深圳市智遠互聯科技有限公司

APPROVAL SHEET

Cust. Name: ShenZhen ZRONE Link Technology Co.,Ltd

Manufacturer: ShenZhen ZRONE Link Technology Co.,Ltd

Part Name: WIFI ANTENNA

Part NO: WF03A.C113.100B.321

Part Desc.: FPC black, 1.13 wire diameter, wire length

100mm, wire stripping 321

Contents of approval
1、Cover of approval 2、Specifications

Supplier company confirmation signature(Our Approval)：

Approval By:	Checked By:	Desiger By:

Zhiyuan Internet Company confirms the signature(Approval By Customer):

Purchase :	Engineering/R&D:

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Loucun, Xinhu, Guangming, Shenzhen, China

●Specifications Overview

Electrical properties	
Frequency	2400MHZ-2500MHZ
Return loss	<-5
Efficiency	>60%
Maximum gain	2dbi
Impedance	50 ohm
Polarization	Linear polarization
Materials and mechanical properties	
Material	FPC
Wire type	Wire diameter 1. 13MM
Terminal type	1st generation terminal
Drawing size	See drawing for details
Silk screen printing method	Black background with white text
Environmental characteristics	
Storage temperature	- 30 ˚C ~ + 85 ˚C
FPC soldering temperature	280±5℃ Dipping time:10 seconds
RF line soldering temperature	320±5℃ 2-3seconds

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● Test equipment and conditions

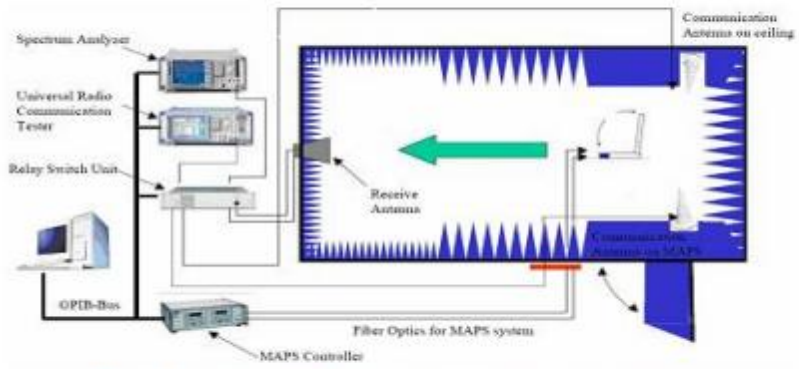
1. Network analyzer:

Agilent 8753D Agilent 5071B

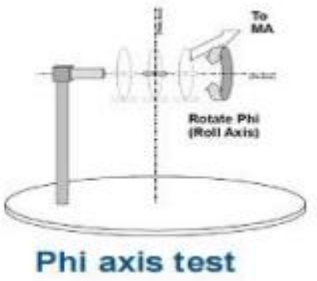
Communication test equipment:

Agilent E5515C R&S CMW500

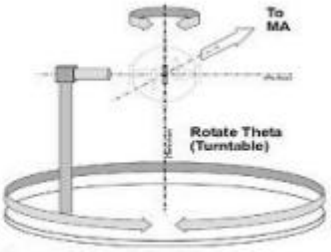
2. 3D test system



(Testing by 3D anechoic chamber)



Phi axis test



Theta axis test

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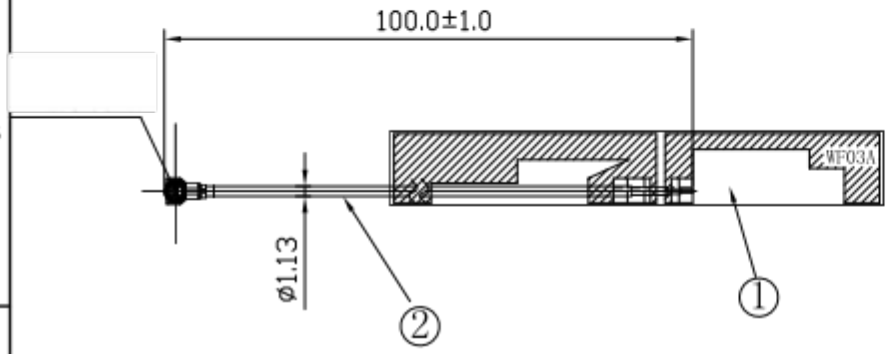
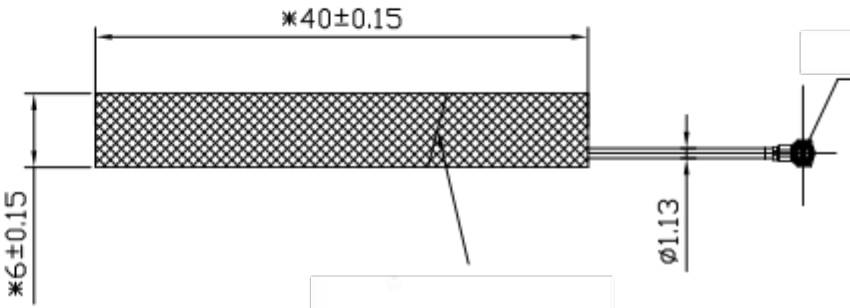
RoHS
Compliant
G P





Rev	Description	Date	Remark
A	New drawing		

Third Angle			
0～10	±0.05	○	0.02
10～18	±0.10	◎	⌀0.03
18～30	±0.12	⊥	0.02
30～40	±0.15	▱	0.04
40～	±0.20	Angle	±0.5°
Location			

Project		Date	2020-11-17
Part Name	WIFI	Designed by	
Part No.	WF03A.C113.100B.1	Checked by	MD
Material			RF
DWG No.		Approved by	
		Unit mm	Scale 1:1 Rev A

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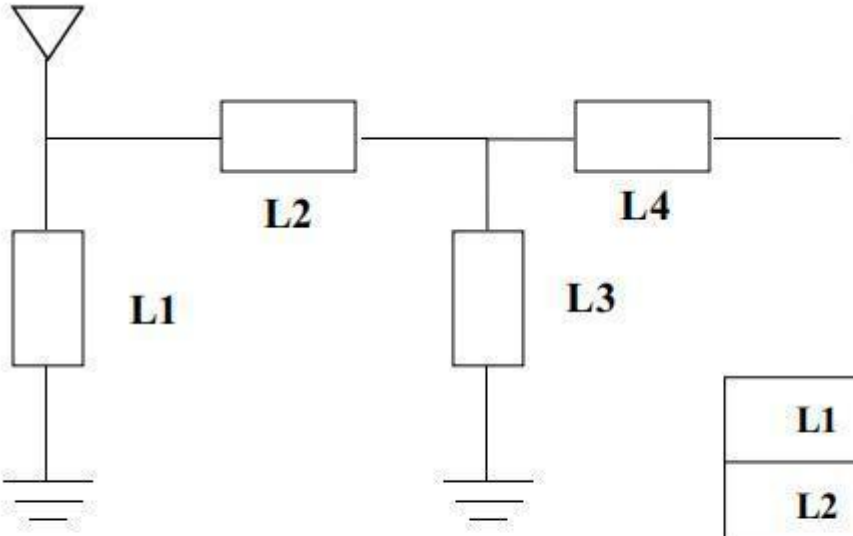
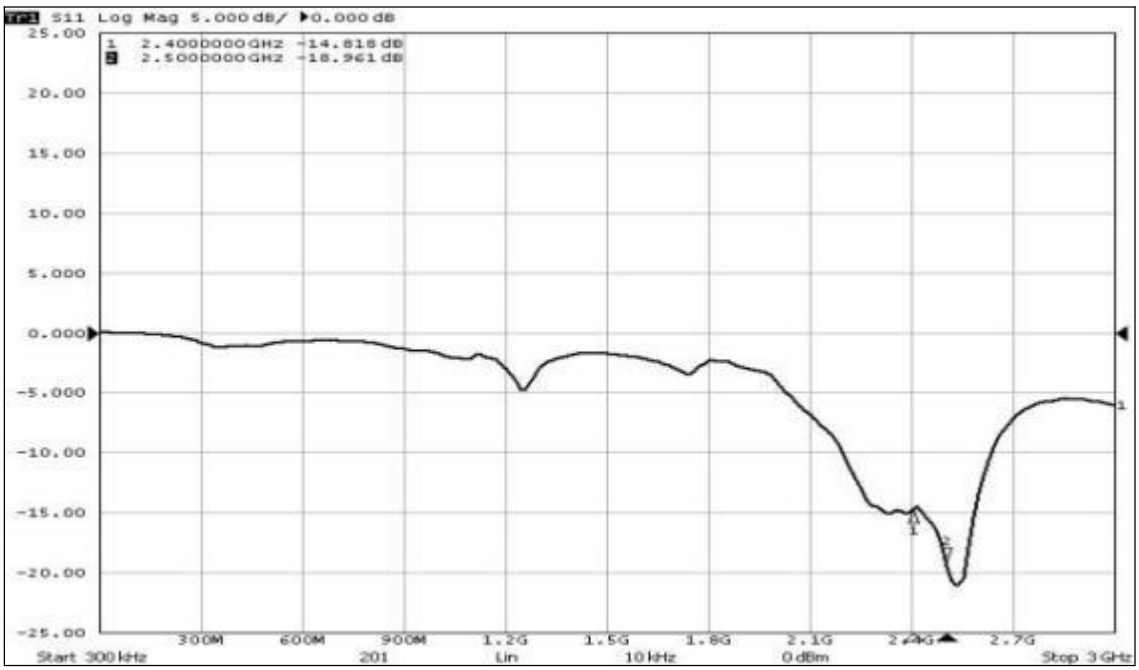
- Matching circuit————————



L1	/
L2	/
L3	/
L4	/

- Passive test report Return

loss graph



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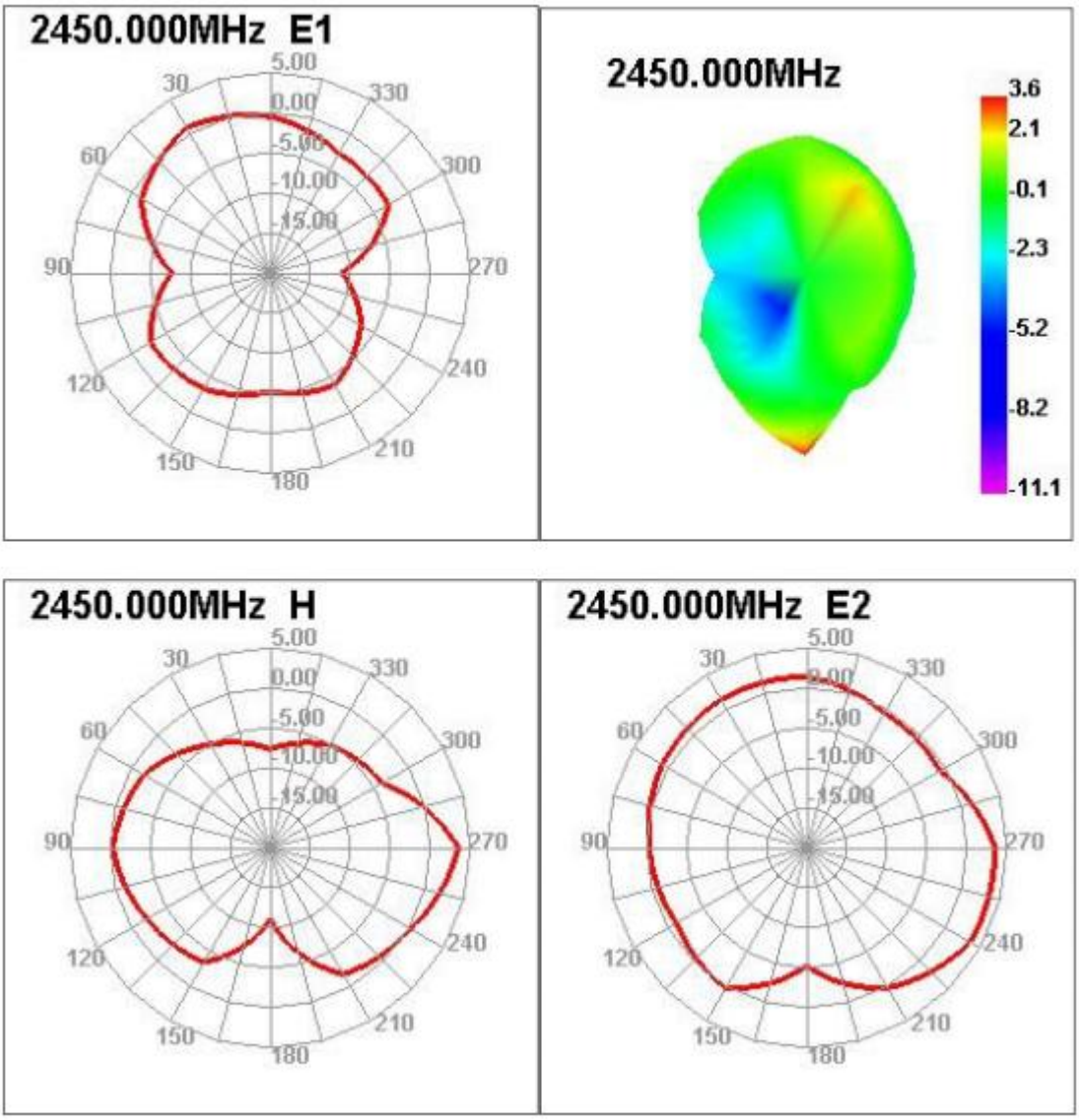
● Radiation pattern



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