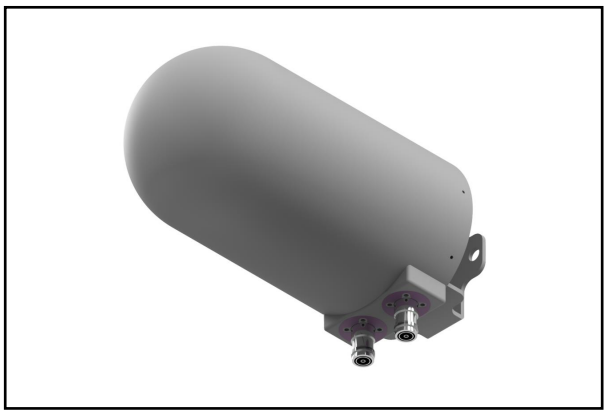
MATSING®

LENS TECHNOLOGY ENABLED

MS-SB23-F

Lens Technology Enabled™ Base-Station Antenna perfect for stadium applications, utilizes a patented spherical lens design with 1 isolated F-Band Frequency (3300-4200MHz) cross-polarized beam. Beam has 2 cross-polarized ports for supporting 2X2 MIMO and low side-lobe levels.



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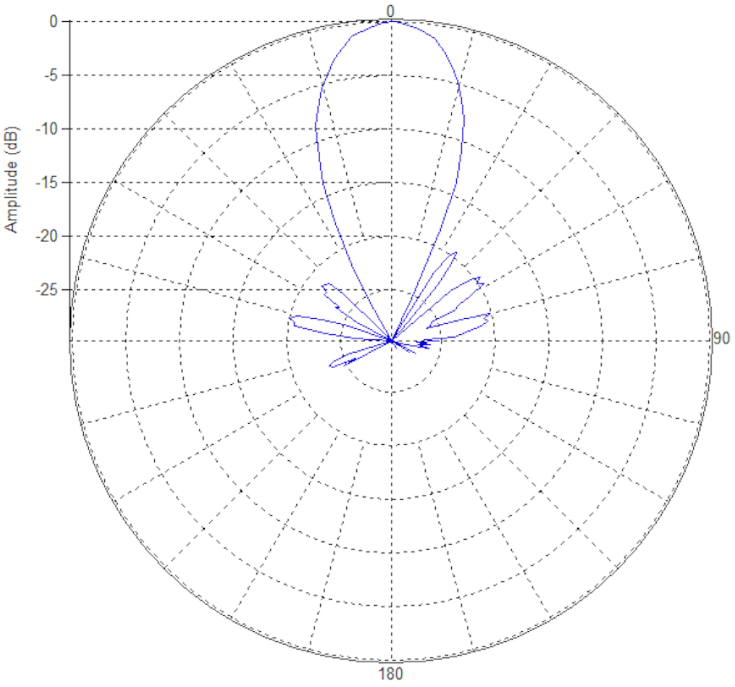
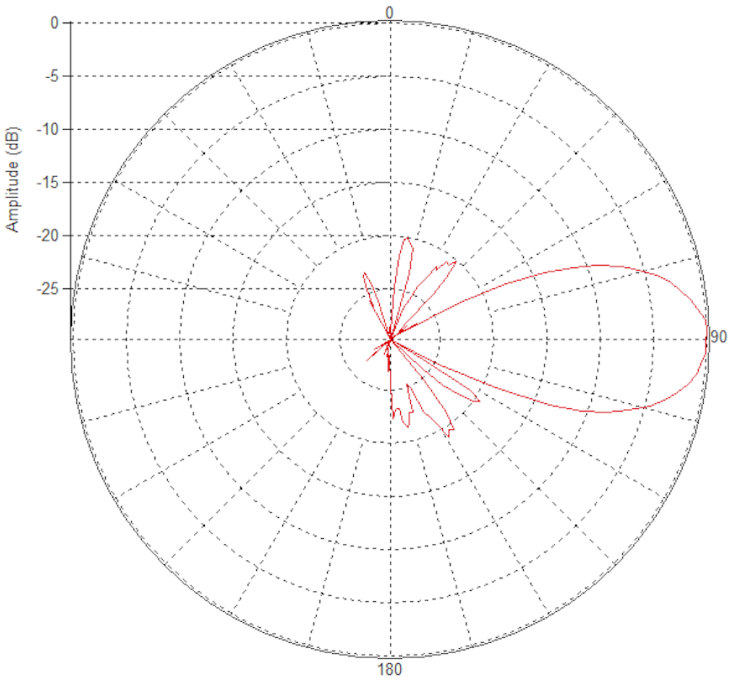
PATTERN RESULTS:

Horizontal Pattern (3.5GHz)



Vertical Pattern (3.5GHz)



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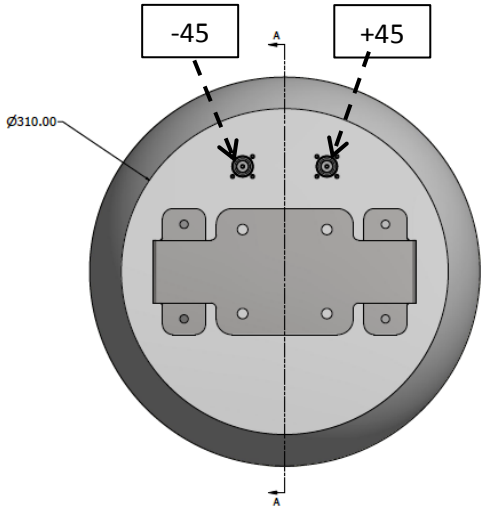
TECHNICAL SPECIFICATIONS	
Frequency	3300 – 4200 MHz
Gain	17dBi
VSWR	<1.5:1
Polarization	Dual Slant ±45°
Horizontal Coverage	40°
Horizontal Beamwidth (3dB)	23°
Vertical Beamwidth (3dB)	23°
Total Number of Beams	1
Number of Ports per Beam	2
First Sidelobe level	<-20dB
Front to Back Ratio	>28dB
Isolation Port to Port - Polarization	>28dB
Power Rating	150W 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)	15.7 x 15.7 x 33.7 cm 6.2 x 6.2 x 13.3 inch
Antenna Weight	2.86 kg 6.3 lbs
Radome Material	Polycarbonate
Mounting	TBD

ENVIRONMENTAL RATINGS	
Humidity	95% RH @ +30°C
Temperature	-40°C to +70°C
Wind load @ 160 km/hr	N/lbf Frontal: 11.2/2.5 Lateral: 32.8/7.4

CONNECTOR LAYOUT:



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