



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

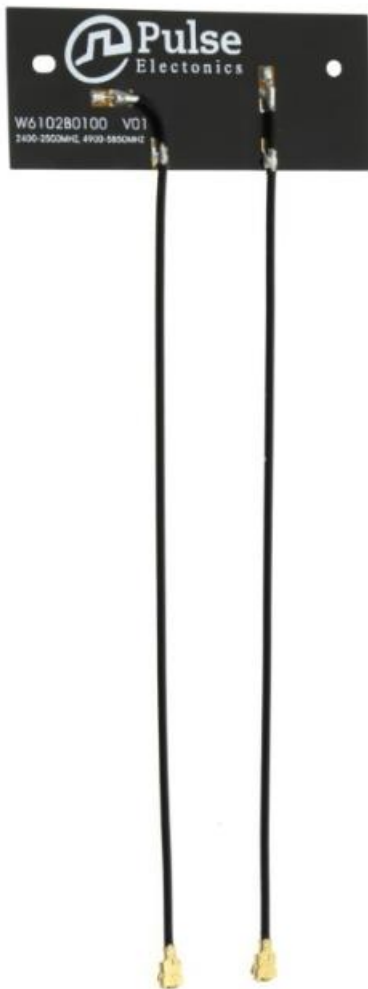
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



**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

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

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For more information:

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Suzhou New District  
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***



**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
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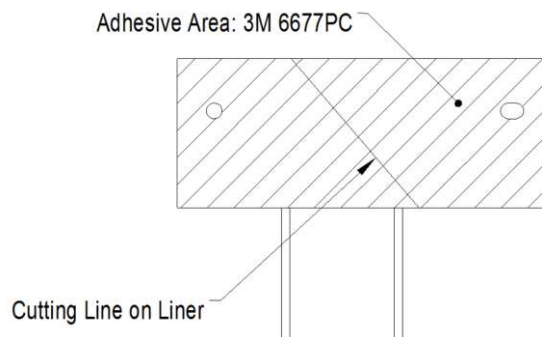
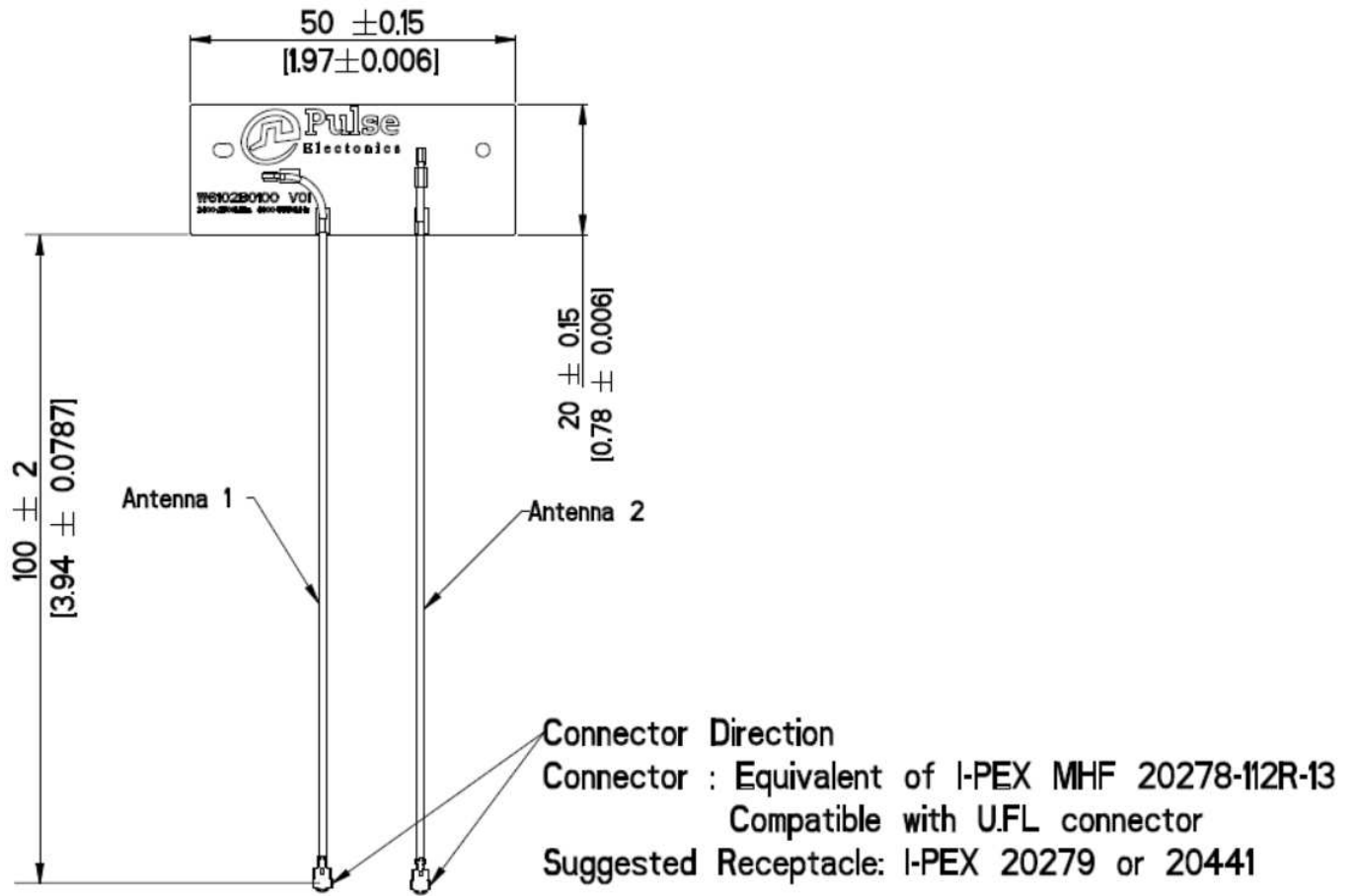
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MECHANICAL DRAWING



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CHARTS



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

Issue: 1701

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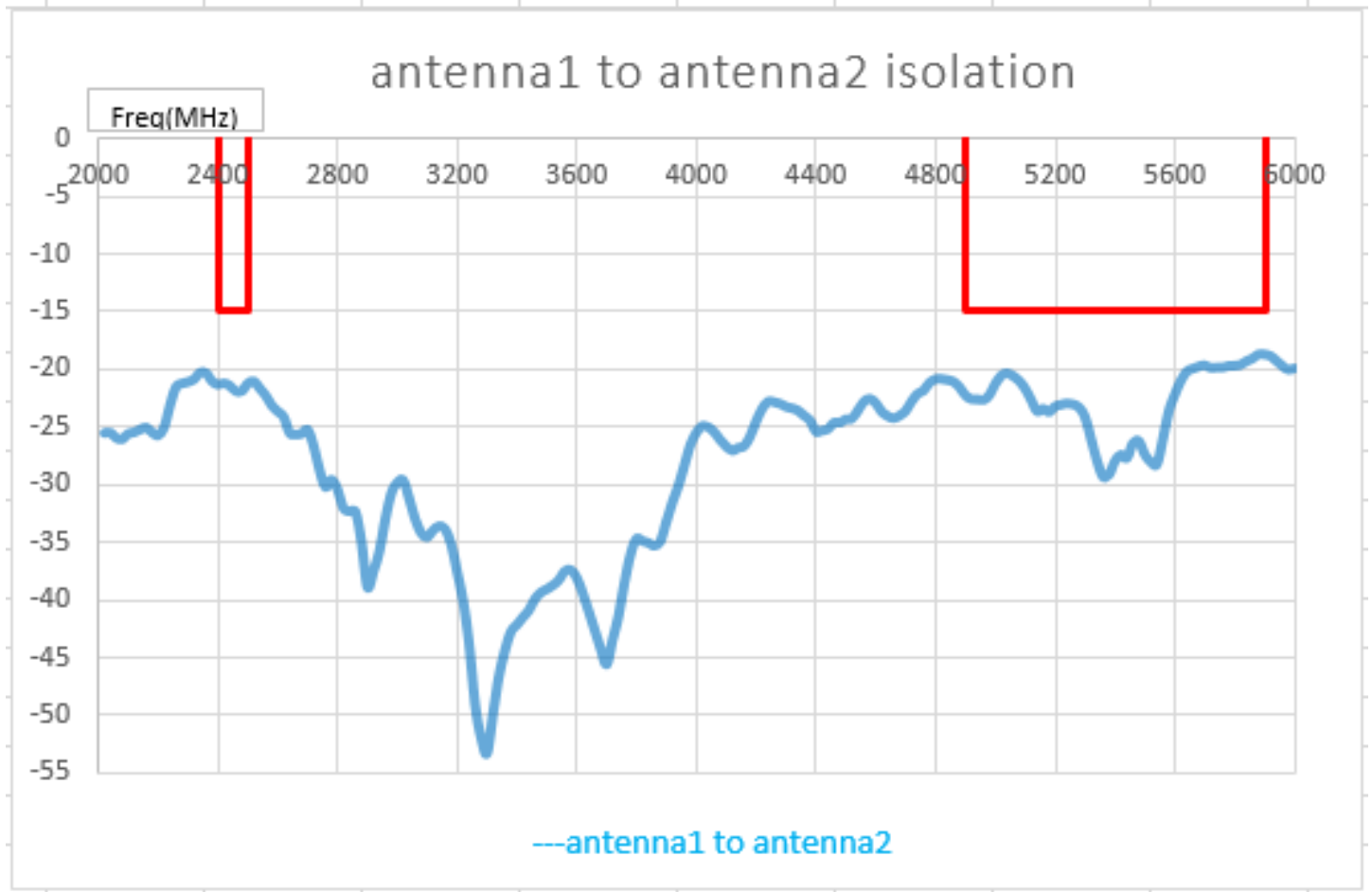
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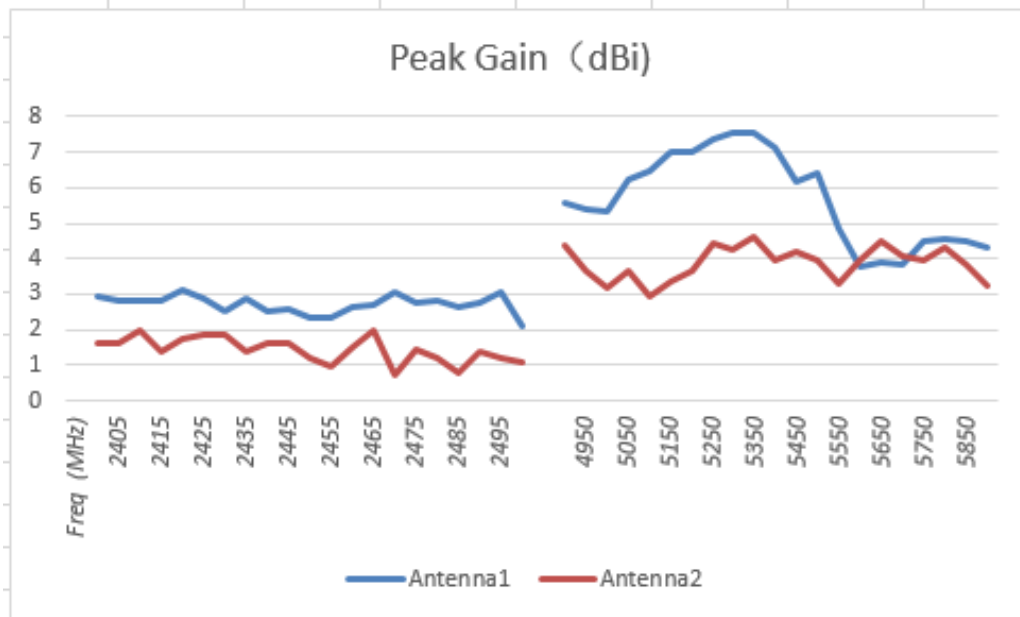
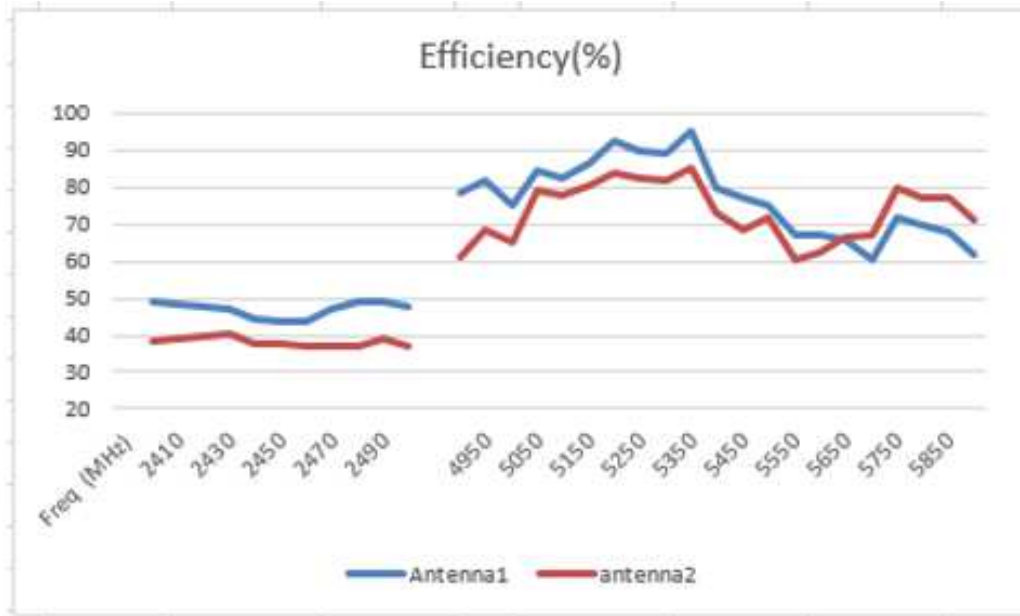
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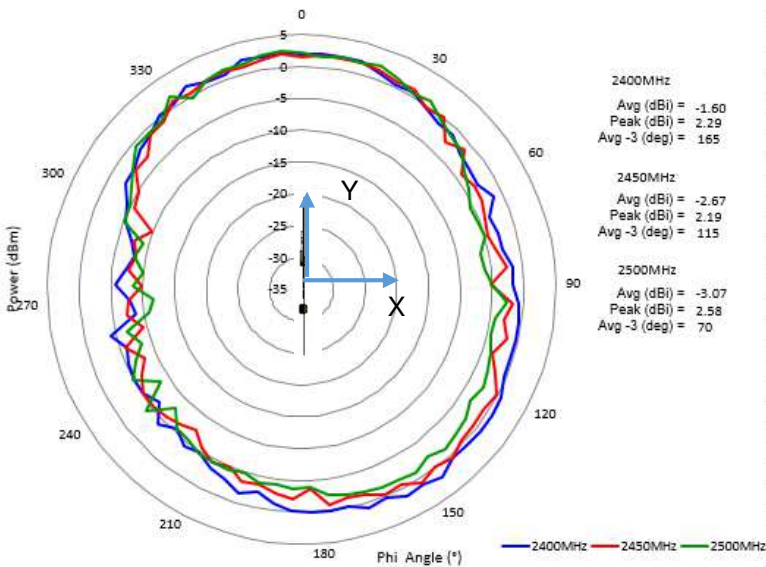
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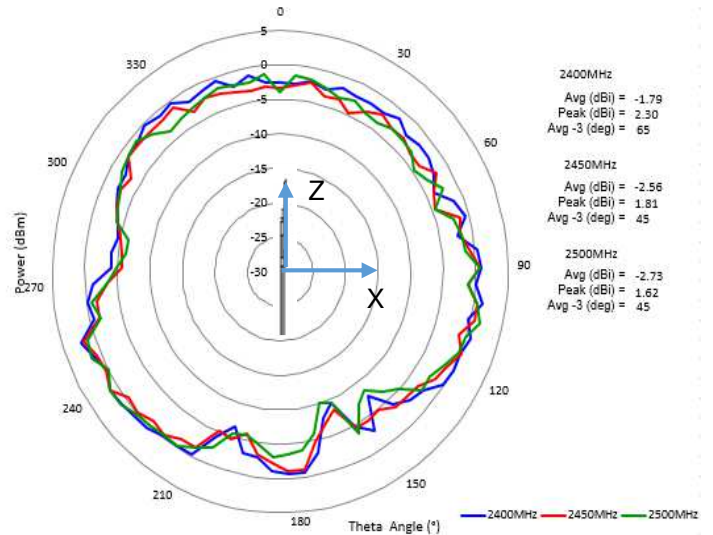
CHARTS

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

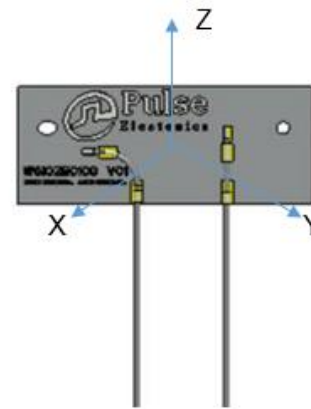
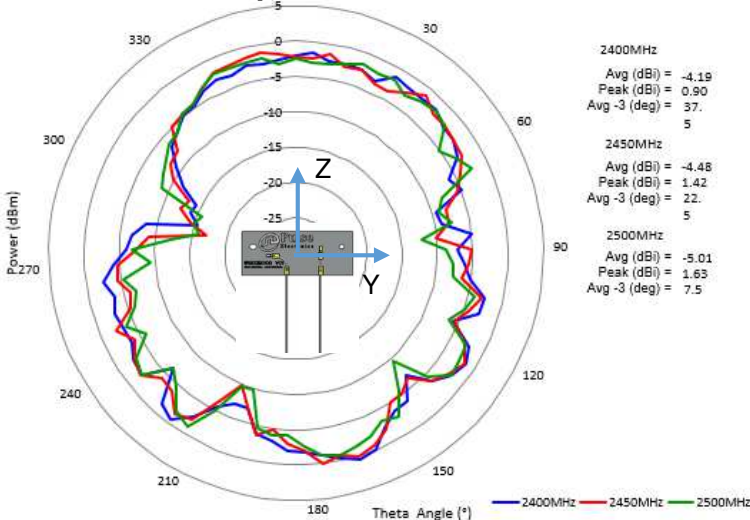
XY plane



ZX plane



YZ plane



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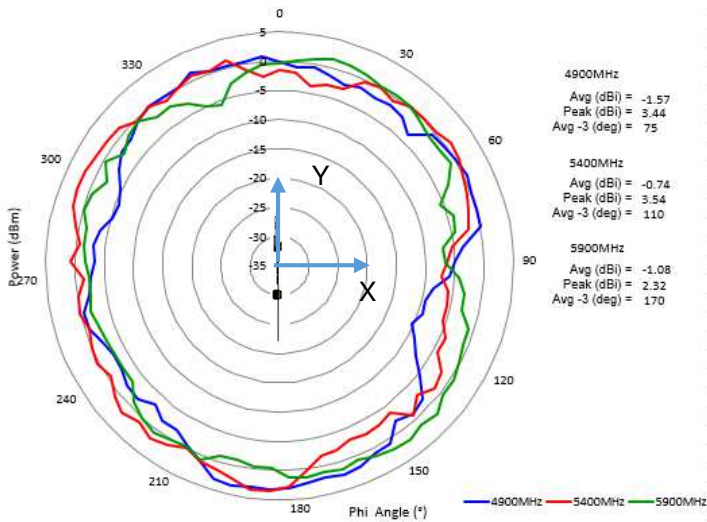
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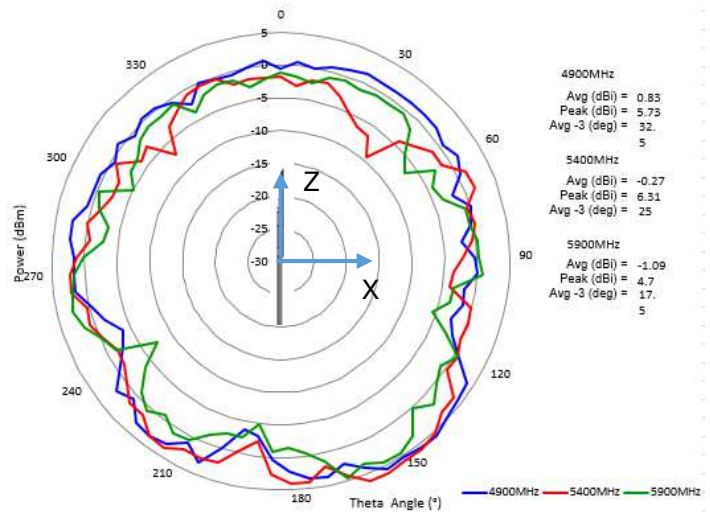
CHARTS

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

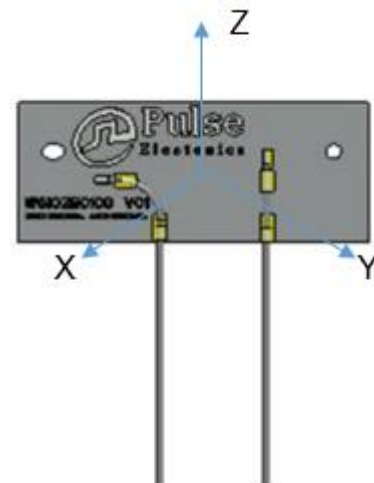
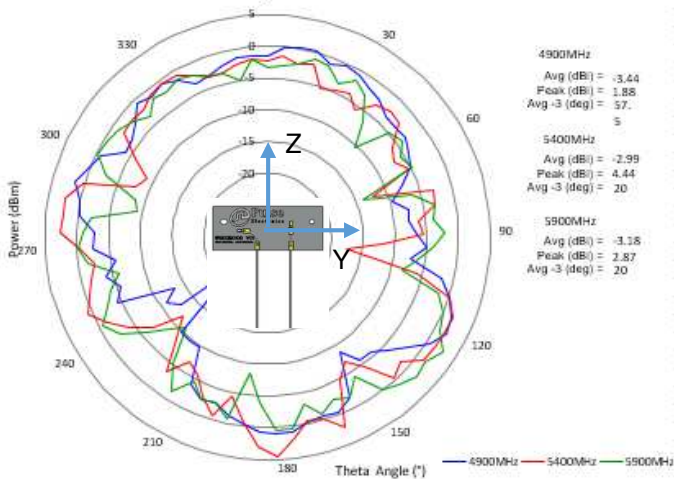
XY plane



ZX plane



YZ plane



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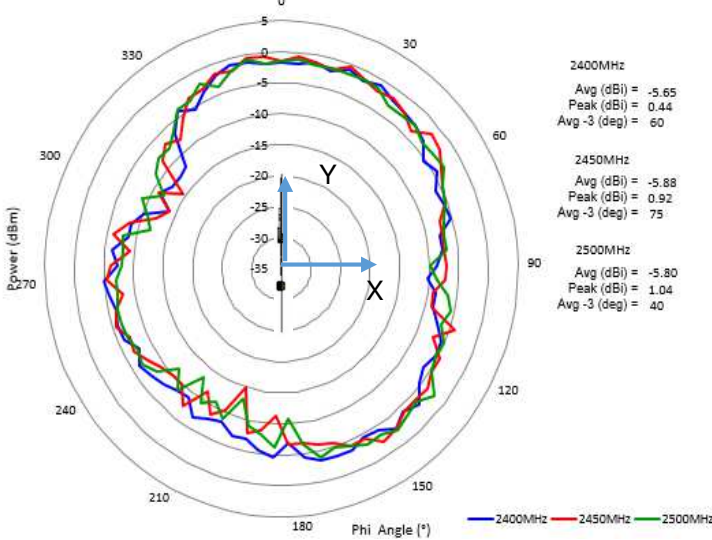
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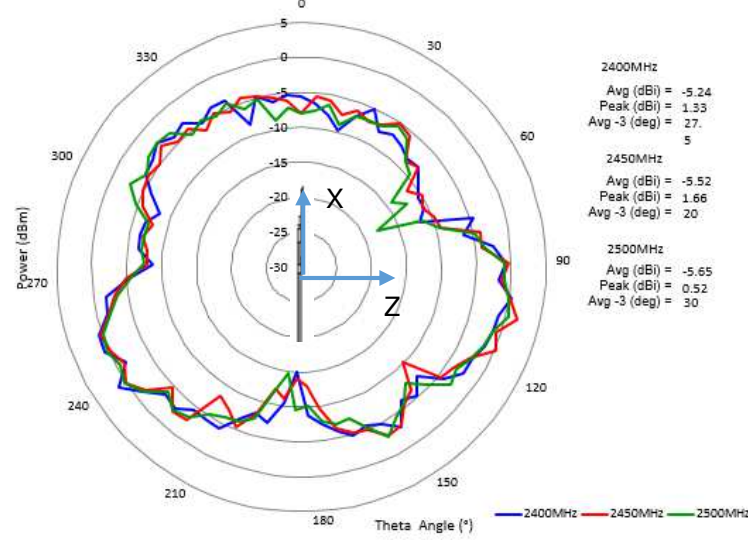
CHARTS

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

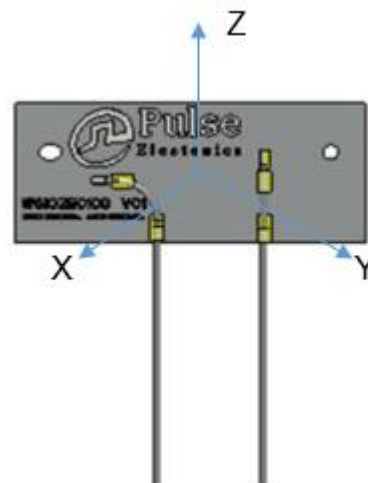
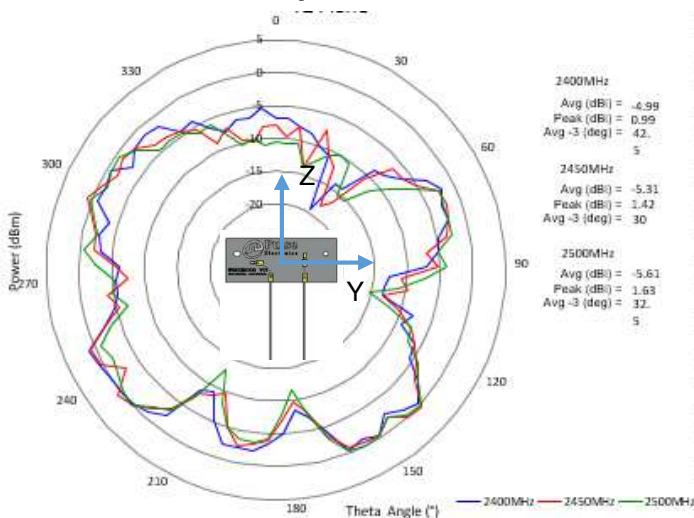
XY plane



ZX plane



YZ plane



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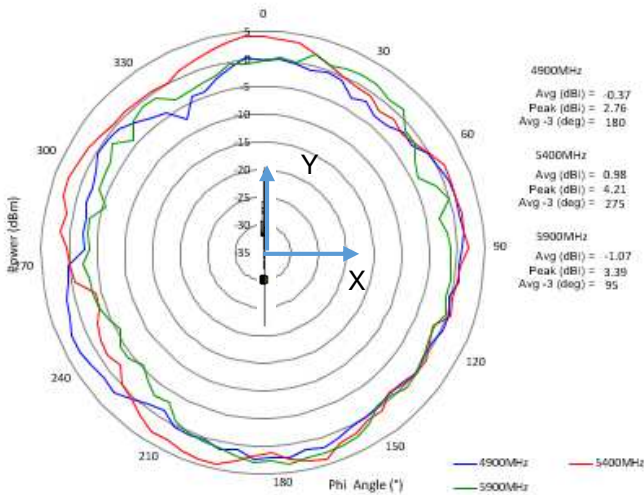
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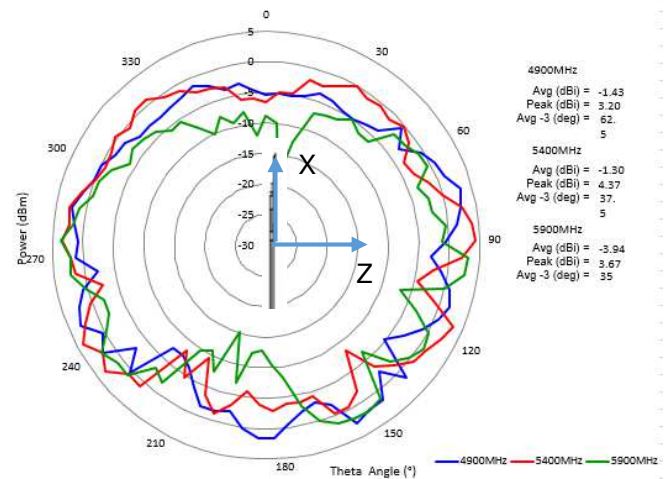
CHARTS

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

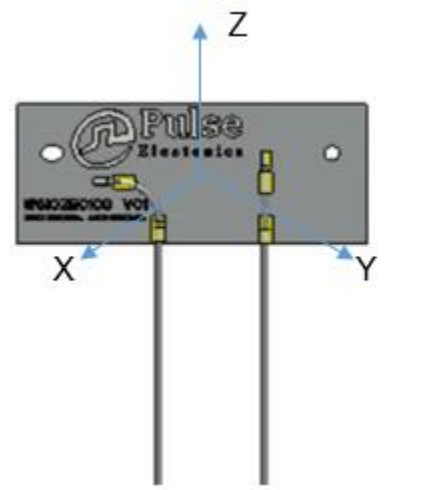
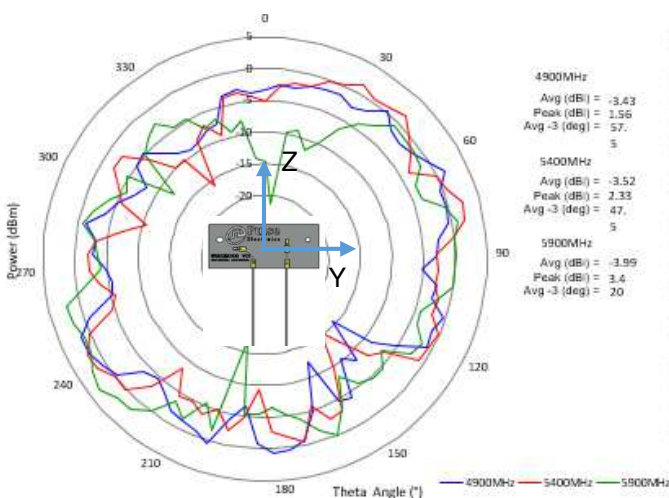
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## PACKAGING

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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