

SPECIFICATION FOR APPROVAL

CUST OMER: Shenzhen Ai-Thinker Technology Co., LtdCUS PART NO: Ai-WB2-12SPART NAME: 2.4G WLAN AntennaEdition: 1.0

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Directory

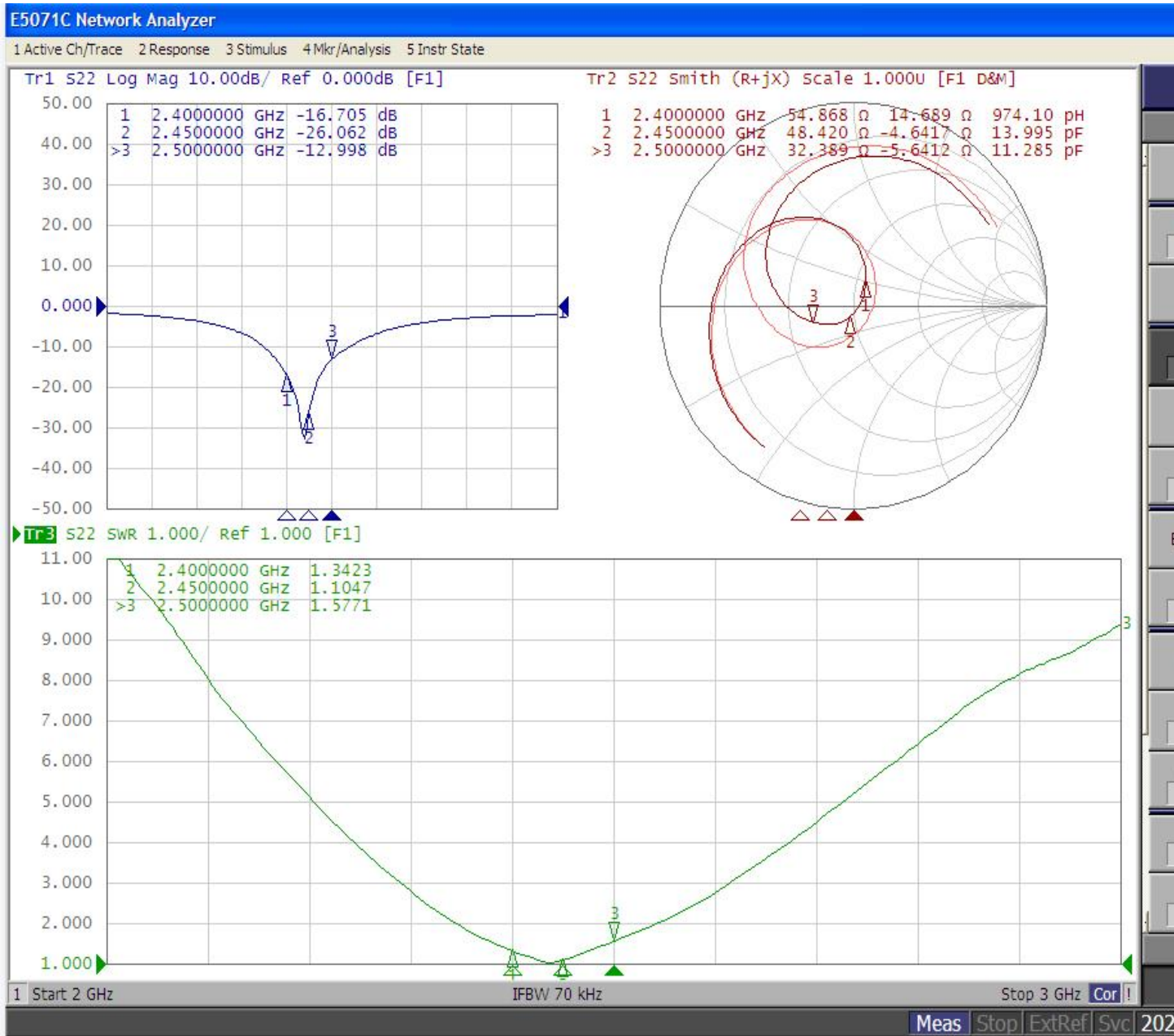
1、Performance parameter	3
2、VSWR	4
3、Passive test data.....	4
4、Radiation pattern	5

Product specification

1、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	1.89dBi
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

2、VSWR

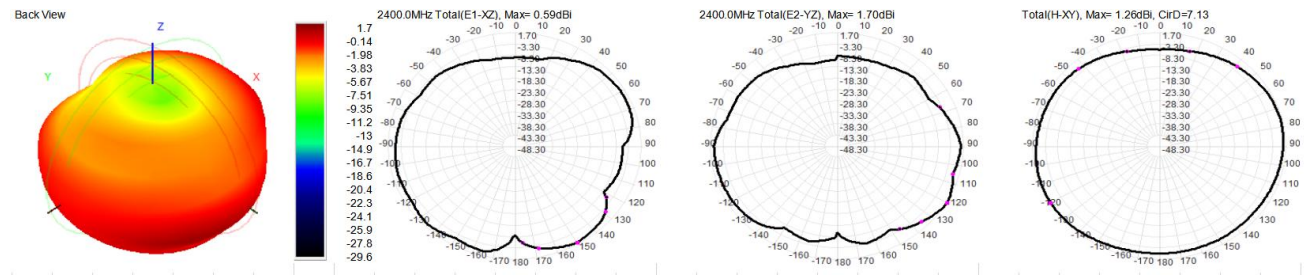


3、Passive test data:

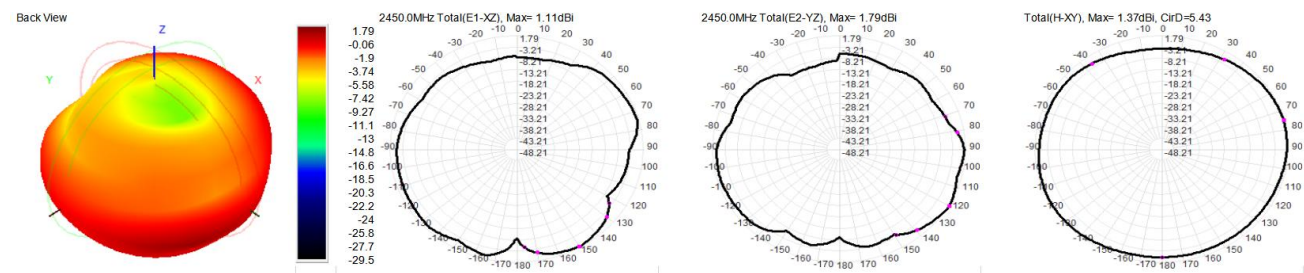
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	1.70	1.61	1.34	1.50	1.30	1.79	1.89	1.86	1.86	1.69	1.80
Efficiency (%)	64.15	64.43	62.25	64.95	62.37	69.65	71.01	70.63	69.56	65.66	65.10

4、Radiation pattern

2400MHz



2450MHz



2500MHz

