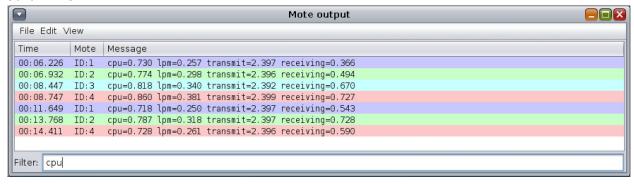
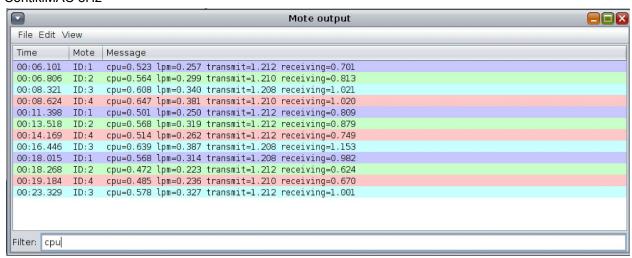
## Task1

The energy dissipation for the three rates

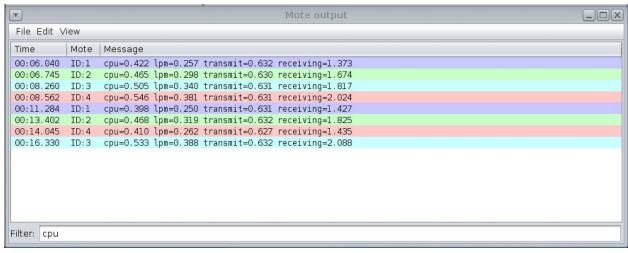
#### ContikiMAC 4Hz



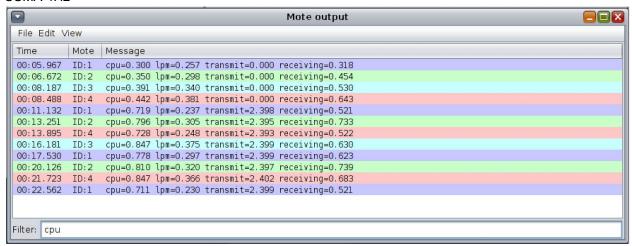
#### ContikiMAC 8Hz



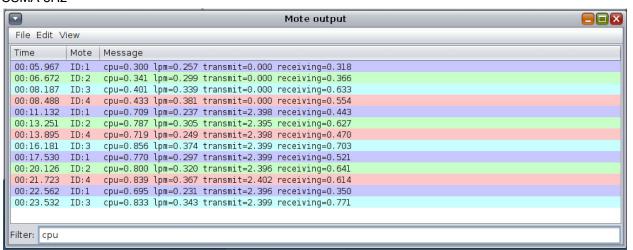
### ContikiMAC 16Hz



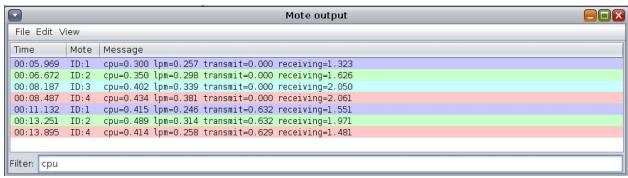
#### CSMA 4Hz



#### CSMA 8Hz



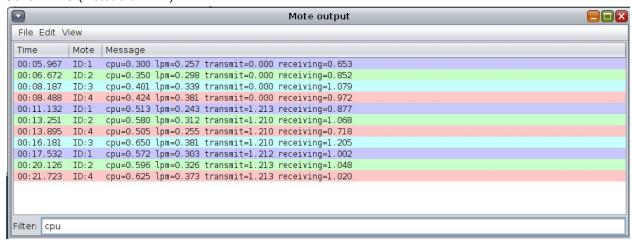
## CSMA 16Hz



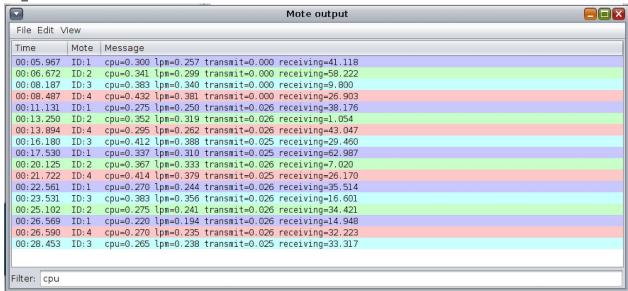
# Task2

I used Contiki 3.0 instead of 2.6, but 3.0 does not have LPP and X-MAC drivers

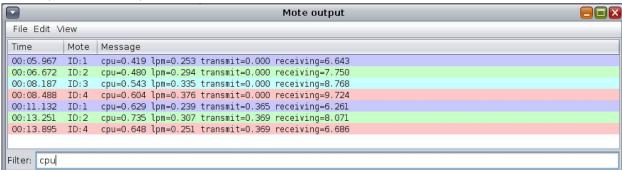
#### ContikiMAC (instead of LPP)



#### Null RDC



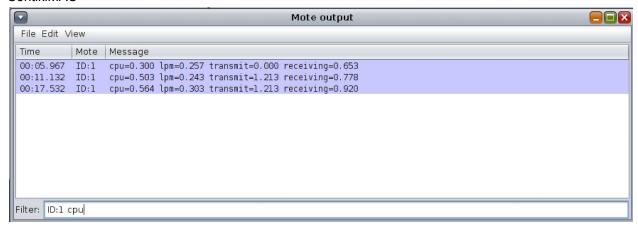
#### CX-MAC (instead of X-MAC)



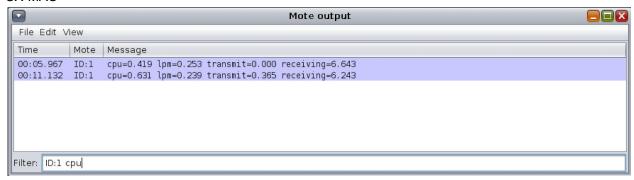
The highest consume is CX-MAC and the lowest consumer is Null\_RDC

# Task3

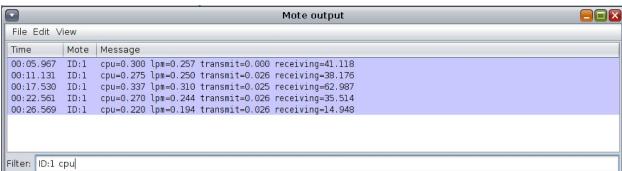
### ContikiMAC



#### CX-MAC



## **NullRDC**



Contiki 3.0 does not support X-MAC and LPP drivers. CX\_MAC consumed more energy than Null\_RDC and ContikiMAC. ContikiMAC consumer more energy than NullRDC.