# 電工實驗 5

第三次實驗 預報

Date: 2024/10/15

Class: 電機四全英班

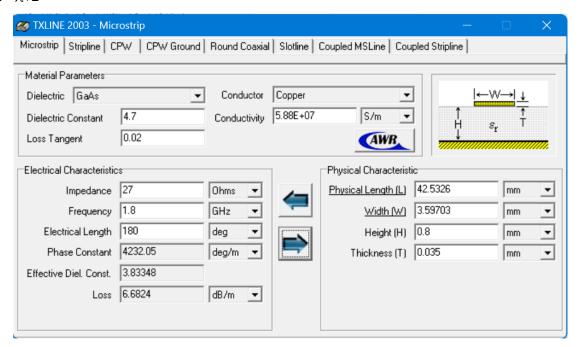
Group: Group 9

Name: B103105006 胡庭翊

B103015018 劉姵好

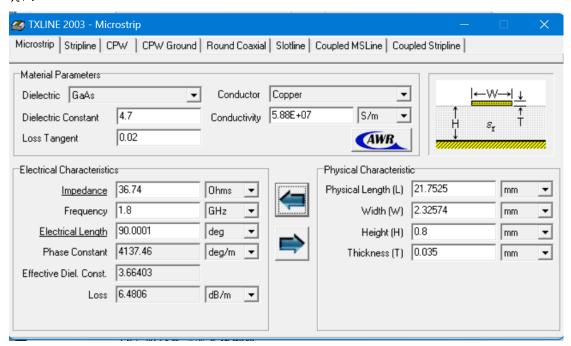
#### I. TXLINE 參數設定

#### A. $\lambda/2$



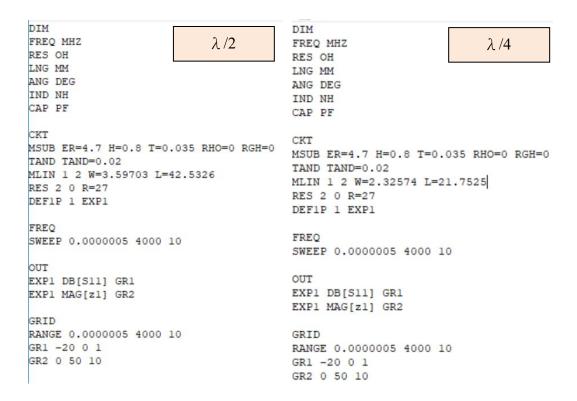
特性阻抗設為  $27\Omega$ ,得到線長為 42.5326mm,線寬為 3.59703mm。

#### B. $\lambda/4$



特性阻抗為 $\sqrt{(27*50)}$ =36.7423 $\Omega$ ,得到線長為 21.7525mm,線寬為 2.32574mm。

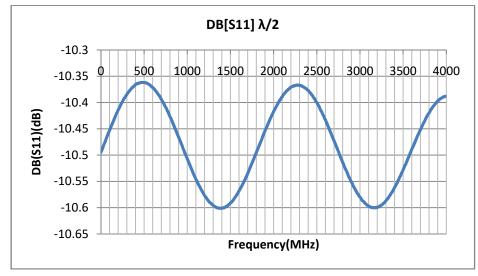
#### II. Libra 的 code



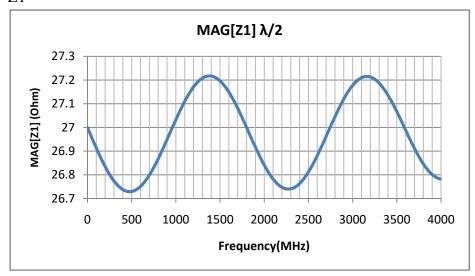
#### III. 模擬結果

#### A. $\lambda/2$

### 1. S11

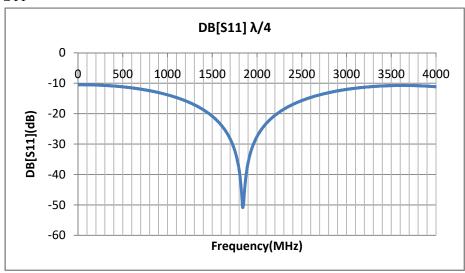


2. Z1



B.  $\lambda/4$ 

# 1. S11



## 2. Z1

