

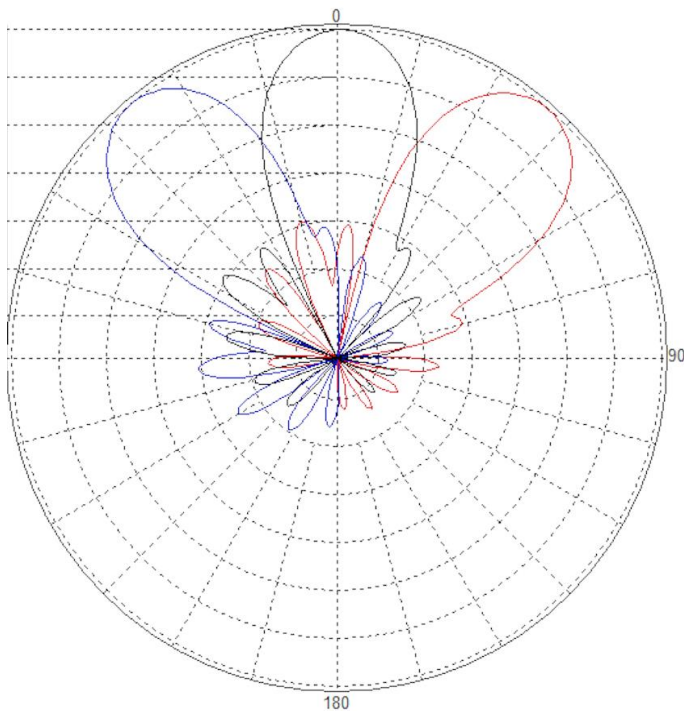
MS-MBA-2

Lens Technology Enabled™ Multi-Beam Base-Station Antenna perfect for 3 to 9 sector LTE cell site deployments, utilizes a patented spherical lens design with 3 isolated high-frequency (1710-2690MHz) cross-polarized beams. Each beam has 2 cross-polarized ports for supporting 2X2 MIMO. Tilt is adjustable from 0-30° for each beam. High tilt provides null at horizon.

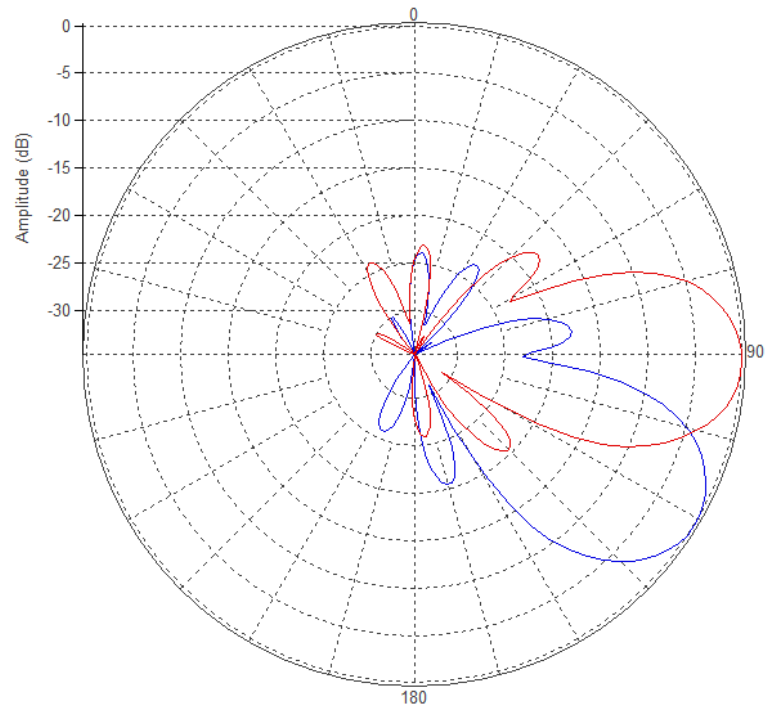


PATTERN RESULTS:

Horizontal Pattern (1.80GHz)



Vertical pattern 0° tilt and 30° tilt (1.80GHz)





TECHNICAL SPECIFICATIONS	
Frequency	1710-2690 MHz
Gain	17.8dBi
VSWR	<1.5:1
Polarization	Dual Slant ± 45
Horizontal Coverage	120°
Horizontal Beamwidth (10dB)	40°
Horizontal Beamwidth (3dB)	23°
Vertical Beamwidth (10dB)	40°
Vertical Beamwidth (3dB)	23°
Beam Cross-over	10dB typical
Total Number of Beams	3
Number of Ports per Beam	2
Number of Ports Total	6
Tilt Per Cross-Pol	0° to 30°
First Sidelobe Level	<-16dB
Front to Back Ratio	>28dB
Isolation Port to Port -Polarization	>28dB
Isolation Port to Port – Beam	>28dB
Power Rating	200W per port
Intermodulation	<-153dBc
Impedance	50 ohm
Connector Quantity and Type	6 x 4.3-10 female

MECHANICAL DATA	
Dimensions (H x W x D)	18.5 x 24 x 26 inch 47 x 61 x 66 cm
Dimensions (H x W x D) w / brackets:	21 x 24.5 x 24 inch 53 x 62 x 60 cm
Antenna Weight	22 kg 49lbs
Radome Material	Fiberglass
Mounting	2 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)	323N @ 150km/hr 73lbf @150km/hr

Connector/Beam Layout

