

# PRODUCT SPECIFICATION

## 1. Technical Information

**Note:** Provide by manufacturer.

### 1.1. Manufacturer

|                              |                                                                                  |
|------------------------------|----------------------------------------------------------------------------------|
| <b>Manufacturer:</b>         | SHANGHAI MOUNTAIN VIEW SILICON CO,. LTD                                          |
| <b>Manufacturer Address:</b> | Suite 4C, Building 3, 1238 Zhangjiang Road, Pudong New District, Shanghai, China |

## 2. Test Results

### 2.1. Applied Reference Documents

Leading reference documents for testing:

| No. | Identity               | Document Title                             |
|-----|------------------------|--------------------------------------------|
| 1   | ANSI/IEEE Std 149-2008 | IEEE Standard Test Procedures for Antennas |

### 2.2. Test Conditions

Test Environment Conditions:

|                    |                  |
|--------------------|------------------|
| Relative Humidity: | 25 ... 75 %      |
| Temperature:       | +10 °C to +30 °C |

### 2.3. Test Results lists

#### 2.3.1. Gain

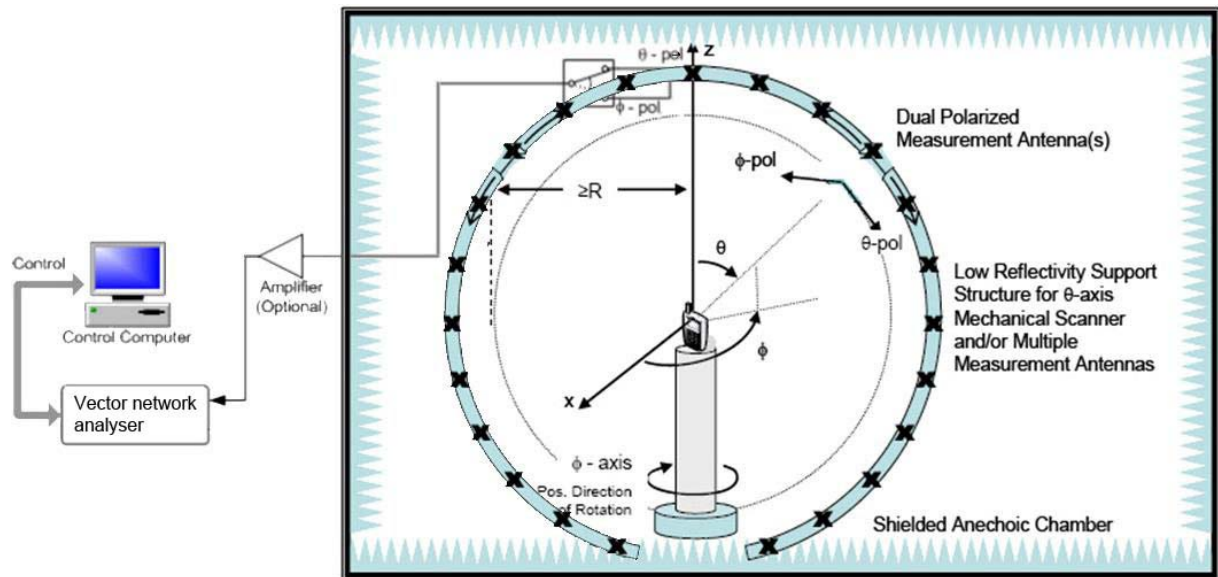
| Frequency | Gain(dBi) |
|-----------|-----------|
| 2400MHz   | 2.81      |
| 2410MHz   | 2.74      |
| 2420MHz   | 3.38      |
| 2430MHz   | 2.73      |
| 2440MHz   | 1.01      |
| 2450MHz   | 1.26      |
| 2460MHz   | 1.50      |
| 2470MHz   | 1.49      |
| 2480MHz   | 1.42      |
| 2490MHz   | 0.36      |
| 2500MHz   | 0.33      |

### 2.3.2.Return Loss/VSWR/Input Impedance

| Frequency | Return Loss (dB) | VSWR | Input Impedance( $\Omega$ ) |
|-----------|------------------|------|-----------------------------|
| 2400MHz   | -7.23            | 2.53 | 25.37                       |
| 2440MHz   | -6.47            | 2.80 | 17.99                       |
| 2450MHz   | -6.22            | 2.90 | 17.18                       |
| 2480MHz   | -5.18            | 3.44 | 15.55                       |
| 2500MHz   | -4.56            | 3.89 | 15.48                       |

## Annex A

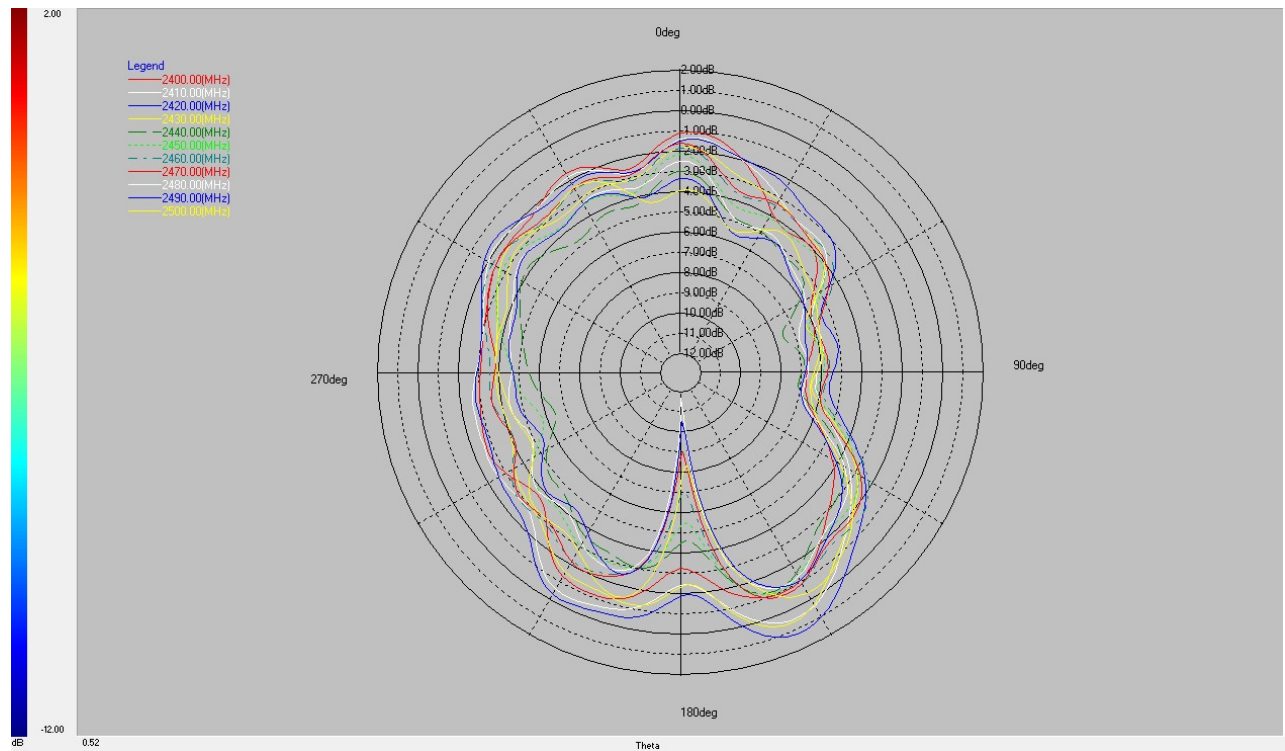
### 1. Test Setup



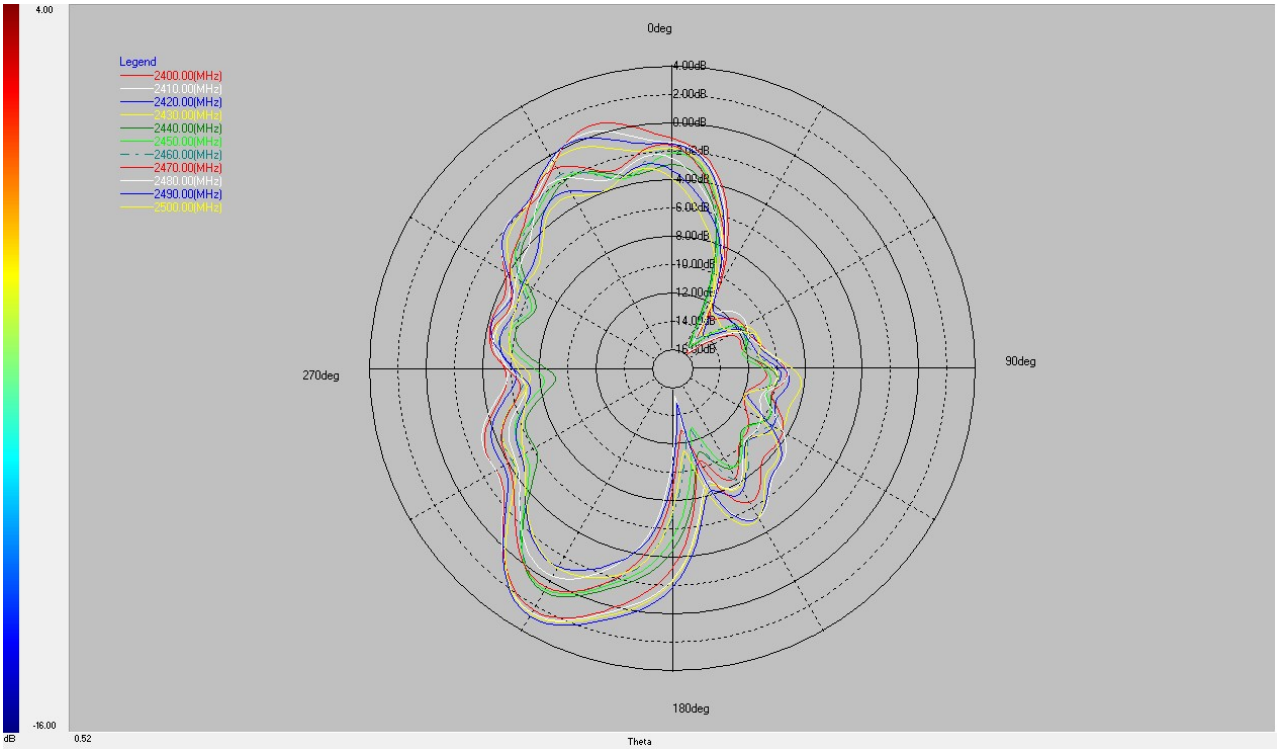
## Annex B Figures

### 1. 2D Radiation Pattern

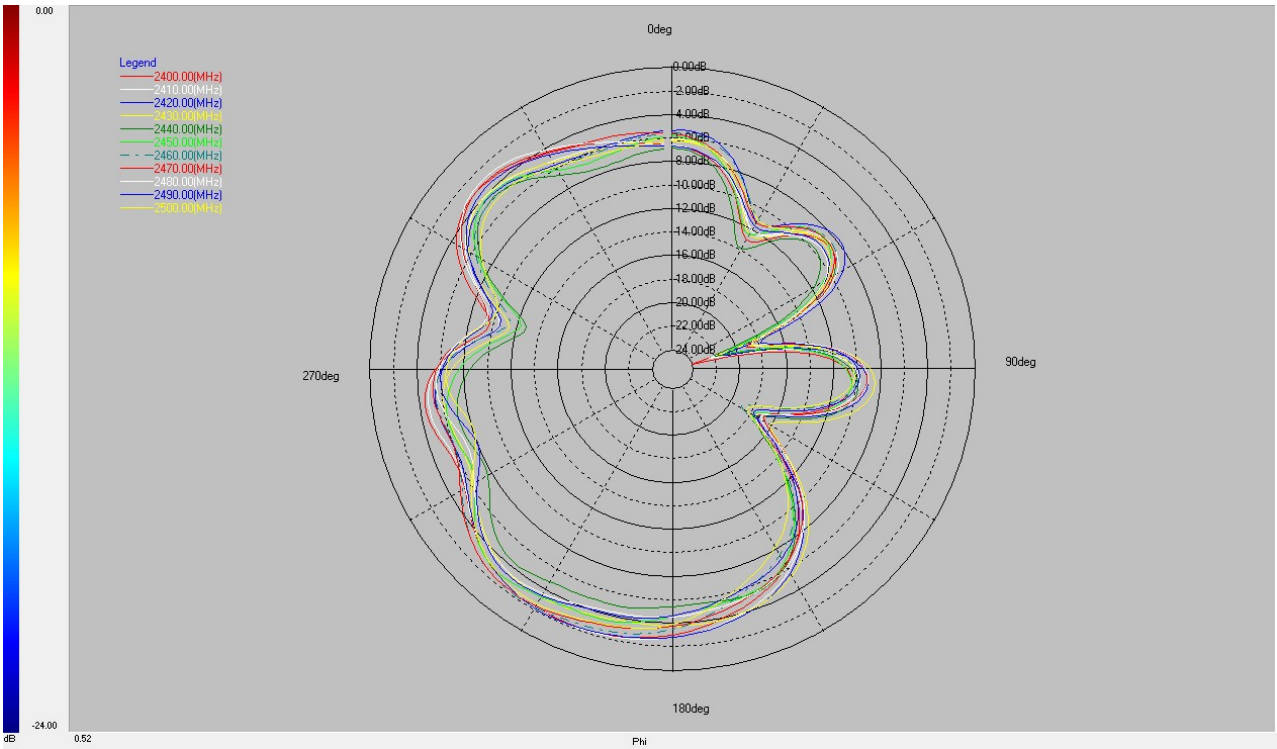
Phi=0°



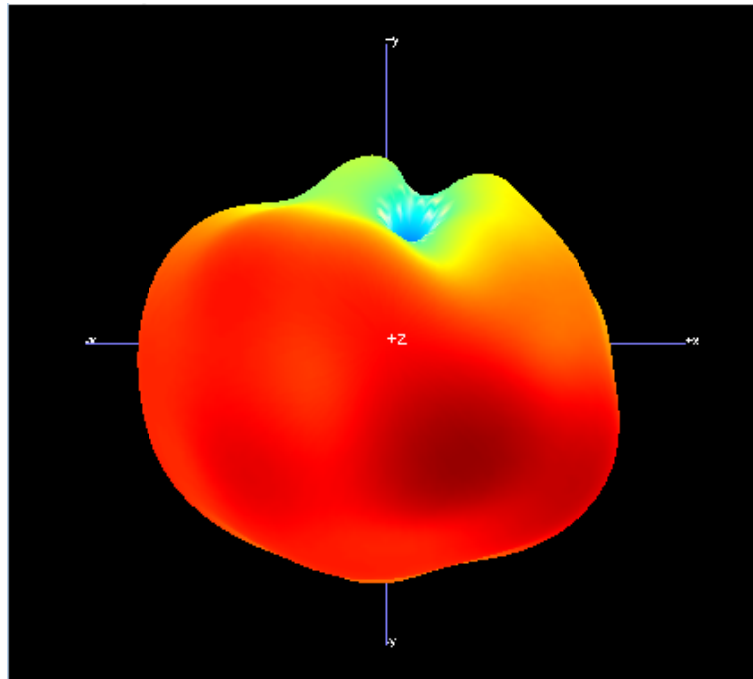
Phi=90°



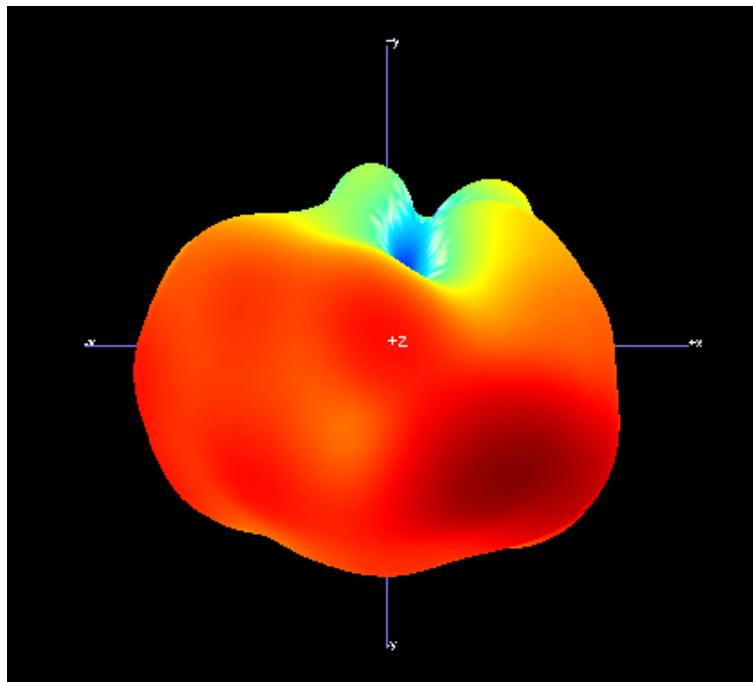
Theta=90°



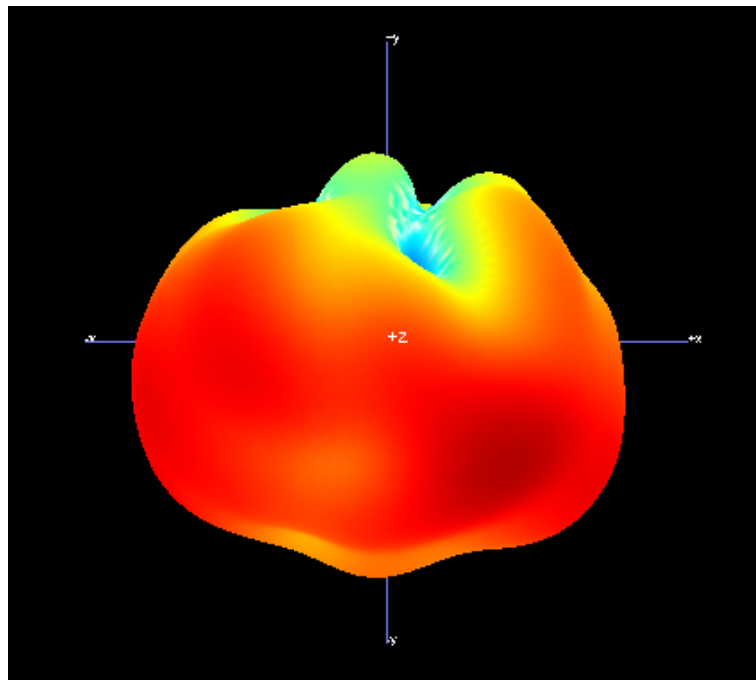
## 2. 3D Radiation Pattern



2400MHz

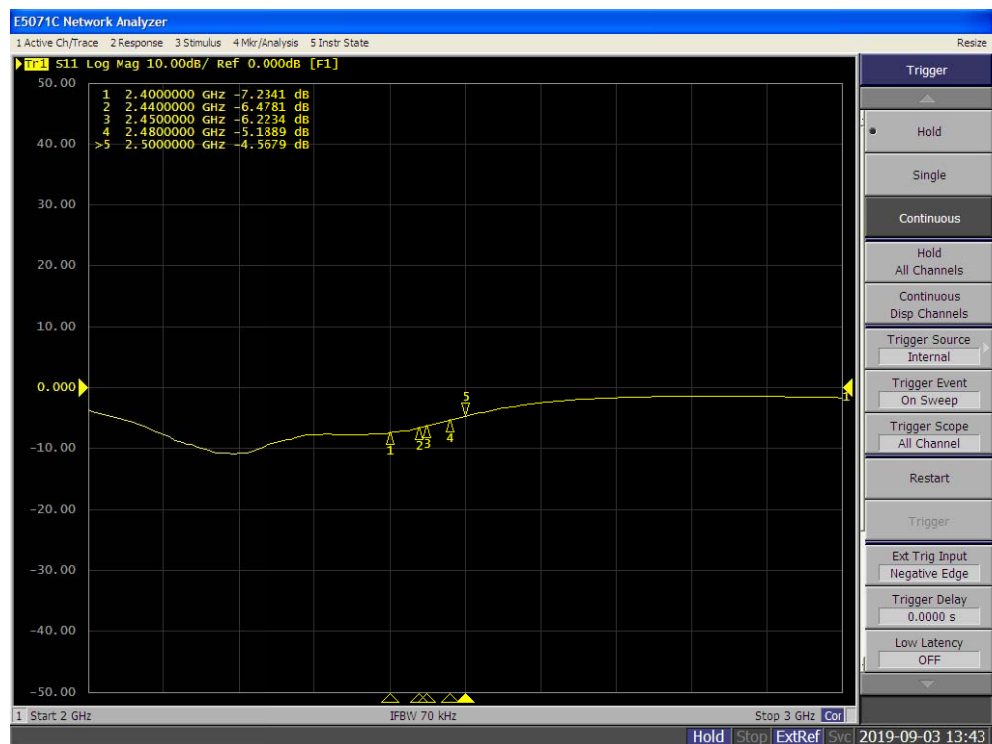


2450MHz

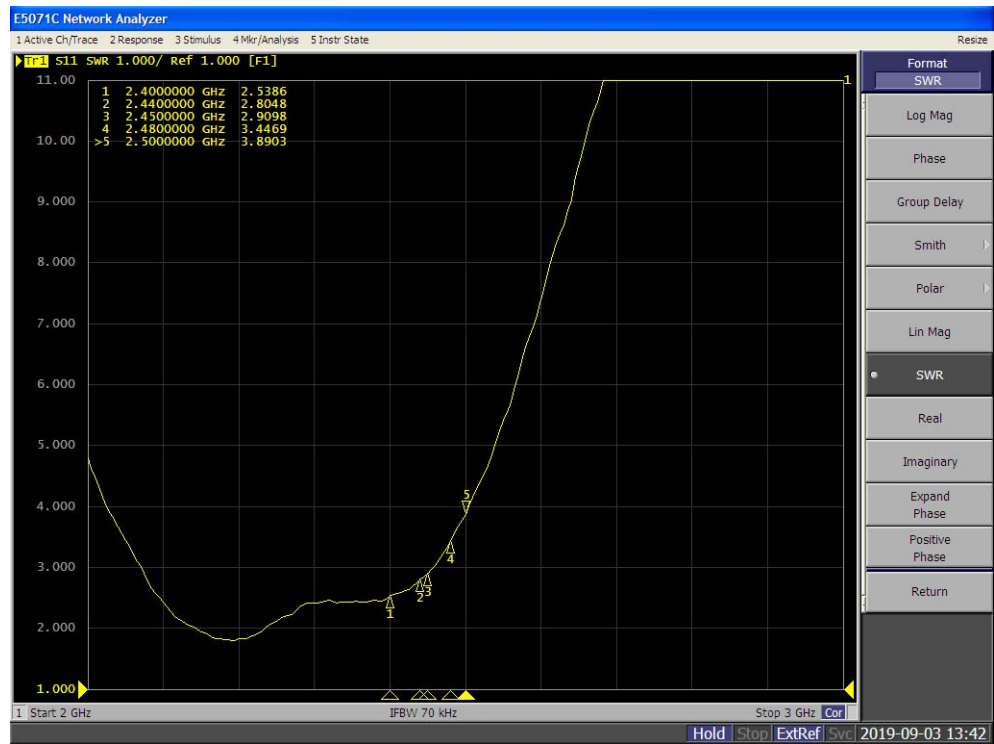


2500MHz

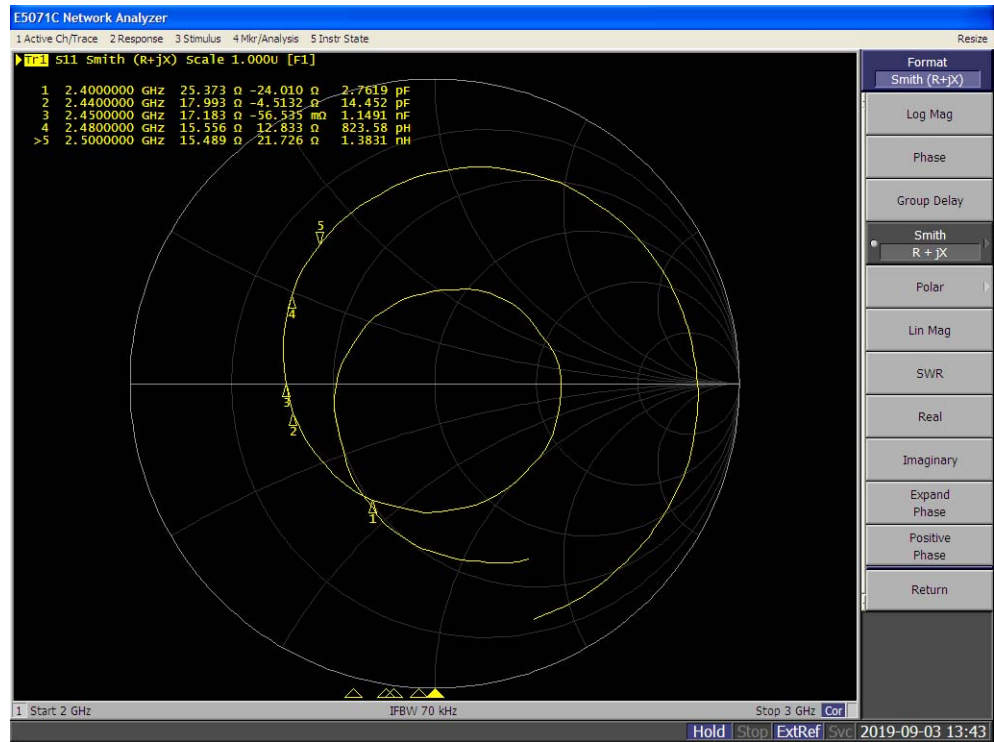
### 3. Return Loss



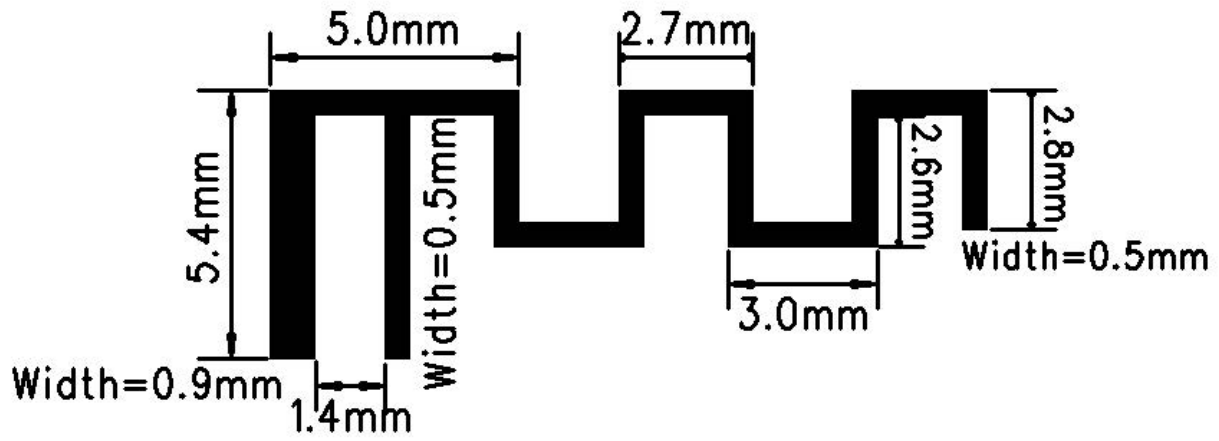
## 4. VSWR



## 5. Input Impedance



## Antenna Photo & Length (mm)



Actual Size