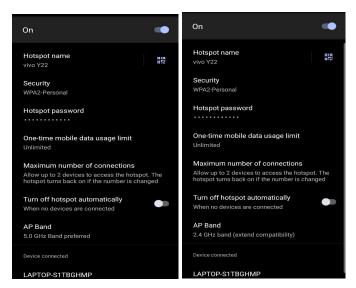
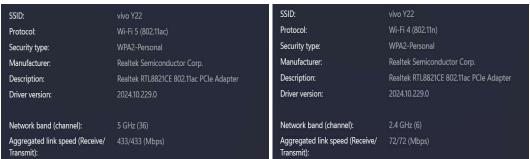
WIFI TRANING MODULE 1 ASSESSMENT SOLUTION

-BY SAKTHI KUMAR S

7.Configure your modem/hotspot to operate only in 2.4Ghz and connect your laptop/Wi-Fi device, and capture the capability/properties in your Wi-Fi device. Repeat the same in 5Ghz and tabulate all the differences you observed during this





Parameters observed:

Parameters Observed	At 2.4GHz	At 5GHz
Protocol	802.11n	802.11ac
Network Band	2.4GHz	5GHz
Channel	6	36
Link speed (Rx/Tx (Mbps))	72/72	433/433

Inference:

The 5 GHz band provides much faster speeds and better performance, especially for activities like streaming, gaming, and large file transfers.

The 2.4 GHz band is better for longer range but is limited in terms of speed due to the older 802.11n protocol and more interference.