# INSTALLING T-MOBILE'S GATEWAY DEVICE FOR FIXED WIRELESS ACCESS

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# Web location for this presentation:

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"Meeting Notes"

# SUMMARY

Here are my instructions for installing T-Mobile's "Nokia" gateway for their "T-MOBILE INTERNET Internet" service.

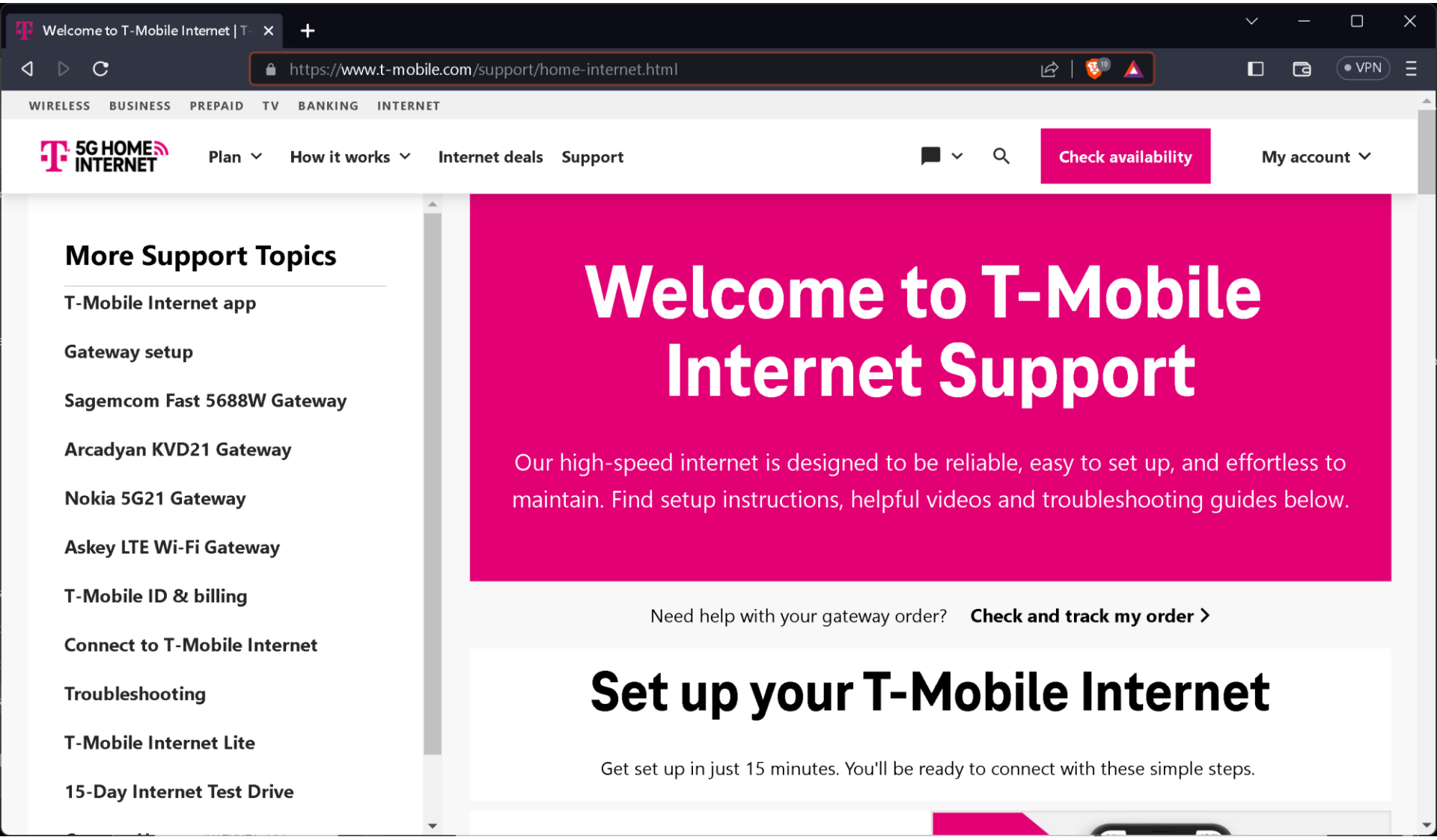
# TOPICS

- T-Mobile's "5G Home Internet" Gateways
- Using the "T-Mobile Internet" app

# T-MOBILE'S GATEWAYS

According to https://www.t-mobile.com/support/home-internet.html

T-Mobile is now using one of four models of gateways:

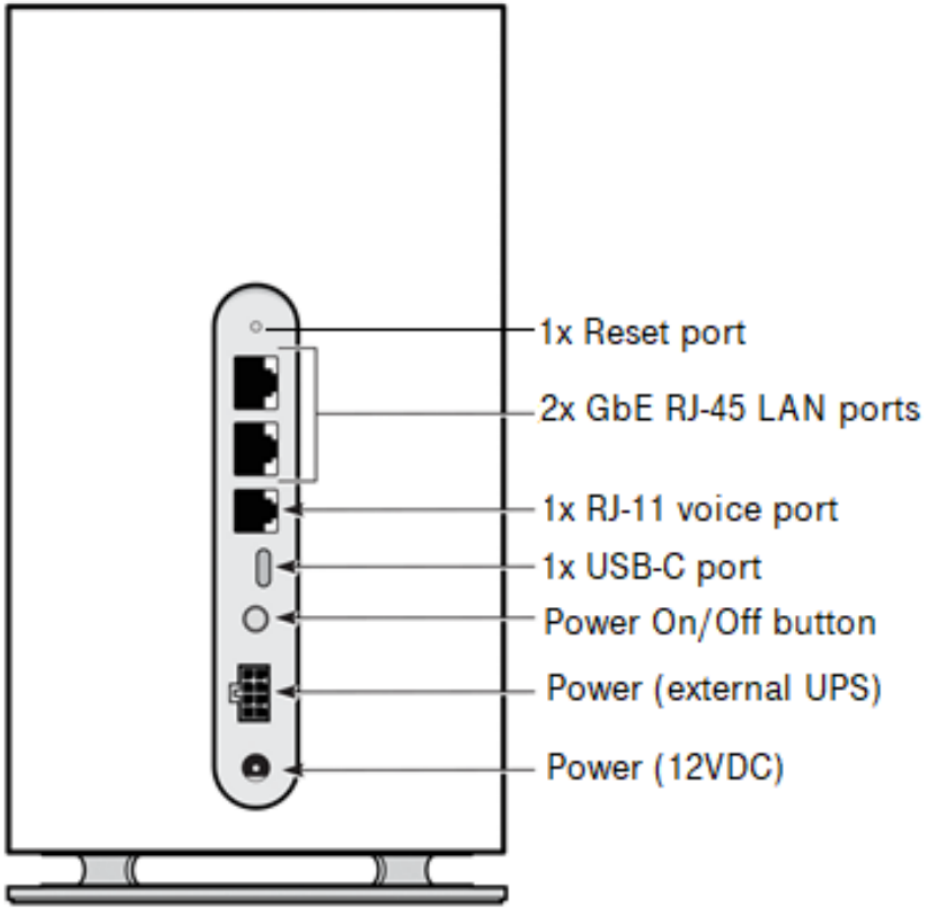

Welcome to T-Mobile Internet | T-
https://www.t-mobile.com/support/home-internet.html
VPN
WIRELESS BUSINESS PREPAID TV BANKING INTERNET
5G HOME INTERNET
Plan
How it works
Internet deals
Support
Check availability
My account
More Support Topics
T-Mobile Internet app
Gateway setup
Sagemcom Fast 5688W Gateway
Arcadyan KVD21 Gateway
Nokia 5G21 Gateway
Askey LTE Wi-Fi Gateway
T-Mobile ID & billing
Connect to T-Mobile Internet
Troubleshooting
T-Mobile Internet Lite
15-Day Internet Test Drive
Welcome to T-Mobile Internet Support
Our high-speed internet is designed to be reliable, easy to set up, and effortless to maintain. Find setup instructions, helpful videos and troubleshooting guides below.
Need help with your gateway order? Check and track my order
Set up your T-Mobile Internet
Get set up in just 15 minutes. You'll be ready to connect with these simple steps.

Sagemcom Fast 5688W Gateway

Arcadyan KVD21 Gateway

Nokia 5G21 Gateway

Askey LTE Wi-Fi Gateway




NOTE

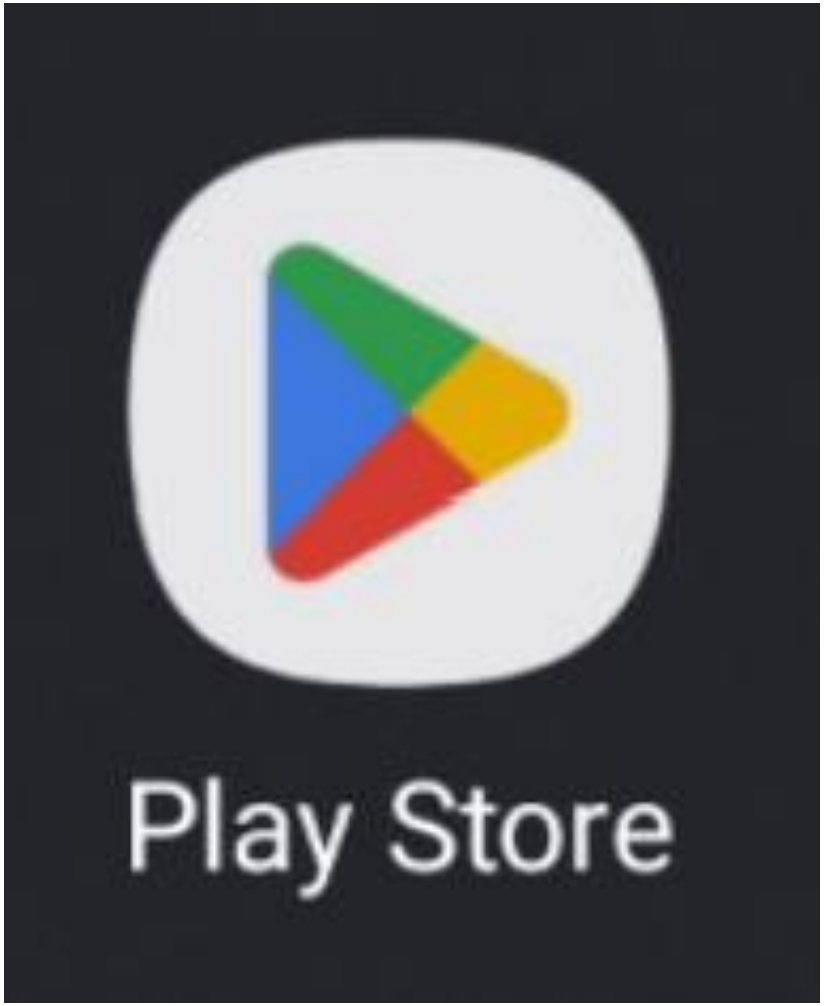
The USB-C and RJ-11 voice ports currently are not functional.

# T-MOBILE'S GATEWAYS (continued)

If you order T-Mobile's "5G Home Internet", you will not find out which model you get until it arrives at your home or business.

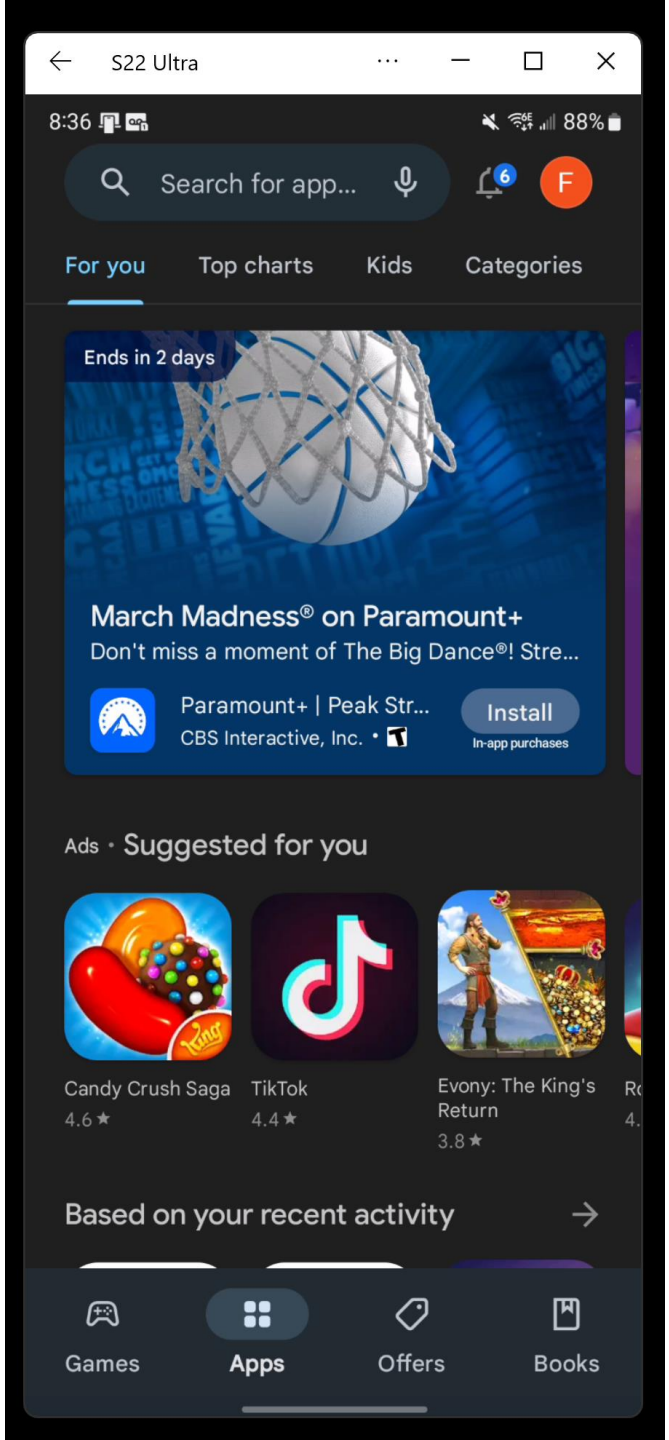
# USING THE "T-MOBILE INTERNET" APP

- Go to the "Play Store" in an Android phone or to the "App Store" in an Apple iPhone:


Play Store

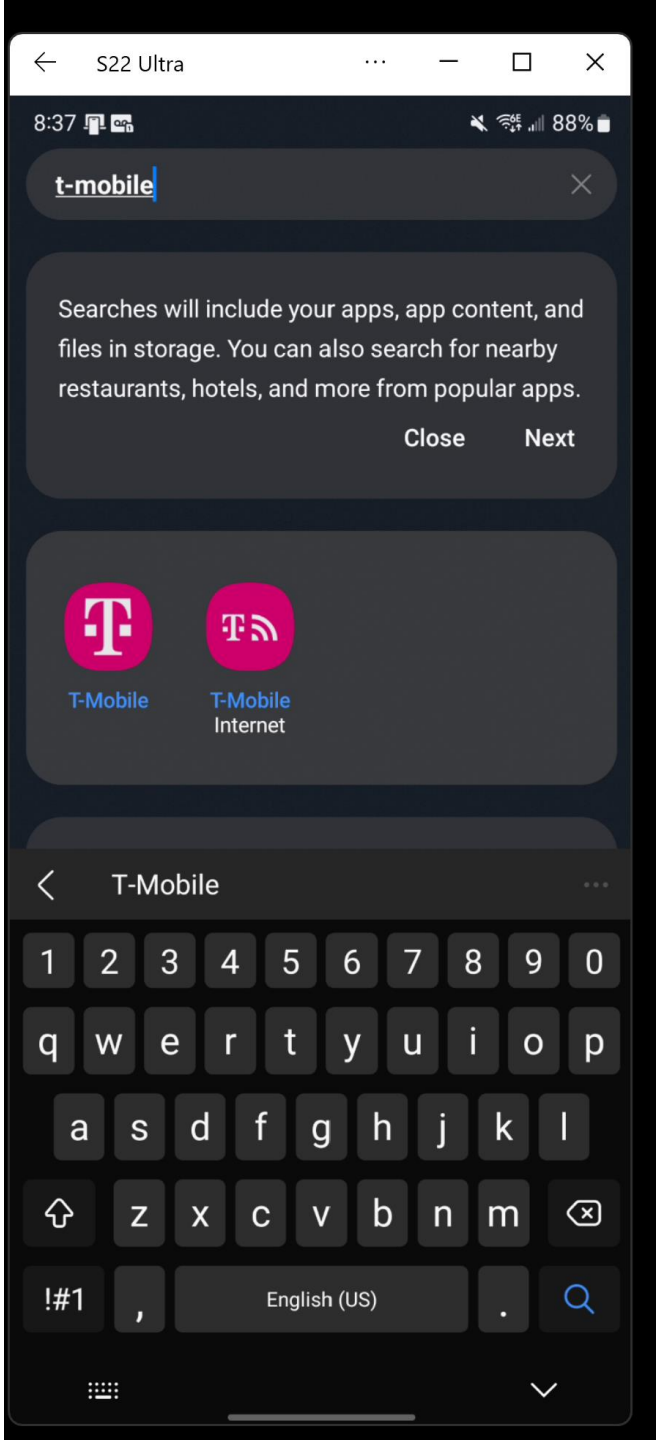
# USING THE "T-MOBILE INTERNET" APP (continued)

- Get into the Search function of the store:


S22 Ultra
8:36
88%
Search for app...
6
F
For you
Top charts
Kids
Categories
Ends in 2 days
March Madness® on Paramount+
Don't miss a moment of The Big Dance®! Stre...
Paramount+ | Peak Str...
CBS Interactive, Inc.
Install
In-app purchases
Ads · Suggested for you
Candy Crush Saga
4.6★
TikTok
4.4★
Evony: The King's Return
3.8★
Based on your recent activity
Games
Apps
Offers
Books

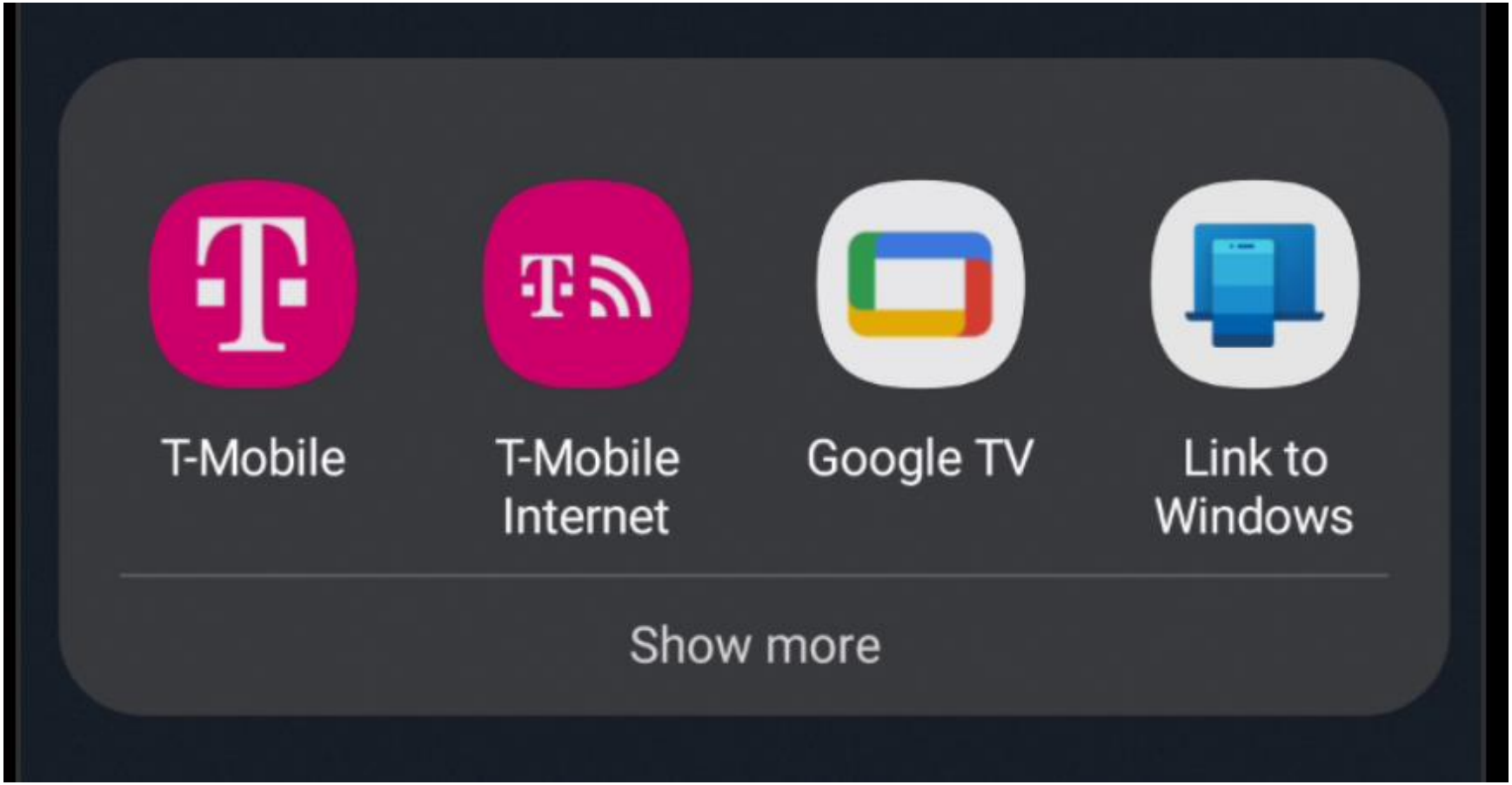
# USING THE "T-MOBILE INTERNET" APP (continued)

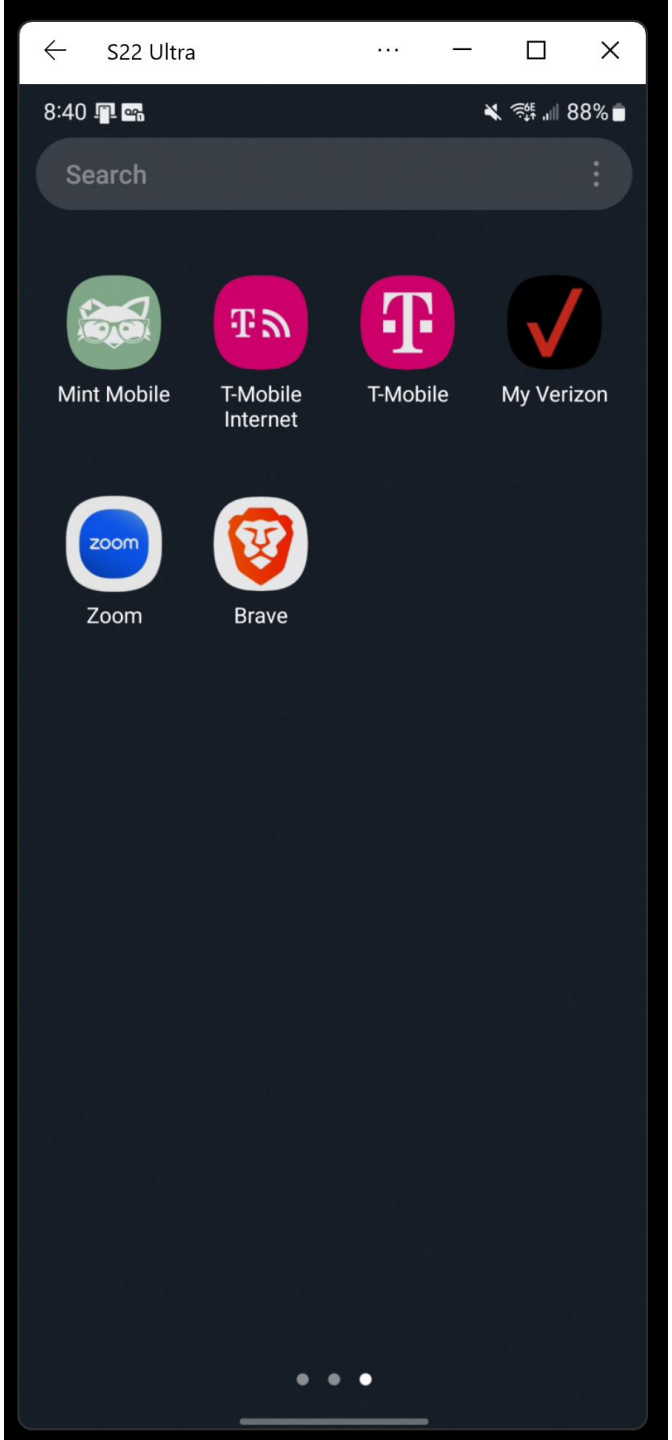
- Search for T-Mobile

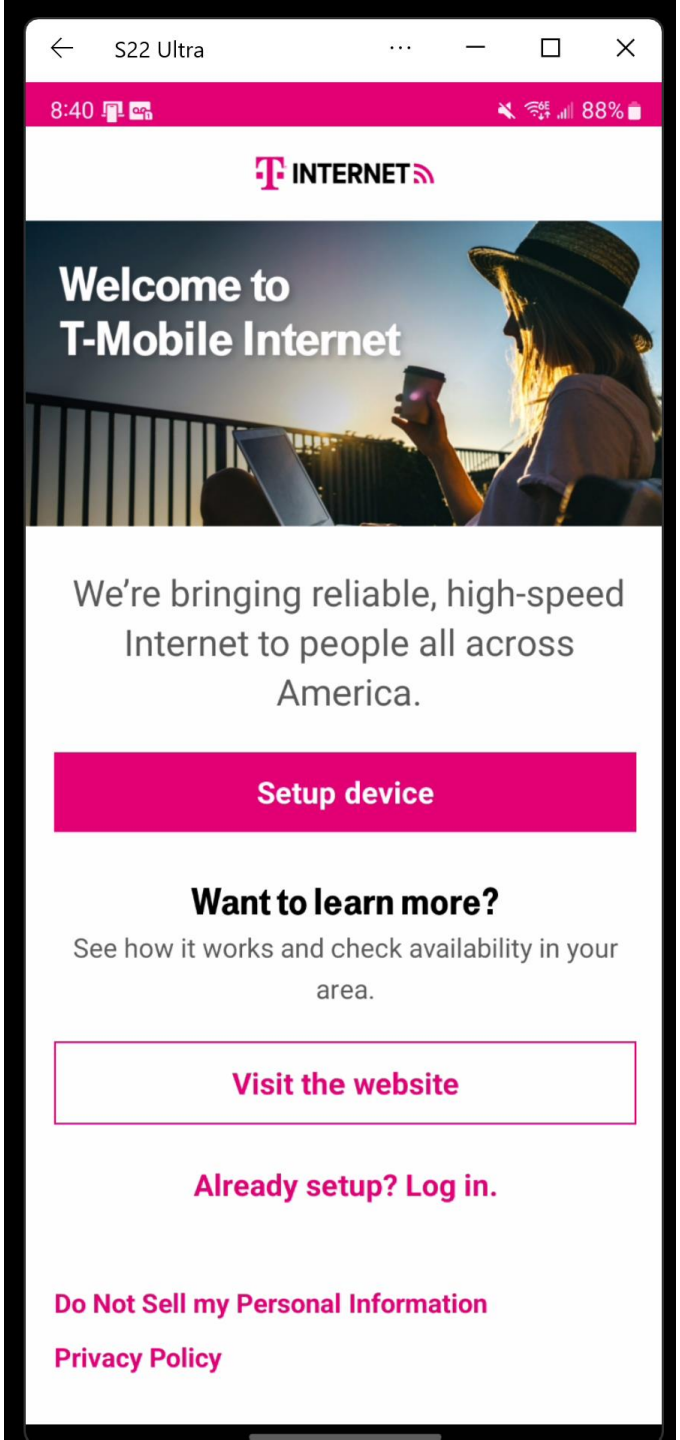

S22 Ultra
8:37
88%
t-mobile
Searches will include your apps, app content, and files in storage. You can also search for nearby restaurants, hotels, and more from popular apps.
Close
Next
T-Mobile
T-Mobile
Internet
T-Mobile
1 2 3 4 5 6 7 8 9 0
q w e r t y u i o p
a s d f g h j k l
z x c v b n m
!#1
English (US)

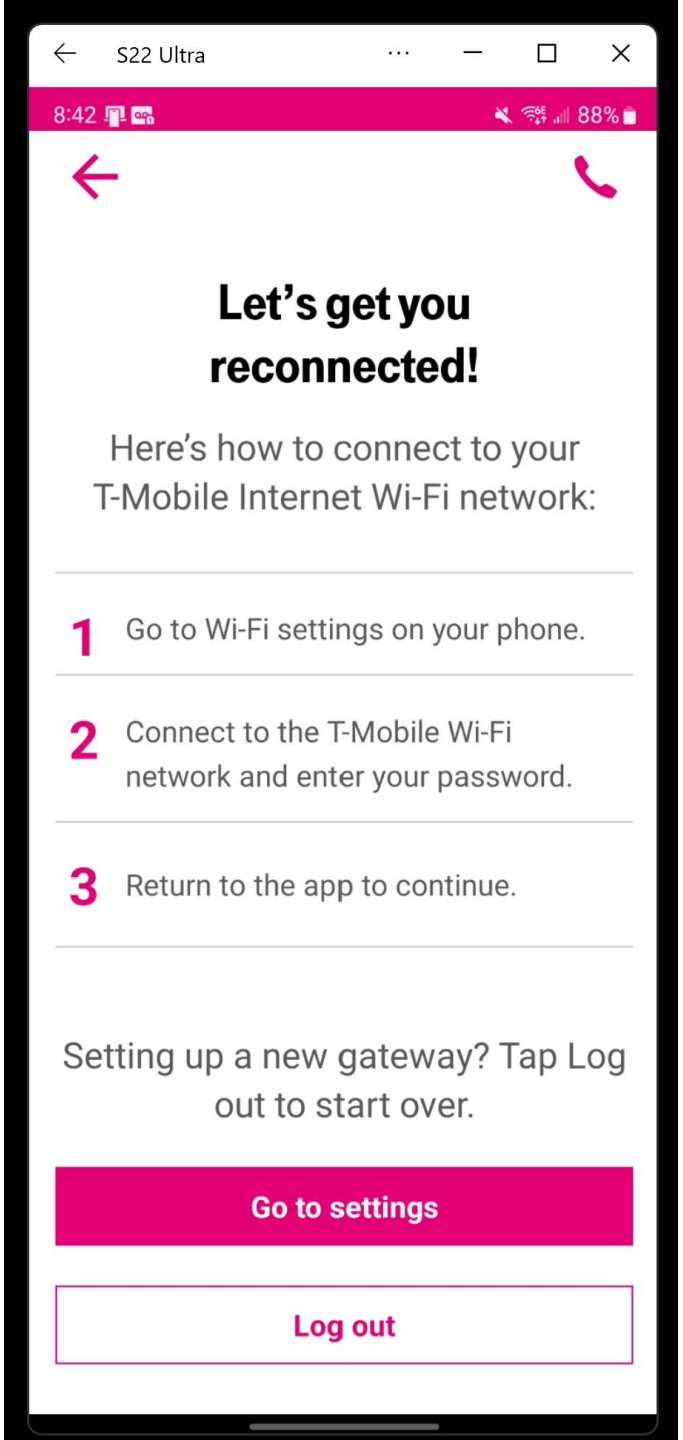
# USING THE "T-MOBILE INTERNET" APP (continued)

- You will need to install both the "T-Mobile" app
  and the
  "T-Mobile Internet" app:
  The "T-Mobile" app is for billing
  and the
  "T-Mobile Internet" app is for managing the gateway device:


T-Mobile
T-Mobile Internet
Google TV
Link to Windows
Show more

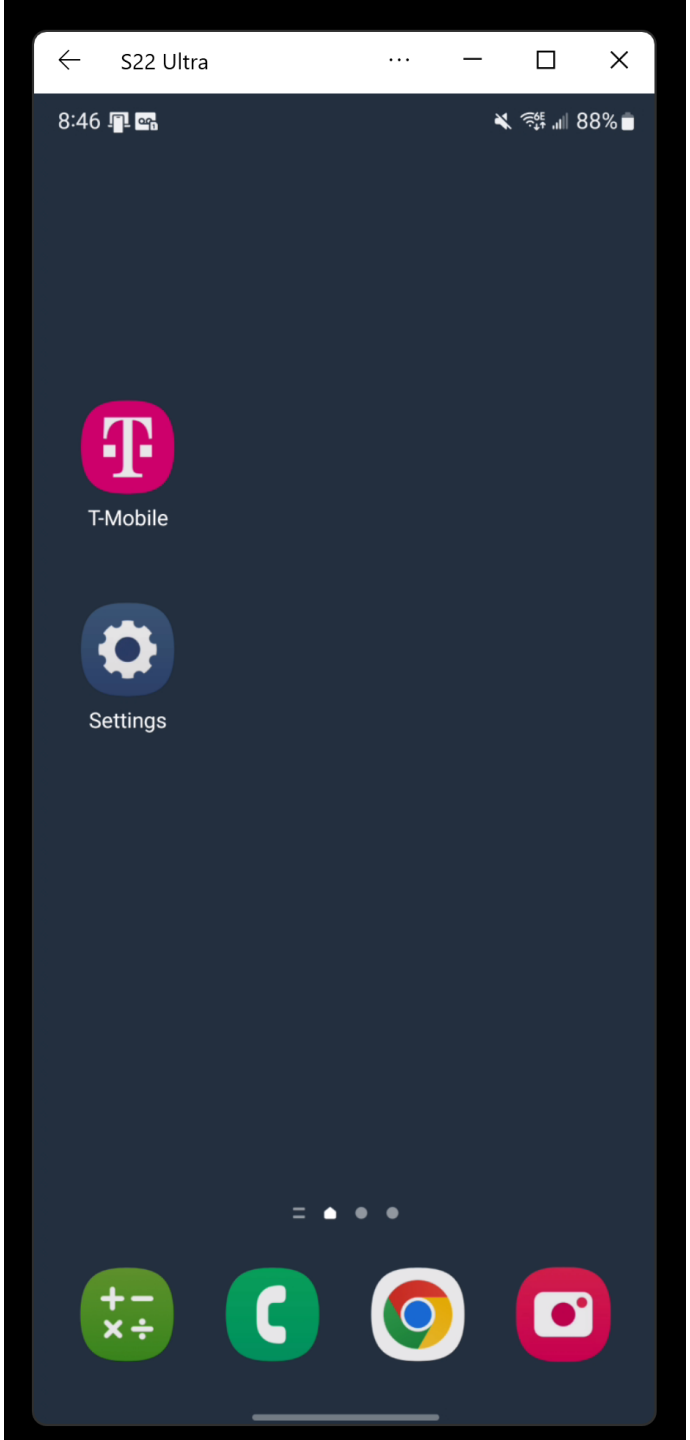

S22 Ultra
8:40
88%
Search
Mint Mobile
T-Mobile Internet
T-Mobile
My Verizon
Zoom
Brave


S22 Ultra
8:40
88%
INTERNET
Welcome to
T-Mobile Internet
We're bringing reliable, high-speed Internet to people all across America.
Setup device
Want to learn more?
See how it works and check availability in your area.
Visit the website
Already setup? Log in.
Do Not Sell my Personal Information
Privacy Policy


S22 Ultra
8:42
88%
Let's get you reconnected!
Here's how to connect to your T-Mobile Internet Wi-Fi network:
1 Go to Wi-Fi settings on your phone.
2 Connect to the T-Mobile Wi-Fi network and enter your password.
3 Return to the app to continue.
Setting up a new gateway? Tap Log out to start over.
Go to settings
Log out

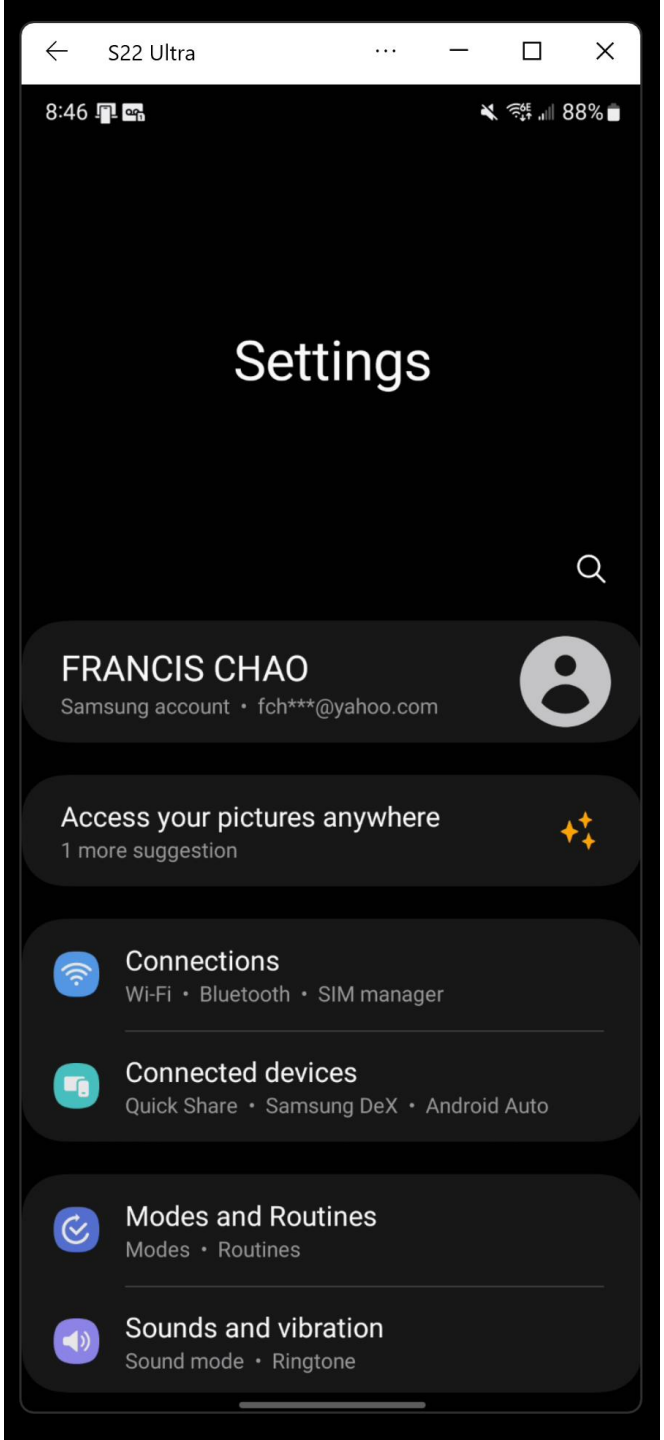
# USING THE "T-MOBILE INTERNET" APP (continued)

- Tap on "Settings":


S22 Ultra
8:46
88%
T-Mobile
Settings

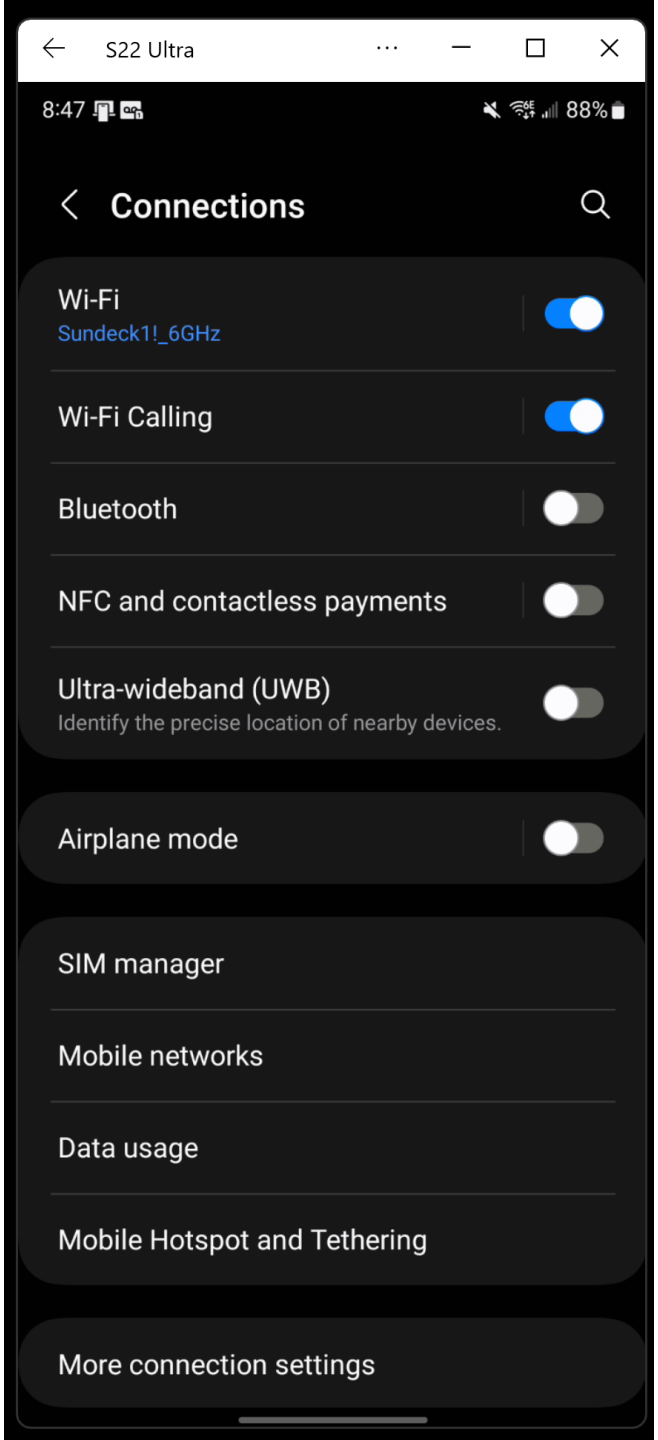
# USING THE "T-MOBILE INTERNET" APP (continued)

- Tap on "Connections":


S22 Ultra
8:46
88%
Settings
FRANCIS CHAO
Samsung account • fch***@yahoo.com
Access your pictures anywhere
1 more suggestion
Connections
Wi-Fi • Bluetooth • SIM manager
Connected devices
Quick Share • Samsung DeX • Android Auto
Modes and Routines
Modes • Routines
Sounds and vibration
Sound mode • Ringtone

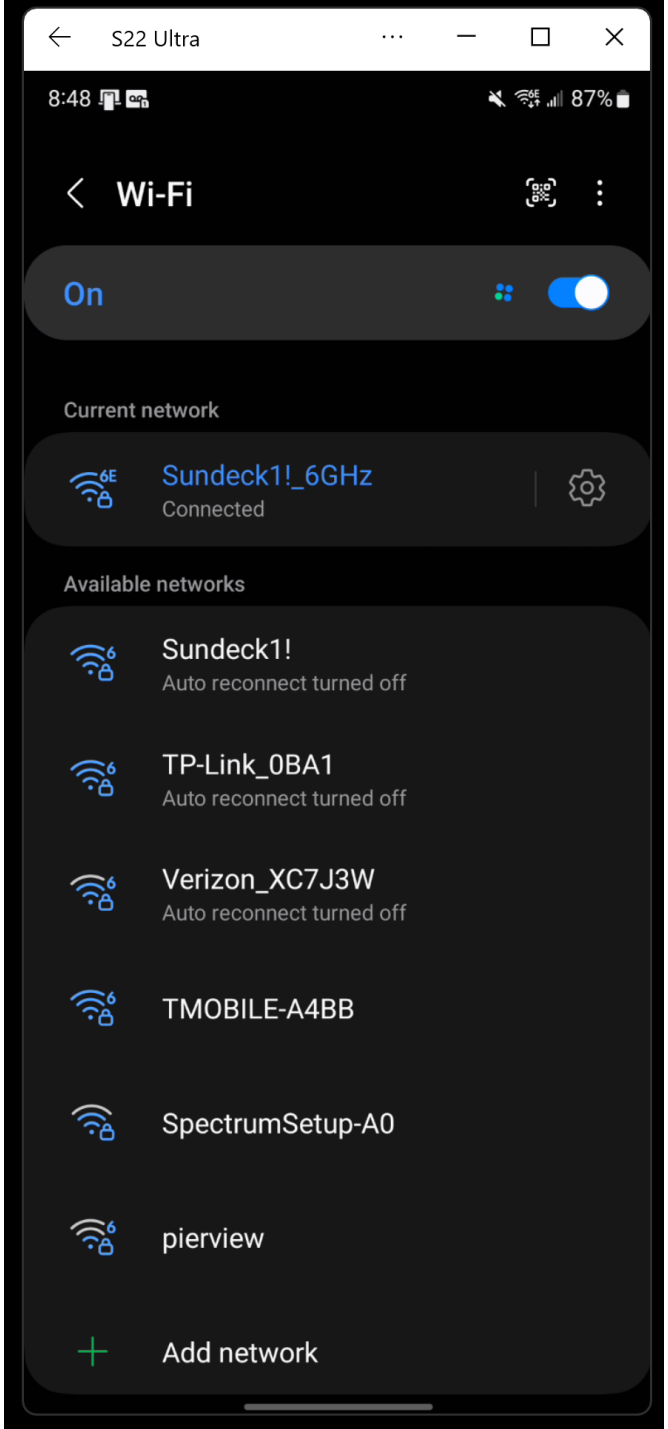
# USING THE "T-MOBILE INTERNET" APP (continued)

- If "Wi-Fi" is not connected to the "Service Set Identifier" of the T-Mobile gateway, tap on the "Service Set Identifier" that the cell phone is currently attached to:


S22 Ultra
8:47
88%
Connections
Wi-Fi
Sundeck1!_6GHz
Wi-Fi Calling
Bluetooth
NFC and contactless payments
Ultra-wideband (UWB)
Identify the precise location of nearby devices.
Airplane mode
SIM manager
Mobile networks
Data usage
Mobile Hotspot and Tethering
More connection settings

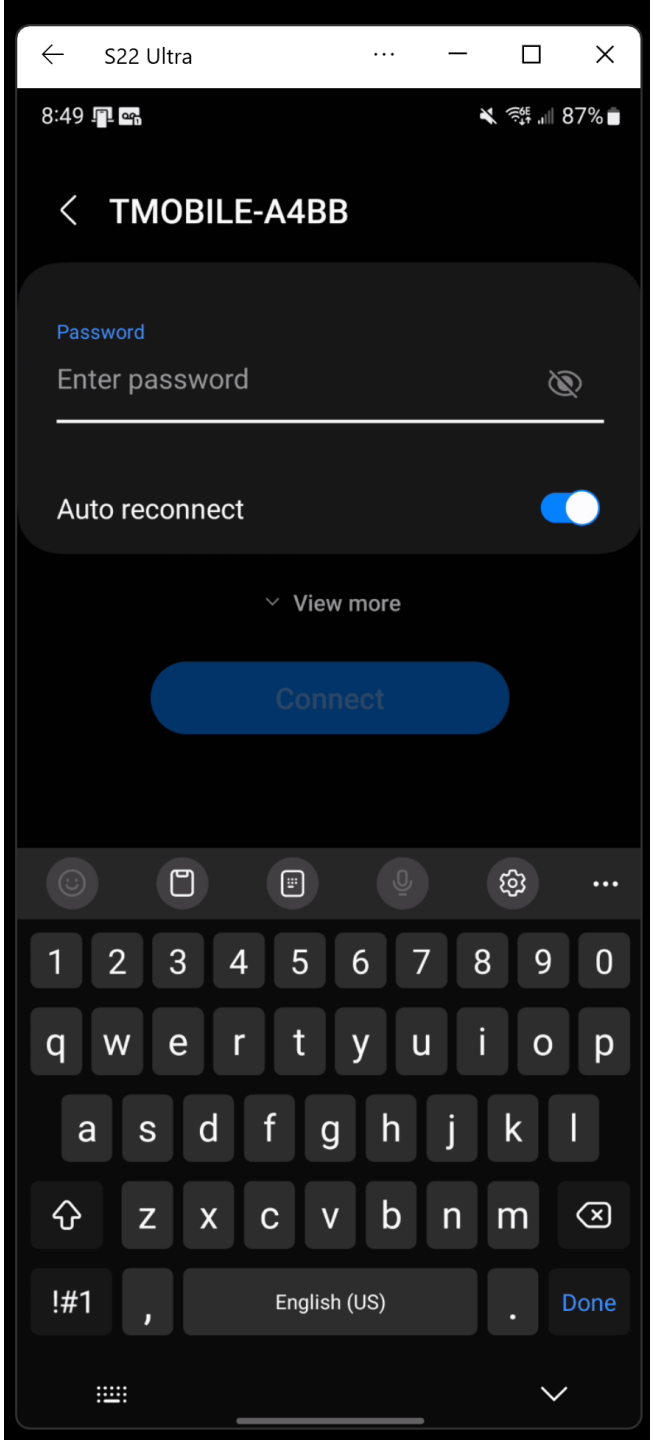
# USING THE "T-MOBILE INTERNET" APP (continued)

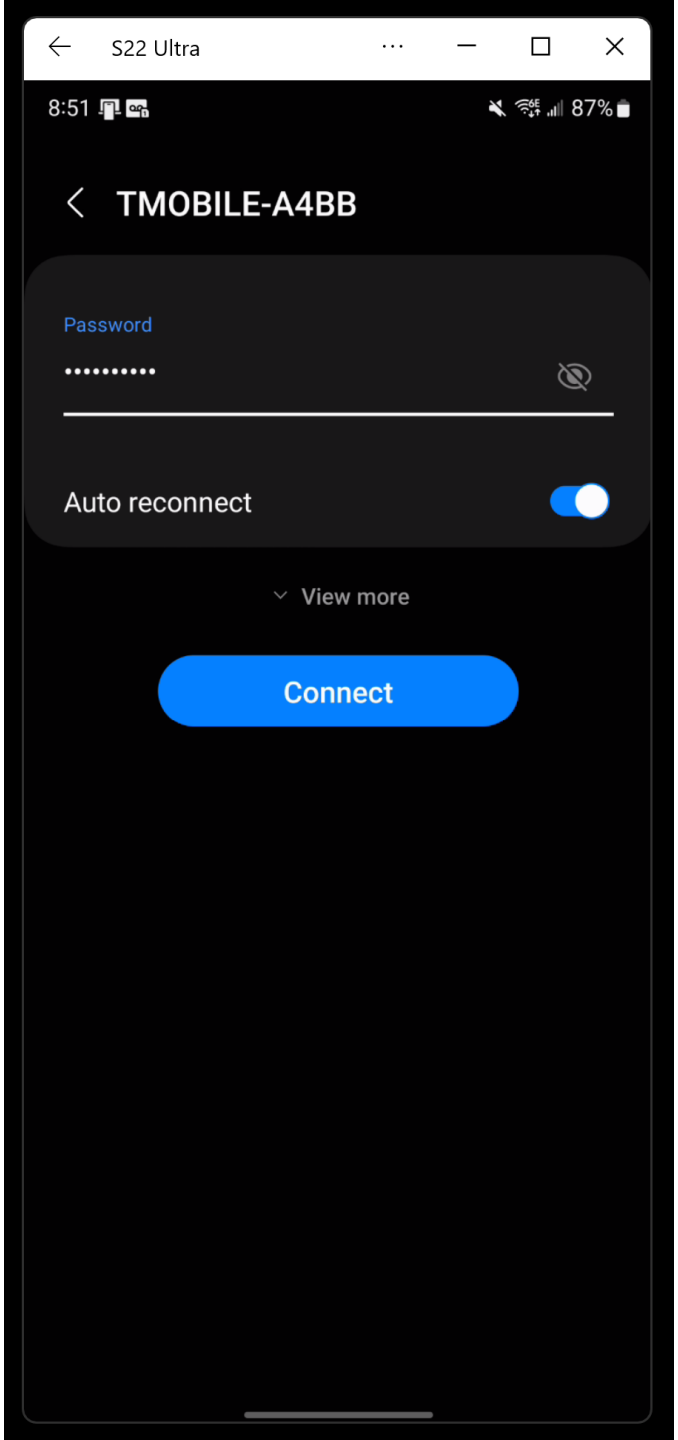
- If "Wi-Fi" is not connected to the "Service Set Identifier" of the T-Mobile gateway, tap on the "Service Set Identifier" of the T-Mobile gateway:

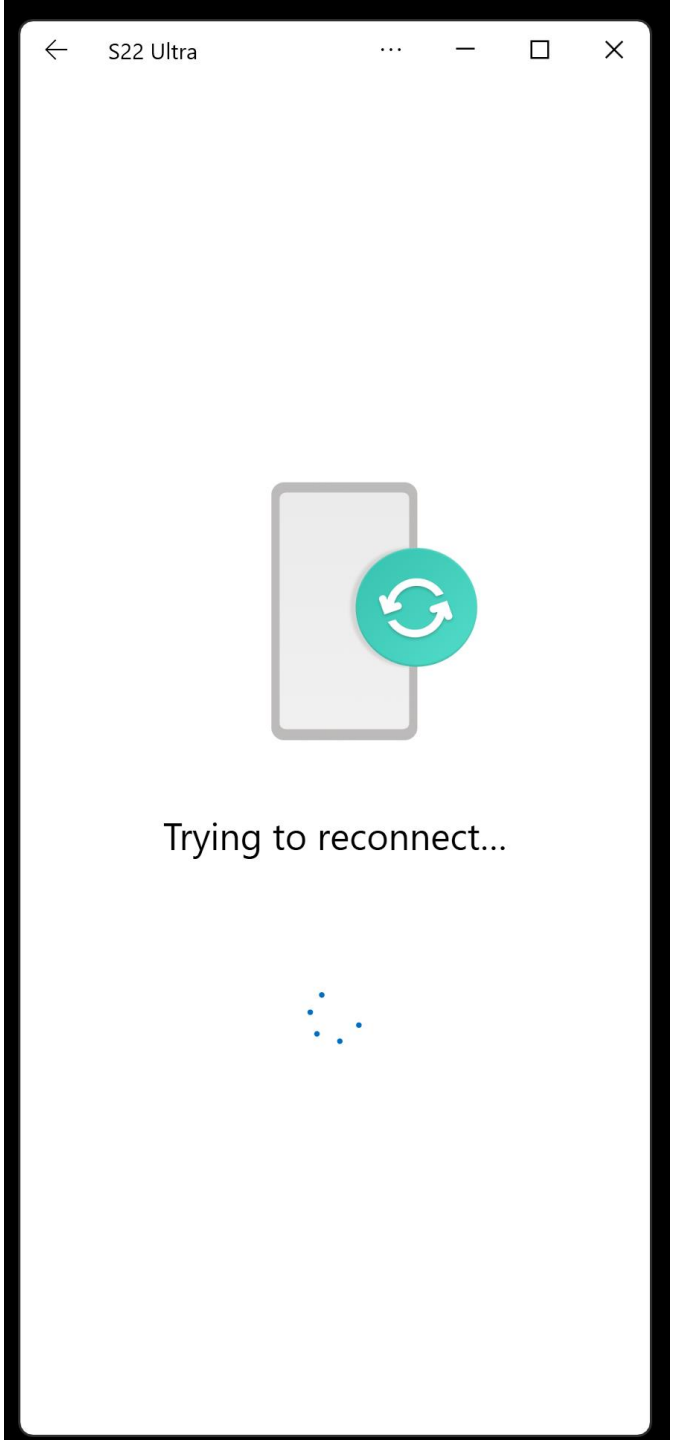

S22 Ultra
8:48
87%
Wi-Fi
On
Current network
Sundeck1!_6GHz
Connected
Available networks
Sundeck1!
Auto reconnect turned off
TP-Link_0BA1
Auto reconnect turned off
Verizon_XC7J3W
Auto reconnect turned off
TMOBILE-A4BB
SpectrumSetup-A0
pierview
Add network

# USING THE "T-MOBILE INTERNET" APP (continued)

- Enter the password for the SSID of the T-Mobile gateway (the password is on the label at the bottom of the T-Mobile gateway).
  Then tap on "Connect":

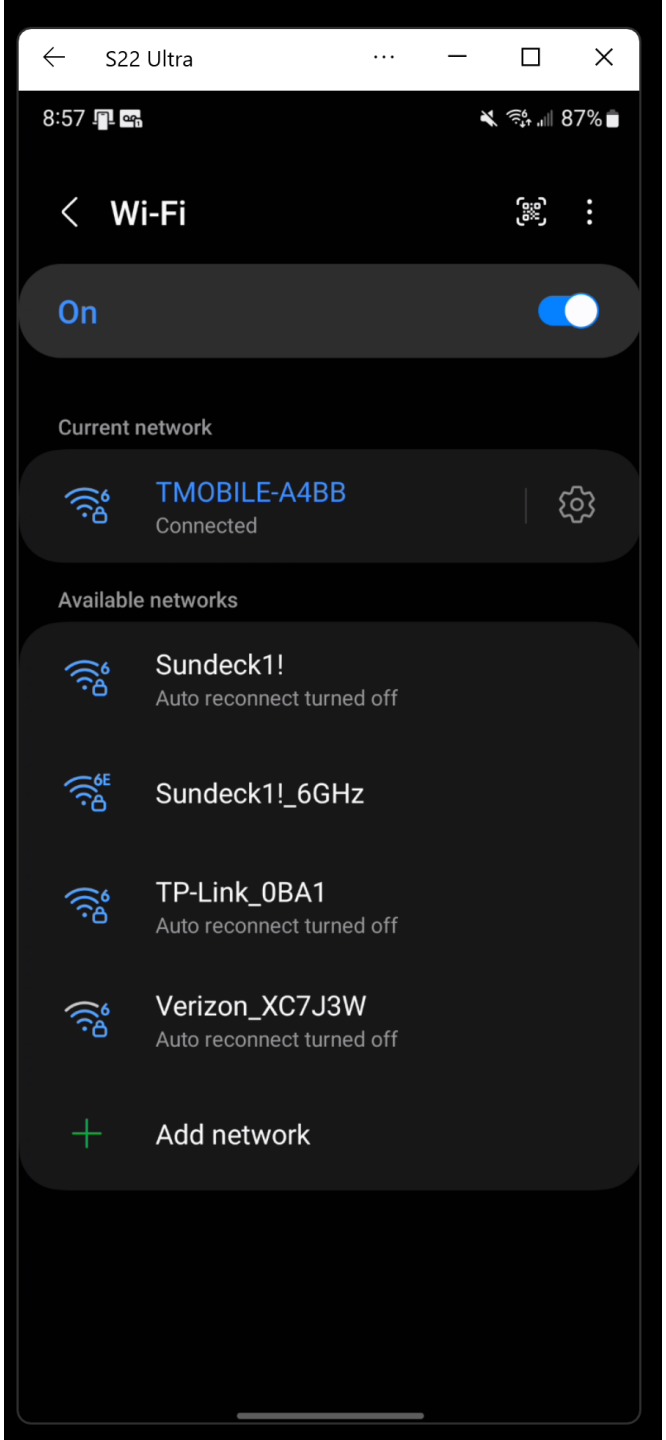

S22 Ultra
8:49
87%
TMOBILE-A4BB
Password
Enter password
Auto reconnect
View more
Connect
1 2 3 4 5 6 7 8 9 0
q w e r t y u i o p
a s d f g h j k l
z x c v b n m
!#1
English (US)
Done

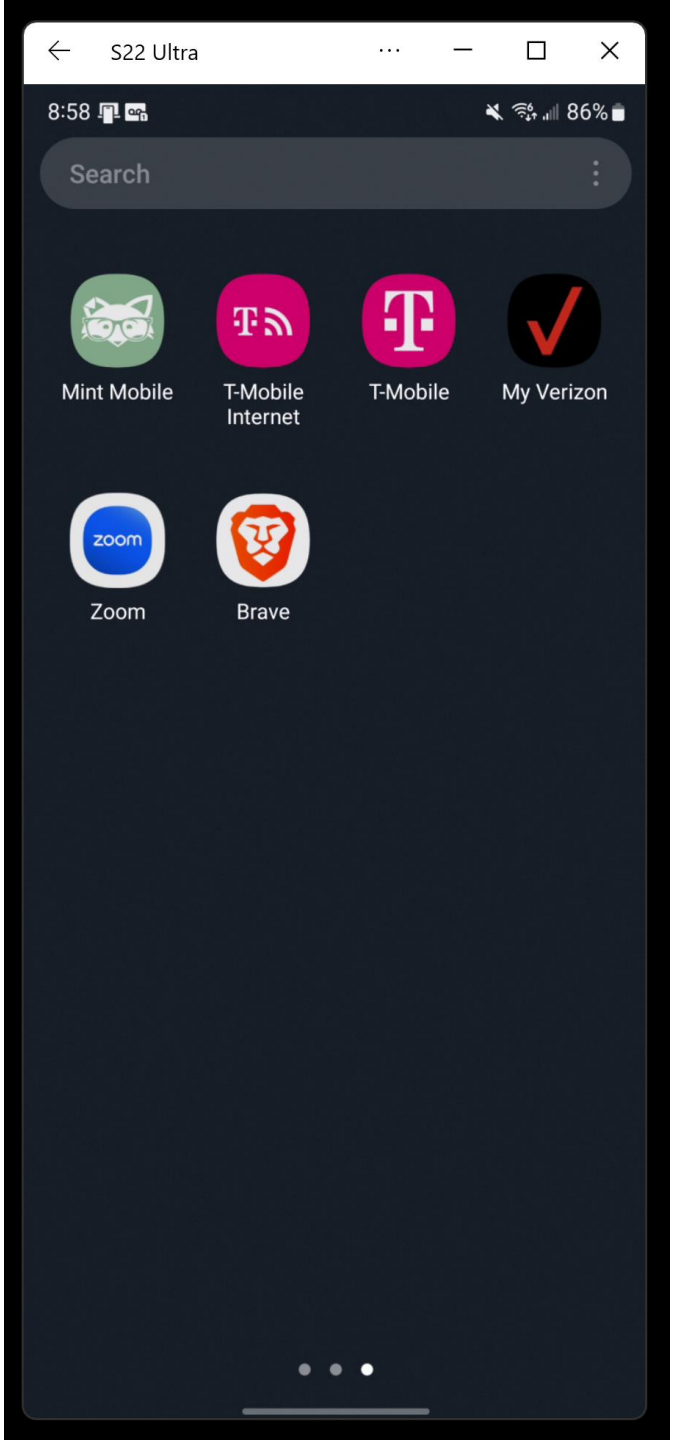

S22 Ultra
8:51
87%
TMOBILE-A4BB
Password
Auto reconnect
View more
Connect


S22 Ultra
Trying to reconnect...

# USING THE "T-MOBILE INTERNET" APP (continued)

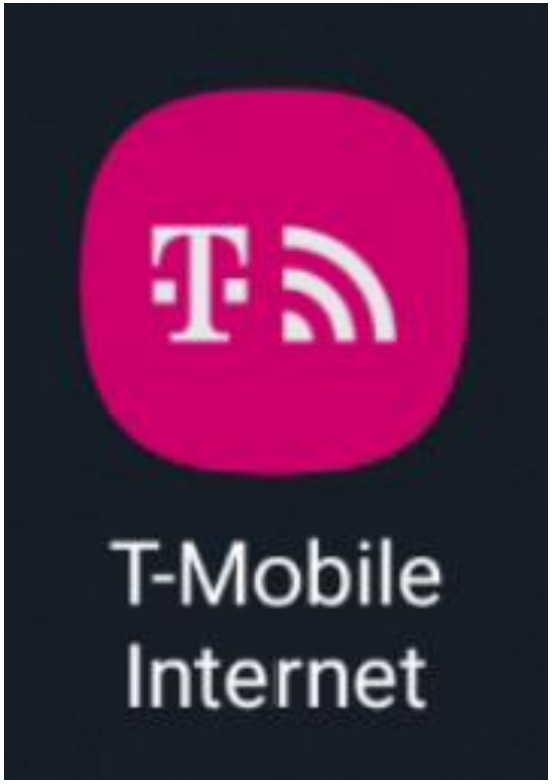
- The Service Set Identifier of the T-Mobile gateway should now be listed as "Connected":


S22 Ultra
8:57
87%
Wi-Fi
On
Current network
TMOBILE-A4BB
Connected
Available networks
Sundeck1!
Auto reconnect turned off
Sundeck1!_6GHz
TP-Link_0BA1
Auto reconnect turned off
Verizon_XC7J3W
Auto reconnect turned off
Add network


S22 Ultra
8:58
86%
Search
Mint Mobile
T-Mobile Internet
T-Mobile
My Verizon
Zoom
Zoom
Brave

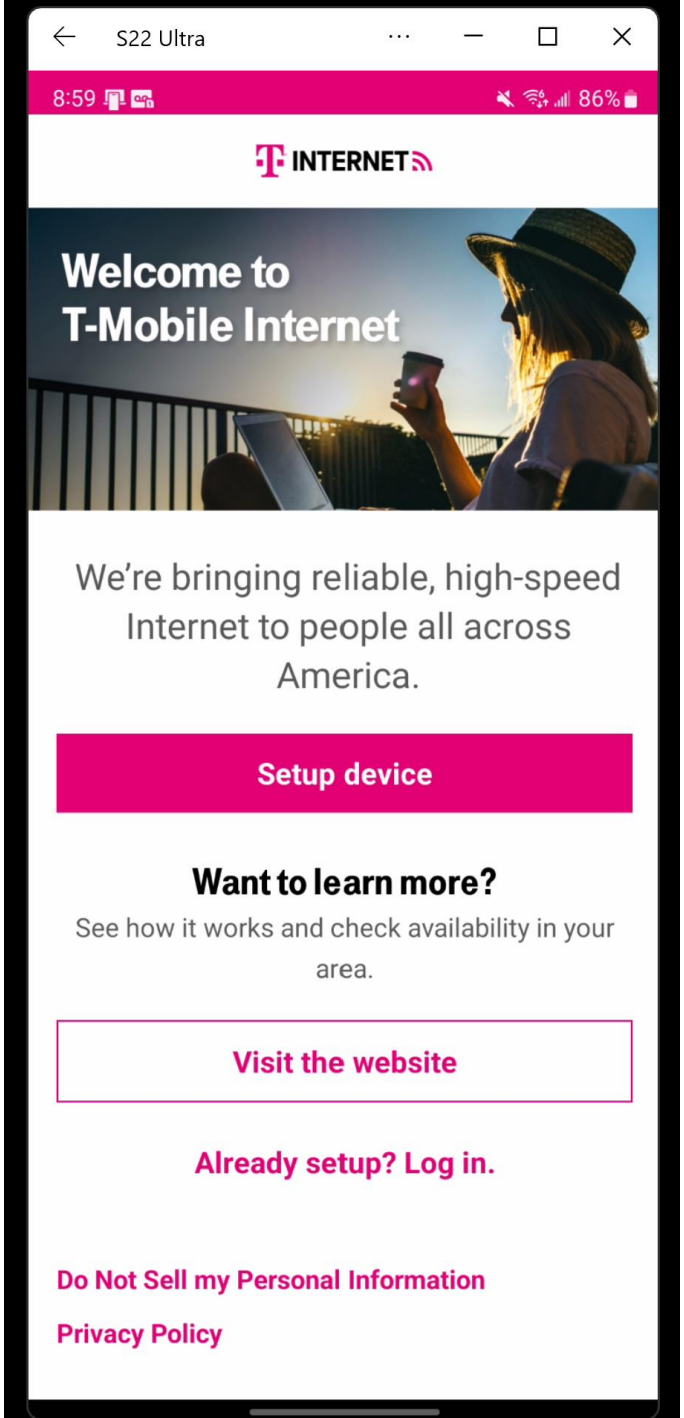
# USING THE "T-MOBILE INTERNET" APP (continued)

- Tap on "T-Mobile Internet":


T-Mobile
Internet

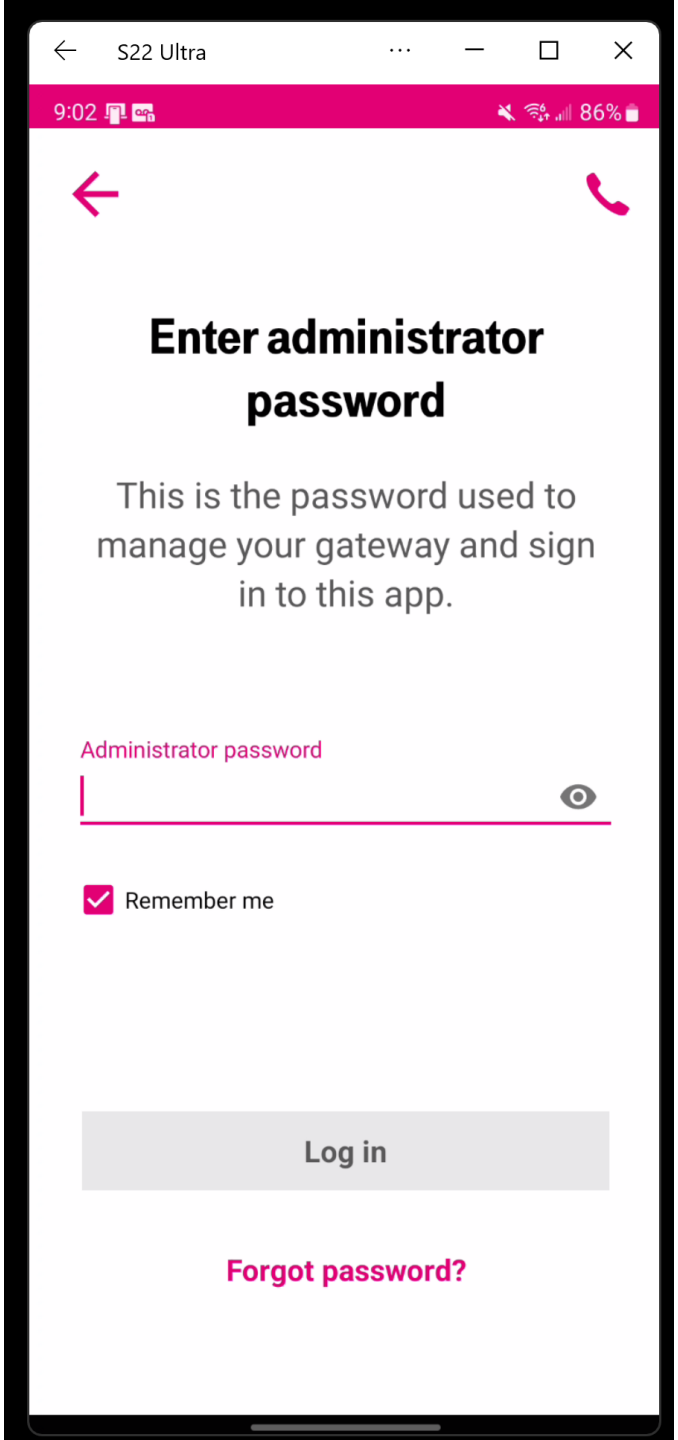
# USING THE "T-MOBILE INTERNET" APP (continued)

- Tap on "Log in":


S22 Ultra
8:59
86%
INTERNET
Welcome to
T-Mobile Internet
We're bringing reliable, high-speed Internet to people all across America.
Setup device
Want to learn more?
See how it works and check availability in your area.
Visit the website
Already setup? Log in.
Do Not Sell my Personal Information
Privacy Policy

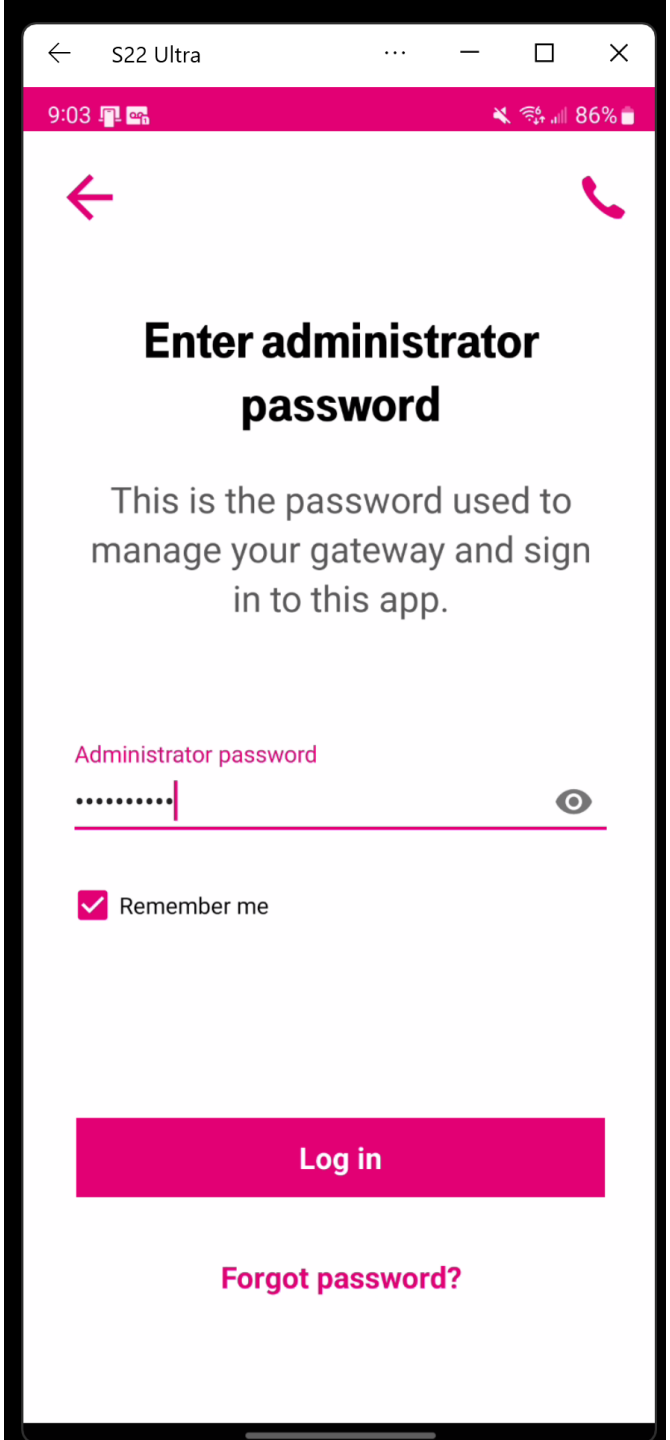
# USING THE "T-MOBILE INTERNET" APP (continued)

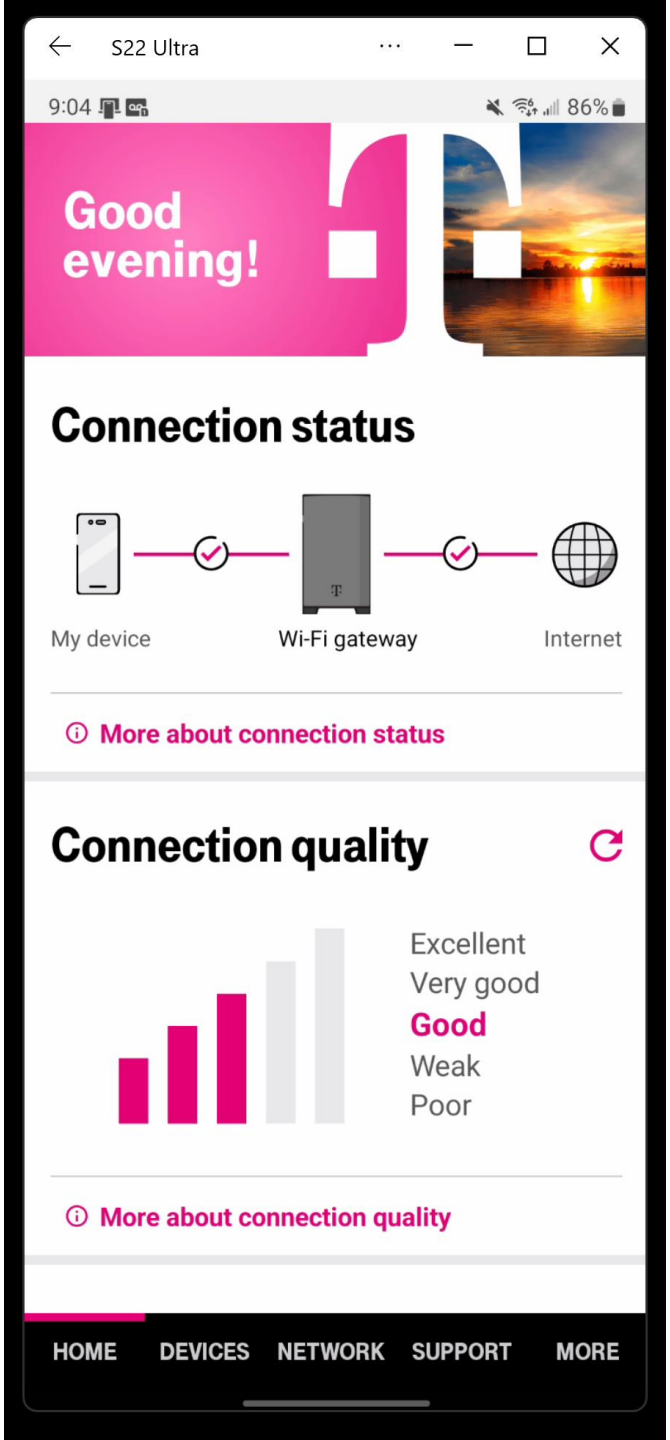
- Type in the password. (It is on the label at the bottom of the T-Mobile gateway):

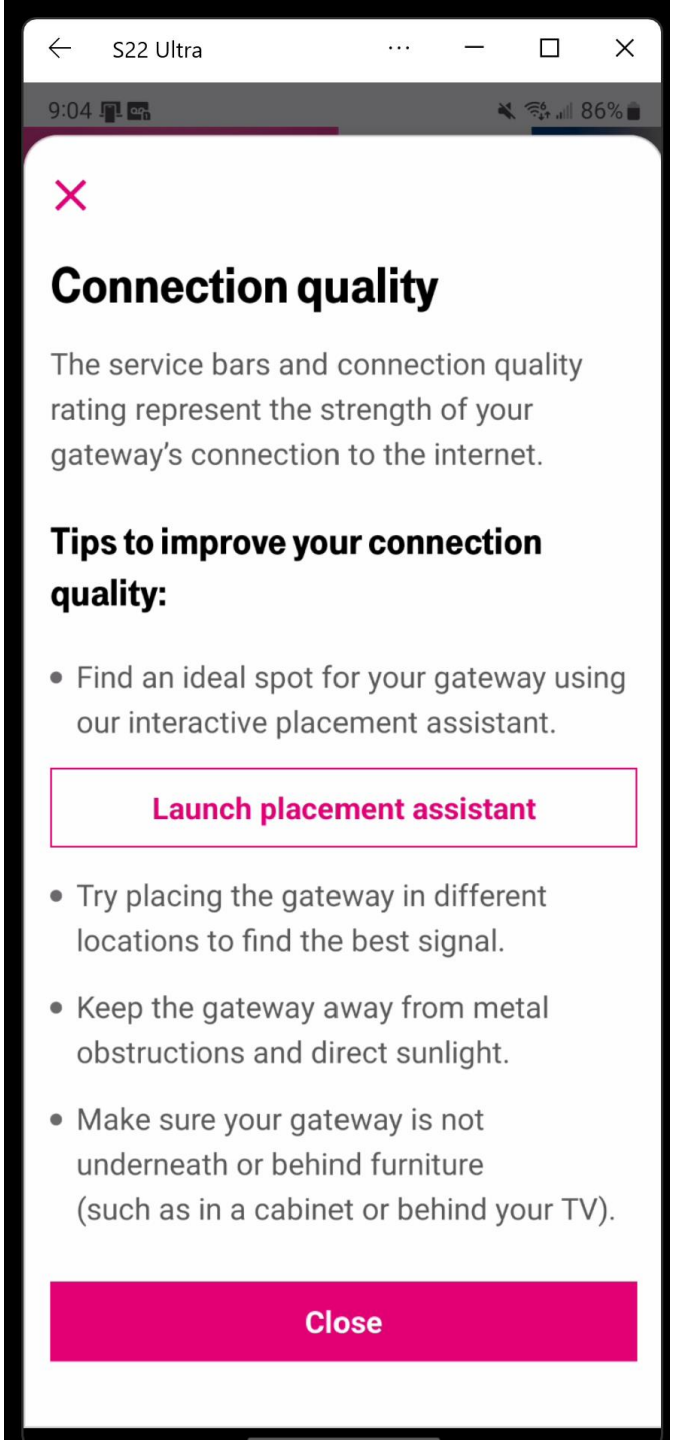

S22 Ultra
9:02
86%
Enter administrator password
This is the password used to manage your gateway and sign in to this app.
Administrator password
Remember me
Log in
Forgot password?

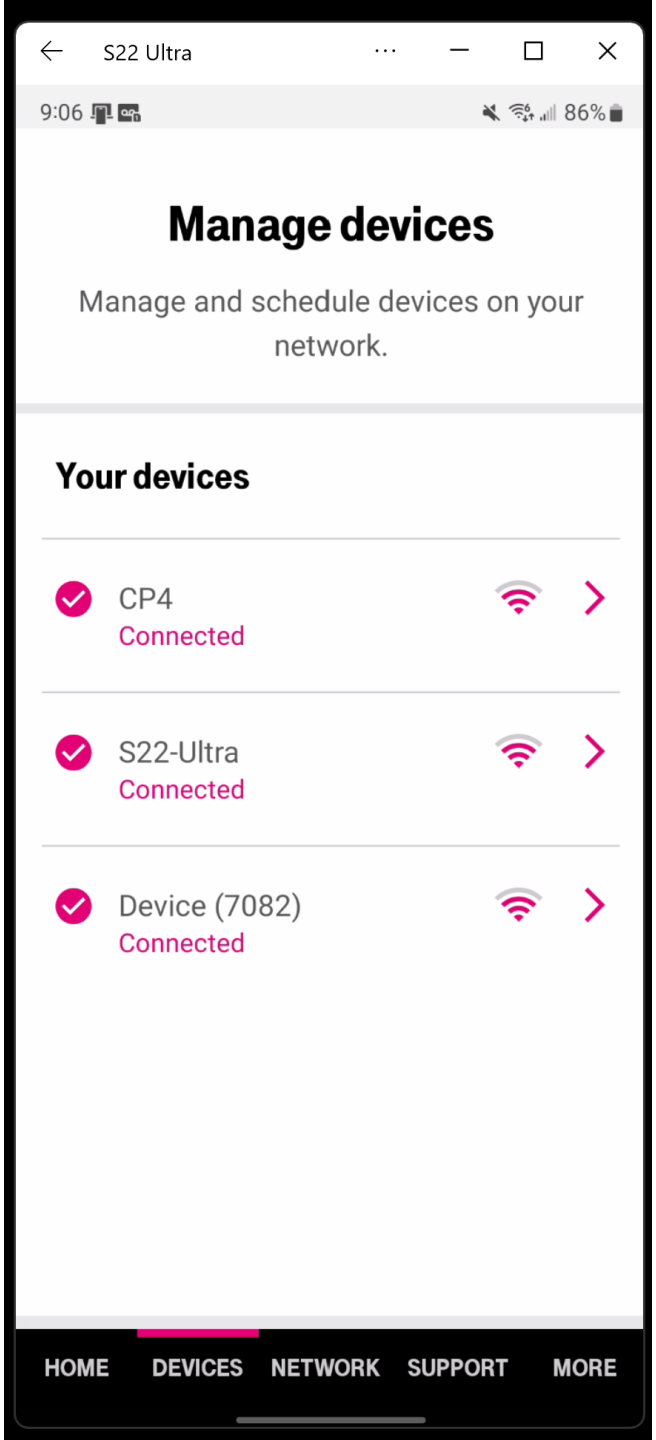
# USING THE "T-MOBILE INTERNET" APP (continued)

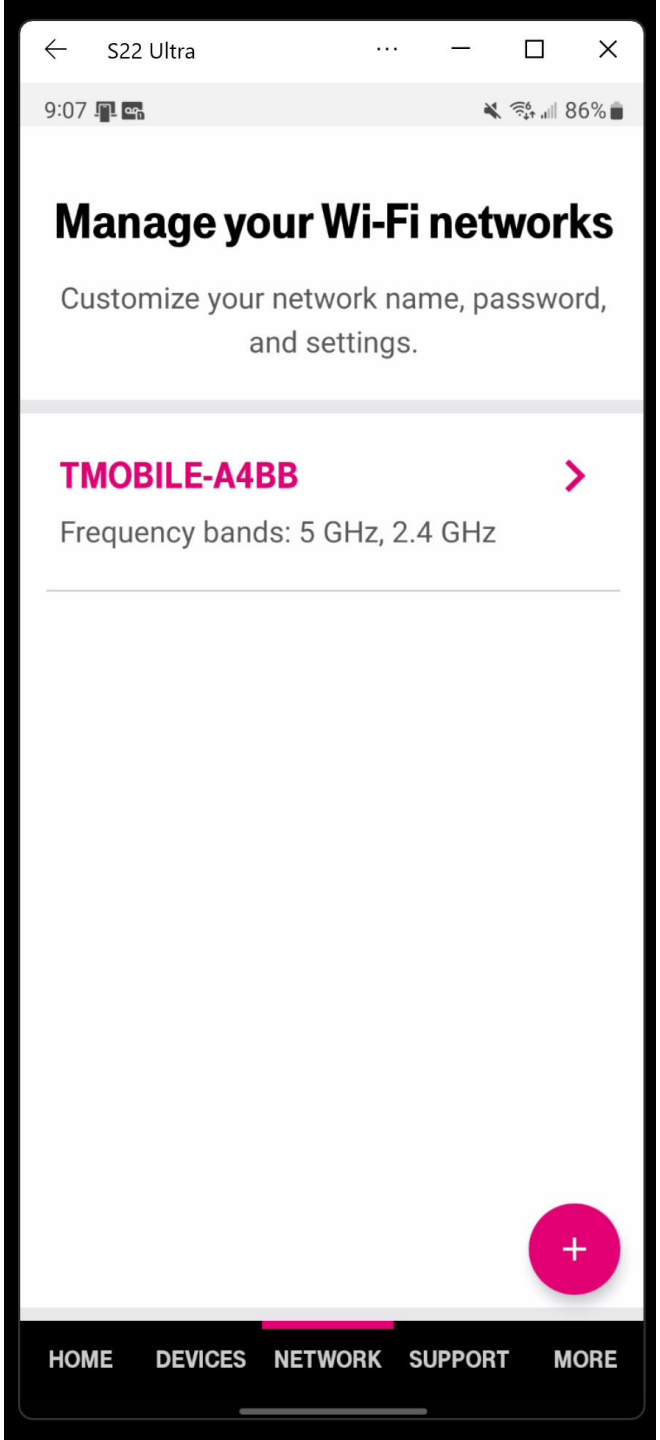
- Tap on "Log in":

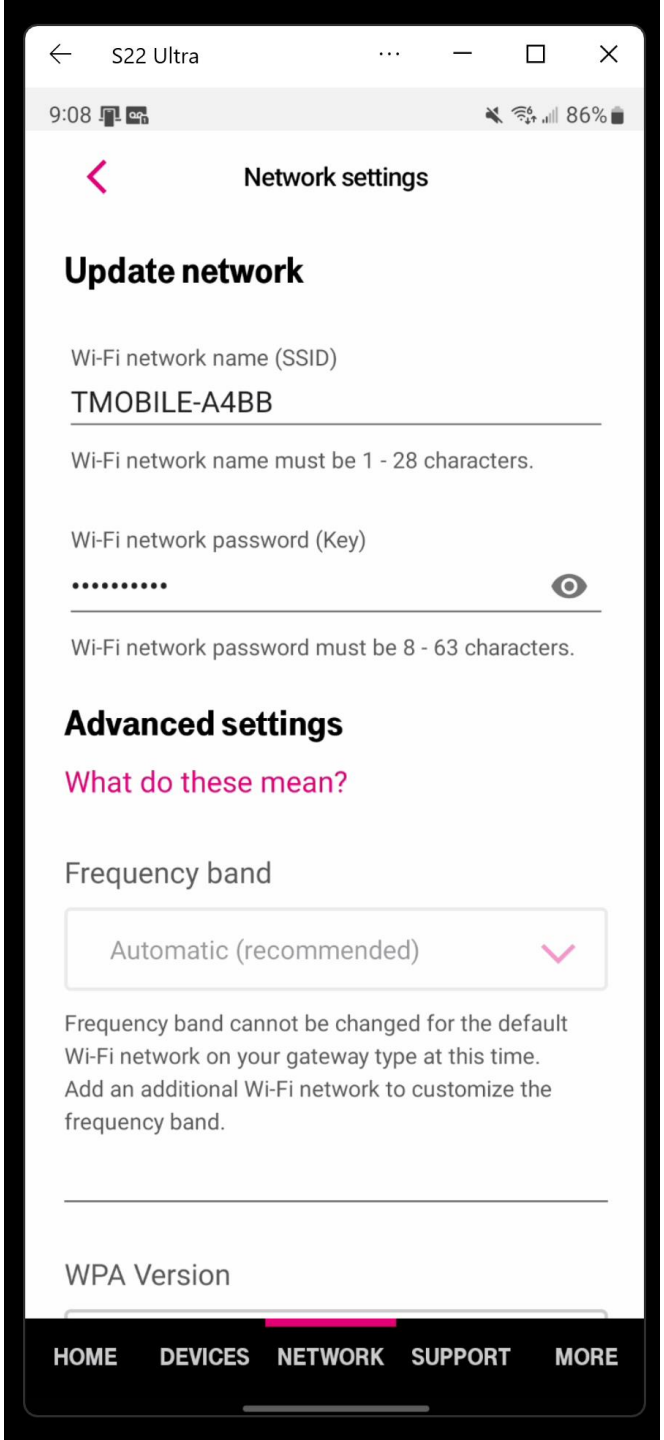

S22 Ultra
9:03
86%
Enter administrator password
This is the password used to manage your gateway and sign in to this app.
Administrator password
Remember me
Log in
Forgot password?

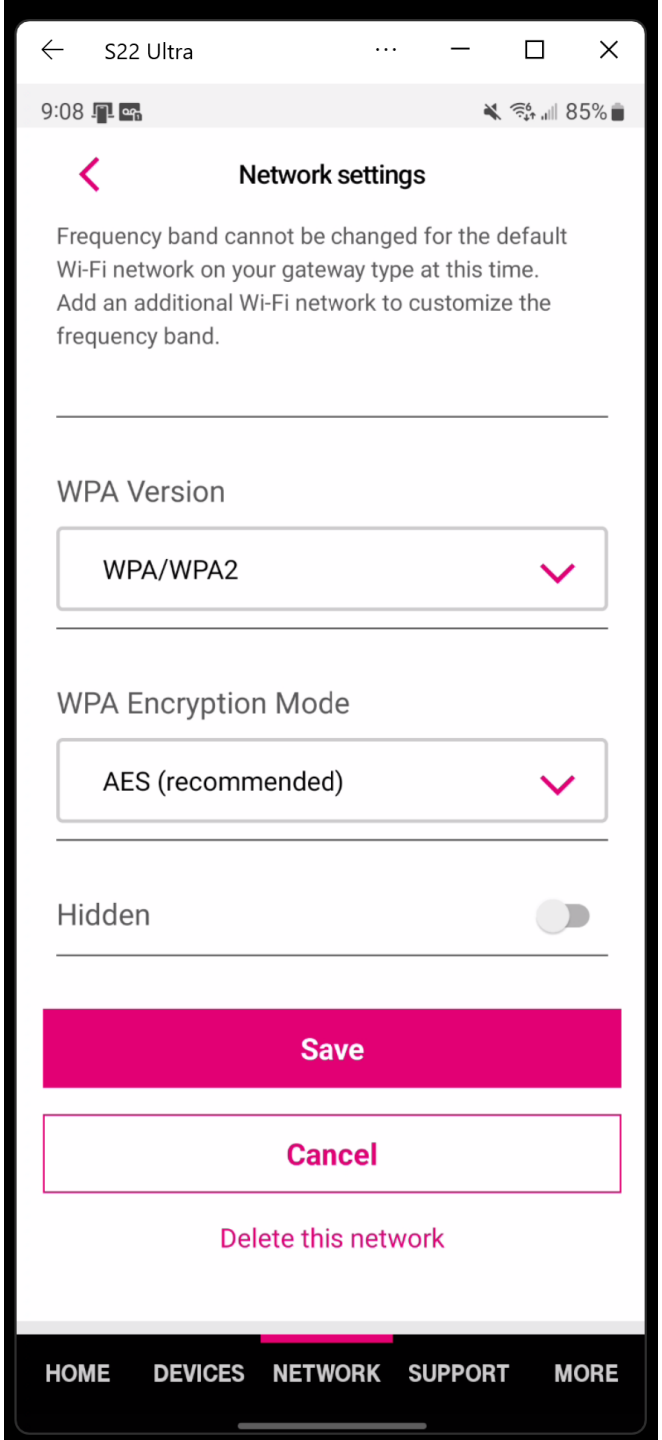

S22 Ultra
9:04
86%
Good evening!
Connection status
My device
Wi-Fi gateway
Internet
More about connection status
Connection quality
Excellent
Very good
Good
Weak
Poor
More about connection quality
HOME
DEVICES
NETWORK
SUPPORT
MORE

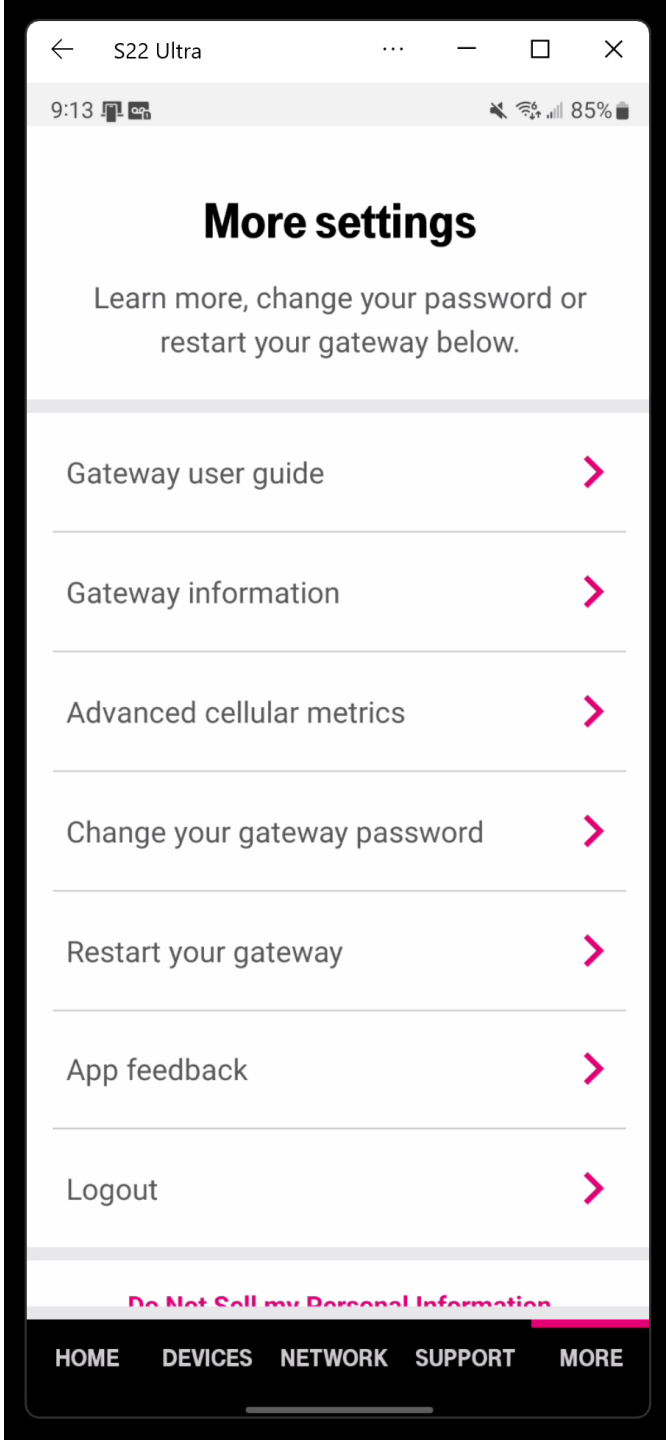

S22 Ultra
9:04
86%
Connection quality
The service bars and connection quality rating represent the strength of your gateway's connection to the internet.
Tips to improve your connection quality:
Find an ideal spot for your gateway using our interactive placement assistant.
Launch placement assistant
Try placing the gateway in different locations to find the best signal.
Keep the gateway away from metal obstructions and direct sunlight.
Make sure your gateway is not underneath or behind furniture (such as in a cabinet or behind your TV).
Close


S22 Ultra
9:06
86%
Manage devices
Manage and schedule devices on your network.
Your devices
CP4
Connected
S22-Ultra
Connected
Device (7082)
Connected
HOME
DEVICES
NETWORK
SUPPORT
MORE

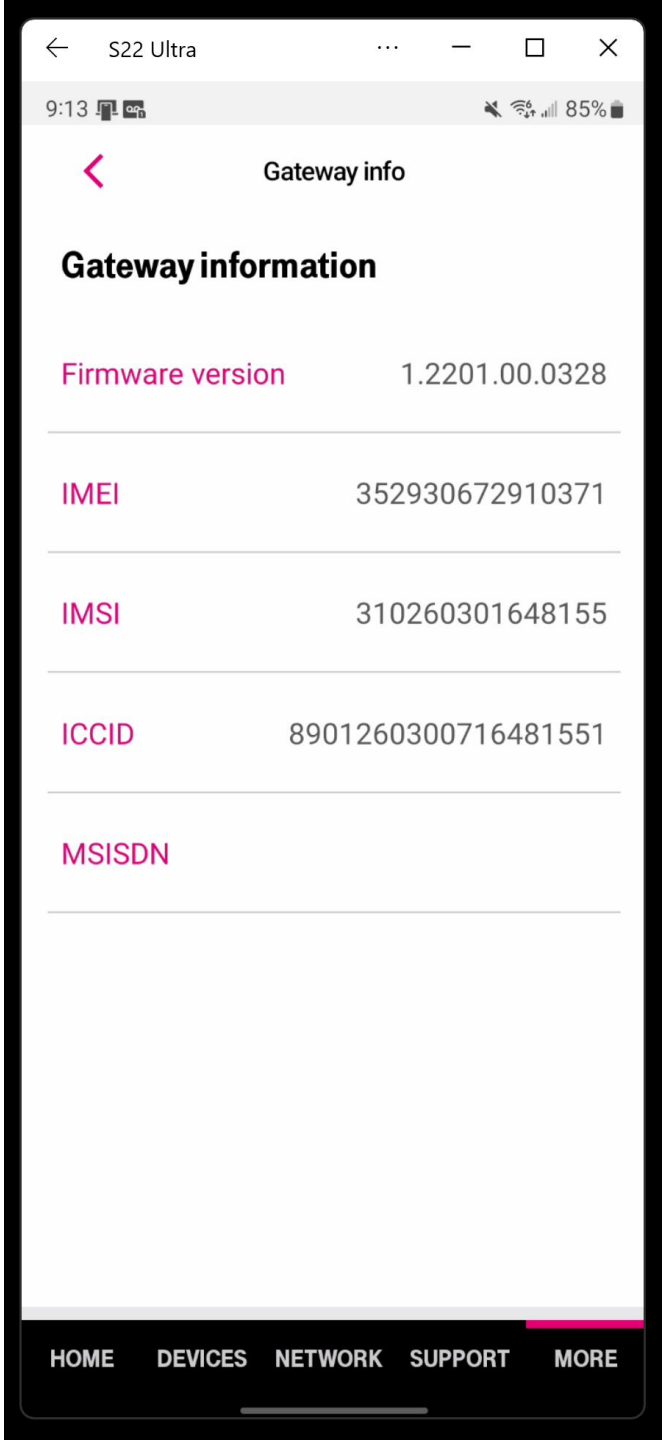

S22 Ultra
9:07
86%
Manage your Wi-Fi networks
Customize your network name, password, and settings.
TMOBILE-A4BB
Frequency bands: 5 GHz, 2.4 GHz
HOME
DEVICES
NETWORK
SUPPORT
MORE

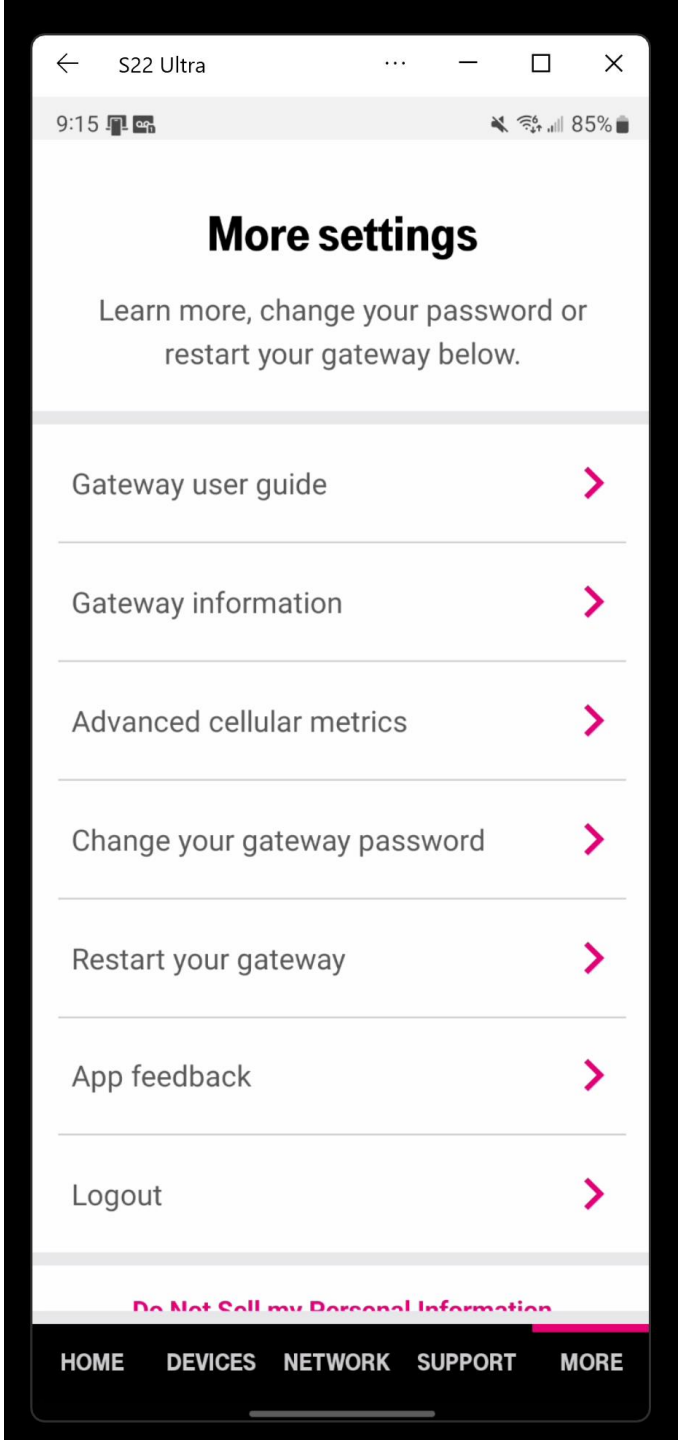

S22 Ultra
9:08
86%
Network settings
Update network
Wi-Fi network name (SSID)
TMOBILE-A4BB
Wi-Fi network name must be 1 - 28 characters.
Wi-Fi network password (Key)
Wi-Fi network password must be 8 - 63 characters.
Advanced settings
What do these mean?
Frequency band
Automatic (recommended)
Frequency band cannot be changed for the default Wi-Fi network on your gateway type at this time. Add an additional Wi-Fi network to customize the frequency band.
WPA Version
HOME
DEVICES
NETWORK
SUPPORT
MORE


S22 Ultra
9:08
85%
Network settings
Frequency band cannot be changed for the default Wi-Fi network on your gateway type at this time. Add an additional Wi-Fi network to customize the frequency band.
WPA Version
WPA/WPA2
WPA Encryption Mode
AES (recommended)
Hidden
Save
Cancel
Delete this network
HOME
DEVICES
NETWORK
SUPPORT
MORE


S22 Ultra
9:13
85%
More settings
Learn more, change your password or restart your gateway below.
Gateway user guide
Gateway information
Advanced cellular metrics
Change your gateway password
Restart your gateway
App feedback
Logout
HOME
DEVICES
NETWORK
SUPPORT
MORE

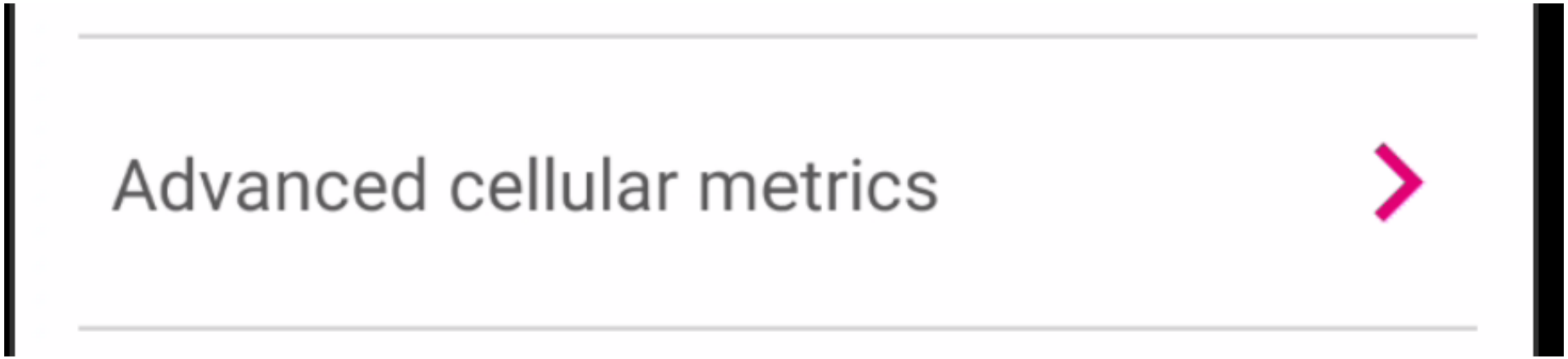
Gateway information


S22 Ultra
9:13
85%
Gateway info
Gateway information
Firmware version
1.2201.00.0328
IMEI
352930672910371
IMSI
310260301648155
ICCID
8901260300716481551
MSISDN
HOME
DEVICES
NETWORK
SUPPORT
MORE


S22 Ultra
9:15
85%
More settings
Learn more, change your password or restart your gateway below.
Gateway user guide
Gateway information
Advanced cellular metrics
Change your gateway password
Restart your gateway
App feedback
Logout
HOME
DEVICES
NETWORK
SUPPORT
MORE

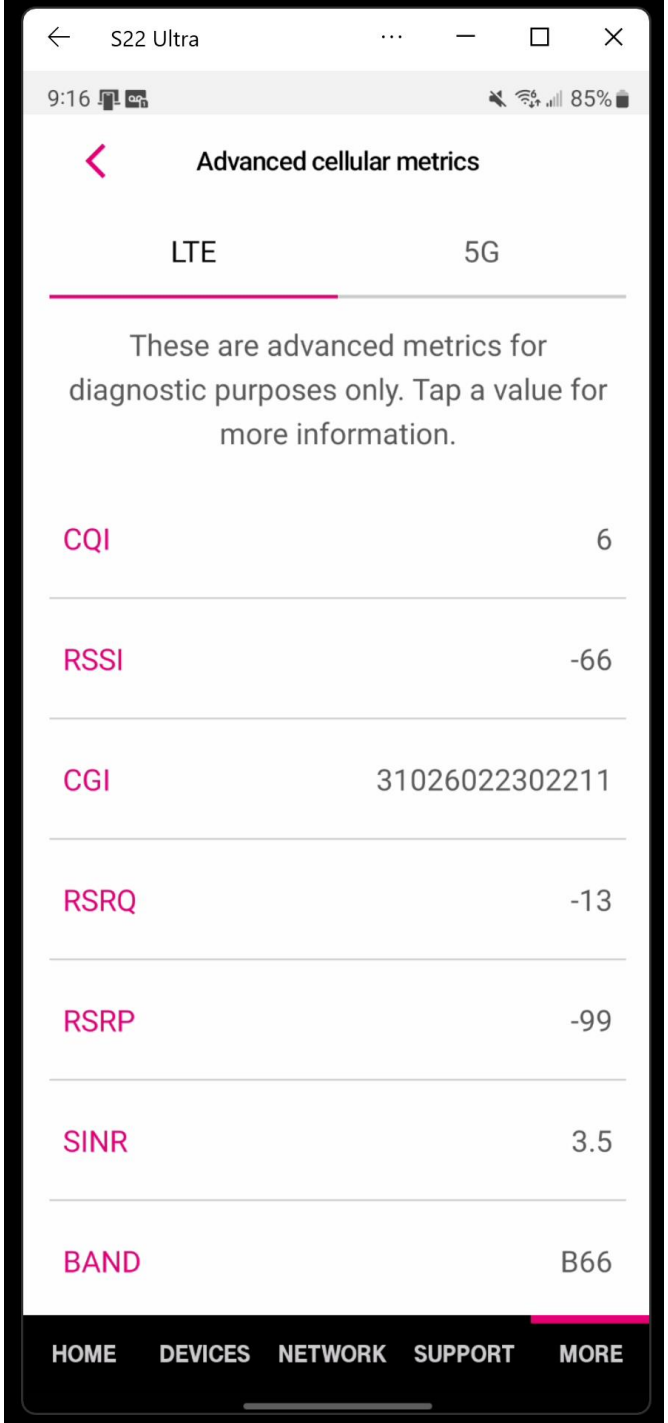
# USING THE "T-MOBILE INTERNET" APP (continued)

- Tap on "Advanced cellular metrics":


Advanced cellular metrics

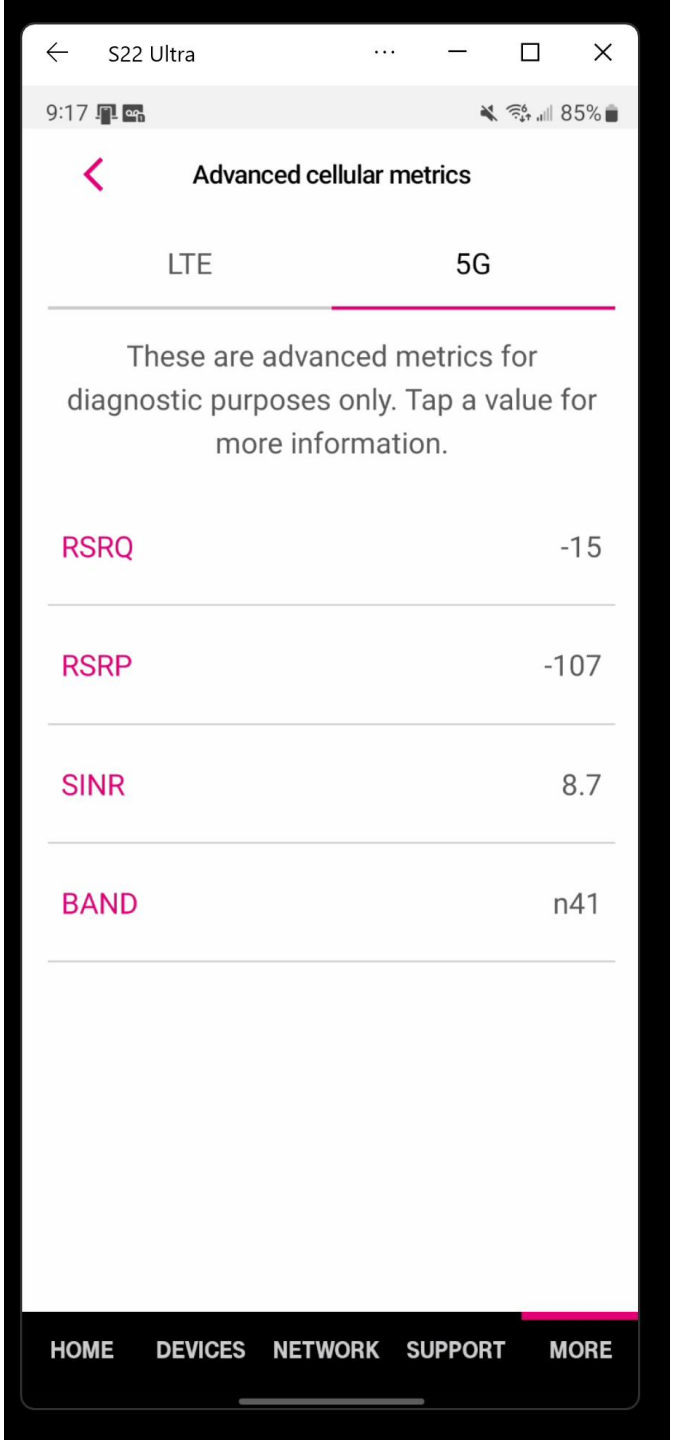
# USING THE "T-MOBILE INTERNET" APP (continued)

- Now you will see two tabs:
  An "LTE" tab
  and a
  "5G" tab:
  This is because 99 percent of T-Mobile is running at "New Radio--Non-Standalone" mode:


S22 Ultra
9:16
85%
Advanced cellular metrics
LTE
5G
These are advanced metrics for diagnostic purposes only. Tap a value for more information.
CQI 6
RSSI -66
CGI 31026022302211
RSRQ -13
RSRP -99
SINR 3.5
BAND B66
HOME
DEVICES
NETWORK
SUPPORT
MORE

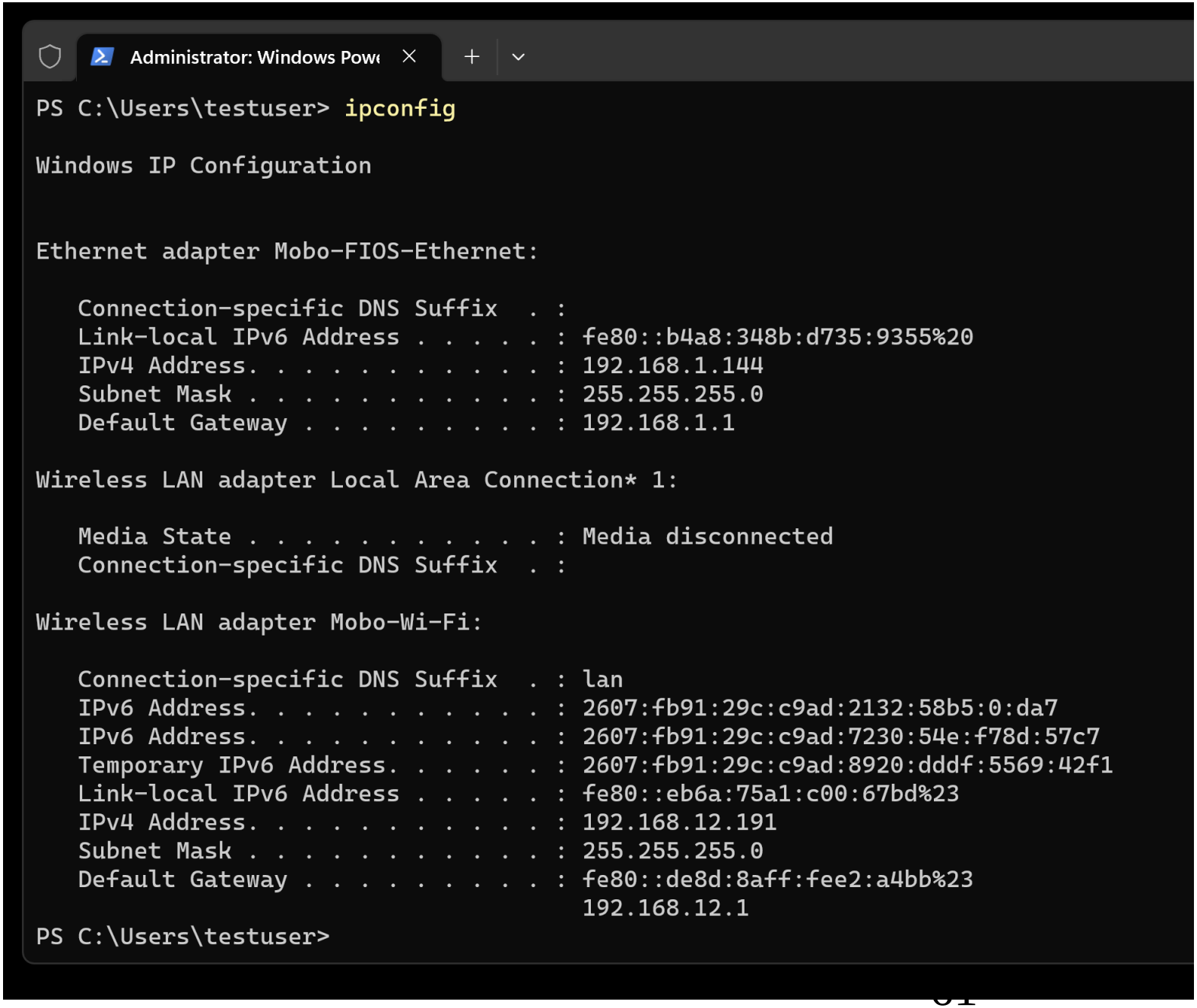
# USING THE "T-MOBILE INTERNET" APP (continued)

- T


S22 Ultra
9:17
85%
Advanced cellular metrics
LTE
5G
These are advanced metrics for diagnostic purposes only. Tap a value for more information.
RSRQ
-15
RSRP
-107
SINR
8.7
BAND
n41
HOME
DEVICES
NETWORK
SUPPORT
MORE

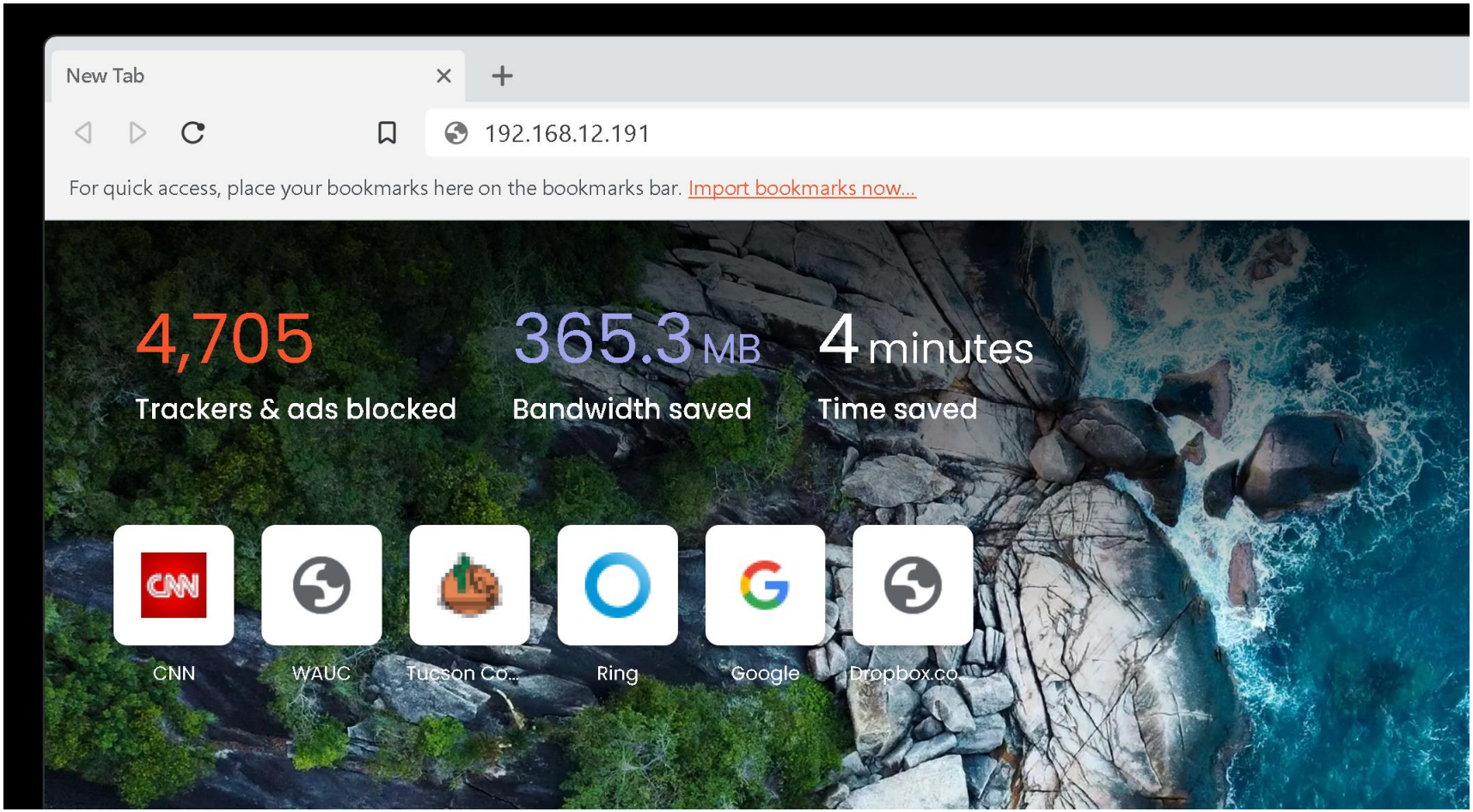
# USING THE "T-MOBILE INTERNET" APP (continued)

- Use the right mouse button to click on the Windows Start button
- Use the left mouse button to click on "Terminal (Admin)"
- Type in
  ipconfig
- Depress the Enter button of the keyboard


Administrator: Windows Pow
PS C:\Users\testuser> ipconfig
Windows IP Configuration
Ethernet adapter Mobo-FIOS-Ethernet:
Connection-specific DNS Suffix . :
Link-local IPv6 Address . . . . . : fe80::b4a8:348b:d735:9355%20
IPv4 Address. . . . . : 192.168.1.144
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.1.1
Wireless LAN adapter Local Area Connection* 1:
Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . :
Wireless LAN adapter Mobo-Wi-Fi:
Connection-specific DNS Suffix . : lan
IPv6 Address. . . . . : 2607:fb91:29c:c9ad:2132:58b5:0:da7
IPv6 Address. . . . . : 2607:fb91:29c:c9ad:7230:54e:f78d:57c7
Temporary IPv6 Address. . . . . : 2607:fb91:29c:c9ad:8920:dddf:5569:42f1
Link-local IPv6 Address . . . . . : fe80::eb6a:75a1:c00:67bd%23
IPv4 Address. . . . . : 192.168.12.191
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : fe80::de8d:8aff:fee2:a4bb%23
192.168.12.1
PS C:\Users\testuser>

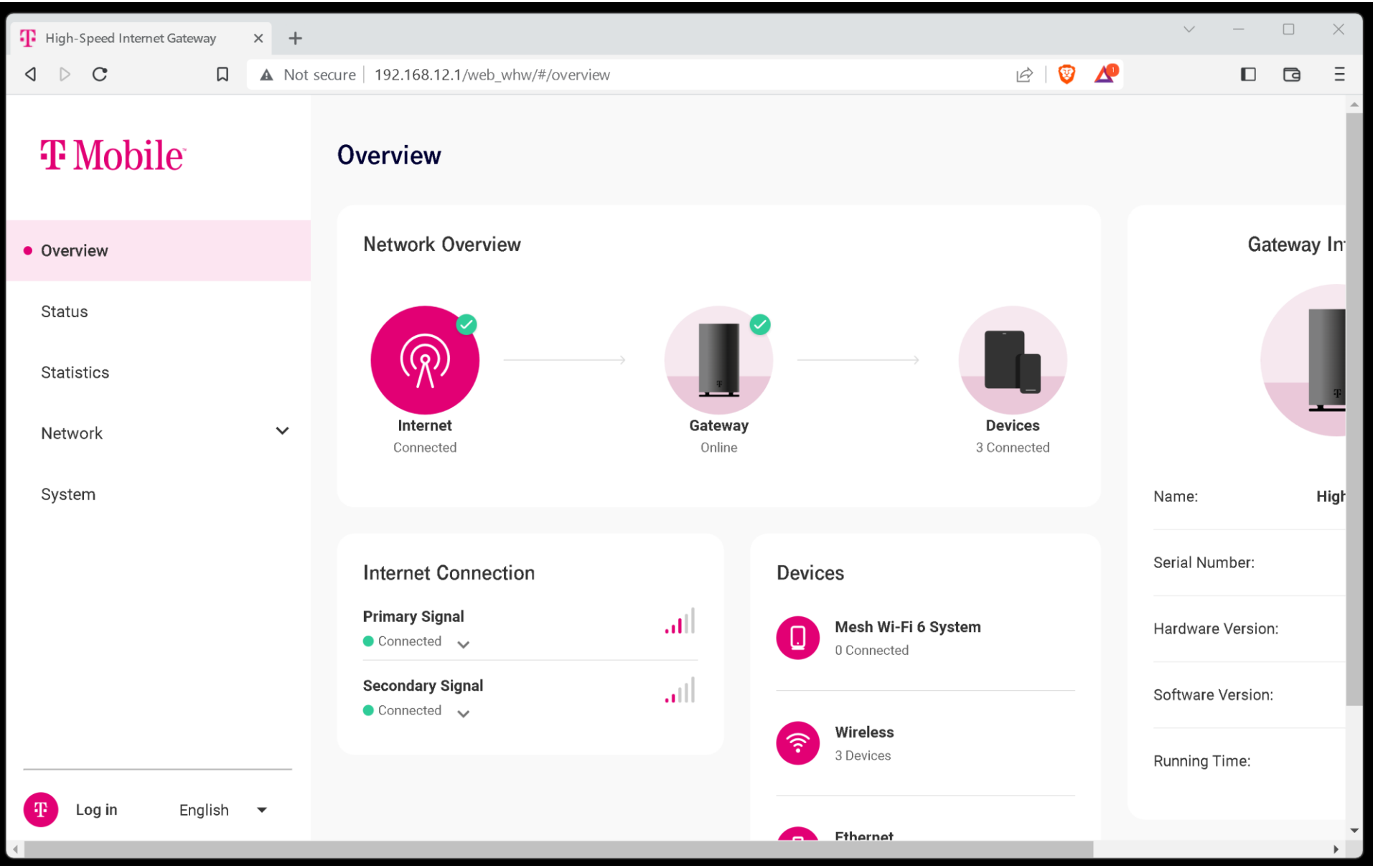
# USING THE "T-MOBILE INTERNET" APP (continued)

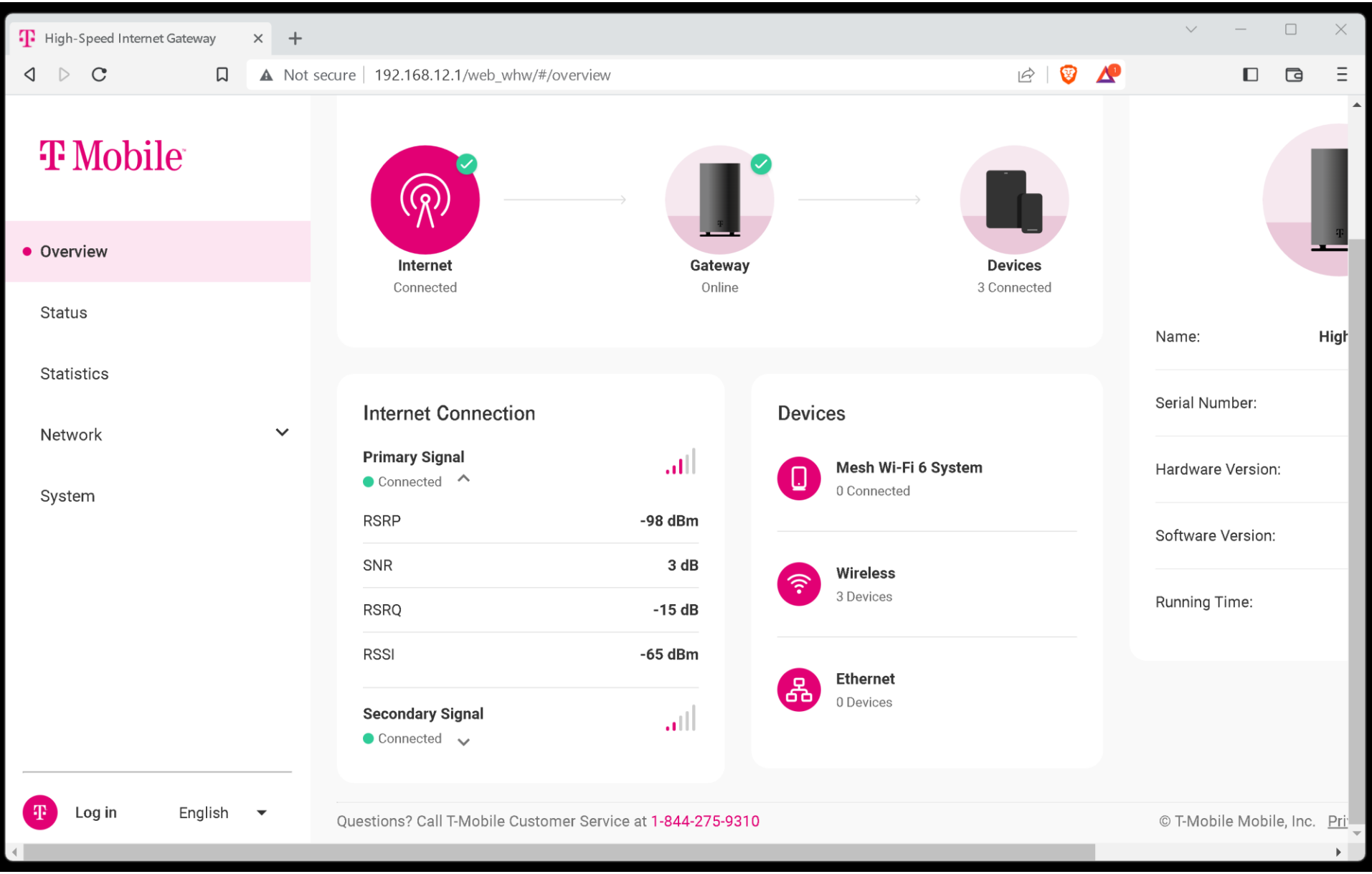
- T


New Tab
192.168.12.191
For quick access, place your bookmarks here on the bookmarks bar. Import bookmarks now...
4,705
Trackers & ads blocked
365.3 MB
Bandwidth saved
4 minutes
Time saved
CNN
WAUC
Tucson Co...
Ring
Google
Dropbox.co...

# USING THE "T-MOBILE INTERNET" APP (continued)

- Use a Web browser to go to the IP address of the T-Mobile gateway:


High-Speed Internet Gateway
Not secure | 192.168.12.1/web_whw/#/overview
T-Mobile
Overview
Overview
Status
Statistics
Network
System
Log in
English
Network Overview
Internet
Connected
Gateway
Online
Devices
3 Connected
Internet Connection
Primary Signal
Connected
Secondary Signal
Connected
Devices
Mesh Wi-Fi 6 System
0 Connected
Wireless
3 Devices
Ethernet
Gateway In
Name:
Serial Number:
Hardware Version:
Software Version:
Running Time:


High-Speed Internet Gateway
Not secure | 192.168.12.1/web_whw/#/overview
T-Mobile
Overview
Status
Statistics
Network
System
Log in
English
Internet
Connected
Gateway
Online
Devices
3 Connected
Internet Connection
Primary Signal
Connected
RSRP -98 dBm
SNR 3 dB
RSRQ -15 dB
RSSI -65 dBm
Secondary Signal
Connected
Devices
Mesh Wi-Fi 6 System
0 Connected
Wireless
3 Devices
Ethernet
0 Devices
Name:
Serial Number:
Hardware Version:
Software Version:
Running Time:
Questions? Call T-Mobile Customer Service at 1-844-275-9310
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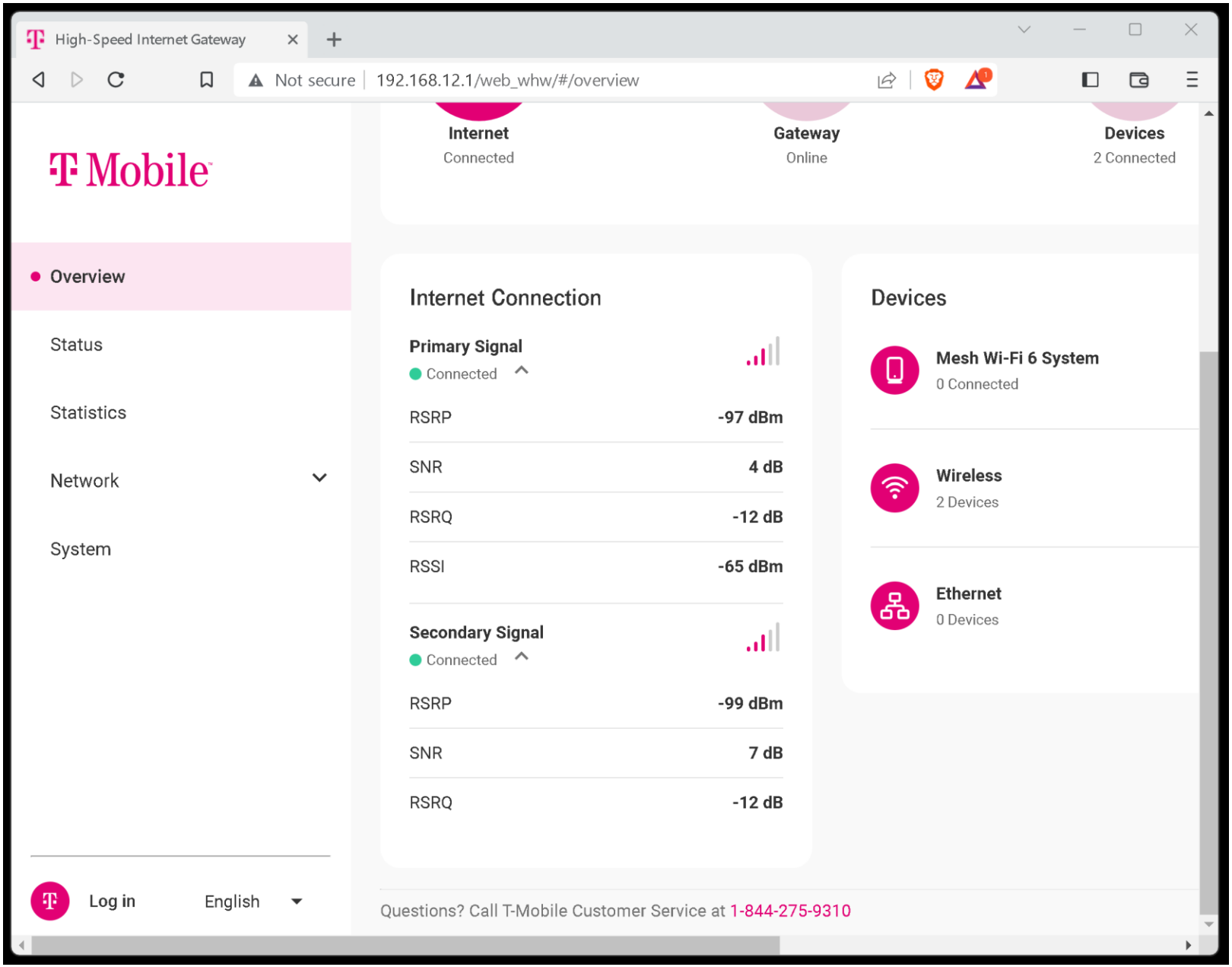
High-Speed Internet Gateway
Not secure
192.168.12.1/web_whw/#/overview
T-Mobile
Internet
Connected
Gateway
Online
Devices
2 Connected
Overview
Status
Statistics
Network
System
Internet Connection
Primary Signal
Connected
RSRP -97 dBm
SNR 4 dB
RSRQ -12 dB
RSSI -65 dBm
Secondary Signal
Connected
RSRP -99 dBm
SNR 7 dB
RSRQ -12 dB
Devices
Mesh Wi-Fi 6 System
0 Connected
Wireless
2 Devices
Ethernet
0 Devices
Log in
English
Questions? Call T-Mobile Customer Service at 1-844-275-9310