



Pacific Wireless
 693 E Draper Heights Way Suite 210
 Draper, UT 84020
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PAWES24-14

DATA SHEET

Echo Series Antenna

2400 to 2483 MHz Operation

Features

- 14 dBi Antenna Gain
- Aesthetic design for high-end CPE installations
- Pole mount or surface mount
- Full tilt and rotation adjustments
- Vertical or Horizontal Polarization
- Type N Female Connector
- Optimized for 2.4GHz ISM Band
- Rugged, Lightweight and Waterproof



*Picture shown with standard pole mount bracket

Applications

- 2.4 GHz ISM Band Applications
- Point to Multi-point Systems
- Wireless Broadband Systems
- Wireless Internet Access
- Wireless Networks
- Building to building high speed links

Description

The Echo Series antenna system offered by Pacific Wireless is constructed of aluminum alloy with powder-coat painted finish. They come standard with an integral N Female connector and heavy duty U-bolt bracket. A cone mount bracket is also available for surface installations. The Echo Series antenna can be used in a wide variety of wireless systems. Its superior front to back performance minimizes external interference coming from behind the unit which makes it desirable for high density antenna installations or installations where the installer wants to minimize interference.

Specifications

| Parameter | Model | Min | Typ | Max | Units |
|---|------------|---------|-------|---------|------------|
| <i>Frequency Range</i> | PAWES24-14 | 2400 | | 2483 | MHz |
| <i>Input Return Loss (S₁₁)</i> | | | -14 | | dB |
| <i>VSWR</i> | | | 1.5:1 | | |
| <i>Impedance</i> | | | 50 | | OHM |
| <i>Input Power</i> | | | 50 | | W |
| <i>Pole Diameter (OD)</i> | | 1 25 | | 2 51 | inch mm |
| <i>Operating Temperature</i> | | -45 | | +70 | Deg C |

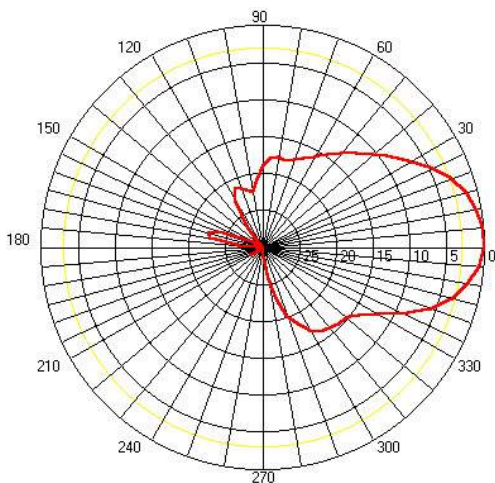
*Note: Pacific Wireless does not supply the mounting pole or coax cable.

Wind Loading

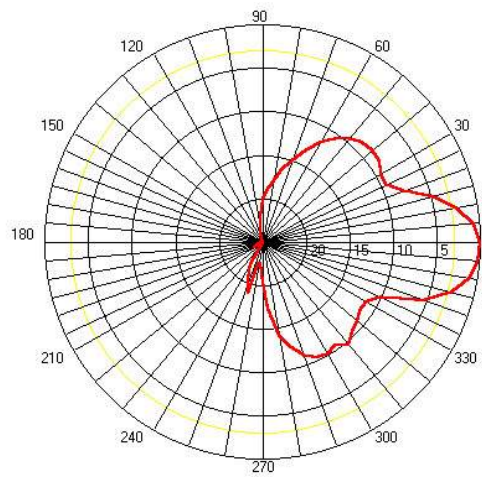
| | | |
|----------------|----------------------------------|------|
| ES24-14 | 100 MPH | 22 |
| | 125 MPH | 34.4 |
| | 100 MPH w/ 1/2" Radial Ice | 23 |

| 2400 - 2483 MHZ | ES24-14 |
|-----------------------------|----------------|
| Gain | 14dB |
| 3db Beam Angle | 26 deg |
| Front to Back | > 30dB |
| Rated Wind Velocity | 125mph |
| Weight | 3 Lbs (1.2Kg) |
| Dimension (Diameter) | 10.24" (260mm) |

Antenna Patterns at 2.4GHz



ES24-14 E Plane



ES24-14 H Plane

Notes:

- All shipments F.O.B. Bluffdale, UT 84065
- All antennas carry a 2 Year Warranty

System Ordering:

ES24-14 14dB Echo Series Antenna with pole mount

ES-CM Optional Cone Mount for surface mount applications (Sold Separately)



For further information contact:



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