

C-Band MIMO Outdoor Panel Antenna (SC-650CBM)

Directional Panel Antenna

Overview

The SureCall C-band panel antenna is a directional outdoor antenna designed to capture outdoor signal when aimed in the direction of best signal.

This MIMO antenna transmits and receives 3500-4000 MHz frequencies.

- » 4.3-10 Female connector (50 Ω)
- » 19 dBi Max gain
- » C-band: 3500 - 4000 MHz
- » Includes mounting hardware
- » Directional antenna needs to be pointed towards nearest tower



Specifications

| | |
|------------------------------------|--|
| Frequency | 3500-4000 MHz |
| Max gain | 19 dBi |
| Polarization type | Vertical and Horizontal |
| Horizontal beamwidth | 15° |
| Vertical beamwidth | 15° |
| Front-to-back ratio@180±30° | ≥25dB |
| Cross-polarization ratio over HPBW | ≥15 |
| Isolation | ≥20 dB |
| Input impedance | 50 Ω |
| VSWR | ≤ 2 |
| Max power | 50W |
| Connector type | 4.3-10 Female |
| Mount type | Pole or Mast with 1.2-2 in diameter |
| Dimensions | 15 x 15 x 1.3 in |
| Weight | 4.1 lbs (Antenna) / 1.33 lbs (Bracket) |
| Radome material | UV+ABS |
| Ingress protection | IP66 |
| Mechanical tilt | -15° / +15° |
| Rated wind velocity | 55 m/s |
| Operating temp. | -40°F to +140°F |

Installation

1. Install U-Bolt on pole.
2. Slide pipe clamp over U-Bolt with the flat side facing away from the pipe.
3. Slide antenna bracket onto U-Bolt in desired location.
4. Install flat washer, split washer and nut, and hand tighten.

Note: Antenna may be installed on a variety of pipe angles. Ensure that the antenna is pointing in the direction of the closest cellular tower and is vertical with the drip hole at the bottom.

5. Connect antenna with RF cables that leads to your booster .

