



Corner Reflector for
 11-12 dBi Models

Directional, Corner Reflector WiMAX 2.5 GHz

- 12 dBi model for WiMAX
- Split balun feed provides superior bandwidth & gain performance
- Rated for Shock & Vibration standards

Mobile Mark's high SCR Series Corner Reflectors are useful for network fill-in or CPE (Consumer Premise Equipment) for WiMAX at 2.5 GHz.

Corner Reflector Antennas offer excellent bandwidth, gain and match over the frequency range.

The Corner Reflector antennas feature efficient point-to-point signal transfer. The broad beamwidth (50° vertical, 36° horizontal) provides a comfortable range for alignment of the antenna with the rest of the wireless network.

This model has 100 watts of power handling capability, suitable for most backhaul applications.

These compact site antennas, with a front aperture of only 7" (177 mm) by 10.5" (267 mm), are easy to install. The female N connector exists from the back of the antenna for easy access. Mount hardware is provided to all for either pole or surface mount.

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

The SCR Series antennas are available in either a white (standard) or black radome.

Custom cable assemblies are available.

Model #	Gain	Frequency
SCR12-2600-WHT	12 dBi	2500-2700 MHz, WiMAX
<u>Color options available for above model</u> WHT-White or BLK-Black		
Please contact your sales representative for jumpers and connector selections		

Specifications			
Frequency:	2.5-2.7 GHz	Operating Temp:	-40° to +85° C
Gain:	12 dBi	Material:	Powder-coated aluminum, ASA plastic radome
VSWR:	2:1 max over band	Weight:	2 lbs (1 kg)
Impedance:	50 Ohm nominal	Pole Mounting:	Hardware included
Maximum Power:	100 Watts	Mounting Dimension:	Mounts up to 2" (5.1 cm) diameter mast
SCR12 Beamwidth:	50° El, 36° Az	Connector:	N Jack (Female), attached at rear of antenna
Front-to-Back ratio:	22 dB or better	Shock & Vibration:	EN 300 019-2-4, IEC 60068
SCR12 Aperture:	7" x 10.5" (178mm x 266mm)		
SCR12 Panel Size:	7" x 7" ea (178mm x 178mm)		
Lightning Protection:	DC grounded, external protection recommended		
Max Wind Velocity:	125+ mph (193 kph)		