

亞 驪 企 業 股 份 有 限 公 司  
ARISTOTLE ENTERPRISES

承 認 申 請 書

**ROHS COMPLIANCE**

客戶名稱: 醫揚科技股份有限公司  
Customer  
廠商料號: RFA-27JP818P174BS450  
Part No.  
品名: L=450mm  
Description  
圖號: RFA-27JP818P174BS450  
Drawing No.  
客戶料號: 170001045B  
Drawing No.

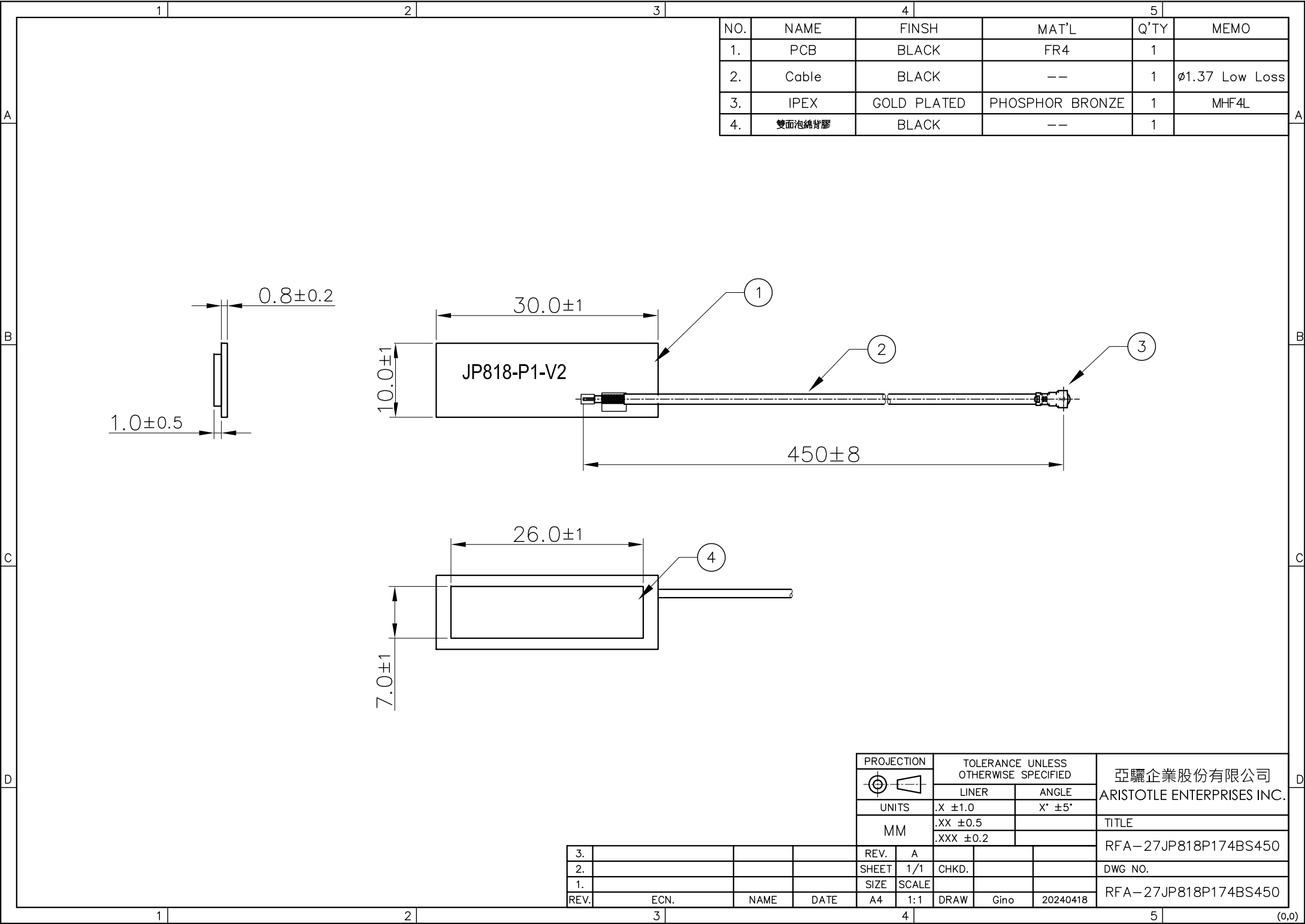
出廠簽章:

| 檢 查<br>TEST BY | 核 對<br>CHECK BY | 承 認<br>APPROVE BY |
|----------------|-----------------|-------------------|
| 張家福            | 張鴻隆             | 廖煥文               |

承認簽章:

| 檢 查<br>TEST BY | 核 對<br>CHECK BY | 承 認<br>APPROVE BY |
|----------------|-----------------|-------------------|
|                |                 |                   |

地址:新北市中和區莒光路 63 號 8 樓  
電話:02-2225-8209  
傳真:02-2225-7523



| NO. | NAME   | FINSH       | MAT'L           | Q'TY | MEMO           |
|-----|--------|-------------|-----------------|------|----------------|
| 1.  | PCB    | BLACK       | FR4             | 1    |                |
| 2.  | Cable  | BLACK       | --              | 1    | ø1.37 Low Loss |
| 3.  | IPEX   | GOLD PLATED | PHOSPHOR BRONZE | 1    | MHF4L          |
| 4.  | 雙面泡綿背膠 | BLACK       | --              | 1    |                |

| PROJECTION                                                                            |       | TOLERANCE UNLESS OTHERWISE SPECIFIED |      |          | 亞驪企業股份有限公司<br>ARISTOTLE ENTERPRISES INC. |
|---------------------------------------------------------------------------------------|-------|--------------------------------------|------|----------|------------------------------------------|
|  |       | LINER                                |      | ANGLE    |                                          |
| UNITS                                                                                 |       | .X ±1.0                              |      | X° ±5°   |                                          |
| MM                                                                                    |       | .XX ±0.5                             |      |          |                                          |
|                                                                                       |       | .XXX ±0.2                            |      |          | TITLE                                    |
| REV.                                                                                  | A     |                                      |      |          | RFA-27JP818P174BS450                     |
| SHEET                                                                                 | 1/1   | CHKD.                                |      |          | DWG NO.                                  |
| SIZE                                                                                  | SCALE |                                      |      |          |                                          |
| A4                                                                                    | 1:1   | DRAW                                 | Gino | 20240418 | RFA-27JP818P174BS450                     |

|      |      |      |      |       |       |
|------|------|------|------|-------|-------|
| 3.   |      |      |      | REV.  | A     |
| 2.   |      |      |      | SHEET | 1/1   |
| 1.   |      |      |      | SIZE  | SCALE |
| REV. | ECN. | NAME | DATE | A4    | 1:1   |

### RFA-27JP818P174BS450

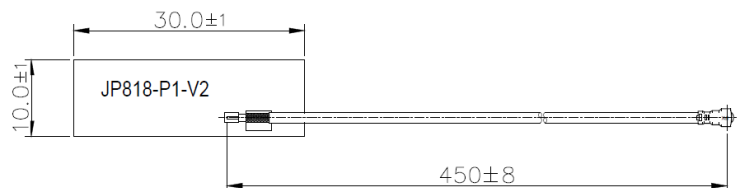
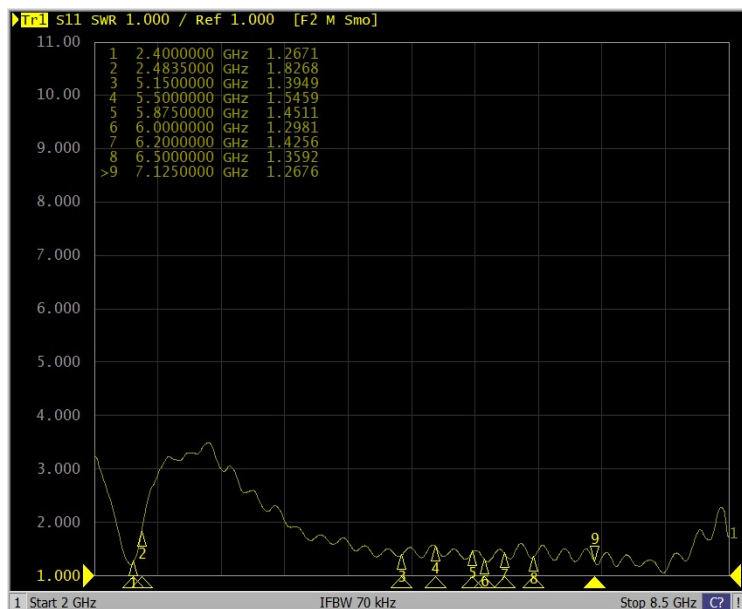
#### Electrical Specifications

| Frequency range | 2400-2500 MHz               | 5150-5470 MHz | 5600-7125 MHz |
|-----------------|-----------------------------|---------------|---------------|
| Peak Gain       | 3.21 dBi                    | 3.58 dBi      | 4.67 dBi      |
| Average Gain    | -2.04 dBi                   | -2.42 dBi     | -3.23 dBi     |
| VSWR            | 2.5 : 1 Max.                | 2.0 : 1 Max.  | 2.0 : 1 Max.  |
| Polarization    | Linear, vertical            |               |               |
| Impedance       | 50 $\Omega$                 |               |               |
| Connector       | IPEX MHF4L                  |               |               |
| Cable           | $\varnothing$ 1.37 low loss |               |               |

#### Environmental & Mechanical Characteristics

|             |                 |
|-------------|-----------------|
| Temperature | - 10°C to +55°C |
| Humidity    | 95% @ 25°C      |

#### VSWR

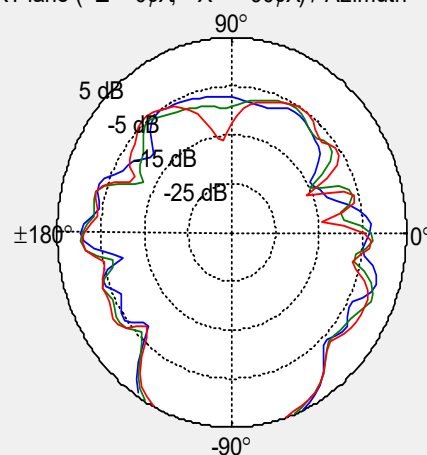
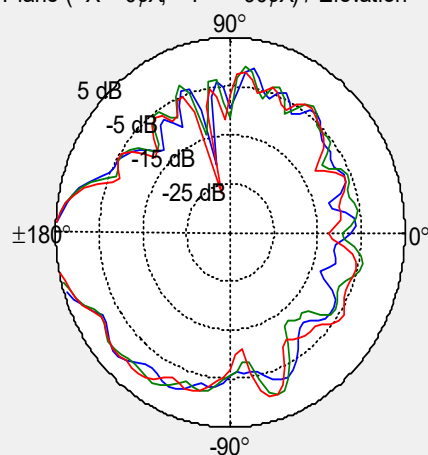
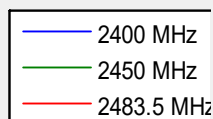


## Radiation Pattern

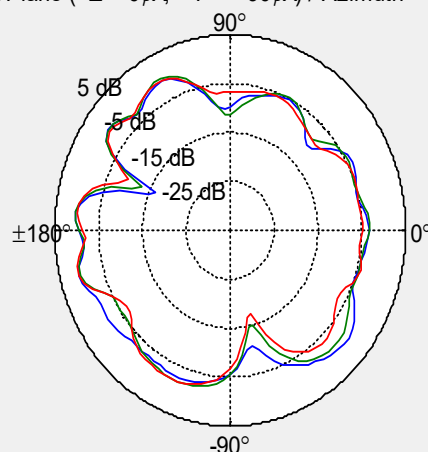
2G Band = 2400 - 2500 MHz % 2G BAND

XY Plane (+X = 0°X, +Y = +90°X) / Elevation = 90°X

ZX Plane (+Z = 0°X, +X = +90°X) / Azimuth = 0°X

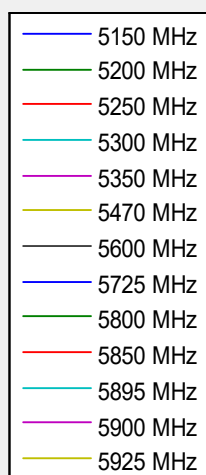


YZ Plane (+Z = 0°X, +Y = +90°X) / Azimuth = 90°X

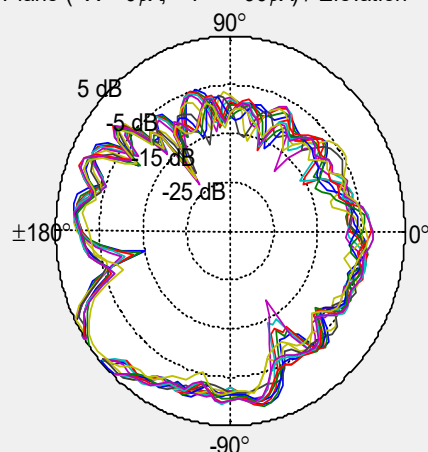


## Radiation Pattern

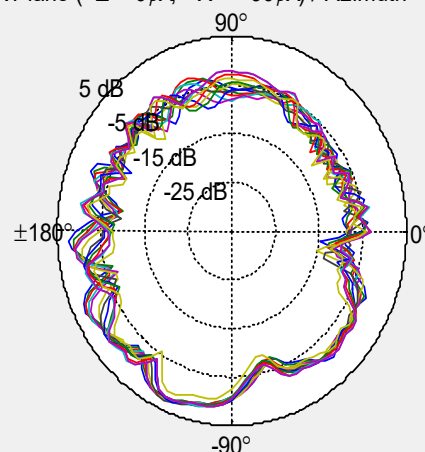
5G Band = 4900 - 5975 MHz



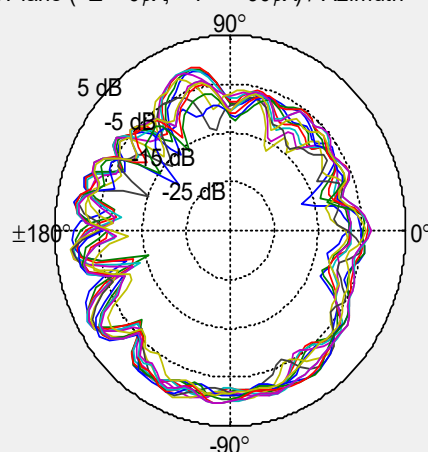
XY Plane (+X = 0°X, +Y = +90°X) / Elevation = 90°X



ZX Plane (+Z = 0°X, +X = +90°X) / Azimuth = 0°X



YZ Plane (+Z = 0°X, +Y = +90°X) / Azimuth = 90°X

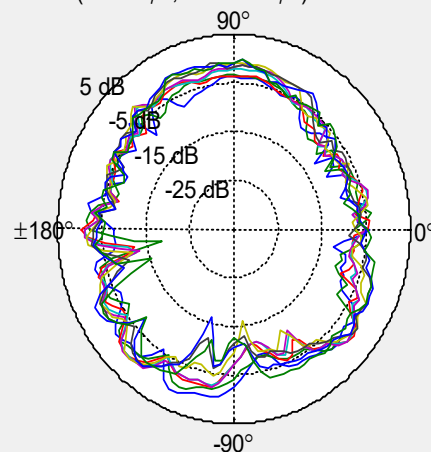
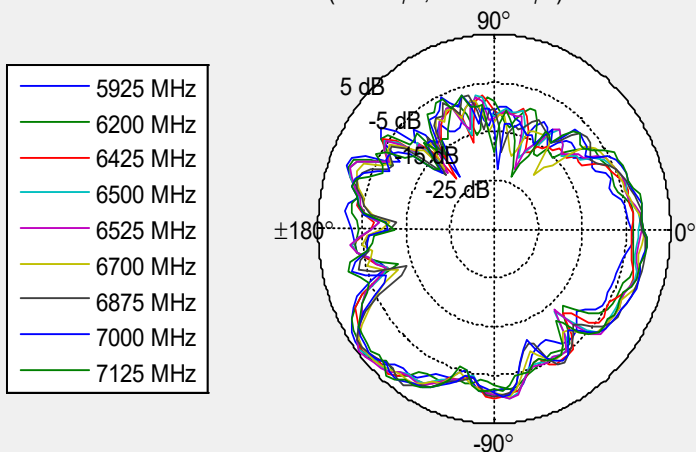


## Radiation Pattern

6G Band-2 = 5925 - 8500 MHz

XY Plane (+X = 0°X, +Y = +90°X) / Elevation = 90°X

ZX Plane (+Z = 0°X, +X = +90°X) / Azimuth = 0°X



YZ Plane (+Z = 0°X, +Y = +90°X) / Azimuth = 90°X

