

SPECIFICATIONS FOR APPROVAL

Customer Name: Shenzhen Yolanda Technology Co., Ltd.

Address: Room 201,Jinfulai Building,No.49-1,Dabao Road,Dalang
Area,Xinan Street,Baoan,Shenzhen,China

Product Name: BT 天线

Product Model: C21001A12

Part Number: _____

Write By : Issued 李志鹏

Date: 2022-6-13

CUSTOMER

ENGINEER R&D DEPT	BUSSINESS DEPT	APPROVED BY

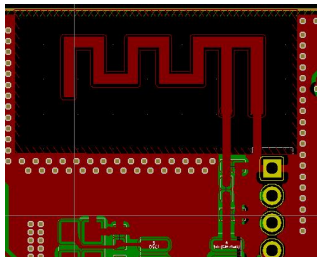
SOUTHSTAR

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	>0.5dbi Max: 1.78dbi

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

B. Material & Mechanical Characteristics	
Material of Radiator	PCB black
Cable Type	
Connector Type	
Dimension	
	14.60*5.65 mm

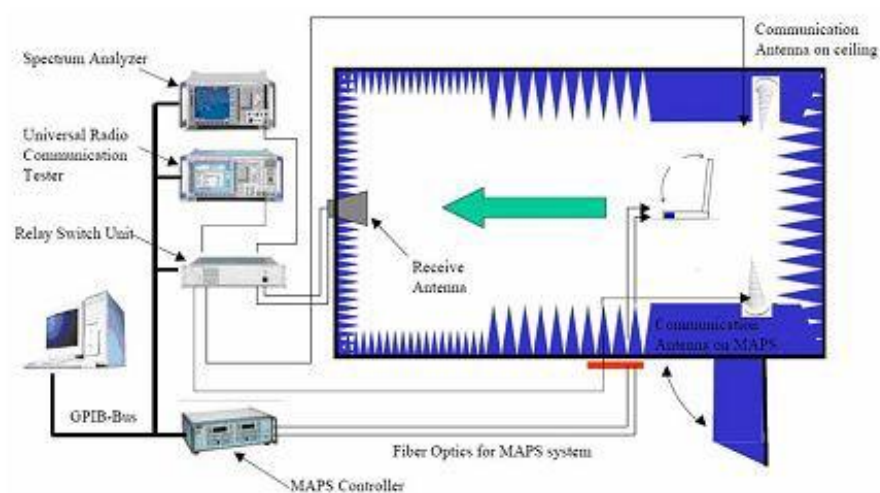
C. Environmental	
Operation Temperature	-10 °C ~ + 50 °C
Storage Temperature	- 30 °C ~ + 85 °C

Test Equipment & Conditions

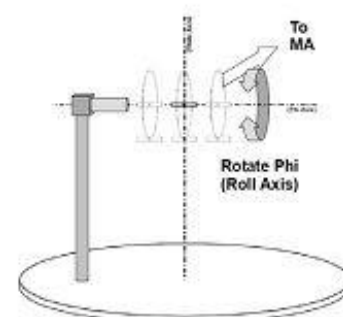
1. Network Analyzers :

Agilent 8753D 5071B

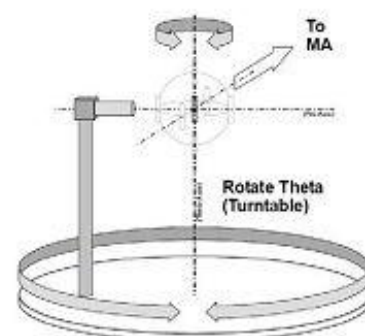
2. 3D Chamber Test System



(Testing by 3D anechoic chamber)

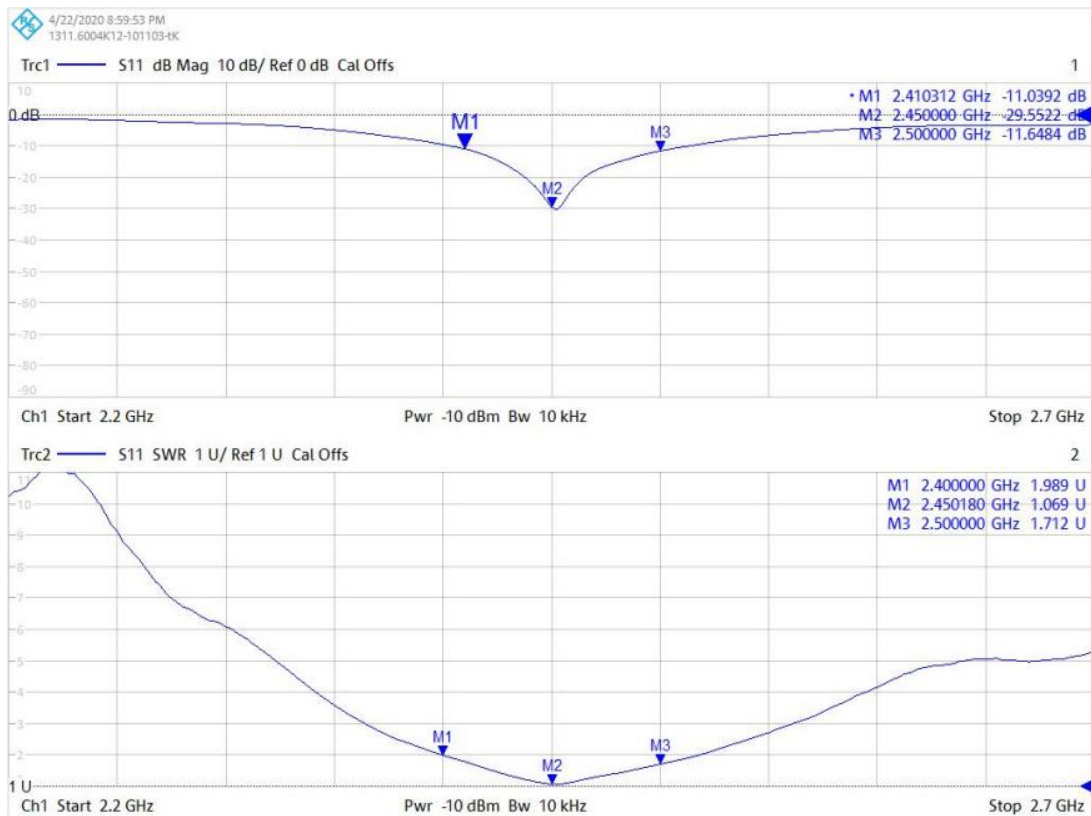
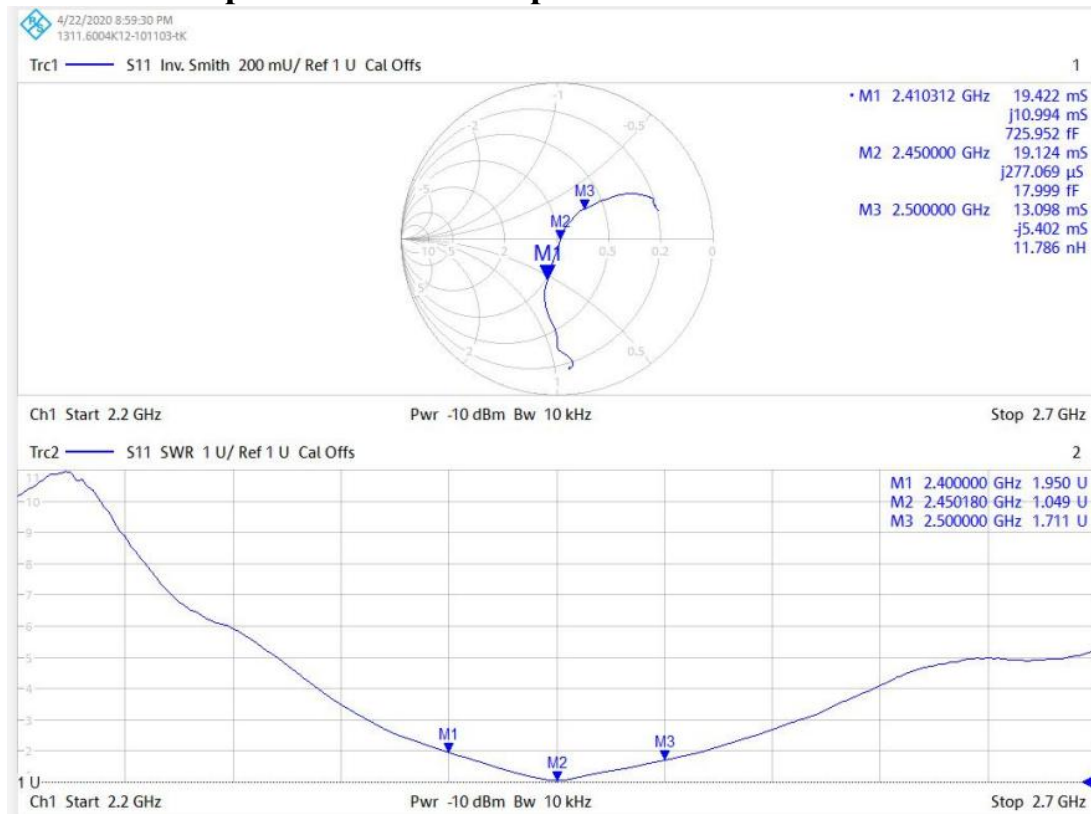


Phi axis test

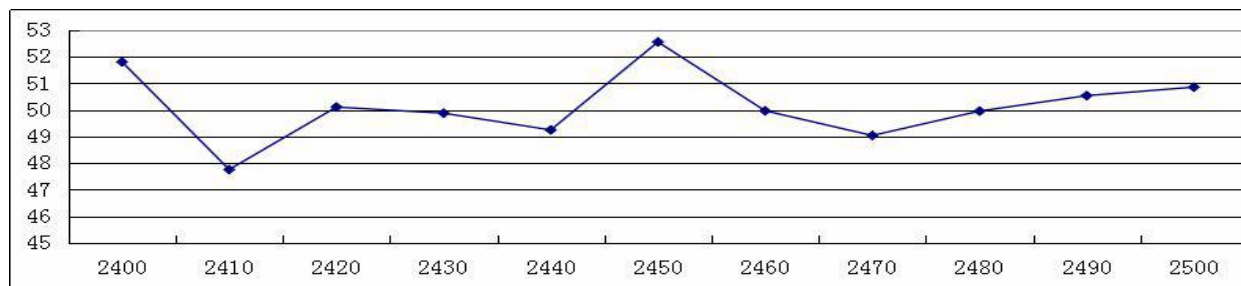


Theta axis test

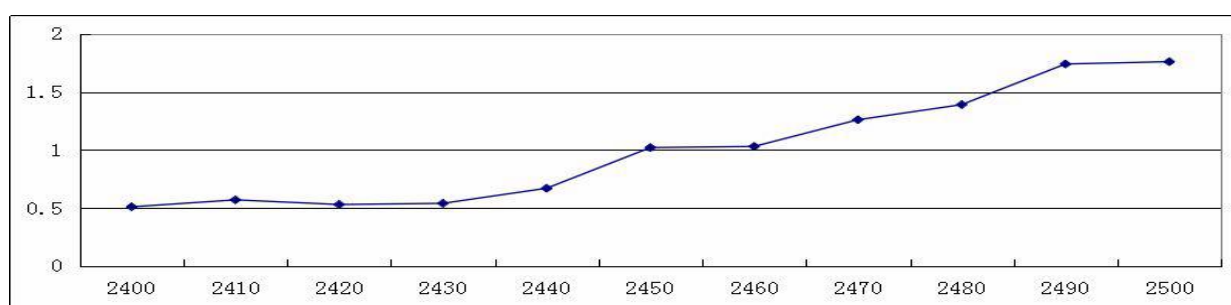
3. Antenna Impedance: S11 (parameter)



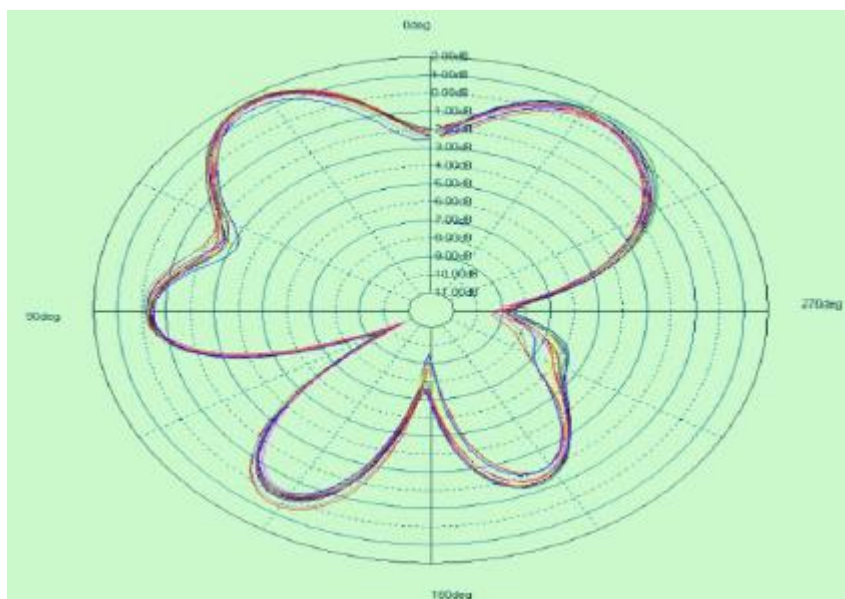
4. Total Efficiency-2.4G:



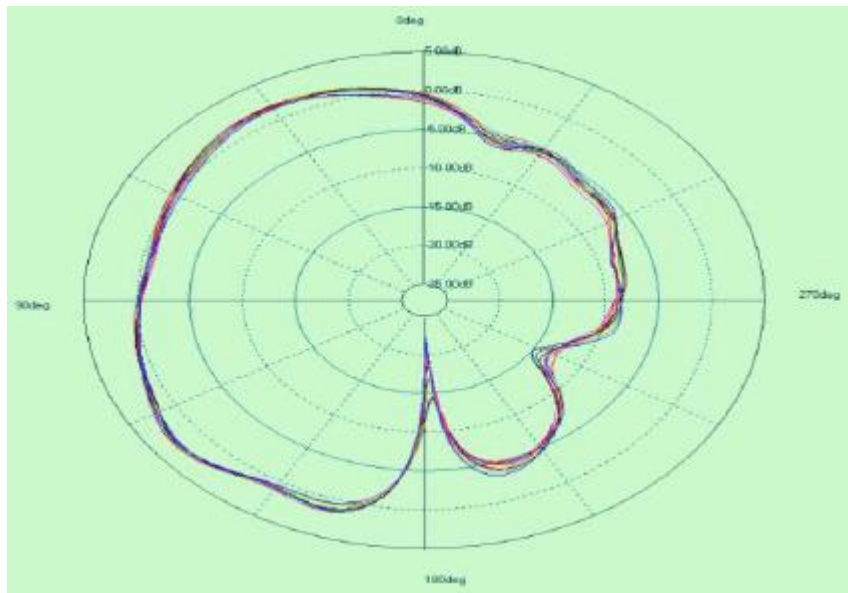
5. GAIN-2.4G:



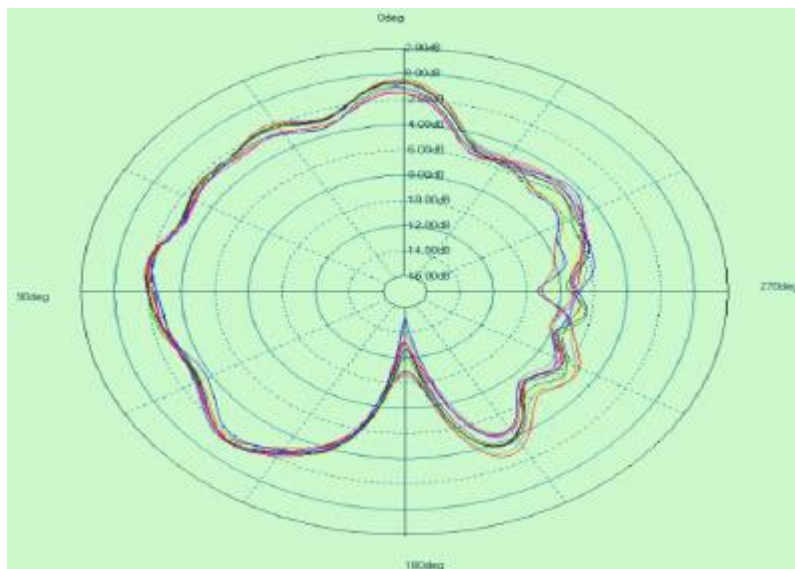
6.01 directional diagram (xy plane, Z=0)



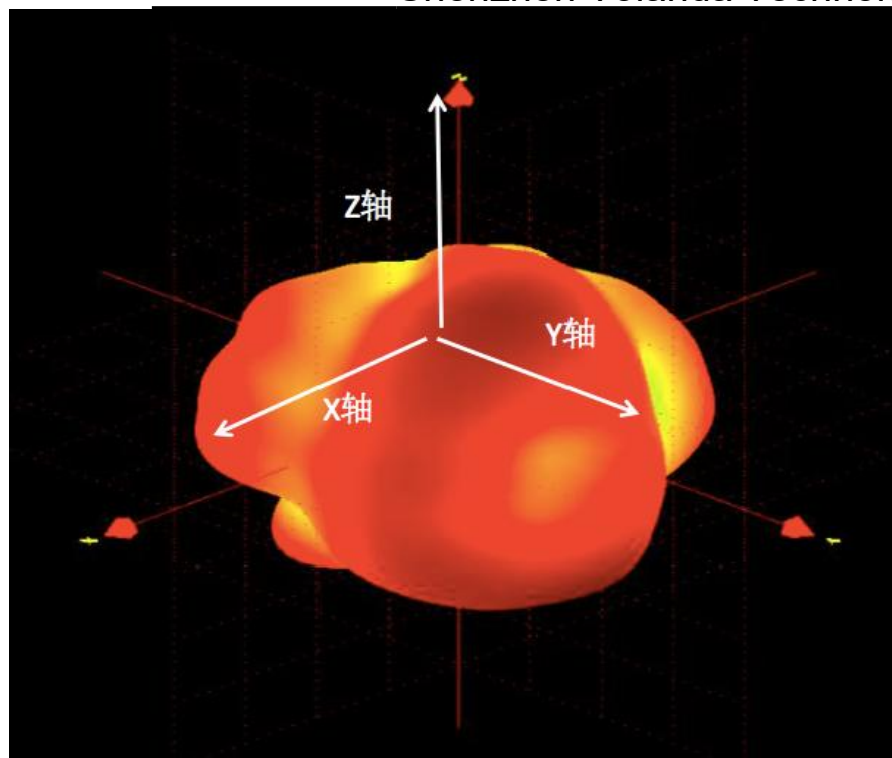
6.02 directional diagram (xy plane, Y=0)



6.03 directional diagram(YZ plane, X=0)



6.03 Apple Chart



7. Installation method

