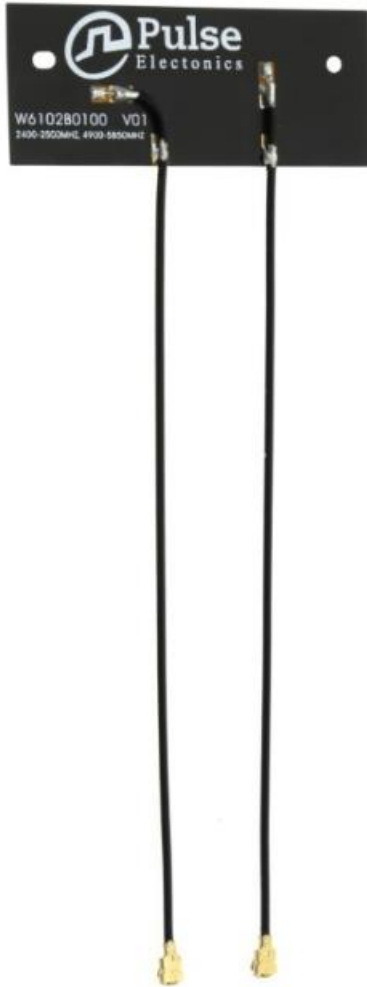


**Description: 2X2 MIMO Dual WiFi Antenna**

**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

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Pulse GmbH & Co, KG  
Zeppelinstrasse 15  
Herrenberg, Germany  
Tel: 49 7032 7806 0

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



Description: 2X2 MIMO Dual WiFi Antenna

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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***

Description: 2X2 MIMO Dual WiFi Antenna

Series: FPC Antenna

PART NUMBER: W6102B0100

**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**

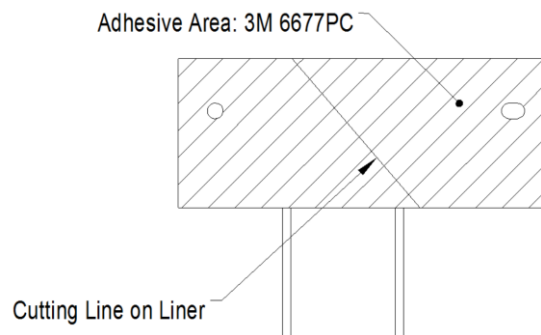
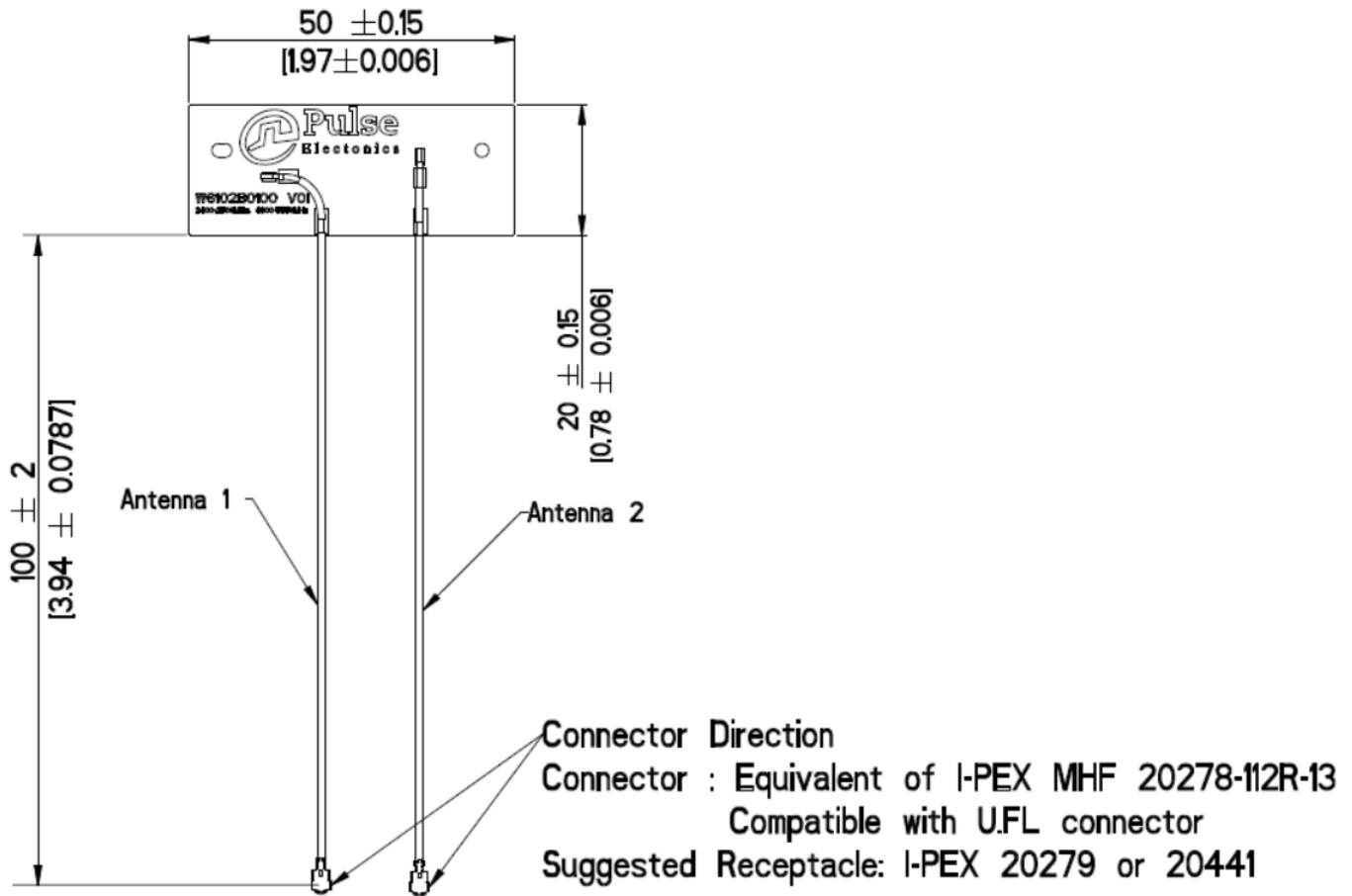
Operating temperature	-40~ +85° C
-----------------------	-------------

Description: 2X2 MIMO Dual WiFi Antenna

Series: FPC Antenna

PART NUMBER: W6102B0100

## MECHANICAL DRAWING



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Description: 2X2 MIMO Dual WiFi Antenna

Series: FPC Antenna

PART NUMBER: W6102B0100

## CHARTS



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

Issue: 1701

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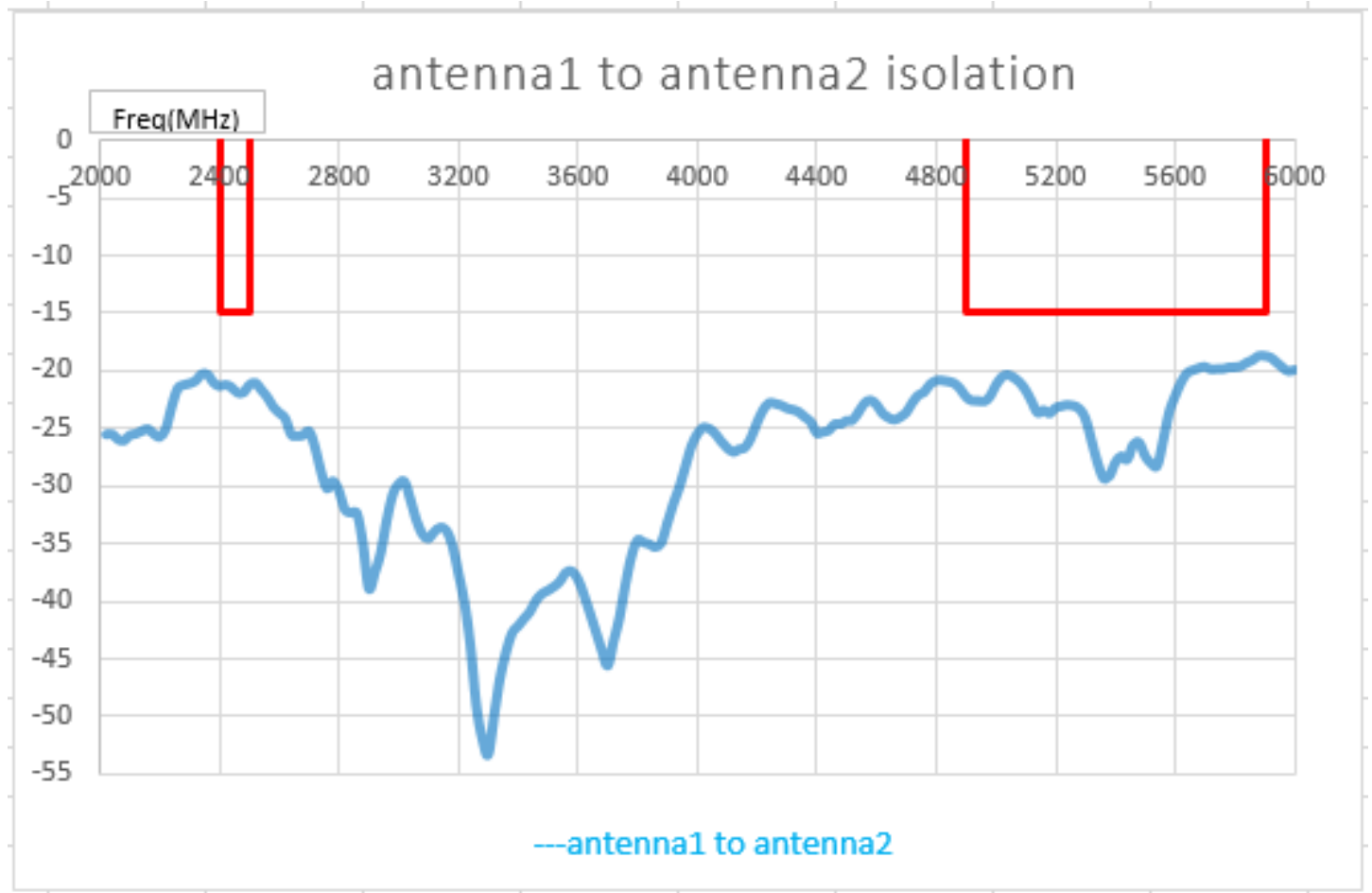
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Description: 2X2 MIMO Dual WiFi Antenna

Series: FPC Antenna

PART NUMBER: W6102B0100

## CHARTS



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

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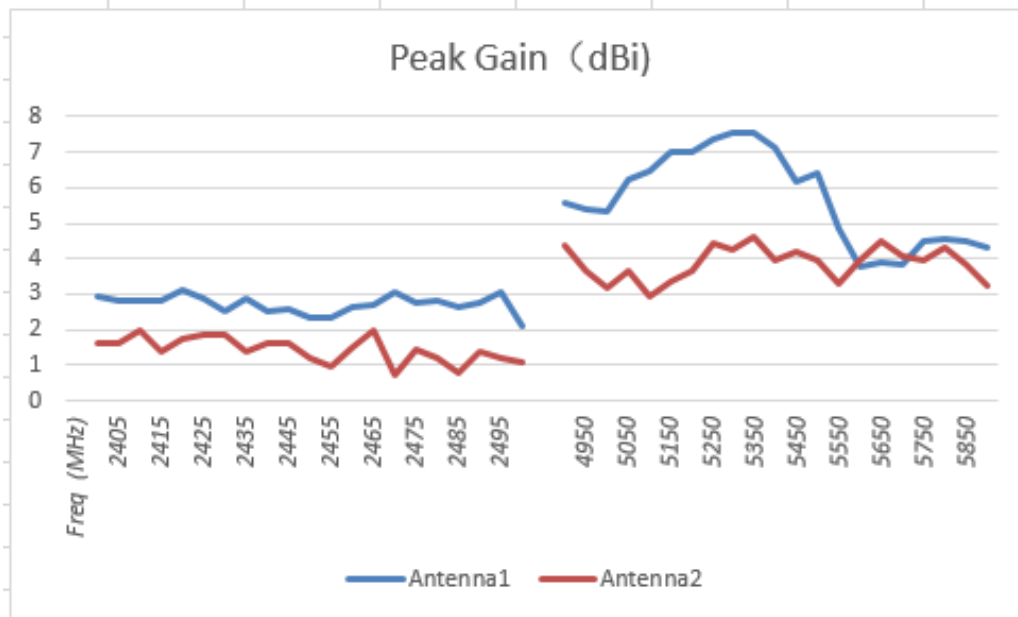
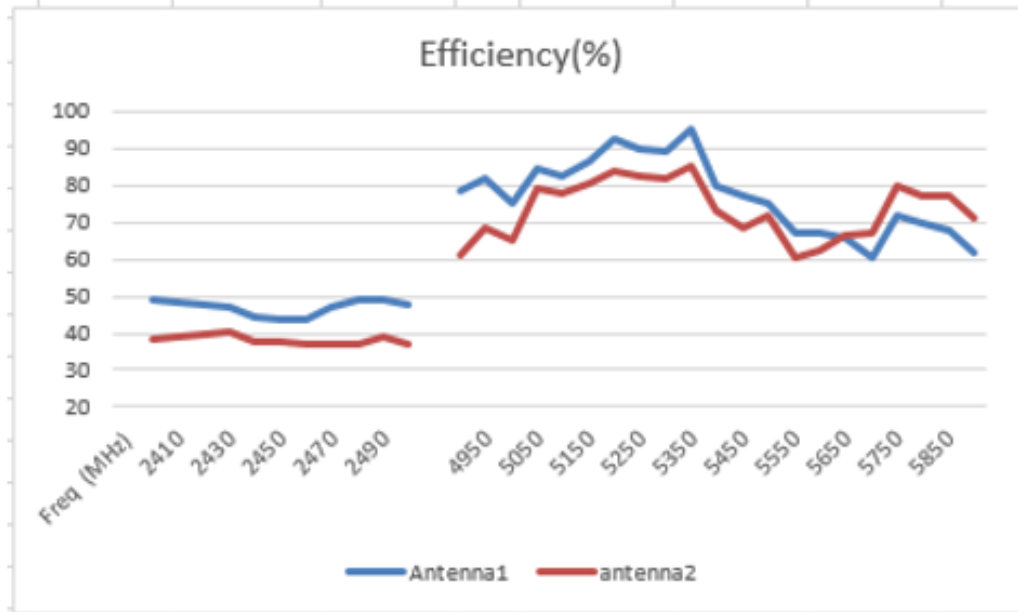
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Series: FPC Antenna

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### CHARTS



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

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## Description: 2X2 MIMO Dual WiFi Antenna

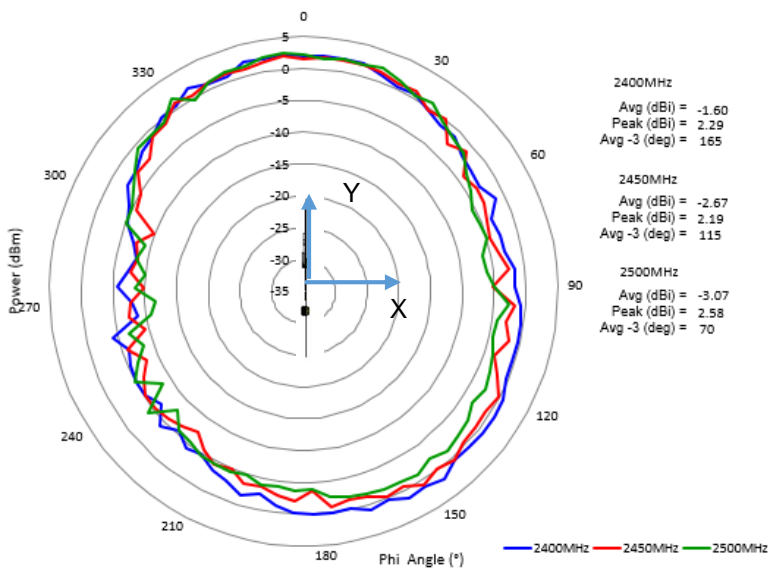
Series: FPC Antenna

PART NUMBER: W6102B0100

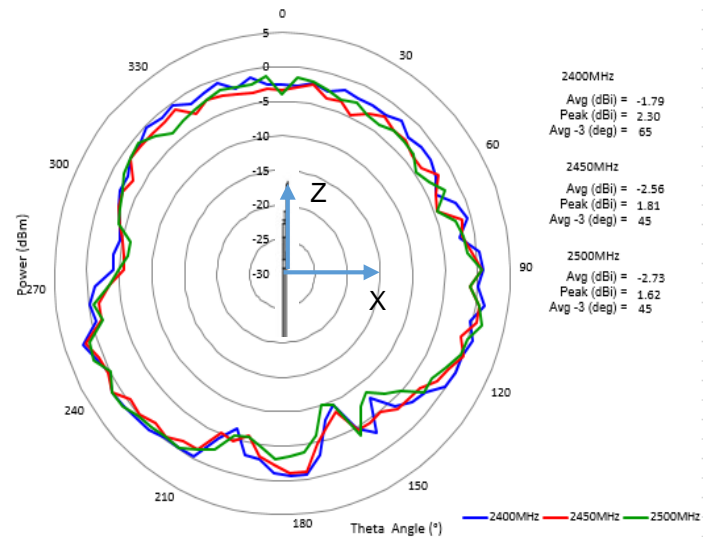
### CHARTS

Typical free space radiation pattern—Antenna1: 2.4-2.5GHz  
 (\*) All RF parameters measured on 2mm thick PC plate

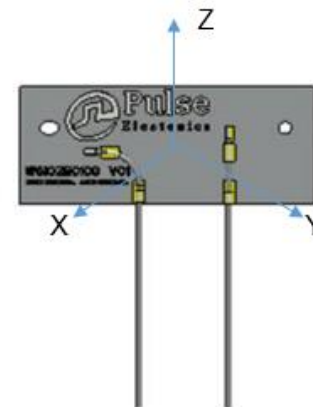
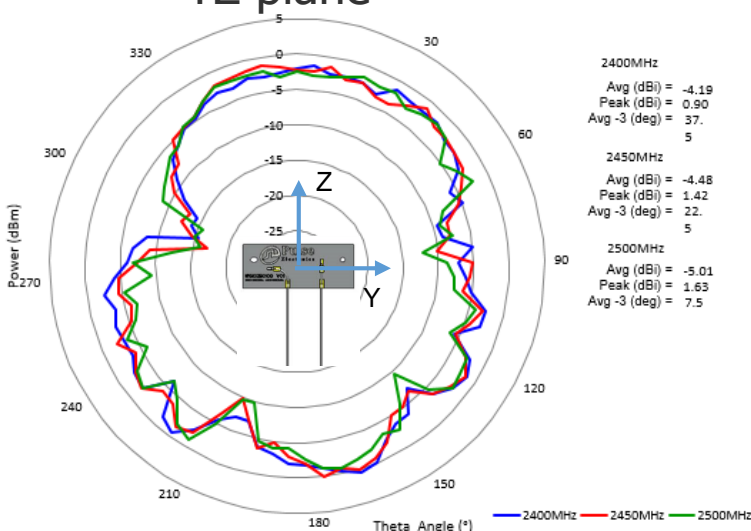
XY plane



ZX plane



YZ plane



Issue: 1701

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# Description: 2X2 MIMO Dual WiFi Antenna

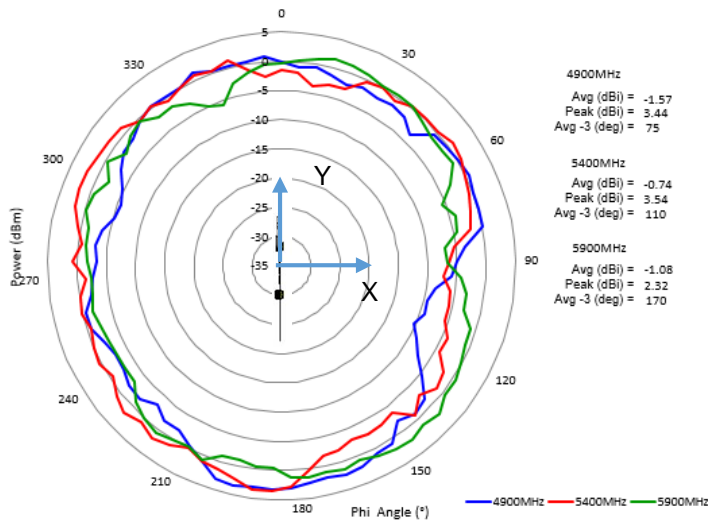
Series: FPC Antenna

PART NUMBER: W6102B0100

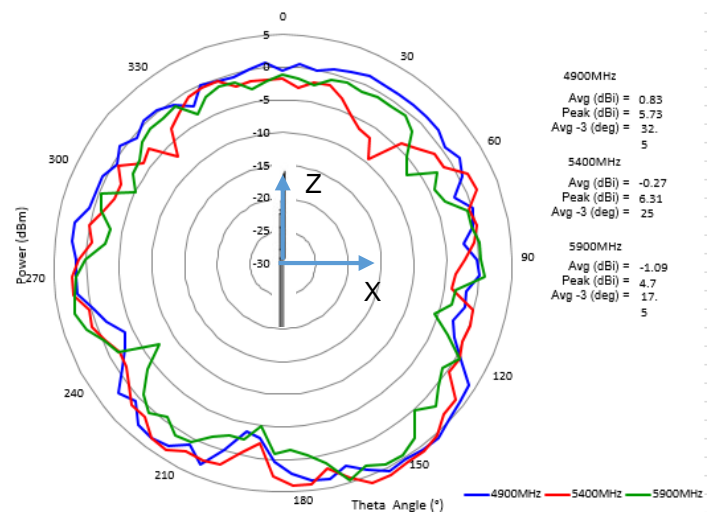
## CHARTS

Typical free space radiation pattern—Antenna1: 4.9-5.925GHz  
 (\*) All RF parameters measured on 2mm thick PC plate

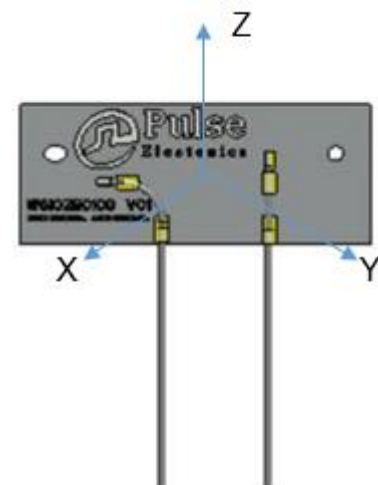
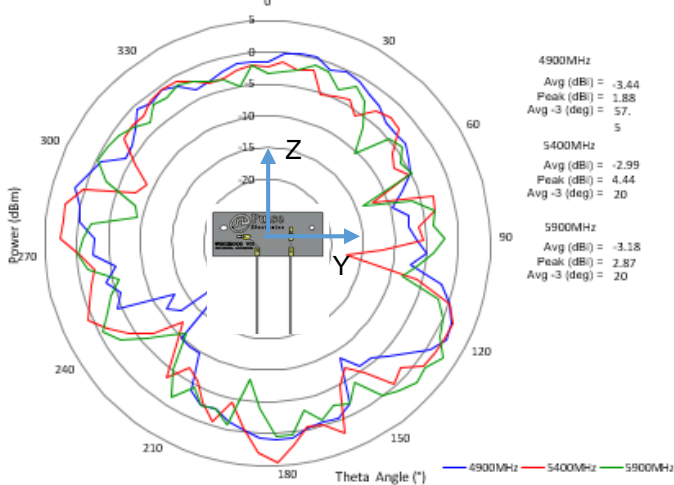
XY plane



ZX plane



YZ plane



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# Description: 2X2 MIMO Dual WiFi Antenna

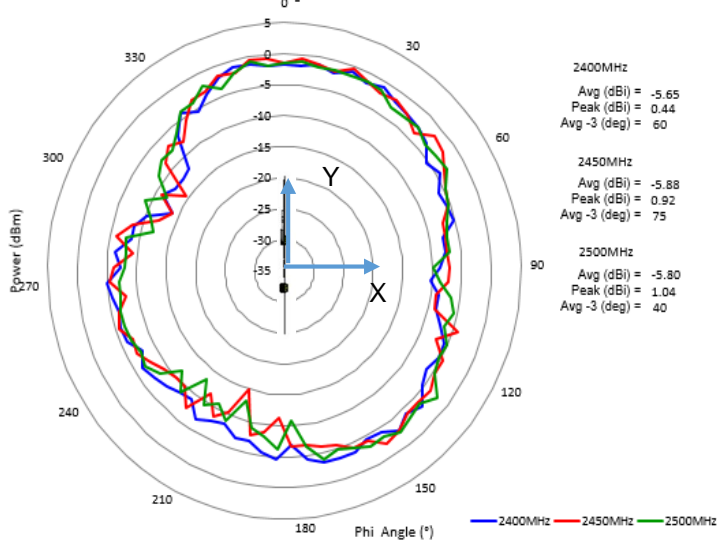
Series: FPC Antenna

PART NUMBER: W6102B0100

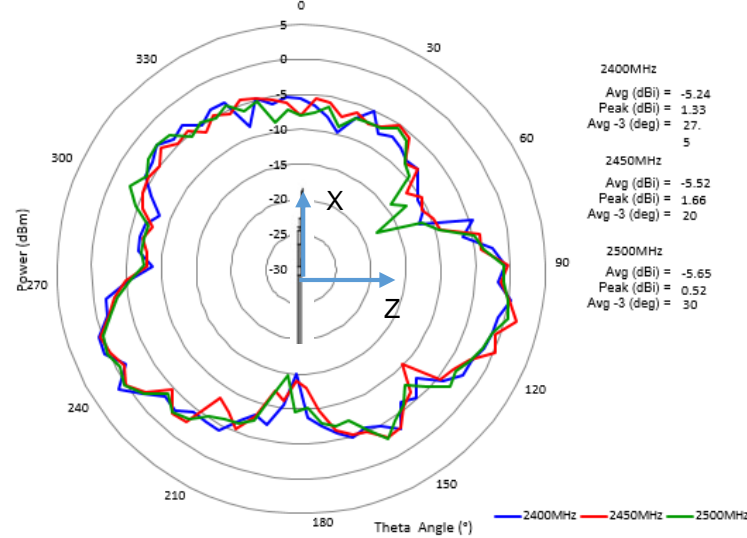
## CHARTS

Typical free space radiation pattern—Antenna2: 2.4-2.5GHz  
 (\*) All RF parameters measured on 2mm thick PC plate

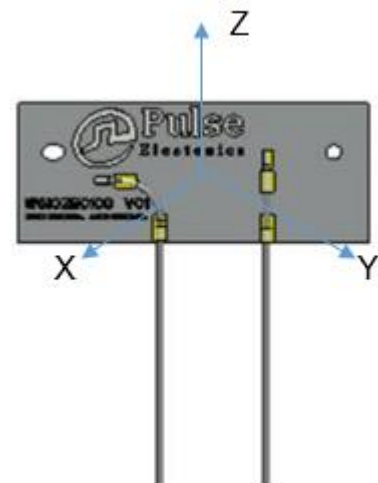
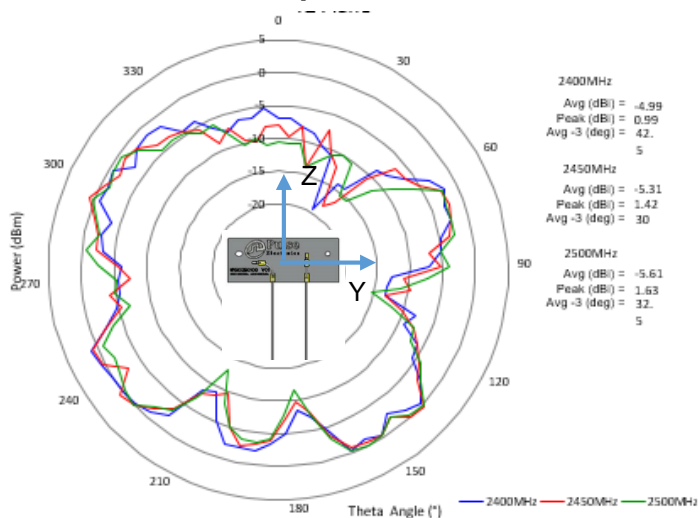
XY plane



ZX plane



YZ plane



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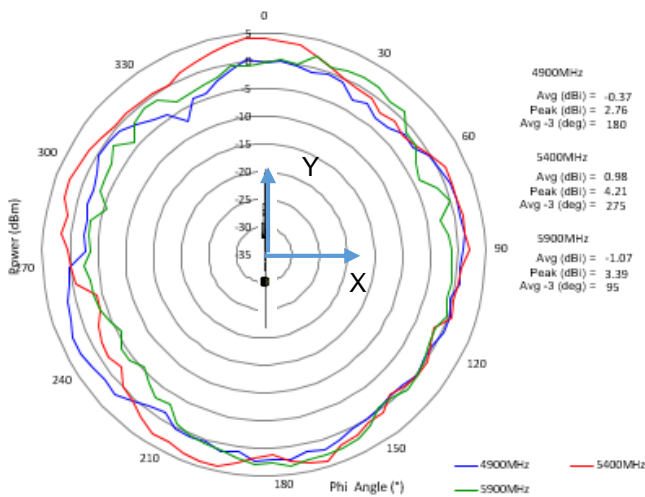
Series: FPC Antenna

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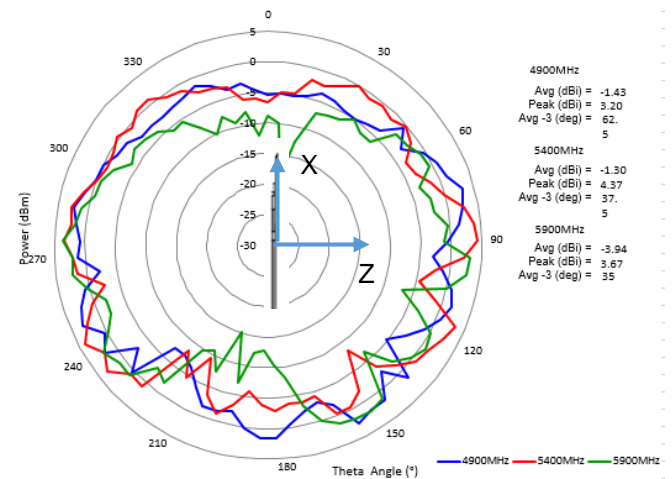
### CHARTS

Typical free space radiation pattern—Antenna2: 4.9-5.925GHz  
 (\*) All RF parameters measured on 2mm thick PC plate

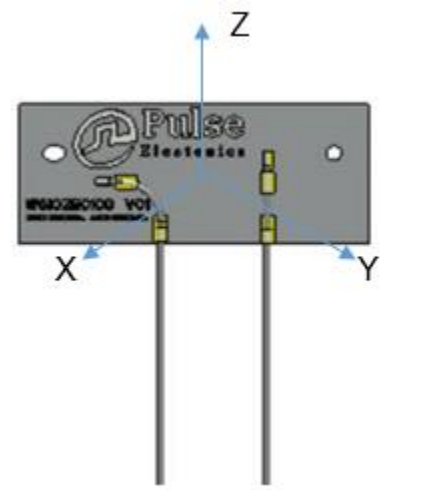
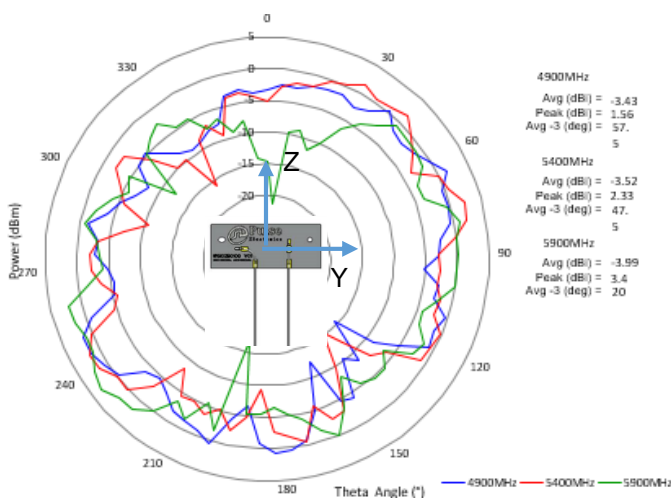
XY plane



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.

# Mouser Electronics

Authorized Distributor

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[W6102B0100](#)