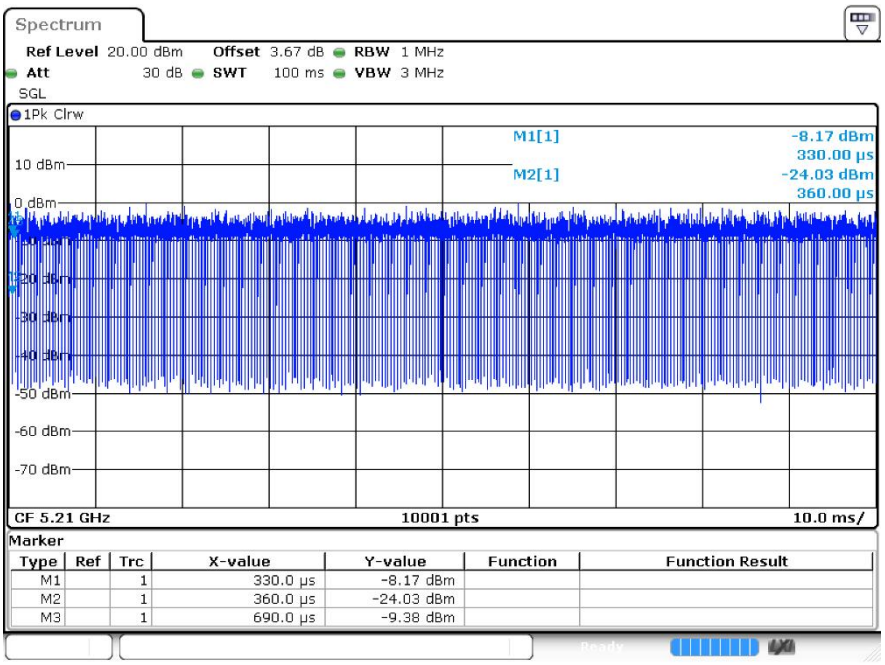
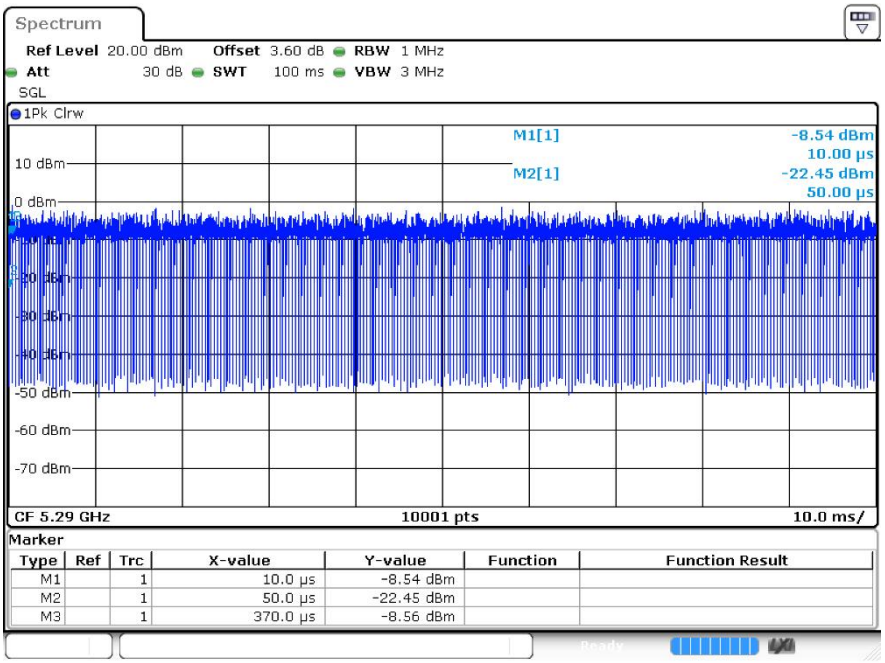
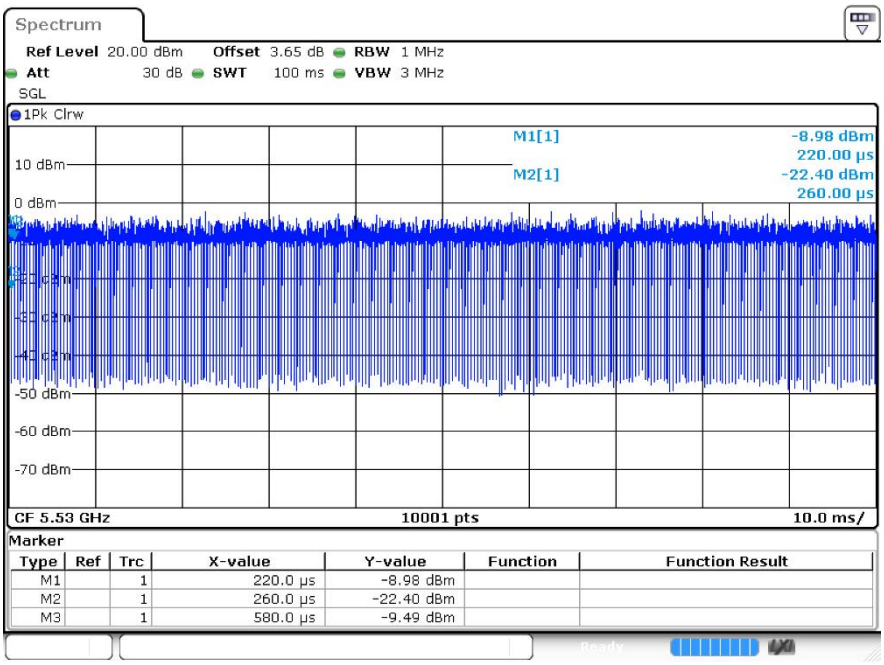
Duty Cycleac80 5210MHz Ant1



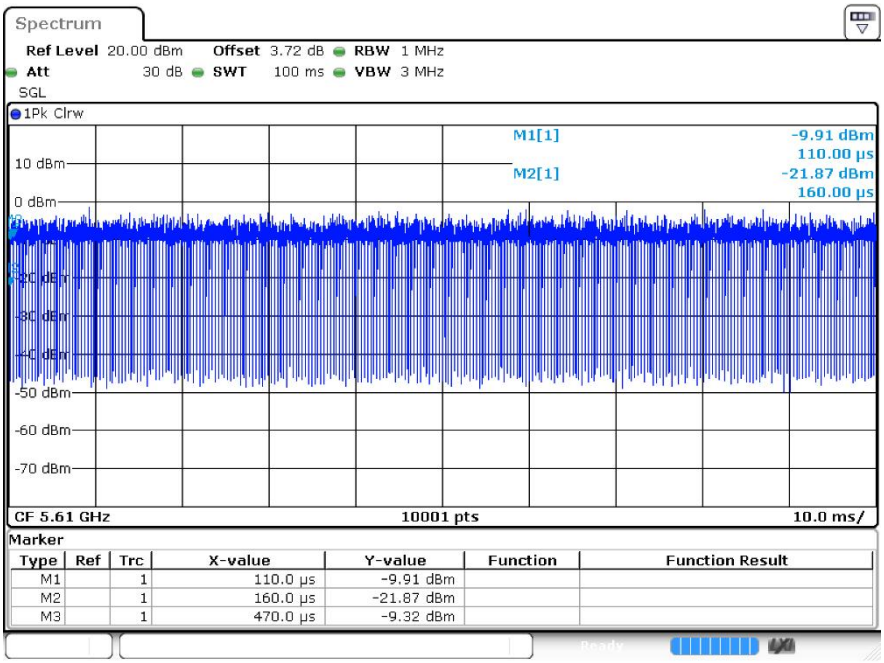
Duty Cycleac80 5290MHz Ant1



Duty Cycle ac80 5530MHz Ant1



Duty Cycleac80 5610MHz Ant1



2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	13.6	24	Pass
a	5200	Ant1	13.5	24	Pass
a	5240	Ant1	13.36	24	Pass
n20	5180	Ant1	13.4	24	Pass
n20	5200	Ant1	13.26	24	Pass
n20	5240	Ant1	13.21	24	Pass
n40	5190	Ant1	12.89	24	Pass
n40	5230	Ant1	12.82	24	Pass
ac20	5180	Ant1	13.3	24	Pass
ac20	5200	Ant1	13.24	24	Pass
ac20	5240	Ant1	13.23	24	Pass
ac40	5190	Ant1	12.89	24	Pass
ac40	5230	Ant1	12.79	24	Pass
ac80	5210	Ant1	12.26	24	Pass
a	5260	Ant1	13.24	24	Pass
a	5280	Ant1	12.86	24	Pass
a	5320	Ant1	12.35	24	Pass
n20	5260	Ant1	13.03	24	Pass
n20	5280	Ant1	12.68	24	Pass
n20	5320	Ant1	12.17	24	Pass
n40	5270	Ant1	12.54	24	Pass
n40	5310	Ant1	11.9	24	Pass
ac20	5260	Ant1	13.05	24	Pass
ac20	5280	Ant1	12.75	24	Pass
ac20	5320	Ant1	12.21	24	Pass
ac40	5270	Ant1	12.44	24	Pass
ac40	5310	Ant1	11.83	24	Pass
ac80	5290	Ant1	12.04	24	Pass
a	5500	Ant1	12.43	24	Pass
a	5600	Ant1	12.61	24	Pass
a	5700	Ant1	13.06	24	Pass
n20	5280	Ant1	12.68	24	Pass
n20	5320	Ant1	12.17	24	Pass
n20	5500	Ant1	12.26	24	Pass
n20	5600	Ant1	12.24	24	Pass
n20	5700	Ant1	12.89	24	Pass

n40	5510	Ant1	11.89	24	Pass
n40	5670	Ant1	12.49	24	Pass
ac20	5500	Ant1	12.22	24	Pass
ac20	5600	Ant1	12.39	24	Pass
ac20	5700	Ant1	12.92	24	Pass
ac40	5510	Ant1	11.78	24	Pass
ac40	5670	Ant1	12.36	24	Pass
ac80	5530	Ant1	11.04	24	Pass
ac80	5610	Ant1	11.29	24	Pass

Note:

The duty factor has been compensated into the result.

3 -26dB Bandwidth

3.1 Test Result

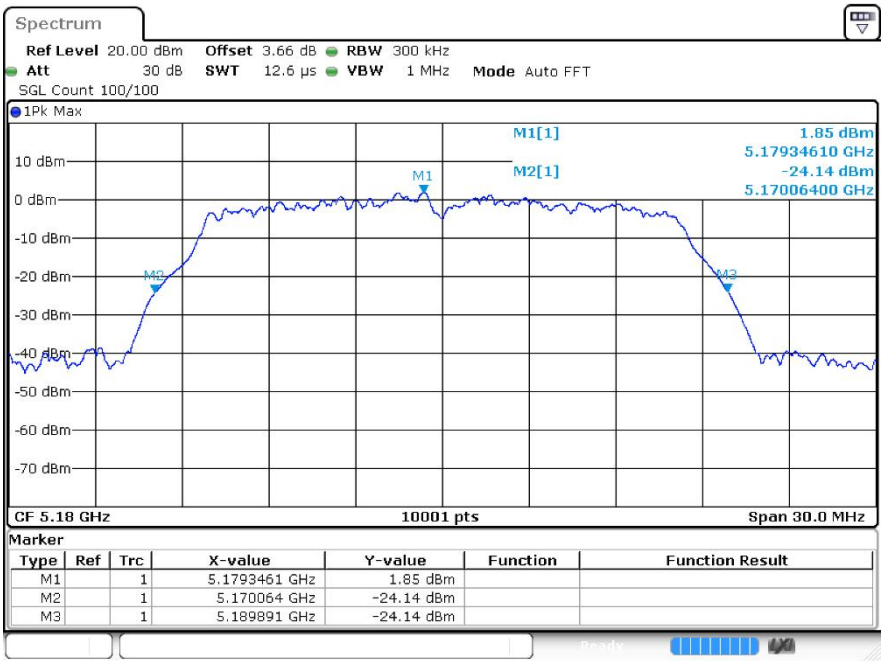
Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
a	5180	Ant1	19.827	Pass
a	5200	Ant1	20.112	Pass
a	5240	Ant1	19.833	Pass
a	5260	Ant1	19.818	Pass
a	5280	Ant1	19.662	Pass
a	5320	Ant1	19.728	Pass
a	5500	Ant1	19.605	Pass
a	5600	Ant1	19.878	Pass
a	5700	Ant1	19.944	Pass
n20	5180	Ant1	20.217	Pass
n20	5200	Ant1	20.199	Pass
n20	5240	Ant1	20.121	Pass
n20	5280	Ant1	20.181	Pass
n20	5320	Ant1	20.295	Pass
n20	5500	Ant1	20.211	Pass
n20	5600	Ant1	20.469	Pass
n20	5700	Ant1	20.037	Pass
n40	5190	Ant1	39.678	Pass
n40	5230	Ant1	39.21	Pass
n40	5270	Ant1	39.018	Pass
n40	5310	Ant1	39.264	Pass
n40	5510	Ant1	39.33	Pass
n40	5670	Ant1	39.36	Pass
ac20	5180	Ant1	20.301	Pass
ac20	5200	Ant1	20.202	Pass
ac20	5240	Ant1	20.13	Pass
ac20	5260	Ant1	20.265	Pass
ac20	5280	Ant1	20.163	Pass
ac20	5320	Ant1	20.193	Pass
ac20	5500	Ant1	20.34	Pass
ac20	5600	Ant1	20.229	Pass
ac20	5700	Ant1	19.953	Pass
ac40	5190	Ant1	39.15	Pass
ac40	5230	Ant1	39.594	Pass
ac40	5270	Ant1	39.672	Pass
ac40	5310	Ant1	39.456	Pass
ac40	5510	Ant1	38.898	Pass

ac40	5670	Ant1	39.636	Pass
ac80	5210	Ant1	79.128	Pass
ac80	5290	Ant1	78.84	Pass
ac80	5530	Ant1	78.696	Pass
ac80	5610	Ant1	79.524	Pass

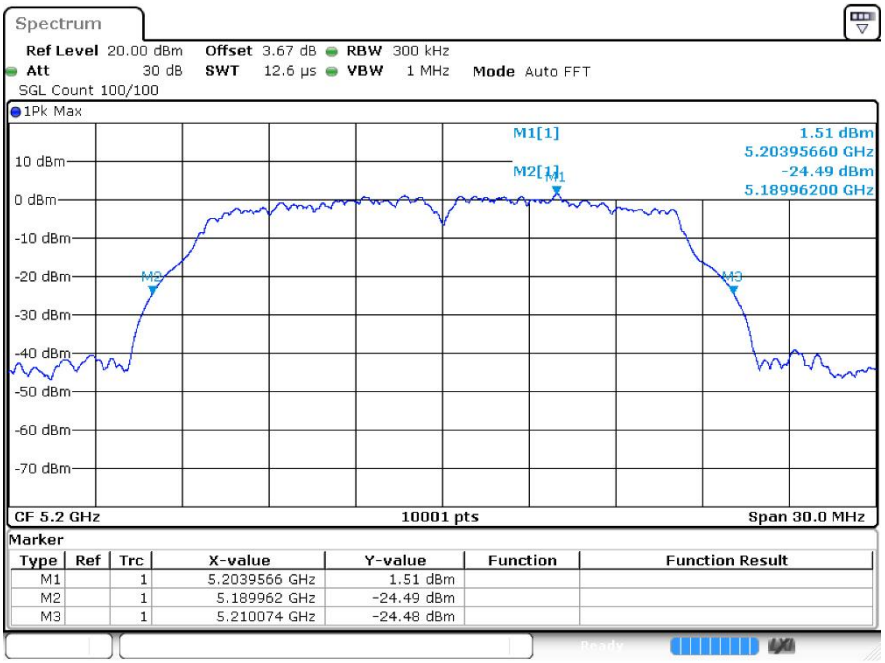
3.2 Test Graphs

Test Graphs

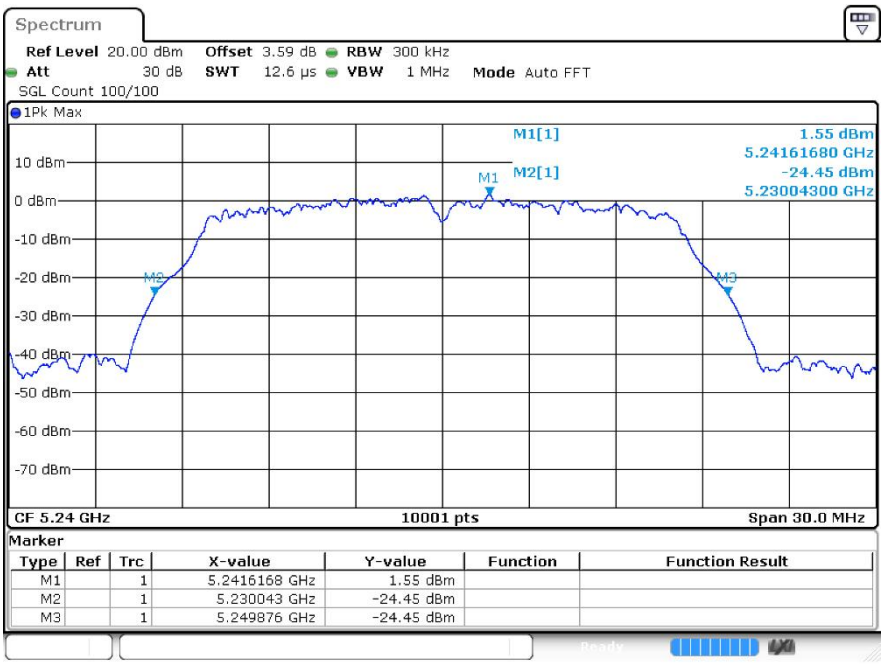
-26dB Bandwidtha 5180MHz Ant1



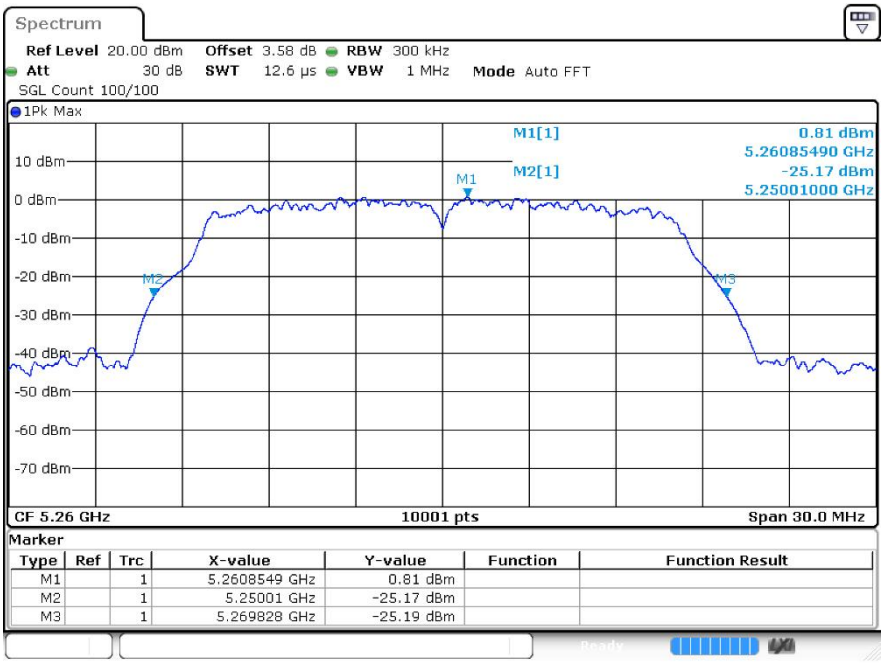
-26dB Bandwidtha 5200MHz Ant1



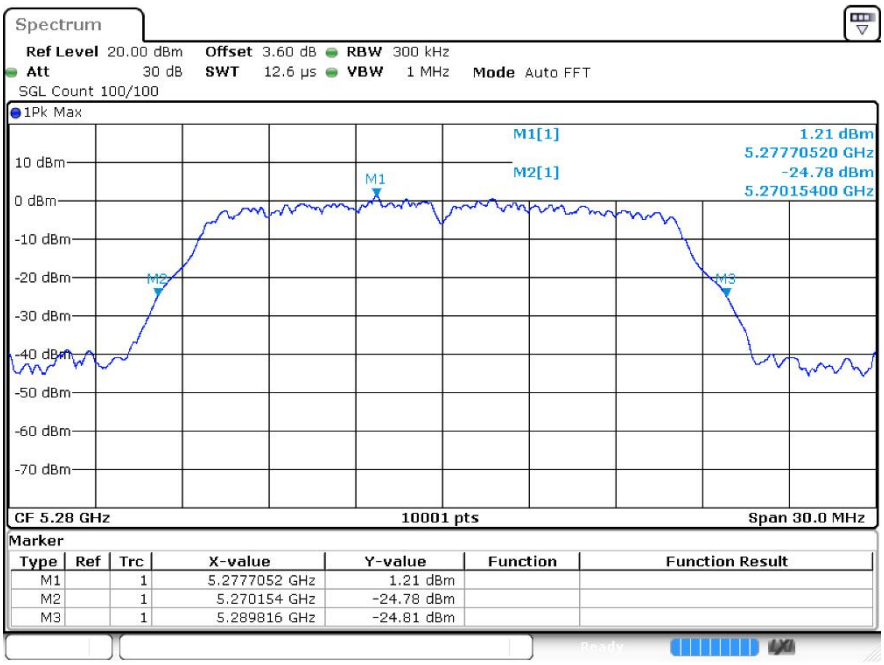
-26dB Bandwidtha 5240MHz Ant1



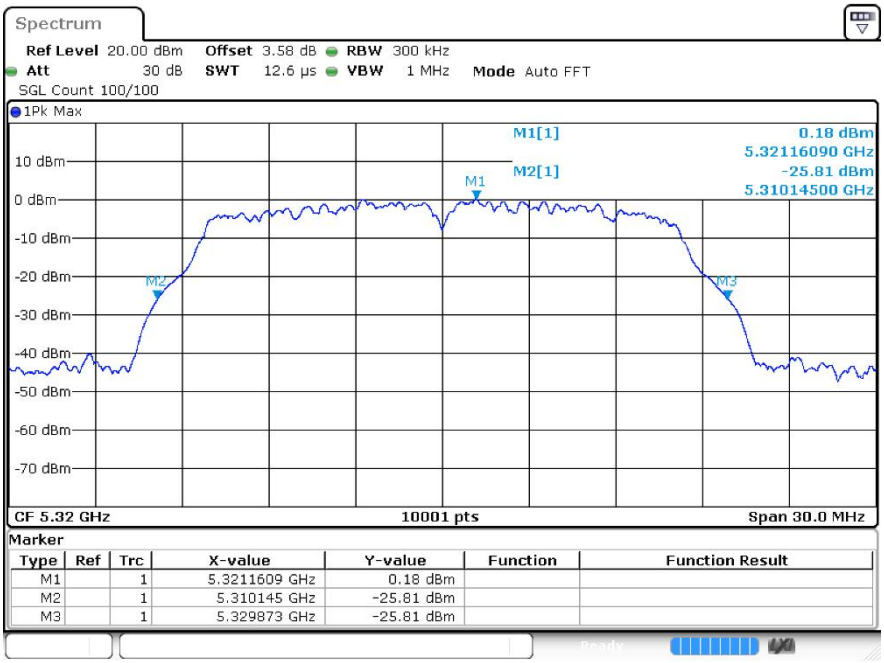
-26dB Bandwidtha 5260MHz Ant1



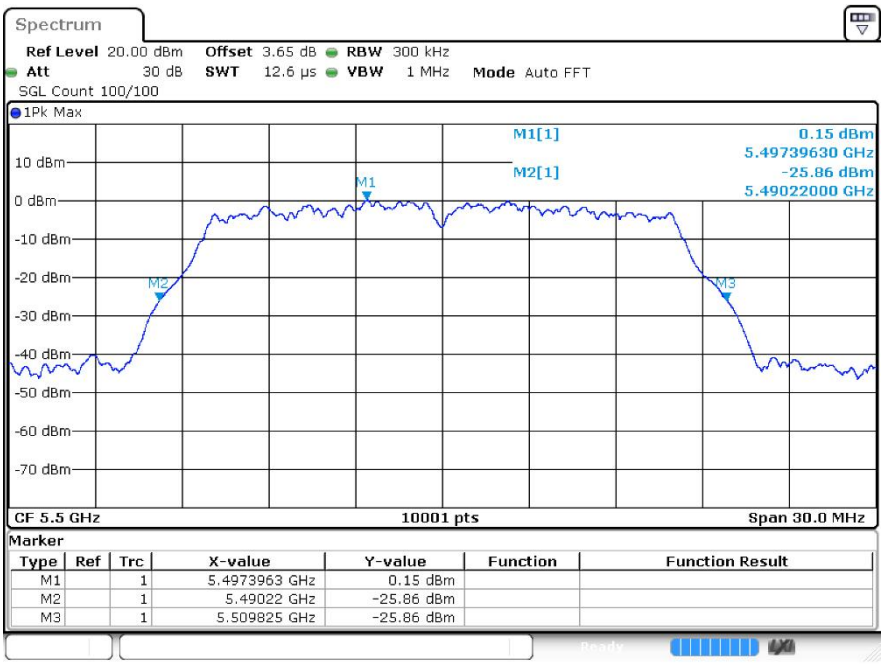
-26dB Bandwidtha 5280MHz Ant1



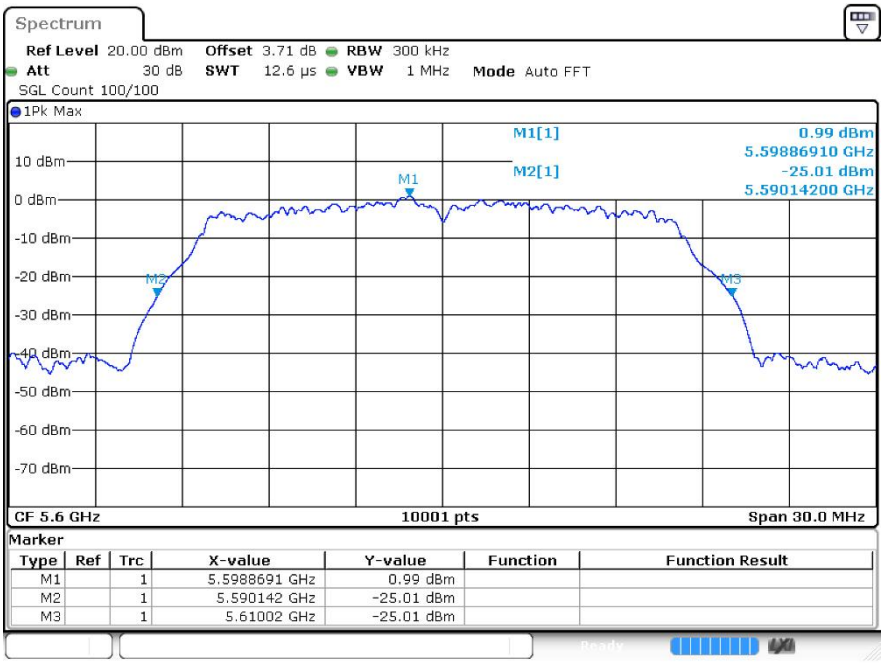
-26dB Bandwidth a 5320MHz Ant1



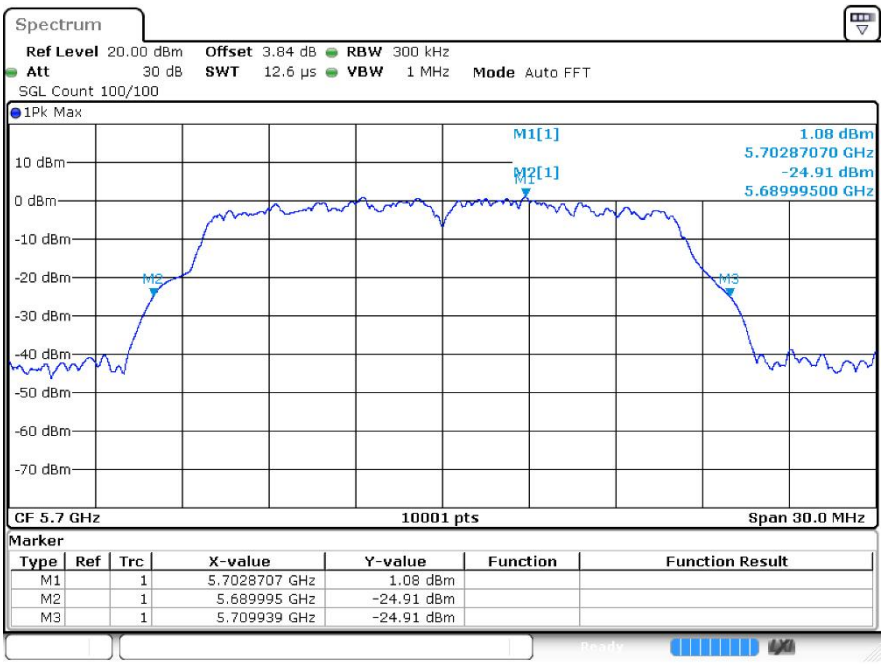
-26dB Bandwidtha 5500MHz Ant1



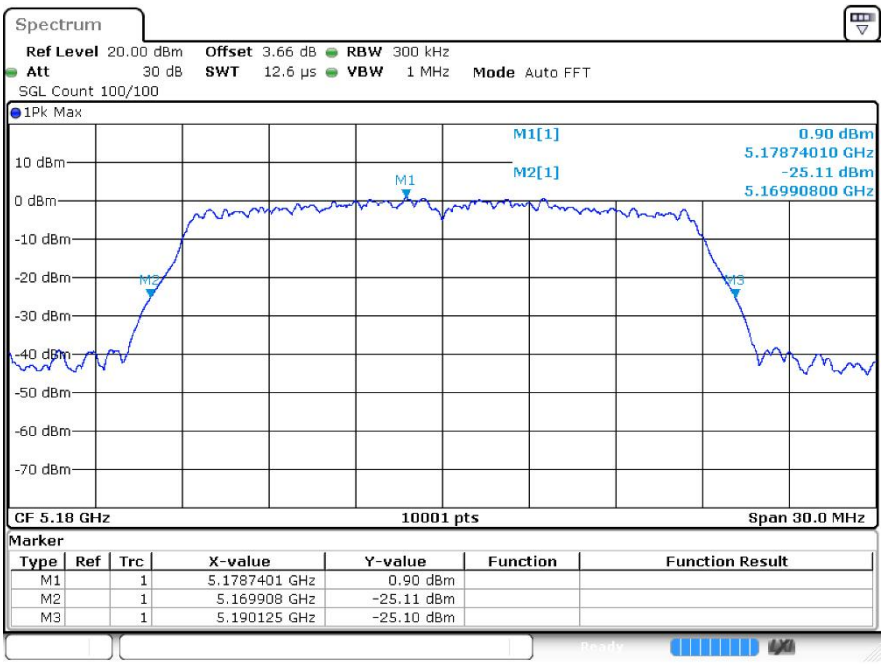
-26dB Bandwidtha 5600MHz Ant1



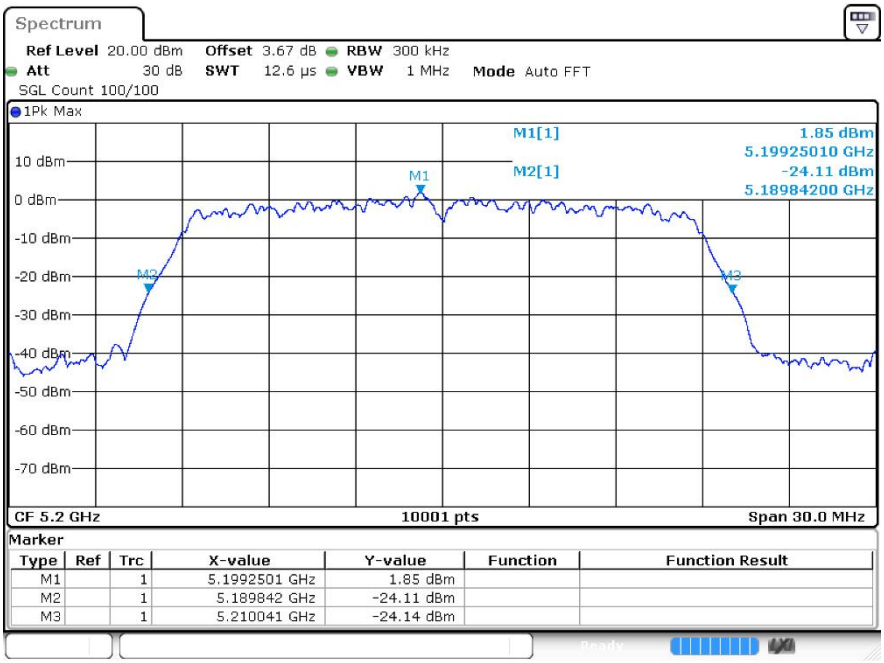
-26dB Bandwidth a 5700MHz Ant1



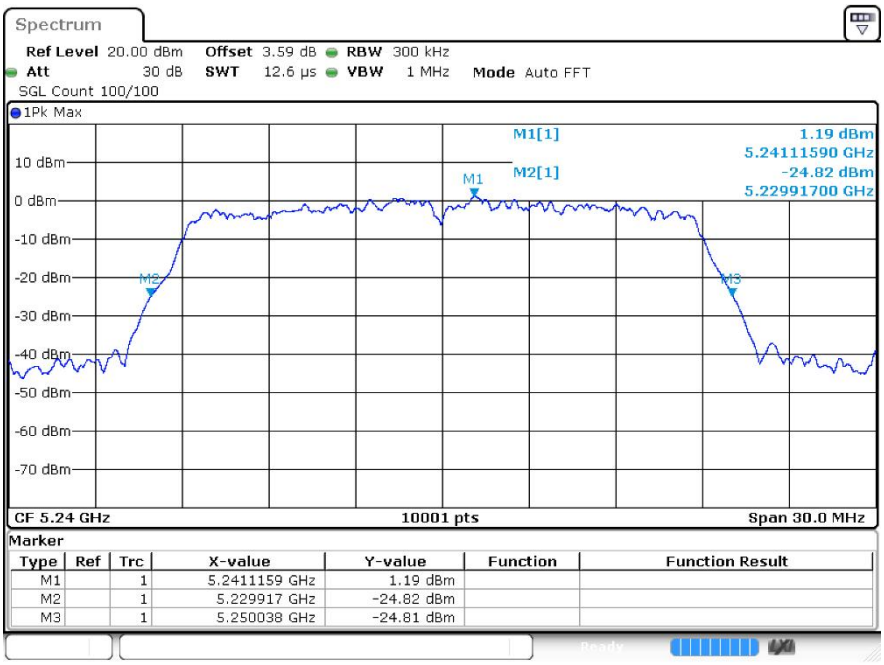
-26dB Bandwidth n20 5180MHz Ant1



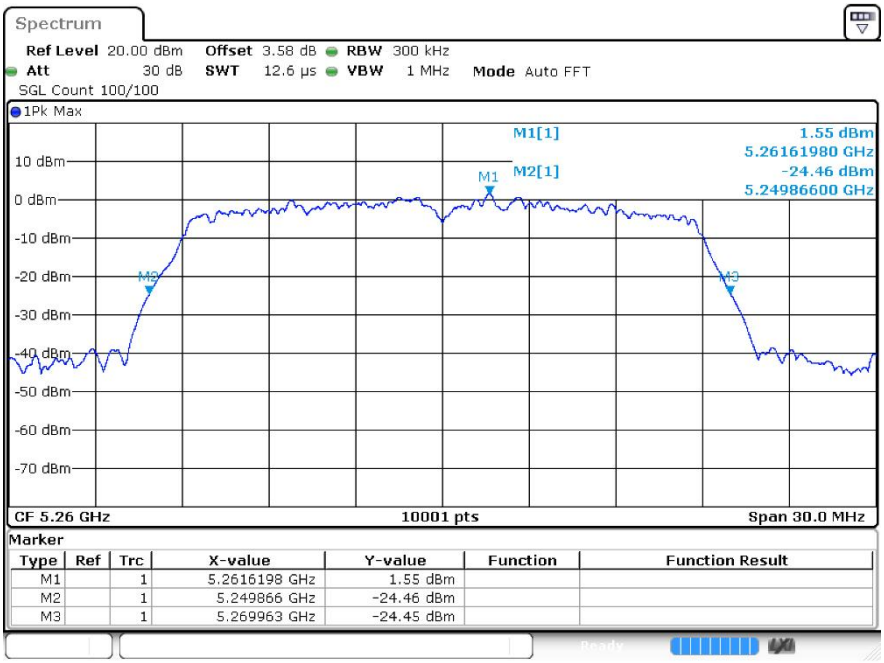
-26dB Bandwidth n20 5200MHz Ant1



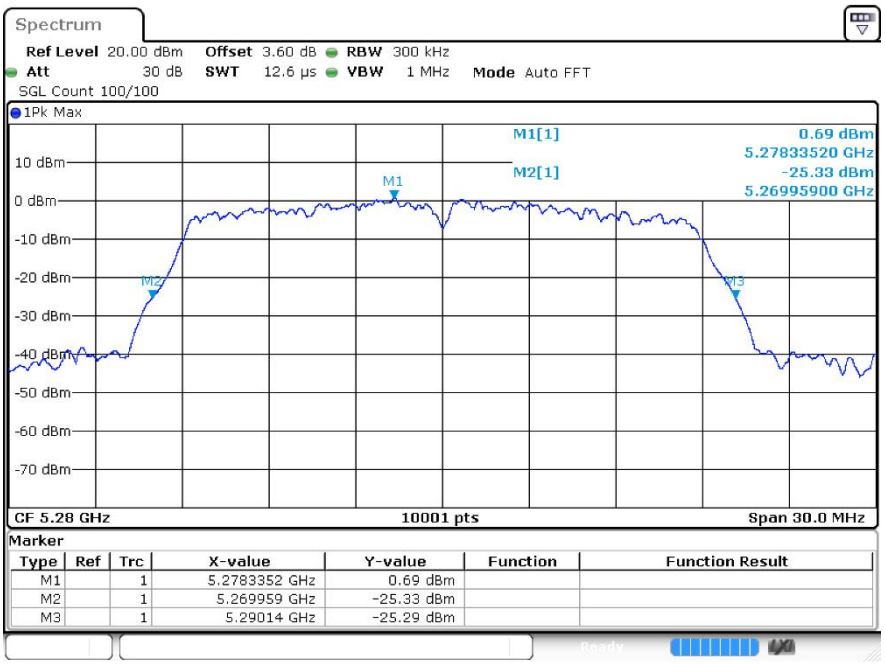
-26dB Bandwidth n20 5240MHz Ant1



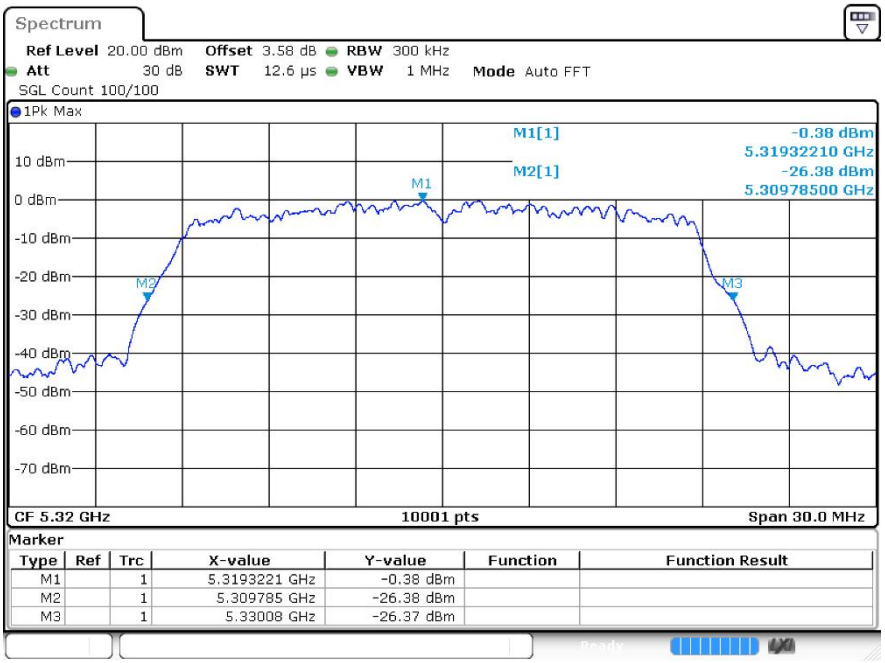
-26dB Bandwidth n20 5260MHz Ant1



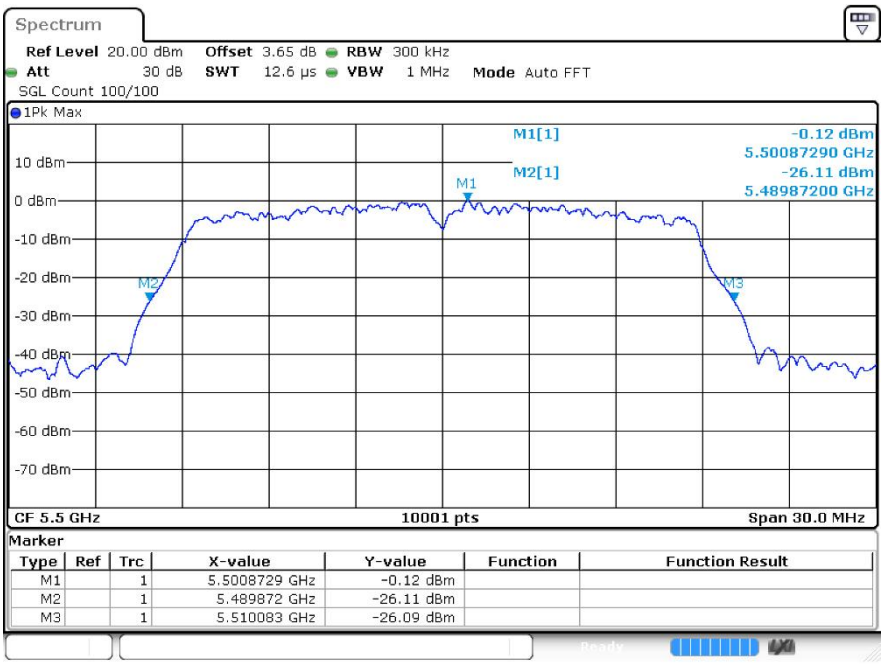
-26dB Bandwidth n20 5280MHz Ant1



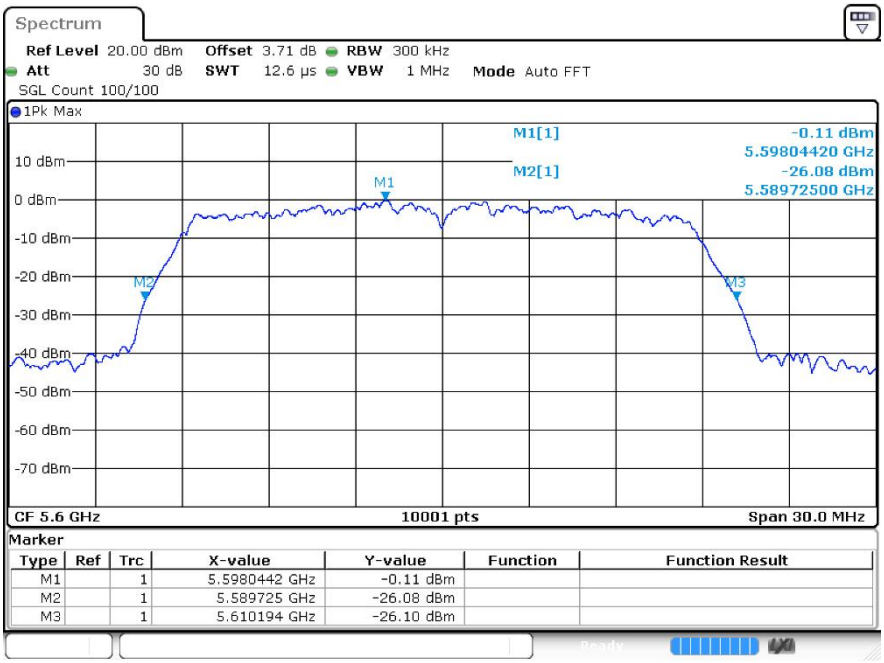
-26dB Bandwidth n20 5320MHz Ant1



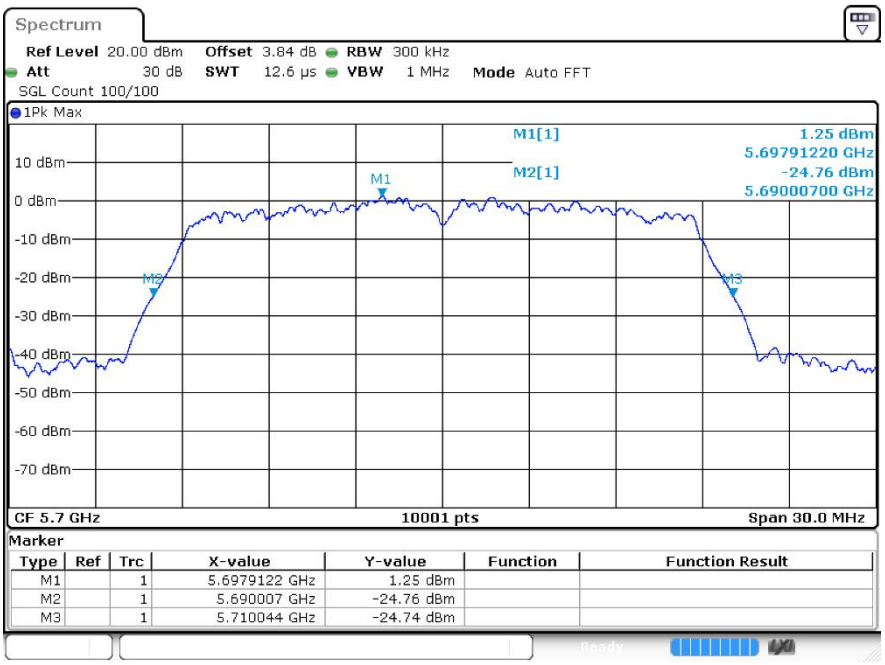
-26dB Bandwidth n20 5500MHz Ant1



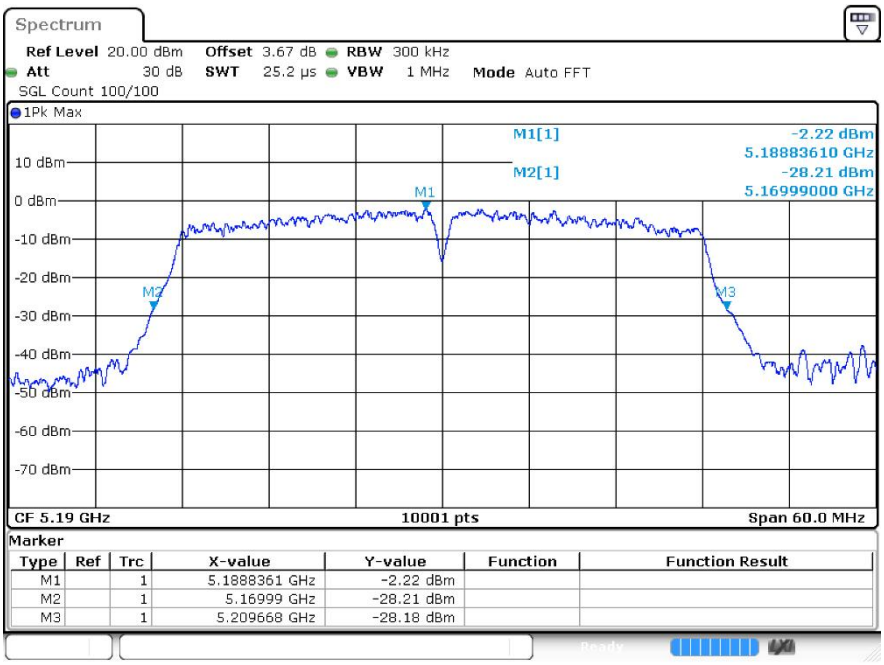
-26dB Bandwidth n20 5600MHz Ant1



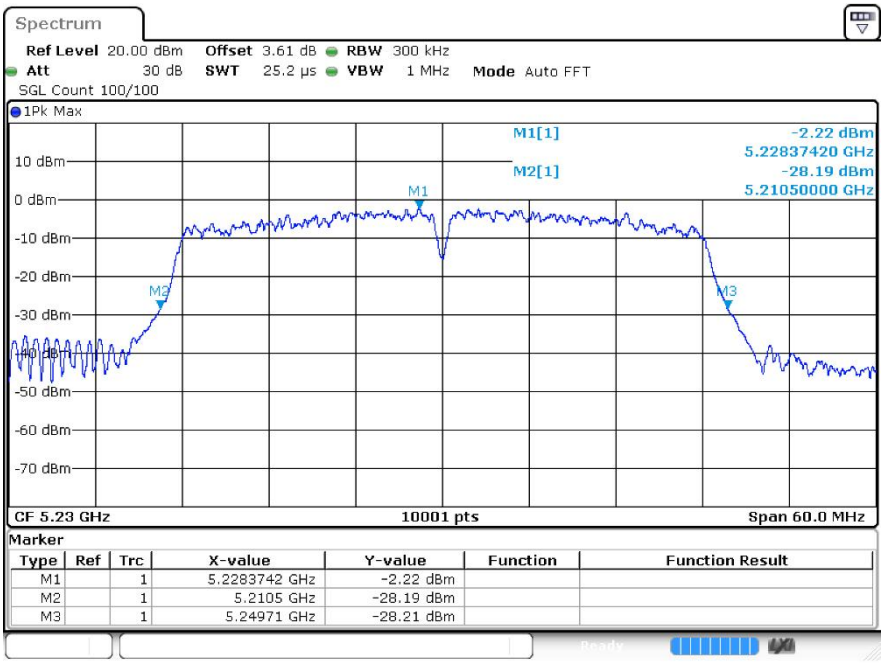
-26dB Bandwidth n20 5700MHz Ant1



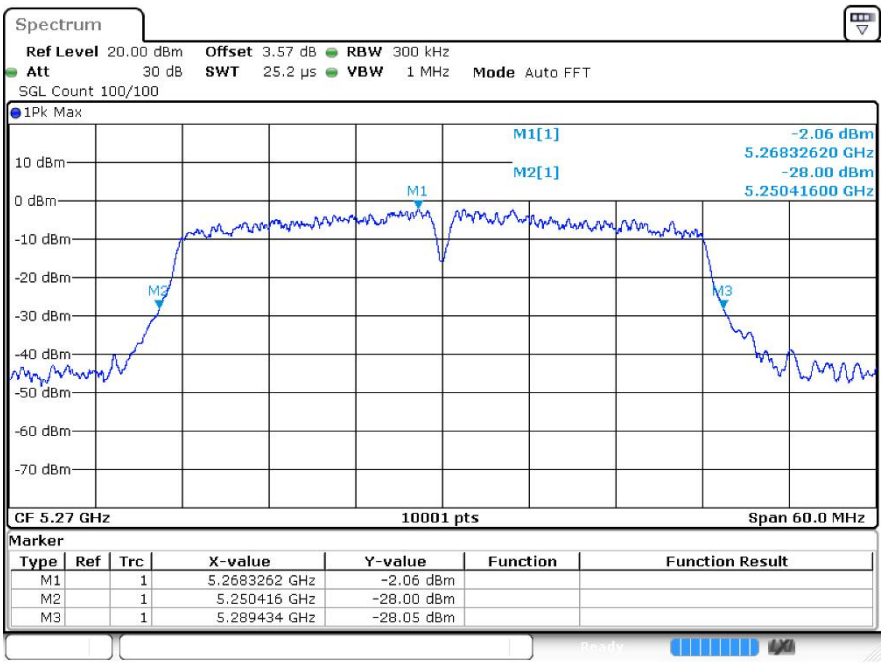
-26dB Bandwidthn40 5190MHz Ant1



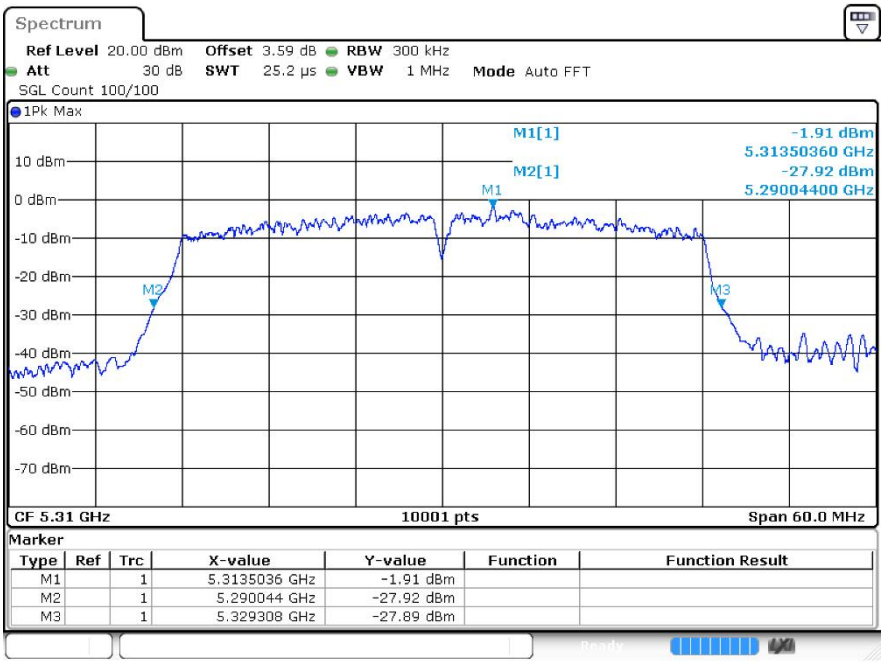
-26dB Bandwidthn40 5230MHz Ant1



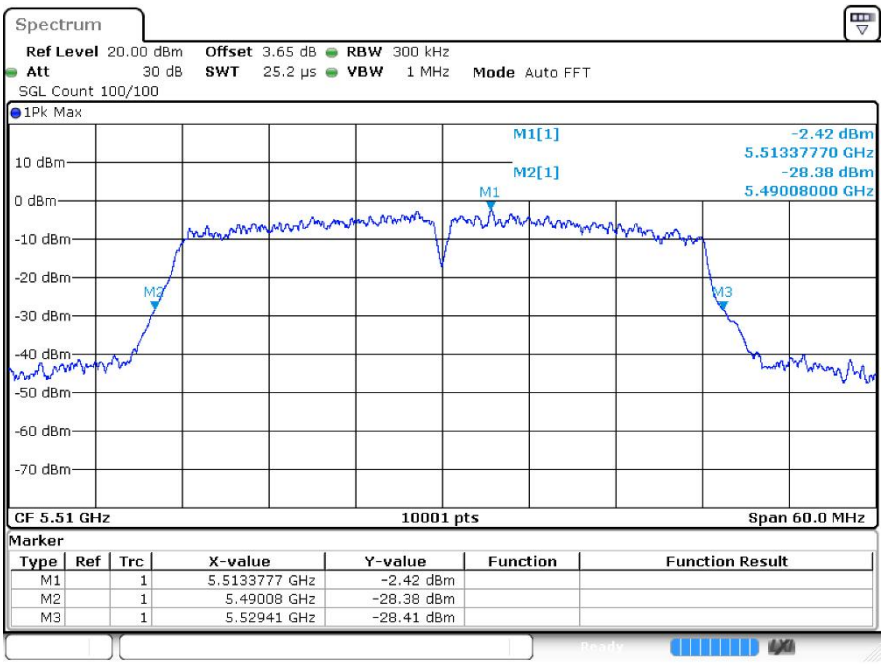
-26dB Bandwidth n40 5270MHz Ant1



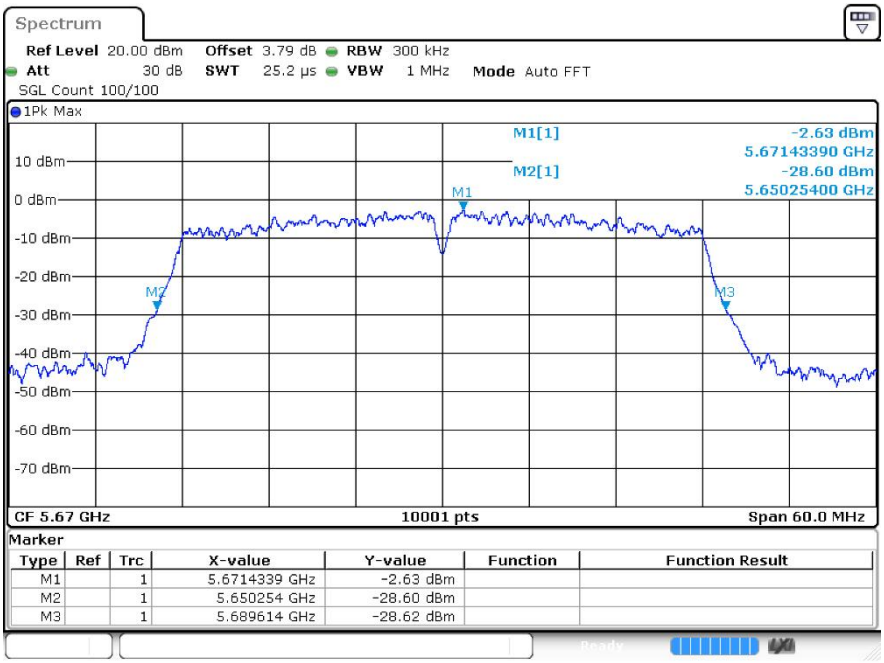
-26dB Bandwidth n40 5310MHz Ant1



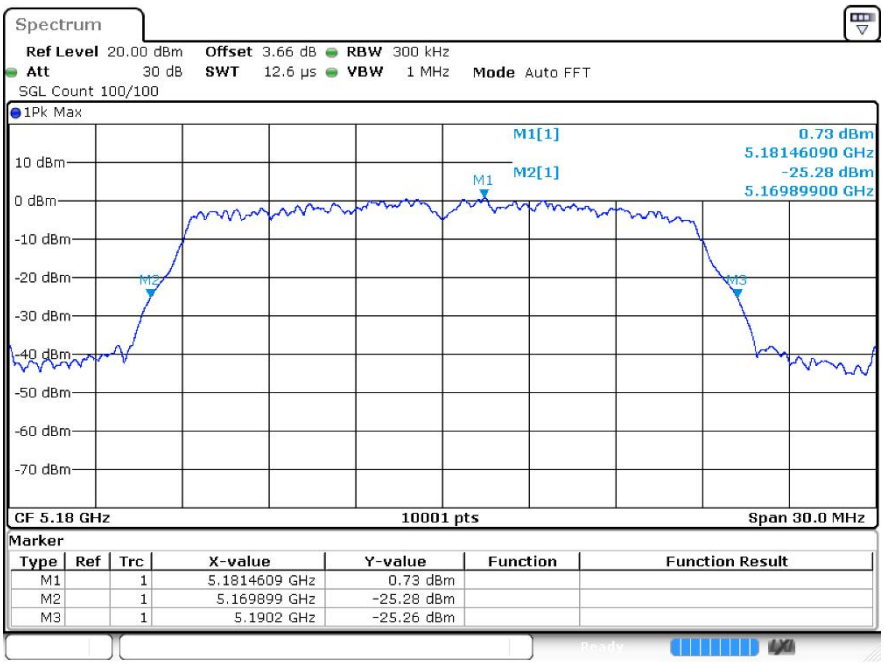
-26dB Bandwidthn40 5510MHz Ant1



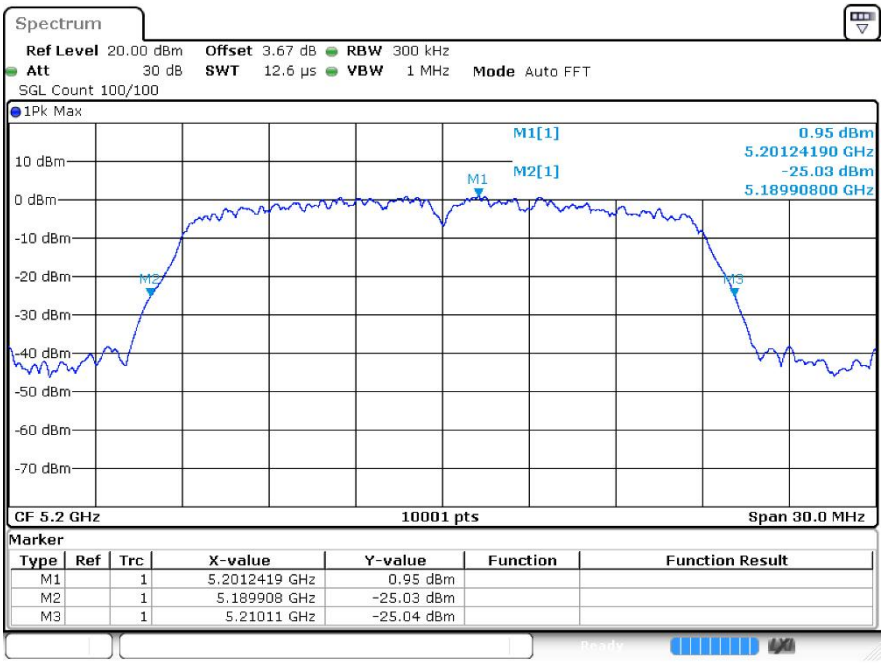
-26dB Bandwidth n40 5670MHz Ant1



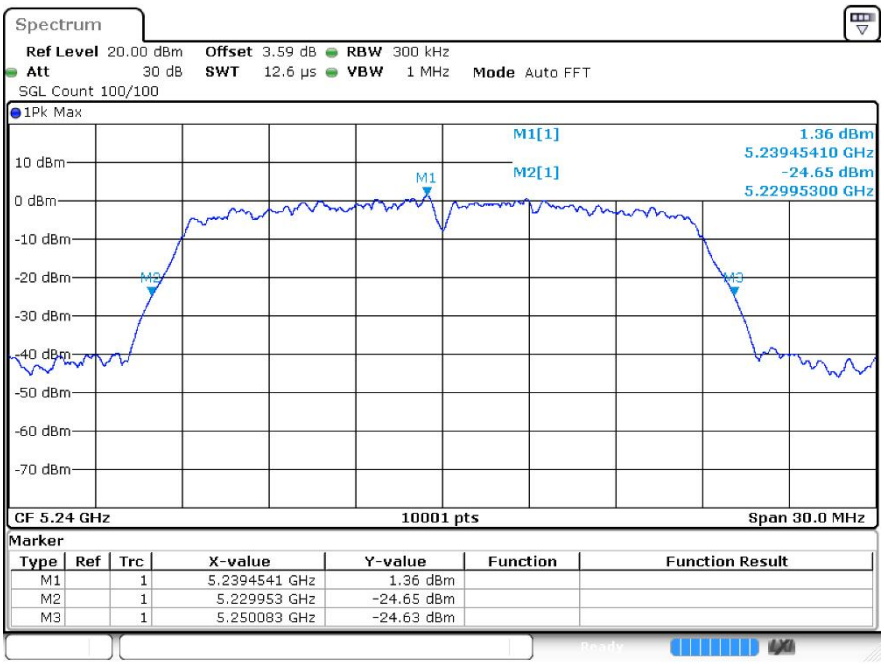
-26dB Bandwidth ac20 5180MHz Ant1



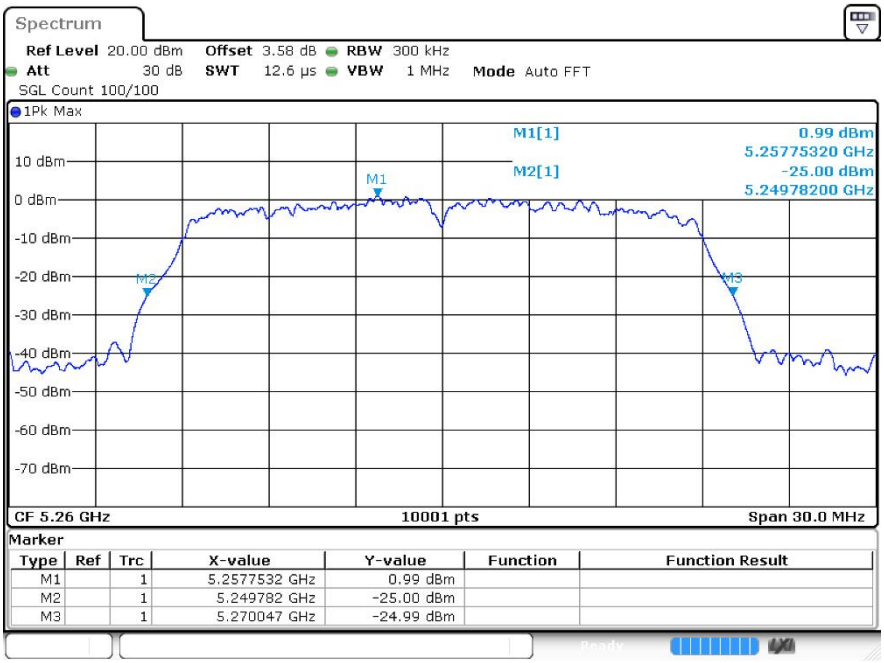
-26dB Bandwidth ac20 5200MHz Ant1



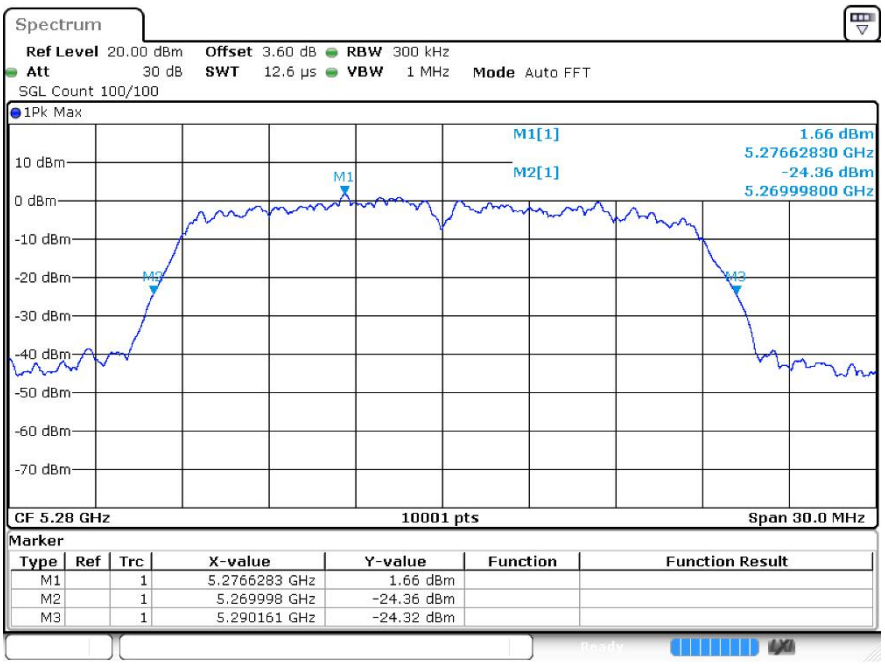
-26dB Bandwidth ac20 5240MHz Ant1



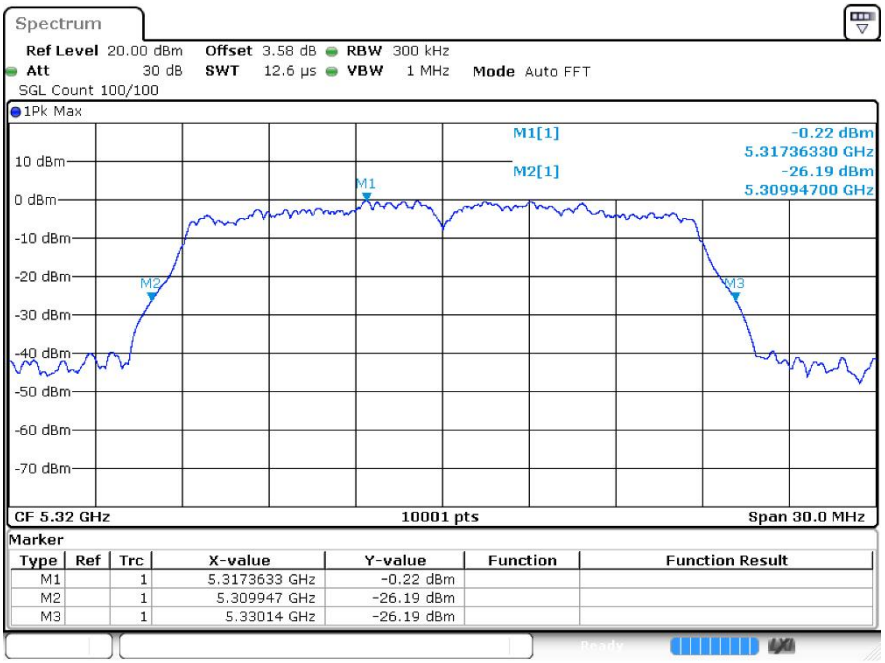
-26dB Bandwidth ac20 5260MHz Ant1



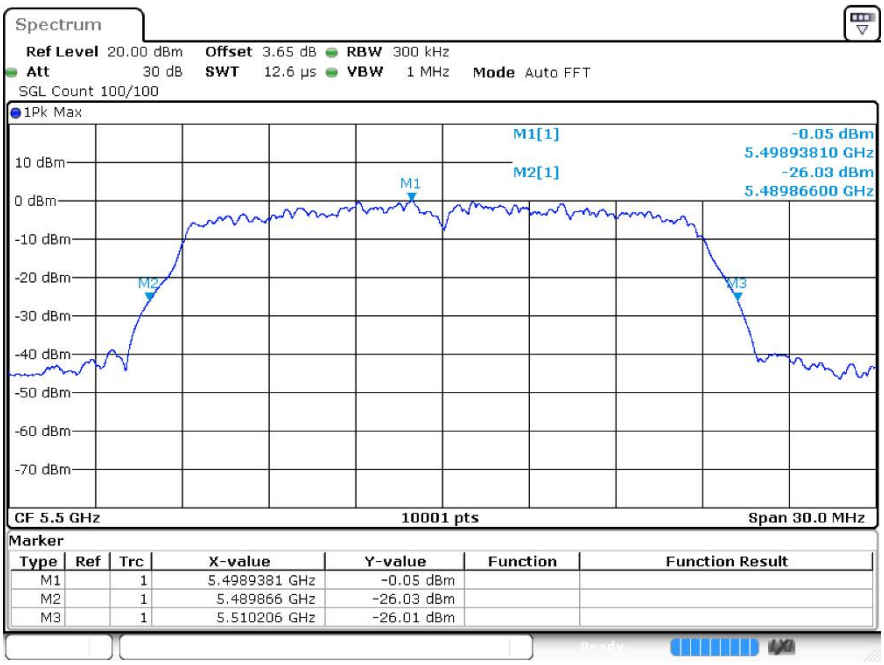
-26dB Bandwidth ac20 5280MHz Ant1



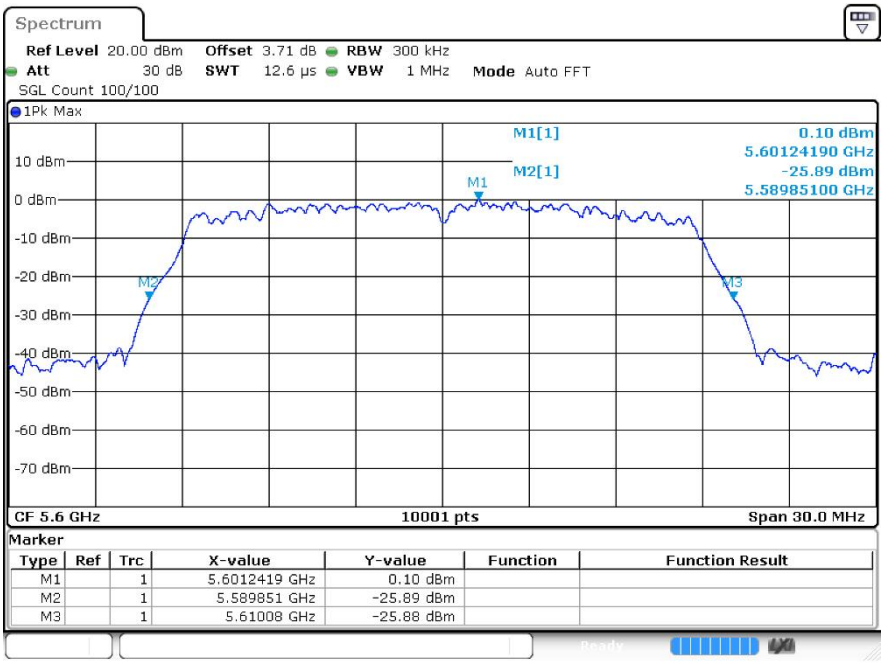
-26dB Bandwidth ac20 5320MHz Ant1



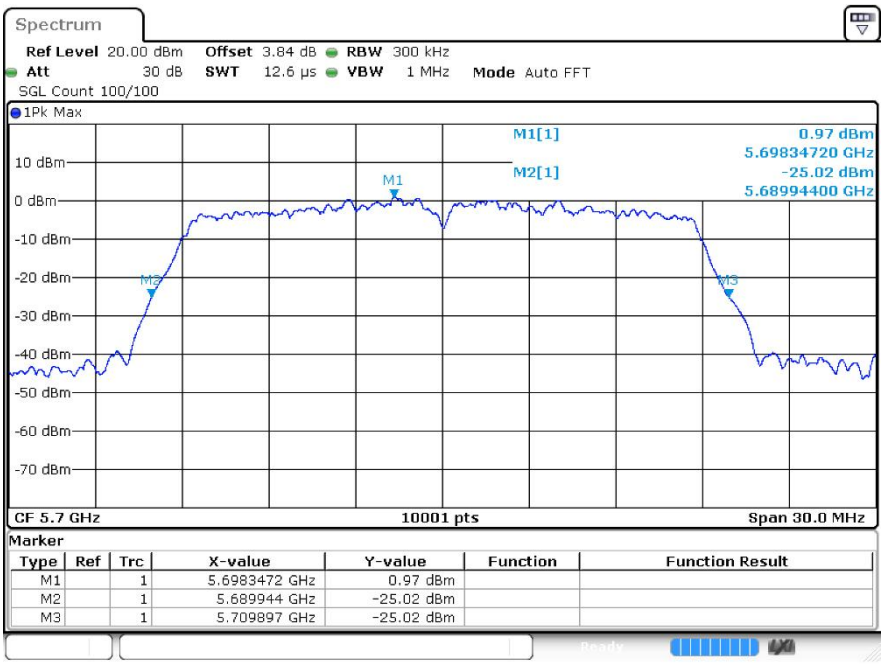
-26dB Bandwidth ac20 5500MHz Ant1



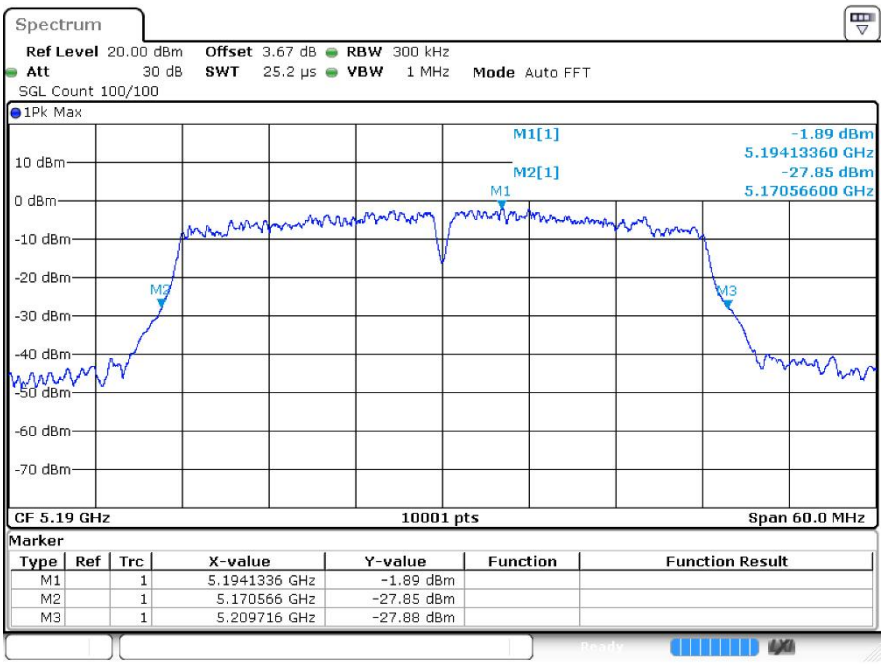
-26dB Bandwidth ac20 5600MHz Ant1



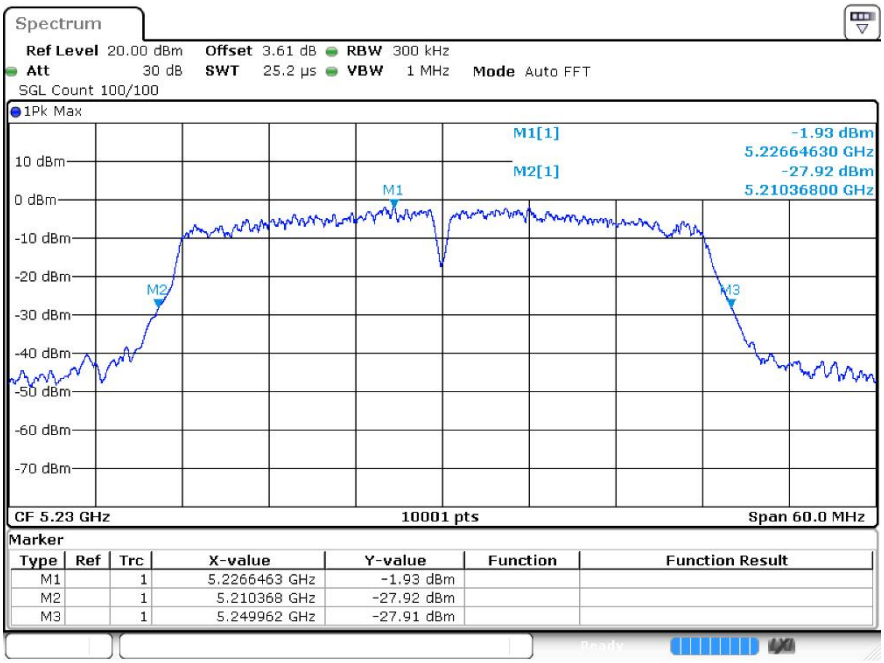
-26dB Bandwidth ac20 5700MHz Ant1



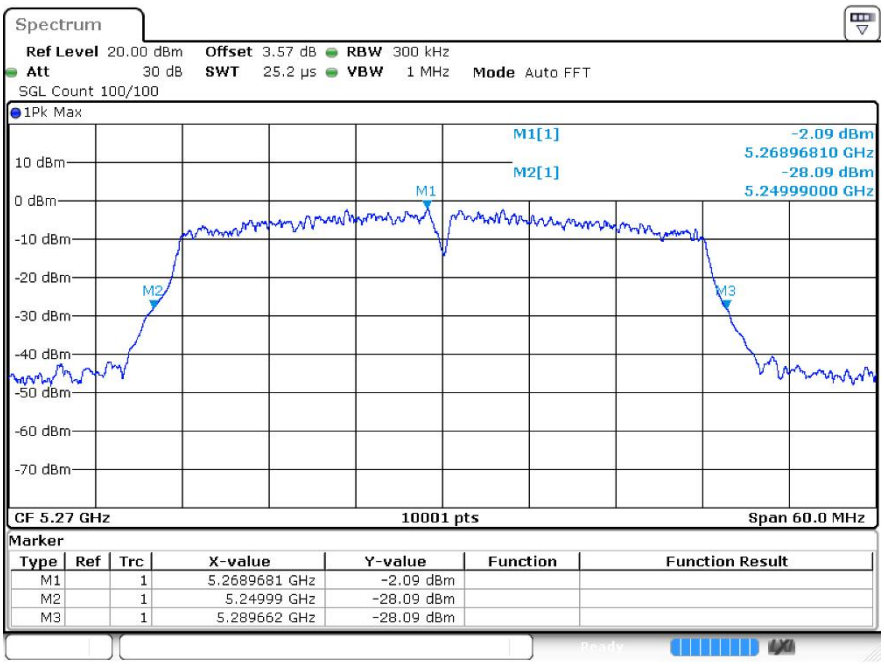
-26dB Bandwidthac40 5190MHz Ant1



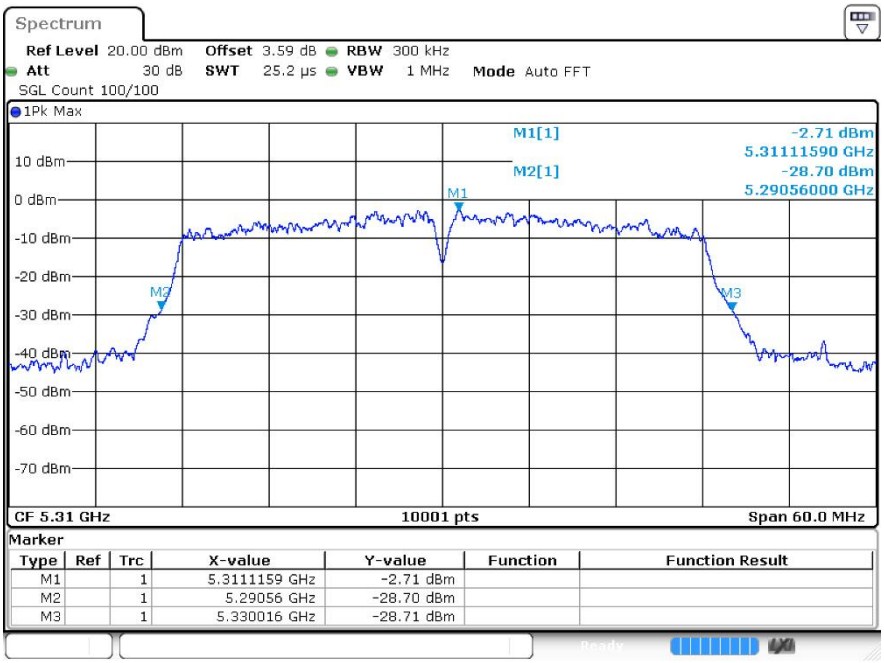
-26dB Bandwidthac40 5230MHz Ant1



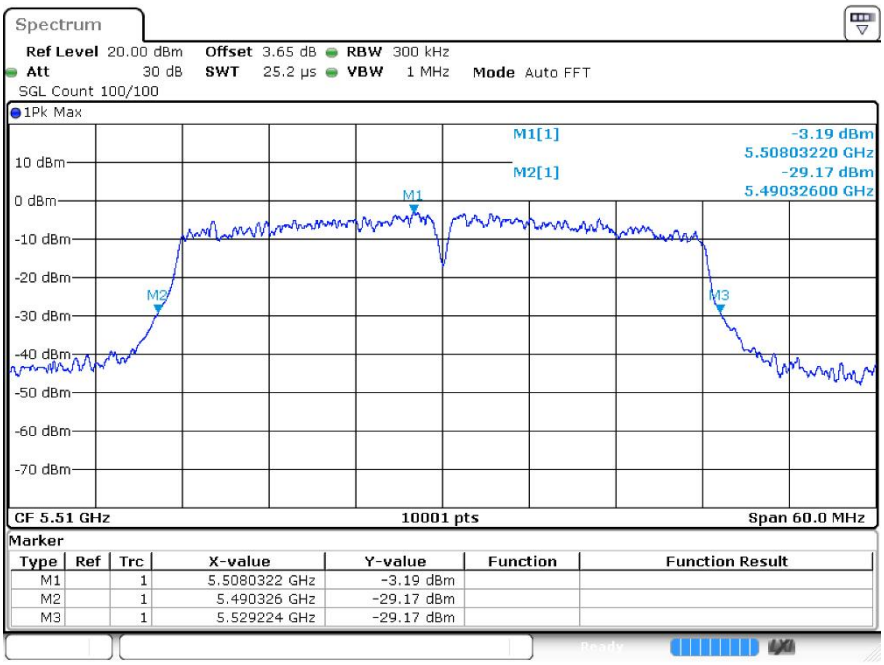
-26dB Bandwidth ac40 5270MHz Ant1



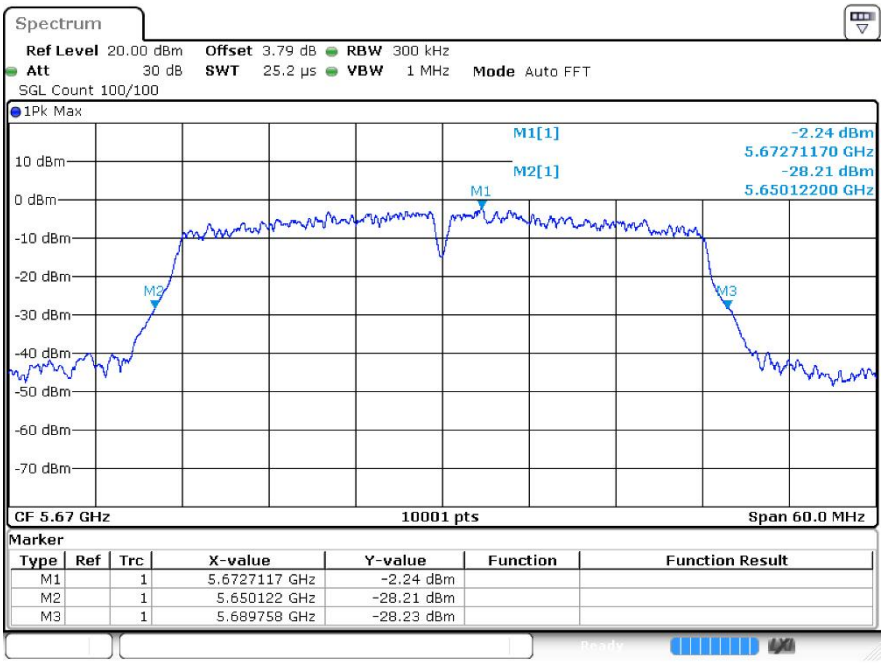
-26dB Bandwidth ac40 5310MHz Ant1



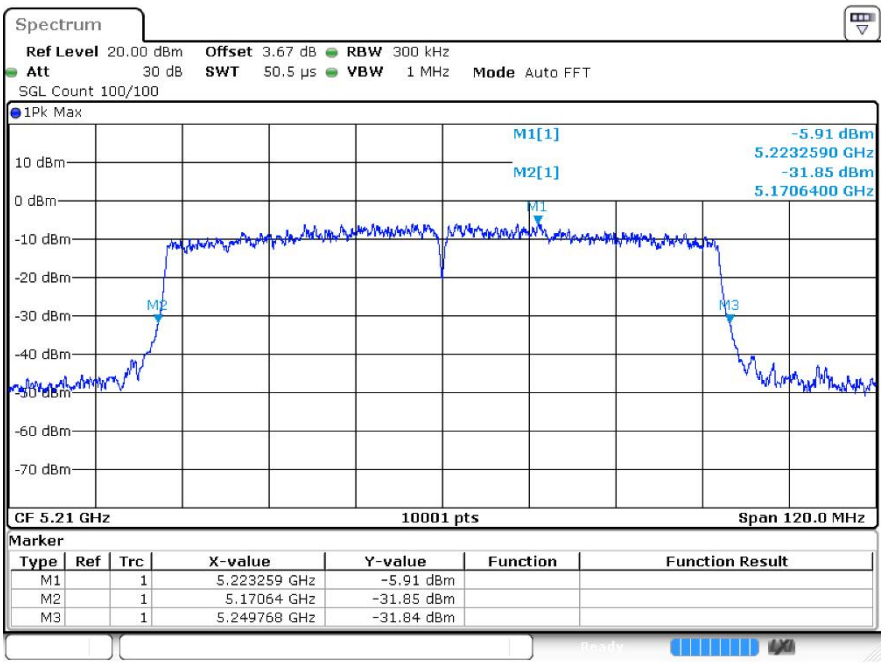
-26dB Bandwidthac40 5510MHz Ant1



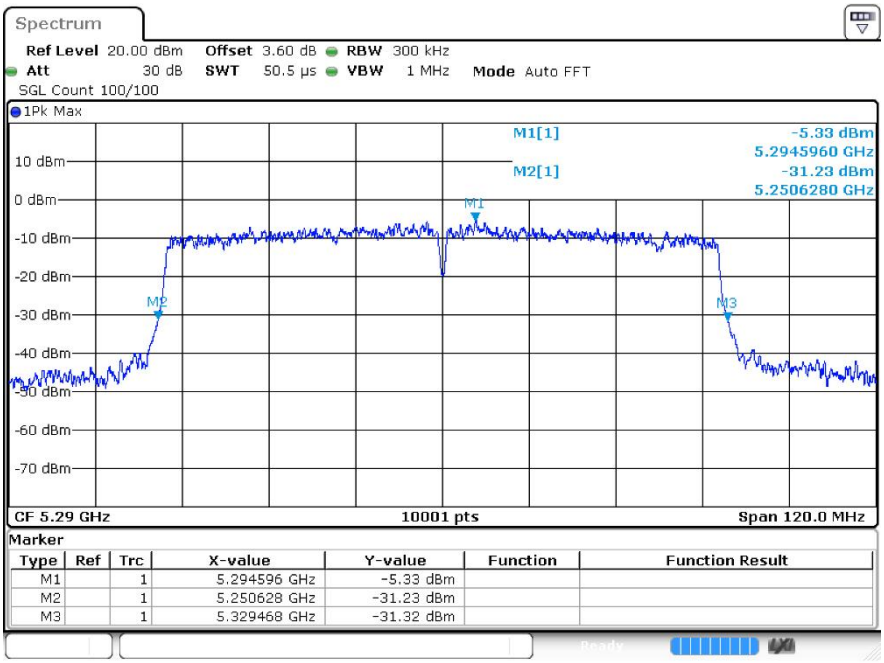
-26dB Bandwidth ac40 5670MHz Ant1



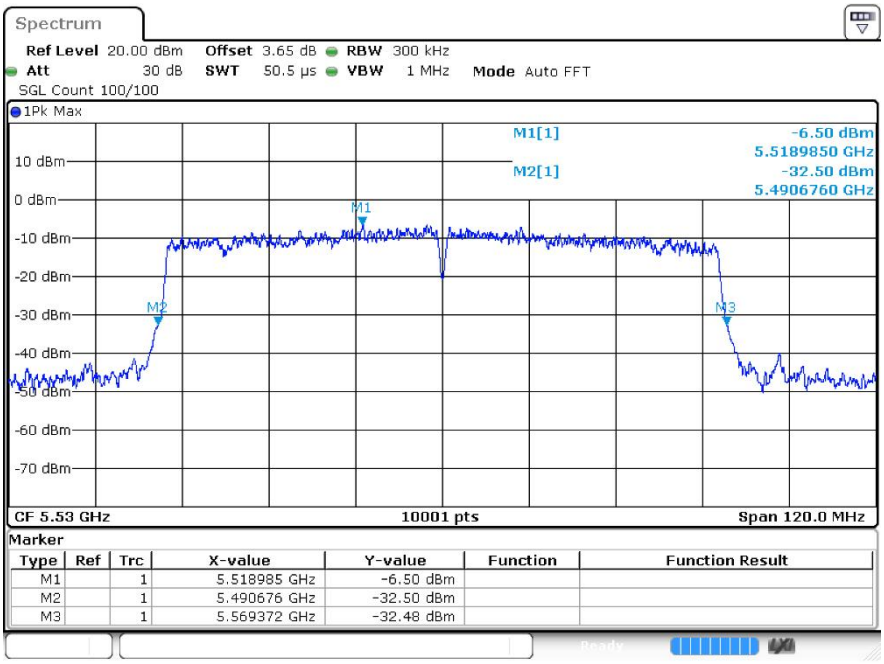
-26dB Bandwidthac80 5210MHz Ant1



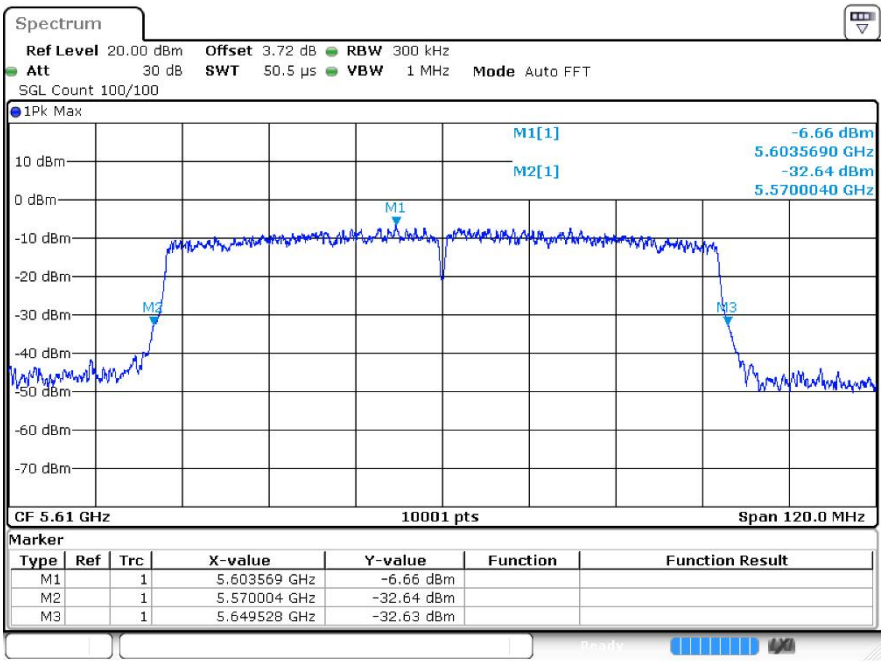
-26dB Bandwidthac80 5290MHz Ant1



-26dB Bandwidth ac80 5530MHz Ant1



-26dB Bandwidthac80 5610MHz Ant1



4 Occupied Channel Bandwidth

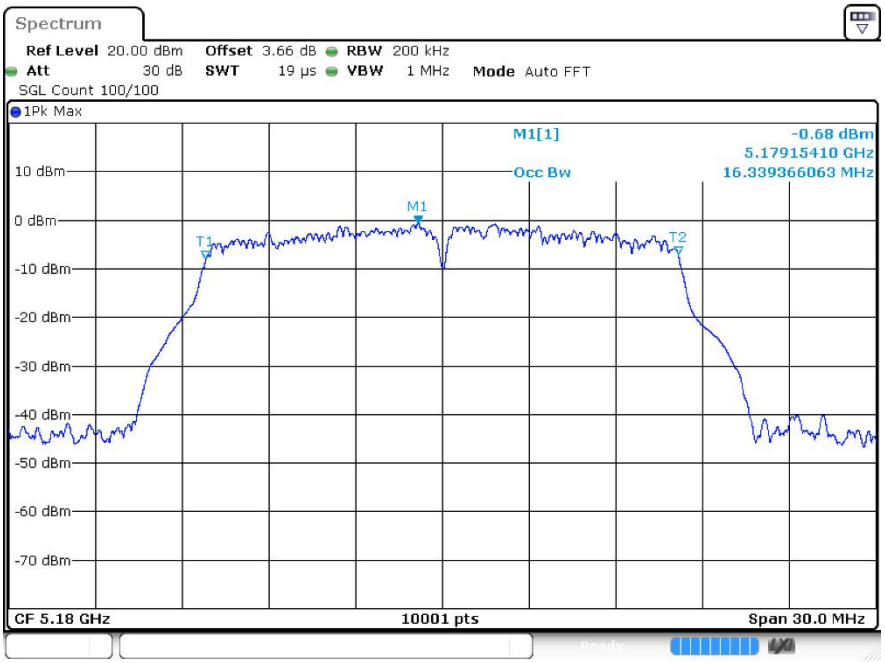
4.1 Test Result

Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
a	5180	Ant1	16.339
a	5200	Ant1	16.348
a	5240	Ant1	16.393
a	5260	Ant1	16.297
a	5280	Ant1	16.372
a	5320	Ant1	16.303
a	5500	Ant1	16.396
a	5600	Ant1	16.273
a	5700	Ant1	16.348
n20	5180	Ant1	17.506
n20	5200	Ant1	17.518
n20	5240	Ant1	17.527
n20	5260	Ant1	17.557
n20	5280	Ant1	17.536
n20	5320	Ant1	17.479
n20	5500	Ant1	17.542
n20	5600	Ant1	17.647
n20	5700	Ant1	17.569
n40	5190	Ant1	35.978
n40	5230	Ant1	35.906
n40	5270	Ant1	35.936
n40	5310	Ant1	36.14
n40	5510	Ant1	35.876
n40	5670	Ant1	35.798
ac20	5180	Ant1	17.608
ac20	5200	Ant1	17.512
ac20	5240	Ant1	17.539
ac20	5260	Ant1	17.554
ac20	5280	Ant1	17.584
ac20	5320	Ant1	17.488
ac20	5500	Ant1	17.539
ac20	5600	Ant1	17.479
ac20	5700	Ant1	17.611
ac40	5190	Ant1	36.002
ac40	5230	Ant1	35.834
ac40	5270	Ant1	36.032

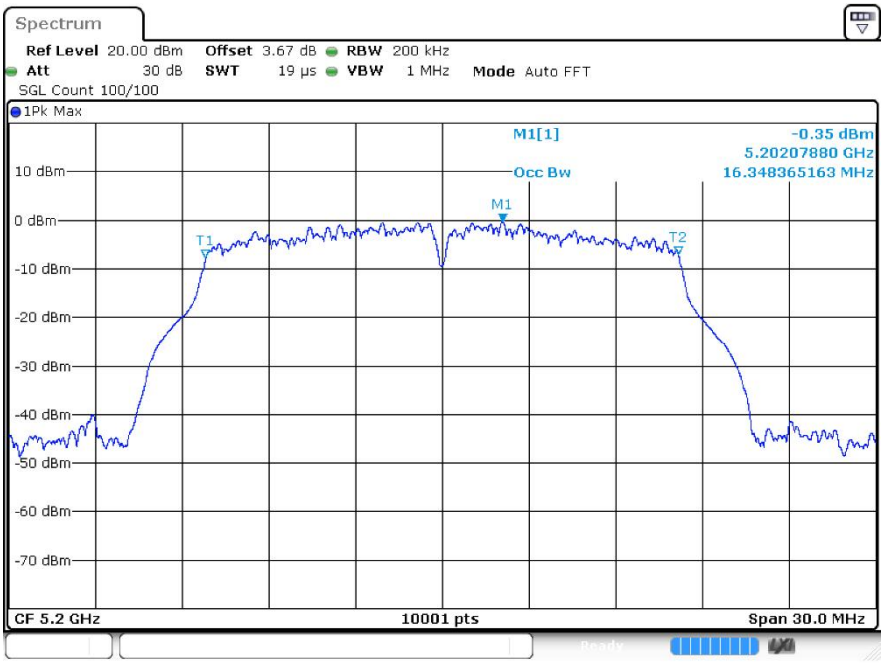
ac40	5310	Ant1	35.9
ac40	5510	Ant1	35.864
ac40	5670	Ant1	36.032
ac80	5210	Ant1	75.232
ac80	5290	Ant1	75.436
ac80	5530	Ant1	75.388
ac80	5610	Ant1	75.52

4.2 Test Graphs

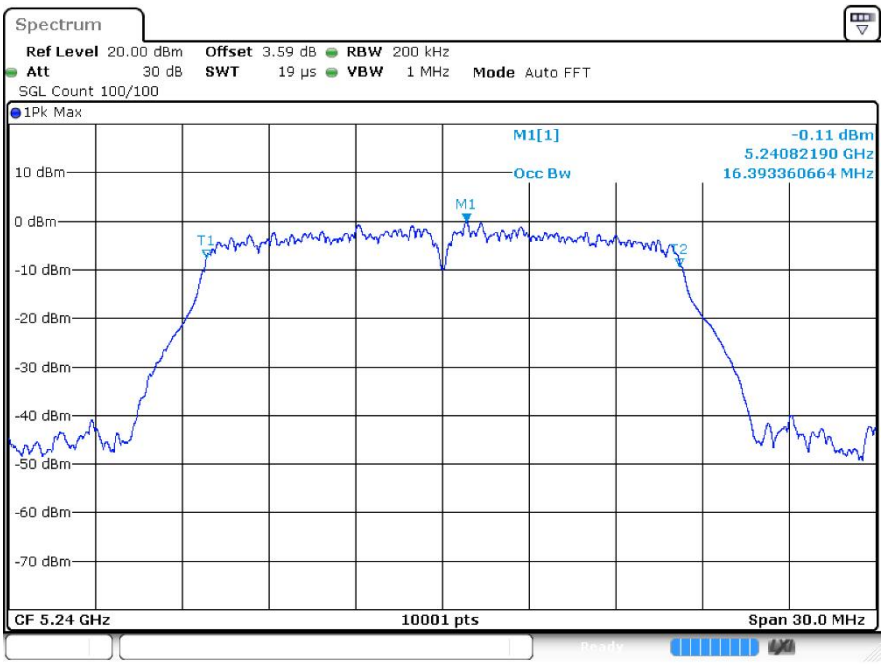
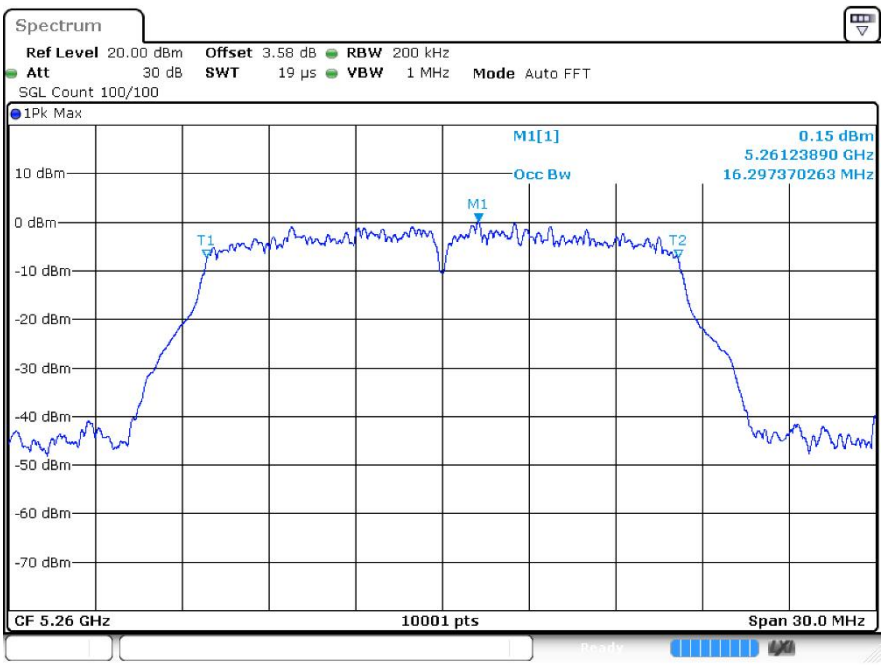
Test Graphs
OBWa 5180MHz Ant1



OBWa 5200MHz Ant1



OBWa 5240MHz Ant1



OBWa 5260MHz Ant1