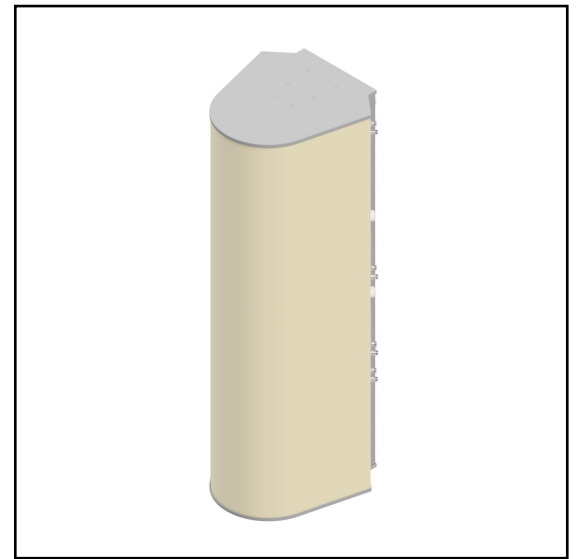


MS-MBA-6-H4

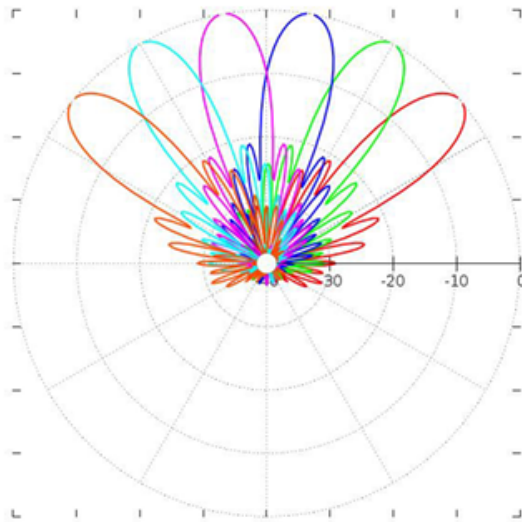
Multi-beam Base-Station Antenna (MBA)

- 4x4 MIMO 6-beam antenna, 24 ports, 4 ports per beam, 1695-269MHz
- Perfect for high-capacity applications: 18 sector cell sites, stadiums/venues/special events
- Internal RET 0-15°, independent for each beam
- Patented lens technology allows high stable gain and stable beamwidth for all beams, frequencies, and tilts
- Best-in-market horizontal coverage, port-to-port isolation, beam pointing error, and wind load

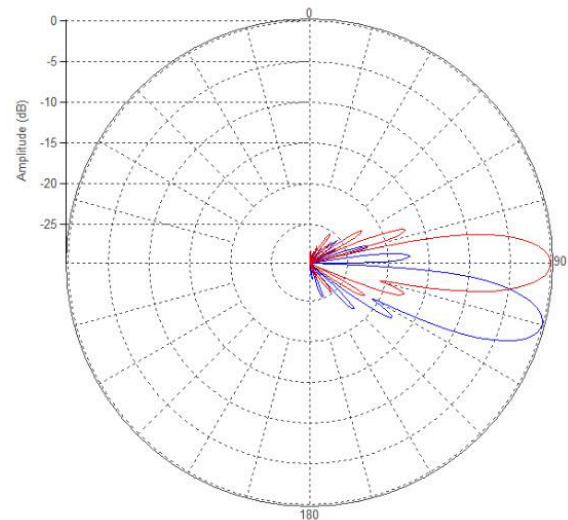
PATTERN RESULTS:



Horizontal Pattern (1.80GHz)



Vertical pattern 0° tilt and 15° tilt (1.80GHz)



TECHNICAL SPECIFICATIONS

Frequency	1695-2690 MHz
Gain	22.5±1dBi
VSWR	<1.5:1
Polarization	Dual Slant ±45°
Horizontal Coverage	120°
Horizontal Beamwidth (10dB level)	20°
Horizontal Beamwidth (3dB level)	12°
Vertical Beamwidth (10dB level)	22°
Vertical Beamwidth (3dB level)	13°
Beam Cross-over	10dB typical
Total Number of Beams	6
Number of Ports per Beam	4
Number of Ports Total	24
RET	0° to 15°
Sidelobe Level	-16dB
Front to Back Ratio at 180°	>30dB
Isolation Port to Port, intra Beam	>28dB
Isolation Port to Port, inter Beam	>28dB
Power Rating	200W per port
PM, 3rd order, 2x20W	<-153dBc
Impedance	50 ohm
Connector Quantity and Type	24 x 4.3-10 female

MECHANICAL DATA

Dimensions (H x W x D)	127 x 94 x 108.4 cm 49.9 x 36.9 x 42.7 inch
Antenna Weight	76.9kg /169.5lbs
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/Ibf Frontal: 909/204 Lateral: 1054/237

CONNECTOR LAYOUT:

