

SPECIFICATION FOR APPROVAL

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

CUS PART NO: Ai-WB2-12F

PART NAME: 2.4G WLAN Antenna

Edition: 1.1

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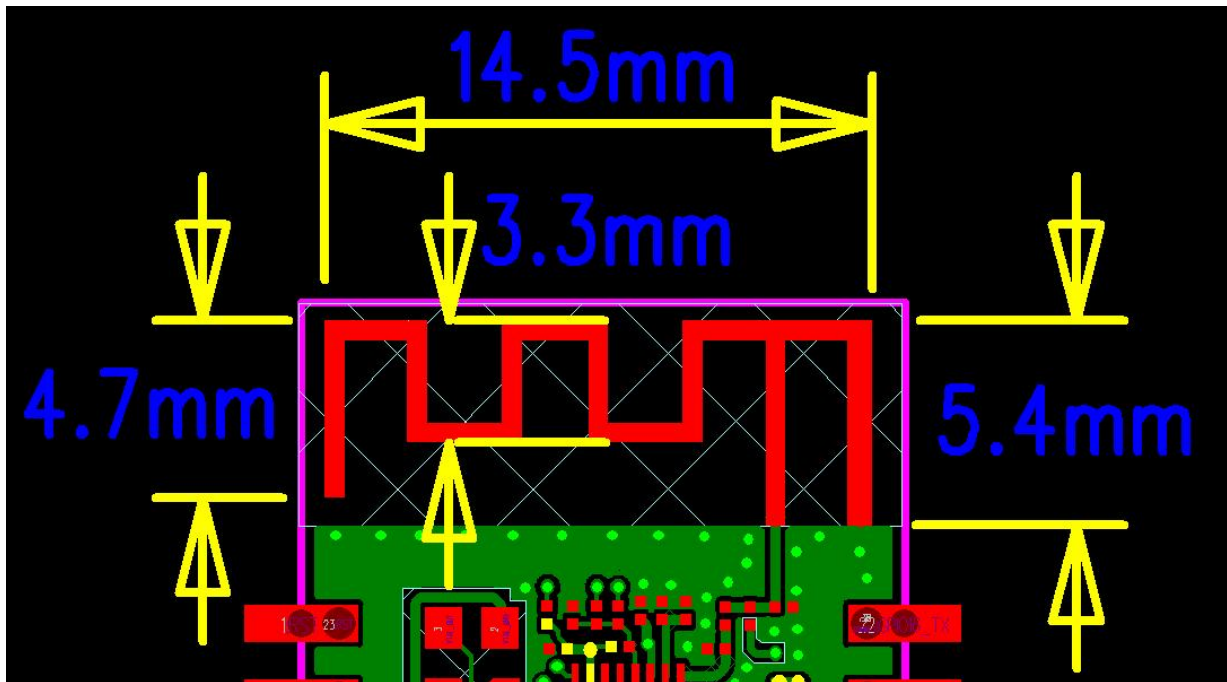
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Product specification

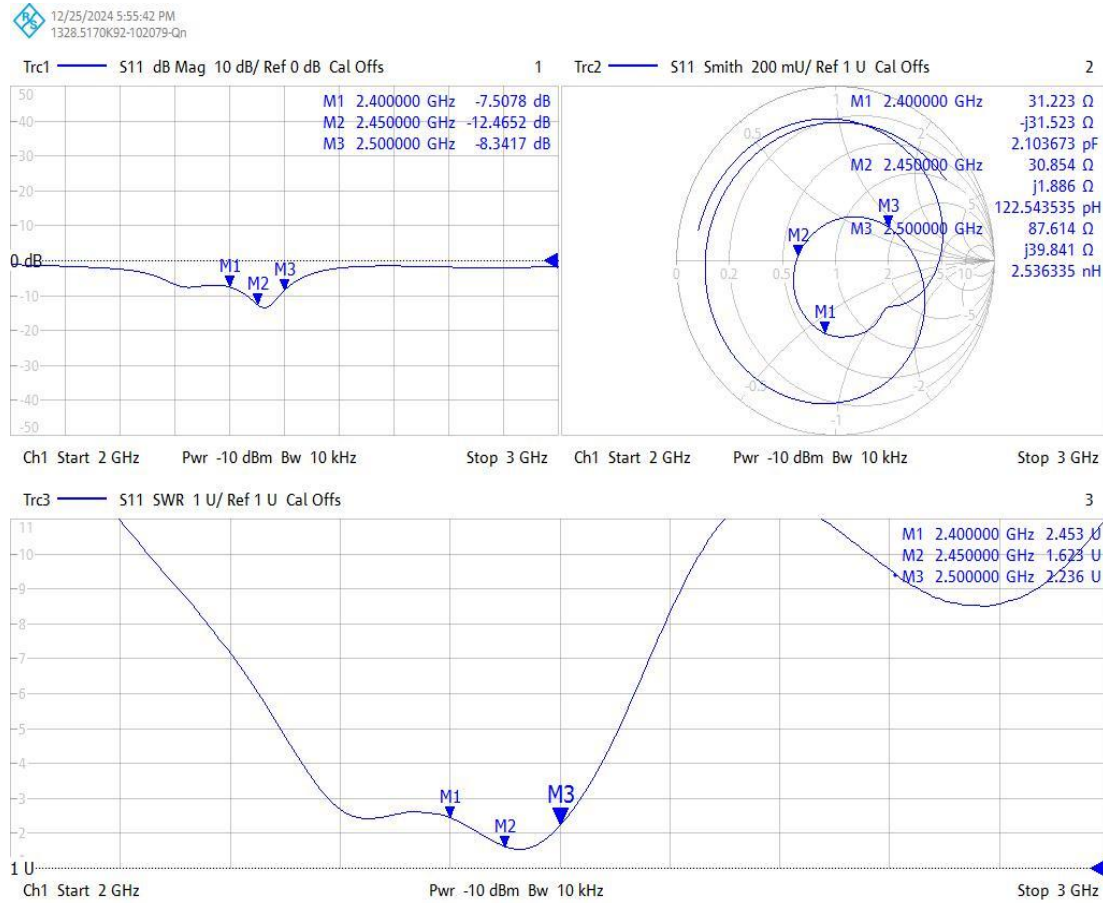
1. Antenna Dimension



2. Performance parameter

Name	2.4G WLAN Antenna
Model Type	PCB Print Antenna
ELECTRICAL SPECTFICATIONS	
Frenquency Range	2400-2500MHz
Band Width	100MHz
Impedance	50 Ω
VSWR	< 3.0
Max Gain	1.06dBi
Polarization	Vertical/Horizontal
Radiation	Omnidirectional
Power	50 W

3. VSWR

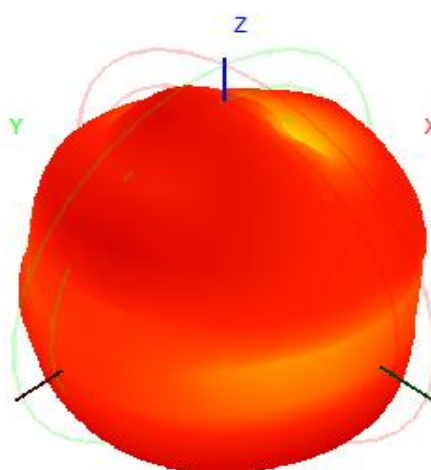
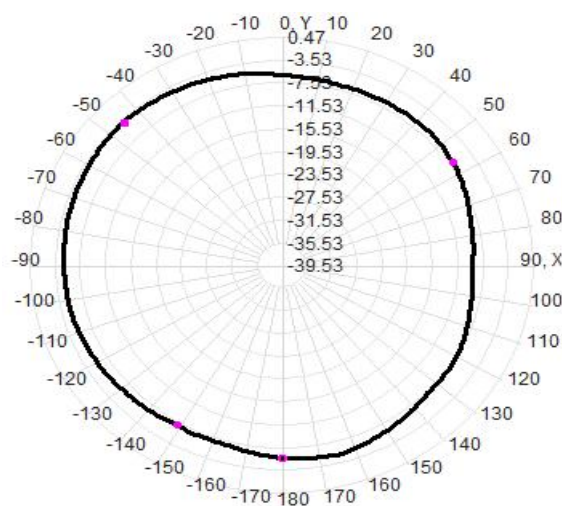
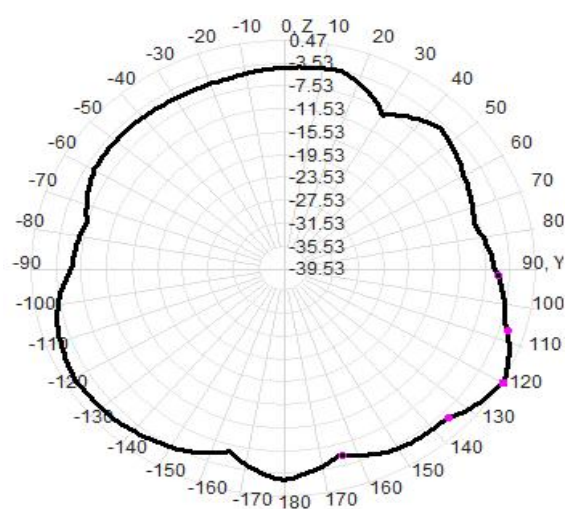
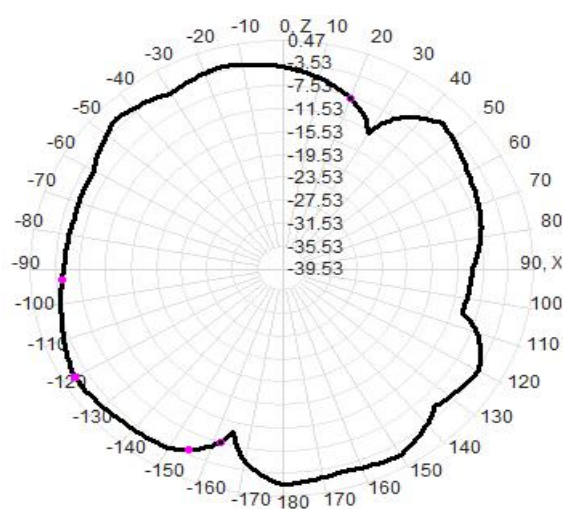


4. Passive test data:

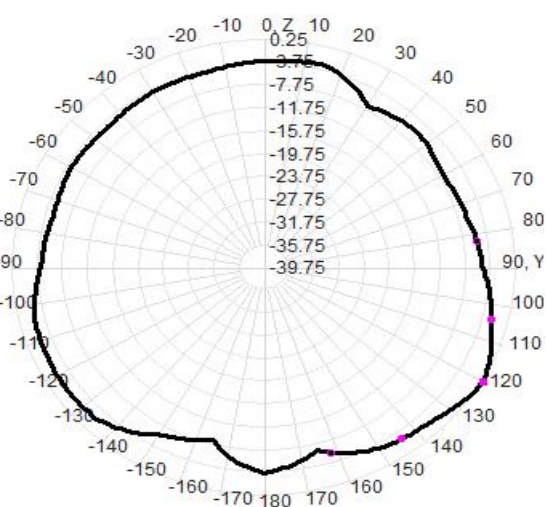
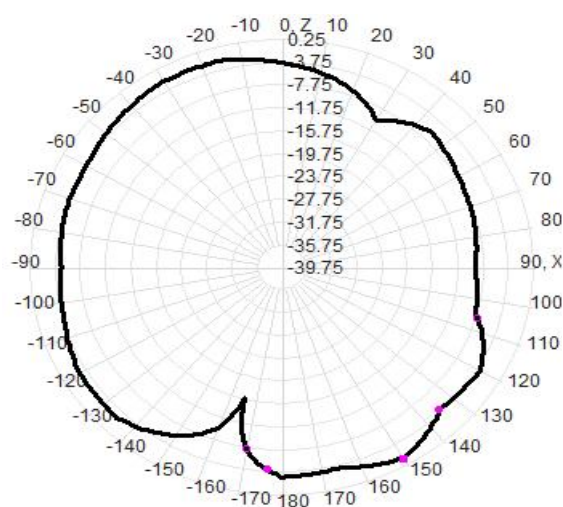
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	1.06	1.04	1.03	0.95	0.88	0.73	0.73	0.59	0.60	0.49	0.29
Efficiency (%)	37.88	38.70	39.82	39.60	38.89	37.99	36.15	34.15	32.38	30.75	29.46

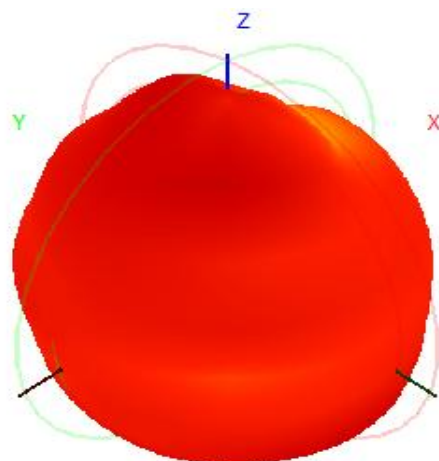
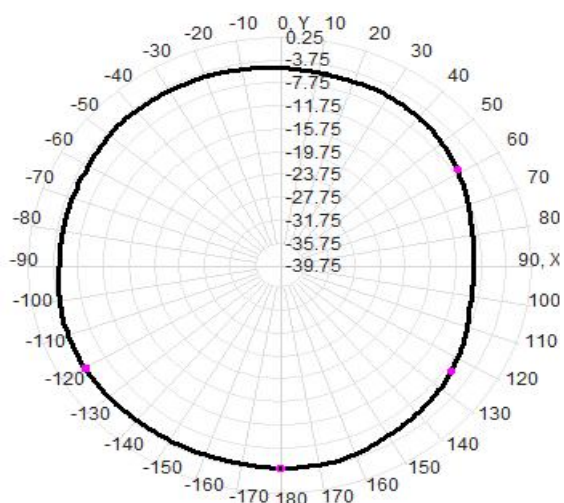
5. Radiation pattern

(1) 2400MHz



(2) 2450MHz





(3) 2500MHz

