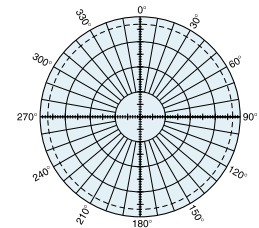


Kathrein's omnidirectional PCS/BRS antennas incorporate the quality design and attention to detail that have established our entire line of base station antennas as industry leaders. These antennas feature:

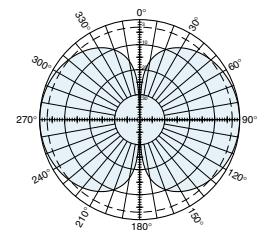
- Superior electrical performance, with low VSWR, wide bandwidth, flat frequency response, and extremely low intermodulation products.
- All metal parts of the antenna and the mounting kit are DC grounded (the inner conductor is not DC grounded).

**Specifications:**

|                         |  |
|-------------------------|--|
| Frequency range         | 1710–2700 MHz  |
| Gain                    | 2 dBi  |
| Impedance               | 50 ohms  |
| VSWR                    | < 1.8:1  |
| Intermodulation (2x20w) | IM3:< -150 dBc   |
| Polarization            | Vertical   |
| Maximum input power     | 50 watts (at 50°C)   |
| H-plane beamwidth       | Omni   |
| E-plane beamwidth       | 78°  |
| Connector               | N female   |
| Weight                  | 0.33 lb (150 g)  |
| Height                  | 4.55 inches (115 mm)   |
| Radome diameter         | 0.78 inches (20 mm)  |
| Mounting                | Mounts through a 0.63 inch (16 mm) hole to surfaces of 0.39 inch (10 mm) thick. Antenna may be inverted. |



H-plane  
Horizontal pattern – V-polarization



E-plane  
Vertical pattern – V-polarization

**Order Information:**

| Model     | Description              |
|-----------|--------------------------|
| 800 10431 | Antenna with N connector |



All specifications are subject to change without notice.  
The latest specifications are available at [www.kathrein-scala.com](http://www.kathrein-scala.com).