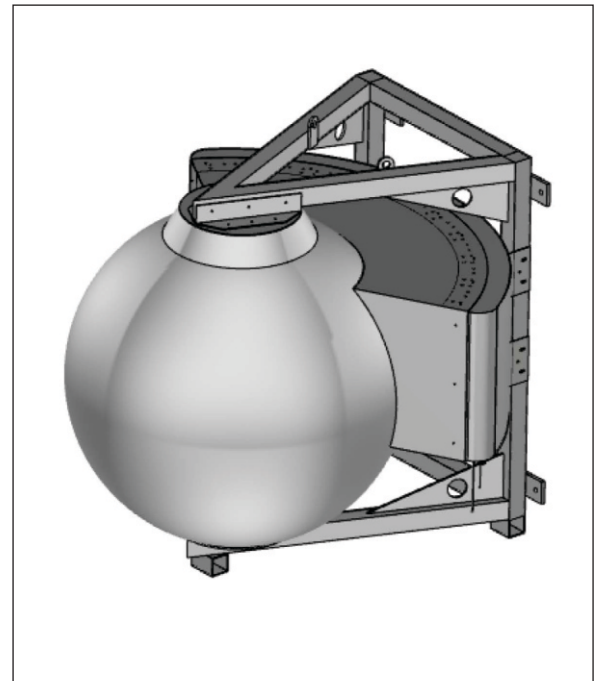


MS-8H120

Multi-Beam Dual Band Spherical Lens Antenna: 8 independent high-frequency (1695-2690MHz) cross-polarized beams, with 0-15° tilt for each beam and 2X2 MIMO support per beam.

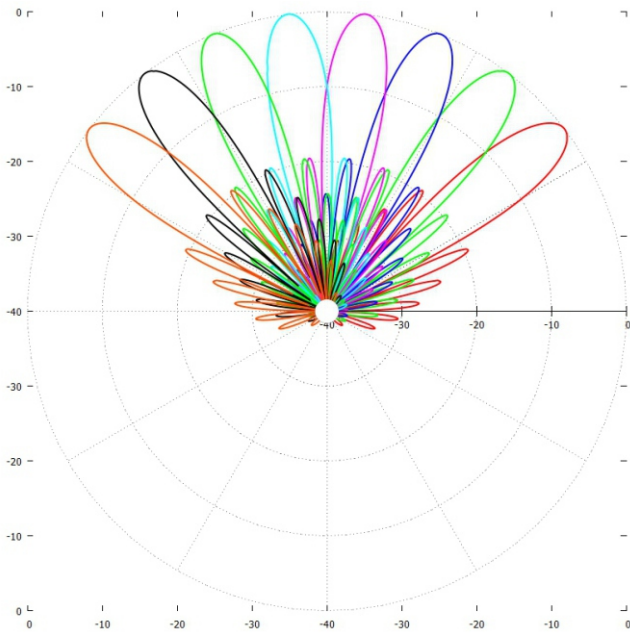
Optional Packages:

MS-8H120-RET: AISG 2.0 Remote Electrical Tilt

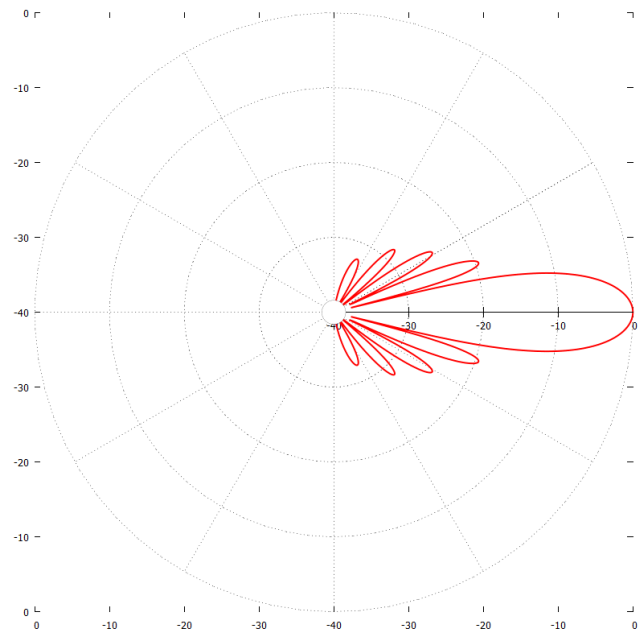


PATTERN RESULTS:

High-Band Horizontal Pattern(1.80GHz)



High-Band Vertical Pattern(1.80GHz)



TECHINCAL SPECIFICATIONS PER BEAM

Frequency	1695-2690 Mhz
Gain	24.5dBi
VSWR	<1.5:1
Polarization	Dual Slant ±45°
Horizontal Coverage	120°
Horizontal Beamwidth (10dB level)	15°
Horizontal Beamwidth (3dB level)	8.5°
Vertical Beamwidth (10dB level)	15°
Vertical Beamwidth (3dB level)	8.5°
Beam Cross-over	10dB typical
Total Number of Beams	8
Manual Adjustable Tilt per beam	0° to 15°
First 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	<-150dBc
Impedance	50ohm
Connector Quantity and Type	16x4.3-10 female

MECHANICAL DATA

Dimensions (H x W x D)	Spherical Lens diameter: 120cm/47inch Antenna dimensions 141 x 148 x 155cm 55 x 58 x 61 inch
Antenna Weight	75kg/165lbs
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 (Front)	TBD

CONNECTOR LAYOUT: