



Appendix D

RF Test Data for B1-B3WIFI(Conducted Measurement)

Product Name: Notebook computer

Trade Mark: Blackview

Test Model: AceBook 8

Environmental Conditions

Temperature:	25.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



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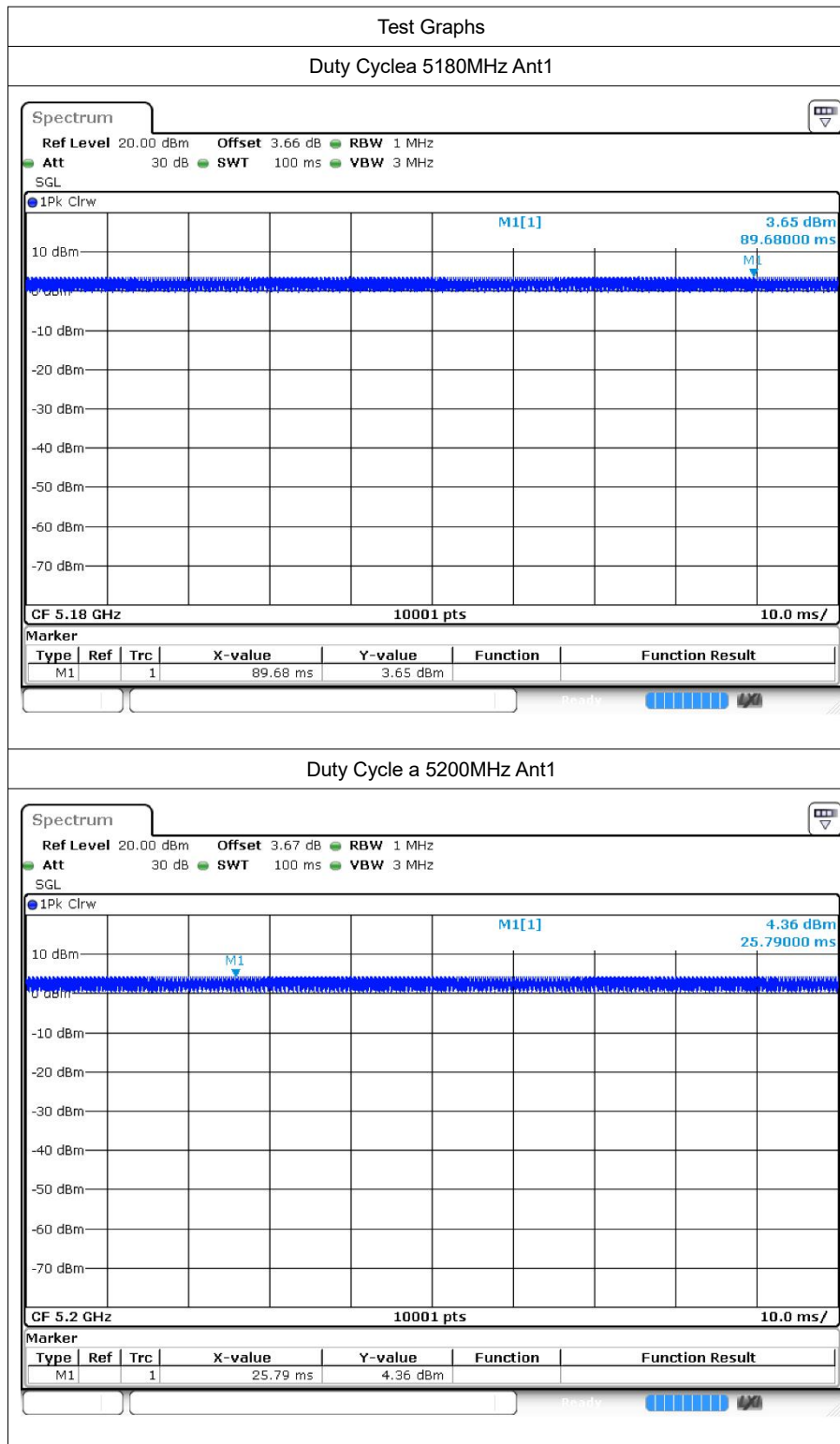


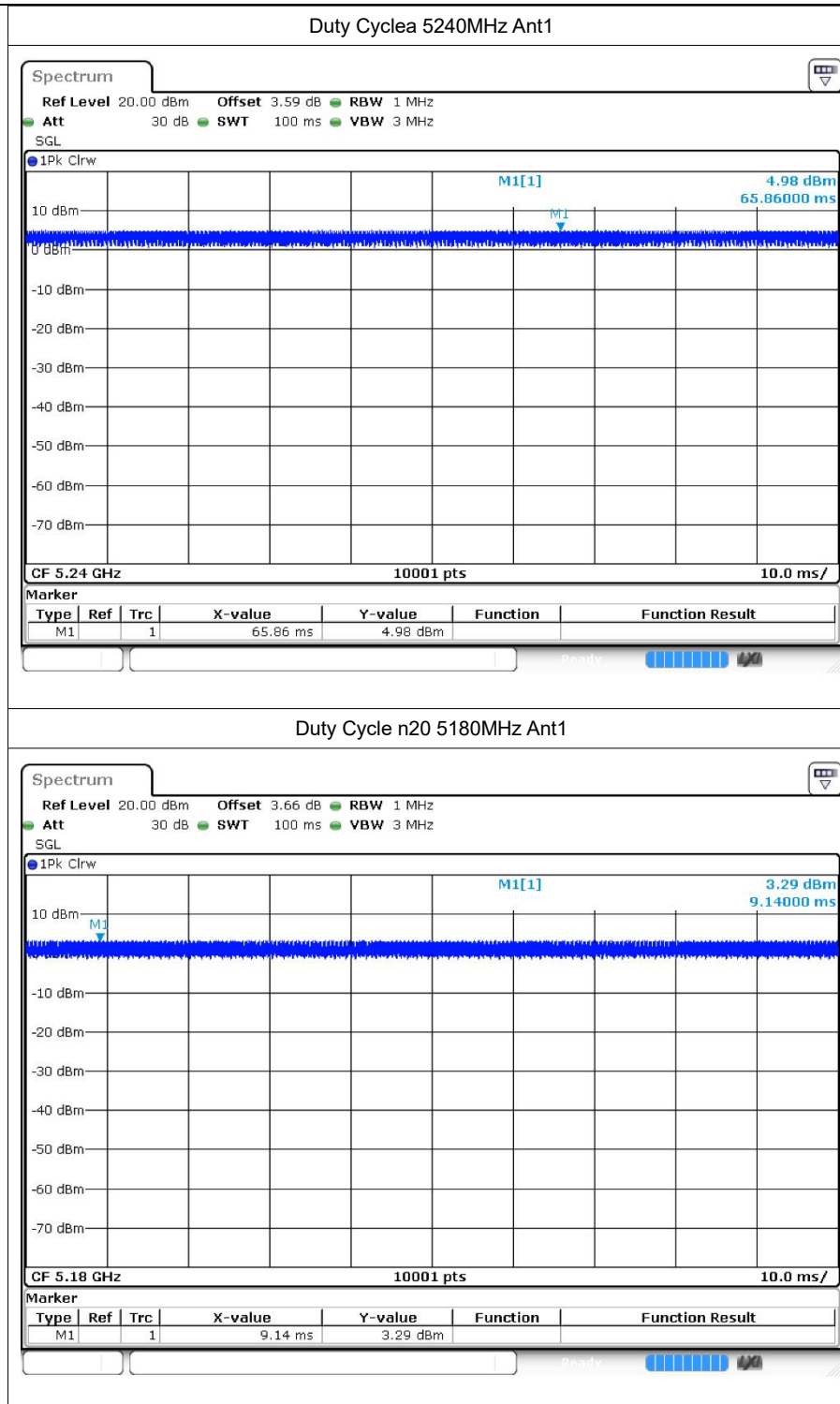
1 Duty Cycle

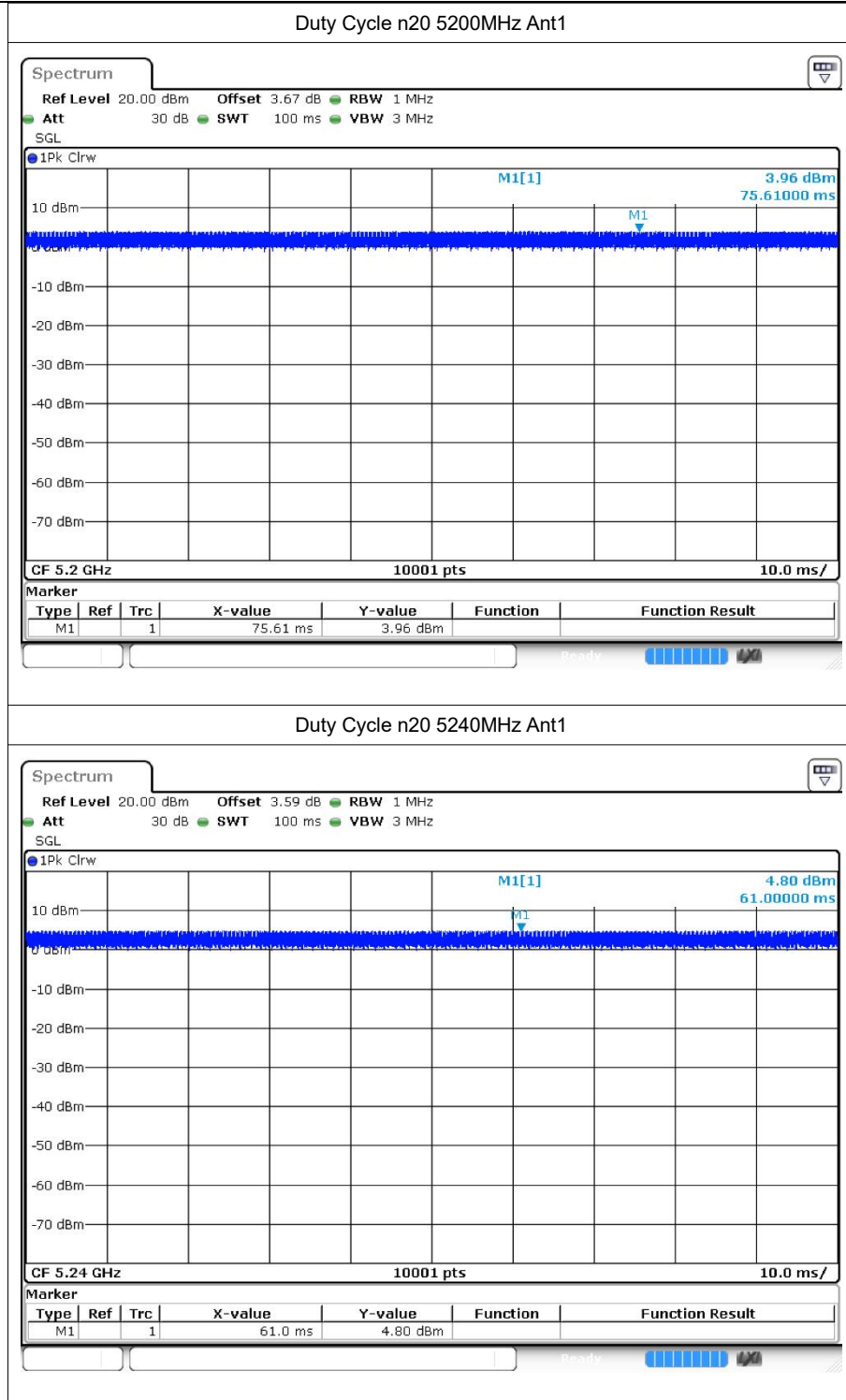
1.1 Test Result

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

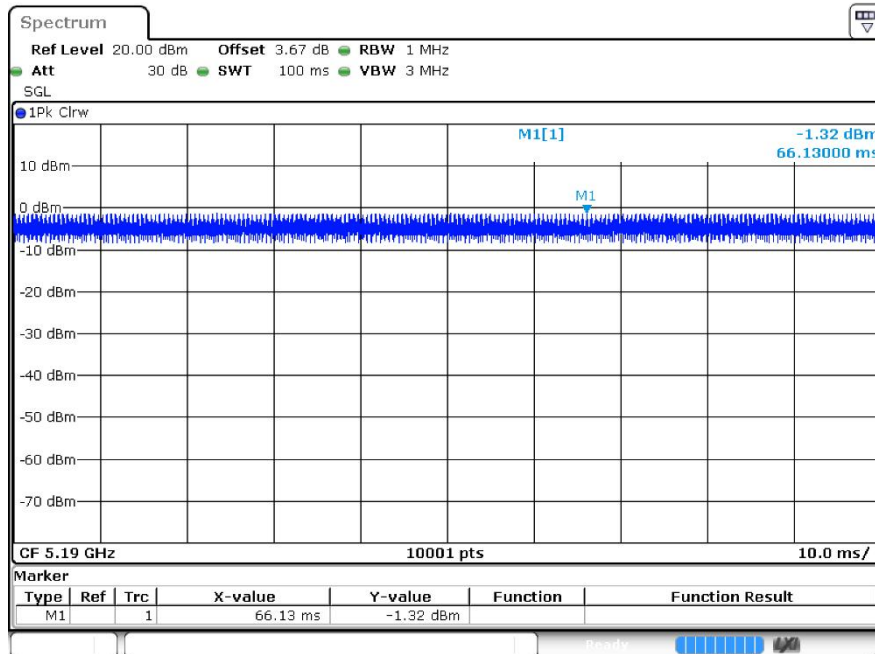
1.2 Test Graphs



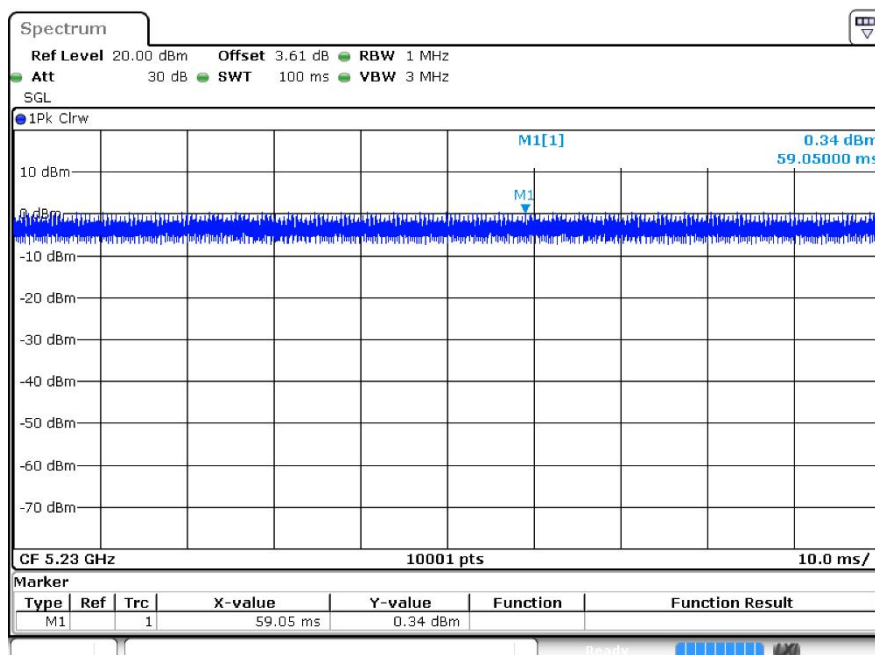




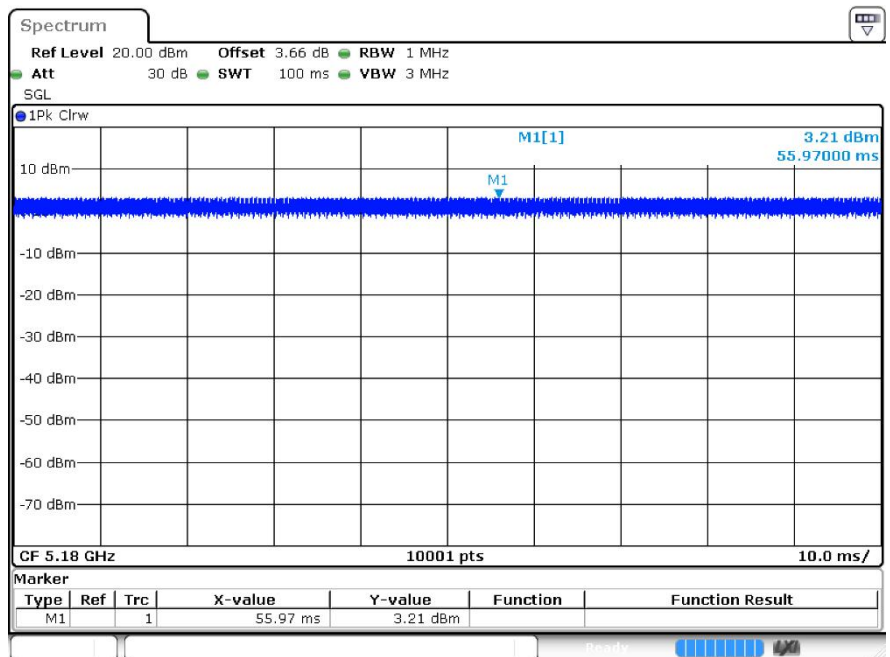
Duty Cyclen40 5190MHz Ant1



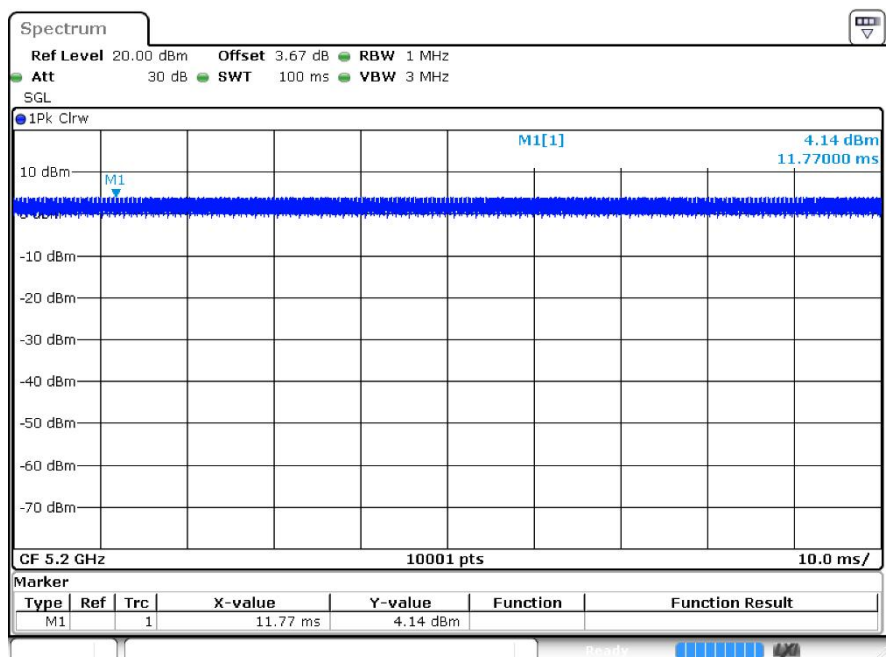
Duty Cyclen40 5230MHz Ant1



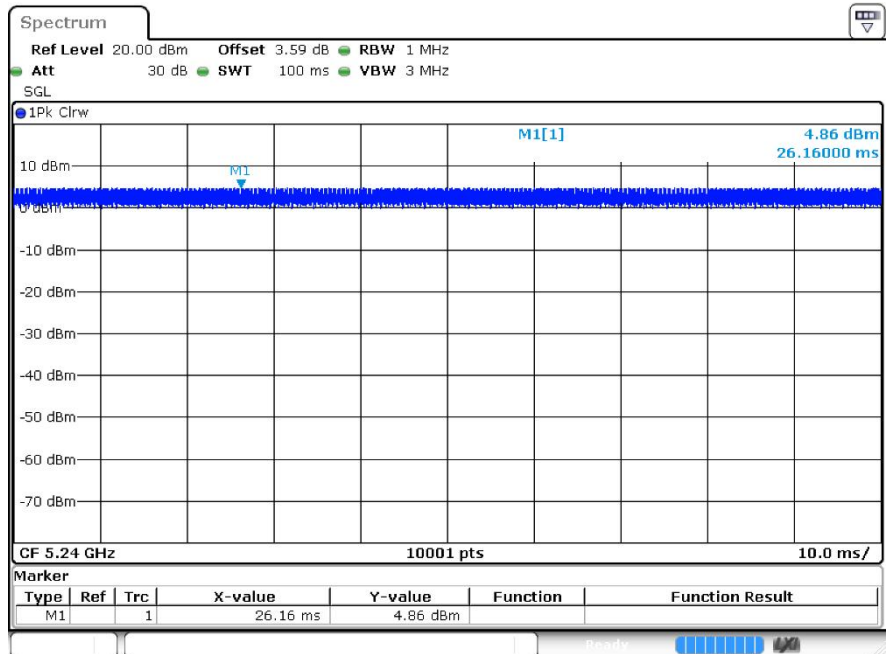
Duty Cycle ac20 5180MHz Ant1



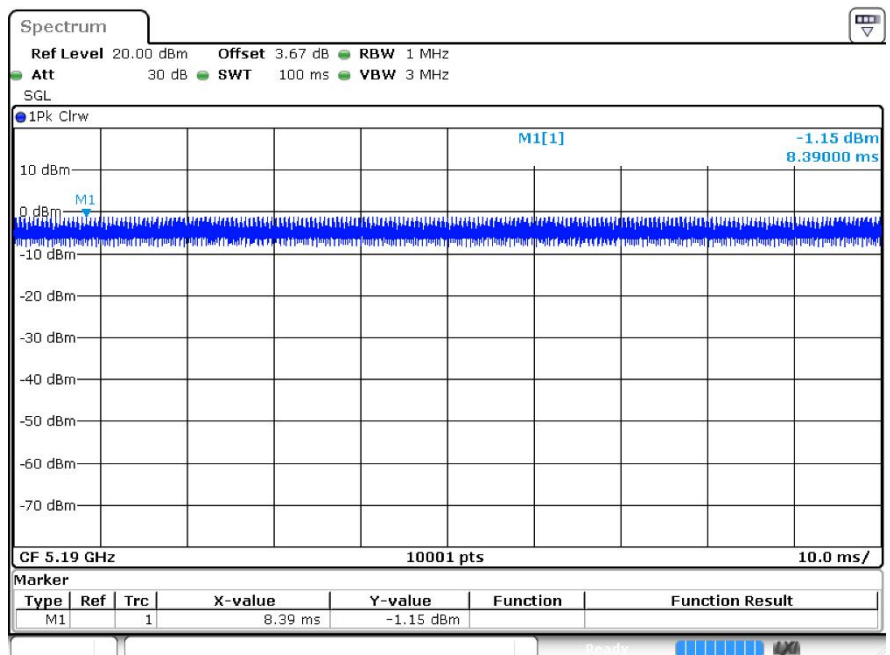
Duty Cycle ac20 5200MHz Ant1

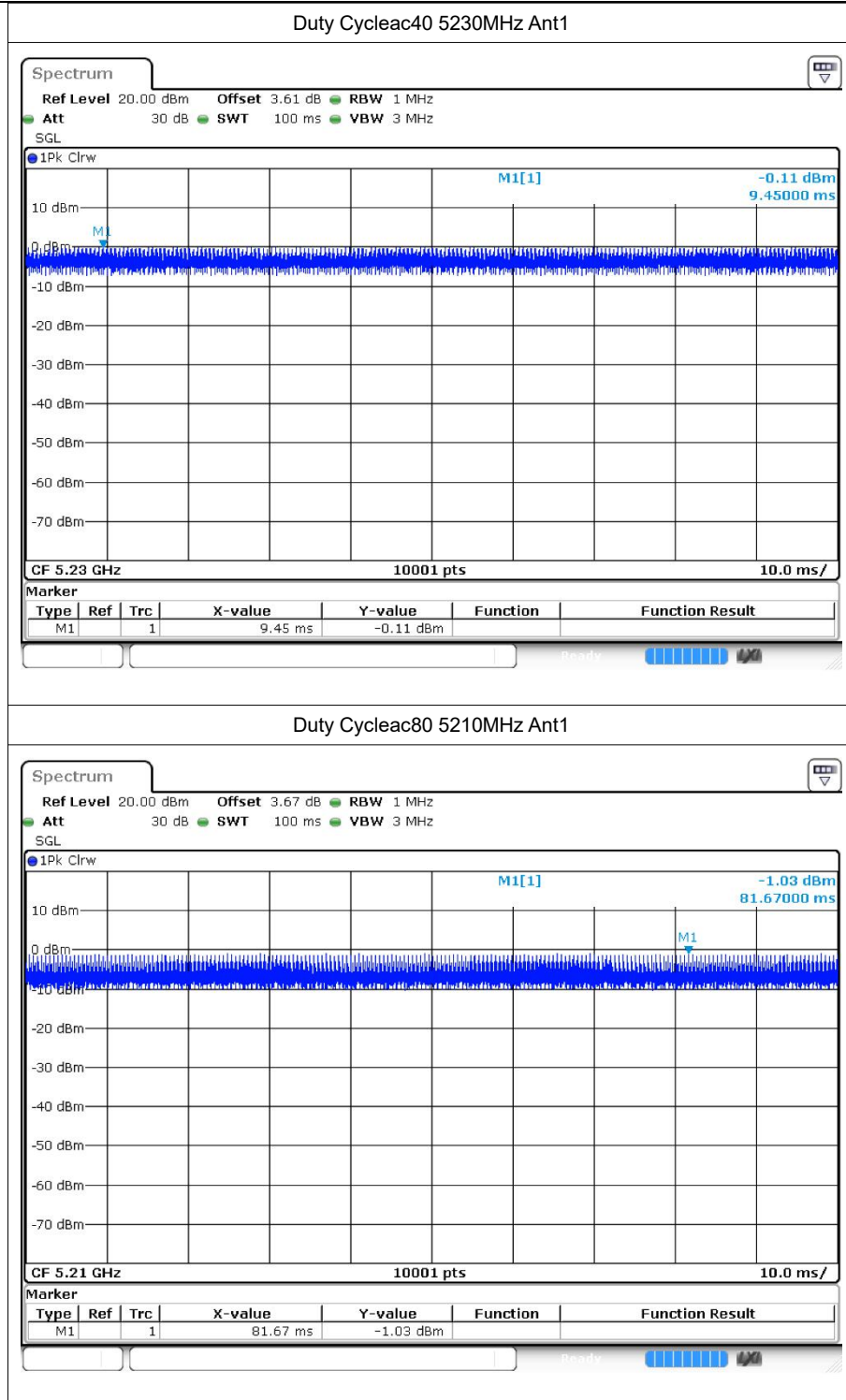


Duty Cycle ac20 5240MHz Ant1



Duty Cycleac40 5190MHz Ant1







2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	13.52	24	Pass
a	5200	Ant1	14.06	24	Pass
a	5240	Ant1	14.65	24	Pass
n20	5180	Ant1	13	24	Pass
n20	5200	Ant1	13.39	24	Pass
n20	5240	Ant1	14.15	24	Pass
n40	5190	Ant1	12.81	24	Pass
n40	5230	Ant1	13.64	24	Pass
ac20	5180	Ant1	12.92	24	Pass
ac20	5200	Ant1	13.39	24	Pass
ac20	5240	Ant1	14.16	24	Pass
ac40	5190	Ant1	12.71	24	Pass
ac40	5230	Ant1	13.67	24	Pass
ac80	5210	Ant1	12.81	24	Pass

Note:

The duty factor has been compensated into the result.

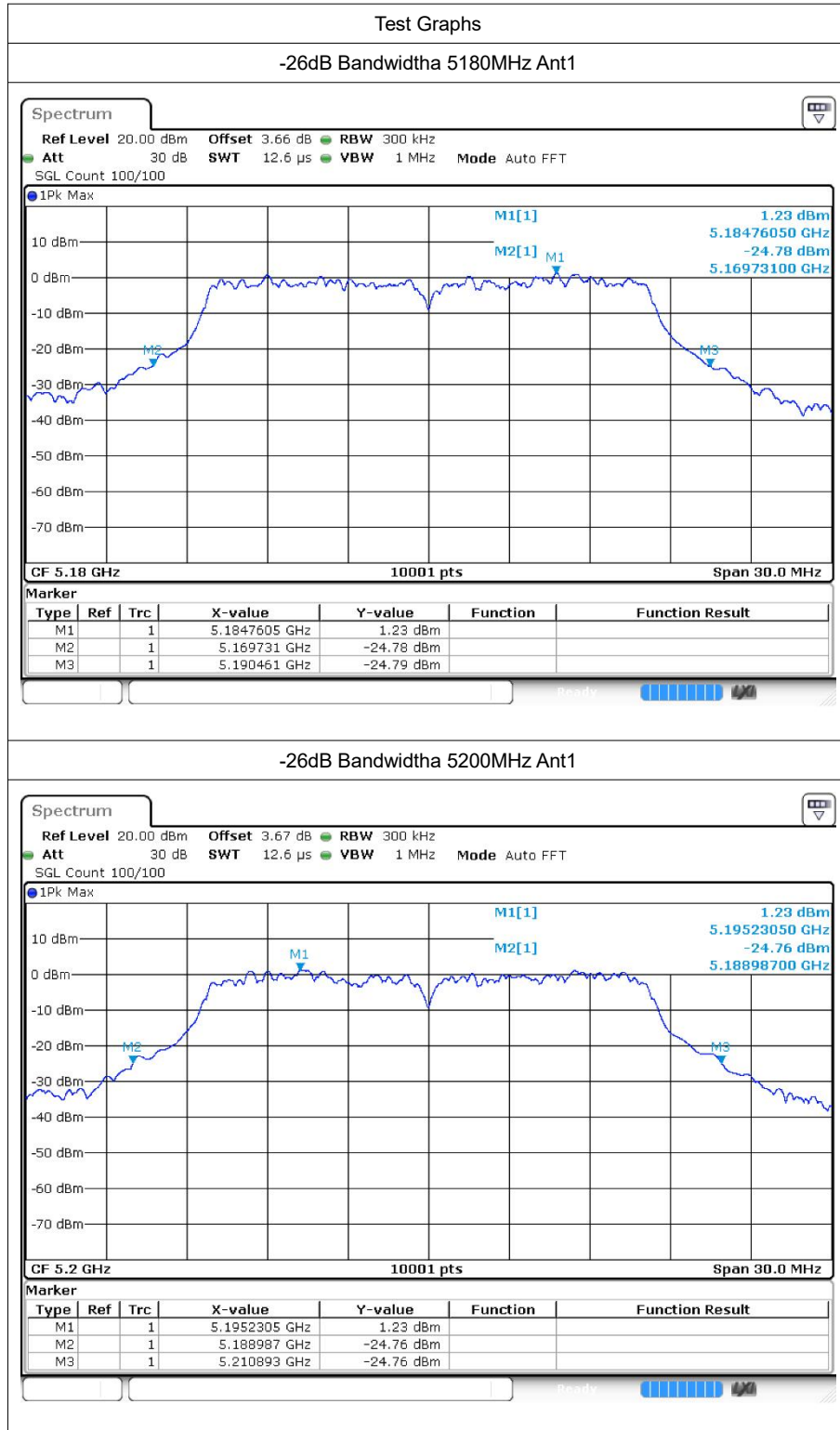


3 -26dB Bandwidth

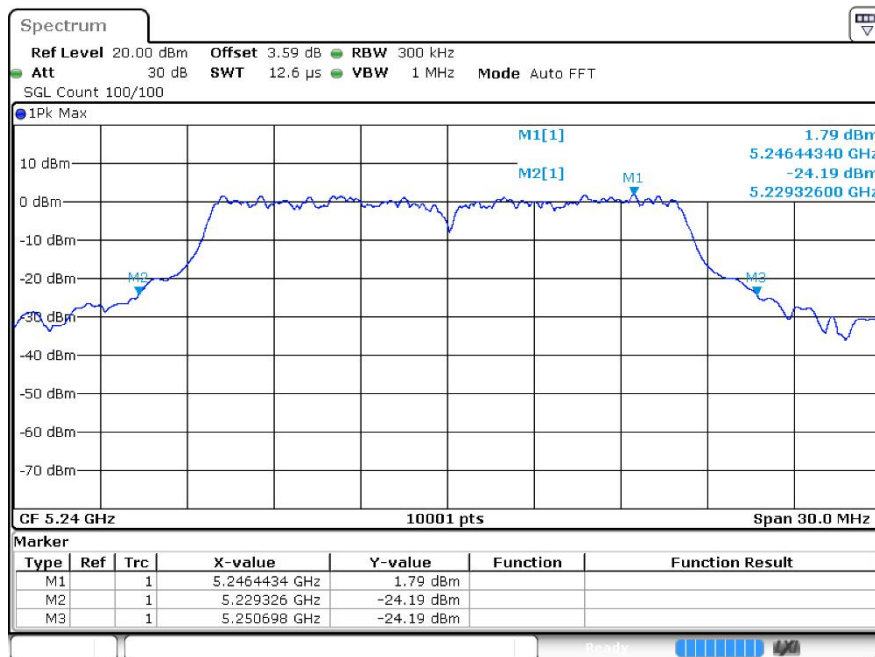
3.1 Test Result

Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
a	5180	Ant1	20.73	0.5	Pass
a	5200	Ant1	21.906	0.5	Pass
a	5240	Ant1	21.372	0.5	Pass
n20	5180	Ant1	22.185	0.5	Pass
n20	5200	Ant1	22.239	0.5	Pass
n20	5240	Ant1	22.233	0.5	Pass
n40	5190	Ant1	41.826	0.5	Pass
n40	5230	Ant1	42.504	0.5	Pass
ac20	5180	Ant1	22.581	0.5	Pass
ac20	5200	Ant1	21.609	0.5	Pass
ac20	5240	Ant1	21.963	0.5	Pass
ac40	5190	Ant1	42.198	0.5	Pass
ac40	5230	Ant1	42.45	0.5	Pass
ac80	5210	Ant1	79.764	0.5	Pass

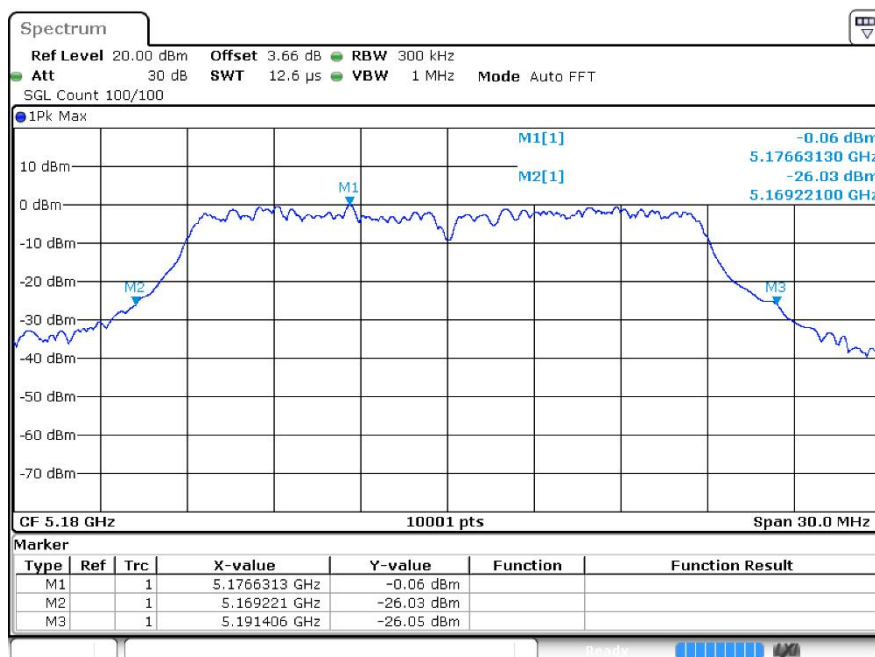
3.2 Test Graphs



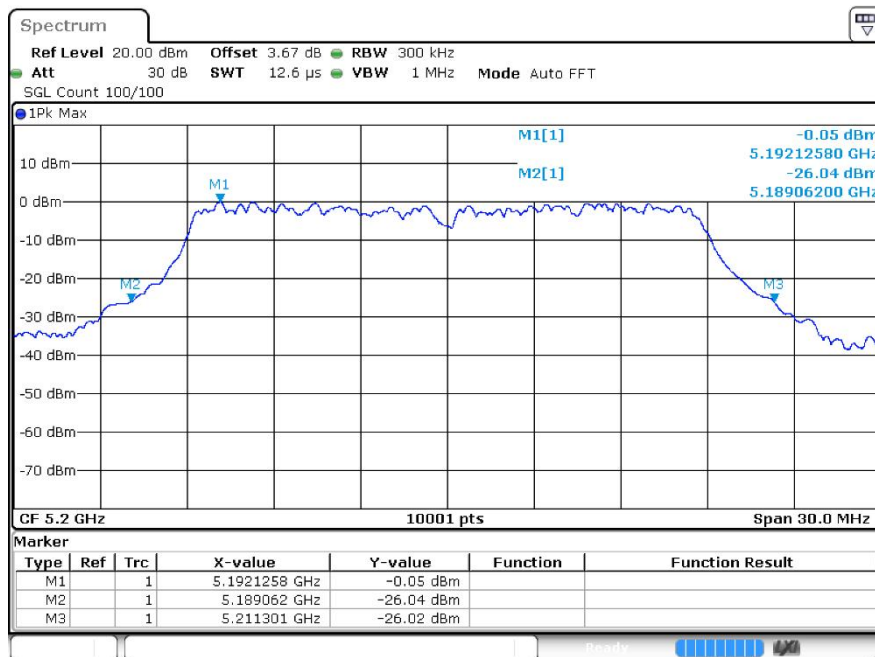
-26dB Bandwidtha 5240MHz Ant1



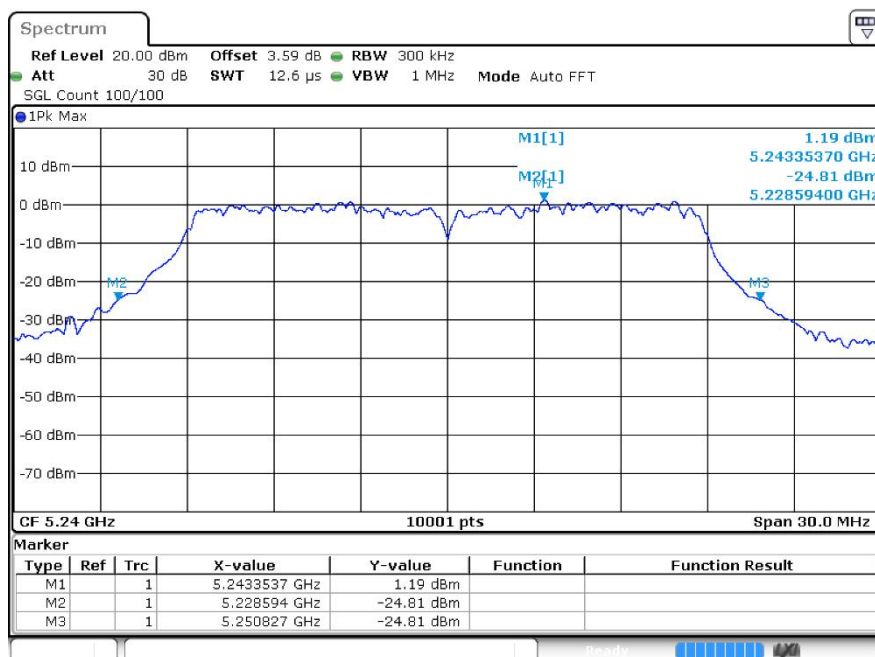
-26dB Bandwidth n20 5180MHz Ant1



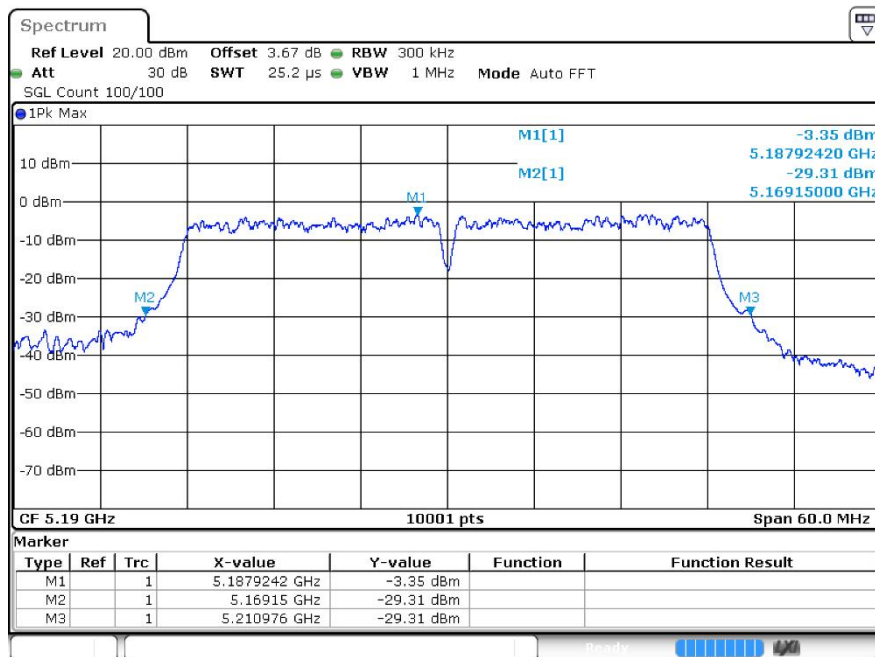
-26dB Bandwidth n20 5200MHz Ant1



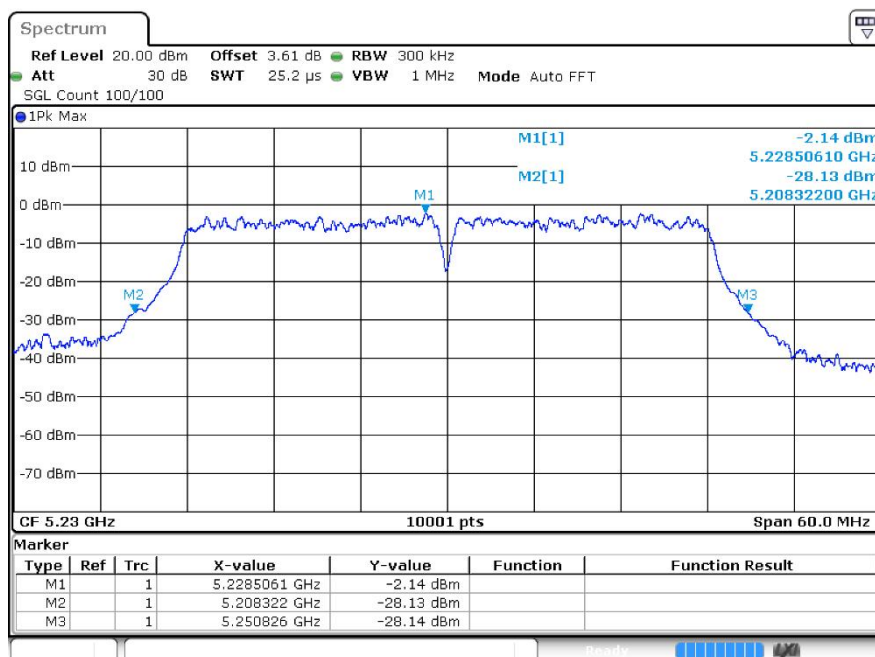
-26dB Bandwidth n20 5240MHz Ant1



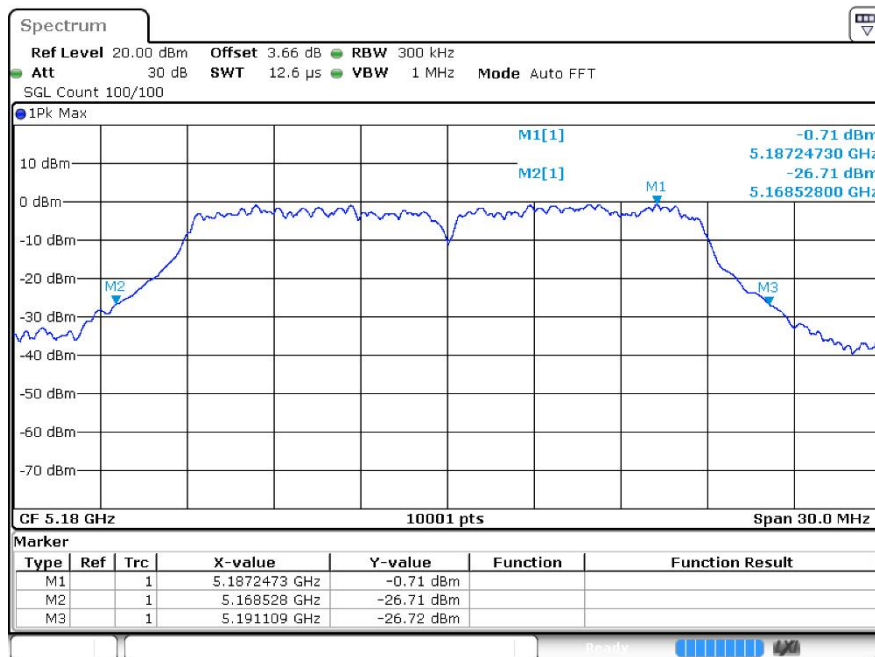
-26dB Bandwidthn40 5190MHz Ant1



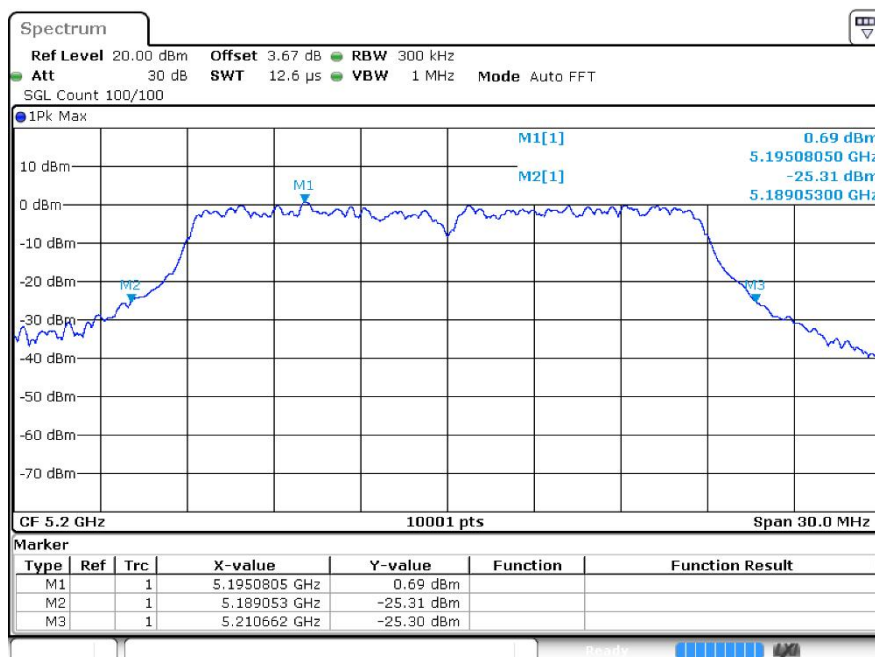
-26dB Bandwidthn40 5230MHz Ant1



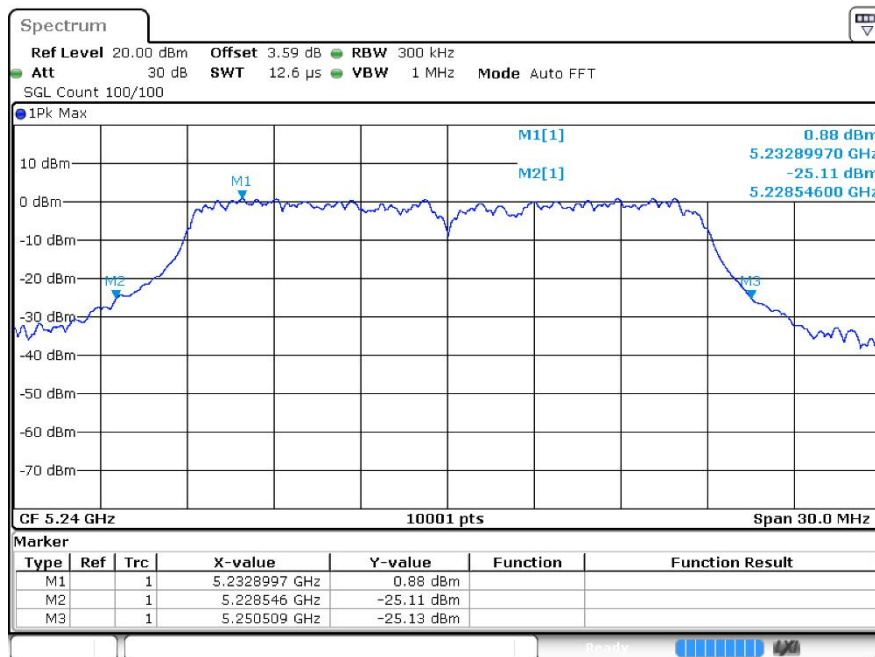
-26dB Bandwidth ac20 5180MHz Ant1



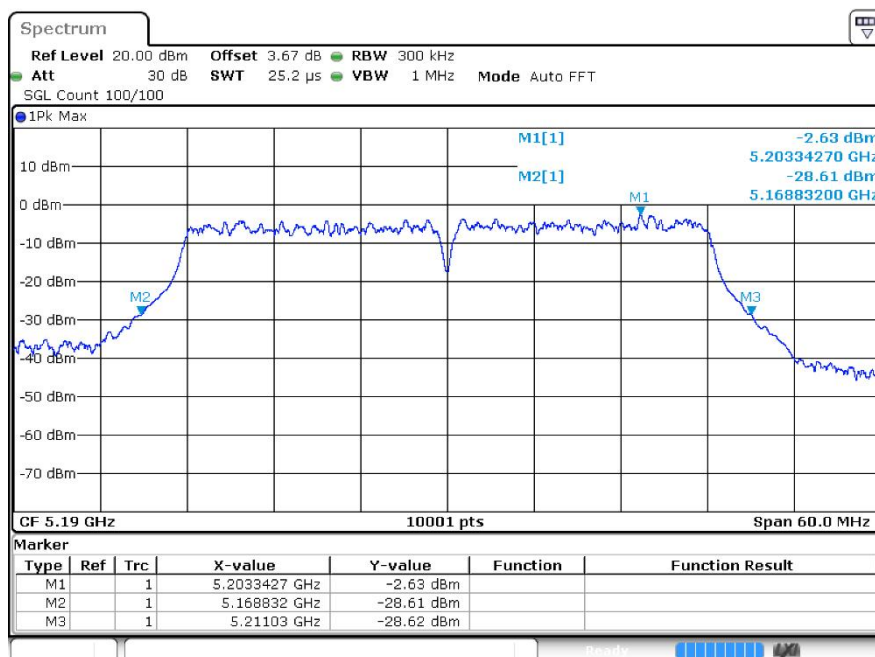
-26dB Bandwidth ac20 5200MHz Ant1



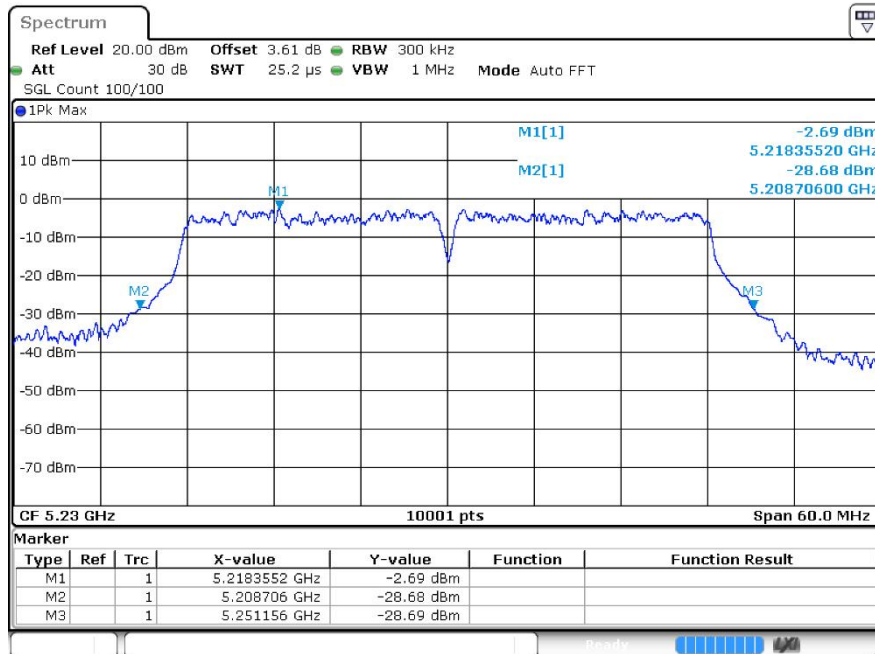
-26dB Bandwidth ac20 5240MHz Ant1



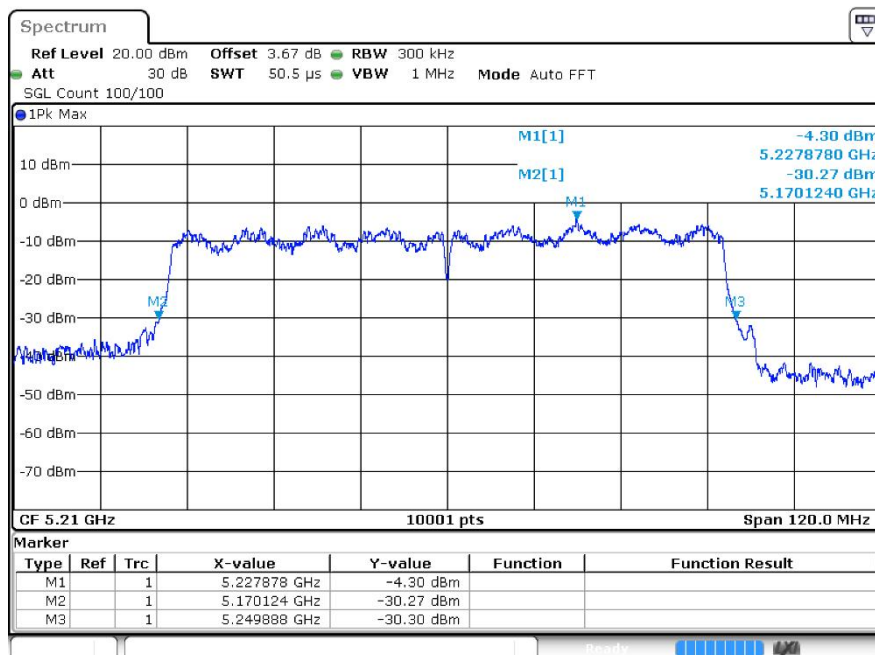
-26dB Bandwidthac40 5190MHz Ant1



-26dB Bandwidthac40 5230MHz Ant1



-26dB Bandwidthac80 5210MHz Ant1



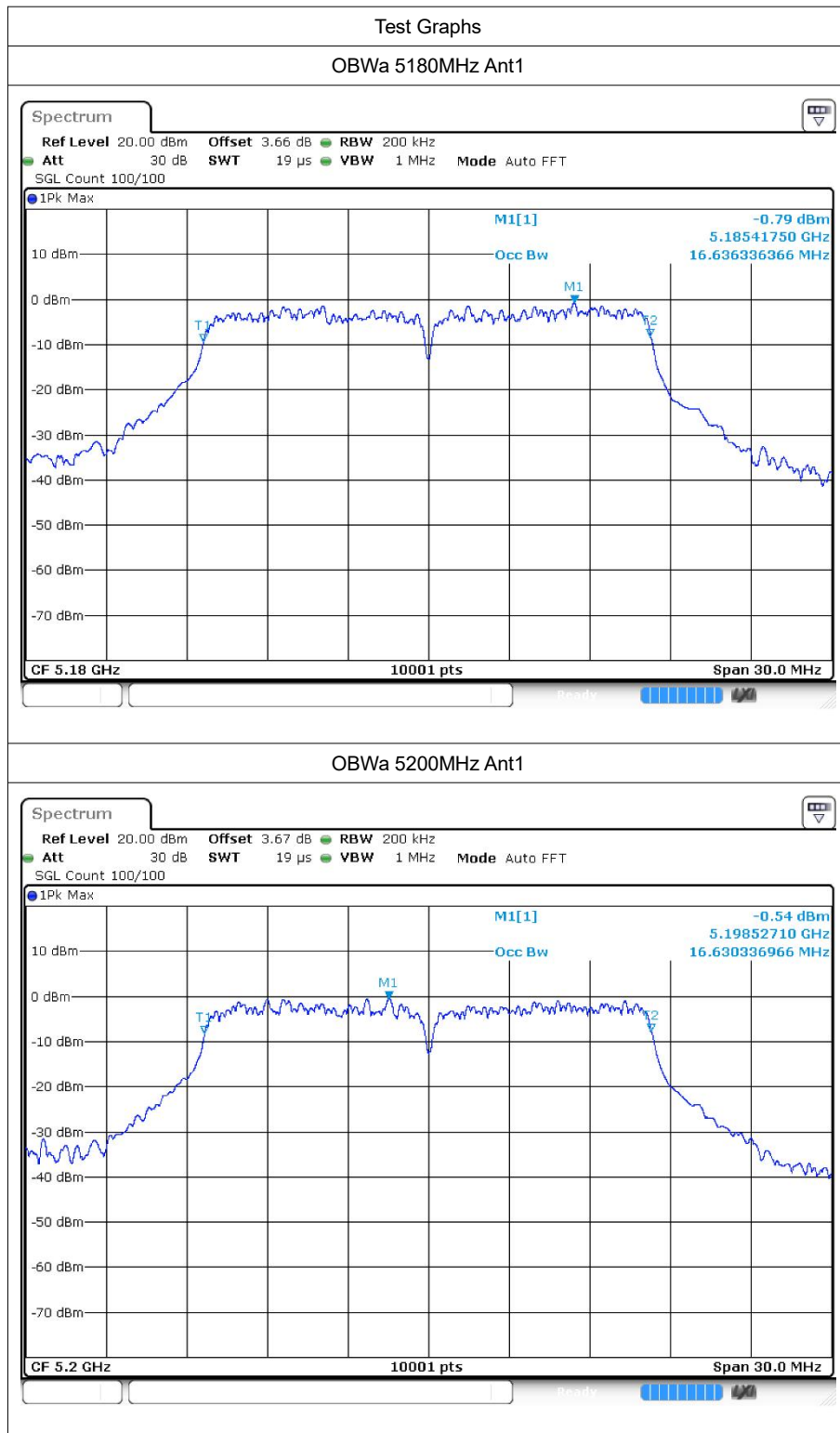


4 Occupied Channel Bandwidth

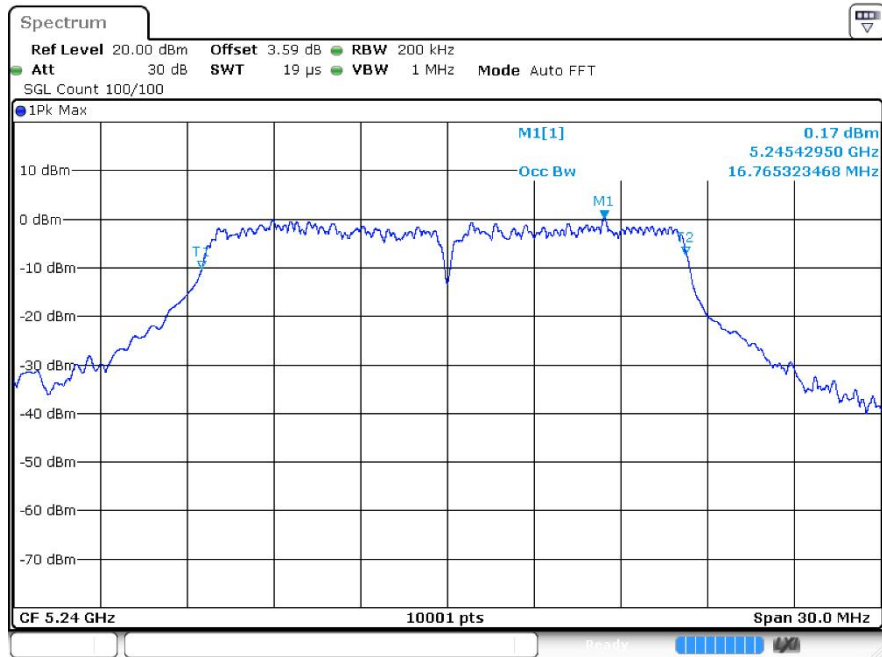
4.1 Test Result

Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
a	5180	Ant1	16.636
a	5200	Ant1	16.63
a	5240	Ant1	16.765
n20	5180	Ant1	17.824
n20	5200	Ant1	17.797
n20	5240	Ant1	17.737
n40	5190	Ant1	36.332
n40	5230	Ant1	36.53
ac20	5180	Ant1	17.848
ac20	5200	Ant1	17.884
ac20	5240	Ant1	17.848
ac40	5190	Ant1	36.338
ac40	5230	Ant1	36.476
ac80	5210	Ant1	75.688

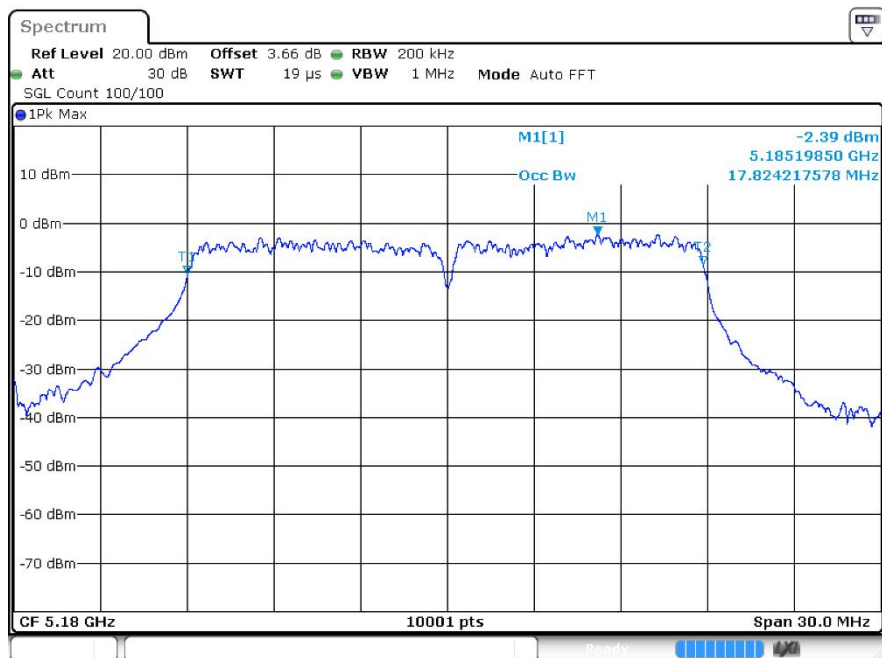
4.2 Test Graphs



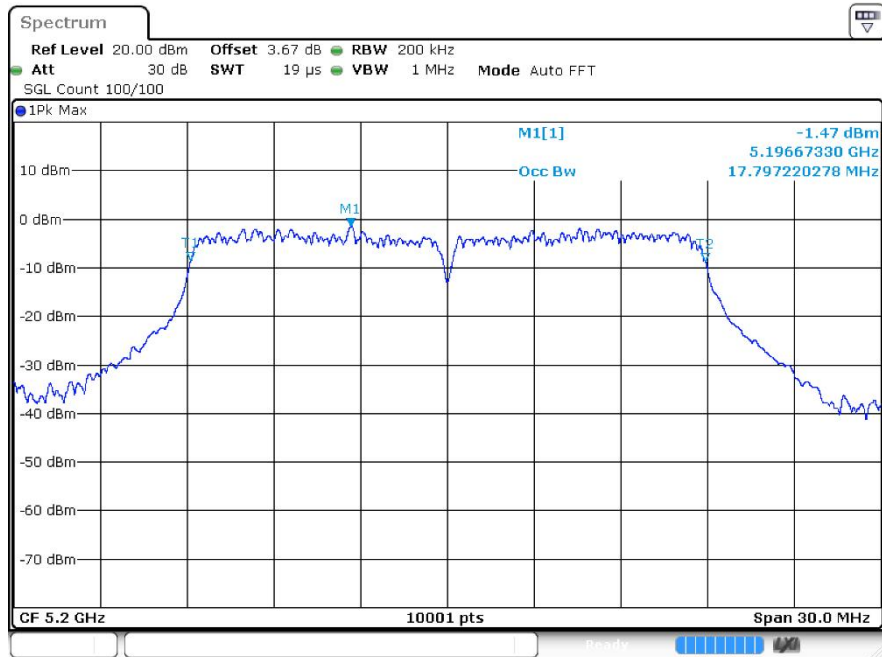
OBWa 5240MHz Ant1



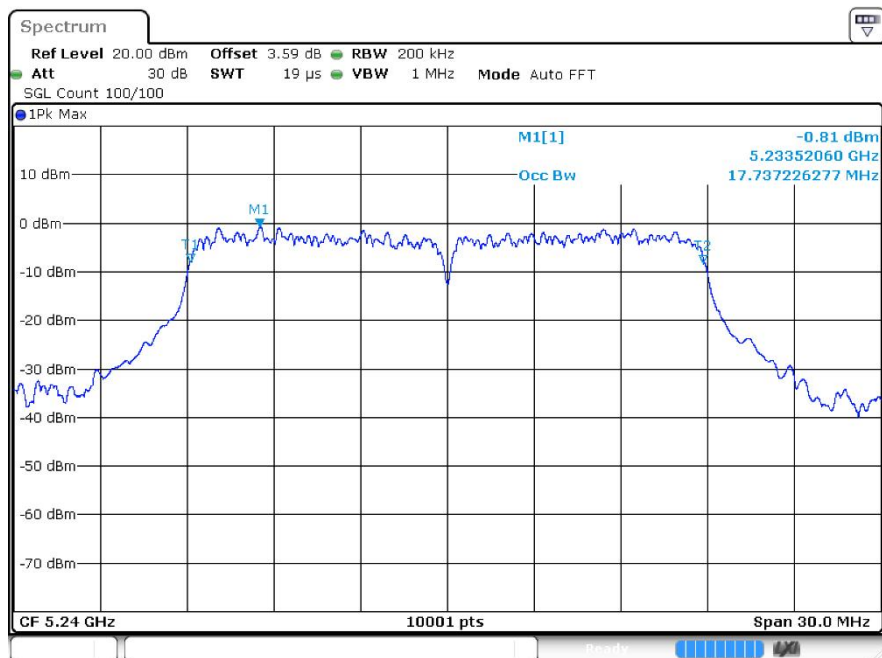
OBW n20 5180MHz Ant1



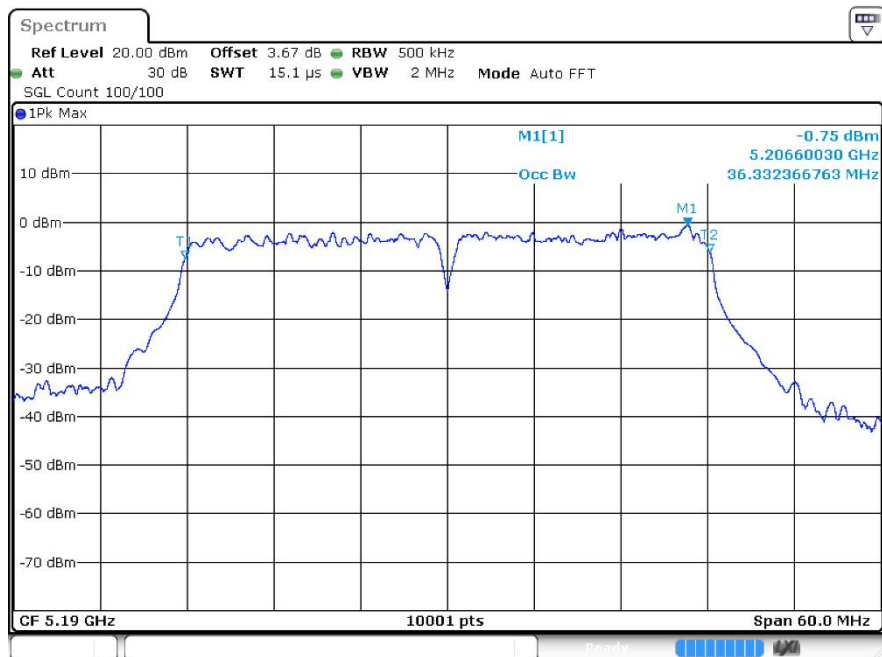
OBW n20 5200MHz Ant1



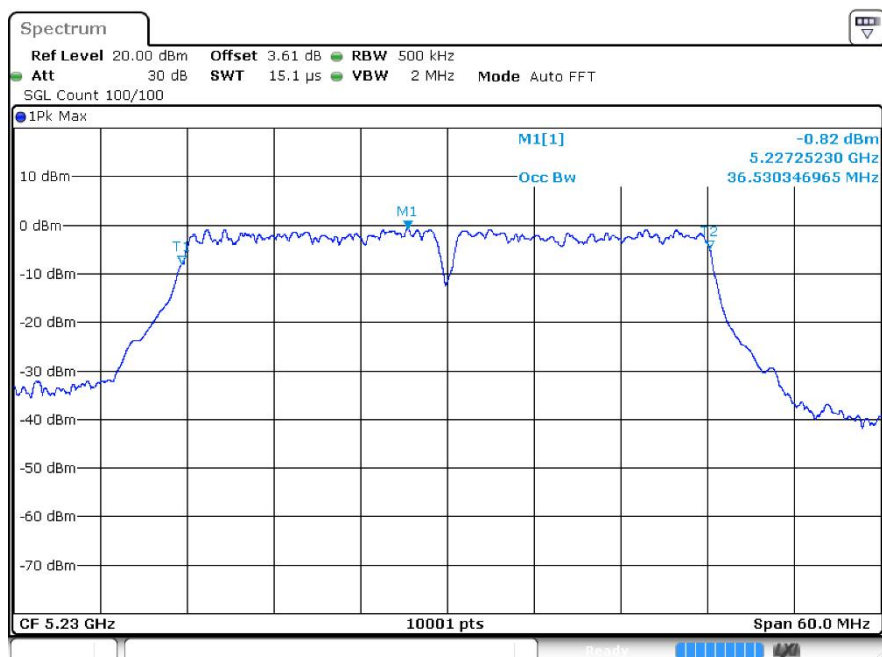
OBW n20 5240MHz Ant1



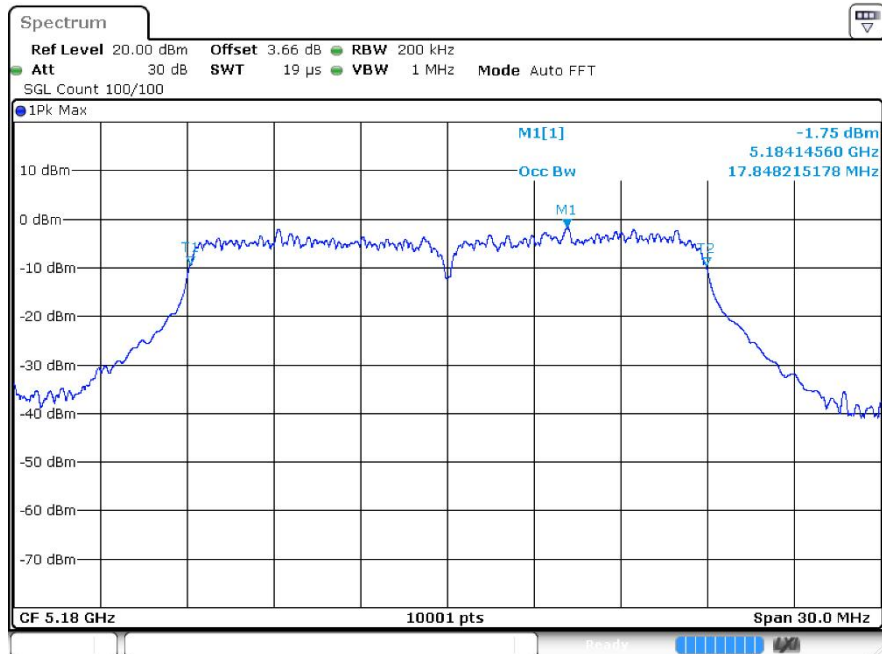
OBWn40 5190MHz Ant1



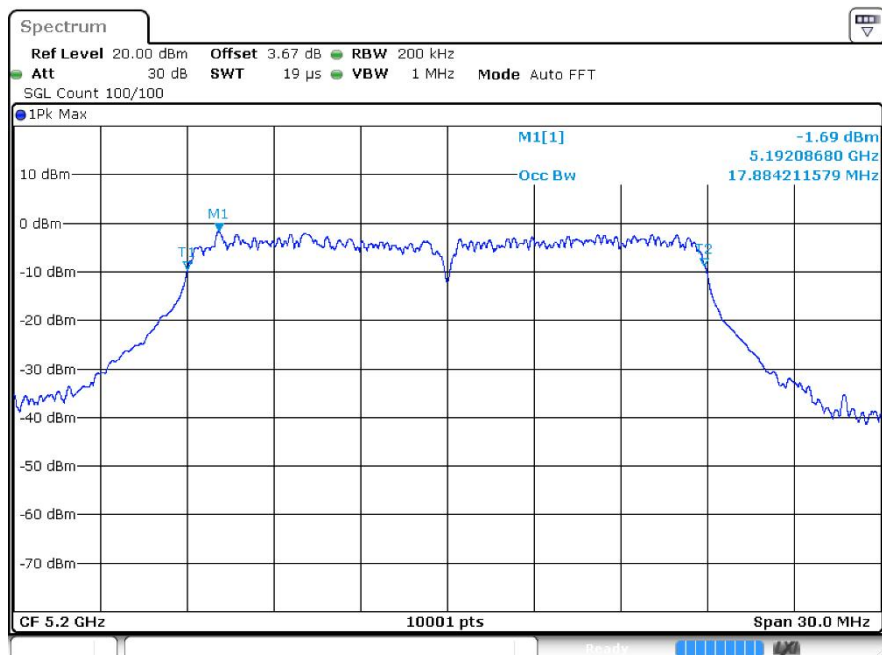
OBWn40 5230MHz Ant1



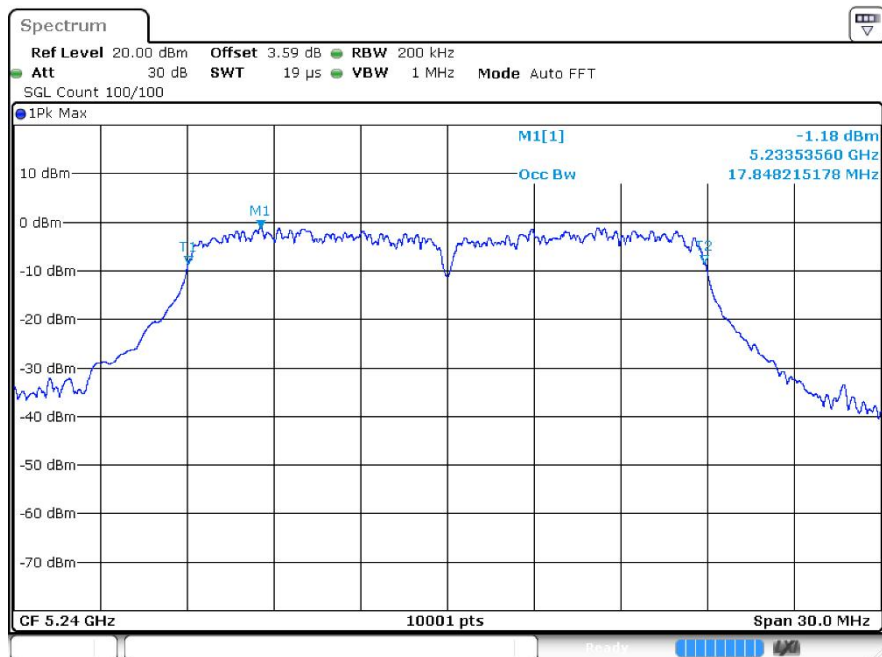
OBW ac20 5180MHz Ant1



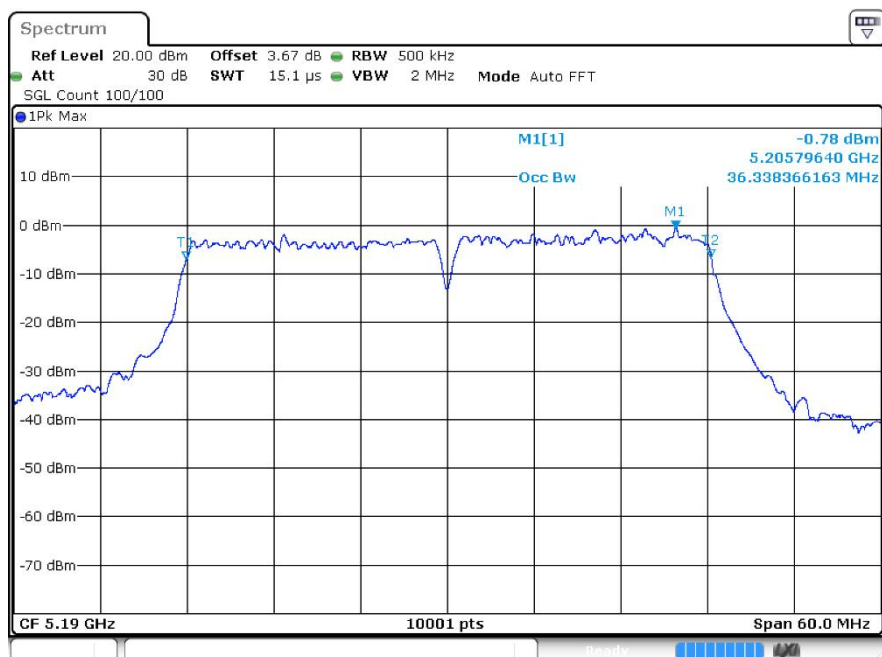
OBW ac20 5200MHz Ant1



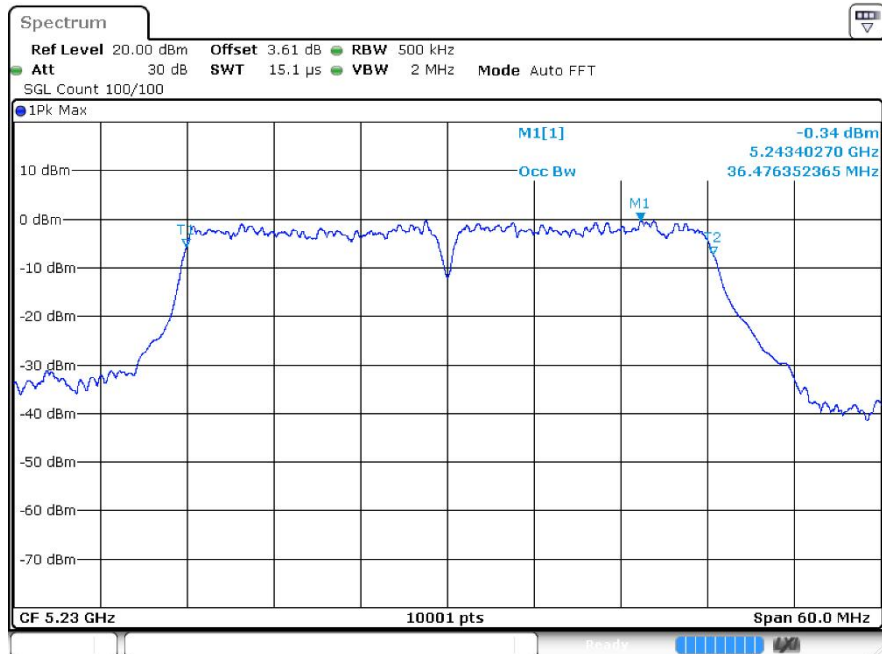
OBW ac20 5240MHz Ant1



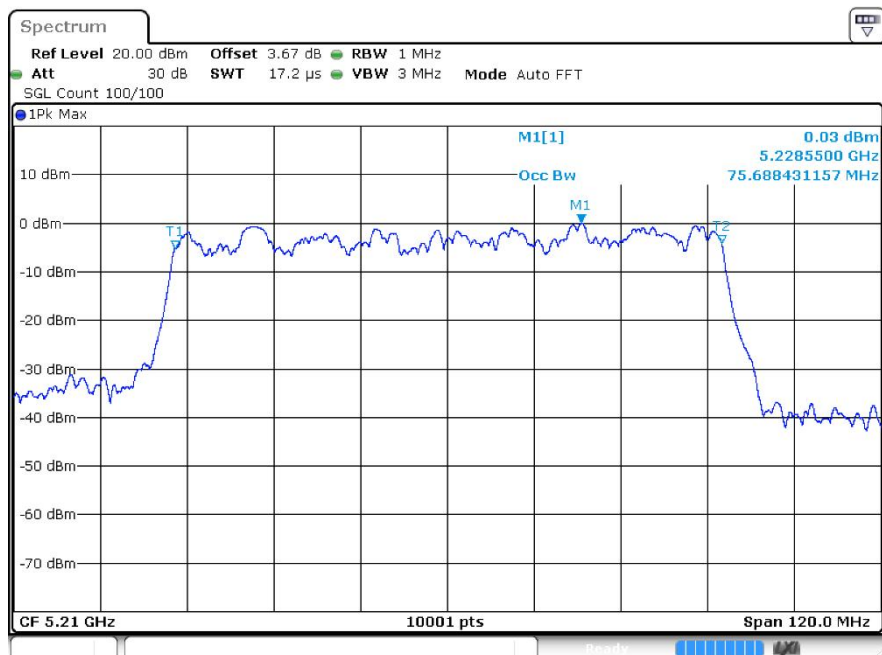
OBWac40 5190MHz Ant1



OBWac40 5230MHz Ant1



OBWac80 5210MHz Ant1

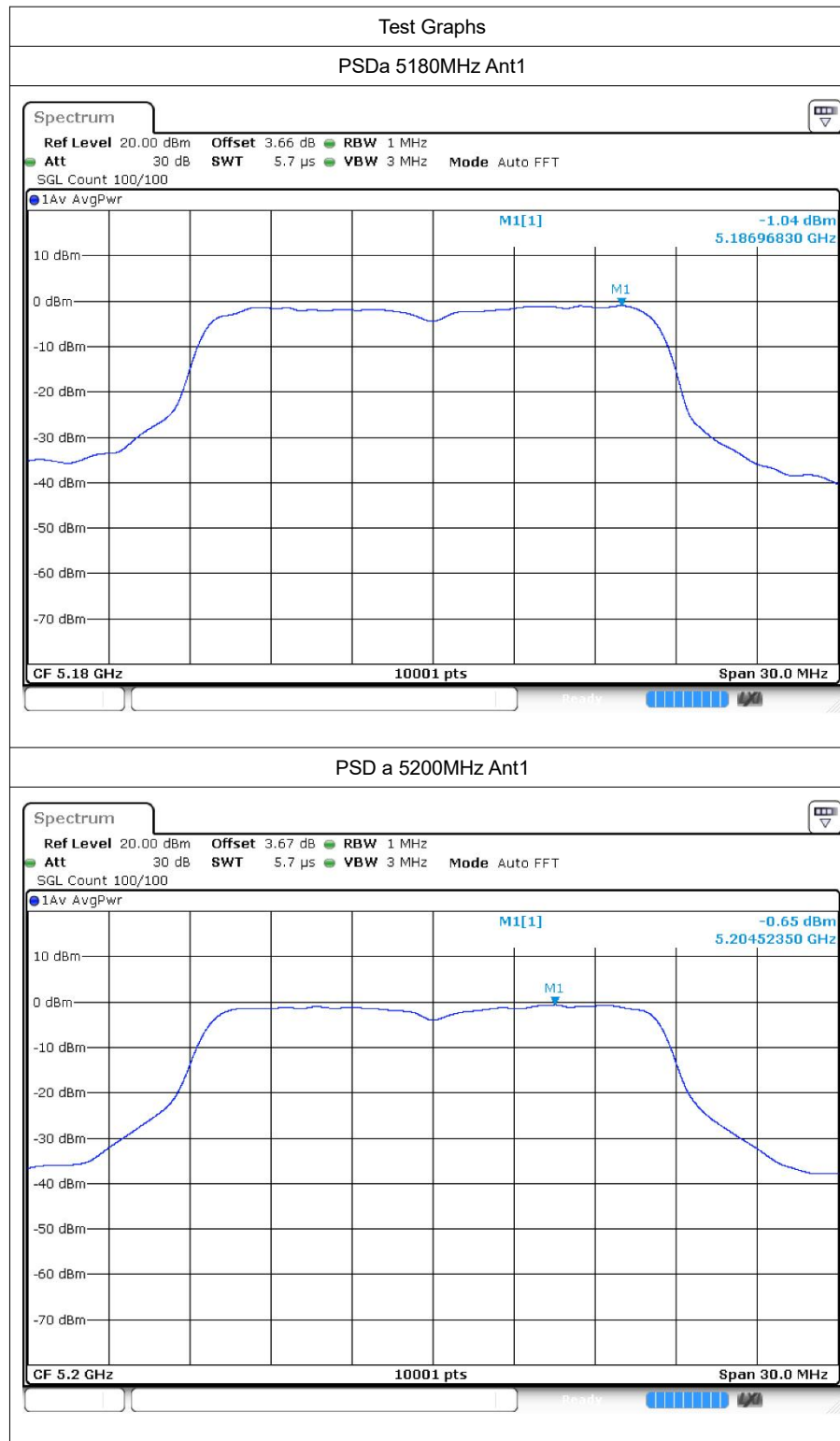


5 Maximum Power Spectral Density Level

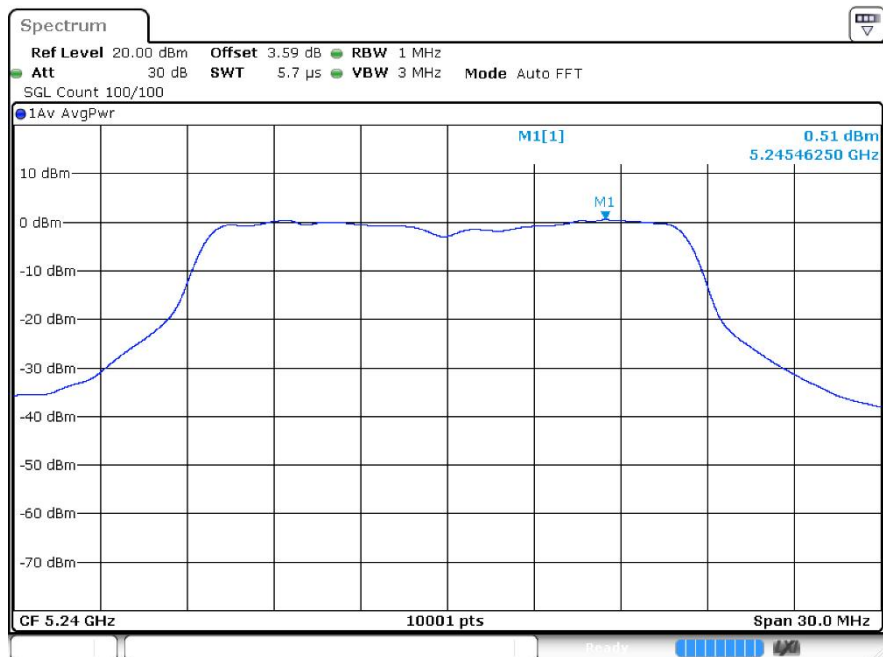
5.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	-1.04	0	-1.04	11	Pass
a	5200	Ant1	-0.65	0	-0.65	11	Pass
a	5240	Ant1	0.51	0	0.51	11	Pass
n20	5180	Ant1	-2.26	0	-2.26	11	Pass
n20	5200	Ant1	-0.82	0	-0.82	11	Pass
n20	5240	Ant1	-0.54	0	-0.54	11	Pass
n40	5190	Ant1	-4.93	0	-4.93	11	Pass
n40	5230	Ant1	-3.75	0	-3.75	11	Pass
ac20	5180	Ant1	-1.69	0	-1.69	11	Pass
ac20	5200	Ant1	-0.94	0	-0.94	11	Pass
ac20	5240	Ant1	-0.18	0	-0.18	11	Pass
ac40	5190	Ant1	-5.07	0	-5.07	11	Pass
ac40	5230	Ant1	-3.86	0	-3.86	11	Pass
ac80	5210	Ant1	-6.43	0	-6.43	11	Pass

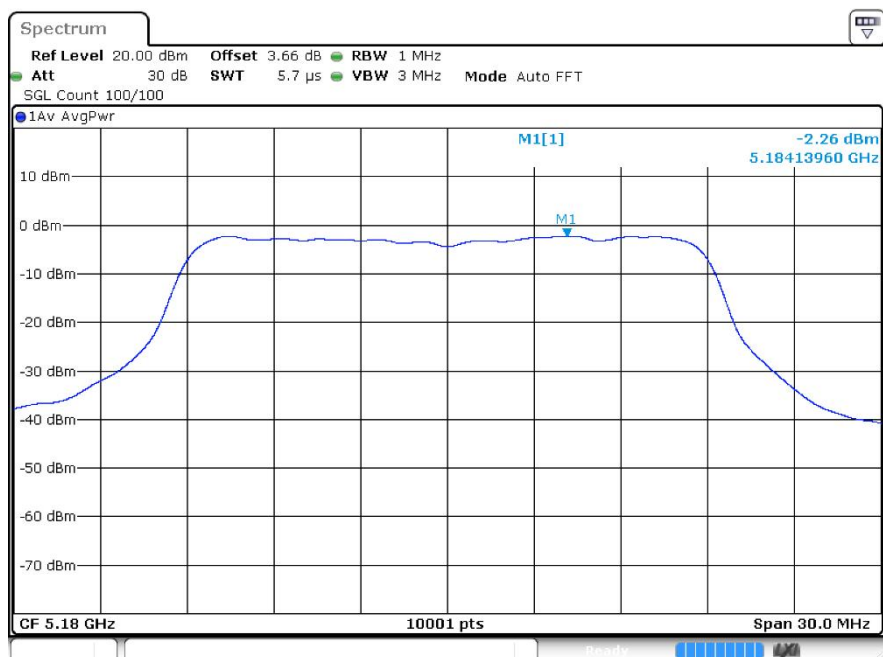
5.2 Test Graphs



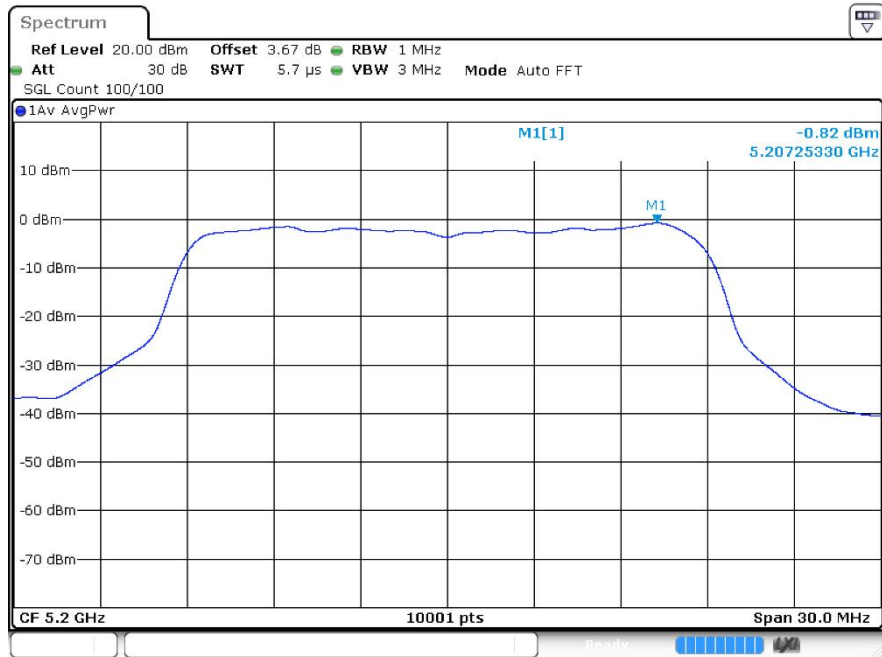
PSDa 5240MHz Ant1



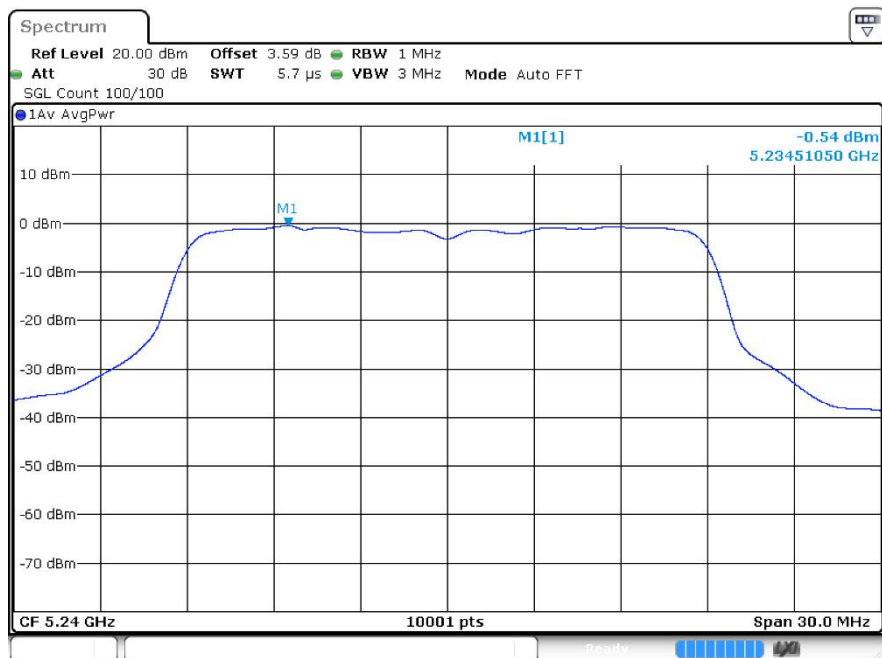
PSD n20 5180MHz Ant1



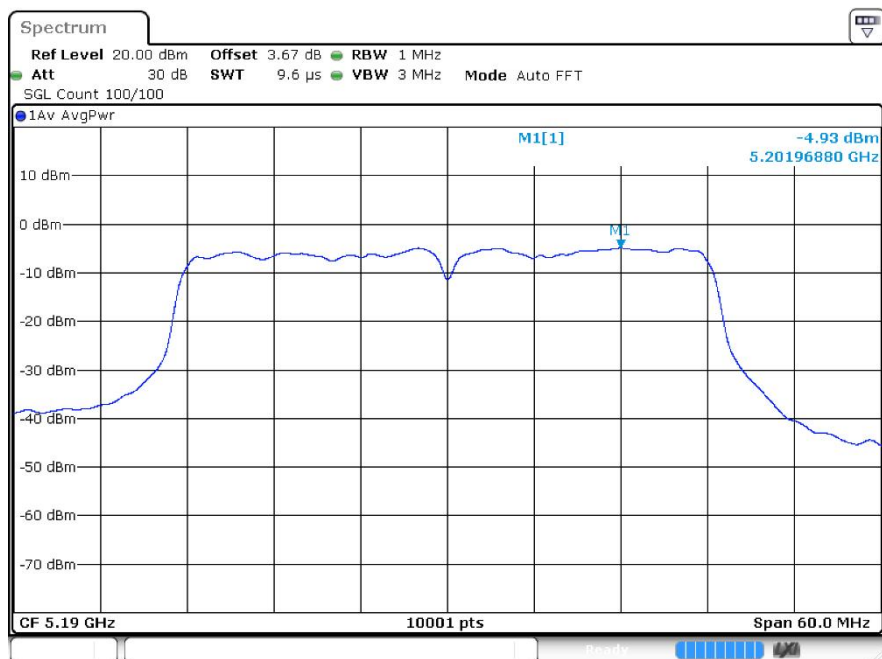
PSD n20 5200MHz Ant1



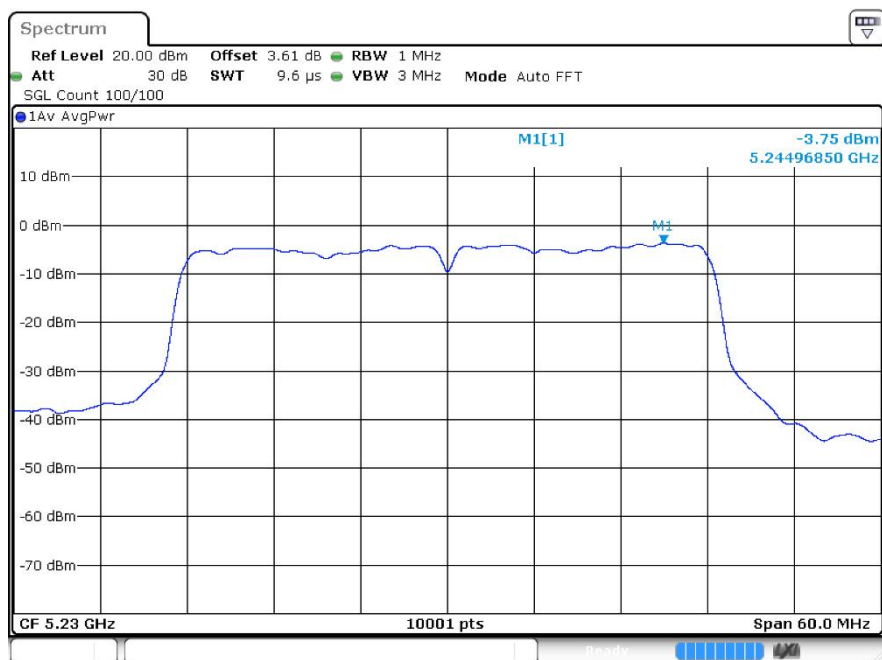
PSD n20 5240MHz Ant1



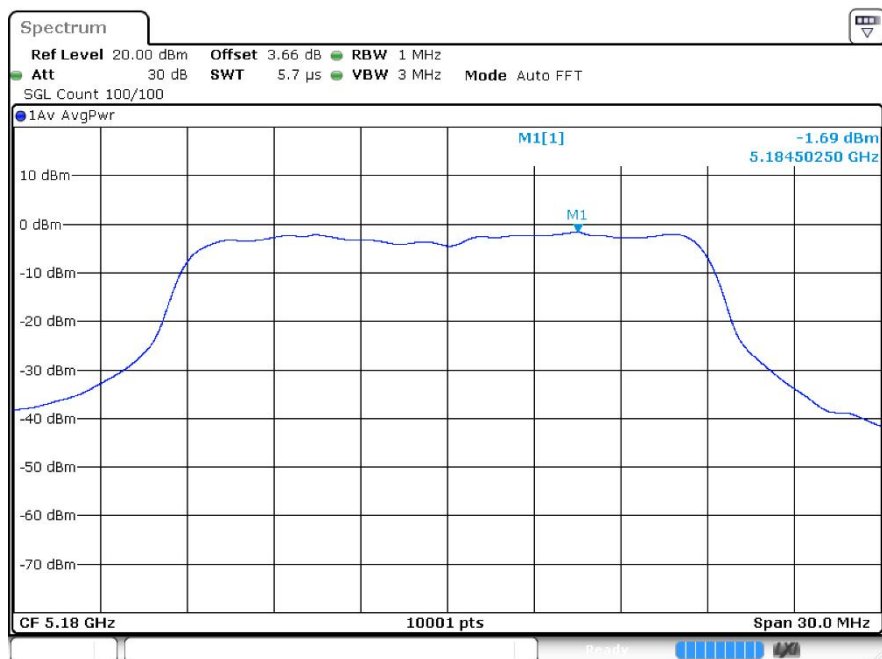
PSDn40 5190MHz Ant1



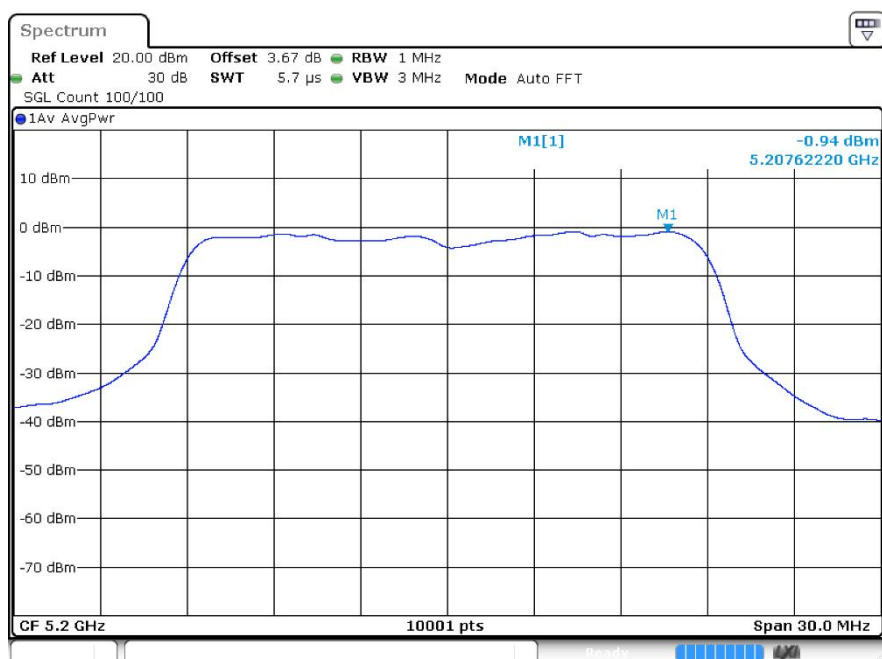
PSDn40 5230MHz Ant1



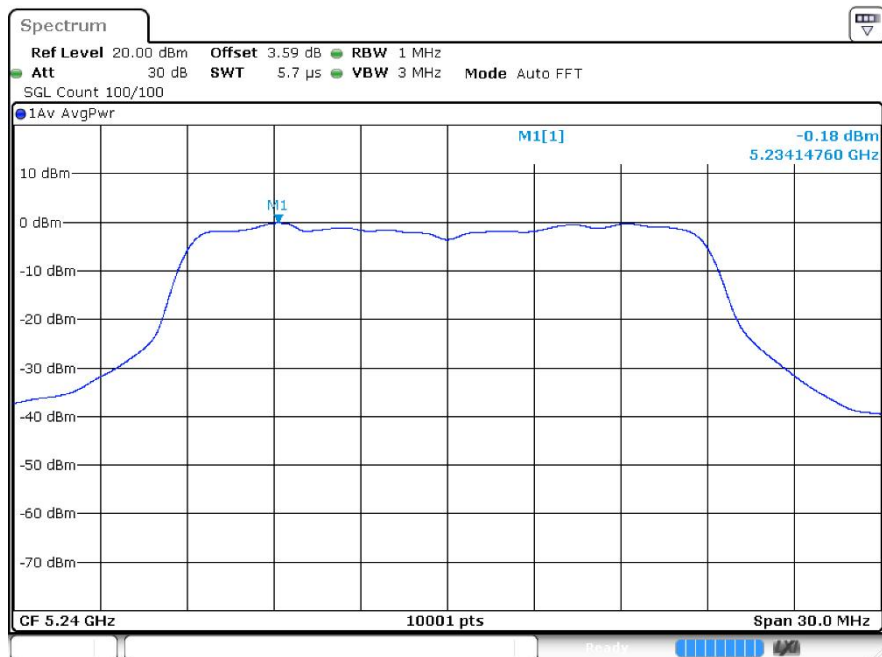
PSD ac20 5180MHz Ant1



PSD ac20 5200MHz Ant1



PSD ac20 5240MHz Ant1



PSDac40 5190MHz Ant1

