

Antenna Specification

Manufacturer: Dongzhen Electronics Co., Ltd

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

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

The figure shows a technical drawing of a 2.4GANT antenna. The drawing includes a top view and a side view. The top view shows a rectangular antenna with a width of 3.0mm and a length of 35mm. The side view shows the antenna's profile with a height of 1.4mm. A table at the bottom right provides details about the part, including its title, material, drawing number, date, and supplier.

PART TITLE		MATERIAL		UNIT IN		SCALE		VER.	
2.4GANT		19PIN×0.12×1.4PVC		mm		5:1		01	
PART NO.		19P×0.12×1.4PVC		DATE		CHECKING		SUPPLIER CFM	
		Mr. Zhou		2019/3/09					

Test Equipment & Conditions

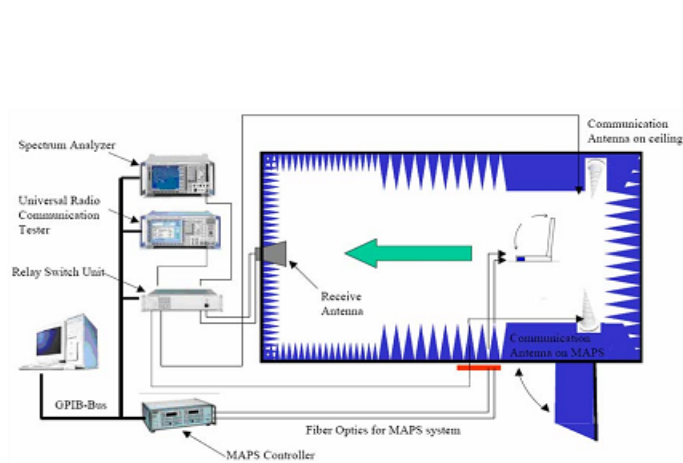
1. Network Analyzers:

Agilent 8753D 5071B

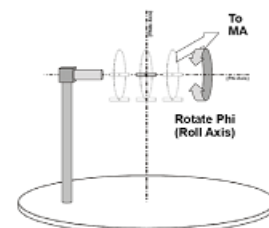
2. Communications Test Set:

Agilent E5515C

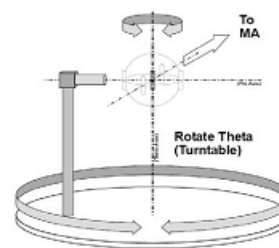
3. 3D Chamber Test System



(Testing by 3D anechoic chamber)



Phi axis test



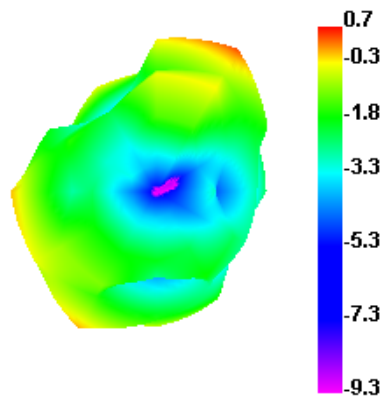
Theta axis test

Effiency &Gain

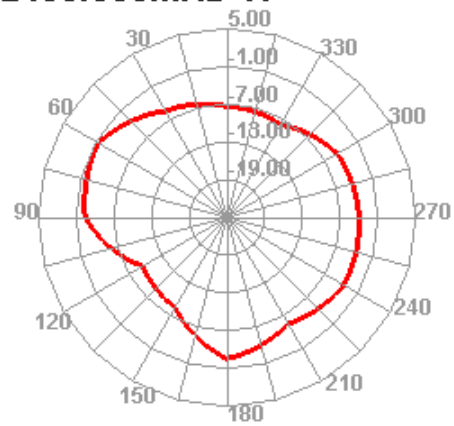
Freq (MHz)	Effi (%)	Gain (dBi)
2400	23.66	0.47
2410	23.19	0.38
2420	23.03	0.49
2430	22.41	0.42
2440	21.67	0.45
2450	20.24	0.52
2460	20.61	0.51
2470	21.41	0.59
2480	23.89	0.56
2490	26.46	0.53
2500	25.73	0.46

Radiation Pattern

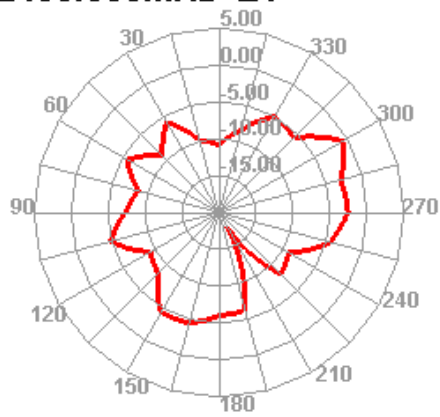
2400.000MHz



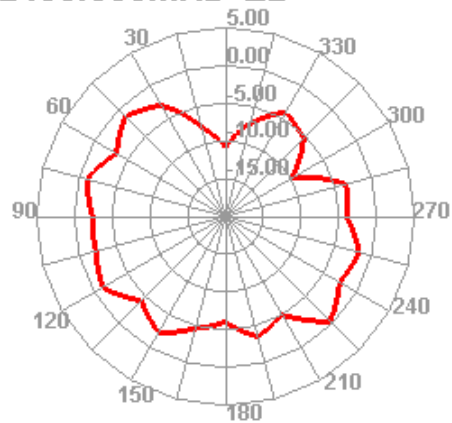
2400.000MHz H



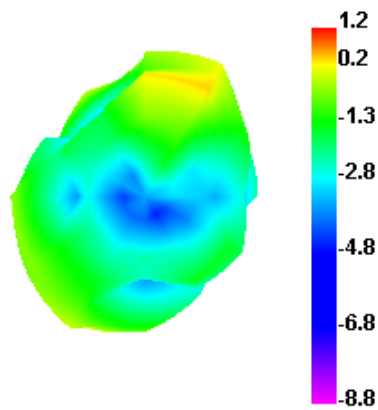
2400.000MHz E1



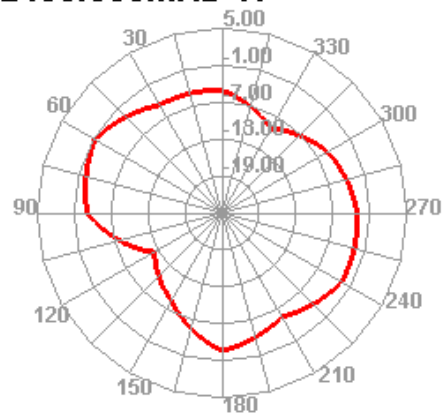
2400.000MHz E2



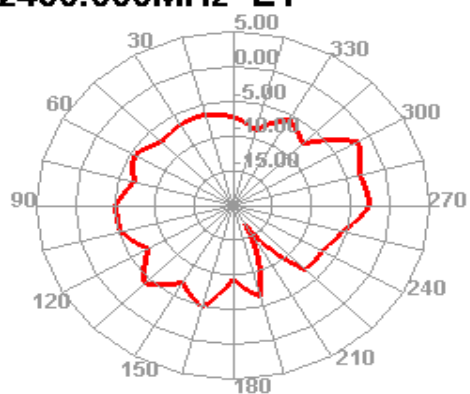
2450.000MHz



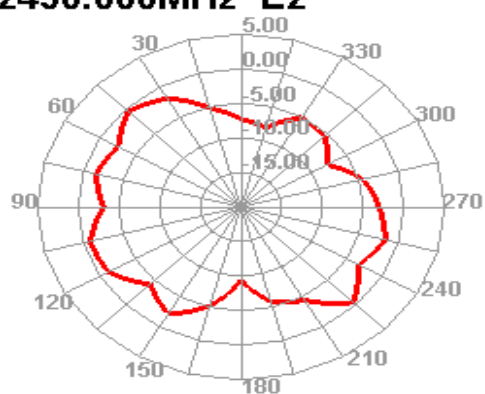
2450.000MHz H



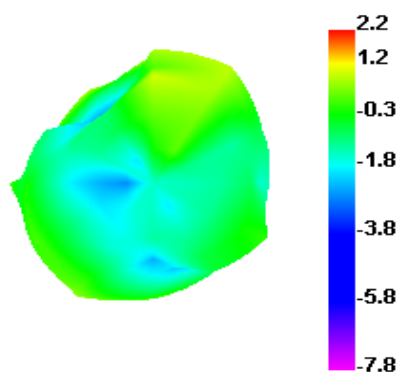
2450.000MHz E1



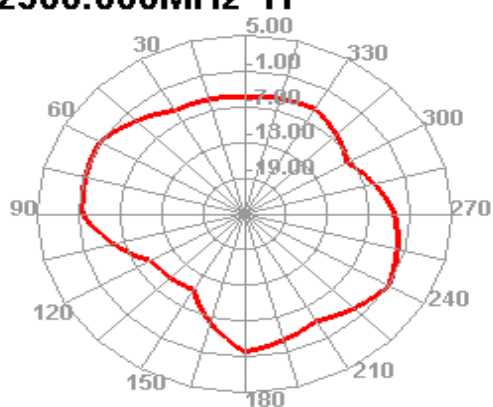
2450.000MHz E2



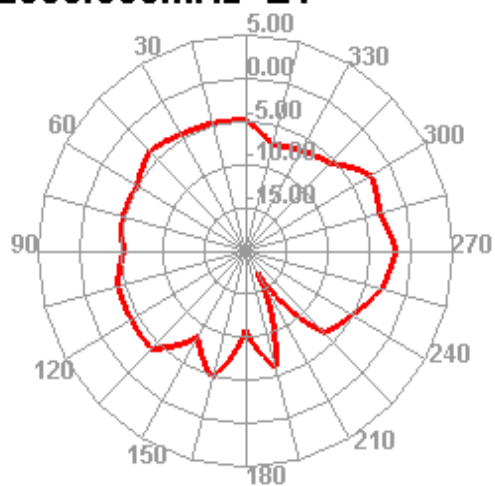
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

