



Product Number: BGS-AN0915-16200G
Product Name: Fiberglass Antenna 900-930MHz 2dBi

1. Specification

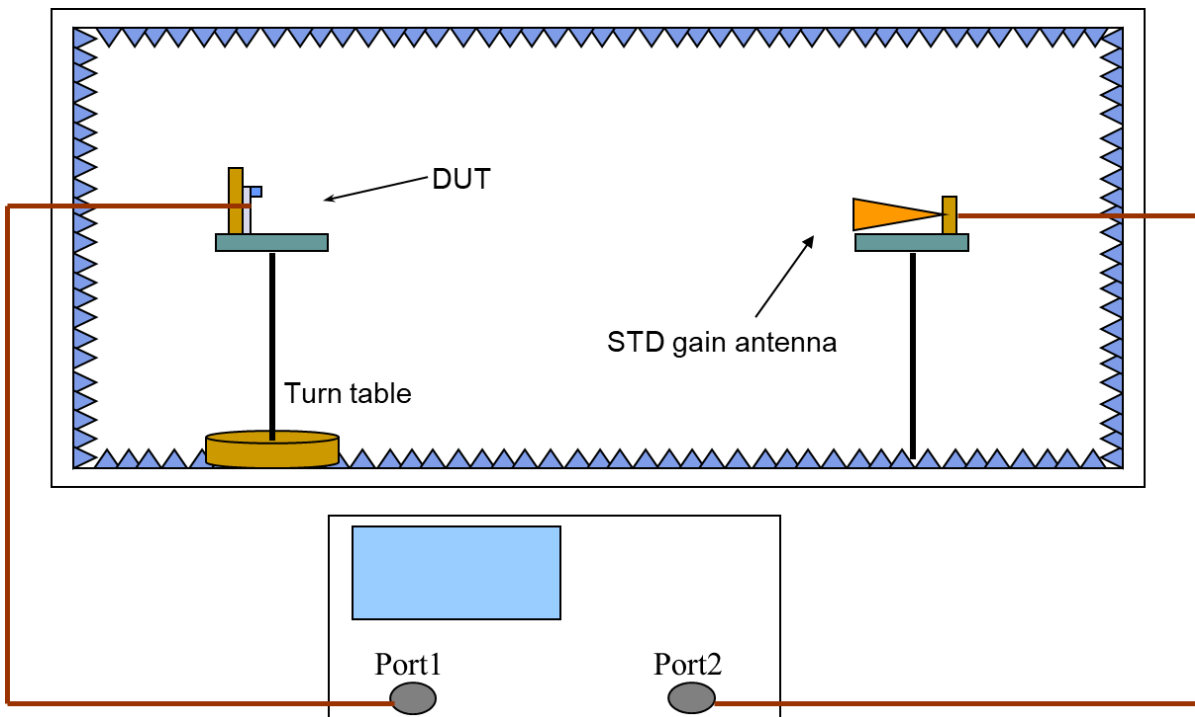
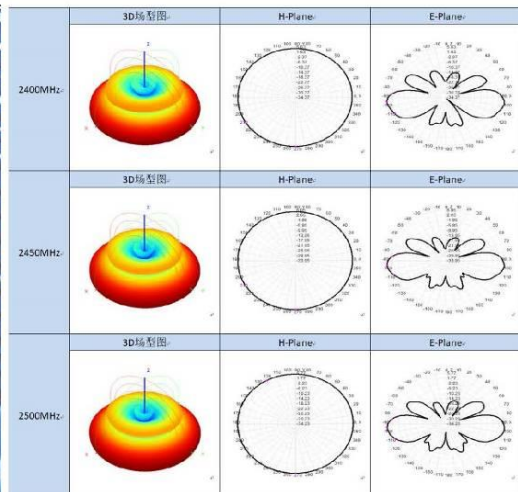
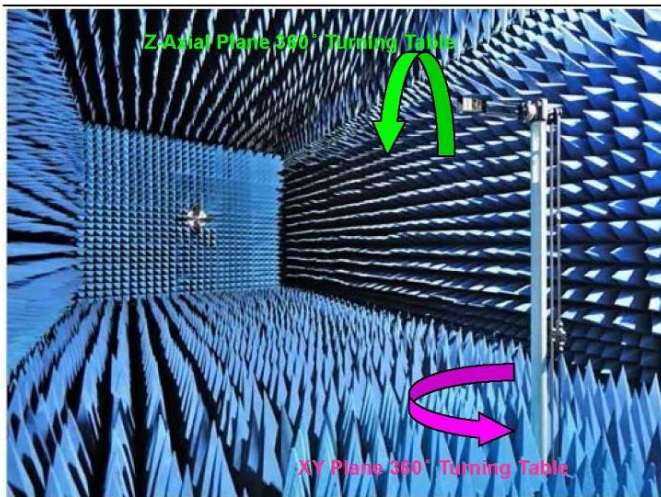
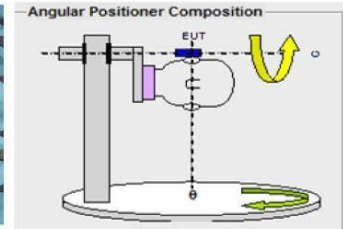
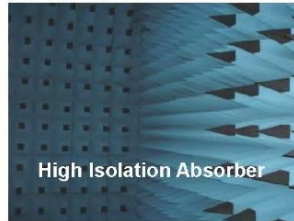
Sample Photo	
	
A. Electrical Characteristics	
Frequency	900-930MHz
Impedance	50 Ohm
S.W.R.	<1.5
Gain	2dBi
Efficiency	≈85%
Polarization	Linear
Horizontal Beamwidth	360°
Vertical Beamwidth	70°±5°
Max Power	50W
B. Material & Mechanical Characteristics	
Connector Type	N connector
Dimension	Φ 16*200mm
Weight	0.09Kg
Radome Materials	Fiberglass
C. Environmental	
Operation Temperature	- 40 °C ~ + 80 °C
Storage Temperature	- 40 °C ~ + 80 °C

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

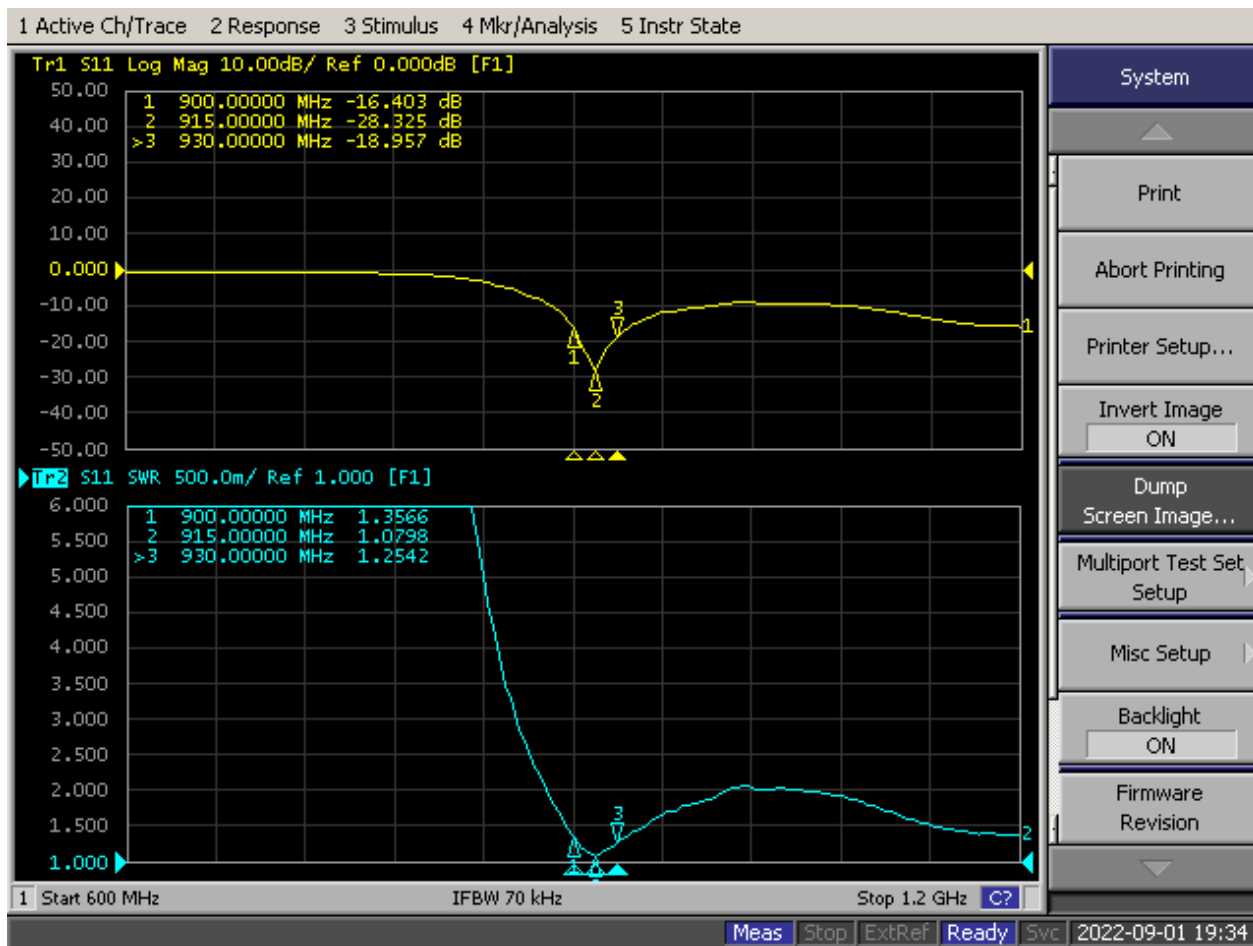




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2. Antenna - S Parameter Test Data

2.1. VSWR

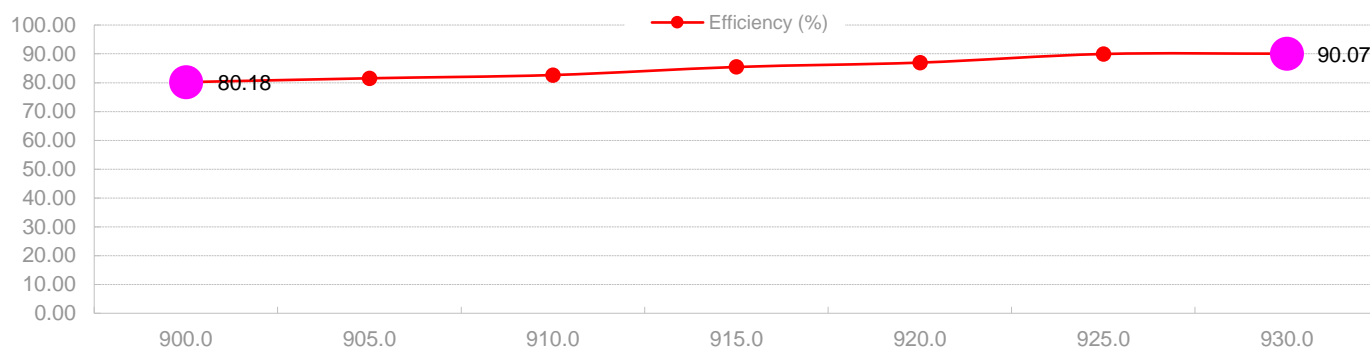




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2.2 Total Efficiency & Gain:

Frequency(MHz)	900.0	905.0	910.0	915.0	920.0	925.0	930.0
Gain (dBi)	1.84	2.01	2.10	2.23	2.24	2.34	2.34
Efficiency (%)	80.18	81.53	82.65	85.44	86.96	89.95	90.07





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2.3 Radiation Pattern

	3D	2D-Horizontal	2D-Vertical
900MHz			
915MHz			
930MHz			



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3. Mechanical Drawing

