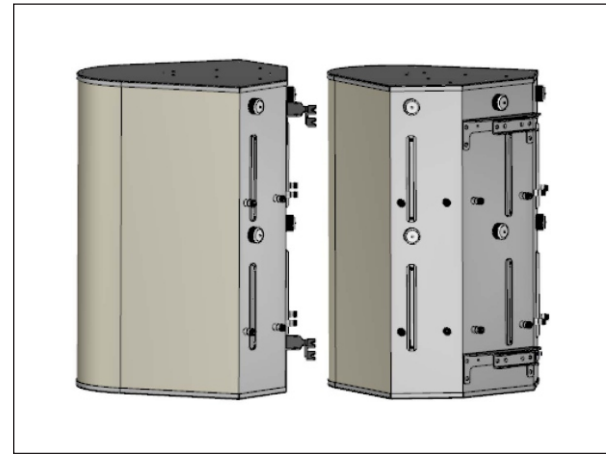


## MS-MBA-3-H4

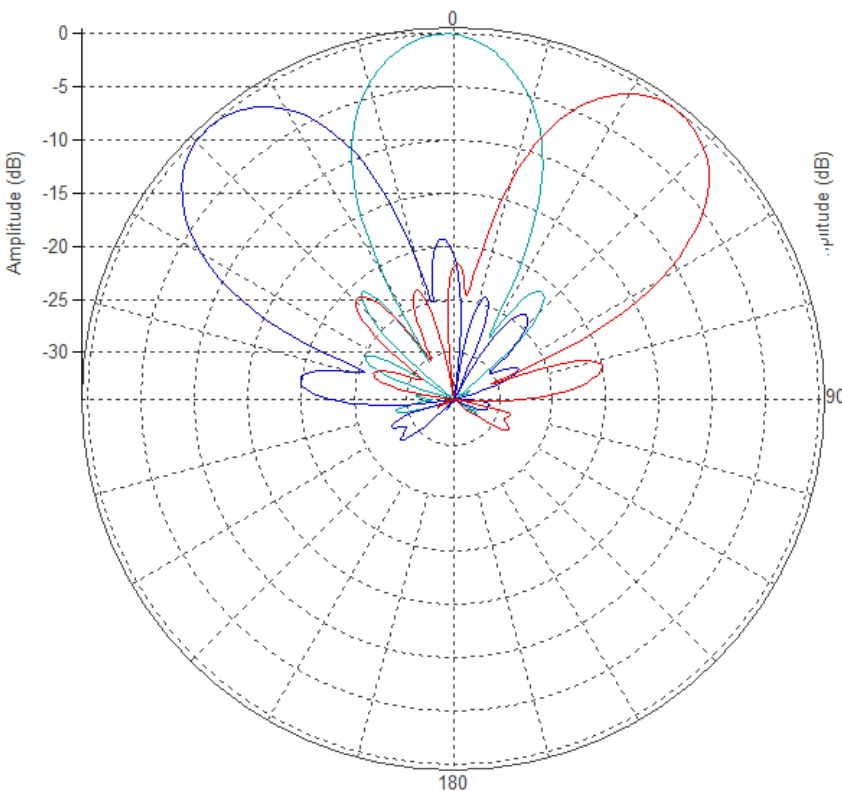
### Multi-beam Base-Station Antenna (MBA)

Lens Technology Enabled™ Multi-Beam Base-Station Antenna Perfect for 6 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 4 ports, for two independent antennas, or 4X4 MIMO. There are two independent tilt settings per beam (0-30° tilt for each pair of cross-polarized elements).

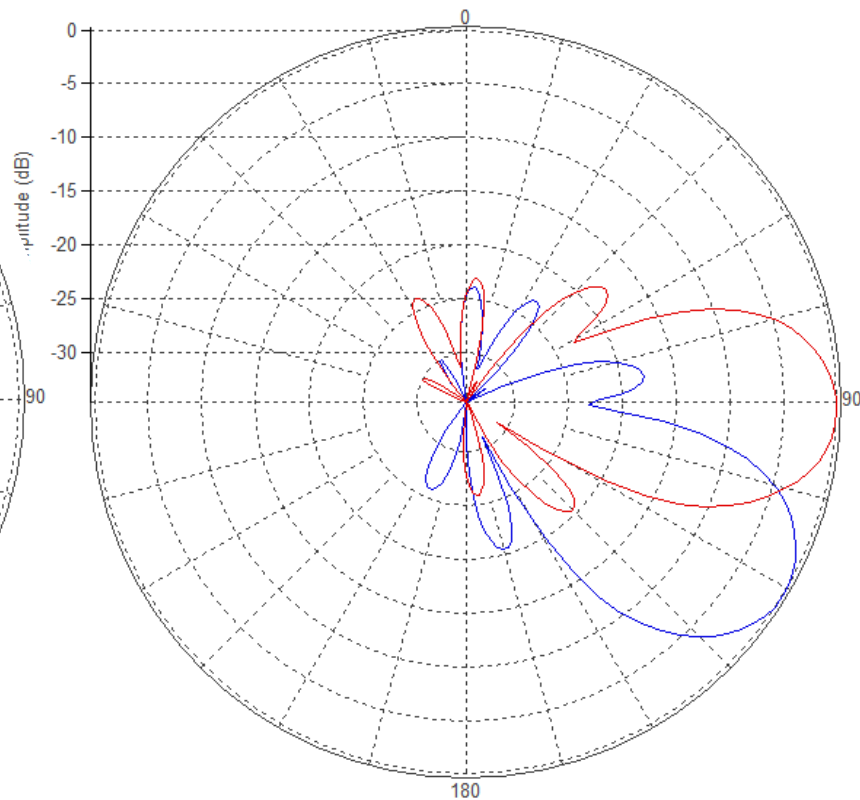


#### PATTERN RESULTS:

High-Band Horizontal Pattern(1.80GHz)



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



TECHNICAL SPECIFICATIONS	
Frequency	1710-2690 MHz
Gain	17.5dBi
VSWR	<1.5:1
Polarization	Dual Slant ±45°
Horizontal Coverage	120°
Horizontal Beamwidth (10dB level)	40°
Horizontal Beamwidth (3dB level)	22°
Vertical Beamwidth (10dB level)	40°
Vertical Beamwidth (3dB level)	22°
Beam Cross-over	10dB typical
Total Number of Beams	3
Number of Ports per Beam	4
Number of Ports Total	12
Tilt Per Cross-Pol (Two adjustments per beam) Remote Electrical Tilt (AISG 2.0)	0° to 30°
First Sidelobe Level	<-16dB
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	50ohm
Connector Quantity and Type	12 4.3-10 female

MECHANICAL DATA	
Dimensions (H x W x D)	90 x 61 x 63 cm 35 x 24 x 26 inch
Antenna Weight	32kg/70lbs
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 @ 150km/h	652N - Lateral

## CONNECTOR/BEAM LAYOUT

