# Z2079 2.4 GHz Fiberglass Omnidirectional Antenna



## 2.4 GHz ISM Omnidirectional Base Station Antenna

The Z2079 wireless broadband omnidirectional antenna is designed to provide maximum performance and reliability under the toughest wather conditions. The antenna features a UV stable, vented radome that provides ultimate protection against the weather elements. The antenna includes an aluminum extruded bracket for mast mounting.

#### General Specifications:

Omnidirectional base station antenna

#### Radome Material:

UV resistant pultruded fiberglass

#### Polarization:

Vertical

#### Nominal Impedance:

50 Ohms

#### Mounting Base Diameter:

1.25 inches

#### Mounting Method:

Aluminum extruded mast mounting bracket

#### Termination:

Reverse polarity N female jack

#### Features and Benefits:

- UV stable, pultruded fiberglass radome withstands harsh weather conditions in outdoor installations.
- Vented system design provides reliable performance by protecting the electrical design against moisture or extreme temperatures.
- Thread relief on connector provides improved accessibility for taping reducing installation time and improving overall effectiveness.
- Internal 0-ring seal in the base of the antenna with integrated connector at the base. Assures a watertight seal to prevent water from migrating into the antenna connector.



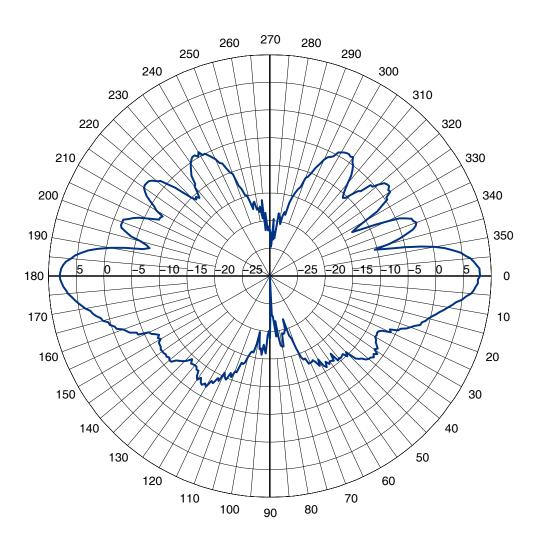
### Electrical Specifications

|         |                 |       | Vertical    |             |         |          |  |
|---------|-----------------|-------|-------------|-------------|---------|----------|--|
|         |                 |       | Bandwidth @ | Beamwidth   |         | Maximum  |  |
| Model # | Frequency Range | Gain  | 1.5:1 WSWR  | @ 1/2 Power | VSWR    | Power    |  |
| Z2079   | 2400-2483.5 MHz | 8 dBi | 100 MHz     | 13°         | < 1.5:1 | 25 Watts |  |

| AA               |    |      |      |     |    |     | c ·  | 4.0   |    |
|------------------|----|------|------|-----|----|-----|------|-------|----|
| $\Lambda\Lambda$ | മവ | hani | IC A | _ < | ne | ואנ | tic: | a FIO | no |
|                  |    |      |      |     |    |     |      |       |    |

|         |          | Equivalent          |                |                       |                  |                    |
|---------|----------|---------------------|----------------|-----------------------|------------------|--------------------|
|         | Wind     | Flat Plate          | Lateral Thrust | <b>Bending Moment</b> |                  |                    |
| Model # | Survival | Area                | @ Rated Wind   | @ Rated Wind          | Height           | Weight             |
| Z2079   | 125 mph  | .06 ft <sup>2</sup> | 5.2 lbs        | 4.4 ft-lbs            | 20.2" (513.1 mm) | 0.5 lbs (0.226 kg) |





**Z2079 Elevation Cut**