

SPECIFICATIONS FOR APPROVAL

Customer Name: Shenzhen Yolanda Technology Co., Ltd

Product Name: BT antenna

Product Model: C2100C10

Part Number:

Write By : 邹丛

Issued Date: 2023-03-27

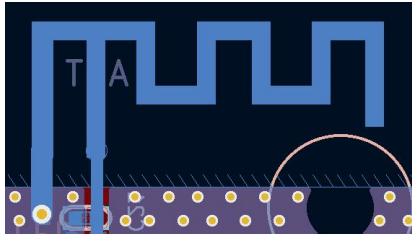
CUSTOMER

ENGINEER R&D DEPT	BUSSINESS DEPT	APPROVED BY

SOUTHSTAR

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

The basic parameters:

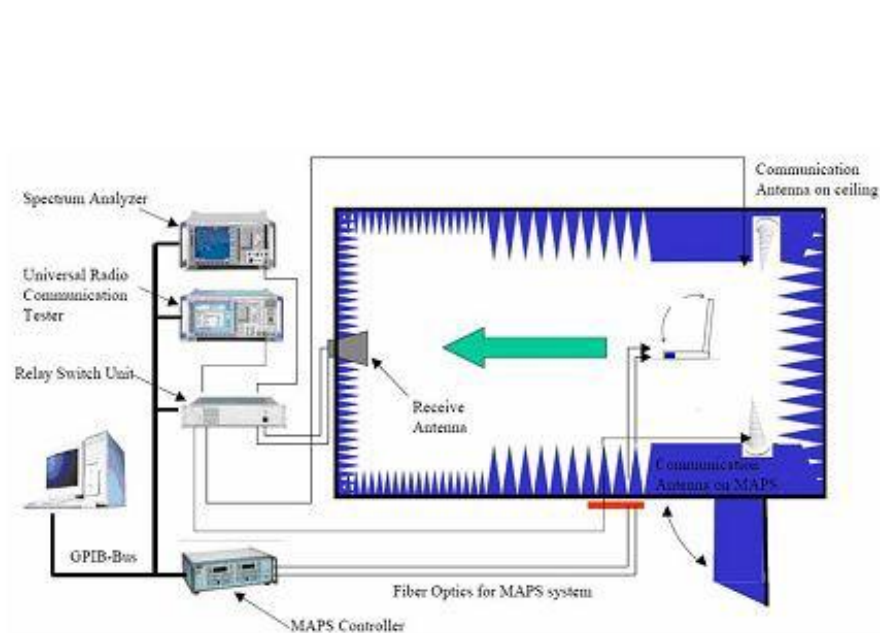
A. Electrical Characteristics	
Frequency	2400 MHz ~2500 MHz
VSWR	< 2
Efficiency	>40%50
Impedance	Ohm
Polarization	Linear
Gain	1.7dbi
B. Material & Mechanical Characteristics	
Material of Radiator	PCB black
Cable Type	
Connector Type	
Dimension	
C. Environmental	
Operation Temperature	-10 °C ~+ 50 °C
Storage Temperature	- 30 °C ~+ 85 °C

Test Equipment & Conditions

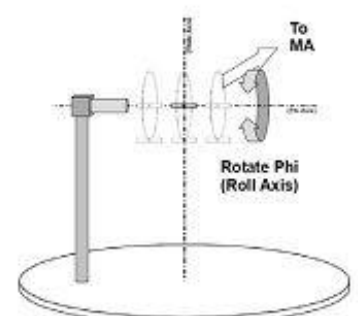
1. Network Analyzers :

Agilent E5071C

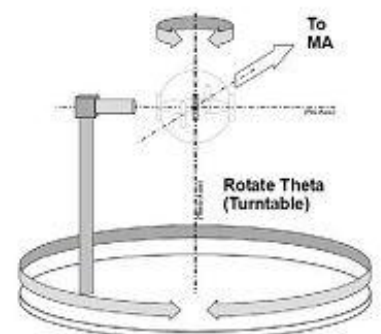
2. 3D Chamber Test System



(Testing by 3D anechoic chamber)

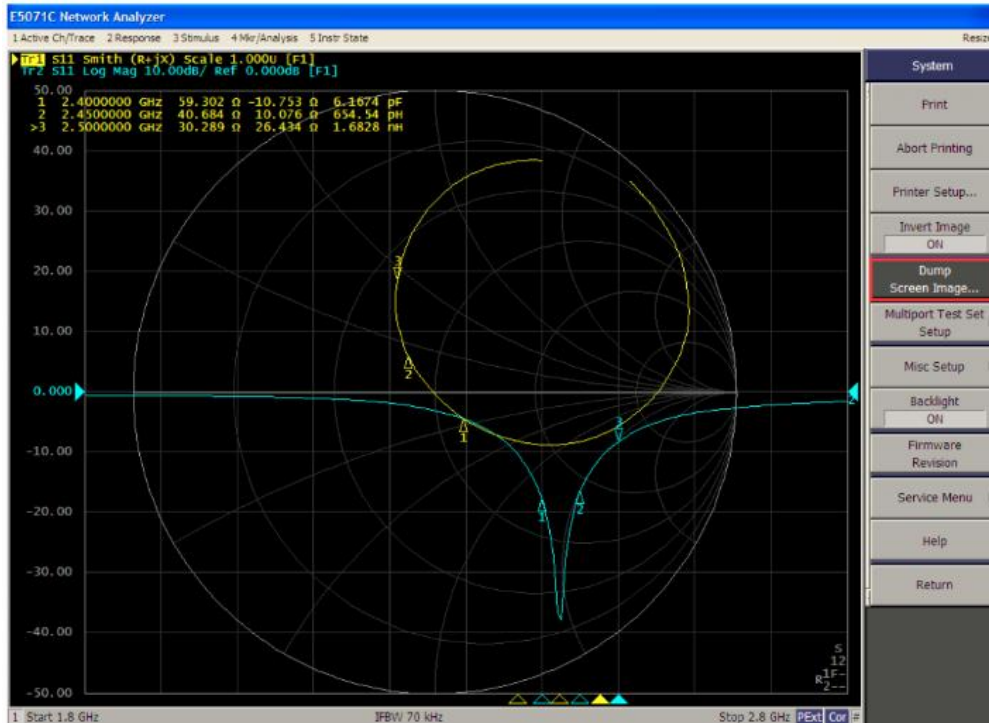


Phi axis test

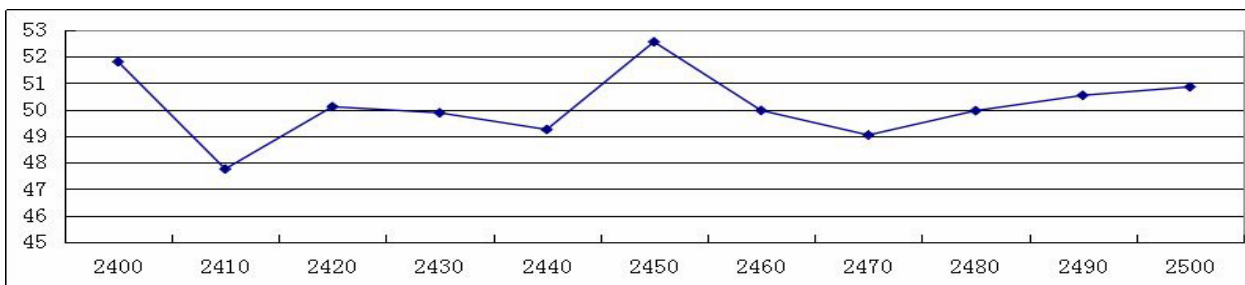


Theta axis test

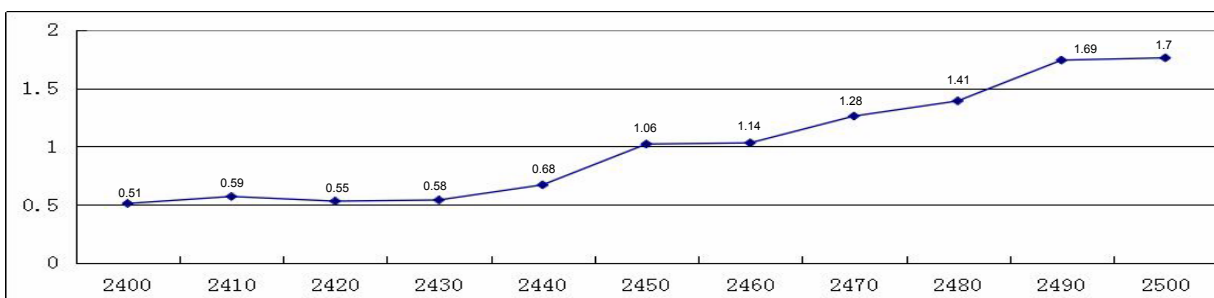
3. Antenna Impedance: S11 (parameter)



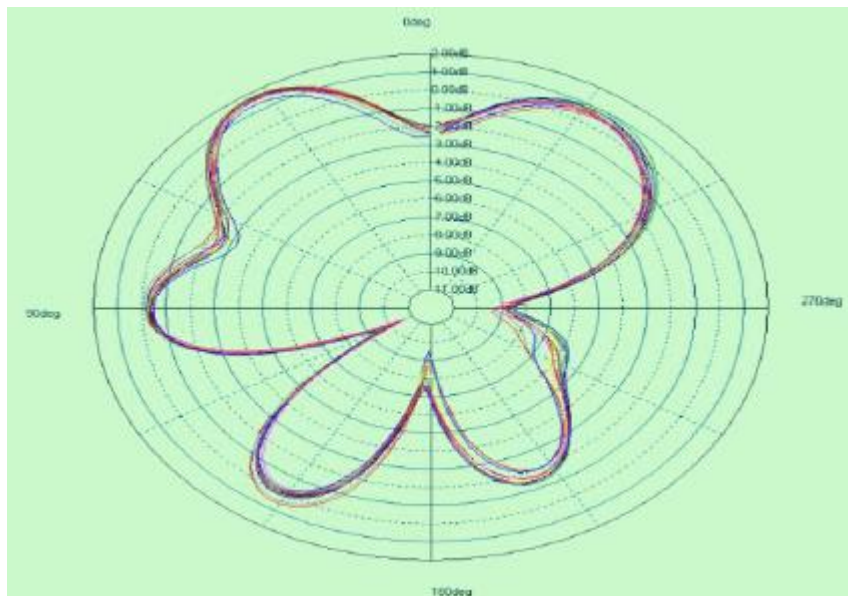
4. TotalEfficiency-2.4G:



5. GAIN-2.4G:

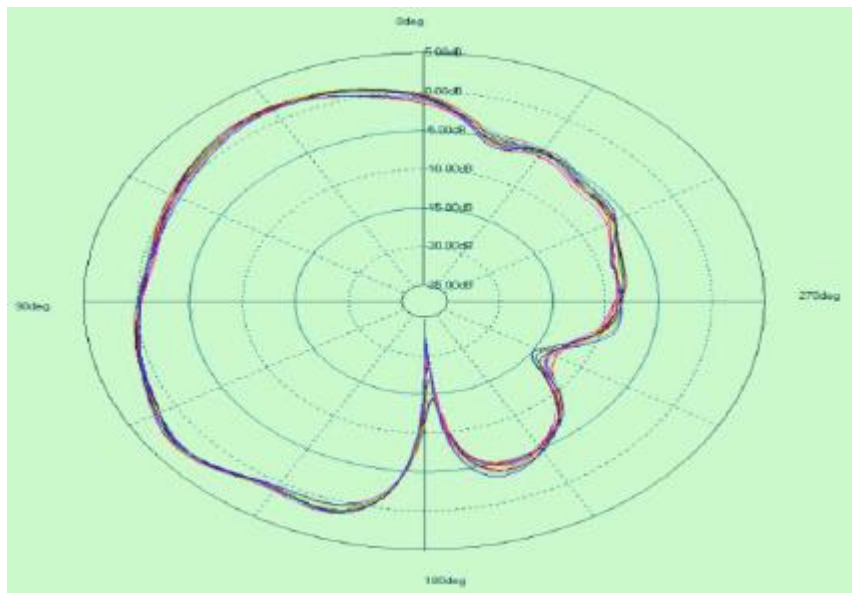


6.01 directional diagram (xy plane, $Z=0$)



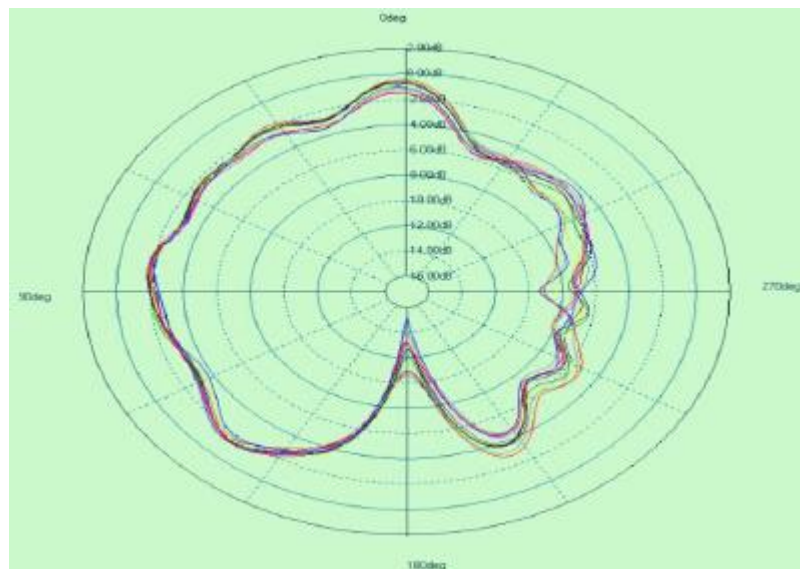
Max: 2
Min: -11
Scale: 1/div

6.02 directional diagram (xy plane, $Y=0$)



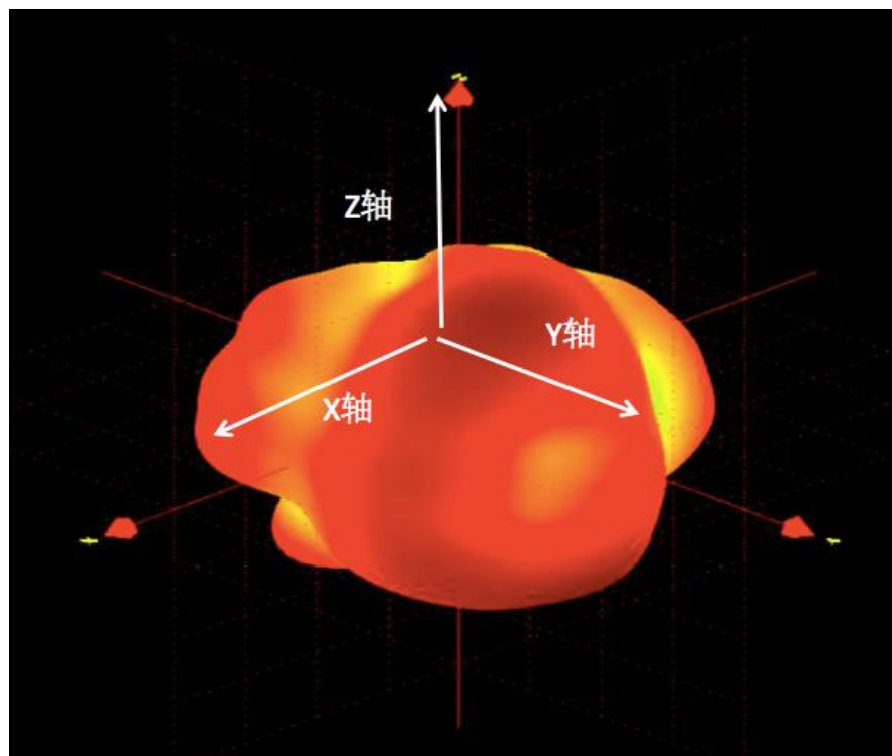
Max: 5
Min: -25
Scale: 5/div

6.03 directional diagram(YZ plane, X=0)



Max: 2
Min:-16
Scale:2/div

6.03 Apple Chart



7. Installation method

