

Series: Jaguar

Description: 3G/4G LTE 2xMiMo Vehicular Antenna

PART NUMBER: W1919

Features:

- 698-960/1710-3800MHz
- Extremely compact size LTE MiMo Antenna
 - 78.2 x 78.2 x 30.3mm
- Standard cable length 3m with SMA Male connectors
- IP67
- Mounting with adhesive tape

Applications:

- Indoor and outdoor use
- 2G/3G/4G radios
- 2xLTE MiMo
- 3G Main + Diversity
- Vehicular, Telematics, Transportation
- Cellular access points



All dimensions are in mm / inches

Issue: 1748P

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For more information:

Pulse Worldwide Headquarters
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

Preliminary



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ELECTRICAL SPECIFICATIONS

| | |
|--------------------|--|
| Frequency | 698-960 MHz / 1710-2690MHz/3400-3800MHz |
| Nominal Impedance | 50 Ω |
| Return Loss | -10 dB |
| Isolation | -15 dB |
| Radiation Pattern | Omni |
| Gain | -0.42dBi @698-960MHz 1.77dBi @1710-2690MHz 1.76dBi @3400-3800MHz |
| Polarization | Vertical |
| Power Withstanding | 5W |

MECHANICAL SPECIFICATIONS

| | |
|--------------------------|--------------|
| Overall Length | 78.2mm |
| Weight | 142g |
| Antenna Color / Material | Black, PC |
| Connector type | SMA Male |
| Cable type | RG174, Black |
| Cable length | 3000mm |

ENVIRONMENTAL SPECIFICATIONS

| | |
|-----------------------|--------------|
| Operating Temperature | -40 ~ +85° C |
| Storage Temperature | -40 ~ +85° C |
| Ingress Protection | IP67 |
| RoHS Compliant | Yes |

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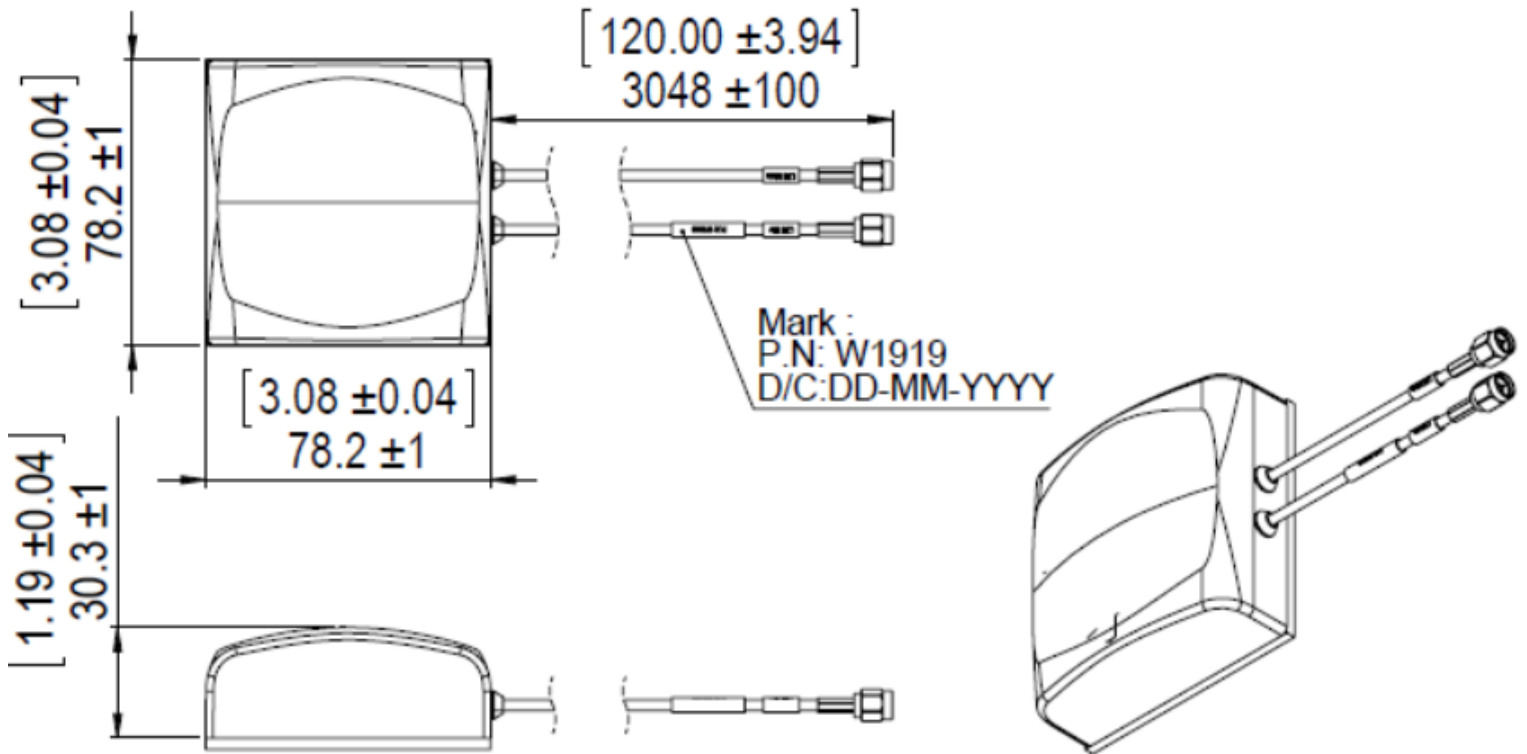


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MECHANICAL DRAWING



| Part NO. | CABLE LENGTH | LTE Main Cable | LTE Div Cable | APPEARANCE COLOR | MOUNTING |
|----------|--------------|----------------|----------------|------------------|----------------|
| W1919 | 3M(118.11") | RG174+SMA Male | RG174+SMA Male | Black | Adhesive Mount |

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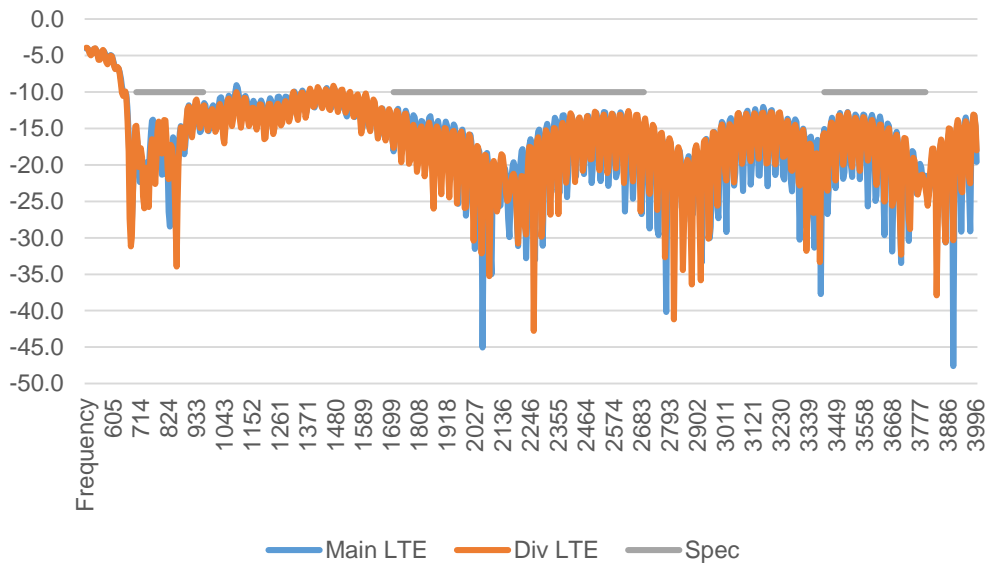
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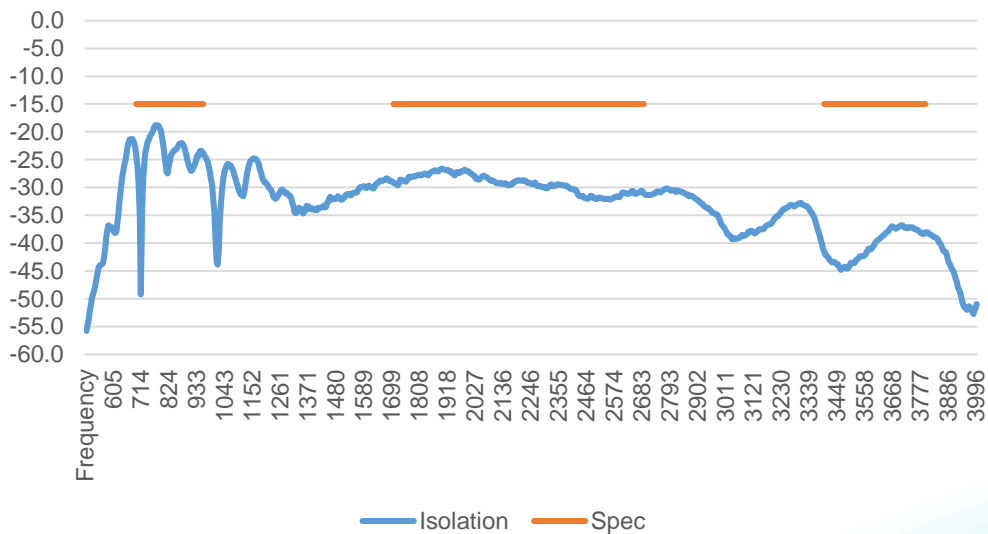
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CHARTS

Return Loss



Isolation



Note : Antenna measured with 10ft cable

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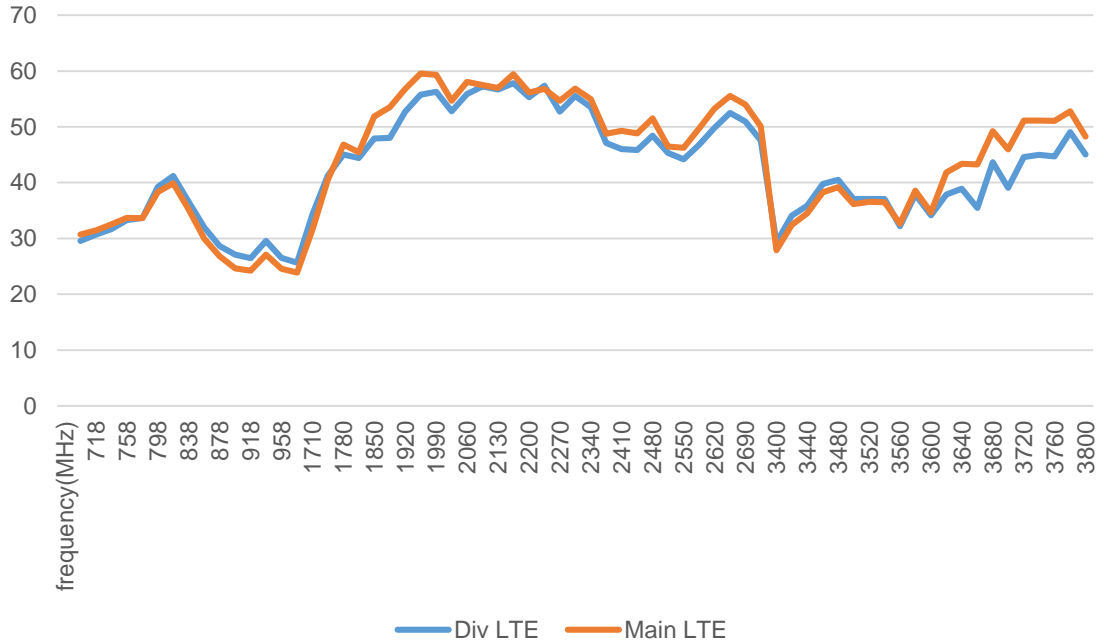
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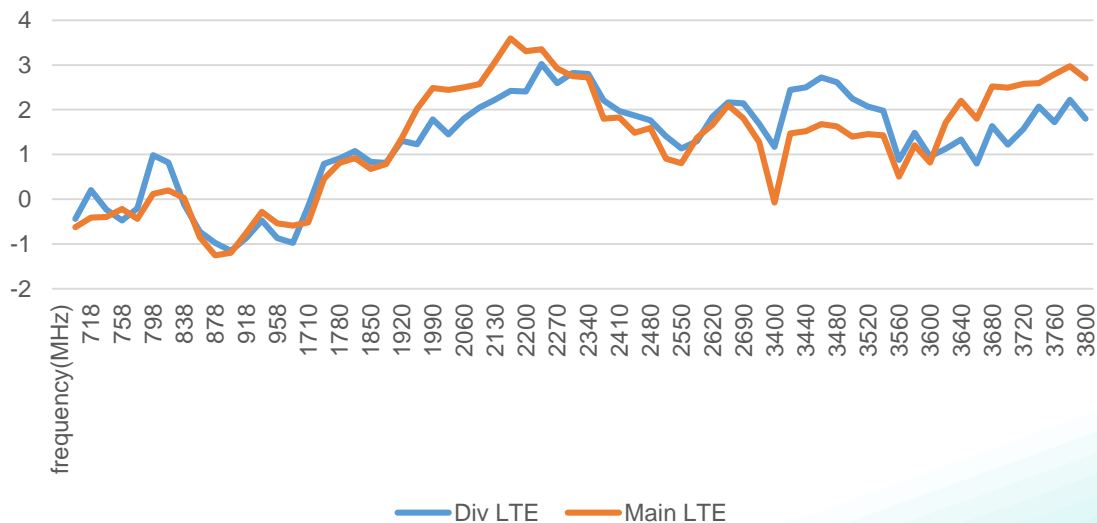
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CHARTS

Efficiency(%)



Peak Gain(dBi)



Note : Antenna measured in free space with 150mm cable

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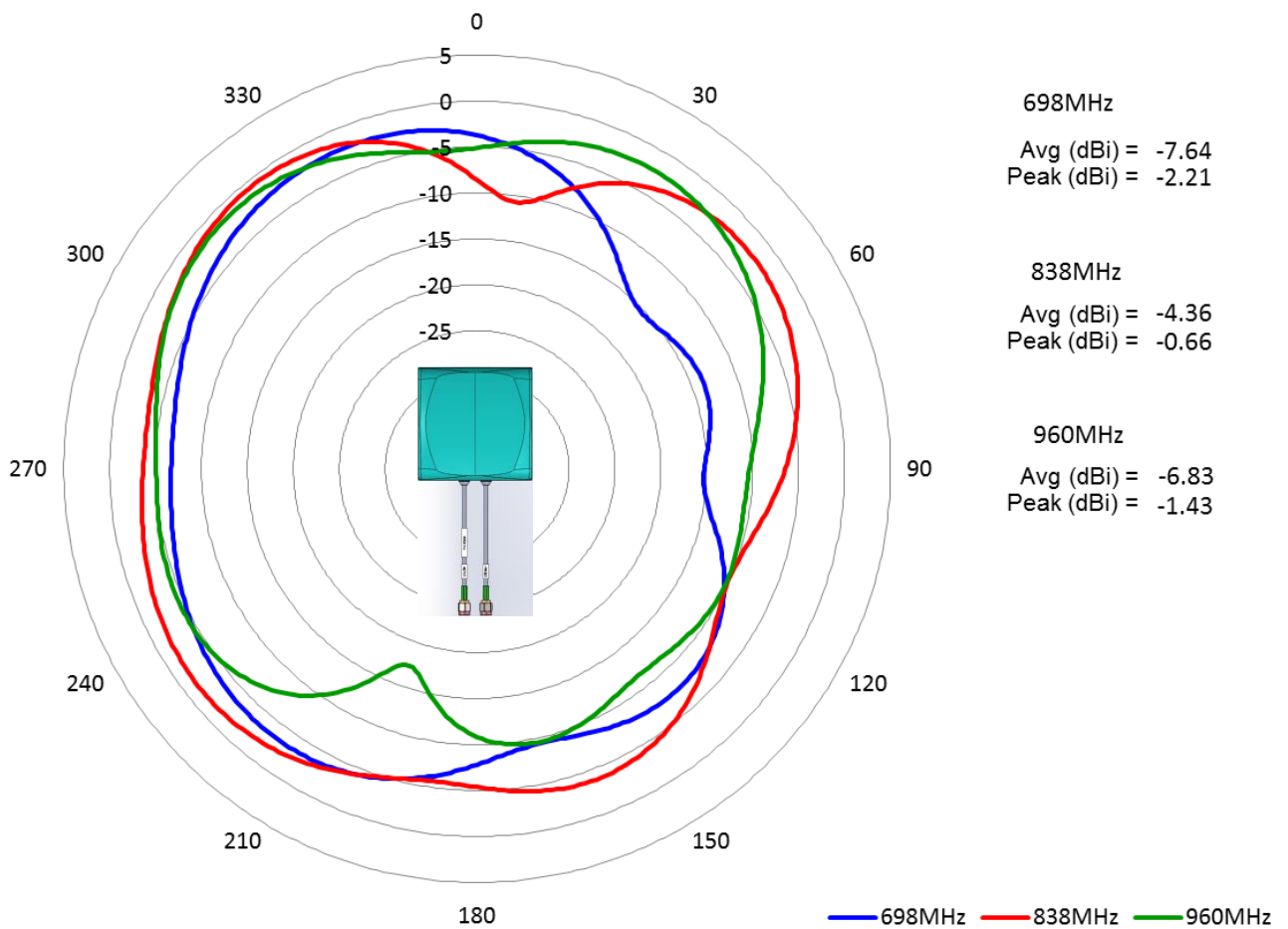
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CHARTS

Gain Plots (Main LTE)

XY Plane



Note : Antenna measured in free space with 150mm cable

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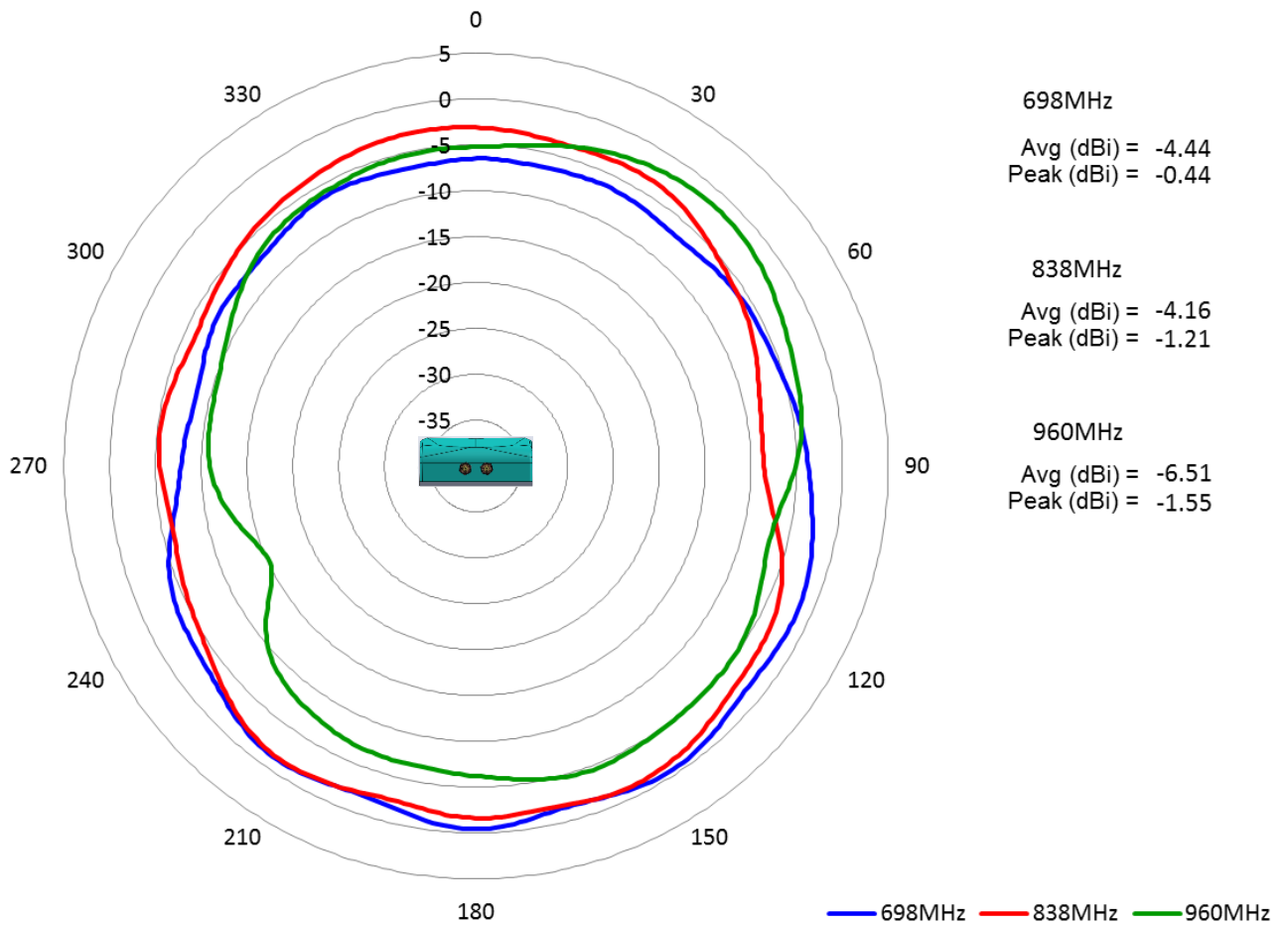
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CHARTS

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ZX Plane



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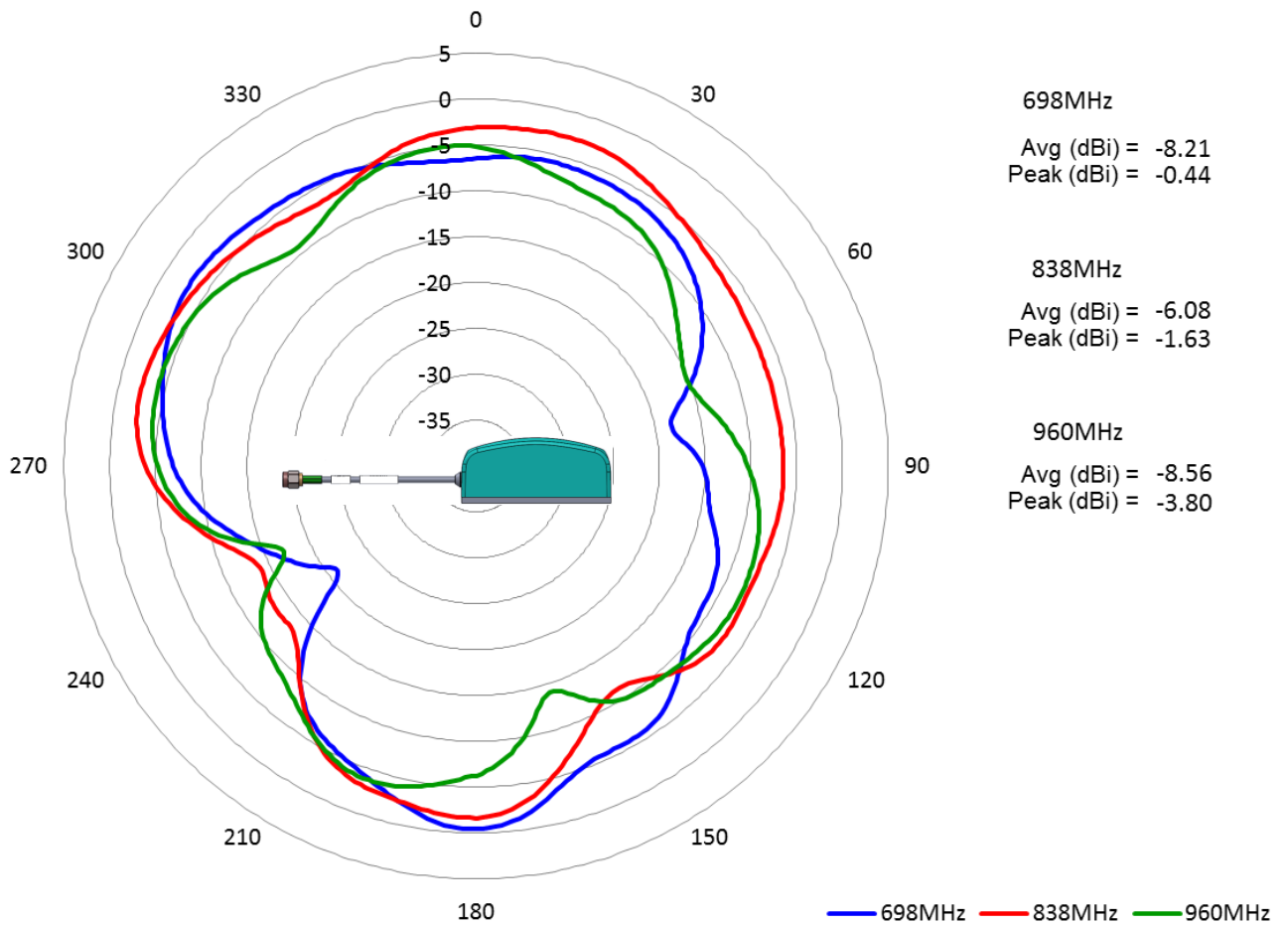
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CHARTS

Gain Plots (Main LTE)

ZY Plane



Note : Antenna measured in free space with 150mm cable

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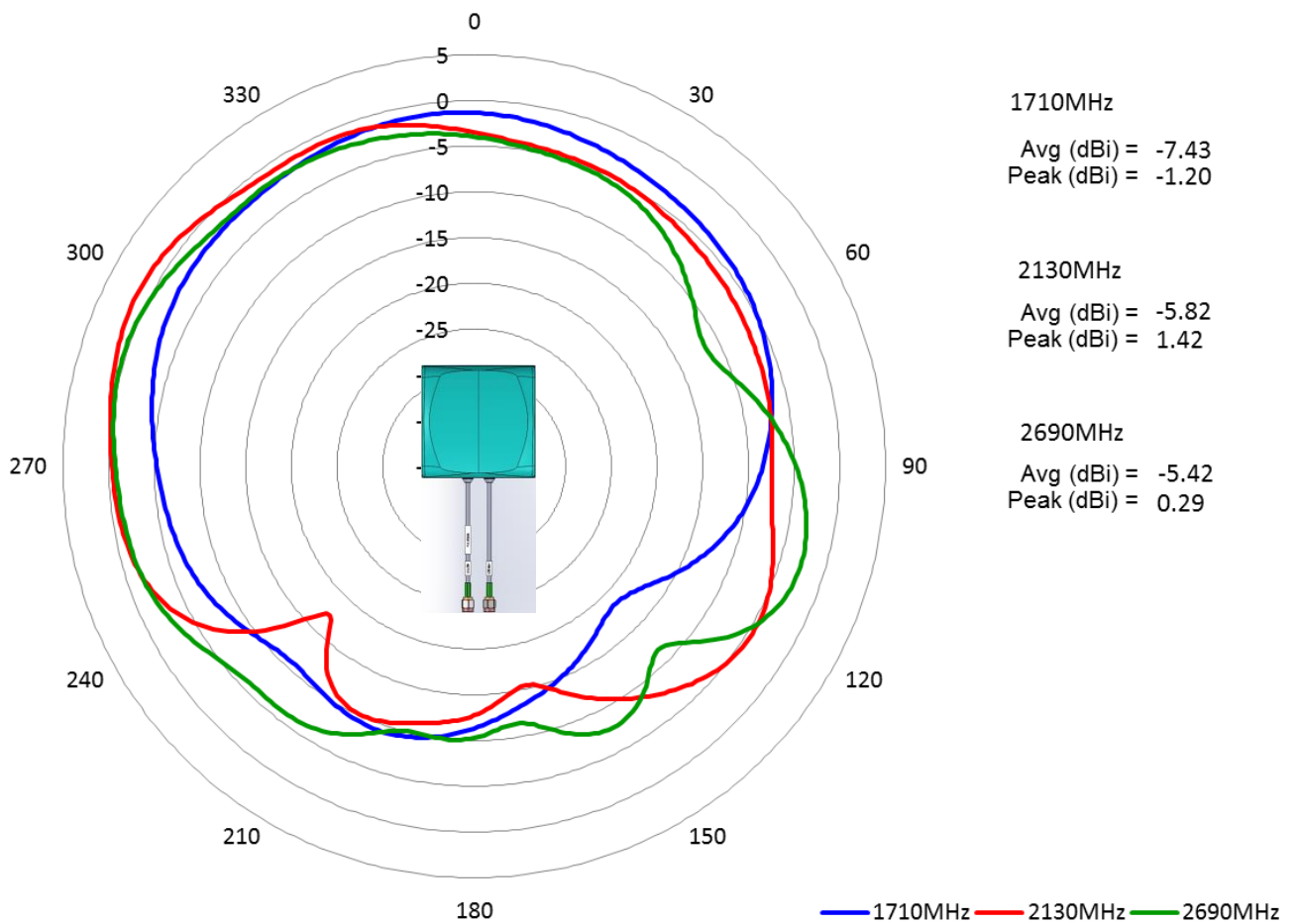
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CHARTS

Gain Plots (Main LTE)

XY Plane



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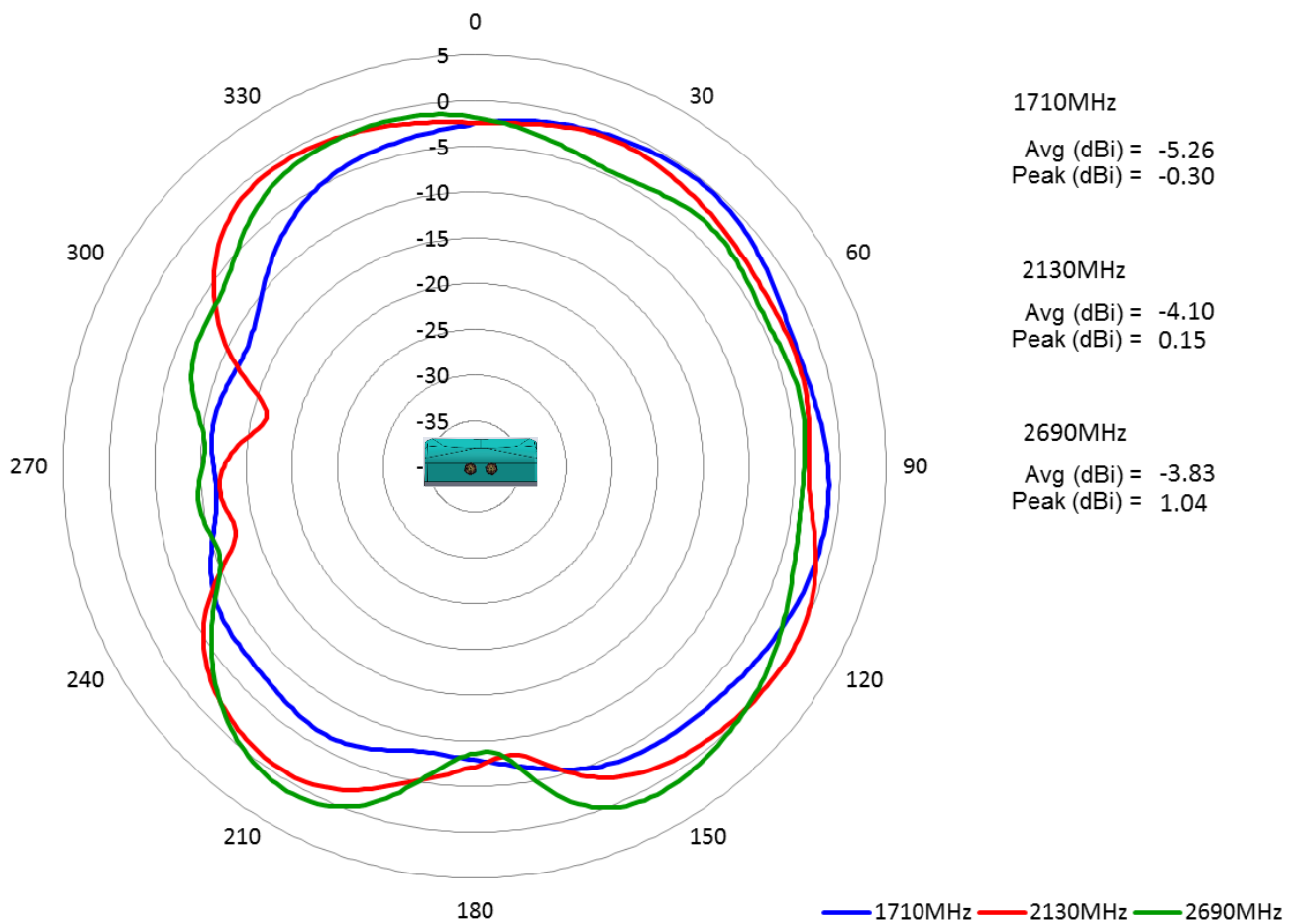
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Gain Plots (Main LTE)

ZX Plane



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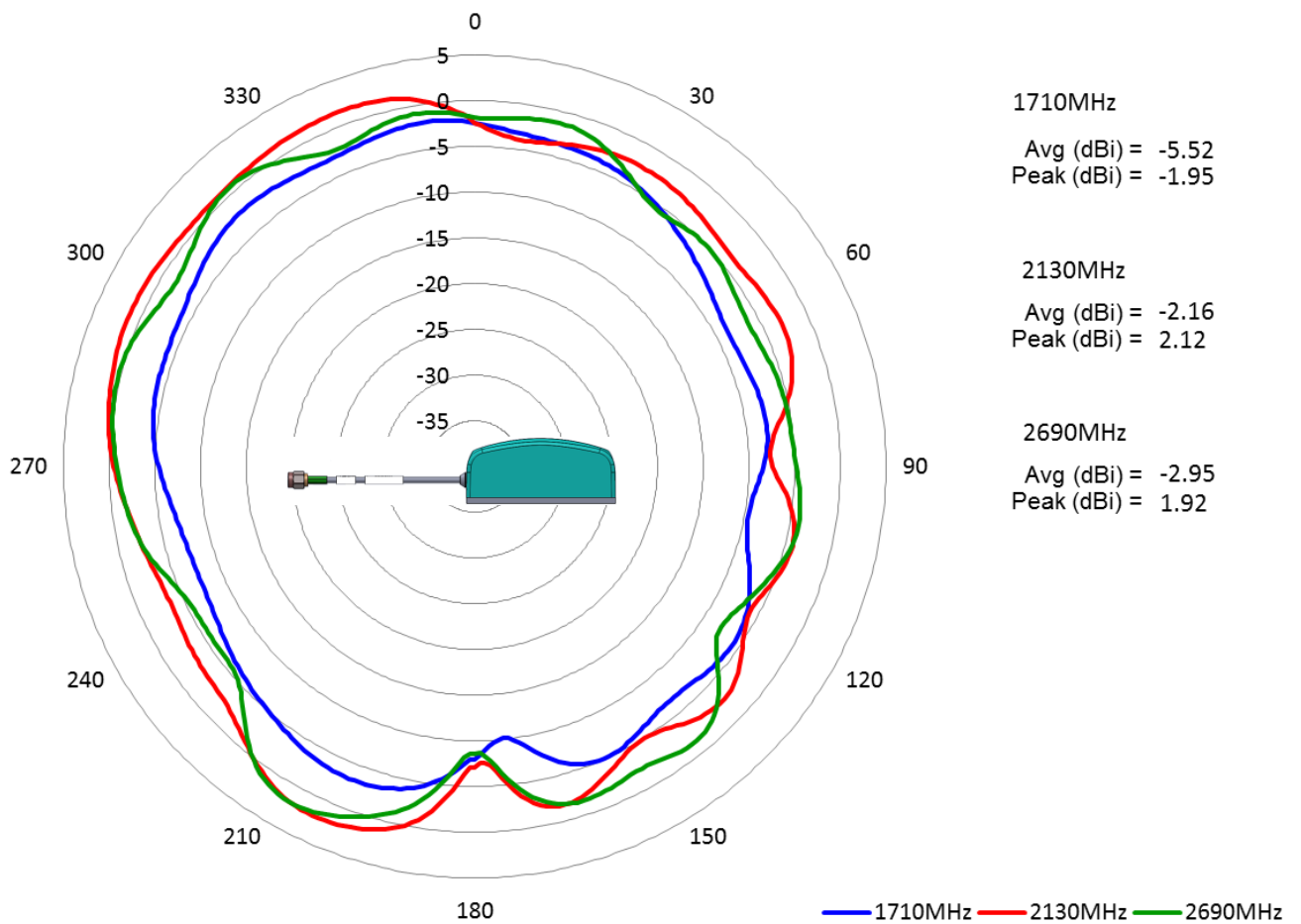
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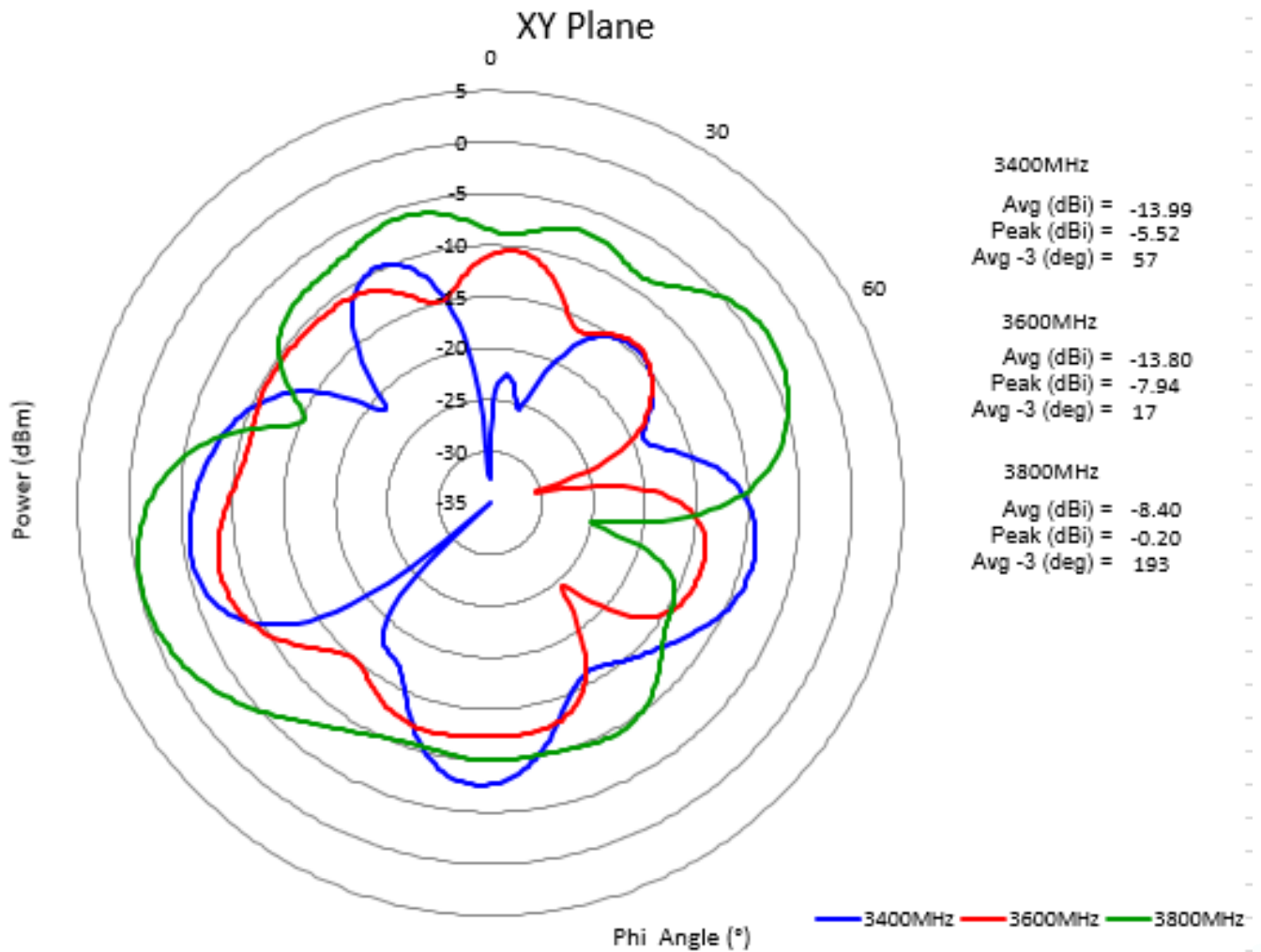
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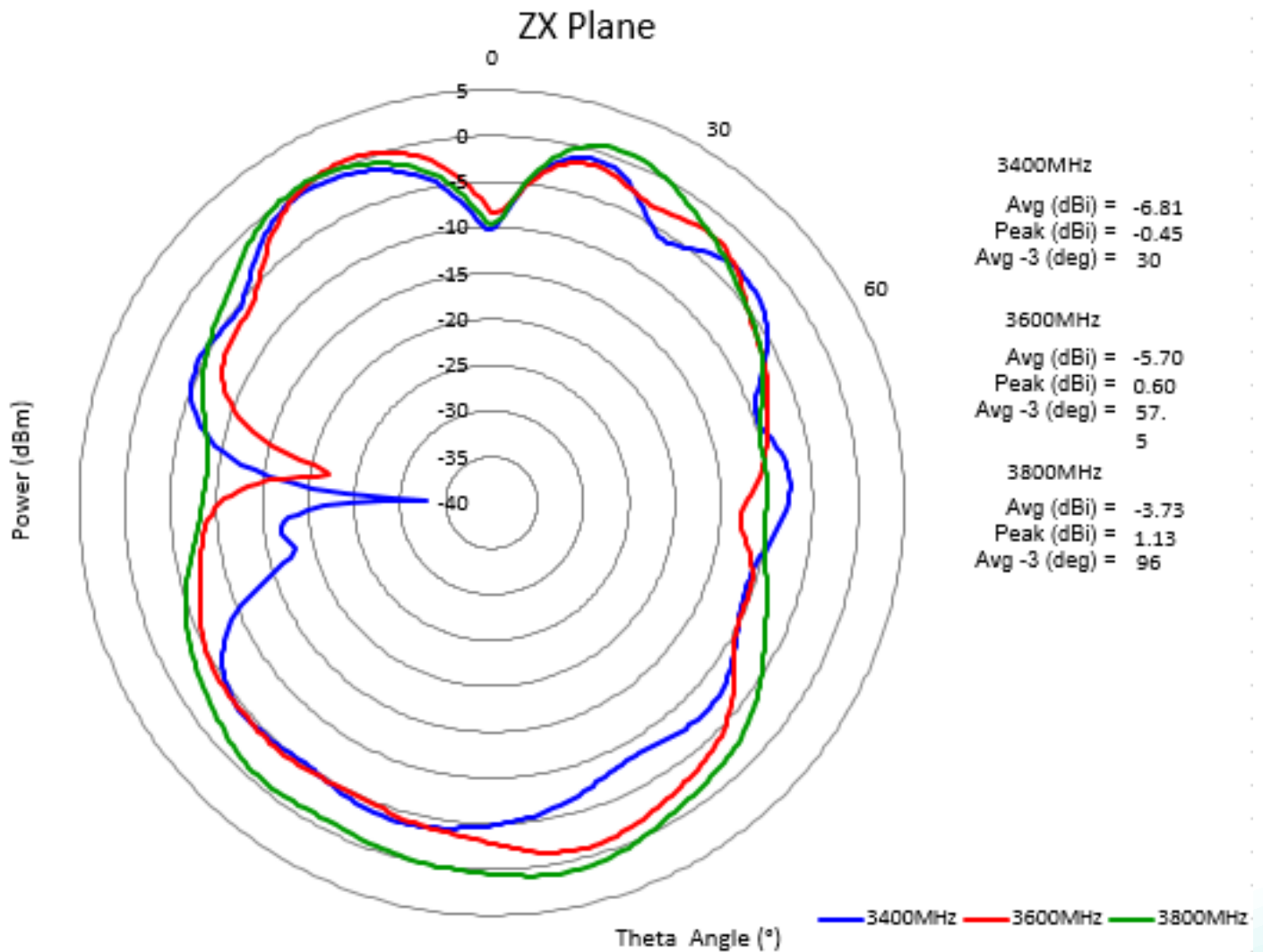
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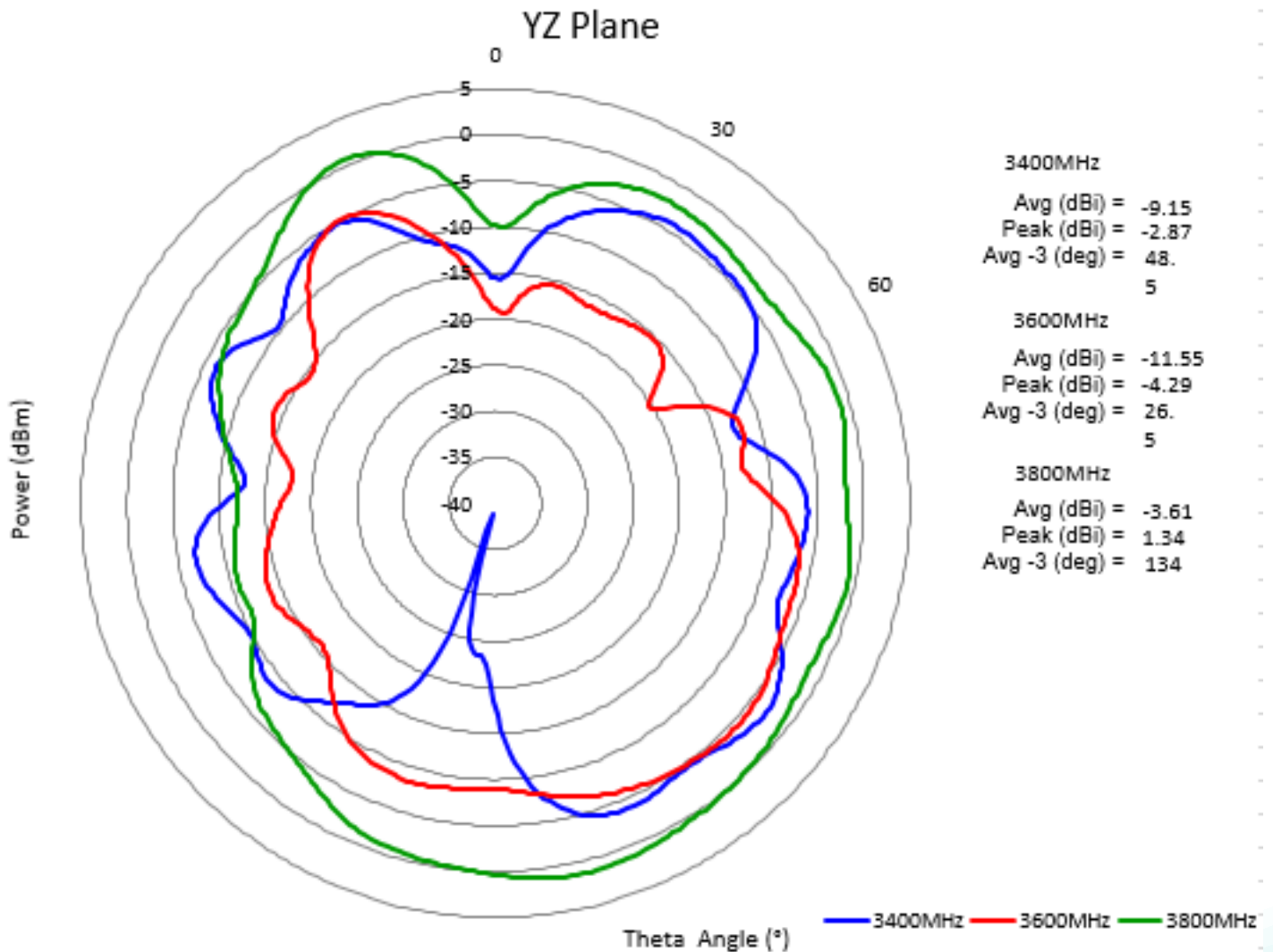
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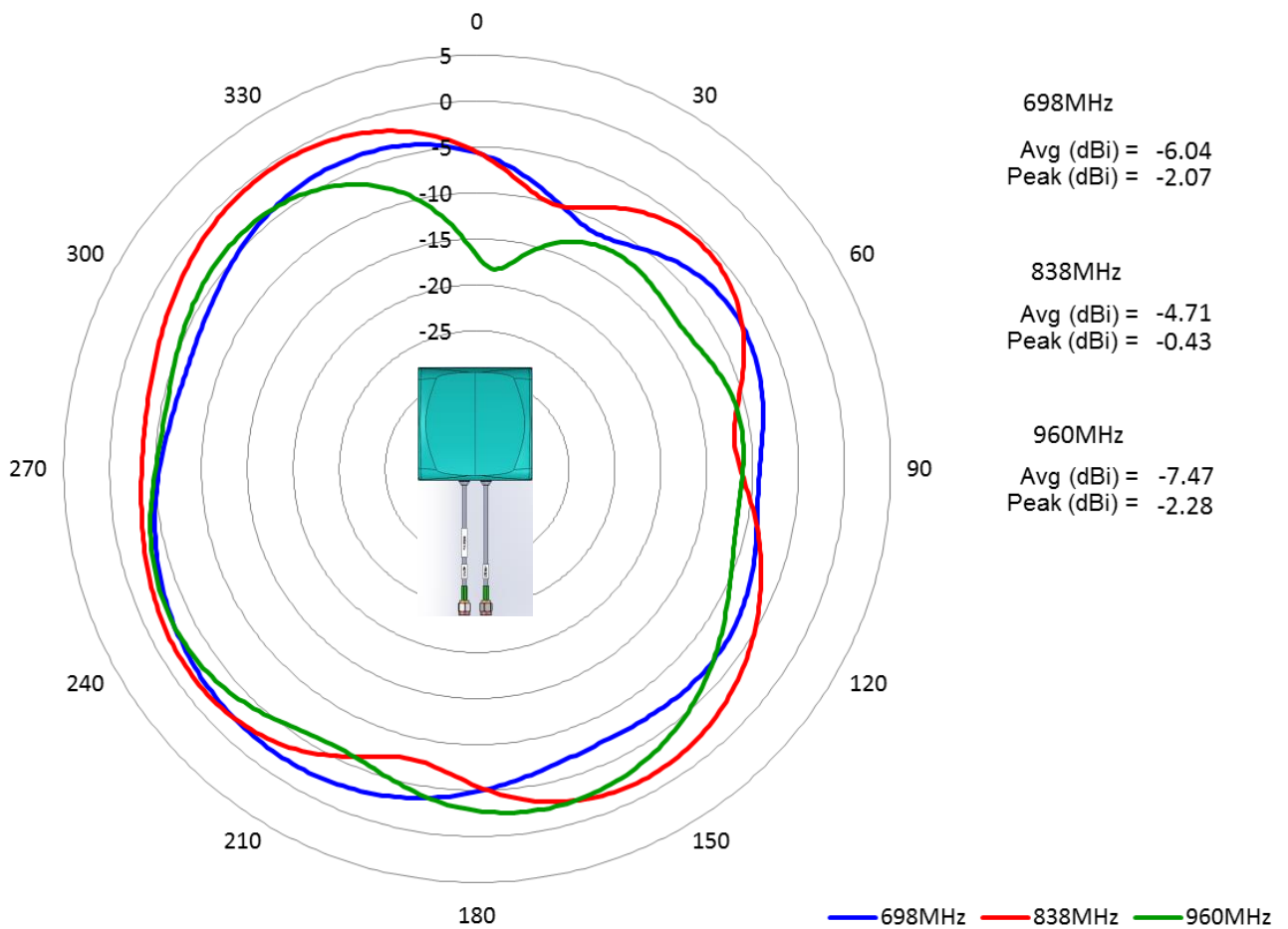
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CHARTS

Gain Plots (Diversity LTE)

XY Plane



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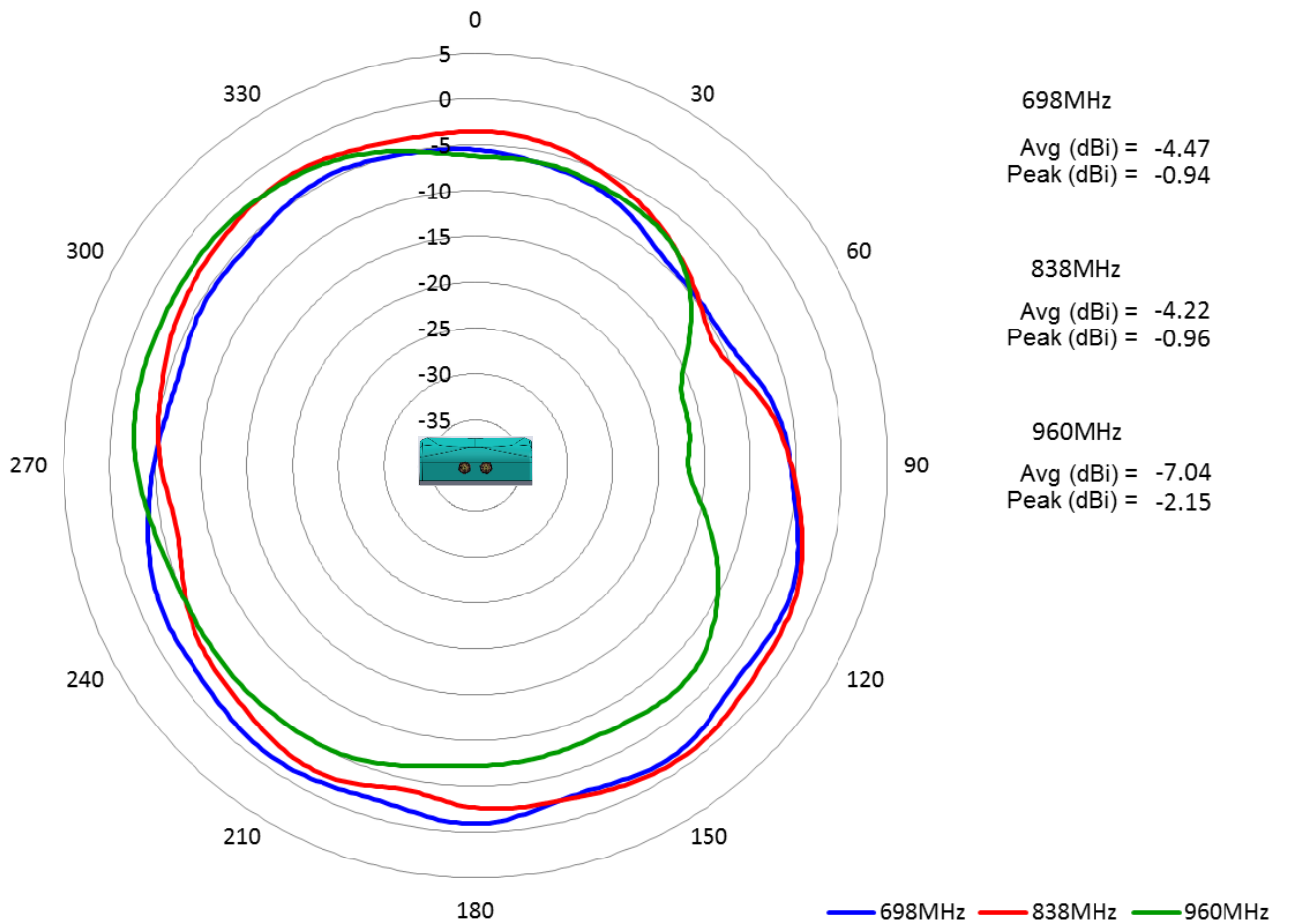
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ZX Plane



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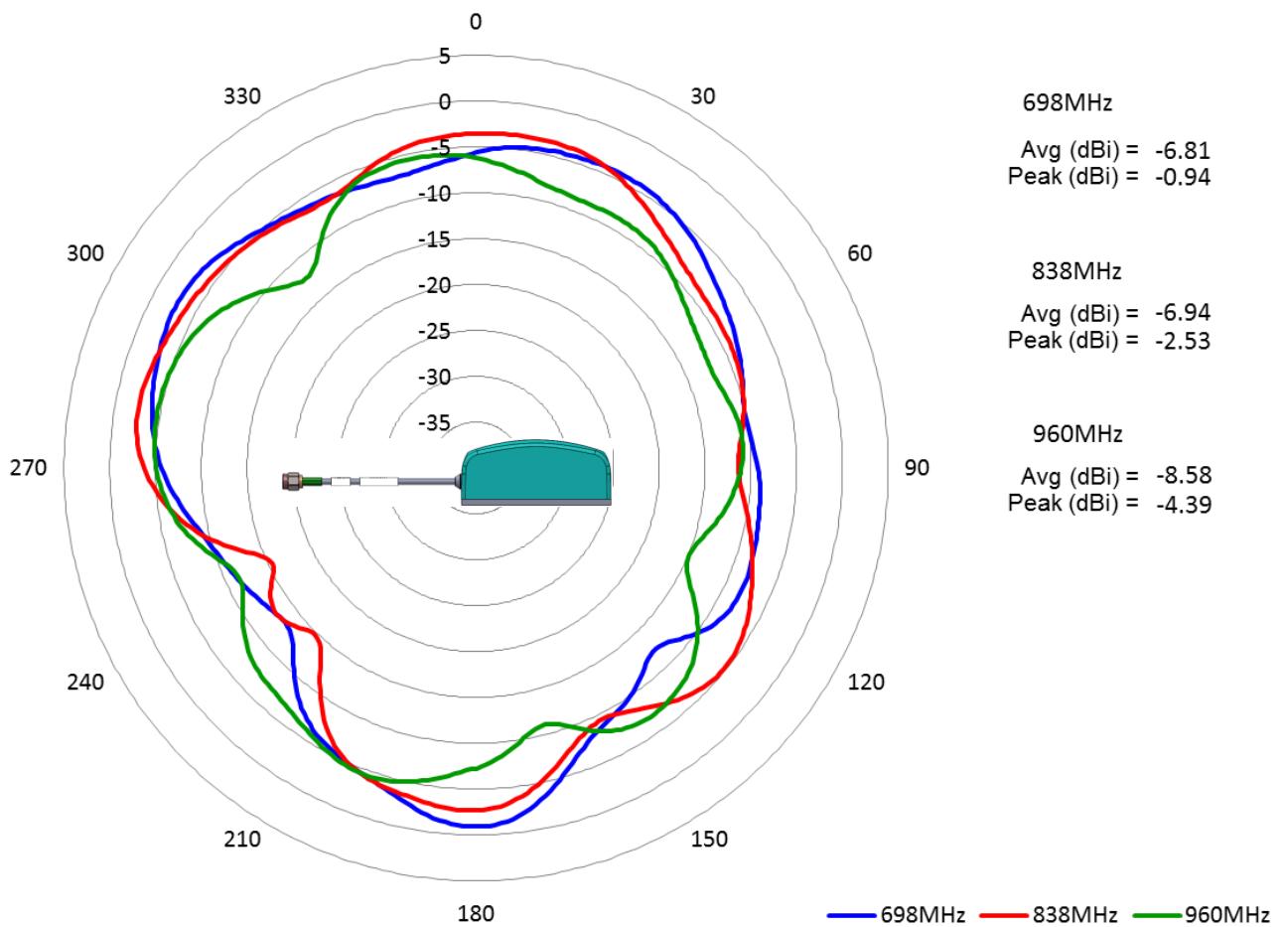
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ZY Plane



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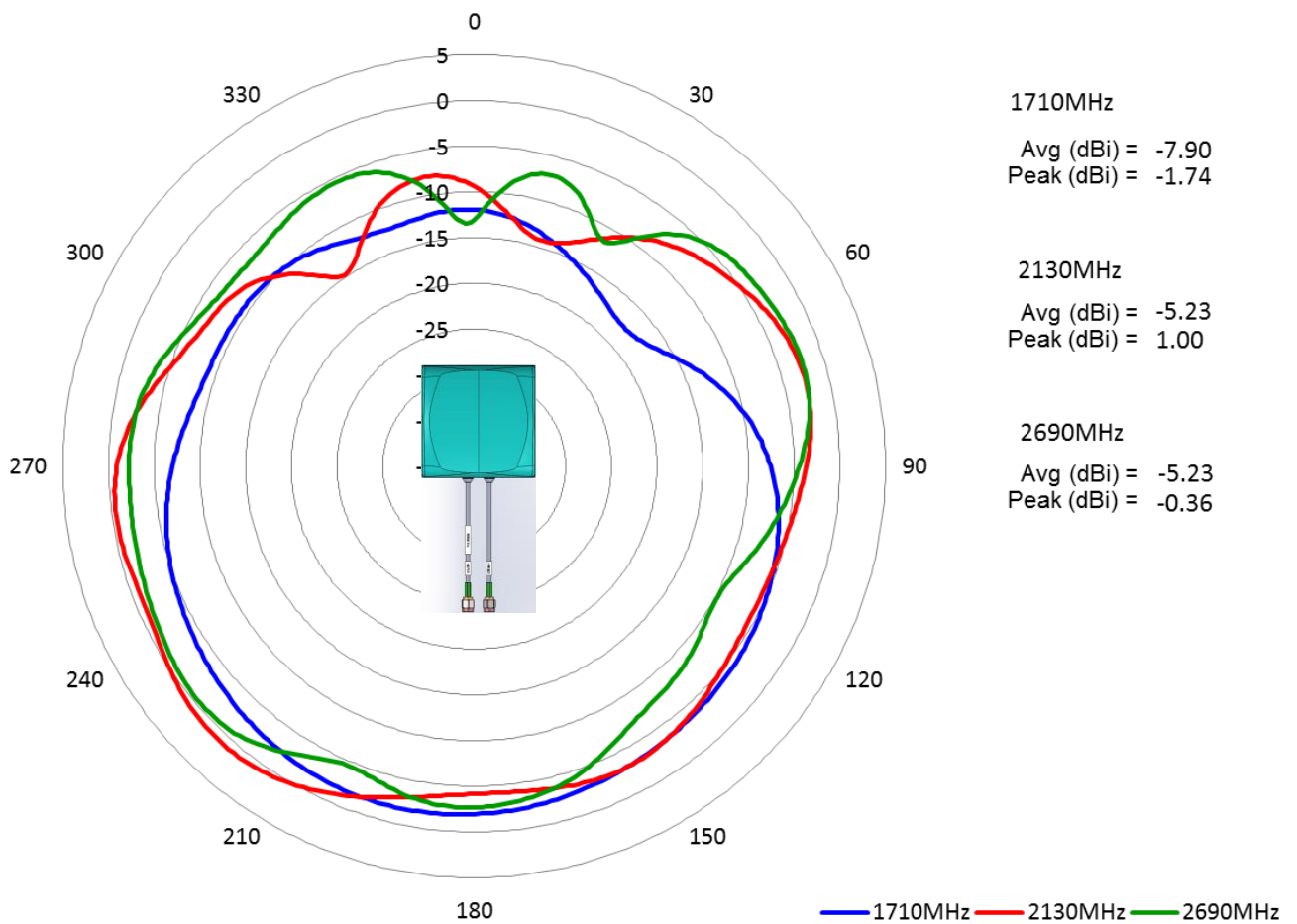
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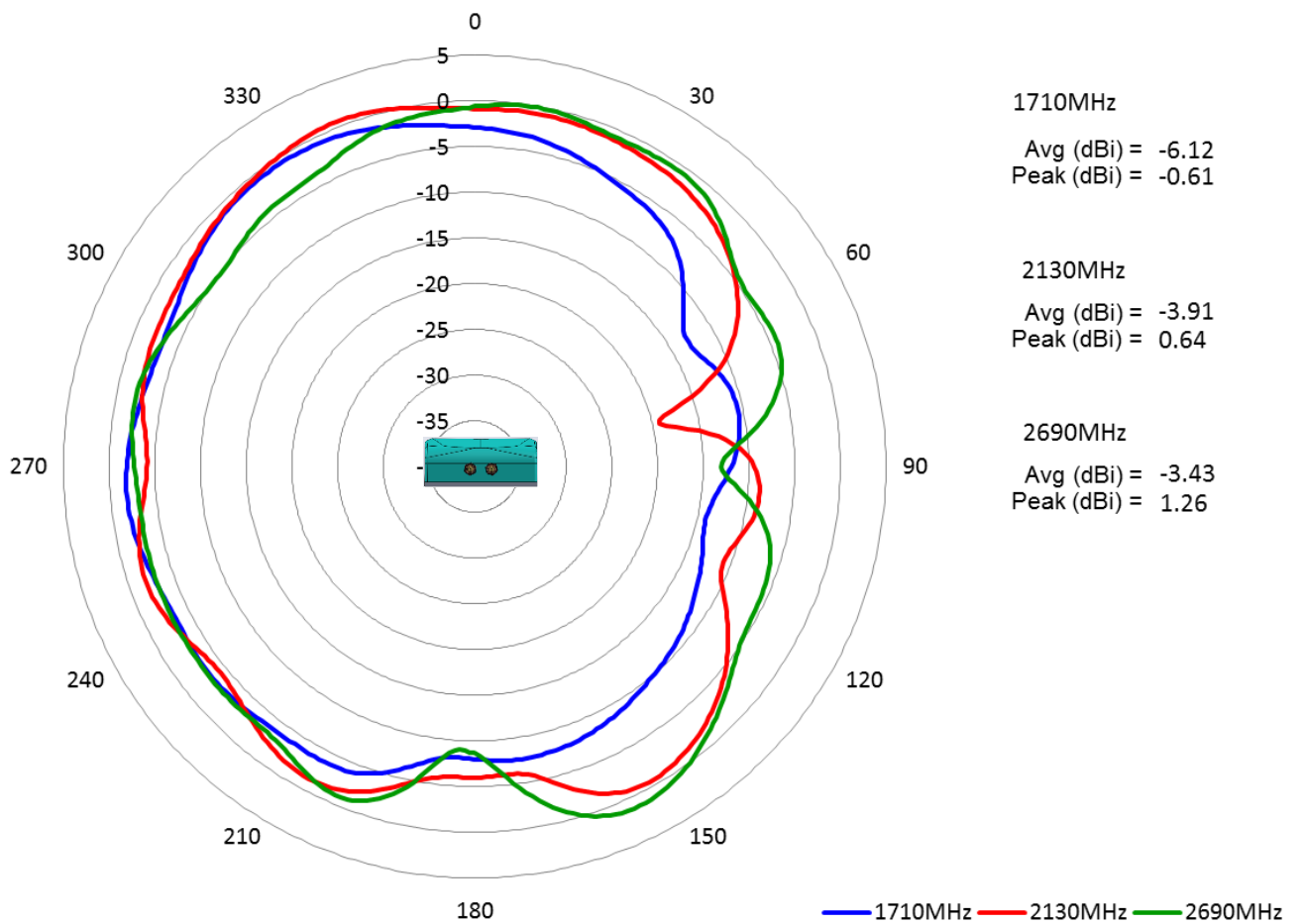
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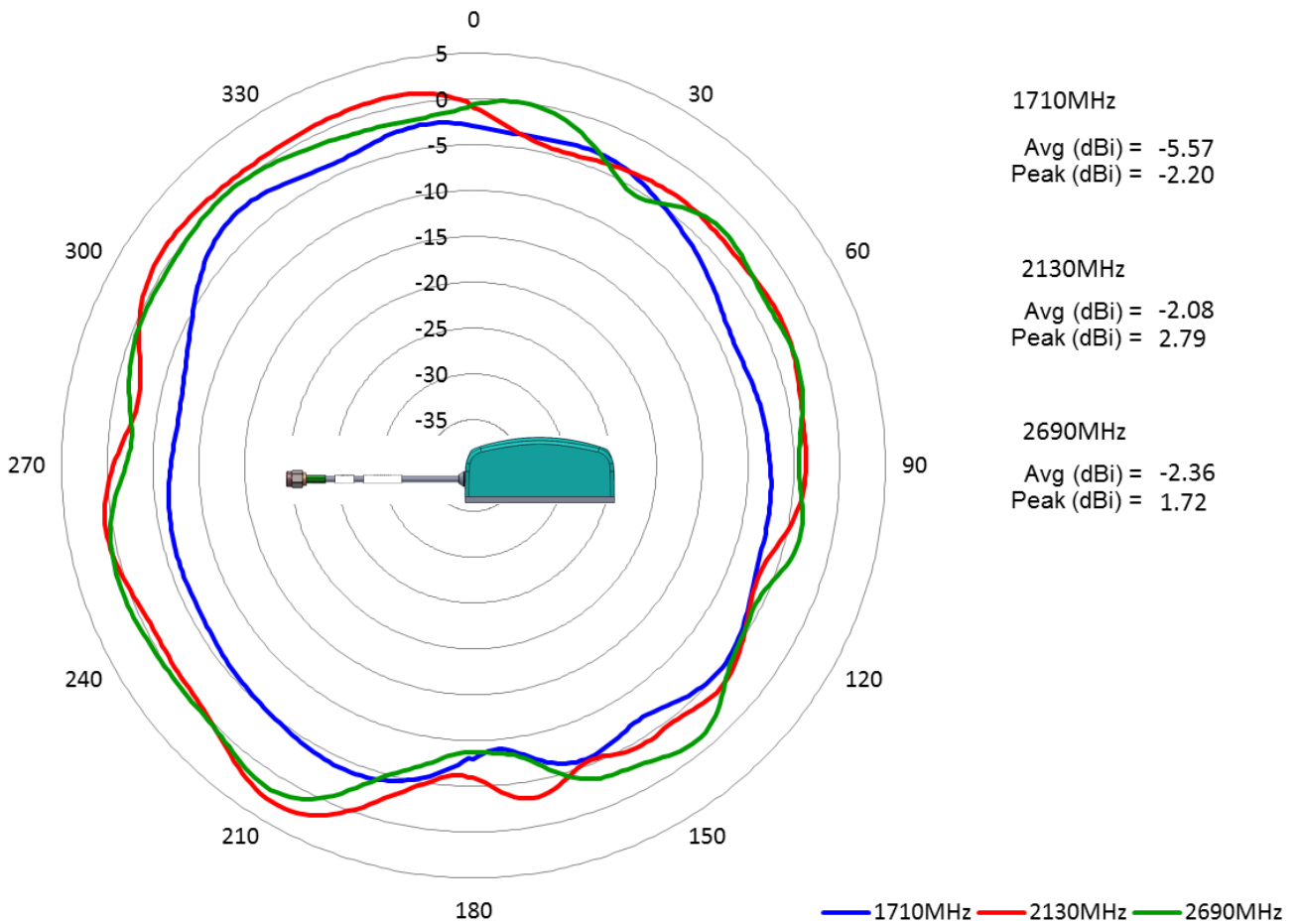
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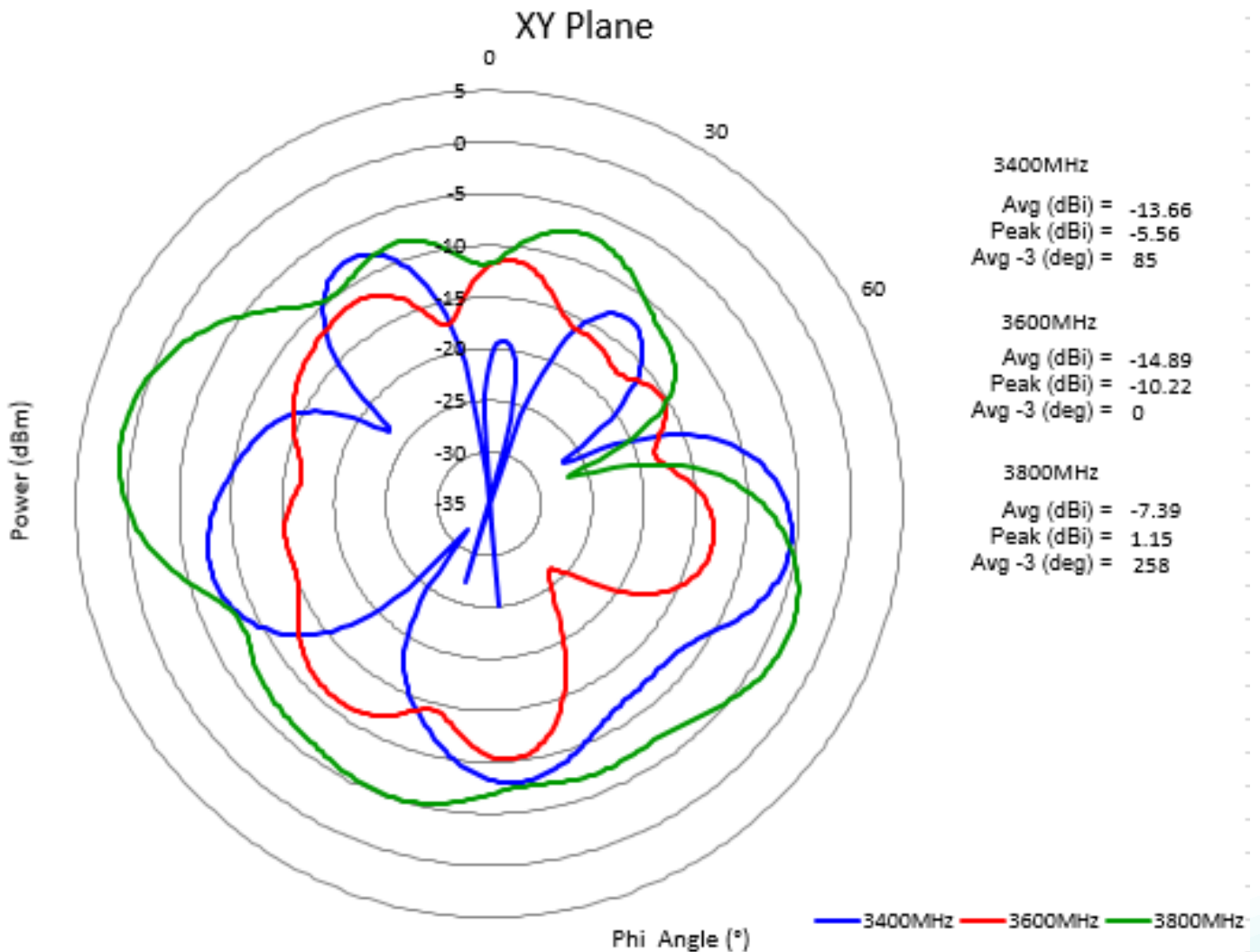
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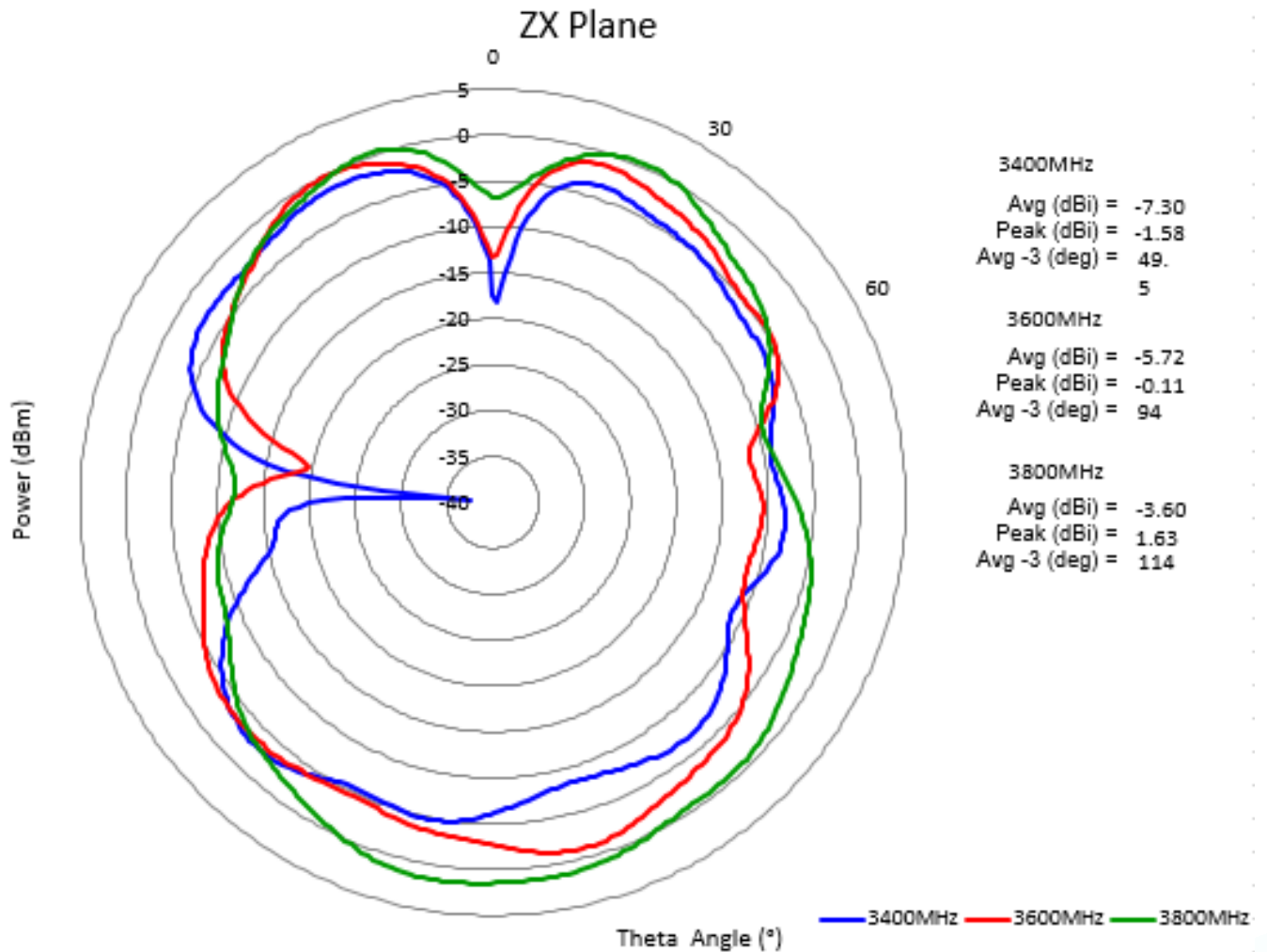
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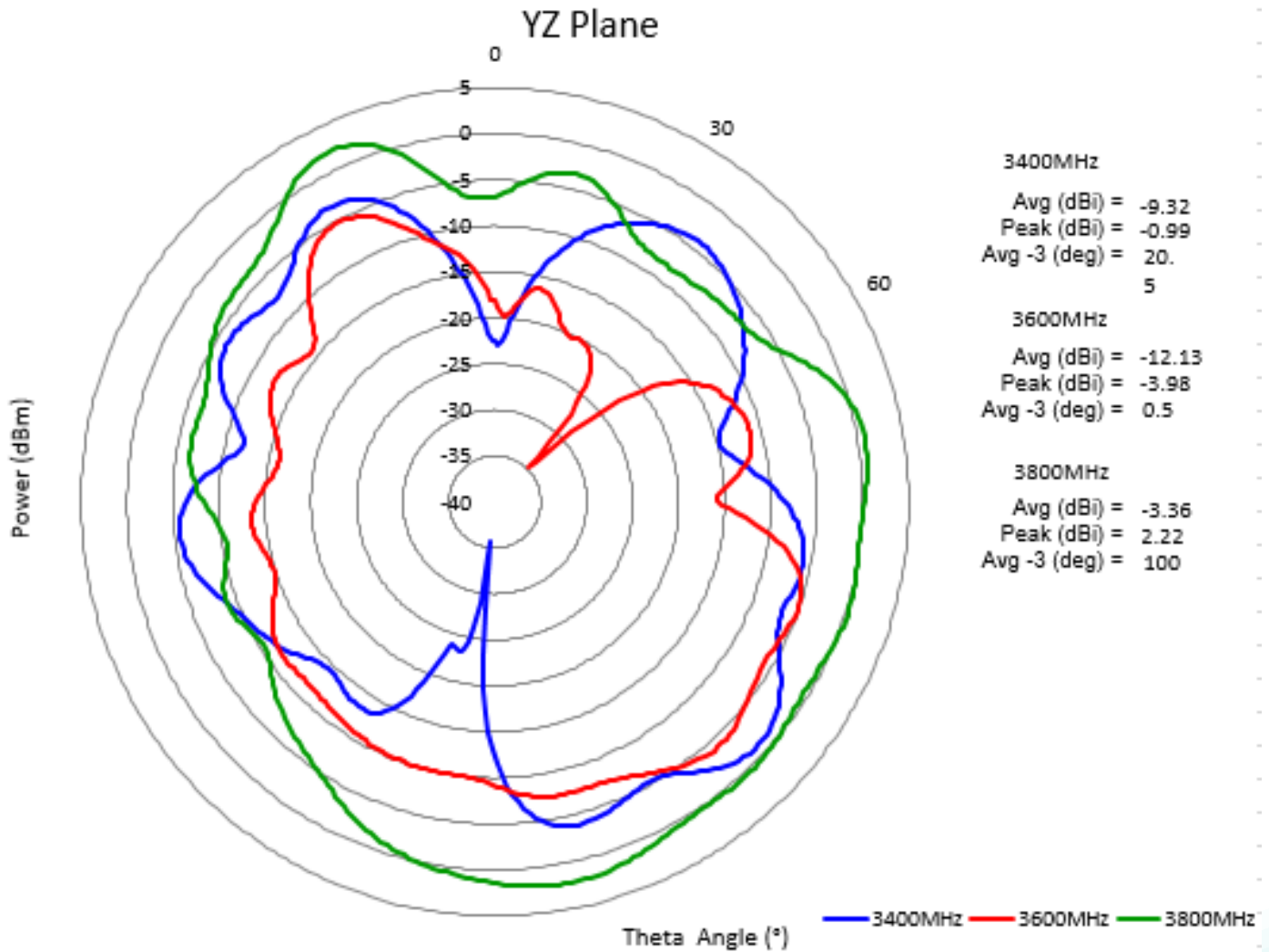
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PACKAGING

1pcs antennas per foam bag

12pcs antennas per package box

Package box: 558mm*386mm*210mm

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