

# acknowledgment

## SPECIFICATION FOR APPROVAL

Customer name

CUSTOMER NAME:

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product name

PRODUCT NAME: 2.4G – 2dBi small contrary SMA copper head male pin  
black antenna

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Customer item number

CUSTOMER P/N:

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Electronic material number

P/N:

REV: A

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|              |                           |                       |
|--------------|---------------------------|-----------------------|
|              | MANUFACTURER<br>SIGNATURE | CUSTOMER<br>SIGNATURE |
| CHECKED BY:  |                           |                       |
| AUDITOR BY:  |                           |                       |
| APPROVED BY: |                           |                       |
| DATE:        | 2016-07-06                |                       |

# Contents

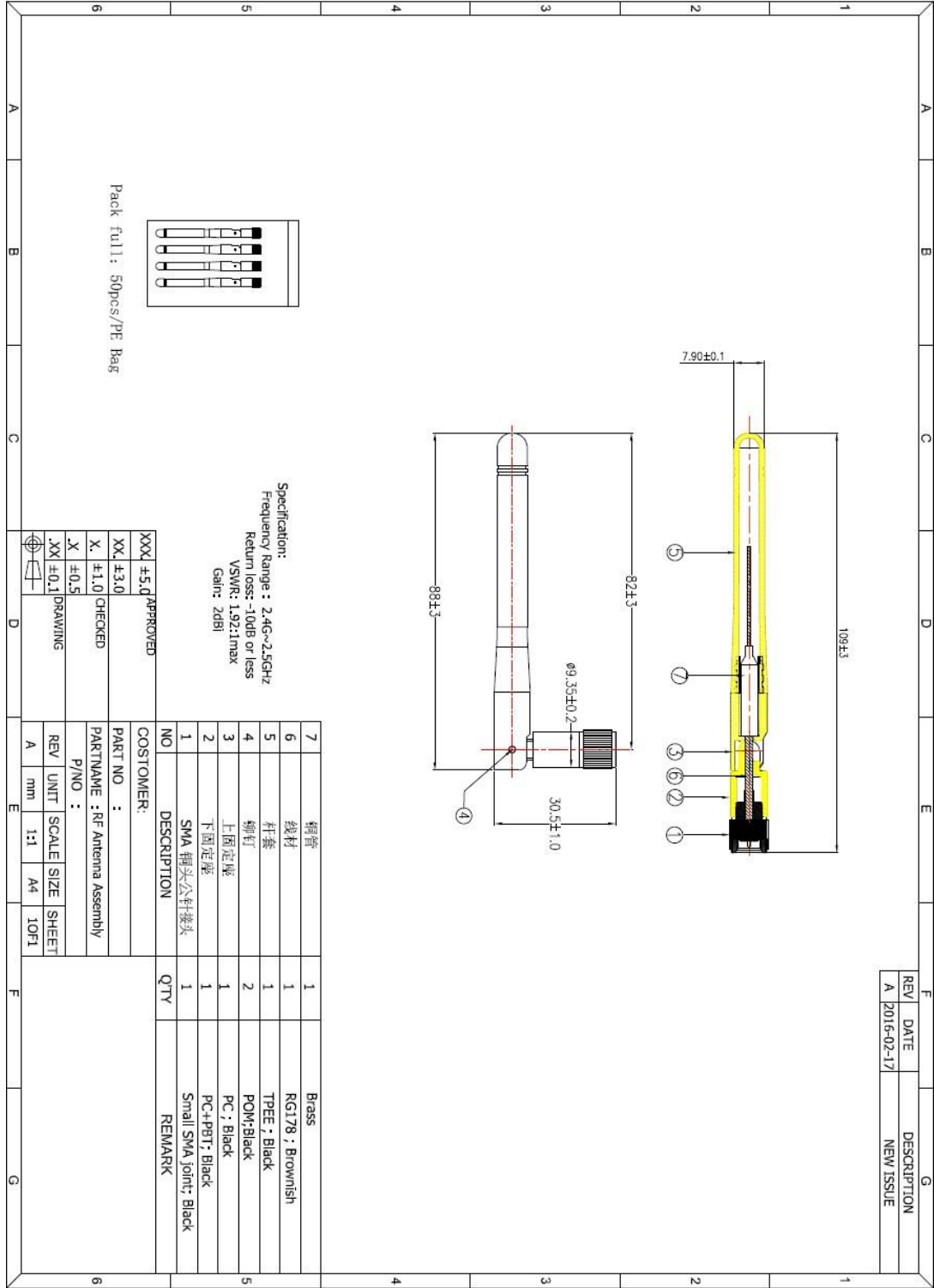
| <i>Item</i>                      | <i>Description</i> |
|----------------------------------|--------------------|
| One, -----<br>Table              | Specification      |
| Second, -----<br>product drawing | Finished           |
| Third, -----                     | test report        |

I. Specification Sheet:

Main technical parameters of products

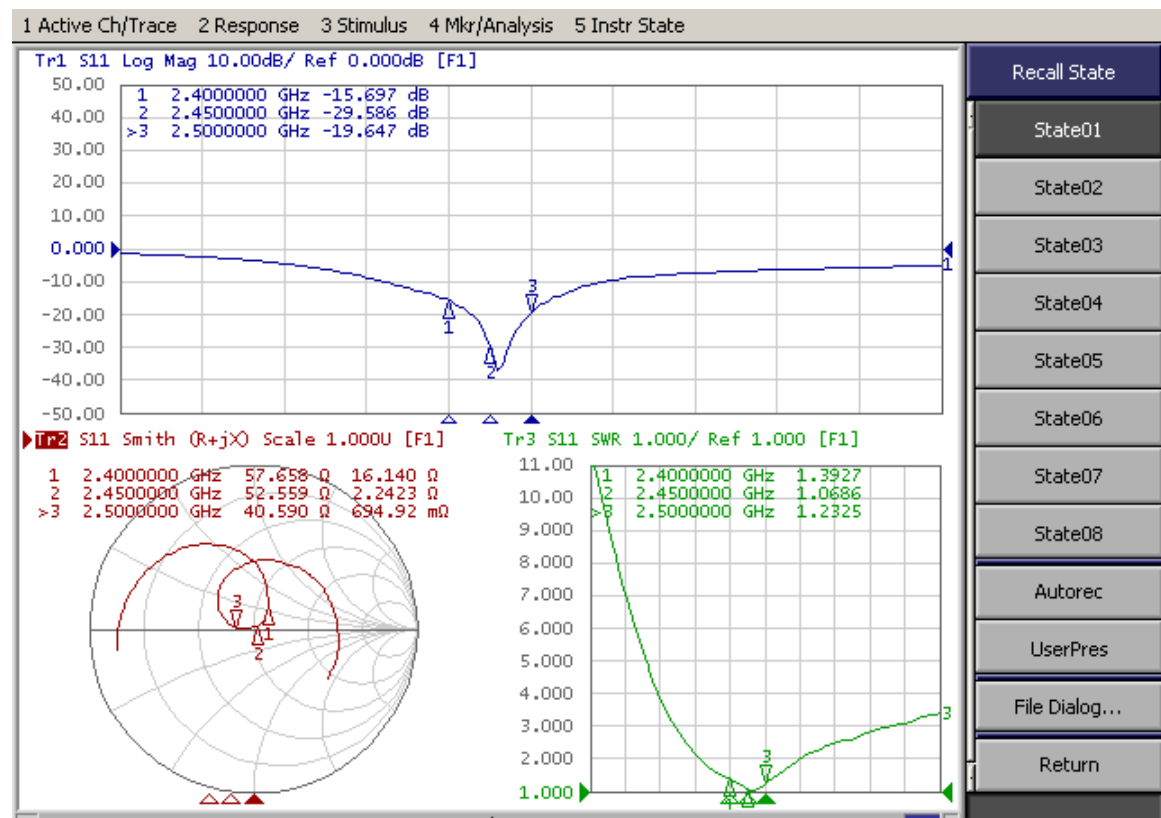
| the key technical indexes          |                       | Main technical specifications |                  |
|------------------------------------|-----------------------|-------------------------------|------------------|
| frequency range<br>(MHZ)           | 2400-2500             | Frequency Range<br>(MHZ)      | 2400-2500        |
| Characteristic impedance ( )       | 50                    | Impedance(Ω)                  | 50               |
| Gain (dBi)                         | 2±0.5                 | Gain(dBi)                     | 2±0.5            |
| Output voltage standing wave ratio | ≦ 1.92                | VSWR                          | ≦ 1.92           |
| Maximum power                      | 10W                   | Admitted Power                | 10W              |
| Polarization mode                  | vertical polarization | Polarization                  | Linear,Vertical  |
| directionality                     | Omnidirectional       | Radiation                     | Omni-directional |
| attended mode                      | Contrary SMA          | Connector Type                | Contrary SMA     |
| physical property                  |                       | Physical Properties           |                  |
| Antenna jacket material            | TPEE                  | Antenna cover                 | TPEE             |
| Working temperature                | -20℃~+70℃             | Operating Temp                | -20℃~+70℃        |
| Preservation temperature           | -20℃~+70℃             | Storage Temp                  | -20℃~+70℃        |

Second, the finished product drawing:

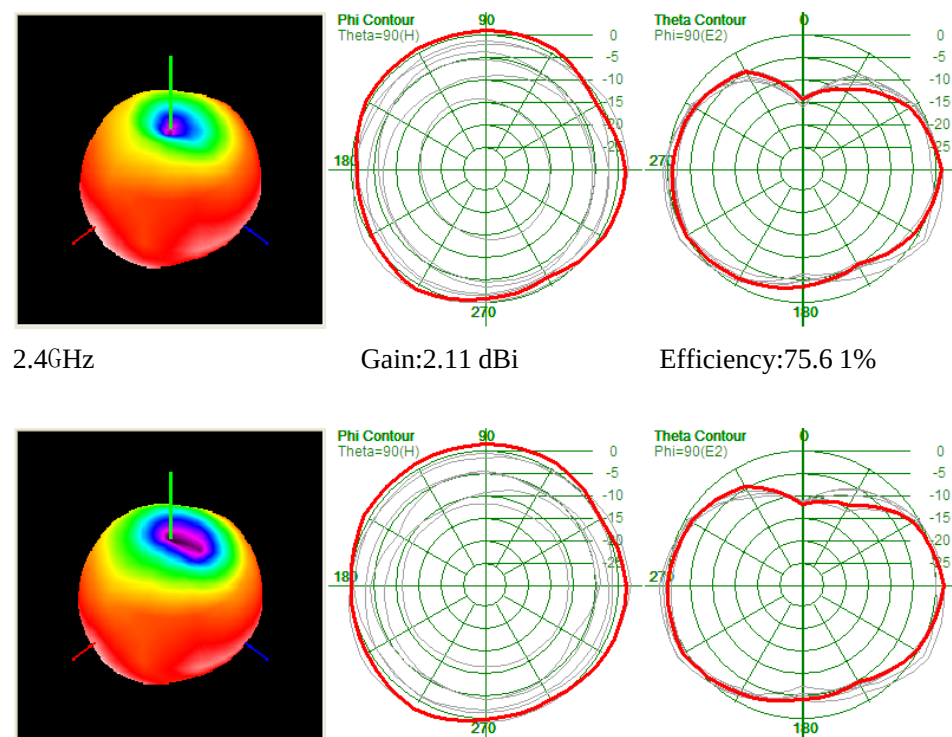


### III. Test Report

#### 3.1: network analyzer test report



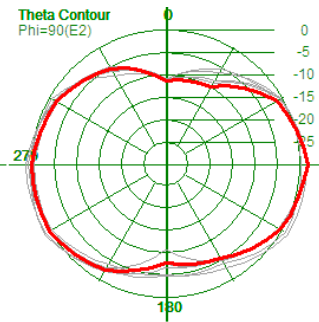
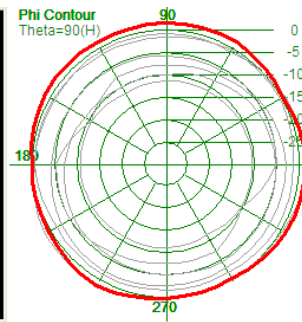
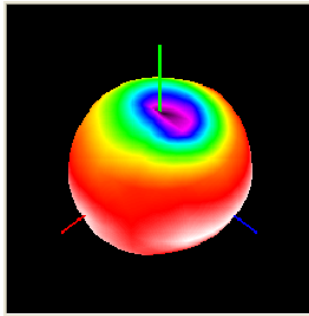
#### 3.2: darkroom 2D, 3DRadiation Pattern



2.45GHz

Gain: 2.23dBi

Efficiency: 78.45%



2.5GHz

Gain: 2.36dBi

Efficiency: 79.32%