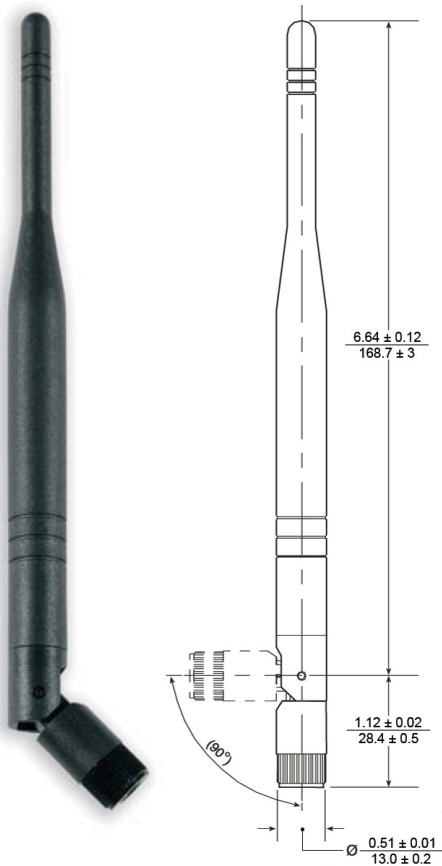
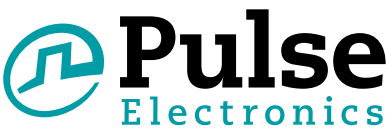


# Wireless External Antenna for 2.4 GHz Applications

Pulse Part Number W1038



**Features**

- High gain performance
- 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 and color options easily integrate with OEM designs

**Color**

- Black

**Connector**

- Reverse SMA (Male)

Weight. . . . . 25.1 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] | Impedance [Nom] | VSWR  | Polarization | Radiation | Color |
|-------------|-----------------|-----------------|-------|--------------|-----------|-------|
| W1038       | 2.4 - 2.5       | 50 Ω            | ≤ 2.0 | Vertical     | Omni      | Black |

# Wireless External Antenna for 2.4 GHz Applications

Pulse Part Number W1038

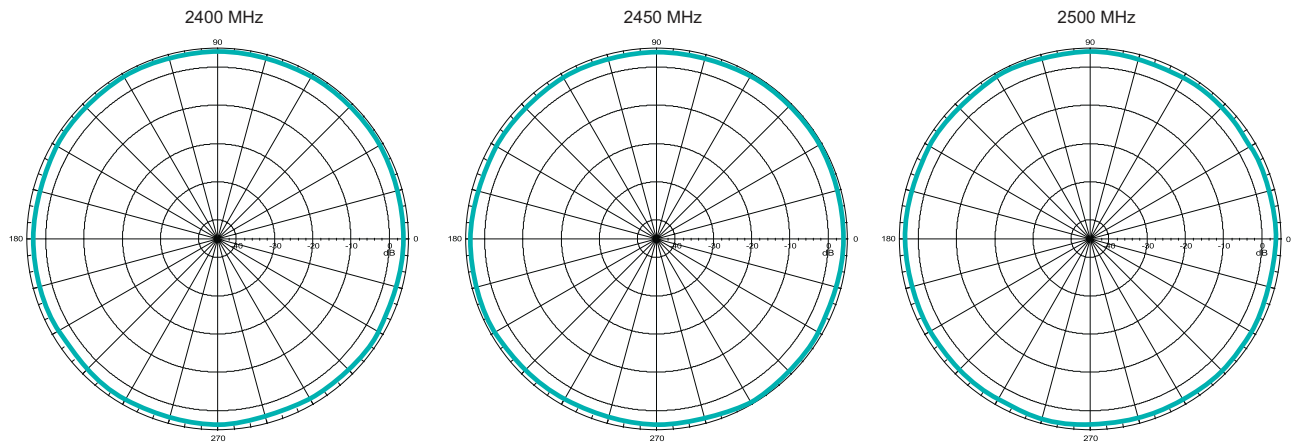
## Application Notes

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

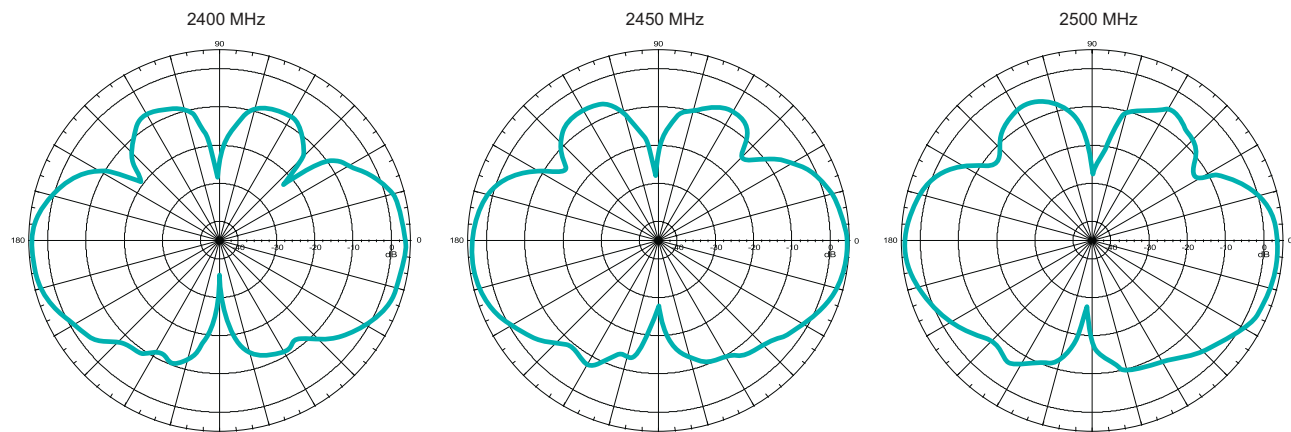
WLAN applications. However, it can also be used for a variety of other applications within the specified frequency range. When used as an access point, the antenna is ideally located at the center of the coverage

## Gain Performance W1038

### Horizontal Position



### Vertical Position



## For More Information

### Pulse Worldwide Headquarters

12220 World Trade Drive  
San Diego, CA 92128  
U.S.A.

Tel: 858 674 8100  
Fax: 858 674 8262

### Larsen Brand Antennas

3611 NE 112th Avenue  
Vancouver, WA 98682  
USA

Tel: 360 944 7551  
Fax: 360 944 7556

### Europe Headquarters

Pulse GmbH & Co. KG  
Zeppelinstrasse 15  
Herrenberg  
Germany

Tel: 49 7032 7806 0  
Fax: 49 7032 7806 135

### Asia Headquarters

B402, Shenzhen Academy of  
Aerospace Technology Bldg.  
10th Kejian Road, High-Tech Zone  
Nanshan District, Shenzhen, PR China 518057

Tel: 86 755 33966678  
Fax: 86 755 33966700

### Pulse North Asia

3F, No. 198, Zhongyuan Road  
Zhongli City, Taoyuan County 320  
Taiwan R. O. C.

Tel: 886 3 4356768  
Fax: 886 3 4356823

### Pulse (Suzhou) Wireless Products Co., Inc.

99 Huo Ju Road, (#29 Bldg, 4th Phase)  
Suzhou New District  
Science & Tech Industrial Park  
Jiangsu Province, Suzhou 215009 PR China

Tel: 86 512 6807 9998  
Fax: 86 512 6809 8023

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