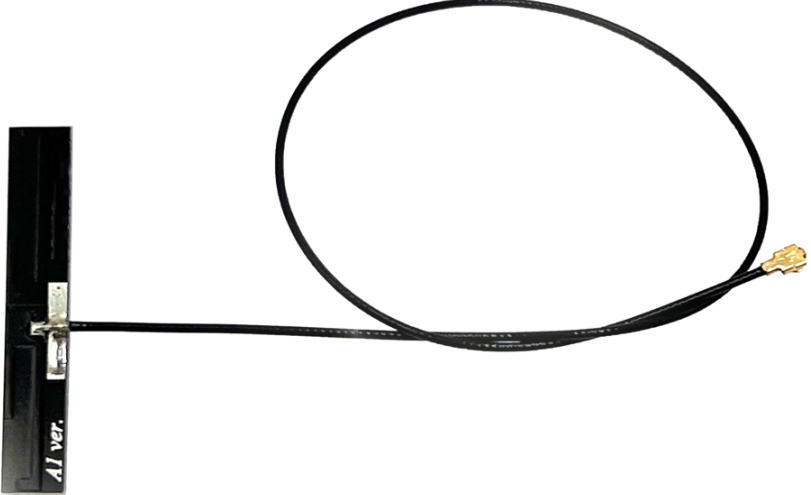


1. Specification

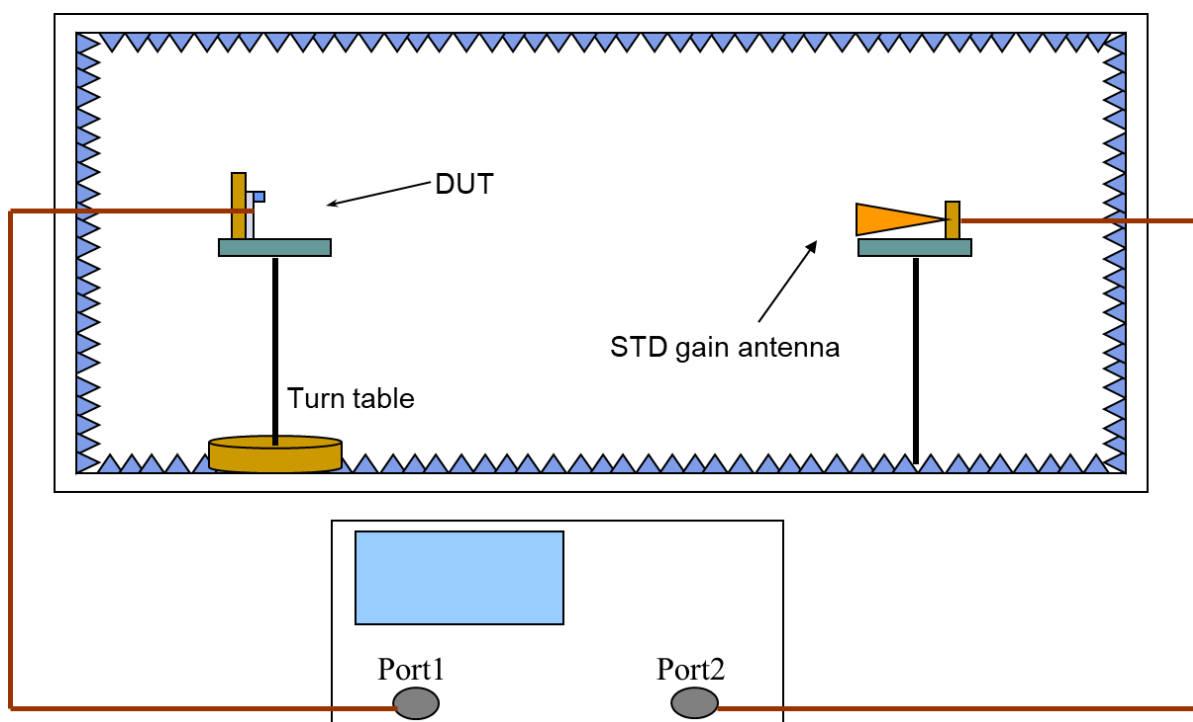
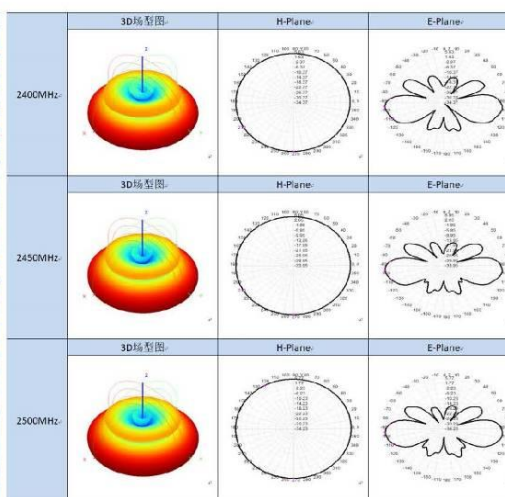
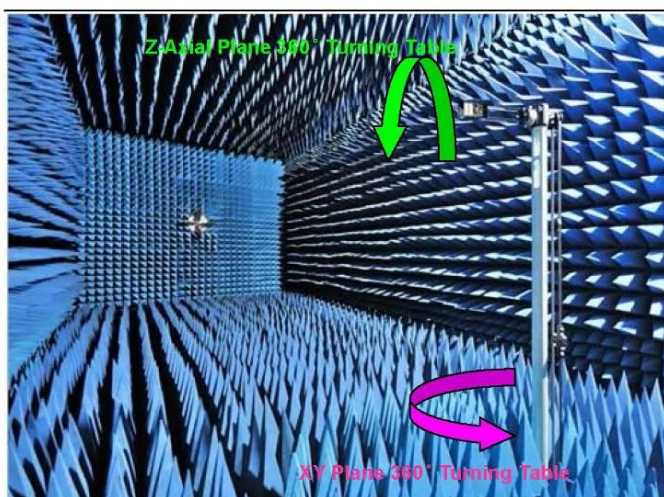
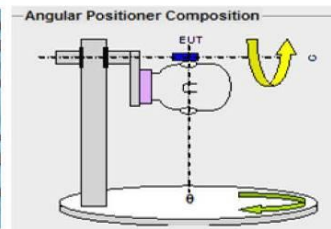
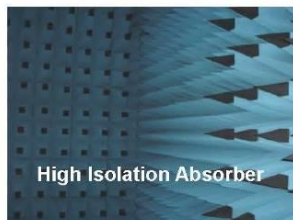
Sample Photo		
		
A. Electrical Characteristics		
Frequency	2400-2500MHz	5150-5850MHz
S.W.R.	<= 2.0	<= 2.0
Antenna Gain	1.5dBi	2dBi
Efficiency	≈56%	≈52%
Polarization	Linear	Linear
Horizontal Beamwidth	360°	360°
Vertical Beamwidth	93-97°	16-68°
Impedance	50 Ohm	
Max Power	50W	
B. Material & Mechanical Characteristics		
Cable Type	RF1.13 Cable	
Connector Type	MHF1 Plug	
Dimension	42*7mm	
Weight	0.001Kg	
C. Environmental		
Operation Temperature	- 40 °C ~ + 65 °C	
Storage Temperature	- 40 °C ~ + 80 °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

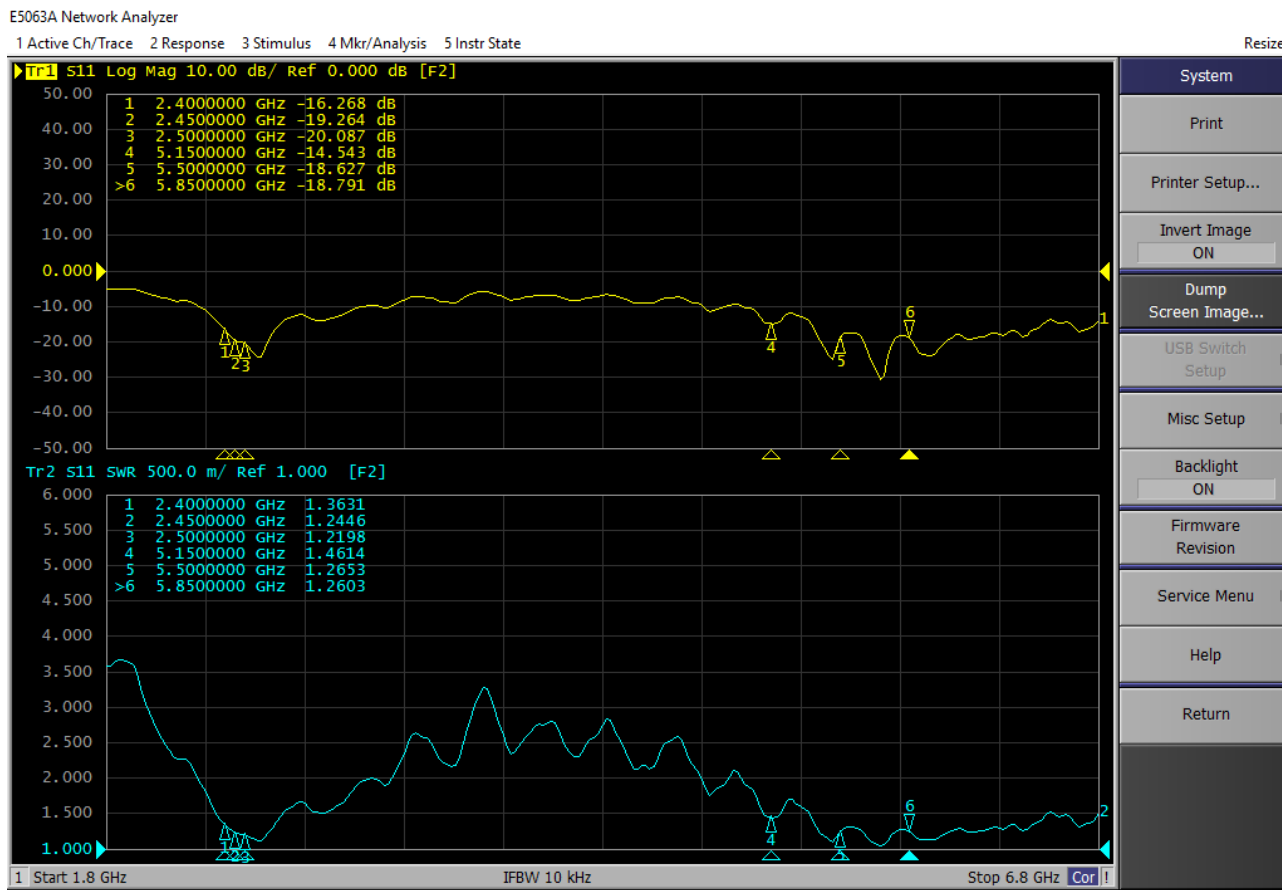




Product Number: BGS-AN2458-4207B-0150
Product Name: WIFI Dual Band Embedded Antenna

2. Antenna - S Parameter Test Data

2.1. VSWR





Product Number: BGS-AN2458-4207B-0150
Product Name: WIFI Dual Band Embedded Antenna

2.2. Total Efficiency & Gain:

Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400	1.0	60.1
2410	0.9	59.0
2420	0.8	56.2
2430	0.9	55.1
2440	0.9	54.8
2450	1.0	56.1
2460	1.2	58.7
2470	1.3	58.4
2480	1.2	55.0
2490	1.3	53.9
2500	1.5	56.2
5150	1.6	54.6
5200	1.6	58.2
5250	0.9	50.0
5300	1.3	50.6
5350	1.8	50.1
5400	2.2	50.3
5450	2.2	49.7
5500	2.4	51.4
5550	1.9	50.0
5600	2.0	52.7
5650	1.8	53.5
5700	1.6	53.4
5750	1.4	51.2
5800	1.8	56.0
5850	1.8	54.8



Product Number: BGS-AN2458-4207B-0150
 Product Name: WIFI Dual Band Embedded Antenna

2.3 Radiation Pattern

2.4G	3D	2D-水平面	2D-垂直面
2400M Hz			
2450M Hz			
2500M Hz			



Product Number: BGS-AN2458-4207B-0150
 Product Name: WIFI Dual Band Embedded Antenna

5.8G	3D	2D-水平面	2D-垂直面
5150M Hz			
5500M Hz			
5850M Hz			



Product Number: BGS-AN2458-4207B-0150
 Product Name: WIFI Dual Band Embedded Antenna

3. Mechanical Drawing

