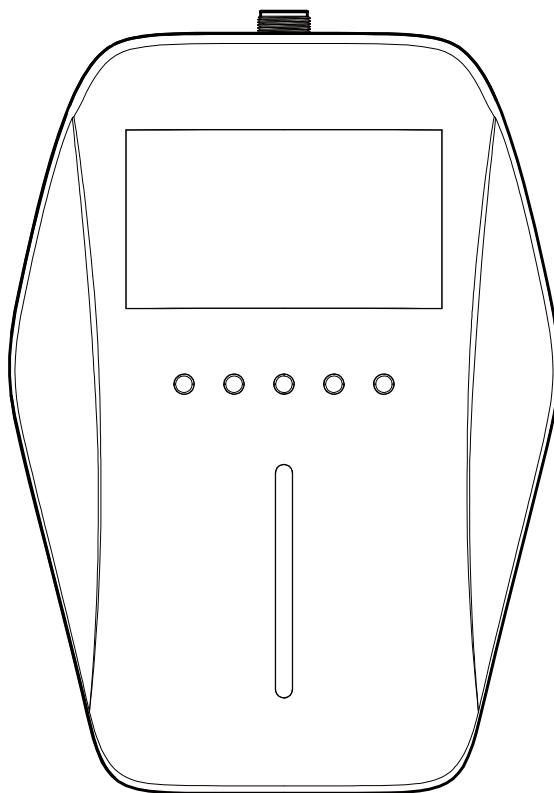


**MetaRepeater**

# **Meta Pro**

Cell Phone Signal Booster



## **Installation Guide**

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**NEED HELP ?**



**3-year manufacturer's warranty**

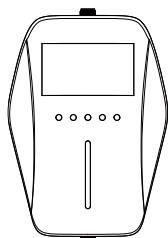
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# CATALOG

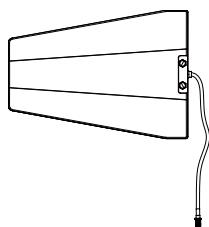
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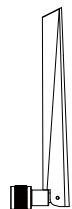
# Package Contents



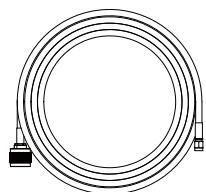
Meta Pro



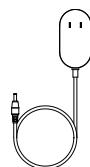
Outside  
Antenna



Inside  
Antenna



60ft of  
4D-FB Cable



Power  
Supply



Roof/Pole  
Mount  
Bracket

---

# Preparation

## You Will Need (tools not included)

Make sure the following materials are prepared and ready for your installation.



1 to 2 hours



2 people (a person to help antenna calibration)

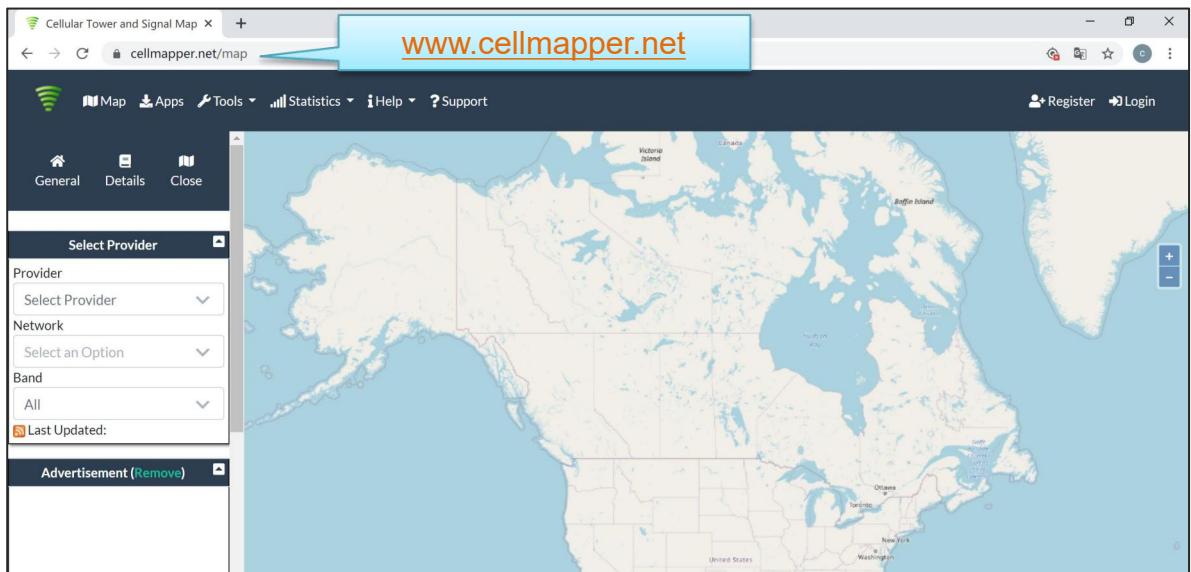


- Ladder
- Drill (if routing cable through wall)
- 1" -3" diameter existing pole for mounting  
Outdoor Antenna (Pole Mount can be purchased  
separately if needed)
- Recommended: Power Strip with surge protection

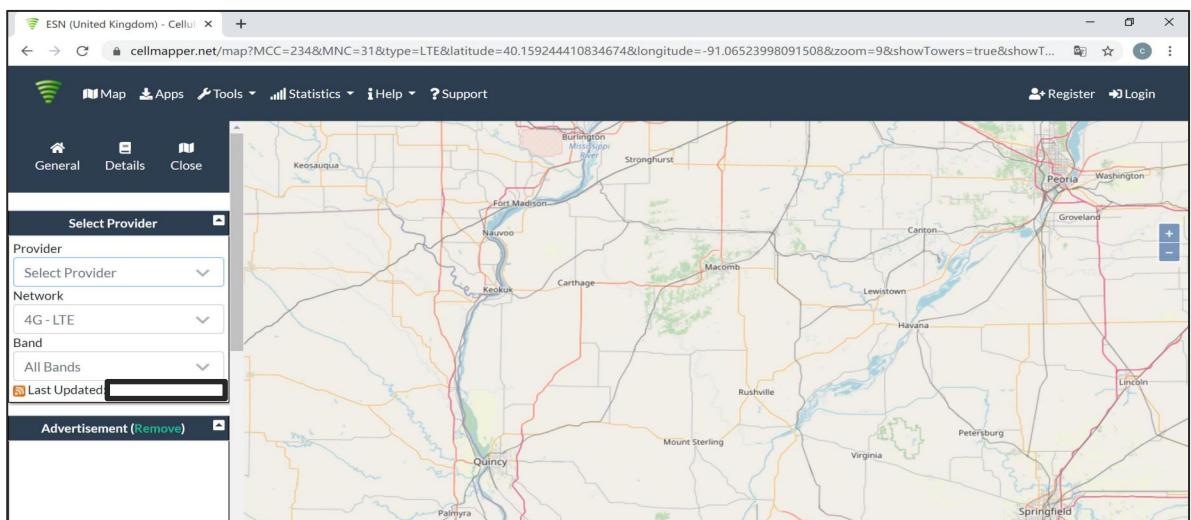
NOTE: These instructions will walk you through a “soft” install process to find the optimal locations for the inside and outside antennas, then through the process of the permanent installation.

# How to Find Your Nearest Signal Tower

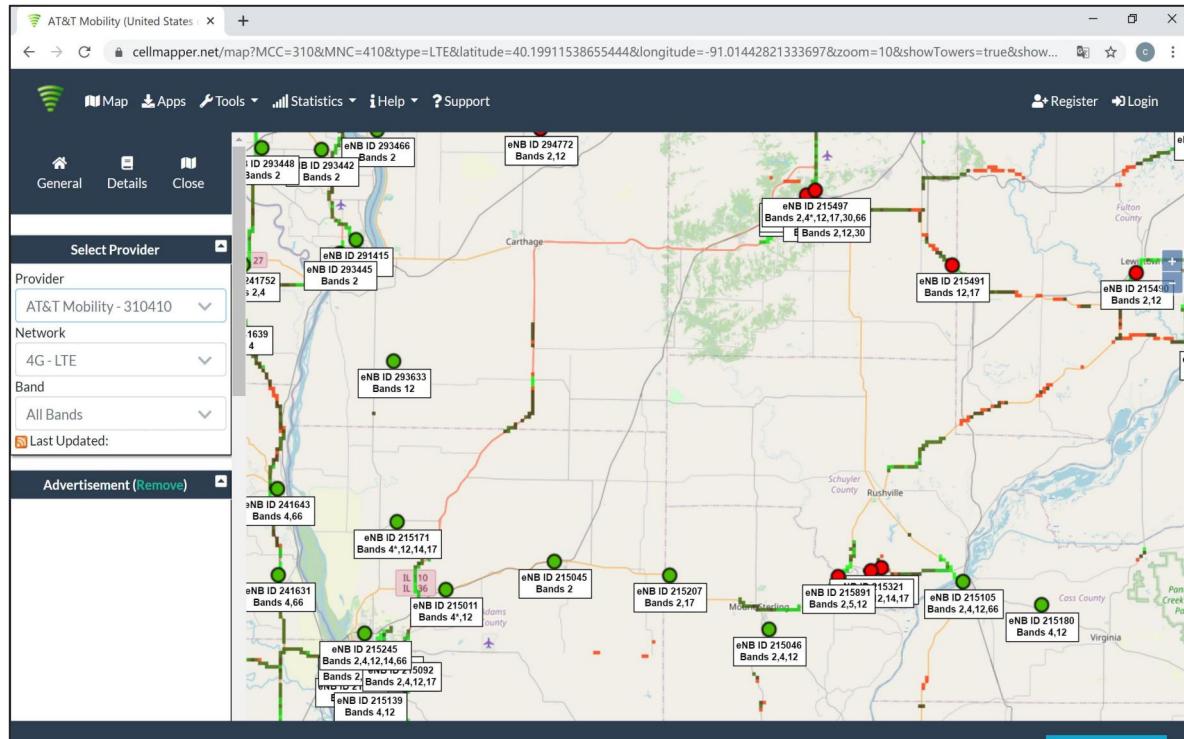
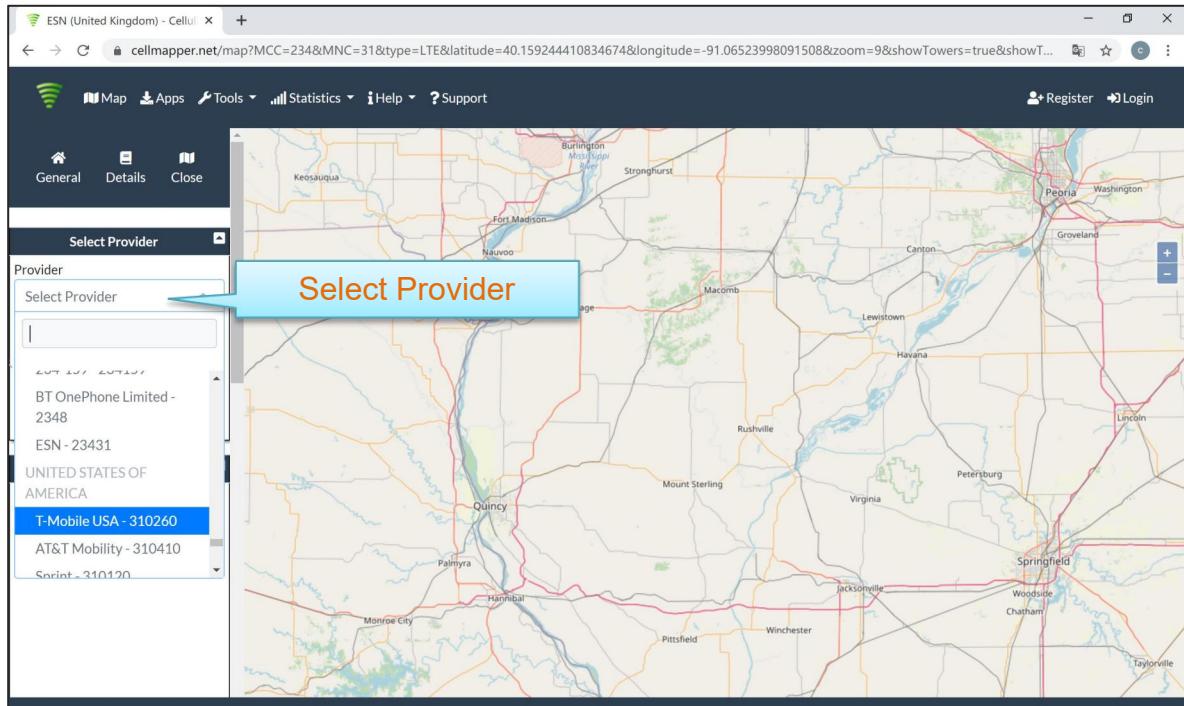
**Step 1:** Visit website [www.cellmapper.net](http://www.cellmapper.net)



**Step 2:** Find your location on the map and zoom in on your area



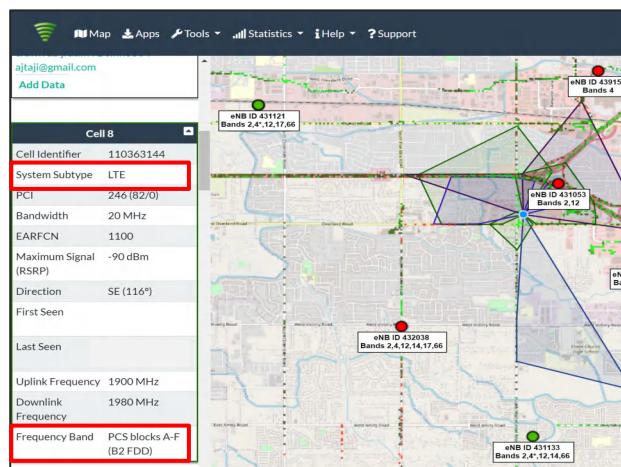
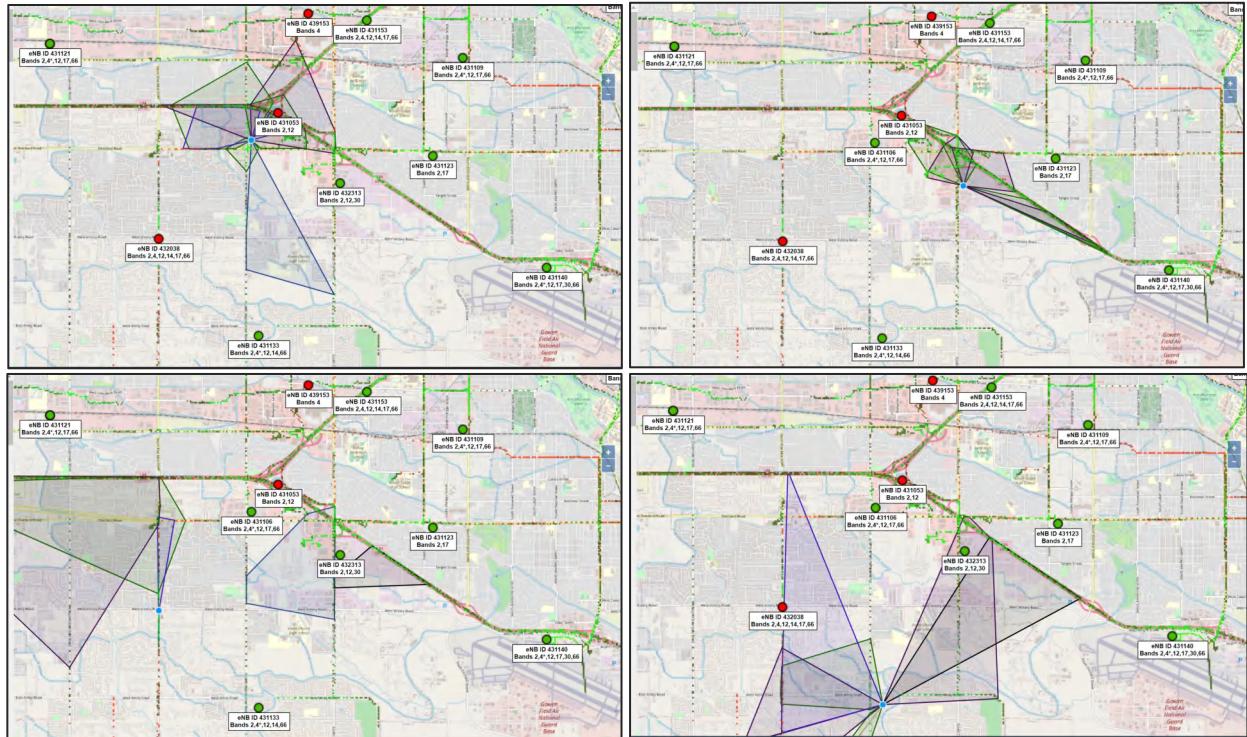
## Step 3: Select Provider. You will find the cell tower around your house



## Step 4: Find a nearest base station with signal coverage to your house

Click the red or green dot on the map that represents the base station, and the detailed information of the base station will be displayed.

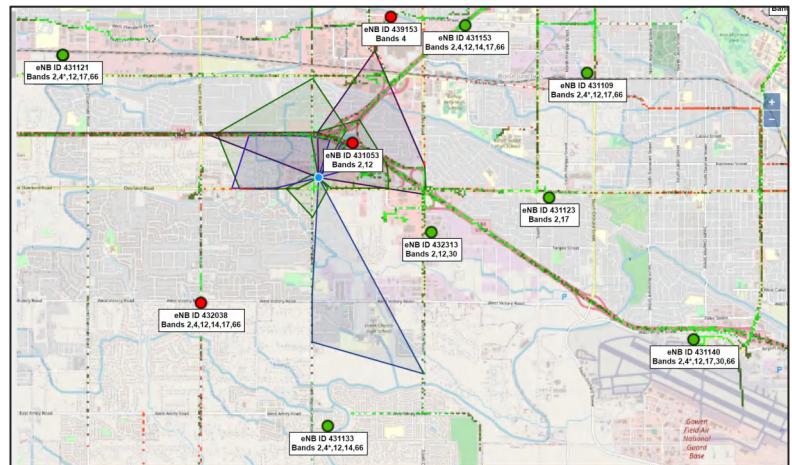
- The coverage area (shaded part) of each base station is different. You have to find a base station with signal coverage to your house, or the coverage direction is facing you, and the coverage area is closest to you.



- You can scroll the information content on the left to find the specific carrier information of this base station, including the communication standard and frequency band. Please reference the left picture, "LTE" and "B2 FDD"(Band 2, FDD).

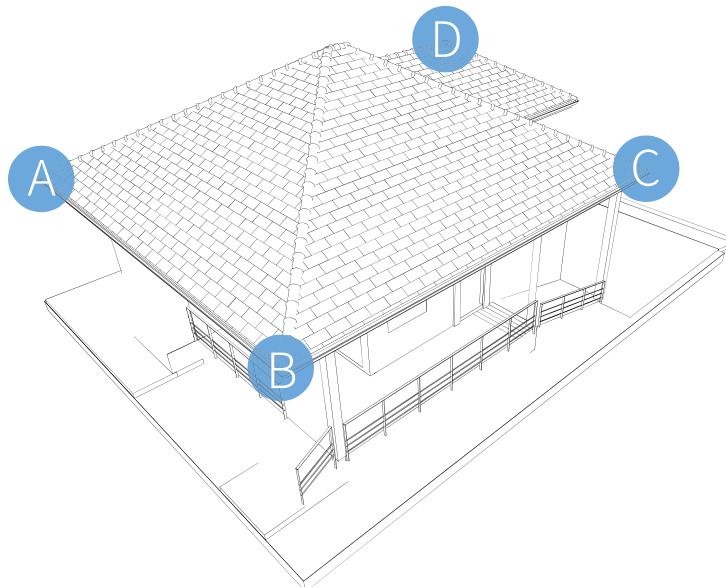
On the map, you can see three colors of dots representing the cell tower. Different colors represent different degrees of information accuracy.

**Red pointer:** Low accuracy and unlocated  
**Yellow pointer:** unlocated  
**Green pointer:** located

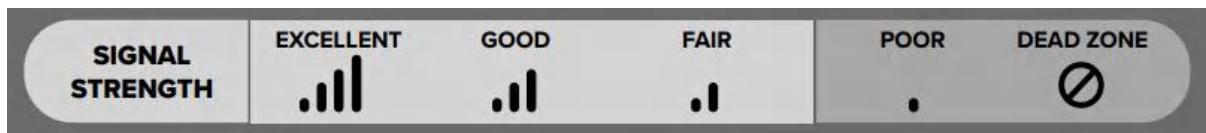


**⚠** If you can only find red dots on the map around your home or there is no signal tower information around your house on the map, you can use the following method to find the direction of the signal tower.

- Walk around the house, make sure to walk close to the outside wall of the house. Find the best dbm reading position. That direction is the direction of your cell tower. Please understand that the main beam of the outdoor antenna is about 90 degree. As long as the cell tower is in this range, it can work normally. Best to choose the corner position of the building.



# Measure the dBm reading and signal level on your phone



TOWER →  
Distance from Cell Tower

3G/1X	-70dBm	-75dBm	-90dBm	-105dBm	-110dBm
4G/LTE	-90dBm	-100dBm	-108dBm	-115dBm	-120dBm

**Notice:** Not recommended when outdoor signal strength is less than -110dbm(3G/1X) or -120dBm(4G/LTE). The resulting coverage area of the boosted signal will be prohibitively small.

The **coverage** and **strength** of an enhanced signal is directly related to two key factors:

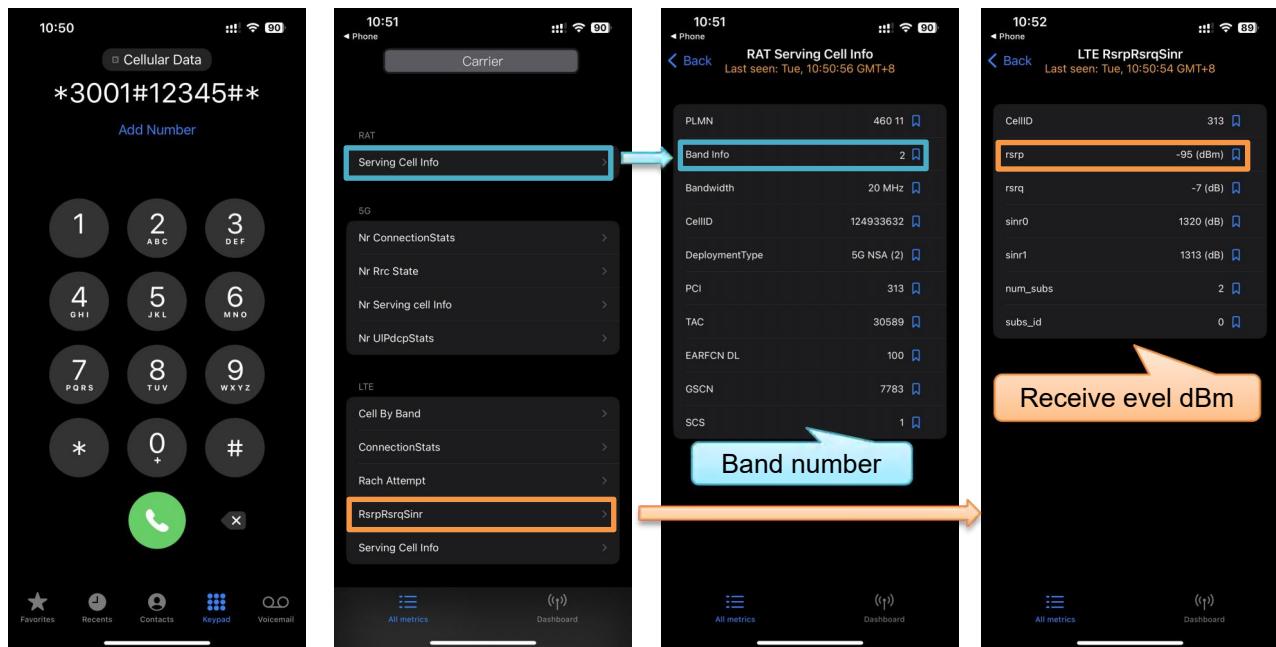
1. The signal strength received by the outdoor unit. Therefore, setting up the outside unit where the signal is strongest will provide the best results.
2. Separation distance between outside unit and inside unit.

# How To Get a dBm Reading and Band Number on Your Phone

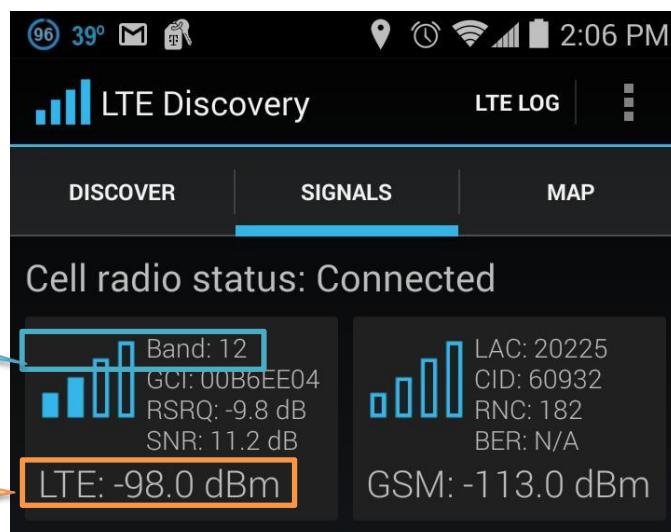
Having an accurate measurement of signal strength in decibels (dBm) is crucial when installing your system. Decibels accurately measure the signal strength you are receiving.

NOTE: Turn off your phone's WiFi to make sure you're checking your phone's connection. Once you have a reading, turn on airplane mode. Wait 15 seconds to turn off airplane mode and refresh the signal strength reading.

**iPhone: Dial \*3001#12345#\* then press Call.**



**Android: Download third part APP-LTE Discovery**

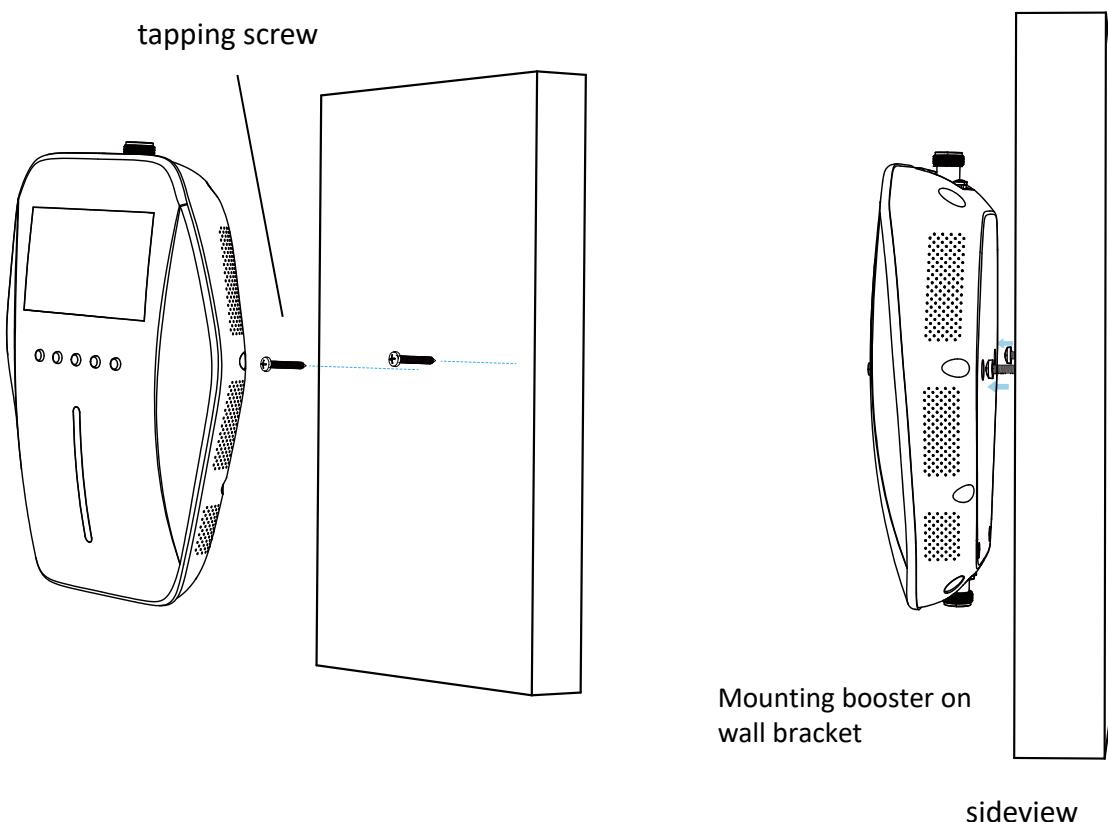


# Step 1: Install the Booster

Install the **Booster** where you need the greatest signal boost and place it in your desired location. Mount the signal booster in a ventilated and dry place that is easily accessible for maintenance (it should be located near a power outlet)

While choosing a location for the booster, please keep in mind that there must be at least 20ft of vertical separation between the outdoor antenna and the inside antenna.

NOTE: Do not connect booster to power until the system is fully installed.



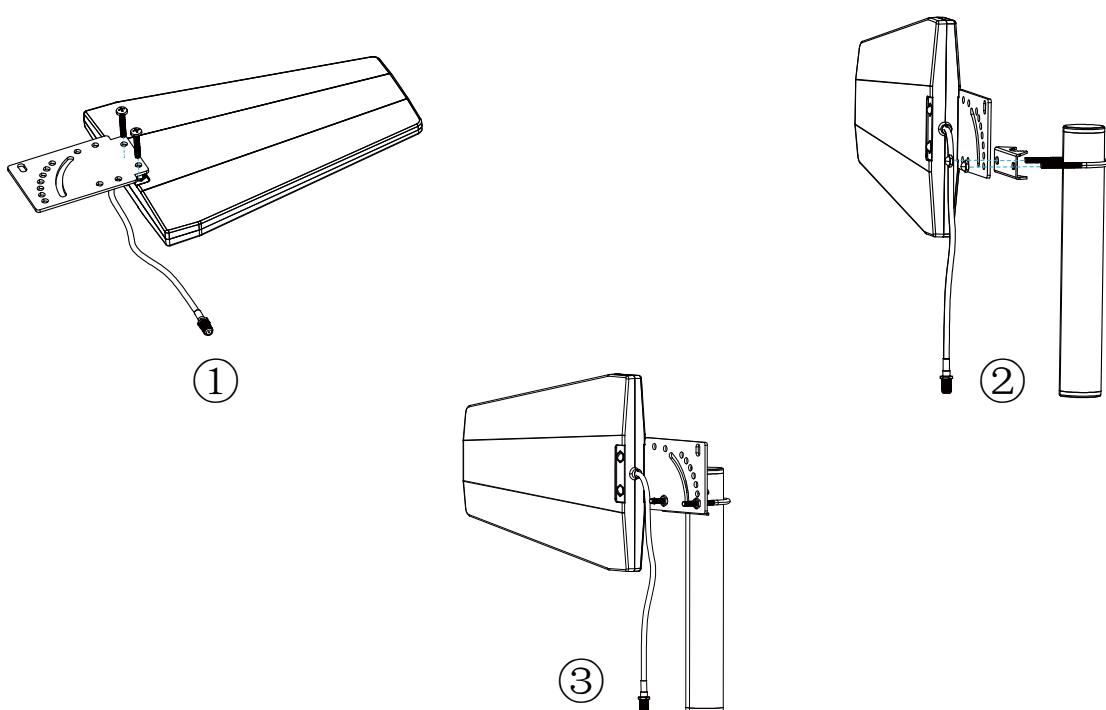
**!** Booster will be about 30 degrees Fahrenheit higher than the ambient temperature, which is a normal phenomenon.

---

# Step 2: Mount & Point Outside Antenna Toward Nearest Cell Tower

**Pole mounting and wall mounting options are included.** The pole mounting option is preferred because it will be easier to adjust to the direction of the cell tower.

Attach the **Mount** to the Outside Antenna and use the **Bracket Clamps** to attach the Antenna to a pole or exhaust pipe.



Make sure that the outside unit is mounted at least 3 feet away from any windows.

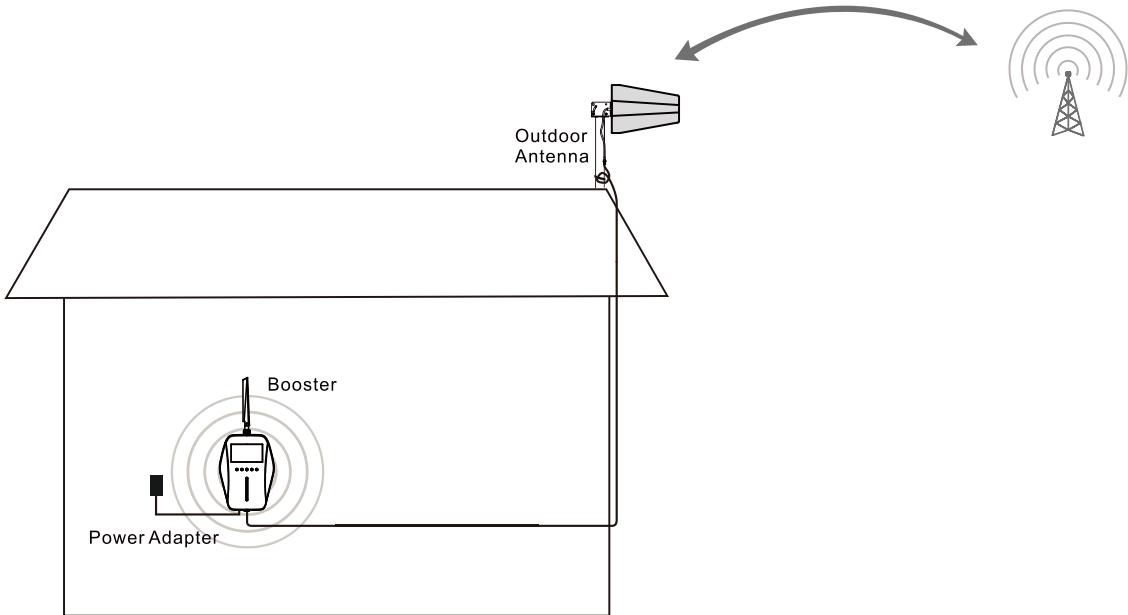
Outdoor antenna must be installed over the roof line.

NOTE: Mounting on existing roof exhaust pipe would be a good time-saver option. Watch out for power lines.

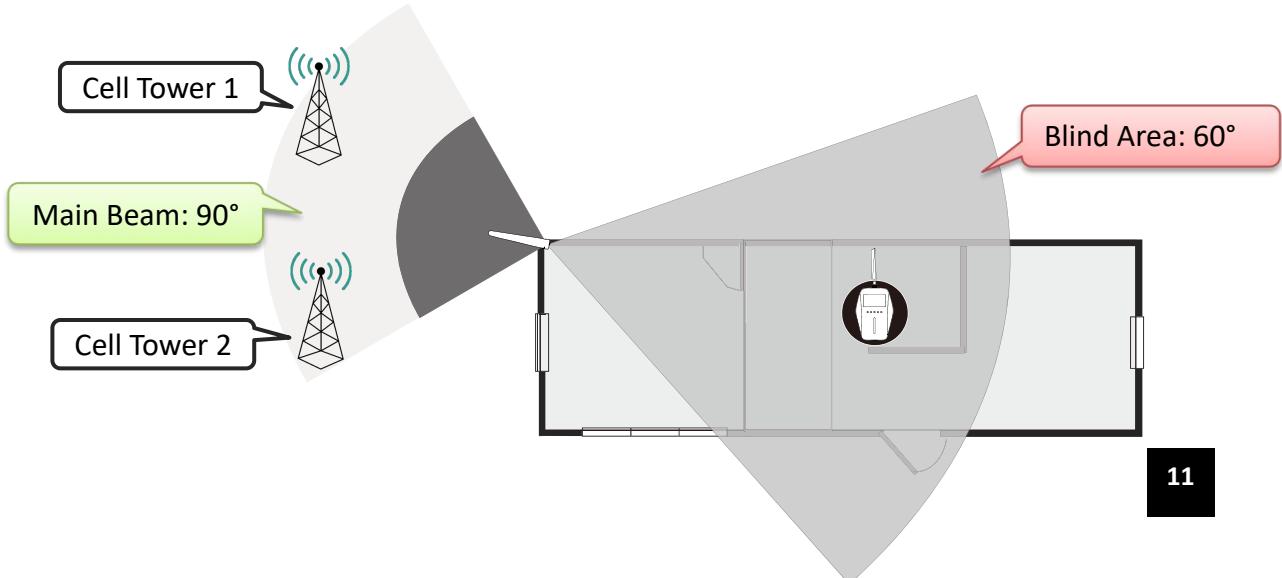
---

(STEP 2 cont.)

Point the **Outside Antenna** toward the nearest cell phone tower. To find the nearest tower, use an app such as 'Open Signal'. **This is the most critical step of the installation process because it will determine the overall performance of the booster system.**



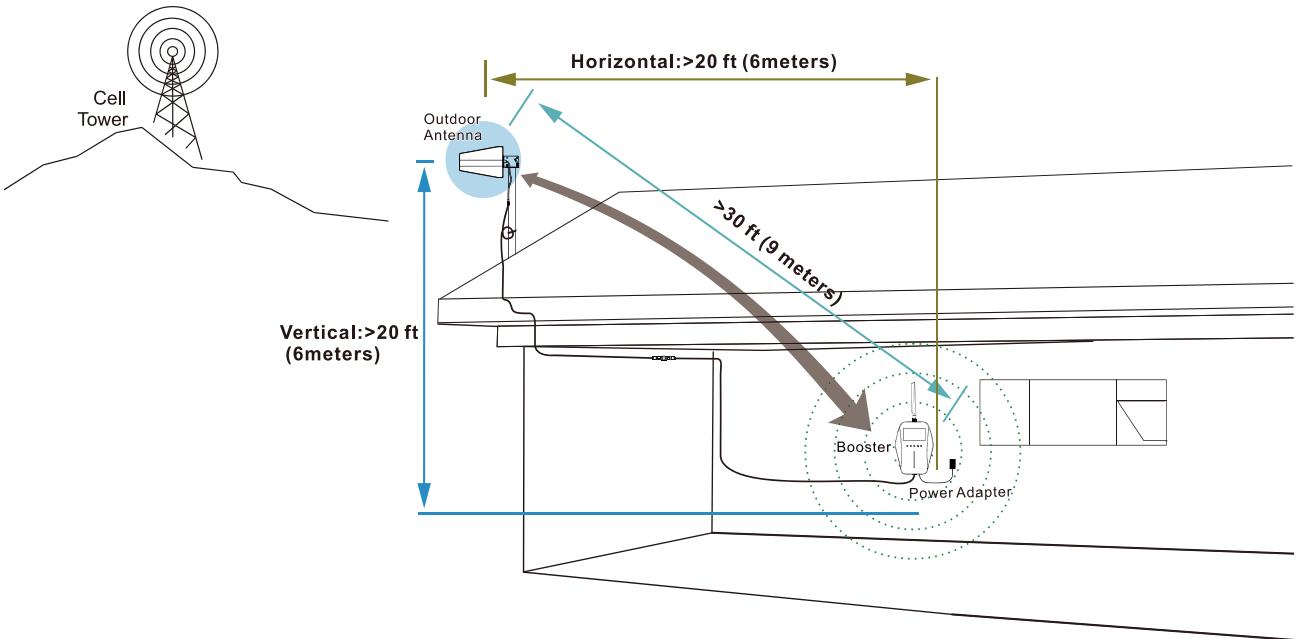
**⚠** The front radiation **main beam** angle of the outside antenna is about **90 degrees**. There is a very less energy radiation area behind the antenna, which we call it "**blind area**". The angle of the blind area is about **60 degrees**; Cell tower No.1 and No.2 in the below picture, their signal received by outdoor antenna is the same.



---

(STEP 2 cont.)

## Keep enough distance between outside antenna and inside unit



### NOTE:

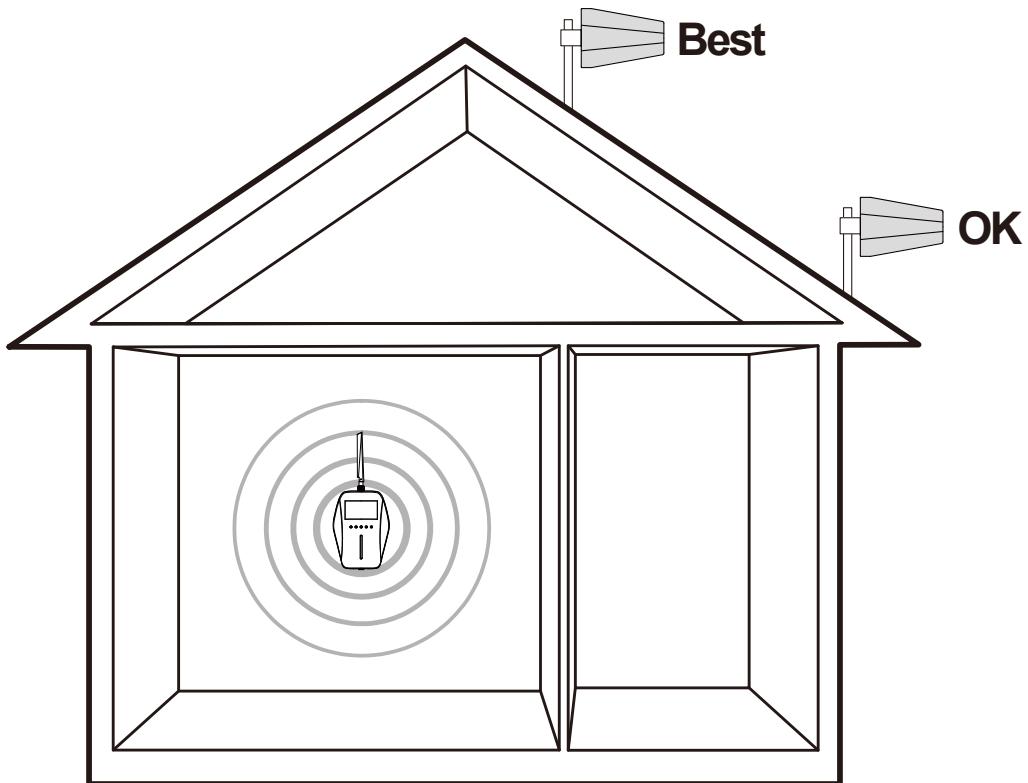
The **Outside Antenna** must be at least **30 feet (9 meters) Straight line distance** or  
**20 feet (6 meters) horizontal**  
**20 feet (6 meters) vertical** from the **inside antenna** for best performance.

**The greater the separation between the Inside Antenna and Outside Antenna, the better performance you will get from the booster.**

---

(STEP 2 cont.)

## Select the optimal mounting location for the outside antenna



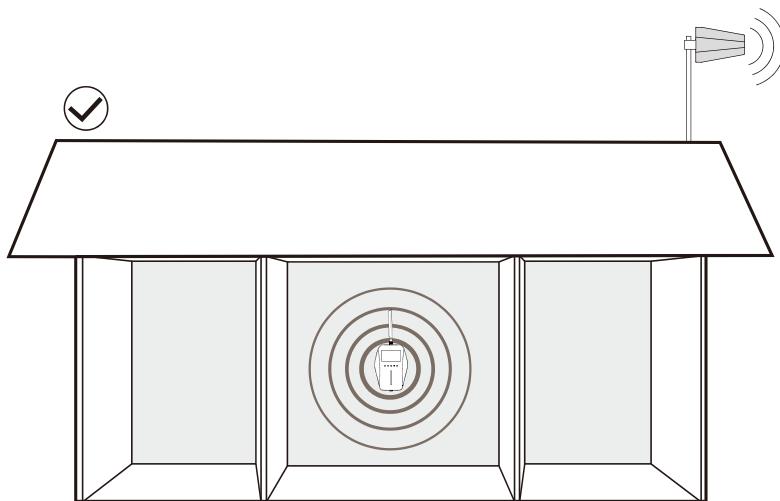
After identifying the area of strongest signal, choose the surface where you will mount your outside antenna.

1. The location should allow for sufficient separation between the outside antenna and inside antenna.
2. In order to better receive external signals, the outside antenna is best installed in a higher position on the house, but please pay attention to lightning protection.

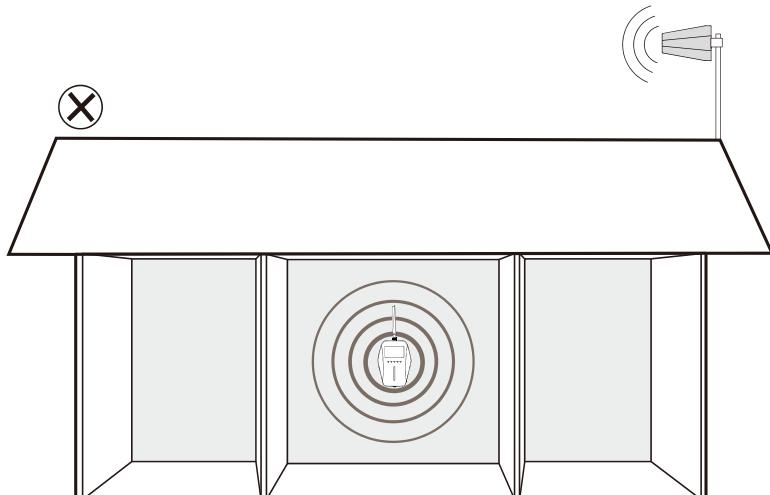
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(STEP 2 cont.)

## Booster and Antenna mutual position



The outside antenna should be oriented in a way that it does not “face” the inside antenna.

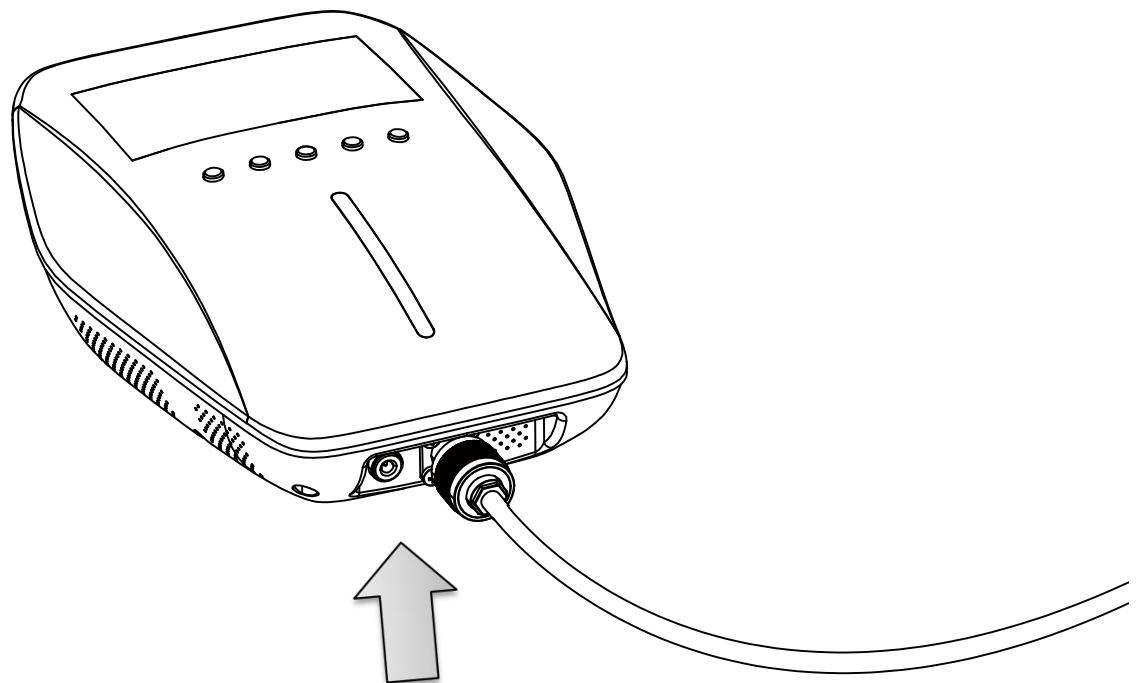


Caution: Do not aim an outside antenna towards the inside antenna.

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## Step 3: Route & Connect Outside Antenna To Booster

Connect the 60ft **Cable to Outside Antenna** and route cable into the home, secure the cable near the antenna. All connections should be **finger tightened** only.

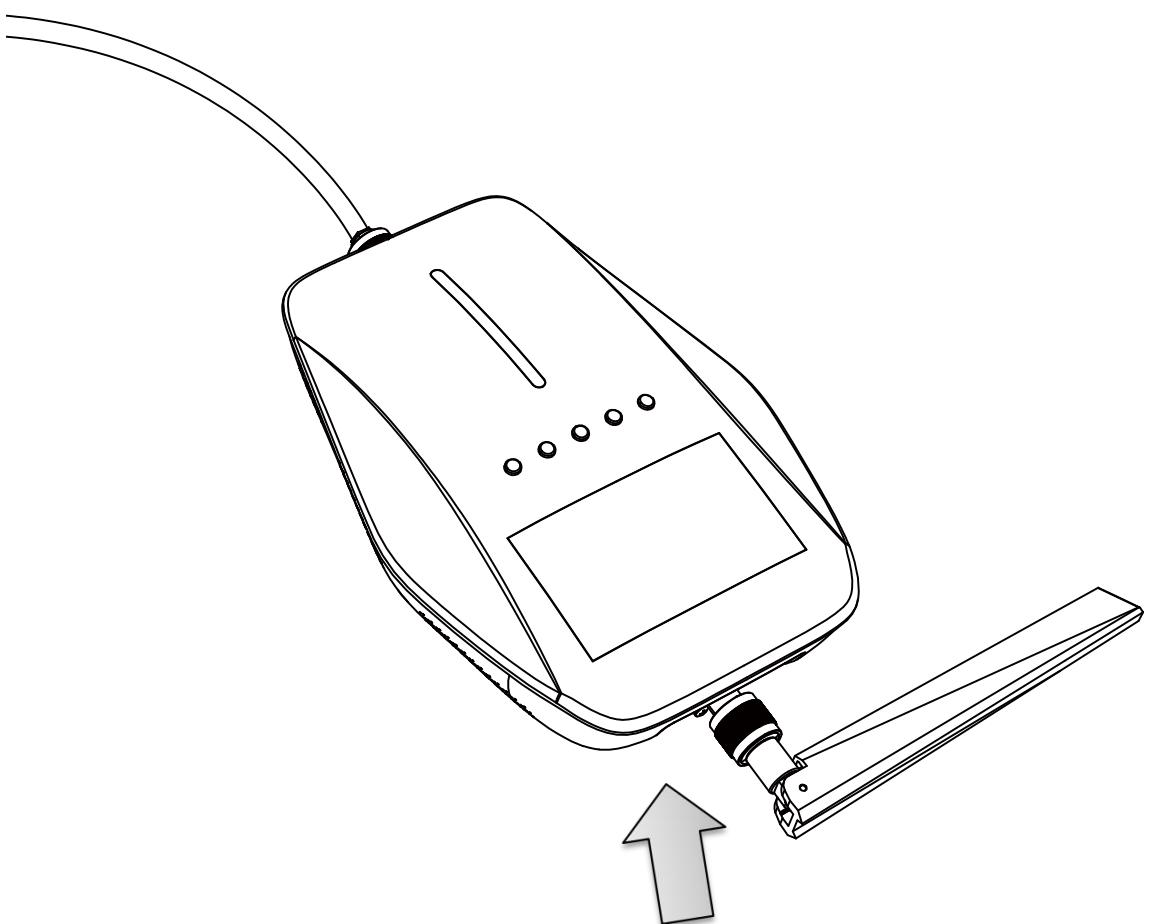


Route cable to the **Booster** and connect to the port labeled 'OUTSIDE'.

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## Step 4: Connect Inside Antenna To Booster

Connect the **Inside Antenna** to the 'INSIDE' port on the **booster**.

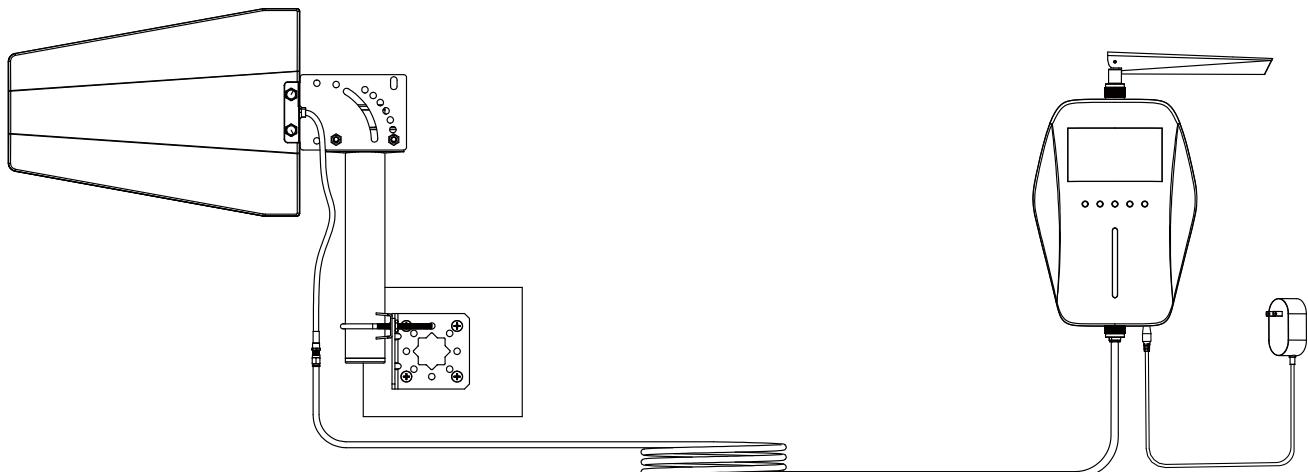


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# Step 5: Power Up The Booster & Optimize The System

Plug in the **Power Supply** and connect it to the nearest power outlet.

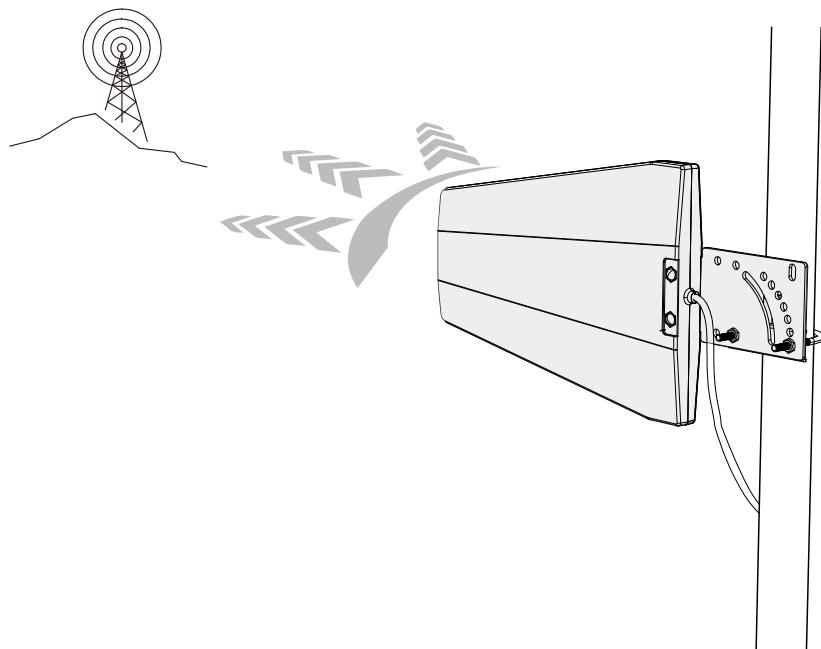
NOTE: We strongly recommend using a power strip with surge protection.



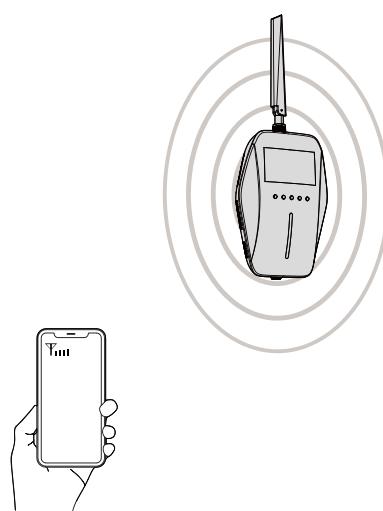
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·(STEP 4 cont.)

After powering up your system, you are now ready to optimize your system. Rotate the outside antenna in 1/3 turn increments, after each turn, unplug and reconnect the booster to power while observing the signal level on your cell phone from the inside antenna's projected area. Secure the outside antenna in place, pointing in the direction that gives you the strongest signal.

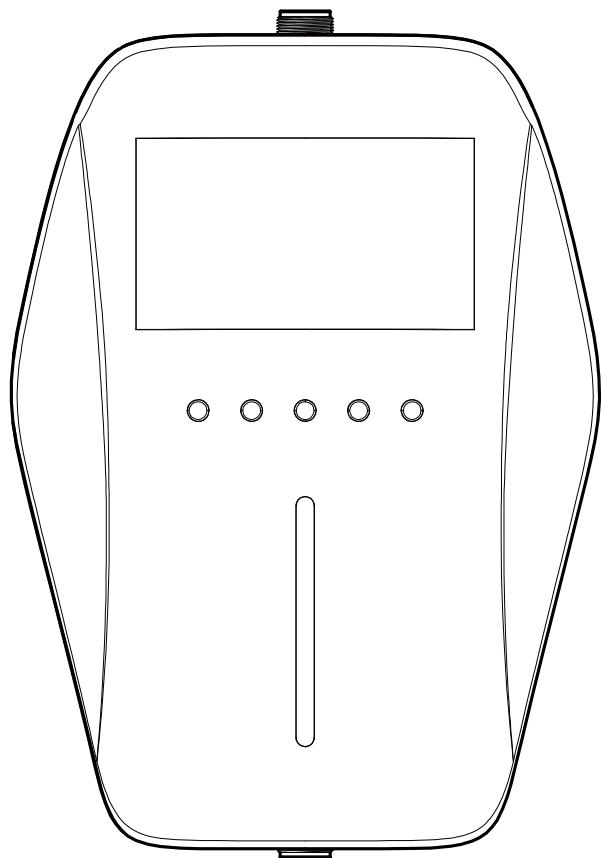


Note: After each rotation, observe signal level on your cell phone from the inside antenna's projected area. This is done best by having someone near the inside antenna taking signal measurements after the person outside makes each rotation.



# UI Guide

Please take a moment to become familiar with the LCD display and control buttons on the booster.

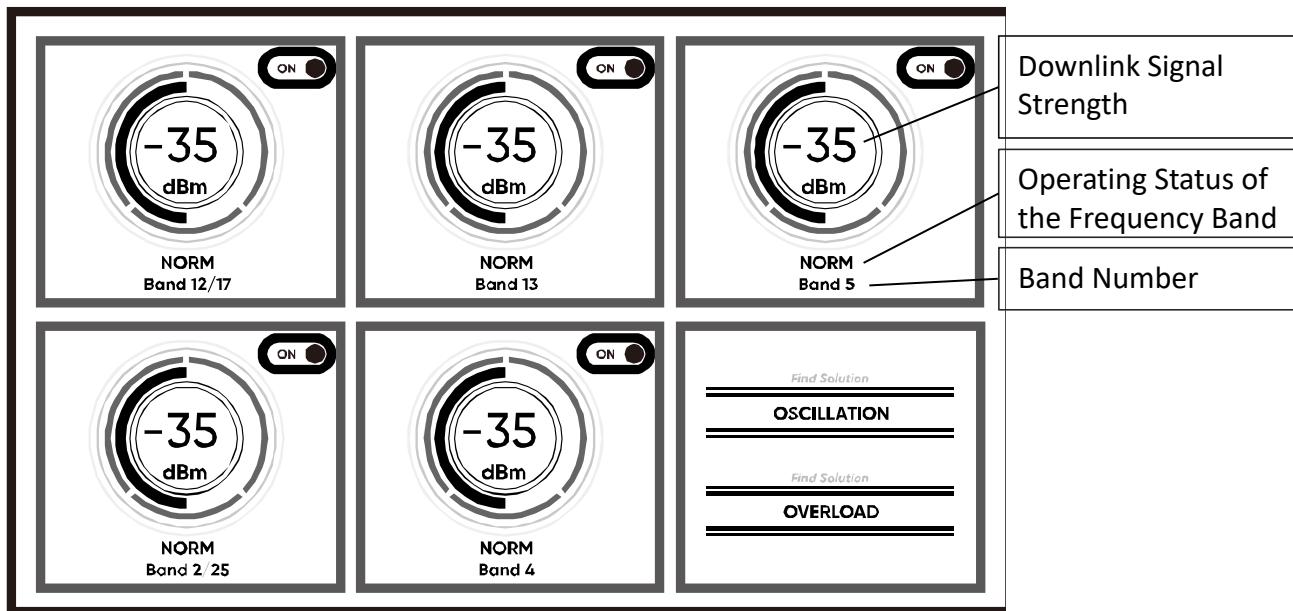


The following are the functions of the five buttons:

- : Focus the cursor on the previous selectable area
- : Focus the cursor to the next selectable area
- : confirm / setting / switch key
- : back to the previous interface key
- : menu key

The display is on the upper part of the , and there are five buttons below the display, which are **the up and down selection keys, the confirm key and return key**, and **the menu key**.

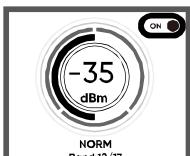
# Main Interface Introduction



## Frequency Band Status Instructions

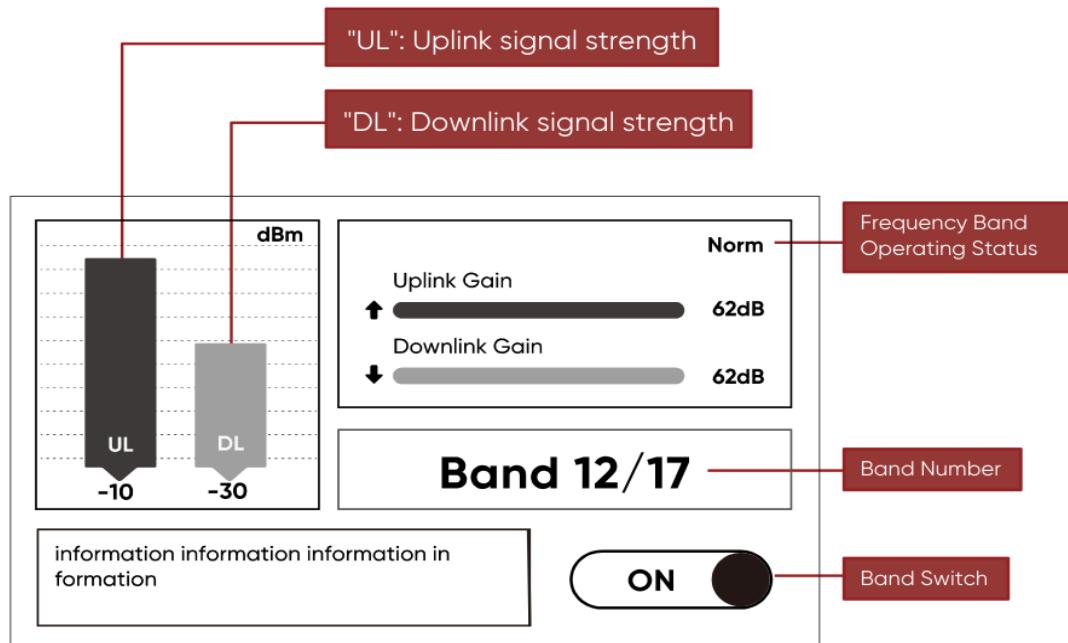
1. "**NORM**": The frequency band is operating normally.
2. "**OSC**": The frequency band is oscillating and the gain is reduced.
3. "**OVERLOAD**": The input signal in the frequency band is too large.
4. "**OFF**": The frequency band is off.

Use the **up and down keys** on the middle side of the screen to select the function on the screen, **the middle key** to confirm the selection, and the **return key** to return to the previous interface.

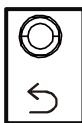


Select **with the left and right keys** and press the middle confirm key to enter the **detail page** about the **corresponding frequency band**.

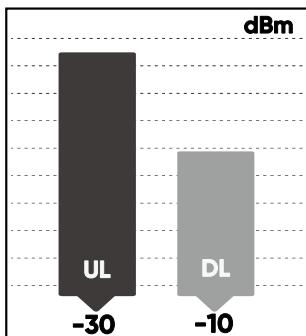
# Details Interface Introduction



1. Select  with the left and right keys and press the middle OK button to **switch the corresponding frequency band**.

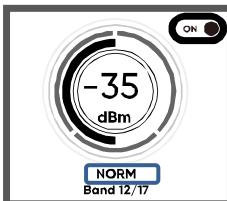


2. Press the  **return key** to return to the previous interface, which is the main interface.



1. "UL": Uplink signal strength
2. "DL": Downlink signal strength

# FIXING THE ABNORMAL BAND STATUS ISSUES



1. "**NORM**": The frequency band is operating normally.
2. "**OSC**": The frequency band is oscillating and the gain is reduced.
3. "**OVERLOAD**": The input signal in the frequency band is too large.
4. "**OFF**": The frequency band is off.

1. "**NORM**": The frequency band is in normal working status. The installation is correct and effective.

2. "**OSC**": The frequency band is oscillating and the gain is reduced. If you are already experiencing the desired signal boost, then no further adjustments are necessary. If you are not experiencing the desired boost in coverage then refer to the troubleshooting section. Please follow pages 25-28 to solve the oscillation problem.

3. "**OVERLOAD**": The input cellular signal in the frequency band is too large.

**Pole Mount Option:** Rotate the outside antenna away from the strongest cellular signal in small increments( $45^\circ$  ). Then power on again and to see if the band status is normal.

**Mounting On Side Of Roof Option:** Change mount location or increase the distance between the outside and inside antenna. Move the outside antenna to another location of the home/building. Then power on again and to see if the band status is normal. Then secure in place.

4. "**OFF**": Enter the details interface and check the prompt message in the lower left box to confirm the detailed OFF status.

- a. **SHUT DOWN BY LOW ISOLATION:** This band has shut down due to low isolation between inside and outside antennas. That means the CPU can not eliminate the oscillation after reducing the gain by 25dB, it will shut down the corresponding band to stop the oscillation. Please follow pages 25-28 to solve the oscillation problem.
- b. **SHUT DOWN BY USER:** Open the band manually.

# FIXING DC POWER INDICATOR OFF ISSUES

Please verify your power supply has power;

Please verify the power cord is tightened;

Contact with us by email or call for replacement.

# Troubleshooting

## FIXING NO SIGNAL IMPROVEMENT ISSUES

Step 1. Check band number. Make sure your band number belongs to one of the following: band 12/17/5/25/4. If not this booster can't help you.

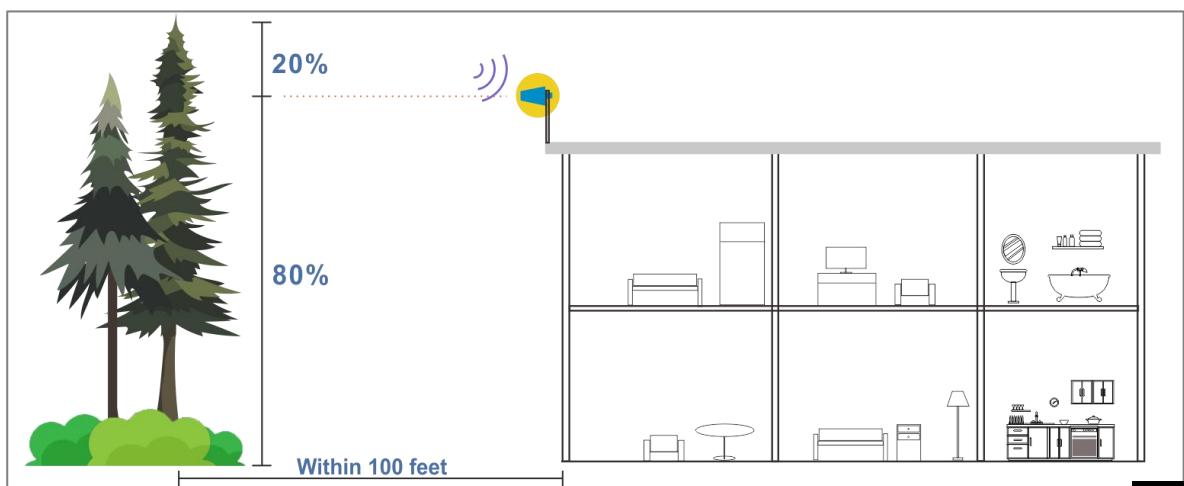
Step 2. Check incoming signal level at outdoor antenna position. Usage of a booster is not recommend when the outdoor signal is less than -110dbm(3G) or -120dBm(4G).

Step 3. Observe the band status on the LCD display. If "OSC" or "OFF" is displayed, please go to page 25 and solve the oscillation problem first.

## FIXING SIGNAL IMPROVEMENT IS NOT OBVIOUS ISSUES

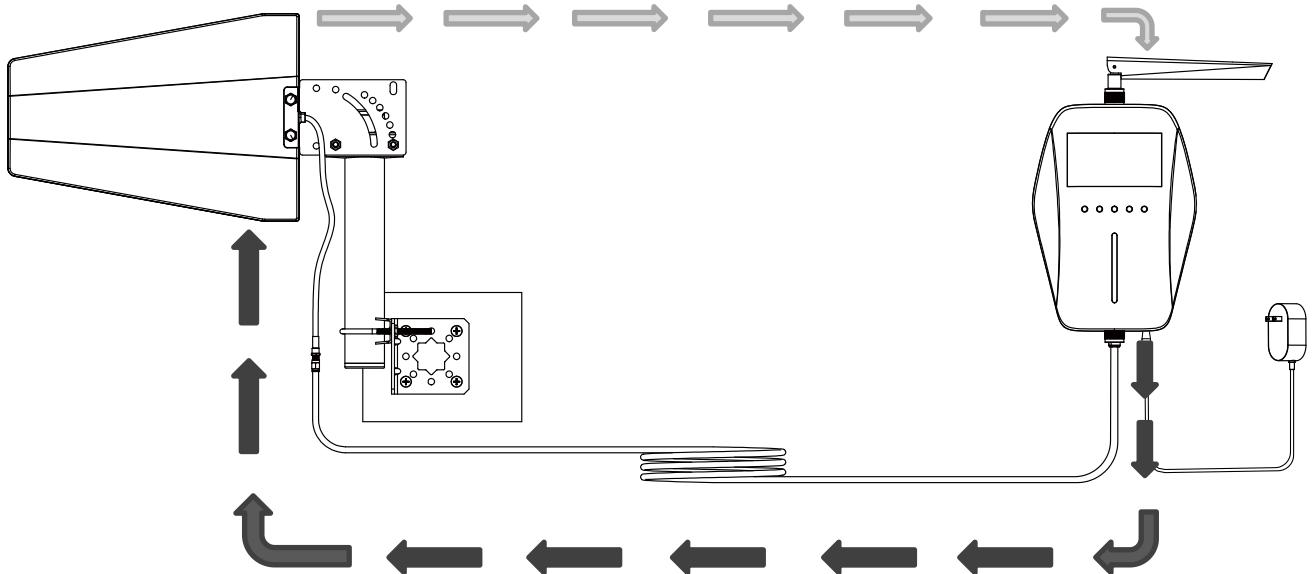
Step 1. Find your cell tower direction. Check website [www.cellmapper.net](http://www.cellmapper.net). Double check your outdoor antenna direction, see if it is facing the tower which coverage your house. Please follow the page 3-6 to find your correct cell tower direction.

Step 2. Improve the receiving conditions of outdoor antenna. Trees will greatly attenuate wireless signals. If there are tall trees around your house. At the same time you can't find a stable signal above 2 bars(-90dbm), the outdoor antenna needs to be erected 60%(at least) to 80%(best) of the tree height(Never exceed the trees!).



# Basic Oscillation Knowledge

## Leak Signal



## Boosted Signal

### How does oscillation happened:

1. Inside antenna receive leak signal from the outside antenna;
2. Booster amplify the signal and then transmit it to the outside antenna;
3. Outdoor antenna broadcast the signal in the air, some of the signal back to inside antenna become leak signal;
4. If the gain of the booster higher than the loss of the leak signal, the leak signal will become bigger and bigger, finally oscillation happened.

# How to solve the problem of oscillation

## 1. Keep enough distance between booster and outside antenna

Minimum Required Separation Distance Between Booster and Outside Antenna:

**Straight line distance over 30 feet (9 meters) or**

**20 feet (6 meters) horizontal distance**

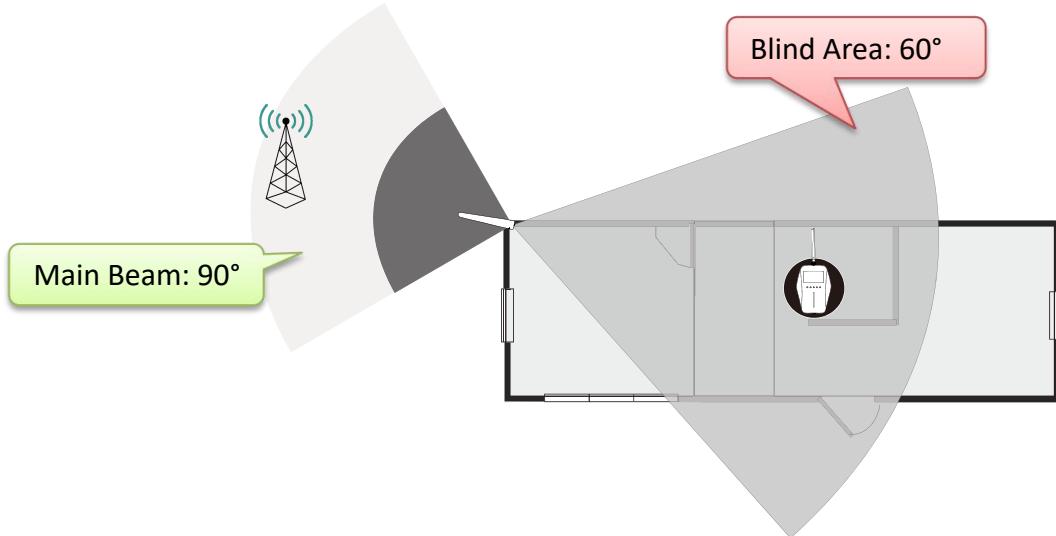
**20 feet (6 meters) vertical distance (as far as possible).**

## 2. The installation position and direction of the outside antenna

a. Outside antenna must be installed over the **roof line**.

b. Keep the inside antenna in the “**Blind Area**” directly behind the outside antenna.

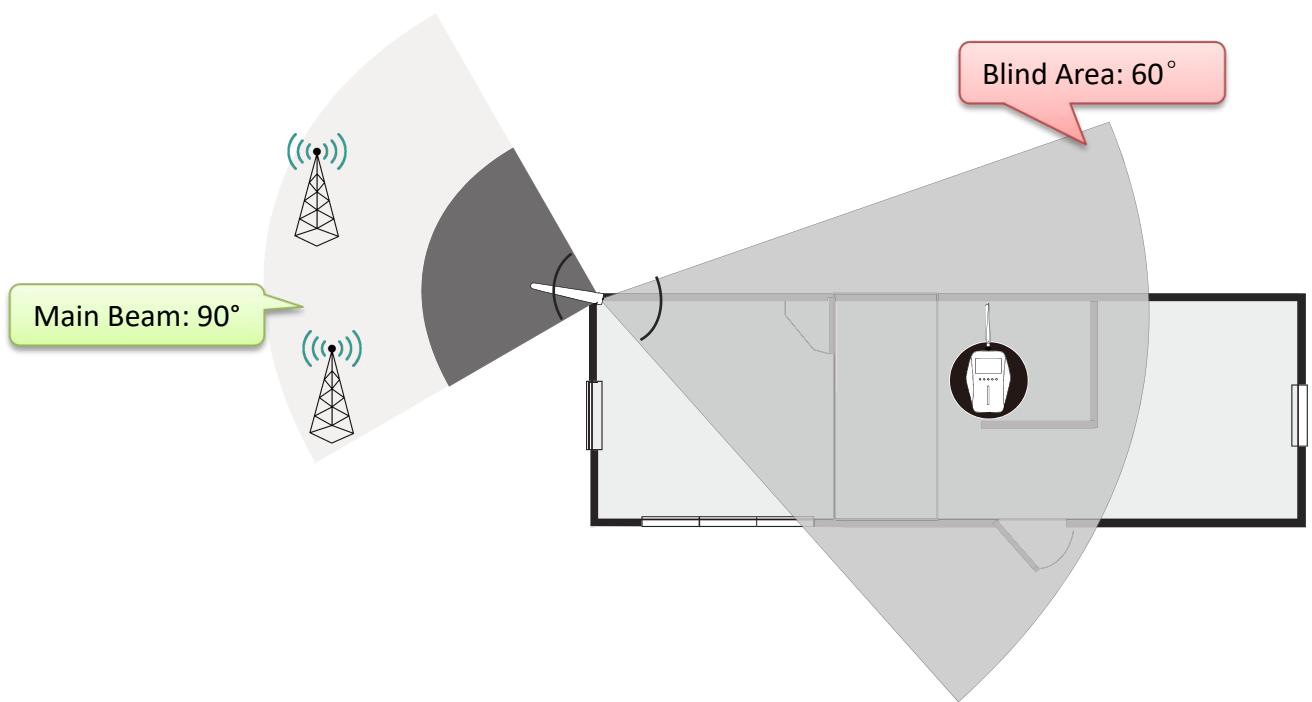
## 3. Since the inside antenna is integrated into the unit, if the oscillation problem cannot be solved, please **adjust the installation position of the inside unit**.



## 3. Check whether there is a reflecting surface formed by a large object in front of the outside antenna

You may need to undo and redo the connection completely. Un-plug and re-plug in power supply.

# Top view of antenna beam shape and energy distribution



**⚠** The outside antenna's forward horizontal main beam is about **90 degrees**. The vertical direction front radiation main beam angle is about **60 degrees**.

Please understand that the physical properties of radio wave transmission are a bit like that of light. Will form a reflection on the surface of the object. The reflection efficiency varies according to the material of the object. In some cases, the signal from the outside antenna will be reflected to the inside antenna, causing **oscillation**.

- At this time, **rotate the outside antenna** horizontally or vertically according to the actual terrain, keep the cell tower within range of the main beam and move the obstruction out of the front radiation area of the outside antenna. This reduces the energy of the reflected signal.

# Real case 1: Oscillation caused by signal reflection

## Basic information description

1. The outdoor antenna is right facing the cell tower;
2. There is a iron warehouse in front of the outdoor antenna, about 100 ft away from the outdoor antenna;
3. Distance between the indoor and outdoor antenna is good enough;
4. Indoor antenna is setup in the “blind area” of the outdoor antenna;
5. The status of the band12/17 on the LCD display shows "OSC"(The band12/17 is oscillating and the gain is reduced.);

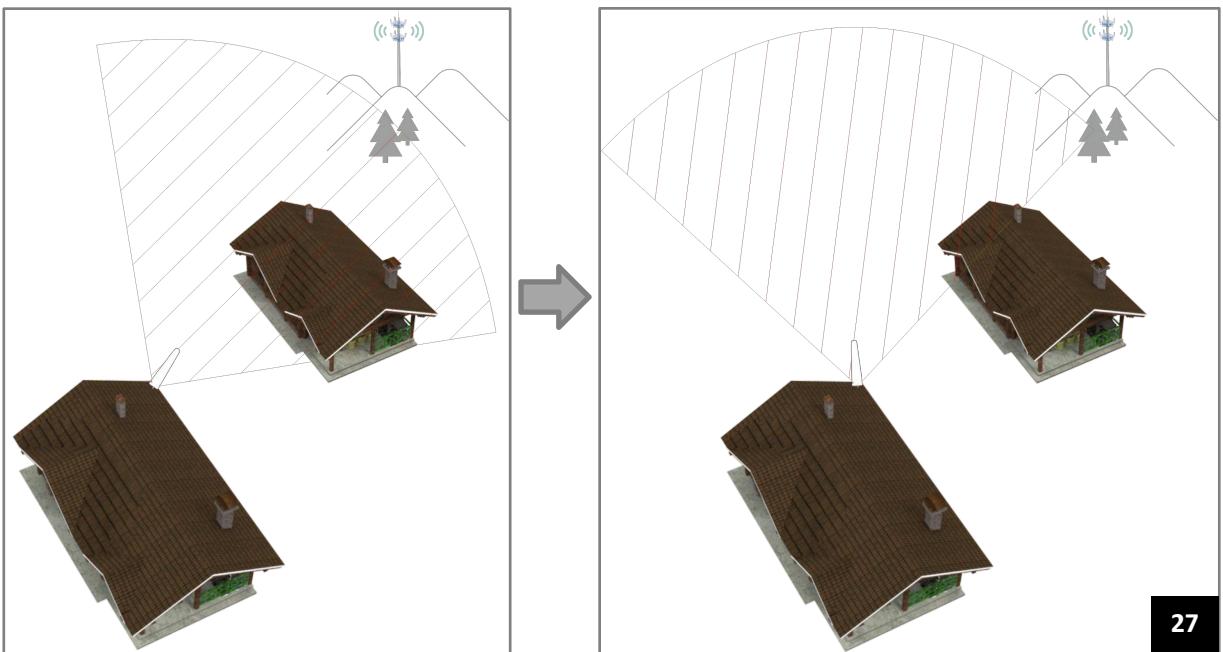
## Case analysis:

The outer surface of the warehouse facing the outdoor antenna, become a big reflect surface. It reflect the signal from the outdoor antenna to the indoor antenna.



## Solution:

Horizontal rotating outdoor antenna. Keep the cell tower at the edge of the main beam, same time move part of the warehouse out of the main beam. This reduces the energy of the reflected signal.



## Real case 2: Oscillation caused by signal reflection

### Basic information description

1. The outdoor antenna is right facing the cell tower;
2. There is a big building in front of the outdoor antenna, about 100 ft away from the outdoor antenna;
3. Distance between the indoor and outdoor antenna is good enough;
4. The status of the band12/17 on the LCD display shows "OSC"(The band 12/17 is oscillating and the gain is reduced.);

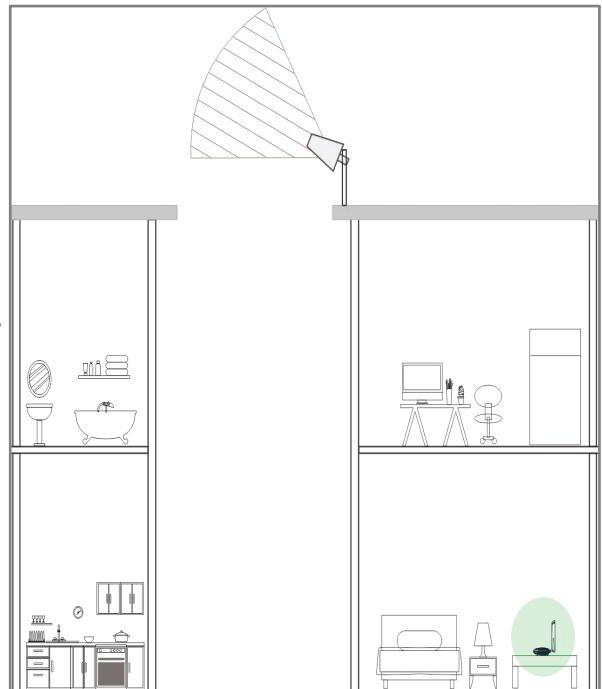
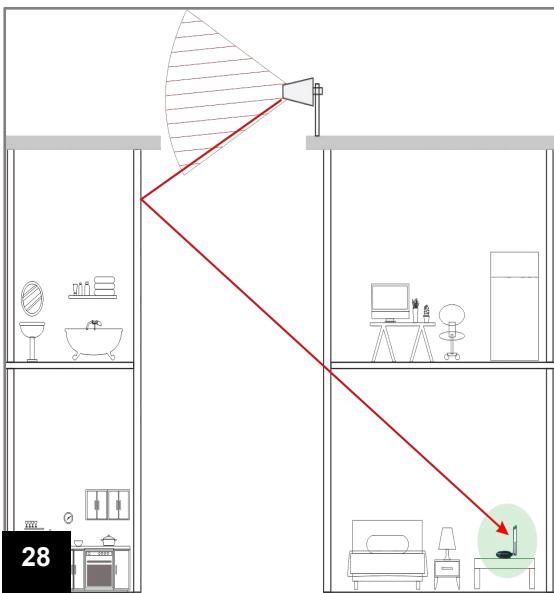
### Case analysis:

The outer surface of the building facing the outdoor antenna, become a big reflect surface. It reflect the signal from the outdoor antenna to the indoor antenna.



### Solution:

Vertical rotating outdoor antenna up 15 to 30 degree. Keep the cell tower at the bottom edge of the main beam, same time move part of the opposite building out of the main beam. This reduces the energy of the reflected signal.



---

# Frequently Asked Questions

## **Q1. Can I install the booster system myself?**

A: Yes. Our cell signal booster kit comes with everything you need to install the booster in your home. This booster kit is designed for step-by-step, guided DIY installation.

## **Q2. Can I add coax cable to the booster system?**

A: Yes. You can add additional coax cable when installing the booster system yourself. However, we do not recommend adding more cable than what is included in the kit as it will result in signal loss.

## **Q3. How many devices can the booster support?**

A: Each band can support 5~10 users same time.

## **Q4. Does a signal booster boost wifi signals?**

A: Unfortunately, signal boosters do not improve wifi signals, only cellular signals such as 3G & 4G LTE for most major US & Canadian carriers.

## **Q5. How do I know where my carrier's nearest cell tower is?**

A: You can check it out through the websites like [www.cellmapper.net](http://www.cellmapper.net) or [www.antennasearch.com](http://www.antennasearch.com).

## **Q6. How do I register my booster with my cell service provider?**

A: FCC regulations require that anyone who operates a cell phone signal booster register the booster with their cellular carrier. Below are links to the online booster registration forms for major U.S. carriers.

If you do not see your service provider below, contact your provider's customer service group to ask how to register your signal booster.

AT&T: <https://securec45.securewebsession.com/attsignalbooster.com/>

Verizon: <http://www.verizonwireless.com/wcms/consumer/register-signal-booster.html>

Sprint: [http://www.sprint.com/legal/fcc\\_boosters.html](http://www.sprint.com/legal/fcc_boosters.html)

T-Mobile: <https://support.t-mobile.com/docs/DOC-9827>

US Cellular: <http://www.uscellular.com/uscellular/support/fcc-booster-registration.jsp/>

# Safety Guidelines

To uphold compliance with network protection standards, all active cellular devices must maintain at least three feet of separation distance from inside unit antenna and outside unit antenna.

Use only the power supply provided in this package. Use of a non-Metarepeater product may damage your equipment.

The Signal Booster unit is designed for use in an indoor, temperature-controlled environment (less than 100 degrees Fahrenheit). It is not intended for use in attics or similar locations subject to temperatures in excess of that range.

**RF Safety Warning:** Any antenna used with this device must be located at least 8 inches from all persons.

## This is a CONSUMER device

BEFORE USE, you **MUST REGISTER THIS DEVICE** with your wireless provider and have your provider's consent. Most wireless provider consent to the use of signal boosters. Some providers may not consent to the use of this device on their network. If you are unsure, contact your provider.  
In Canada, **BEFORE USE** you must meet all requirement set out ISED CPC-2-1-05. You **MUST** operate this device with approved antenna and cables as specified by the manufacturer. Antennas **MUST** be installed at least 20cm (8inches) from(i.e.,**MUST NOT** be installed within 20 cm) of any person.  
You **MUST** cease operating this device immediately if requested by the FCC(or ISED in Canada) or a licensed wireless service provider.  
**WARNING:** E911 location information may not be provided or may be inaccurate for calls served by using this device.  
This device may be operated **ONLY** in a fixed location(i.e.,may operate in a fixed location only) for in-building use.  
In order to reduce oscillations it is recommended that sufficient separation distance is maintained between the donor and server antennas of the zone enhancer system

## Ceci est un appareil CONSOMMATEUR

AVANT UTILISATION, VOUS DEVEZ ENREGISTRER CET APPAREIL auprès de votre fournisseur de services sans fil et obtenir le consentement de votre fournisseur. La plupart des fournisseurs de services sans fil consentent à l'utilisation d'amplificateurs de signal. Certains fournisseurs peuvent ne pas consentir à l'utilisation de cet appareil sur leur réseau. Si vous n'êtes pas sûr, contactez votre fournisseur. Vous devez utiliser cet appareil avec des antennes et des câbles approuvés comme spécifié par le fabricant. Les antennes DOIVENT être installées à au moins 20 cm (8 pouces) de toute personne.  
Vous DEVEZ cesser d'utiliser cet appareil immédiatement à la demande d'ISDE ou d'un fournisseur de services sans fil autorisé.  
**AVERTISSEMENT :** Les informations relatives à la localisation pour le service E911 peuvent être non fournies ou inexactes pour les appels transitant par cet appareil.  
Cet appareil peut être utilisé **UNIQUEMENT** dans un emplacement fixe pour une utilisation à l'intérieur du bâtiment.  
Afin de réduire les oscillations, il est recommandé de maintenir une distance de séparation suffisante entre les antennes du donateur et du serveur du système d'enrichisseur de zone.

FOR MORE INFORMATION ON REGISTERING YOUR SIGNAL BOOSTER WITH YOUR WIRELESS PROVIDER, PLEASE SEE BELOW:

<b>Sprint:</b>	<a href="http://www.sprint.com/legal/fcc_boosters.html">http://www.sprint.com/legal/fcc_boosters.html</a>
<b>T-Mobile/MetroPCS:</b>	<a href="https://support.t-mobile.com/docs/DOC-9827">https://support.t-mobile.com/docs/DOC-9827</a>
<b>Verizon Wireless:</b>	<a href="http://www.verizonwireless.com/wcms/consumer/register-signal-booster.html">http://www.verizonwireless.com/wcms/consumer/register-signal-booster.html</a>
<b>AT&amp;T:</b>	<a href="https://securec45.securewebsession.com/attsignalbooster.com/">https://securec45.securewebsession.com/attsignalbooster.com/</a>
<b>U.S. Cellular:</b>	<a href="http://www.uscellular.com/uscellular/support/fcc-booster-registration.jsp">http://www.uscellular.com/uscellular/support/fcc-booster-registration.jsp</a>

# Specifications

Model Number	SF006A				
Connectors	N-Female on the inside Antenna / N-Female on the Outside Antenna				
Noise figure	5 dB nominal				
Antenna Impedance	50 Ohms				
Weight	0.81Kg				
Frequency(Uplink)	698-716MHz	776-787MHz(US)	824-849MHz	1850-1915MHz	1710-1755MHz 777-787MHz(CA)
Frequency Band	Band12/17	Band13	Band5	Band25/2	Band4
OutputPower (dBm)	20. 32	20. 99	21. 21	22. 46	21. 47
Frequency(Downlink)	728-746MHz	746-757MHz(US)	869-894MHz	1930-1995MHz	2110-2155MHz 746-756MHz(CA)
Frequency Band	Band12/17	Band13	Band5	Band25/2	Band4
OutputPower (dBm)	2. 83	0. 55	8. 67	8. 05	8. 58
EIRP	1W Max				
Operating temperature	5°F to 140°F (-15°C~60 °C)				
Isolation	>110 dB				
Power Requirements	AC / DC 12V,2A, w/1.35X3.5mm Jack				

(1) The 10 meter height limit of Section 27.50(d)(4) applies for Fixed Consumer Signal Boosters transmitting in 1710-1755 MHz. The 10 meter antenna height limitation can be addressed in install/operate instructions in one of two ways:

- (i) Specify that the antenna for the device must be installed to comply with the 10 meter above ground maximum antenna height limitation OR
- (ii) Specify that the antenna for the device has a 10 meter above ground maximum antenna height limitation when the device is used with a handset that covers the 1710-1755 MHz band and that owners could be subject to potential FCC enforcement action for noncompliance.

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## 3 YEAR WARRANTY

The Booster is covered under a three-year product warranty for failures or defects that result from craftsmanship and/or materials. Dated proof of purchase should be retained for use in warranty cases. Contact the retailer/reseller directly with any warranty issues, or alternatively contact the manufacturer in cases where the reseller is no longer available to handle warranty claims. In cases where the reseller is unavailable, the product may be returned to the manufacturer at the consumer's expense, with a dated proof of purchase and a return authorization letter which can be attained by contacting SunFord.

This warranty does not apply to any signal booster components determined by Metarepeater to have been subjected to misuse, abuse, neglect, tampering, or mishandling that result in damages to the physical or electronic properties of the product. Refurbished products that have been recertified to conform to product specifications may be used for product replacements.

**DISCLAIMER:** The information provided by Metarepeater is believed to be complete and accurate, to the best of our knowledge. However, no responsibility is assumed by Metarepeater for any business or personal losses arising from the use of the information herein contained, or for any infringements of patents or other rights of third parties that may result from its use.

### Mobile phone is the minimum distance to use indoor antenna

Inside server antenna types	Type specification	Minimum separation distances D (m)
Wall mounted (i.e., panel or other type) antennas	A0501SF	1
	A0502SF	1
Table top antennas	A0801SF	1

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# Antenna kitting Information

Component	Type specification	Gain/Loss					Manufacturer
		LTE-707	LTE-781	800MHz	1900MHz	1700MHz\2100MHz	
Outside Cable	4D-FB 60Feet	3.9dB	4.1dB	4.1dB	6.9dB	6.7dB\7.2dB	Suirongcable
Outside Cable	RG6 60Feet	3.2dB	3.4dB	3.4dB	5.2dB	5.1dB\5.5dB	Suirongcable
Outside Cable	RG6 30Feet	1.6dB	1.7dB	1.7dB	2.6dB	3.3 dB\4.2dB	Suirongcable
Inside Cable	RG6 30Feet	1.6dB	1.7dB	1.7dB	2.6dB	4.2dB\4.2dB	Suirongcable
Inside Cable	RG6 15Feet	0.8dB	0.85dB	0.85dB	1.3dB	2.1dB	Suirongcable
Outside Antenna	A0103SF	5.6dBi	6.7dBi	7.1dBi	8.0dBi	7.9dBi\7.6dB	Shenyang Sanfeng Intelligent Technology Co., Ltd
Outside Antenna	A0104SF	6.6dBi	6.6dBi	6.5dBi	7.0dBi	7.2dBi\6.6dB	Shenyang Sanfeng Intelligent Technology Co., Ltd
Inside Antenna	A0501SF	5.1dBi	3.8dBi	4.5dBi	8.8dBi	6.4dBi	Shenyang Sanfeng Intelligent Technology Co., Ltd
Inside Antenna	A0502SF	5.57dBi	5.79dBi	5.91dBi	6.91dBi	7.61dBi	Shenyang Sanfeng Intelligent Technology Co., Ltd
Inside Antenna	A0801SF	-1.3dBi	1.6dBi	1.8dBi	2.2dBi	2.9dBi	Shenyang Sanfeng Intelligent Technology Co., Ltd

All equivalent antennas and cables are suitable for use with the SunFord booster.

Package configuration:

SF006A + A0104SF +4D-FB 60Feet +A0801SF

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## FCC Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

## IC Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

The term "IC: " before the certification/registration number only signifies that the Industry Canada technical specifications were met. This product meets the applicable Industry Canada technical specifications.

Cet appareil contient des émetteurs / récepteurs exemptés de licence conformes aux RSS (RSS) d'Innovation, Sciences et Développement économique Canada. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage,
- et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Vous devez utiliser cet appareil avec des antennes et des câbles approuvés comme spécifié par le fabricant. Les antennes doivent être installées à au moins 20 cm (8 pouces) de toute personne.

This product meet all requirements set out in CPC-2-1-05, URL:

<http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf08942.html>

Ce produit répond à toutes les exigences énoncées dans CPC-2-1-05, URL:

<http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf08942.html>

## Notes

# Metarepeater



**3-year manufacturer's warranty**

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