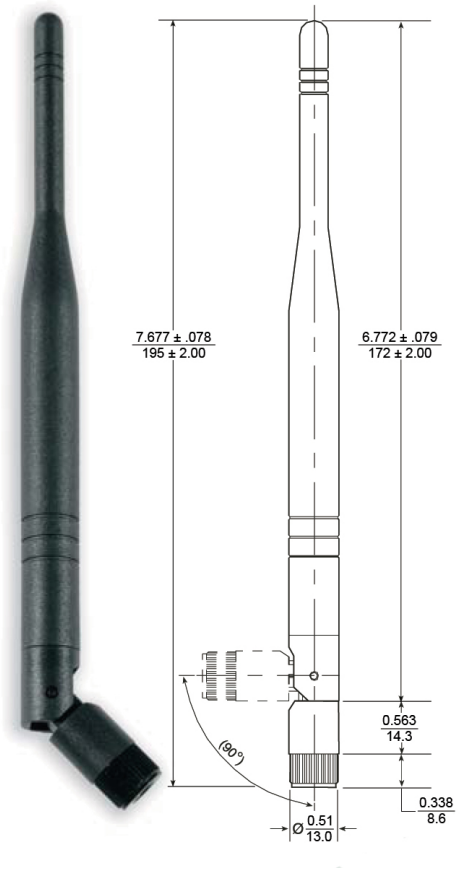
# Wireless External Antenna for 900 MHz Applications

*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
- Black

**Connector**
- Reverse SMA Male

Weight . . . . . .25.6 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 [MHz] | Gain [dBi] | Impedance [Nom] | VSWR | Polarization | Radiation | Color |
|---|---|---|---|---|---|---|---|
| W1063 | 868 - 928 | 3.0 | 50 Ω | <2.5 | Vertical | Omni | Black |

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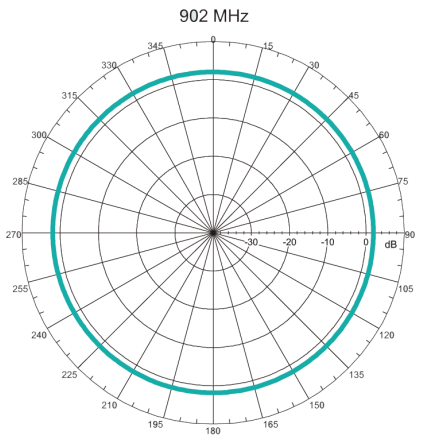
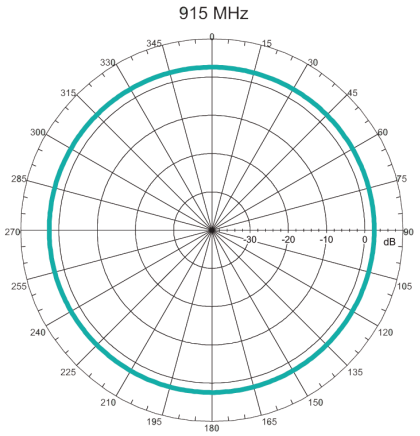
## Application Notes

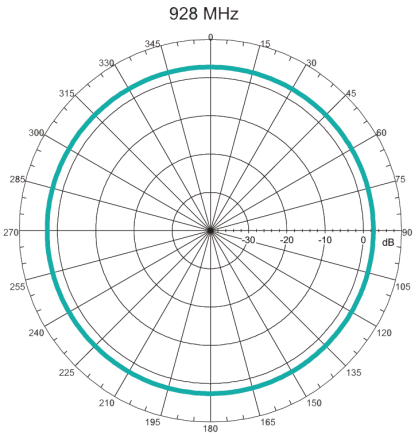
Omni-directional antennas provide a uniform, donut-shaped, 360˚ radiation pattern. The omni-directional pattern is suitable for point-to-multipoint broadcasting in all directions. The antenna is primarily used for WLAN applications. However, it can also be used for a variety of other applications within the specified frequency range. When used as an access point, the antenna is ideally located at the center of the coverage

## Gain Performance W1063

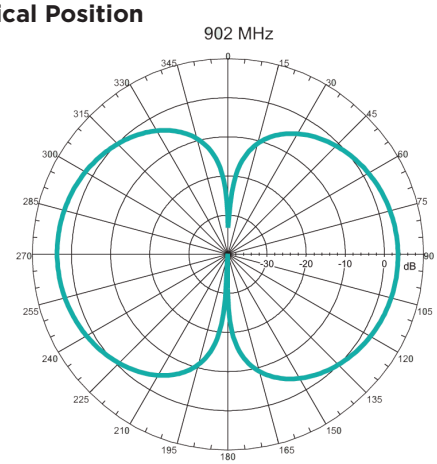
**Horizontal Position**

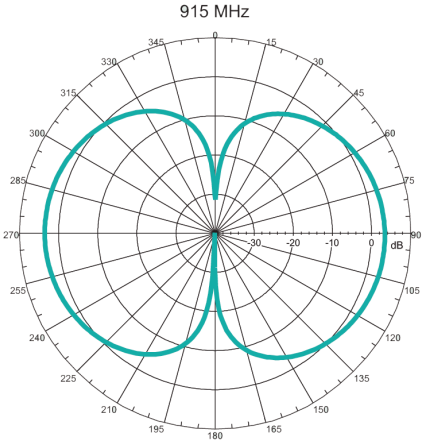


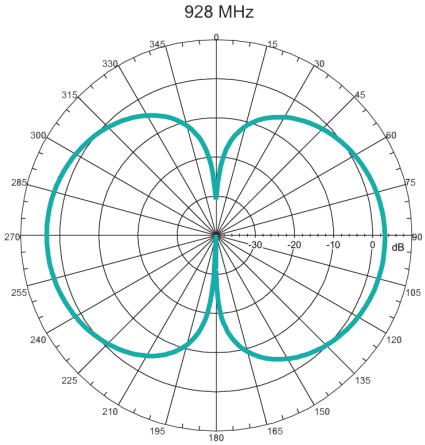




**Vertical Position**

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