


1. Specification

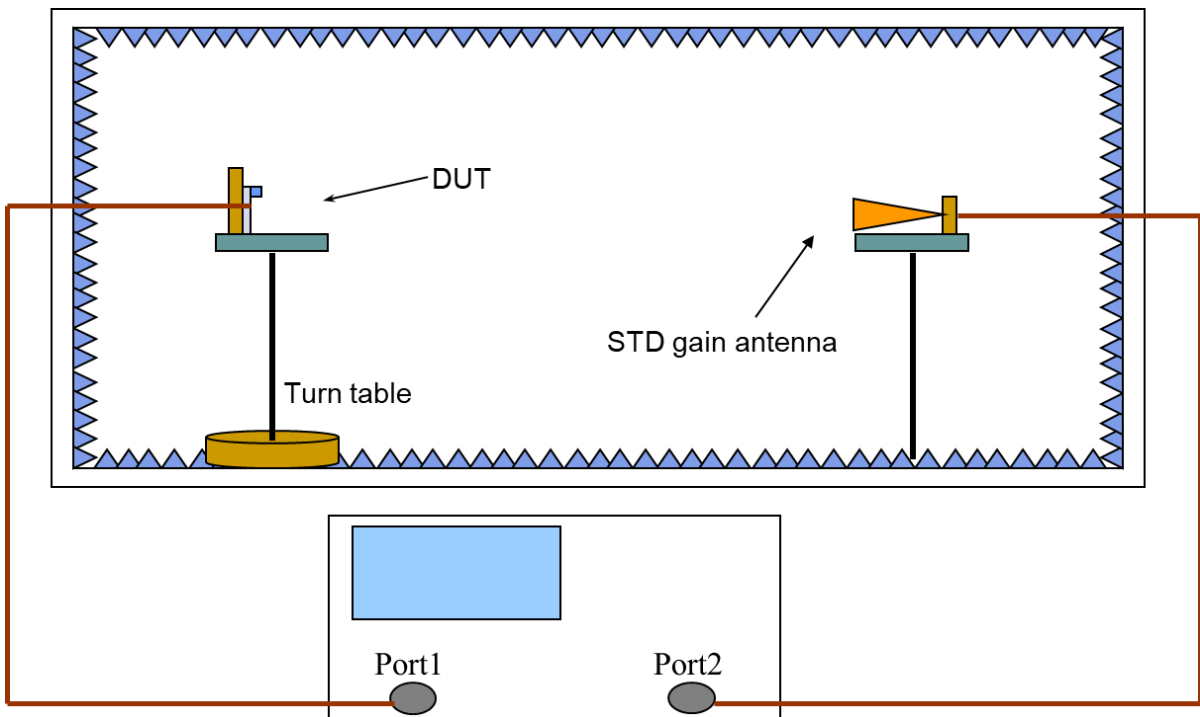
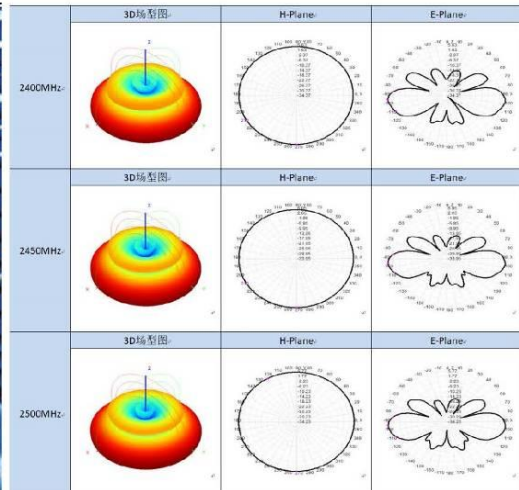
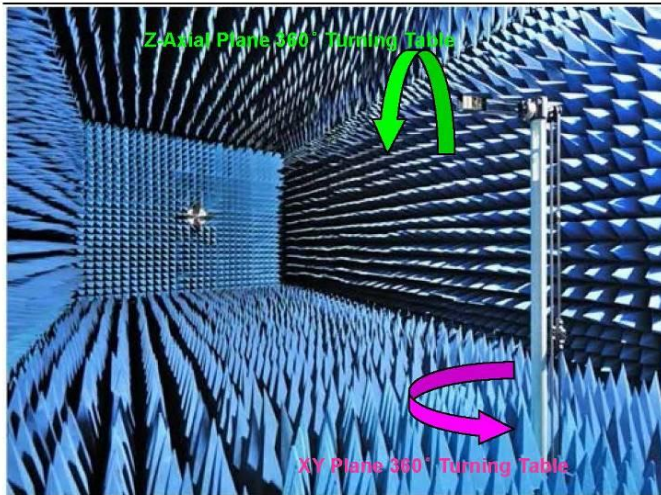
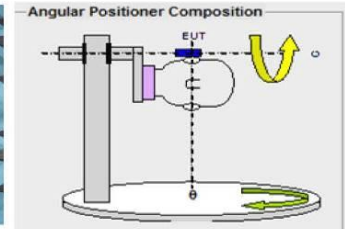
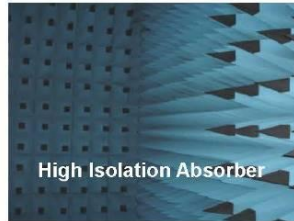
Sample Photo	
	
A. Electrical Characteristics	
Frequency	5700-5850MHz
Impedance	50 Ohm
S.W.R.	<2.0
Antenna Gain	2dBi
Efficiency	≈76%
Polarization	RHCP
Horizontal Beamwidth	360°
Vertical Beamwidth	78~83°
Max Power	5W
B. Material & Mechanical Characteristics	
Connector Type	SMA connector
Dimension	Φ 33*118mm
Weight	0.011Kg
Antenna material	Copper
C. Environmental	
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

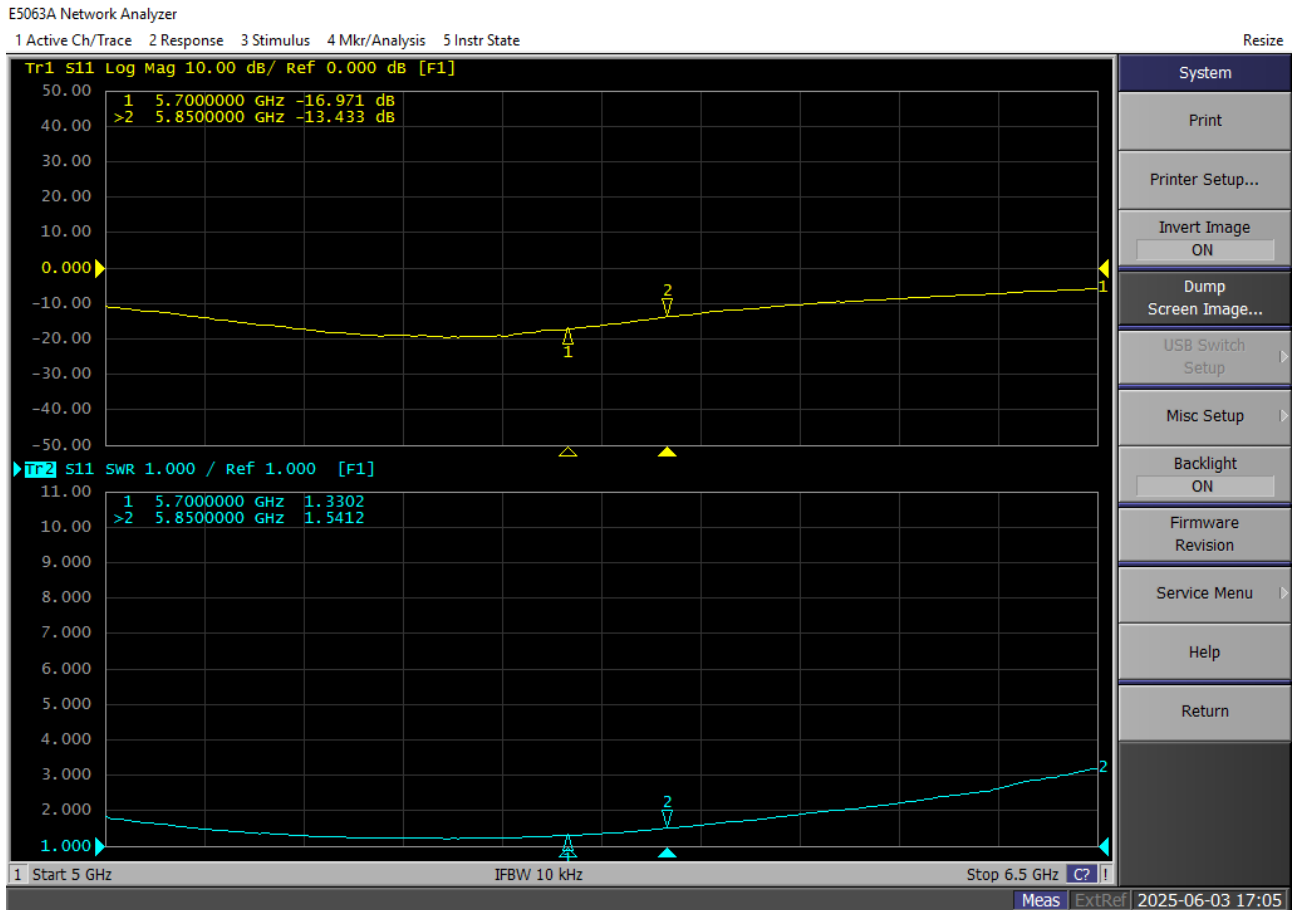
- .Chamber Size: 9 x 5 x 4 m³
- .Freq. Range: 0.4 ~ 18.0 GHz
- .Double Ridge Horn Antenna
- .VNA: Agilent E5071C
- .3D Turning Table and Positioner
- .ADT Solution 3D Testing Software



Product Number: BGS-AN5850-33118N
 Product Name: 5700-5850MHZ Cloverleaf Antenna 4 Blade

2. Antenna - S Parameter Test Data

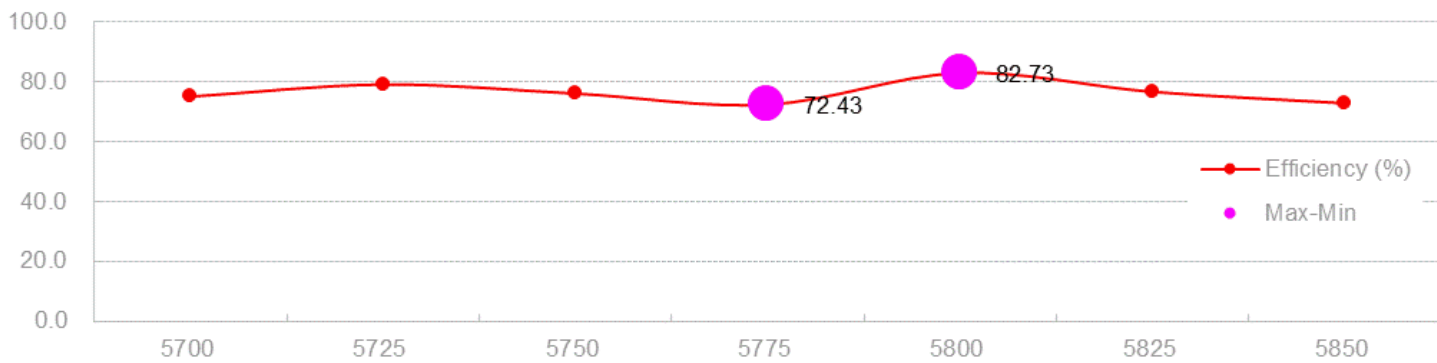
2.1. VSWR



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2.2. Total Efficiency & Gain:

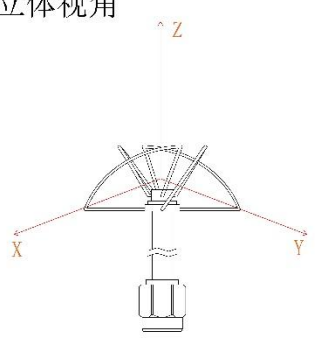
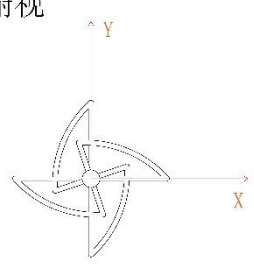
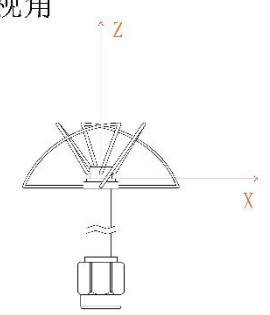
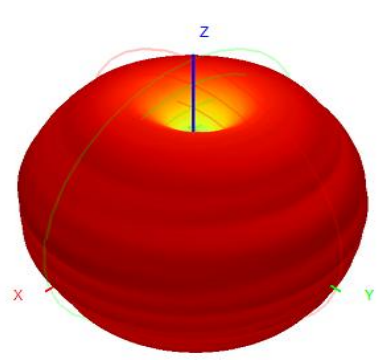
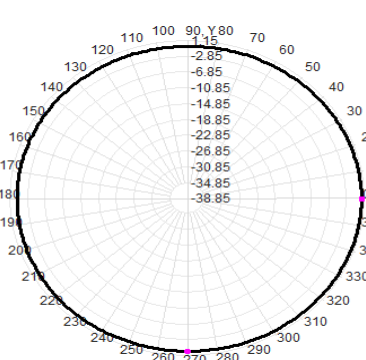
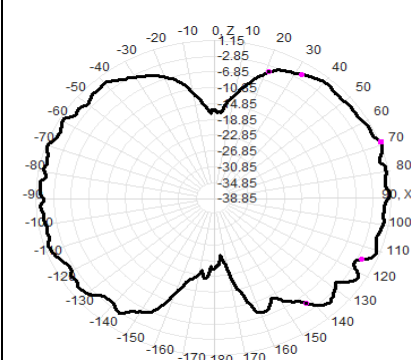
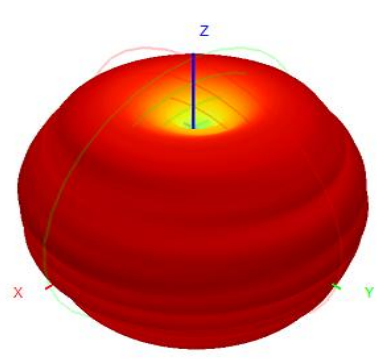
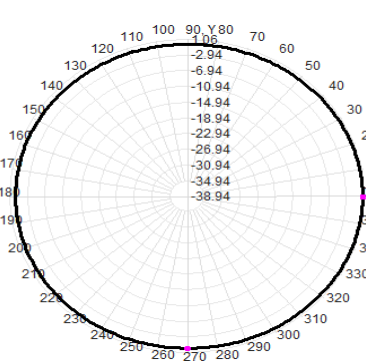
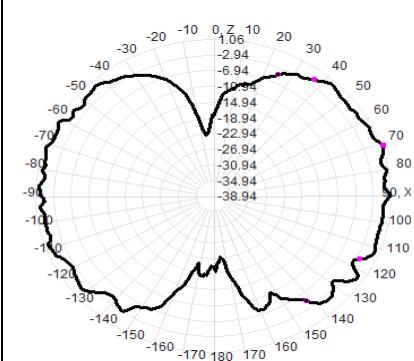
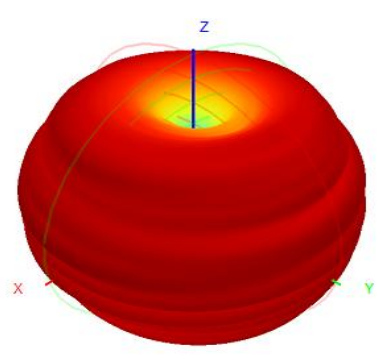
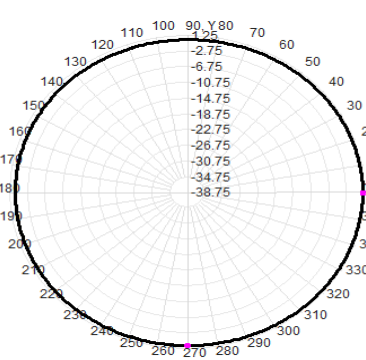
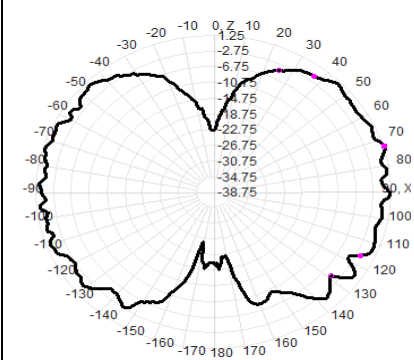
Frequency (MHz)	5700	5725	5750	5775	5800	5825	5850
Gain (dBi)	1.2	1.3	1.4	1.1	1.8	1.4	1.3
Efficiency (%)	75.1	79.0	76.0	72.4	82.7	76.6	72.9



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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> 
5700M Hz			
5775M Hz			
5850M Hz			

3. Mechanical Drawing

