

CUSTOMER NAME	Shenzhen Aoni Electronic Co.,Ltd
CUSTOMER P/N	B100JL
PART NAME	Bluetooth Antenna
DWM NO.	
APPROVAL REV.	R:A

CONTRACTOR			DATE : 2023-06-05
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

CUSTOMER		DATE :
Approved By	Checked By	Prepared By

JINGCHAO	ProductSpecification		
	P/N:	Rev.: A	Page:

Content

Content	2
1. Product Application.....	3
2. The test environment, equipment	3
3. Technology Parameters	

JINGCHAO	Product Specification		
	P/N:	Rev.: A	Page:

1. Product Application

Terminal of the antenna products can only be used for Bluetooth antenna.

2. The test environment, equipment

Item	Description	Test Condition	Requirement
2.1	Passive testing	The VSWR measurement devices are connected in sequence: Agilent 5071B Network Analyzer → measurement Cable → Customer-providing Devices.	VSWR: 2400-2500MHz ≤ 2
		Test equipment	
			

Item	Description	Test Condition
2.2	Active test	The antenna is tested within the cell mainboard provided by clients. Follow picture shows the measurement condition of the antenna been put on the measurement device, which is used for all measurement of electric performances.
2.3	Microwave Anechoic chamber (Satimo&ETS)	Test equipment

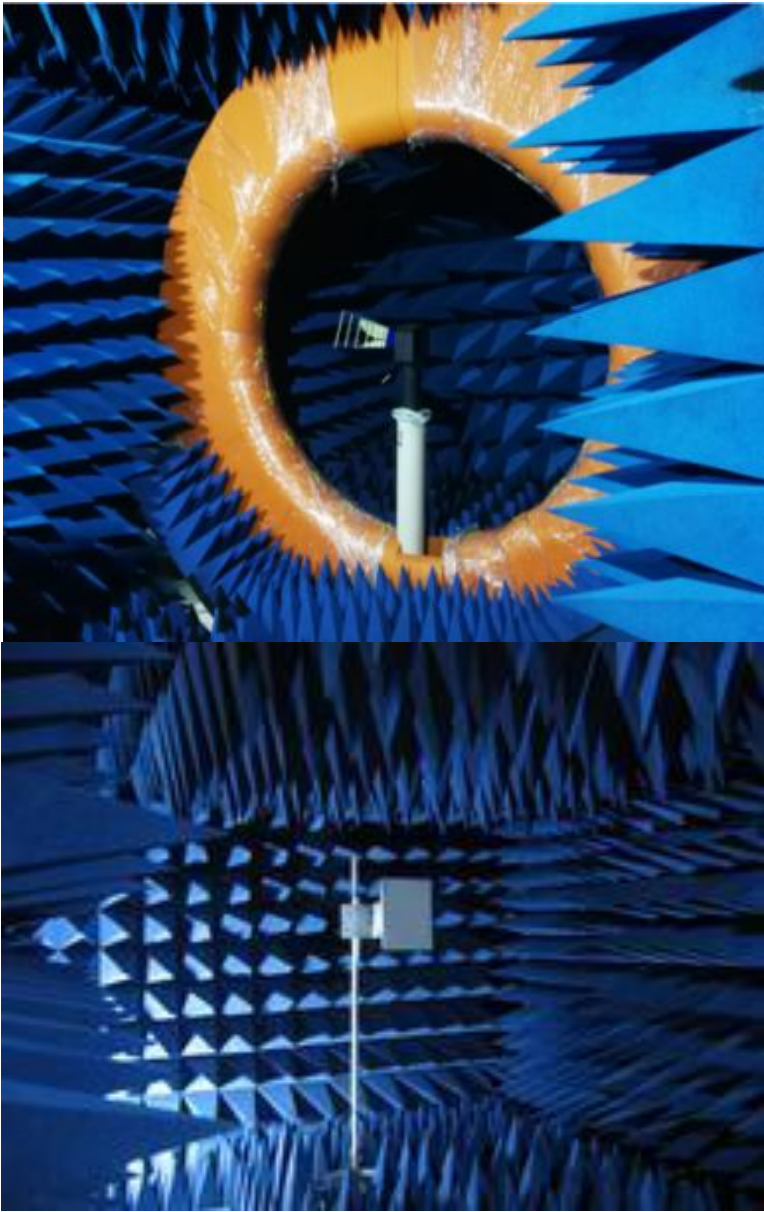
ProductSpecification

JINGCHAO

P/N:

Rev.:
A

Page:



JINGCHAO		ProductSpecification	
		P/N:	Rev.: A
		Page:	

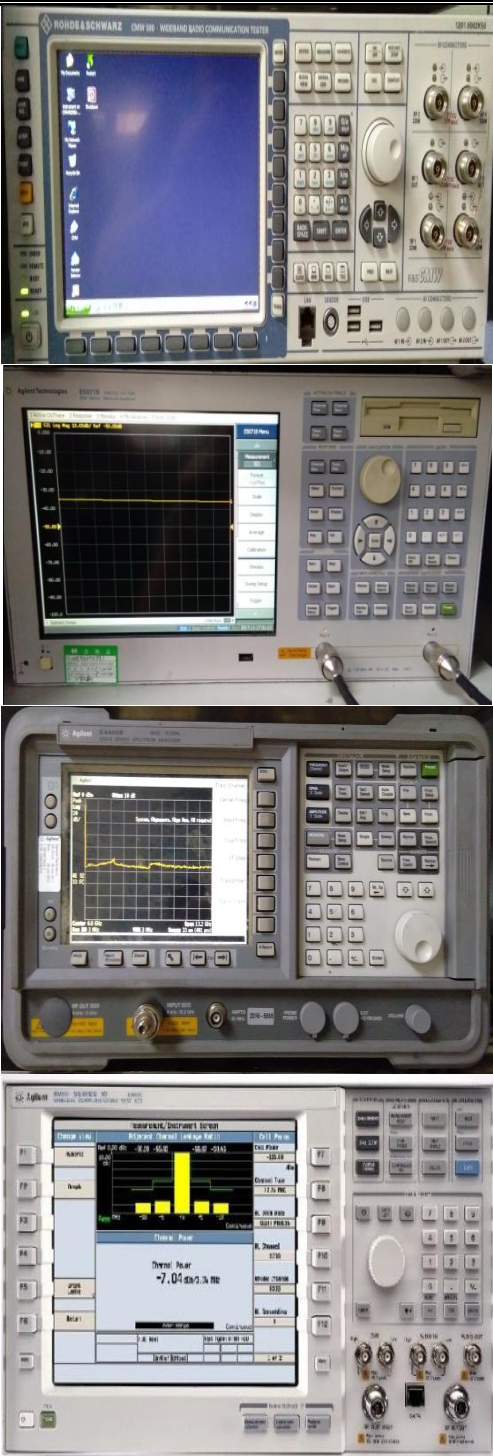
2.4

CMW500

Agilent5071B

AgilentE4405B

Agilent8960



Product Specification

JINGCHAO

P/N:

Rev.:

Page:

A

3. Technology Parameters

Product Photo :



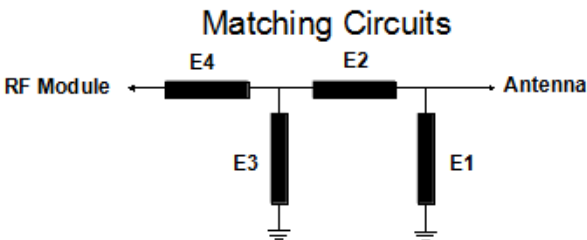
Frequency Range: 2400MHz-2500MHz
Operating Humidity: 85%R.H.MAX
Temperature Rating: -40℃~+85℃

Manufacturer: JIANG XI JINGCHAO TECHNOLOGY CO.,LTD.

Testing institution: SHENZHEN AONI ELECTRONIC CO.,LTD

3.1 The matching test value

Element	Value
E1(0402)	3.3nH
E2(0402)	2.2nH
E3(0402)	NC
E4(0402)	0Ω



3.2 VSWR:

Product Specification

JINGCHAO

P/N:

Rev.:

Page:

A

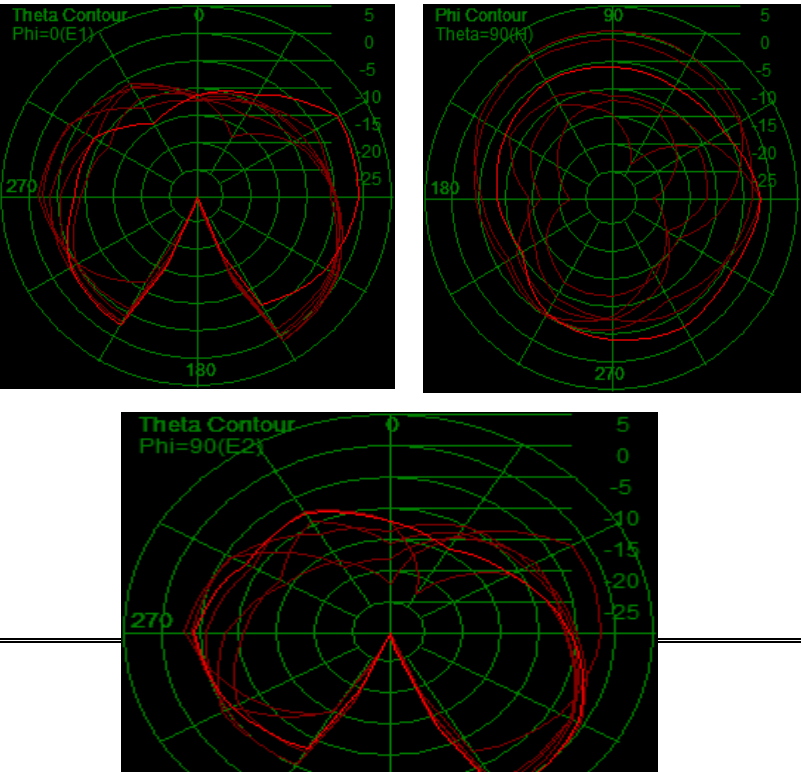


3.3 Efficiency And Gain:

Fre	Effi	Gain.dB
2400	48.42%	2.07
2410	48.43%	2.09
2420	48.84%	2.16
2430	48.18%	2.06
2440	48.31%	2.17
2450	48.19%	2.18
2460	47.59%	2.12
2470	47.92%	2.15
2480	48.04%	2.19

3.4 2D and 3D field patterns:

2D:



ProductSpecification

JINGCHAO

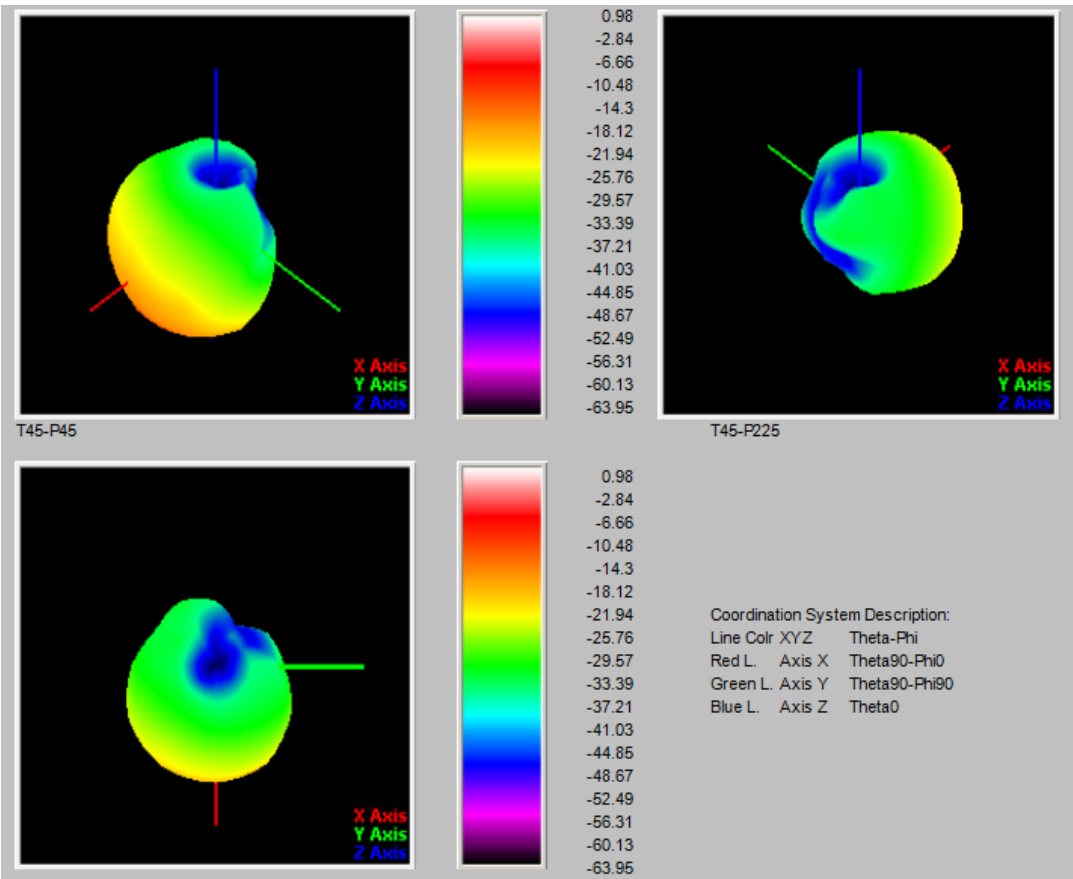
P/N:

Rev.:

Page:

A

3D:



JINGCHAO	ProductSpecification		
	P/N:	Rev.: A	Page: