

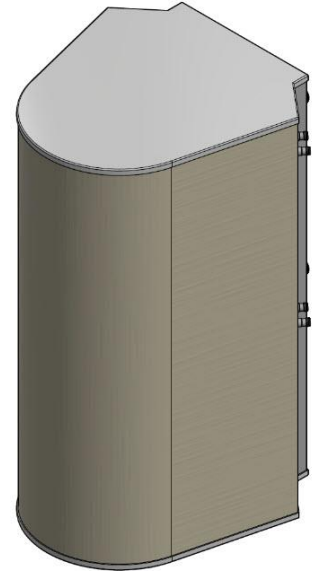
## MS-MBA-6.5-SH2-SH2

**Multi-Beam Dual Band Lens Antenna: 11 (5 & 6) independent cross-polarized beams for frequency (2.3 – 2.4GHz) and frequency (3.4 – 3.6GHz). Each beam can support 2X2 MIMO. Standard RET configuration.**

### Beam Color Code.

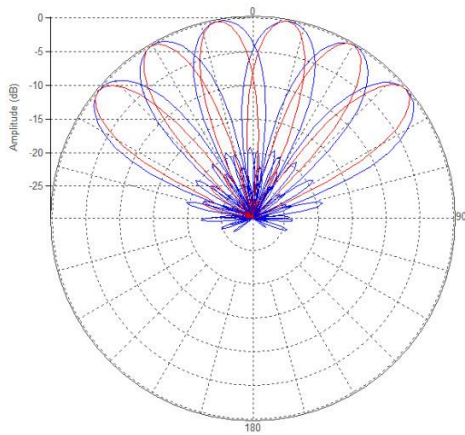
Blue Color = 2.35GHz

Red Color = 3.5GHz

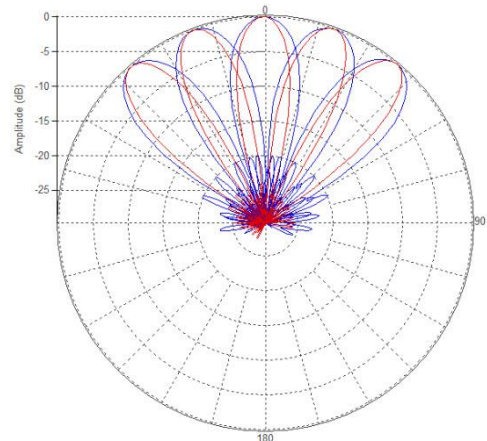


### PATTERN RESULTS:

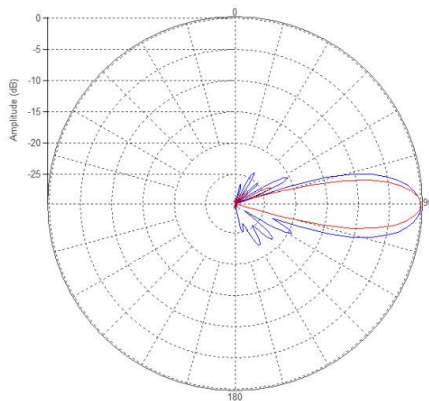
**6 Beam Horizontal Pattern**



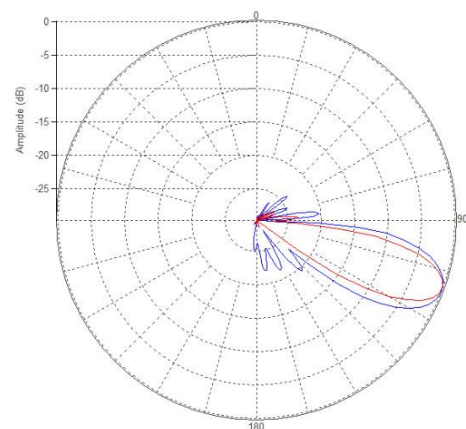
**5 Beam Horizontal Pattern**



**Vertical Pattern at tilt 0°**



**Vertical Pattern at tilt 20°**



TECHNICAL SPECIFICATIONS		
Frequency	2.3 – 2.4GHz	3.4 – 3.6GHz
Gain	20dBi	22dBi
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)	29°	22°
Horizontal Beamwidth (3dB)	17°	13°
Vertical Beamwidth (3dB)	17°	13°
Beam Cross-over	4dB typical	8dB typical
Total Number of Beams	11	
Number of Ports per Beam	2	2
Number of Ports Total	22	
RET Per Cross-Pol;	0° - 20°	
First Sidelobe Level	< -18dB	<-18dB
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	150W per port
Intermodulation	<-153dBc	<-153dBc
Impedance	50 Ohm	
Connector Quantity and Type	22 x 4.3-10 female	

MECHANICAL DATA	
Dimensions (H x W x D)	114 x 61 x 64 cm
	45 x 24 x 25 inch
Antenna Weight	40 kg
	88 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: