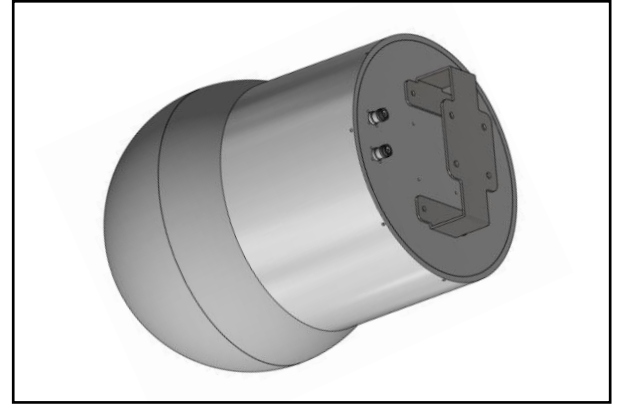


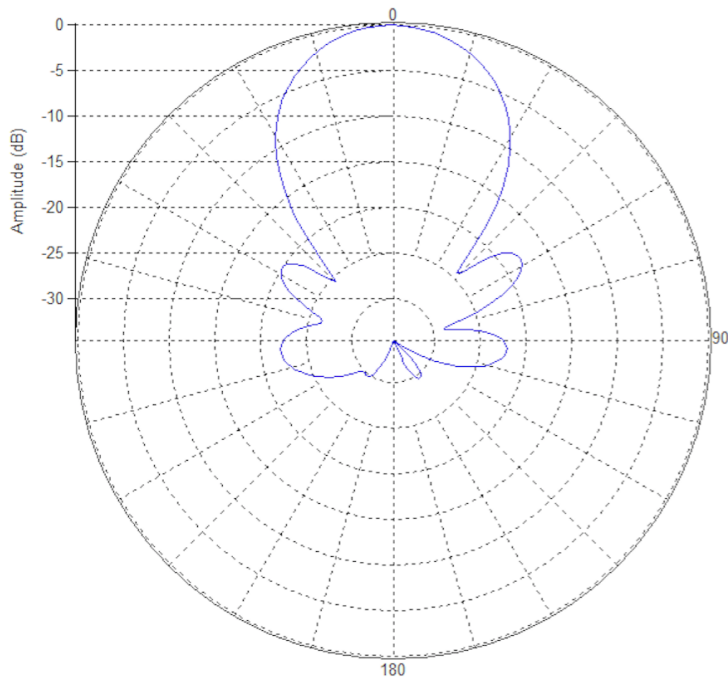
## MS-SB34-L

**Lens Technology Enabled™ Base-Station Antenna perfect for stadium applications, utilizes a patented spherical lens design with 1 isolated low-frequency (698-960MHz) cross-polarized beam. Each Beam has 2 cross-polarized ports for supporting 2X2 MIMO and low side-lobes.**

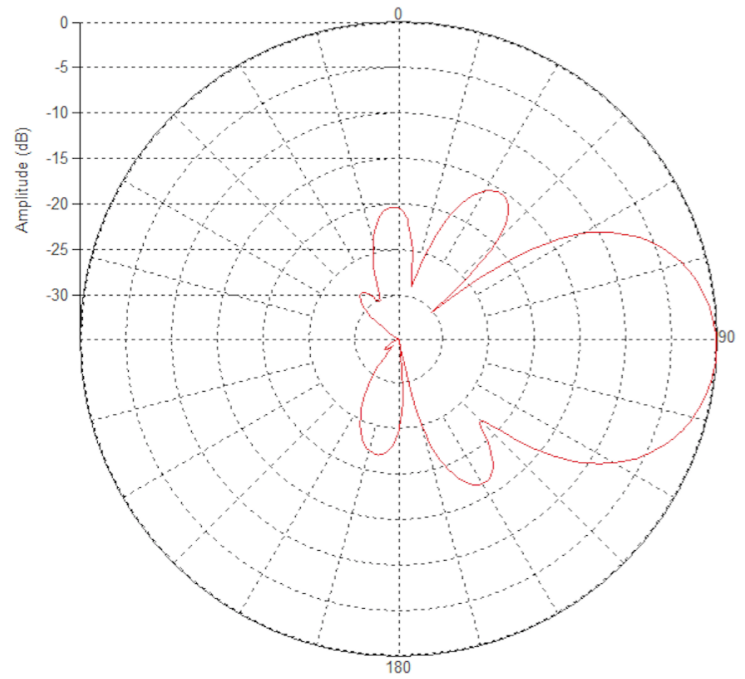


### PATTERN RESULTS:

**Low-Band Horizontal Pattern (800MHz)**



**Low-Band Vertical Pattern (800MHz)**



## TECHNICAL SPECIFICATIONS

|                                       |                           |
|---------------------------------------|---------------------------|
| Frequency                             | 698-960 MHz               |
| Gain                                  | 14.2dBi                   |
| VSWR                                  | <1.5:1                    |
| Polarization                          | Dual Slant $\pm 45^\circ$ |
| Horizontal Coverage                   | 60°                       |
| Horizontal Beamwidth (3dB)            | 34°                       |
| Vertical Beamwidth (3dB)              | 34°                       |
| Total Number of Beams                 | 1                         |
| Number of Ports per Beam              | 2                         |
| Number of Ports Total                 | 2                         |
| First Sidelobe level                  | <-18dB                    |
| Front to Back Ratio                   | >28dB                     |
| Isolation Port to Port - Polarization | >28dB                     |
| Power Rating                          | 250W per port             |
| Intermodulation                       | <-153dBc                  |
| Impedance                             | 50 ohm                    |
| Connector Quantity and Type           | 2 x 4.3-10 female         |

## MECHANICAL DATA

|                        |                                      |
|------------------------|--------------------------------------|
| Dimensions (H x W x D) | 45 x 45 x 66 cm<br>17 x 17 x 25 inch |
| Antenna Weight         | 6kg<br>13 lbs                        |
| Radome Material        | Polycarbonate                        |
| Mounting               | TBD                                  |

## ENVIRONMENTAL RATINGS

|             |                |
|-------------|----------------|
| Humidity    | 95% RH @ +30°C |
| Temperature | -40°C to +70°C |
| Wind load   | TBD            |

## CONNECTOR LAYOUT:

