


## 1. Specification

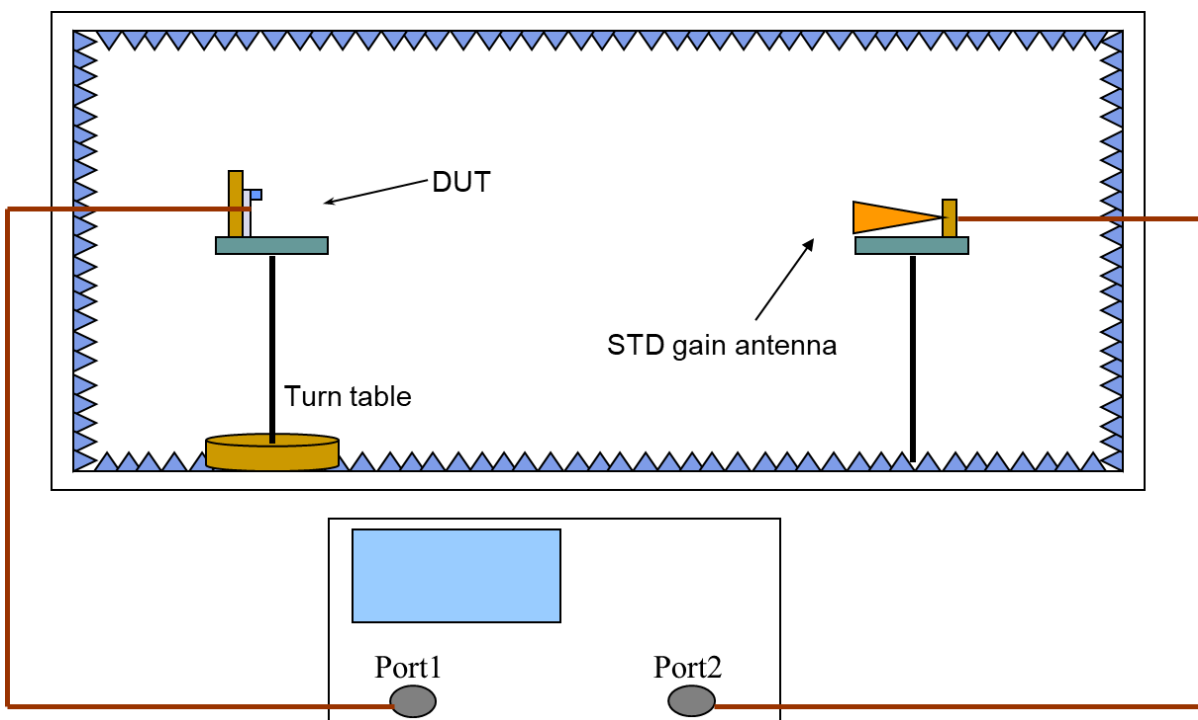
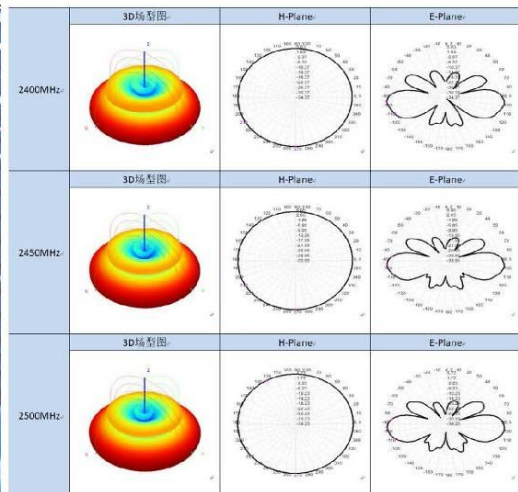
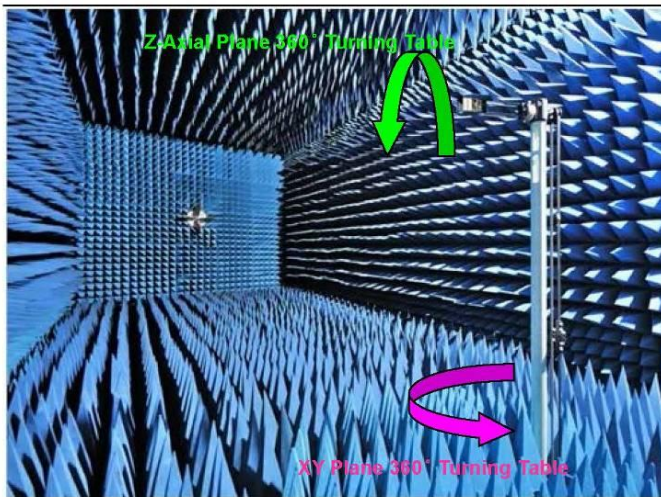
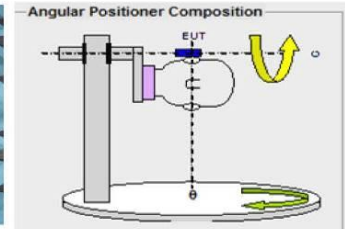
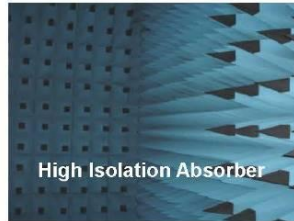
<b>Sample Photo</b>	
	
<b>A. Electrical Characteristics</b>	
Frequency	5100-5300MHz
Impedance	50 Ohm
S.W.R.	<2.0
Antenna Gain	2dBi
Efficiency	≈80%
Polarization	RHCP
Horizontal Beamwidth	360°
Vertical Beamwidth	69~85°
Max Power	5W
<b>B. Material &amp; Mechanical Characteristics</b>	
Connector Type	SMA connector
Dimension	Φ 34*120mm
Weight	0.012Kg
Antenna material	Copper
<b>C. Environmental</b>	
Operation Temperature	- 40 °C ~ + 85 °C
Storage Temperature	- 40 °C ~ + 85 °C

## Test Equipment & Conditions

1. Network Analyzer: Keysight E5071C

2. 3D Chamber Test System

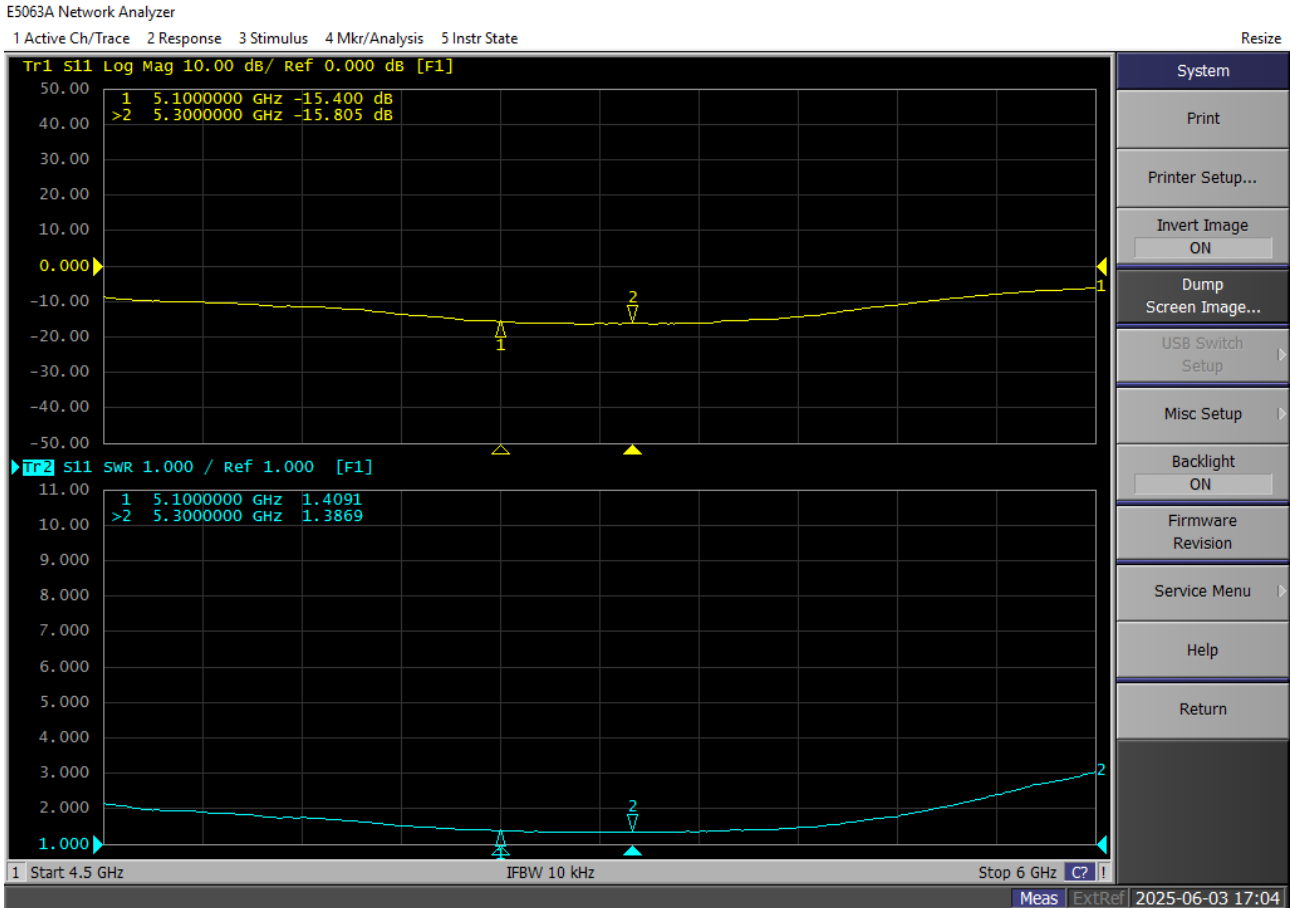
- .Chamber Size: 9 x 5 x 4 m<sup>3</sup>
- .Freq. Range: 0.4 ~ 18.0 GHz
- .Double Ridge Horn Antenna
- .VNA: Agilent E5071C
- .3D Turning Table and Positioner
- .ADT Solution 3D Testing Software



Product Number: BGS-AN5300-34120N  
 Product Name: 5100-5300MHZ Cloverleaf Antenna 4 Blade

## 2. Antenna - S Parameter Test Data

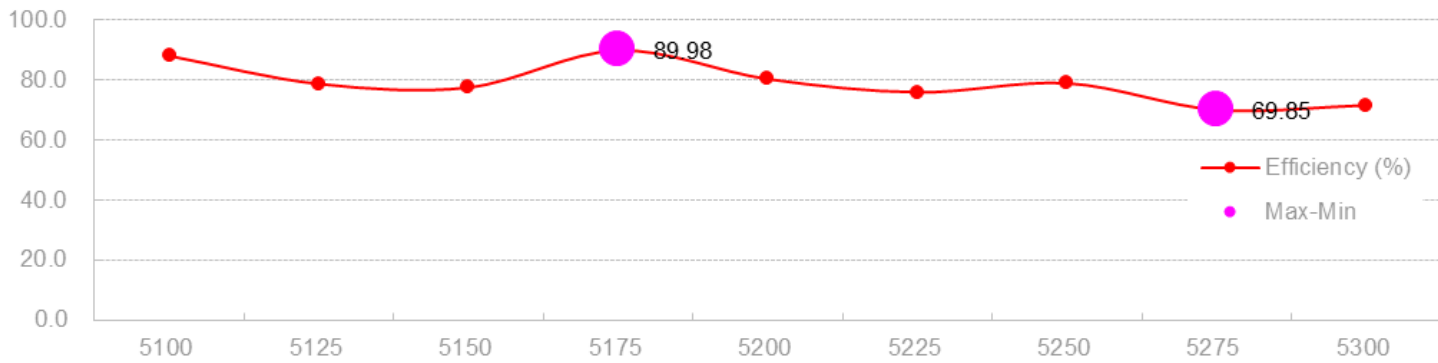
### 2.1. VSWR



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## 2.2. Total Efficiency & Gain:

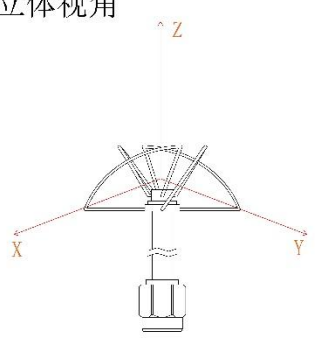
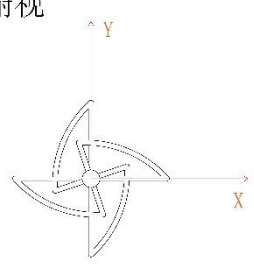
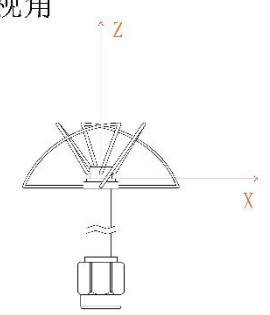
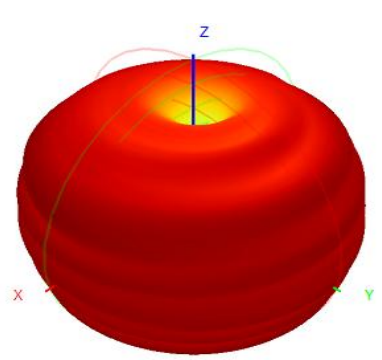
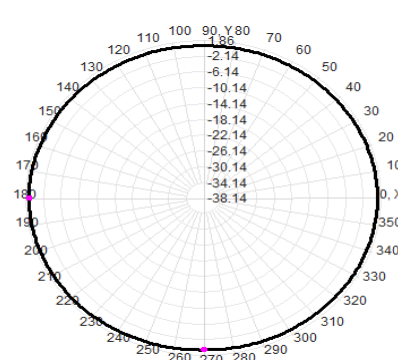
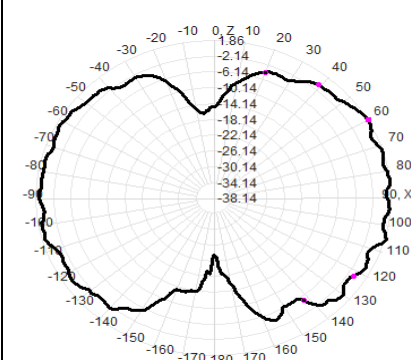
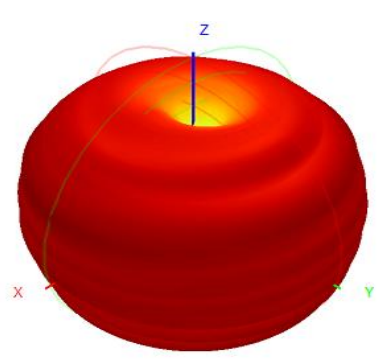
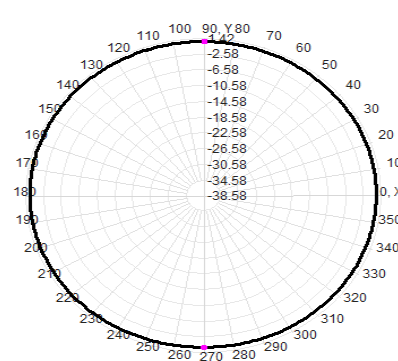
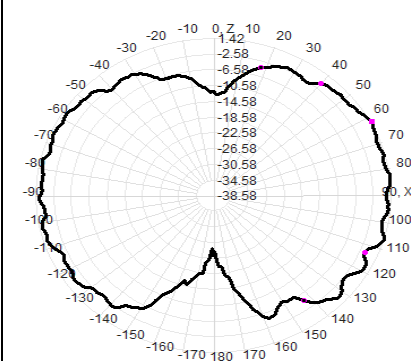
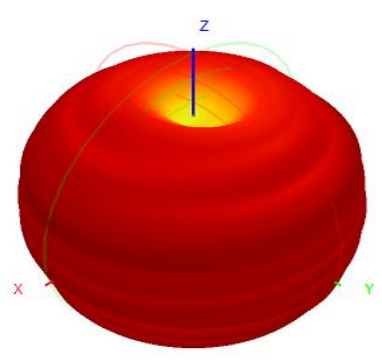
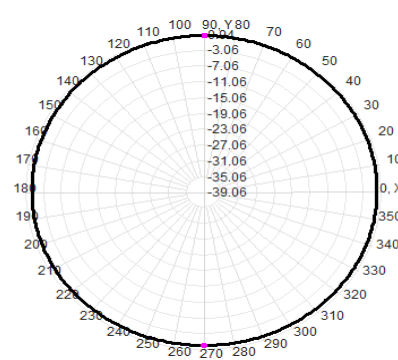
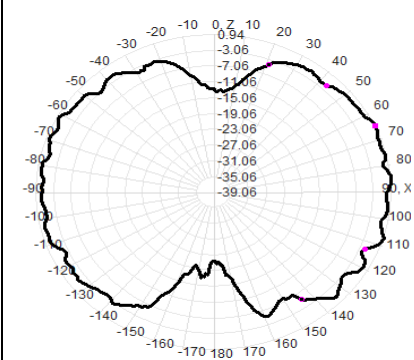
Frequency (MHz)	5100	5125	5150	5175	5200	5225	5250	5275	5300
Gain (dBi)	1.9	1.4	1.5	2.1	1.4	1.3	1.6	0.9	0.9
Efficiency (%)	88.1	78.6	77.4	90.0	80.3	75.8	78.9	69.9	71.4



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### 2.3 Radiation Pattern

	3D	2D-Horizontal	2D-Vertical
AXIS	<p>立体视角</p> 	<p>顶端俯视</p> 	<p>前方视角</p> 
5100M Hz			
5200M Hz			
5300M Hz			

### 3. Mechanical Drawing

