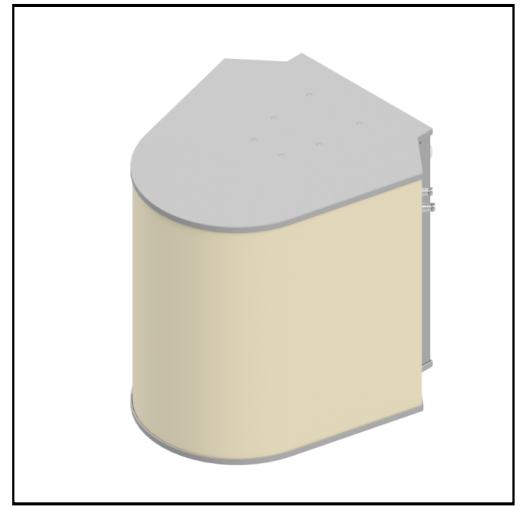


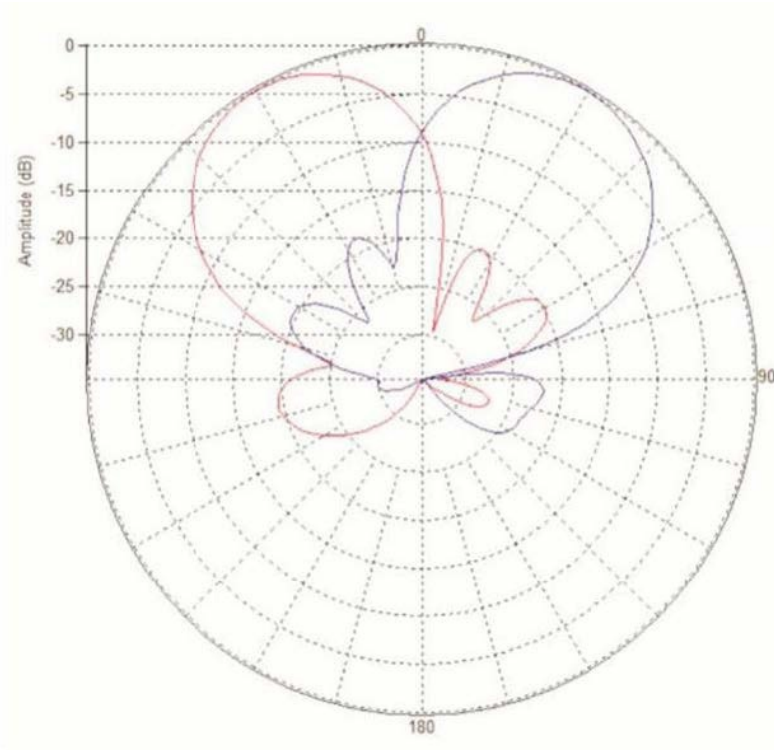
MS-MBA-2-L2

Lens Technology Enabled™ Multi-Beam Base-Station Antenna perfect for 6 sector LTE cell site deployments, utilizes a patented spherical lens design with 2 isolated low-frequency (698-960MHz) cross-polarized beams. Each beam has 2 cross-polarized ports for supporting 2X2 MIMO. Tilt is adjustable from 0 to 40° for each beam, high tilt provides null at horizon.

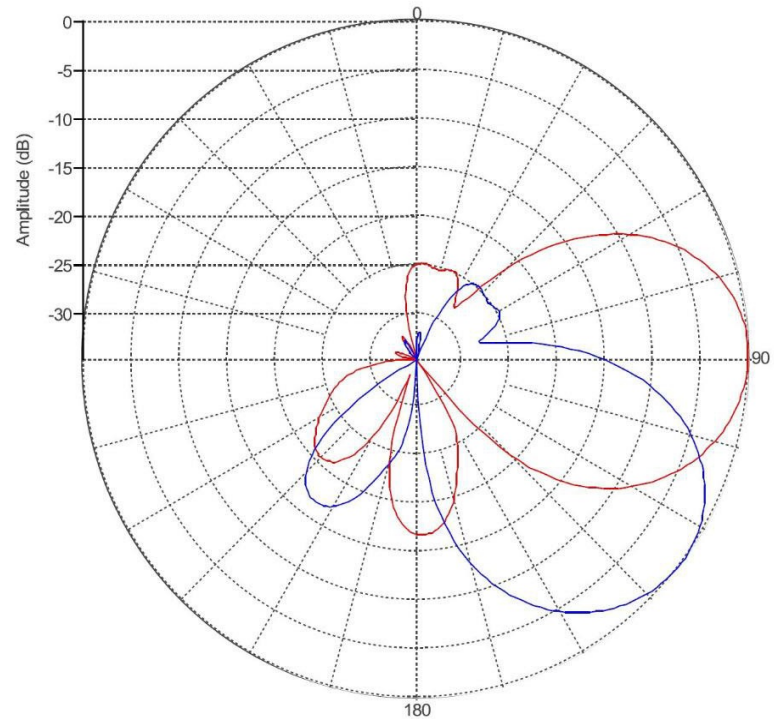


PATTERN RESULTS:

Low-Band Horizontal Pattern (698-960 MHz)



Vertical pattern at 0° tilt and 40° tilt (698-960MHz)



TECHNICAL SPECIFICATIONS

Frequency	698 – 960 MHz
Gain	13.5dBi
VSWR	<1.5:1
Polarization	Dual Slant $\pm 45^\circ$
Horizontal Coverage	120°
Horizontal Beamwidth (3dB)	34°
Horizontal Beamwidth (10dB)	60°
Vertical Beamwidth (3dB)	34°
Vertical Beamwidth (10dB)	60°
Beam Cross-over	10dB typical
Total Number of Beams	2
Number of Ports per Beam	2
Number of Ports Total	4
Tilt Per Cross-Pol Remote Electrical Tilt (ASIG 2.0)	0° to 40°
First Sidelobe level	<-15dB
Front to Back Ratio	>28dB
Isolation Port to Port - Polarization	>28dB
Isolation Port to Port - Beam	>26dB
Power Rating	200W per port
Intermodulation	<-153dBc
Impedance	50 ohm
Connector Quantity and Type	4 x 4.3-10 female

MECHANICAL DATA

Dimensions (H x W x D)	63.7 X 61.2 X 71.8 cm 25.1 X 24.1 X 28.3 inch
Antenna Weight	24.3kg/53.6lbs [w/o Bracket] 26.3kg/58lbs [w/Bracket]
Radome Material	Fiber Glass
Mounting	Standard position pipe mount Compatible pipe diameter: 6.1 – 11.4 cm 2.4 – 4.5 inch

ENVIRONMENTAL RATINGS

Humidity	95% RH @ +30°C
Temperature	-40°C to +70°C
Wind Load@ 150Km / hr	N/lbf Lateral: 410/92

CONNECTOR LAYOUT:

