

供应商名称: 一佳电子通讯科技有限公司

产 品 承 认 书

Specification for Approval

客户名称

Client Name: 百富计算机技术(深圳)有限公司

品 牌

一佳

Brand Name:

原厂料号

YJS01.086.084.302A

Part No:

物料规格

2.4/5.8GWiFi 天线, 材质: FPC

Part Description:

产品制造商:

Dongguan YiJia Electronics Communication Technology Co., Ltd.

百富物料类别

天线

PAX Part Name:

百富物料编号

200212000000364

PAX Materiel No.:

百富物料描述

A35-AP6256/UW3622-2.4/5.8GHz-V01-FPC-一佳

PAX Description:

百富采用原因

PAX Import Reason:

A35 新机型号第一次导入

供 应 商 签 章	客 户 签 章
	承 认: 姜兵 2021.4.25 确 认: 冯磊 2021.4.25

Tester name: Wang sheng

Testing date: 2021.04.20

日期: 2021.04.20

Add: Yuanfu Industrial Zone, 59 Muyu Road, Shatou Community, Changan Town, Dongguan City



天线规格

Antenna Specification

Electrical Properties

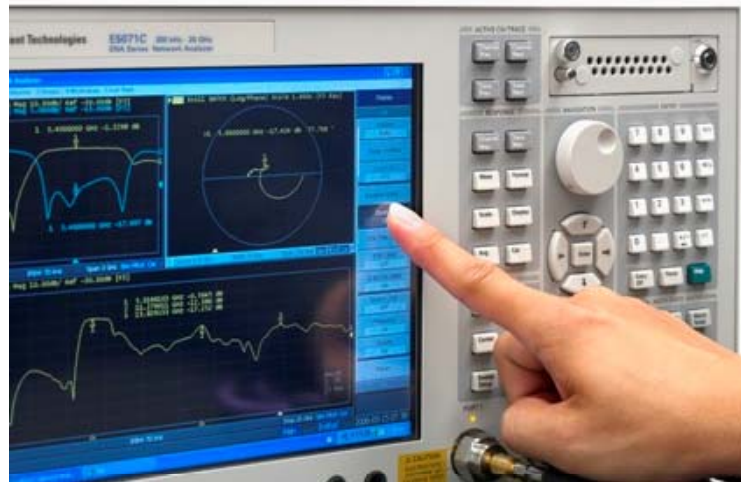
Frequency	2.4-2.5GHz 5.15-5.85GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.5 Max
Gain	2.2dBi@2.4-2.5GHz 0.8dBi@5.15-5.85GHz
Radiation	Omni-directional
Polarization	Linear

Physical Properties

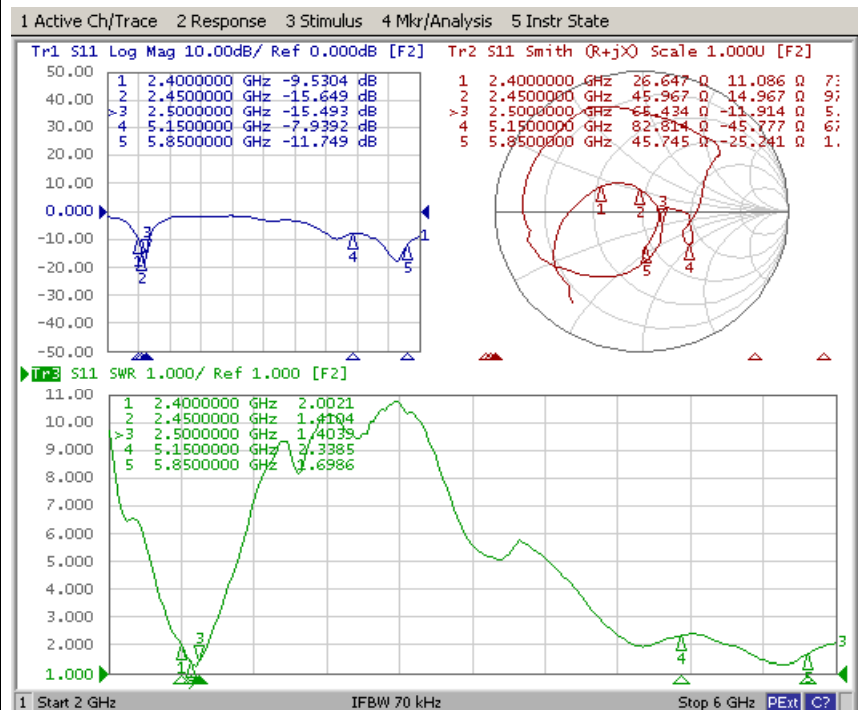
Connector	None
Cable Type	None
Cable Length	None
Cable Color	None
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity.	25±5 / <70%



Agilent E5071B



S Parameter Test // 2.4G&5.8G





Passive Test For WiFi(2.4G)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	47.9	-3.2	1.1
2410	46.4	-3.3	1.0
2420	46.4	-3.3	1.3
2430	46.2	-3.4	1.3
2440	46.0	-3.4	1.7
2450	48.1	-3.2	2.0
2460	47.2	-3.3	2.1
2470	46.8	-3.3	2.1
2480	46.1	-3.4	2.2
2490	46.1	-3.4	2.2
2500	45.8	-3.5	2.1



Passive Test For WiFi(5.8G)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	22.1	-6.6	-1.0
5200	24.3	-6.2	-0.8
5250	31.3	-5.1	0.4
5300	34.9	-4.6	0.8
5350	35.4	-4.5	0.8
5400	33.8	-4.7	0.4
5450	34.4	-4.6	0.2
5500	36.5	-4.4	0.6
5550	35.3	-4.5	0.4
5600	33.6	-4.7	-0.1
5650	42.4	-3.7	0.4
5700	42.5	-3.7	0.6
5750	42.9	-3.7	0.5
5800	32.4	-4.9	-0.3
5850	28.2	-5.5	-1.7



OTA Test For WIFI					
Band	Channel	Data Rate	TRP	Data Rate	TIS
WIFI 2.4G 802.11b	L	11Mbps	15.7	11mbps	-82.6
	M		15.6		-82.7
	H		16.9		-81.9
WIFI 5.8G 802.11a	L	6Mbps	11.9	54mbps	-70.7
	M		12.9		-72.1
	H		12.2		-72.1

add: 东莞市长安镇沙头社区木鱼路59号元富工业区 Tel:0769-82586086 Fax:0769-82586086

Equipment list

Equipment	Manufacturer	Model No.	Last Cal.	Due Date
Network Analyzer	Agilent	E5071C	2020.01.20	2022.01.19

Test Procedure

Test Step Flow

1. Maintain the test ambient temperature of 23 ± 2 °C, the instrument is powered on and preheated for more than 30 minutes
2. Turn on the darkroom power supply, connect the test cable, and set up the sample according to the standard
3. Outline sets the test content objectives and conducts calibration tests
4. Run the EMQuest OTA software, the test is complete, export the corresponding test diagram and test data, and save to the corresponding directory

Test Principle

The test principle can be seen in accordance with the standard ANSI/IEEE std 149-2021

Test Conditions

1. The analyte, the network analyzer for testing, the test equipment and the test cable connector should have good reliability, stability, dynamic range and measurement accuracy to ensure the correctness of the measurement accuracy
2. The measuring instrument should have a certificate of conformity and be within the effective calibration period
3. The analyte should be complete and undamaged, and the test environment should be kept clean