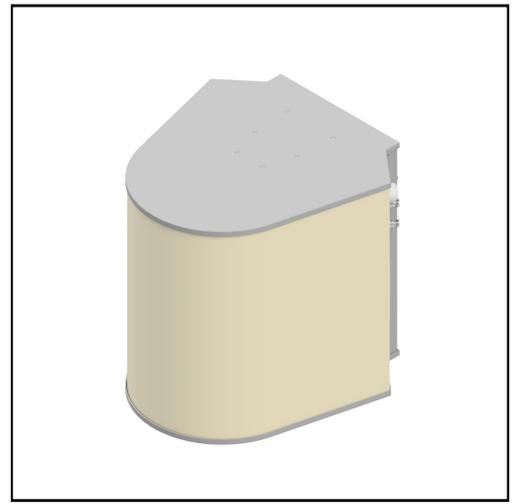


MS-MBA-4-H2

Multi-Beam High Band Spherical Lens Antenna capable of four independent high-frequency (1695-2690MHz) cross-polarized beams to support 2X2 MIMO. Each beam has independent tilt adjust from 0° to 20°.

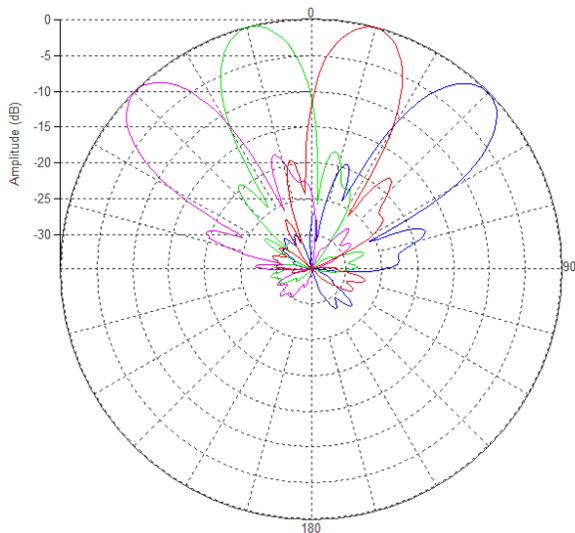
Improved design includes;

- 1. Small form factor**
- 2. Standard RET capability**

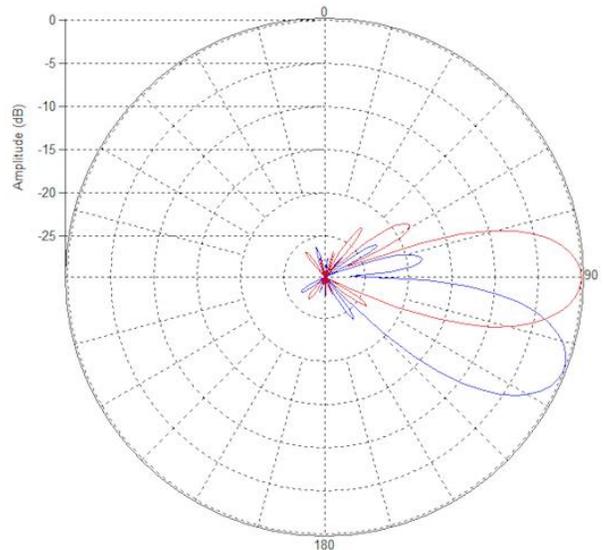


PATTERN RESULTS:

High-band Horizontal Pattern (1.92GHz)



High-band Vertical Pattern (1.92GHz) at tilt 0° and 20°



TECHNICAL SPECIFICATIONS

Frequency	1695-2690 MHz
Gain	19dBi
VSWR	<1.5:1
Polarization	Dual Slant ±45°
Horizontal Coverage	120°
Horizontal Beamwidth (10dB level)	30°
Horizontal Beamwidth (3dB level)	17°
Vertical Beamwidth (10dB level)	30°
Vertical Beamwidth (3dB level)	17°
Beam Cross-over	10dB typical
Total Number of Beams	4
Tilt Per Cross-Pol	0° to 20°
Sidelobe level	<-16dB
Front to Back Ratio	>28dB
Isolation Port to Port - Polarization	>28dB
Isolation Port to Port - Beam	>28dB
Power Rating	250W per port
Intermodulation	<-153dBc
Impedance	50 ohm
Connector Quantity and Type	8 x 4.3-10 female

MECHANICAL DATA

Dimensions (H x W x D)	63.5 x 61.7 x 72 cm 25 x 24.3 x 28.4 inch
Antenna Weight	23.6kg/52lbs [w/o Bracket] 25kg/55.1lbs [w/Bracket]
Radome Material	Fiber Glass
Mounting	2 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 @ 150 km/hr	N/lbf Frontal: 276/62.1 Lateral: 428/96.2 Rear: 323/72.6

CONNECTOR LAYOUT:

