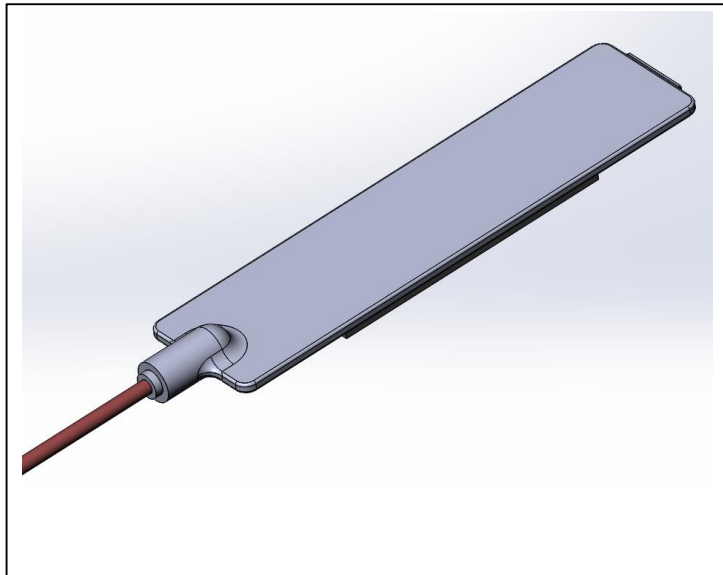


## Description: Stealth Blade LTE Antenna

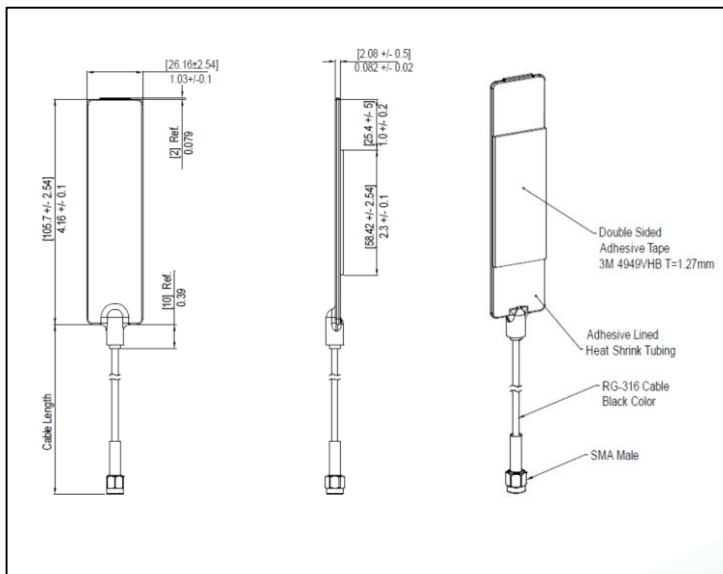
Series: Stealth Blade

PART NUMBER: SB698SMAXX



### Features:

- Cost-effective, high-performance solution for LTE
- 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

All dimensions are in mm / inches

Issue: 1623

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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: Stealth Blade LTE Antenna

Series: Stealth Blade

PART NUMBER: SB698SMAXX

This document covers all product variants of the following product family:

Projects	Connector	Cable Type	Cable Length	Weight
SB698SMA3	SMA Male	RG-316	3' / 914.4mm	26g
SB698SMA12			12' / 3657.6mm	49g

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## Description: Stealth Blade LTE Antenna

Series: Stealth Blade

PART NUMBER: SB698SMAXX

## 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 2
Cable type	Black RG-316
Length	Refer to table on Page 2

## Description: Stealth Blade LTE Antenna

Series: Stealth Blade

PART NUMBER: SB698SMAXX

## MECHANICAL SPECIFICATIONS

Color	Black
Ingress Protection	IP67
Weight	Refer to table on Page 2
Fixing system	Adhesive Tape

## ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-40 ~ +85° C
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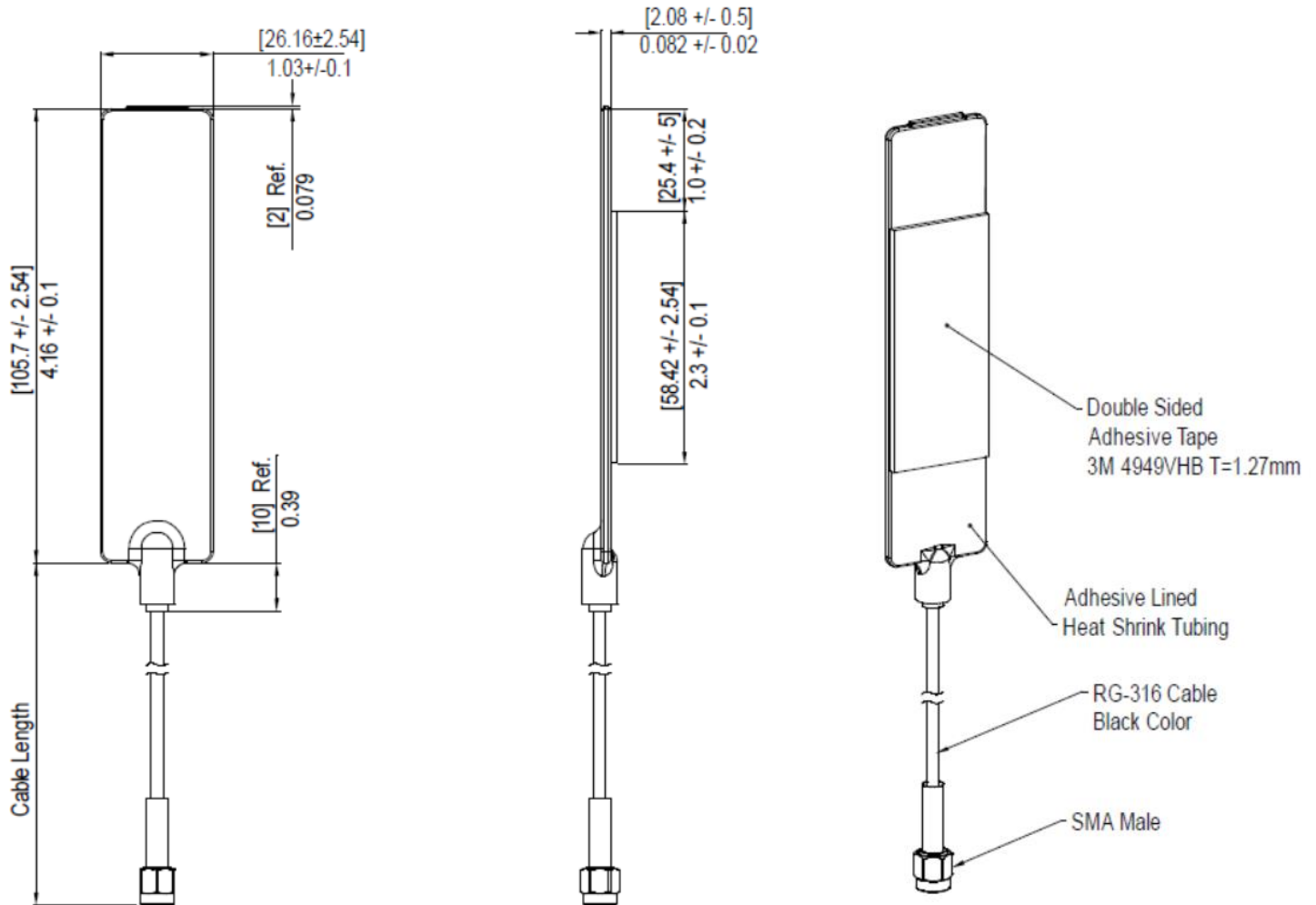
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### Description: Stealth Blade LTE Antenna

## Series: Stealth Blade

**PART NUMBER: SB698SMAXX**

# MECHANICAL DRAWING



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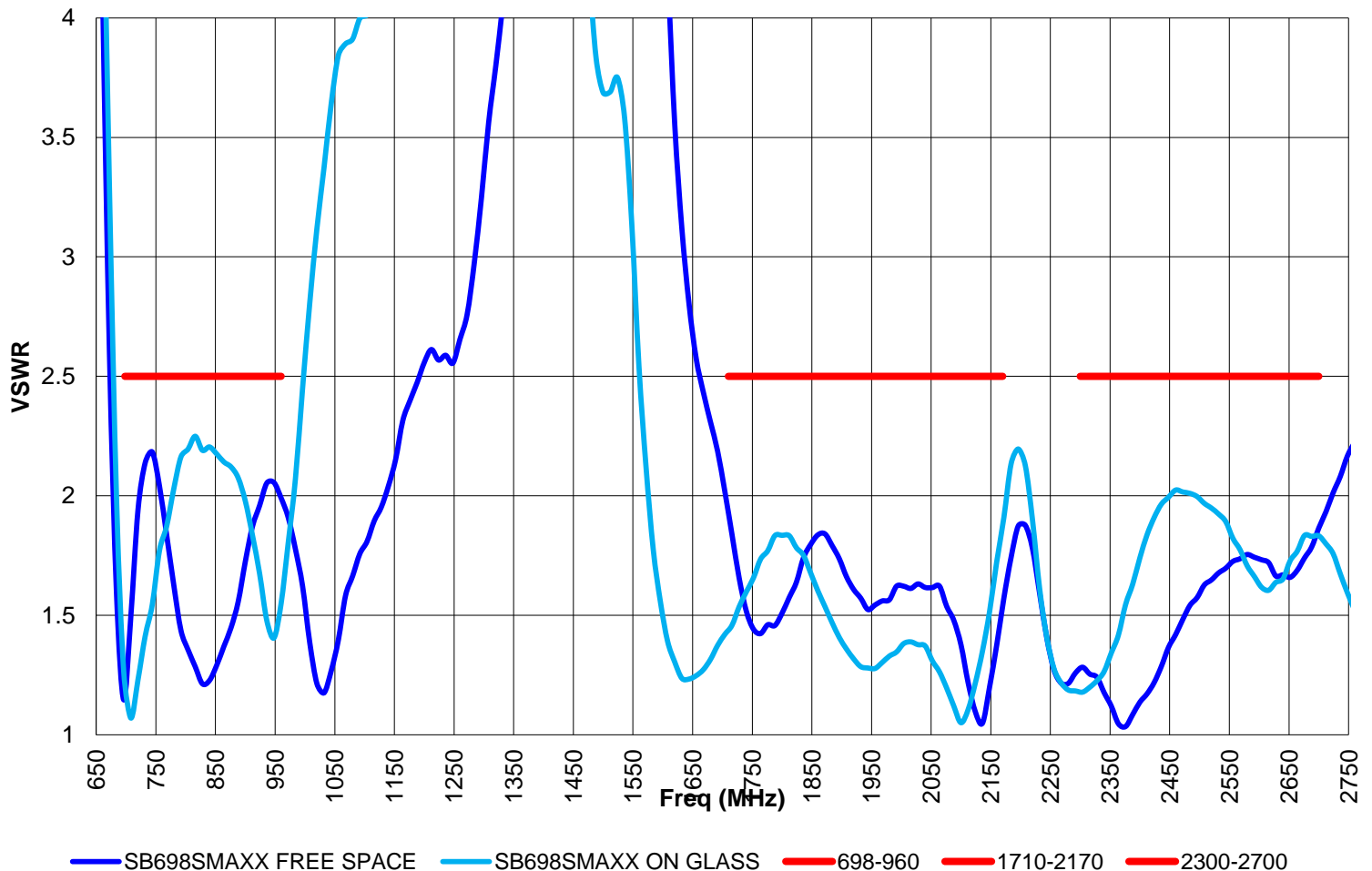
## Description: Stealth Blade LTE Antenna

Series: Stealth Blade

PART NUMBER: SB698SMAXX

### CHARTS

S11 Parameter Measured with 315mm RG-174 cable



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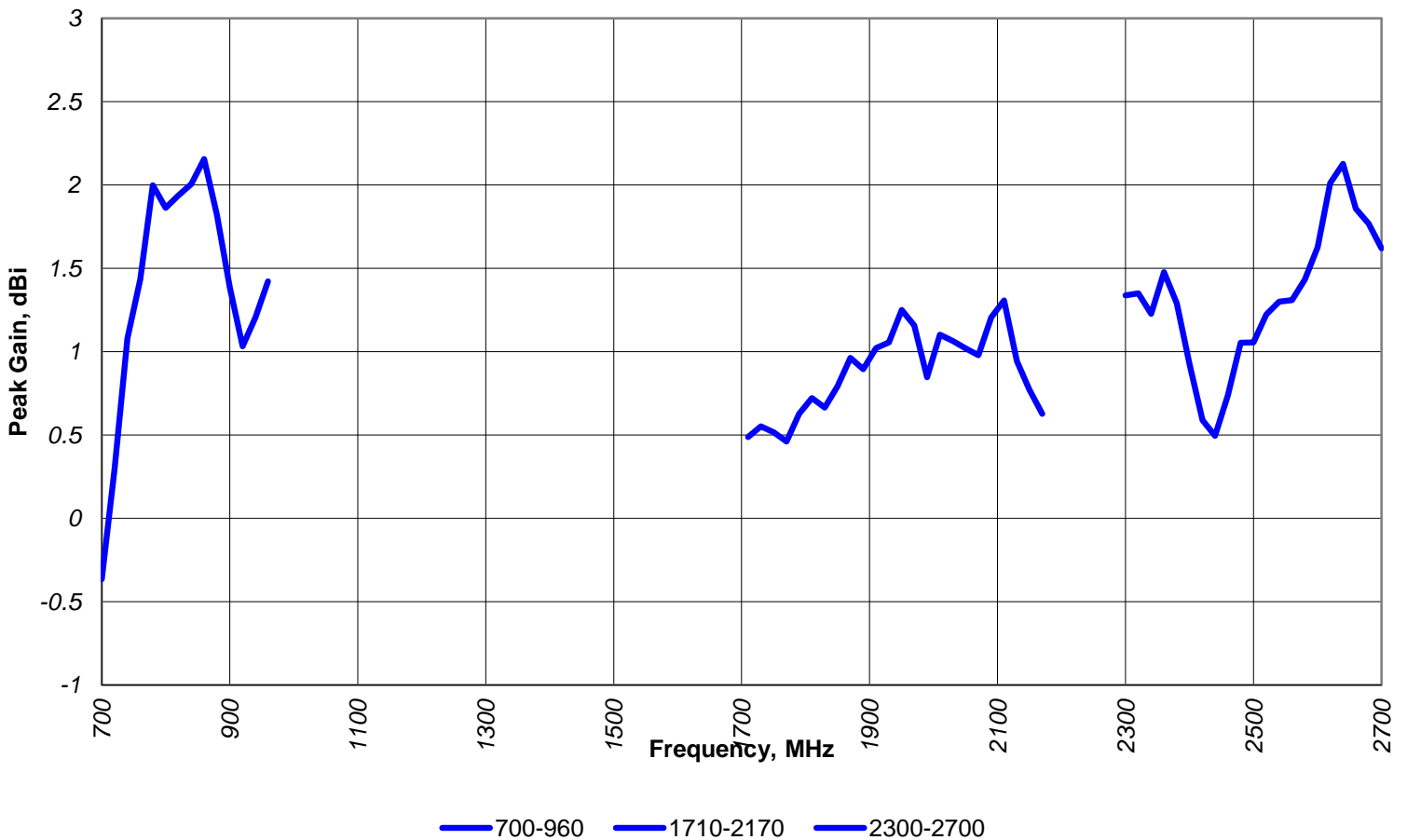
Series: Stealth Blade

PART NUMBER: SB698SMAXX

CHARTS

Peak Gain vs Frequency  
SB698SMAXX Free space

Measured at Pulse, USA - June 01, 2016



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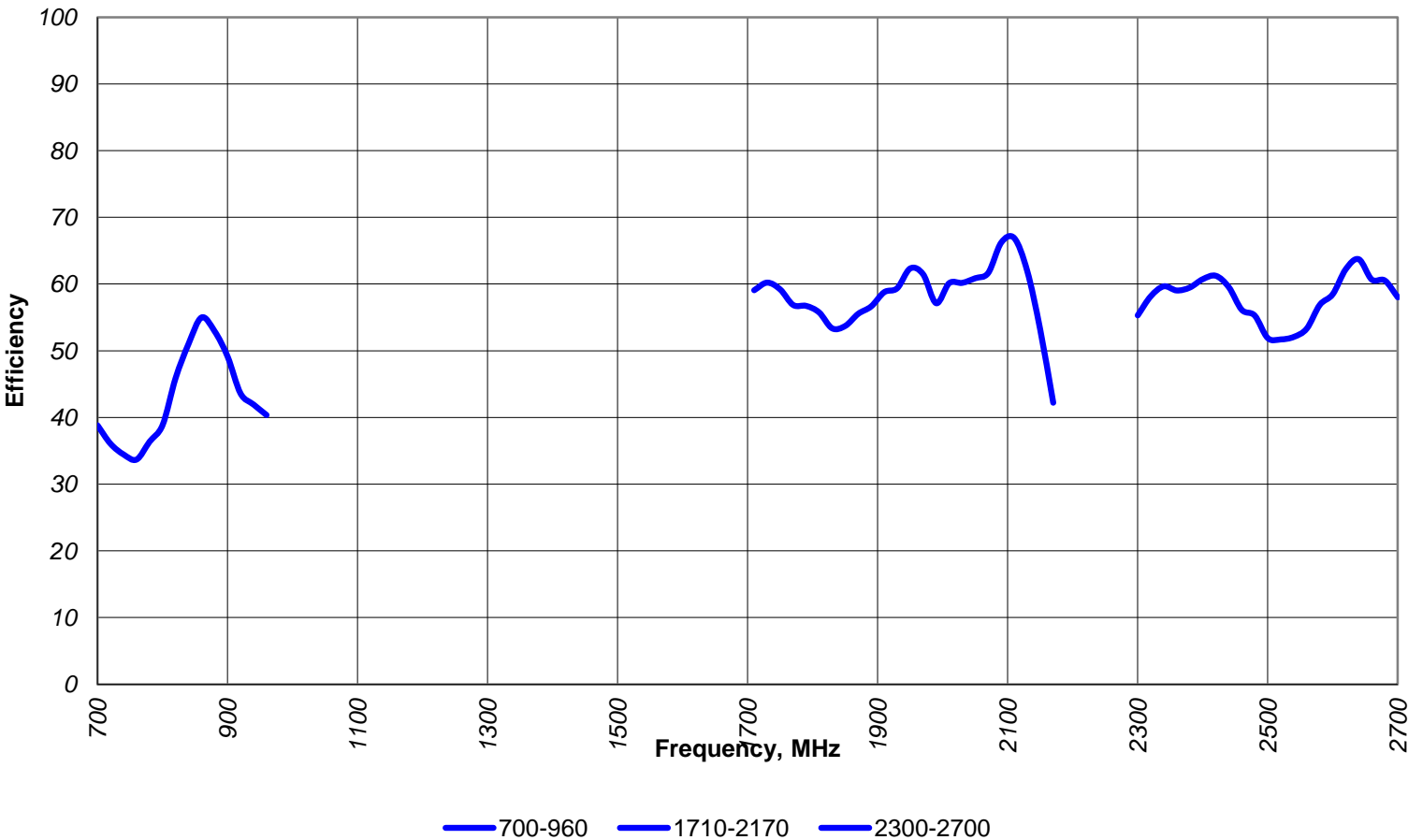
Description: Stealth Blade LTE Antenna

Series: Stealth Blade

PART NUMBER: SB698SMAXX

CHARTS

Efficiency vs Frequency  
SB698SMAXX Free space  
Measured at Pulse, USA - June 01, 2016



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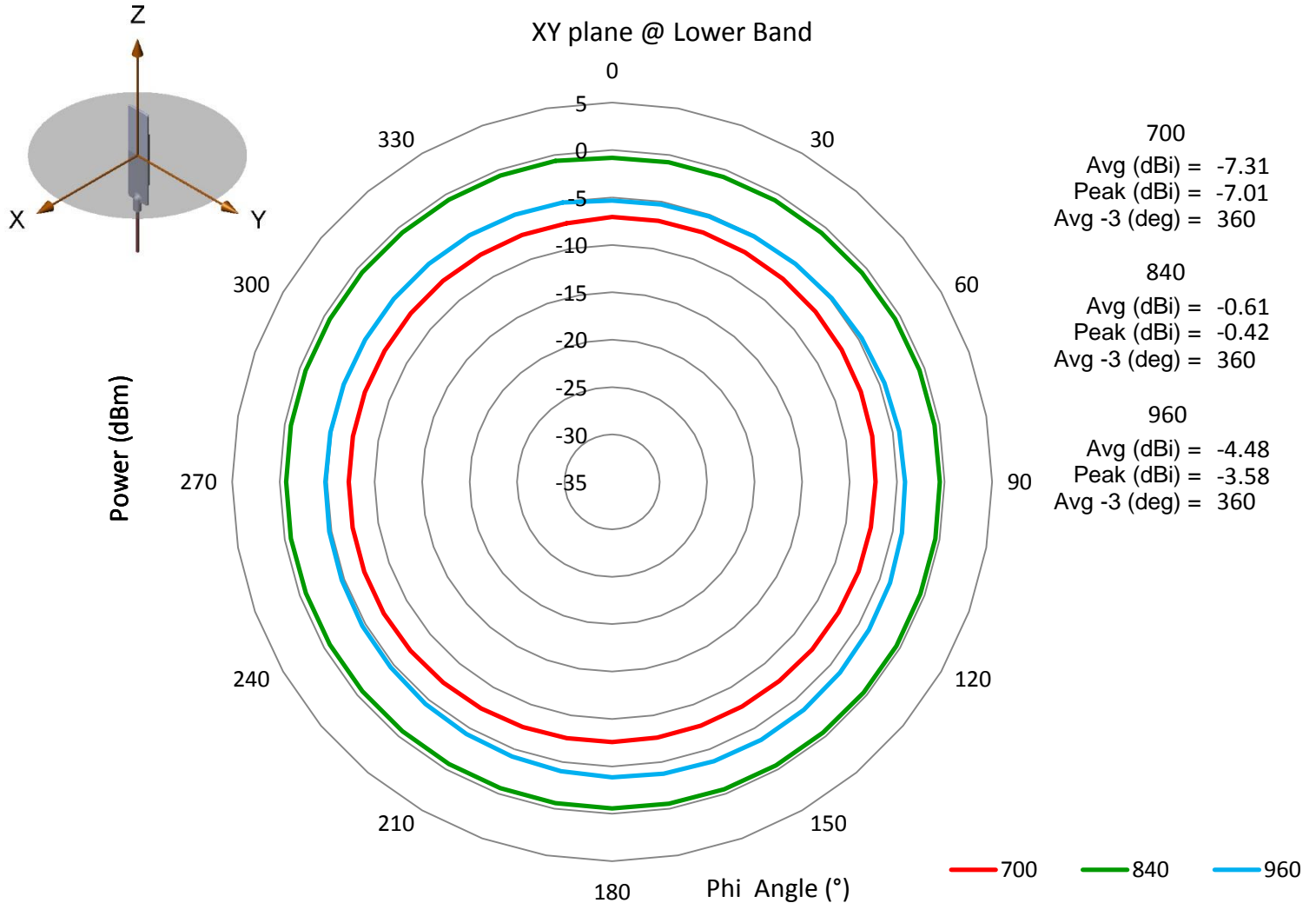


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Series: Stealth Blade

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## CHARTS



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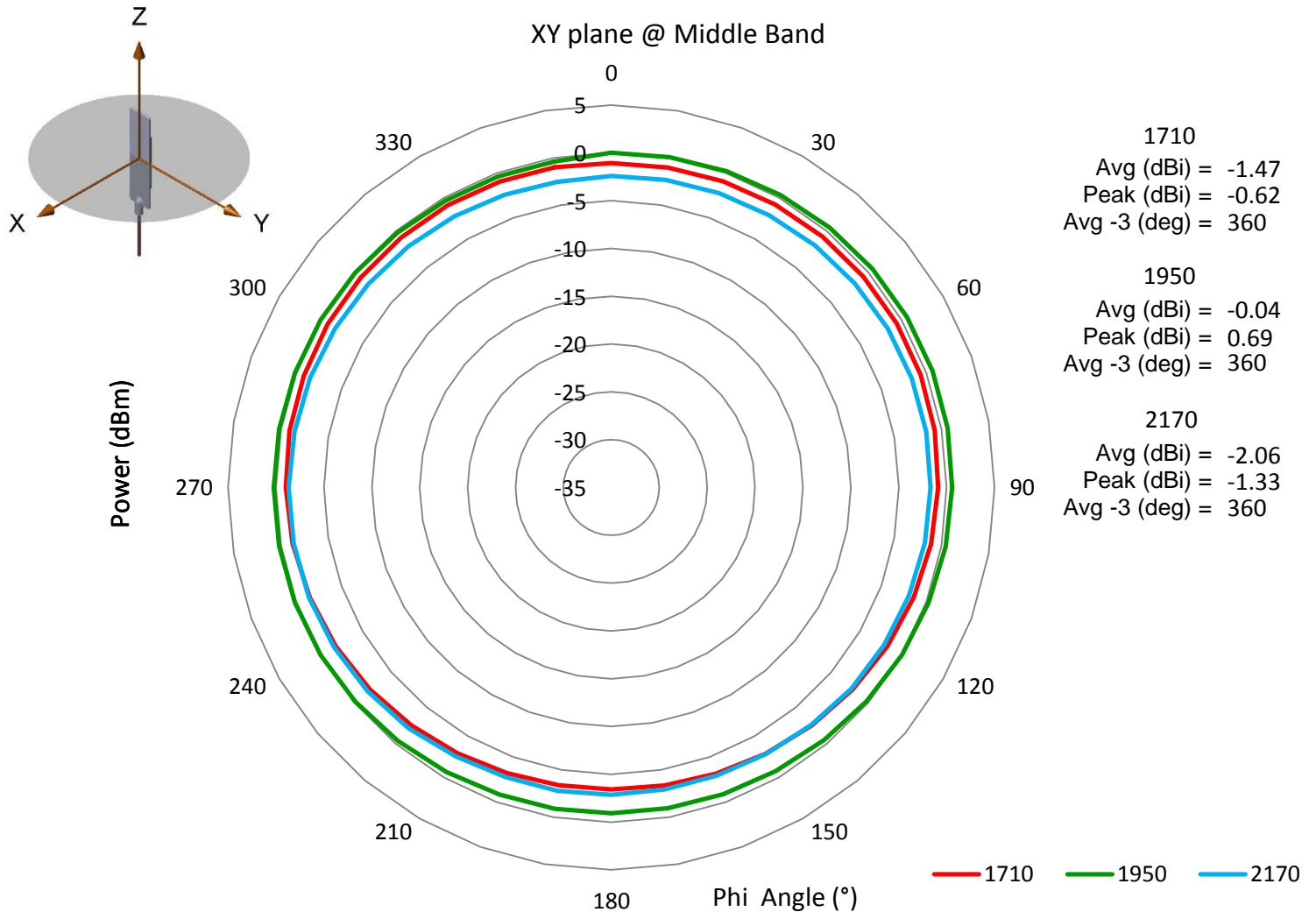
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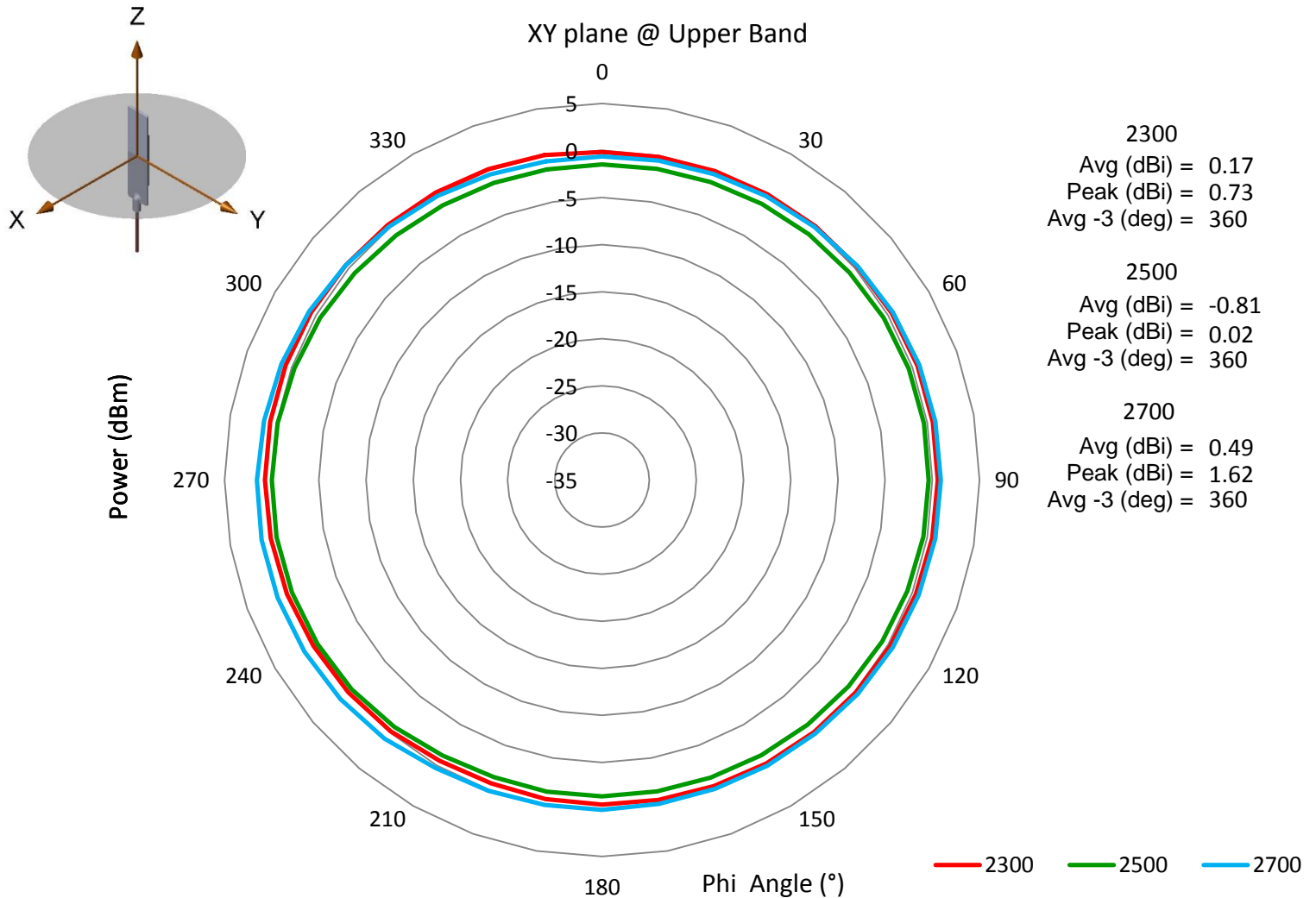
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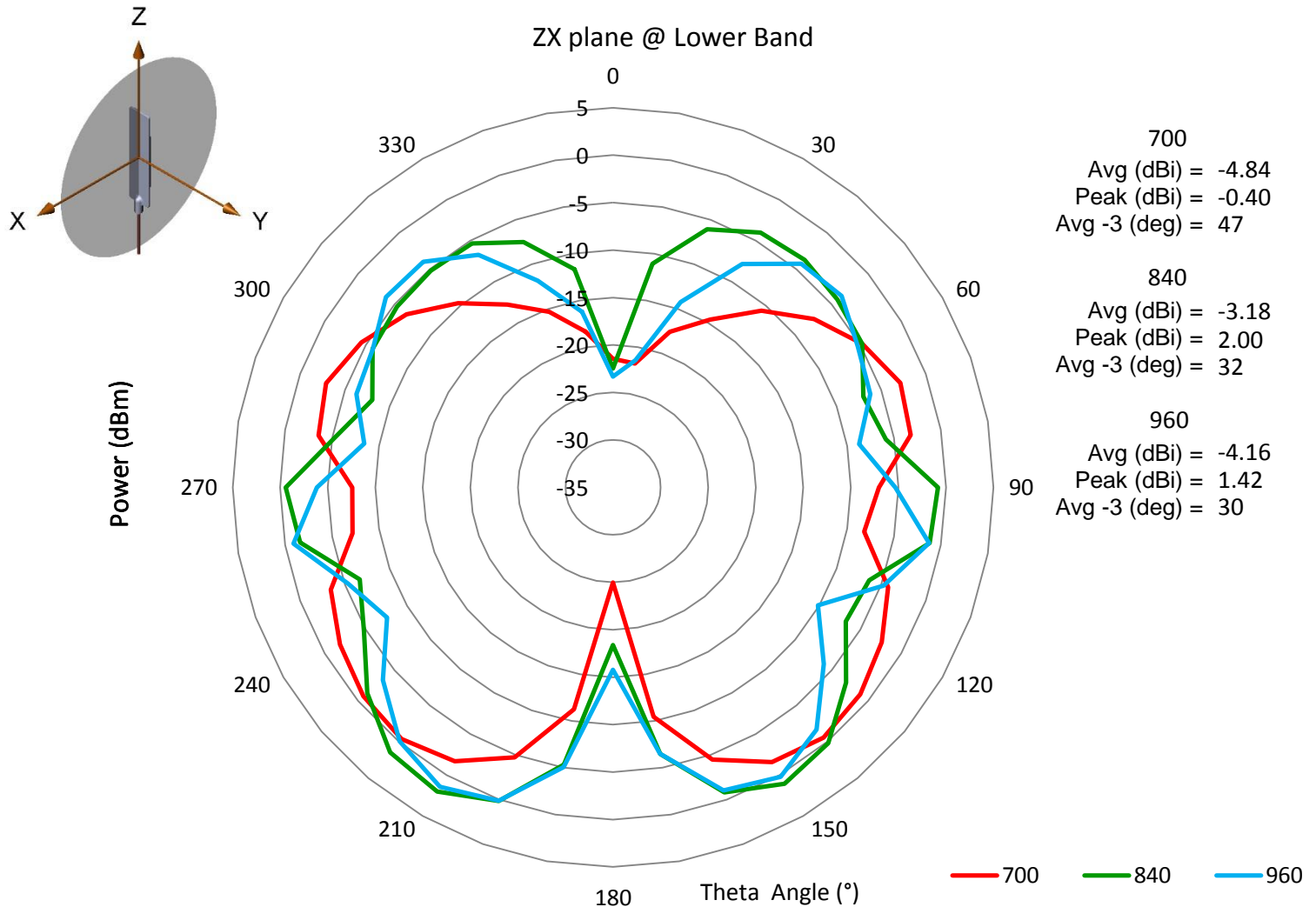
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## CHARTS



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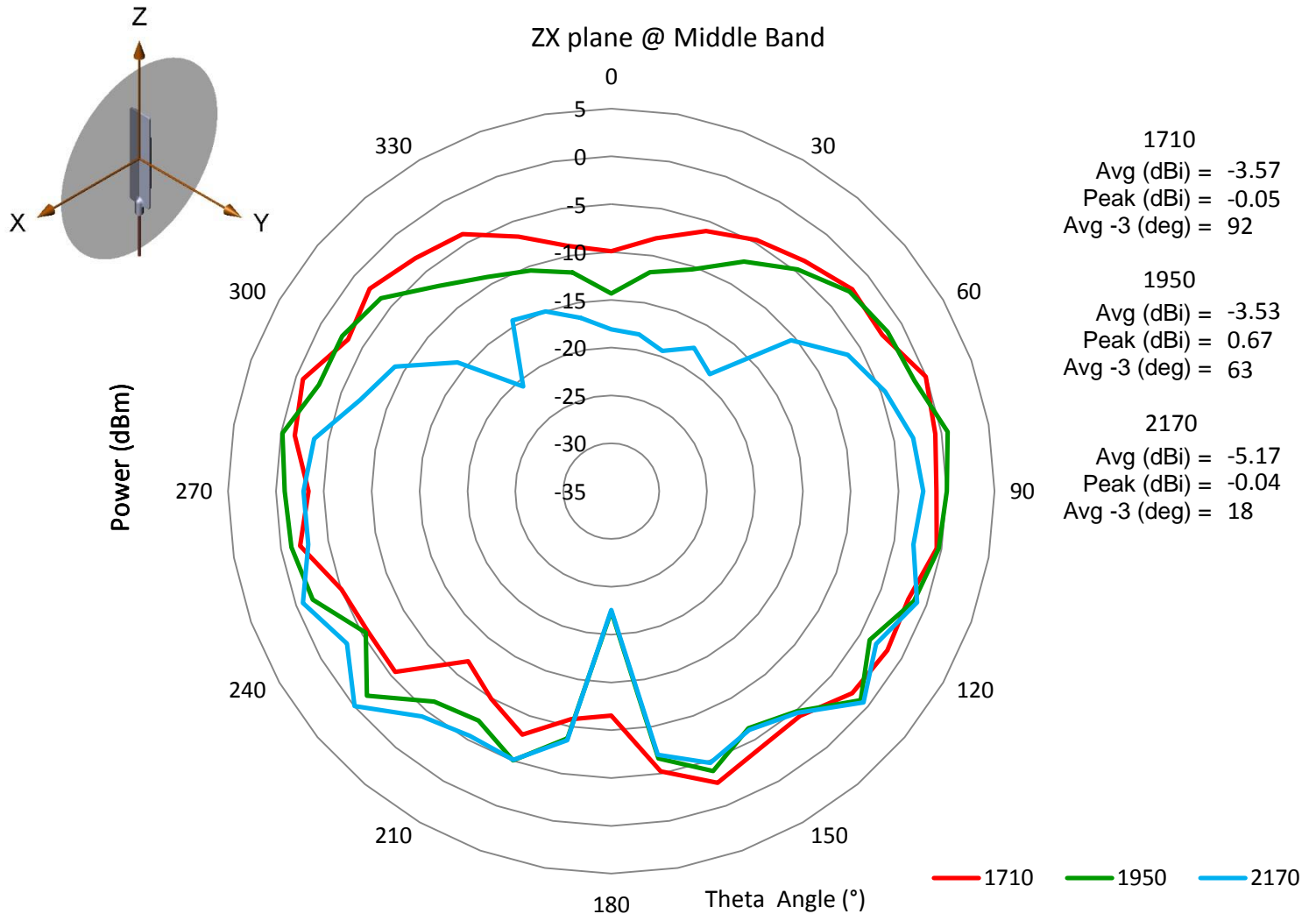
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## CHARTS



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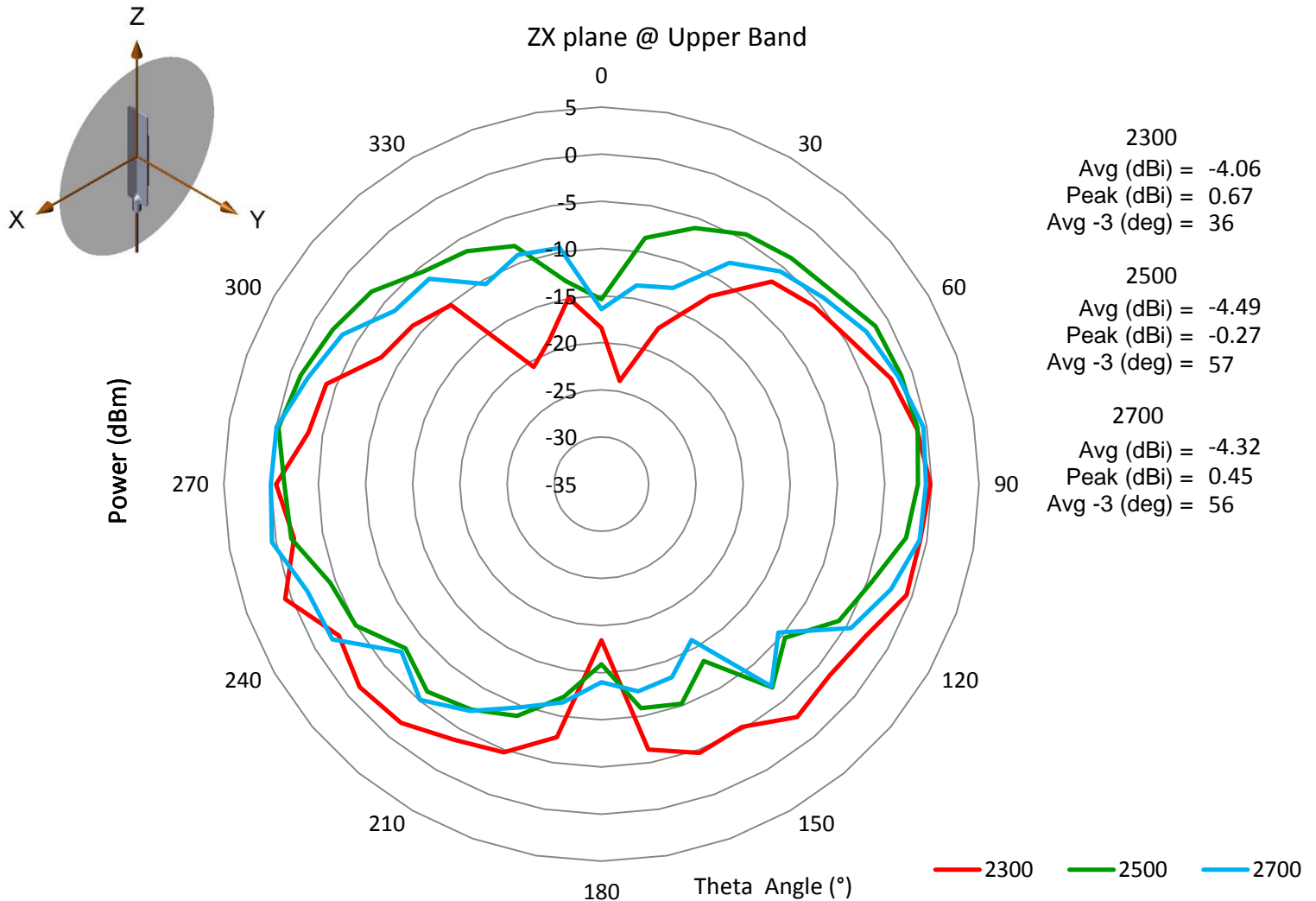
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## CHARTS



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