



POLITECNICO
MILANO 1863



Internet of Things Lab

Challenge 1 – Supporting Files



CSV Files

- CSV files are raw measurements coming from the current monitor sensor.
- Each file contains power measurement in mW of the Esp32 board, at different stages described in the following slides.
- Each csv file is characterized by a Timestamp column and the Power measurement.
- You can use this measurements to compute the Power and Energy consumptions.

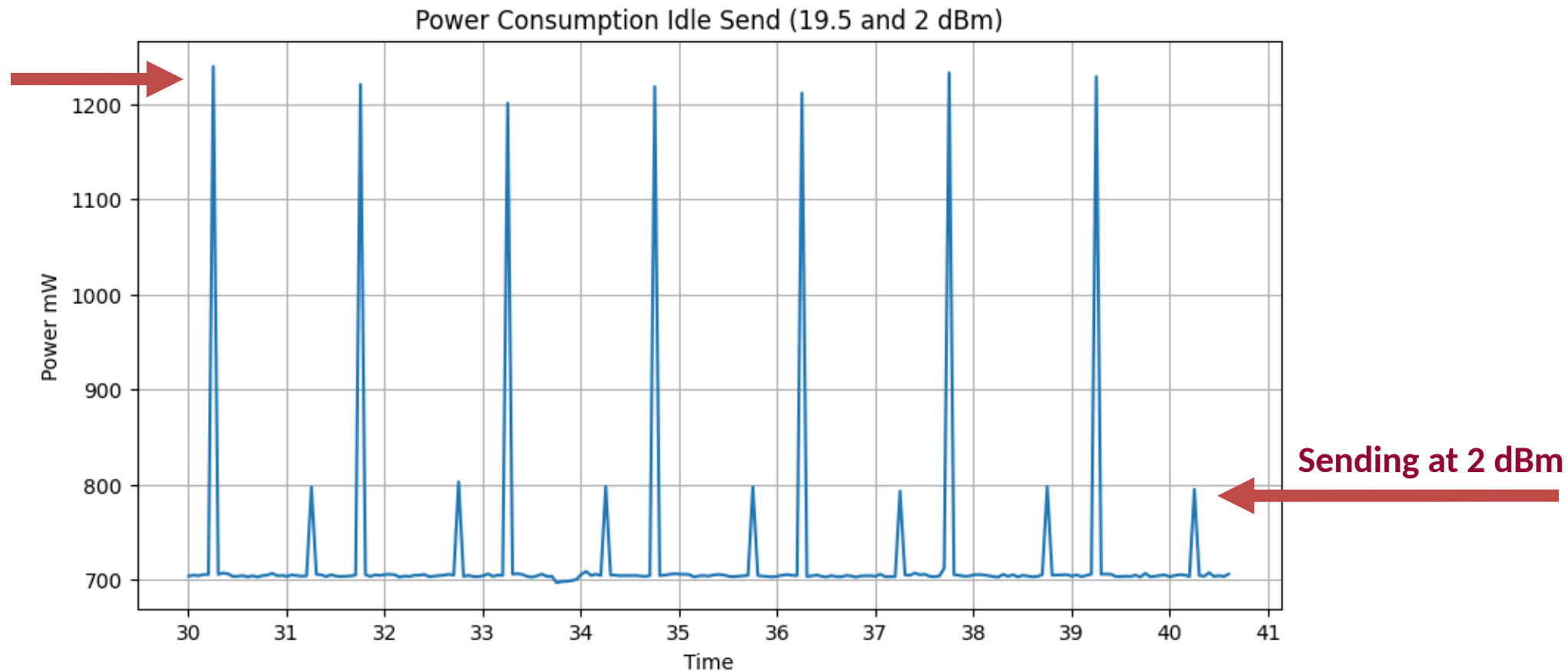
Timestamp	Data
2024-03-03 20:14:47.705952	59.89
2024-03-03 20:14:47.756244	59.5
2024-03-03 20:14:47.805842	59.82



Transmission power

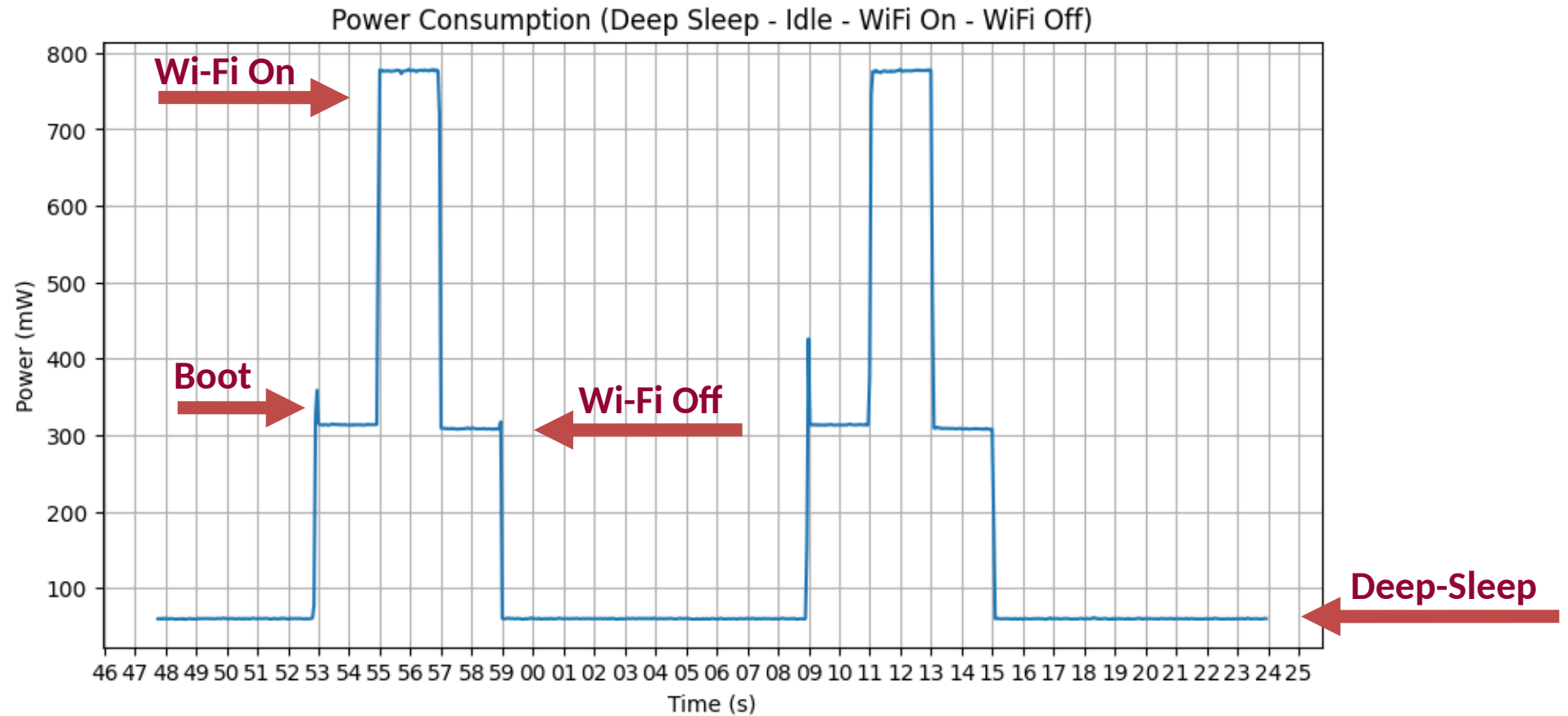
Measured Output

Sending 19.5 dBm
Default value



Deep Sleep with Interrupt

Measured Output





Sensor Reading (Ultrasonic Distance Sensor - HC-SR04)

Measured Output

