WIRELESS ANTENNAS
2.4GHz Applications

- 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 and color options easily integrate with OEM designs

Electrical Specifications @ 25°C

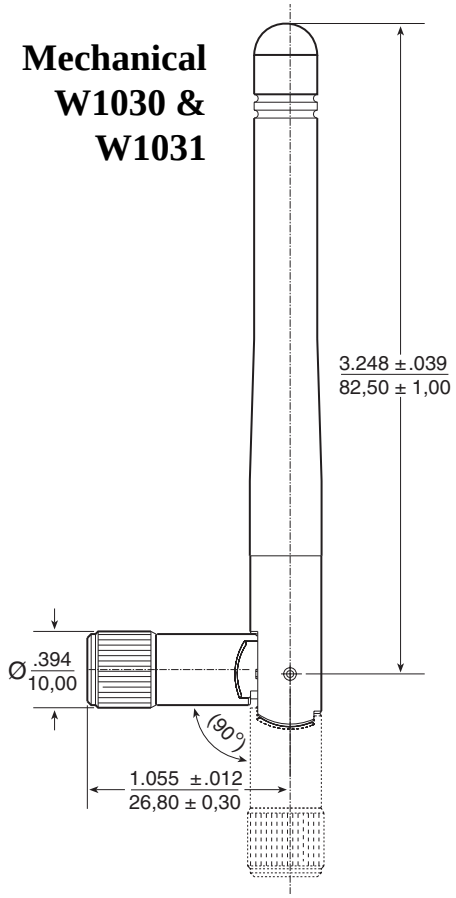
Antenna Part No.	Frequency (GHz)	Gain (dBi)	Impedance (Nom)	VSWR	Polarization	Electrical Length	Radiation	Color
W1030	2.4 - 2.5	2.0	50Ω	≤ 2.0	Vertical	1/4, dipole	Omni	Black
W1031	2.4 - 2.5	2.0	50Ω	≤ 2.0	Vertical	1/4, dipole	Omni	Gray

NOTE: These part numbers are lead-free and RoHS compliant. No additional suffix or identifier is required.

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

Connector Options
- Reverse SMA (Female)*
- SMA (Male)

**Mechanical W1030 & W1031*



*****Default Configuration - Please contact Pulse Applications Engineering for assistance in ordering colors and connectors.*

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

Dimensions: Inches / mm

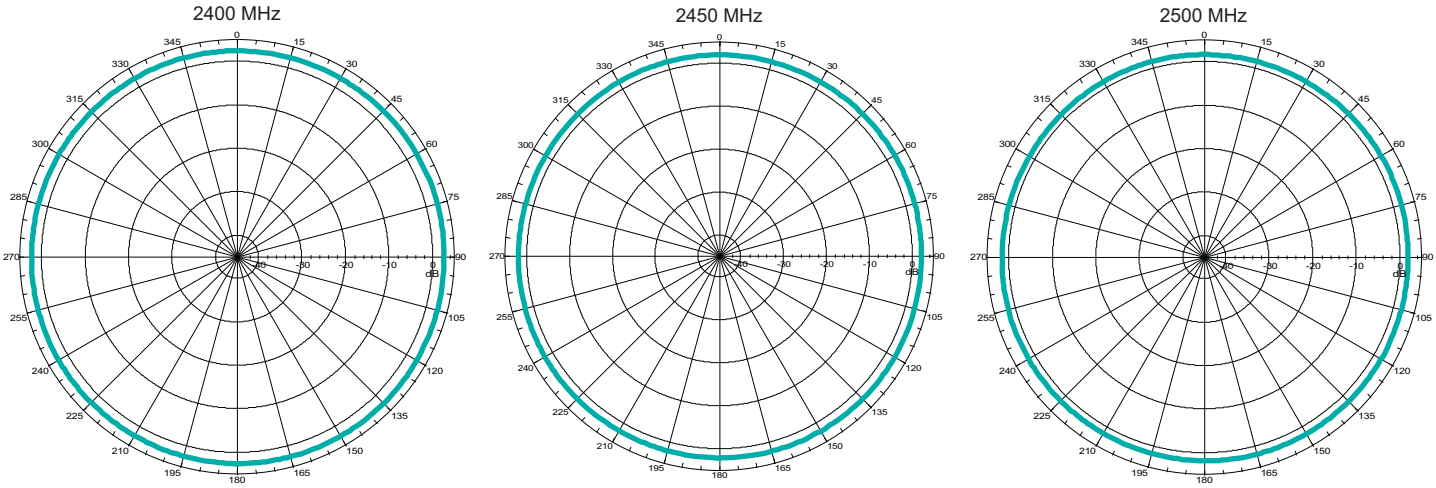
Unless otherwise specified, all tolerances are ± .010 / 0,25

Application Notes

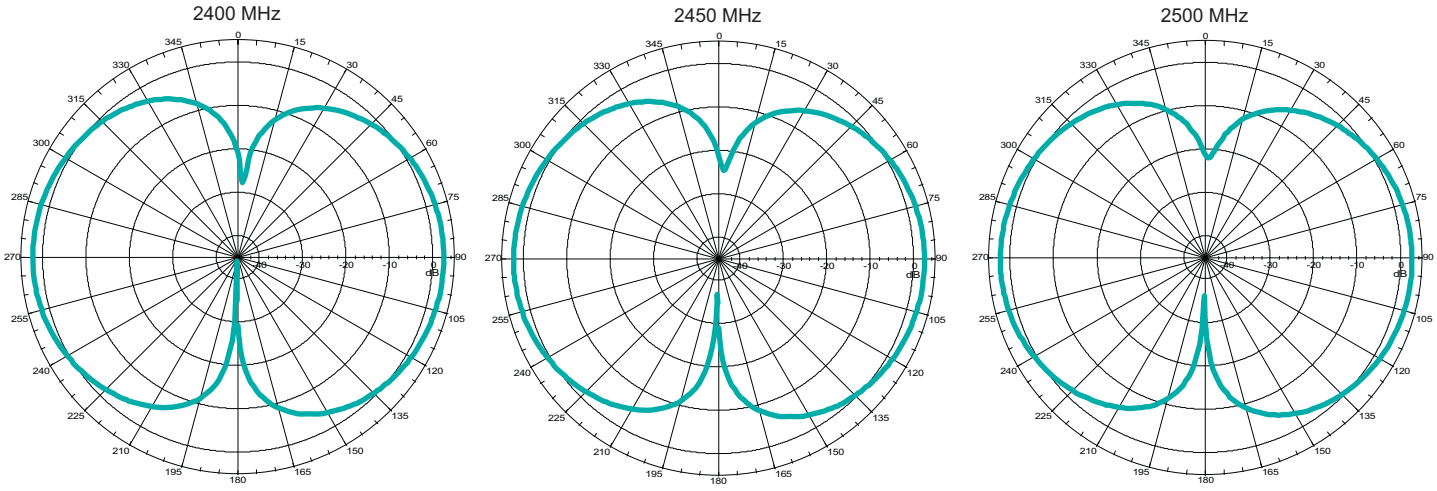
Omni-directional antennas provide a uniform, donut-shaped, 360° radiation pattern. The omni-directional pattern is suitable for point-to-multipoint broadcasting in all directions. This antenna is primarily used for WLAN applications. However, it can also be used for a variety of other applications within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

Gain Performance - W1030 & W1031

Horizontal Position



Vertical Position



WIRELESS ANTENNAS
2.4GHz Applications

Pulse® A TECHNITROL COMPANY

- Attractive, tapered design
- 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

RoHS COMPLIANT

Electrical Specifications @ 25°C

Antenna Part No.	Frequency (GHz)	Gain (dBi)	Impedance (NOM)	VSWR	Polarization	Electrical Length	Radiation	Color
W1034	2.4 - 2.5	2.0	50Ω	≤ 2.0	Vertical	1/4, dipole	Omni	Black

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

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

Connector Options
- Reverse SMA (Female)*
- SMA (Male)

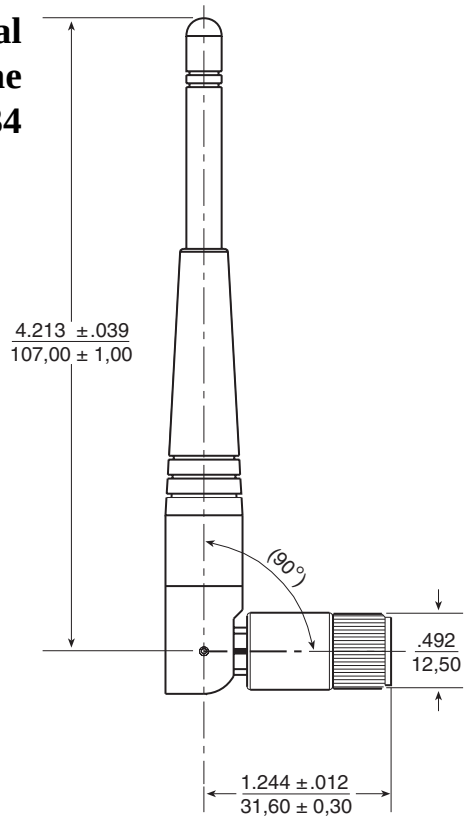
**Default Configuration - Please contact Pulse Applications Engineering for assistance in ordering colors and connectors.*

Weight.....19.5 grams
Carton 20/bag; 500/carton

Dimensions: Inches / mm

Unless otherwise specified, all tolerances are ± .010 / 0,25

Mechanical Outline W1034

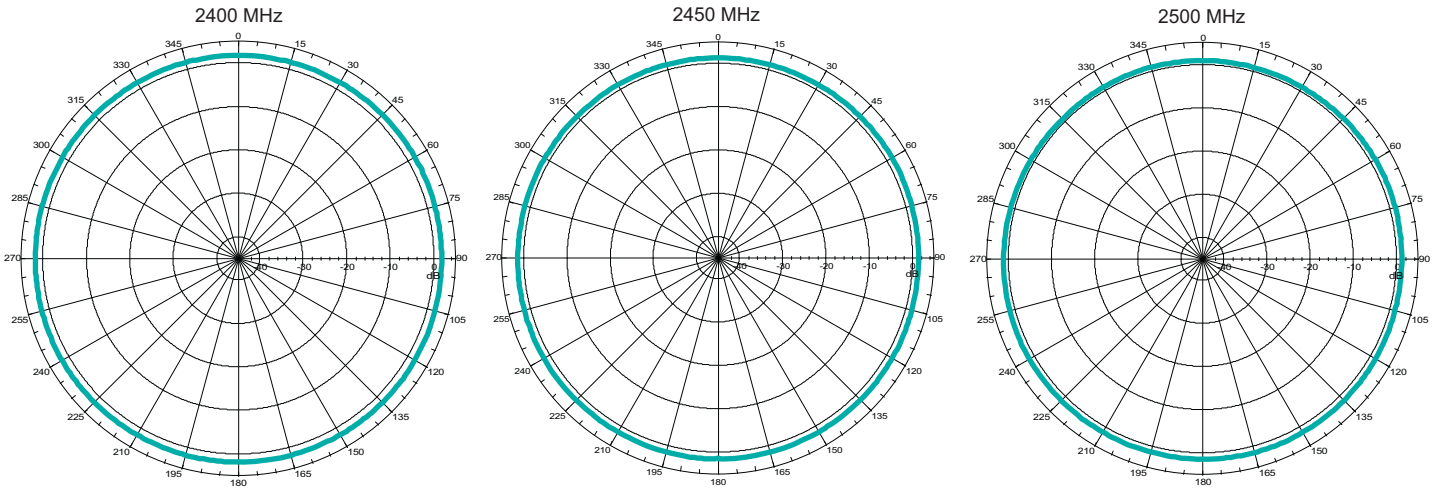


Application Notes

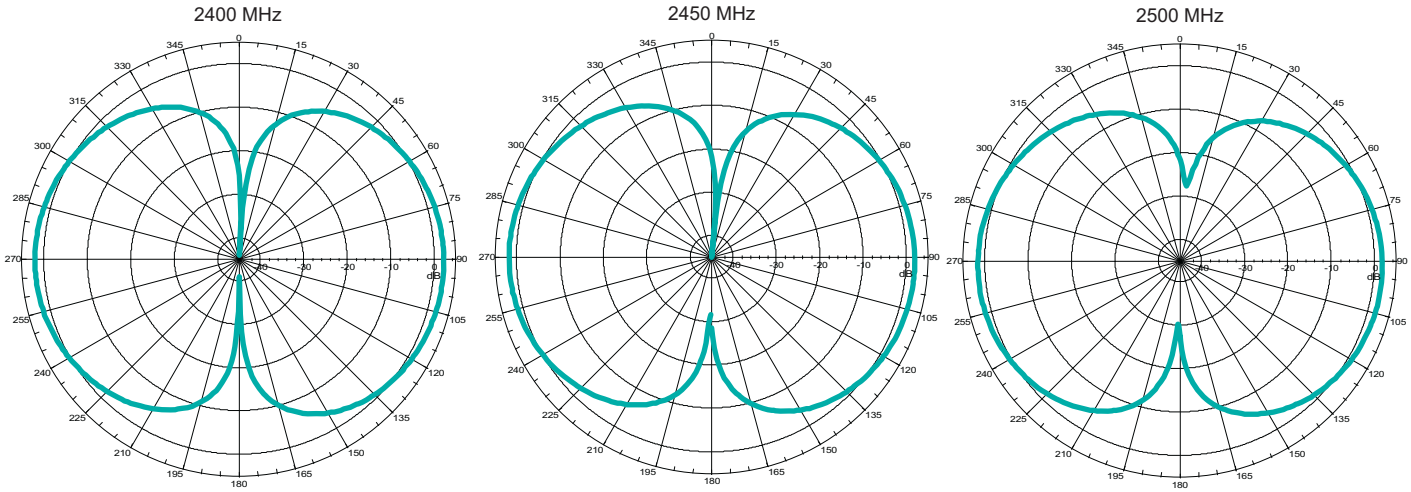
Omni-directional antennas provide a uniform, donut-shaped, 360° radiation pattern. The omni-directional pattern is suitable for point-to-multipoint broadcasting in all directions. This antenna is primarily used for WLAN applications. However, it can also be used for a variety of other applications within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

Gain Performance - W1034

Horizontal Position



Vertical Position



WIRELESS ANTENNAS
2.4GHz Applications

- 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

RoHS COMPLIANT

Electrical Specifications @ 25°C

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

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

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

Connector Options
- Reverse SMA (Female)*
- SMA (Male)

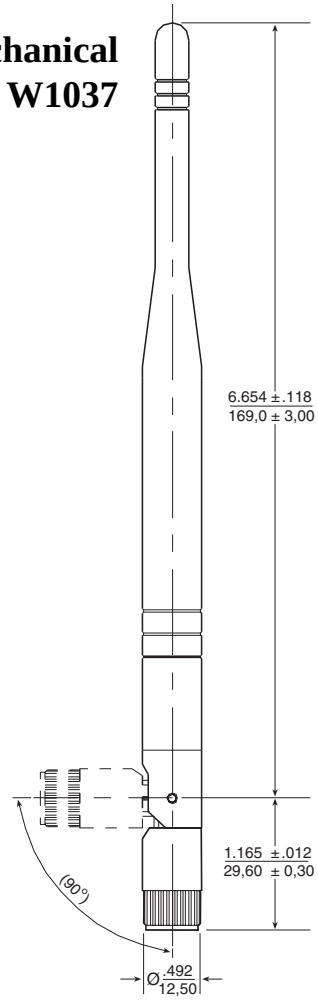
**Default Configuration - Please contact Pulse Applications Engineering for assistance in ordering colors and connectors.*

Weight.....25.1 grams
Carton 20/bag; 500/carton

Dimensions: Inches / mm

Unless otherwise specified, all tolerances are ± .010 / 0,25

Mechanical
W1037



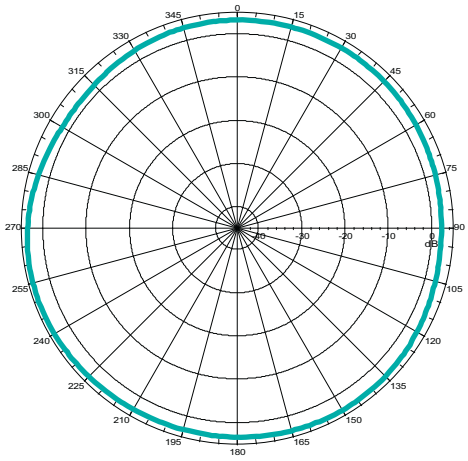
Application Notes

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.

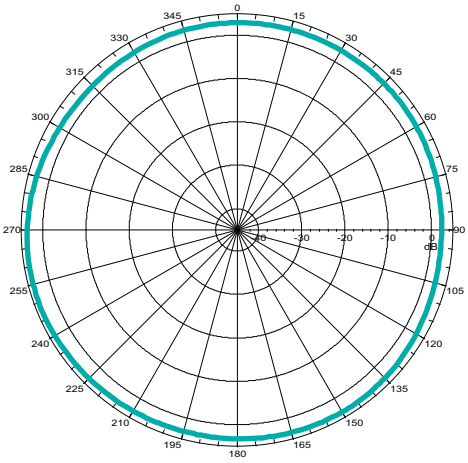
Gain Performance - W1037

Horizontal Position

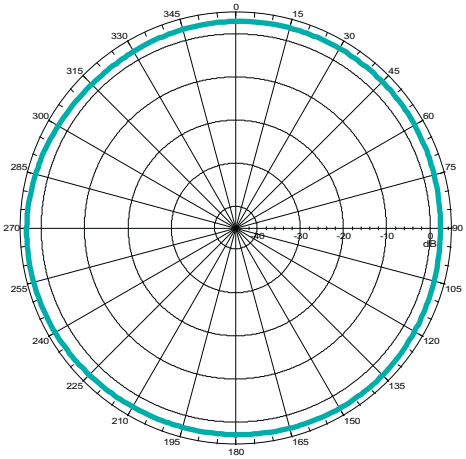
2400 MHz



2450 MHz

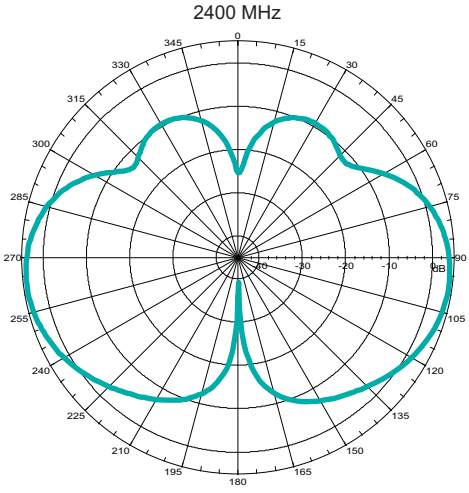


2500 MHz

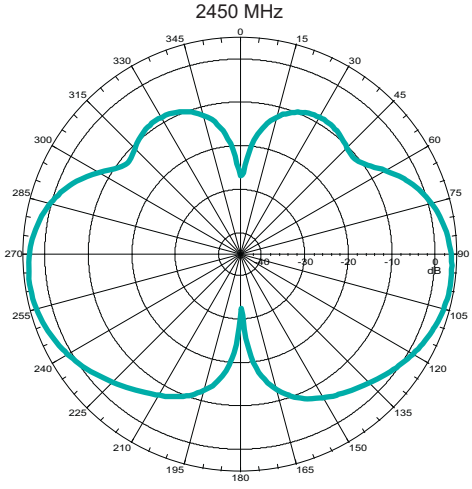


Vertical Position

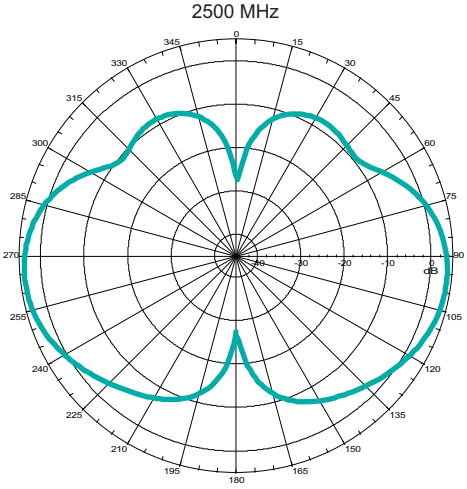
2400 MHz



2450 MHz



2500 MHz



WIRELESS ANTENNAS
2.4GHz Applications

Pulse® A TECHNITROL COMPANY

- High gain antenna
- 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

RoHS COMPLIANT

Electrical Specifications @ 25°C

Antenna Part No.	Frequency (GHz)	Gain (dBi)	Impedance (NOM)	VSWR	Polarization	Electrical Length	Radiation	Color
W1027	2.4 - 2.5	3.2	50Ω	≤ 1.9	Vertical	1/4, dipole	Omni	Black

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

Color Options

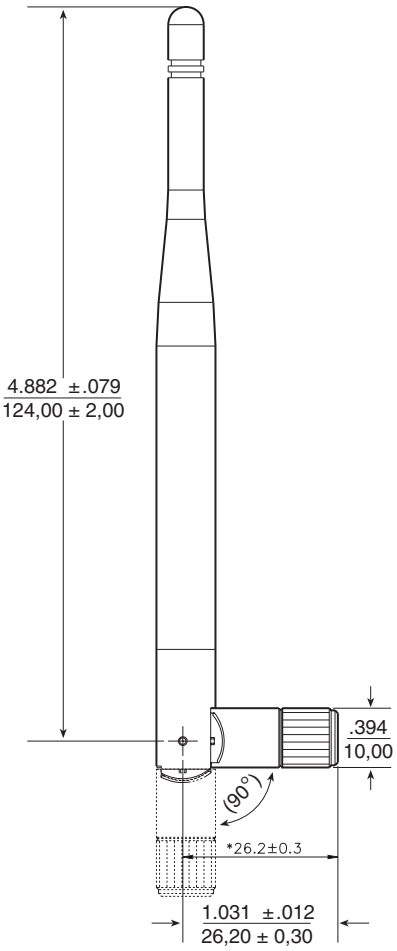
- Black*
- Gray (Pantone cool gray 8C)

Connector Options

- Reverse SMA (Female)*
- SMA (Male)

*****_Default Configuration - Please contact Pulse Applications Engineering for assistance in ordering colors and connectors._

Mechanical Outline W1027



Weight.....13.9 grams
Carton 20/bag; 500/carton

Dimensions: Inches / mm

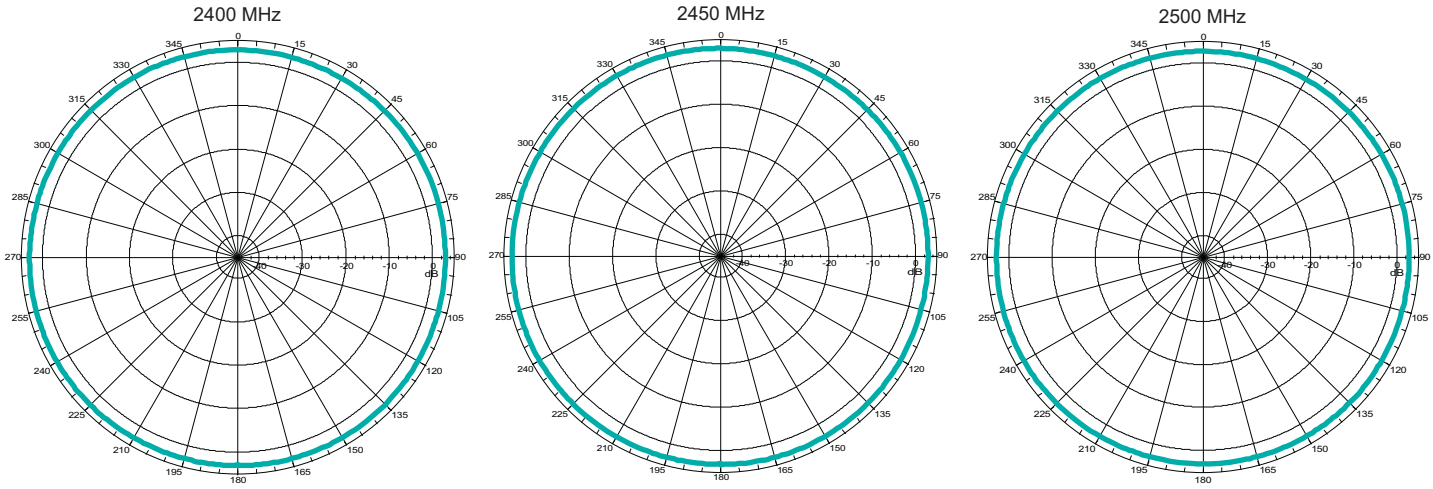
Unless otherwise specified, all tolerances are ± .010 / 0,25

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 - W1027

Horizontal Position



Vertical Position