

Dongzhen Electronics Co., Ltd

Shangpin Science and Technology Building, Xinjin Street, Longhu District, Shantou City

Antenna Specification for Approval

Product Name: 2.4G antenna

Part NO. : 19PIN*0.12*1.4PVC

Write By: Mr. zhou

Issued Date: 2019-3-8

customer :

R&D Dept	Business Dept	Approved By

supplier

R&D Dept	Engineer Dept	Approval

Technical drawing of a 2.4GANT antenna. The drawing shows a side view of the antenna with dimensions: 3.0mm for the top section, 3.0mm for the middle section, and 8.0mm for the bottom section. A circular feature at the bottom right has a diameter of 1.4mm. The drawing is labeled with '2.4GANT' and '19PINx0.12x1.4PVC'.

PART TITLE	MATERIAL	UNIT IN	SCALE	VER.
2.4GANT	19PINx0.12x1.4PVC	mm	5:1	01
PART NO	DRW ING	DATE	CHECK ING	SUPPLIER CFM
19p x 0.12 x 1.4 PVC	Mr. Zhou	2019/3/09		

requirement:
1, Those marked with tolerance are important dimensions,
and those without tolerance shall be ± 0.15 .

Product Specification

A. Electrical Characteristics

Frequency 2400MHz ~2500MHz

VSWR <3.0

Efficiency >20%

Impedance 50 Ohm

Gain 0.59 dBi

Polarization mode: linear polarization

B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type 1.4 white

Connector Type : NO

Dimension

C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

Test Equipment & Conditions

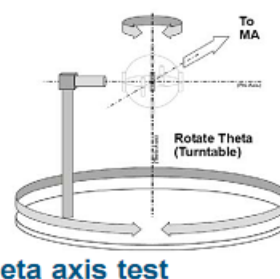
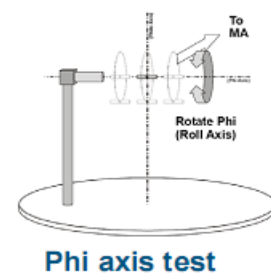
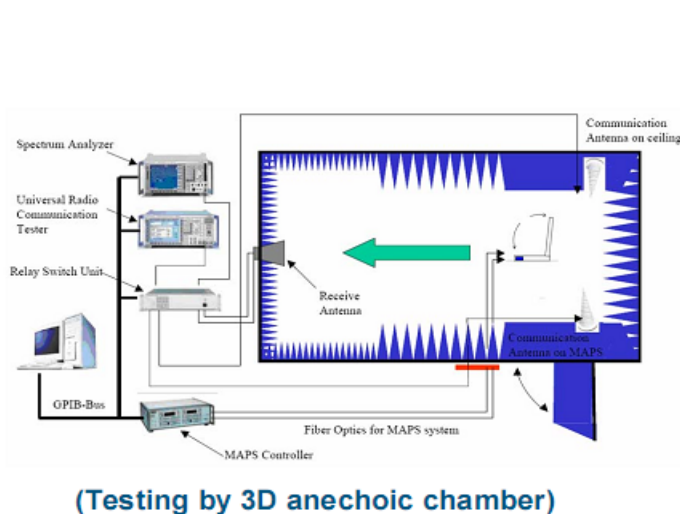
1. Network Analyzers:

Agilent 8753D 5071B

2. Communications Test Set:

Agilent E5515C

3. 3D Chamber Test System

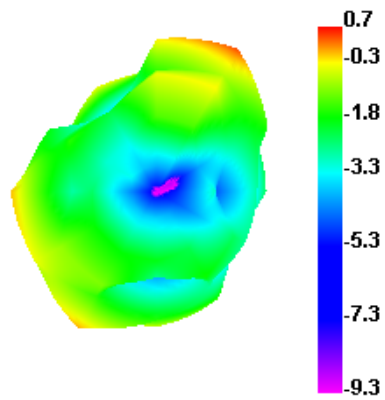


Effiency &Gain

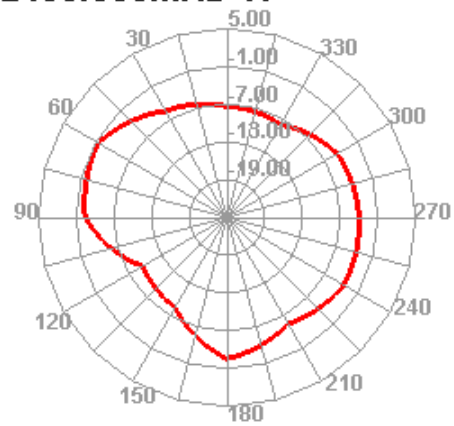
Freq (MHz)	Effi (%)	Gain (dBi)
2400	23.66	0.47
2410	23.19	0.38
2420	23.03	0.49
2430	22.41	0.42
2440	21.67	0.45
2450	20.24	0.52
2460	20.61	0.51
2470	21.41	0.59
2480	23.89	0.56
2490	26.46	0.53
2500	25.73	0.46

Radiation Pattern

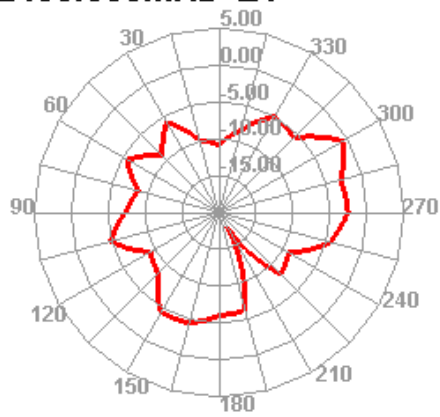
2400.000MHz



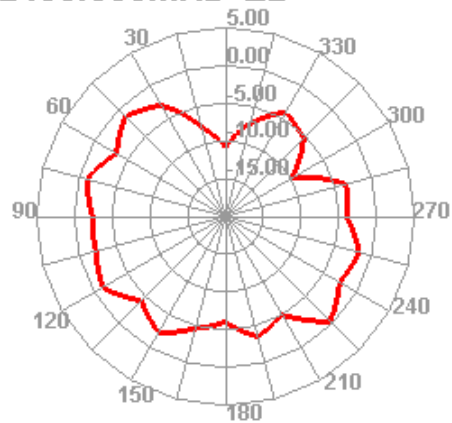
2400.000MHz H



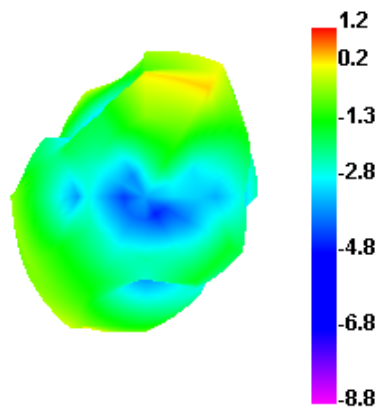
2400.000MHz E1



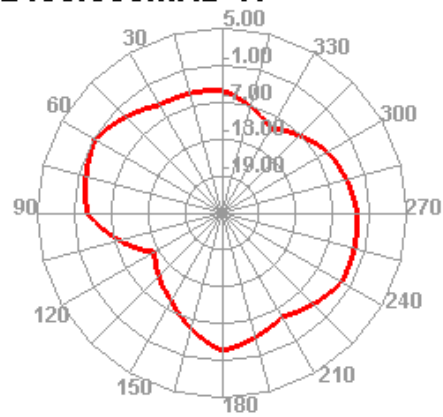
2400.000MHz E2



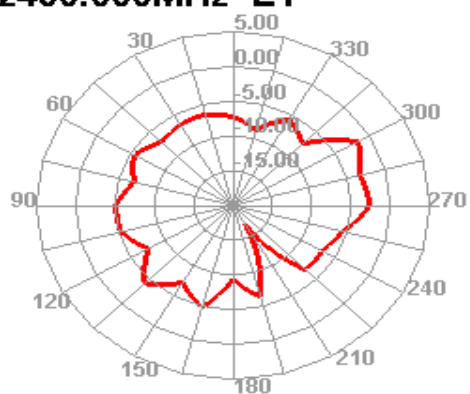
2450.000MHz



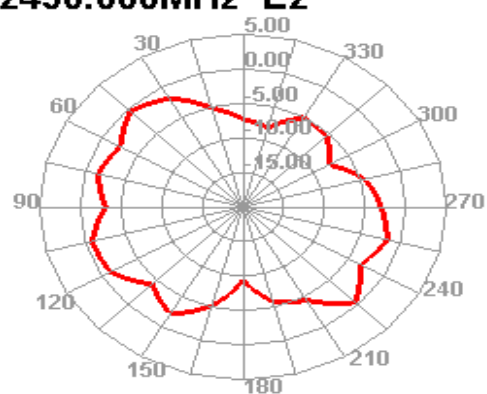
2450.000MHz H



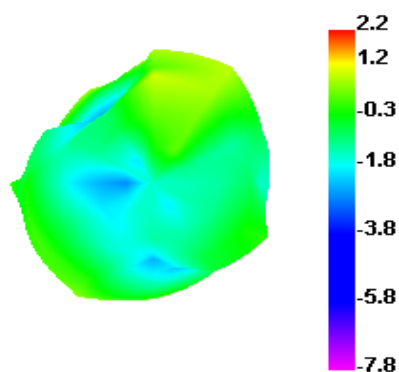
2450.000MHz E1



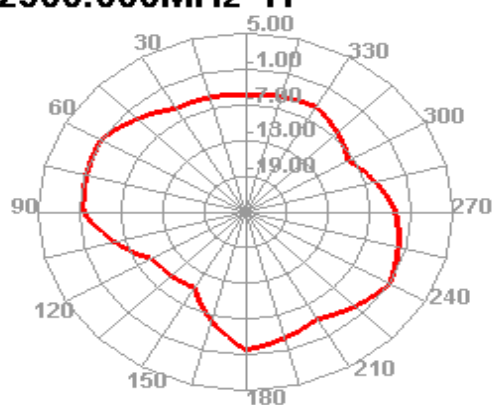
2450.000MHz E2



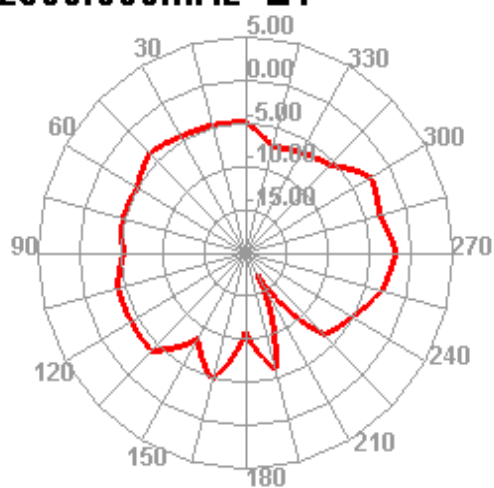
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

