IOT ASSIGNMENT- LETIMER0 SATYA MEHTA

Time period is defined in main.h file.

* 1. Q1) What is the Average Current when the Blue Gecko can only go down to EM0 for a complete period and what is the average current when the LED is off? What is the average current when the LED is on? a. Wait 60 seconds after the Average Current is RESET to read the Average Current

1. 4.63mA is the current **when LED is OFF**.
2. 4.67mA is the average current of the total period.
3. 5.10mA is the average current when LED is ON
   1. Q2) 2. What is the Average Current when the Blue Gecko can only go down to EM1 for a complete period and what is the average current when the LED is off? What is the average current when the LED is on? a. Wait 60 seconds after the Average Current is RESET to read the Average Current
4. 3.18mA is the current **when LED is OFF**.
5. 3.24mA is the average current of the total period.
6. 3.66mA is the average current when LED is ON
   1. Q3) 3. What is the Average Current when the Blue Gecko can only go down to EM2 for a complete period and what is the average current when the LED is off? What is the average current when the LED is on? a. Wait 60 seconds after the Average Current is RESET to read the Average Current
7. 2.53uA is the current **when LED is OFF**.
8. 41.89uA is the average current of the total period.
9. 460.52uA is the average current when LED is ON

Q4) 4. What is the period in milliseconds of the LED blinking using EM2 using the Average Current “selected range” markers? What is the On-Duty Cycle in milliseconds of the LED using the Average Current while limited to EM2?

1. 2250mS is the period of LED Blinking
2. 170 is the LED ON Duty Cycle.
   1. Q5) 5. What is the Average Current when the Blue Gecko can go down to EM3 for a complete period and what is the average current when the LED is off? What is the average current when the LED is on? a. Wait 60 seconds after the Average Current is RESET to read the Average Current
3. 3.87uA is the current **when LED is OFF**.
4. 43.33uA is the average current of the total period.
5. 446.61uA is the average current when LED is ON

Q6) 6. What is the period in milliseconds of the LED blinking using EM3 using the Average Current “selected range” markers? What is the On-Duty Cycle in milliseconds of the LED using the Average Current while limited to EM3?

1. 2210mS is the period of LED Blinking
2. 175ms is the LED ON Duty Cycle.