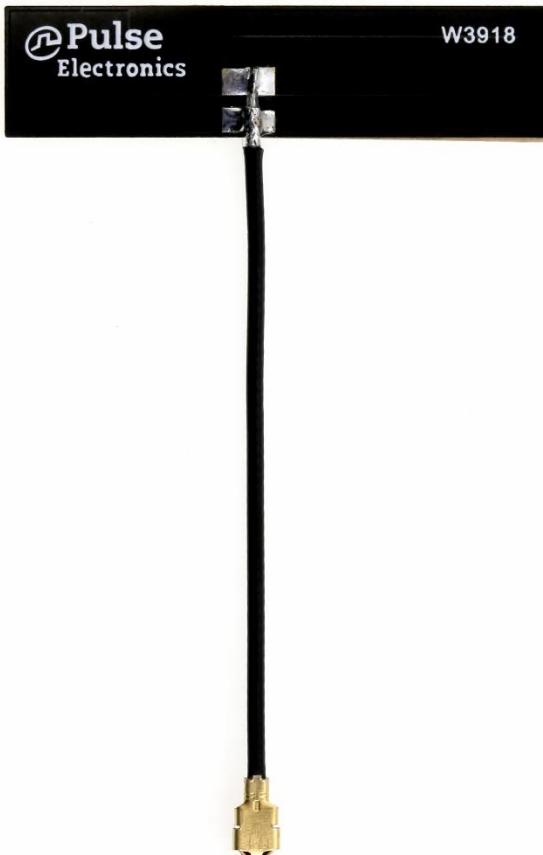


Description: 2.4/5GHz FPC antenna

Series: Internal Antenna

PART NUMBER: W3918XXXX



Features:

- 2400-2500 / 4900-5925 MHz
- Size 35.2 X 8.5 X 0.15 mm
- Efficiency > 60/70%
- VSWR < 2
- Nominal impedance 50 Ω
- Cable and connector can be customized

Applications:

- WiFi, Bluetooth, BLE, ZigBee
- DSRC
- ISM band radios
- IoT, M2M

All dimensions are in mm / inches

Issue: 1714

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For more information:

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15255 Innovation Drive #100

San Diego, CA 92128

USA

Tel:1-858-674-8100

Pulse/Larsen Antennas

 18110 SE 34th St Bldg 2 Suite 250

Vancouver, WA 98683

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: 2.4/5GHz FPC antenna

Series: Internal Antenna

PART NUMBER: W3918XXXX

This document covers all product variants of the following product family:

W3918B0050	50mm 1.13mm OD cable	U.FL compatible connector
W3918B0100	100mm 1.13mm OD cable	U.FL compatible connector
W3918T0050	50mm 1.13mm OD cable	RP-SMA MALE, straight connector

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Jiangsu Province, Suzhou 215009 PR China

Tel: 86 512 6807 9998



Description: 2.4/5GHz FPC antenna**Series: Internal Antenna****PART NUMBER: W3918XXXX****ELECTRICAL SPECIFICATIONS**

Frequency	2400-2500, 4900-5925MHz
Nominal Impedance	50Ω
VSWR	< 2
Gain	3dBi+/- 1dB @ 2.4GHz 4dBi+/-1dB @ 5GHz
Efficiency(%)	60/70%
Radiation Pattern	Omni
Polarization:	Linear
Power withstanding	2 W
Connector	Optional
Cable type	1.13mm coaxial cable black
Cable length	Optional

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

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Description: 2.4/5GHz FPC antenna

Series: Internal Antenna

PART NUMBER: W3918XXXX

MECHANICAL SPECIFICATIONS

Radiator material	FPC
Color	Black
Adhesive	3M467
Thickness(with adhesive, no liner)	0.15 mm
FPC size(L X W X T)	35.2 X 8.5 X 0.15 mm

ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-40/+85 °C
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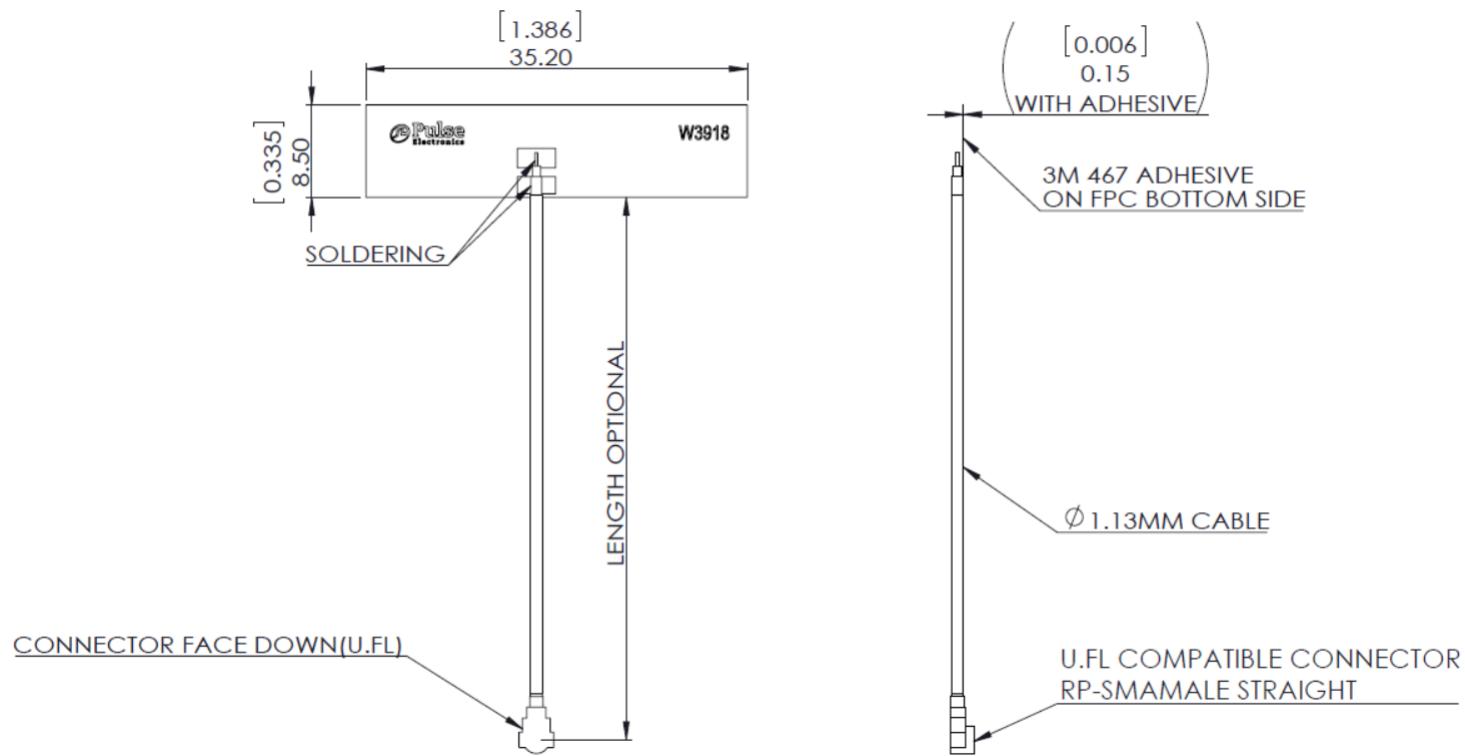


Description: 2.4/5GHz FPC antenna

Series: Internal Antenna

PART NUMBER: W3918XXXX

MECHANICAL DRAWING



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Description: 2.4/5GHz FPC antenna

Series: Internal Antenna

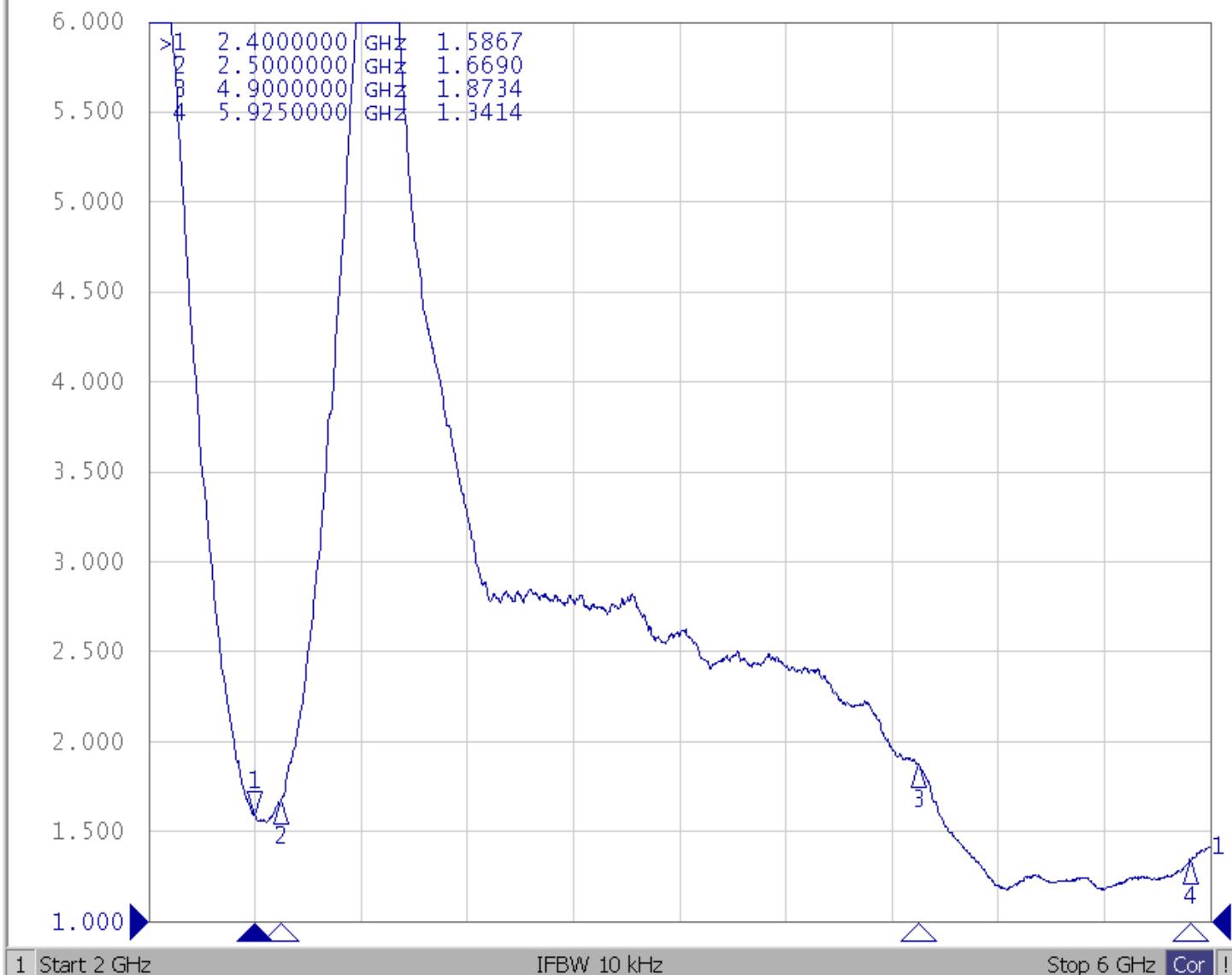
PART NUMBER: W3918XXXX

CHARTS

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

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

► Tr1 S11 SWR 500.0m/ Ref 1.000 [F2]



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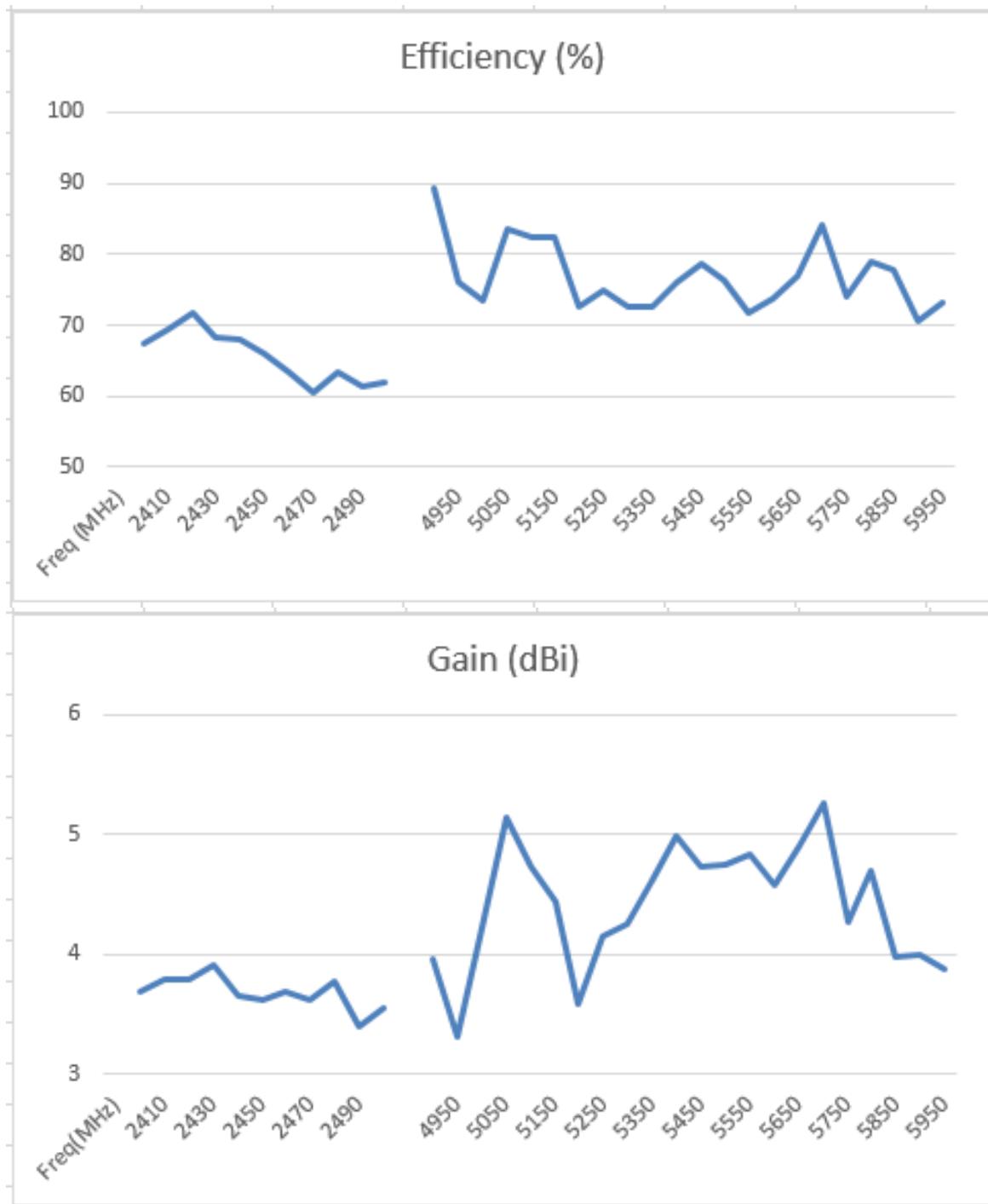
Description: 2.4/5GHz FPC antenna

Series: Internal Antenna

PART NUMBER: W3918XXXX

CHARTS

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



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Series: Internal Antenna

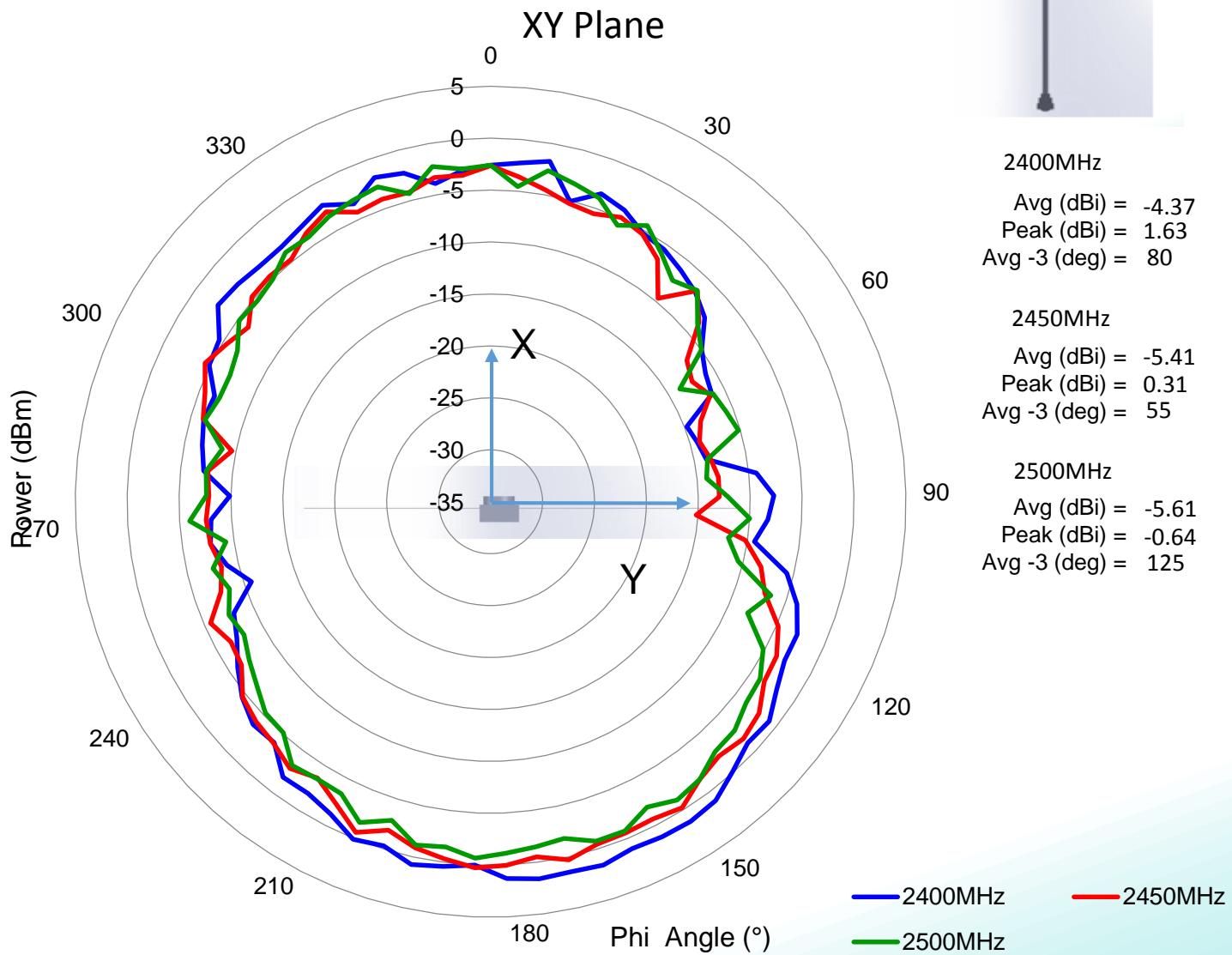
PART NUMBER: W3918XXXX

CHARTS

Typical free space radiation pattern

WIFI2.4GHz

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



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Description: 2.4/5GHz FPC antenna

Series: Internal Antenna

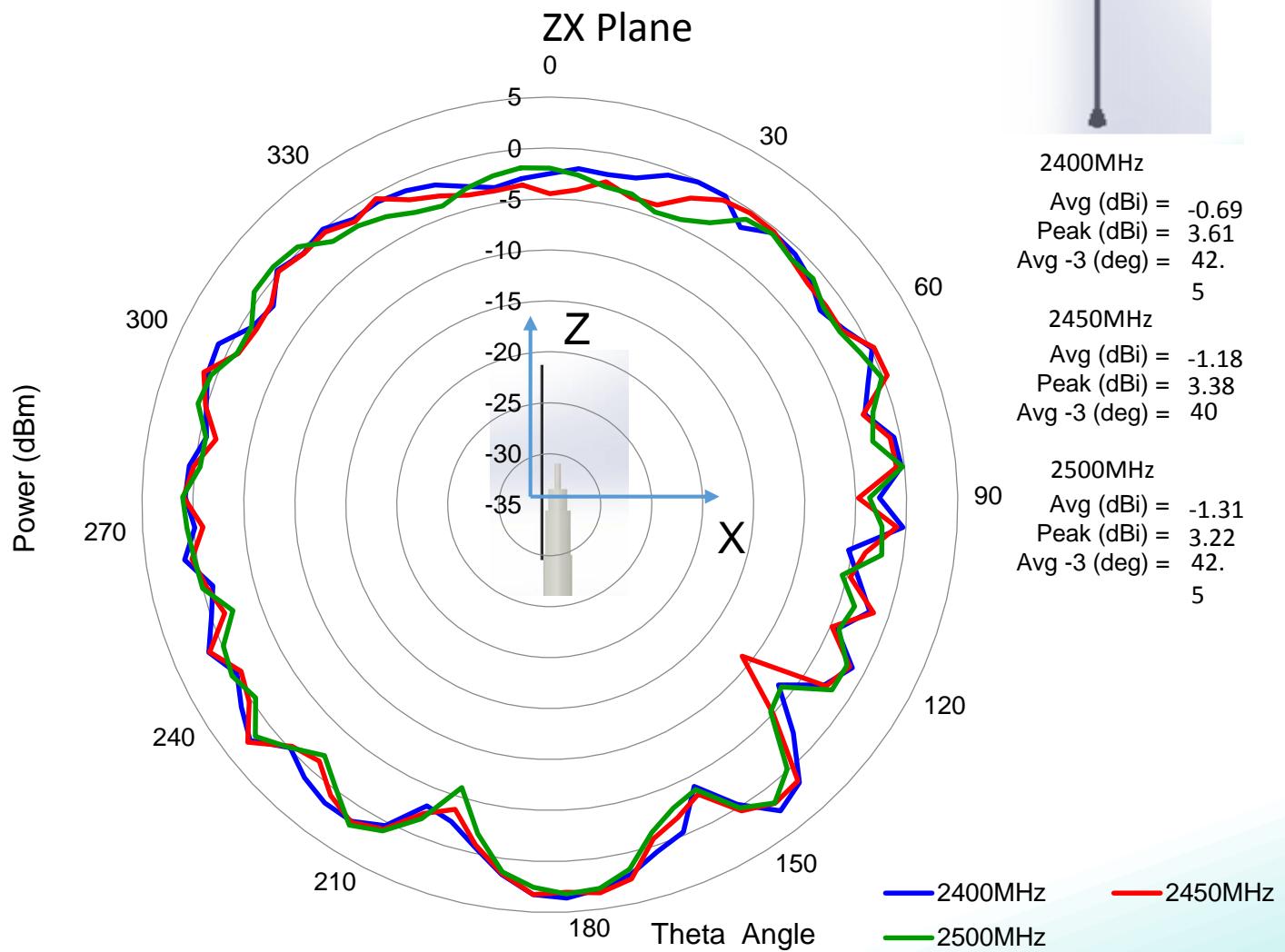
PART NUMBER: W3918XXXX

CHARTS

Typical free space radiation pattern

WIFI2.4GHz

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



Issue: 1714

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Description: 2.4/5GHz FPC antenna

Series: Internal Antenna

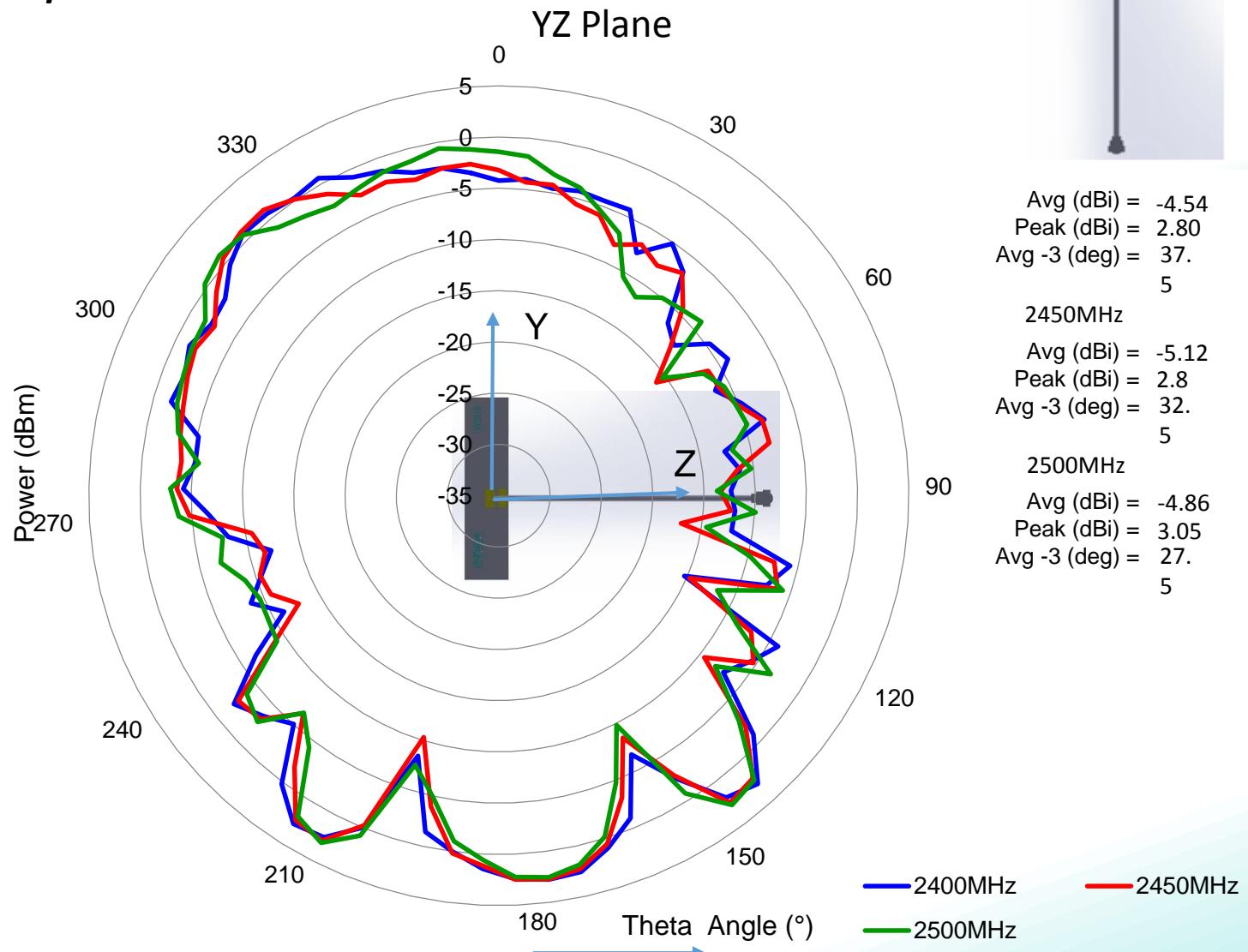
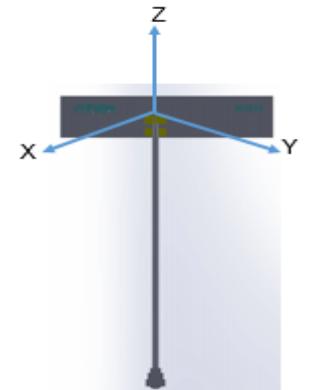
PART NUMBER: W3918XXXX

CHARTS

Typical free space radiation pattern

WIFI2.4GHz

(*) All RF parameters measured on 2mm thick
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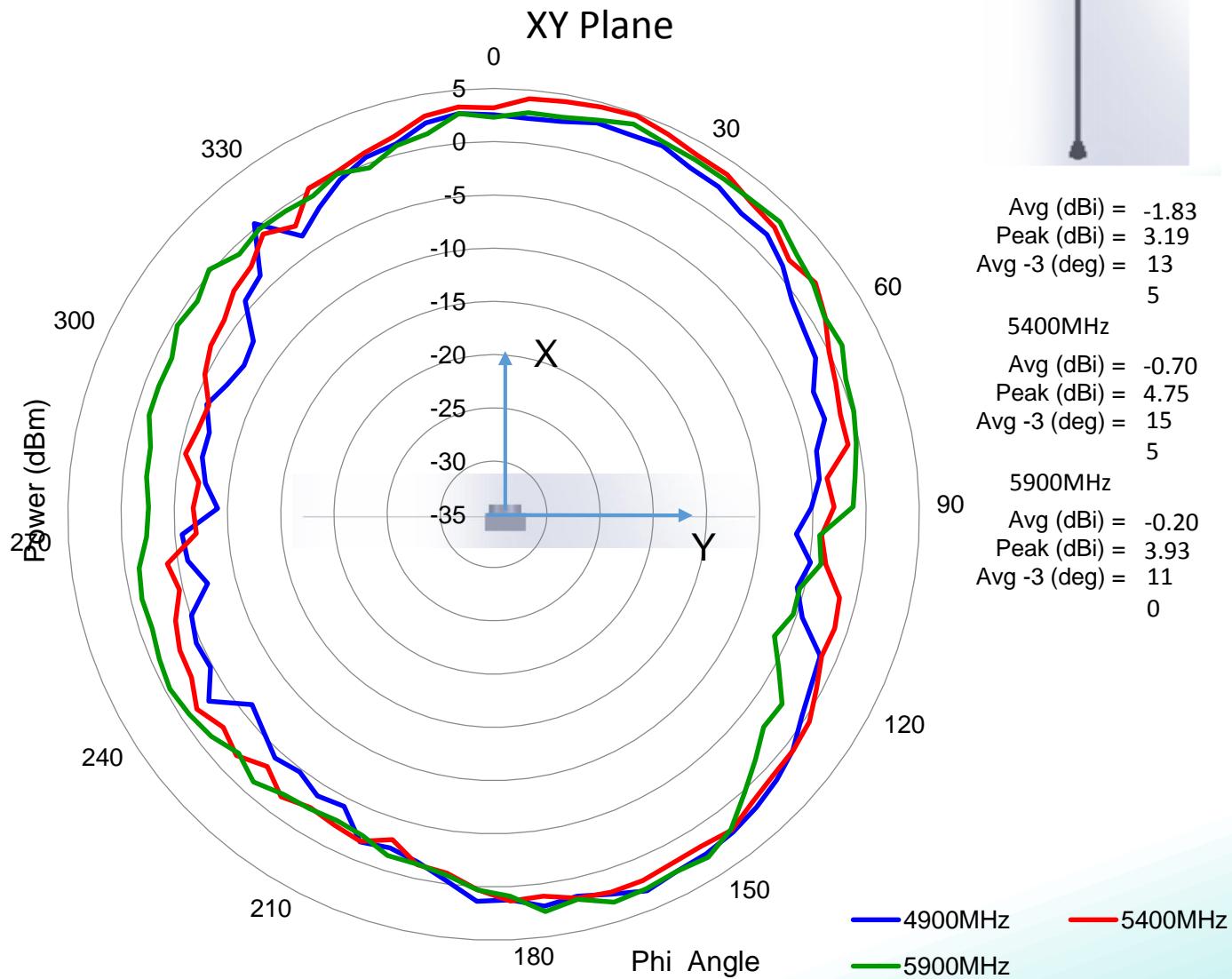
PART NUMBER: W3918XXXX

CHARTS

Typical free space radiation pattern

WIFI 5GHz

**(*) All RF parameters measured on 2mm thick
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Series: Internal Antenna

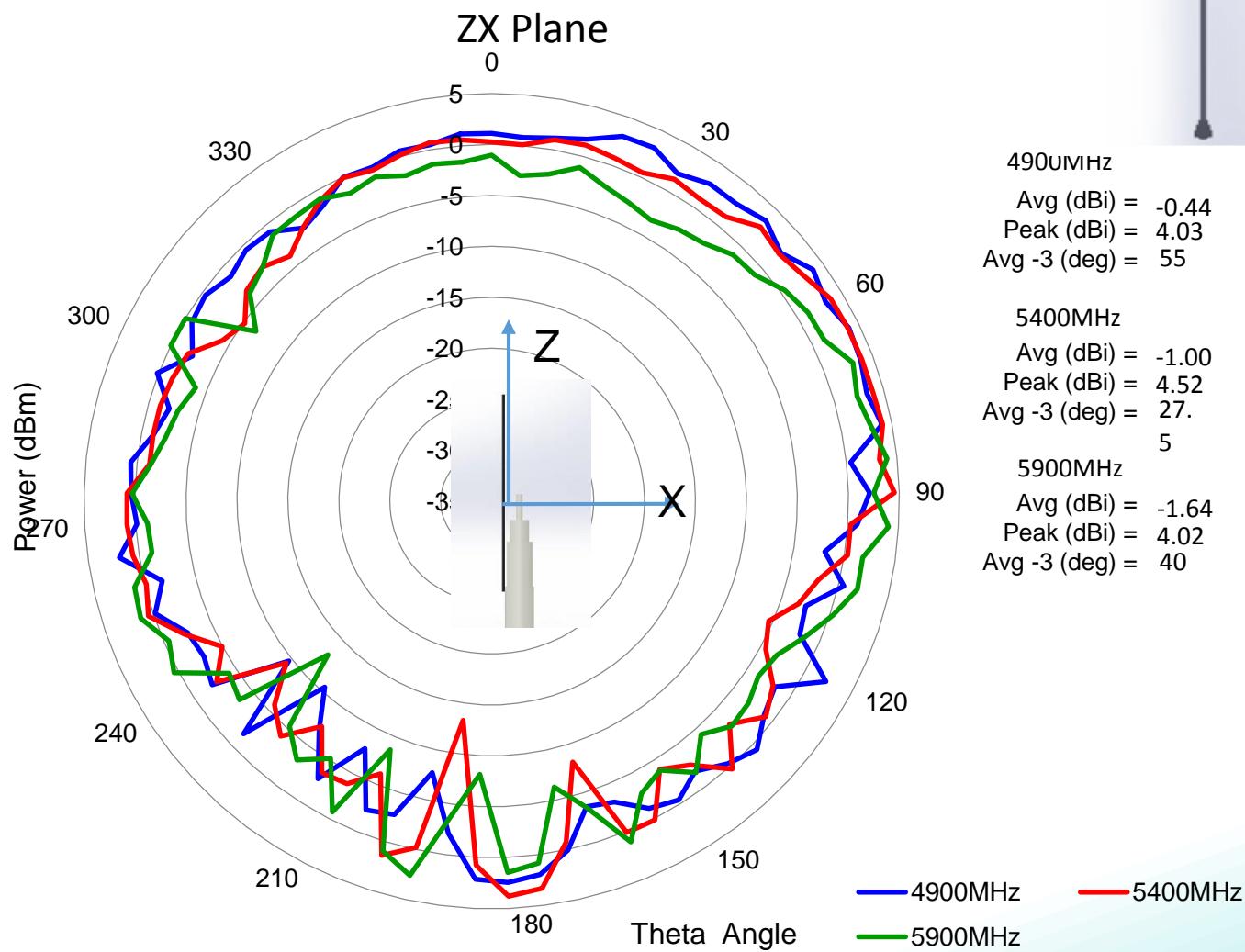
PART NUMBER: W3918XXXX

CHARTS

Typical free space radiation pattern

WIFI 5GHz

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



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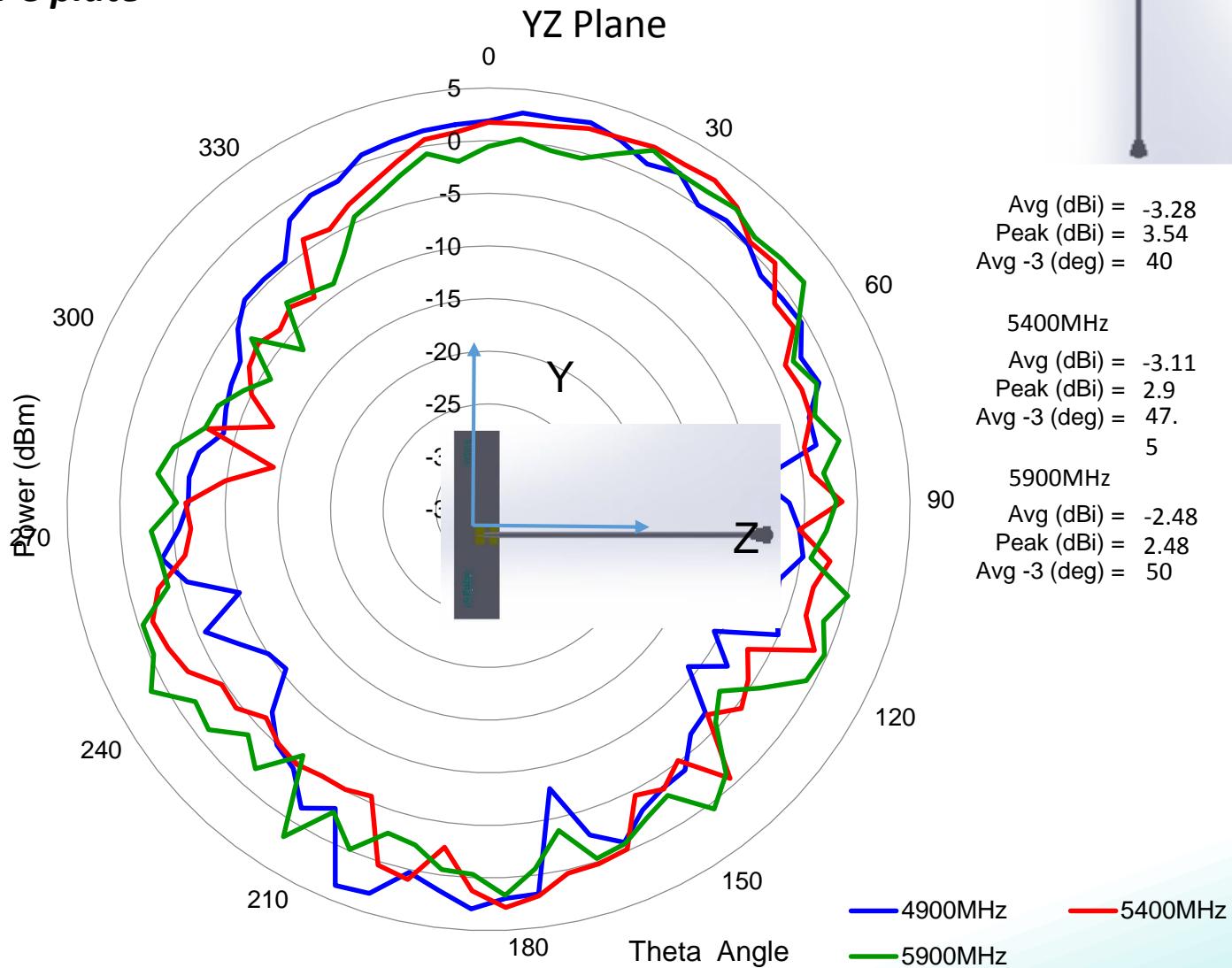
PART NUMBER: W3918XXXX

CHARTS

Typical free space radiation pattern

WIFI 5GHz

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



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Description: 2.4/5GHz FPC antenna**Series: Internal Antenna****PART NUMBER: W3918XXXX****PACKAGING**

10PCS/PE bag

10 PE bag/foam bag

50 foam bag/ carton box

Total 5000PCS/Carton box

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