

Description: LTE Stealth Blade Antenna

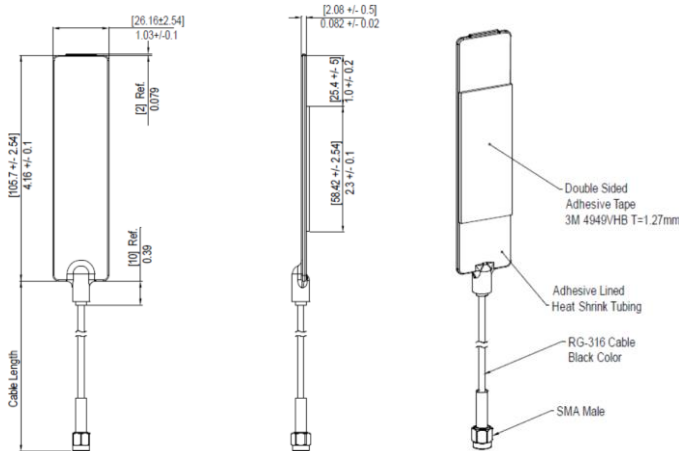
Series: SB Antenna

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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For more information:

Pulse Worldwide Headquarters  
12220 World Trade Drive  
San Diego, CA 92128  
USA  
Tel: 1-858-674-8100

Pulse/Larsen Antennas  
18110 SE 34<sup>th</sup> 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, 4<sup>th</sup> Phase  
Suzhou New District  
Jiangsu Province, Suzhou 215009 PR China  
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 $\Omega$
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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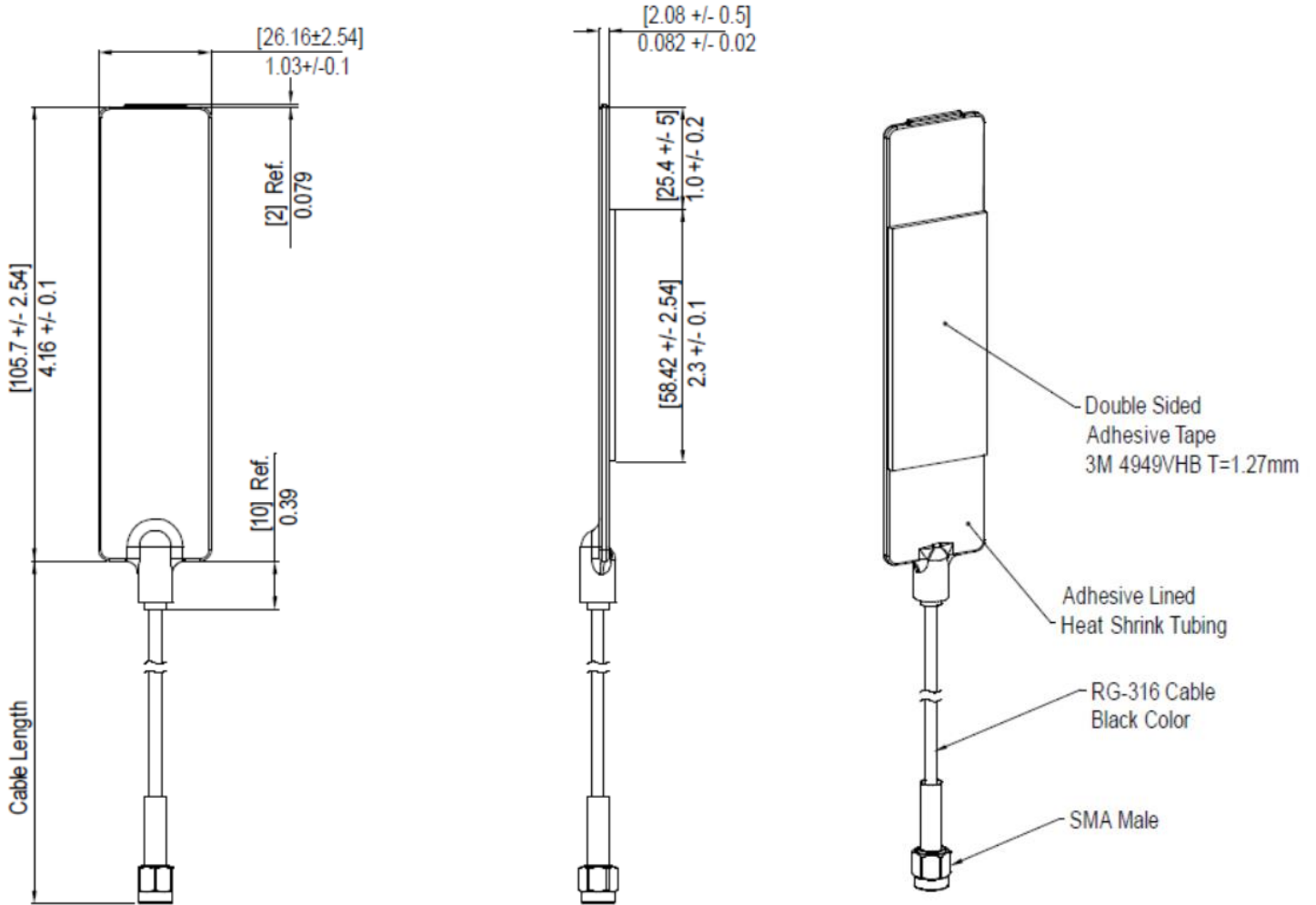
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MECHANICAL DRAWING



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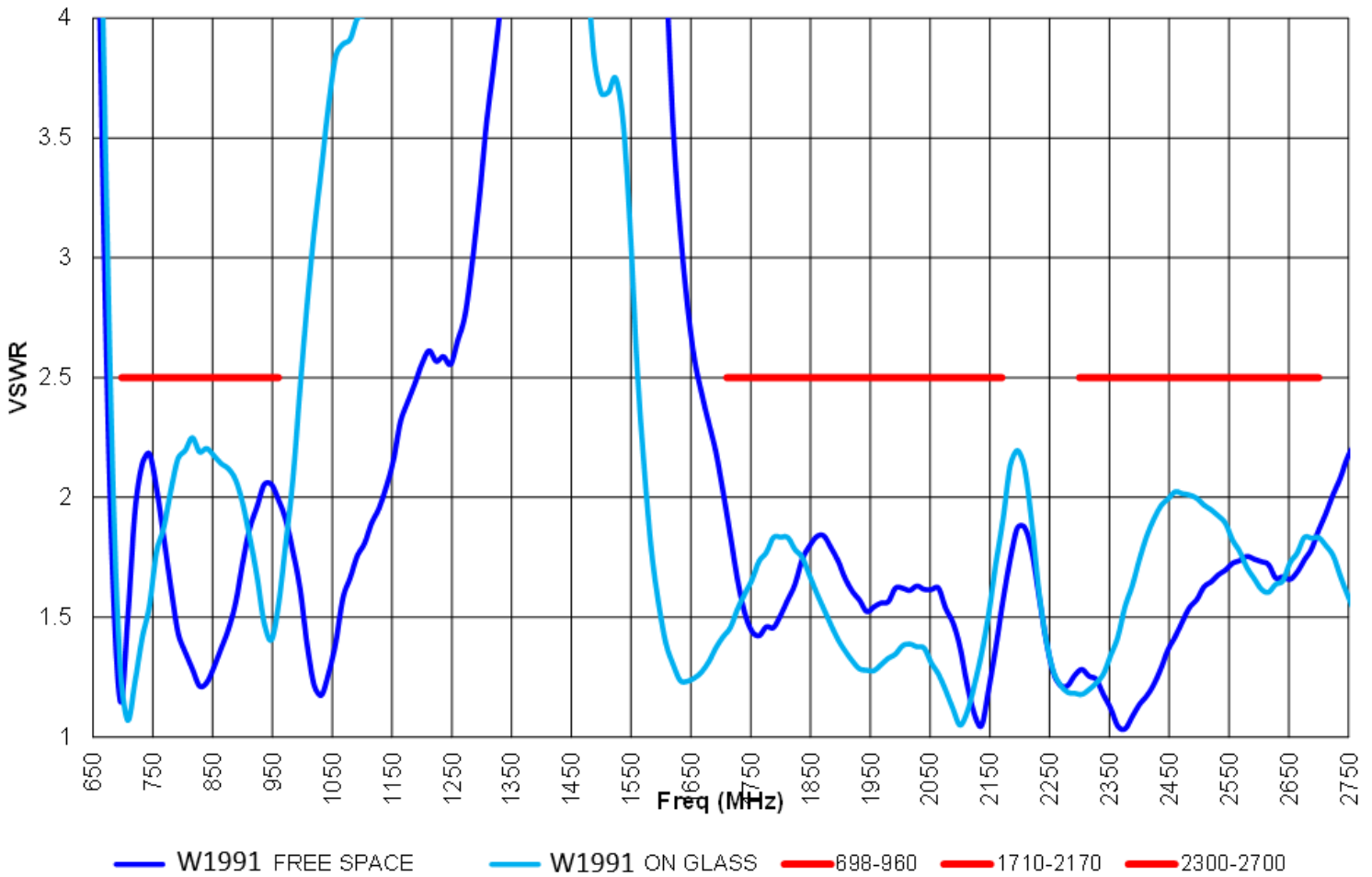
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S11 Parameter Measured with 315mm RG-174 cable



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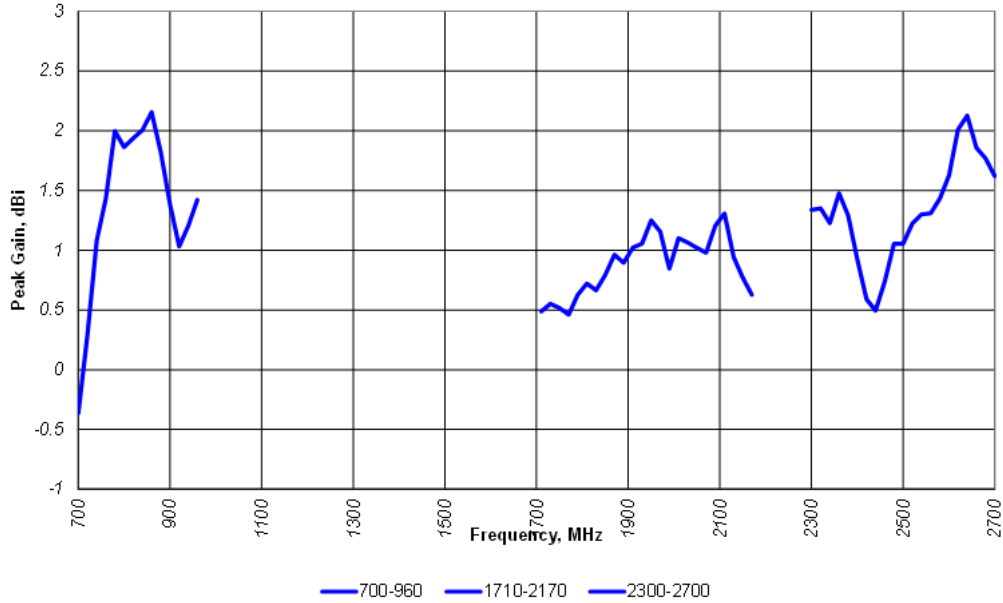
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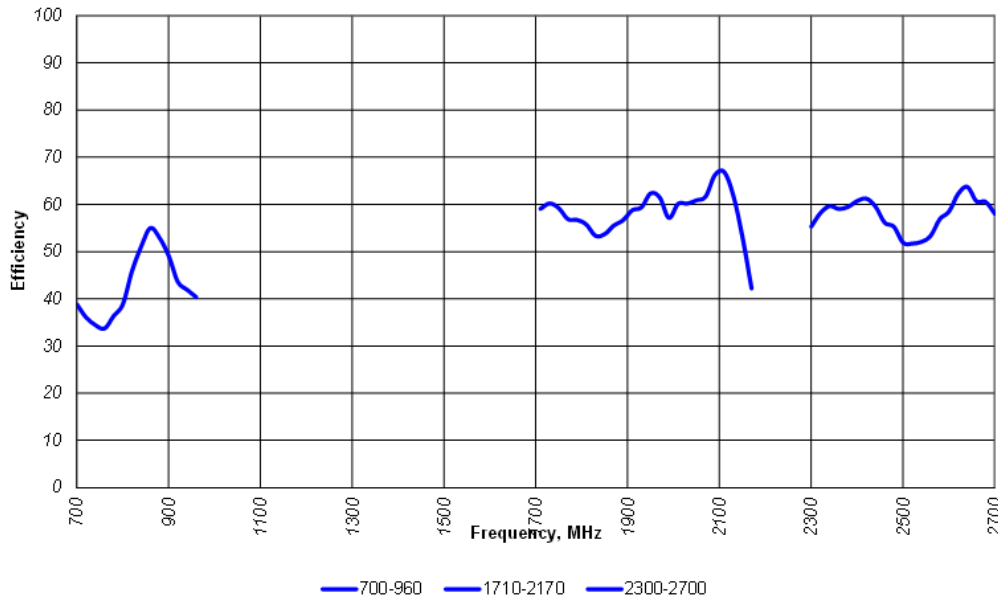
Peak Gain vs Frequency  
Free space

Measured at Pulse, USA - June 01, 2016



Efficiency vs Frequency  
Free space

Measured at Pulse, USA - June 01, 2016



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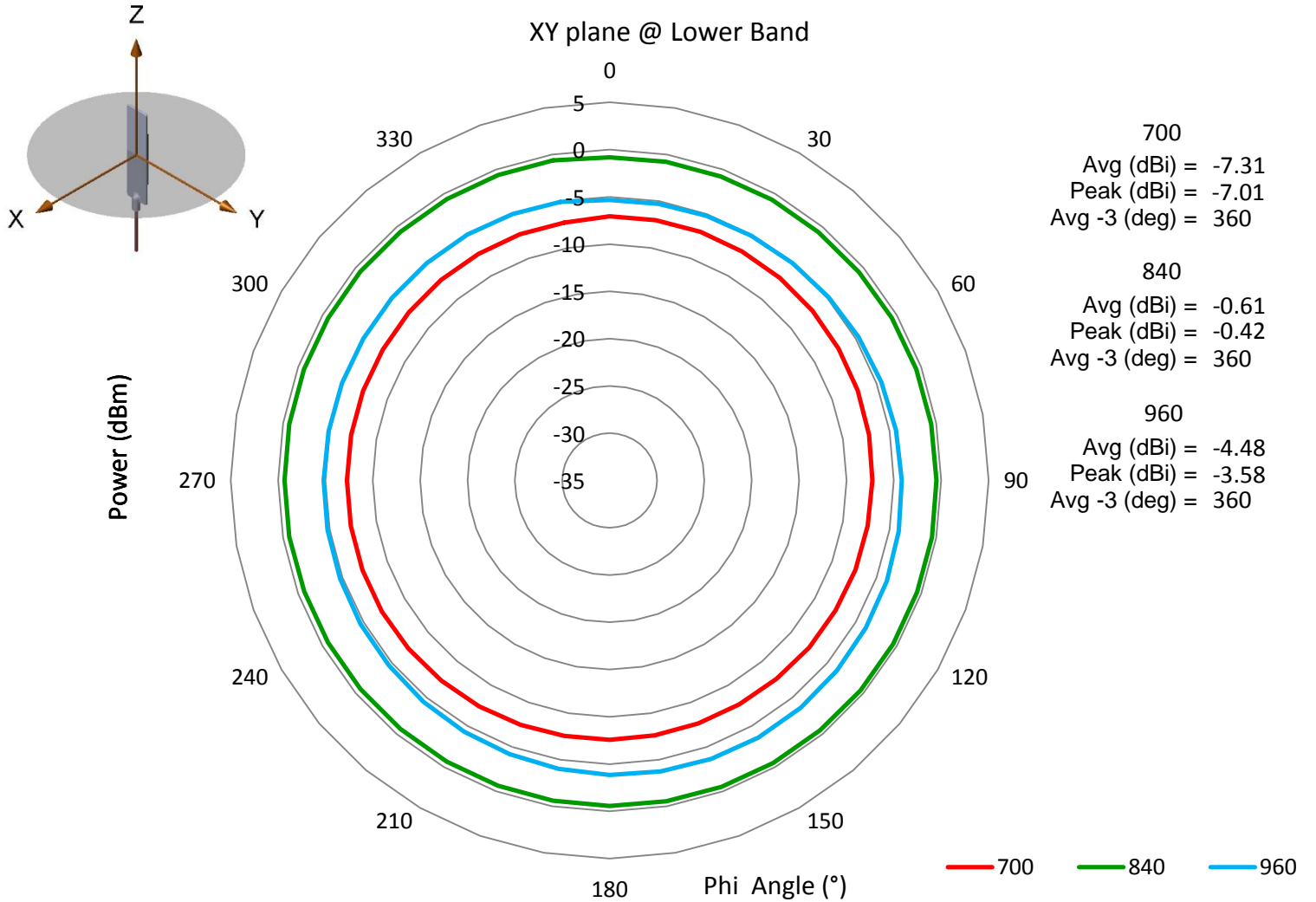
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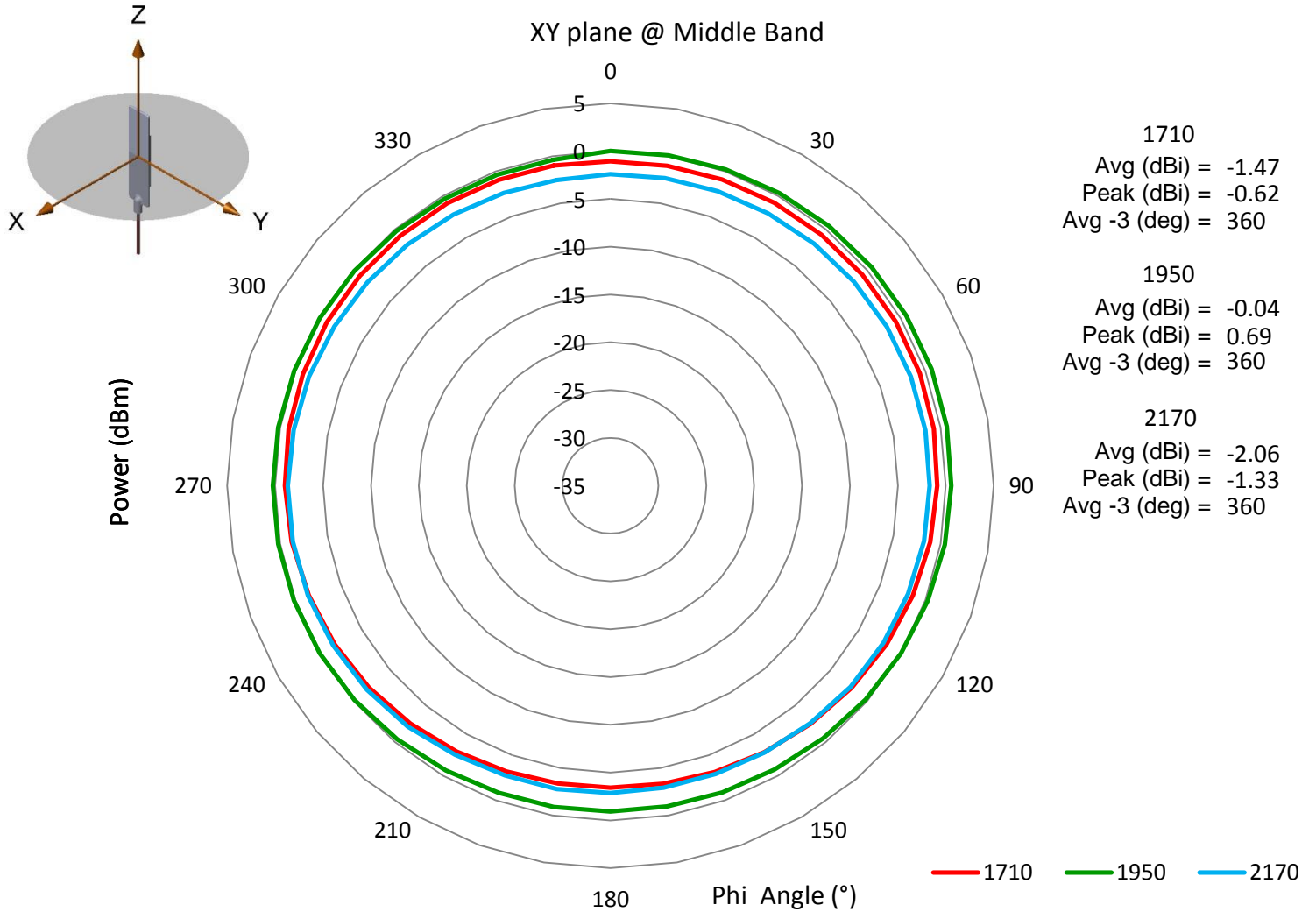
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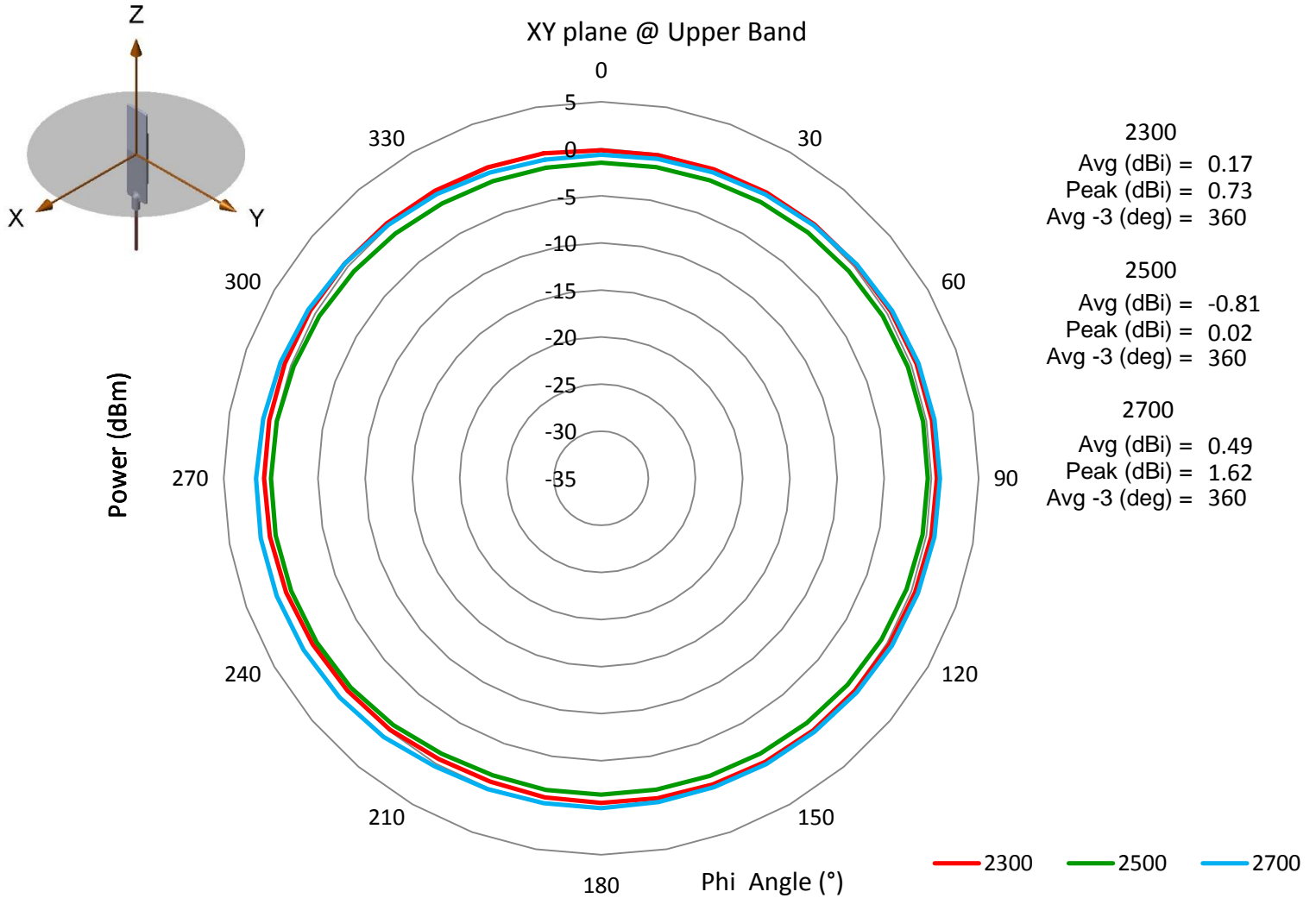


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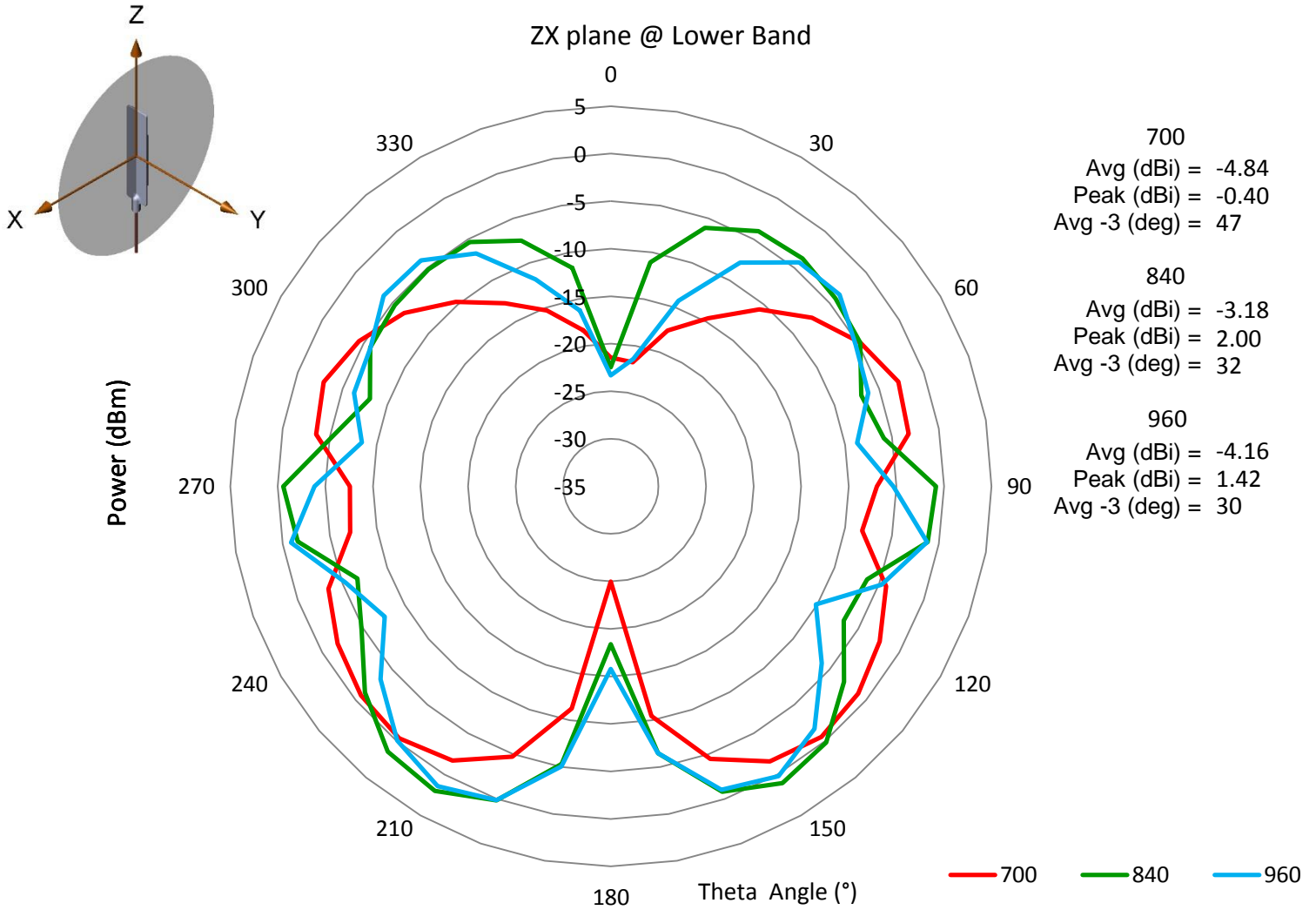
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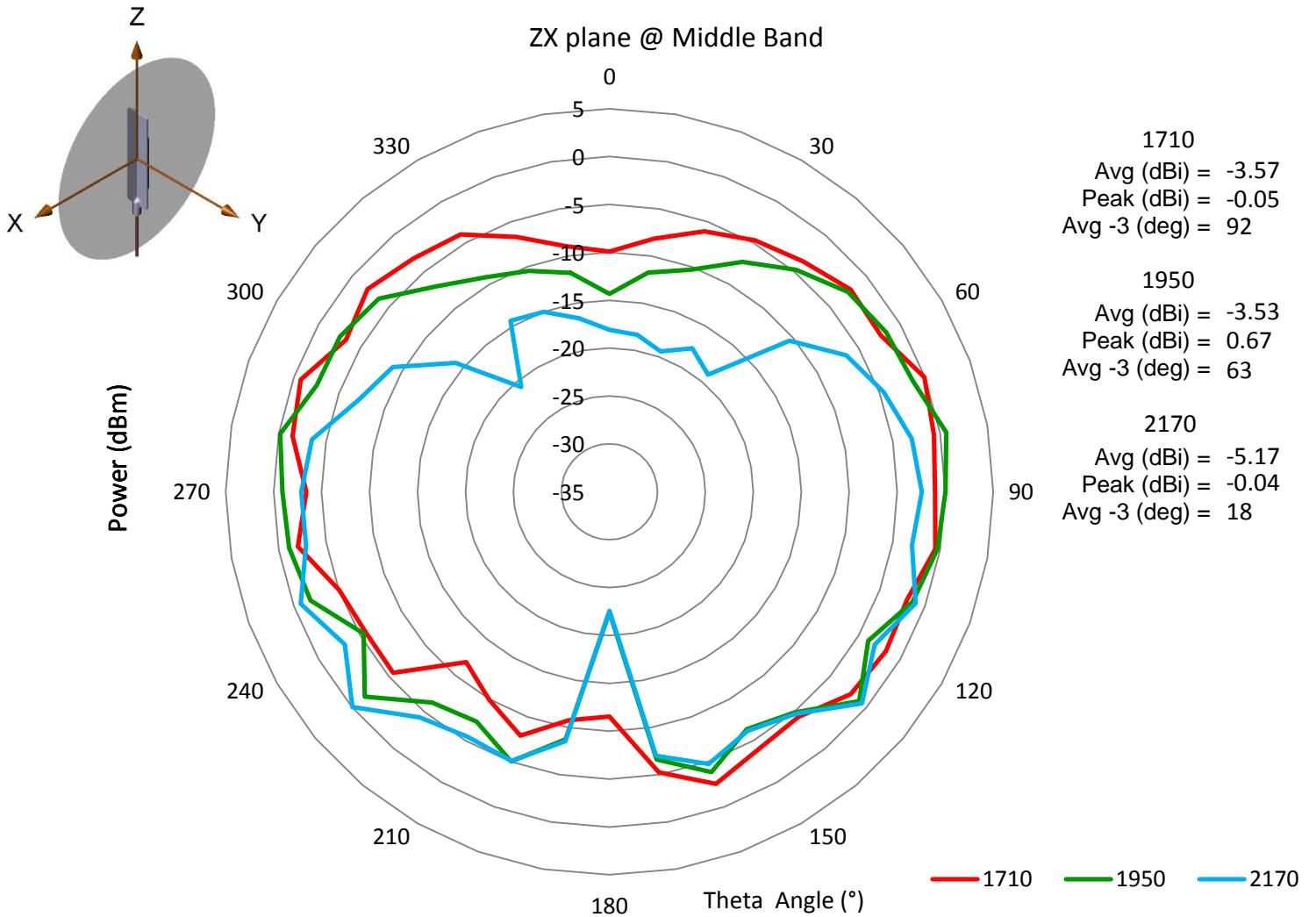
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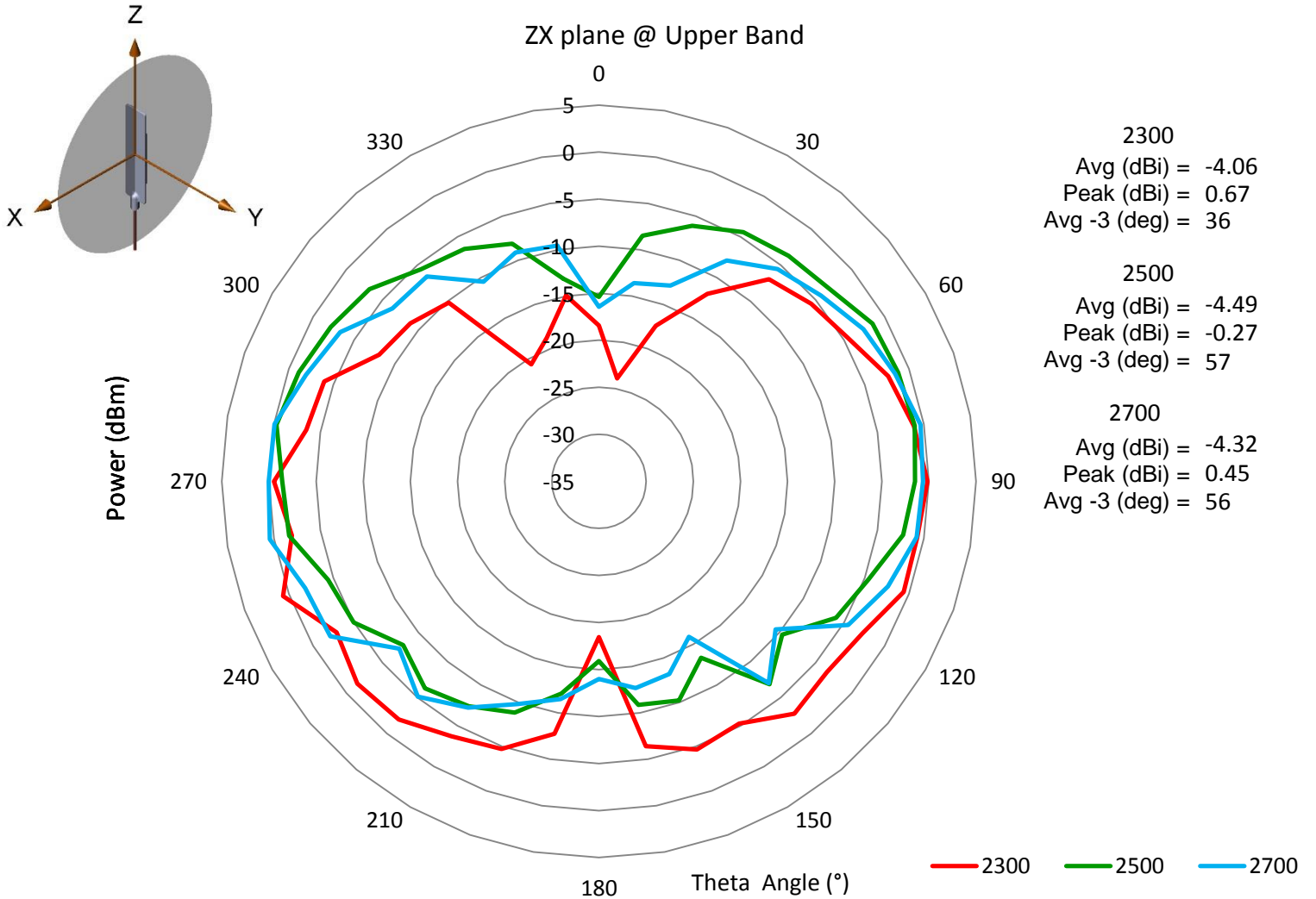
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## Packaging

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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<http://moschip.ru/get-element>

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### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

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