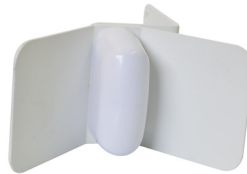




**SCR12-2400**  
Large Corner Reflector



**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.

## Directional, Corner Reflector WiFi 2.4 & 5 GHz

- 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 band-width & 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<br>12 dBi | Dualband 2.4-2.5 GHz &<br>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,<br>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<br>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" (178 mm x 266 mm) |
| Panel Size | 7" x 7" (178 mm x 178 mm)    |
| 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) out<br>side diameter (OD) mast<br>Exception: SCR12-2400 mounts<br>up to 2.5" (64 mm) OD mast |
| Connector:          | N Jack (Female), attached<br>at rear of antenna  |
| Shock & Vibration:  | EN 300 019-2-4, IEC 60068  |