

Description: FPC Antenna 2.4/5.xGHz/DSRC

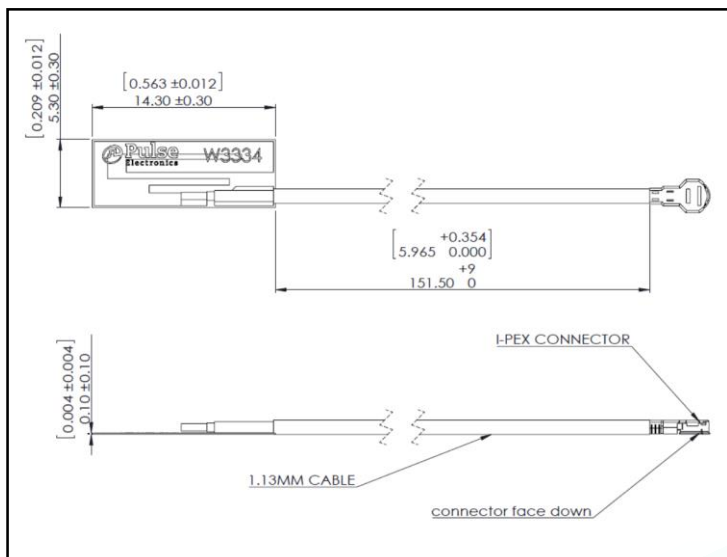
Series: Internal Antenna

PART NUMBER: **W3334B0150**



Features:

- Peak gain 4/5.5dBi
- VSWR 2:1
- Mounting with adhesive tape
- Ultra small flexible radiator 4.3x15.3x0.1mm
- 150mm coax feed cable with U.FL compatible connector



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: 1635

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Description: FPC Antenna 2.4/5.xGHz/DSRC

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ELECTRICAL SPECIFICATIONS

Frequency	2400-2500/4900-6000	MHz
Nominal Impedance	50	Ω
VSWR	2.0:1	
Average efficiency(2400-2500MHz)	50	%
Average efficiency(4900-6000MHz)	70	%
Peak Gain (2400-2500MHz)	4	dBi +/- 1 dB
Peak Gain (4900-6000MHz)	5.5	dBi +/- 1 dB
Polarization:	Linear	
Power withstanding	3	W
Connector type	I-pex	
Cable type	φ =1.13[0.04]	mm[inch]
Cable length	151.5[6]	mm[inch]

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MECHANICAL SPECIFICATIONS

FPC size	14.3 X 5.3 X 0.1 [0.56 X 0.21 X 0.004]	mm[inch]
Overall Length	165.8 [6.5]	mm[inch]

ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-40/+85 ° C
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MECHANICAL DRAWING

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ITEM	PART NUMBER	DESCRIPTION	QUANTITY
1	025-6216.001	FPC WITH 3M467 ADHESIVE	1
2	055-2236.001	1.13mm CABLE WITH I-PEX CONNECTOR	1

NOTES:
1. ALL DIMENSIONS ARE IN MM.
2. RoHS COMPLIANT.
3. VISUAL QUALITY ACCORDING TO PULSE VISUAL STANDARD DOCUMENT GAP-Infra.-QA-002 CLASS III.

No recycling plastics allowed to use.		99 HUOJU RD, SUZHOU NEW DISTRICT SUZHOU 215025 P.R.CHINA WWW.PULSEENG.COM/ANTENNAS	Sheet number 1/1 General Tolerance 150-2768-f Customer number Scale 4:1 (A3) Drawn WinZhu 20160808 Chid Apprd	Product(s) W3334B0150 Item Name W3334B0150 Assembly	Document number W3334B0150 Part Version P02 Document Version 02	<table border="1"> <tr> <td>02</td> <td>11-Aug-16</td> <td>WinZhu</td> </tr> <tr> <td>01</td> <td>08-Aug-16</td> <td>WinZhu</td> </tr> <tr> <td>Mod</td> <td>Date</td> <td>Name</td> </tr> </table>	02	11-Aug-16	WinZhu	01	08-Aug-16	WinZhu	Mod	Date	Name
02	11-Aug-16						WinZhu								
01	08-Aug-16	WinZhu													
Mod	Date	Name													
Functional Characteristic key: Process capability studies required, total 0 pcs. Process capability studies required and ongoing statistical process control required, total 0 pcs.															
Mod	Explication														
01	FIRST RELEASE														
02	ADD PCB THICKNESS AND CABLE INFORMATION														

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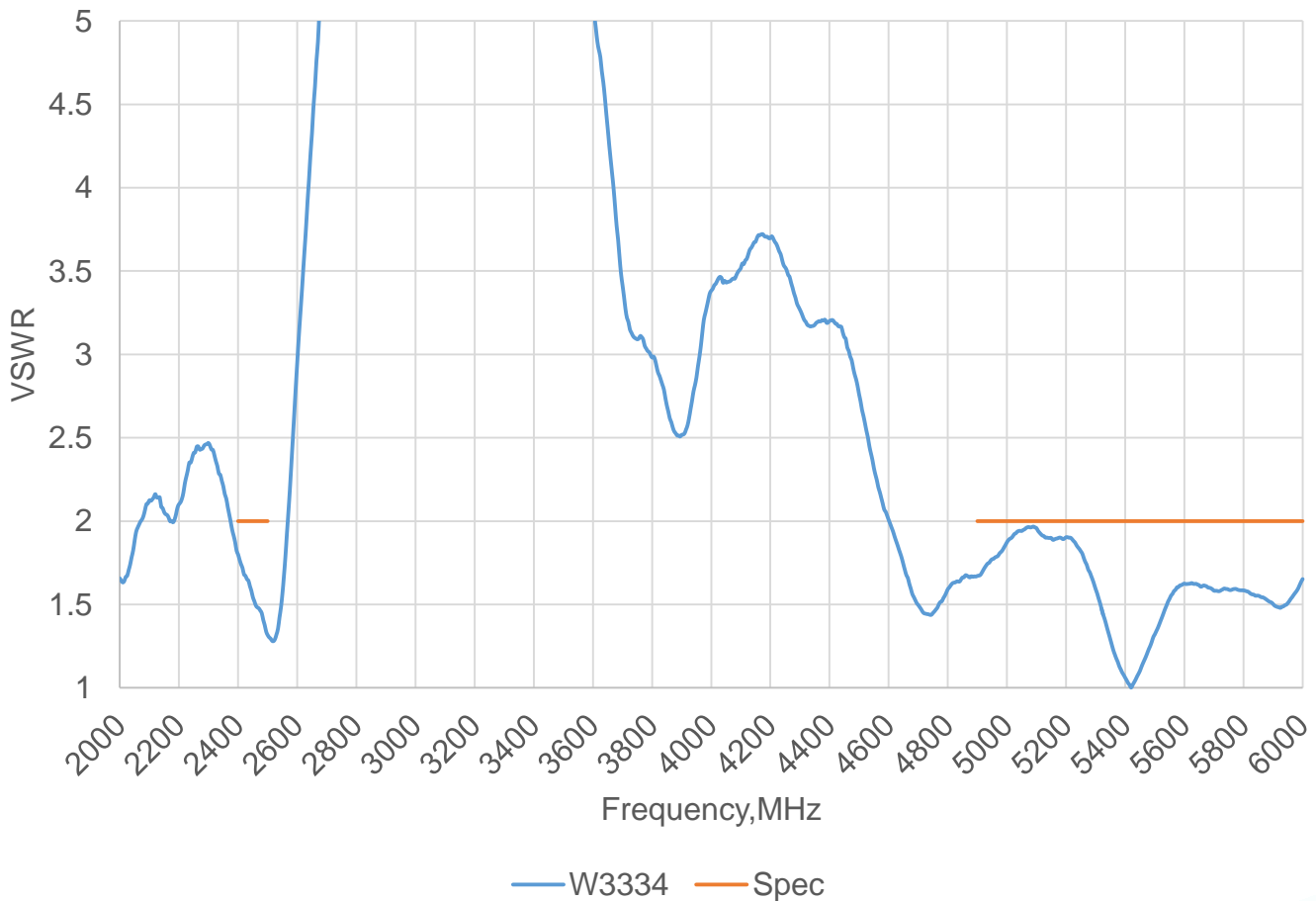
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CHARTS

VSWR

W3334 measured with polycarbonate plate



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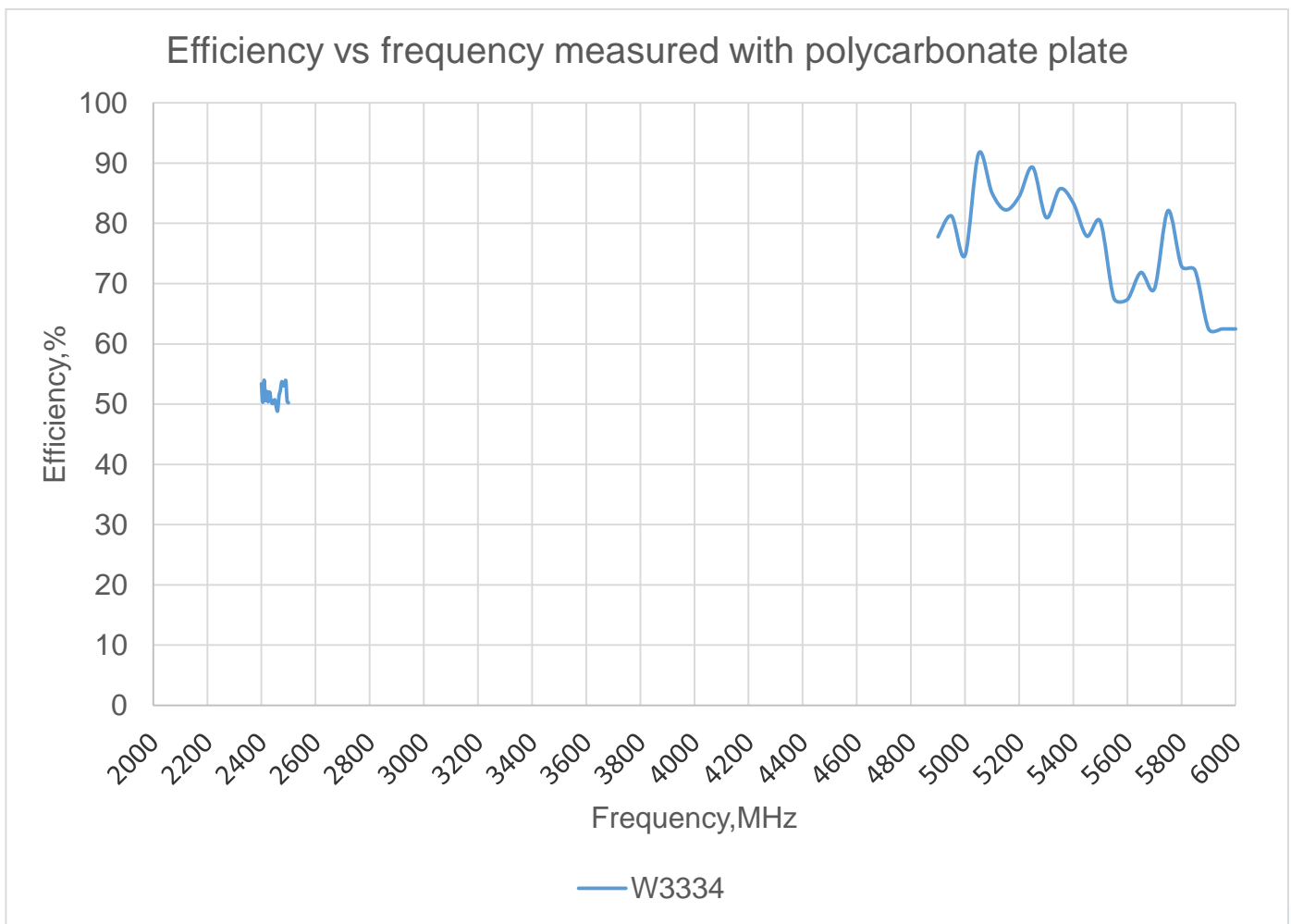
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CHARTS

Efficiency



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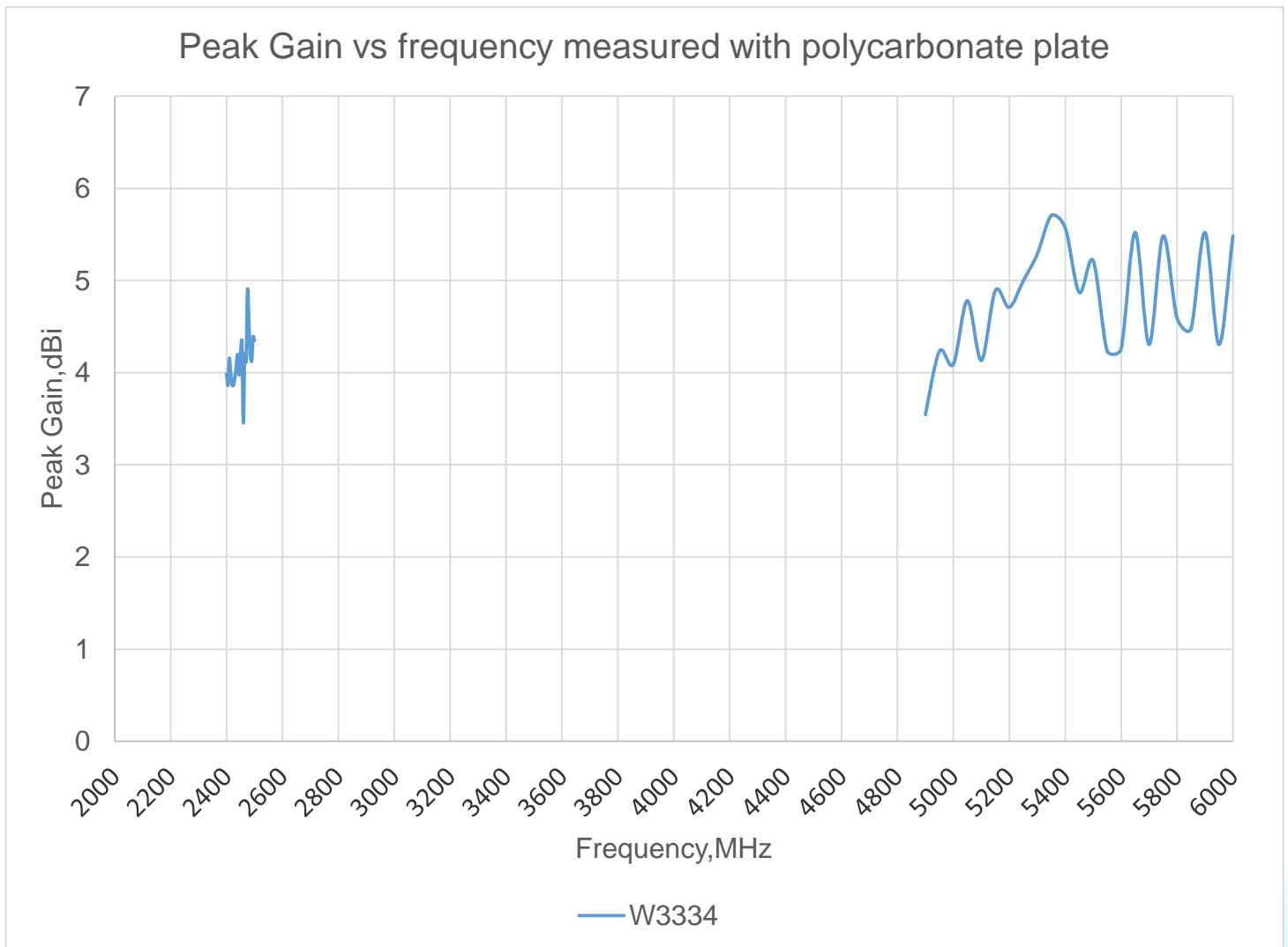
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CHARTS

Peak Gain



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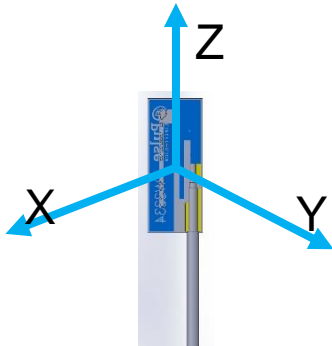
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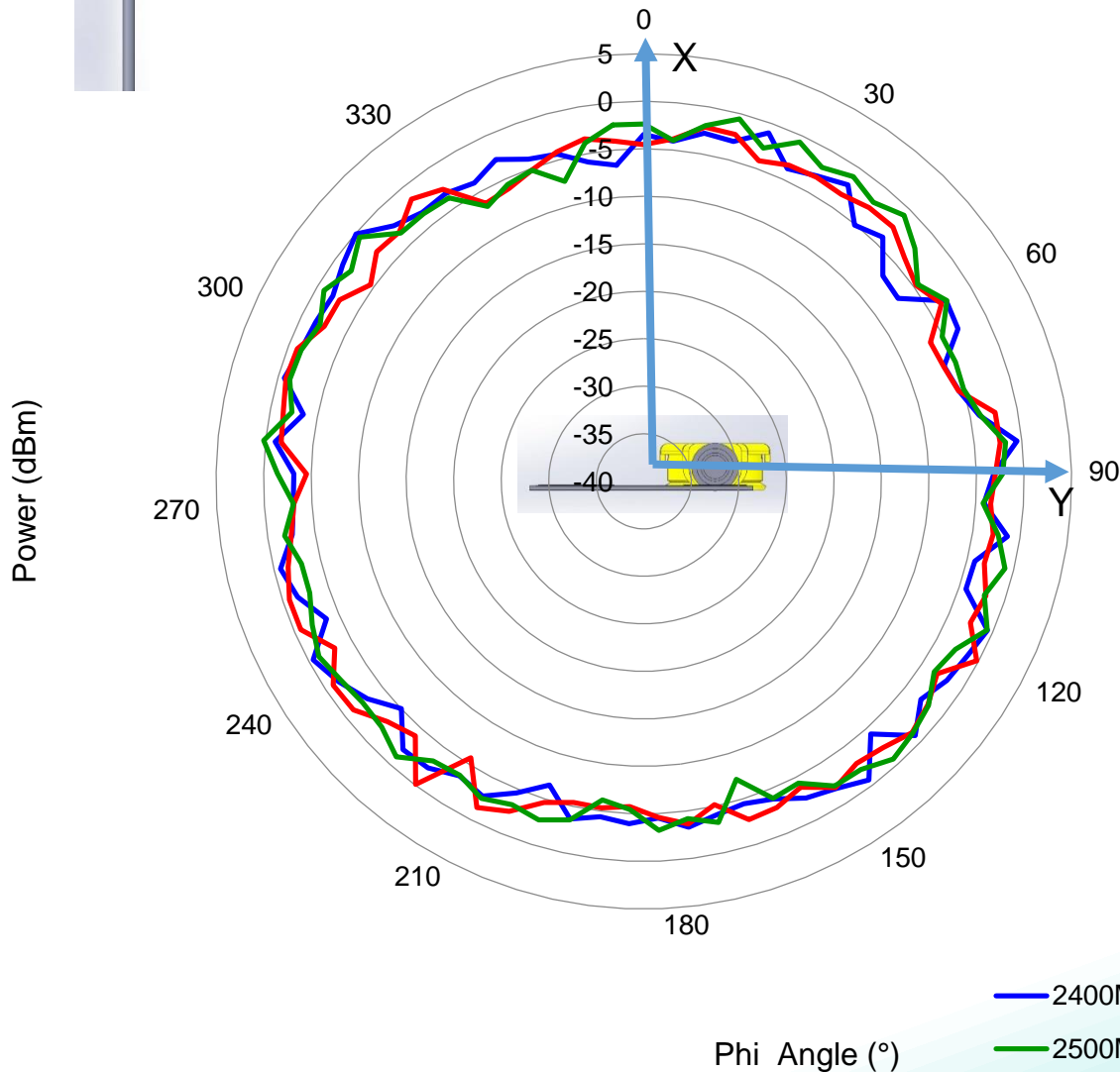
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CHARTS



Gain Plots

XY Plane



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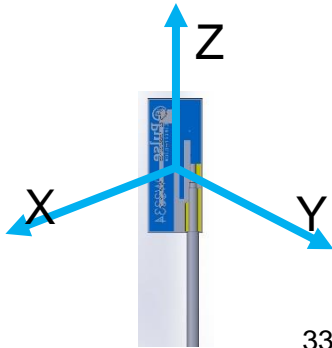


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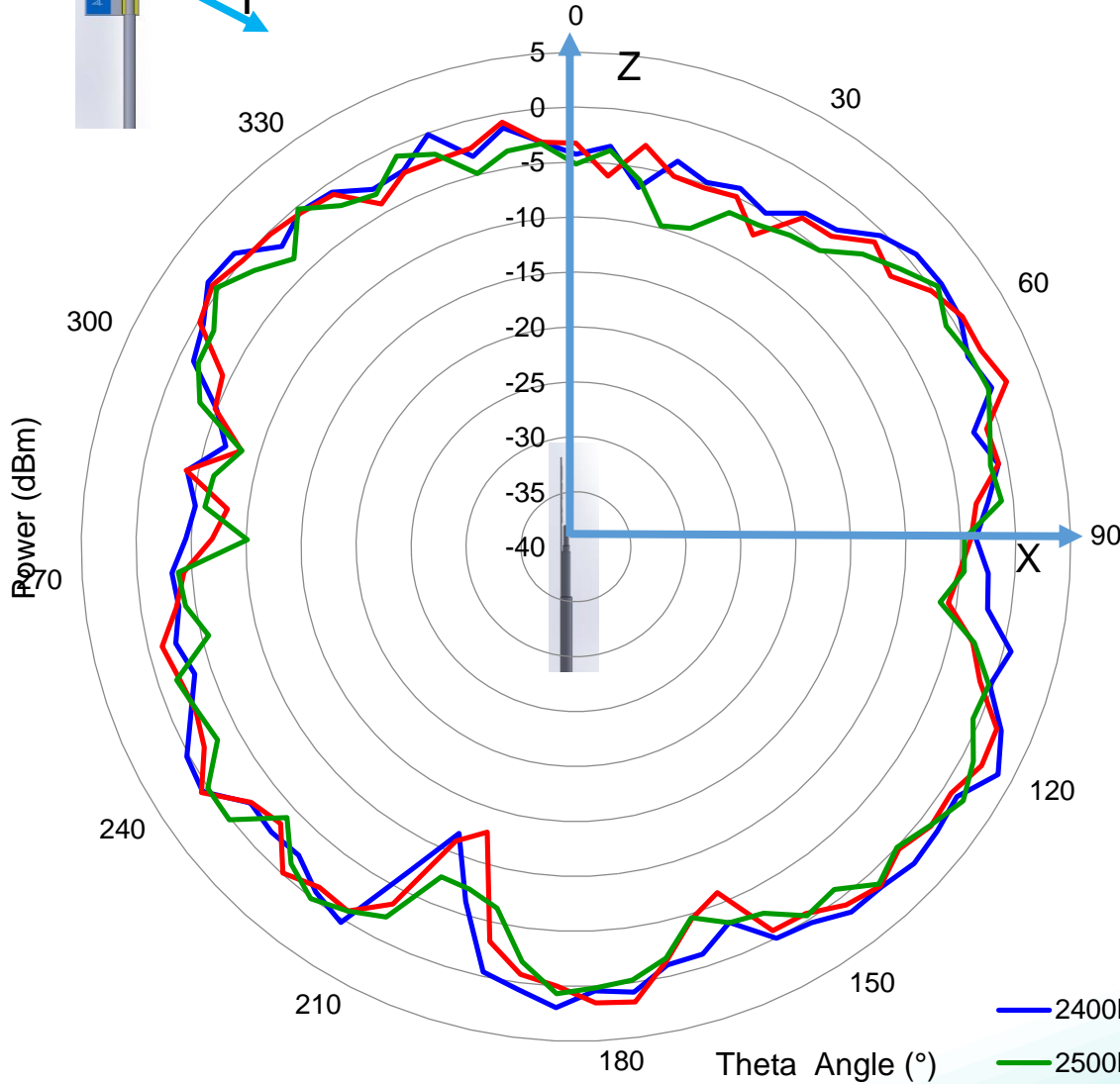
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CHARTS



Gain Plots

ZX Plane



2400MHz
Avg (dBi) = -4.38
Peak (dBi) = 1.16
Avg -3 (deg) = 110
2450MHz
Avg (dBi) = -4.99
Peak (dBi) = -0.27
Avg -3 (deg) = 165
2500MHz
Avg (dBi) = -4.66
Peak (dBi) = 0.27
Avg -3 (deg) = 140

— 2400MHz — 2450MHz
— 2500MHz

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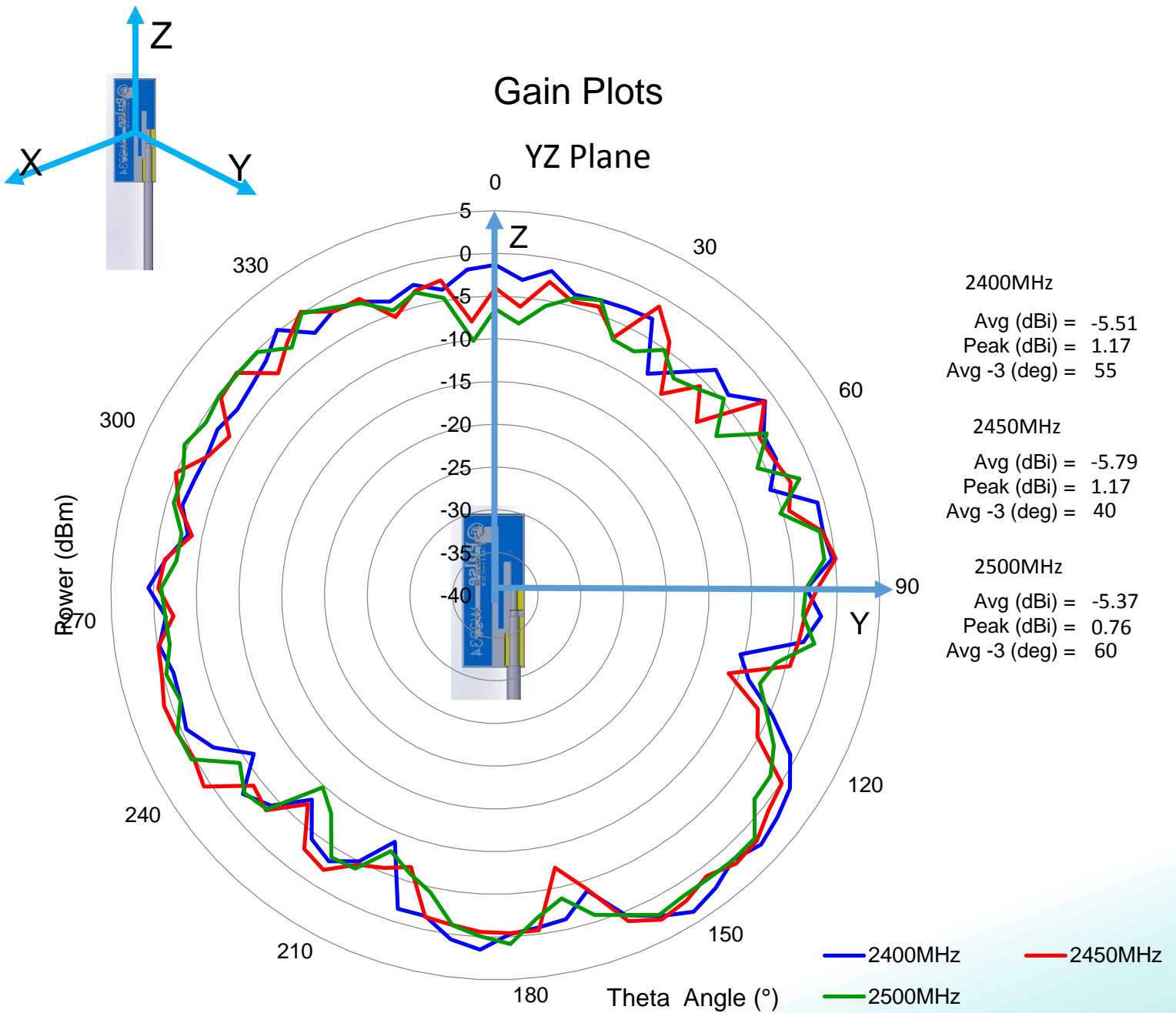


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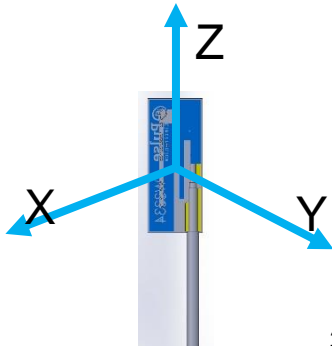
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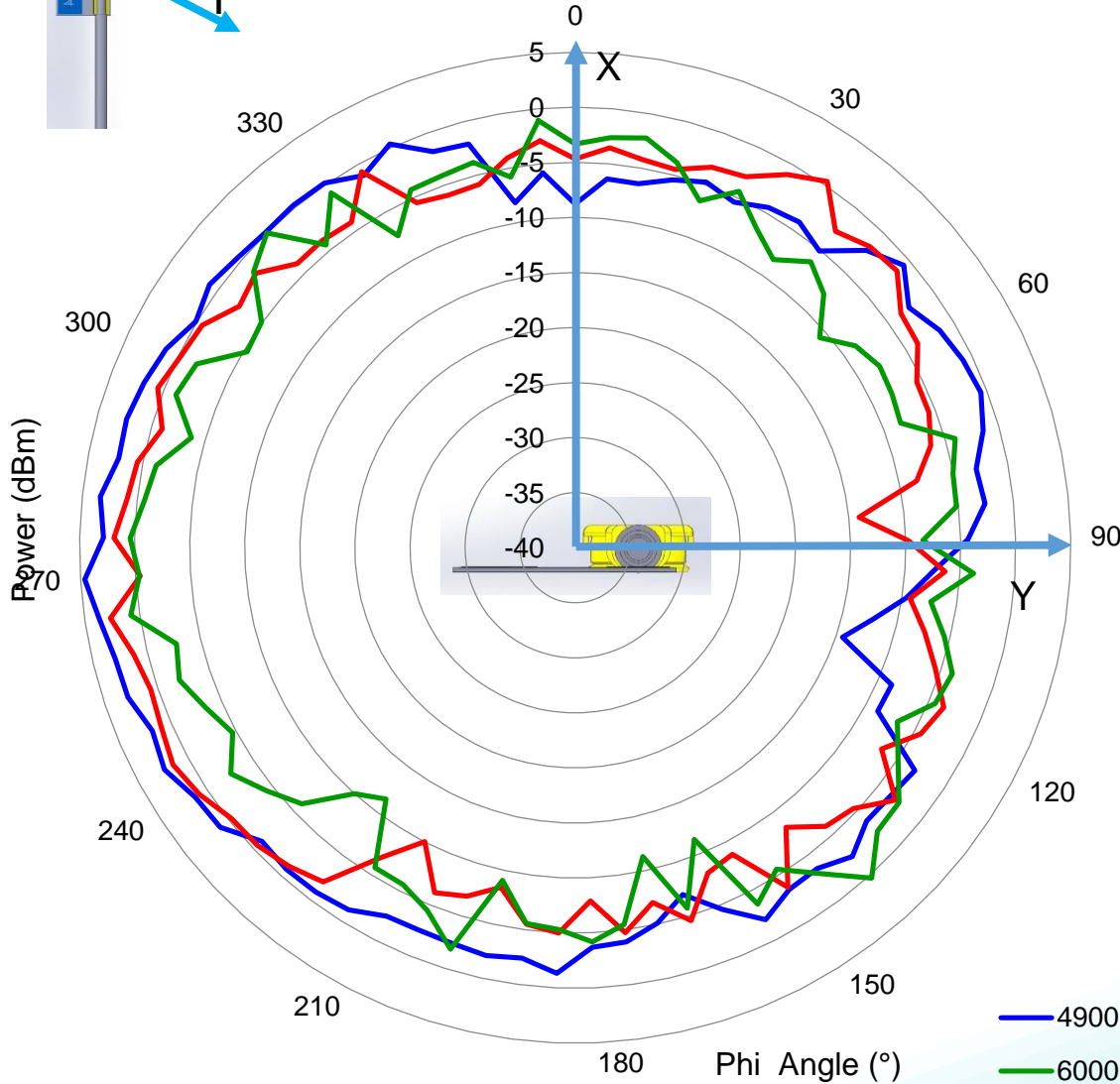
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CHARTS



Gain Plots

XY Plane



4900MHz
Avg (dBi) = -2.39
Peak (dBi) = 4.63
Avg -3 (deg) = 50

5400MHz
Avg (dBi) = -3.80
Peak (dBi) = 2.68
Avg -3 (deg) = 60

6000MHz
Avg (dBi) = -4.68
Peak (dBi) = 0.82
Avg -3 (deg) = 65

— 4900MHz — 5400MHz
— 6000MHz

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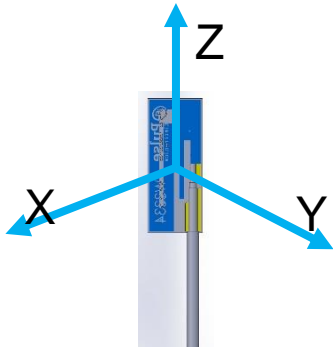


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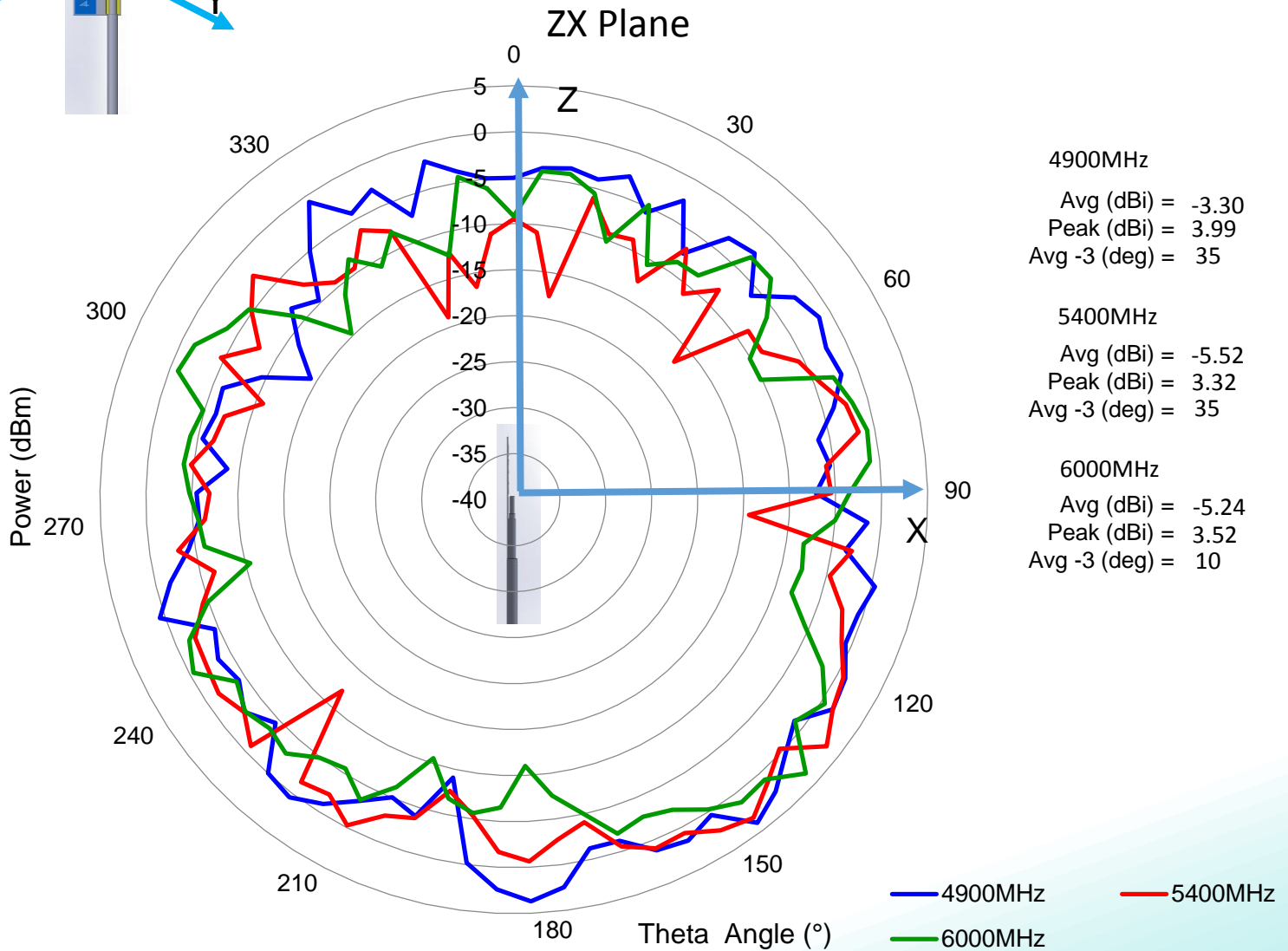
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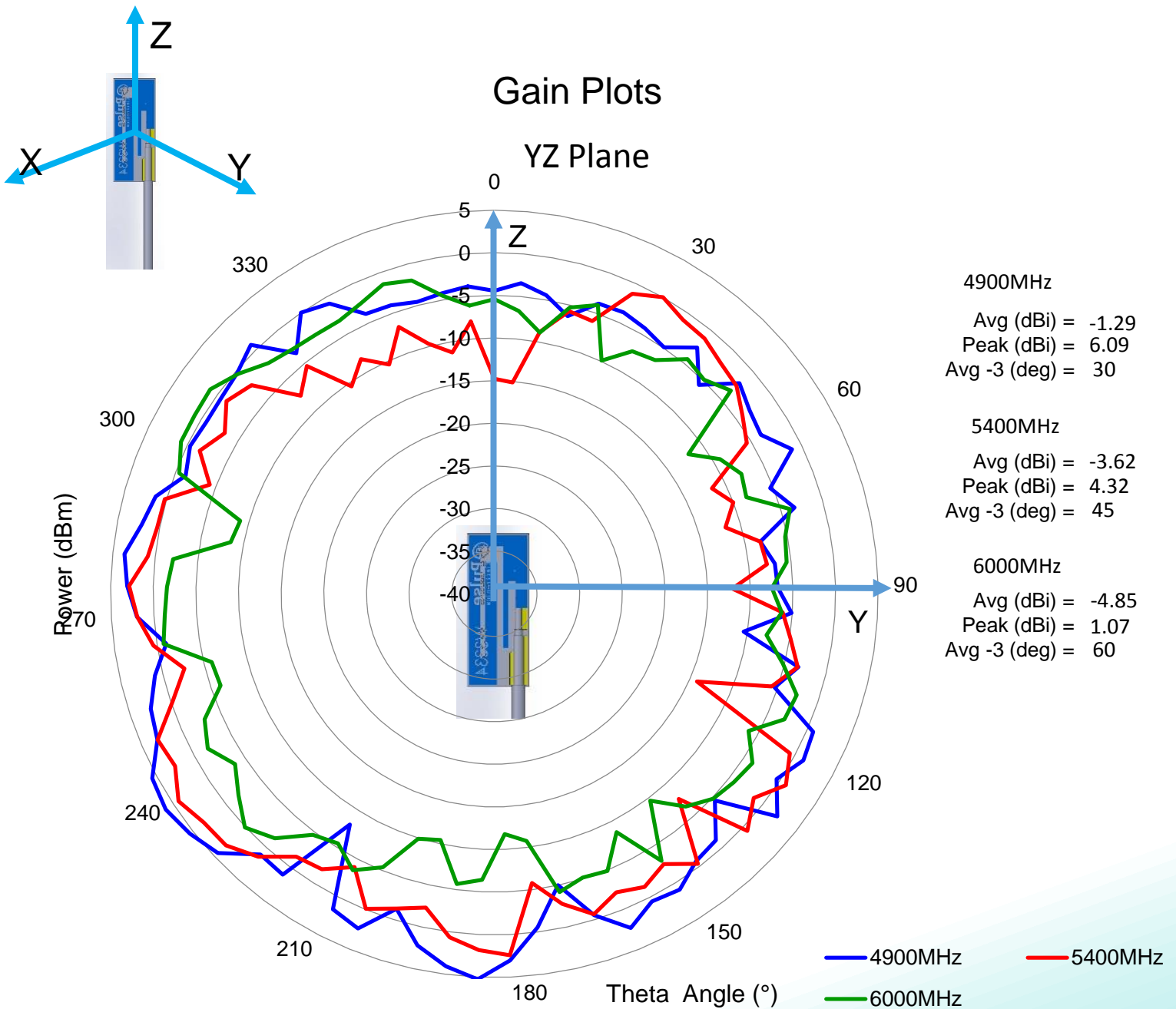


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PACKAGING

10PCS/PE bag
10 PE bag/foam bag
50 foam bag/ carton box

Total 5000PCS/Carton box



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