


1. Specification

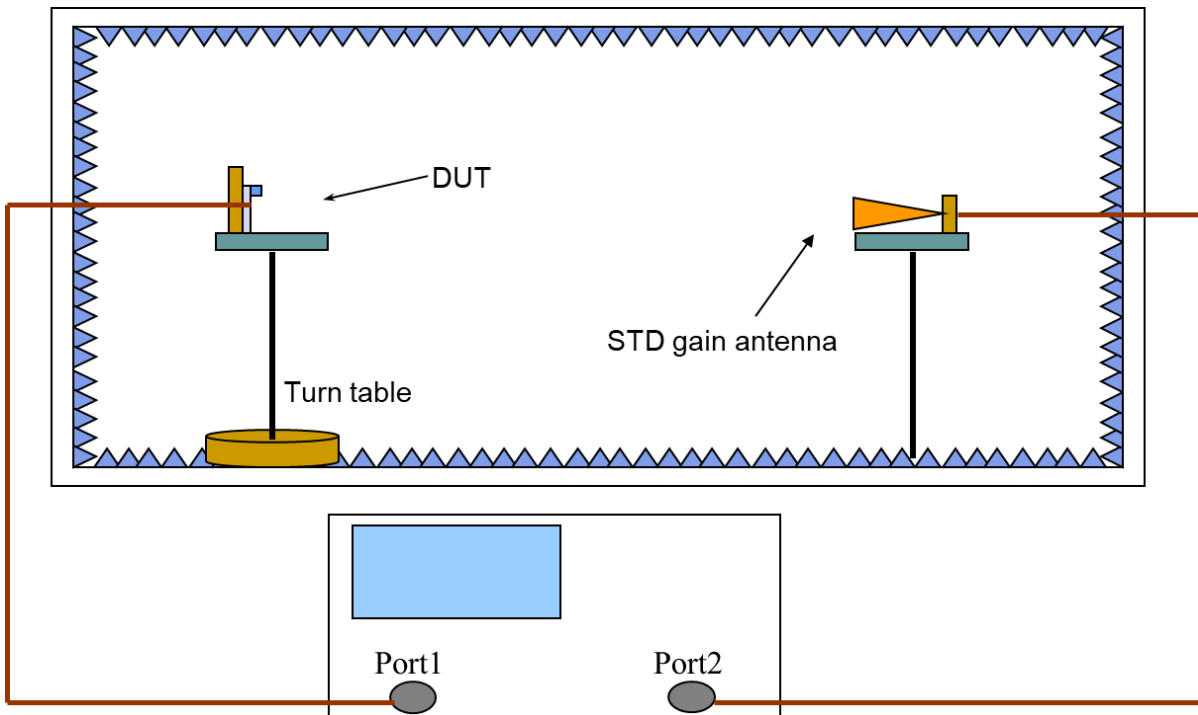
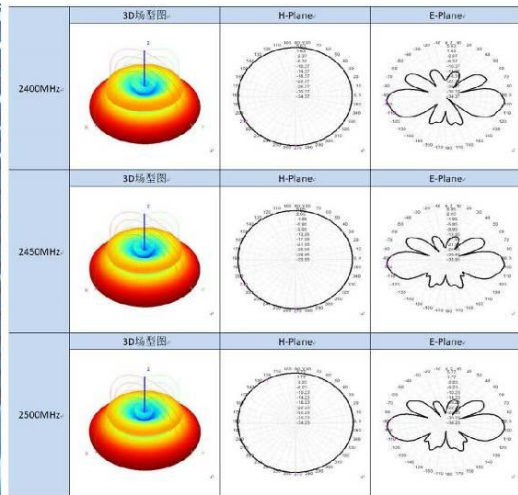
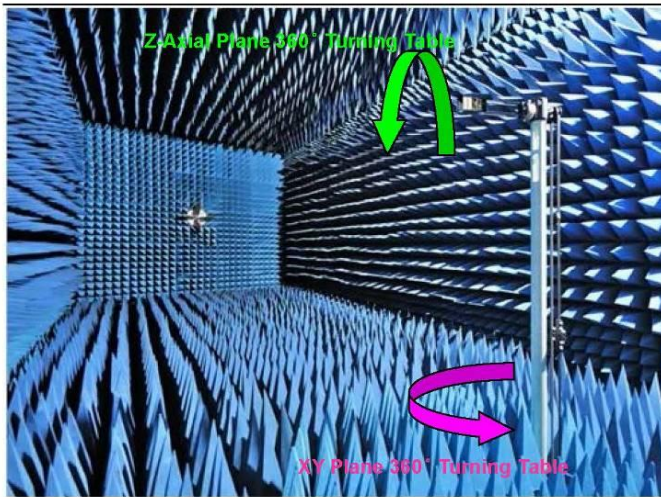
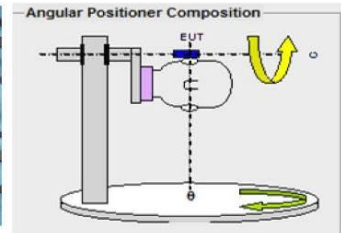
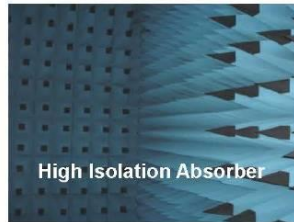
Sample Photo	
	
A. Electrical Characteristics	
Frequency	6700-7200MHz
S.W.R.	≤ 1.5
Antenna Gain	6dBi
Efficiency	$\approx 50\%$
Polarization	Linear
Horizontal Beamwidth	360°
Vertical Beamwidth	14-17°
Impedance	50 Ohm
B. Material & Mechanical Characteristics	
Connector Type	N Connector
Dimension	$\phi 20 \times 300\text{mm}$
Weight	0.1Kg
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

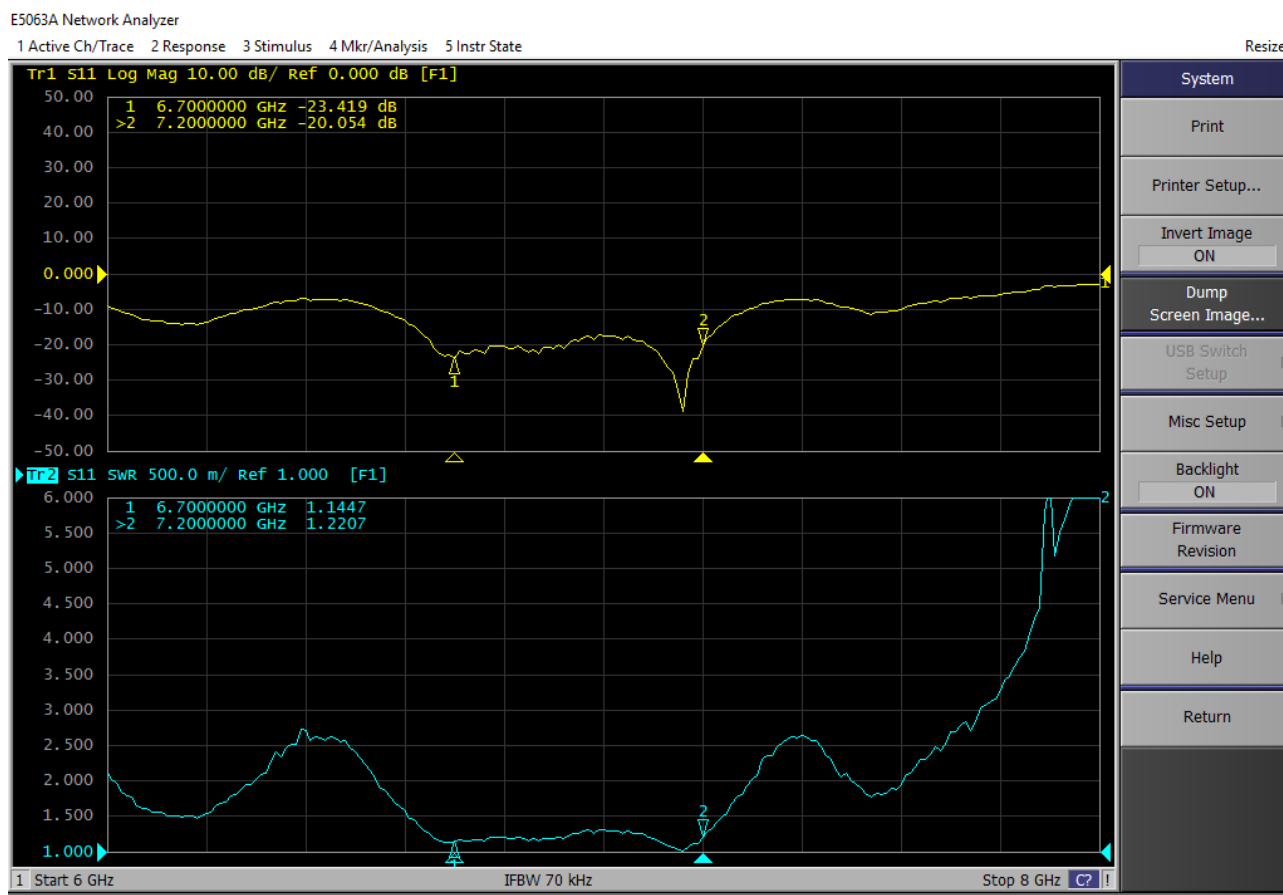




Product Number: BGS-AN6700-20300B
Product Name: 6700-7200MHz Gooseneck Antenna

2. Antenna - S Parameter Test Data

2.1. VSWR

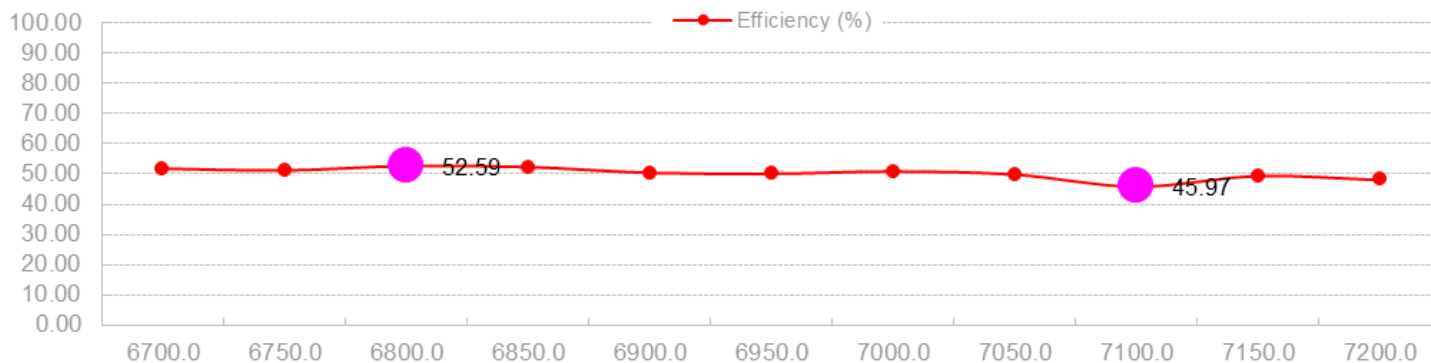




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2.2. Total Efficiency & Gain:

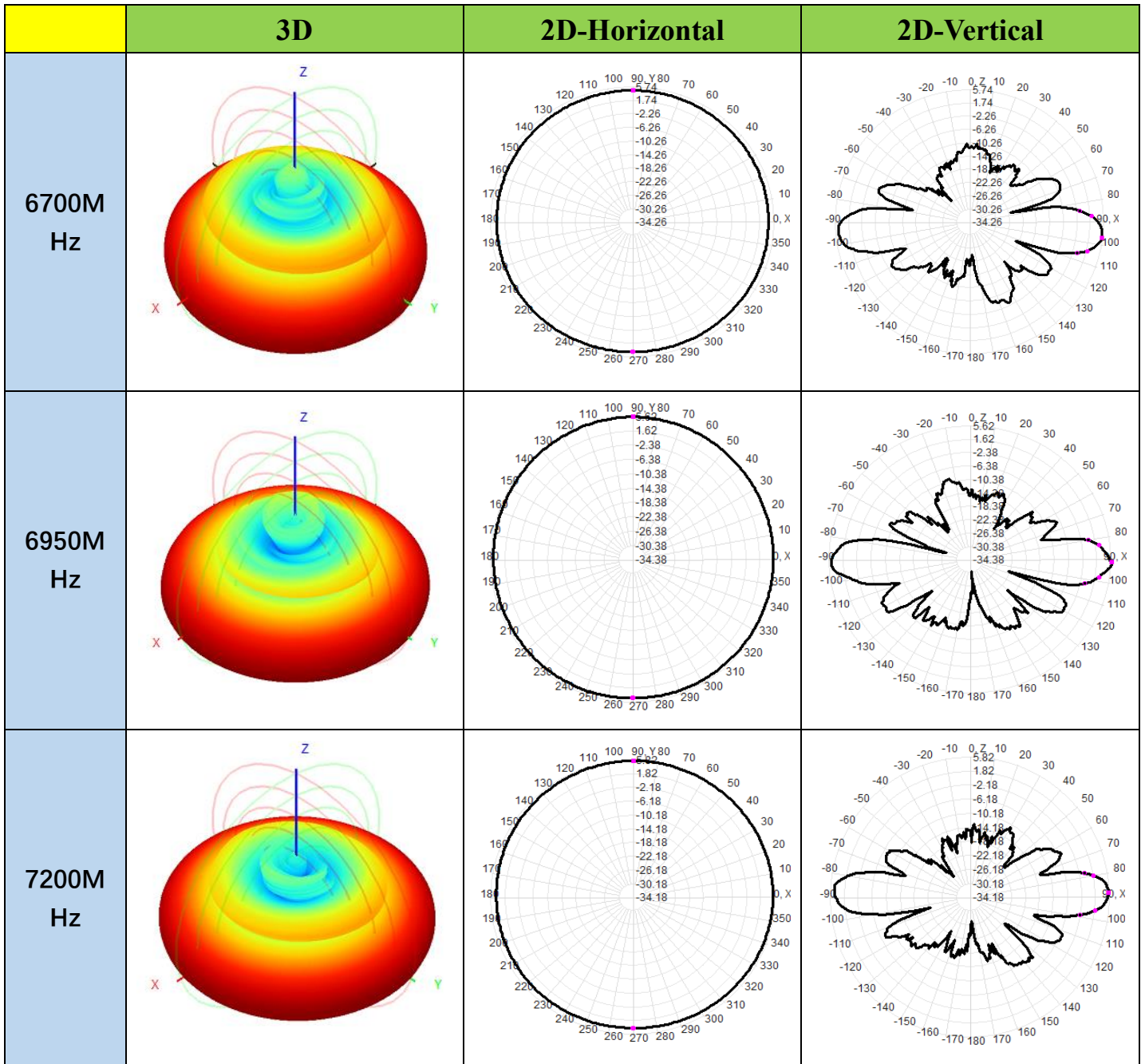
Frequency(MHz)	6700.0	6750.0	6800.0	6850.0	6900.0	6950.0	7000.0	7050.0	7100.0	7150.0	7200.0
Gain (dBi)	5.74	5.62	5.70	5.73	5.55	5.62	5.81	5.80	5.50	5.88	5.82
Efficiency (%)	51.76	51.19	52.59	52.26	50.41	50.13	50.86	49.87	45.97	49.37	48.09





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2.3 Radiation Pattern





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3. Mechanical Drawing

