

Series: 5BAR

**Description:**

**Omni-Directional Public Safety/DAS Antenna**

**380-520/698-2700/3300-3700/4900-6000MHz**

**PART NUMBER: PSDASxx**



**Features:**

- 380-520/698-960/1710-2700/  
3300-3700/4900-6000MHz
- Ceiling mount omni SiSo
- Color RAL9016
- Vertical polarization
- IP67
- Diam 288mm, Height 136mm

**Applications:**

- Public safety
- TETRA
- DAS LTE
- WiFi

All dimensions are in mm / inches

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

Item	Part Number	Description
1	PSDAS4310F	Omni-Directional In-Building Antenna, 380-520/698-2700/3300-3700/4900-6000MHz, with 4.3/10-female connector and 360mm cable. NO PIM requirement.
2	PSDAS4310FP	Omni-Directional In-Building Antenna, 380-520/698-2700/3300-3700/4900-6000MHz, with 4.3/10-female connector and 360mm cable. PIM: -150dBc@2*20W
3	PSDASNF	Omni-Directional In-Building Antenna, 380-520/698-2700/3300-3700/4900-6000MHz, with N-female connector and 360mm cable. NO PIM requirement.
4	PSDASNFP	Omni-Directional In-Building Antenna, 380-520/698-2700/3300-3700/4900-6000MHz, with N-female connector and 360mm cable. PIM: -150dBc@2*20W

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## ELECTRICAL SPECIFICATIONS

Frequency	380-520/698-2700/3300-3700/4900-6000MHz	
Nominal Impedance	50	$\Omega$
VSWR(380-520MHz)	2.5:1	
VSWR(698-2700/3300-3700/4900-6000MHz)	2.0:1	
Average Efficiency(380-520MHz)	77	%
Average Efficiency(698-960MHz)	87	%
Average Efficiency(1710-2700MHz)	85	%
Average Efficiency(3300-3700MHz)	89	%
Average Efficiency(4900-6000MHz)	87	%
Peak Gain (380-520MHz)	3.6	dBi +/- 1 dB
Peak Gain (698-960MHz)	3.4	dBi +/- 1 dB
Peak Gain (1710-2700MHz)	7.1	dBi +/- 1 dB
Peak Gain (3300-3700MHz)	6.1	dBi +/- 1 dB
Peak Gain (4900-6000MHz)	5.8	dBi +/- 1 dB
Polarization:	linear	

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Plastic radome	ABS, UV resistant
Color	RAL9016
Ingress Protection	IP67
Weight	0.93kg
Size	Diam 288 x Height 136mm
Cable length	360mm
Connector type	N-female or 4.3/10-female
Flammability rating	UL94-V0
Mounting type	Ceiling mount

**ENVIRONMENTAL SPECIFICATIONS**

Operating temperature	-40/+60 ° C
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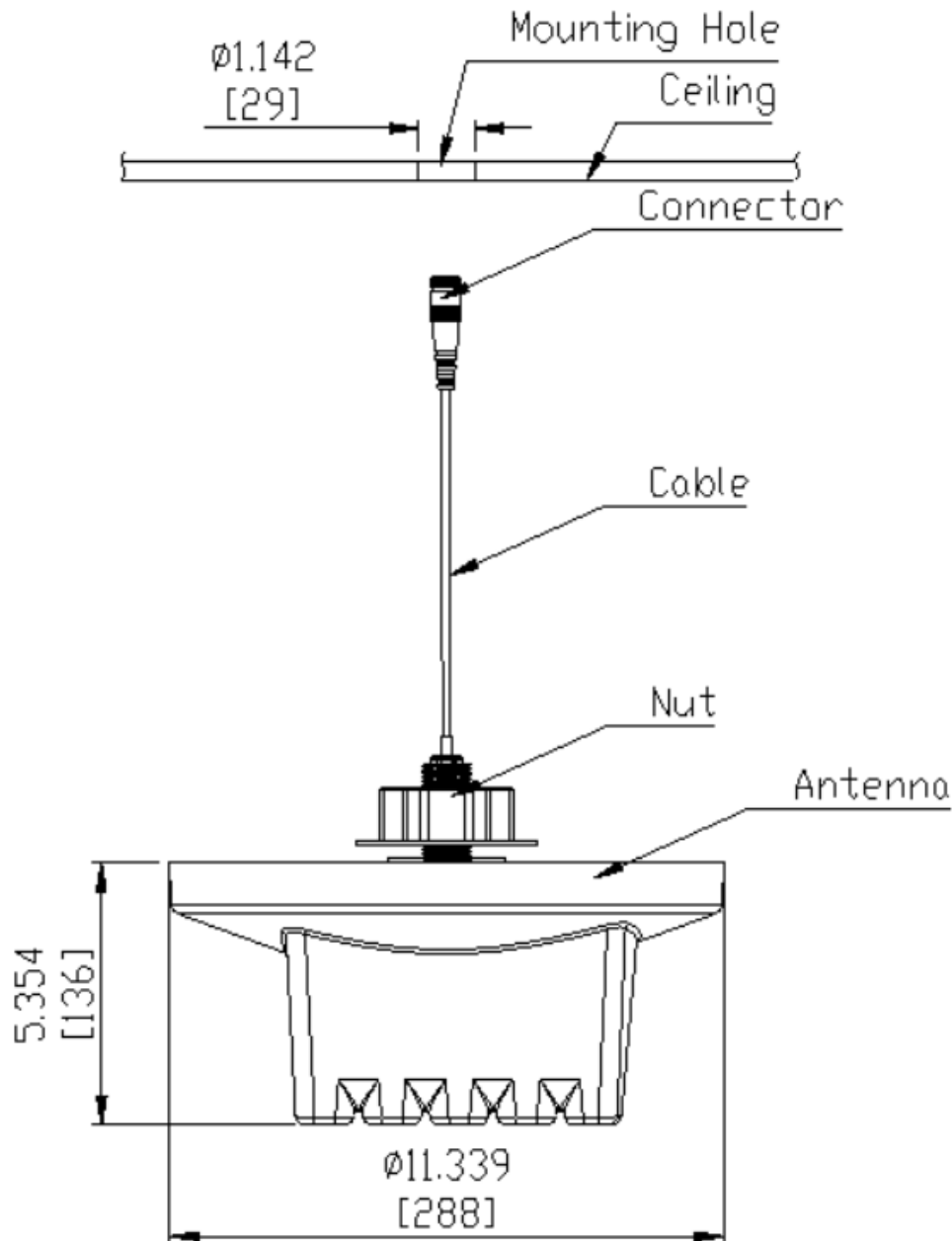
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## MECHANICAL DRAWING



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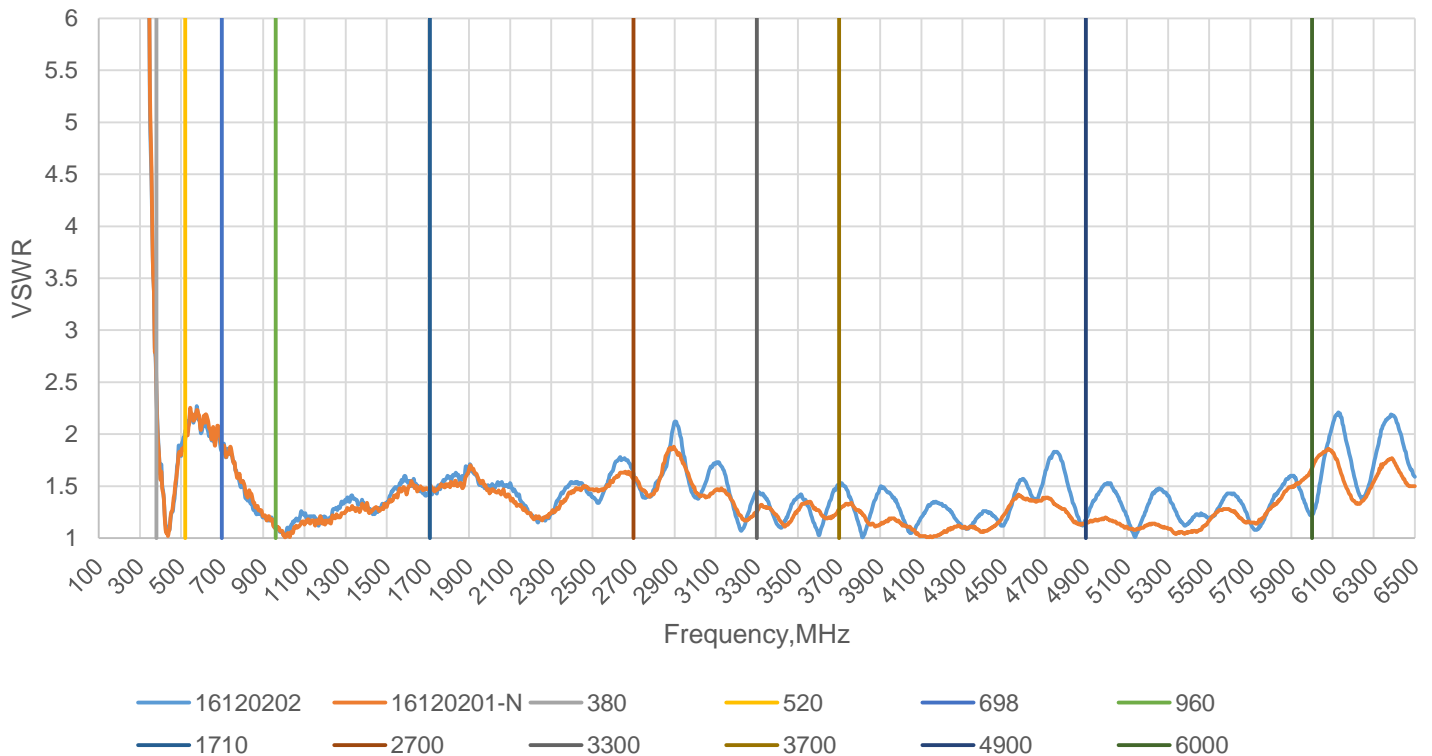
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**CHARTS**

**VSWR**

VSWR vs Frequency measured in free space



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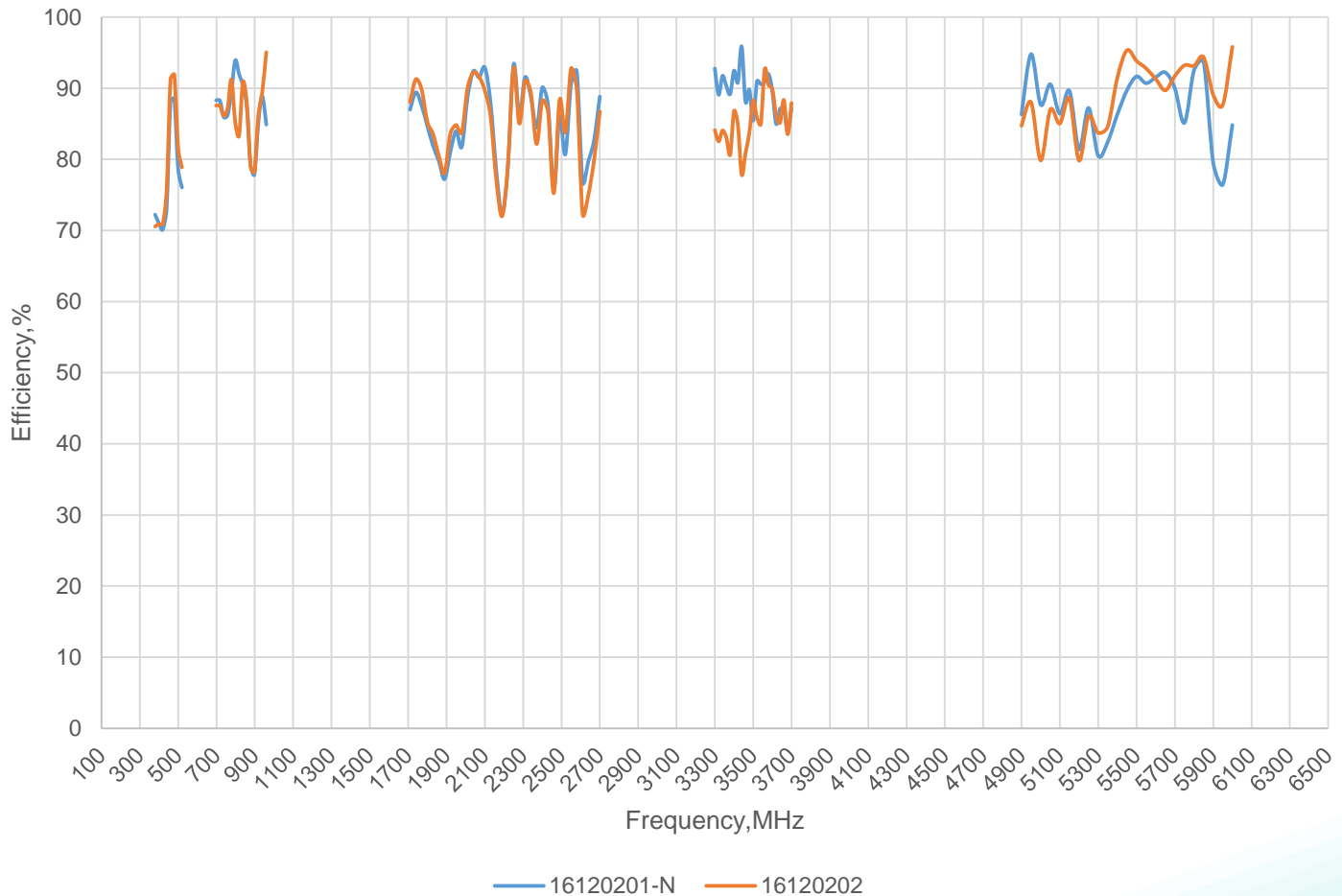
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**CHARTS**

**Efficiency**

Efficiency vs Frequency measured in free space



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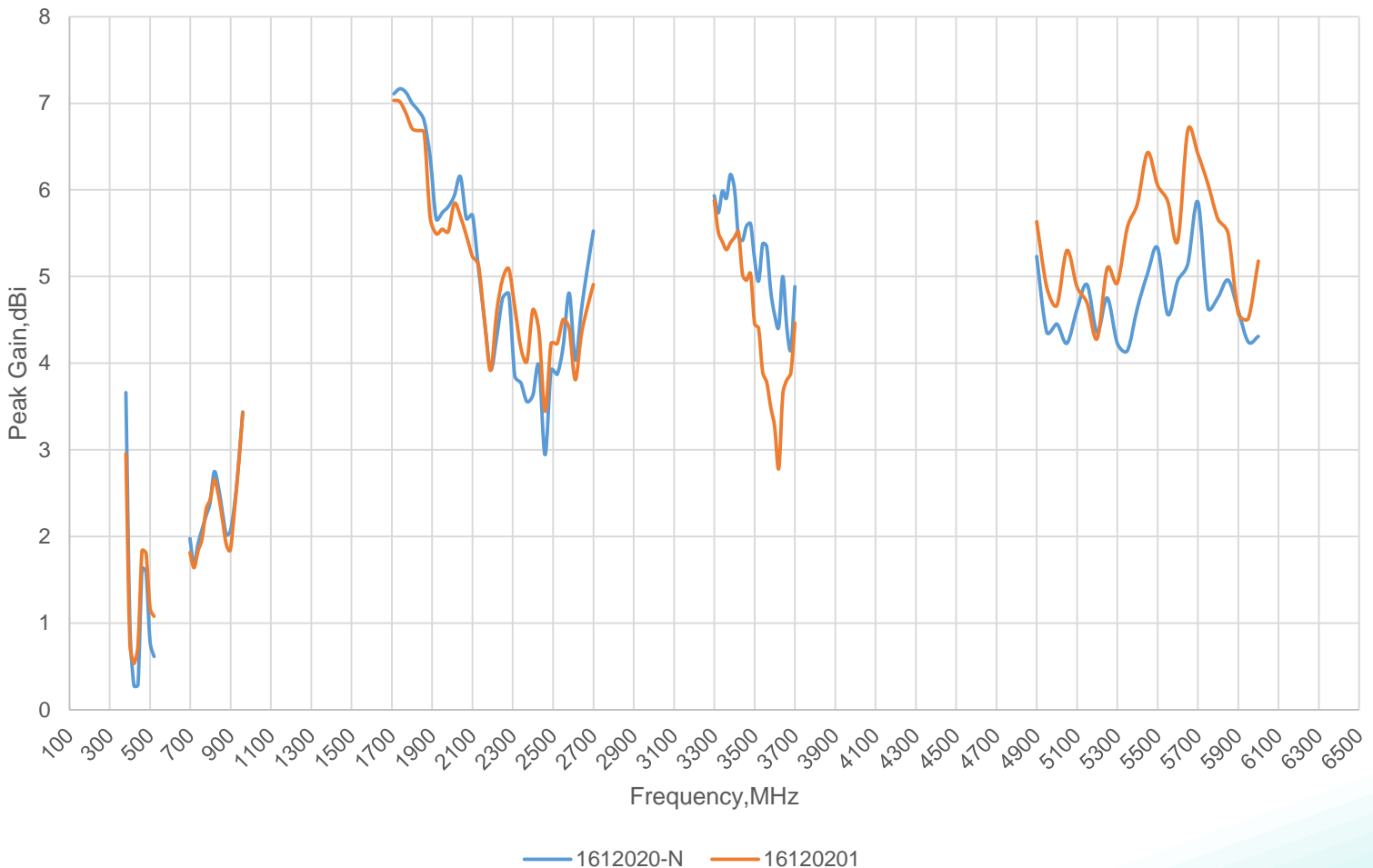
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CHARTS

Peak Gain

Peak Gain vs Frequency measured in free space



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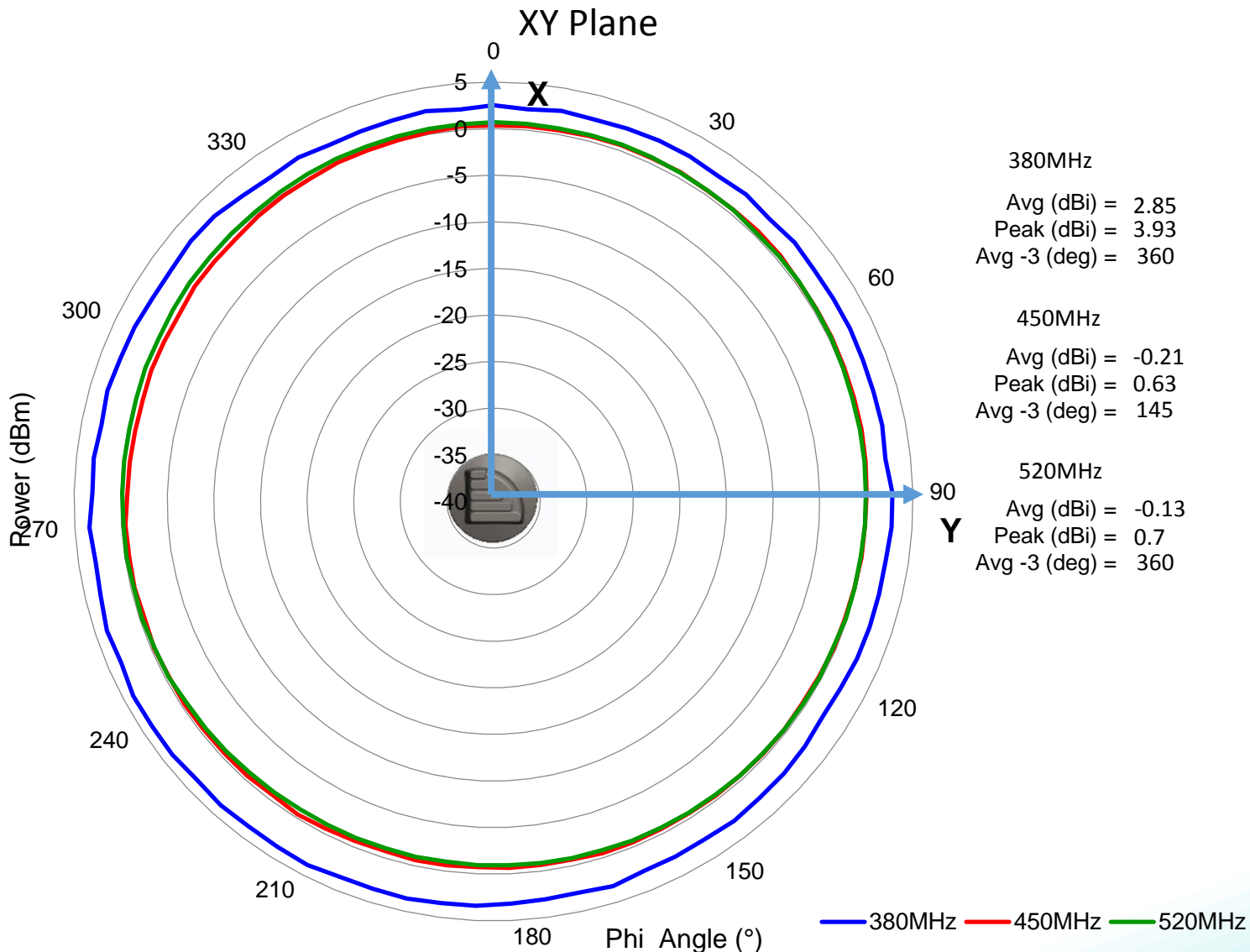
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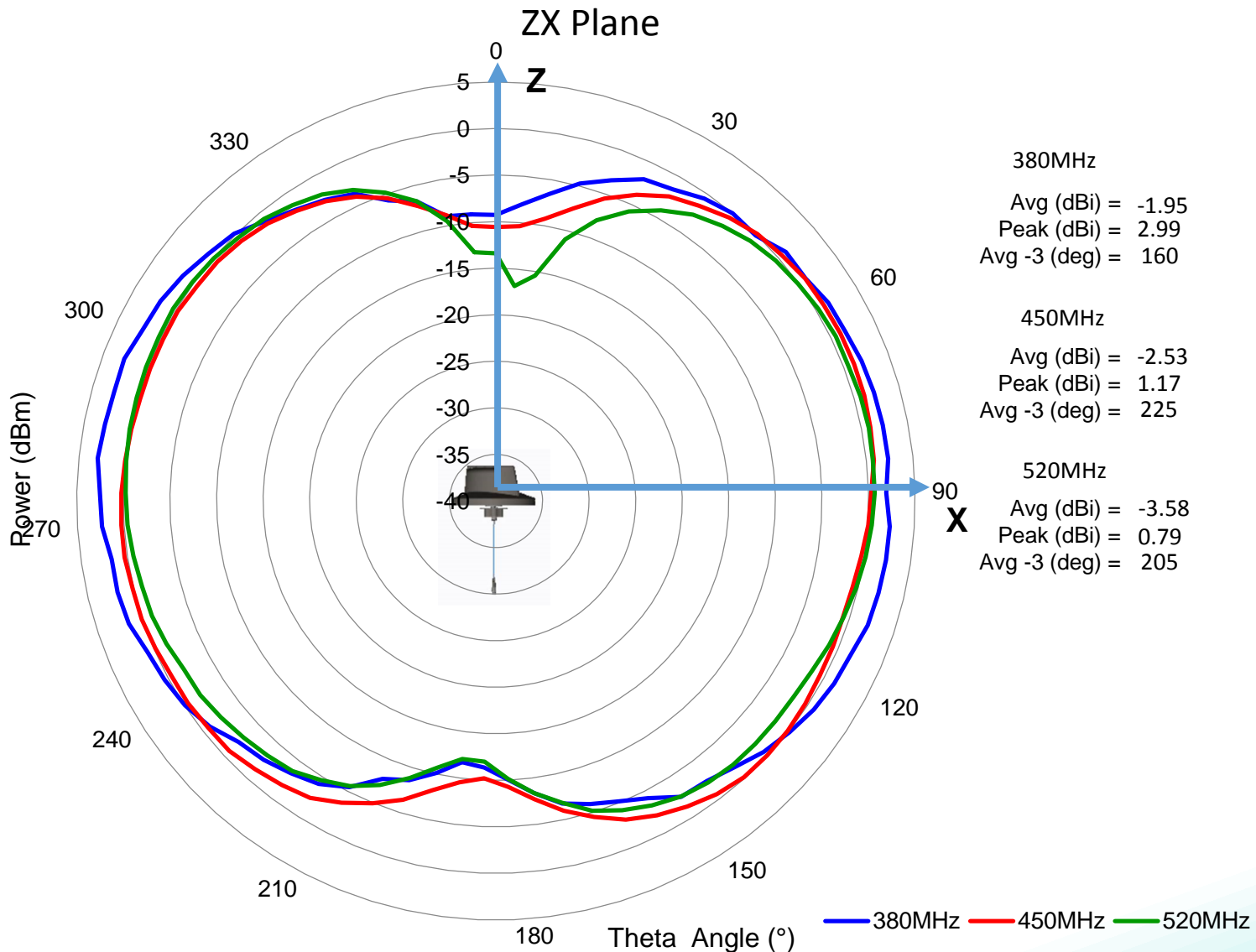
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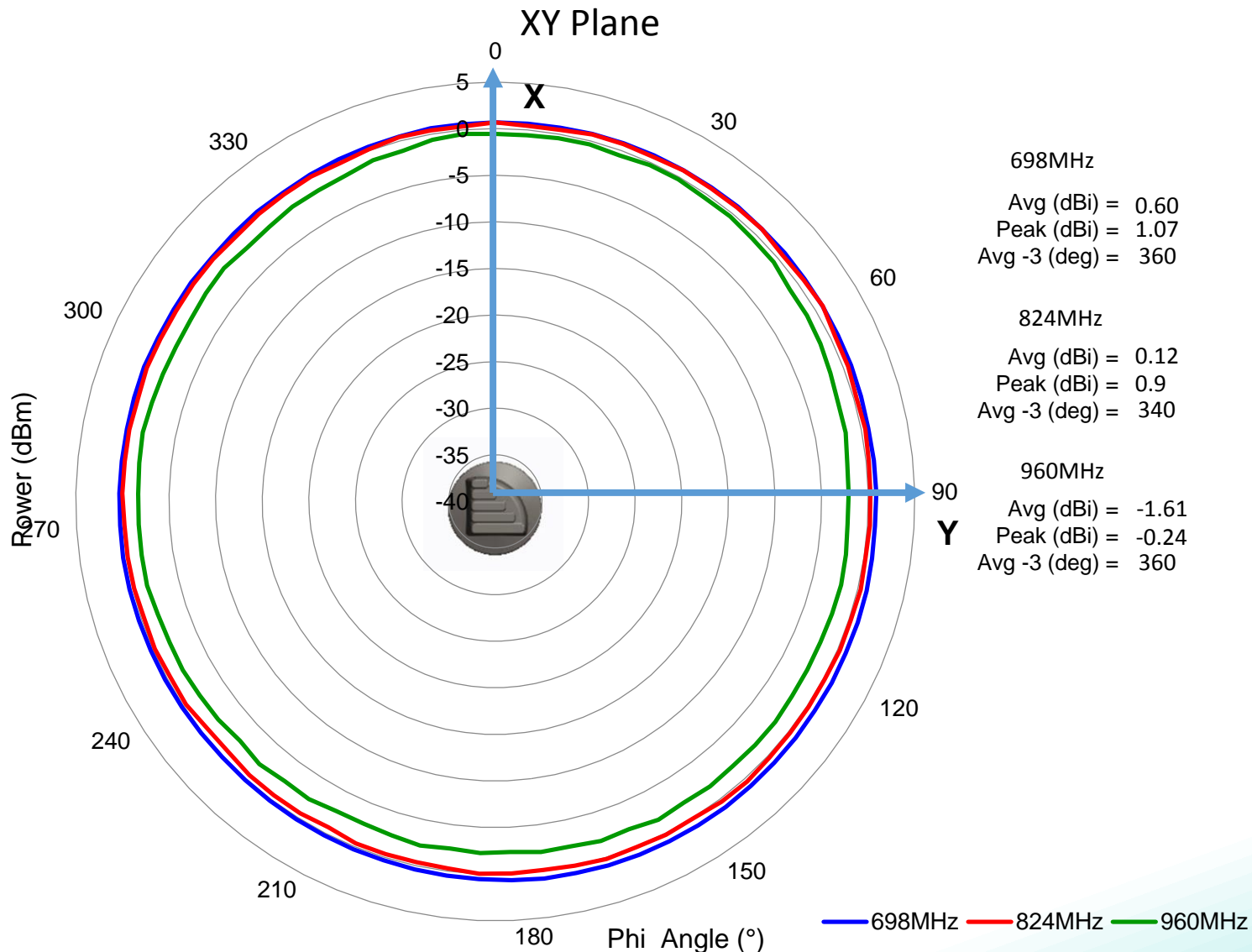
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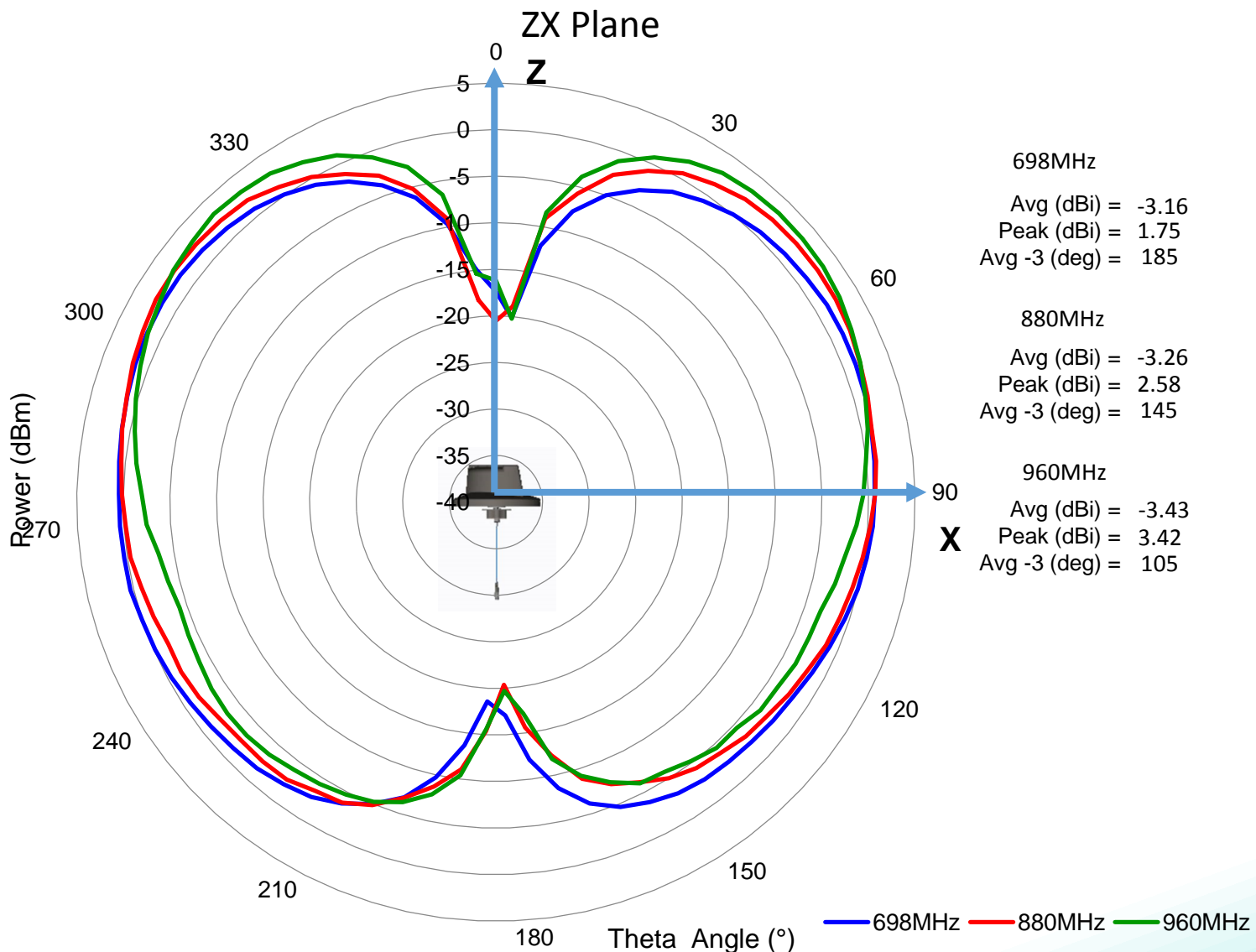
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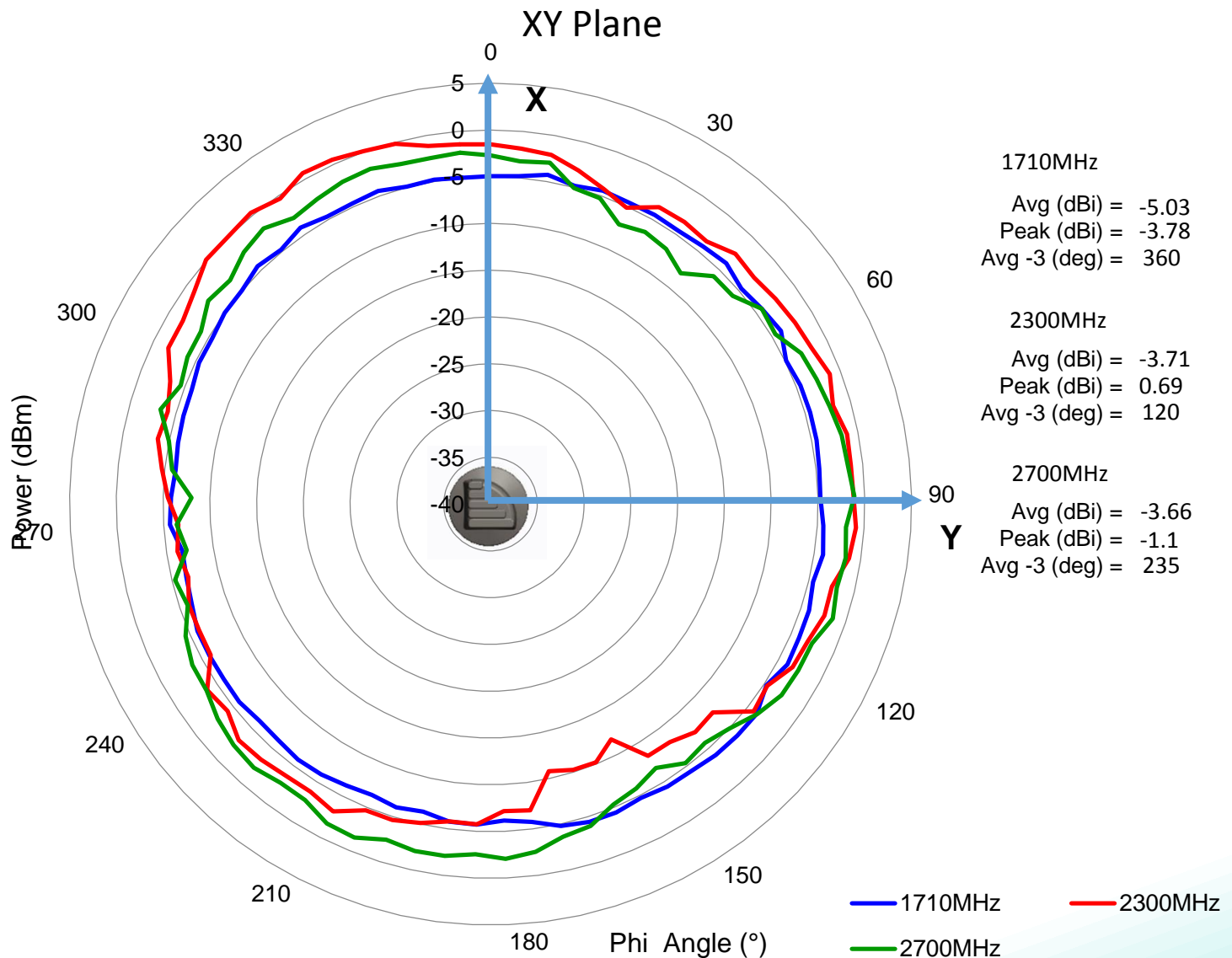
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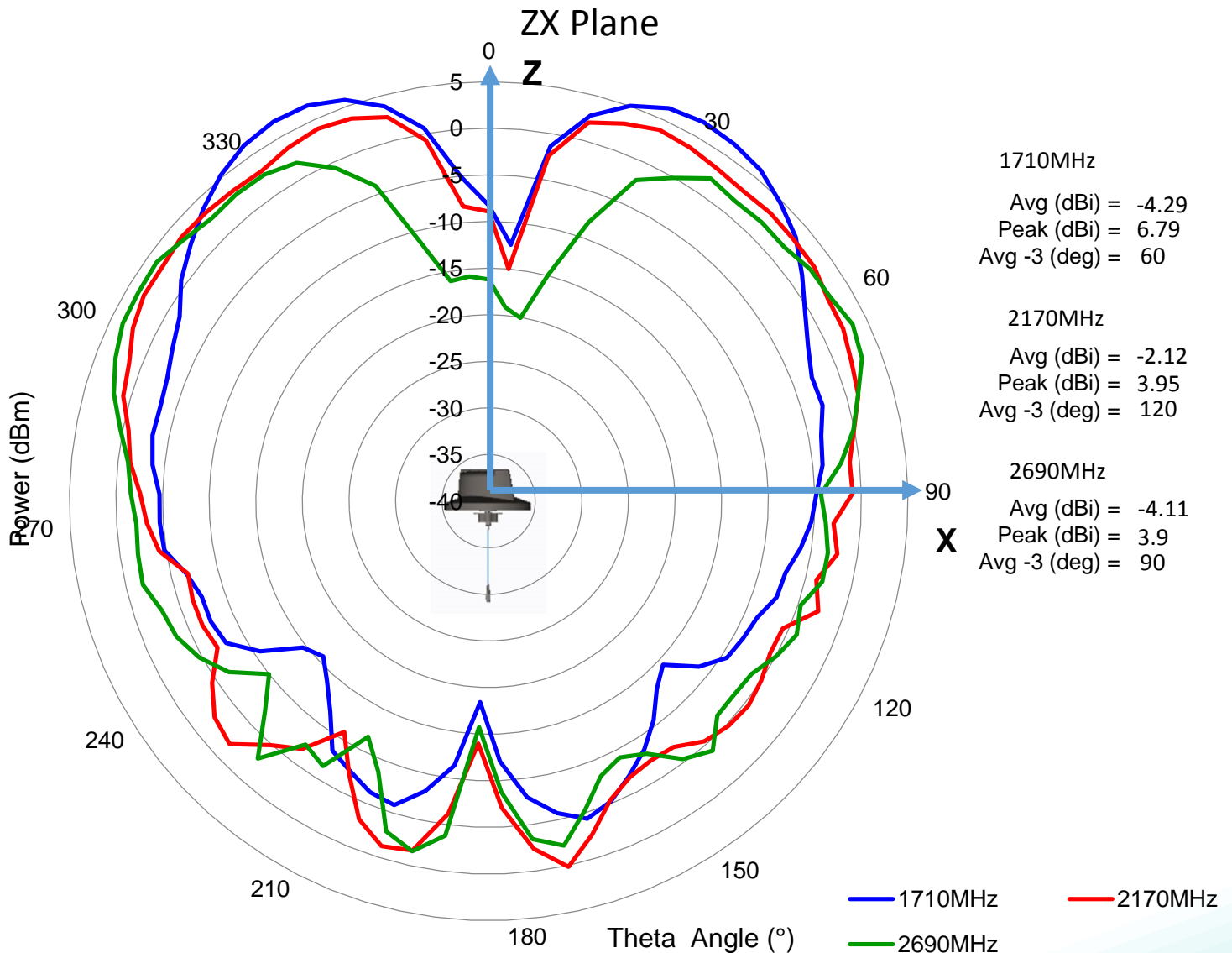
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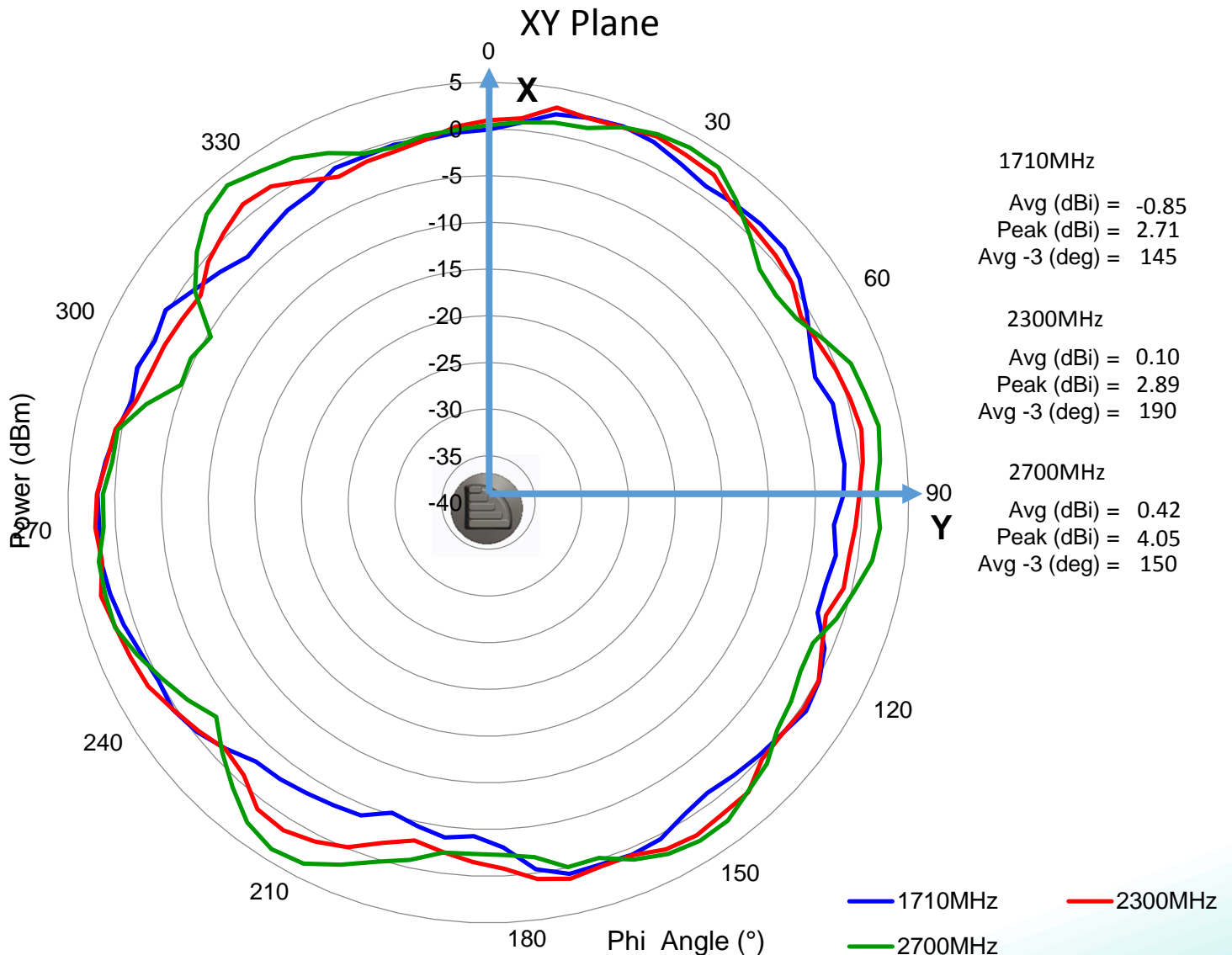
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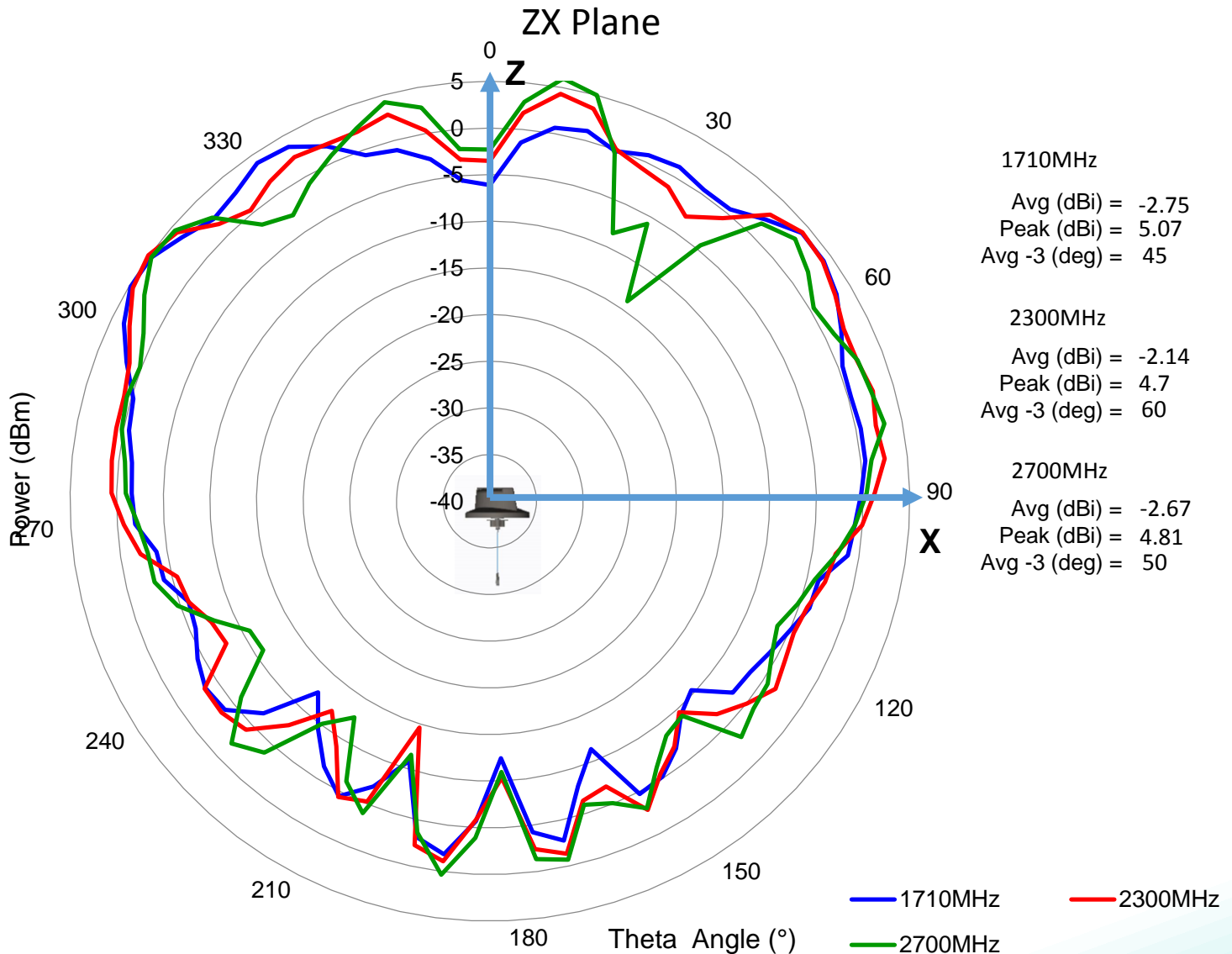
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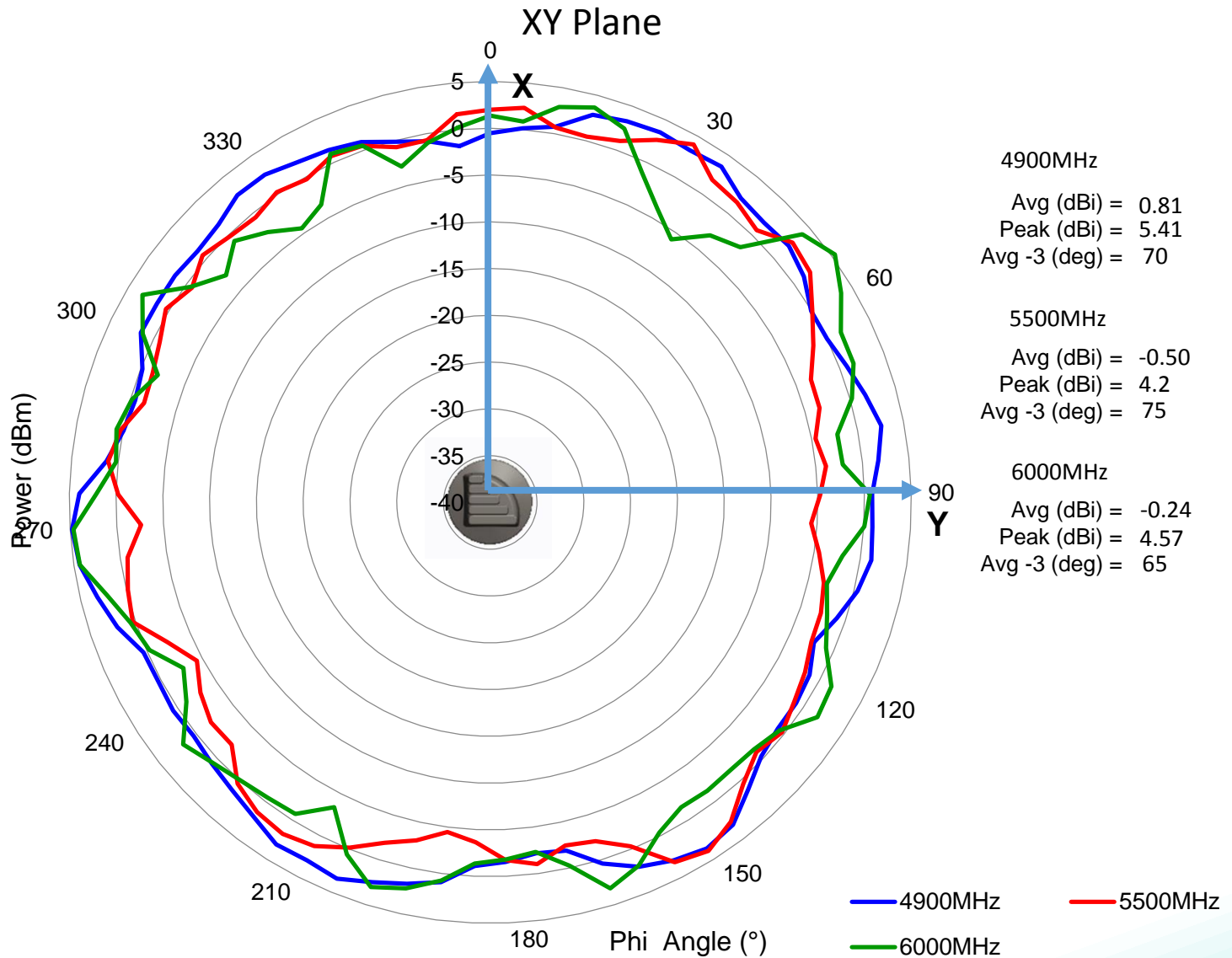
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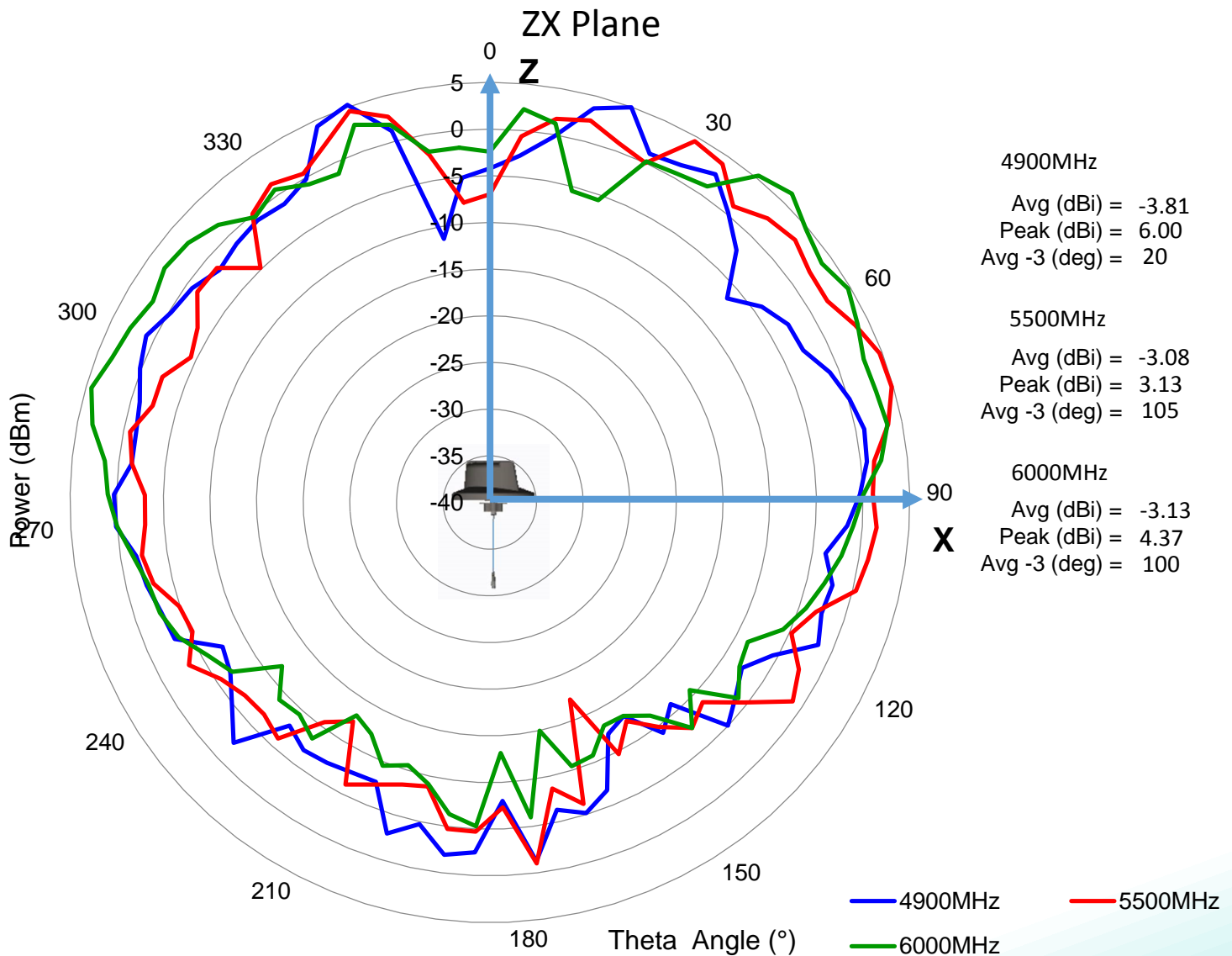
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## PACKAGING

Pack 1 Antenna in 1 Small Box, 4 Small Box pack into 1 Master Box

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