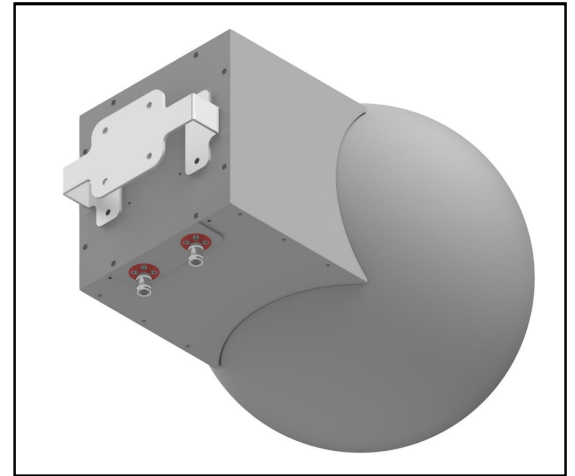


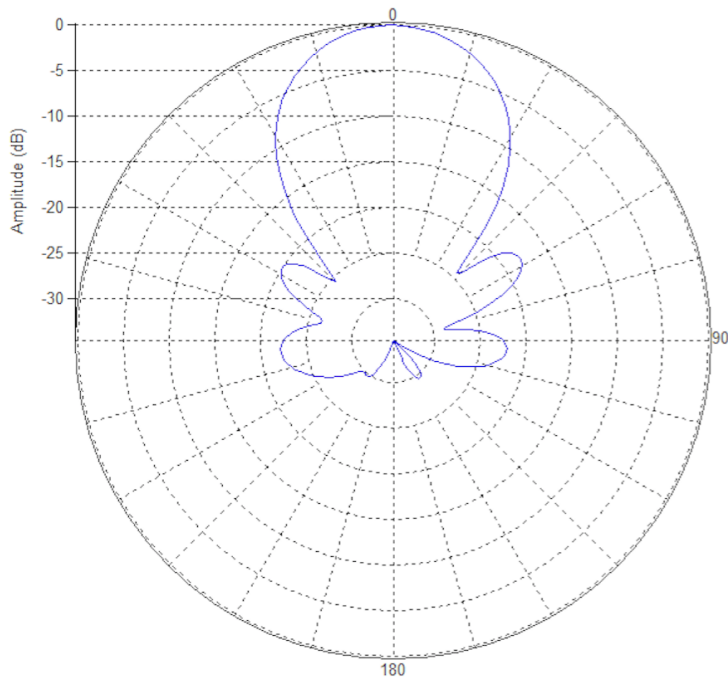
MS-SB34-L

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.

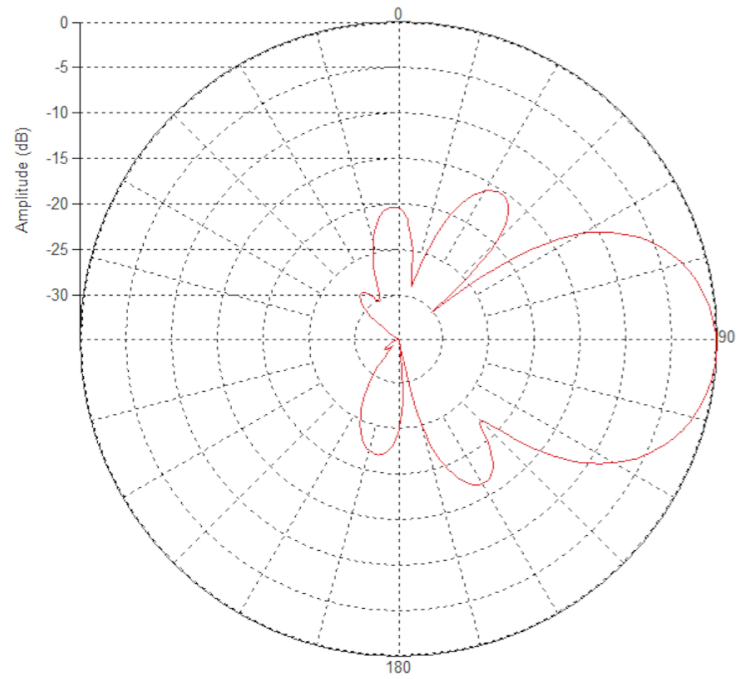


PATTERN RESULTS:

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 65 cm 17.7 x 17.7 x 25.5 inch
Antenna Weight	6.6 kg 14.5 lbs
Radome Material	Polycarbonate
Mounting	TBD

ENVIRONMENTAL RATINGS

Humidity	95% RH @ +30°C
Temperature	-40°C to +70°C
Wind load @ 150 km/hr	N/lbf Frontal: 79/17.8 Lateral: 180.3/40.5

CONNECTOR LAYOUT:

