

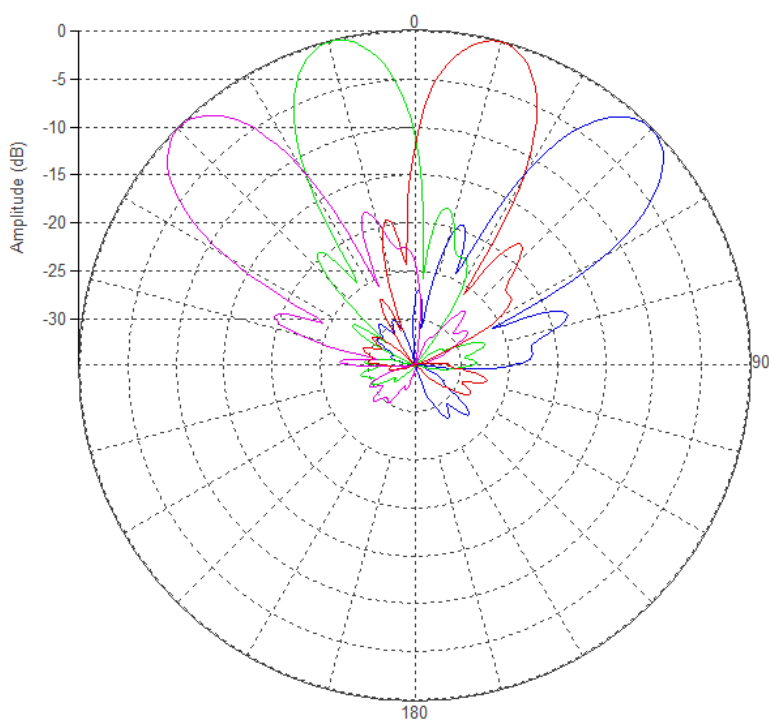
MS-4H60

Multi-Beam Wide Band Spherical Lens Antenna:
4 independent high frequency (1710-2690MHz) cross-polarized beams with 2X2 MIMO support and 15° adjustable tilt per beam.

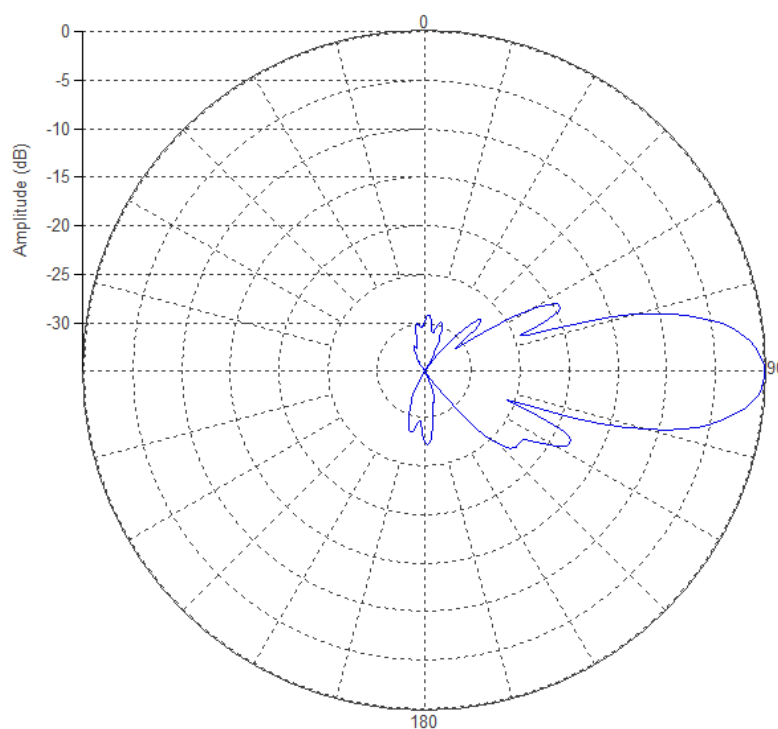


PATTERN RESULTS:

Horizontal pattern for 1.92GHz



Vertical pattern for 1.92GHz





ESTIMATED TECHINCAL SPECIFICATIONS PER BEAM

Frequency	1710-2690 MHz
Gain	21dBi
Return Loss	>15dB
Polarization	Dual Slant $\pm 45^\circ$
Horizontal Coverage	120°
Horizontal and Vertical Beamwidth (3dB level)	$16^\circ \pm 1.5^\circ$
Horizontal and Vertical Beamwidth (10dB level)	$30^\circ \pm 2^\circ$
Beam Cross-over	10dB
Total Number of Beams	4
Manual Adjustable Tilt per Beam (cap)	0° to 15°
First Sidelobe Level	<-18dB
Front to Back Ratio	>28dB
Isolation Port to Port - Polarization	>28dB
Isolation Port to Port – Beam	>28dB
Power Rating	300W per port
Intermodulation	<-150dBc
Impedance	50 ohm
Connector Quantity and Type	8 7/16 DIN female

ESTIMATED MECHINCAL DATA

Dimensions (H x W x D)	Spherical Lens diameter: 60cm/24inch Antenna dimensions: 70 x 80 x 80 cm 28 x 32 x 32 inch
Antenna Weight	25kg/55lbs
Radome Material	Fibre Glass
Mounting	Adjustable clamps Compatible pipe diameter: 6.1 – 11.4 cm 2.4 – 4.5 inch

ESTIMATED ENVIRONMENTAL RATINGS

Humidity	95% RH @ +30°C
Temperature	-40°C to +70°C
Wind load (Front)	462 N @ 151km/hr 104 lbf @ 151km/hr

SAMPLE CONNECTOR LAYOUT:

