Setting up WiFi connectivity

WiFi connectivity from the Technion

- Create a hotspot on mobile phone, setting up the compatibility frequency 2.4 GHz

WiFi connectivity via laptop, dual connectivity

- Dual connectivity – the laptop is connected to WiFi and additionally serves as a hotspot.
- Note that most of the WiFi devices support one mode at a time. In other words, if the WiFi adapter is currently connected to a network, it might not be able to create the hotspot.
- Workaround for Linux using Terminal:
    - sudo add-apt-repository ppa:lakinduakash/lwh
    - sudo apt update
    - sudo apt upgrade
    - sudo apt install linux-wifi-hotspot
    - reboot
    - Run the software (WiFi Hotspot) and configure a hotspot. In advanced settings set to 2.4 GHz. Press “Create hotspot” for start.
- Configure secrets.h with the SSID and PASSWORD used for WiFi, upload the code.

```
Init WiFi...
Connecting to DCIOT..
WiFi connected!
Local IP address: 192.168.12.46

Init local DNS...
Browse either http://audio-recorder.local or via IP address
* The .local extension is essential when using the host-name.
```

- Go back to the Hotspot app and check the connections, press on Refresh button: