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HAUHF1266 Circularly Polarized Panel Antenna



Product Overview

The HAUHF1266 is an ultra-thin, circularly polarized panel antenna (internally equipped with a PCB antenna) independently developed by Huahe Tech. It operates in the 902 ~ 928 MHz frequency band, achieving maximum efficiency and performance through unique design and advanced technology.

Product Features

- Lead-free and environmentally friendly
- Low VSWR and Axial Ratio
- Ultra-thin form factor for internal installation
- Various cable lengths and connector options available

Application Areas

- Warehousing
- Logistics Management
- Airports & Hospitals

- Transportation
- Industrial Production Lines

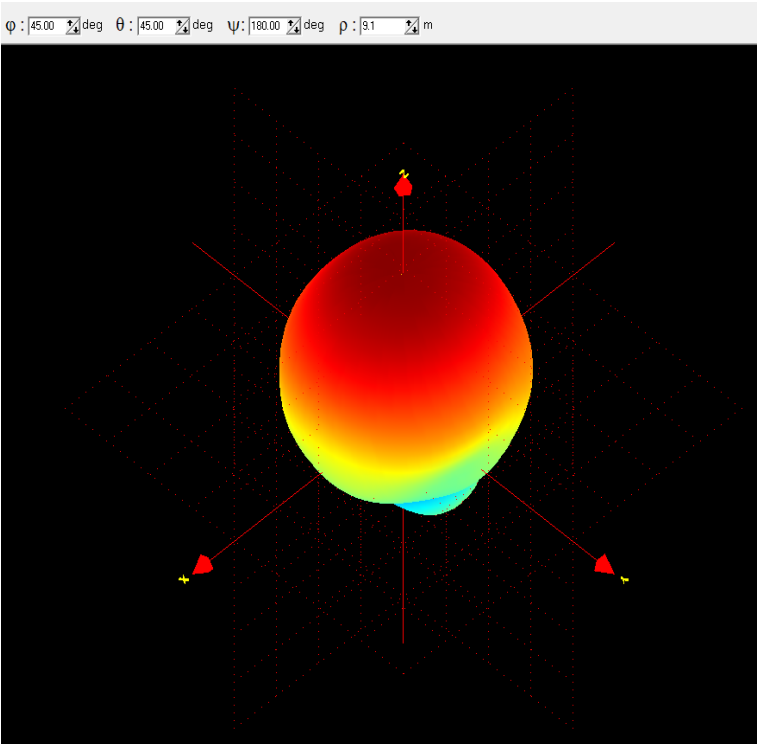
Technical Specifications

Parameter	Specification
Antenna Model	HAUHF1266
Frequency Range	902 ~ 928 MHz
Maximum VSWR	1.5:1
3dB Beamwidth	90°
Front-to-Back Ratio	20 dB
Gain	6 dBi
Polarization	Circular
Maximum Input Power	10 W
Input Impedance	50 Ohm
Weight	0.33 kg
Dimensions	126mm × 126mm × 15mm
Connector Types	TNC / N / SMA
Material	High-Strength PCB Material
Operating Temperature	-25°C to +75°C
IP Rating	IP67

Performance Data

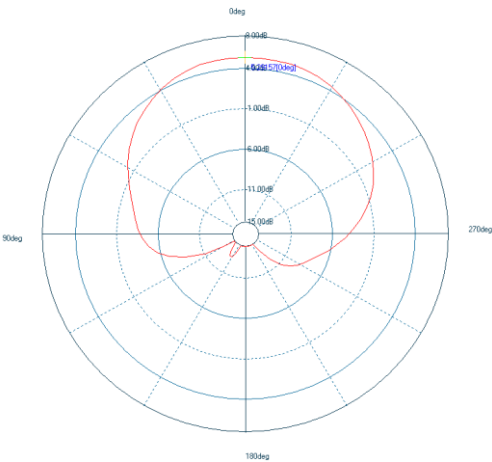
Frequency (MHz)	Efficiency (%)	Gain (dBi)	Axial Ratio
880	35.6	2.05	2.09
890	49.3	3.64	1.75
900	66.6	4.99	1.25
910	76.6	5.56	0.64
915	77.1	5.67	0.37
920	73.4	5.37	0.32
930	60.1	4.4	0.83
940	46.0	3.21	1.16
950	34.2	2.01	1.32
960	26.3	0.92	1.44

Technical Drawings and Diagrams

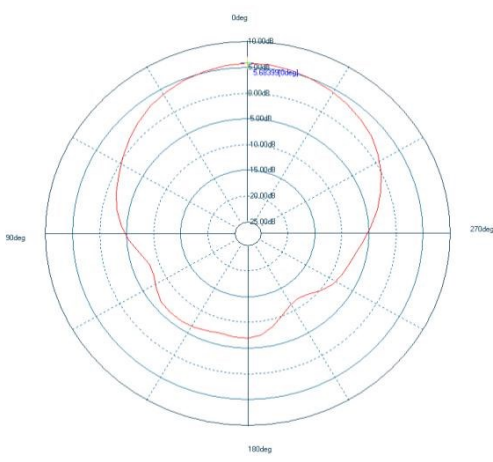


3D-915M Model

Radiation Patterns



XZ Plane: ($\text{Phi} = 0^\circ$, $\text{Theta} = 0^\circ \sim 360^\circ$)



YZ Plane: ($\text{Phi} = 90^\circ$, $\text{Theta} = 0^\circ \sim 360^\circ$)

HAUHF1266 Drawings

