



Features:

- High gain performance, 3.8dBi
- For WLAN devices using WiFi (802.11b/g), Bluetooth® and ZigBee™
- Omni-directional radiation pattern provides broad 360° coverage
- One-quarter wavelength dipole configuration, length 196.2mm
- Connection and color options easily integrate with OEM designs
- **W1038** Black; **W1038W** White; **W1038G** Gray

Applications:

- 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

Issue: 1821

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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Pulse/Larsen Antennas
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Tel: 49 7032 7806 0

Pulse (Suzhou) Wireless Products Co, Inc.
99 Huo Ju Road(#29 Bldg,4th Phase
Suzhou New District
Jiangsu Province, Suzhou 215009 PR China
Tel: 86 512 6807 9998



Description: Wireless External Antenna for 2.4 GHz Applications

Series: Stick Antenna

PART NUMBER: W1038x

This document covers all product variants of the following product family

| Antennas | Color | Connector |
|----------|-------|-------------|
| W1038 | Black | RP-SMA Male |
| W1038W | White | |
| W1038G | Gray | |

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Series: Stick Antenna

PART NUMBER: W1038x

ELECTRICAL SPECIFICATIONS

| | |
|--------------------|---------------------------------|
| Frequency | 2400-2500MHz |
| Nominal Impedance | 50 Ω |
| Return Loss | -10dB |
| Radiation Pattern | Omni |
| Peak Gain | 3.8dBi@straight, 4.7dBi@90°bent |
| Efficiency | 74%@straight, 81%@90°bent |
| Polarization | Vertical |
| Power Withstanding | 5W |

MECHANICAL SPECIFICATIONS

| | |
|----------------|--|
| Overall Length | 7.72"/196.2mm |
| Weight | 25.1g |
| Antenna Color | Black P/N: W1038 White P/N: W1038W Gray P/N : W1038G |
| Cover material | TPE |
| Connector type | RP-SMA Male |

ENVIRONMENTAL SPECIFICATIONS

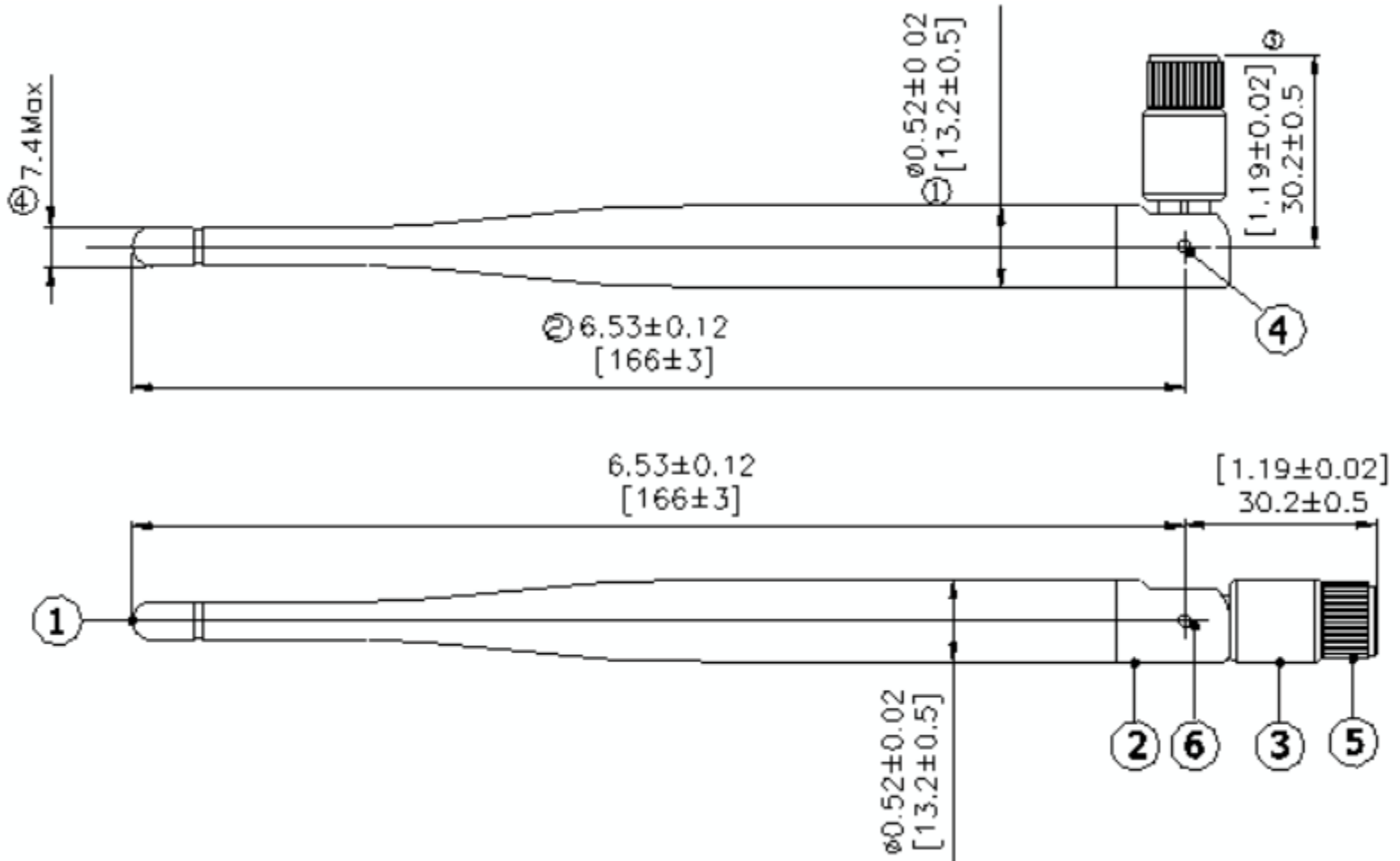
| | |
|-----------------------|------------|
| Operating Temperature | -20~+65° C |
| Storage Temperature | -30~+75° C |
| RoHS Compliant | Yes |

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MECHANICAL DRAWING



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CHARTS

Return Loss



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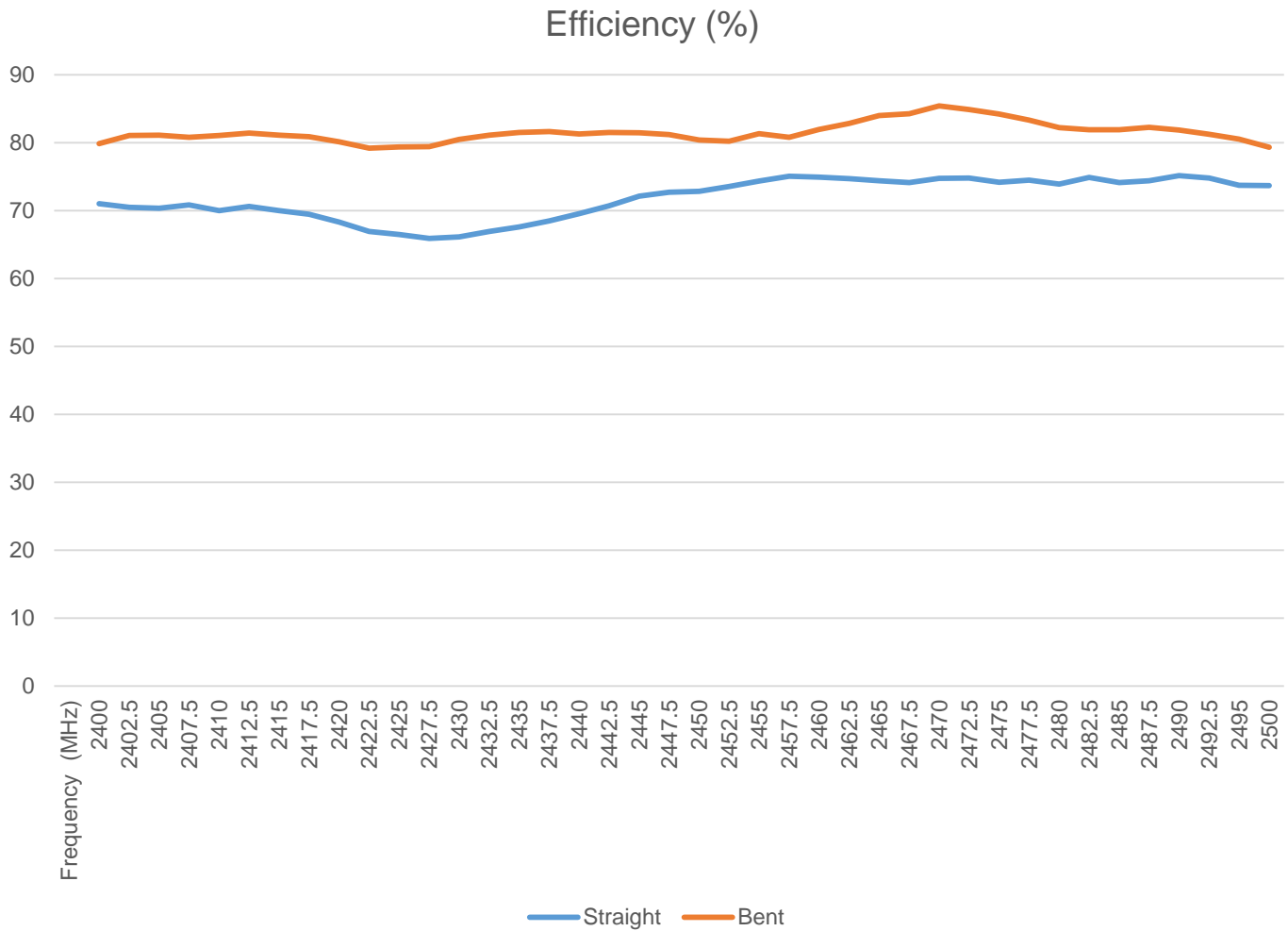
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CHARTS

Efficiency(%)



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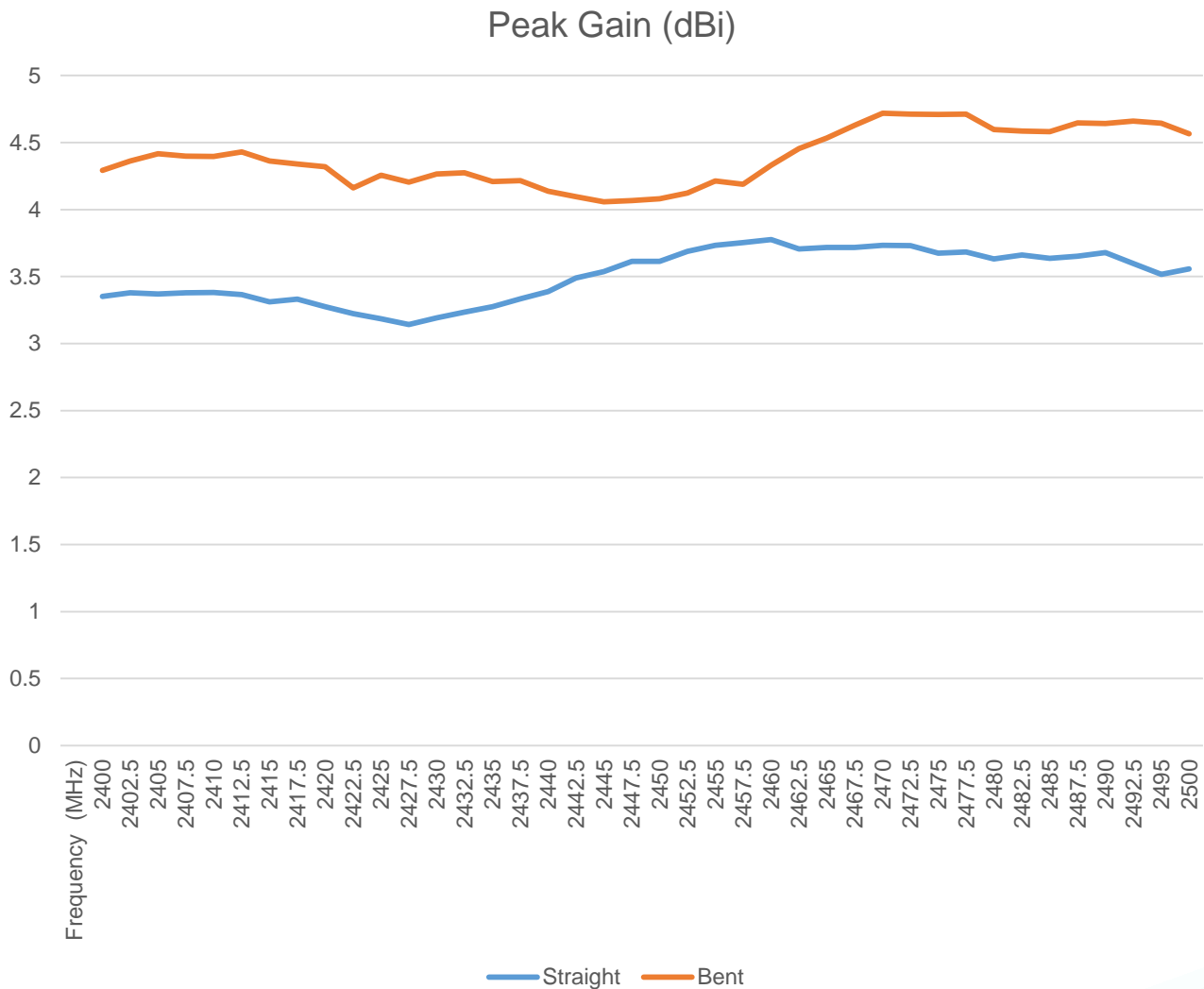
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CHARTS

Peak Gain (dBi)



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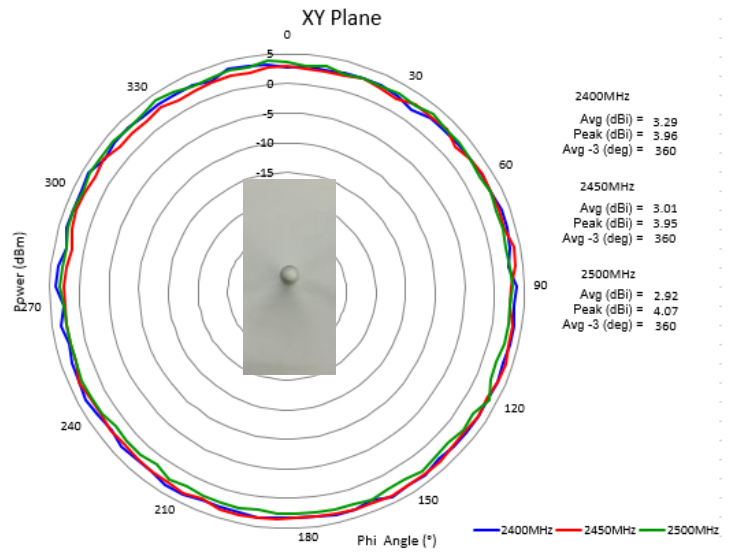
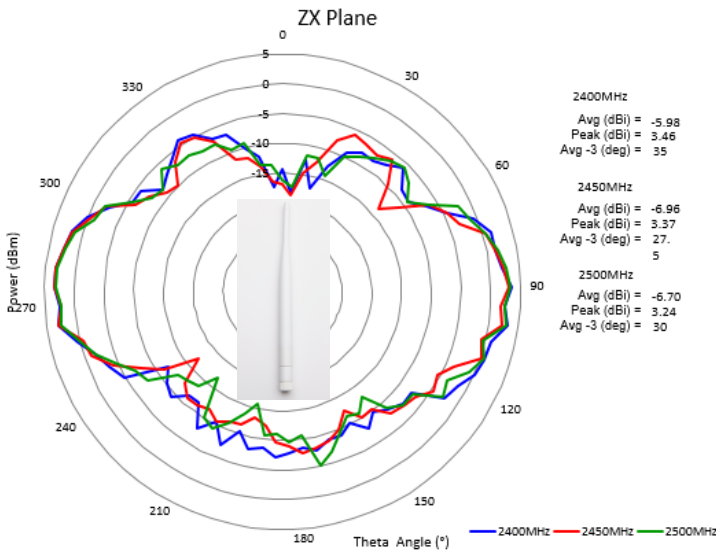
CHARTS

Free Space Radiation Pattern

Straight

Elevation Plane

Horizontal Plane



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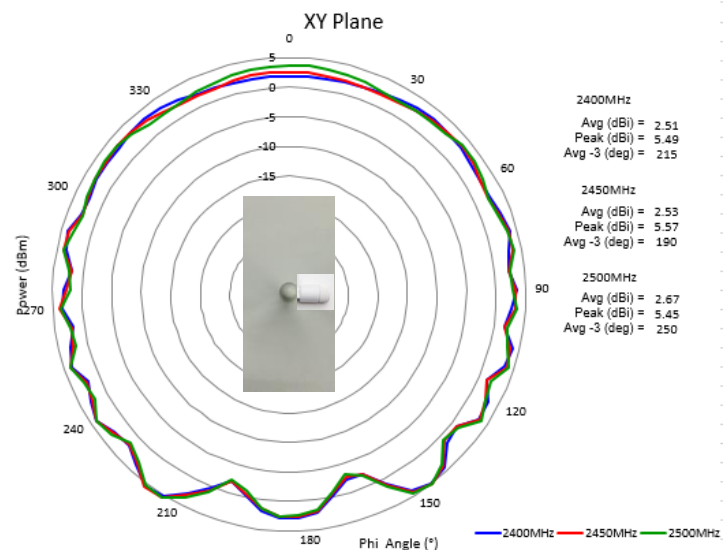
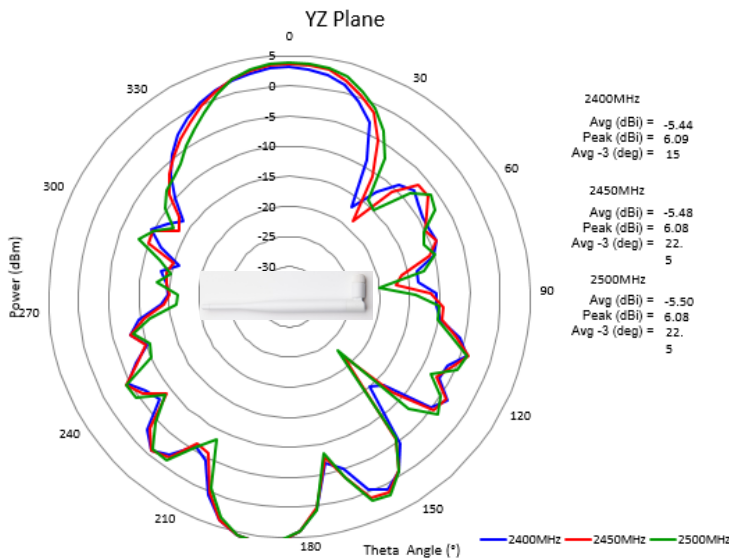
CHARTS

Free Space Radiation Pattern

Bent

Elevation Plane

Horizontal Plane



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PACKAGING

Pack 20pcs antenna in one PE bag
25pcs PE bag (500pcs Antenna) in one carton



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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