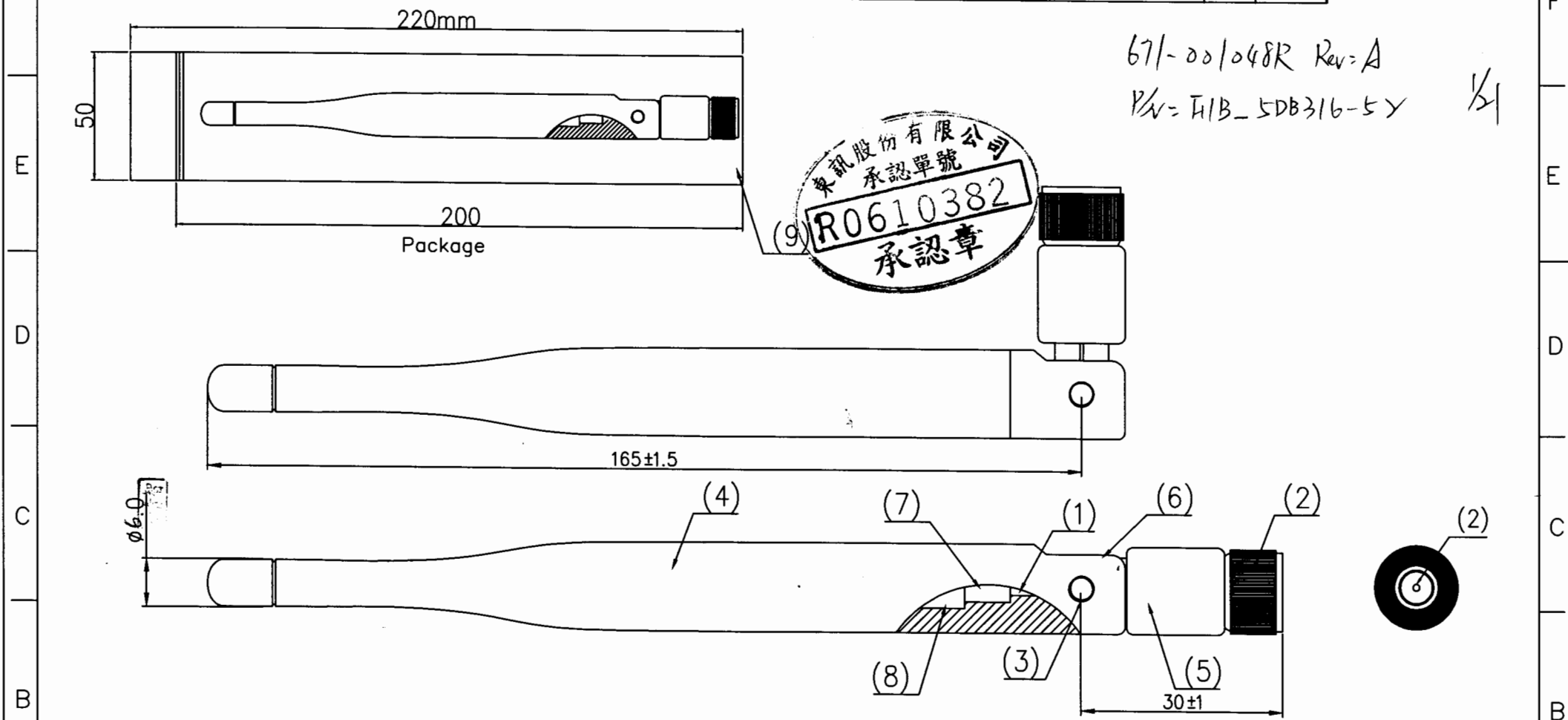


| 6   |      |                               |  |  |  |  |  |  |  | 5 |  |     |     |           |     |      |                               |  |  | 4 |  |  |  |  |  |  |     |     |      | 3              |  |  |  |  |  |  |  |  |  | 2 |  |  |  |  |  |  |  |  |  | 1 |  |  |  |  |  |  |  |  |  |
|-----|------|-------------------------------|--|--|--|--|--|--|--|---|--|-----|-----|-----------|-----|------|-------------------------------|--|--|---|--|--|--|--|--|--|-----|-----|------|----------------|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|
| LTR | Zone | REVISION RECORD / Description |  |  |  |  |  |  |  |   |  | DWN | CHK | DATE      | LTR | Zone | REVISION RECORD / Description |  |  |   |  |  |  |  |  |  | DWN | CHK | DATE | DRAWING NUMBER |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |
| 1   |      | New Release                   |  |  |  |  |  |  |  |   |  |     |     | Oct/4/06" |     |      |                               |  |  |   |  |  |  |  |  |  |     |     |      | F1B_5DB316-52  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |
| 2   |      |                               |  |  |  |  |  |  |  |   |  |     |     |           |     |      |                               |  |  |   |  |  |  |  |  |  |     |     |      |                |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |
|     |      |                               |  |  |  |  |  |  |  |   |  |     |     |           |     |      |                               |  |  |   |  |  |  |  |  |  |     |     |      |                |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |
|     |      |                               |  |  |  |  |  |  |  |   |  |     |     |           |     |      |                               |  |  |   |  |  |  |  |  |  |     |     |      |                |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |



| 9  | PE BAG 夾袋 50*200mm T=0.04     | 1    |           | M09-0112N0-00 |
|----|-------------------------------|------|-----------|---------------|
| 8  | fixing device                 | 1    |           | M04-3BS5DB-00 |
| 7  | Brass Tube                    | 1    | Brass     | M06-045247-00 |
| 6  | Upper Holder : Black          | 1    | ABS       | M04-3BS030-02 |
| 5  | Lower Holder : Black          | 1    | ABS       | M04-3BS030-01 |
| 4  | Cover : Black                 | 1    | TPE       | M04-3BS040-03 |
| 3  | Rivet : Black                 | 2    | Stainless | M06-202040-01 |
| 2  | CN RP- B-SMA Plug (Cr plated) | 1    | Brass     | M01-053020-AB |
| 1  | COAXIAL CABLE RG316           | 1    |           | M02-316WON-00 |
| NO | DESCRIPTION                   | Q'ty | MATERIAL  | Part Number   |

**LONG CHENG ELECTRONICS CO. LTD**  
 龍呈國際科技有限公司

|                      |  |             |  |                                                                    |                 |
|----------------------|--|-------------|--|--------------------------------------------------------------------|-----------------|
| UNIT<br>mm           |  | APVD        |  | DESCRIPTION:<br>2.4Gz 5DB B-SMA(MF) S-Ant.(Black)+PE BAG           |                 |
| MATERIAL<br>SEE NOTE |  | CHK         |  |                                                                    |                 |
| FINISH<br>SEE NOTE   |  | DWN<br>MIAO |  | DIMENSION:<br>1 PLC ±0.5<br>2 PLC ±0.3<br>3 PLC ±0.2<br>ANGLES ±5° |                 |
|                      |  |             |  | PART NUMBER<br>F1B_5DB316-52                                       | REV<br>1        |
|                      |  |             |  | SIZE<br>A4                                                         | SHEET<br>1 OF 1 |

# 機械特性規格

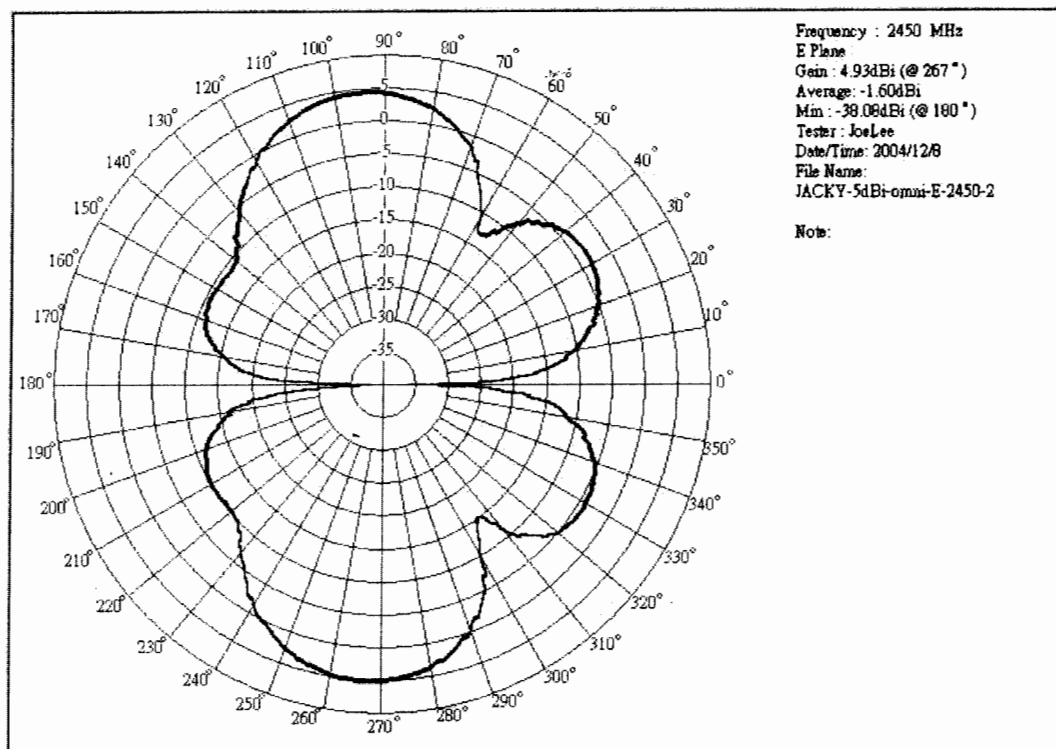
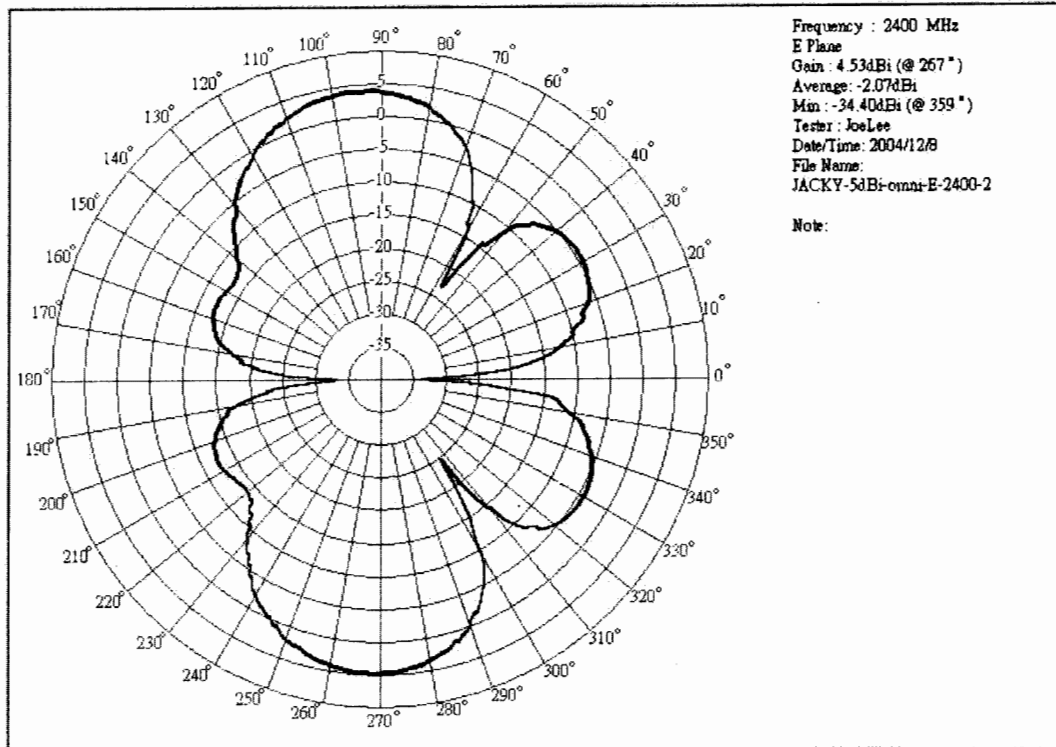
## Mechanical Specifications

|                                             |                             |
|---------------------------------------------|-----------------------------|
| 接頭種類<br>( Connector Type )                  | RP-SMA Plug (B-SMA)         |
| 塑膠顏色<br>( Plastic Color )                   | Black                       |
| 同軸線材<br>(Coaxial Cable Type)                | RG316                       |
| 同軸線材規格<br>(Coaxial Cable Spec.)             | See attached file           |
| 天線罩材質<br>(Radom Material)                   | TPE                         |
| 同軸線材顏色<br>(Coaxial Cable Color)             | Orange                      |
| 輻射材料<br>(Radiator Material)                 | N/A                         |
| 工作溫度與溼度<br>(Working Temperature & Humidity) | -20°C - +60°C<br>90% @ 25°C |
| 儲存溫度與溼度<br>(Storage Temperature & Humidity) | -40°C - +75°C<br>95% @ 25°C |
| 重量<br>(Weight)                              | 31gMax.                     |

電氣特性規格

Electrical Specifications

|                                               |                   |
|-----------------------------------------------|-------------------|
| 頻率範圍<br>(Frequency Range)                     | 2400MHZ - 2500MHZ |
| 增益<br>(Gain)                                  | Gain Range: 5dBi  |
| 電壓駐波比 (VSWR)<br>Return Loss<br>Isolation Test | VSWR $\leq$ 2     |
| 極化<br>(Polarzation)                           | Linear, Vertical  |
| 半功率水平波束寬<br>(HPBW/Horizontal)                 | 120°              |
| 半功率垂直波束寬<br>(HPBW/Vertical)                   | 60°(typical)      |
| 最大功率<br>(Max. Power Rating)                   | 2 W (CW)          |
| 阻抗匹配<br>(Impedance)                           | 50 Ohms (typical) |



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