



规格承认书

SPECIFICATION FOR APPROVAL

日期 Date	2024/12/18
编号 File No	24121801
版本 Revision	1.0

客户
CUSTOMER: 翱瑞

客户料号
CUSTOMER NO: B.06.112003100

品名
PART NAME: WIFI Antenna

供方料号
SUPPLIER NO: YJT01.238.002.301A

送样日期Date:

送样数量Q'TY:

客户确认CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

供方确认 SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
 ChenGuoqiang	XieLi	ChenXingyi

YJ-RD-F04-A





承认书项目表

NO	内 容 (Contents)	页 数 (Number of Page)	页 码 (Page Code)
1	承认书封面 (Spec Cover)	1	1
2	承认书项目表 (Spec Item)	1	2
3	工程成品图 (Drawing)	1	3
4	包装图 (Package Drawing)	1	4
5	天线规格 (Antenna Specification)	1	5
6	S参数测试 (S Parameter)	1	6
7	无源测试 (Passive Test)	3	7 ~ 9
8	方向图 (Radiation Pattern)	2	10 ~ 11
9	有源测试 (Active Test)	1	12
10	天线装配图 (Antenna Profile)	3	13 ~ 15
11	全尺寸测量 (Full size measurement)	1	16
12	QC工程图 (QC)	2	17 ~ 18
13	检验报告 (Inspection Report)	1	19
14	可靠性报告 (Reliability Report)	2	20 ~ 21
15	RoHS报告 (RoHS Test Report)	167	22 ~ 188
16	-	-	-
17	-	-	-





天线规格
Antenna Specification

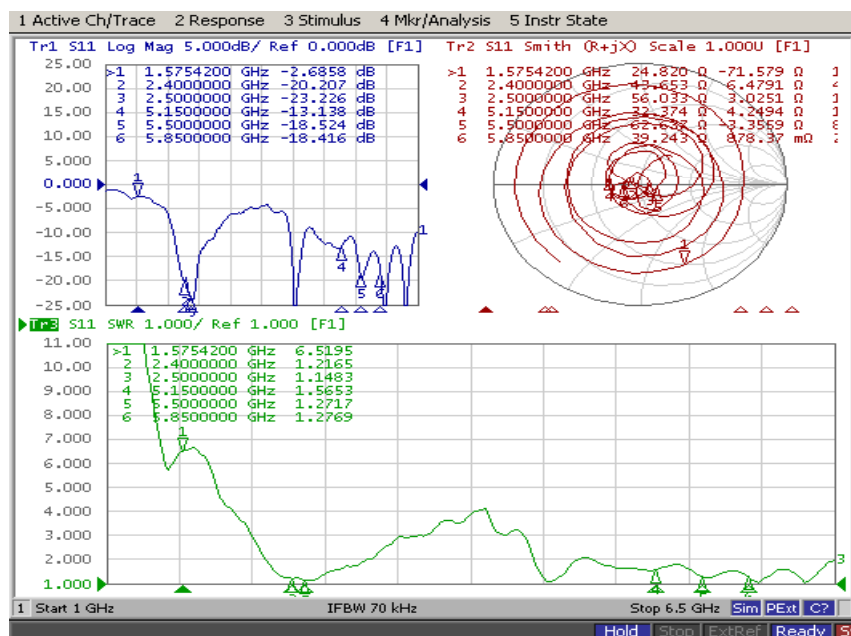
Electrical Properties	
Frequency	2.4-2.5GHz 5.15-5.85GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	3.3 dBi@2.4-2.5GHz 4.3 dBi@5.15-5.85GHz
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	1代IPEX
Cable Type	O.D.1.13mm
Cable Length	202mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%





Antenna Performance Test

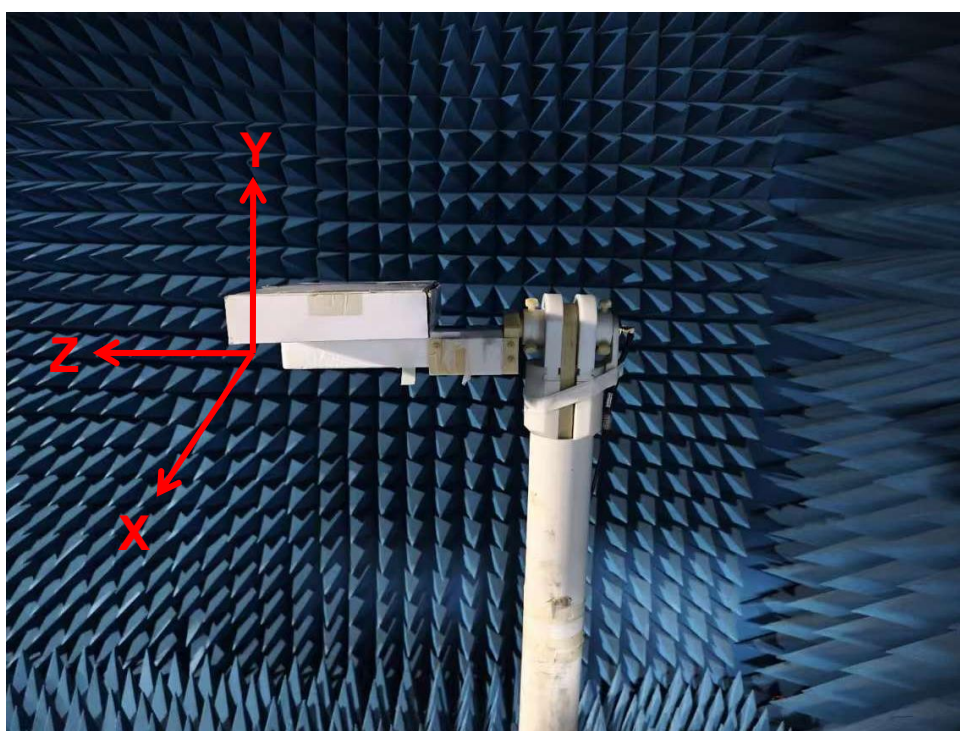
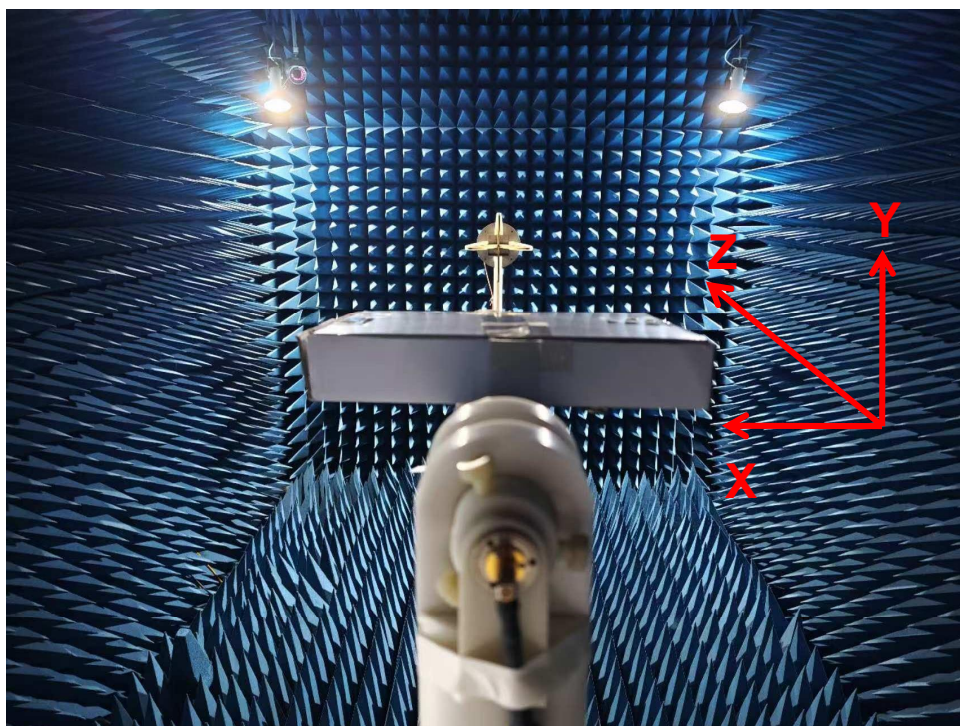
*Agilent
E5071C
S
Parameter
Test //
WIFI
Antenna*





东莞市一佳电子通讯科技有限公司
DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO., LTD

Antenna Passive Test



东莞市长安镇沙头社区木鱼路59号 Tel:0769-82586086 Fax:0769-82586086



Passive Test For WiFi Antenna(2.4G)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	61.6	-2.1	2.7
2410	61.8	-2.1	3.0
2420	62.4	-2.0	3.1
2430	61.9	-2.1	3.1
2440	62.1	-2.0	3.1
2450	66.3	-1.8	3.3
2460	65.5	-1.8	3.2
2470	65.7	-1.8	3.1
2480	63.2	-2.0	2.9
2490	61.9	-2.1	2.9
2500	61.6	-2.1	3.0





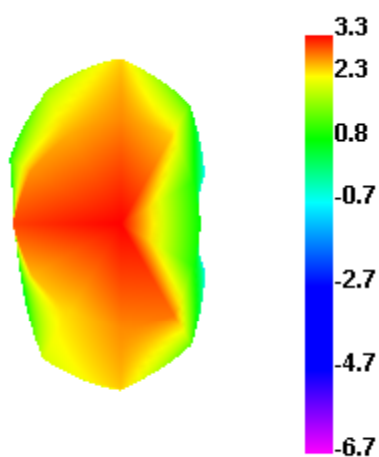
Passive Test For WiFi Antenna(5.8G)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	42.7	-3.7	1.7
5200	50.5	-3.0	2.7
5250	50.6	-3.0	3.2
5300	52.3	-2.8	3.4
5350	52.5	-2.8	3.5
5400	58.7	-2.3	4.1
5450	58.1	-2.4	4.3
5500	57.7	-2.4	3.9
5550	56.9	-2.5	3.5
5600	57.9	-2.4	3.3
5650	57.6	-2.4	3.9
5700	61.2	-2.1	3.8
5750	61.8	-2.1	3.9
5800	56.2	-2.5	3.9
5850	58.5	-2.3	3.9



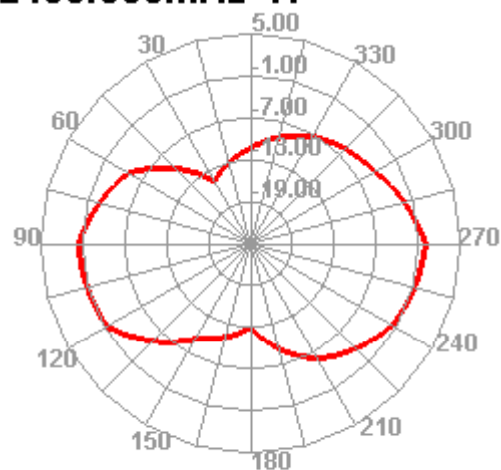


Radiation Pattern For WiFi Antenna (2450MHz)

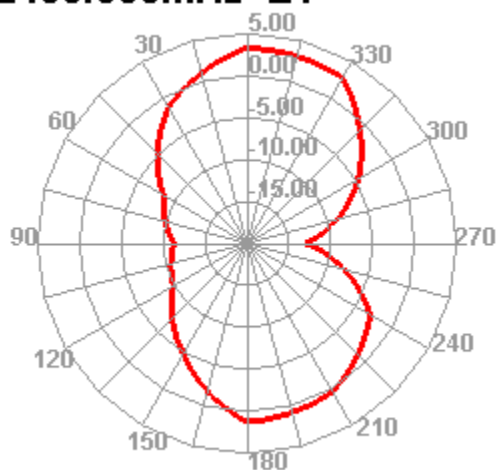
2450.000MHz



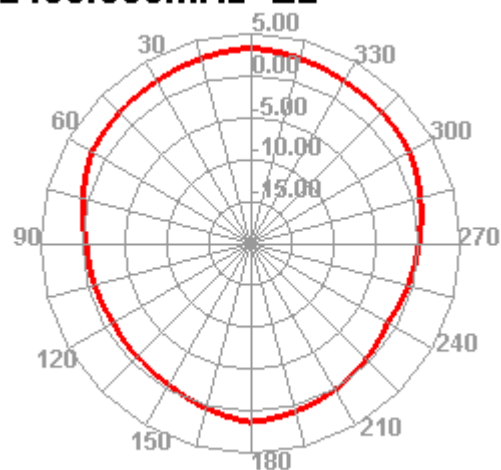
2450.000MHz H



2450.000MHz E1



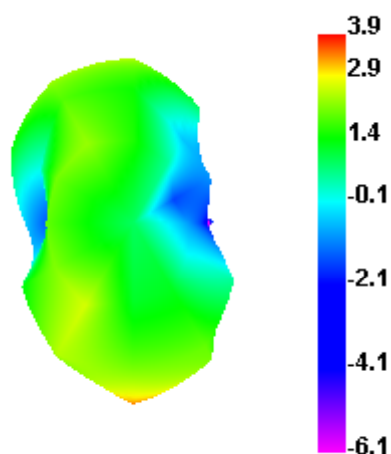
2450.000MHz E2



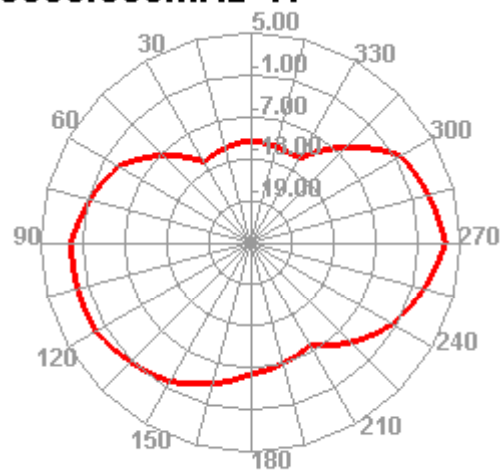


Radiation Pattern For WiFi Antenna (5800MHz)

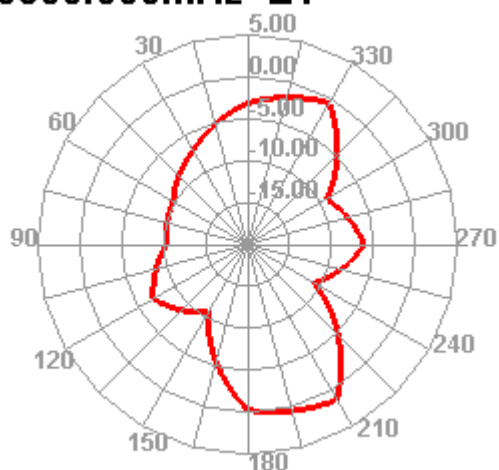
5800.000MHz



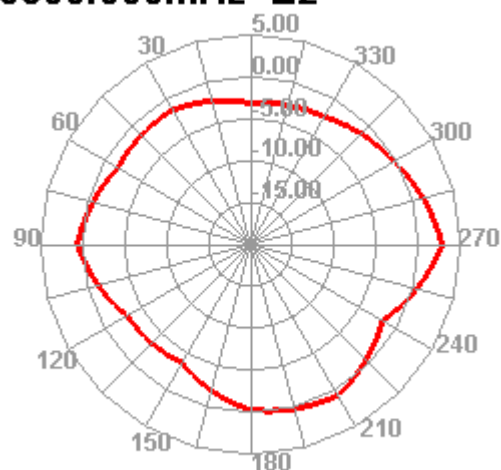
5800.000MHz H



5800.000MHz E1



5800.000MHz E2





Active Test For WIFI Antenna					
Band	Channel	Data Rate	TRP	Data Rate	TIS
WIFI 2.4G 802.11b	1	11Mbps	17.2	11Mbps	-82.7
	7		18.0		-84.0
	11		18.2		-81.8
WIFI 5.8G 802.11a	36	6Mbps	10.7	54Mbps	-69.1
	64		12.8		-71.4
	165		10.8		-71.8

