

# SPECIFICATION FOR APPROVAL

CUST OMER: Shenzhen Ai-Thinker Technology Co., LtdCUS PART NO: Ai-WB2-12FPART NAME: 2.4G WLAN AntennaEdition: 1.1

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**SHENZHEN B&T TECHNOLOGY Co., Ltd****ZHONGSHAN B&T TECHNOLOGY Co., Ltd**

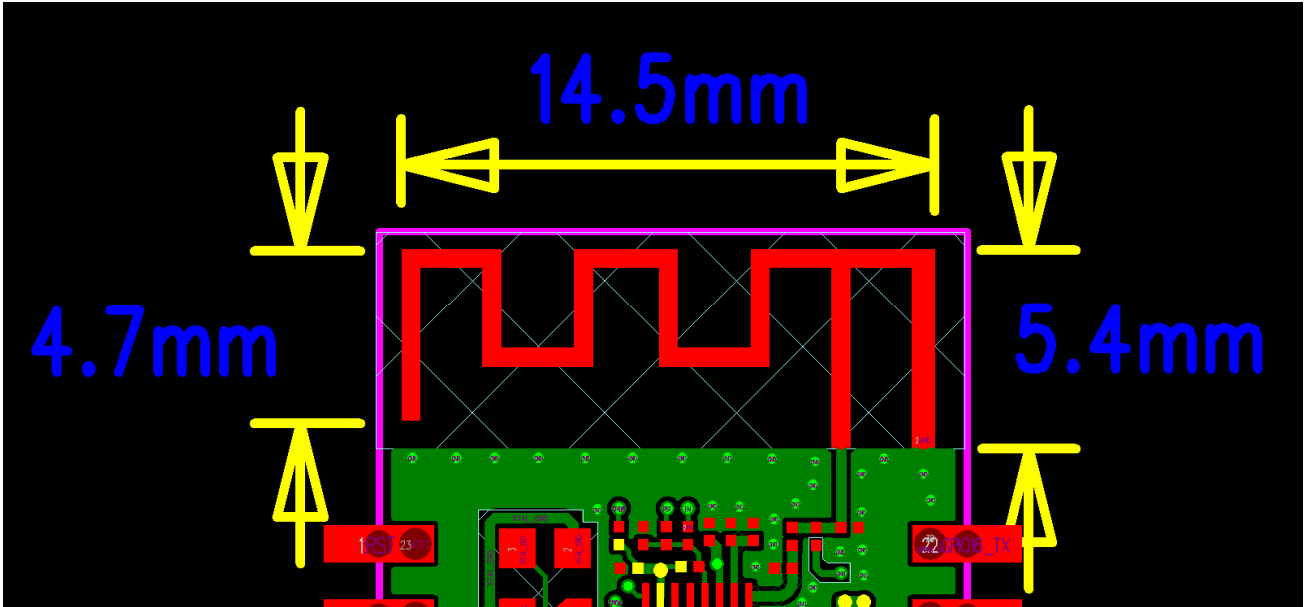
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## Directory

1. Antenna Dimension .....	- 3 -
2. Performance parameter .....	- 3 -
3. VSWR .....	- 4 -
4. Passive test data: .....	- 4 -

# Product specification

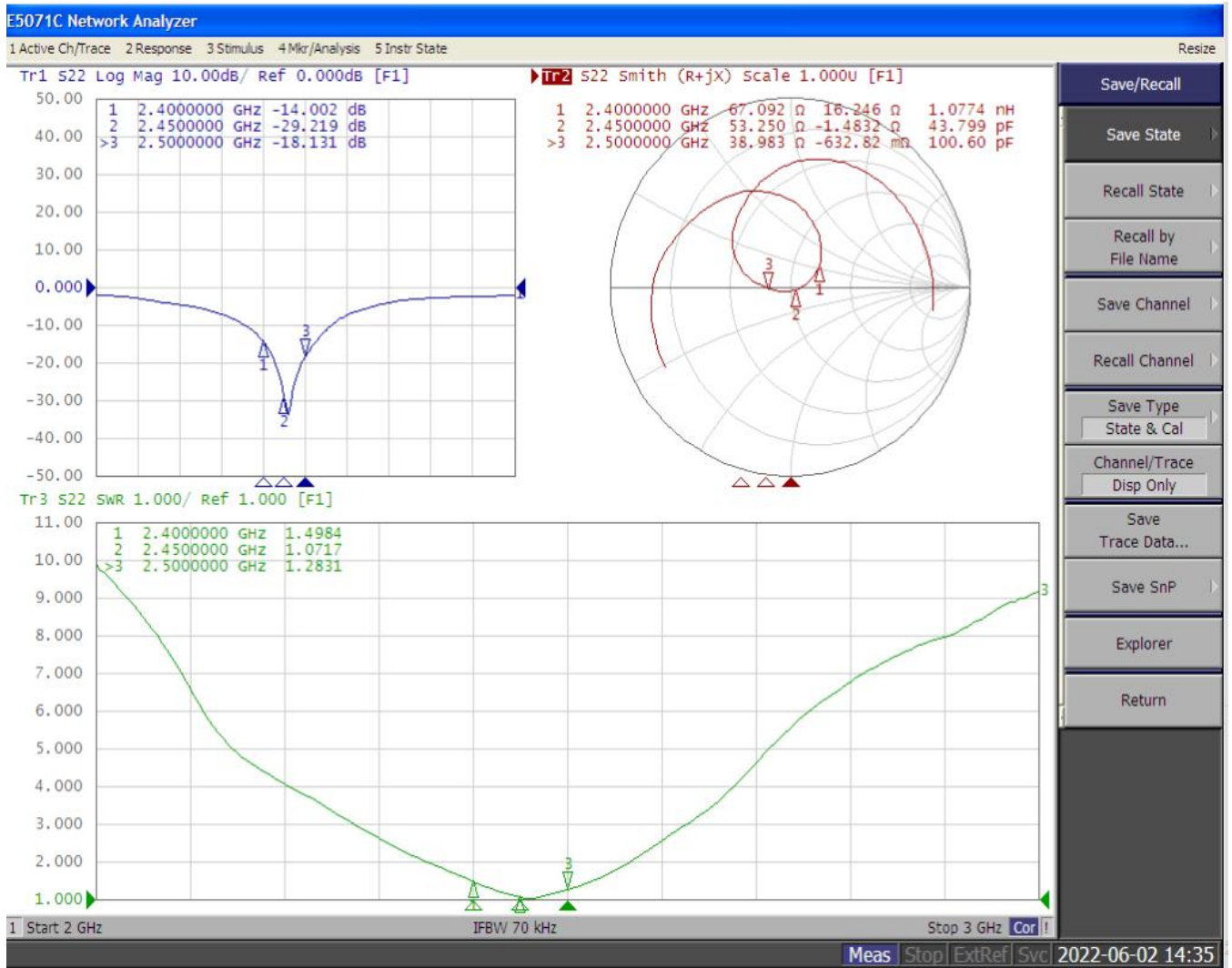
## 1. Antenna Dimension



## 2. Performance parameter

Name	2.4G WLAN Antenna
Model Type	PCB Print Antenna
ELECTRICAL SPECTFICATIONS	
Frenquency Range	2400-2500MHz
Band Width	100MHz
Impedance	50 $\Omega$
VSWR	< 2.0
Max Gain	2.46dBi
Polarization	Vertical/Horizontal
Radiation	Omnidirectional
Power	50 W

### 3. VSWR

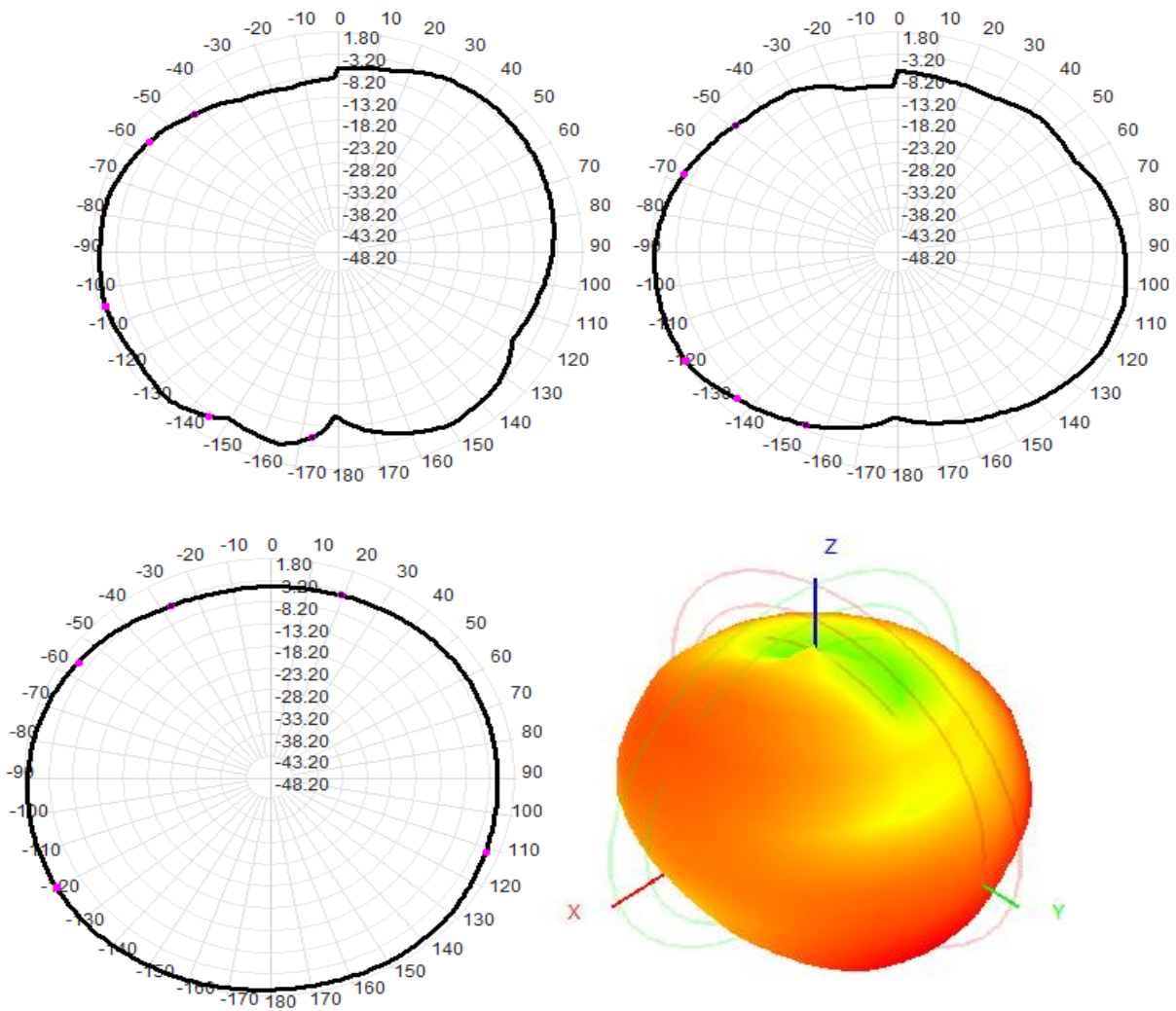


### 4. Passive test data:

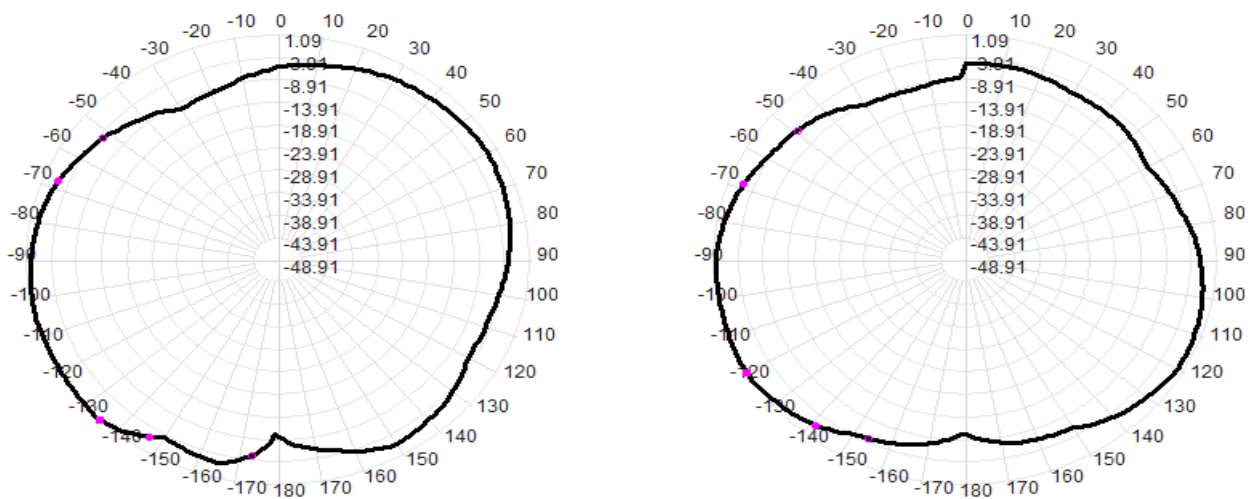
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	2.46	2.41	2.03	1.88	1.46	1.73	1.79	1.76	1.66	1.22	1.07
Efficiency (%)	61.00	62.04	60.03	62.22	58.96	64.17	63.83	62.07	60.04	54.27	52.93

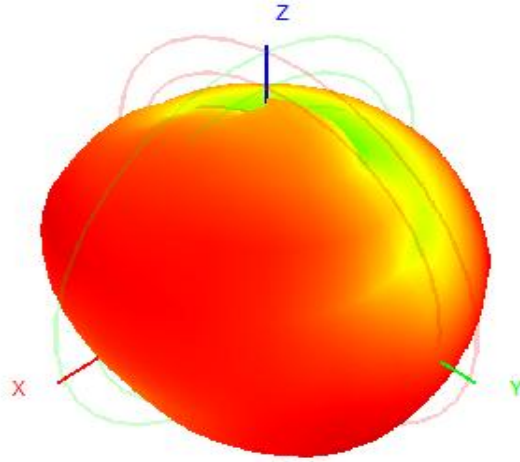
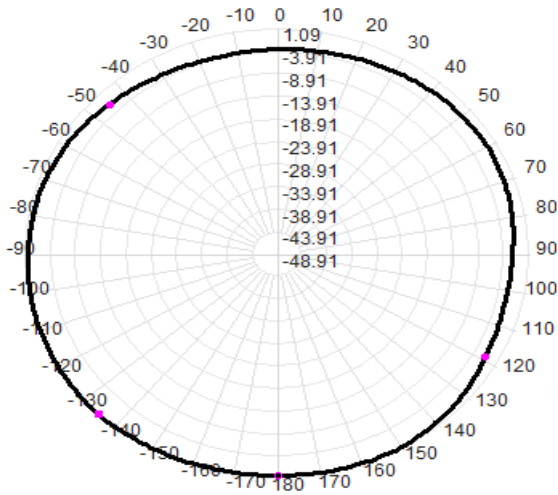
## 5. Radiation pattern

### (1) 2400MHz



### (2) 2450MHz





(3) 2500MHz

