

5.8GHz Corner Reflector Antenna CRA5800



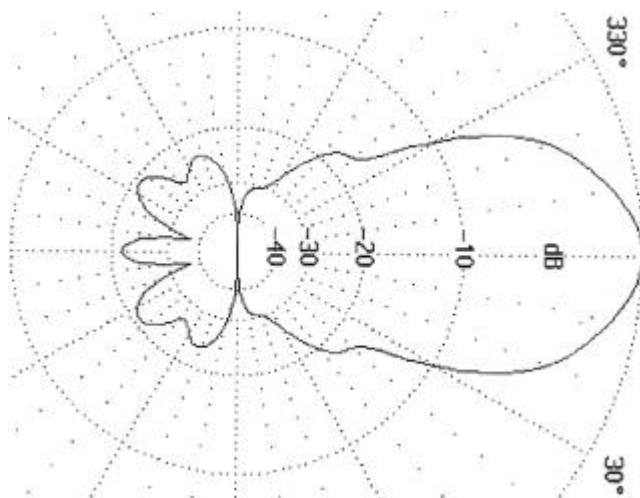
Creative Design Corp.

GENERAL

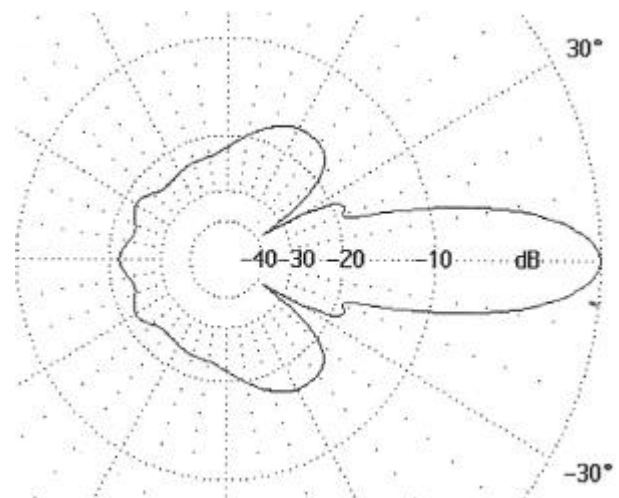
This CRA5800 is an antenna of corner reflector type offering an incomparable high gain for 5.8GHz band designed for wireless LAN and another high-end applications. The corner reflector type, as its unique and distinctive feature, presents a definite radiation pattern maintaining secure forward gain over the broad bandwidth that help to restrain the change of electrical performance of the antenna from such an affect like a snow fall on the antenna assuring a stable and reliable communication. With being provided with a board-shaped plate for its reflector couple with a trimmer straps laying out in both upper and lower side of this reflector, makes it possible to offer a high gain characteristic with maintaining a steady and an effective beam-width toward directional plain when vertical operation is made. Installation of this antenna is a pole mount type that elevation angle is tiltable ranging its elevation angle by ± 30 degree. Rugged and light weighted high tension aluminum materials are used for the main components of this antenna, and reflector is coated with gray-colored paint that does not forms a striking contrast against the sky and surrounding environment. Refer to the specification details, as well as radiation pattern and overview below.

SPECIFICATION

Type and Model Number	Corner Relector, CRA5800
Frequency	5700 ~ 5900MHz
Poralization	Vertical and Horizontal
Forward Gain	16.5dBi
F/B Ratio	Average 20dB
Beam Width	H-Plain : 17° E-Plain : 32°
VSWR	Less Than 1.5 : 1
Impedance (Connector)	50 Ω , Type -NJ-
Power Capability	50W CW
Size W·H·D/Main Antenna Unit	200×174×60
Mast Diameter	42~61 mm
Wind Survival Rate	45m/s
Weight	Approx. 1.2kg
Ambiance Temperature	-20°C ~ +50°C



Radiation Pattern, E-Plane. Ele/Vertical Polarization



Radiation Pattern, H-Plane. Direction/Vertical Polarization