

Description: LTE Stealth Blade Antenna

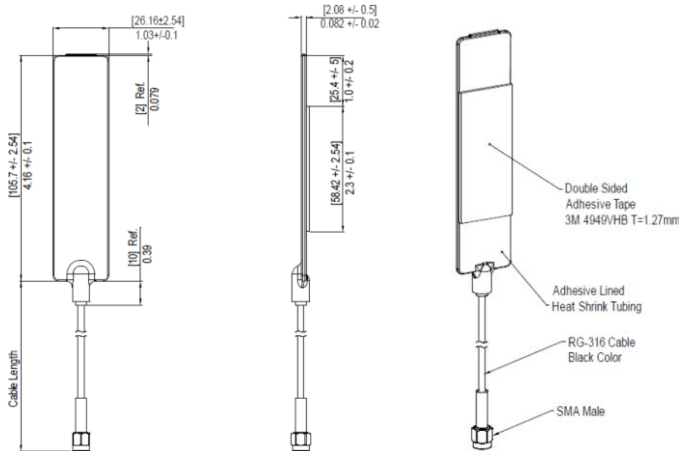
Series: SB Antenna

PART NUMBER: W1991



Features:

- Cost-effective, high-performance solution for LTE 698-2700MHz
- Slim, low-profile without sacrificing mechanical performance
- Multiple cable lengths and connector options
- Adhesive mount
- Flexible board
- IP-67 rating when installed to compliant surface
- RoHS Compliant Product
- Multiple and dual frequency products available



Applications:

- WLAN, LTE and 3G/4G applications
- Public Safety
- IoT - Vending/Smart Metering
- Access Points
- Vehicular (window, dashboard, visor)
- Data transmission

Projects	Connector	Cable Type	Cable Length	Weight
W1991	SMA Male	RG-316 Black	10' / 3048mm	44g
W1991AV			2' / 609.6mm	23g

All dimensions are in mm / inches

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

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Tel: 86 512 6807 9998



Description: LTE Stealth Blade Antenna**Series: SB Antenna****PART NUMBER: W1991****ELECTRICAL SPECIFICATIONS**

Antenna Type	Dipole (Measured with 315mm RG-174 Cable, in free space)
Frequency	698-960/1710-2170/2300-2700MHz
Nominal Impedance	50 Ω
VSWR	2.5:1 Max
Peak Gain (698-960)	2 dBi
Peak Gain (1710-2700)	2 dBi
Efficiency (698-960)	50 %
Efficiency (1710-2700)	60 %
HPBW Horizontal Plane	Omni
HPBW Vertical Plane (698-960)	40°
HPBW Vertical Plane (1710-2170)	70°
HPBW Vertical Plane (2300-2700)	55°
Polarization	Vertical
Power withstanding	3 W
Connector type	Refer to table on Page 1
Cable type	Black RG-316
Length	Refer to table on Page 1

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Description: LTE Stealth Blade Antenna**Series: SB Antenna****PART NUMBER: W1991****MECHANICAL SPECIFICATIONS**

Radome	Adhesive lined polyolefin tubing
Color	Black
Ingress Protection	IP67
Weight	Refer to table on Page 1
Overall Length	4.16 INCHES
Cable retention: Pull off	30 N mini
Fixing system	Adhesive Tape (3M VHB 4949)

ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-40 ~ +85° C
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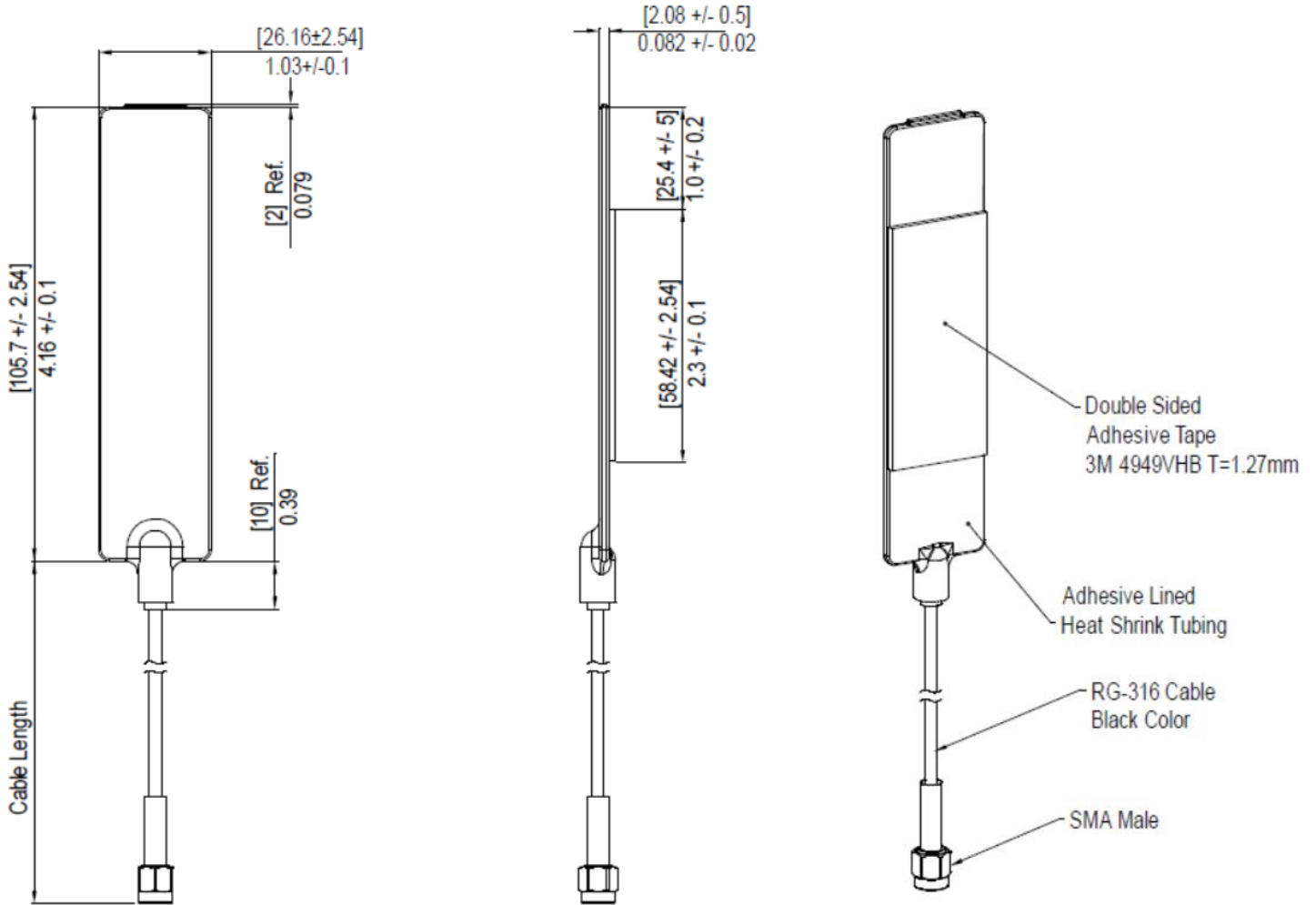
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MECHANICAL DRAWING



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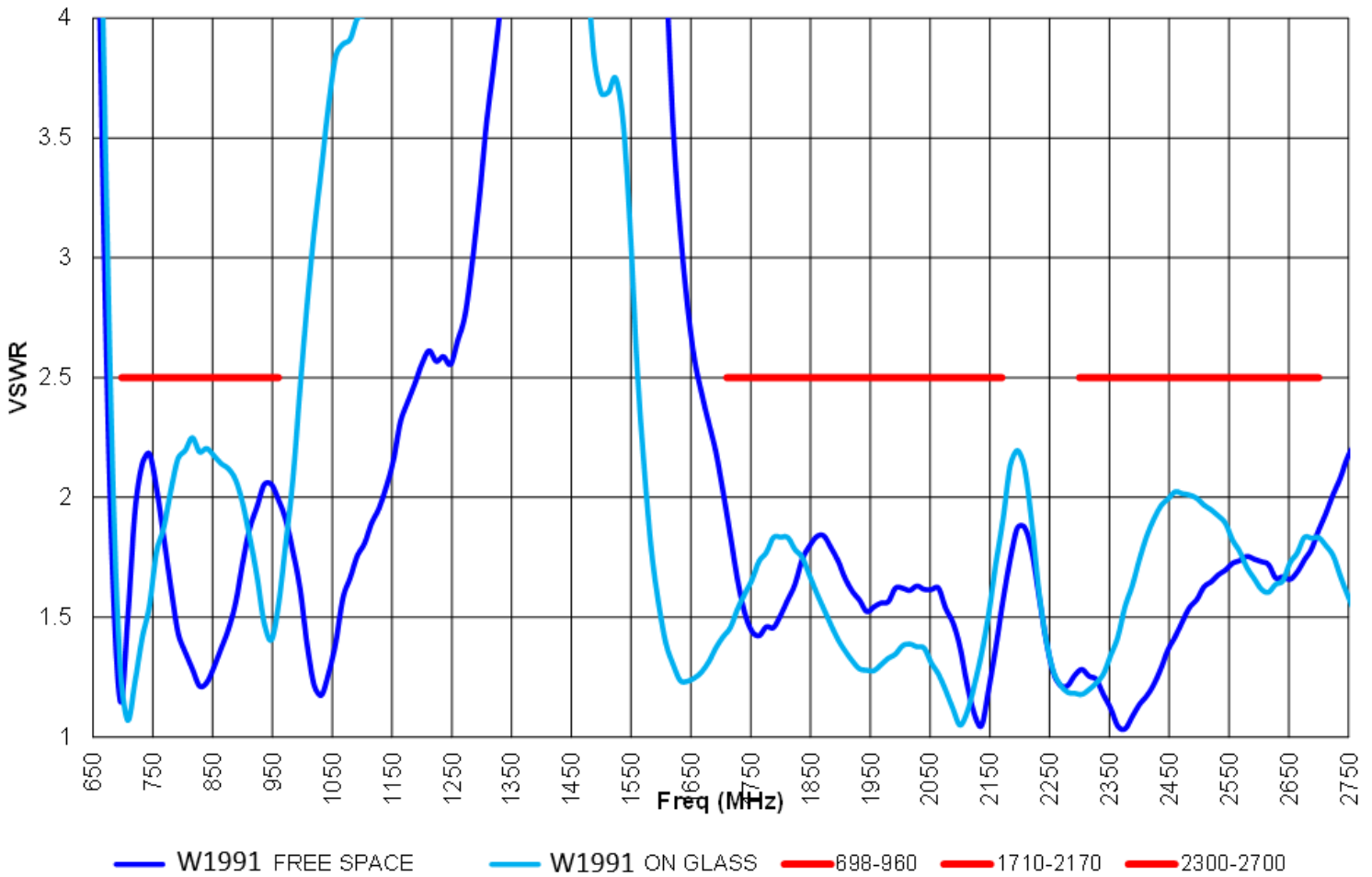
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S11 Parameter Measured with 315mm RG-174 cable



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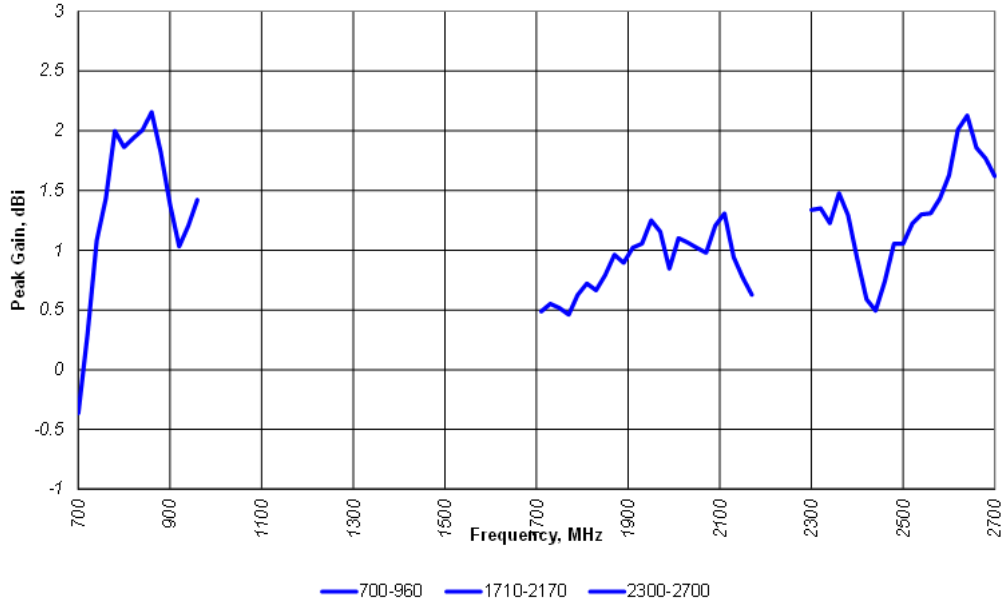
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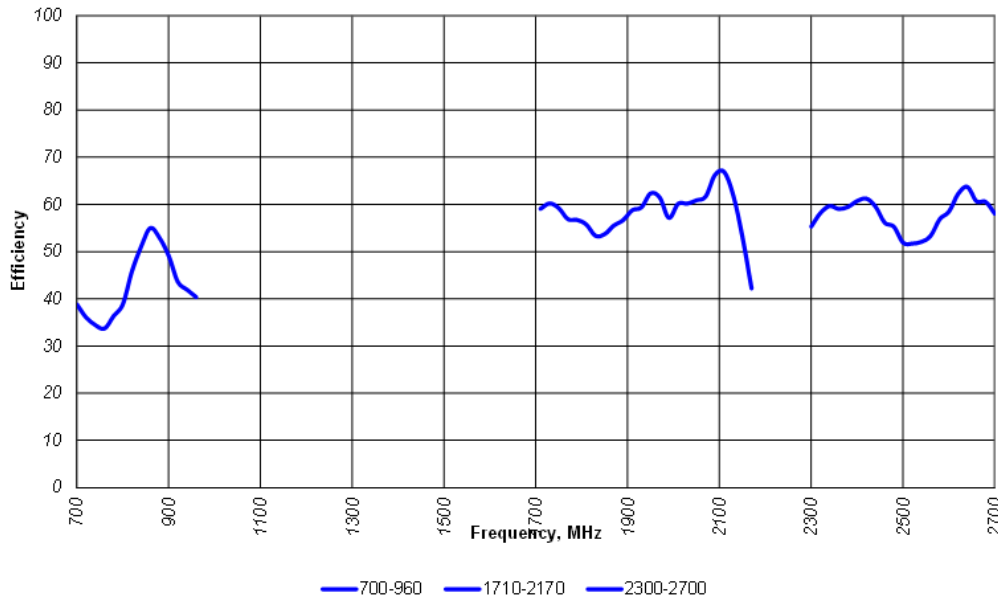
Peak Gain vs Frequency
Free space

Measured at Pulse, USA - June 01, 2016



Efficiency vs Frequency
Free space

Measured at Pulse, USA - June 01, 2016



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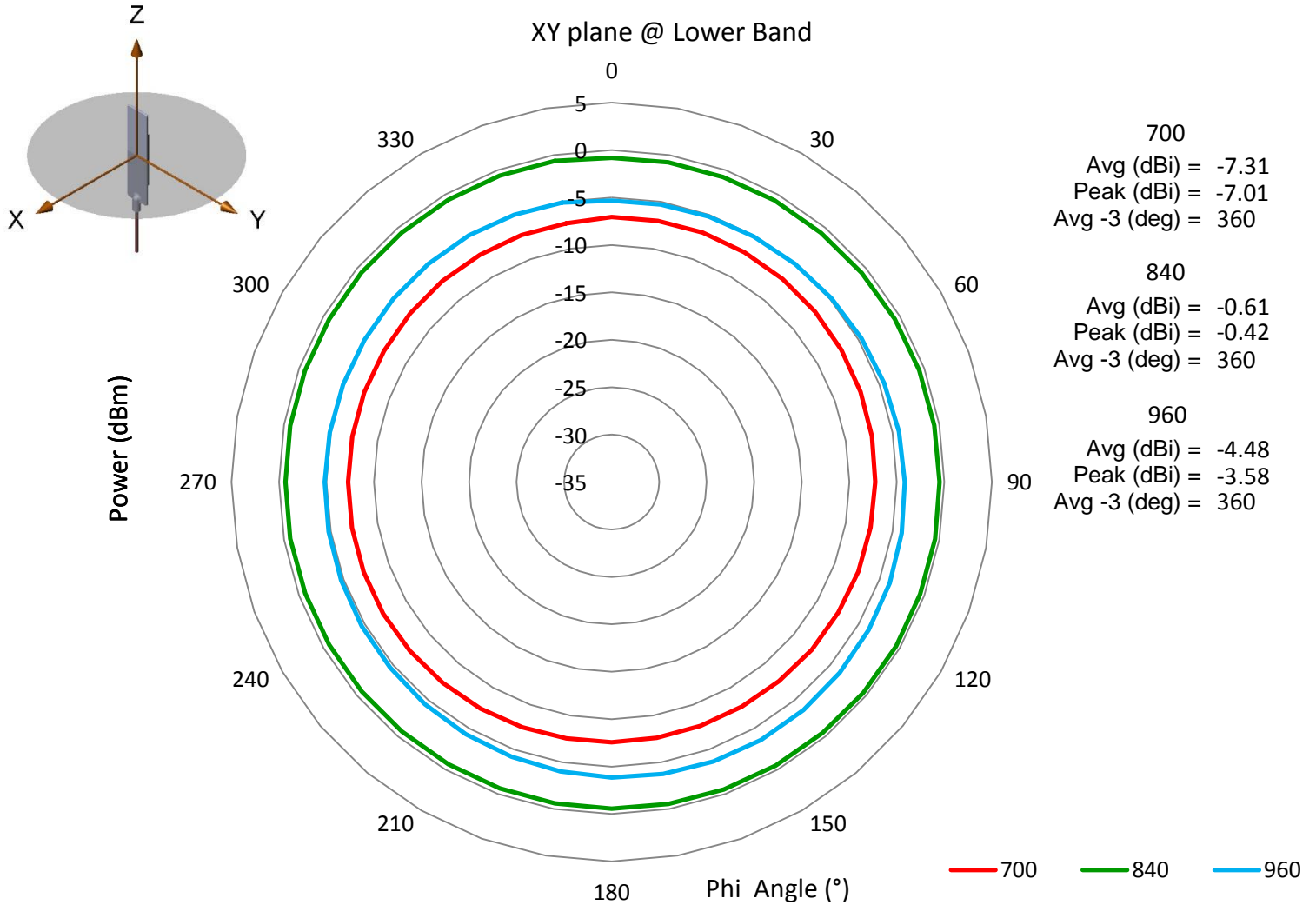


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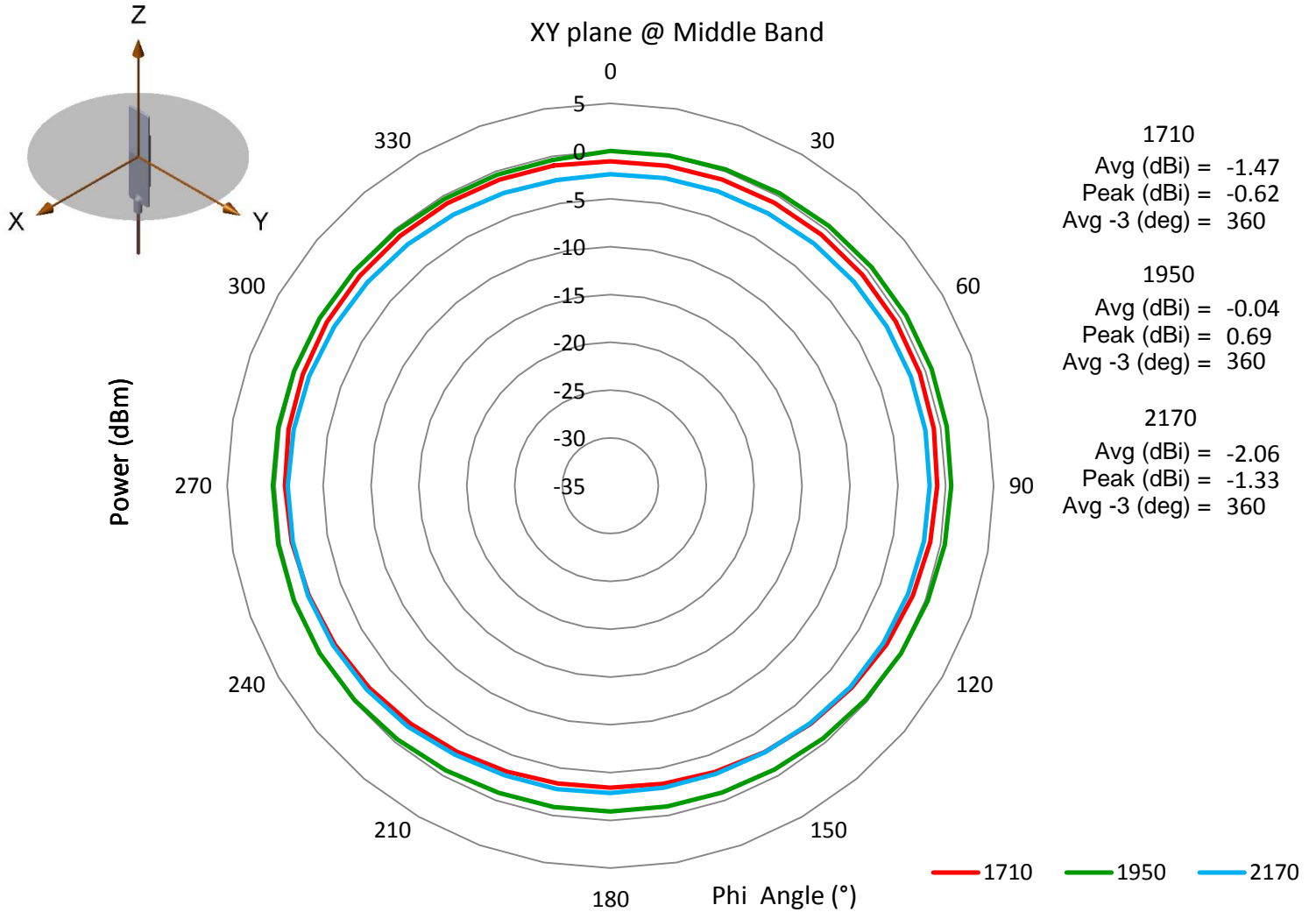
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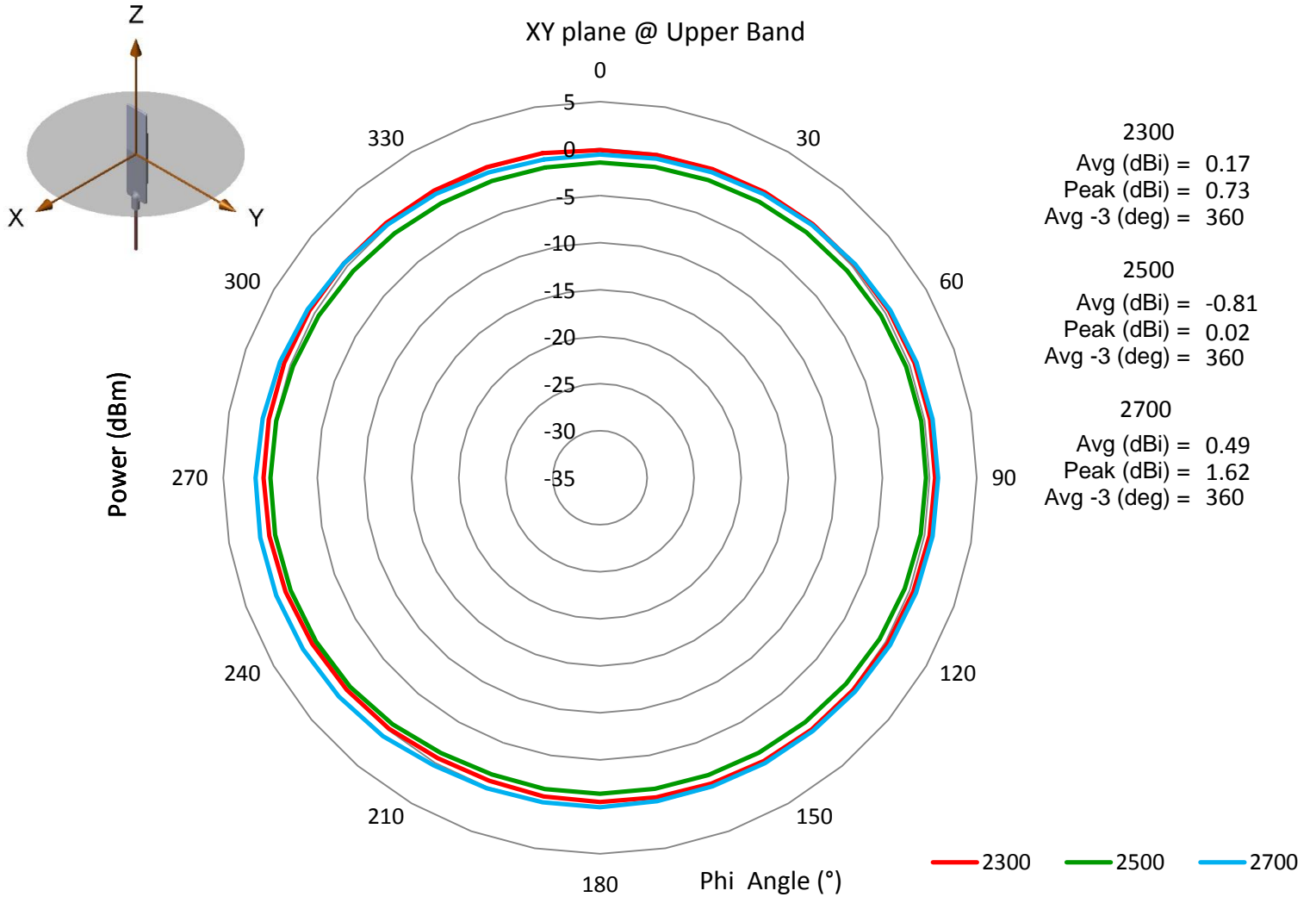
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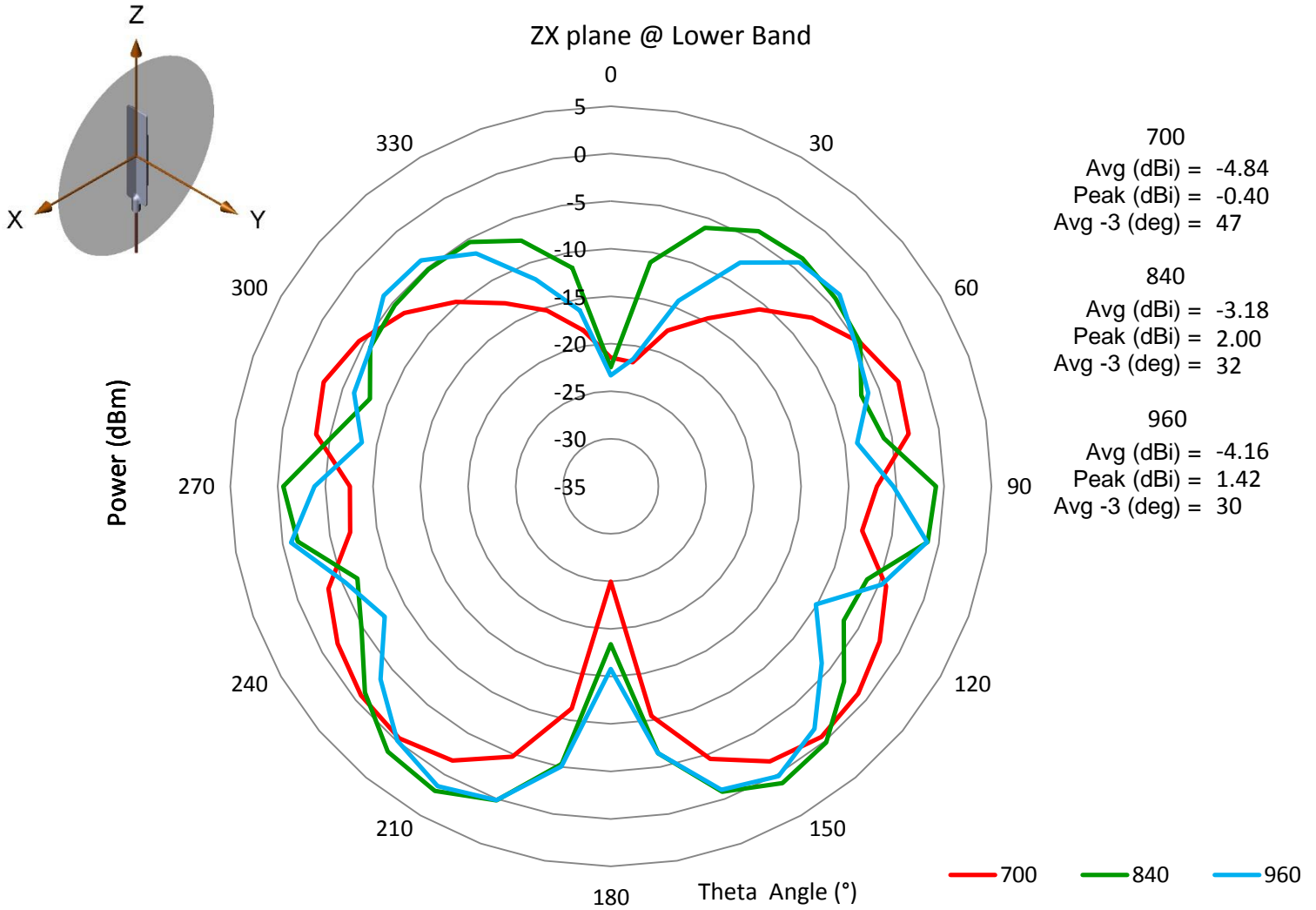
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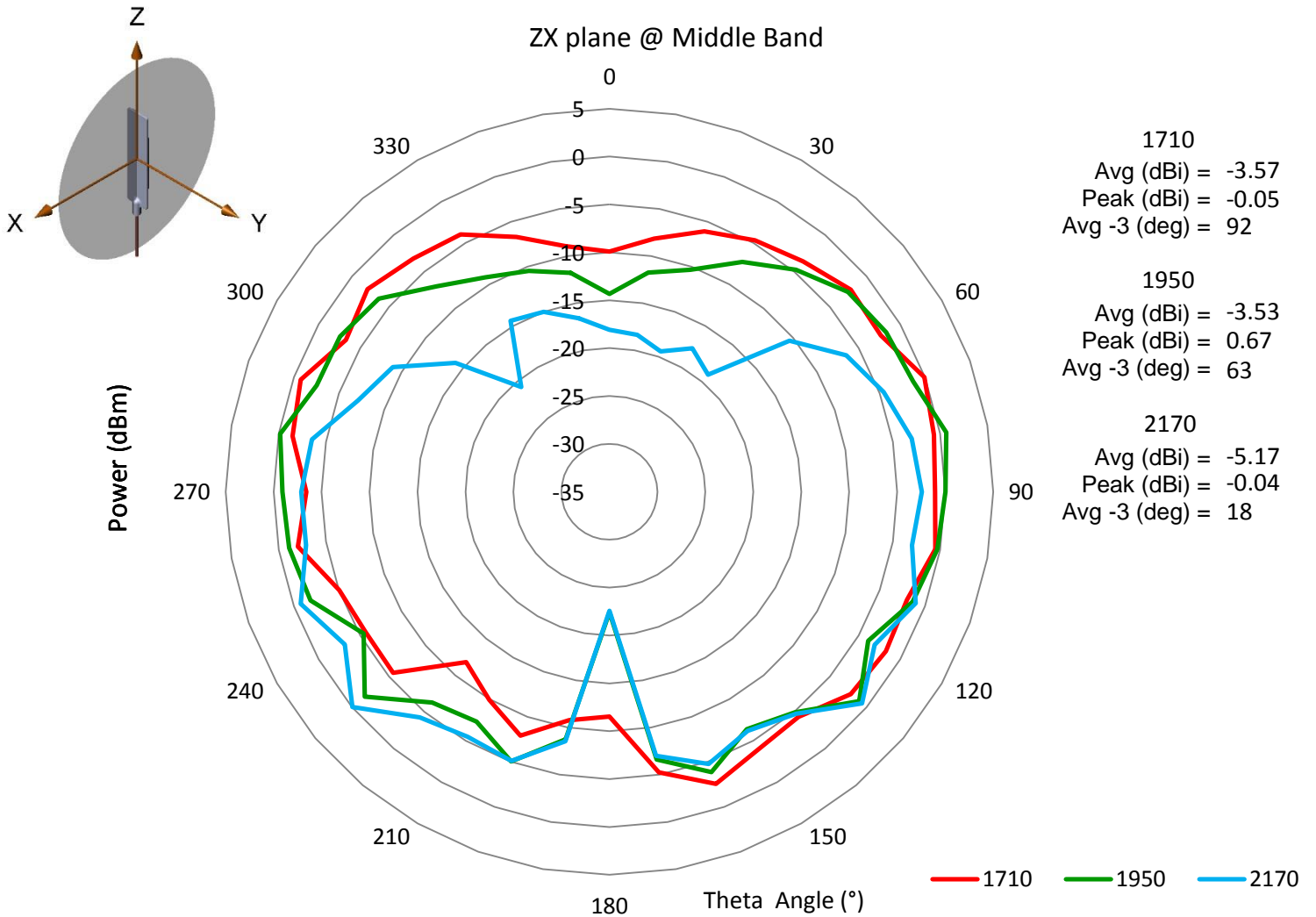
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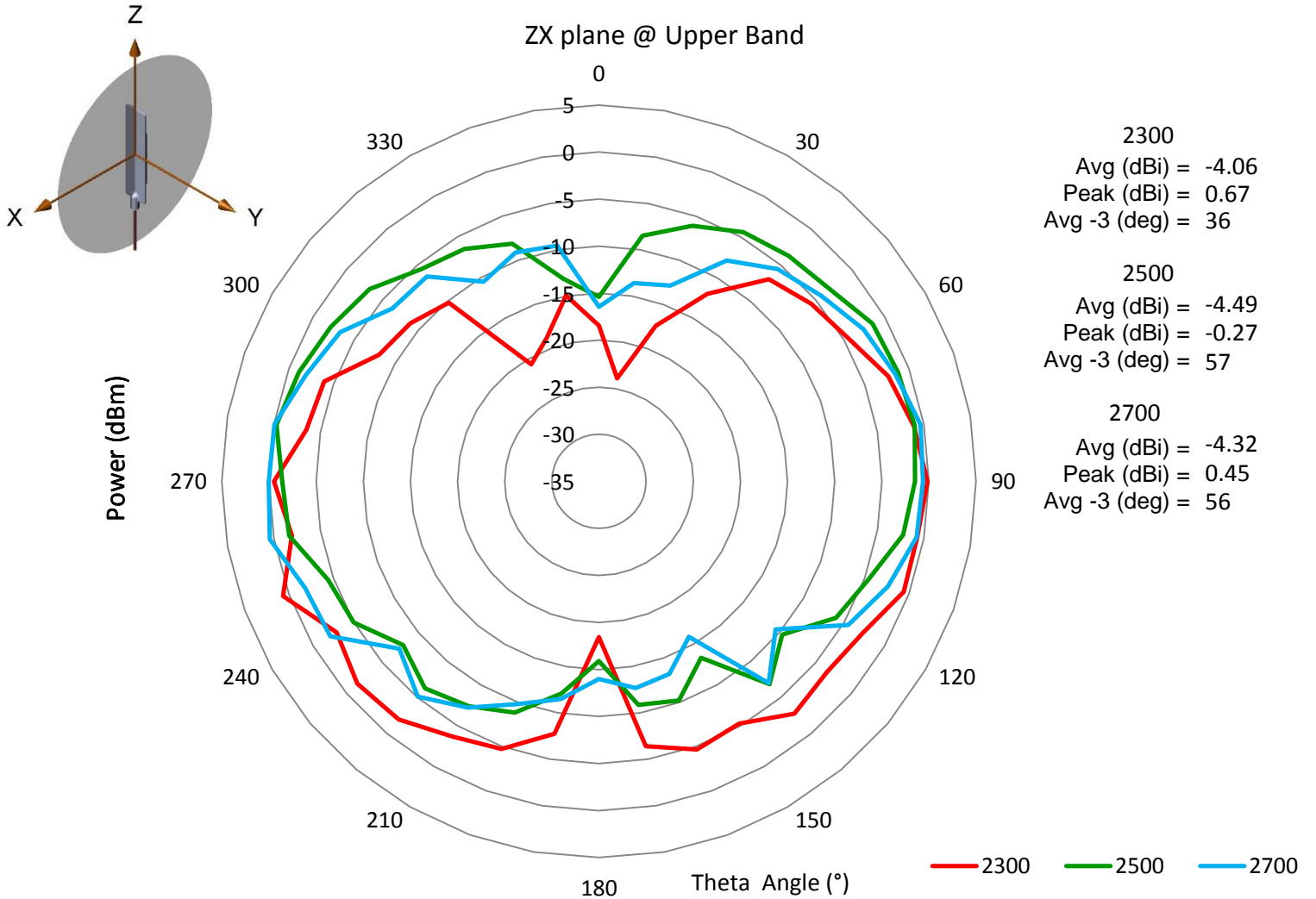
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Packaging

1 antennas packed in one plastic bag

1 label on each plastic bag with part number, date code.

200 plastic bags of antennas (total 200pcs) packed in a cardboard box

1 label on each box with qty, part number, date code.

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- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
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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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