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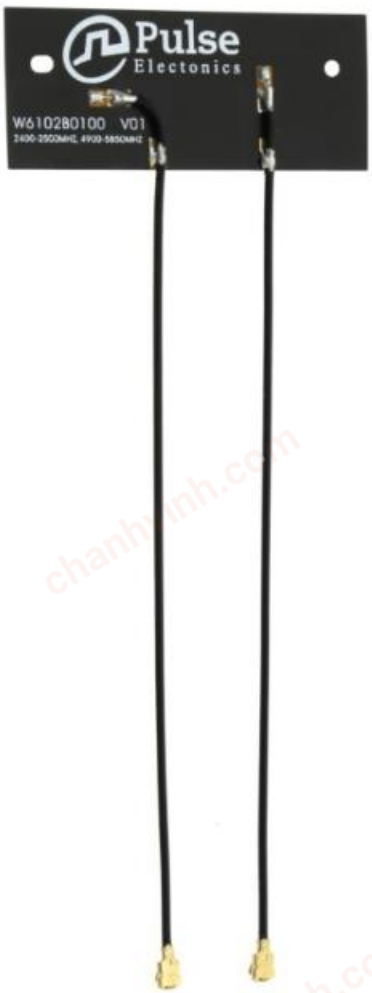
PulseLARSEN Antennas

TECHNICAL DATA SHEET

Description: 2X2 MIMO Dual WiFi Antenna

Series: FPC Antenna

PART NUMBER: W6102B0100



Features:

- Port 1: 2.4-2.5/4.9-5.925GHz
- Port 2: 2.4-2.5/4.9-5.925GHz
- Supports dual band WiFi and DSRC bands
- Size 50x20mm
- Cables 100mm 1.13mm OD
- U.FL compatible connectors

Applications:

- WiFi, Zigbee, Bluetooth radios
- ISM 2.4GHz and 5GHz
- DSRC 5925MHz
- Routers, Gateways, Security
- Transportation
- M2M, IoT

Issue: 1701

RoHS COMPLIANT

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Jiangsu Province, Suzhou 215009 PR China
Tel: 86 512 6807 9998

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ELECTRICAL SPECIFICATIONS

Frequency	2.4-2.5/4.9-5.925GHz
Nominal Impedance	50Ω
VSWR	<2
Gain	2dBi+/- 1dB@ 2.4GHz
	6dBi+/-1dB@5GHz
Radiation Pattern	Omni
Polarization	Linear
Power withstanding	3W
Connector type	U.FL compatible
Cable type	Low loss Φ1.13mm Coaxial Cable
Cable length	100mm

(*) All RF parameters measured on 2mm thick PC plate

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MECHANICAL SPECIFICATIONS

Color	Black
Weight	1.22 g
Overall Length	50 mm
Radiator Thickness with adhesive tape	0.2 mm
Fixing system	Adhesive Tape, 3M6677 PC

ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-40~ +85° C

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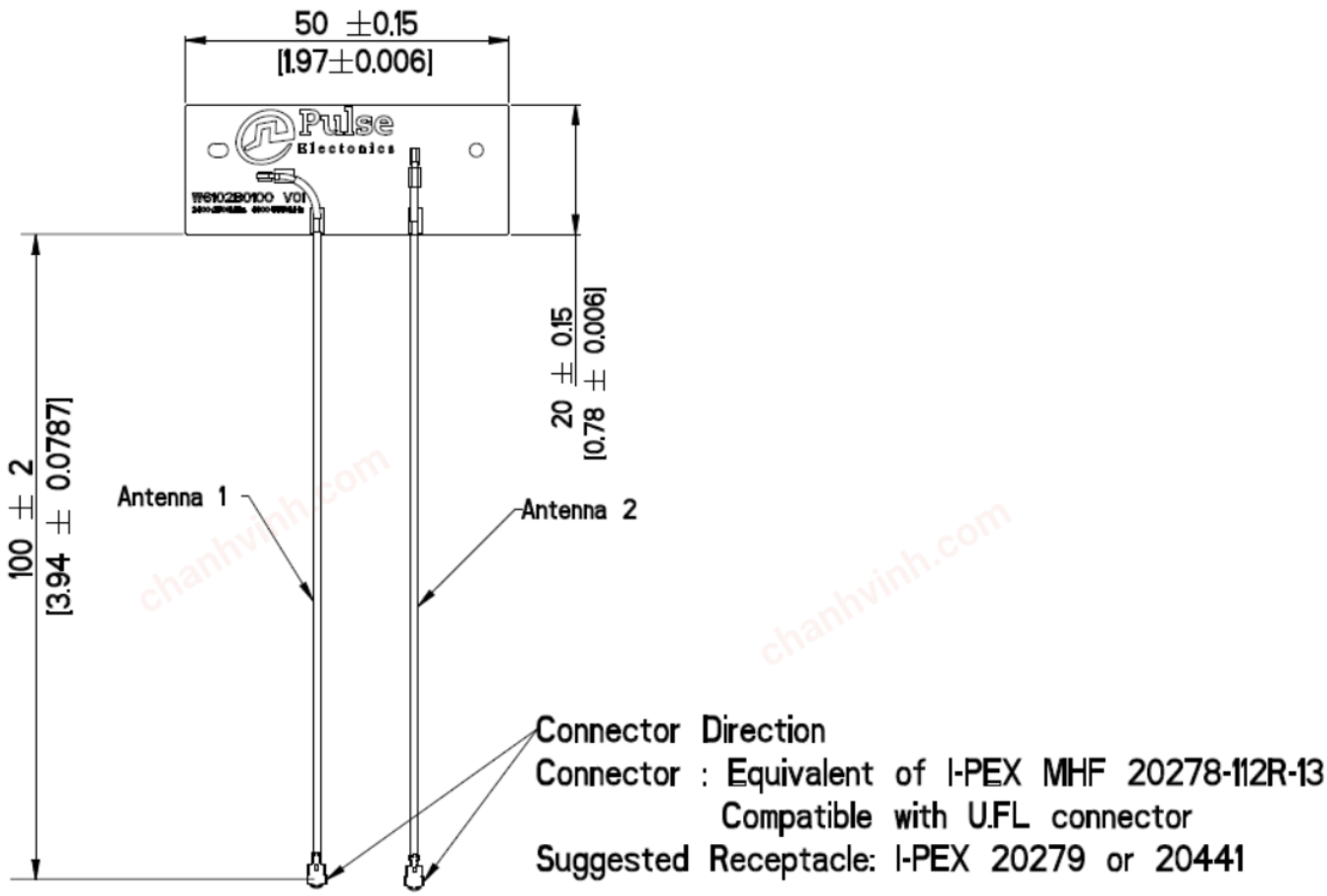
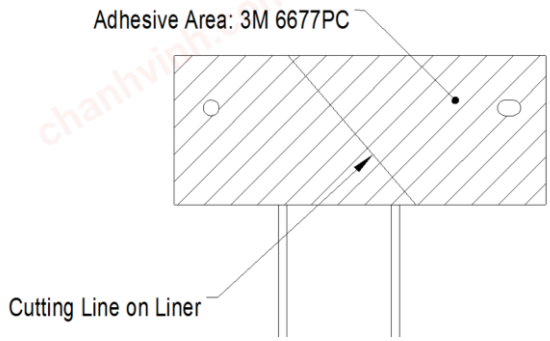
MECHANICAL DRAWING





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PulseLARSEN Antennas

TECHNICAL DATA SHEET

Description: 2X2 MIMO Dual WiFi Antenna

Series: FPC Antenna

PART NUMBER: W6102B0100

CHARTS



(*) All RF parameters measured on 2mm thick PC plate

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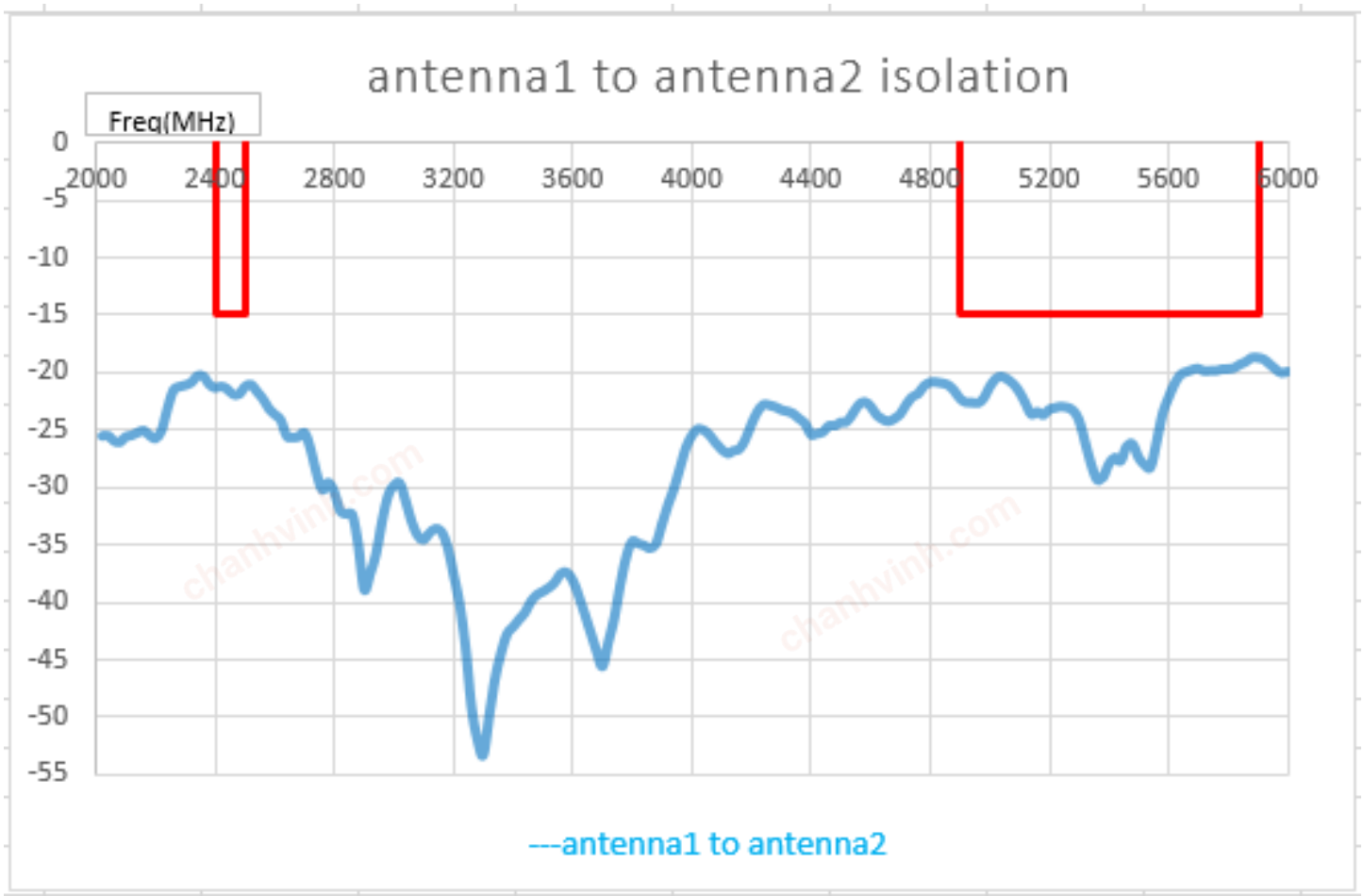

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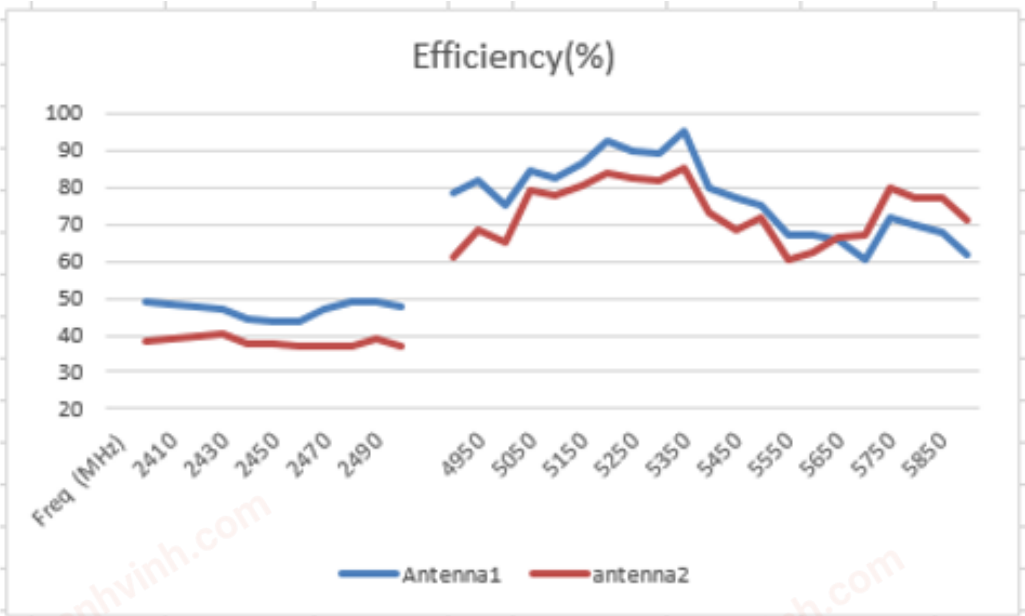

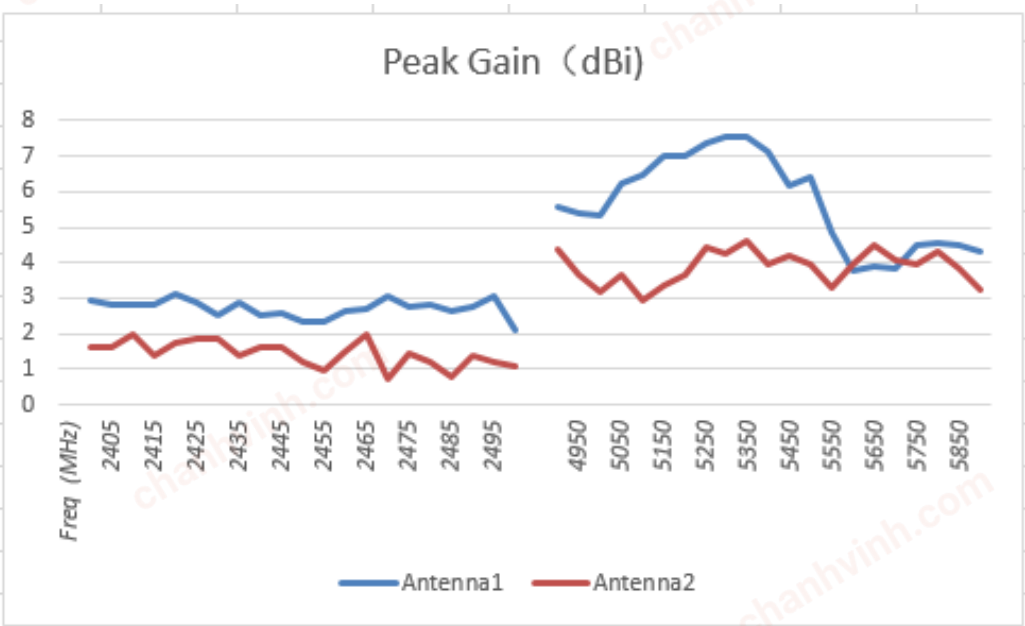

(*) All RF parameters measured on 2mm thick PC plate

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PulseLARSEN Antennas

TECHNICAL DATA SHEET

Description: 2X2 MIMO Dual WiFi Antenna

Series: FPC Antenna

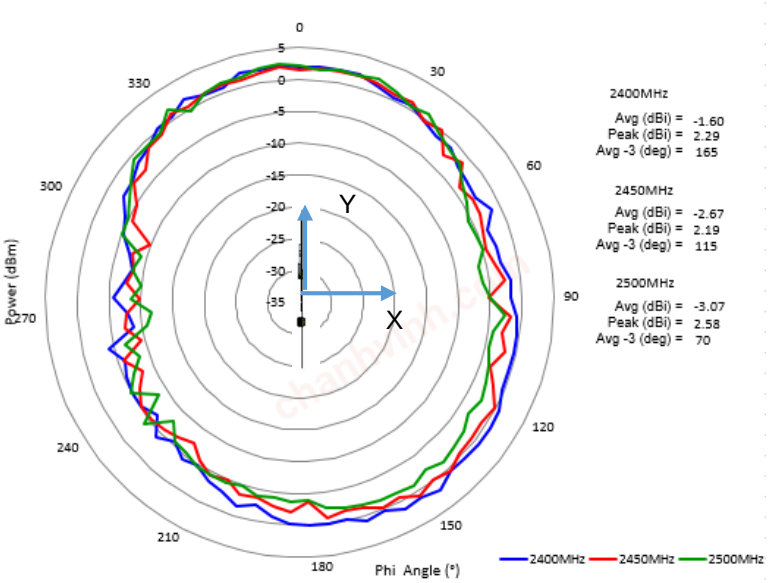
PART NUMBER: W6102B0100

CHARTS

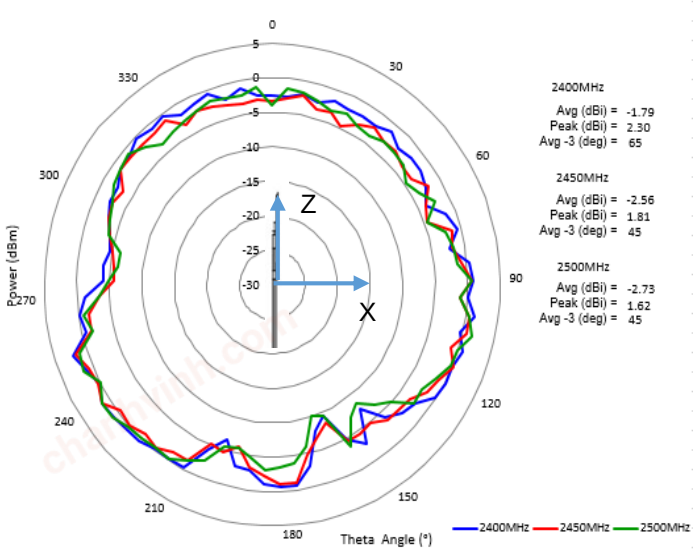
Typical free space radiation pattern—Antenna1： 2.4-2.5GHz

(*) All RF parameters measured on 2mm thick PC plate

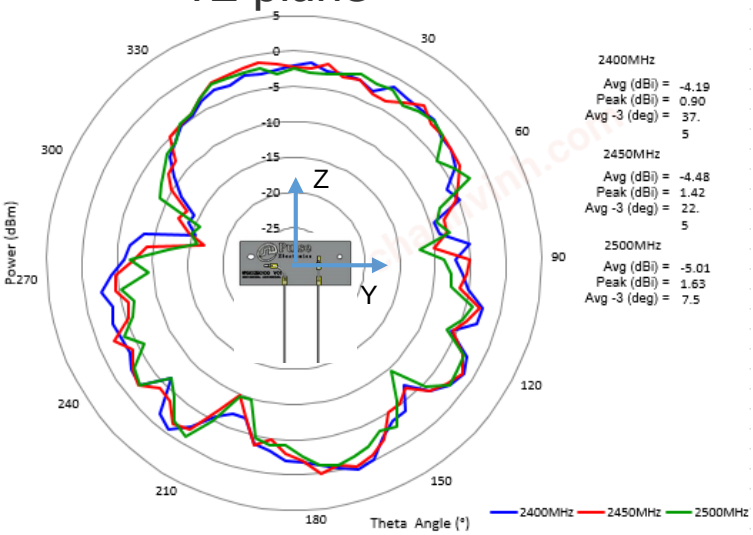
XY plane

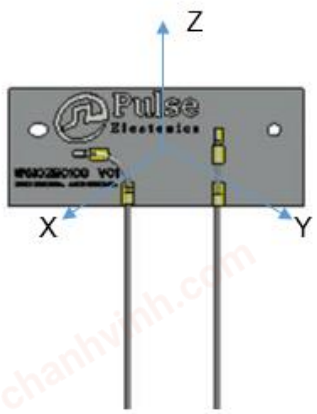


ZX plane



YZ plane





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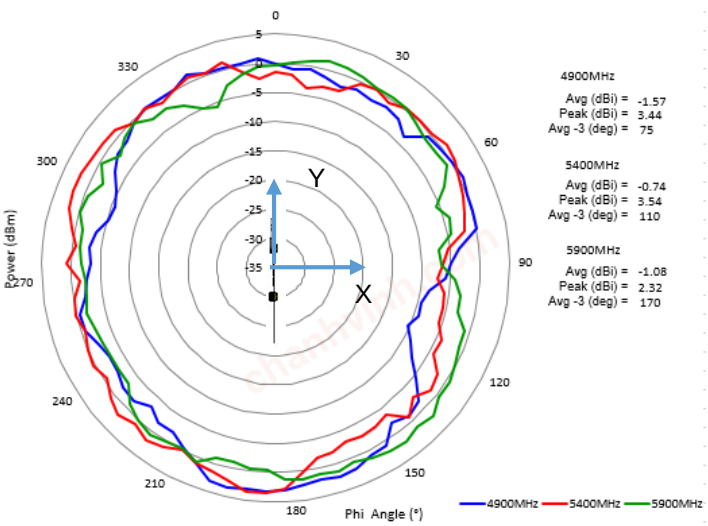
PART NUMBER: W6102B0100

CHARTS

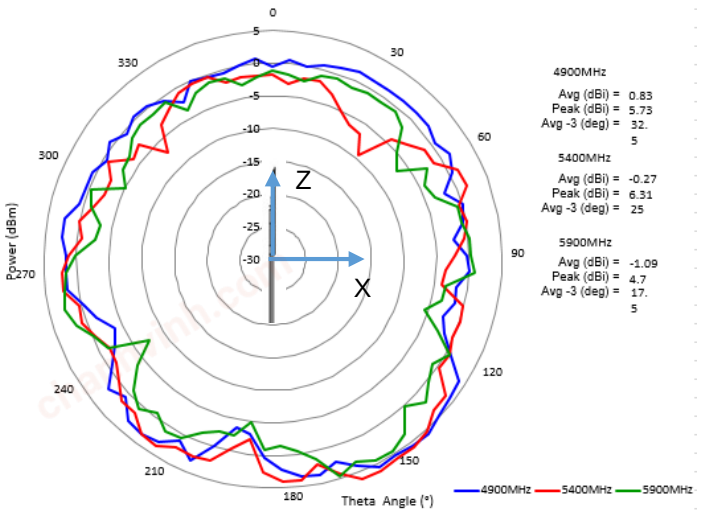
Typical free space radiation pattern—Antenna1： 4.9-5.925GHz

(*) All RF parameters measured on 2mm thick PC plate

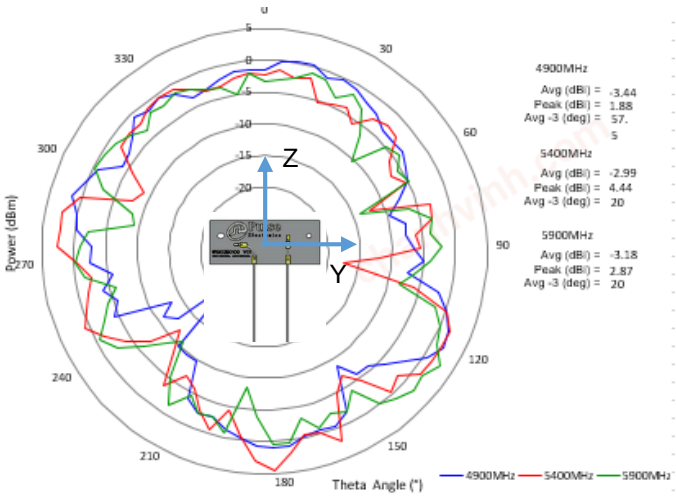
XY plane

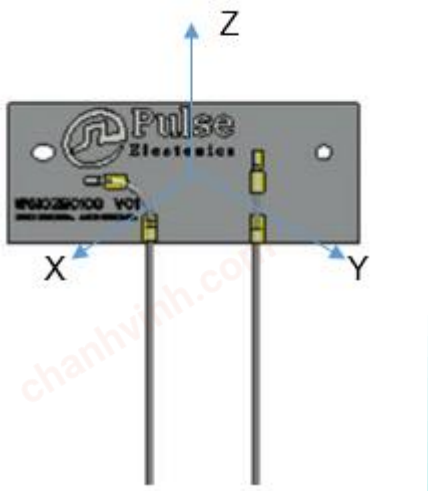


ZX plane



YZ plane





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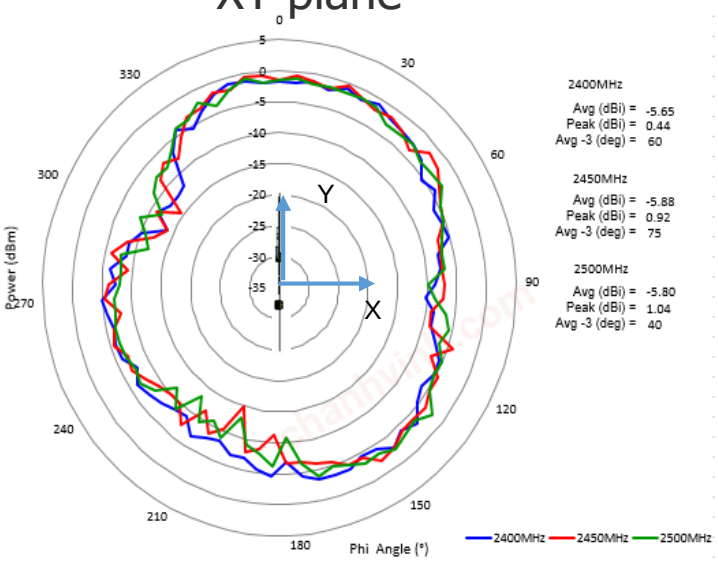
PART NUMBER: W6102B0100

CHARTS

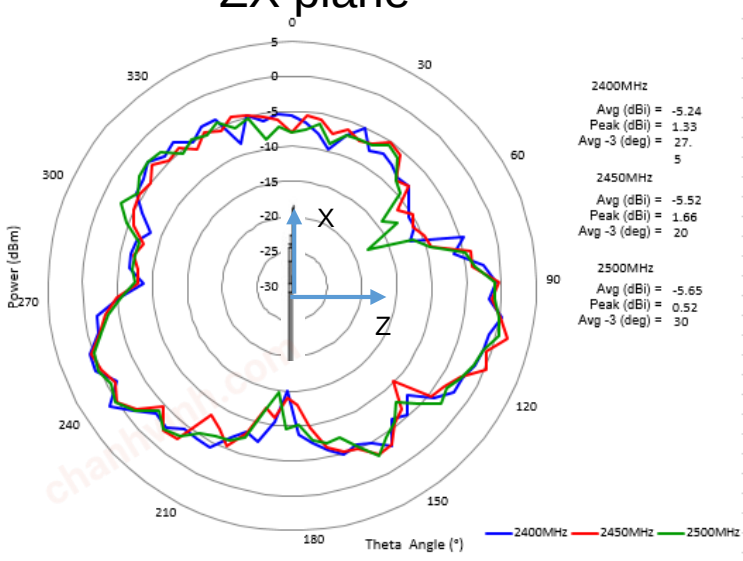
Typical free space radiation pattern—Antenna2： 2.4-2.5GHz

(*) All RF parameters measured on 2mm thick PC plate

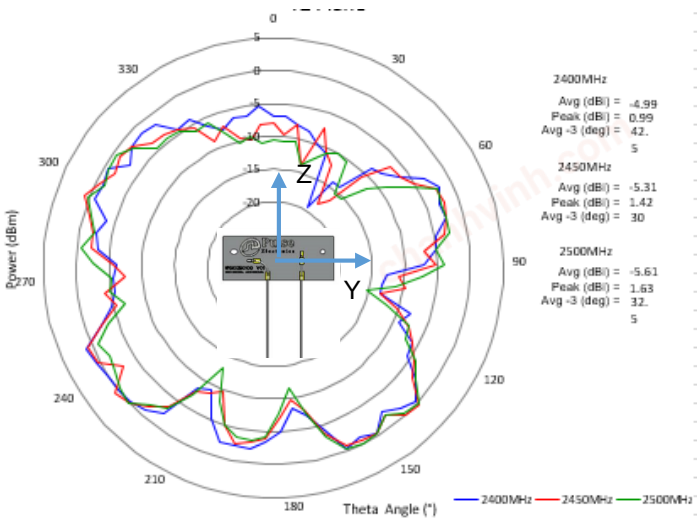
XY plane

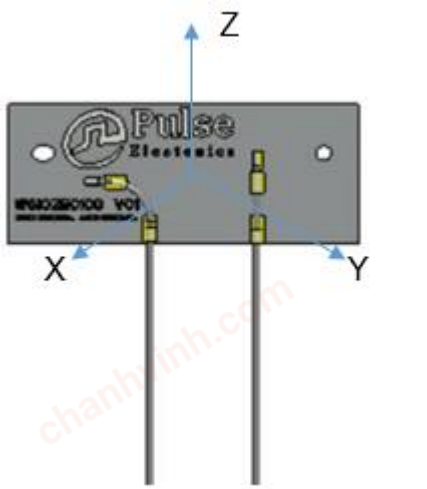


ZX plane



YZ plane





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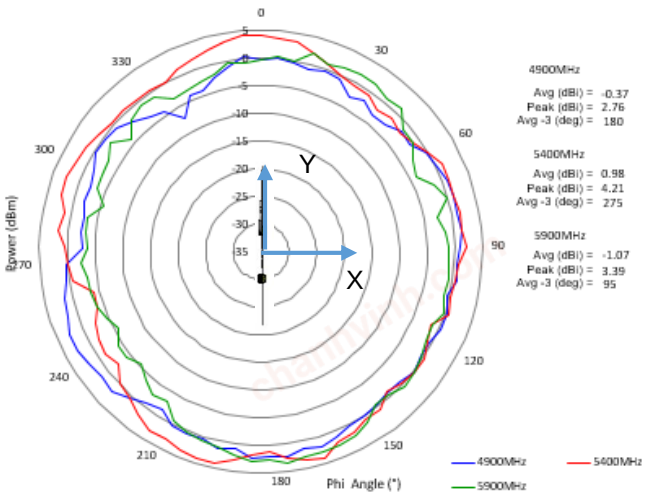
CHARTS

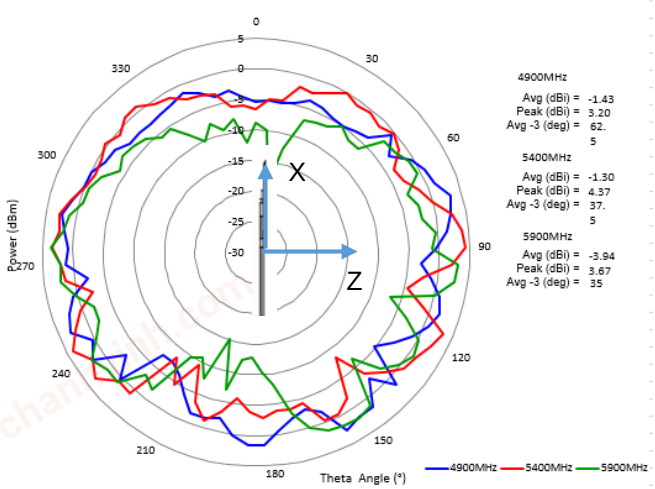
Typical free space radiation pattern—Antenna2： 4.9-5.925GHz

(*) All RF parameters measured on 2mm thick PC plate

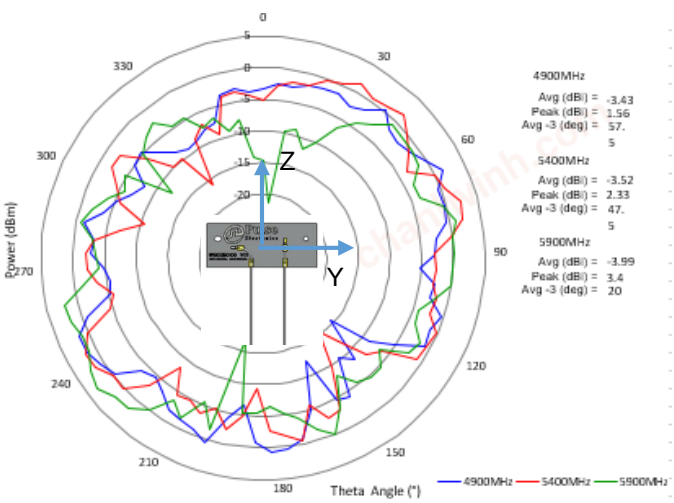
XY plane

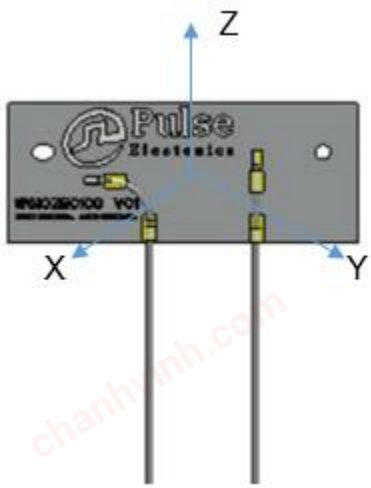


ZX plane



YZ plane





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PACKAGING

5 antennas packed in one plastic bag

100 bags(TBD) of antennas packed in a cardboard box

1 label on each box with qty, part number, date code.

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