



Large Corner Reflector



Mini Corner Reflector  
(also available in black)

Mobile Mark's high frequency Corner Reflector antennas are useful for many applications including surveillance work at WiFi 2.4 & 5 GHz. Its unique design features allow the antenna to overcome many of the problems normally associated with higher frequency systems.

A corner reflector antenna usually consists of a half-wave element, spaced approximately a quarterwave length in front of a reflector panel. The reflector panel serves to narrow both the horizontal and vertical pattern for increased gain and directivity. This antenna design is able to provide excellent gain performance without sacrificing bandwidth.

## Directional, Corner Reflector WiFi 2.4 & 5 GHz

- Available in 9 - 12 dBi gain
- Efficient Point to Point coverage
- Small aperture; minimizes wind loading
- Split balun feed provides superior bandwidth & gain performance

Directional antennas can also be useful for preventing cross system interference with similar devices. Front-to-Back ratio is a measure of the antenna's directivity; higher front-to-back ratio can improve system reliability.

The connector mechanism exits at the rear of the antenna, allowing easy installation.

### Model Numbers

Model	Gain	Frequency Range
SCR9-2400	9 dBi	2300 - 2600 MHz, WiFi
SCR12-2400	12 dBi	2300 - 2600 MHz, WiFi
SCR10-5250	10 dBi	5.15 - 5.35 GHz, WiFi
SCR12-5725	12 dBi	5.72 - 5.93 GHz, WiFi

### Specifications

<b>Frequency:</b>	See above	<b>Panel Size:</b>	
<b>Gain:</b>	See above	SCR9-2400	3" x 3" ea (76 mm x 76 mm)
<b>VSWR:</b>	2:1 max over band	SCR12-2400	7" x 7" (178mm x 178mm)
<b>Impedance:</b>	50 Ohm nominal	SCR12-5250	3" x 3" ea (76 mm x 76 mm)
<b>Maximum Power:</b>	100 Watts	SCR12-5725	3" x 3" ea (76 mm x 76 mm)
<b>Beamwidth:</b>		<b>Lightning Protection:</b>	DC grounded, external protection recommended
SCR9-2400	78° El, 60° Az	<b>Material:</b>	Powder-coated aluminum, ASA plastic radome
SCR12-2400	50° El, 36° Az	<b>Weight:</b>	
SCR10-5250	57° El, 30° Az	SCR9-2400, SCR12-5250,	
SCR12-5725	75° El, 26° Az	SCR12-5725	1 lbs (0.5 kg)
<b>Front-to-Back ratio:</b>	22 dB or better	SCR12-2400	2 lbs (1 kg)
<b>Max Wind Velocity:</b>	125+ mph (200 kph)	<b>Pole Mounting:</b>	Hardware included
<b>Operating Temp:</b>	-40° to +85° C	<b>Mounting Dimension:</b>	Mounts up to 2" (51 mm) diameter mast
<b>Aperture:</b>		<b>Connector:</b>	N Jack (Female), attached at rear of antenna
SCR9-2400	3" x 5.5" (76 mm x 140 mm)	<b>Shock &amp; Vibration:</b>	EN 300 019-2-4, IEC 60068
SCR12-2400	7" x 10.5" (178mm x 266mm)		
SCR10-5250	3" x 5.5" (76 mm x 140 mm)		
SCR12-5725	3" x 5.5" (76 mm x 140 mm)		

# SCR Series Antennas

Directional Corner Reflector

9 dBi, 2300 - 2600 MHz

These plots can be used  
for the following models:

**SCR9-2400**  
**SCR9-2400I**  
**SCR9-2400CT**  
**SCR9-2400BK**

