

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

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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For more information:

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Herrenberg, Germany  
Tel: 49 7032 7806 0

Pulse (Suzhou) Wireless Products Co, Inc.  
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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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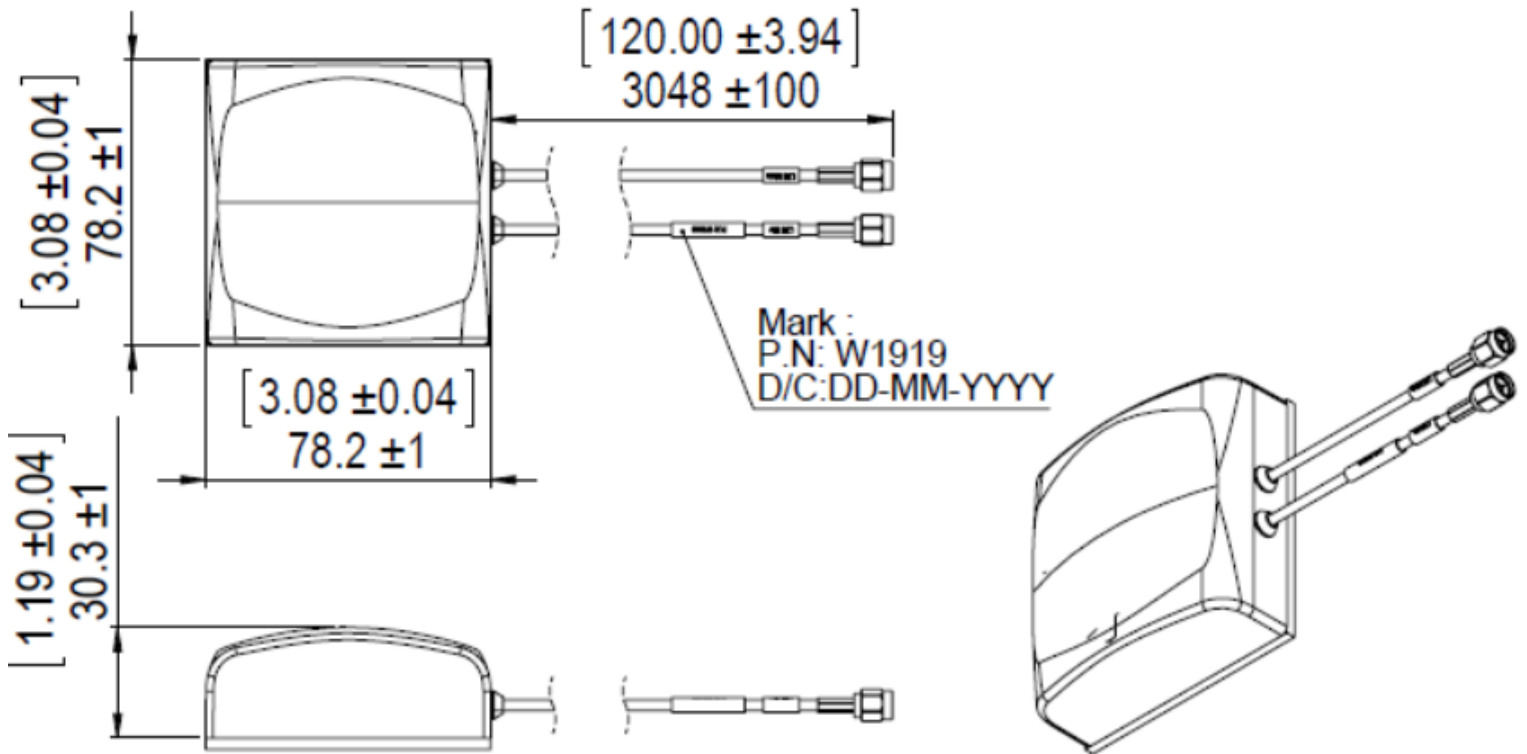


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MECHANICAL DRAWING



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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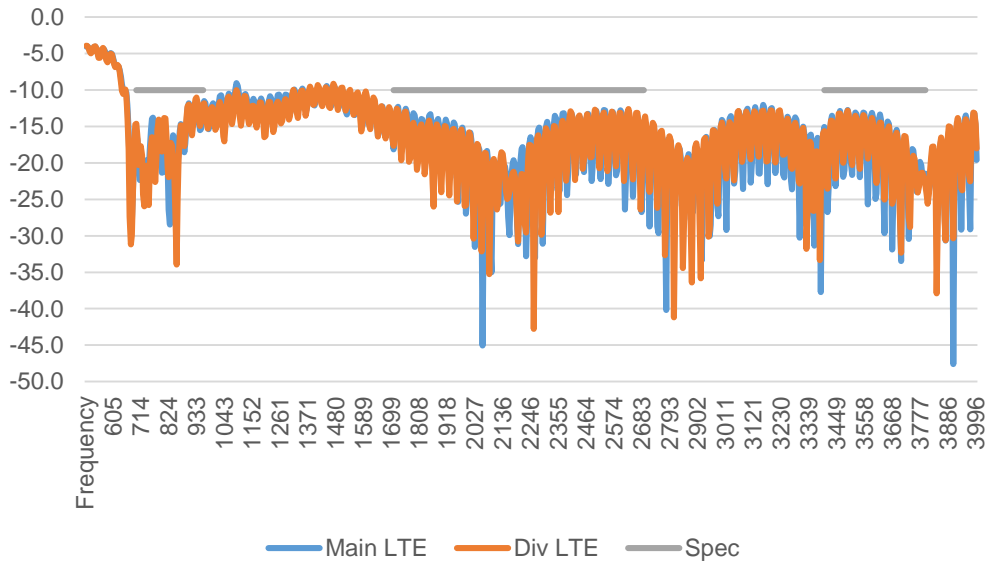
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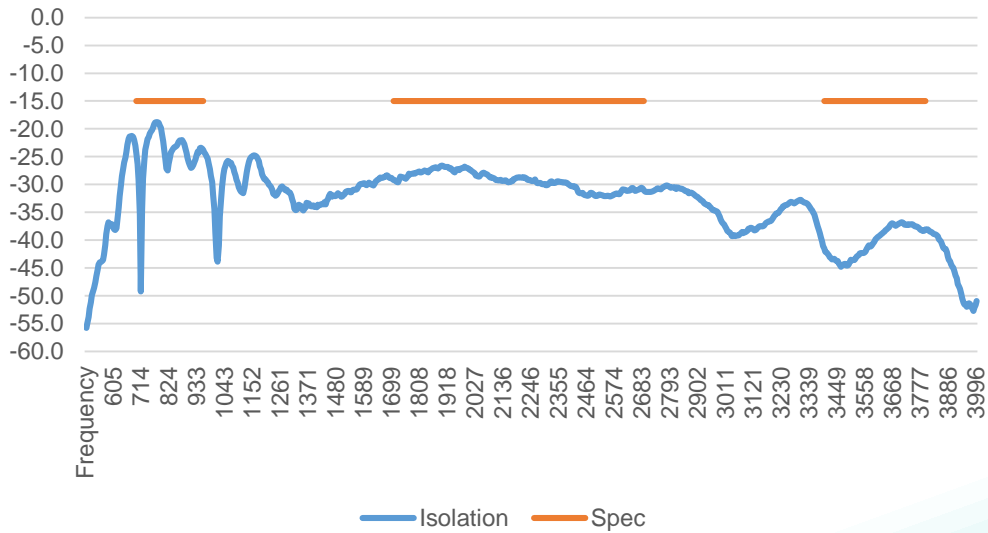
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CHARTS

Return Loss



Isolation



Note : Antenna measured with 10ft cable

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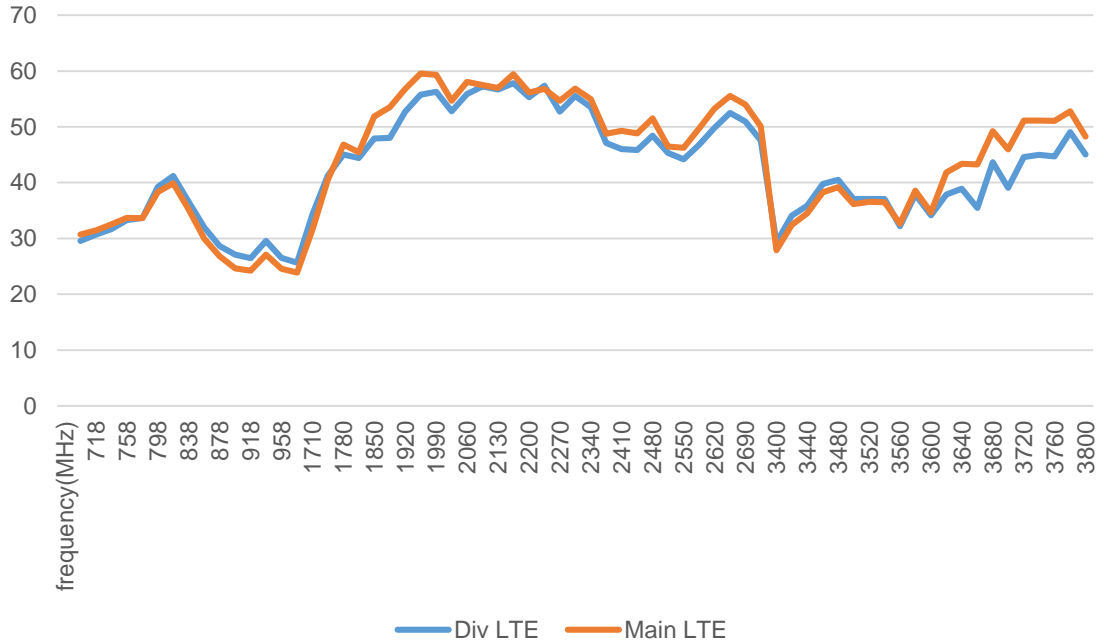
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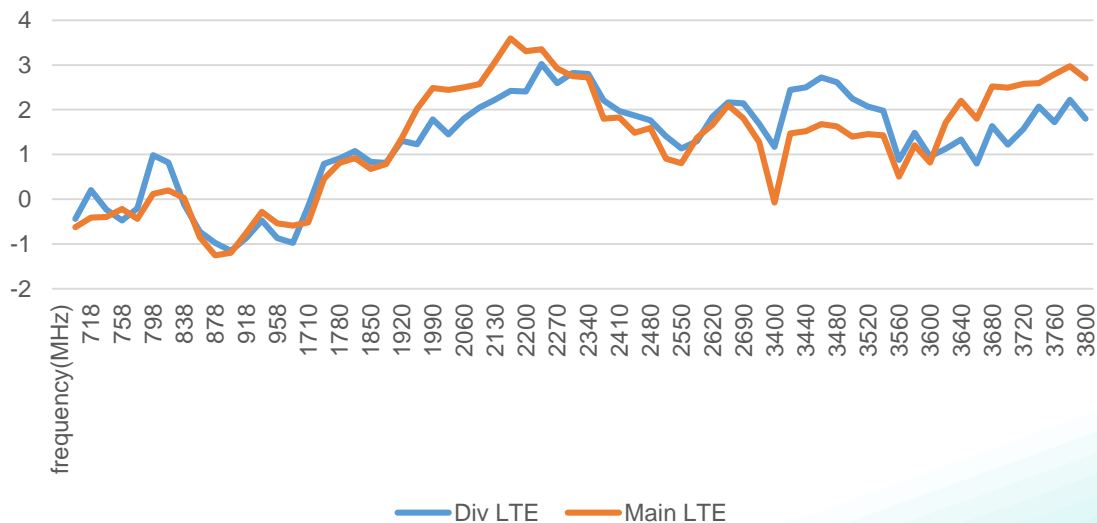
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CHARTS

Efficiency(%)



Peak Gain(dBi)



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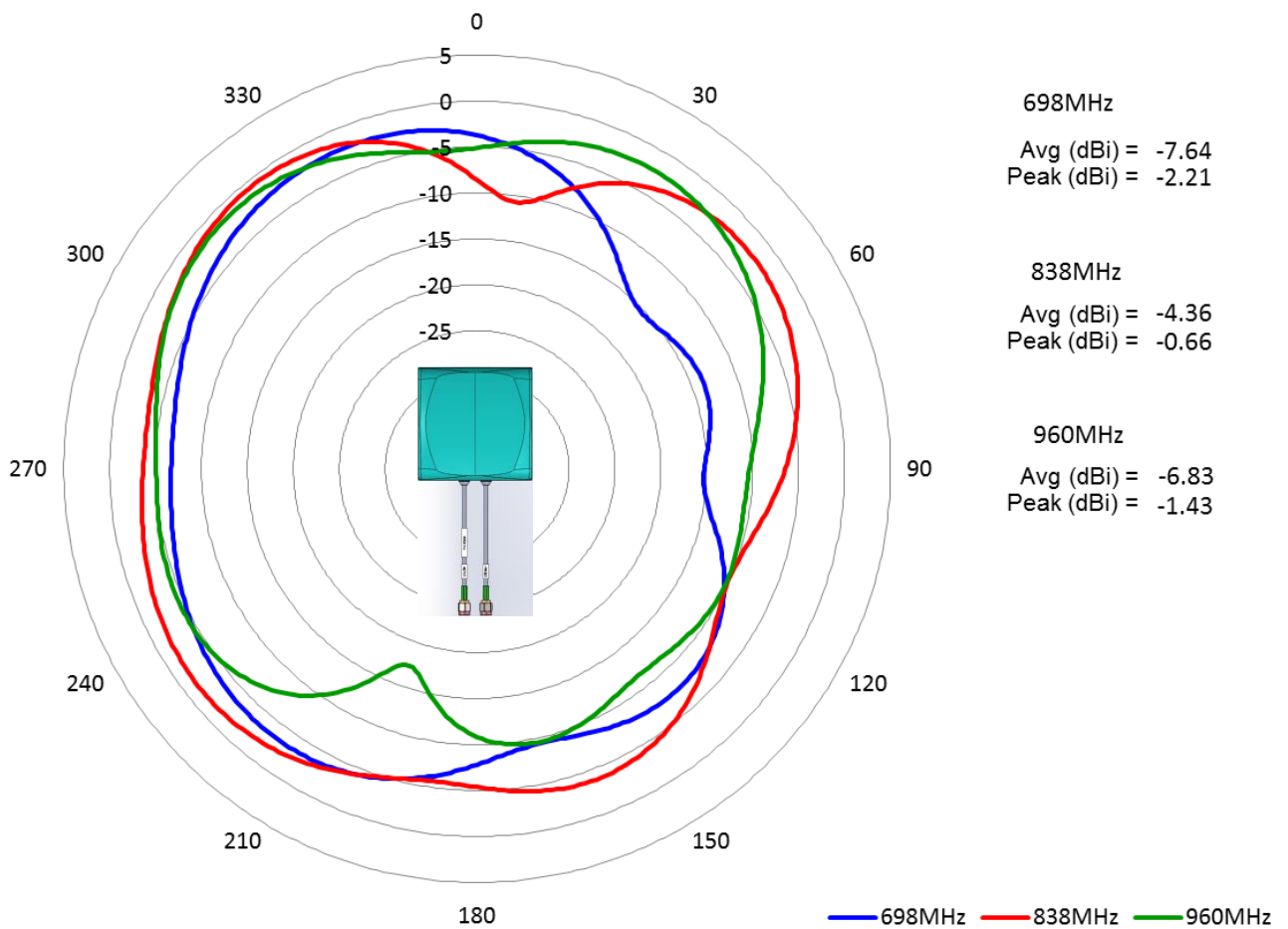
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CHARTS

Gain Plots (Main LTE)

XY Plane



Note : Antenna measured in free space with 150mm cable

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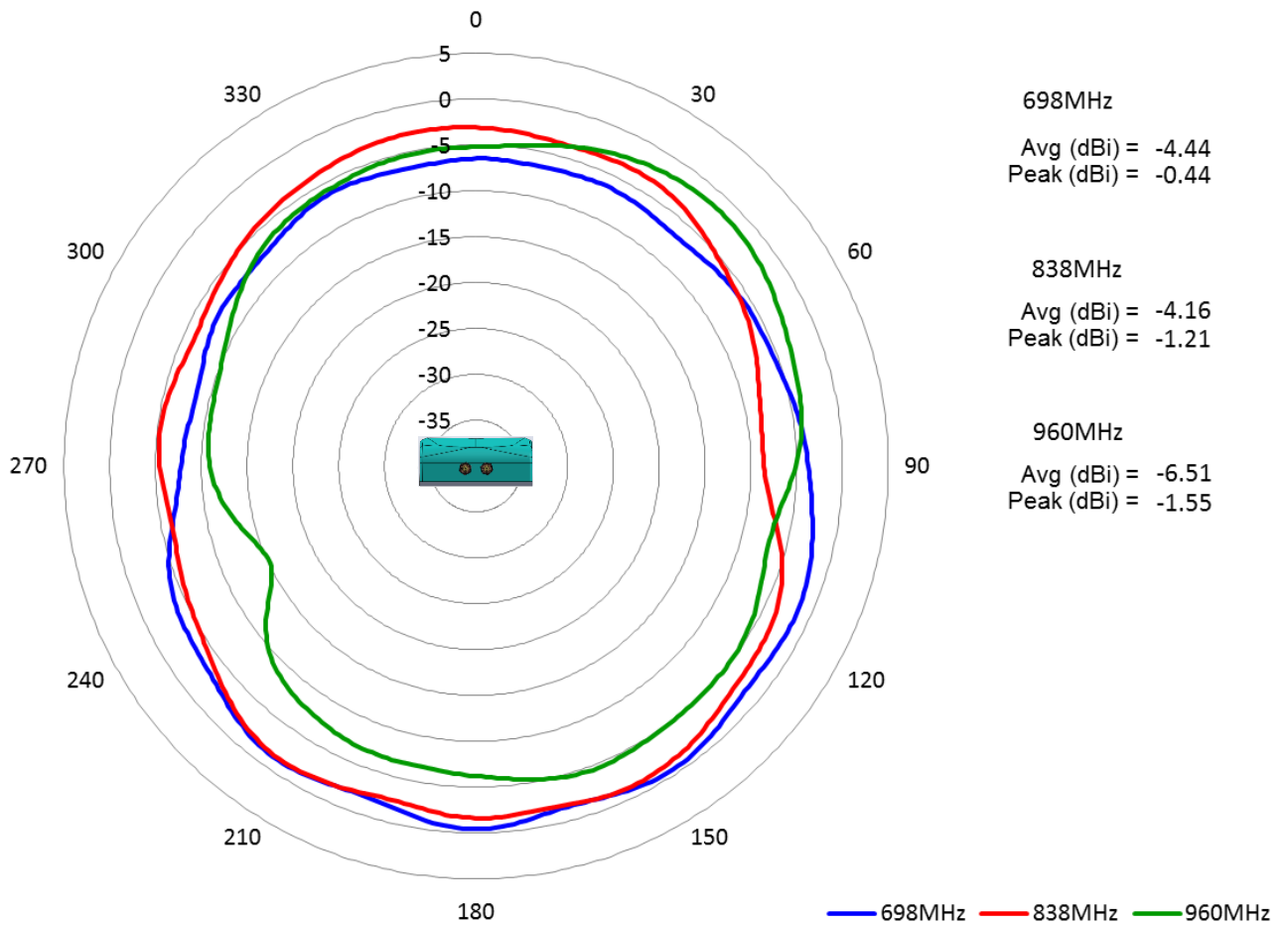
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CHARTS

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ZX Plane



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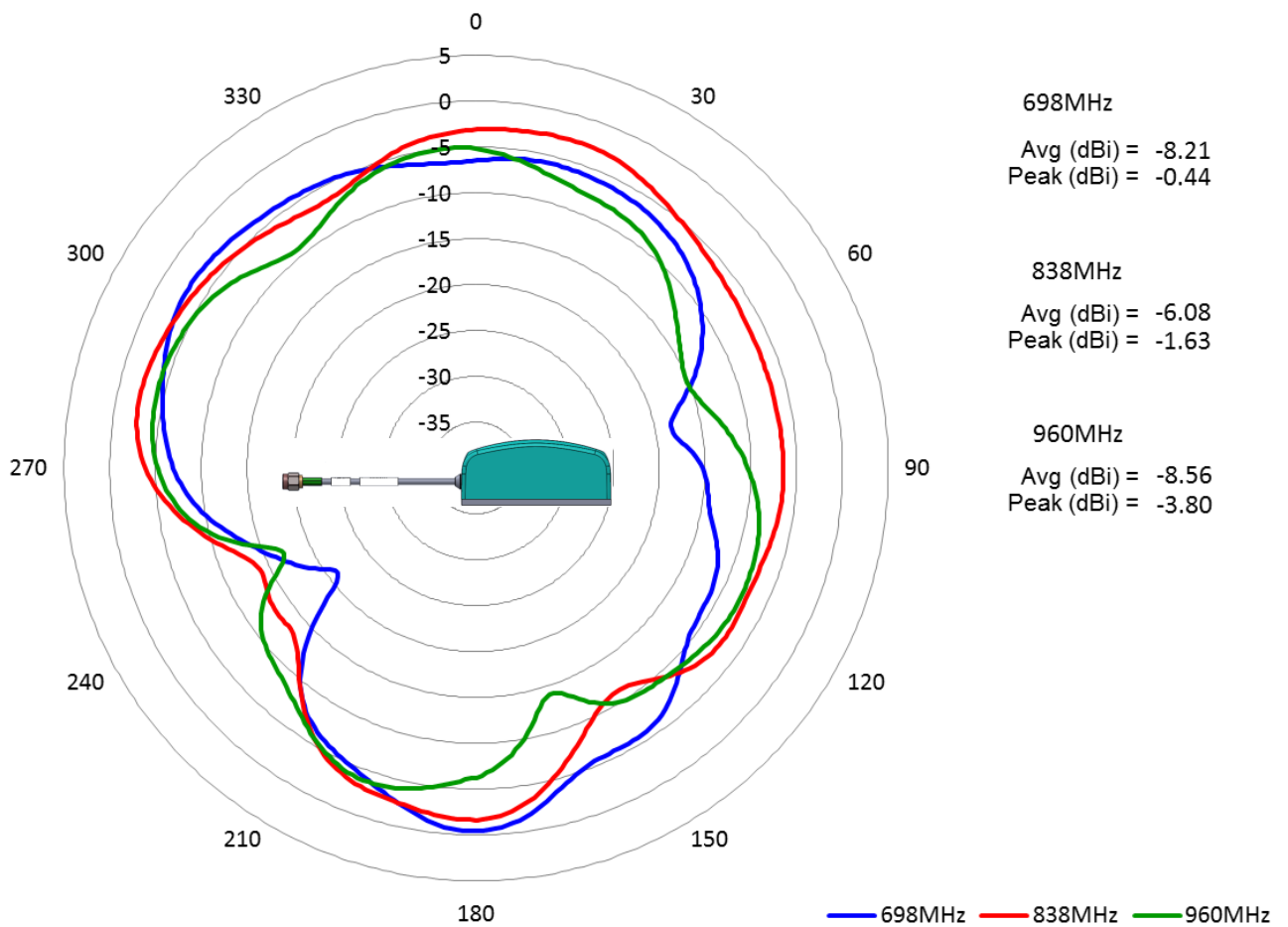
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CHARTS

Gain Plots (Main LTE)

ZY Plane



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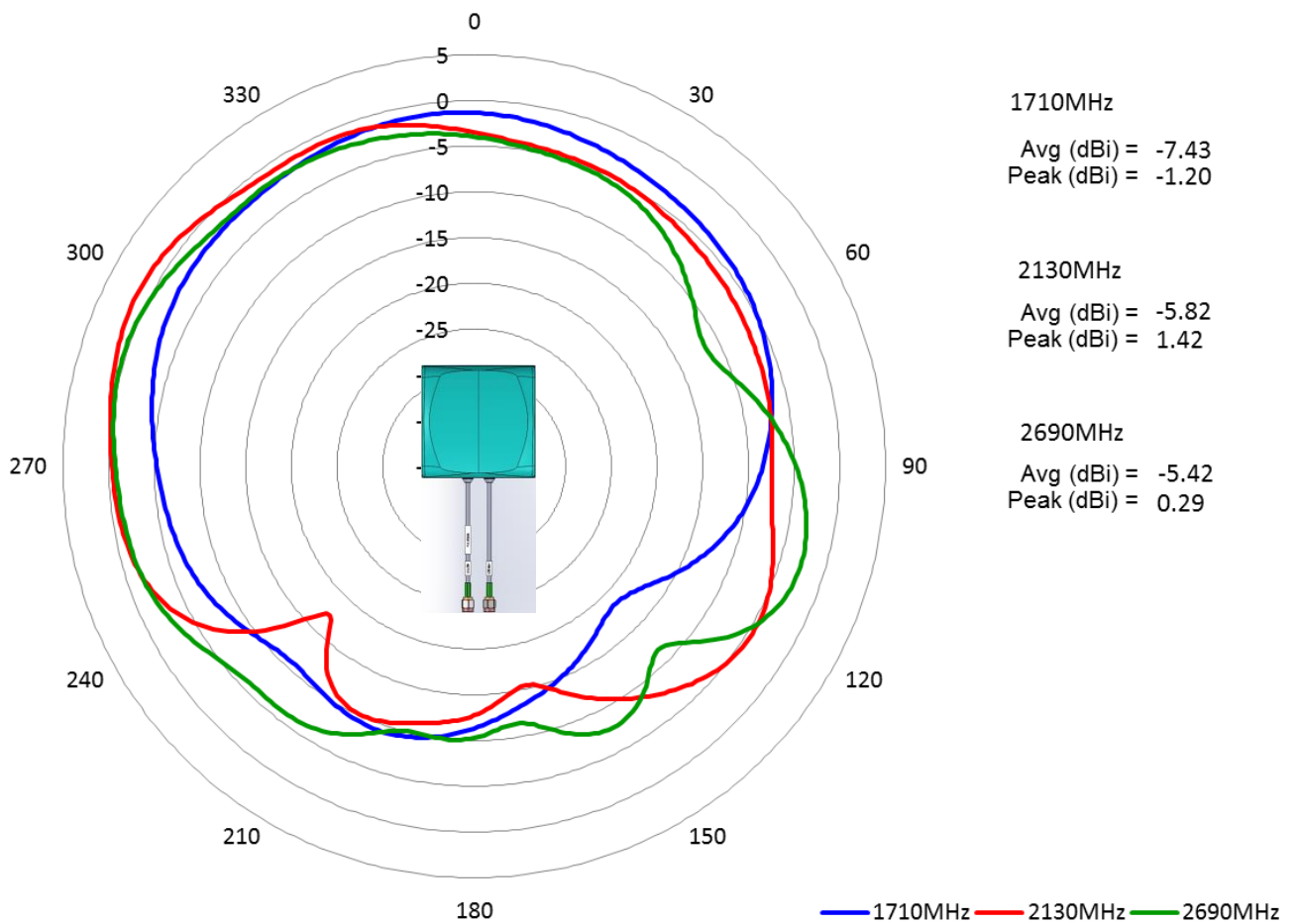
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CHARTS

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XY Plane



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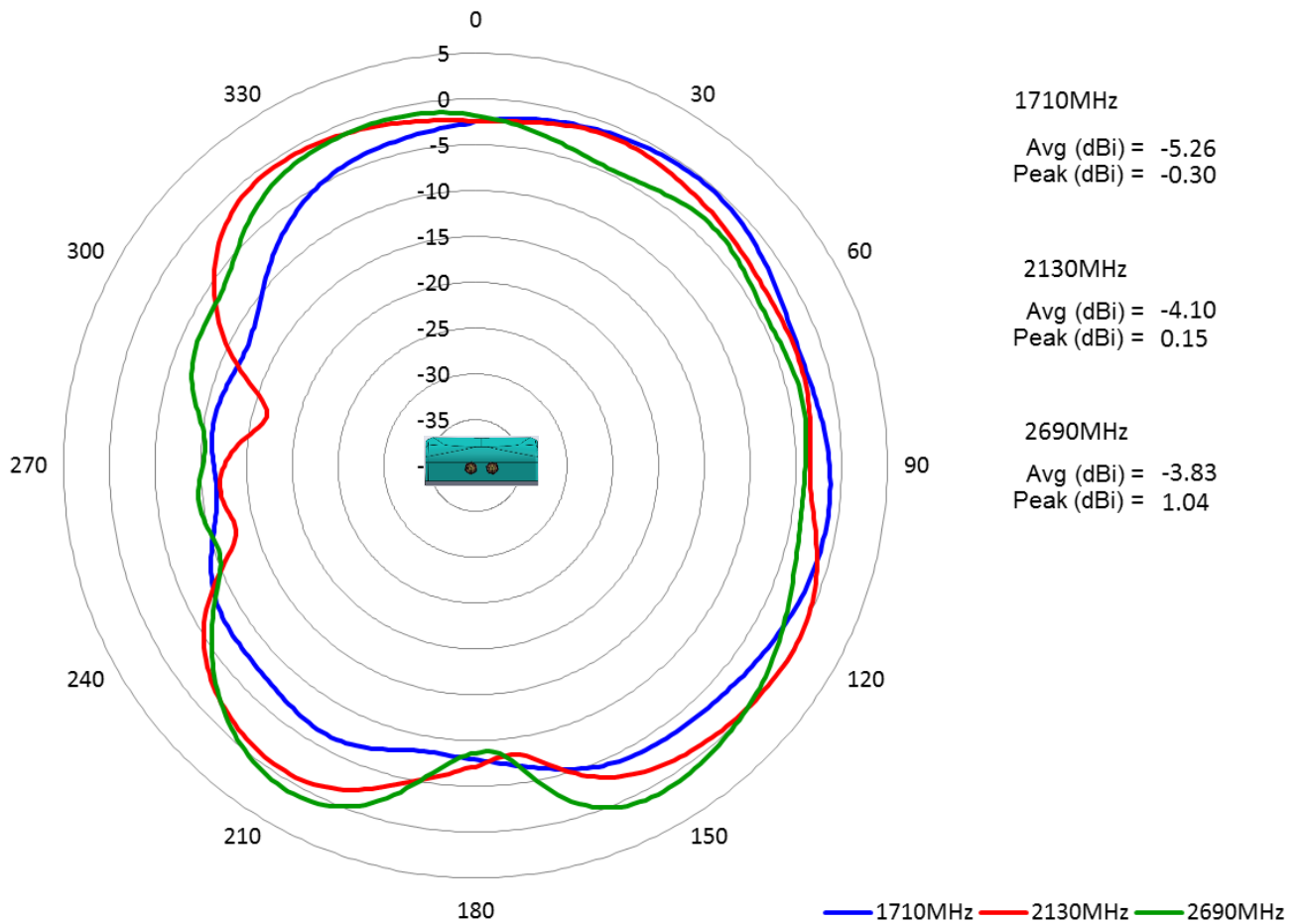
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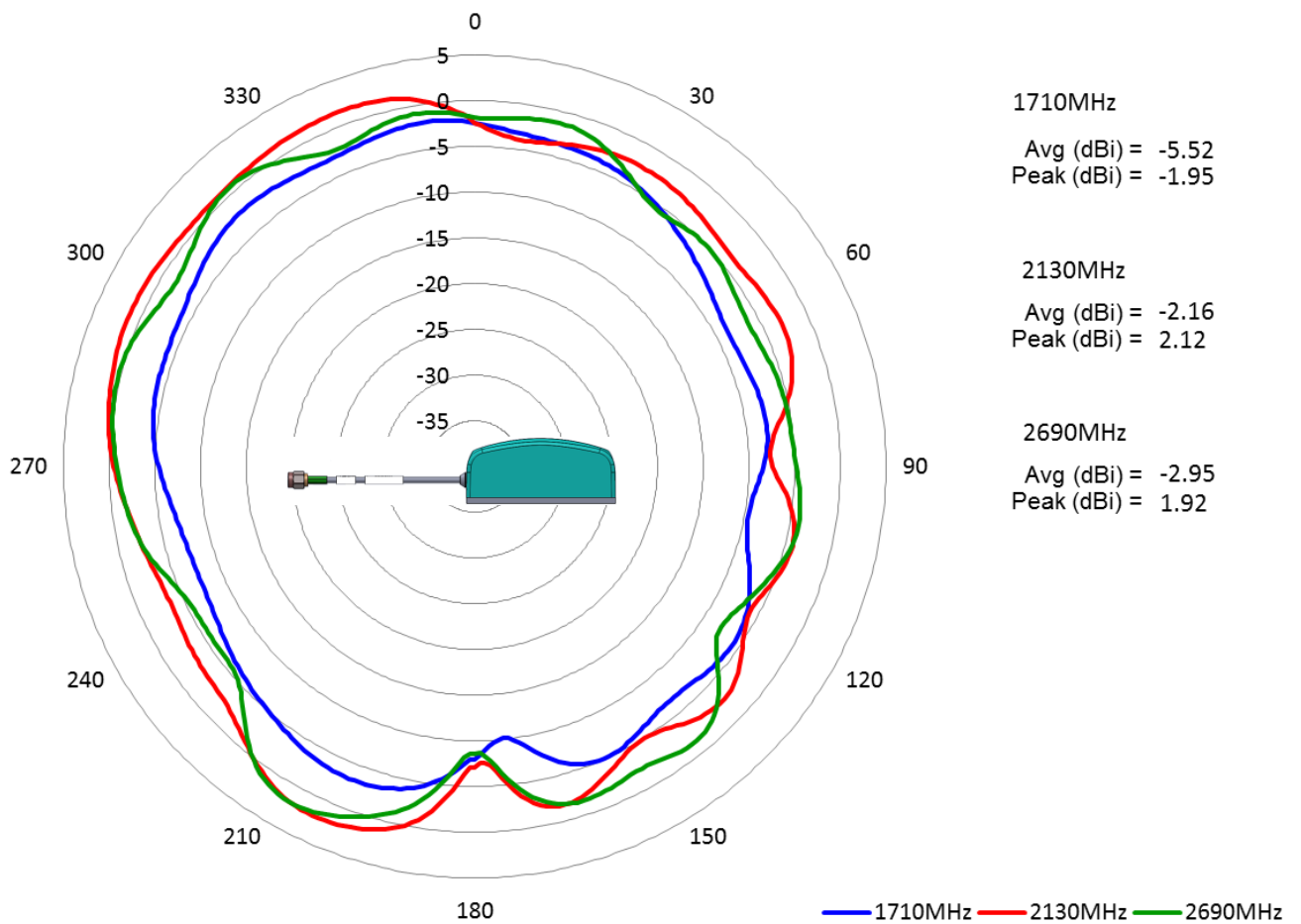
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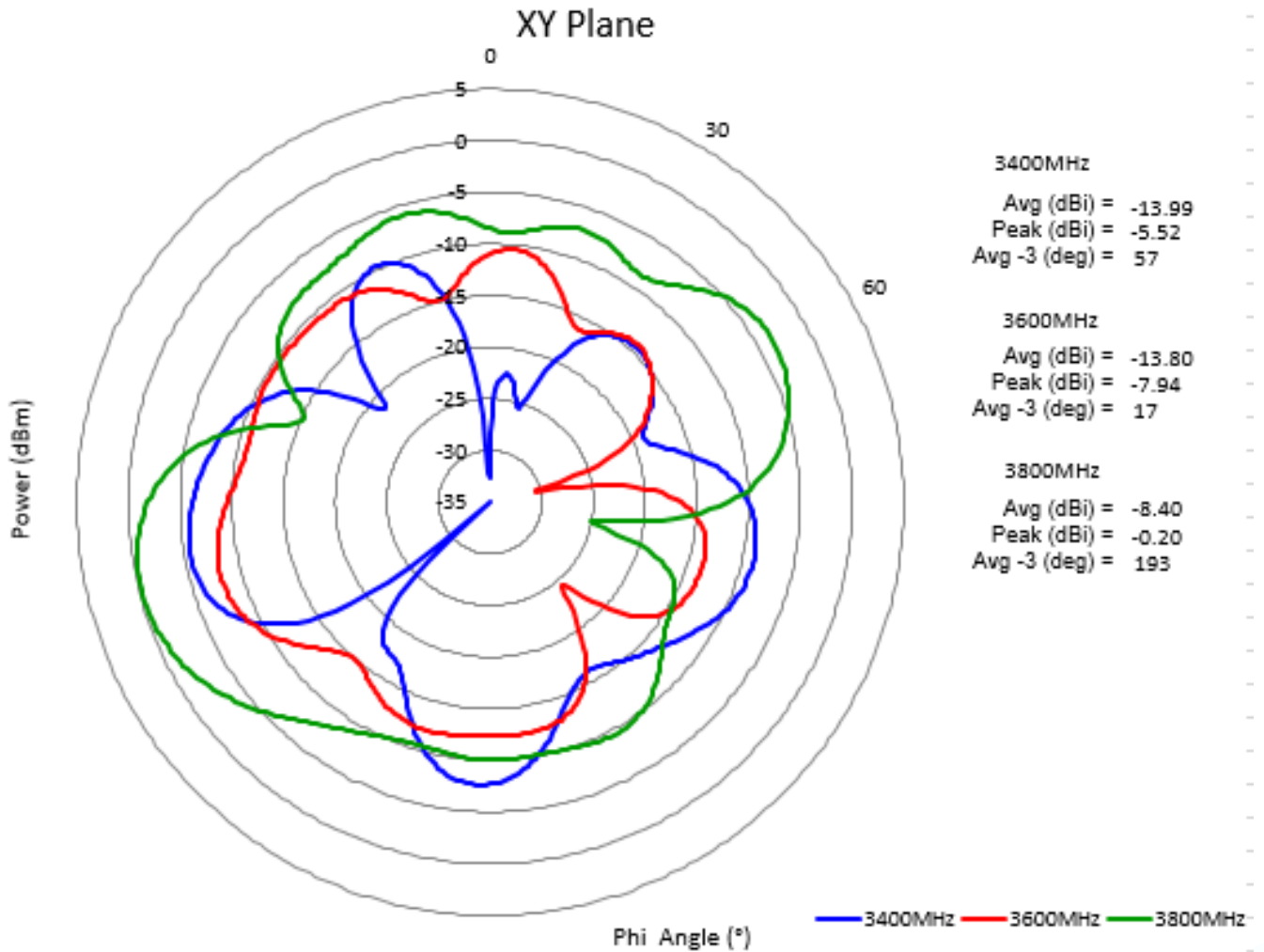
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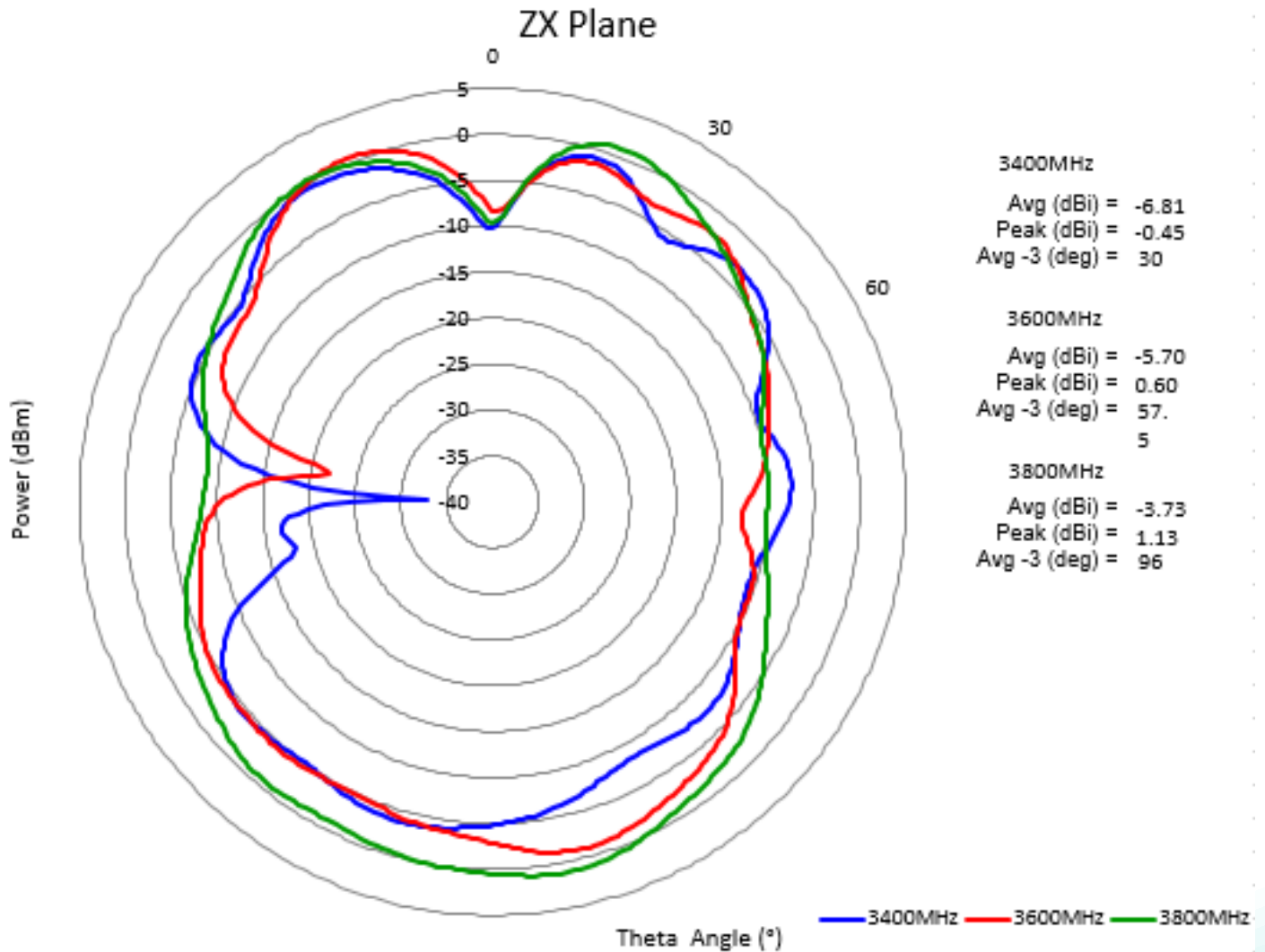
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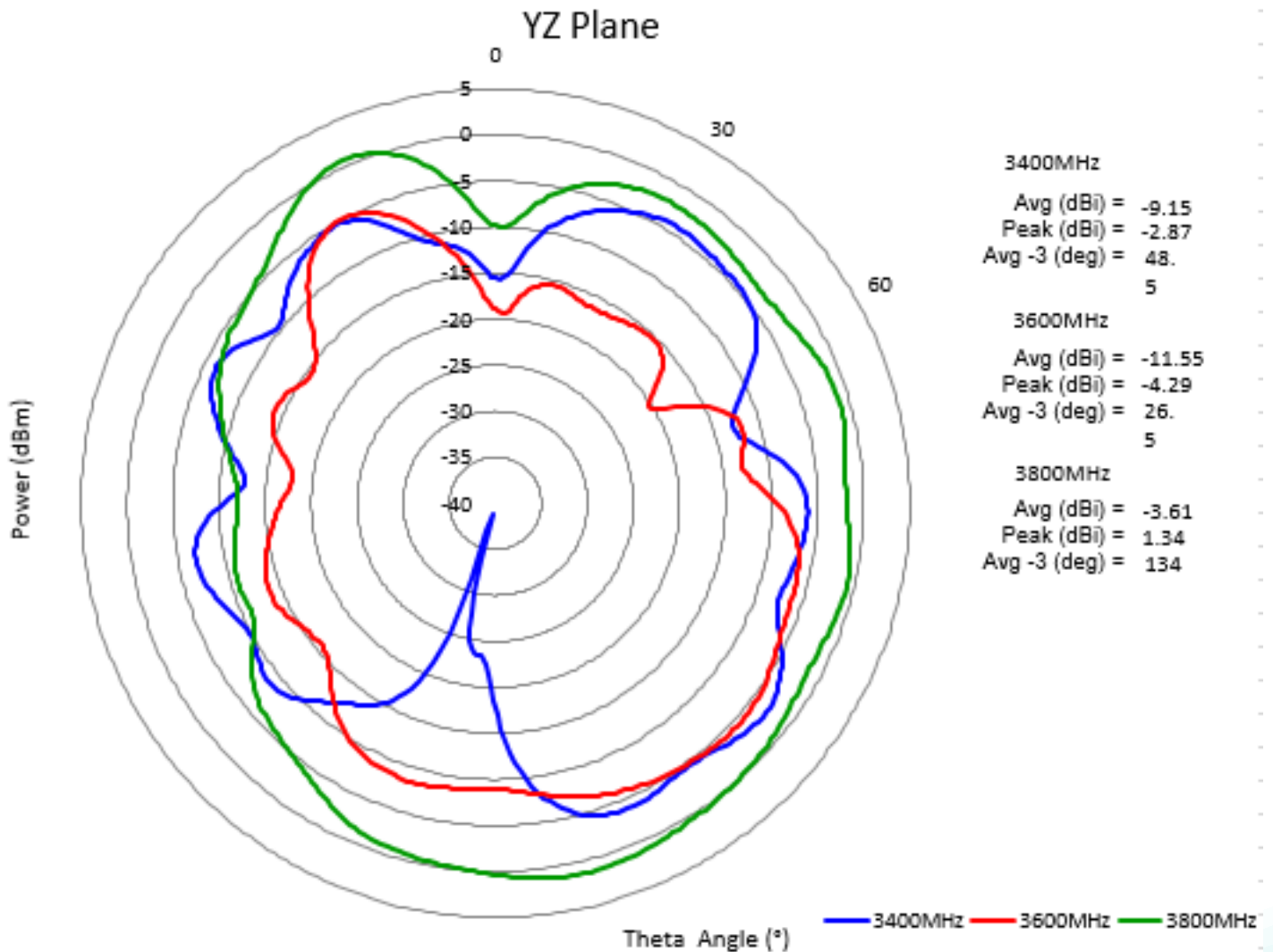
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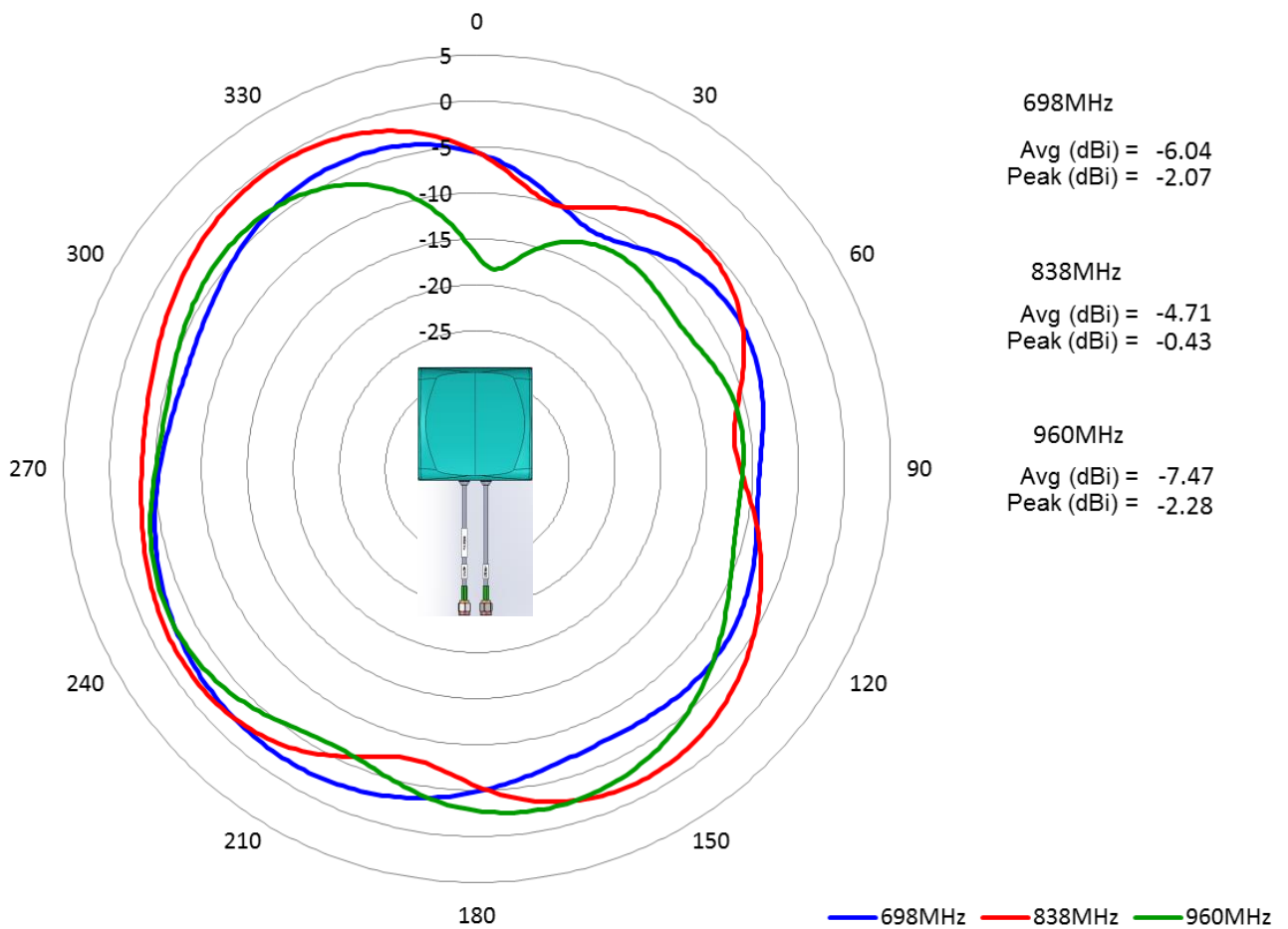
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CHARTS

Gain Plots (Diversity LTE)

XY Plane



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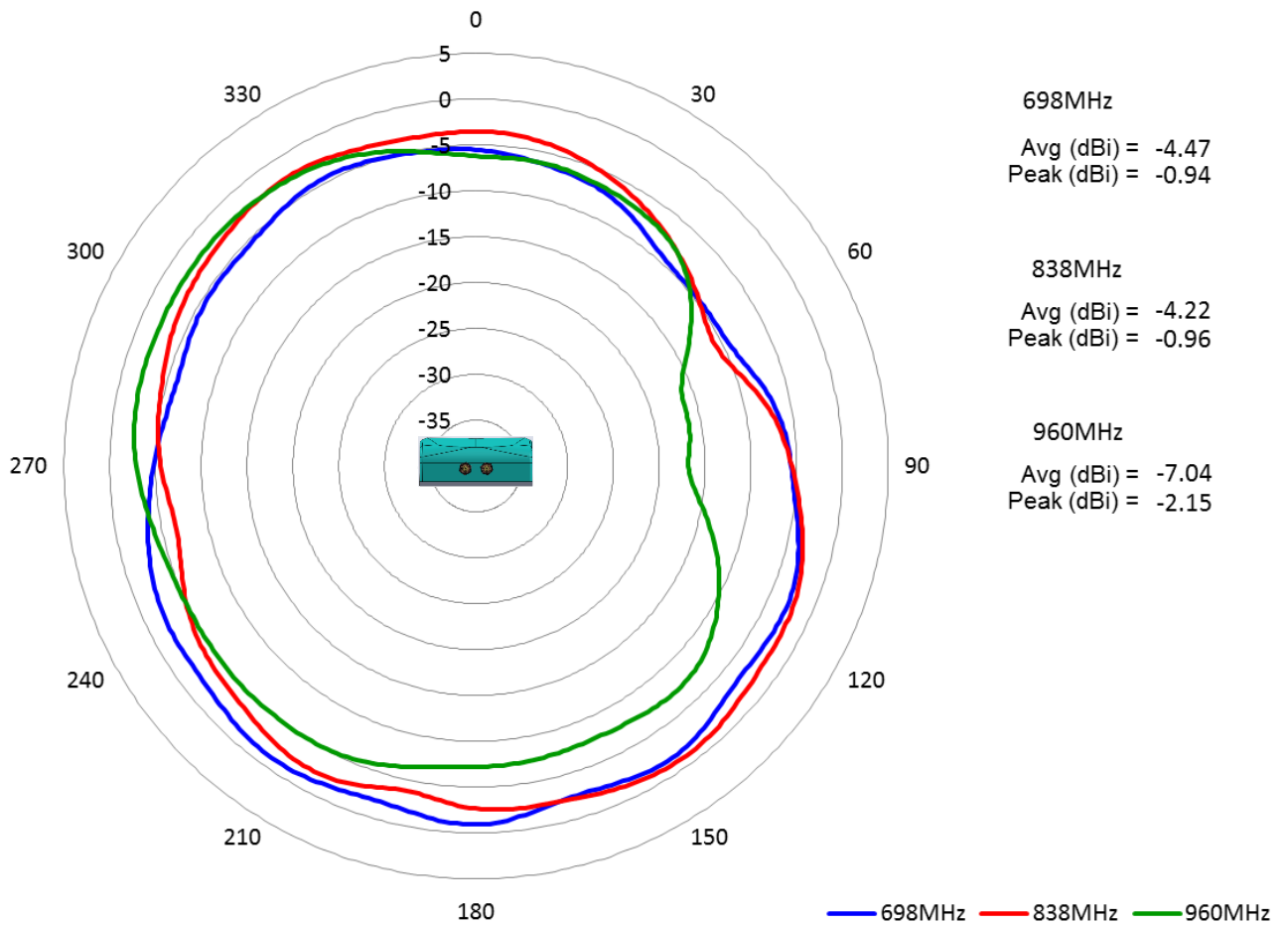
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ZX Plane



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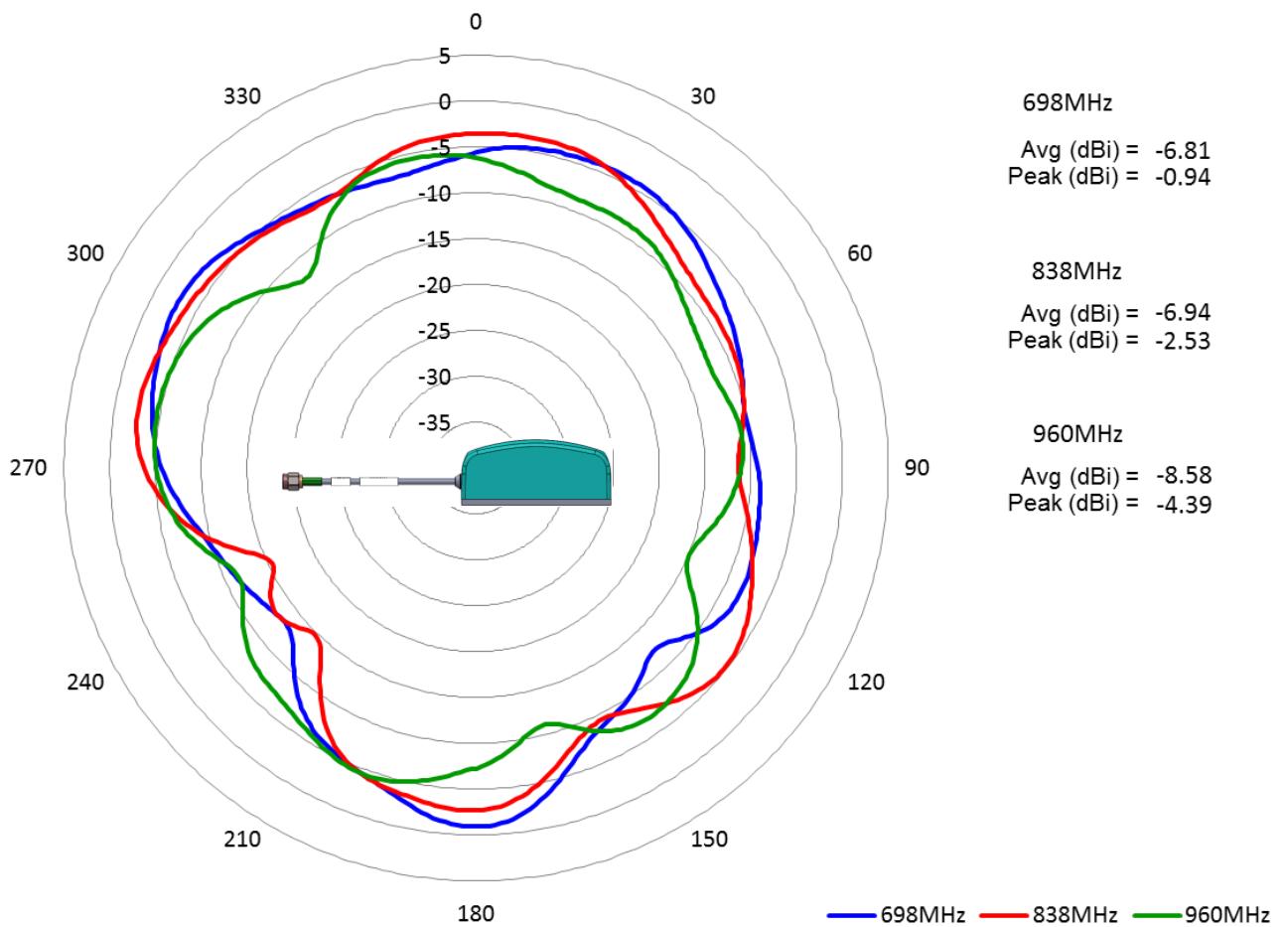
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ZY Plane



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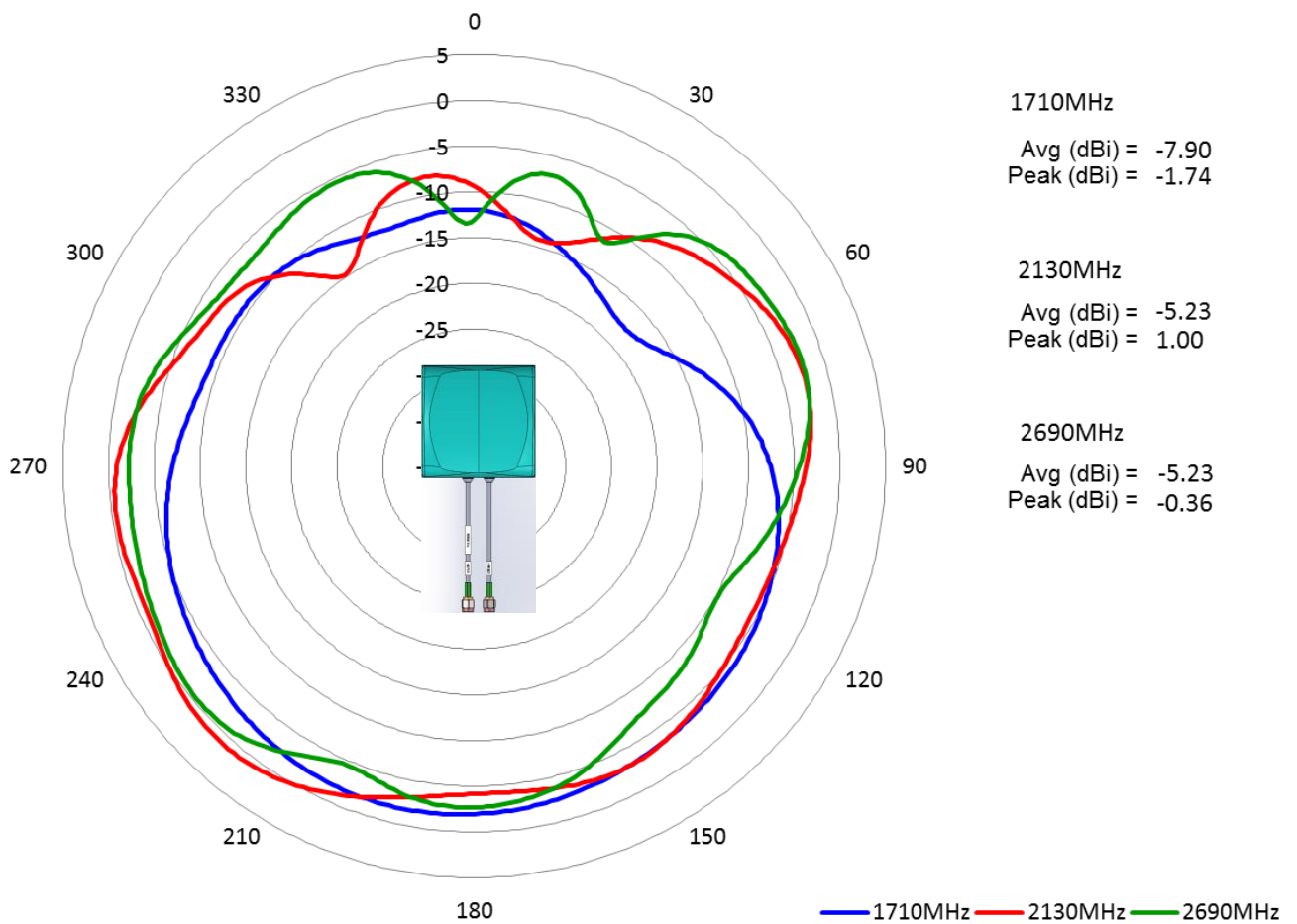
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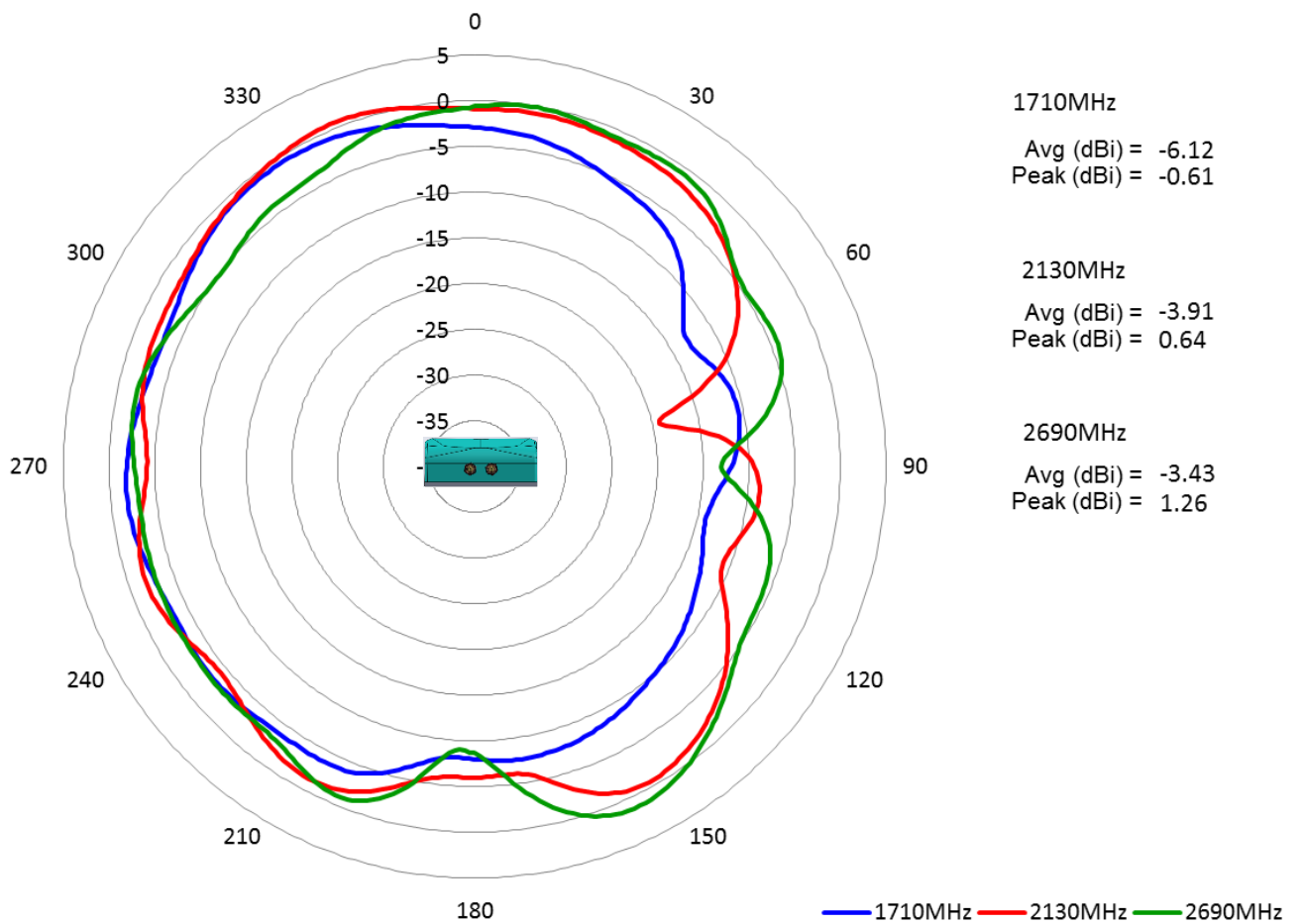
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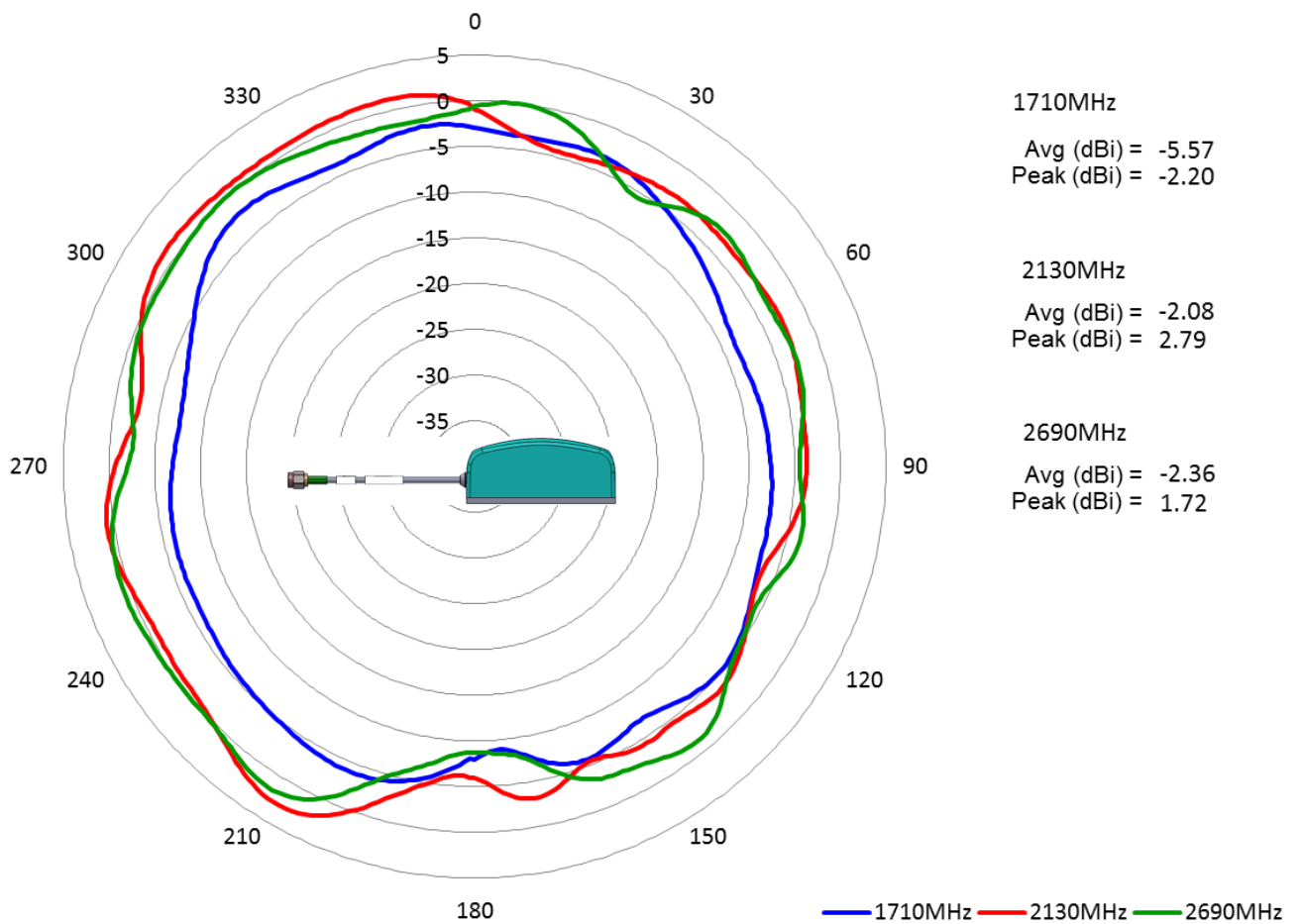
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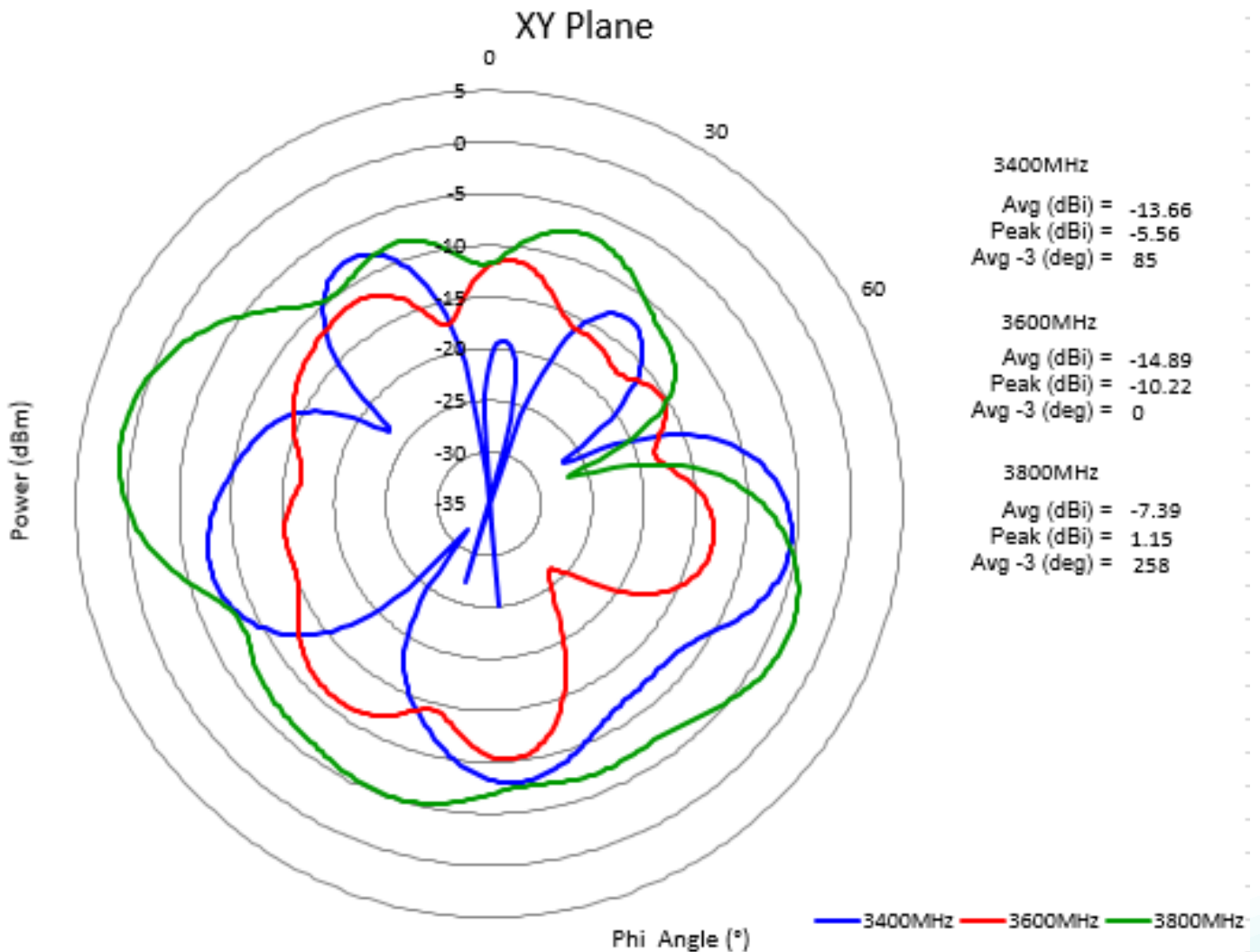
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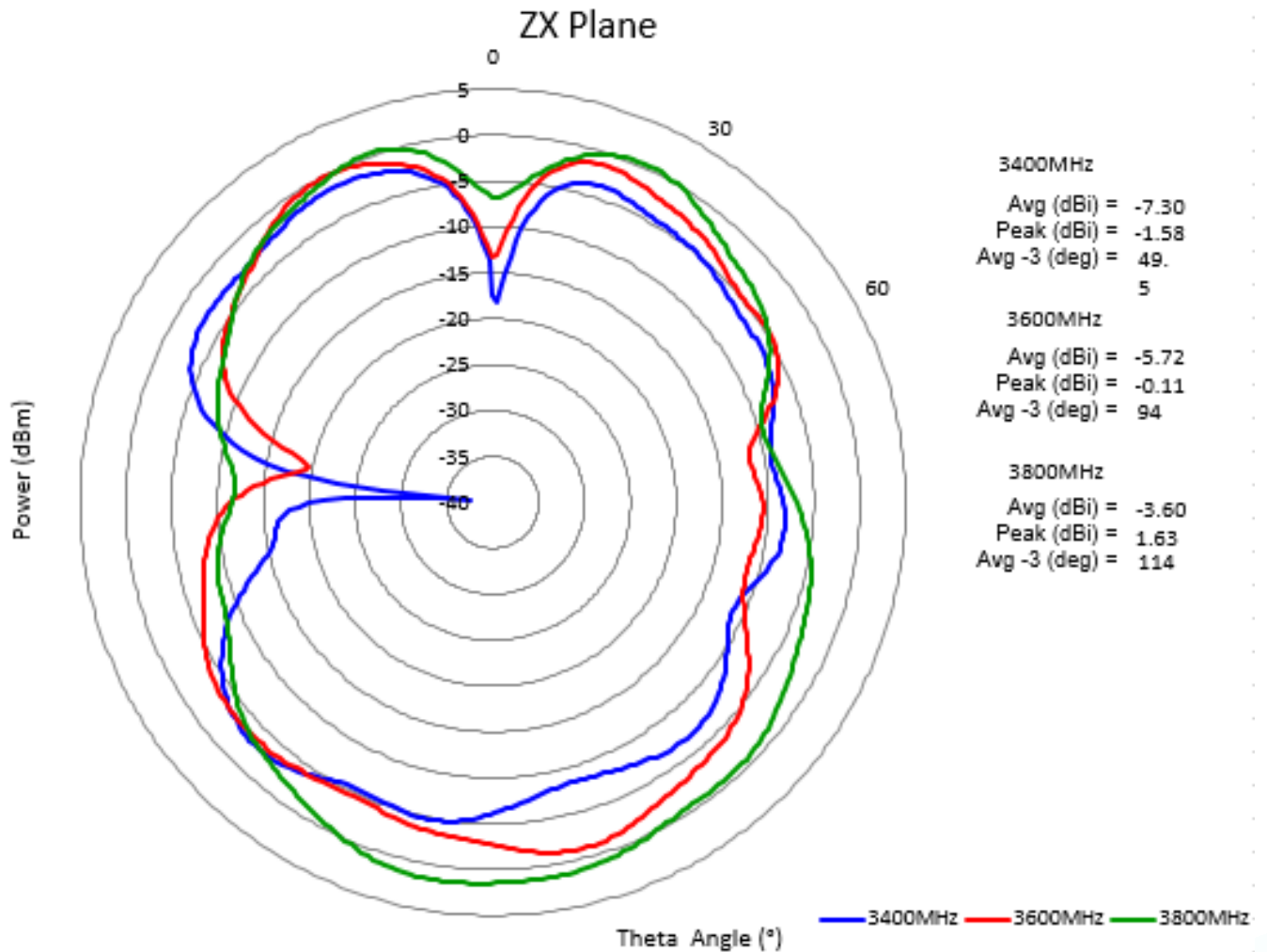
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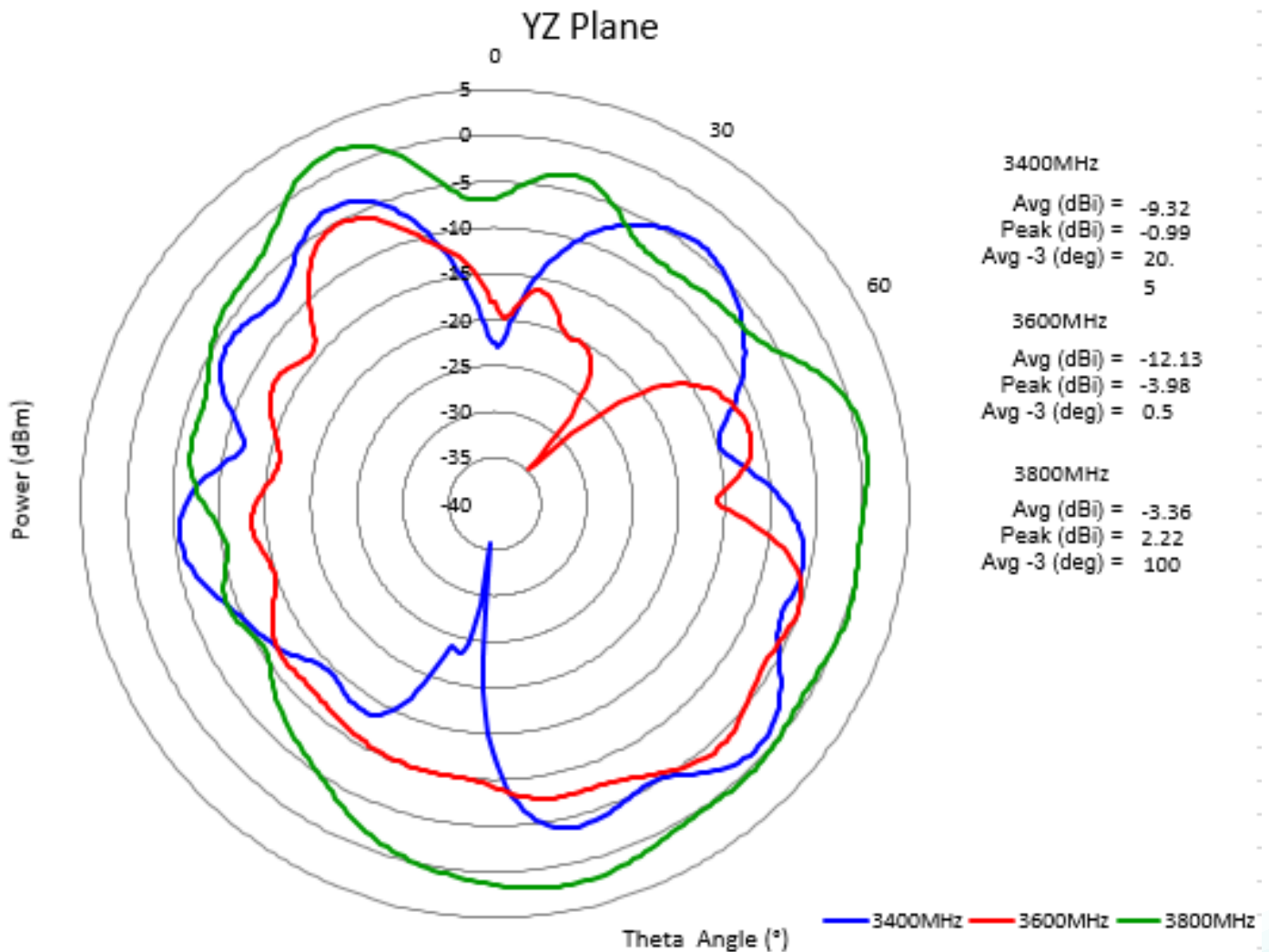
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## PACKAGING

1pcs antennas per foam bag

12pcs antennas per package box

Package box: 558mm\*386mm\*210mm

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Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.