



SCR14 Directional Corner Reflector Series
(also available in black)

Directional Access Point for 5 GHz Systems

- 14 dBi Corner Reflector for point to point & multipoint applications
- Small aperture; minimizes wind loading
- Split balun feed provides superior bandwidth & gain performance
- Models available for popular 5.2 GHz, 5.8 GHz, and DSRC 5.9 GHz band

Mobile Mark's SCR Series high frequency antennas are designed for new microwave systems, including backhaul applications. These advanced designs accommodate the high-speed wideband performance.

The Corner Reflector Series use a driven halfwave element. A unique balun fed design provides high efficiency without skewing the radiation pattern. The result is excellent bandwidth, gain and match. The directional Corner Reflector design can often provide superior performance to other types of directional antenna such as yagi or parabolic.

One model (SCR14-5250) covers both of the lower bands (5.15 - 5.35 GHz). A different model (SCR14-5725) covers the 5.8 GHz upper band, as well as the new DSRC 5.9 GHz band.

The panels are weather protected aluminum with white powder-coat finish. The powder coat protection is extremely durable for all outdoor applications. Each reflector

wing is only 3" x 3" (76 mm x 76 mm), with an overall front face only 5.5" wide (140 mm). The radiating element is protected in a white ABS radome. The antennas are small and quite attractive for a variety of in-building and outdoor uses.

A female N connector exits at the back of the antenna spine. The antenna has an integral mounting bracket. The bracket and the supplied U-Bolt kit allow mounting to a standard pole. For special mounting configurations, please consult factory.

Model Numbers

Model	Description	Frequency
SCR14-5250	14 dBi Corner Reflector	5.15-5.35 GHz
SCR14-5725	14 dBi Corner Reflector	5.72-5.93 GHz

Special configurations are available upon request. Please consult factory for more information.

Specifications

Frequency/Gain:	See above
Bandwidth @2:1 SWR:	200 MHz or better
Impedance:	50 Ohm nominal
Max Power:	10 Watts
Beamwidth:	60° El, 30° Az
Front-to-Back ratio:	30 dB
Operating Temp:	-40° to +85° C
Lightning Protection:	External recommended
SCR Series Aperture:	3" x 5.5" (76 mm x 140 mm)
SCR Panel Size:	3" x 3" ea (76 mm x 76 mm)

Max Wind Velocity:	125 mph, (200 kph)
SCR Series Material:	Powder-coated aluminum, ABS radome
Weight:	<1 lbs (0.5 kg)
Mounting:	Pole mount, U-Bolt hardware kit included
Mounting Dimension:	Mounts up to 2" (51 mm) diameter mast
Connector:	N female, at back