

SPECIFICATIONS FOR APPROVAL

Customer Name: Zhejiang Xinnian Technology Co., Ltd.

Product Name: BT Ant

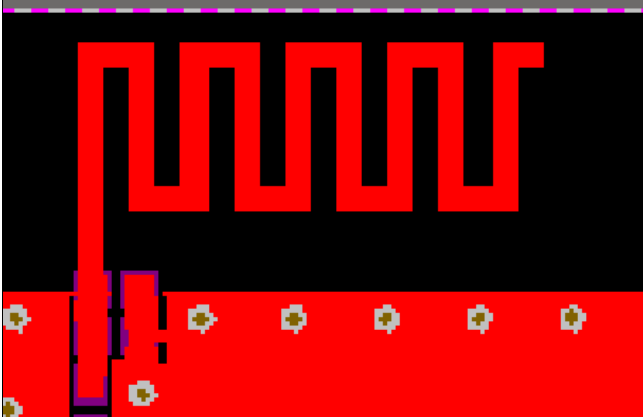
Product Model: C06002D1

Part Number:

Write By :

Issued Date: 2022-9-15

The basic parameters:

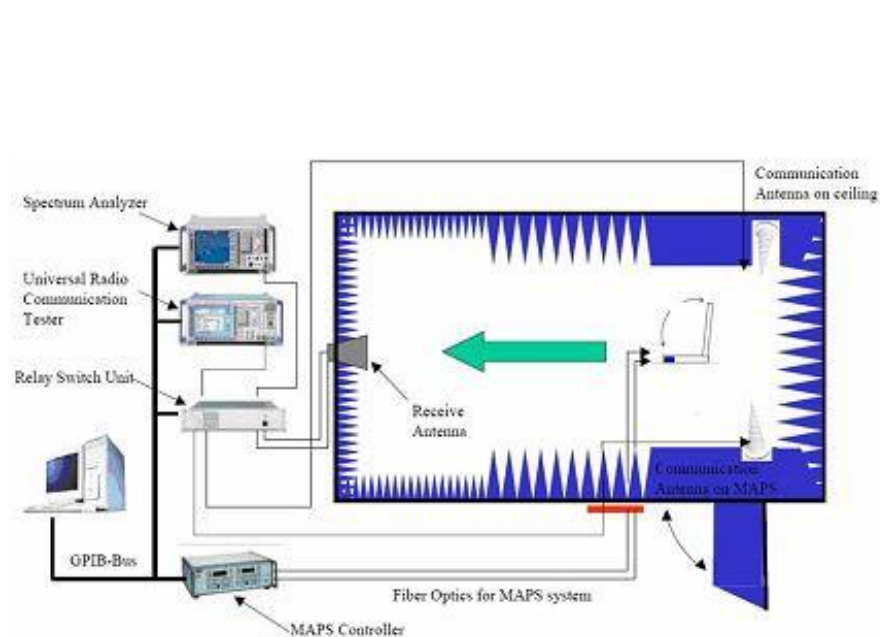
A. Electrical Characteristics	
Frequency	2400 MHz ~2500 MHz
VSWR	< 2
Efficiency	>40%
Impedance	50 Ohm
Polarization	Linear
Gain	1.8dbi(Max)
B. Material & Mechanical Characteristics	
Material of Radiator	
Cable Type	
Connector Type	
Dimension	
C. Environmental	
Operation Temperature	-10 °C ~ + 50 °C
Storage Temperature	- 30 °C ~ + 85 °C

Test Equipment & Conditions

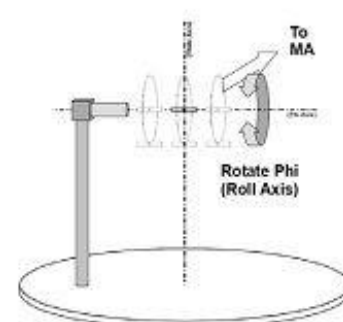
1. Network Analyzers :

Agilent 8753D 5071B

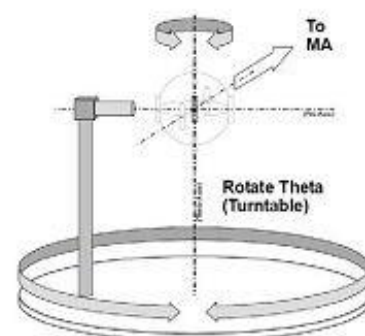
2. 3D Chamber Test System



(Testing by 3D anechoic chamber)

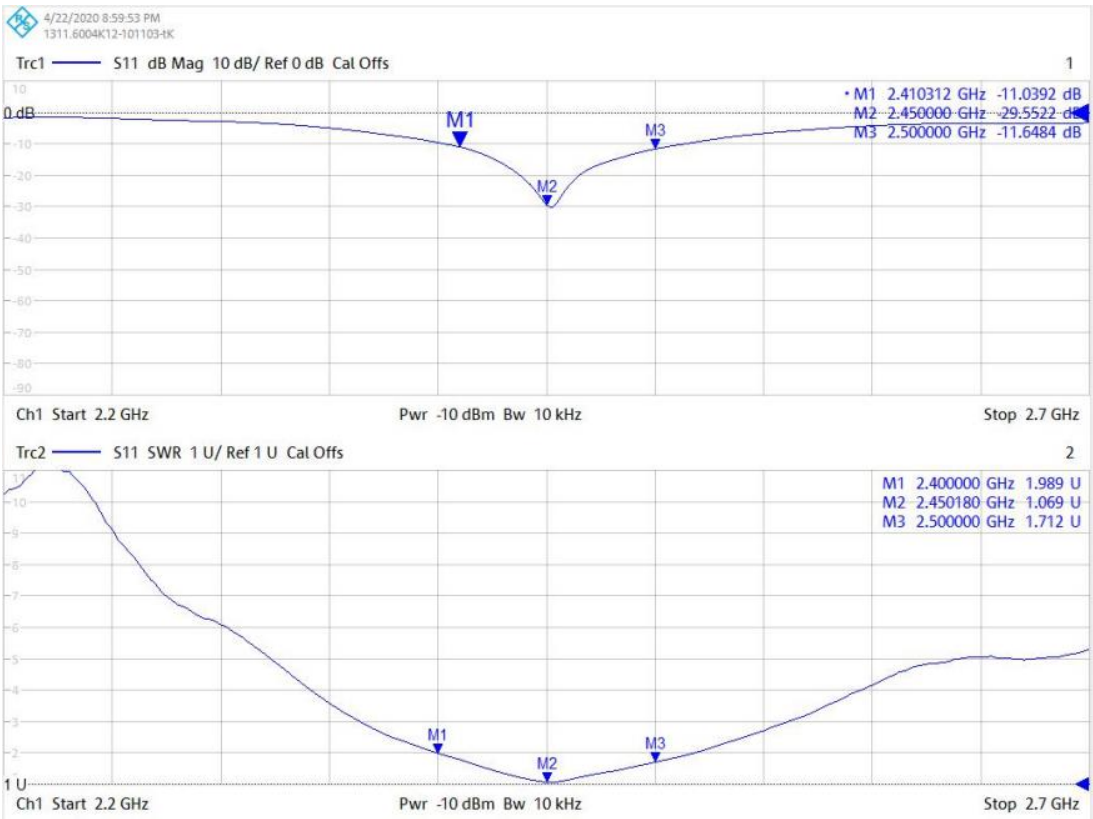
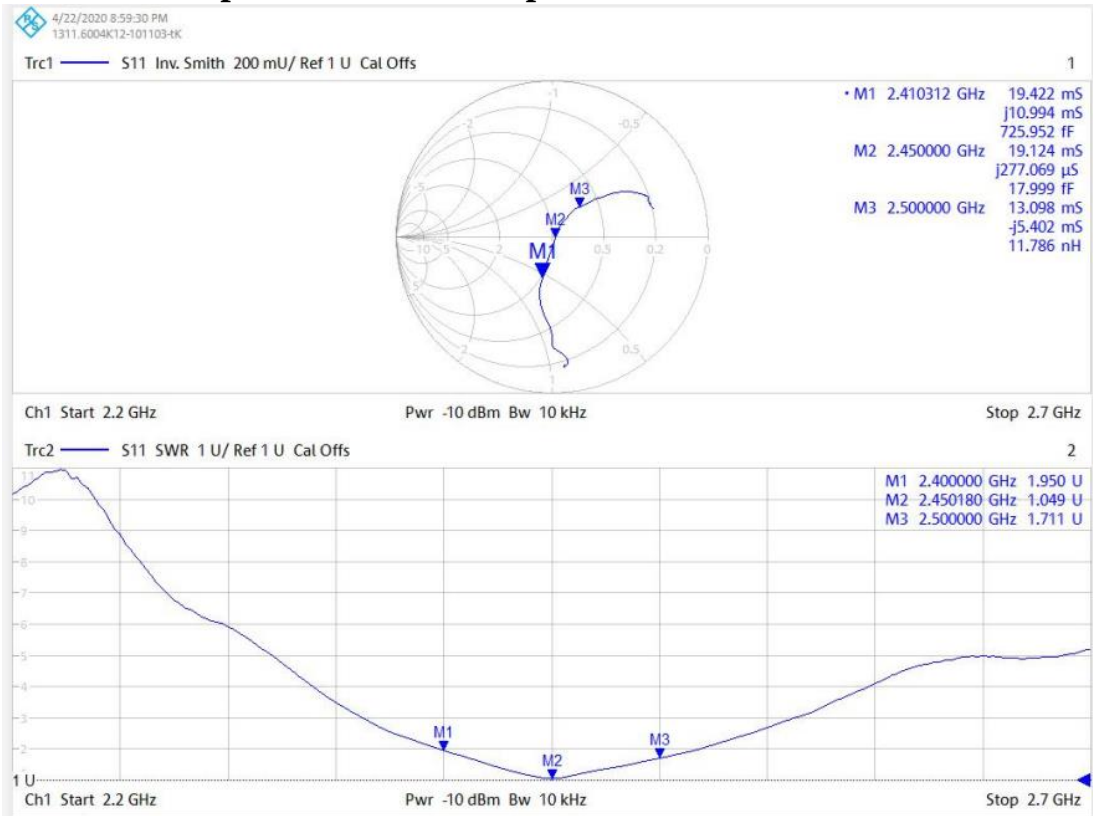


Phi axis test

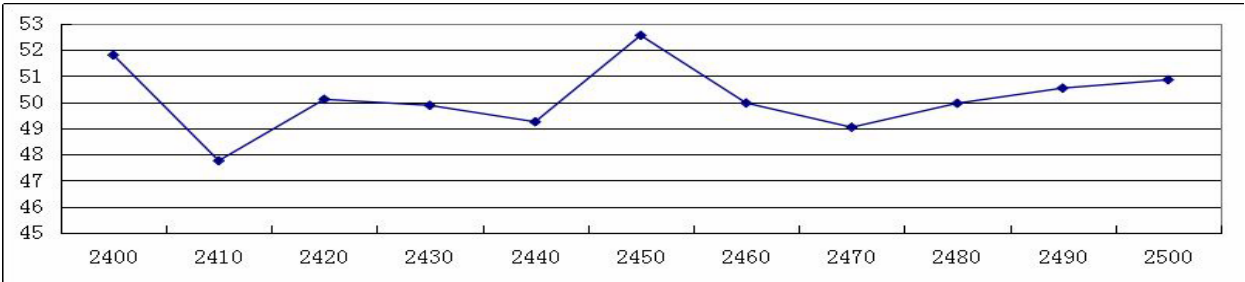


Theta axis test

3.Antenna Impedance: S11 (parameter)

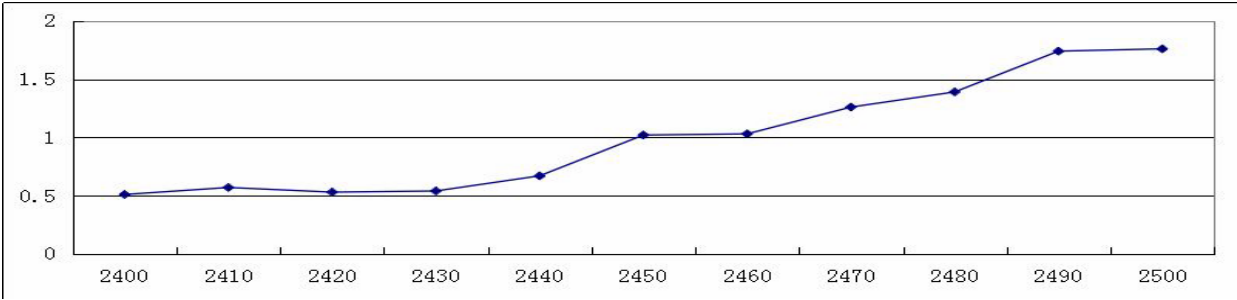


4. Total Efficiency-2.4G:

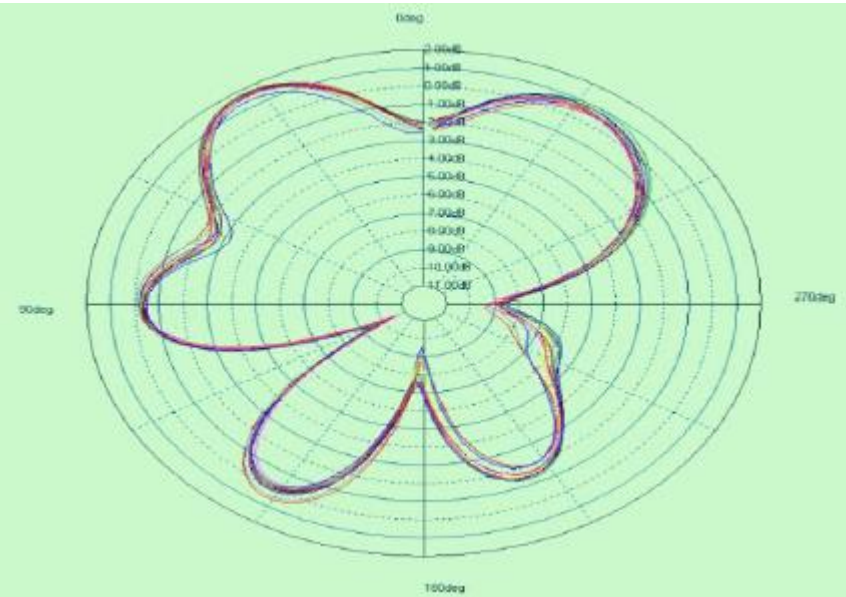


5. GAIN-2.4G:

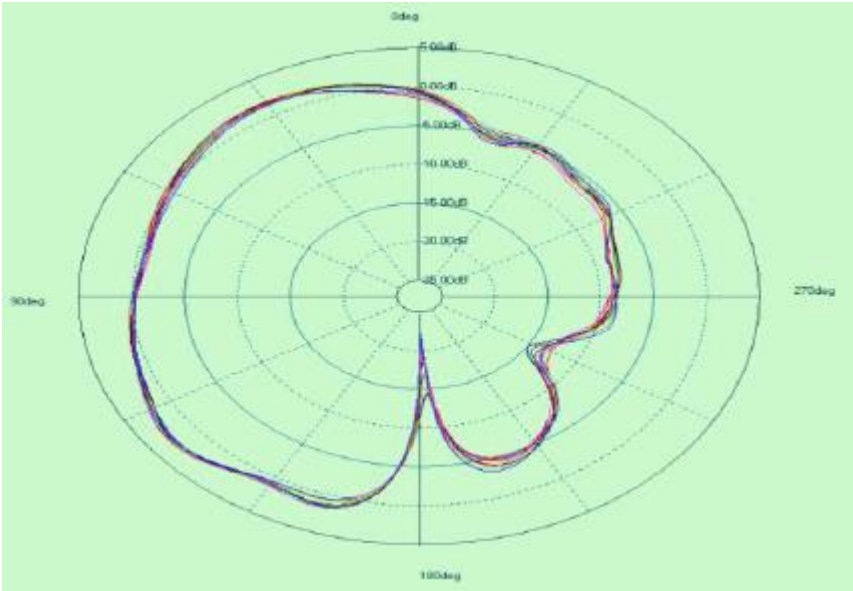
Frequency(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain(dBi)	0.50	0.61	0.51	0.52	0.63	1.00	1.02	1.23	1.45	1.75	1.80



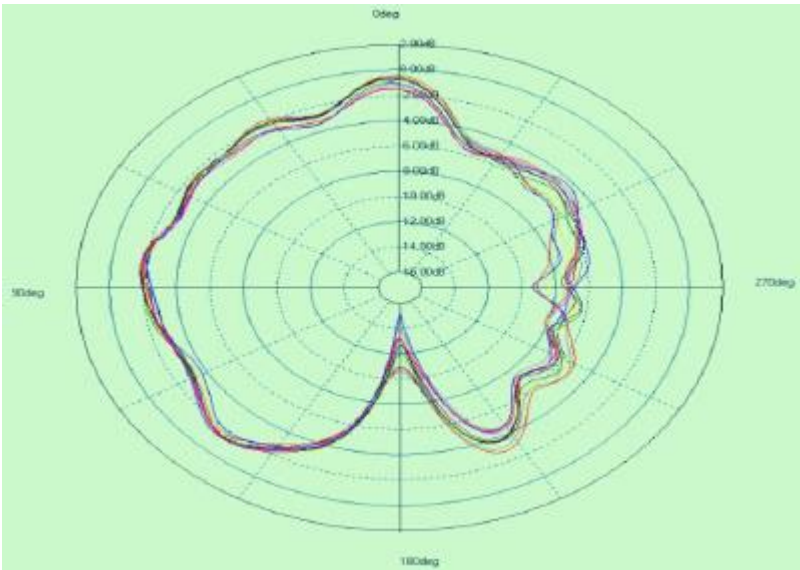
6. 01 directional diagram (xy plane, Z=0)



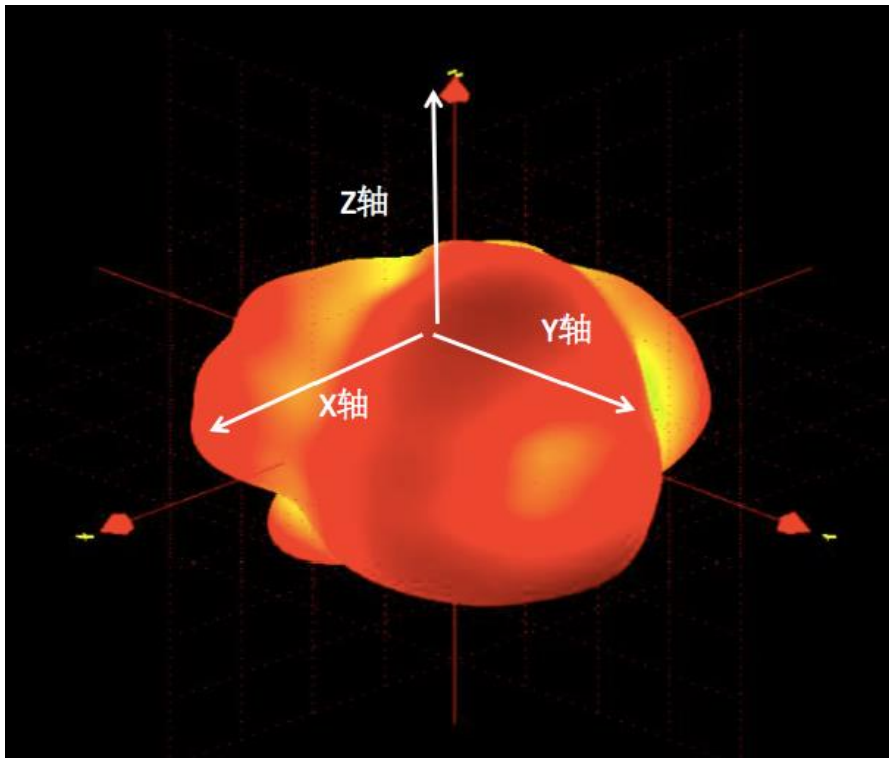
6.02 directional diagram (xy plane, Y=0)



6.03 directional diagram(YZ plane, X=0)



6.03 Apple Chart



7. Installation method

