

## Permanent Mount Multiband Omnidirectional Antenna

This antenna provides multiband omnidirectional coverage for fixed or mobile applications operating in AMPS, PCS and Wi-Fi frequencies. Featuring a durable, very low profile radome and integral stud mount base for through hole installations, this antenna is ideal for vending machine, meter reading and other telemetry data tracking applications requiring a discrete antenna solution.

### Features:

- Low profile design for minimal exposure to theft or vandalism
- Through hole mounting with jam nut prevents removal of antenna
- Rubber gasket for water ingress prevention allows use in and out of doors
- Durable UV stable plastic for long lasting indoor or outdoor installations
- High gain performance and high efficiency cable supports highly efficient radio systems



## Antenna Electrical Specifications

| PCTMBPTSM/RPSM | Operating Frequencies | Horizontal Beamwidth | Vertical Beamwidth | Peak Gain |
|----------------|-----------------------|----------------------|--------------------|-----------|
| Cellular       | 824-896 MHz           | 360°                 | 40°                | 2 dBi     |
|                | 1850-1990 MHz         |                      | 25°                | 3 dBi     |
| WiFi           | 2400-2485 MHz         | 360°                 | 24°                | 3 dBi     |

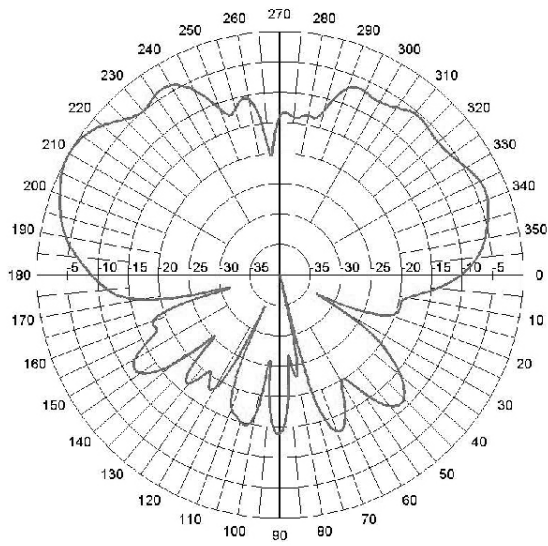
## Mechanical Specifications

| Model          | Dimensions                            | Weight (Mass)        |
|----------------|---------------------------------------|----------------------|
| PCTMBPTSM/RPSM | 4.4 x 1.5 inches<br>(11.18 x 4.06 cm) | 0.40 lb<br>(0.18 kg) |

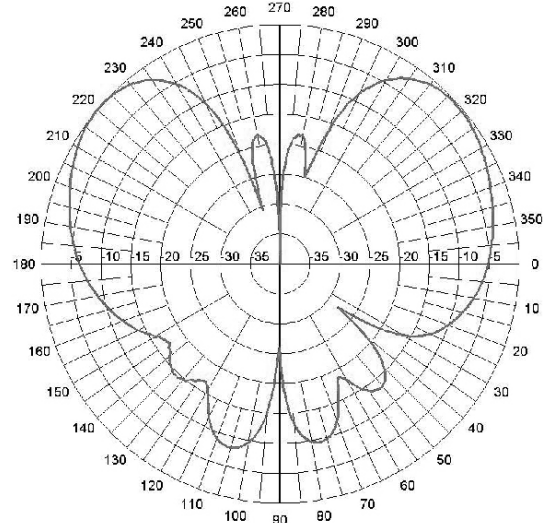
## Technical Data

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| <b>General Specifications:</b><br>Bottom fed multiband antenna for use on metallic ground planes |
| <b>Maximum Power:</b><br>10 watts  |
| <b>VSWR:</b><br>< 2:1 (Wi-Fi)<br>< 2:1 (AMPS, PCS)   |
| <b>Nominal Impedance:</b><br>50 ohms   |
| <b>Polarization:</b><br>Linear, vertical   |
| <b>Radome Material:</b><br>UV stable plastic   |
| <b>Cable:</b><br>Two 3 foot Pro-Flex Plus 195  |
| <b>Connector*:</b><br>Male SMA (AMPS/PCS)<br>Reverse Polarity SMA (WiFi)                         |
| <b>Mount Method:</b><br>Through hole 15/16-inch dia (0.94)<br>7/8-14-inch UNF plastic Hex-nut    |

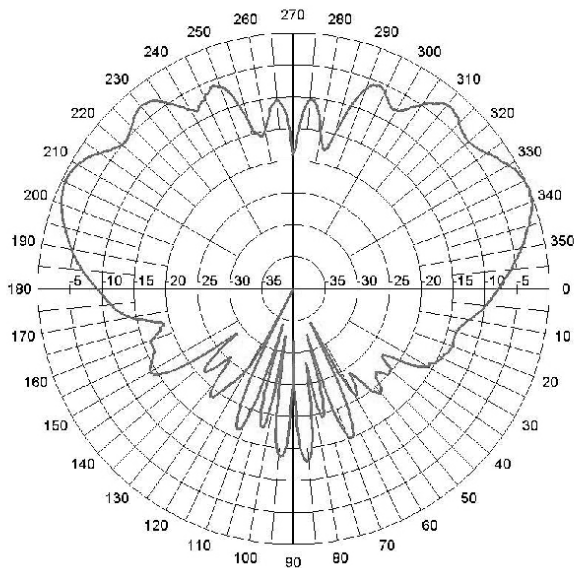
\*Standard. Please contact factory about other connector options.



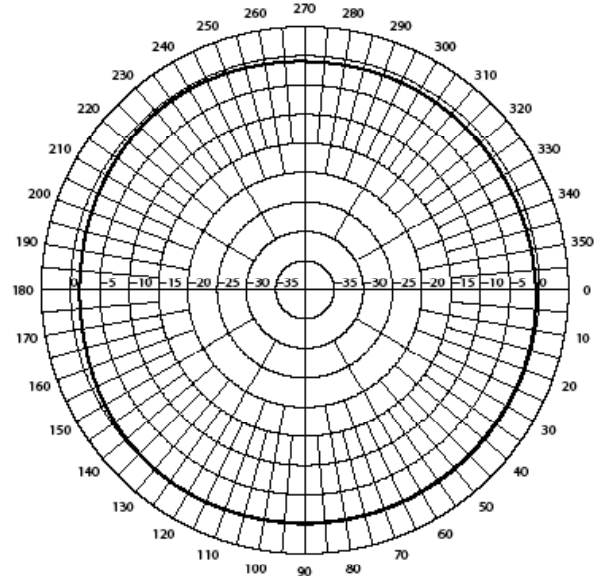
PCS Elevation Cut



AMPS Elevation Cut



ISM Elevation Cut



Azimuth Plane Radiation Pattern