

Description: 2.4-2.5GHz PCB Antenna with coax feed

Series: Internal PCB

PART NUMBER: W3525BXXX



Features:

- 2400-2500 MHz
- Size: 10.7 x 47.7 x 0.8 mm
- Gain 1.5dBi
- Radiation pattern Omni
- Cable length, see page 2
- Connector U.FL compatible
- RoHS Compliant

Applications:

- 2.4GHz ISM band radios
- WiFi, Bluetooth, BLE, ZigBee
- Devices requiring internal antenna
- Security, IoT, Monitoring, Industrial applications

All dimensions are in mm / inches

Issue: 2003

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

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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



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This document covers all product variants of the following product family

| Part Number | Cable Length | Adhesive Tape | Cable type | Connector type | Frequency | Max Gain |
|-------------|-----------------|-------------------|-----------------------------------|---|-----------|----------|
| W3525B039 | 3.9" / 100 mm | N.A. | Ø1.13mm Coax Cable, Gray color | I-PEX MHF or euivalent, Compatible with U.FL | 2.4 GHz | 2 dBi |
| W3525B052 | 5.2" / 132.1 mm | N.A. | | | | |
| W3525B100 | 10" / 254 mm | N.A. | | | | |
| W3525B039T | 3.9" / 100 mm | 3M 467 (T=0.05mm) | | | | |
| W3525B0150T | 150 mm | 3M 467 (T=0.05mm) | | | | |
| W3525B0250 | 250 mm | N.A. | | | | |

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Description: 2.4-2.5GHz PCB Antenna with coax feed**PART NUMBER:** W3525BXXX**Series:** Internal PCB**ELECTRICAL SPECIFICATIONS**

| | |
|--------------------|------------------|
| Antenna Type | Dipole PCB+Cable |
| Frequency | 2400-2500MHz |
| Nominal Impedance | 50 Ω |
| VSWR | 2.5:1 |
| Radiation Pattern | Omni |
| Gain | 1.5dBi |
| Efficiency | 55% |
| Polarization | Vertical |
| Power Withstanding | 1W |

MECHANICAL SPECIFICATIONS

| | |
|------------------|---------------------|
| Overall Length | 10.7x47.7x0.8mm |
| Antenna Material | PCB |
| Connector type | I-PEX or equivalent |
| Cable type | MI-113 Gray |

ENVIRONMENTAL SPECIFICATIONS

| | |
|-----------------------|----------------|
| Operating Temperature | -40° C~+85 ° C |
| Storage Temperature | -40° C~+85 ° C |
| RoHS Compliant | Yes |

OTHER SPECIFICATIONS

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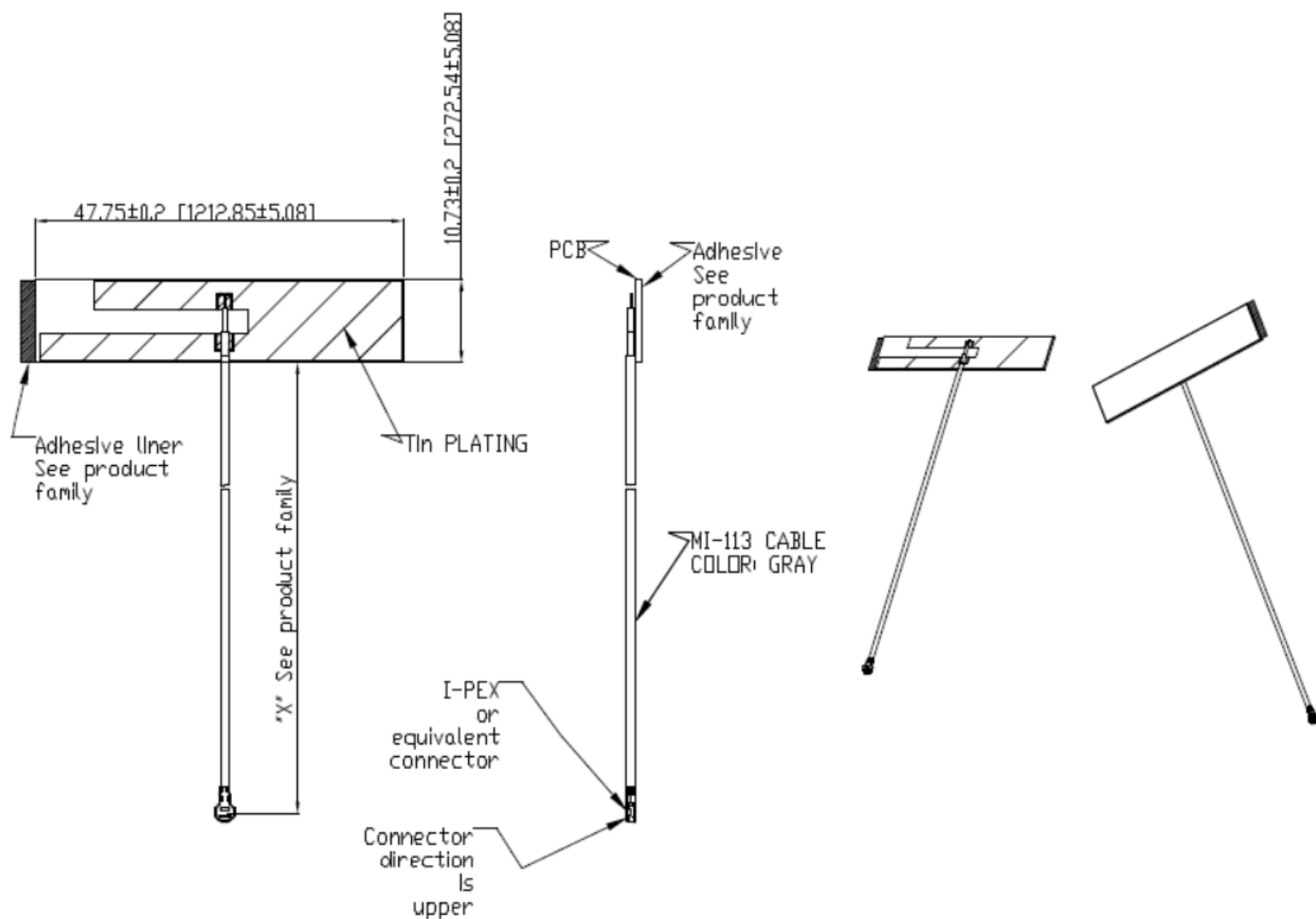
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MECHANICAL DRAWING



| Part Number | Frequency(GHz) | Max Gain(dBi) | Impedance(ohm) | PWB Length(in/mm) | Cable Length(in/mm) | Adhesive Tape |
|-------------|----------------|---------------|----------------|-------------------|---------------------|---------------|
| W3525B039 | 2.4 | 2 | 50 | 1.87/47.7 | 3.9/100 | N/A |
| W3525B052 | 2.4 | 2 | 50 | 1.87/47.7 | 5.2/132.1 | N/A |
| W3525B100 | 2.4 | 2 | 50 | 1.87/47.7 | 10/254 | N/A |
| W3525B039T | 2.4 | 2 | 50 | 1.87/47.7 | 3.9/100 | Required |

Dimension unit: mm/inch

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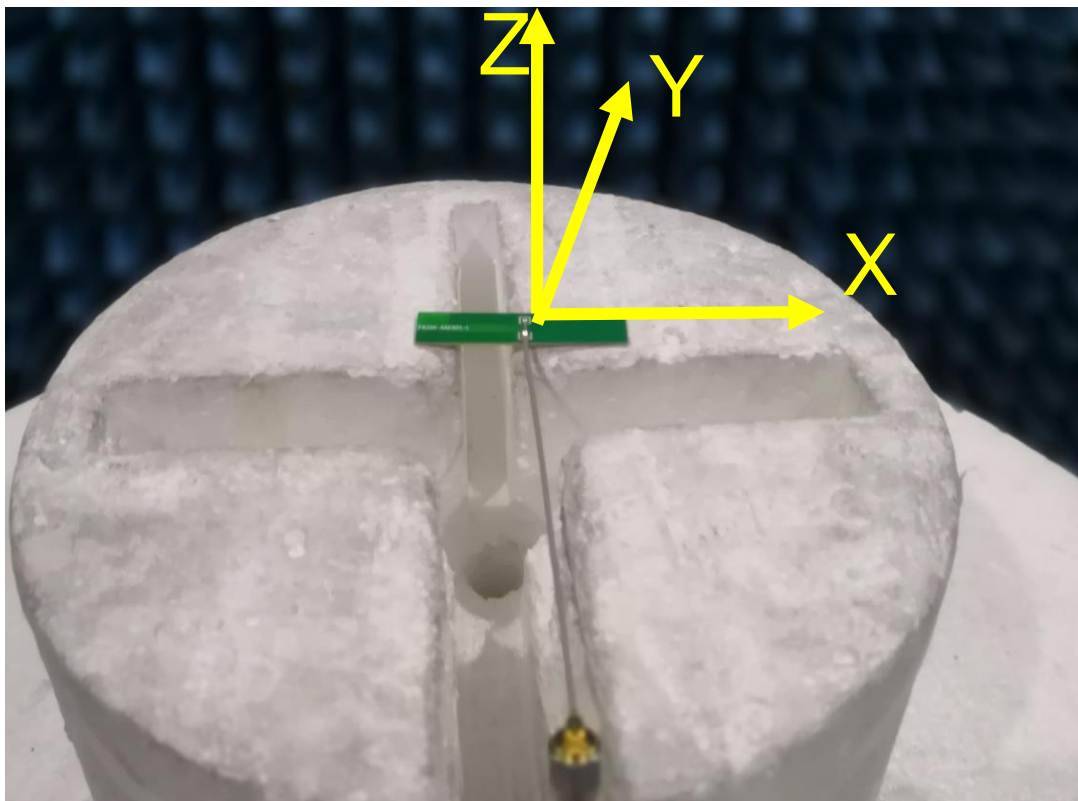
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TEST SETUP



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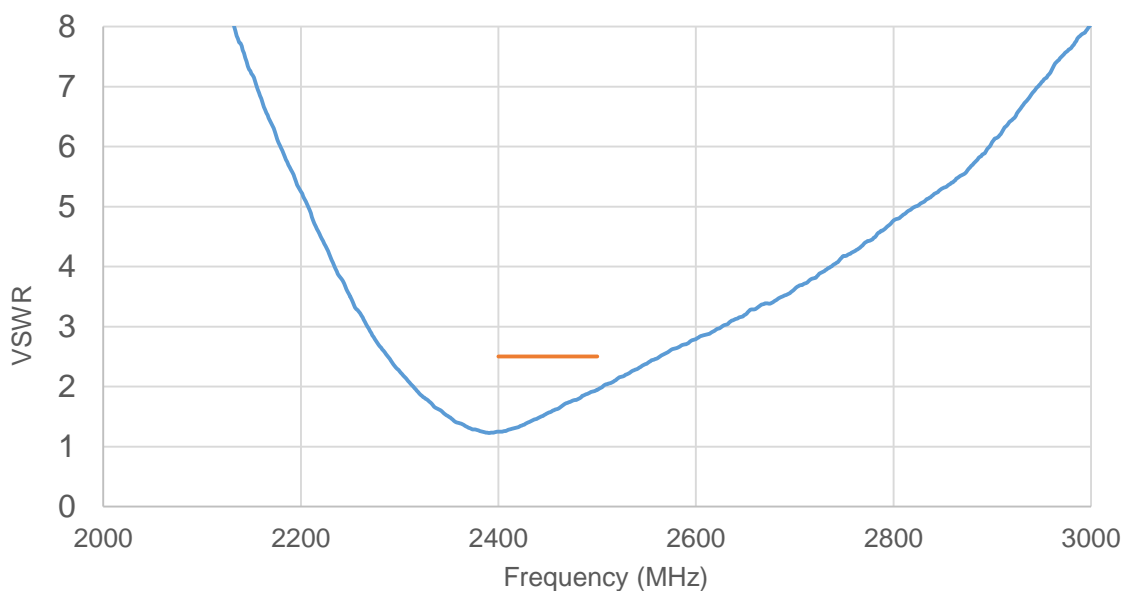
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CHARTS

VSWR



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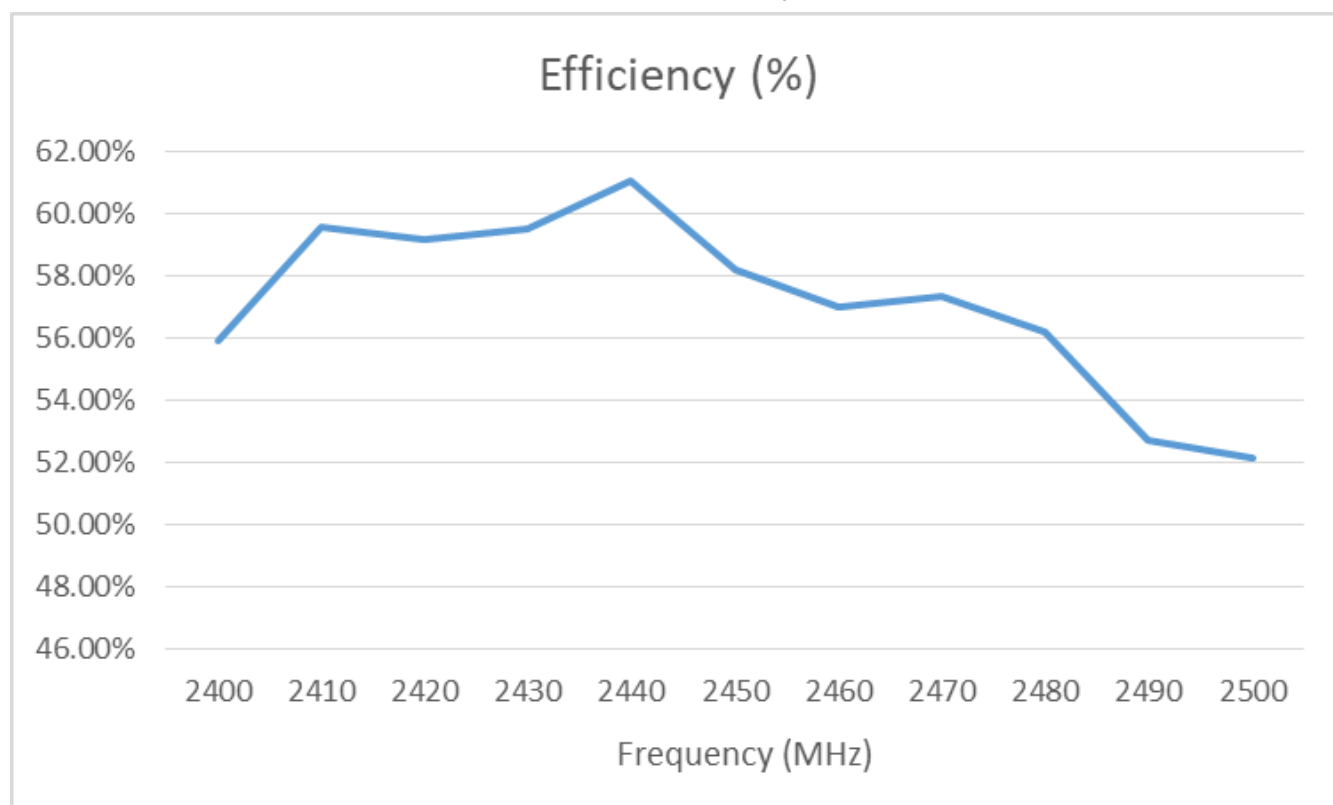
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CHARTS

Efficiency



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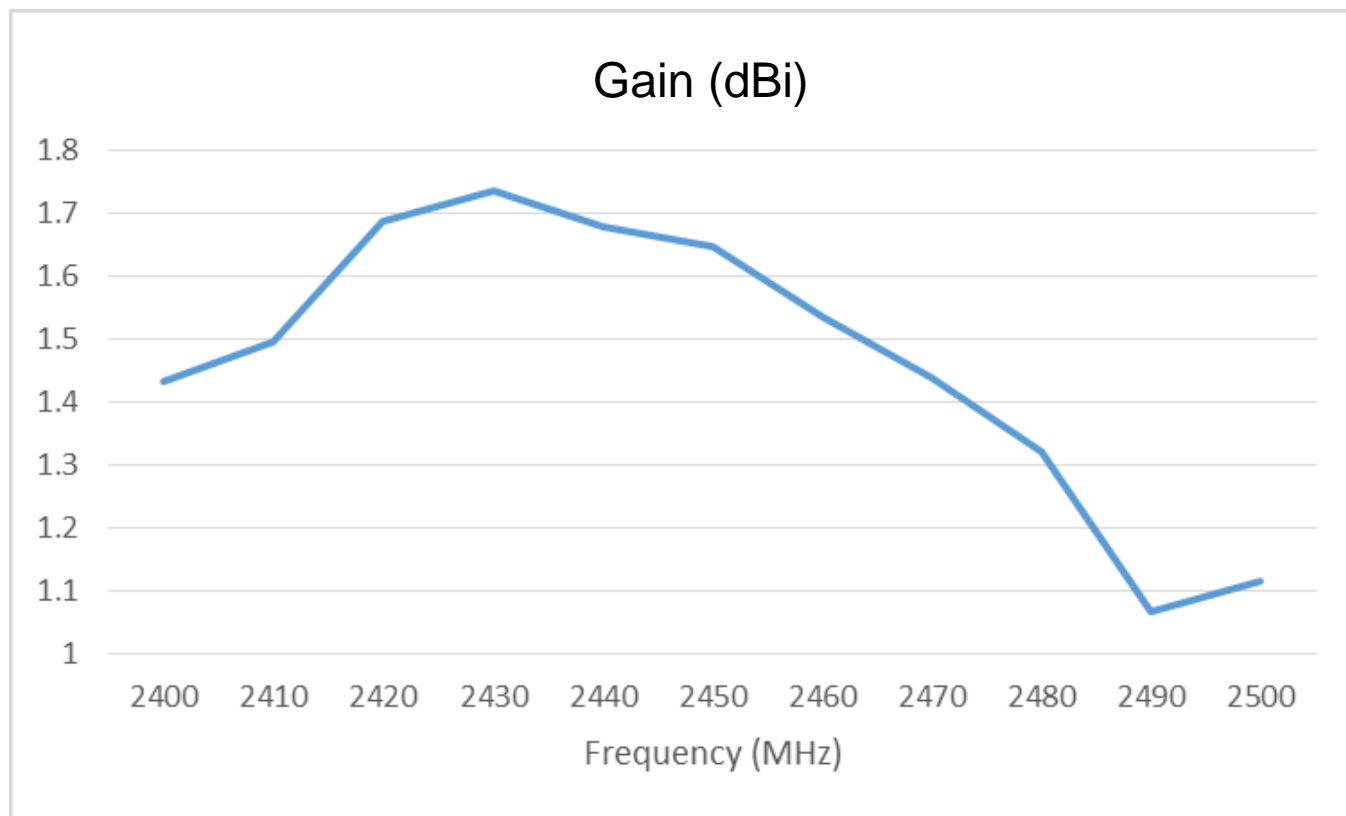
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CHARTS

Gain



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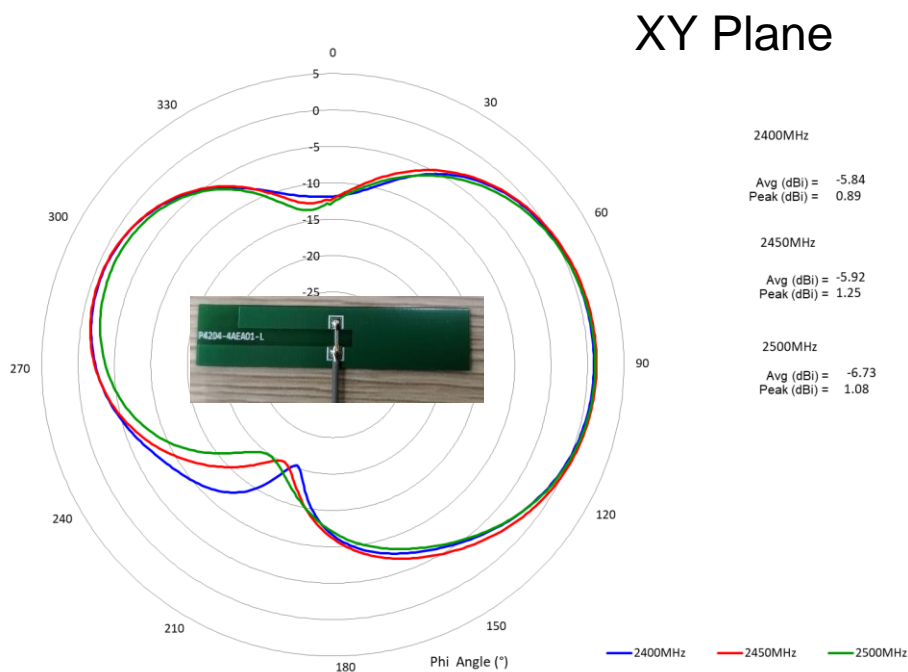
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CHARTS

Free Space Radiation Pattern



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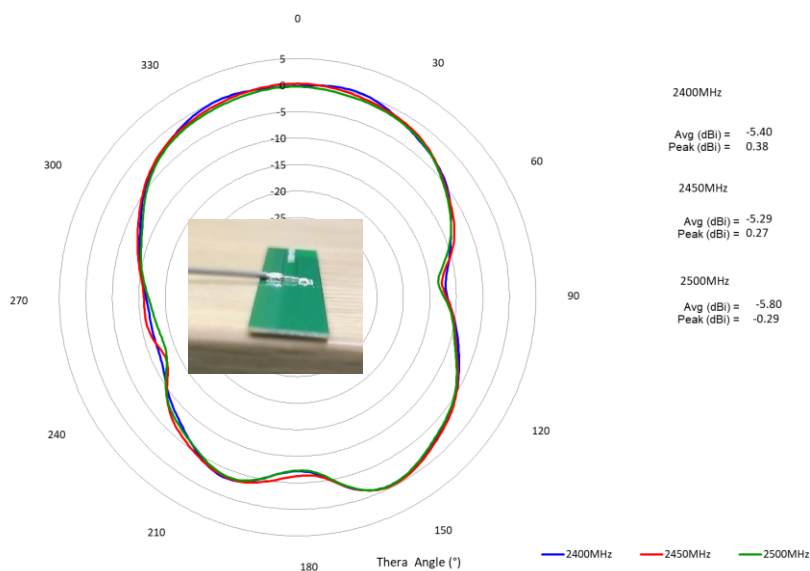
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Series: Internal PCB

CHARTS

Free Space Radiation Pattern

XZ Plane



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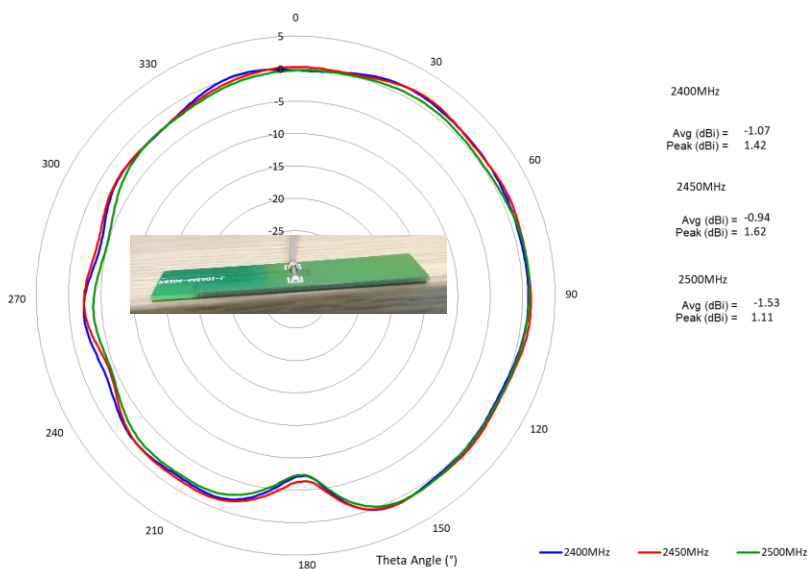
PART NUMBER: W3525BXXX

Series: Internal PCB

CHARTS

Free Space Radiation Pattern

YZ Plane



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PACKAGING

For W3525B039 and W3525B039T and W3525B052

10pcs antennas packing packed in 1 sealed bag

10pcs sealed bags (total 100pcs antennas) packed in 1 foam bag

12pcs foam bags (total 1200pcs antennas) packed in 1 carton

460x235x140mm

For W3525B100

5pcs antennas packing packed in 1 sealed bag

20pcs sealed bags (total 100pcs antennas) packed in 1 foam bag

12pcs foam bags (total 1200pcs antennas) packed in 1 carton

460x235x140mm

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

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- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
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- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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