




Product Number: BGS-AN0902-29020540G

Product Name: RFID Flat Panel Antenna 902-928MHz 9dBi

## 1. Specification

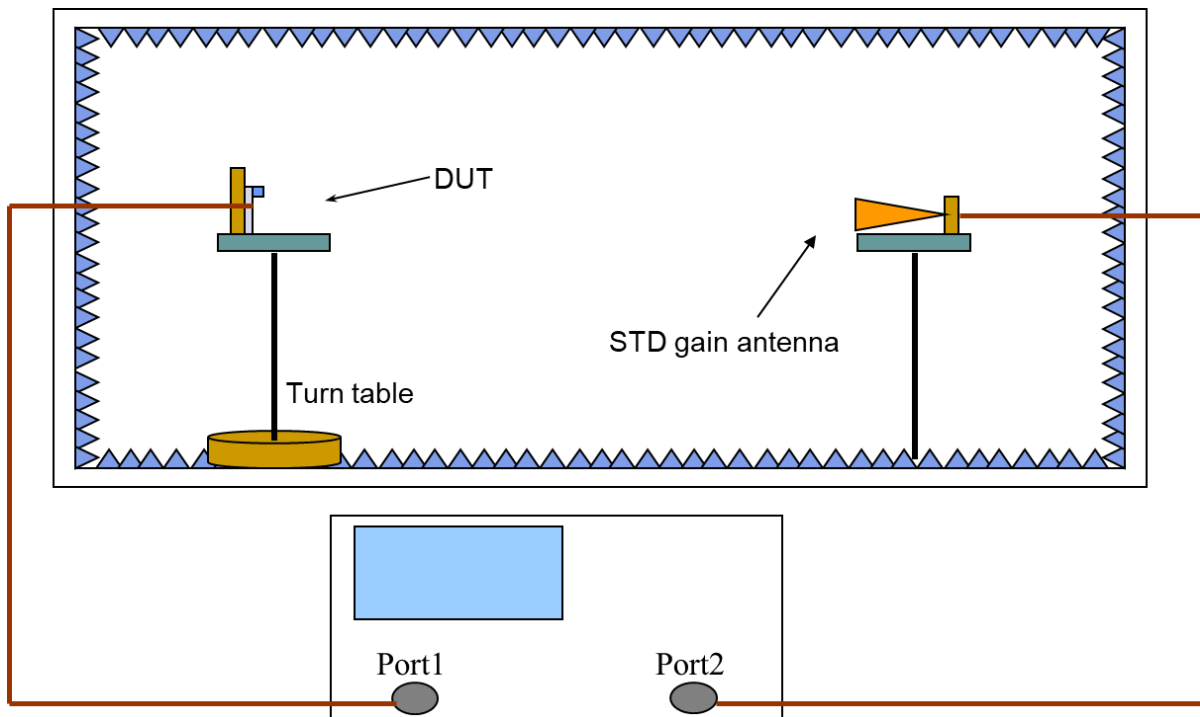
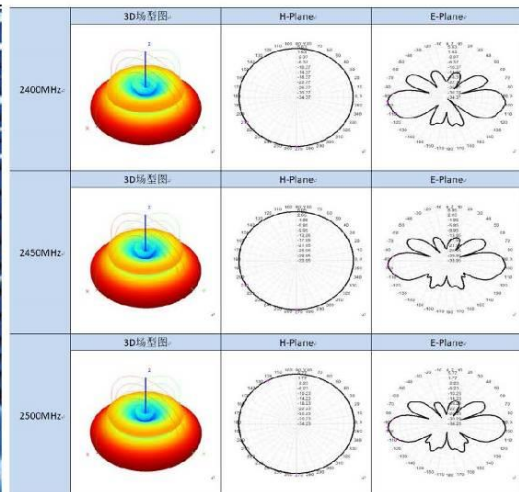
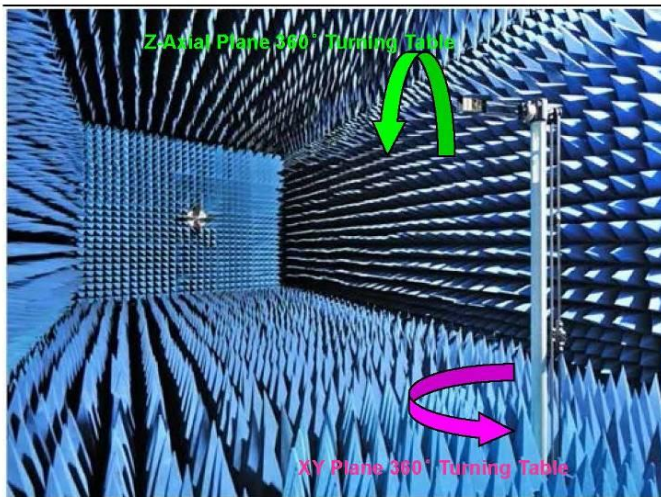
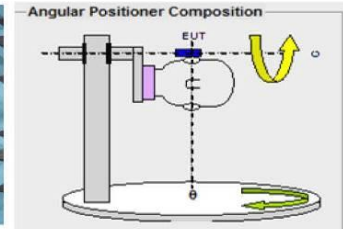
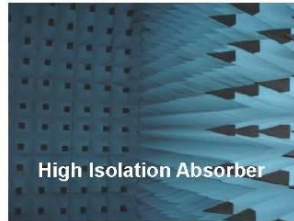
Sample Photo	
	
A. Electrical Characteristics	
Frequency	902-928MHz
S.W.R.	<1.5
Antenna Gain	9dBi
Polarization	DHCP
Horizontal Beamwidth	75-79°
Vertical Beamwidth	60-63°
F/B	>17dB
Impedance	50Ohm
Max. Power	50W
B. Material & Mechanical Characteristics	
Connector Type	N connector
Dimension	290*205*40mm
Radome material	ABS
Weight	1.25Kg
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



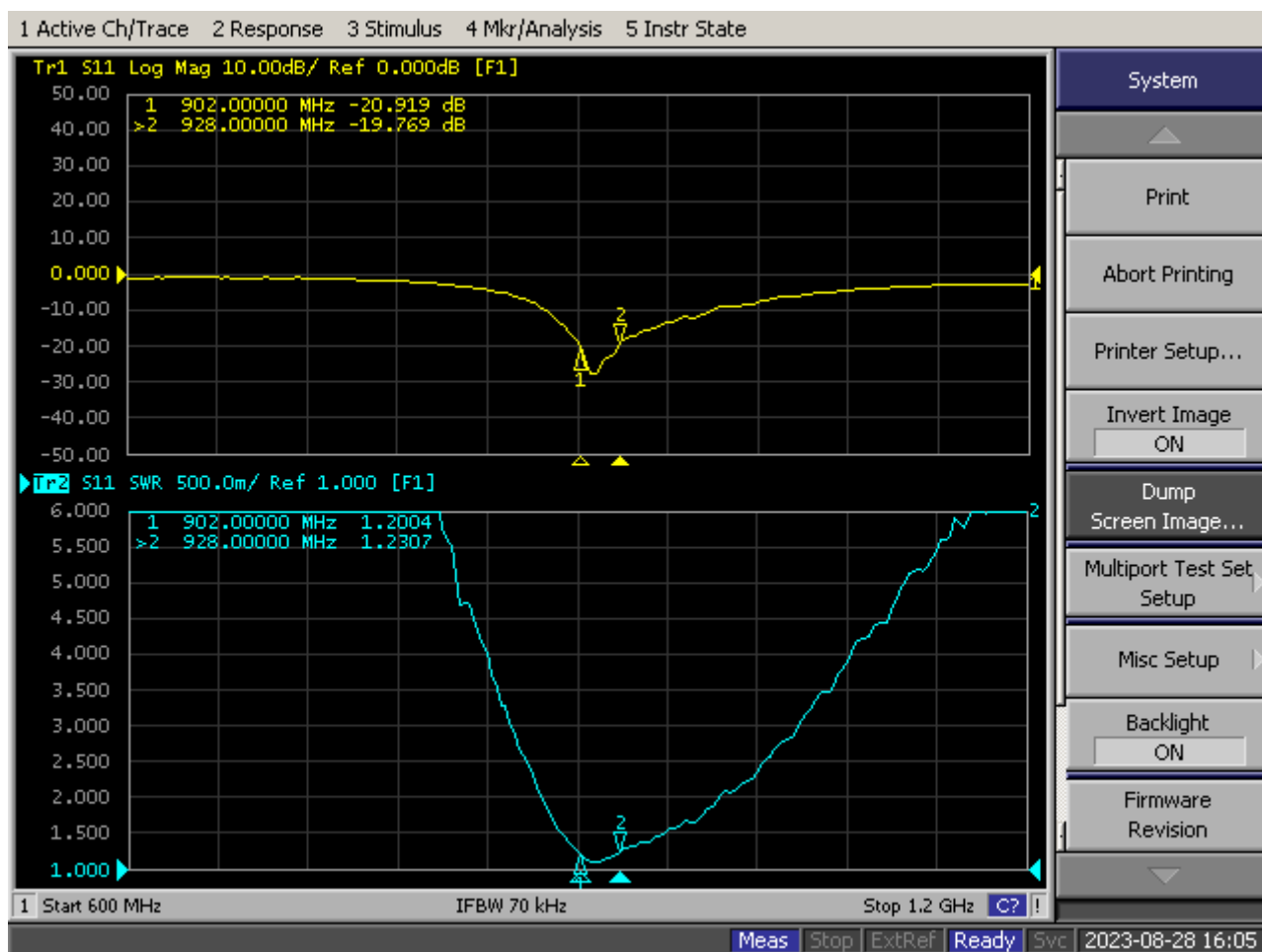


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## 2. Antenna - S Parameter Test Data

### 2.1 VSWR





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## **2.2 Gain:**

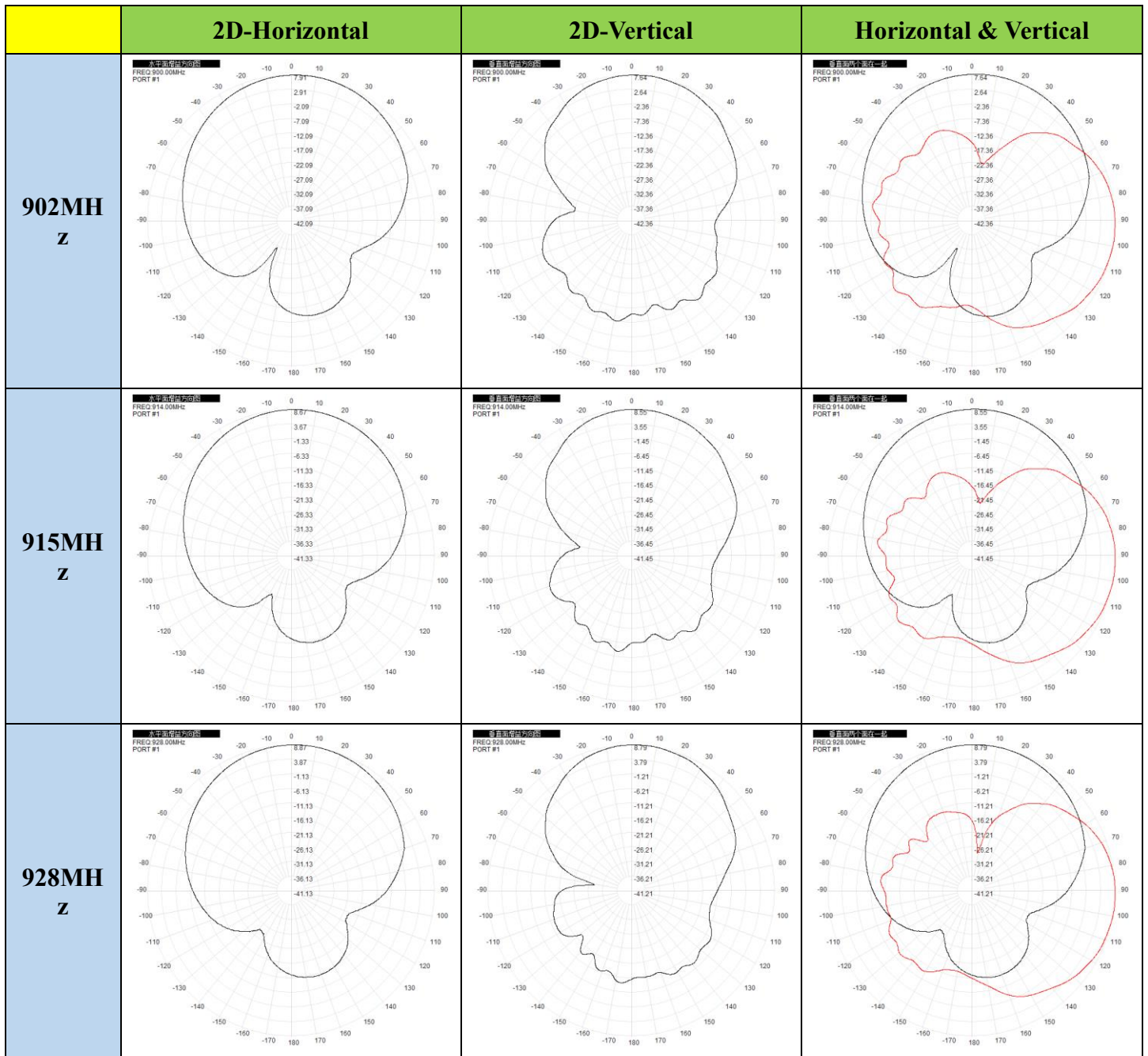
Frequency(MHz)	Gain(dBi)
900	7.9
902	8.0
904	8.2
906	8.3
908	8.5
910	8.6
912	8.6
914	8.7
916	8.7
918	8.8
920	8.8
922	8.8
924	8.7
926	8.8
928	8.9
930	9.0



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### 2.3 Radiation Pattern

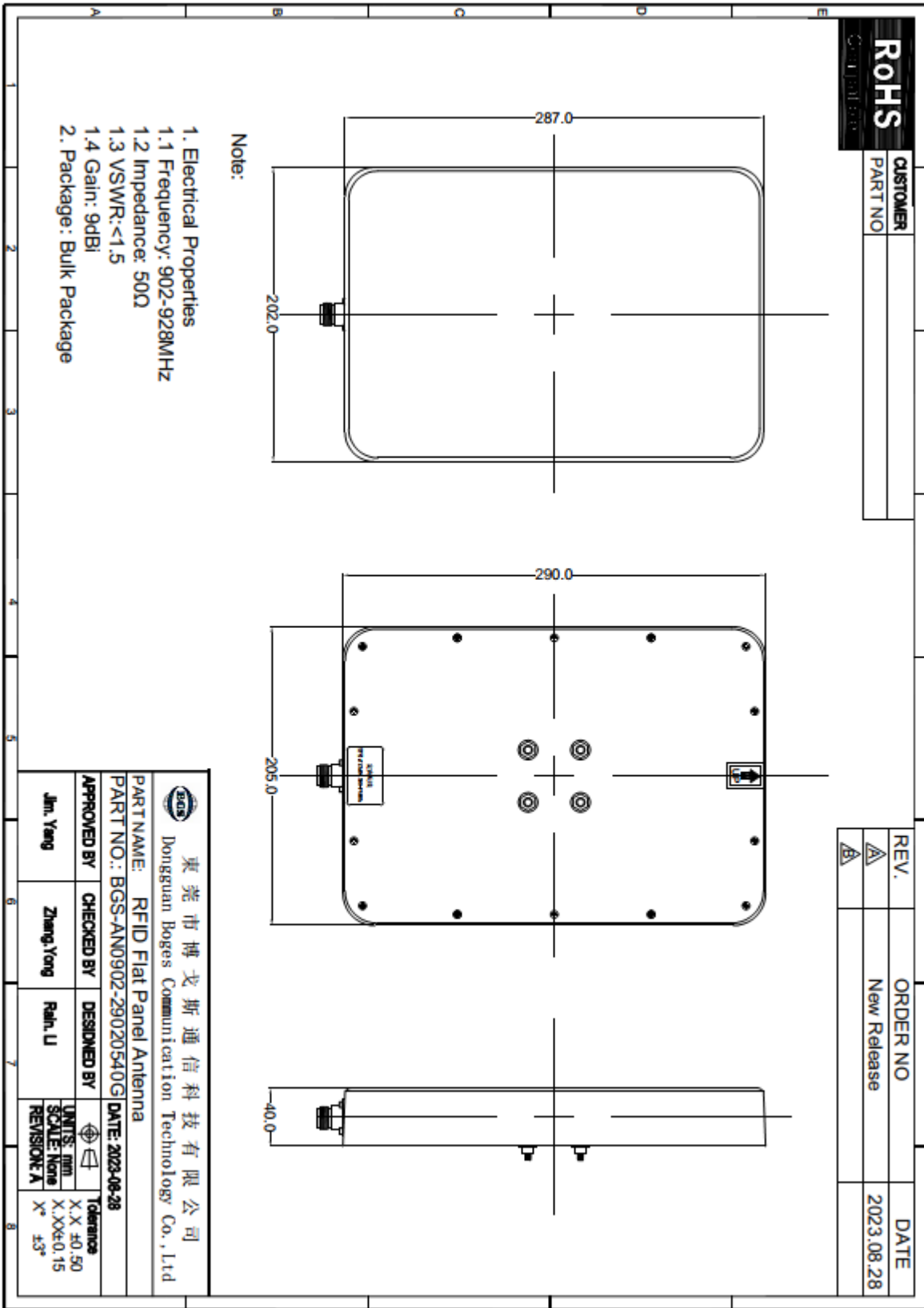




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### 3. Mechanical Drawing





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