

規格承認書  
Approval Sheet

客戶名稱

Customer Name: Pegatron

產品名稱

Product description: WAP571E 2.4G-3 PIFA ANT

產品型號

Model Name: WAP571E

泓淋料號

Hong Lin P/N: 290-30290

客戶料號

Customer P/N: \_\_\_\_\_

版別

日期

Version: X7 Date: 2015/10/08

| 客戶承認簽印<br>CUSTOMER APPROVED BY           | 供應商承認簽印<br>VENDER APPROVED BY            |
|------------------------------------------|------------------------------------------|
| <br><br><br><br><br><br><br><br><br><br> | <br><br><br><br><br><br><br><br><br><br> |
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| Approval By:                             | Approval By:                             |

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## 1 Specification

### 1.1 Electrical Properties

- 1.1.1 Frequency Range----- 2.4G~2.5G
- 1.1.2 Impedance-----  $50\Omega$
- 1.1.3 VSWR----- 1.92:1
- 1.1.4 Return Loss----- -10dB or Less
- 1.1.5 Peak Gain----- 2.98 dBi
- 1.1.6 Admitted Power----- 1W
- 1.1.7 Cable-----  $\varnothing 1.37$  Low Loss
- 1.1.8 Antenna Type----- Metal Type

### 1.2 Physical Properties

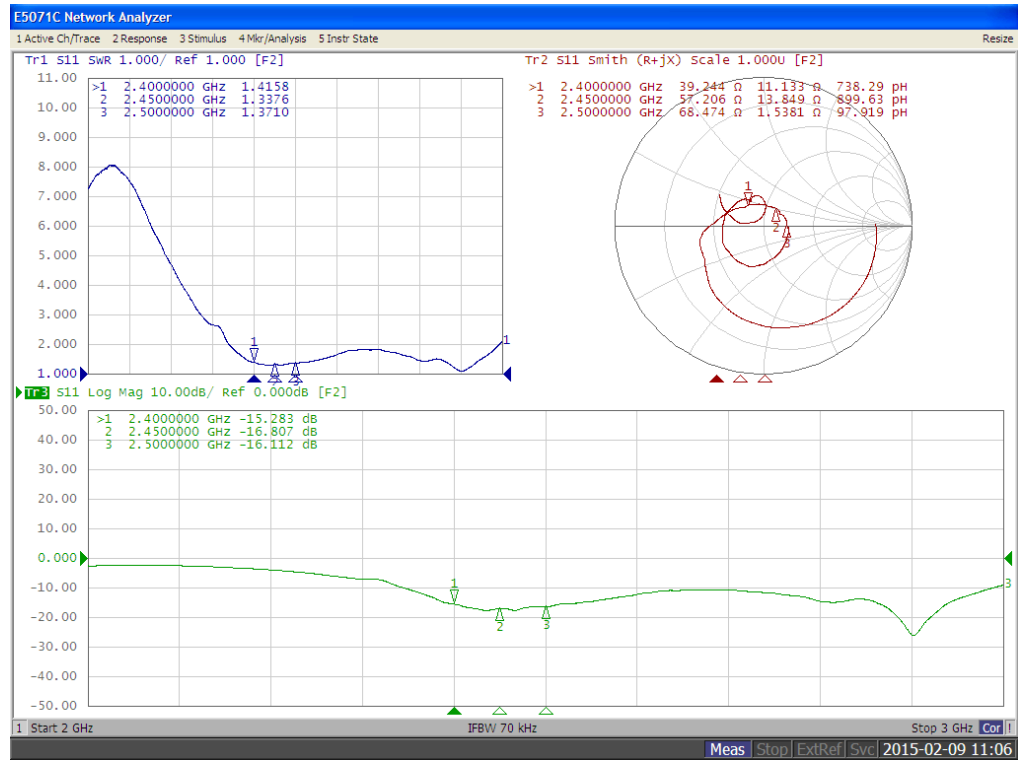
- 1.2.1 Antenna Body----- SUS430 預鍍鎳

## 2 Antenna Picture



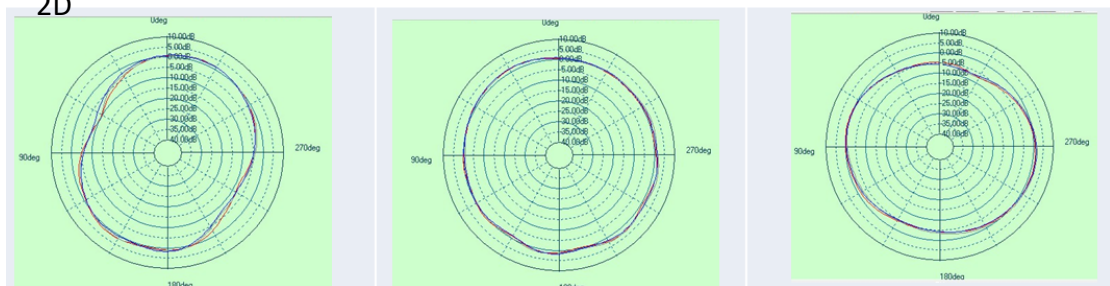
### 3 Test data

#### 3.1 Return Loss and VSWR

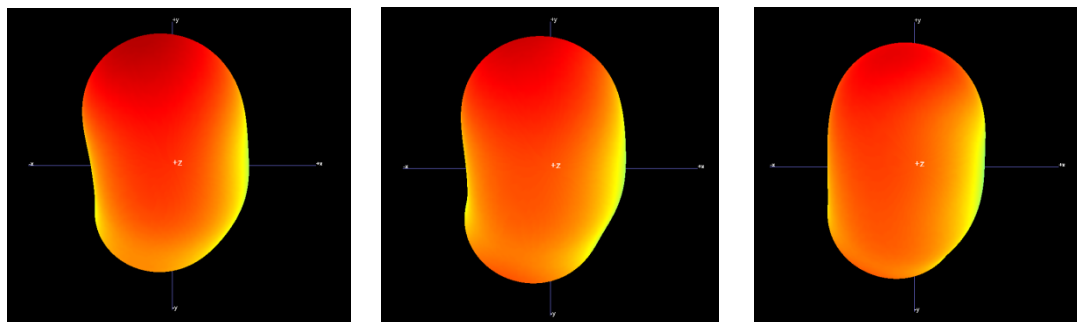


#### 3.2 Radiation Pattern

2D



3D



2400 MHz

2450 MHz

2500 MHz

### 3.3 Gain Table

| Frequency<br>(MHz) | XZ Plane           |                       | YZ Plane           |                       | XY Plane           |                       | Peak Gain<br>(dBi) | Efficiency<br>(%) |
|--------------------|--------------------|-----------------------|--------------------|-----------------------|--------------------|-----------------------|--------------------|-------------------|
|                    | Peak Gain<br>(dBi) | Average Gain<br>(dBi) | Peak Gain<br>(dBi) | Average Gain<br>(dBi) | Peak Gain<br>(dBi) | Average Gain<br>(dBi) |                    |                   |
| 2400               | 1.57               | -1.83                 | 2.33               | 0.81                  | 1.16               | -2.43                 | 2.36               | 70                |
| 2450               | 1.62               | -1.65                 | 2.57               | 0.94                  | 2.12               | -1.97                 | 2.98               | 73                |
| 2500               | 1.41               | -1.94                 | 2.04               | 0.57                  | 1.79               | -2.14                 | 1.94               | 69                |



## 5 AVL2 證書

AVL2.E239426 - Appliance Wiring Material - Component

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ONLINE CERTIFICATIONS DIRECTORY

### AVLV2.E239426 Appliance Wiring Material - Component

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#### Appliance Wiring Material - Component

[See General Information for Appliance Wiring Material - Component](#)

WEIHAI HONG LIN ELECTRONIC CO LTD  
 STUDENTS PIONEERING GARDEN  
 PUDONG RD, 9 INTERNATIONAL  
 WEIHAI E&T  
 WEIHAI, SHANDONG 264205 CHINA

E239426

| Table of Recognized Styles                    |      |       |       |       |       |       |       |
|-----------------------------------------------|------|-------|-------|-------|-------|-------|-------|
| Single-conductor, thermoplastic insulation.   |      |       |       |       |       |       |       |
| 1004                                          | 1195 | 1375  | 1582  | 1803  | 10098 | 10536 | 10993 |
| 1005                                          | 1208 | 1429  | 1617  | 1821  | 10131 | 10588 | 11004 |
| 1006                                          | 1283 | 1430  | 1618  | 1855  | 10140 | 10602 | 11005 |
| 1007                                          | 1315 | 1431  | 1624  | 1870  | 10150 | 10603 | 11006 |
| 1010                                          | 1316 | 1452  | 1672  | 1872  | 10168 | 10800 | 11007 |
| 1015                                          | 1317 | 1453  | 1679  | 1895  | 10198 | 10846 | 11026 |
| 1016                                          | 1318 | 1478  | 1691  | 1966  | 10235 | 10856 | 11027 |
| 1028                                          | 1319 | 1497  | 1728  | 1984  | 10236 | 10981 | 11028 |
| 1032                                          | 1320 | 1500  | 1729  | 10012 | 10237 | 10982 | 11212 |
| 1061                                          | 1321 | 1509  | 1741  | 10027 | 10272 | 10983 | 11352 |
| 1095                                          | 1330 | 1533  | 1747  | 10053 | 10337 | 10984 | 11353 |
| 1102                                          | 1332 | 1568  | 1774  | 10059 | 10368 | 10985 | 11364 |
| 1107                                          | 1333 | 1569  | 1777  | 10064 | 10369 | 10986 |       |
| 1180                                          | 1354 | 1571  | 1789  | 10086 | 10495 | 10987 |       |
| 1185                                          | 1365 | 1581  | 1792  | 10097 | 10533 | 10992 |       |
| Multiple-conductor, thermoplastic insulation. |      |       |       |       |       |       |       |
| 2092                                          | 2576 | 2919  | 20346 | 20798 | 21088 | 21301 | 21468 |
| 2095                                          | 2587 | 2935  | 20379 | 20820 | 21099 | 21306 | 21469 |
| 2096                                          | 2625 | 2960  | 20410 | 20844 | 21100 | 21307 | 21492 |
| 2097                                          | 2651 | 2969  | 20445 | 20861 | 21101 | 21309 | 21503 |
| 2098                                          | 2678 | 2990  | 20475 | 20866 | 21104 | 21310 | 21515 |
| 2344                                          | 2725 | 2996  | 20496 | 20878 | 21126 | 21445 | 21516 |
| 2405                                          | 2733 | 20058 | 20549 | 20890 | 21142 | 21451 | 21517 |
| 2448                                          | 2791 | 20095 | 20554 | 20907 | 21143 | 21452 | 21518 |
| 2464                                          | 2833 | 20170 | 20566 | 20911 | 21144 | 21453 | 21570 |
| 2468                                          | 2835 | 20197 | 20574 | 20936 | 21147 | 21454 | 21571 |
| 2517                                          | 2836 | 20236 | 20624 | 20941 | 21149 | 21455 | 21634 |
| 2547                                          | 2844 | 20251 | 20626 | 20948 | 21165 | 21456 | 21706 |
| 2549                                          | 2851 | 20254 | 20640 | 20954 | 21198 | 21457 |       |
| 2552                                          | 2854 | 20276 | 20642 | 21002 | 21213 | 21458 |       |

|                                                  |                      |                       |                       |                       |                       |                       |
|--------------------------------------------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <a href="#">2562</a>                             | <a href="#">2863</a> | <a href="#">20279</a> | <a href="#">20696</a> | <a href="#">21016</a> | <a href="#">21253</a> | <a href="#">21460</a> |
| <a href="#">2571</a>                             | <a href="#">2877</a> | <a href="#">20288</a> | <a href="#">20706</a> | <a href="#">21036</a> | <a href="#">21292</a> | <a href="#">21461</a> |
| <a href="#">2574</a>                             | <a href="#">2896</a> | <a href="#">20328</a> | <a href="#">20733</a> | <a href="#">21064</a> | <a href="#">21293</a> | <a href="#">21462</a> |
| <b>Single-conductor, thermoset insulation.</b>   |                      |                       |                       |                       |                       |                       |
| <a href="#">3173</a>                             | <a href="#">3265</a> | <a href="#">3271</a>  | <a href="#">3302</a>  | <a href="#">3363</a>  | <a href="#">3385</a>  | <a href="#">3481</a>  |
| <a href="#">3237</a>                             | <a href="#">3266</a> | <a href="#">3275</a>  | <a href="#">3348</a>  | <a href="#">3376</a>  | <a href="#">3386</a>  |                       |
| <b>Multiple-conductor, thermoset insulation.</b> |                      |                       |                       |                       |                       |                       |
| <a href="#">4468</a>                             | <a href="#">4478</a> | <a href="#">4523</a>  | <a href="#">4530</a>  |                       |                       |                       |

Marking: Company name, voltage rating, temperature rating, conductor size, conductor material if other than copper, and use.  
 Last Updated on 2014-12-29

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## 6 ZPFW1 UL 認證



the standard in safety

Underwriters  
Laboratories

File E225203

Vol 1

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FOLLOW-UP SERVICE PROCEDURE  
(TYPE L)

COMPONENT - WIRING HARNESSSES  
(ZPFW2, ZPFW8)

Manufacturer: SEE ADDENDUM FOR MANUFACTURING LOCATIONS

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Recognized Company: SAME AS APPLICANT  
(342688-001)

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File E225283 Vol 1 ADDENDUM TO PAGE 1 ISSUED: 2002-02-20  
AUTHORIZATION PAGE REVISED: 2009-05-06

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