

# Spec Cover

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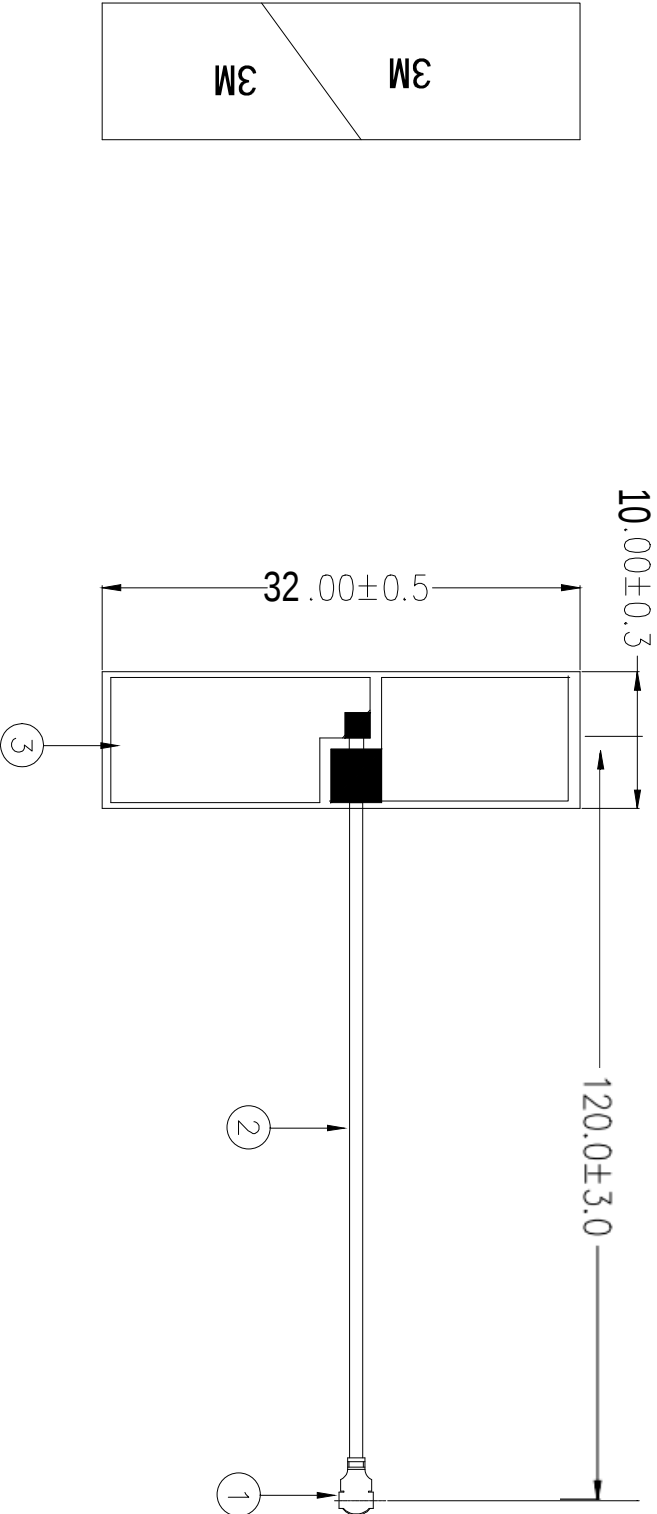
# Product specifications

| Electrical Properties |                           |
|-----------------------|---------------------------|
| Frequency             | 2400MHz-2500MHz           |
| Impedance             | 50 Ohm Nominal            |
| V.S.W.R               | 1.92 : 1 Max              |
| Return Loss           | -10 dB Max                |
| Radiation             | Omni-directional          |
| Gain (Peak)           | 4dBi                      |
| 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 // 120 mm     |
| Operating Temp.       | -10 ~ +60 °C              |
| Storage Temp.         | -10 ~ +70 °C              |
| Cable Color           | Black                     |

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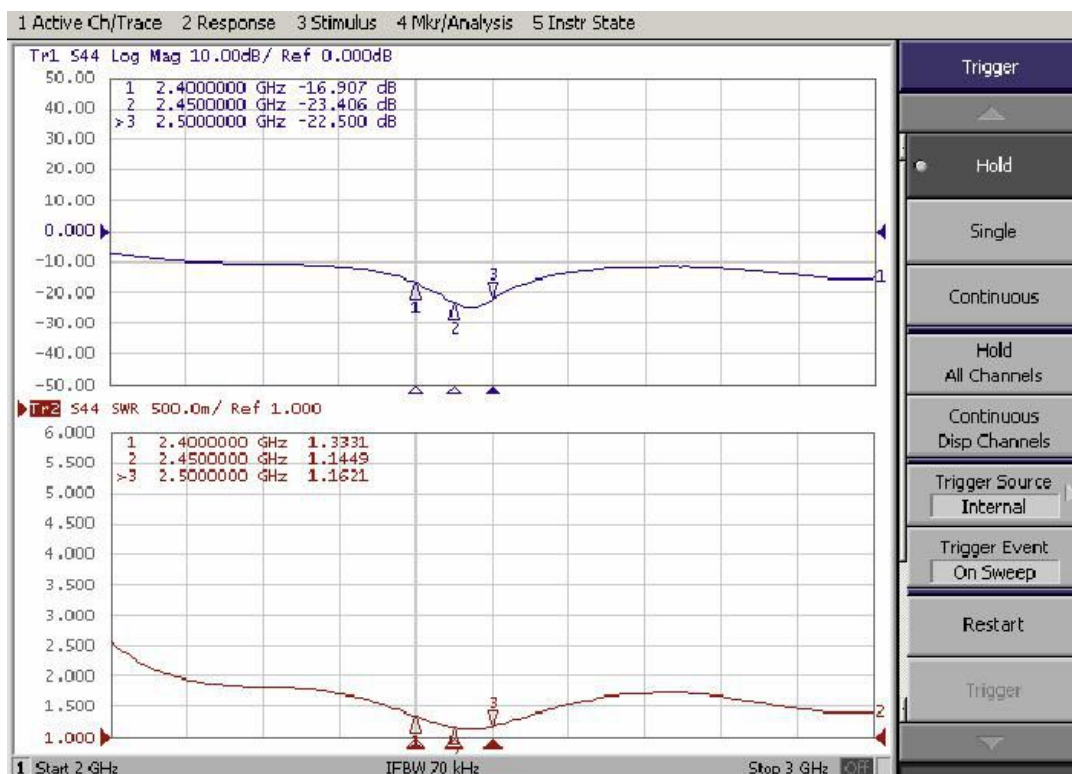
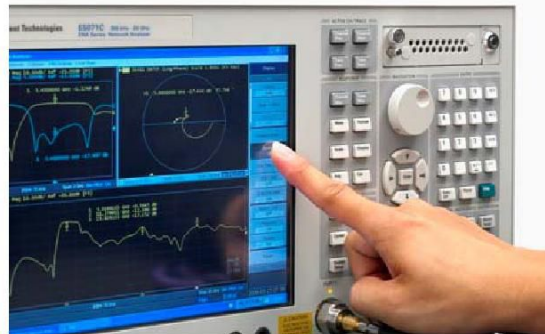


|     |             |               |                         |      |
|-----|-------------|---------------|-------------------------|------|
| 3   | NB030B      | FPC           | 32*10mm                 | 1    |
| 2   | R-CB-113B   | Coaxial Cable | SHOWA-O.D. 1.13mm Black | 1    |
| 1   | CI-113      | Connector     | Mini Connector          | 1    |
| No. | Part Number | Name          | Material                | Q'ty |

|                                      |  |            |             |             |                                              |  |  |
|--------------------------------------|--|------------|-------------|-------------|----------------------------------------------|--|--|
| Dongguan Maixun Electronics Co., Ltd |  |            |             |             | Tel:86-0769-33891210<br>Fax:86-0769-82381572 |  |  |
| TITLE: 2.4GHz Antenna                |  |            |             |             | PART NO.: NB030-13B-1X130                    |  |  |
| APPROVED BY                          |  | CHECKED BY | DESIGNED BY | UNITS: mm   | Tolerance                                    |  |  |
| jeff                                 |  | leon       | YD          | SCALE: 1/1  | X.X 00.20                                    |  |  |
| 2014-02-26                           |  | 2014-02-26 | 2014-02-26  | REVISION: A | X.XX 00.10                                   |  |  |
|                                      |  |            |             |             | XA 08A                                       |  |  |

# S Parameter Test

*Agilent E5071C*

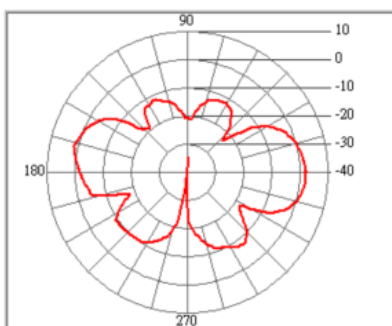
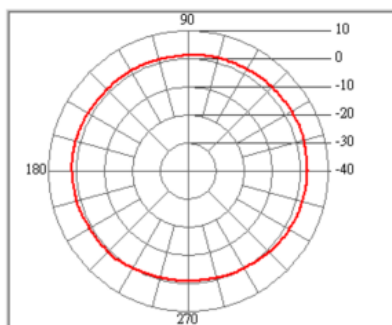


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# Gain Test

*Antenna  
Radiation  
Pattern  
VS  
Gain*



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