

Antenna SPEC

CUSTOMER P/N	B099JL_ANT
PART NAME	Bluetooth Antenna
DWM NO.	
APPROVAL REV.	R:A

Product Specification

P/N:

Rev.:

Page:

A

Content

Content2

1. Product Application3

2. The test environment, equipment3

3. Technology Parameters

Product Specification

P/N:

Rev.:

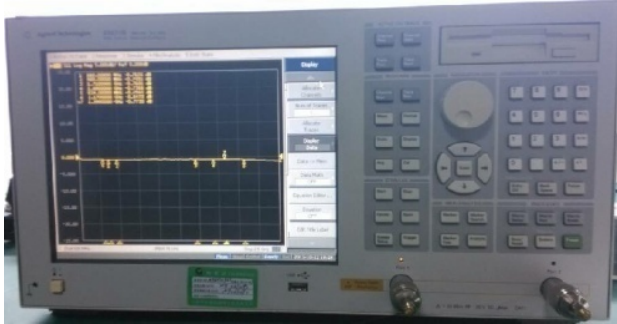
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Page:

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	Passivetesting	The VSWR measurement devices are connected in sequence: Agilent5071B Network Analyzer →measurementCable → Customer-providing Devices.	VSWR: 2400-2500MHz $\leq$ 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	

Product Specification

P/N:

Rev.:

Page:

A

)



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

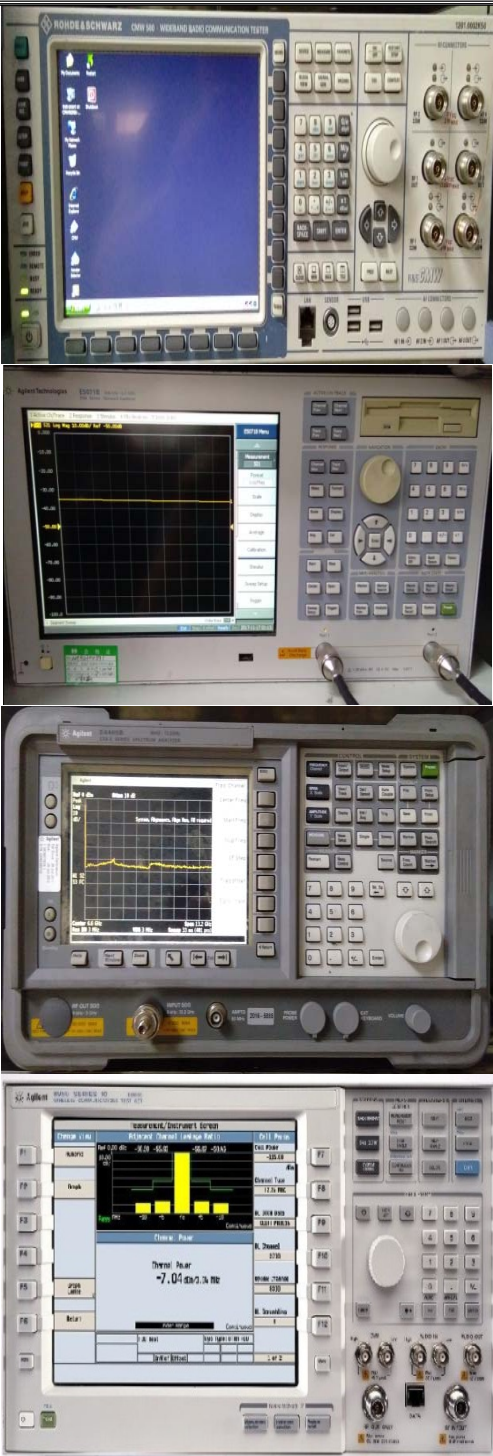
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CMW500

Agilent5071B

AgilentE4405B

Agilent8960



Product Specification

P/N:

Rev.:

Page:

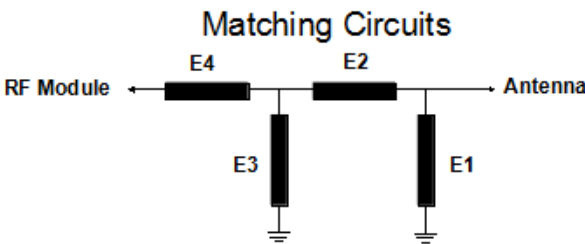
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3.Technology Parameters

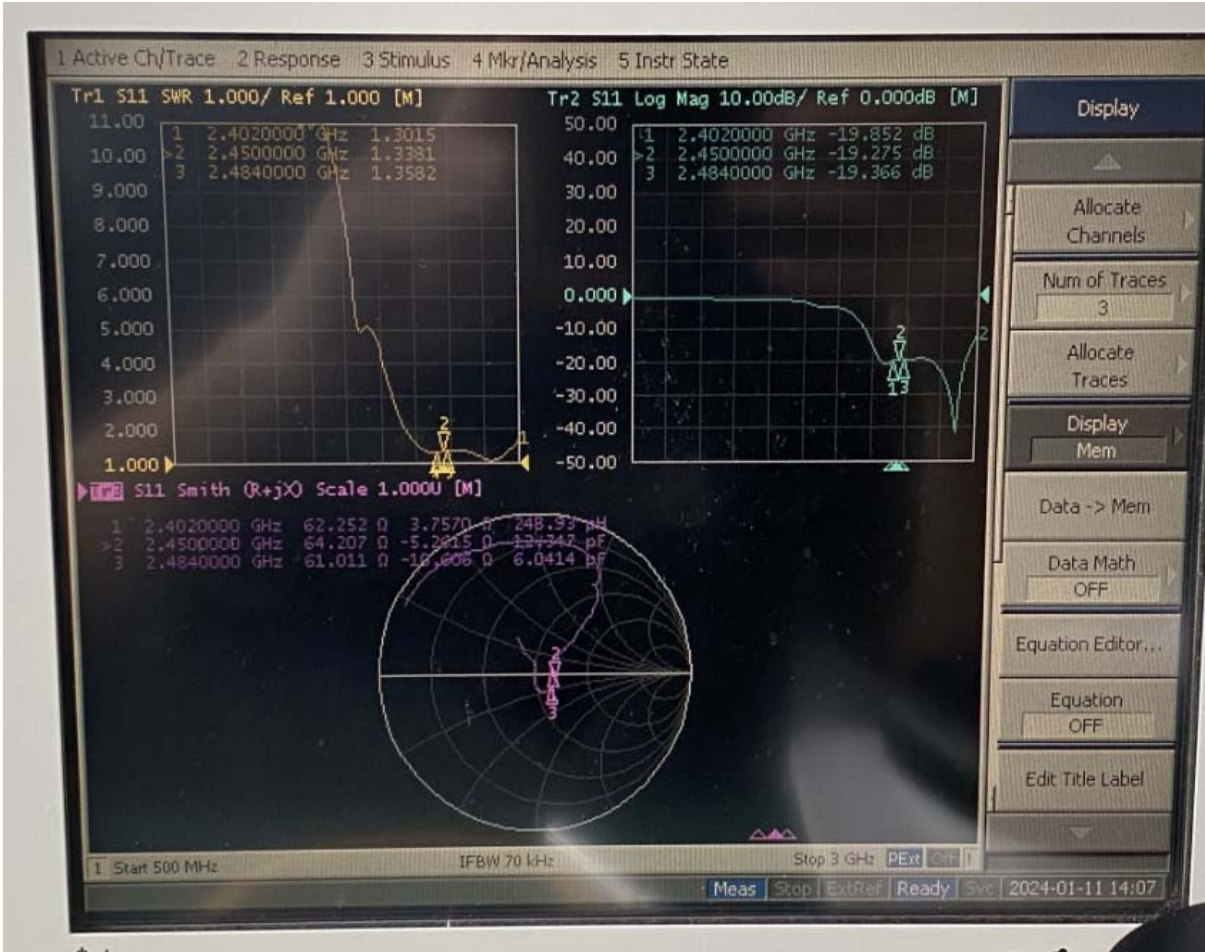
Frequency Range: 2400MHz-2500MHz
Operating Humidity: 85%R.H.MAX
Temperature Rating: -40℃~+85℃

3.1 The matching test value

Element	Value
E1(0402)	2.7nH
E2(0402)	0Ω
E3(0402)	N/A
E4(0402)	0Ω



3.2 VSWR:



Product Specification

P/N:

Rev.:

Page:

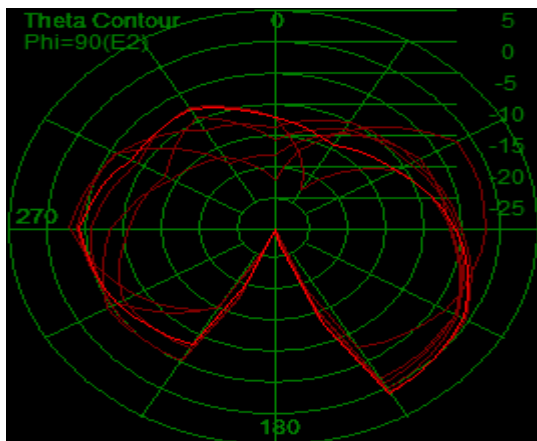
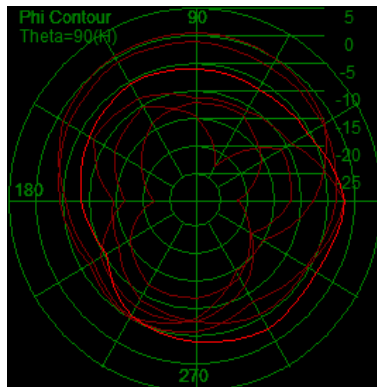
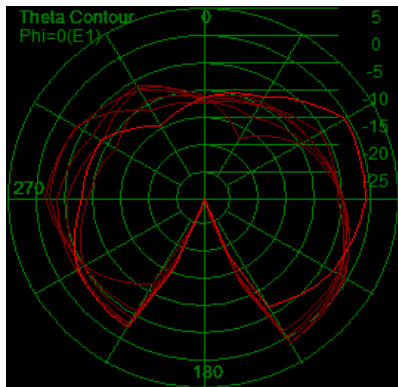
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3.3 Efficiency And Gain:

Fre	Effi	Gain.dB
2400	46. 7%	0. 70
2410	46. 9%	0. 83
2420	45. 2%	0. 86
2430	47. 0%	0. 93
2440	46. 6%	1. 00
2450	49. 3%	1. 06
2460	50. 1%	1. 41
2470	48. 8%	1. 29
2480	46. 0%	1. 65
2490	45. 0%	1. 85
2500	43. 8%	1. 46

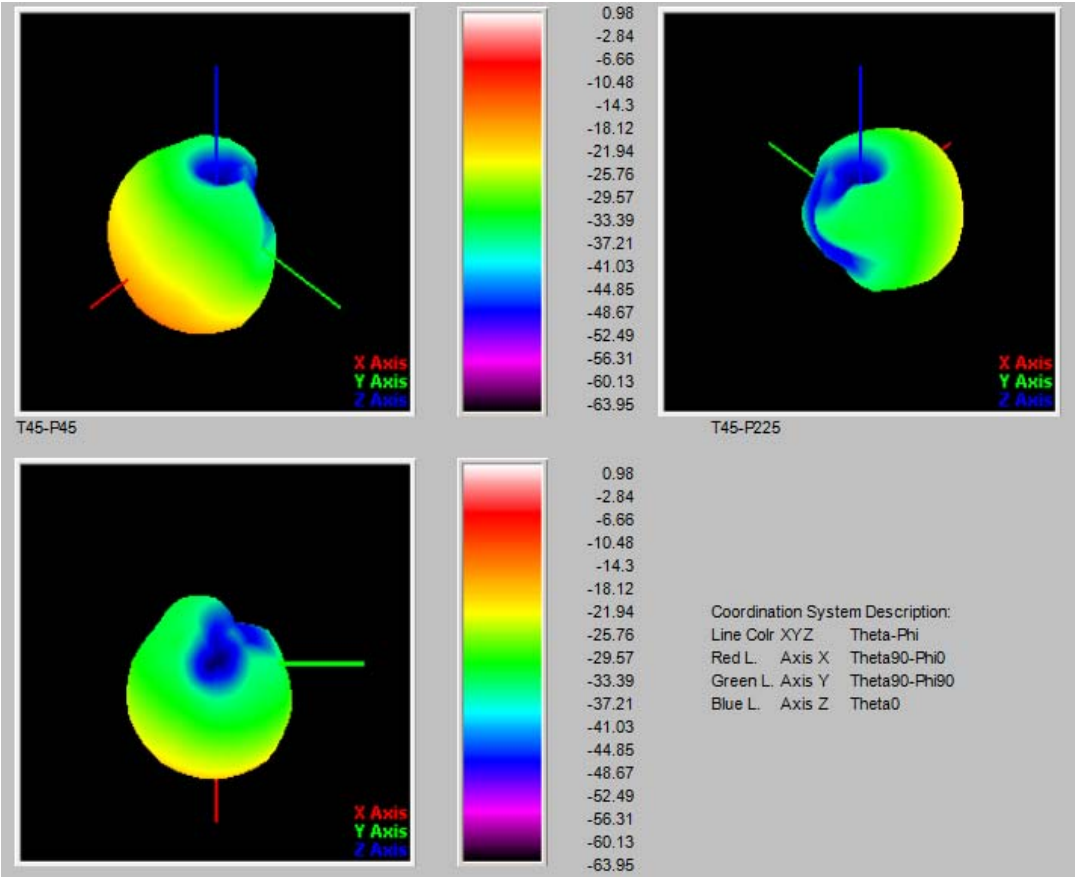
3.4 2D and 3D field patterns:

2D:



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

3D:



3.5 Antenna manufacturer and address:

Antenna manufacturer: ShenZhen JetFGo Electronics Co., Ltd.

Address: Building 18, Xinhe Xinxing Industrial Park, Fuhai Street, Baoan District, Shenzhen.