

# 承 認 書

## APPROVAL SHEET

CUSTOMER: 宇智網通股份有限公司

CUSTOMER MODEL NO.:

JOYMAX MODEL NO.: **IWF-152XMPXX-711**

DESCRIPTION: **#152X Flying Lead Antenna**

REV.: **00**

DATE.: **2007/03/13**

| Customer Approval | Joymax Approval |
|-------------------|-----------------|
|                   |                 |

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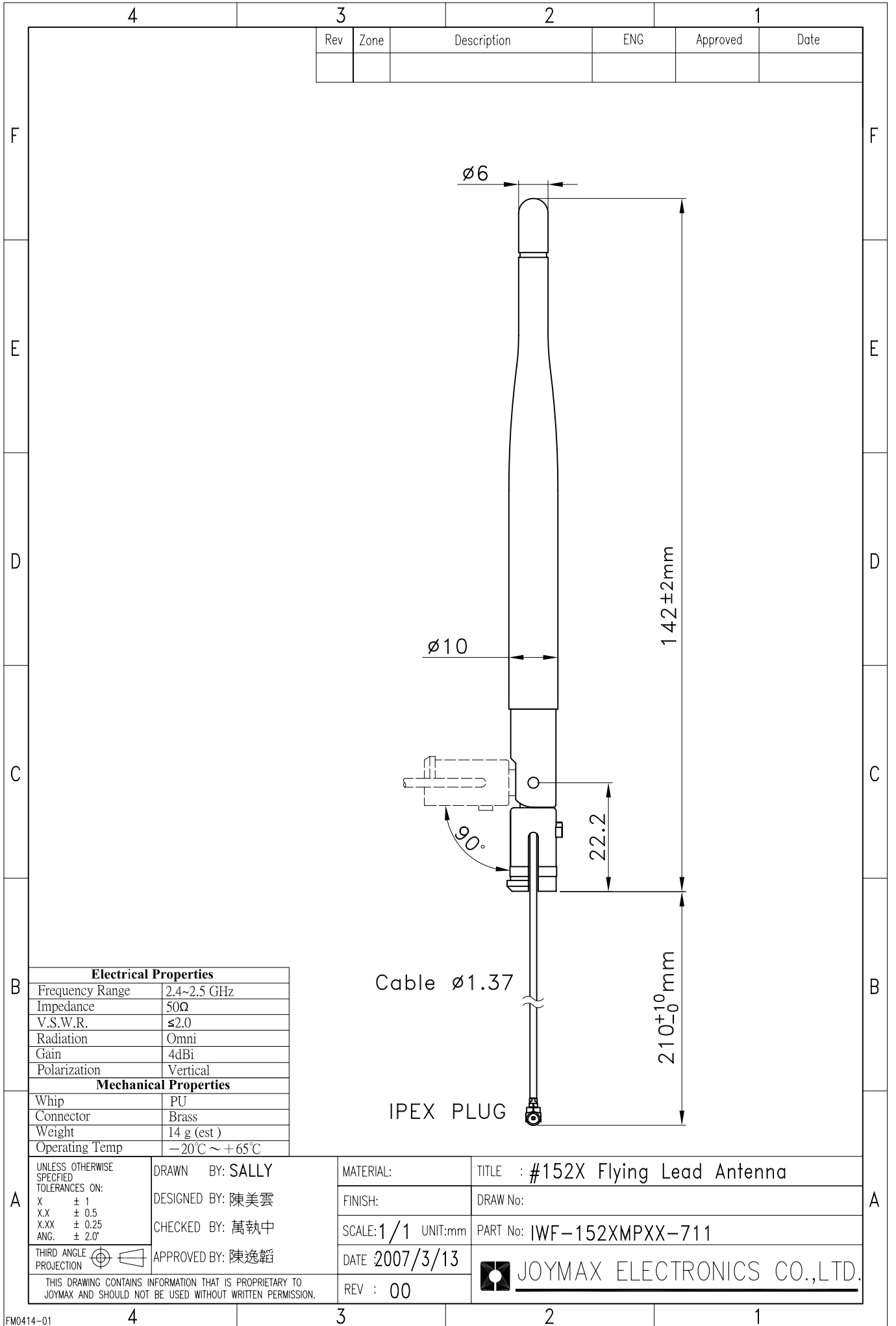
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## Index.

| Item              | Page |
|-------------------|------|
| 1. Drawing        | 1-1  |
| 2. Test report    |      |
| • Electrical test | 2-1  |
| 3. Connector      |      |
| • IPEX PLUG       | 3-1  |
| 4. Cable          |      |
| • $\phi 1.37$     | 4-1  |
| 6.Packing         |      |
| • PE袋             |      |
| • 紙箱              |      |

## Modification History:

| Rev. | Date       | Content |
|------|------------|---------|
| 00   | 2007/03/13 |         |



| Electrical Properties |               |
|-----------------------|---------------|
| Frequency Range       | 2.4~2.5 GHz   |
| Impedance             | 50Ω           |
| V.S.W.R.              | ≤2.0          |
| Radiation             | Omni          |
| Gain                  | 4dBi          |
| Polarization          | Vertical      |
| Mechanical Properties |               |
| Whip                  | PU            |
| Connector             | Brass         |
| Weight                | 14 g (est)    |
| Operating Temp        | -20°C ~ +65°C |

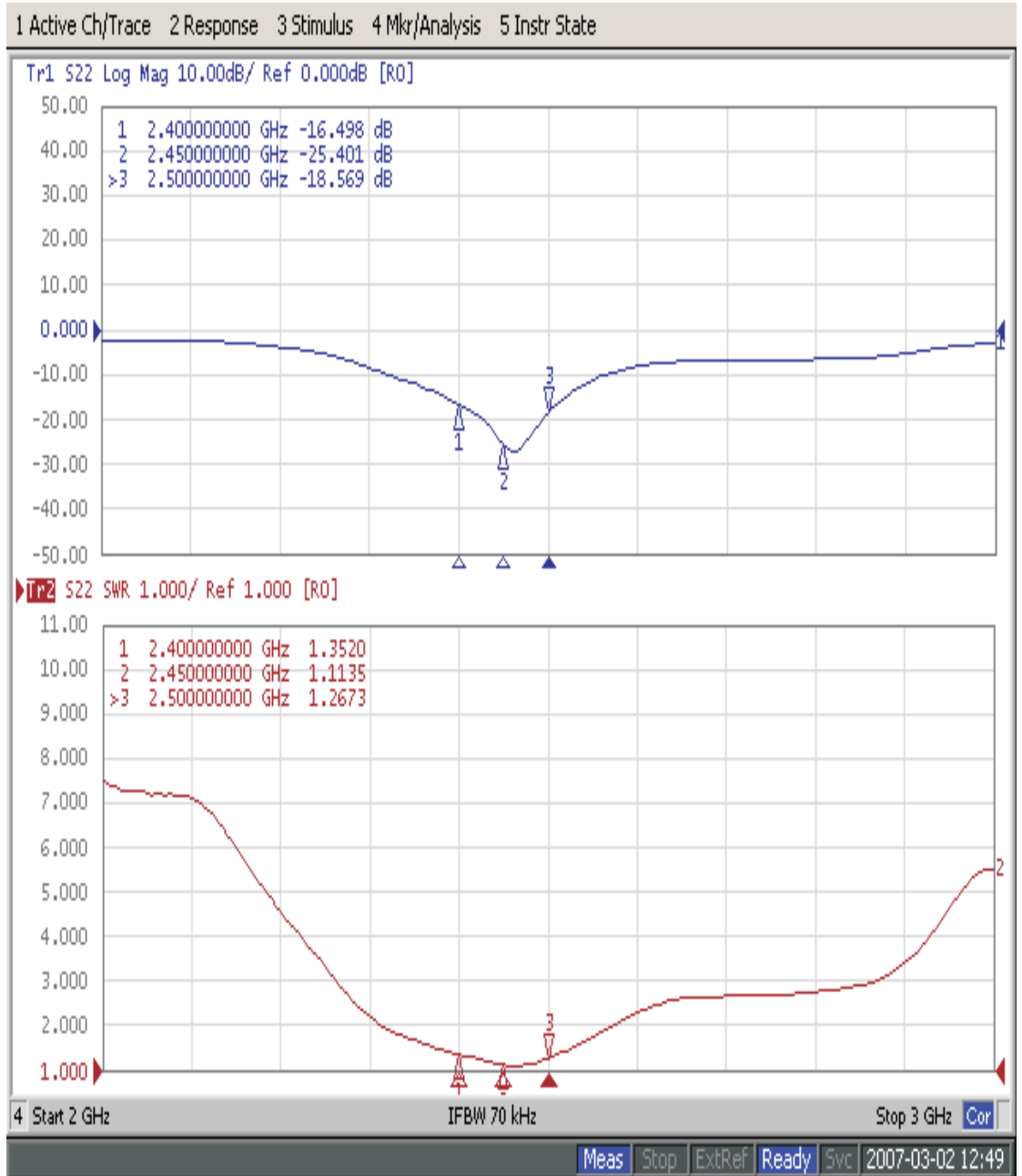
|  |   |  |                                    |                                   |
|--|---|--|------------------------------------|-----------------------------------|
| A  | UNLESS OTHERWISE SPECIFIED TOLERANCES ON:<br>X ± 1<br>X.X ± 0.5<br>X.XX ± 0.25<br>ANG. ± 2.0' | DRAWN BY: SALLY<br>DESIGNED BY: 陳美雲<br>CHECKED BY: 萬執中<br>APPROVED BY: 陳逸韜 | MATERIAL:                          | TITLE : #152X Flying Lead Antenna |
|  |   |  | FINISH:                            | DRAW No:                          |
|  |   |  | SCALE: 1/1 UNIT:mm                 | PART No: IWF-152XMPXX-711         |
|  |   |  | DATE 2007/3/13                     |                                   |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO JOYMAX AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |   | REV : 00   | <b>JOYMAX ELECTRONICS CO.,LTD.</b> |                                   |

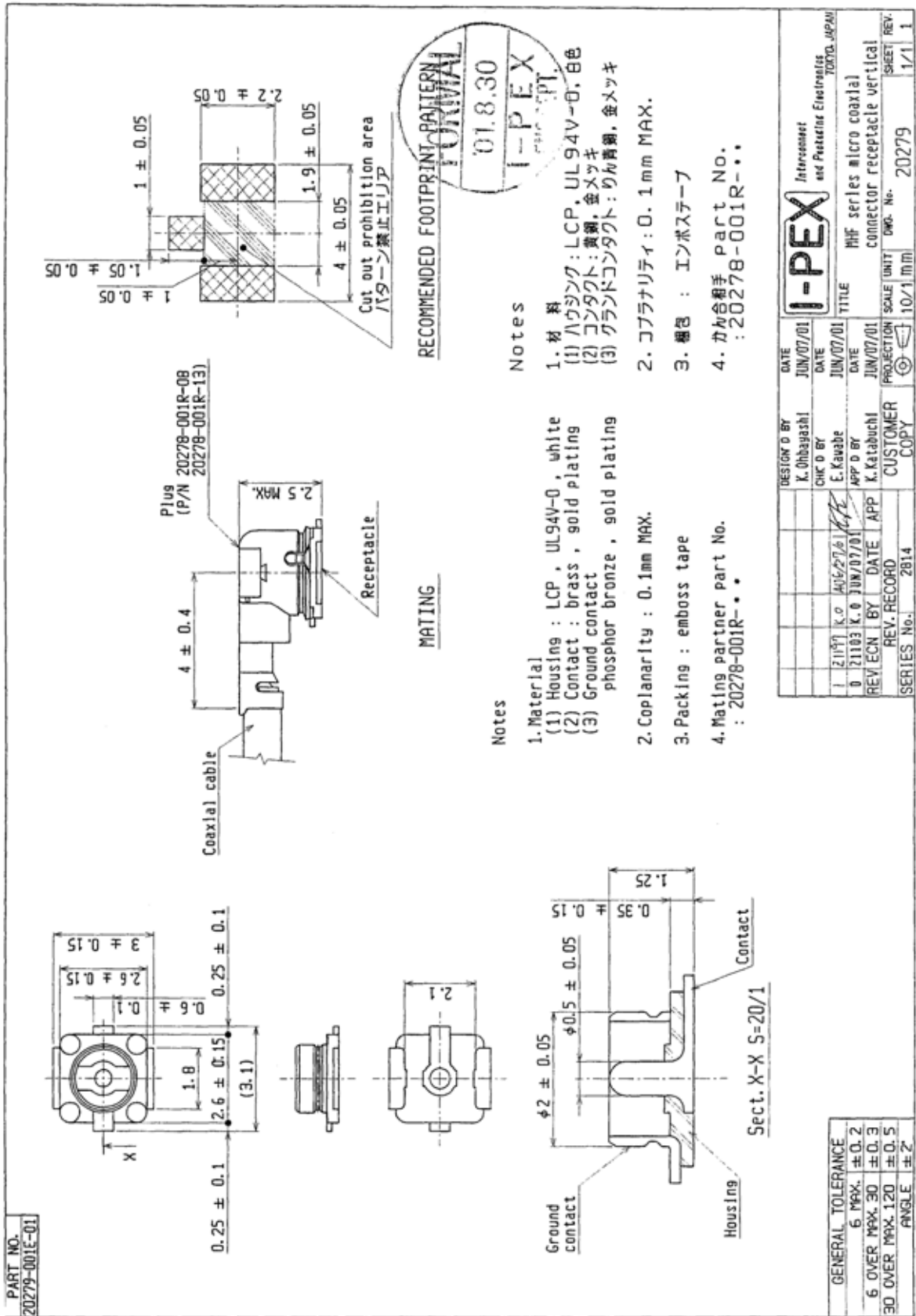
# Model. IWF-152XMPXX-711

## Test Report

## Electrical Test

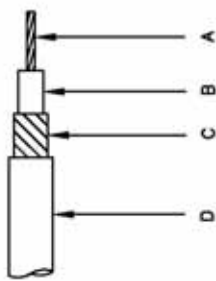
### Return Loss





| Rev | Change | By | Date |
|-----|--------|----|------|
|     |        |    |      |



**Electricals:**

Characteristic Impedance: 50±2 Ohms  
 Inner Conductor Resistance @20°C: 349 nom. Ω/km  
 Capacitance: 96.5 PF/m

**Construction:**

A) Inner Conductor:  
 Silver Plated Copper  
 OD 0.304mm

B) Dielectric:  
 Extruded PTFE  
 OD 0.89mm

C) Outer Conductor:  
 Silver Plated Copper  
 OD 1.11mm

D) Outer Jacket:  
 Extruded FEP  
 OD 1.37±0.1mm

**Norm. Attenuation:**

|         |          |
|---------|----------|
| 1.0 GHz | 1.5 dB/m |
| 2.0 GHz | 2.2 dB/m |
| 3.0 GHz | 2.6 dB/m |
| 4.0 GHz | 3.0 dB/m |
| 5.0 GHz | 3.5 dB/m |
| 6.0 GHz | 3.9 dB/m |

**Scops:**

This specification presents a FEP jacketed COAXIAL cable AWG30, 1.37 mm O.D. for internal wiring of electronic equipment, such as Computer/Notebook with wireless communication systems. [UL1745:90°C,30V] under File No.E45046 and Category No.AVLV2.

c:\data\drawings\block

|               |            |        |      |           |        |
|---------------|------------|--------|------|-----------|--------|
| Date:         | 12/18/2003 | Scale: | None | Drawn By: | Anna   |
| Drawing Name: | J137       | Rev:   |      | Sheet     | 1 of 1 |