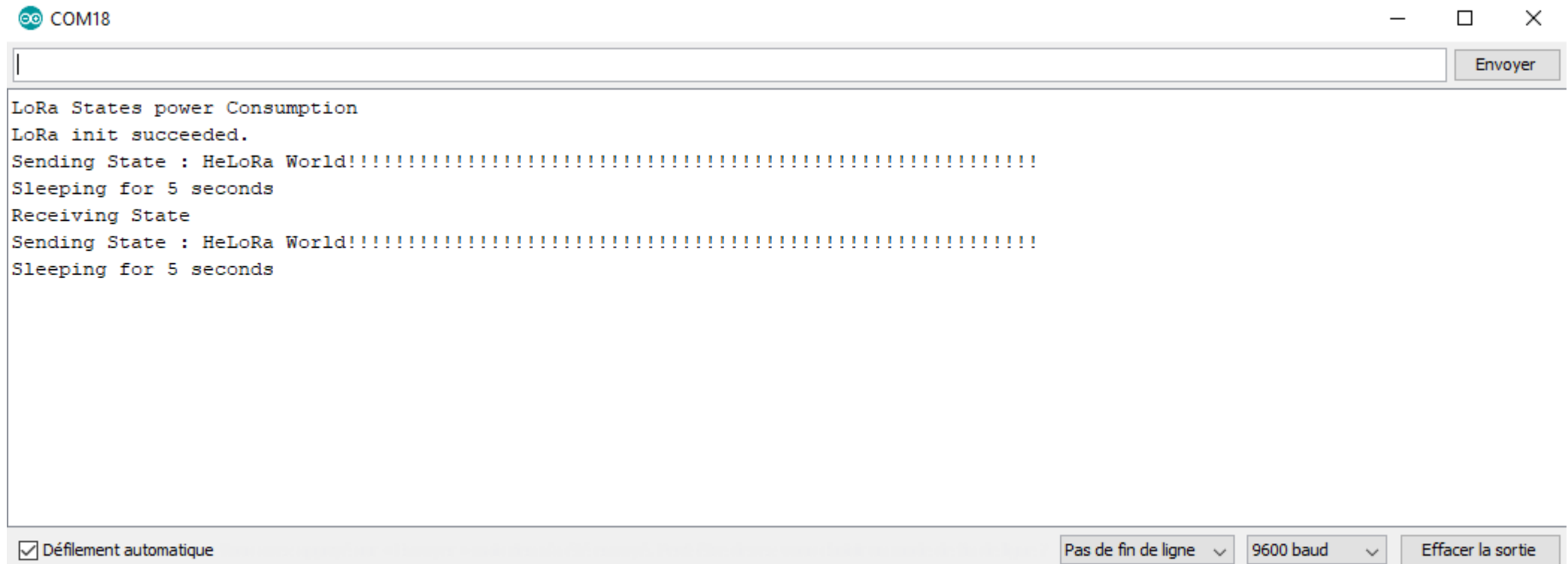# Power consumption Lab

F. Ferrero

Power consumption Lab

- The code set 3 differents states :
  - Transmission mode (the Tx power can be tuned from 2 to 20dBm)
  - Sleep mode
  - Reception mode

```
COM18                                                          —   □   ×
|                                                              Envoyer
LoRa States power Consumption
LoRa init succeeded.
Sending State : HeLoRa World!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
Sleeping for 5 seconds
Receiving State
Sending State : HeLoRa World!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
Sleeping for 5 seconds



☑ Défilement automatique          Pas de fin de ligne  ∨   9600 baud  ∨   Effacer la sortie
```

Power consumption Lab

- You can use a 66312A DC source to measure the power consumption in the 3 different modes with 3.3V

- Try to power the Arduino on Vcc Pin and Raw Pin.

- The Raw pin used a regulator and can be powered from 4 to 9 V.