

SPECIFICATION FOR APPROVAL

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

CUS PART NO: 22100013

PART NAME: 2.4G WLAN Antenna

Edition: A3

Editor	Qiu Cuiping	2025/1/9
Verifier	Guan Ning	2025/1/9
Approver	Xu Fuqiang	2025/1/9



SHENZHEN B&T TECHNOLOGY Co., Ltd

ZHONGSHAN B&T TECHNOLOGY Co., Ltd

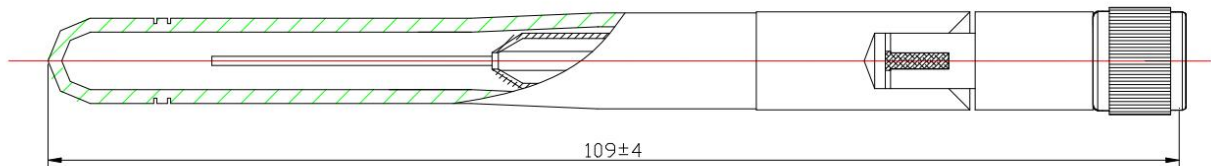
Address: 3-4/F, Building A, Dongfang Industrial Park, Nanlang Town,
Zhongshan City, Guangdong Province, China

Directory

Product specification	- 3 -
1. Antenna Dimension	- 3 -
2. Performance parameter	- 3 -
3. VSWR	- 4 -
4. Passive test data	- 4 -
5. Radiation pattern	- 5 -

Product specification

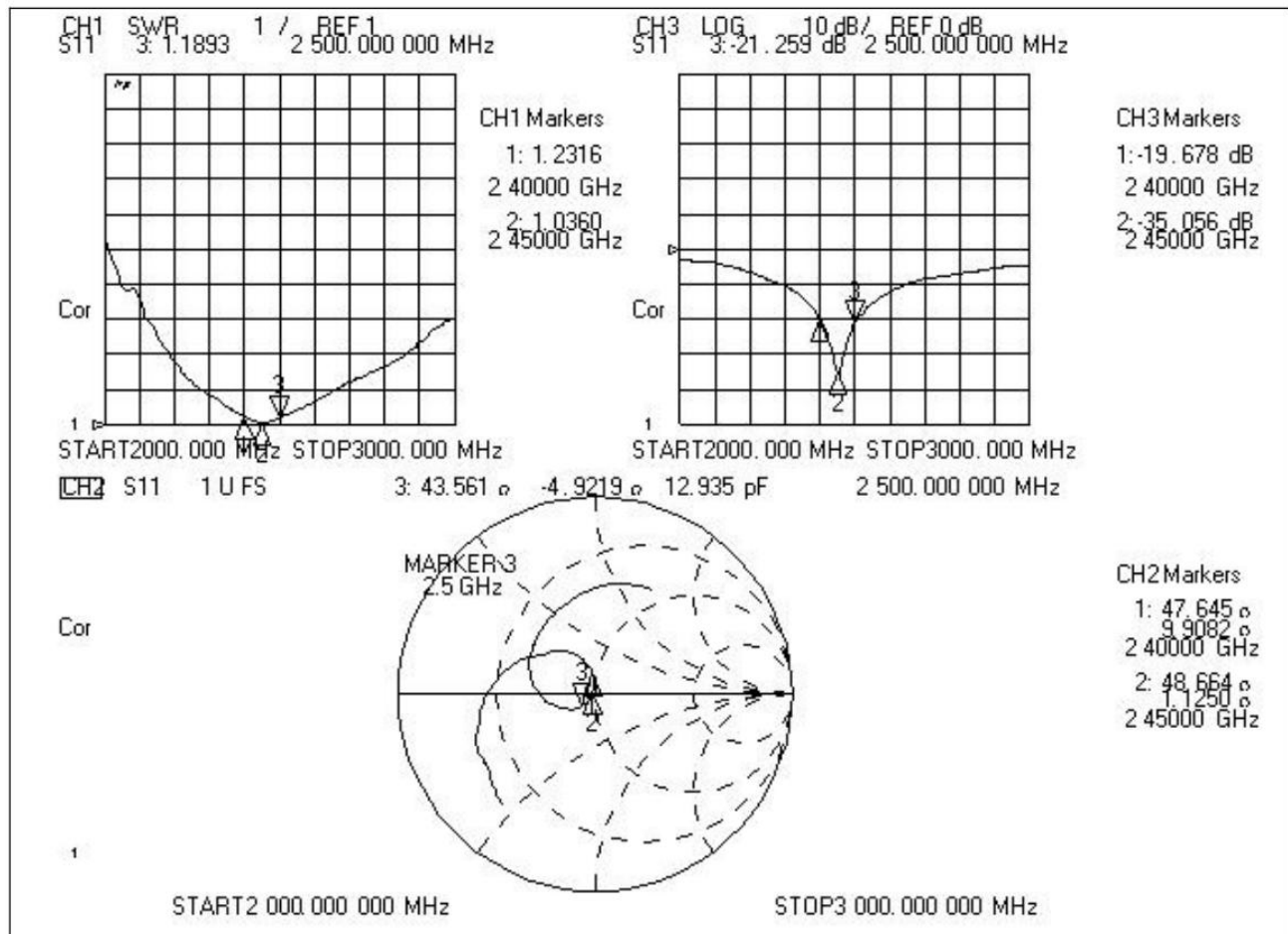
1. Antenna Dimension



2. Performance parameter

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

3. VSWR

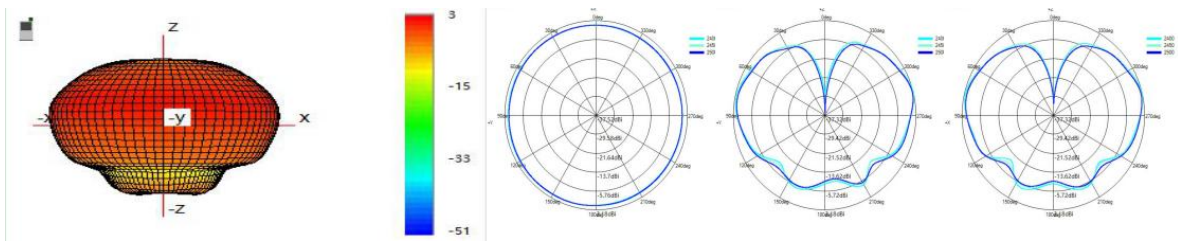


4. Passive test data

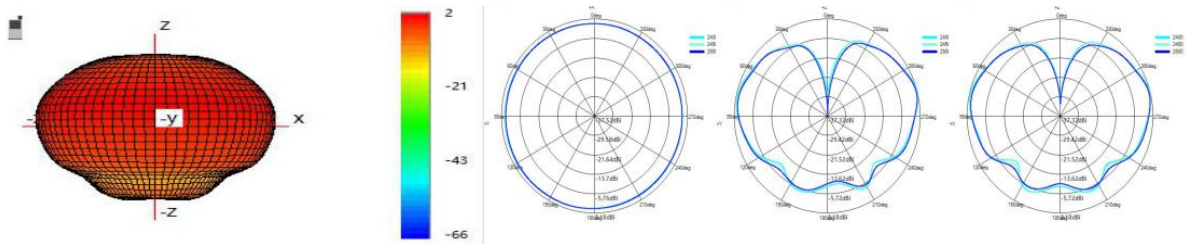
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	1.79	1.84	2.00	1.88	1.70	1.62	1.58	1.45	1.48	1.47	1.42
Efficiency (%)	66.76	67.14	71.08	68.60	67.80	65.89	64.92	64.55	62.83	59.53	59.30

5. Radiation pattern

2400MHz



2450MHz



2500MHz

