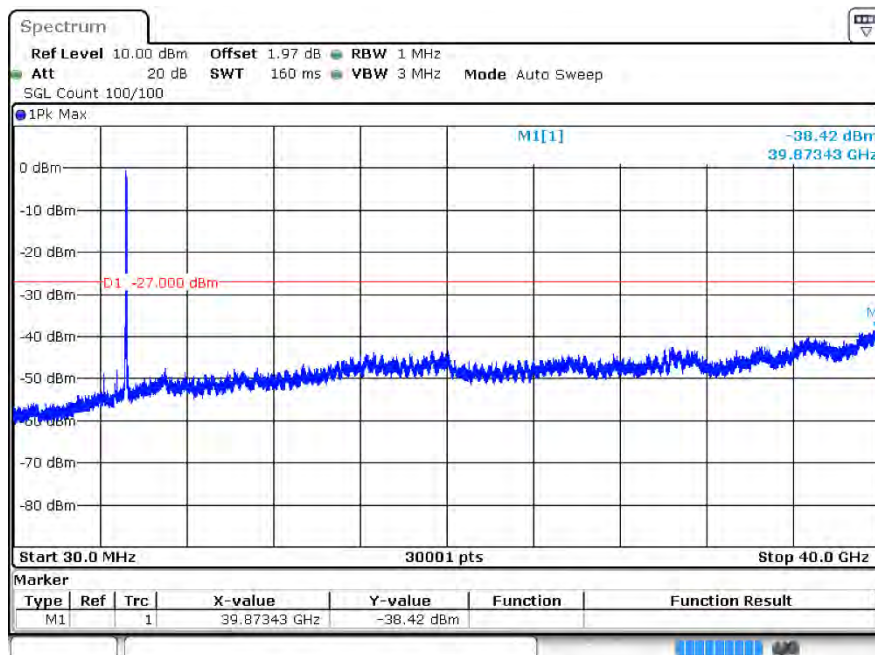
Tx. Spuriousax40 5190MHz Ant1



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	-45.64	2	51.59	Peak	68.2	Pass
a	5180	Ant1	4500	-56.72	2	40.51	Average	54	Pass
a	5180	Ant1	4707.9	-38.9	2	58.33	Peak	68.2	Pass
a	5180	Ant1	4707.2	-49.71	2	47.52	Average	54	Pass
a	5180	Ant1	5150	-43.98	2	53.25	Peak	68.2	Pass
a	5180	Ant1	5150	-54.67	2	42.56	Average	54	Pass
a	5240	Ant1	5350	-47.06	2	50.17	Peak	68.2	Pass
a	5240	Ant1	5350	-55.9	2	41.33	Average	54	Pass
a	5240	Ant1	5447.28	-42.51	2	54.72	Peak	68.2	Pass
a	5240	Ant1	5446.8	-53.81	2	43.42	Average	54	Pass
a	5240	Ant1	5460	-45.75	2	51.48	Peak	68.2	Pass
a	5240	Ant1	5460	-55.5	2	41.73	Average	54	Pass
n20	5180	Ant1	4500	-46.03	2	51.2	Peak	68.2	Pass
n20	5180	Ant1	4500	-56.71	2	40.52	Average	54	Pass
n20	5180	Ant1	4708.6	-40.24	2	56.99	Peak	68.2	Pass
n20	5180	Ant1	4707.9	-48.87	2	48.36	Average	54	Pass
n20	5180	Ant1	5150	-44.5	2	52.73	Peak	68.2	Pass
n20	5180	Ant1	5150	-54.99	2	42.24	Average	54	Pass
n20	5240	Ant1	5350	-47.08	2	50.15	Peak	68.2	Pass
n20	5240	Ant1	5350	-56.07	2	41.16	Average	54	Pass
n20	5240	Ant1	5429.28	-42.87	2	54.36	Peak	68.2	Pass
n20	5240	Ant1	5446.8	-53.62	2	43.61	Average	54	Pass
n20	5240	Ant1	5460	-46.65	2	50.58	Peak	68.2	Pass
n20	5240	Ant1	5460	-55.39	2	41.84	Average	54	Pass
n40	5190	Ant1	4500	-46.38	2	50.85	Peak	68.2	Pass
n40	5190	Ant1	4500	-56.68	2	40.55	Average	54	Pass
n40	5190	Ant1	5146.05	-42.4	2	54.83	Peak	68.2	Pass
n40	5190	Ant1	4800.03	-52.02	2	45.21	Average	54	Pass
n40	5190	Ant1	5150	-45.65	2	51.58	Peak	68.2	Pass
n40	5190	Ant1	5150	-54.65	2	42.58	Average	54	Pass
n40	5230	Ant1	5350	-46.9	2	50.33	Peak	68.2	Pass
n40	5230	Ant1	5350	-55.96	2	41.27	Average	54	Pass
n40	5230	Ant1	5451.63	-43.59	2	53.64	Peak	68.2	Pass
n40	5230	Ant1	5447.85	-53.65	2	43.58	Average	54	Pass
n40	5230	Ant1	5460	-46.56	2	50.67	Peak	68.2	Pass
n40	5230	Ant1	5460	-55.2	2	42.03	Average	54	Pass

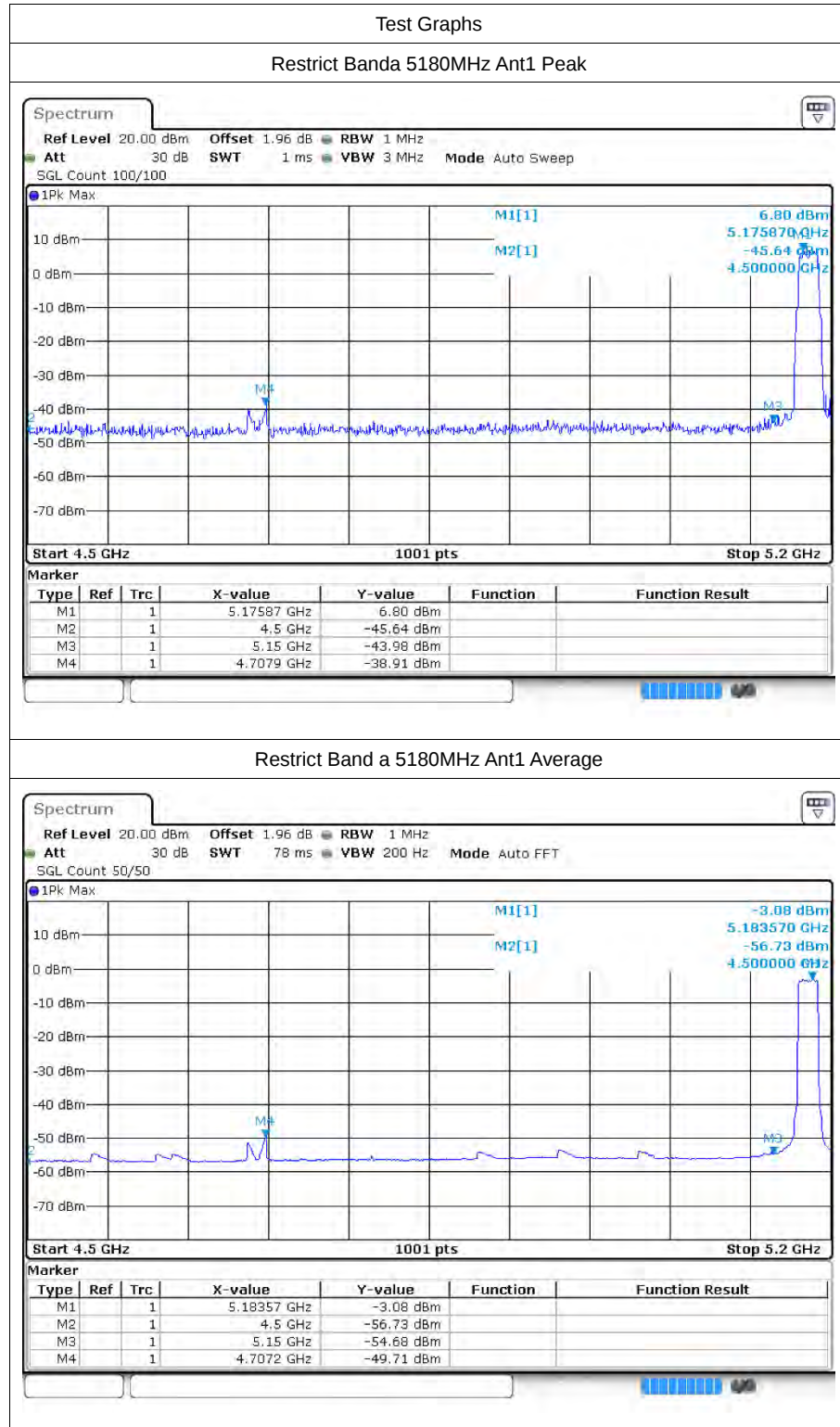


ac20	5180	Ant1	4500	-46.41	2	50.82	Peak	68.2	Pass
ac20	5180	Ant1	4500	-56.61	2	40.62	Average	54	Pass
ac20	5180	Ant1	4707.2	-39.76	2	57.47	Peak	68.2	Pass
ac20	5180	Ant1	4707.9	-48.7	2	48.53	Average	54	Pass
ac20	5180	Ant1	5150	-44.63	2	52.6	Peak	68.2	Pass
ac20	5180	Ant1	5150	-54.99	2	42.24	Average	54	Pass
ac20	5240	Ant1	5350	-45.97	2	51.26	Peak	68.2	Pass
ac20	5240	Ant1	5350	-56.03	2	41.2	Average	54	Pass
ac20	5240	Ant1	5449.92	-43.18	2	54.05	Peak	68.2	Pass
ac20	5240	Ant1	5446.8	-53.64	2	43.59	Average	54	Pass
ac20	5240	Ant1	5460	-45.23	2	52	Peak	68.2	Pass
ac20	5240	Ant1	5460	-55.39	2	41.84	Average	54	Pass
ac40	5190	Ant1	4500	-45.89	2	51.34	Peak	68.2	Pass
ac40	5190	Ant1	4500	-56.6	2	40.63	Average	54	Pass
ac40	5190	Ant1	5141.67	-42.57	2	54.66	Peak	68.2	Pass
ac40	5190	Ant1	4800.03	-51.93	2	45.3	Average	54	Pass
ac40	5190	Ant1	5150	-44.4	2	52.83	Peak	68.2	Pass
ac40	5190	Ant1	5150	-54.64	2	42.59	Average	54	Pass
ac40	5230	Ant1	5350	-46.35	2	50.88	Peak	68.2	Pass
ac40	5230	Ant1	5350	-55.97	2	41.26	Average	54	Pass
ac40	5230	Ant1	5382.51	-43.16	2	54.07	Peak	68.2	Pass
ac40	5230	Ant1	5447.85	-53.5	2	43.73	Average	54	Pass
ac40	5230	Ant1	5460	-46.85	2	50.38	Peak	68.2	Pass
ac40	5230	Ant1	5460	-55.06	2	42.17	Average	54	Pass
ac80	5210	Ant1	4500	-46.47	2	50.76	Peak	68.2	Pass
ac80	5210	Ant1	4500	-56.71	2	40.52	Average	54	Pass
ac80	5210	Ant1	5144.64	-39.98	2	57.25	Peak	68.2	Pass
ac80	5210	Ant1	4800.2	-51.87	2	45.36	Average	54	Pass
ac80	5210	Ant1	5150	-46.01	2	51.22	Peak	68.2	Pass
ac80	5210	Ant1	5150	-54.52	2	42.71	Average	54	Pass
ax20	5180	Ant1	4500	-46.86	2	50.37	Peak	68.2	Pass
ax20	5180	Ant1	4500	-56.68	2	40.55	Average	54	Pass
ax20	5180	Ant1	4707.9	-39.87	2	57.36	Peak	68.2	Pass
ax20	5180	Ant1	4708.6	-49.75	2	47.48	Average	54	Pass
ax20	5180	Ant1	5150	-44.48	2	52.75	Peak	68.2	Pass
ax20	5180	Ant1	5150	-54.52	2	42.71	Average	54	Pass
ax20	5240	Ant1	5350	-45.19	2	52.04	Peak	68.2	Pass
ax20	5240	Ant1	5350	-55.95	2	41.28	Average	54	Pass
ax20	5240	Ant1	5453.04	-42.55	2	54.68	Peak	68.2	Pass
ax20	5240	Ant1	5446.8	-53.69	2	43.54	Average	54	Pass
ax20	5240	Ant1	5460	-46.21	2	51.02	Peak	68.2	Pass
ax20	5240	Ant1	5460	-55.4	2	41.83	Average	54	Pass
ax40	5190	Ant1	4500	-47.33	2	49.9	Peak	68.2	Pass

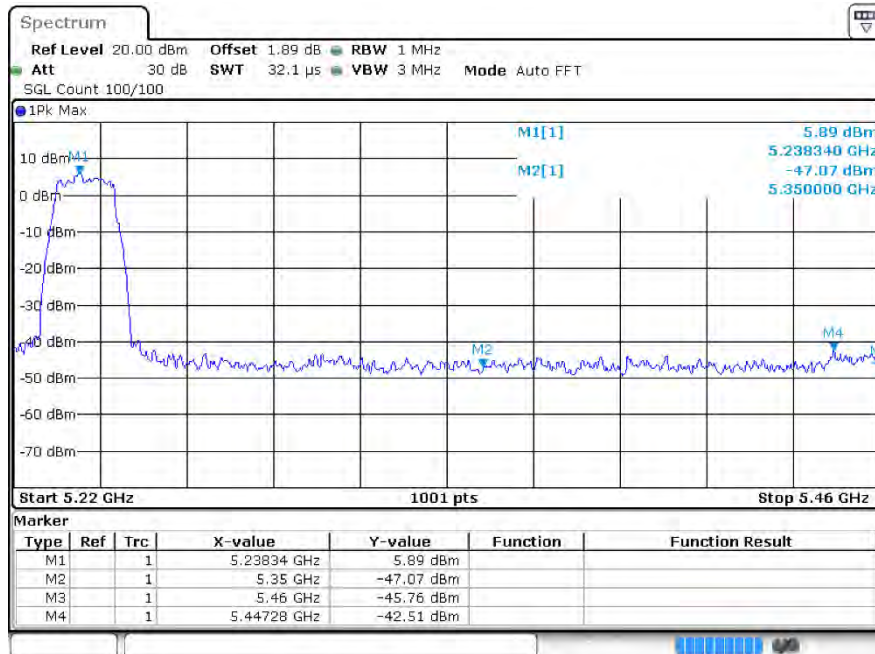


ax40	5190	Ant1	4500	-56.7	2	40.53	Average	54	Pass
ax40	5190	Ant1	5113.93	-42.32	2	54.91	Peak	68.2	Pass
ax40	5190	Ant1	4800.03	-51.8	2	45.43	Average	54	Pass
ax40	5190	Ant1	5150	-45.32	2	51.91	Peak	68.2	Pass
ax40	5190	Ant1	5150	-55.1	2	42.13	Average	54	Pass
ax40	5230	Ant1	5350	-48.03	2	49.2	Peak	68.2	Pass
ax40	5230	Ant1	5350	-55.97	2	41.26	Average	54	Pass
ax40	5230	Ant1	5447.31	-42.73	2	54.5	Peak	68.2	Pass
ax40	5230	Ant1	5447.58	-53.66	2	43.57	Average	54	Pass
ax40	5230	Ant1	5460	-45.94	2	51.29	Peak	68.2	Pass
ax40	5230	Ant1	5460	-55.27	2	41.96	Average	54	Pass
ax80	5210	Ant1	4500	-47.68	2	49.55	Peak	68.2	Pass
ax80	5210	Ant1	4500	-56.58	2	40.65	Average	54	Pass
ax80	5210	Ant1	5037.99	-43.06	2	54.17	Peak	68.2	Pass
ax80	5210	Ant1	4800.2	-51.65	2	45.58	Average	54	Pass
ax80	5210	Ant1	5150	-45.13	2	52.1	Peak	68.2	Pass
ax80	5210	Ant1	5150	-54.92	2	42.31	Average	54	Pass

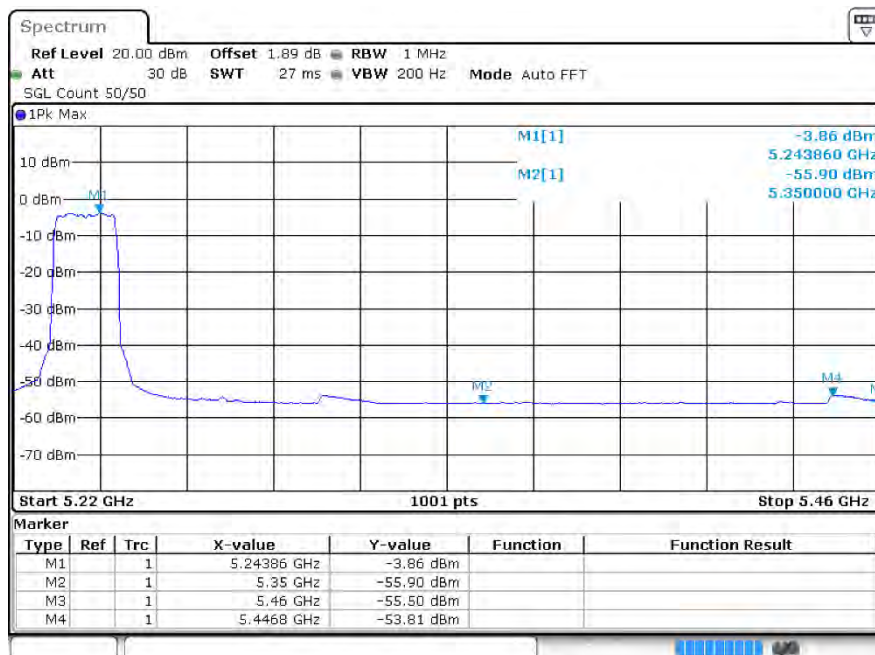
8.2 Test Graphs



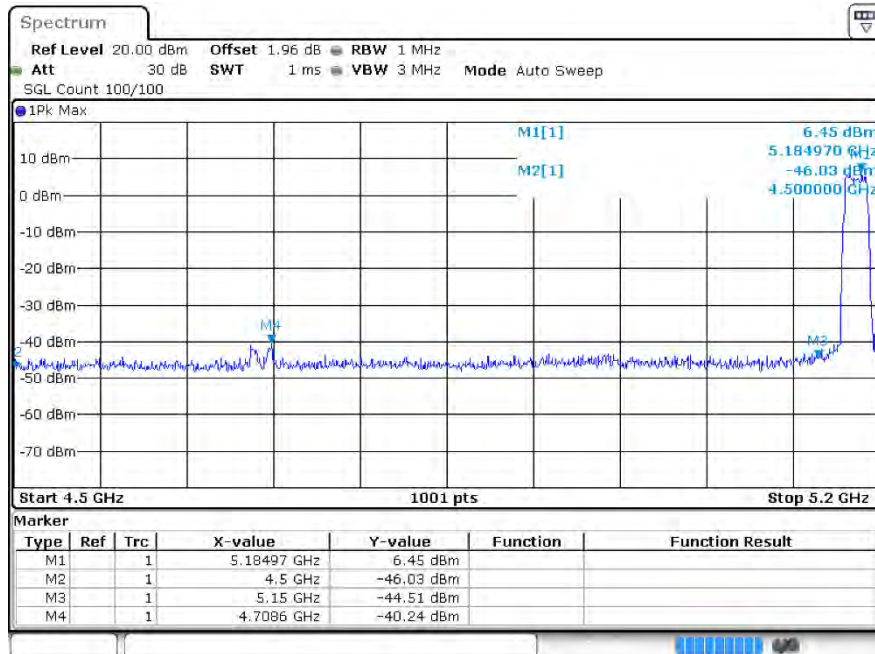
Restrict Banda 5240MHz Ant1 Peak



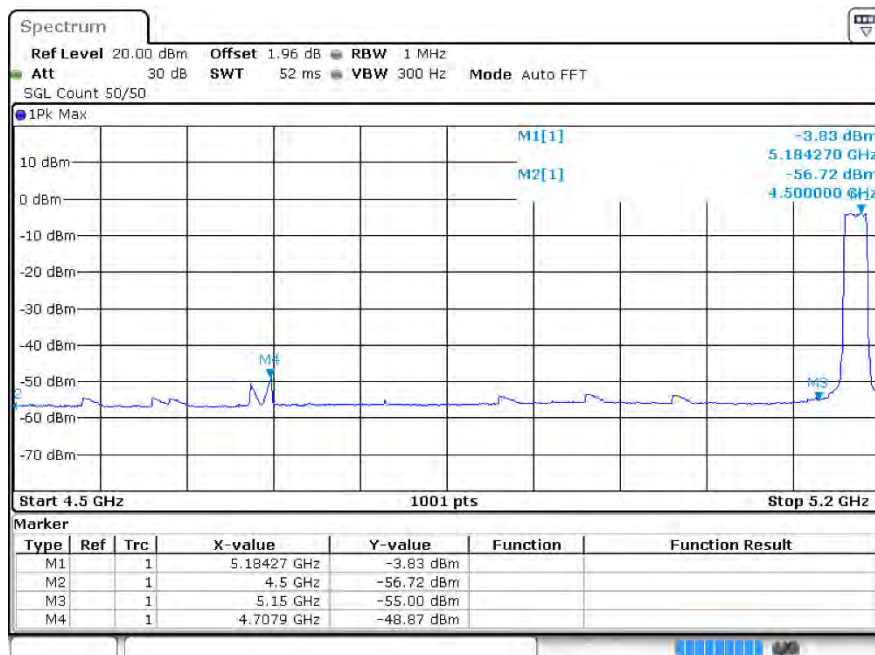
Restrict Band a 5240MHz Ant1 Average



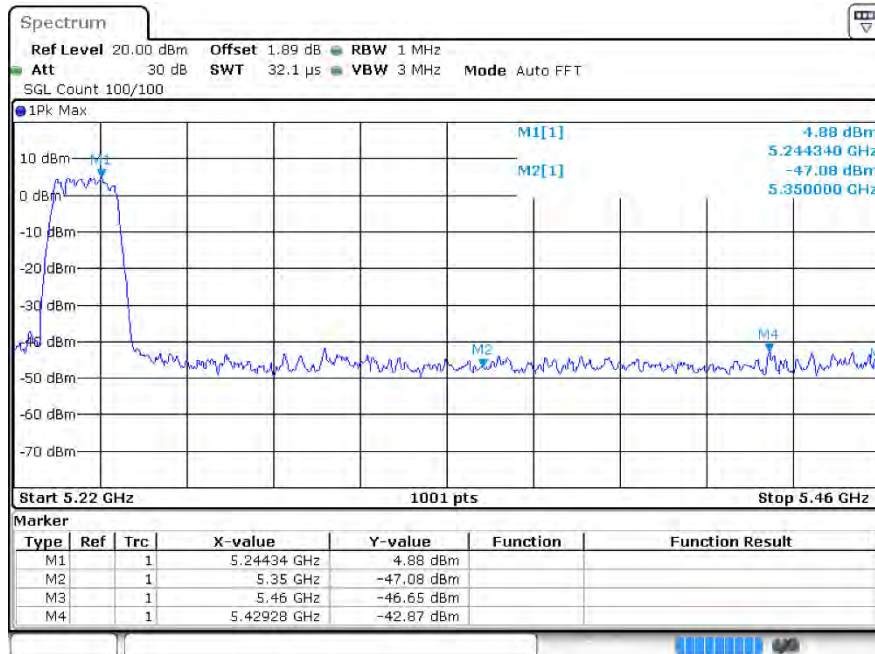
Restrict Bandn20 5180MHz Ant1 Peak



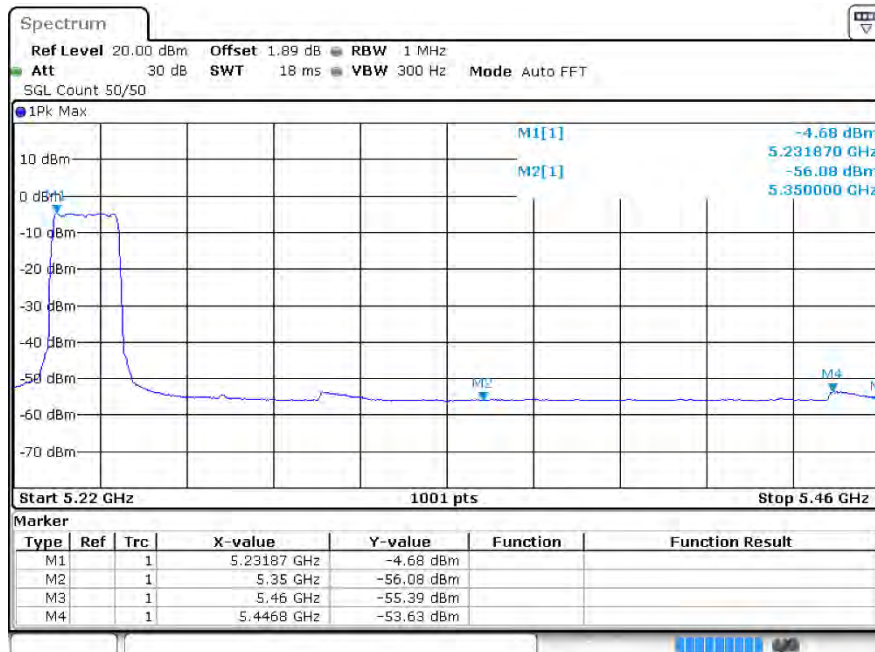
Restrict Band n20 5180MHz Ant1 Average



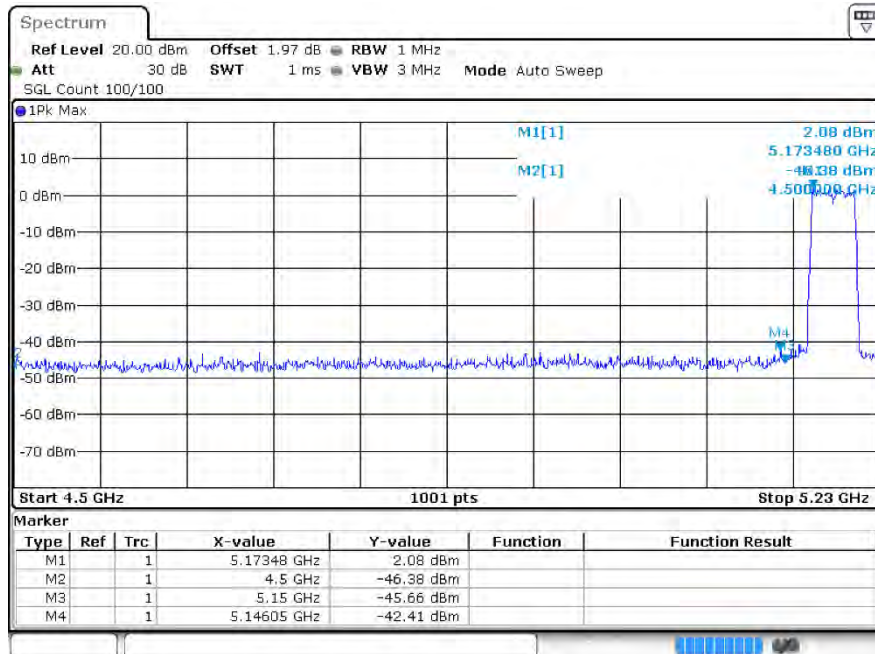
Restrict Bandn20 5240MHz Ant1 Peak



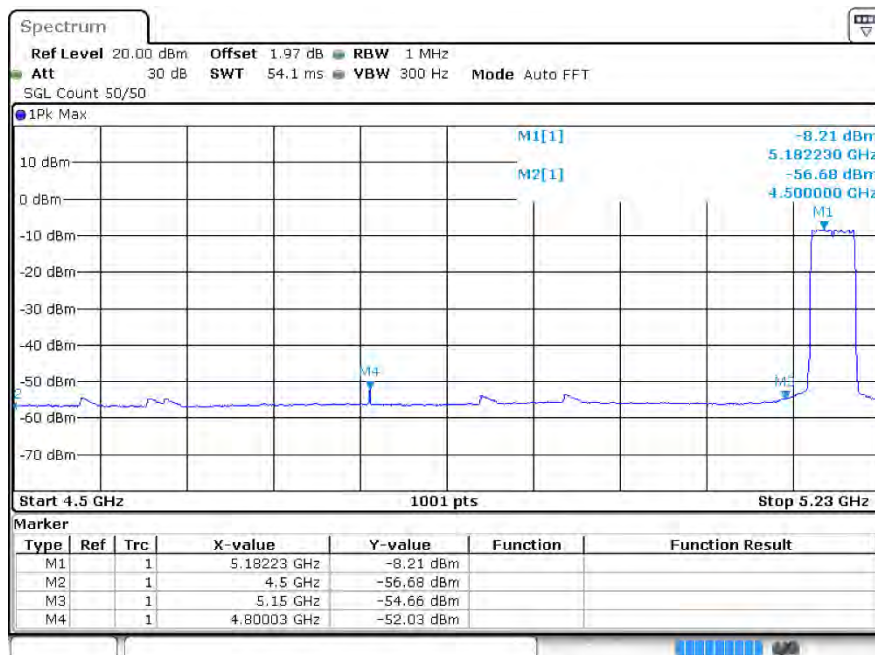
Restrict Band n20 5240MHz Ant1 Average



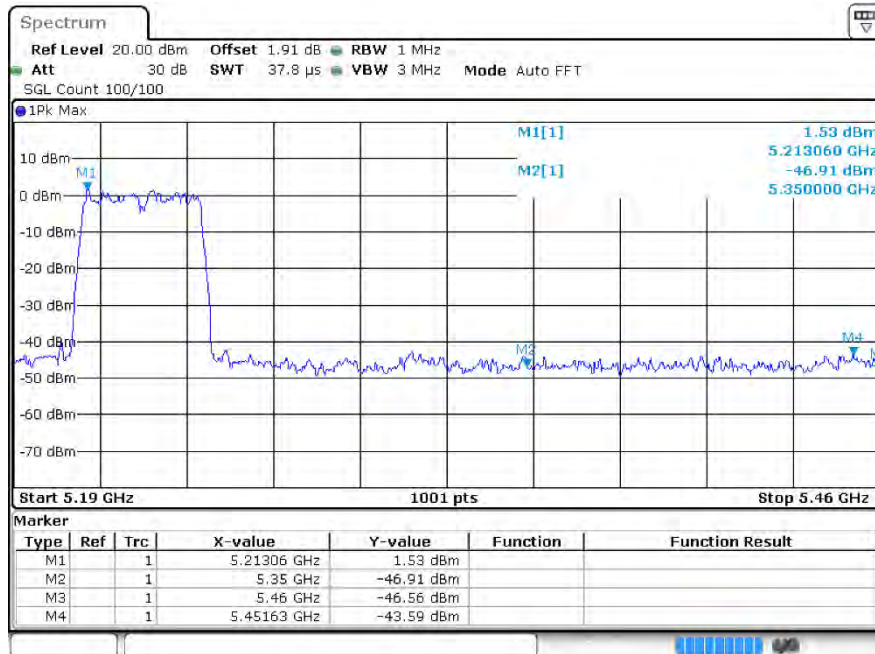
Restrict Band n40 5190MHz Ant1 Peak



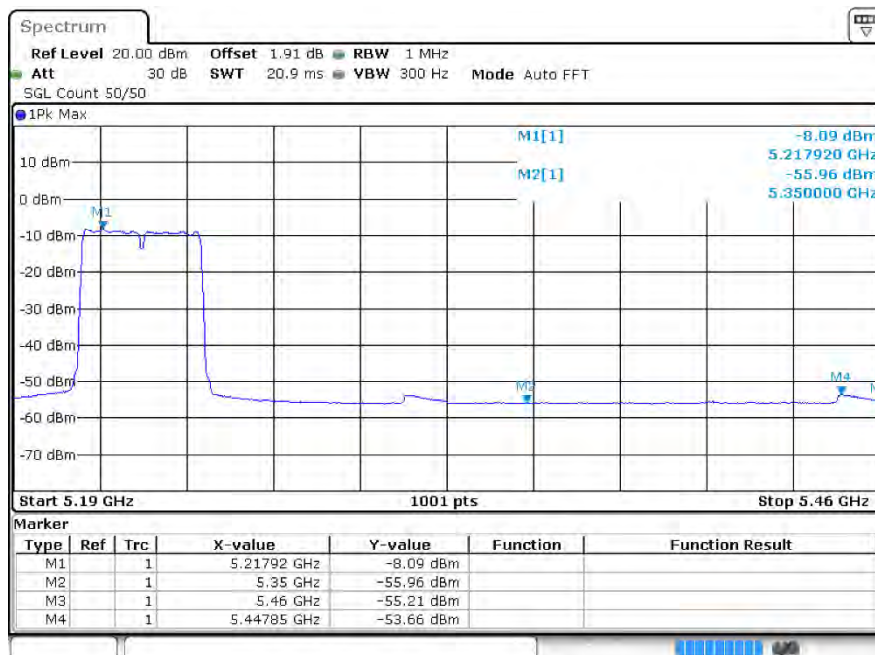
Restrict Band n40 5190MHz Ant1 Average



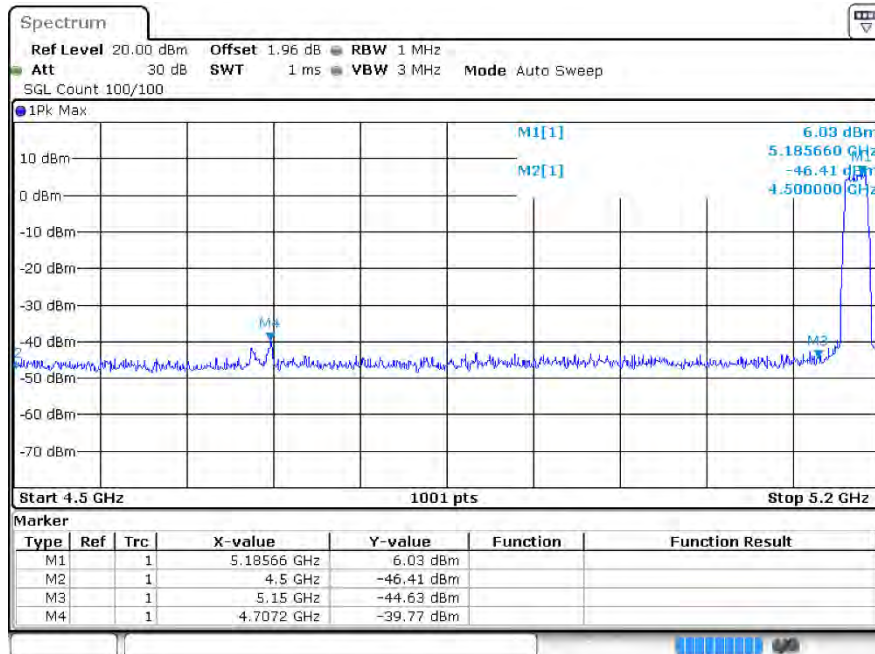
Restrict Bandn40 5230MHz Ant1 Peak



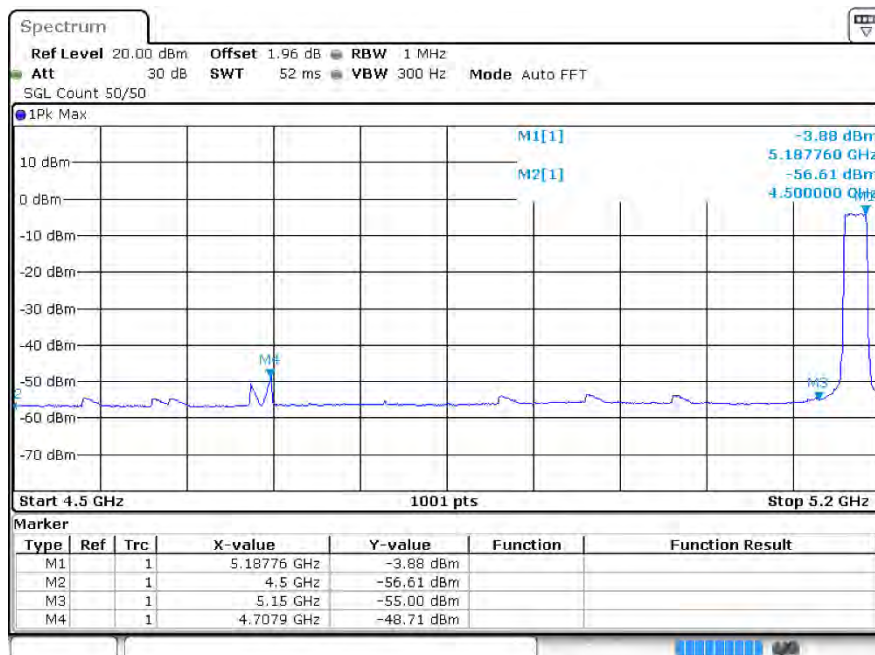
Restrict Band n40 5230MHz Ant1 Average



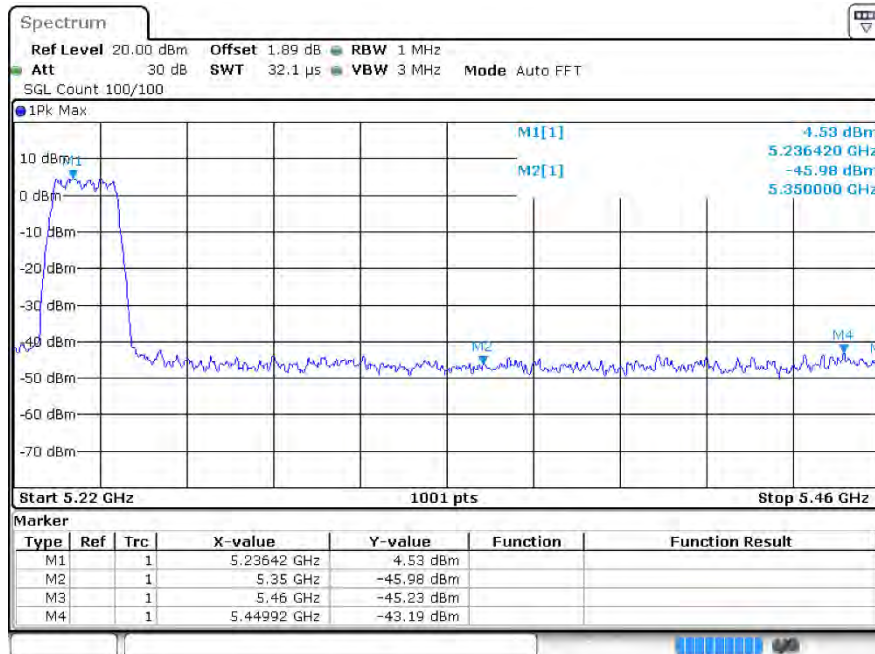
Restrict Bandac20 5180MHz Ant1 Peak



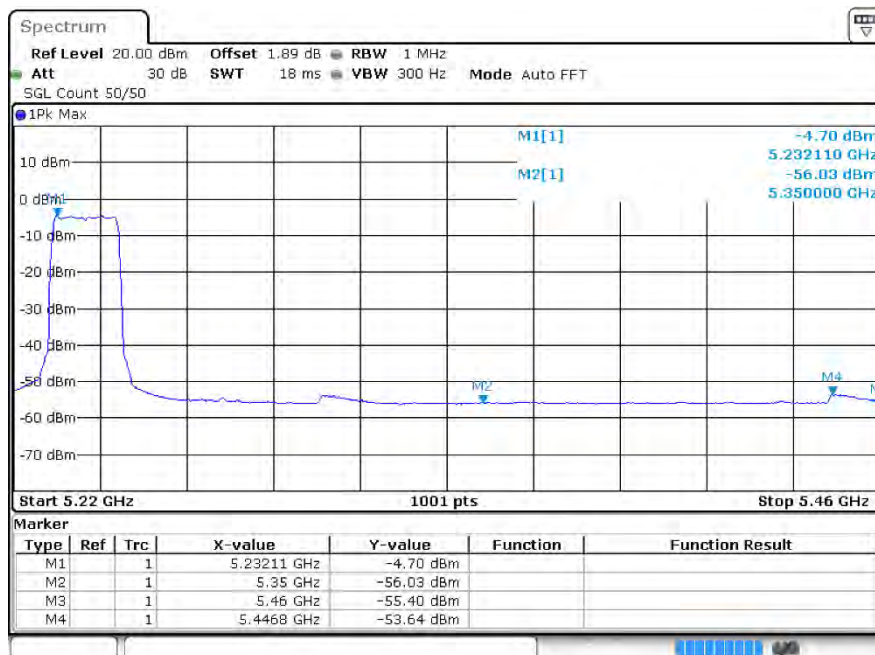
Restrict Band ac20 5180MHz Ant1 Average



Restrict Bandac20 5240MHz Ant1 Peak

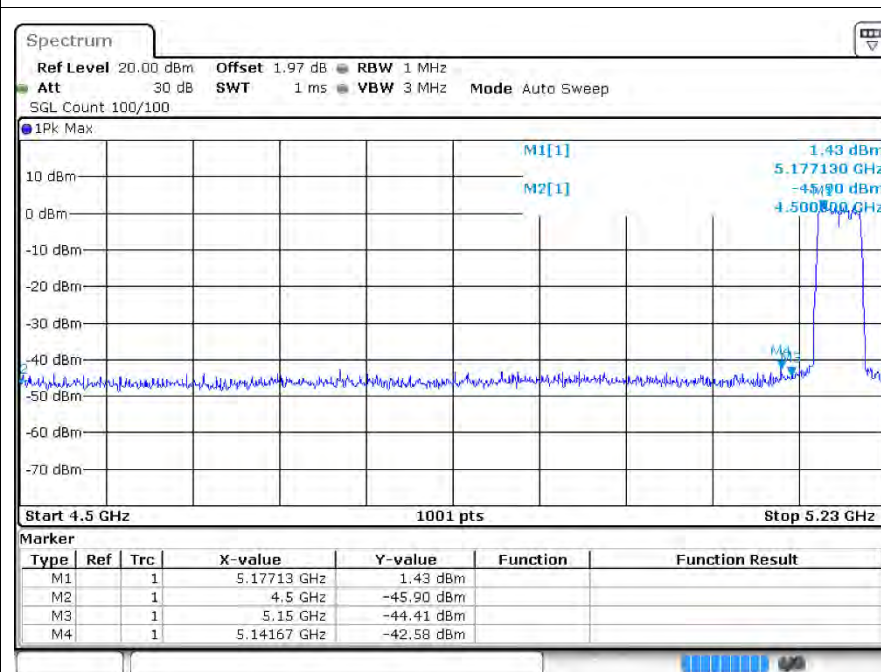


Restrict Band ac20 5240MHz Ant1 Average

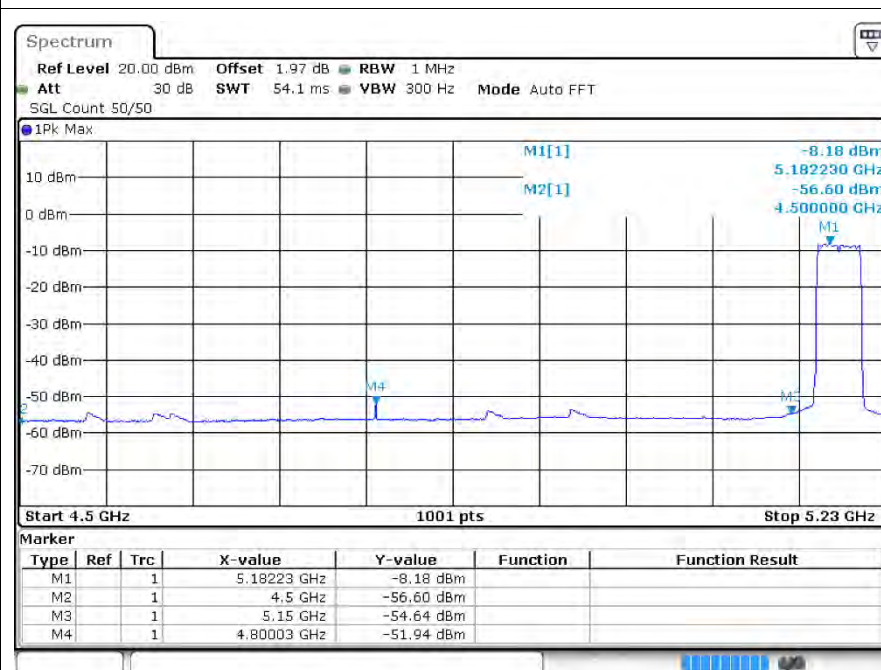




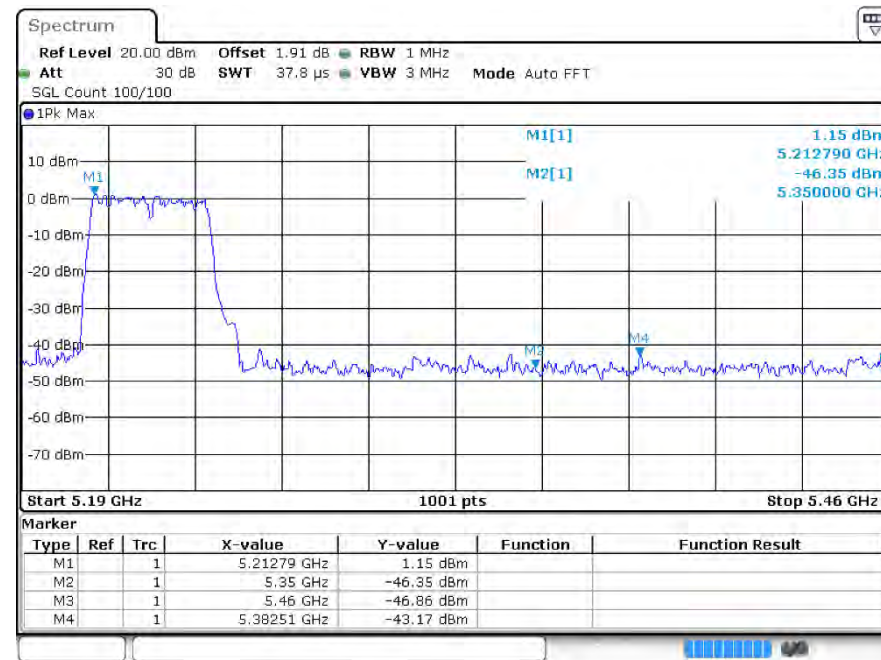
Restrict Bandac40 5190MHz Ant1 Peak



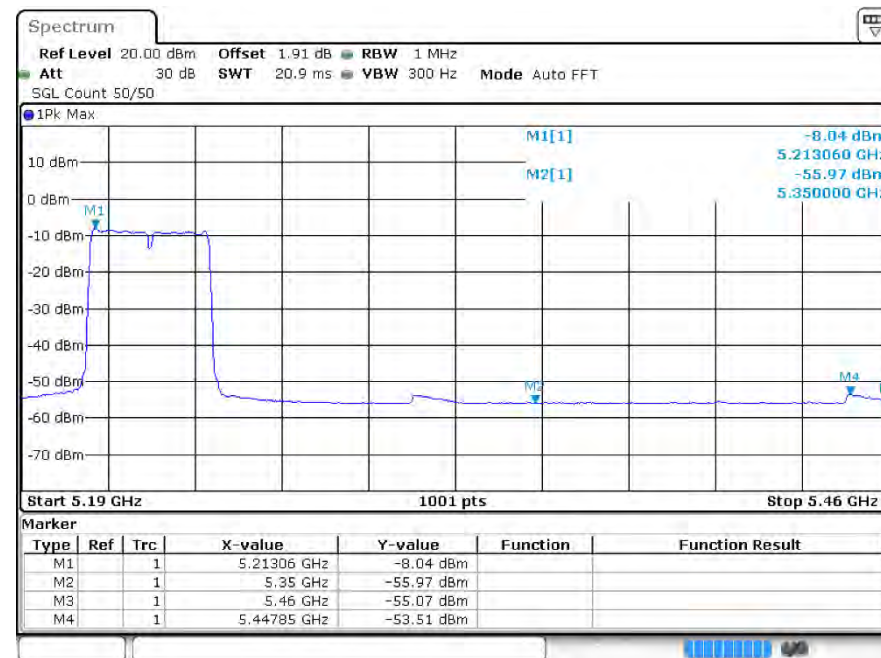
Restrict Band ac40 5190MHz Ant1 Average



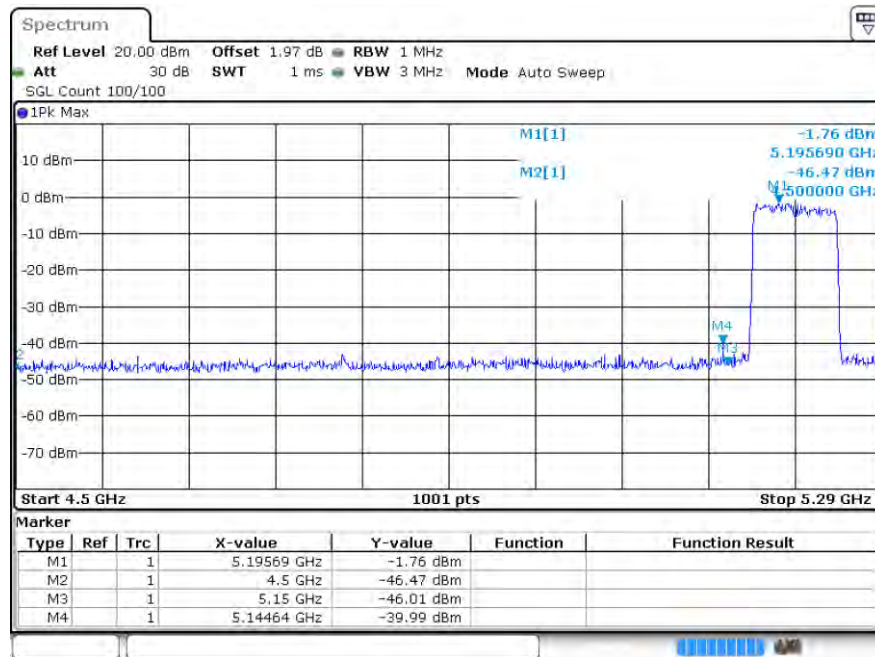
Restrict Bandac40 5230MHz Ant1 Peak



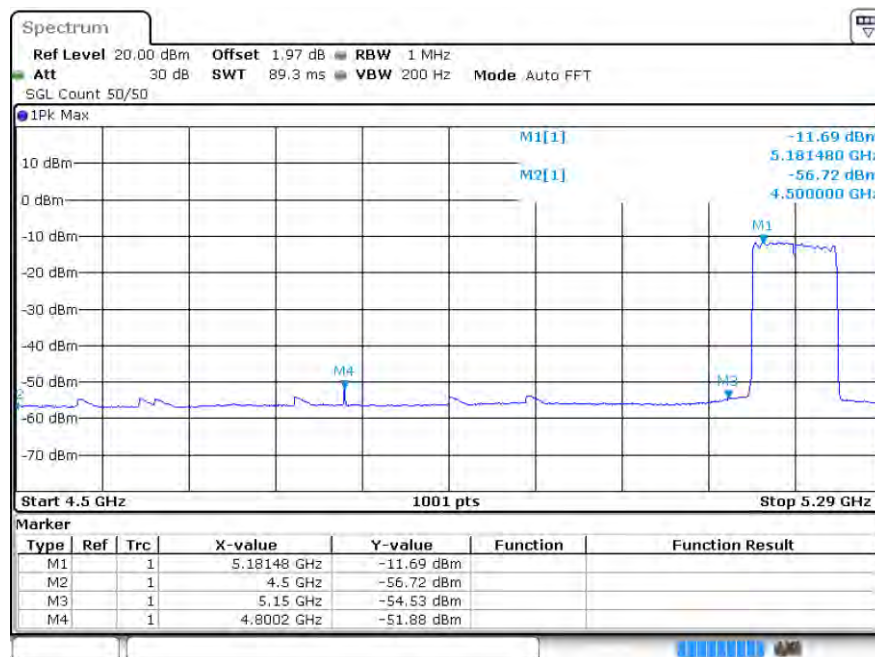
Restrict Band ac40 5230MHz Ant1 Average

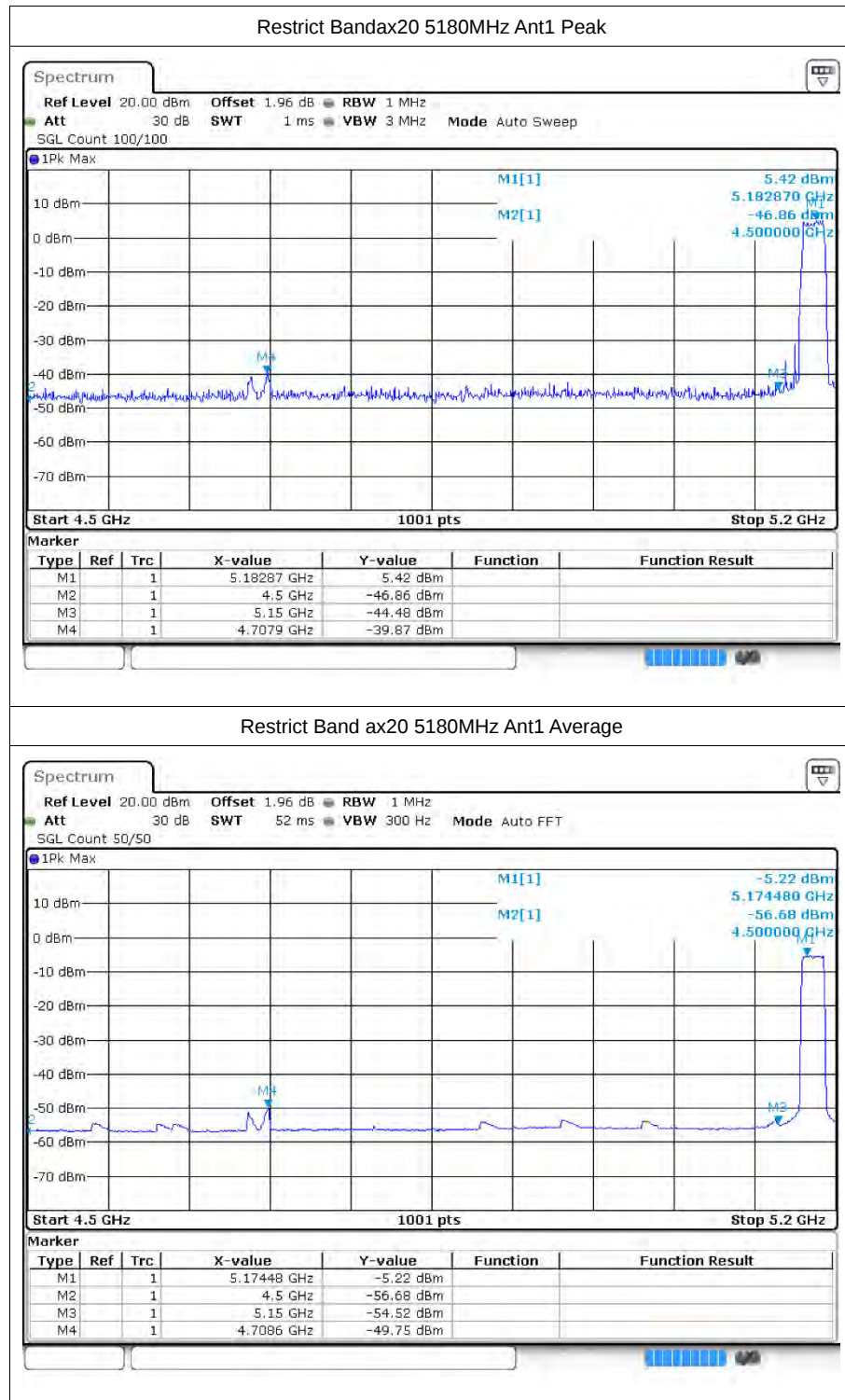


Restrict Bandac80 5210MHz Ant1 Peak

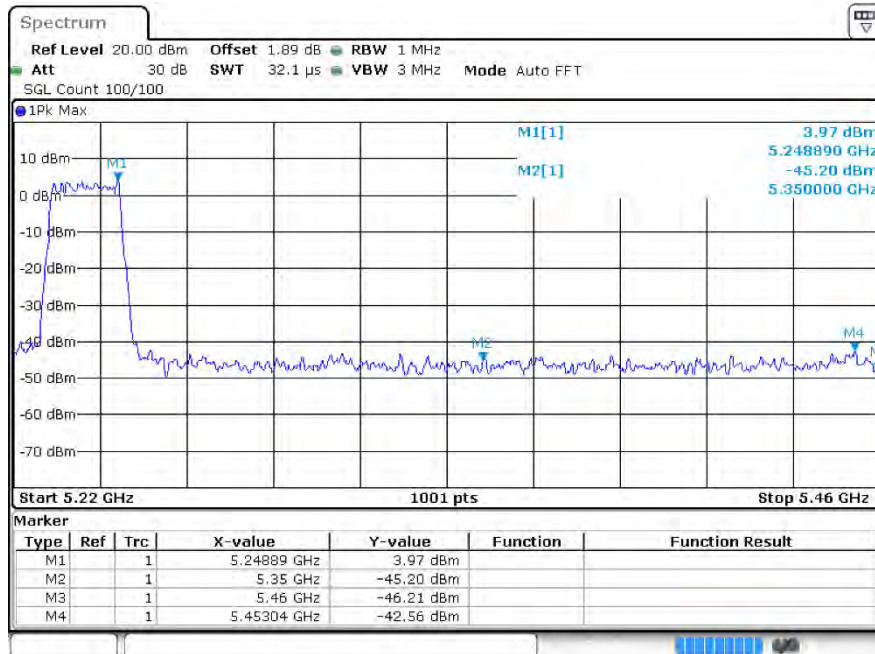


Restrict Band ac80 5210MHz Ant1 Average

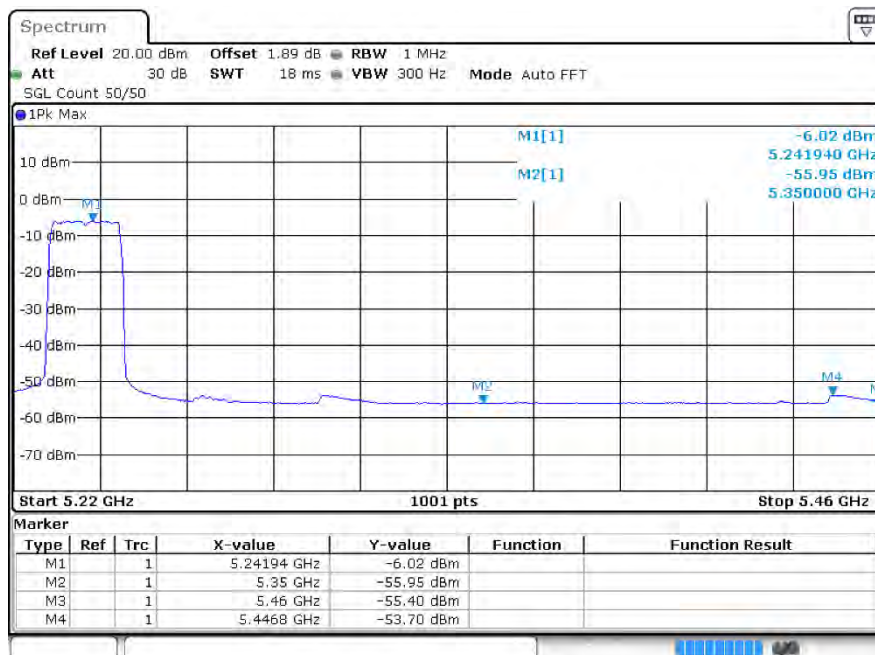




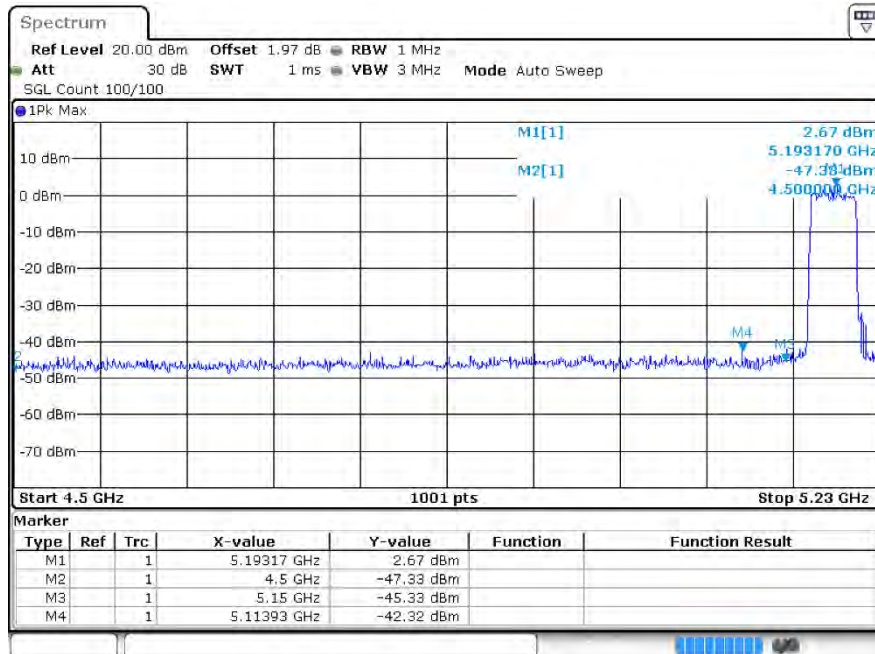
Restrict Bandx20 5240MHz Ant1 Peak



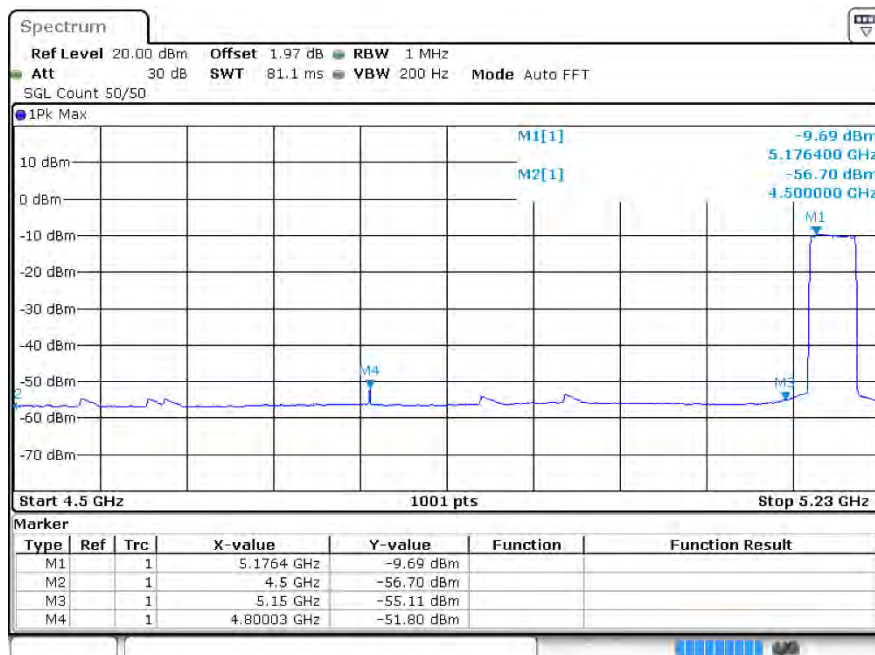
Restrict Band ax20 5240MHz Ant1 Average



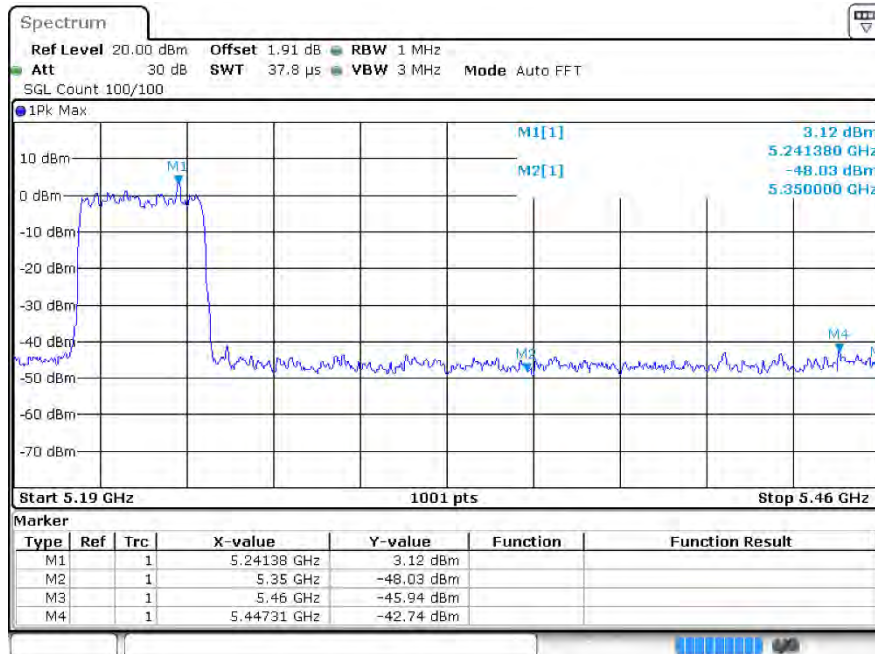
Restrict Bandax40 5190MHz Ant1 Peak



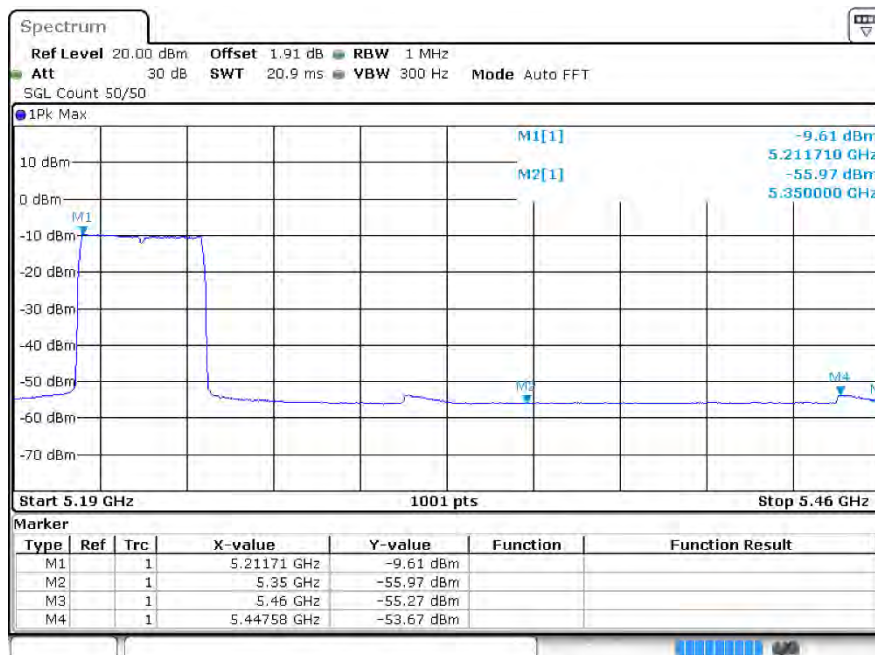
Restrict Band ax40 5190MHz Ant1 Average



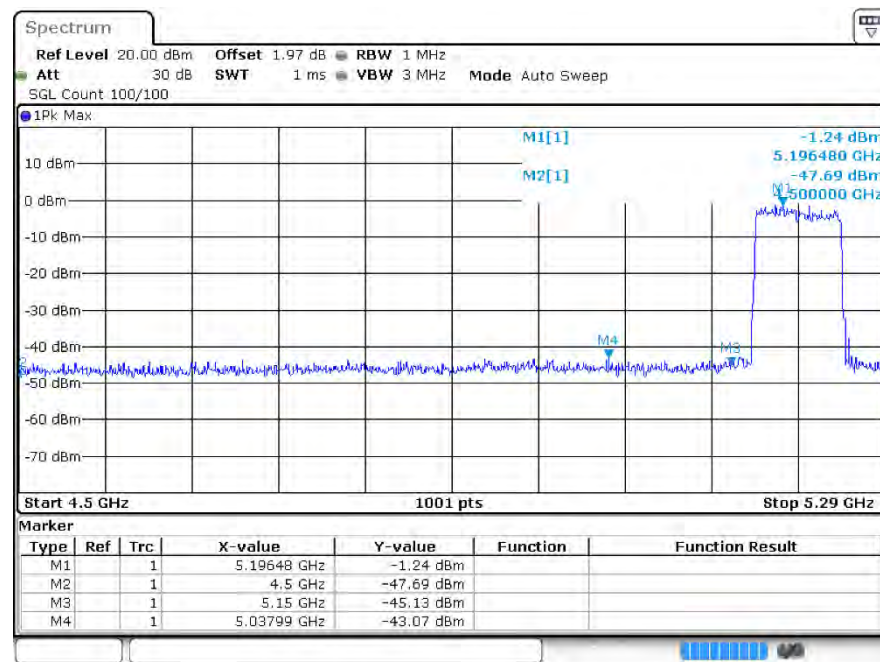
Restrict Bandax40 5230MHz Ant1 Peak



Restrict Band ax40 5230MHz Ant1 Average



Restrict Bandax80 5210MHz Ant1 Peak



Restrict Band ax80 5210MHz Ant1 Average

