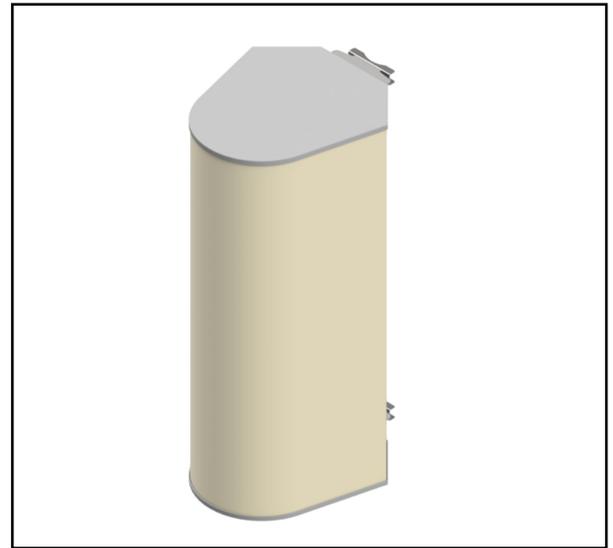


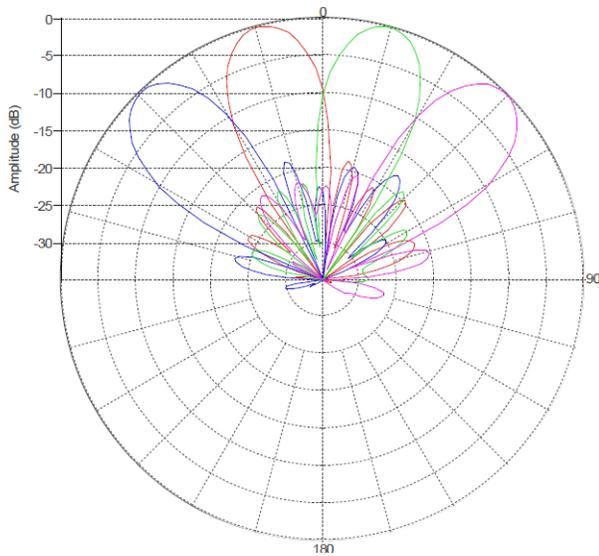
## MS-MBC-4-C4-6

**Lens Technology Enabled™ Multi-Beam Base-Station Antenna perfect for multi-sector cell site deployments, utilizes a patented cylindrical lens design with 4 isolated C-Band (3700– 4200 MHz) cross-polarized beams. Each beam has four ports to support 4x4 MIMO. RET (Smart Bias Tee & AISG 2.0) with 2°-10° for each beam.**

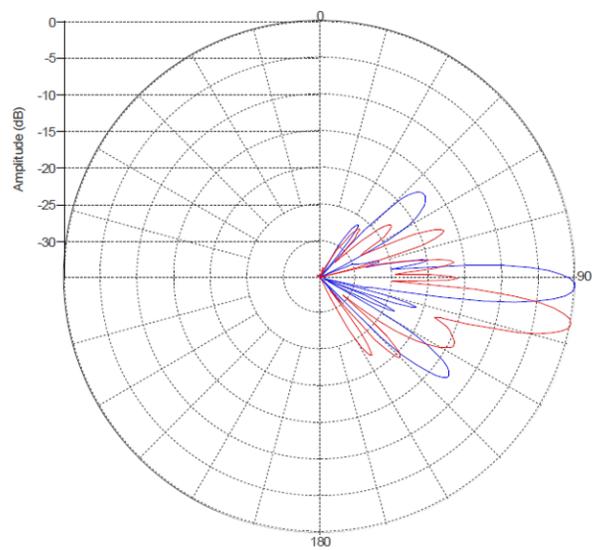


### PATTERN RESULTS:

**Horizontal Pattern (3.7GHz)**



**Vertical Pattern at 2° and 10° (3.7GHz)**



### TECHNICAL SPECIFICATIONS

Frequency	3700 – 4200 MHz
Gain	22dBi
VSWR	<1.5:1
Polarization	Dual Slant ±45°
Horizontal Coverage	120°
Horizontal Beamwidth (10dB level)	30°
Horizontal Beamwidth (3dB level)	18°
Vertical Beamwidth (3dB level)	6.5°
Beam Cross-over	8dB typical
Total Number of Beams	4
Number of Ports per Beam	4
Number of Ports Total	16
RET (AISG & SBT)	2°-10°
Upper Side Lobe Suppression	16dB
Azimuth Sidelobe Level	-18dB
Front to Back Ratio	28dB
Isolation Port to Port - Polarization	28dB
Isolation Port to Port - Beam	28dB
Power Rating	150W per port
Intermodulation	<-153dBc
Impedance	50 ohm
Connector Quantity and Type	16 x 4.3-10 female

### MECHANICAL DATA

Dimensions (H x W x D)	145.8 x 40.6 x 37.6 cm 57.4 x 16 x 14.8 inch
Antenna Weight	28 kg 61.7 lbs
Radome Material	ABS
Mounting	Standard 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 @ 150 km/hr	N/lf Frontal: 432.7/97.3 Lateral: 586/132 Rear : 500/112

### CONNECTOR LAYOUT:

