

SPECIFICATIONS FOR APPROVAL

CustomerName: Shenzhen Yolanda Technology Co., Ltd.

ProductName: BT Antenna

ProductModel: C23001E11

Address: Shenzhen Baoan district Dabao street A201

Write By: _____

IssuedDate: 2024-1-20

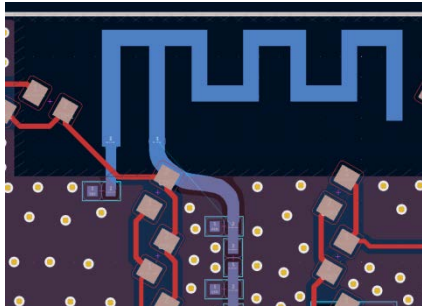
CUSTOMER

ENGINEER R&D DEPT	BUSSINESS DEPT	APPROVED BY

SOUTHSTAR

R & D DEPT	ENGINEER R&D DEPT	APPROVAL

The basic parameters:

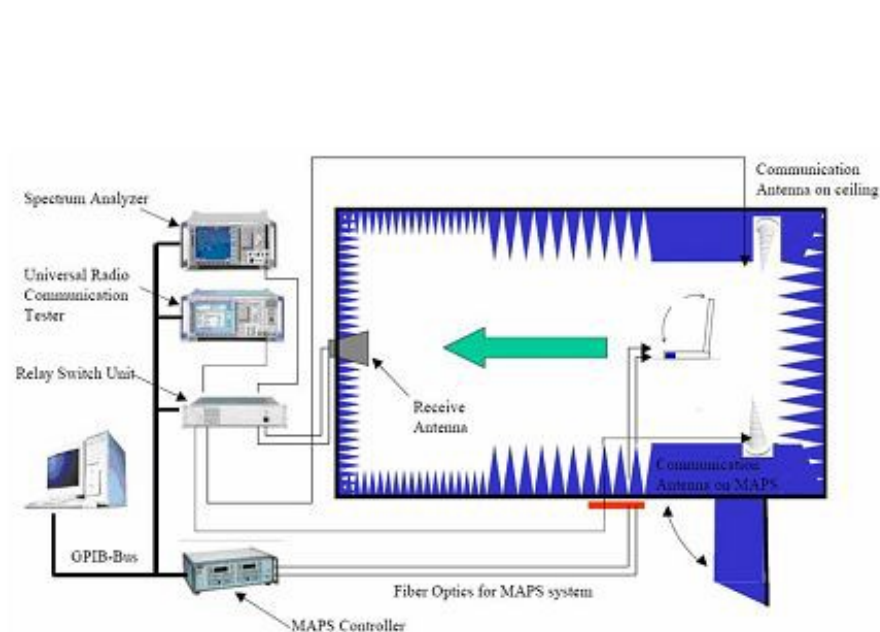
A. Electrical Characteristics	
Frequency	2400MHz~2500MHz
VSWR	<2
Efficiency	>40%
Impedance	50Ohm
Polarization	Linear
Gain	1.7 dBi
B. Material & Mechanical Characteristics	
Material of Radiator	PCB black PIFA
Cable Type Connector Type Dimension	
C. Environmental	
Operation Temperature	-10 °C ~ +50 °C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

Test Equipment & Conditions

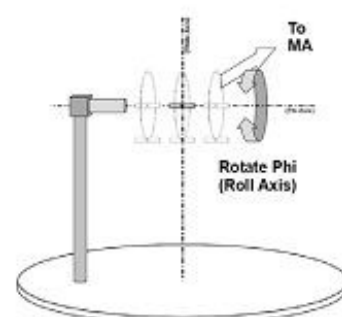
1. Network Analyzers:

Agilent 8753D 5071B

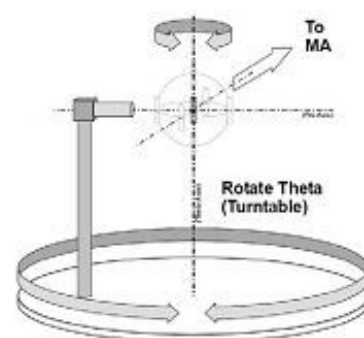
2. 3D Chamber Test System



(Testing by 3D anechoic chamber)

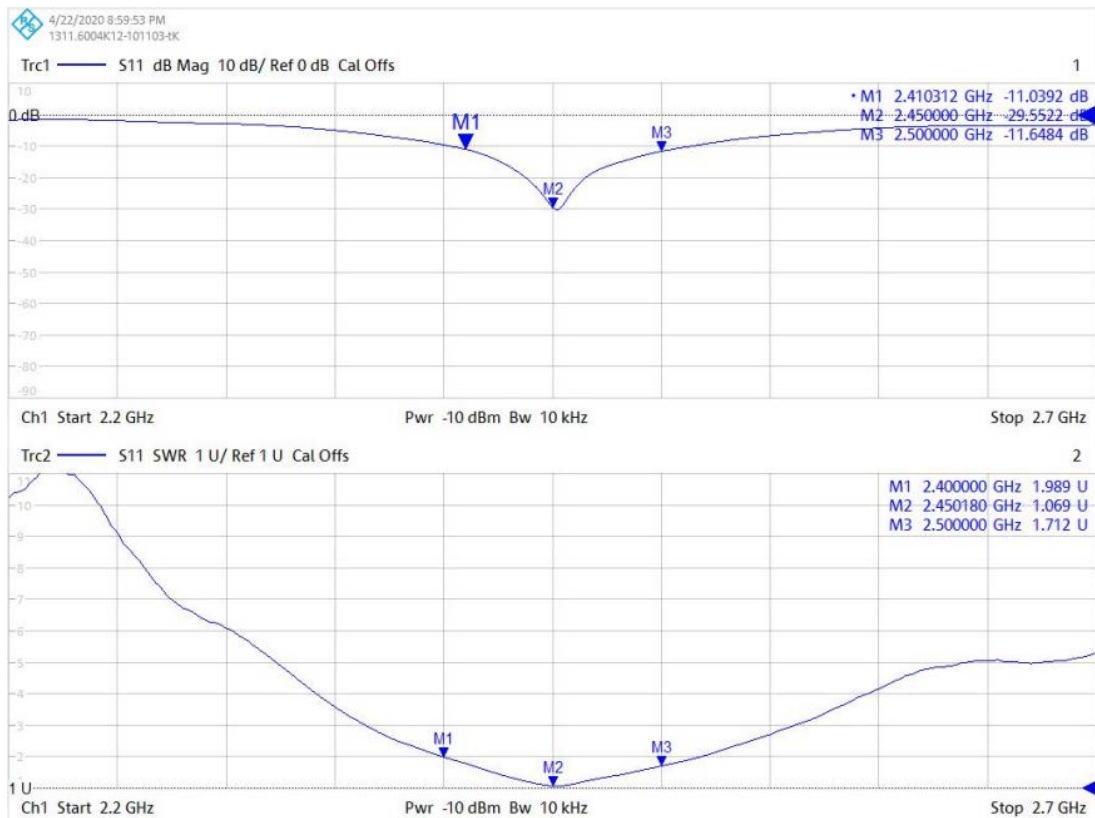
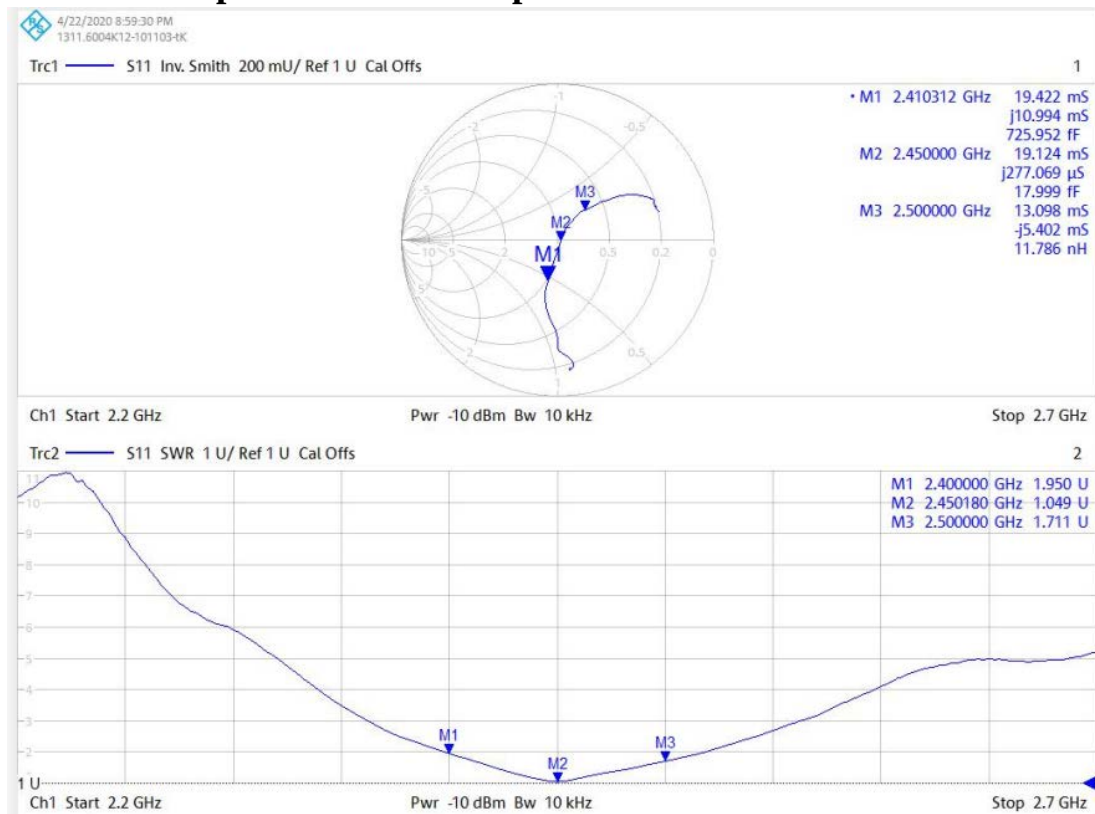


Phi axis test

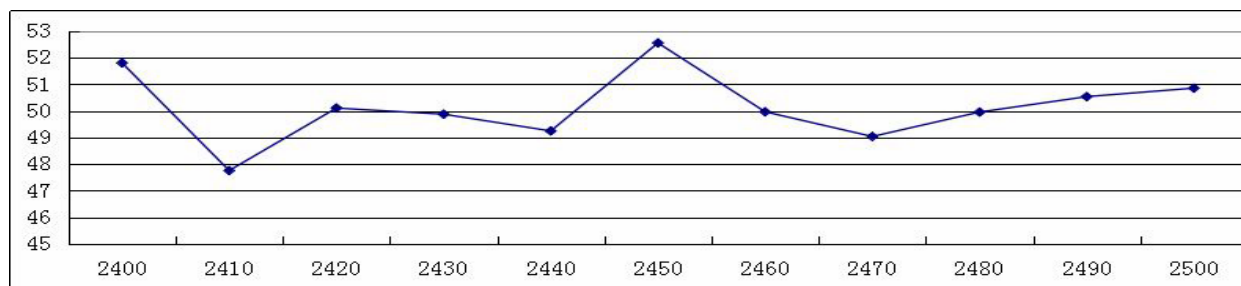


Theta axis test

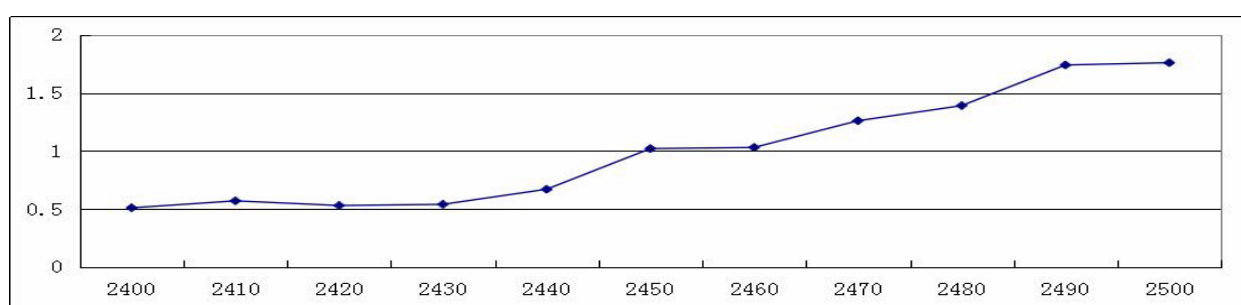
3. Antenna Impedance: S11 (parameter)



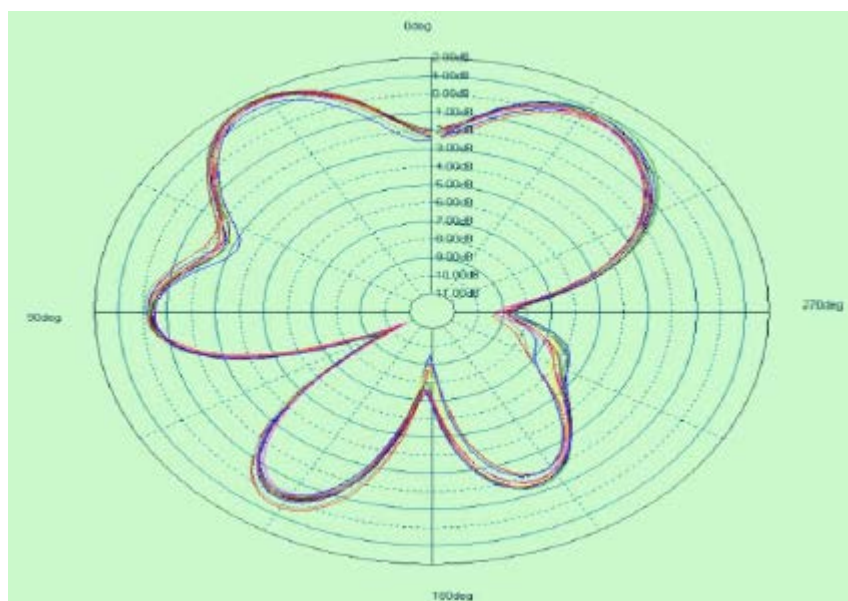
4. TotalEfficiency-2.4G:



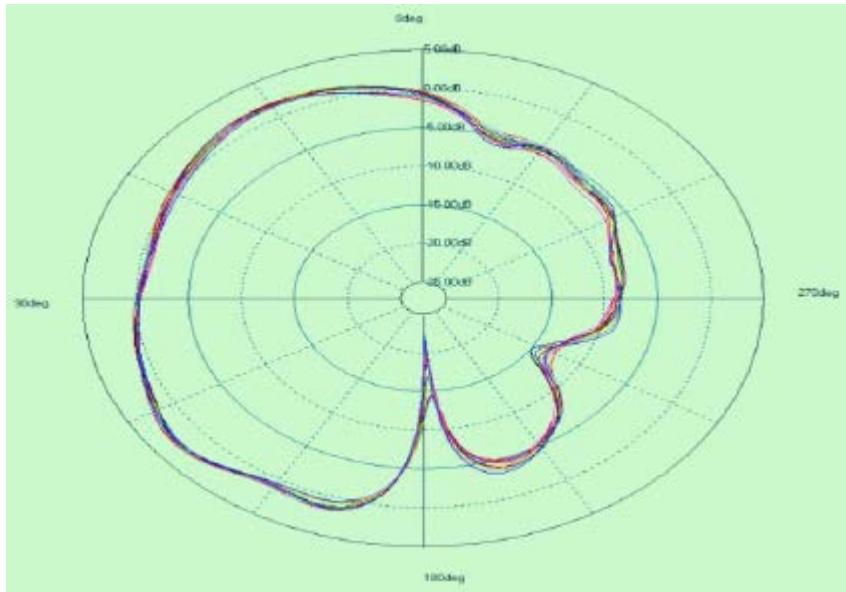
5. GAIN-2.4G:



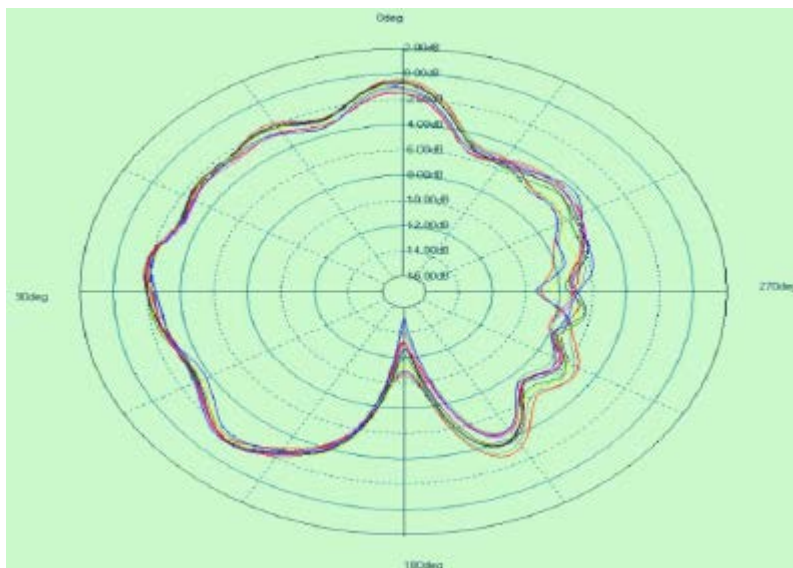
6. 01 directional diagram (xy plane, Z=0)



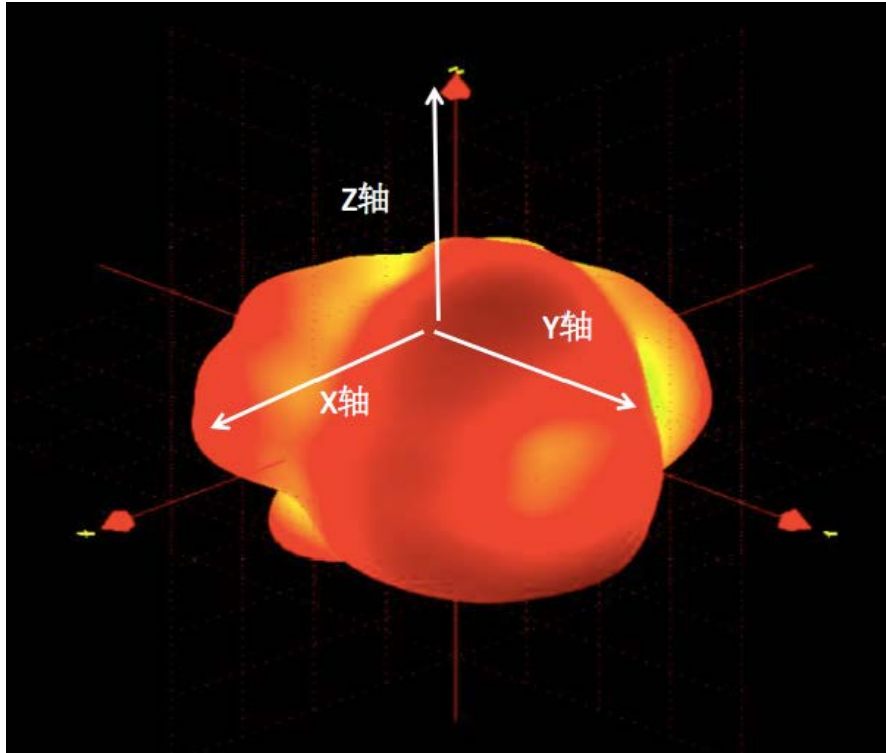
6.02 directional diagram (xy plane, Y=0)



6.03 directional diagram(YZ plane, X=0)



6.03 Apple Chart



7. Installation method

