

規格承認書
Approval Sheet

客戶名稱

Customer Name: Pegatron

產品名稱

Product description: WAP571E 5G-2 PIFA ANT

產品型號

Model Name: WAP571E

泓淋料號

Hong Lin P/N: 290-30287

客戶料號

Customer P/N: _____

版別 日期
Version: X6 Date: 2015/08/20

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

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1 Specification

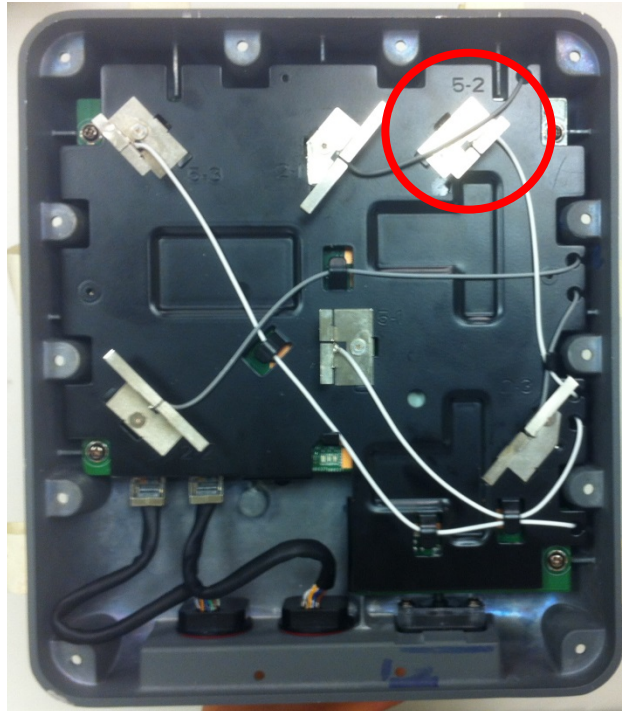
1.1 Electrical Properties

- 1.1.1 Frequency Range----- 5.15G~5.85G
- 1.1.2 Impedance----- 50Ω
- 1.1.3 VSWR----- 1.92:1
- 1.1.4 Return Loss----- -10dB or Less
- 1.1.5 Peak Gain----- 3.38 dBi
- 1.1.6 Admitted Power----- 1W
- 1.1.7 Cable----- Ø1.37 Low Loss
- 1.1.8 Antenna Type----- Metal Type

1.2 Physical Properties

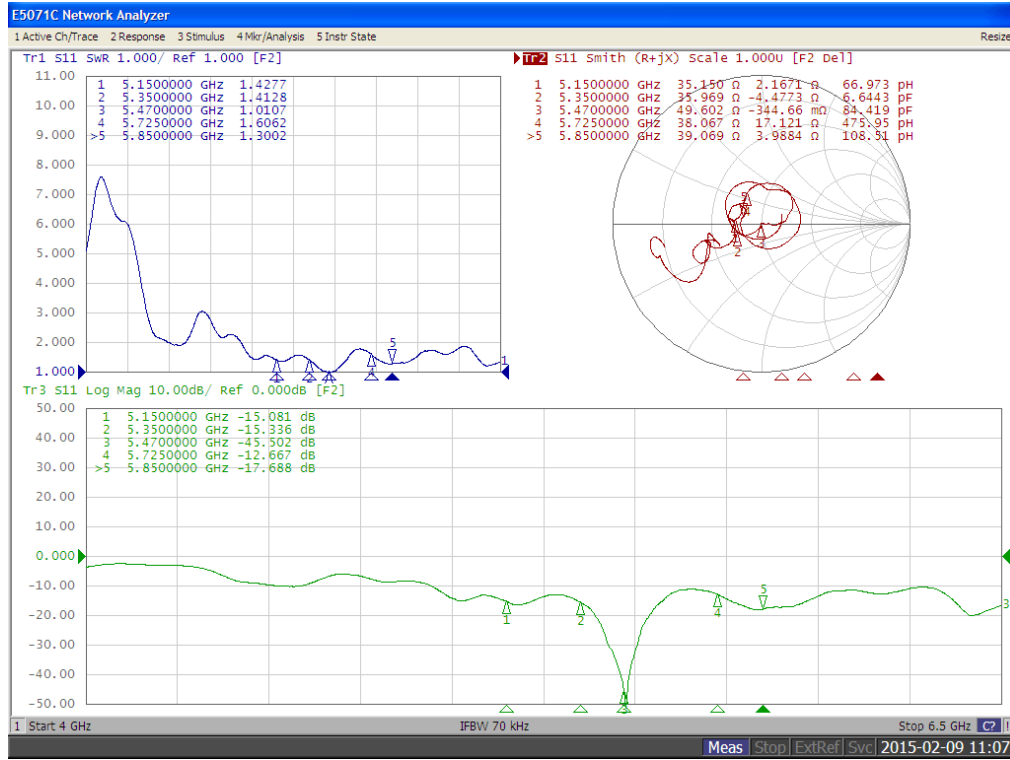
- 1.2.1 Antenna Body----- SUS430 預鍍鎳

2 Antenna Picture

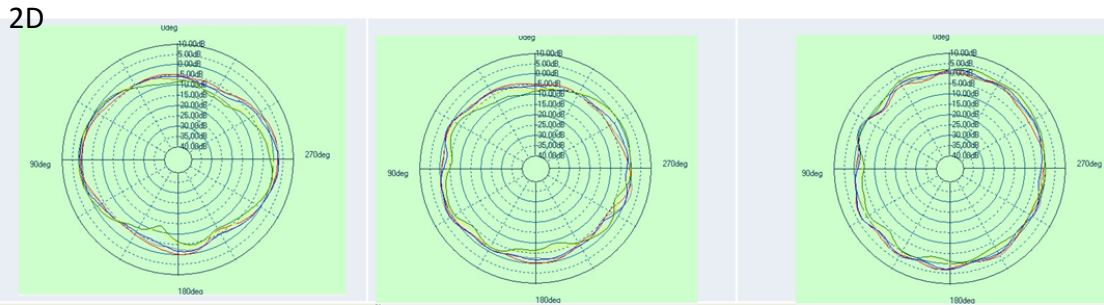


3 Test data

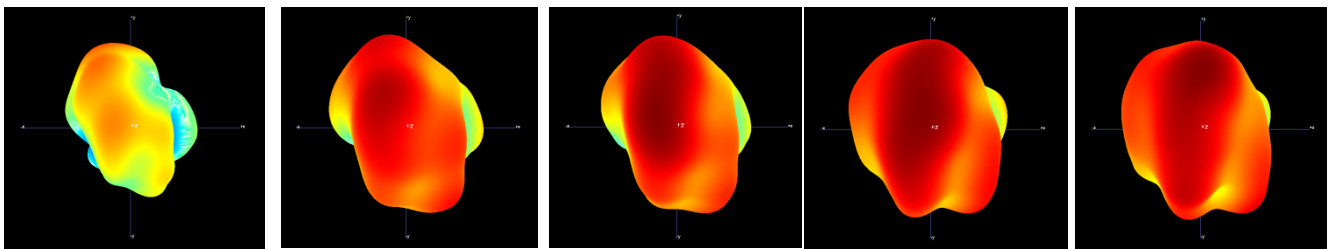
3.1 Return Loss and VSWR



3.2 Radiation Pattern



3D



5150 MHz

5350 MHz

5470 MHz

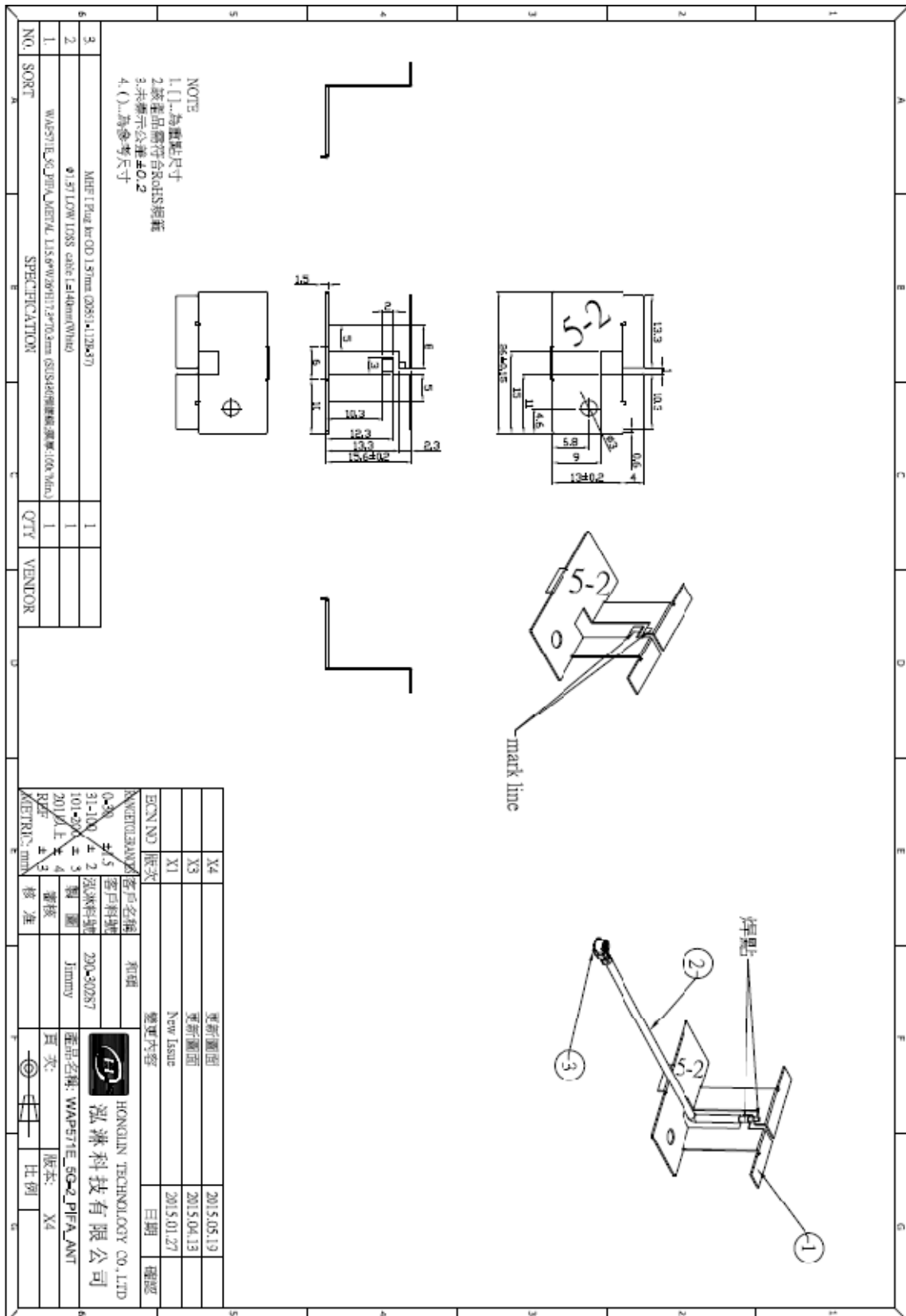
5725 MHz

5850 MHz

3.3 Gain Table

| Frequency (MHz) | XZ Plane | | YZ Plane | | XY Plane | | Peak Gain (dBi) | Efficiency (%) |
|--------------------|--------------------|-----------------------|--------------------|-----------------------|--------------------|-----------------------|--------------------|-------------------|
| | Peak Gain (dBi) | Average Gain (dBi) | Peak Gain (dBi) | Average Gain (dBi) | Peak Gain (dBi) | Average Gain (dBi) | | |
| 5150 | 2.33 | -2.32 | 0.79 | -2.97 | 2.84 | 0.14 | 3.34 | 74 |
| 5350 | 2.61 | -2.84 | 1.32 | -2.66 | 2.69 | 0.2 | 3.38 | 69 |
| 5470 | 2.45 | -2.34 | 1.65 | -2.41 | 2.81 | 0.33 | 2.86 | 67 |
| 5725 | 2.06 | -3.33 | 0.98 | -2.98 | 2.79 | 0.11 | 2.75 | 74 |
| 5850 | 1.76 | -3.85 | 1.04 | -3.42 | 2.77 | -0.09 | 2.81 | 71 |

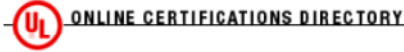
4 Antenna Assembly (成品圖)



5 AVLV2 證書

AVLV2.E239426 - Appliance Wiring Material - Component

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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 | 1580 | 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 | 11252 |
| 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 | |

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

Marking: Company name, voltage rating, temperature rating, conductor size, conductor material if other than copper, and use.

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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

Applicant: WEIHAI HONG LIN ELECTRONIC CO LTD
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Recognized Company: SAME AS APPLICANT
(342688-001)

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Senior Vice President
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William R. Carney
Director
North American Certification Program



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

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