

SHENZHEN JUNYU COMMUNICATION EQUIPEMT CO.,LTD

Antenna comprehensive test report

RF: LIU II BO

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2022/10/22

2022/10/24

SHENZHEN JUNYU COMMUNICATION EQUIPEMT CO.,LTD

Contents

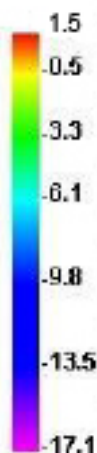
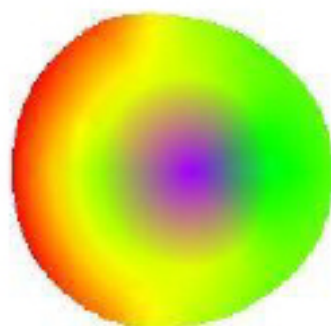
- 1.Project conditions
- 2.Personnel for communication
- 3.Antenna base info
- 4.Test environment
- 5.Matching circuit
- 6.Source test data
- 7.Call current sound test
- 8.GPS/WIFI antenna test effect
- 9.Environmental dispose way
- 10.Performance Risk Tips

1.Project conditions

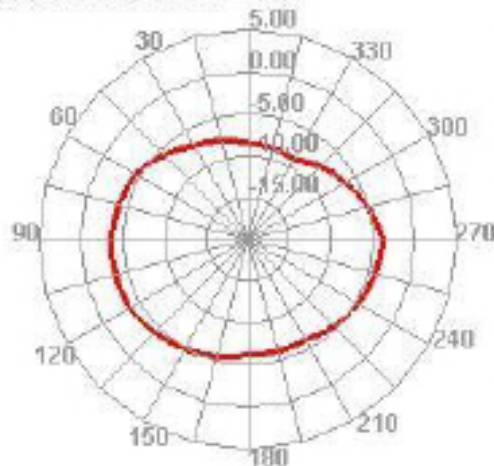
WIFI						
Motherboard						
Main antenna	Band		Antenna status	Antenna form	Design area	Match change
	WIFI	2400MHz	FPC	Single set	Next to the inner case	/

Passive Test For WIFI										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	49.22	-3.08	1.3	-0.85	33.132	16.091	1.3	-17.14	48.09	47.94
2410	49.19	-3.08	1.23	-0.92	33.264	15.926	1.23	-16.88	48.07	47.87
2420	48.97	-3.1	1.12	-1.03	33.097	15.873	1.12	-16.27	48.18	48
2430	48	-3.19	1	-1.15	32.445	15.554	1	-15.74	48.17	47.99
2440	49.81	-3.03	1.21	-0.94	33.883	15.924	1.21	-15.97	48.33	48.11
2450	51.97	-2.84	1.44	-0.71	35.717	16.249	1.44	-16.43	48.44	48.14
2460	51.39	-2.89	1.4	-0.75	35.752	15.64	1.4	-17.57	48.41	48.06
2470	51.84	-2.85	1.43	-0.72	36.544	15.292	1.43	-17.85	48.49	48.11
2480	52.99	-2.76	1.48	-0.67	37.586	15.4	1.48	-17.28	48.63	48.18
2490	53.53	-2.71	1.45	-0.7	38.058	15.476	1.45	-16.92	48.76	48.29
2500	50.61	-2.96	1.1	-1.05	35.976	14.631	1.1	-17.94	48.69	48.16

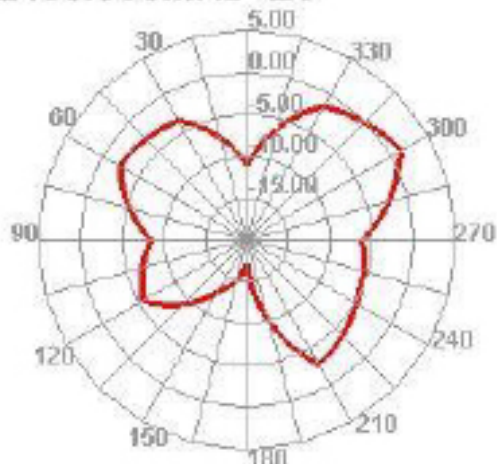
2400.000MHz



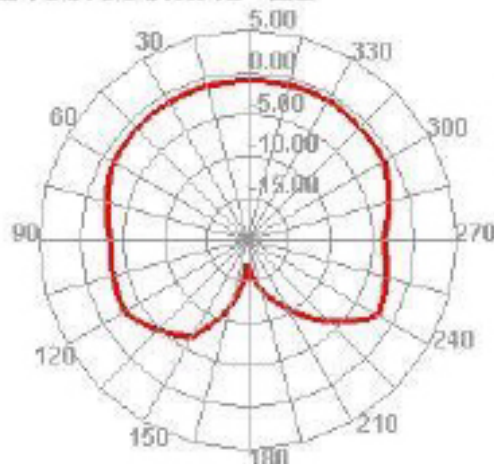
2400.000MHz H



2400.000MHz E1



2400.000MHz E2





					6	7	8	
					REV	DESCRIPTION	DATE	APPROVED

RoHS Compliant

Require:

1. No broken skin outside the wire. Damage.
2. Product must be tested for 100% test OK.
3. Product must be 100% full inspection OK.
4. Adopt environmentally production production process.
5. Terminal tension; 1.5KG ~.
6. Refer to the general tolerance.

Test conditions:

1. High Voltage: 200V DC
2. Break-over: 0.5 OHM MAX
3. High Voltage Time: 1MS
4. Insulation Impedance: 10H OHM MIN

2	FPCW	L34.5*7*0.26M<B FPCM5	1	1601-0034
1	Wire rod	0.81JK-48HI-FEP	1	1301-0004
No.	Name	Description	Q'ty	Part No.

一、公差 (GENERAL TOLERANCES)

尺寸 (Dimension)	公差 (Tolerance)	角度 (Angles)	公差 (Tolerance)
0-1	±0.1	°	±1°
1-10	±0.3	X, X°	±0.5°
10-30	±0.8		
30-100	±1		
100-300	±2		

(UNLESS OTHERWISE SPECIFIED)

版本 (REV)	A0			图样名称 (Draw Name)	客户料号 (CUS No.)		
比例 (Scale)	1:1			产品名称 (Product Name)	产品料号 (Product No.)		
图样 (Draw Name)	Heilison			单位 (UNIT)	幅面 (Size)	页/次 (Sheet)	审核日期 (Original Date)
审核 (Checked)				mm	A4	1/1	9.13.2021
批准 (APPROVED)							



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