

SPECIFICATIONS FOR APPROVAL

Customer Name: _____

Product Name: _____ RF Antenna _____

Production manufacturer: Dongguan Jingweixin Circuit Co., Ltd..

Manufacturer Address: Building 4, No. 2 Huanqi Avenue, Qishi Town,
Dongguan City, Guangdong Province

Write By : _____ Li Zhipeng _____

Issued Date: _____ 2021-9-15 _____

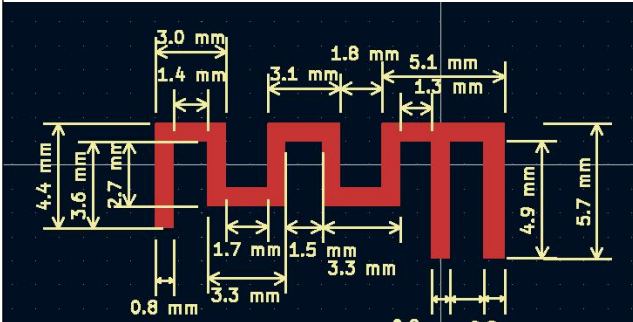
CUSTOMER

ENGINEER R&D DEPT	BUSSINESS DEPT	APPROVED BY

SOUTHSTAR

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

The basic parameters:

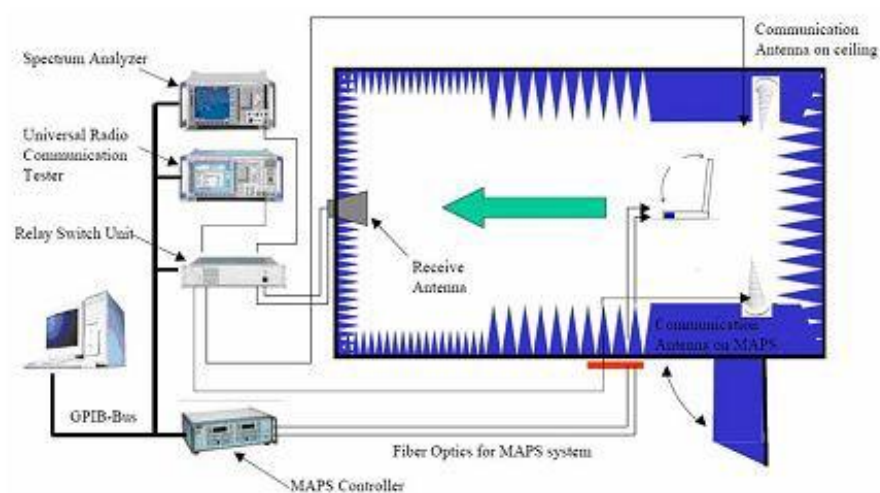
A. Electrical Characteristics	
Frequency	2402 MHz ~2480 MHz
VSWR	< 2
Efficiency	>40%
Impedance	50 Ohm
Polarization	Linear
Gain	>0.5dbi
B. Material & Mechanical Characteristics	
Material of Radiator	PCB black
Cable Type	
Connector Type	
Dimension	
C. Environmental	
Operation Temperature	-10 °C ~ + 50 °C
Storage Temperature	- 30 °C ~ + 85 °C

Test Equipment & Conditions

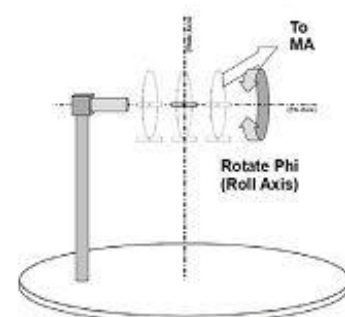
1. Network Analyzers :

Agilent 8753D 5071B

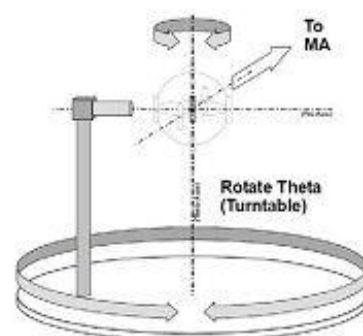
2. 3D Chamber Test System



(Testing by 3D anechoic chamber)

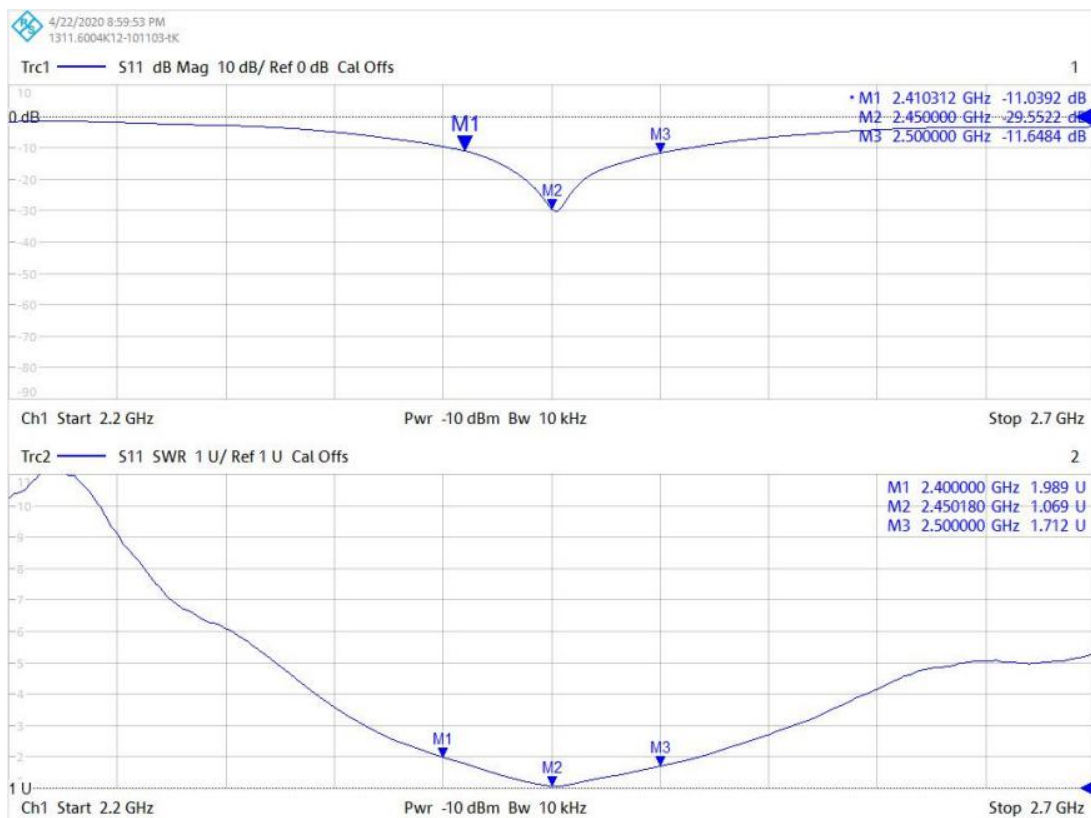
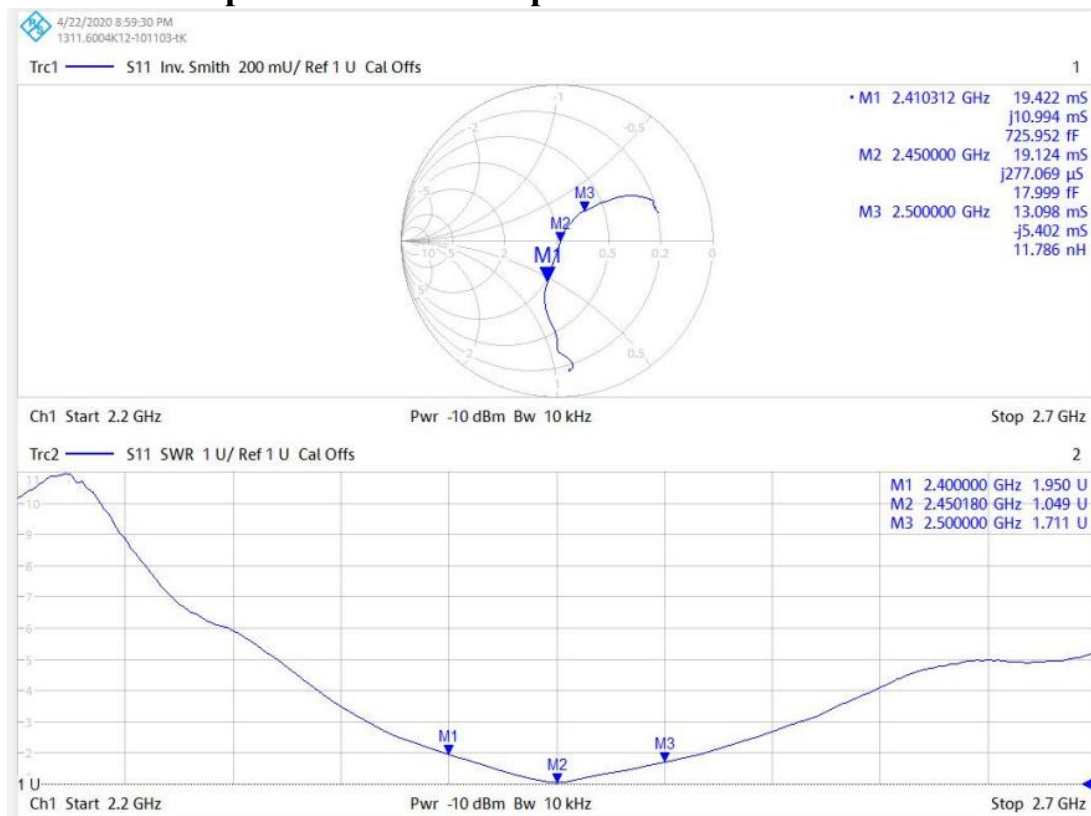


Phi axis test

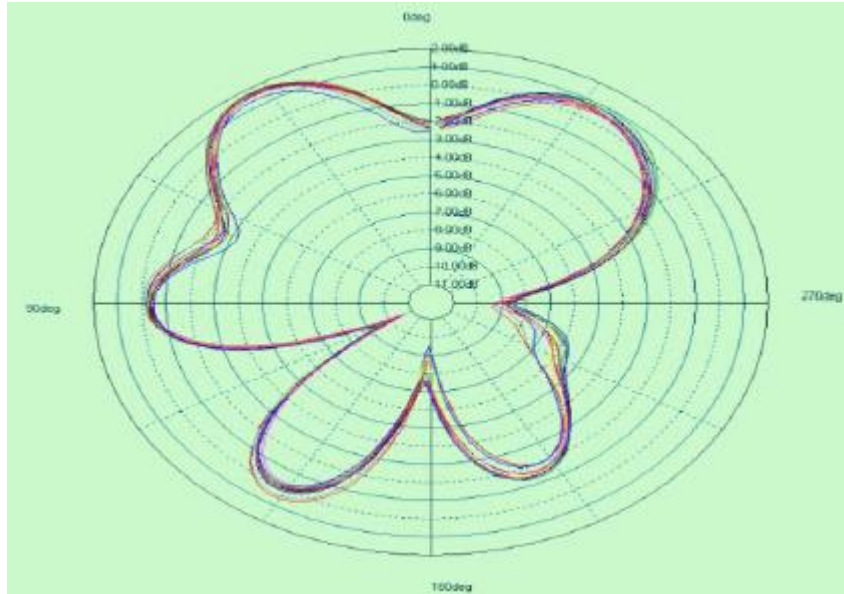


Theta axis test

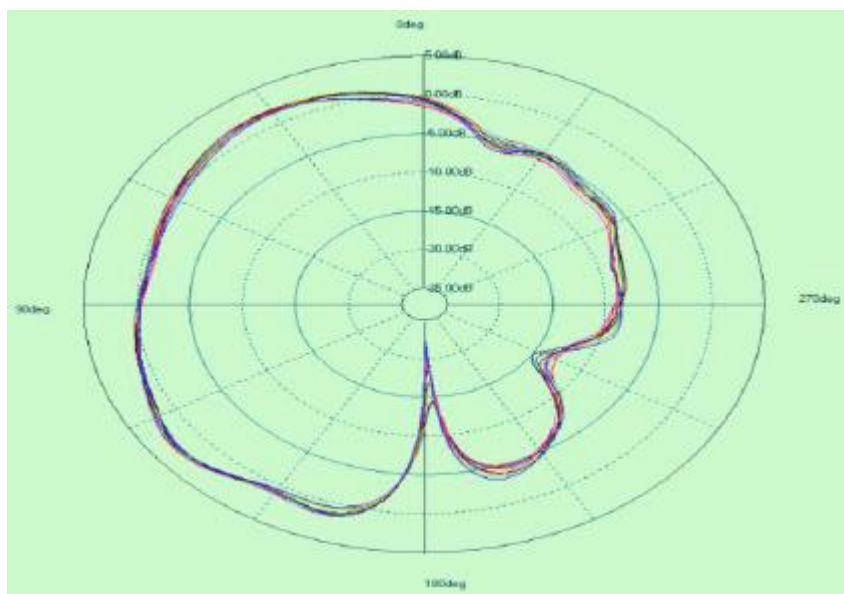
3. Antenna Impedance: S11 (parameter)



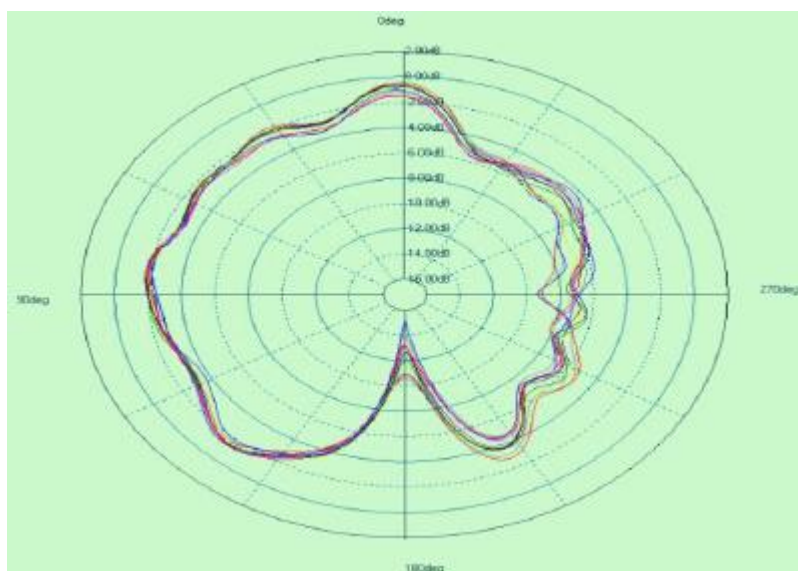
4.01 directional diagram (xy plane, $Z=0$)



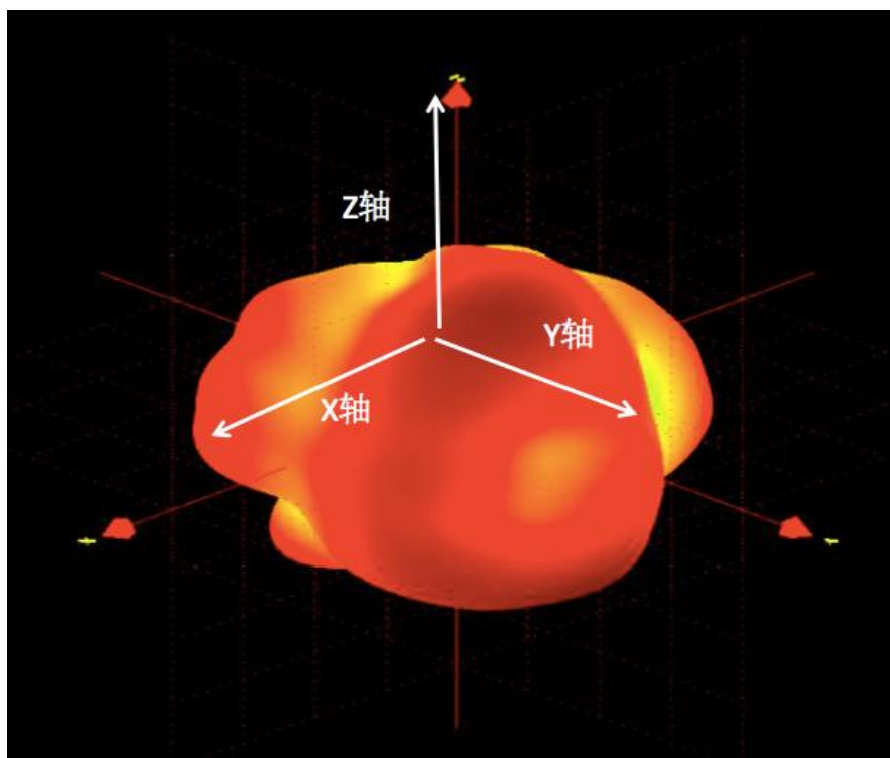
4.02 directional diagram (xy plane, $Y=0$)



4.03 directional diagram(YZ plane, X=0)



4.03 Apple Chart



5. Installation method

