

# ANTENNA REPORT

Manufacture: Hangzhou Kaite Electrical Appliance Co., Ltd.  
Product Name: 30014

Antenna Type: PCB

Test Date: 2022.03.18

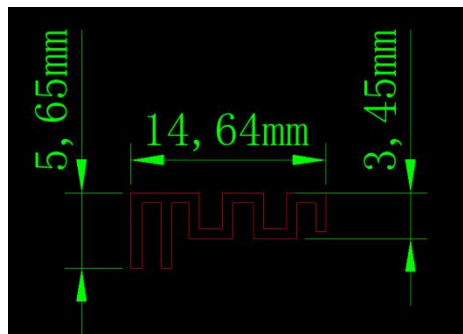
Tested by: Sam

## 1.Reference and Address

Manufacturer	Hangzhou Kaite Electrical Appliance Co., Ltd.
Address	SANDU INDUSTRIAL ZONE, JIANDE CITY, ZHEJIANG PROVINCE 311605
Test Location	Room 106, Building 3, Letong Science Park, No. 500, Qiuyi Road, Binjiang District, Hangzhou
Product Name	30014 Antenna
Product model	30014
Antenna Type	PCB Antenna
Test Items	Gain; Efficiency; Radiation Pattern
Test Frequency	2400-2500MHz
Test Standard	ANSI/IEEE Std 149-1979

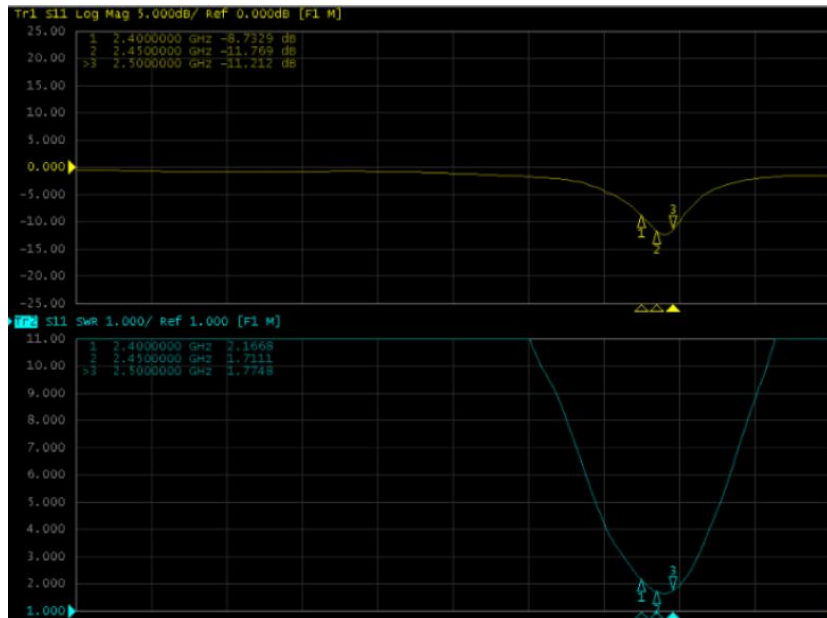
## 2.Antenna Specification

### 2.1 Antenna Photo & Length (mm)



### 2.2 Appendix B S11/VSWR

Frequency	2400 MHz	2450 MHz	2500 MHz
Return Loss	-8.75	-11.72	-11.22
VSWR	2.15	1.72	1.76



## 2.3 Gain and Efficiency

Frequency(MHz)	Efficiency (%)	Gain(dBi)
2400	24.35	-1.1
2410	25.31	-0.56
2420	24.11	-0.37
2430	22.42	-0.33
2440	27.93	0.07
2450	26.91	0.11
2460	25.82	-0.25
2470	26.75	-0.36
2480	21.46	-1.13
2490	20.67	-1.17
2500	21.25	-0.14

## 2.4 Radiation Pattern

2D drawings are provided by Dongguan UB Electronic CO.,LTD

