

SPECIFICATIONS FOR APPROVAL

Customer Name: _____ 伊欧乐

Product Name: _____ BT 天线

Product Model: _____ C2200BA10

Part Number: _____

Write By : _____ 覃荣发

Issued Date: _____ 2023-05-05

CUSTOMER

ENGINEER R&D DEPT	BUSSINESS DEPT	APPROVED BY

SOUTHSTAR

R & D DEPT	ENGINEER R&D DEPT	APPROVAL

The basic parameters:

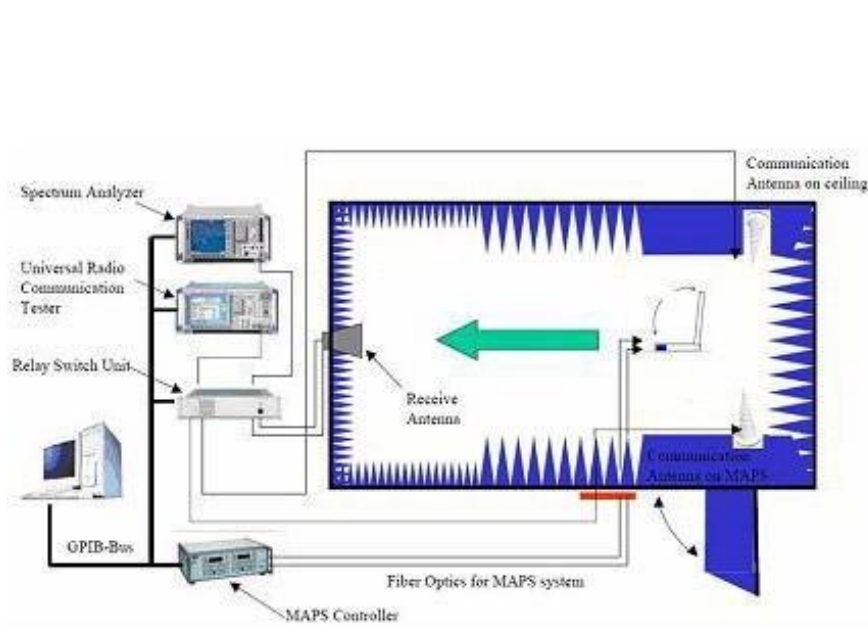
A. Electrical Characteristics	
Frequency	2400 MHz ~2500 MHz
VSWR	< 2
Efficiency	>40%
Impedance	50 Ohm
Polarization	Linear
Gain	>0.5dbi
B. Material & Mechanical Characteristics	
Material of Radiator	PCB black
Cable Type	
Connector Type	
Dimension	
C. Environmental	
Operation Temperature	-10 °C ~ + 50 °C
Storage Temperature	- 30 °C ~ + 85 °C

Test Equipment & Conditions

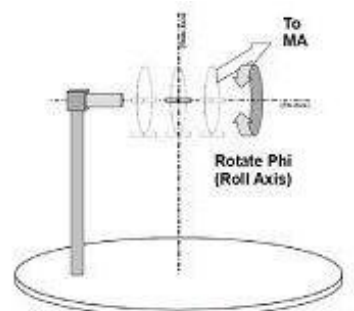
1. Network Analyzers :

Agilent E5071C

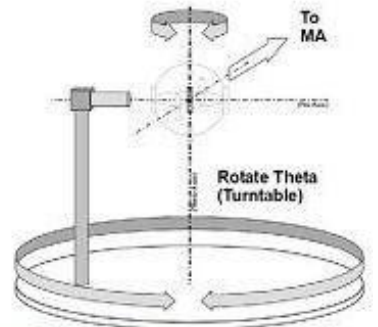
2. 3D Chamber Test System



(Testing by 3D anechoic chamber)

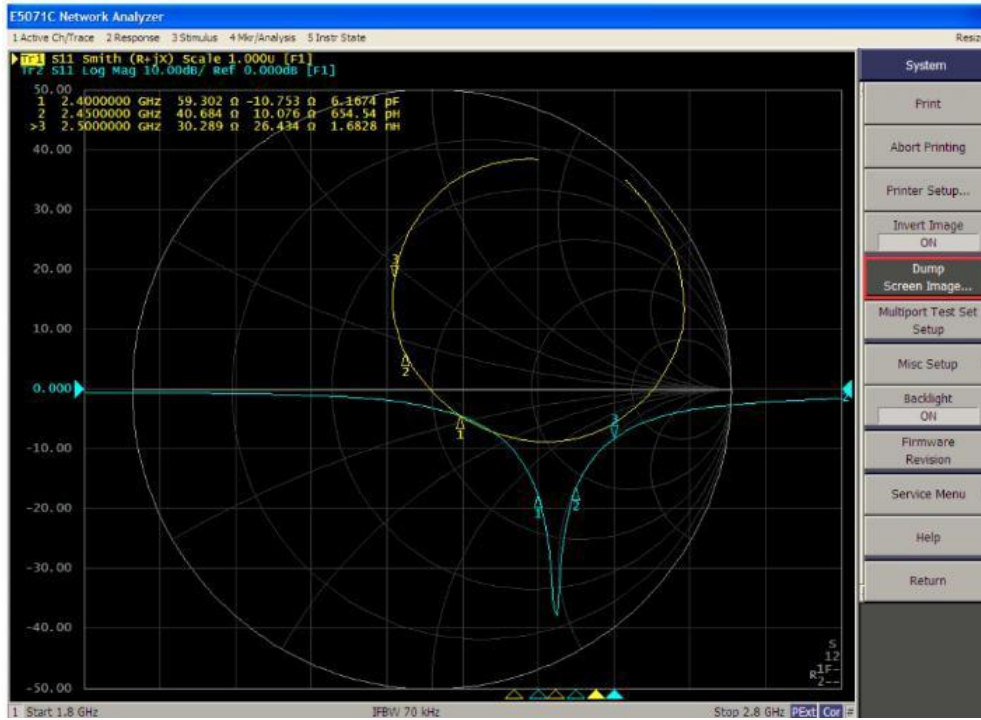


Phi axis test

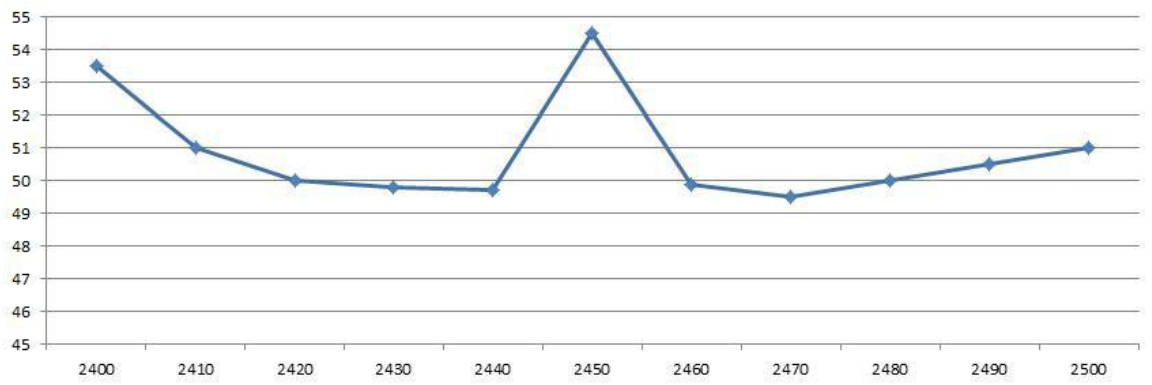


Theta axis test

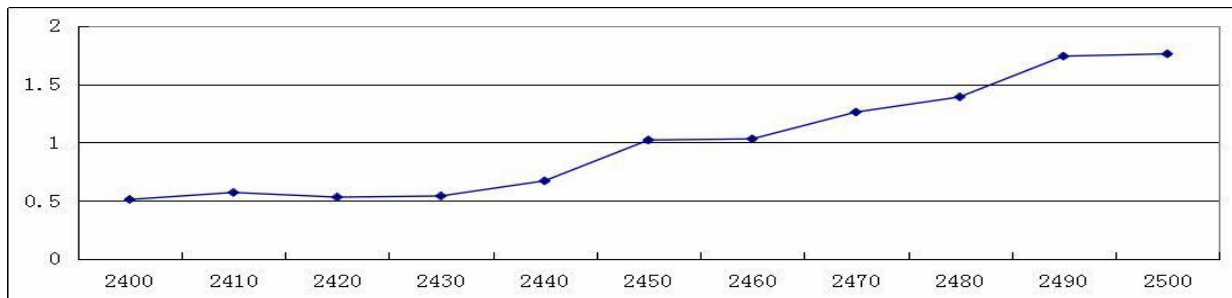
3. Antenna Impedance: S11 (parameter)



4. Total Efficiency-2.4G:

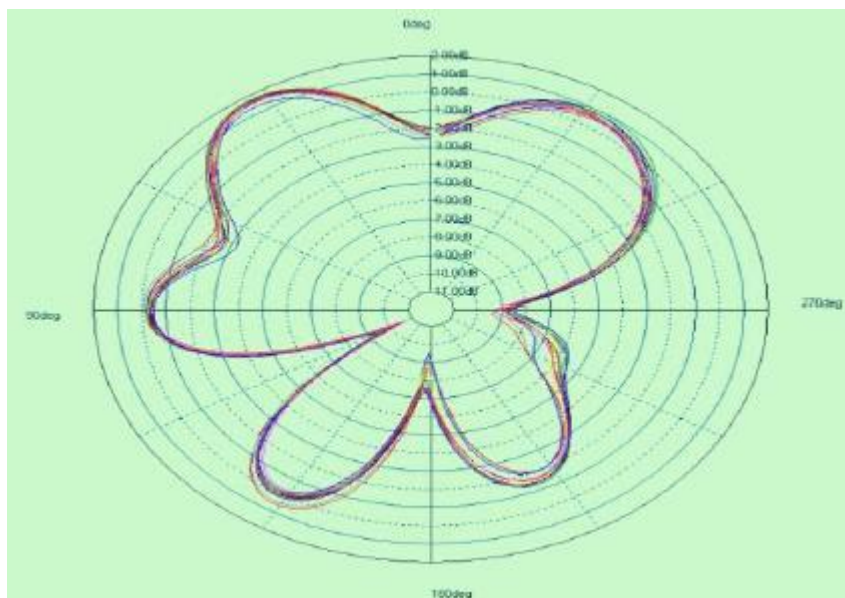


5. GAIN-2.4G:

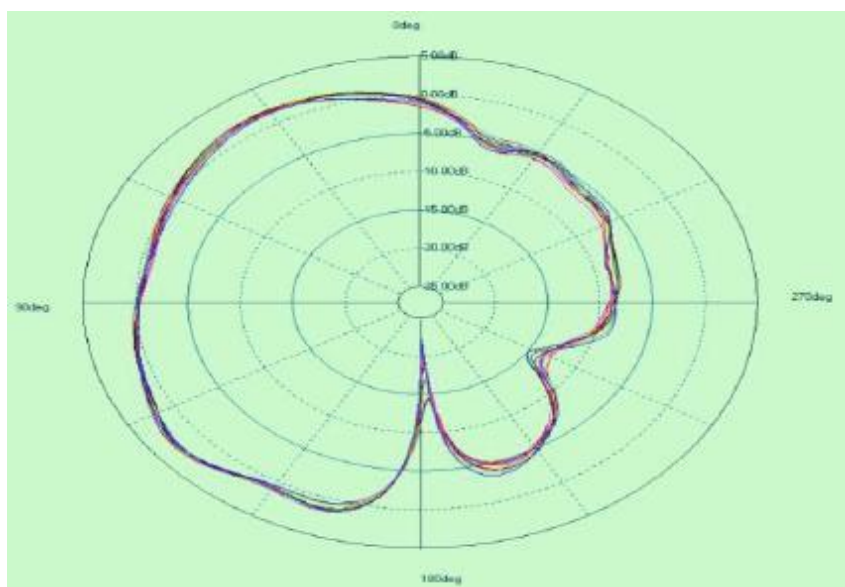


天线增益表											
频点	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
增益	0.51	0.58	0.52	0.53	0.68	1.02	1.08	1.28	1.41	1.75	1.78

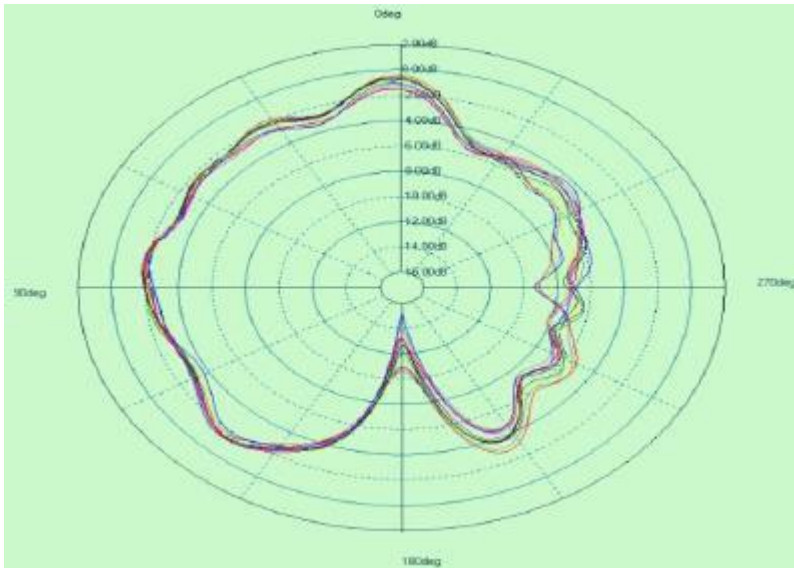
6.01 directional diagram (xy plane, Z=0)



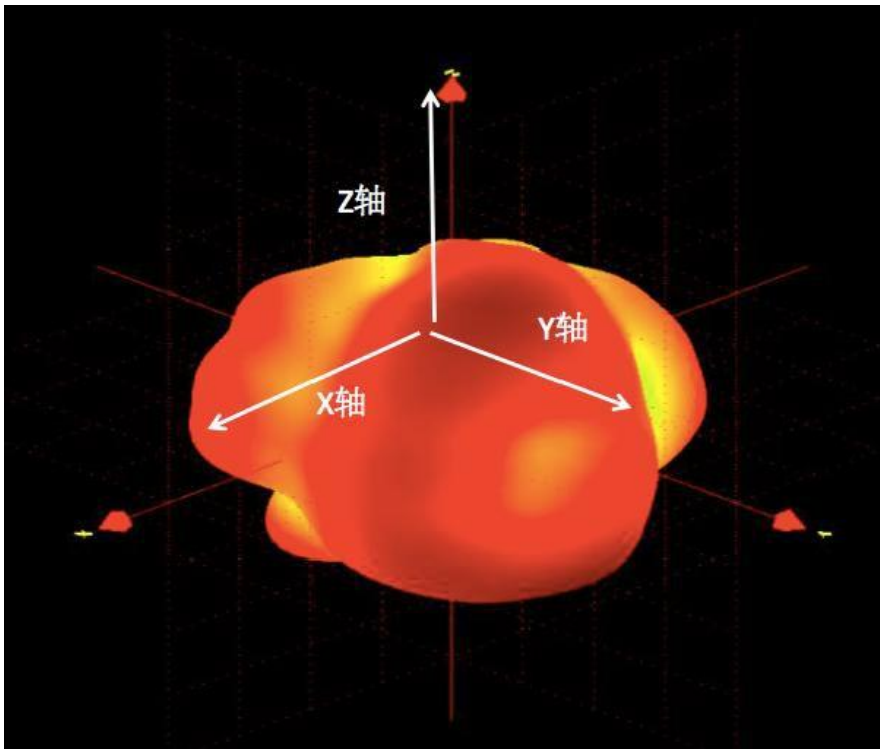
6.02 directional diagram (xy plane, Y=0)



6.03 directional diagram(YZ plane, X=0)



6.03 Apple Chart



7. Installation method

