

## WPANT30042-RA

### 3G / 4G Penta-band Log Periodic Antenna



#### Description / Application

This is a High Gain Penta-band Directional Pole / Wall mount antenna. It comes with a 1 foot long RG-58 cable and Type-N female connector. The antenna is at DC ground to ensure protection against lightning.

We can assist your engineers to optimize mounting positions for these antennas in your specific application and can further customize the antennas for your specific needs. Please contact [sales@worldproducts.com](mailto:sales@worldproducts.com) with your specific application requirements.

#### Electrical Properties

|                                                            |                                         |                                         |
|------------------------------------------------------------|-----------------------------------------|-----------------------------------------|
| <b>Operating Frequency</b>                                 | 806 – 960 MHz                           | 1710 – 2500 MHz                         |
| <b>Approximate Antenna Impedance [<math>\Omega</math>]</b> | 50 $\Omega$                             | 50 $\Omega$                             |
| <b>VSWR – Typical</b>                                      | < 2:1                                   | < 2:1                                   |
| <b>Peak Gain [dBi] (Typical)</b>                           | 8 dBi                                   | 9 dBi                                   |
| <b>Polarization</b>                                        | Vertical or Horizontal                  | Vertical or Horizontal                  |
| <b>Pattern</b>                                             | Directional (23 dB front-to-back ratio) | Directional (23 dB front-to-back ratio) |
| <b>Accepted Power [W] (Max)</b>                            | 50 Watts                                | 50 Watts                                |
| <b>Lightning Protection</b>                                | DC ground                               | DC ground                               |

#### Mechanical / Environmental Properties

|                                        |                                             |
|----------------------------------------|---------------------------------------------|
| <b>Antenna Dimensions</b>              | 11.8" X 8.27" X 2.6" (300mm X 210mm X 65mm) |
| <b>Antenna Color</b>                   | White                                       |
| <b>Cable</b>                           | 11.8" long RG-58                            |
| <b>Connector</b>                       | Type-N Female                               |
| <b>Antenna Radome</b>                  | ABS                                         |
| <b>Operating / Storage Temperature</b> | -40°C to +90°C                              |
| <b>Environmental</b>                   | Meets standards for UL 94V-0                |
| <b>Hazardous Materials</b>             | RoHS Compliant                              |

## Pictures of the Antenna

