

## Directional, Corner Reflector WiFi 2.4 & 5 GHz



**SCR12-2400**  
Large Corner Reflector



**SCR9-2400**  
Mini Corner Reflector

Mobile Mark's WiFi Corner Reflector antennas provide efficient point-to-point and point-to-multipoint coverage for remote monitoring, surveillance or mesh networks.

A SCR Series corner reflector antenna 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. Cable Assemblies are available from Mobile Mark.

- Available in 9-12 dBi gain; efficient Front to Back ratio
- Efficient Point-to-Point coverage
- Small aperture; minimizes wind loading
- Split balun feed provides superior bandwidth & gain performance
- Heavy duty construction

Model #	Gain	Frequency
SCR9-2400-WHT	9 dBi	2300-2600 MHz
SCR12-2400-WHT	12 dBi	2300-2600 MHz
SCR10-5250-WHT	10 dBi	5.15-5.35 GHz
SCR12-5725-WHT	12 dBi	5.72-5.93 GHz
SCR-2400/5500-WHT	9 dBi 12 dBi	Dualband 2.4-2.5 GHz & 4.9-6.0 GHz

Color options available for above models  
WHT-White or BLK-Black

### Specifications

Frequency:	See above
Gain:	See above
VSWR:	2:1 max over band
Impedance:	50 Ohm nominal
Max Wind Velocity:	125+ mph (193 kph)
Operating Temp:	-40° to +85° C
Material:	Powder-coated aluminum, ASA plastic radome

SCR9-2400, SCR10-5250, SCR12-5725, SCR-2400/5500	
Aperture	3" x 5.5" (76 mm x 140 mm)
Panel Size	3" x 3" ea (76 mm x 76 mm)
Weight	1 lb (0.5 kg)

SCR9-2400, SCR12-2400, SCR10-5250, SCR12-5725	
Maximum Power	100 Watts
Front-to-Back ratio	22 dB or better
Lightning Protection	DC grounded, external protection recommended

SCR-2400/5500	
Maximum Power	10 Watts
Front-to-Back ratio	30 dB or better
Lightning Protection	NA, external recommended

SCR12-2400	
Aperture	7" x 10.5" (178mm x 266mm)
Panel Size	7" x 7" (178mm x 178mm)
Weight	2.2 lbs (1 kg)

Beamwidth:	
SCR9-2400	78° El, 60° Az
SCR12-2400	50° El, 36° Az
SCR10-5250	57° El, 30° Az
SCR12-5725	75° El, 26° Az
SCR-2400/5500	
@2.4	45° El, 35° Az
@5.5	35° El, 25° Az

Pole Mounting:	Hardware included
Mounting Dimension:	Mounts up to 2" (51 mm) diameter mast SCR12-2400 mounts up to 2.5" (64mm) D pipe/mount

Connector:	N Jack (Female), attached at rear of antenna
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Shock & Vibration:	EN 300 019-2-4, IEC 60068
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