RAYSPAN®
Pioneering Metamaterials

THE WORLD'S LEADING INNOVATOR OF METAMATERIAL AIR INTERFACE SOLUTIONS

Presentation to: Netgear/Sercomm

WNDA3100v2 Antenna Updates

2009-02-11

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Overview

- This report includes:
  - Antenna Peak Gain
  - Antenna Radiation Patterns

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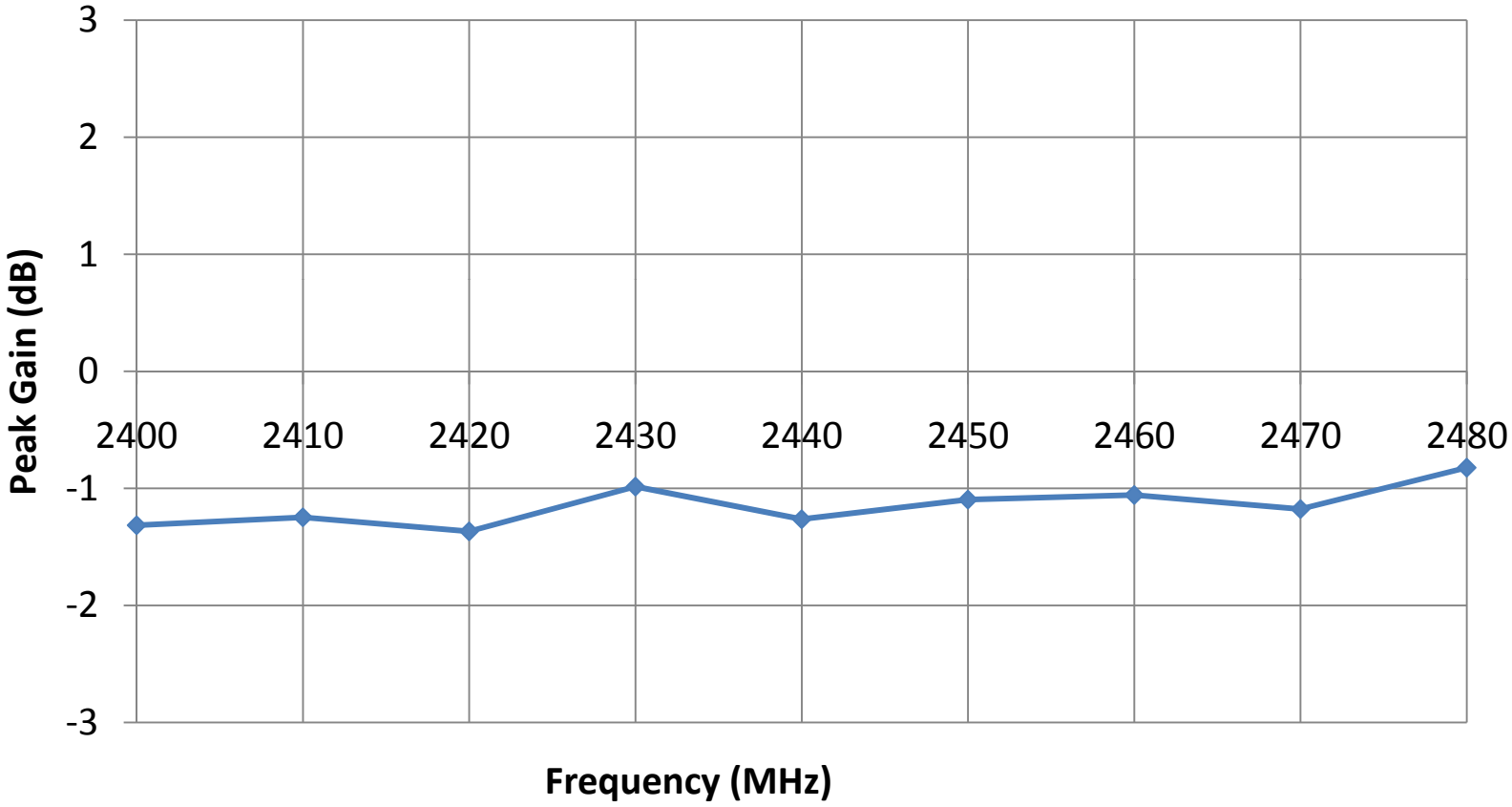
Peak Gain: 2.4GHz, Antenna 1



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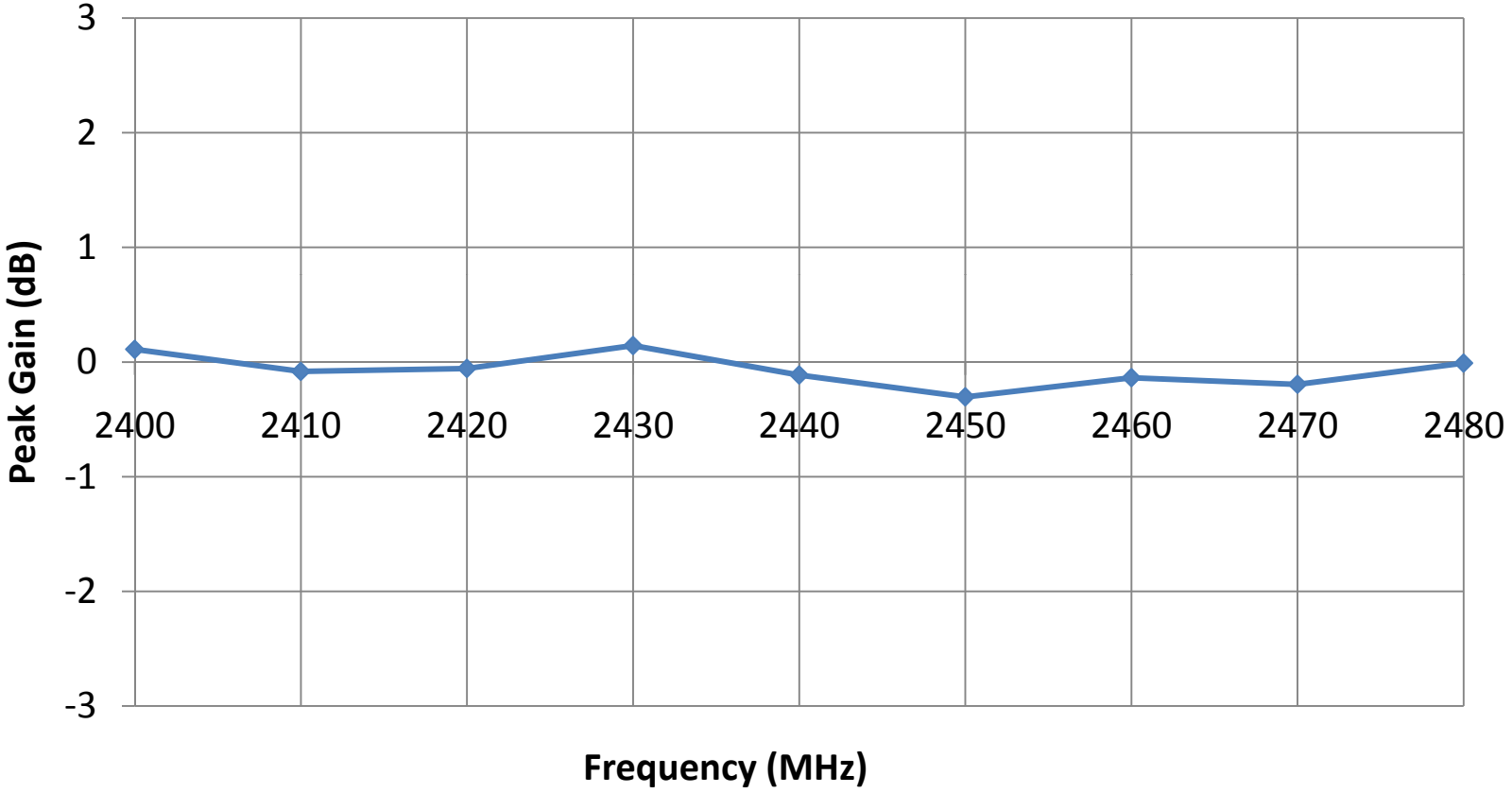
Peak Gain: 2.4GHz, Antenna 2



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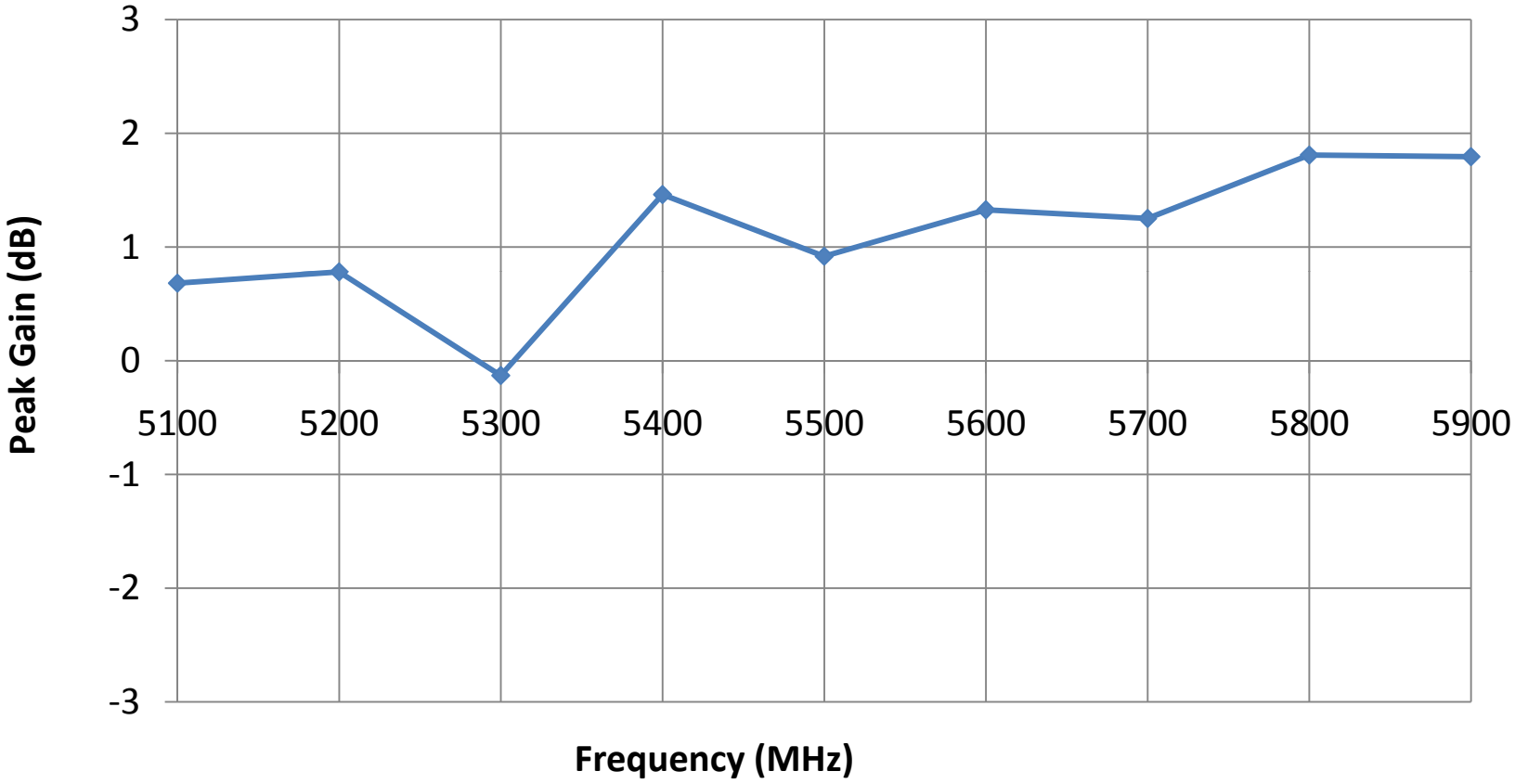
Peak Gain: 5GHz, Ant1



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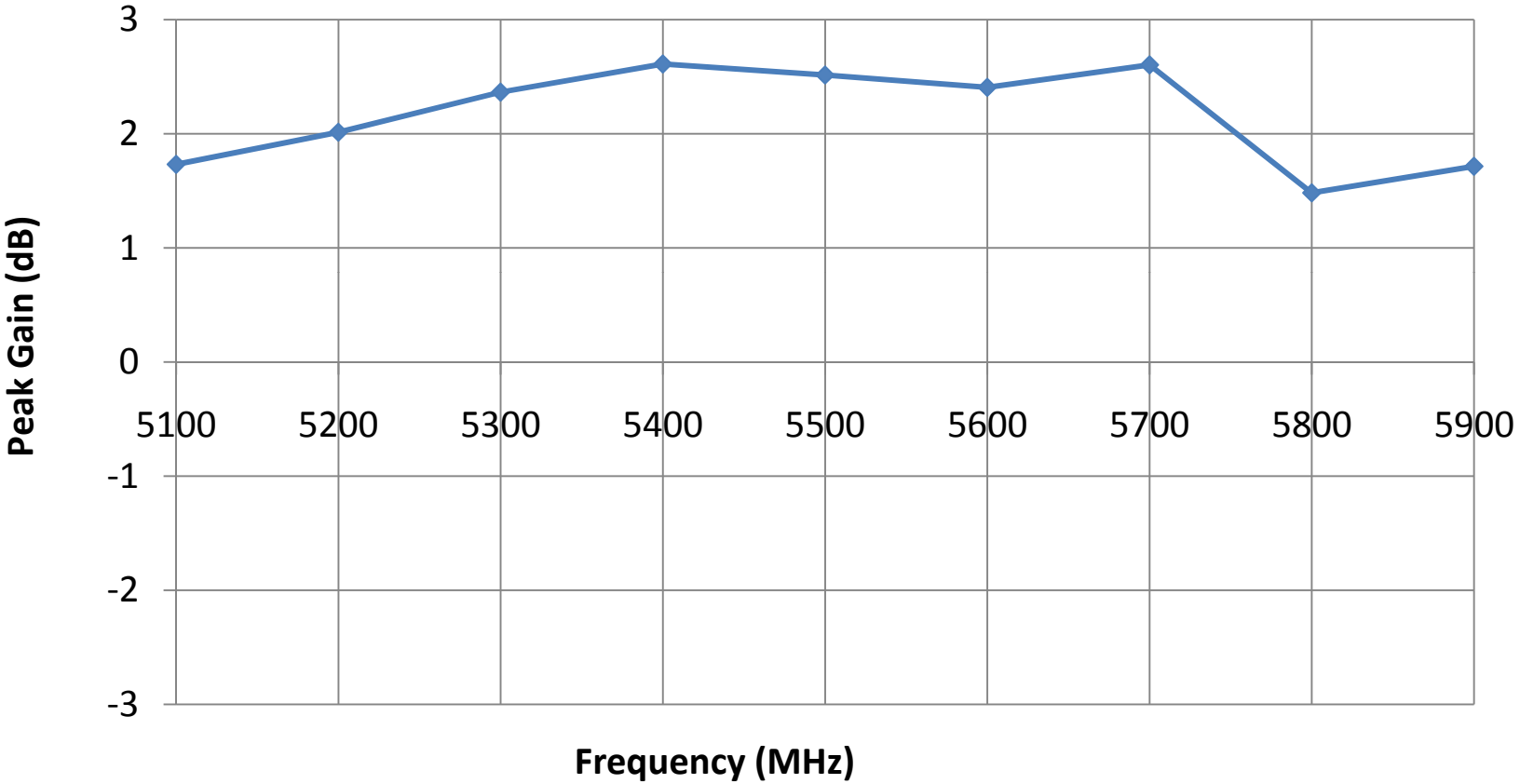
Peak Gain: 5GHz, Ant2



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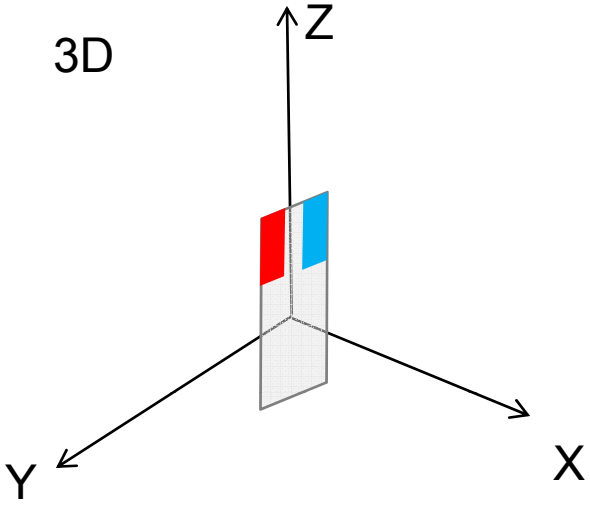
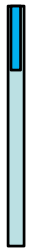
Measurement Setup

3D



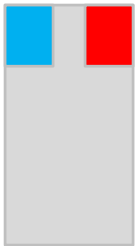
x-z plane



Ant 1

Ant 2

y-z plane



x-y (azimuth) plane

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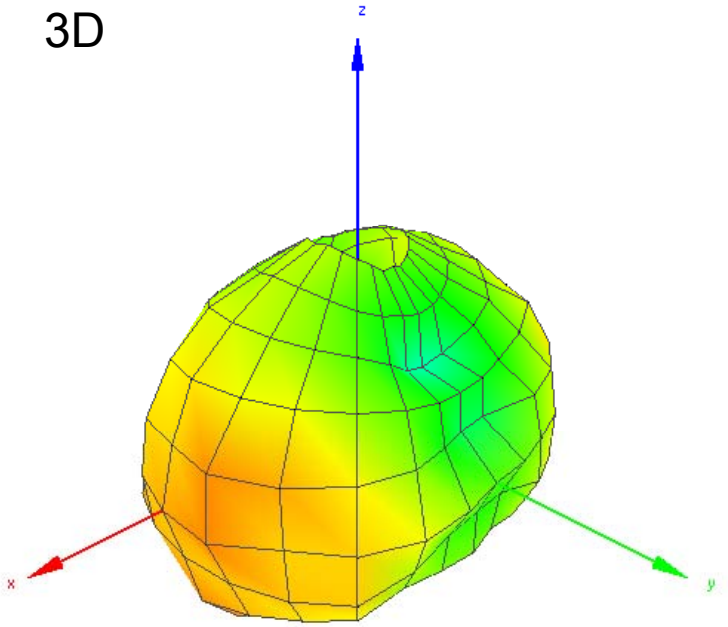
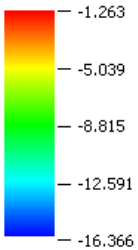
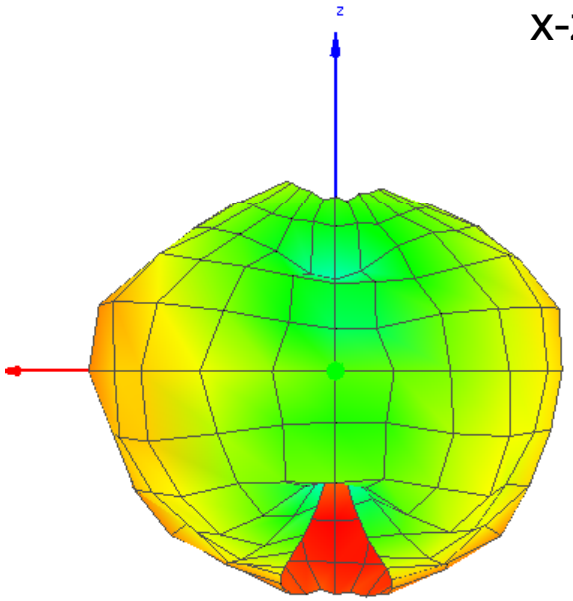
Radiation Pattern
Antenna 1 at 2440MHz

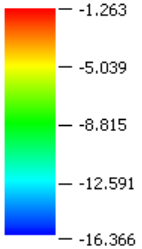
3D



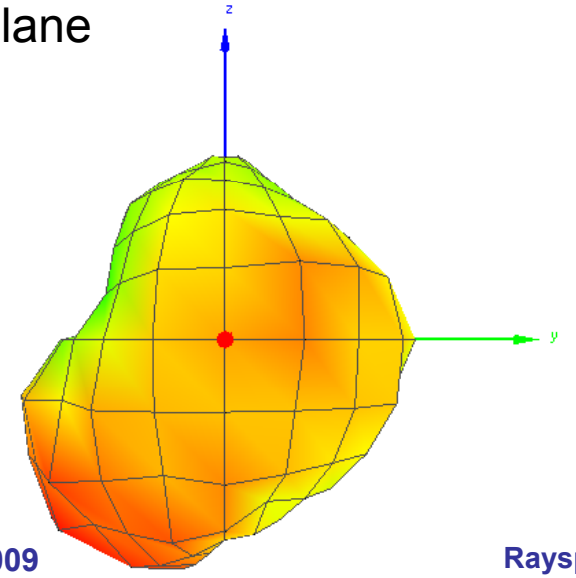


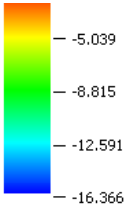
x-z plane



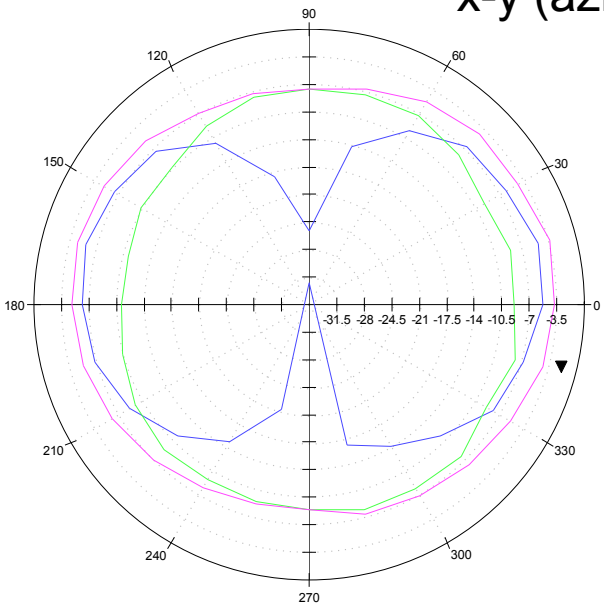


y-z plane





x-y (azimuth) plane



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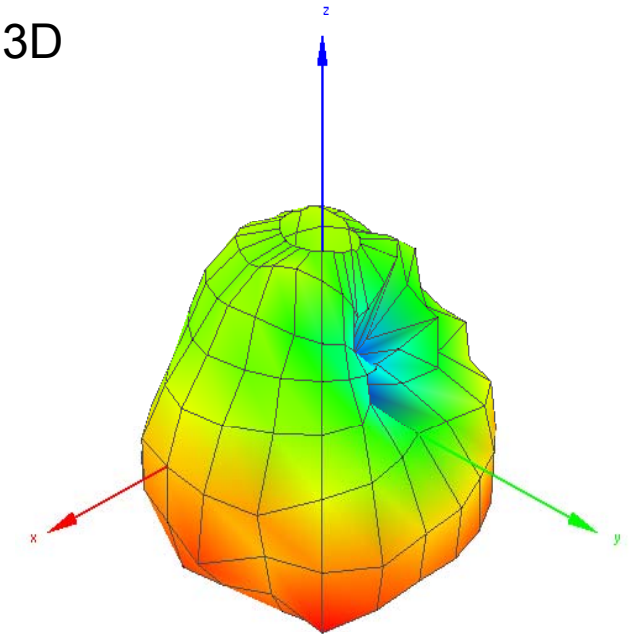
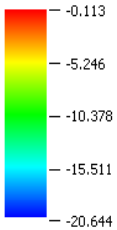
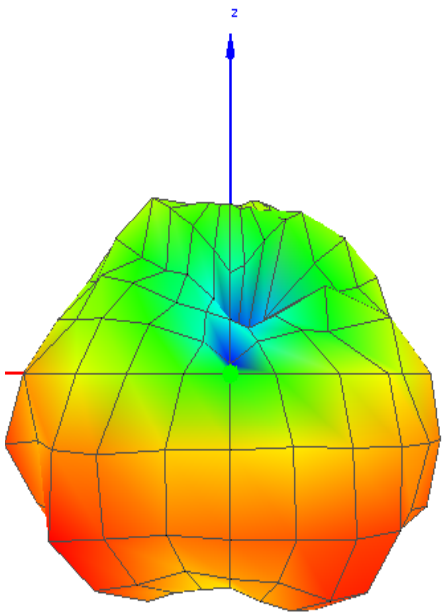
Radiation Pattern
Antenna 2 at 2440MHz

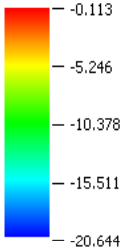
3D



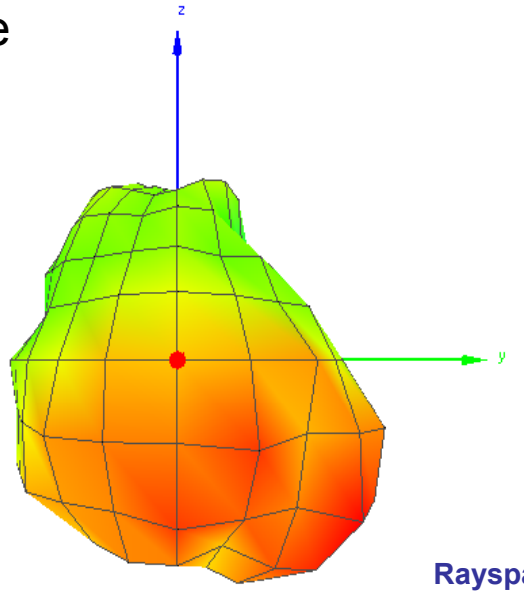


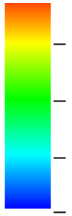
x-z plane



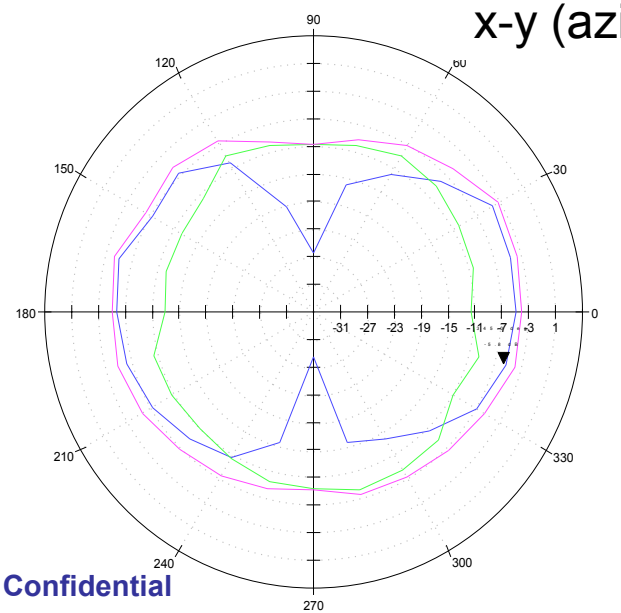


y-z plane





x-y (azimuth) plane



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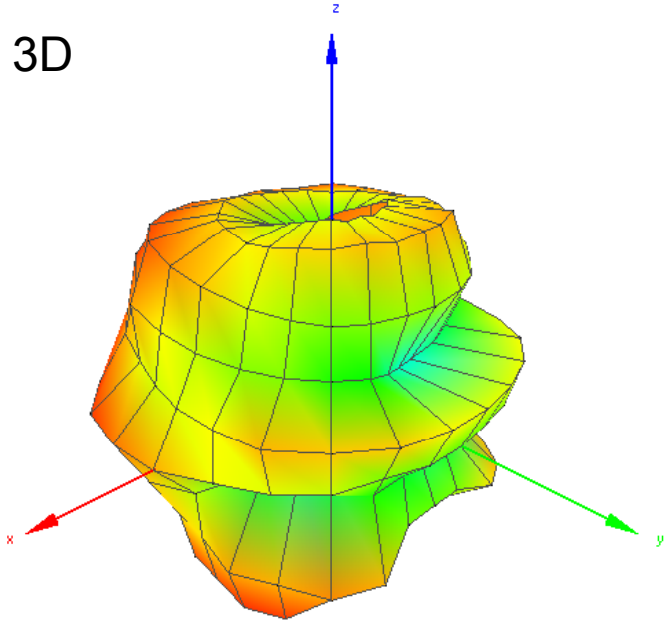
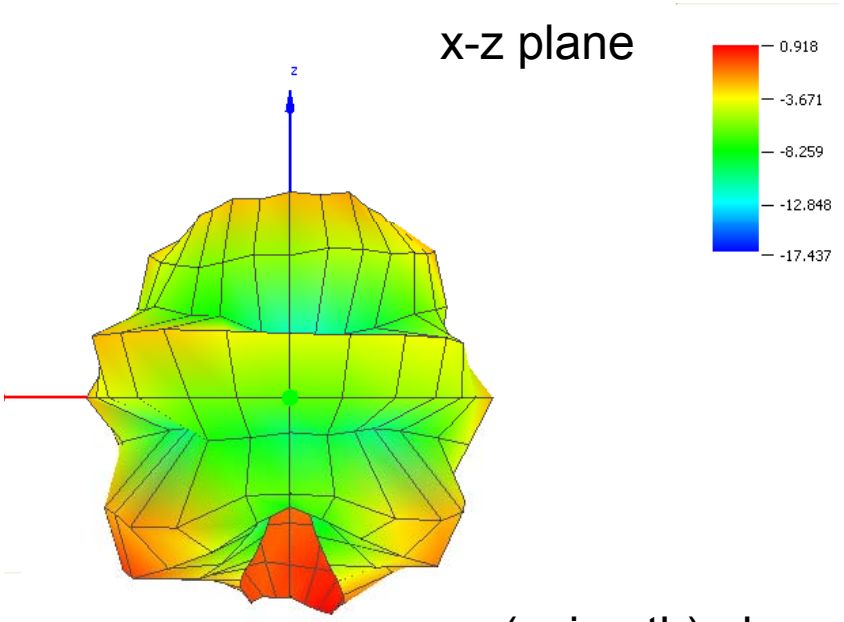
Radiation Pattern
Antenna 1 at 5500MHz

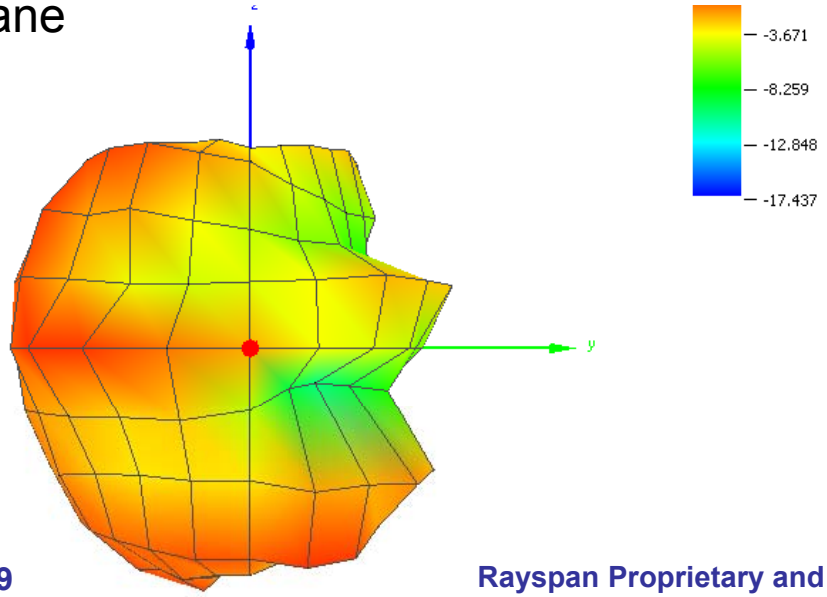
3D



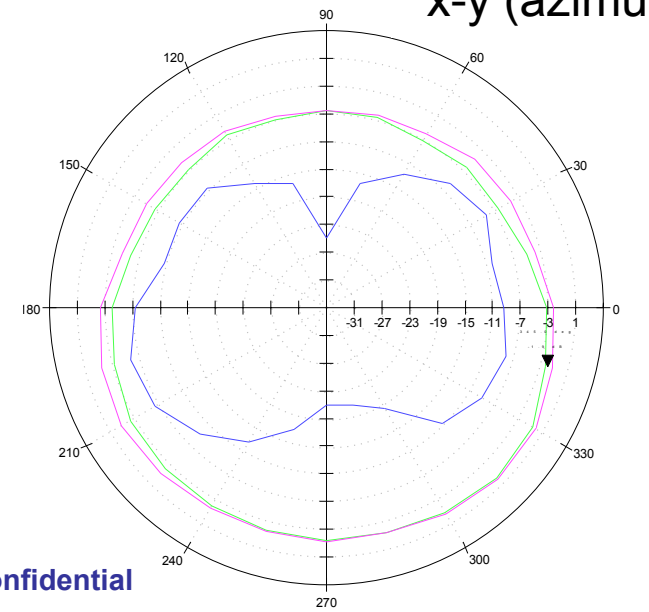
x-z plane



y-z plane



x-y (azimuth) plane



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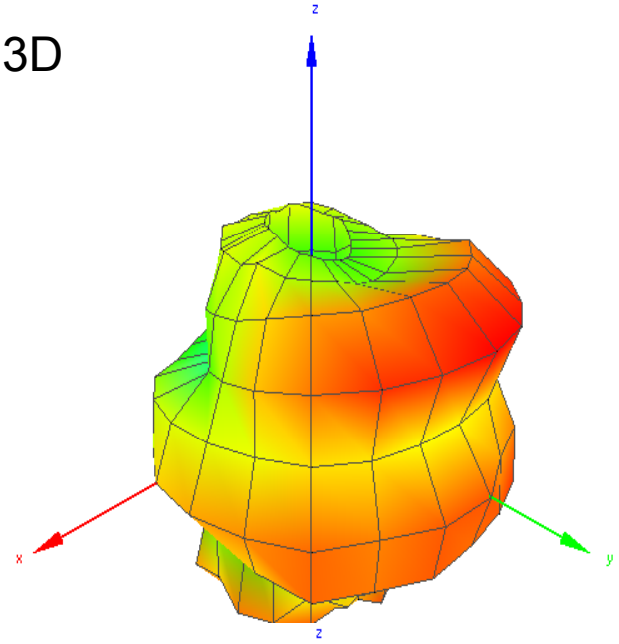
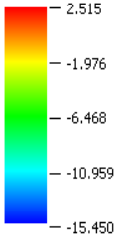
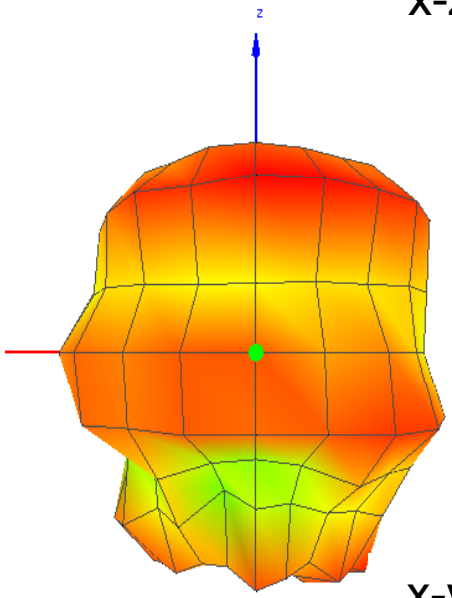
Radiation Pattern
Antenna 2 at 5500MHz

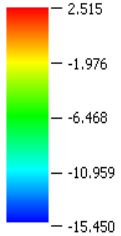
3D



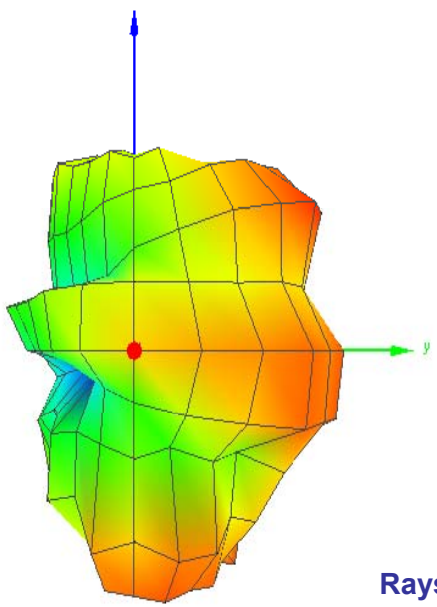


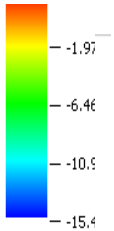
x-z plane





y-z plane





x-y (azimuth) plane