

SPECIFICATION FOR APPROVAL

CUST OMER: Shenzhen Ai-Thinker Technology Co., LtdCUS PART NO: Ai-WB2-01MPART NAME: 2.4G WLAN AntennaEdition: 1.0

Editor	Yuan Nannan	2022/07/01
Verifier	Guan Ning	2022/07/01
Approver	Xu Fuqiang	2022/07/01

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

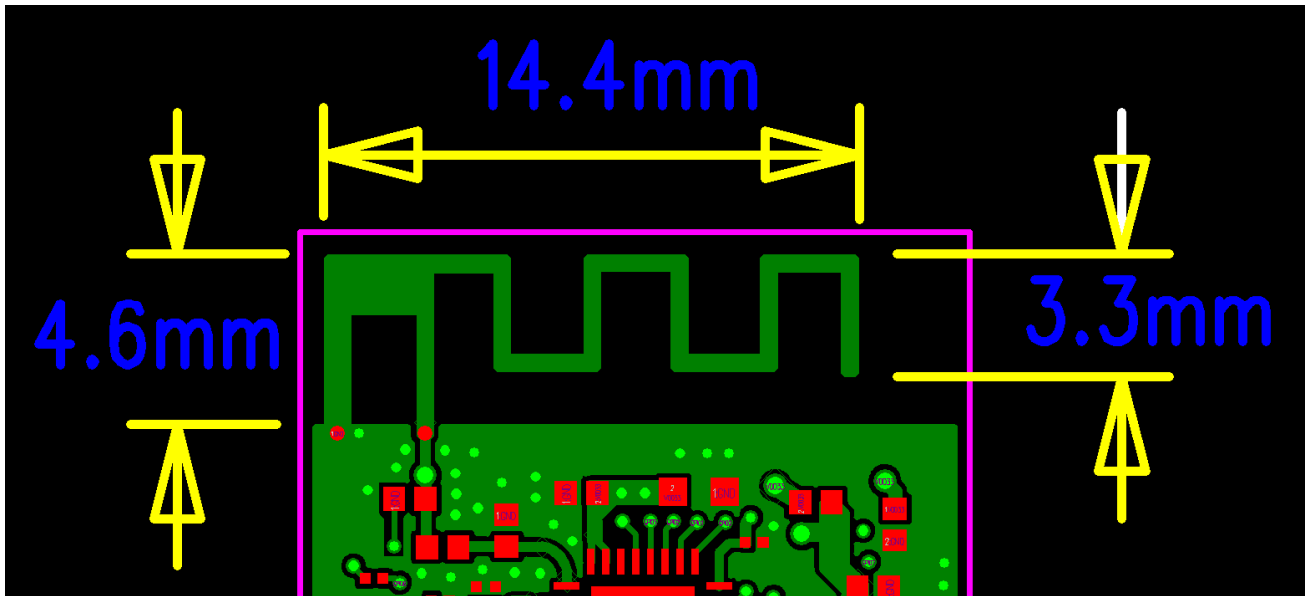
Address: 3-4/F, Building A, Dongfang Industrial Park, Nanlang Town,
Zhongshan City, Guangdong Province, China

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Product specification

1. Antenna Dimension

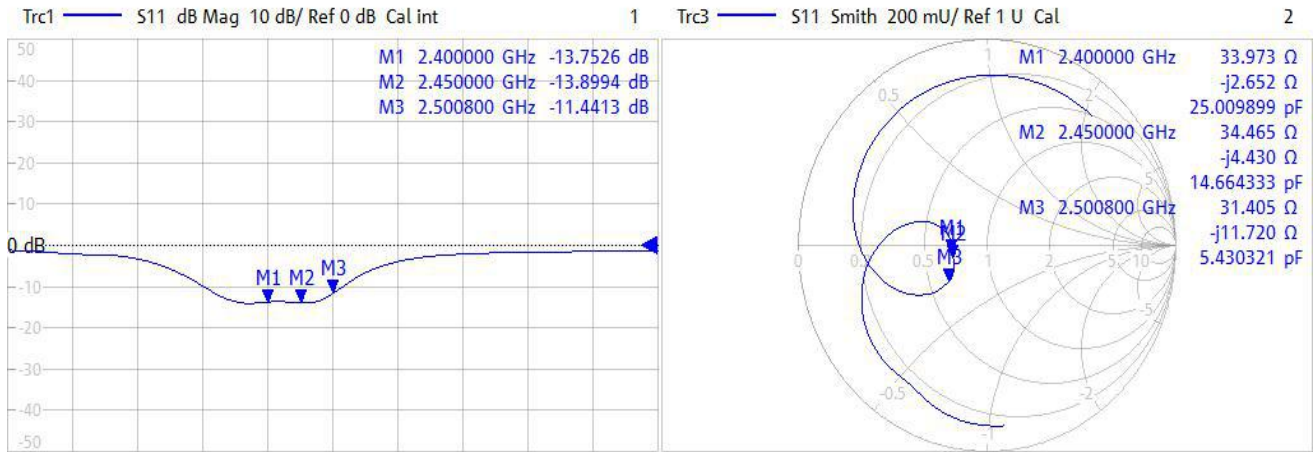


2. Performance parameter

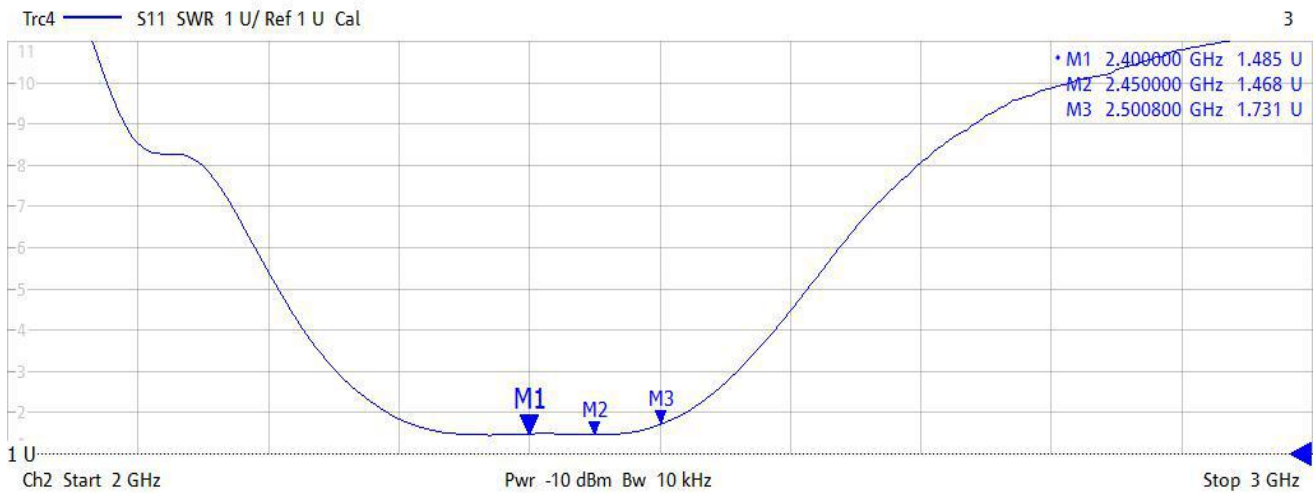
Name	2.4G WLAN Antenna
Model Type	PCB Print Antenna
ELECTRICAL SPECTFICATIONS	
Frenquency Range	2400-2500MHz
Band Width	100MHz
Impedance	50 Ω
VSWR	< 2.0
Max Gain	4.56dBi
Polarization	Vertical/Horizontal
Radiation	Omnidirectional
Power	50 W

3. VSWR

6/22/2022 9:28:47 AM
1328.5170K92-102079-Qn



Ch1 Start 2 GHz Pwr -10 dBm Bw 10 kHz Stop 3 GHz Ch2 Start 2 GHz Pwr -10 dBm Bw 10 kHz Stop 3 GHz



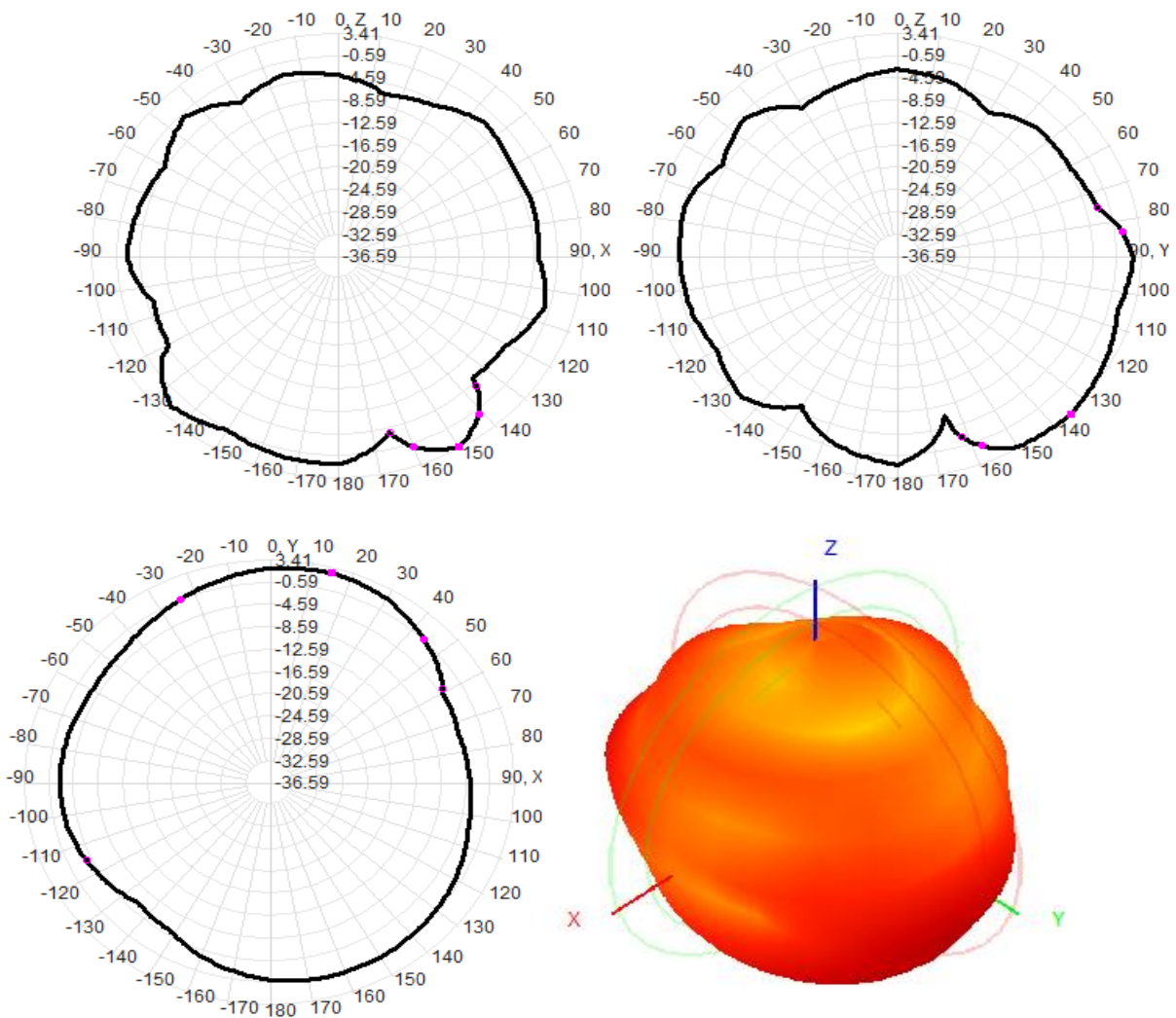
Ch2 Start 2 GHz Pwr -10 dBm Bw 10 kHz Stop 3 GHz

4. Passive test data:

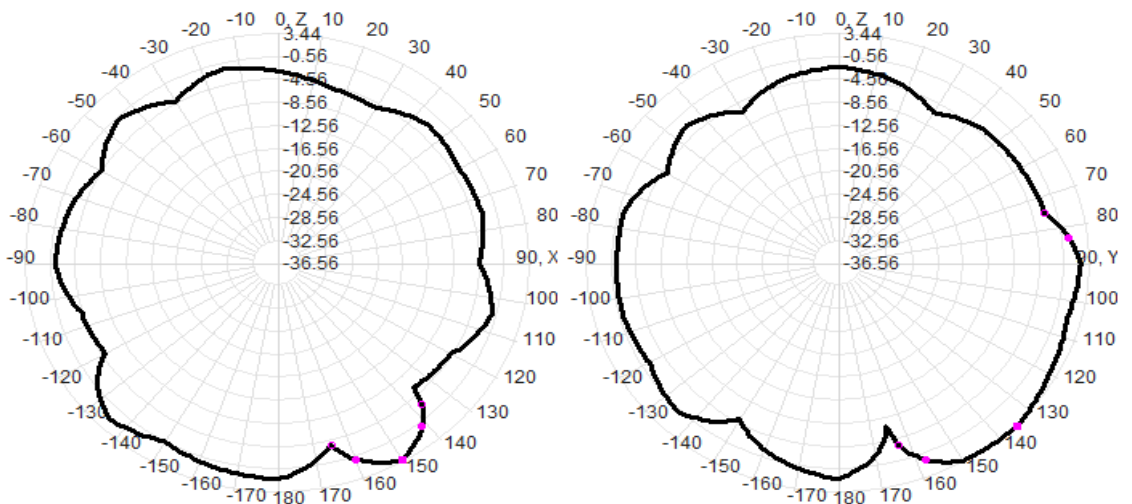
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	4.17	4.28	4.39	4.56	4.56	4.56	4.52	4.47	4.38	4.41	4.31
Efficiency (%)	65.67	65.58	65.33	66.80	66.57	67.38	65.78	64.89	63.70	64.32	62.16

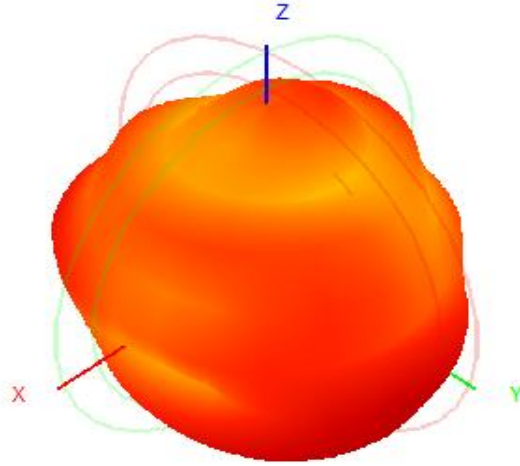
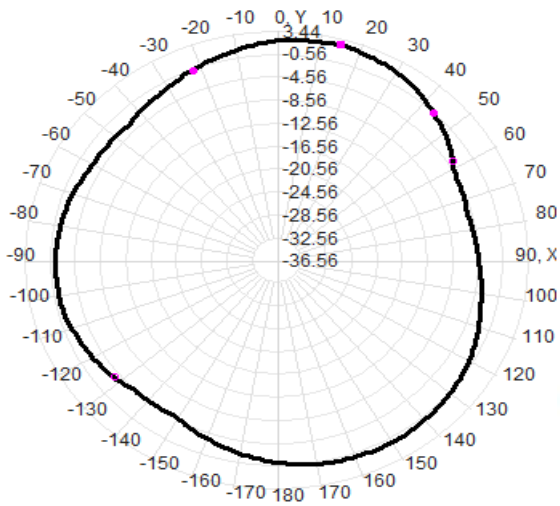
5. Radiation pattern

(1) 2400MHz



(2) 2450MHz





(3) 2500MHz

