

Shenzhenshi **Li Tongchuang Technology**
Co., Ltd

Acknowledgement

FIRST ARTICLE REPORT

Customer Name: Meishifu Electronics Co., Ltd.

Customer model: AC 1 7 1

Antenna silk screen: AC171-L-V1.0 AC171-R-V1.0

date: 2024.12.12

Approved by: Kang Zhongzhu

Customer			
quality	confirms	R&D purchase	approval

Please sign a letter of acknowledgment to our company, thank you!

Type: ☐ Sample ☐ First batch ☐ Large quantity

Shenzhenshi Li Tongchuang Technology Co., Ltd
Address: Room 605, 6th Floor, Huashenghui Commercial
Building, No. 10 Jinhai Road, Xixiang Street, Bao'an District, Shenzhen

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1. Testing Tools

Comprehensive tester	Agilent Technologies E5071B & R&S CMW500
darkroom	Atenlab M3
Test Engineer	Zhuang Zhicheng
Temperature	25℃
and humidity	65% (RH)

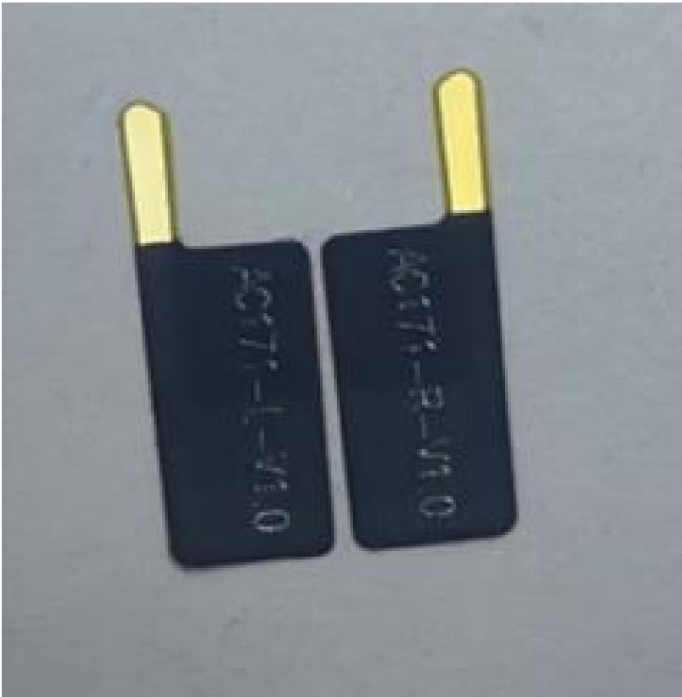


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2. Basic Information

Customer name:	Meishifu Electronics Co., Ltd.
Machine type:	AC171
Antenna frequency	2400MHZ 2485MHZ
band: Antenna	FPC
type: Feed type:	Single Feed
Number of feed	main feed point
pins: Mainboard version number:	

3. Antenna information



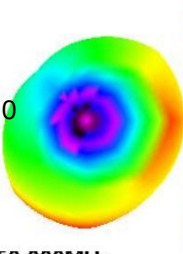
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4. Gain efficiency

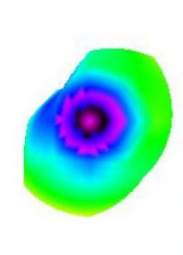
L

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
2400	46.14	-3.36	-1.28	-3.43
2410	42.39	-3.73	-1.51	-3.66
2420	39.91	-3.99	-1.54	-3.69
2430	38.23	-4.18	-1.48	-3.63
2440	38.65	-4.13	-1.3	-3.45
2450	39.7	-4.01	-1.02	-3.17
2460	38.09	-4.19	-1.14	-3.29
2470	34.35	-4.64	-1.38	-3.53
2480	35.45	-4.5	-1.12	-3.27
2490	35.77	-4.46	-1.02	-3.17
2500	34.67	-4.6	-1.12	-3.27

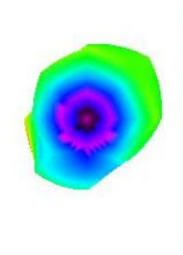
2400.000MHz



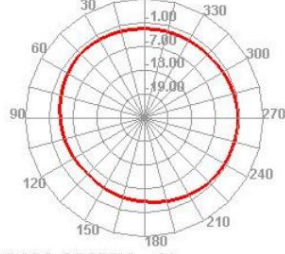
2450.000MHz



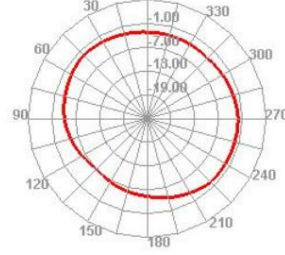
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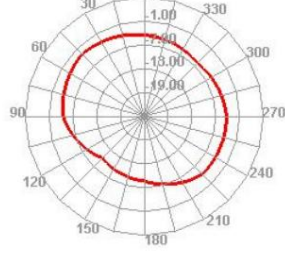
2400.000MHz H



2450.000MHz H



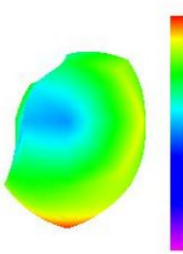
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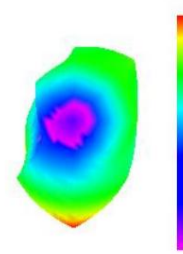
R

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
2400	32.11	-4.93	-1.01	-3.16
2410	30.03	-5.22	-1.32	-3.47
2420	30.92	-5.1	-1.18	-3.33
2430	31.24	-5.05	-1.16	-3.31
2440	31.54	-5.01	-1.02	-3.17
2450	34.87	-4.58	-0.63	-2.78
2460	33.5	-4.75	-0.88	-3.03
2470	33.58	-4.74	-1.19	-3.34
2480	34.84	-4.58	-1.29	-3.44
2490	32.46	-4.89	-1.57	-3.72
2500	33.94	-4.69	-1.44	-3.59

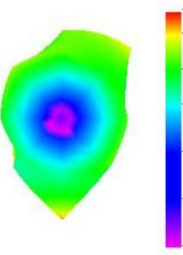
2400.000MHz



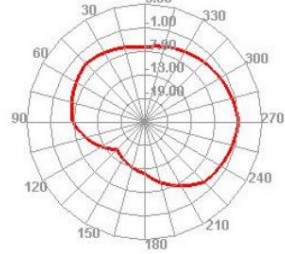
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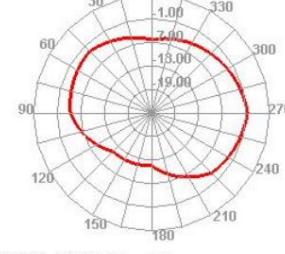
2500.000MHz



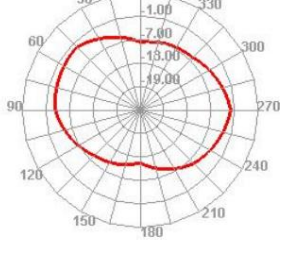
2400.000MHz H



2450.000MHz H



2500.000MHz H



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5. Engineering drawings

