



Appendix D

RF Test Data for B1WIFI(Conducted Measurement)

Product Name: Laptop

Trade Mark: Blackview

Test Model: AceBook 6

Environmental Conditions

Temperature:	25.6° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Emiya lin
Supervised by:	Simba Haung



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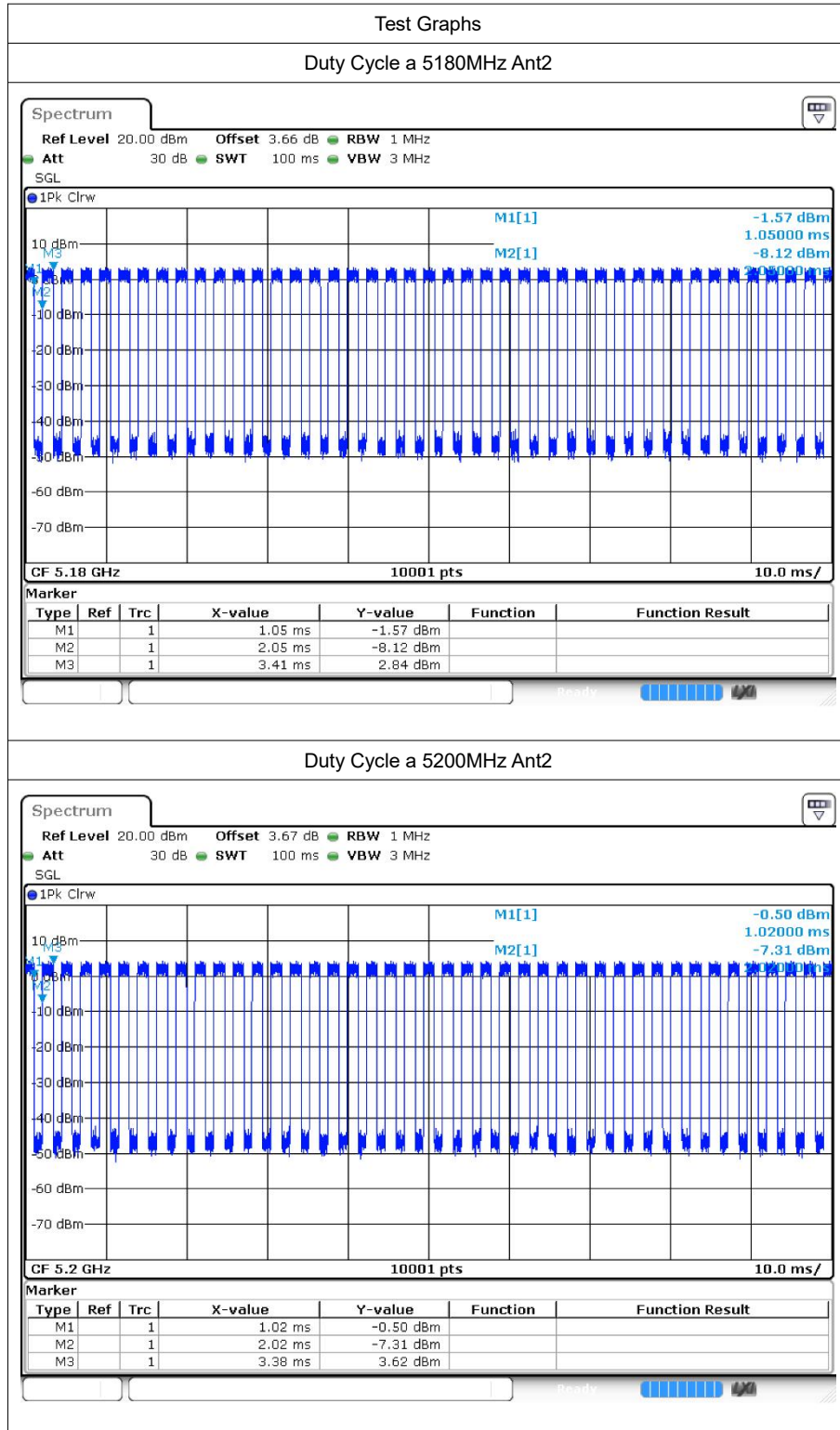


1 Duty Cycle

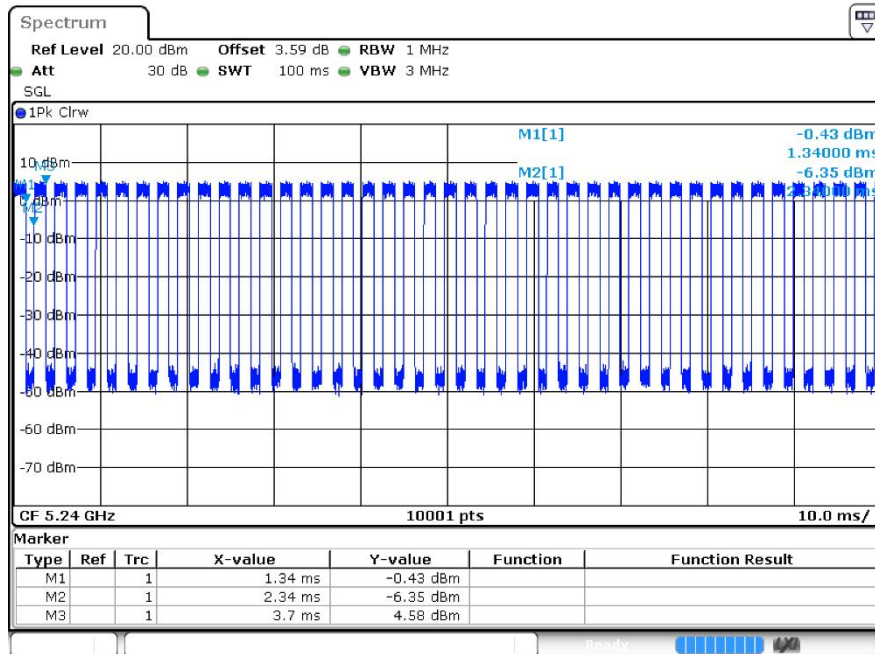
1.1 Test Result

Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
a	5180	Ant2	58.3	2.34	0.74
a	5200	Ant2	58.29	2.34	0.74
a	5240	Ant2	58.31	2.34	0.74
n20	5180	Ant2	56.31	2.49	0.79
n20	5200	Ant2	56.47	2.48	0.79
n20	5240	Ant2	56.32	2.49	0.79
n40	5190	Ant2	39.25	4.06	1.59
n40	5230	Ant2	39.39	4.05	1.56
ac20	5180	Ant2	56.34	2.49	0.78
ac20	5200	Ant2	56.39	2.49	0.78
ac20	5240	Ant2	56.3	2.49	0.78
ac40	5190	Ant2	39.48	4.04	1.56
ac40	5230	Ant2	39.49	4.04	1.56
ac80	5210	Ant2	42.71	3.7	1.37

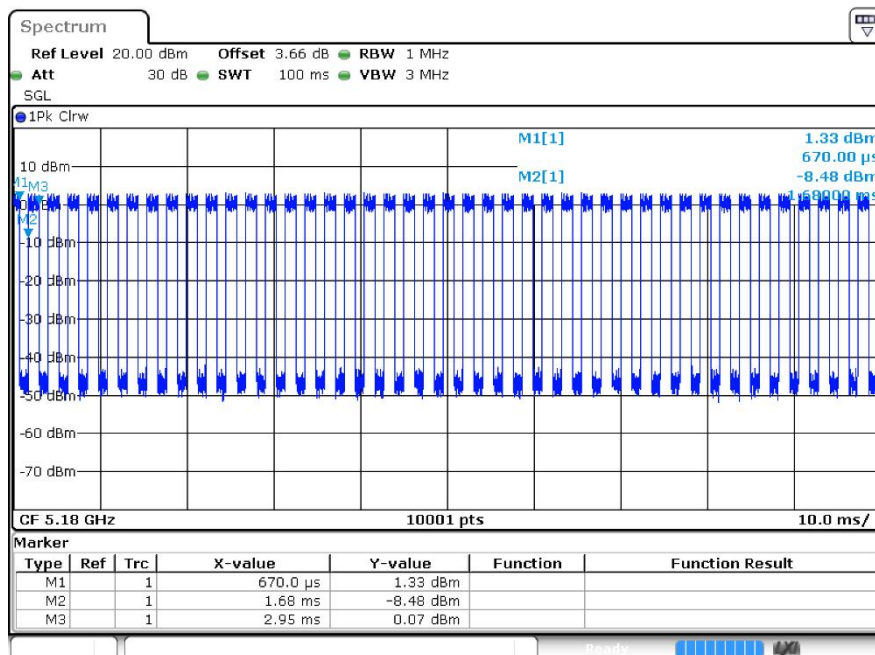
1.2 Test Graphs



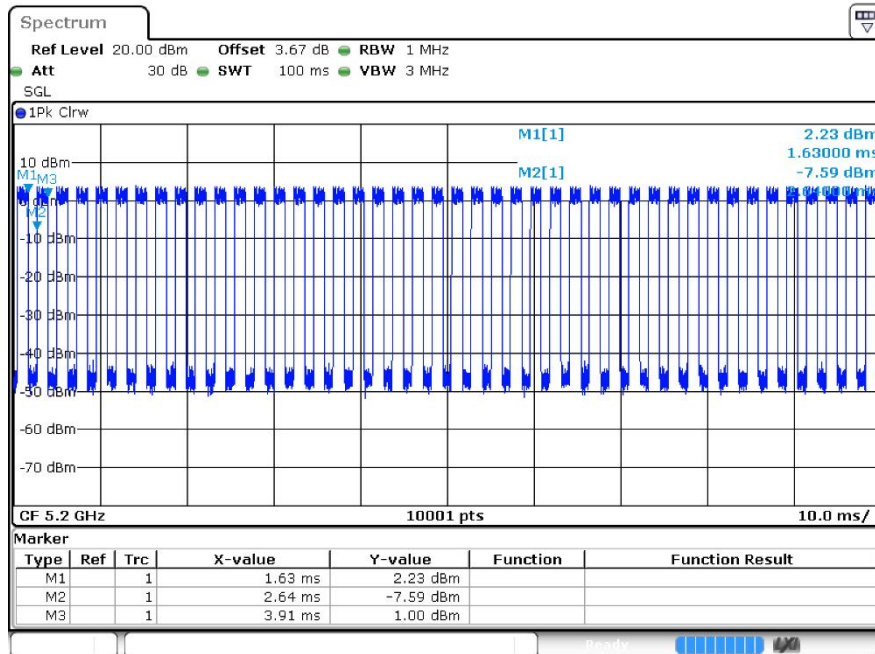
Duty Cycle a 5240MHz Ant2



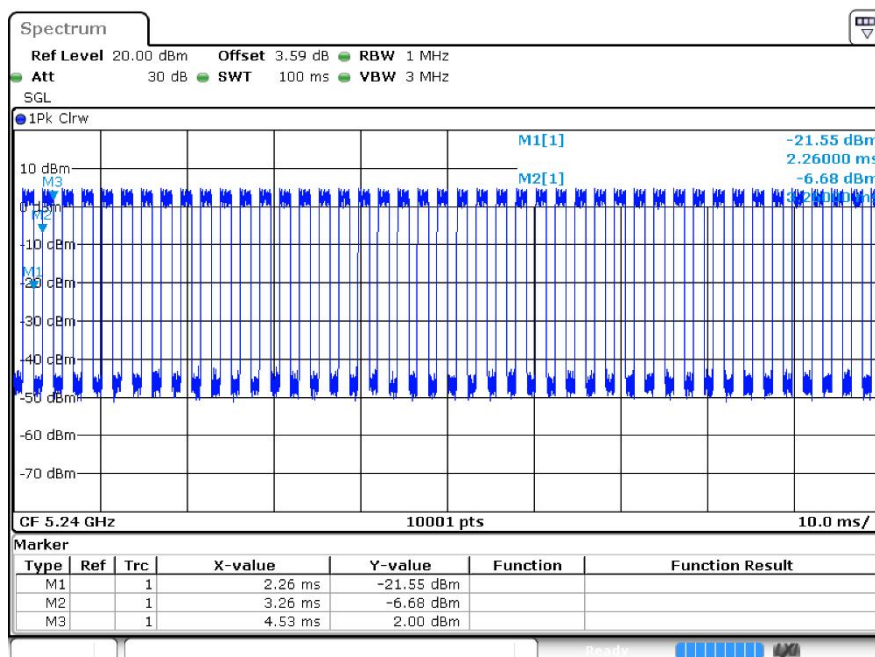
Duty Cycle n20 5180MHz Ant2



Duty Cycle n20 5200MHz Ant2



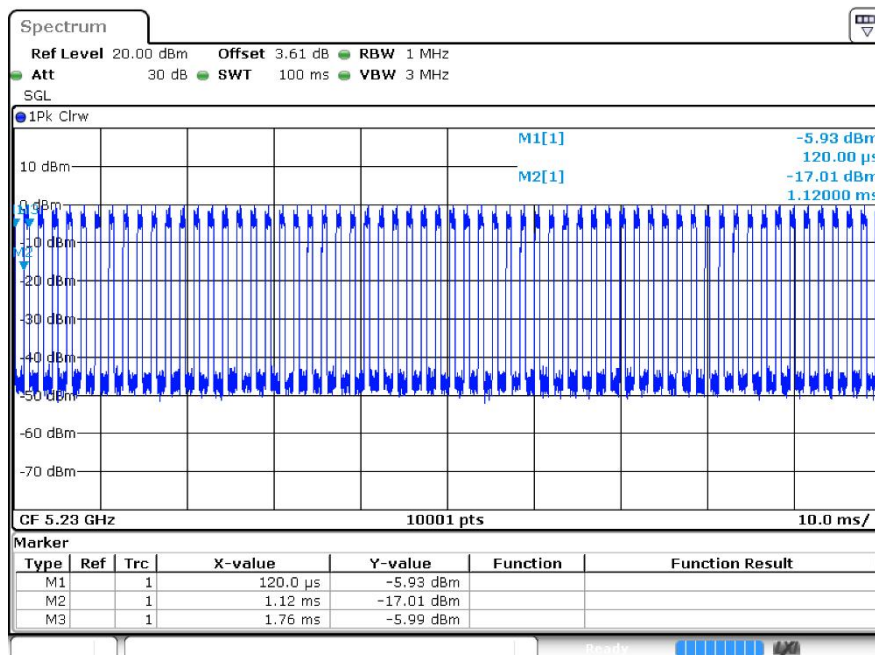
Duty Cycle n20 5240MHz Ant2



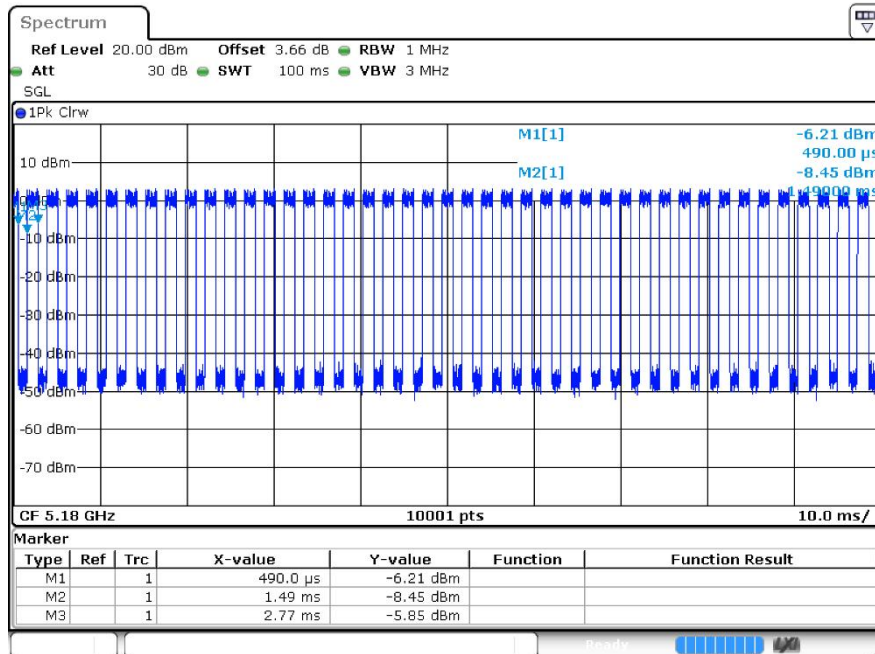
Duty Cycle n40 5190MHz Ant2



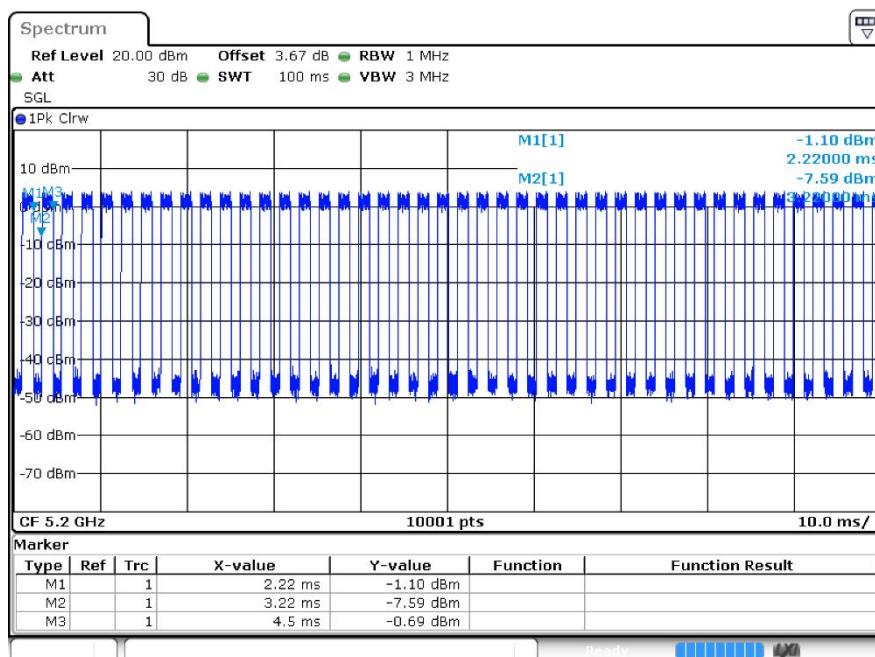
Duty Cycle n40 5230MHz Ant2



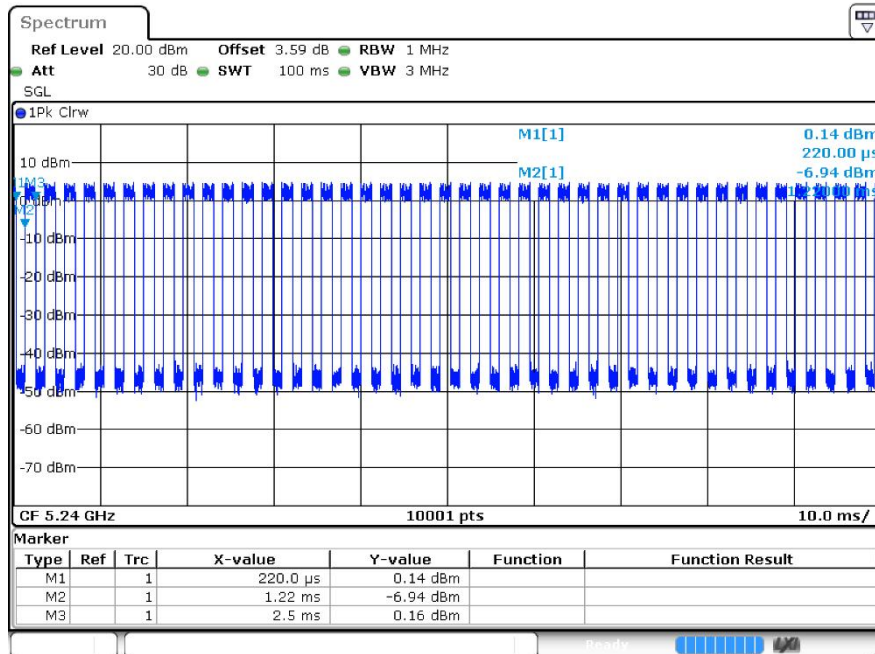
Duty Cycle ac20 5180MHz Ant2



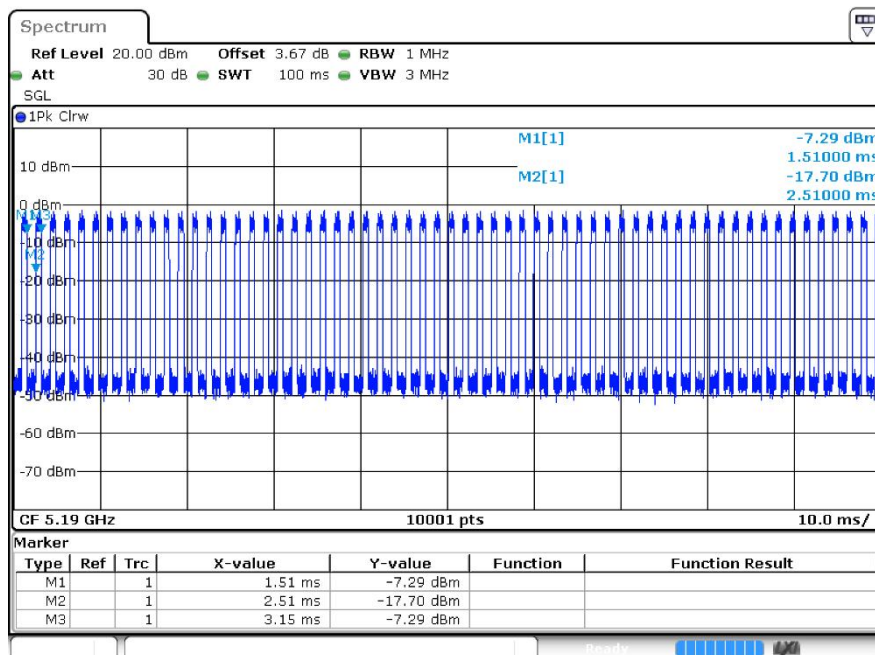
Duty Cycle ac20 5200MHz Ant2



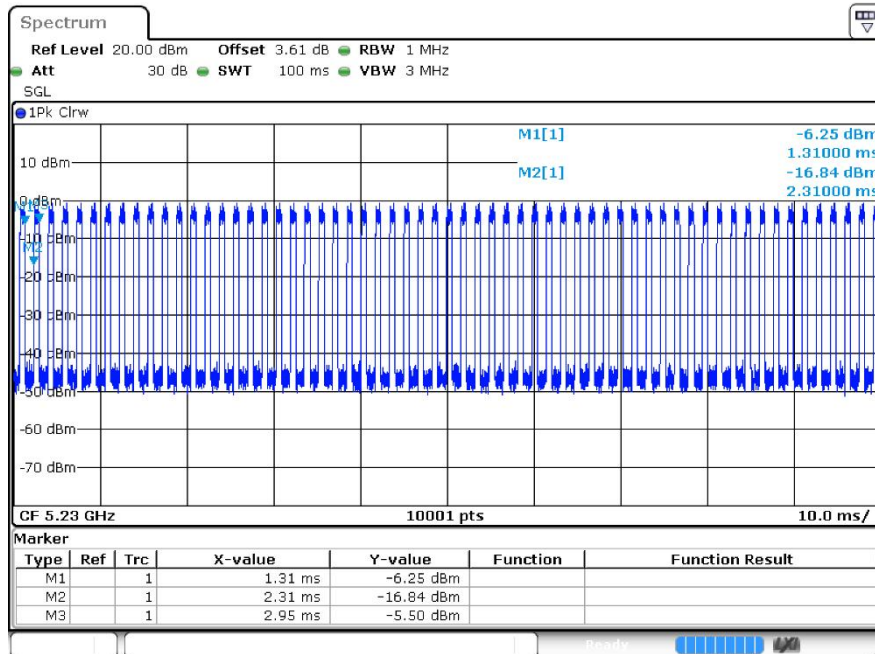
Duty Cycle ac20 5240MHz Ant2



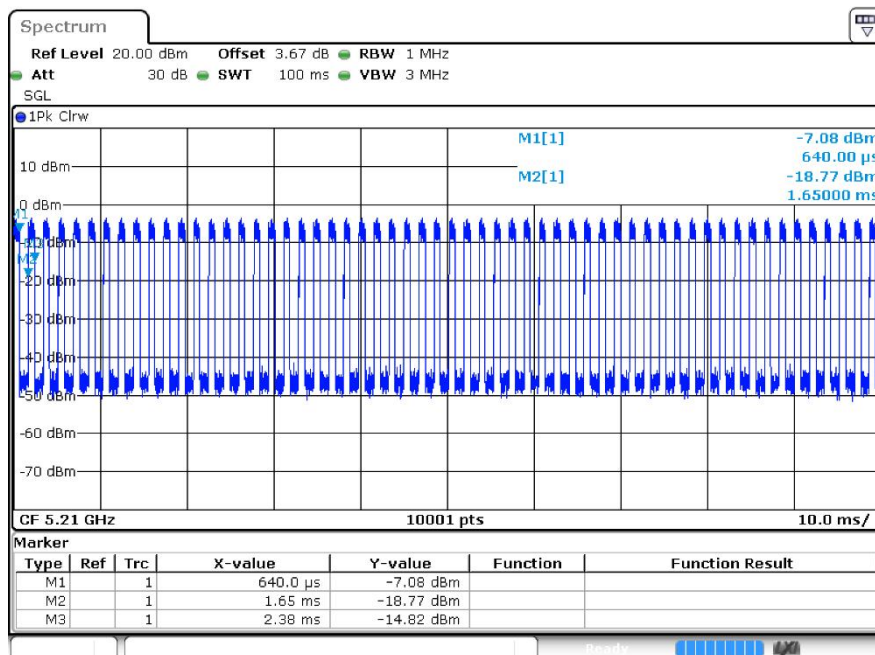
Duty Cycle ac40 5190MHz Ant2



Duty Cycle ac40 5230MHz Ant2



Duty Cycle ac80 5210MHz Ant2



2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
a	5180	Ant2	13.31	24	Pass
a	5200	Ant2	14.07	24	Pass
a	5240	Ant2	15.06	24	Pass
n20	5180	Ant2	12.92	24	Pass
n20	5200	Ant2	13.60	24	Pass
n20	5240	Ant2	14.62	24	Pass
n40	5190	Ant2	13.15	24	Pass
n40	5230	Ant2	14.27	24	Pass
ac20	5180	Ant2	12.85	24	Pass
ac20	5200	Ant2	13.69	24	Pass
ac20	5240	Ant2	14.60	24	Pass
ac40	5190	Ant2	13.24	24	Pass
ac40	5230	Ant2	14.31	24	Pass
ac80	5210	Ant2	13.20	24	Pass

Note:

The duty factor has been compensated into the result.

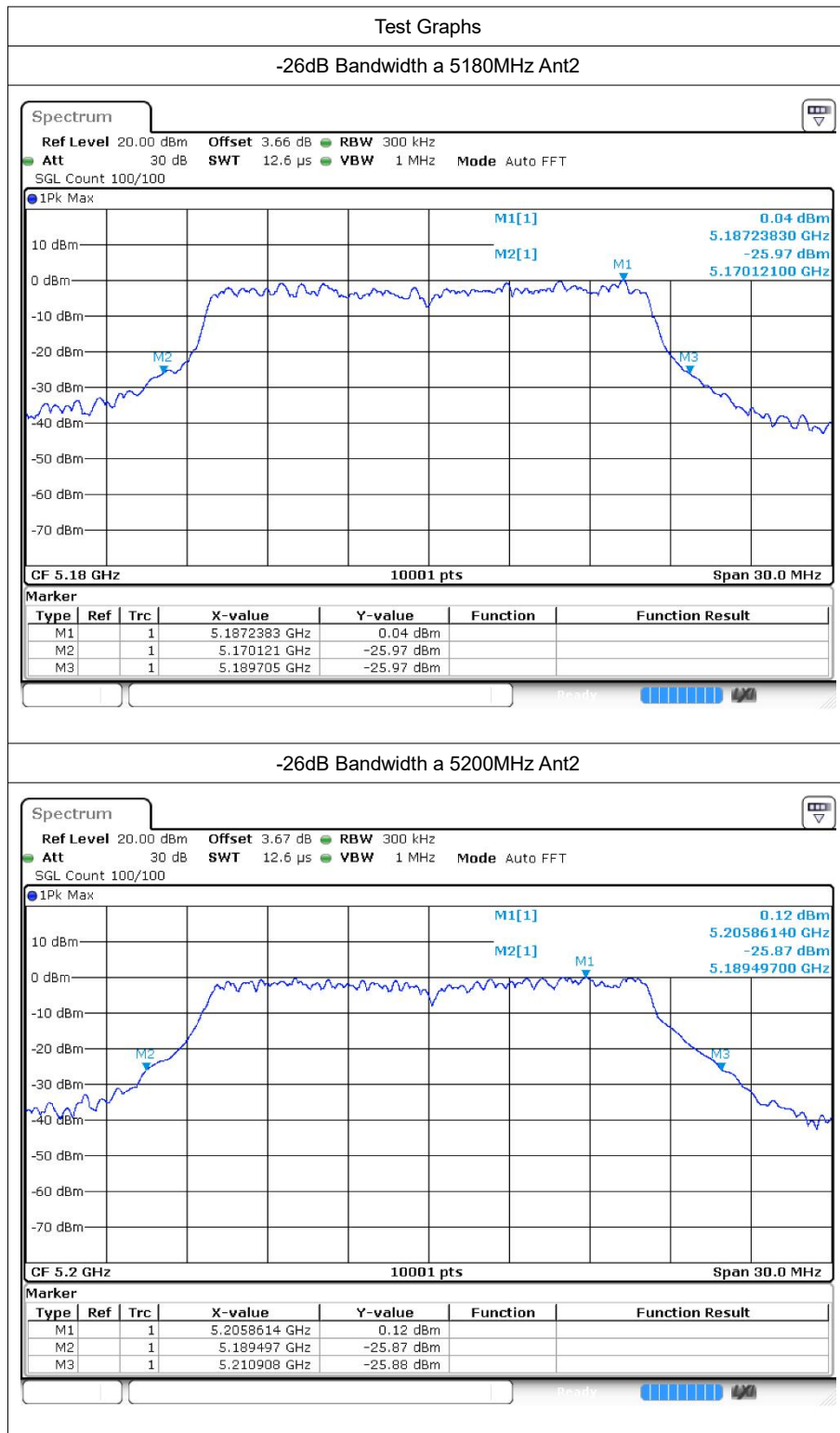


3 -26dB Bandwidth

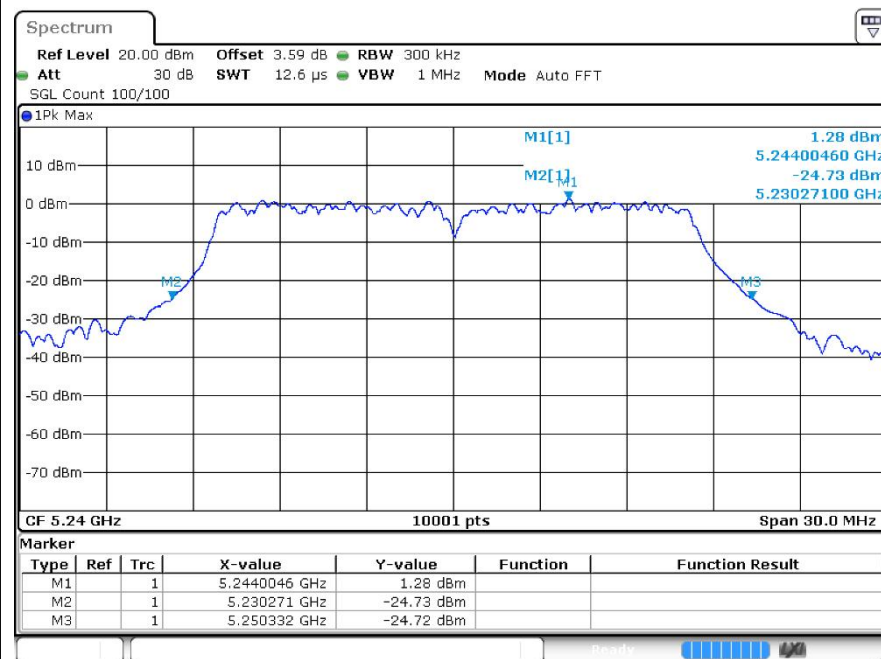
3.1 Test Result

Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
a	5180	Ant2	19.584	0.5	Pass
a	5200	Ant2	21.411	0.5	Pass
a	5240	Ant2	20.061	0.5	Pass
n20	5180	Ant2	20.781	0.5	Pass
n20	5200	Ant2	20.811	0.5	Pass
n20	5240	Ant2	20.679	0.5	Pass
n40	5190	Ant2	40.452	0.5	Pass
n40	5230	Ant2	40.578	0.5	Pass
ac20	5180	Ant2	20.397	0.5	Pass
ac20	5200	Ant2	20.865	0.5	Pass
ac20	5240	Ant2	21.222	0.5	Pass
ac40	5190	Ant2	40.578	0.5	Pass
ac40	5230	Ant2	40.536	0.5	Pass
ac80	5210	Ant2	78.264	0.5	Pass

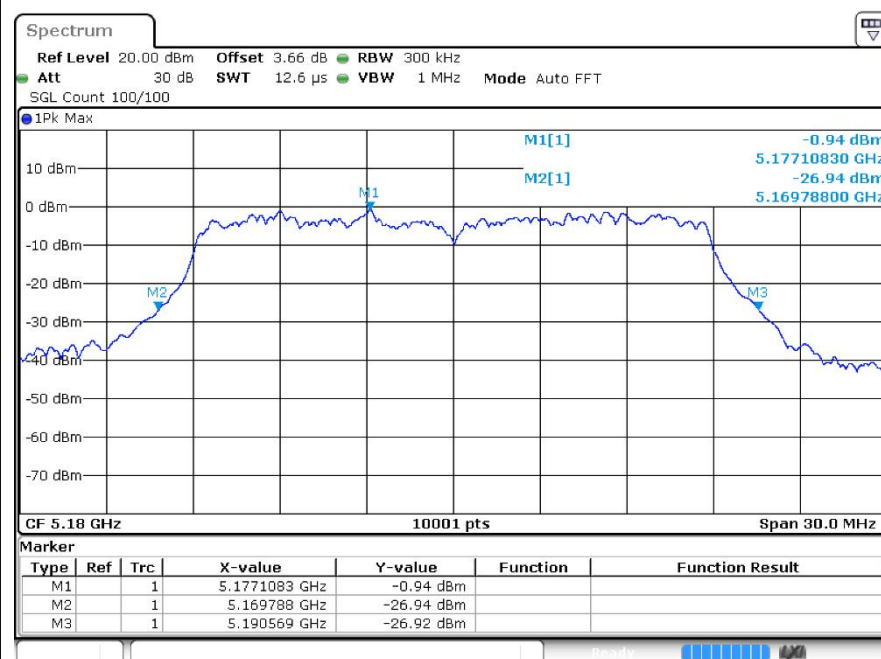
3.2 Test Graphs



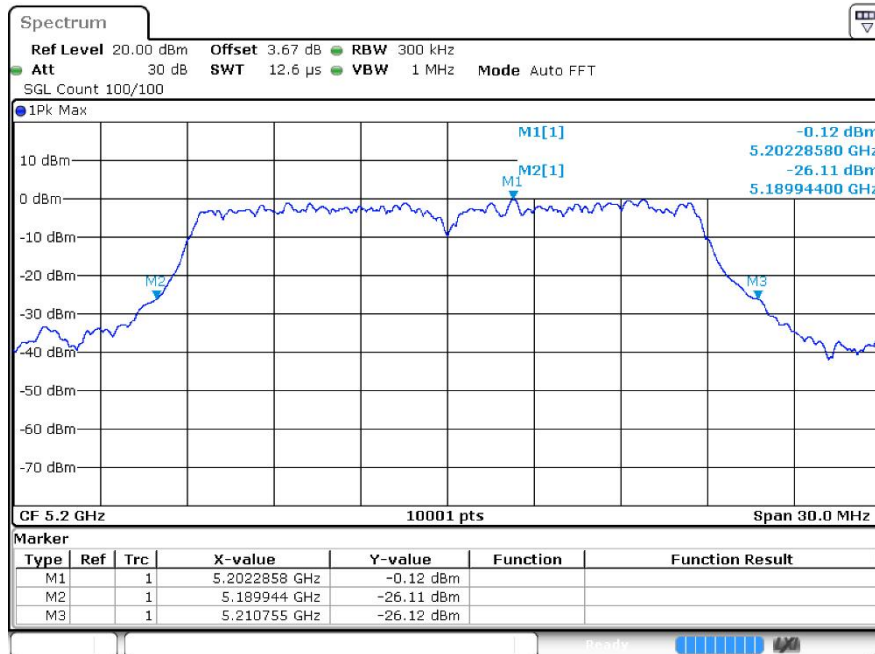
-26dB Bandwidth a 5240MHz Ant2



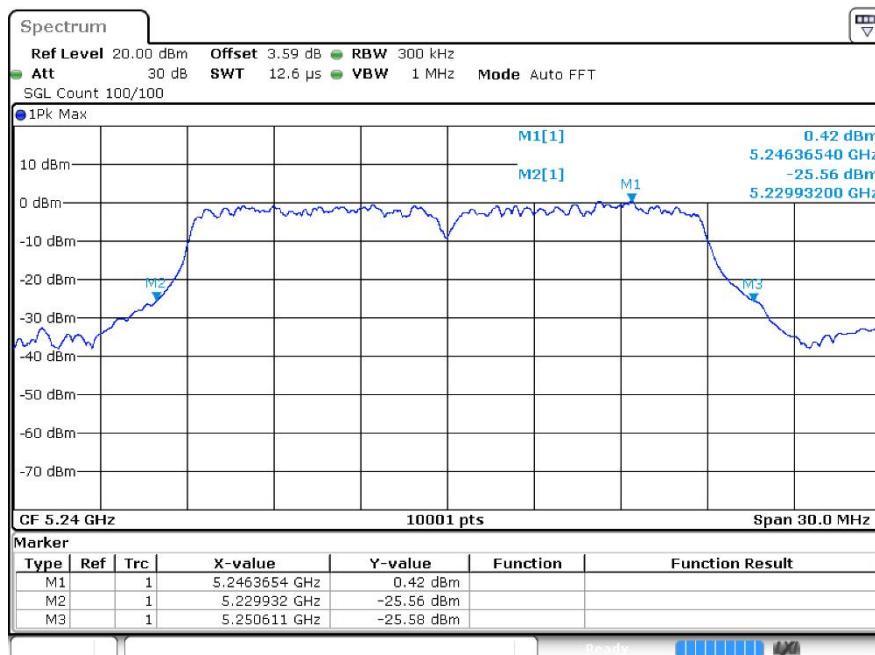
-26dB Bandwidth n20 5180MHz Ant2



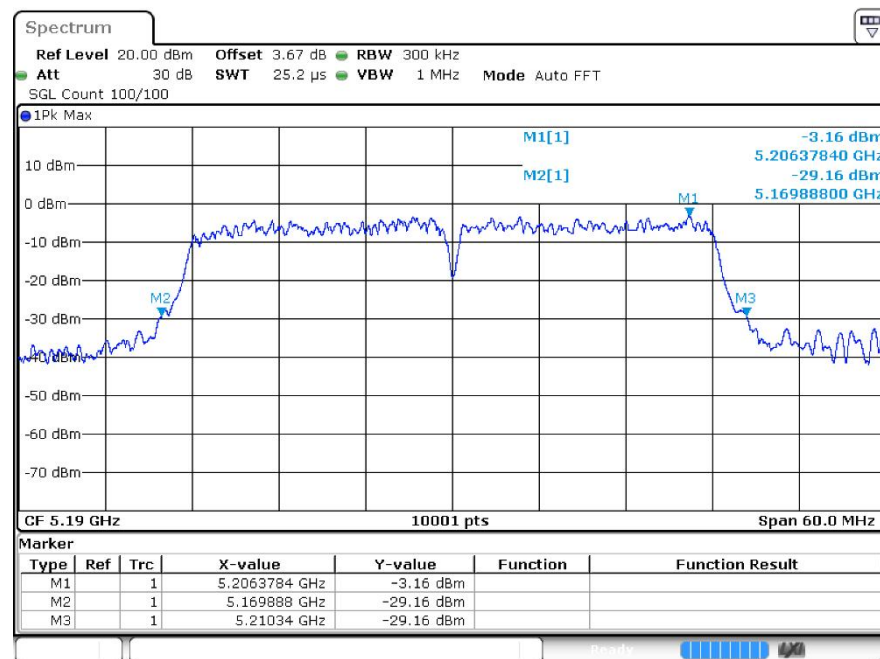
-26dB Bandwidth n20 5200MHz Ant2



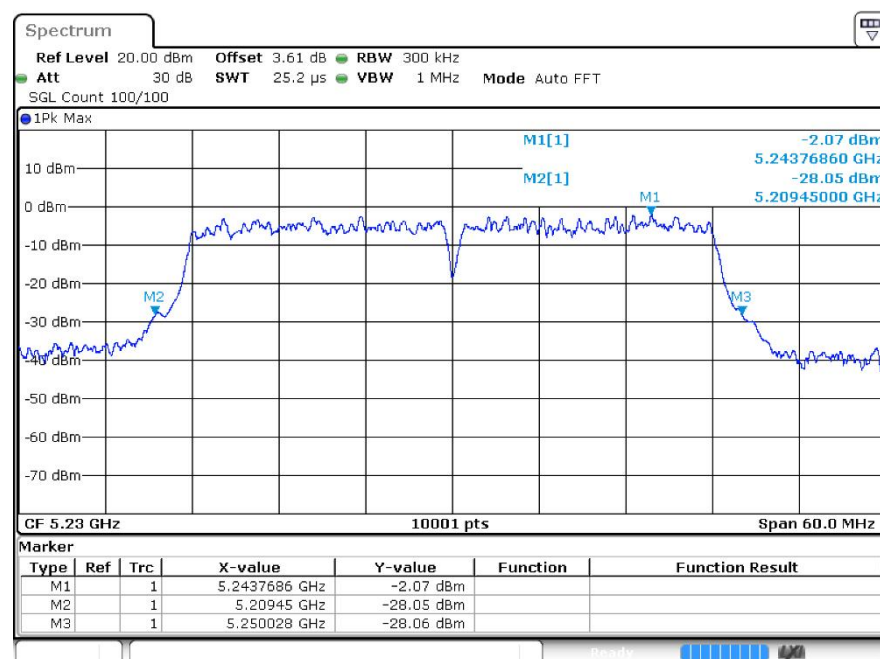
-26dB Bandwidth n20 5240MHz Ant2



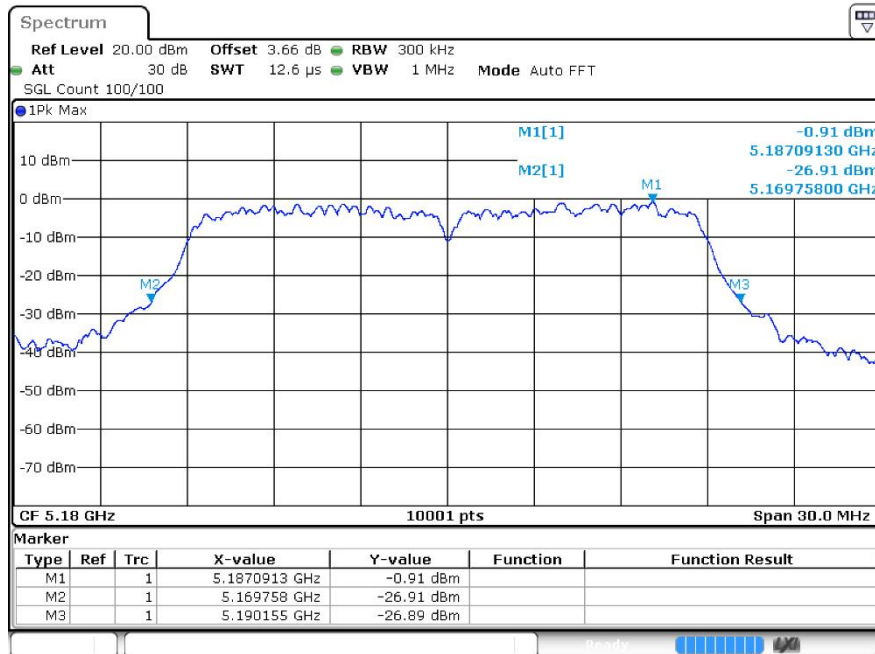
-26dB Bandwidth n40 5190MHz Ant2



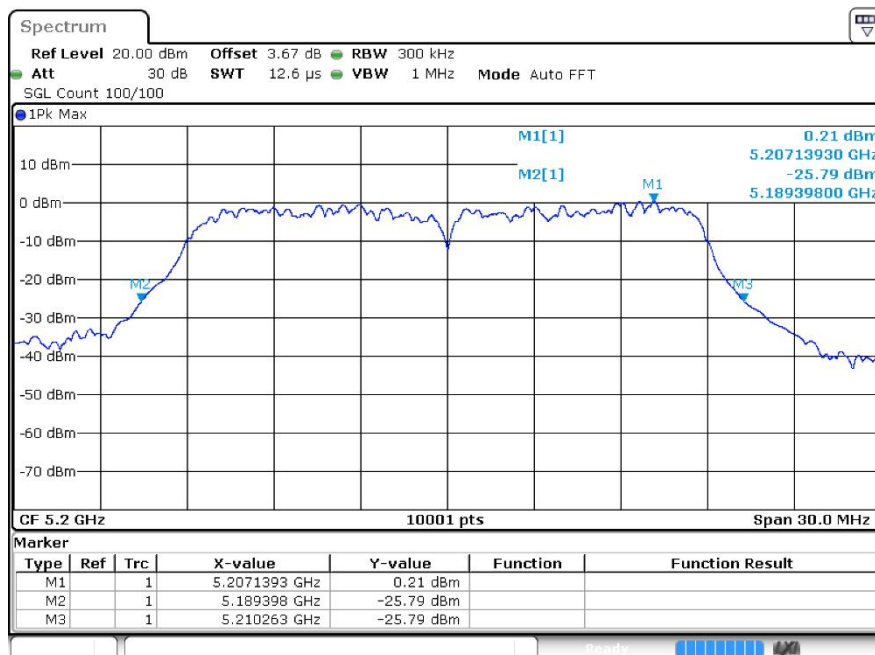
-26dB Bandwidth n40 5230MHz Ant2



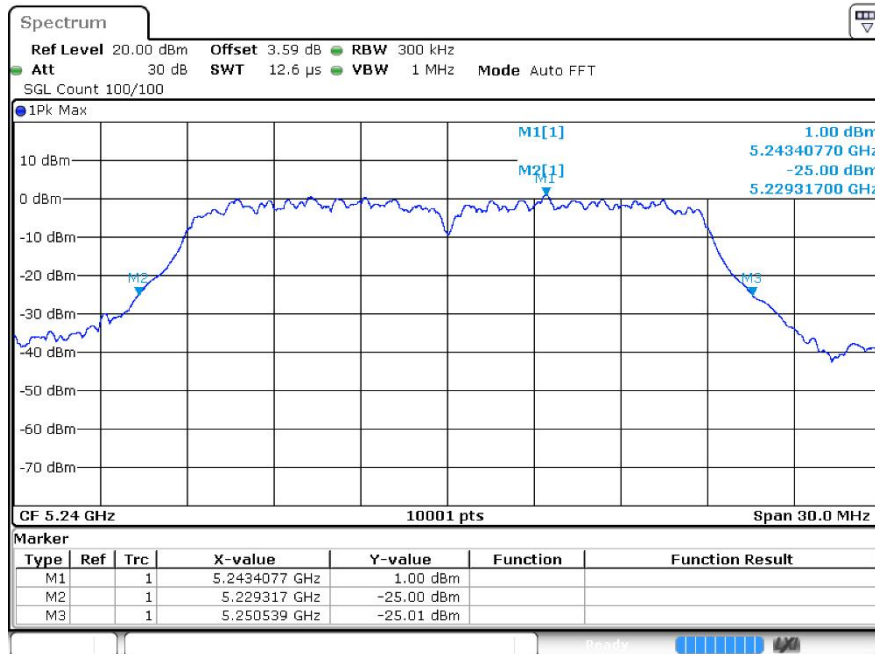
-26dB Bandwidth ac20 5180MHz Ant2



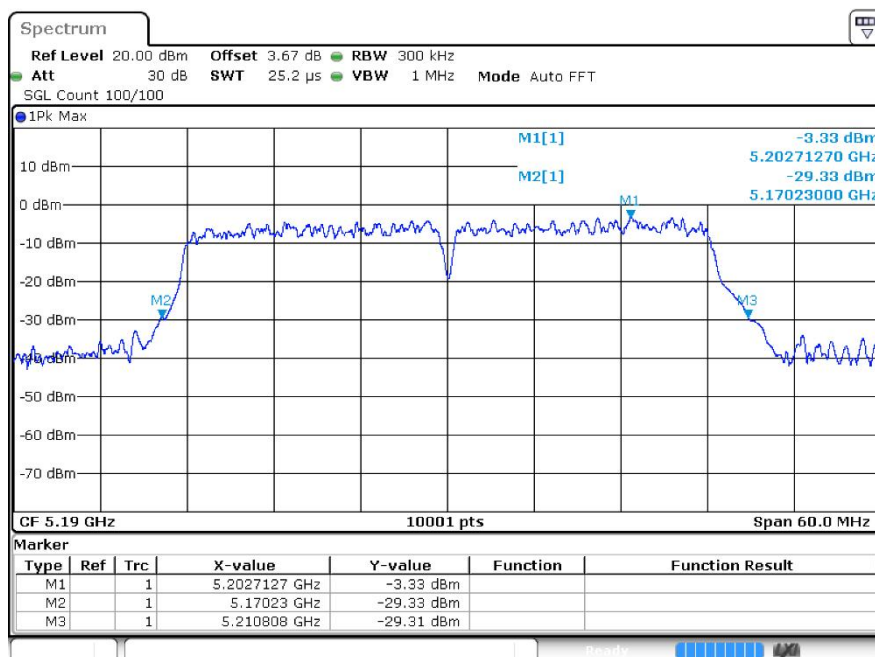
-26dB Bandwidth ac20 5200MHz Ant2



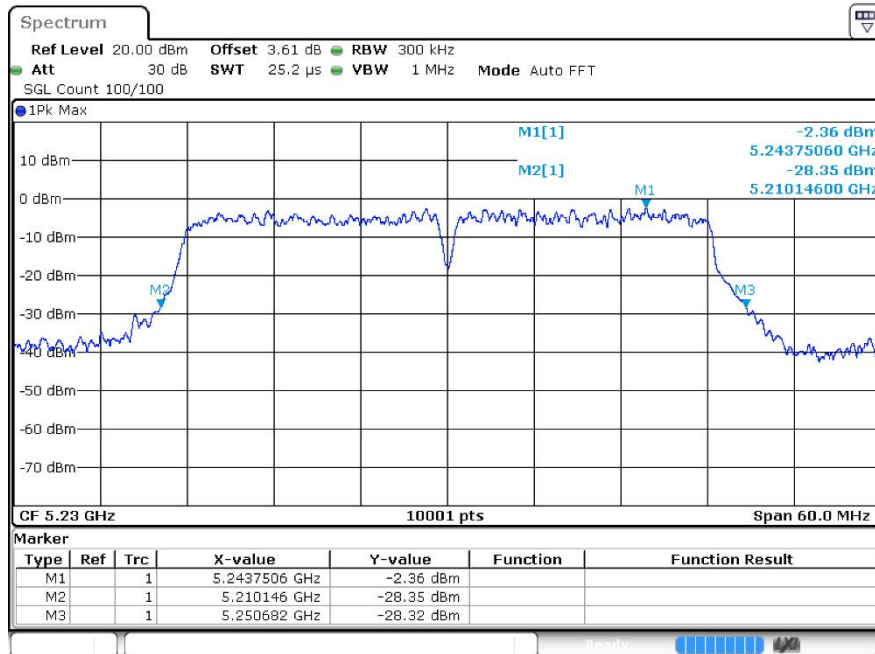
-26dB Bandwidth ac20 5240MHz Ant2



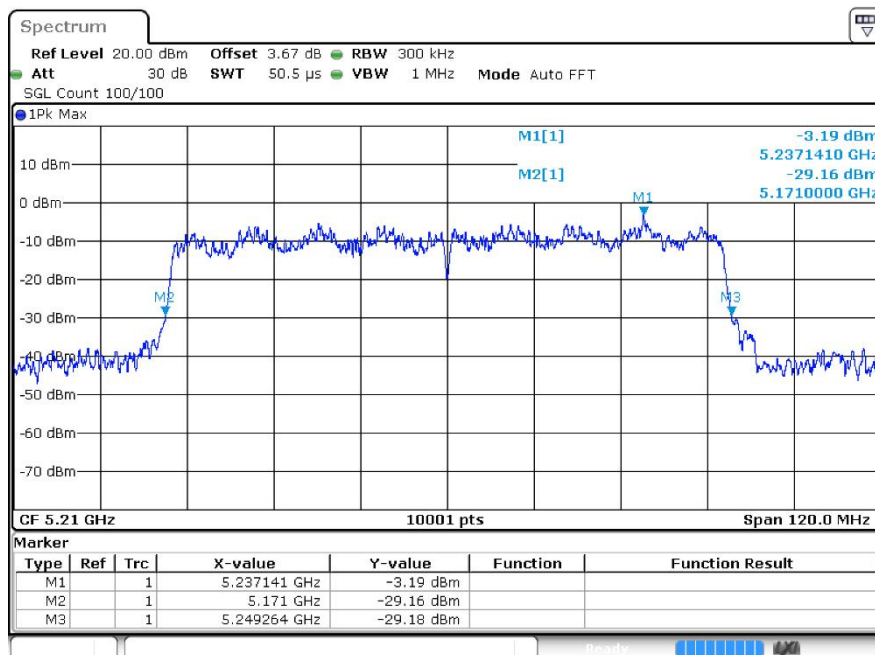
-26dB Bandwidth ac40 5190MHz Ant2



-26dB Bandwidth ac40 5230MHz Ant2



-26dB Bandwidth ac80 5210MHz Ant2



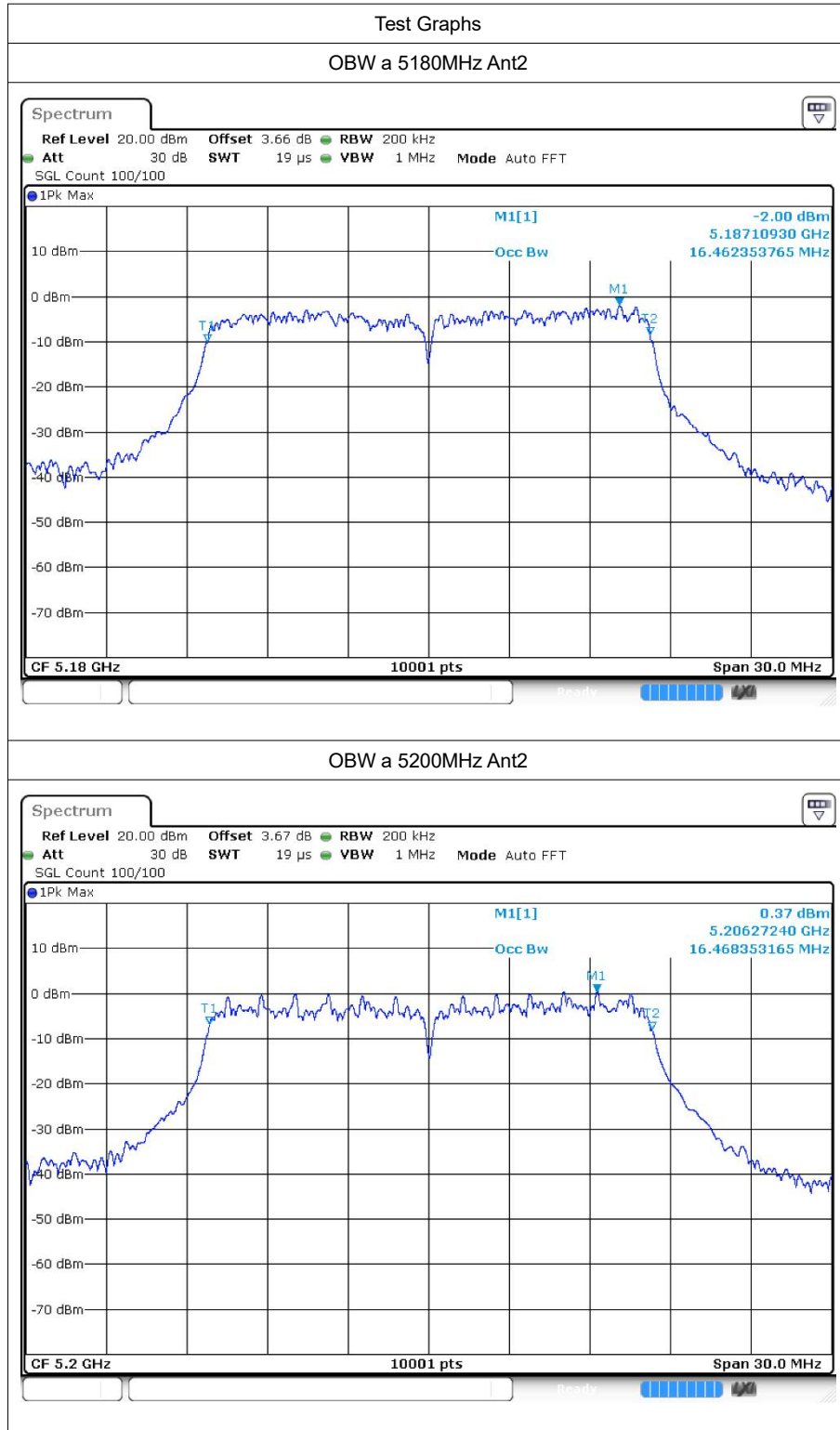


4 Occupied Channel Bandwidth

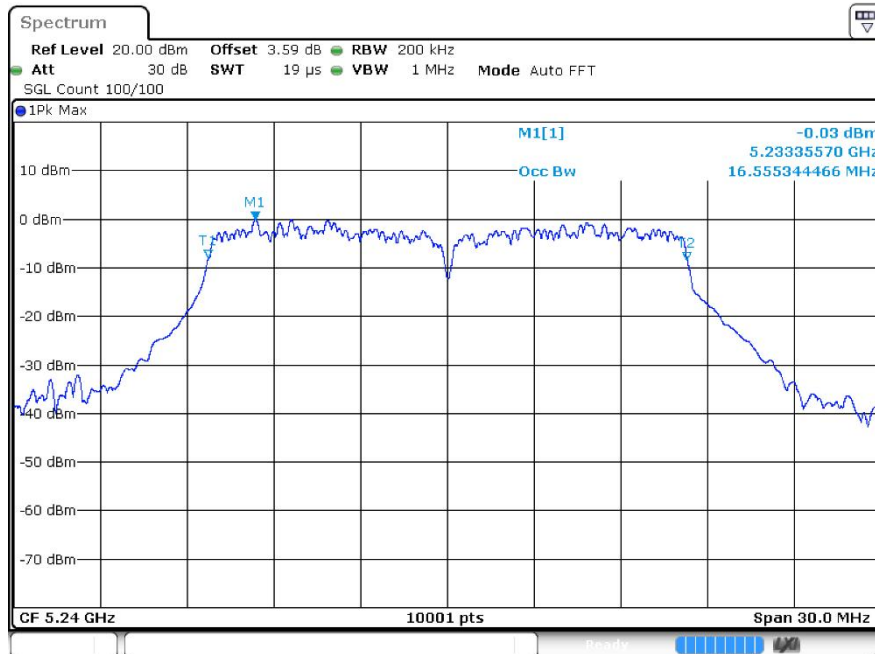
4.1 Test Result

Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
a	5180	Ant2	16.462
a	5200	Ant2	16.468
a	5240	Ant2	16.555
n20	5180	Ant2	17.59
n20	5200	Ant2	17.617
n20	5240	Ant2	17.548
n40	5190	Ant2	36.104
n40	5230	Ant2	36.044
ac20	5180	Ant2	17.614
ac20	5200	Ant2	17.653
ac20	5240	Ant2	17.641
ac40	5190	Ant2	36.134
ac40	5230	Ant2	36.524
ac80	5210	Ant2	75.292

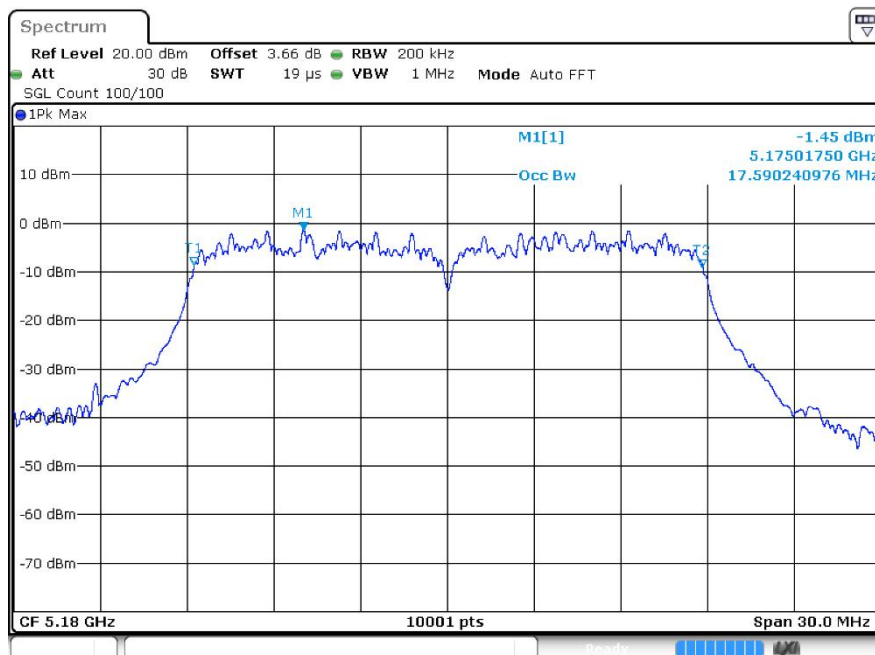
4.2 Test Graphs



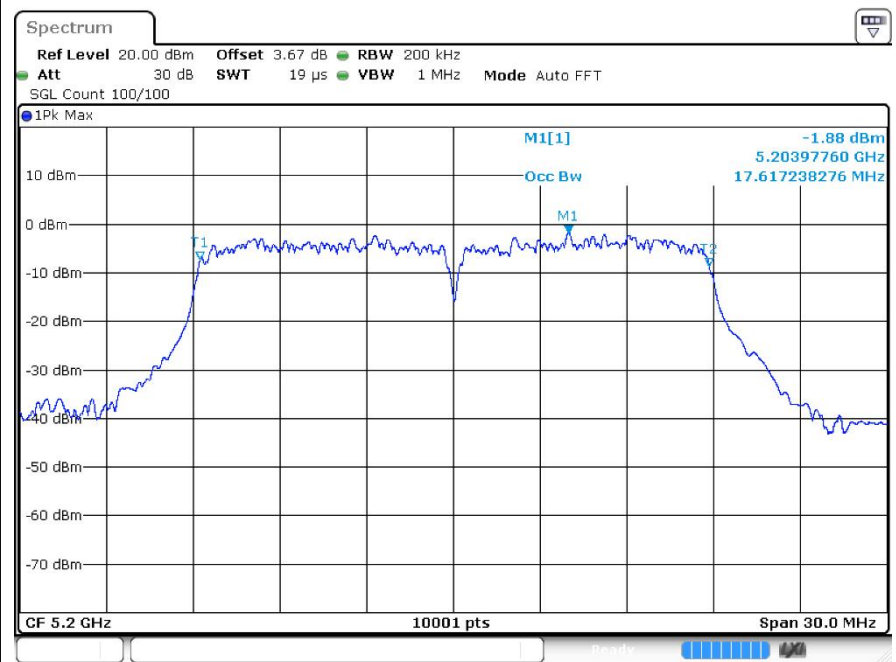
OBW a 5240MHz Ant2



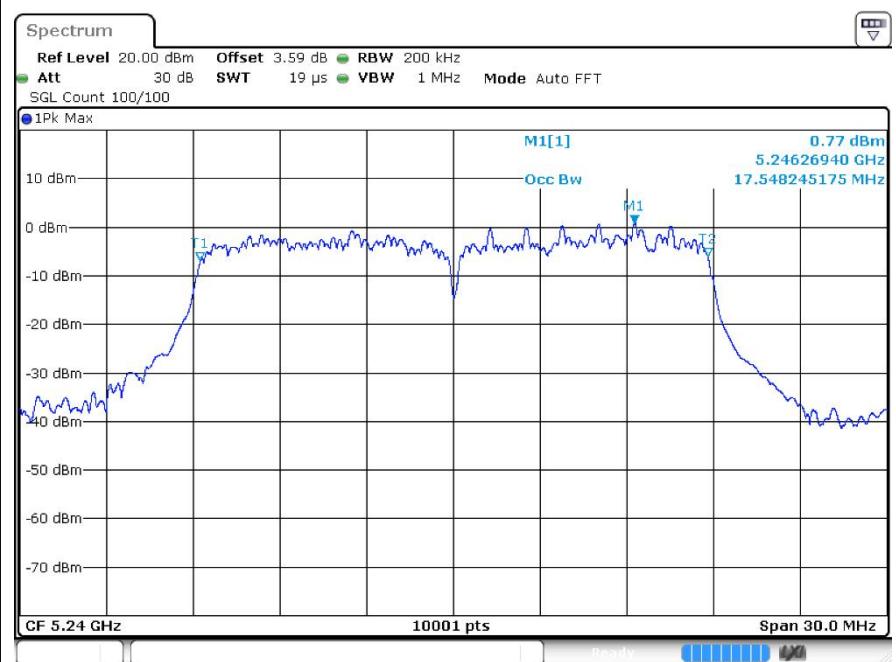
OBW n20 5180MHz Ant2



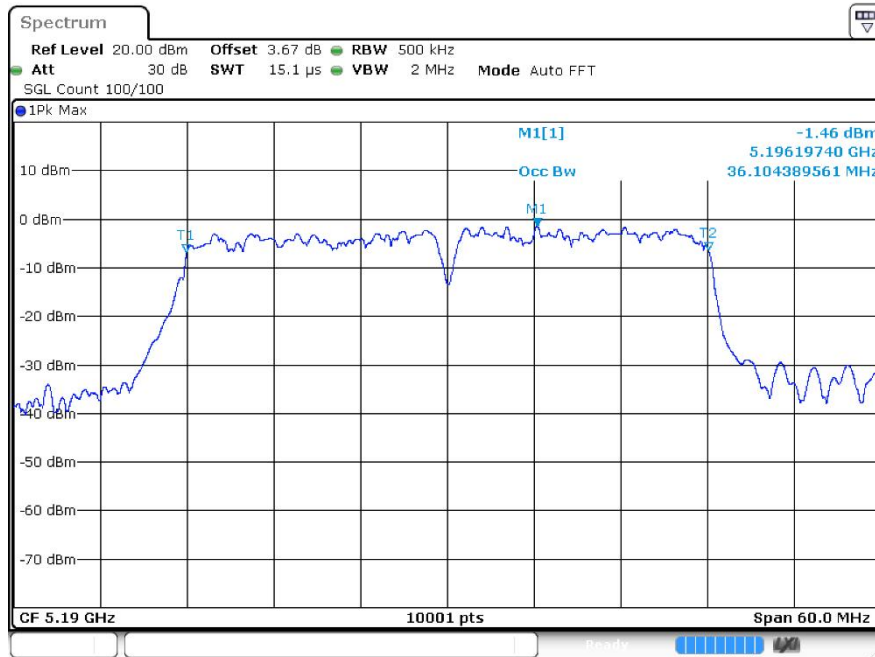
OBW n20 5200MHz Ant2



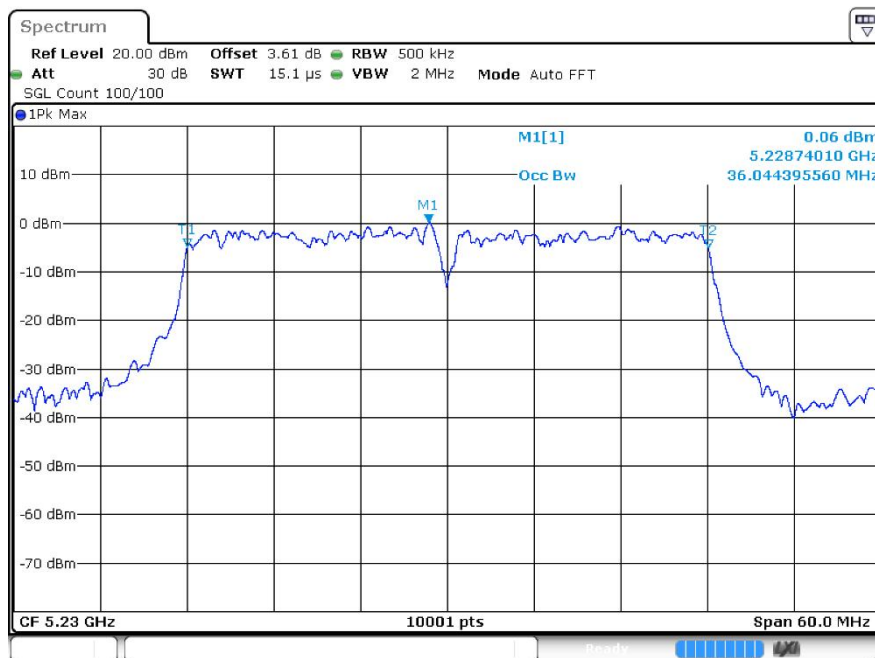
OBW n20 5240MHz Ant2



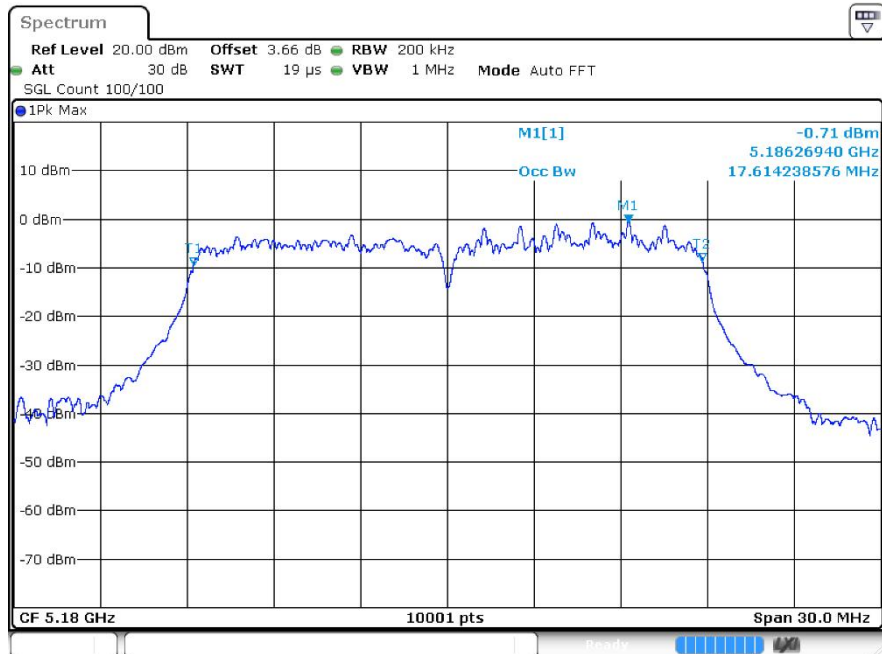
OBW n40 5190MHz Ant2



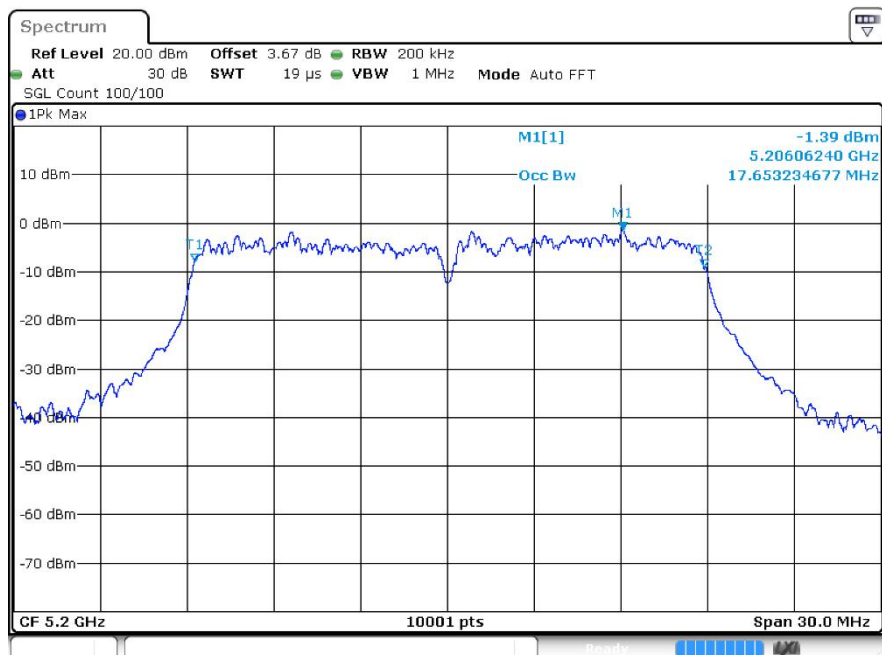
OBW n40 5230MHz Ant2



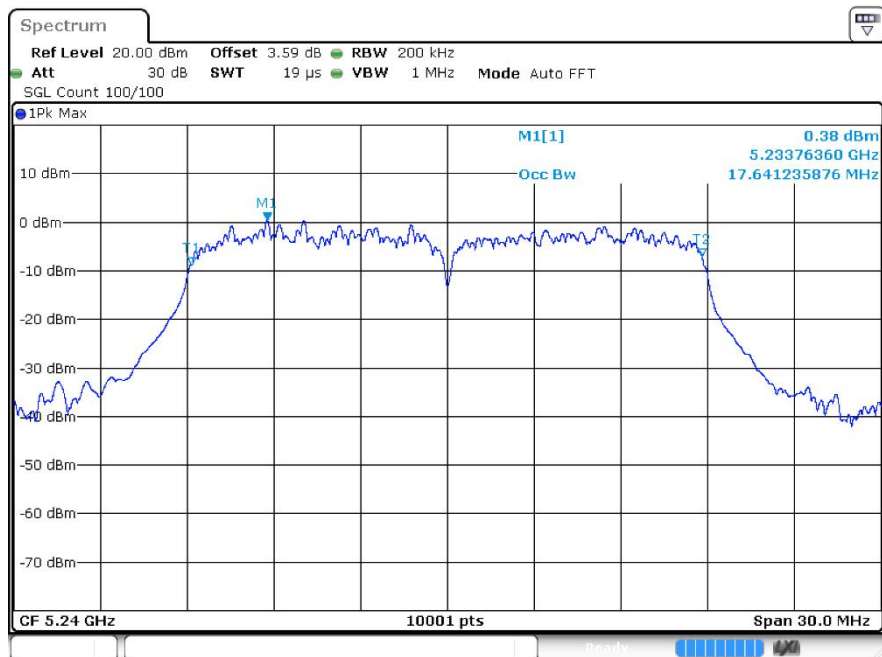
OBW ac20 5180MHz Ant2



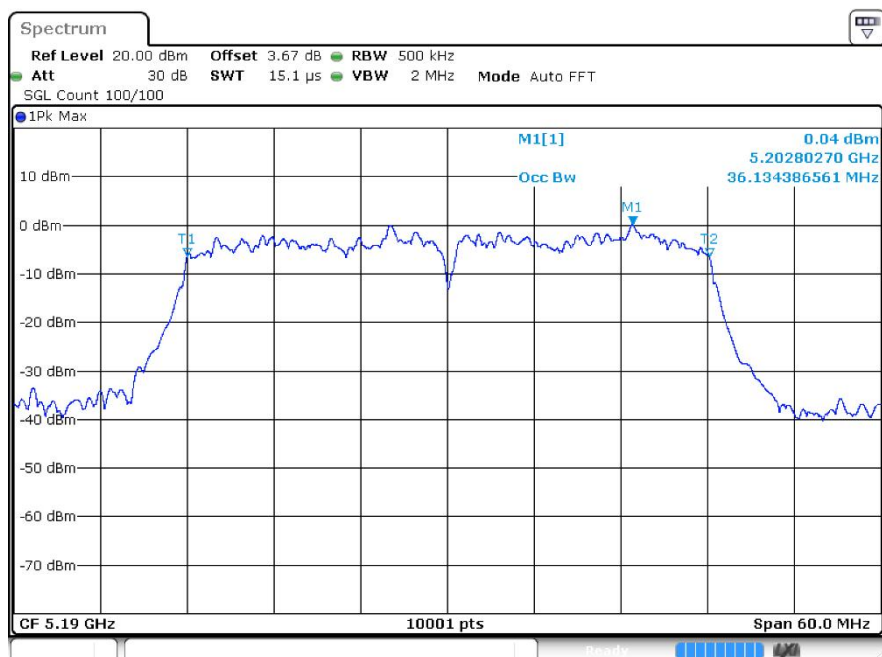
OBW ac20 5200MHz Ant2



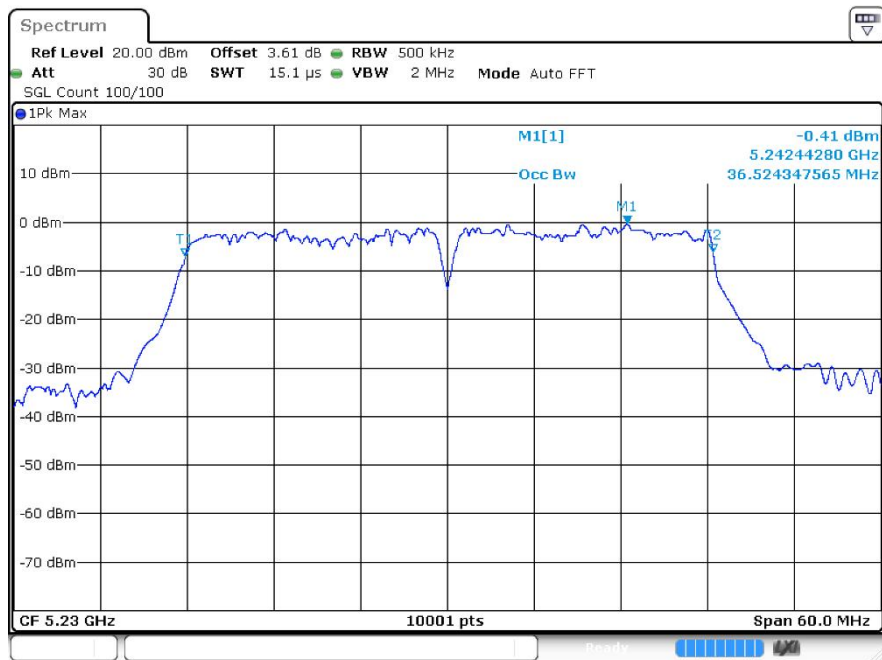
OBW ac20 5240MHz Ant2



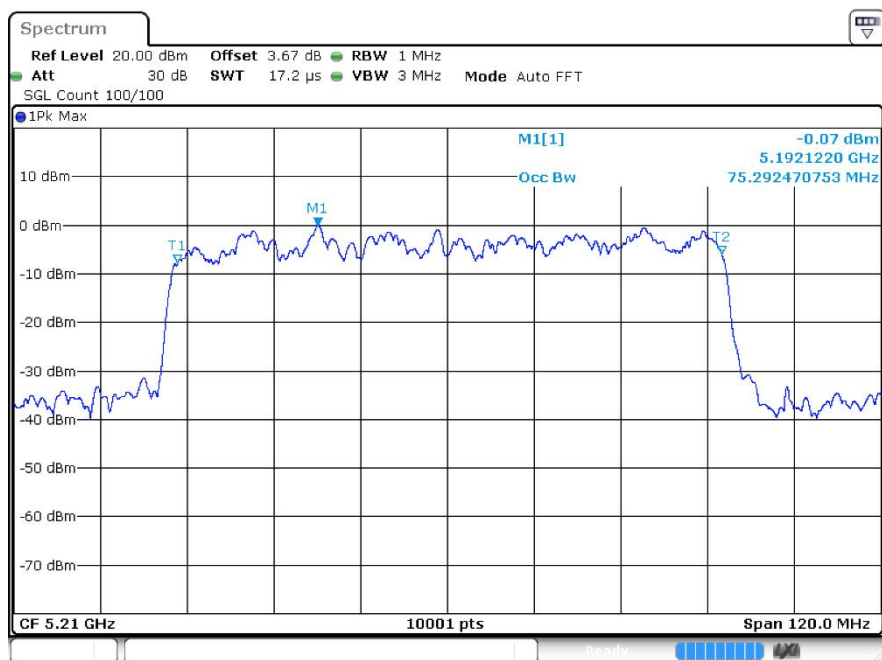
OBW ac40 5190MHz Ant2



OBW ac40 5230MHz Ant2



OBW ac80 5210MHz Ant2

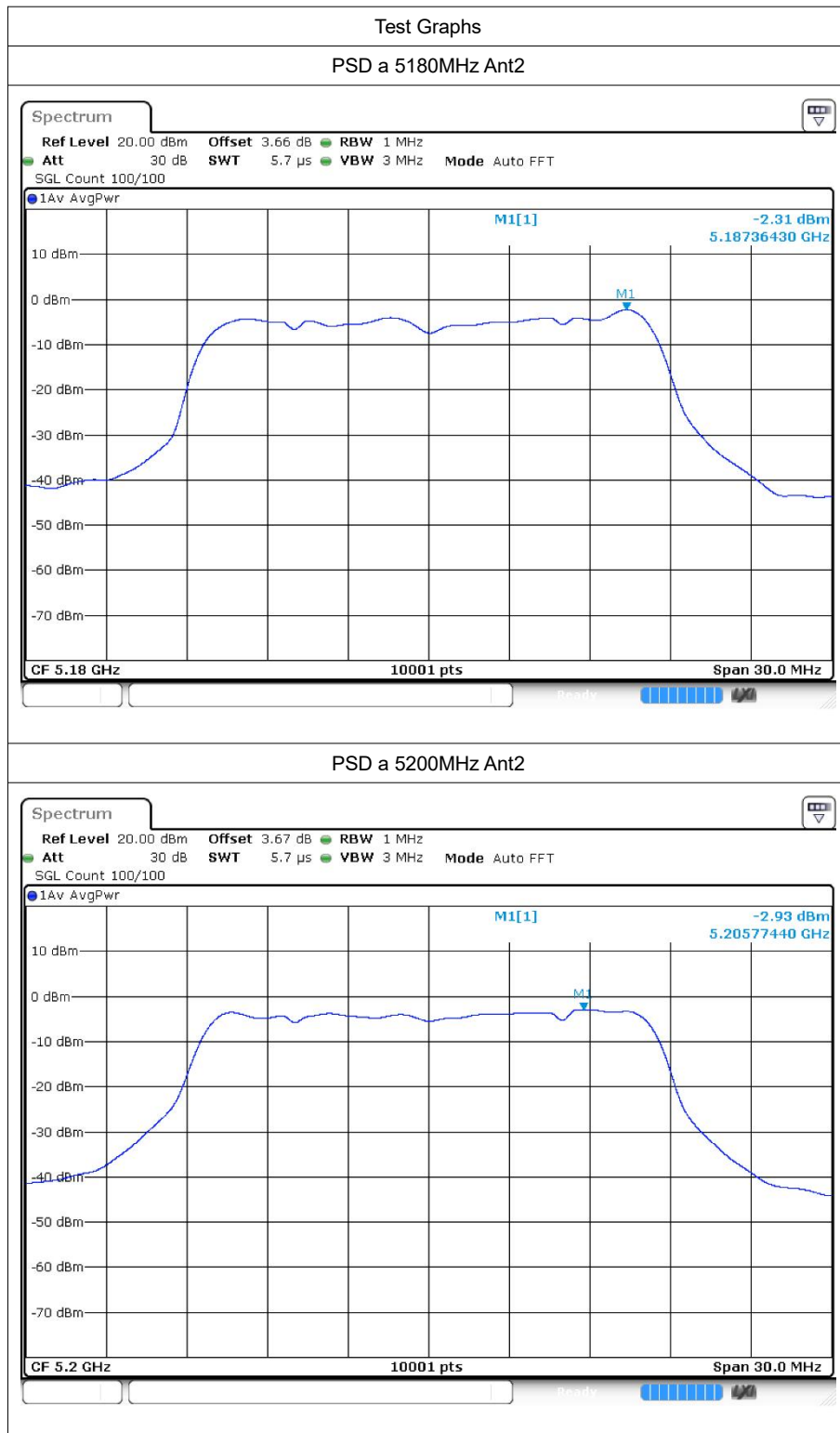


5 Maximum Power Spectral Density Level

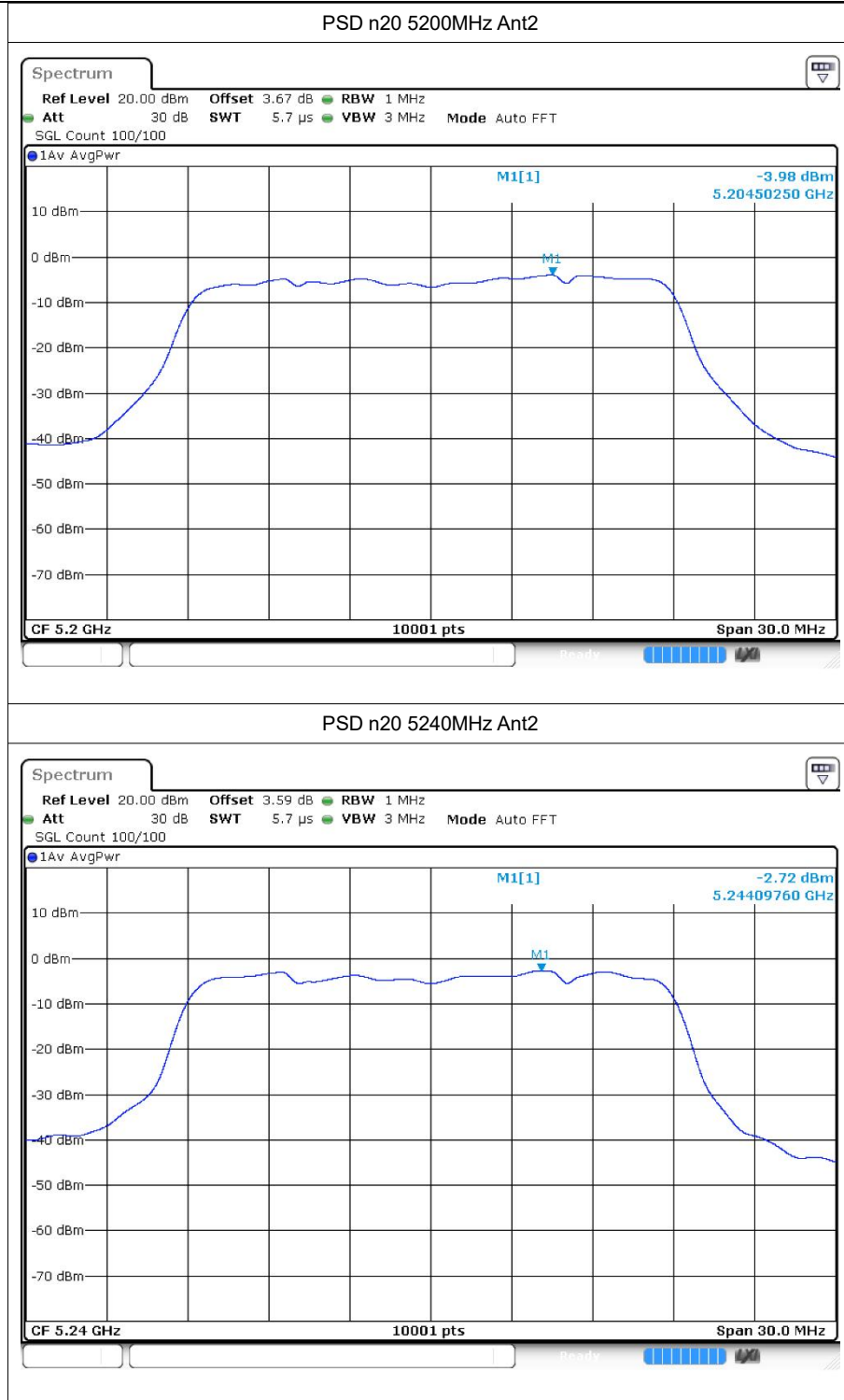
5.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
a	5180	Ant2	-2.31	2.34	0.029999999999999998	11	Pass
a	5200	Ant2	-2.93	2.34	-0.59	11	Pass
a	5240	Ant2	-1.54	2.34	0.8	11	Pass
n20	5180	Ant2	-4.89	2.49	-2.4	11	Pass
n20	5200	Ant2	-3.98	2.48	-1.5	11	Pass
n20	5240	Ant2	-2.72	2.49	-0.23	11	Pass
n40	5190	Ant2	-8.19	4.06	-4.13	11	Pass
n40	5230	Ant2	-7.97	4.05	-3.92	11	Pass
ac20	5180	Ant2	-3.95	2.49	-1.46	11	Pass
ac20	5200	Ant2	-3.93	2.49	-1.44	11	Pass
ac20	5240	Ant2	-3.1	2.49	-0.61	11	Pass
ac40	5190	Ant2	-8.38	4.04	-4.34	11	Pass
ac40	5230	Ant2	-7.4	4.04	-3.36	11	Pass
ac80	5210	Ant2	-9.09	3.7	-5.39	11	Pass

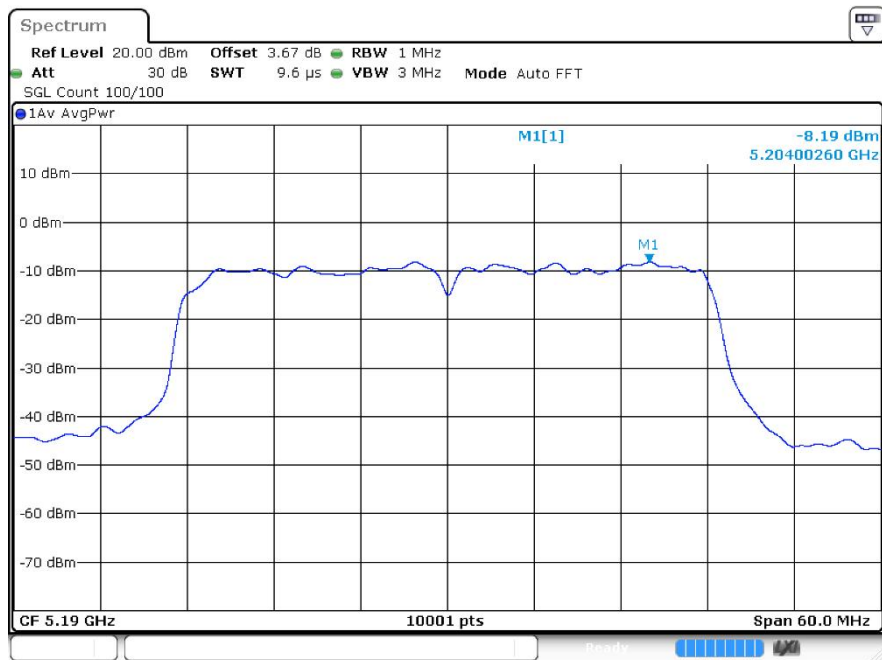
5.2 Test Graphs







PSD n40 5190MHz Ant2



PSD n40 5230MHz Ant2

