



# WIRELESS PERSONAL AREA NETWORKS

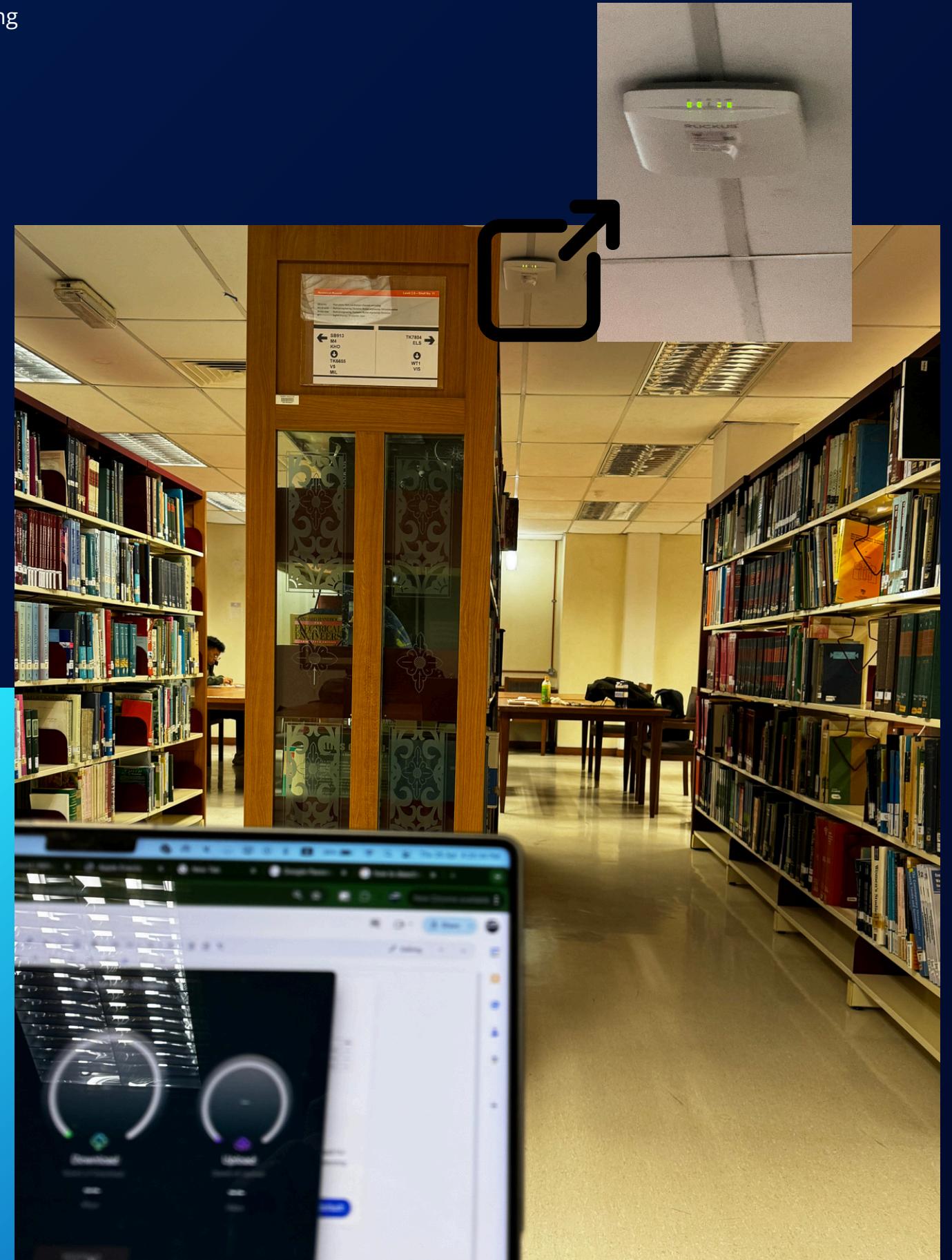
Presented by WONG LI DE U2102806



# TOOLS - I WIFI



The tool used for testing the WiFi is called Iwifi.

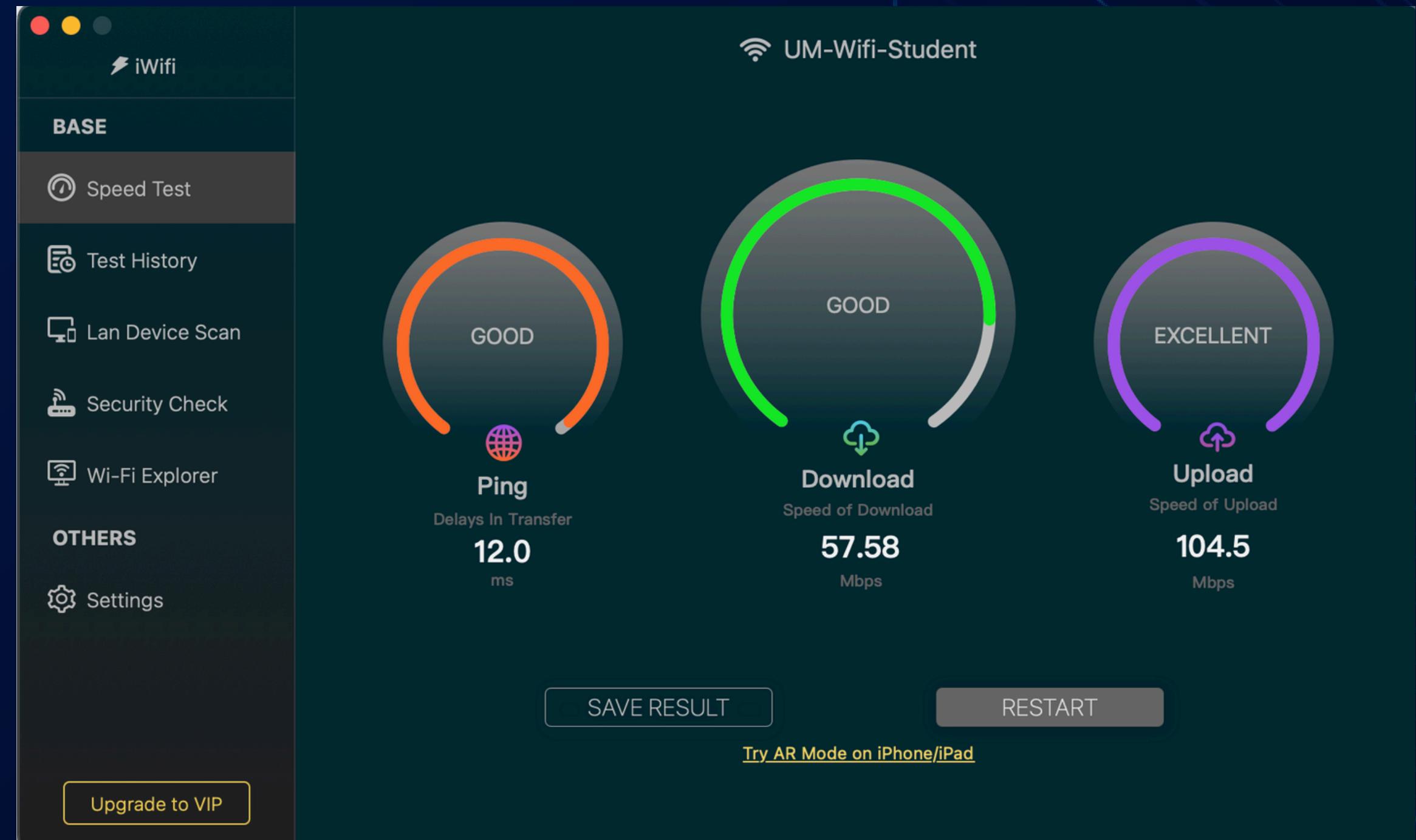


# LOCATION - UM LIBRARY

The WiFi access point was tested at the UM Library.



# WIFI SPEED TEST RESULTS:



- **Ping: 12.0 ms**
- **Download Speed: 57.58 Mbps**
- **Upload Speed: 104.5 Mbps**



# CONNECTED DEVICES

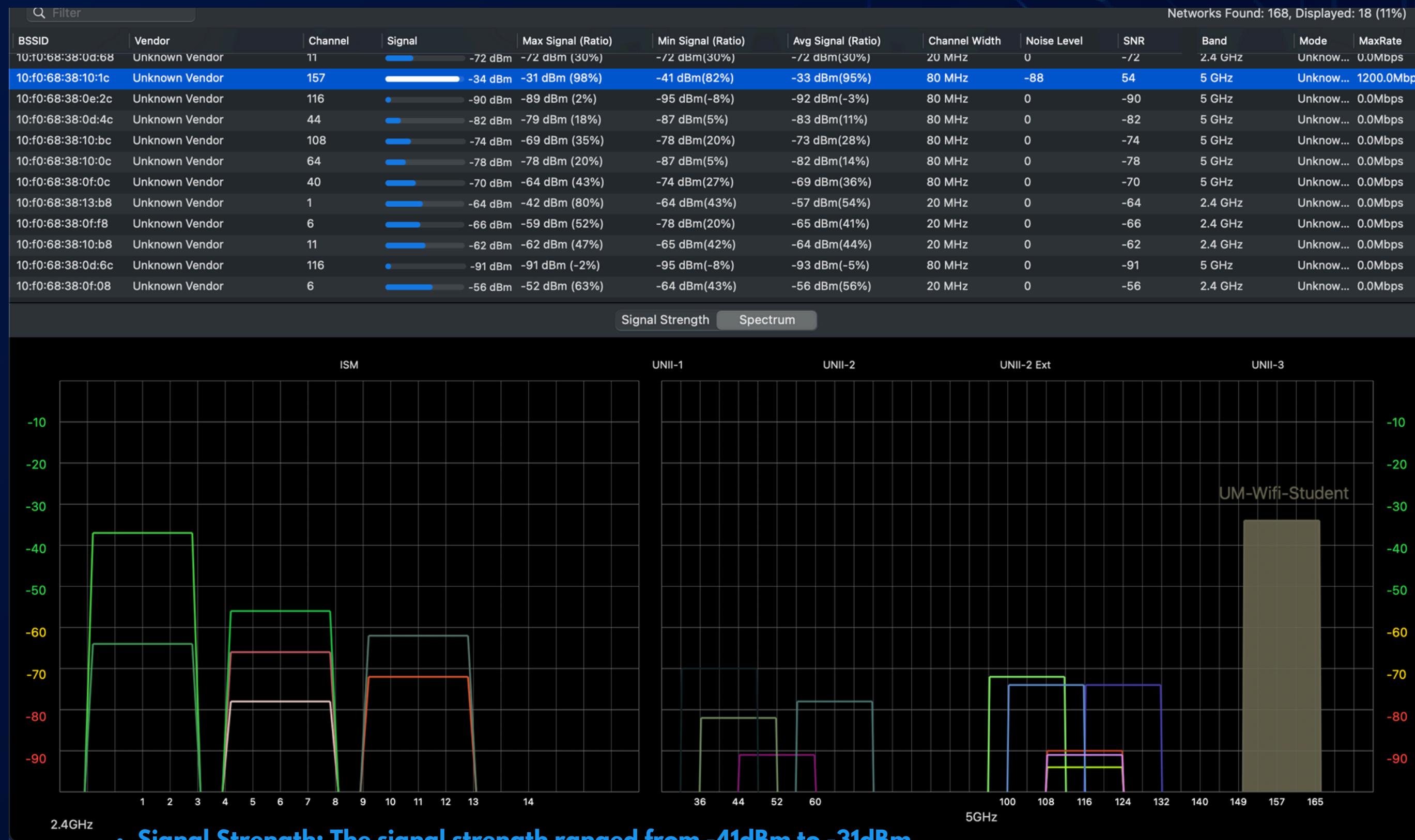
The screenshot shows a software application titled "iWifi" running on a Mac OS X desktop. The main window displays a list of 635 devices connected to the WiFi network "UM-Wifi-Student". The interface includes a sidebar with "BASE" and "OTHERS" sections, and a "Scan" button. The main area shows device details in a grid format.

Icon	IP Address	Device Type
Apple	10.164.233.234	This Mac
?	10.164.232.23	Unknown
?	10.164.232.25	Unknown
?	10.164.232.28	Unknown
?	10.164.232.22	Intel Corporate
?	10.164.232.29	Unknown
?	10.164.232.36	Unknown
?	10.164.232.27	Unknown
?	10.164.232.32	Unknown
?	10.164.232.40	Unknown
?	10.164.232.44	Unknown
?	10.164.232.47	Intel Corporate

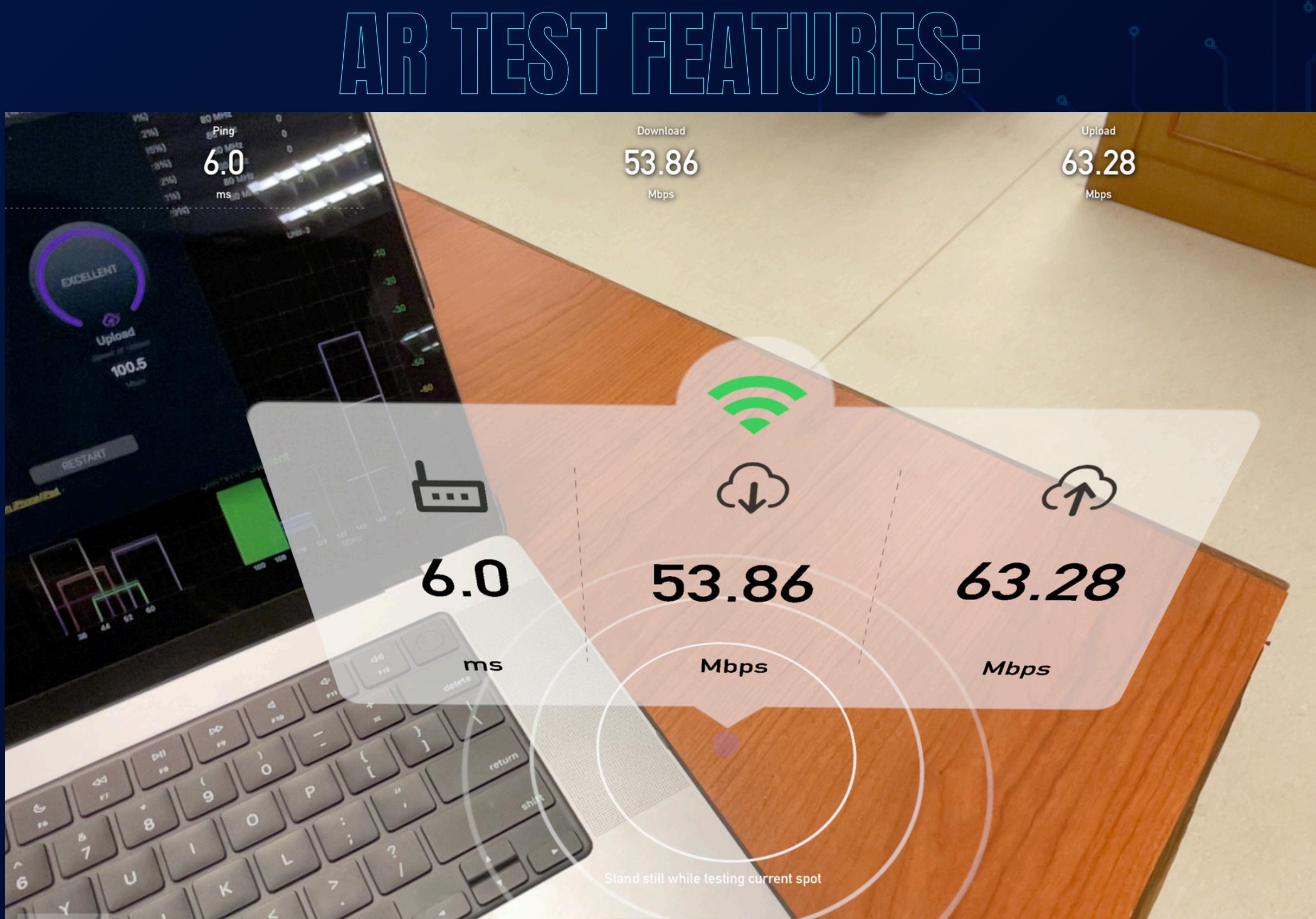
**At the time of testing, there were 635 devices connected to the same WiFi network.**



# SIGNAL STRENGTH AND TRANSMISSION RATE:



- **Signal Strength:** The signal strength ranged from -41dBm to -31dBm.
- **Maximum Transmission Rate:** The access point's maximum transmission rate was recorded at 1200 Mbps.



I also used the AR Test from the paid version of Iwifi.  
I'm able to do this because I'm currently on a free trial.



# CONCLUSION

This test shows that our WiFi at the library is strong and fast, even when a lot of people are using it. This is great for everyone who needs reliable internet for studying or teaching.



THANK  
YOU

