

Weilin Electronics Co., Ltd

Antenna Specification for Approval

Customer Name: _____

address: Fengxiang Street, Chenghai District, Shantou
City, Guangdong ProvinceNo. 8, Kunmei Lake Xing Road, East
12

Product Name: 2.4G antenna

Part NO.: 27*0.14*1.4 *35mm

Write By: Mr. zhou

Issued Date: 2024-4-8

customer:

R&D Dept	Business Dept	Approved By

supplier

R&D Dept	Engineer Dept	Approval

Product Specification

A. Electrical Characteristics

Frequency 2400MHz ~2500MHz

VSWR <3.0

Efficiency >20%

Impedance 50 Ohm

Gain 0.59DBi

Polarization mode: linear polarization

B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type: 1.0 red

Connector Type : NO

Dimension

C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

Test Equipment & Conditions

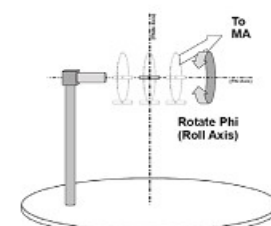
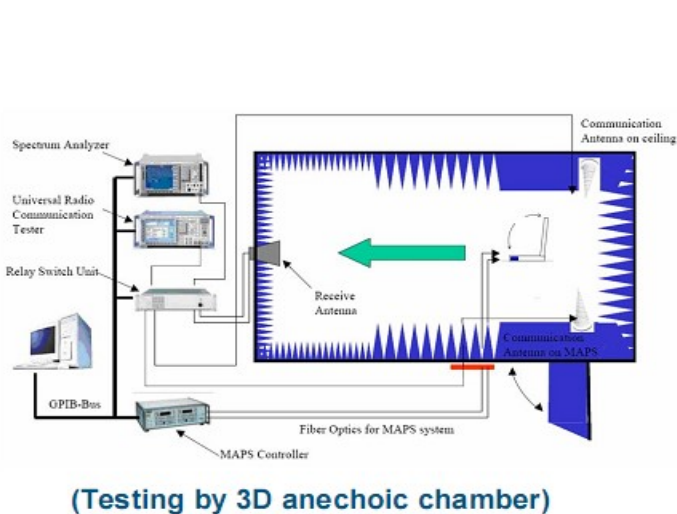
1. Network Analyzers :

Agilent 8753D 5071B

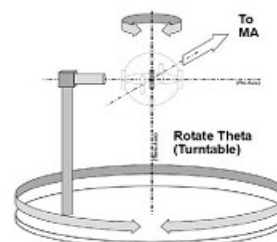
2. Communications Test Set:

Agilent E5515C

3. 3D Chamber Test System



Phi axis test



Theta axis test

The technical drawing shows a side view of a 19-pin connector. It consists of a main body with a width of 33mm and a height of 2.0mm. A dashed red line indicates the centerline. A circular feature with a diameter of $\phi 1.4$ is shown at the bottom right. The drawing is labeled with dimensions and a table.

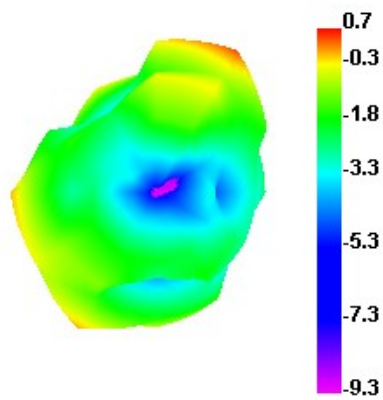
PART TITLE	MATERIAL	UNIT	IN	SCALE	VER.
2.4GANT	19PINx0.12x1.4	mm	5:1	01	版次:
PART NO.	DRWING	DATE	CHECKING	SUPPLIER	CFM
19P x 0.12 x 1.4	Mr. Zhou	2019/3/09			

Effiency &Gain

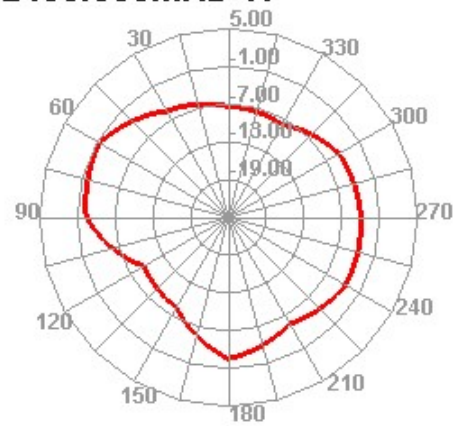
Freq (MHz)	Effi (%)	Gain (dBi)
2400	23.66	0.47
2410	23.19	0.38
2420	23.03	0.49
2430	22.41	0.42
2440	21.67	0.45
2450	20.24	0.52
2460	20.61	0.51
2470	21.41	0.59
2480	23.89	0.56
2490	26.46	0.53
2500	25.73	0.46

Radiation Pattern

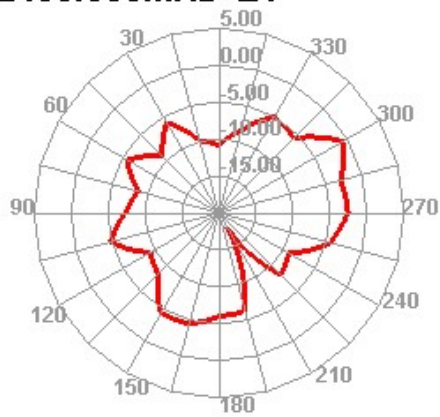
2400.000MHz



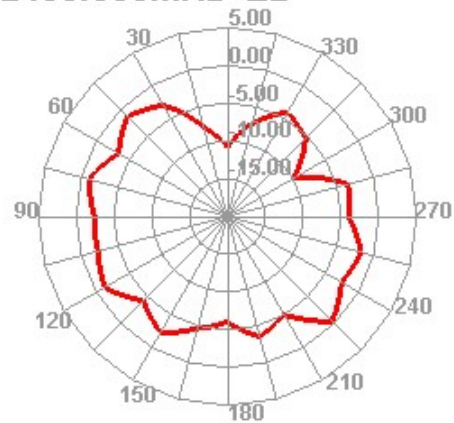
2400.000MHz H



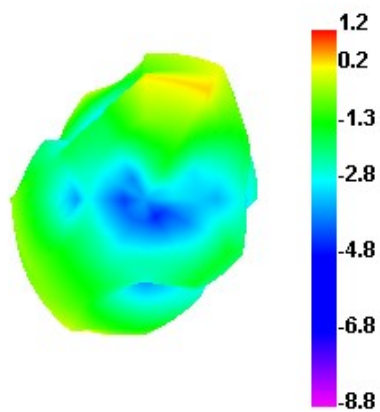
2400.000MHz E1



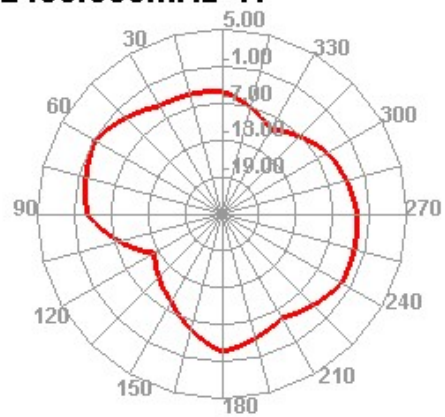
2400.000MHz E2



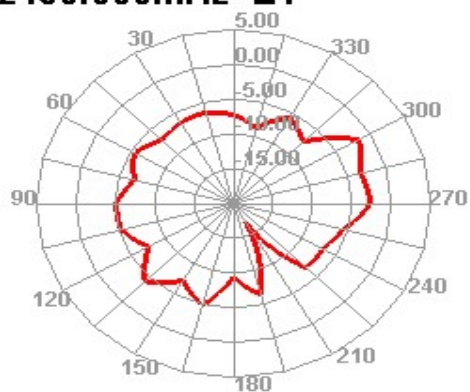
2450.000MHz



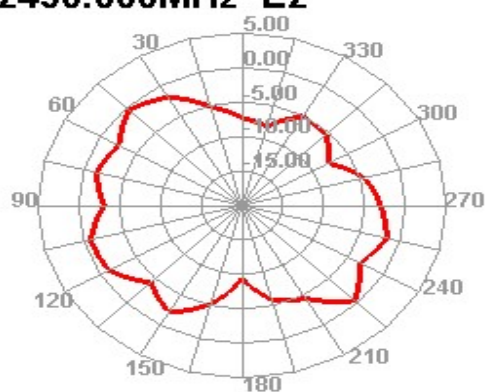
2450.000MHz H



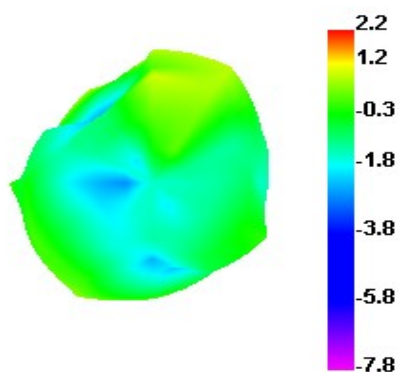
2450.000MHz E1



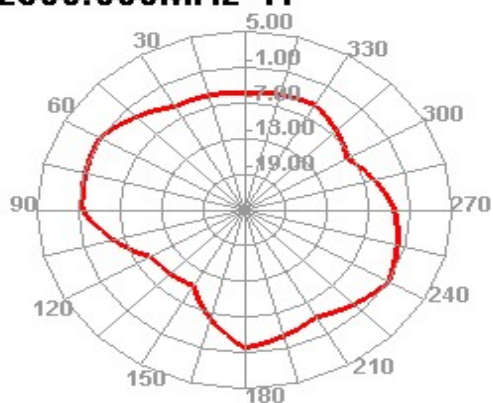
2450.000MHz E2



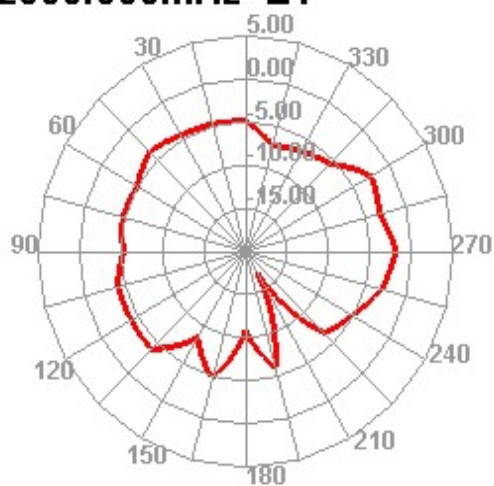
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

