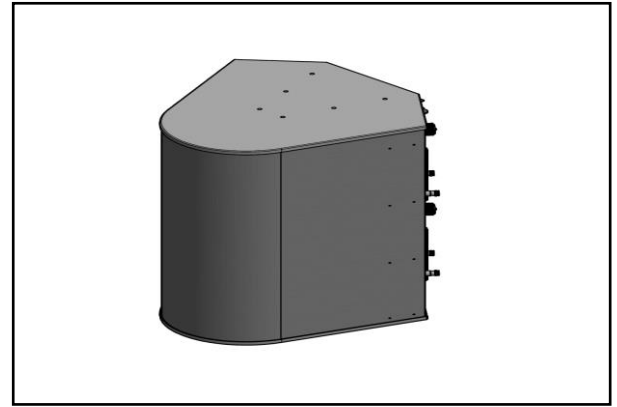


MS-MBA-5-F2

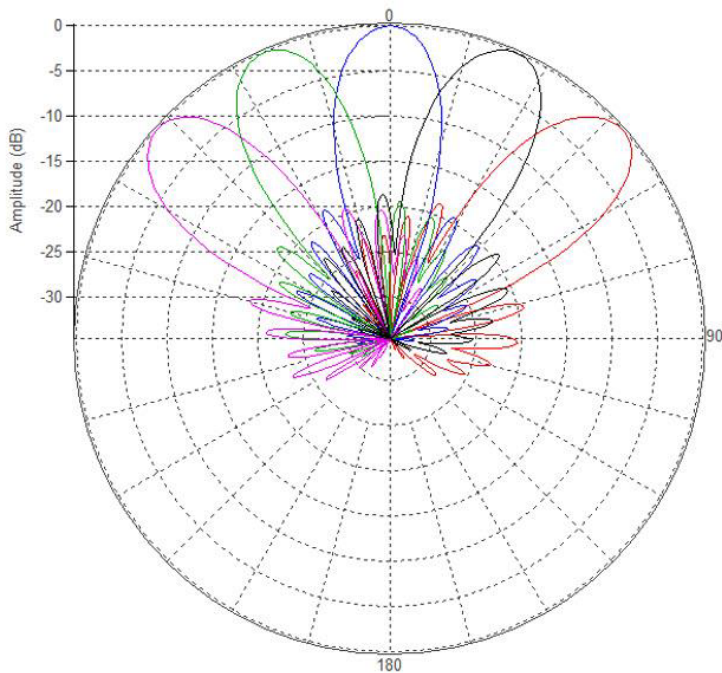
Lens Technology Enabled™ Multi-Beam Base-Station Antenna perfect utilizes a patented lens design with 5 isolated F Band (3300 - 4200MHz) cross-polarized beams. Each beam has 2 cross-polarized ports for supporting 2X2 MIMO.

Tilt is adjustable from 0° to 20° for each beam.

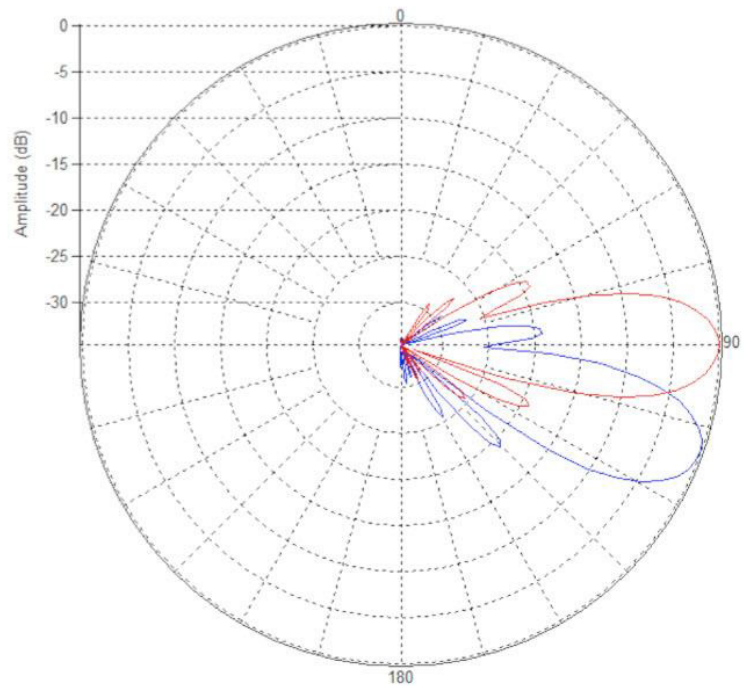


PATTERN RESULTS:

F-Band Horizontal Pattern (3.5GHz)



F-Band Vertical Pattern at 0° and 20° Tilt (3.5GHz)



TECHNICAL SPECIFICATIONS

Frequency	3300 MHz – 4200 MHz
Gain	20dBi
Return Loss	> 15dB
VSWR	<1.5:1
Polarization	Dual Slant $\pm 45^\circ$
Horizontal Coverage	120°
Horizontal Beamwidth (10dB level)	27°
Horizontal Beamwidth (3dB level)	15°
Vertical Beamwidth (10dB level)	27°
Vertical Beamwidth (3dB level)	15°
Beam Cross-over	6-8dB typical
Total Number of Beams	5
Number of Ports per Beam	2
Number of Ports Total	10
Tilt Per Cross-Pol	0° to 20°
First 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	10 x 4.3-10 female

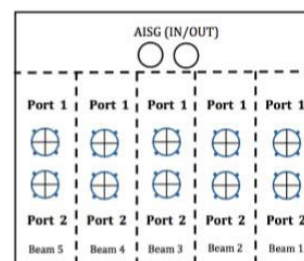
MECHANICAL DATA

Dimensions (H x W x D)	53 x 61 x 64 cm 21 x 24 x 25 inch
Antenna Weight	16 kg 35 lbs
Radome Material	Fibre Glass
Mounting	Standard 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 (Lateral) @ 150Km / hr	60 lbf / 267N

CONNECTOR LAYOUT:



BEAM LAYOUT:

