

SPECIFICATION FOR APPROVAL

CUST OMER: Shenzhen Ai-Thinker Technology Co., LtdCUS PART NO: Ai-WB2-13UPART NAME: 2.4G WLAN AntennaEdition: V1.0

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**SHENZHEN B&T TECHNOLOGY Co., Ltd****ZHONGSHAN B&T TECHNOLOGY Co., Ltd**

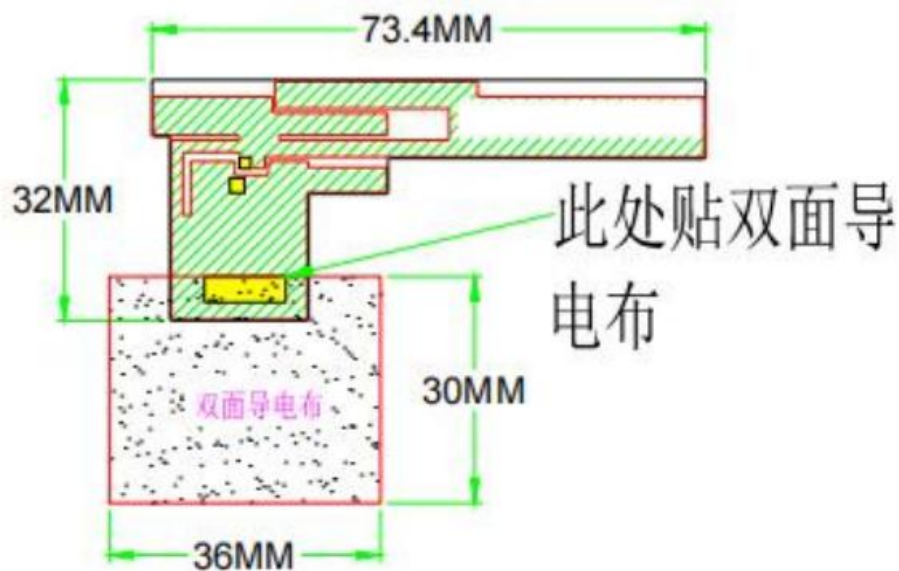
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Product specification

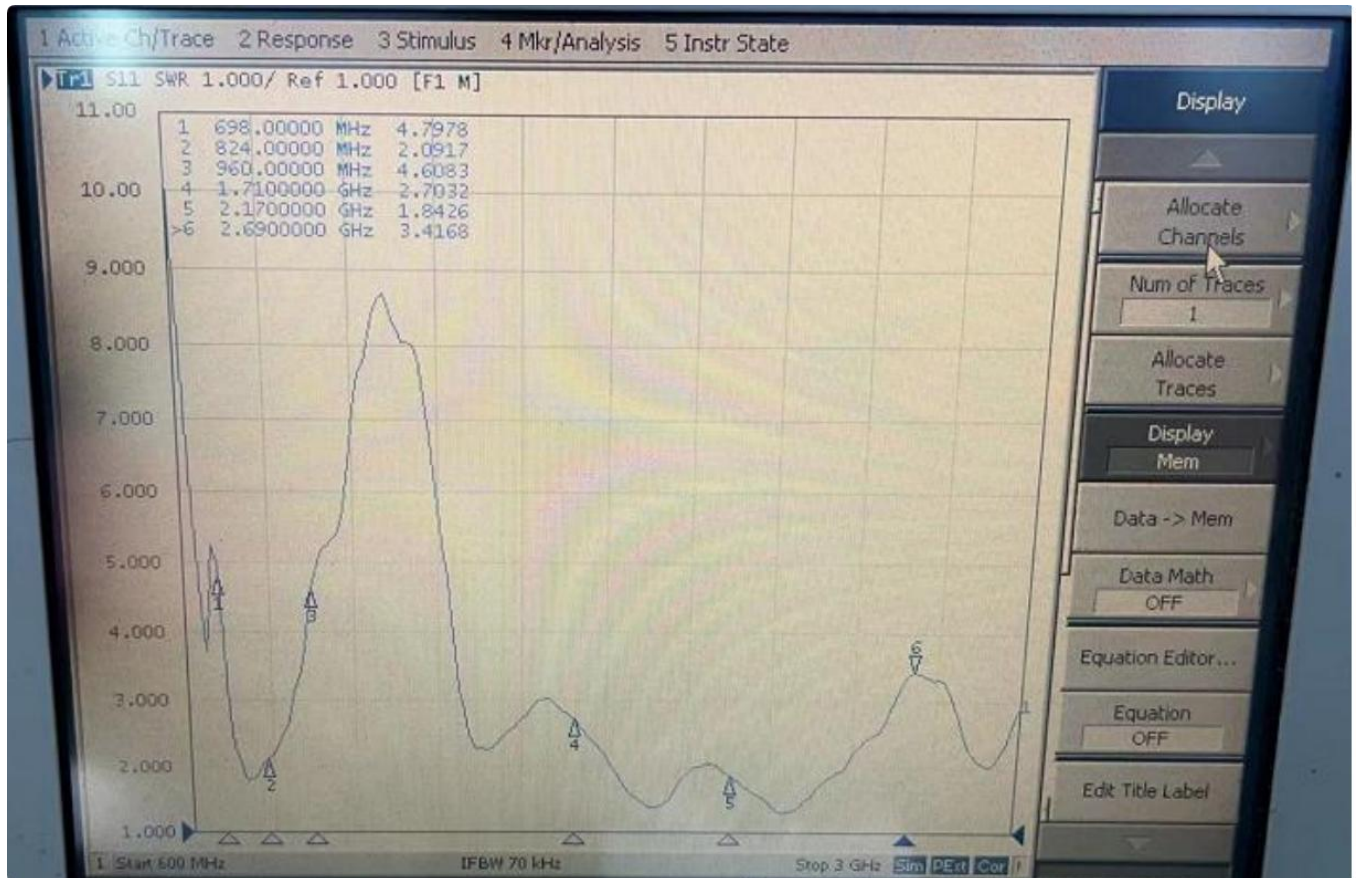
1. Antenna Dimension



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	< 2.0
Max Gain	2.98dBi
Polarization	Vertical
Radiation	Omnidirectional
Power	1 W

3. VSWR



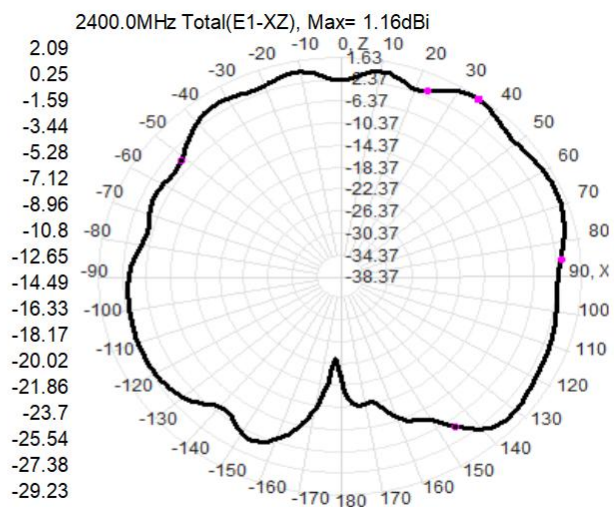
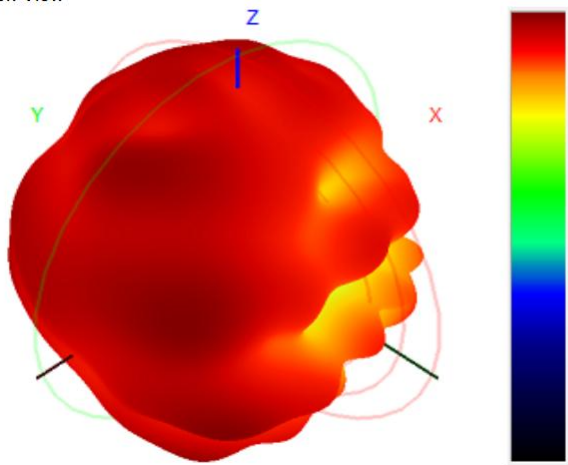
4. Passive test data:

Frequency (MHz)	2400	2450	2500
Gain (dBi)	2.09	2.58	2.98
Efficiency (%)	58.87	65.35	66.93

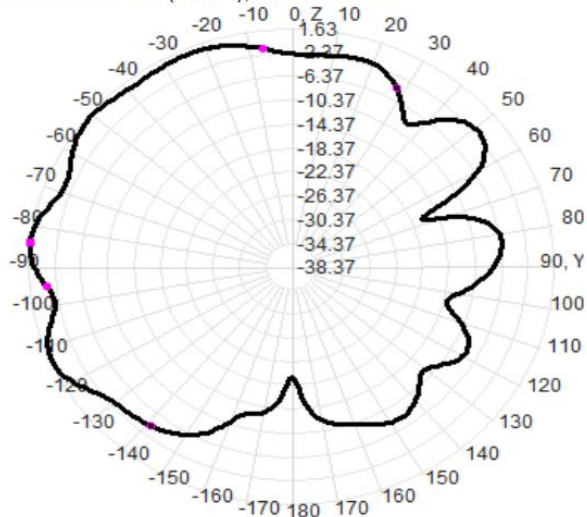
5. Radiation pattern

(1) 2400MHz

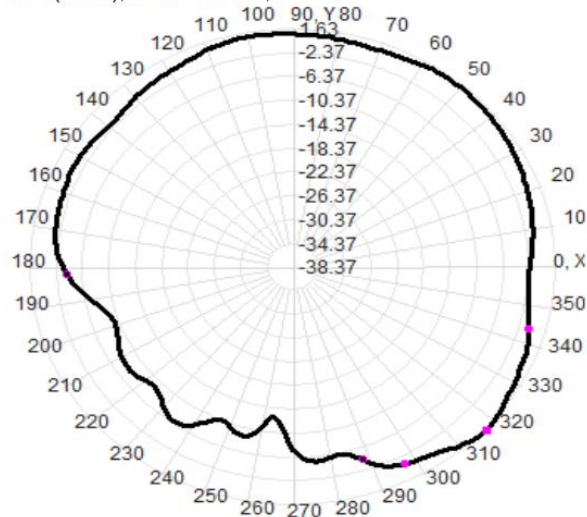
Back View



2400.0MHz Total(E2-YZ), Max= 1.60dBi

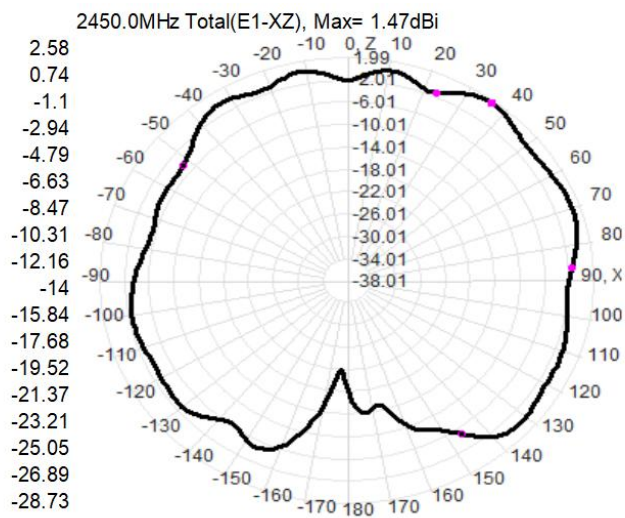
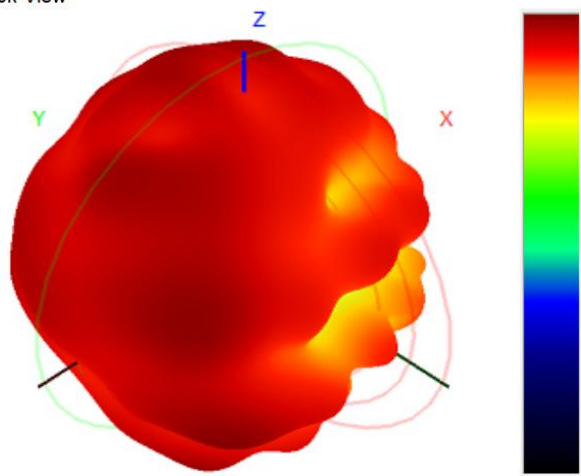


Total(H-XY), Max= 1.63dBi, CirD=14.74

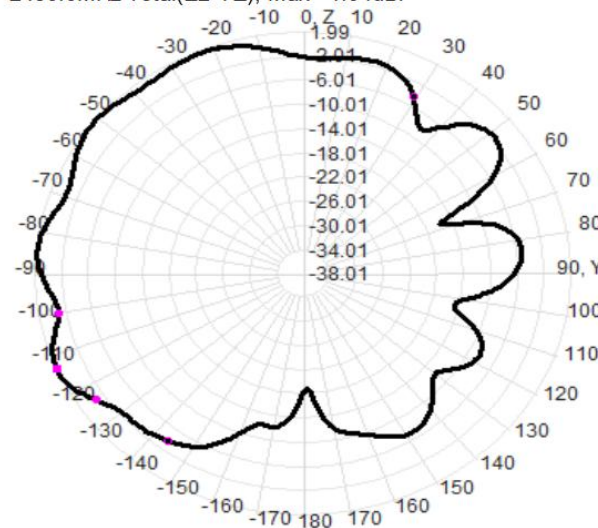


(2) 2450MHz

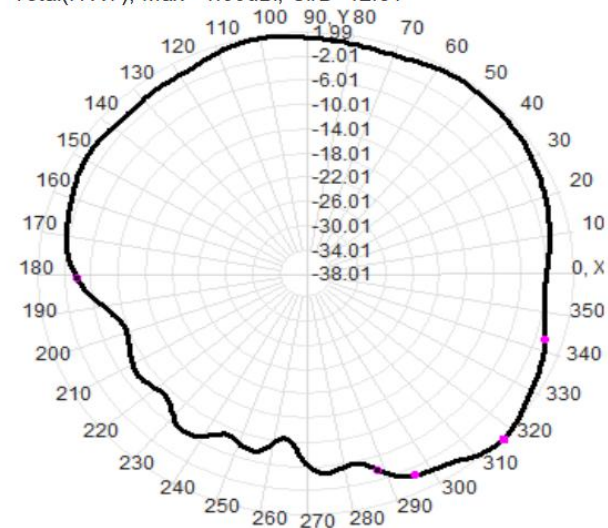
Back View



2450.0MHz Total(E2-YZ), Max= 1.94dBi

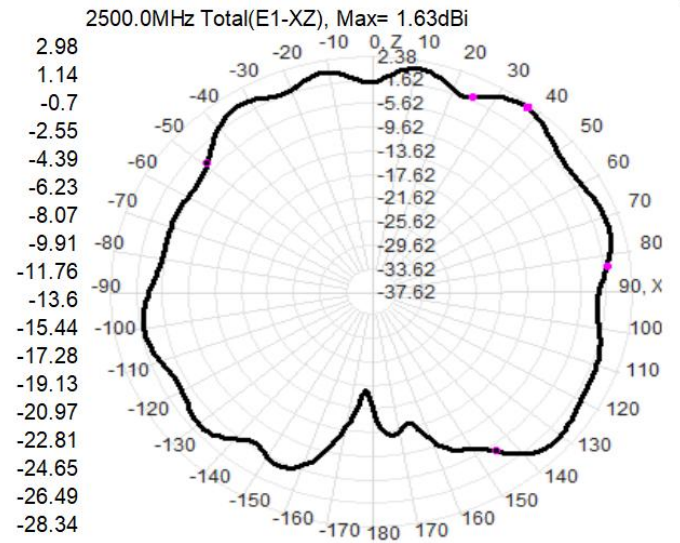
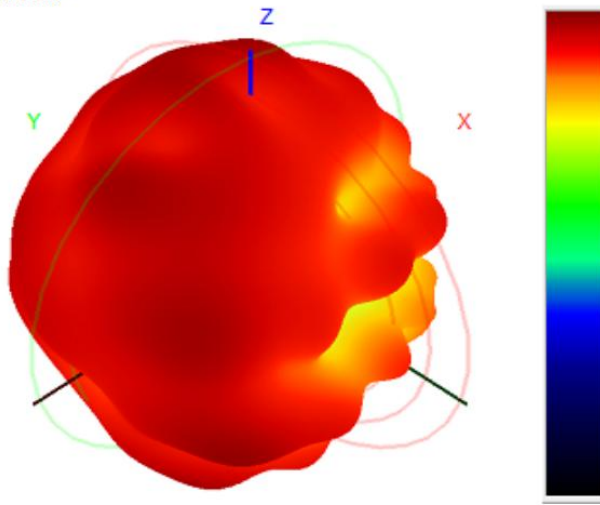


Total(H-XY), Max= 1.99dBi, CirD=12.81

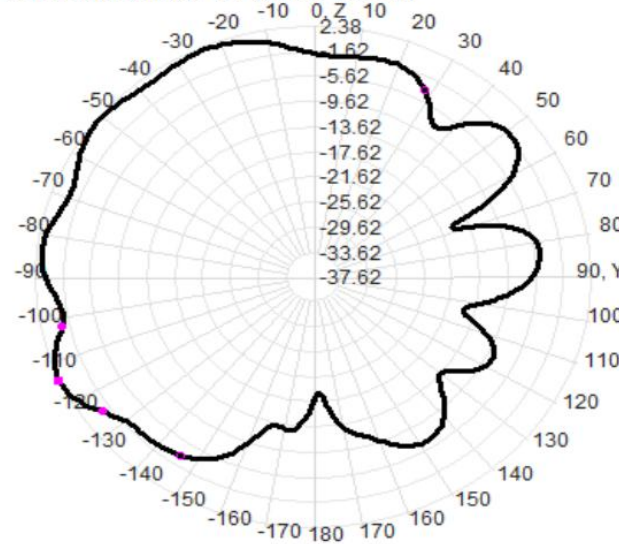


(3) 2500MHz

Back View



2500.0MHz Total(E2-YZ), Max= 2.38dBi



Total(H-XY), Max= 1.90dBi, CirD=12.97

