

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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Suzhou New District
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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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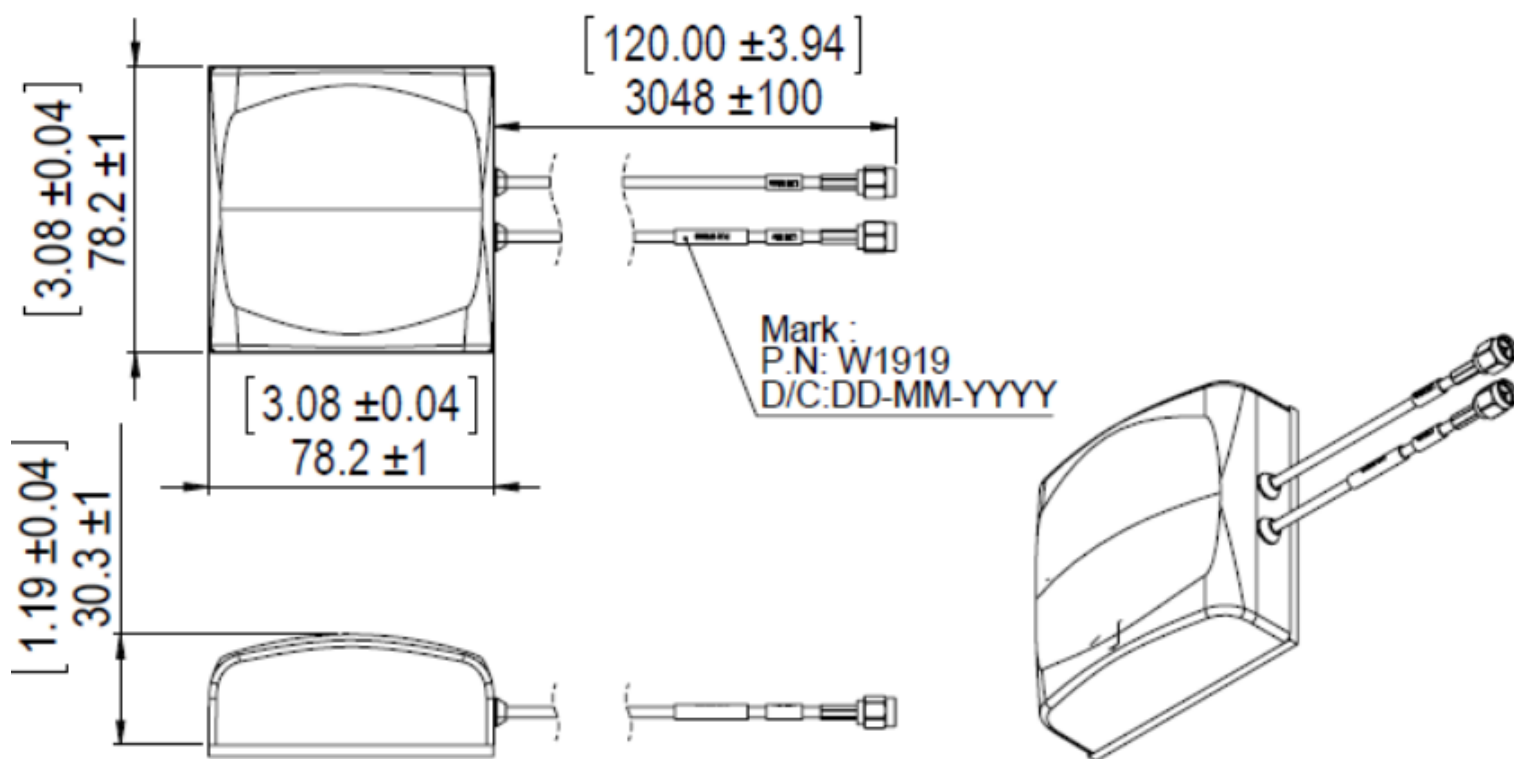
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MECHANICAL DRAWING



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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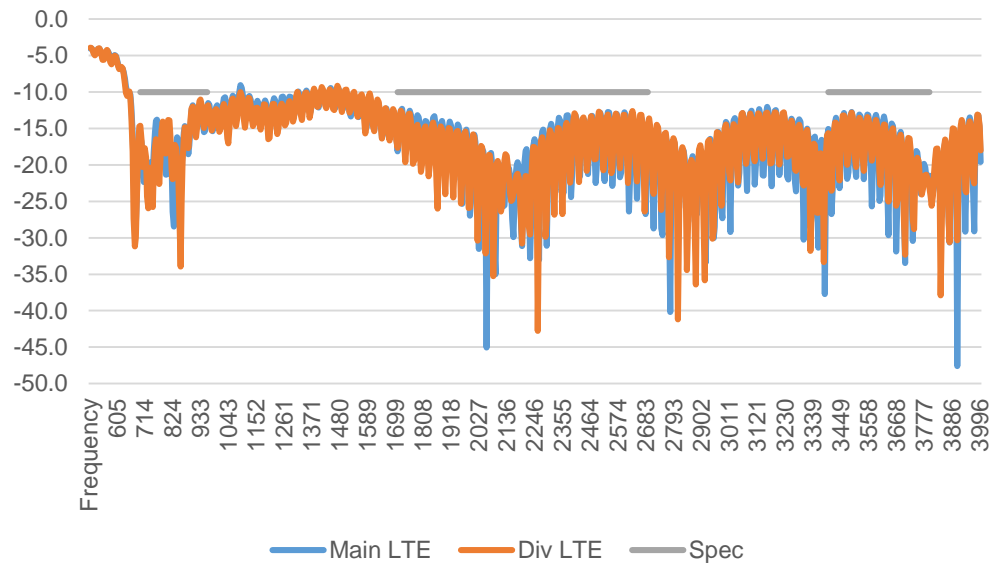
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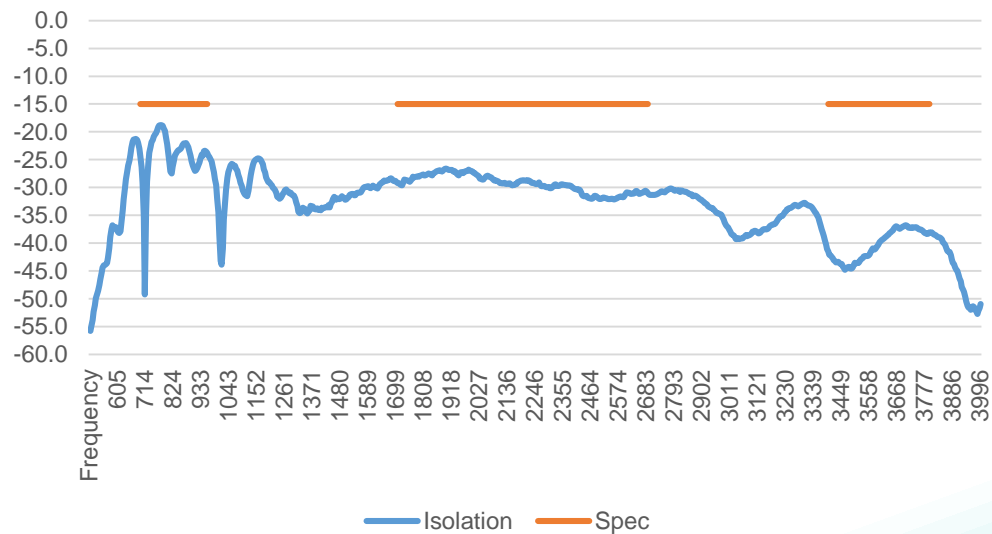
PART NUMBER: W1919

CHARTS

Return Loss



Isolation



Note : Antenna measured with 10ft cable

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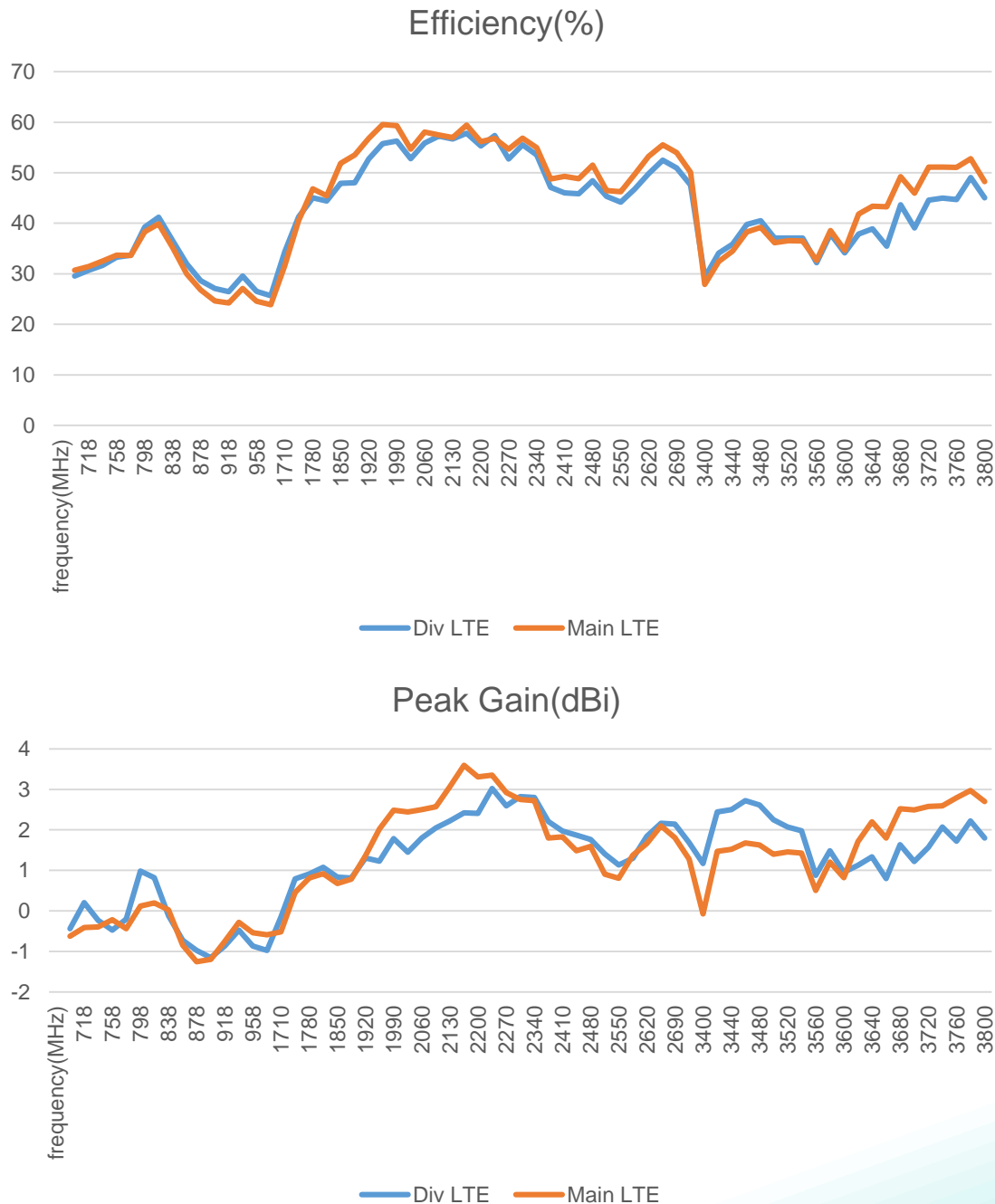
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Series: Jaguar

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

PART NUMBER: W1919

CHARTS



Note : Antenna measured in free space with 150mm cable

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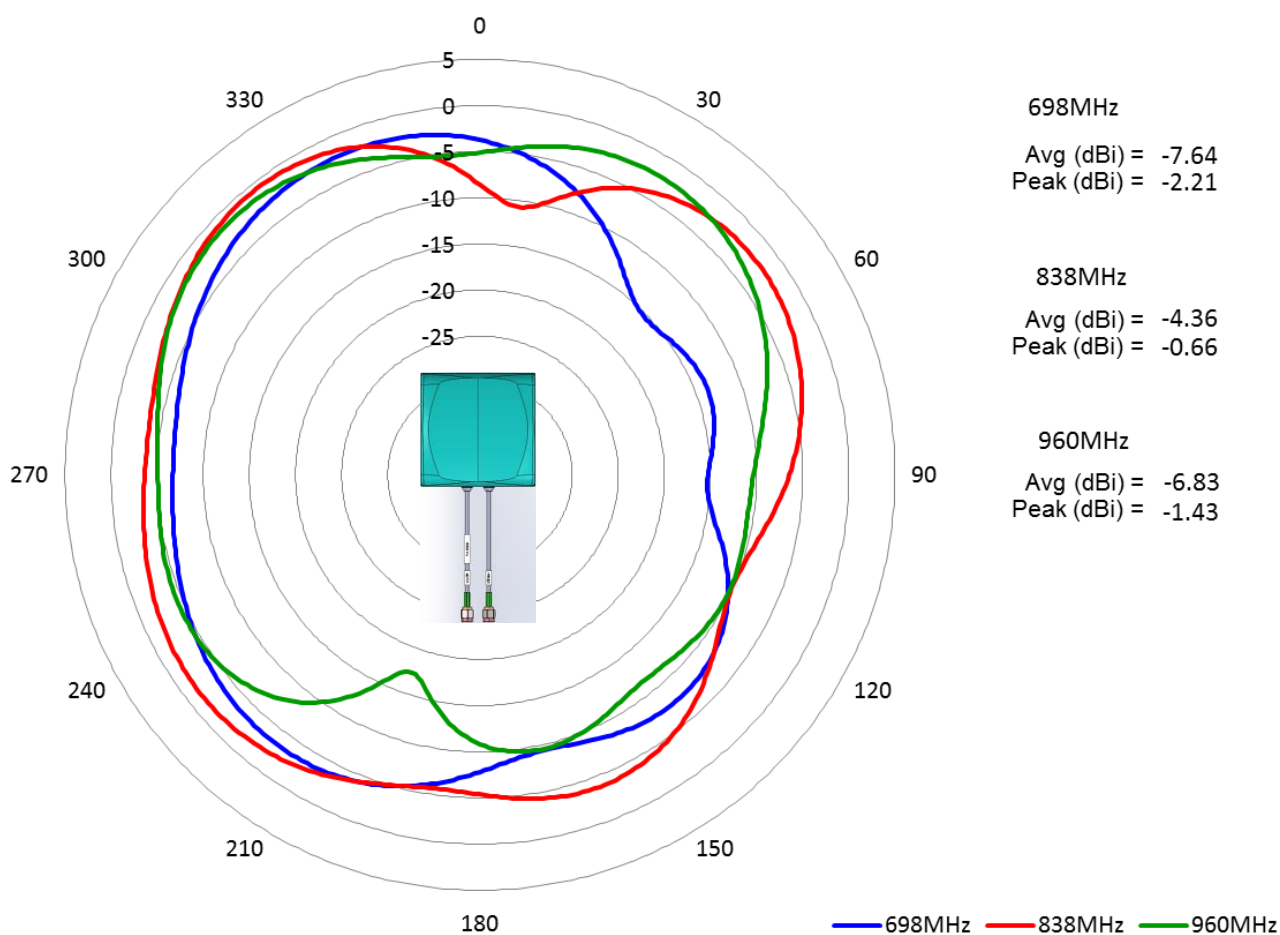
Description: 3G/4G LTE 2xMiMo Vehicular Antenna

PART NUMBER: W1919

CHARTS

Gain Plots (Main LTE)

XY Plane



Note : Antenna measured in free space with 150mm cable

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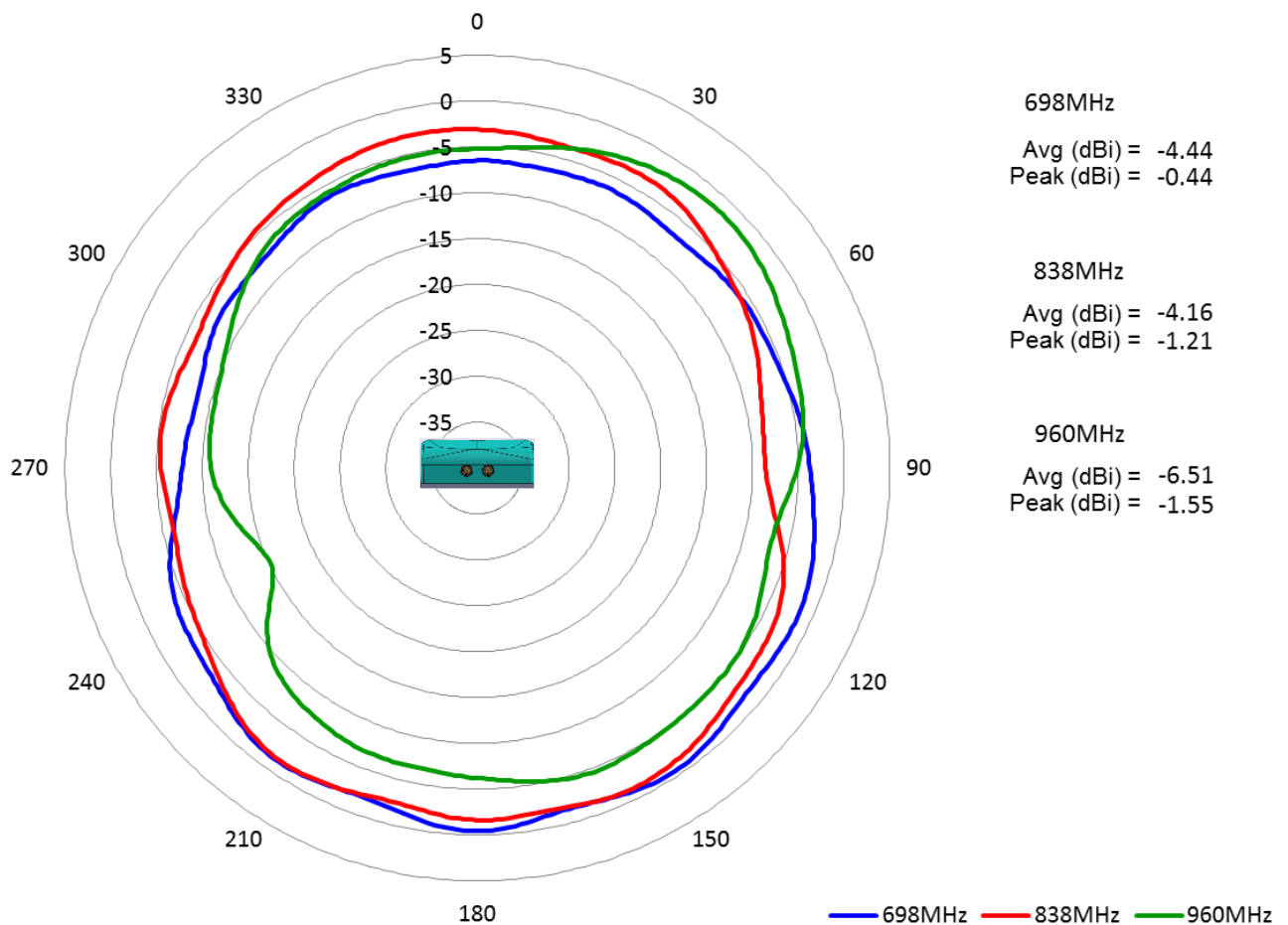
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ZX Plane



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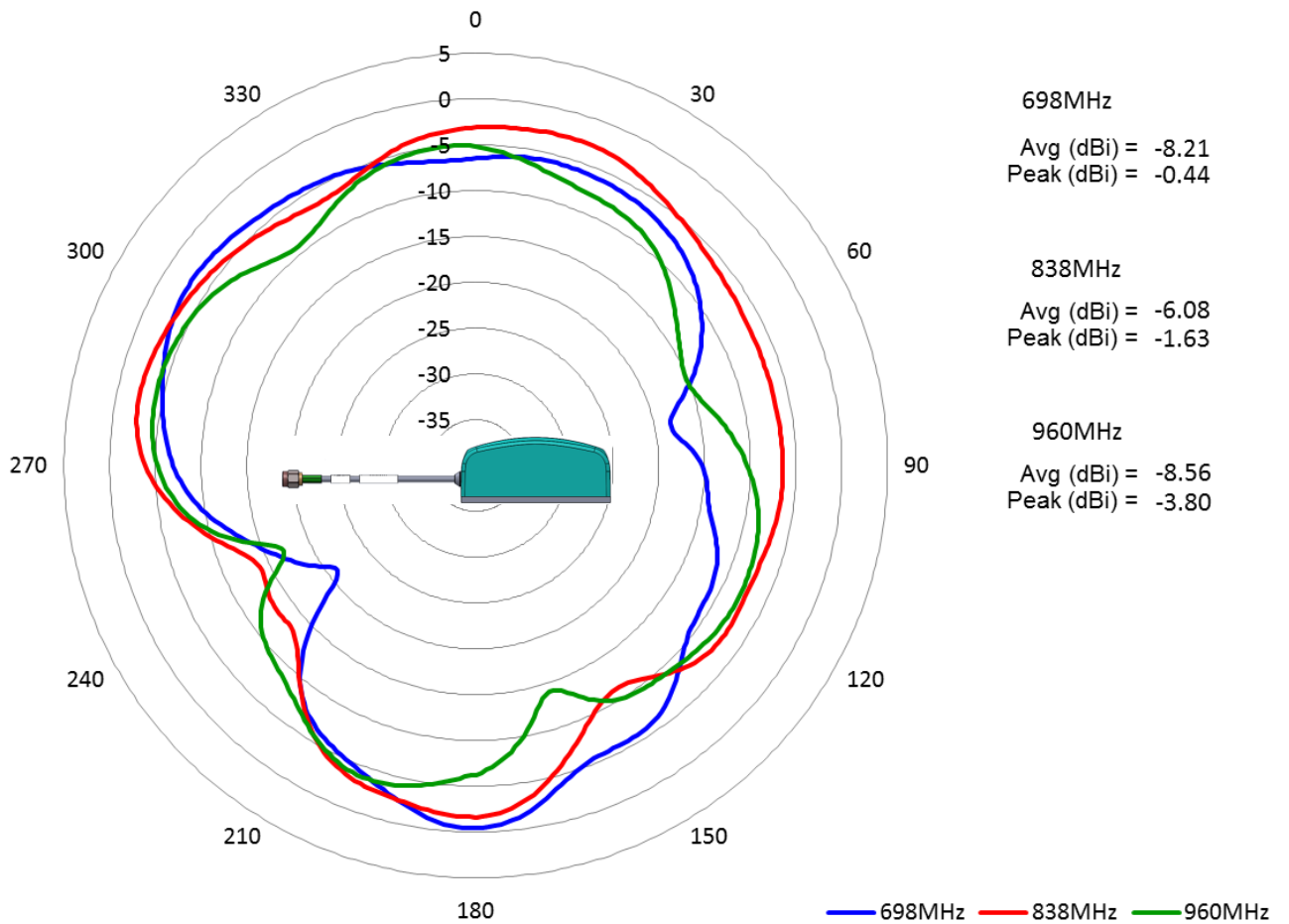
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CHARTS

Gain Plots (Main LTE)

ZY Plane



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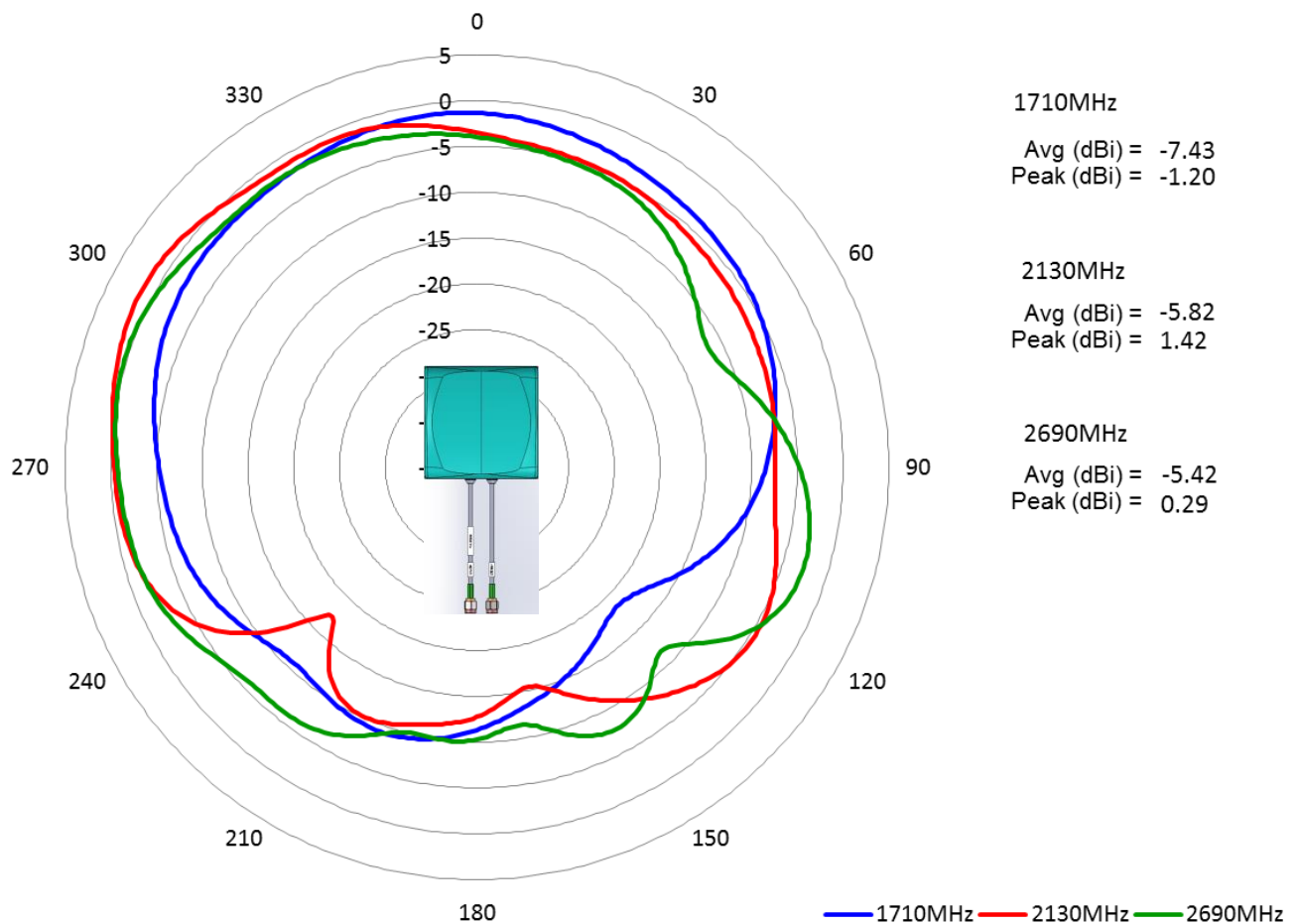
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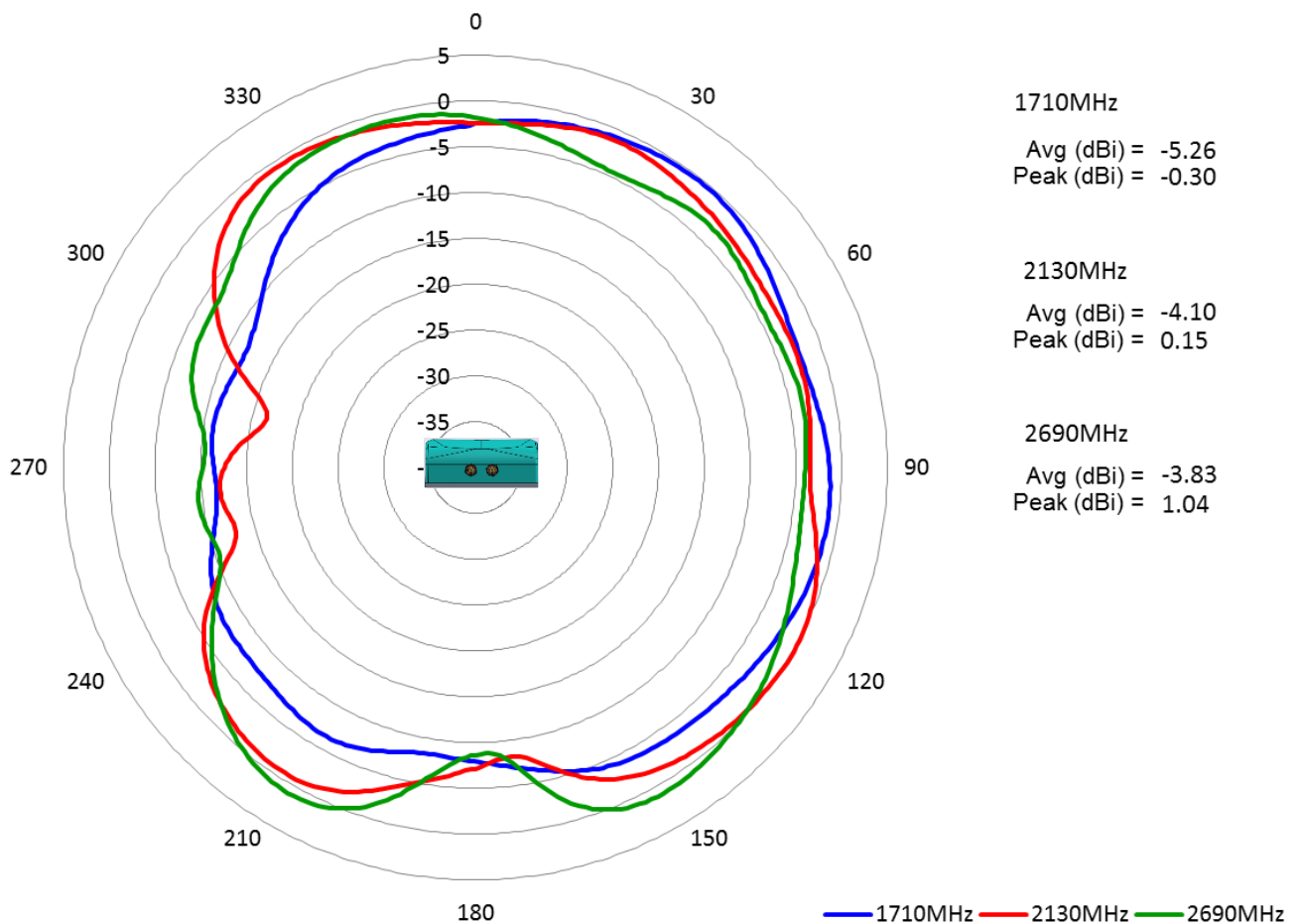
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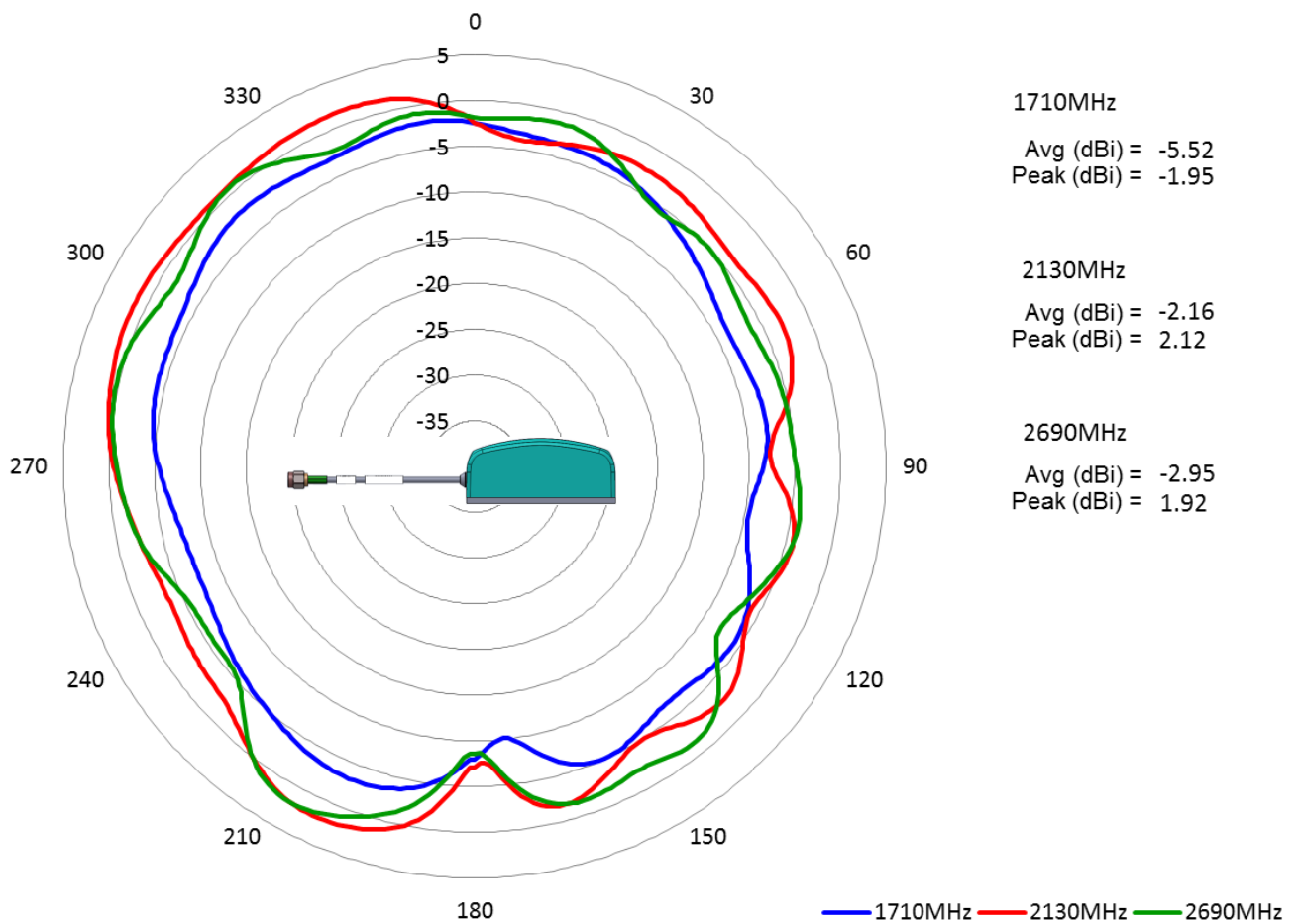
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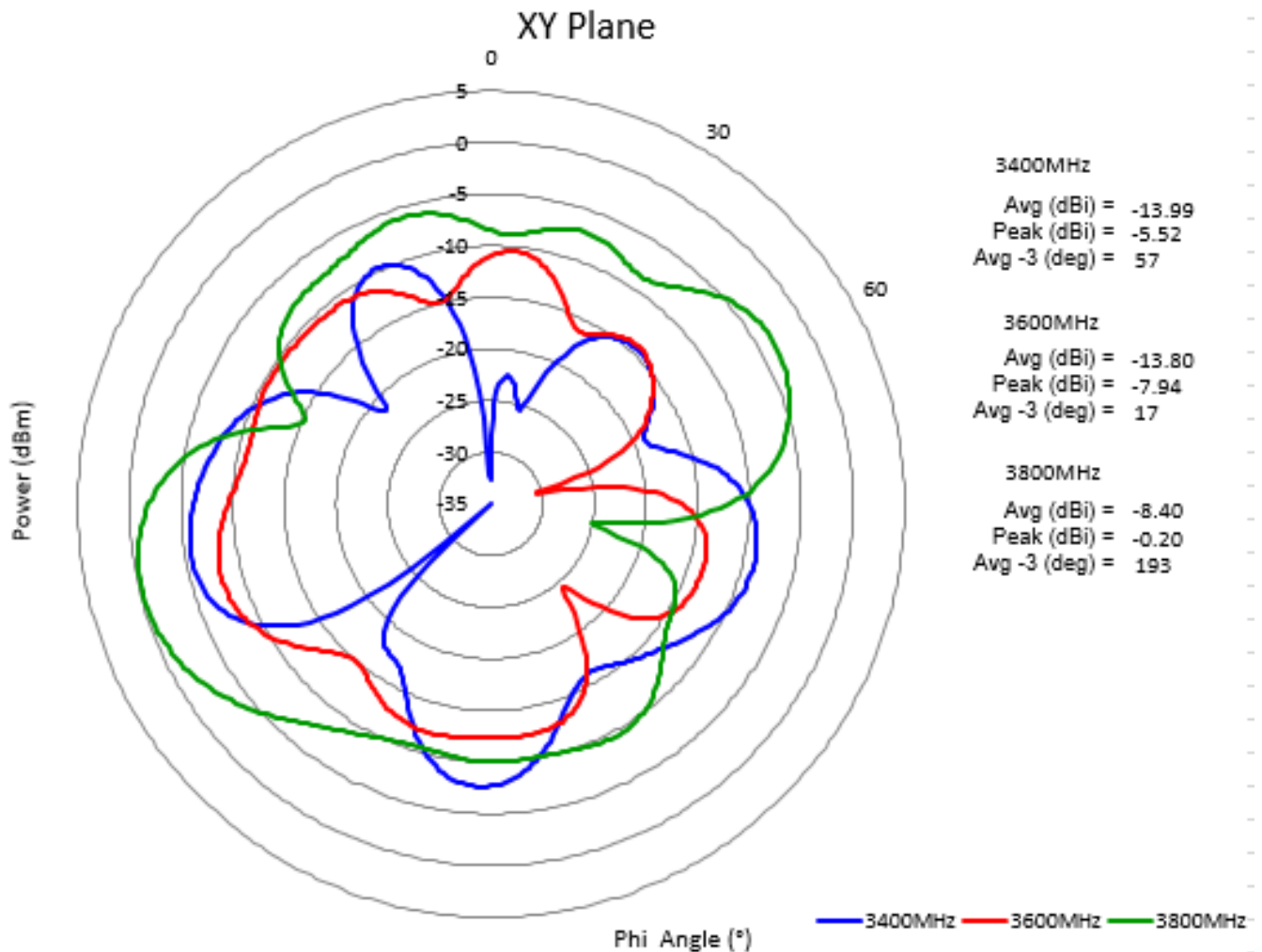
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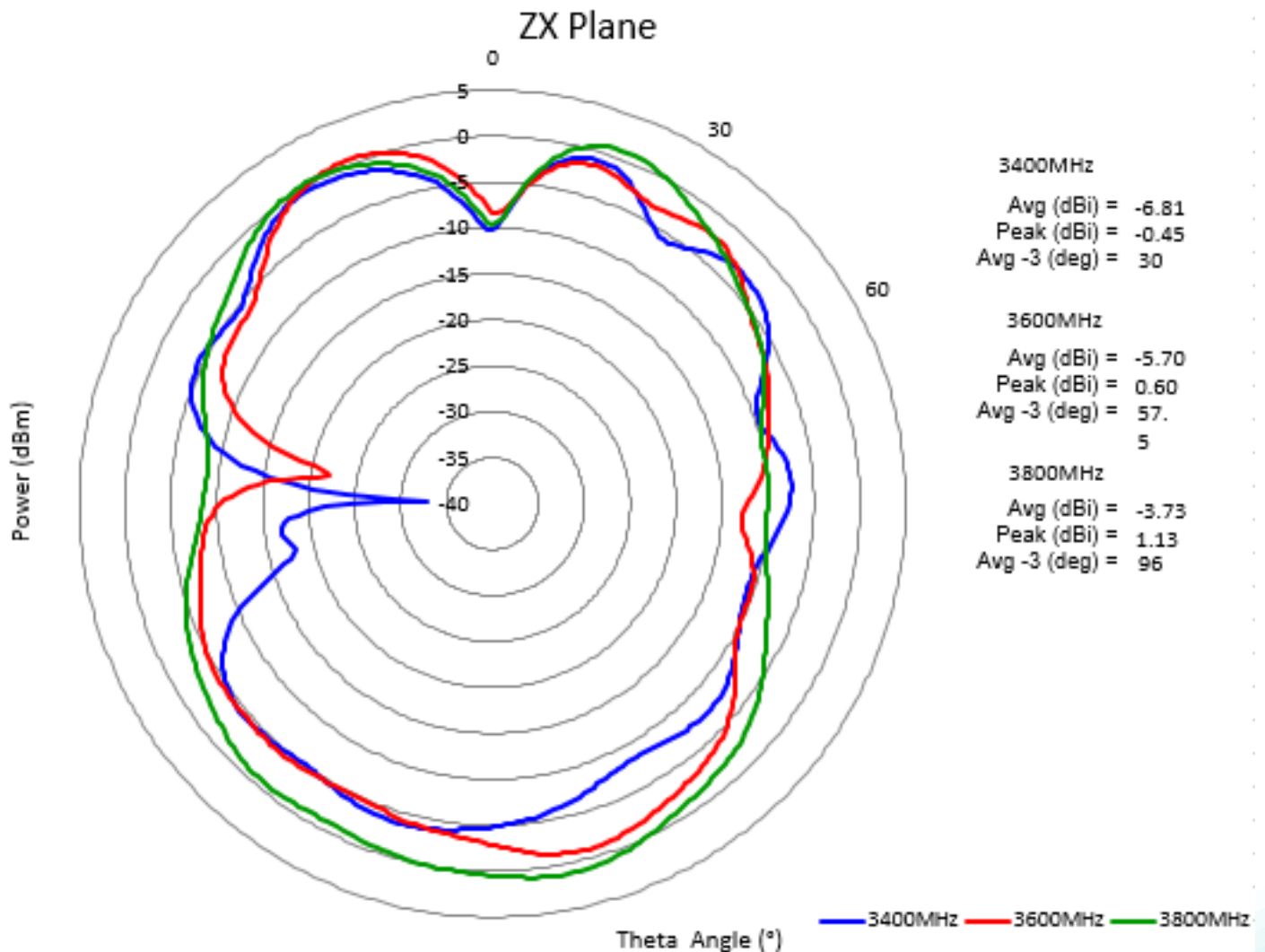
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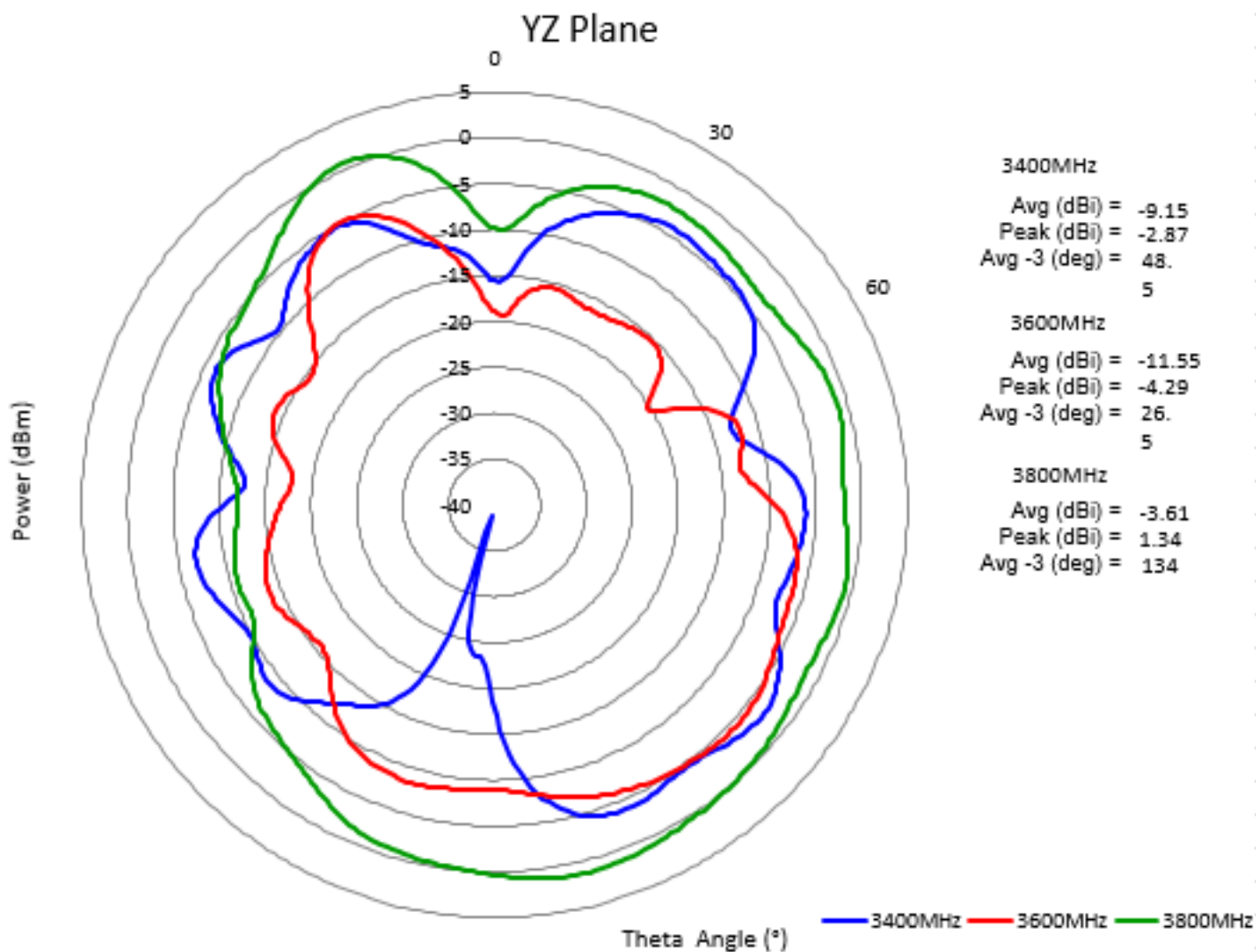
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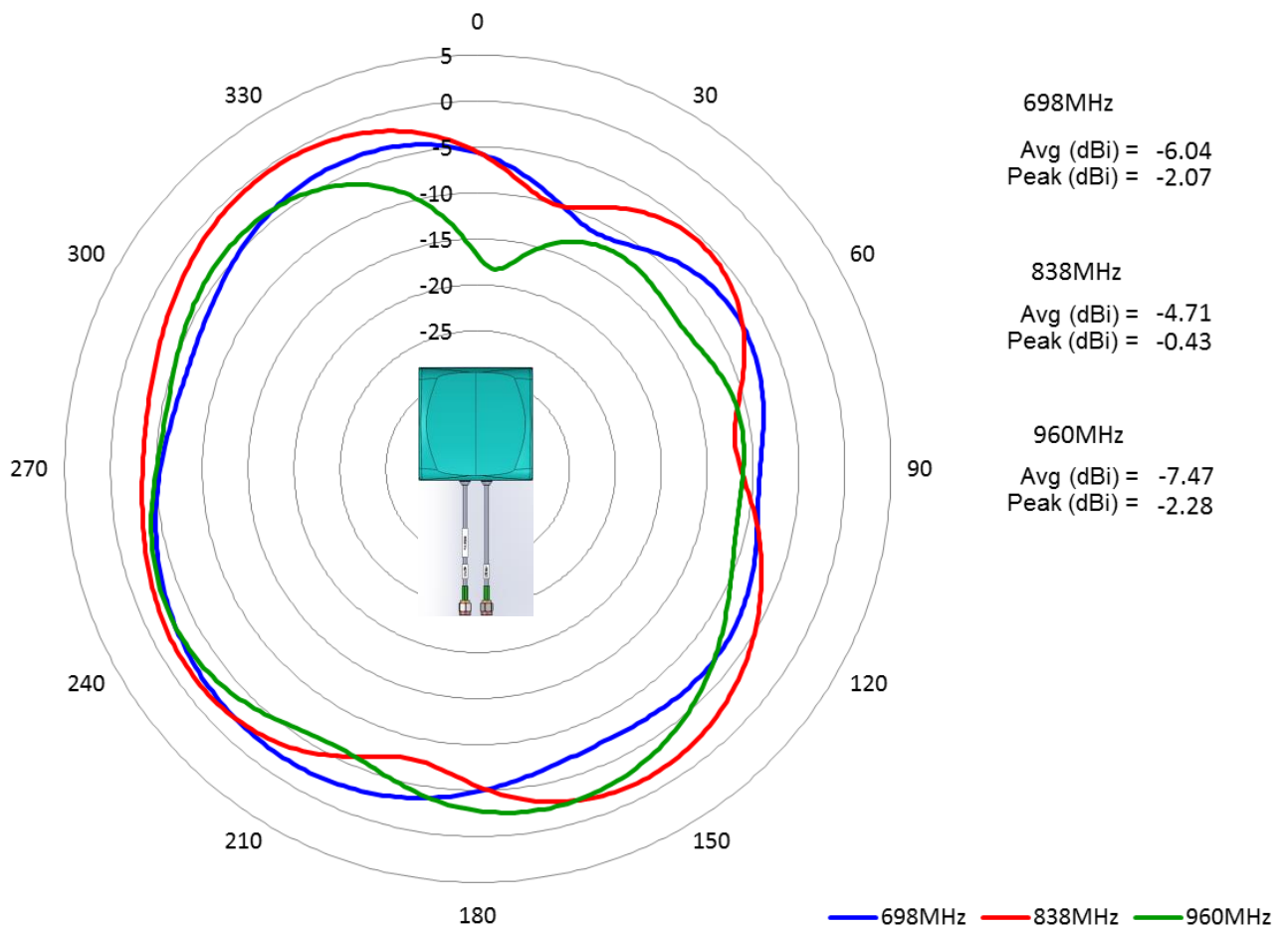
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Gain Plots (Diversity LTE)

XY Plane



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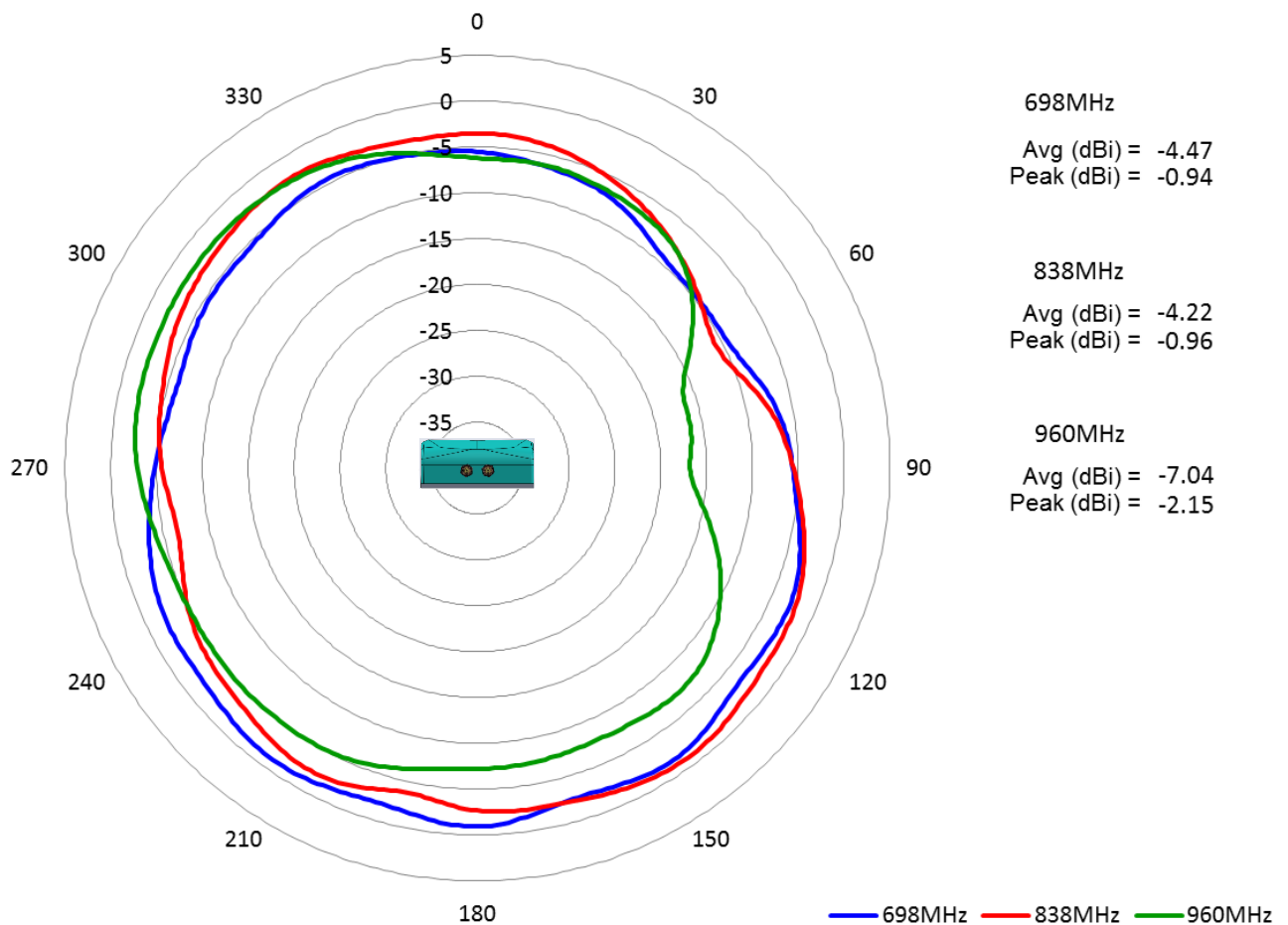
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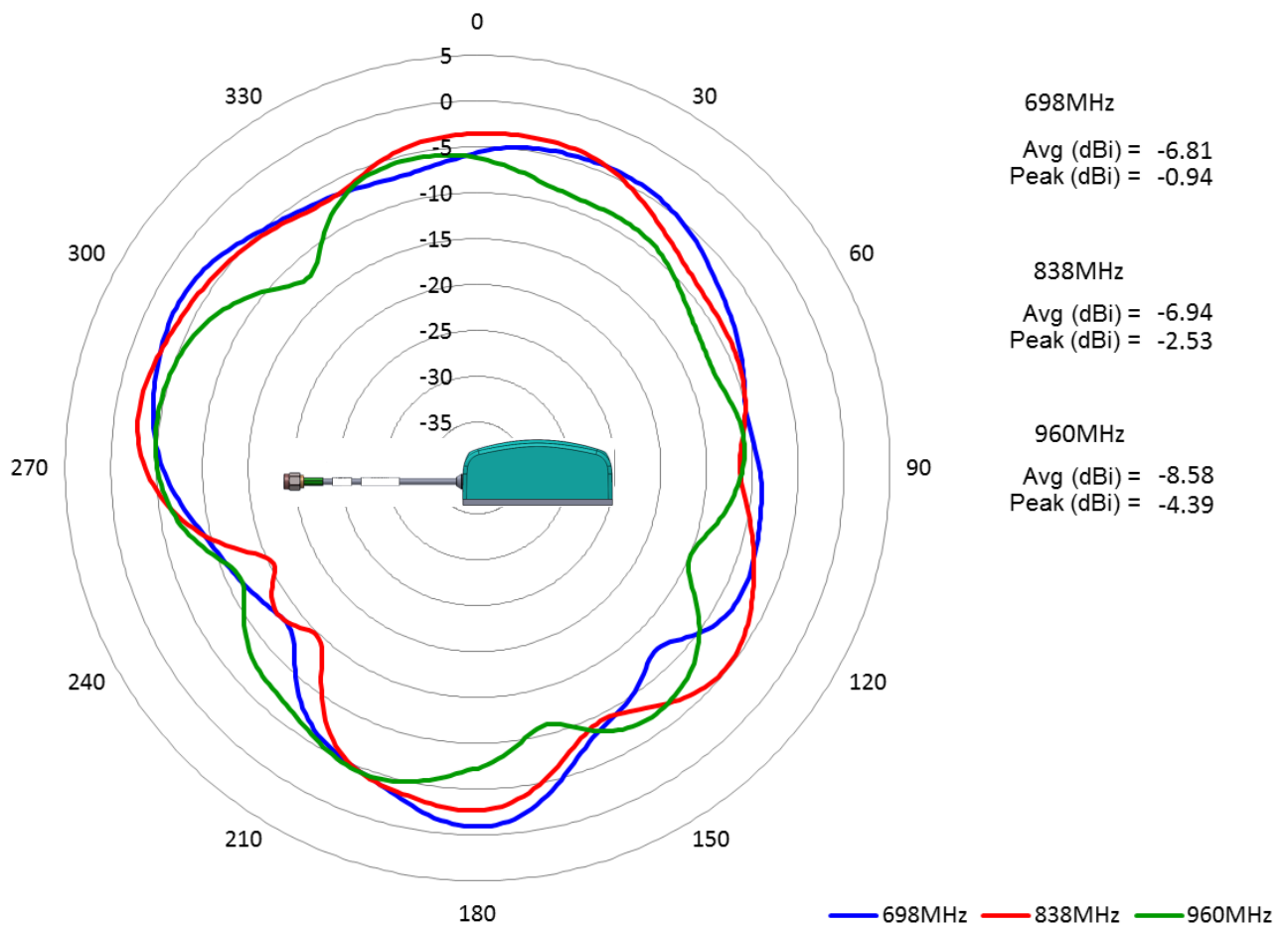
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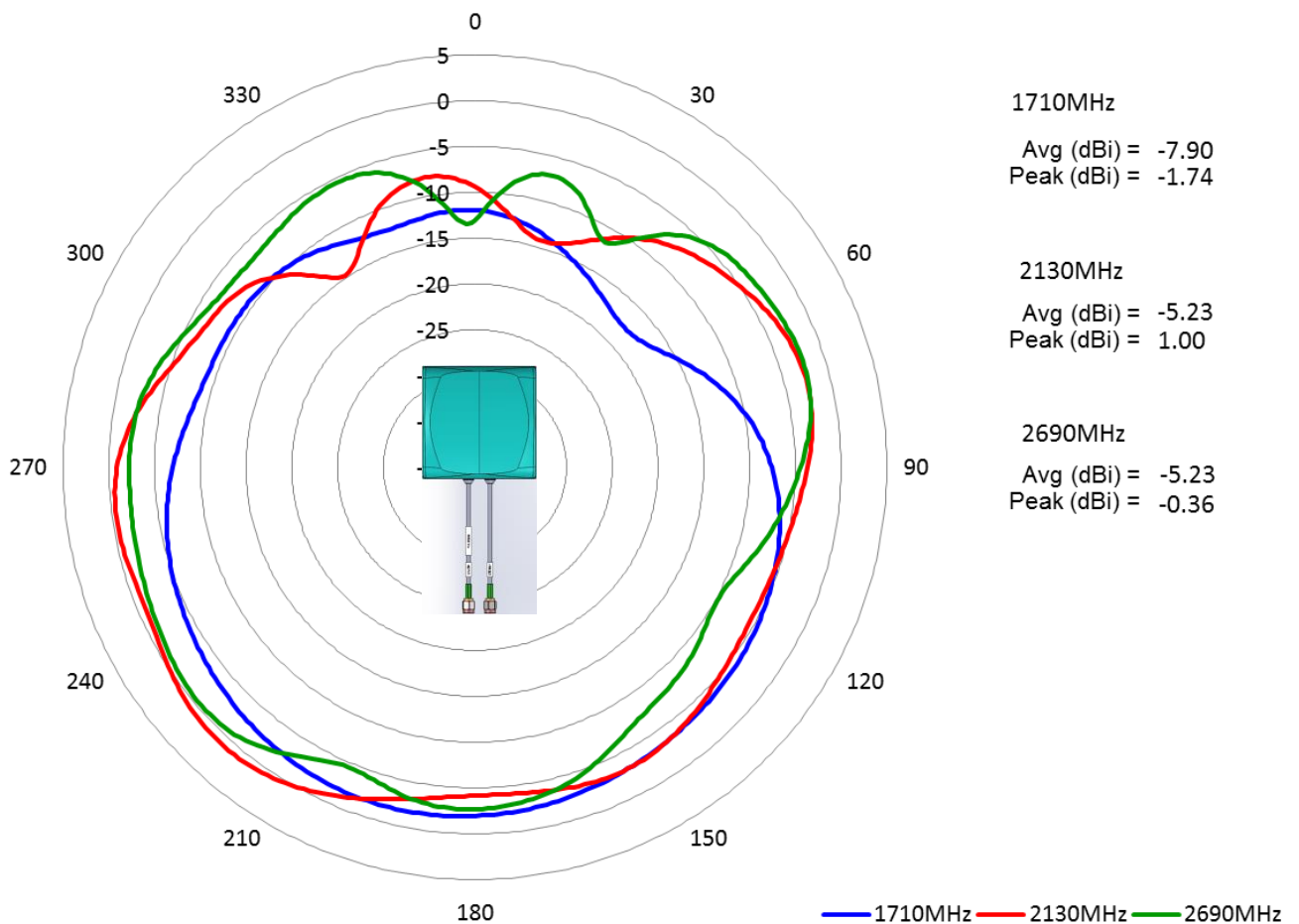
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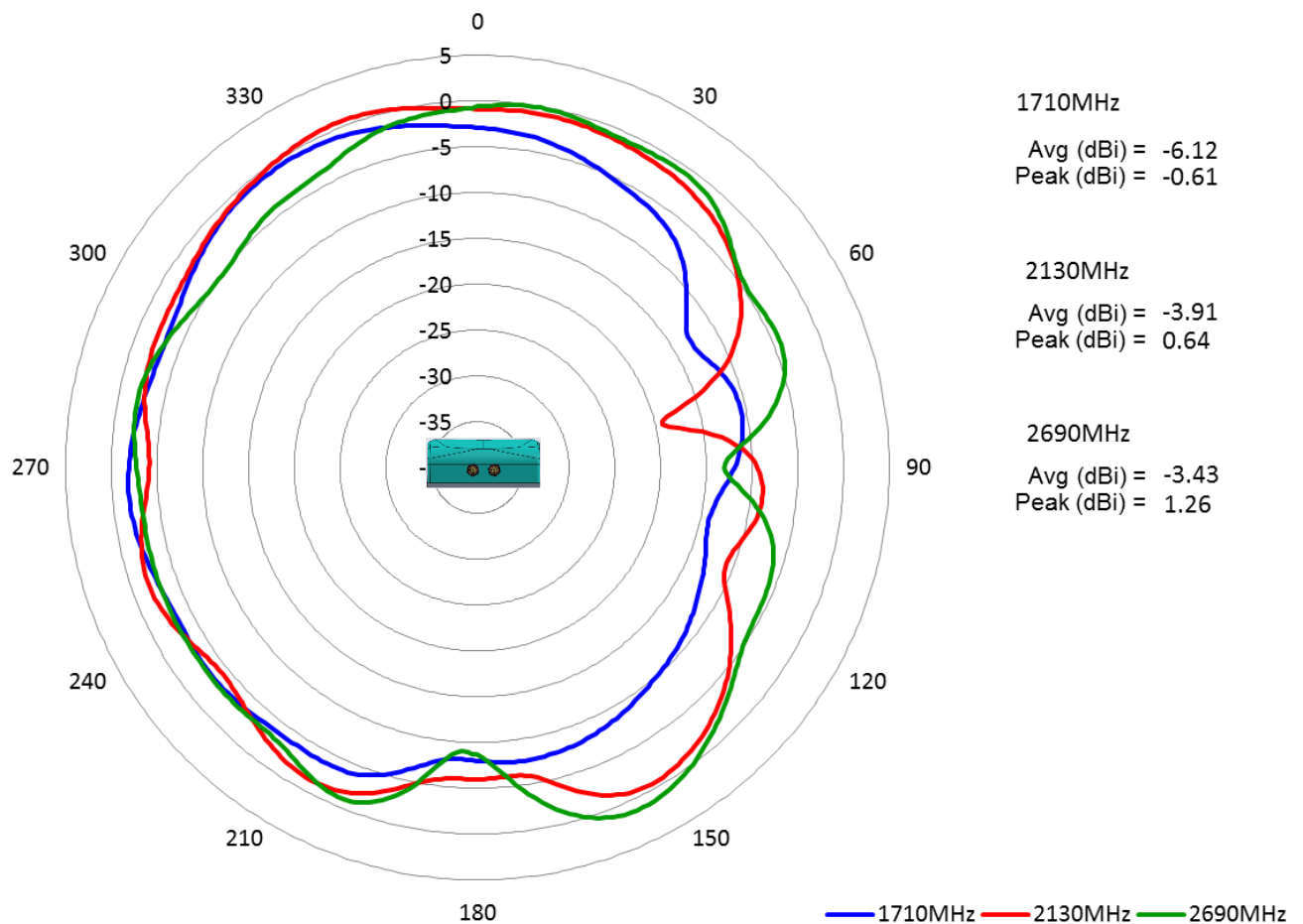
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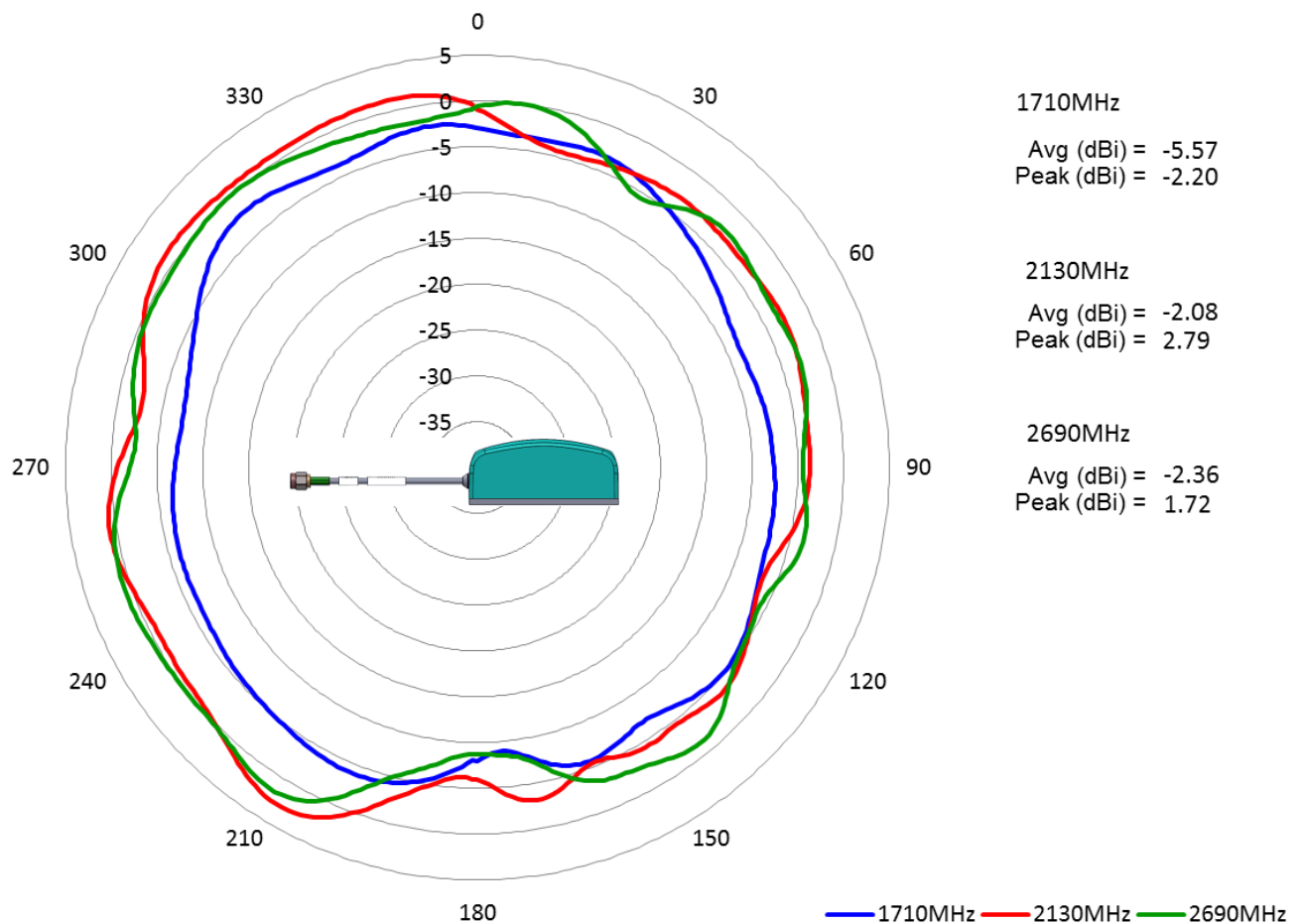
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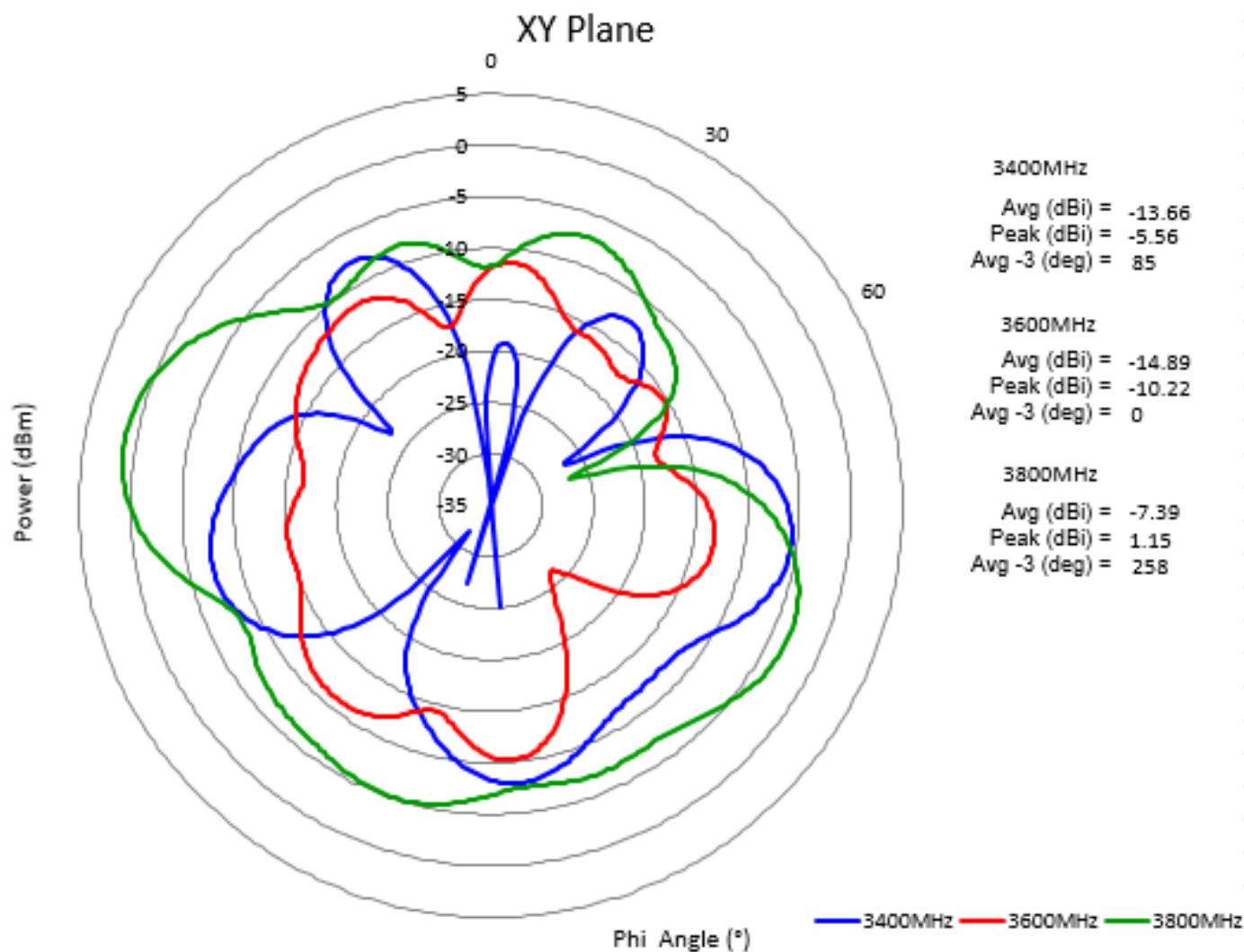
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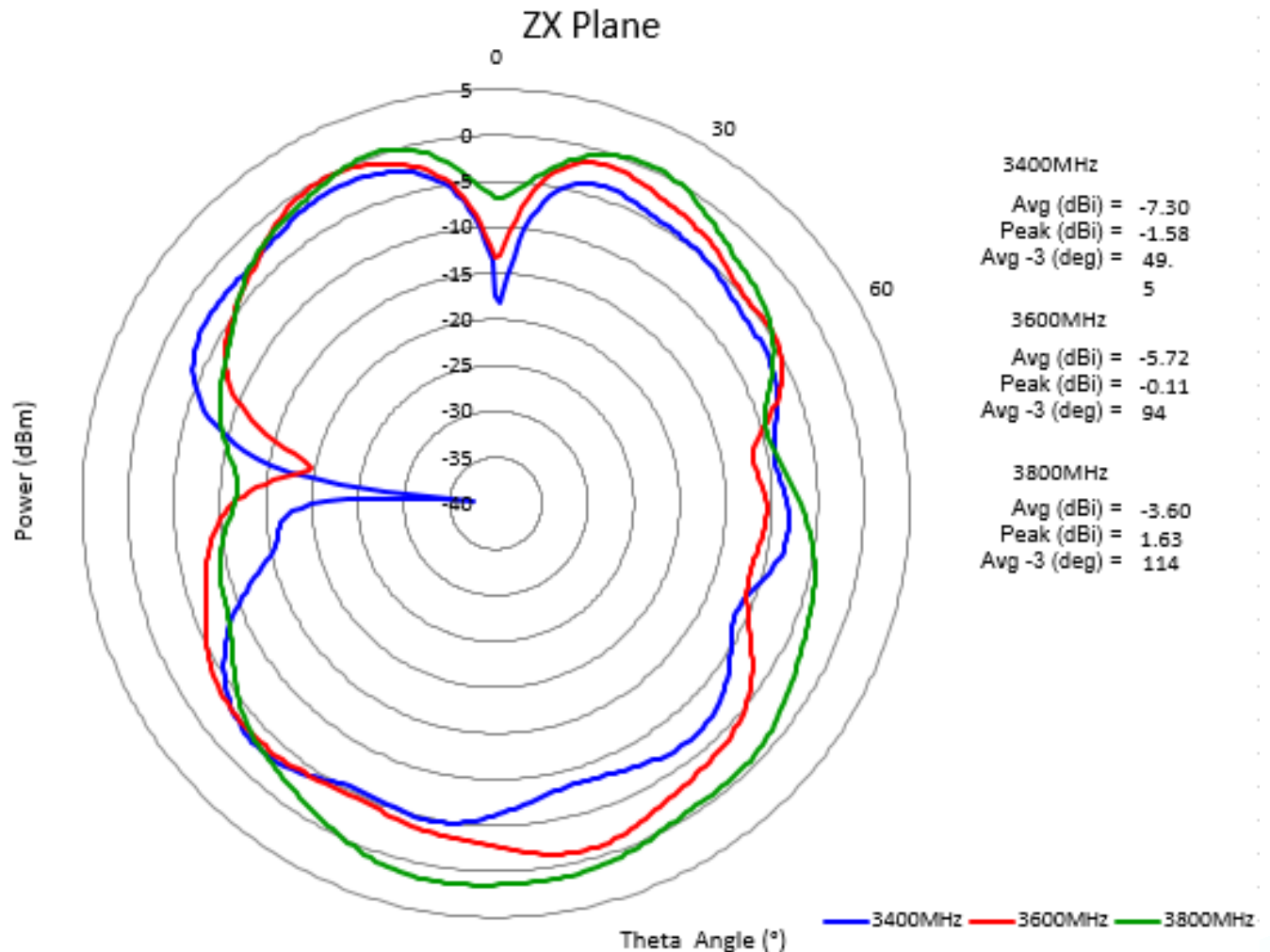
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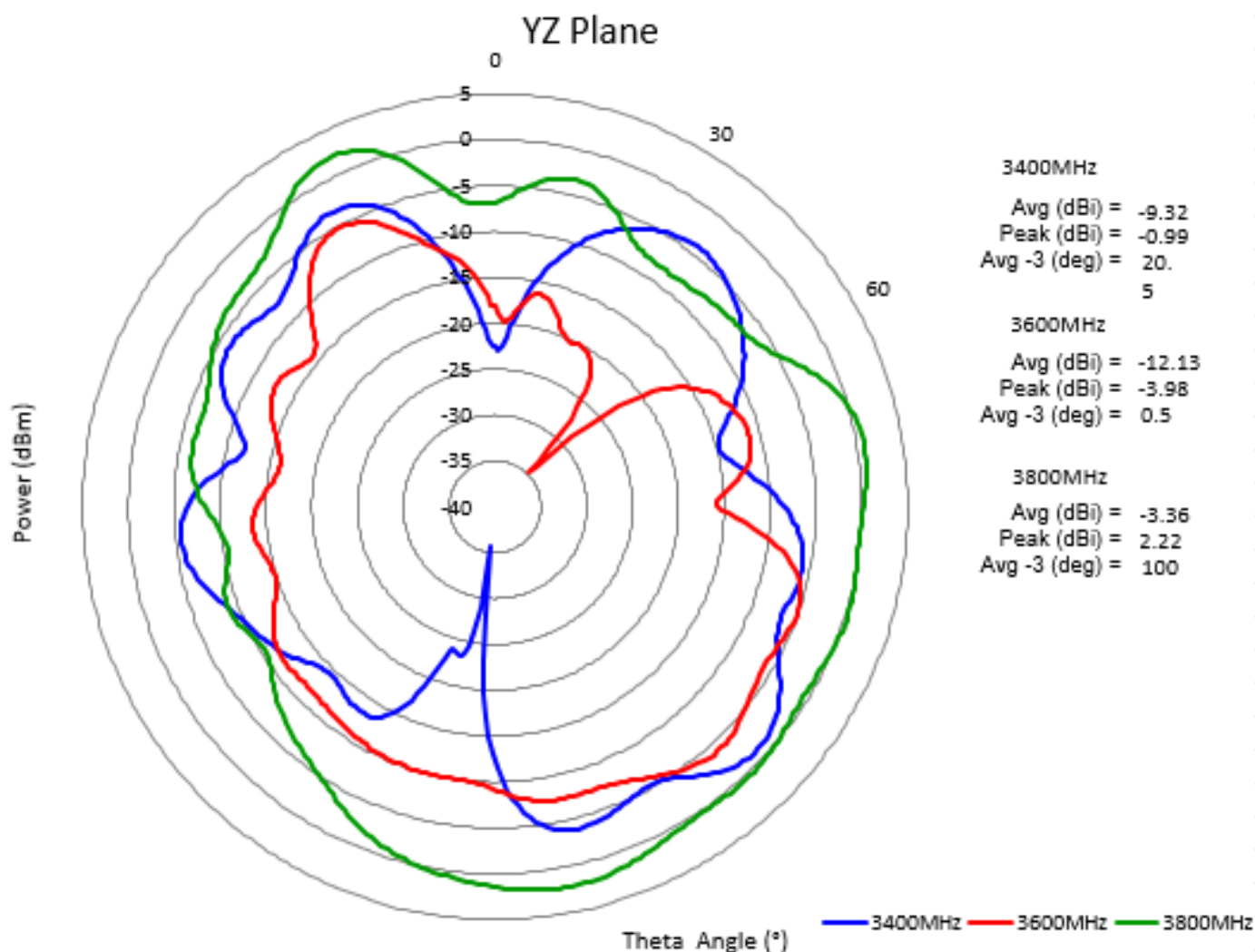
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PACKAGING

1pcs antennas per foam bag

12pcs antennas per package box

Package box: 558mm*386mm*210mm

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- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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JONHON

«JONHON» (основан в 1970 г.)

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«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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