



深圳市英佳创电子科技有限公司
Shenzhen Yingjiachuang Electronic Technology Co.,Ltd
<http://www.szsyjc.com>

ANT specification

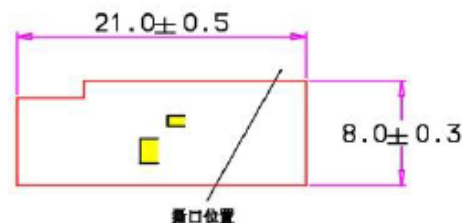
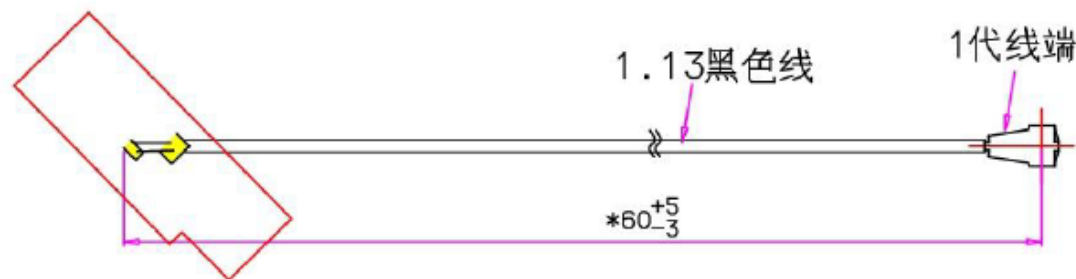
For 2.4G/5.8G Black FPC built-in ANT L=60mm
(NT10)

Company address:

Building C, Hongyu Guangming valley, No.11 Youmagang Road, Matian street, Guangming district Area, Shenzhen, China

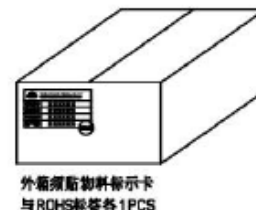
RoHS

REV	DATE	DESCRIPTION	NAME
A0	2024-01-09	新版发行	殷飞杰
A1			



频率范围(Frequency Range)	2400-2500/5150-5850MHz
增益 (Gain)	3.4dBi
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.



				零件名称 (PART NAME) 板立图		单位 (UNIT) mm		比例 (SCALE)		版本 (REV) A0		规格 (SIZE) A4	
产品名称				产品规格				产品料号 (PRODUCT NO.)					
2.4G/5.8G 黑色FPC内置天线				XD 1.13黑色线(总长) L=60MM				YJC-6N060-B132					
图例尺寸 (GENERAL TOLERANCE)		公差尺寸 (DIMENSIONS)		设计 DS.		板飞杰		第1页,共1页		第1版日期 (ORIGINAL DATE) 2024-01-09			
D=1 ±0.1 1-10 ±0.3 10-50 ±0.5 50-100 ±1 100-200 ±2		X* ±1* X、X* ±0.1*		审核 CHK.		深圳市英佳创电子科技有限公司 SHENZHEN YINGJIACHUANG TECHNOLOGY ELECTRONIC CO.,LTD							
				校核 APPD.									

ANT SPEC and testing data

电 性 能 指 标		Electrical Specifications	
频率范围	2400-2500/5150-5850MHz	Frequency Range	2400-2500/5150-5850MHz
电压驻波比	<1.92	VSWR	<1.92
输入阻抗	50 Ω	Input Impedance	50 Ω
方向	全向	Direction	All
增益(WIFI2)	3.4dBi	Gain(WIFI2)	3.4dBi
机 械 指 标		Mechanical Specifications	
线材颜色	黑色	Wire Color	Black
接口形式	XD	Input connector	XD
线材长度	60MM	Wire Length	60MM
工作温度	-20℃~+70℃	Working Temperature	-20℃~+70℃
工作湿度	20%~80%	Working Humidity	20%~80%

ANT Performance test chart

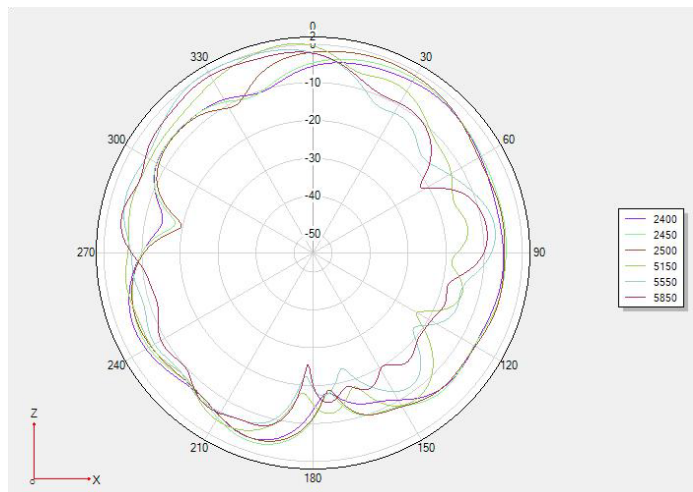


2D、3D(2.4G/5.8G) Testing Data

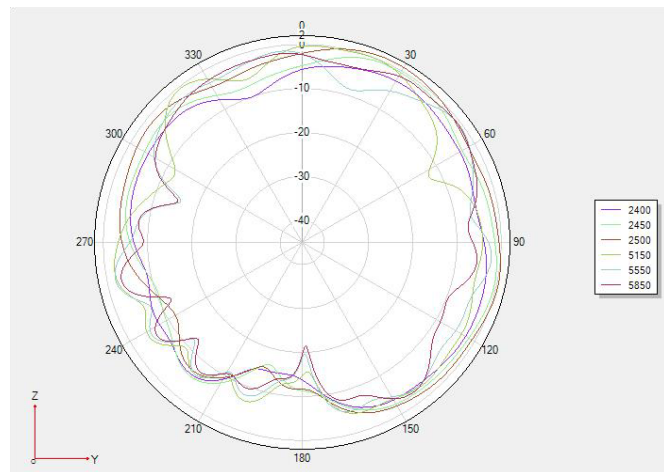
Frequency(MHz)	Efficiency(%)	Gain.(dBi)
2400MHz	59.01	1.65
2410MHz	57.02	1.51
2420MHz	61.68	1.52
2430MHz	57.46	1.34
2440MHz	60.99	1.63
2450MHz	58.79	1.71
2460MHz	60.65	1.49
2470MHz	57.86	1.82
2480MHz	61.33	1.46
2490MHz	59.19	1.68
2500MHz	59.82	1.48
5150MHz	46.49	2.81
5250MHz	52.85	3.21
5350MHz	44.74	2.94
5450MHz	49.51	3.31
5550MHz	51.48	3.02
5650MHz	54.77	3.39
5750MHz	46.42	2.7
5850MHz	54.89	3.24

2D、3D(2.4G/5.8G) Testing Data

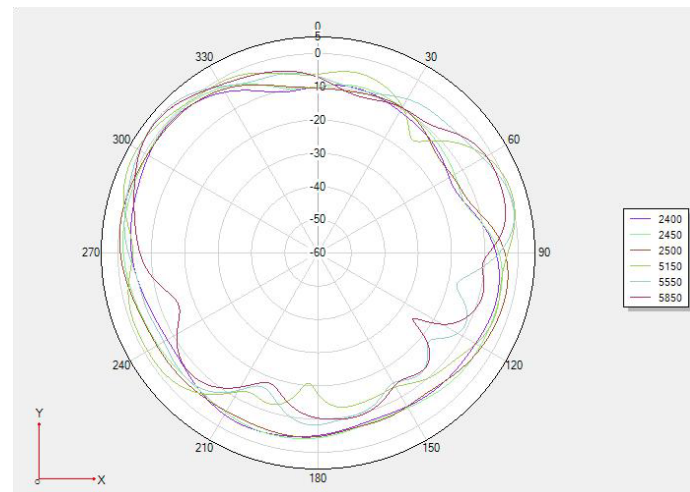
• Phi 0 2D 图:



Phi 90 2D 图

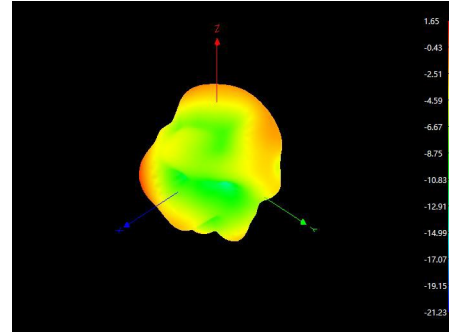
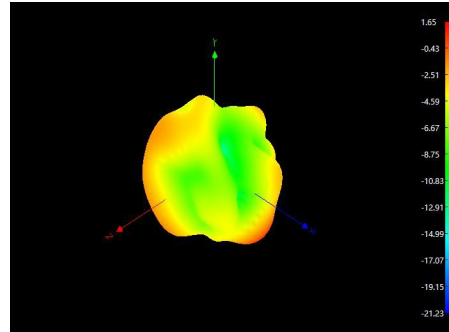
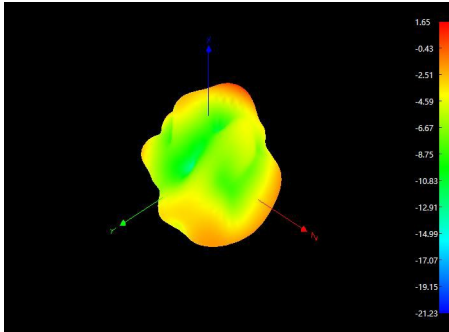


Theta 90 2D 图

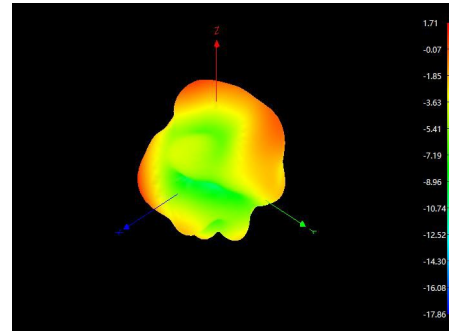
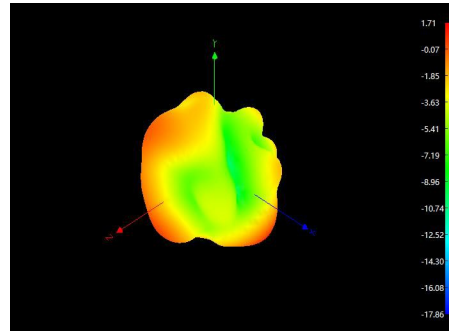
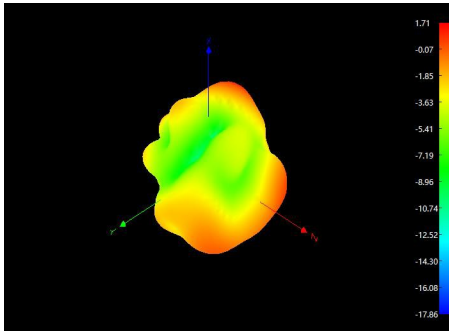


3D(2.4G) Testing Data

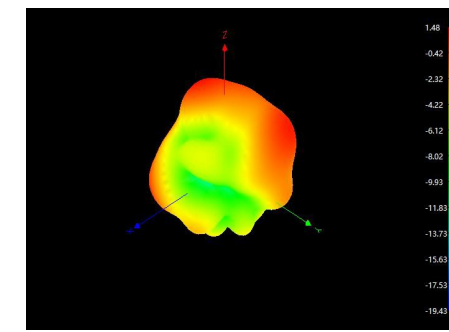
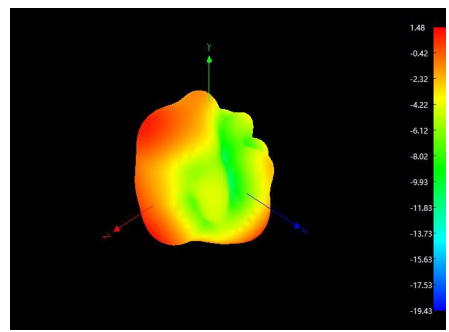
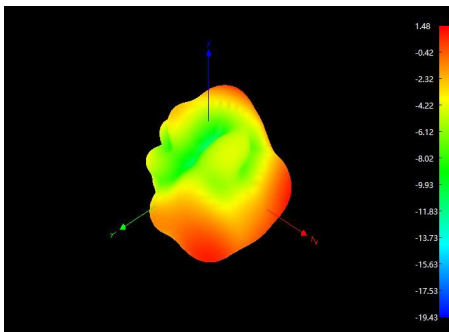
- 3D 2400:



- 3D 2450:

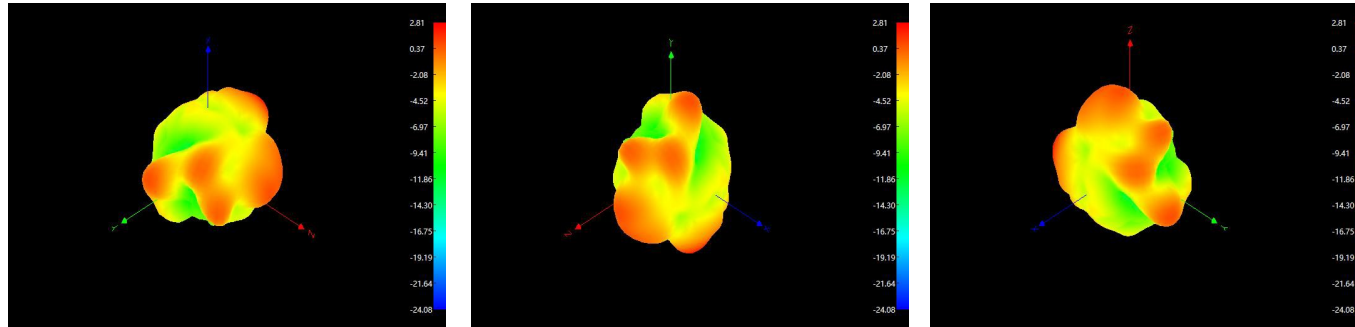


- 3D 2500:

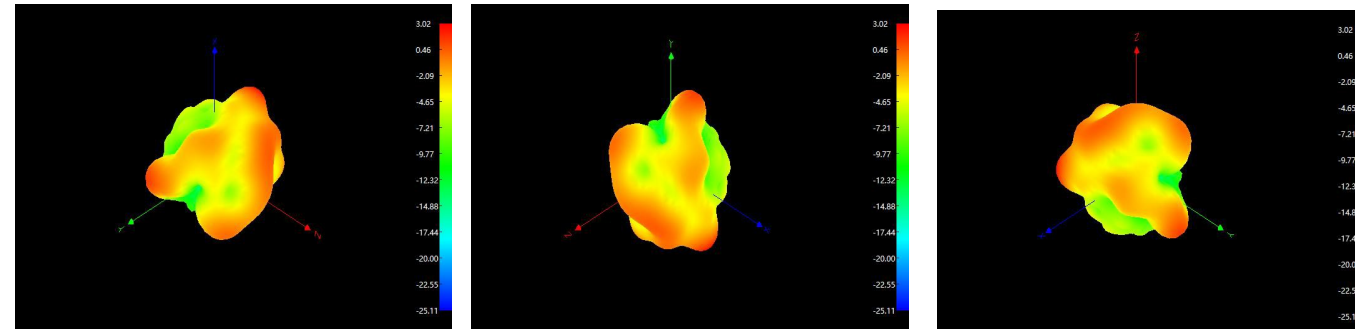


3D(2.4G/5.8G) Testing Data

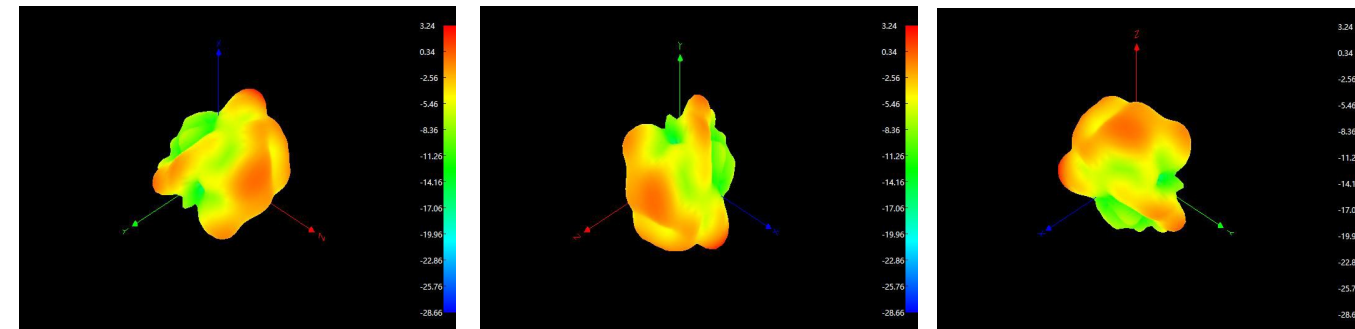
- 3D 5150:



- 3D 5550:



- 3D5850:



OTA Active test data statistics

Item	Measurement	Band	Channel	Frequency	Total
1	TRP	WIFI_B (11M)	1	2412	10.59
2	TRP	WIFI_B (11M)	6	2437	9.84
3	TRP	WIFI_B (11M)	11	2462	8.5
4	TIS(EIRP)	WIFI_B (11M)	1	2412	-80.45
5	TIS(EIRP)	WIFI_B (11M)	6	2437	-80.37
6	TIS(EIRP)	WIFI_B (11M)	11	2462	-78.29
7	TRP	WIFI_G (54M)	1	2412	8.06
8	TRP	WIFI_G (54M)	6	2437	6.62
9	TRP	WIFI_G (54M)	11	2462	5.83
10	TIS(EIRP)	WIFI_G (54M)	1	2412	-65.24
11	TIS(EIRP)	WIFI_G (54M)	6	2437	-63.82
12	TIS(EIRP)	WIFI_G (54M)	11	2462	-64.41
13	TRP	WIFI_A (54M)	36	5180	13.28
14	TRP	WIFI_A (54M)	149	5745	9.69
15	TRP	WIFI_A (54M)	165	5825	14.3
16	TIS(EIRP)	WIFI_A (54M)	36	5180	-70.06
17	TIS(EIRP)	WIFI_A (54M)	149	5745	-69.71
18	TIS(EIRP)	WIFI_A (54M)	165	5825	-69.23