



Appendix D

RF Test Data for B1WIFI(Conducted Measurement)

Product Name: Mini PC

Trade Mark: Blackview

Test Model: MP100 Pro

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

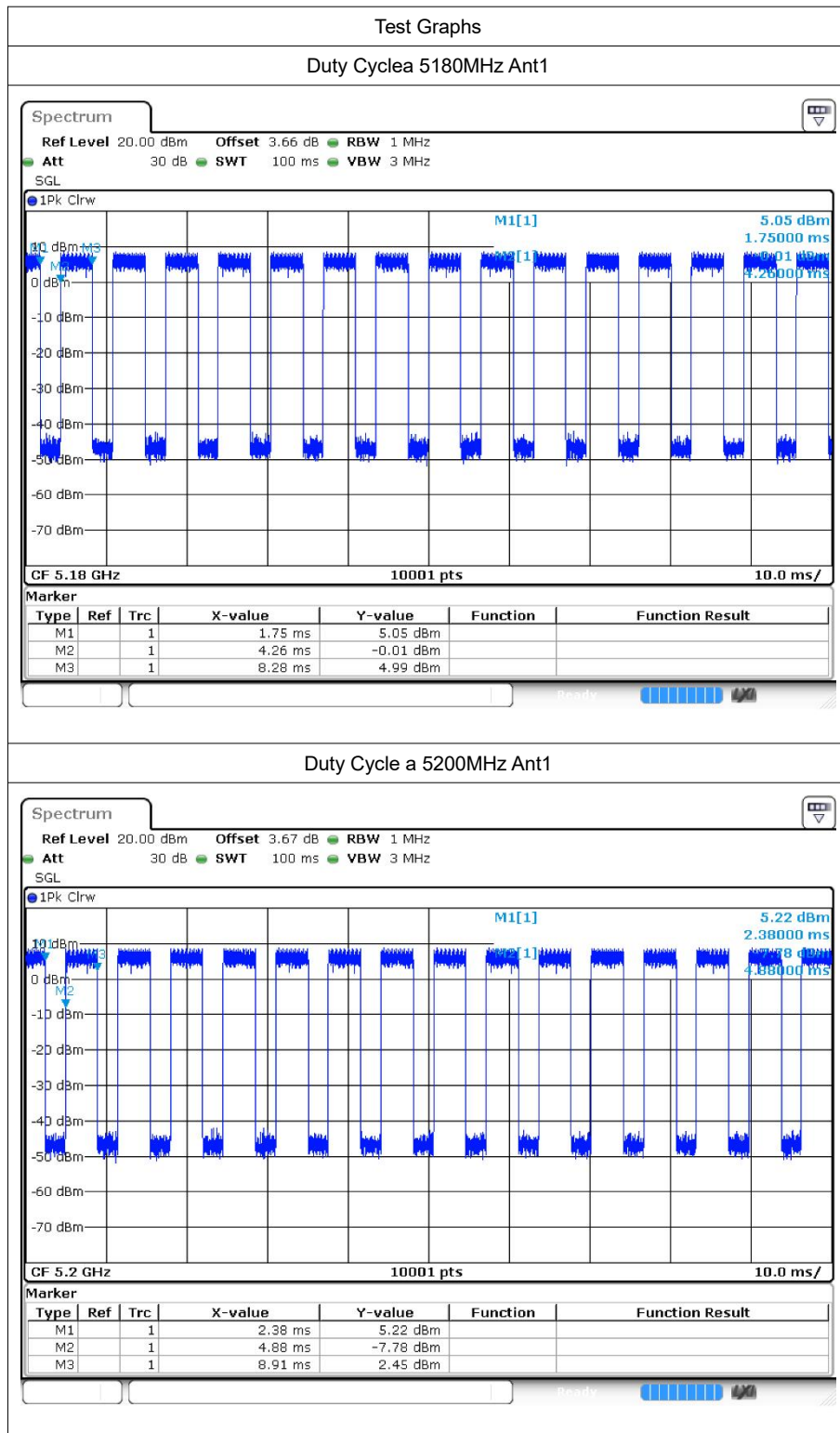
1.1 Test Result

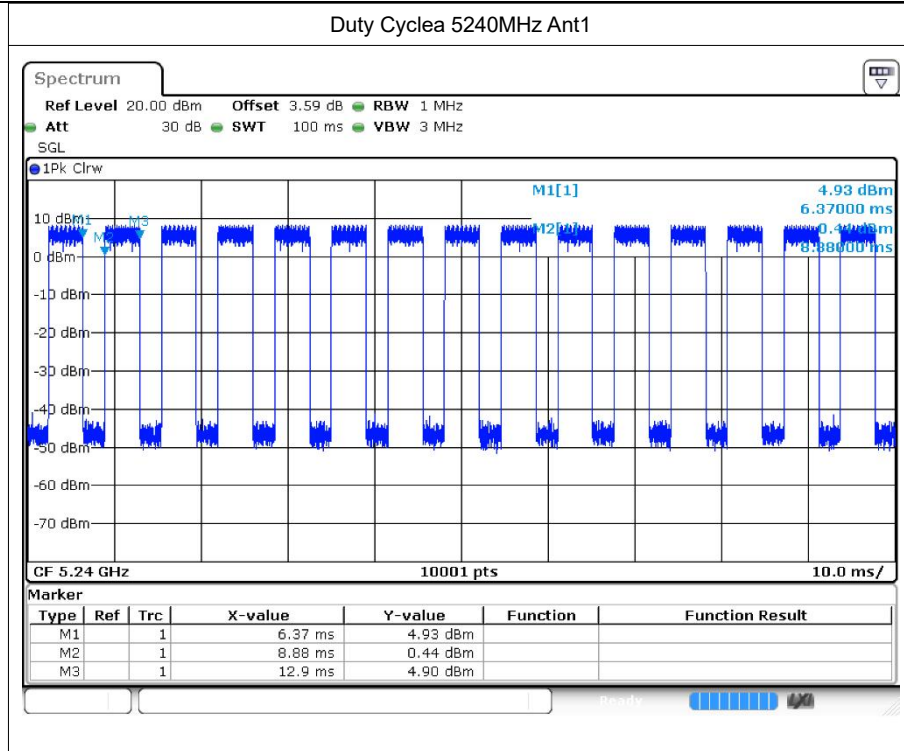
Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
a	5180	Ant1	62.28	2.06	0.25
a	5200	Ant1	62.62	2.03	0.25
a	5240	Ant1	60.52	2.18	0.25
a	5180	Ant2	62.43	2.05	0.25
a	5200	Ant2	62.63	2.03	0.25
a	5240	Ant2	60.77	2.16	0.25
n20	5180	Ant1	65.61	1.83	0.2
n20	5200	Ant1	67.59	1.7	0.2
n20	5240	Ant1	65.4	1.84	0.2
n20	5180	Ant2	66.54	1.77	0.2
n20	5200	Ant2	67.61	1.7	0.2
n20	5240	Ant2	67.31	1.72	0.2
n40	5190	Ant1	60.01	2.22	0.26
n40	5230	Ant1	60.01	2.22	0.26
n40	5190	Ant2	60.97	2.15	0.26
n40	5230	Ant2	61.81	2.09	0.26
ac20	5180	Ant1	65.54	1.83	0.2
ac20	5200	Ant1	67.6	1.7	0.2
ac20	5240	Ant1	67.6	1.7	0.2
ac20	5180	Ant2	67.6	1.7	0.2
ac20	5200	Ant2	67.56	1.7	0.2
ac20	5240	Ant2	66.92	1.74	0.2
ac40	5190	Ant1	62.13	2.07	0.26
ac40	5230	Ant1	60	2.22	0.26
ac40	5190	Ant2	60.14	2.21	0.26
ac40	5230	Ant2	62.44	2.05	0.26
ac80	5210	Ant1	52.5	2.8	0.36
ac80	5210	Ant2	52.5	2.8	0.36
ax20	5180	Ant1	64.74	1.89	0.22
ax20	5200	Ant1	65.11	1.86	0.22
ax20	5240	Ant1	65.1	1.86	0.22
ax20	5180	Ant2	62.71	2.03	0.22
ax20	5200	Ant2	62.66	2.03	0.22
ax20	5240	Ant2	64.06	1.93	0.23
ax40	5190	Ant1	59.84	2.23	0.28
ax40	5230	Ant1	59.59	2.25	0.28
ax40	5190	Ant2	58.41	2.33	0.28



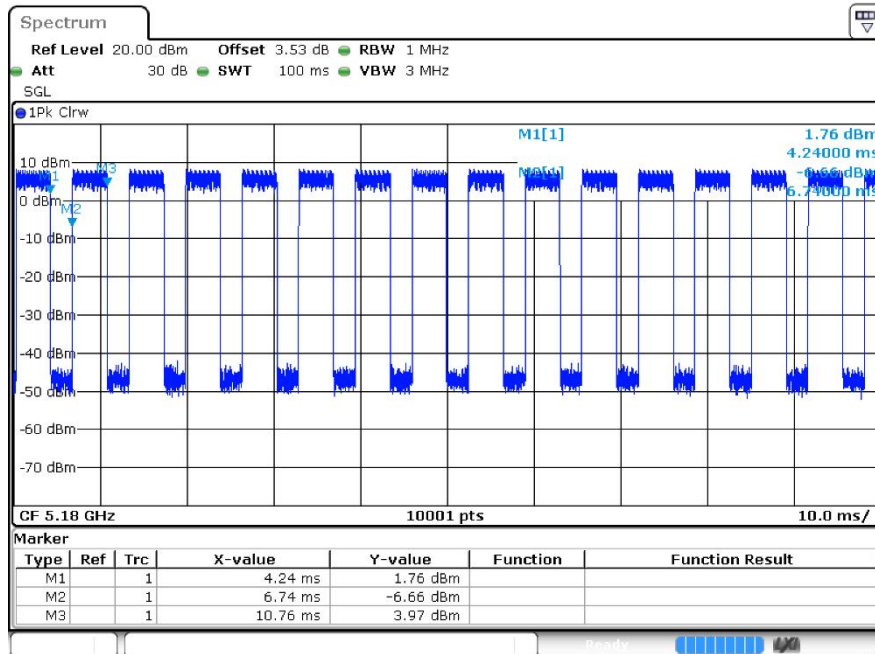
ax40	5230	Ant2	60.13	2.21	0.28
ax80	5210	Ant1	52.19	2.82	0.37
ax80	5210	Ant2	52.16	2.83	0.37

1.2 Test Graphs

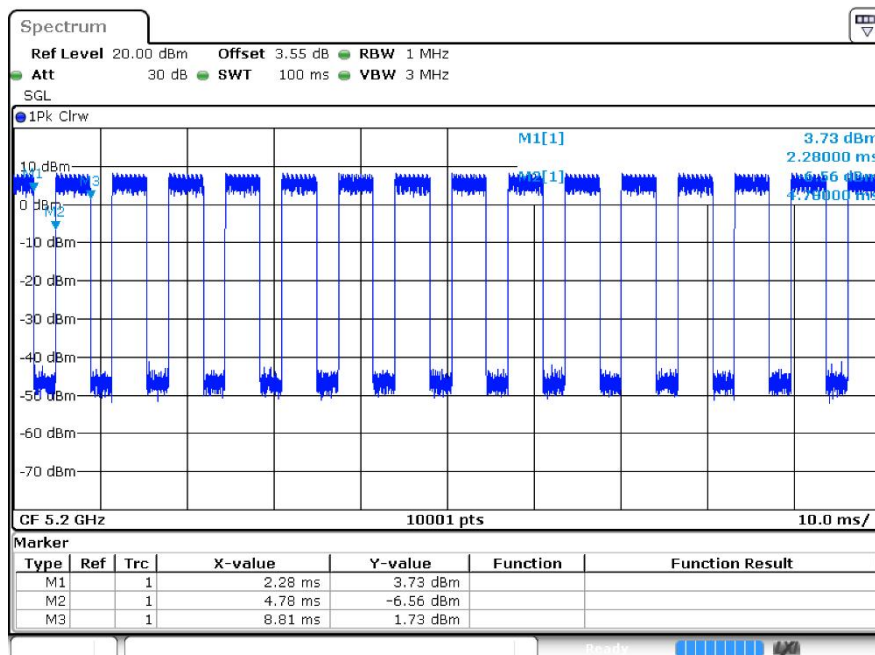


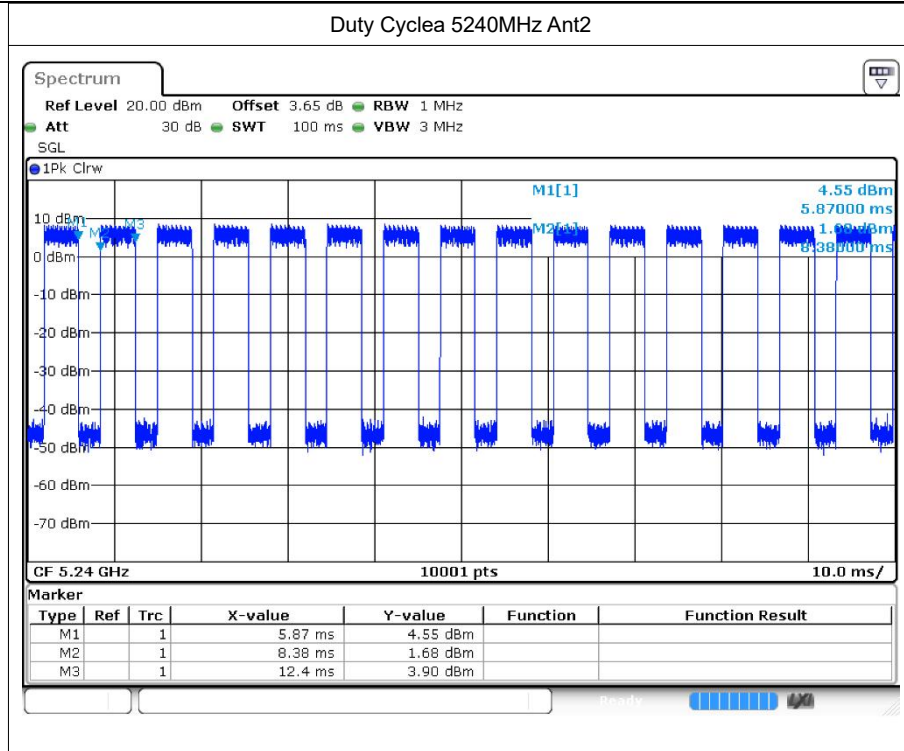


Duty Cyclea 5180MHz Ant2

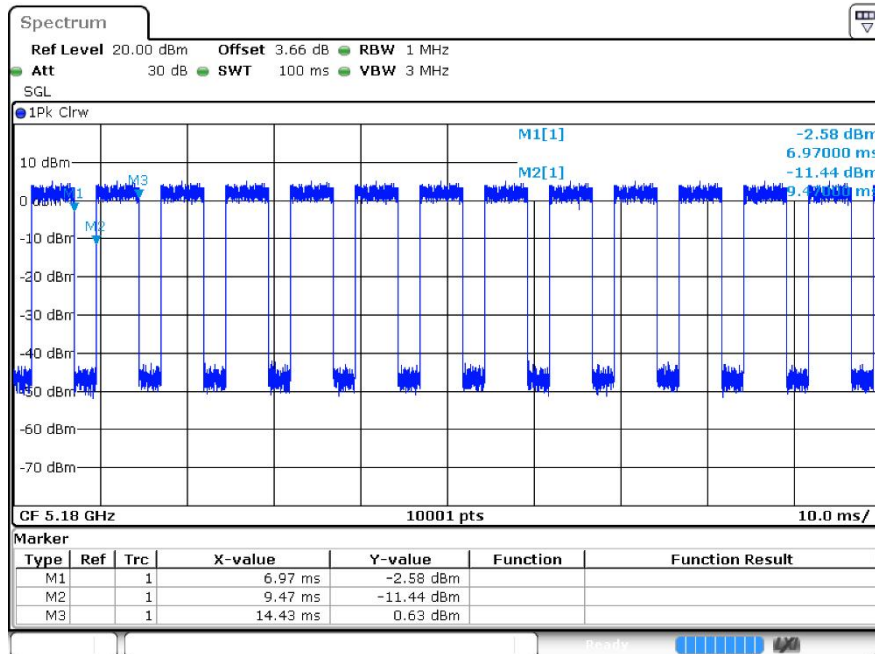


Duty Cycle a 5200MHz Ant2

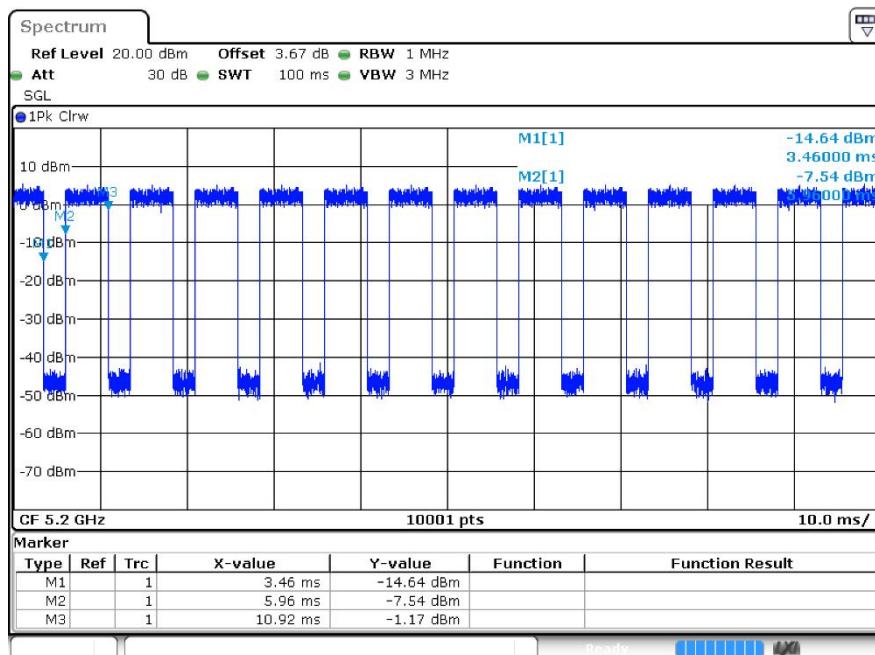


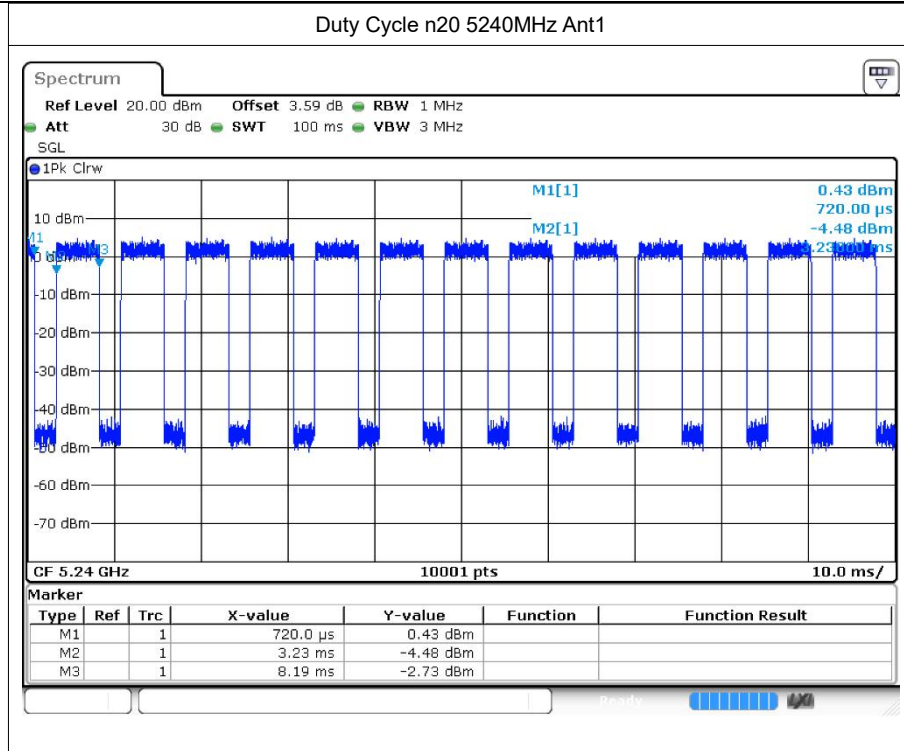


Duty Cycle n20 5180MHz Ant1

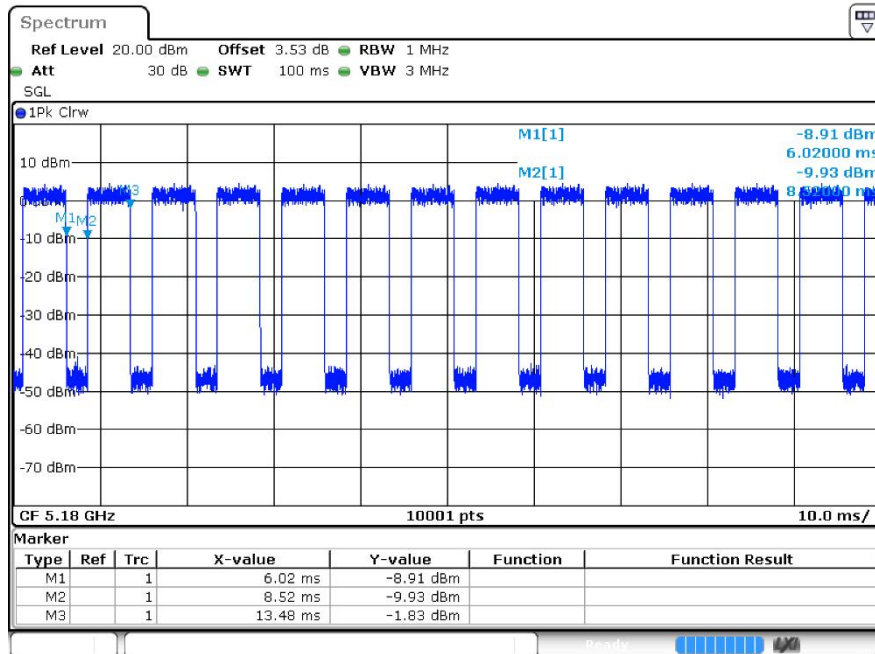


Duty Cycle n20 5200MHz Ant1

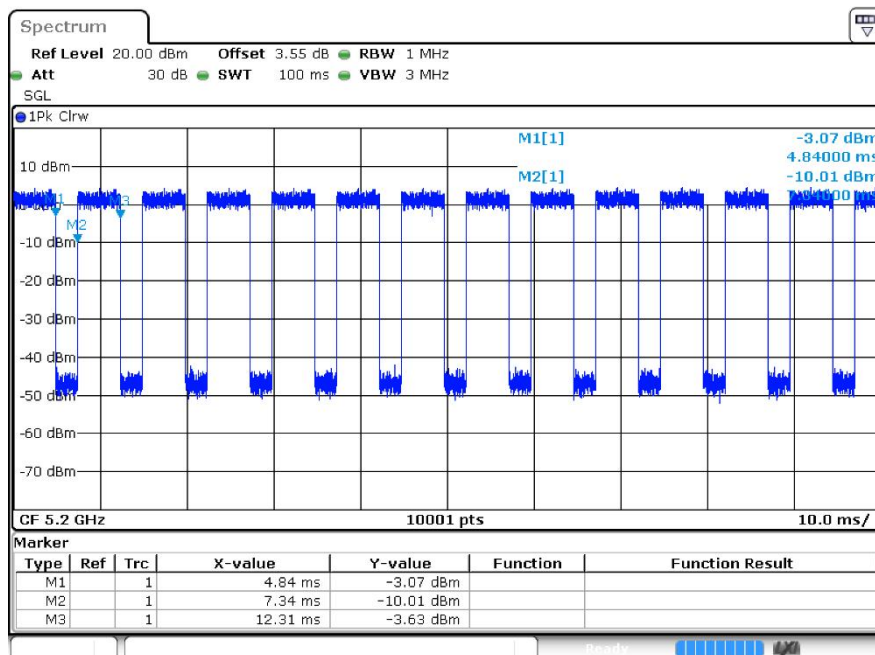


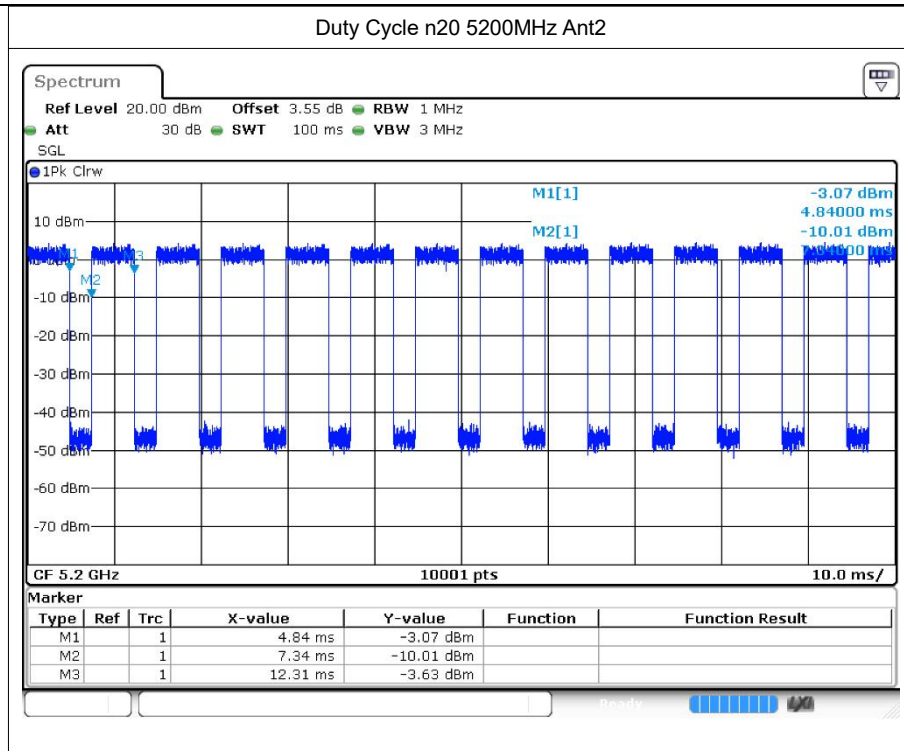


Duty Cycle n20 5180MHz Ant2

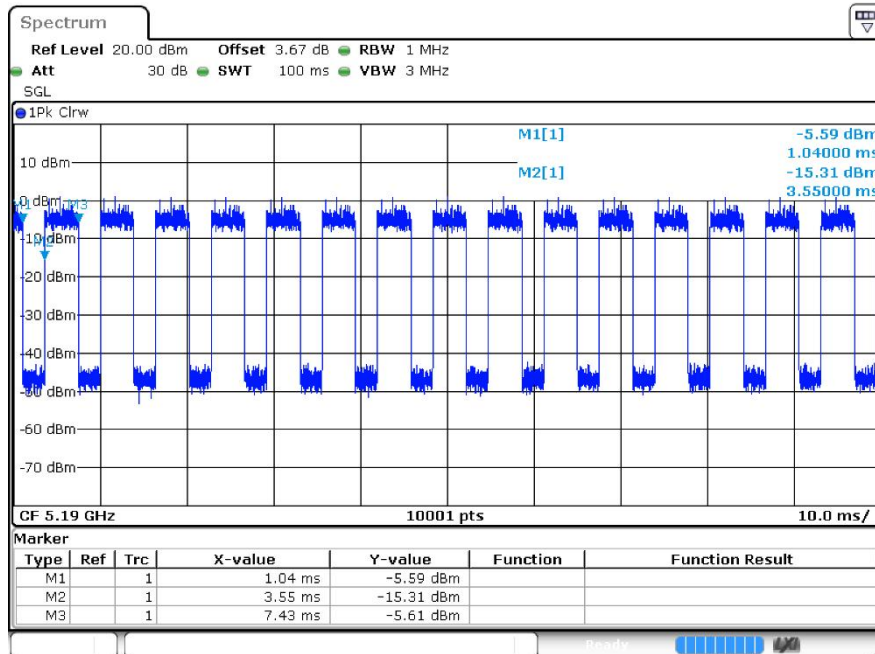


Duty Cycle n20 5200MHz Ant2

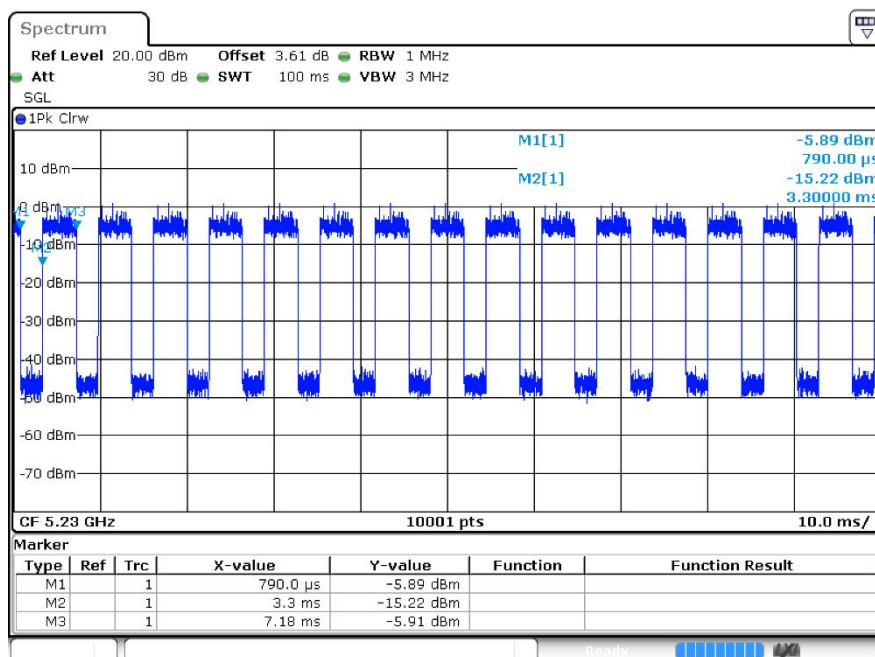




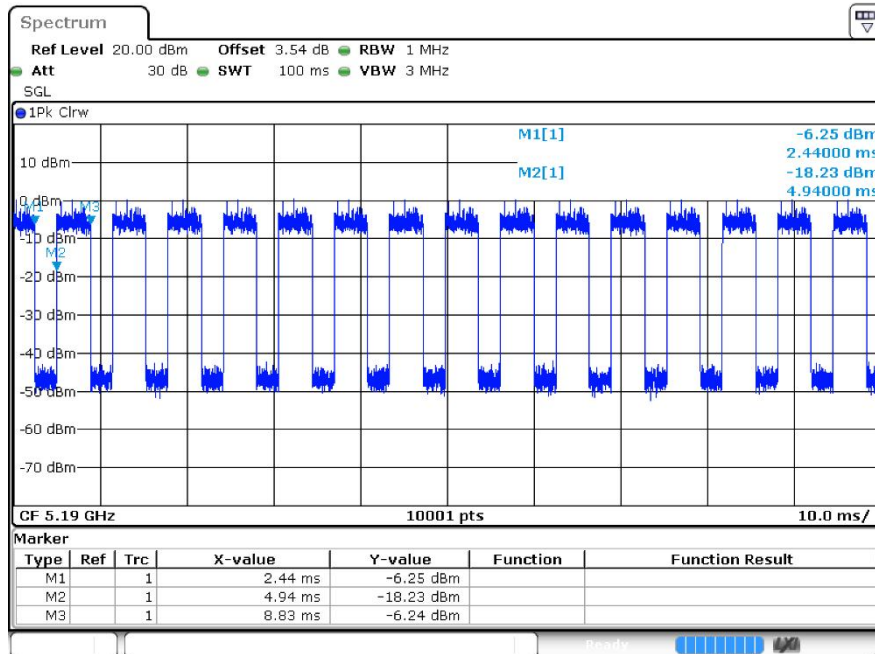
Duty Cyclen40 5190MHz Ant1



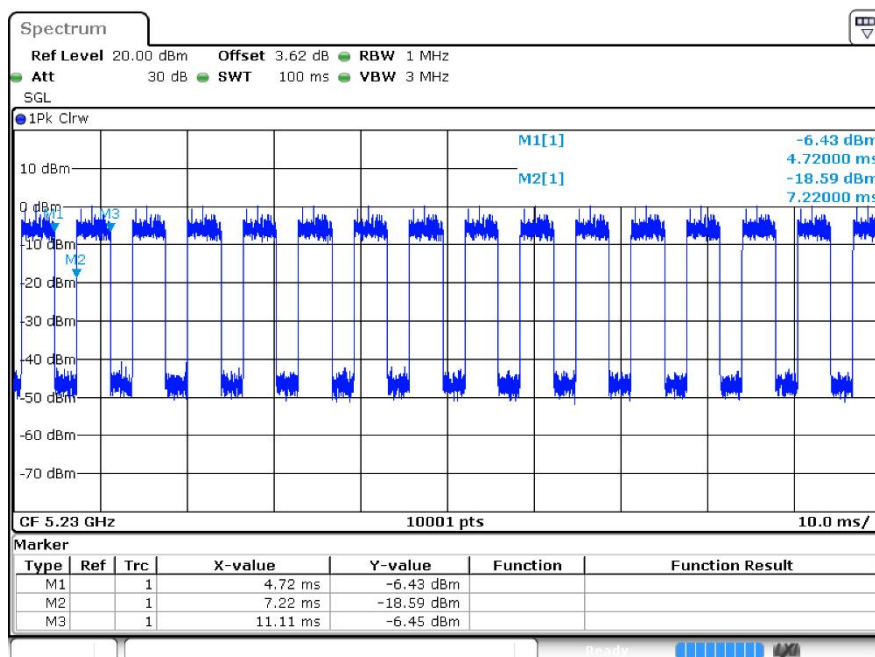
Duty Cyclen40 5230MHz Ant1



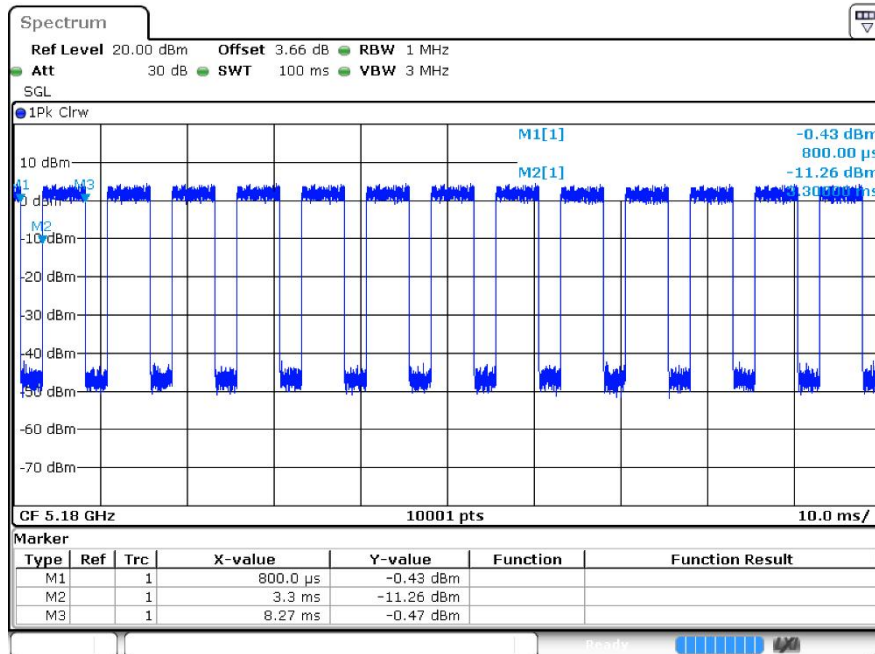
Duty Cyclen40 5190MHz Ant2



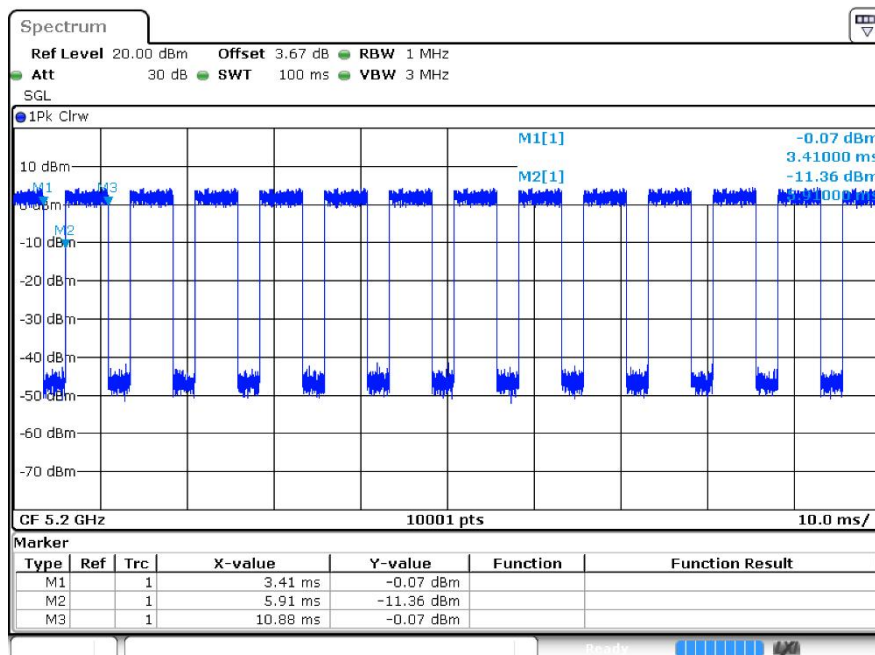
Duty Cyclen40 5230MHz Ant2

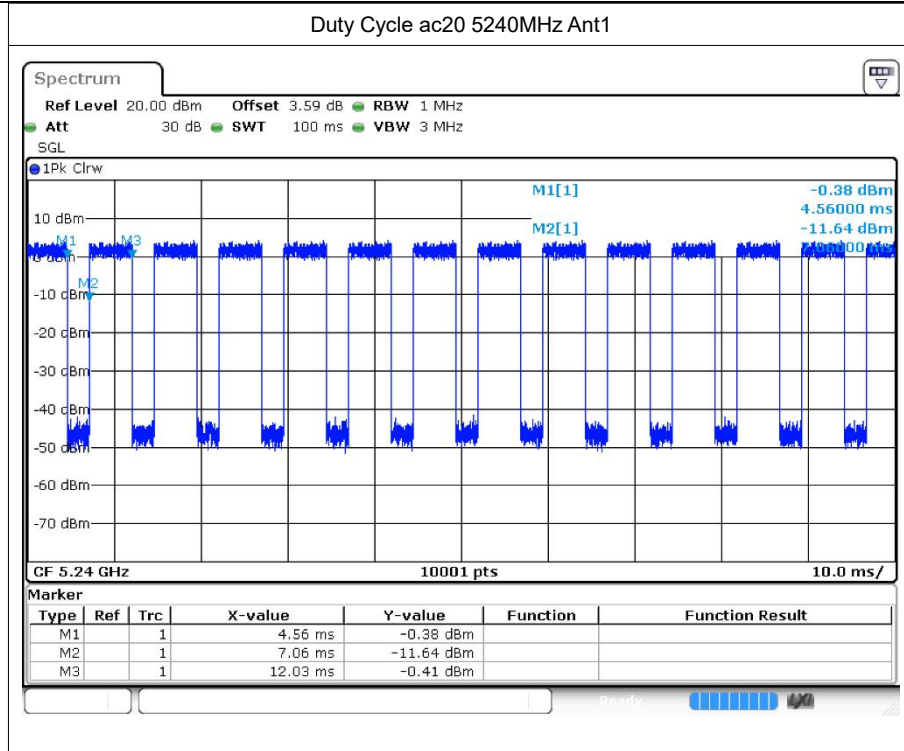


Duty Cycle ac20 5180MHz Ant1

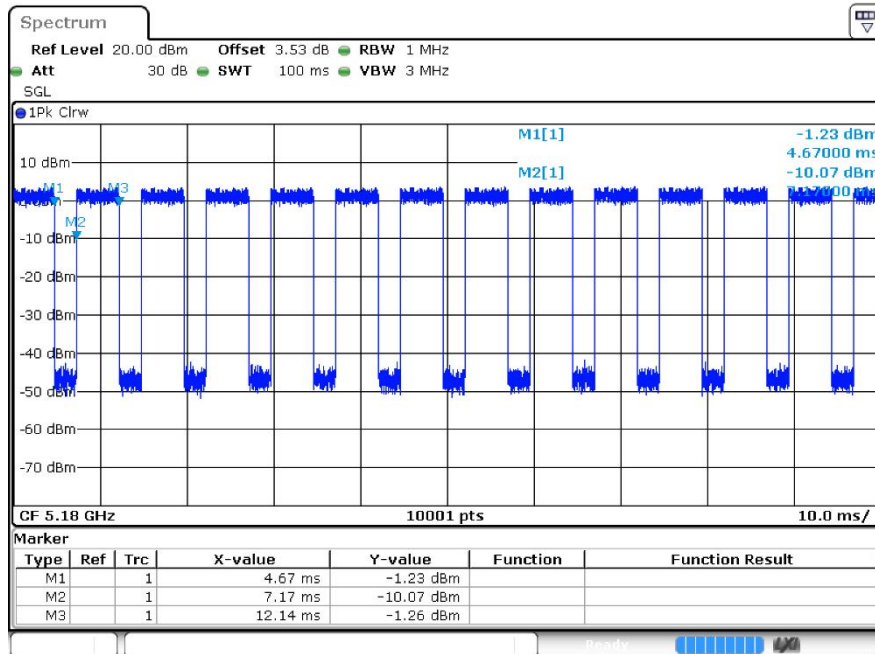


Duty Cycle ac20 5200MHz Ant1

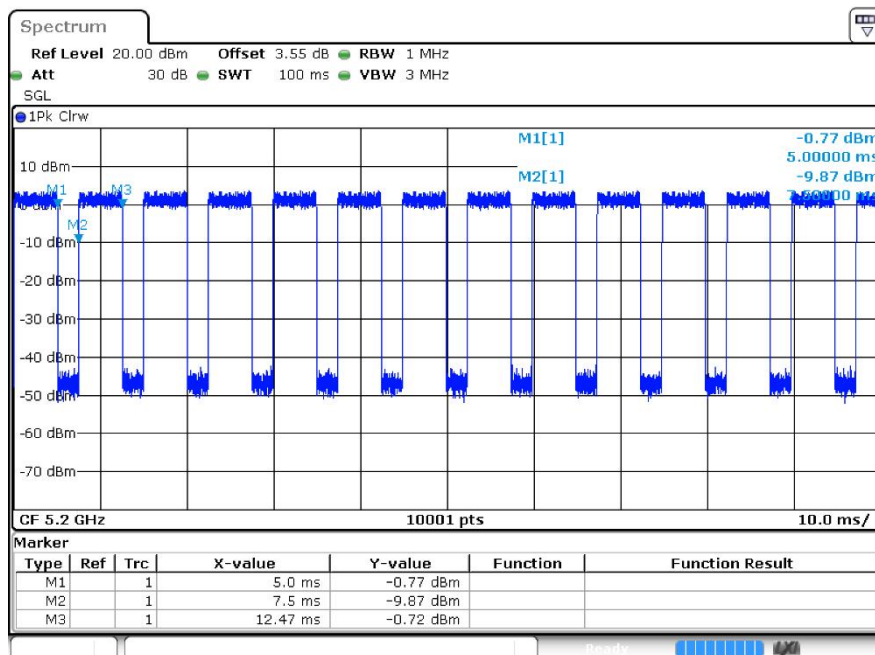


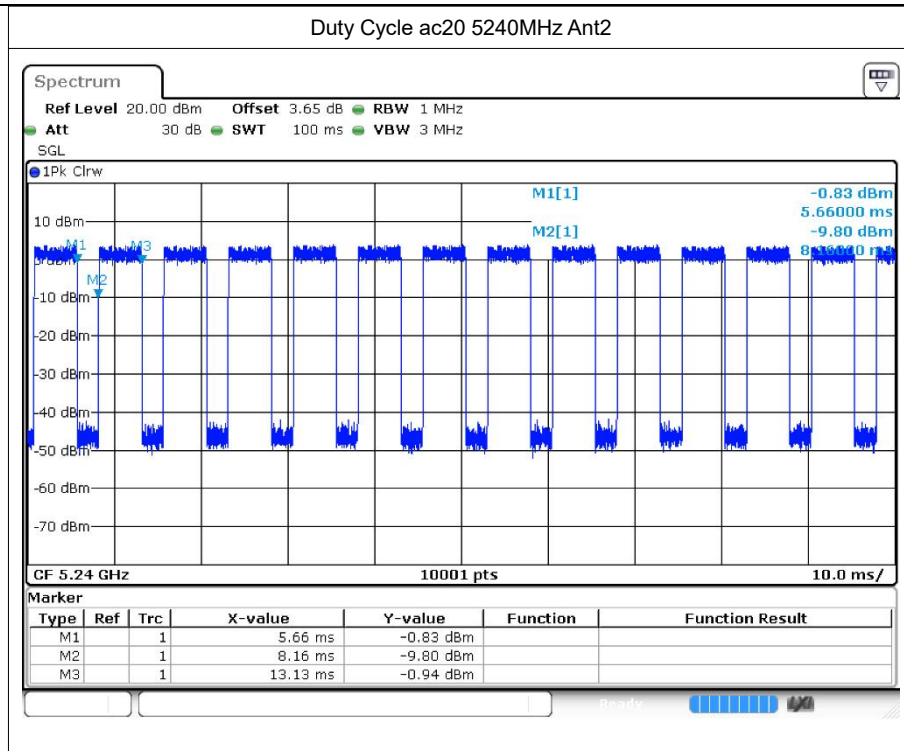


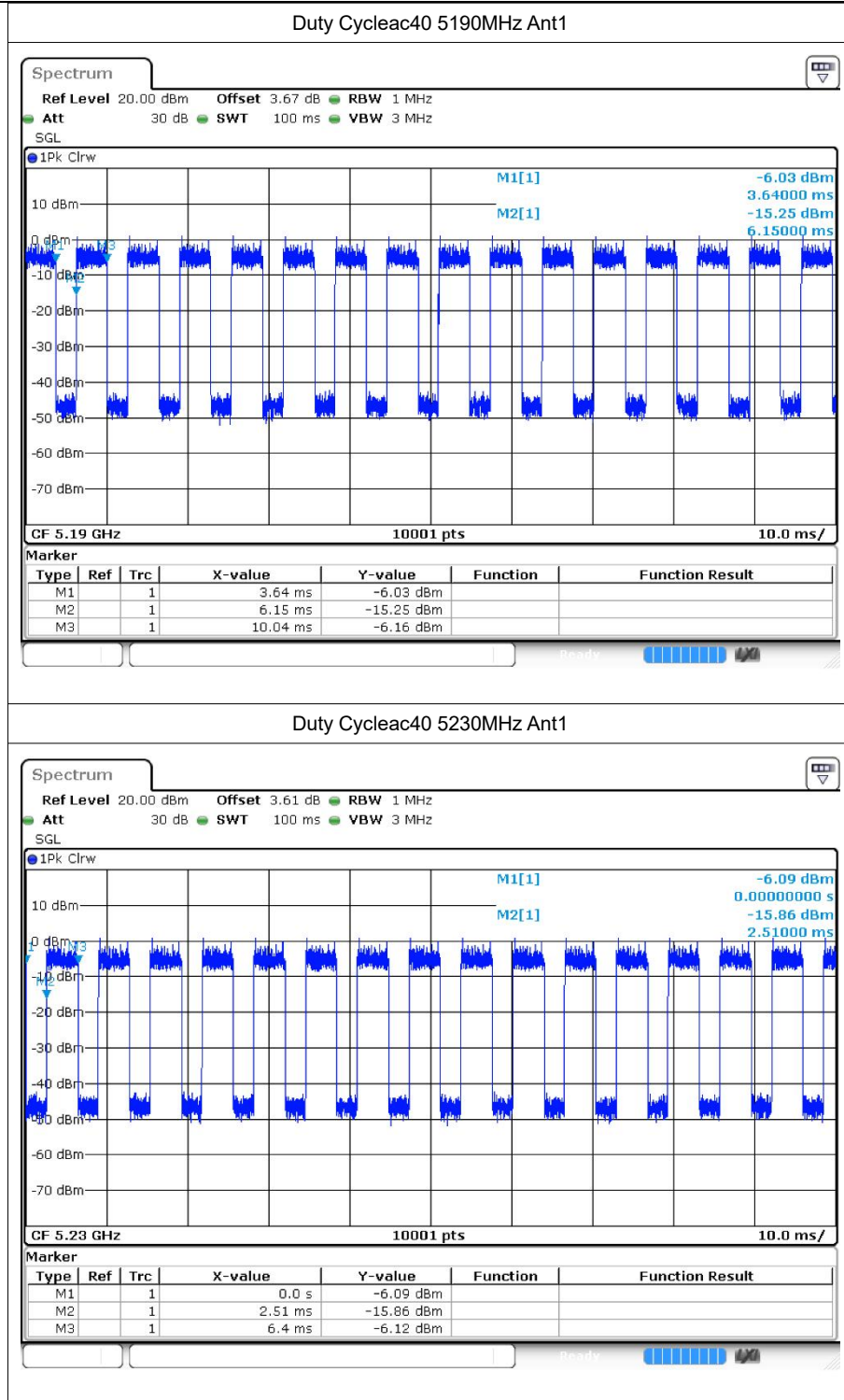
Duty Cycle ac20 5180MHz Ant2

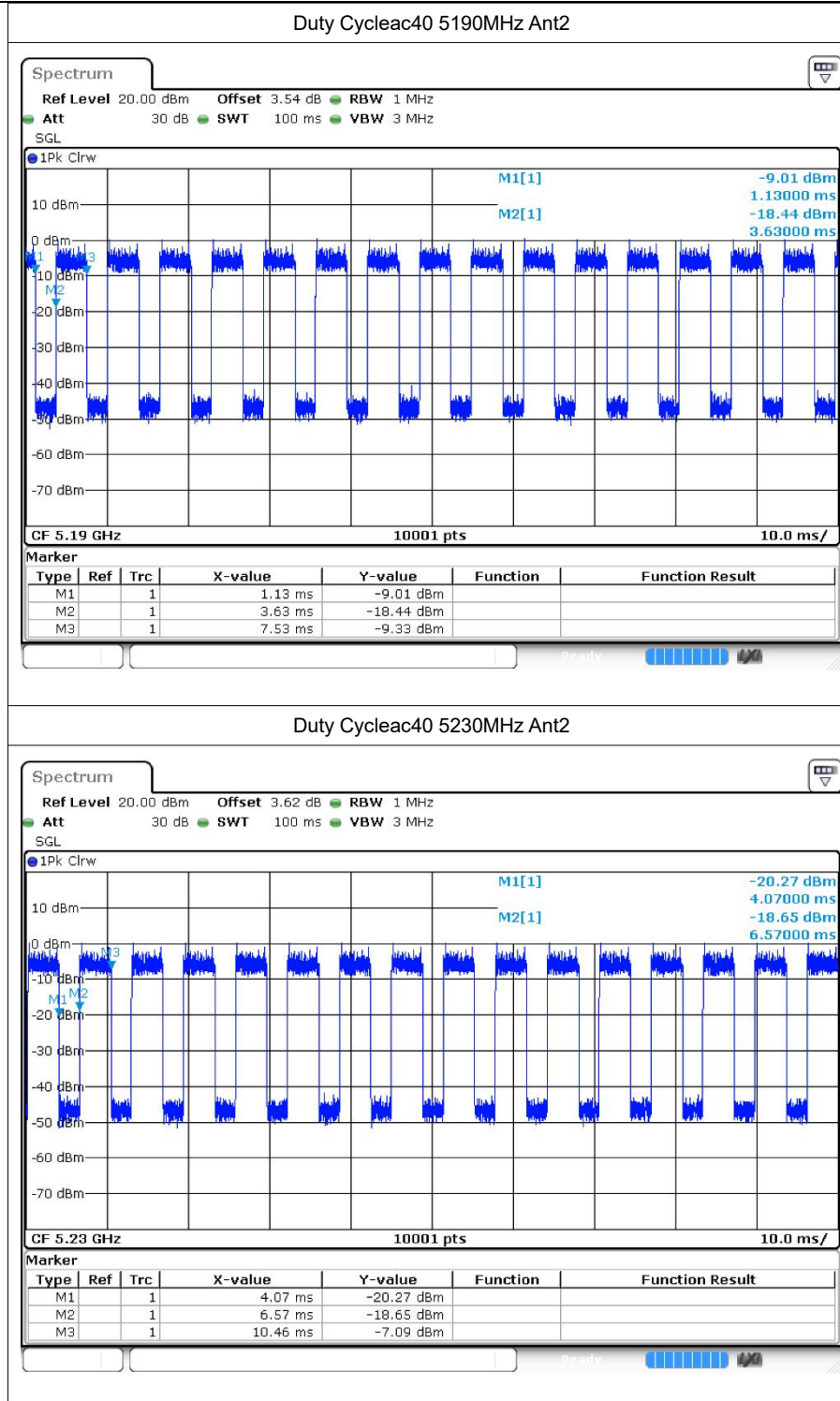


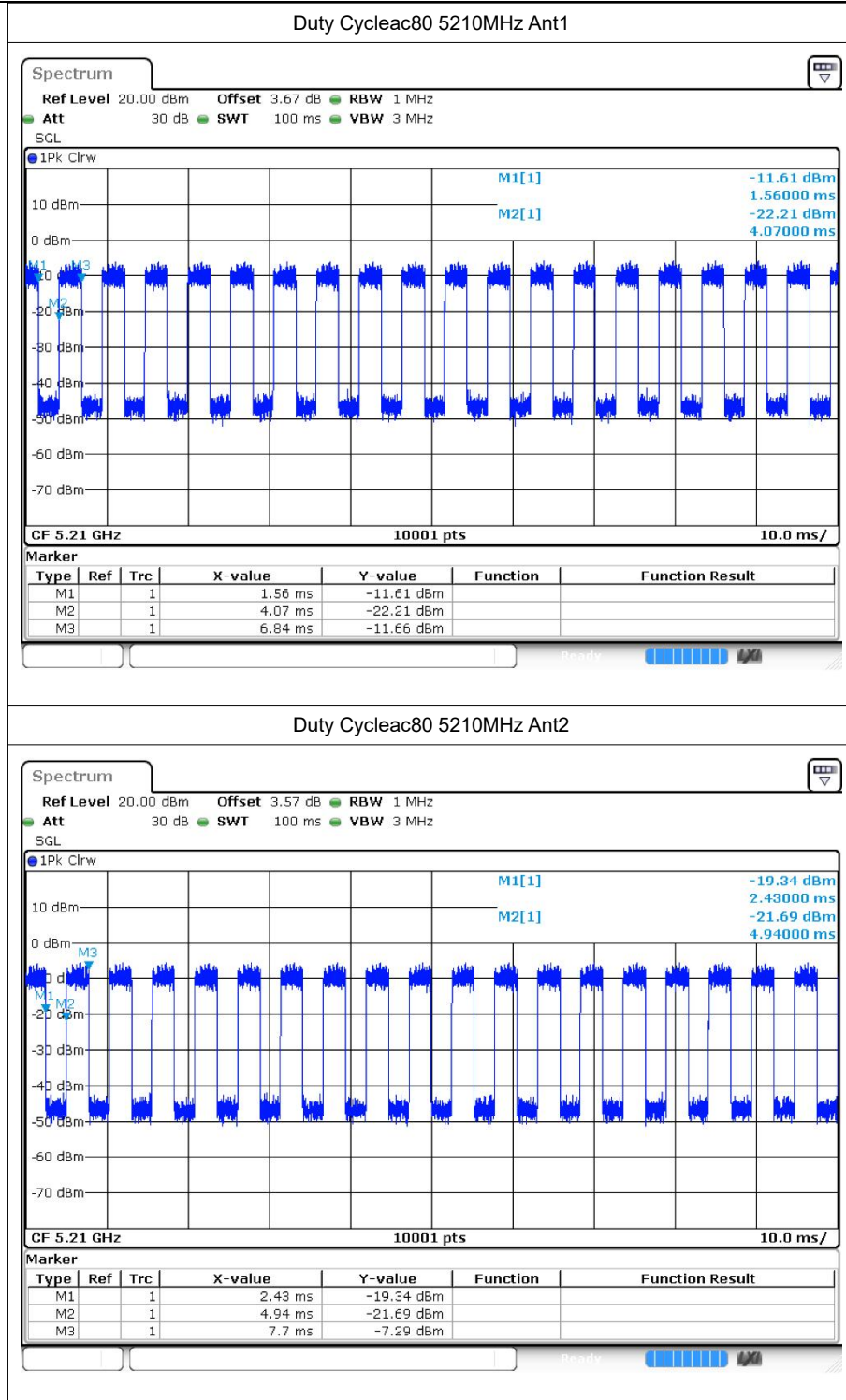
Duty Cycle ac20 5200MHz Ant2



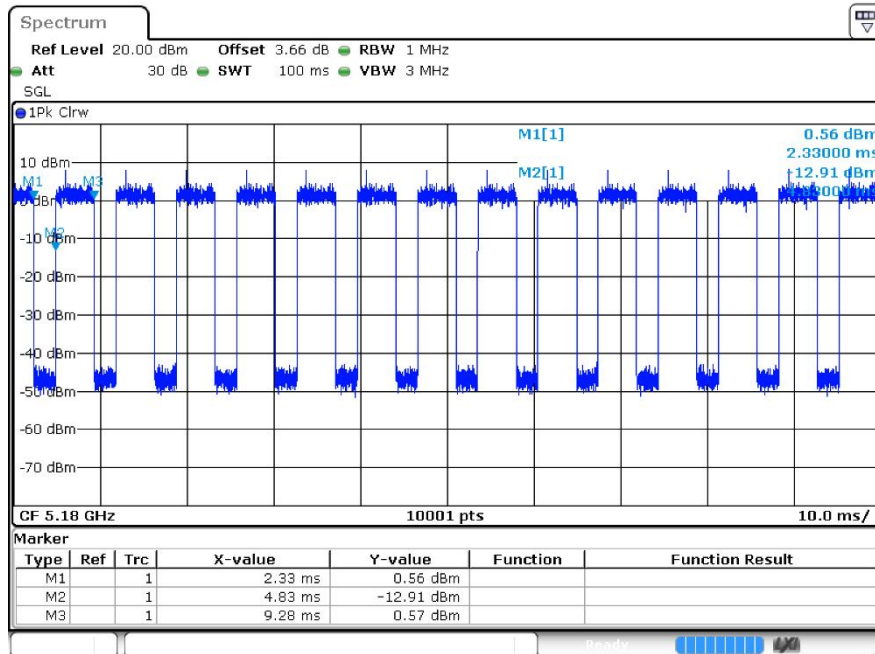




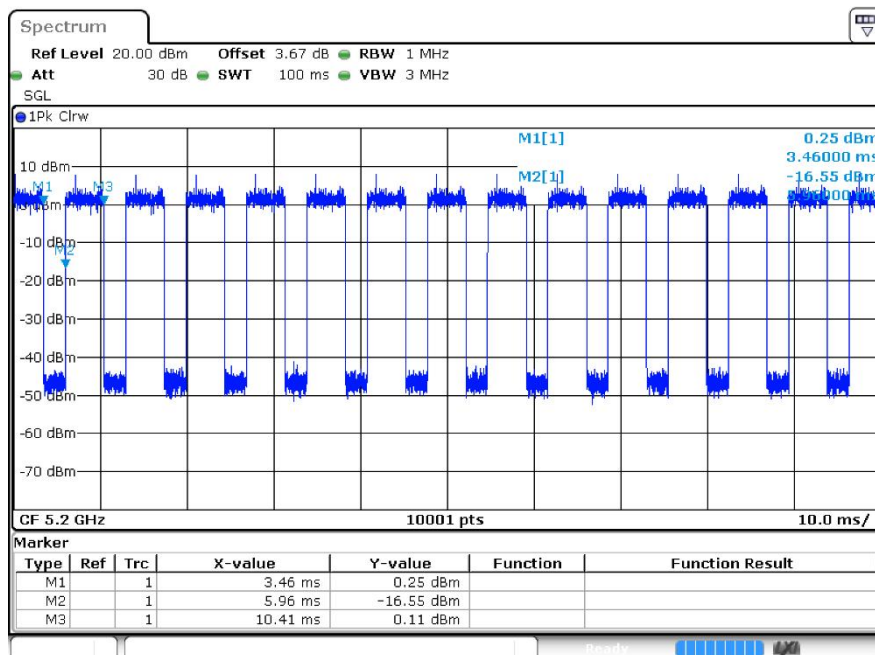


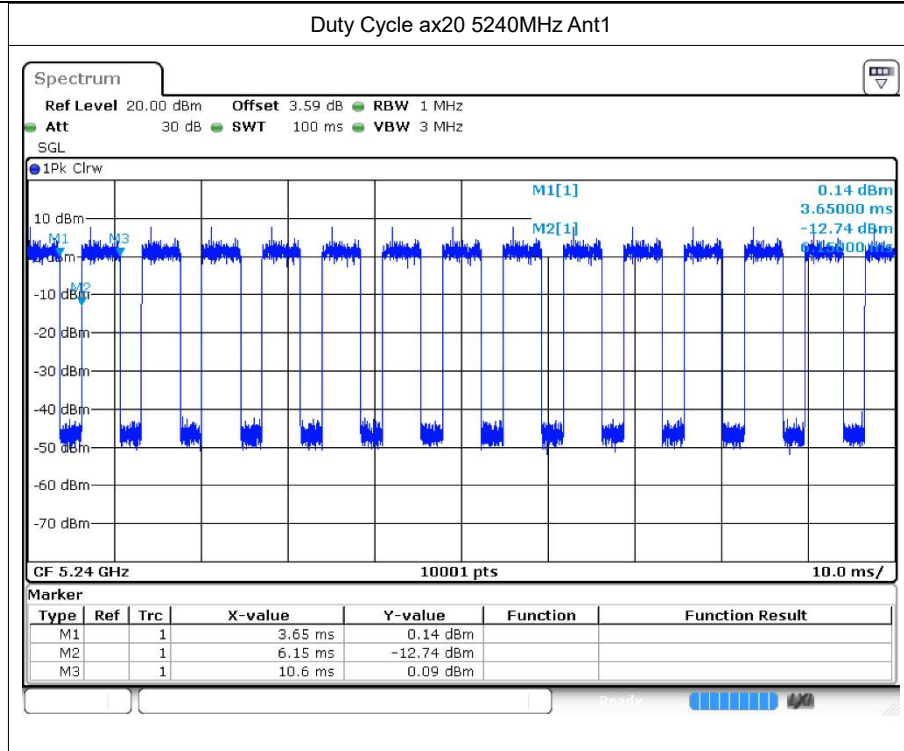


Duty Cycle ax20 5180MHz Ant1

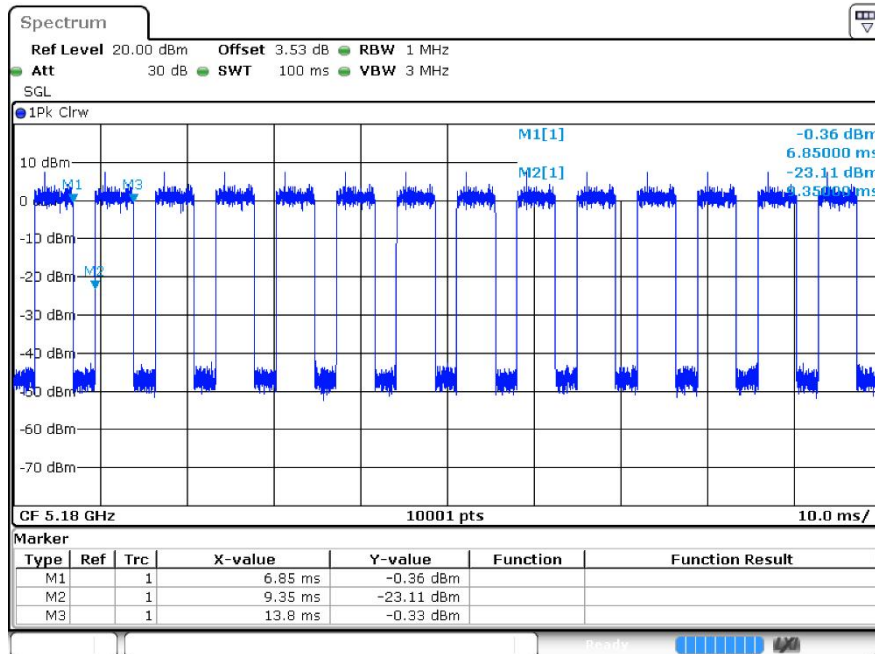


Duty Cycle ax20 5200MHz Ant1

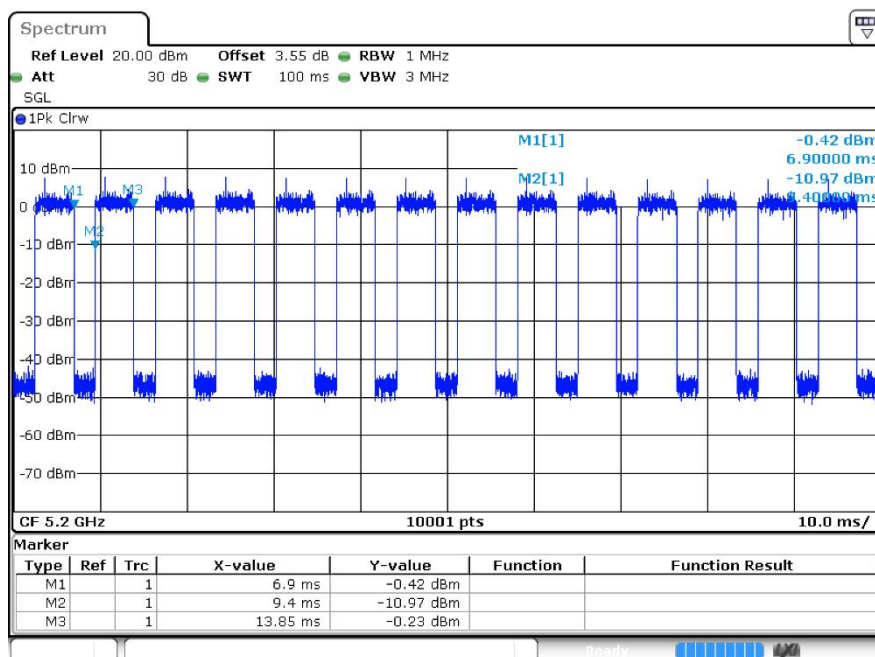


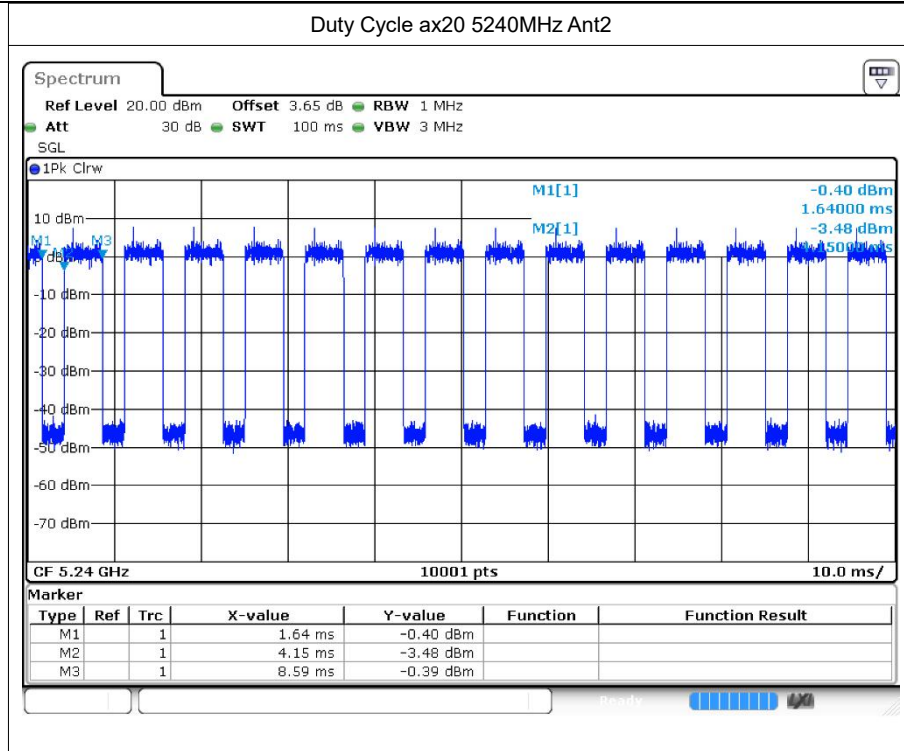


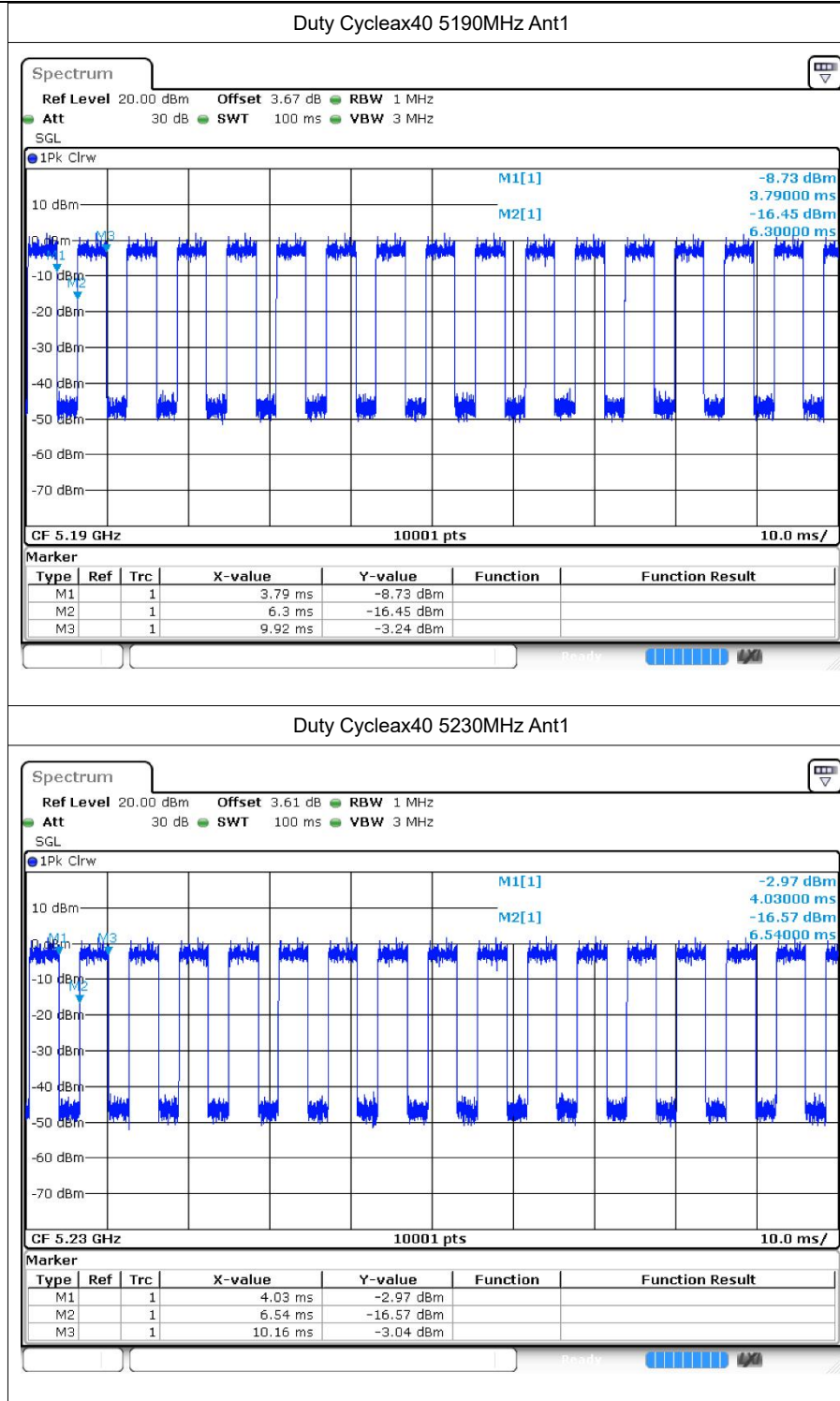
Duty Cycle ax20 5180MHz Ant2

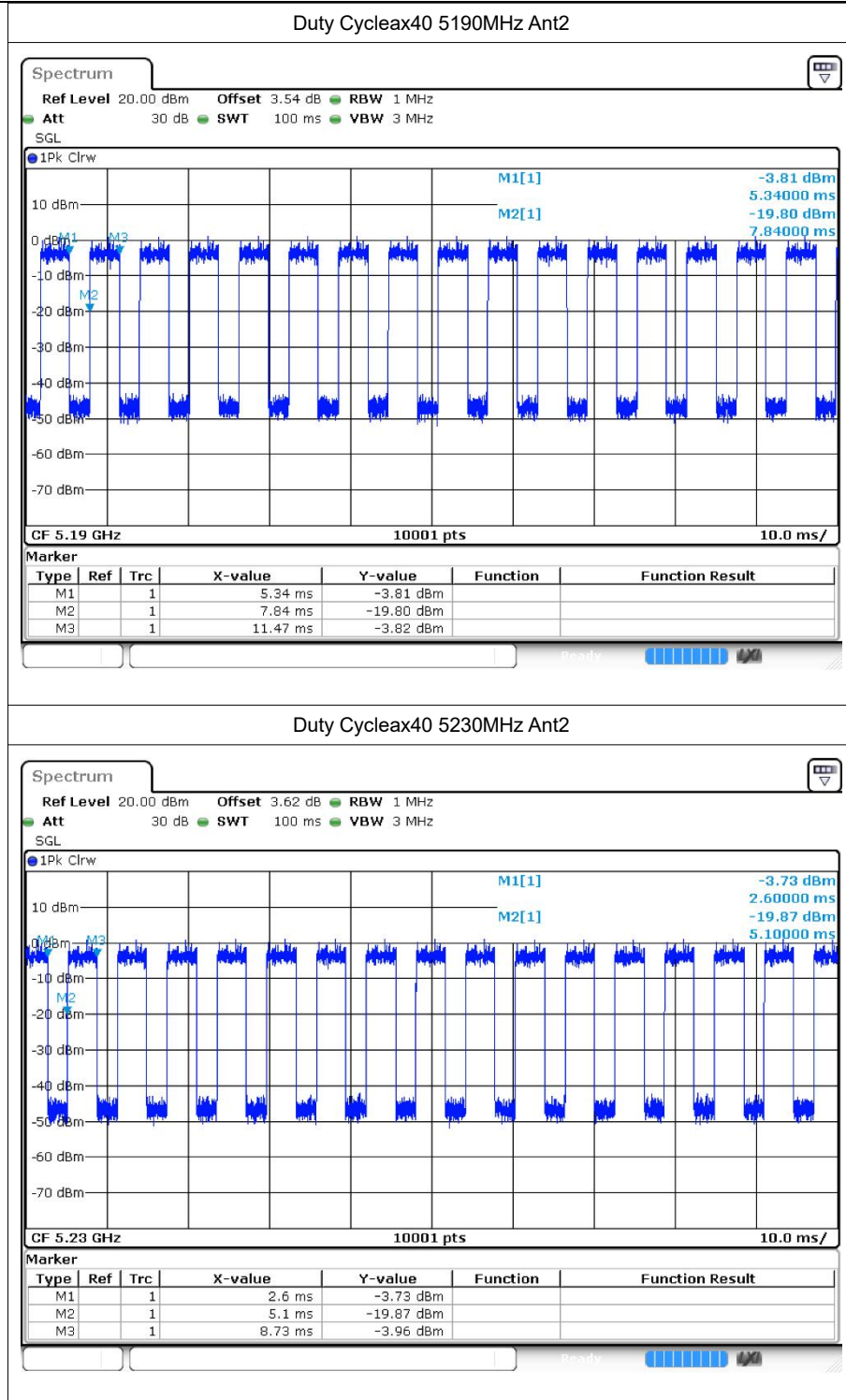


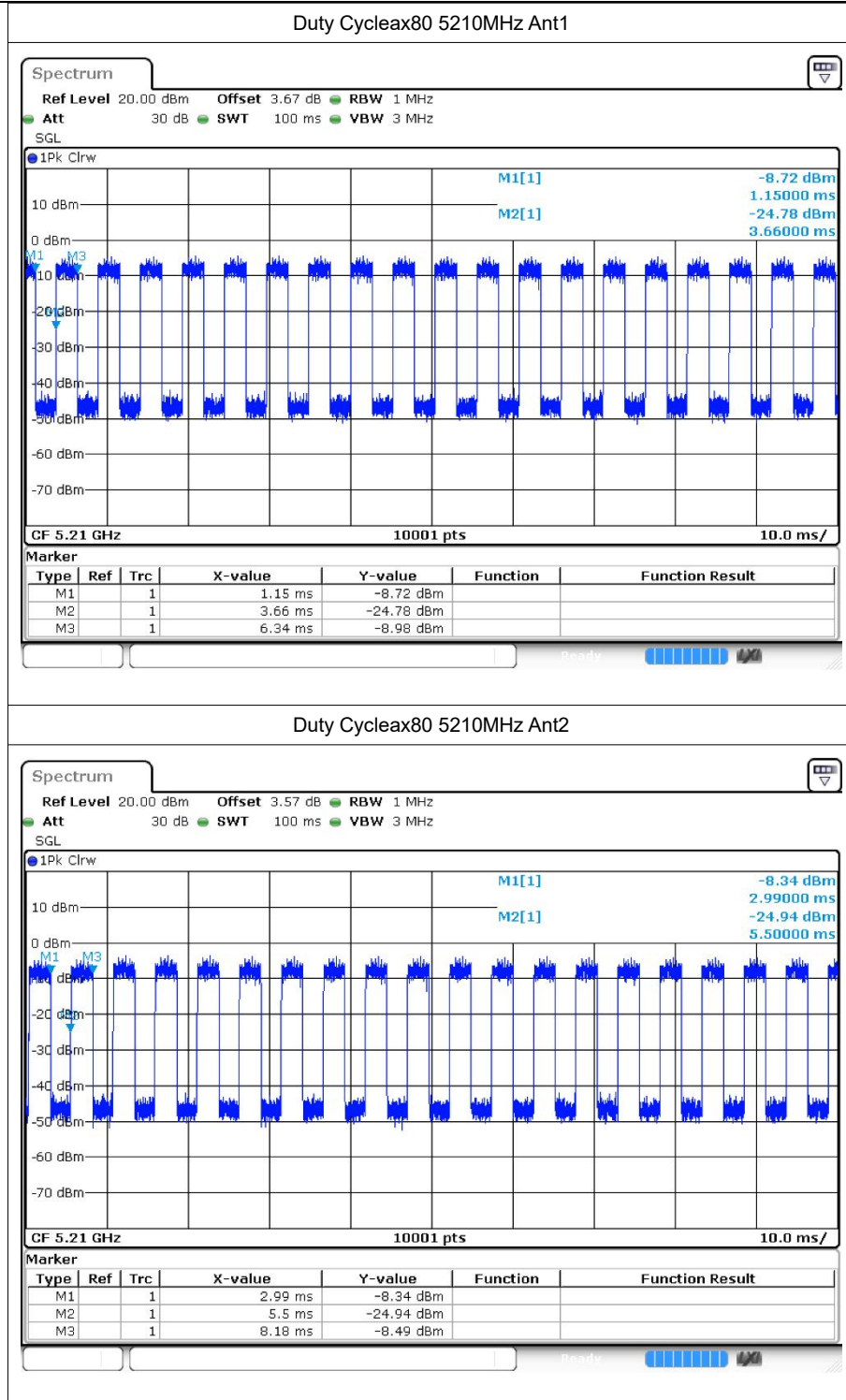
Duty Cycle ax20 5200MHz Ant2











2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	16.35	24	Pass
a	5200	Ant1	16.44	24	Pass
a	5240	Ant1	16.26	24	Pass
a	5180	Ant2	15.72	24	Pass
a	5200	Ant2	15.7	24	Pass
a	5240	Ant2	15.93	24	Pass
n20	5180	Ant1	12.74	24	Pass
n20	5180	Ant2	12.13	24	Pass
n20	5180	Sum	15.52	24	Pass
n20	5200	Ant1	12.64	24	Pass
n20	5200	Ant2	12.14	24	Pass
n20	5200	Sum	15.44	24	Pass
n20	5240	Ant1	12.41	24	Pass
n20	5240	Ant2	12.3	24	Pass
n20	5240	Sum	15.4	24	Pass
n40	5190	Ant1	12.24	24	Pass
n40	5190	Ant2	11.57	24	Pass
n40	5190	Sum	14.99	24	Pass
n40	5230	Ant1	12.15	24	Pass
n40	5230	Ant2	11.7	24	Pass
n40	5230	Sum	14.87	24	Pass
ac20	5180	Ant1	12.75	24	Pass
ac20	5180	Ant2	12.15	24	Pass
ac20	5180	Sum	15.53	24	Pass
ac20	5200	Ant1	12.6	24	Pass
ac20	5200	Ant2	12.07	24	Pass
ac20	5200	Sum	15.44	24	Pass
ac20	5240	Ant1	12.42	24	Pass
ac20	5240	Ant2	12.27	24	Pass
ac20	5240	Sum	15.37	24	Pass
ac40	5190	Ant1	12.21	24	Pass
ac40	5190	Ant2	11.59	24	Pass
ac40	5190	Sum	14.98	24	Pass
ac40	5230	Ant1	11.99	24	Pass
ac40	5230	Ant2	11.61	24	Pass



ac40	5230	Sum	14.84	24	Pass
ac80	5210	Ant1	11.57	24	Pass
ac80	5210	Ant2	10.96	24	Pass
ac80	5210	Sum	14.31	24	Pass
ax20	5180	Ant1	12.95	24	Pass
ax20	5180	Ant2	12.17	24	Pass
ax20	5180	Sum	15.51	24	Pass
ax20	5200	Ant1	12.92	24	Pass
ax20	5200	Ant2	12.06	24	Pass
ax20	5200	Sum	15.53	24	Pass
ax20	5240	Ant1	12.51	24	Pass
ax20	5240	Ant2	12.38	24	Pass
ax20	5240	Sum	15.61	24	Pass
ax40	5190	Ant1	12.43	24	Pass
ax40	5190	Ant2	11.67	24	Pass
ax40	5190	Sum	15.1	24	Pass
ax40	5230	Ant1	12.22	24	Pass
ax40	5230	Ant2	11.53	24	Pass
ax40	5230	Sum	14.99	24	Pass
ax80	5210	Ant1	11.51	24	Pass
ax80	5210	Ant2	10.88	24	Pass
ax80	5210	Sum	14.41	24	Pass

Note:

The duty factor has been compensated into the result.



3 -26dB Bandwidth

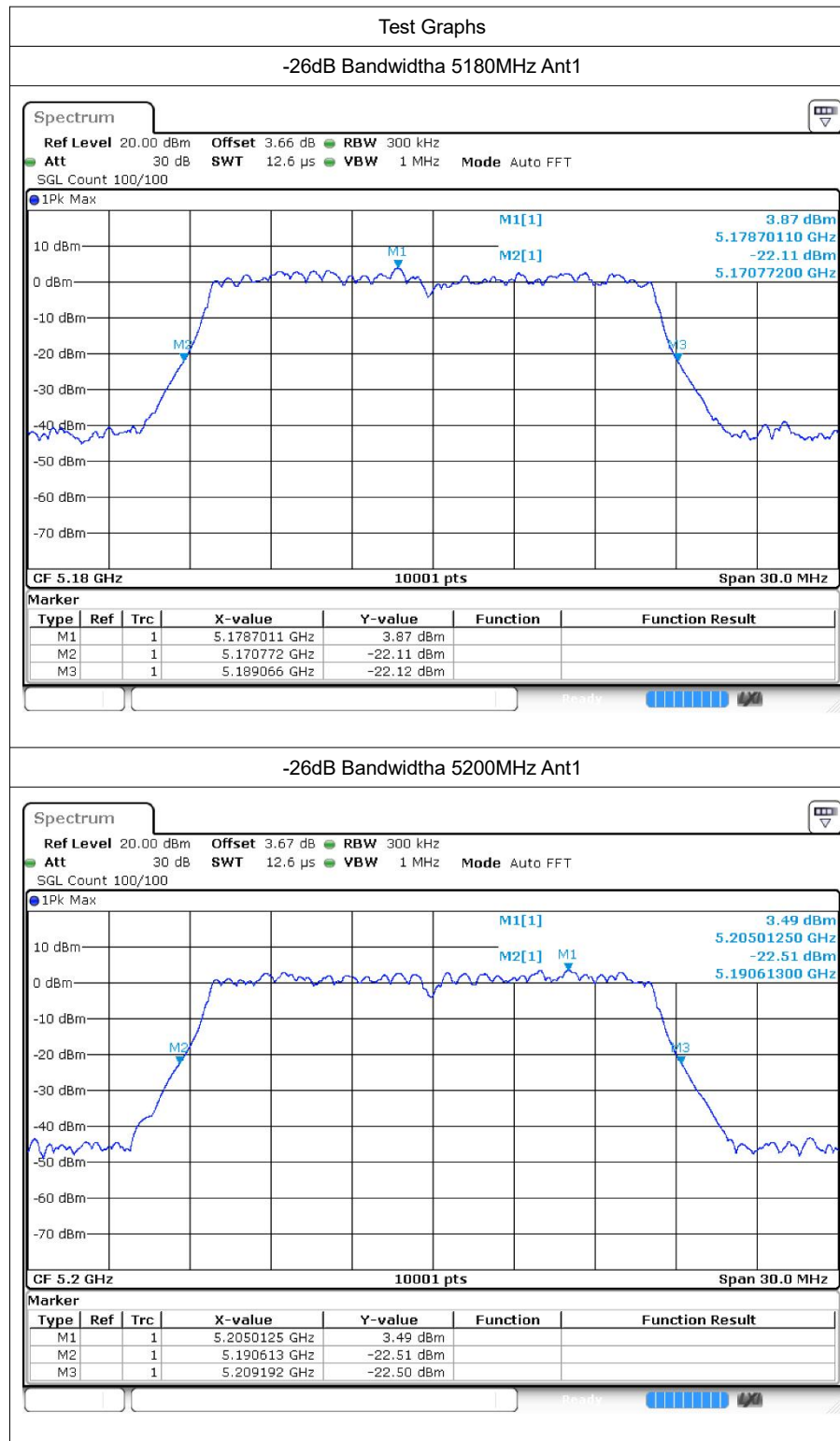
3.1 Test Result

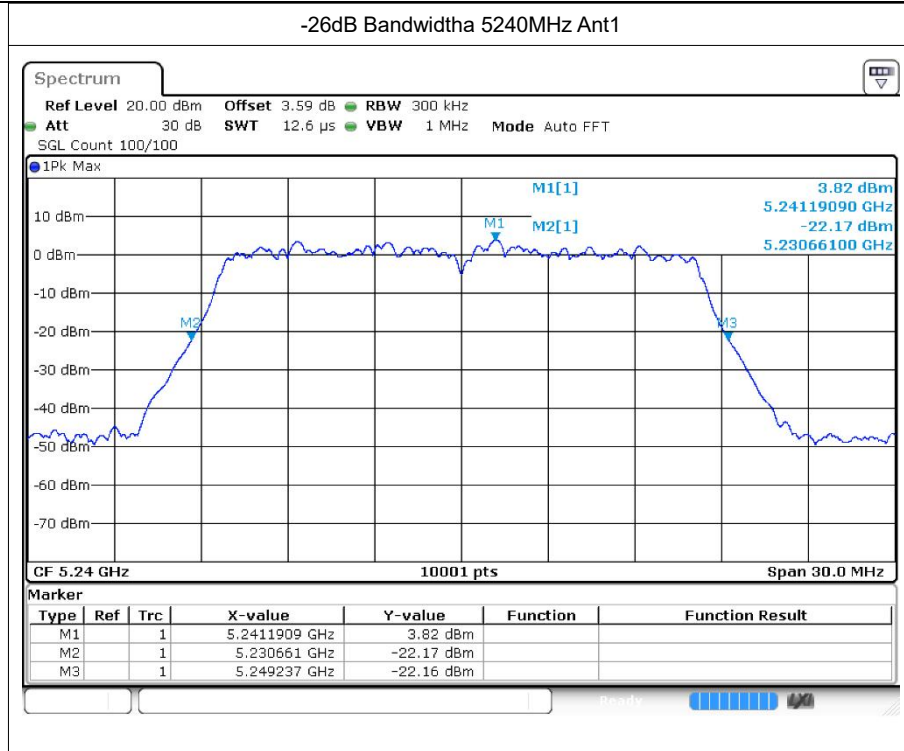
Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
a	5180	Ant1	18.294	0.5	Pass
a	5200	Ant1	18.579	0.5	Pass
a	5240	Ant1	18.576	0.5	Pass
n20	5180	Ant1	19.638	0.5	Pass
n20	5200	Ant1	19.347	0.5	Pass
n20	5240	Ant1	19.368	0.5	Pass
n40	5190	Ant1	38.37	0.5	Pass
n40	5230	Ant1	38.226	0.5	Pass
ac20	5180	Ant1	19.608	0.5	Pass
ac20	5200	Ant1	19.437	0.5	Pass
ac20	5240	Ant1	19.335	0.5	Pass
ac40	5190	Ant1	38.166	0.5	Pass
ac40	5230	Ant1	38.748	0.5	Pass
ac80	5210	Ant1	81.504	0.5	Pass
ax20	5180	Ant1	20.175	0.5	Pass
ax20	5200	Ant1	20.184	0.5	Pass
ax20	5240	Ant1	20.07	0.5	Pass
ax40	5190	Ant1	39.588	0.5	Pass
ax40	5230	Ant1	39.336	0.5	Pass
ax80	5210	Ant1	82.428	0.5	Pass
a	5180	Ant2	18.723	0.5	Pass
a	5200	Ant2	18.675	0.5	Pass
a	5240	Ant2	18.954	0.5	Pass
n20	5180	Ant2	19.563	0.5	Pass
n20	5200	Ant2	19.701	0.5	Pass
n20	5240	Ant2	19.548	0.5	Pass
n40	5190	Ant2	38.058	0.5	Pass
n40	5230	Ant2	38.49	0.5	Pass
ac20	5180	Ant2	19.458	0.5	Pass
ac20	5200	Ant2	19.629	0.5	Pass
ac20	5240	Ant2	19.734	0.5	Pass
ac40	5190	Ant2	38.454	0.5	Pass
ac40	5230	Ant2	38.604	0.5	Pass
ac80	5210	Ant2	82.644	0.5	Pass
ax20	5180	Ant2	19.98	0.5	Pass
ax20	5200	Ant2	20.094	0.5	Pass
ax20	5240	Ant2	20.07	0.5	Pass



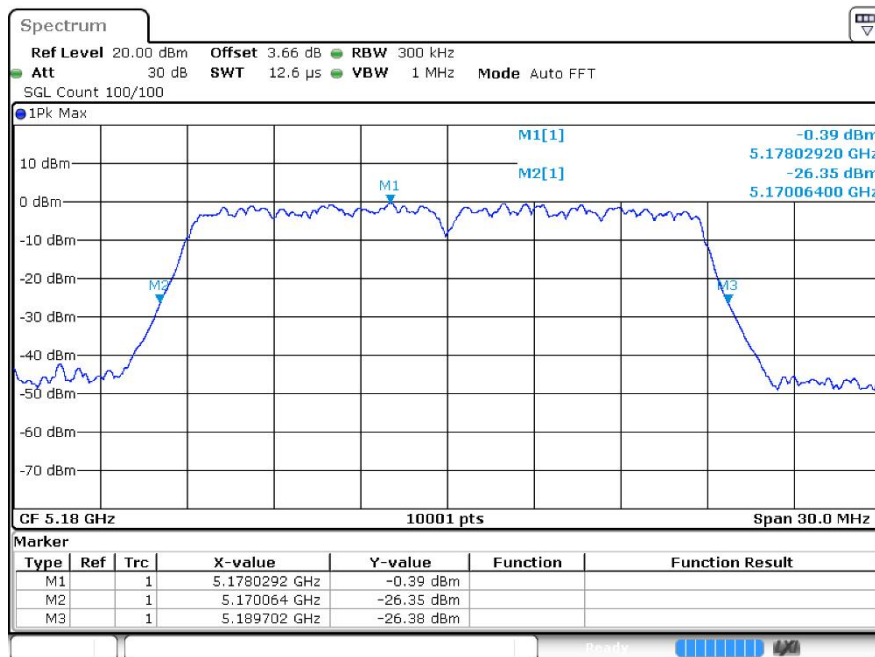
ax40	5190	Ant2	39.27	0.5	Pass
ax40	5230	Ant2	39.504	0.5	Pass
ax80	5210	Ant2	81.144	0.5	Pass

3.2 Test Graphs

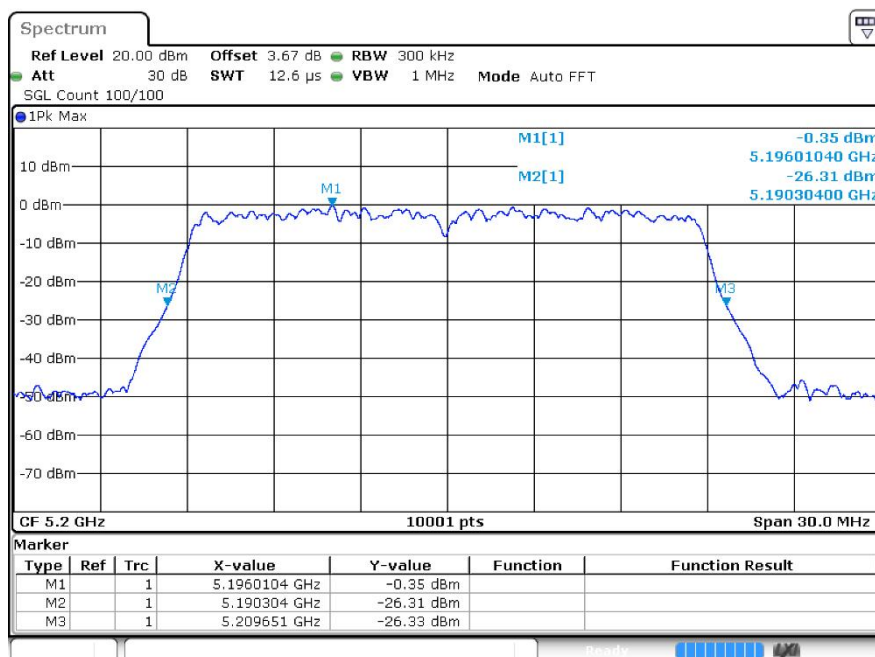


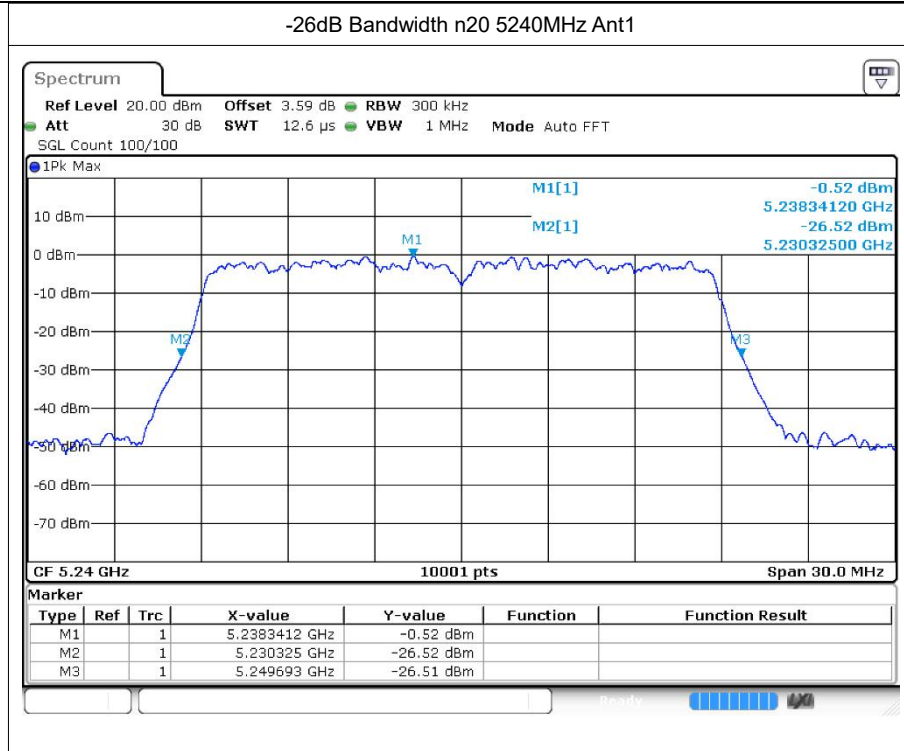


-26dB Bandwidth n20 5180MHz Ant1

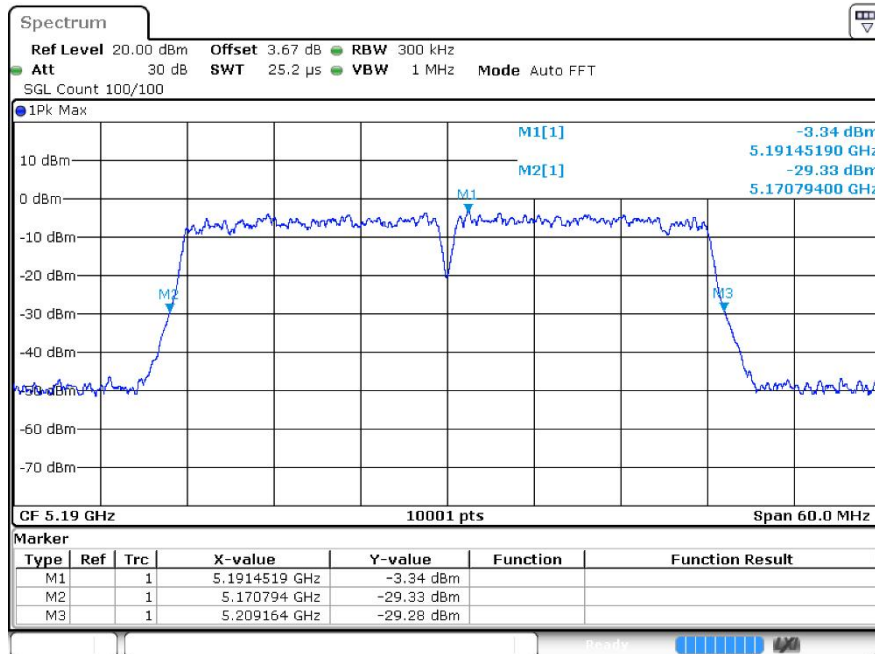


-26dB Bandwidth n20 5200MHz Ant1





-26dB Bandwidthn40 5190MHz Ant1



-26dB Bandwidthn40 5230MHz Ant1

