
SPECIFICATION FOR APPROVAL

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

CUS PART NO: ESP-C3-12F

PART NAME: 2.4G WLAN Antenna

Edition: 1.0

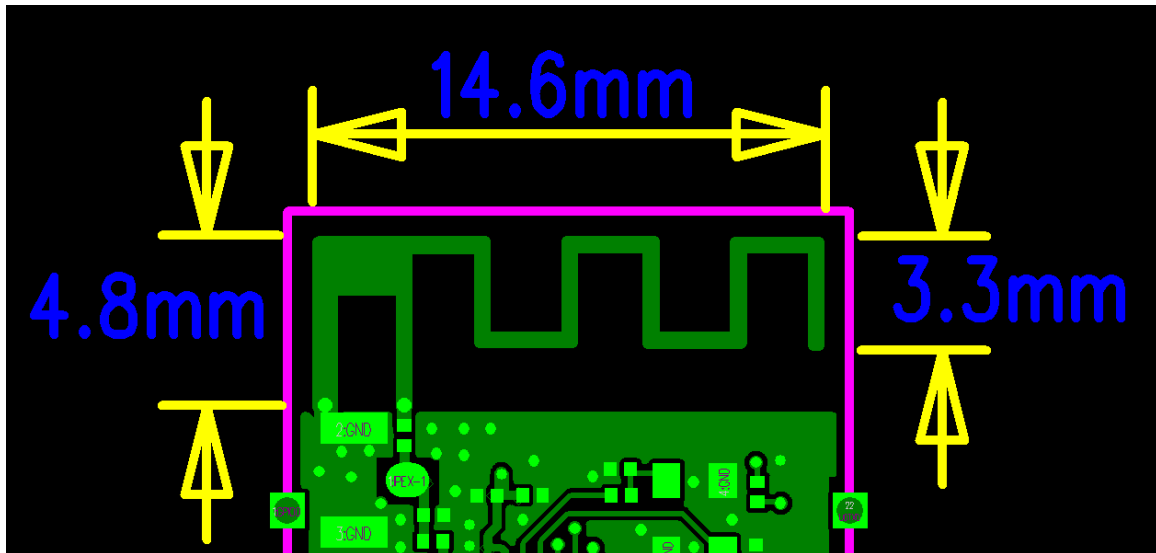
Editor	Deng Chaomei	2021/04/11
Verifier	Guan Ning	2021/04/11
Approver	Xu Fuqiang	2021/04/11

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Product specification

1. Antenna Dimension



2. 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	< 2.1
Max Gain	1.66dBi
Polarization	Vertical/Horizontal
Radiation	Omnidirectional
Power	50 W

3. VSWR

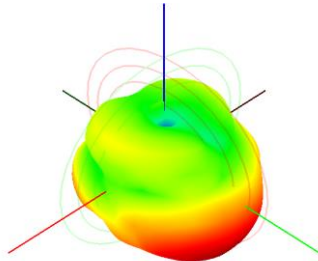
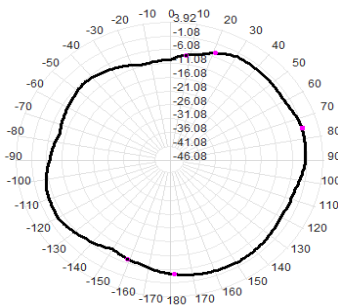
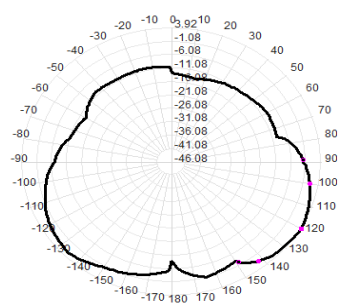
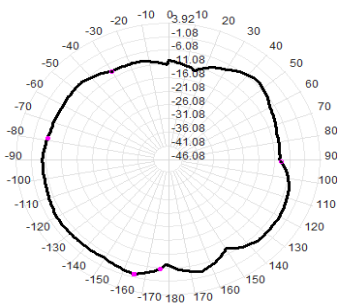


4. Passive test data:

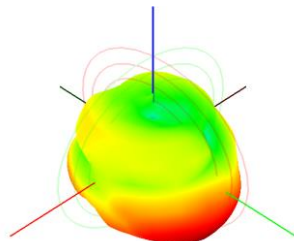
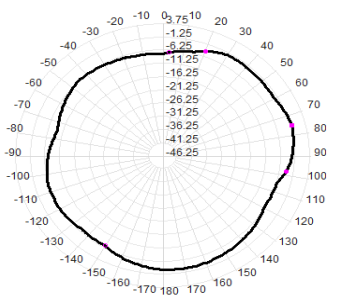
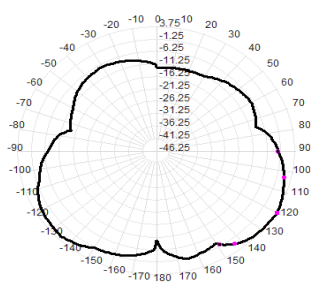
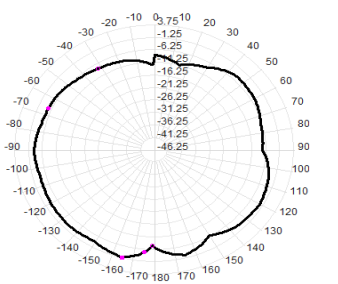
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	1.26	1.21	1.61	1.43	1.65	1.66	1.45	1.46	1.65	1.17	1.36
Efficiency (%)	60.43	58.41	60.94	56.70	59.00	60.00	58.42	58.72	60.16	52.79	53.90

5. Radiation pattern

(1) 2400MHz



(2) 2450MHz



(3) 2450MHz

