

October 10, 2012

Antenna Information

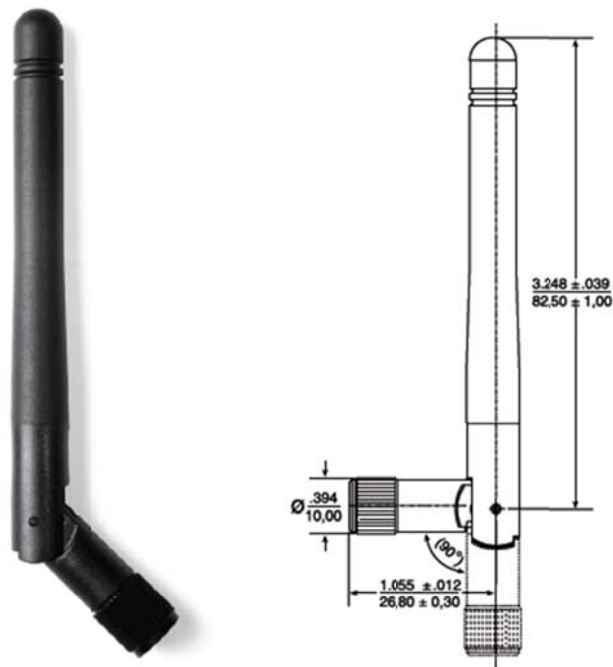
The **xBR V3** and **xBR V3x2** transmit antennas comply with paragraph 15.203 of the FCC rules due to being installed only by trained, professional installers within a controlled environment, not in any publicly accessible area.

Acceptable antennas must be omni-directional, with no more than 2.0 dBi gain.

Acceptable antennas are:

Pulse, Part Number W1010, Omni-directional, 2.0 dBi gain

Antenna Image:

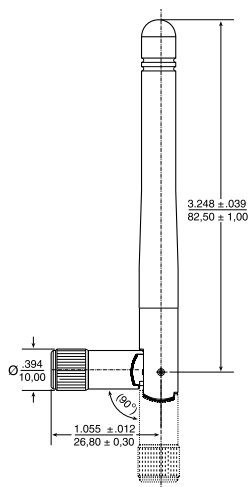


SYNAPSE PRODUCT DEVELOPMENT

1511 6th Avenue
Seattle, WA 98101
206.381.0898
www.synapse.com

Wireless External Antenna for 2.4 GHz Application

Pulse Part Number: W1010



Features

- Shortest antennas in product line Omnidirectional radiation
- For WLAN devices using WiFi (802.11b/g), Bluetooth®, ZigBee™ and other applications in the ISM 2.4GHz band
- Omnidirectional radiation pattern provides broad 360° coverage
- One-quarter wavelength dipole configuration
- Connection and color options easily integrate with OEM designs

Connector

- SMA (Male)

Weight 6.3 grams

Carton 20/bag; 500/carton

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

Unless otherwise specified, all tolerances are $\pm \frac{0.10}{0.25}$

Electrical Specifications @ +25 °C

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

Frequency [GHz]	Gain [dBi]	Impedance [Nom]	VSWR	Polarization	Electrical Length	Radiation
2.4 – 2.5	2.0	50 Ω	≤ 2.0	Vertical	¼, dipole	Omni

Pulse Finland Oy

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



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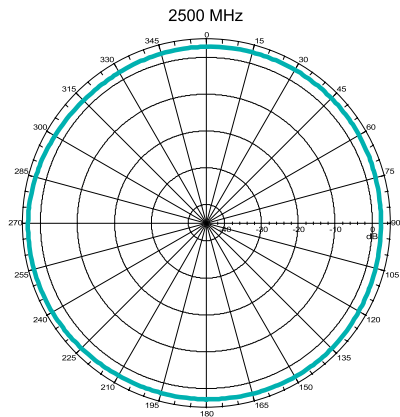
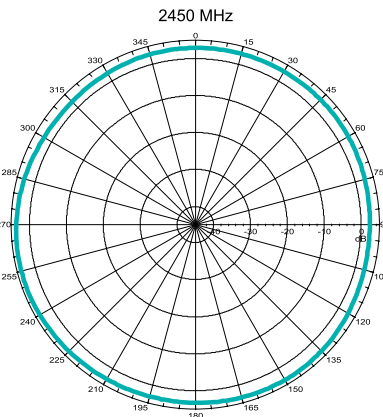
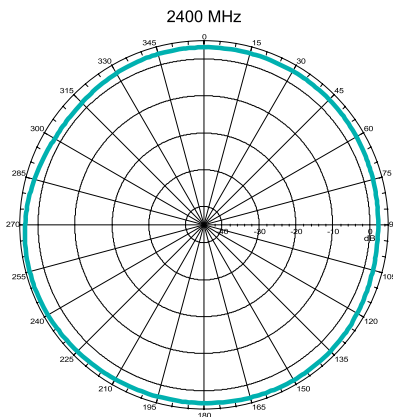
Application Notes

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

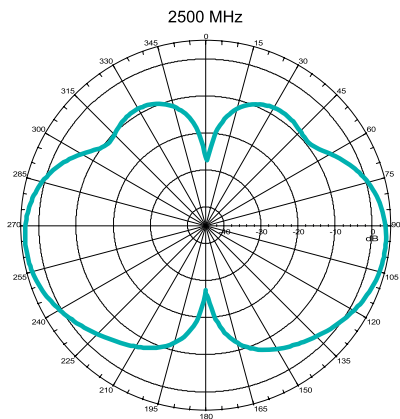
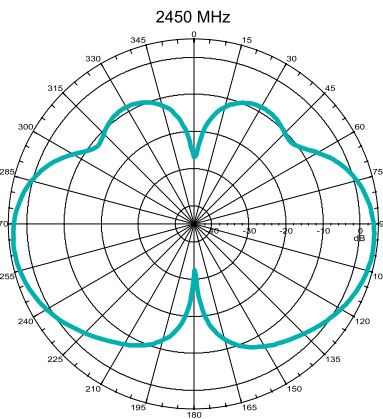
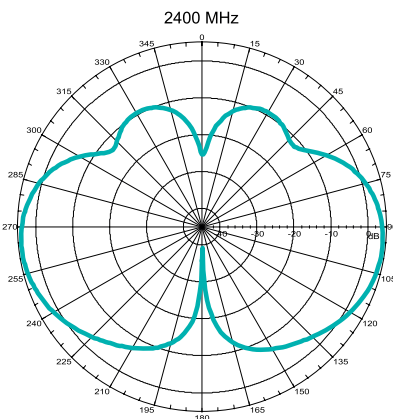
applications. However, it can also be used for a variety of other applications within the specified frequency range. When used as an access point, the antenna is ideally located at the center of the coverage area.

Gain Performance W1010

Horizontal Position



Vertical Position



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