

Antenna Specifications

Customer name: 847

Project model: XR 181

Evaluation date: 2024-02-20

Edition record

edition	content	Update the reason	date
1.0	Antenna test	initial issue	2024-02-20

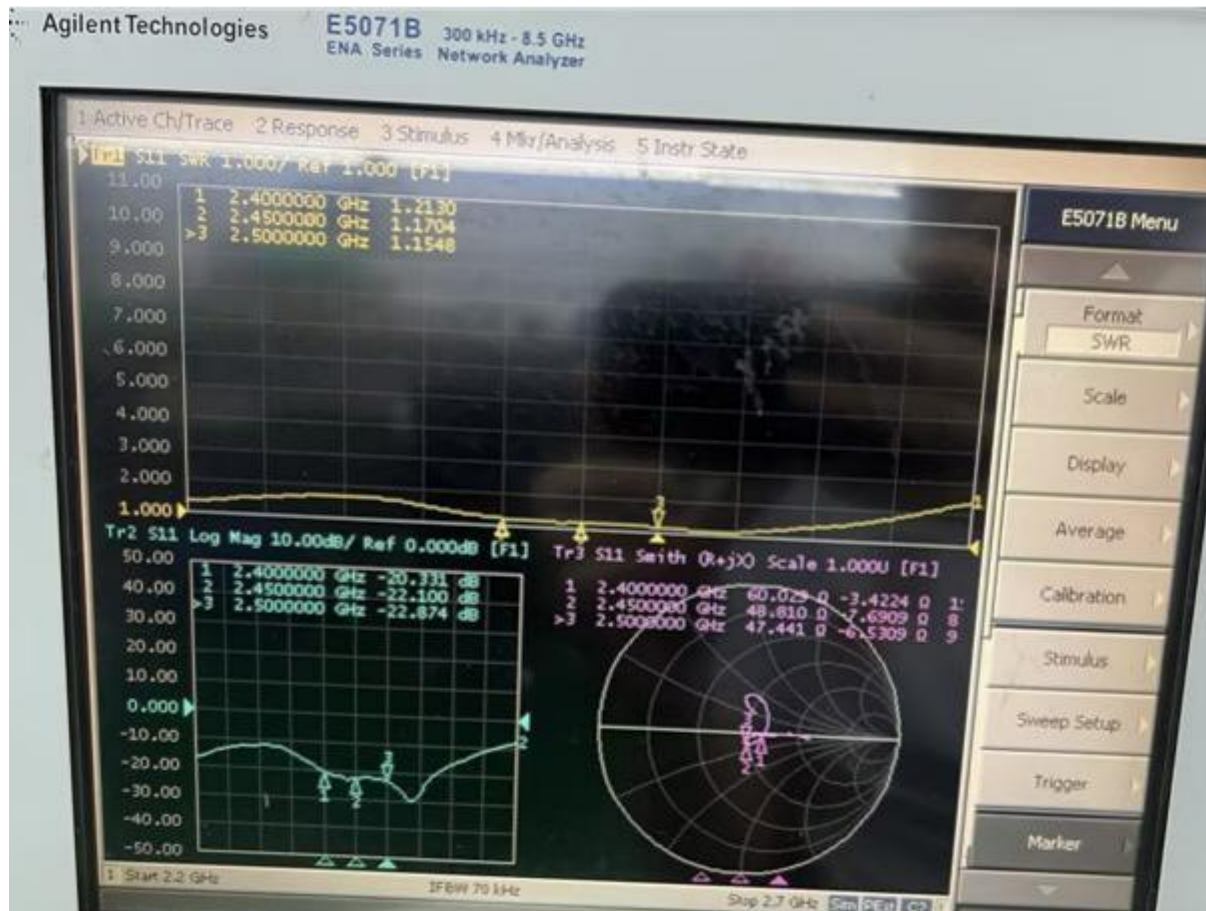
catalogue

1. Version record
2. Project situation
3. Antenna and structural forms... ..
4. 2.4 G antenna network test diagram... ..
5. 2.4 G antenna passive test data... ..
6. 2.4 G antenna test 2 D 3 D diagram
7. 5.8 G antenna network test diagram... ..
8. 5.8 G antenna passive test data
9. 5.8 G antenna test 2 D 3 D Fig

Customer:	847
Project	XR181
Antennas	2
Frequency	2400–2500/5150–5850 MHz
Structure	FPC

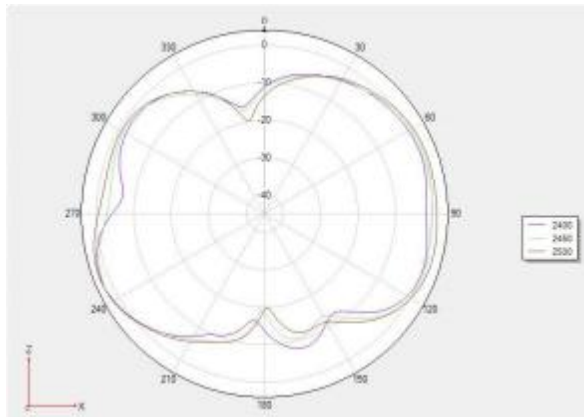
2. 4G Antennas _Structure



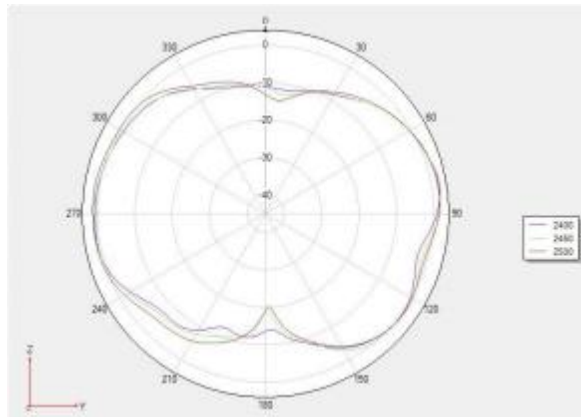


Frequency / MHz	Efficiency / %	Gain/ dBi
2400	74.47	2.59
2410	72.17	2.56
2420	75.11	2.76
2430	70.91	2.39
2440	72.07	2.75
2450	75.7	2.46
2460	73.62	2.85
2470	70.91	2.6
2480	75.62	2.72
2490	73.75	2.43
2500	73.51	2.68

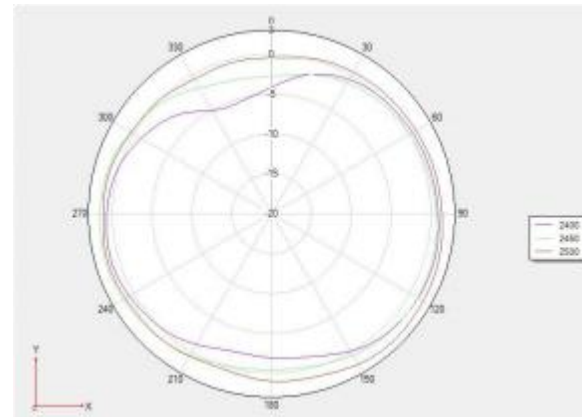
Phi 0 2D



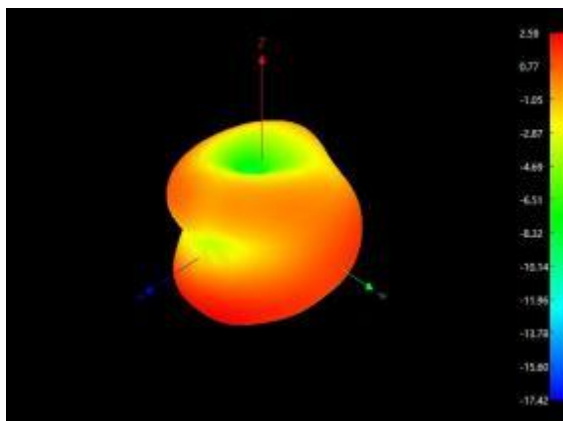
Phi 90 2D



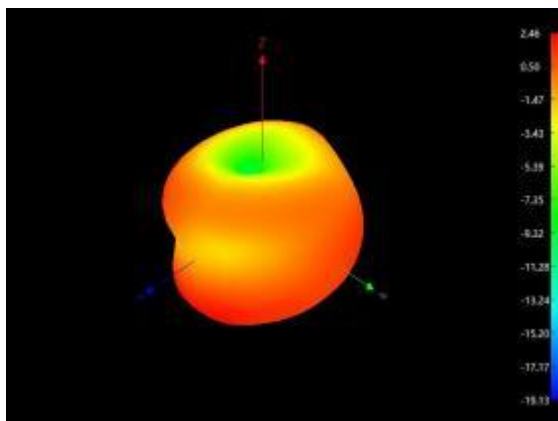
Theta 90



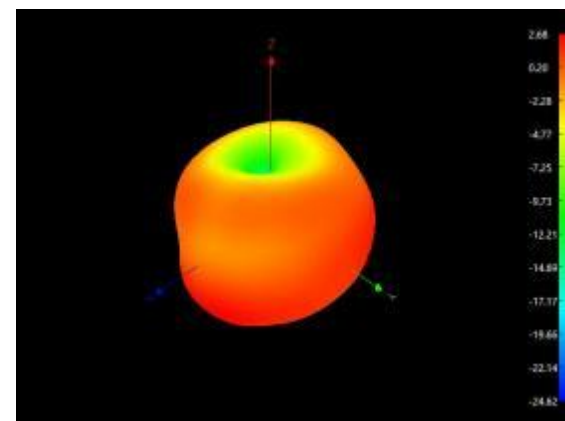
2400



2450



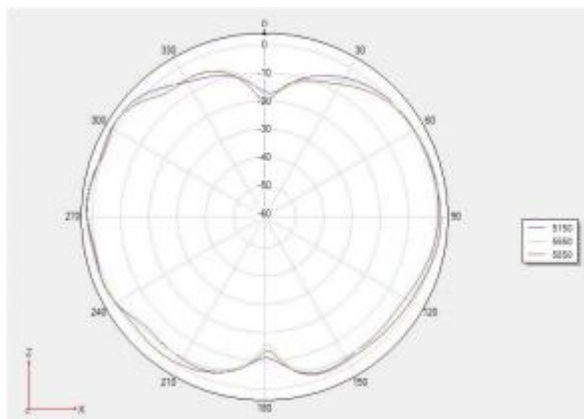
2500



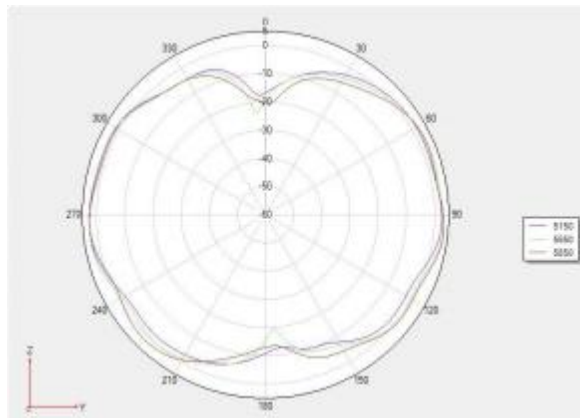


Frequency / MHz	Efficiency / %	Gain/ dBi
5150	70.3	3.04
5250	71.21	3.15
5350	72.09	3.15
5450	70.86	3.46
5550	71.74	3.18
5650	71.74	3.54
5750	72.28	3.17
5850	72.45	3.29

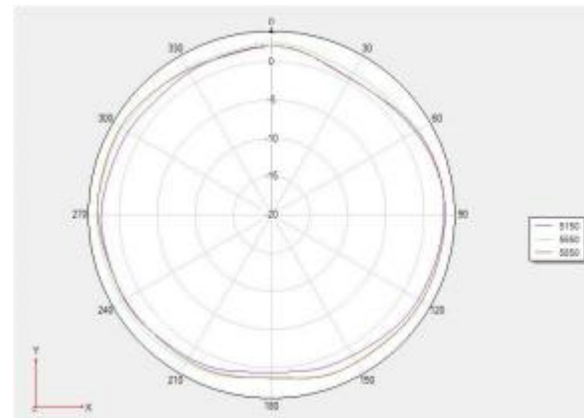
Phi 0 2D



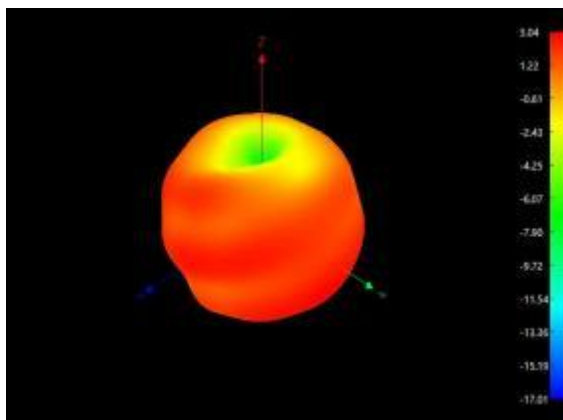
Phi 90 2D



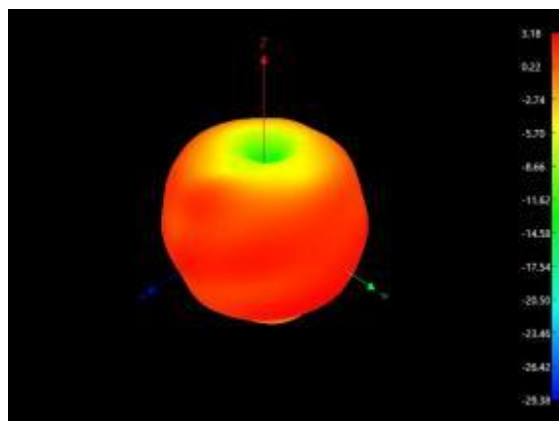
Theta 90



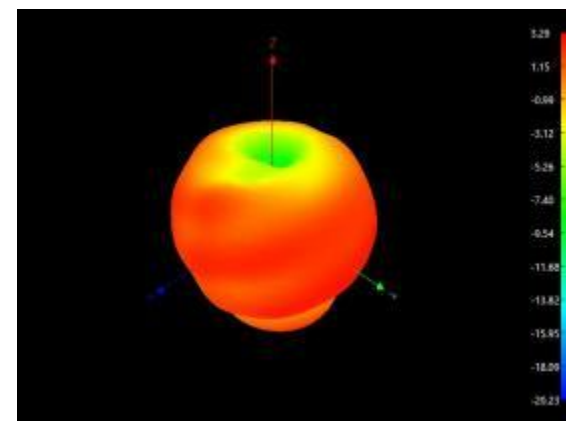
5150



5550



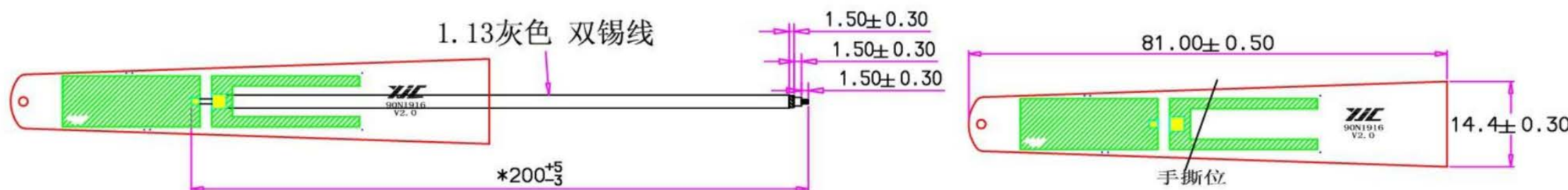
5850



RoHS

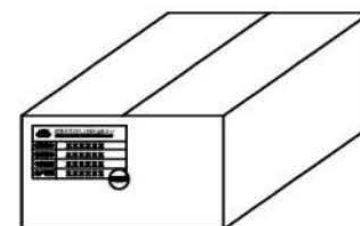
2.4GWIFI

REV	DATE	DESCRIPTION	NAME
A0	2024-03-12	新版发行	殷飞杰
A1			

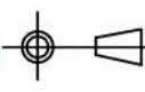


频率范围(Frequency Range)	2400-2500MHz
增益 (Gain)	2.0±1dBi
电压驻波比(VSWR)	<1.92
极化 (Polarization)	Linear.Vertical
最大功率(Max power rating)	50W
特性阻抗 (Impedance)	50Ω

- 要求: 1. 成品须100%测试导通OK
2. 成品须100%全检OK.
3. 采用环保制程.成品
4. 符合ROHS要求.
5. 未注公差请以一般公差为准.
6. *为重点标注尺寸.



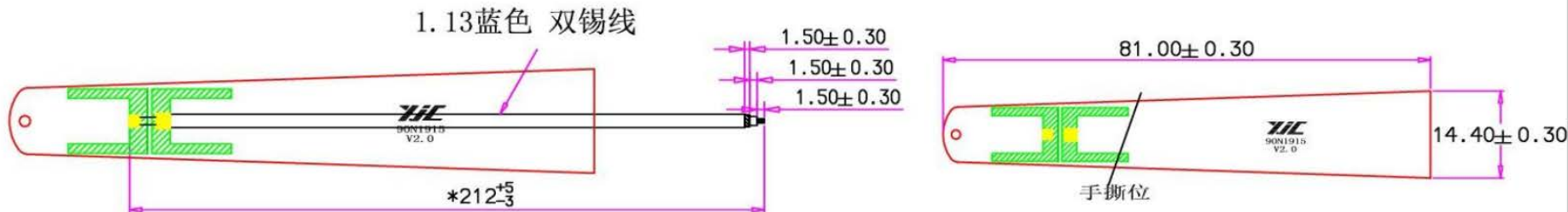
外箱须贴物料标示卡
与ROHS标签各1PCS

		零件名称 (PART NAME) 组立图		单位 (UNIT) mm	比例 (SCALE)	版本 (REV) A0	幅面 (SIZE) A4
		产品名称 2.4G 黑色内置天线		产品规格 OPEN, 1.13灰色线 L=200MM		产品料号 (PRODUCT NO.) YJC-6N200-G12	
		设计 DS.	殷飞杰	第1页,共1页		第1版日期 (ORIGINAL DATE) 2024-03-12	
		审核 CHK.	方文锋	深圳市英佳创电子科技有限公司 SHENZHEN YINGJIACHUANG TECHNOLOGY ELECTRONIC CO.,LTD			
		核准 APPD.					
控制尺寸 一般公差 (GENERAL TOLERANCE) 直线尺寸 (DIMENSION) 0~1 ±0.1 1~10 ±0.3 10~30 ±0.8 30~100 ±1 100~300 ±2		主要尺寸 角度 (ANGLES) X° ±1° X.X° ±0.5°					

RoHS

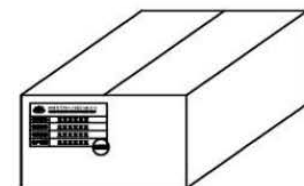
REV	DATE	DESCRIPTION	NAME
A0	2024-03-12	新版发行	殷飞杰
A1			

5GWIFI



频率范围(Frequency Range)	5150-5850MHz
增益 (Gain)	3.0±1dBi
电压驻波比(VSWR)	<1.92
极化 (Polarization)	Linear.Vertical
最大功率(Max power rating)	50W
特性阻抗 (Impedance)	50Ω

- 要求: 1. 成品须100%测试导通OK
2. 成品须100%全检OK.
3. 采用环保制程.成品
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6. *为重点标注尺寸.



外箱须贴物料标示卡
与ROHS标签各1PCS

				零件名称 (PART NAME) 建立人		单位 (UNIT) mm		比例 (SCALE)		版本 (REV) A0		幅面 (SIZE) A4	
产品名称 5.8G 黑色内置天线				产品规格 OPEN 1.13蓝色线 L=212MM				产品料号 (PRODUCT NO.) YJC-6N212-B01					
设计 DS.		殷飞杰		第1页,共1页				第1版日期 (ORIGINAL DATE) 2024-03-12					
审核 CHK.		方文锋		深圳市英佳创电子科技有限公司 SHENZHEN YINGJIACHUANG TECHNOLOGY ELECTRONIC CO.,LTD									
核准 APPD.													

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