



Features

- Dual Circular Polarization
- Frequency Range 4900~5900 MHz
- Dual Port
- Omnidirectional Radiation
- High Power 100W

Applications

Test & Measurement

Radar

Military and Space

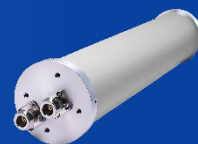
Satellite

Microwave Radio Systems

Communication Systems

Description

The Dual Polarized high gain omnidirectional base station antenna optimized for 5 GHz frequency. This antenna is ideally suited for multipoint applications where long range and wide coverage is desired. It is actually one antenna have 2 connectors, horizontal polarized and vertical polarized for both ports, Rugged and Weatherproof.



Technical Specifications

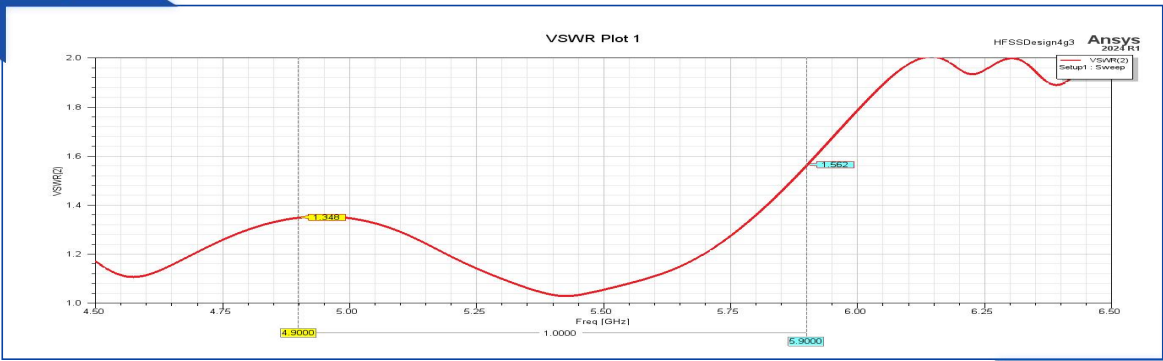
Electrical	
Frequency Range	4900-5900 MHz
Maximum Gain on the Horizontal Plane	4.9-5.1 GHz Vertical & Horizontal @ 8dBi 5.1-5.9 GHz Vertical & Horizontal @ 10dBi
V.S.W.R	≤2.0 Max 2.5
Radiation	Omni-Direction
Horizontal Beam width	360°
Vertical Beam width	11±3°
Polarization	Vertical & Horizontal
Lightning Protection	DC Grounded
Maximum Inport Power	100 W
Impedance	50Ω
Connector	2xN Female
Antenna Radome Material	Fiberglass
Mount way	Pole
Diameter of Installation Pole	Ø30~Ø50 mm
Mechanical	
Dimensions	Φ66x355 mm
Weight	500 g
Operating Temperature	-40°C to +70°C
Fireproof	UL94
Waterproof	IP67

Notes:

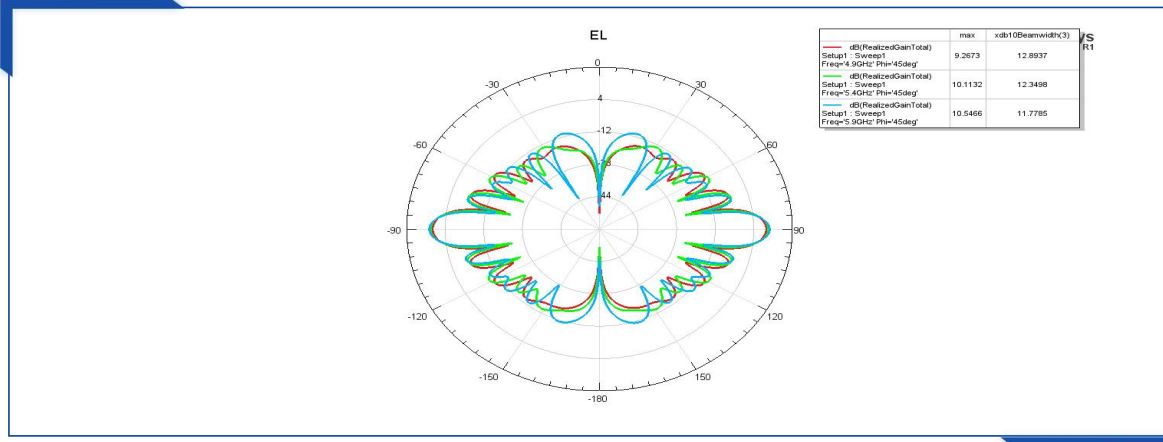
Values at 25°C, sea level.



Typical Performances



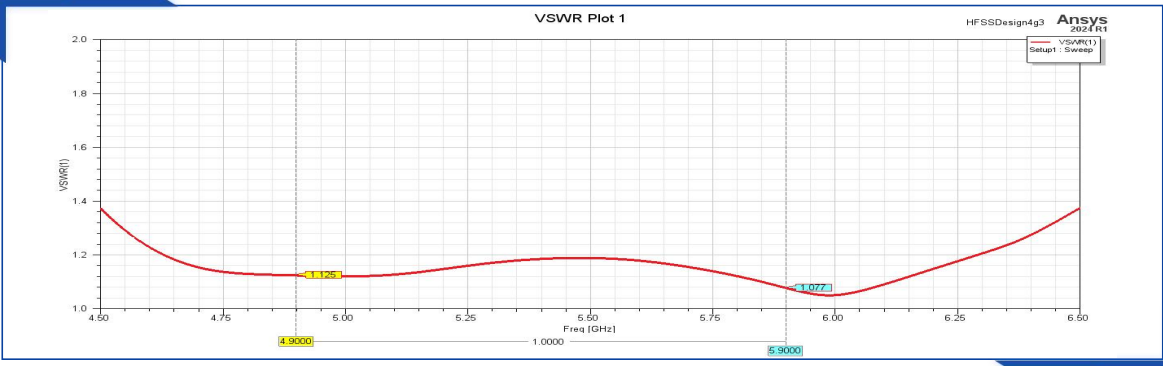
Performance Curve Vertical Polarization



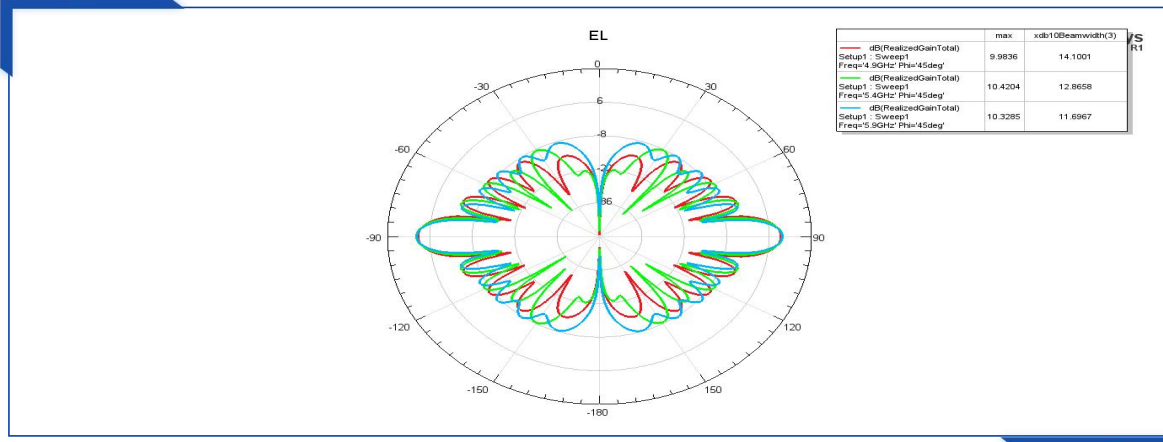
Performance Curve Vertical Polarization



Typical Performances

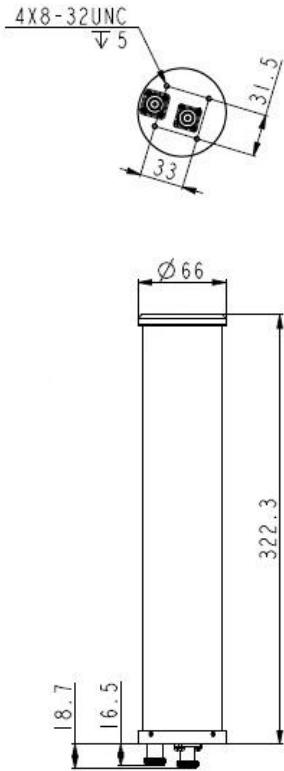


Performance Curve Horizontal Polarization



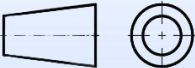
Performance Curve Horizontal Polarization

Outline Drawing:



NOTES:

- 1.UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
- 2.ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
- 3.DIMENSIONS ARE IN mm.

 西安星航通信科技有限公司 XI'AN SATNAVCOM TECHNOLOGY CO., LTD.	PART NAME		
	Dual Circular Polarization High-Gain Omnidirectional Antenna		
	JL2.940.0004	REV	DATE
Tel: +86 135 1916 6509		V1.0	2026.4.9
Website: www.mwglobe.com		SCALE 1:1	
E-Mail: sales@mwglobe.com			