



深圳市鑫恒阳科技有限公司

<https://www.xhy-2008.com>

承 认 书

SPECIFICATION FOR APPROVAL

客户名称 Customer Name: _____

产品型号 Product Model: _____ CQ425

客户料号 Customer P/N : _____

鑫恒阳料号 X INHENGYANG P/N: _____ CP. 22. 0000001

产品规格 SPEC IFFCATIONS: _____ WIFI 2. 4G

制作日期 Production date: _____ 2024. 7. 3

封样版本 Samp le Version: _____ V1

鑫恒阳 (XINHENG YANG)		
编制 (FICTION)	结构 (Structure)	研发 (R&D)
客户 (Customer)		
采 购 (PUR)	品质 (QC)	研发 (R&D)

manufacturer: Shenzhen X inhengyang Technology Co., LTD

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Number	Effective date	Change record
V1.0	2023-10-30	Initial release
V2.0	2023-12-13	Change antenna
V3.0	2024-3-13	Change cable
V4.0	2024-4-16	Change shell color
V5.0	2024-7-3	Change line length



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一、property

A. Electrical Characteristics	
Frequency	2400MHZ-2500MHZ
VSWR	< 2.0
Avg Efficiency	>69%
Impedance	50 $\pm$ 25 Ohm
Polarization	Linear
Peak Gain	2400MHZ:3.85dBi
B. Material & Mechanical Characteristics	
Material of Radiator	FPC black
Cable Type	一代
Connector Type	线径: 1.13 L=290MM, 外漏 210MM
Dimension	/
C. Environmental	
Operation Temperature	- 20 °C ~ + 60 °C
Storage Temperature	- 30 °C ~ + 70 °C

二、specification

Those specifications were specially defined for CQ425 model.

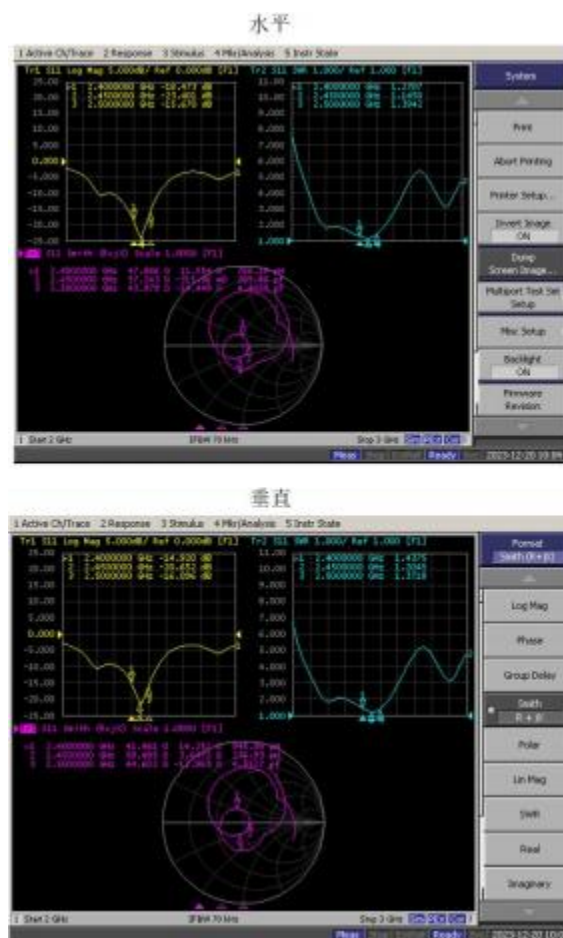
三、VSWR

1 测量方法

1.A 50 Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the VSWR

2.Keeping this jig away from metal at least 20cm

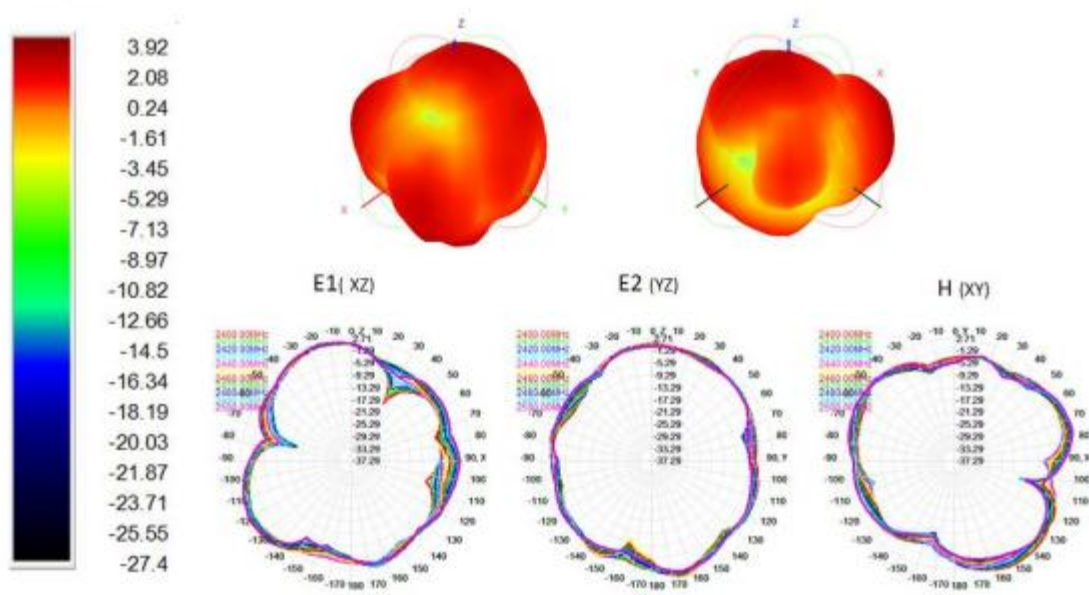
2 测量频率点和驻波比



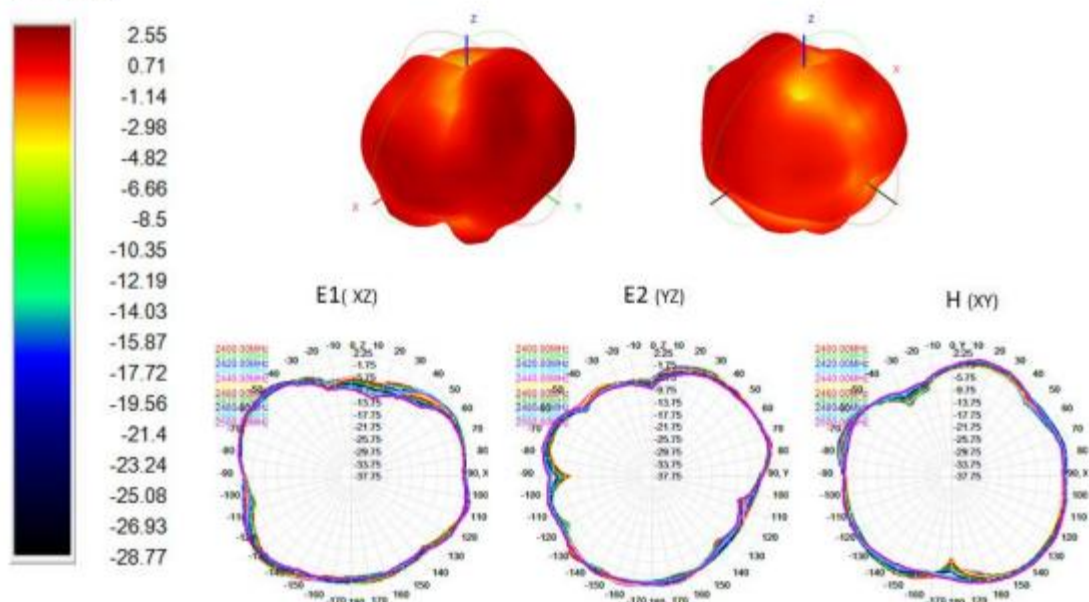
5、property

无源场型图-2400MHZ-2500MHZ

水平方向



垂直方向





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6, efficiency

水平			垂直		
Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
2400	70.56	2.92	2400	71.80	2.55
2410	70.59	3.06	2410	73.40	2.53
2420	72.05	3.38	2420	75.83	2.84
2430	72.22	3.48	2430	76.41	3.16
2440	74.36	3.63	2440	77.43	3.28
2450	74.52	3.51	2450	74.89	2.96
2460	74.87	3.55	2460	72.93	2.45
2470	74.69	3.53	2470	71.63	2.35
2480	75.20	3.54	2480	71.23	2.34
2490	75.68	3.53	2490	70.09	2.31
2500	76.15	3.85	2500	69.00	2.36

7, OTA

B模					
水平			垂直		
BAND	TRP (dBm)	TIS (dBm)	BAND	TRP (dBm)	TIS (dBm)
1	13.08	-88.79	1	12.85	-88.38
6	13.43	-88.09	6	13.27	-88.40
11	13.08	-87.36	11	13.20	-86.68

8、 Dimension drawing

