

SPECIFICATION FOR APPROVAL

CUST OMER: Shenzhen Ai-Thinker Technology Co., LtdCUS PART NO: Ai-WB2-12FPART NAME: 2.4G WLAN AntennaEdition: 1.1

Editor	Yuan Nannan	2022/06/25
Verifier	Guan Ning	2022/06/25
Approver	Xu Fuqiang	2022/06/25

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

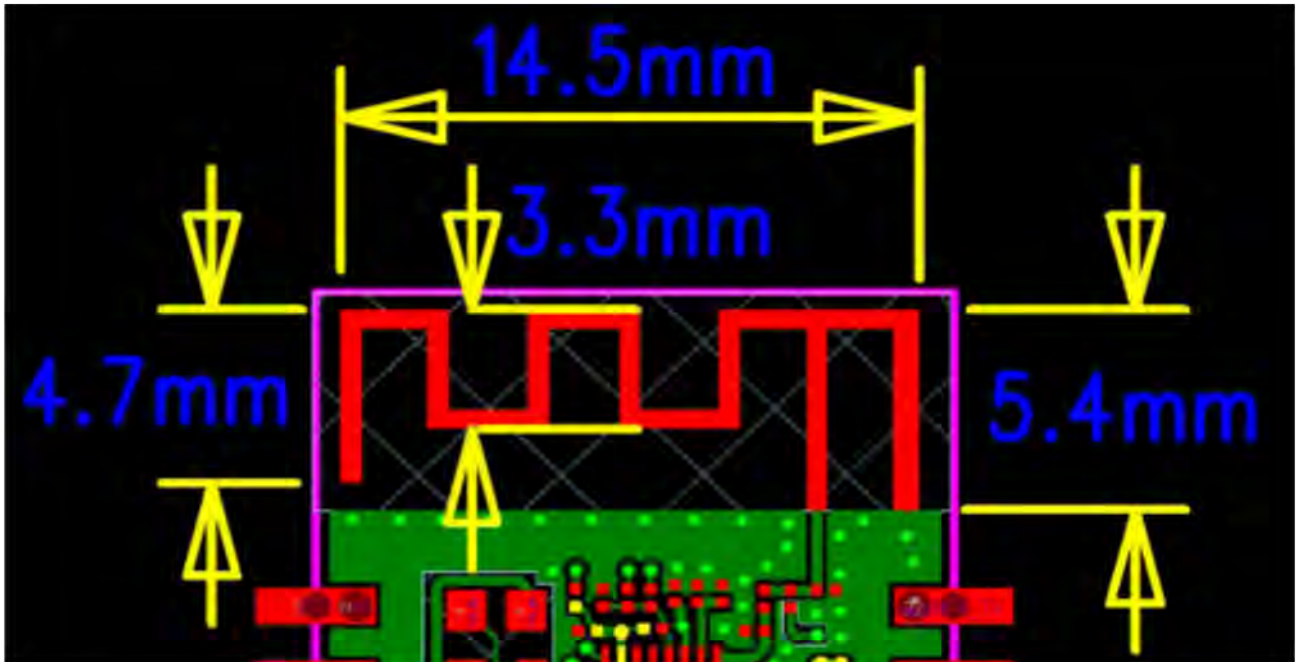
Address: 3-4/F, Building A, Dongfang Industrial Park, Nanlang Town,
Zhongshan City, Guangdong Province, China

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Product specification

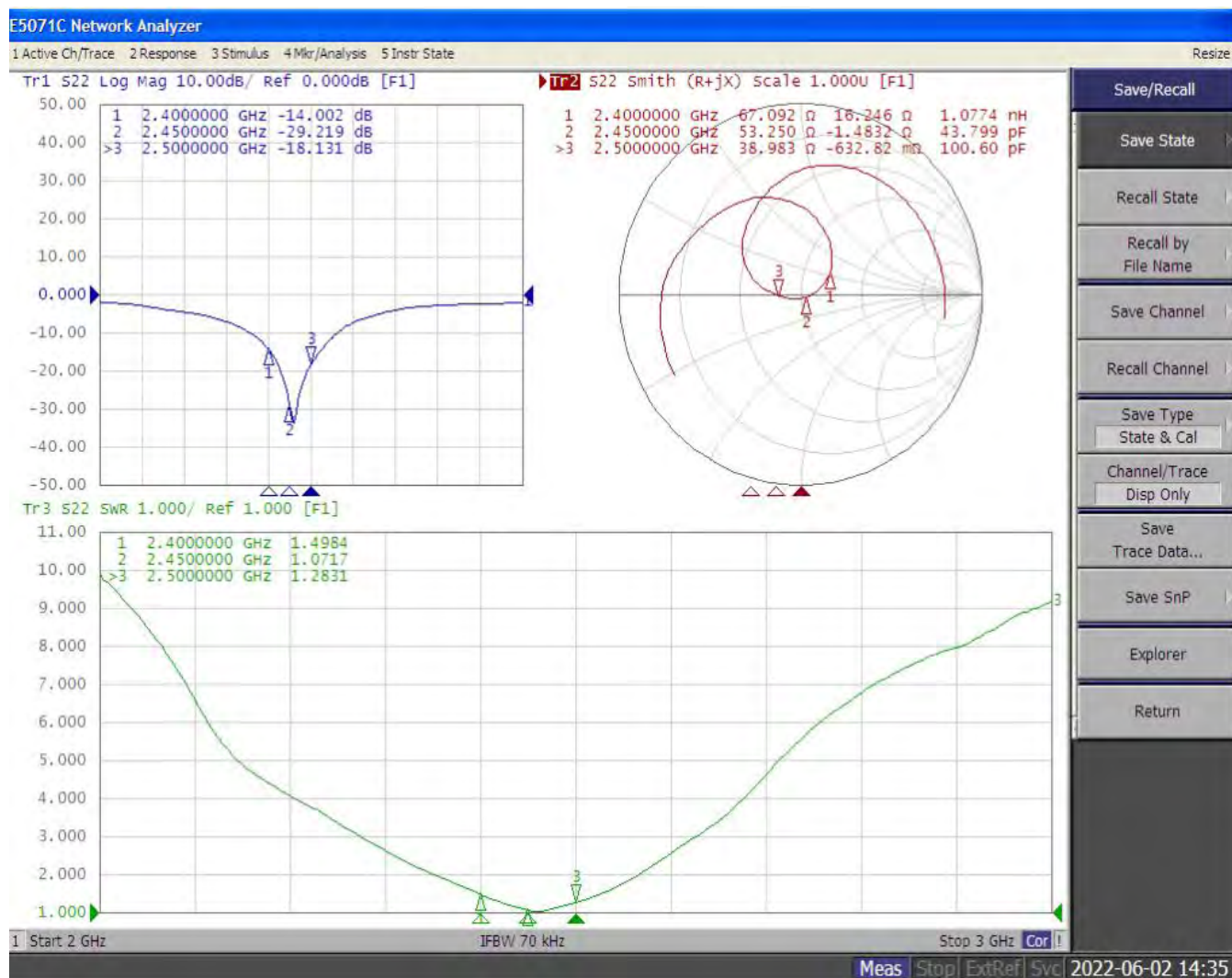
1. Antenna Dimension



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	1.8dBi
Polarization	Vertical/Horizontal
Radiation	Omnidirectional
Power	50 W

3. VSWR

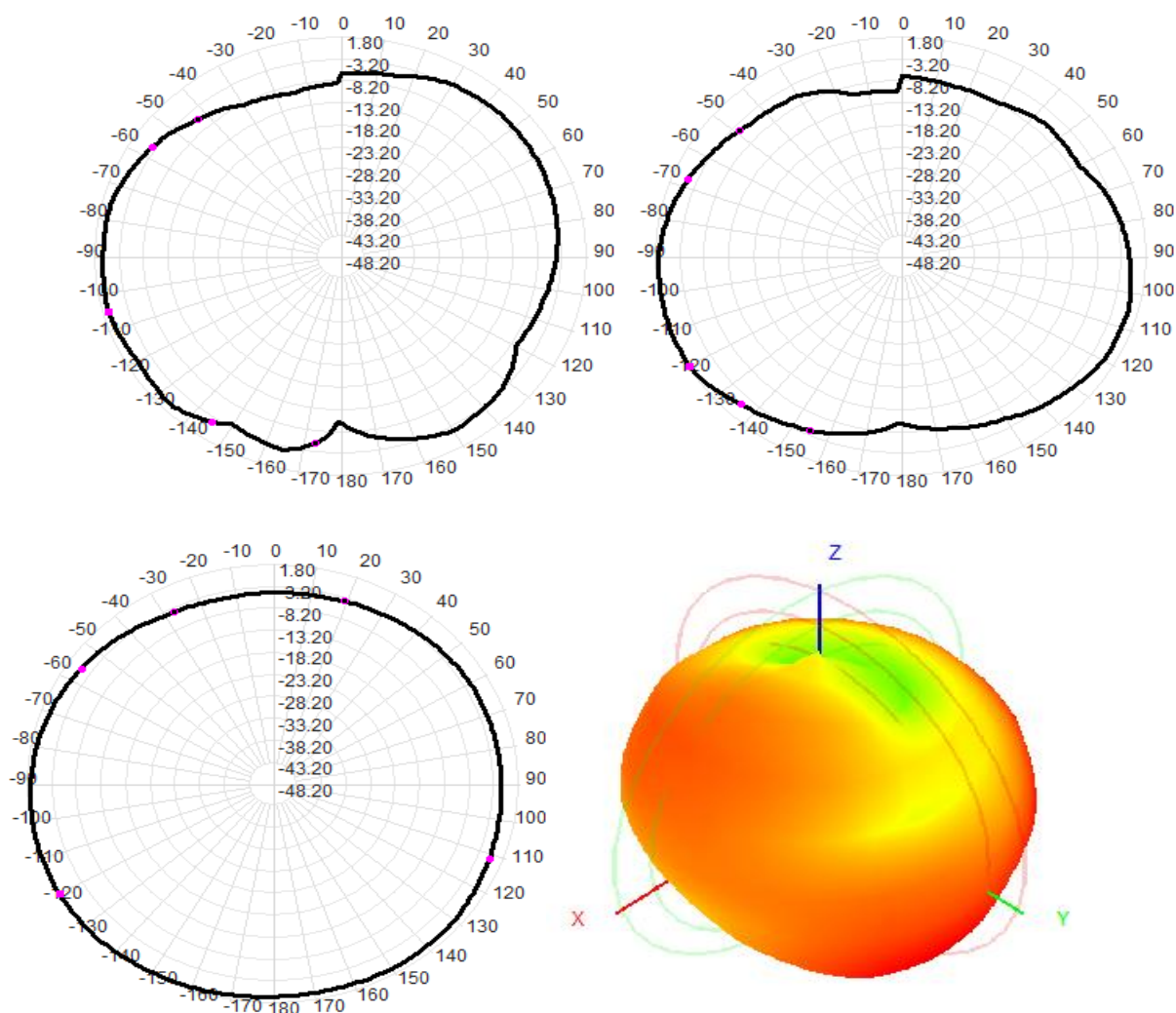


4. Passive test data:

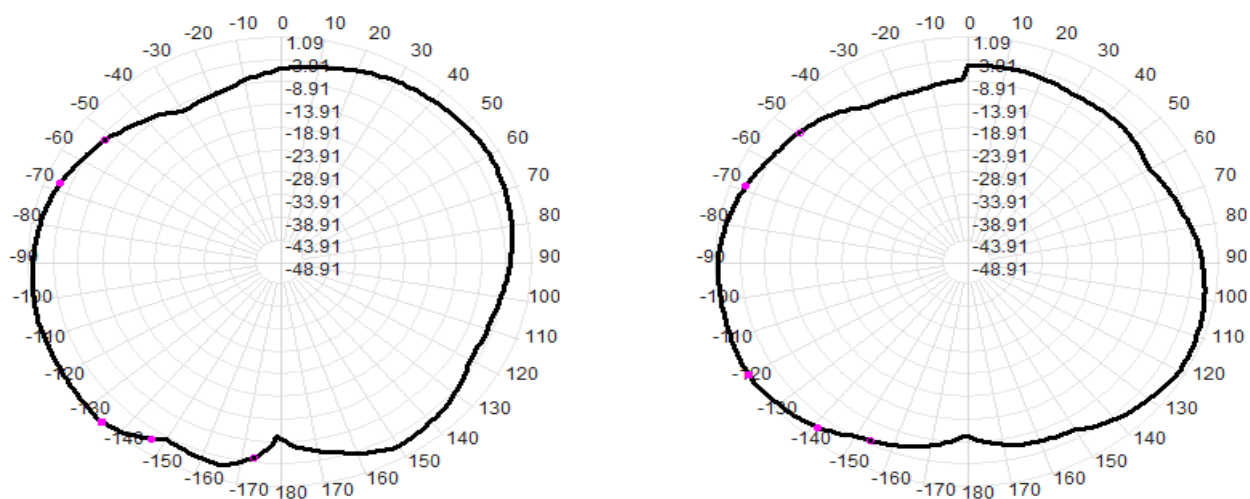
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	1.8	1.74	1.42	1.28	0.98	1.09	1.21	1.13	1.02	0.92	1.06
Efficiency (%)	61.00	62.04	60.03	62.22	58.96	64.17	63.83	62.07	60.04	54.27	52.93

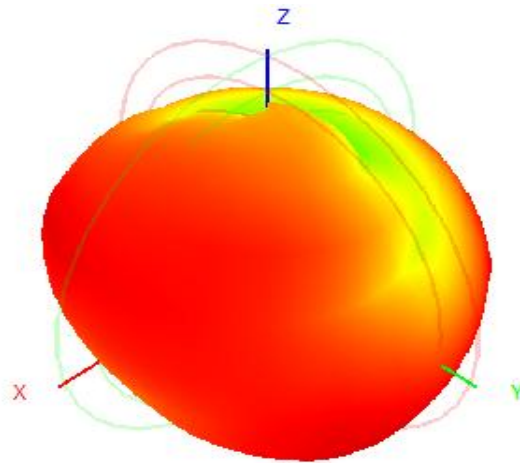
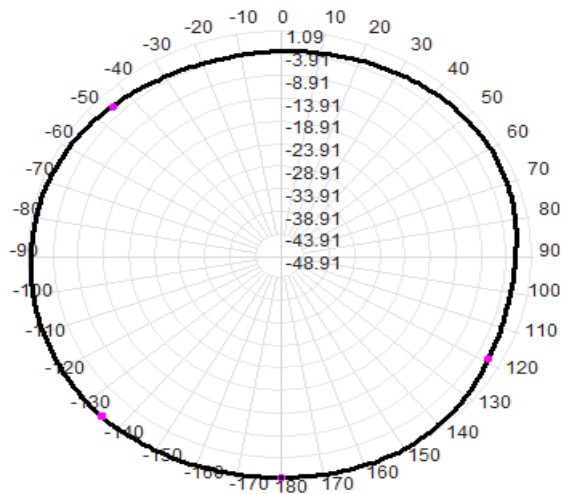
5. Radiation pattern

(1) 2400MHz



(2) 2450MHz





(3) 2500MHz

