

# SPECIFICATION FOR APPROVAL

CUST OMER: Shenzhen Ai-Thinker Technology Co., LtdCUS PART NO: PB-03PART NAME: 2.4G WLAN AntennaEdition: 1.0

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## Directory

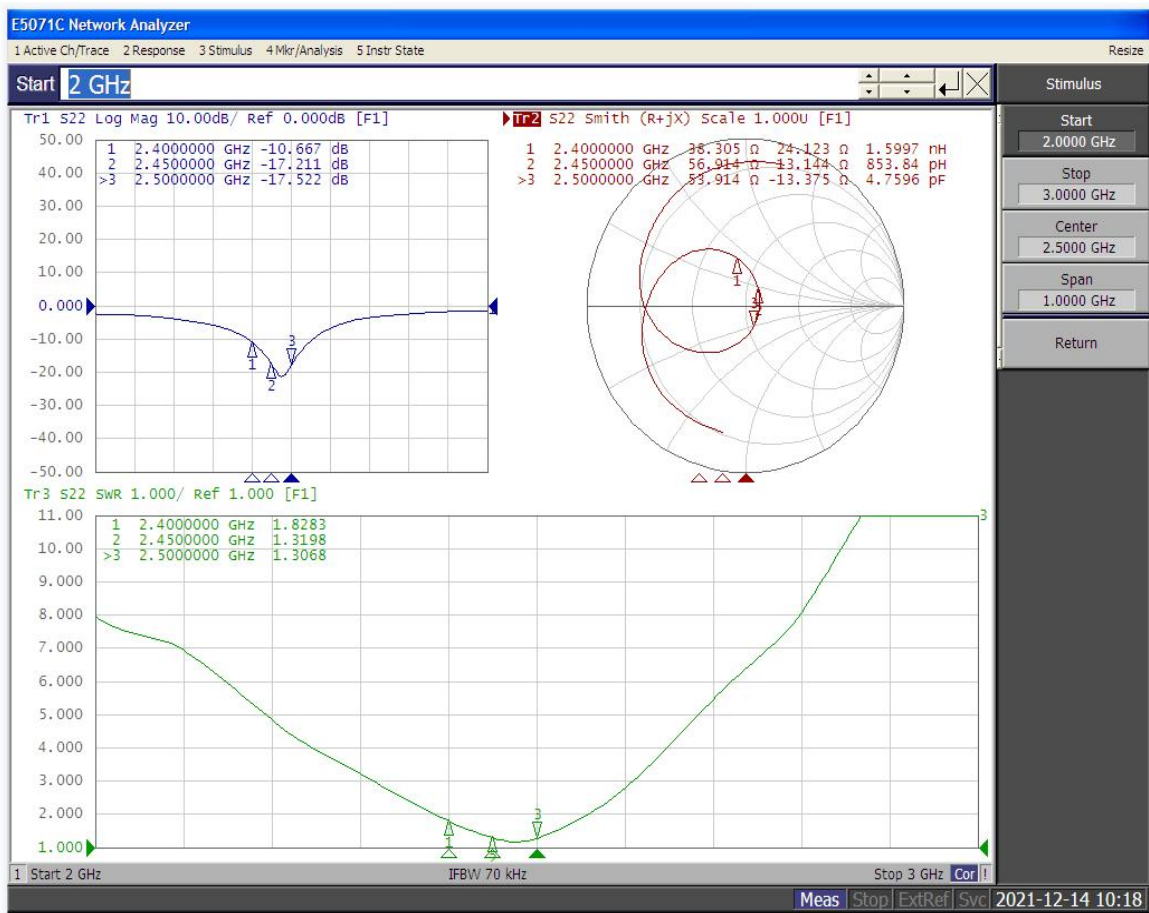
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# Product specification

## 1、 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	2.56dBi
Polarization	Vertical/Horizontal
Radiation	Omnidirectional
Power	50 W
MECHANICAL SPECTFICATIONS	
Connector	Welding type
Working Temperature	-40°C - + 85°C
Limit Temperature	-40°C - + 125°C

## 2、VSWR

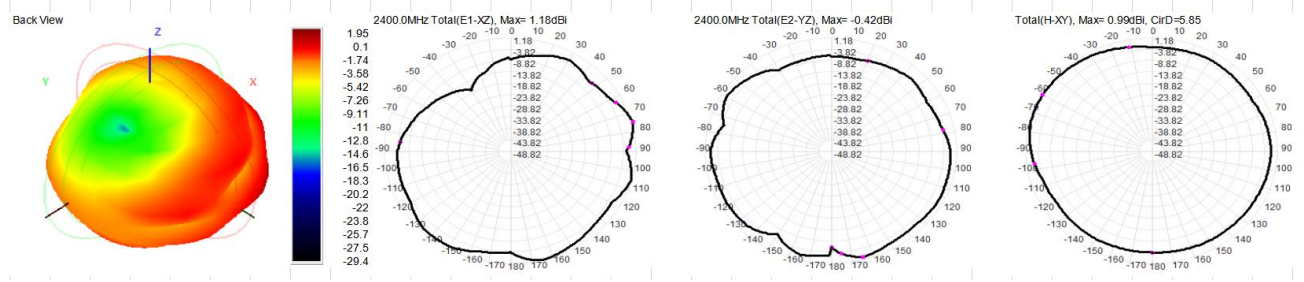


## 3、Passive test data:

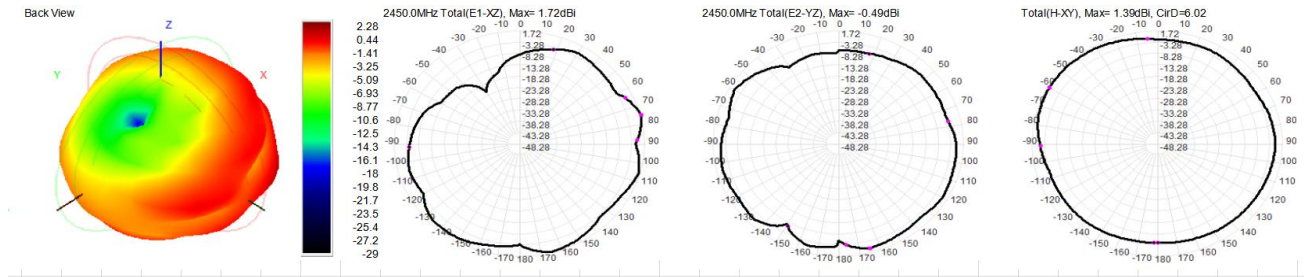
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	1.95	2.10	1.96	2.11	2.04	2.28	2.30	2.39	2.35	2.56	2.36
Efficiency (%)	54.51	56.69	55.34	57.62	56.20	58.56	58.07	58.32	56.88	59.15	56.37

### 4、Radiation pattern

#### 2400MHz



#### 2450MHz



#### 2500MHz

