




Product Number: BGS-AN0902-18618628G

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

1. Specification

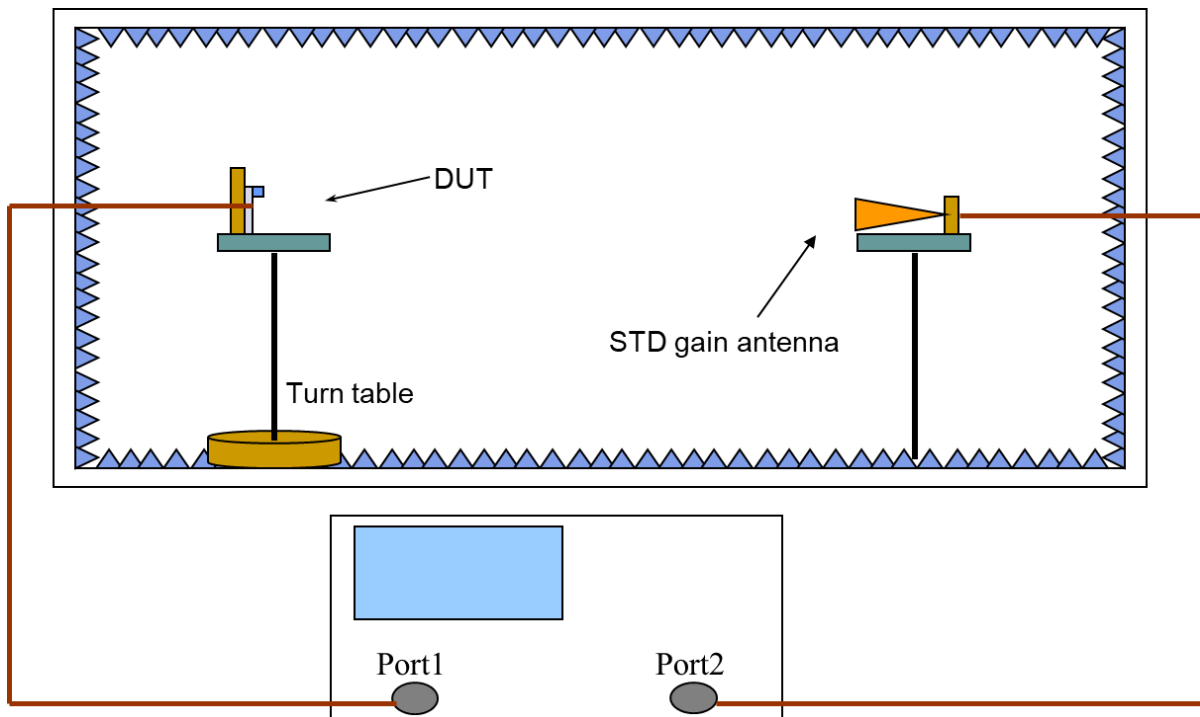
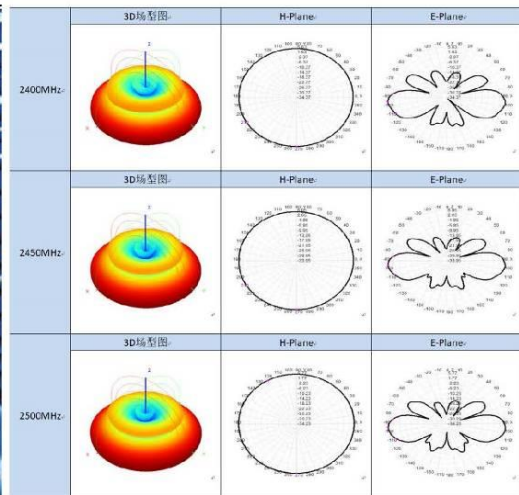
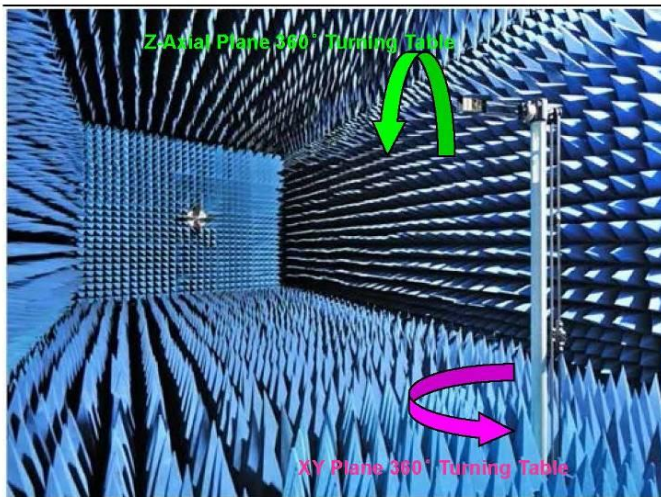
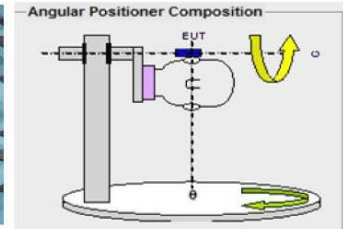
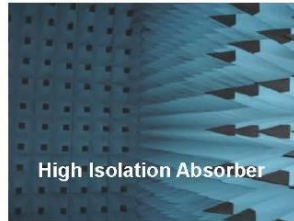
Sample Photo	
	
A. Electrical Characteristics	
Frequency	902-928MHz
S.W.R.	<1.5
Antenna Gain	9dBi
Polarization	DHCP
Horizontal Beamwidth	76-78°
Vertical Beamwidth	69-73°
F/B	>15dB
Impedance	50Ohm
Max. Power	50W
B. Material & Mechanical Characteristics	
Connector Type	N connector
Dimension	186*186*28mm
Radome material	ABS
Weight	0.65Kg
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 m³
- .Freq. Range: 0.4 ~ 18.0 GHz
- .Double Ridge Horn Antenna
- .VNA: Agilent E5071C
- .3D Turning Table and Positioner
- .ADT Solution 3D Testing Software



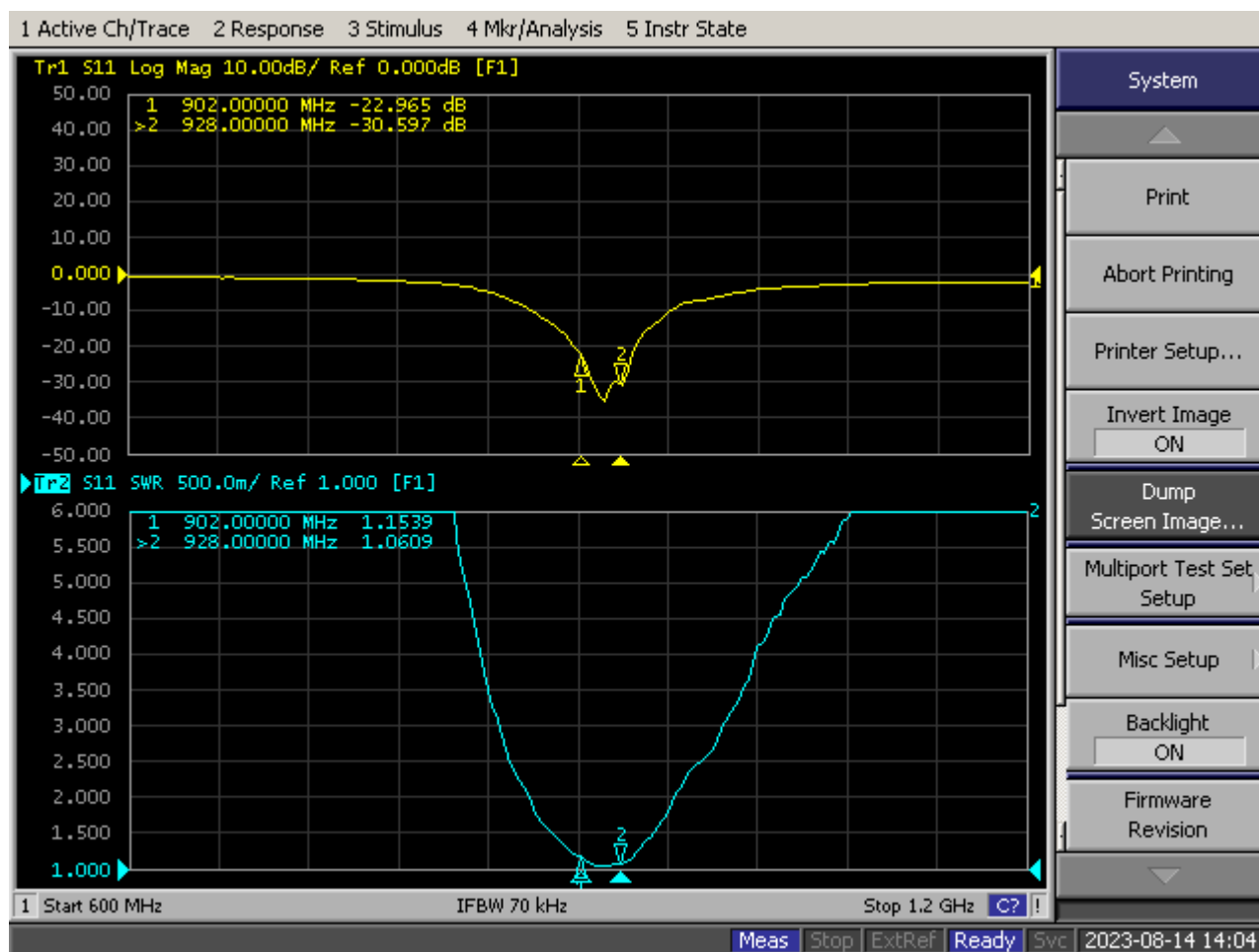


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2. Antenna - S Parameter Test Data

2.1 VSWR





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2.2 Total Efficiency & Gain:

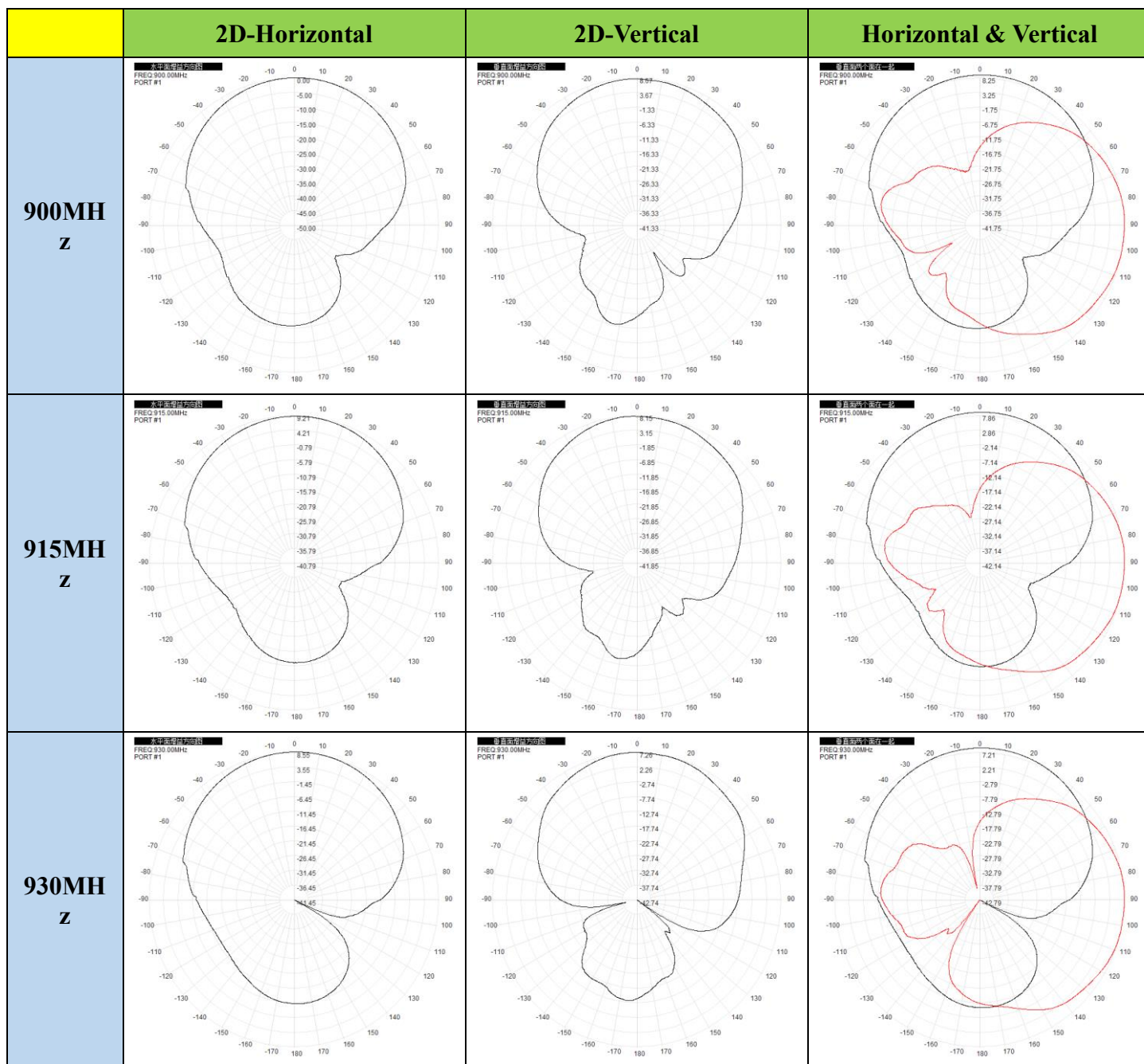
Frequency(MHz)	Gain(dBi)
900	9.2
905	9.3
910	9.2
915	8.9
920	8.9
925	8.5
930	8.7



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2.3 Radiation Pattern

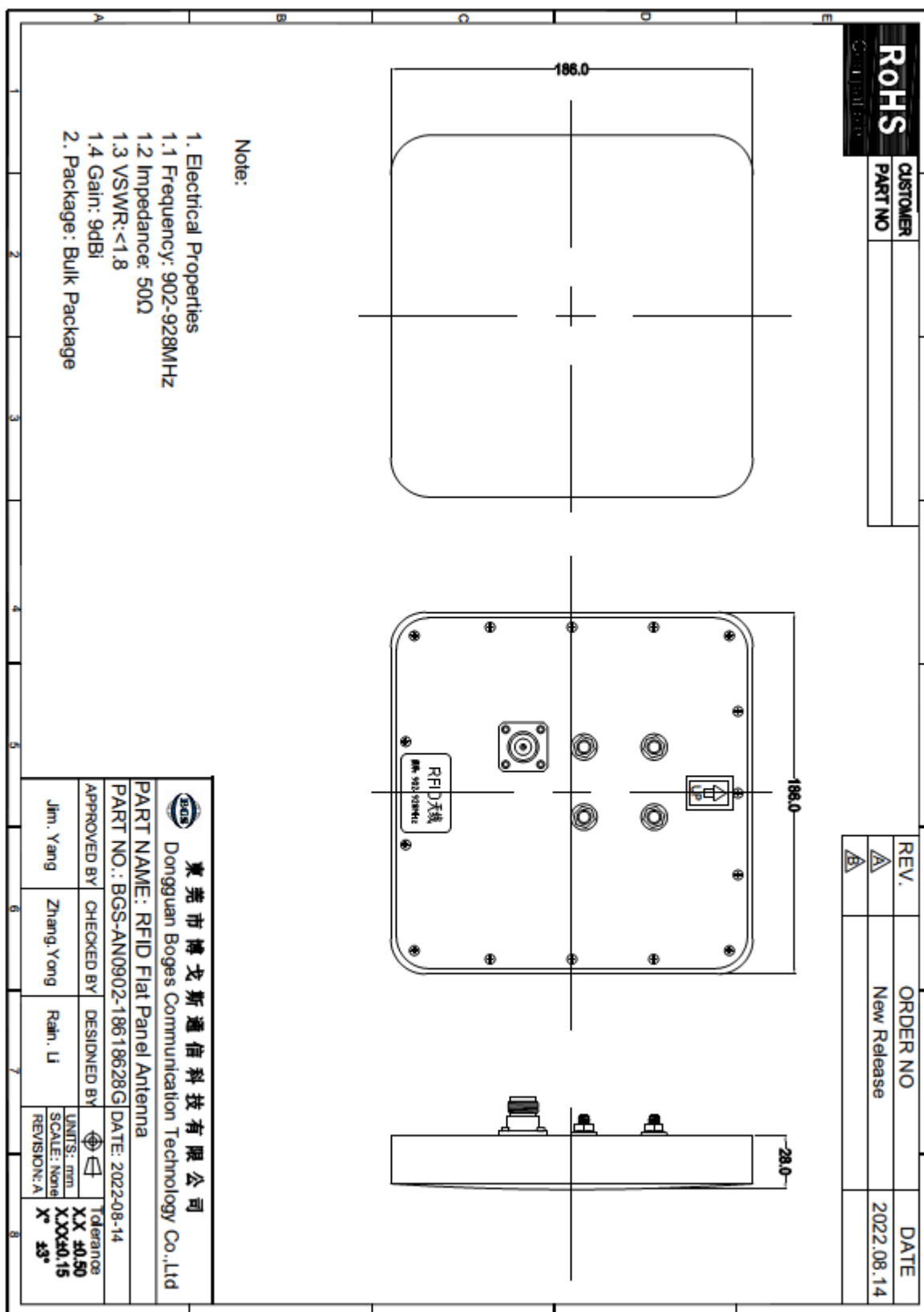




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3. Mechanical Drawing





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