

深圳市天联凌科技有限公司

Shenzhen SKYLink Technology Co.,Ltd

Antenna Product Specification

编号: SLS0A20221025CS01

客户名称: 豪昇

项目名称:

产品描述: FPC antenna welding wire diameter is 1.13MM black coaxial line, wire length is 300MM, fourth generation terminal, FPC black background white characters

客户料号:

我司料号: WF75B. C113. 300B. 4

板 本: V1.0 (第一次发行)

日 期: 2022-8-5

此承认书严禁修改

客户

工程	采购	承认

天联凌

研发	工程	审核

□ Specification Summary

A. Electrical Characteristics	
Frequency	2400MHz ~2500MHz 5150MHz ~5850MHz
VSWR	<2.0
Efficiency	>40%
Peak Gain	2dbi
Impedance	50 Ohm
Polarization	Line
B. Material & Mechanical Characteristics	
Material of Radiator	Cu
Cable Type	1.13MM Black
Connector Type	4
Dimension	At Attachment
Heat-durability	280±5°C, 10sec.
C. Environmental Characteristics	
Operation Temperature	- 20 °C ~ + 80 °C
Storage Temperature	- 30 °C ~ + 85 °C

□ Test Equipment & Conditions

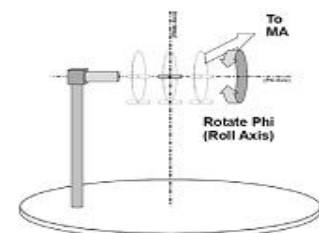
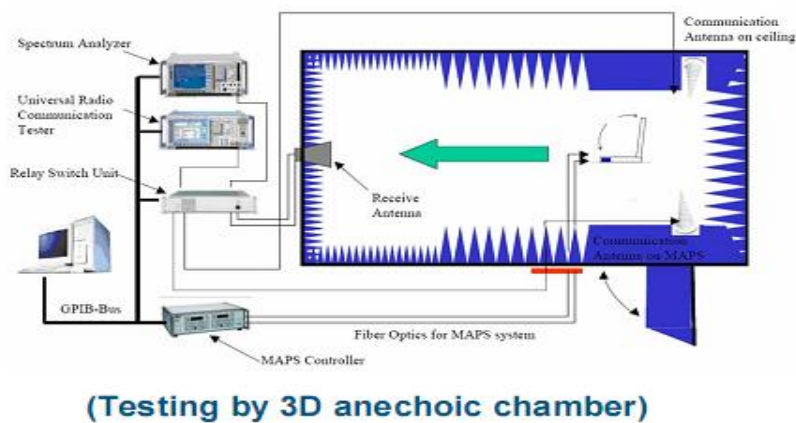
1. Network Analyzers :

Agilent 8753D 5071B

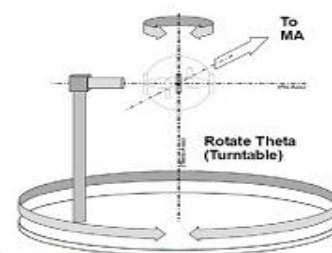
Communications Test Set:

Agilent E5515C CMW500

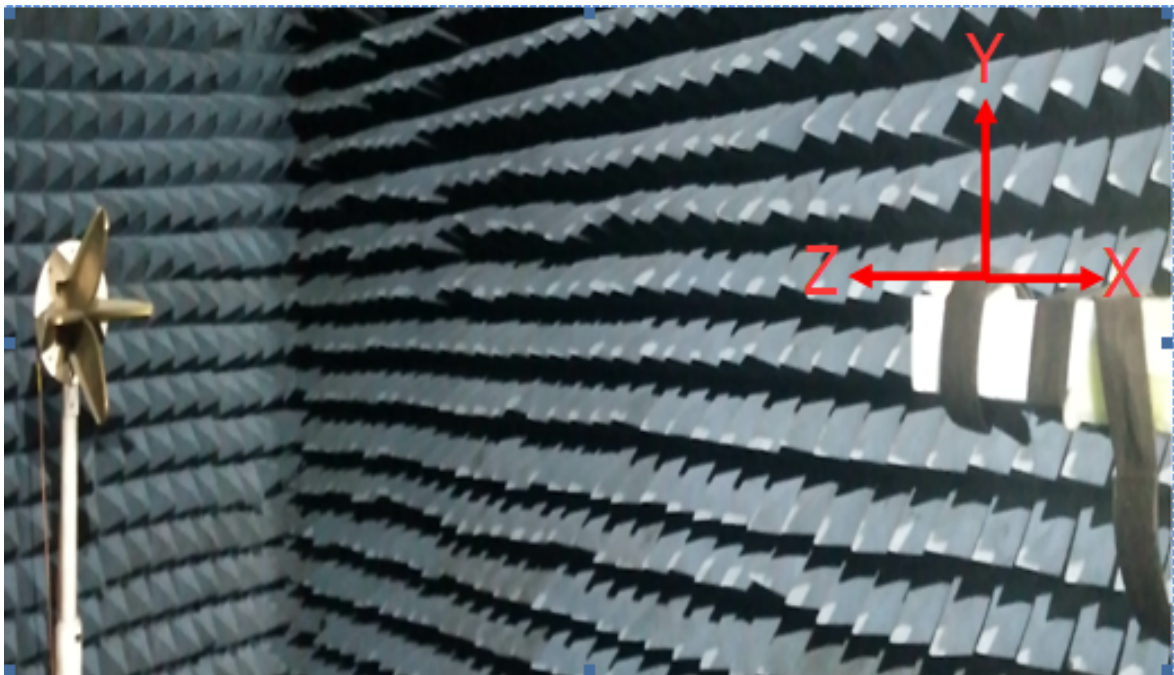
2. 3D Chamber Test System

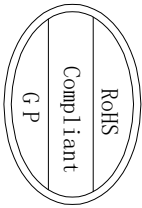


Phi axis test



Theta axis test



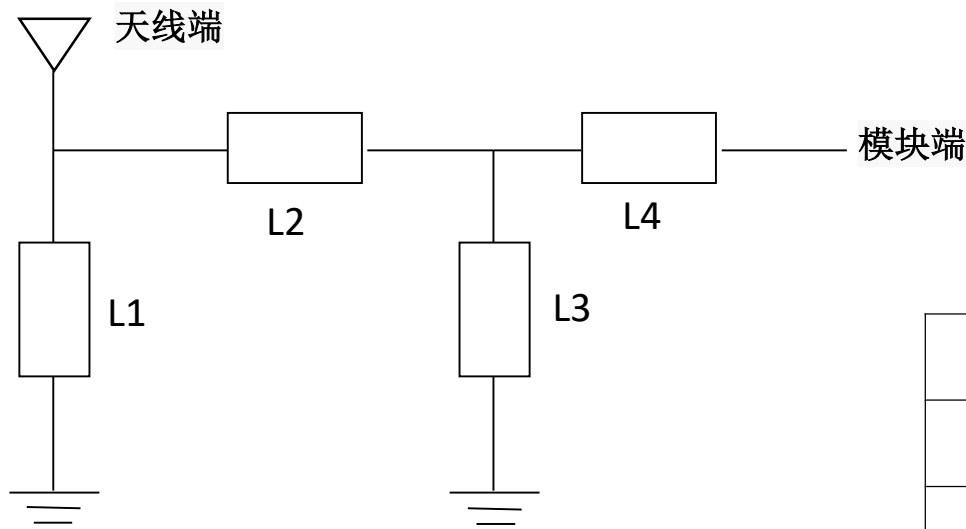


1. “*”为重点尺寸；
2. 未标注尺寸请依图纸；

深圳天联凌科技术有限公司									
SHEN ZHEN SKYlink CO., LTD									
		Third Angle		Project		Date		2022-08-05	
0~10		±0.05		○		0.02		Part Name	
10~18		±0.10		◎		Ø0.03		WIFI天线	
18~30		±0.12		┘		0.02		Part No.	
30~40		±0.15		∇		0.04		WF75B.C113.300B.4	
40~		±0.20		Angle		±0.5°		Material	
location								DWG No.	
								Checked by	
								MD	
								RF	
								Approved by	
								Unit	
								mm	
								Scale 1:1	
								Rev A	

1							
2							
3							
4							
5							
6							
7							
8							

□ 匹配电路（matching circuit）



原主板匹配电路不变

L1	/
L2	/
L3	/
L4	/

□ Reliability Test

Test Item		Test condition	Equipment	Specification	Result
1	Low Temp. Storage Test	Temperature: -30℃, Time:48hrs Test condition: Placing antenna in a Low/High Temperature Chamber, keep the temp is 25℃ and humidity is 65% for one hour, then step-down the temp. to -30℃ in one hour, store antenna for 44 hours; step-up temp to 25℃,test antenna after 2 hours.	Temp.&Humi. Tester	No material deformation is allowed. Electronic Performance is ok .	PASS
2	High Temp./High Humid Storage Test	Temperature: 85℃ Humidity: 85% RH Time:48hrs Test condition: Placing antenna in a Low/High Temperature Chamber, keep the temp is 25℃ and humidity is 65% for one hour, then step-up the temp. to 80℃ and the humidity up to 85% in one hour, store antenna for 44 hours; step-down temp to 25℃,test antenna after 2 hours.	Temp.&Humi. Tester	No material deformation is allowed. Electronic Performance is ok .	PASS
3	Salt-Spray 6 pray Test	Placing antenna in the Salt-Spray Tester ,set the test condition , Temp: 35±2℃ Humidity: 85% NaCl salt spray :5 ±1 %.PH value :6.5~7.2 Test time:24hours	Salt-Spray Tester	No color change No appear rusting	PASS