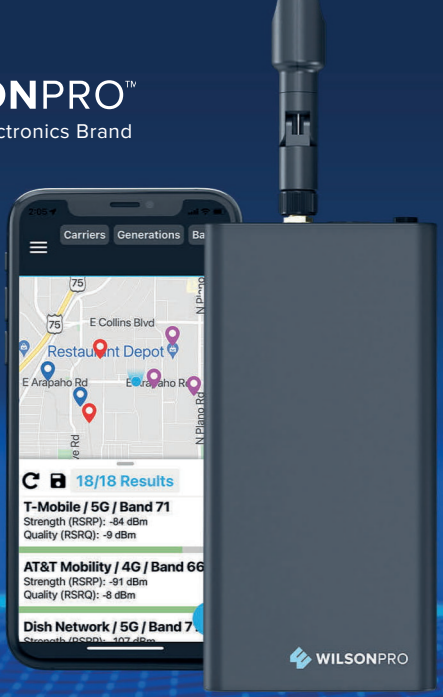
WILSONPRO™
A Wilson Electronics Brand

Instruction Guide



Cellular Network Scanner 5G

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Features

- Pairs with any Blutooth-enabled iOS (v10.0 or later) or Android (v5.0 or later) device using the free Cell LinQ App.
- Reports detected LTE and 5G Signal strength for the following bands: Band 1, Band 3, Band 4, Band 5, Band 7, Band 8, Band 12, Band 13, Band 14, Band 20, Band 25, Band 28, Band 48, Band 66, Band 71, and Band 77.
- Identifies all available signals from major cellular network service providers Verizon, T-Mobile, AT&T and others EVEN IF YOUR CONNECTED ANDROID OR iOS DEVICE IS NOT SUBRCRIBED TO THOSE NETWORKS.
- Cell Tower Mapping, showing approximate location of carrier cell tower.
- Fast Scan Time: Complete scan in under four minutes.
- Easy Project Management: Organize projects, save and retrieve scans online. Export & email in spreadsheet format.
- Outdoor Antenna Wizard: See what bands are supported with preferred carriers using the directional outdoor antenna.

Kit Contents

Cellular Network Scanner & Antenna

Power Supply & Charger Cable

40 in. N Female to SMA Female

To Get Up & Running

Charging

Your Cellular Network Scanner should come with some charge, but fully charging the scanner will give you several hours of scans.

Lights

- Green Fast = Power On, Initializing
- Green Solid = Power On, Ready
- Red = Charging
- Blue Slow = Scan in Process
- Blue Solid = Error (Power Cycle the Meter)

Download App

The scanner will only work with the **Cell LinQ** app. Download and install the app from either Google Play or Apple app store.

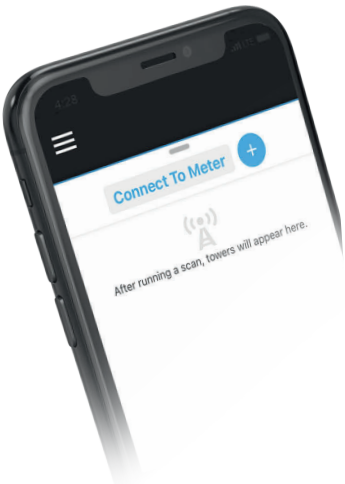
Once you launch the app, you will be prompted to register your cloud account.

Connect Cellular Network Scanner & App

With the scanner charged, app downloaded and your account registered, now connect the meter to your Android or iOS device.

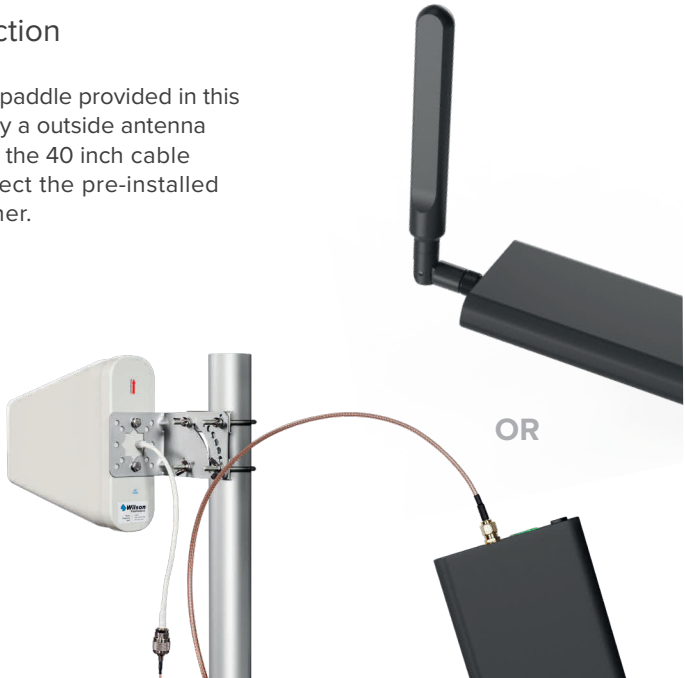
- Power up the meter.
- Open the Cell LinQ app on your phone.
- The first screen will load a **Connect To Scanner** button - tap the button. Make sure your phones' Bluetooth® is turned on.
- Once connected a **Start Scan** button will apear.

Note: Your Cellular Network Scanner comes with advanced Bluetooth®, allowing distances greater than 30 feet for your phone to stay actively paired with the meter during scans.



Antenna Connection

Connect the antenna paddle provided in this kit or if there is already a outside antenna installed at a location, the 40 inch cable can be used to connect the pre-installed antenna to the scanner.



App Screen Examples

Initial Scan

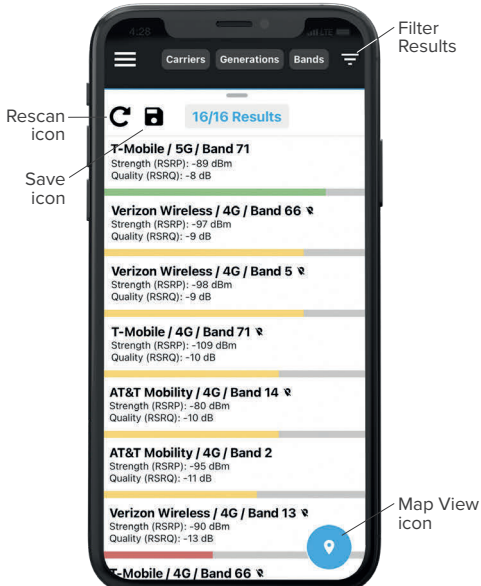
Press the **Start Scan** button within the app. The Q will rotate while the scanner gathers Cell Id Data. For the most consistent results, leave the scanner on a flat stationary surface, while scanning is in progress, and stand between 4 and 8 feet away from the scanner, to keep received cellular signals by the phone from interfering with the scan in progress. A complete scan can take up to four minutes.

Scan Results

Scan results will be displayed from carriers by cellular signal strength (RSRP) and quality (RSRQ). Results can be filtered by Carrier, Generations, or Bands. Tap any scan result to see the Detail View.

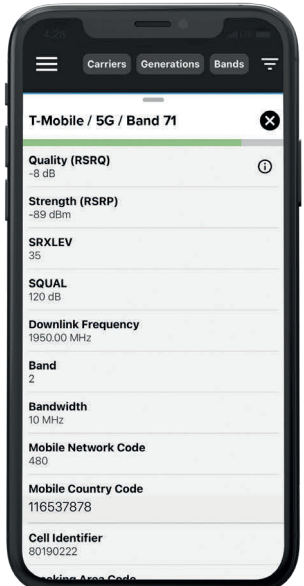
Note: RSRQ is the most important metric in predicting a reliable cell signal.

RSRQ TABLE	
EXCELLENT Green	> = -8 dB
GOOD Yellow	-9 dB to -12 dB
POOR Red	< -12 dB



Scan Details

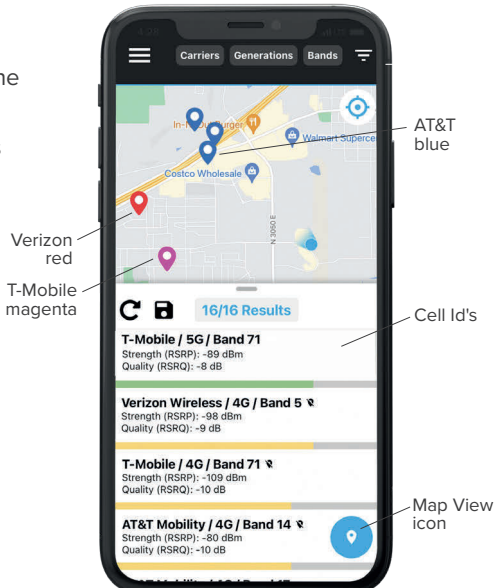
Signal information displays by **Quality, Strength, DL Frequency, Band,** plus additional network information.



Map View

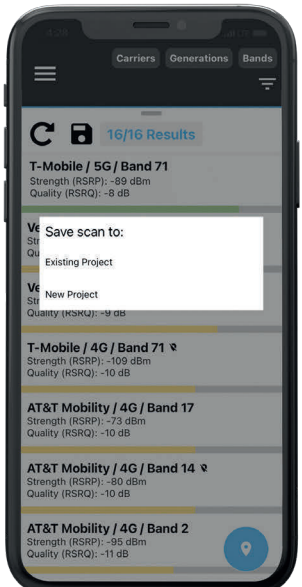
Tap the Map View Icon to see the approximate cell tower locations for the scan results.

Note: A pin icon with a slash indicates there is no mapping information available for that scan result.



Project Management

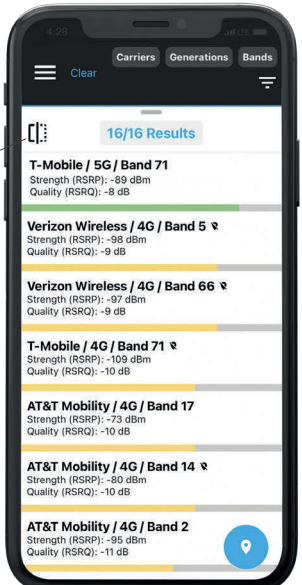
Tap the icon to **customize**, **organize** and **save** all of your installations to your Cell LinQ account.



Project Comparison

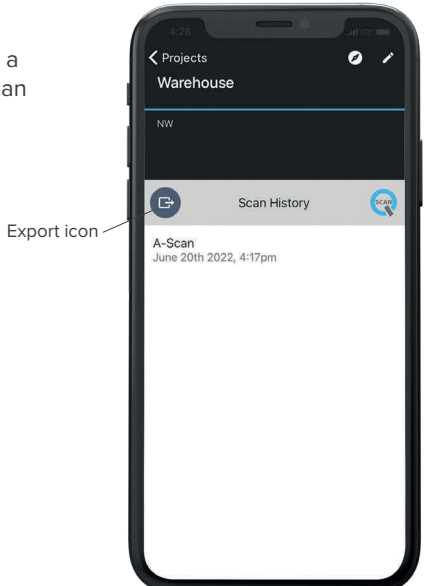
Tap the icon to **re-call saved scans** and **compare** before and after a cellular amplifier system has been installed.

Compare icon



Project Export

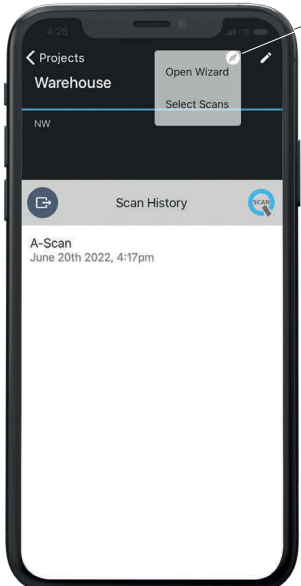
Tap the icon to **export** your projects to a .csv file for your system design. CSV files can then be sent to any email address.



Cell LinQ Outdoor Antenna Wizard Overview

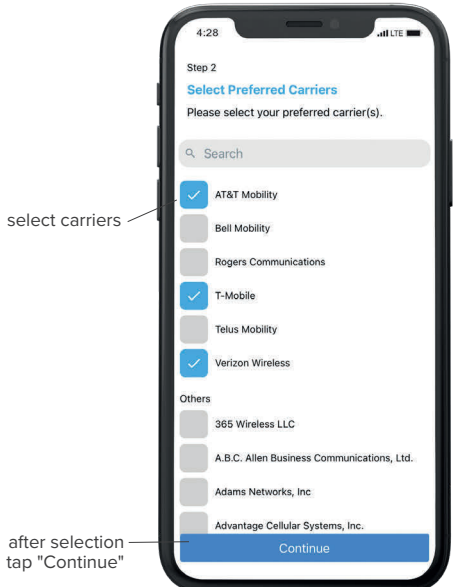
Launching Wizard

Within a Project, tap icon then tap Open Wizard.



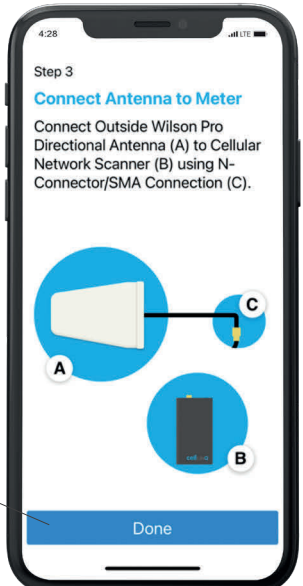
Select Carriers

Select your preferred carriers for the Wizard scan.



Connect Antenna to Meter

Connect the Cellular Network Scanner to the directional outdoor antenna as illustrated.



tap "Done" when antenna is connected to CNS

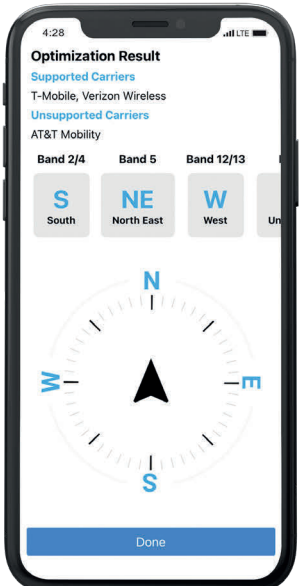
Scanning Directions

Point antenna North, then tap "Start Scan". Repeat procedure for East, South and West. Each scan should take approximately 3 minutes.

tap "Start Scan" when antenna is pointed in direction

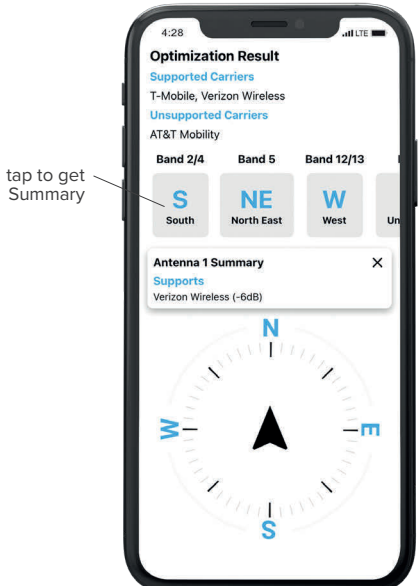
Optimization Result

Results from each directional antenna orientation will then be displayed. For each band shown, the compass direction result represents the best outdoor antenna orientation for that band.



Additional Antenna Details

Tapping the scan results beneath the band numbers will display summary.



30 DAY MONEY-BACK GUARANTEE

All WilsonPro products are protected by WilsonPro 30-day money-back guarantee. If for any reason the performance of any product is not acceptable, simply return the product directly to the reseller with a dated proof of purchase.

3-YEAR WARRANTY

WilsonPro Cellular Network Scanner is warranted for three (3) years against defects in workmanship and/or materials. Warranty cases may be resolved by returning the product directly to the reseller with a dated proof of purchase.

Cellular Network Scanner may also be returned directly to the manufacturer at the consumer's expense, with a dated proof of purchase and a Returned Material Authorization (RMA) number supplied by WilsonPro. WilsonPro shall, at its option, either repair or replace the product.

This warranty does not apply to any Cellular Network Scanners determined by WilsonPro to have been subjected to misuse, abuse, neglect, or mishandling that alters or damages physical or electronic properties.

Replacement products may include refurbished WilsonPro products that have been recertified to conform with product specifications.

RMA numbers may be obtained by contacting Customer Support

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Notes

3301 East Deseret Drive, St. George, UT
866.294.1660 www.wilsonpro.com support@wilsonpro.com

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