Fixed RFID Antennas - UHF RFID Application Dual Circular Polarization, 860 MHz~960 MHz	FDC-08

Features

- Gain: 5 dBi Min
- VSWR: 1.5:1 Max
- Isolation: -40 dB Min
- 3dB Beamwidth: 60°
- Polarization: LHCP and RHCP
- Dimensions: 730×310×40 mm
- Connector Type: N-Type Female

Item Pictures

Description

EMW FDC-08 RFID antenna is a dual circularly polarized dual fixed reader antenna for all RFID applications. High Gain (≥ 5 dBi) and broad beamwidth (60° Typical) increases read range while low VSWR (≤1.5:1) minimizes wasted power in reader systems. The antenna's light weight (3.0Kg) and small size (730×310×40 mm) are ideal for all RFID applications.

Electrical Characteristics

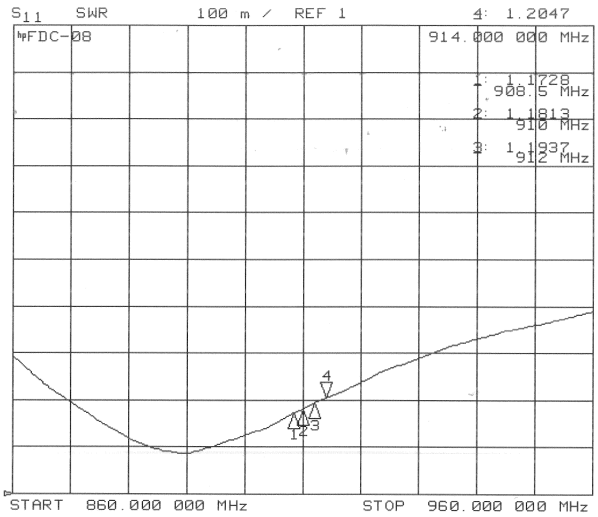
Frequency Range:	860 MHz ~ 960 MHz	908.5 MHz ~ 914 MHz
Polarization:	LHCP and RHCP	
Nominal Impedance:	50Ω	
Gain:	≥5 dBi	≥6 dBi
VSWR:	≤1.5:1	≤1.3:1
Axial Ratio:	< 3dB	
Isolation:	≥ -40 dB	
3dB Beamwidth:	60° Typical	

Physical Characteristics

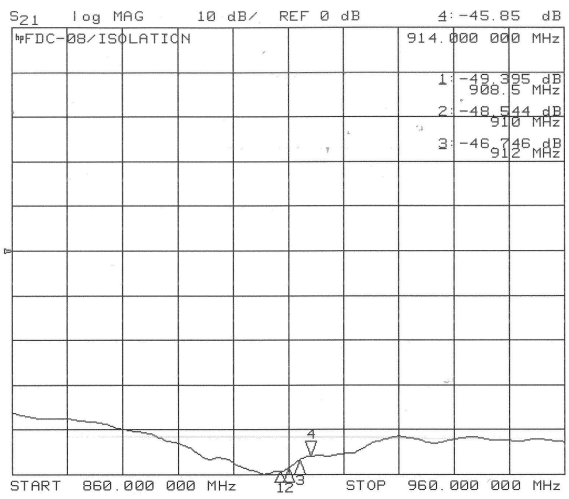
Dimensions(mm):	730×310×40
Weight(Kg):	3.0
Connector Type:	N-Type-Femalex2

Typical Performance Curves

VSWR

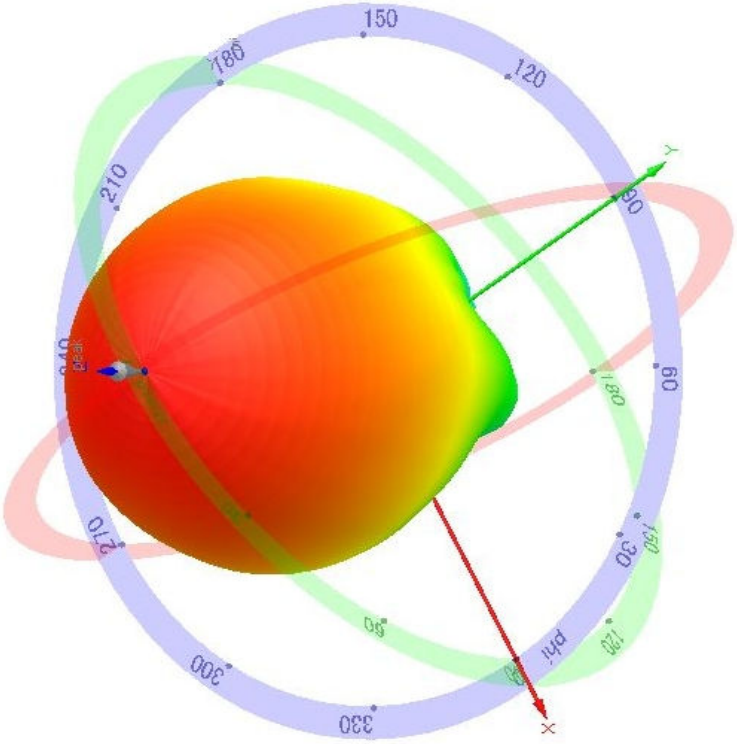


ISOLATION

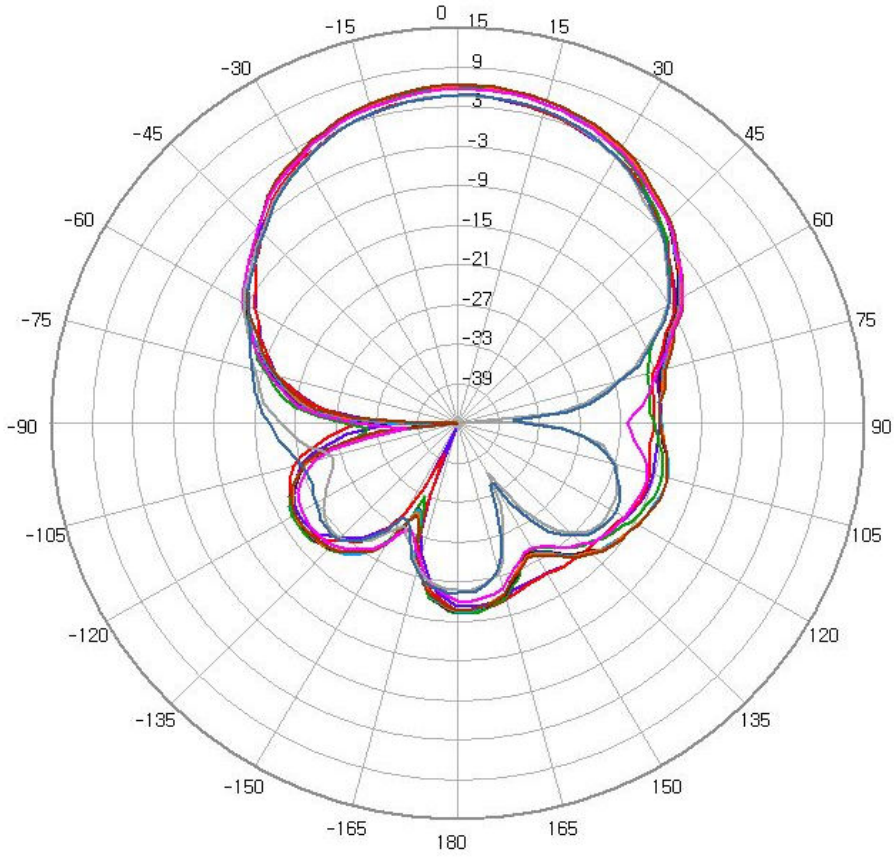


Typical Performance Curves

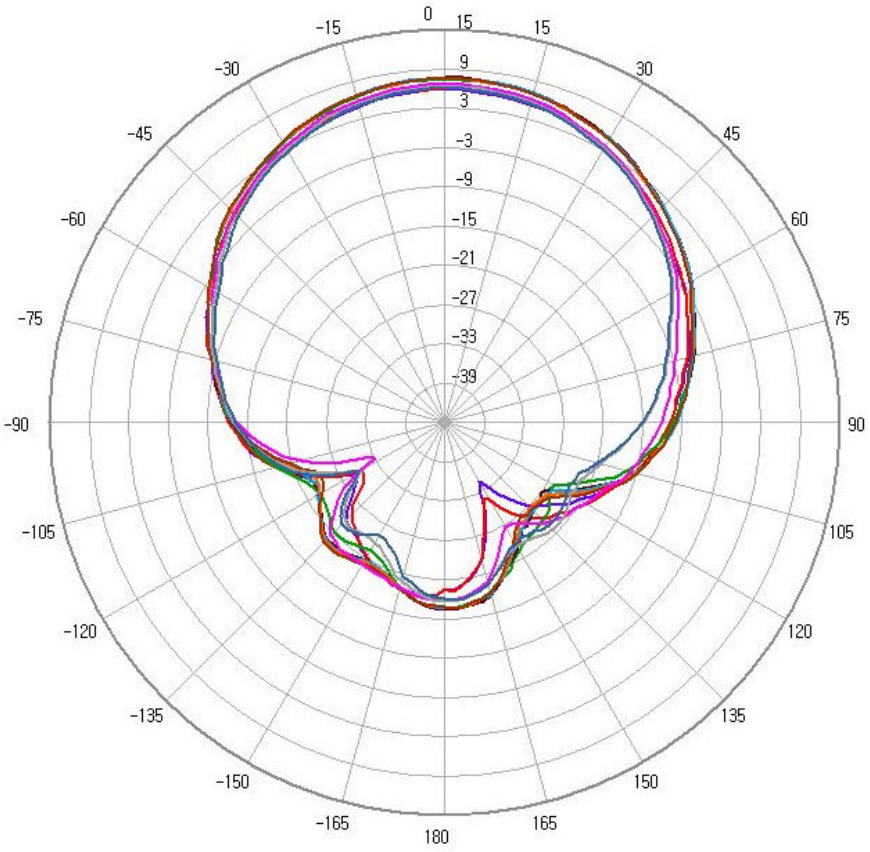
3D Pattern



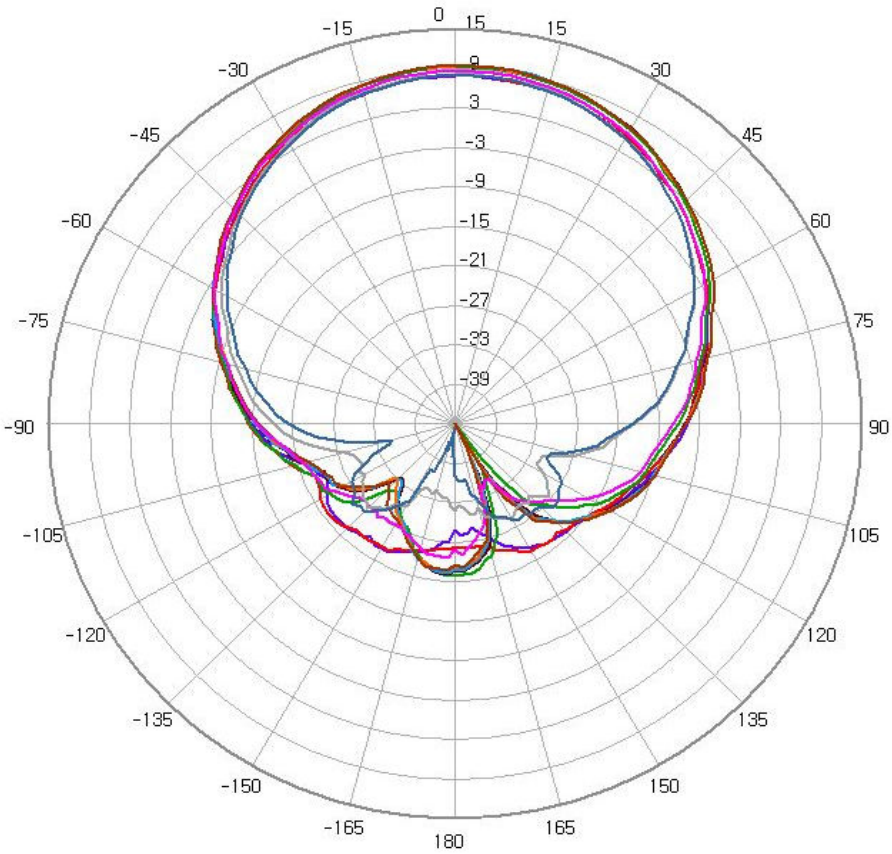
Radiation Pattern



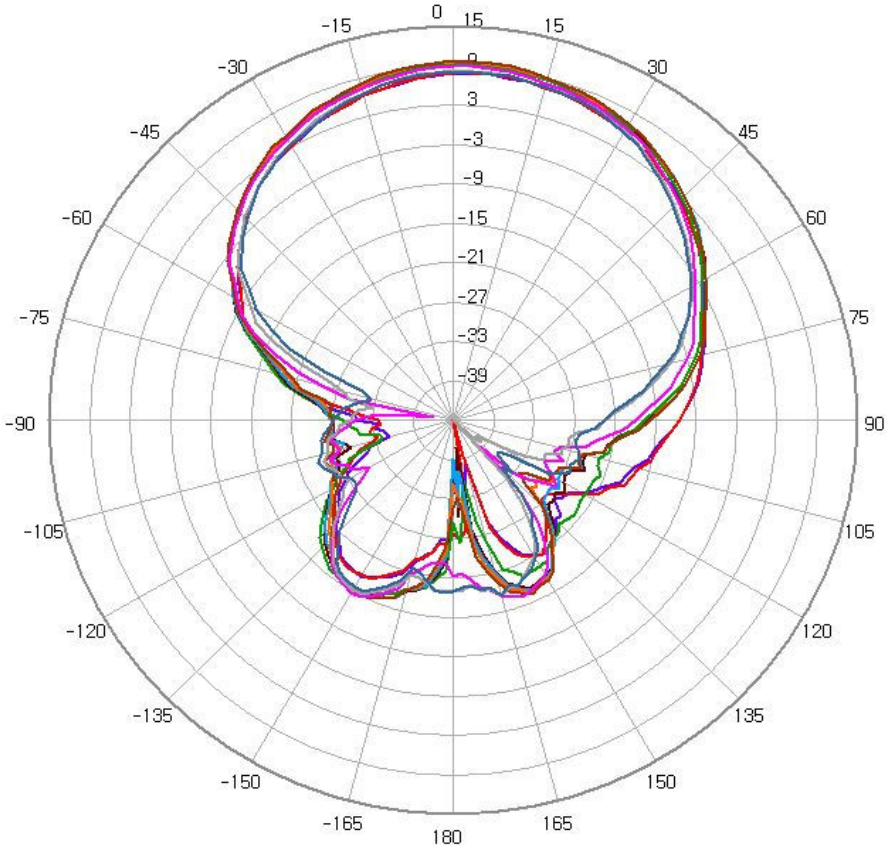
Horizontal (Port-1 & Port-2)



Vertical (Port-1 & Port-2)



RHCP (Port-1)



Theta [deg]

LHCP (Port-2)