


1. Specification

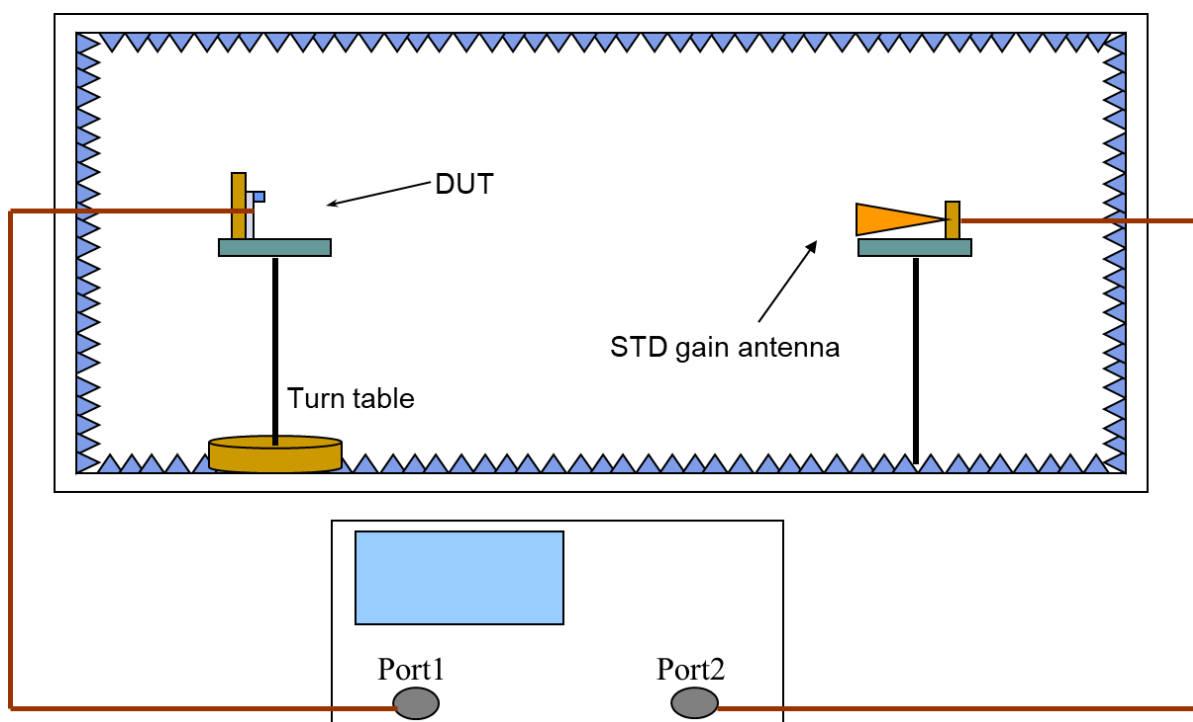
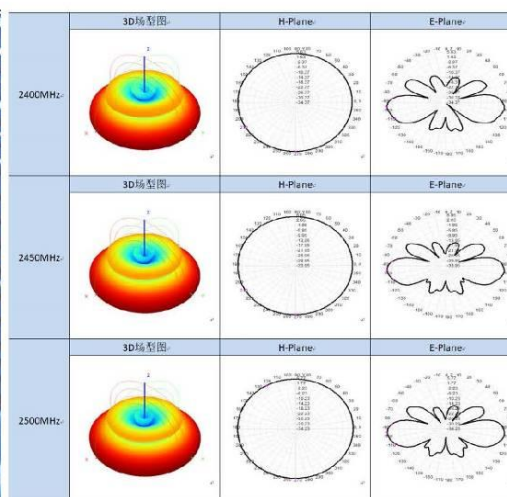
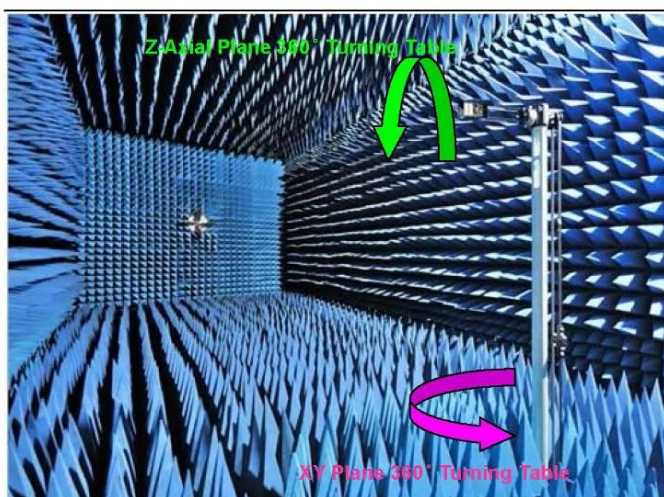
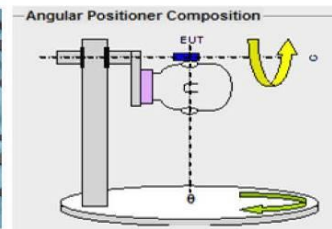
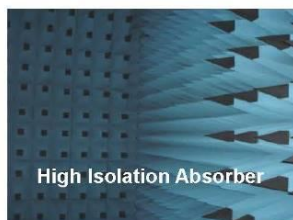
Sample Photo	
	
A. Electrical Characteristics	
Frequency	915MHz
Impedance	50 Ohm
S.W.R.	<1.5
Gain	3dBi
Efficiency	≈50%
Polarization	Linear
Horizontal Beamwidth	360°
Vertical Beamwidth	28-29°
Max Power	50W
B. Material & Mechanical Characteristics	
Connector Type	SMA connector
Dimension	40mm
Weight	0.006Kg
Color	Black
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



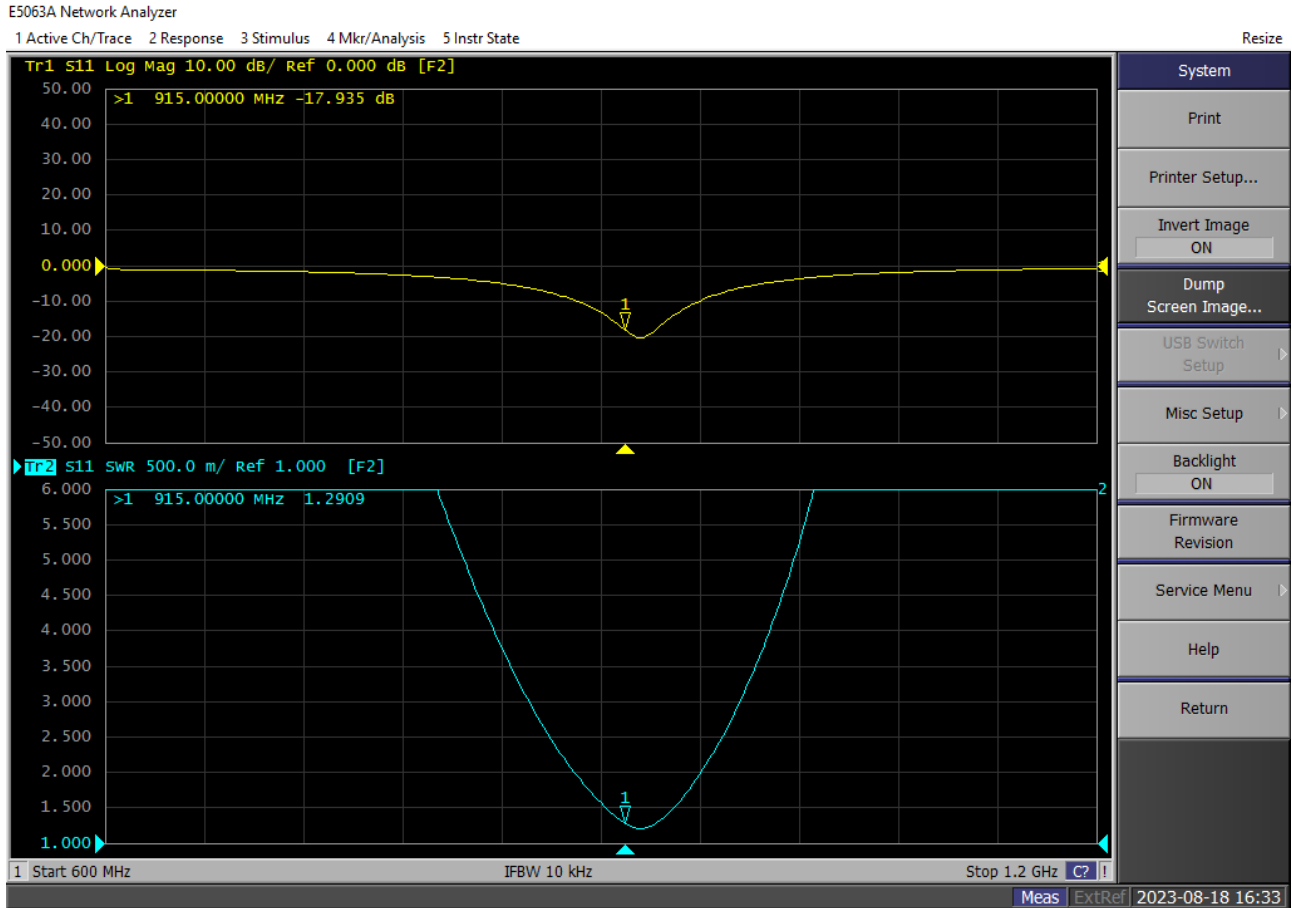


Product Number: BGS-AN0915-0840B

Product Name: 915MHz Antenna

2. Antenna - S Parameter Test Data

2.1. VSWR

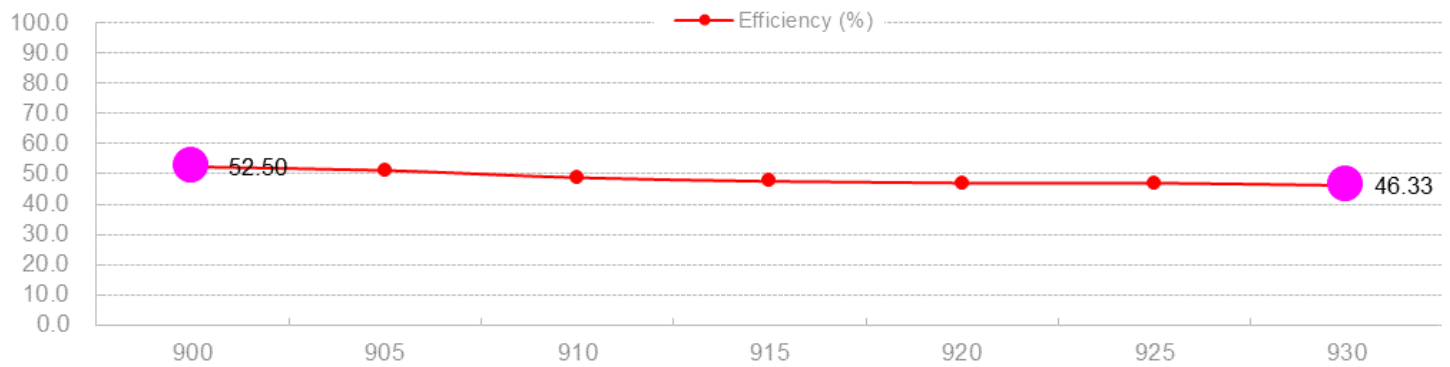




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2.2 Total Efficiency & Gain:

Frequency (MHz)	900	905	910	915	920	925	930
Gain (dBi)	3.6	3.5	3.3	3.2	3.1	3.0	2.8
Efficiency (%)	52.5	51.3	48.9	47.7	47.1	47.1	46.3





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2.3 Radiation Pattern

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



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3. Mechanical Drawing

