

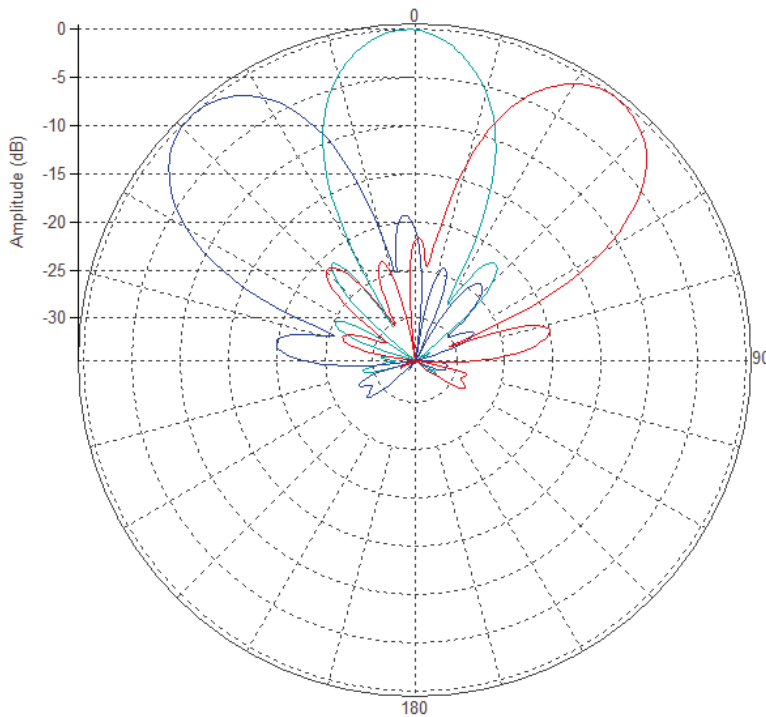
## MS-MBA-3-H8A2

**Lens Technology Enabled™ Multi-Beam Base-Station Antenna perfect for 6 to 9 sector LTE cell site deployments for best SINR results . Utilizes a patented spherical lens design with 3 isolated high-frequency (1695 – 2690MHz ) dual-polarized beams . Each beam is made of four independent antennas and has 8 ports . There is independent tilt settings per beam 0-15°.**

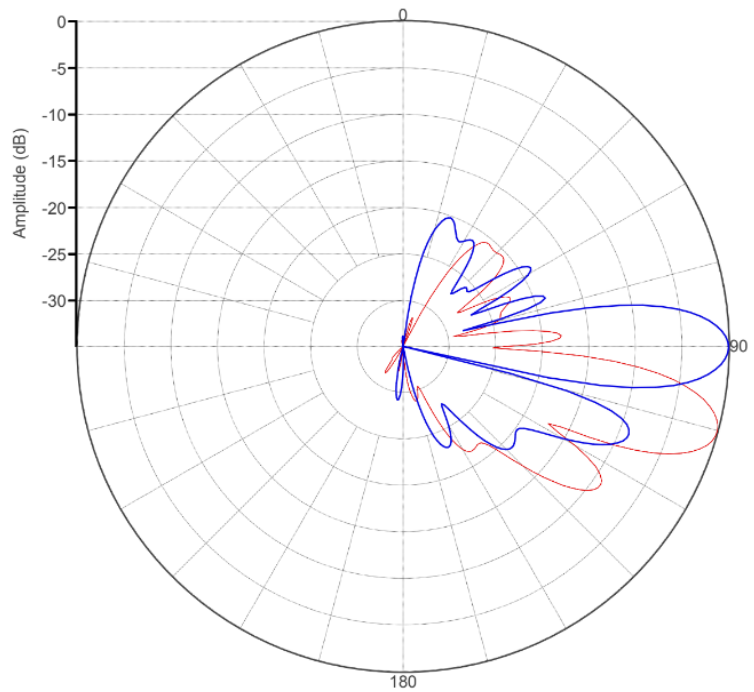


### PATTERN RESULTS:

**Horizontal Pattern (1.80GHz)**



**at tilt 0-15° Vertical Pattern (1.80GHz)**



### TECHNICAL SPECIFICATIONS

Frequency	1695-2690 MHz
Gain	18.5dBi
VSWR	<1.5:1
Polarization	Dual Slant ±45°
Horizontal Coverage	120°
Horizontal Beamwidth (10dB level)	40°
Horizontal Beamwidth (3dB level)	23°
Vertical Beamwidth (10dB level)	20°
Vertical Beamwidth (3dB level)	12°
Beam Cross-over	10dB typical
Total Number of Beams	3
Number of Ports per Beam	8
Number of Ports Total	24
RET Per Beam	0° to 15°
Upper Sidelobe Level	<-16dB
Azimuth 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	50 ohm
Connector Quantity and Type	24 x 4.3-10 female

### MECHANICAL DATA

Dimensions (H x W x D)	241.8 x 61.7 x 68.3 cm 95.2 x 24.3 x 26.9 inch
Antenna Weight	82.0 kg 181.0 lbs
Radome Material	Fiber Glass
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	N/lf Frontal: 1046/235.2 Lateral: 1331/299.2 Rear: 1227/275.9

### CONNECTOR LAYOUT:

