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

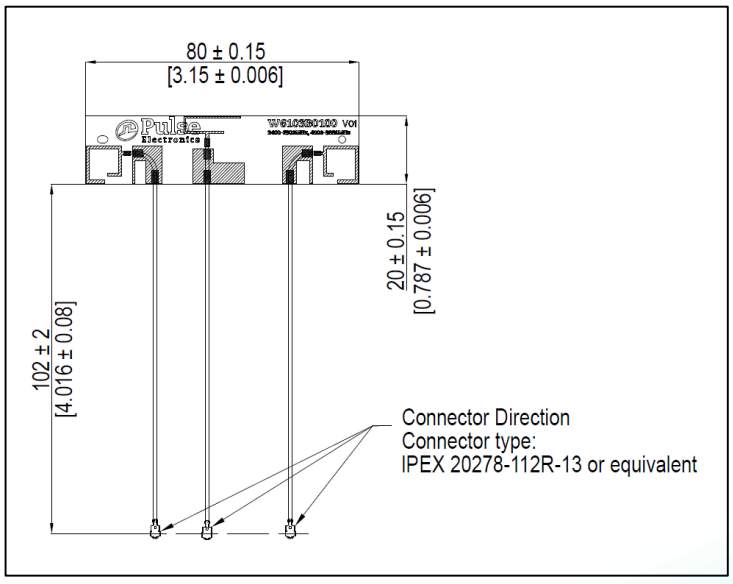
PulseLARSEN Antennas

TECHNICAL DATA SHEET

Description: 3x3 MiMo dual band WiFi/BT FPC antenna

Series: Gemini

PART NUMBER: W6103B0100



All dimensions are in mm / inches

Features:

- WiFi Bluetooth, BLE, ZigBee
- One antenna – 3 x dual band 2400-2500MHz, 4900-5900MHz
- Flexible to fit tight spaces
- High Efficiency – over 70%
- Standard and customized cable lengths and connectors

Applications:

- 802.11a/b/g/n/ac
- Challenging RF environments
- IoT – including security, video, graphics,bluetooth
- IoT - SmartGrid, Meters, Sensor Networks
- Tansportation
- Bluetooth connections
- 2x2, 3x3 MiMo WiFi devices

Issue: 1616

RoHS COMPLIANT

For more information:

Pulse Worldwide Headquarters
12220 World Trade Drive
San Diego, CA 92128
USA
Tel:1-858-674-8100

Pulse/Larsen Antennas
3611 NE 112th Ave
Vancouver, WA 98682
USA
Tel: 1-360-944-7551

Europe Headquarters
Pulse GmbH & Do, KG
Zeppelinstrasse 15
Herrenberg, Germany
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: 3x3 MiMo dual band WiFi/BT FPC antenna

Series: Gemini

PART NUMBER: W6103B0100

ELECTRICAL SPECIFICATIONS

Frequency	2.4-2.5/4.9-5.9 GHz
Nominal Impedance	50 Ω
VSWR	< 2
Max Gain frequency	4.5 +/-1 dBi
Avg Gain frequency	-2 +/-0.5dBi
Efficiency	70%
Radiation Pattern	Omni
Polarization	Linear
Power withstanding	3 W
Connector type	IPEX 20278-112R-13 or equivalent
Cable type	Low loss Φ1.13mm Coaxial Cable
Cable length	100mm

* All RF parameters measured on 2mm thick PC plate

Description: 3x3 MiMo dual band WiFi/BT FPC antenna

Series: Gemini

PART NUMBER: W6103B0100

MECHANICAL SPECIFICATIONS

Color	Black
Weight	1.8 g
Thickness of FPC with adhesive	0.15mm
Overall Length	3.15 INCHES
Fixing system	Adhesive Tape, 3M6677 PC

ENVIRONMENTAL SPECIFICATIONS

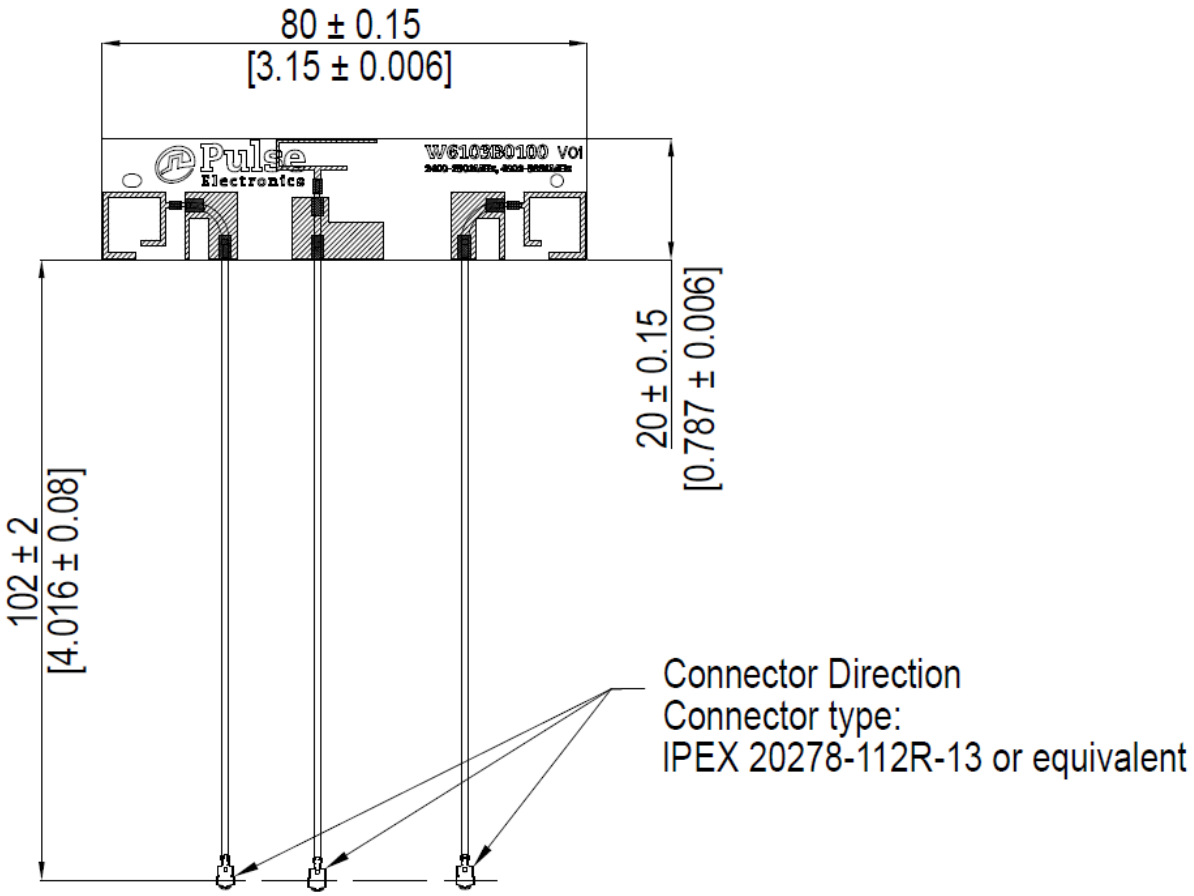
Operating temperature	-40~85° C

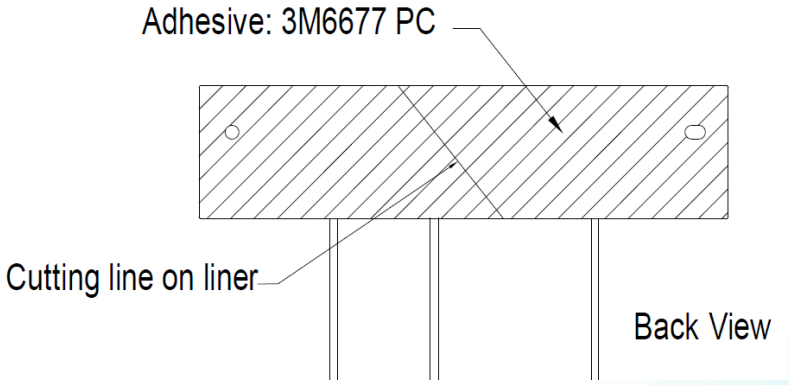
Description: 3x3 MiMo dual band WiFi/BT FPC antenna

Series: Gemini

PART NUMBER: W6103B0100

MECHANICAL DRAWING



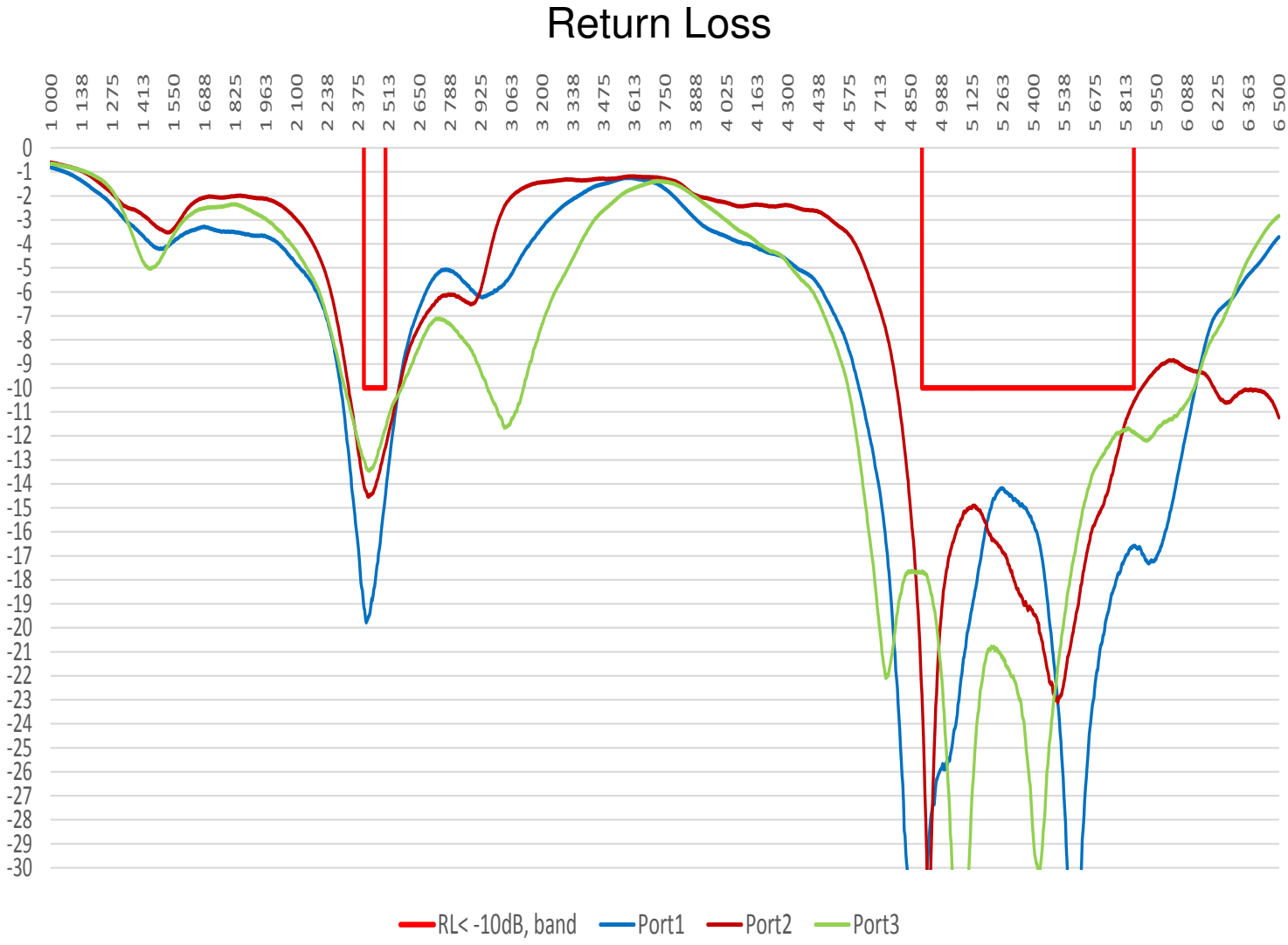


Description: 3x3 MiMo dual band WiFi/BT FPC antenna

Series: Gemini

PART NUMBER: W6103B0100

CHARTS

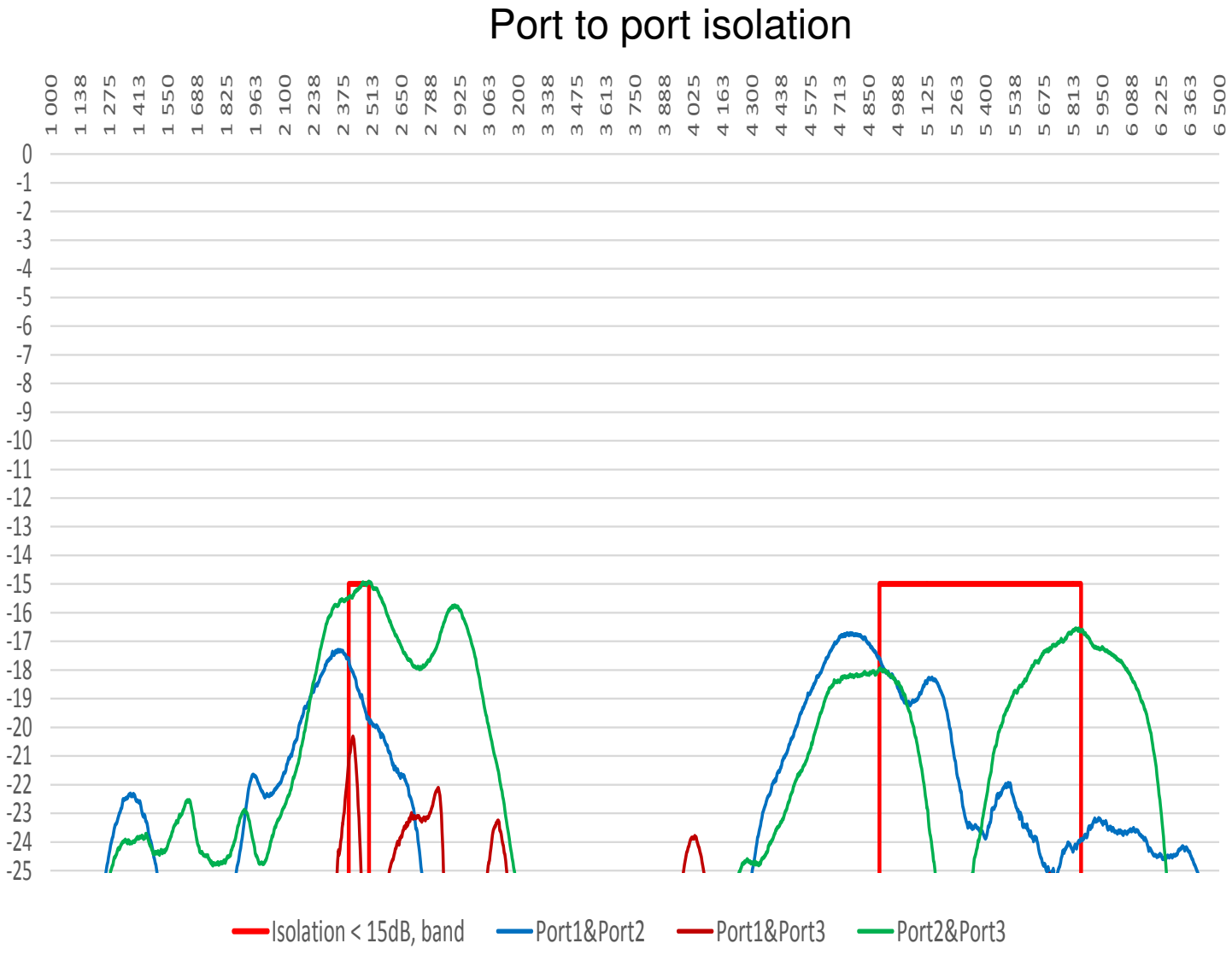


Description: 3x3 MiMo dual band WiFi/BT FPC antenna

Series: Gemini

PART NUMBER: W6103B0100

CHARTS

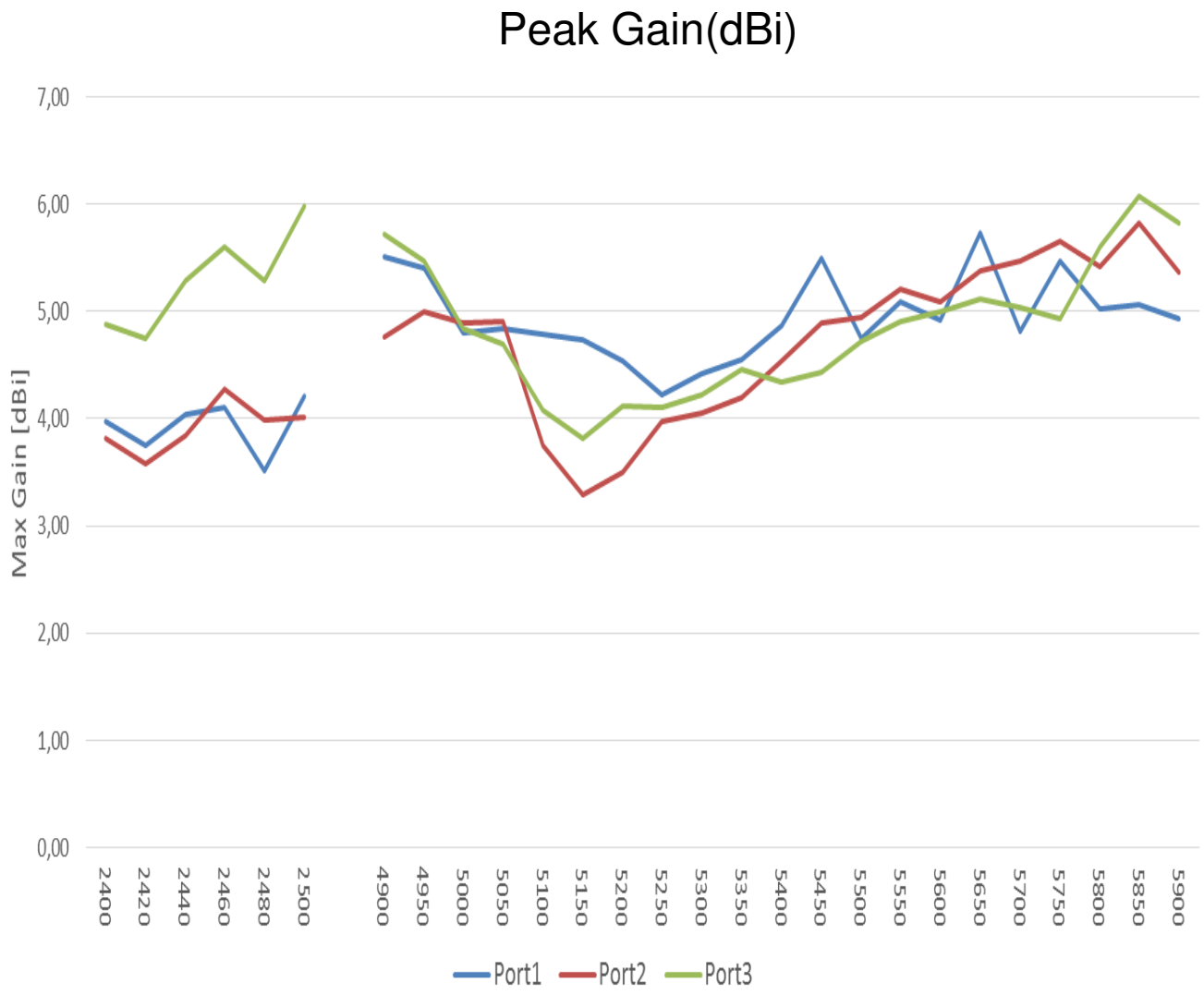


Description: 3x3 MiMo dual band WiFi/BT FPC antenna

Series: Gemini

PART NUMBER: W6103B0100

CHARTS



Description: 3x3 MiMo dual band WiFi/BT FPC antenna

Series: Gemini

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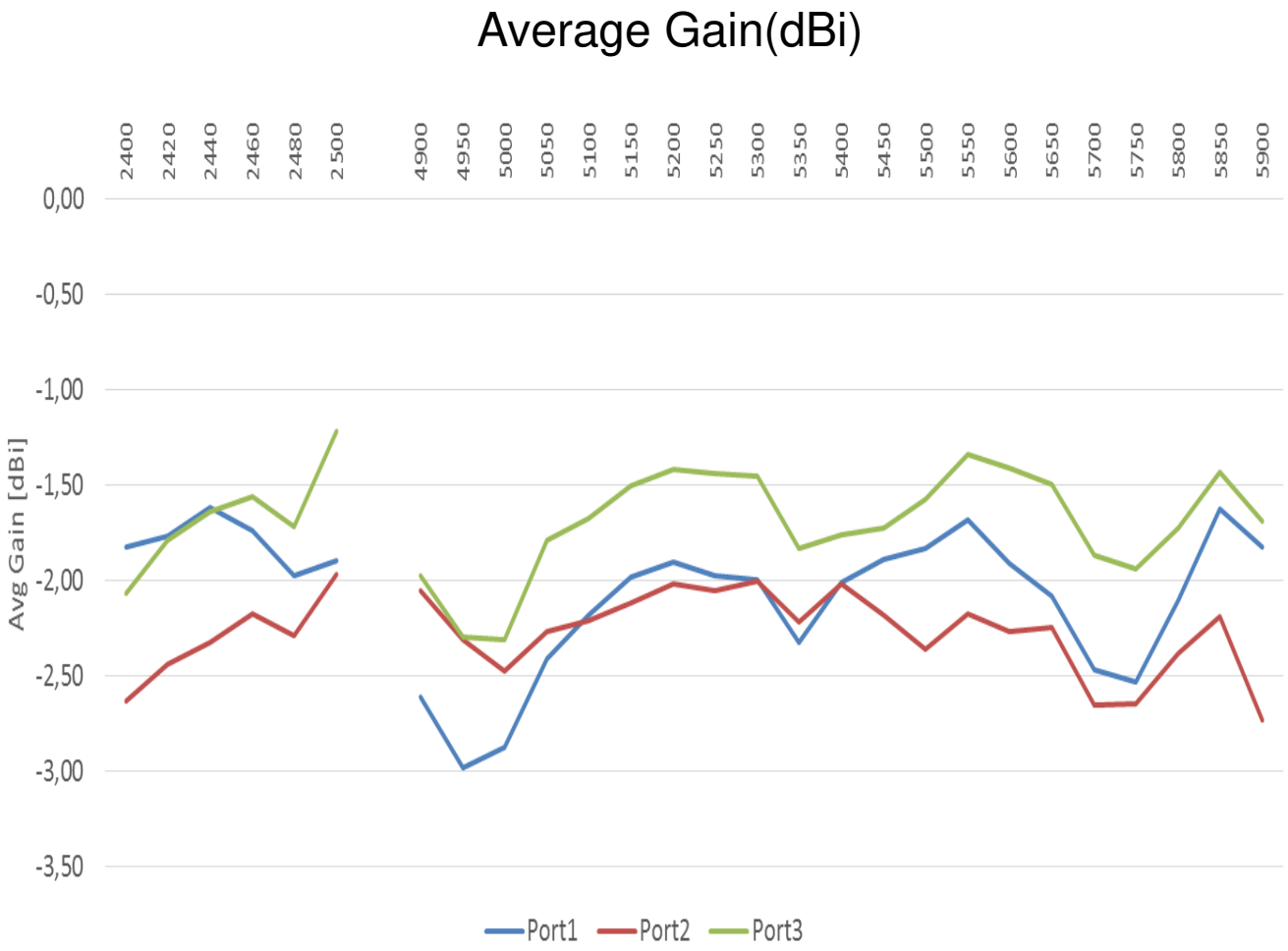
CHARTS

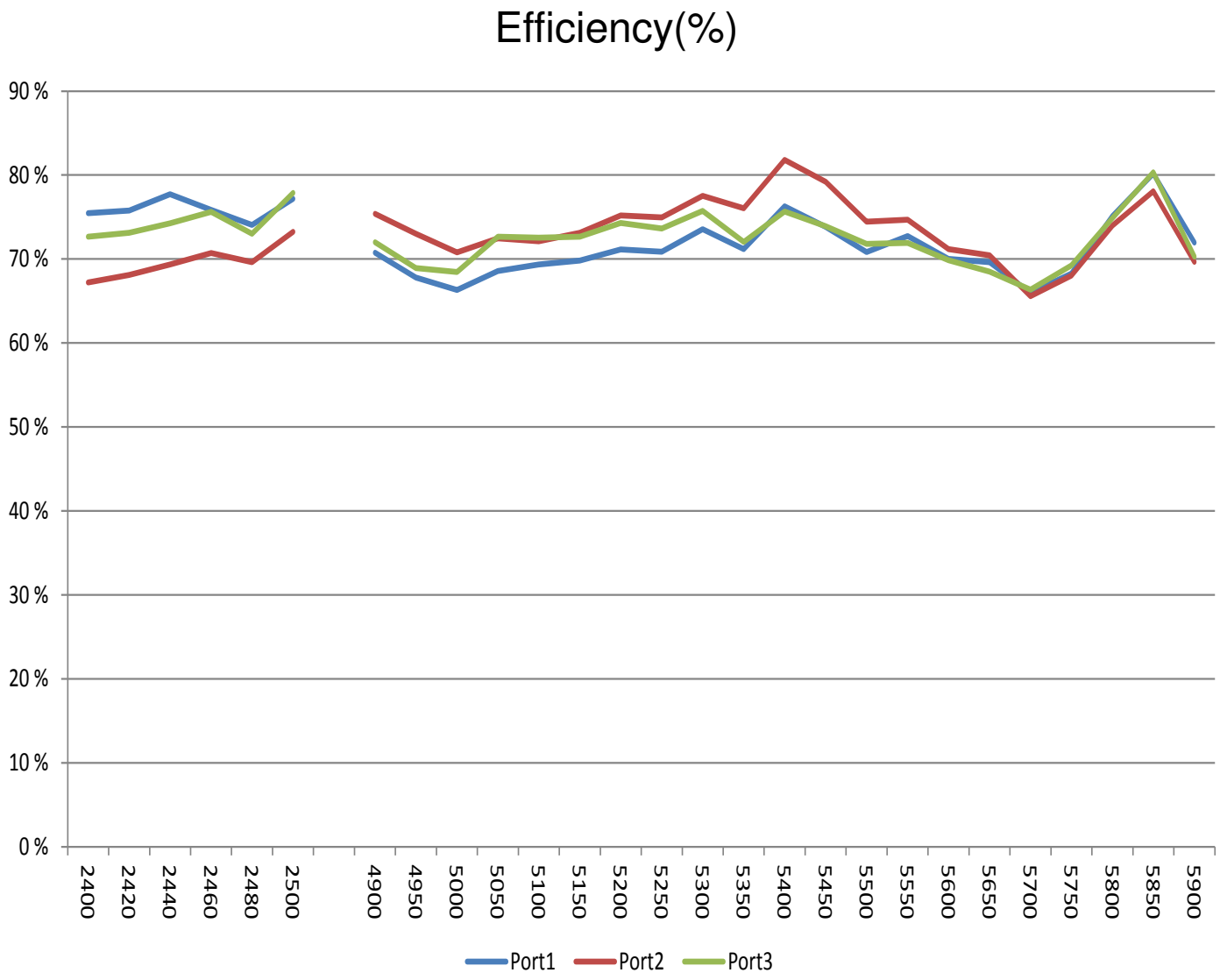


Description: 3x3 MiMo dual band WiFi/BT FPC antenna

Series: Gemini

PART NUMBER: W6103B0100

CHARTS



Description: 3x3 MiMo dual band WiFi/BT FPC antenna

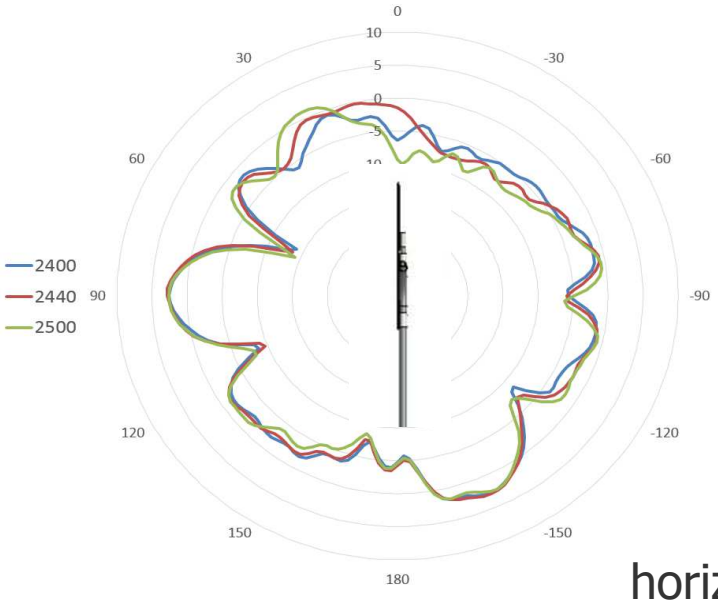
Series: Gemini

PART NUMBER: W6103B0100

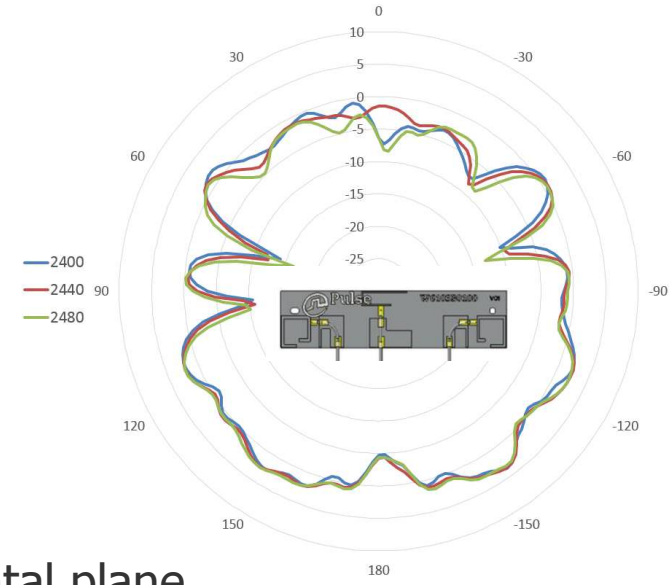
CHARTS

Typical free space radiation pattern—port1： 2.4-2.5GHz

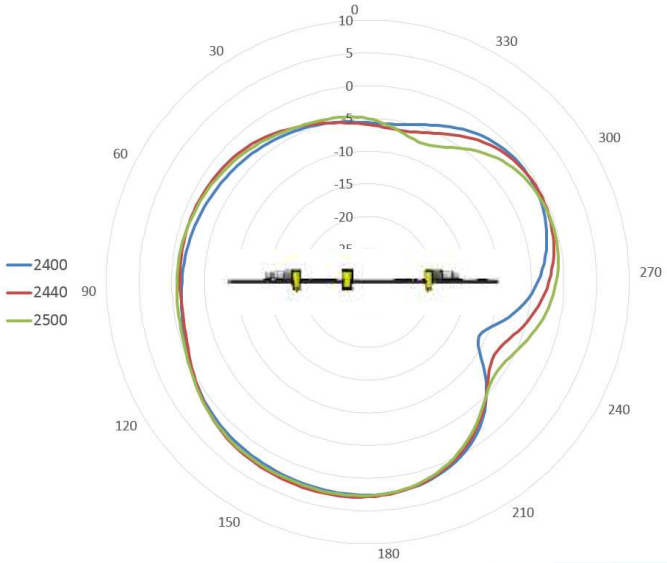
Vertical plane, Phi0



Vertical plane, Phi90



horizontal plane



Issue: 1616

RoHS COMPLIANT

Description: 3x3 MiMo dual band WiFi/BT FPC antenna

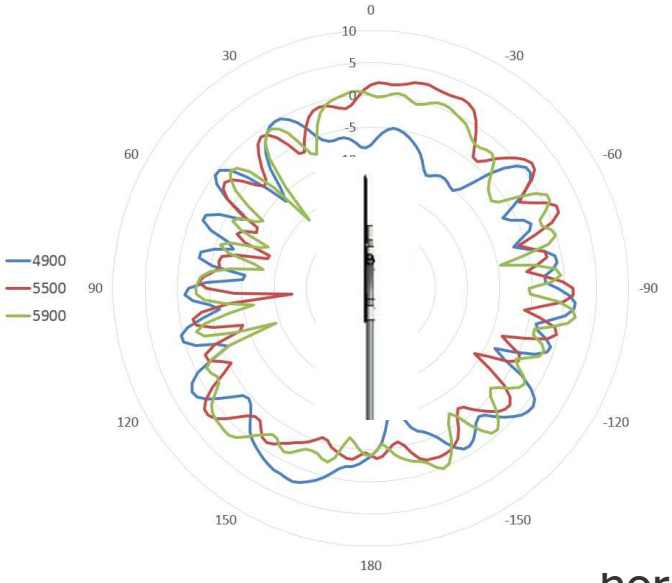
Series: Gemini

PART NUMBER: W6103B0100

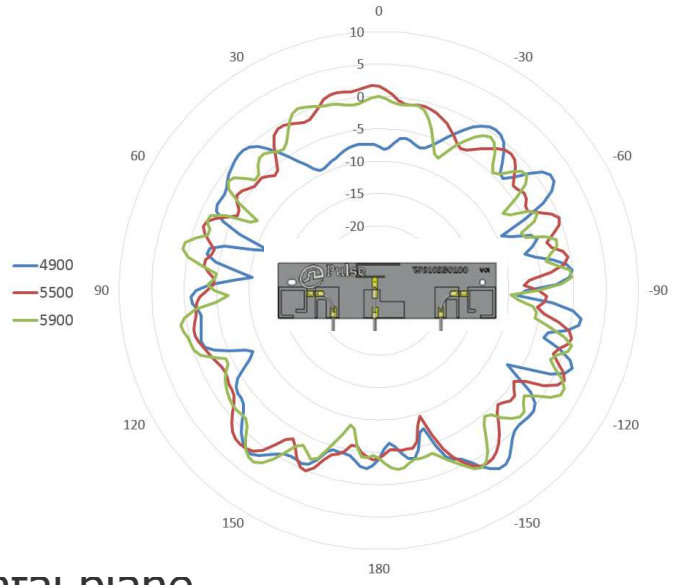
CHARTS

Typical free space radiation pattern—port1： 4.9-5.9GHz

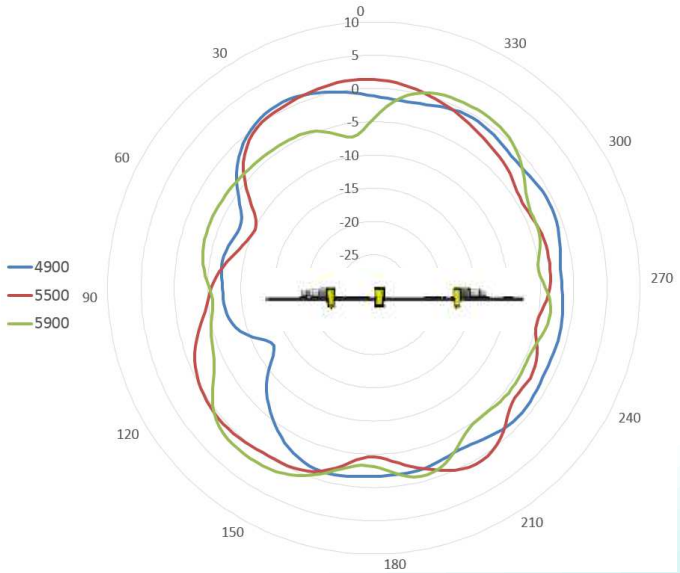
Vertical plane, Phi0



Vertical plane, Phi90



horizontal plane



Issue: 1616

RoHS COMPLIANT

Description: 3x3 MiMo dual band WiFi/BT FPC antenna

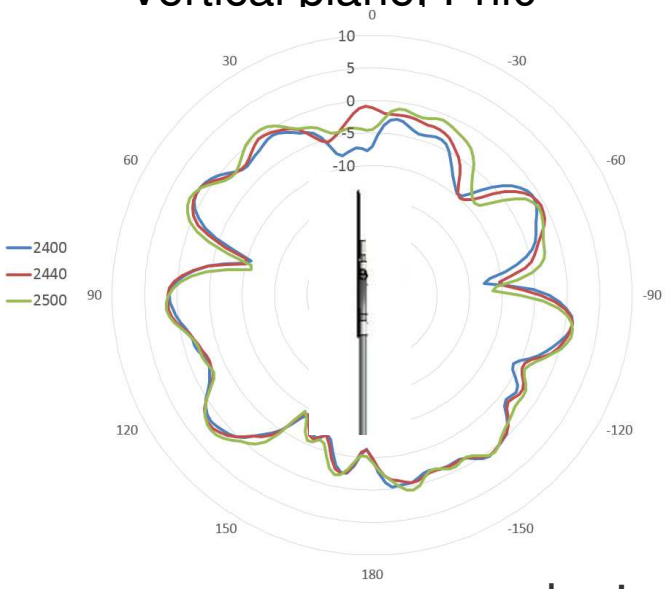
Series: Gemini

PART NUMBER: W6103B0100

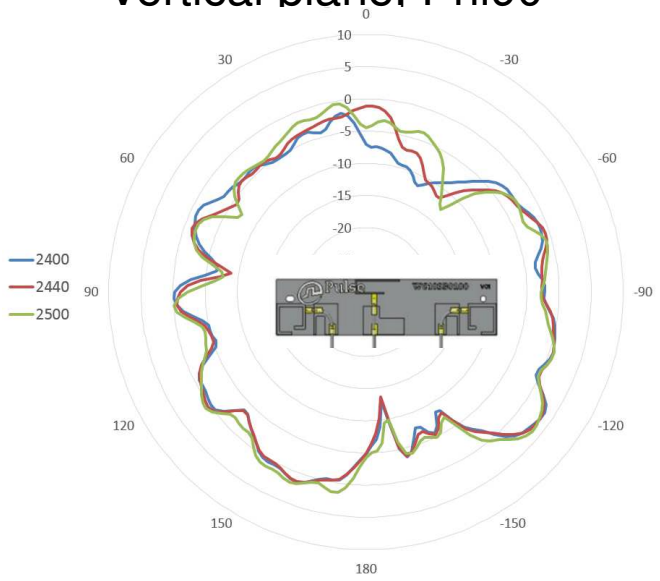
CHARTS

Typical free space radiation pattern—port2： 2.4-2.5GHz

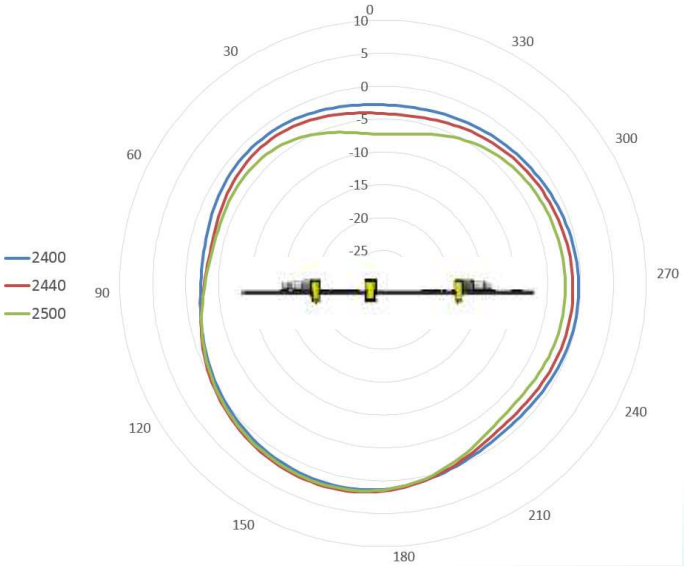
Vertical plane, Phi0



Vertical plane, Phi90



horizontal plane



Issue: 1616

RoHS COMPLIANT

Description: 3x3 MiMo dual band WiFi/BT FPC antenna

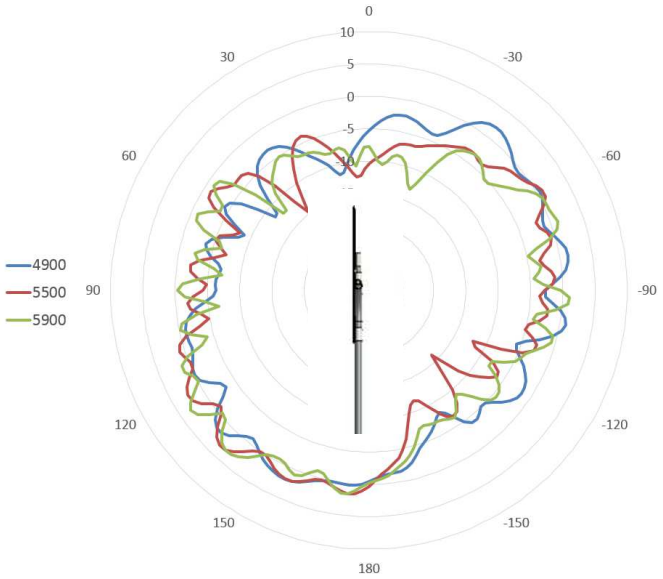
Series: Gemini

PART NUMBER: W6103B0100

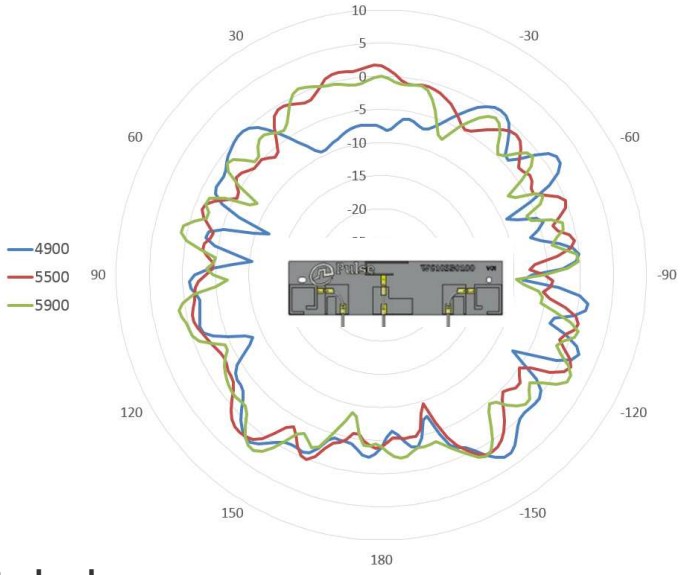
CHARTS

Typical free space radiation pattern—port2： 4.9-5.9GHz

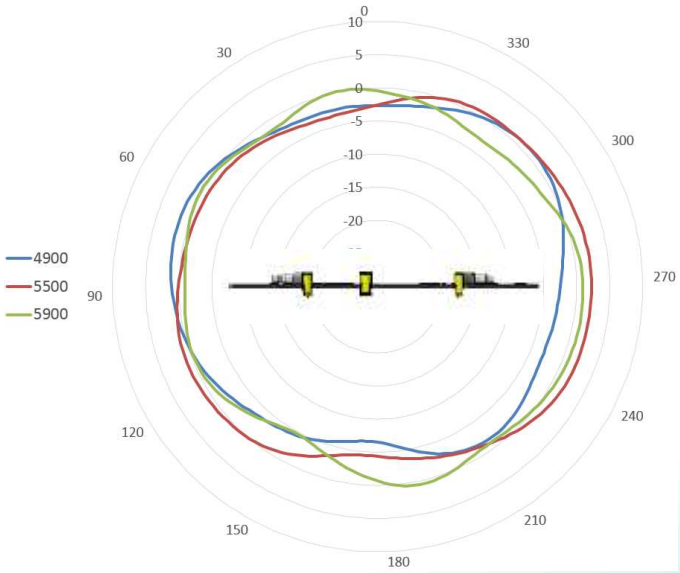
Vertical plane, Phi0



Vertical plane, Phi90



horizontal plane



Issue: 1616

RoHS COMPLIANT

Description: 3x3 MiMo dual band WiFi/BT FPC antenna

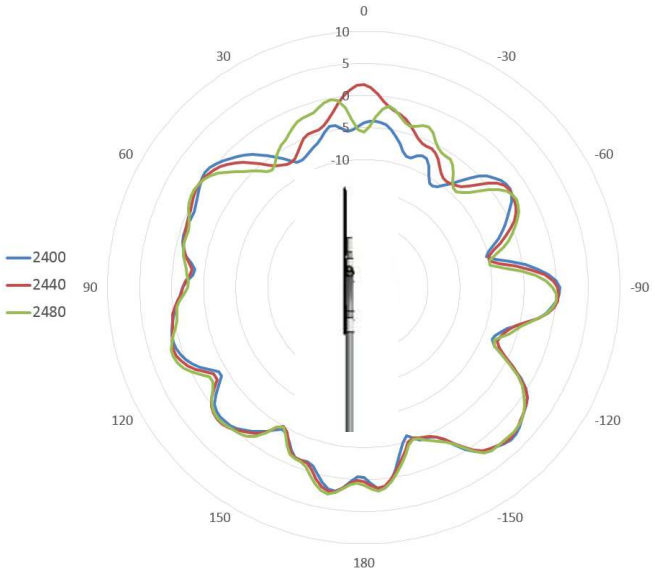
Series: Gemini

PART NUMBER: W6103B0100

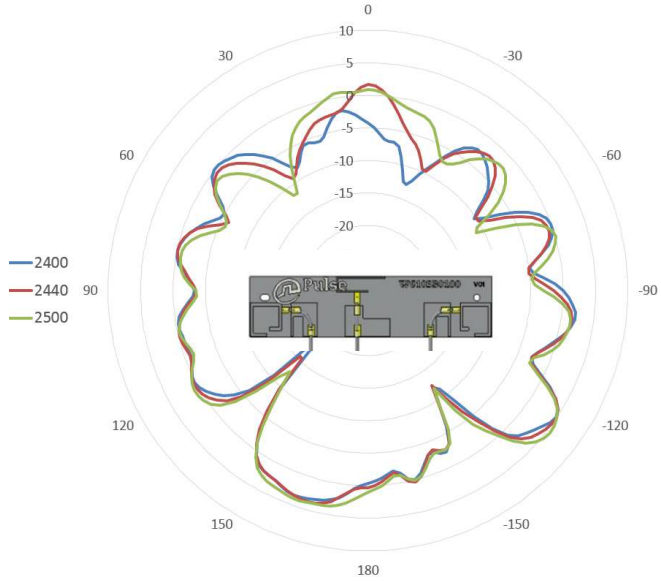
CHARTS

Typical free space radiation pattern—port3： 2.4-2.5GHz

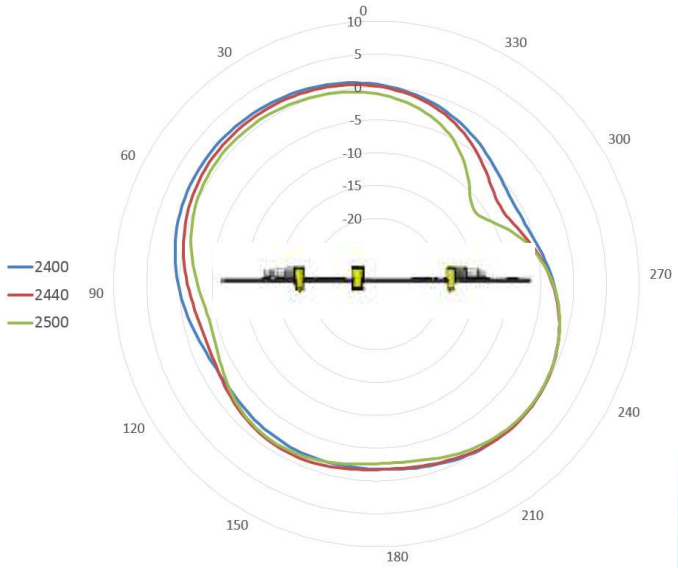
Vertical plane, Phi0



Vertical plane, Phi90



horizontal plane



Description: 3x3 MiMo dual band WiFi/BT FPC antenna

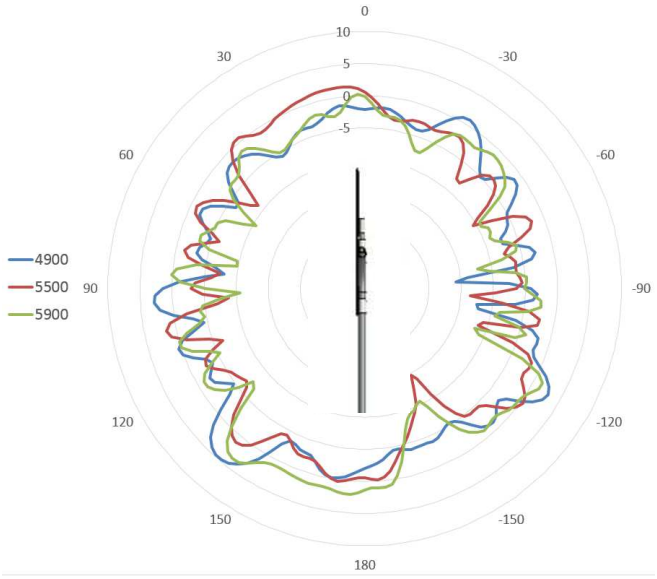
Series: Gemini

PART NUMBER: W6103B0100

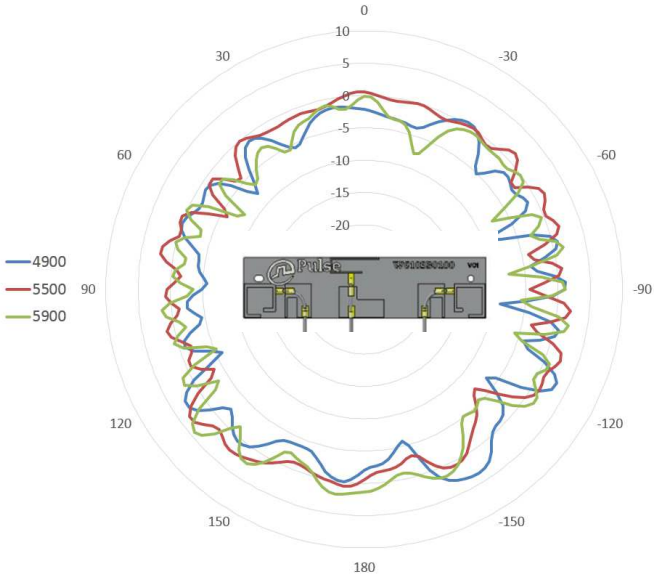
CHARTS

Typical free space radiation pattern—port3： 4.9-5.9GHz

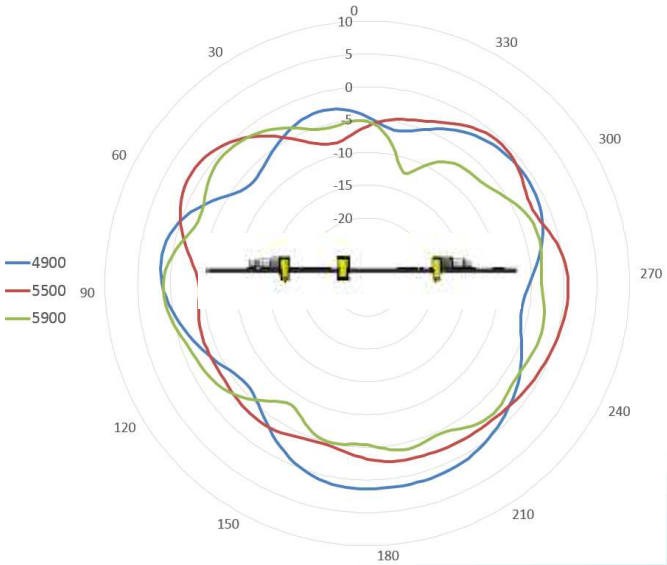
Vertical plane, Phi0



Vertical plane, Phi90



horizontal plane



Description: 3x3 MiMo dual band WiFi/BT FPC antenna

Series: Gemini

PART NUMBER: W6103B0100

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.