

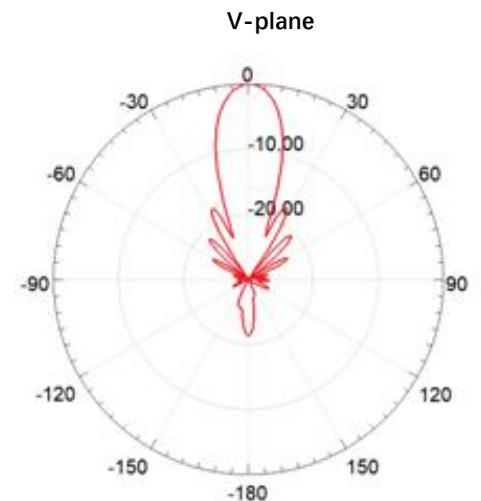
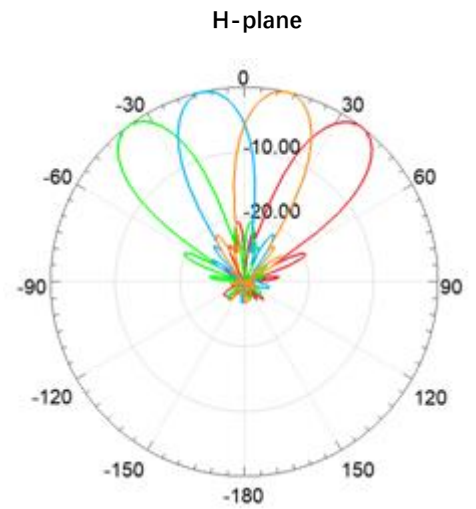
# 1710-2690MHz 8-Port Four Beam Lens Antenna

## Electrical Specifications

Product Name	8-Port Four Beam Lens Antenna
Model	EHS1LB030A
Frequency (MHz)	1710-2690
Number of Port	8
Gain (dBi)	20±1.5
Number of Beam	4
Horizontal Beam Pointing(°)	±15, ±44
Horizontal 3dB Beam width (°)	14±3
Horizontal 10dB Beam width (°)	25±4
Vertical 3dB Beam width (°)	14±3
Vertical 10dB Beam width (°)	25±4
Beam Crossing (dB)	-11±3
Horizontal Coverage(°)	120
Upper Sidelobe Suppression	15
Front to Back Ratio (dB)	>25
Polarization (°)	±45
Isolation of Polarized Ports (dB)	≥25
Isolation of Beam Ports (dB)	≥23
VSWR	≤1.5
Input Impedance (Ω)	50
Power Rating (W)	8×100
Intermodulation IM3 (dBm, 2×43dBm)	≤-107

## Mechanical Specifications

Mechanical Down-Tilt (°)	0~20
Antenna Dimension (mm)	524×448×448
Packaging Dimension (mm)	640×530×610
Net Weight (Kg)	15.2
Gross Weight (Kg)	25.8
Clip Weight (Kg)	5.8
Connector	8*7/16DIN-Female
Mounting Pole Diameter (mm)	40-114
Radome Material	ASA
Rated Wind Velocity (m/s)	55
Operating Temperature (°C)	-40~+70
Operating Humidity	5%~95%
Lighting Protection	DC Ground



**Schematic diagram of antenna**