




Product Number: BGS-AN0902-70015090G

Product Name: RFID Flat Panel Antenna 902-928MHz 10dBi

## 1. Specification

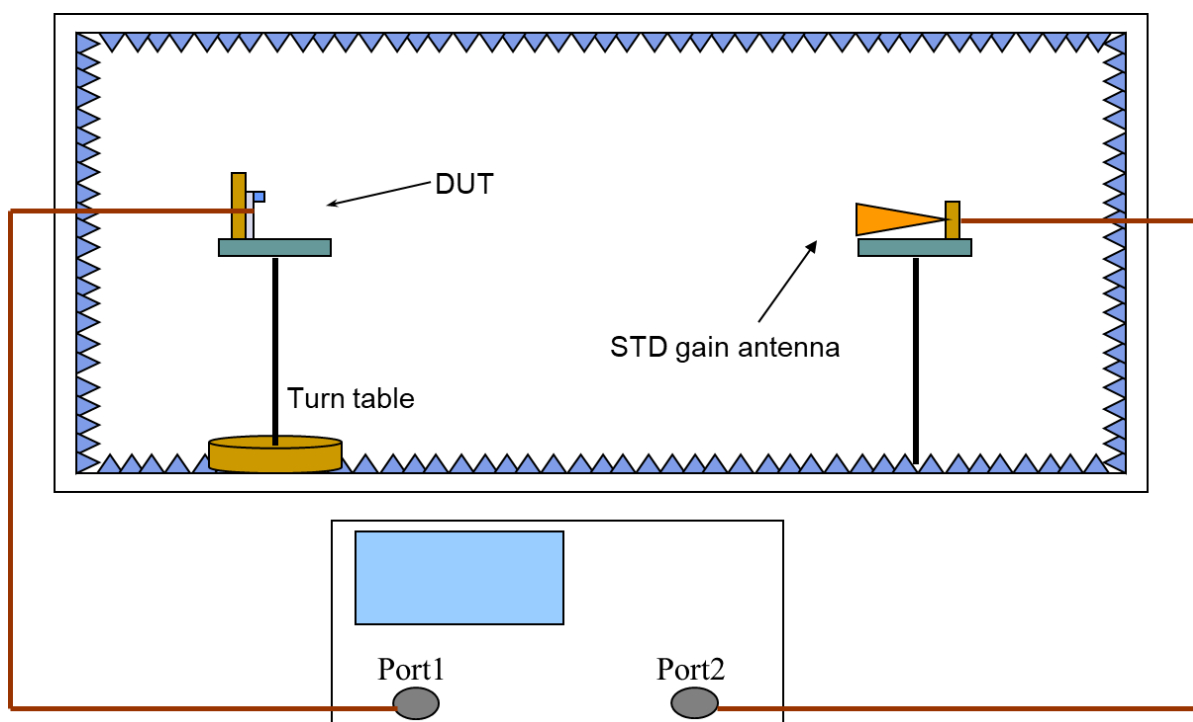
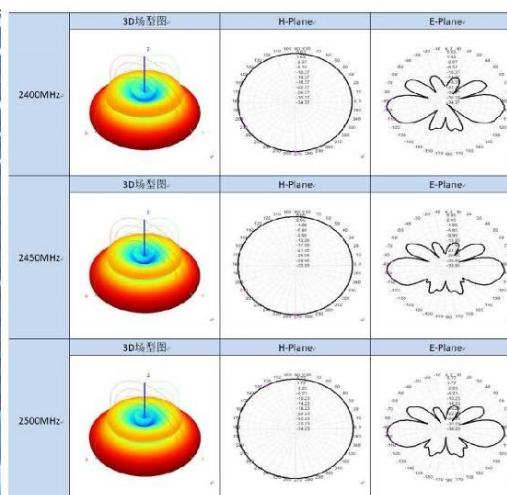
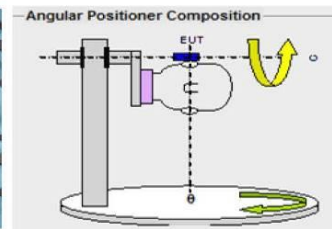
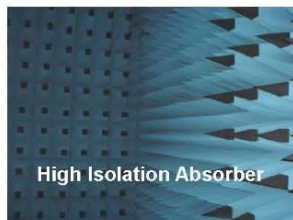
Sample Photo	
	
A. Electrical Characteristics	
Frequency	902-928MHz
S.W.R.	<1.5
Antenna Gain	10dBi
Polarization	Vertical
Horizontal Beamwidth	120°
Vertical Beamwidth	30°
F/B	>15dB
Impedance	50Ohm
Max. Power	100W
B. Material & Mechanical Characteristics	
Connector Type	N connector
Cable Type	LMR400 Cable
Dimension	750*150*90mm
Radome material	Fiberglass
Weight	4.5Kg
C. Environmental	
Operation Temperature	- 40 °C ~ + 85 °C
Storage Temperature	- 40 °C ~ + 85 °C
Operation Humidity	< 95%
Rated Wind Velocity	36.9m/s

## Test Equipment & Conditions

1. Network Analyzer: Keysight E5071C

2. 3D Chamber Test System

- .Chamber Size: 9 x 5 x 4 m<sup>3</sup>
- .Freq. Range: 0.4 ~ 18.0 GHz
- .Double Ridge Horn Antenna
- .VNA: Agilent E5071C
- .3D Turning Table and Positioner
- .ADT Solution 3D Testing Software



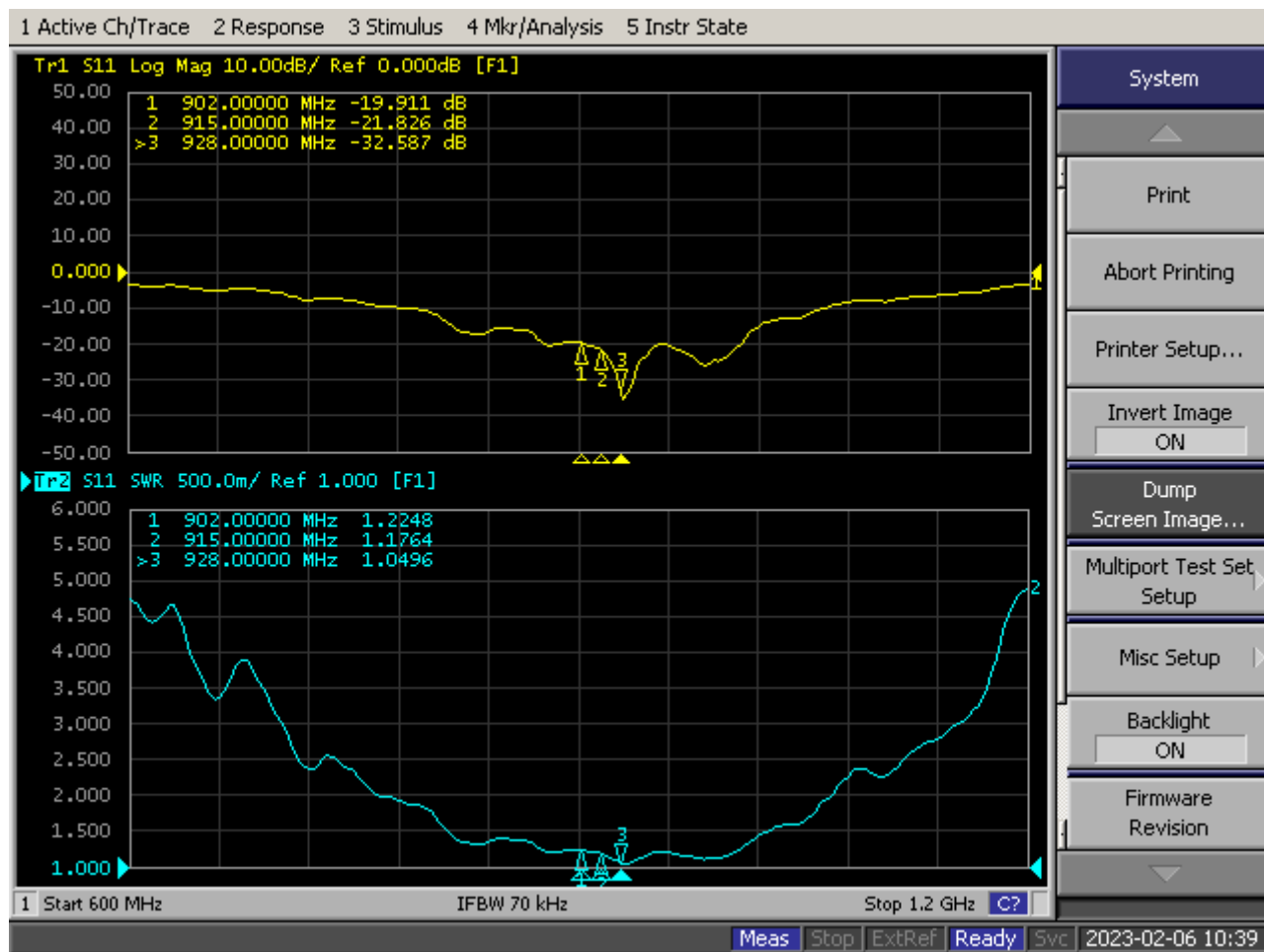


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## 2. Antenna - S Parameter Test Data

### 2.1 VSWR





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## 2.2 Total Efficiency & Gain:

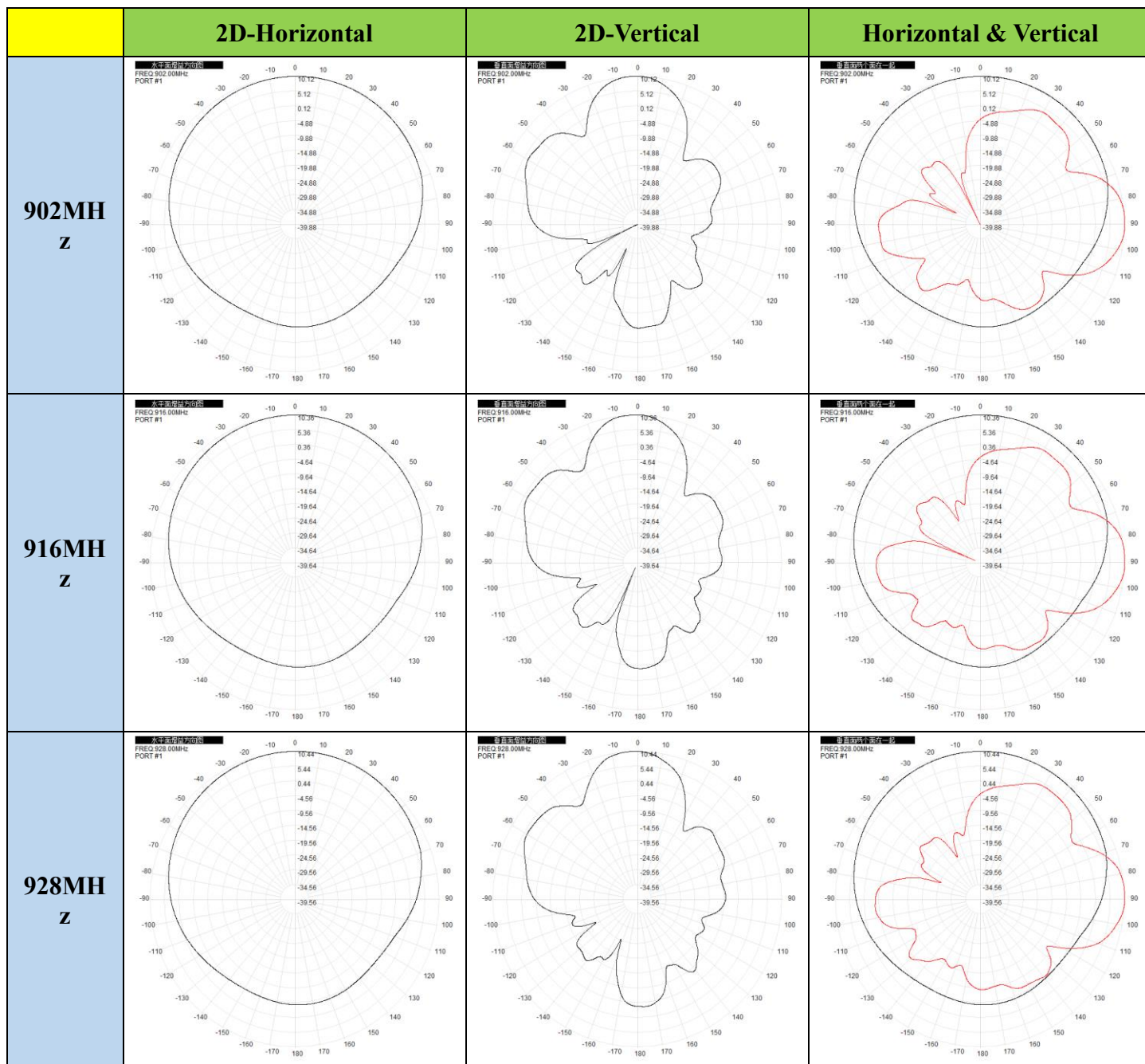
Frequency(MHz)	Gain(dBi)
902	10.1
904	10.1
906	10.2
908	10.2
910	10.3
912	10.3
914	10.3
916	10.4
918	10.4
920	10.5
922	10.4
924	10.4
926	10.4
928	10.4



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### 2.3 Radiation Pattern





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### 3. Mechanical Drawing

