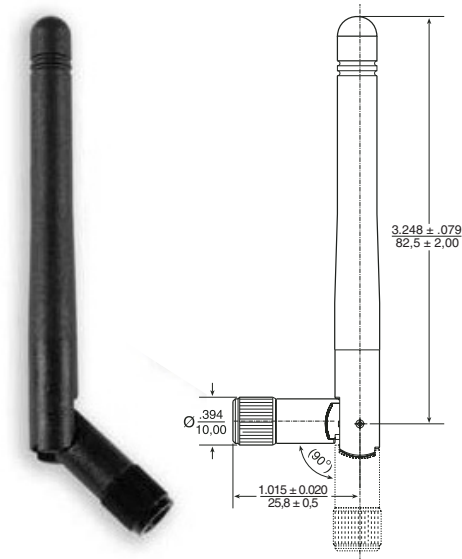
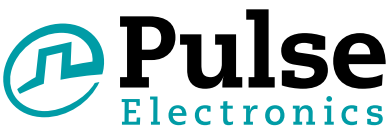


# Wireless External Antenna for 2.4 GHz Applications

Pulse Part Number W1030



**Features**

- Shortest antennas in product line
- For WLAN devices using WiFi (802.11b/g), Bluetooth® and ZigBee™
- Omni-directional radiation pattern provides broad 360° coverage
- One-quarter wavelength dipole configuration
- Connection options easily integrate with OEM designs

**Connector**

- Reverse SMA (Male)\*
- SMA (Male)

*\* Default Configuration – Please contact Pulse Applications Engineering for assistance in ordering connectors*

Weight. . . . . 6.3 grams  
Carton . . . . . 20/bag, 500/carton

Dimensions [in / mm]

Unless otherwise specified, all tolerances are ± .010 / 0.25

**Electrical Specifications @ 25 °C**

Note: This part number is lead-free and RoHS compliant. No additional suffix or identifier is required

| Part Number | Frequency [GHz] | Gain [dBi] | Impedance [Nom] | VSWR | Polarization | Electrical Length | Radiation |
|-------------|-----------------|------------|-----------------|------|--------------|-------------------|-----------|
| W1030       | 2.4 - 2.5       | 2.0        | 50 Ω            | ≤2.0 | Vertical     | 1/4, dipole       | Omni      |

# Wireless External Antenna for 2.4 GHz Applications

Pulse Part Number W1030

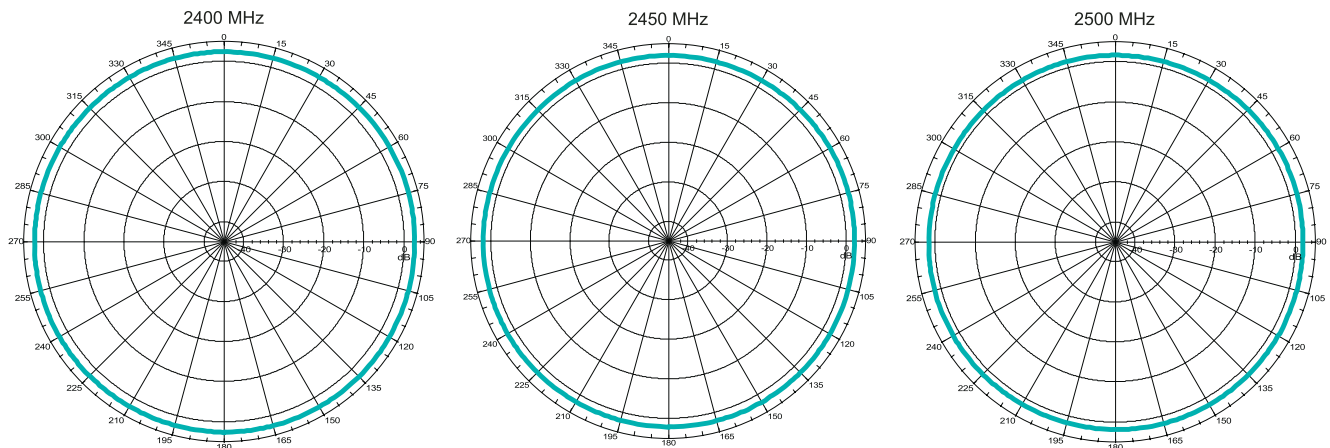
## Application Notes

Omni-directional antennas provide a uniform, donut-shaped, 360° radiation pattern. The omni-directional pattern is suitable for point-to-multipoint broadcasting in all directions. The antenna is primarily used for

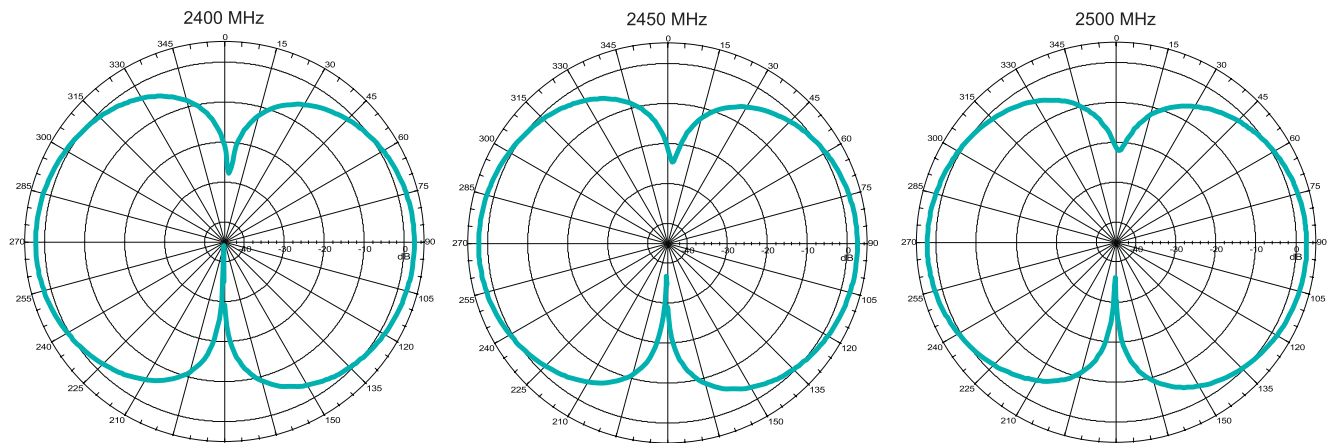
WLAN applications. However, it can also be used for a variety of other applications within the specified frequency range. When used as an access point, the antenna is ideally located at the center of the coverage area.

## Gain Performance W1030

### Horizontal Position



### Vertical Position



## For More Information

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