




Product Number: BGS-AN0370-20800B
Product Name: Gooseneck Antenna 340-370MHz

1. Specification

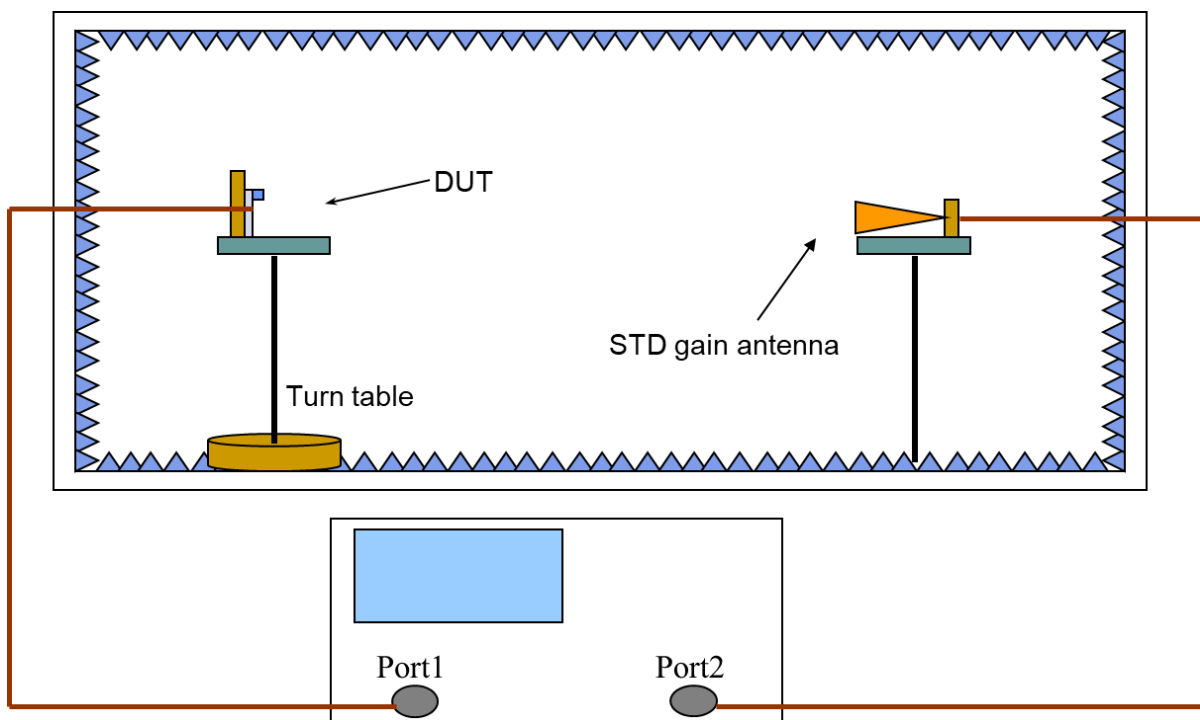
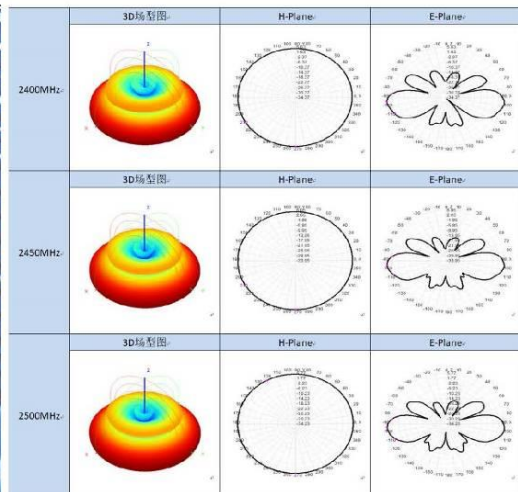
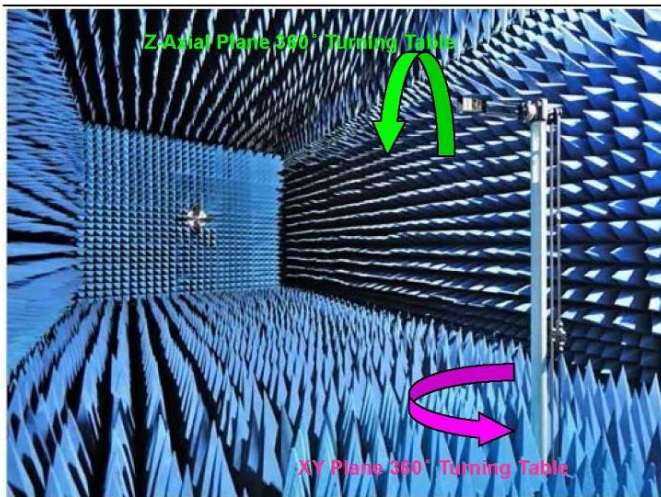
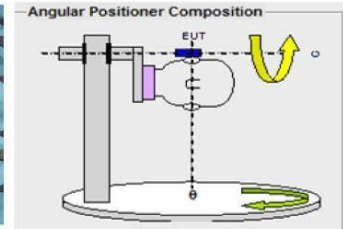
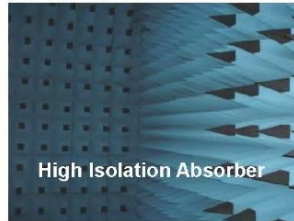
Sample Photo	
	
A. Electrical Characteristics	
Frequency	340-370MHz
Impedance	50 Ohm
S.W.R.	<2.0
Gain	1.5dBi
Efficiency	≈70%
Polarization	Linear
Horizontal Beamwidth	360°
Vertical Beamwidth	44-84°
Max Power	50W
B. Material & Mechanical Characteristics	
Connector Type	TNC connector
Dimension	Φ 20*800mm
Weight	0.278Kg
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

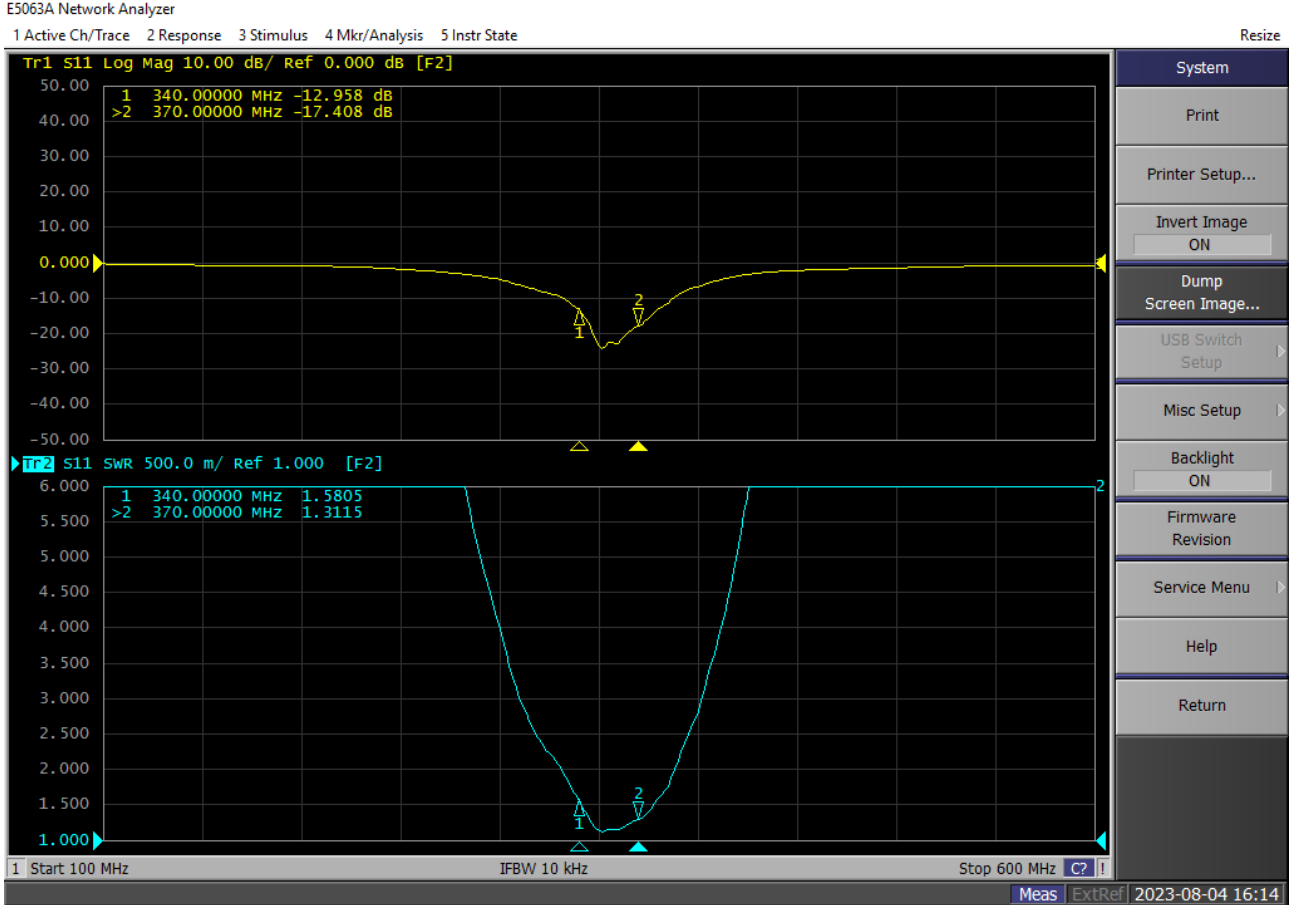




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2. Antenna - S Parameter Test Data

2.1. VSWR

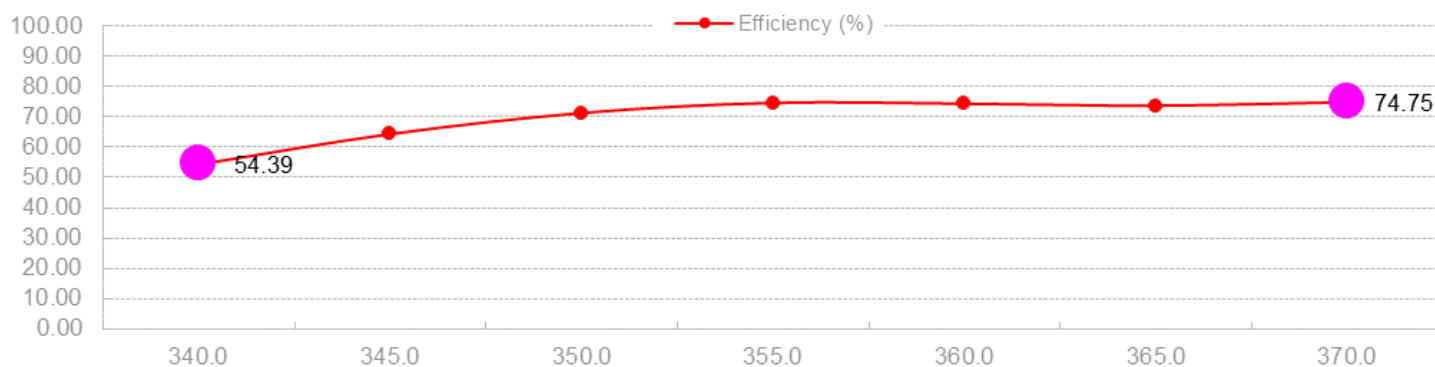




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2.2 Total Efficiency & Gain:

Frequency(MHz)	340.0	345.0	350.0	355.0	360.0	365.0	370.0
Gain (dBi)	1.42	1.69	1.51	1.40	1.28	1.20	1.17
Efficiency (%)	54.39	64.33	71.20	74.51	74.25	73.59	74.75





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2.3 Radiation Pattern

	3D	2D-Horizontal	2D-Vertical
340MHz			
355MHz			
370MHz			



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3. Mechanical Drawing

