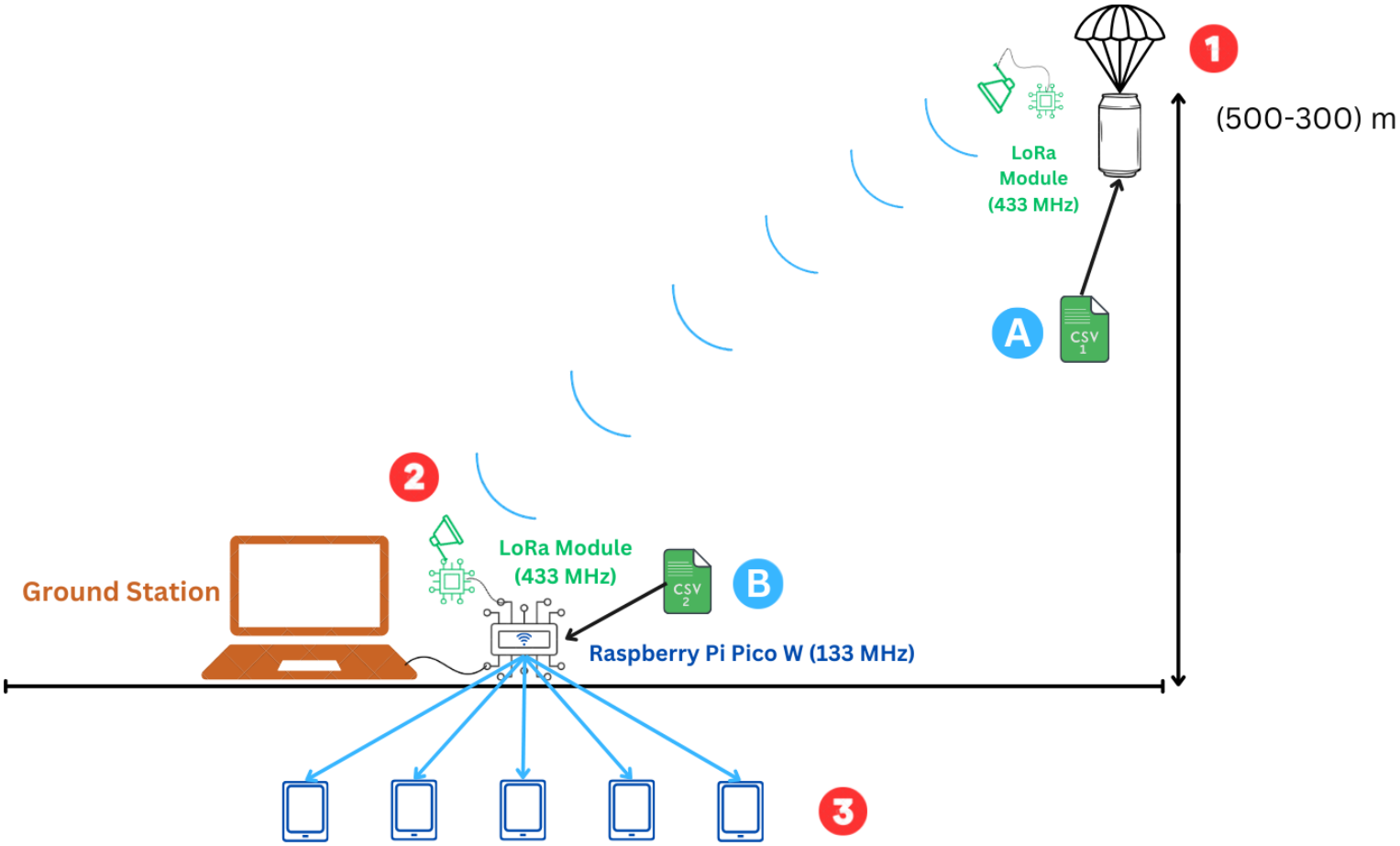
Broadcasting System



Refinements:

1. Once the CanSat is in the air, it will start collecting data and broadcasting it, via a LoRa module, to a ground station. A second LoRa module, positioned at the ground station, picks up these signals and transmits the data to a Raspberry Pi Pico W.

2. Because the frequencies of the Raspberry Pi Pico W and the LoRa module are 433MHz and 133MHz, respectively, there should be minimal interference between the two.

3. The Raspberry Pi Pico W will wirelessly transmit this data to all the clients connected, allowing real-time data visualization.

A. CSV 1 will be stored locally on the disk drive of the microcontroller located within the CanSat; this is to ensure that we will, still, have the data even if the connection between the two LoRa modules is broken.

B. CSV 2 will be stored locally on the disk drive of the Raspberry Pi Pico W, positioned at the ground station; this is to ensure that the data will still be obtainable even if the CanSat is unable to be recovered.