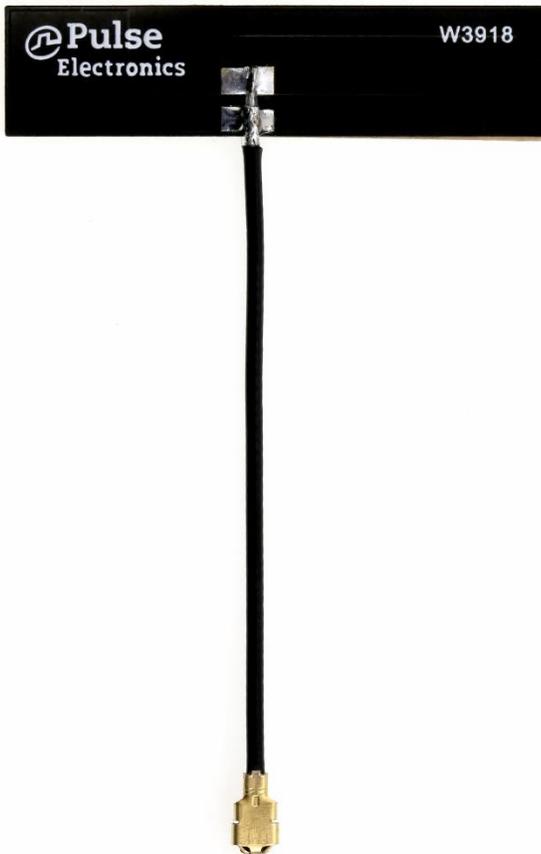


Description: 2.4/4.9-7.125GHz FPC antenna**Series: Internal Antenna****PART NUMBER: W3918BXXX****Features:**

- 2400-2500 / 4900-7125 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 6E, 802.11ax
- Bluetooth, BLE, ZigBee
- DSRC
- ISM band radios
- IoT, M2M

All dimensions are in mm / inches

Issue: 2324

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For more information:

Pulse Worldwide Headquarters
12220 World Trade Drive
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: 2.4/4.9-7.125GHz FPC antenna

Series: Internal Antenna

PART NUMBER: W3918BXXX

ELECTRICAL SPECIFICATIONS

Antenna Type	PIFA
Frequency	2400-2500MHz 4900-7125MHz
Nominal Impedance	50 Ω
Return Loss	2400-2500MHz < -10db 4900-7125MHz < -6db
Radiation Pattern	Omni
Peak Gain	2.5+/-1dBi@2400-2500MHz 3.5+/-1dBi@4900-7125MHz
Efficiency	65%@2400-2500MHz 65%@4900-7125MHz
Polarization	Linear
Power Withstanding	5W

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

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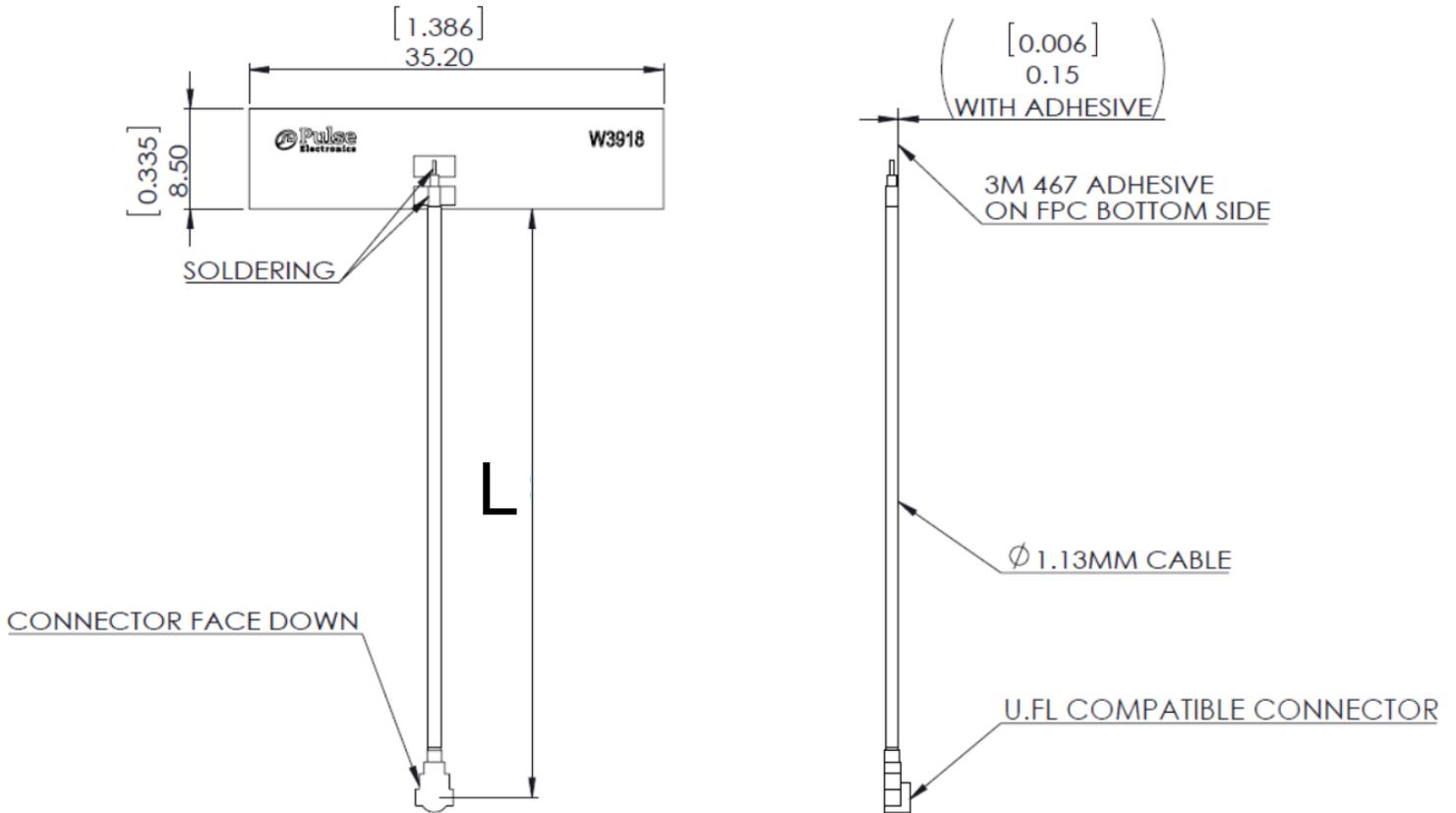
Description: 2.4/4.9-7.125GHz FPC antenna**Series: Internal Antenna****PART NUMBER: W3918BXXX****MECHANICAL SPECIFICATIONS**

Radiator material	FPC
Color	Black
Adhesive	3M467
Thickness(with adhesive, no liner)	0.15mm
Weight	0.32g
FPC size(L X W X T)	35.2 X 8.5 X 0.15mm

ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-40/+85 ° C
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MECHANICAL DRAWING



PN	L=CABLE LENGTH(MM)
W3918B0050	50
W3918B065	65
W3918B075	75
W3918B0100	100
W3918B120	120
W3918B140	140

Description: 2.4/4.9-7.125GHz FPC antenna

Series: Internal Antenna

PART NUMBER: W3918BXXX

CHARTS

Test Setup



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

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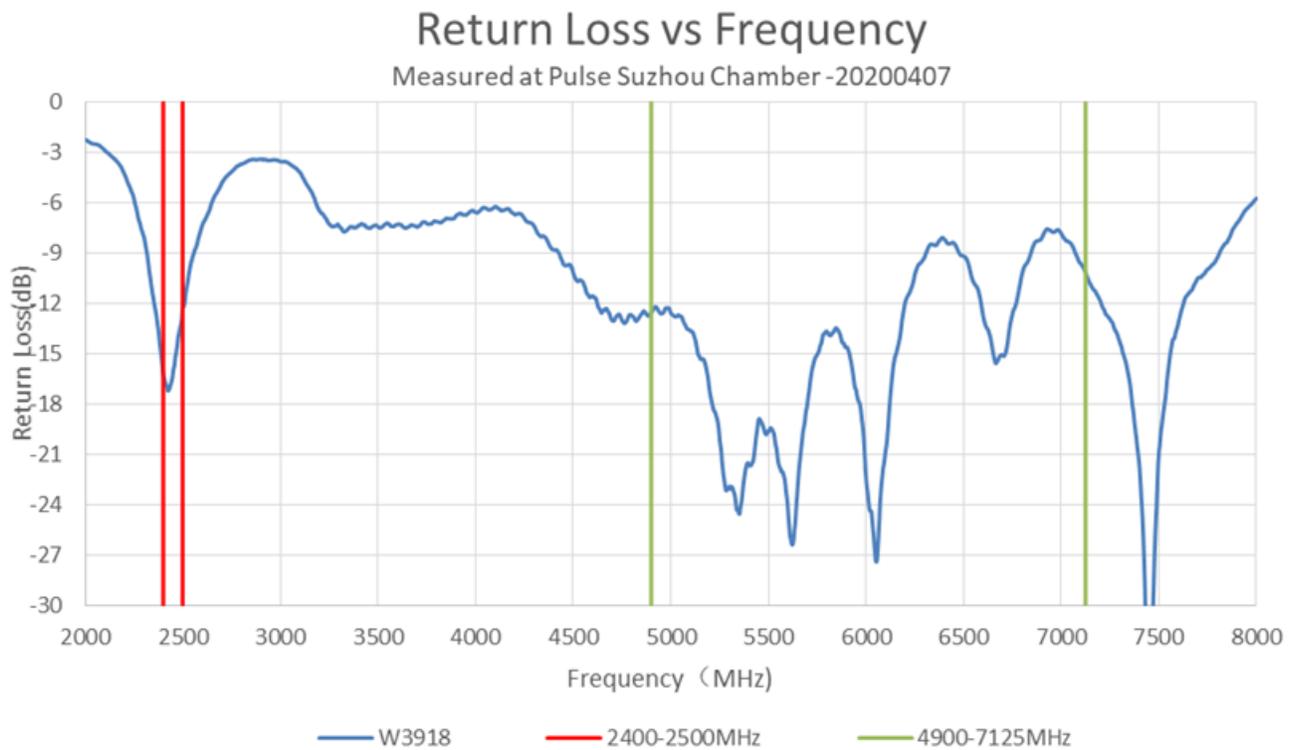
Description: 2.4/4.9-7.125GHz FPC antenna

Series: Internal Antenna

PART NUMBER: W3918BXXX

CHARTS

Return Loss



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

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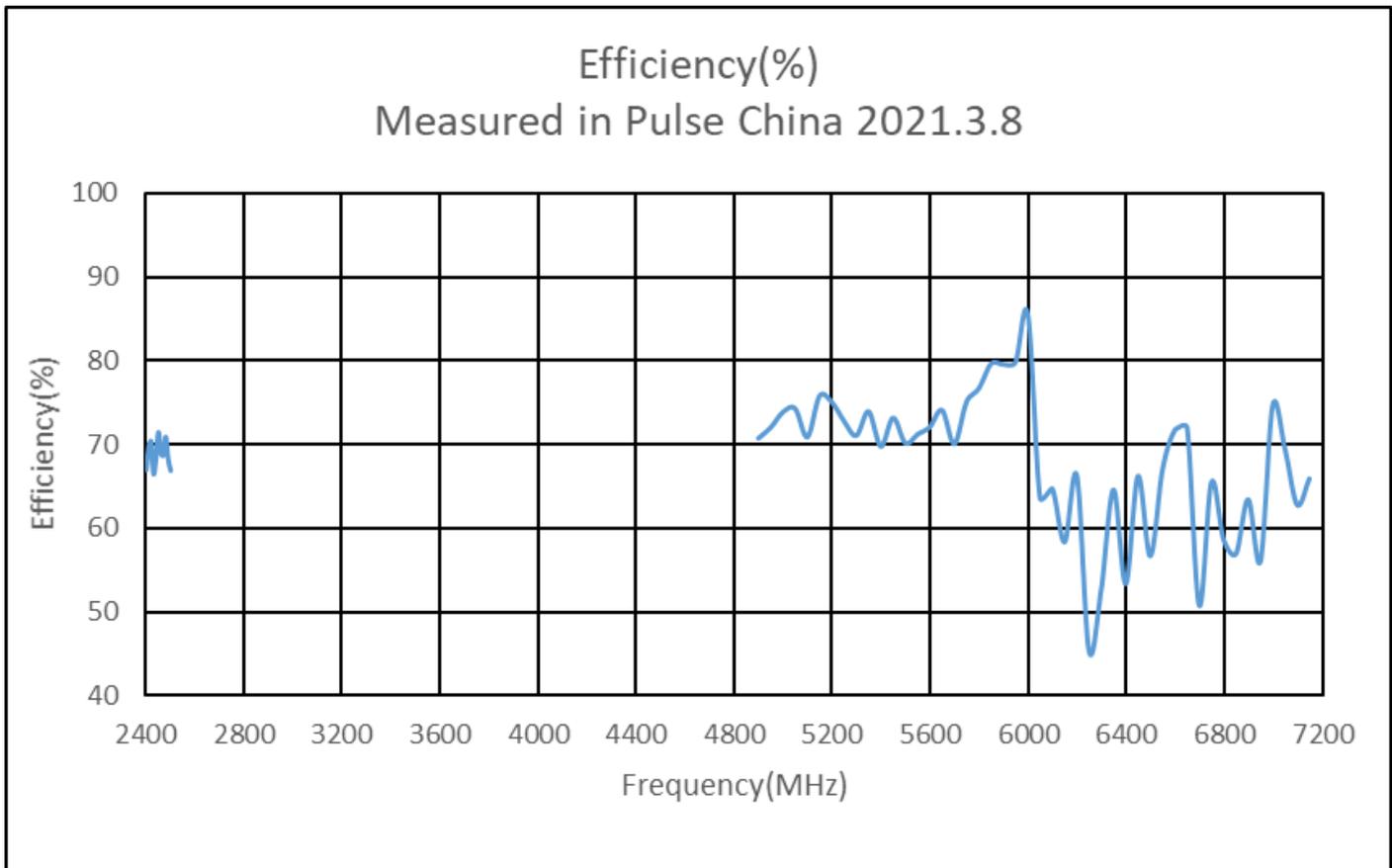
Description: 2.4/4.9-7.125GHz FPC antenna

Series: Internal Antenna

PART NUMBER: W3918BXXX

CHARTS

Efficiency



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

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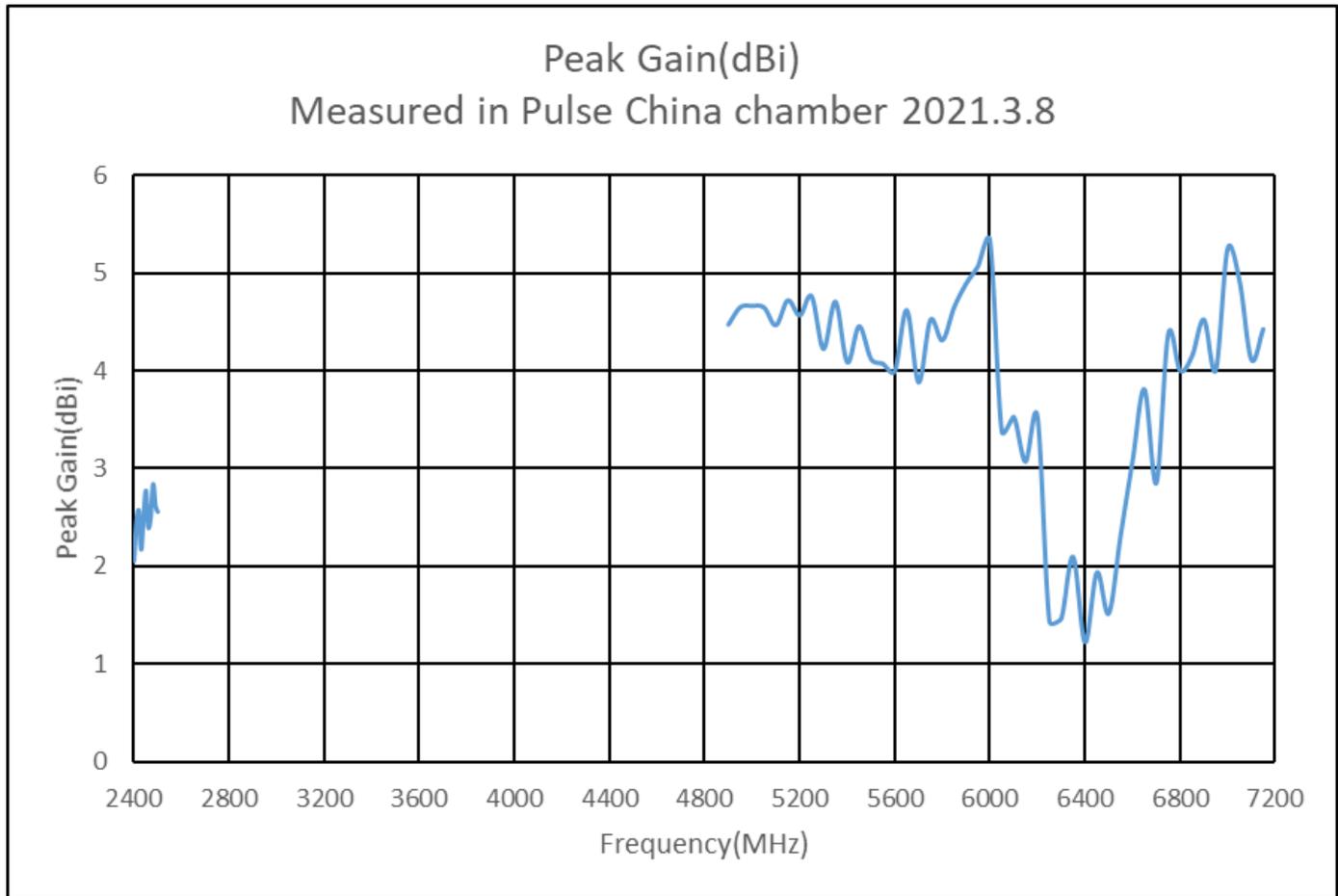
Description: 2.4/4.9-7.125GHz FPC antenna

Series: Internal Antenna

PART NUMBER: W3918BXXX

CHARTS

Peak Gain



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

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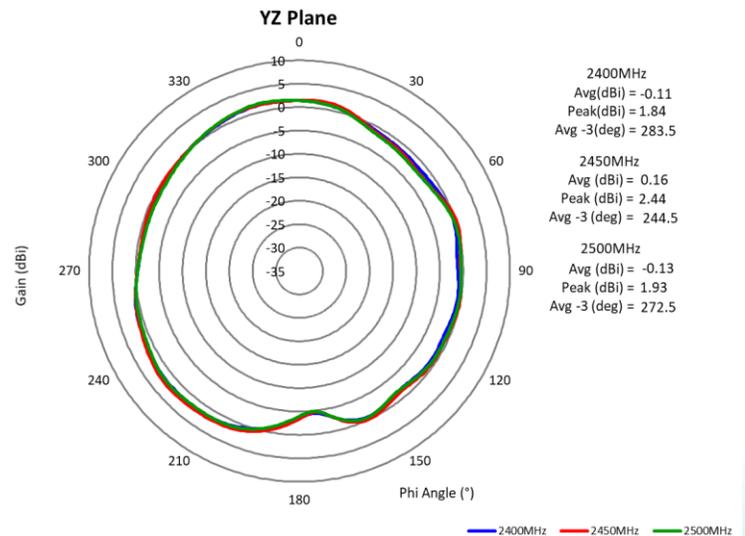
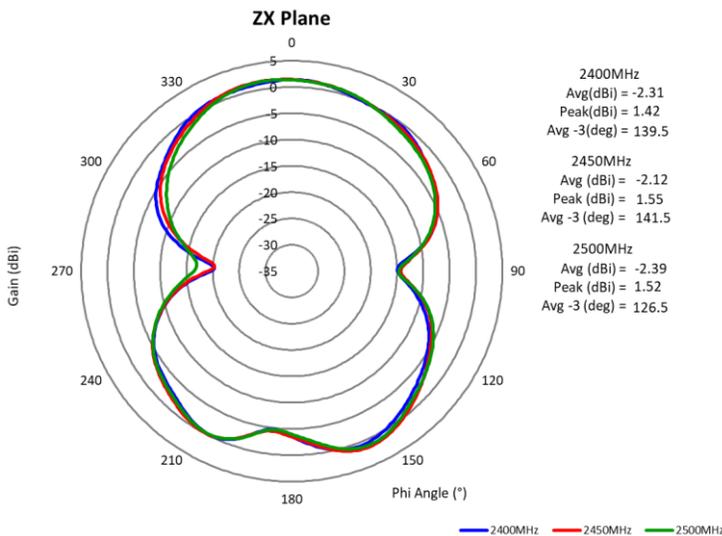
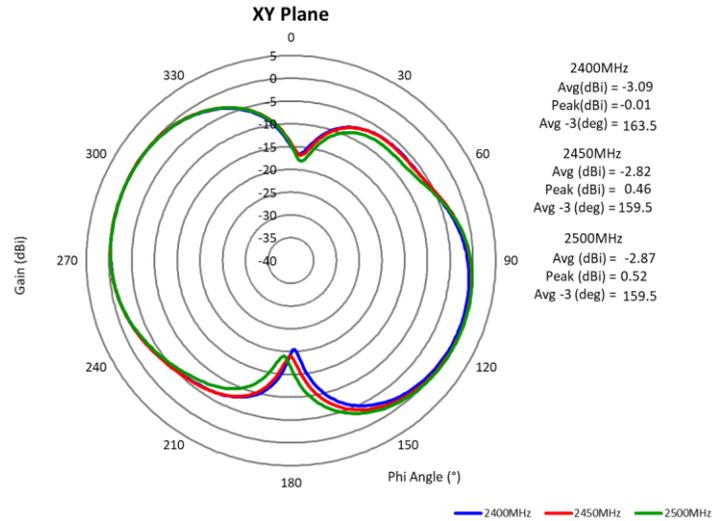
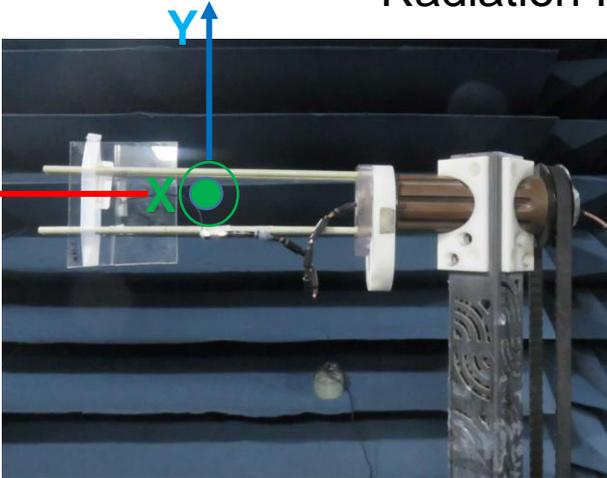
Description: 2.4/4.9-7.125GHz FPC antenna

Series: Internal Antenna

PART NUMBER: W3918BXXX

CHARTS

Radiation Patterns 2400-2500MHz



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

Issue: 2324

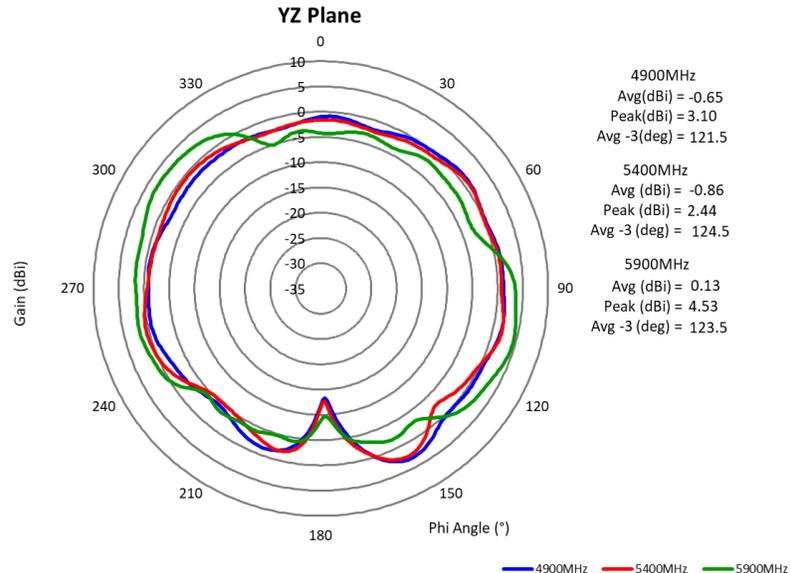
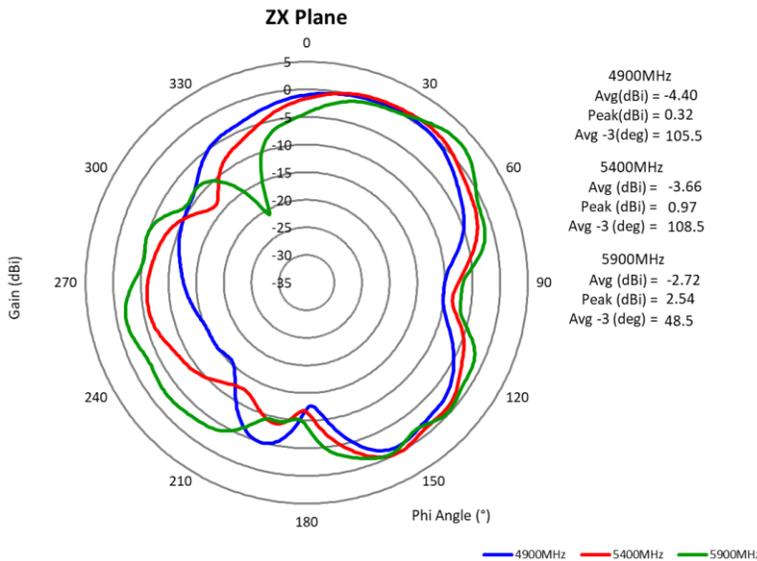
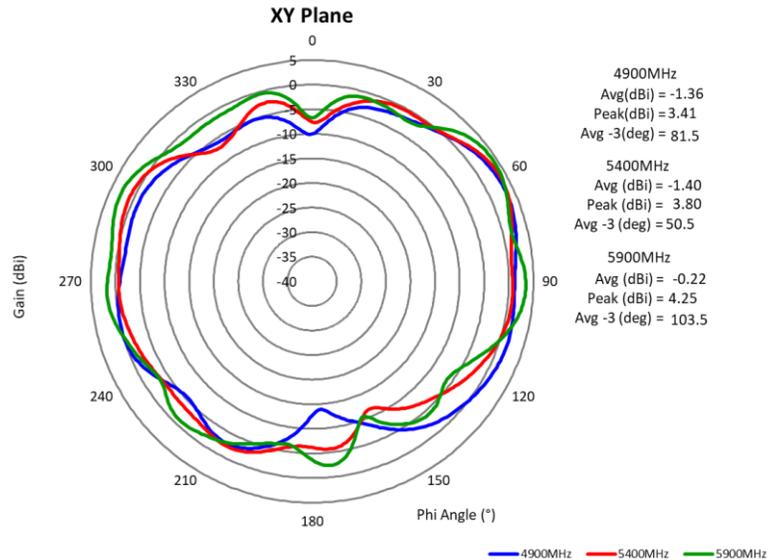
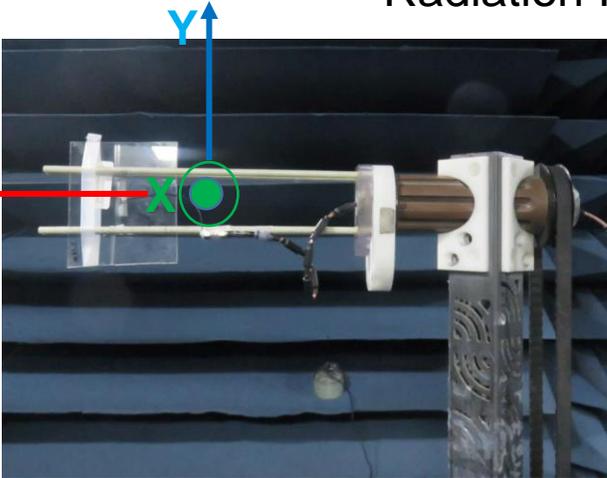
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CHARTS

Radiation Patterns 4900-5900MHz



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

Issue: 2324

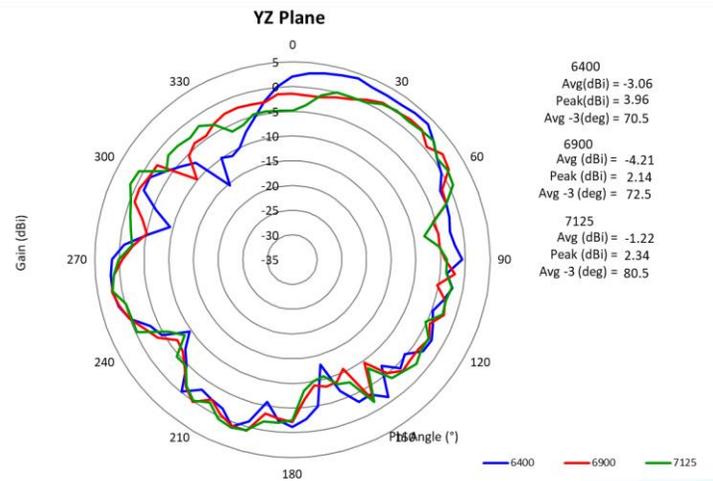
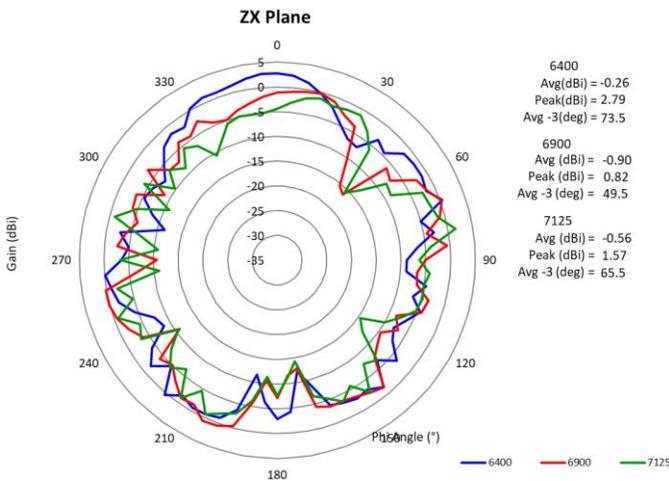
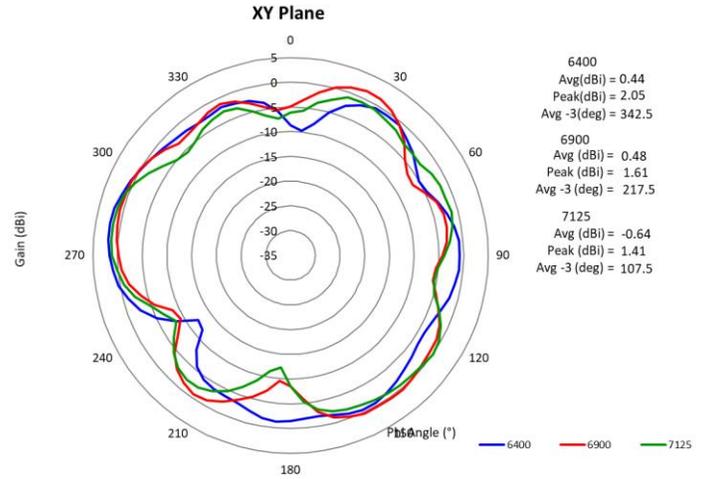
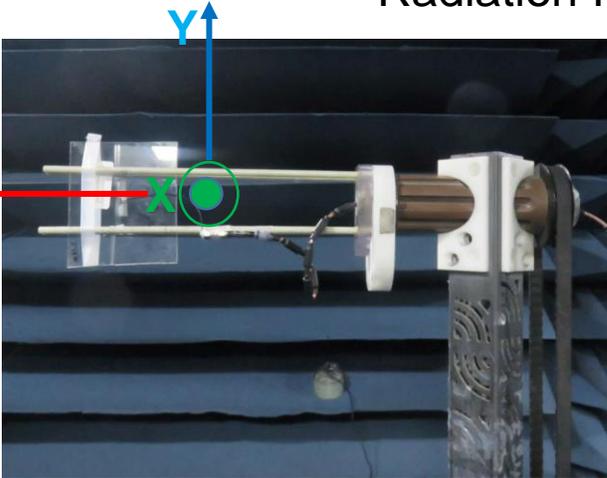
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CHARTS

Radiation Patterns 6000-7125MHz



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

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Description: 2.4/4.9-7.125GHz FPC antenna**Series: Internal Antenna****PART NUMBER: W3918BXXX****PACKAGING**

10PCS/PE bag

10 PE bag/foam bag

12 foam bag/ carton box

Total 1200PCS/Carton box

