

Antenna data sheet

Version: A1

DESCRIPTION: 2.4G 2.5DB Antenna-L350mm

PART NO.: YS030-0105

Manufacturer : Jiaxing Kaidi Electronics Co., Ltd

Address : 725, Building 41, York Times, Shatian Town, Dongguan City

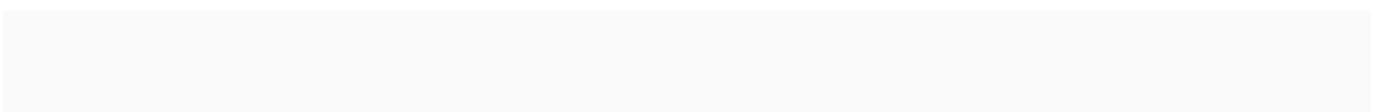
D A T E: 2024-12-23

ENGINEERING DEPARTMENT	Q C DEPARTMENT	SALES DEPARTMENT

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ENGINEERING DEPARTMENT	Q C DEPARTMENT	PURCHASING DEPARTMENT

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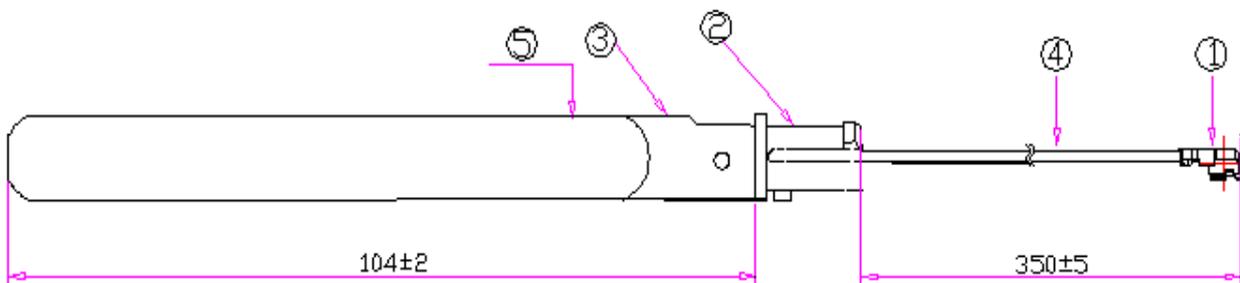
Electrical Specifications

Frequency Range	2400-2500MHZ
VSWR	≤ 2.0
GAIN	3.05dBI
Input Impedance	50 Ω
Mechanical Specifications	
Antenna Color	WHITE
Input connector	IPEX1.13
Cable length	350mm
Working Temperature	-40°C~+85°C
Working Humidity	20~80%

(Product picture) :



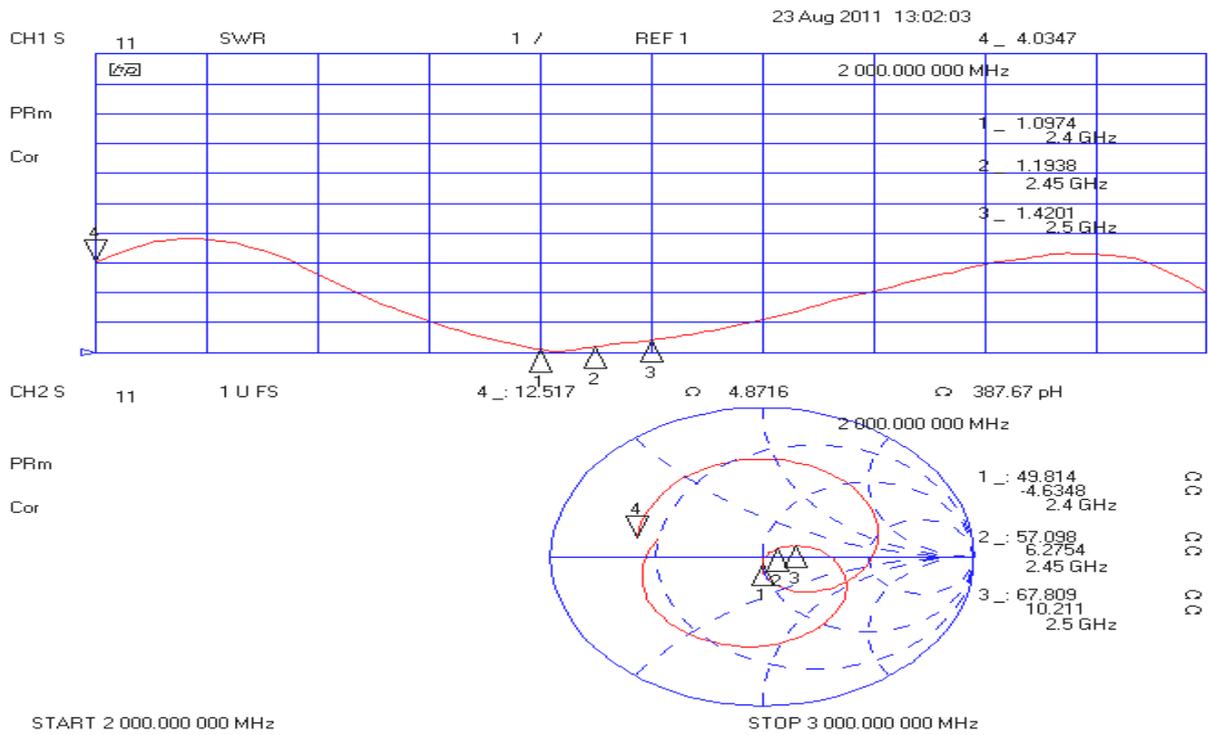
(Product Specification) :



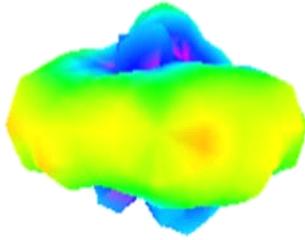
(Environmental performance test) :

ITEM	TEST CONDITION	TEST RESULT
The storage environment	<p>In the absence of the specified circumstances test temperature, humidity, air pressure is as follows:</p> <p>1 temperature is -30 °C ~ +80 °C</p> <p>2 relative humidity for 45%-85%</p> <p>The 3 pressure is 86kpa-106kpa</p>	Electrical and mechanical properties of normal
Thermocycling ;	<p>5 cycles between 70 °C and 40 °C, then under normal conditions</p> <p>1-2H, appearance quality inspection.</p>	<p>Dimensions should meet the requirements and shall satisfy</p> <p>In the mechanical, electrical properties</p>
Resistance to damp heat Test	<p>Relative humidity is $95 \pm 3\%$, test temperature: 40 °C. Continue after 2H,</p> <p>Test within the product after removing the 5min determination of the electrical properties, in the normal sample</p> <p>Under 1-2H, the appearance of quality inspection</p>	<p>Dimensions should meet the requirements and shall satisfy</p> <p>In the mechanical, electrical properties</p>
vibration test ;	<p>Displacement amplitude of vibration frequency range: 10-55HZ, 0.35MM, the amplitude of acceleration:</p> <p>50.0M/S, sweep cycle times: 30 times</p>	Electrical and mechanical properties of normal
fall-down test ;	1M high altitude in accordance with the perpendicular axis free fall 3	Electrical and mechanical properties of normal

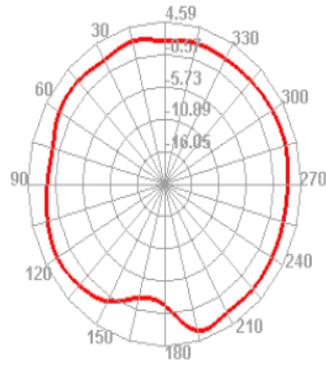
(Agilent network analyzer test chart) :



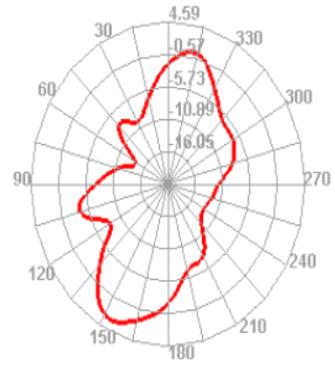
2400.000MHz



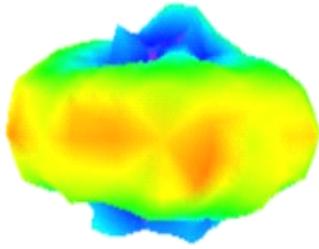
2400.000MHz E1



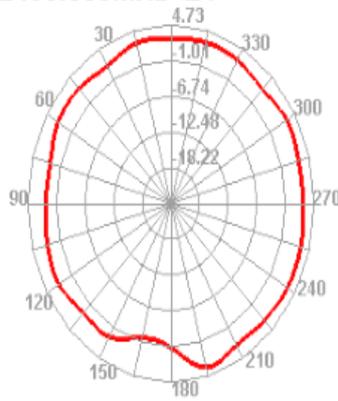
2400.000MHz E2



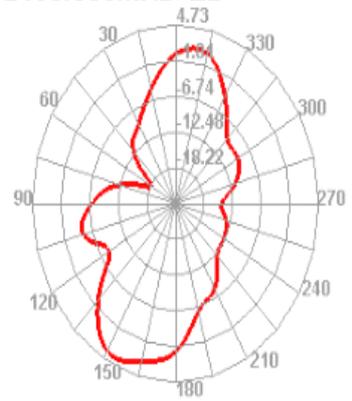
2450.000MHz



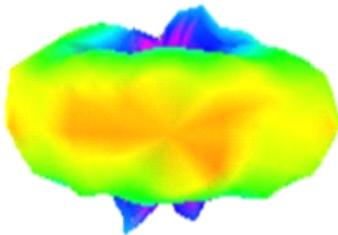
2450.000MHz E1



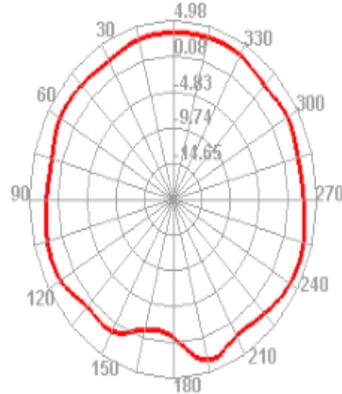
2450.000MHz E2



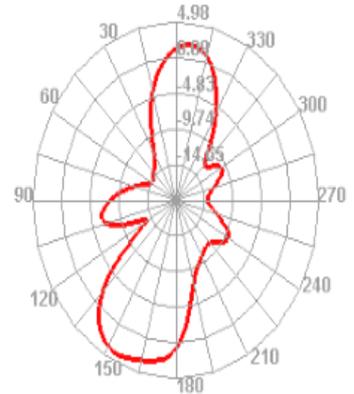
2500.000MHz



2500.000MHz E1



2500.000MHz E2



Frequency / MHz	Efficiency / %	Gain/ dB
2400	52.66	1.73
2410	50.12	1.32
2420	49.41	1.65
2430	55.08	2.59
2440	52.6	3.05
2450	50.38	2.56
2460	51.55	2.73
2470	52.43	2.95
2480	53.11	2.05
2490	50.32	2.55
2500	51.66	2.21

Active Test_WIFI_B					
Channel	Frequency				
			TRP(11bPS)		TIS(11Mbps)
1	2412		18.2		-83.4
6	2437		17.4		-83.7
13	2472		18.5		-84.6