

MS-MBA-3-LAA2

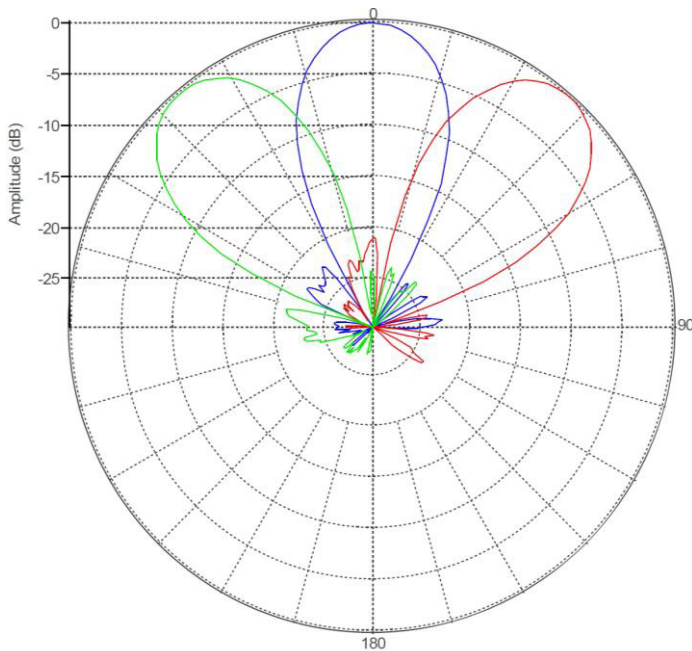
Lens Technology Enabled™ Multi-Beam Base-Station Antenna perfect for six to nine sector LTE cell site deployments, utilizes a patented spherical lens design with 3 isolated LAA-frequency (5000 - 6000MHz) cross-polarized beams. Each beam has 2 ports, or 2X2 MIMO.

Tilt is adjustable from 0°-30° for each beam. (Remote Electrical Tilt as Option)

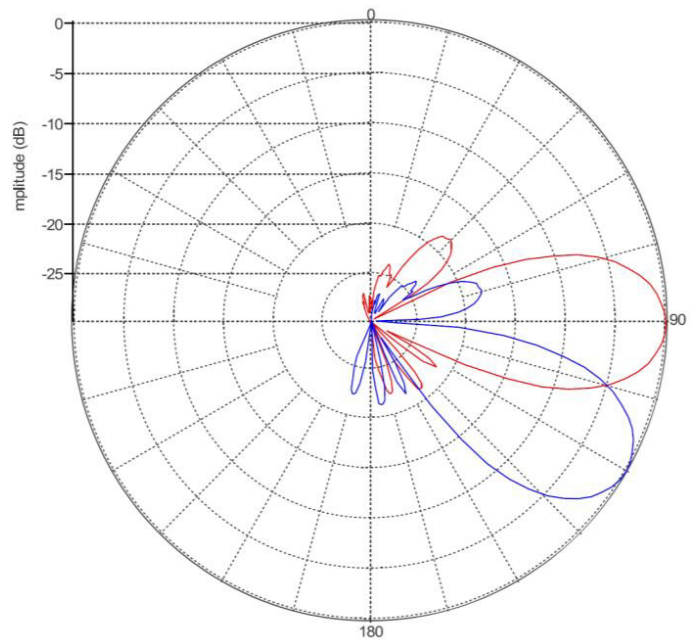


PATTERN RESULTS:

Horizontal Beam Pattern (5.5GHz)



Vertical Pattern at 0° and 30° Tilt (5.5GHz)



TECHNICAL SPECIFICATIONS PER BEAM

Frequency	5000 MHz – 6000 MHz
Gain	6dBi
VSWR	<1.5:1
Polarization	Dual Slant $\pm 45^\circ$
Horizontal Coverage	120°
Horizontal Beamwidth (3dB level)	25°
Horizontal Beamwidth (10dB level)	44°
Vertical Beamwidth (3dB level)	25°
Vertical Beamwidth (10dB level)	44°
Beam Cross-over	7-9 dB typical
Total Number of Beams	3
Number of Ports per Beam	2
Number of Ports Total	6
Tilt Per Cross-Pol	0° - 30°
First Sidelobe level	< -16dB
Front to Back Ratio	>28dB
Isolation Port to Port - Polarization	>28dB
Isolation Port to Port - Beam	>28dB
Power Rating	20W per port
Intermodulation	<-153dBc
Impedance	50 ohm
Connector Quantity and Type	6 x 4.3-10 Female

MECHANICAL DATA

Dimensions (H x W x D)	26 x 23 x 24 cm 10.2 x 9.1 x 9.4 in
Antenna Weight	3kg 6.6lb
Radome Material	Polycarbonate
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 (Lateral)	TBD

CONNECTOR/BEAM LAYOUT:

