

ANTENNA TEST REPORT

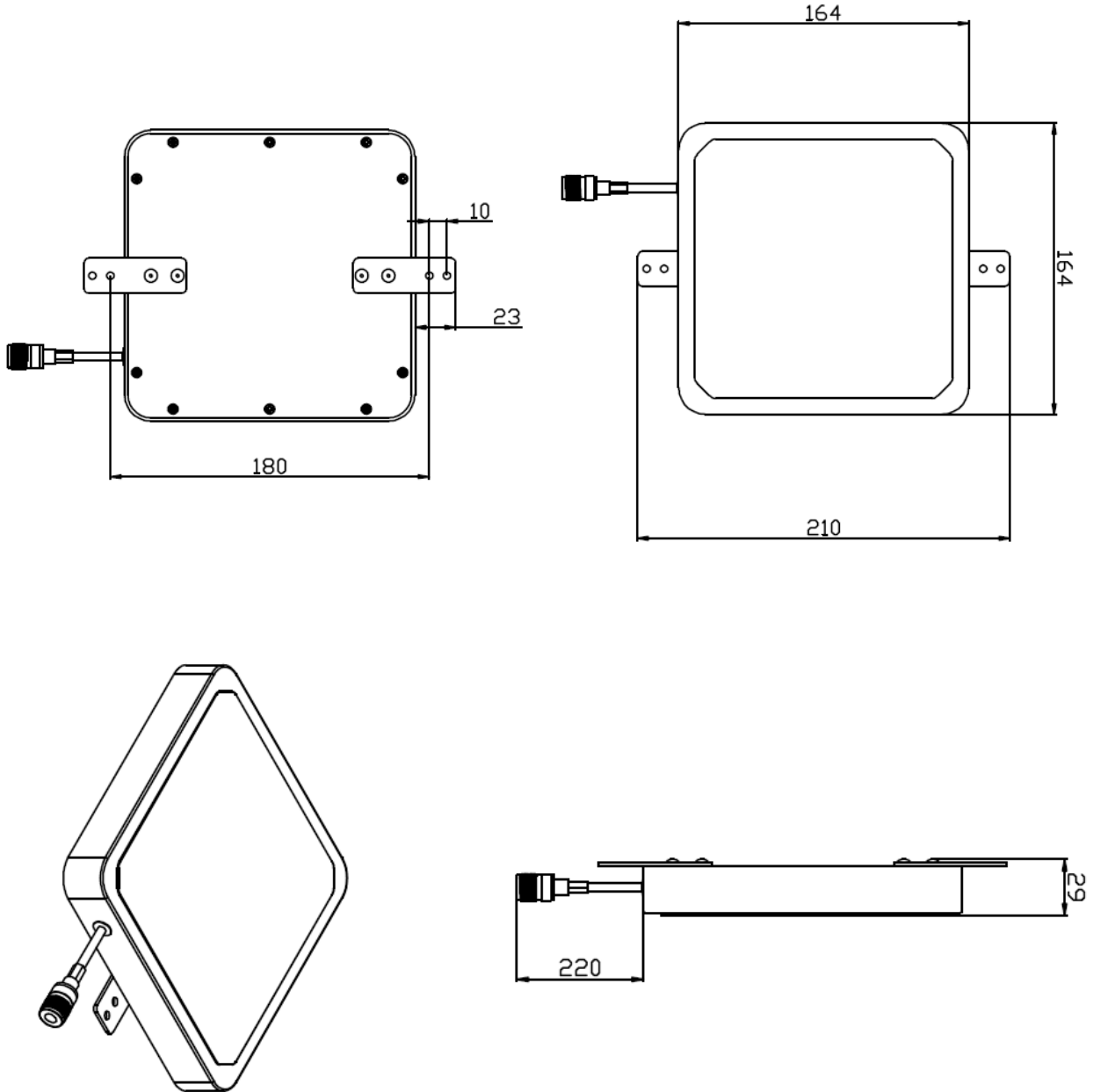
Type : External Reader Antenna

A. Specification

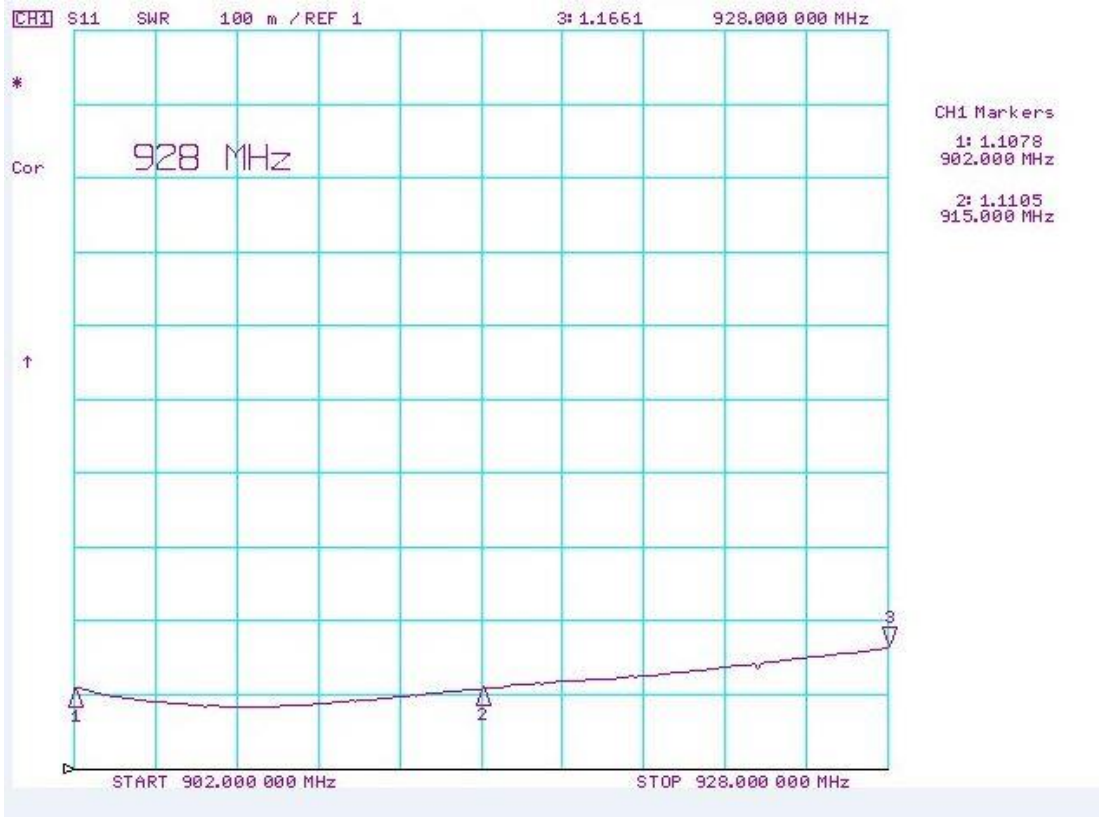
Electrical Specifications	
Frequency	902-928 MHz
Gain	4dBi
Beam width	Hor : 60° Ver : 60°
Polarization	Circular
VSWR	≤1.4
F/B Ratio	≥20
Impedance	50Ω
Maximum power	50W
Lightning protection	DC Ground
Connector	N-Female
Mechanical Specifications	
Dimension	164*164*20 mm
Net weight	0.30 kg
Packing size	25*6*19 cm
Gross weight	1.35kg
Radome material	ABS
Radome colour	White
Operating temperature	-40-70°C



B. Engineering Drawings

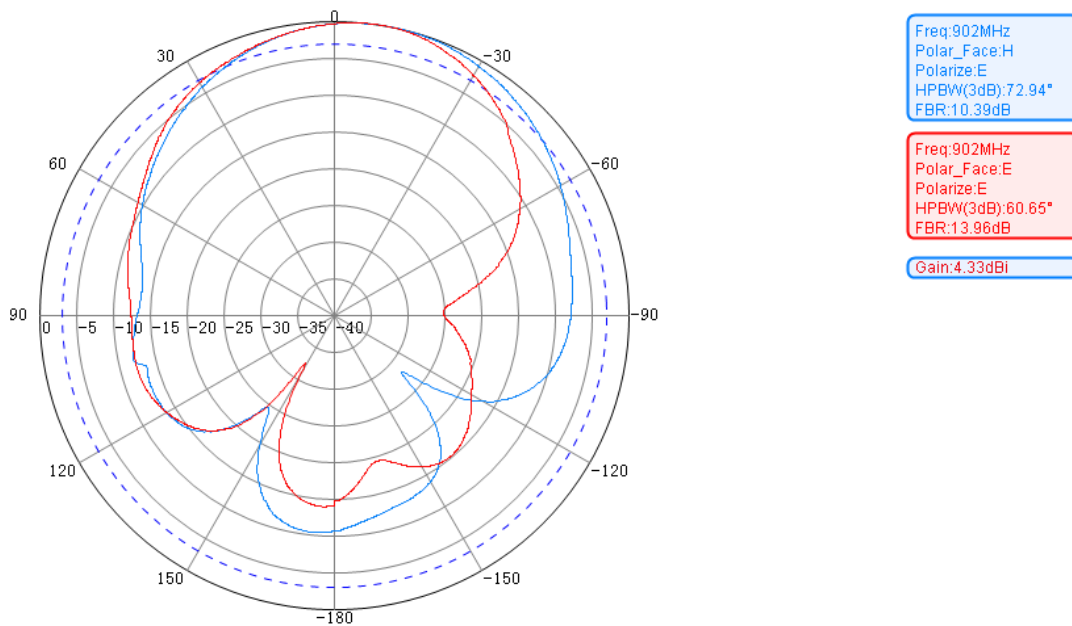


C. VSWR

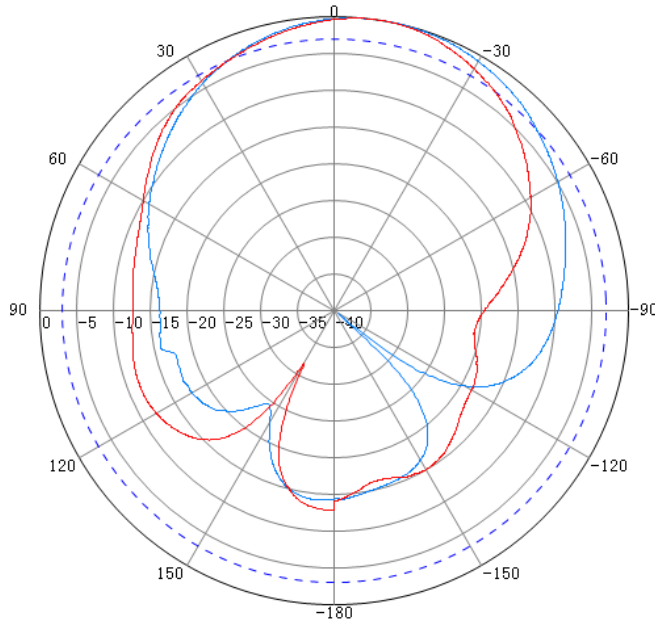


D. Azimuth & gain at different frequency points.

1. Frequency point : 902MHz



2. Frequency point : 915MHz

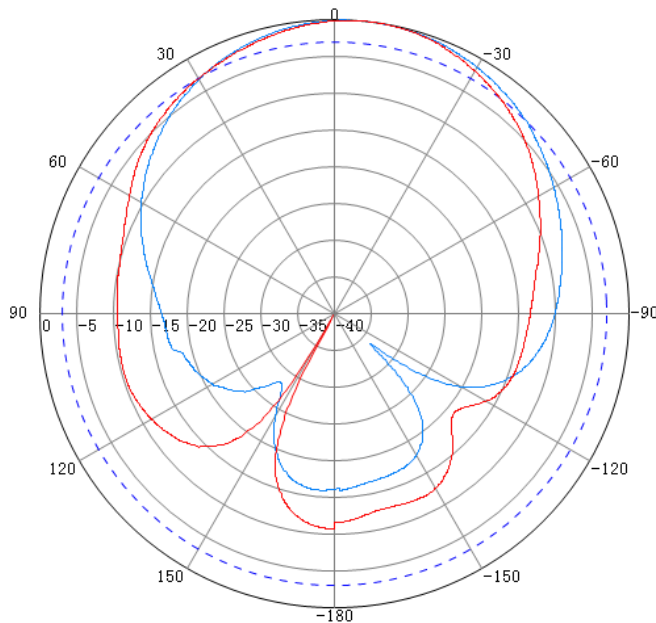


Freq:915MHz
Polar_Face:H
Polarize:E
HPBW(3dB):70.87°
FBR:14.15dB

Freq:915MHz
Polar_Face:E
Polarize:E
HPBW(3dB):58.33°
FBR:12.87dB

Gain:4.63dBi

3. Frequency point : 928MHz



Freq:928MHz
Polar_Face:H
Polarize:E
HPBW(3dB):73.03°
FBR:15.88dB

Freq:928MHz
Polar_Face:E
Polarize:E
HPBW(3dB):66.38°
FBR:10.68dB

Gain:4.61dBi