

MS-MBA-3.3-C4A3-H8

Lens Technology Enabled™ Multi-Beam Base-Station Antenna perfect for 3, 6 or 9 C-Band (3700-4200 MHz) & H-Band (1695-2690 MHz) LTE cell site deployment for best CINR results.

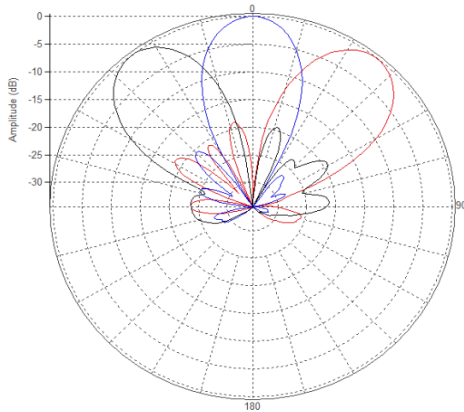
Utilizes a patented spherical lens design with 3 isolated C-Band frequency (3700-4200 MHz) cross-polarized beams and 3 isolated H-Band frequency (1695-2690MHz) cross-polarized beams. Each C-Band frequency beam has 4 ports and each High-Band frequency beam has 8 ports.

There are two independent tilt settings per beam (0-15° for C-Band and 0-30° for H-Band) for each pair of cross-polarized elements. Standard RET capability.

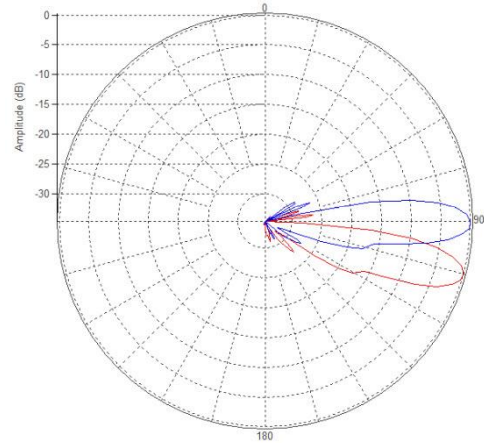


PATTERN RESULTS:

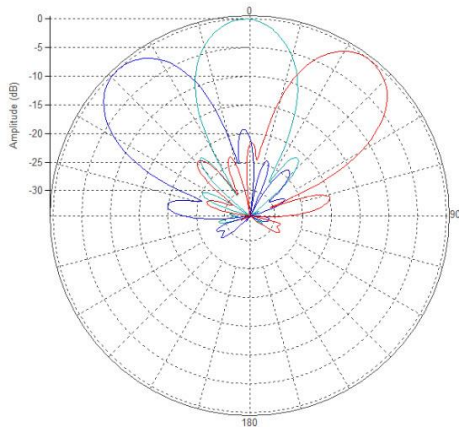
C-Band Horizontal Pattern (3.7GHz)



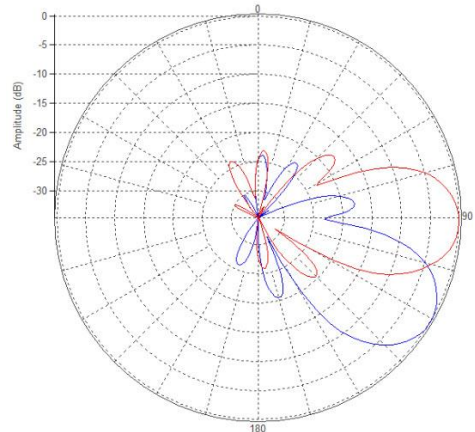
C-Band Vertical Pattern at 0° and 15° Tilt (3.7GHz)



High-Band Horizontal Pattern (1.80GHz)



High-Band Vertical Pattern 0° tilt and 30° tilt (1.80GHz)



TECHNICAL SPECIFICATIONS		
Frequency	3700-4200 MHz	1695-2690 MHz
Gain	20dBi	17.8dBi
VSWR	<1.5:1	<1.5:1
Polarization	Dual Slant $\pm 45^\circ$	Dual Slant $\pm 45^\circ$
Horizontal Coverage	120°	120°
Horizontal Beamwidth (10dB)	45°	40°
Horizontal Beamwidth (3dB)	25°	23°
Vertical Beamwidth (10dB)	16°	40°
Vertical Beamwidth (3dB)	8°	23°
Beam Cross-over	6-8dB typical	10dB typical
Total Number of Beams	3	3
Number of Ports per Beam	4	8
Number of Ports Total	12	24
RET Per Cross-Pol;	0° - 15°	0° - 30°
First Sidelobe Level	< -18dB	< -16dB
Front to Back Ratio	28dB	>28dB
Isolation Port to Port - Polarization	28dB	>28dB
Isolation Port to Port – Beam	28dB	>28dB
Power Rating	150W per port	200W per port
Intermodulation	<-153dBc	<-153dBc
Impedance	50 Ohm	50 Ohm
Connector Quantity and Type	12 x 4.3-10 female	24 x 4.3-10 female

MECHANICAL DATA	
Dimensions (H x W x D)	244 x 61 x 64 cm
	96 x 24 x 25 inch
Antenna Weight	75 kg
	165 lbs
Radome Material	Fiber Glass
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 @ 150km/hr	Frontal:
	Lateral: