





Product Number: BGS-AN0902-30530525G

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

1. Specification

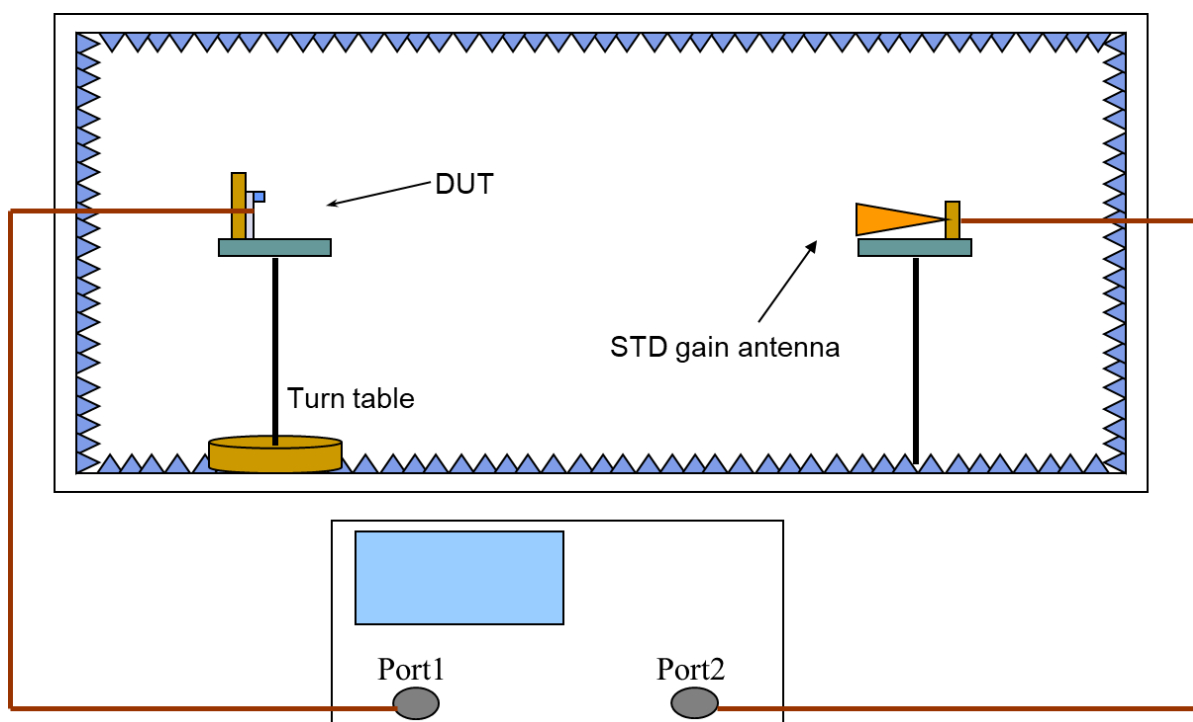
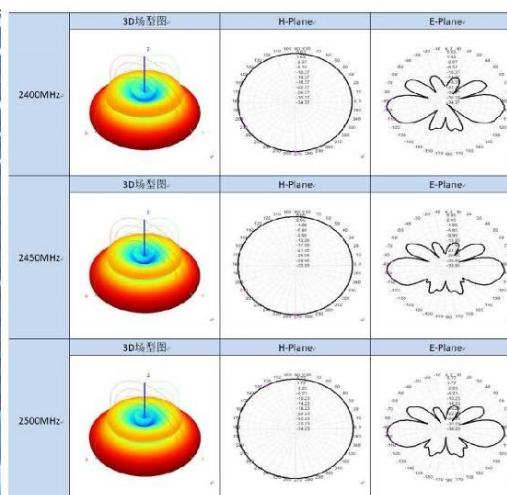
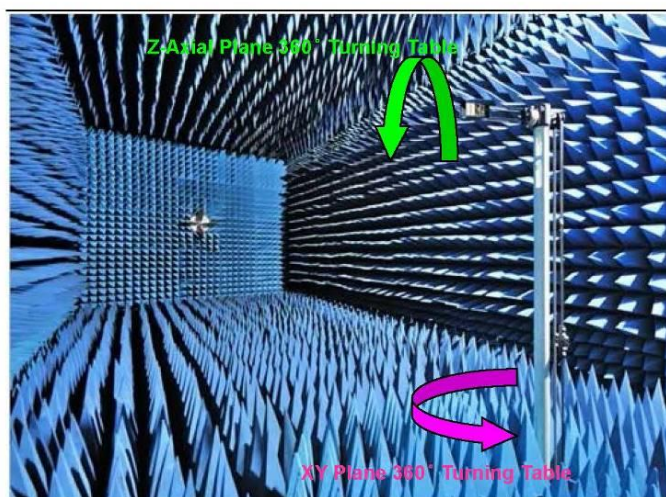
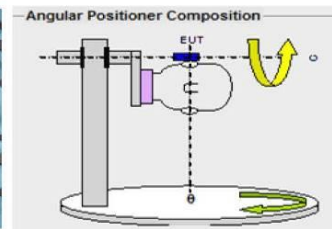
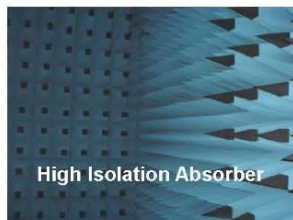
Sample Photo	
	
A. Electrical Characteristics	
Frequency	902-928MHz
S.W.R.	<1.5
Antenna Gain	10dBi
Polarization	Linear
Horizontal Beamwidth	63-65°
Vertical Beamwidth	51-54°
F/B	>20dB
Impedance	50Ohm
Max. Power	50W
B. Material & Mechanical Characteristics	
Connector Type	N connector
Dimension	305*305*25mm
Radome material	ABS
Weight	1.6Kg
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



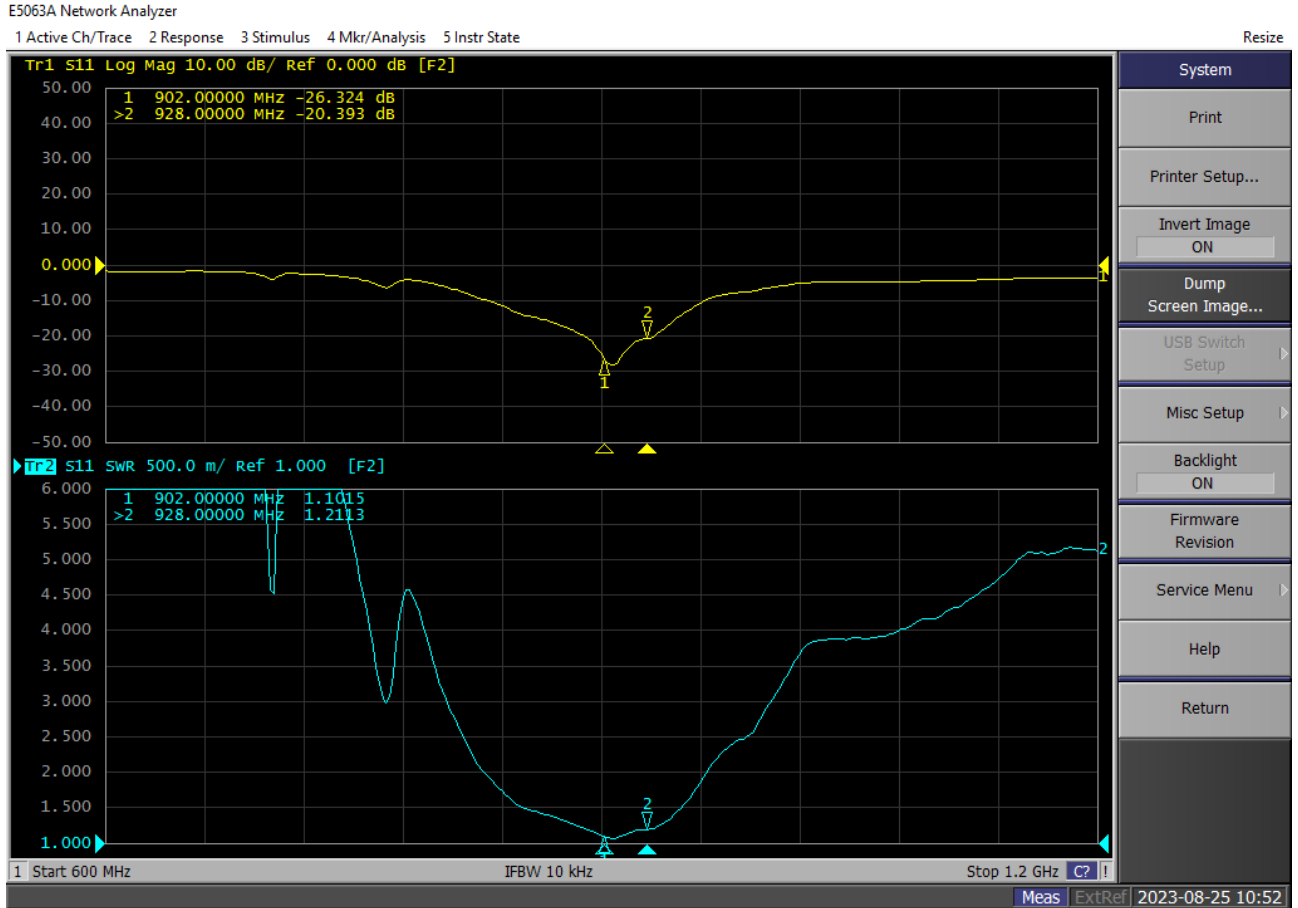


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2. Antenna - S Parameter Test Data

2.1 VSWR





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2.2 Total Efficiency & Gain:

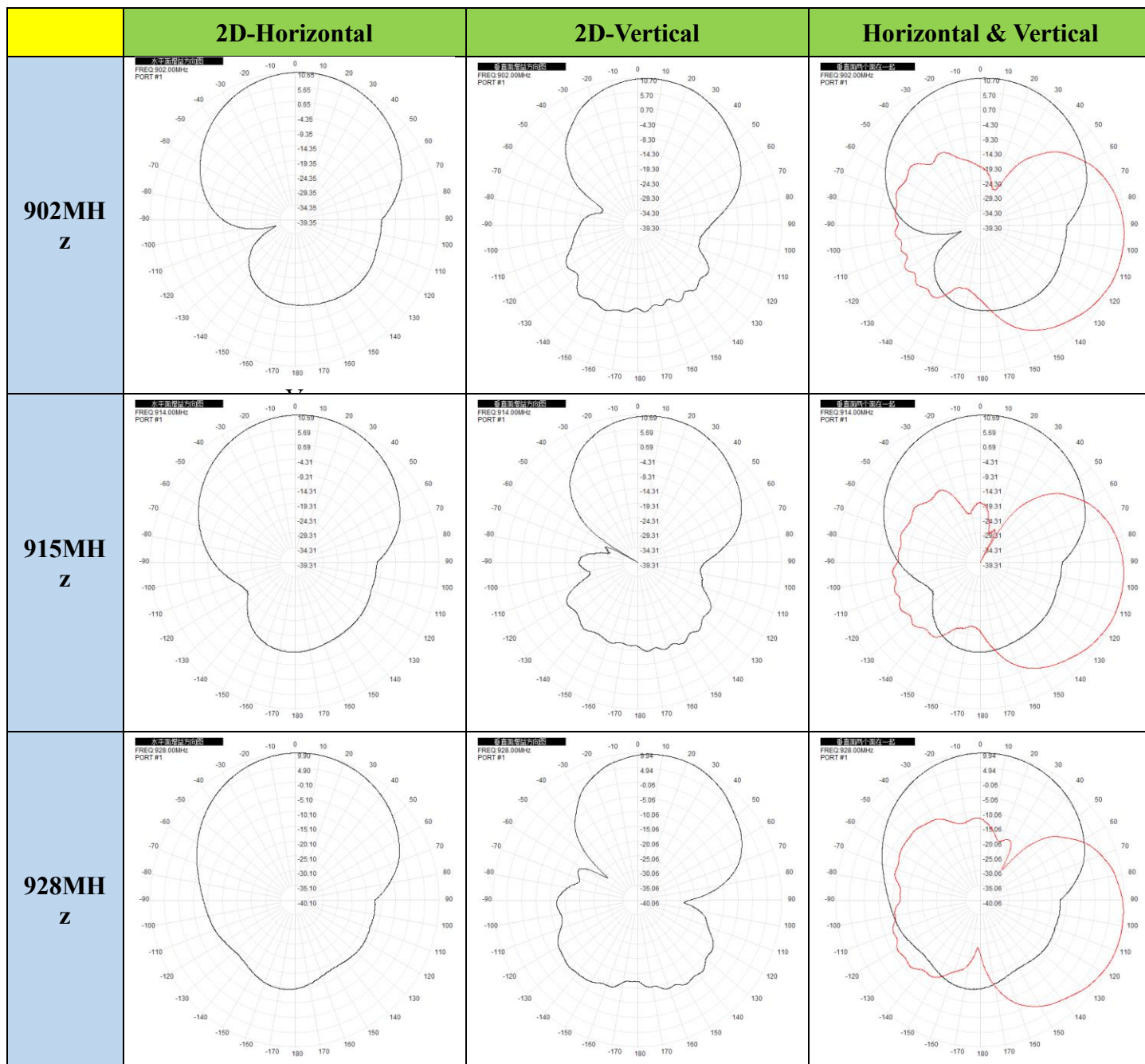
Frequency(MHz)	Gain(dBi)
900	10.6
902	10.7
904	10.7
906	10.8
908	10.8
910	10.8
912	10.8
914	10.7
916	10.6
918	10.5
920	10.4
922	10.3
924	10.1
926	10.0
928	9.9
930	9.9



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2.3 Radiation Pattern

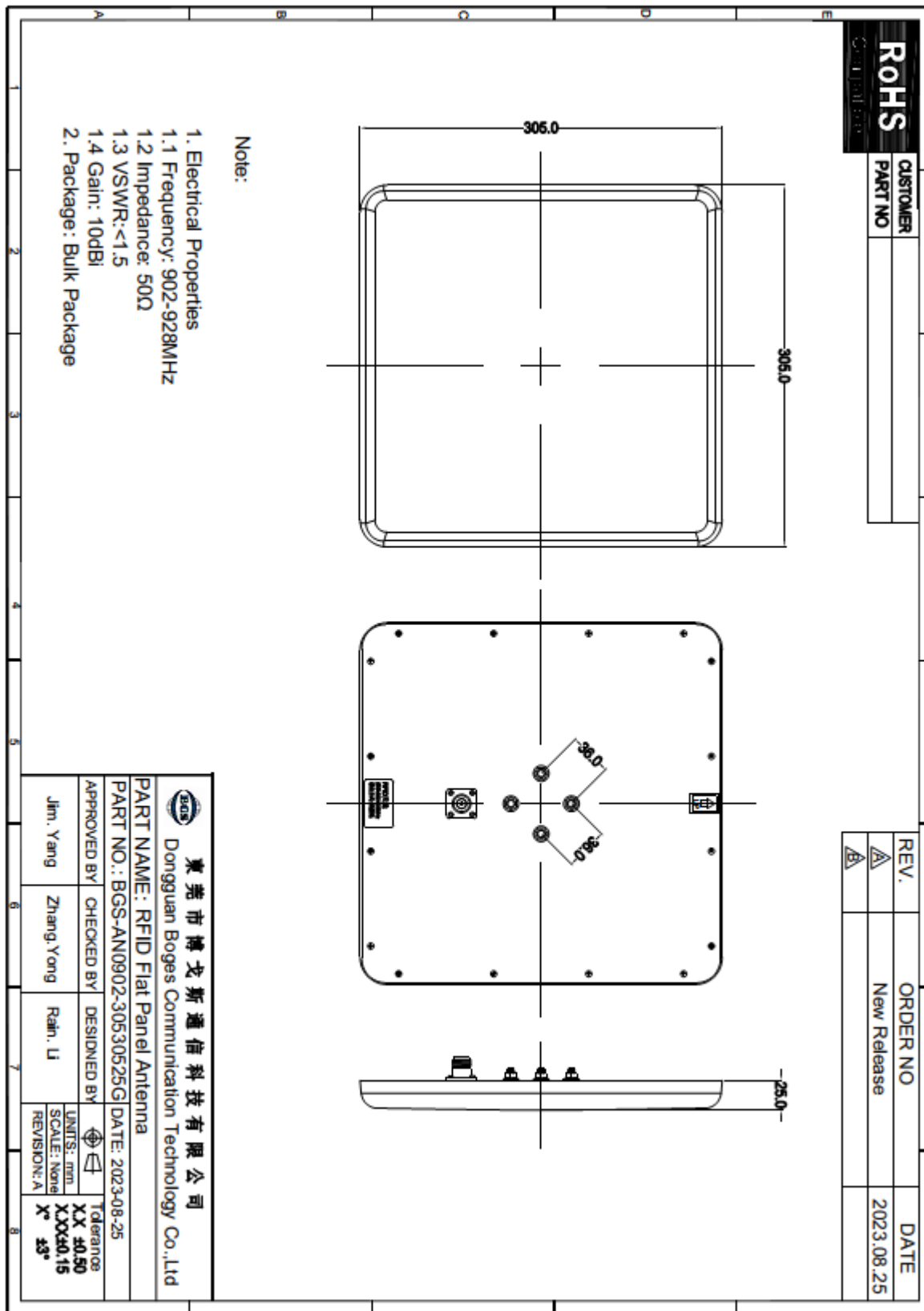




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3. Mechanical Drawing





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