

## SPECIFICATION FOR APPROVAL

Manufacture Company:

KINTER NEW INDUSTRIAL TECHNOLOGY CO., LTD

Address:

Room 508, Xinzongsheng Building, Baotian 2nd Road,  
Xixiang Street, Baoan District, Shenzhen, China

Model: S1

## 1. Electrical Specification :

Those specifications were specially defined for S1 WIFI model, and all

characteristics were measured under the model's handset testing jig .

### 1-1. Frequency Band:

Frequency Band	MHz
Wi-Fi	2.4G&5G

### 1-2. Impedance

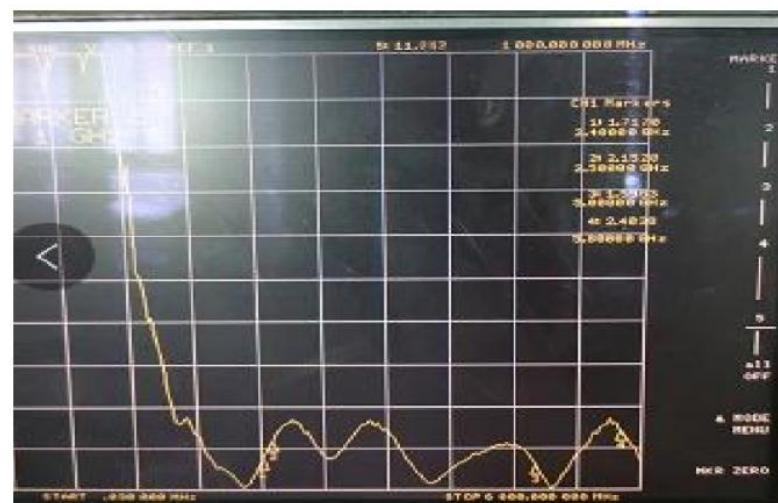
50 ohm nominal

## 2. VSWR

### 2-1 Measuring Method

1. A 50Ω 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.

### 2-2 Measurement frequency points and VSWR value



Frequency (MHz)	2400	2500	5000	5800
VSWR	1.66	2.1	1.5	2.18

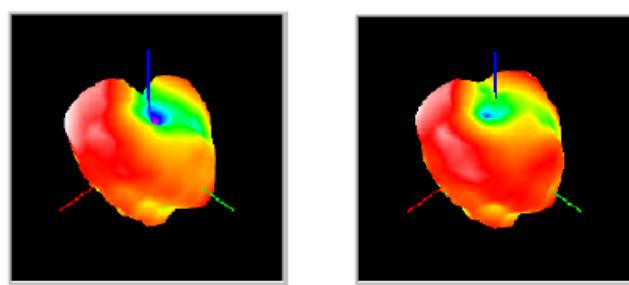
### 3-1 Measuring Method

1. Using a low loss coaxial cable to link a standard handset jig,
2. Fixed this handset jig on chamber's rotator plane,
3. Linking jig into network analyzer port and using a probing horn antenna to collect data,
4. Using another standard gain horn antenna to calibrated those data.

### 3-2 Efficiency and Gain Value

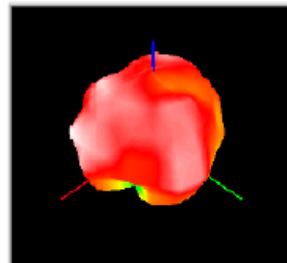
Frequency (MHz)	Efficiency (%)	Average GAIN (dB)	Peak GAIN (dBi)
2400	43.5%	-3.61	3.53
2450	42.8%	-3.69	3.17
2500	45.4%	-3.43	2.79
5000	42.6%	-3.71	4.28
5400	43.6%	-3.61	4.01
5800	46%	-3.37	3.96

### 3-3 3D Pattern

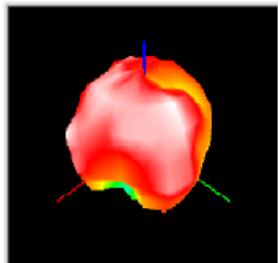


2400MHz

2500MHz



5000MHz



5800MHz

