

SPECIFICATION FOR APPROVAL

CUST OMER: Shenzhen Ai-Thinker Technology Co., LtdCUS PART NO: ESP32-SPART NAME: 2.4G WLAN AntennaEdition: 1.0

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Directory

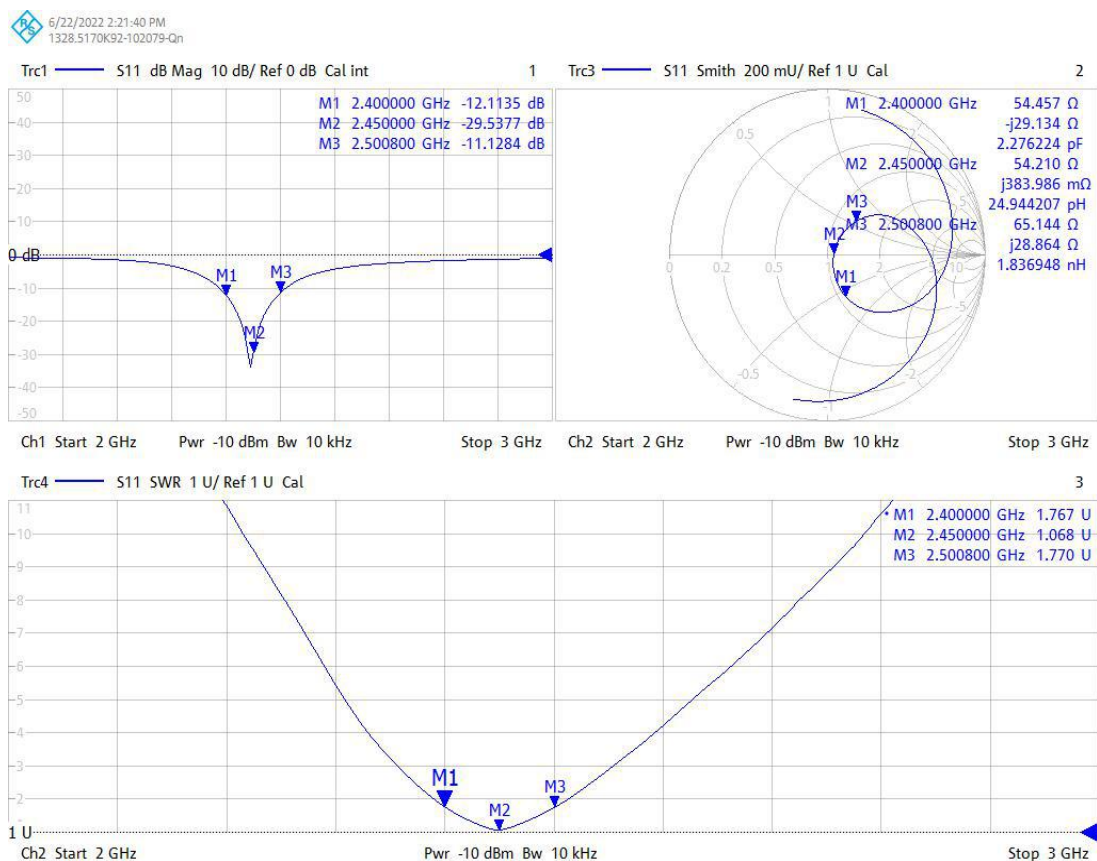
1、Performance parameter	3
2、VSWR	4
3、Passive test data.....	4
4、Radiation pattern	5

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	2.08dBi
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

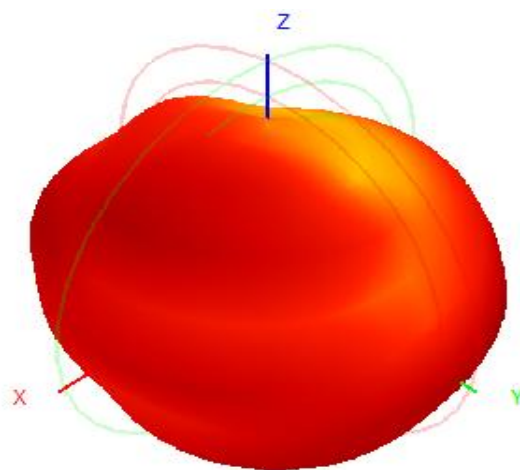
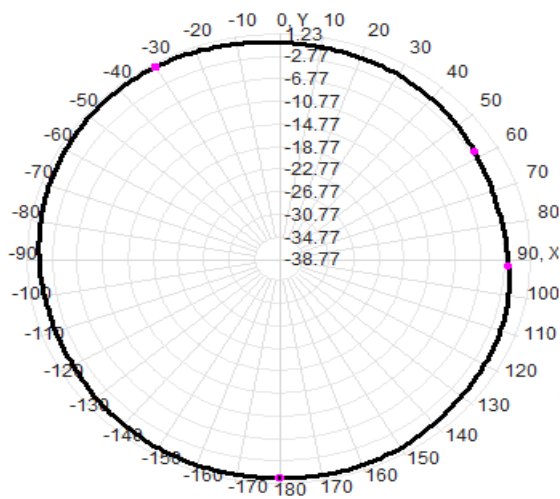
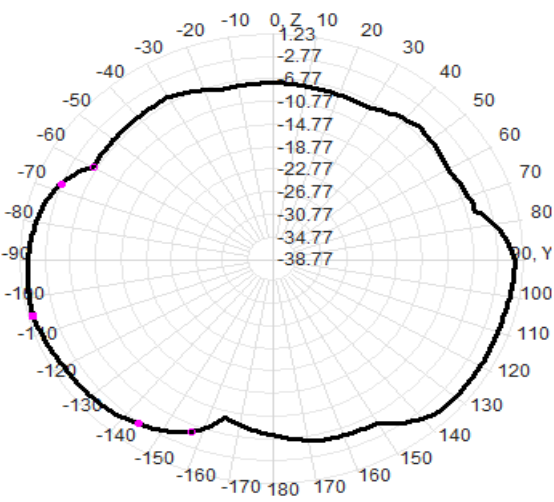
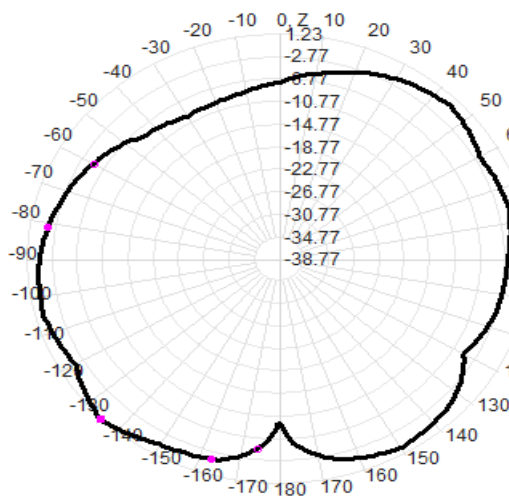


3、Passive test data:

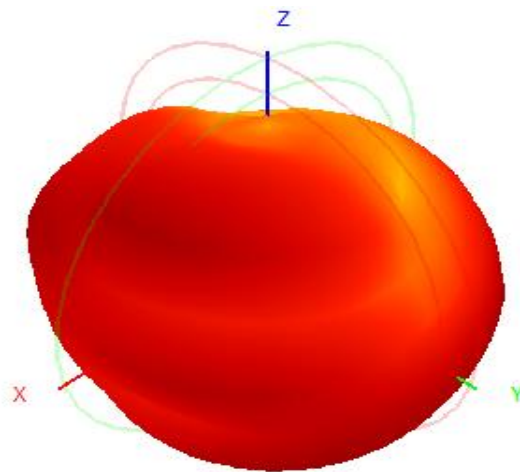
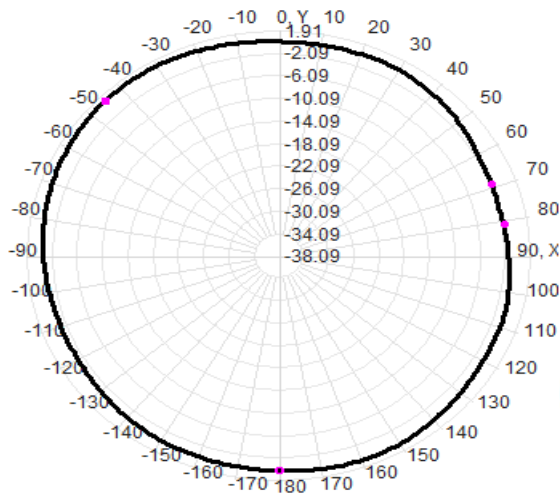
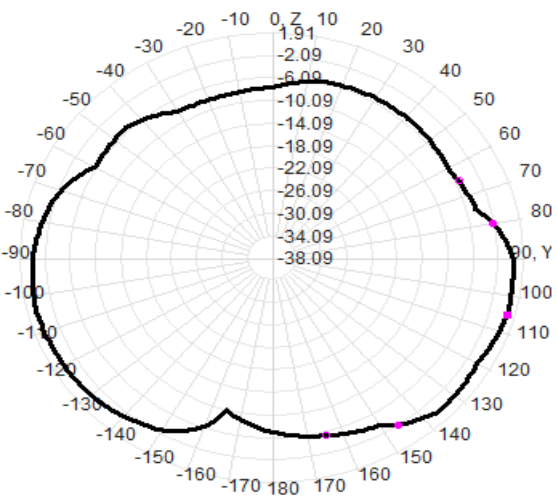
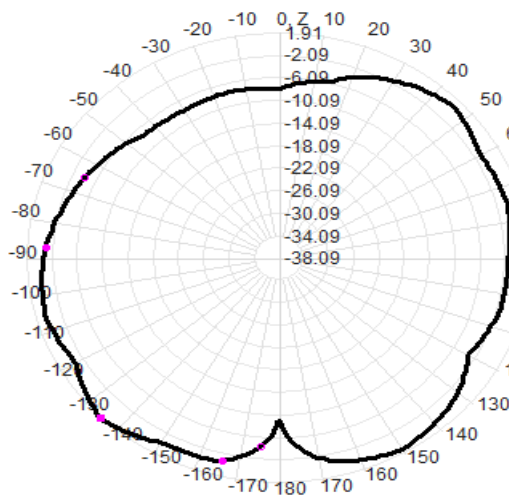
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	1.23	1.22	1.36	1.51	1.78	1.91	2.00	2.08	2.03	1.89	1.85
Efficiency (%)	63.80	64.44	66.01	68.50	71.44	73.28	73.61	73.59	72.45	68.30	67.66

4、Radiation pattern

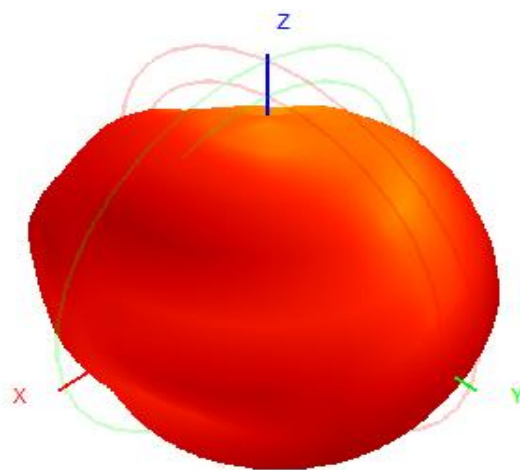
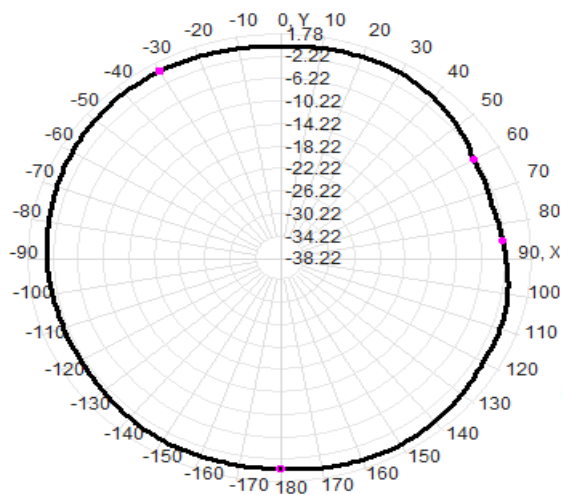
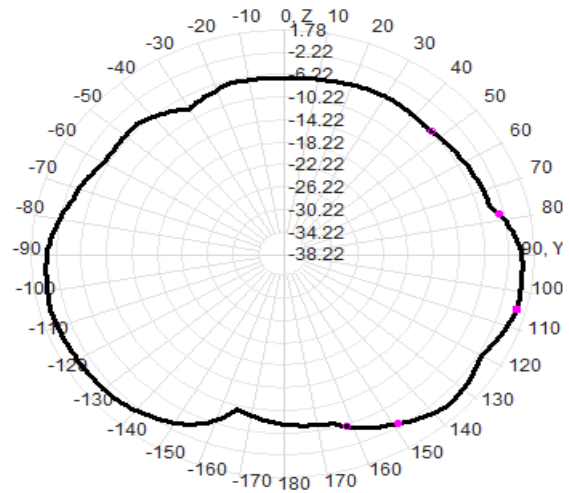
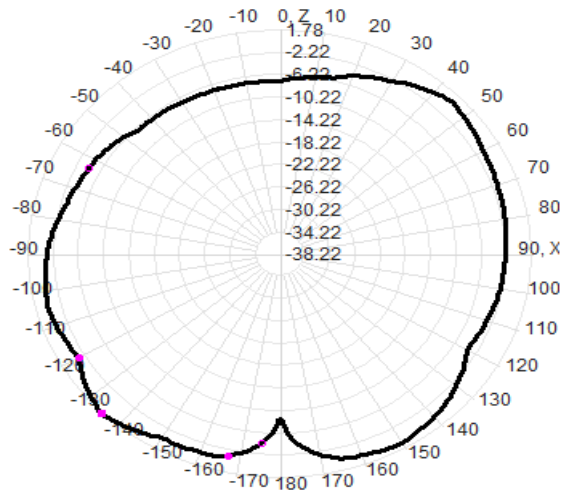
2400MHz



2450MHz



2500MHz



Antenna pattern

