

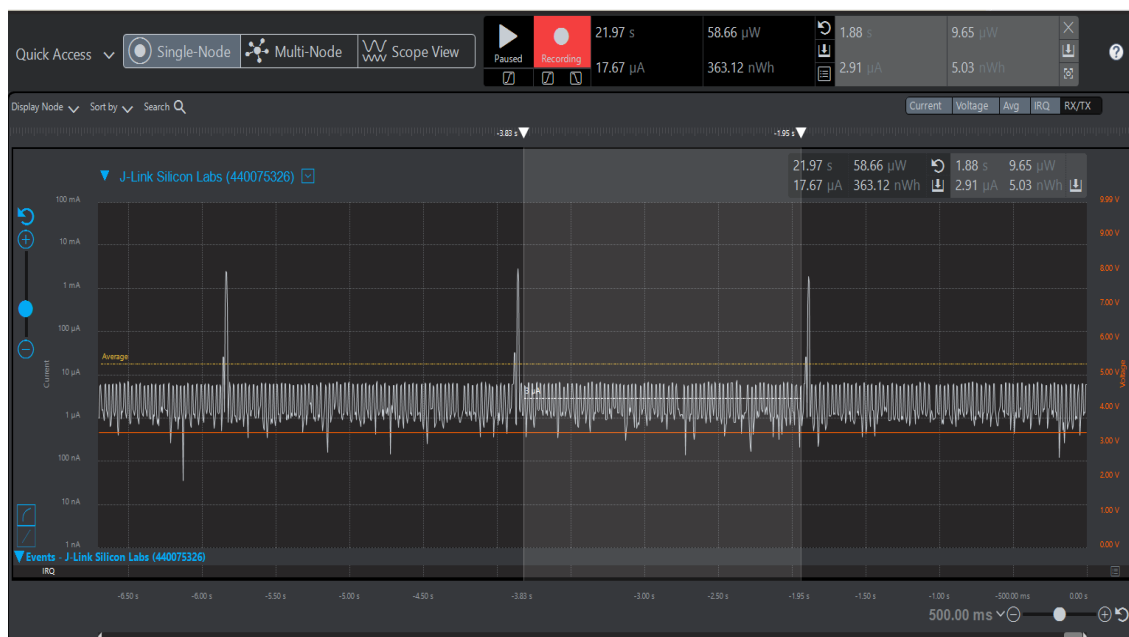
1. After resetting the Energy Profiler measurements, what is the average current after 30 seconds?

Ans: 17.84 micro amps



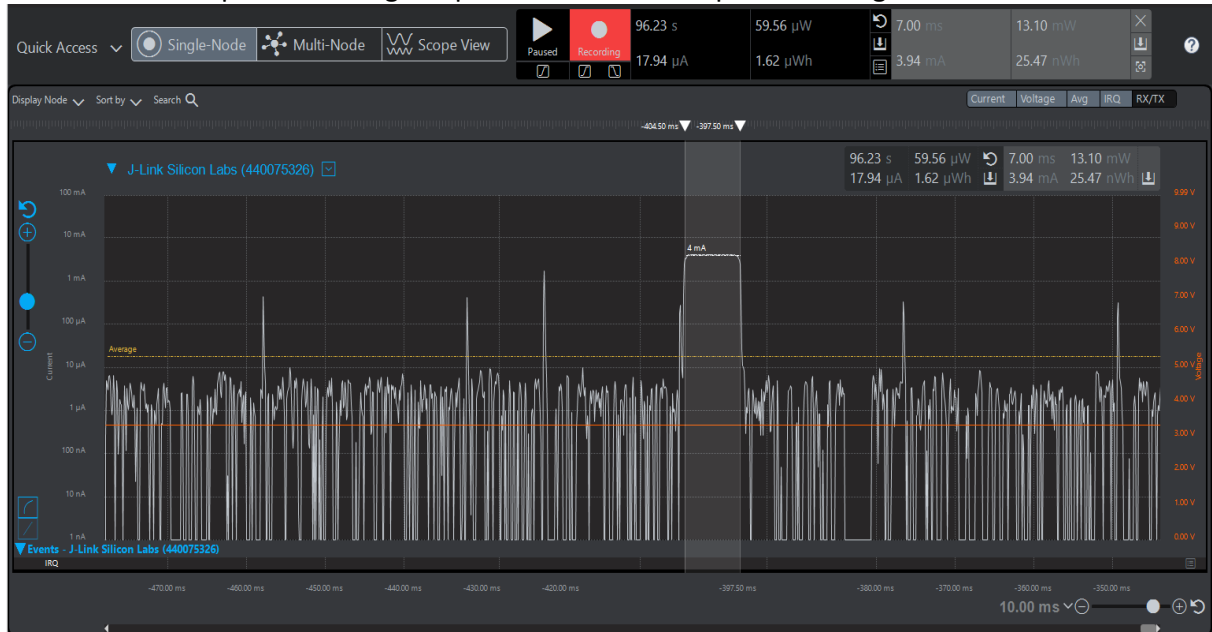
2. What is the lowest average current when the Si7021 is Load Power Management OFF?

Ans: 2.84 micro amps

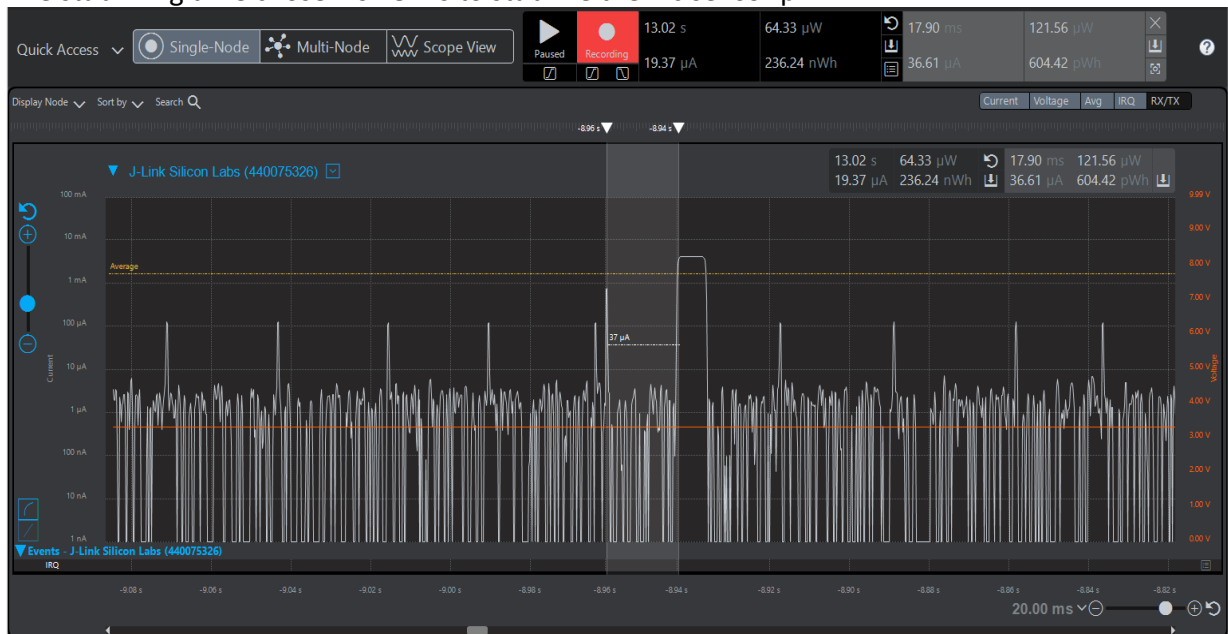


3. What is the lowest average current when the Si7021 is Load Power Management ON?

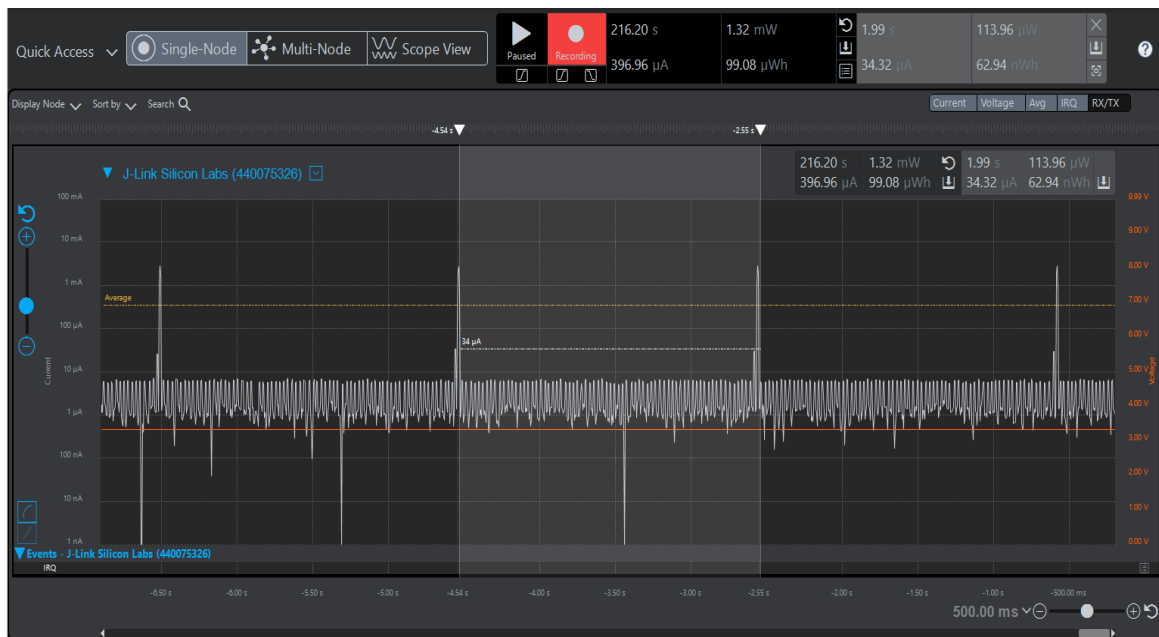
Ans: 3.94 milli amps considering the period in which load power management is on.



The stabilizing time chosen is 18 ms to stabilize the i2c sensor pin



The load power management is on for a fraction of moments when the pin is enabled, ie the first peak, the second peak consuming around 4 milli amps of current is the duration of the temperature sensor being on which is immediately followed by load power management off. The letimer period is 2 sec as given below



4. How long is the Si7021 Load Power Management ON for 1 temperature reading?

Ans: 7.10ms

