



MS-MBA-2-L2

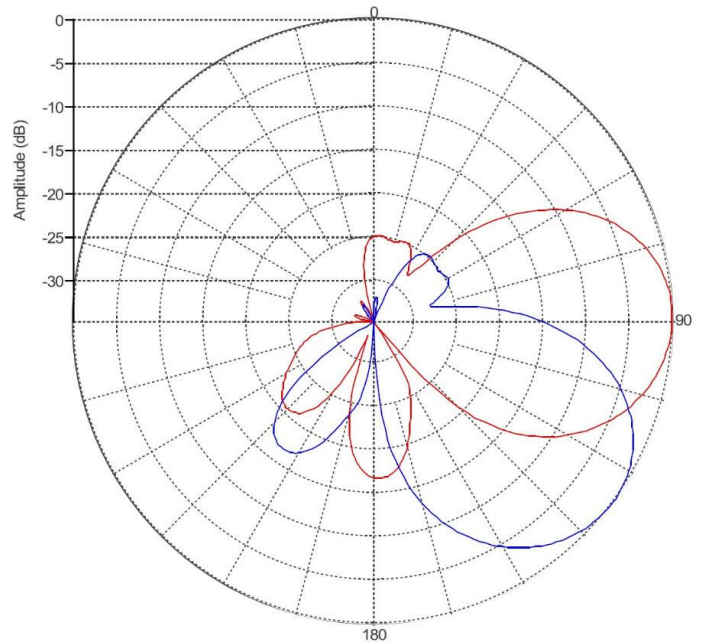
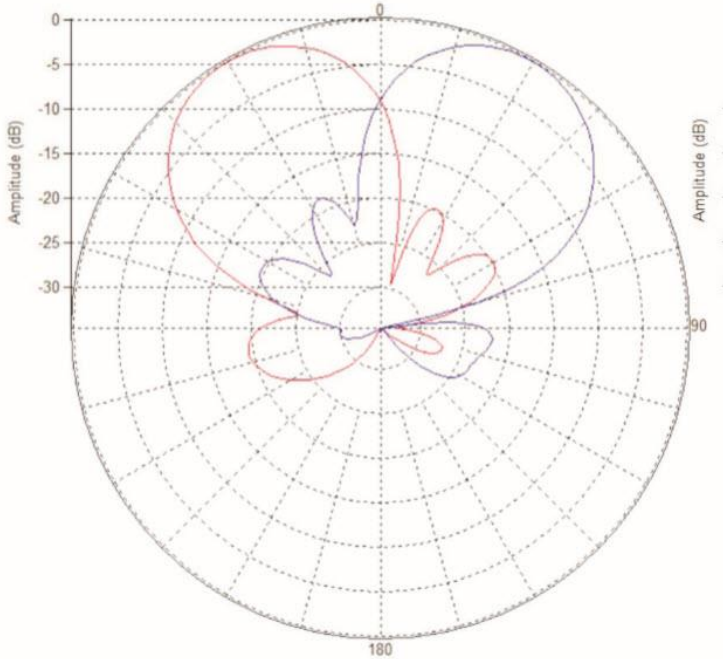
Lens Technology Enabled™ Multi-Beam Base-Station Antenna perfect for 6 sector LTE cell site deployments, utilizes a patented spherical lens design with 2 isolated low-frequency (698-960MHz) cross-polarized beams. Each beam has 2 cross-polarized ports for supporting 2X2 MIMO. Tilt is adjustable from 0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



PATTERN RESULTS:

Low-Band Horizontal Pattern (698-960MHz)

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





TECHNICAL SPECIFICATIONS	
Frequency	698-960MHz
Gain	13.5dBi
VSWR	<1.5:1
Polarization	Dual Slant ±45
Horizontal Coverage	120°
Horizontal Beamwidth (10dB) Level	60°
Horizontal Beamwidth (3dB) Level	34°
Vertical Beamwidth (10dB) Level	60°
Vertical Beamwidth (3dB) Level	34°
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	0° to 40°
Remote Electrical Tilt (ASIG 2.0)	
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)	64 x 61 x 64 cm 25 x 24 x 25 inch
Antenna Weight	26 kg 57 lbs
Radome Material	FiberGlass
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 (Lateral)	410N @ 150Km / hr

CONNECTOR LAYOUT

