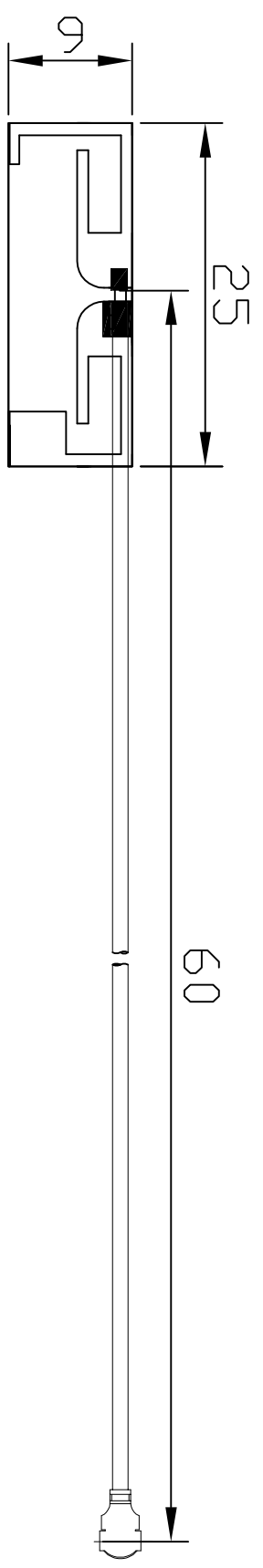


# Confirmation Letter

## Project Table

| NO. | Contents     | Number of<br>Page | Page<br>Code |
|-----|--------------|-------------------|--------------|
| 1   | Spec Cover   | 1                 | 1            |
| 2   | Spec Item    | 1                 | 2            |
| 3   | Drawing      | 1                 | 3            |
| 4   | Test Reports | 1                 | 4            |
| 5   | S Parameter  | 1                 | 5            |
| 6   | Gain Test    | 1                 | 6            |
| 7   |              |                   |              |
| 8   |              |                   |              |
| 9   |              |                   |              |
| 10  | -            | -                 | -            |
| 11  | -            | -                 | -            |
| 12  | -            | -                 | -            |

| SIGN | DATE | DESCRIPTION | APPROVER |
|------|------|-------------|----------|
| A    |      |             |          |
| A    |      |             |          |
| A    |      |             |          |



|     |              |               |                   |      |
|-----|--------------|---------------|-------------------|------|
| 3   | MX24CXIP-A01 | FPC           | FPC 25*9*0.3mm    | 1    |
| 2   | R-CB-113B    | Coaxial Cable | O.D. 1.13mm Black | 1    |
| 1   | CI-113       | Connector     | IPEX              | 1    |
| No. | Part Number  | Name          | Material          | Q'ty |

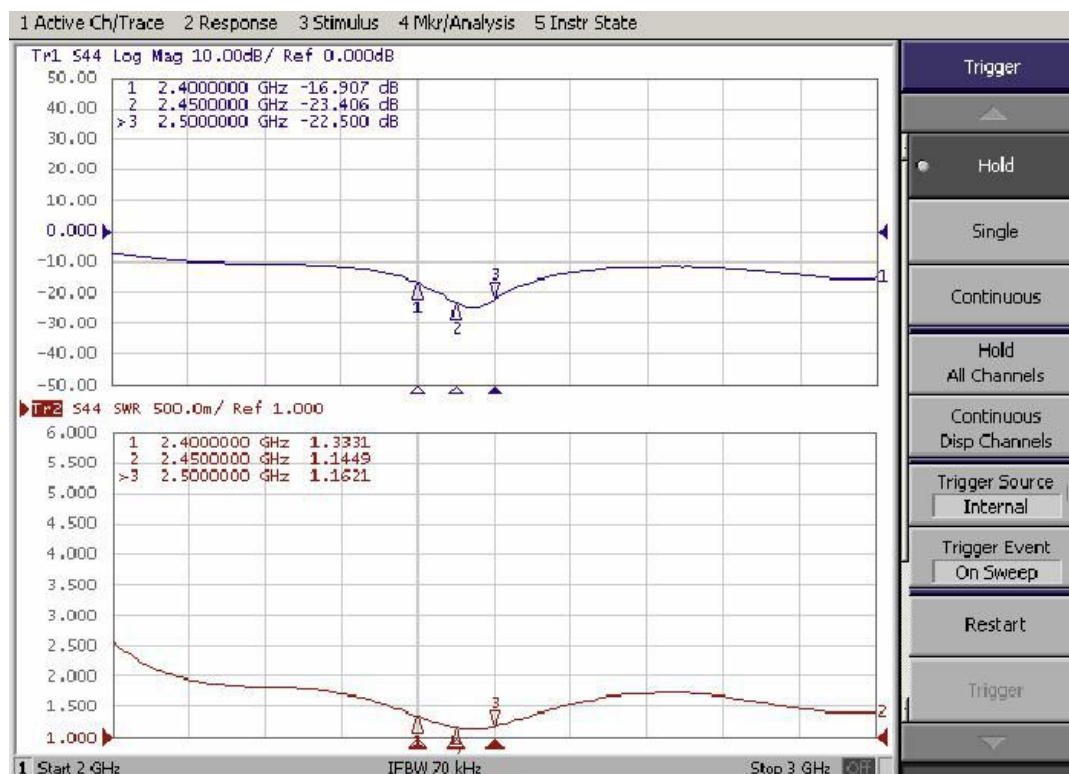
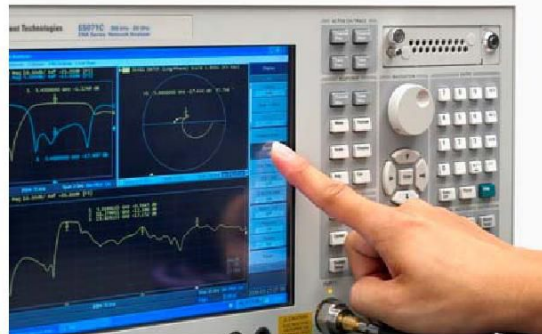
|                              |                    |                  |             |            |  |
|------------------------------|--------------------|------------------|-------------|------------|--|
| TITLE:2.4G ANTENNA           |                    |                  |             |            |  |
| PART NO.: MX24CXIP-113B-60LX |                    |                  | DWG NAME:   |            |  |
| APPROVED BY                  | CHECKED BY         | DESIGNED BY      | Tolerance   |            |  |
| Jeff<br>2014-03-18           | leon<br>2014-03-18 | YD<br>2014-03-18 | UNITS: mm   | X.X ±0.20  |  |
|                              |                    |                  | SCALE: 1/1  | X.XX ±0.10 |  |
|                              |                    |                  | REVISION: A | X° ±3°     |  |

# Test Reports

| Electrical Properties |                           |
|-----------------------|---------------------------|
| Frequency             | 2.4GHz                    |
| Impedance             | 50 Ohm Nominal            |
| V.S.W.R               | 1.92 : 1 Max              |
| Return Loss           | -10 dB Max                |
| Radiation             | Omni-directional          |
| Gain (Peak)           | 3dBi                      |
| Cable Loss            | 3.2 dB / m Max @ 2450 MHz |
| Polarization          | Linear, Vertical          |
| Admitted Power        | 1 W                       |
| Connector             | ipex                      |
| Physical Properties   |                           |
| Antenna Material      | FPCB                      |
| Cable Type            | O.D. 1.13mm // 060 mm     |
| Operating Temp.       | -10 ~ +60 °C              |
| Storage Temp.         | -10 ~ +70 °C              |
| Cable Color           | Black                     |

# S Parameter Test

*Agilent E5071C*



# Gain Test

*Antenna  
Radiation  
Pattern  
VS  
Gain*

