Figure____. Power Consumption over Temperature in Standby Sleep Mode with RTC

OPERATION CONDITIONS
o BUCK Mode
o VDDIO = 3.3V
o ULPVERG LPEFF Enable
o RTC running on external 32KHz crystal
o BOD33 is disabled
o All I/O pins input

µa

50
45
40
35
30
25
20
15
10
5
0

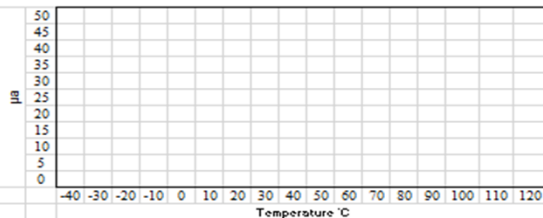-40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120
Temperature °C

Figure____. Power Consumption over Temperature in Standby Sleep Mode with RTC

OPERATION CONDITIONS
o BUCK Mode
o VDDIO = 1.8V
o ULPVERG LPEFF Enable
o RTC running on external 32KHz crystal
o BOD33 is disabled
o All I/O pins input

µa

50
45
40
35
30
25
20
15
10
5
0

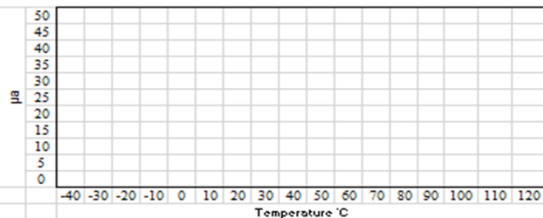-40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120
Temperature °C

Figure____. Power Consumption over Temperature in Standby Sleep Mode with RTC

OPERATION CONDITIONS
o LDO Mode
o VDDIN = 3.3V
o ULPVERG LPEFF Enable
o RTC running on external 32KHz crystal
o BOD33 is disabled
o All I/O pins input

µa

50
45
40
35
30
25
20
15
10
5
0

-40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120
Temperature °C

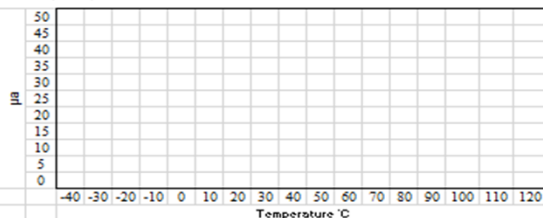**Figure____. Power Consumption over Temperature in Standby Sleep Mode with RTC**

OPERATION CONDITIONS
o LDO Mode
o VDDIN = 1.8V
o ULPVERG LPEFF Enable
o RTC running on external 32KHz crystal
o BOD33 is disabled
o All I/O pins input

µa

50
45
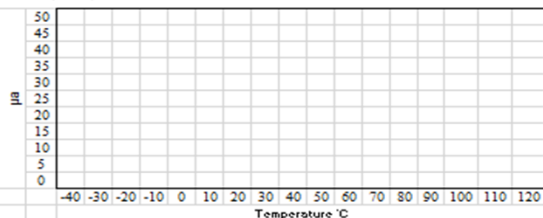40
35
30
25
20
15
10
5
0

-40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120
Temperature °C

Figure____. Power Consumption over Temperature in Standby Sleep Mode with RTC

OPERATION CONDITIONS
o VBAT=3.3v
o VDDIO = 0v
o ULPVERG LPEFF Enable
o RTC running on external 32KHz crystal
o BOD33 is disabled
o All I/O pins input

µa

50
45
40
35
30
25
20
15
10
5
0

-40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120
Temperature °C