

# Antenna Test Report

|                     |            |
|---------------------|------------|
| Customer            | FLYSKY     |
| Project             |            |
| Antenna Revision    | 1.1        |
| Product Description | FPC        |
| Module Name         | FG4_2.4GHZ |

## **Purpose**

This report is to measure the performance of FG4 FPC antenna.  
all test are showed as below.

## **Content**

### 1. Product Overview & Dimension

### 2. Test Result

#### 2.1 VSWR

#### 2.2 Antenna Matching Network

#### 2.3 Gain & Efficiency

#### 2.4 3D Data

### 3. Conclusion



## 2. Test Result

### 2.1 VSWR



|                 |      |      |      |
|-----------------|------|------|------|
| Frequency (MHz) | 2400 | 2450 | 2500 |
| VSWR            | 3.31 | 1.42 | 2.89 |

## 2.2 Antenna Matching Network

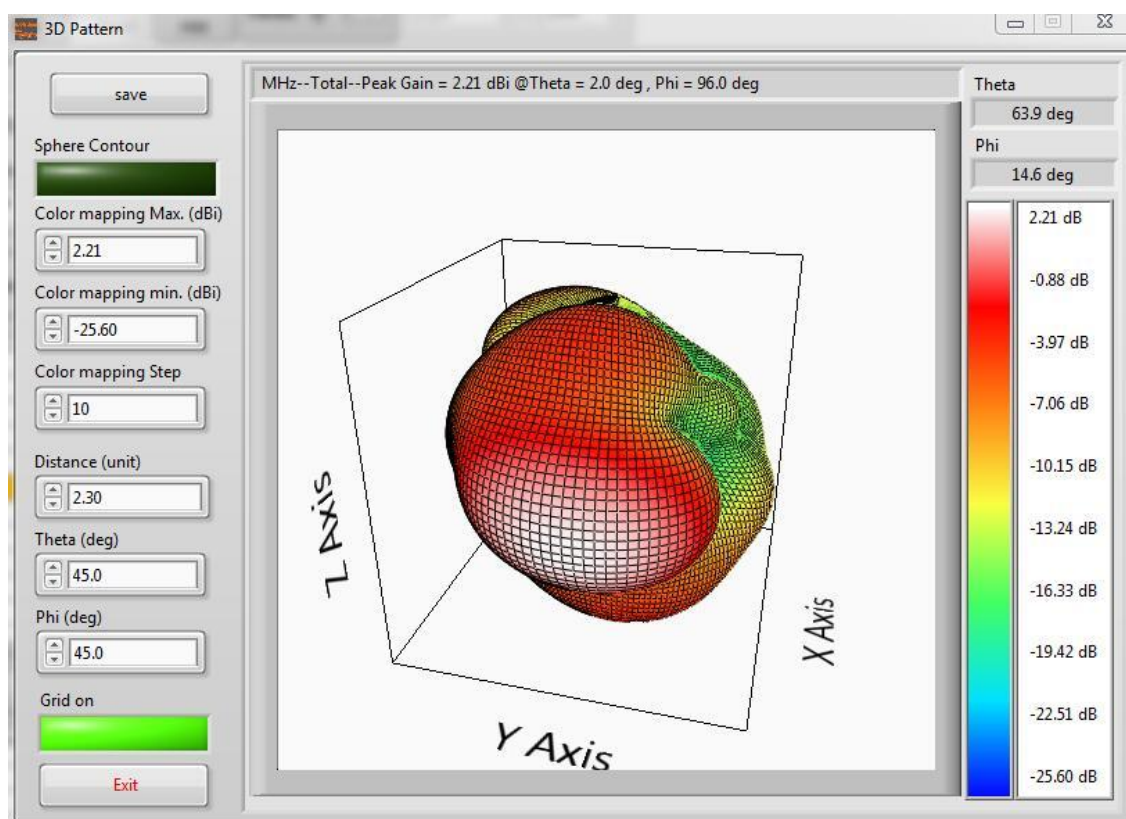
PCB board side of the matching circuit is not changed.

## 2.3 Gain & Efficiency

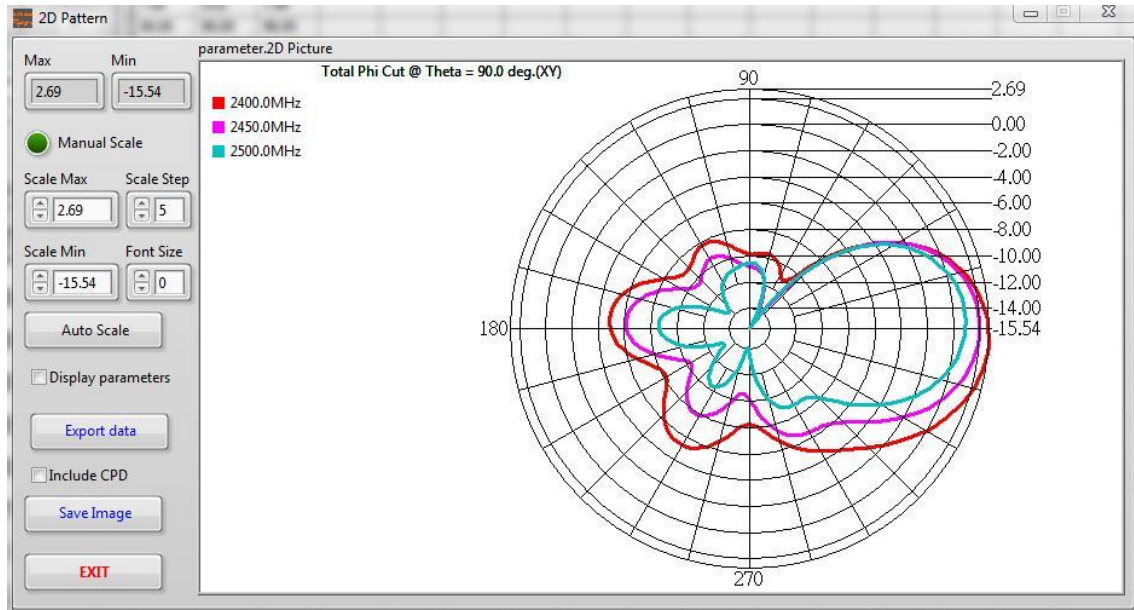
| Frequency (MHz) | Efficiency(%) | Average Gain | Peak Gain |
|-----------------|---------------|--------------|-----------|
| 2400            | 29.12         | -5.36        | 2.15      |
| 2450            | 20.71         | -6.84        | 2.21      |
| 2500            | 13.48         | -8.70        | 1.18      |

## 2.4 3D Data

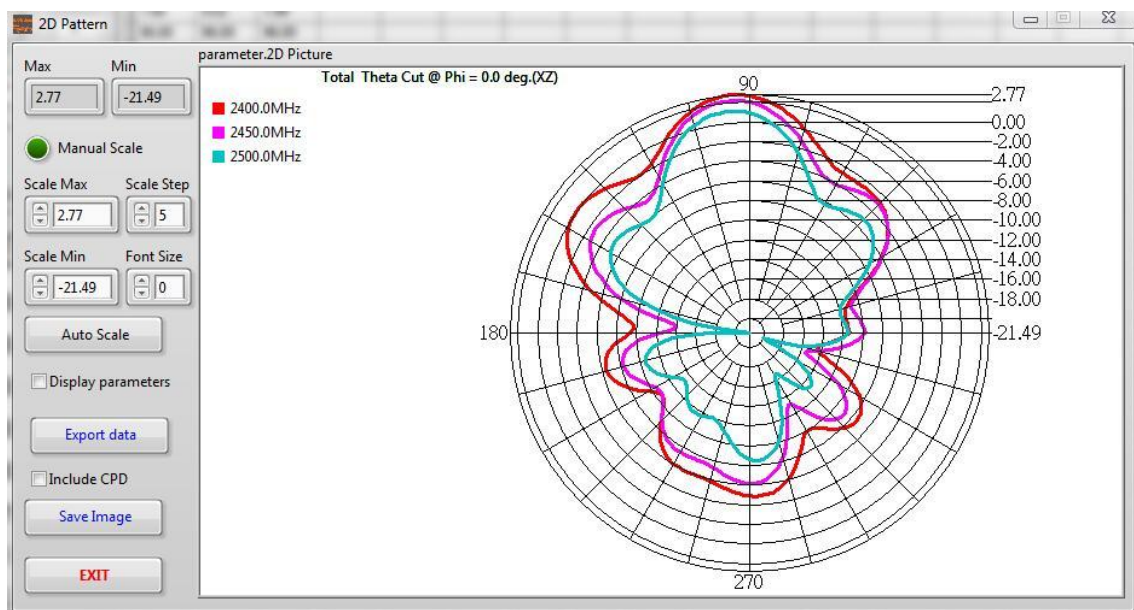
### 2. 45G-3D



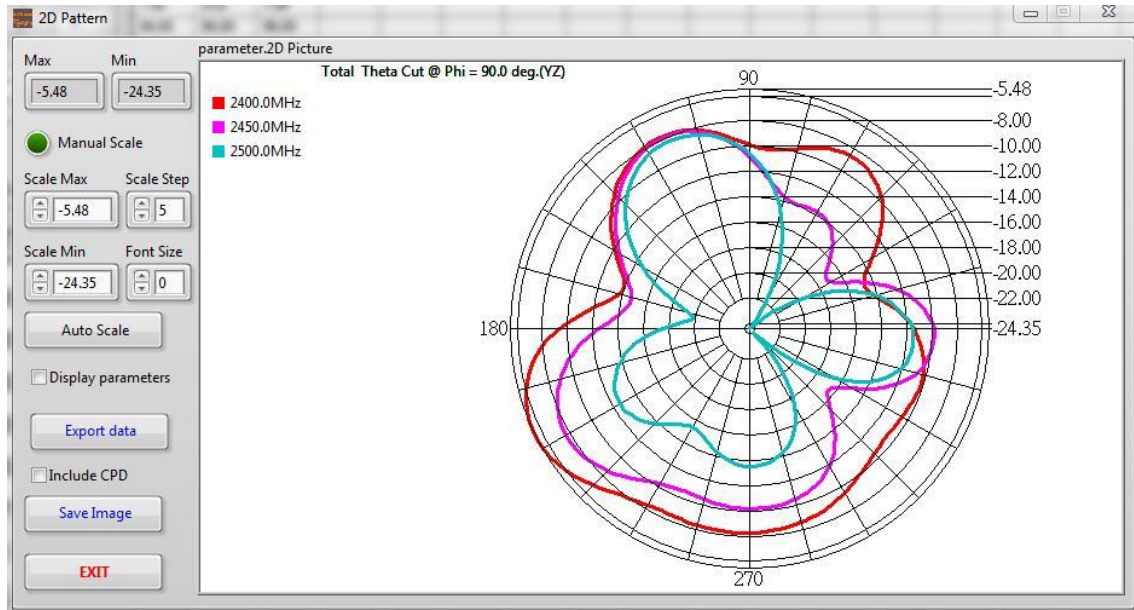
## XY-2D



## XZ-2D



## YZ-2D



### 3. Conclusion

Passive performance of antenna OK。