


## 1. Specification

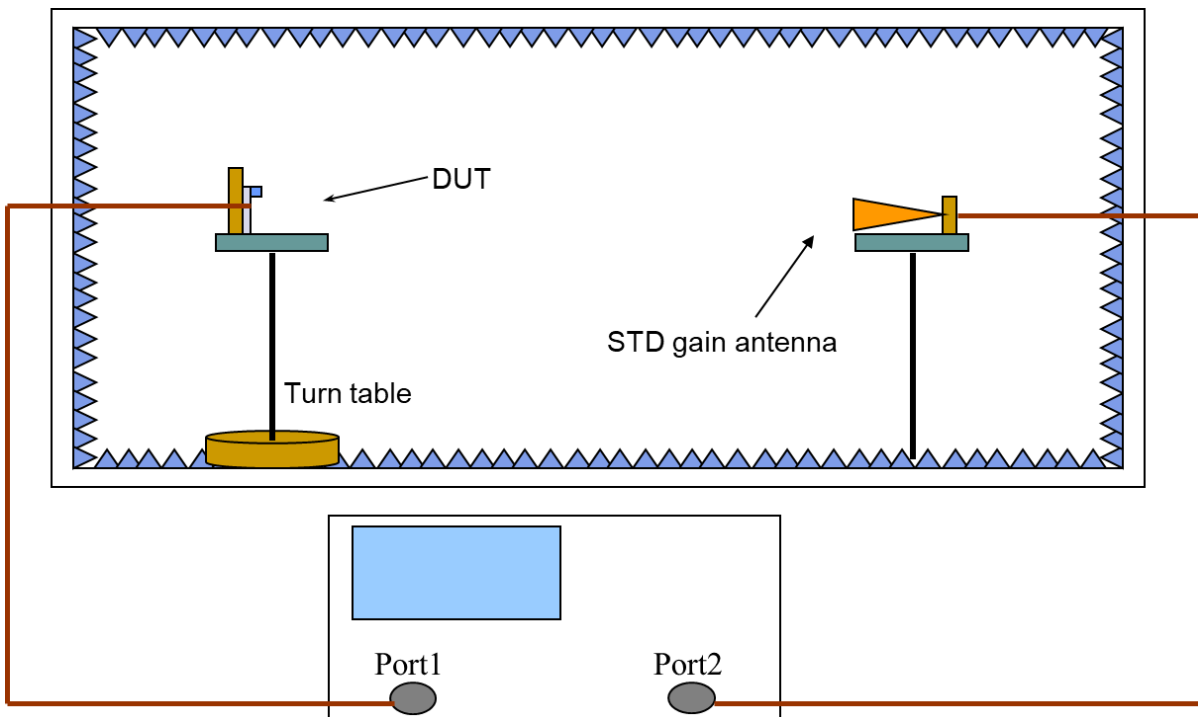
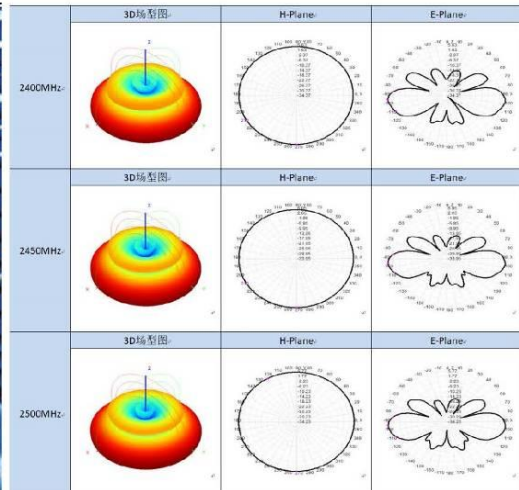
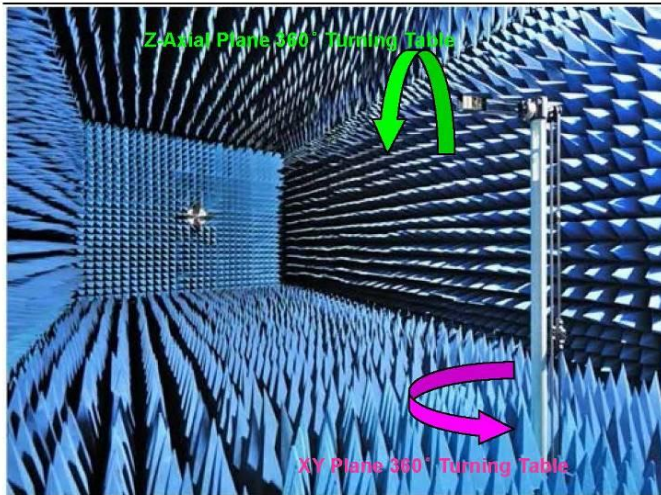
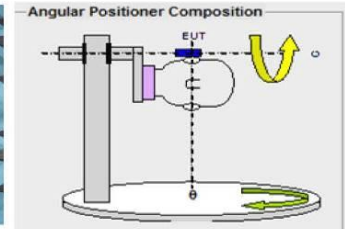
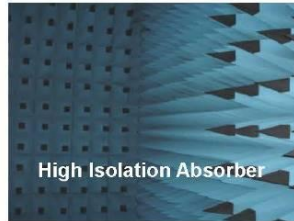
<b>Sample Photo</b>	
	
<b>A. Electrical Characteristics</b>	
Frequency	4900-6000MHz
Impedance	50 Ohm
S.W.R.	<3.0
Antenna Gain	1.8-4dBi
Efficiency	≈80%
Polarization	RHCP
Horizontal Beamwidth	360°
Vertical Beamwidth	8~73°
Max Power	5W
<b>B. Material &amp; Mechanical Characteristics</b>	
Connector Type	SMA connector
Dimension	Φ 31*78mm
Weight	0.008Kg
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

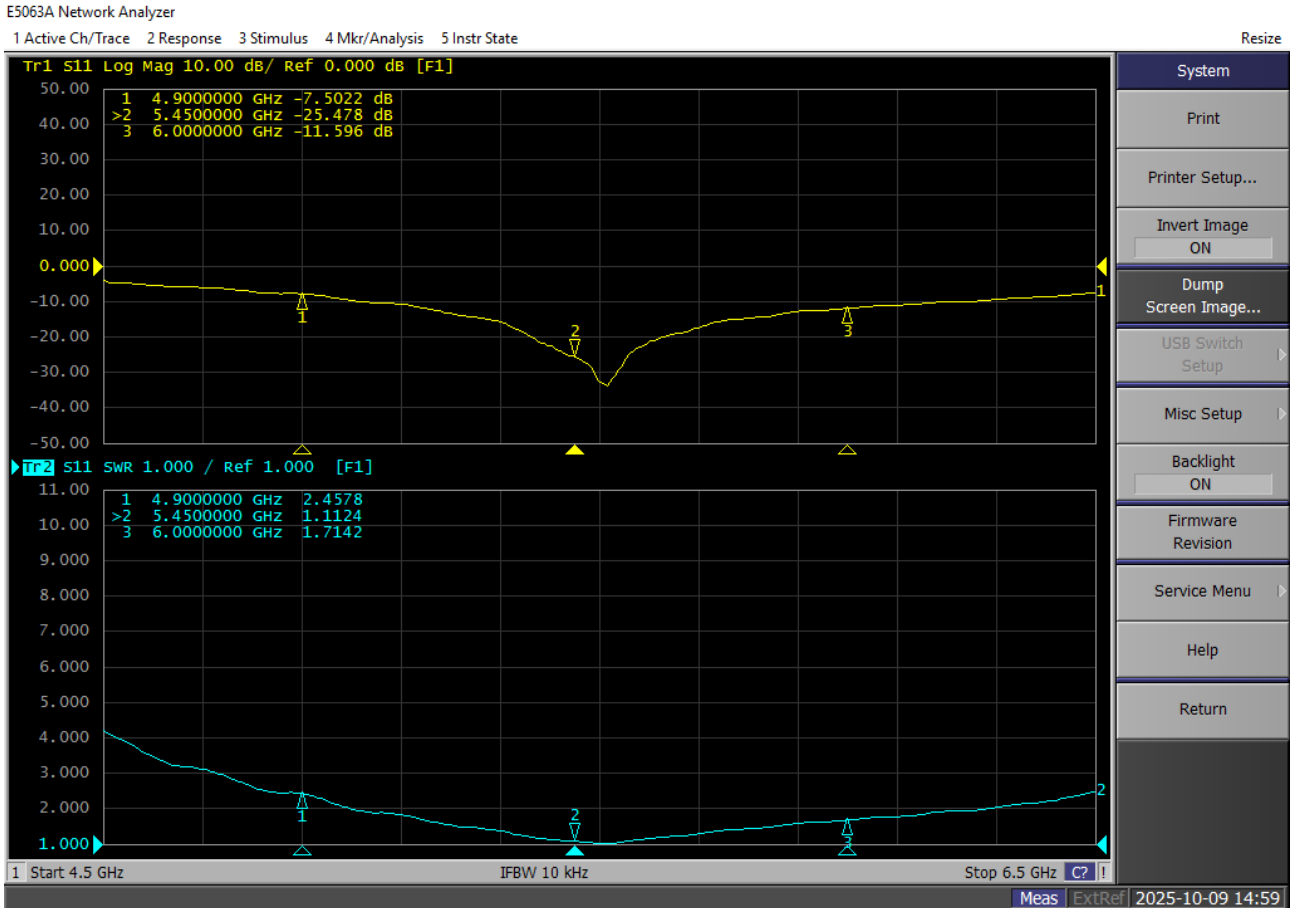
- .Chamber Size: 9 x 5 x 4 m<sup>3</sup>
- .Freq. Range: 0.4 ~ 18.0 GHz
- .Double Ridge Horn Antenna
- .VNA: Agilent E5071C
- .3D Turning Table and Positioner
- .ADT Solution 3D Testing Software



Product Number: BGS-AN6000-3178N  
 Product Name: 4900-6000MHZ Cloverleaf Antenna 4 Blade

## 2. Antenna - S Parameter Test Data

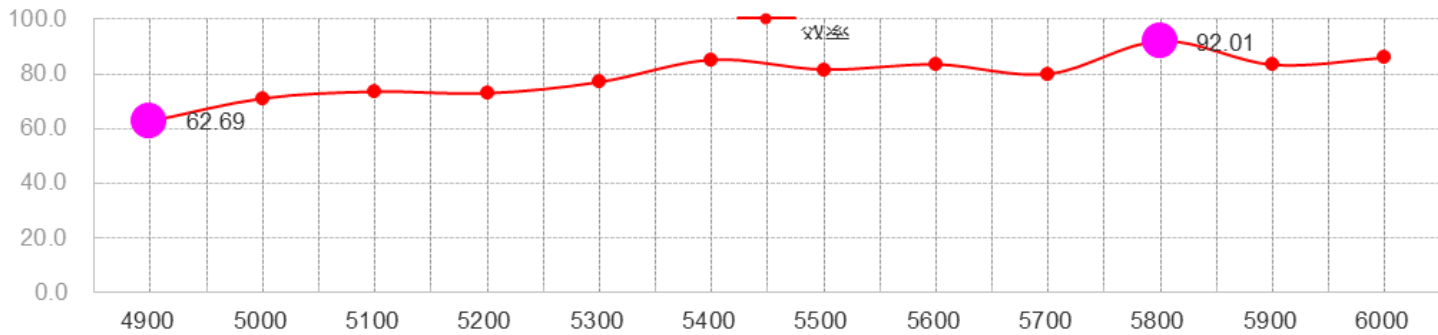
### 2.1. VSWR



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## 2.2. Total Efficiency & Gain:

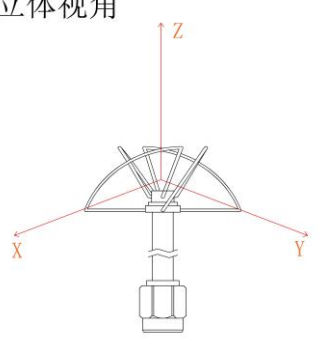
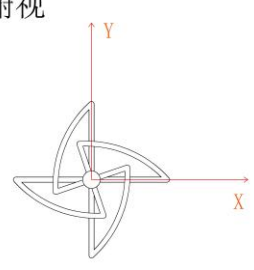
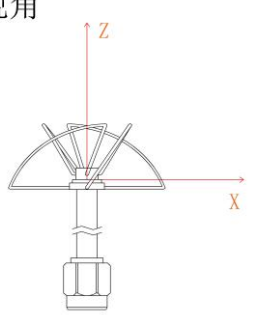
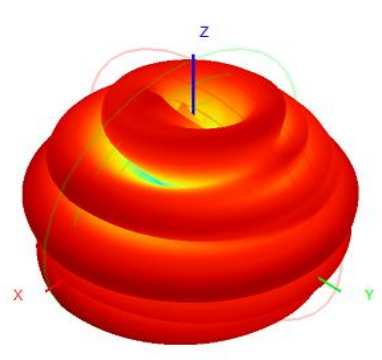
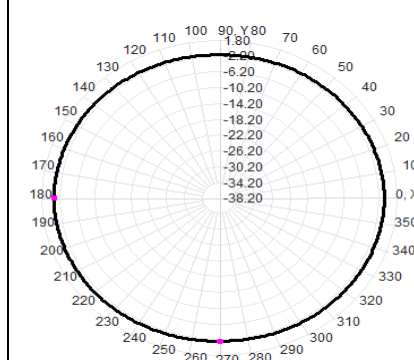
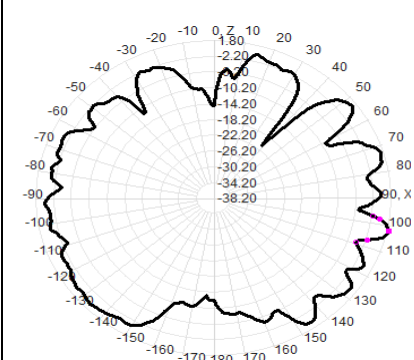
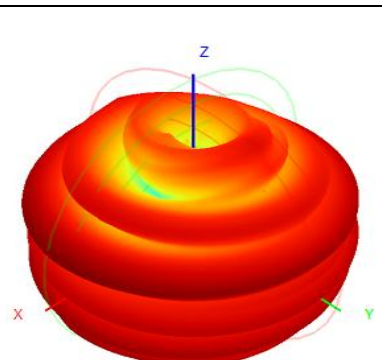
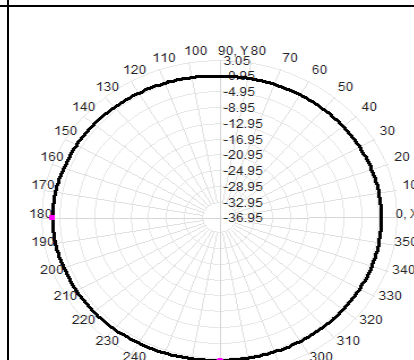
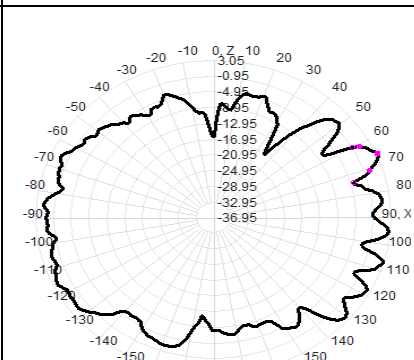
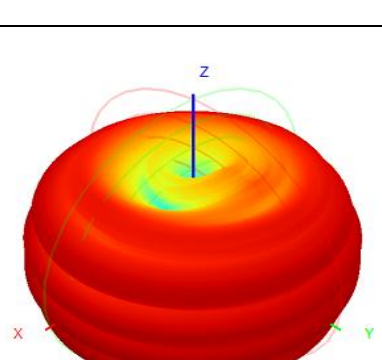
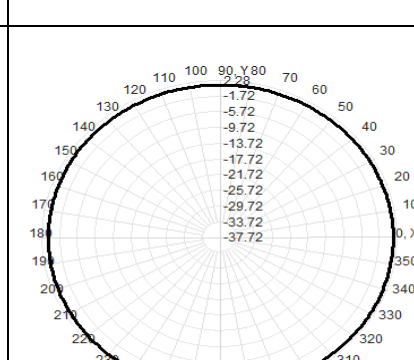
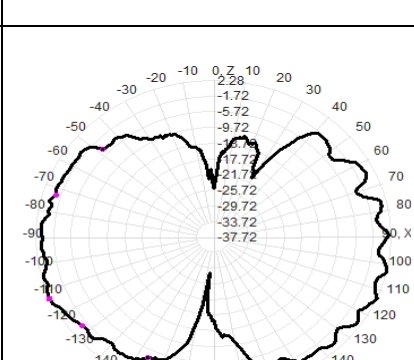
Frequency (MHz)	4900	5000	5100	5200	5300	5400	5500	5600	5700	5800	5900	6000
Gain (dBi)	1.8	2.5	3.1	3.5	4.1	3.9	3.1	2.6	2.0	2.4	2.1	2.3
Efficiency (%)	62.7	71.0	73.5	72.9	77.0	85.2	81.6	83.5	80.0	92.0	83.3	85.9



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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> 
4900M Hz			
5500M Hz			
6000M Hz			

### 3. Mechanical Drawing

