

## 1. Specification

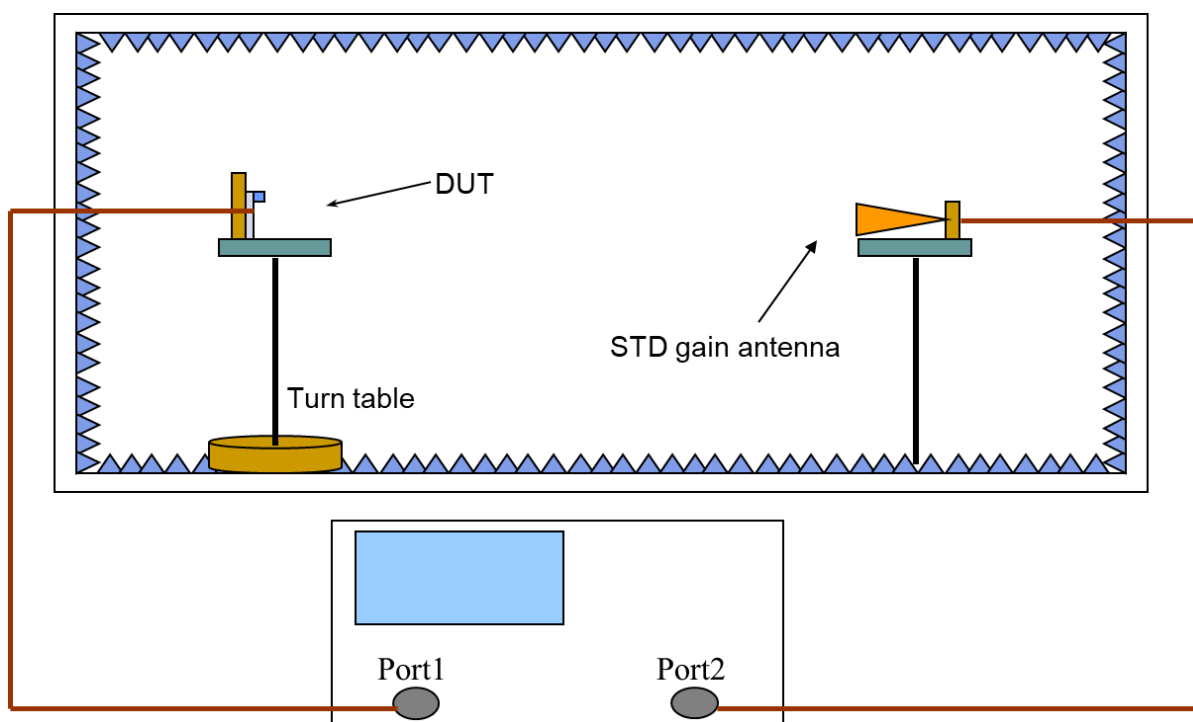
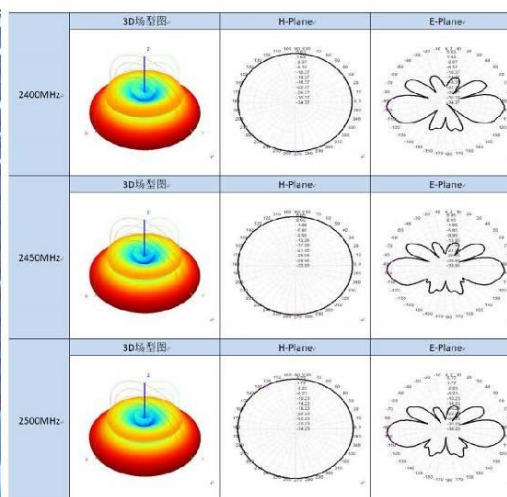
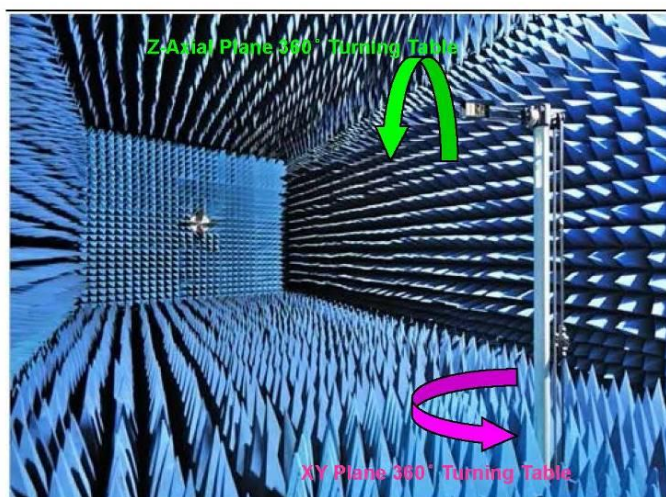
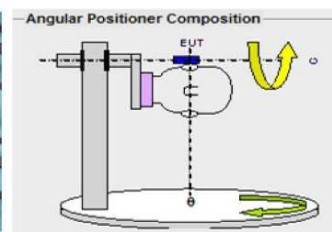
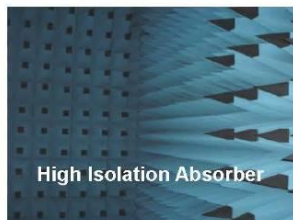
Sample Photo	
	
A. Electrical Characteristics	
Frequency	6250-6750MHz
S.W.R.	<= 1.8
Antenna Gain	13dBi
Polarization	Vertical
Horizontal Beamwidth	29-35°
Vertical Beamwidth	23-29°
F/B	>23dB
Impedance	50Ohm
Max. Power	50W
B. Material & Mechanical Characteristics	
Connector Type	N connector
Dimension	140*120*25mm
Radome material	ABS
Weight	0.45Kg
C. Environmental	
Operation Temperature	- 40 °C ~ + 85 °C
Storage Temperature	- 40 °C ~ + 85 °C
Operation Humidity	< 95%
Rated Wind Velocity	36.9m/s

## Test Equipment & Conditions

1. Network Analyzer: Keysight E5071C

2. 3D Chamber Test System

- .Chamber Size: 9 x 5 x 4 m<sup>3</sup>
- .Freq. Range: 0.4 ~ 18.0 GHz
- .Double Ridge Horn Antenna
- .VNA: Agilent E5071C
- .3D Turning Table and Positioner
- .ADT Solution 3D Testing Software

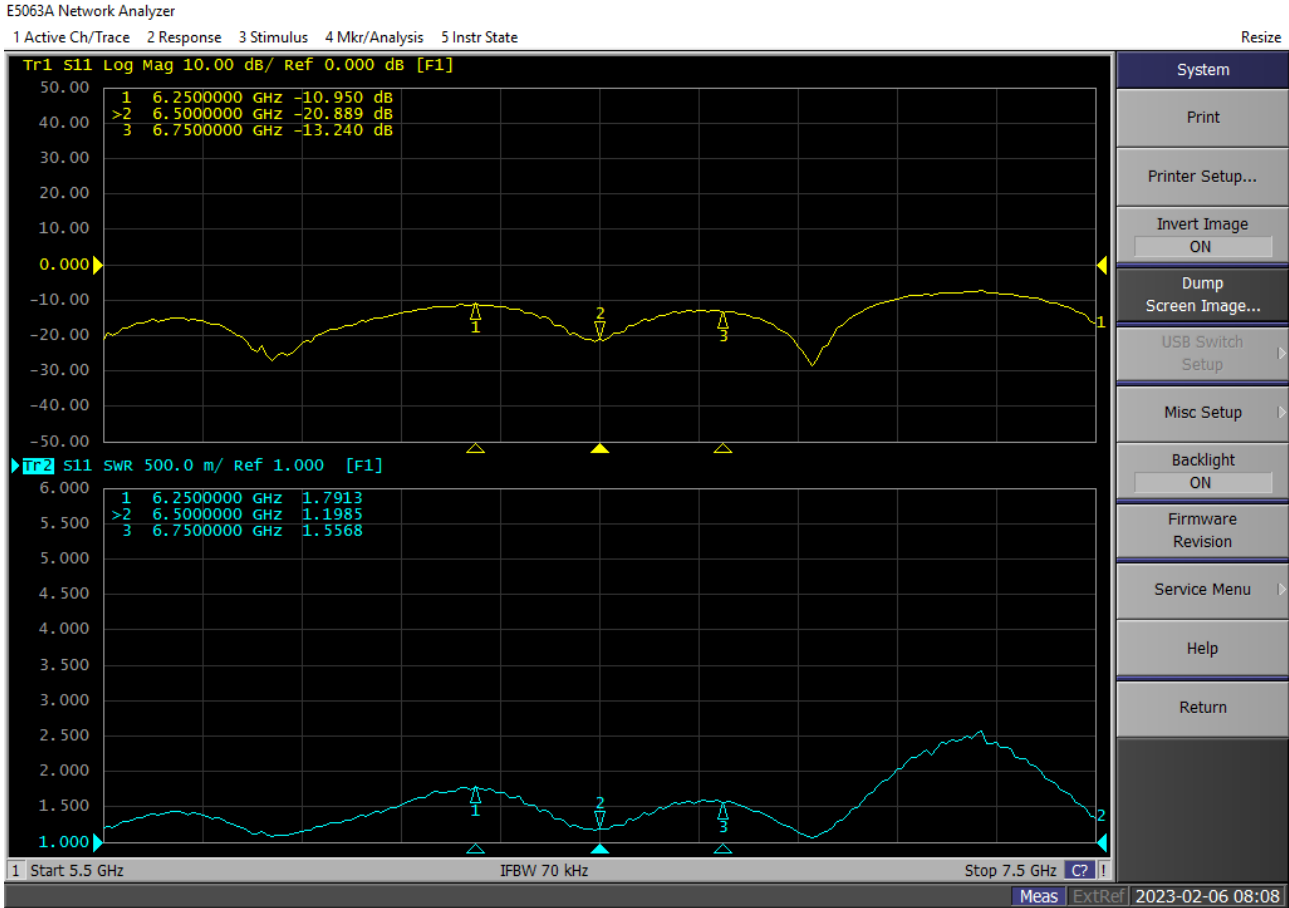




Product Number: BGS-AN6250-14012025G  
Product Name: 6250-46750Mhz Flat Panel Antenna 13dBi

## 2. Antenna - S Parameter Test Data

### 2.1 VSWR





Product Number: BGS-AN6250-14012025G

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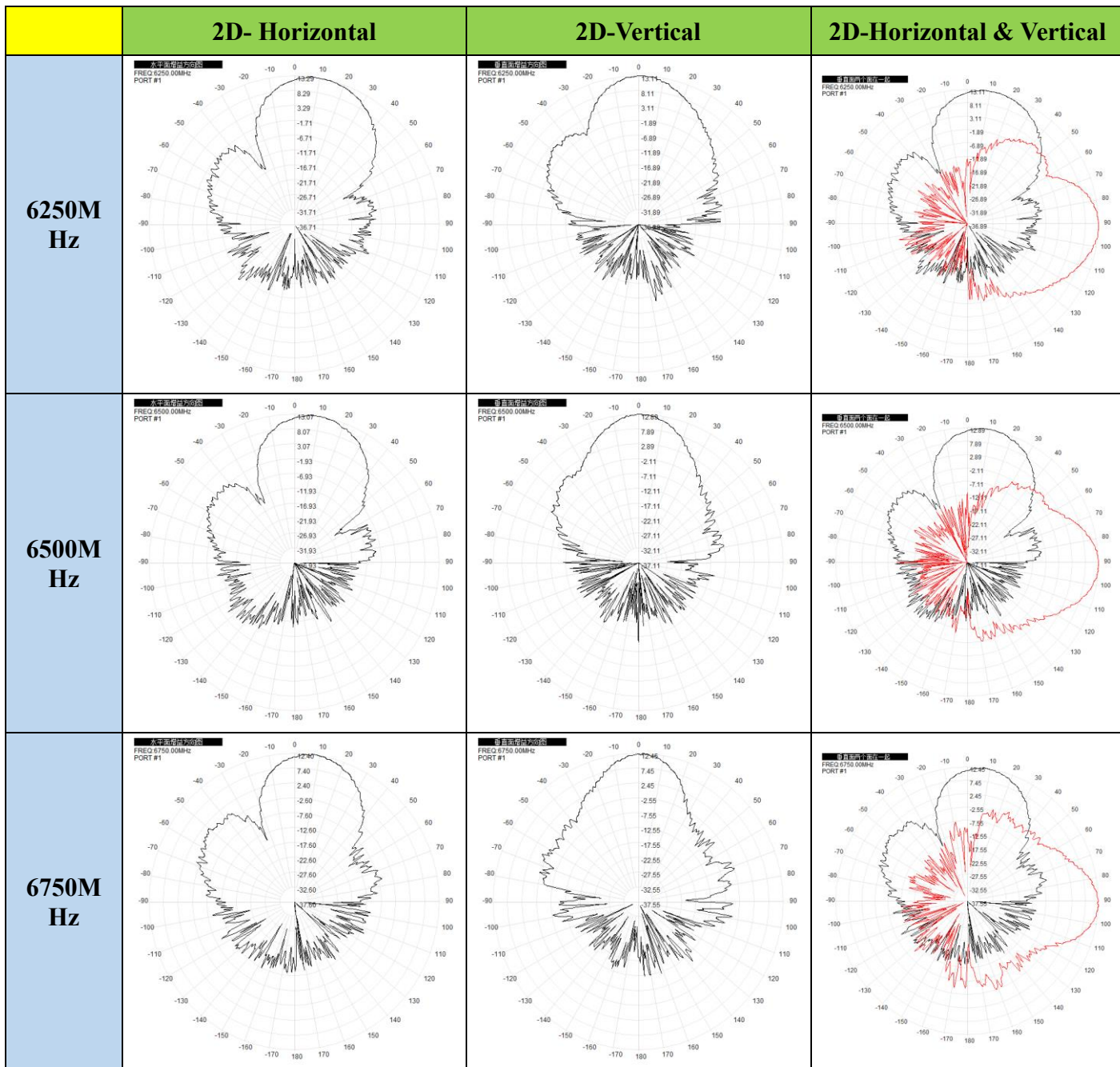
## 2.2 Gain:

Frequency(MHz)	Gain(dBi)
6250	13.3
6300	13.5
6350	12.9
6400	13.0
6450	12.7
6500	13.1
6550	12.4
6600	12.3
6650	12.9
6700	12.8
6750	12.4



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## 2.3 Radiation Pattern







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