



## Appendix D

### RF Test Data for B1WIFI(Conducted Measurement)

Product Name: Mini PC

Trade Mark: 2BQM5-N30

Test Model: N30

#### Environmental Conditions

|                    |             |
|--------------------|-------------|
| Temperature:       | 24.6° 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

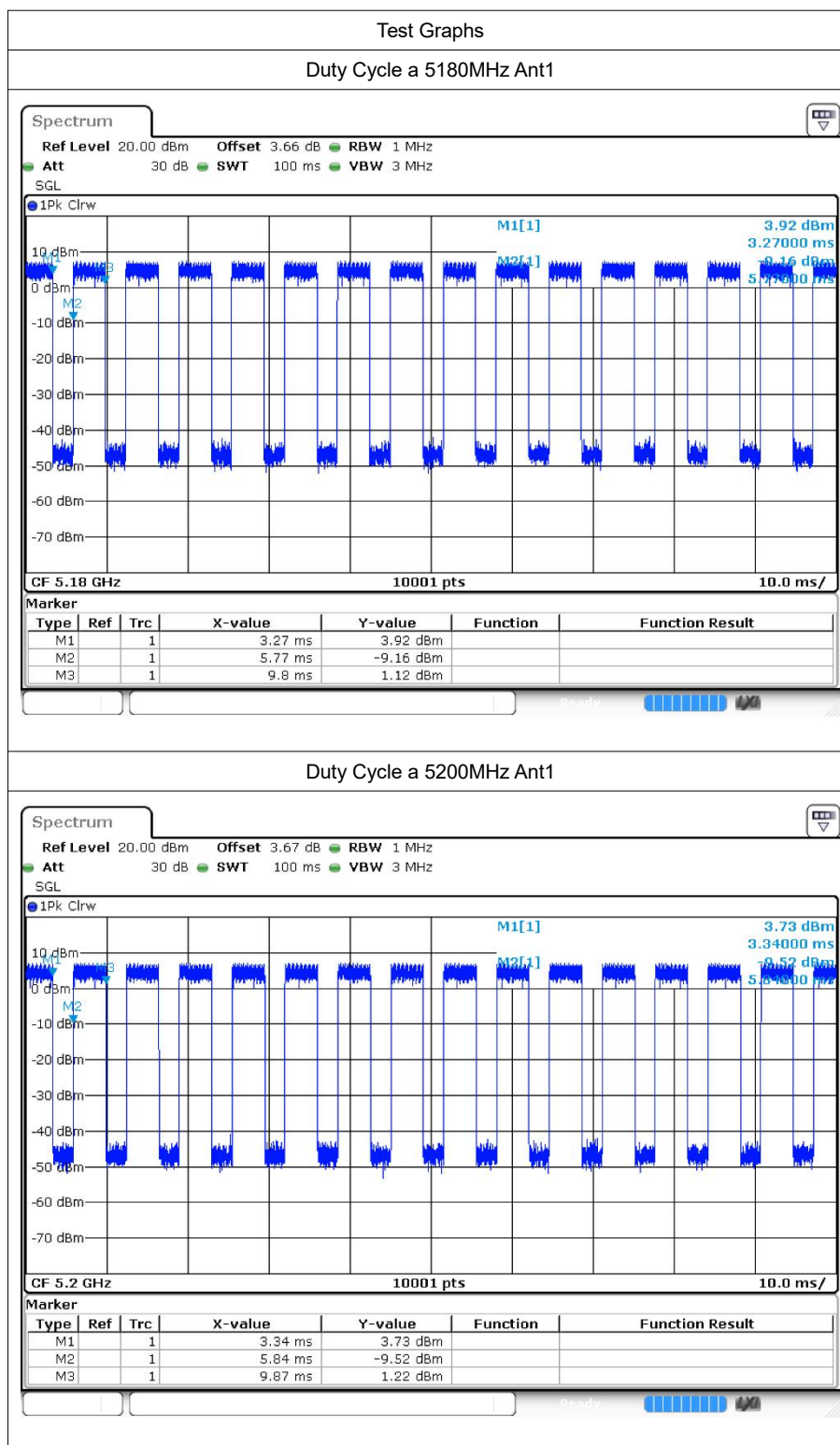
## 1.1 Test Result

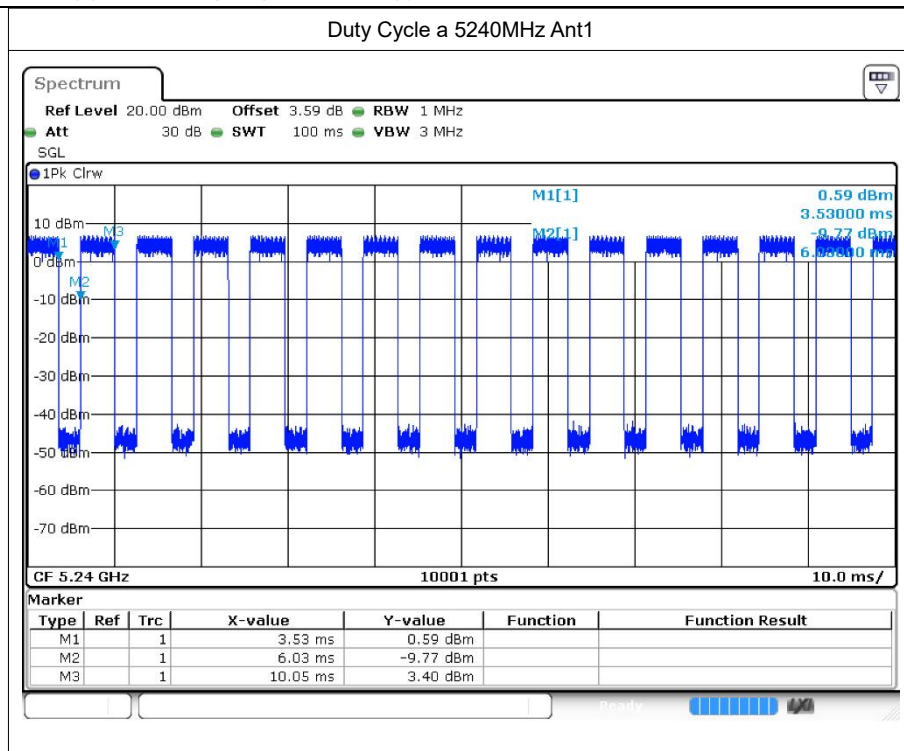
| Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|------|-----------------|---------|----------------|------------------------|-----------|
| a    | 5180            | Ant1    | 62.62          | 2.03                   | 0.25      |
| a    | 5200            | Ant1    | 62.61          | 2.03                   | 0.25      |
| a    | 5240            | Ant1    | 62.63          | 2.03                   | 0.25      |
| a    | 5180            | Ant2    | 62.61          | 2.03                   | 0.25      |
| a    | 5200            | Ant2    | 61.9           | 2.08                   | 0.25      |
| a    | 5240            | Ant2    | 62.64          | 2.03                   | 0.25      |
| n20  | 5180            | Ant1    | 60.13          | 2.21                   | 0.27      |
| n20  | 5200            | Ant1    | 60.13          | 2.21                   | 0.27      |
| n20  | 5240            | Ant1    | 59.87          | 2.23                   | 0.27      |
| n20  | 5180            | Ant2    | 60.13          | 2.21                   | 0.27      |
| n20  | 5200            | Ant2    | 60.14          | 2.21                   | 0.27      |
| n20  | 5240            | Ant2    | 60.14          | 2.21                   | 0.27      |
| n40  | 5190            | Ant1    | 59.9           | 2.23                   | 0.28      |
| n40  | 5230            | Ant1    | 58.66          | 2.32                   | 0.28      |
| n40  | 5190            | Ant2    | 58.32          | 2.34                   | 0.28      |
| n40  | 5230            | Ant2    | 58.62          | 2.32                   | 0.28      |
| ac20 | 5180            | Ant1    | 60.13          | 2.21                   | 0.27      |
| ac20 | 5200            | Ant1    | 60.14          | 2.21                   | 0.27      |
| ac20 | 5240            | Ant1    | 60.13          | 2.21                   | 0.27      |
| ac20 | 5180            | Ant2    | 59.95          | 2.22                   | 0.27      |
| ac20 | 5200            | Ant2    | 59.94          | 2.22                   | 0.27      |
| ac20 | 5240            | Ant2    | 59.95          | 2.22                   | 0.27      |
| ac40 | 5190            | Ant1    | 58.42          | 2.33                   | 0.28      |
| ac40 | 5230            | Ant1    | 58.61          | 2.32                   | 0.28      |
| ac40 | 5190            | Ant2    | 59.48          | 2.26                   | 0.28      |
| ac40 | 5230            | Ant2    | 59.76          | 2.24                   | 0.28      |
| ac80 | 5210            | Ant1    | 57.47          | 2.41                   | 0.3       |
| ac80 | 5210            | Ant2    | 57.02          | 2.44                   | 0.3       |
| ax20 | 5180            | Ant1    | 57.64          | 2.39                   | 0.3       |
| ax20 | 5200            | Ant1    | 57.63          | 2.39                   | 0.3       |
| ax20 | 5240            | Ant1    | 57.65          | 2.39                   | 0.3       |
| ax20 | 5180            | Ant2    | 57.63          | 2.39                   | 0.3       |
| ax20 | 5200            | Ant2    | 57.22          | 2.42                   | 0.3       |
| ax20 | 5240            | Ant2    | 57.21          | 2.42                   | 0.3       |
| ax40 | 5190            | Ant1    | 57.01          | 2.44                   | 0.3       |
| ax40 | 5230            | Ant1    | 57.01          | 2.44                   | 0.3       |
| ax40 | 5190            | Ant2    | 57.65          | 2.39                   | 0.3       |



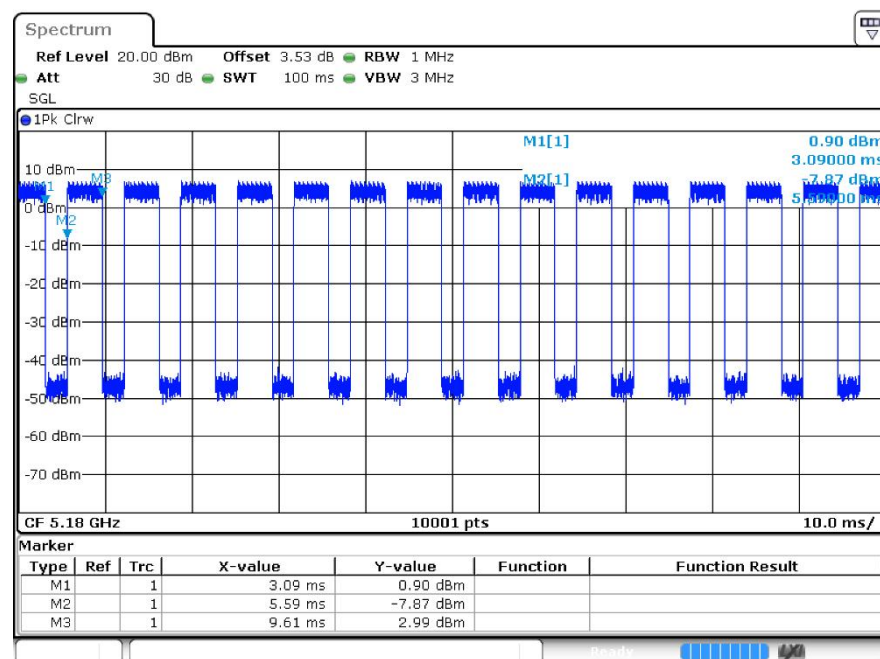
|      |      |      |       |      |      |
|------|------|------|-------|------|------|
| ax40 | 5230 | Ant2 | 57.15 | 2.43 | 0.3  |
| ax80 | 5210 | Ant1 | 57.21 | 2.42 | 0.31 |
| ax80 | 5210 | Ant2 | 56.93 | 2.45 | 0.31 |

## 1.2 Test Graphs

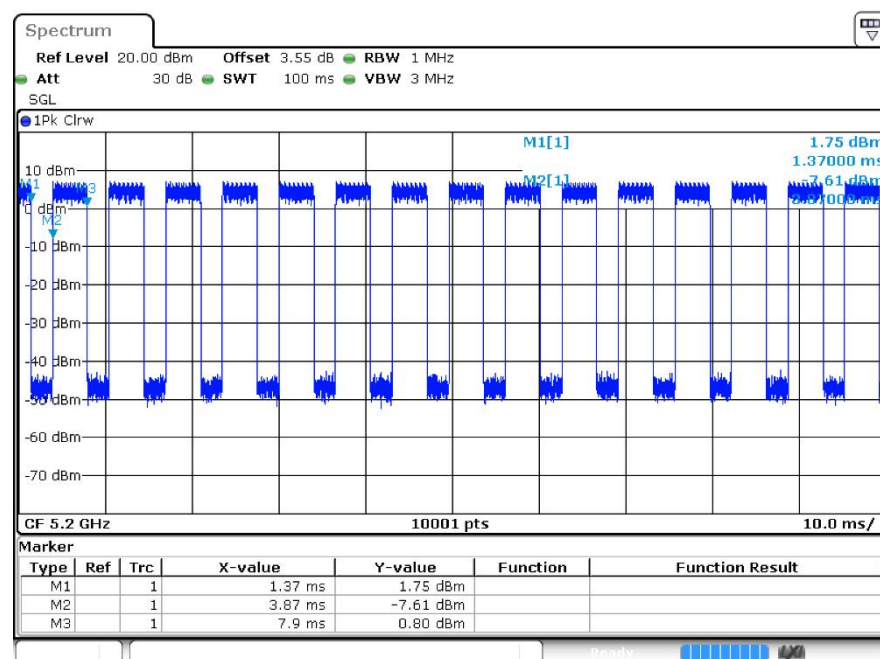


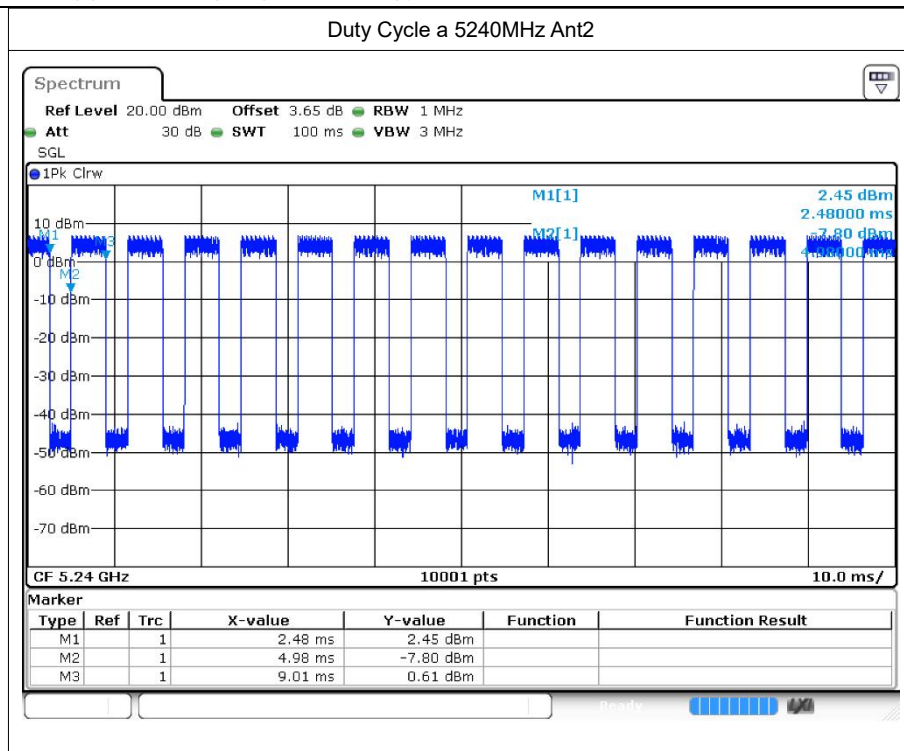


## Duty Cycle a 5180MHz Ant2

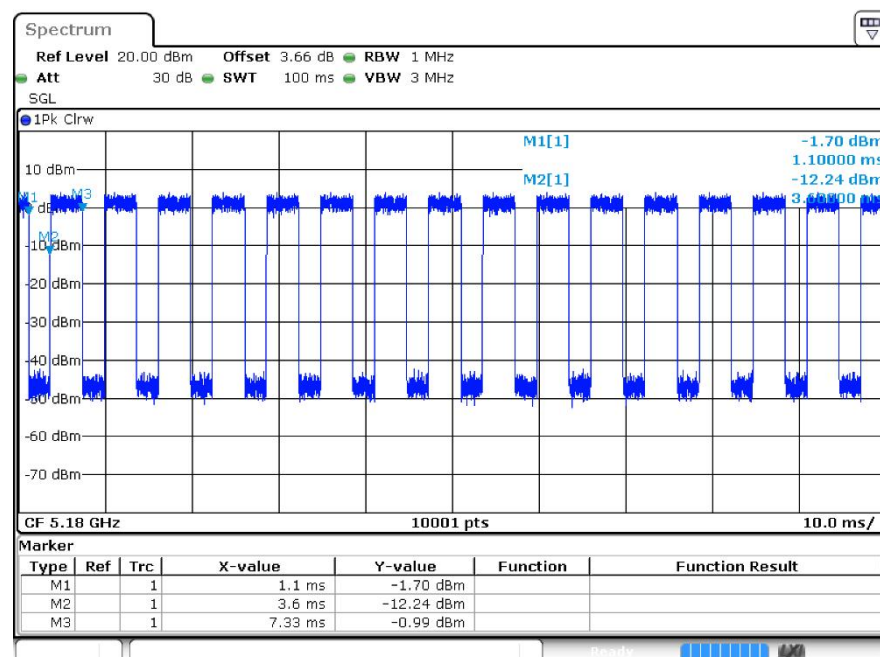


## Duty Cycle a 5200MHz Ant2

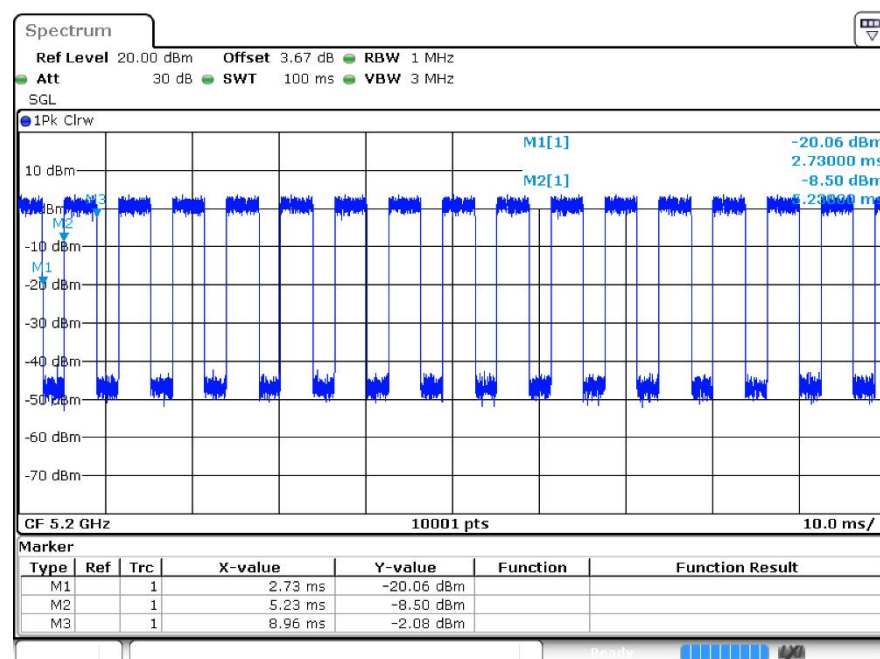


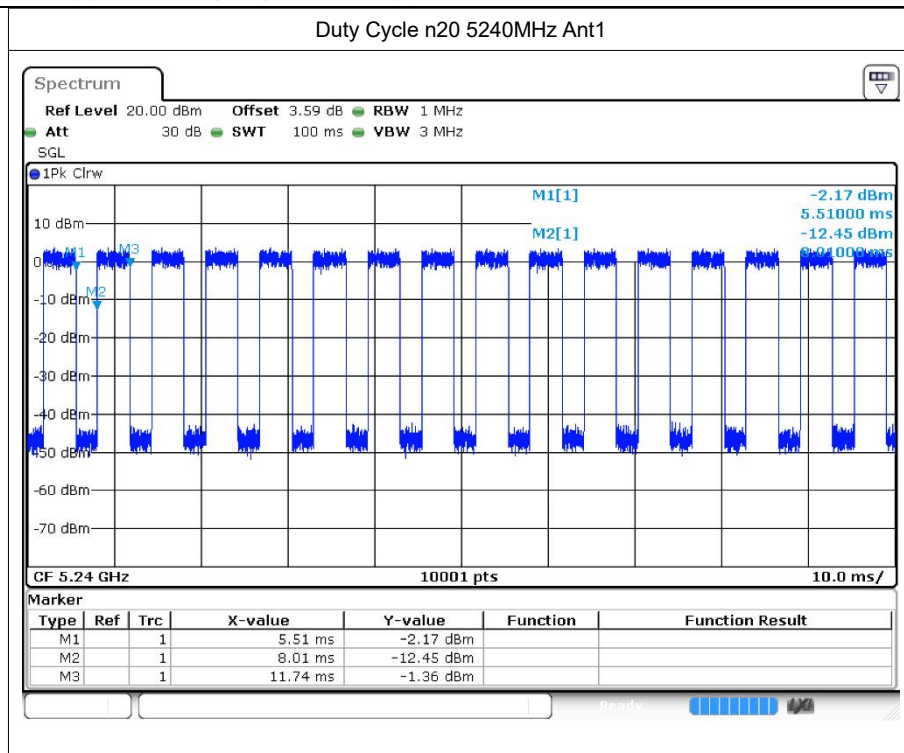


## Duty Cycle n20 5180MHz Ant1

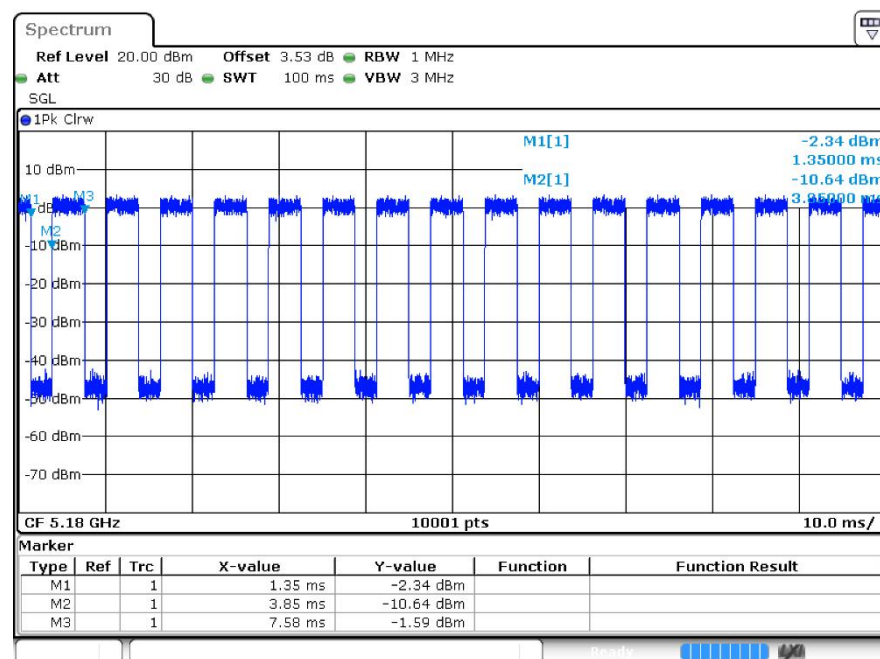


## Duty Cycle n20 5200MHz Ant1

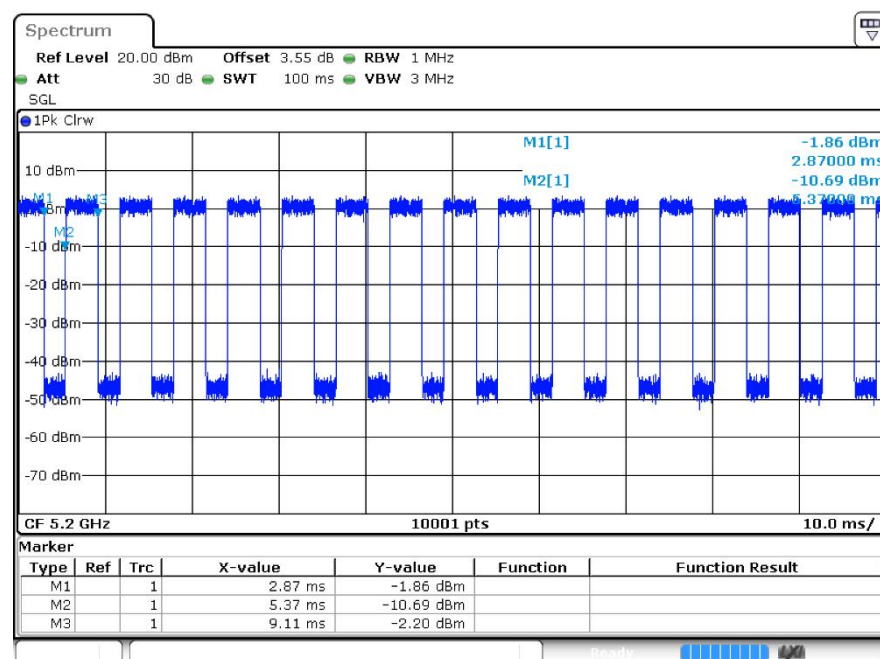


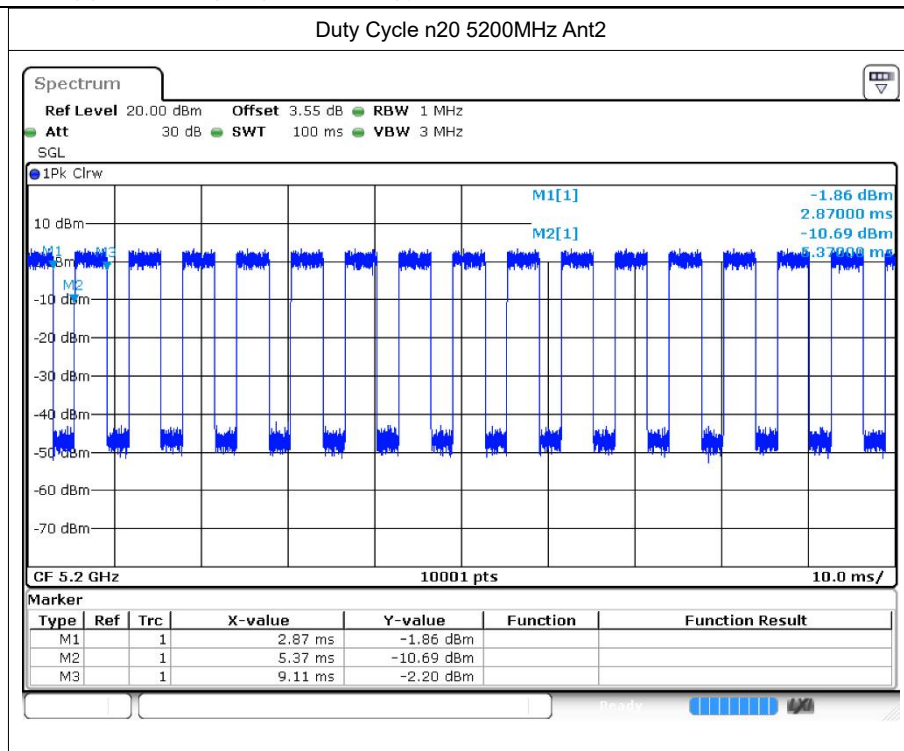


## Duty Cycle n20 5180MHz Ant2

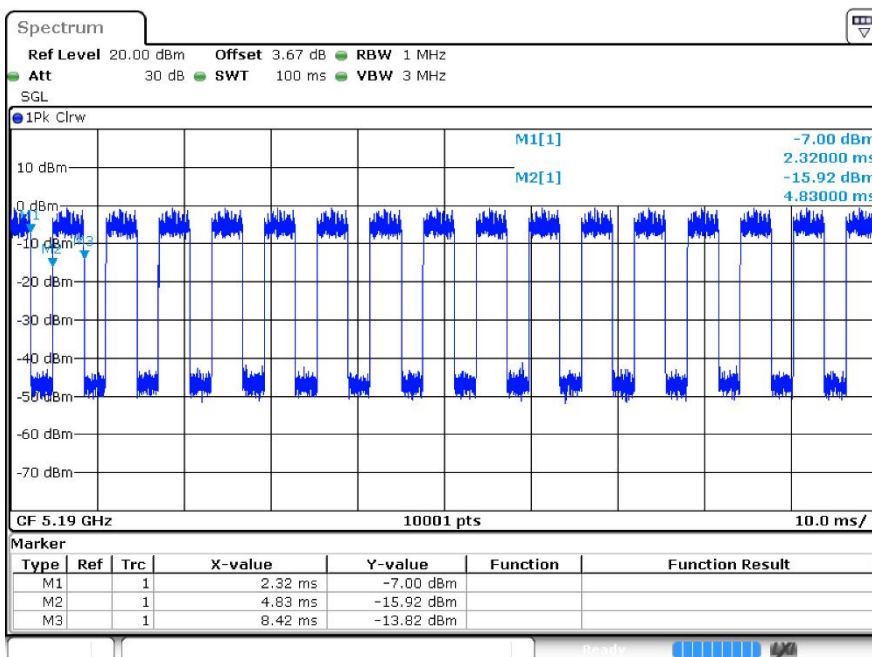


## Duty Cycle n20 5200MHz Ant2

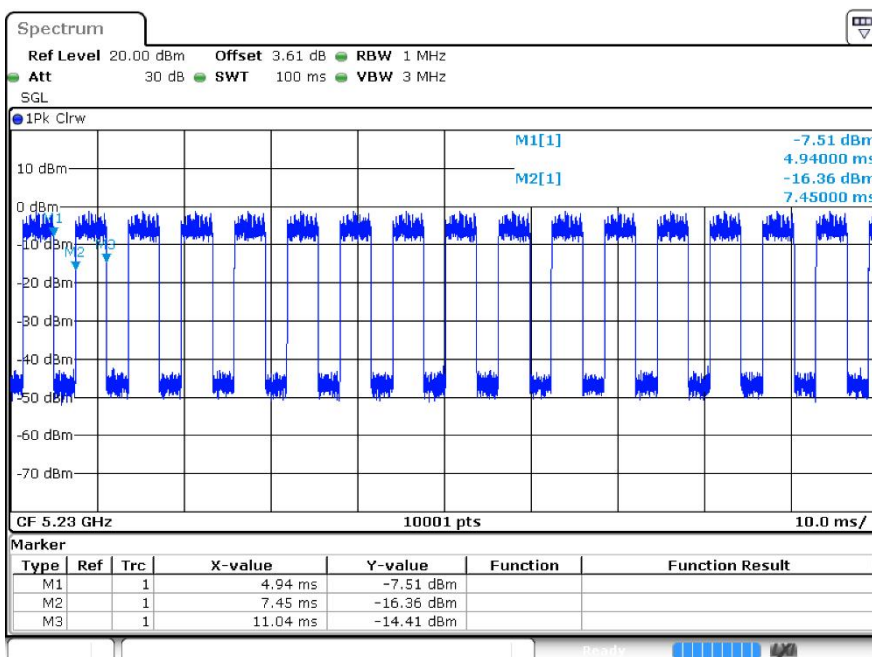




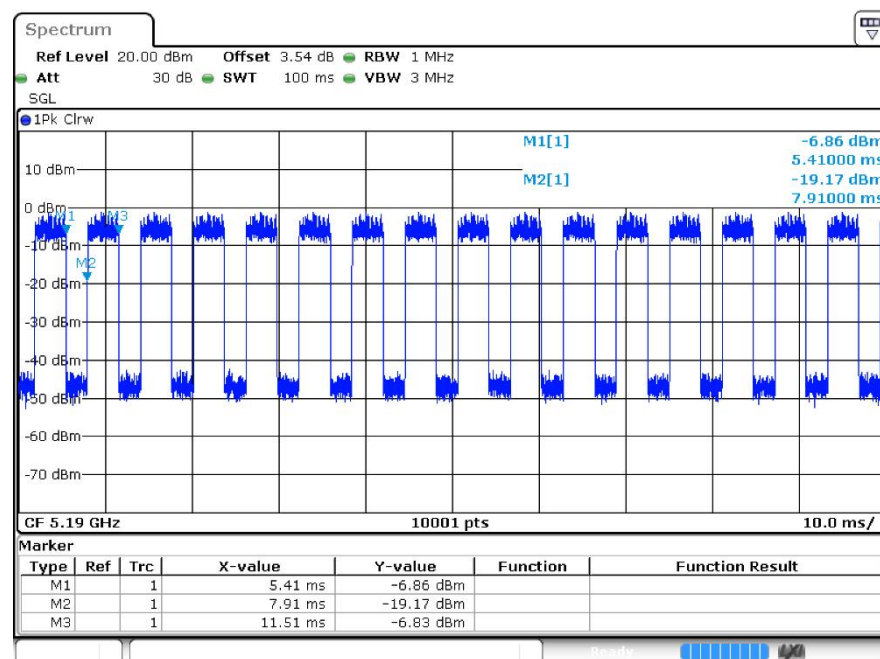
## Duty Cycle n40 5190MHz Ant1



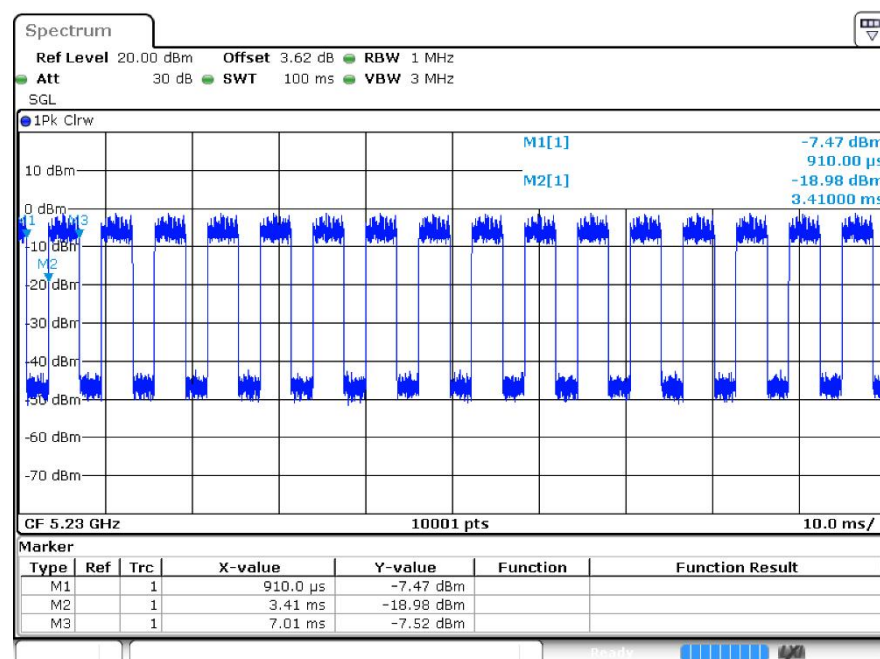
## Duty Cycle n40 5230MHz Ant1



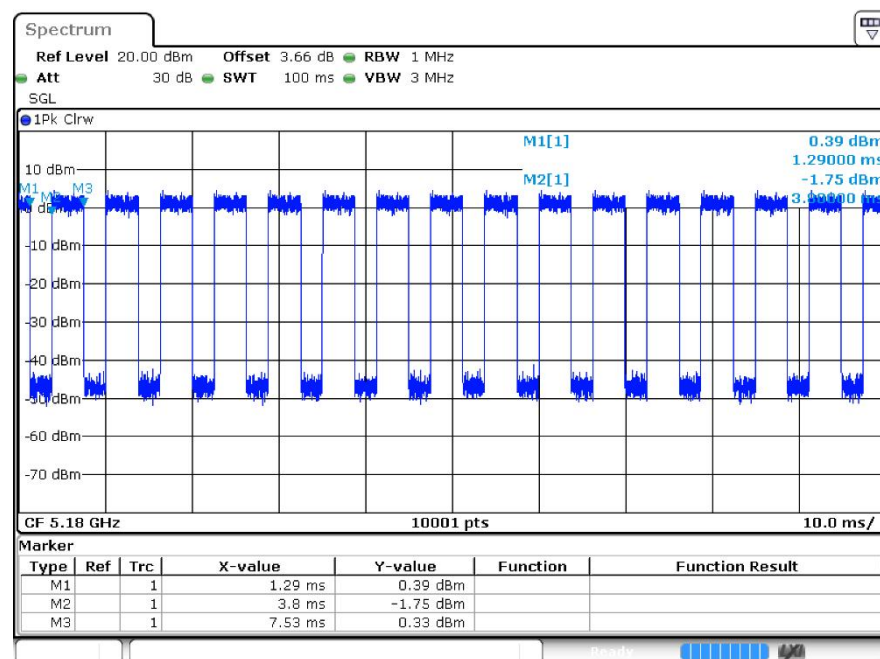
## Duty Cycle n40 5190MHz Ant2



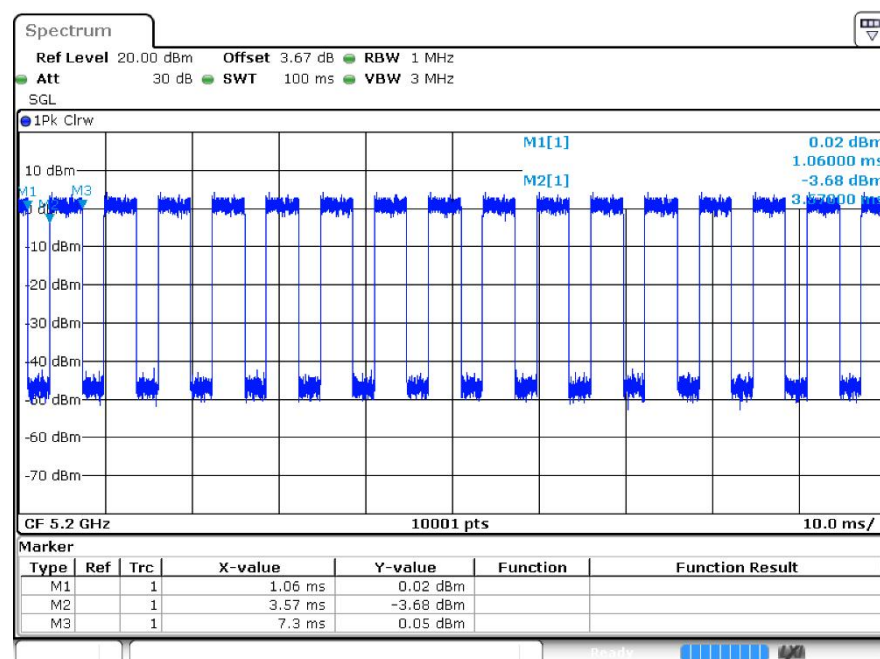
## Duty Cycle n40 5230MHz Ant2

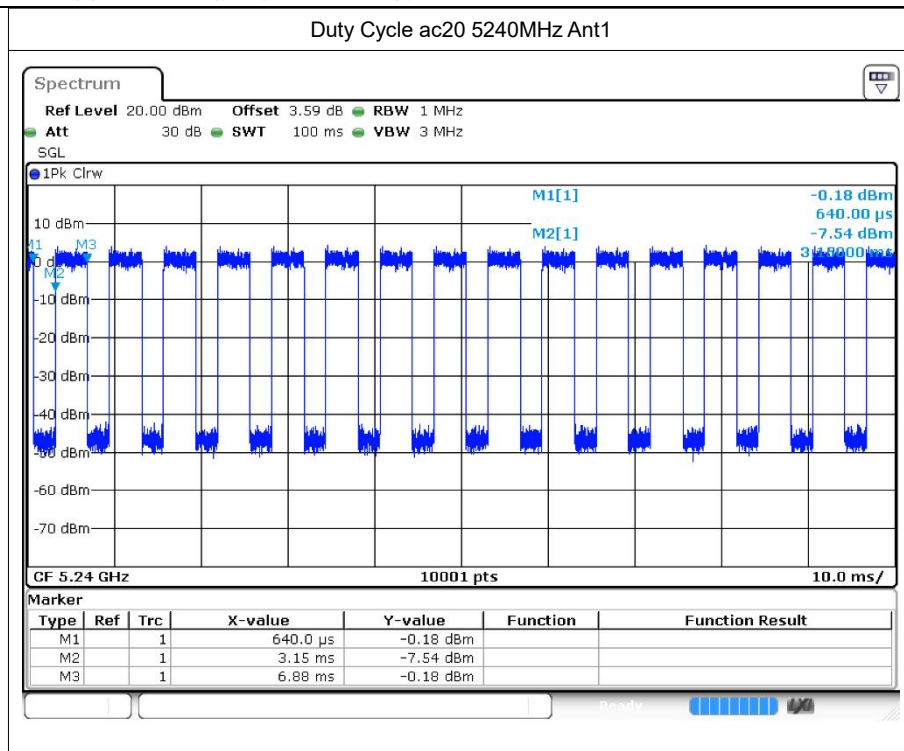


## Duty Cycle ac20 5180MHz Ant1

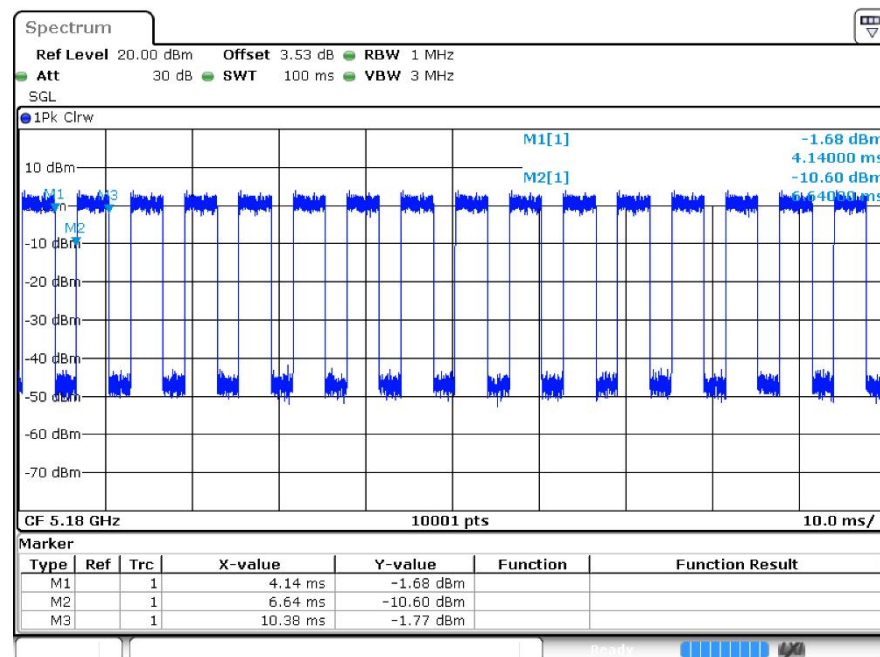


## Duty Cycle ac20 5200MHz Ant1

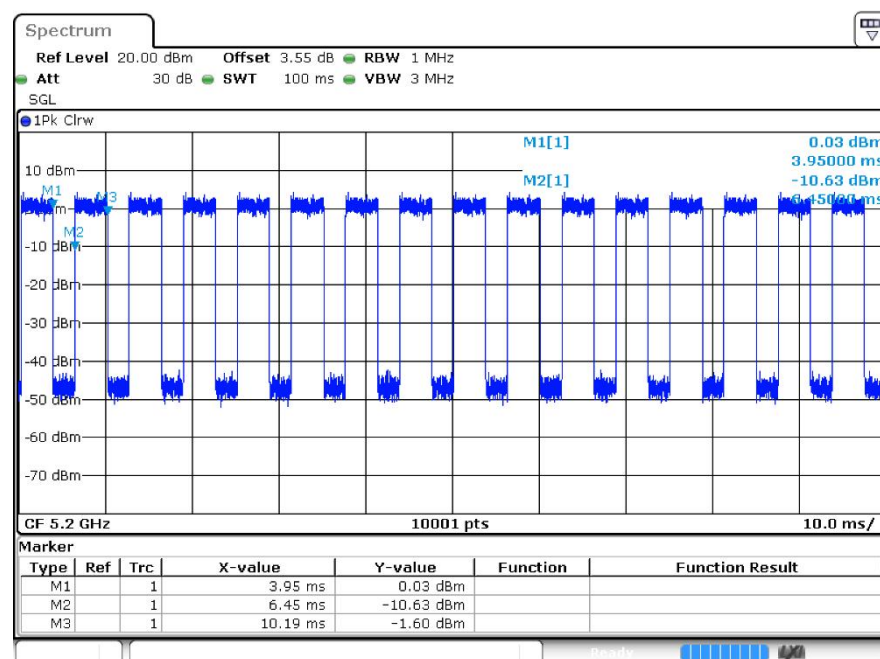


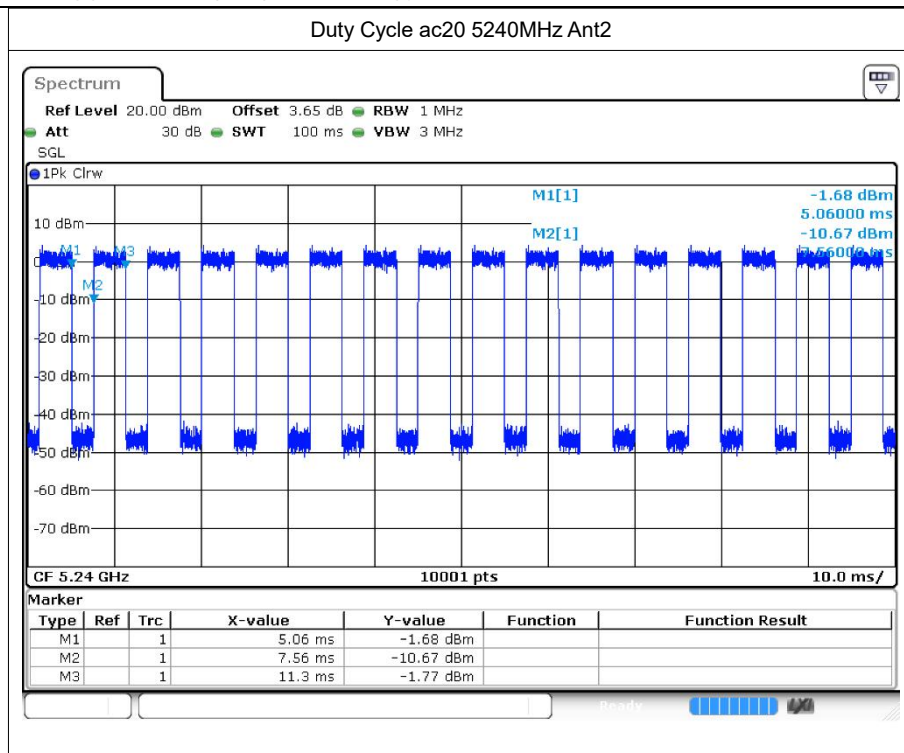


## Duty Cycle ac20 5180MHz Ant2

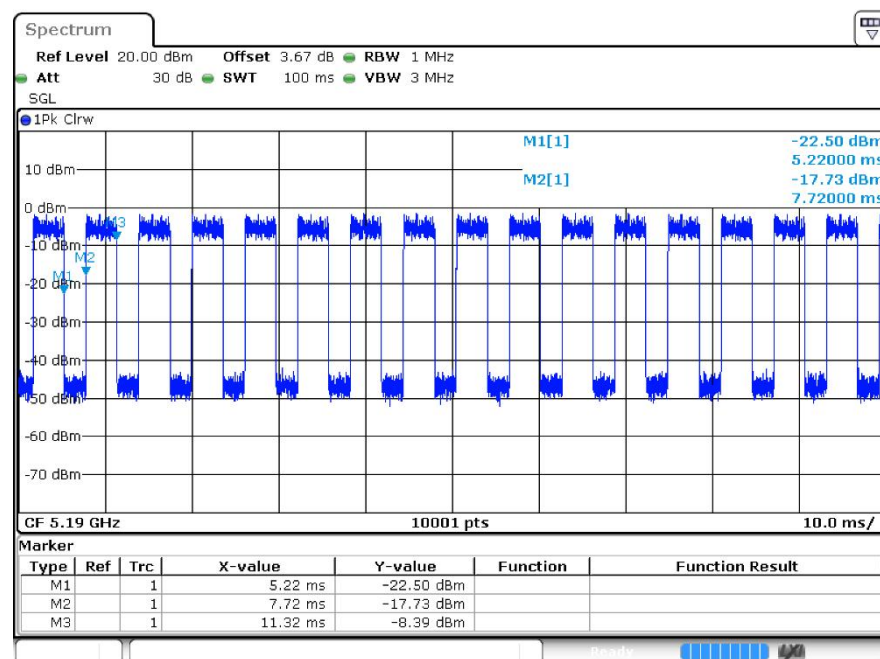


## Duty Cycle ac20 5200MHz Ant2

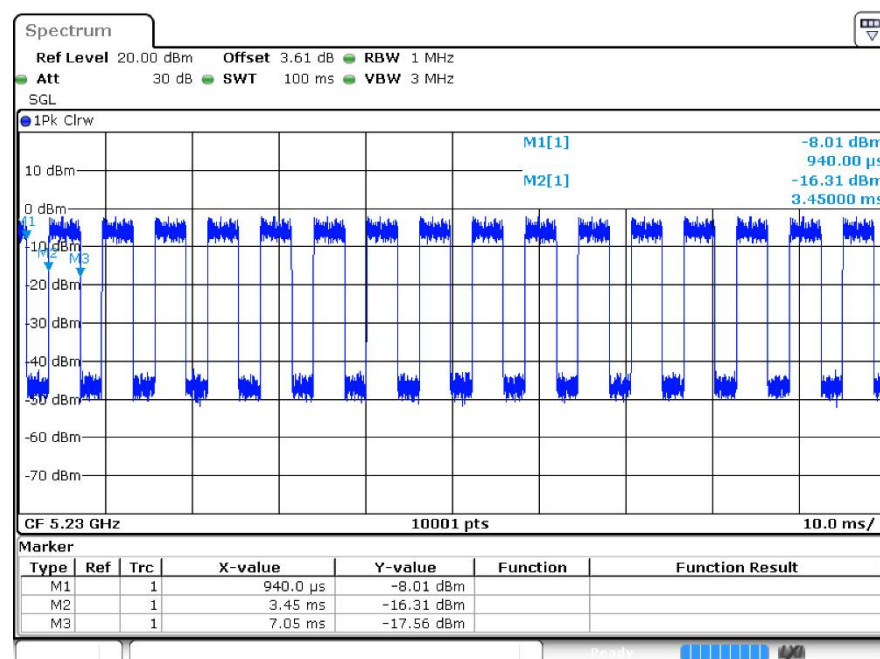




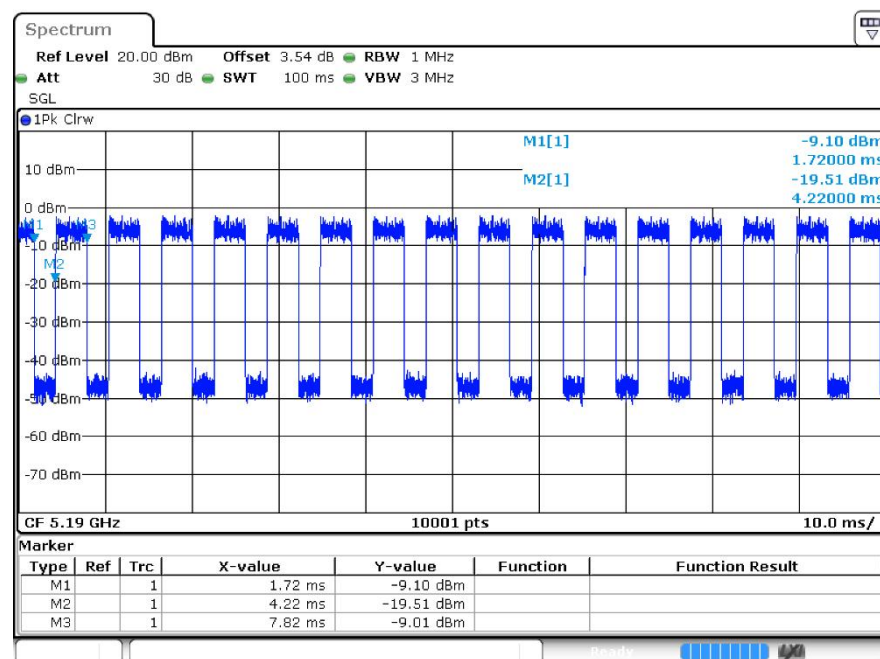
## Duty Cycle ac40 5190MHz Ant1



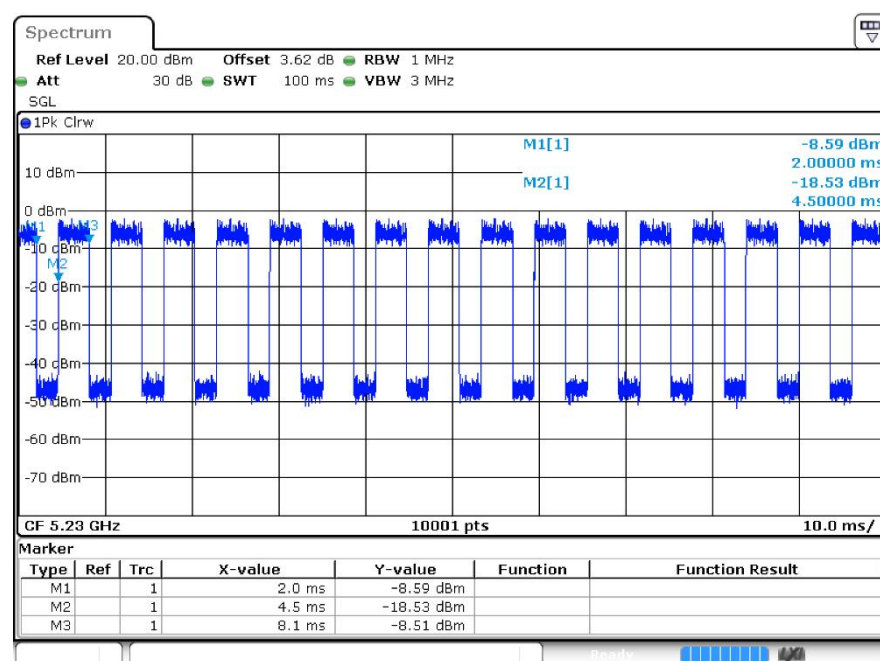
## Duty Cycle ac40 5230MHz Ant1



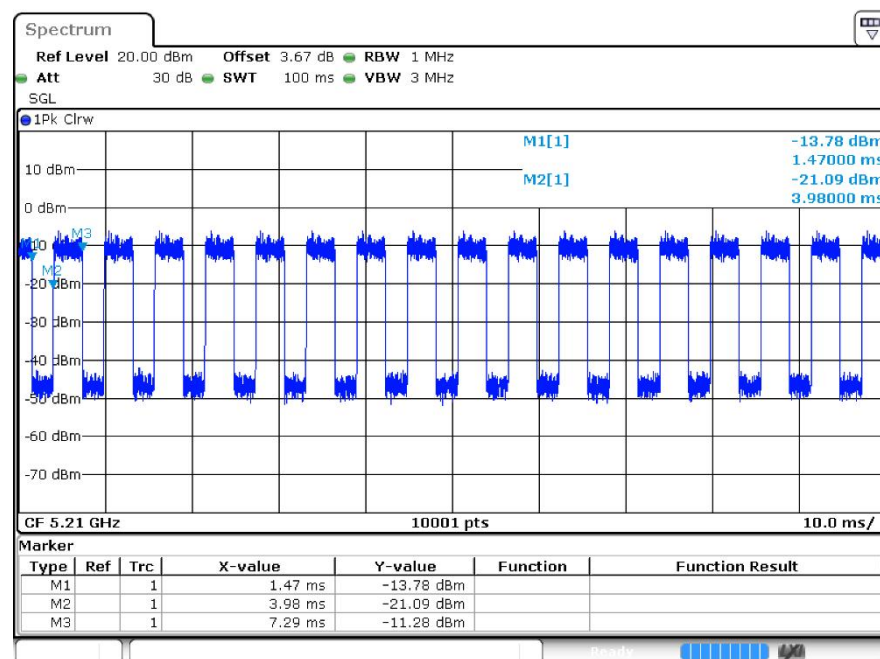
## Duty Cycle ac40 5190MHz Ant2



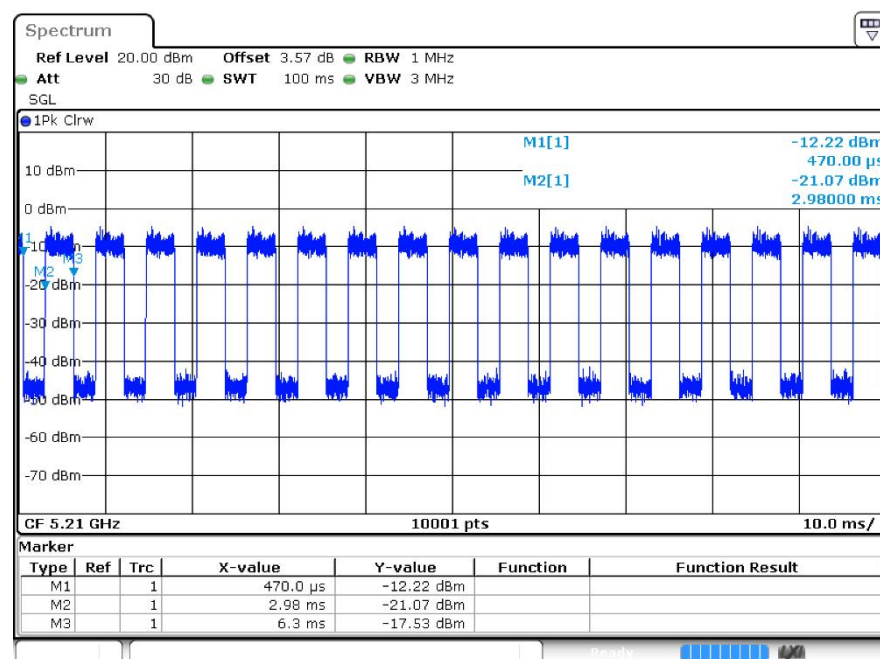
## Duty Cycle ac40 5230MHz Ant2



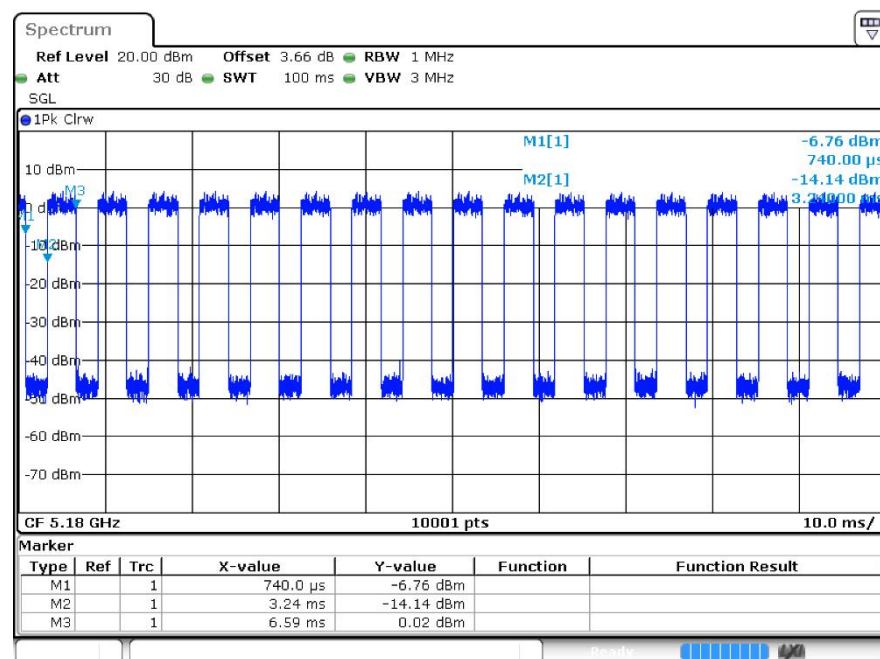
## Duty Cycle ac80 5210MHz Ant1



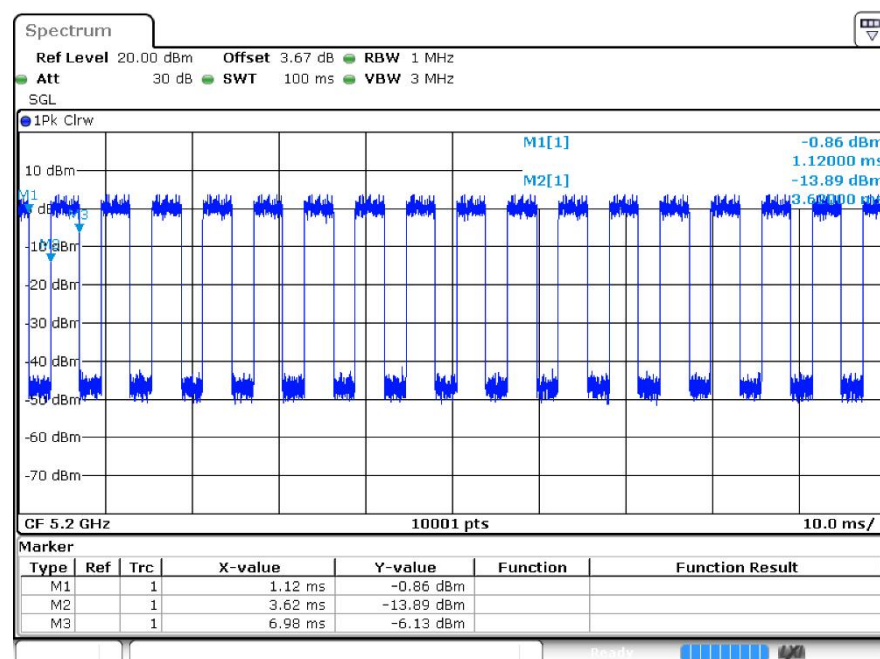
## Duty Cycle ac80 5210MHz Ant2

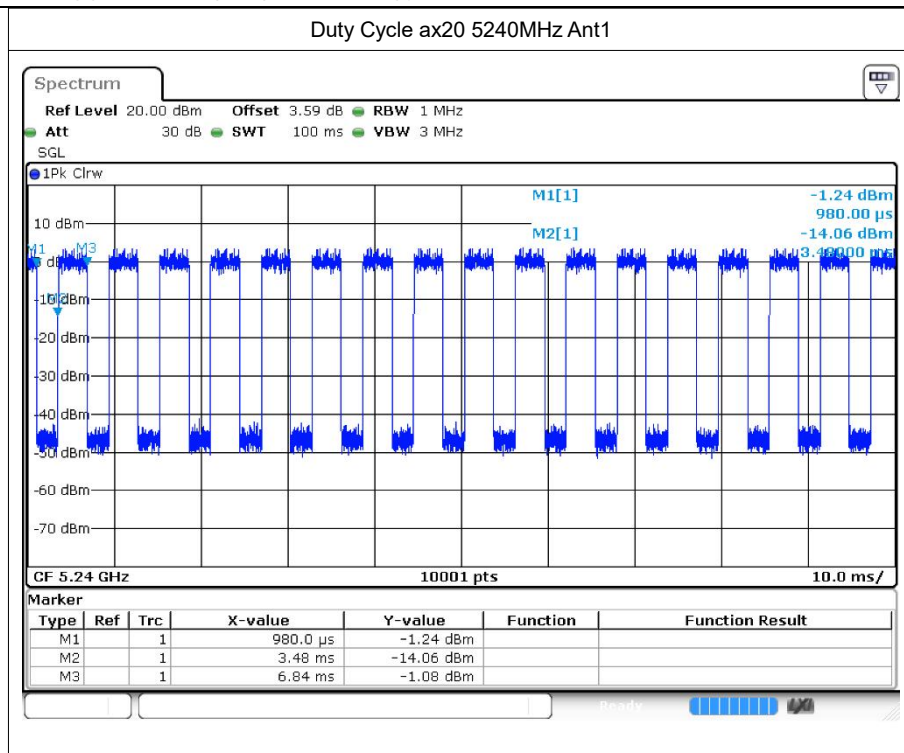


## Duty Cycle ax20 5180MHz Ant1

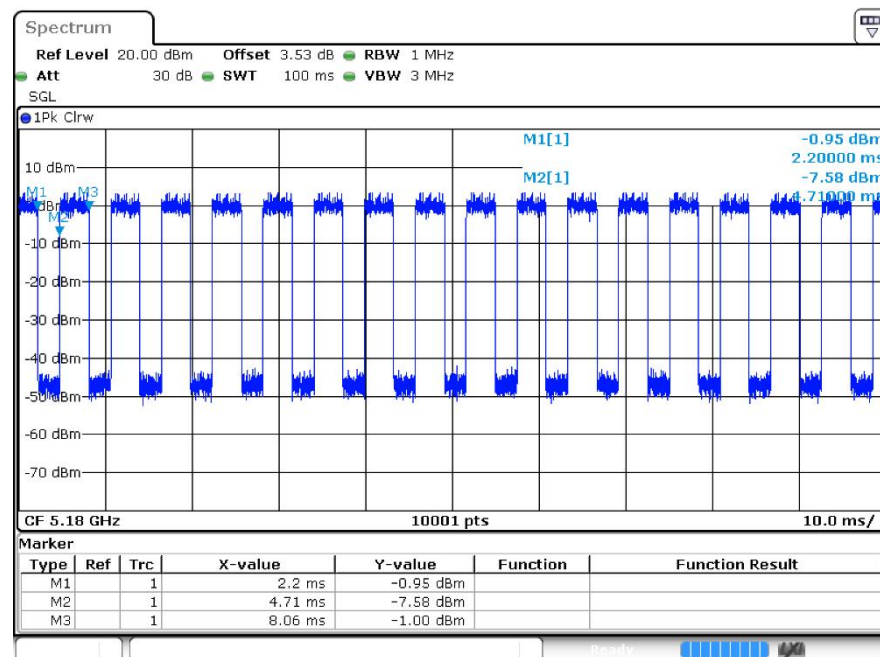


## Duty Cycle ax20 5200MHz Ant1

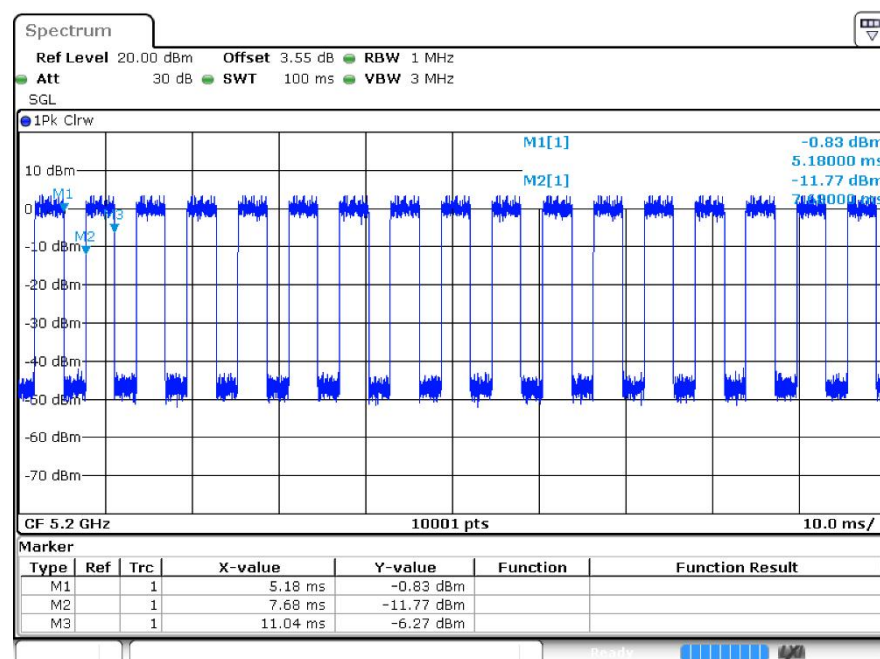


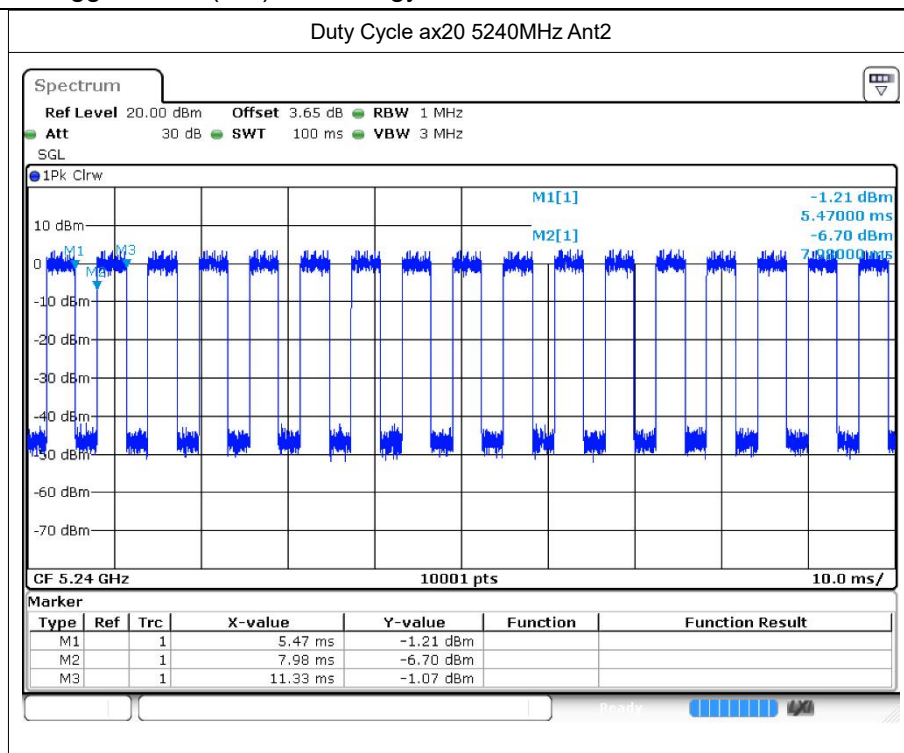


## Duty Cycle ax20 5180MHz Ant2

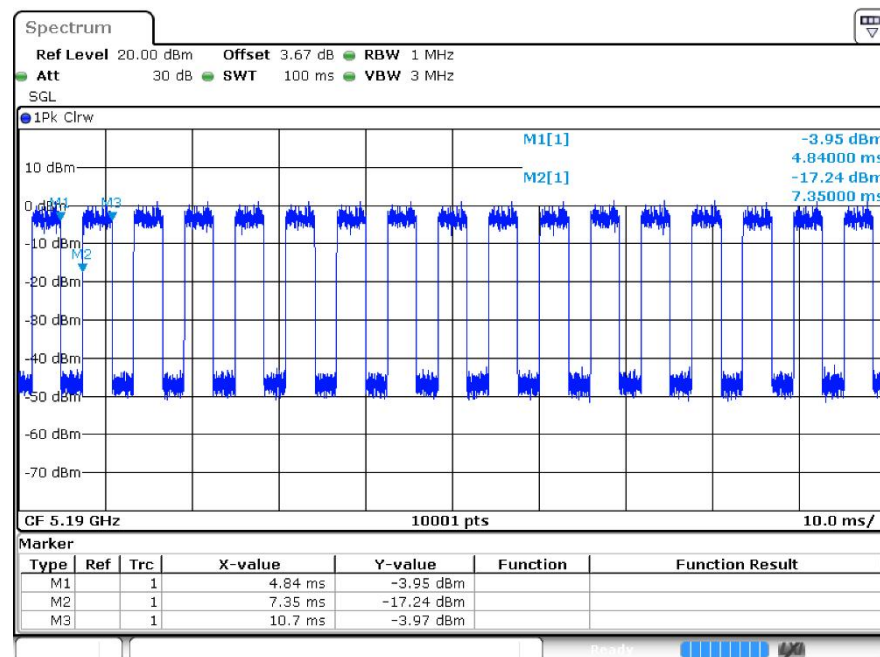


## Duty Cycle ax20 5200MHz Ant2





## Duty Cycle ax40 5190MHz Ant1



## Duty Cycle ax40 5230MHz Ant1

