

SHEN ZHEN WACOSUN TECHNOLOGY CO, LTD

产 品 规 格 书

PRODUCT SPECIFICATION SHEET

product name: 2.4GHz Antenna

Product part number: 4.6DBi (Peak) External white antenna

HCX confirms:

authorize	project	make	
xu hua	Deng Zhigang	Li Xiaoshan	

Admission book item table

Item	Description
1.....	Admit the cover
2.....	Admission book item table
3.....	Engineering drawing
4.....	dimension report
5.....	Electrical test report
6.....	Mechanical test report

RF Antenna Cable Assembly

Specification

1. Electrical Properties

1.1 Frequency Range.....2.4GHz-2.5GHz

1.2 Impedance.....50Ω Nominal

1.3 VSWR.....1.92:1MAX

1.4 Return Loss.....-10dB Max

1.5 Gain(peak).....4.60dBi

1.6 Cable loss.....0.3dBi Max

1.7 Polarization.....Linear Vertical

1.8 Admitted Power.....2W

1.9 Cable.....OD1.13

1.10 Conn.....IPEX

2. Physical Properties:

2.1 Antenna Material.....Cu

2.4 Operating Temp.....-20°C- +65°C

2.5 Storage Temp.....-30°C- +75°C

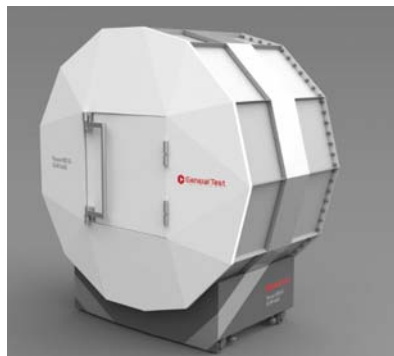
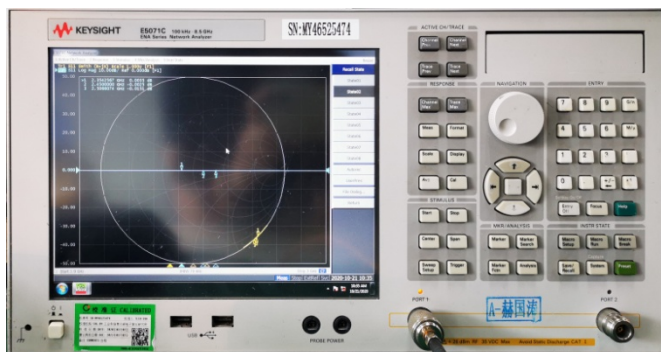
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picture of real products:



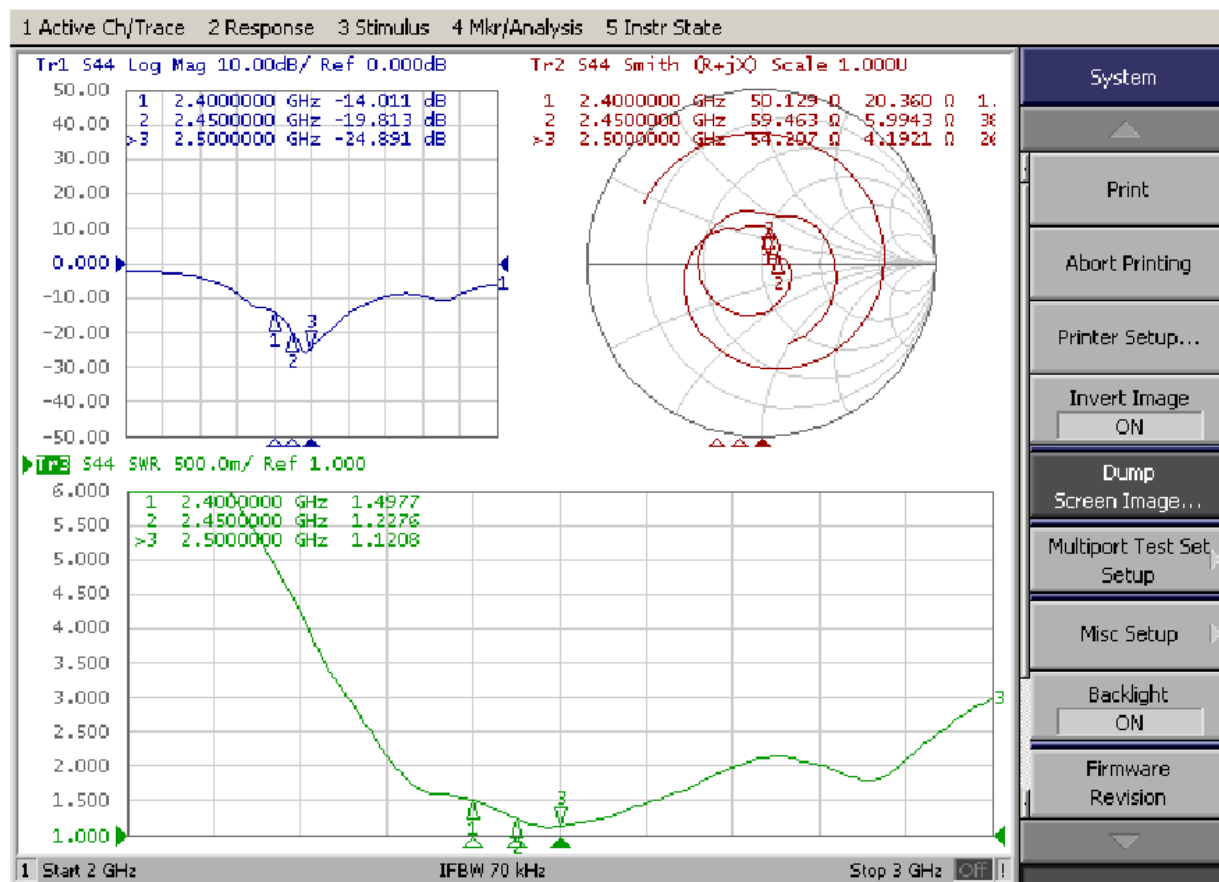
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RF Antenna :



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V.S.W.R:



Frequency(MHZ)	VSWR
2400	1.49
2450	1.22
2500	1.12

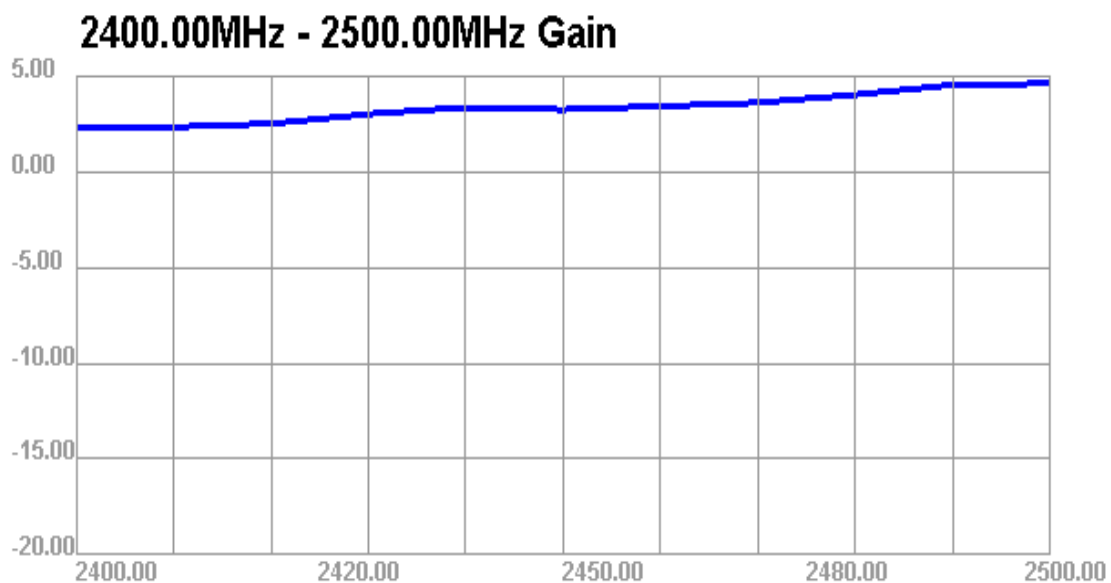
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RF Antenna Performance Assembly
SPEC:2.4~2.5GHz

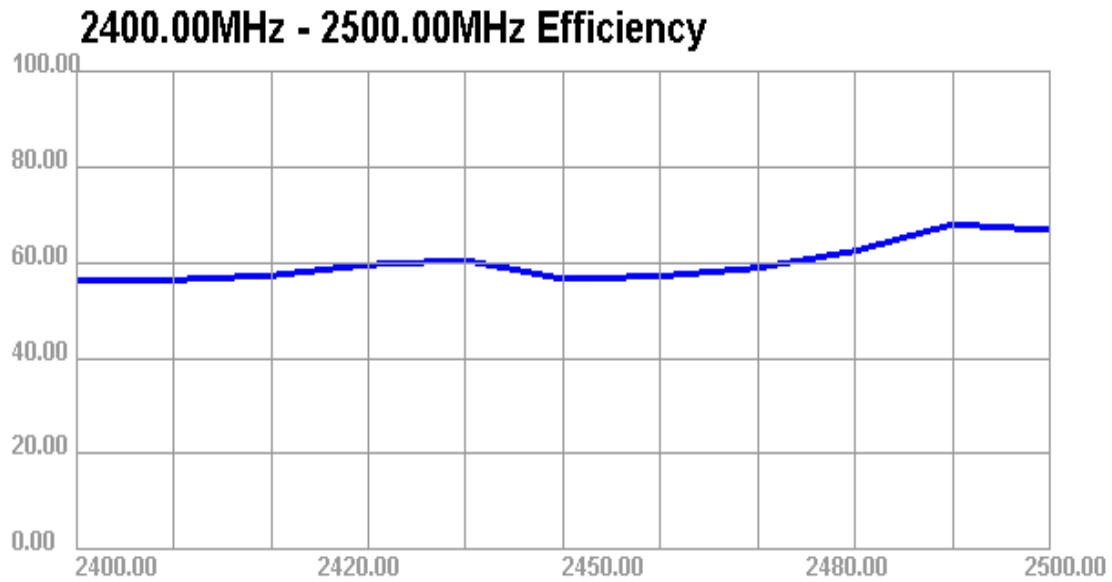
The following test data is derived from the passive test data:

Frequency	Efficiency(%)	Peak GAIN(dBi)
2400	56.11	2.32
2450	56.55	3.25
2500	66.75	4.60

一. Gain



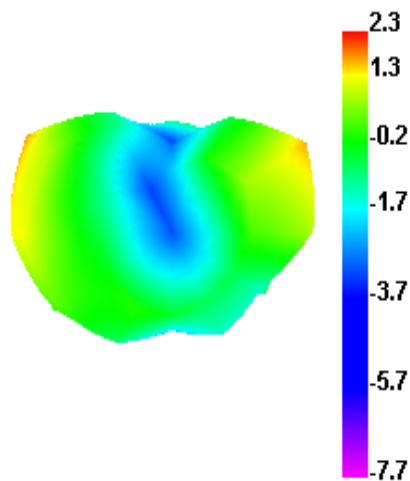
二. Efficiency



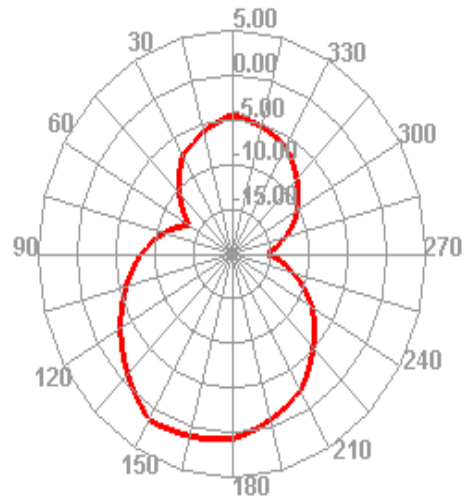
2D、3DRaditation Pattern

Frequency and frequency value: 2.40GHz Peak Gain:2.3dBi Efficiency:56.61%

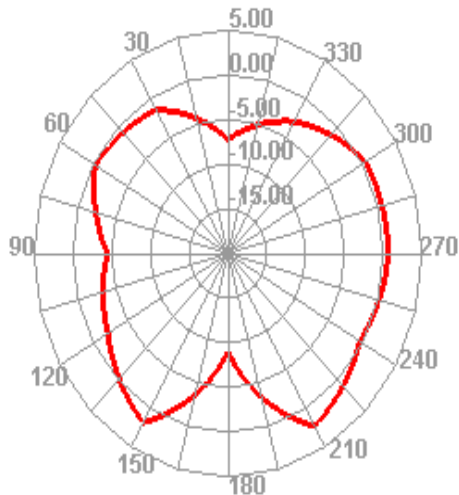
2400.000MHz



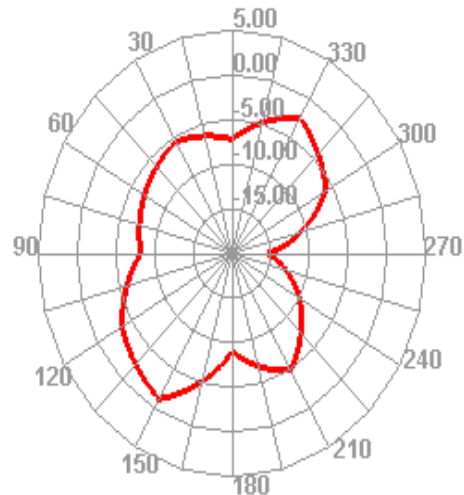
2400.000MHz H



2400.000MHz E1



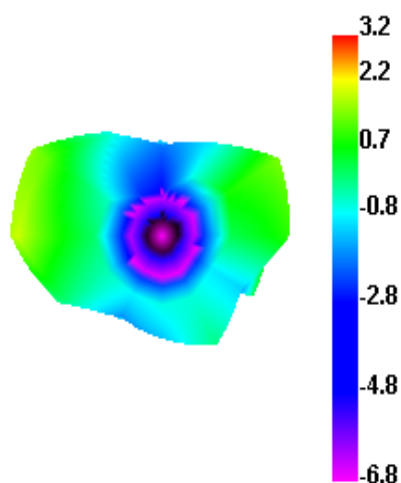
2400.000MHz E2



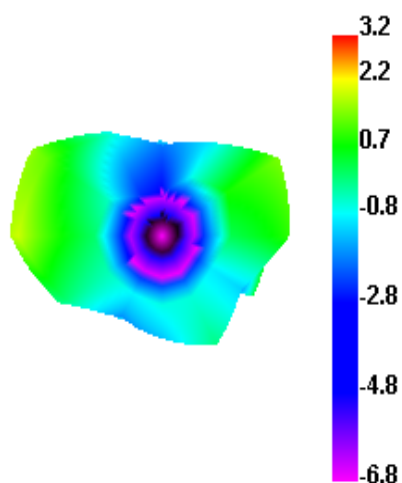
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Frequency and frequency value: 245GHz Peak Gain:3.2dBi Efficiency:56.55%%

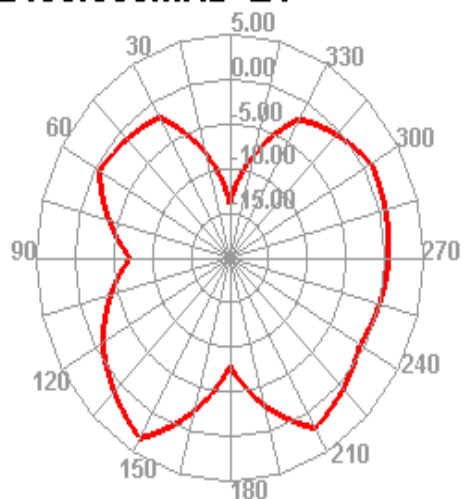
2450.000MHz



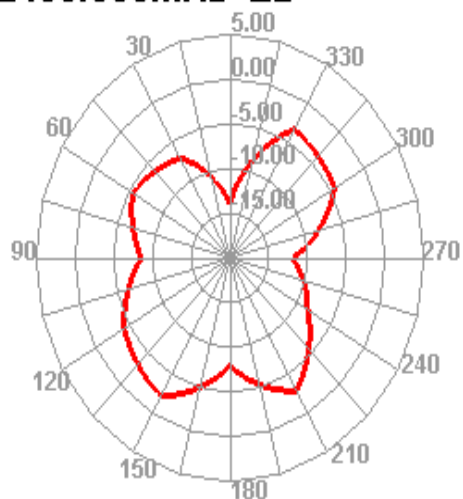
2450.000MHz



2450.000MHz E1



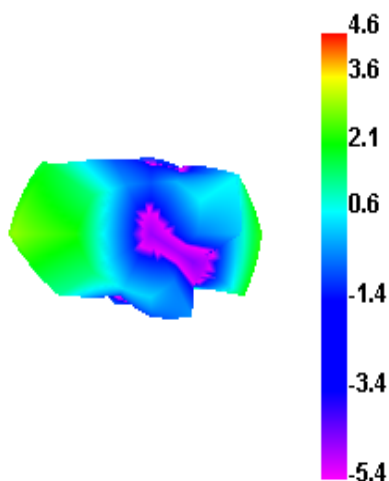
2450.000MHz E2



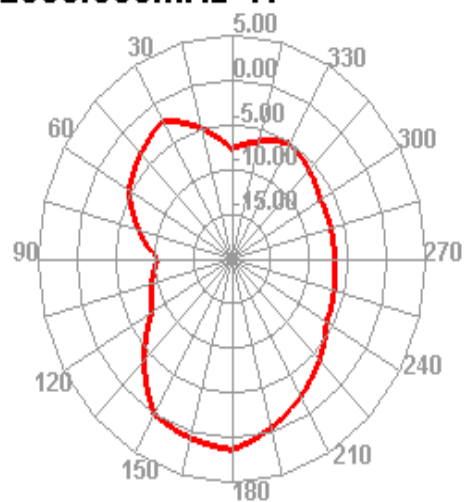
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Frequency and frequency value: 2.50GHz Peak Gain:4.6dBi Efficiency:66.75%

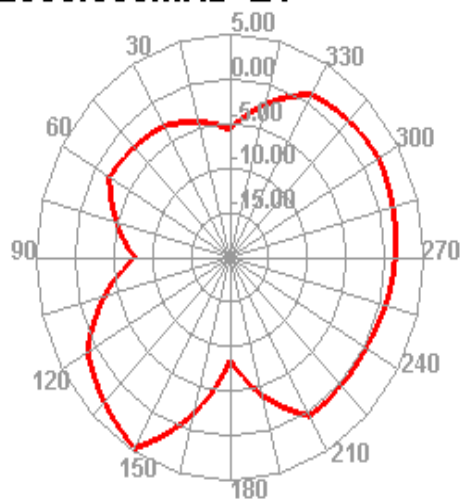
2500.000MHz



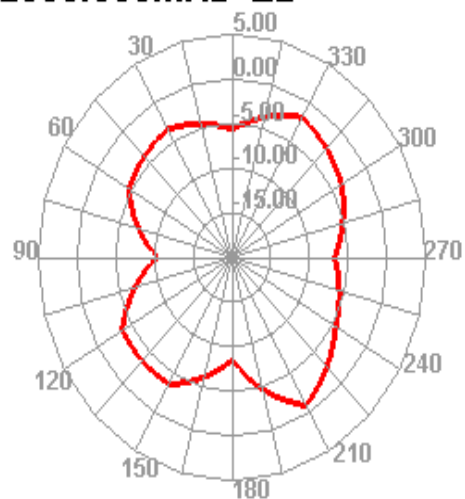
2500.000MHz H



2500.000MHz E1



2500.000MHz E2





深圳市华创翔科技有限公司

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~THE END~