

SPECIFICATION

SHEET FOR APPROVAL

(Revision: V1)

CUSTOMER(客户名称)			
CS P/N(客户机种)	BC7WU		
PART NAME(品名)	WIFI Antenna		
FREQUENCY(频率)	2400-2500 5150-5850MHz		
SUPPLIER PN. (供应商物料编号)	17I017A		
DATE(日期)	2026-1-23		
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

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Catalogue

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1. Summarize

Type: WIFI Antenna

Material: FPC

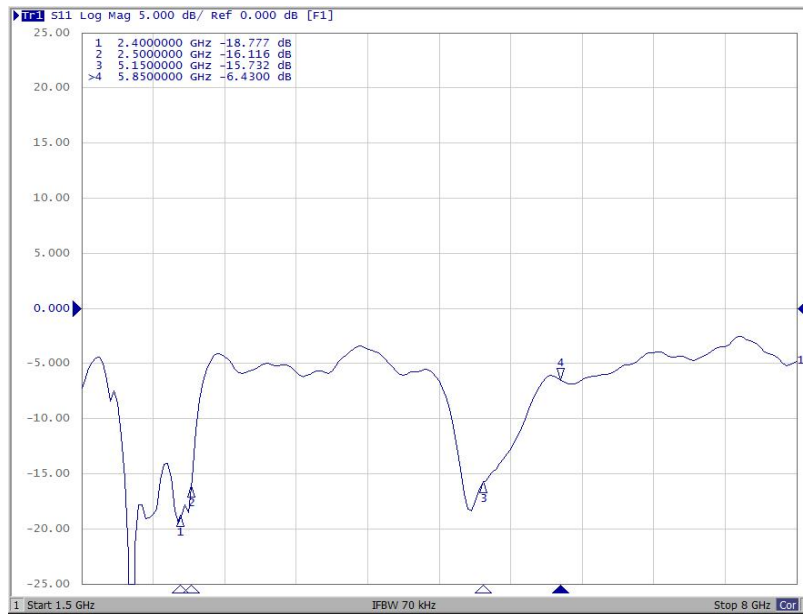
2. Test Equipment

France Satimo SG24 OTA

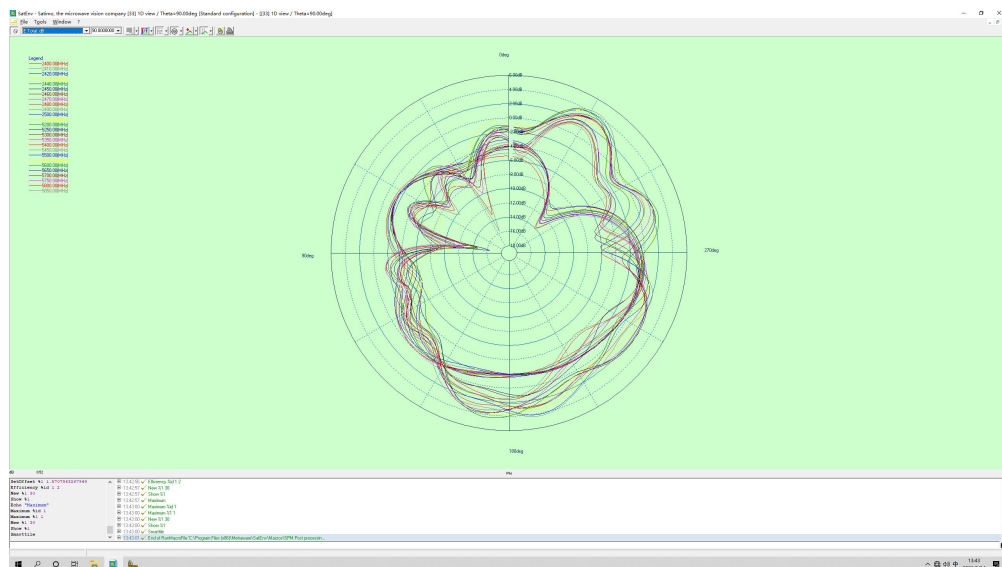
E5071C

3. Test data:

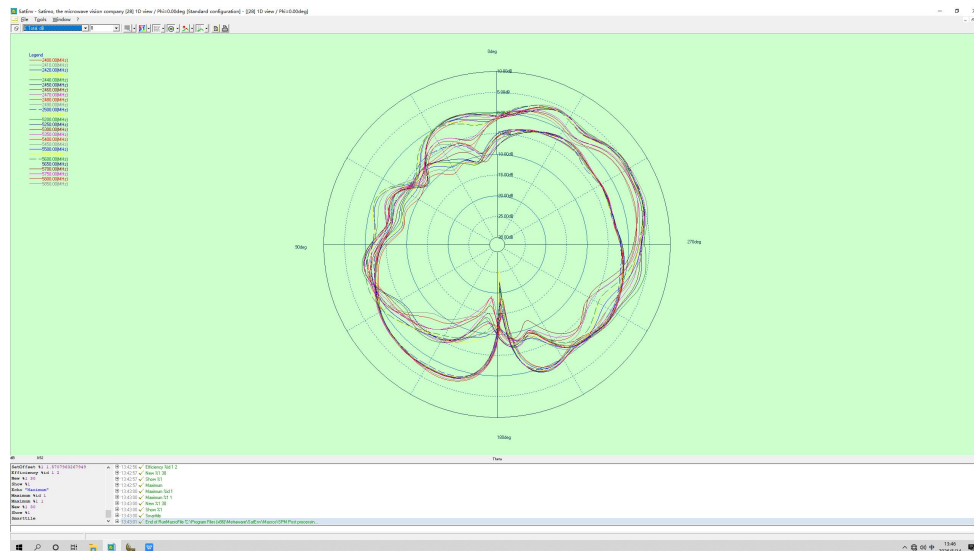
Passive:



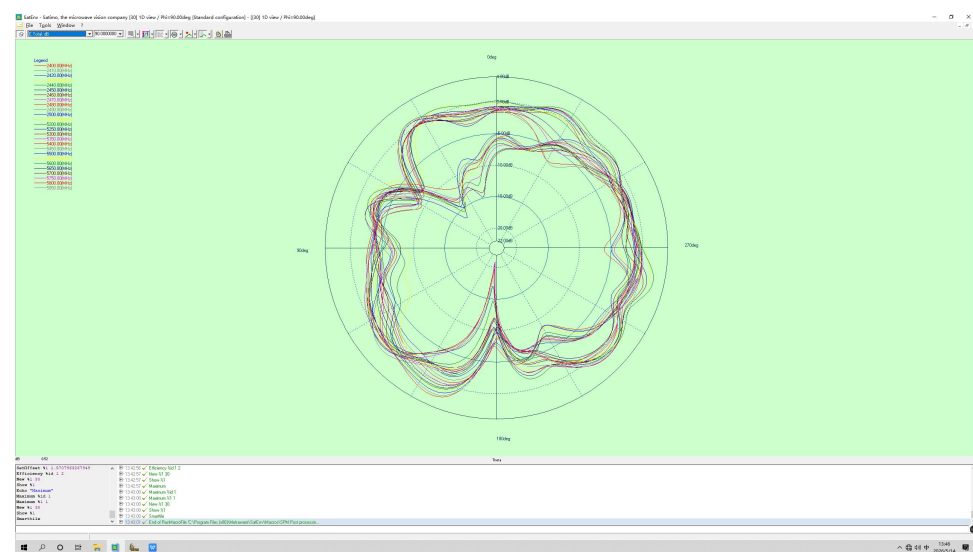
H-Face



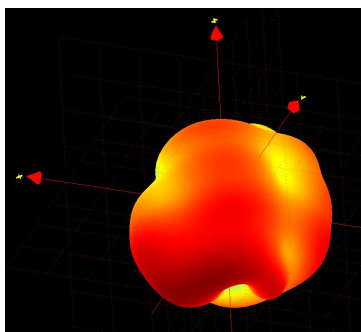
E1



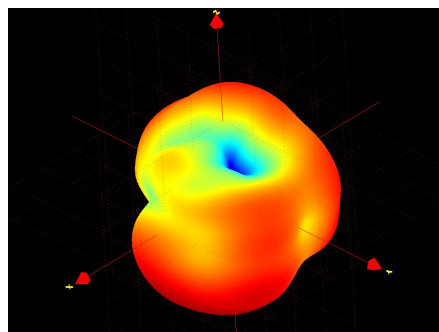
E2



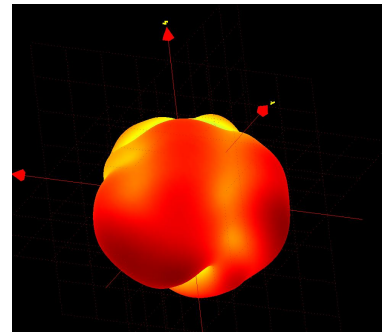
2400MHZ

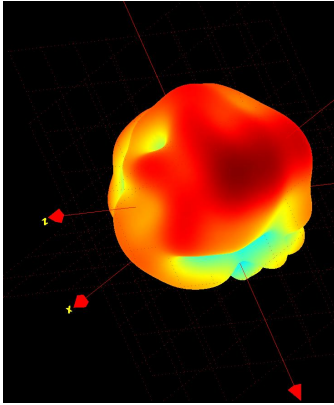
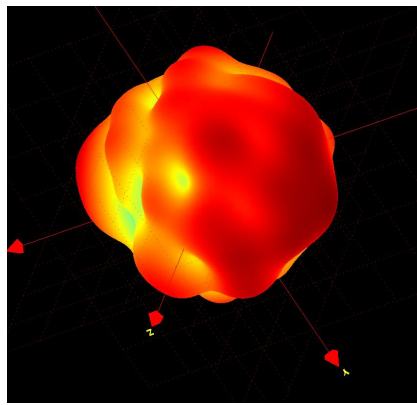
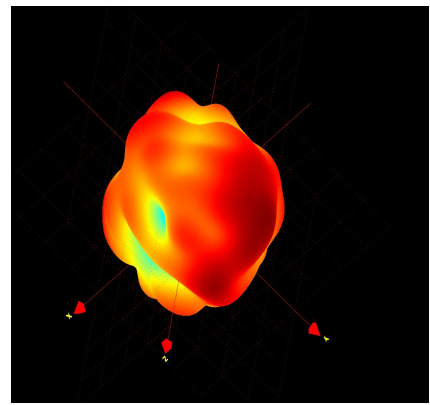


2450MHZ



2500MHZ



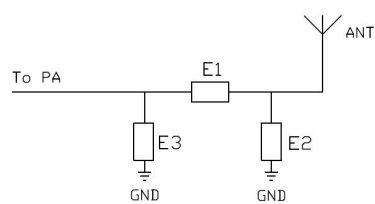
5150MHZ**5550MHZ****5850MHZ**

Frequency	Efficiency	Gain . dB	Frequency	Efficiency	Gain . dB
2400	48%	2. 63	5150	34%	1. 42
2410	51%	2. 65	5170	36%	1. 32
2420	51%	2. 64	5190	37%	1. 27
2430	52%	2. 59	5210	39%	1. 15
2440	53%	2. 60	5230	40%	1. 55
2450	53%	2. 54	5250	40%	1. 75
2460	53%	2. 37	5270	41%	1. 89
2470	53%	2. 18	5290	43%	2. 24
2480	53%	1. 94	5310	44%	2. 45
2490	52%	1. 58	5330	45%	2. 63
2500	51%	1. 20	5350	45%	2. 53
			5370	44%	2. 31
			5390	45%	2. 46
			5410	45%	2. 57
			5430	46%	2. 74
			5450	46%	2. 68
			5470	44%	2. 30
			5490	43%	1. 87
			5510	42%	1. 80
			5530	42%	1. 82
			5550	43%	1. 97
			5570	44%	1. 96
			5590	42%	1. 59
			5610	41%	1. 24
			5630	39%	0. 86
			5650	40%	0. 77
			5670	41%	0. 74
			5690	41%	0. 54
			5710	41%	0. 10
			5730	40%	-0. 07
			5750	40%	-0. 13
			5770	40%	-0. 07
			5790	42%	0. 19
			5810	41%	0. 20
			5830	39%	0. 03

Active:

BAND	CHANNEL	TRP	TIS
11b	1	18.29	-83.99
	6	18.23	-84.31
	11	18.5	-84.18
11a	36	16.93	-75.66
	100	15.5	-74.57
	165	16.86	-75.56

4. Match

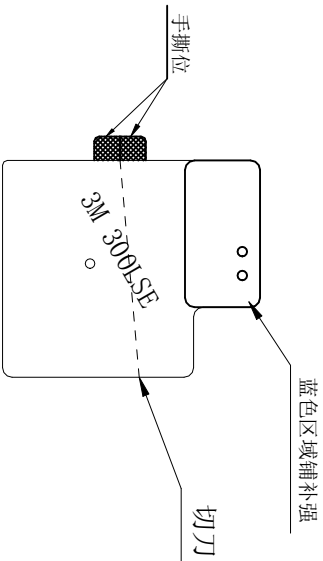
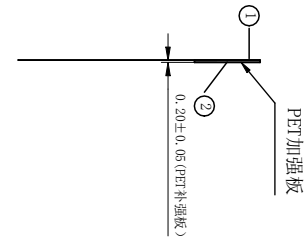
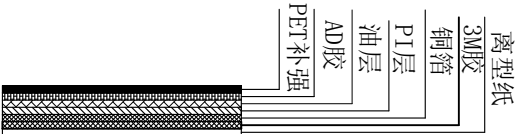


Match	WIFI
E1	0 Ω
E2	NC
E3	NC

5. Engineering Drawing



Rev	Description	Designed	Date
版本	描述	制图	日期
T1	首次发行	JASON	2026.01.06



白色字符

- 铜箔
- 镀金
- 产品外形
- 离型纸开槽位

- 备注:
- 图中所标注尺寸为IQC必测尺寸，加*尺寸为CPK管控尺寸。
 - 线路采用丝印工艺。
 - 字码采用丝印工艺，白色丝印。
 - 包装方式（整版出货）。
 - 外形需冲切光滑平顺、且不能冲切到内部线路。
 - 产品表面不能有锡珠、脏污、露铜、气泡等不良问题。
 - 要求过盐雾测试48小时不能出现氧化现象。
 - FPC天线成品未经过DEEFAST公司确认，材料不能随意更改。

材质要求:

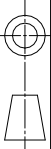
- 单面电解铜
- 表面涂哑光黑油 T=20um 优利
- 铜箔 T=18um 蔡伦格蒂
- AD胶 T=13um
- PI层 T=12.5um 补强PET=200um
- 双面胶 3M9471 T=50um
- 镀金 ≥0.03um
- 离型纸 T=100um



上海深迅通信技术有限公司

Shanghai DEEFAST Communication Technology Co., Ltd.

General Tolerance		Date	Unit	Rev	Scale	Project Name
Dim	Grade	日期:	单位: mm	版本: T1	比例: 1:1	项目名称: BC7WU
5-10	A	2026.01.06	设计: JASON			产品名称: WIFI天线
10-20	B		材料: FPC			物料编码: 171017A
20-40			工艺: 射频: 刘祥			Drawing Number
40>			Approval 批准:			图纸编号: DP-QR-RD-013



6. Test Report



JEEP FAST
上海深迅通信技术有限公司

Test Report

Customer		BC7WU		Part Name		WIFI Antenna		Quality		10pcs			
Material		FPC		Color		Black		Date		2026. 1. 23			
NO	Required size	Measured Size										Result	Remark
		1	2	3	4	5	6	7	8	9	10		
1	22. 7±0. 3	22. 66	22. 67	22. 62	22. 63	22. 68	22. 72	22. 71	22. 78	22. 74	22. 76	OK	
2	26. 96±0. 3	27. 03	26. 96	27. 04	26. 94	26. 98	26. 89	27	26. 88	27. 05	26. 9	OK	
3	0. 2±0. 05	0. 20	0. 20	0. 20	0. 21	0. 20	0. 20	0. 20	0. 19	0. 20	0. 20	OK	
4													
5													
6													
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:BC7WU								Recognize		Audit		Lister	
Part Name:WIFI Antenna (17I017A) Date:2026.1.23								胡春梅		易爱玲		韦金苏	
NO.	SPEC	22.70		26.96									
		0.30	0.30	0.30	0.30								
1		22.66		27.03									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		22.67		26.96									
3		22.62		27.04									
4		22.63		26.94									
5		22.68		26.98									
6		22.72		26.89									
7		22.71		27.00									
8		22.78		26.88									
9		22.74		27.05									
10		22.76		26.90									
11		22.69		27.03									
12		22.73		26.88									
13		22.67		26.96									
14		22.72		26.89									
15		22.79		26.99									
16		22.65		26.92									
17		22.64		26.93									
18		22.77		26.88									
19		22.70		26.89									
20		22.78		26.94									
21		22.68		26.98									
22		22.72		26.97									
23		22.63		27.04									
24		22.74		27.00									
25		22.62		27.02									
26		22.79		26.95									
27		22.64		26.99									
28		22.77		26.93									
29		22.62		26.98									
30		22.70		27.05									
31		22.63		26.90									
32		22.73		26.90									
MAX		22.79		27.05									
MIN		22.62		26.88									
X		22.70		26.96									
M		23.00		27.26									
CP		1.792		1.782									
SN-1		0.056		0.056									
K		0.0021		0.0031									
CPK/Judge		1.788	very satisfied	1.776	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	BC7WU	Part Name	WIFI Antenna	Date	2026/1/23
Material	FPC	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	2026. 1. 20 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	2026. 1. 22 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