

**Description:** 2.4-2.5GHz Dipole swivel stick antenna

**PART NUMBER: W1030**



### Features:

- Frequency 2400-2500MHz
- Gain 2.0 dBi
- Return Loss -10dB
- Length 108mm Straight position
- Connector:
  - RP SMA Male as default
  - SMA Male available by request

### Applications:

- 2.4GHz ISM band radios
- Bluetooth, BLE, Zigbee
- WLAN, WiFi 802.11x for 2.4GHz
- Indoor use

All dimensions are in mm / inches

Issue: 2047

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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**Series: Stick Antenna**

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### ELECTRICAL SPECIFICATIONS

|                   |  |
|-------------------|--|
| Antenna Type      | 1/2 $\lambda$ Swivel Type Dipole Antenna |
| Frequency         | 2.4-2.5 GHz                              |
| Nominal Impedance | 50 $\Omega$                              |
| Return Loss       | $\leq$ -10dB                             |
| Radiation Pattern | Omni                                     |
| Gain              | 2.0 dBi                                  |
| Polarization      | Vertical                                 |
| Electrical Length | 1/2 $\lambda$ dipole                     |

### MECHANICAL SPECIFICATIONS

|                |   |
|----------------|---|
| Overall Length | 108 mm  |
| Weight         | 6.3 g   |
| Antenna Color  | Black   |
| Connector type | Reverse SMA (Male), default<br>SMA (Male), by request |

### ENVIRONMENTAL SPECIFICATIONS

|                       |            |
|-----------------------|------------|
| Operating Temperature | -40~+85° C |
| Storage Temperature   | -40~+85° C |
| RoHS Compliant        | Yes        |

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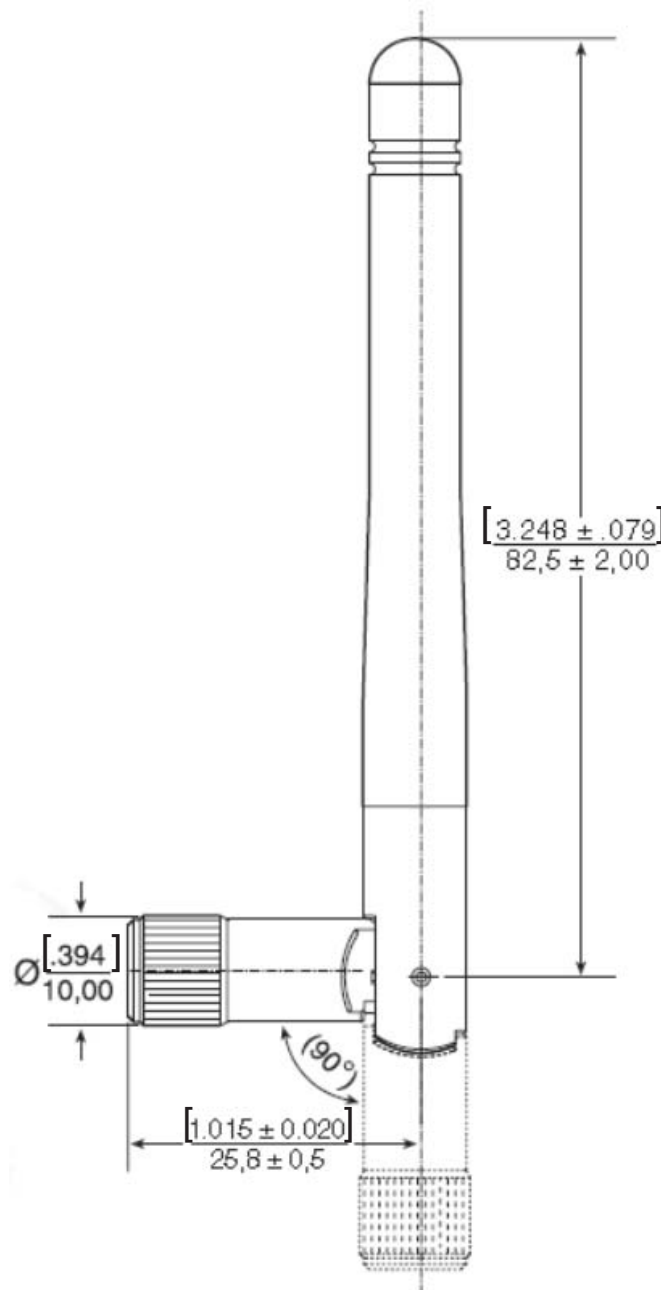
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## MECHANICAL DRAWING



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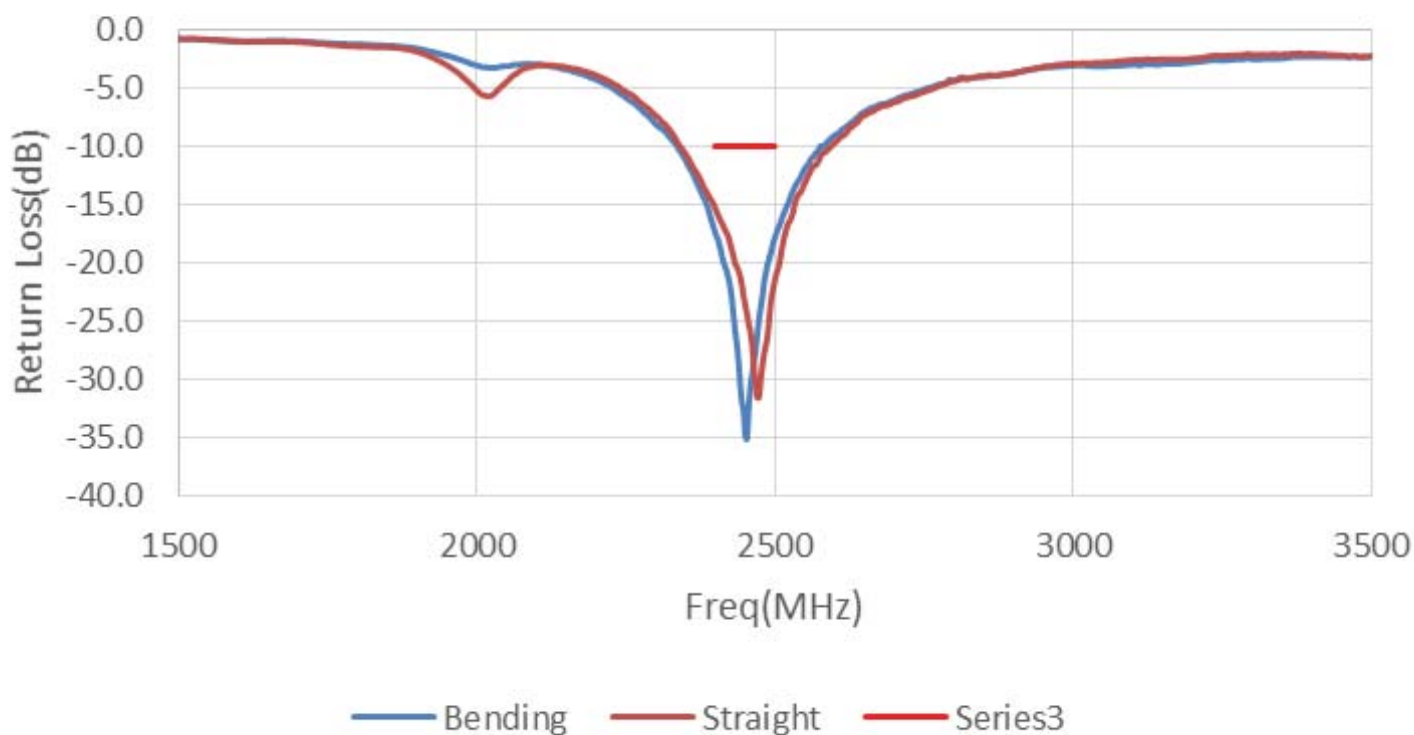
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### Return Loss

W1030



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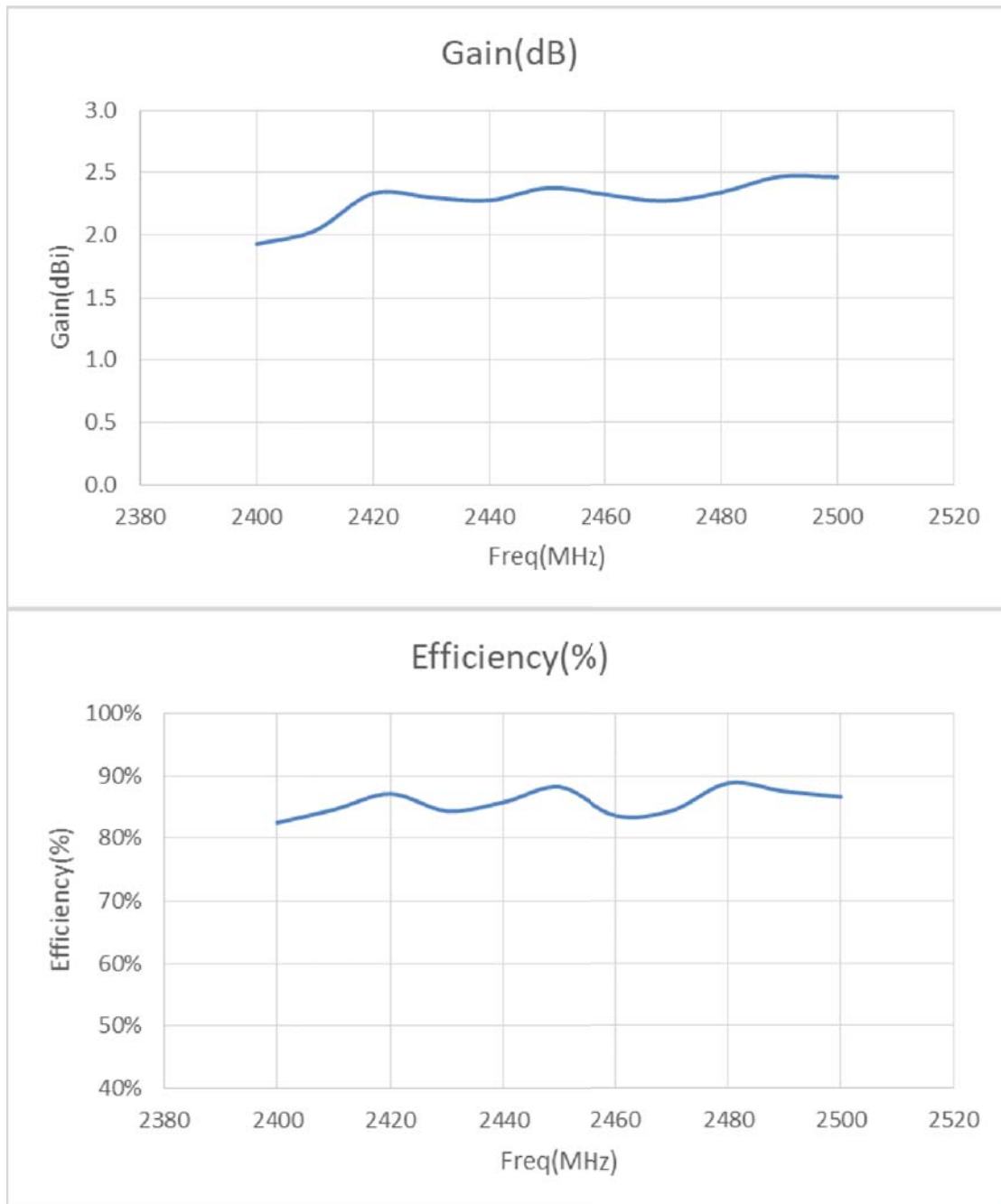
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### Gain and efficiency



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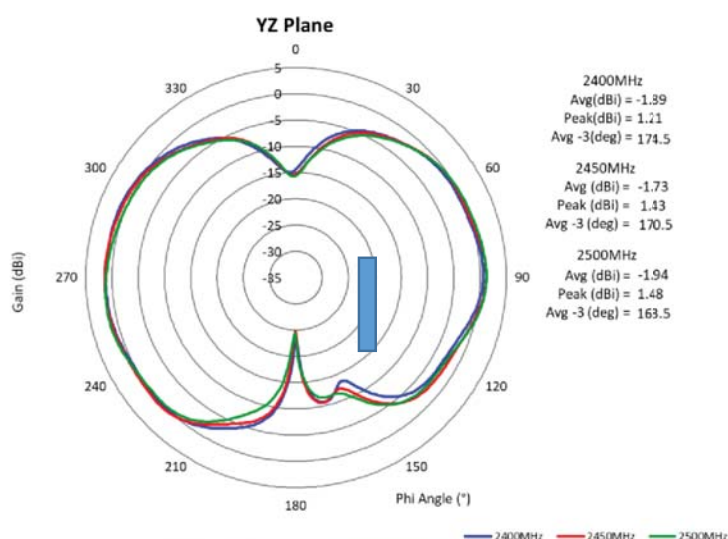
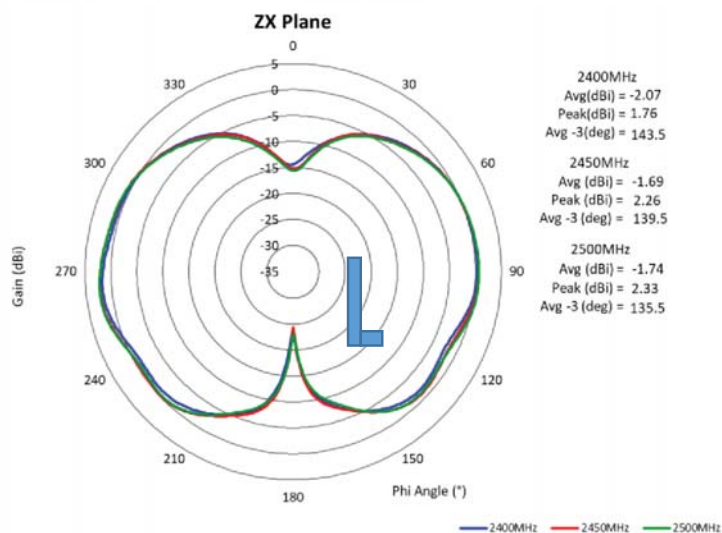
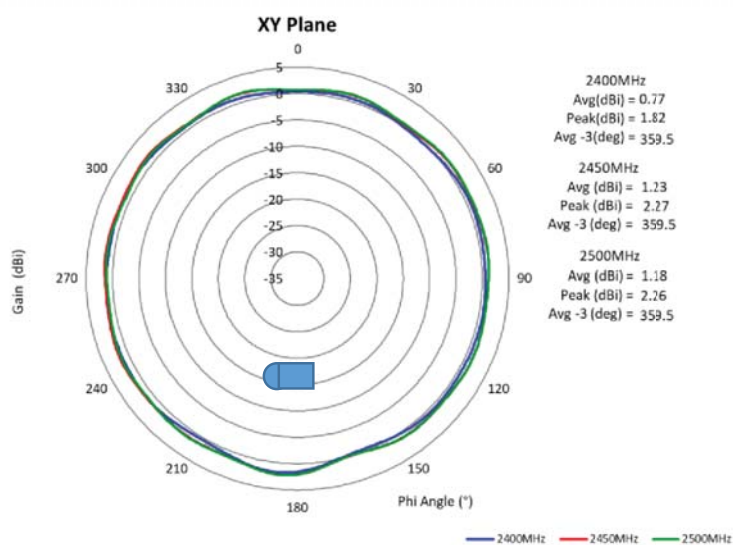
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## CHARTS

### Radiation pattern



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### PACKAGING

Pack 20pcs antenna in one PE bag, 30pcs PE bag  
(600pcs Antenna) in one carton.

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