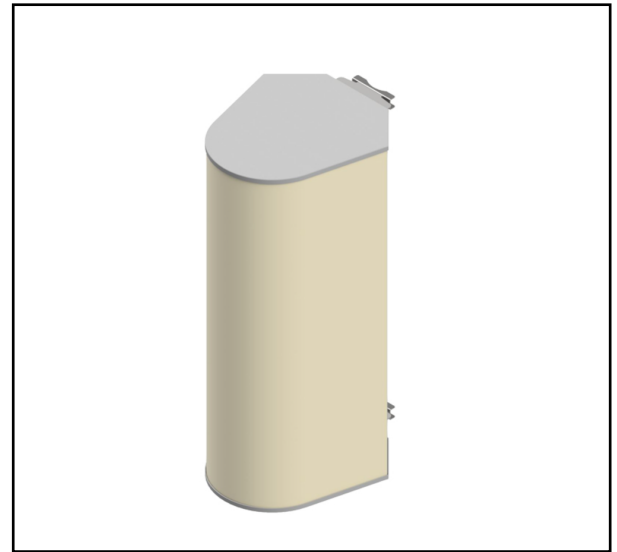


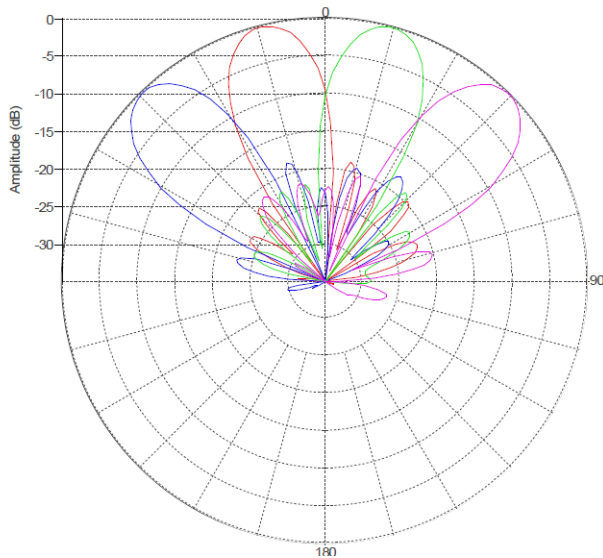
MS-MBC-4-F4-6

Multi-Beam Cylindrical Base Station Lens Antenna;
Four isolated F-Band (3300-4200MHz) cross-polarized beams.
Each beam has 4 ports per beam to support 4x4 MIMO.
Independent RET available per beam 2°-10°.

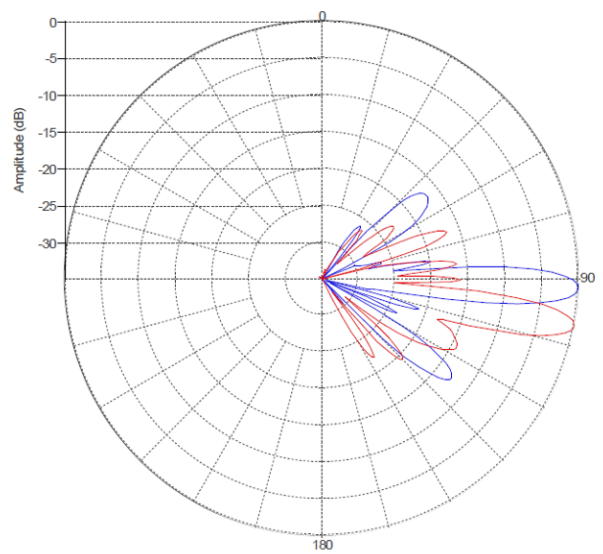


PATTERN RESULTS:

Horizontal Pattern (3.7GHz)



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



TECHNICAL SPECIFICATIONS

Frequency	3300 – 4200 MHz
Gain	22dBi
VSWR	<1.5:1
Polarization	Dual Slant $\pm 45^\circ$
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
Tilt Per Beam Remote Electrical Tilt (AISG 2.0)	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)	141.0 x 40.8 x 37.7 cm 55.5 x 16.1 x 14.9 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/lbf Frontal: 432.7/97.3 Lateral: 586/132 Rear : 500/112

CONNECTOR LAYOUT:

