

SPECIFICATION FOR APPROVAL

CUST OMER: Shenzhen Ai-Thinker Technology Co., Ltd

CUS PART NO: ESP32-S

PART NAME: 2.4G WLAN Antenna

Edition: 1.0

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Directory

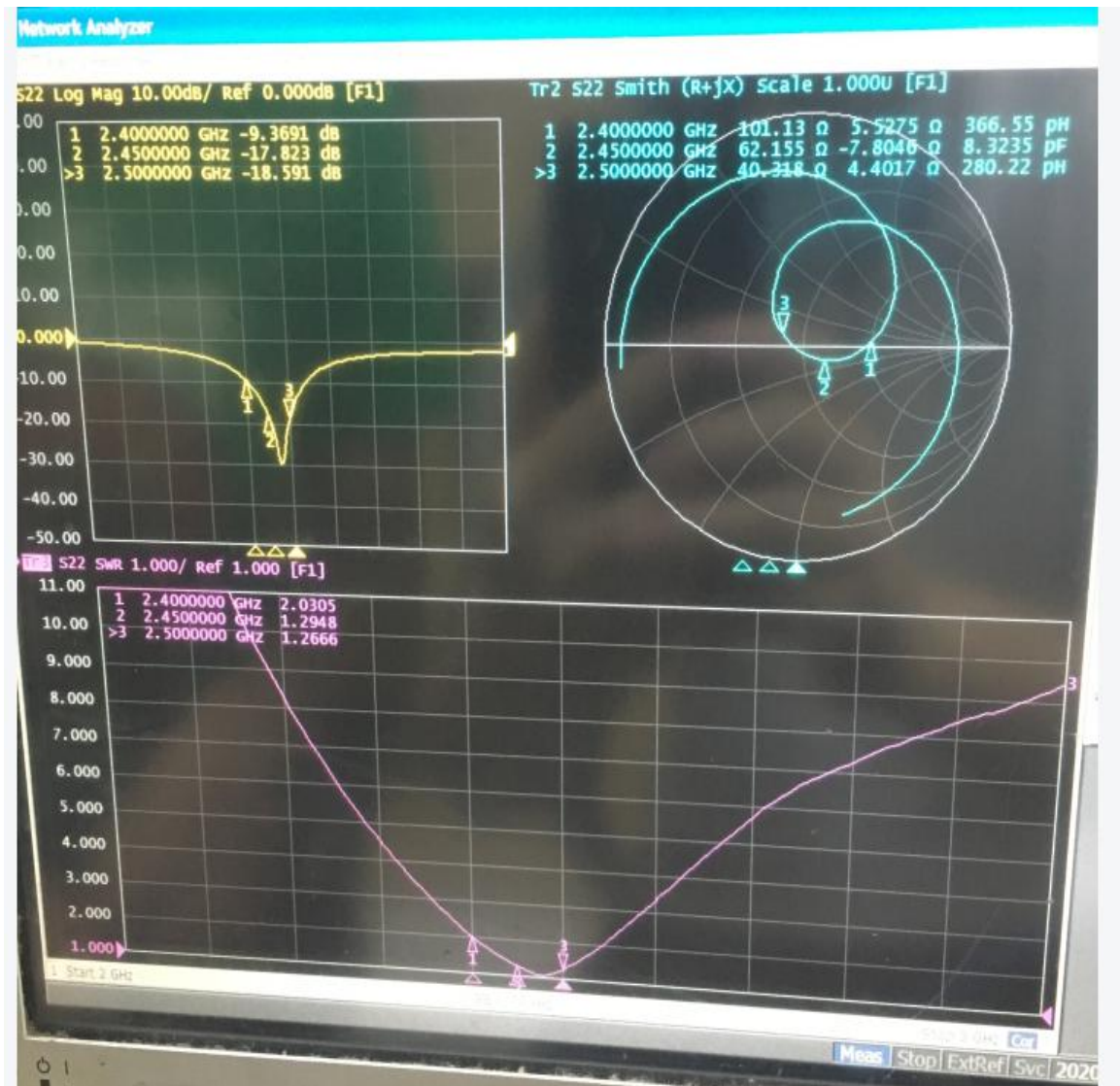
1、Performance parameter	3
2、VSWR	4
3、Passive test data.....	4
4、Radiation pattern	5

Product specification

1、Performance parameter

Name	<u>2.4G WLAN Antenna</u>
Model Type	PCB Print Antenna
ELECTRICAL SPECTFICATIONS	
Frenquency Range	2400-2500MHz
Band Width	100MHz
Impedance	50 Ω
VSWR	< 2.0
Max Gain	2dBi
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

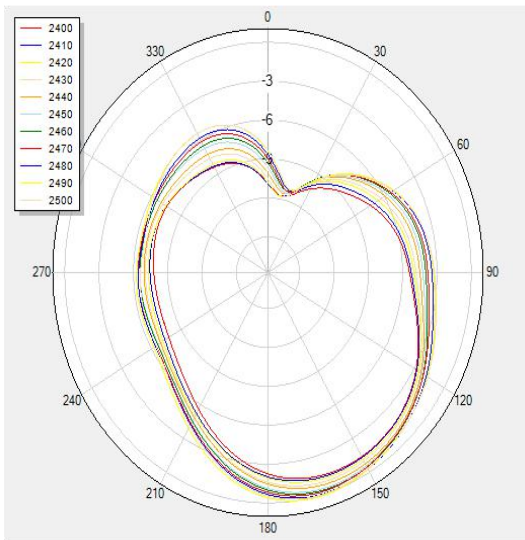


3、Passive test data:

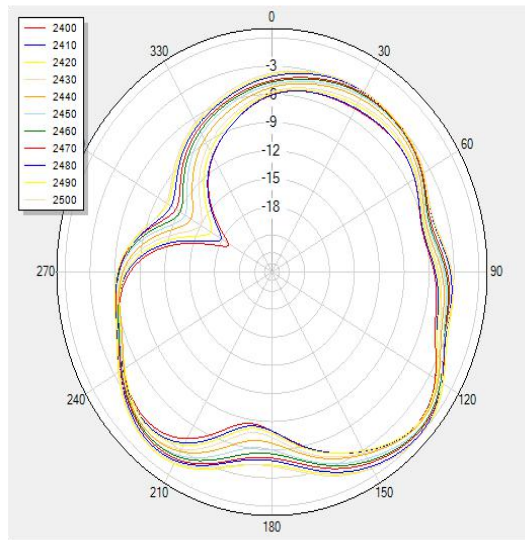
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	1.27	1.26	1.62	1.35	1.39	1.64	1.89	2.00	1.96	1.84	1.71
Efficiency (%)	48.62	48.84	51.31	49.07	49.85	53.47	54.63	55.12	55.21	55.09	53.65

4、Radiation pattern

H Theta=90



V Phi=90



V Phi=0

