

# **2C--CONTROLLING AN ANDROID CELL PHONE USING "PHONE LINK" VIA A "DATA PLAN"**

by Francis Chao

fchao2@yahoo.com



Web location for this  
presentation:

<http://aztcs.apcug.org>

Click on

"Meeting Notes"

# SUMMARY

In May of 2022, Microsoft added the ability for their "Link to Windows" app in Android cell phones to use cellular "Data Plans" to link to Windows 10 and 11 computers.

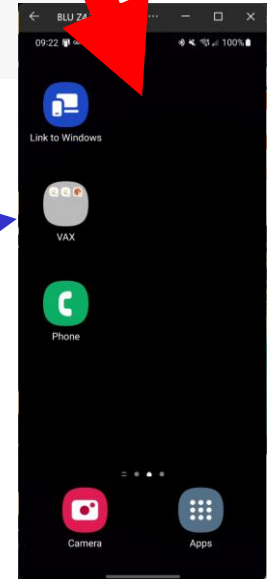
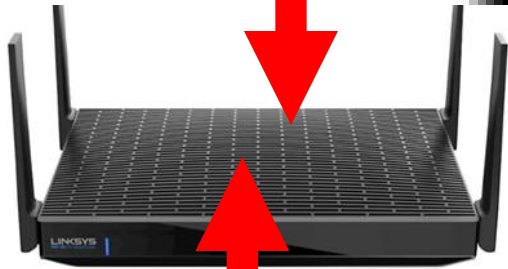
# TOPICS

- Android phone's "Link to Windows" App Works Over a "Data Plan" Connection For the Cell Phone
- Advantage of Using A Cell Phone's "Data Plan" to Control It from "Windows.."
- Enabling "Use mobile data" for the "Link To Windows" app in an Android Cell Phone

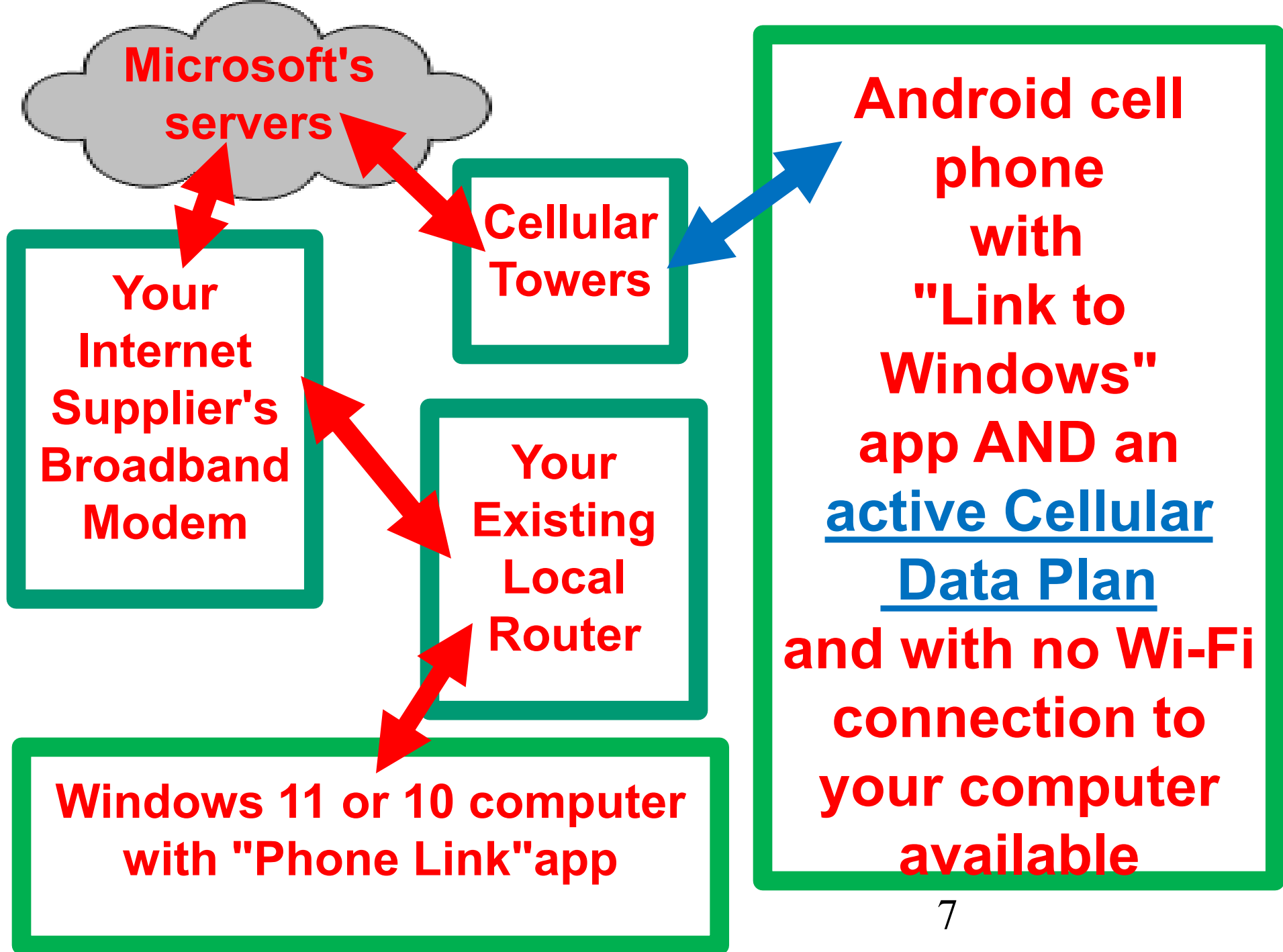
# "LINK TO WINDOWS" WORKS OVER A "DATA PLAN" CONNECTION FOR THE CELL PHONE

- "Link to Windows" works through Microsoft's servers over a cellular data plan if your cell phone does not have a connection to a local router that your Windows 10 or 11 computer is also attached to AND if you have given the Android cell phone permission to "Use mobile data"

**Microsoft's servers provide a secure Internet connection**



**Optional Bluetooth connection  
(for sending the cell phone's audio to the PC)**



**This long path over the Internet uses more data plan bandwidth but keeps the computer and cell phone connected without depending on the cell phone having a wireless Wi-Fi and/or wired Ethernet connection to a local router.**

# ADVANTAGES OF USING "LINK TO WINDOWS" OVER A CELLULAR DATA PLAN

- No distance limitations over the distance between the Windows.. PC and the cell phone. (Unlike the distance limitations of connecting a cell phone to a PC using Bluetooth AND unlike the distance limitations of connecting a cell phone to a PC by connecting to a Wi-Fi access point of a router.)

# ADVANTAGES OF USING "PHONE LINK" OVER CELLULAR DATA PLAN

(continued)

- If your computer is connected to "Public Wi-Fi" (or "Hotel Wi-Fi" or "Starbucks Wi-Fi") and your Android cell phone is also connected to the same "Public Wi-Fi" service, then the "Wireless Isolation" of a "Public Wi-Fi" service will block the creation of a router-based link between the cell phone and the computer.

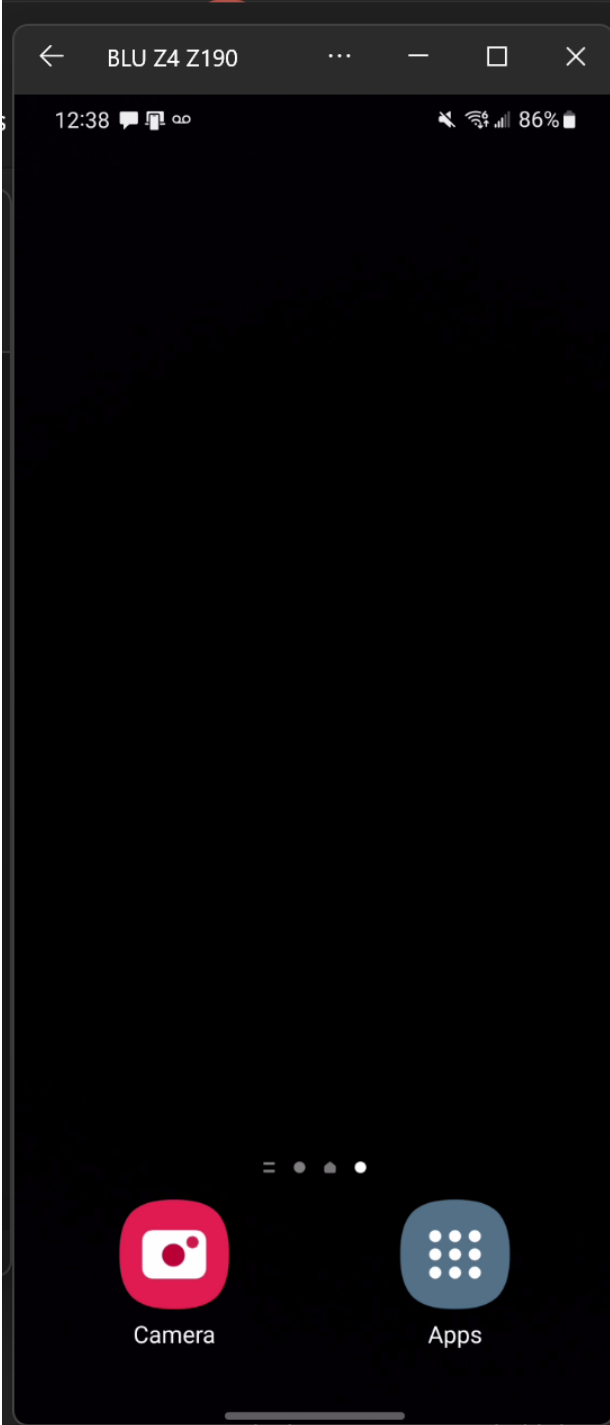
# ADVANTAGES OF USING "PHONE LINK" OVER CELLULAR DATA PLAN (continued)

- When this happens, a "Phone Link" to "Link to Windows" linkup will only occur if you turn on the "Use mobile data" capability of "Link to Windows" in the Android cell phone

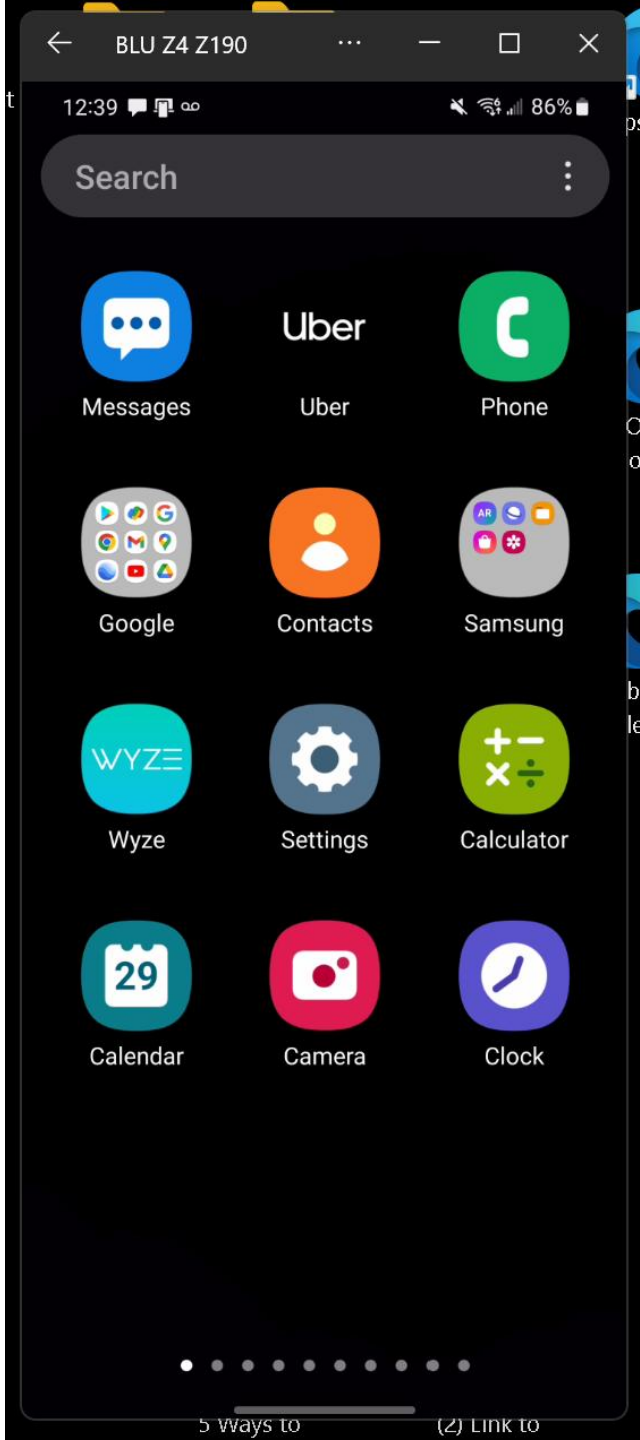
# ENABLING "USE MOBILE DATA" FOR "LINK TO WINDOWS" IN AN ANDROID CELL PHONE

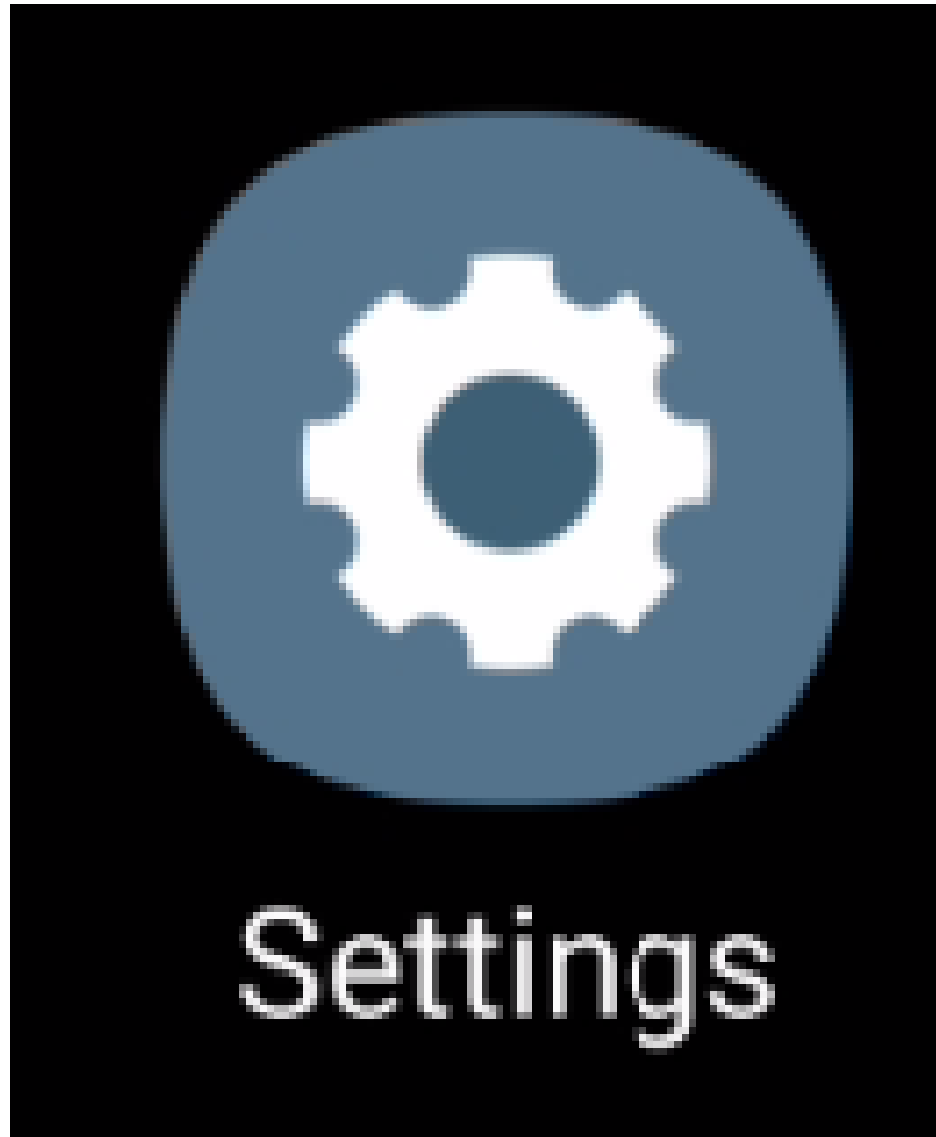
- By default, the "Use mobile data" capability of "Link to Windows" is disabled to prevent you from incurring "Data Over-Use Limits" in your cellular provider's "Data Plan".

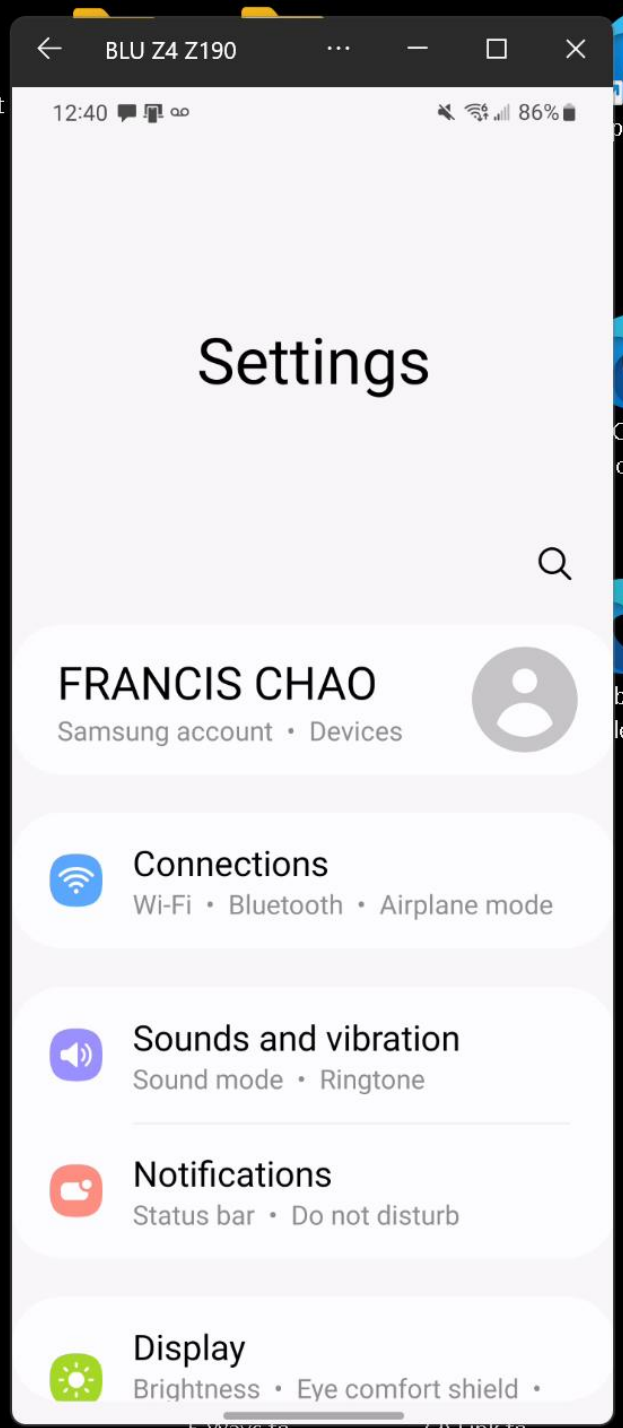
To use this feature for "Link to Windows", you have to turn it on in a screen in the phone's "Link to Windows" app:

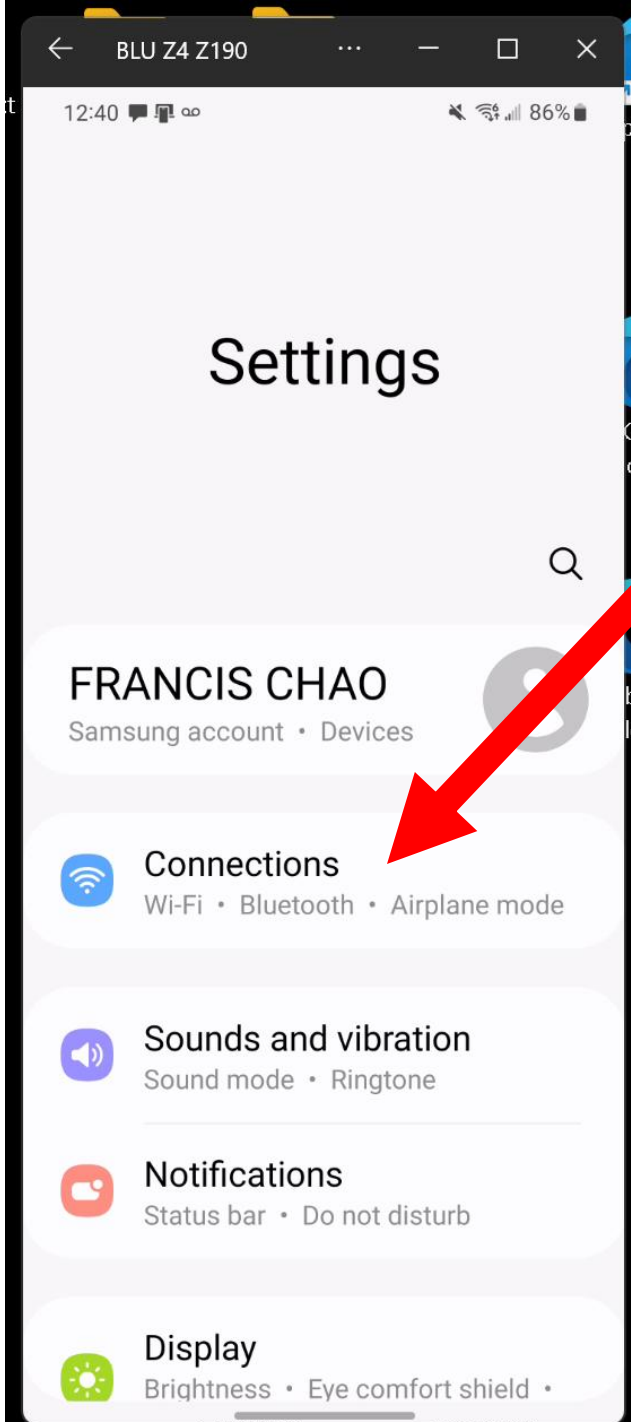












# Settings

FRANCIS CHAO

Samsung account • Devices



Connections

Wi-Fi • Bluetooth • Airplane mode



Sounds and vibration

Sound mode • Ringtone



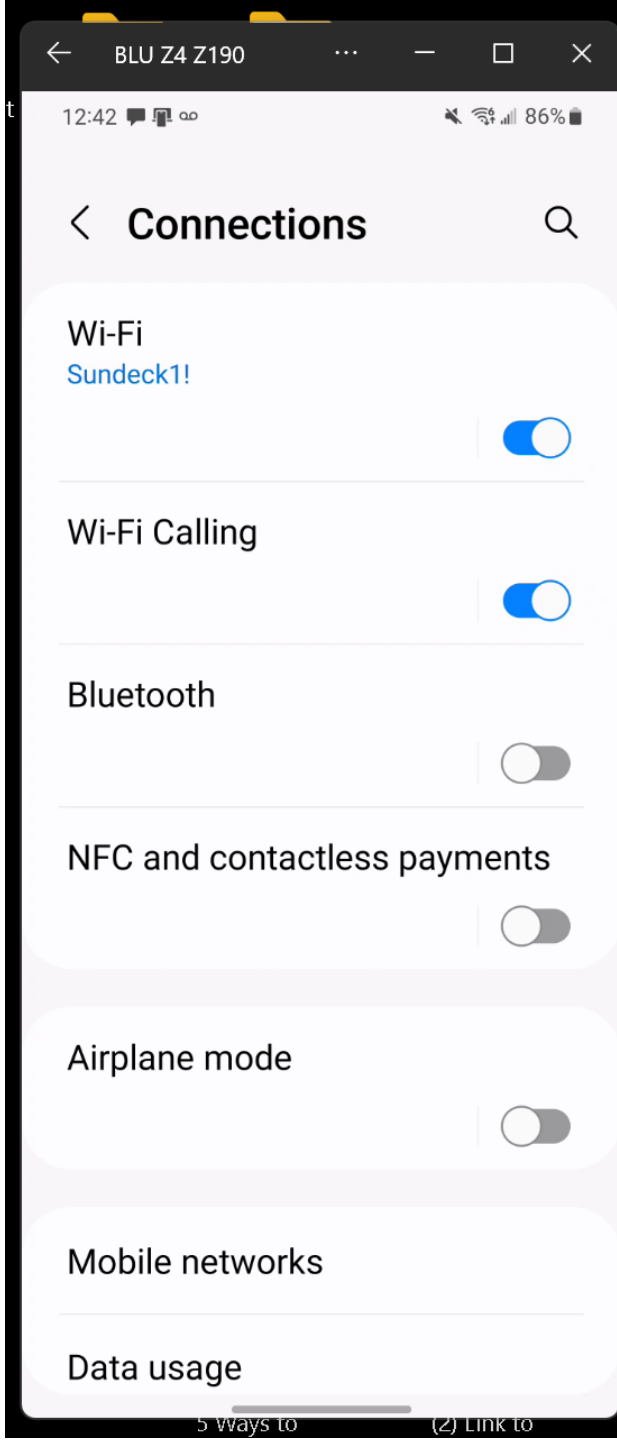
Notifications

Status bar • Do not disturb



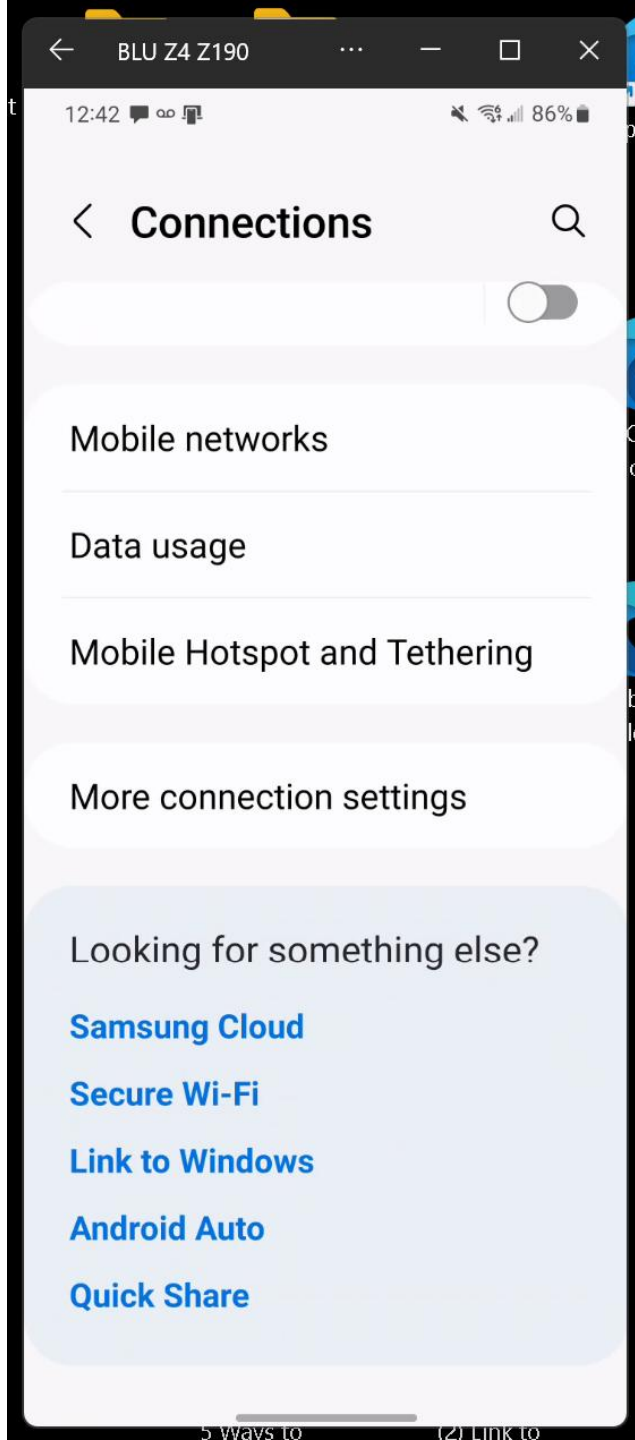
Display

Brightness • Eye comfort shield •



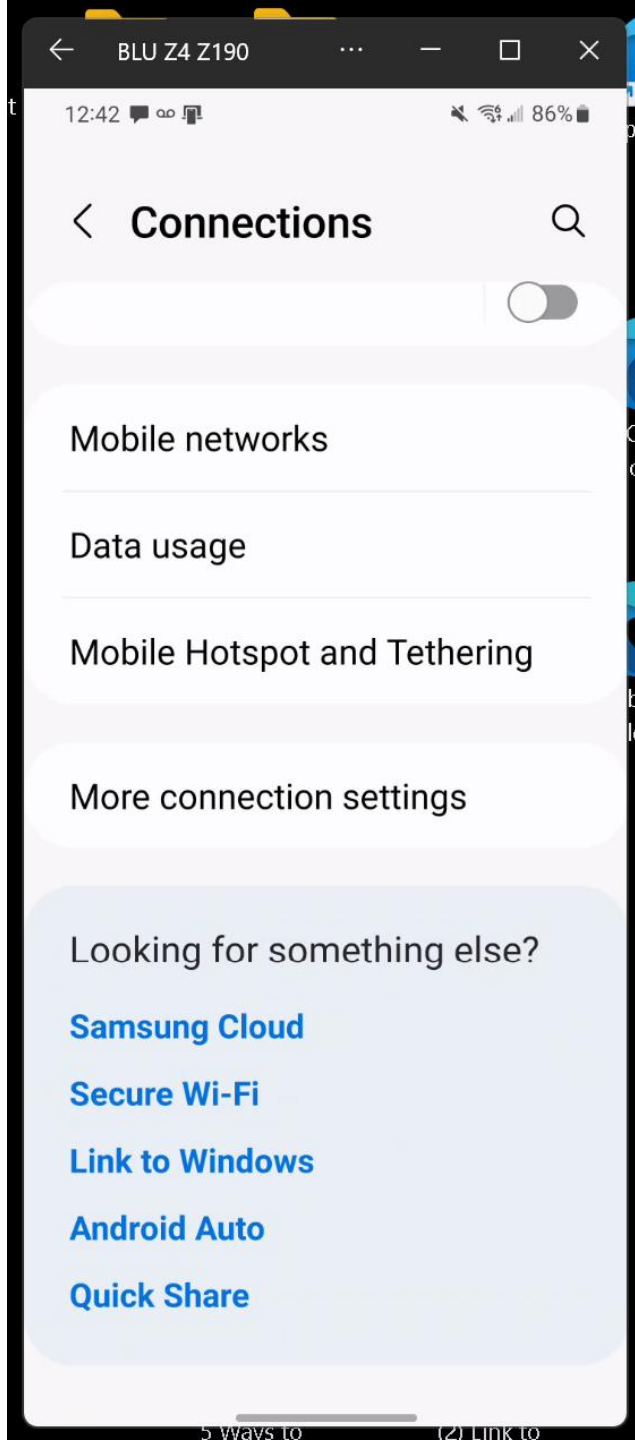
# ENABLING "USE MOBILE DATA" FOR "LINK TO WINDOWS" IN AN ANDROID CELL PHONE (continued)

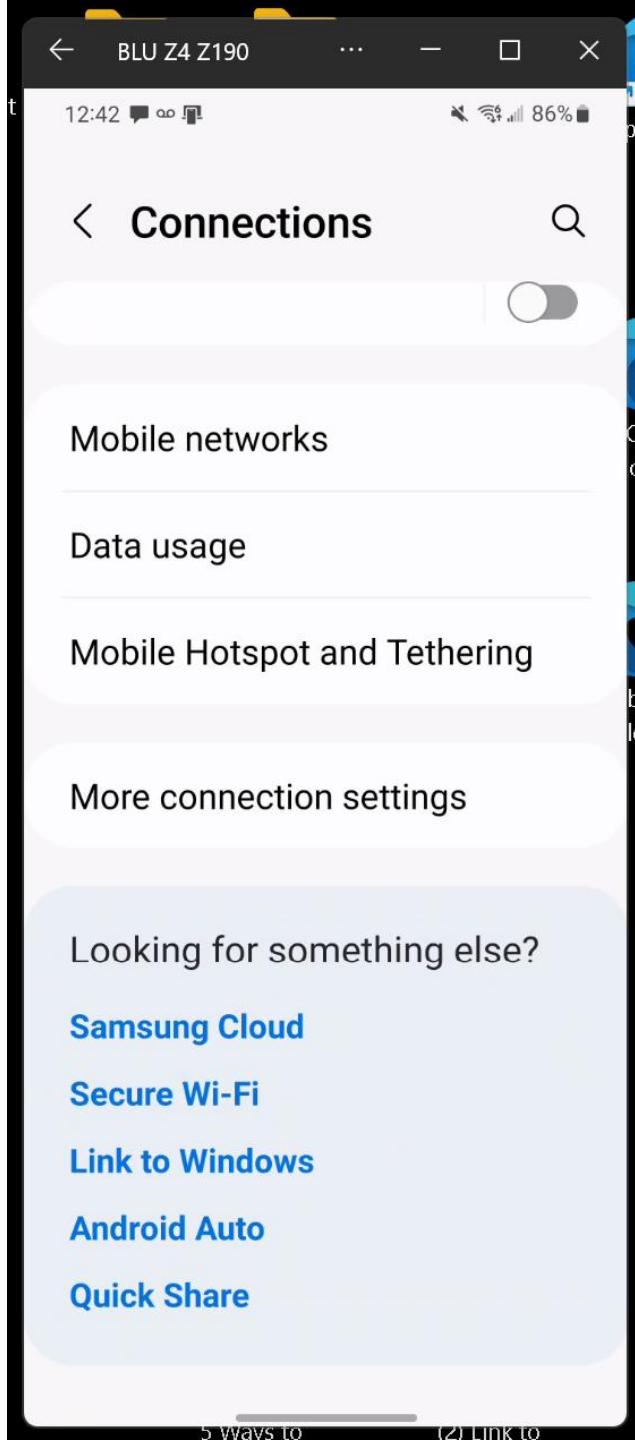
- Swipe upward about one screen:

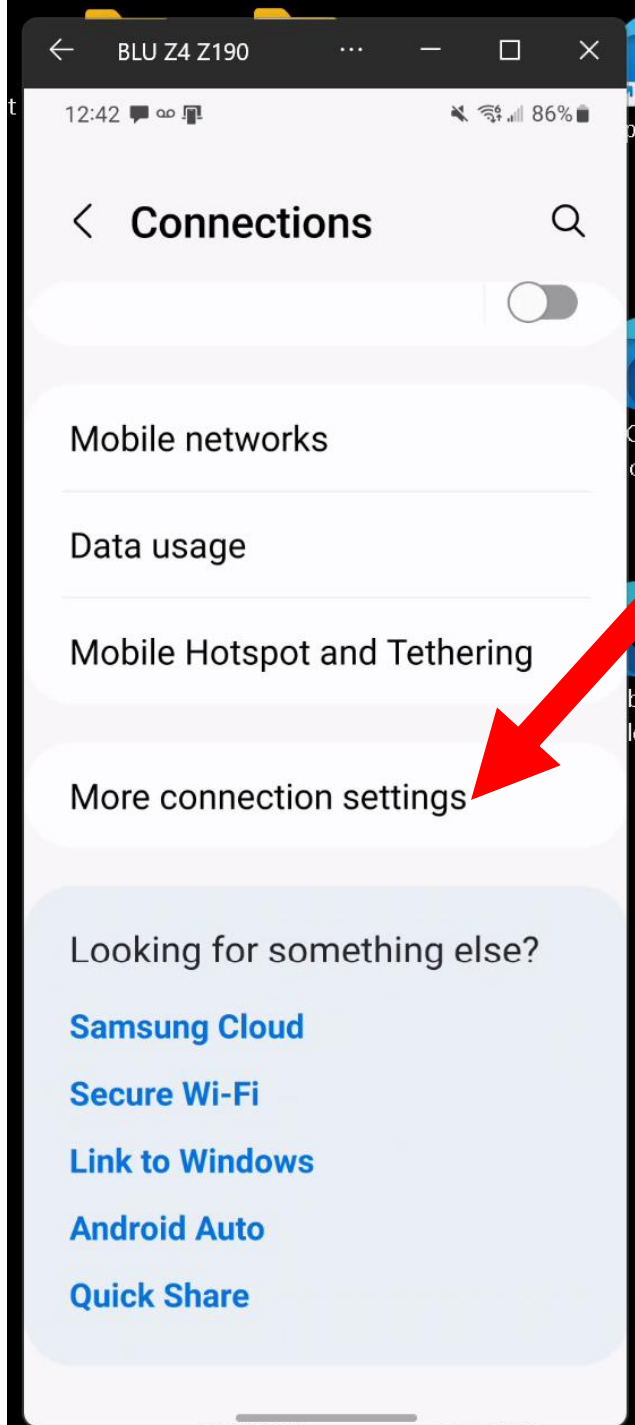


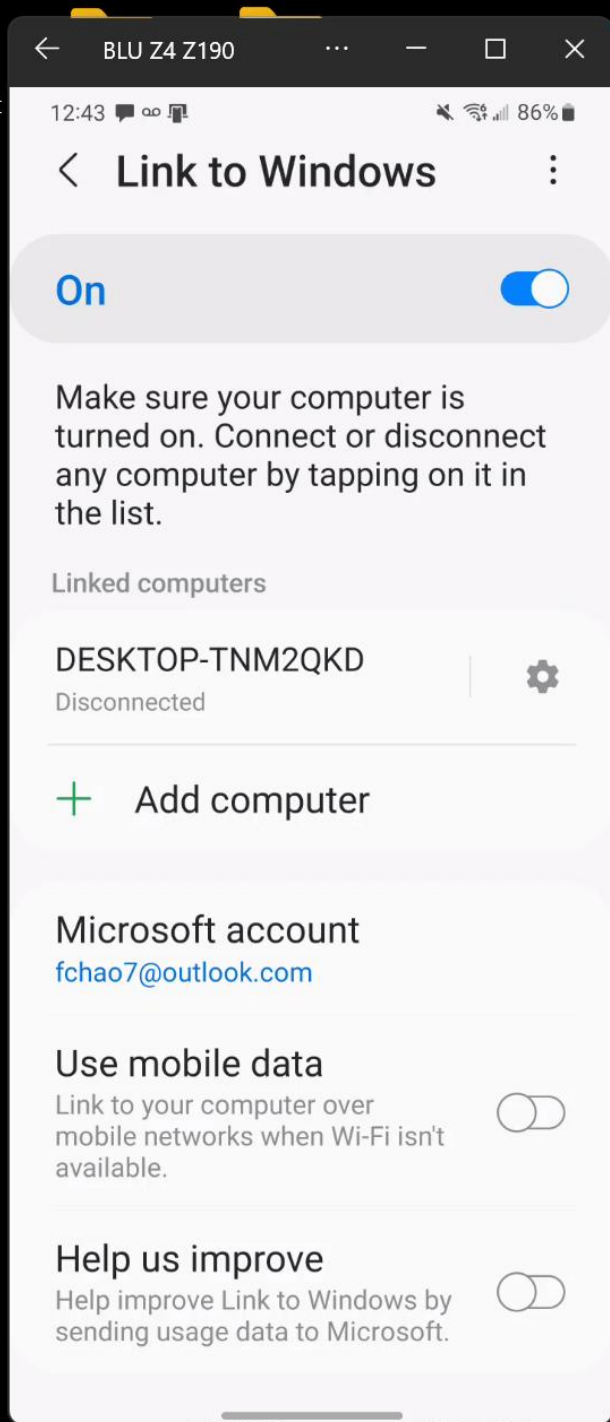
# ENABLING "USE MOBILE DATA" FOR "LINK TO WINDOWS" IN AN ANDROID CELL PHONE (continued)

- Do not tap on "Mobile Hotspot and Tethering":









# Microsoft account

[fchao7@outlook.com](mailto:fchao7@outlook.com)

## Use mobile data

Link to your computer over mobile networks when Wi-Fi isn't available.



## Help us improve

Help improve Link to Windows by sending usage data to Microsoft.



## Use mobile data

Link to your computer over mobile networks when Wi-Fi isn't available.



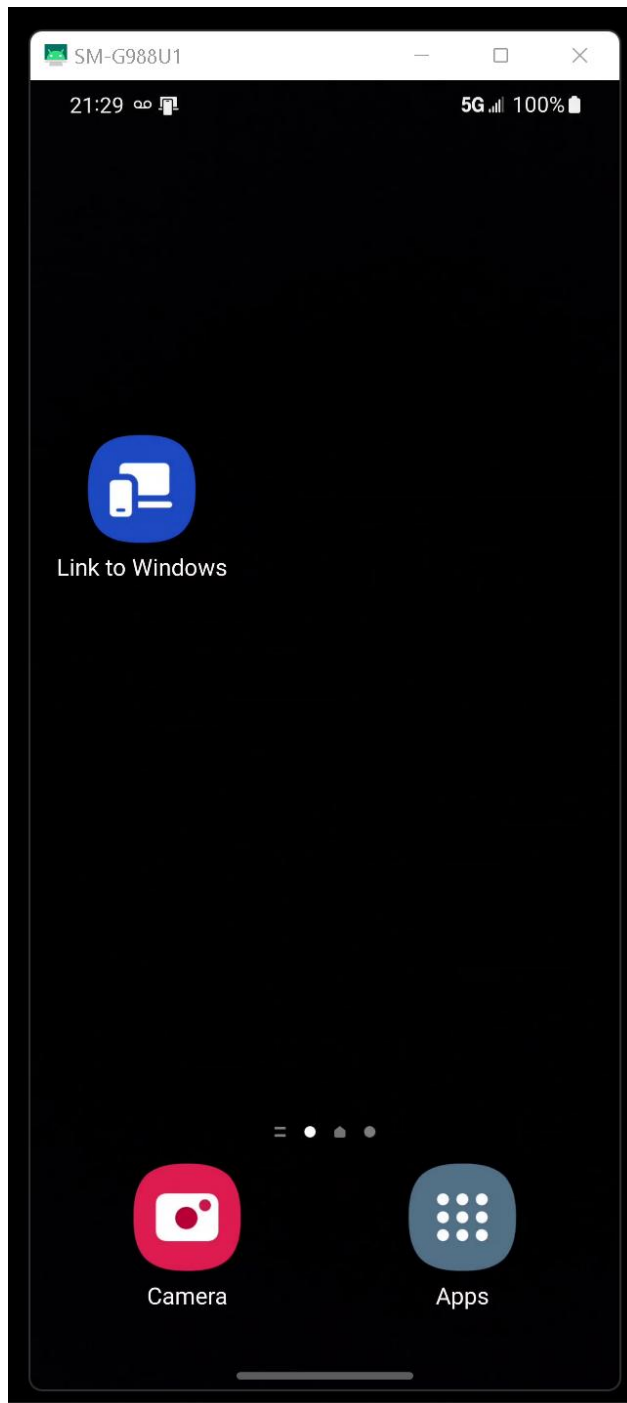
## Use mobile data

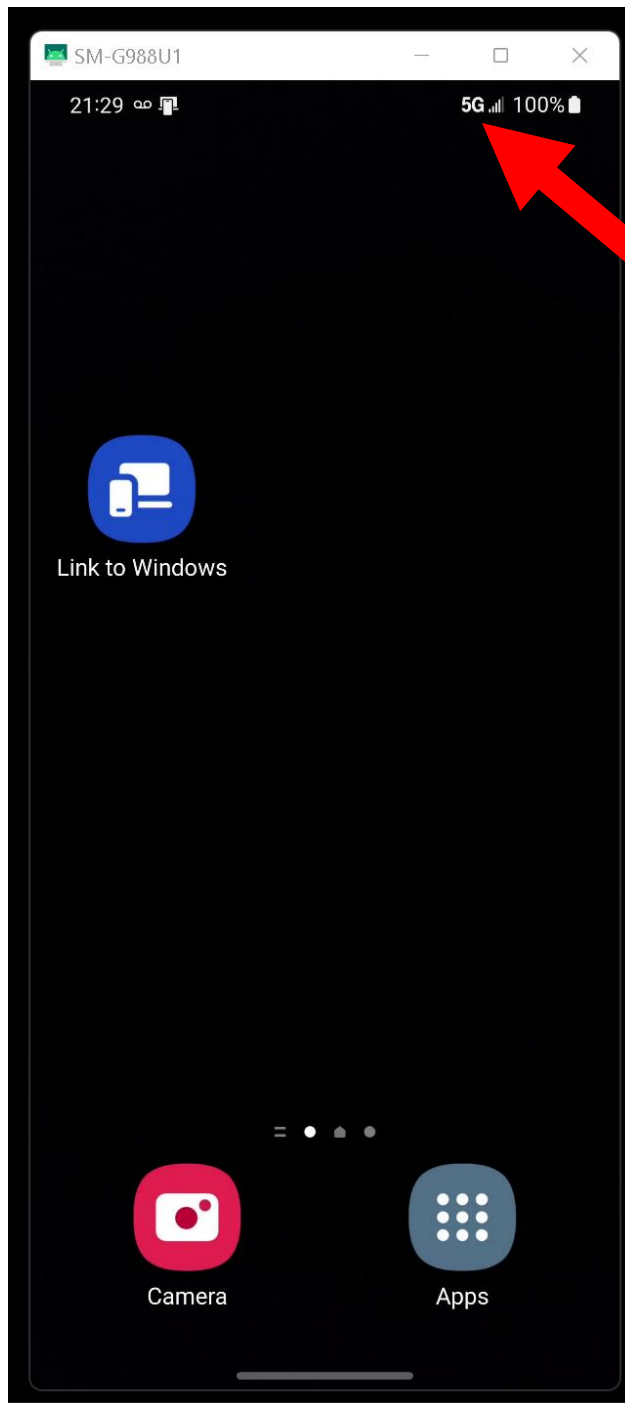
Link to your computer over mobile networks when Wi-Fi isn't available.

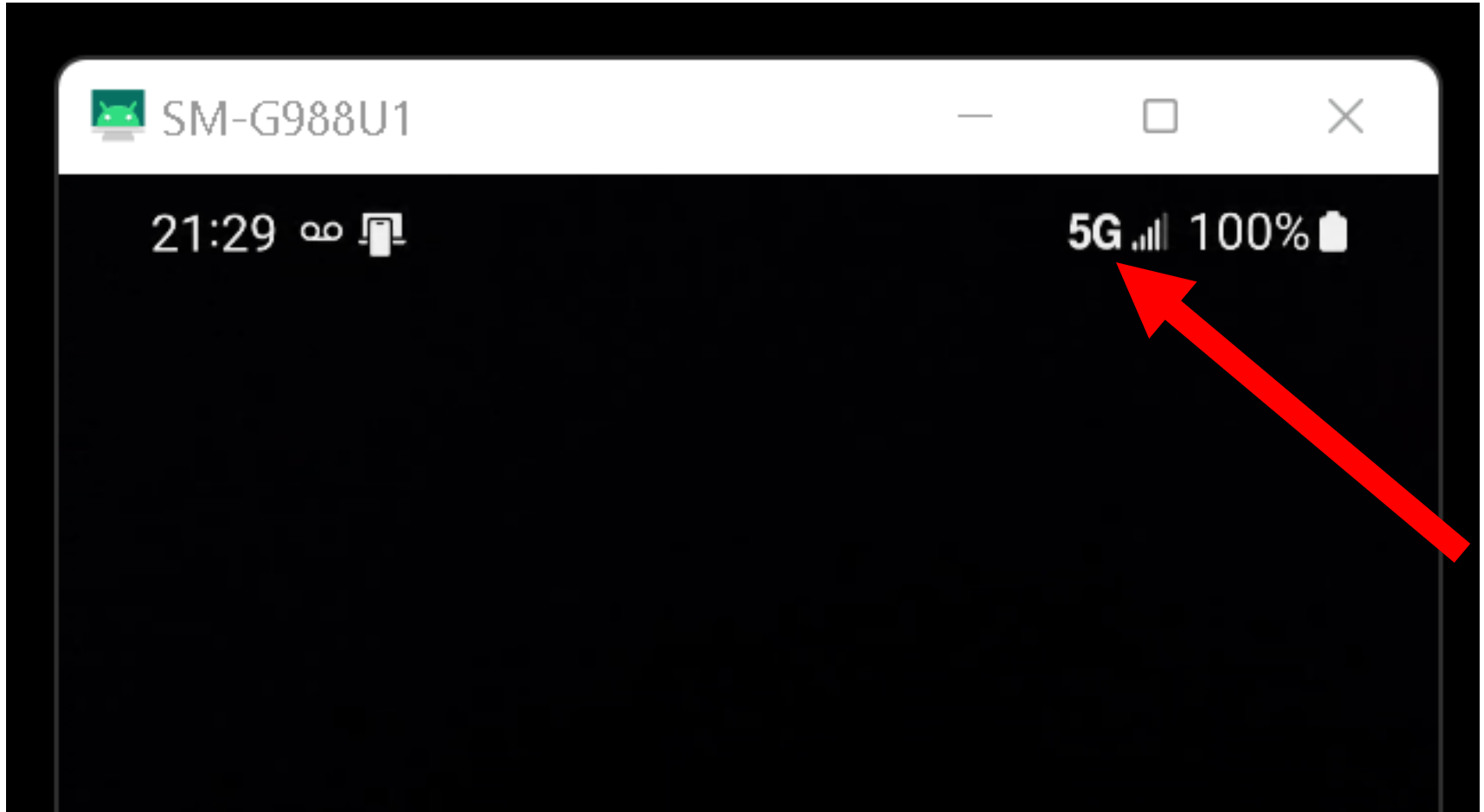


# ENABLING "USE MOBILE DATA" FOR "LINK TO WINDOWS" IN AN ANDROID CELL PHONE (continued)

- At this point, if you turn off your phone's Wi-Fi and/or Ethernet dongle connection(s) to your local router, "Phone Link" in your Windows.. computer will let you re-establish a connection through Microsoft's cloud servers to your "Link to Windows" in your Android cell phone:







# ADDITIONAL INFORMATION

- <https://www.onmsft.com/news/windows-10-your-phone-app-no-longer-requires-wi-fi-to-sync-with-android-phones>