

SPECIFICATIONS FOR APPROVAL

Customer Name: Shenzhen Yolanda Technology Co., Ltd

Customer address: 2F, Jin Fu Building, No 49-1 Dabao
road, Bao' an District, Shenzhen, China

Product Name: BTAntenna

Product Model: C25001F11_A10_RF01

Part Number:

Write By : Qin Shuaixing

Issued Date: 2026-01-14

CUSTOMER

ENGINEER R&D DEPT	BUSSINESS DEPT	APPROVED BY

SOUTHSTAR

R & D D E P T	ENGINEER R&D DEPT	APPROVAL

The basic parameters:

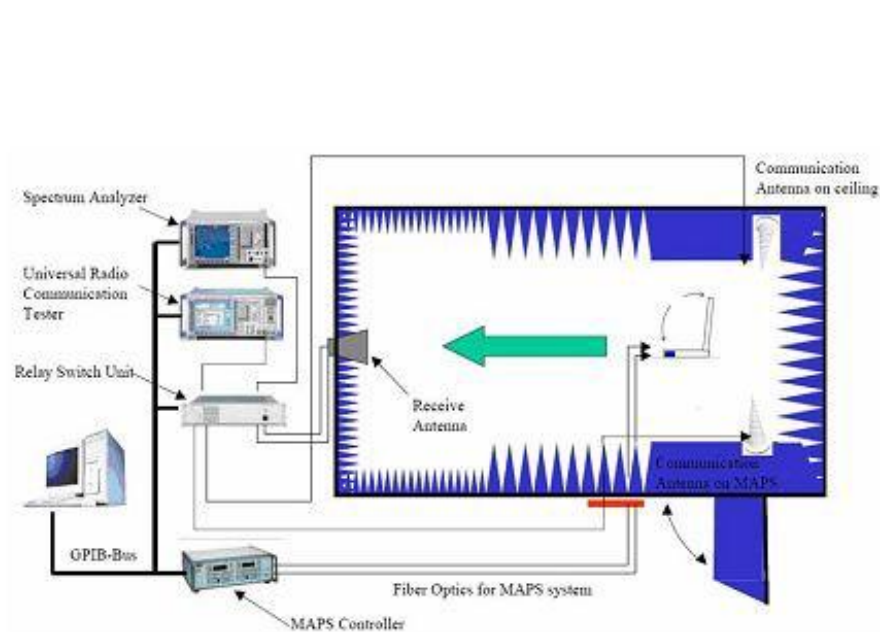
A. Electrical Characteristics	
Frequency	2400 MHz ~2500 MHz
VSWR	< 2.5
Efficiency	>40%
Impedance	50 Ohm Linear
Polarization	>0.5dbi
Gain	Maximum: 1.8
B. Material & Mechanical Characteristics	
Material of Radiator	PCB black
Cable Type	
Connector Type	
Dimension	
C. Environmental	
Operation Temperature	-10 °C ~ + 50 °C
Storage Temperature	- 30 °C ~ + 85 °C

Test Equipment & Conditions

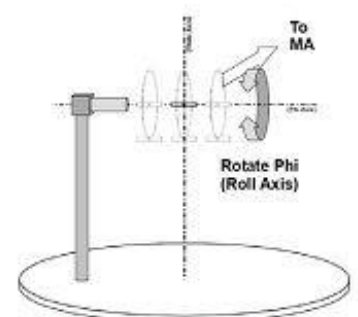
1. Network Analyzers :

Agilent 8753D 5071B

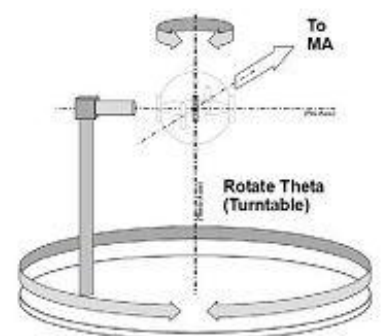
2. 3D Chamber Test System



(Testing by 3D anechoic chamber)

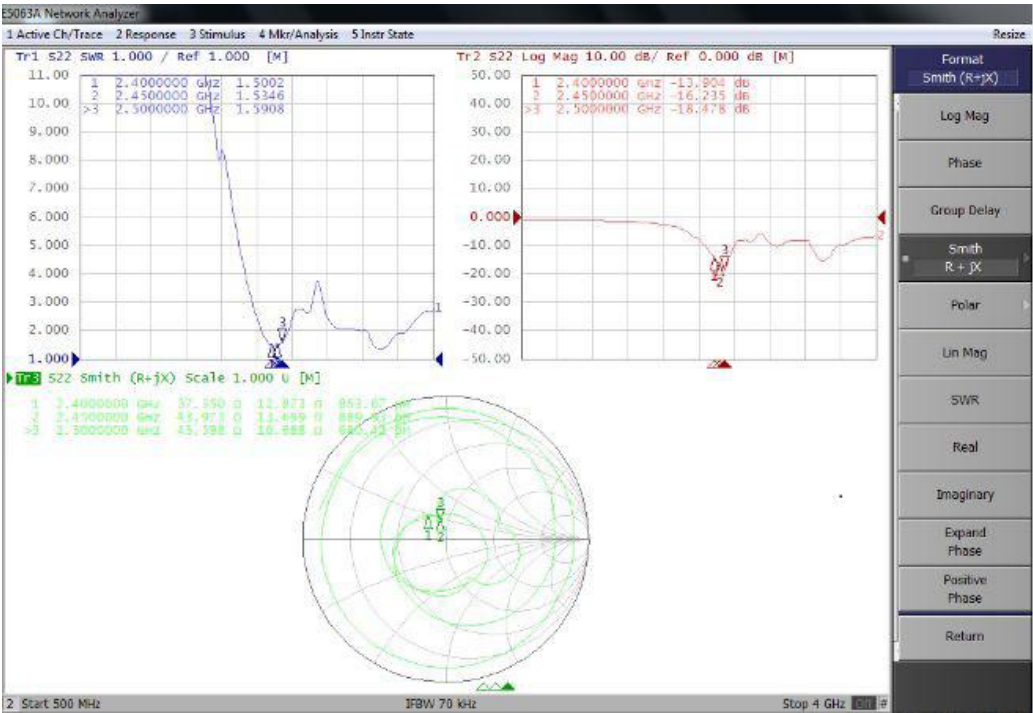


Phi axis test

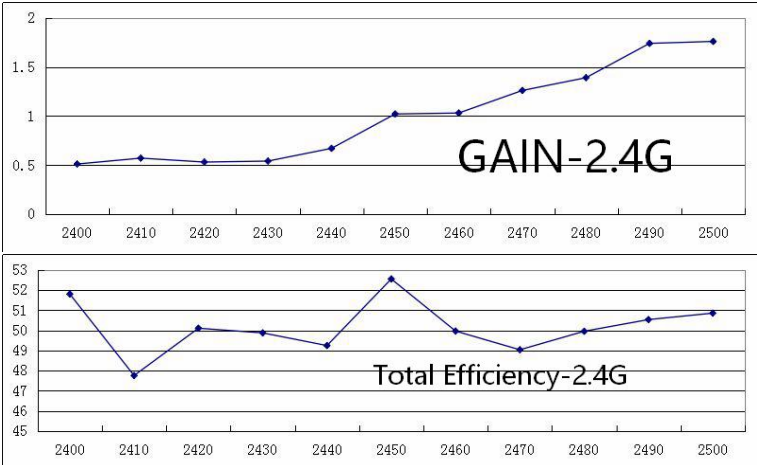


Theta axis test

3.Antenna Impedance: S11 (parameter)

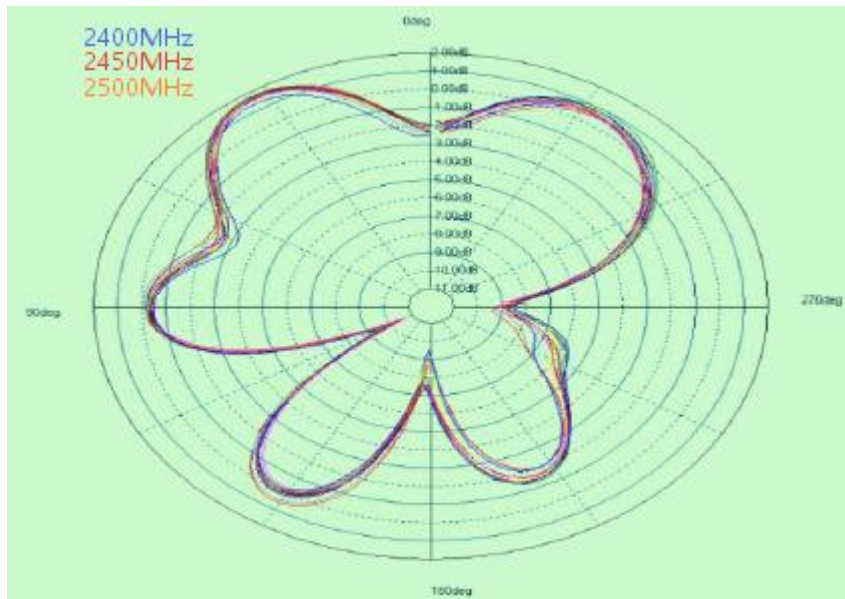


4. WIFI Antenna Gain/Efficiency

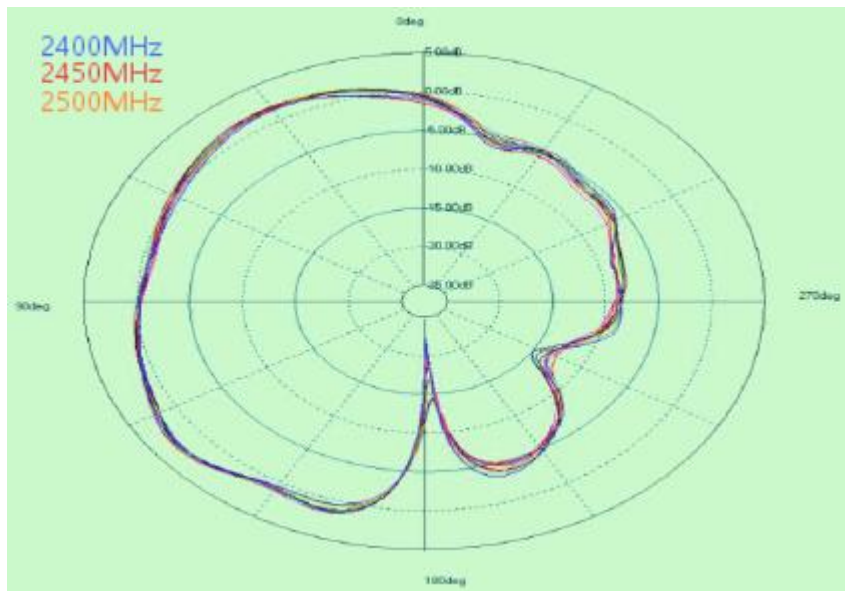


Frequency (MHz)	Gain(dBi)	Efficiency(%)
2400	0.5	51.9
2410	0.55	47.9
2420	0.51	50.1
2430	0.52	50
2440	0.7	49.2
2450	1	51.8
2460	1.1	50
2470	1.3	49
2480	1.4	50
2490	1.75	50.6
2500	1.8	50.9

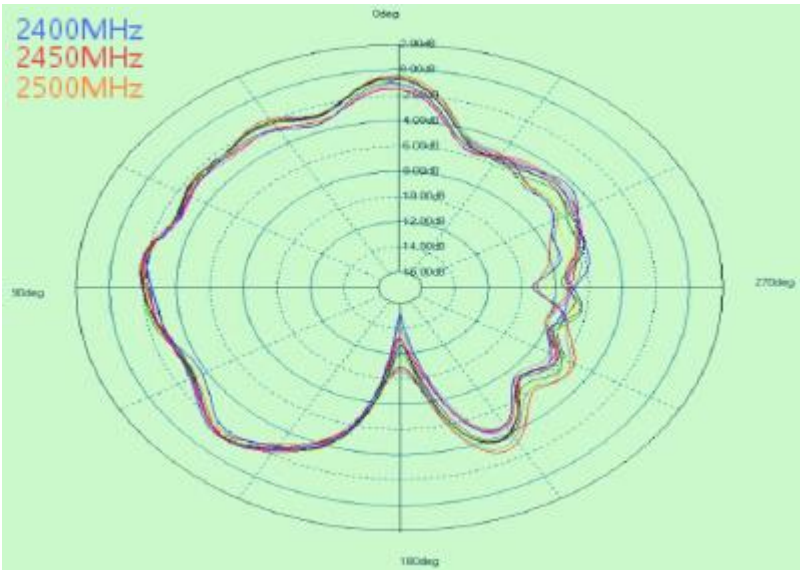
5. directional diagram (xy plane, $Z=0$)



6. directional diagram (xy plane, $Y=0$)



7. directional diagram(YZ plane, X=0)



8. Apple Chart

