

SPECIFICATION FOR APPROVAL

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

CUS PART NO: PB-03F

PART NAME: 2.4G Antenna

Edition: 1.0

Editor	Yuan Nannan	2021/12/13
Verifier	Guan Ning	2021/12/13
Approver	Xu Fuqiang	2021/12/13



SHENZHEN B&T TECHNOLOGY Co., Ltd

ZHONGSHAN B&T TECHNOLOGY Co., Ltd

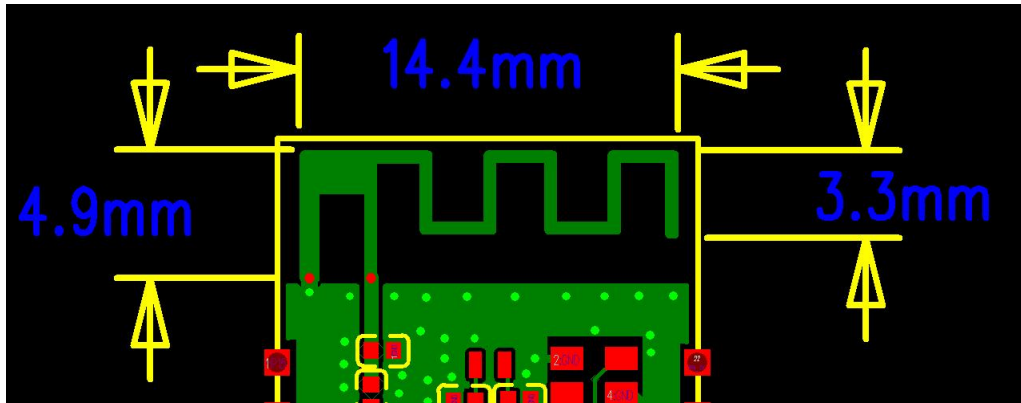
Address: 3-4/F, Building A, Dongfang Industrial Park, Nanlang Town,
Zhongshan City, Guangdong Province, China

Directory

1、 Antenna Dimension	- 3 -
2、 Performance parameter	- 3 -
3、 VSWR	- 4 -
4、 Passive test data:	- 4 -
5、 Radiation pattern	- 5 -

Product specification

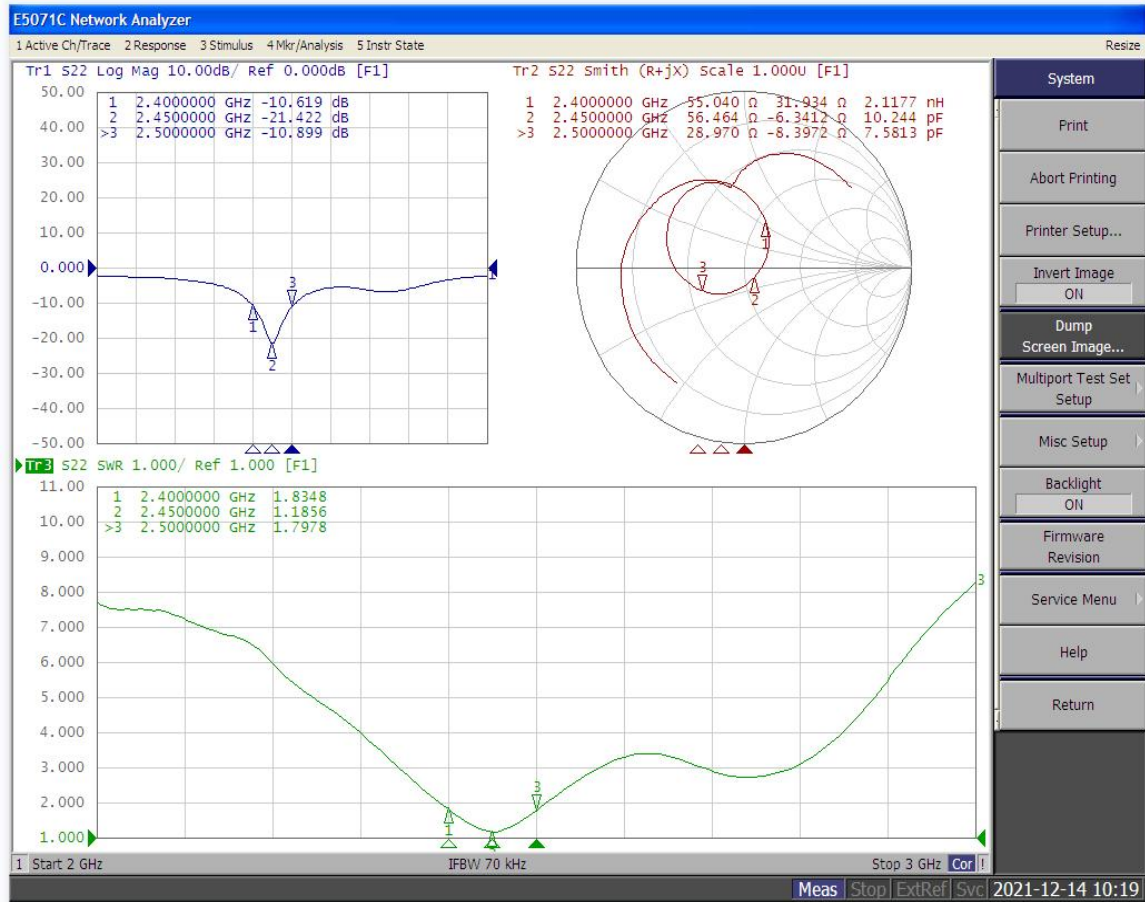
1、 Antenna Dimension



2、 Performance parameter

Name	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	3.14dBi
Polarization	Vertical/Horizontal
Radiation	Omnidirectional
Power	50 W
MECHANICAL SPECTFICATIONS	
Connector	Welding type
Working Temperature	-40°C - + 85°C
Limit Temperature	-40°C - + 125°C

3、VSWR

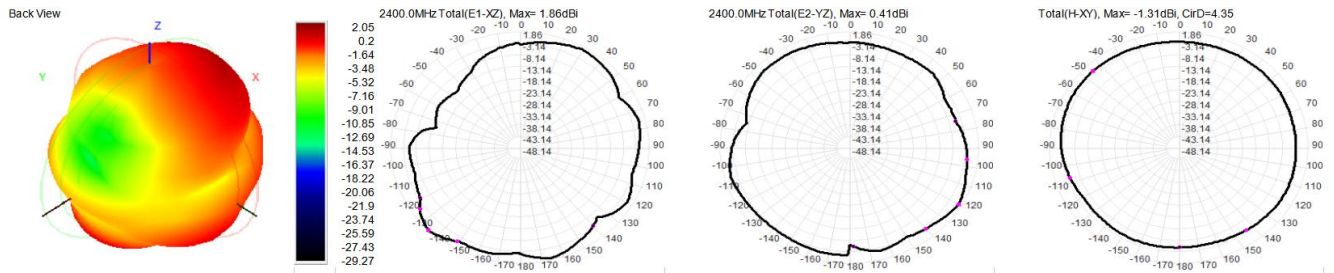


4、Passive test data:

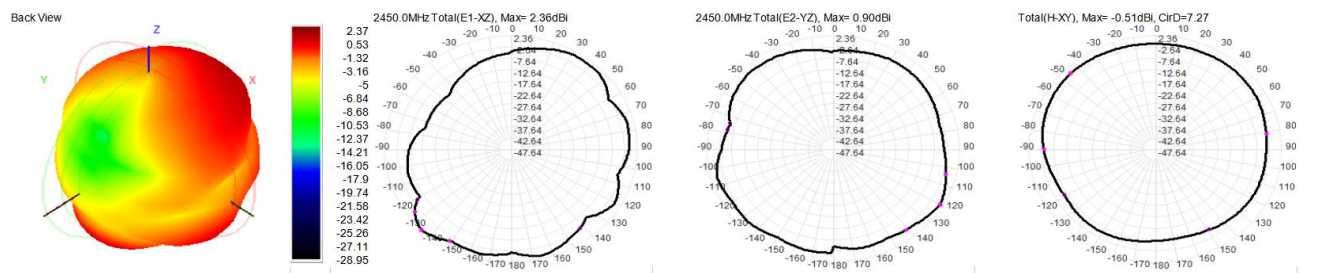
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	2.05	2.21	2.26	2.17	2.08	2.37	2.67	3.02	3.08	3.14	2.77
Efficiency (%)	52.58	53.68	54.92	55.32	54.65	56.88	57.60	59.90	60.22	63.27	61.46

5、Radiation pattern

2400MHz



2450MHz



2500MHz

