Appendix D

RF Test Data for B1-B3WIFI(Conducted Measurement)

Product Name: Tablet PC

Trade Mark: Blackview

Test Model: Tab 9 WiFi

Environmental Conditions

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

Contents

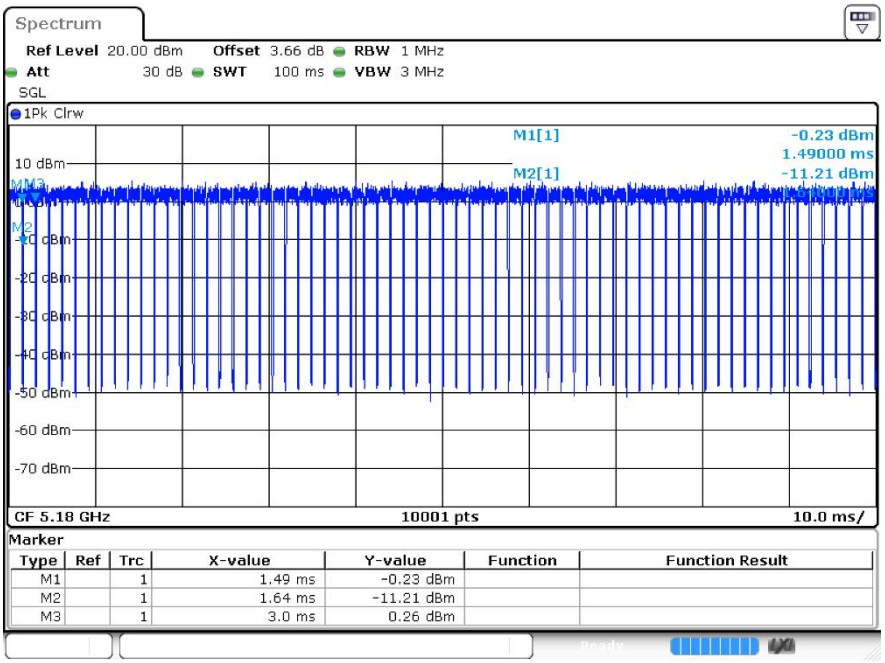
1 Duty Cycle

1.1 Test Result

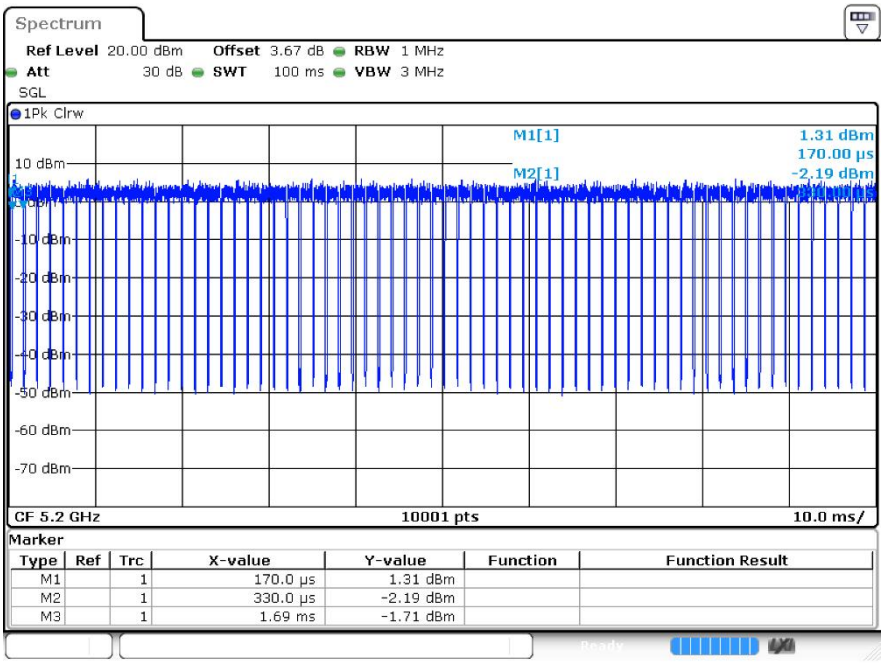
Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
a	5180	Ant1	90.46	0.44	0.74
a	5200	Ant1	90.53	0.43	0.74
a	5240	Ant1	90.57	0.43	0.74
n20	5180	Ant1	89.2	0.5	0.87
n20	5200	Ant1	89.25	0.49	0.87
n20	5240	Ant1	89.2	0.5	0.87
n40	5190	Ant1	81.06	0.91	1.72
n40	5230	Ant1	80.97	0.92	1.75
ac20	5180	Ant1	89.41	0.49	0.87
ac20	5200	Ant1	89.3	0.49	0.86
ac20	5240	Ant1	89.32	0.49	0.86
ac40	5190	Ant1	81.05	0.91	1.72
ac40	5230	Ant1	80.9	0.92	1.72
ac80	5210	Ant1	66.62	1.76	3.7

1.2 Test Graphs

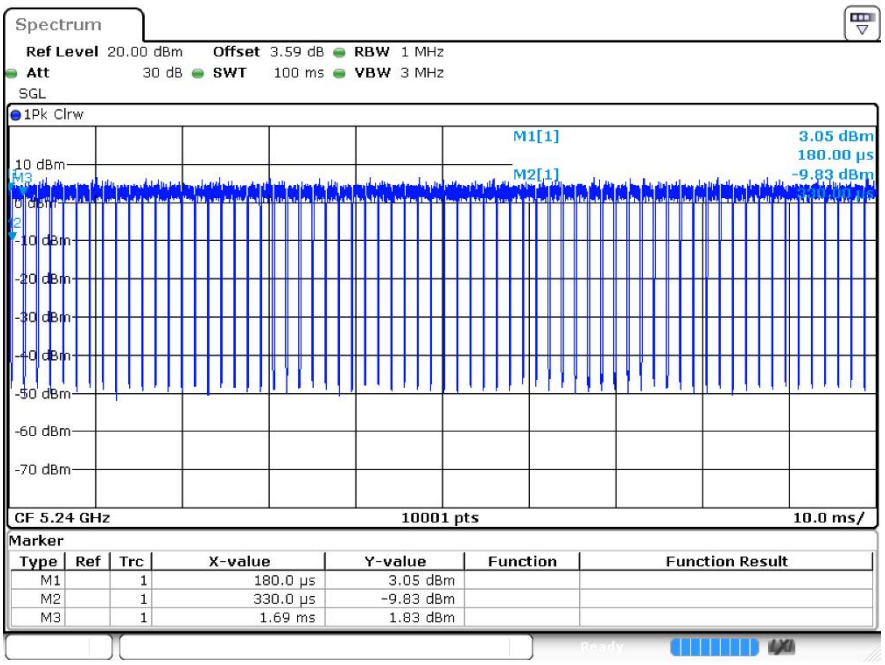
Test Graphs
Duty Cyclea 5180MHz Ant1



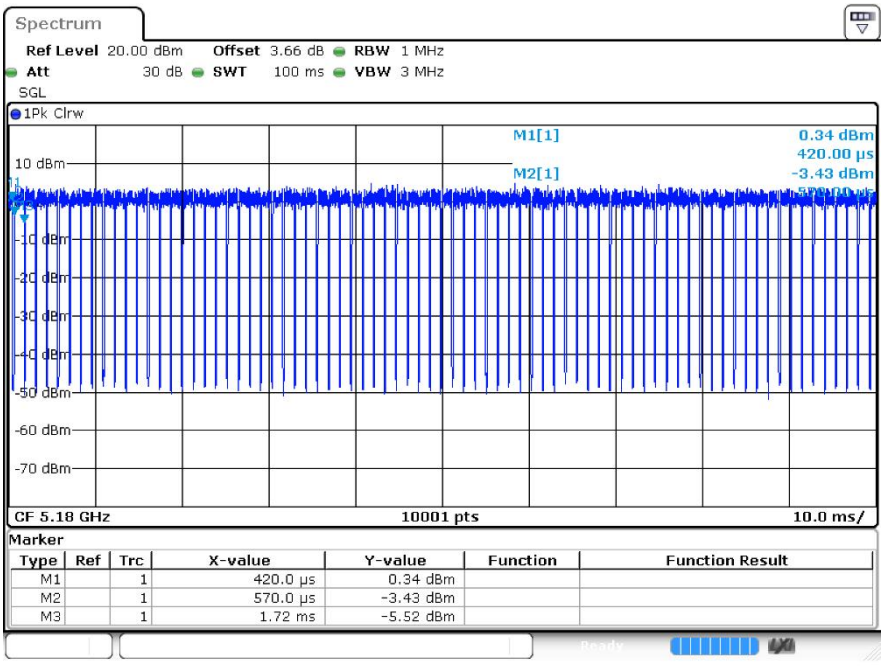
Duty Cycle a 5200MHz Ant1



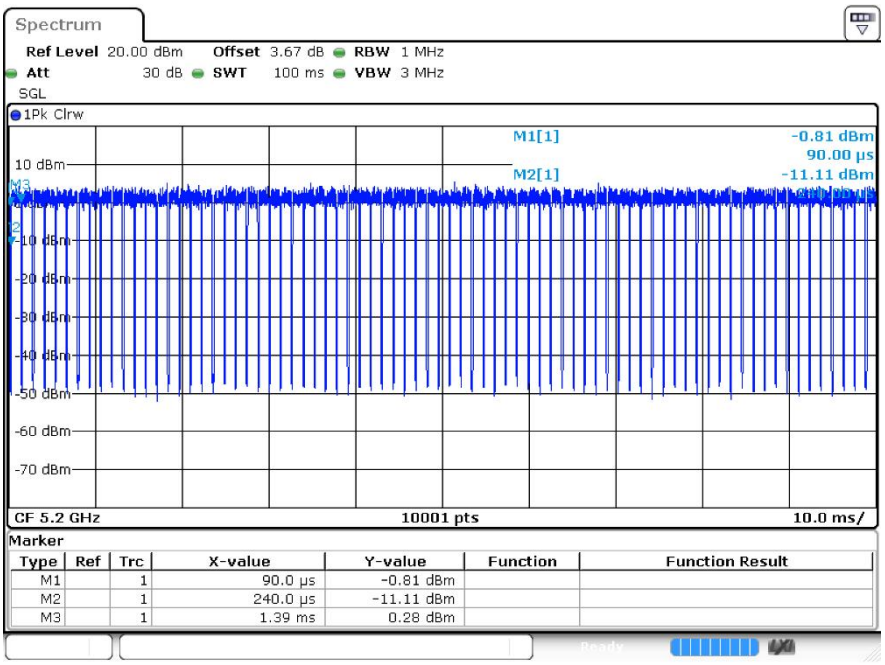
Duty Cyclea 5240MHz Ant1



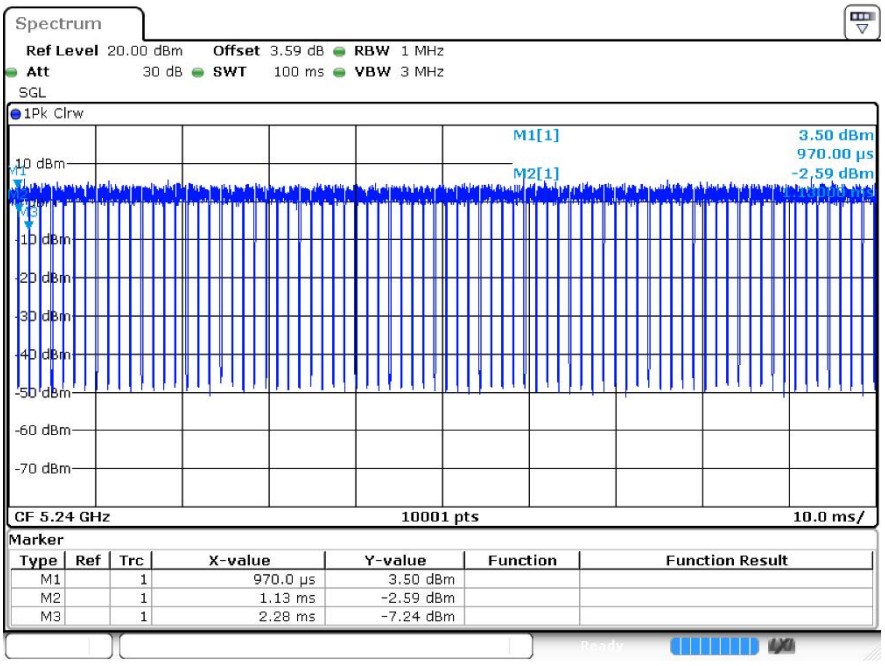
Duty Cycle n20 5180MHz Ant1



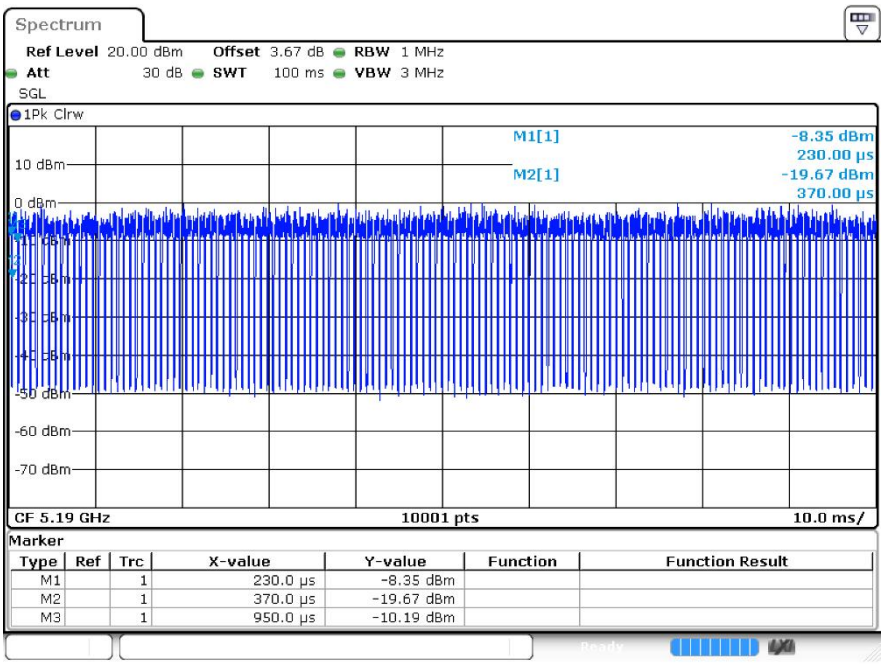
Duty Cycle n20 5200MHz Ant1



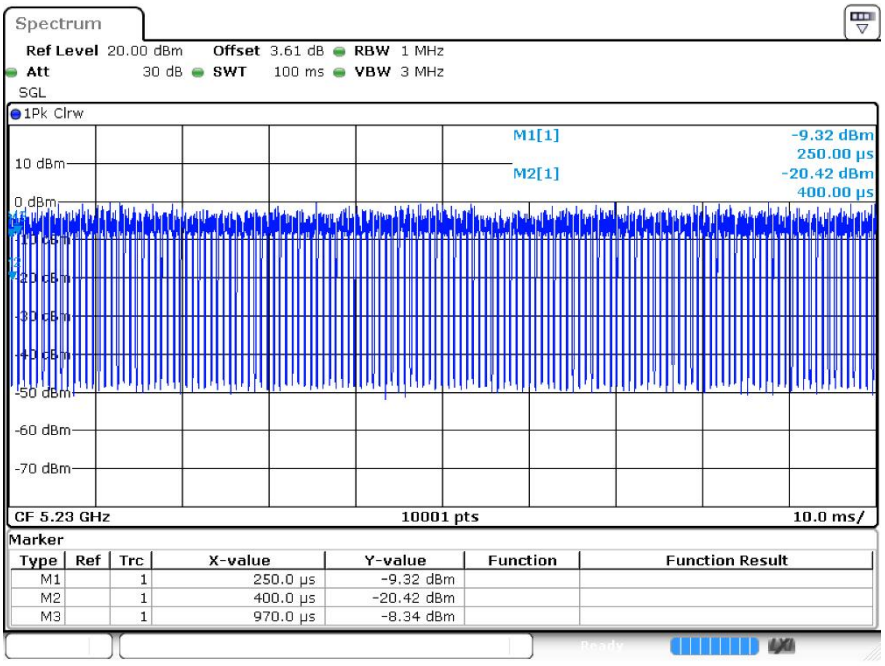
Duty Cycle n20 5240MHz Ant1



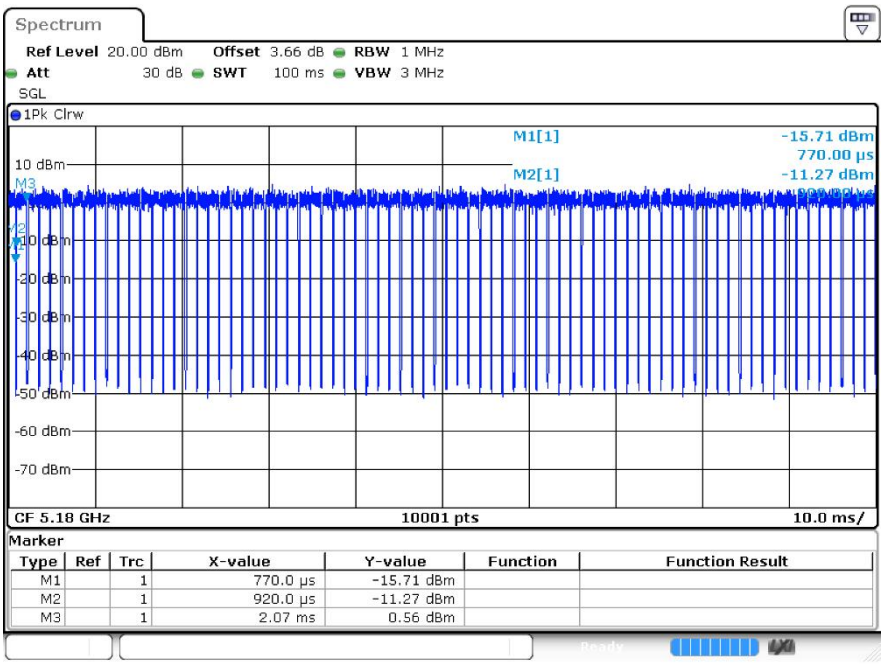
Duty Cyclen40 5190MHz Ant1



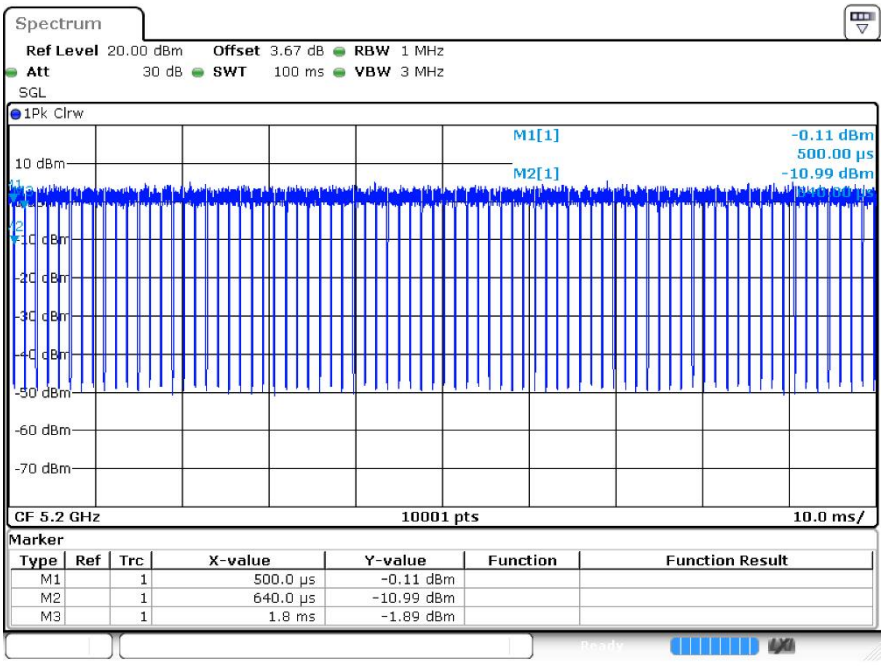
Duty Cyclen40 5230MHz Ant1



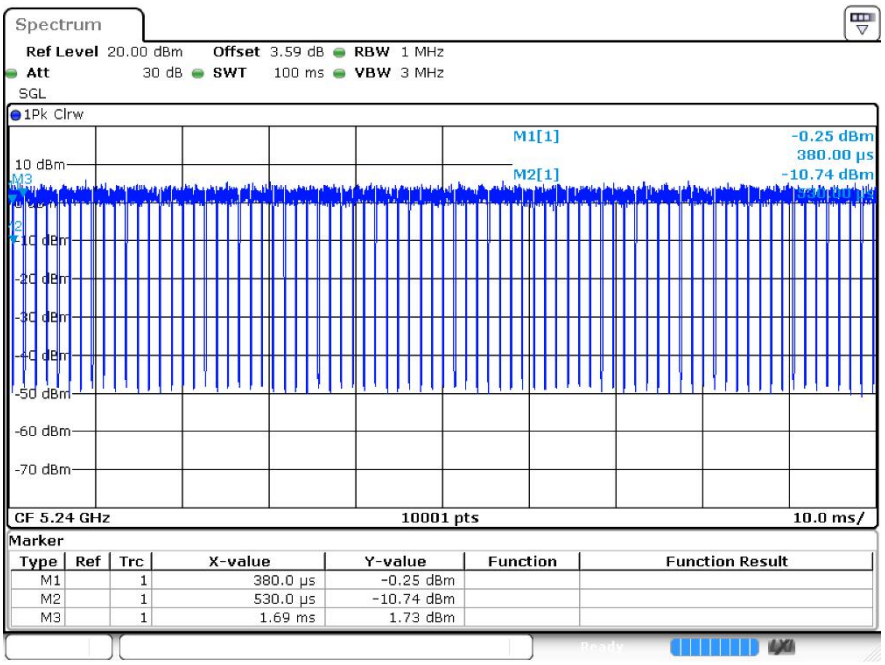
Duty Cycle ac20 5180MHz Ant1



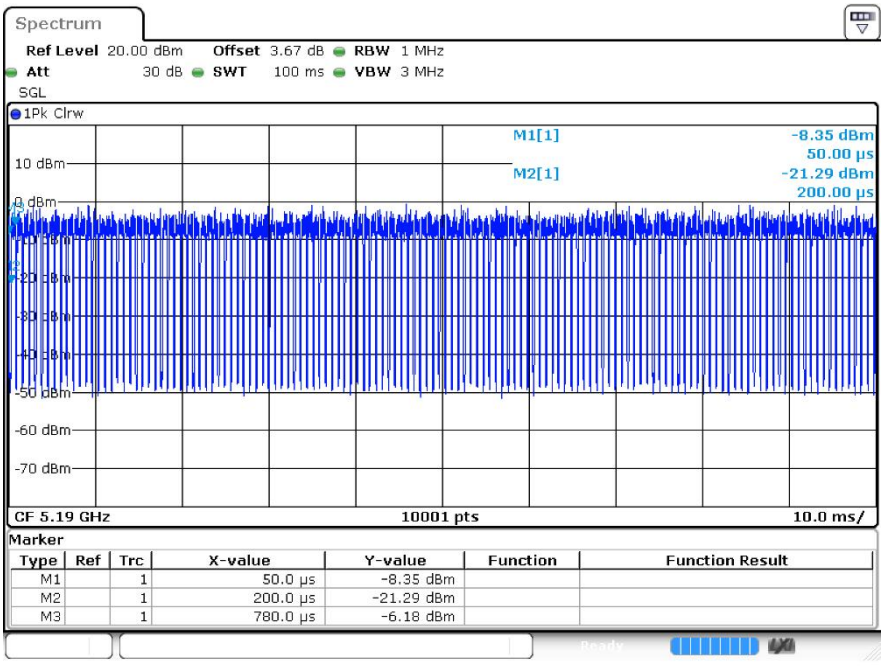
Duty Cycle ac20 5200MHz Ant1



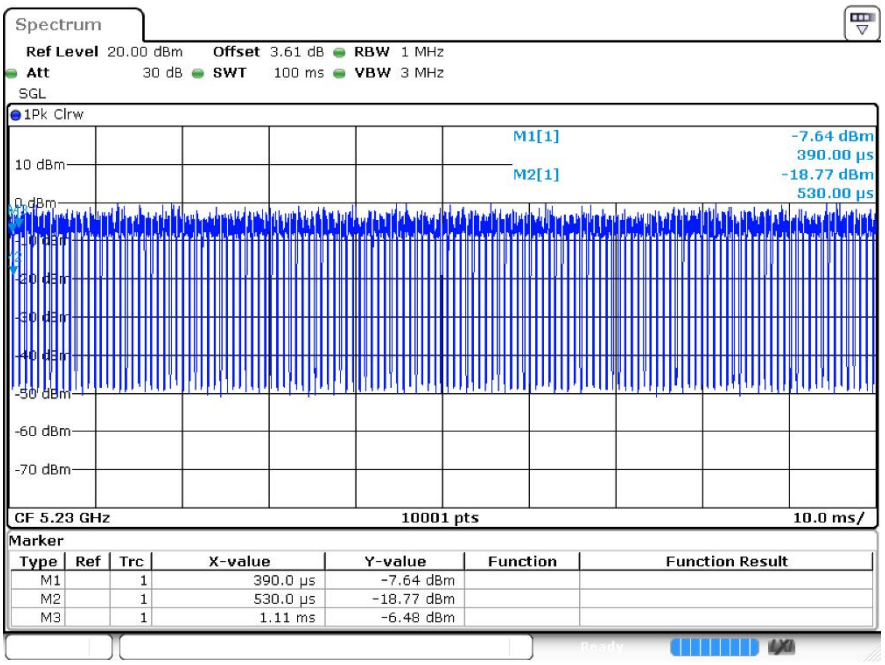
Duty Cycle ac20 5240MHz Ant1



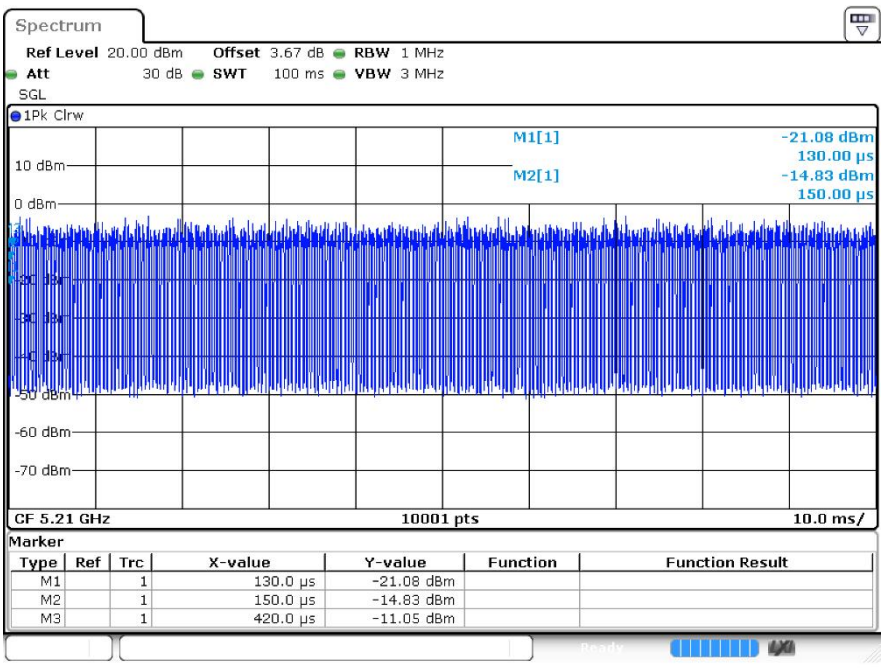
Duty Cycleac40 5190MHz Ant1



Duty Cycleac40 5230MHz Ant1



Duty Cycleac80 5210MHz Ant1



2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	12.9	24	Pass
a	5200	Ant1	13.17	24	Pass
a	5240	Ant1	13.78	24	Pass
n20	5180	Ant1	12.31	24	Pass
n20	5200	Ant1	12.5	24	Pass
n20	5240	Ant1	13.07	24	Pass
n40	5190	Ant1	11.54	24	Pass
n40	5230	Ant1	12.33	24	Pass
ac20	5180	Ant1	12.13	24	Pass
ac20	5200	Ant1	12.51	24	Pass
ac20	5240	Ant1	13.08	24	Pass
ac40	5190	Ant1	11.62	24	Pass
ac40	5230	Ant1	11.88	24	Pass
ac80	5210	Ant1	11.51	24	Pass

Note:

The duty factor has been compensated into the result.

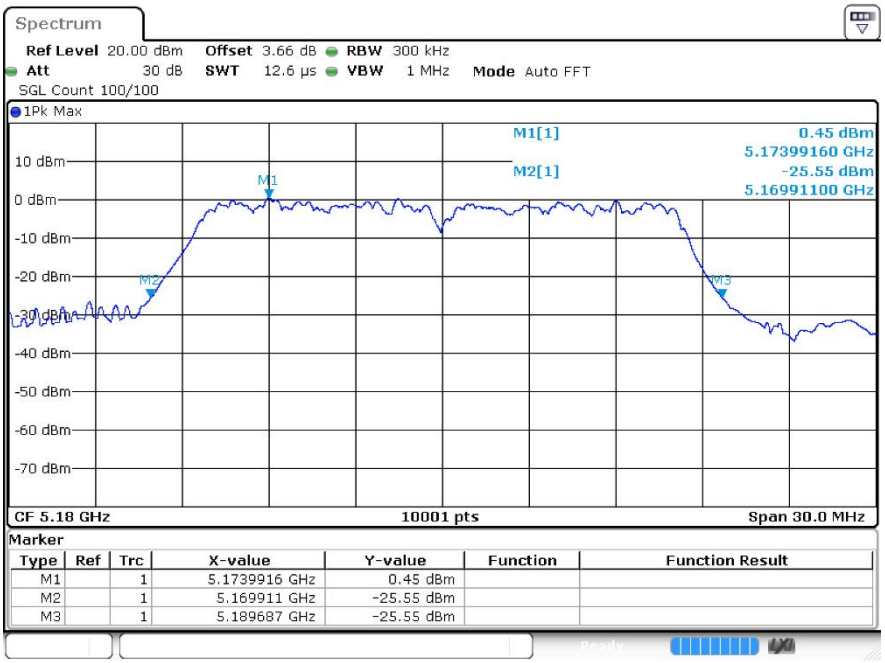
3 -26dB Bandwidth

3.1 Test Result

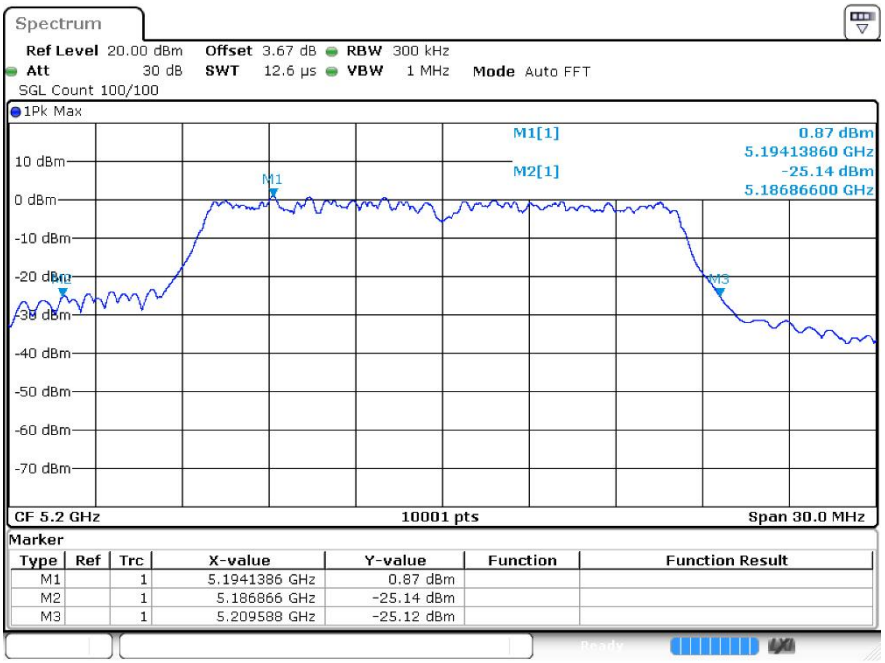
Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
a	5180	Ant1	19.776	0.5	Pass
a	5200	Ant1	22.722	0.5	Pass
a	5240	Ant1	19.545	0.5	Pass
n20	5180	Ant1	20.259	0.5	Pass
n20	5200	Ant1	19.866	0.5	Pass
n20	5240	Ant1	19.734	0.5	Pass
n40	5190	Ant1	39.906	0.5	Pass
n40	5230	Ant1	43.56	0.5	Pass
ac20	5180	Ant1	23.823	0.5	Pass
ac20	5200	Ant1	20.073	0.5	Pass
ac20	5240	Ant1	19.947	0.5	Pass
ac40	5190	Ant1	39.672	0.5	Pass
ac40	5230	Ant1	43.362	0.5	Pass
ac80	5210	Ant1	78.36	0.5	Pass

3.2 Test Graphs

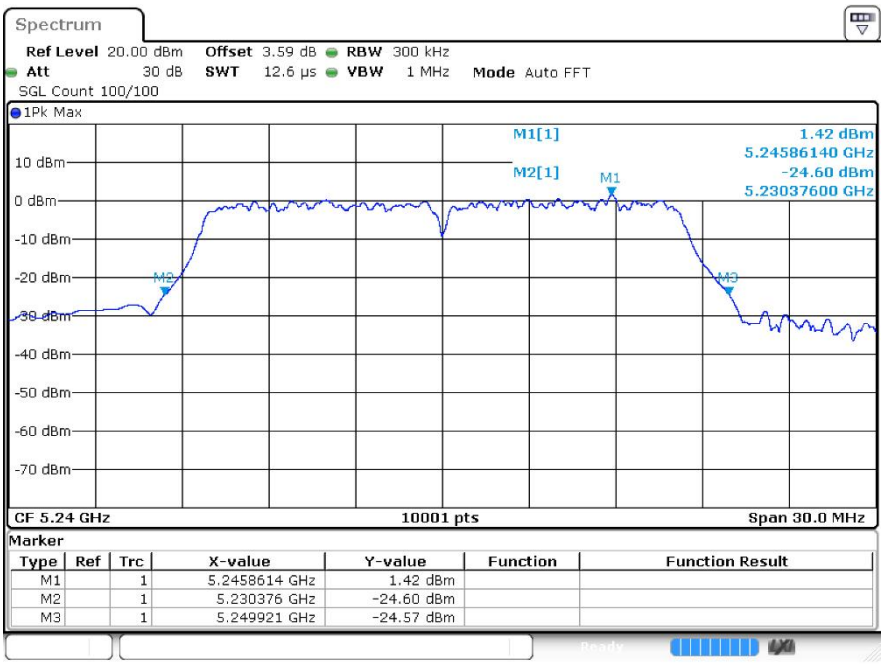
Test Graphs
-26dB Bandwidtha 5180MHz Ant1



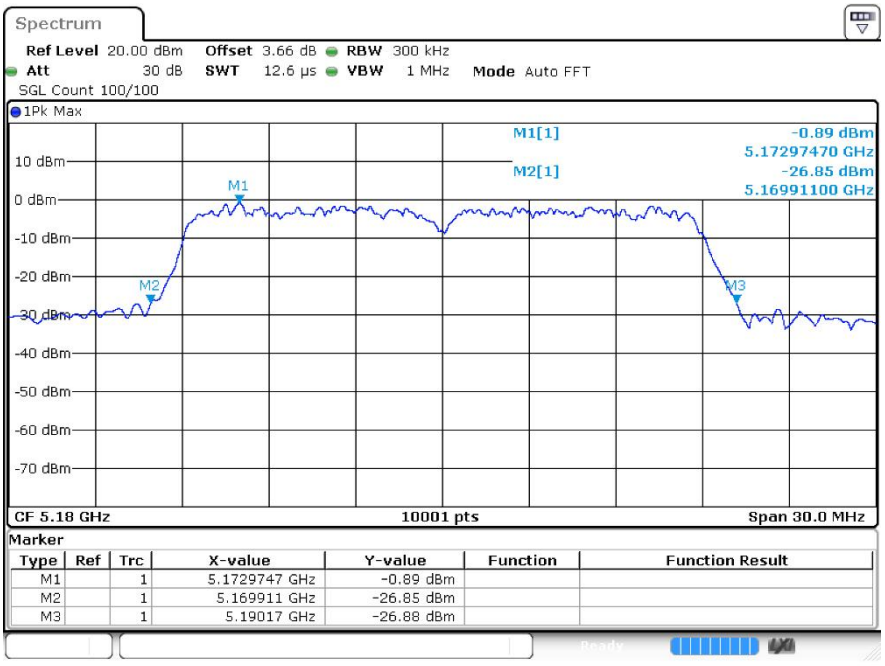
-26dB Bandwidtha 5200MHz Ant1



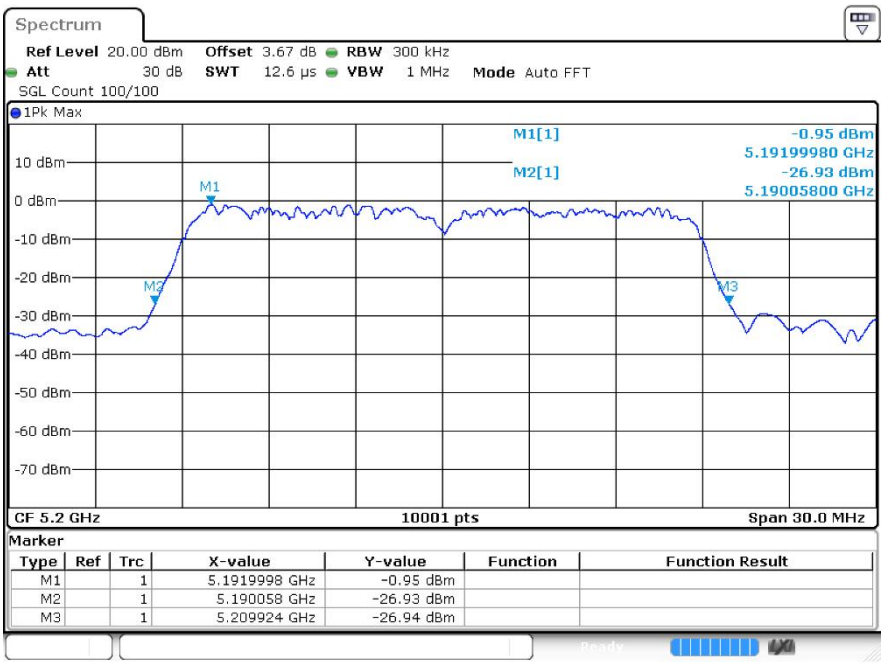
-26dB Bandwidtha 5240MHz Ant1



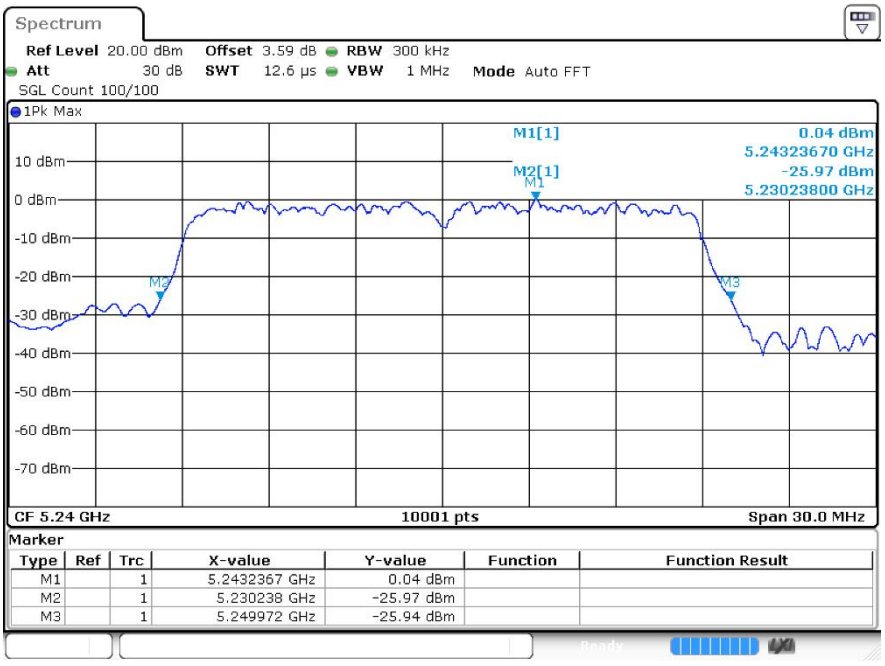
-26dB Bandwidth n20 5180MHz Ant1



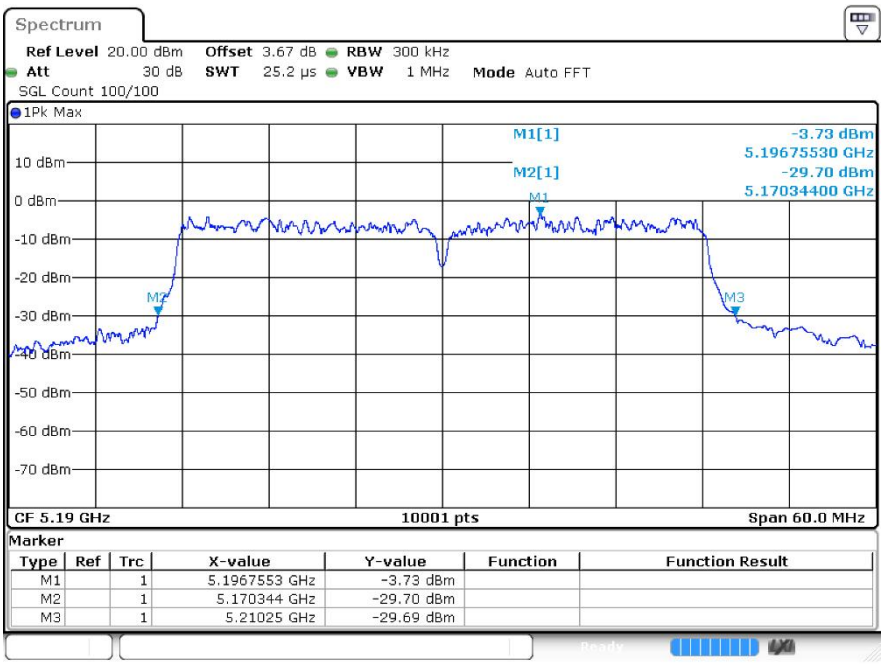
-26dB Bandwidth n20 5200MHz Ant1



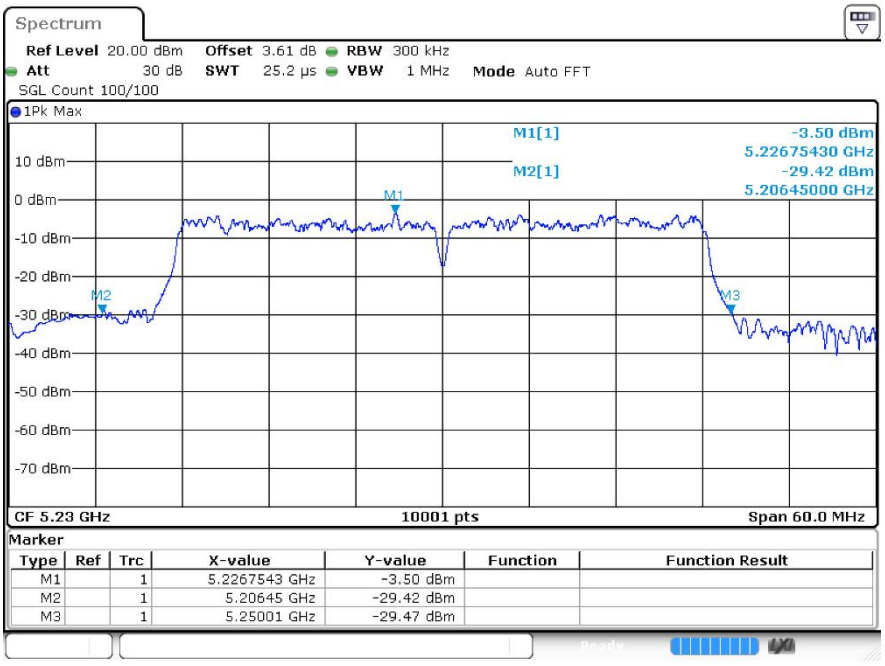
-26dB Bandwidth n20 5240MHz Ant1



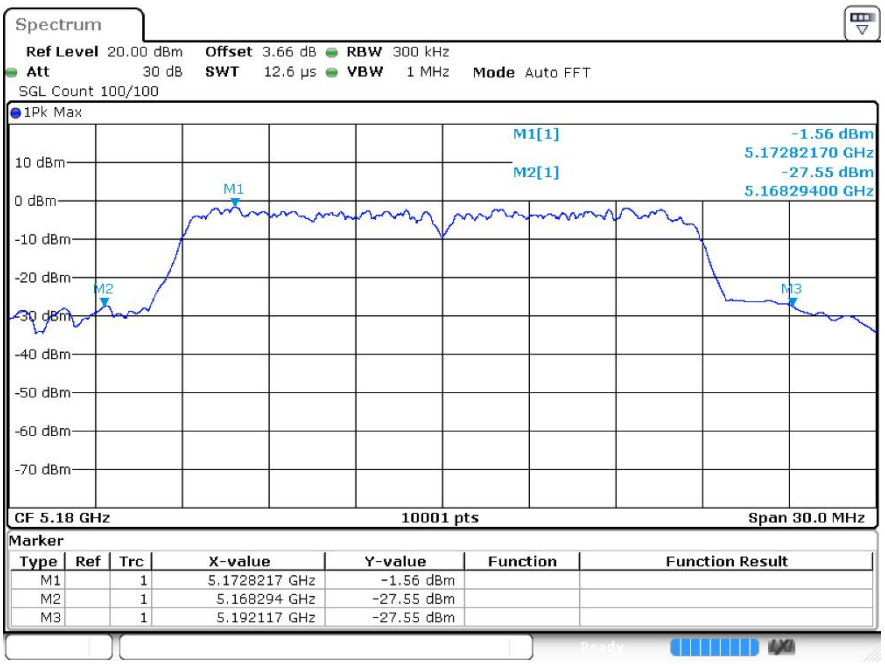
-26dB Bandwidthn40 5190MHz Ant1



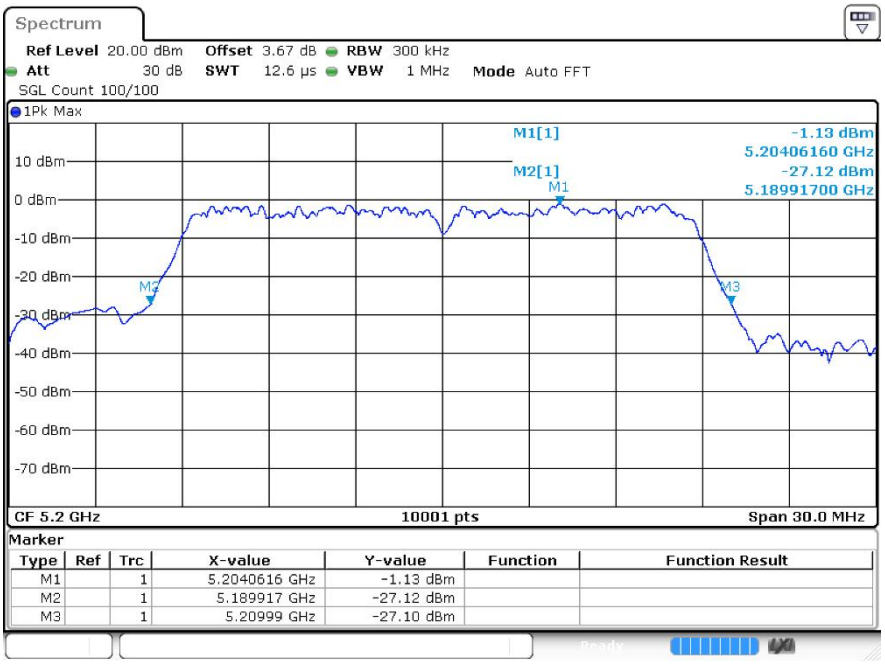
-26dB Bandwidthn40 5230MHz Ant1



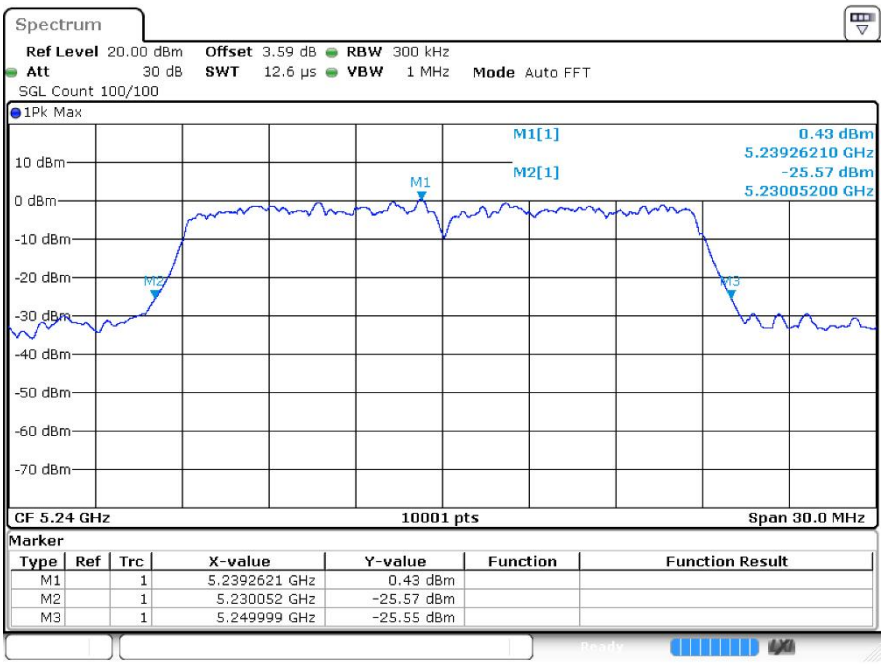
-26dB Bandwidth ac20 5180MHz Ant1



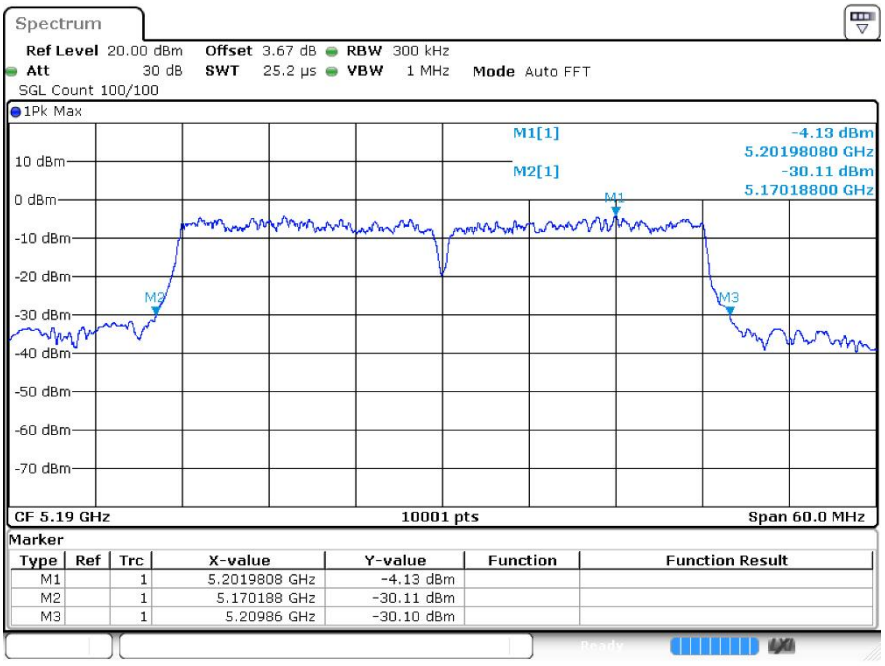
-26dB Bandwidth ac20 5200MHz Ant1



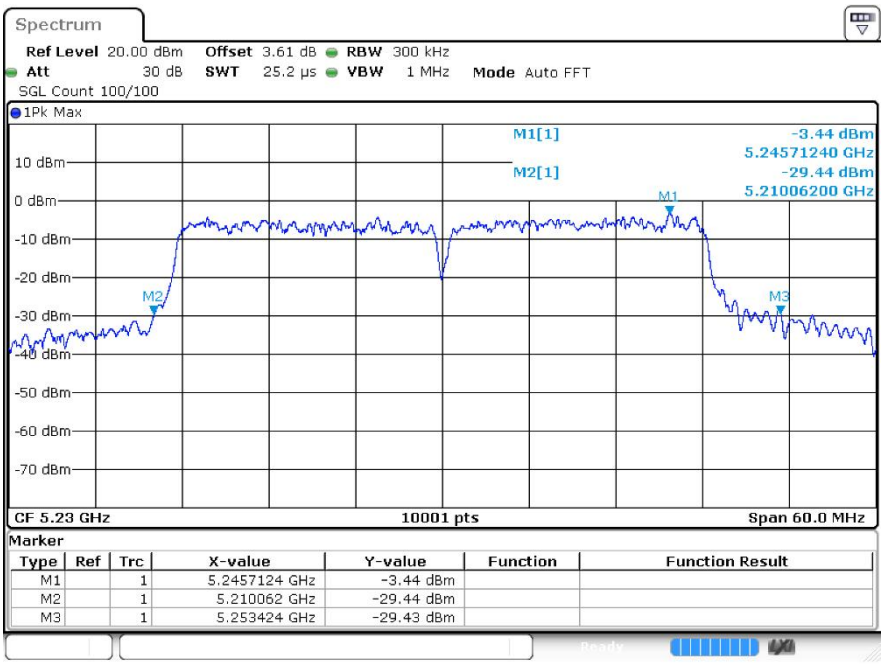
-26dB Bandwidth ac20 5240MHz Ant1



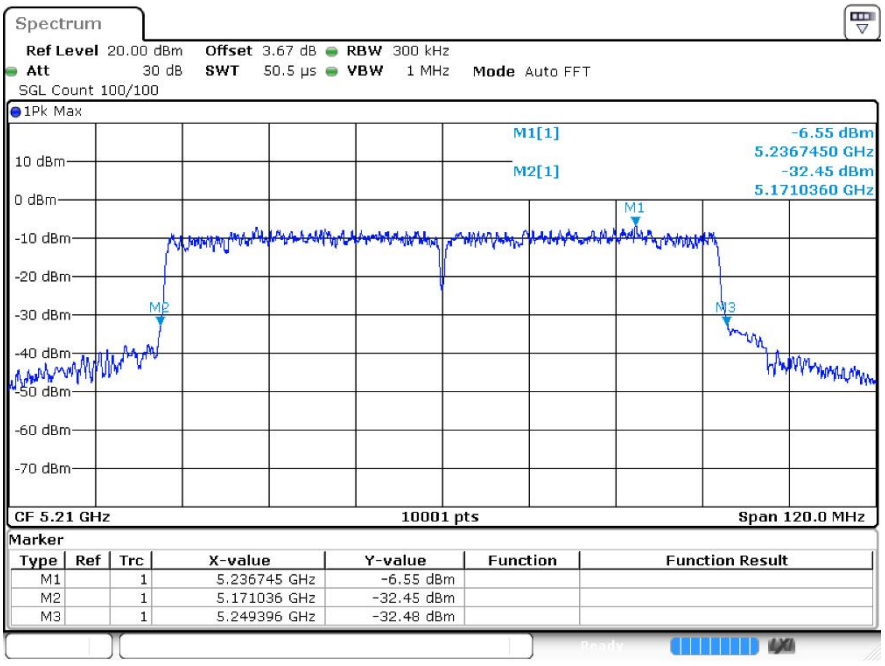
-26dB Bandwidthac40 5190MHz Ant1



-26dB Bandwidthac40 5230MHz Ant1



-26dB Bandwidthac80 5210MHz Ant1

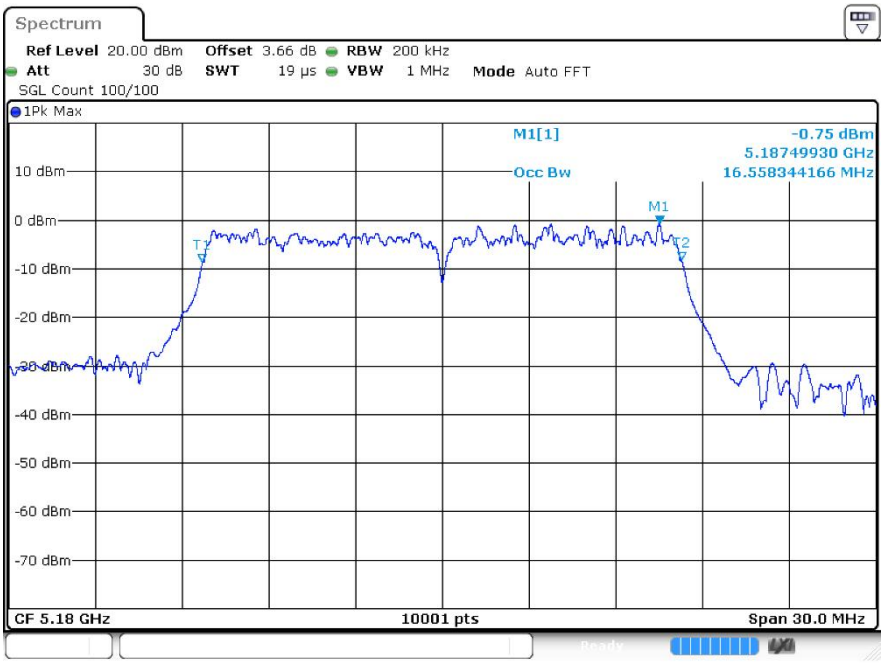
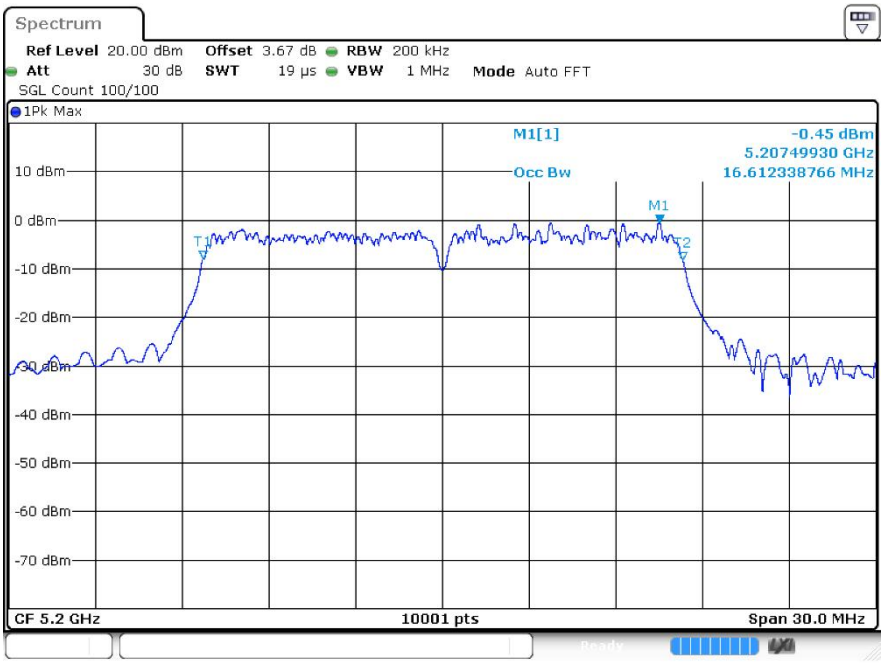


4 Occupied Channel Bandwidth

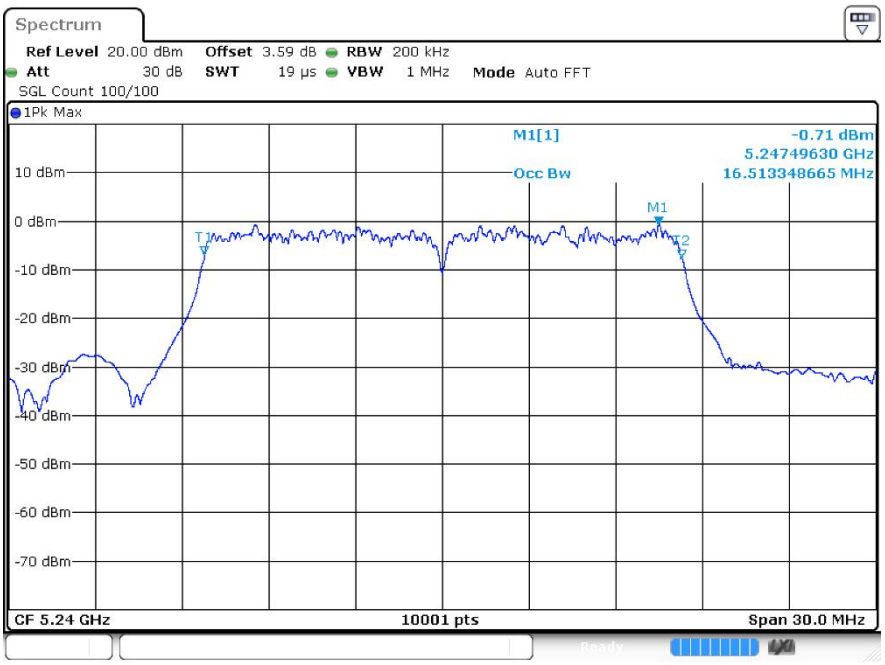
4.1 Test Result

Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
a	5180	Ant1	16.558
a	5200	Ant1	16.612
a	5240	Ant1	16.513
n20	5180	Ant1	17.623
n20	5200	Ant1	17.602
n20	5240	Ant1	17.608
n40	5190	Ant1	36.416
n40	5230	Ant1	36.41
ac20	5180	Ant1	17.644
ac20	5200	Ant1	17.566
ac20	5240	Ant1	17.65
ac40	5190	Ant1	36.536
ac40	5230	Ant1	36.398
ac80	5210	Ant1	75.652

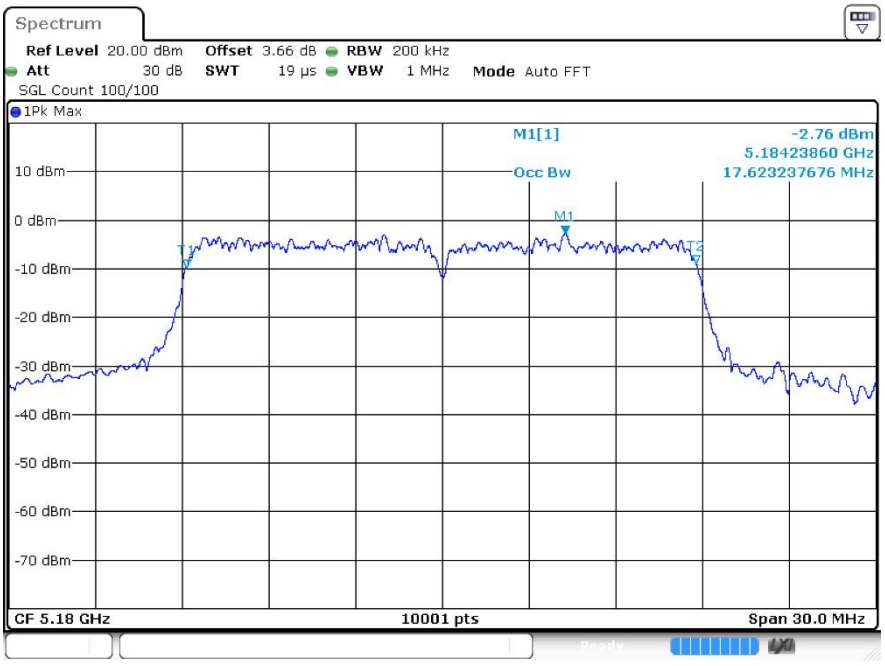
4.2 Test Graphs

Test Graphs
OBWa 5180MHz Ant1

OBWa 5200MHz Ant1


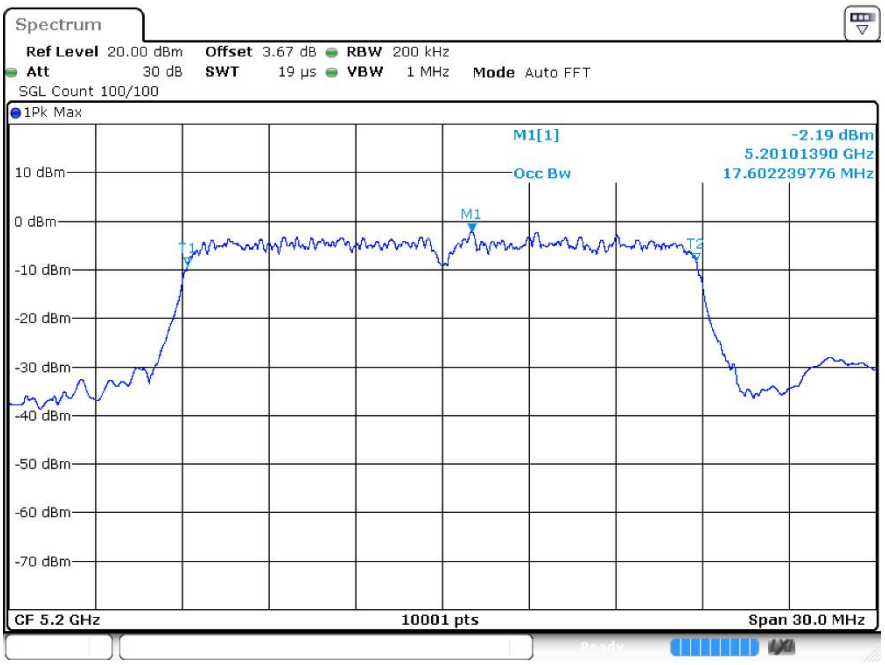
OBWa 5240MHz Ant1



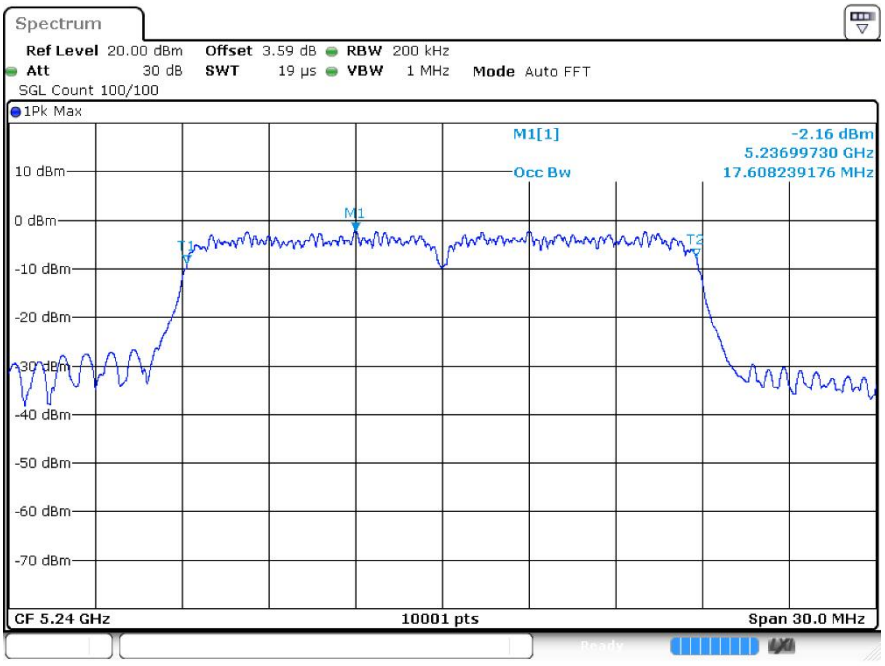
OBW n20 5180MHz Ant1



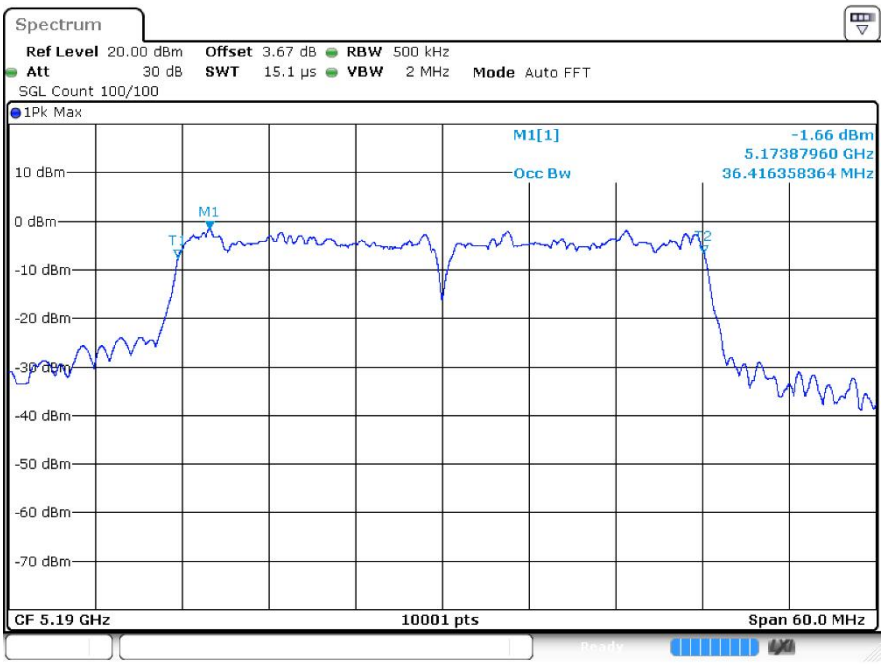
OBW n20 5200MHz Ant1



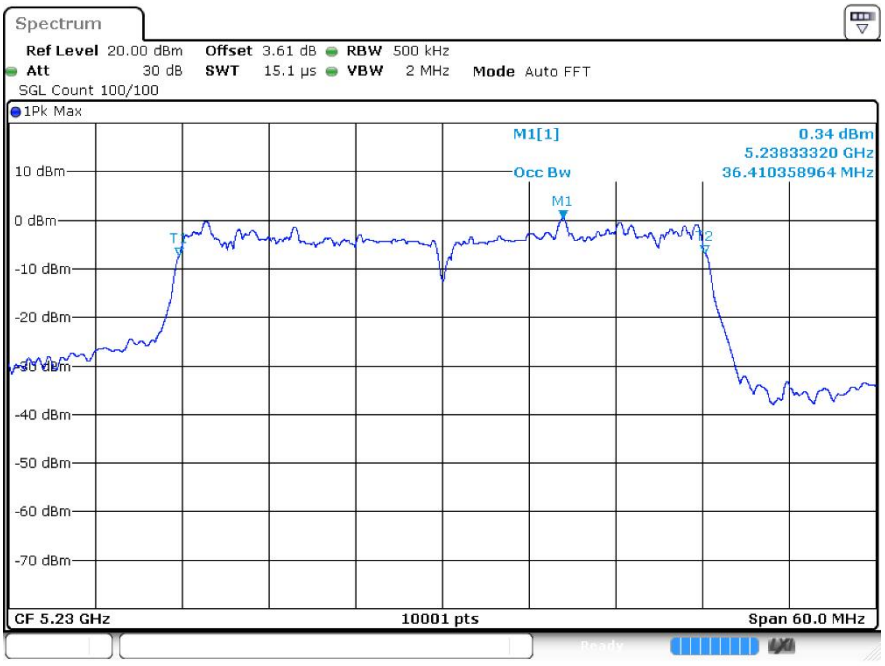
OBW n20 5240MHz Ant1



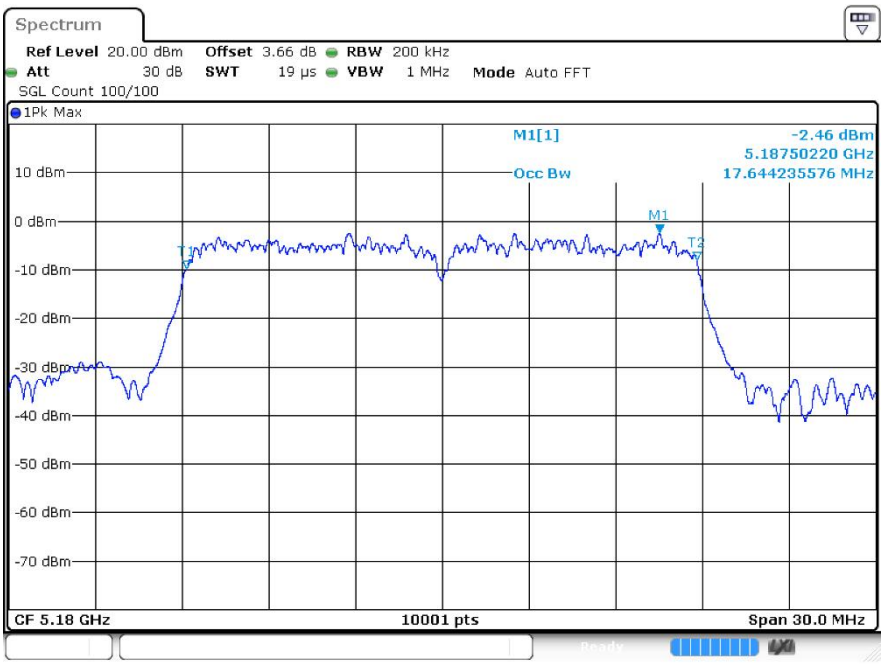
OBWn40 5190MHz Ant1



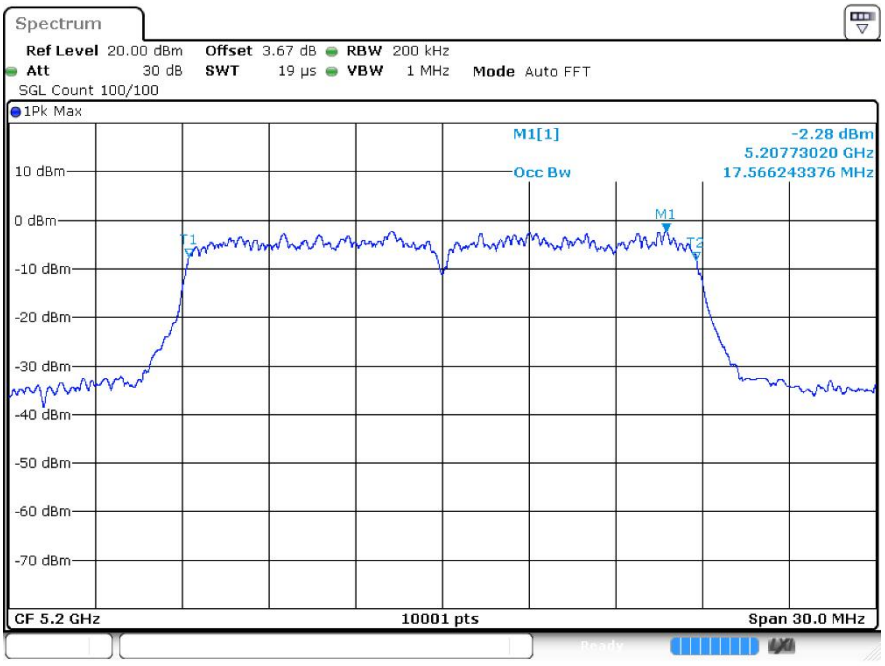
OBWn40 5230MHz Ant1



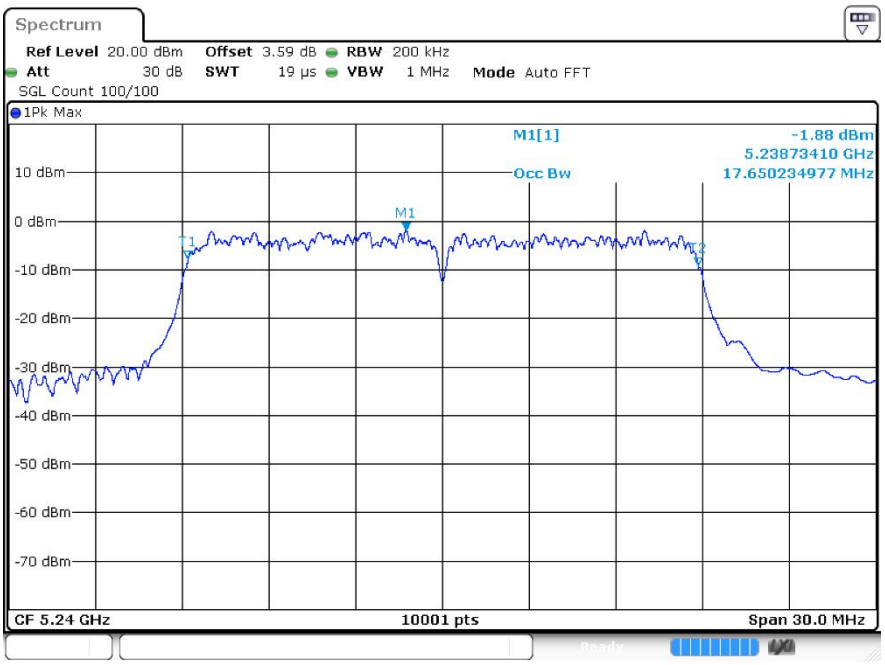
OBW ac20 5180MHz Ant1



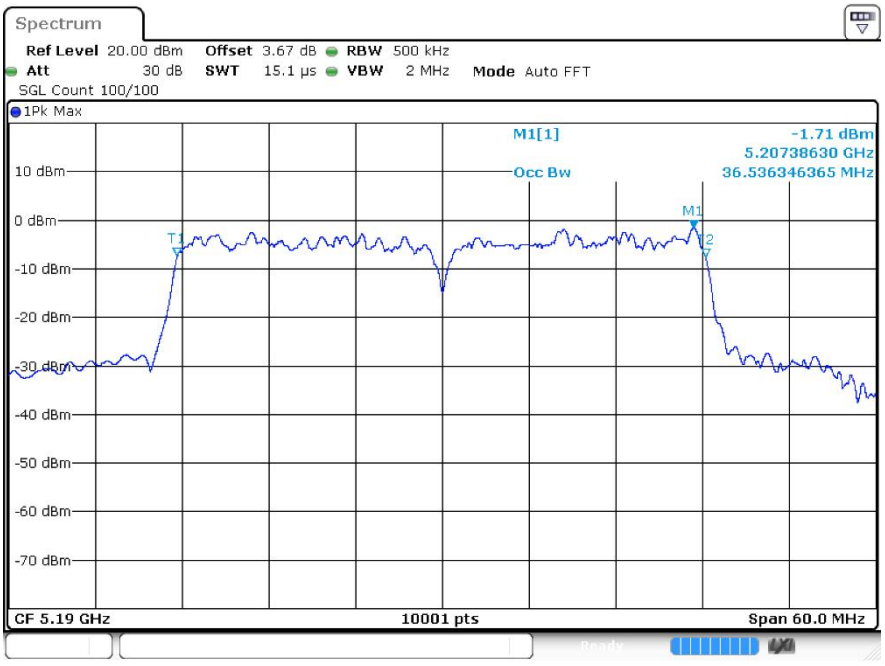
OBW ac20 5200MHz Ant1



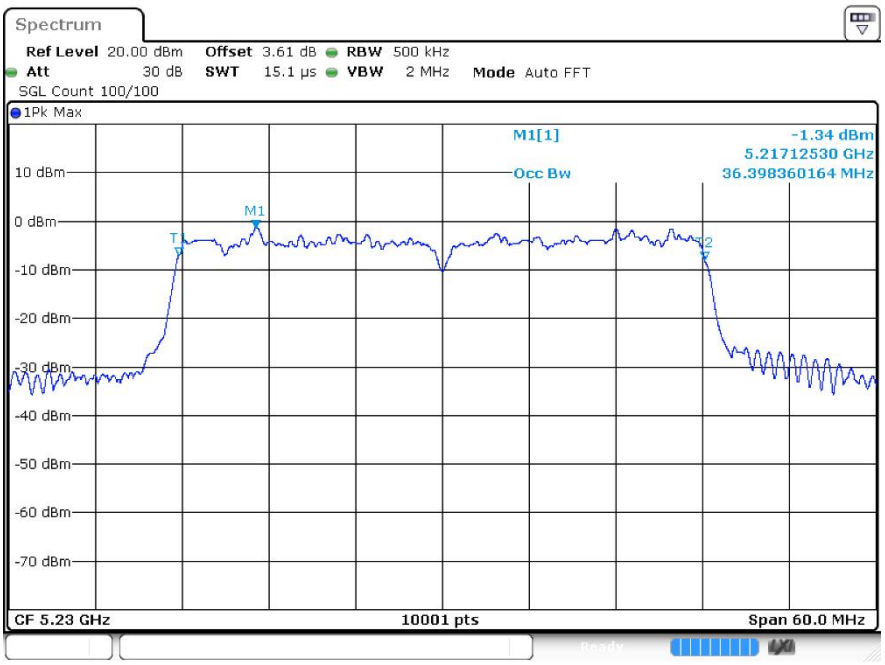
OBW ac20 5240MHz Ant1



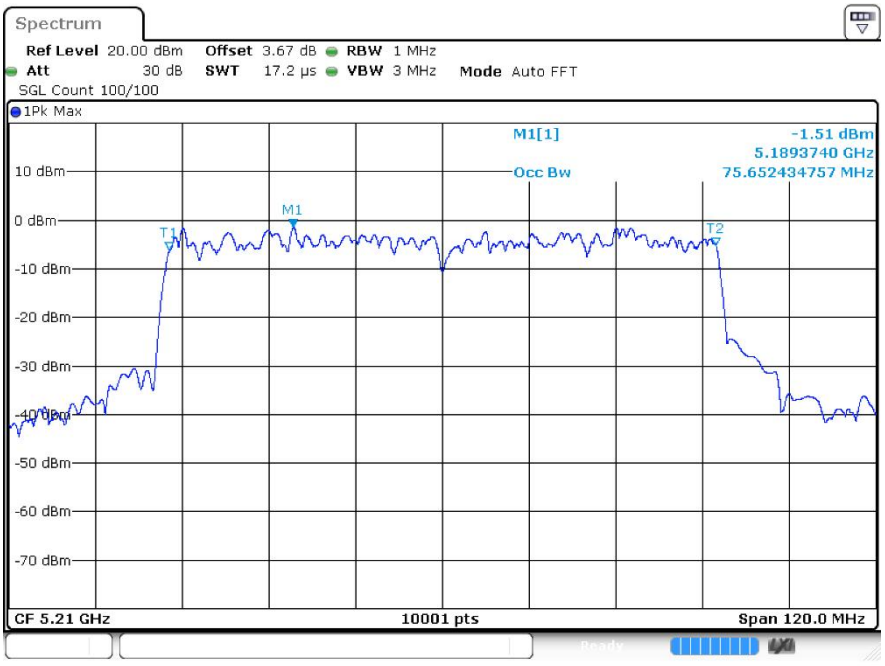
OBWac40 5190MHz Ant1



OBWac40 5230MHz Ant1



OBWac80 5210MHz Ant1

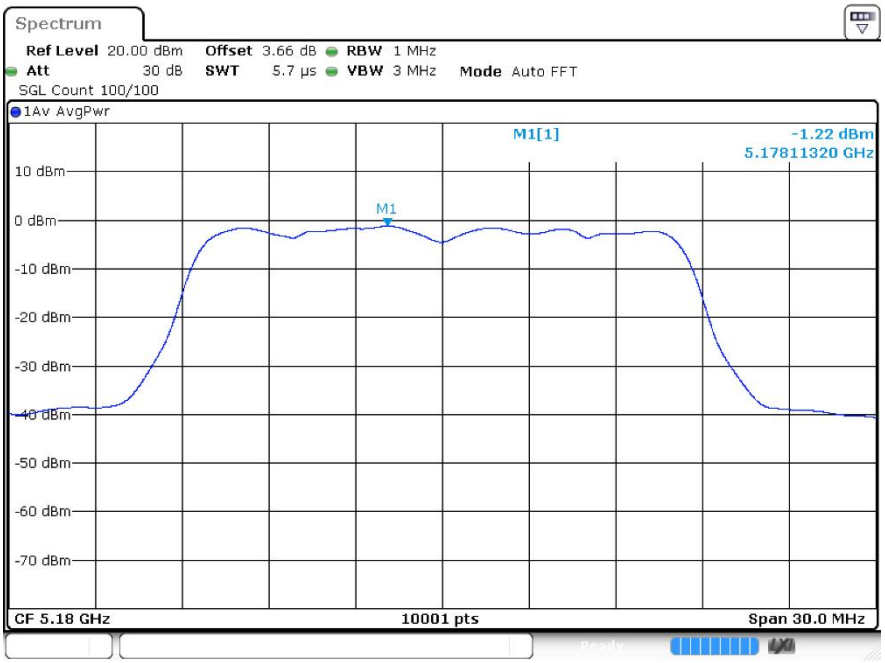
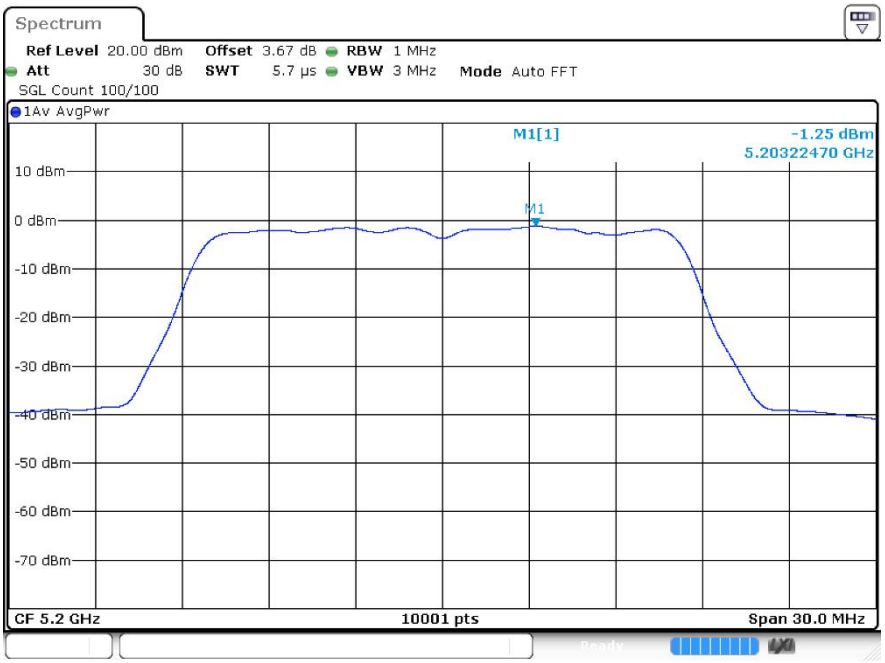


5 Maximum Power Spectral Density Level

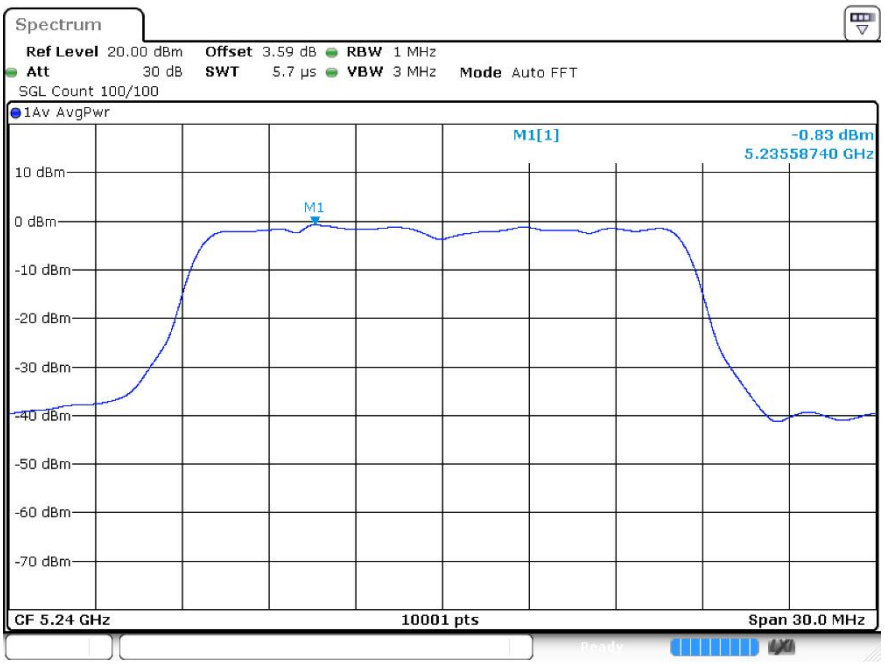
5.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	-1.22	0.44	-0.78	11	Pass
a	5200	Ant1	-1.25	0.43	-0.82	11	Pass
a	5240	Ant1	-0.83	0.43	-0.4	11	Pass
n20	5180	Ant1	-2.86	0.5	-2.36	11	Pass
n20	5200	Ant1	-2.69	0.49	-2.2	11	Pass
n20	5240	Ant1	-1.77	0.5	-1.27	11	Pass
n40	5190	Ant1	-5.86	0.91	-4.95	11	Pass
n40	5230	Ant1	-5.02	0.92	-4.1	11	Pass
ac20	5180	Ant1	-3	0.49	-2.51	11	Pass
ac20	5200	Ant1	-2.69	0.49	-2.2	11	Pass
ac20	5240	Ant1	-1.35	0.49	-0.86	11	Pass
ac40	5190	Ant1	-6.63	0.91	-5.72	11	Pass
ac40	5230	Ant1	-6.62	0.92	-5.7	11	Pass
ac80	5210	Ant1	-10.24	1.76	-8.48	11	Pass

5.2 Test Graphs

Test Graphs
PSDa 5180MHz Ant1

PSD a 5200MHz Ant1


PSDa 5240MHz Ant1



PSD n20 5180MHz Ant1