

ANTENNA TEST REPORT

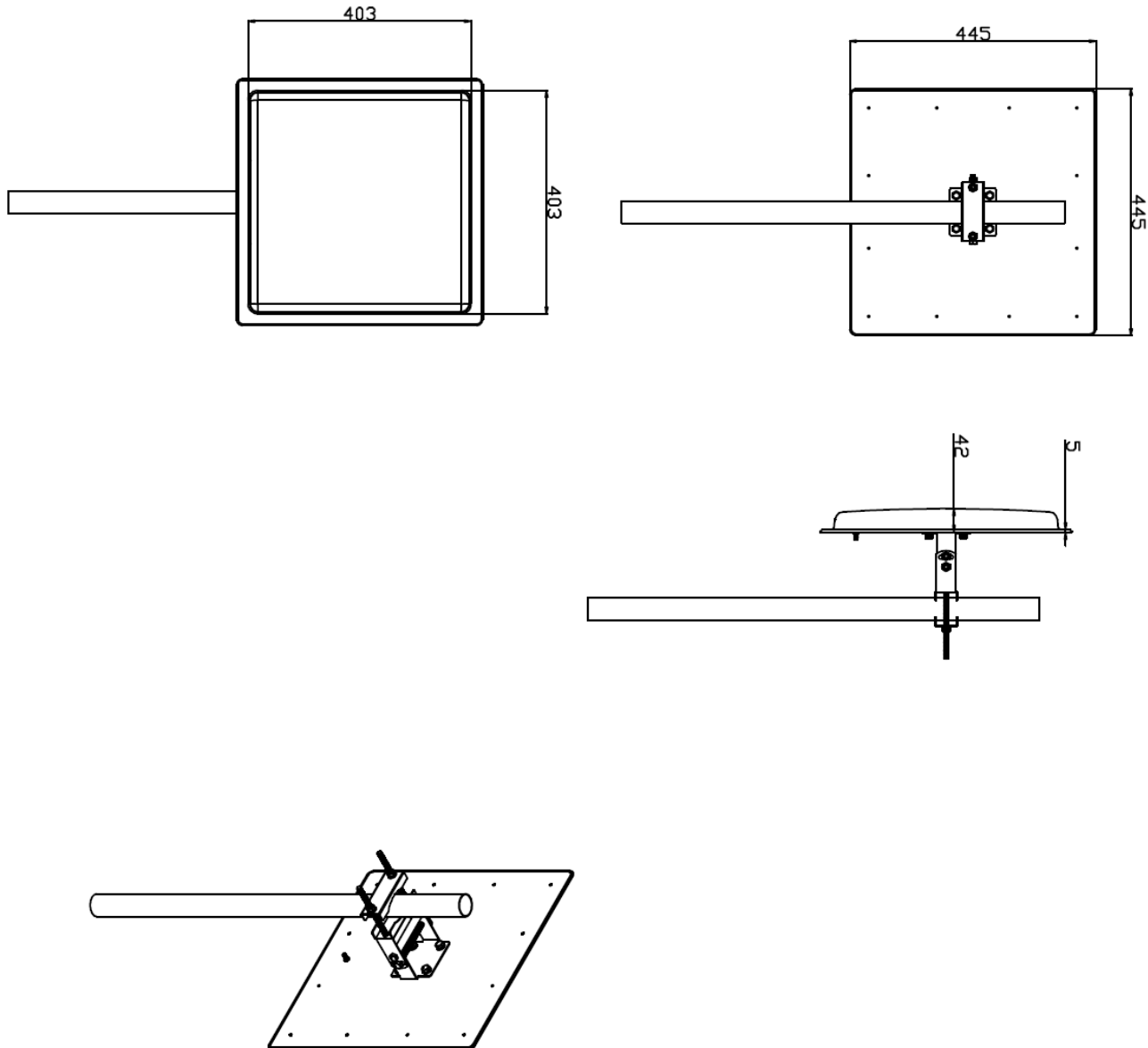
Type : External Reader Antenna



A. Specification

Electrical Specifications	
Frequency	902-928MHz
Gain	12dBi
Beam width	Hor : 45° Ver : 45°
Polarization	Circular
VSWR	≤1.5
F/B Ratio	≥25
Impedance	50Ω
Maximum power	100W
Lightning protection	DC Ground
Connector	N-Female
Mechanical Specifications	
Dimension	445*445*42mm
Net weight	1.95kg
Packing size	60*48*11cm
Gross weight	3.95kg
Radome material	ABS
Radome colour	White
Pole Diameter	Φ40-80mm
Rated wind velocity	60m/s
Operating temperature	-40-70°C

B. Engineering Drawings

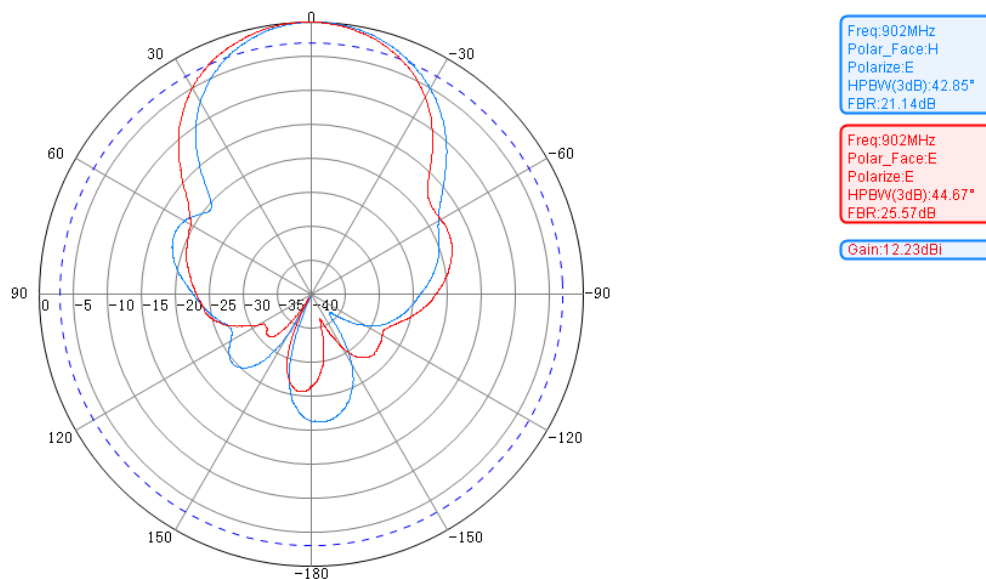


C. VSWR

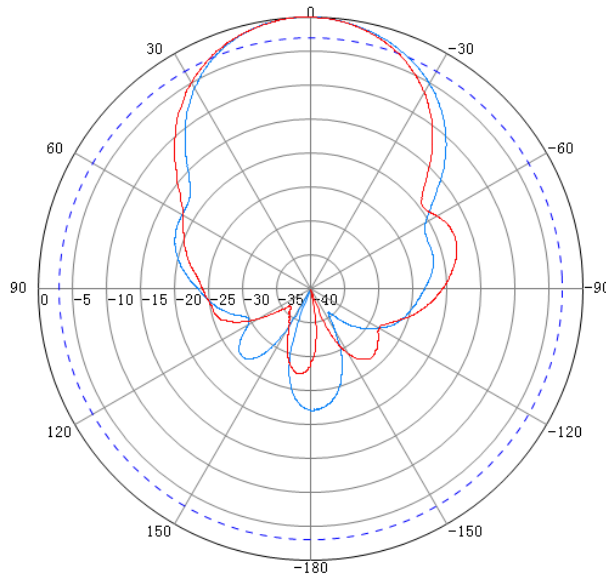


D. Azimuth & gain at different frequency points.

1. Frequency point : 902MHz



2. Frequency point : 915MHz.

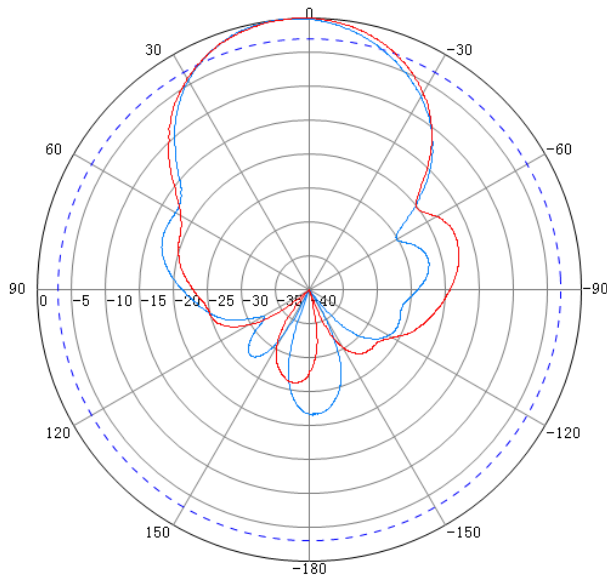


Freq:915MHz
Polar_Face:H
Polarize:E
HPBW(3dB):45.00°
FBR:22.01dB

Freq:915MHz
Polar_Face:E
Polarize:E
HPBW(3dB):43.89°
FBR:27.36dB

Gain:12.10dBi

3. Frequency point : 928MHz



Freq:928MHz
Polar_Face:H
Polarize:E
HPBW(3dB):42.46°
FBR:21.51dB

Freq:928MHz
Polar_Face:E
Polarize:E
HPBW(3dB):46.03°
FBR:26.09dB

Gain:12.14dBi