



# Shenzhen Jinhong Wireless Technology, . LTD

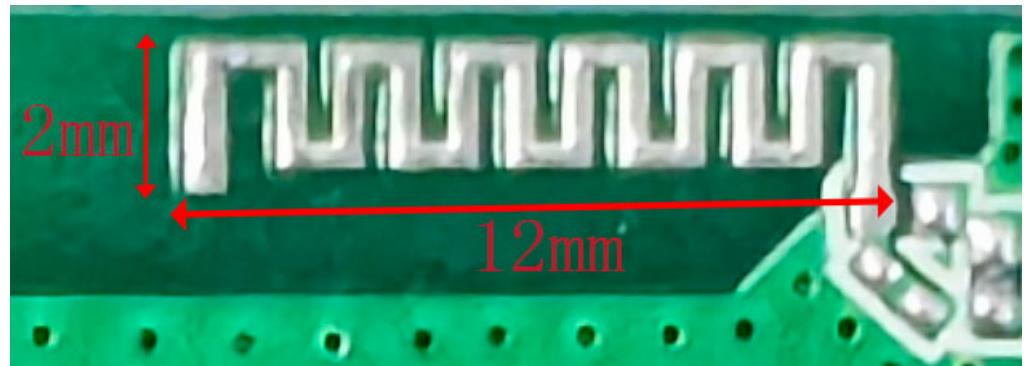
## Antenna specificationg

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## 2 instructions

This report includes several equipment, test environment and test results for the electrical performance of the antenna, as well as structural drawings and inspection reports of the antenna. Below is a picture of the antenna.



## 3 Product specifications

Electrical Specifications	
Frequency Range (MHz)	2400-2500
Gain (dBi)	0.9
VSWR	≤2
Input Impedance (Ω)	50
Polarization	Vertical
Maximum input power (W)	2
Input connector type	
Mechanical Specifications	
Dimensions (mm)	12 * 2
Antenna weight (kg)	
Antenna color	

## 4 Durability test

1	SAIT SPRAY TEST	Brine spray test: distilled water according to GB1266-86 standard: single distillation PH6.5 ~ 7 Spray volume: 1.4 me8 0 cm <sup>2</sup> / H compressed air pressure: 1kgf / cm <sup>2</sup> Test Relativity: 98 ° Temperature: 45 ° ~ 47 ° Pressure temperature: 35 ° Test time: 24hr	All characteristic range is 30 % of the initial value
2	HEAT TEST	85+2°C for 96 hours, after keep in normal condition for 30min the to test.	
3	HUMIDITY TEST	40+2°C 90-95%RH for 96hours, after keep in normal condition for 30min the to test.	
4	COLD TEST	-40+2°C for 96hours, after keep in normal condition for 30min the to test.	

## 5 Electrical performance test

### 5.1 Test equipment and environment



SATIMO-24



ETS



Simulated head and hands



安捷伦8960



安利MT8820C



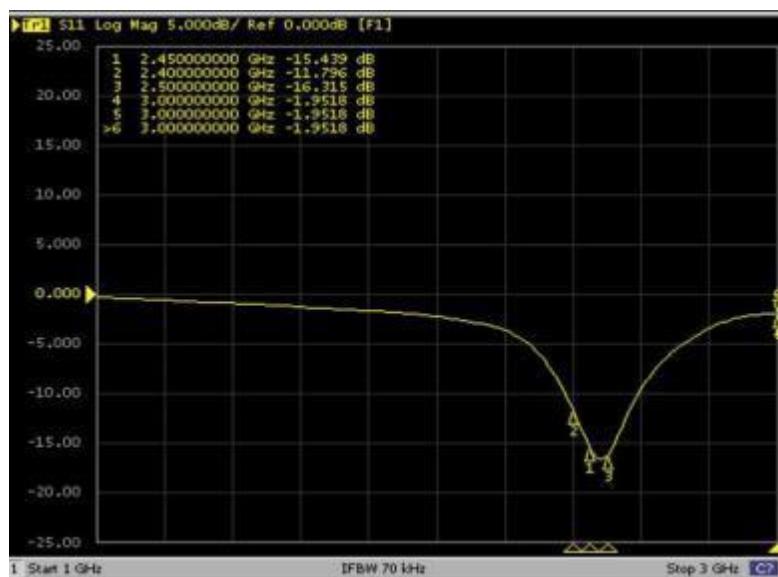
CMW500



安捷伦E5071C

Test system	Test environment	Active measuring range	Test frequency
SATIMO—24	温度: $22^{\circ}\text{C} \pm 3^{\circ}\text{C}$	支持2G/3G/4G	400MHZ—6G
ETS	湿度: $50\% \pm 15\%$	BT/WIFI/GPS	

### 5.2 Antenna Return Loss(RL) and SWR



### 5.3 Antenna passive test data

Test Point ID	Freq. (MHz)	Gain (dBi)	Efficiency (%)
1	2410.0	0.6	32.8%
2	2420.0	0.65	33.6%
3	2430.0	0.72	34.2%
4	2440.0	0.75	34.5%
5	2450.0	0.9	37%
6	2460.0	0.82	36.3%
7	2470.0	0.78	34.4%
8	2480.0	0.75	34.2%
9	2490.0	0.7	33.6%

3D CHART

