

# 承認書

## APPROVAL SHEET

CUSTOMER: TFE

CUSTOMER MODEL NO.:

JODA MODEL NO: IWF-241XMMXX-999

DESCRIPTION: #241X Replacement Antenna

REV.: 00

DATE 2007/9/29

|                   |                |
|-------------------|----------------|
| Customer Approval | Joda: Approval |
|-------------------|----------------|

---

---

## Index.

|      |
|------|
| Item |
|------|

### 1. Drawing

---

### 2. Test report

- Electrical test
- 

### 3. Specification

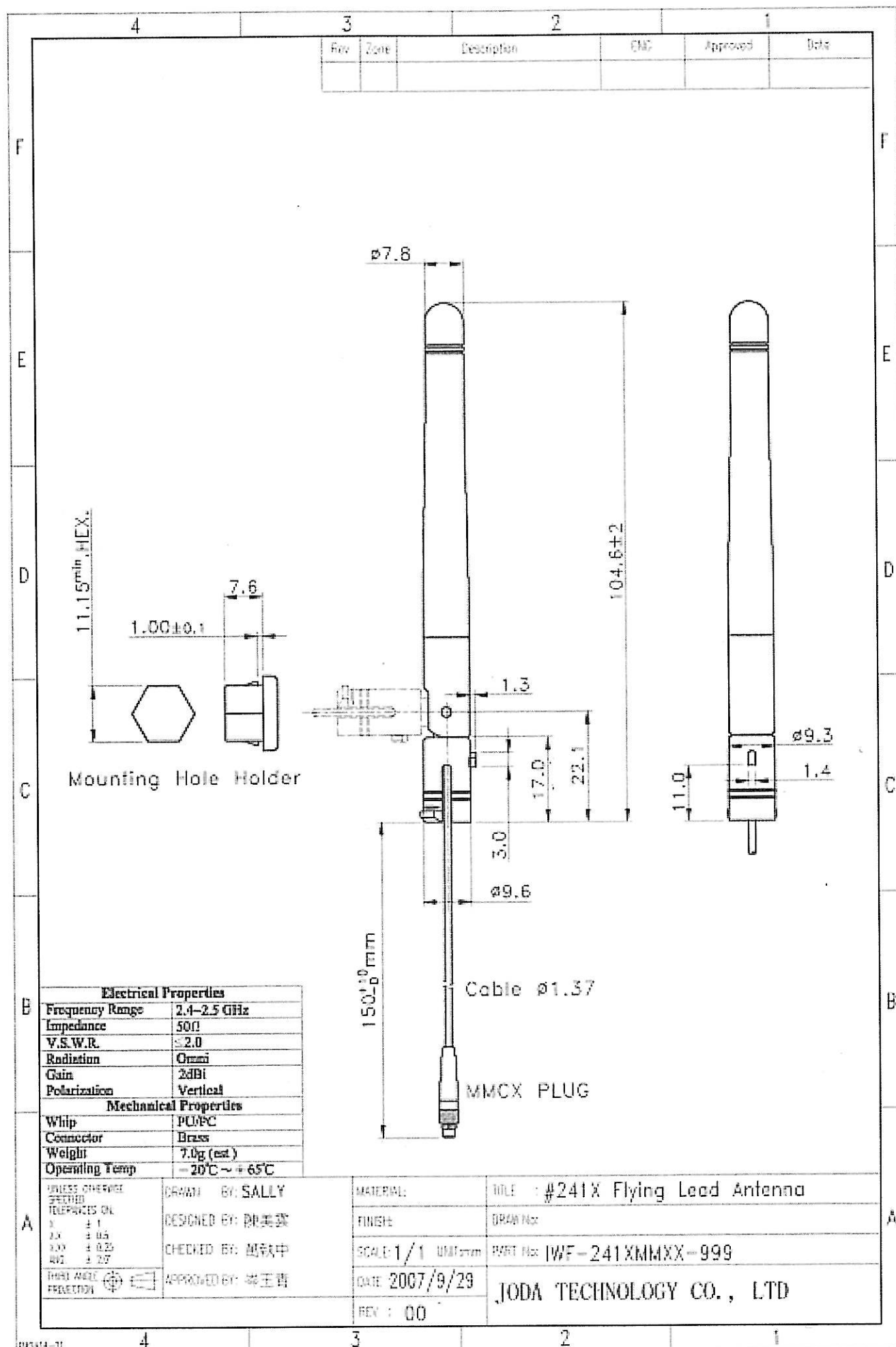
- Cable
  - Connector
- 

### 4. Packing

- PE Pag
  - Carton
- 

## Modification History:

| Rev. | Date      | Content |
|------|-----------|---------|
| 00   | 2007/9/29 |         |

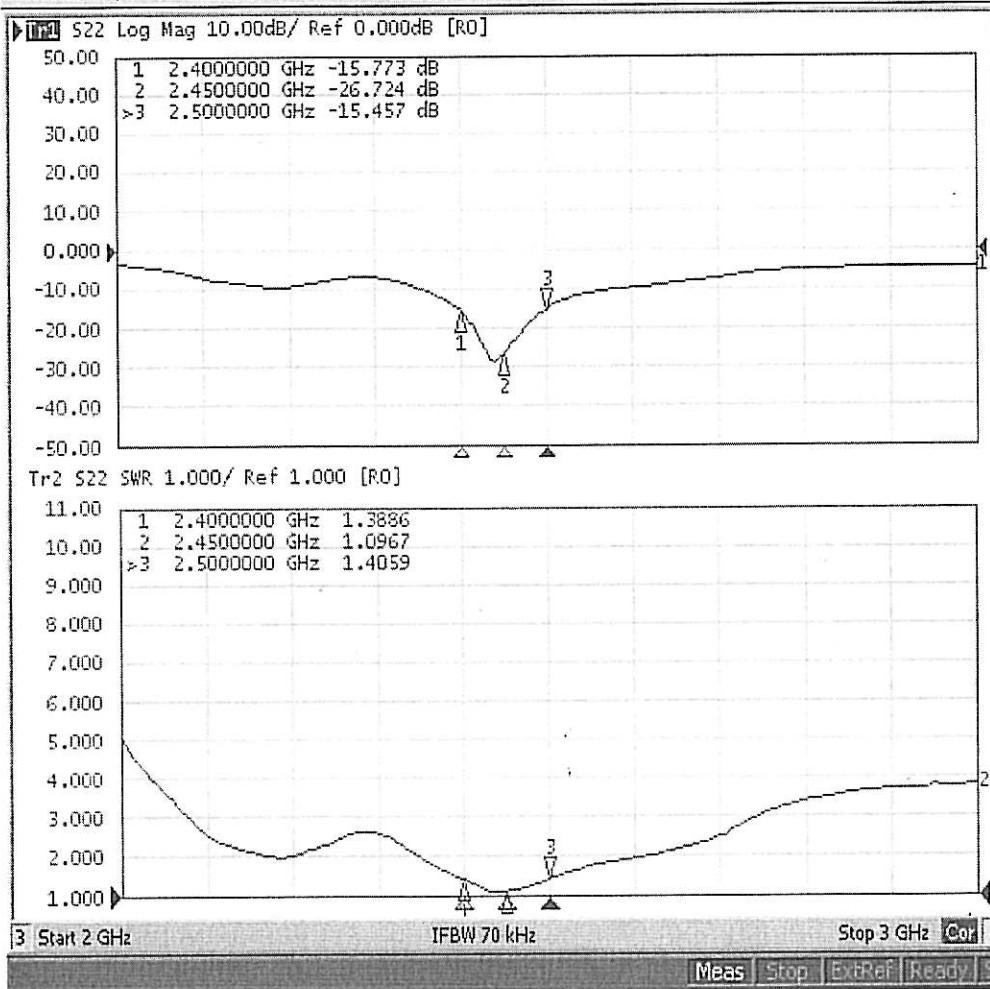


Model. IWF-241XMMXX-999

Test Report

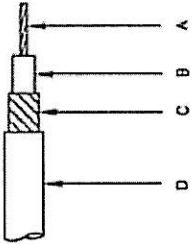
Return loss/V.S.W.R

Return loss 1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State



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



A  
B  
C  
D

**Electricals:**

Characteristic Impedance: 50±2 Ohms  
 Inner Conductor Resistance @20°C: 349 nom. Ω/km  
 Capacitance: 95.5 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

**Hom. 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 |

**Scope:**

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.

**Revisions:**

| Date:              | Scale: | Drawn By: | App'd        |
|--------------------|--------|-----------|--------------|
| 12/16/2003         | None   |           |              |
| Drawing Name: J137 |        | Rev:      | Sheet 1 of 1 |

| Connector          |                                  | MMCX  |
|--------------------|----------------------------------|---|
| Specification Data | 1) Impedance                     | 50 ohm  |
|                    | 2) Frequency Range               | 0~6 GHz   |
|                    | 3) V.S.W.R.                      | $\leq 1.5$  |
|                    | 4) Working Voltage               | $\leq 170$ Vrms   |
|                    | 5) Dielectric Withstanding       | $\leq 500$ Vrms   |
|                    | 6) Voltage Insulation Resistance | $\geq 1000$ Megohms   |
|                    | 7) Contact Resistance            | Center contact: 5.0 Milliohms (Max.)<br>Outer contact: 2.5 Milliohms (Max.) |
|                    | 8) Engagement Force              | $\leq 8.6$ lbs (35.6N)  |
|                    | 9) Disengagement Force           | $\geq 1.4$ lbs (6.2N)   |
|                    | 10) Durability(Mating)           | $\geq 500$ cycles   |
| Environmental Data | 1) Operating Temperature         | $-40^{\circ}\text{C} \sim +90^{\circ}\text{C}$                              |
|                    | 2) Thermal Shock                 | MIL-STD-202,Method 107, Condition G   |
|                    | 3) Corrosion                     | MIL-STD-202,Method 101, Condition B   |
|                    | 4) Vibration                     | MIL-STD-202,Method 204, Condition G   |
|                    | 5) Moisture Resistance           | MIL-STD-202,Method 106  |
| Material Data      | Material Data                    |   |
|                    | 1) Body                          | Brass   |
|                    | 2) Contact                       | Phosphor Bronze   |
|                    | 3) Insulator                     | Teflon or Delrin  |