



Appendix D

RF Test Data for B1-B3WIFI(Conducted Measurement)

Product Name: Wifi module

Trade Mark: ACER

Test Model: WXT28M2511

Environmental Conditions

Temperature:	24.3° C
Relative Humidity:	51.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



Contents

	Page
COVER PAGE	
1 Duty Cycle.....	3
1.1 Test Result.....	3
1.2 Test Graphs.....	6
2 Maximum Conducted Output Power.....	72
2.1 Test Result.....	72
3 -26dB Bandwidth.....	77
3.1 Test Result.....	77
3.2 Test Graphs.....	80
4 Occupied Channel Bandwidth.....	146
4.1 Test Result.....	146
4.2 Test Graphs.....	150
5 Maximum Power Spectral Density Level.....	216
5.1 Test Result.....	216
5.2 Test Graphs.....	221
6 Frequency Stability.....	285
6.1 Test Result.....	285
7 Conducted RF Spurious Emission.....	300
7.1 Test Result.....	300
7.2 Test Graphs.....	304
8 Restrict Band.....	370
8.1 Test Result.....	370
8.2 Test Graphs.....	393



1 Duty Cycle

1.1 Test Result

Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
a	5180	Ant0	86.85	0.61	0.72
a	5200	Ant0	86.83	0.61	0.71
a	5240	Ant0	86.78	0.62	0.72
a	5260	Ant0	86.68	0.62	0.72
a	5280	Ant0	86.73	0.62	0.72
a	5320	Ant0	86.76	0.62	0.71
a	5500	Ant0	86.82	0.62	0.72
a	5600	Ant0	86.69	0.61	0.72
a	5700	Ant0	86.74	0.62	0.71
a	5180	Ant1	84.9	0.71	0.71
a	5200	Ant1	86.87	0.61	0.71
a	5240	Ant1	86.69	0.62	0.72
a	5260	Ant1	86.81	0.61	0.71
a	5280	Ant1	86.8	0.61	0.72
a	5320	Ant1	86.89	0.61	0.72
a	5500	Ant1	86.77	0.62	0.72
a	5600	Ant1	86.99	0.61	0.71
a	5700	Ant1	86.69	0.62	0.71
n20	5180	Ant0	85.99	0.66	0.77
n20	5200	Ant0	85.88	0.66	0.77
n20	5240	Ant0	85.94	0.66	0.77
n20	5260	Ant0	86.26	0.64	0.77
n20	5280	Ant0	85.93	0.66	0.77
n20	5320	Ant0	85.88	0.66	0.77
n20	5500	Ant0	86.12	0.65	0.77
n20	5600	Ant0	86.14	0.65	0.77
n20	5700	Ant0	85.92	0.66	0.77
n20	5180	Ant1	86.09	0.65	0.77
n20	5200	Ant1	85.97	0.66	0.77
n20	5240	Ant1	85.9	0.66	0.76
n20	5260	Ant1	85.88	0.66	0.77
n20	5280	Ant1	86	0.65	0.77
n20	5320	Ant1	85.97	0.66	0.77
n20	5500	Ant1	85.99	0.66	0.77
n20	5600	Ant1	86.06	0.65	0.77
n20	5700	Ant1	86.01	0.65	0.77
n40	5190	Ant0	52.03	2.84	5

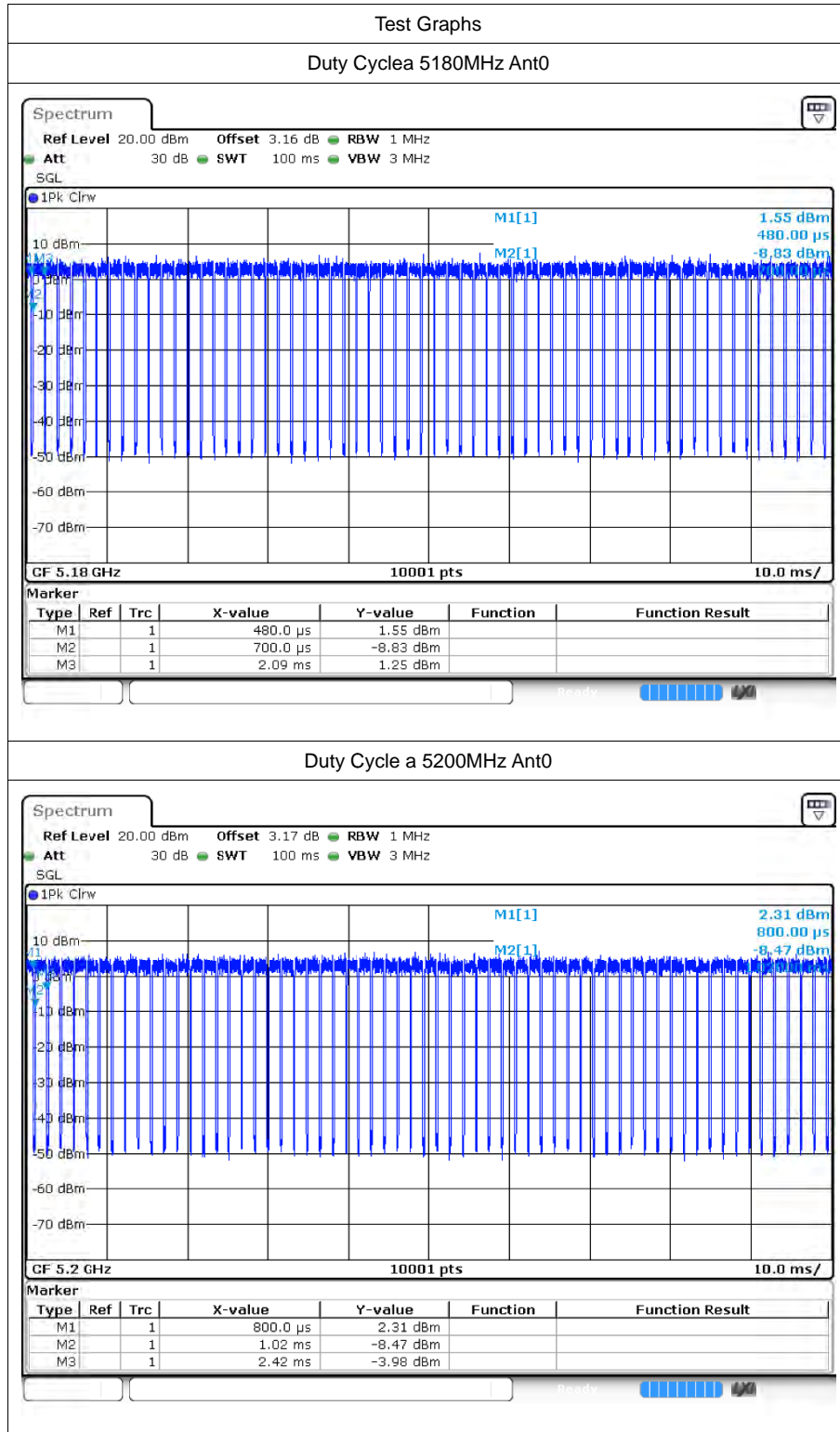


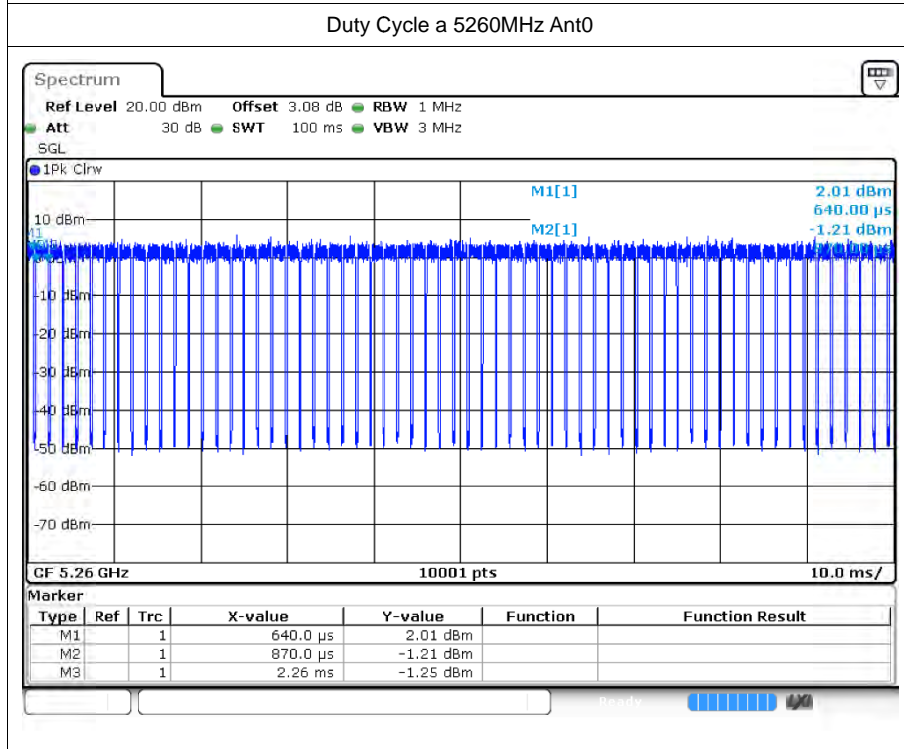
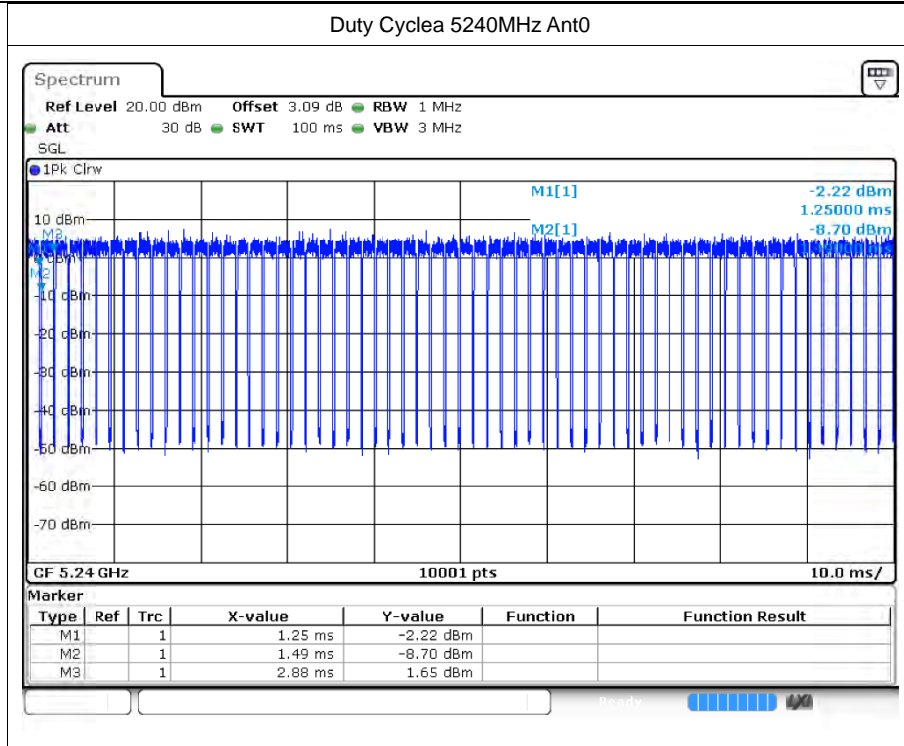
n40	5230	Ant0	52.08	2.83	5.26
n40	5270	Ant0	52.08	2.83	5
n40	5310	Ant0	52	2.84	5.26
n40	5510	Ant0	52.1	2.83	5.26
n40	5670	Ant0	50.41	2.97	5
n40	5190	Ant1	50	3.01	5.56
n40	5230	Ant1	47.49	3.23	5.88
n40	5270	Ant1	49.95	3.02	5.26
n40	5310	Ant1	47.51	3.23	5.88
n40	5510	Ant1	50.04	3.01	5.26
n40	5670	Ant1	50.09	3	5.26
ac20	5180	Ant0	76.54	1.16	1.47
ac20	5200	Ant0	73.84	1.32	1.47
ac20	5240	Ant0	76.37	1.17	1.47
ac20	5260	Ant0	76.25	1.18	1.47
ac20	5280	Ant0	76.35	1.17	1.47
ac20	5320	Ant0	76.32	1.17	1.47
ac20	5500	Ant0	76.43	1.17	1.47
ac20	5600	Ant0	76.46	1.17	1.47
ac20	5700	Ant0	76.31	1.17	1.47
ac20	5180	Ant1	76.36	1.17	1.47
ac20	5200	Ant1	76.28	1.18	1.47
ac20	5240	Ant1	76.45	1.17	1.47
ac20	5260	Ant1	76.46	1.17	1.47
ac20	5280	Ant1	76.46	1.17	1.47
ac20	5320	Ant1	76.34	1.17	1.47
ac20	5500	Ant1	76.47	1.16	1.47
ac20	5600	Ant1	76.34	1.17	1.47
ac20	5700	Ant1	76.41	1.17	1.47
ac40	5190	Ant0	46	3.37	8.33
ac40	5230	Ant0	46.22	3.35	8.33
ac40	5310	Ant0	46.03	3.37	8.33
ac40	5270	Ant0	46.05	3.37	8.33
ac40	5510	Ant0	46.25	3.35	8.33
ac40	5670	Ant0	45.93	3.38	7.69
ac40	5190	Ant1	42.75	3.69	9.09
ac40	5230	Ant1	42.97	3.67	8.33
ac40	5270	Ant1	42.83	3.68	9.09
ac40	5310	Ant1	42.78	3.69	8.33
ac40	5510	Ant1	43.61	3.6	8.33
ac40	5670	Ant1	43.34	3.63	8.33
ac80	5210	Ant0	43.83	3.58	8.33
ac80	5290	Ant0	40.41	3.94	9.09

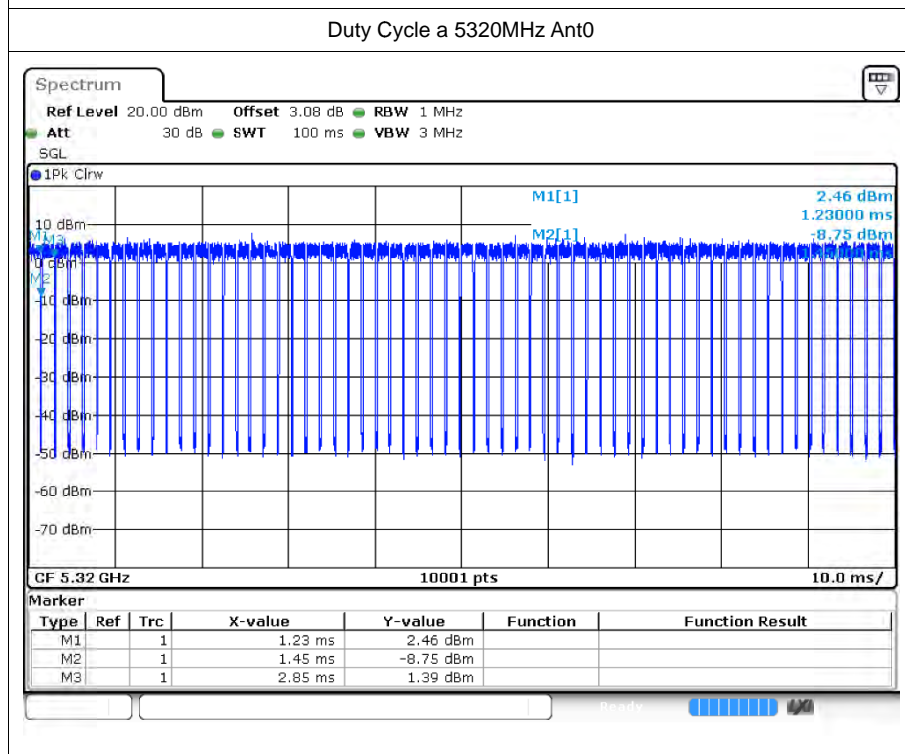
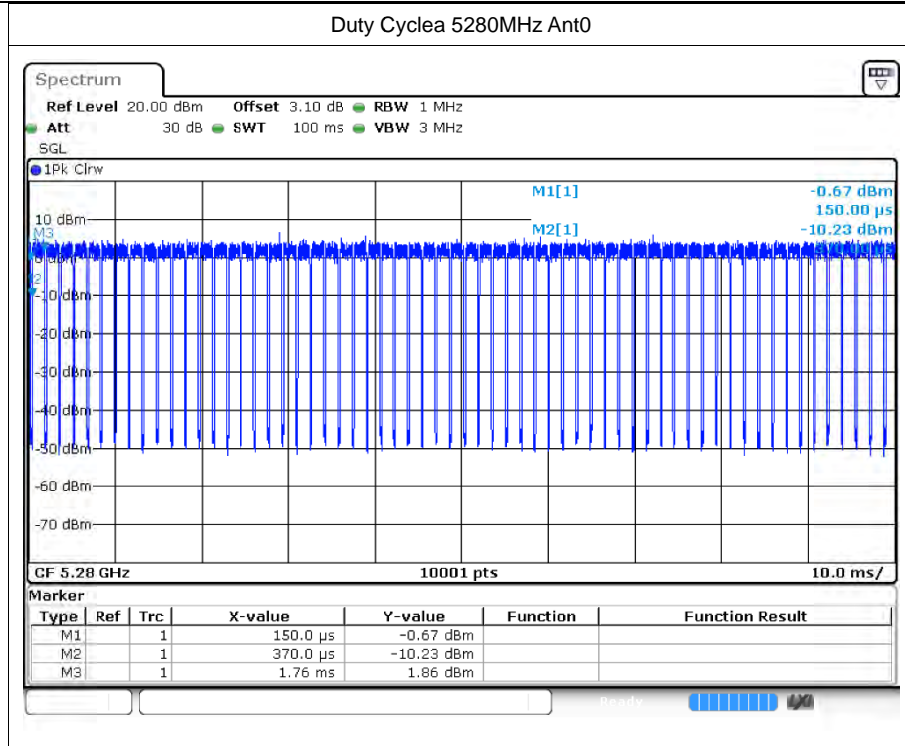


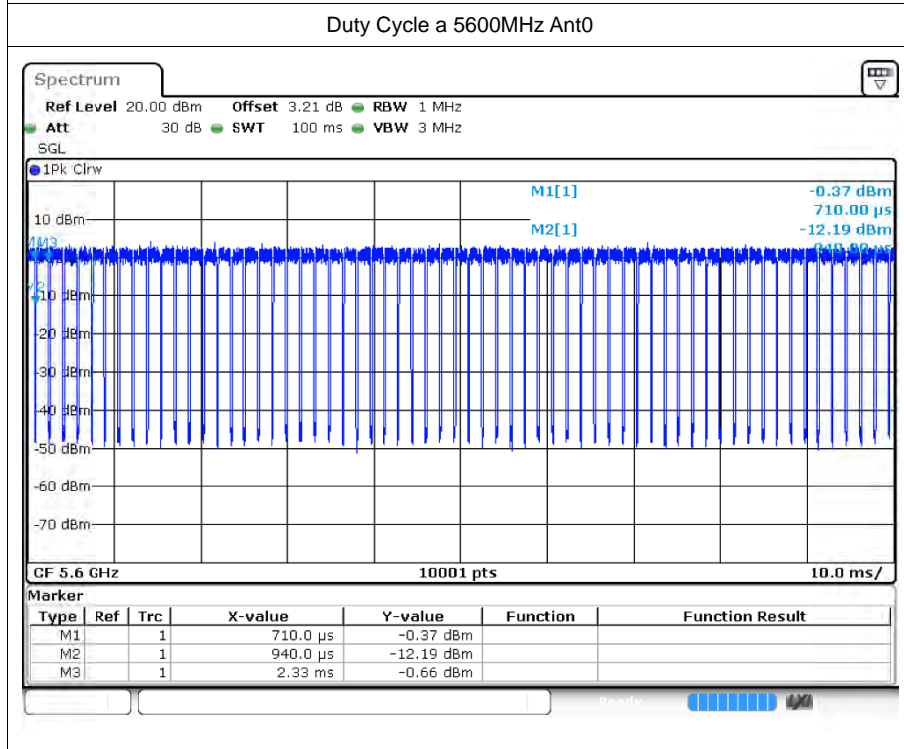
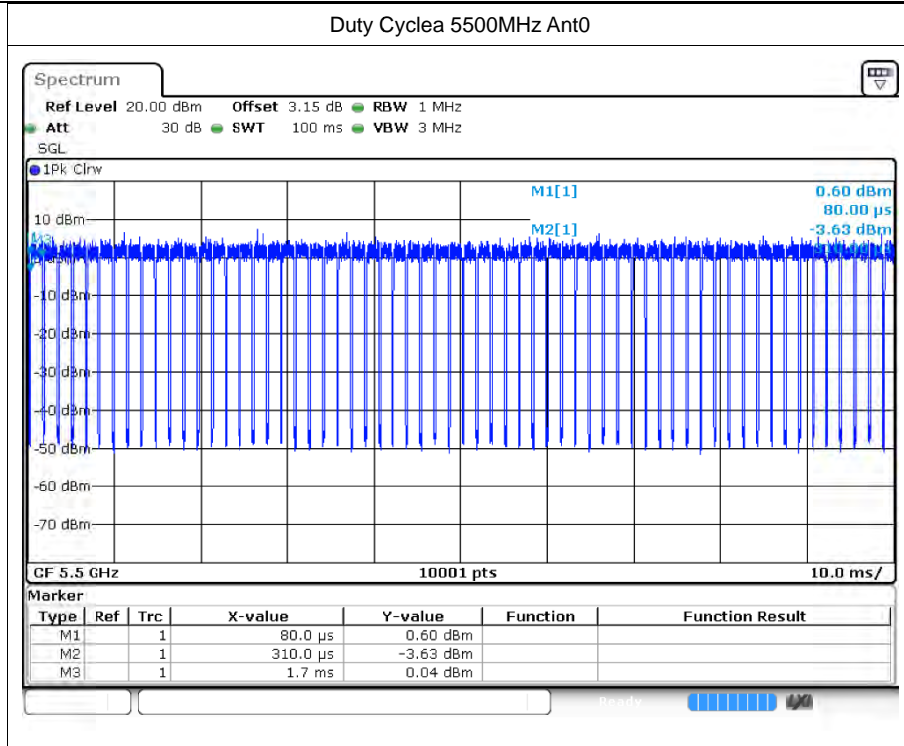
ac80	5530	Ant0	40.59	3.92	8.33
ac80	5610	Ant0	37.42	4.27	10
ac80	5210	Ant1	38.32	4.17	10
ac80	5530	Ant1	41.1	3.86	9.09
ac80	5610	Ant1	41.64	3.81	8.33
ax20	5180	Ant0	53.15	2.74	5
ax20	5200	Ant0	53.13	2.75	5
ax20	5240	Ant0	53.12	2.75	5
ax20	5260	Ant0	53.12	2.75	5
ax20	5280	Ant0	53.06	2.75	5
ax20	5320	Ant0	53.2	2.74	5
ax20	5500	Ant0	53.28	2.73	5
ax20	5600	Ant0	53.13	2.75	5
ax20	5700	Ant0	53.26	2.74	4.76
ax20	5180	Ant1	53.2	2.74	5
ax20	5200	Ant1	53.19	2.74	5
ax20	5240	Ant1	53.16	2.74	5
ax20	5260	Ant1	53.15	2.74	5
ax20	5280	Ant1	53.1	2.75	5
ax20	5320	Ant1	53.1	2.75	5
ax20	5500	Ant1	51.3	2.9	5
ax20	5600	Ant1	53.09	2.75	4.76
ax20	5700	Ant1	53.06	2.75	5
ax40	5190	Ant0	52.25	2.82	5
ax40	5230	Ant0	52.21	2.82	5
ax40	5310	Ant0	52.17	2.83	5
ax40	5270	Ant0	52.23	2.82	5
ax40	5510	Ant0	52.29	2.82	5
ax40	5670	Ant0	52.25	2.82	4.76
ax40	5190	Ant1	50.29	2.98	5
ax40	5230	Ant1	50.34	2.98	5
ax40	5270	Ant1	49.66	3.04	5.26
ax40	5310	Ant1	50.42	2.97	5
ax40	5510	Ant1	50.26	2.99	5.26
ax40	5670	Ant1	50.28	2.99	5
ax80	5210	Ant0	46.93	3.29	5.56
ax80	5290	Ant0	45.2	3.45	5.88
ax80	5530	Ant0	45.07	3.46	5.56
ax80	5610	Ant0	45.04	3.46	5.56
ax80	5210	Ant1	43.75	3.59	5.56
ax80	5530	Ant1	45.5	3.42	5.56
ax80	5610	Ant1	46.97	3.28	5.26

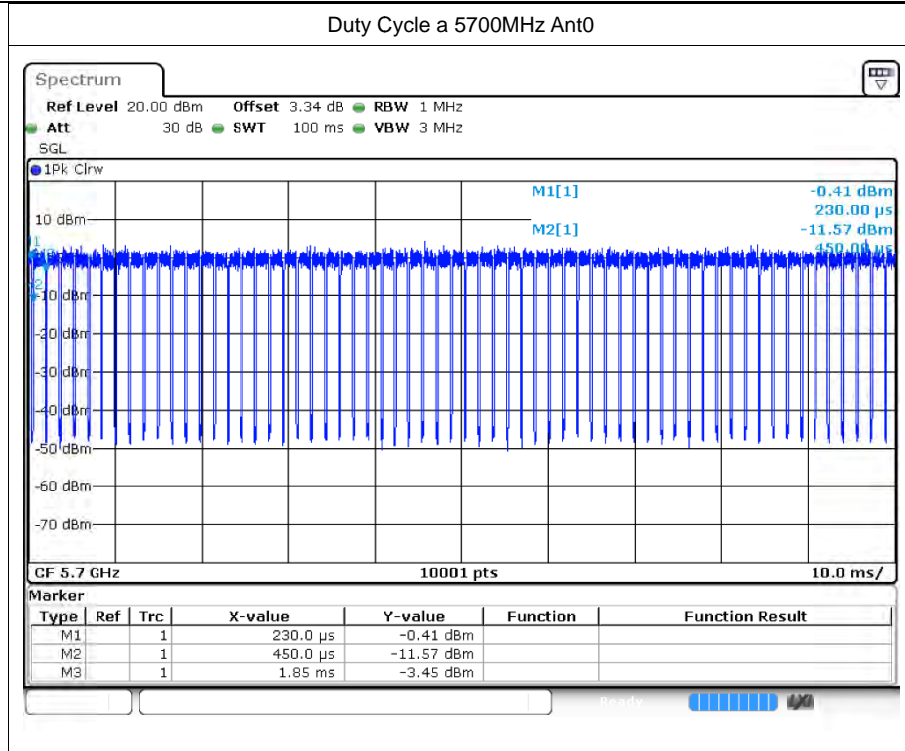
1.2 Test Graphs

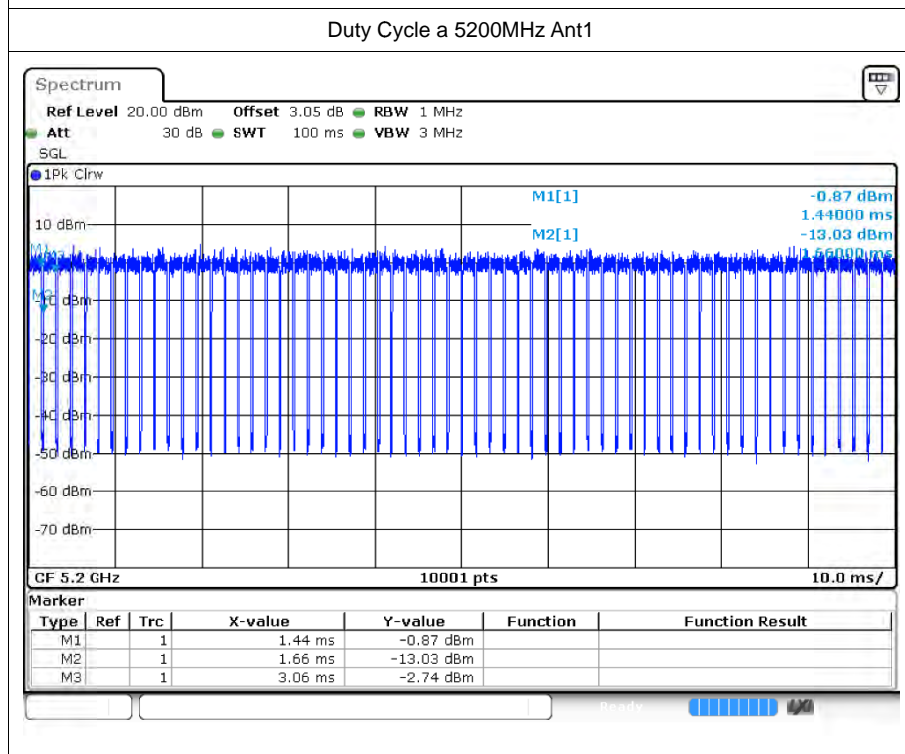
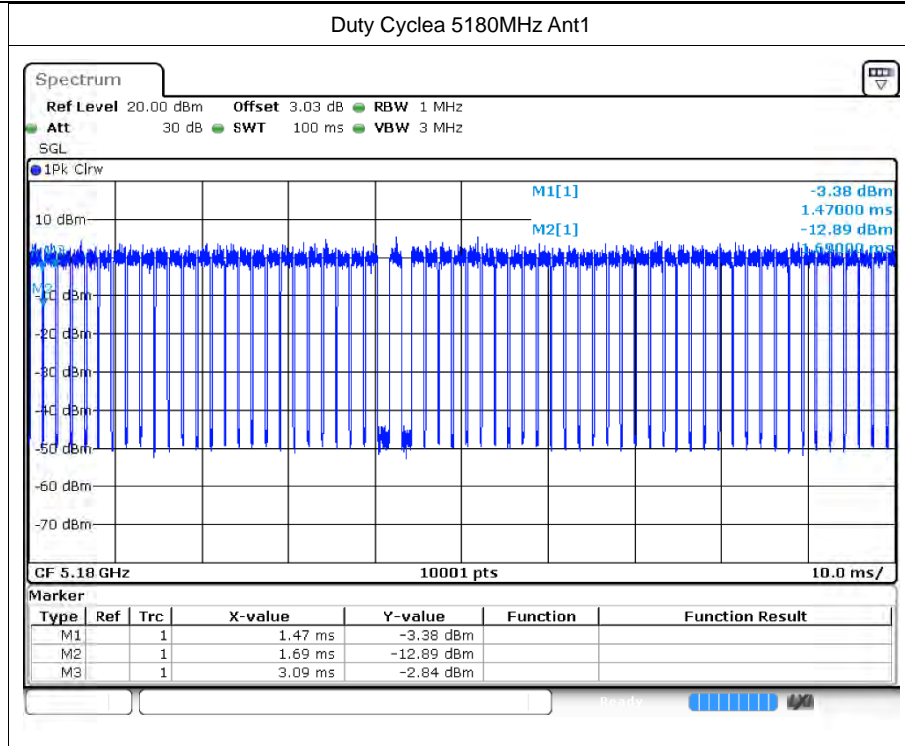


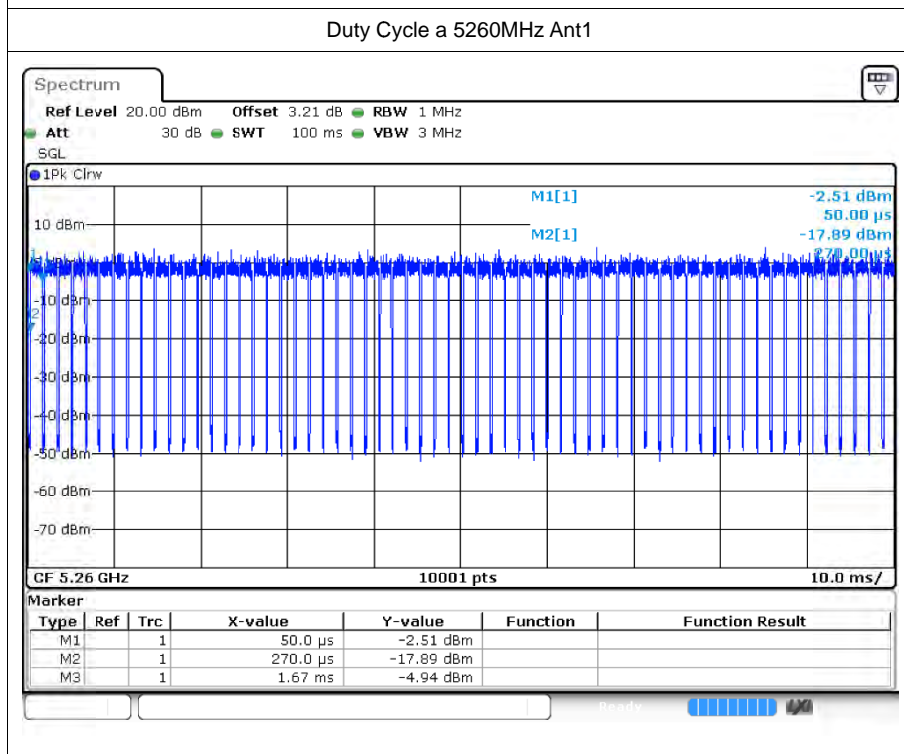
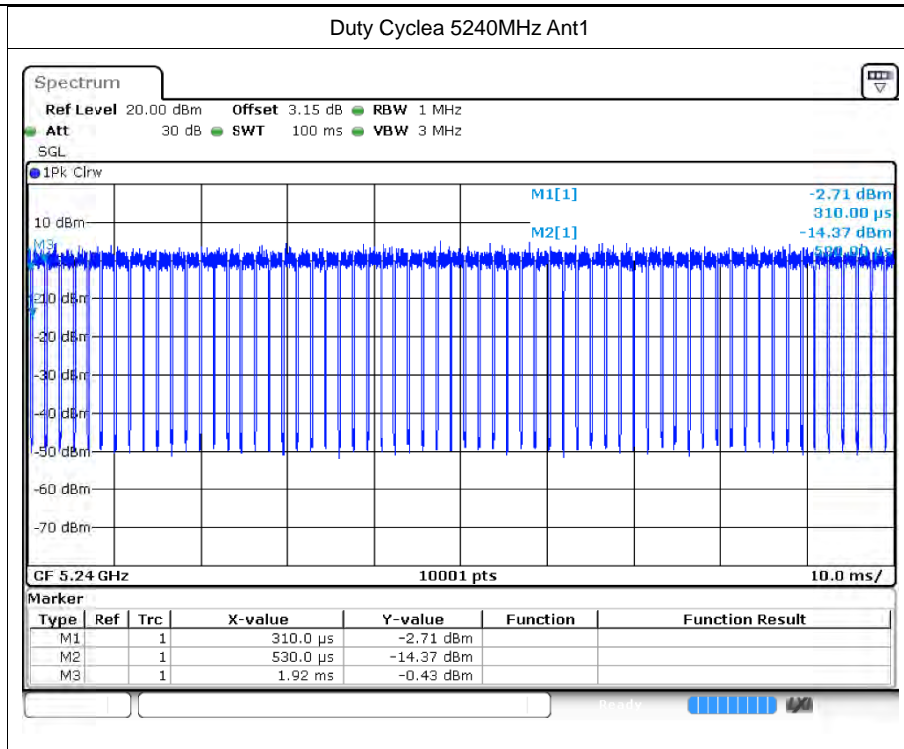


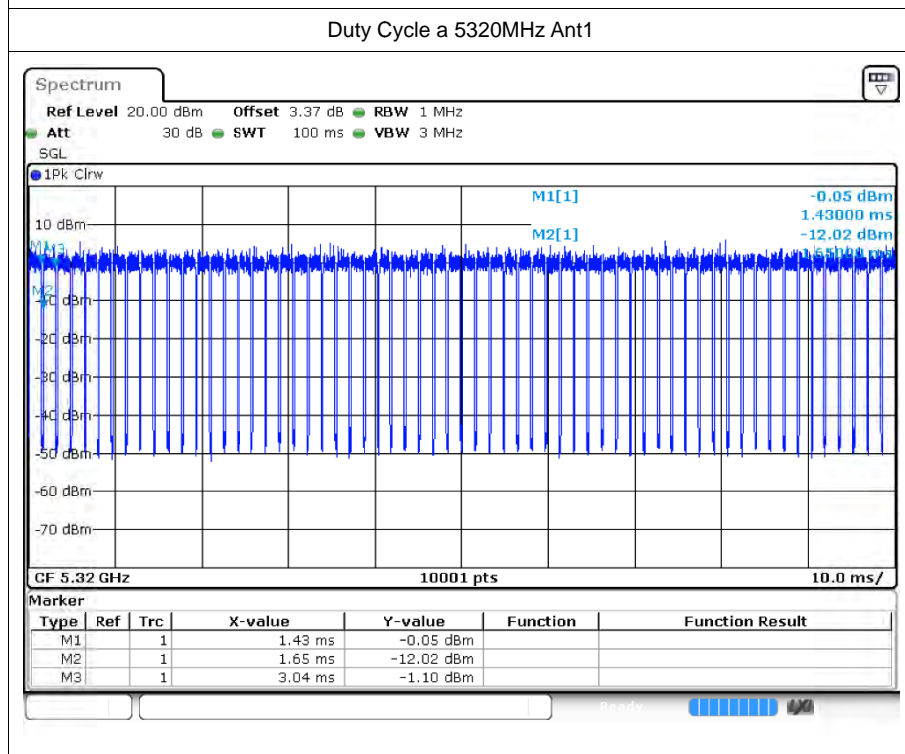
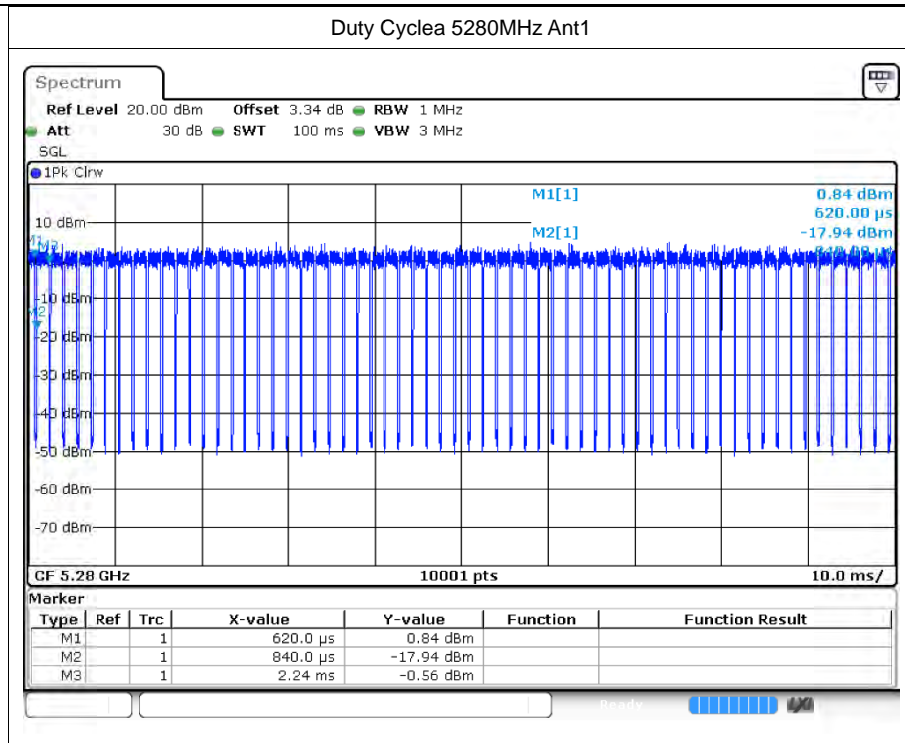


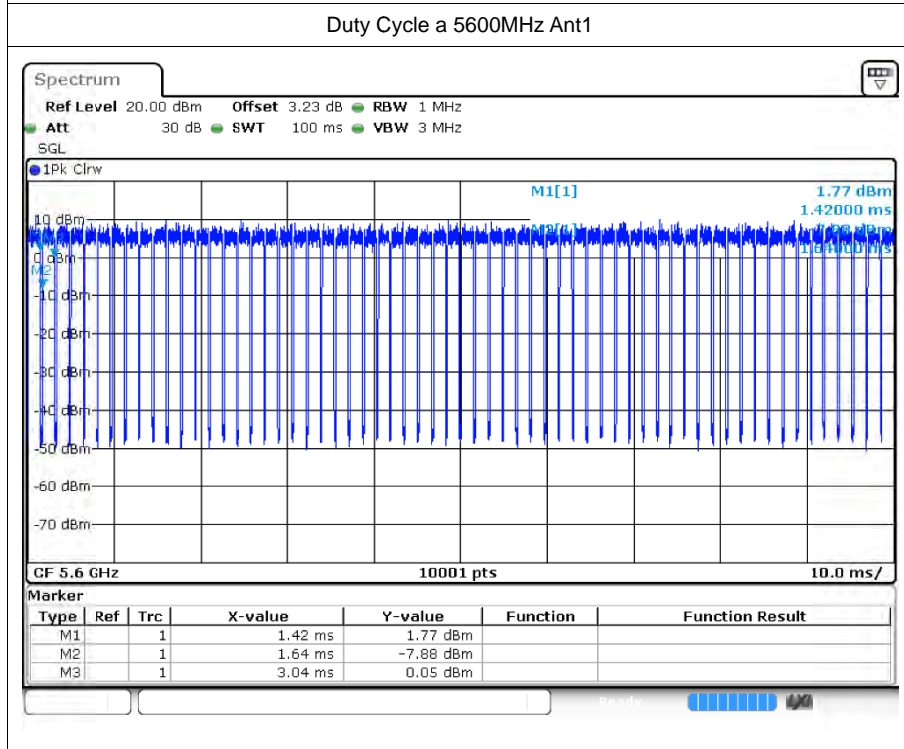
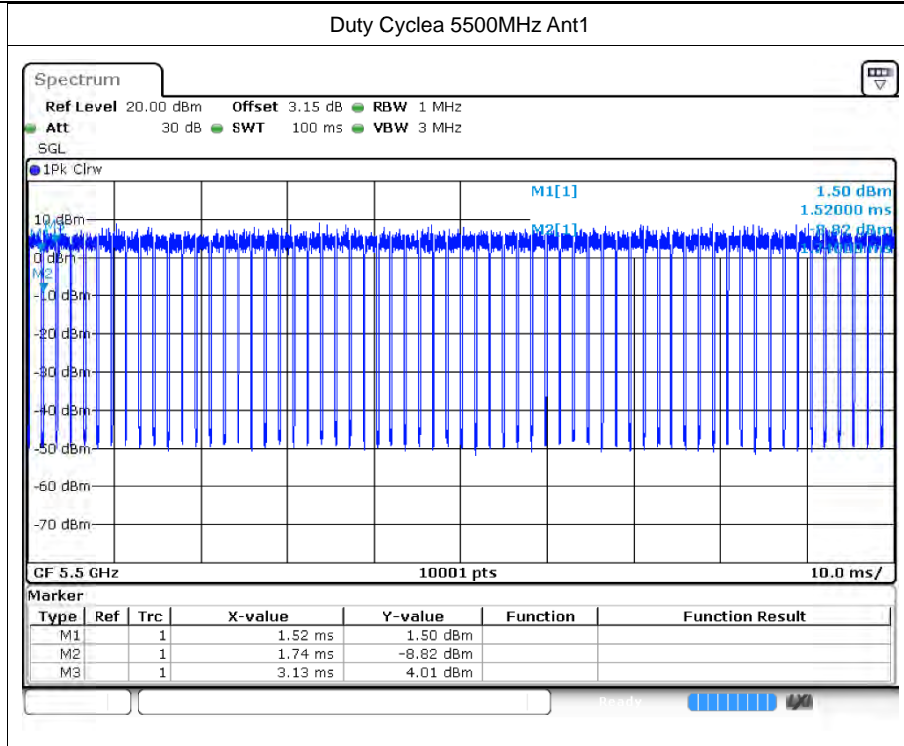


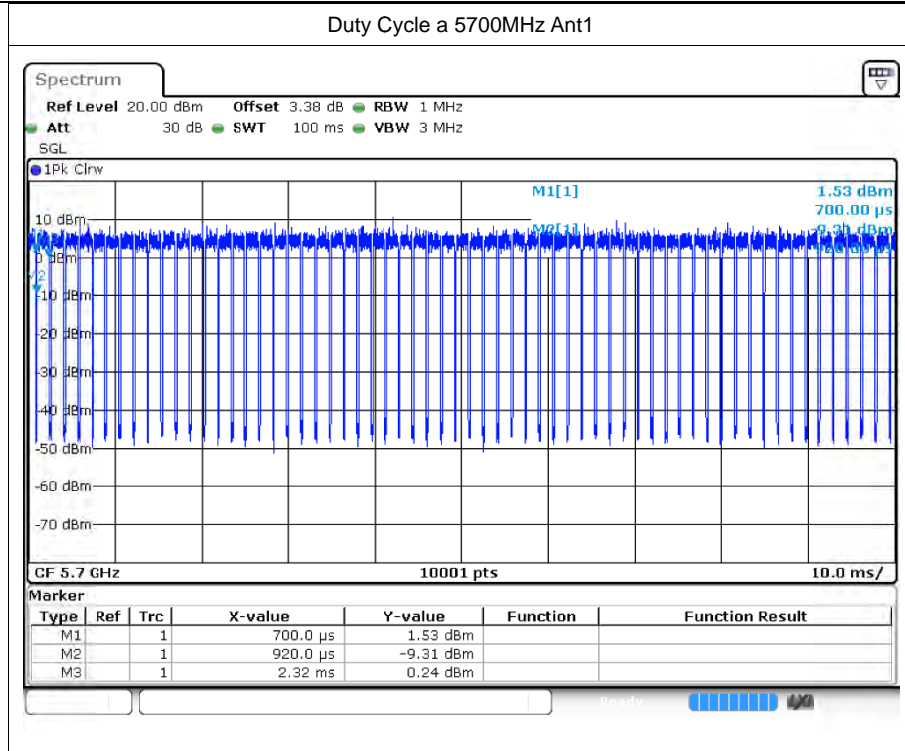


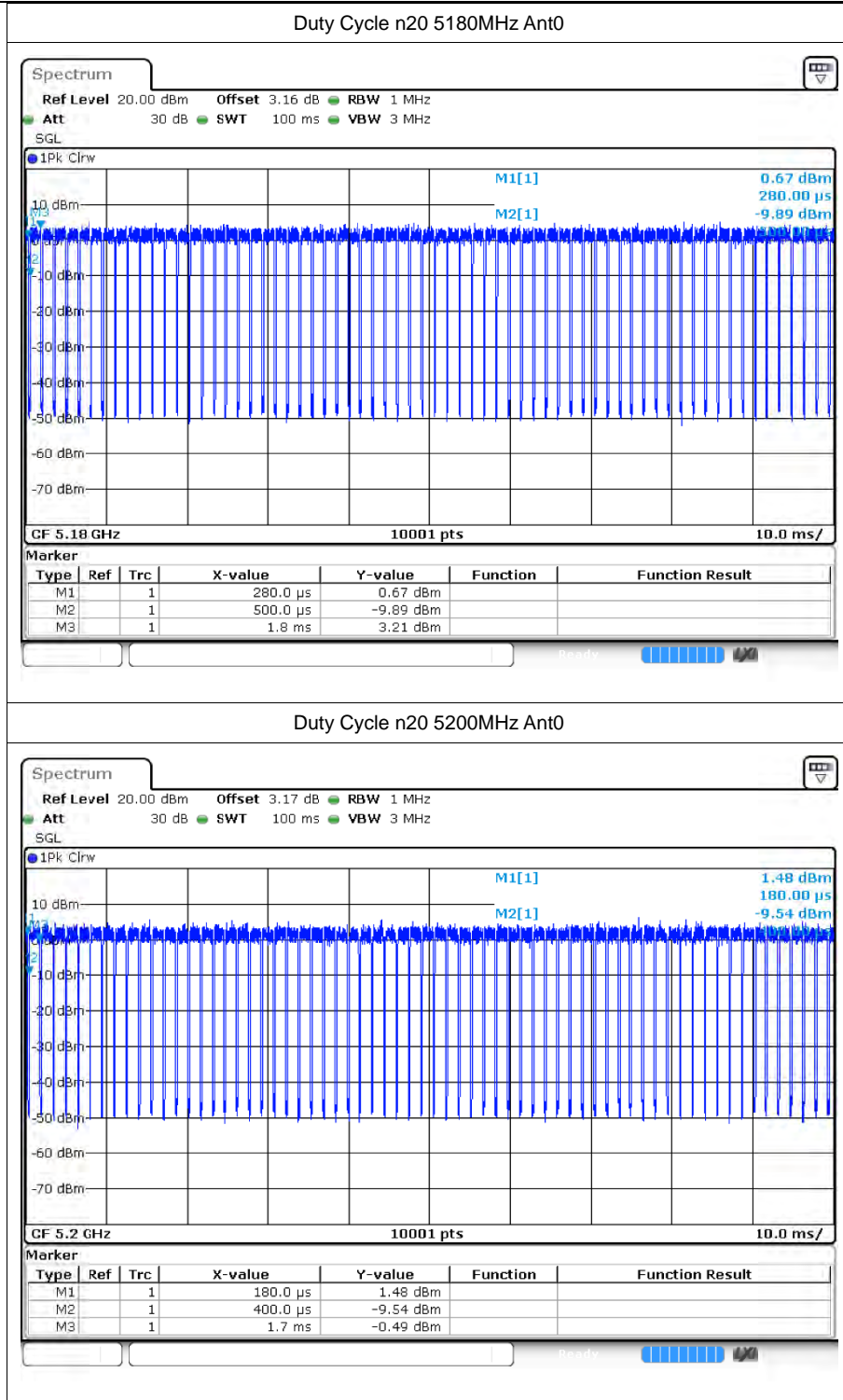






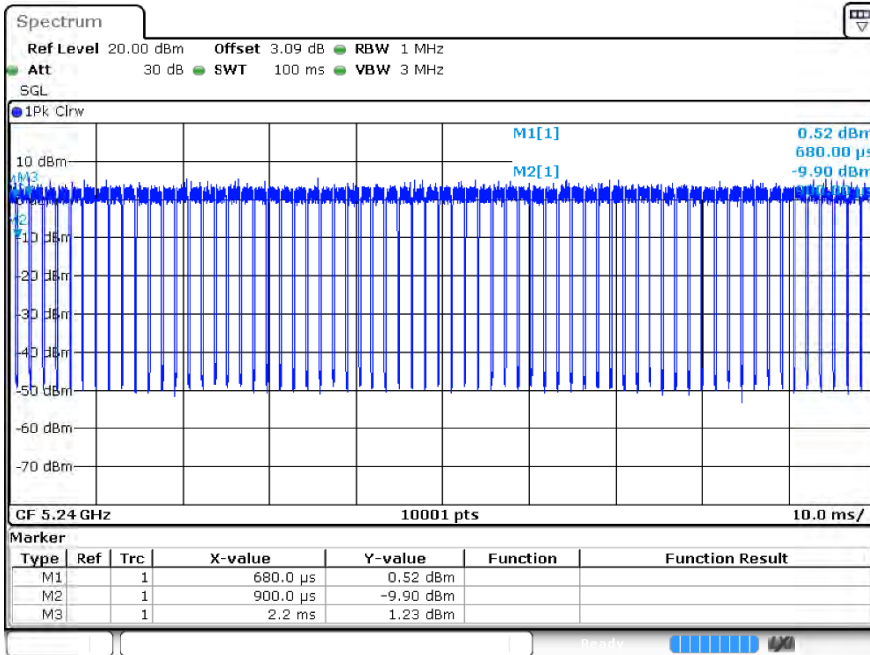




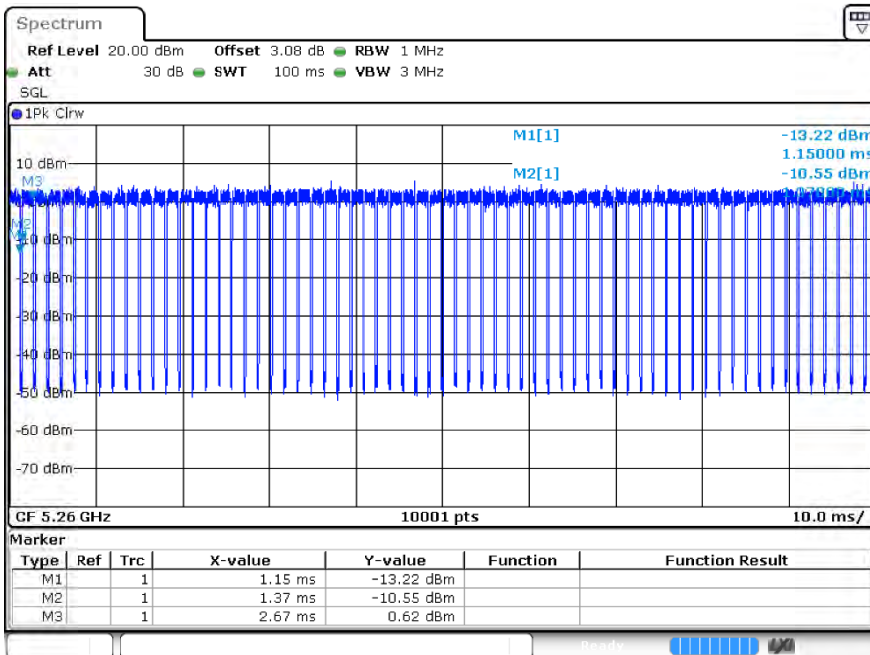


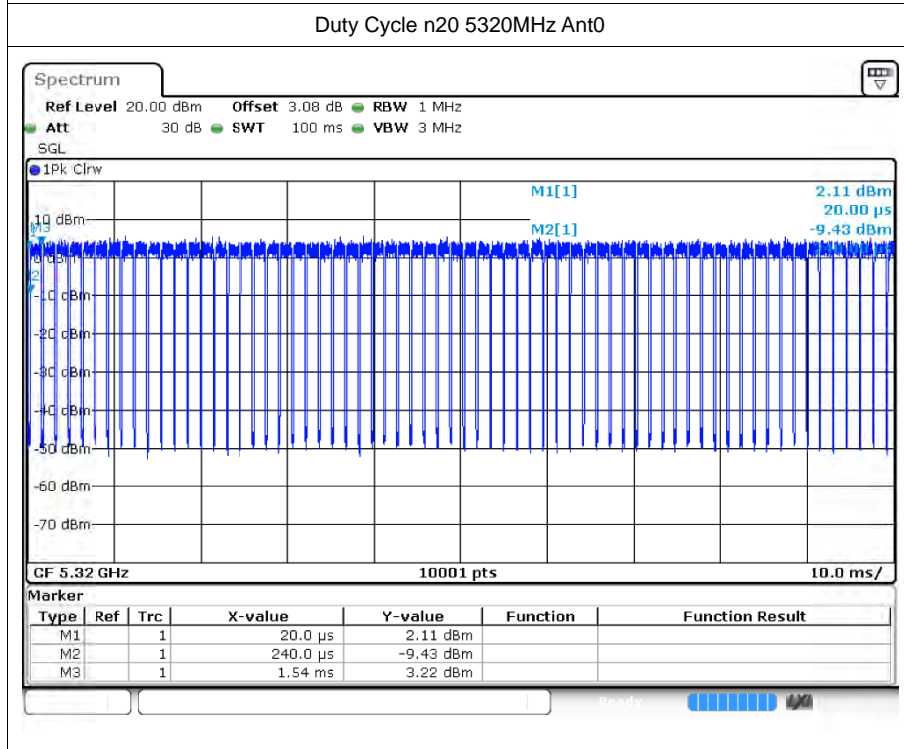
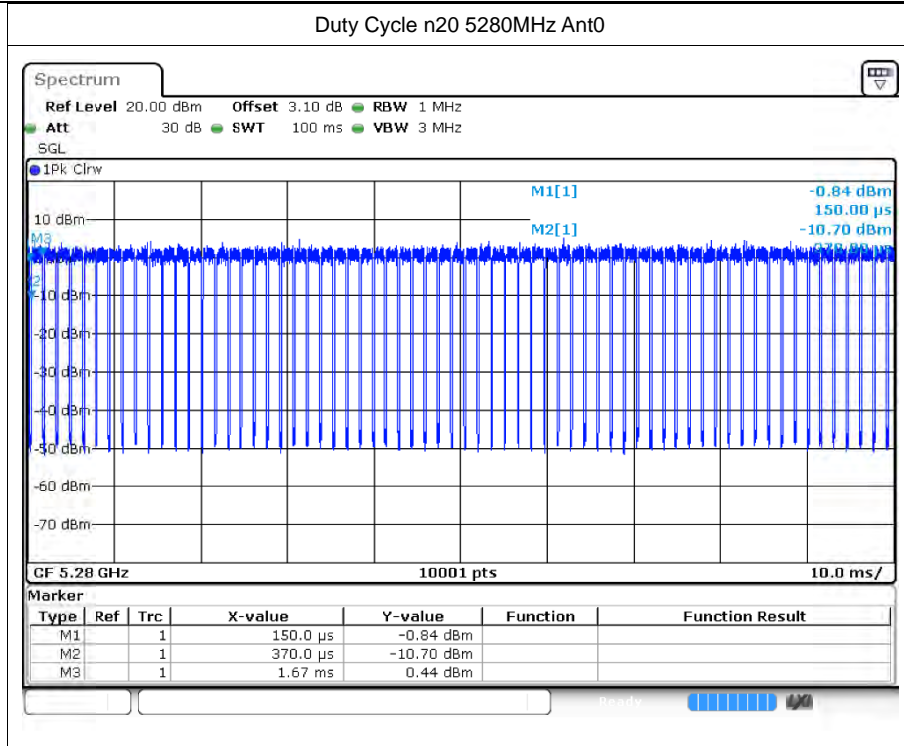


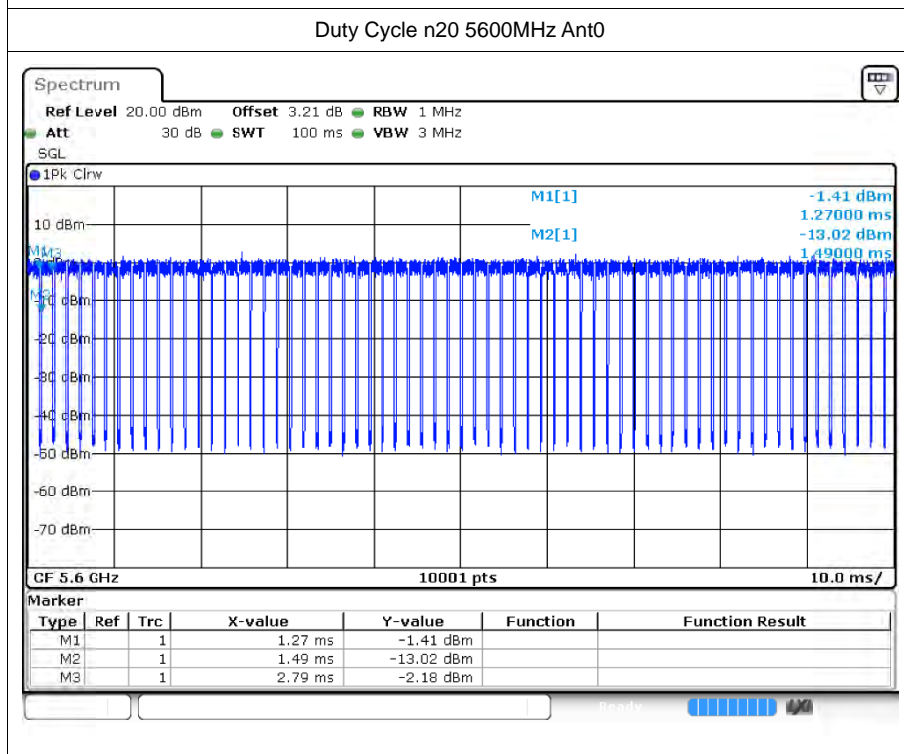
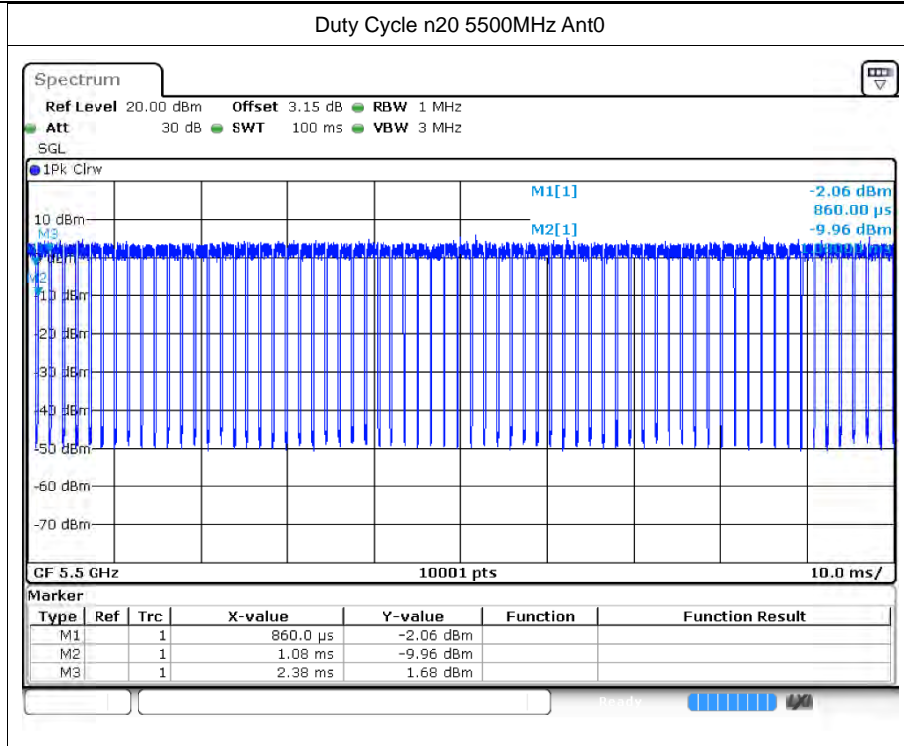
Duty Cycle n20 5240MHz Ant0

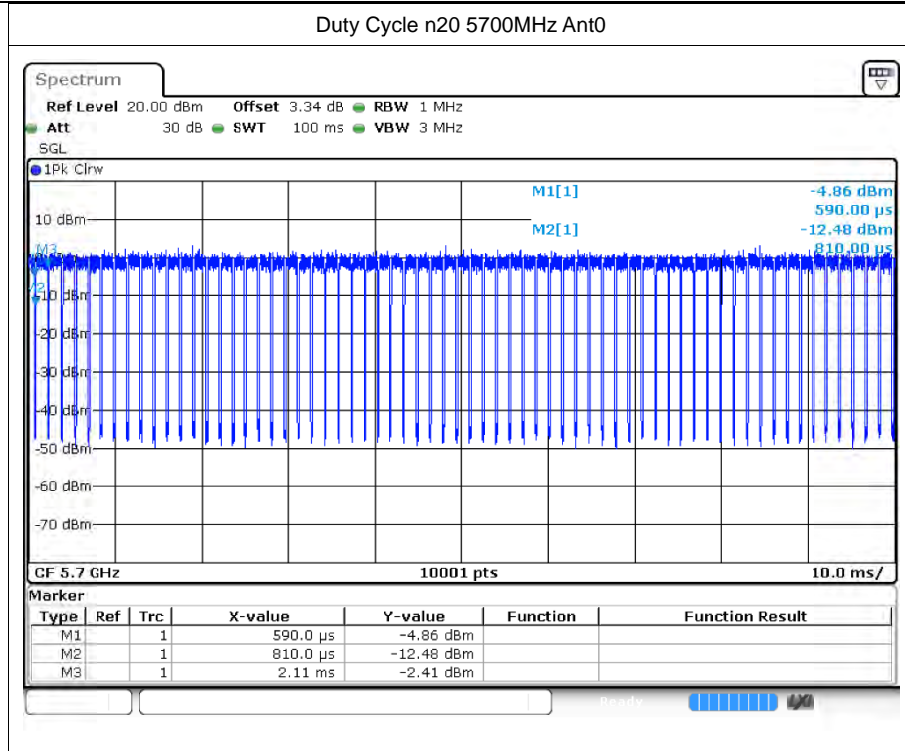


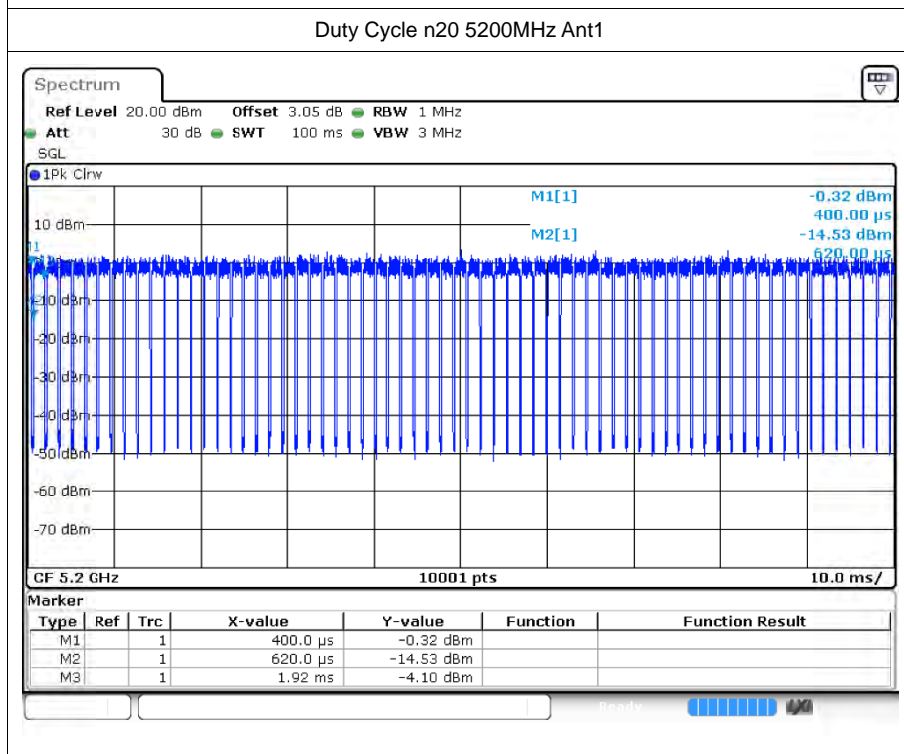
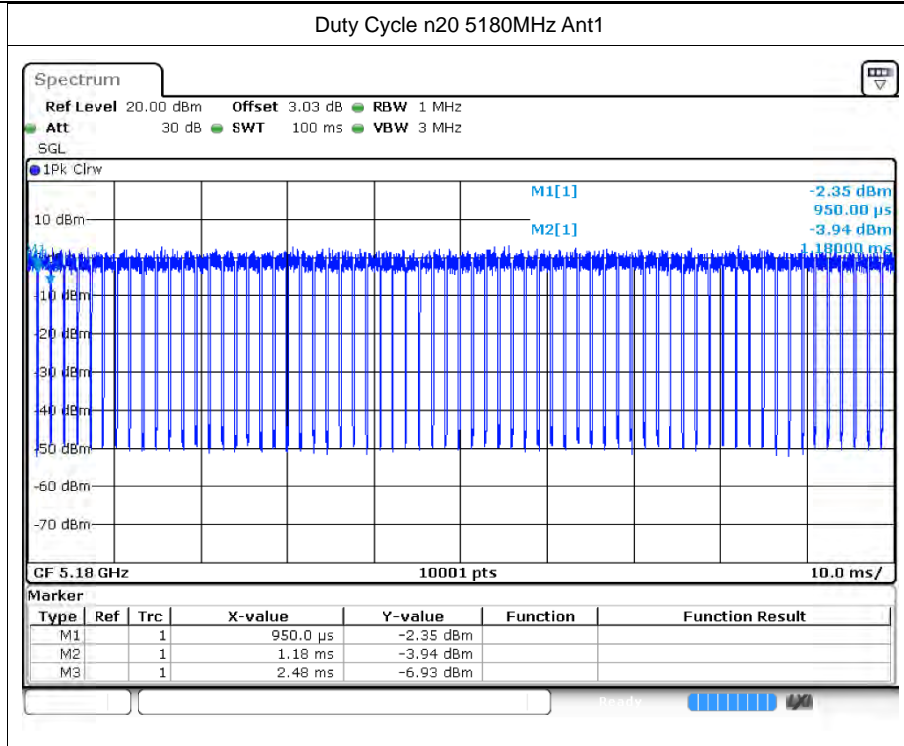
Duty Cycle n20 5260MHz Ant0

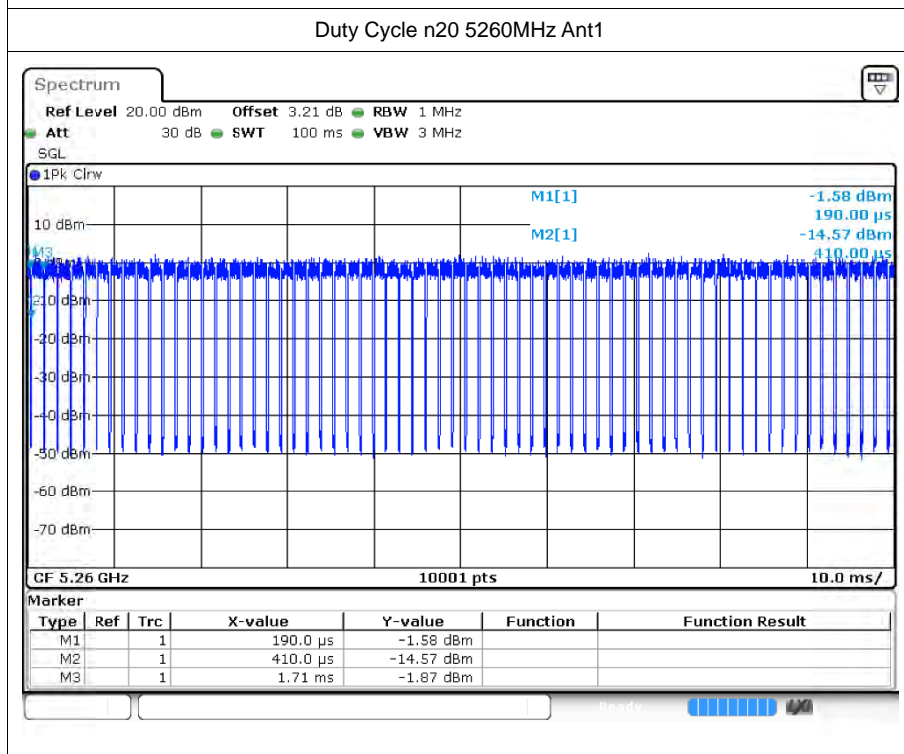
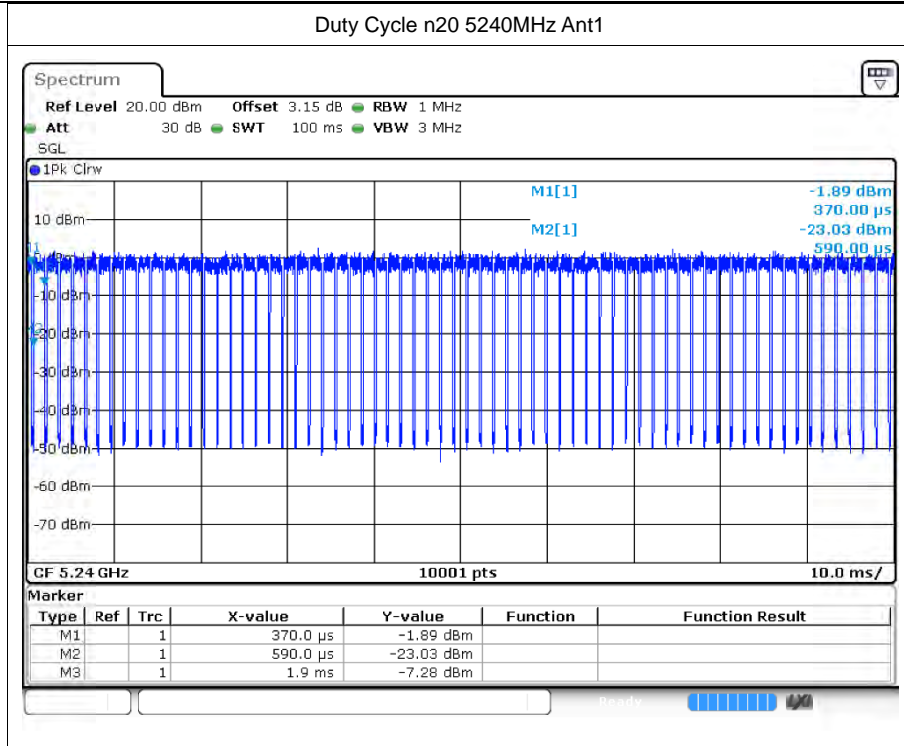


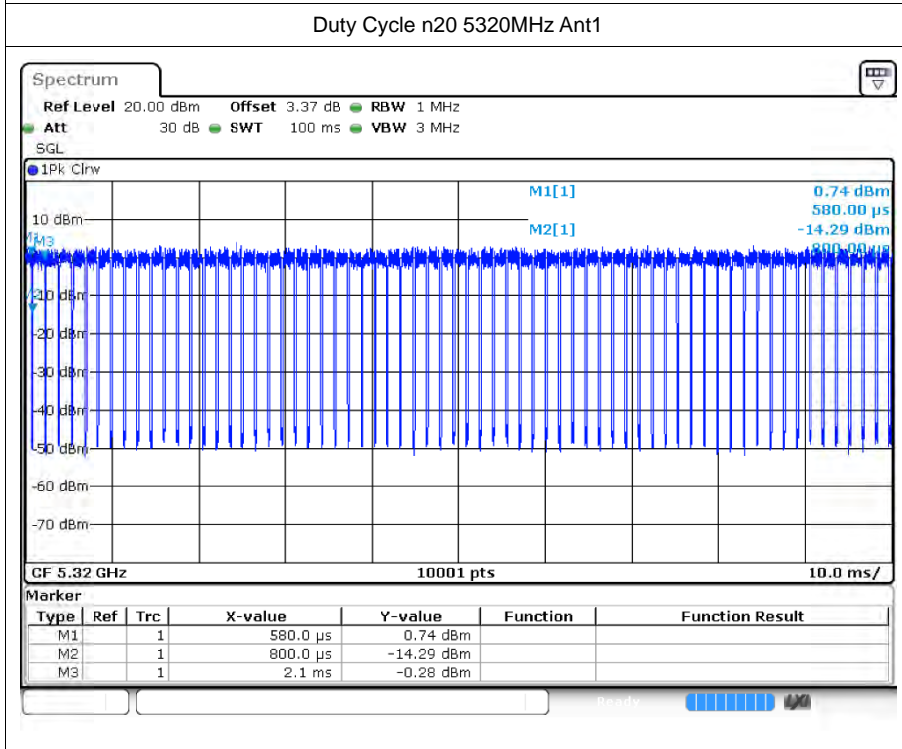
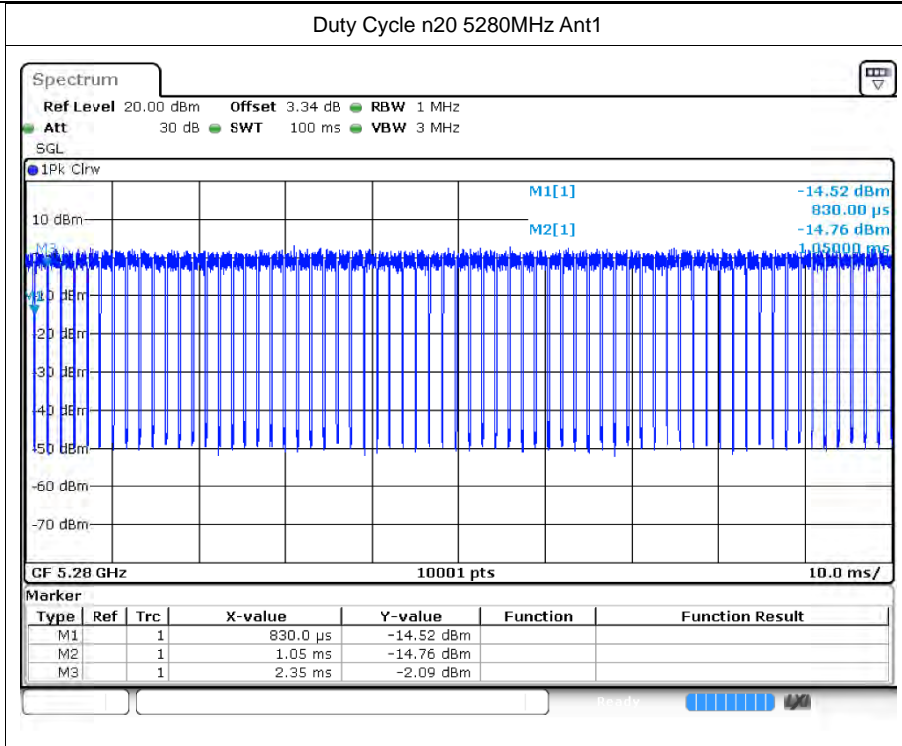


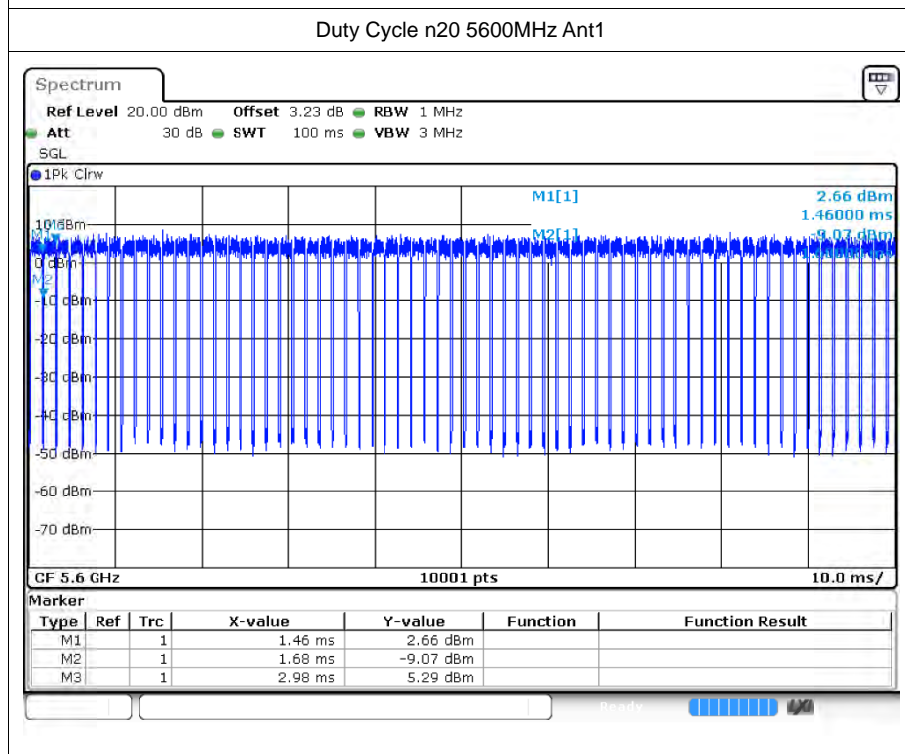
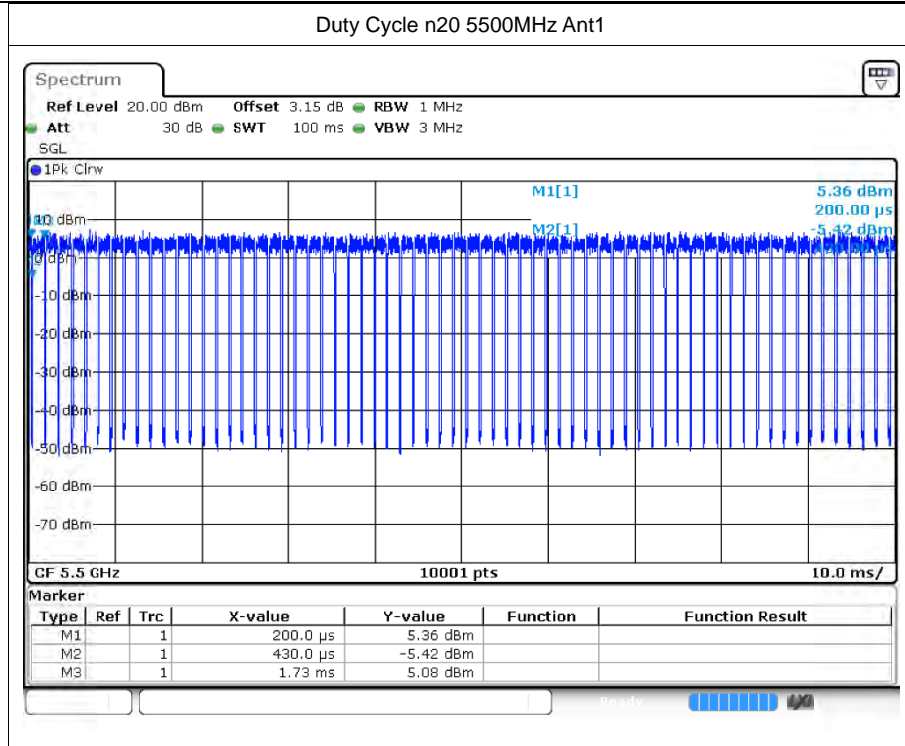


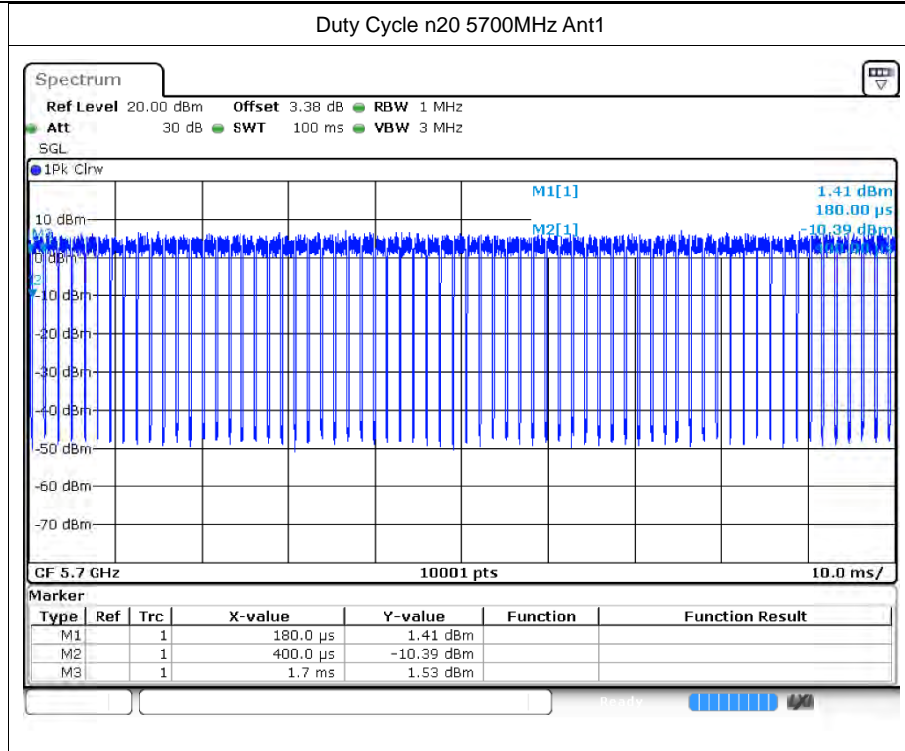


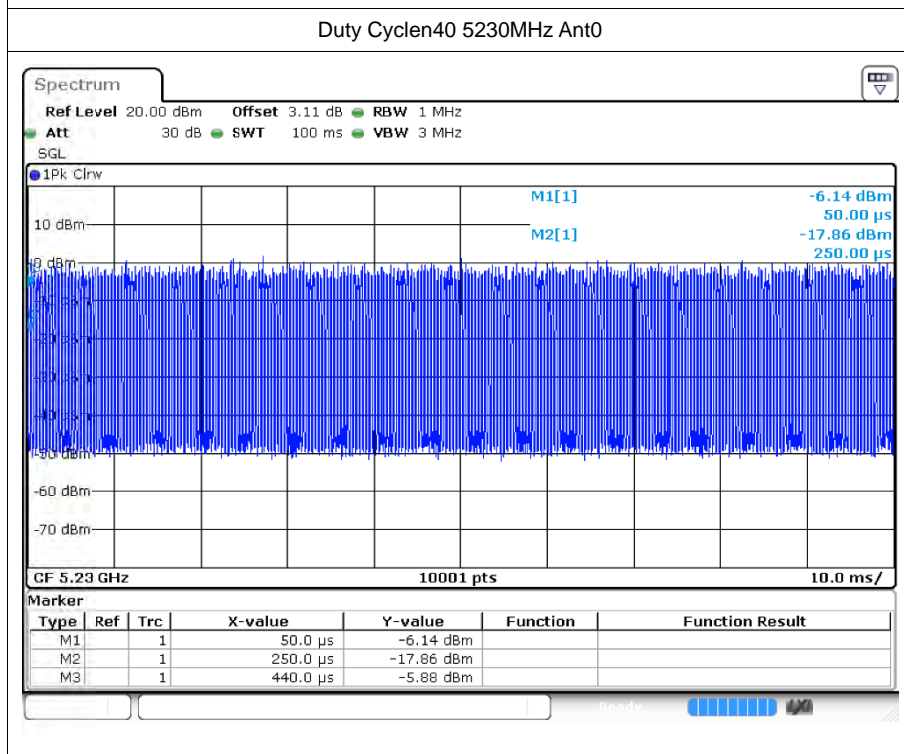
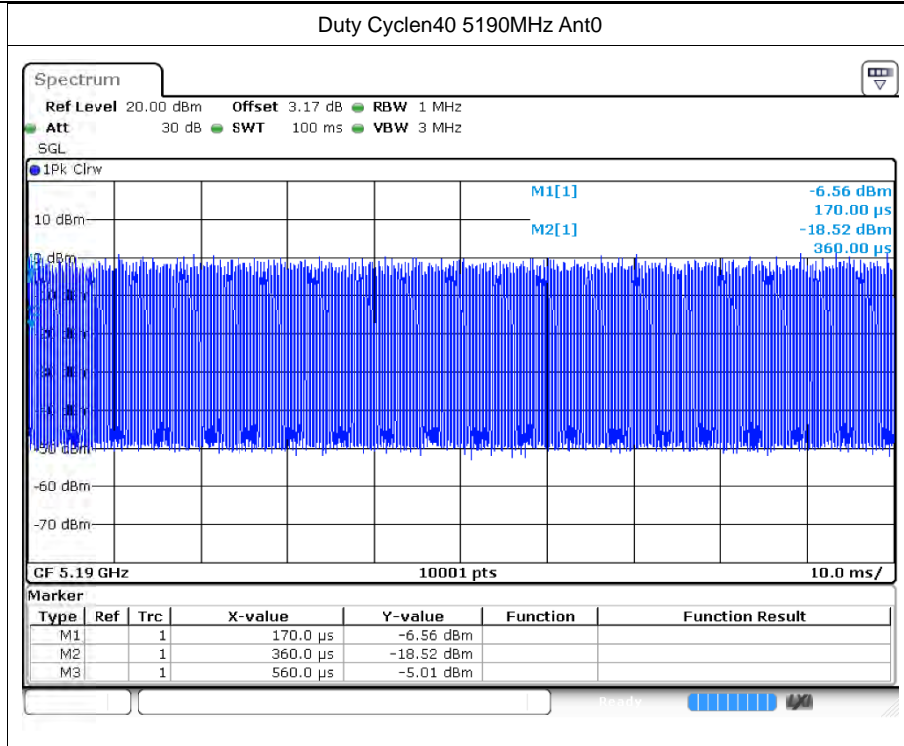


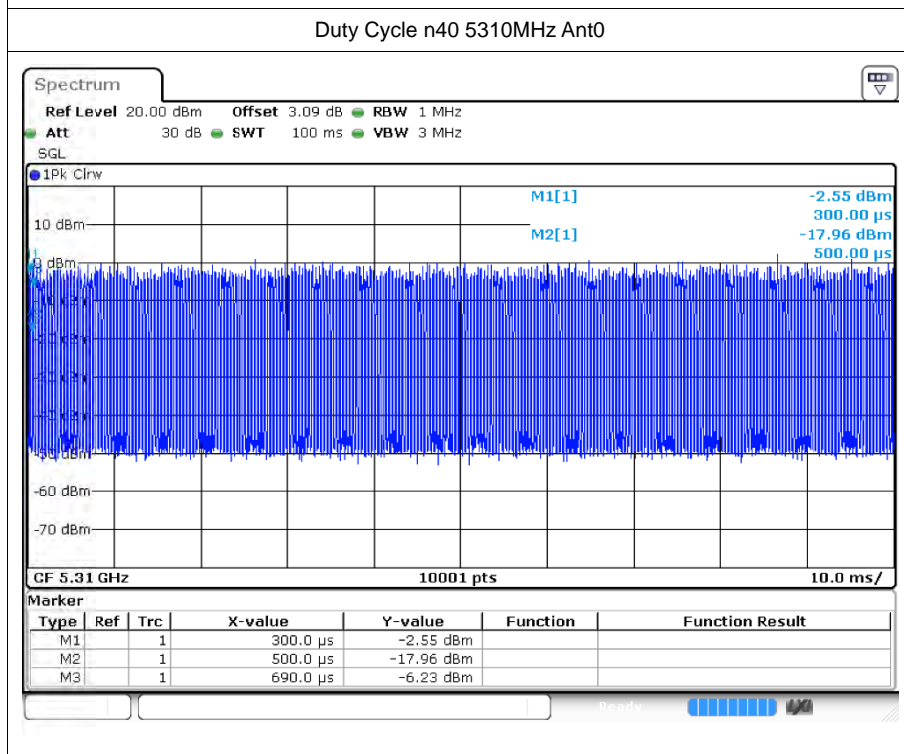
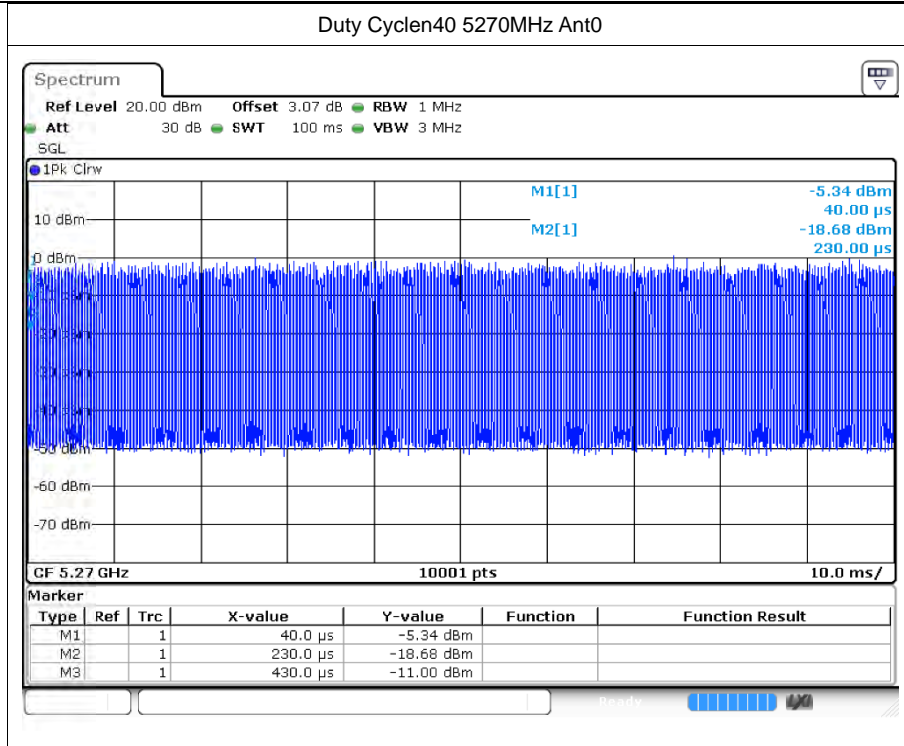


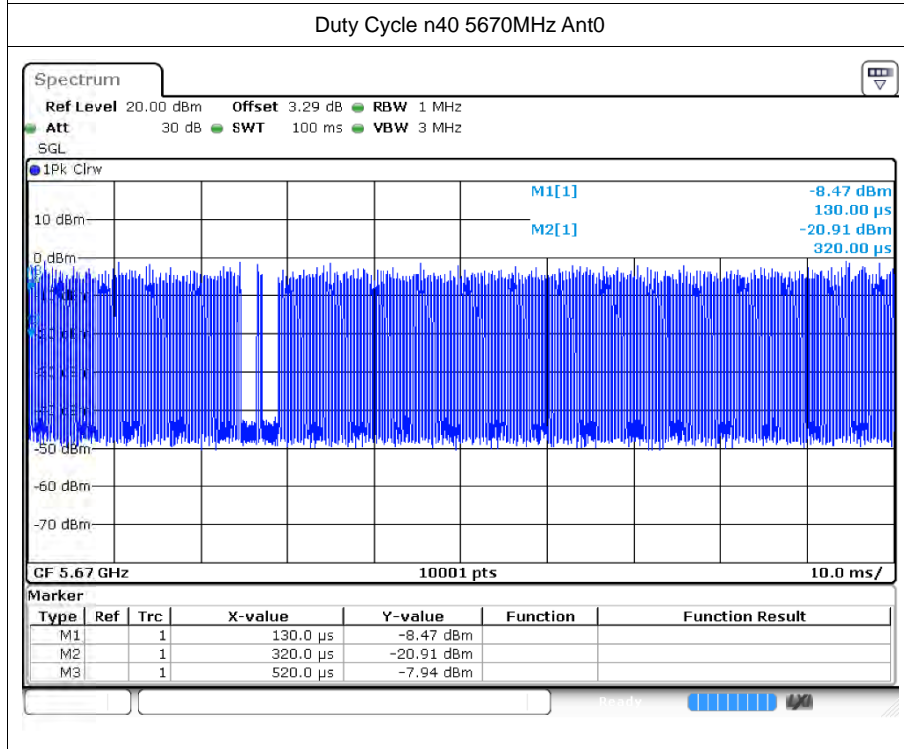
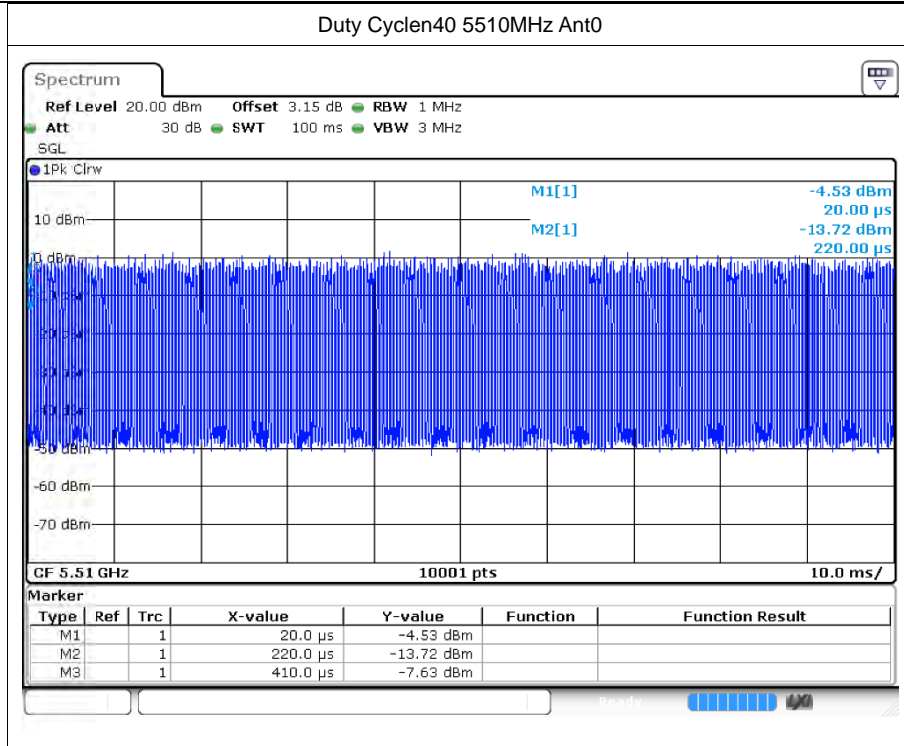


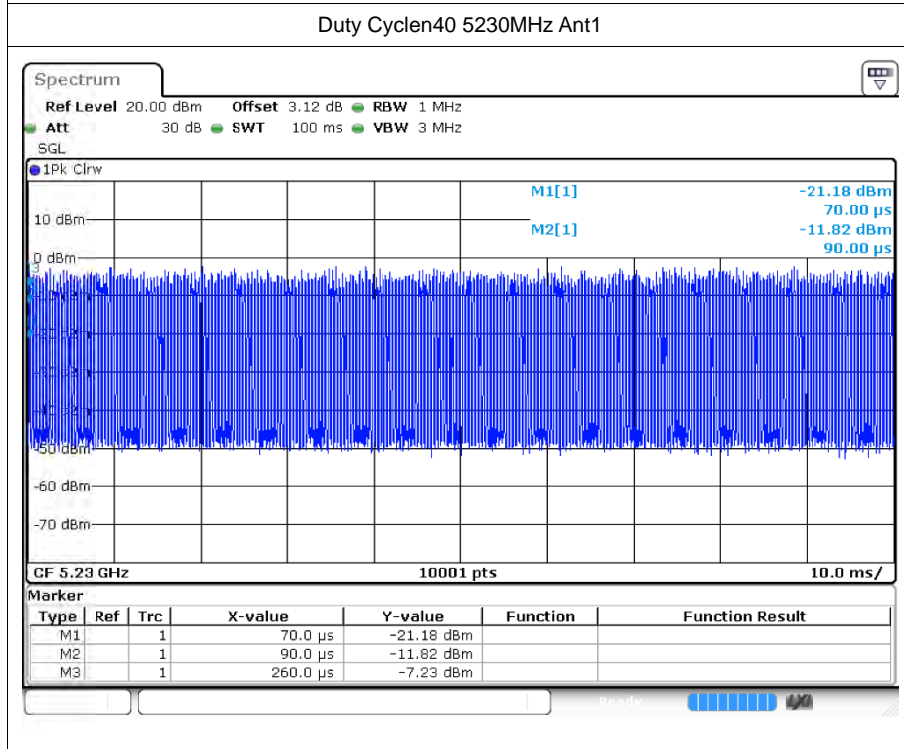
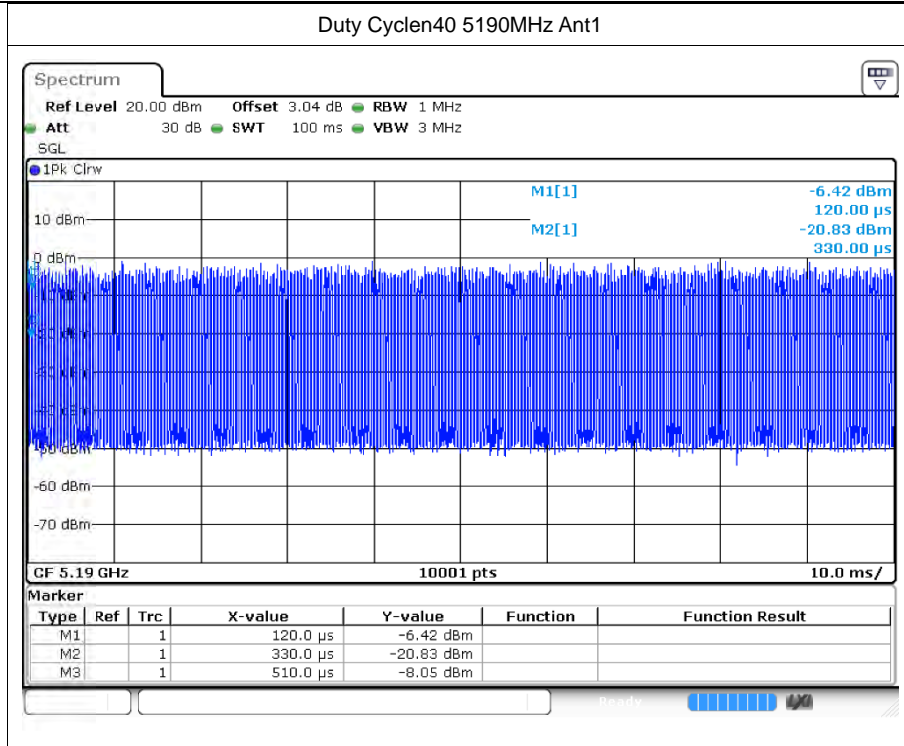


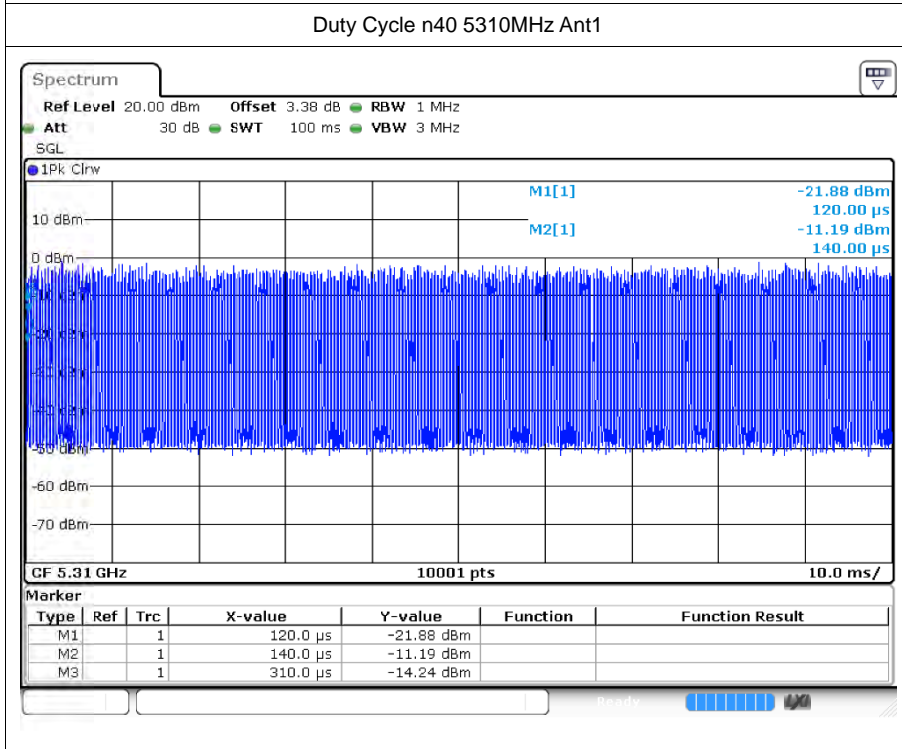
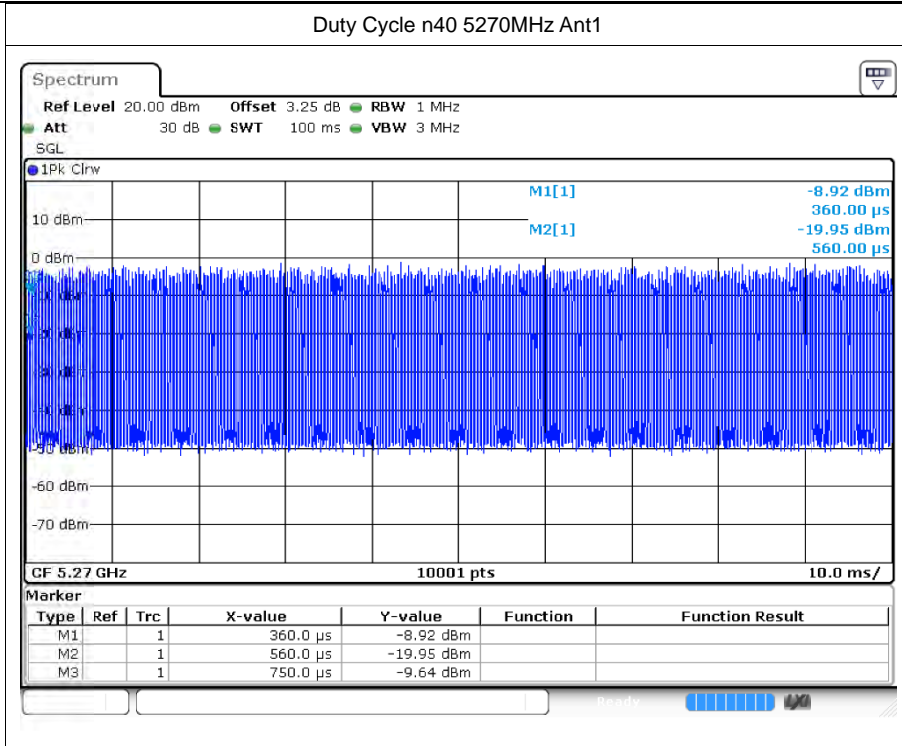


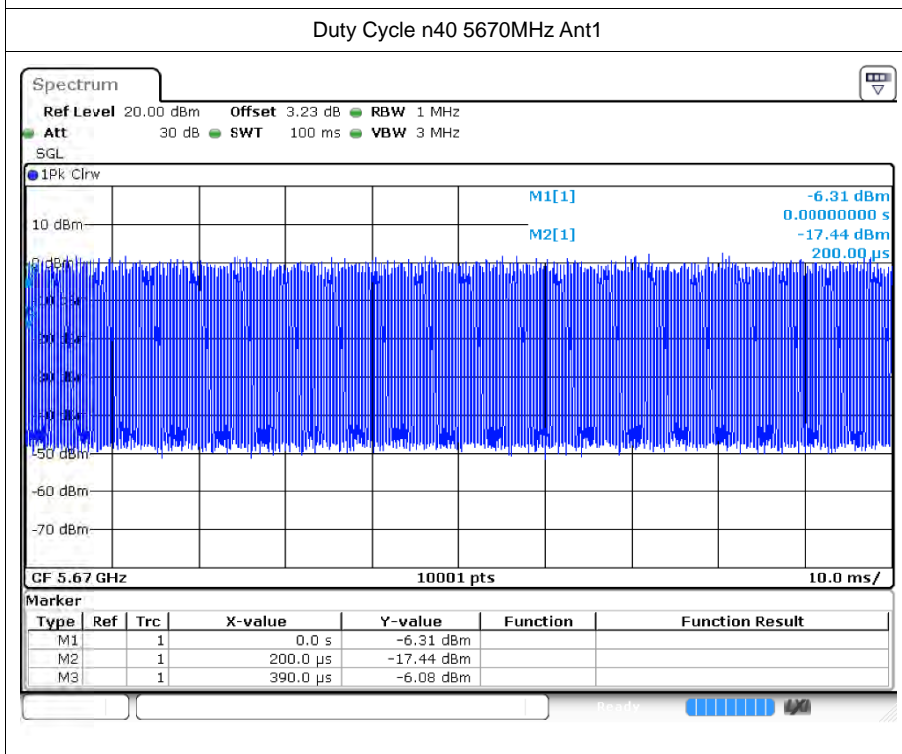
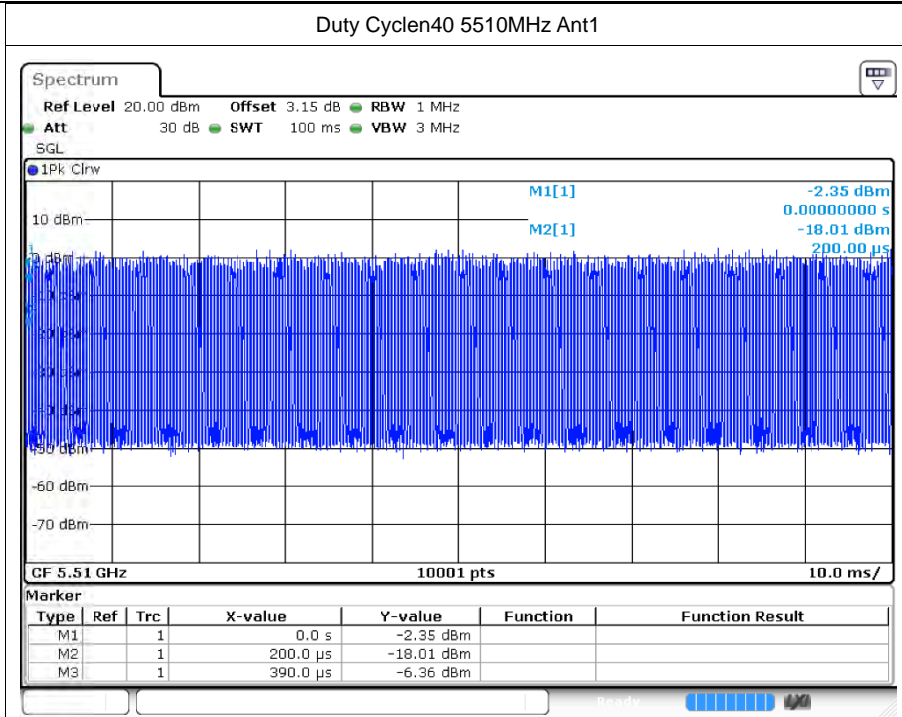


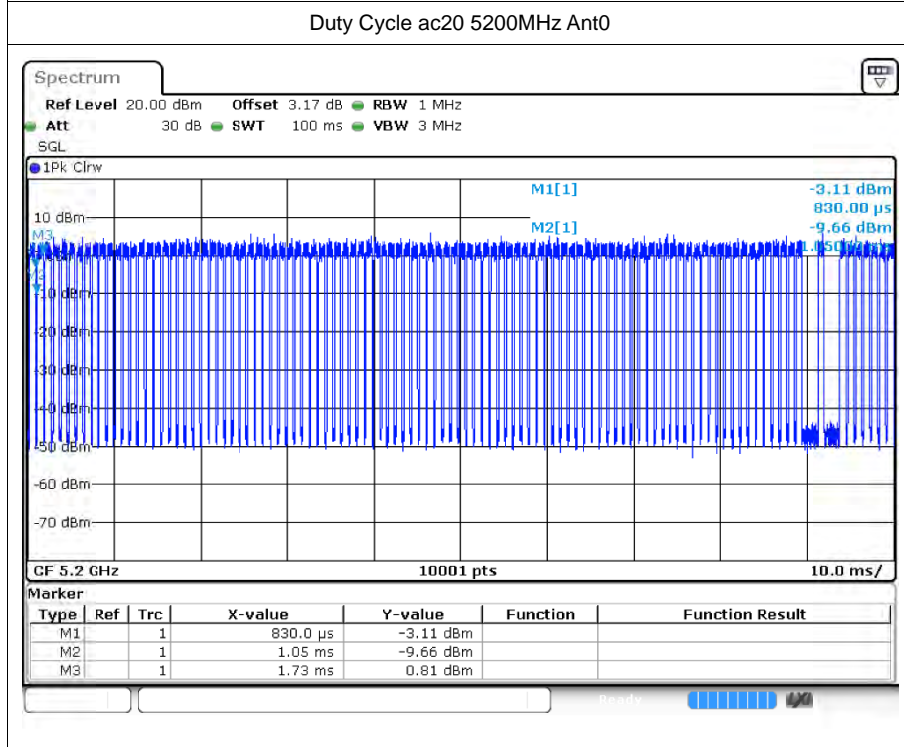
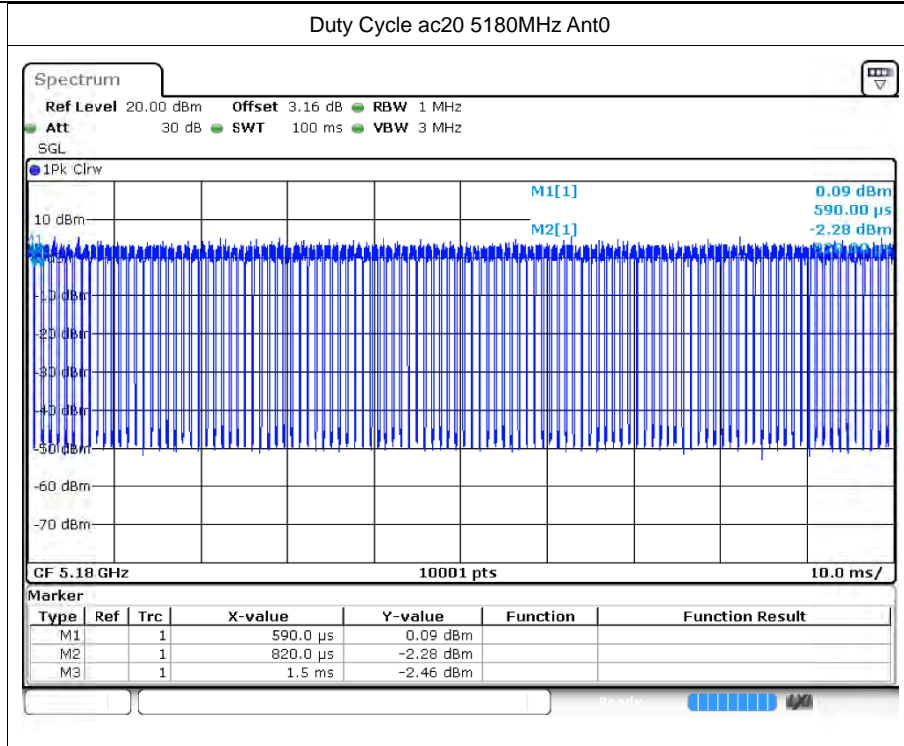


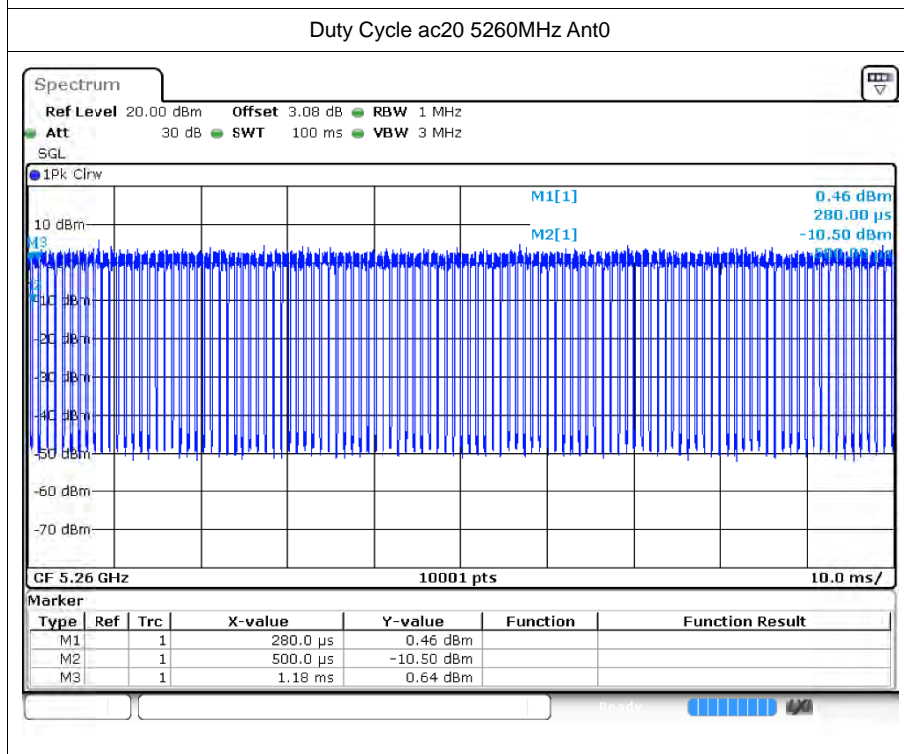
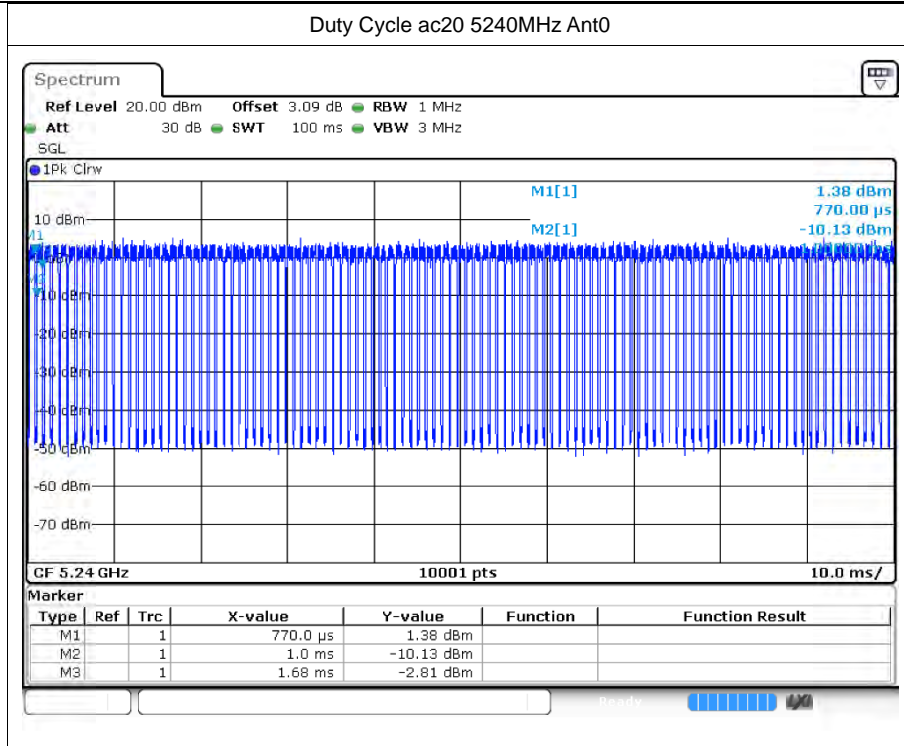


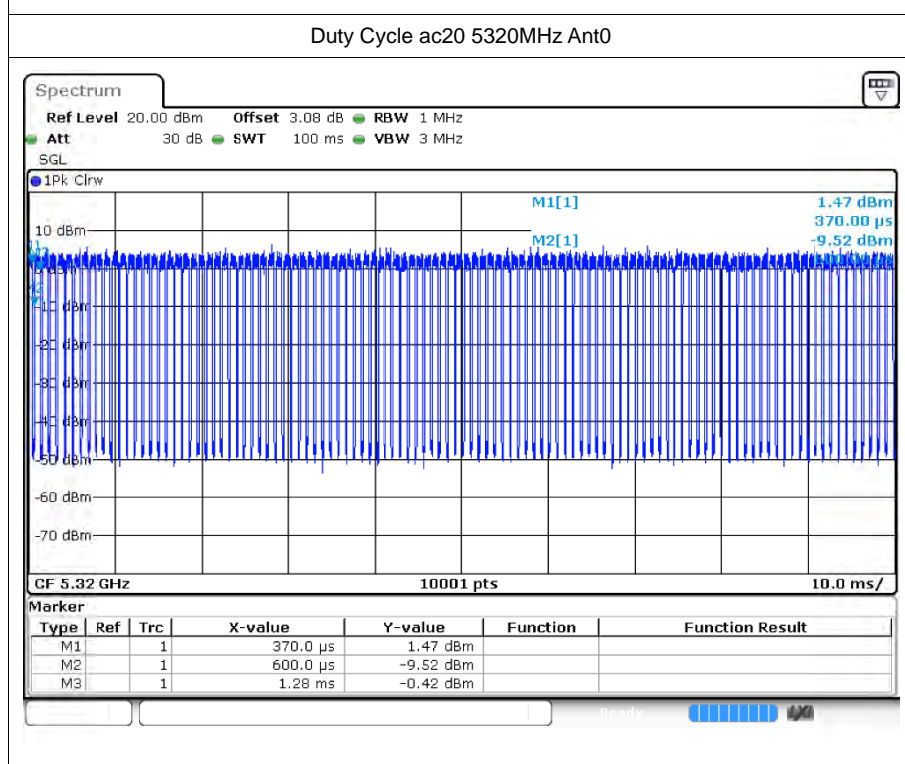
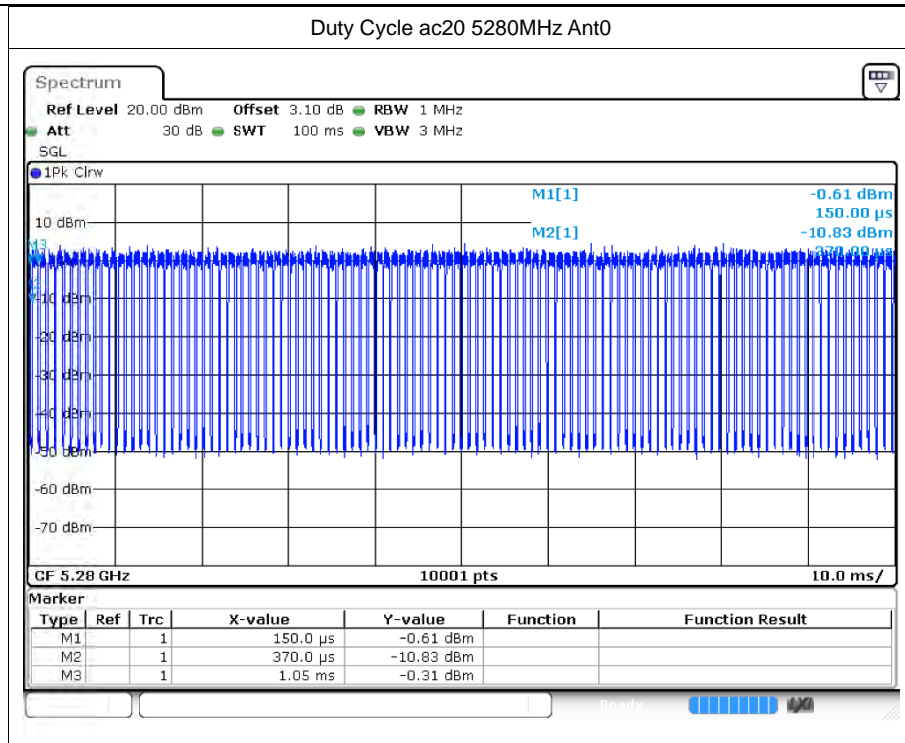


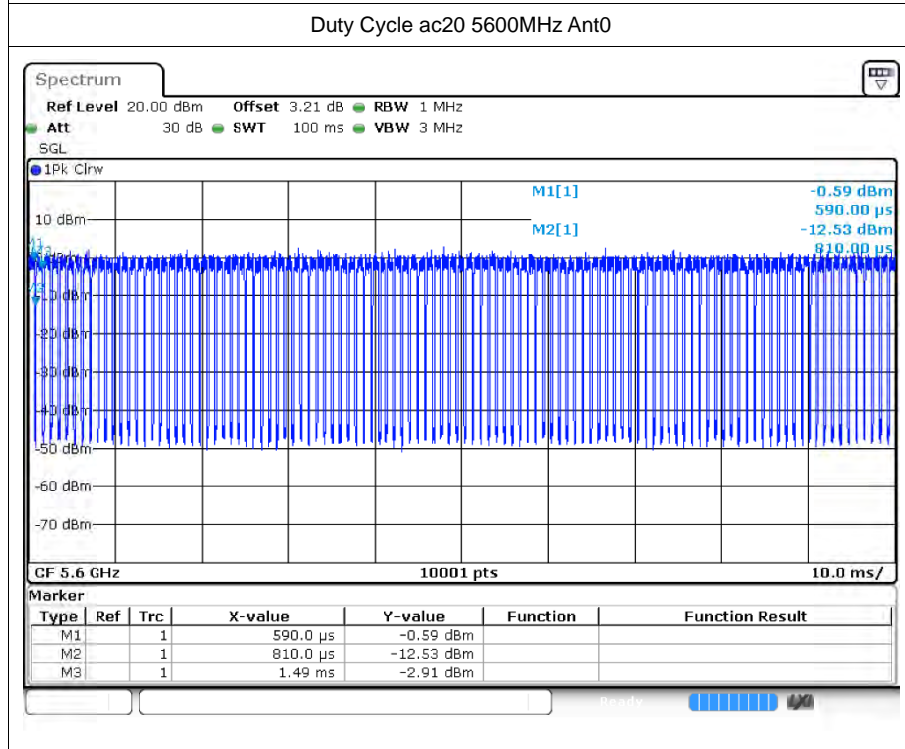
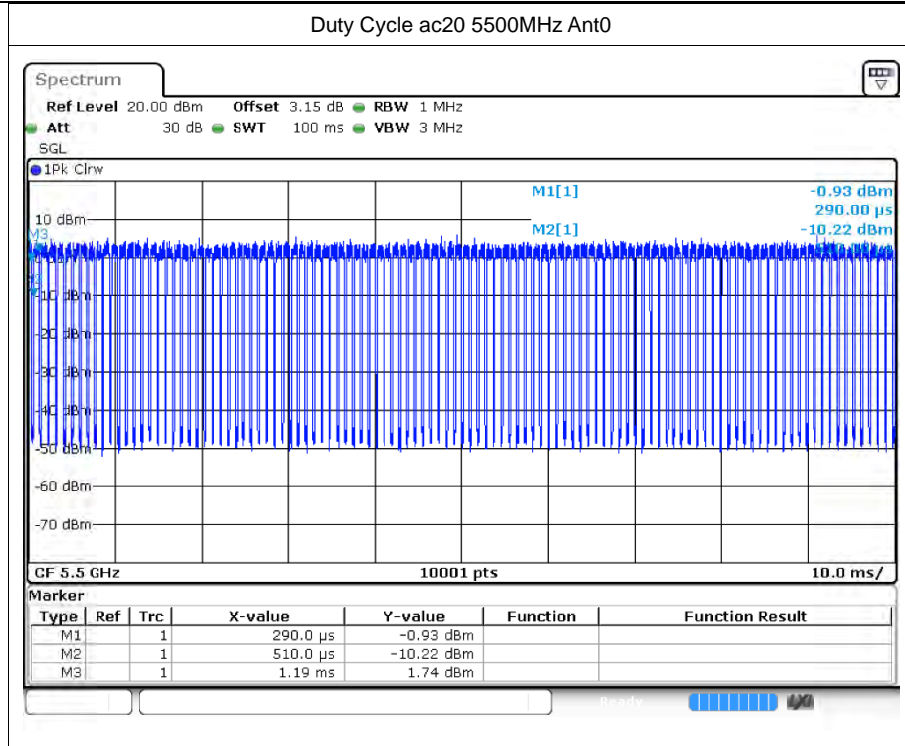


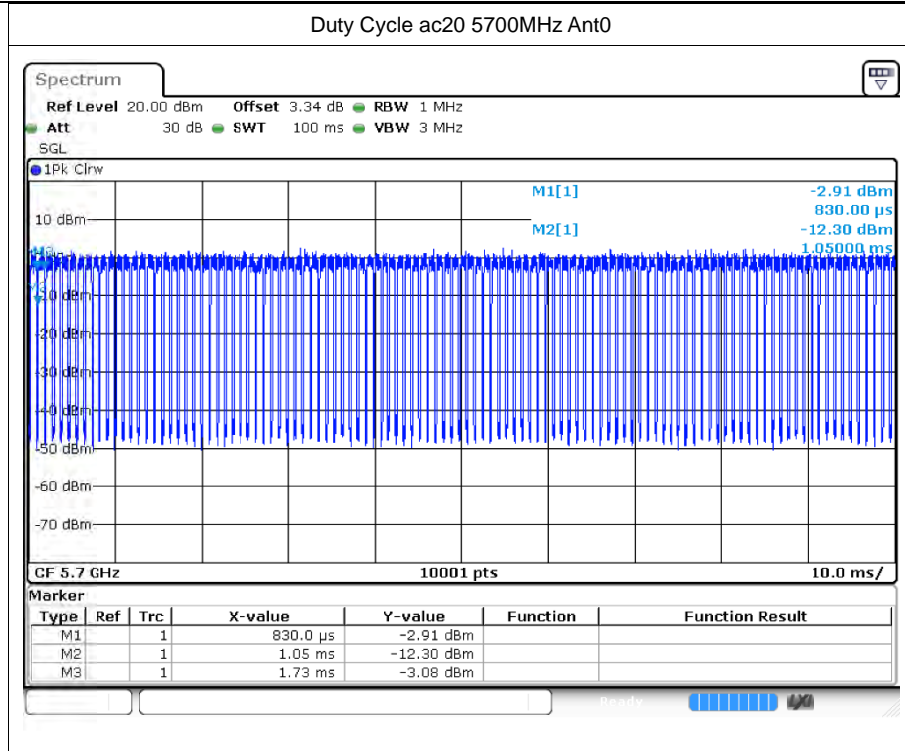






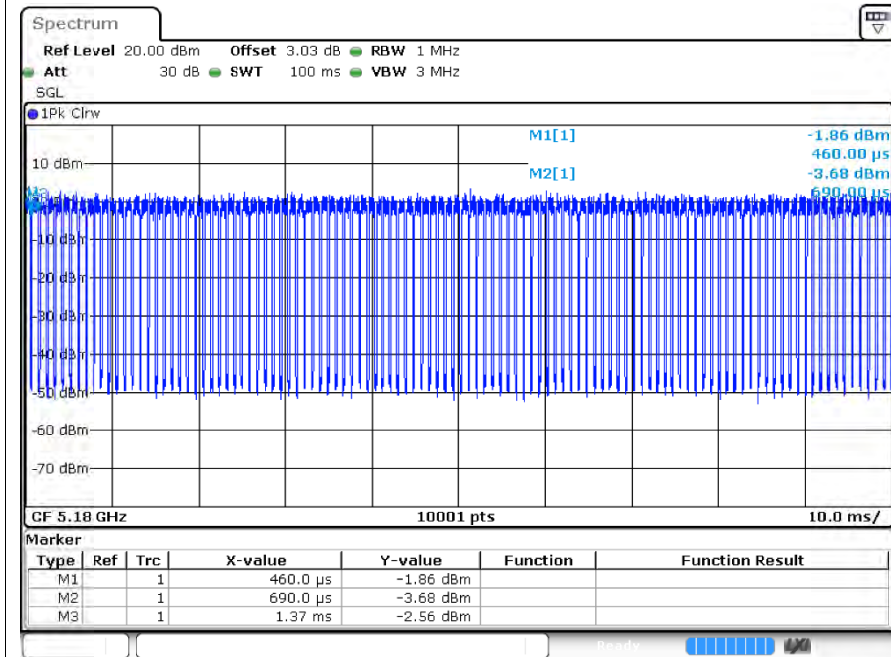




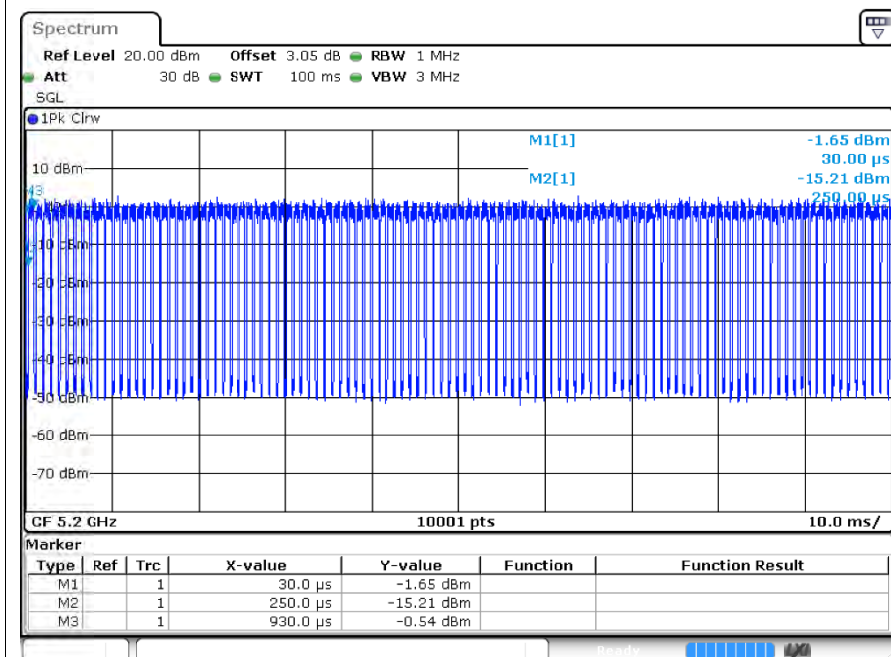


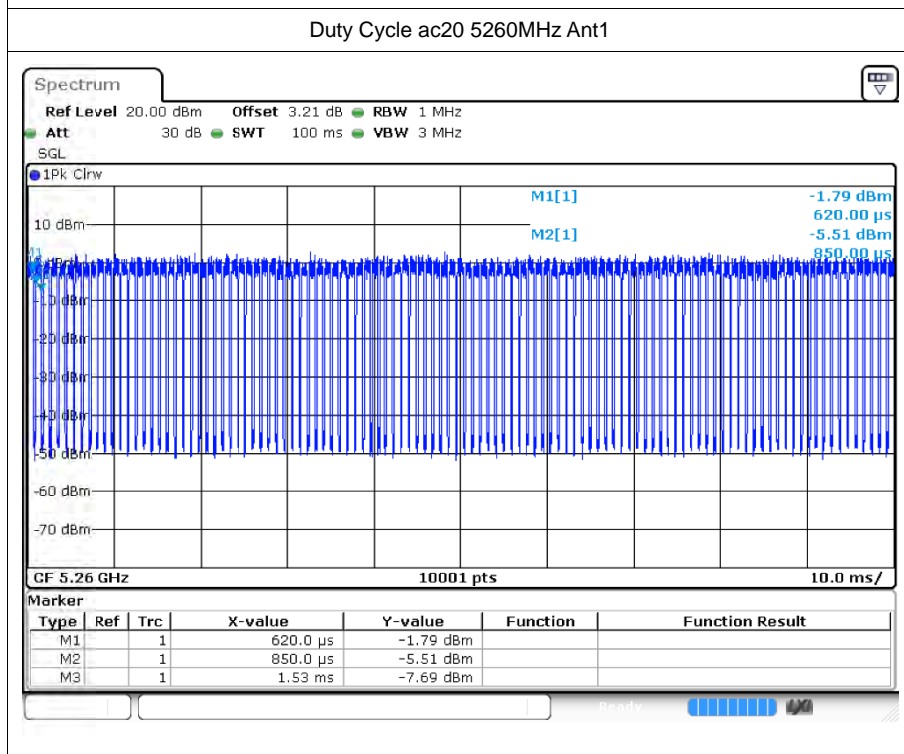
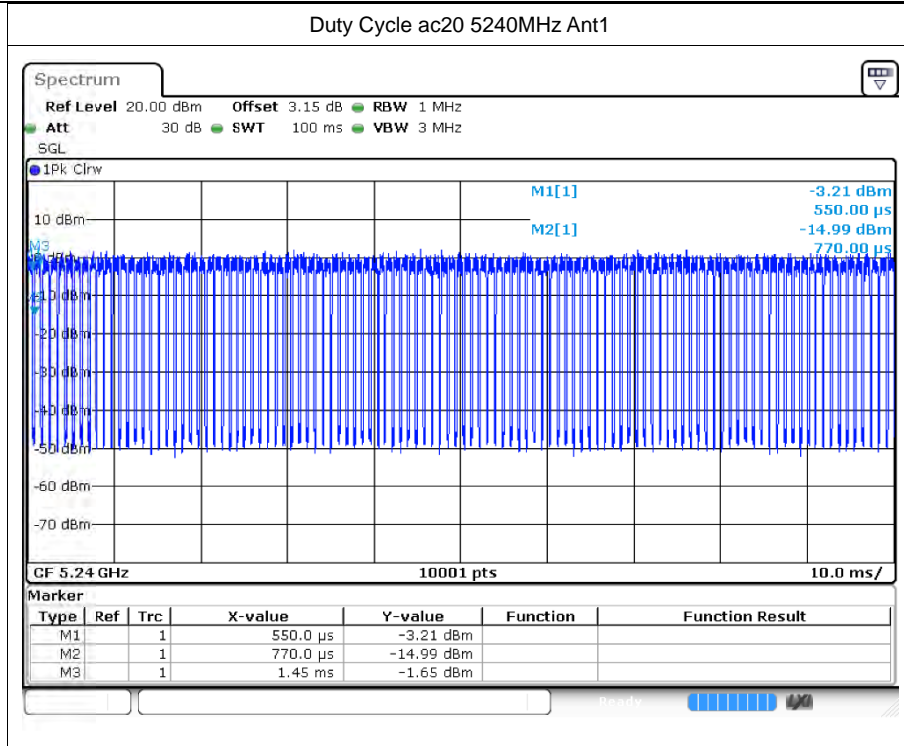


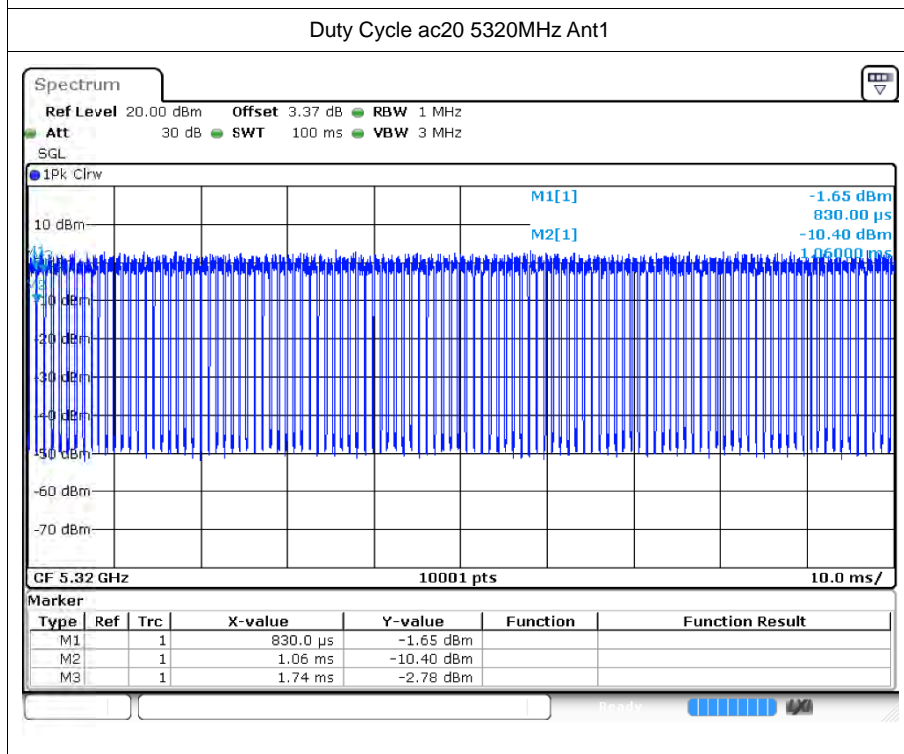
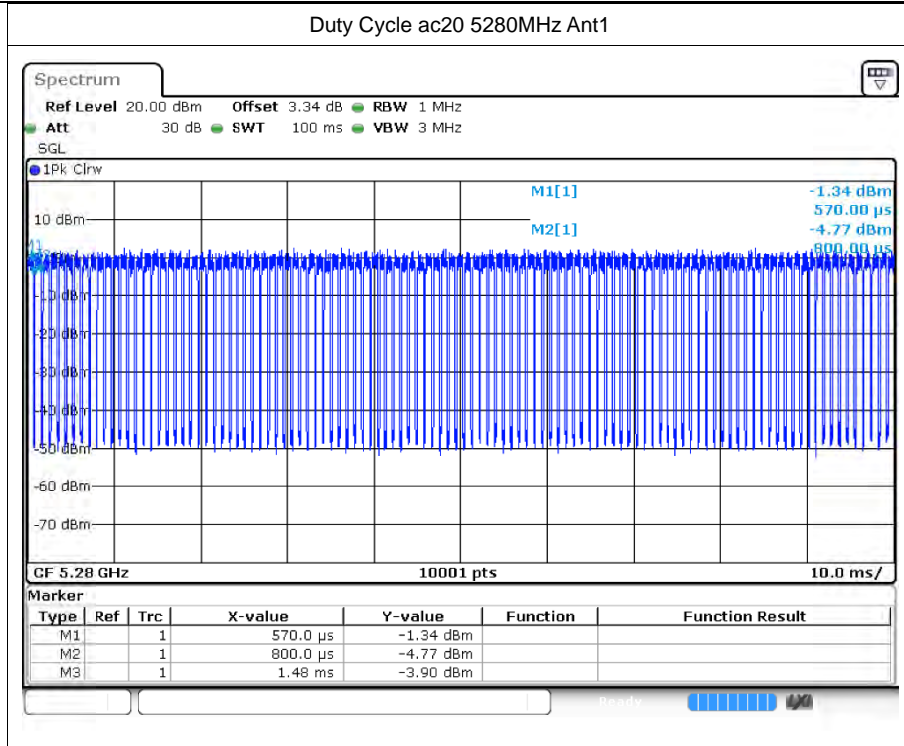
Duty Cycle ac20 5180MHz Ant1

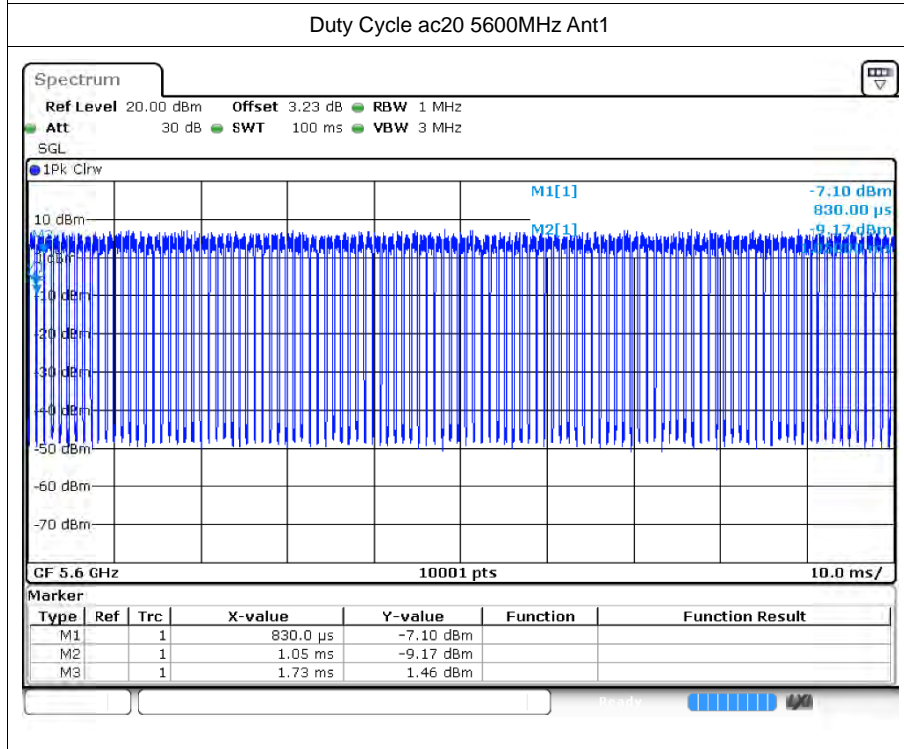
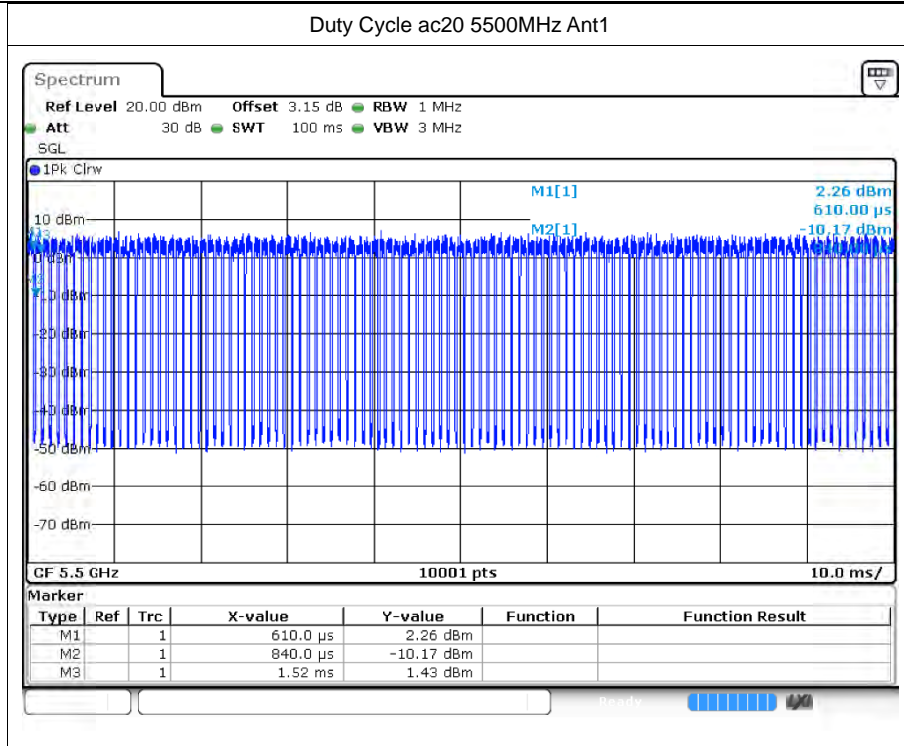


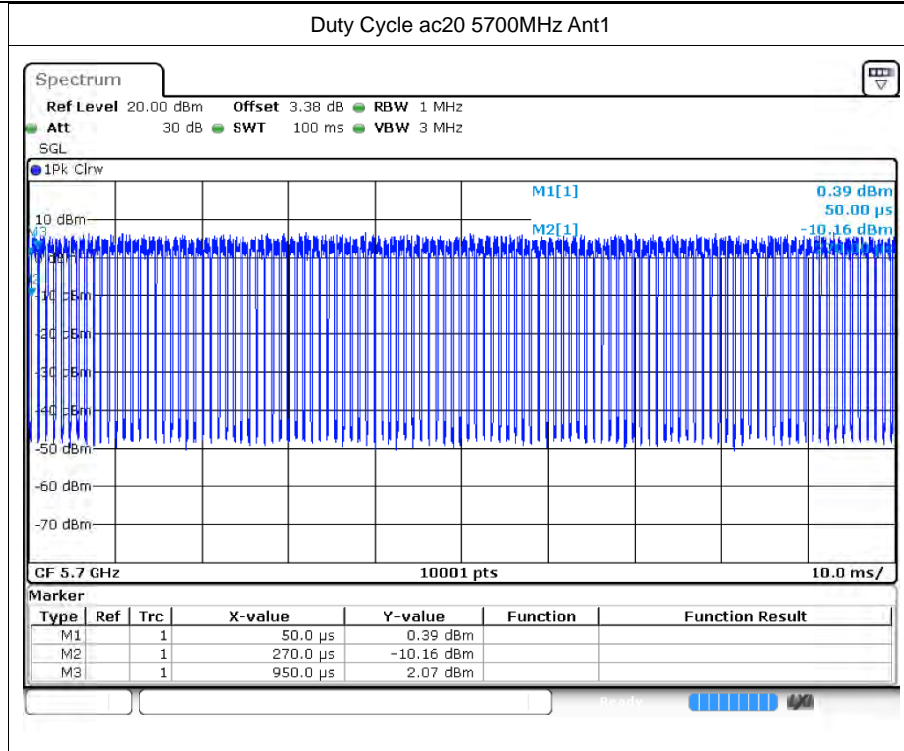
Duty Cycle ac20 5200MHz Ant1

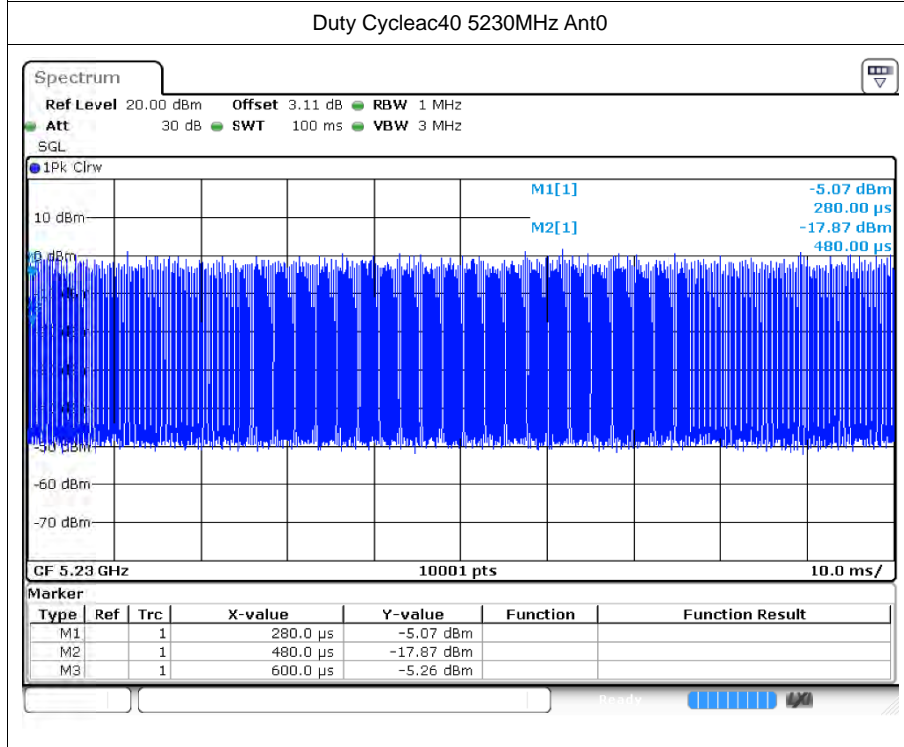
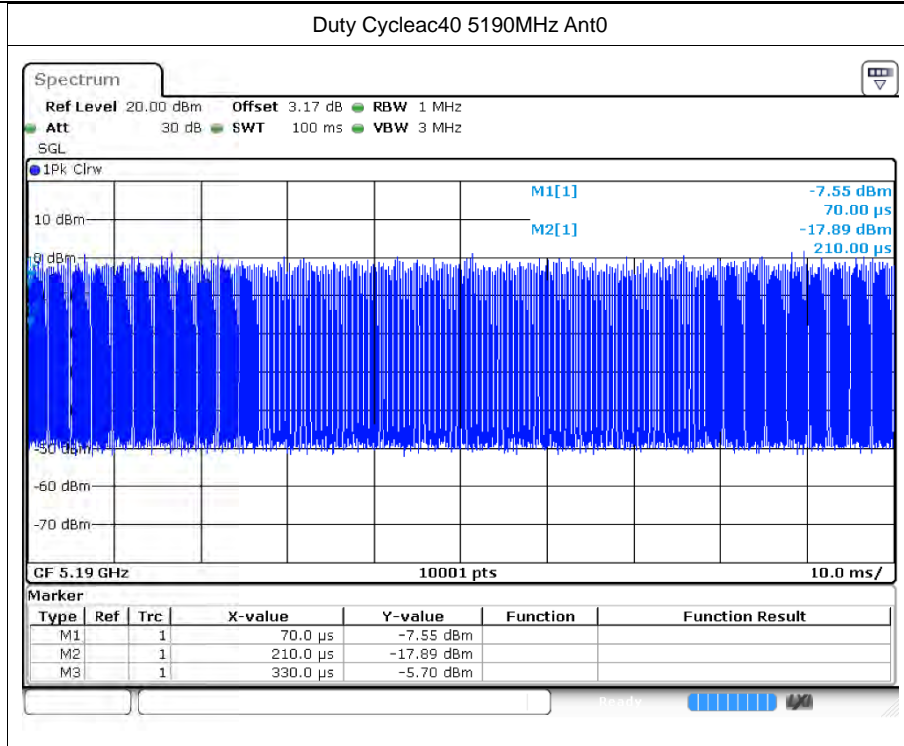






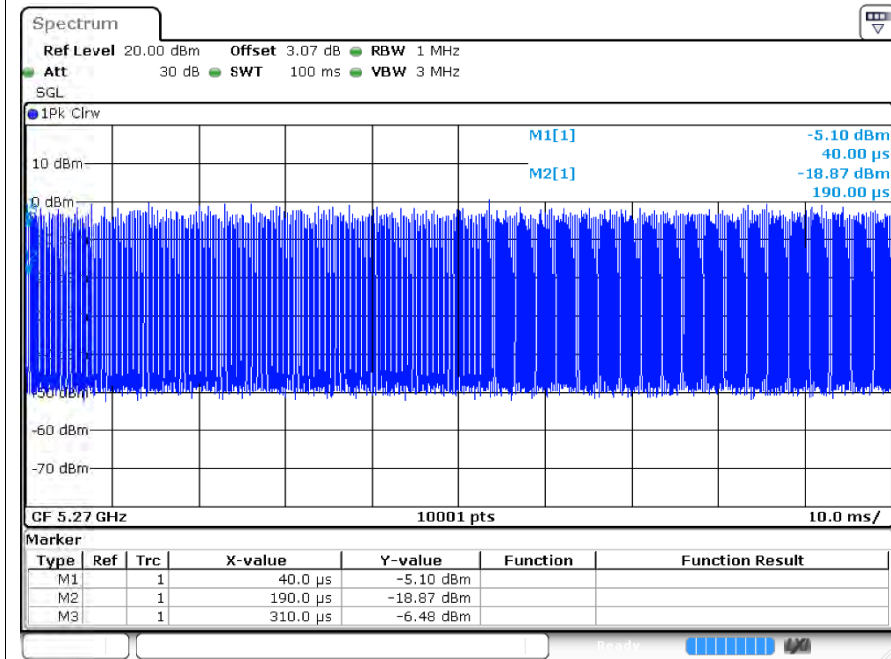








Duty Cycle ac40 5270MHz Ant0



Duty Cycle ac40 5310MHz Ant0

