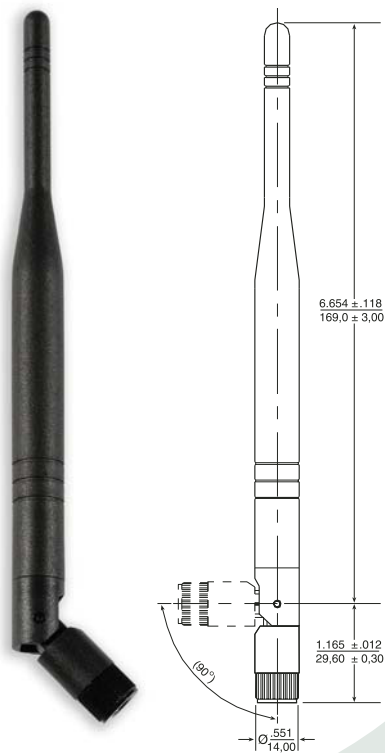


# Wireless External Antenna for 900 MHz Applications

Pulse Part Number: W1063



### Features

- Ideal for lower frequency wireless applications in the ISM 900 MHz band
- Omni-directional radiation pattern provides broad 360° coverage
- One-eighth 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.....25.6 grams  
Carton.....20/bag; 500/carton

Dimensions:  $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances 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 [MHz] | Gain [dBi] | Impedance [Nom] | VSWR  | Polarization | Electrical Length | Radiation | Color |
|------------------|-----------------|------------|-----------------|-------|--------------|-------------------|-----------|-------|
| W1063            | 868 – 928       | 3.0        | 50 Ω            | ≤ 2.0 | Vertical     | 1/4, dipole       | Omni      | Black |

#### Pulse Antennas

Takatie 6  
90440 Kempele  
Finland  
Tel: +358 207 935 500  
[www.pulseeng.com/antennas](http://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

Shanghai 86 21 32181071  
China 86 769 5538070  
Taiwan 886 2 26980228



# Wireless External Antenna for 900 MHz Applications

Pulse Part Number: W1063

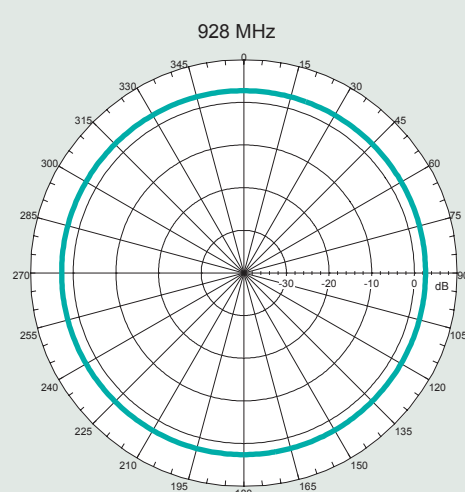
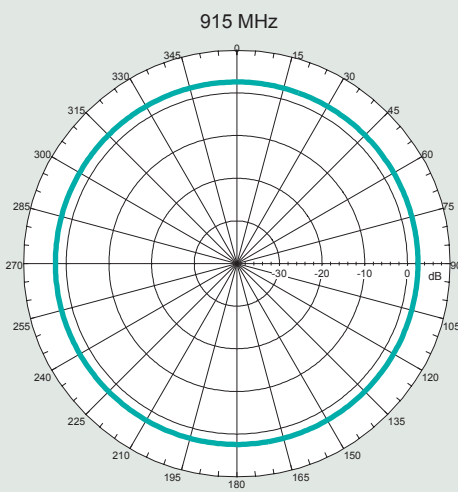
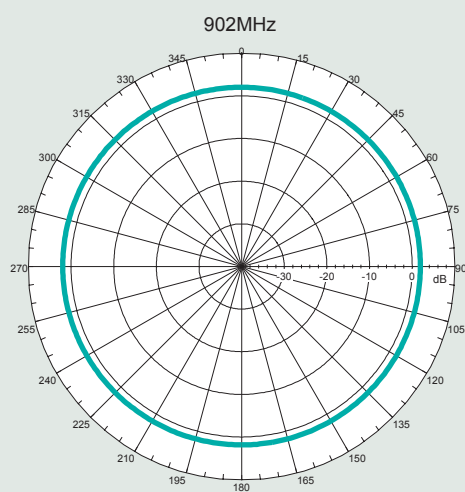
## Application Notes

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

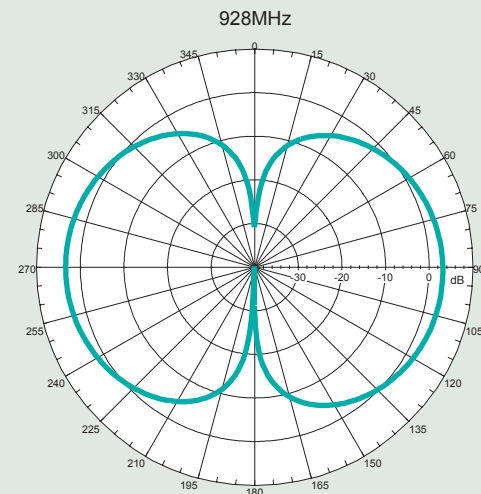
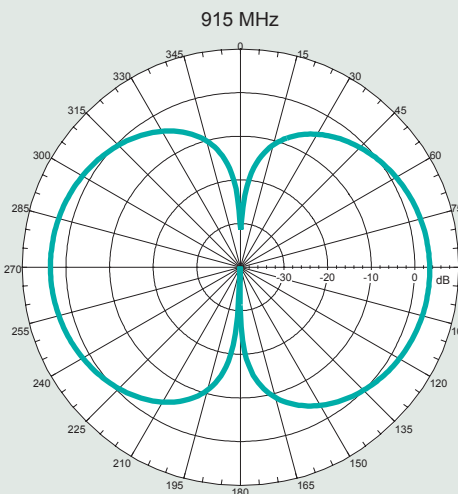
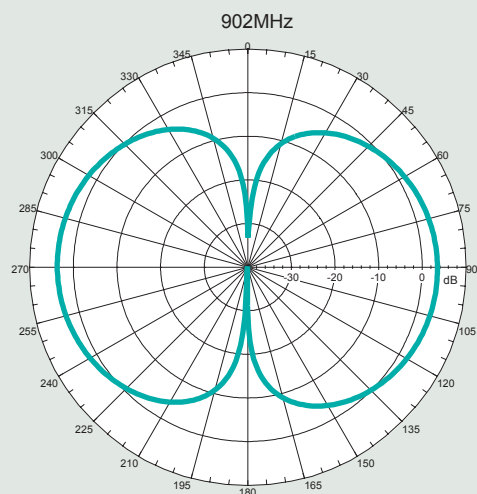
applications. However, it can also be used for a variety of other applications within the specified frequency range. When used as an access point, the antenna is ideally located at the center of the coverage area.

## Gain Performance W1063

### Horizontal Position



### Vertical Position



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