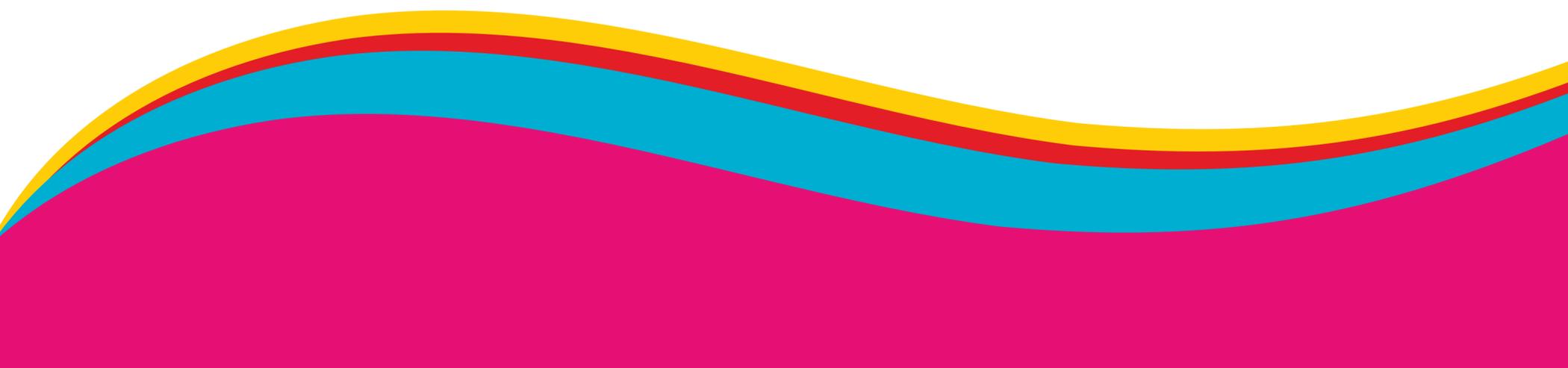
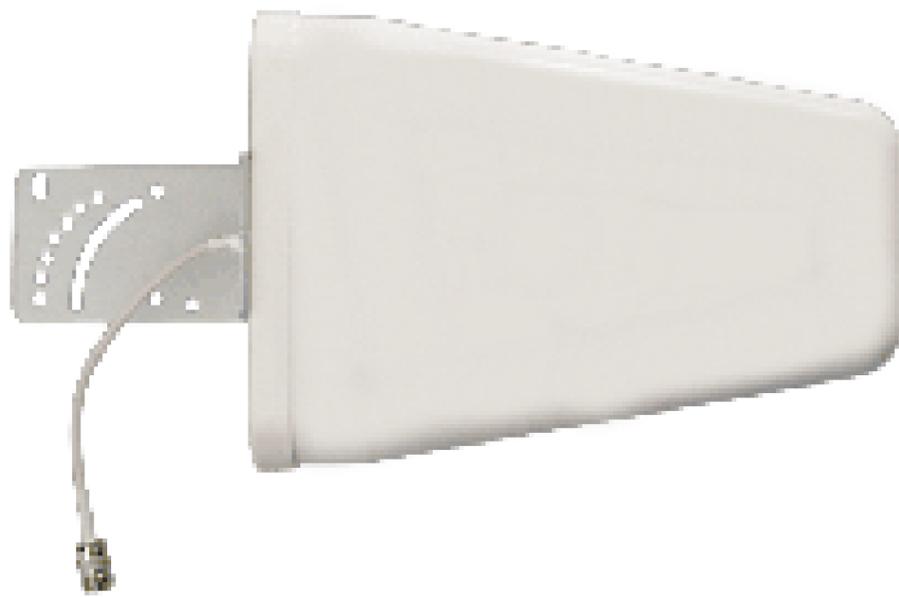




Antenna Gear Installation Guide

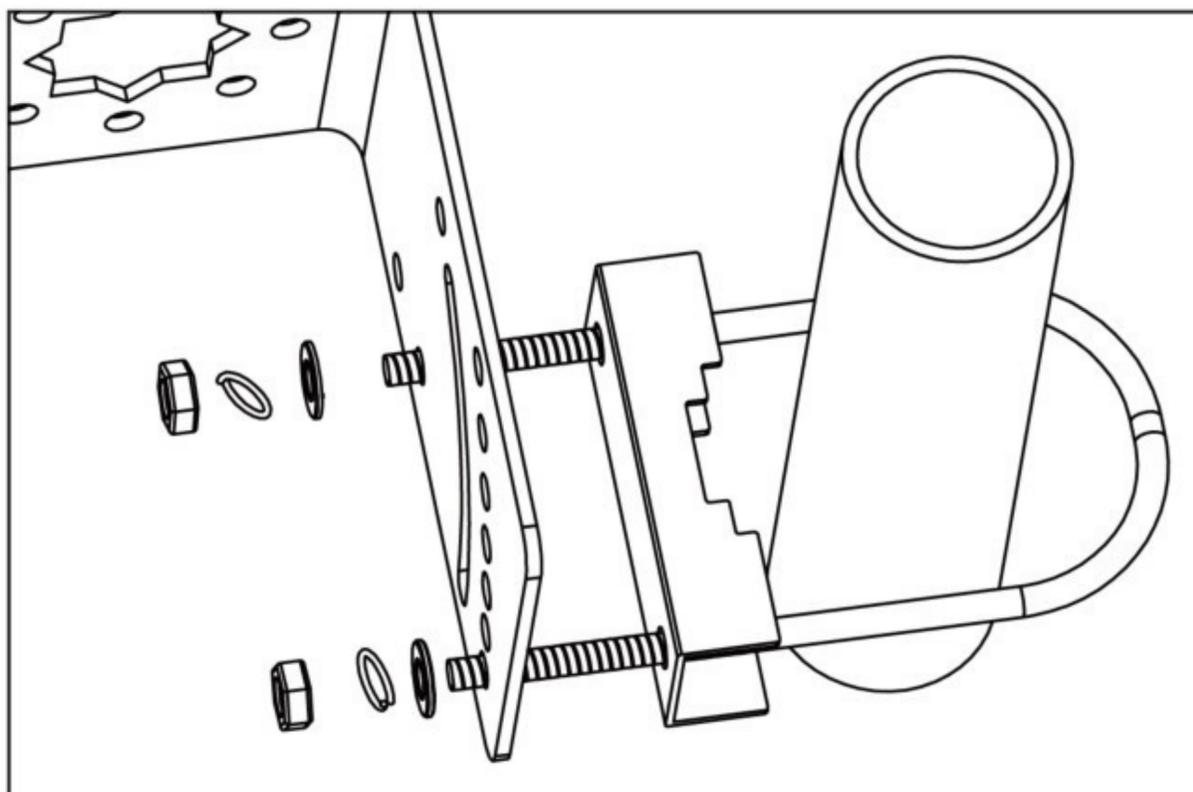
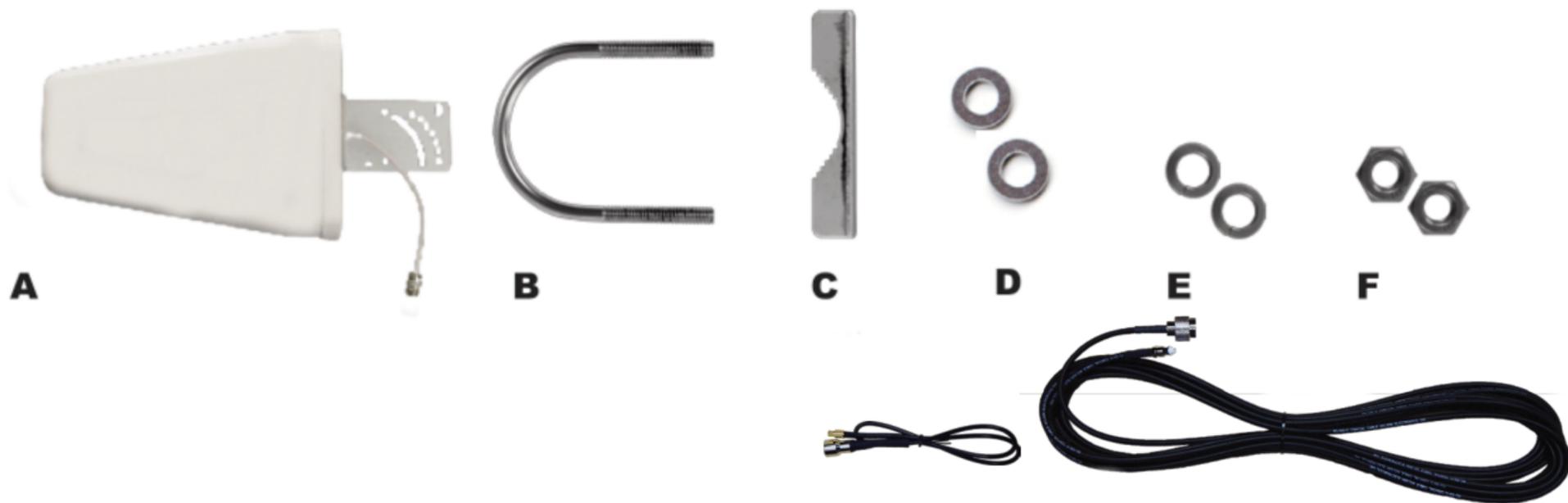


How It Works

The antenna will connect to the cell tower and bring that signal to the WiFi modem which would connect to your device/s.

Package Contents

(A) Wide Band Log Periodic Directional Antenna & L Bracket, (B) 2 - U-Bolts, (C) 2 - Pipe Brackets, (D) 4 - 1/4" Washers, (E) 4 - 1/4" Split-Lock Washers, (F) 4 - 1/4"-20 nuts.



Antenna Mounting Instructions

- 1 – Install U-Bolt (**B**) on the pole.
- 2 – Slide Pipe Clamp (**C**) over U-Bolt (**B**) Flat side away from the pipe.
- 3 – Slide antenna bracket (**A**) onto U-Bolt (**B**) in the desired location.

Note: Antenna may be installed on a variety of pipe angles, ensure the antenna is pointing at the cell tower and is vertical with the drip hole at the bottom.

- 4 – Install Flat washer (**D**), split lock washer (**E**) and nut (**F**), tighten as appropriate.

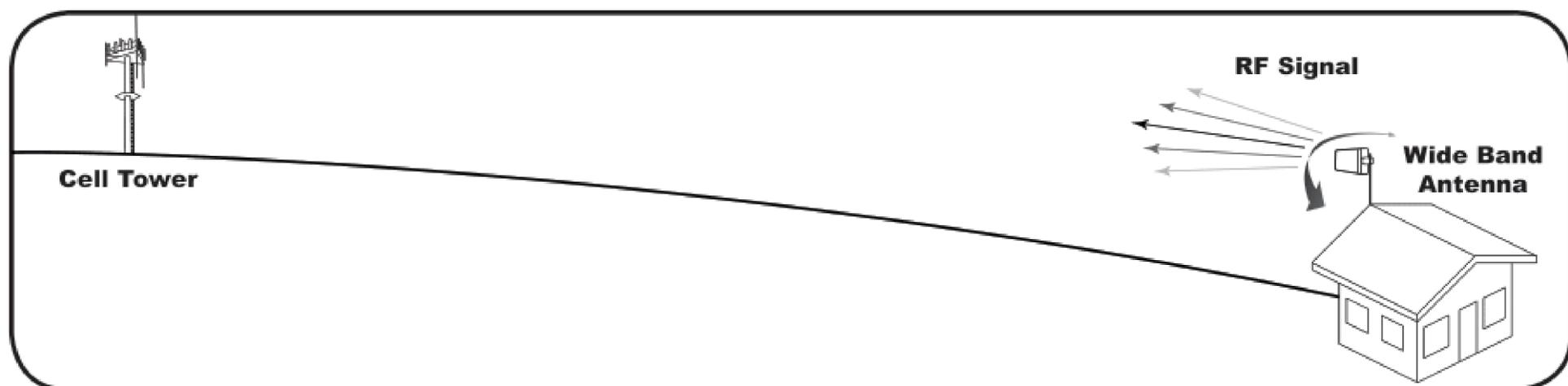
Note: A second U-Bolt assembly has been included to strengthen antenna mounting in windy areas repeat steps 1 thru 4 to install.



Antenna Installation

The antenna should be mounted as shown in the illustration above. The included mounting bracket is adjustable and will accommodate pipe diameters from 1.25" to 2" (pipe sold separately). Mount the antenna so that there is at least 3 feet of clearance in all directions around it. Position the antenna so that it has the most unobstructed line of sight to the cellular service provider's strongest signal. If you are using a wireless signal booster, make sure the antenna is not pointing across your own roof.

Warning: Lightning protection is recommended for all installations. Take extreme care to ensure that neither you nor the antenna comes near any electric power lines.



Adjusting the Antenna for Maximum Performance

To adjust the antenna for best performance, connect it to your cell phone with an external adapter and a length of coaxial cable. External antenna adapters and coaxial cables are sold separately. Put the cell phone in test mode and turn the Antenna in 10-degree increments while checking the cell phone's signal level. At each point you may need to wait a few seconds as your cell phone updates. Signal readings usually appear as a negative number (for example, -86). The larger the number, the more powerful the signal (-75 is stronger than -84).

Antenna Adapter An external adapter may be required to connect your cellular data card directly to the antenna. The external adapter is specific and may be purchased through a local retailer.

Important: If you are using a wireless signal booster, be sure the Antenna is not pointing across the building in which you are trying to get coverage. The antenna should point away from the building to help prevent oscillation (feedback). Cell Tower Drip hole on bottom

Once you have obtained the strongest signal, fully tighten the mounting hardware.

Ultra low loss coax is recommended for lengths 20' or greater to prevent significant signal loss.

Antenna Specifications

Part Number						
Frequency Range	700 -800 MHz	800-915 MHz	915-1710 MHz	1710-1850 MHz	1850-1990 MHz	1990-2700 MHz
Gain	8.0 dBi	8.0 dBi	7.0 dBi	9.0 dBi	10.5 dBi	10.0 dBi
	1.6:1	1.4:1	1.3:1	1.2:1	1.2:1	1.2:1
	1.5:1	1.3:1	1.6:1	2.0:1	1.7:1	1.5:1
Horizontal Beamwidth	70° to 90°					
Vertical Beamwidth	85° to 110°					
F/B ratio	>20 dB					
Nominal Impedance						
Polarization	Vertical					
Maximum Power	100 watts					
Connector	- N-Female • - F-Female					
Dimension	11.42" x 8.27" x 2.56" In					
Weight	3.31 lbs					
Temperature Range	-40° to 158° F					
Rated Wind Velocity	134 MPH					
Lightning Protection	DC grounded					



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