

**Description: FPC Antenna 2.4/5.xGHz/DSRC**
**Series: Internal Antenna**
**PART NUMBER: W3334XXXXX**

**Features:**

- Peak gain 4/5.5dBi
- VSWR 2:1
- Mounting with adhesive tape
- Ultra small flexible radiator 14.3 x 5.3 x 0.1mm
- See connector and cable options page 2

**Applications:**

- 2.4/5.xGHz radios
- Dualband WiFi
- Bluetooth, BLE, ZigBee
- DSRC 5.85-5.925GHz
- Routers, set top boxes
- IoT, M2M, V2x

All dimensions are in mm / inches

**Issue: 2532**

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Tel:1-858-674-8100

Pulse/Larsen Antennas

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Vancouver, WA 98683

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Tel: 1-360-944-7551

Europe Headquarters

Pulse GmbH &amp; Do, 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



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

W3334B0050	50mm 1.13mm OD cable	U.FL compatible connector
W3334B0100	100mm 1.13mm OD cable	U.FL compatible connector
W3334B0127	127mm 1.13mm OD cable	U.FL compatible connector
W3334B0150	150mm 1.13mm OD cable	U.FL compatible connector
W3334B0250	250mm 1.13mm OD cable	U.FL compatible connector
W3334B0290	290mm 1.13mm OD cable	U.FL compatible connector
W3334BD0150	150mm 0.81mm OD cable	MHF4 compatible connector

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**ELECTRICAL SPECIFICATIONS**

Cable Length(mm)	P/N	Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)	VSWR
50	W3334B0050	2400-2500	4+/-1dB	50	2:1
		4900-6000	5.5+/-1dB	70	2.5:1
100	W3334B0100	2400-2500	4+/-1dB	50	2:1
		4900-6000	5.5+/-1dB	70	2.5:1
127	W3334B0127	2400-2500	4+/-1dB	50	2:1
		4900-6000	5.5+/-1dB	70	2:1
150	W3334B0150 W3334BD0150	2400-2500	4+/-1dB	50	2:1
		4900-6000	5.5+/-1dB	70	2:1
250	W3334B0250	2400-2500	4+/-1dB	50	2:1
		4900-6000	5.5+/-1dB	70	2:1
290	W3334B0290	2400-2500	4+/-1dB	50	2:1
		4900-6000	5.5+/-1dB	70	2:1

**Typical free space performance measured on 1mm thick PC plate**
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FPC size	14.3 X 5.3 X0.1[0.56 X 0.21 X 0.004] mm[inch]
Connector type	See Page 2.
Cable type	See Page 2
Cable length	Optional
Cable color	Black
Adhesive	3M467

**ENVIRONMENTAL SPECIFICATIONS**

Operating temperature	-40/+85 °C
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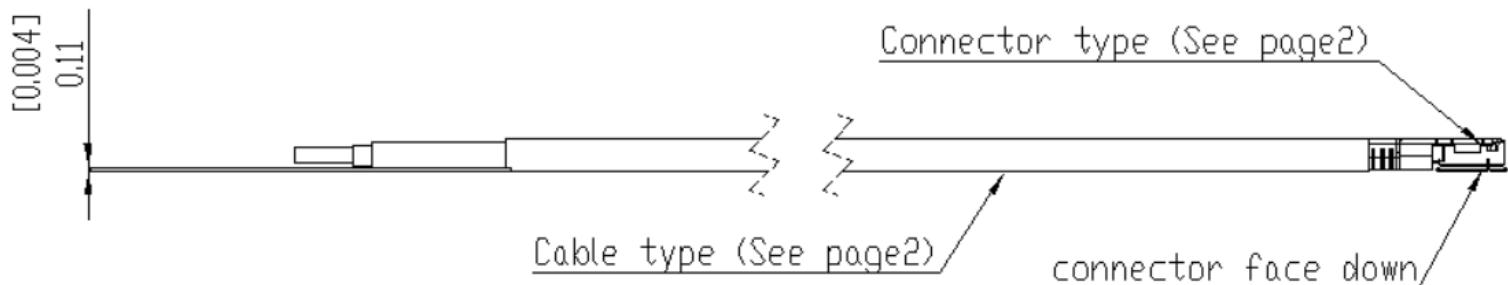
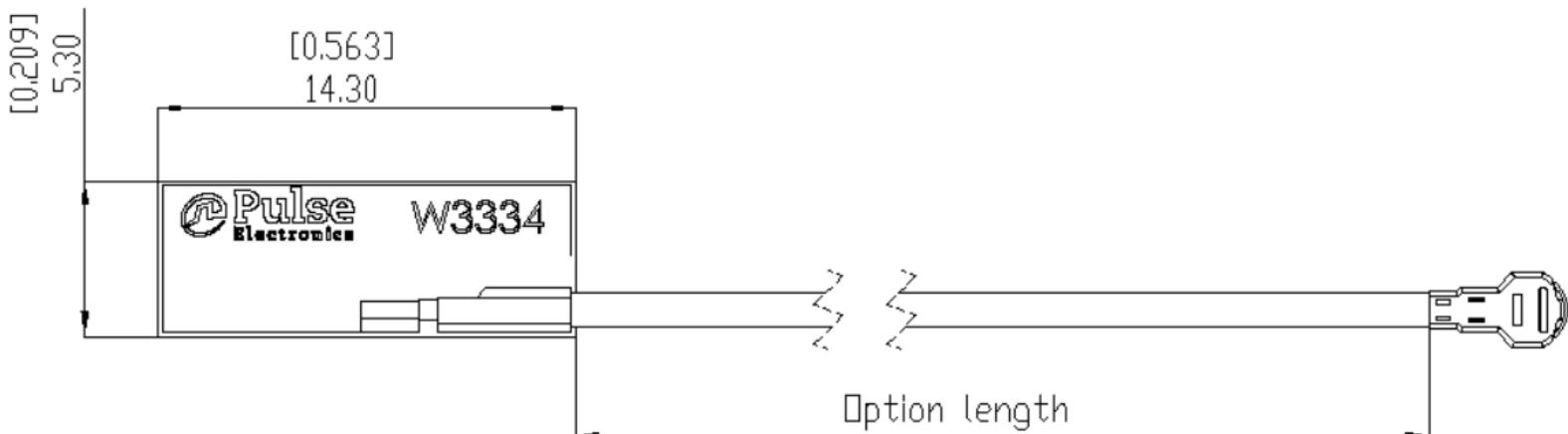


**Description: FPC Antenna 2.4/5.xGHz/DSRC**

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**MECHANICAL DRAWING**



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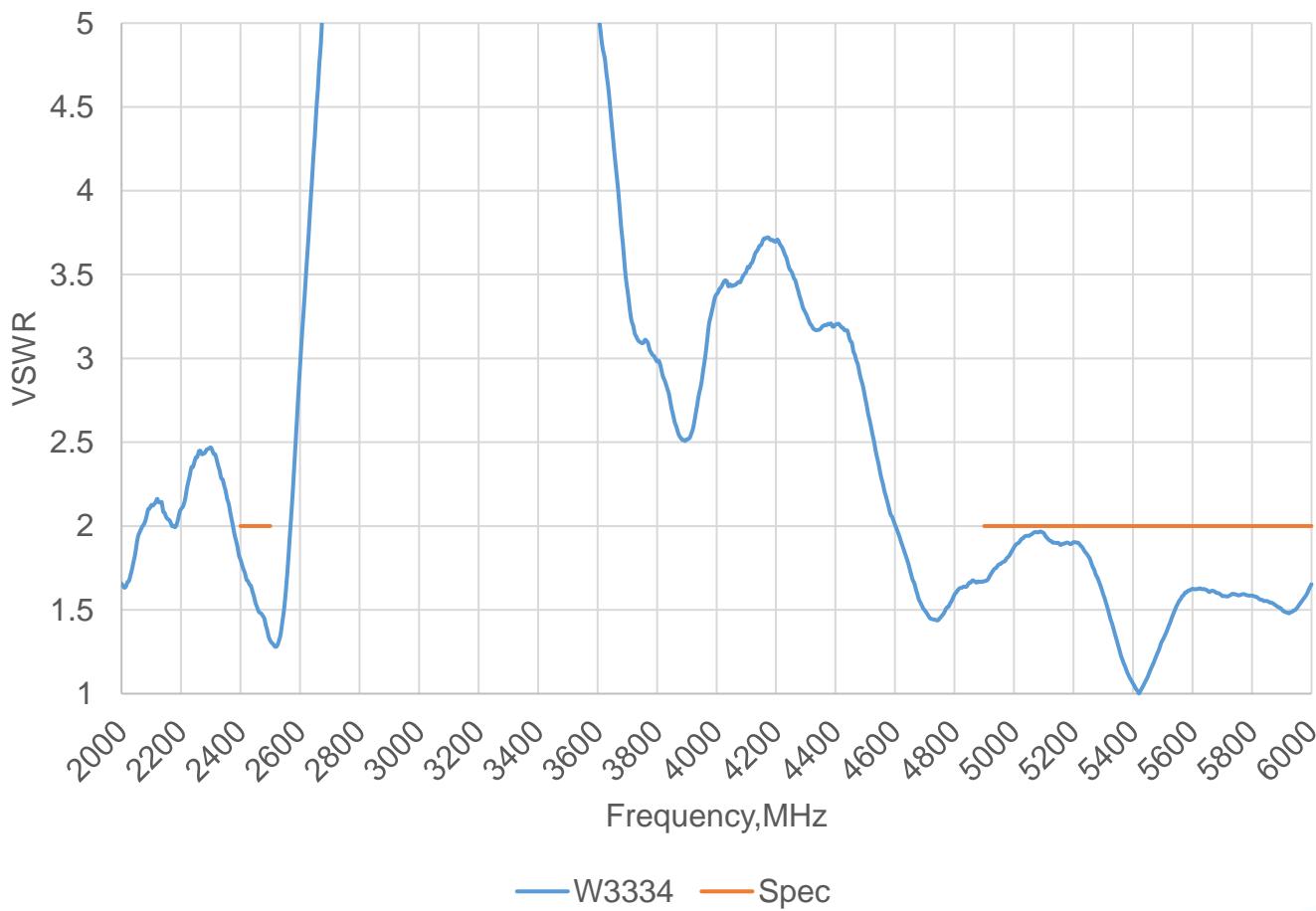
**Series: Internal Antenna**

**PART NUMBER:** W3334XXXXX

**CHARTS**

**VSWR**

W3334 measured with polycarbonate plate



**Note: Antenna tested on 1mm thickness PC plate with 150mm feed cable**

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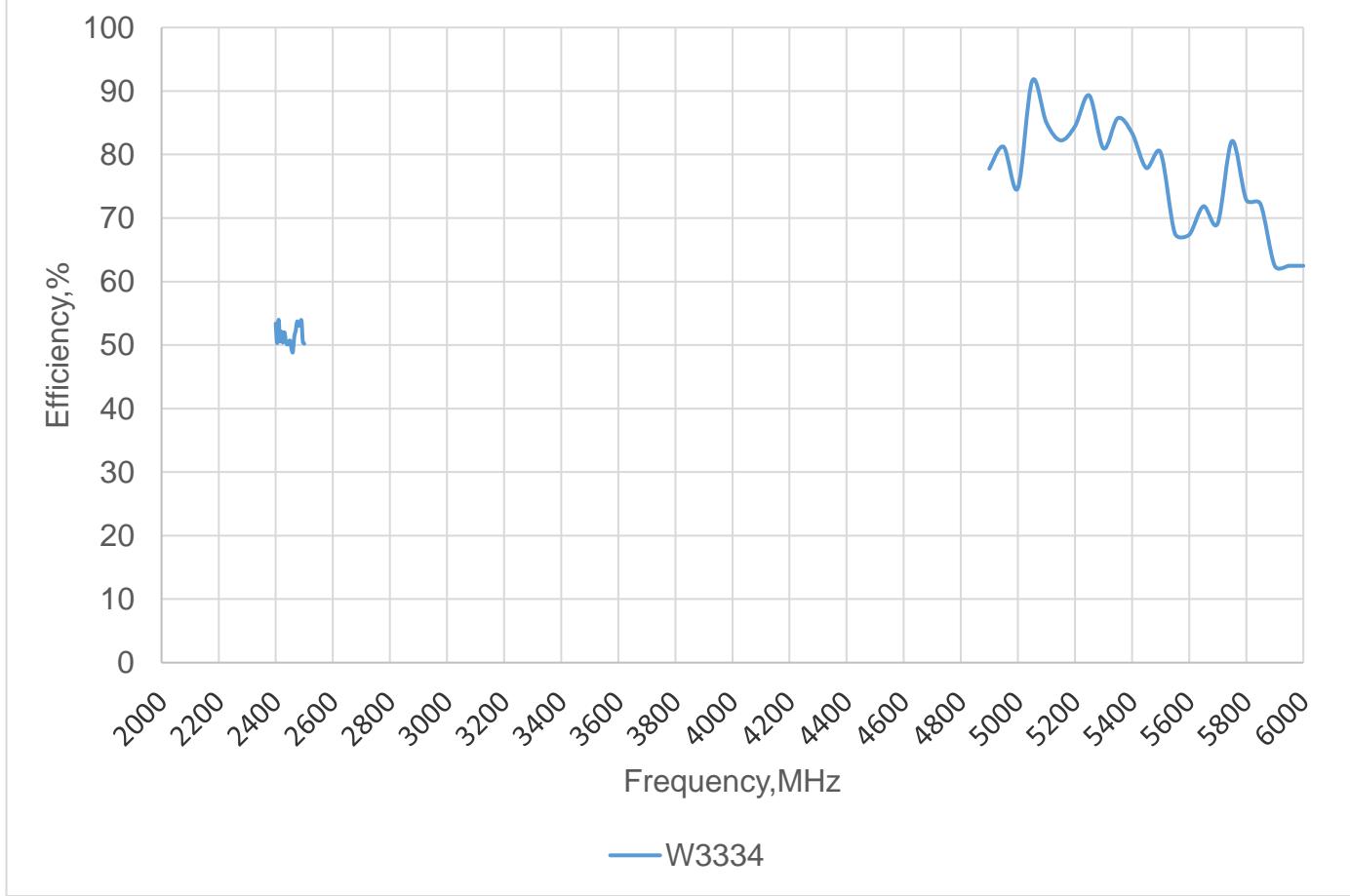
**Series: Internal Antenna**

**PART NUMBER:** W3334XXXXX

**CHARTS**

**Efficiency**

Efficiency vs frequency measured with polycarbonate plate



**Note: Antenna tested on 1mm thickness PC plate with 150mm feed cable**

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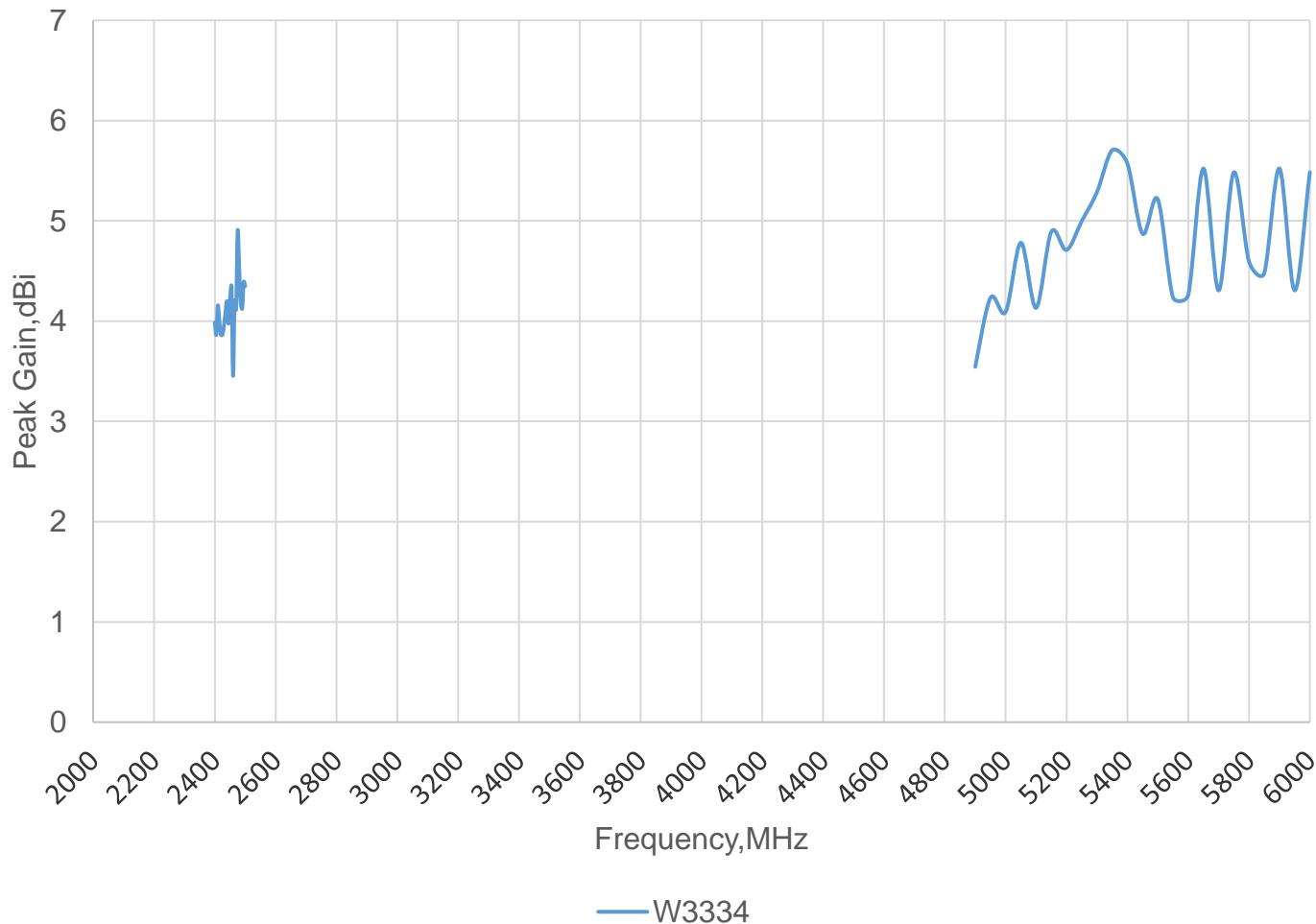
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**CHARTS**

**Peak Gain**

Peak Gain vs frequency measured with polycarbonate plate



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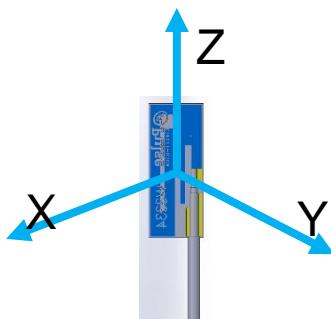


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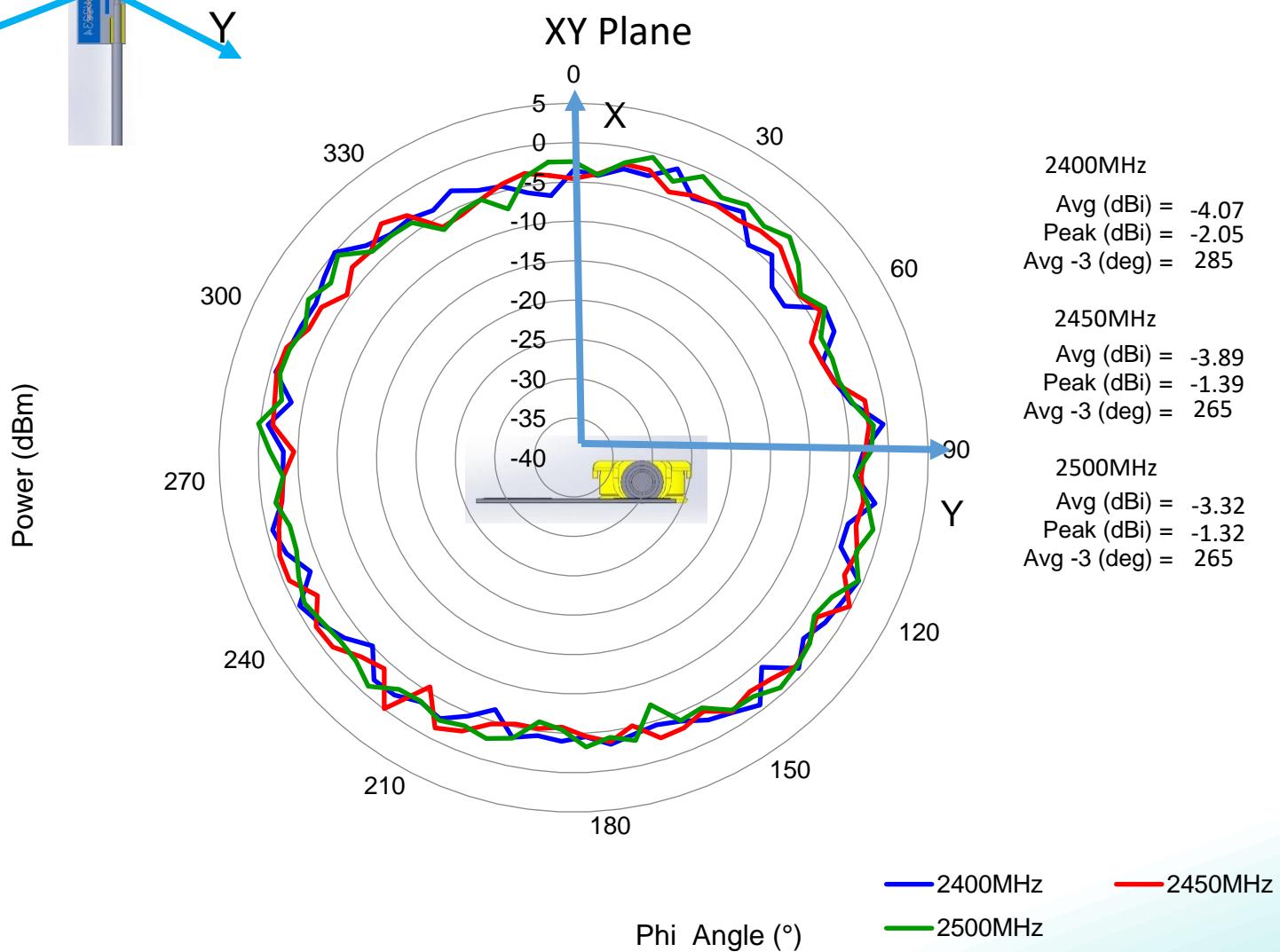
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CHARTS



Gain Plots



**Note: Antenna tested on 1mm thickness PC plate with 150mm feed cable**

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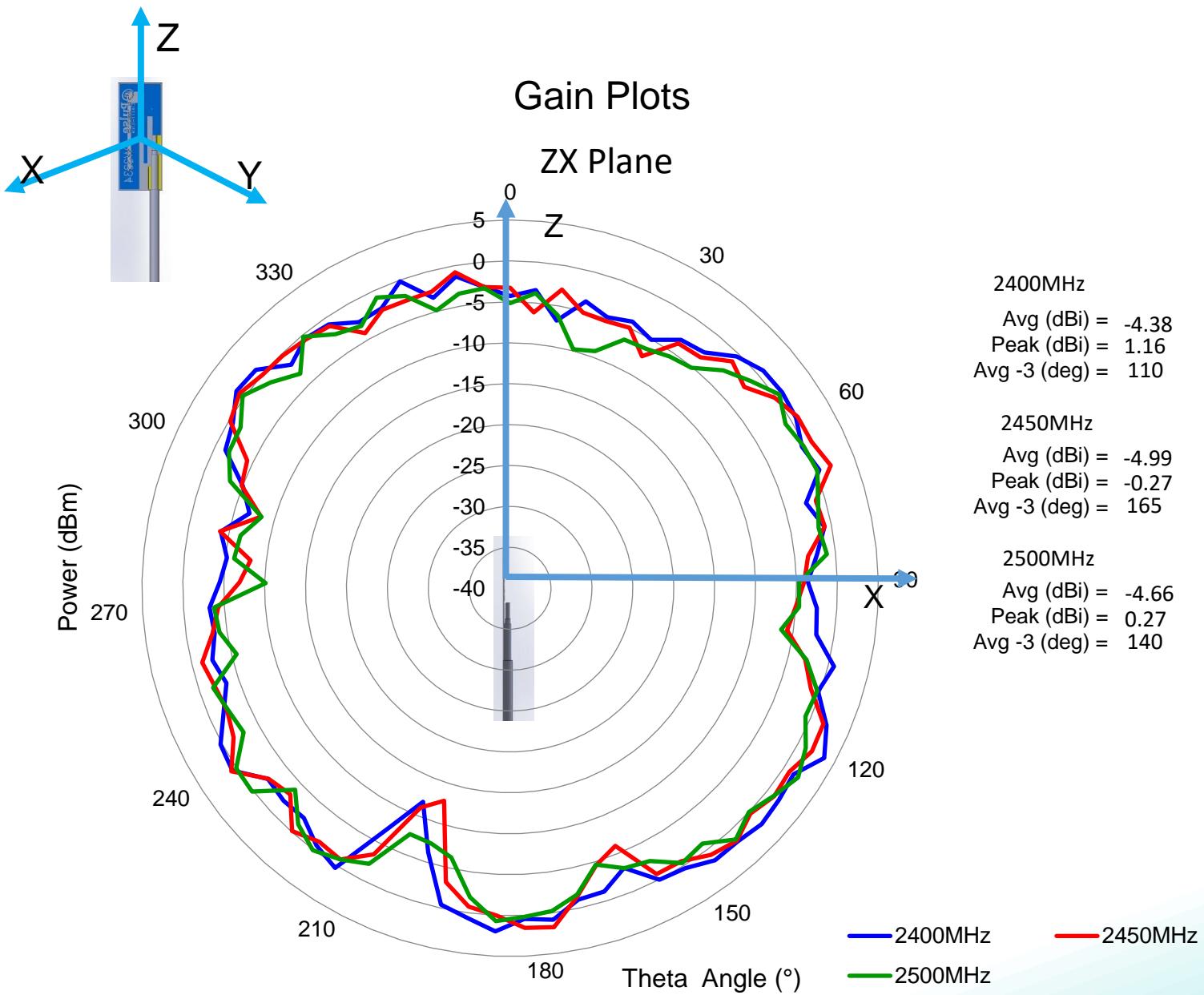
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CHARTS



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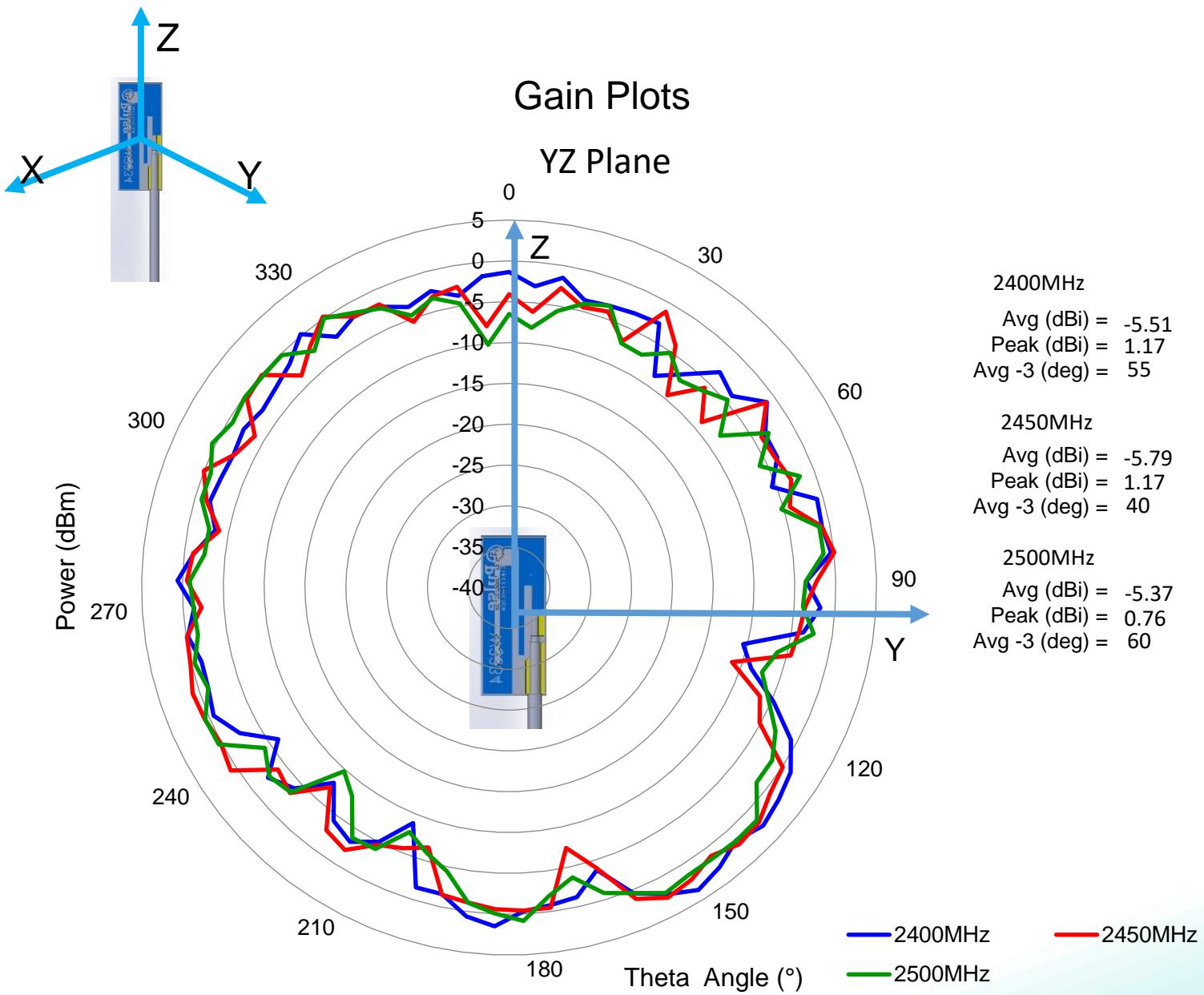


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CHARTS



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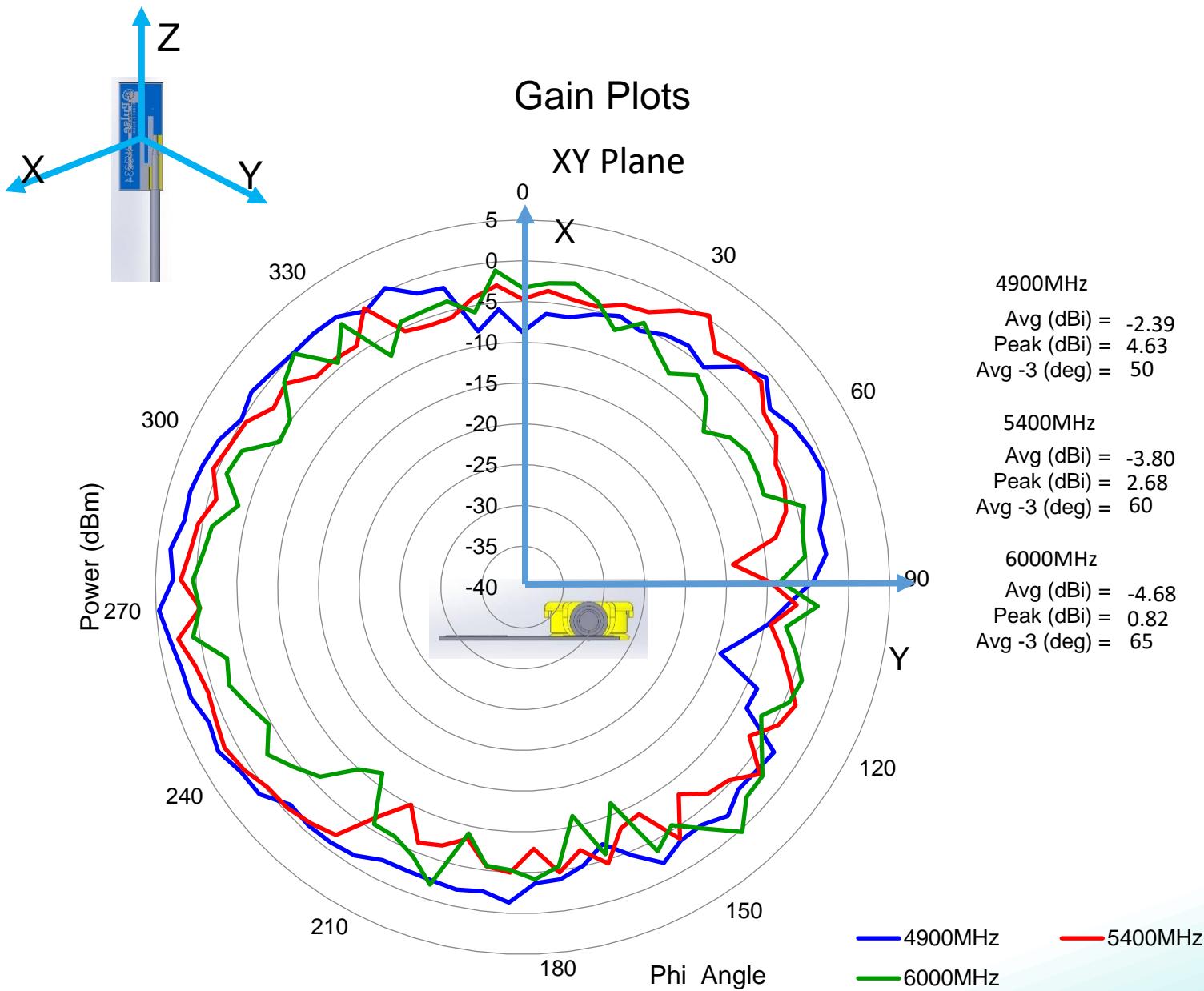


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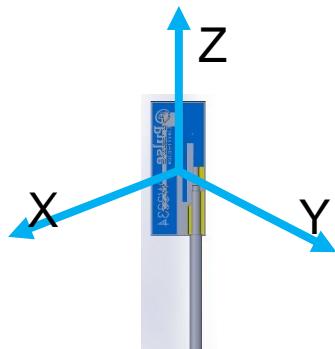


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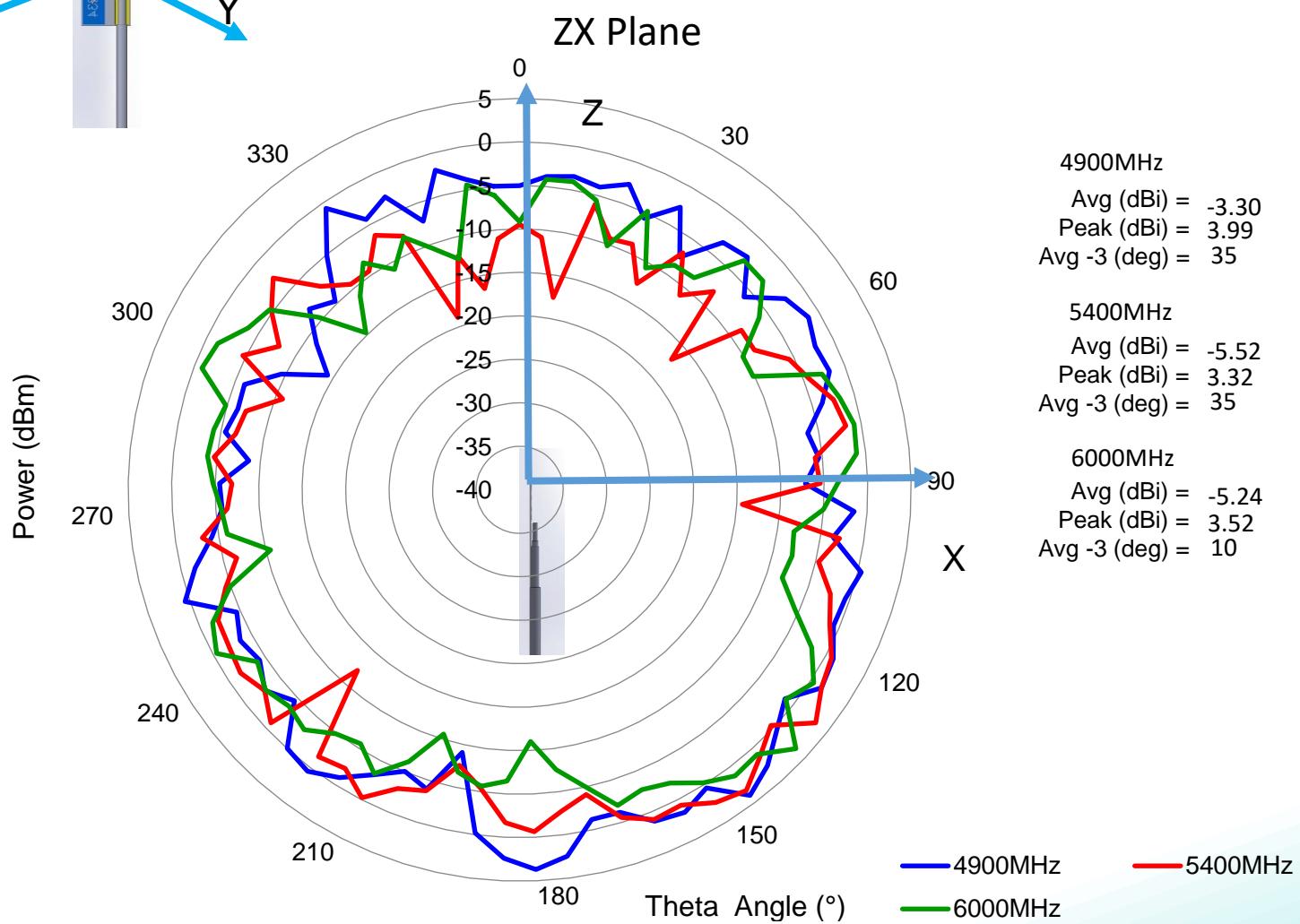
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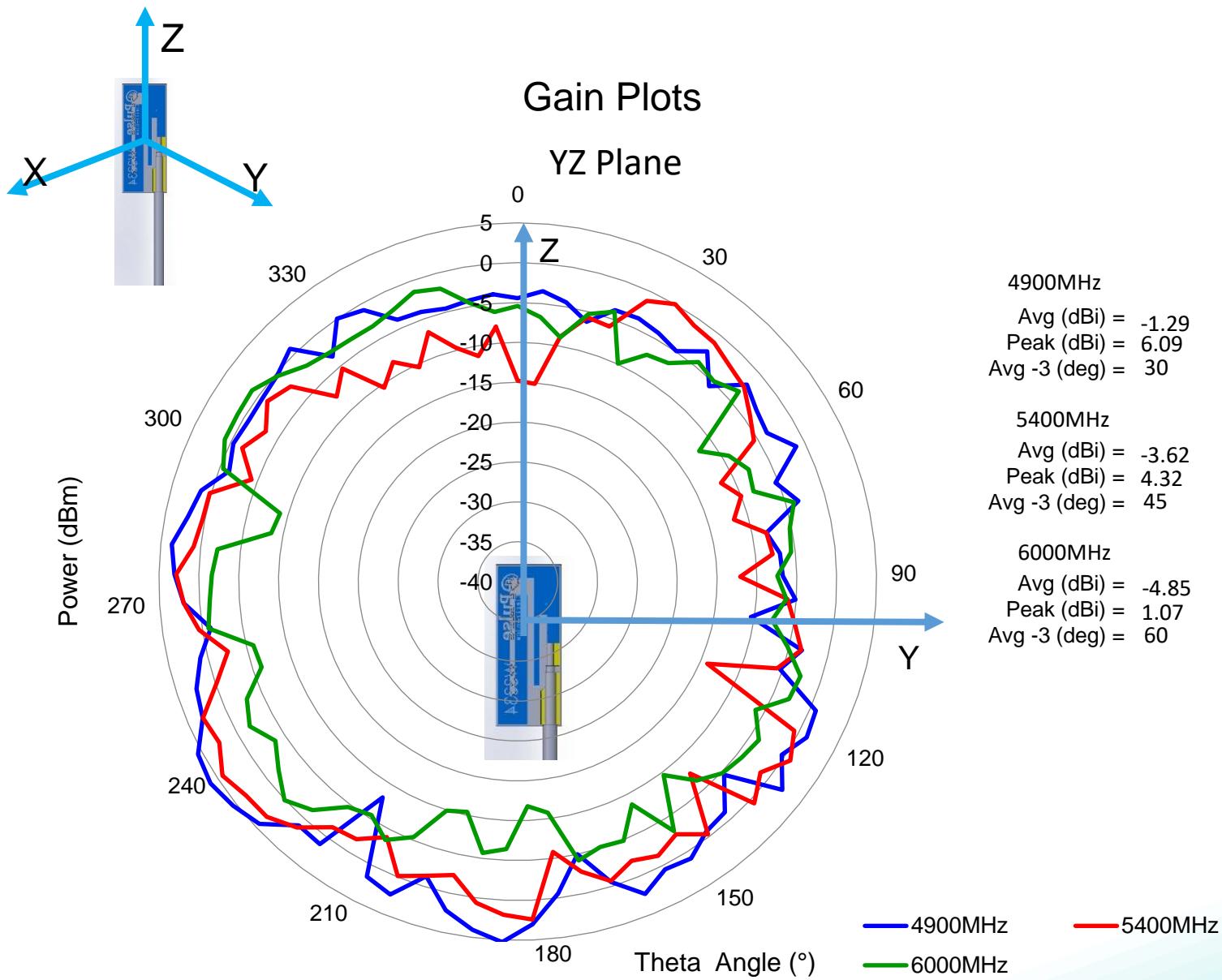


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**Description: FPC Antenna 2.4/5.xGHz/DSRC****Series: Internal Antenna****PART NUMBER:** W3334XXXXX**PACKAGING**

10PCS/PE bag

10 PE bag/foam bag

12 foam bag/ carton box

Total 1200PCS/Carton box

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