

MS-MBA-3-H8A2

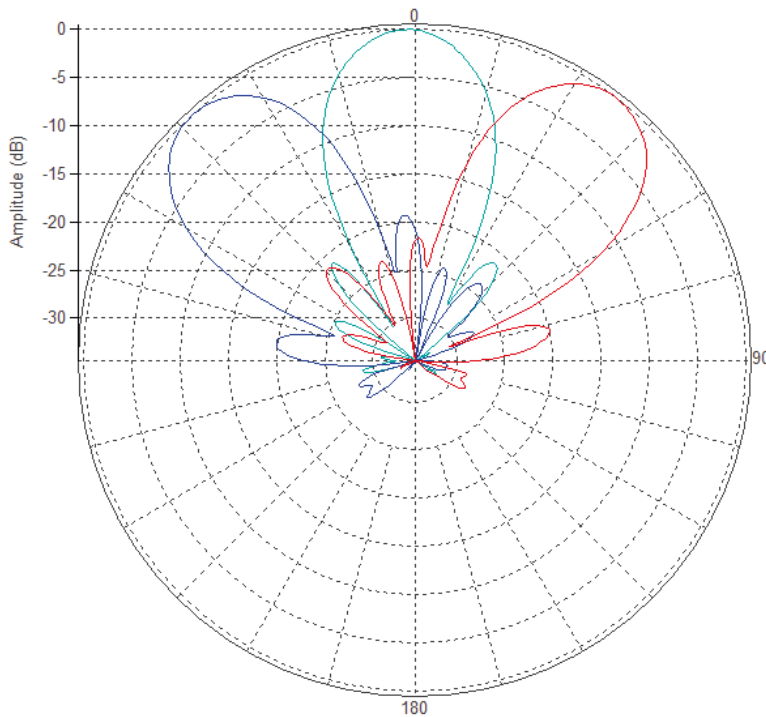
Lens Technology Enabled™ Multi-Beam Spherical Array Base-Station Antenna;

**3 High-frequency (1695 - 2690MHz) dual-polarized beams.
Each beam has 8 port to support 8x8 MIMO.
Independent RET available for each beam from 0°-15°.**

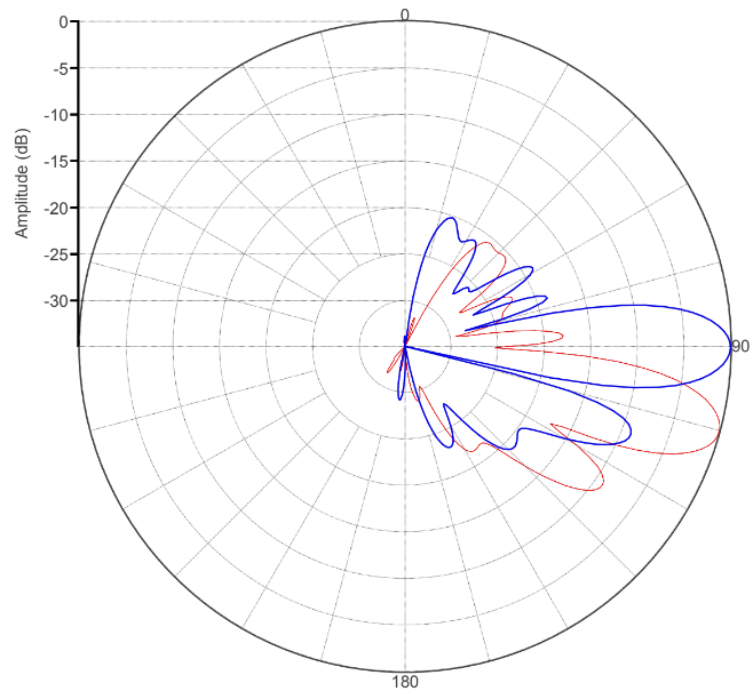


PATTERN RESULTS:

Horizontal Pattern (1.80GHz)



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



TECHNICAL SPECIFICATIONS

Frequency	1695-2690 MHz
Gain	18.5dBi
VSWR	<1.5:1
Polarization	Dual Slant $\pm 45^\circ$
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	74.3kg/165.8lbs [w/o Bracket] 75.9kg/167.3lbs [w/Bracket]
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/lbf Frontal: 1046/235.2 Lateral: 1331/299.2 Rear: 1227/275.9

CONNECTOR LAYOUT:

