

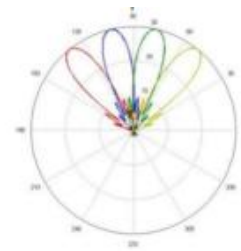
## 8-Port Quad Beam Lens Antenna

### Electrical Specifications

Product Name	8-Port Quad Beam Lens Antenna
Model	EHS1LB030A
Frequency (MHz)	1710-1850/1880-2025/2525-2515/2515-2690
Number of Port	8
Gain (dBi)	18.7/19.5/21/21
Number of Beam	4
Horizontal Beam Pointing(°)	-43.5/-14.5/14.5/43.5
Horizontal3dB Beam width (°)	17/15.5/12.5/10.5
Horizontal10dB Beam width (°)	29/27/23.5/21
Vertical 3dB Beam width (°)	16.5/15/12.5/10.2
Vertical 10dB Beam width (°)	31/29/25.5/20
Beam Crossing (dB)	-11±3
Horizontal Coverage(°)	115±5
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)	8X150
Intermodulation IM3	≤-150dBc (2×43dBm)

1710-2170MHZ

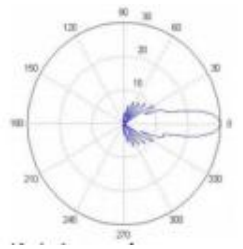
H-plane



H-plane

3300-3800MHZ

H-plane



V-plane

### Mechanical Specifications

Mechanical Down-Tilt (°)	0~20
Antenna Dimension (mm)	730×645×715
Packaging Dimension (mm)	825×730×860
Net Weight (Kg)	14.5
Connector	8*7/16DIN-Female
Mounting Pole Diameter (mm)	40-114
Radome Material	ASA+ABS
Rated Wind Velocity (m/s)	55
Operating Temperature (°C)	-40~+70
Operating Humidity	30%~90%
Lighting Protection	DC Ground



**Schematic diagram of antenna**