Observing IEEE 802.11

Part 1 : Active and passive scanning

Step : 1.1 : Obtain test equipment

Description**:** You need a wireless client device, such as an 802.11n- or 802.11ac-  
equipped laptop, and an access point. You also need a wireless protocol analyzer, such as WireShark (which is freely available) or another protocol analyzers.

I used my phone as an access point, and wireshark as protocol analyzer.

Step: 1.2 : Configure the protocol analyzer

Description : The protocol analyzer should record 802.11 frame transmissions on all RF channels

I had some struggle doing this, as windows does not allow the *monitor mode* which is what we need to capture 802.11 frames with wireshark. As a result, I had to find a laptop with a Linux based installation on it.

First, I had to activate the *monitor mode* on my computer.

Configurations steps :

command + purpose + screenshots

Question : <question>

Answer