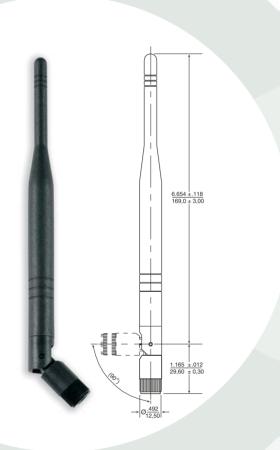
# Wireless External Antenna for 2.4 GHz Applications

Pulse Part Number: W1037



# **Features**

- High gain performance
- For WLAN devices using WiFi (802.11b/g), Bluetooth<sup>®</sup> 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 Options**

- Black\*
- Gray (Pantone cool gray 8C)
- Gray (Pantone 429C)
- Gray (Pantone cool gray 7C)

## **Connector Options**

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

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

Weight	25.1 grams
Carton	20/bag; 500/carton
Dimensions: Inches mm	
Unless otherwise specified, all tole	erances are $\pm \frac{.010}{0.25}$

## Electrical Specifications @ 25 °C

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

Antenna Part No.	Frequency [GHz]	Gain [dBi]	Impedance [Nom]	VSWR	Polarization	Electrical Length	Radiation	Color
W1037	2.4 – 2.5	3.2	50 Ω	≤ 2.0	Vertical	1/4, dipole	Omni	Black

### **Pulse Antennas**

Takatie 6 90440 Kempele, Finland Tel: +358 207 935 500 Fax: +358 207 935 501 *www.pulseeng.com/antennas* 

#### External Antennas Sales Contacts

 USA
 858 674 8100

 UK
 44 1483 401 700

 France
 33 3 84 35 04 04

 Singapore
 65 6287 8998

Shanghai86 21 32181071China86 769 5538070Taiwan886 2 26980228

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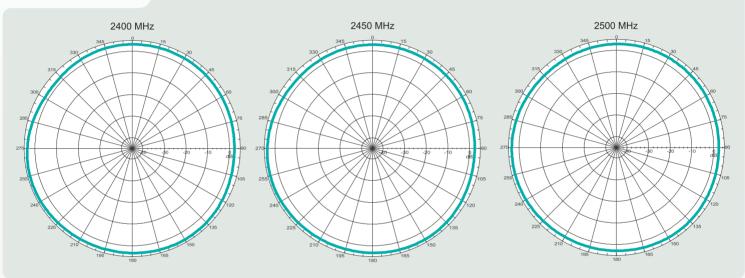
## **Application Notes**

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. This antenna is primarily used for WLAN applications. However, it

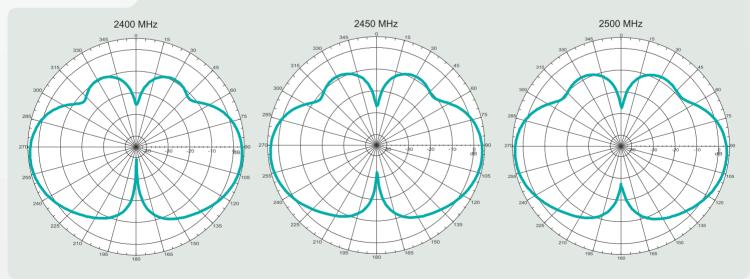
can also be used for a variety of other applications within the specified frequency range. When used as an access point, the antenna is ideally located at the center of the coverage area.

## **Gain Performance W1037**

### **Horizontal Position**



**Vertical Position** 





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