



Corner Reflector for 11-14 dBi models



9 dBi Mini Corner Reflector
(also available in black)

Mobile Mark's high frequency Corner Reflector antennas are useful for many applications including surveillance work, 1.8/1.9 GHz GSM, 802.11 WiFi and other high frequency applications. Its unique design features allow the antenna to overcome many of the problems normally associated with higher frequency systems.

These corner reflectors utilize a half-wavelength element configuration. A unique balun fed design provides high efficiency radiation without skewing of the radiation pattern. The resultant performance provides excellent bandwidth, gain and match over the frequency range.

The connector mechanism exits at the rear of the antenna, allowing easy installation. The mounting bracket (supplied) allows both horizontal and vertical mounting of the antenna. Each reflector panel on the models for 11-14 dBi measure 7" x 7" (178 mm x 178 mm), providing very low aperture and wind loading. The 9 dBi Mini-Corner Reflector has 3" x 3" panels (76

Corner Reflector Antenna

For 1.8/1.9 GHz GSM, WiFi, & WiMAX

- 11-14 dBi models for 1.7 - 2.6 GHz
- 9 dBi Mini model for 2.4 GHz applications
- Small aperture; minimizes wind loading
- Split balun feed provides superior bandwidth & gain performance

mm x 76 mm), with a total front face of only 3" x 5.5" (76 mm x 140 mm).

The reflectors are made of aluminum, and weather protected with a tough white powder-coat finish. The radiating elements are weather protected within an ABS radome. This maintains integrity of the antenna without sacrificing looks or wind loading.

Model Numbers

Model	Gain	Frequency Range
SCR14-2400	14 dBi	2300 - 2600 MHz, WiFi
SCR9-2400	9 dBi	2300 - 2600 MHz, WiFi
SCR11-1800	11 dBi	1700 - 1900 MHz, DCS
SCR12-1900	12 dBi	1800 - 2000 MHz, PCS
SCR14-2600	14 dBi	2500 - 2700 MHz, WiMAX

Other special configurations are available upon request. Operation subject to bandwidth restrictions.

Specifications

Frequency:	See above	SCR11-SCR14 Aperture:	7" x 10.5" (178mm x 266mm)
Gain:	See above	SCR11-SCR14 Panel Size:	7" x 7" ea (178mm x 178mm)
Bandwidth@2:1 VSWR:	200 MHz or better	Max Wind Velocity:	125+ mph (200 kph)
Impedance:	50 Ohm nominal	Operating Temp:	-40° to +85° C
Maximum Power:	100 Watts	Material:	Powder-coated aluminum, ABS plastic radome
SCR9 Beamwidth:	75° El, 65° Az	Weight:	
SCR11 Beamwidth:	50° El, 39° Az	SCR9	1 lbs (0.5 kg)
SCR12 Beamwidth:	48° El, 38° Az	SCR11 - SCR14	2 lbs (1 kg)
SCR14 Beamwidth:	44° El, 35° Az	Pole Mounting:	hardware included
Front-to-Back ratio:	22 dB or better	Mounting Dimension:	Mounts up to 2" (51 mm) diameter mast
Lightning Protection:	DC grounded, external protection recommended	Connector:	N female, attached at rear of antenna
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Corner Reflector Antenna For WiFi, WiMAX, 1.8/1.9 GHz GSM

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- 9 dBi Mini model for 2.4 GHz & WiFi applications
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