

external parties without approval.

Company secrets shall not be disclosed to



Declaration of Acceptance

SPECIFICATION FOR APPROVAL

Specification Model/Description: AHP58-156H-TBD

material code : _____

Manufacturer part number: WIFI MAIN: SLK-LL-2421-R-30IV-B

Supplier: Shenzhen Yishengbang Technology Co., Ltd.

Property of part ☒ Standard ☐ Special Property of part ☒ Standard ☐ Special_____(Specified or SPECIAL)

Material Acceptance Item "Implementation Standards (Reference Acceptance Checklist)"		
affirmation of matters		Technical confirmation bar/time
Does the appearance meet the overall machine requirements?	☐	ID engineer :
Verify electrical performance, pin definitions, and power consumption to meet overall system requirements	☐	hardware engineer :
Verify whether the materials meet the EMC/SAFETY/RF requirements of the complete device.	☐	RF engineer :
Refer to the Material Acknowledgment Check List for institutional confirmation	☐	construction engineer :
Check if the drive and other components meet the overall system requirements	☐	Drive Engineer:
Thermal confirms compliance with overall system requirements	☐	Heat dissipation engineer:
Confirm whether the system meets BIOS/EC requirements	☐	SW engineer :
Confirm whether the system compatibility/reliability test requirements for the entire machine are met	☐	DQA System Engineer:
Environmental Review Record (Applicable to ROHS Directive)	☐	Environmental Engineer:
Confirm supplier appearance inspection standards/critical processes	☐	SQE engineer :
Confirm if it meets customer requirements	☐	Project Manager (PM):
FAI full-size reports, CPK reports, packaging specifications, and single-unit reliability reports, among others.	☐	CE engineer :

Sample attached: ☒ R&D ☐ Quality ☐ Procurement ☒ Supplier ☐ Customer ☒ Assembly Plant

Precautions for IQC inspection:

edition	Change content description	Change date	Revisioner
A	First edition release		
fiction		examine and verify	

Storage period: 3 years

Shenzhen Yishengbang Technology Co., Ltd.

sample INFORMED CONSENT FORM

SPECIFICATION FOR APPROVAL

Company Name (to be filled by the client): Shanghai Liulian Intelligent Technology Co., Ltd.

Material cost code (customer entered): _____

Specification model number (provided by the customer): AHP58-156H-TBD

Recognition date (provided by the customer): _____

Supplier name (to be filled by SLK): Shenzhen Yishengbang Technology Co., Ltd.

Supplier model number (to be filled in by SLK): WIFI MAIN: SLK-LL-2421-R-30IV-B

Acknowledgement Signature					
supplier acknowledgment			Shanghai Liulian Intelligent Technology Co., Ltd.		
engineer	examine and verify	ratify	engineer	examine and verify	ratify
Hu Xuewen	Huang Zhen	Lin Meicai			
Seal and signature			Seal and signature		
date		2024-11-26	date		
Instructions: ☐ Accept ☐ Accept with conditions					
Notes (for customer entry):					

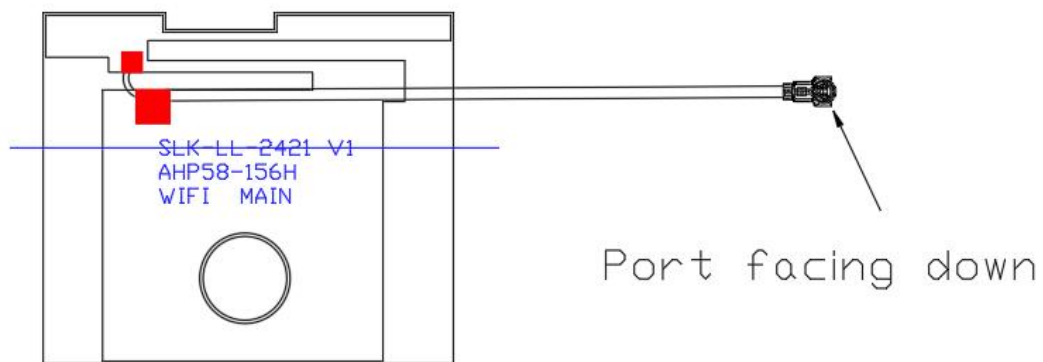
Supplier name: Shenzhen Yishengbang Technology Co., Ltd.

Supplier address: 101, Building C, Qianwan Hard Technology Industrial Park, Nanchang Community, Xixiang Street, Baoan District, Shenzhen

Tel: 18666299104 Fax: 0769-82553116 Tel: 18666299104 Fax: 0769-82553116

WIFI MAIN

1. Explanation of Product number :



Product Code:

- (1) Customer: Six copies
- (2) Antenna Name: WIFI Antenna
- (3) Connector: 0.81mm black wire, total length 30mm, 4th generation terminal

2. Features

- *Stable and reliable in performances
- *Compact size
- *RoHS compliance

3. Applications

- * IEEE802.11 (b/g/n/a)
- * Hand-held devices when WIFI (802.11b/g/n/a) functions are needed

4. Description

Holy bond ' s FPC antenna series are specially designed for WIFI (802.11b/g/n/a) applications. Based on Holy bond ' s proprietary design and processes, this FPC antenna has excellent stability and sensitivity to consistently provide high signal reception efficiency.

5. Electrical Specifications

5-1

Characteristics	Specifications	Unit
Outline Dimensions	24.5x20.95x0.12	mm
Center Frequency	2.4-2.5+5.15-5.85	GHz
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	

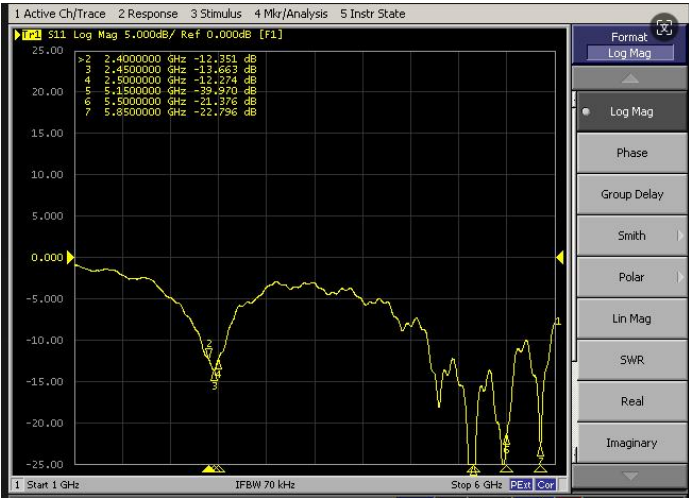
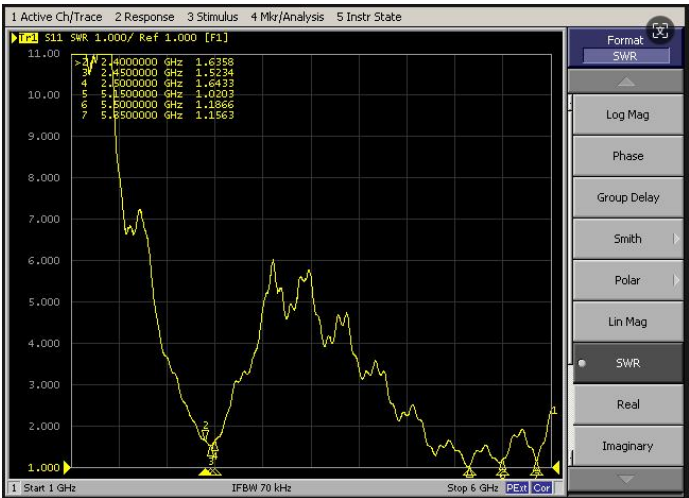
5-2.

VSWR

S11

VSWR

S11



5-3.

WIFI有源测试			
频段	1	6	11
B-TRP-11MBps	8.48	9.01	8.11
B-TIS-11MBps	-76.18	-76.49	-76.33
频段	36	149	165
A-TRP-54MBps	8.77	8.56	8.68
A-TIS-54MBps	-68.72	-68.40	-68.01

10	26.00-27.00	sec	6.11	Mbytes	51.3	Mbits/sec
12	26.00-27.00	sec	5.88	Mbytes	48.3	Mbits/sec
SUM	26.00-27.00	sec	31.8	Mbytes	267	Mbits/sec
4	27.00-28.00	sec	5.75	Mbytes	48.2	Mbits/sec
6	27.00-28.00	sec	5.43	Mbytes	45.6	Mbits/sec
8	27.00-28.00	sec	5.38	Mbytes	45.1	Mbits/sec
10	27.00-28.00	sec	4.96	Mbytes	41.6	Mbits/sec
12	27.00-28.00	sec	4.62	Mbytes	38.8	Mbits/sec
SUM	27.00-28.00	sec	26.1	Mbytes	219	Mbits/sec
4	28.00-29.00	sec	5.56	Mbytes	46.7	Mbits/sec
6	28.00-29.00	sec	5.38	Mbytes	45.1	Mbits/sec
8	28.00-29.00	sec	5.25	Mbytes	44.0	Mbits/sec
10	28.00-29.00	sec	4.42	Mbytes	37.1	Mbits/sec
12	28.00-29.00	sec	4.38	Mbytes	36.7	Mbits/sec
SUM	28.00-29.00	sec	25.0	Mbytes	210	Mbits/sec
4	29.00-30.00	sec	7.94	Mbytes	66.6	Mbits/sec
6	29.00-30.00	sec	7.24	Mbytes	60.7	Mbits/sec
8	29.00-30.00	sec	6.81	Mbytes	57.1	Mbits/sec
10	29.00-30.00	sec	6.50	Mbytes	54.5	Mbits/sec
12	29.00-30.00	sec	6.12	Mbytes	51.4	Mbits/sec
SUM	29.00-30.00	sec	34.6	Mbytes	290	Mbits/sec
ID	Interval	Transfer	Bandwidth			
4	0.00-30.00	sec	213	Mbytes	59.5	Mbits/sec
6	0.00-30.00	sec	212	Mbytes	59.4	Mbits/sec
8	0.00-30.00	sec	200	Mbytes	55.8	Mbits/sec
9	0.00-30.00	sec	200	Mbytes	55.8	Mbits/sec
10	0.00-30.00	sec	188	Mbytes	52.6	Mbits/sec
11	0.00-30.00	sec	188	Mbytes	52.6	Mbits/sec
12	0.00-30.00	sec	179	Mbytes	50.1	Mbits/sec
13	0.00-30.00	sec	179	Mbytes	50.0	Mbits/sec
14	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
15	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
16	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
17	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
18	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
19	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
20	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
21	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
22	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
23	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
24	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
25	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
26	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
27	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
28	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
29	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
30	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
31	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
32	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
33	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
34	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
35	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
36	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
37	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
38	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
39	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
40	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
41	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
42	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
43	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
44	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
45	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
46	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
47	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
48	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
49	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
50	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
51	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
52	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
53	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
54	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
55	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
56	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
57	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
58	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
59	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
60	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
61	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
62	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
63	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
64	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
65	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
66	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
67	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
68	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
69	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
70	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
71	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
72	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
73	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
74	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
75	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
76	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
77	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
78	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
79	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
80	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
81	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
82	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
83	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
84	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
85	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
86	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
87	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
88	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
89	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
90	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
91	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
92	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
93	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
94	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
95	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
96	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
97	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
98	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
99	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec
100	0.00-30.00	sec	173	Mbytes	48.3	Mbits/sec

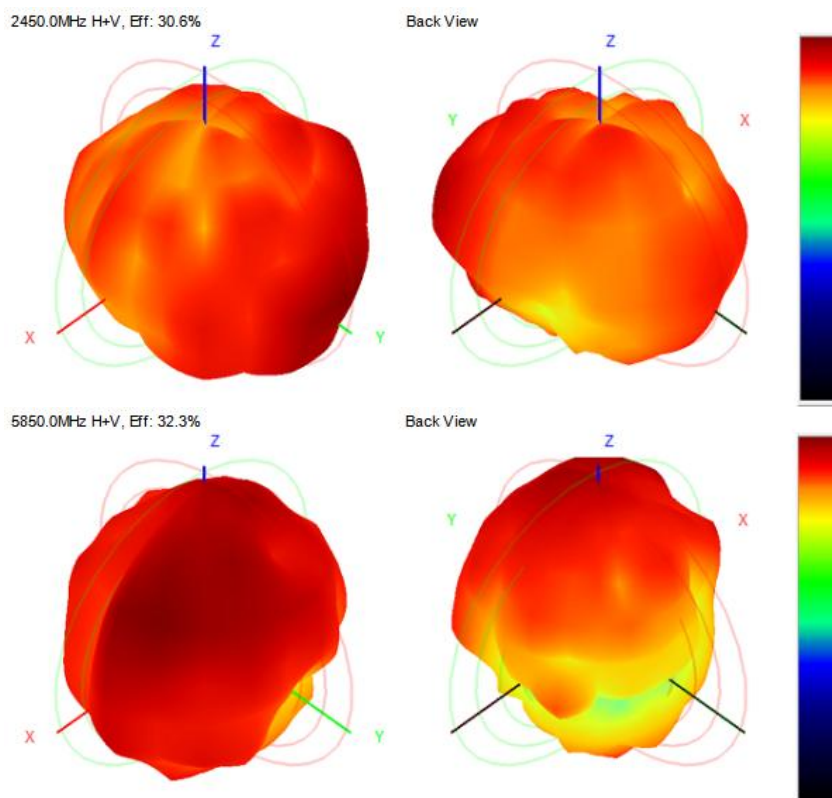
10	26.00-27.00	sec	5.12	Mbytes	43.1	Mbits/sec
12	26.00-27.00	sec	4.75	Mbytes	39.9	Mbits/sec
SUM	26.00-27.00	sec	36.8	Mbytes	309	Mbits/sec
4	27.00-28.00	sec	5.12	Mbytes	43.0	Mbits/sec
6	27.00-28.00	sec	5.38	Mbytes	45.1	Mbits/sec
8	27.00-28.00	sec	15.8	Mbytes	132	Mbits/sec
10	27.00-28.00	sec	5.12	Mbytes	43.0	Mbits/sec
12	27.00-28.00	sec	5.12	Mbytes	43.0	Mbits/sec
SUM	27.00-28.00	sec	36.5	Mbytes	306	Mbits/sec
4	28.00-29.00	sec	5.00	Mbytes	41.9	Mbits/sec
6	28.00-29.00	sec	4.88	Mbytes	40.9	Mbits/sec
8	28.00-29.00	sec	13.9	Mbytes	116	Mbits/sec
10	28.00-29.00	sec	4.62	Mbytes	38.8	Mbits/sec
12	28.00-29.00	sec	4.38	Mbytes	36.7	Mbits/sec
SUM	28.00-29.00	sec	32.8	Mbytes	275	Mbits/sec
4	29.00-30.00	sec	4.50	Mbytes	37.7	Mbits/sec
6	29.00-30.00	sec	1.50	Mbytes	12.6	Mbits/sec
8	29.00-30.00	sec	13.4	Mbytes	112	Mbits/sec
10	29.00-30.00	sec	4.25	Mbytes	35.7	Mbits/sec
12	29.00-30.00	sec	4.38	Mbytes	36.7	Mbits/sec
SUM	29.00-30.00	sec	28.0	Mbytes	235	Mbits/sec
ID	Interval	Transfer	Bandwidth			
4	0.00-30.00	sec	124	Mbytes	34.5	Mbits/sec
6	0.00-30.00	sec	123	Mbytes	34.3	Mbits/sec
8	0.00-30.00	sec	124	Mbytes	34.7	Mbits/sec
9	0.00-30.00	sec	123	Mbytes	34.4	Mbits/sec
10	0.00-30.00	sec	544	Mbytes	152	Mbits/sec
11	0.00-30.00	sec	543	Mbytes	152	Mbits/sec
12	0.00-30.00	sec	116	Mbytes	32.3	Mbits/sec
13	0.00-30.00	sec	115	Mbytes	32.1	Mbits/sec
14	0.00-30.00	sec	111	Mbytes	31.1	Mbits/sec
15	0.00-30.00	sec	111	Mbytes	30.9	Mbits/sec
16	0.00-30.00	sec	1018	Mbytes	288	Mbits/sec
17	0.00-30.00	sec	1015	Mbytes	284	Mbits/sec

10	26.00-27.00	sec	7.75	Mbytes	65.0	Mbits/sec
12	26.00-27.00	sec	8.50	Mbytes	71.3	Mbits/sec
SUM	26.00-27.00	sec	39.4	Mbytes	330	Mbits/sec
4	27.00-28.00	sec	7.25	Mbytes	60.8	Mbits/sec
6	27.00-28.00	sec	7.38	Mbytes	61.9	Mbits/sec
8	27.00-28.00	sec	8.25	Mbytes	69.2	Mbits/sec
10	27.00-28.00	sec	8.75	Mbytes	73.4	Mbits/sec
12	27.00-28.00	sec	10.0	Mbytes	83.9	Mbits/sec
SUM	27.00-28.00	sec	41.6	Mbytes	349	Mbits/sec
4	28.00-29.00	sec	7.00	Mbytes	58.6	Mbits/sec
6	28.00-29.00	sec	7.00	Mbytes	58.6	Mbits/sec
8	28.00-29.00	sec	7.88	Mbytes	65.9	Mbits/sec
10	28.00-29.00	sec	8.50	Mbytes	71.2	Mbits/sec
12	28.00-29.00	sec	9.82	Mbytes	80.6	Mbits/sec
SUM	28.00-29.00	sec	40.0	Mbytes	335	Mbits/sec
4	29.00-30.00	sec	7.25	Mbytes	60.9	Mbits/sec
6	29.00-30.00	sec	7.00	Mbytes	58.6	Mbits/sec
8	29.00-30.00	sec	7.82	Mbytes	64.1	Mbits/sec
10	29.00-30.00	sec	8.75	Mbytes	73.5	Mbits/sec
12	29.00-30.00	sec	9.88	Mbytes	83.0	Mbits/sec
SUM	29.00-30.00	sec	40.5	Mbytes	340	Mbits/sec
ID	Interval	Transfer	Bandwidth			
4	0.00-30.00	sec	157	Mbytes	46.7	Mbits/sec
6	0.00-30.00	sec	157	Mbytes	46.6	Mbits/sec
8	0.00-30.00	sec	353	Mbytes	98.8	Mbits/sec
9	0.00-30.00	sec	353	Mbytes	98.7	Mbits/sec
10	0.00-30.00	sec	191	Mbytes	53.4	Mbits/sec
11	0.00-30.00	sec	190	Mbytes	53.3	Mbits/sec
12	0.00-30.00	sec	212	Mbytes	59.3	Mbits/sec
13	0.00-30.00	sec	212	Mbytes	59.2	Mbits/sec
14	0.00-30.00	sec	243	Mbytes	67.9	Mbits/sec
15	0.00-30.00	sec	243	Mbytes	67.9	Mbits/sec
16	0.00-30.00	sec	1.14	Gbytes	326	Mbits/sec
17	0.00-30.00	sec	1.14	Gbytes	326	Mbits/sec

10	26.00-27.0
----	------------

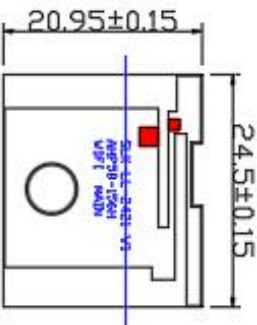
5-4.WIFI +BT Antenna Gain/Efficiency/Radiation Pattern of 3D

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-5.30	1.50	29.54
2410	-5.22	1.42	30.04
2420	-5.17	1.46	30.41
2430	-5.12	1.26	30.77
2440	-4.85	1.55	32.70
2450	-5.14	1.20	30.63
2460	-5.13	1.41	30.68
2470	-5.15	1.71	30.56
2480	-5.33	1.18	29.31
2490	-5.20	1.51	30.18
2500	-5.29	0.99	29.55
5150	-5.04	1.26	31.34
5350	-5.17	2.19	30.38
5550	-5.40	2.40	28.86
5750	-5.30	1.96	29.50
5850	-4.91	1.28	32.28



6. Antenna Dimensions (unit: mm)

Document number		SLK-LL-242I-R-30IV-B		Company: mm		Edition	Sign Change description	DATE
						A1	New material	24-12-2




Black 0.81 wire, four generation terminals

Technical requirements:

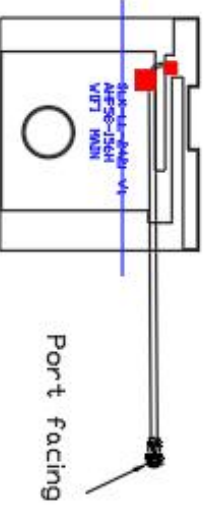
1. FPC base material: Pi, the shaded part is copper foil, and black oil is on the front surface.
2. plate thickness half and half, back glue model: 3M300.
3. Copper exposed in red part: The surface shall be free of oil, impurities, burrs, etc.
4. Cut off the release paper by hand to avoid damaging the line.
5. Important dimensions shall be marked with "*" (the mold shall be controlled during manufacturing and must be measured during mold acceptance):
6. Cable cable is Black 0.81 wire, line length 30MM four generation terminals

Design	Calligraphy	Name	Customer Item No
To examine	wen xue hu		
Approval	Zhen huanq		

Weight	quantity	proportion
		1:1

Sheet 1 of 1

Shenzhen Yishengbang Electronics Co., Ltd



Port facing down