

承 认 书

SPECIFICATION FOR APPROVAL

客 户 名 称

CUSTOMER NAME: 疯景（D1 海外版）

产 品 名 称

PRODUCT NAME: 2.4GHz Internal antenna L=30mm+端子

客 户 料 号

CUSTOMER P/N:

仁 丰 料 号

Ren Feng P/N: U00T02S000N01149 REV: B

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	黄磊	
AUDITOR BY:	宋俊	
APPROVED BY:	姚定军	
DATE:	2022-05-23	

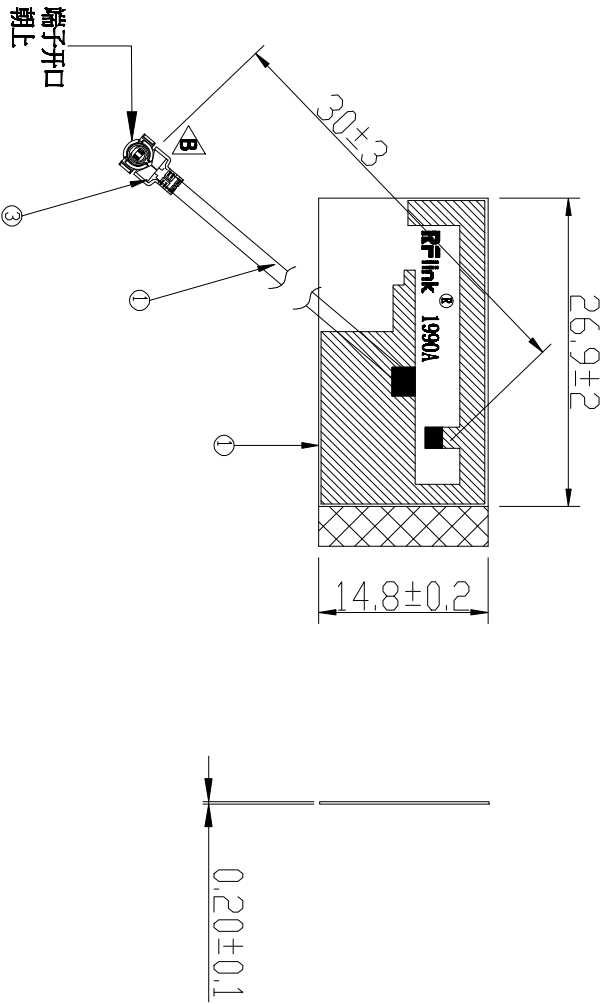
二、规格表：

产品主要技术参数

Main technical specifications

主要技术指标		Main technical specifications	
频率范围 (MHZ)	2400-2500	Frequency Range (MHZ)	2400-2500
特性阻抗(Ω)	50	Impedance(Ω)	50
增益(dBi)	4.89	Peak Gain(dBi)	4.89
输出电压 驻波比	≤ 2.0	VSWR	≤ 2.0
极化方式	垂直极化	Polarization	Linear, Vertical
方向性	全向性	Radiation	Omni-directional
连接方式	Cable	Connector Type	Cable
物理性能		Physical Properties	
天线外套材料	FPC	Antenna cover	FPC
工作温度	-20℃~+70℃	Operating Temp	-20℃~+70℃
保存温度	-20℃~+70℃	Storage Temp	-20℃~+70℃

E		F		G
REV	DATE	DESCRIPTION		Change the code
A	2022-05-23	NEW ISSUE		
B	2022-06-22	增加端子		



规格Specification:

频率Frequency Range : 2.4G

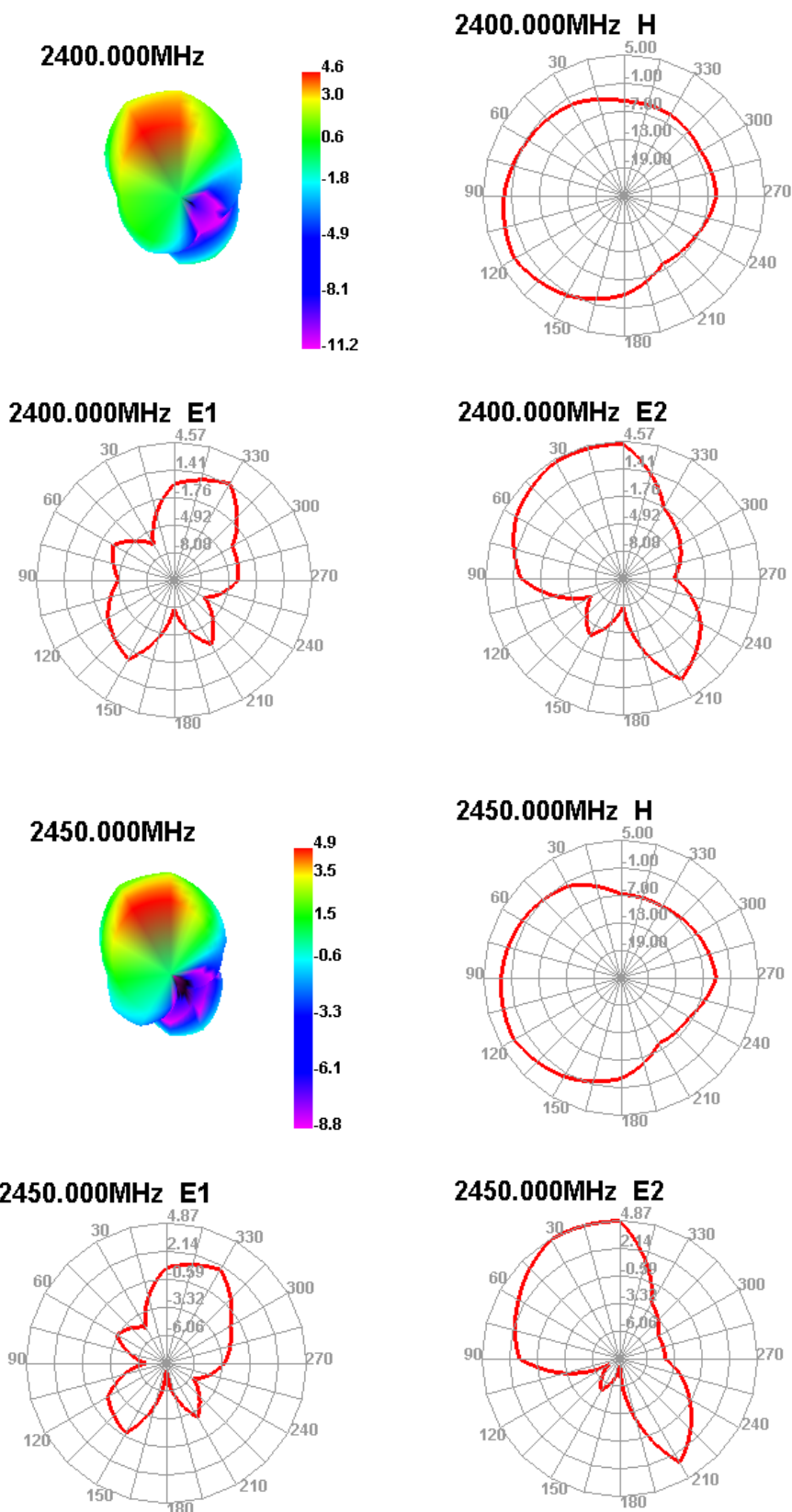
				XXX ±2.0		APPROVED					
3	端子		1	Copper							
2	FPC (1990A)		1	PI		XX ±1.0		CUSTOMER: Recognition Version NO :V1.0			
1	线材		1	1.13 Cable Grey		X ±0.5 CHECKED		PARTNAME : RF Antenna Assembly			
6											
NO	DESCRIPTION		QTY	REMARK		X ±0.2		R.F P/NO : U00T02S000N01149			
						XX ±0.1		REV UNIT SCALE SIZE SHEET			
								B mm 1:1 A4 10F1			
								DRAWING			

RF link

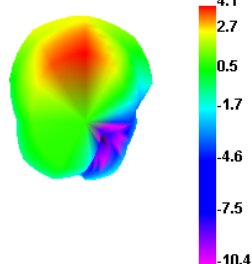
东莞市仁丰电子科技有限公司
RenFeng Electronic technology Co., LTD.

四、 测试报告

4.3: 暗室 2D、3D Radiation Pattern



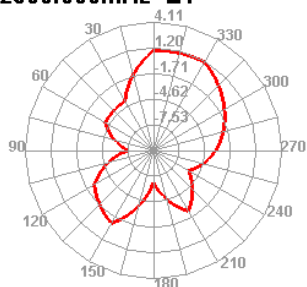
2500.000MHz



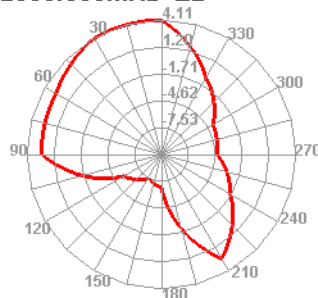
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



Gain table of Antenna

Freq (MHz)	Effi (%)	Gain (dBi)
2400	70.03	4.57
2410	69.91	4.57
2420	72.95	4.8
2430	73.56	4.86
2440	73.93	4.86
2450	74.78	4.87
2460	75.84	4.89
2470	74.31	4.87
2480	73.12	4.81
2490	72.78	4.49
2500	72.1	4.11



东莞市仁丰电子科技有限公司

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OTA

Item	Measurement	Band	Channel	Frequency	Total
1	TRP	WIFI_B (11M)	1	2412	16.32
2	TRP	WIFI_B (11M)	6	2437	16.41
3	TRP	WIFI_B (11M)	11	2462	15.84
4	TIS	WIFI_B (11M)	1	2412	-86.67
5	TIS	WIFI_B (11M)	6	2437	-87.73
6	TIS	WIFI_B (11M)	11	2462	-87.06
7	TRP	WIFI_G (54M)	1	2412	16.97
8	TRP	WIFI_G (54M)	6	2437	16.83
9	TRP	WIFI_G (54M)	11	2462	16.91
10	TIS	WIFI_G (54M)	1	2412	-71.41
11	TIS	WIFI_G (54M)	6	2437	-71.51
12	TIS	WIFI_G (54M)	11	2462	-73.56
13	TRP	WIFI_N_ISM (65M)	1	2412	16.66
14	TRP	WIFI_N_ISM (65M)	6	2437	16.25
15	TRP	WIFI_N_ISM (65M)	11	2462	16.87
16	TIS	WIFI_N_ISM (65M)	1	2412	-68.63
17	TIS	WIFI_N_ISM (65M)	6	2437	-68.41
18	TIS	WIFI_N_ISM (65M)	11	2462	-69.61