

High-Gain Outdoor Mid-Band Panel Antenna (SC-558W)

Directional Panel Antenna

Overview

SureCall's outdoor mid-band antenna is a high-gain outside directional panel antenna that transmits and receives frequencies 1700-2700MHz and is designed to capture signal when facing the direction of the closest tower. It can be used to separate low and high bands if there is a need to point to different towers and/or help with near-far issues. The antenna includes mounting hardware for a pole/mast that is 1.2-2.5" in diameter and is made to last with the highest-quality components designed to withstand high winds and extreme weather conditions.

- » N-Female connector (50 Ω)
- » 15 dBi Max Gain
- » Frequency range: 1700-2700MHz
- » Includes hardware for pole mounting
- » Connects to booster with SC-400 cable (sold separately)



Specifications

Frequency	1700-2700 MHz
Max gain	15 dBi
Polarization type	Vertical
Beamwidth	H:30°±5° E:25°±5°
Front-to-back ratio@180±30°	≥23dB
Lightning Protection	DC Ground
Input impedance	50 Ω
VSWR	< 2
Max power	50W
Connector type	N-Female
Mount type	Pole with 1.2-2.5 inch diameter
Dimensions	12 x 10 x 3.5 in
Weight	2.9 lbs
Radome material	UV+ABS
Ingress protection	IP33
Operating humidity	5% to 95%
Operating temperature	-40°F to +140°F (-40°C to +60°C)

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.

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

Typical Pattern

