



Declaration of Acceptance

SPECIFICATION FOR APPROVAL

Specification Model/Description: AHP58-156H-TBD

material code : _____

Manufacturer part number: WIFI AUX: SLK-LL-2217-M-280IV-G

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 AUX: SLK-LL-2217-M-280IV-G

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):					

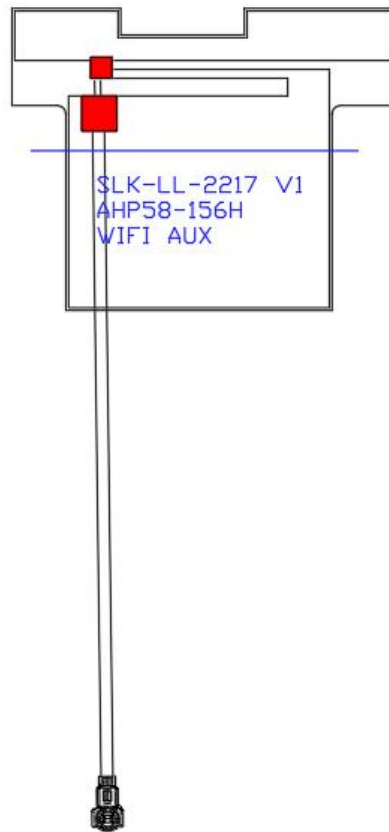
Supplier name: Shenzhen Yishengbang Technology Co., Ltd.

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 AUX

1. Explanation of Product number :



Product Code:

- (1) Customer: Six copies
- (2) Antenna Name: WIFI Antenna
- (3) Connector: 0.81mm gray low-loss wire, total length 280mm, 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	21.8x17.1x0.12	mm
Center Frequency	2.4-2.5+5.15-5.85	GHz
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	

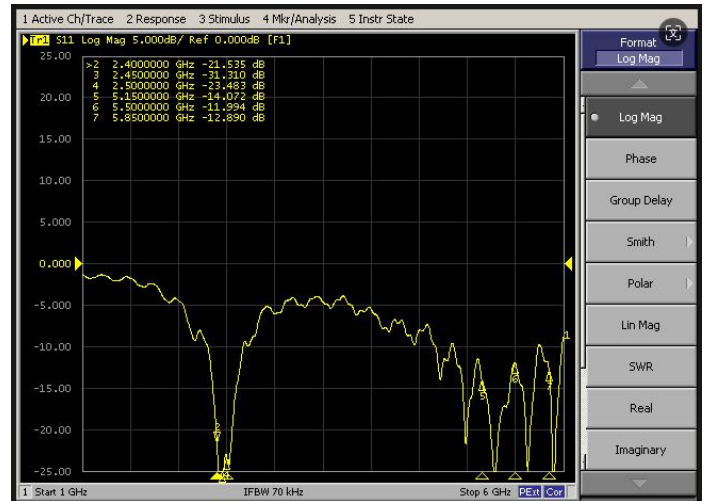
5-2.

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	5.00 MBytes	50.0 Mbits/sec
12	26.00-27.00	sec	5.11 MBytes	51.3 Mbits/sec
SUM	26.00-27.00	sec	5.38 MBytes	49.3 Mbits/sec
4	27.00-28.00	sec	31.8 MBytes	267 Mbits/sec
6	27.00-28.00	sec	5.75 MBytes	48.2 Mbits/sec
8	27.00-28.00	sec	5.43 MBytes	45.6 Mbits/sec
10	27.00-28.00	sec	5.38 MBytes	45.1 Mbits/sec
12	27.00-28.00	sec	4.96 MBytes	41.6 Mbits/sec
SUM	27.00-28.00	sec	4.62 MBytes	38.8 Mbits/sec
4	28.00-29.00	sec	26.1 MBytes	219 Mbits/sec
6	28.00-29.00	sec	5.56 MBytes	46.7 Mbits/sec
8	28.00-29.00	sec	5.38 MBytes	45.1 Mbits/sec
10	28.00-29.00	sec	5.25 MBytes	44.0 Mbits/sec
12	28.00-29.00	sec	4.42 MBytes	37.1 Mbits/sec
SUM	28.00-29.00	sec	4.38 MBytes	36.7 Mbits/sec
4	29.00-30.00	sec	25.0 MBytes	210 Mbits/sec
6	29.00-30.00	sec	7.94 MBytes	66.6 Mbits/sec
8	29.00-30.00	sec	7.24 MBytes	60.7 Mbits/sec
10	29.00-30.00	sec	6.81 MBytes	57.1 Mbits/sec
12	29.00-30.00	sec	6.50 MBytes	54.5 Mbits/sec
SUM	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
10	0.00-30.00	sec	200 MBytes	55.8 Mbits/sec
12	0.00-30.00	sec	188 MBytes	52.6 Mbits/sec
SUM	0.00-30.00	sec	188 MBytes	52.6 Mbits/sec
4	0.00-30.00	sec	179 MBytes	50.1 Mbits/sec
6	0.00-30.00	sec	179 MBytes	50.0 Mbits/sec
8	0.00-30.00	sec	173 MBytes	48.3 Mbits/sec
10	0.00-30.00	sec	173 MBytes	48.3 Mbits/sec
12	0.00-30.00	sec	173 MBytes	48.3 Mbits/sec
SUM	0.00-30.00	sec	952 MBytes	266 Mbits/sec
SUM	0.00-30.00	sec	952 MBytes	266 Mbits/sec

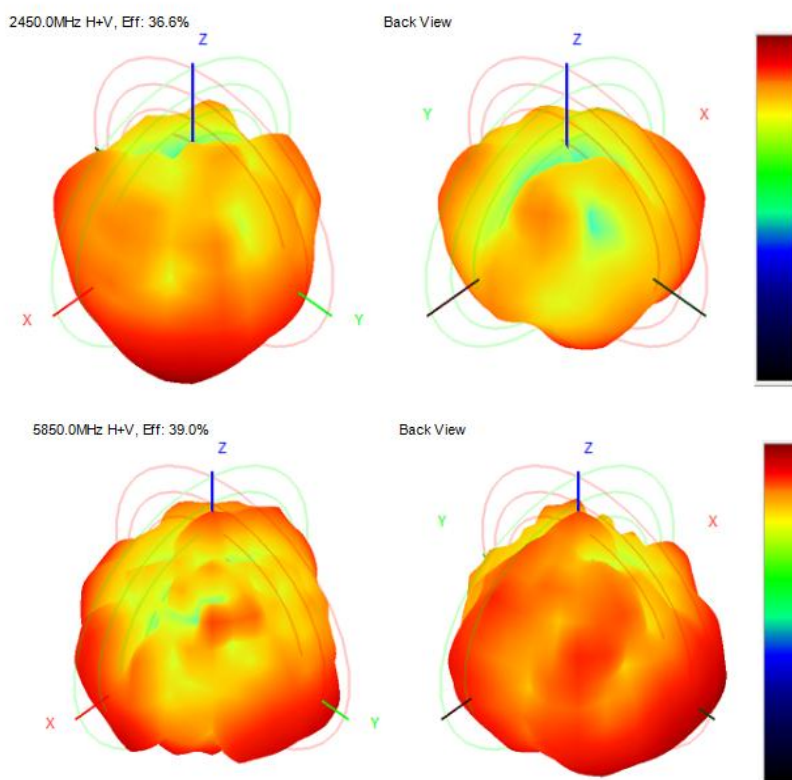
8	26.00-27.00	sec	15.9 MBytes	133 Mbits/sec
10	26.00-27.00	sec	5.12 MBytes	43.1 Mbits/sec
12	26.00-27.00	sec	4.75 MBytes	39.9 Mbits/sec
SUM	26.00-27.00	sec	36.8 MBytes	309 Mbits/sec
4	27.00-28.00	sec	5.12 MBytes	43.0 Mbits/sec
6	27.00-28.00	sec	5.38 MBytes	45.1 Mbits/sec
8	27.00-28.00	sec	15.8 MBytes	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
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
10	0.00-30.00	sec	123 MBytes	34.4 Mbits/sec
12	0.00-30.00	sec	544 MBytes	152 Mbits/sec
SUM	0.00-30.00	sec	543 MBytes	152 Mbits/sec
4	0.00-30.00	sec	116 MBytes	32.3 Mbits/sec
6	0.00-30.00	sec	115 MBytes	32.1 Mbits/sec
8	0.00-30.00	sec	111 MBytes	31.1 Mbits/sec
10	0.00-30.00	sec	111 MBytes	30.9 Mbits/sec
12	0.00-30.00	sec	1018 MBytes	285 Mbits/sec
SUM	0.00-30.00	sec	1015 MBytes	284 Mbits/sec
SUM	0.00-30.00	sec	1015 MBytes	284 Mbits/sec

8	26.00-27.00	sec	7.75 MBytes	65.0 Mbits/sec
10	26.00-27.00	sec	8.50 MBytes	71.3 Mbits/sec
12	26.00-27.00	sec	9.38 MBytes	78.7 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	9.42 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	58.8 Mbits/sec
8	29.00-30.00	sec	7.32 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	167 MBytes	46.7 Mbits/sec
6	0.00-30.00	sec	167 MBytes	46.6 Mbits/sec
8	0.00-30.00	sec	353 MBytes	98.8 Mbits/sec
10	0.00-30.00	sec	353 MBytes	98.7 Mbits/sec
12	0.00-30.00	sec	191 MBytes	53.4 Mbits/sec
SUM	0.00-30.00	sec	190 MBytes	53.3 Mbits/sec
4	0.00-30.00	sec	212 MBytes	59.3 Mbits/sec
6	0.00-30.00	sec	212 MBytes	59.2 Mbits/sec
8	0.00-30.00	sec	243 MBytes	68.1 Mbits/sec
10	0.00-30.00	sec	243 MBytes	67.9 Mbits/sec
12	0.00-30.00	sec	242 MBytes	67.9 Mbits/sec
SUM	0.00-30.00	sec	1.14 GBytes	326 Mbits/sec
SUM	0.00-30.00	sec	1.14 GBytes	326 Mbits/sec

8	26.00-27.00	sec	8.00 MBytes	67.1 Mbits/sec
10	26.00-27.00	sec	8.12 MBytes	68.1 Mbits/sec
12	26.00-27.00	sec	8.25 MBytes	69.2 Mbits/sec
SUM	26.00-27.00	sec	40.6 MBytes	341 Mbits/sec
4	27.00-28.00	sec	8.13 MBytes	68.2 Mbits/sec
6	27.00-28.00	sec	8.25 MBytes	69.2 Mbits/sec
8	27.00-28.00	sec	8.12 MBytes	68.2 Mbits/sec
10	27.00-28.00	sec	8.12 MBytes	68.2 Mbits/sec
12	27.00-28.00	sec	8.00 MBytes	67.1 Mbits/sec
SUM	27.00-28.00	sec	40.6 MBytes	341 Mbits/sec
4	28.00-29.00	sec	8.24 MBytes	69.1 Mbits/sec
6	28.00-29.00	sec	8.12 MBytes	68.1 Mbits/sec
8	28.00-29.00	sec	8.12 MBytes	68.1 Mbits/sec
10	28.00-29.00	sec	8.11 MBytes	68.0 Mbits/sec
12	28.00-29.00	sec	8.00 MBytes	67.1 Mbits/sec
SUM	28.00-29.00	sec	40.6 MBytes	340 Mbits/sec
4	29.00-30.00	sec	8.12 MBytes	68.2 Mbits/sec
6	29.00-30.00	sec	8.12 MBytes	68.2 Mbits/sec
8	29.00-30.00	sec	8.25 MBytes	69.2 Mbits/sec
10	29.00-30.00	sec	8.03 MBytes	67.4 Mbits/sec
12	29.00-30.00	sec	8.12 MBytes	68.2 Mbits/sec
SUM	29.00-30.00	sec	40.7 MBytes	341 Mbits/sec
ID	Interval	Transfer	Bandwidth	
4	0.00-30.00	sec	246 MBytes	68.8 Mbits/sec
6	0.00-30.00	sec	246 MBytes	68.7 Mbits/sec
8	0.00-30.00	sec	245 MBytes	68.4 Mbits/sec
10	0.00-30.00	sec	244 MBytes	68.4 Mbits/sec
12	0.00-30.00	sec	244 MBytes	68.2 Mbits/sec
SUM	0.00-30.00	sec	244 MBytes	68.2 Mbits/sec
4	0.00-30.00	sec	243 MBytes	68.0 Mbits/sec
6	0.00-30.00	sec	243 MBytes	68.0 Mbits/sec
8	0.00-30.00	sec	242 MBytes	67.6 Mbits/sec
10	0.00-30.00	sec	242 MBytes	67.6 Mbits/sec
12	0.00-30.00	sec	242 MBytes	67.6 Mbits/sec
SUM	0.00-30.00	sec	1.19 GBytes	341 Mbits/sec
SUM	0.00-30.00	sec	1.19 GBytes	341 Mbits/sec

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

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-4.64	1.15	34.39
2410	-4.36	1.45	36.68
2420	-4.33	1.49	36.93
2430	-4.19	1.62	38.10
2440	-4.25	1.49	37.54
2450	-4.36	1.19	36.65
2460	-4.48	1.94	35.65
2470	-4.47	1.98	35.77
2480	-4.46	1.98	35.85
2490	-4.53	1.81	35.20
2500	-4.77	1.61	33.32
5150	-5.44	0.68	28.57
5350	-5.18	0.82	30.37
5550	-5.75	0.95	26.62
5750	-5.33	0.91	29.31
5850	-4.09	1.63	38.97



6. Antenna Dimensions (unit: mm)

