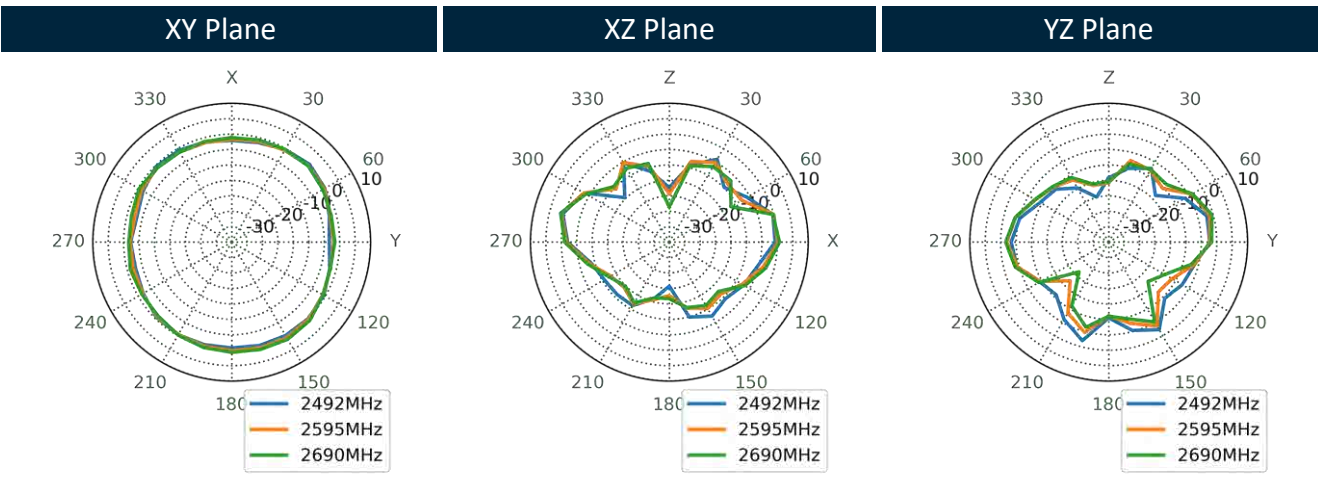
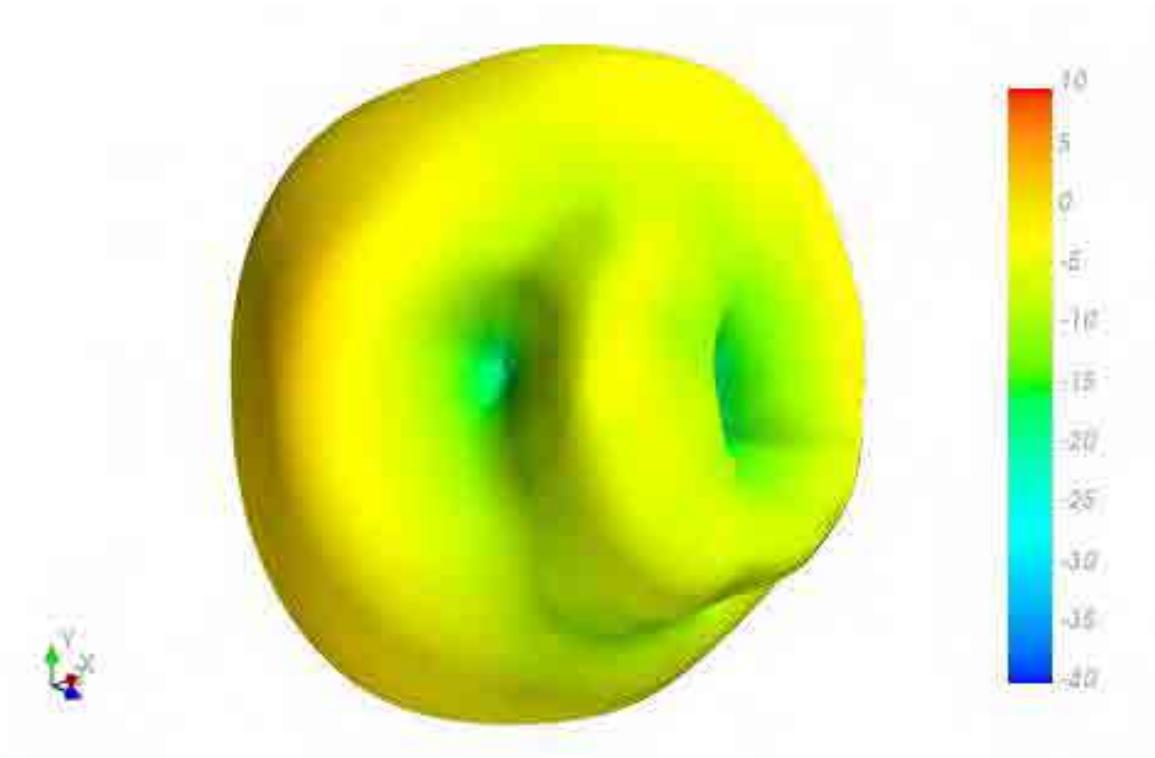
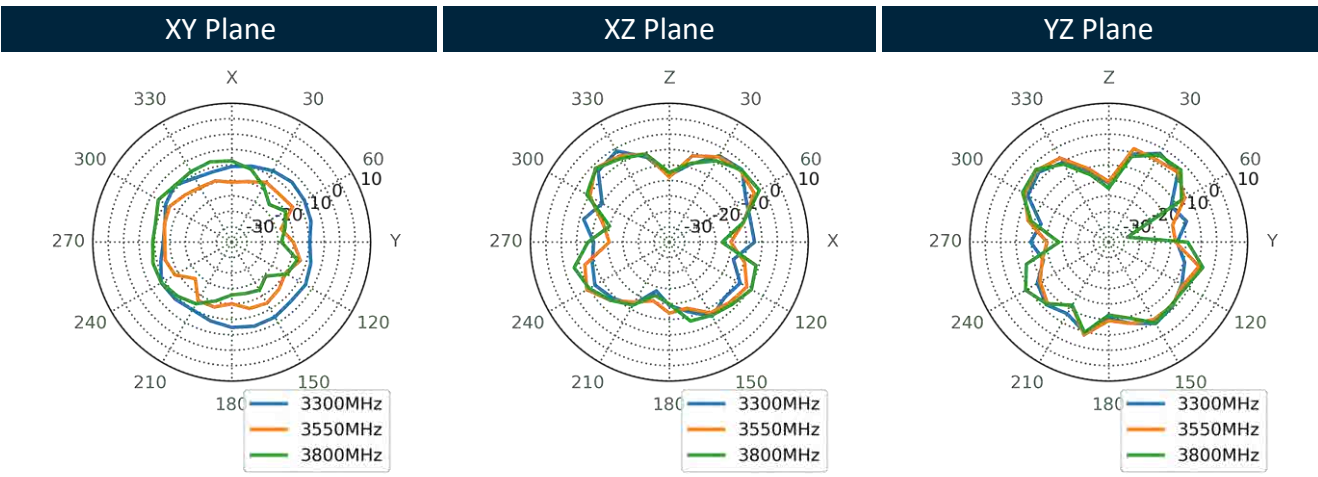
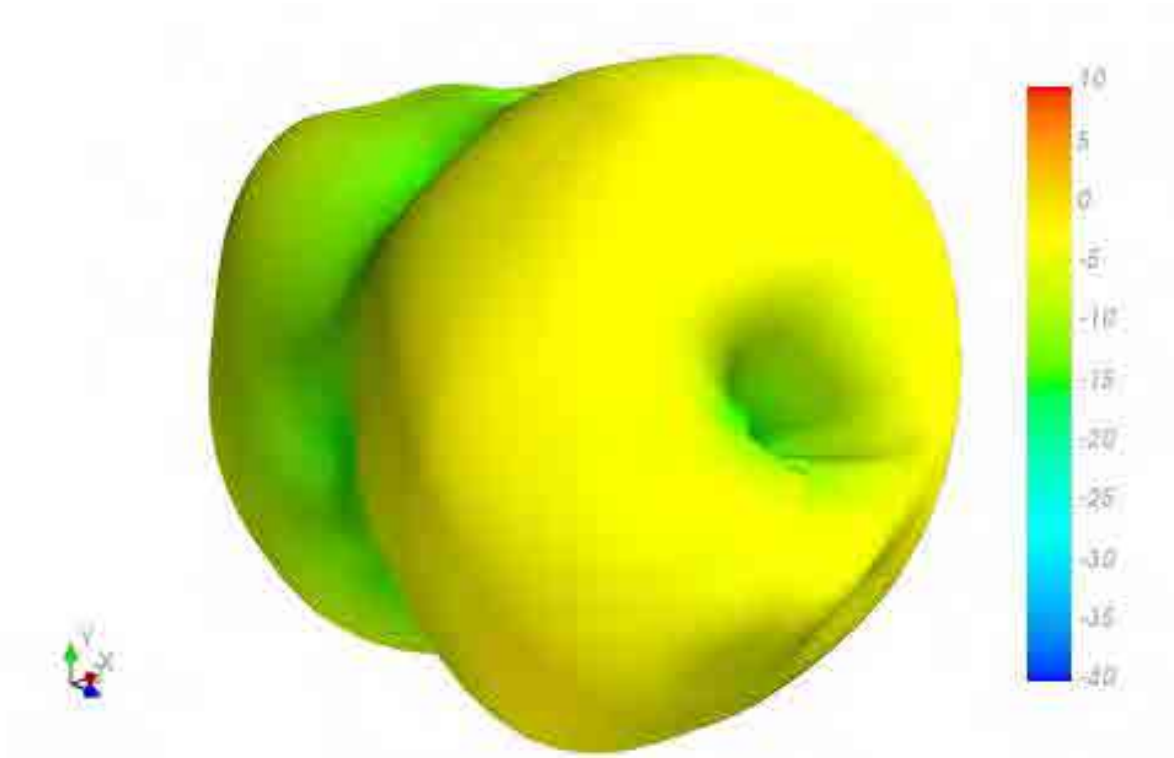


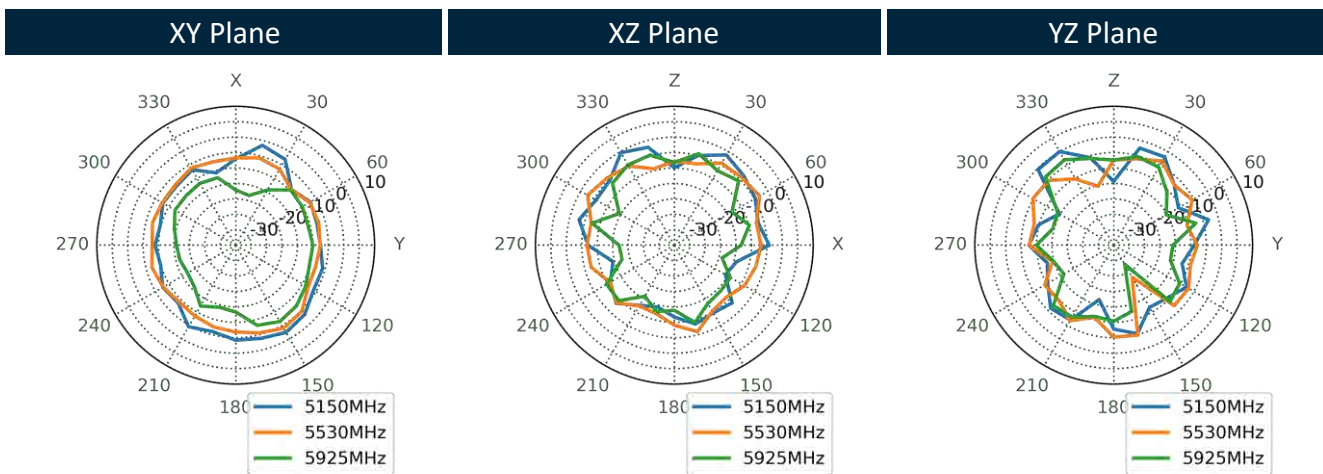
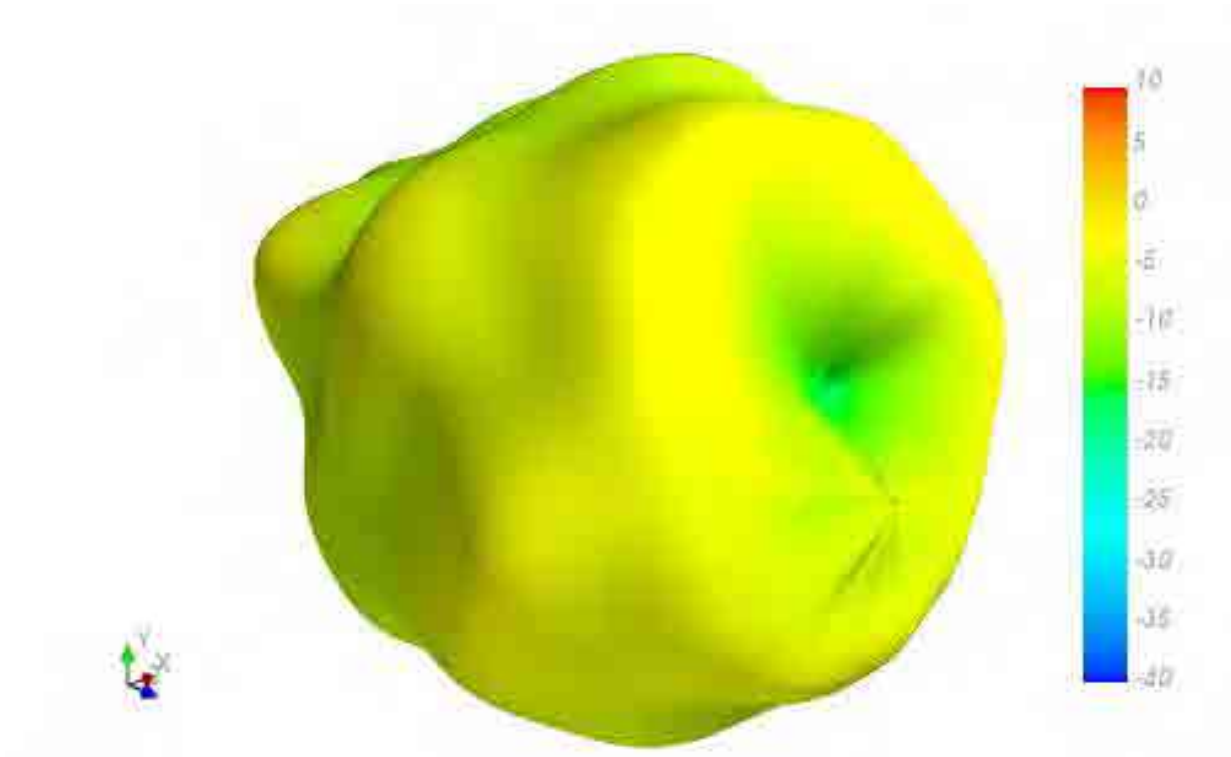
2595MHz



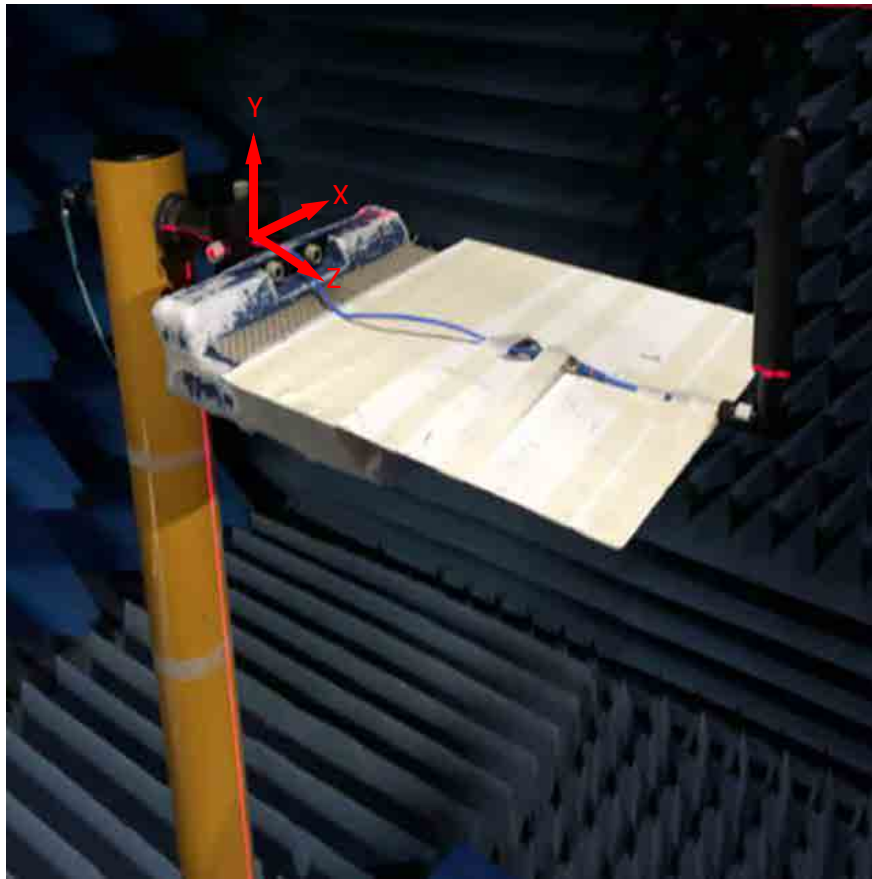
3550MHz



5530MHz



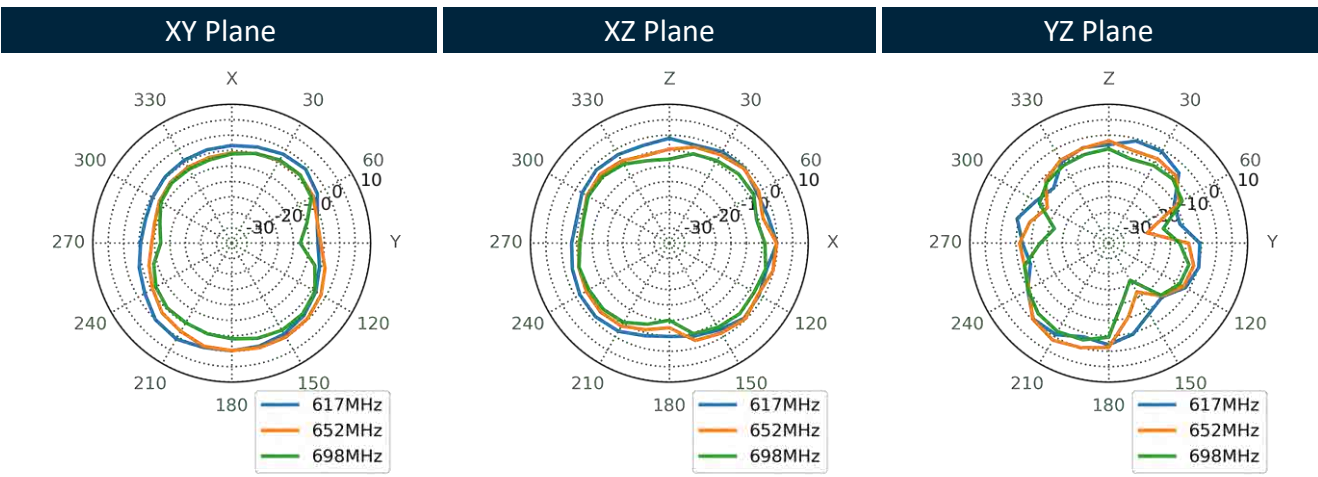
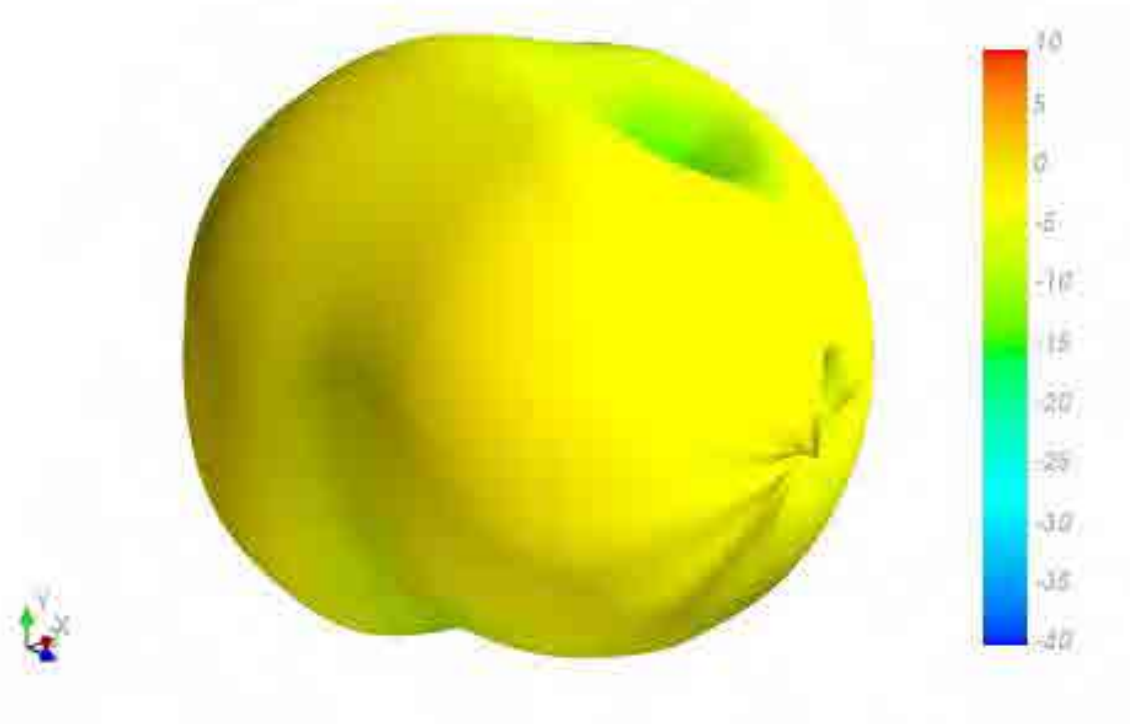
4.7 Test Setup



Bent 30x30cm Ground Plane Edge

4.8 Bent 30x30cm Ground Plane Edge 2D & 3D Radiation Patterns

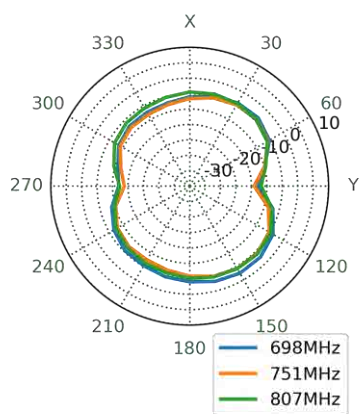
652MHz



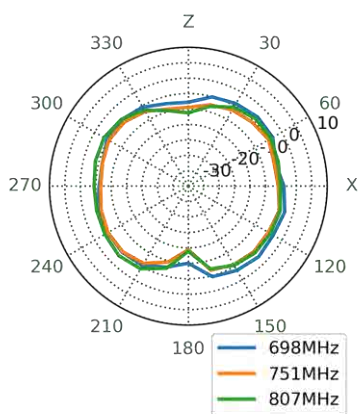
751MHz



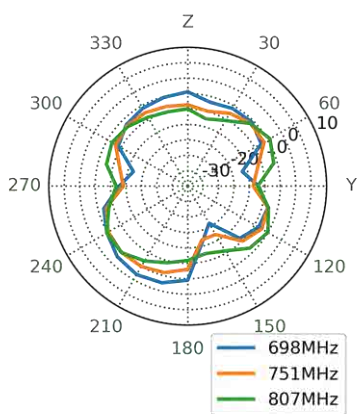
XY Plane



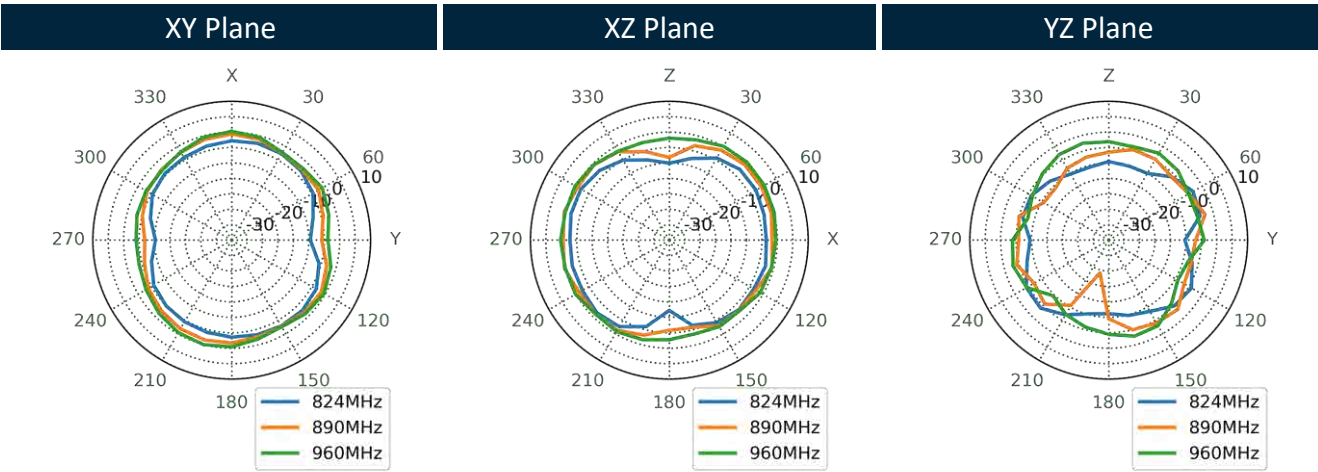
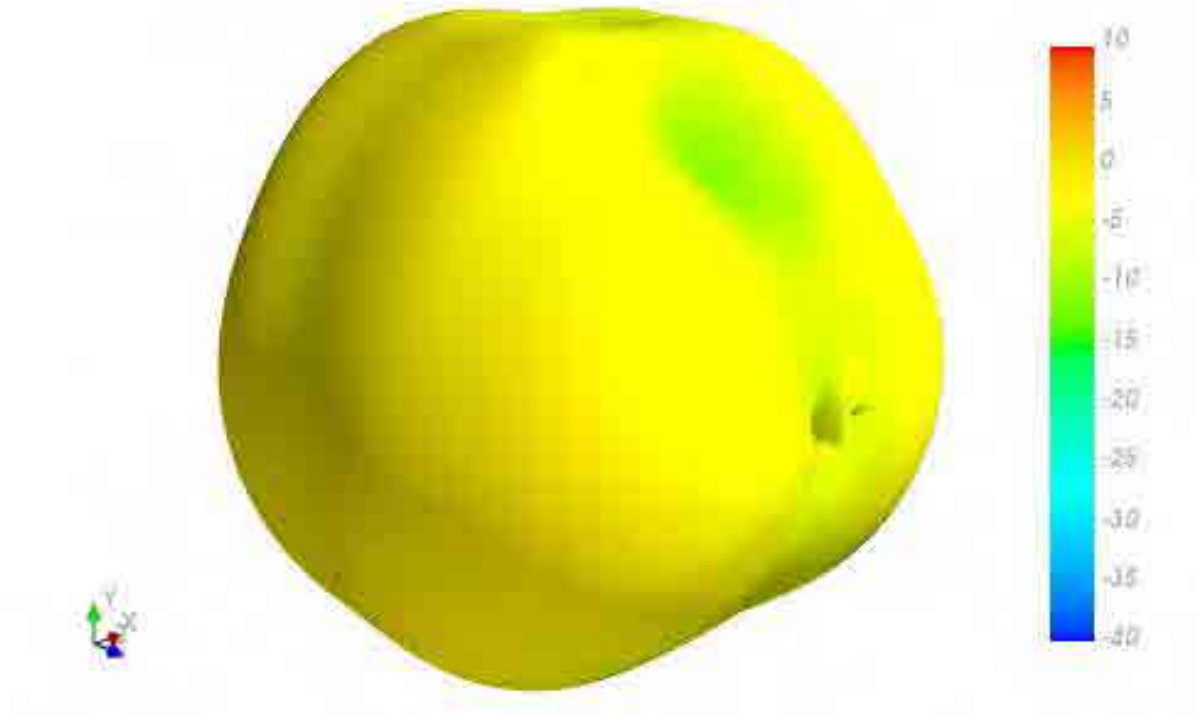
XZ Plane



YZ Plane

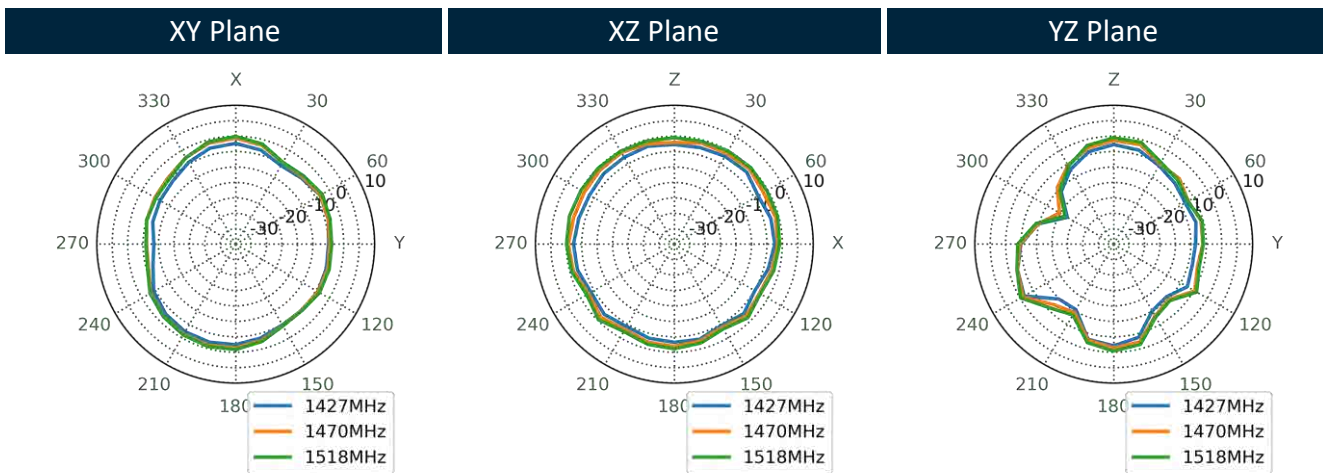
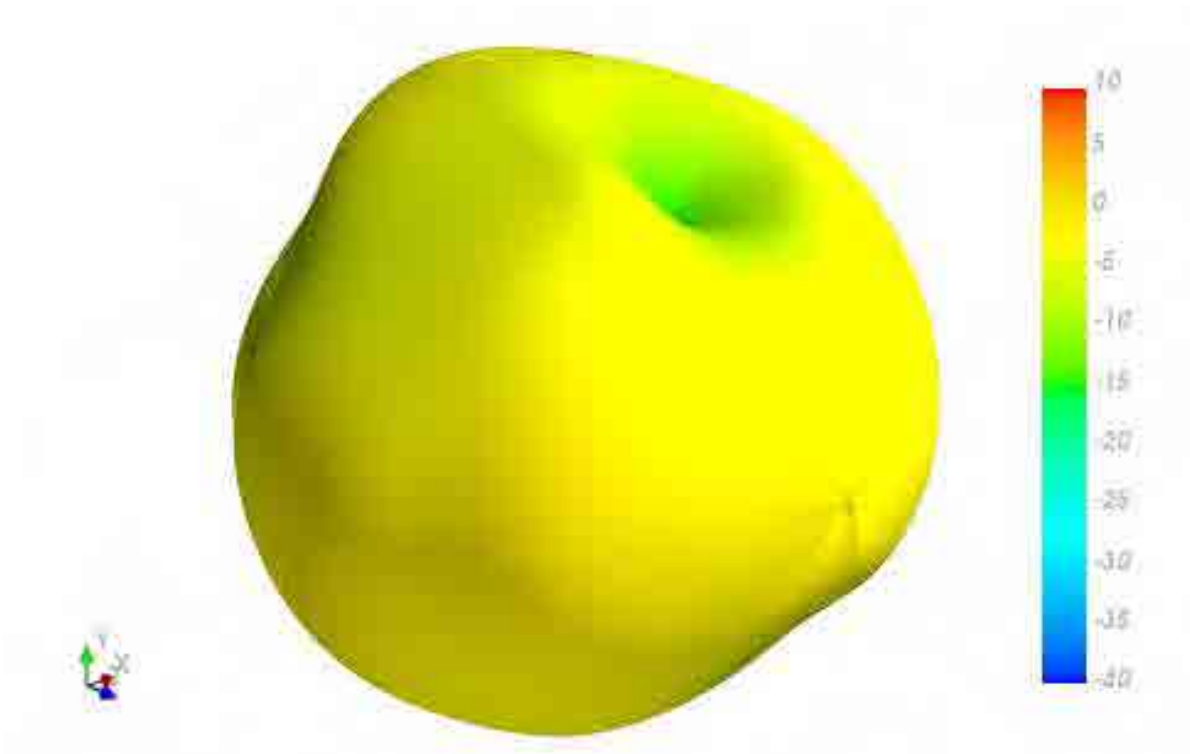


890MHz



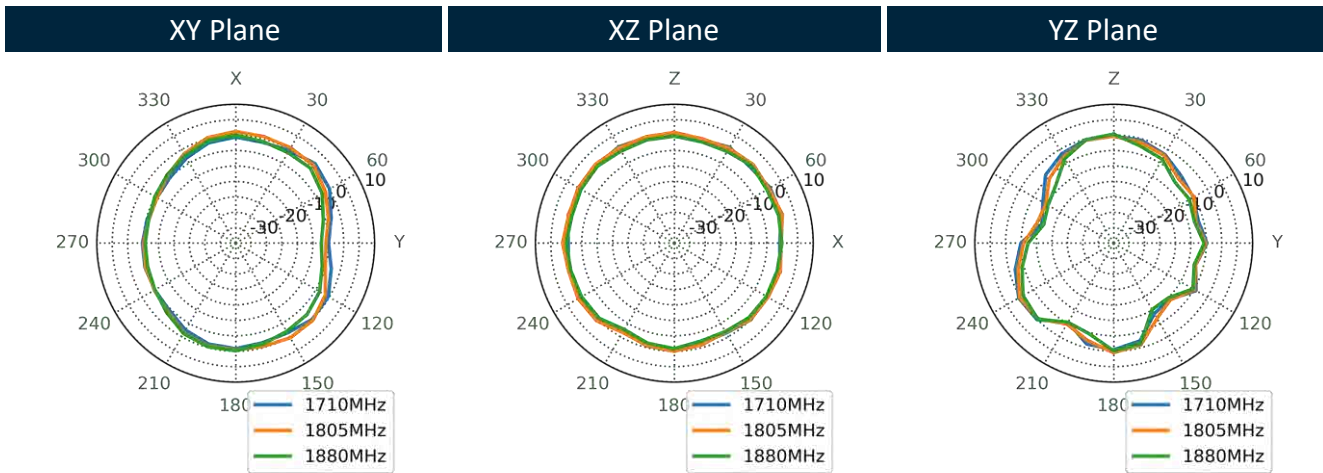
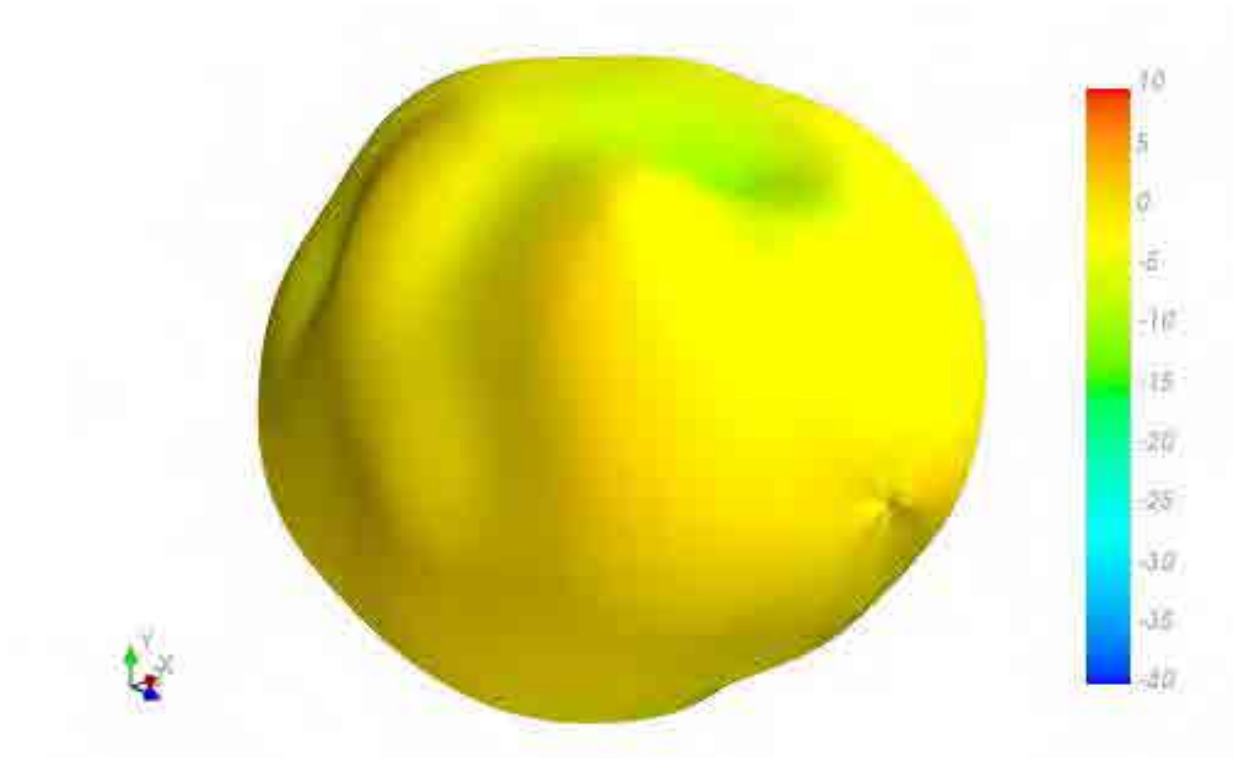


1470MHz

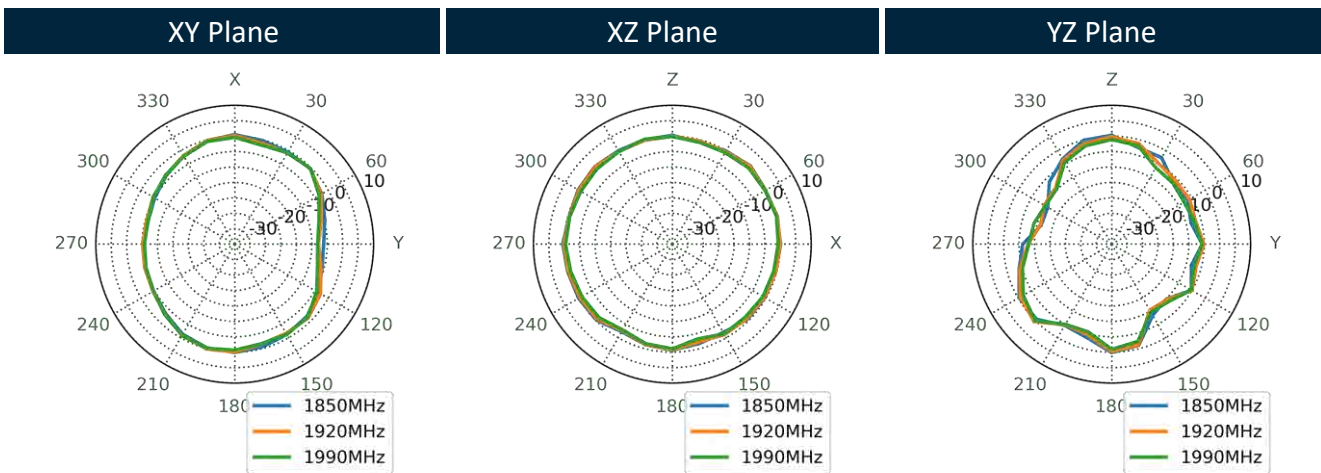
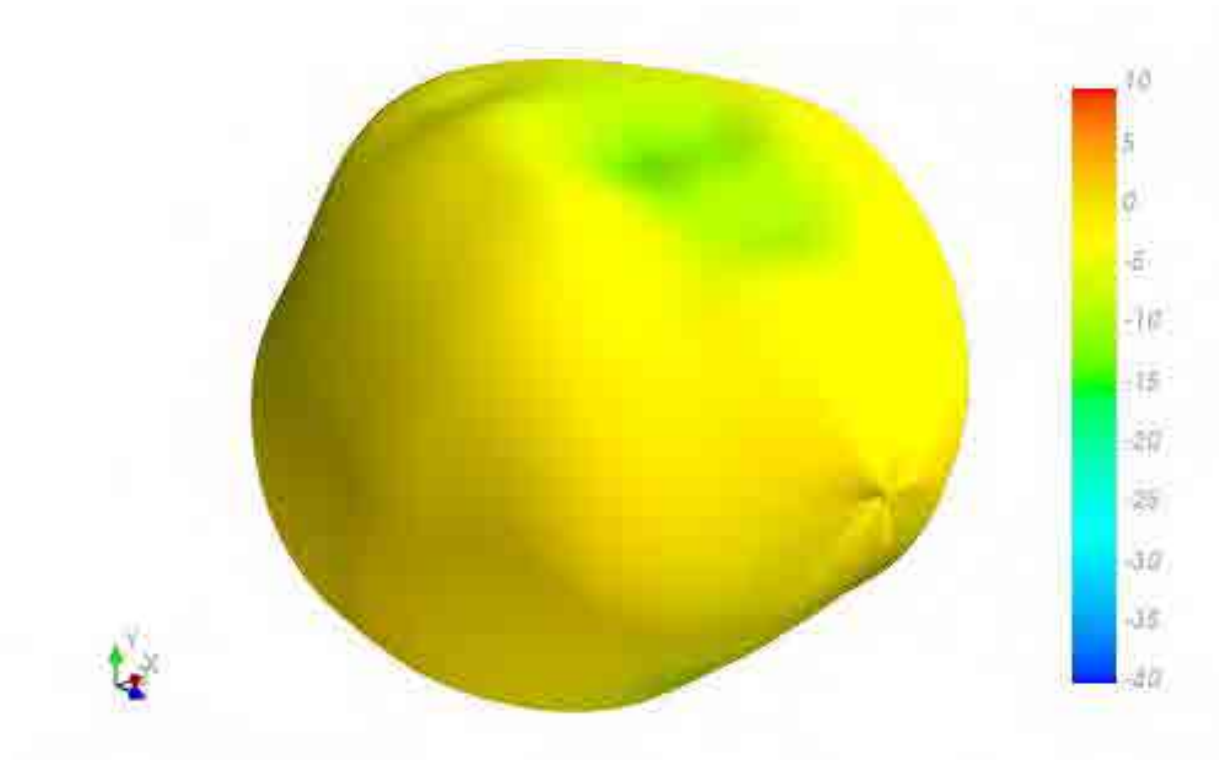




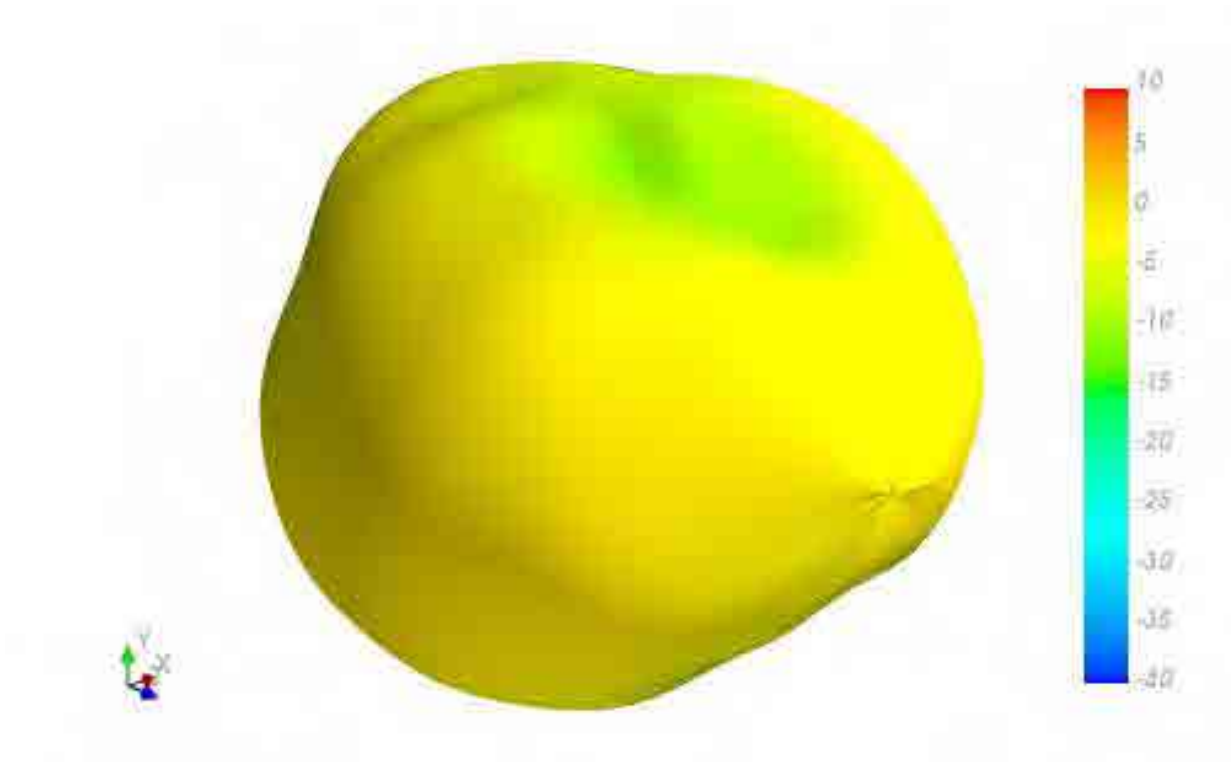
1805MHz



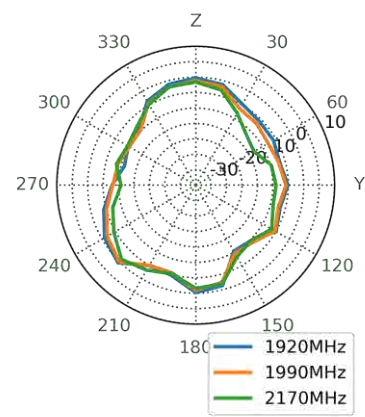
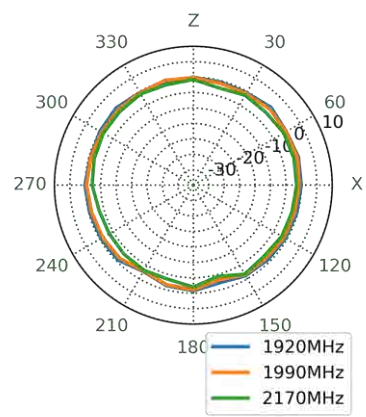
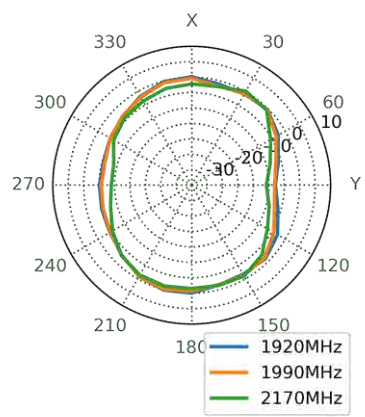
1920MHz



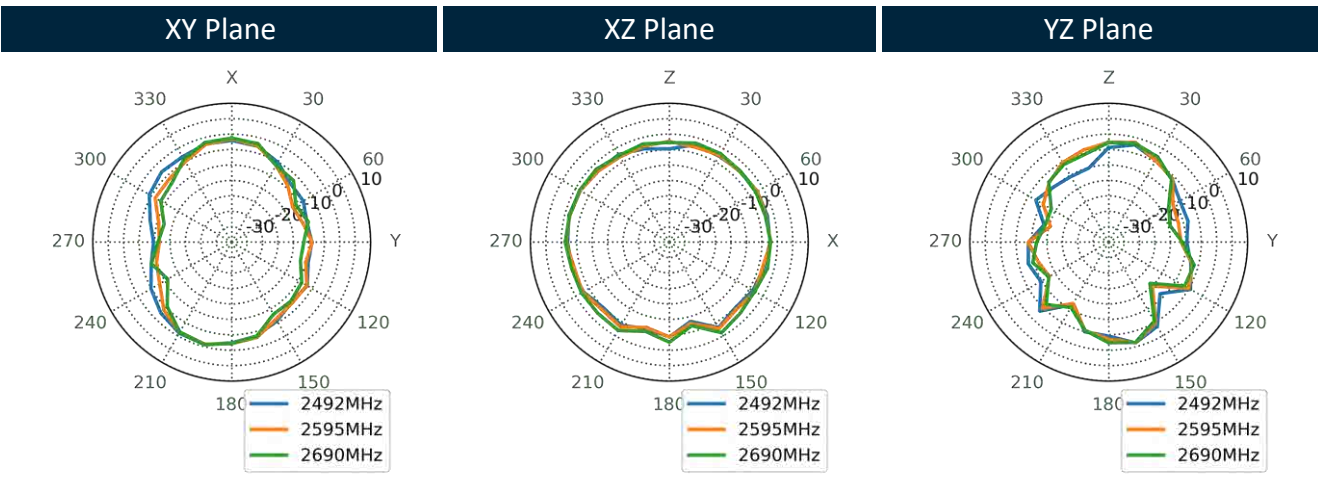
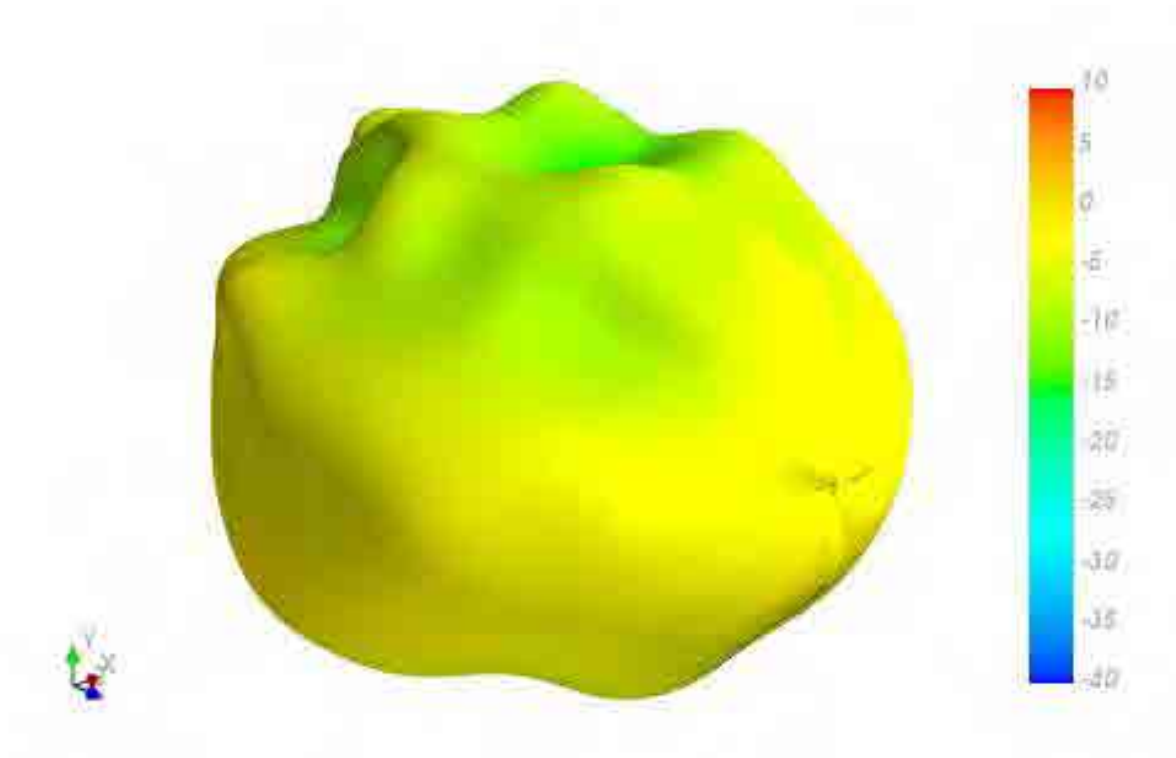
1990MHz



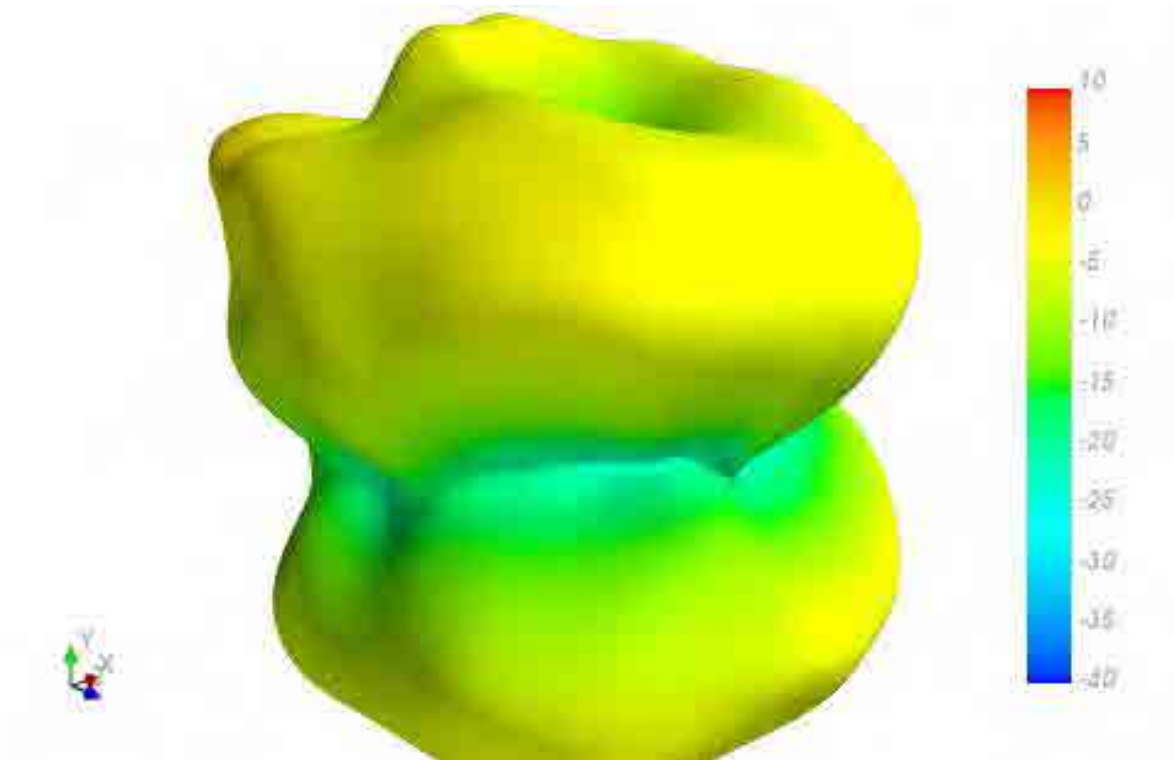
XY Plane      XZ Plane      YZ Plane



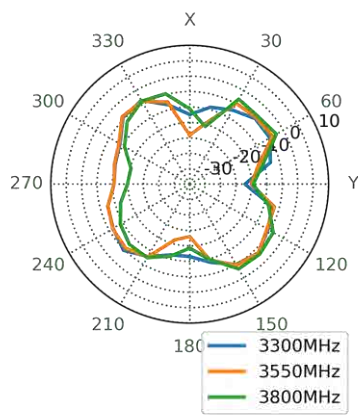
2595MHz



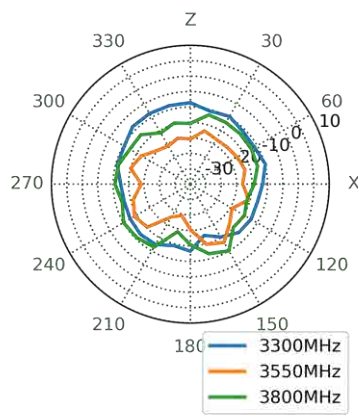
3550MHz



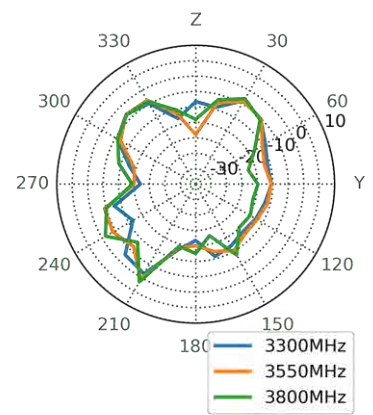
XY Plane



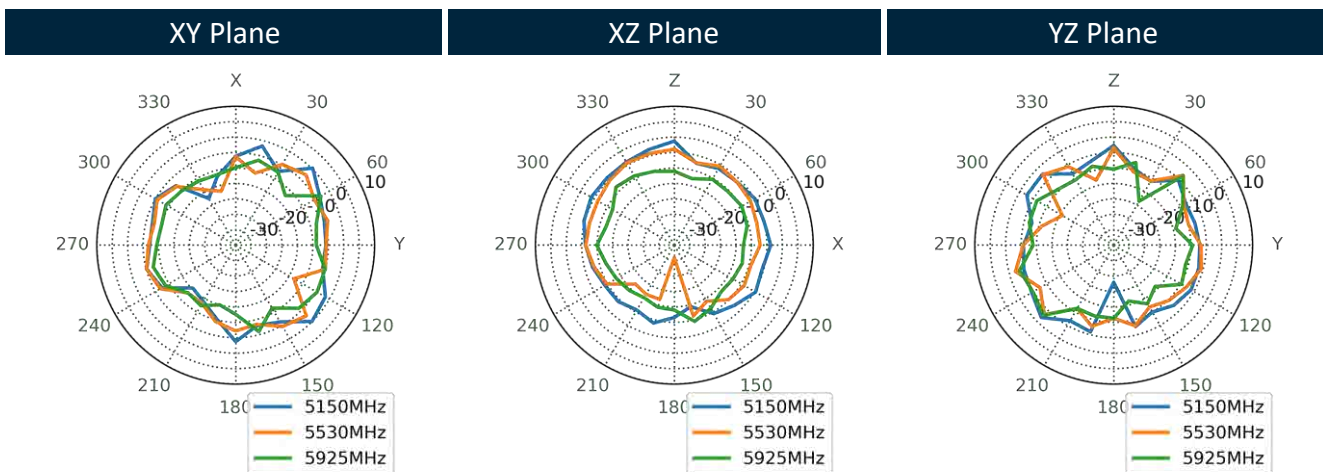
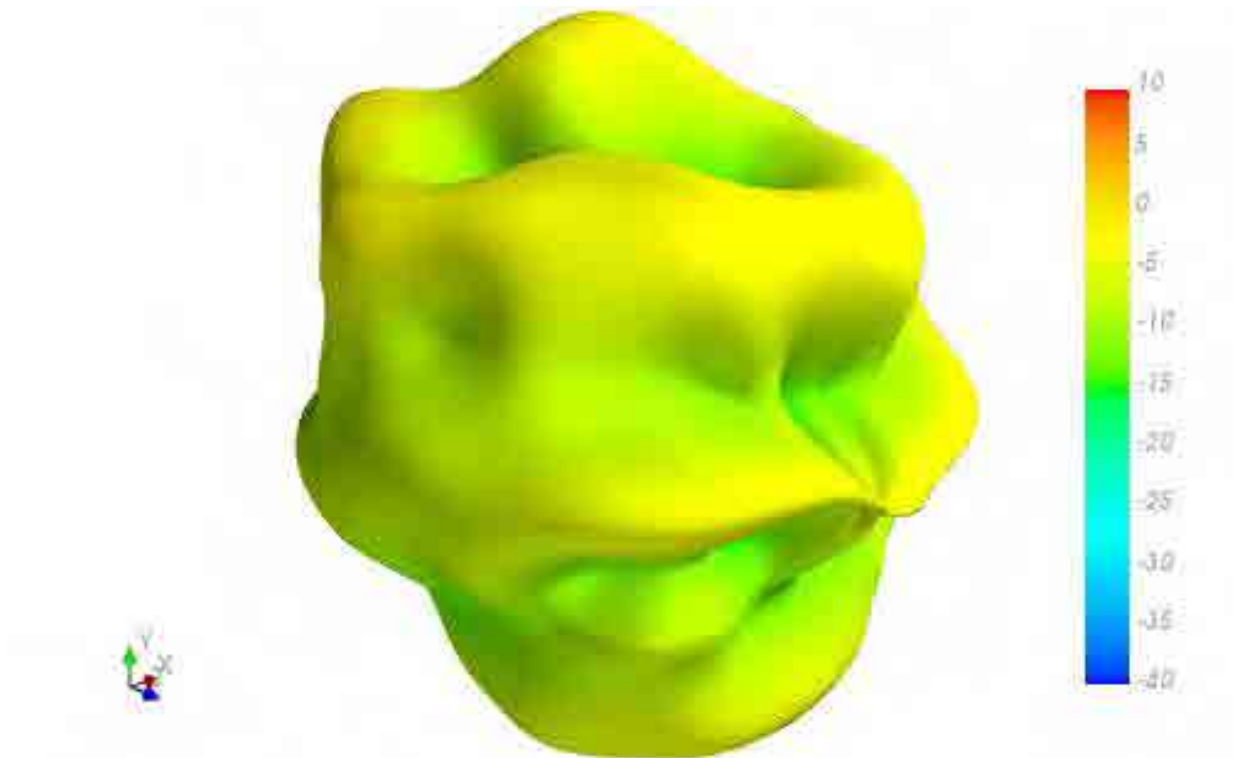
XZ Plane



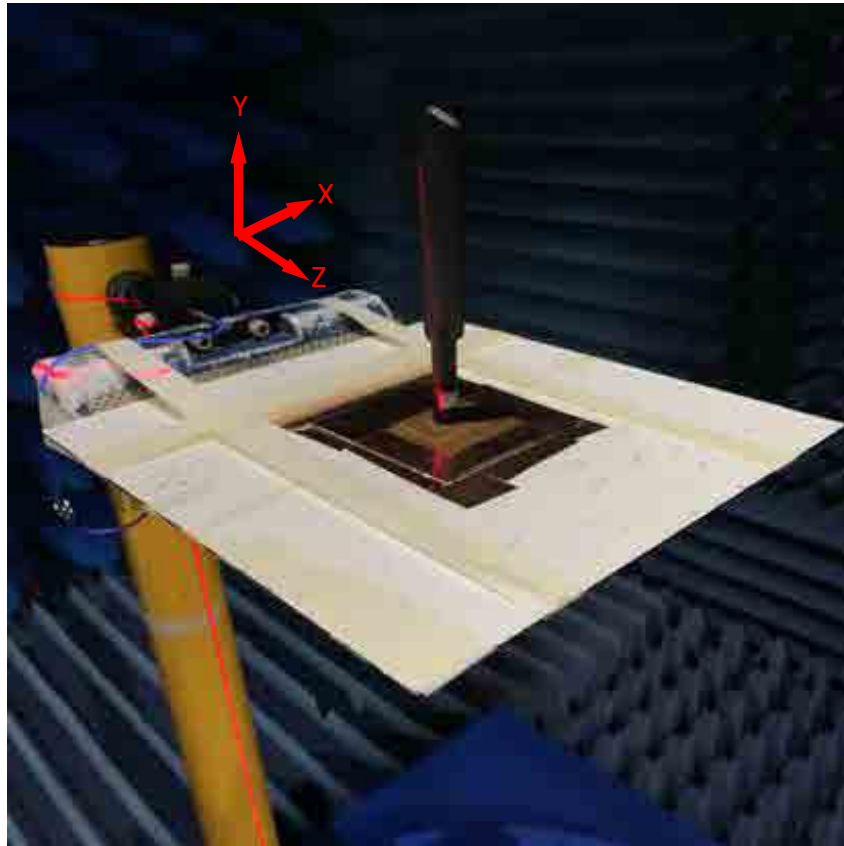
YZ Plane



5530MHz



4.9 Test Setup

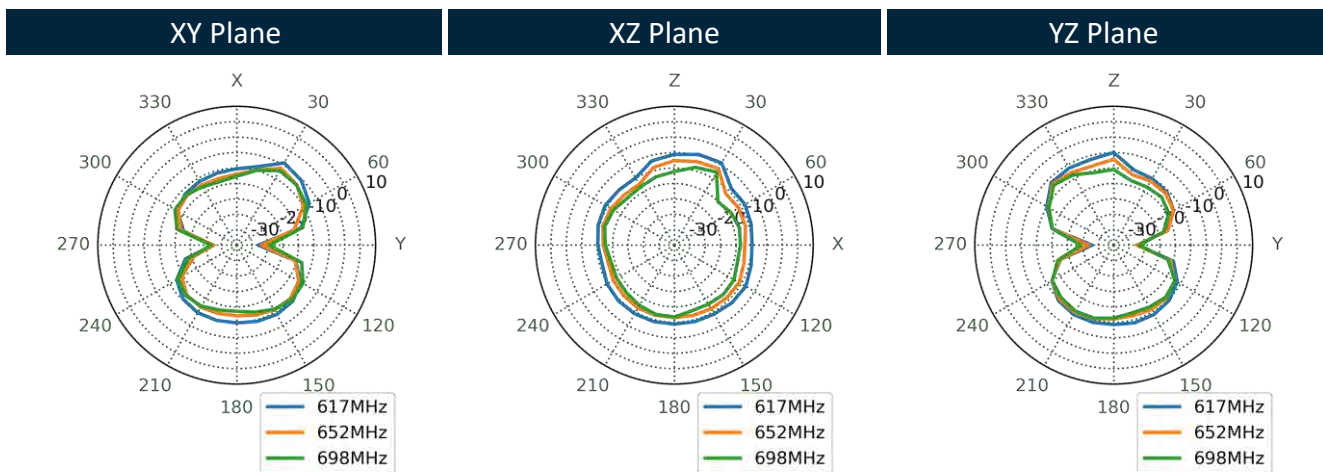


Straight 30x30cm Ground Plane Centre

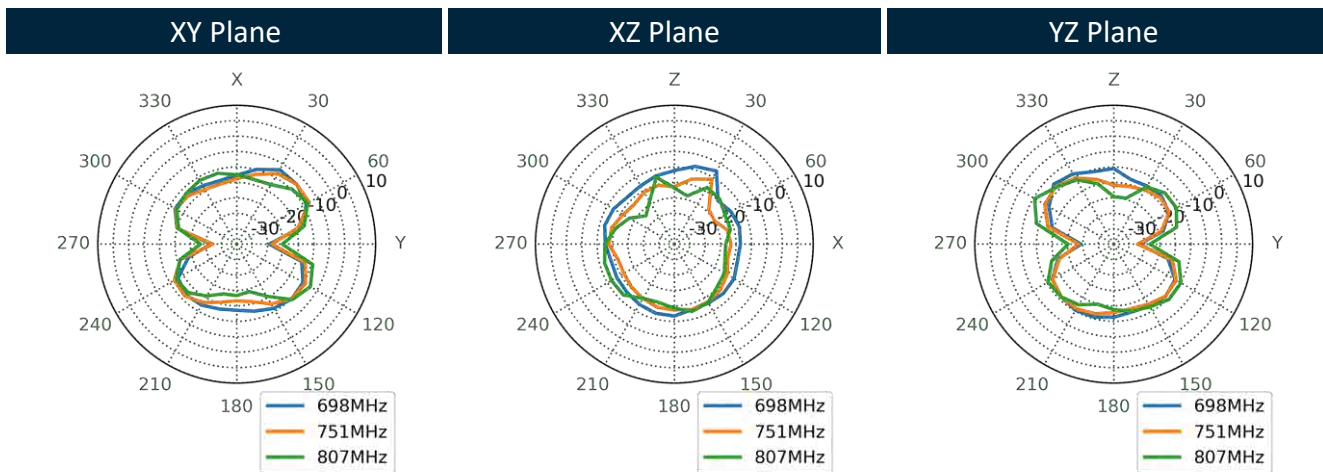
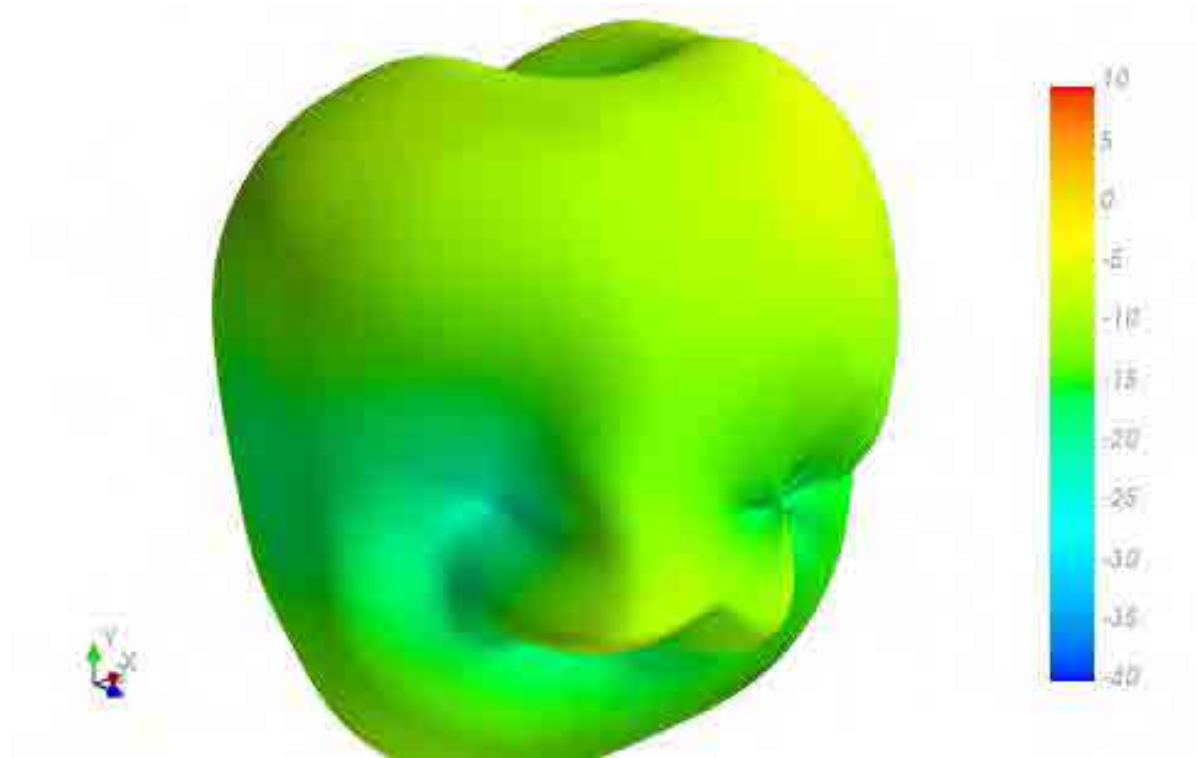


## 4.10 Straight 30x30cm Ground Plane Centre 2D & 3D Radiation Patterns

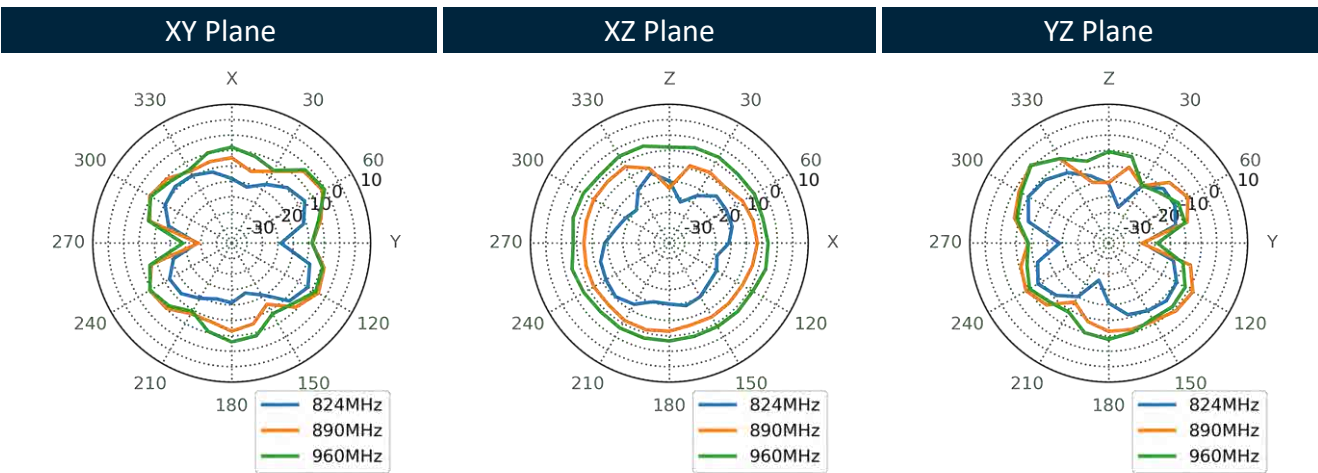
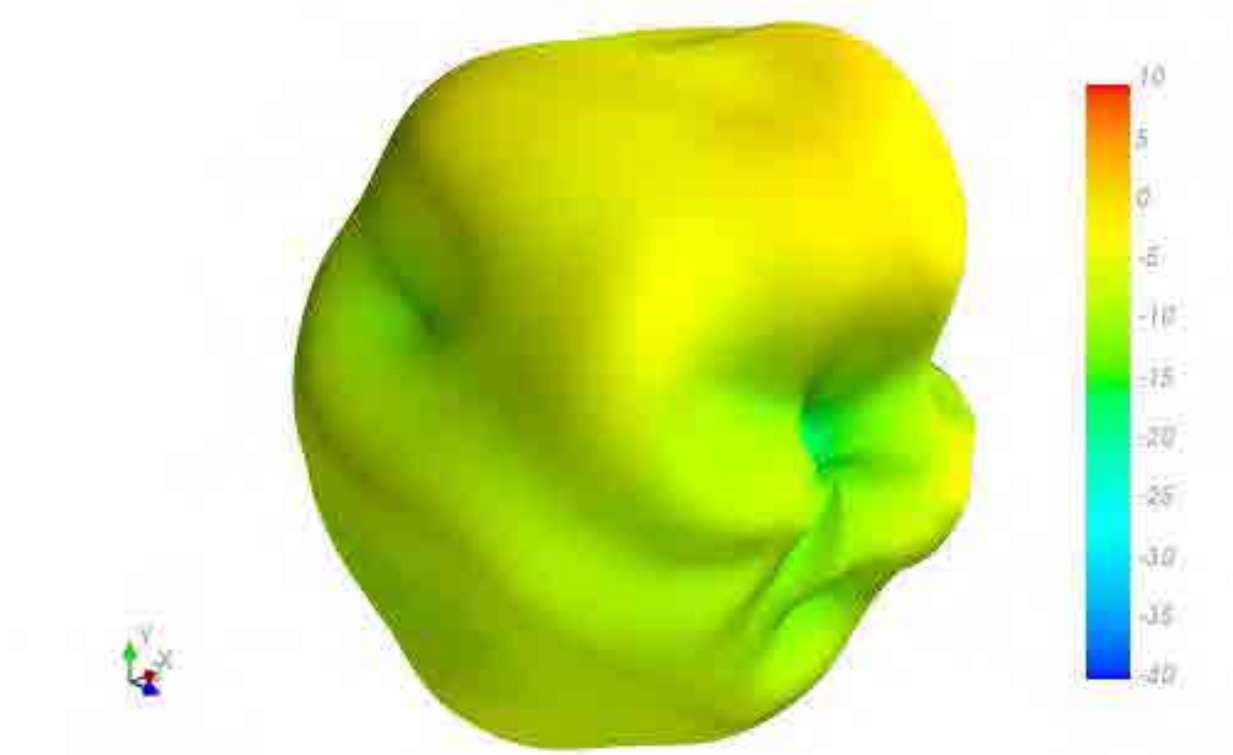
652MHz



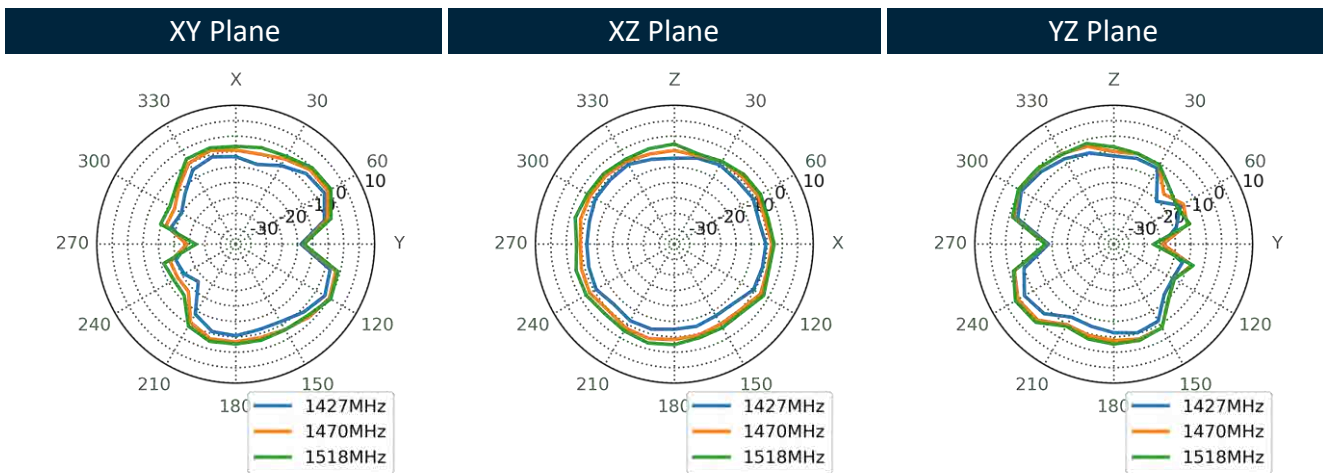
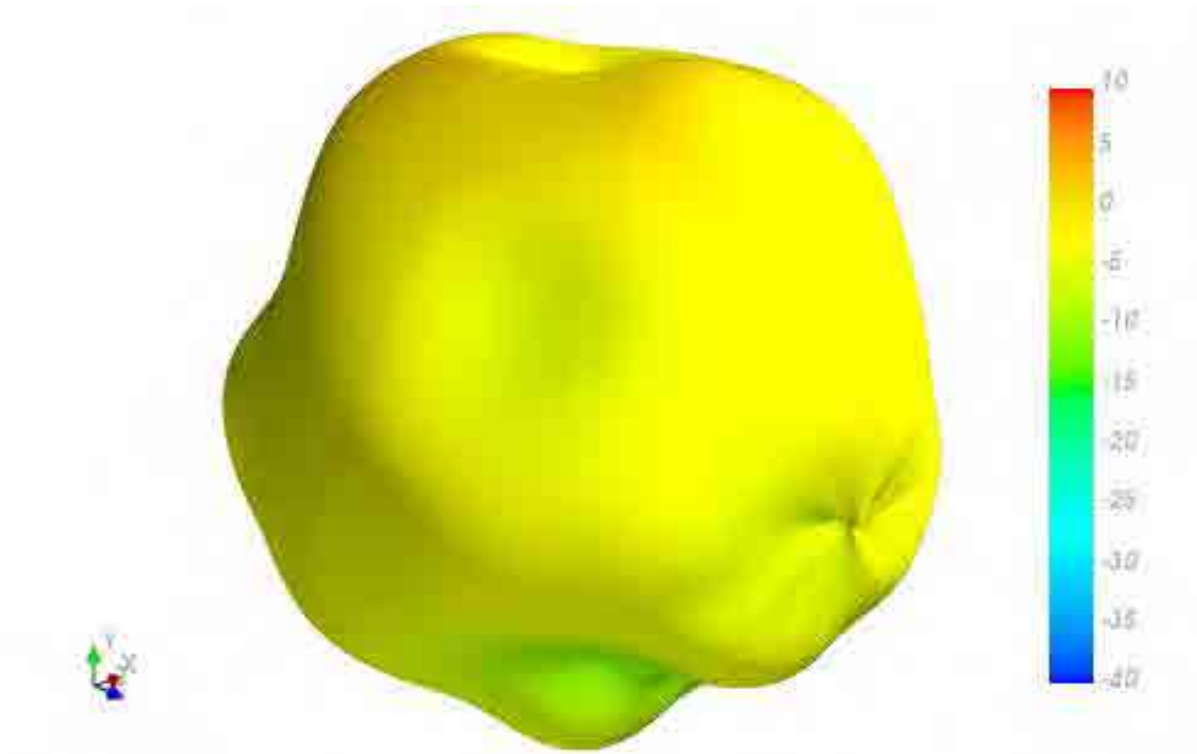
751MHz



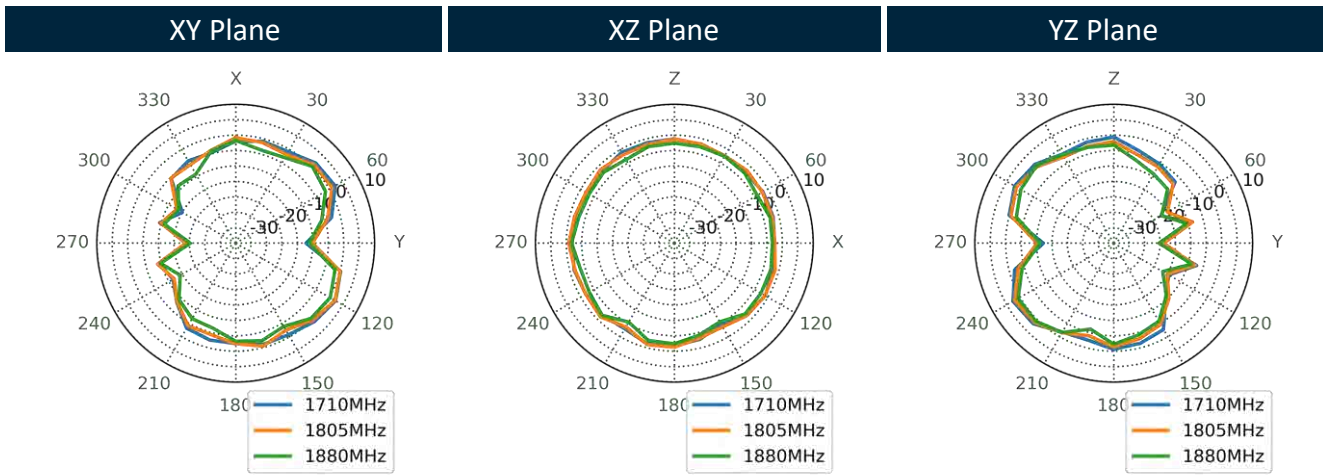
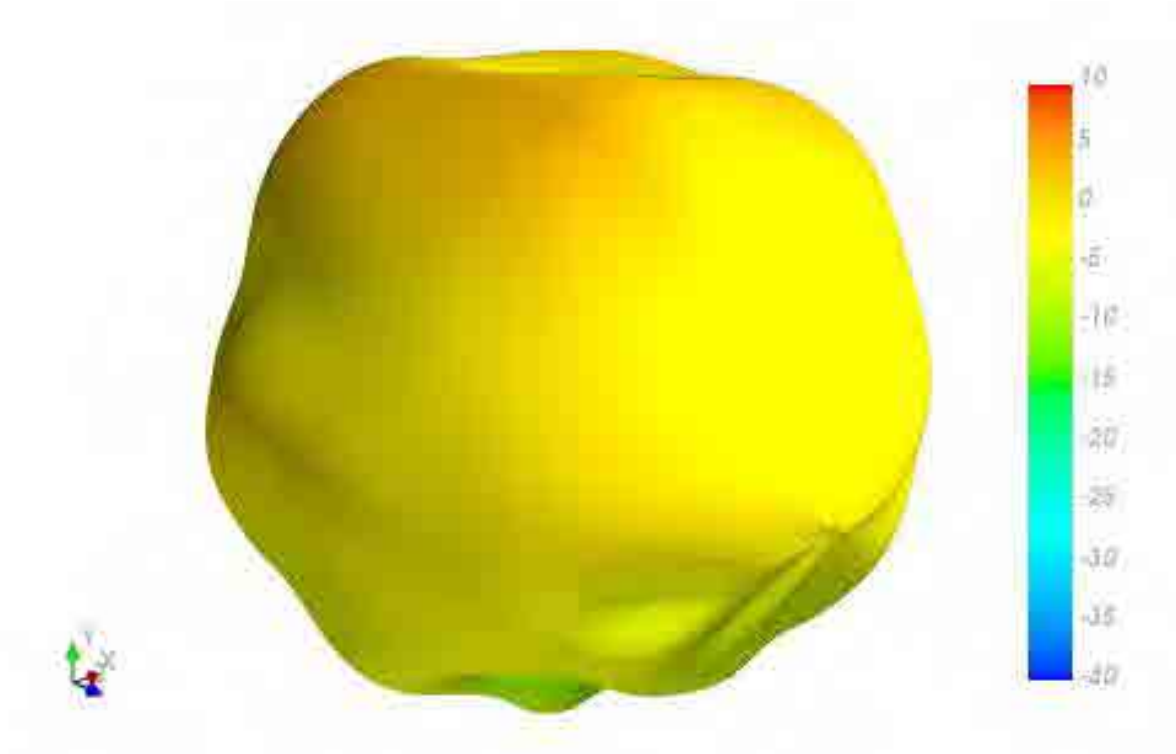
890MHz



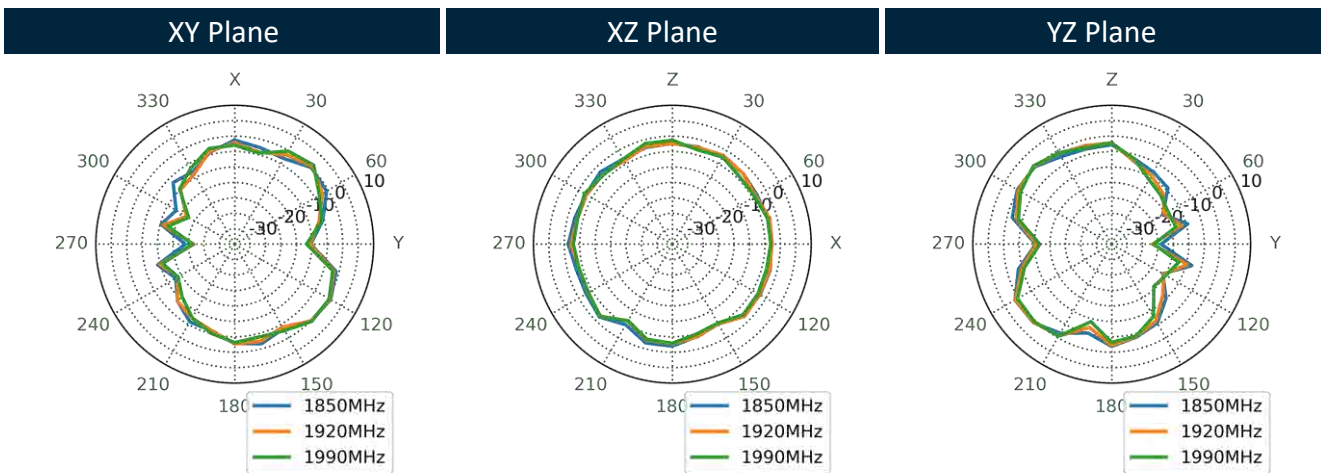
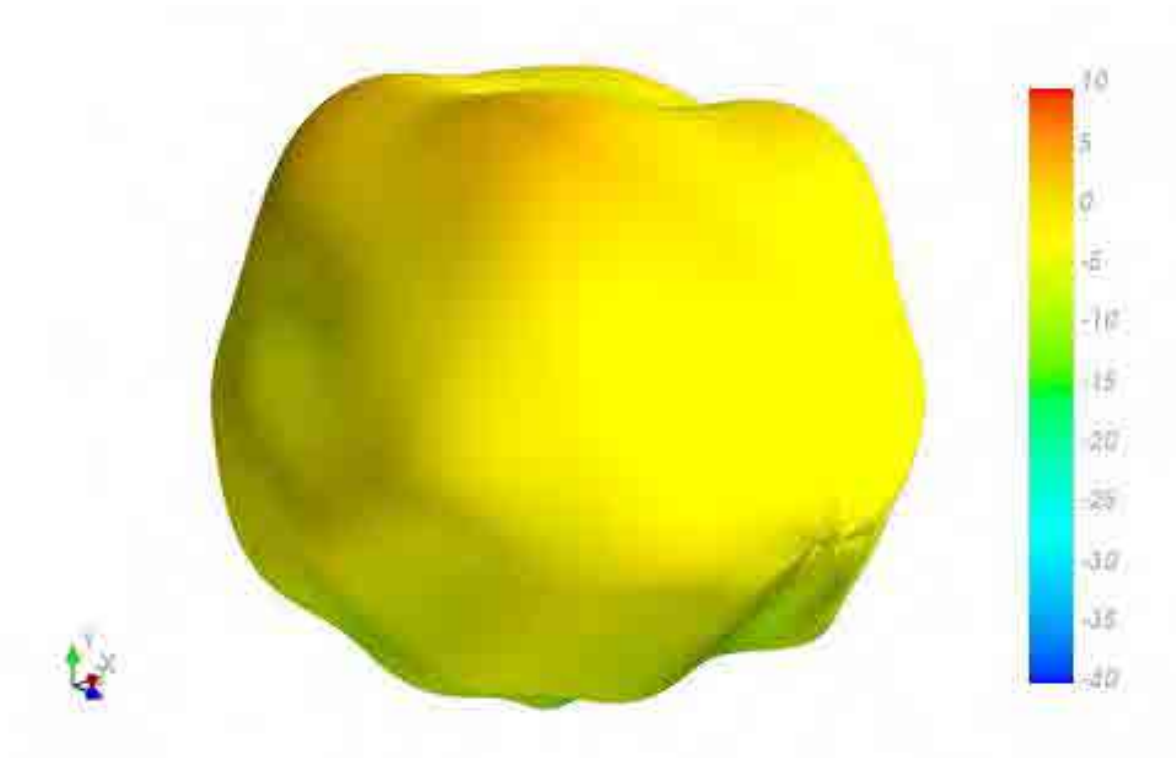
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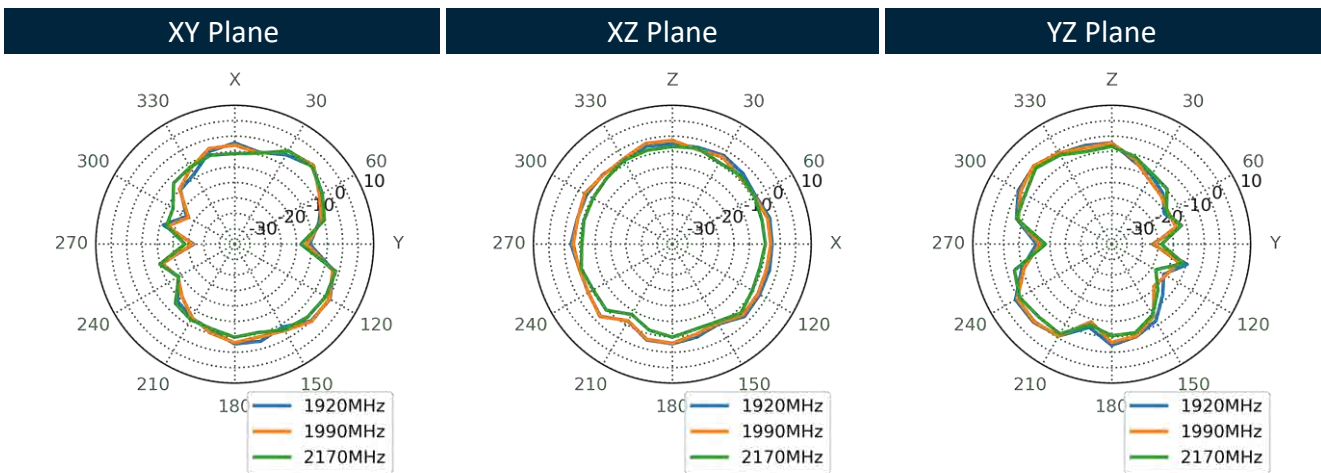
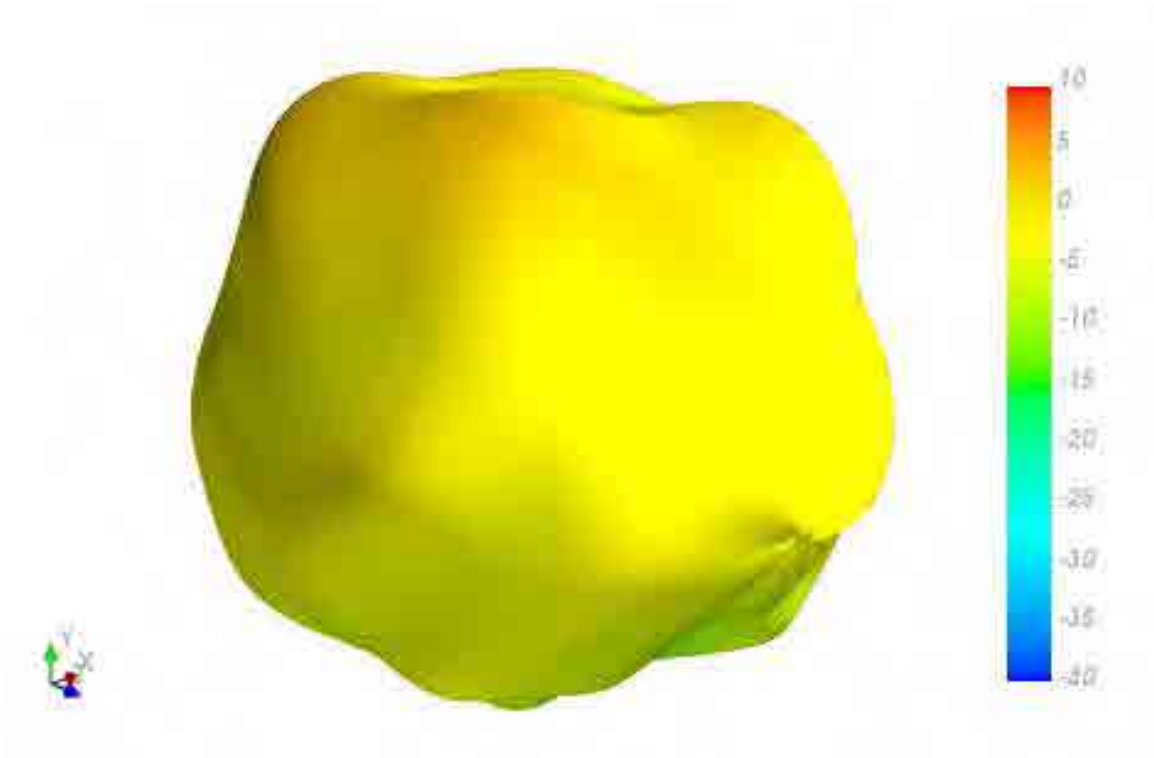
1805MHz



1920MHz

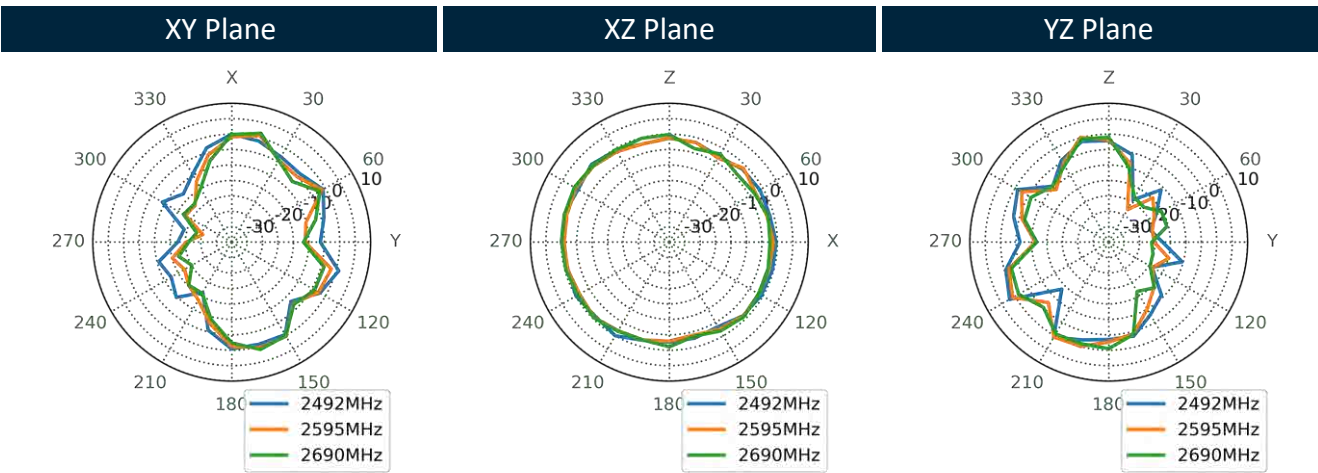
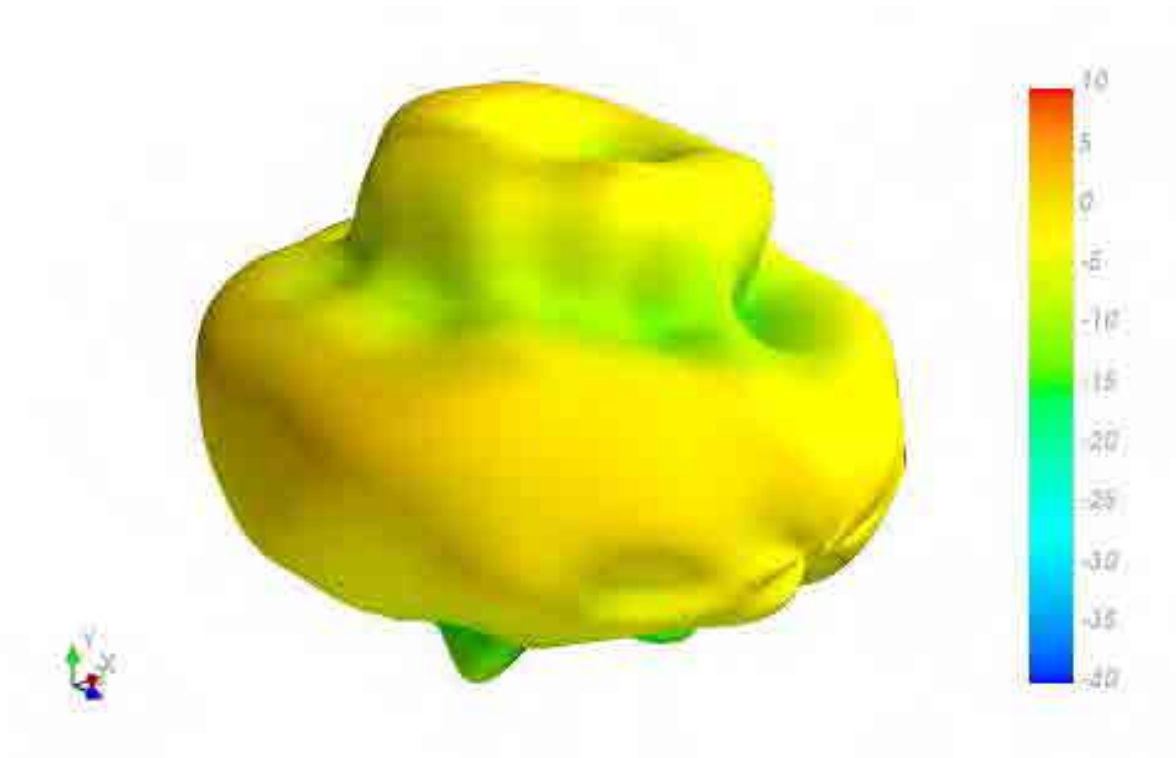


1990MHz

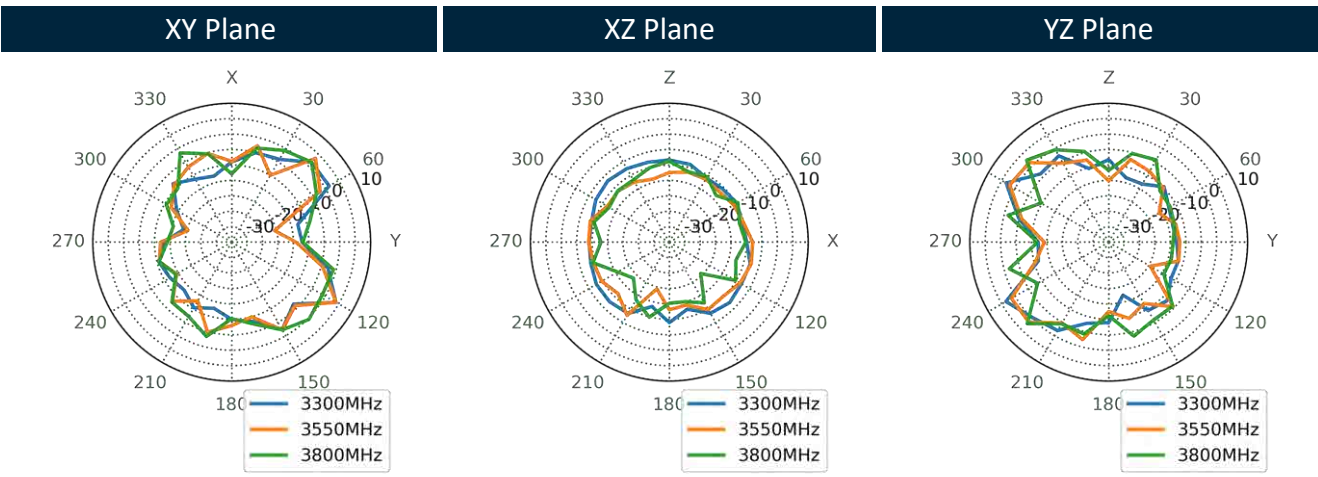
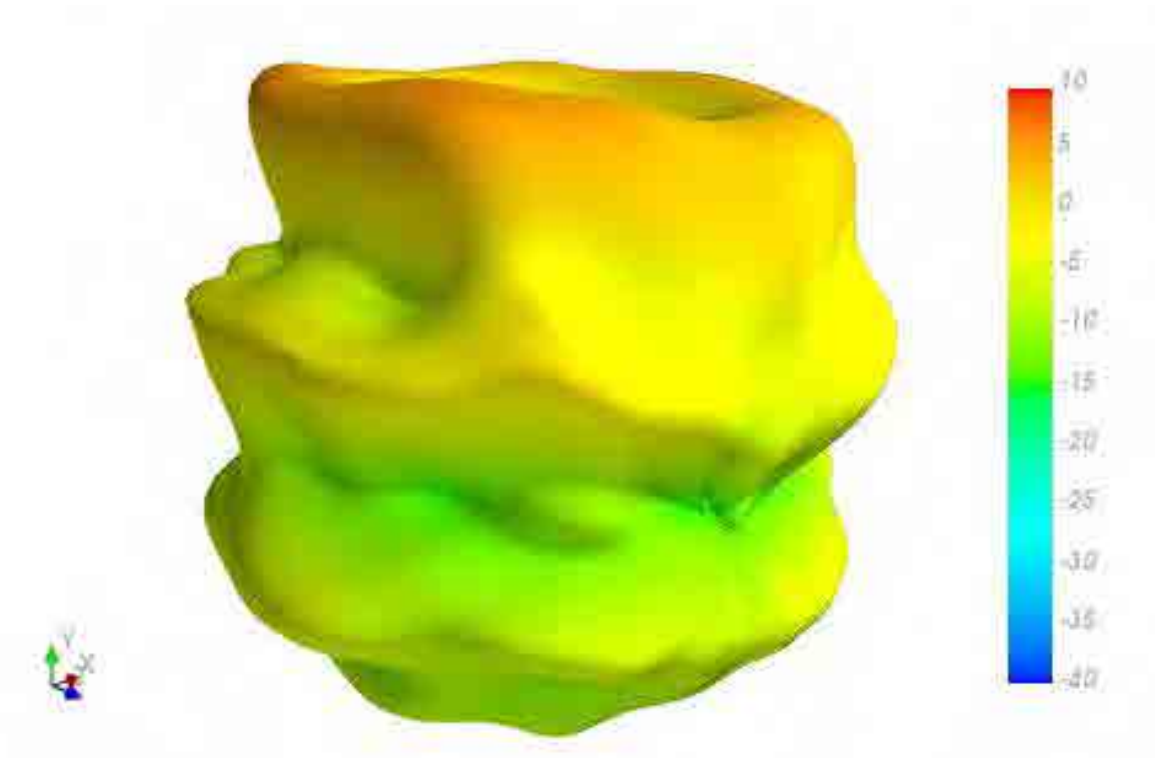




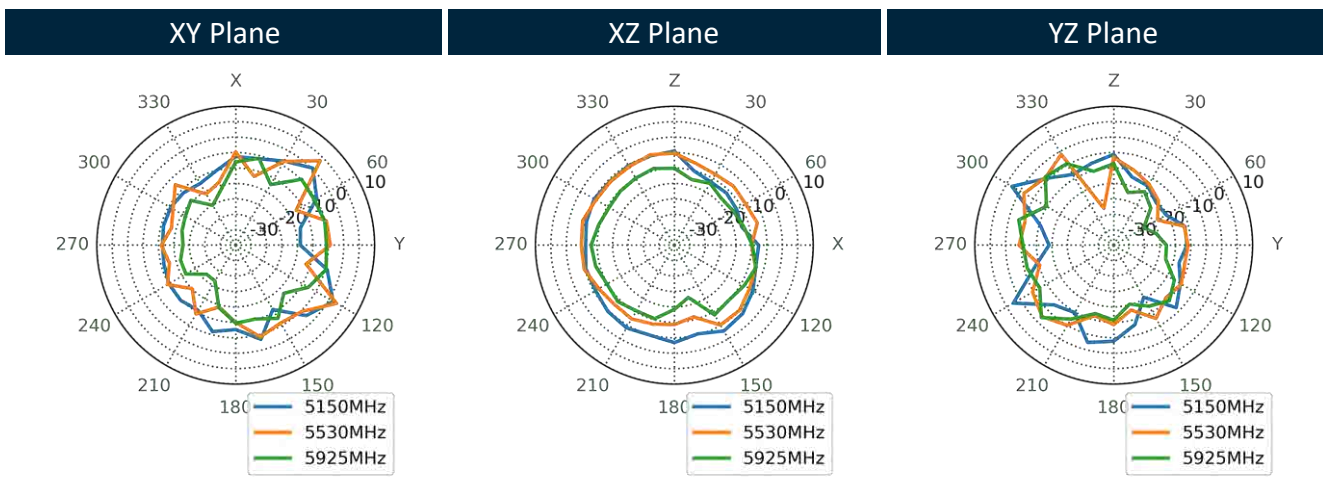
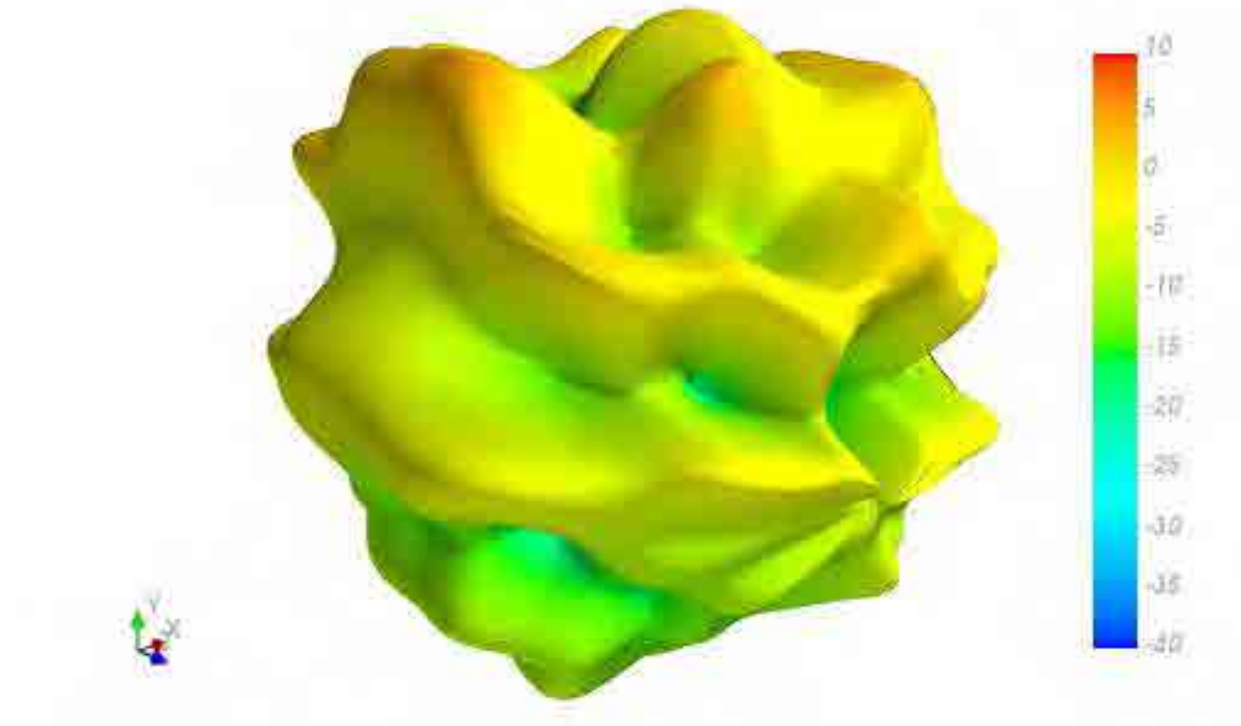
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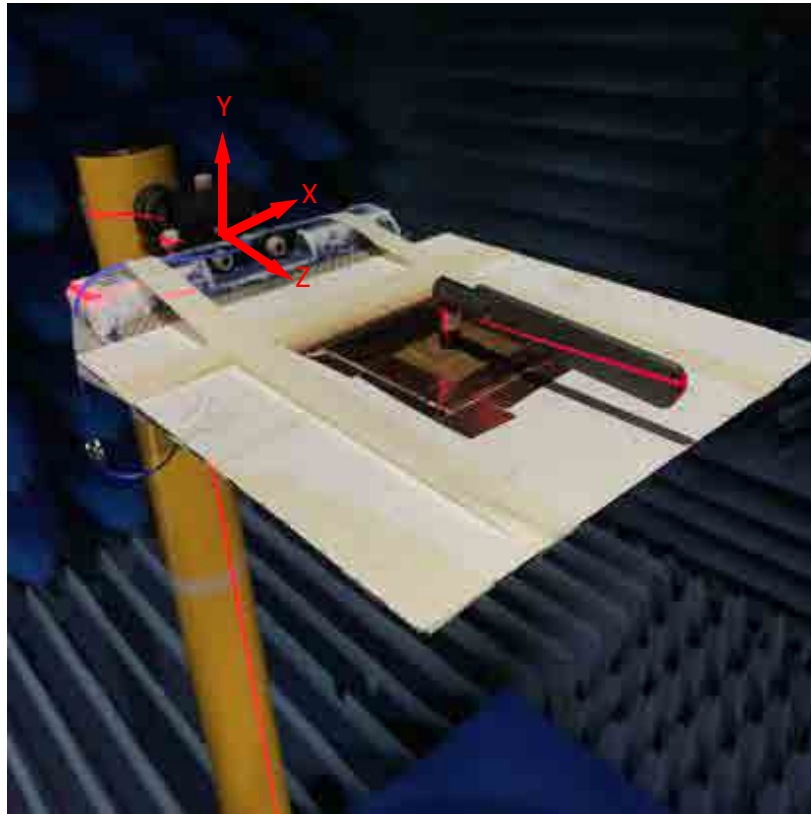
3550MHz



5530MHz



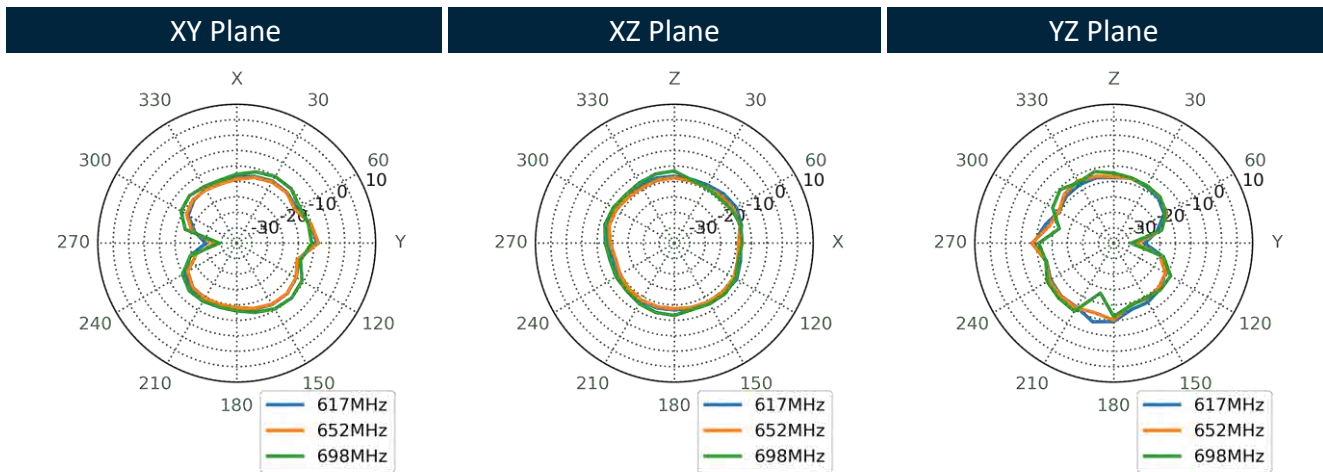
4.11 Test Setup



Bent 30x30cm Ground Plane Centre

## 4.12 Bent 30x30cm Ground Plane Centre 2D & 3D Radiation Patterns

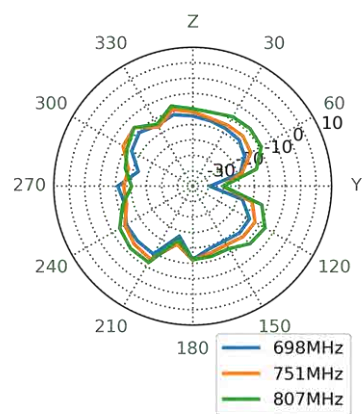
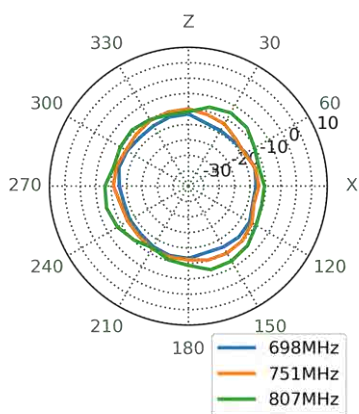
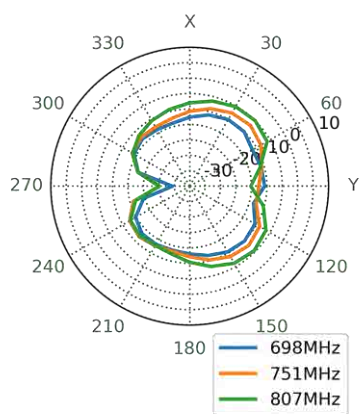
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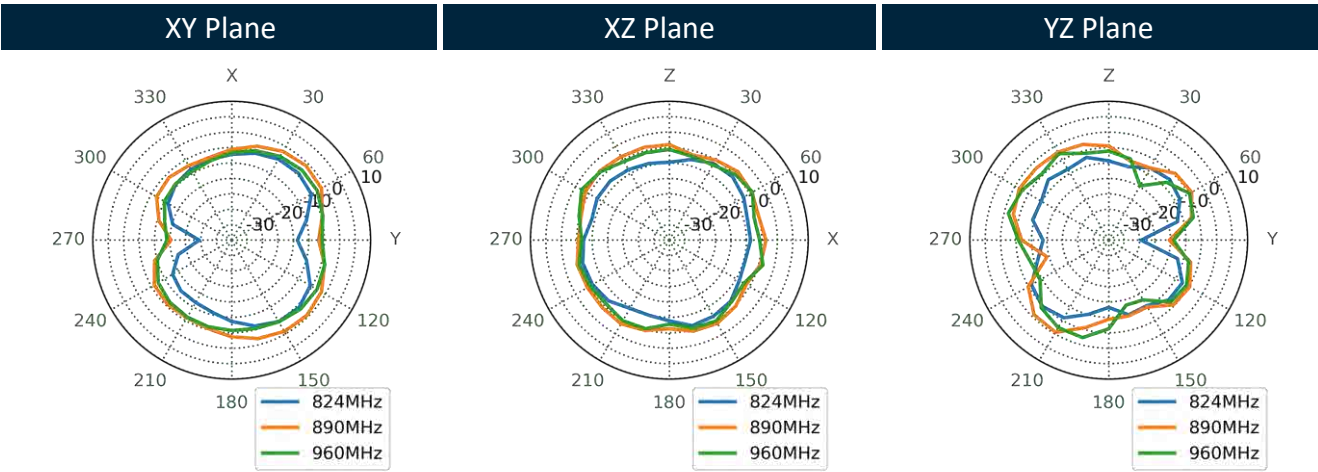
751MHz



XY Plane      XZ Plane      YZ Plane

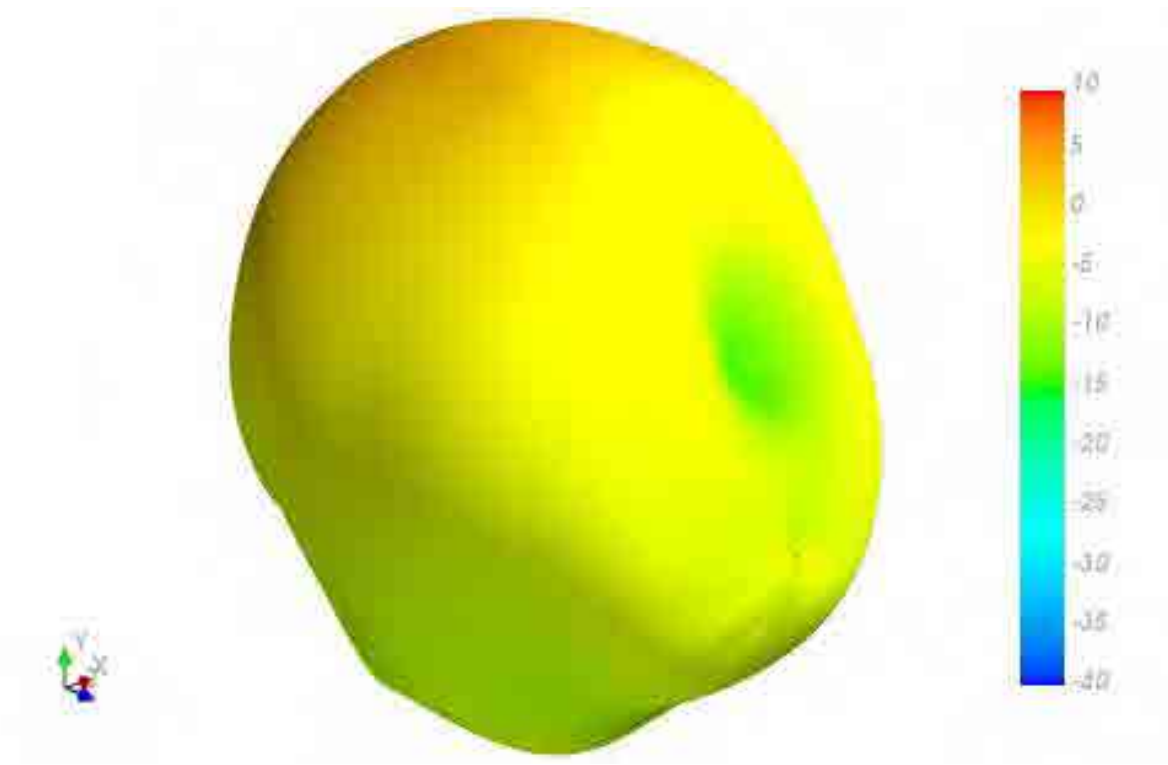


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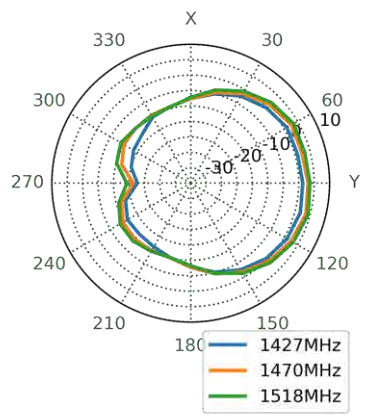




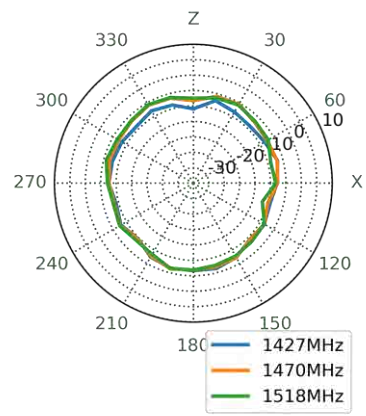
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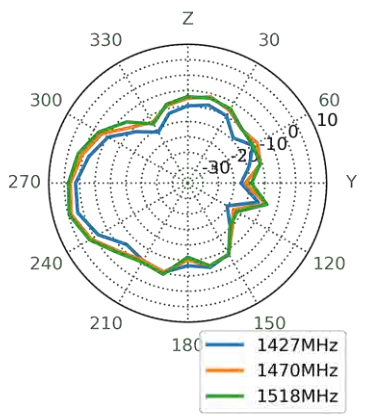
XY Plane



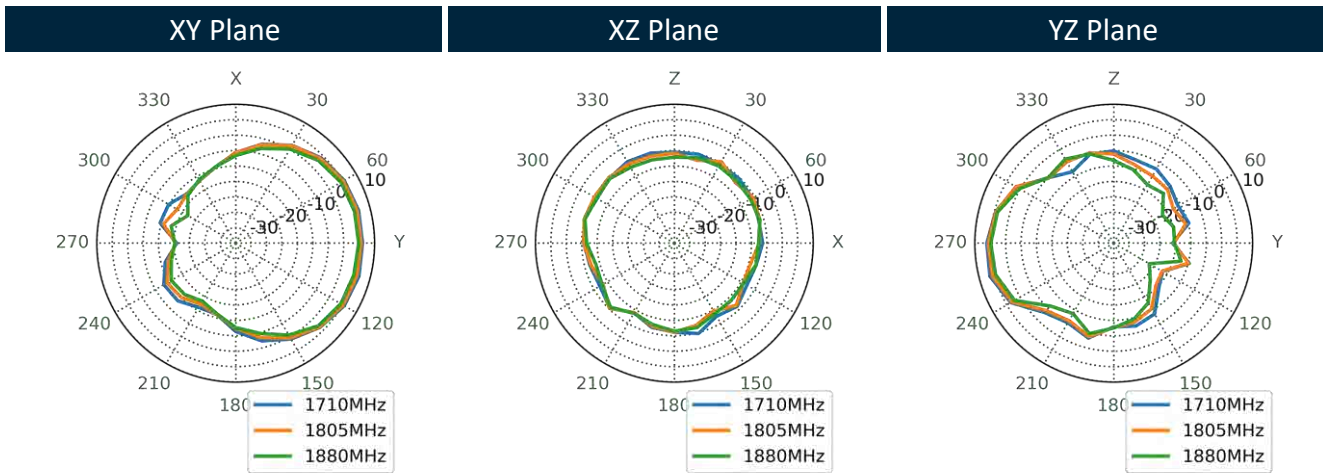
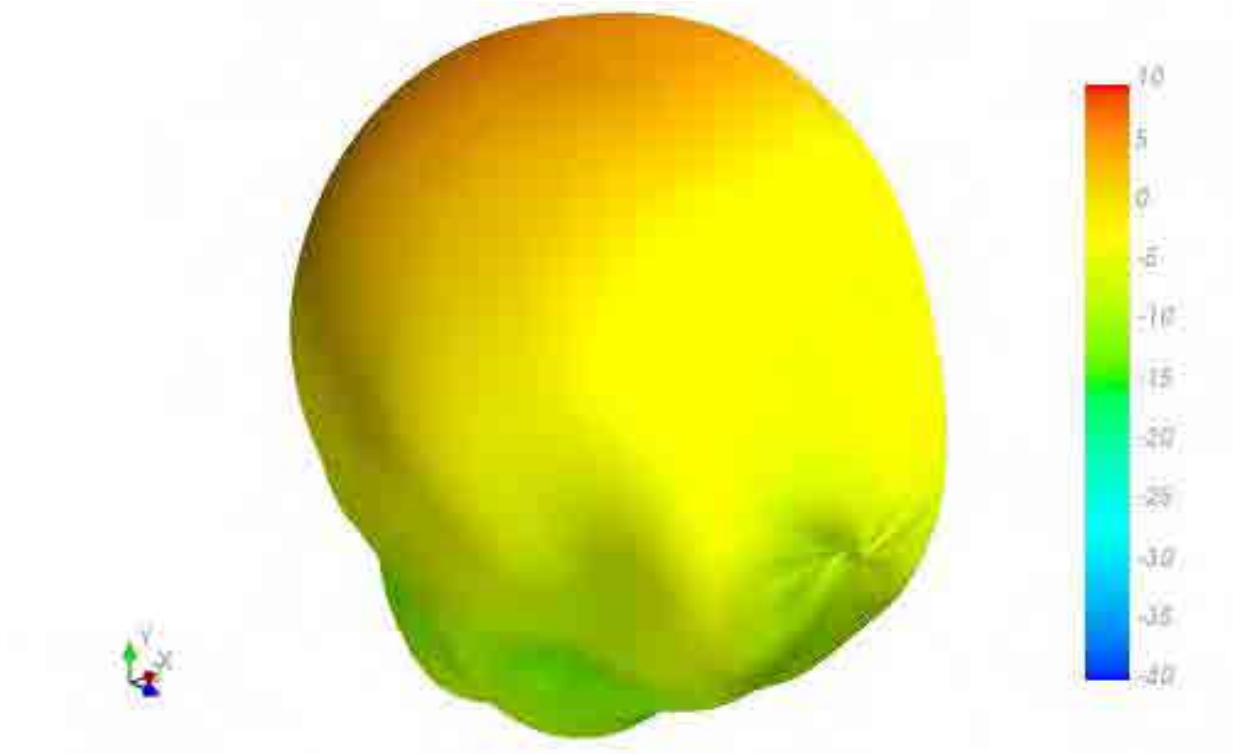
XZ Plane



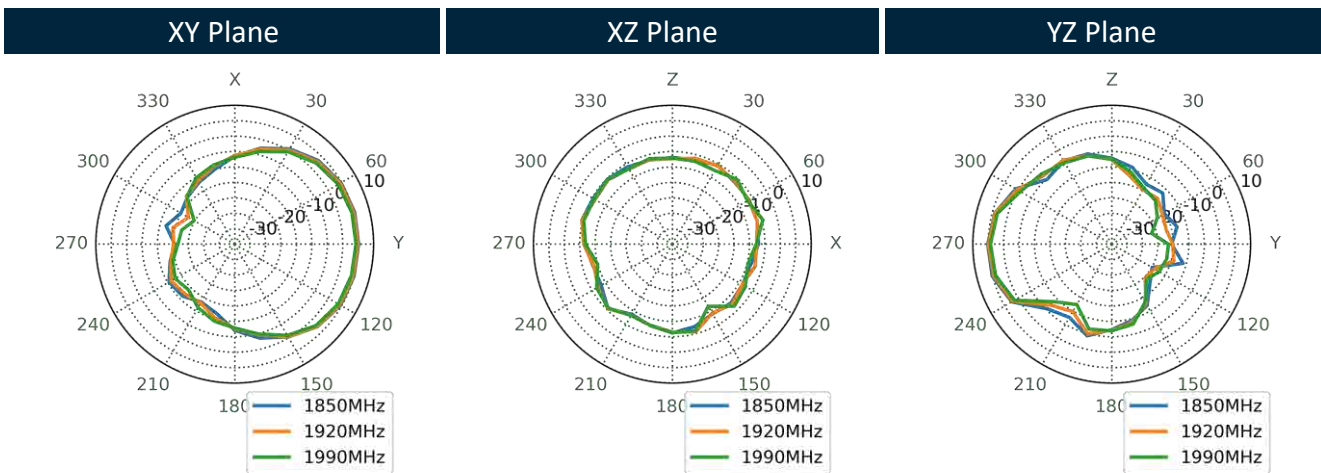
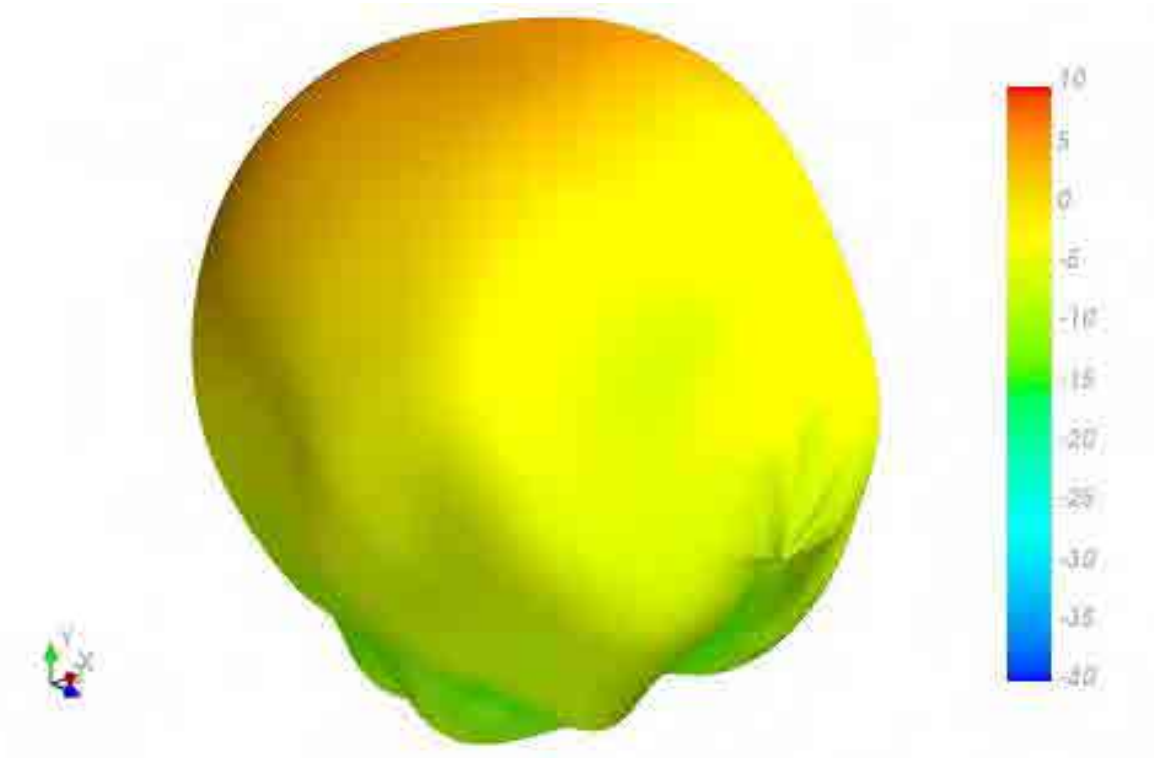
YZ Plane



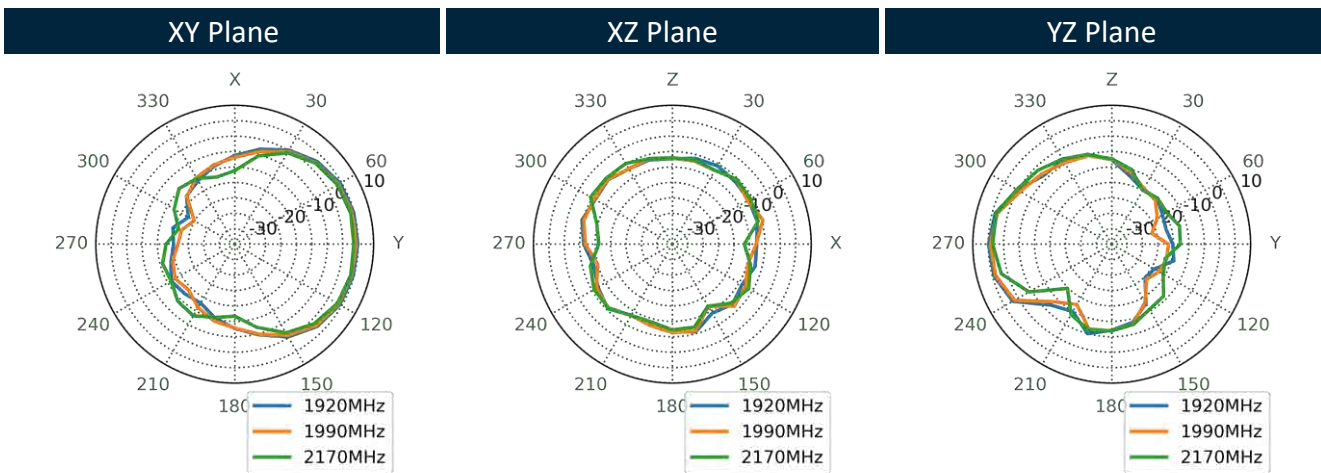
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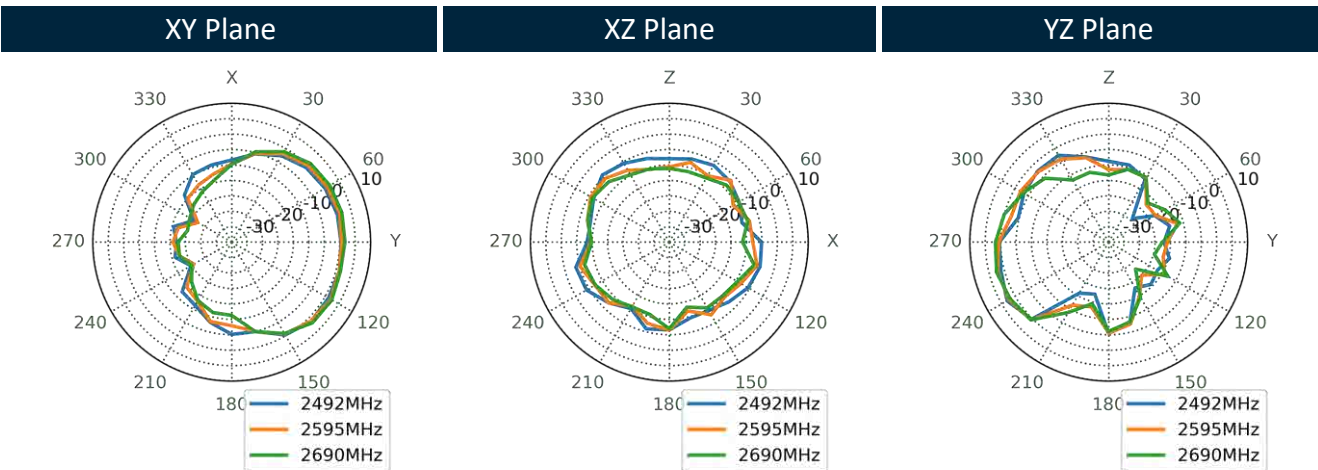
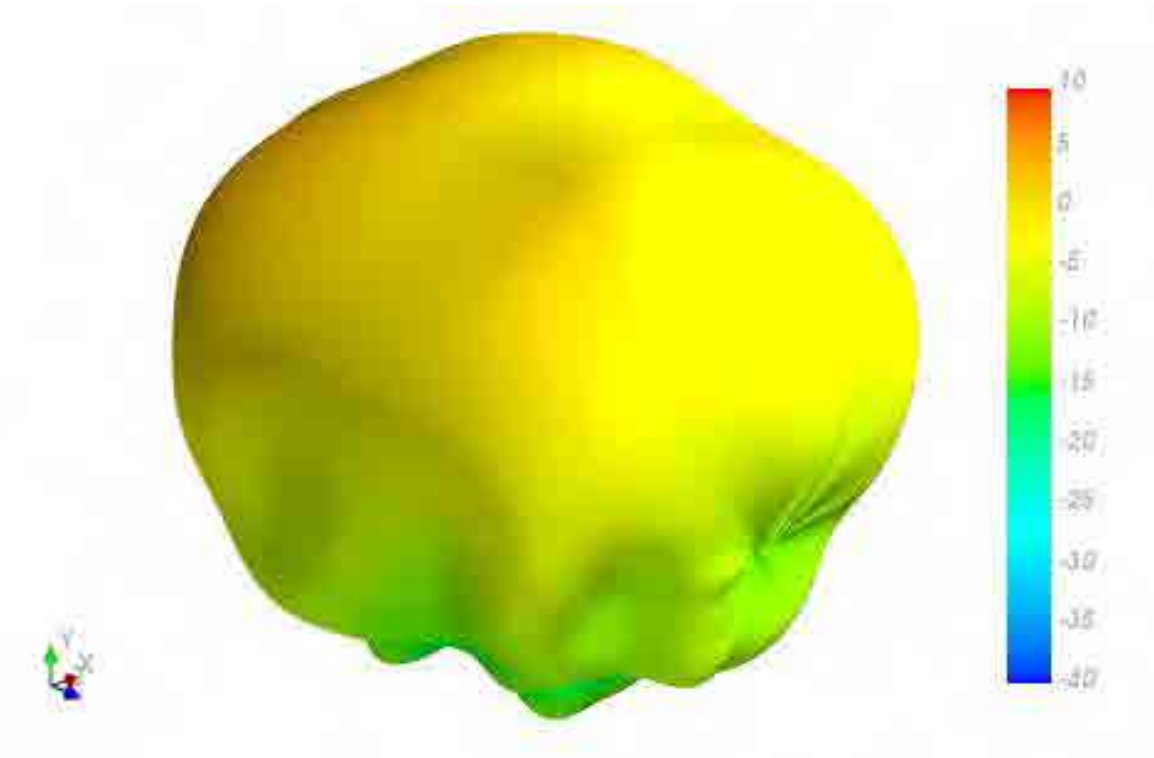
1920MHz



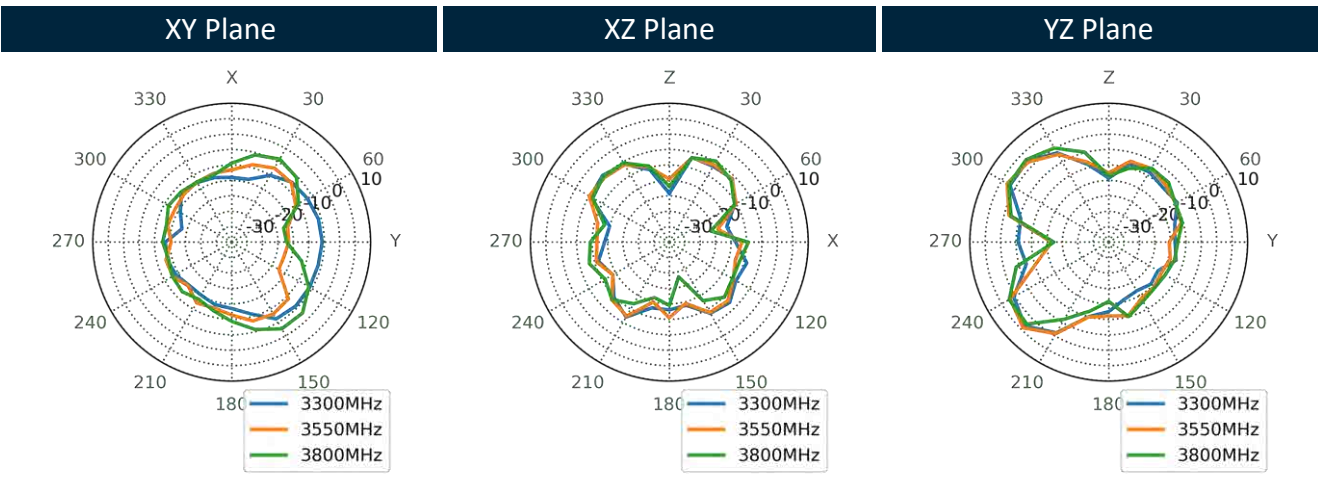
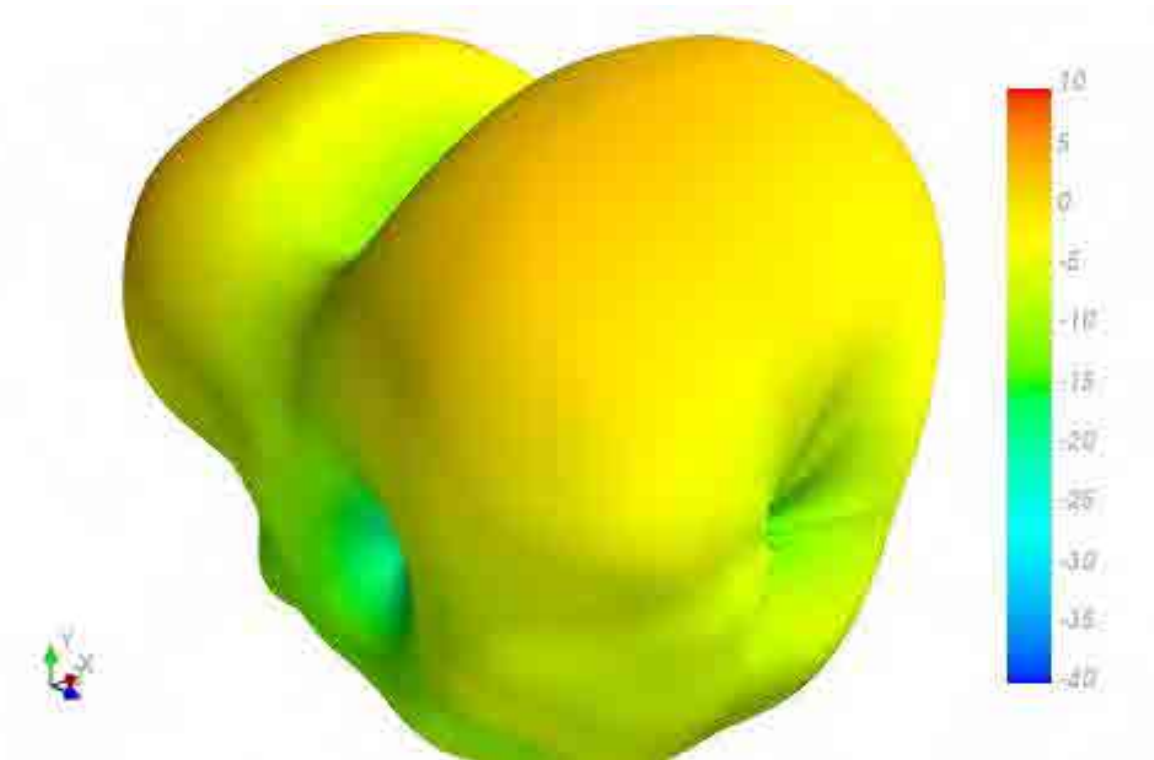
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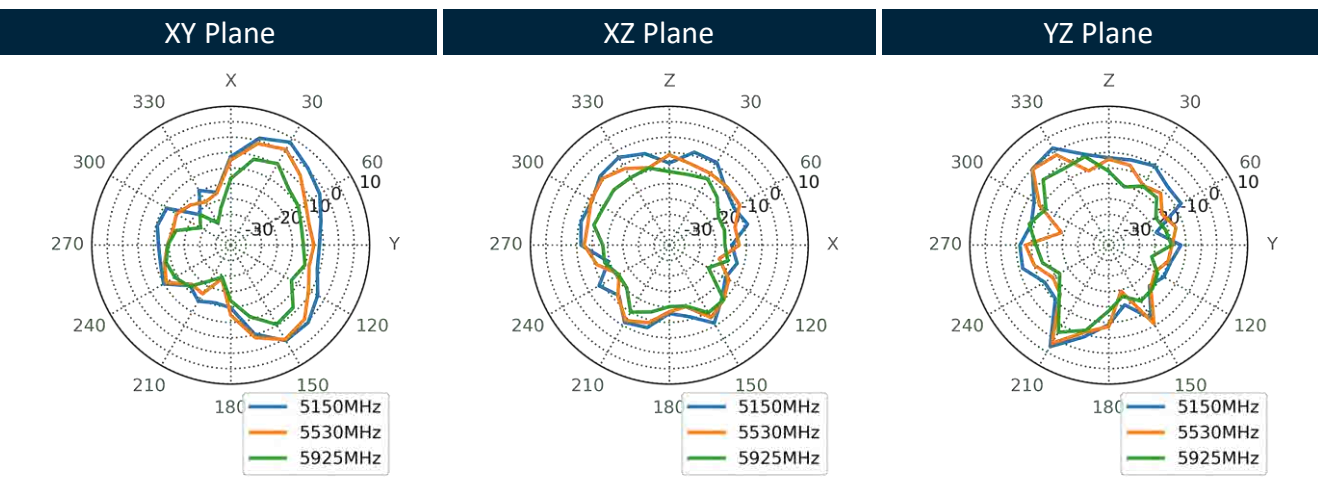
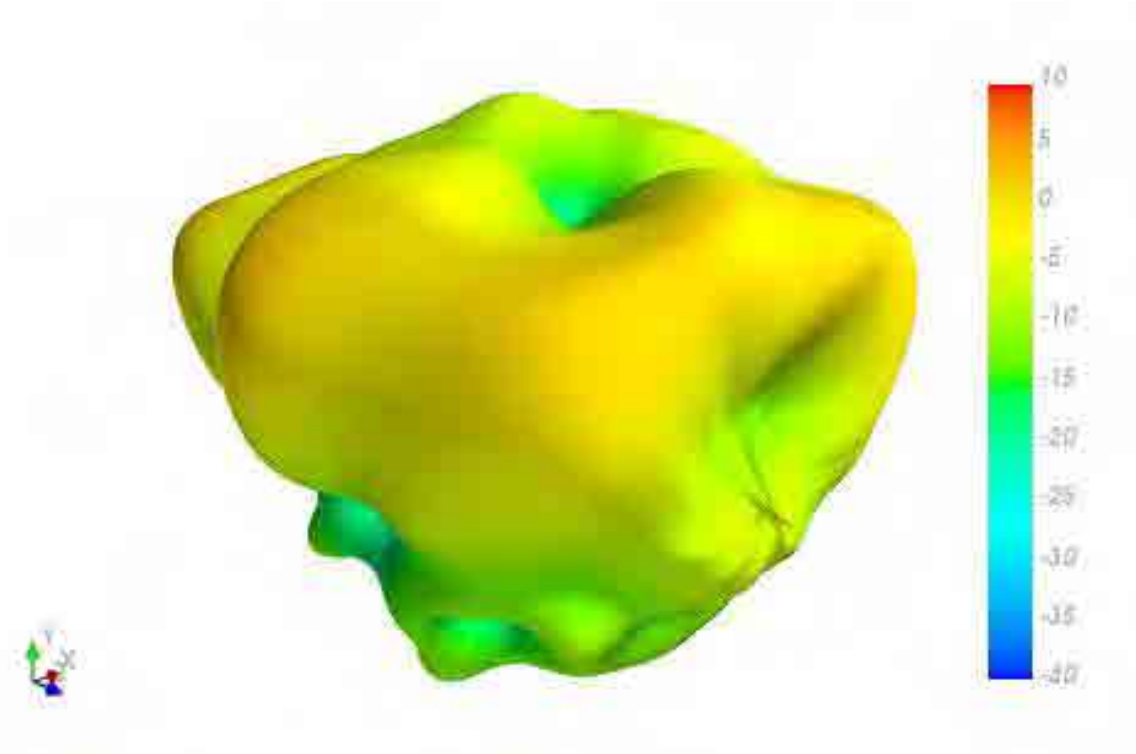
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3550MHz

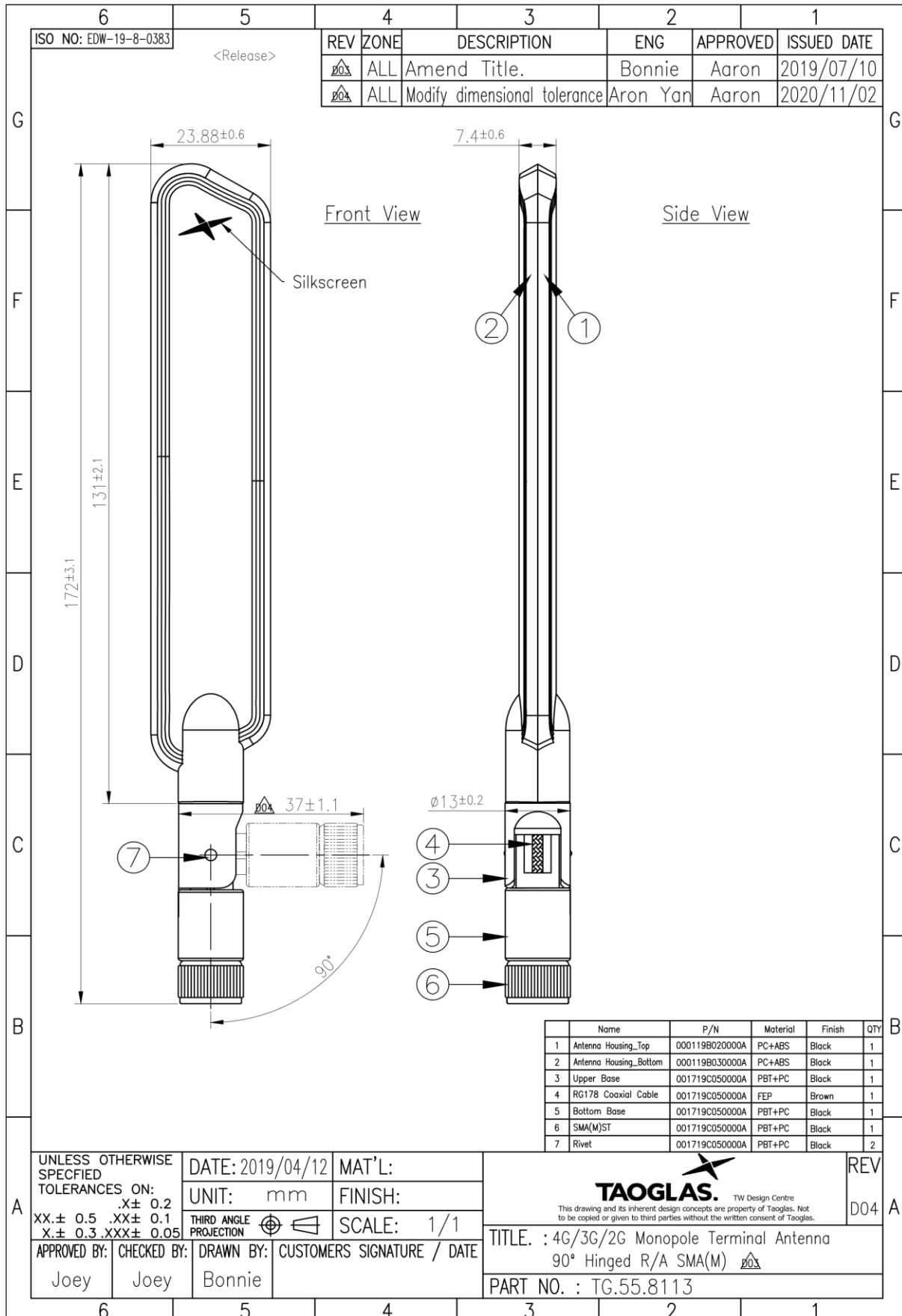


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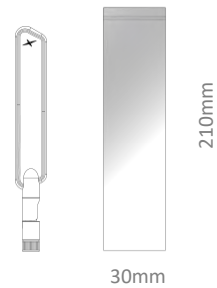


# 5. Mechanical Drawing (Units: mm)

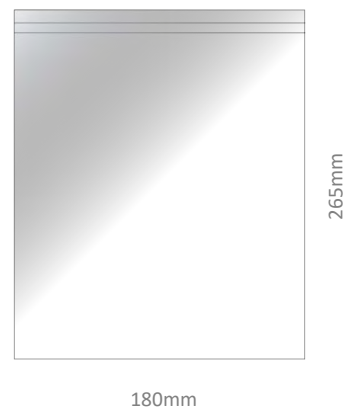


## 6. Packaging

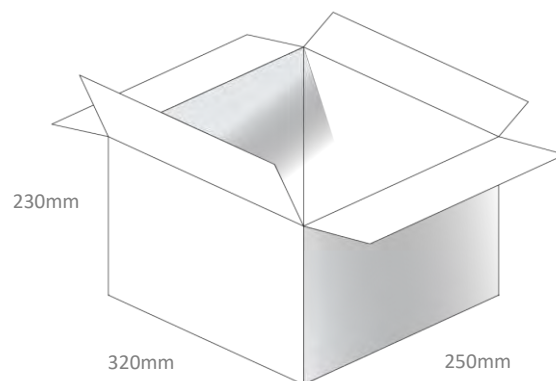
1pc TG.55.8113 per Small PE Bag  
 Dimensions: 30\*210mm  
 Weight: 31g



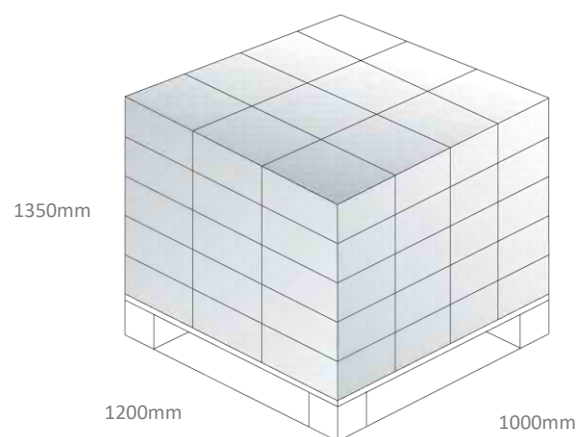
20pcs per Large PE Bag  
 Dimensions: 180\*265mm  
 Weight: 620g



400pcs TG.55.8113 per Carton  
 Carton Dimensions: 320\*250\*230mm  
 Weight: 13Kg

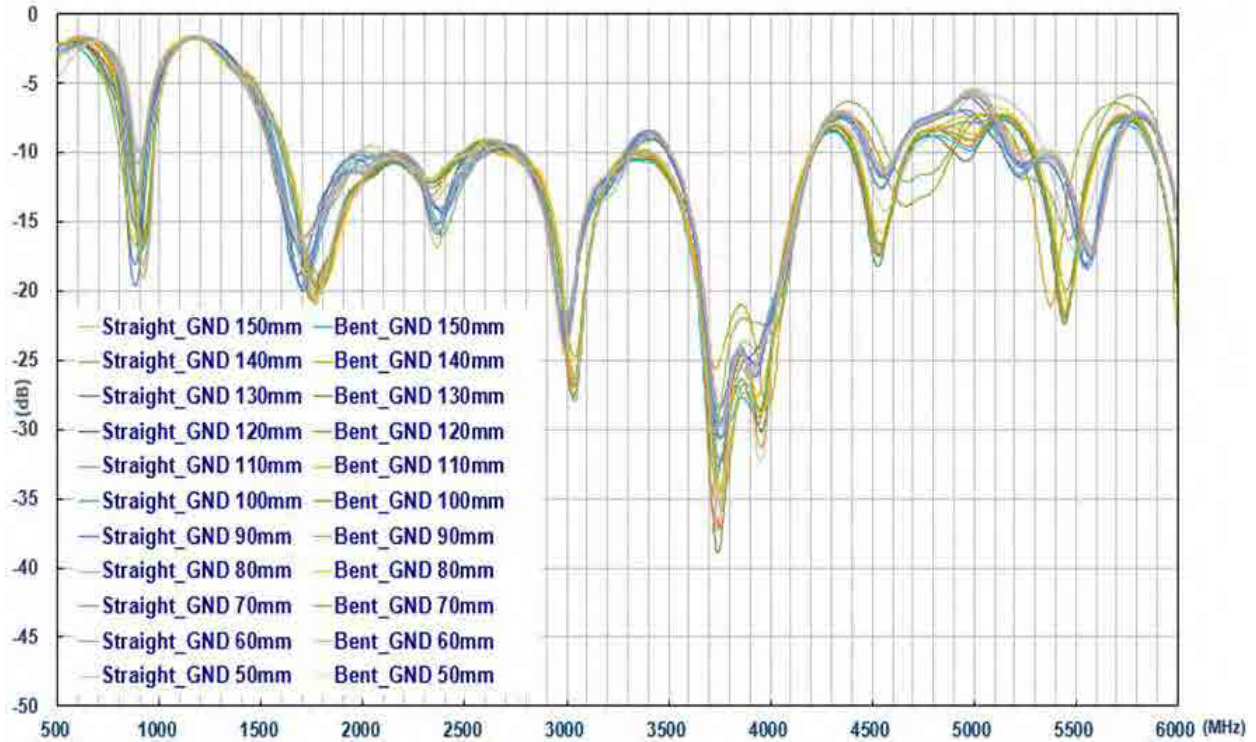


Pallet Dimensions:  
 1200\*1000\*1350mm  
 60 Cartons per Pallet  
 12 Cartons per layer, 5 Layers

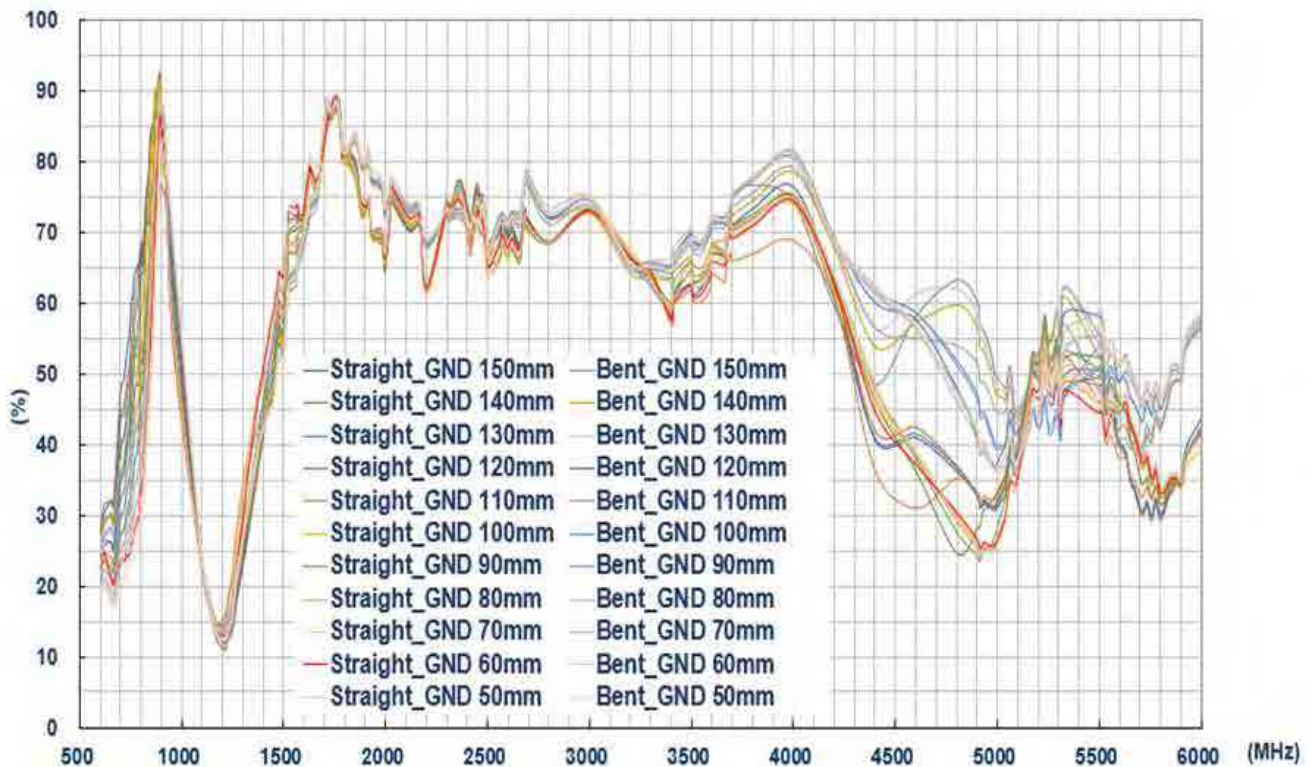


## 7. Application Note

### 3.1 Return Loss



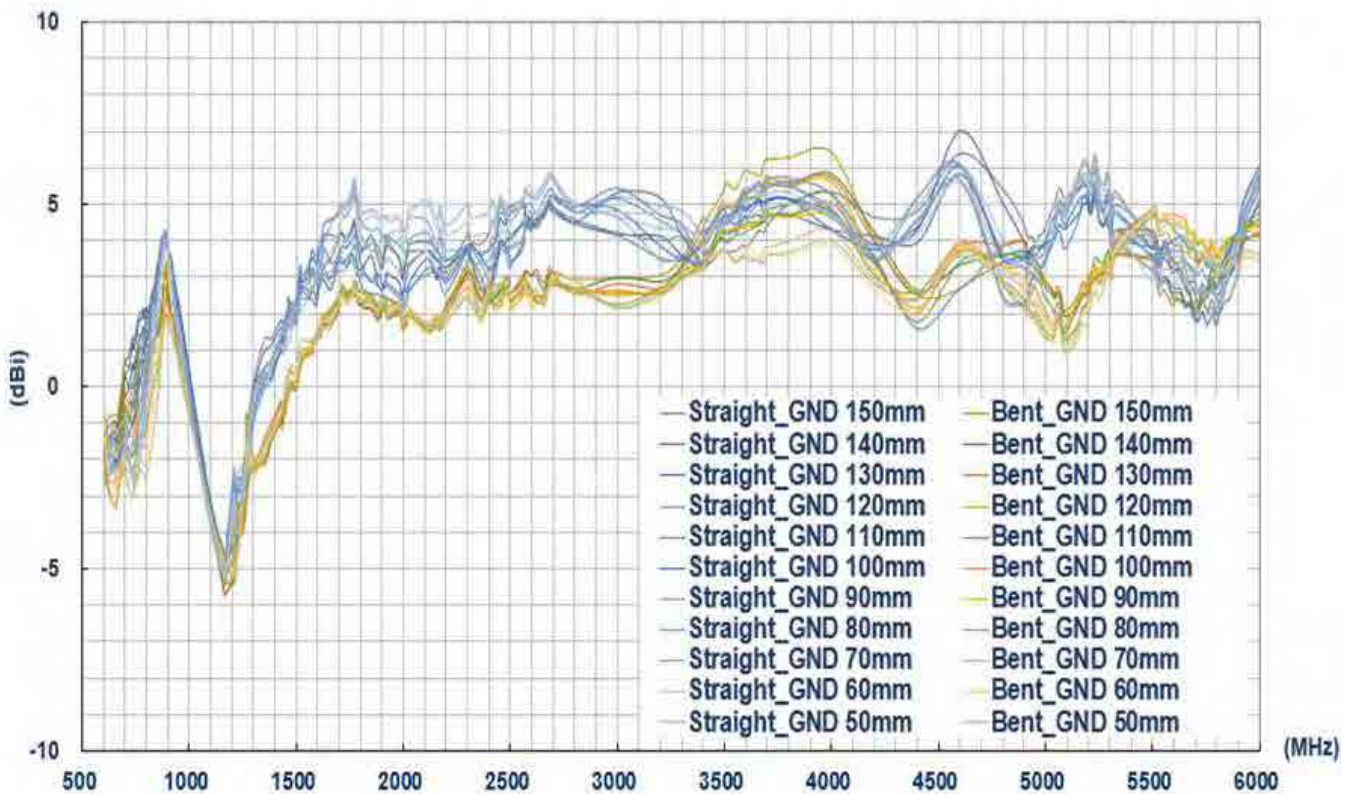
### 3.2 Efficiency



### 3.3 Average Gain



### 3.4 Peak Gain





Changelog for the datasheet

**SPE-19-8-061 – TG.55.8113**

**Revision: E (Current Version)**

Date:	2022-07-05
Changes:	Updatd drawing
Changes Made by:	Jack Conroy

**Previous Revisions**

**Revision: D**

Date:	2020-11-10
Changes:	Updated drawing
Changes Made by:	Jack Conroy

**Revision: C**

Date:	2019-10-16
Changes:	Updated data to include new ground planes
Changes Made by:	Jack Conroy

**Revision: B**

Date:	2019-08-29
Changes:	Updated description
Changes Made by:	David Connolly

**Revision: A (Initial Launch)**

Date:	2019-05-22
Changes:	Initial Specification Release
Changes Made by:	Jack Conroy



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