

1. Specification

Sample Photo	
	
A. Electrical Characteristics	
Frequency	6700-7200MHz
Impedance	50 Ohm
S.W.R.	<1.5
Antenna Gain	6dBi
Efficiency	≈50%
Polarization	Linear
Horizontal Beamwidth	360°
Vertical Beamwidth	14~17°
Max Power	50W
B. Material & Mechanical Characteristics	
Connector Type	N connector
Dimension	Φ 16*300mm
Weight	0.1Kg
Radome material	Fiberglass
C. Environmental	
Operation Temperature	- 40 °C ~ + 80 °C
Storage Temperature	- 40 °C ~ + 80 °C
Rated Wind Velocity	36.9m/s
Lighting Protection	DC Ground

Product Number: BGS-AN7200-16300B

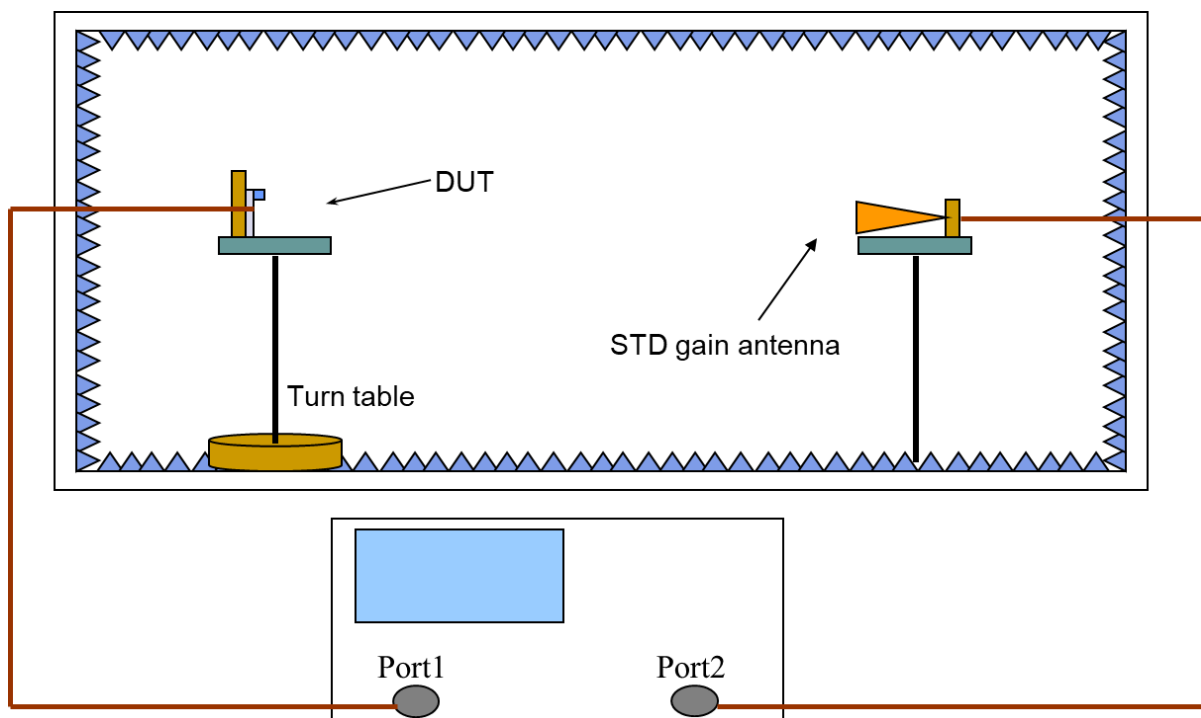
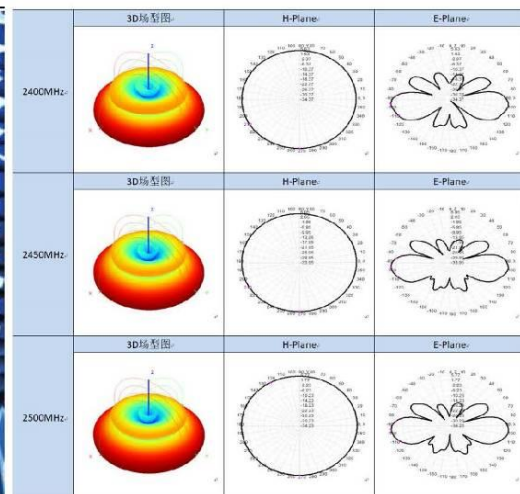
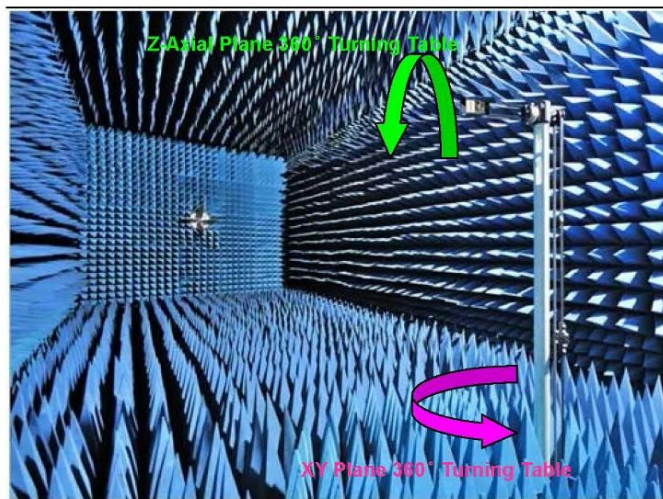
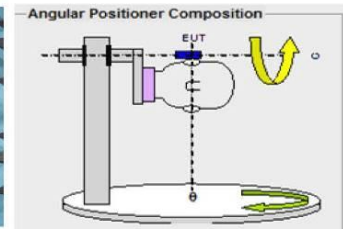
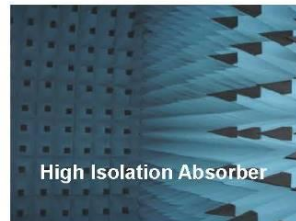
Product Name: 6700-7200MHZ Omnidirectional Fiberglass Antenna

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

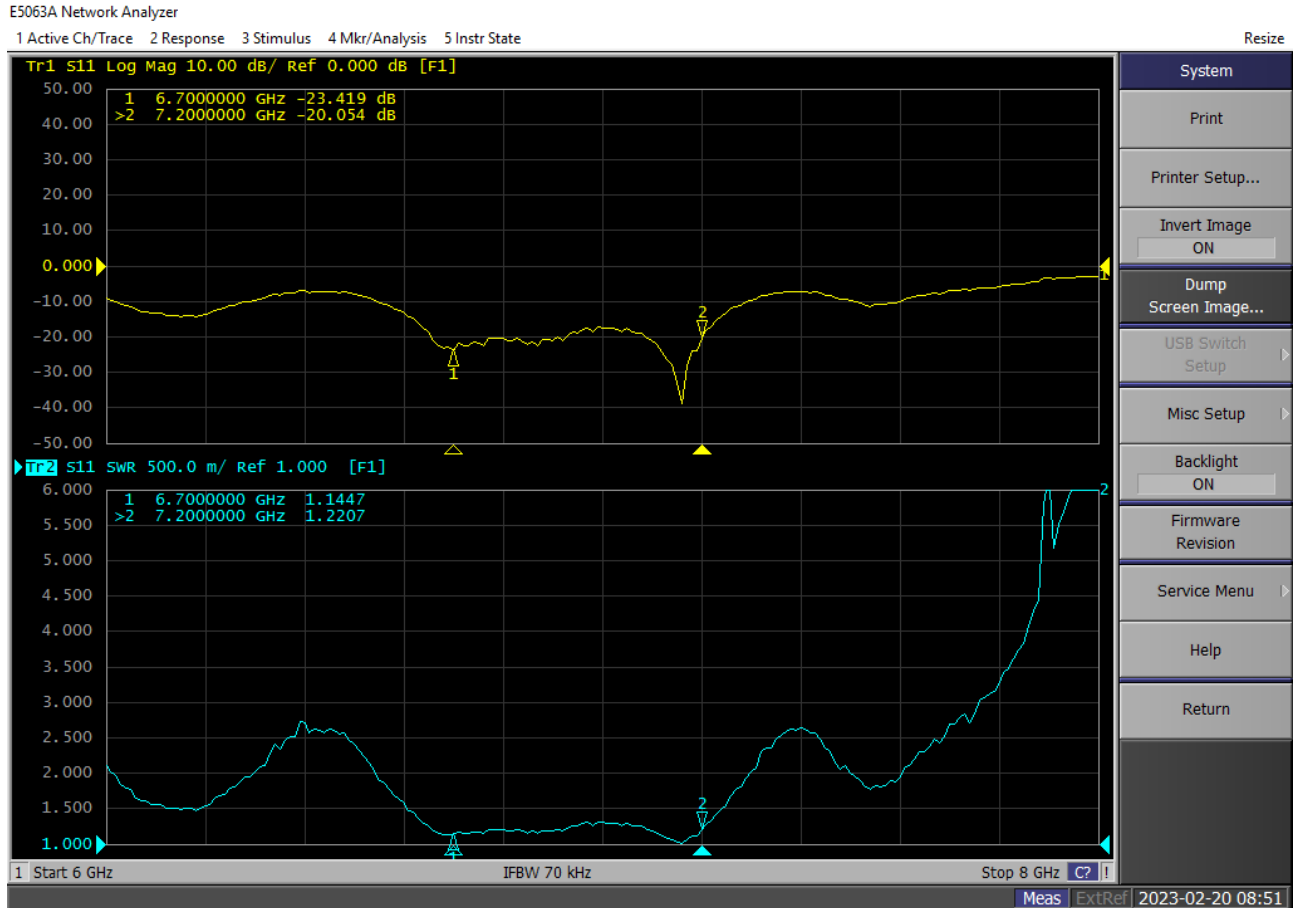


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2. Antenna - S Parameter Test Data

2.1. VSWR

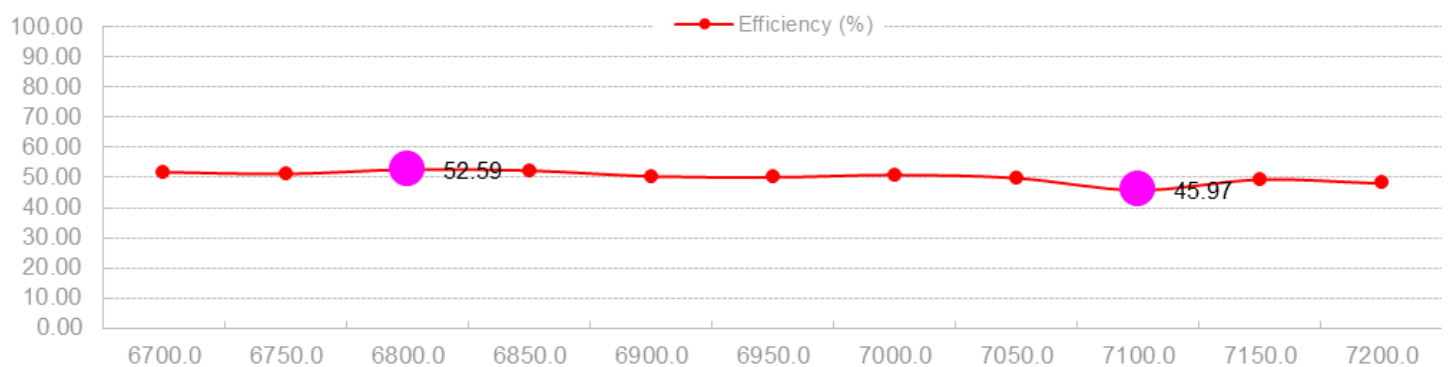


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2.2. Total Efficiency & Gain:

Frequency(MHz)	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

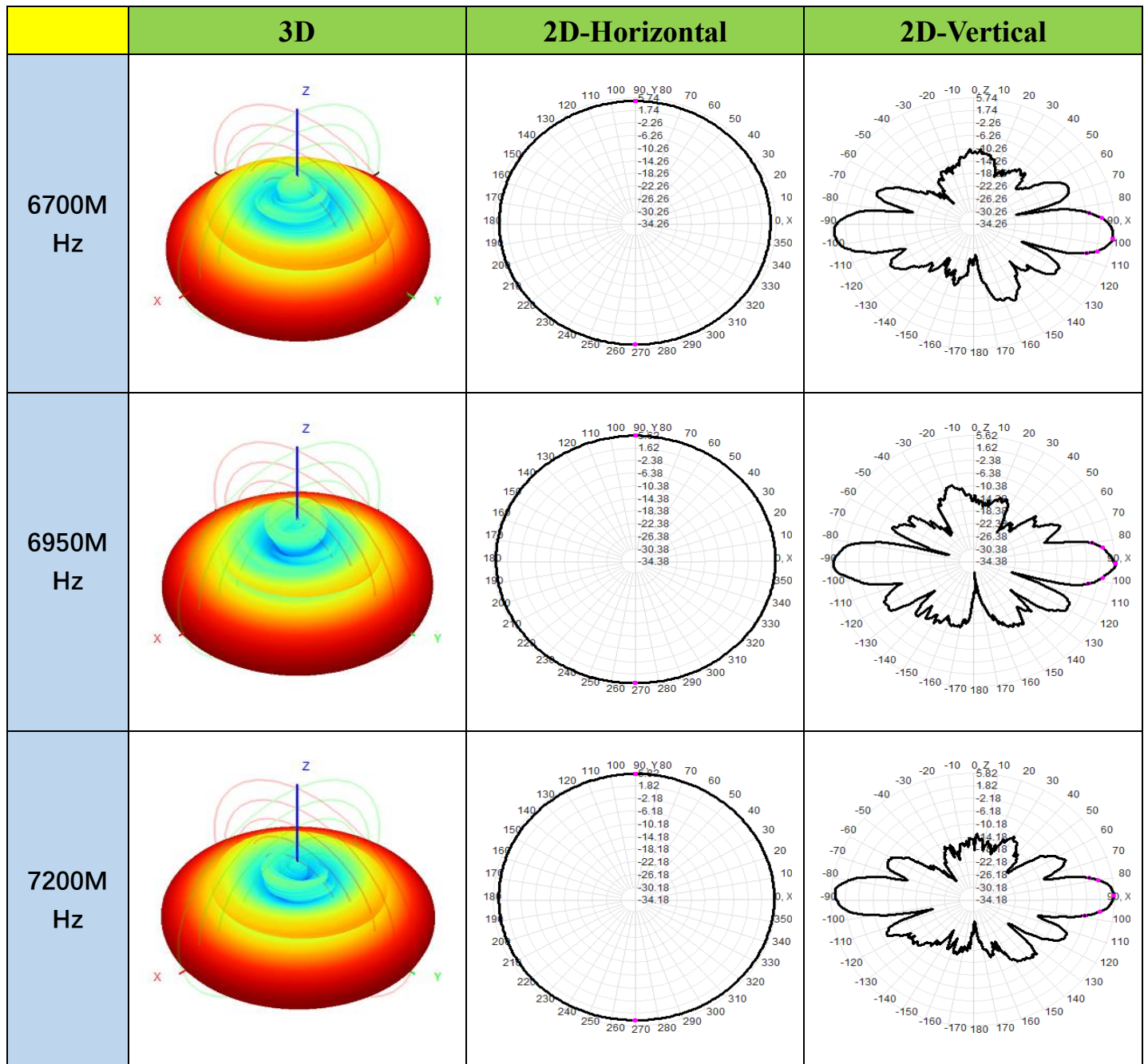


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2.3 Radiation Pattern



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3. Mechanical Drawing

