

SPECIFICATION

SHEET FOR APPROVAL

(Revision: V2)

CUSTOMER(客户名称)	Yuwell		
CS P/N(客户机种)	Ventilator		
PART NAME(品名)	WIFI Antenna		
FREQUENCY(频率)	2400-2500MHz		
CUSTOMER P.N.(客户物料号)			
SUPPLIER PN.(供应商物料编号)	1Y013A		
DATE(日期)	2022-9-22		
CUSTOMER SIGNED			
QA CHECKED	ME CHECKED	RFCHECKED	MANAGER CHECKED

Remark(备注):

Sign(客户确认签字盖章):

SHANGHAI DEEPFAST TECHNOLOGY CO., LTD				
MANAGER CHECKED	MANAGER CHECKED	ME CHECKED	RF CHECKED	LISTER



DEEP FAST
上海深迅通信技术有限公司

Catalogue

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1. Summarize

Type: WIFI Antenna
Material: FPC+cable

2. Test Equipment

France Satimo SG24 OTA
E5071C

3. Test data:

Active:

Test 1: Non-operating state

Standard	Band	Channel	TRP	TIS
WIFI_B	B_11M	1	11.53	77.92
		6	12.24	76.06
		13	12.3	76.26
WIFI_G	G_54M	1	11.74	68.13
		6	12.39	67.38
		13	12.72	66.27
WIFI_N	N_65M	1	11.77	68.11
		6	12.38	67.62
		13	12.73	66.08

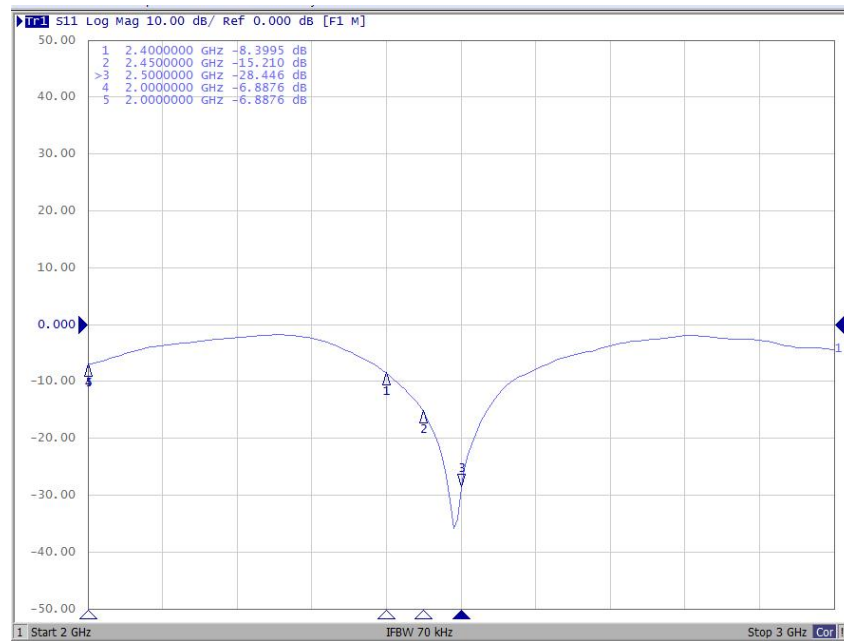
Test 2: Pattern:cpap Pressure numerical: 4-20

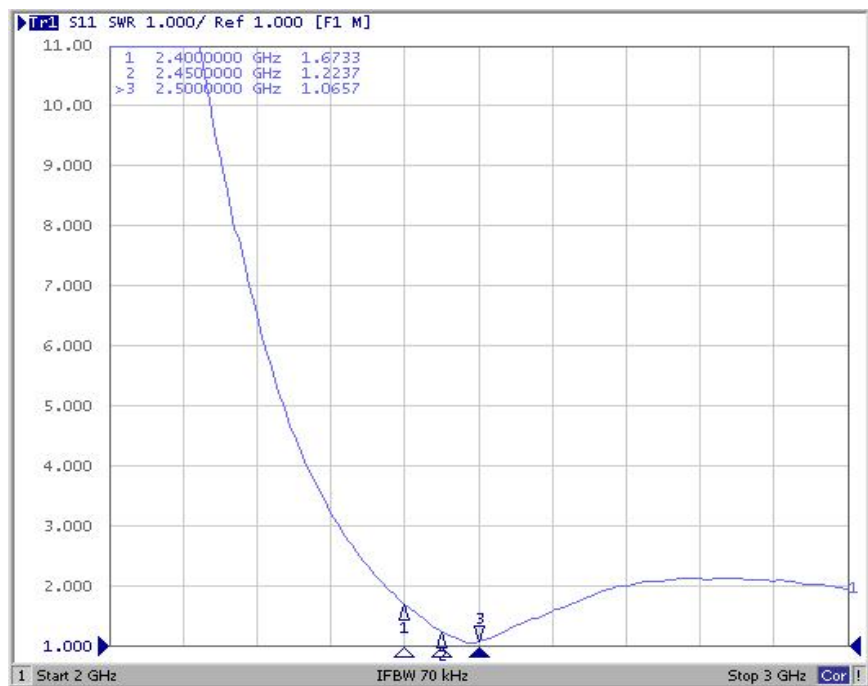
Standard	Band	Channel	TRP	TIS
WIFI_B	B_11M	1	12.05	76.78
		6	12.76	75.92
		13	12.28	75.29
WIFI_G	G_54M	1	11.75	66.26
		6	11.36	65.85
		13	11.78	64.17
WIFI_N	N_65M	1	11.81	67.61
		6	12.39	67.33
		13	12.81	65.77

Test 2: Pattern:T Pressure numerical: 5-30

Standard	Band	Channel	TRP	TIS
WIFI_B	B_11M	1	12.07	76.78
		6	12.28	76.12
		13	12.26	75.66
WIFI_G	G_54M	1	11.64	66.31
		6	11.69	66.17
		13	12.07	64.61
WIFI_N	N_65M	1	11.98	66.23
		6	12.6	66.27
		13	12.9	64.82

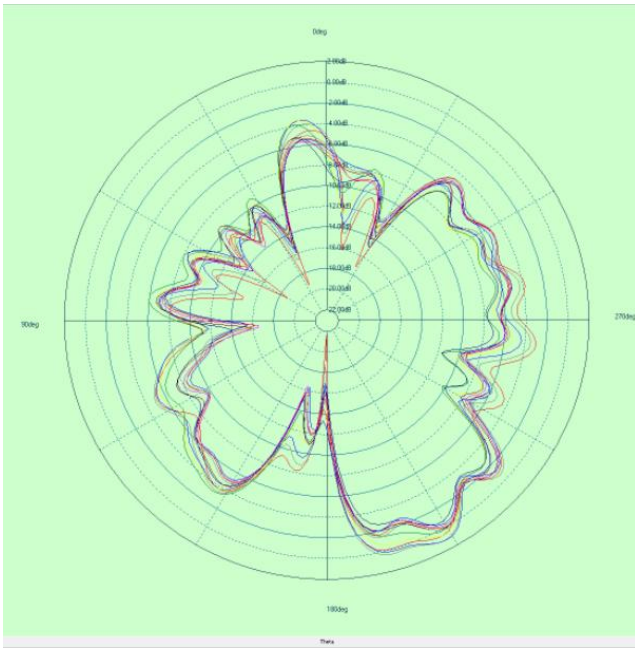
Passive:



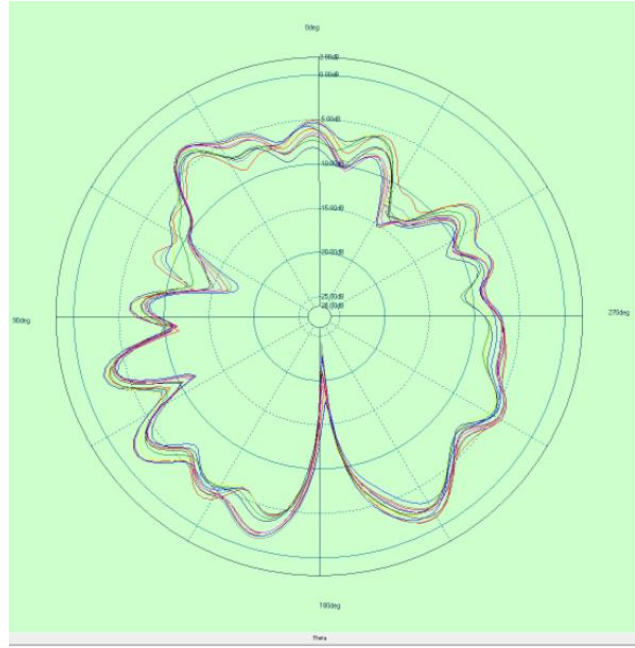


Frequency	Efficiency	Efficiency . dB	Gain . dB
2.40E+09	48%	-3.17	2.50
2.41E+09	49%	-3.12	2.42
2.42E+09	49%	-3.09	2.37
2.43E+09	50%	-2.99	2.51
2.44E+09	51%	-2.92	2.78
2.45E+09	55%	-2.59	3.26
2.46E+09	56%	-2.54	3.31
2.47E+09	60%	-2.21	3.54
2.48E+09	63%	-2.01	3.70
2.49E+09	63%	-1.98	3.77
2.50E+09	64%	-1.95	3.91

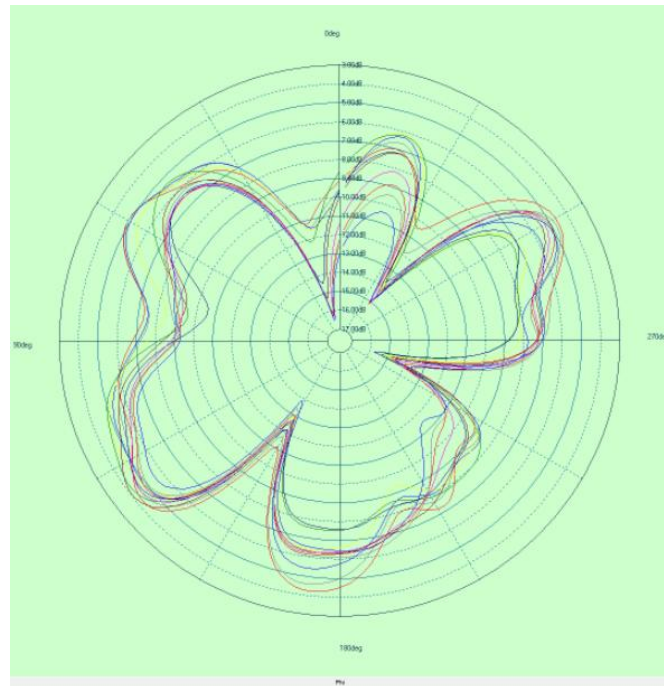
E1



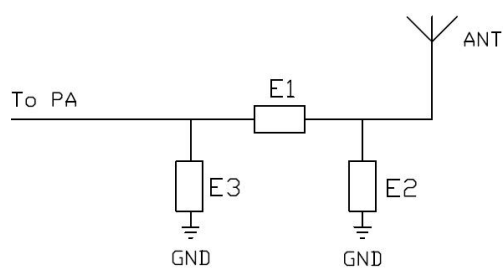
E2



H



4. Match



Match	WIFI
E1	0 Ω
E2	NC
E3	NC

5. Engineering Drawing

6. Test Report

 JEEP FAST 上海深迅通信技术有限公司														Test Report	
Customer		Yuwell		Part Name			WIFI Antenna		Quality		10pcs				
Material		FPC+cable		Color			Black		Date		2022.09.22				
NO	Required size	Measured Size										Result	Remark		
		1	2	3	4	5	6	7	8	9	10				
1	13.5±0.2	13.55	13.45	13.52	13.54	13.47	13.53	13.46	13.52	13.46	13.44	OK			
2	15±0.2	14.96	15.02	14.96	14.97	15.04	14.98	15.05	15.03	14.98	14.96	OK			
3	133±1	133.34	133.36	132.84	133.14	132.94	133.12	132.64	132.78	132.94	133.28	OK			
4	33.95±0.2	34.00	33.90	33.97	33.99	33.92	33.98	33.91	33.97	33.91	33.89	OK			
5	7±0.2	7.00	7.01	7.02	7.03	7.00	7.00	7.01	7.00	6.99	6.97	OK			
6	6.5±0.3	6.50	6.51	6.49	6.49	6.50	6.52	6.51	6.50	6.50	6.48	OK			
7															
8															
9															
10															
Appearance: no bubbles, no dirt, no particles on the surface OK. Adhesion test OK.															
Other: 100 cell test OK															
Judge: ☒ OK ☐ NG															
Approval: 王国均				Audit: 易爱玲				Lister: 韦金苏							

7. Process Capability Index Evaluation Report



Process Capability Index Evaluation Report

Customer:Yuwell									Recognize		Audit		Lister	
Part Name:WIFI Antenna（1Y013A） Date:2022. 9. 22									胡春梅		易爱玲		韦金苏	
No.	SPEC	13. 50		15. 00		133. 00		33. 95						Remark
		0. 20	0. 20	0. 20	0. 20	1. 00	1. 00	0. 20	0. 20					
1		13. 55		14. 96		133. 34		34. 00						Mass production can be carried out under the condition that CPK values are "satisfied", but the inspection needs to be strengthened. 2. Under the condition that CPK value is "very satisfied", sampling inspection can be carried out during mass production. 3. If one of the CPK values does not meet the requirement of "meet", the reasons should be analyzed and improved.
2		13. 45		15. 02		133. 36		33. 90						
3		13. 52		14. 96		132. 84		33. 97						
4		13. 54		14. 97		133. 14		33. 99						
5		13. 47		15. 04		132. 94		33. 92						
6		13. 53		14. 98		133. 12		33. 98						
7		13. 46		15. 05		132. 64		33. 91						
8		13. 52		15. 03		132. 78		33. 97						
9		13. 46		14. 98		132. 94		33. 91						
10		13. 44		14. 96		133. 28		33. 89						
11		13. 54		15. 05		132. 66		33. 99						
12		13. 51		14. 95		133. 26		33. 96						
13		13. 53		15. 02		133. 08		33. 98						
14		13. 44		15. 04		133. 04		33. 89						
15		13. 54		14. 97		132. 96		33. 99						
16		13. 47		15. 03		133. 20		33. 92						
17		13. 54		14. 94		132. 99		33. 99						
18		13. 48		15. 04		132. 66		33. 93						
19		13. 55		15. 01		133. 32		34. 00						
20		13. 47		15. 03		133. 16		33. 92						
21		13. 49		14. 94		132. 96		33. 94						
22		13. 47		15. 04		133. 02		33. 92						
23		13. 45		14. 97		132. 90		33. 90						
24		13. 52		15. 01		133. 10		33. 97						
25		13. 53		15. 06		132. 98		33. 98						
26		13. 48		15. 00		133. 06		33. 93						
27		13. 46		14. 96		132. 84		33. 91						
28		13. 47		14. 97		133. 00		33. 92						
29		13. 51		14. 99		132. 92		33. 96						
30		13. 56		14. 97		133. 18		34. 01						
31		13. 50		14. 95		133. 02		33. 95						
32		13. 46		15. 03		133. 00		33. 90						
MAX		13. 56		15. 06		133. 36		34. 01						
MIN		13. 44		14. 94		132. 64		33. 89						
X		13. 50		15. 00		133. 02		33. 95						
M		13. 70		15. 20		134. 00		34. 15						
CP		1. 793		1. 782		1. 753		1. 776						
SN-1		0. 037		0. 037		0. 190		0. 038						
K		0. 0141		0. 0125		0. 0216		0. 0156						
CPK/Judge	1. 768	very satisfied		1. 759	very satisfied		1. 715	very satisfied		1. 748	very satisfied			
Judge:	The CPK value "very well meets" the production conditions and can be used for mass production.													

8. Salt Spray Reliability Test Report

 JEEP FAST 上海深迅通信技术有限公司					
Salt Spray Reliability Test Report					
Customer	Yuwell	Part Name	WIFI Antenna	Date	2022/09/23
Material	FPC+cable	Time	48H	Quality	3PCS
Time	Test Condition	Test Standard		Result	Remark
0-6 hours	Salt spray tester: salt solution: NaCl (anhydrous); Concentration of 5% plus or minus 1%; PH value: 6.5 ~ 7.2; Laboratory temperature: 32-38℃; Compressed air pressure :1.0±0.01 (KG/M2) spray volume :1.0 ~ 2.0ML/80CM2/H. Relative humidity :85%±2%; Test product placement Angle :30 degrees +/-10 degrees; Duration of salt spray: 48h	Product surface without rust, oxidation, corrosion, plating (coating) layer off and other adverse phenomena		ok	2022. 9. 18 15: 00 start
6-12 hours		Product surface without rust, oxidation, corrosion, plating (coating) layer off and other adverse phenomena		ok	
12-18 hours		Product surface without rust, oxidation, corrosion, plating (coating) layer off and other adverse phenomena		ok	
18-24 hours		Product surface without rust, oxidation, corrosion, plating (coating) layer off and other adverse phenomena		ok	
24-30 hours		Product surface without rust, oxidation, corrosion, plating (coating) layer off and other adverse phenomena		ok	
30-36 hours		Product surface without rust, oxidation, corrosion, plating (coating) layer off and other adverse phenomena		ok	
36-42 hours		Product surface without rust, oxidation, corrosion, plating (coating) layer off and other adverse phenomena		ok	
42-48 hours		Product surface without rust, oxidation, corrosion, plating (coating) layer off and other adverse phenomena		ok	2022. 9. 21 18: 00 end
48 hours and more		Product surface without rust, oxidation, corrosion, plating (coating) layer off ≤ 1% product area			
Judge	OK				
Lister	韦金苏	Audit	易爱玲	Recognize	胡春梅

9. Packing Operation Instruction