Appendix D

RF Test Data for B1-B3WIFI(Conducted Measurement)

Product Name: Mini PC

Trade Mark: Blackview

Test Model: MP80

Environmental Conditions

Temperature:	25.5℃
Relative Humidity:	52.4%
ATM Pressure:	101Kpa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen

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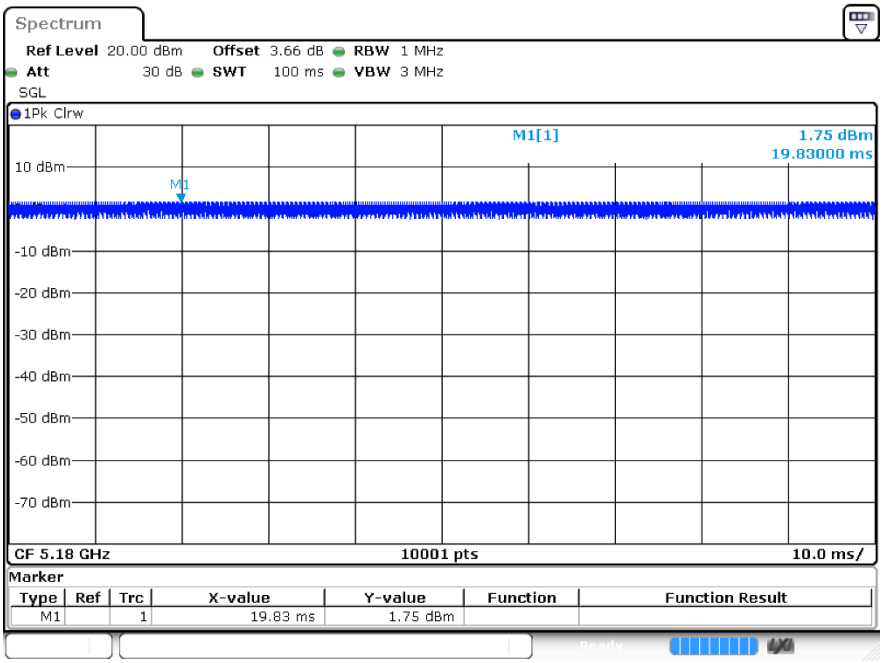
1 Duty Cycle

1.1 Test Result

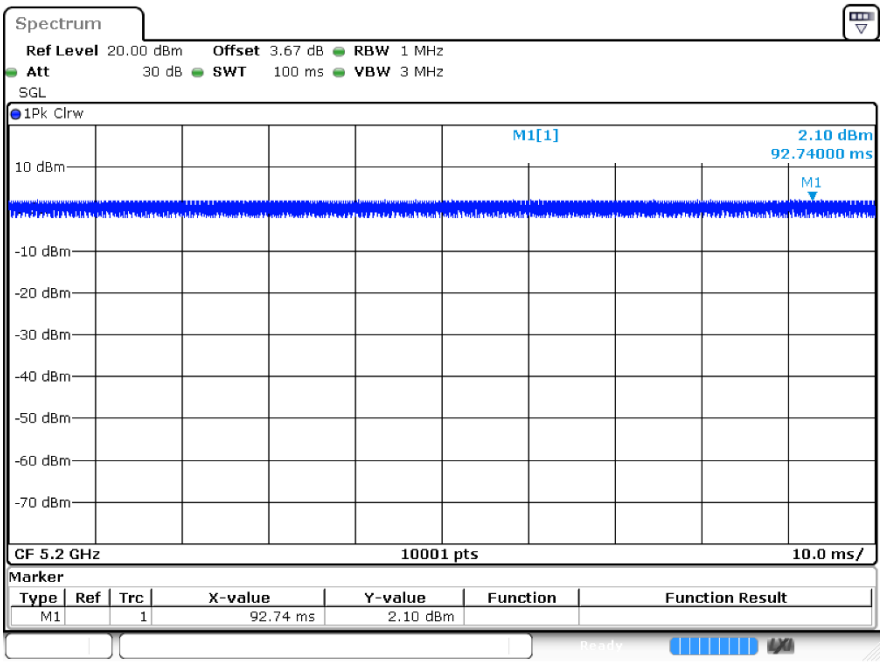
Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
a	5180	Ant1	100	0	0
a	5200	Ant1	100	0	0
a	5240	Ant1	100	0	0
a	5180	Ant2	100	0	0
a	5200	Ant2	100	0	0
a	5240	Ant2	100	0	0
n20	5180	Ant1	100	0	0
n20	5200	Ant1	100	0	0
n20	5240	Ant1	100	0	0
n20	5180	Ant2	100	0	0
n20	5200	Ant2	100	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

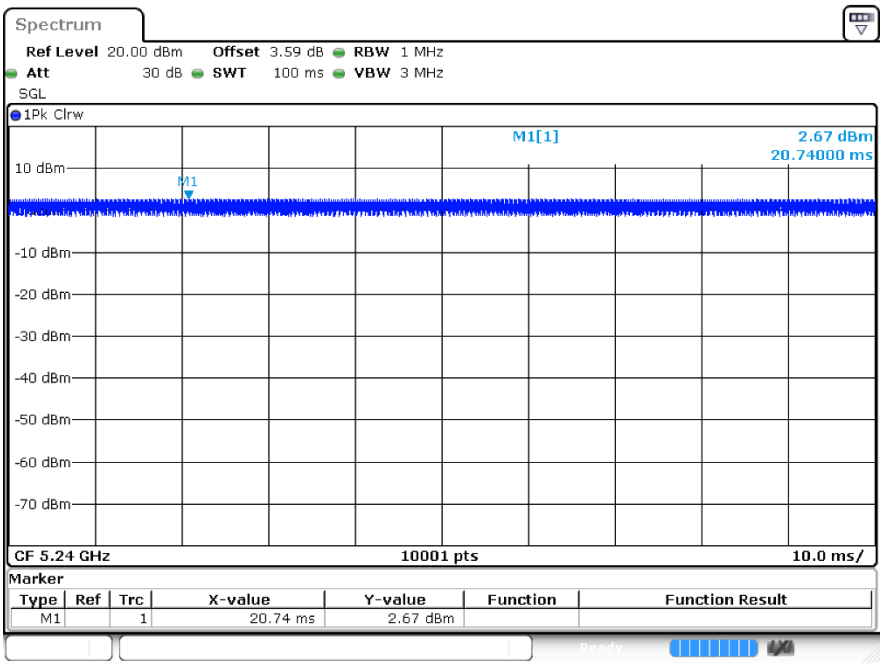
Test Graphs
Duty Cyclea 5180MHz Ant1



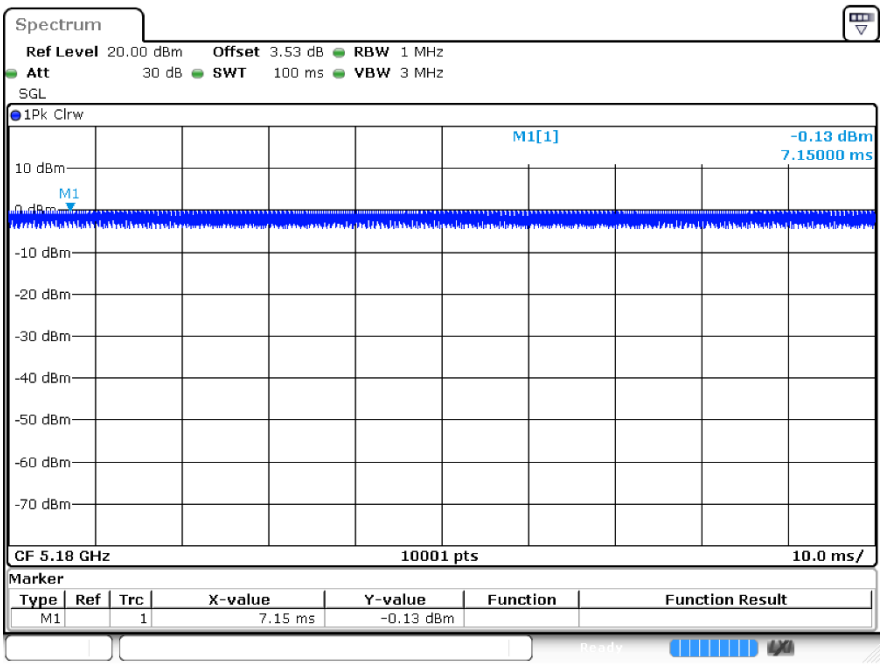
Duty Cycle a 5200MHz Ant1



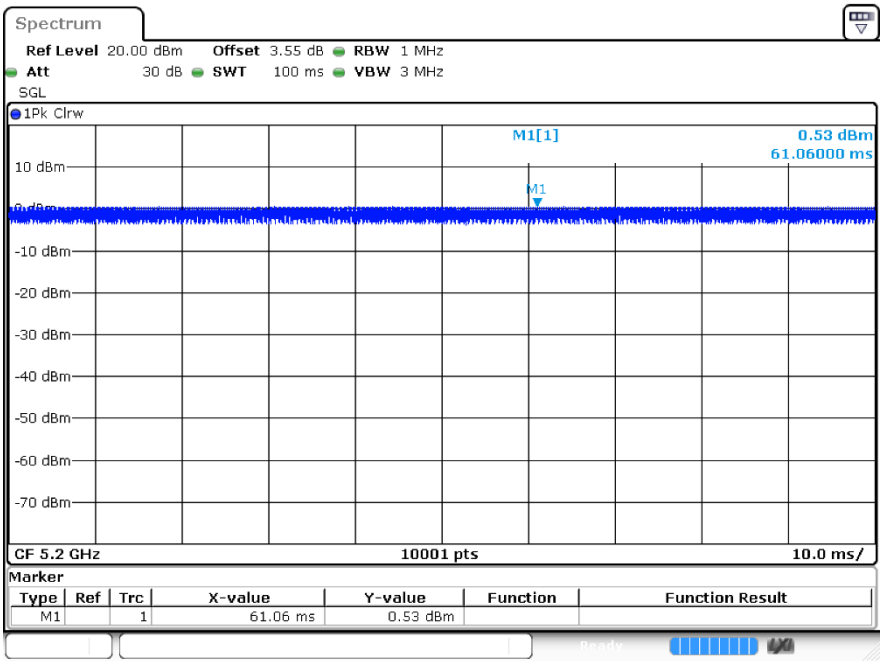
Duty Cyclea 5240MHz Ant1



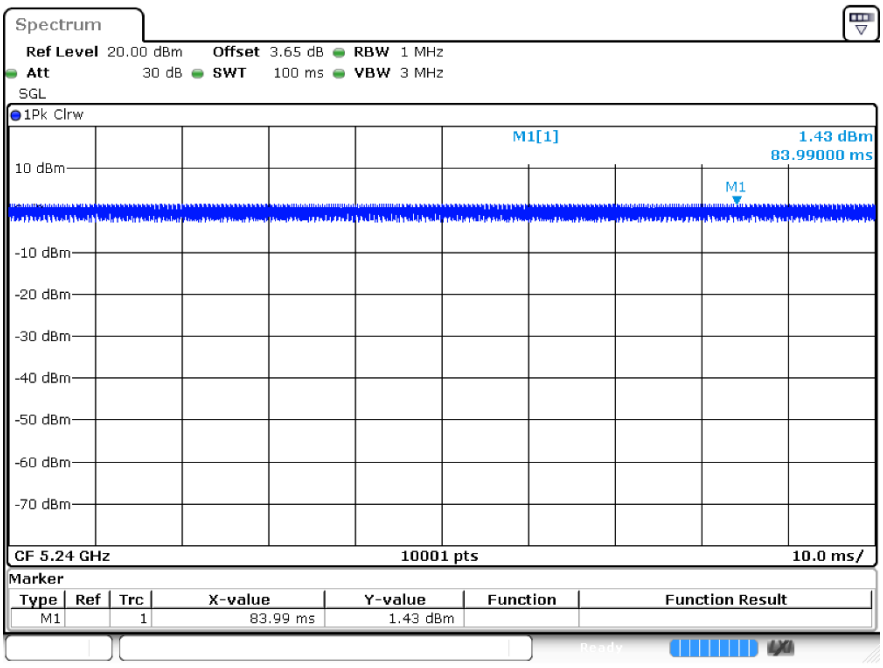
Duty Cyclea 5180MHz Ant2



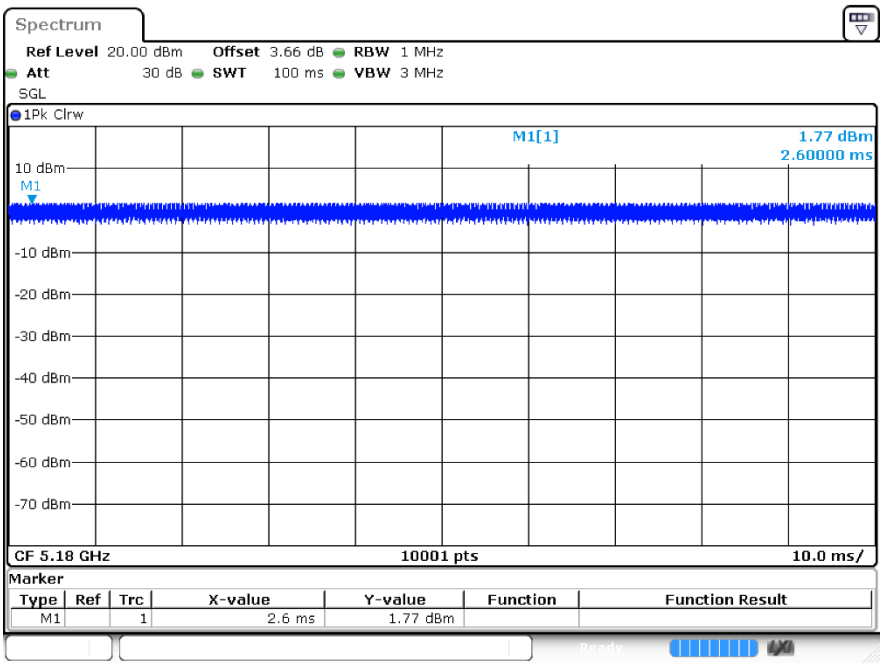
Duty Cycle a 5200MHz Ant2



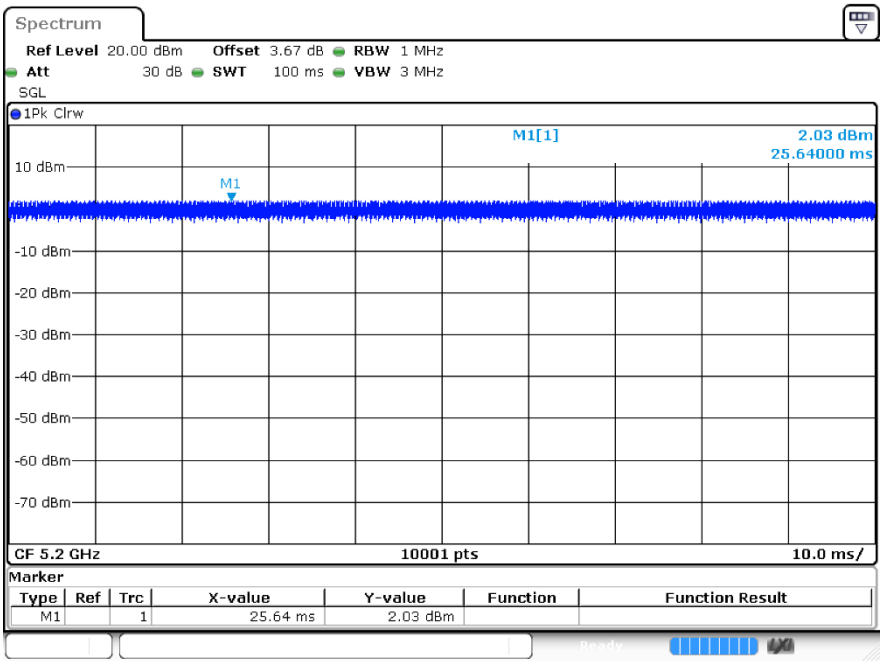
Duty Cyclea 5240MHz Ant2



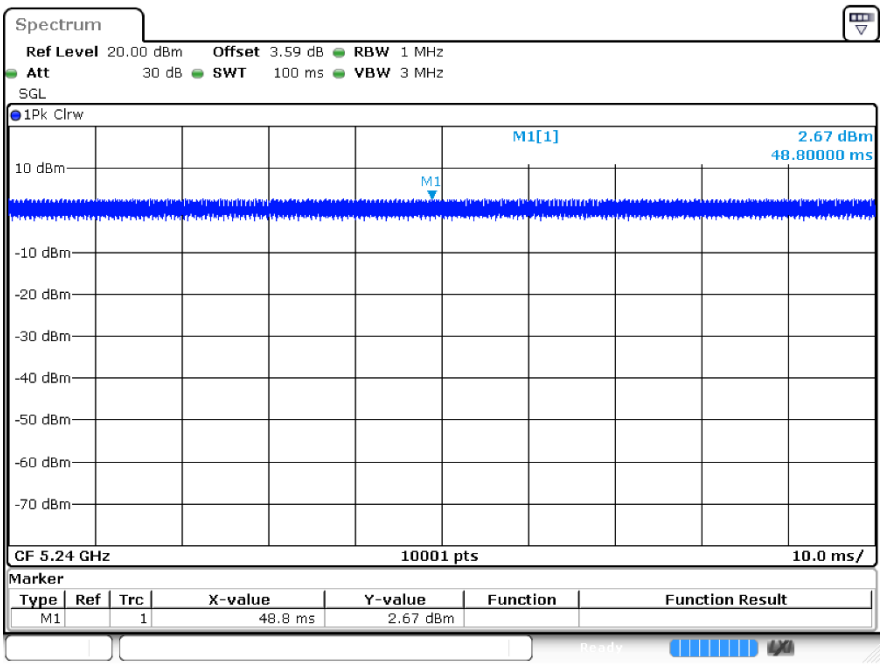
Duty Cycle n20 5180MHz Ant1



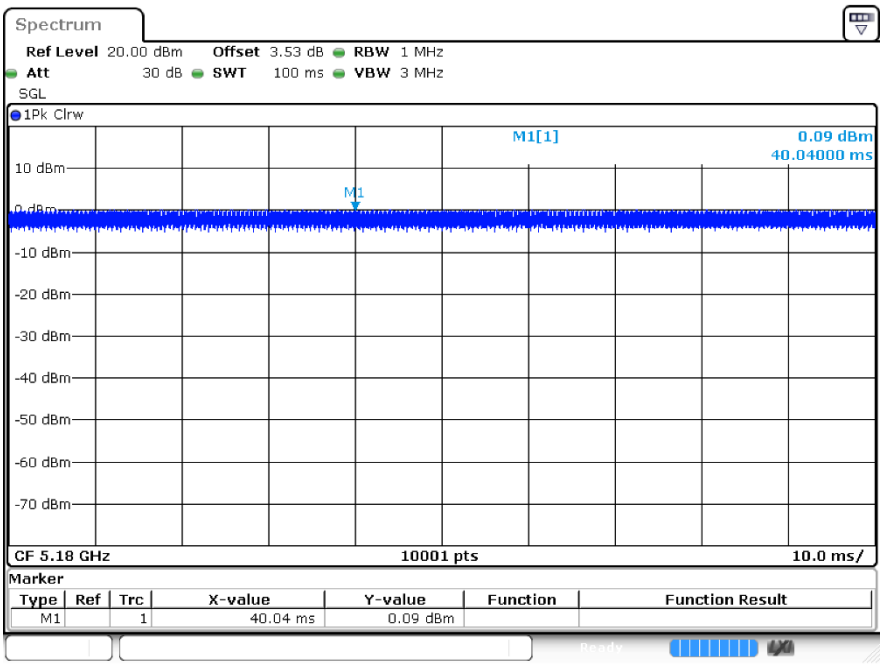
Duty Cycle n20 5200MHz Ant1



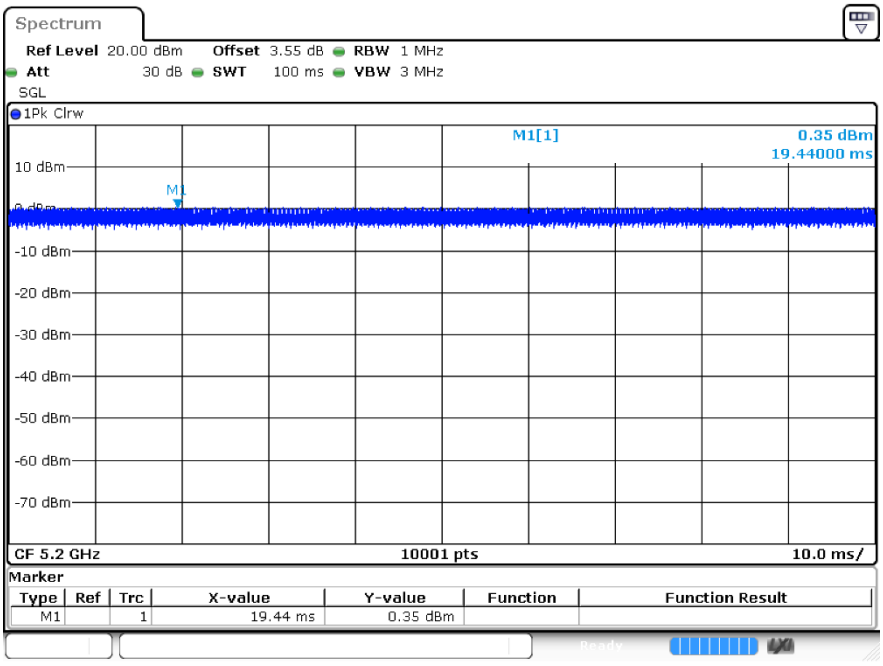
Duty Cycle n20 5240MHz Ant1



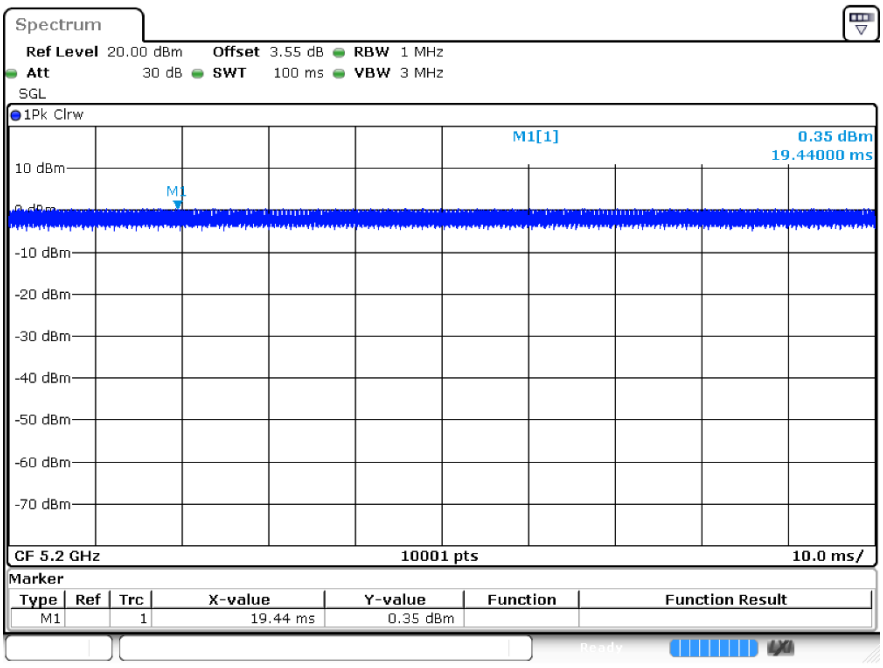
Duty Cycle n20 5180MHz Ant2



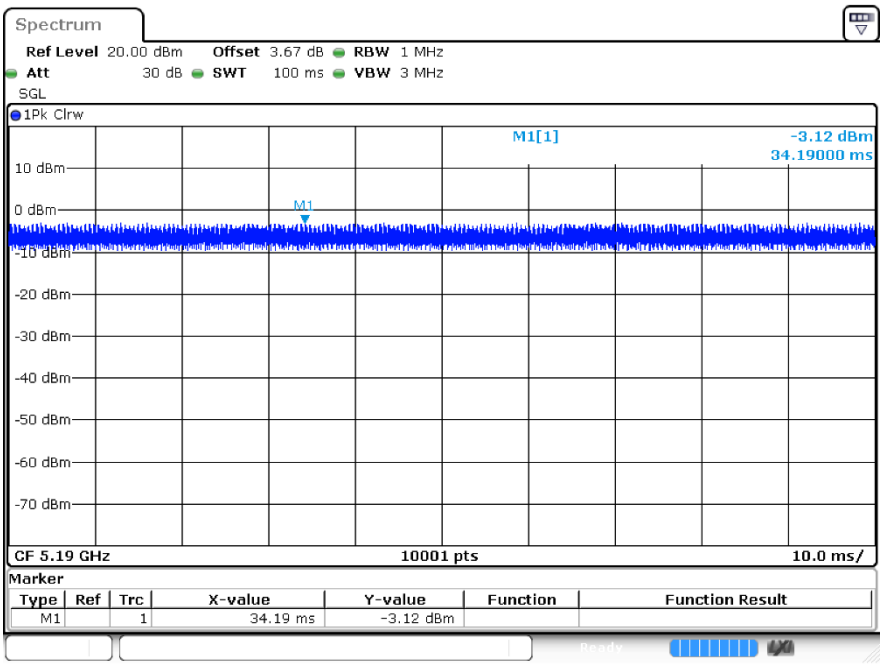
Duty Cycle n20 5200MHz Ant2



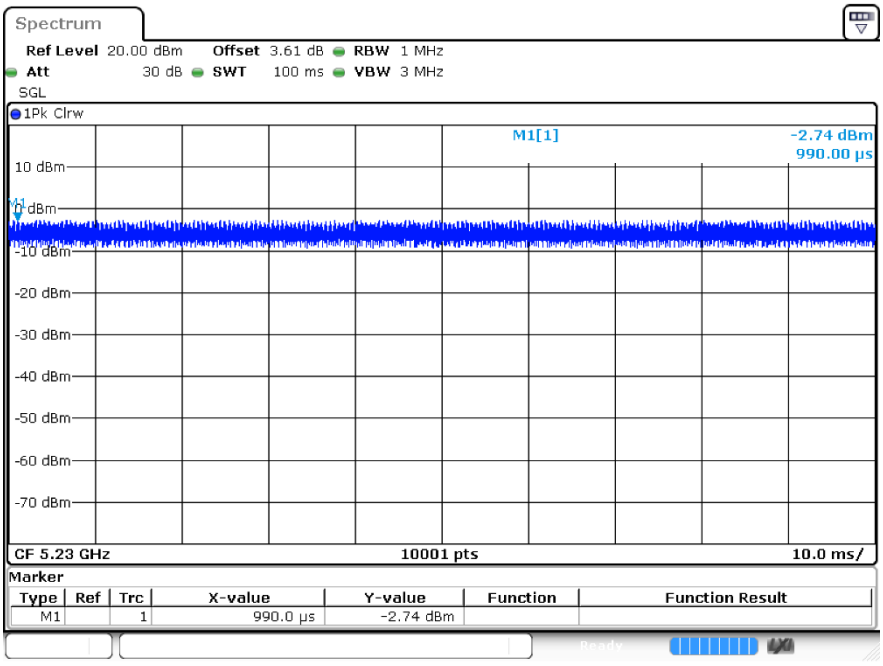
Duty Cycle n20 5200MHz Ant2



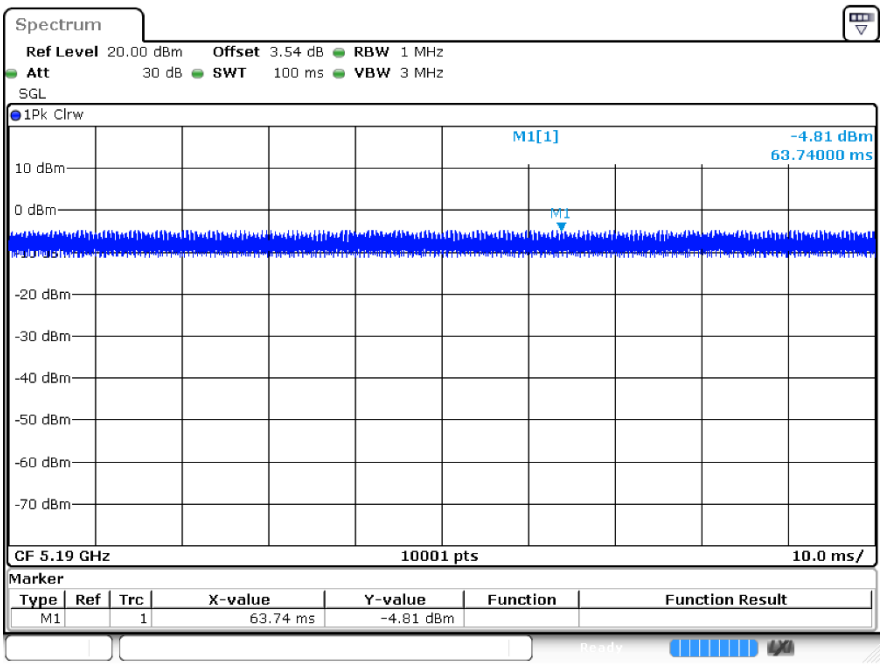
Duty Cyclen40 5190MHz Ant1



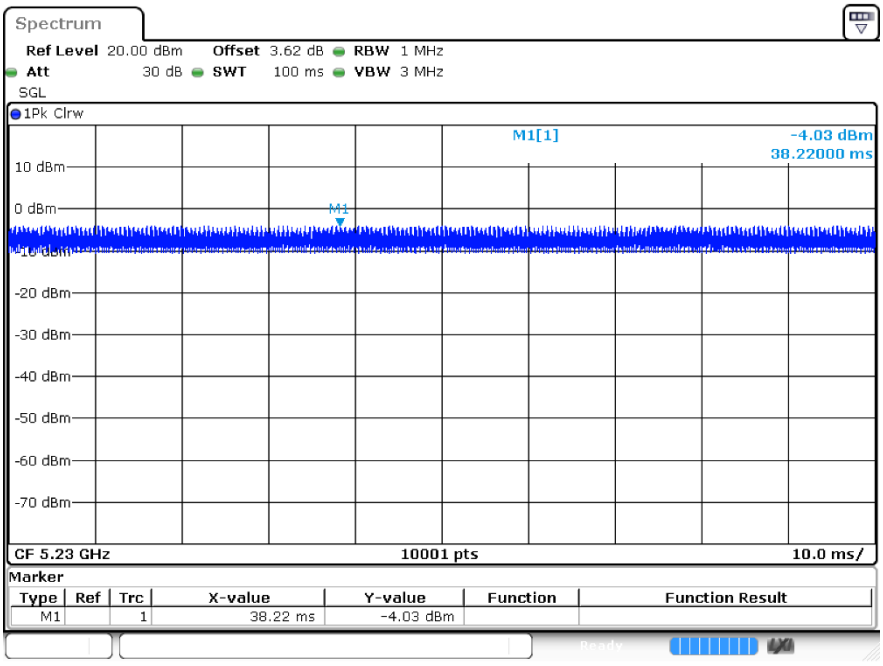
Duty Cyclen40 5230MHz Ant1



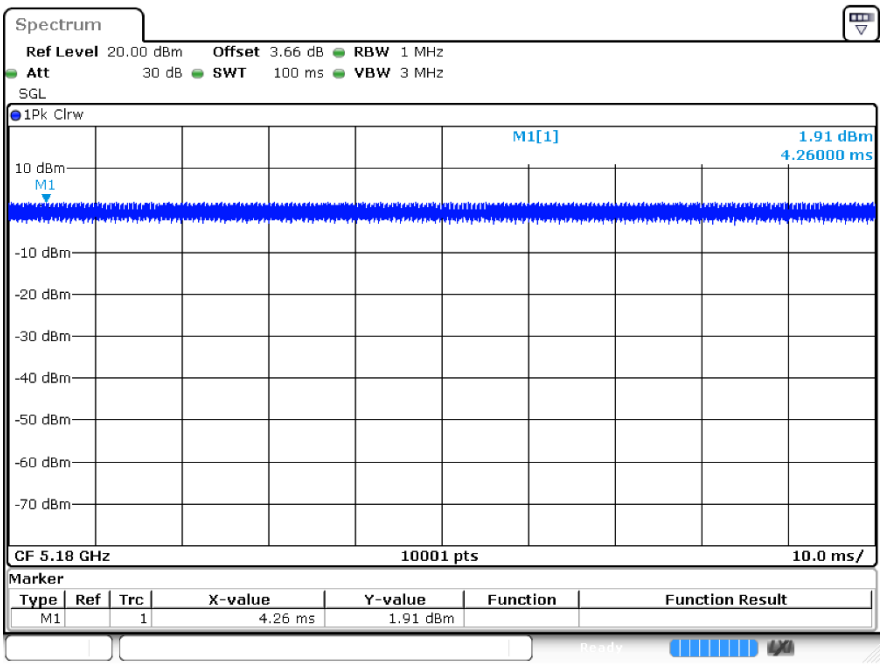
Duty Cyclen40 5190MHz Ant2



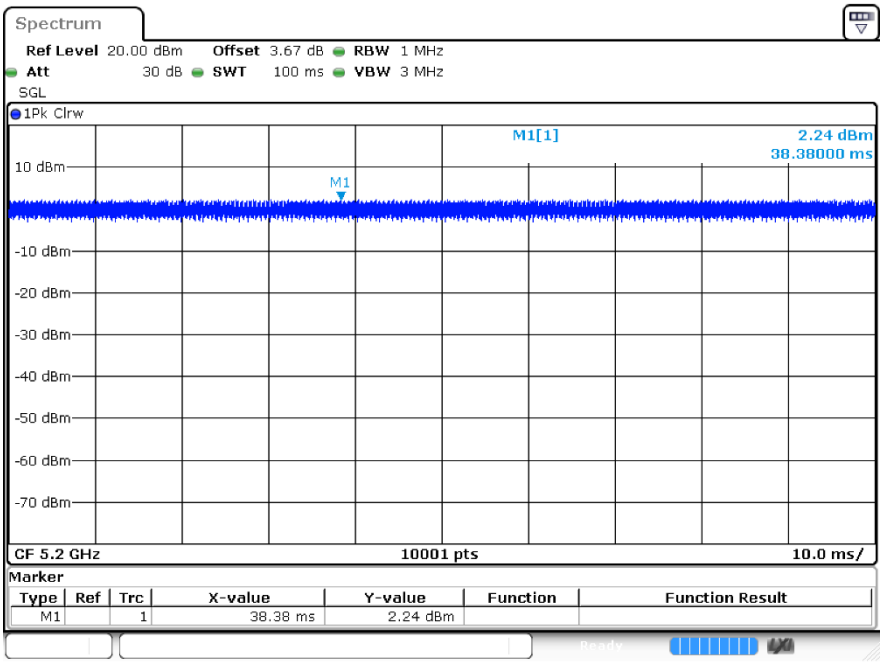
Duty Cyclen40 5230MHz Ant2



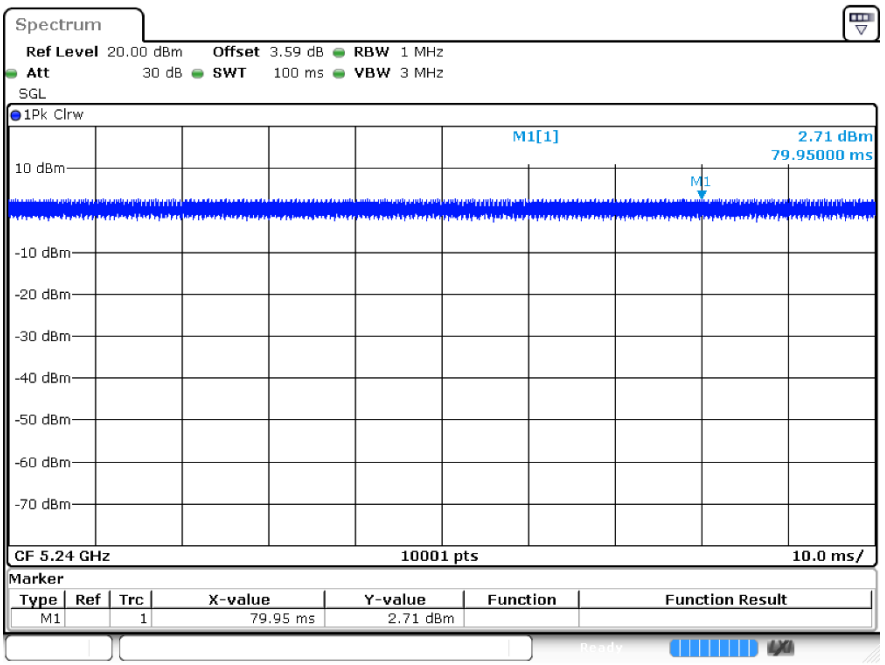
Duty Cycle ac20 5180MHz Ant1



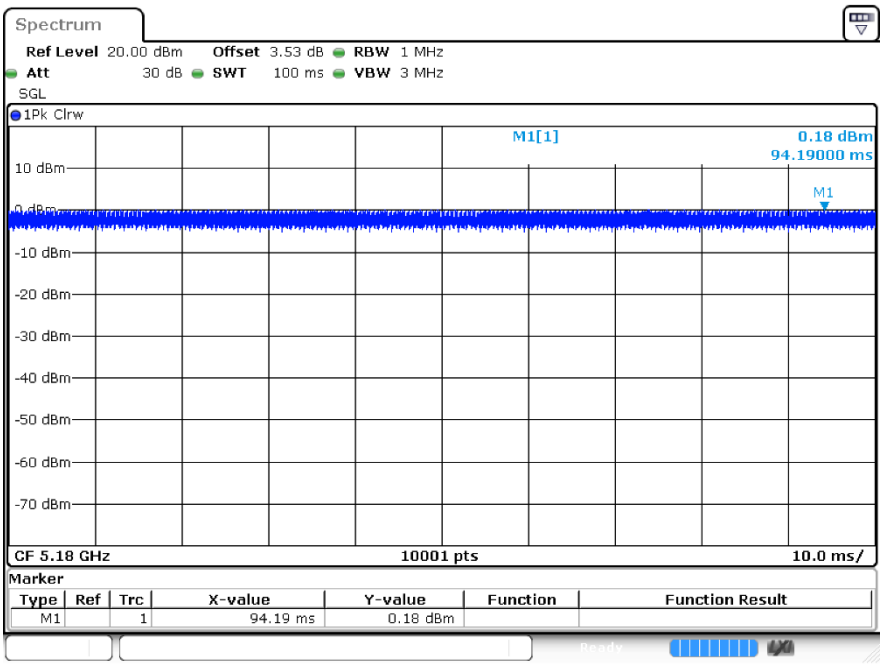
Duty Cycle ac20 5200MHz Ant1



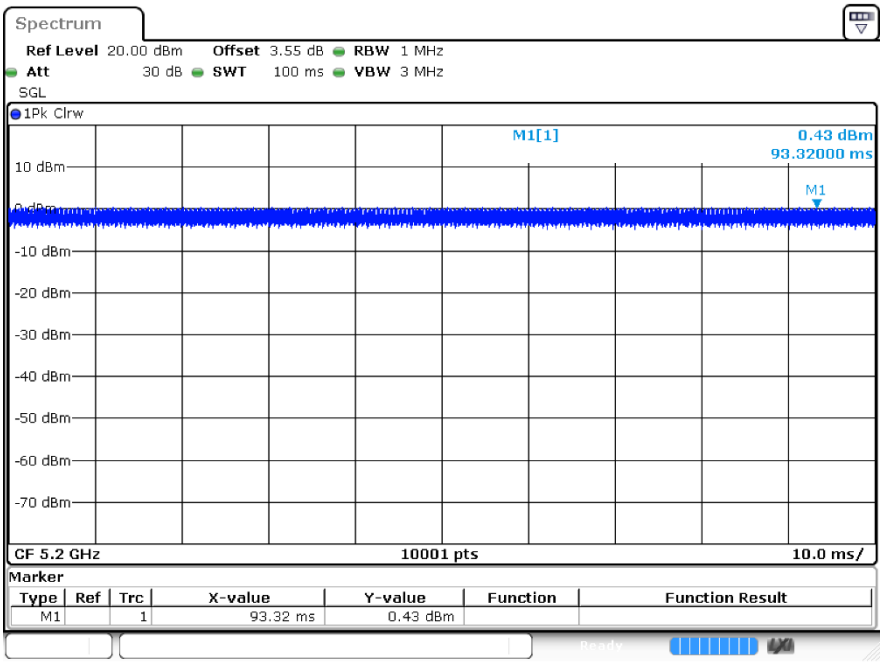
Duty Cycle ac20 5240MHz Ant1



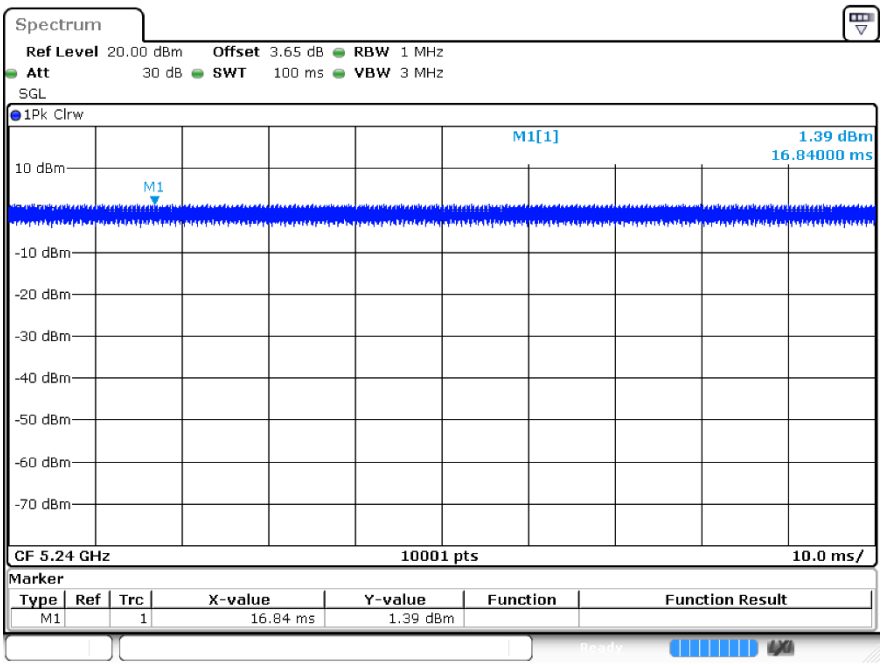
Duty Cycle ac20 5180MHz Ant2



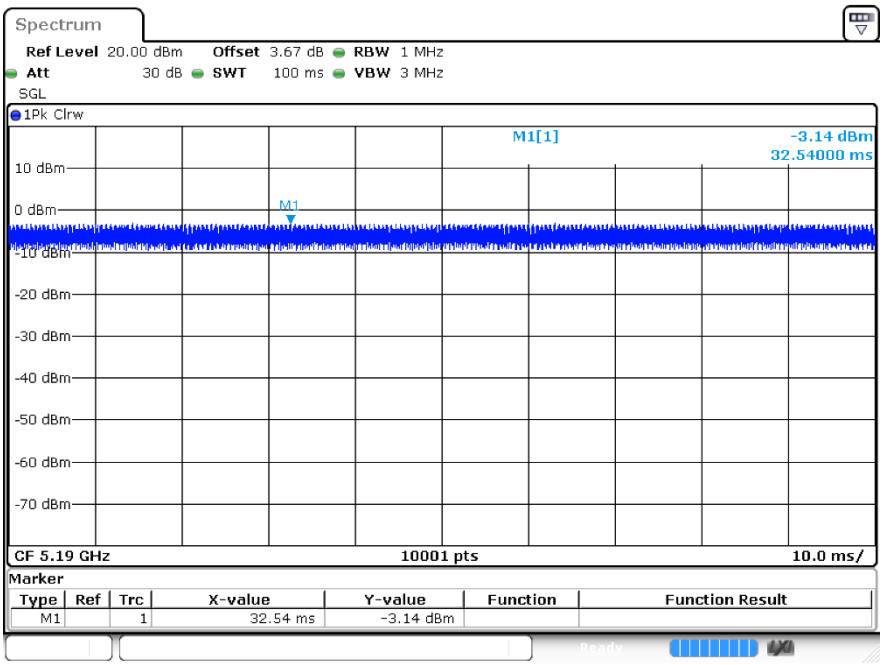
Duty Cycle ac20 5200MHz Ant2



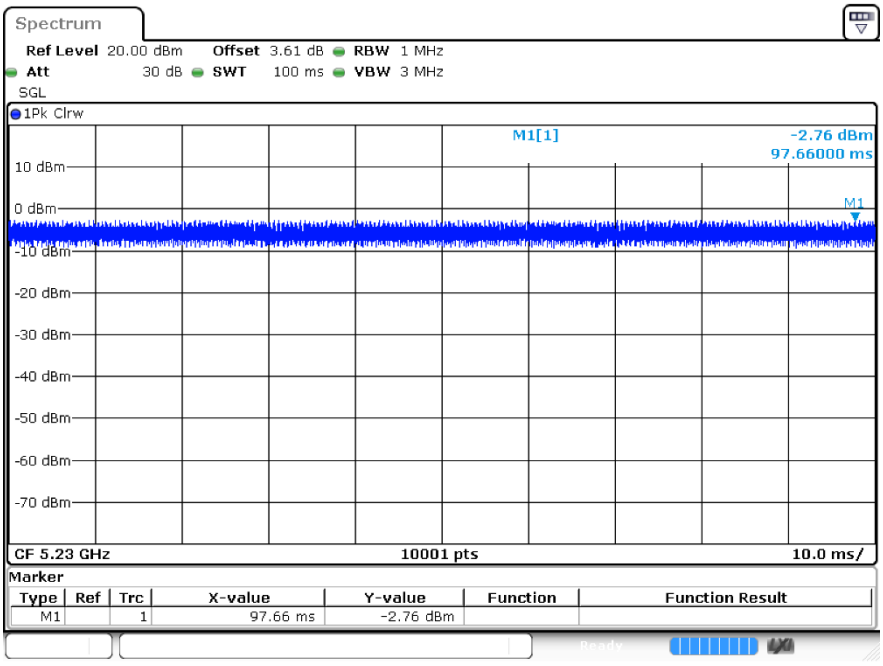
Duty Cycle ac20 5240MHz Ant2



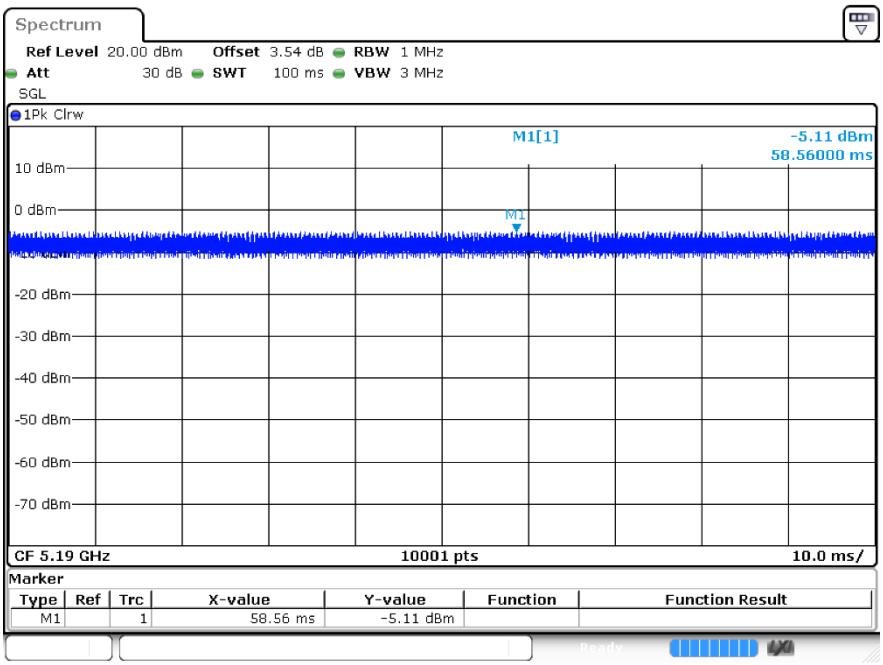
Duty Cycleac40 5190MHz Ant1



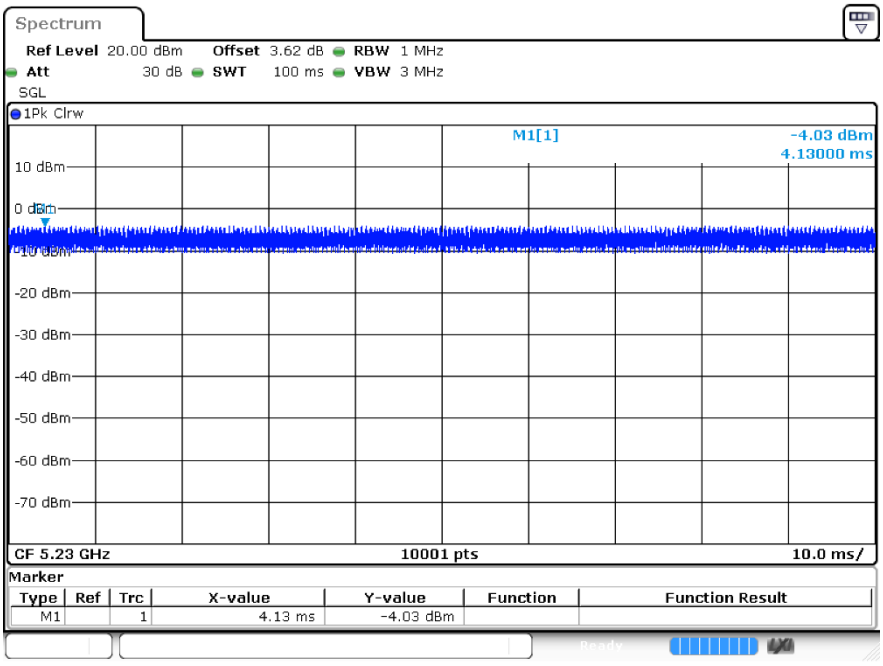
Duty Cycleac40 5230MHz Ant1



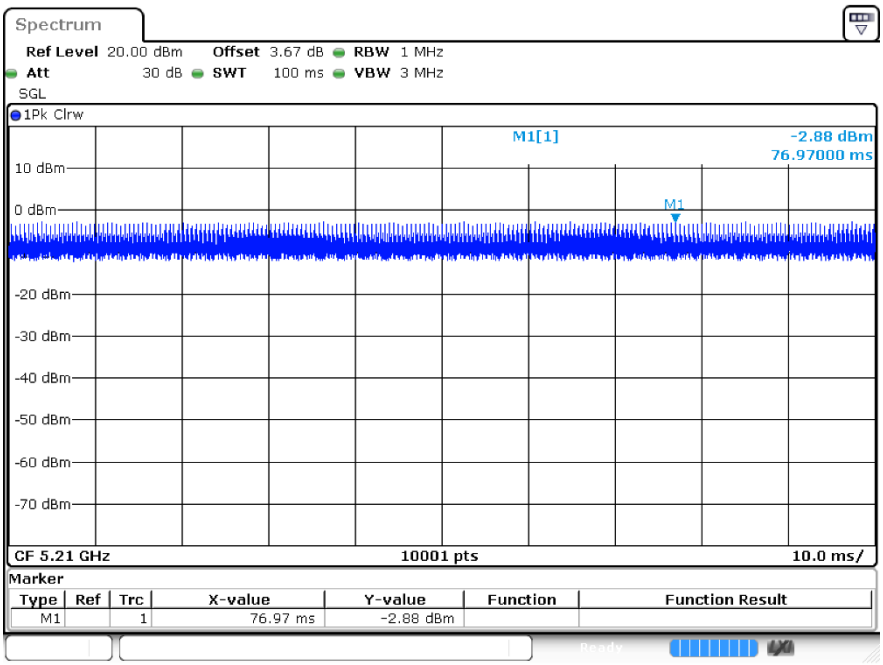
Duty Cycleac40 5190MHz Ant2



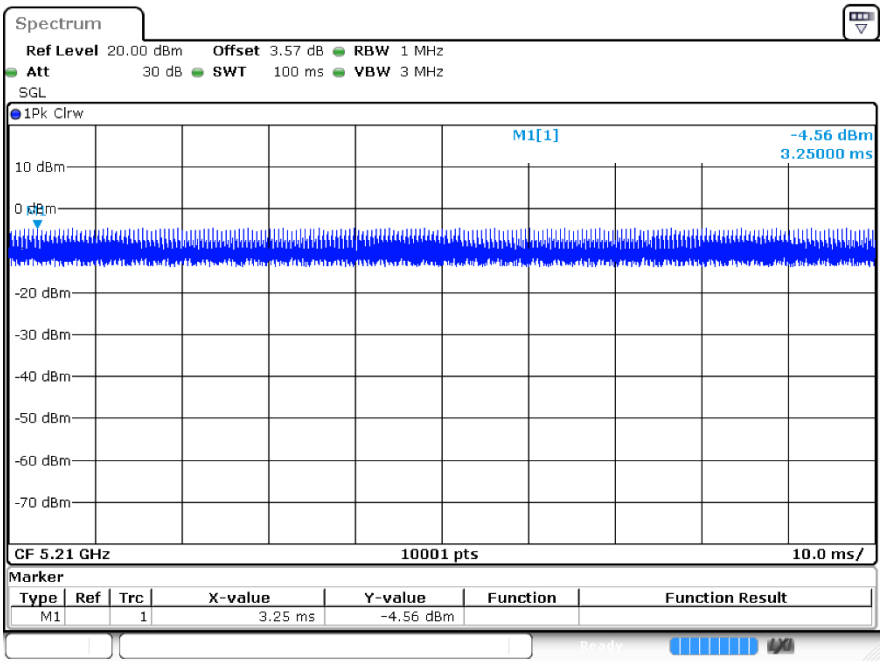
Duty Cycleac40 5230MHz Ant2



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	11.5	24	Pass
a	5200	Ant1	11.78	24	Pass
a	5240	Ant1	12.25	24	Pass
a	5180	Ant2	9.94	24	Pass
a	5200	Ant2	10.06	24	Pass
a	5240	Ant2	11.2	24	Pass
n20	5180	Ant1	11.02	24	Pass
n20	5180	Ant2	9.26	24	Pass
n20	5180	Sum	13.24	24	Pass
n20	5200	Ant1	11.36	24	Pass
n20	5200	Ant2	9.53	24	Pass
n20	5200	Sum	13.55	24	Pass
n20	5240	Ant1	11.9	24	Pass
n20	5240	Ant2	10.59	24	Pass
n20	5240	Sum	14.30	24	Pass
n40	5190	Ant1	10.79	24	Pass
n40	5190	Ant2	9.19	24	Pass
n40	5190	Sum	13.07	24	Pass
n40	5230	Ant1	11.65	24	Pass
n40	5230	Ant2	10.29	24	Pass
n40	5230	Sum	14.03	24	Pass
ac20	5180	Ant1	11.09	24	Pass
ac20	5180	Ant2	9.24	24	Pass
ac20	5180	Sum	13.27	24	Pass
ac20	5200	Ant1	11.23	24	Pass
ac20	5200	Ant2	9.51	24	Pass
ac20	5200	Sum	13.46	24	Pass
ac20	5240	Ant1	11.96	24	Pass
ac20	5240	Ant2	10.46	24	Pass
ac20	5240	Sum	14.28	24	Pass
ac40	5190	Ant1	10.84	24	Pass
ac40	5190	Ant2	8.99	24	Pass
ac40	5190	Sum	13.02	24	Pass
ac40	5230	Ant1	11.23	24	Pass
ac40	5230	Ant2	9.97	24	Pass
ac40	5230	Sum	13.66	24	Pass

ac80	5210	Ant1	10.98	24	Pass
ac80	5210	Ant2	9.04	24	Pass
ac80	5210	Sum	13.13	24	Pass

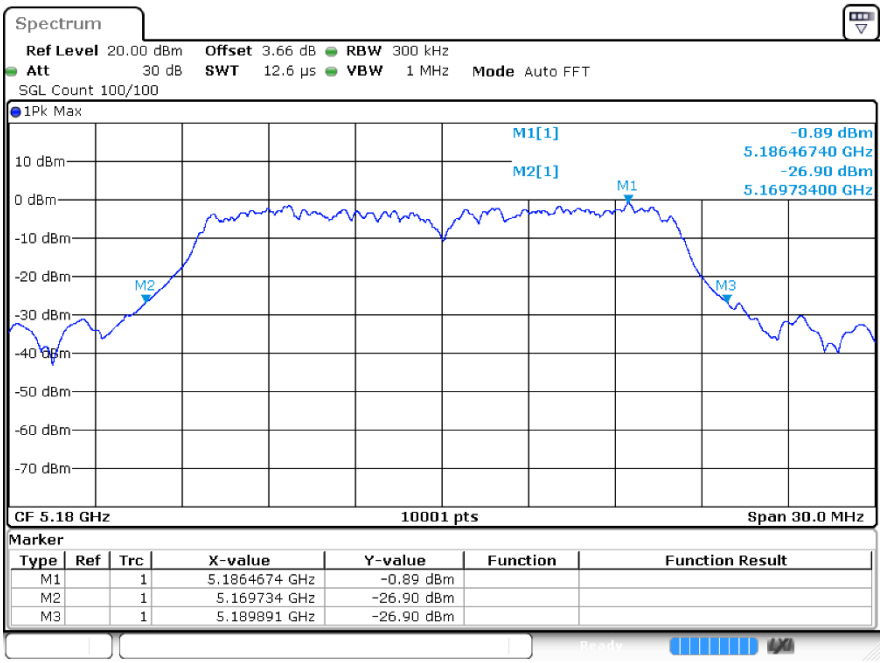
3 -26dB Bandwidth

3.1 Test Result

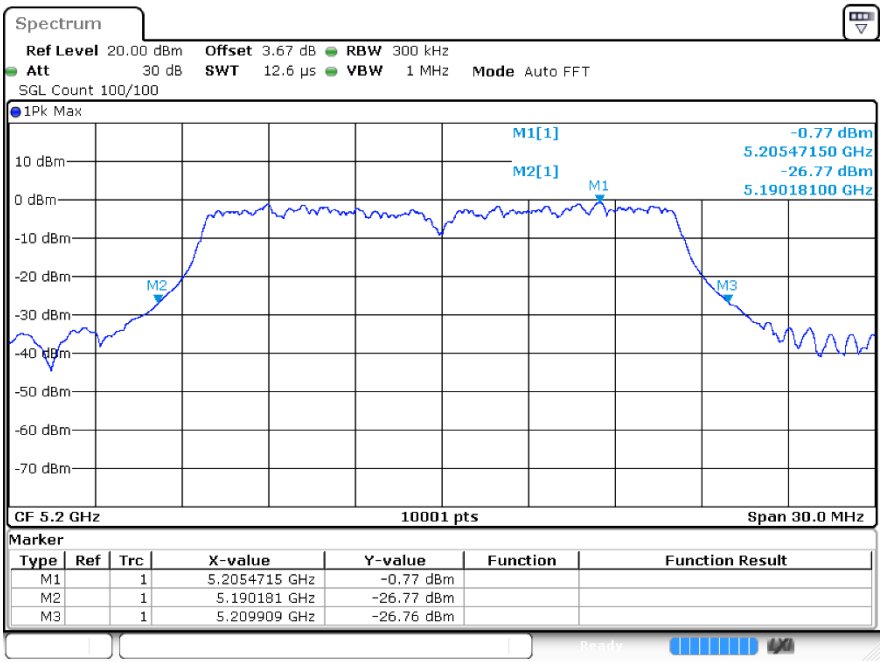
Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
a	5180	Ant1	20.157	0.5	Pass
a	5200	Ant1	19.728	0.5	Pass
a	5240	Ant1	20.436	0.5	Pass
n20	5180	Ant1	21.006	0.5	Pass
n20	5200	Ant1	20.616	0.5	Pass
n20	5240	Ant1	20.619	0.5	Pass
n40	5190	Ant1	39.678	0.5	Pass
n40	5230	Ant1	39.402	0.5	Pass
ac20	5180	Ant1	20.52	0.5	Pass
ac20	5200	Ant1	21.318	0.5	Pass
ac20	5240	Ant1	20.418	0.5	Pass
ac40	5190	Ant1	39.54	0.5	Pass
ac40	5230	Ant1	39.846	0.5	Pass
ac80	5210	Ant1	79.584	0.5	Pass
a	5180	Ant2	19.881	0.5	Pass
a	5200	Ant2	19.518	0.5	Pass
a	5240	Ant2	26.127	0.5	Pass
n20	5180	Ant2	20.508	0.5	Pass
n20	5200	Ant2	21.234	0.5	Pass
n20	5240	Ant2	20.841	0.5	Pass
n40	5190	Ant2	40.476	0.5	Pass
n40	5230	Ant2	39.096	0.5	Pass
ac20	5180	Ant2	20.802	0.5	Pass
ac20	5200	Ant2	20.871	0.5	Pass
ac20	5240	Ant2	21.435	0.5	Pass
ac40	5190	Ant2	40.638	0.5	Pass
ac40	5230	Ant2	40.392	0.5	Pass
ac80	5210	Ant2	79.8	0.5	Pass

3.2 Test Graphs

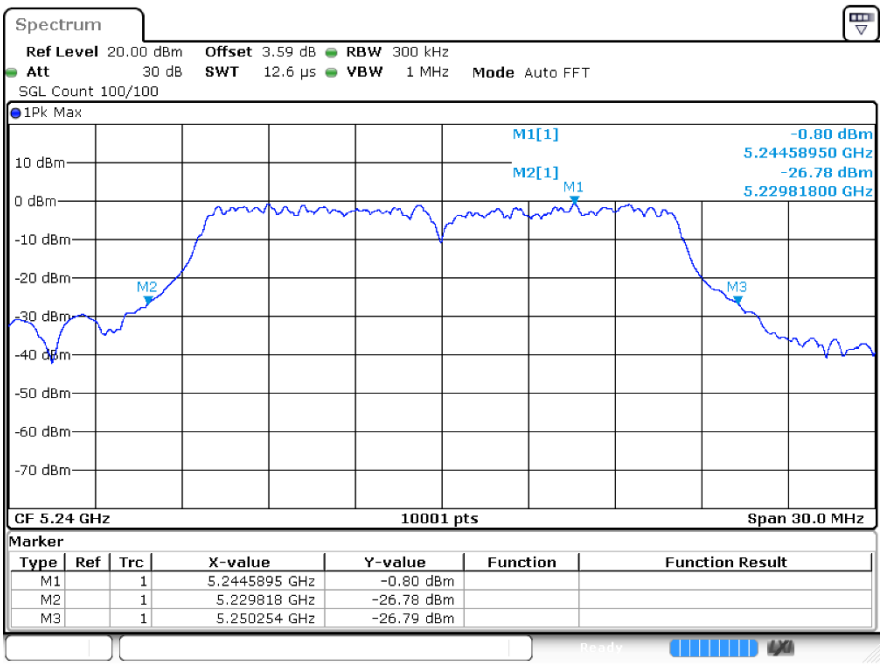
Test Graphs
-26dB Bandwidtha 5180MHz Ant1



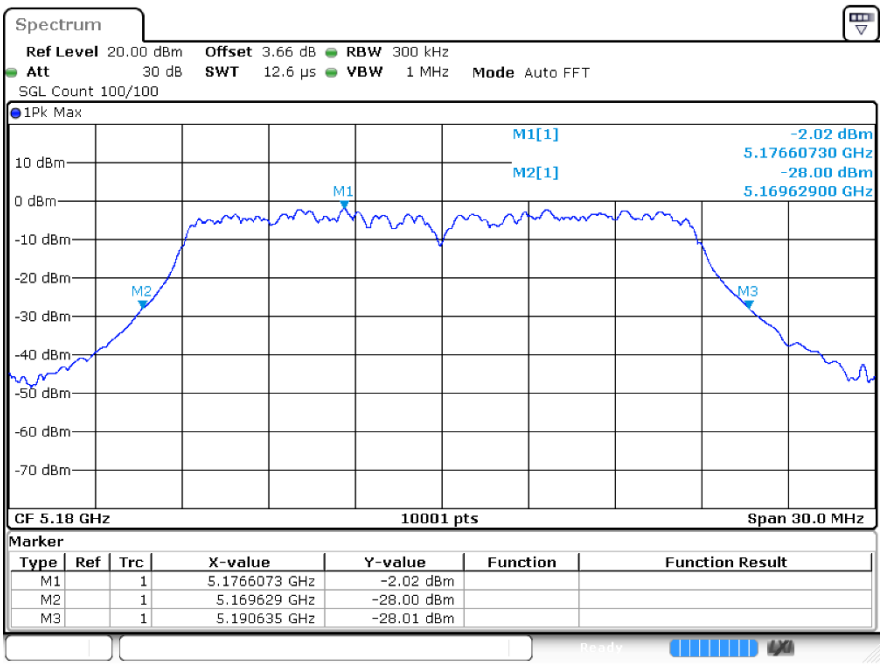
-26dB Bandwidtha 5200MHz Ant1



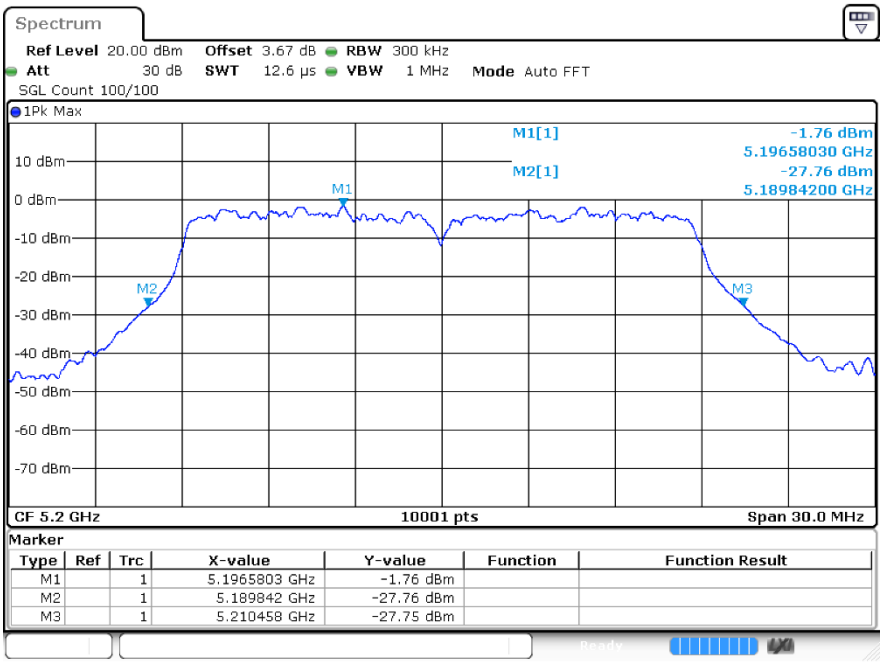
-26dB Bandwidtha 5240MHz Ant1



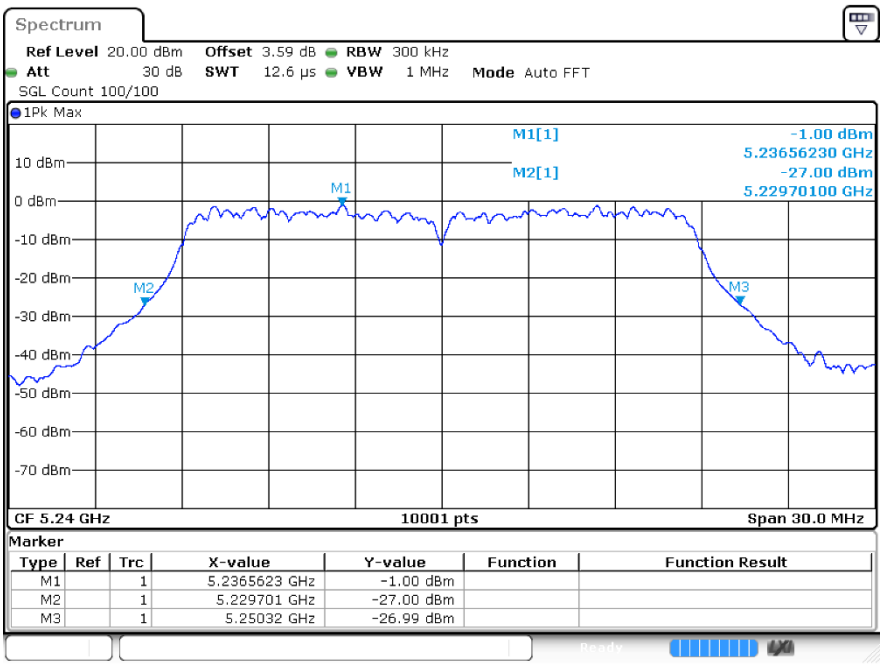
-26dB Bandwidth n20 5180MHz Ant1



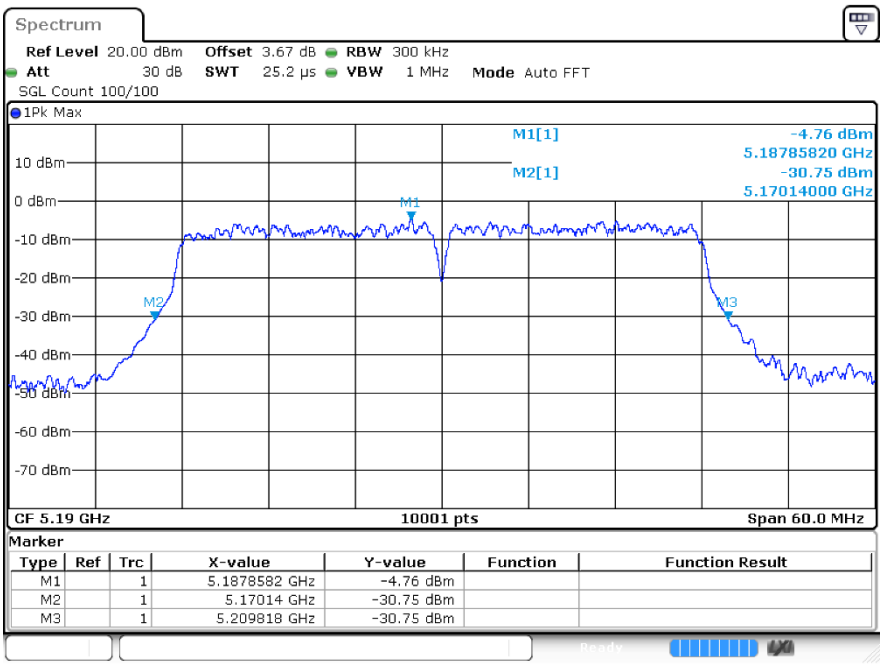
-26dB Bandwidth n20 5200MHz Ant1



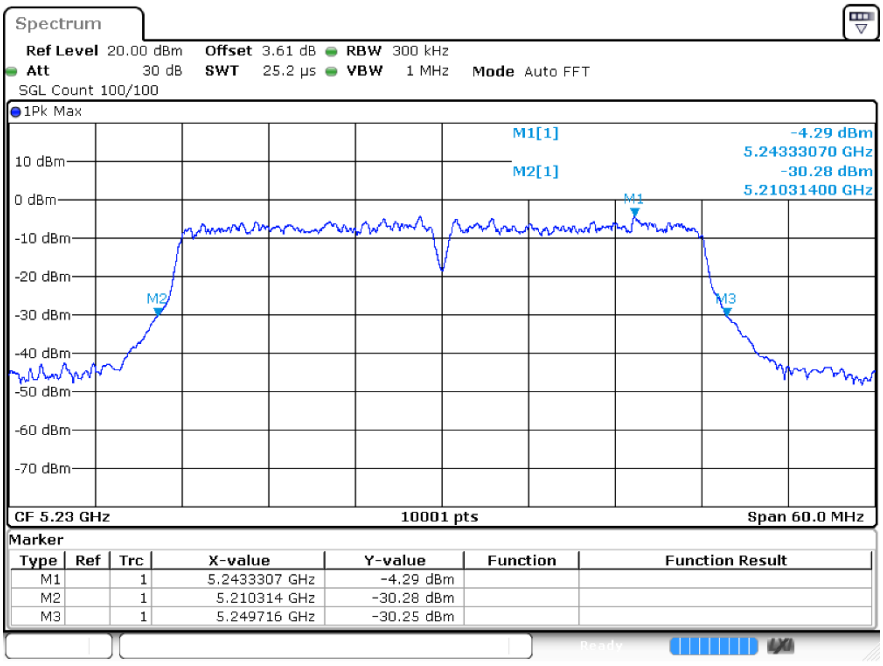
-26dB Bandwidth n20 5240MHz Ant1



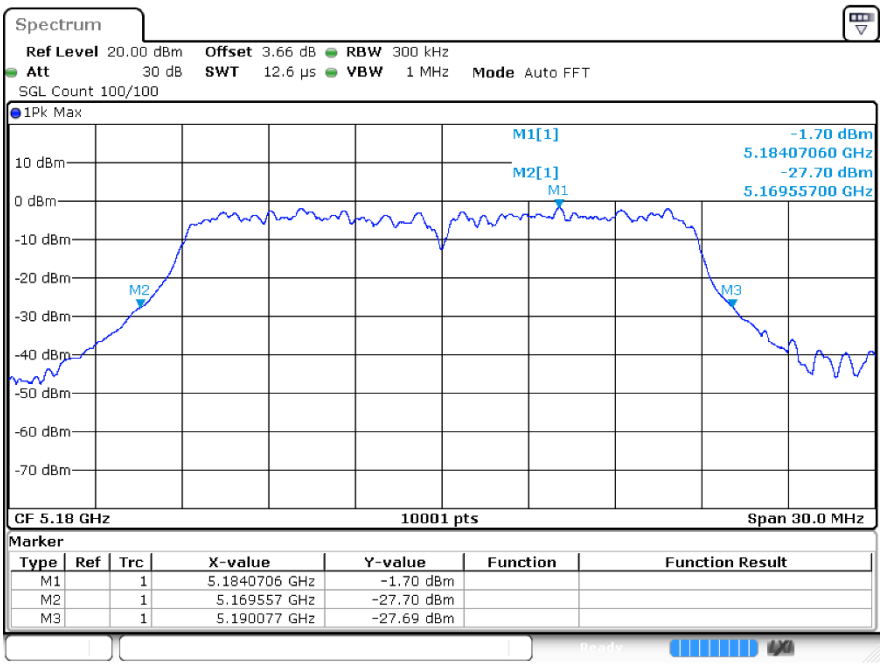
-26dB Bandwidthn40 5190MHz Ant1



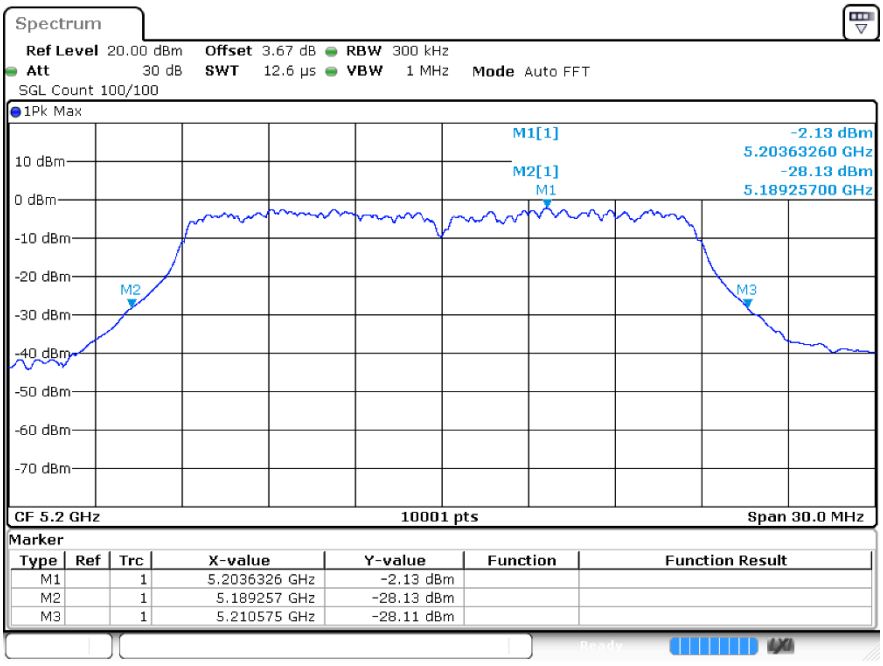
-26dB Bandwidthn40 5230MHz Ant1



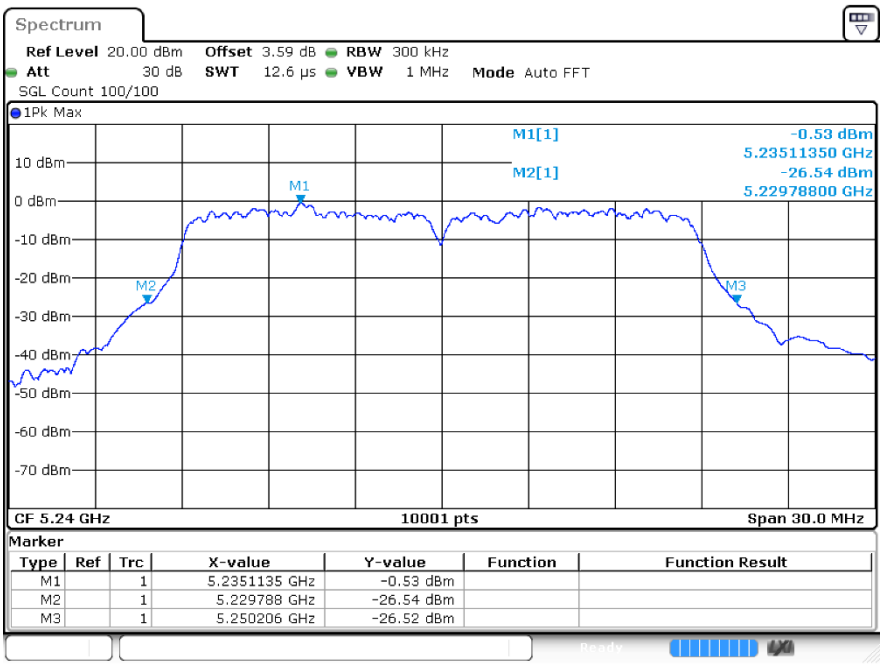
-26dB Bandwidth ac20 5180MHz Ant1



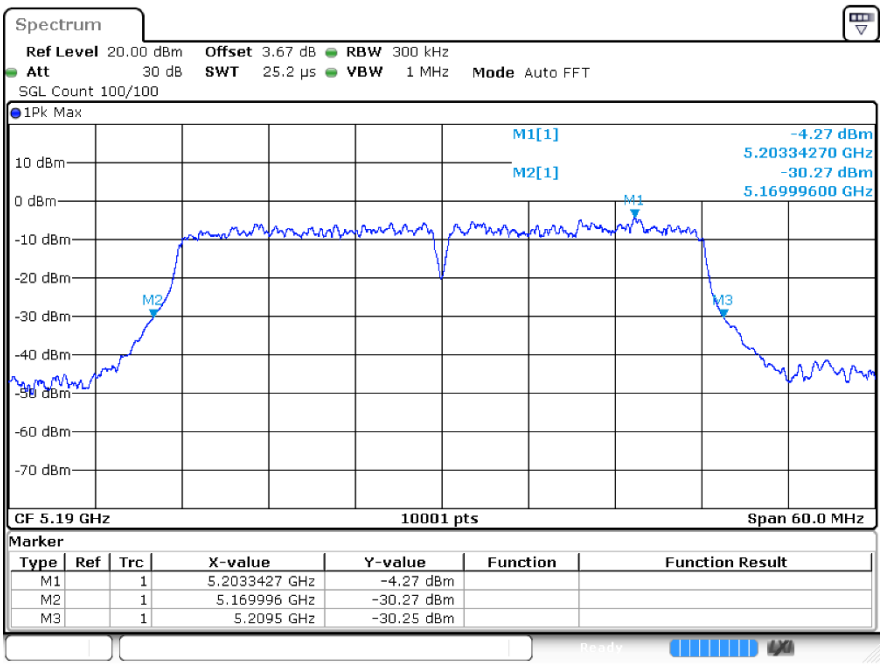
-26dB Bandwidth ac20 5200MHz Ant1



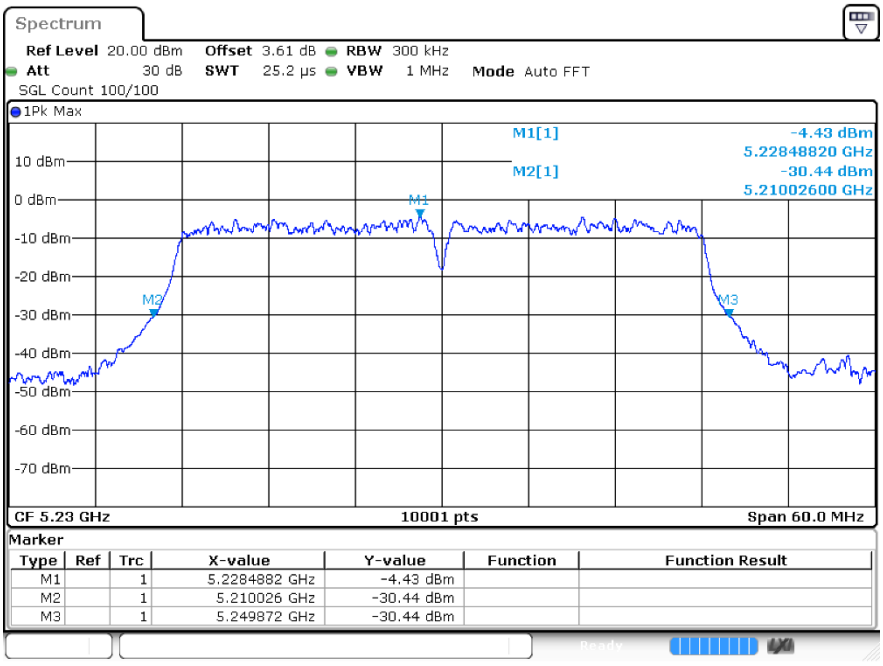
-26dB Bandwidth ac20 5240MHz Ant1



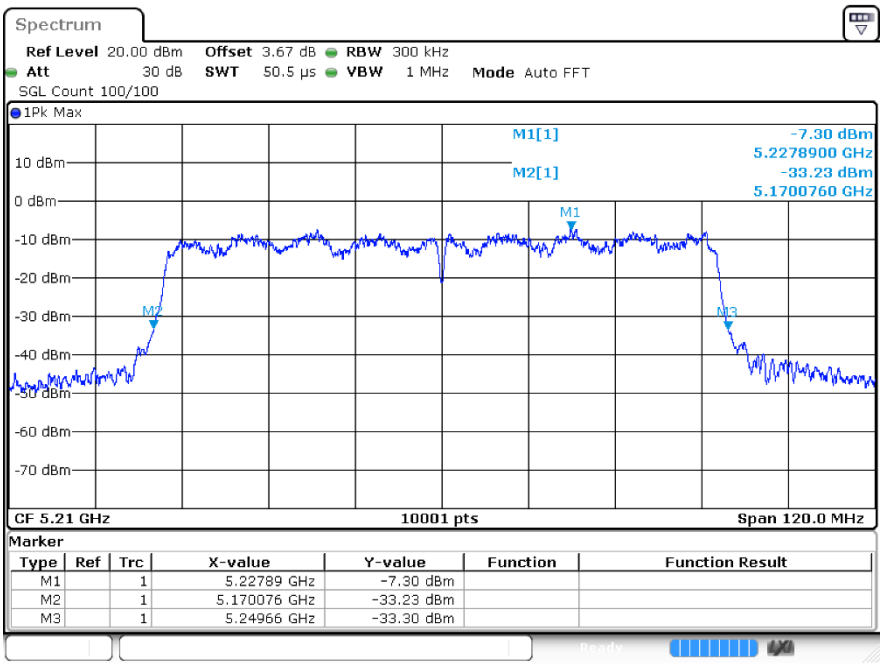
-26dB Bandwidthac40 5190MHz Ant1



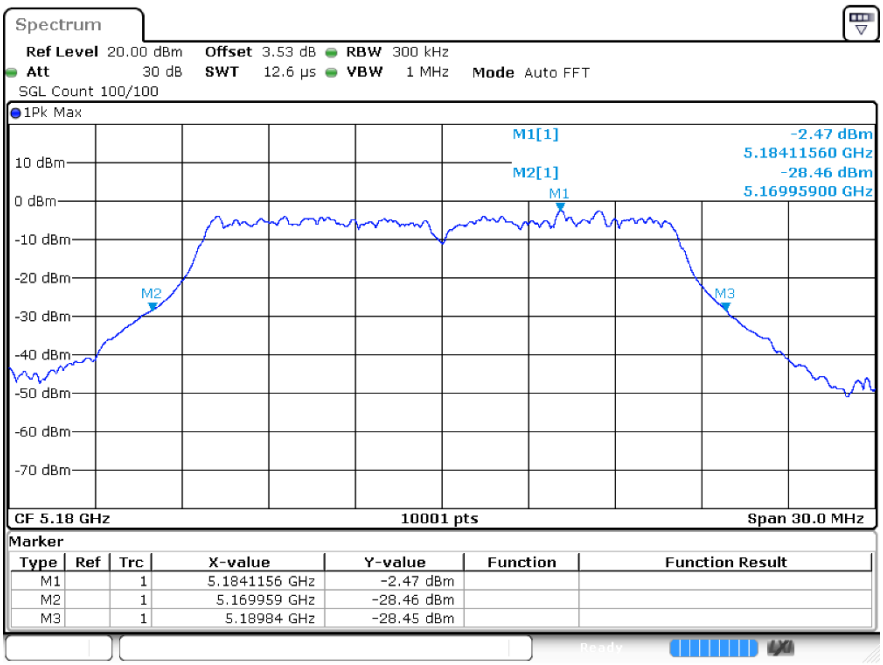
-26dB Bandwidthac40 5230MHz Ant1



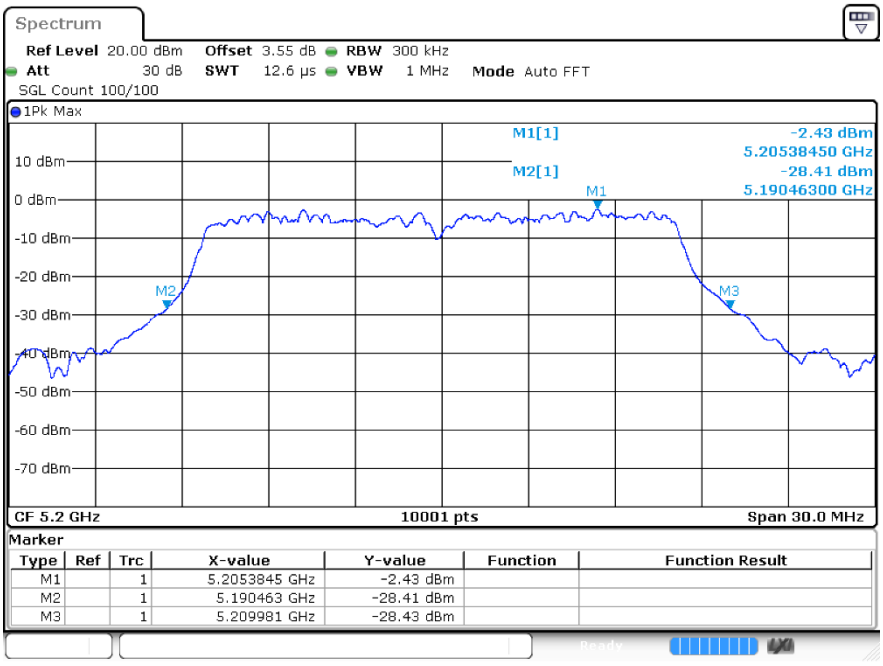
-26dB Bandwidthac80 5210MHz Ant1



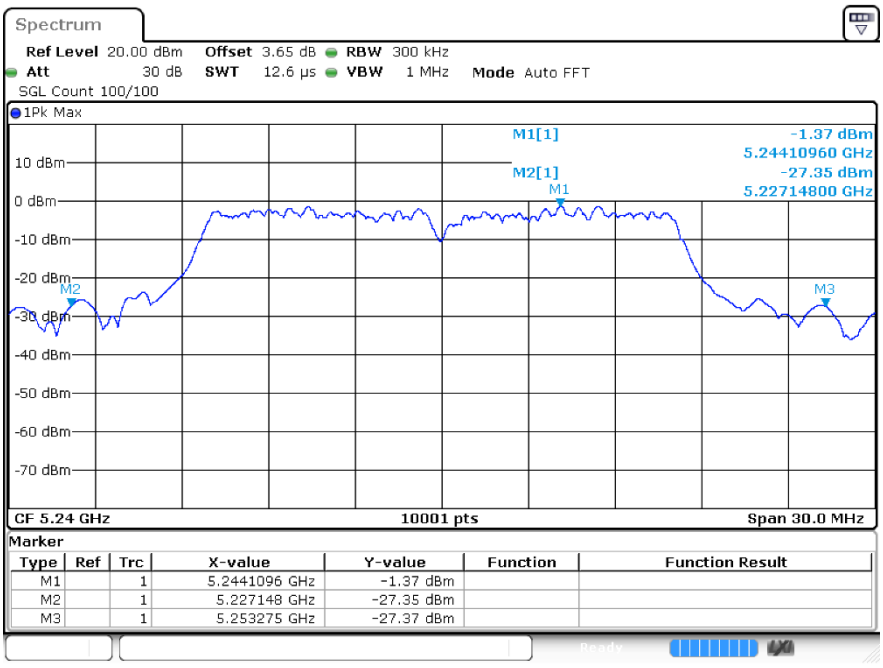
-26dB Bandwidtha 5180MHz Ant2



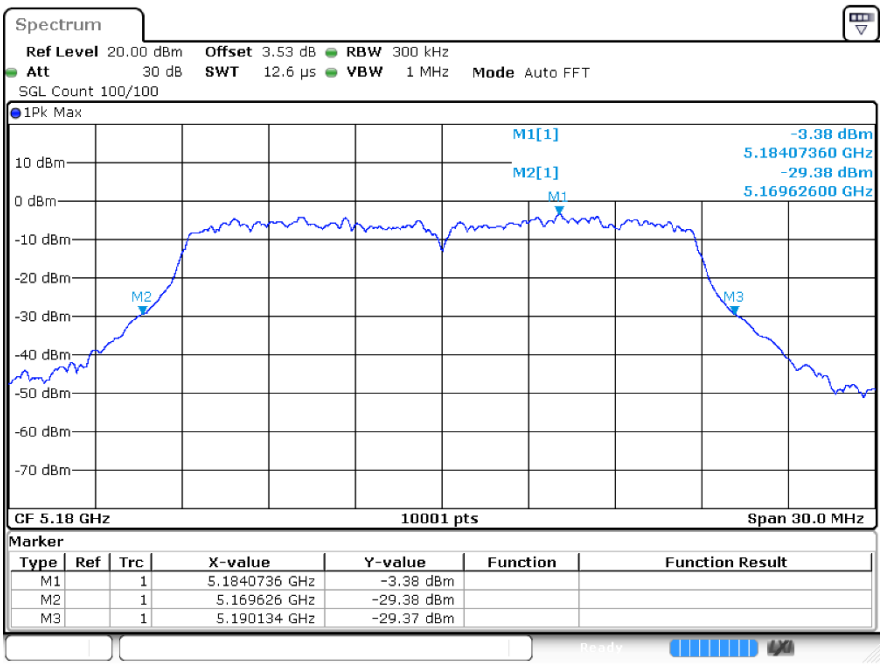
-26dB Bandwidtha 5200MHz Ant2



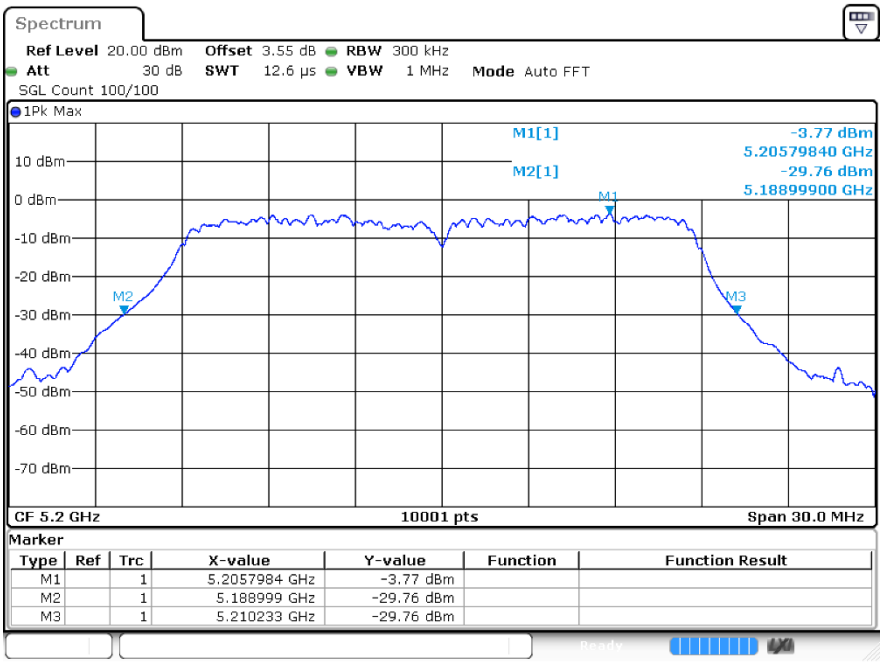
-26dB Bandwidtha 5240MHz Ant2



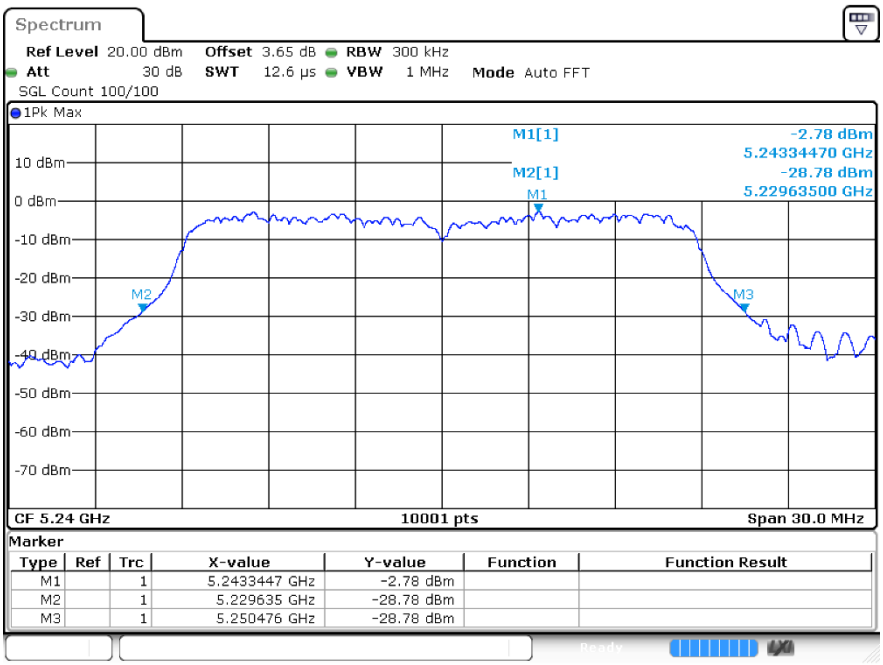
-26dB Bandwidth n20 5180MHz Ant2



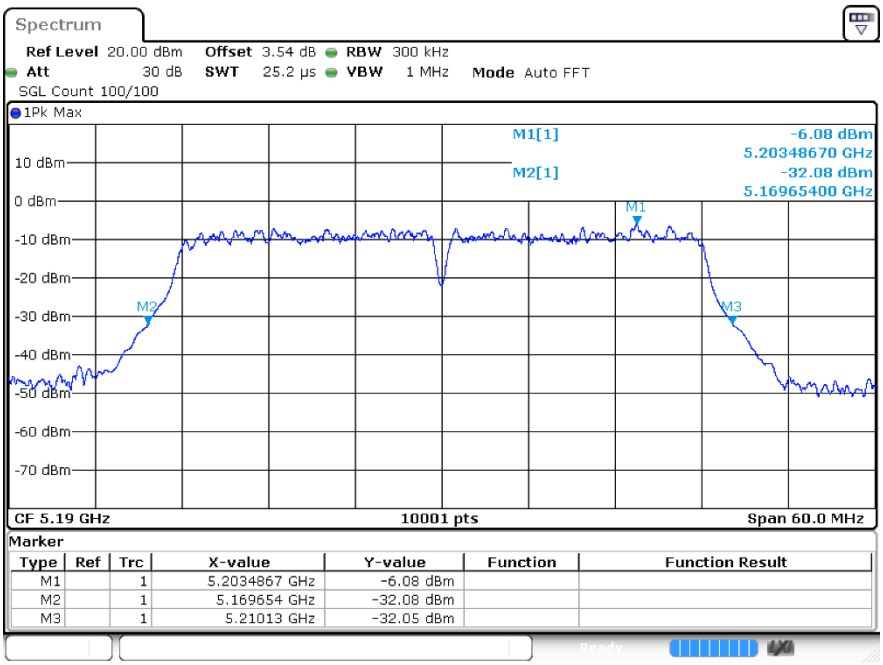
-26dB Bandwidth n20 5200MHz Ant2



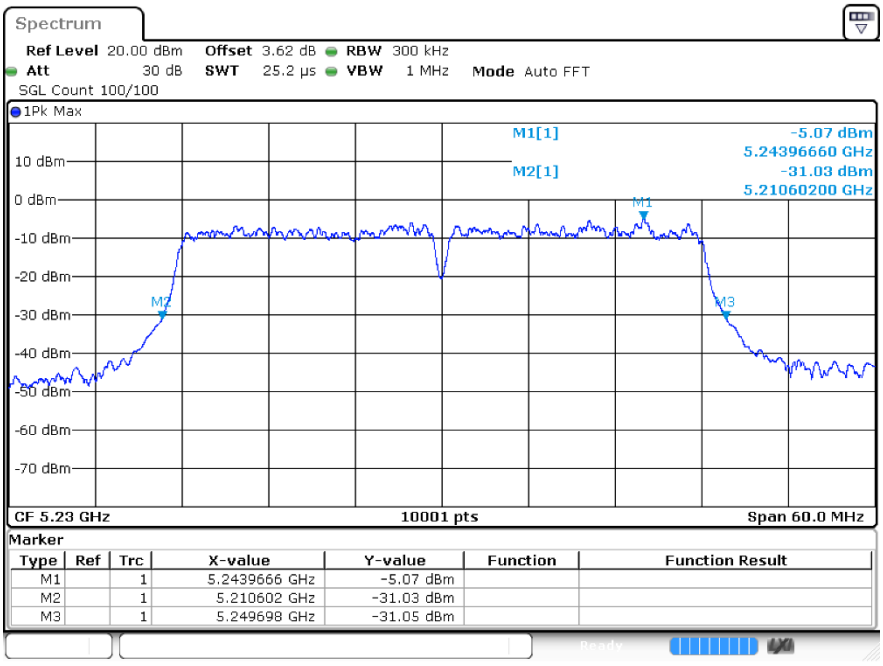
-26dB Bandwidth n20 5240MHz Ant2



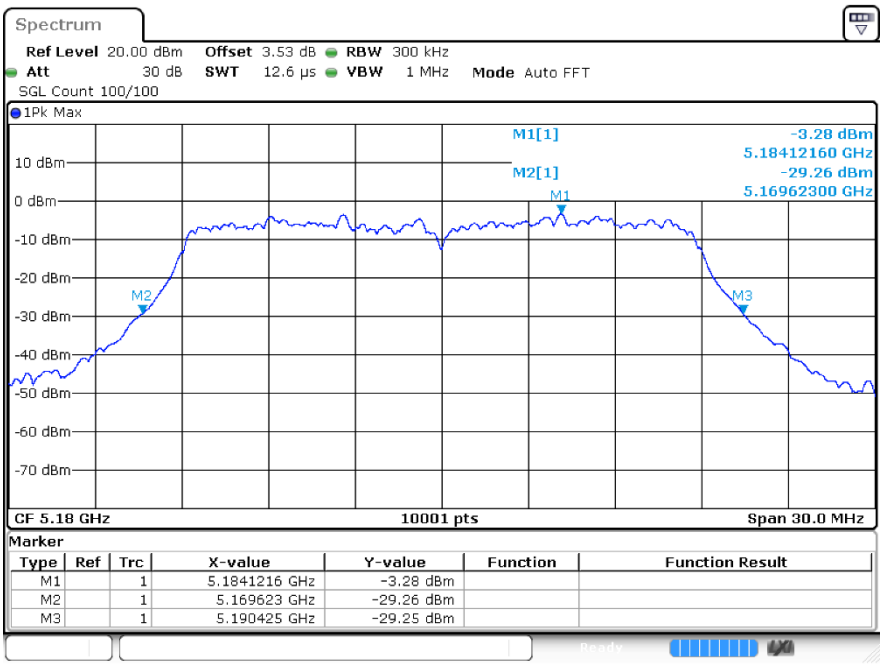
-26dB Bandwidthn40 5190MHz Ant2



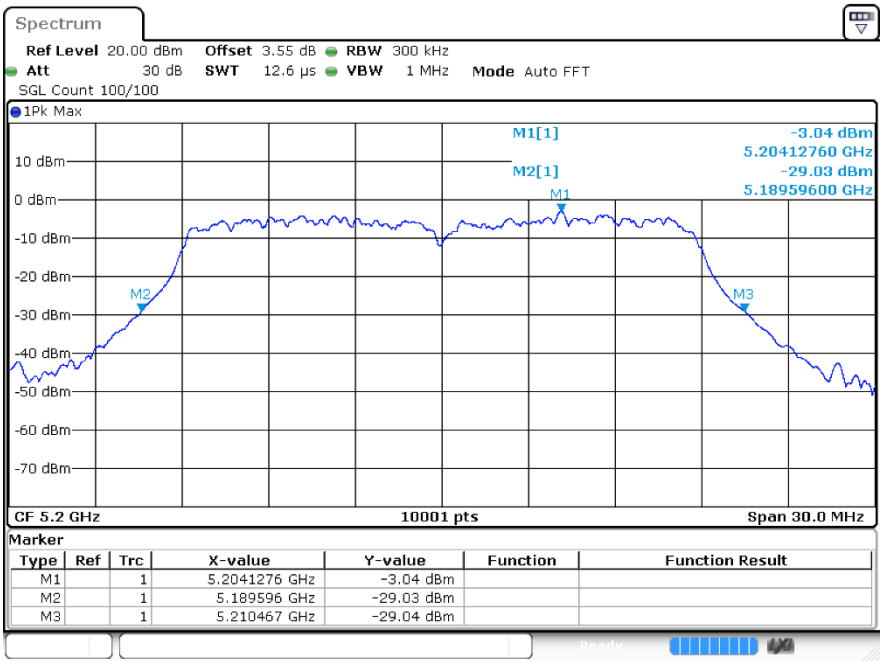
-26dB Bandwidthn40 5230MHz Ant2



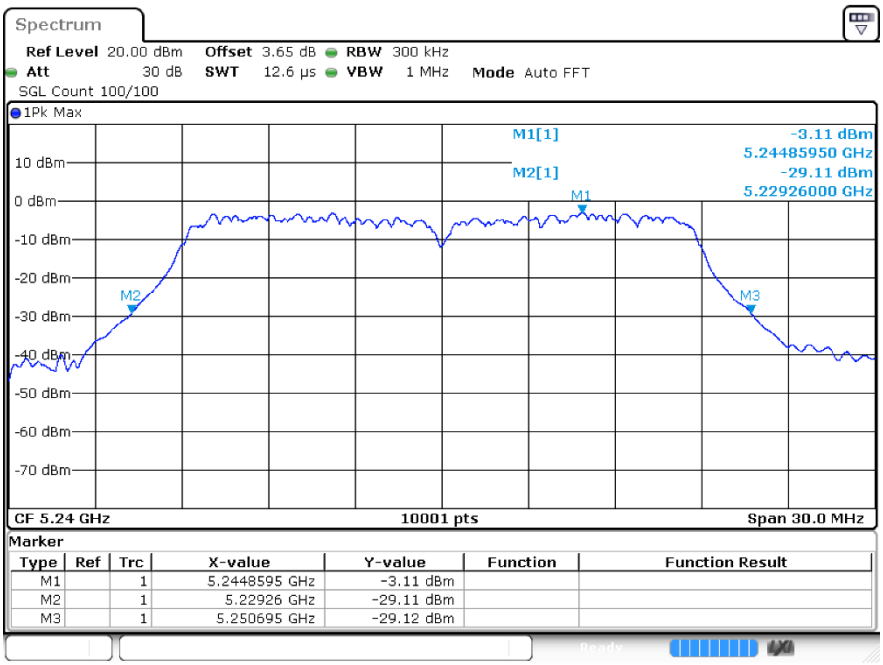
-26dB Bandwidth ac20 5180MHz Ant2



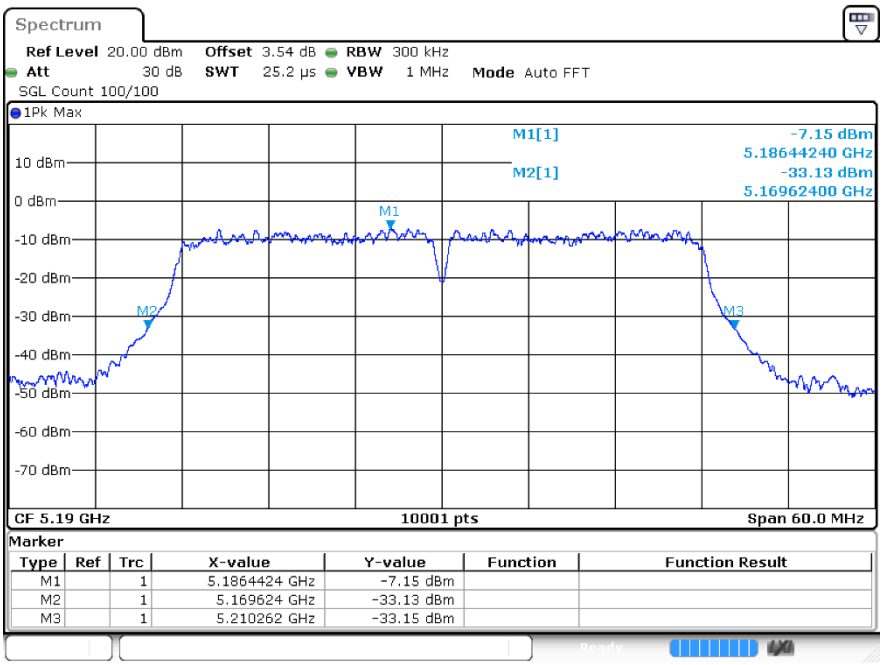
-26dB Bandwidth ac20 5200MHz Ant2



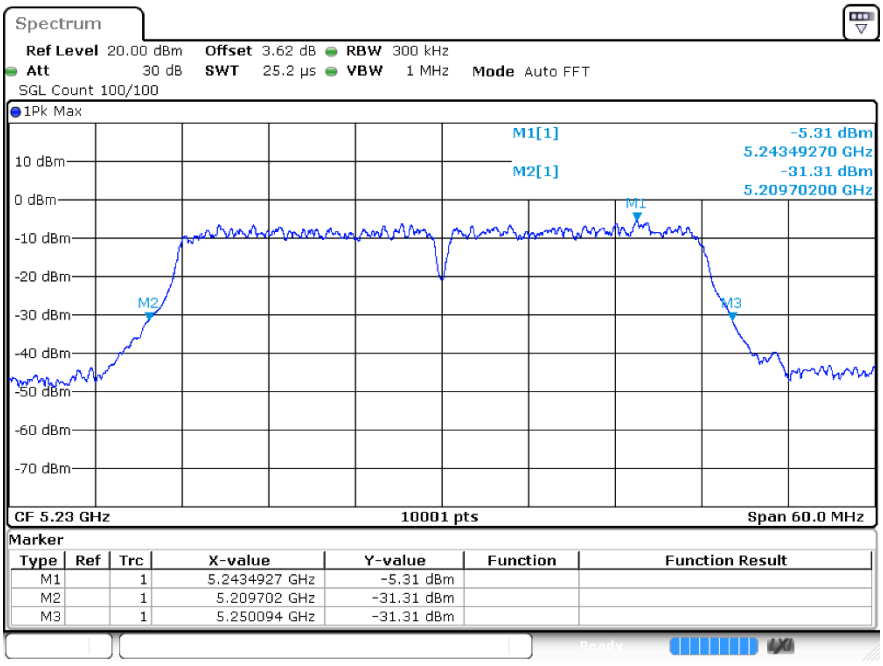
-26dB Bandwidth ac20 5240MHz Ant2



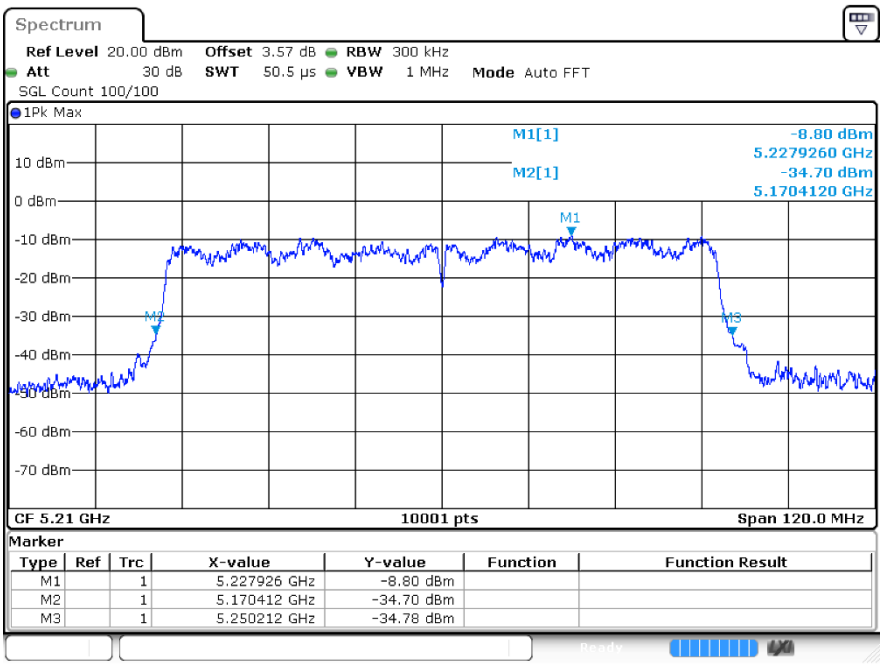
-26dB Bandwidthac40 5190MHz Ant2



-26dB Bandwidthac40 5230MHz Ant2



-26dB Bandwidthac80 5210MHz Ant2

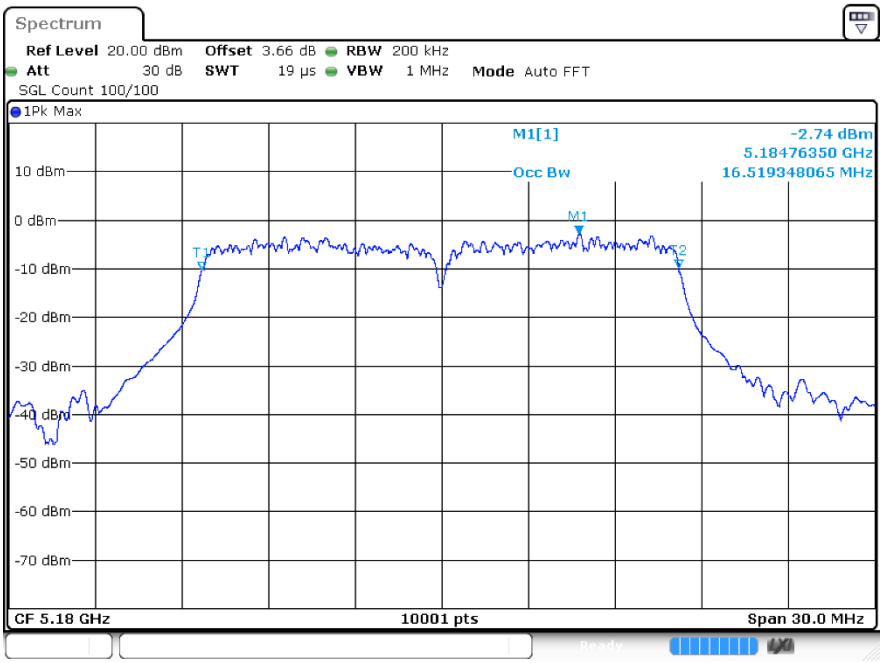
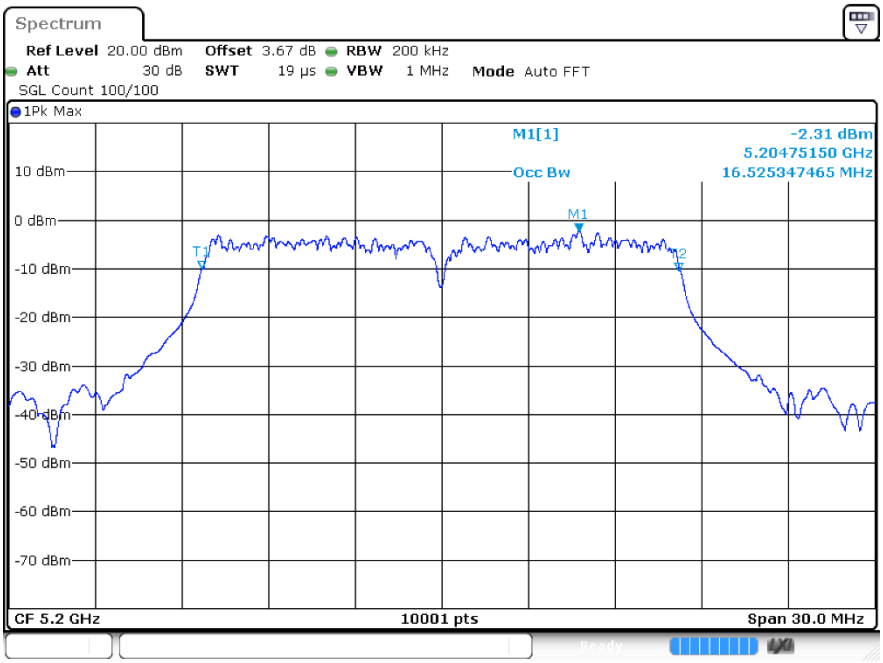


4 Occupied Channel Bandwidth

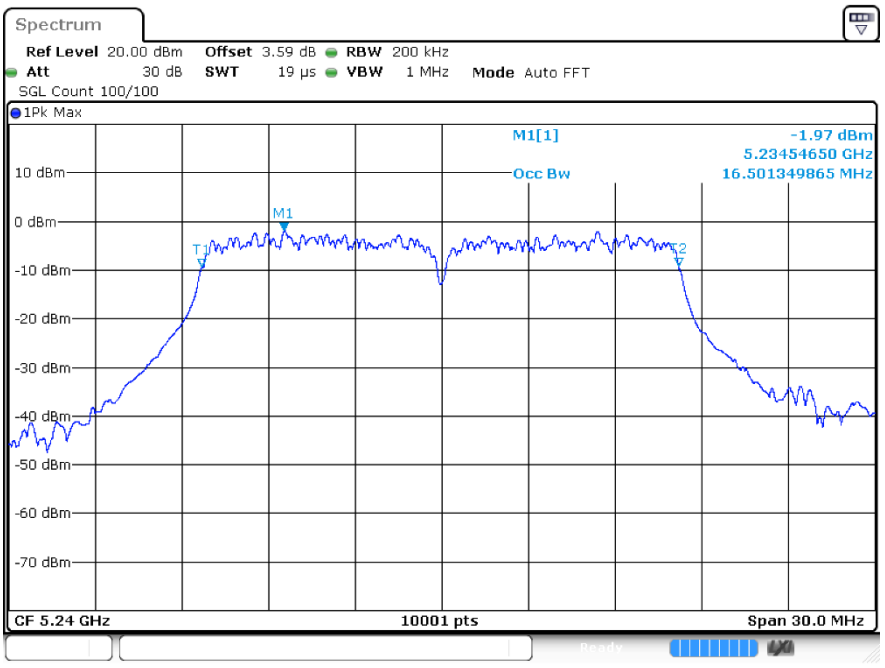
4.1 Test Result

Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
a	5180	Ant1	16.519
a	5200	Ant1	16.525
a	5240	Ant1	16.501
n20	5180	Ant1	17.665
n20	5200	Ant1	17.695
n20	5240	Ant1	17.59
n40	5190	Ant1	36.122
n40	5230	Ant1	36.2
ac20	5180	Ant1	17.593
ac20	5200	Ant1	17.578
ac20	5240	Ant1	17.617
ac40	5190	Ant1	36.11
ac40	5230	Ant1	36.104
ac80	5210	Ant1	75.436
a	5180	Ant2	16.513
a	5200	Ant2	16.54
a	5240	Ant2	16.501
n20	5180	Ant2	17.623
n20	5200	Ant2	17.614
n20	5240	Ant2	17.605
n40	5190	Ant2	36.26
n40	5230	Ant2	36.098
ac20	5180	Ant2	17.626
ac20	5200	Ant2	17.614
ac20	5240	Ant2	17.659
ac40	5190	Ant2	36.05
ac40	5230	Ant2	36.134
ac80	5210	Ant2	75.724

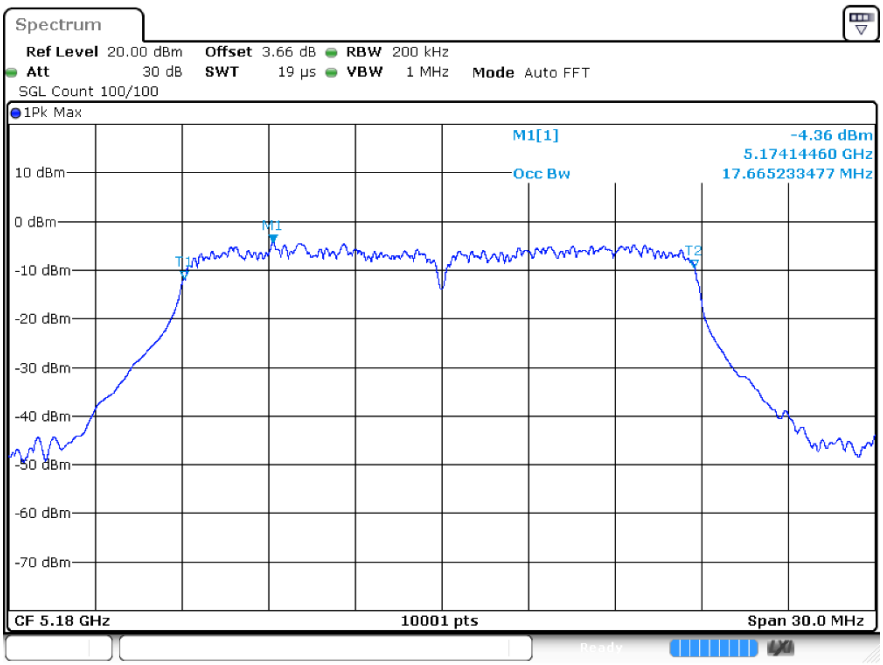
4.2 Test Graphs

Test Graphs
OBWa 5180MHz Ant1

OBWa 5200MHz Ant1


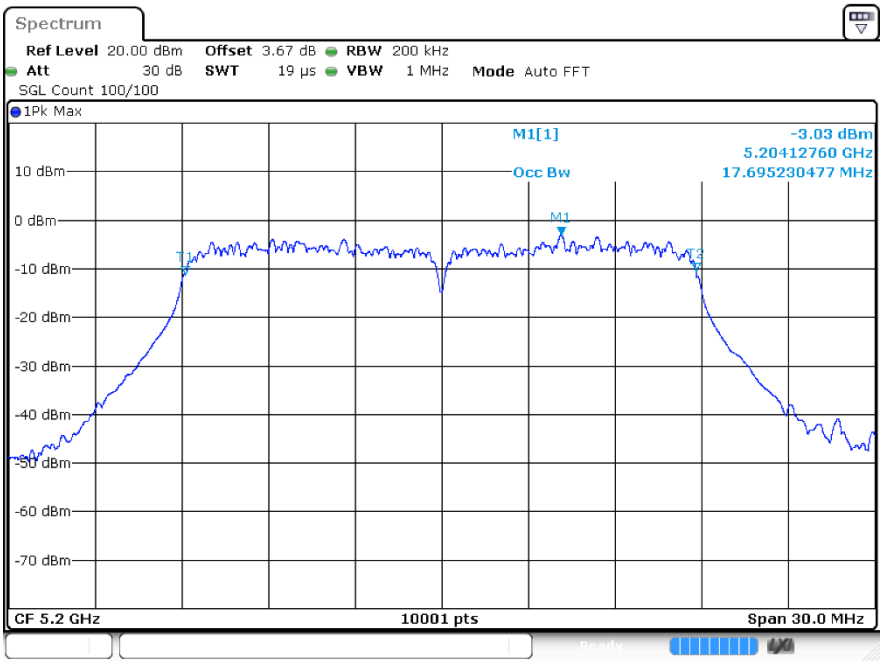
OBWa 5240MHz Ant1



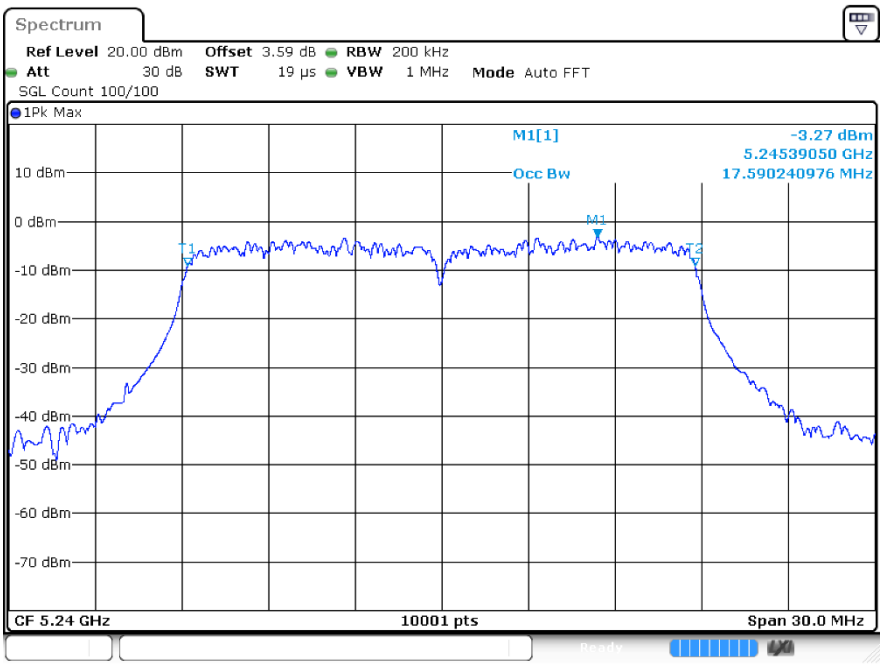
OBW n20 5180MHz Ant1



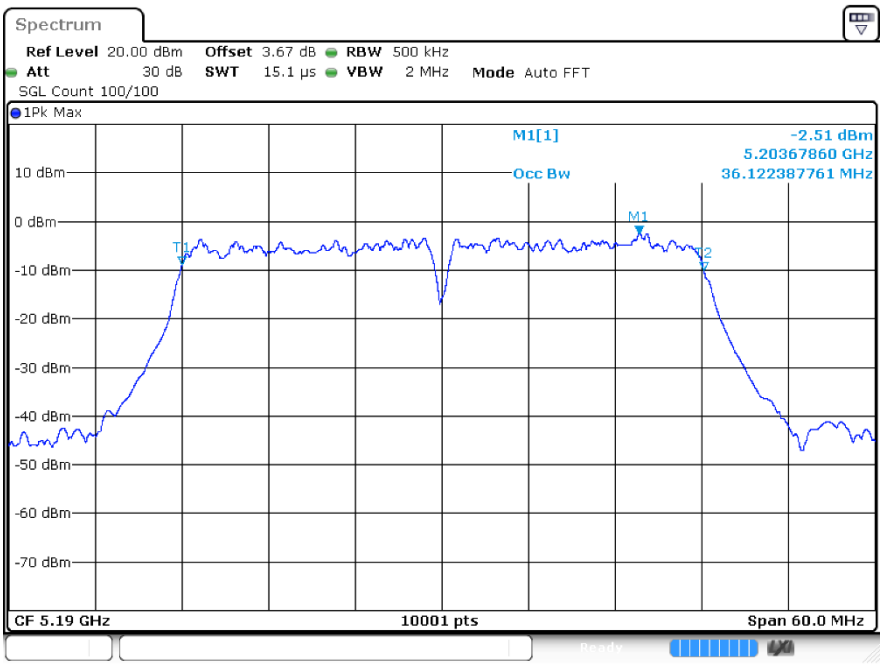
OBW n20 5200MHz Ant1



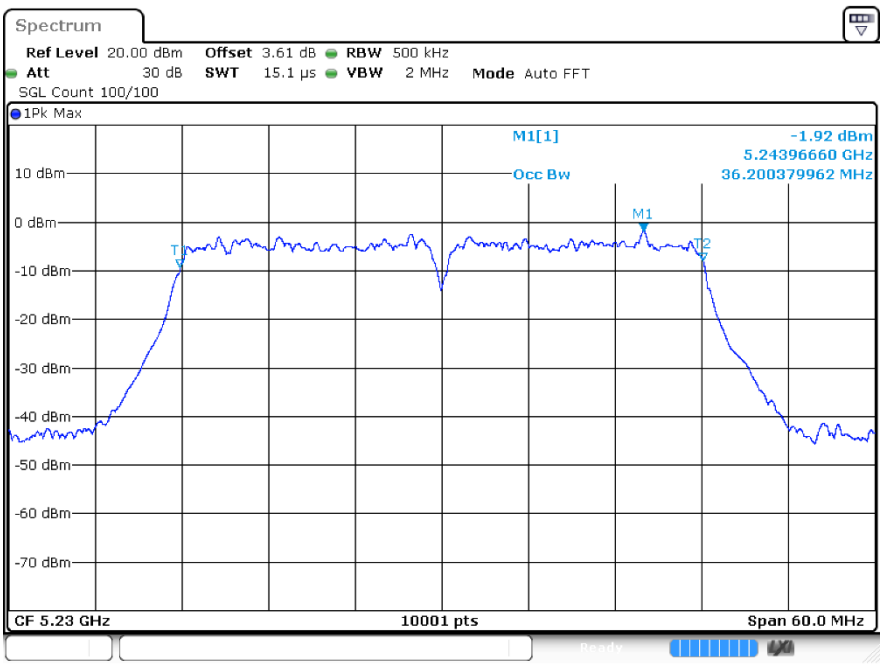
OBW n20 5240MHz Ant1



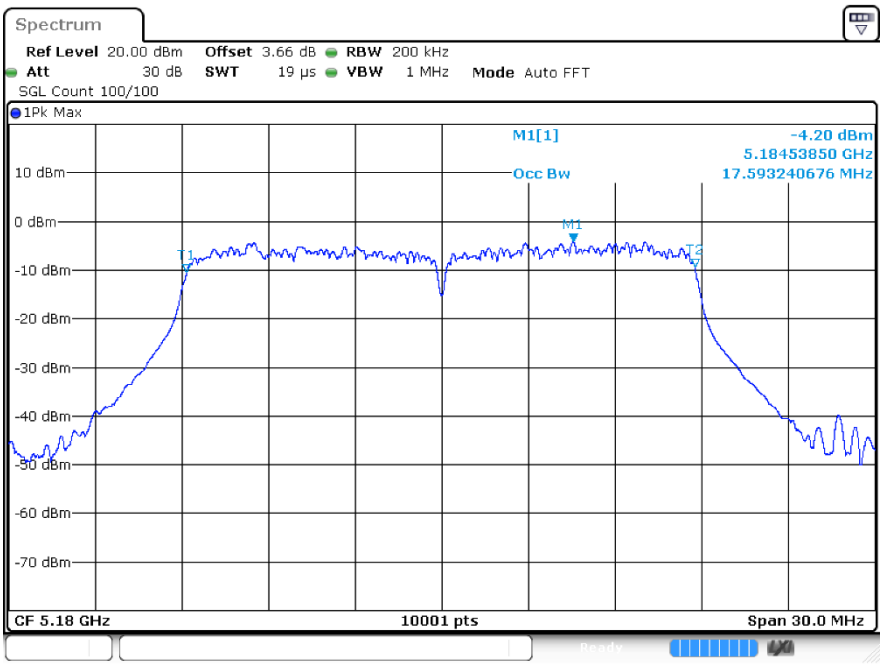
OBWn40 5190MHz Ant1



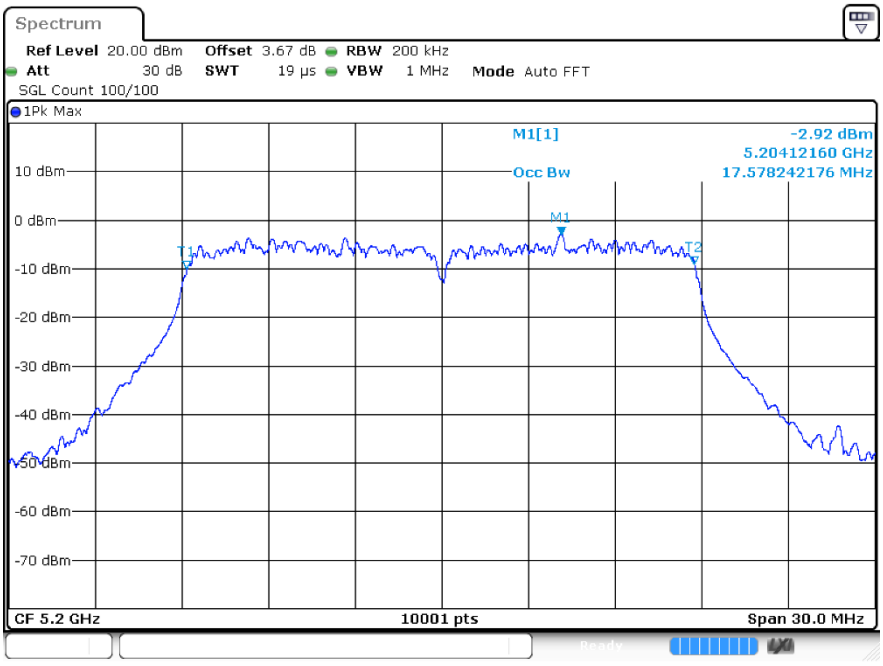
OBWn40 5230MHz Ant1



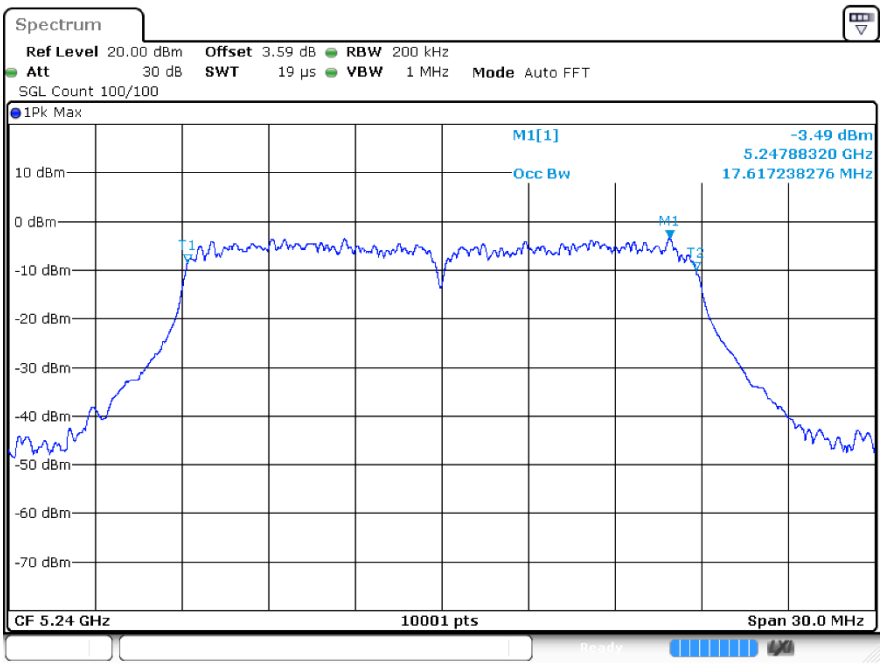
OBW ac20 5180MHz Ant1



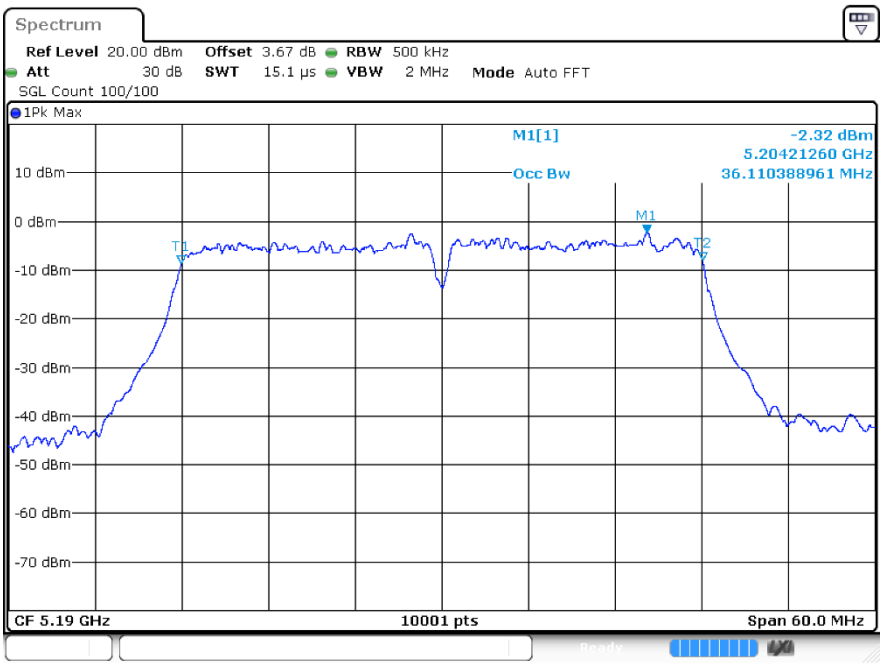
OBW ac20 5200MHz Ant1



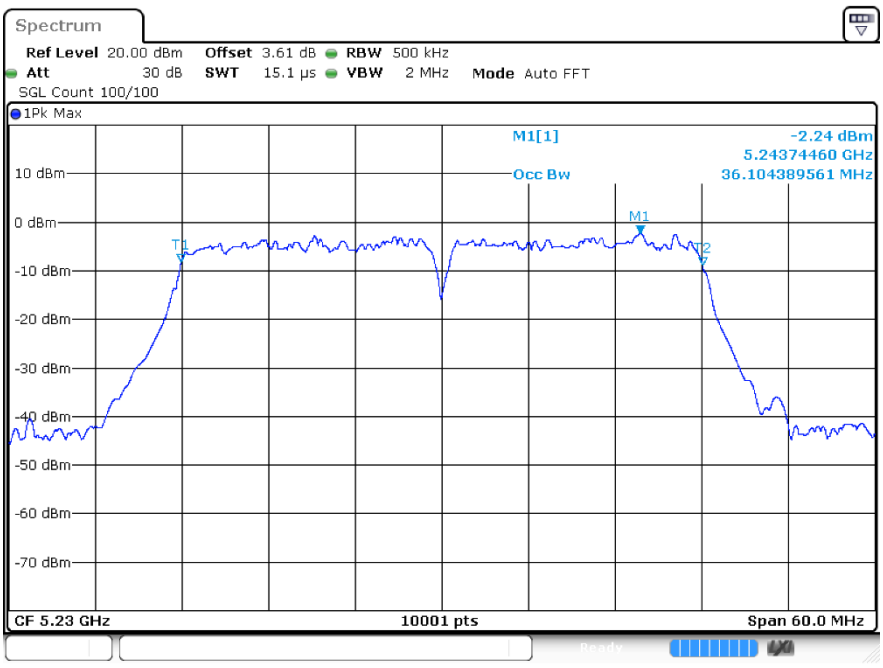
OBW ac20 5240MHz Ant1



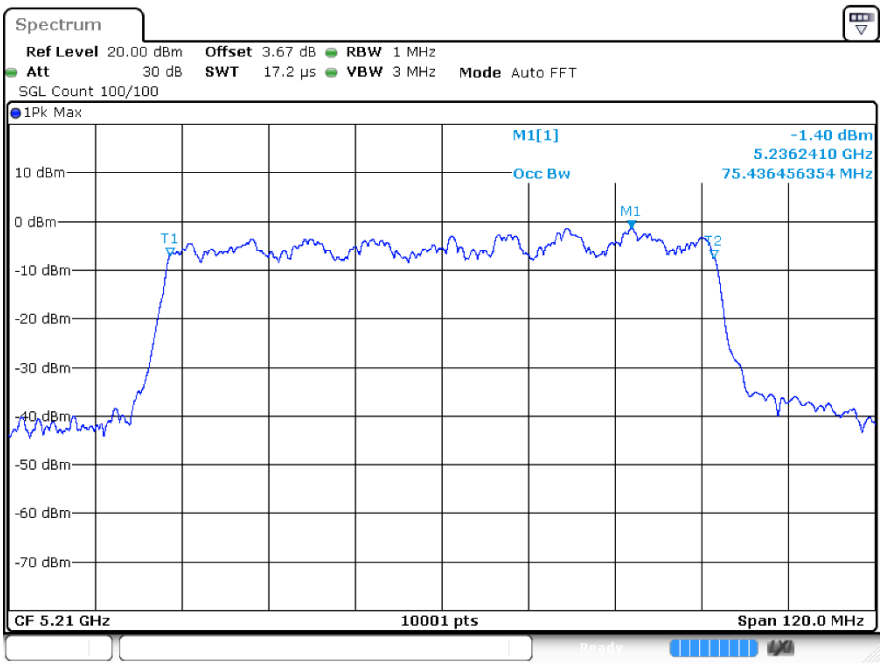
OBWac40 5190MHz Ant1



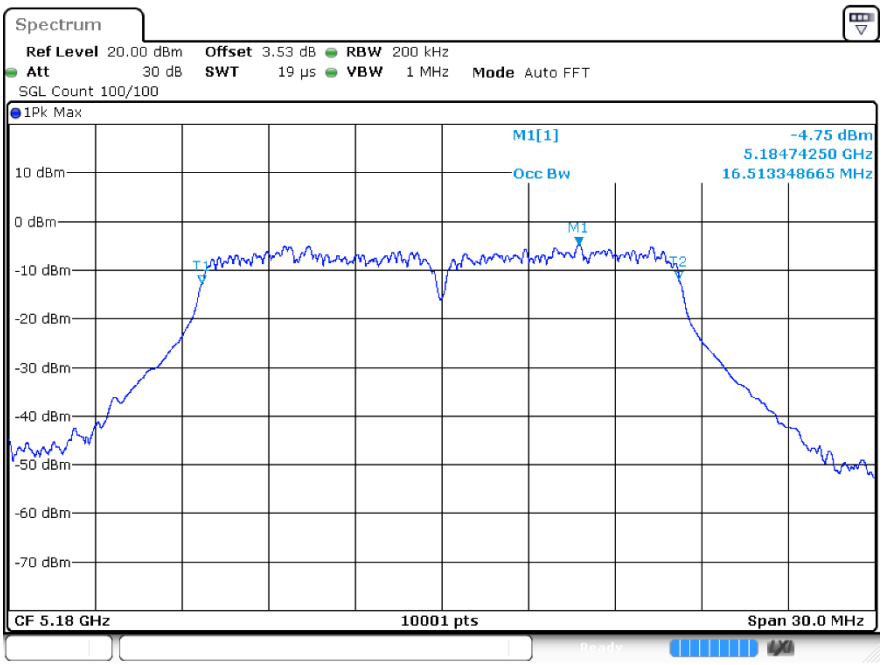
OBWac40 5230MHz Ant1



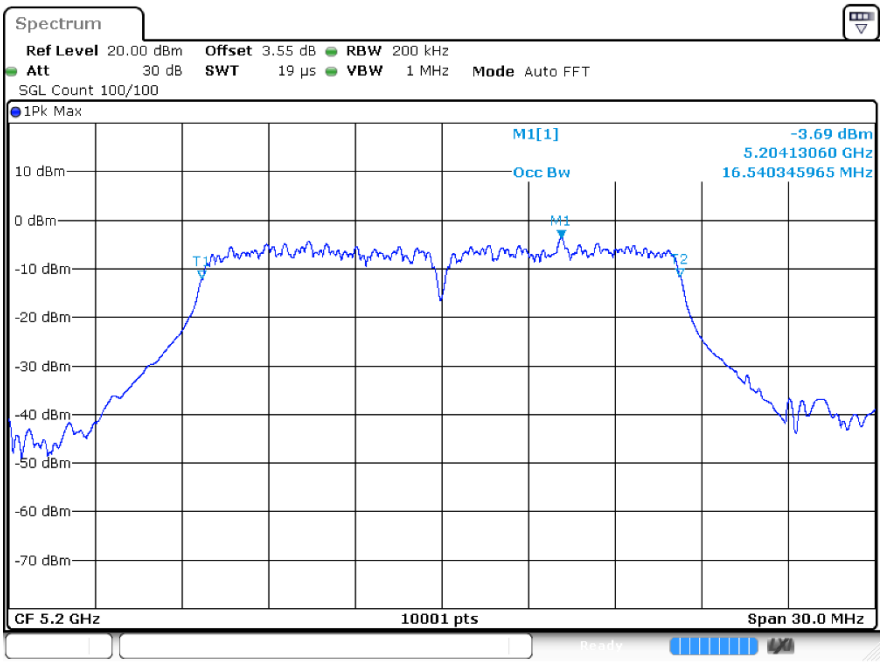
OBWac80 5210MHz Ant1



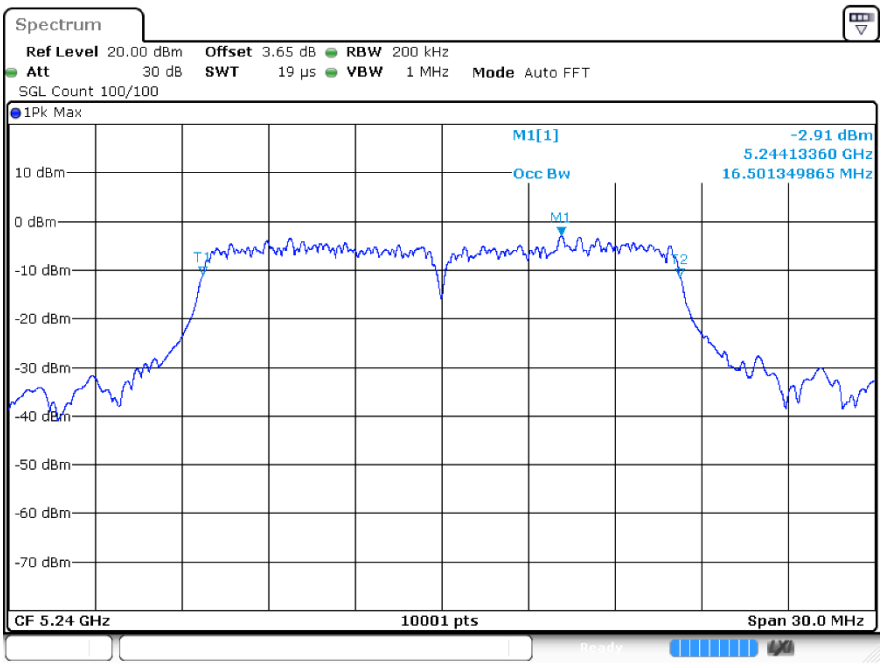
OBWa 5180MHz Ant2



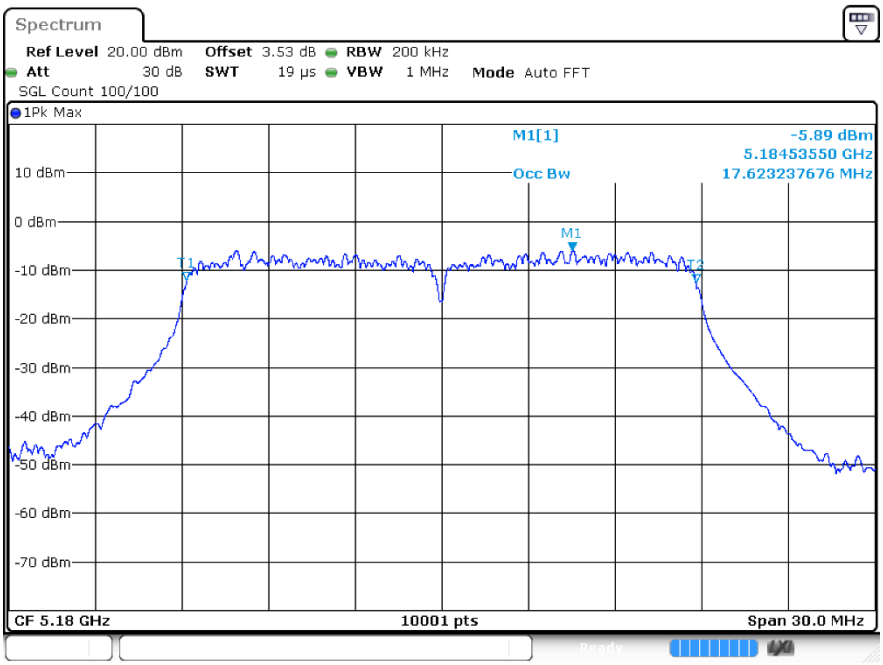
OBWa 5200MHz Ant2



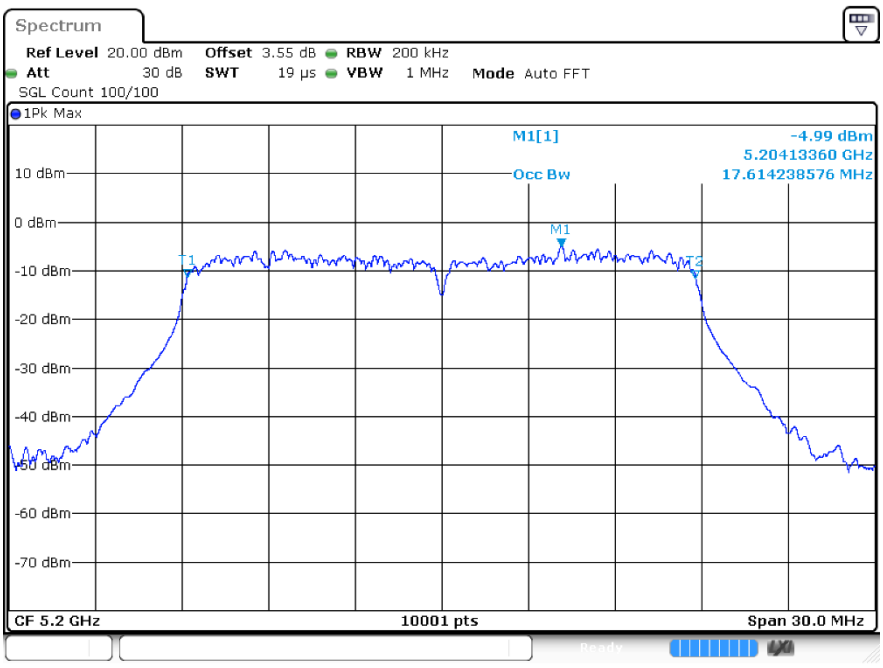
OBWa 5240MHz Ant2



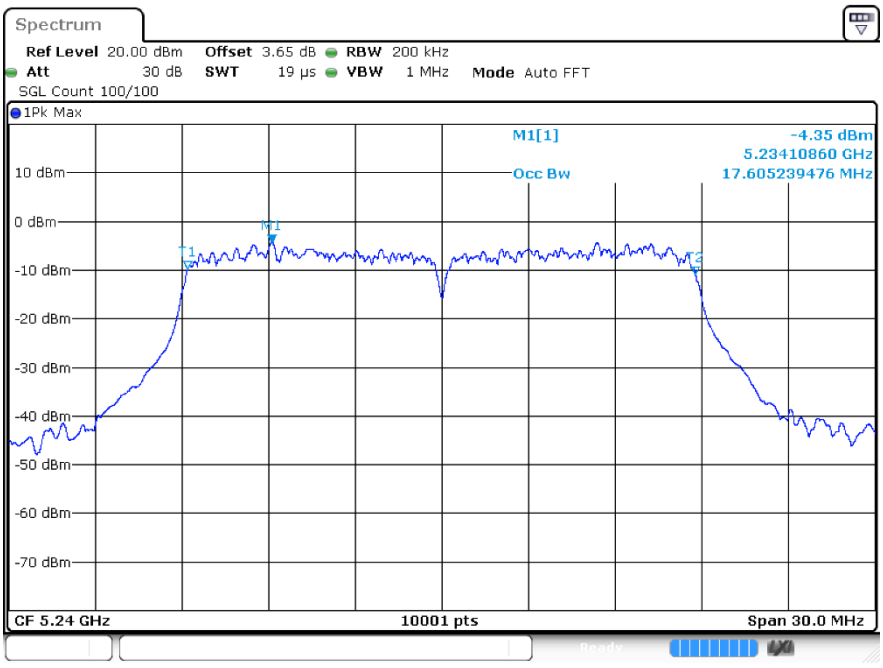
OBW n20 5180MHz Ant2



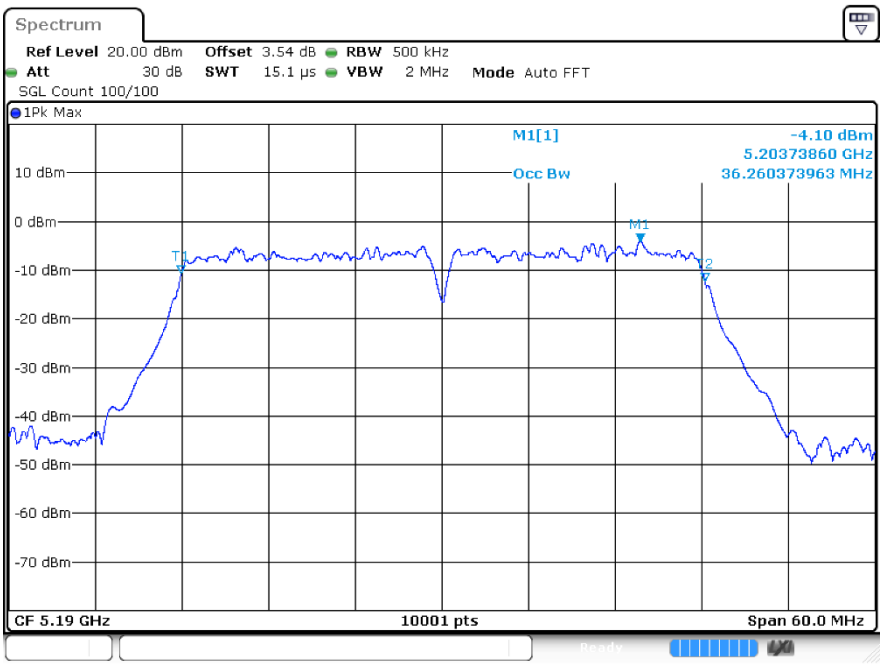
OBW n20 5200MHz Ant2



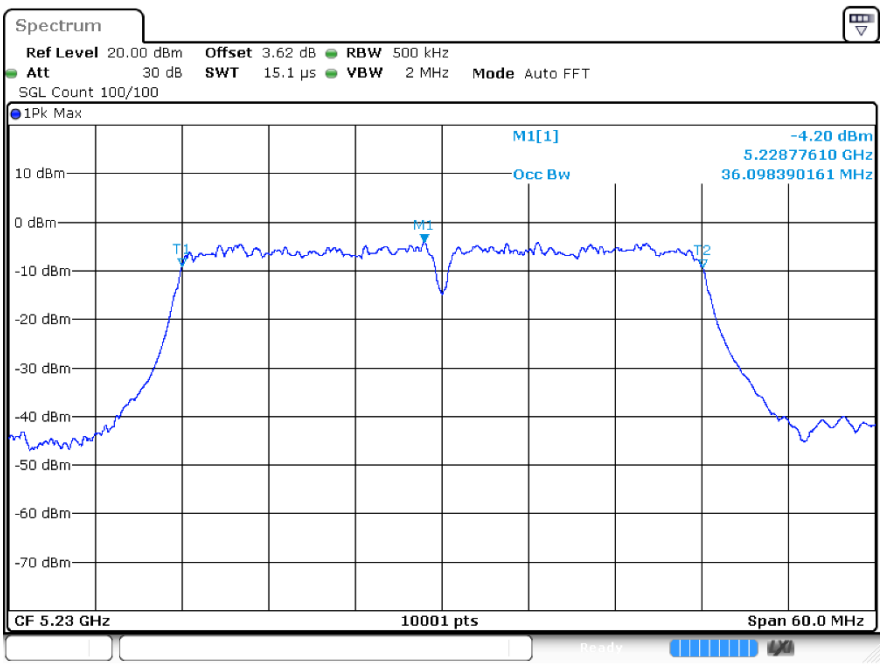
OBW n20 5240MHz Ant2



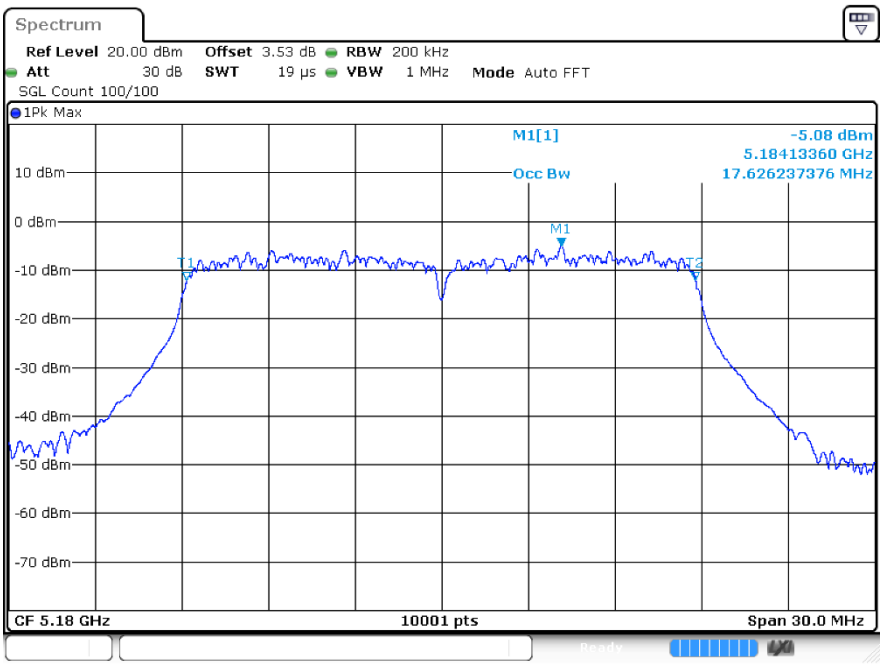
OBWn40 5190MHz Ant2



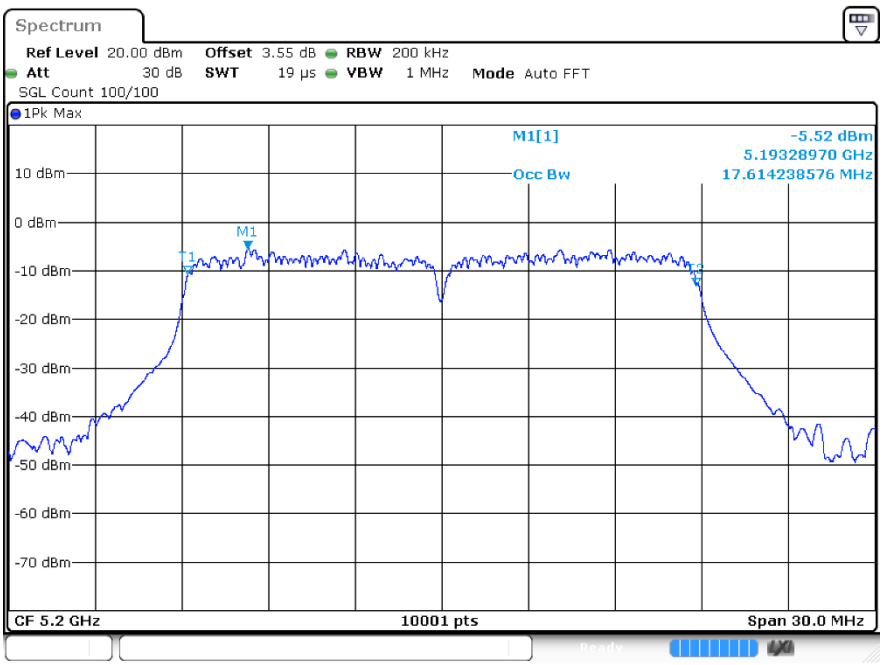
OBWn40 5230MHz Ant2



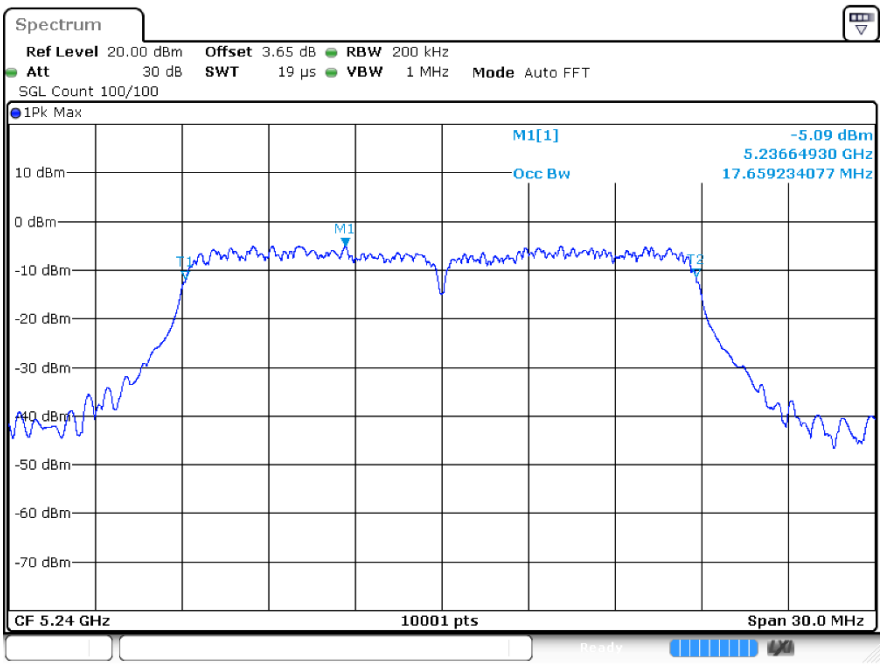
OBW ac20 5180MHz Ant2



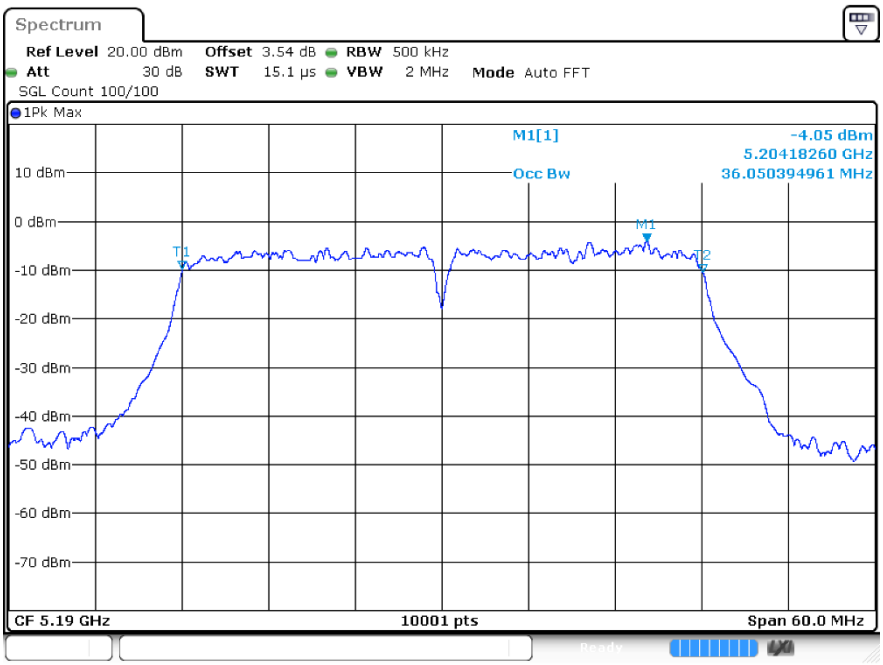
OBW ac20 5200MHz Ant2



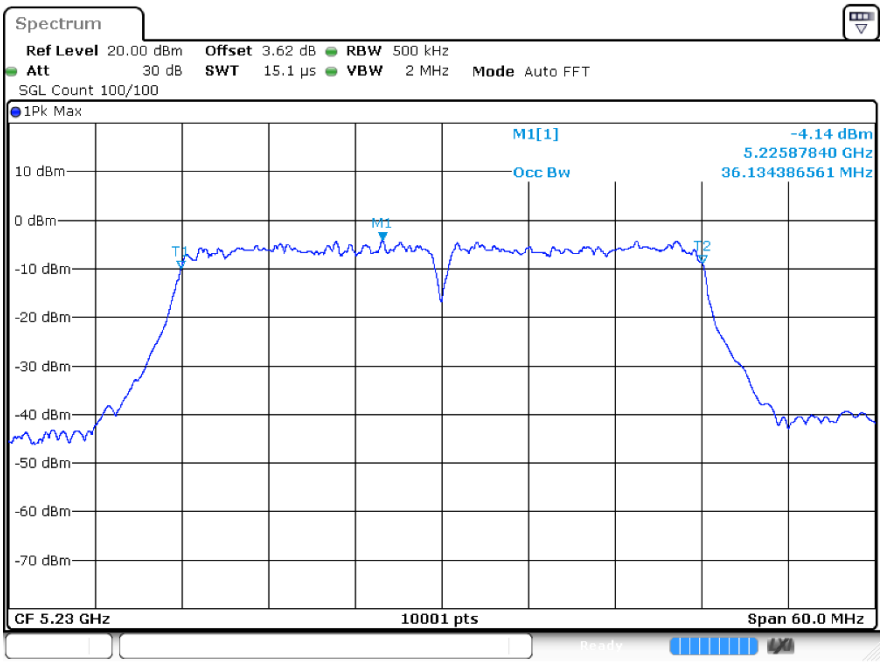
OBW ac20 5240MHz Ant2



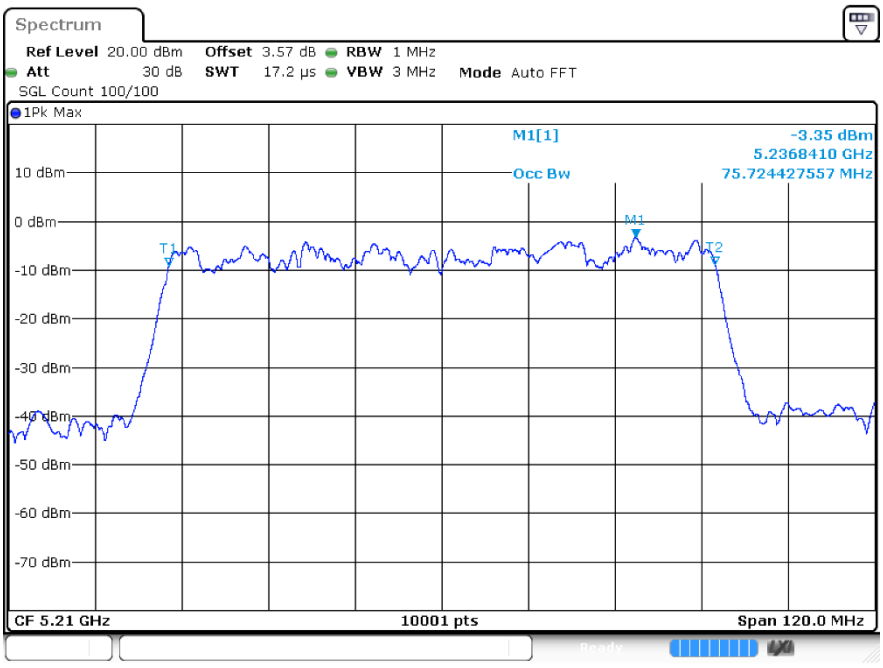
OBWac40 5190MHz Ant2



OBWac40 5230MHz Ant2



OBWac80 5210MHz Ant2



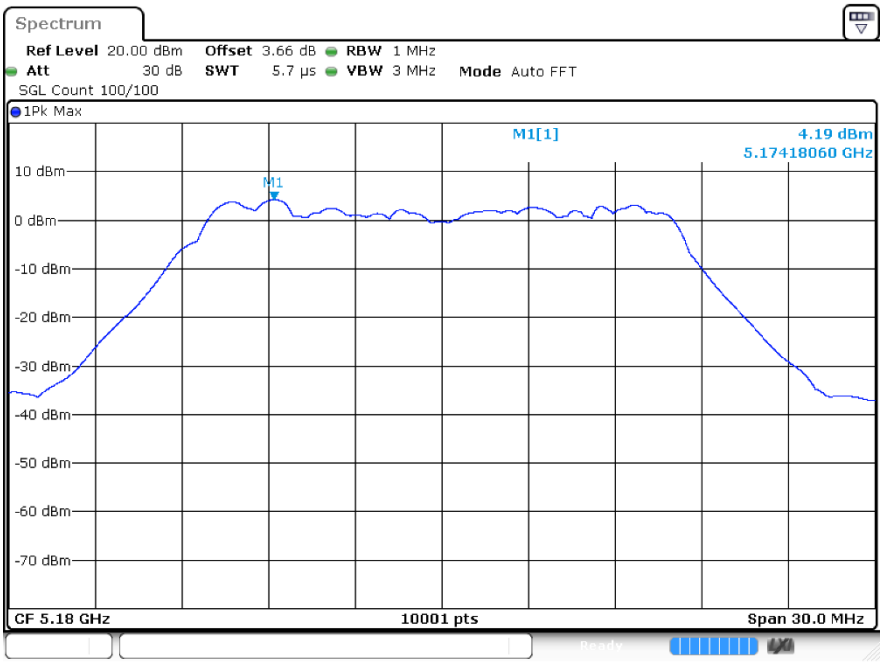
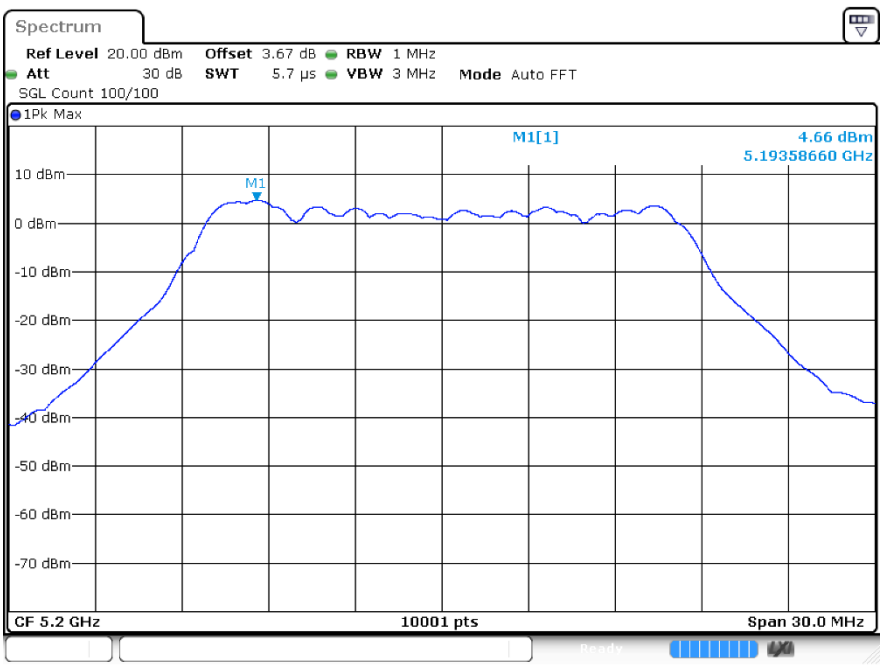
5 Maximum Power Spectral Density Level

5.1 Test Result

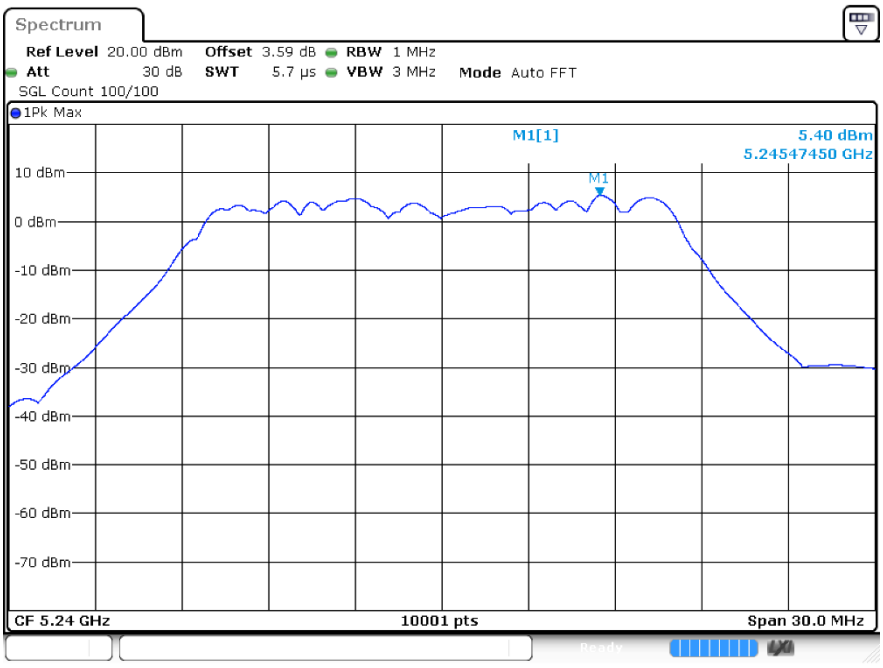
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	4.19	0	4.19	11	Pass
a	5200	Ant1	4.66	0	4.66	11	Pass
a	5240	Ant1	5.4	0	5.4	11	Pass
a	5180	Ant2	2.25	0	2.25	11	Pass
a	5200	Ant2	3.28	0	3.28	11	Pass
a	5240	Ant2	4.22	0	4.22	11	Pass
n20	5180	Ant1	3.94	0	3.94	11	Pass
n20	5180	Ant2	1.74	0	1.74	11	Pass
n20	5180	Sum	-	-	5.99	11	Pass
n20	5200	Ant1	3.73	0	3.73	11	Pass
n20	5200	Ant2	2.58	0	2.58	11	Pass
n20	5200	Sum	-	-	6.20	11	Pass
n20	5240	Ant1	4.14	0	4.14	11	Pass
n20	5240	Ant2	2.79	0	2.79	11	Pass
n20	5240	Sum	-	-	6.53	11	Pass
n40	5190	Ant1	0.31	0	0.31	11	Pass
n40	5190	Ant2	-1.47	0	-1.47	11	Pass
n40	5190	Sum	-	-	2.52	11	Pass
n40	5230	Ant1	1	0	1	11	Pass
n40	5230	Ant2	-0.56	0	-0.56	11	Pass
n40	5230	Sum	-	-	3.30	11	Pass
ac20	5180	Ant1	3.41	0	3.41	11	Pass
ac20	5180	Ant2	1.66	0	1.66	11	Pass
ac20	5180	Sum	-	-	5.63	11	Pass
ac20	5200	Ant1	3.95	0	3.95	11	Pass
ac20	5200	Ant2	1.93	0	1.93	11	Pass
ac20	5200	Sum	-	-	6.07	11	Pass
ac20	5240	Ant1	4.13	0	4.13	11	Pass
ac20	5240	Ant2	3.29	0	3.29	11	Pass
ac20	5240	Sum	-	-	6.74	11	Pass
ac40	5190	Ant1	0.72	0	0.72	11	Pass
ac40	5190	Ant2	-2.36	0	-2.36	11	Pass
ac40	5190	Sum	-	-	2.46	11	Pass
ac40	5230	Ant1	0.5	0	0.5	11	Pass
ac40	5230	Ant2	-0.66	0	-0.66	11	Pass
ac40	5230	Sum	-	-	2.97	11	Pass

ac80	5210	Ant1	-1.32	0	-1.32	11	Pass
ac80	5210	Ant2	-3.52	0	-3.52	11	Pass
ac80	5210	Sum	-	-	0.73	11	Pass

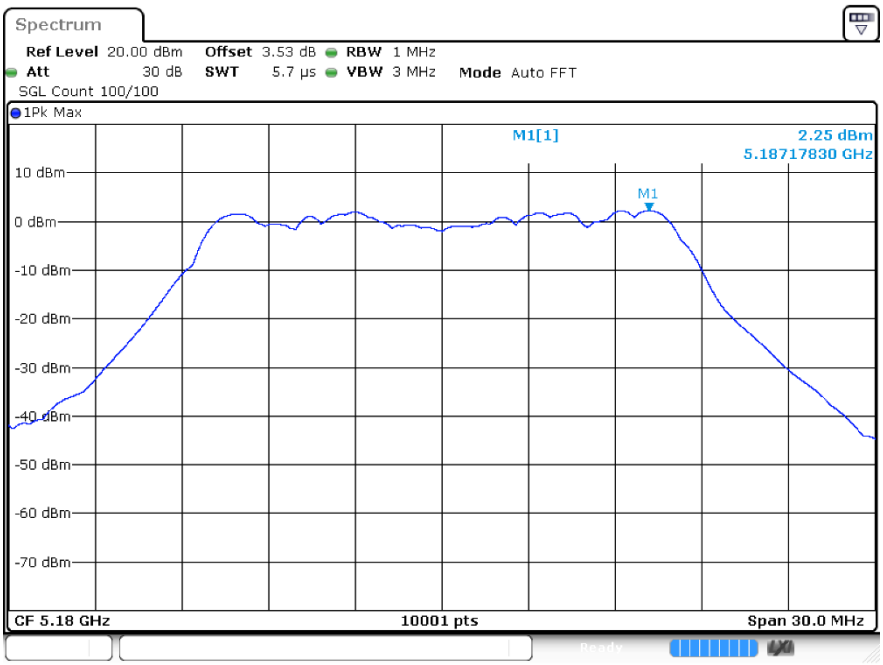
5.2 Test Graphs

Test Graphs
PSDa 5180MHz Ant1

PSD a 5200MHz Ant1


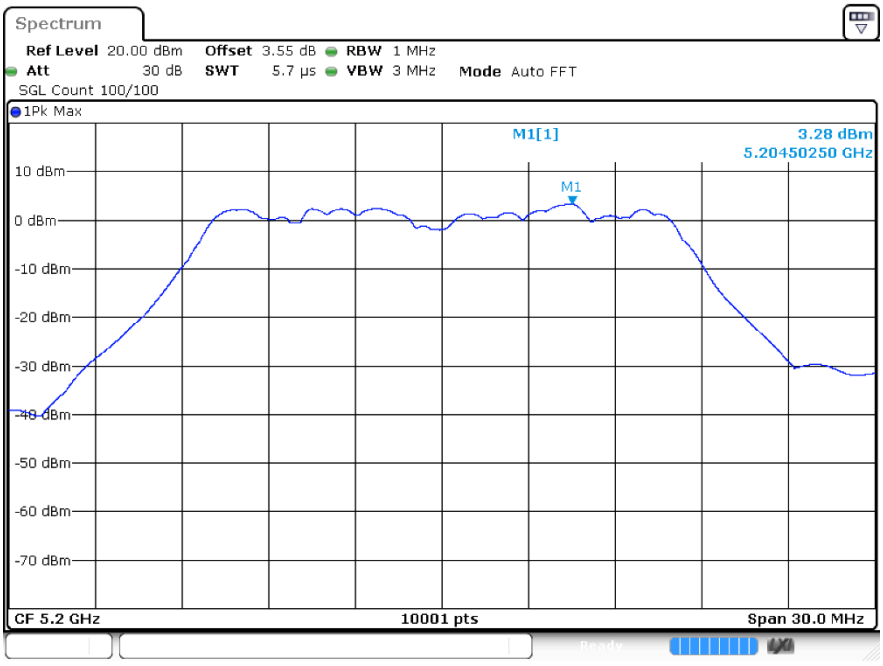
PSDa 5240MHz Ant1



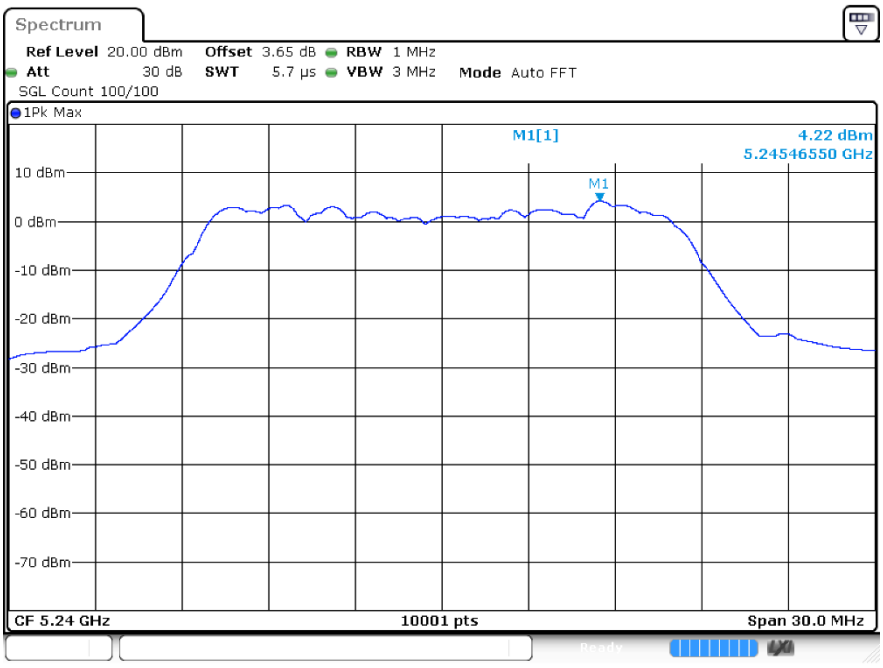
PSDa 5180MHz Ant2



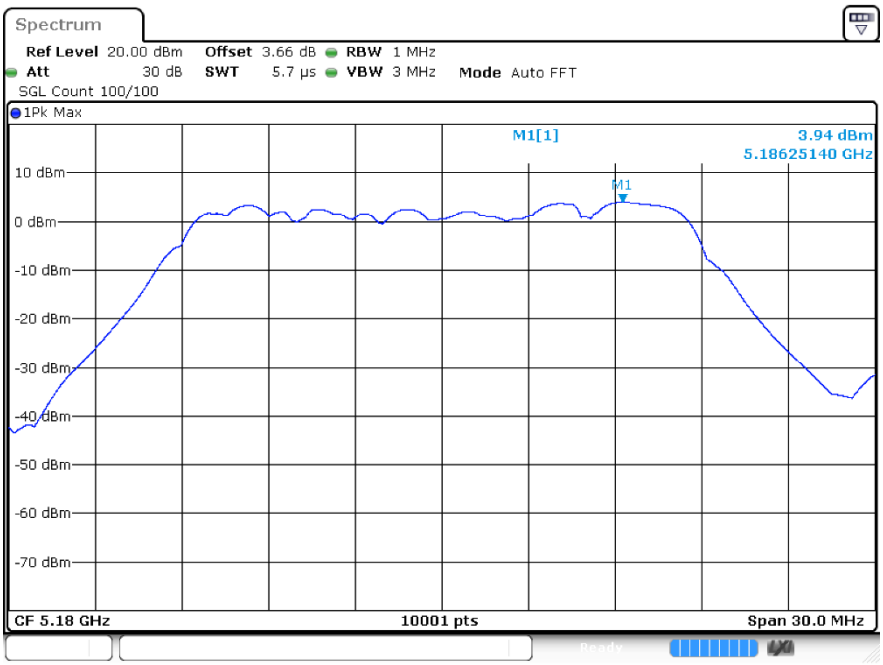
PSD a 5200MHz Ant2



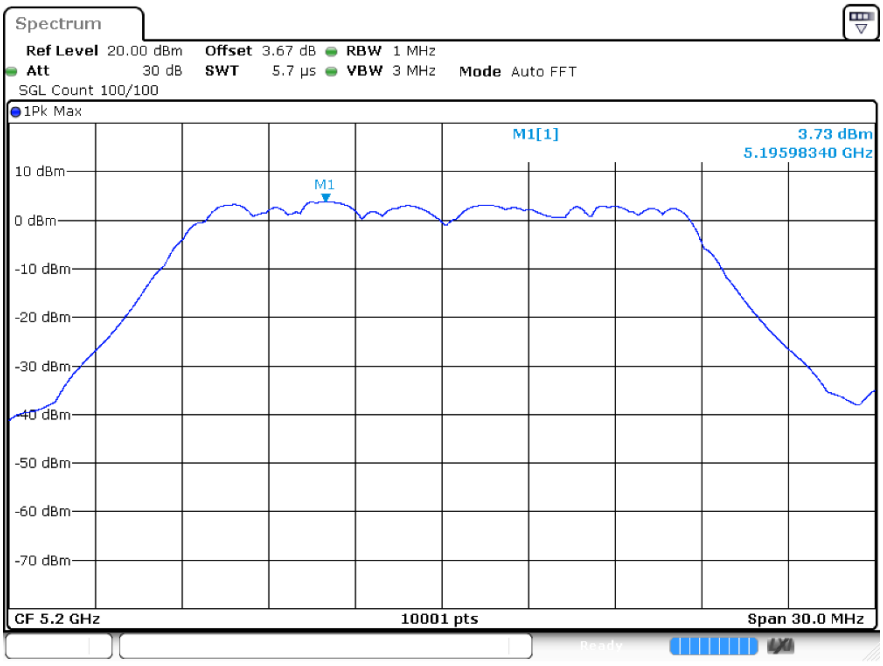
PSDa 5240MHz Ant2



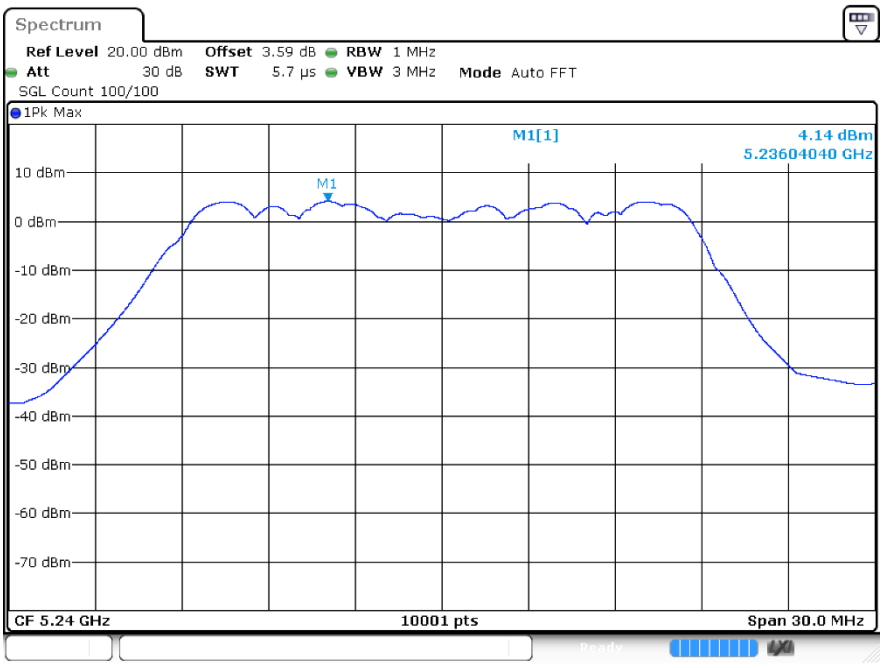
PSD n20 5180MHz Ant1



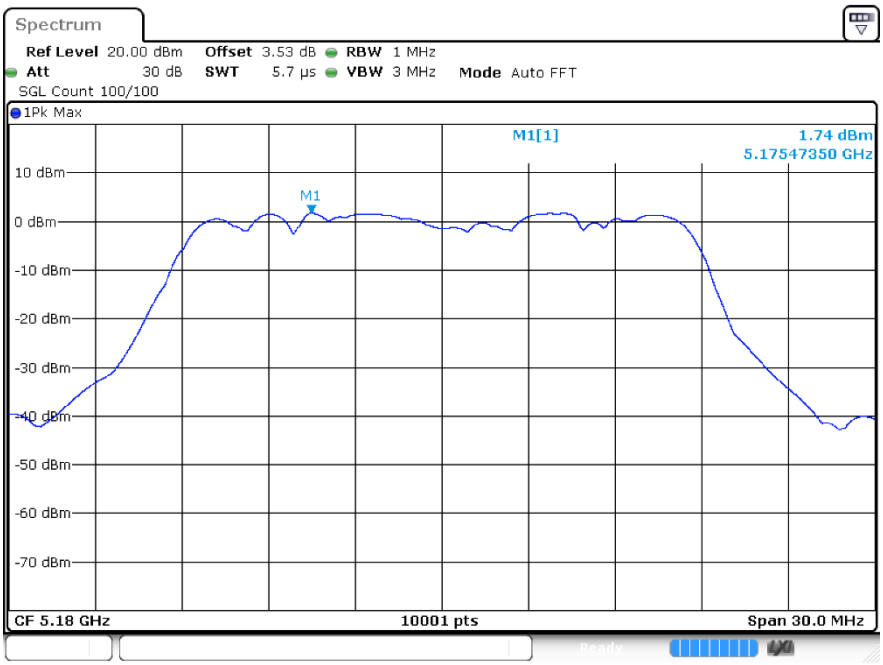
PSD n20 5200MHz Ant1



PSD n20 5240MHz Ant1



PSD n20 5180MHz Ant2



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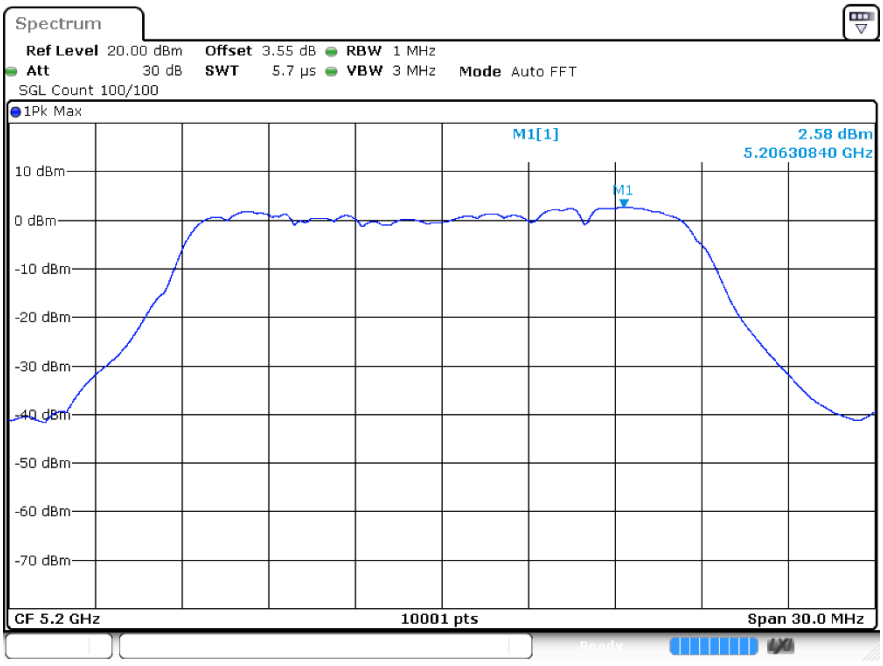
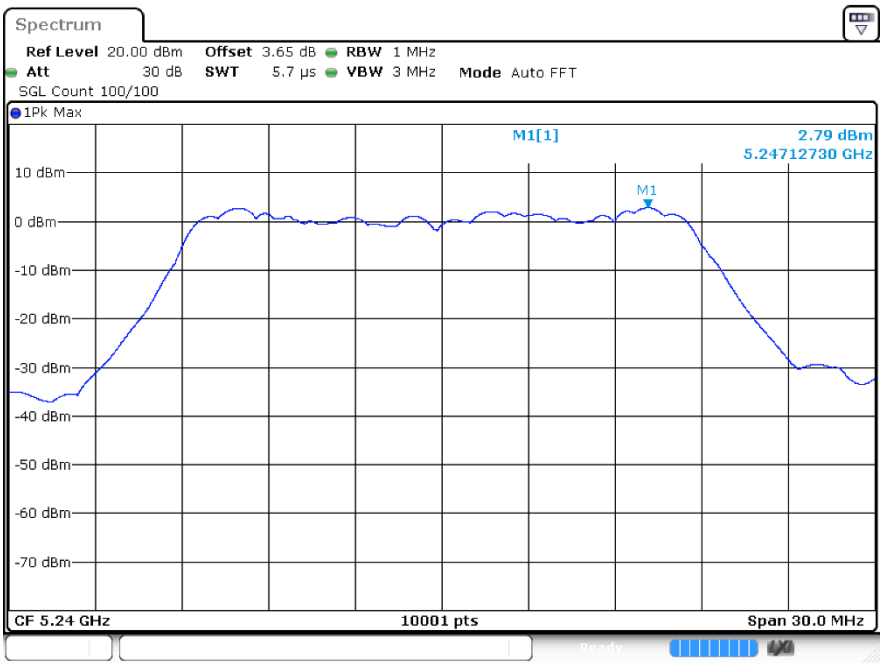
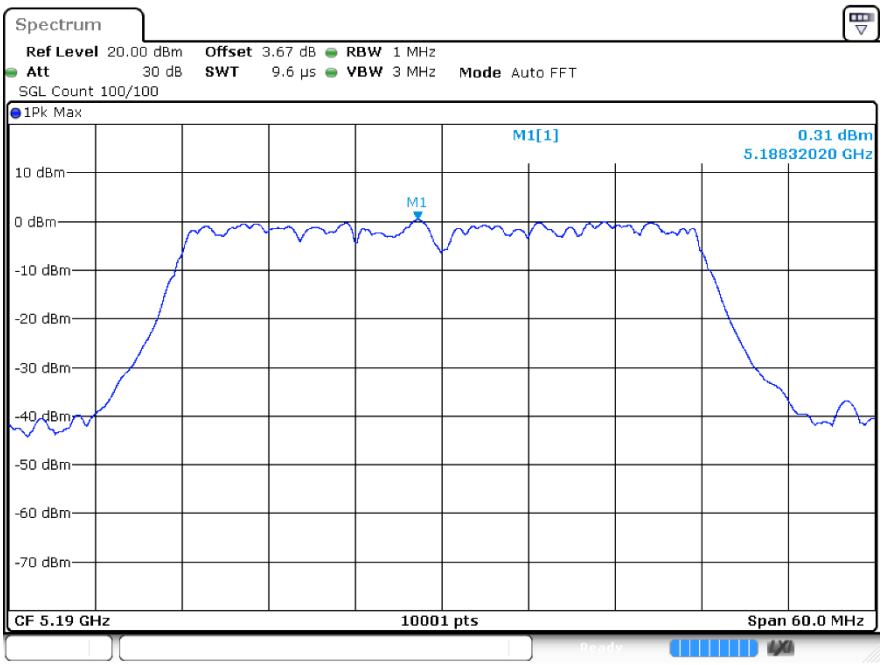


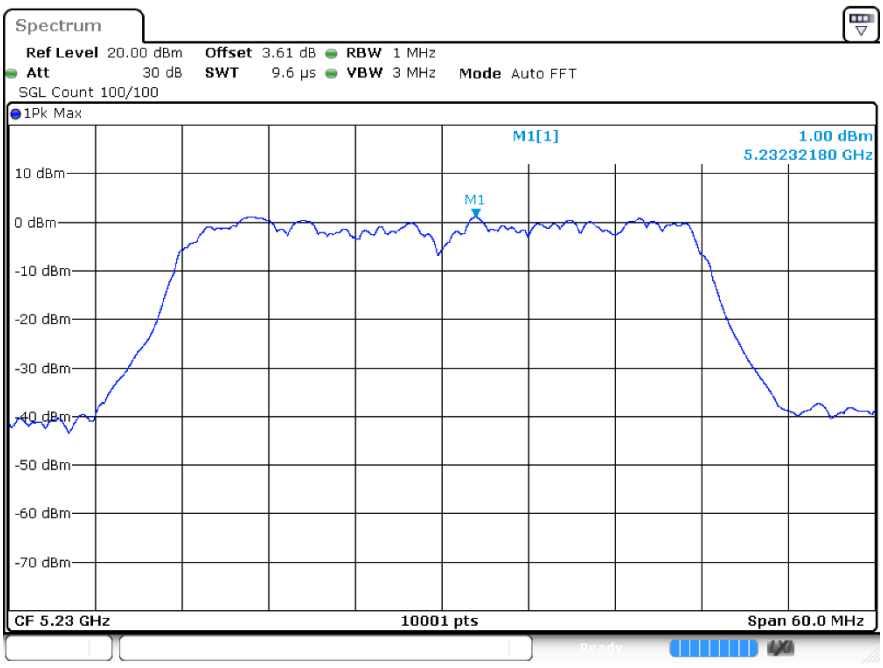
PSD n20 5240MHz Ant2



PSDn40 5190MHz Ant1



PSDn40 5230MHz Ant1



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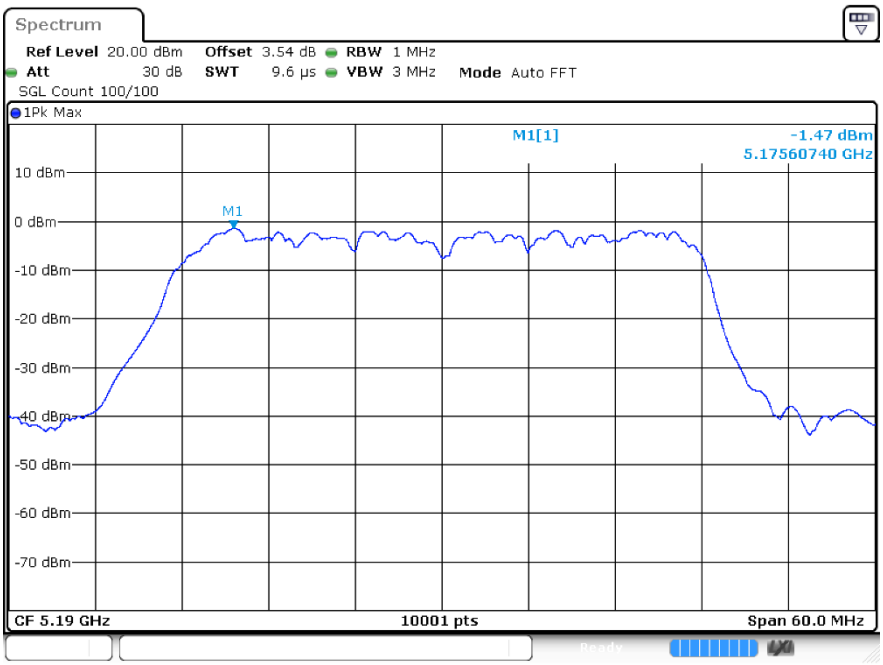

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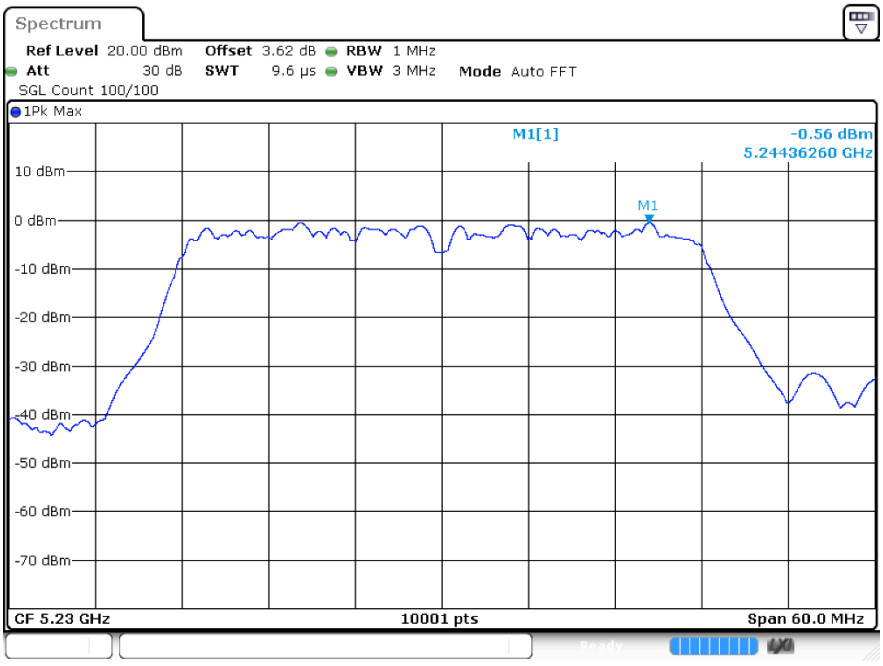
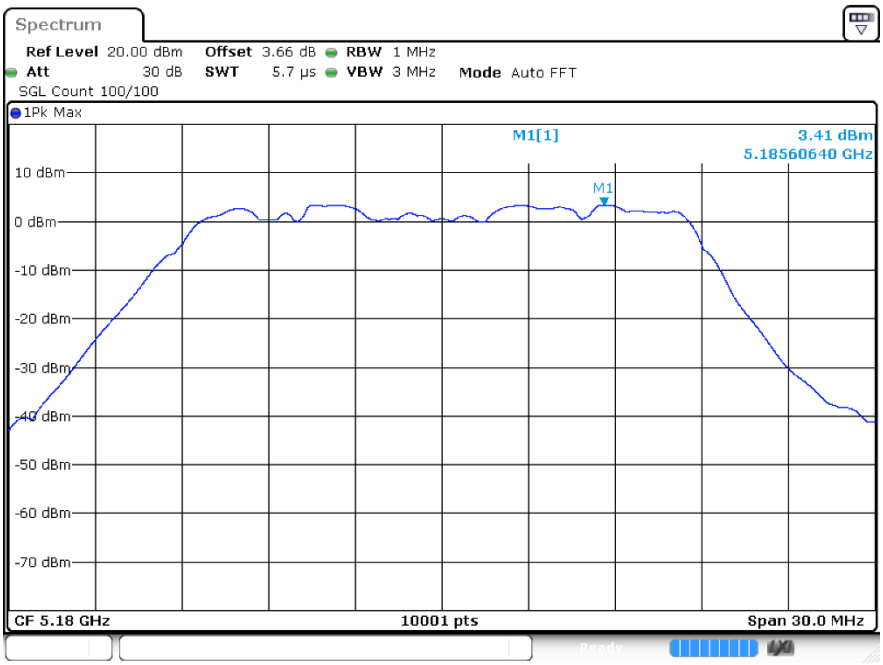


PSD ac20 5180MHz Ant1



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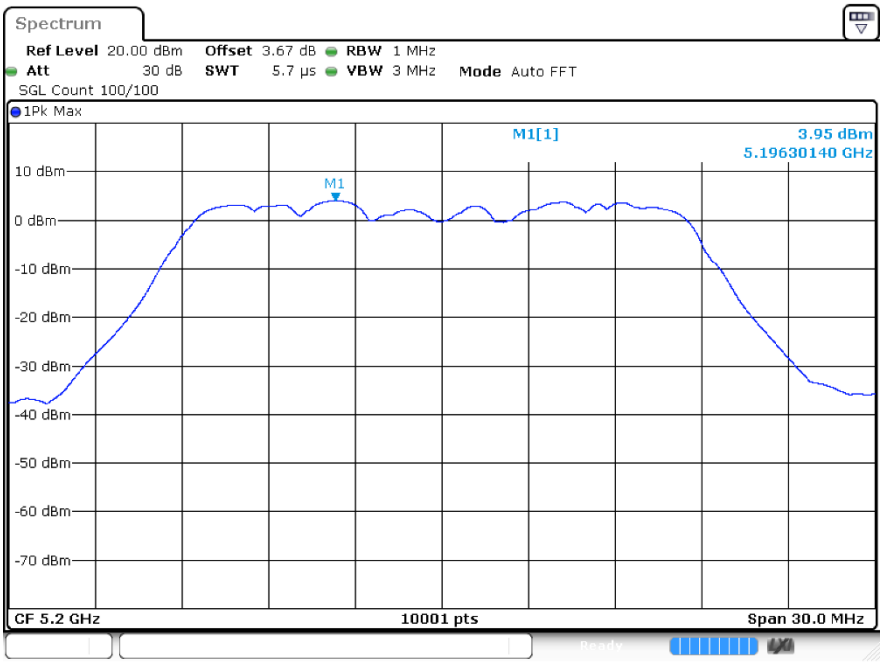

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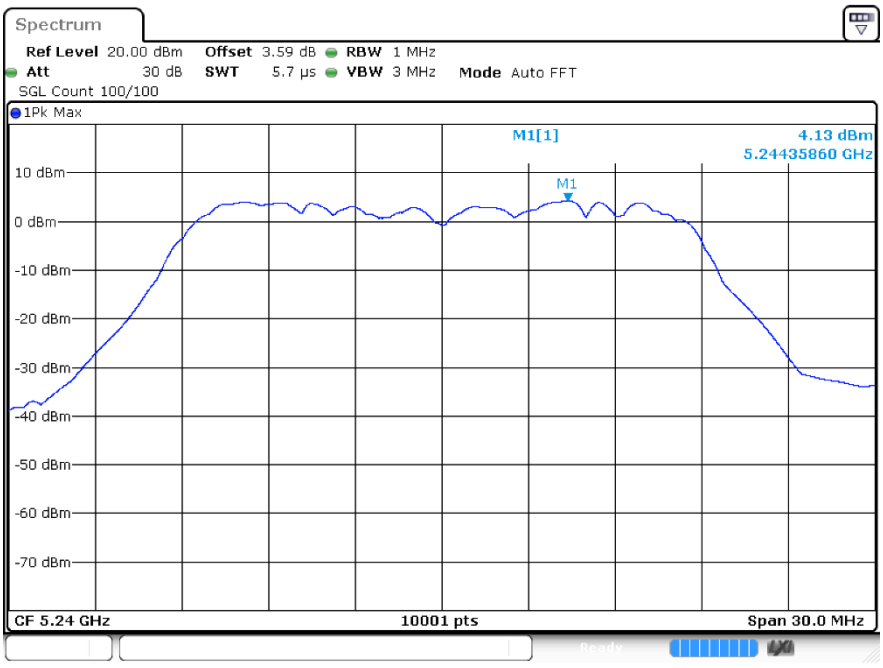

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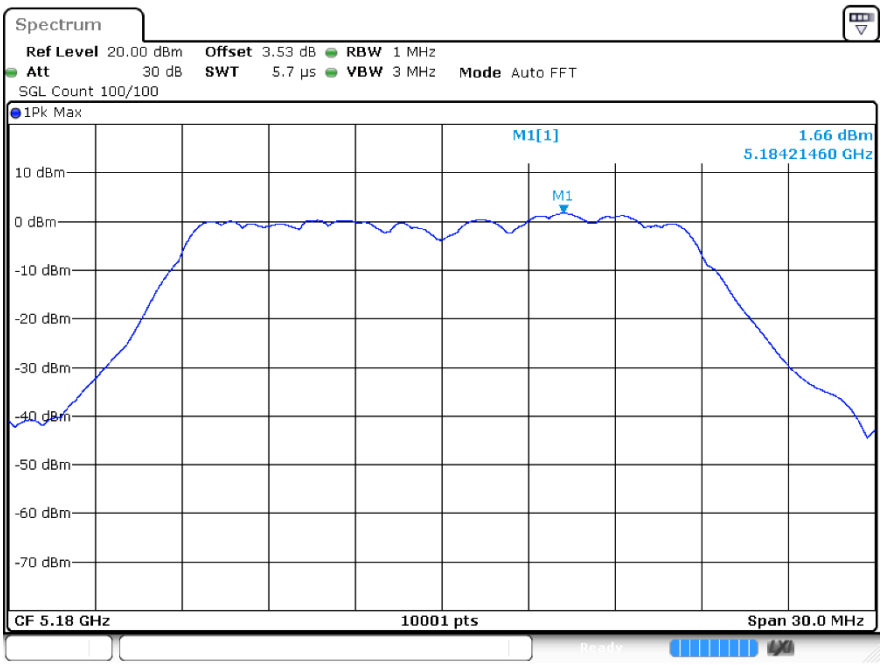

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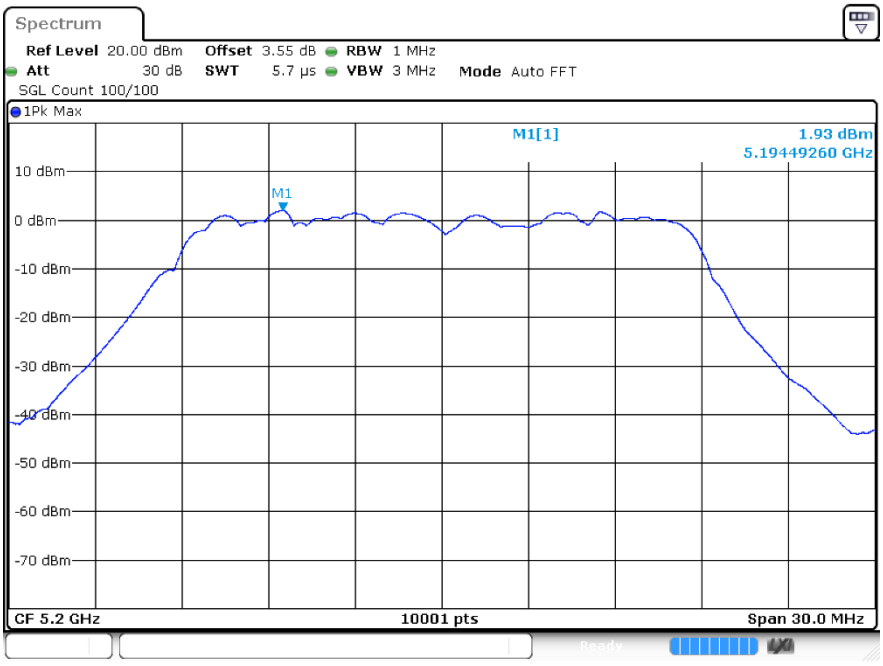

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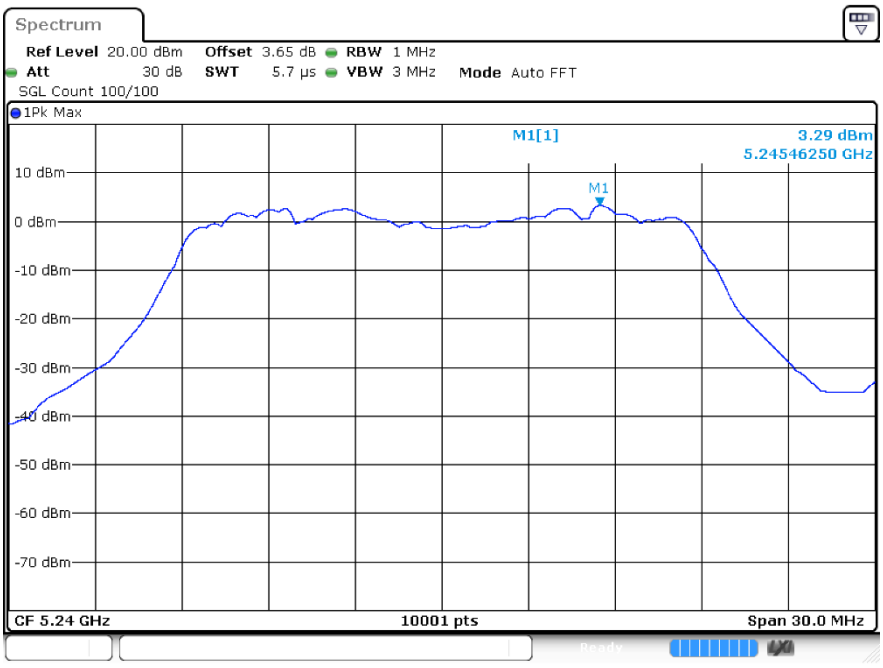
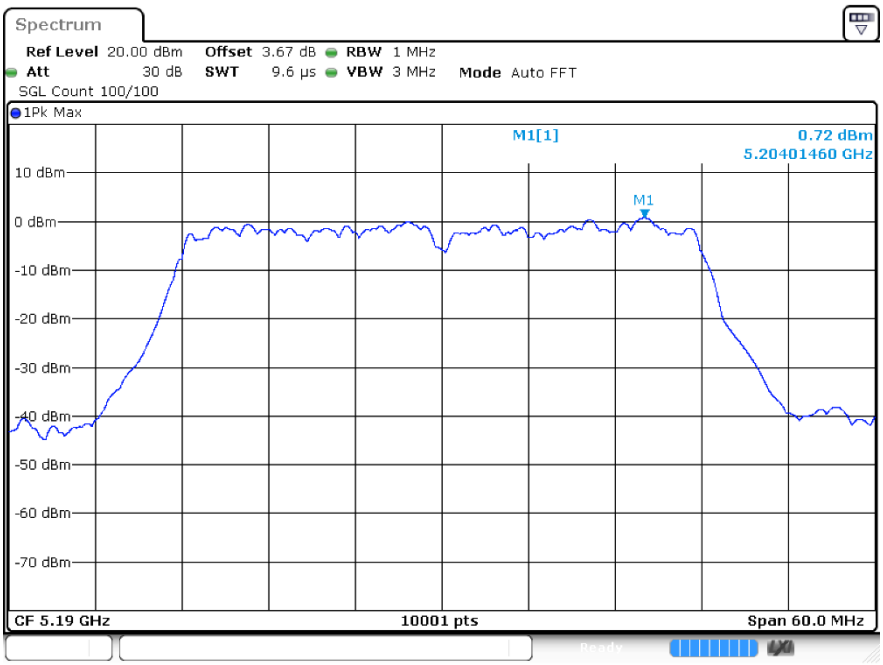


PSDac40 5190MHz Ant1



PSDac40 5230MHz Ant1