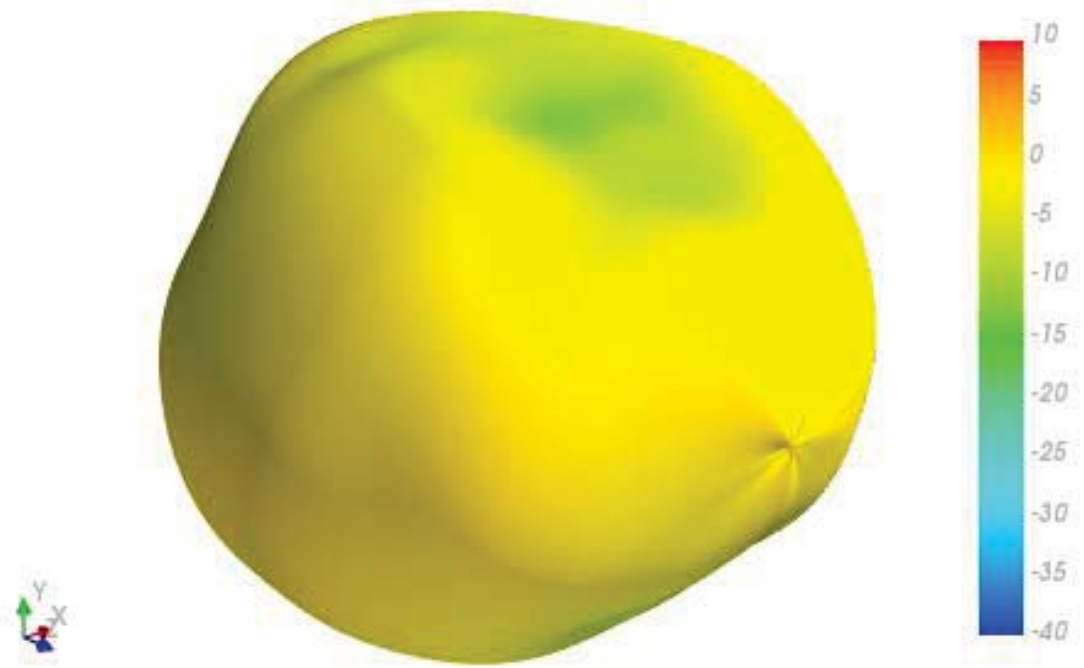
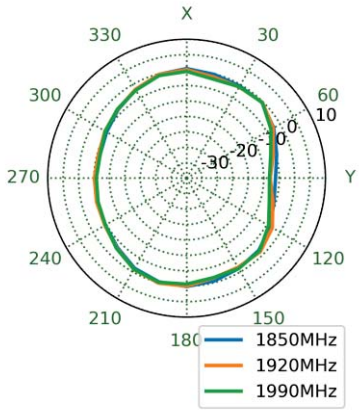
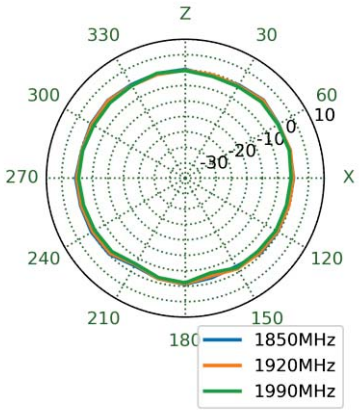
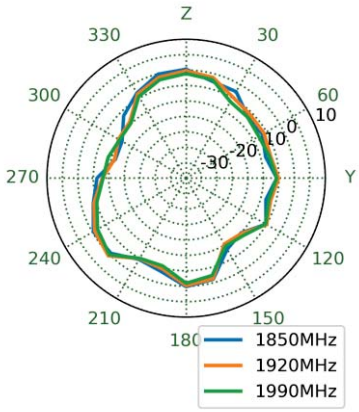
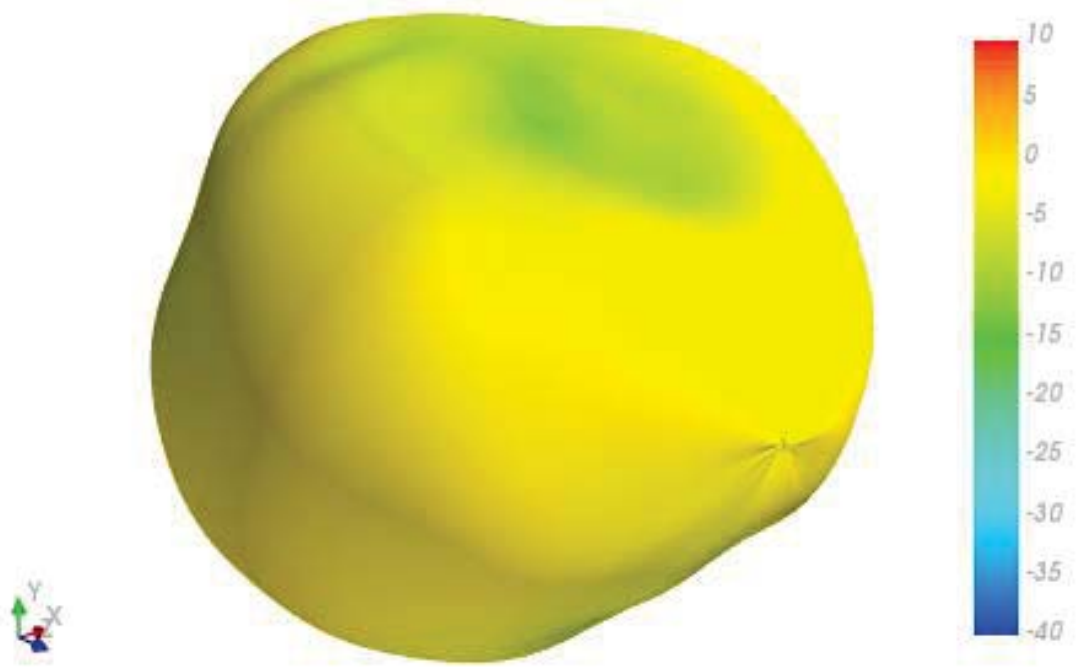
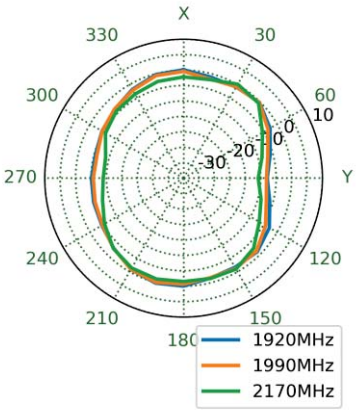
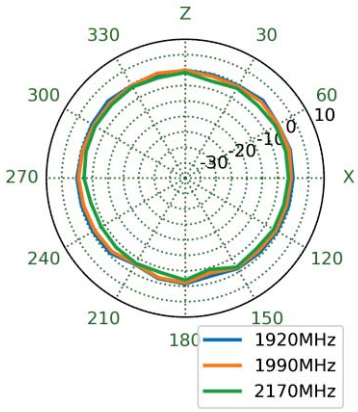
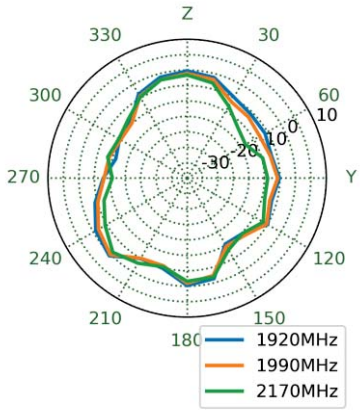
1920MHz



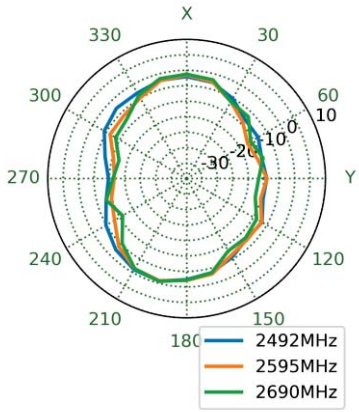
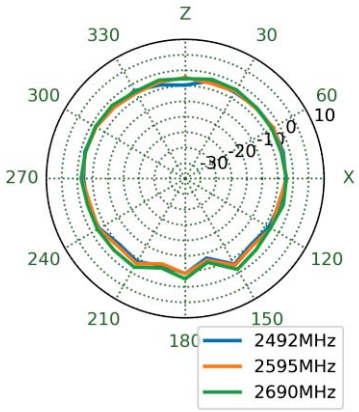
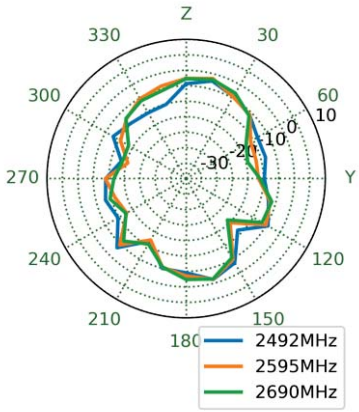
XY Plane	XZ Plane	YZ Plane
		

1990MHz

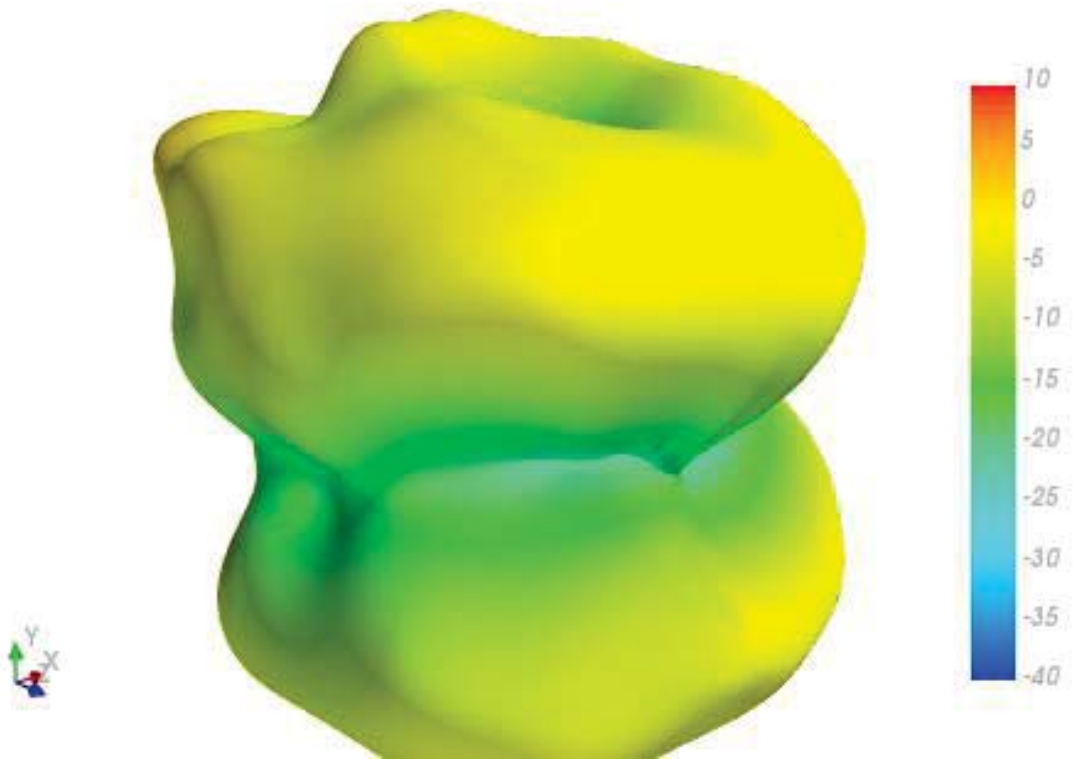


XY Plane	XZ Plane	YZ Plane
		

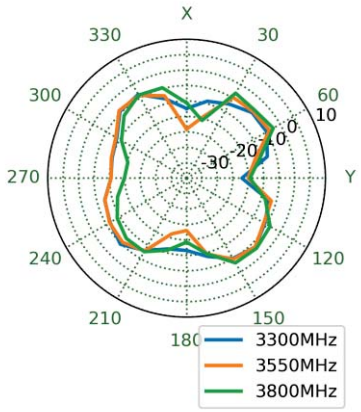
2595MHz

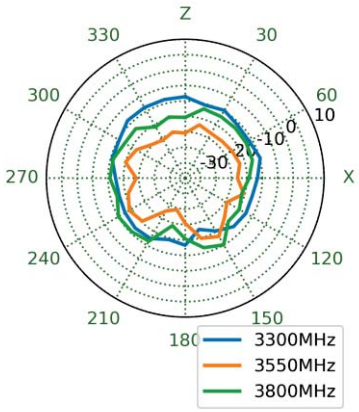
XY Plane	XZ Plane	YZ Plane
		

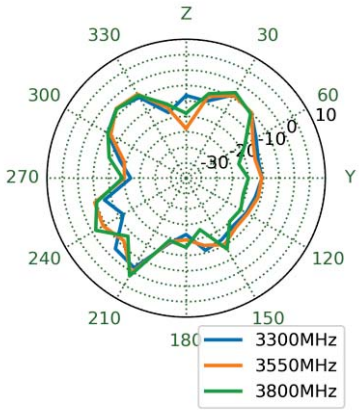
3550MHz



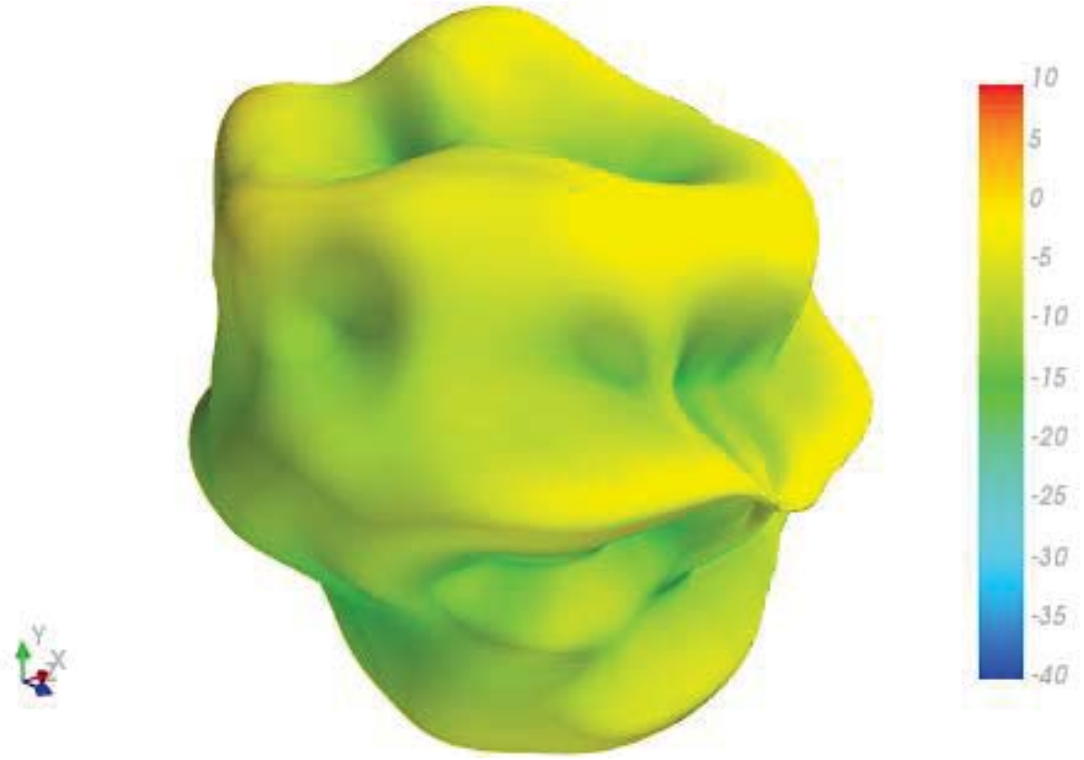
XY Plane	XZ Plane	YZ Plane



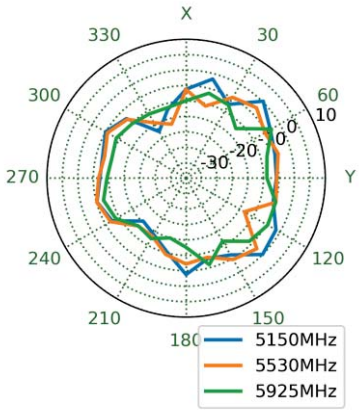


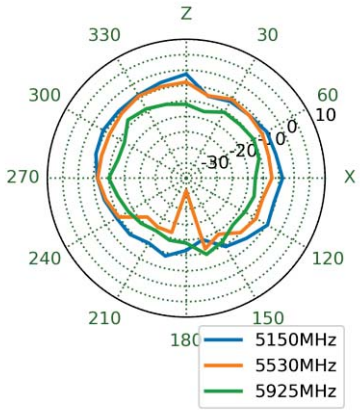


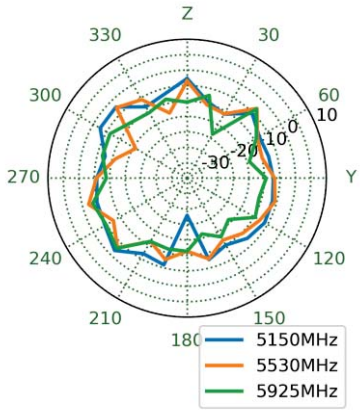
5530MHz



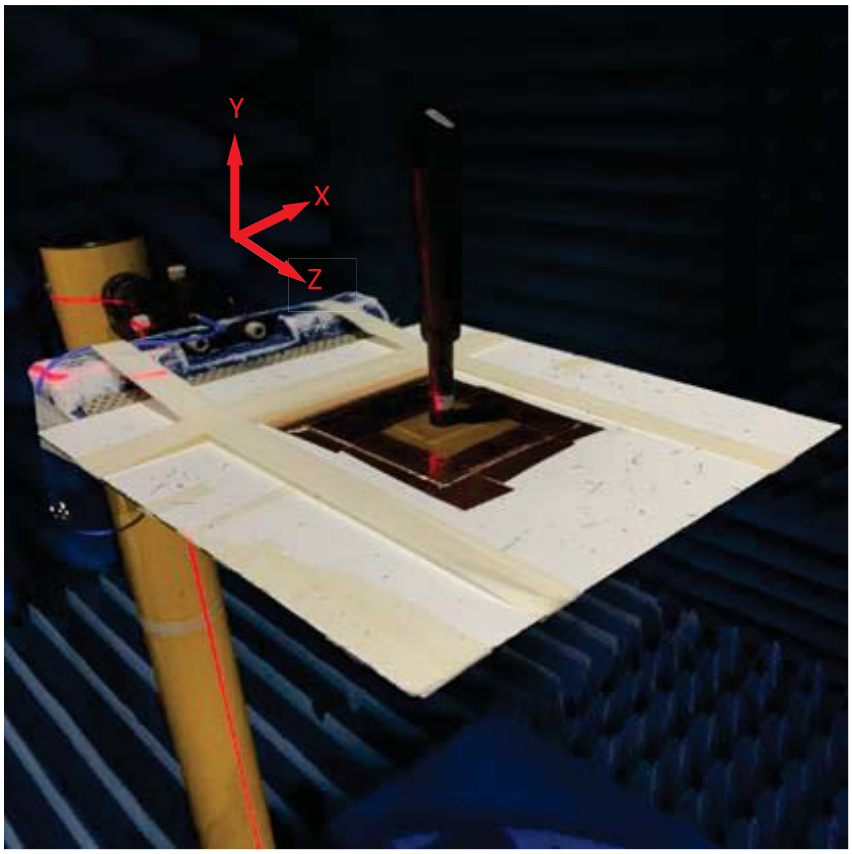
XY Plane	XZ Plane	YZ Plane







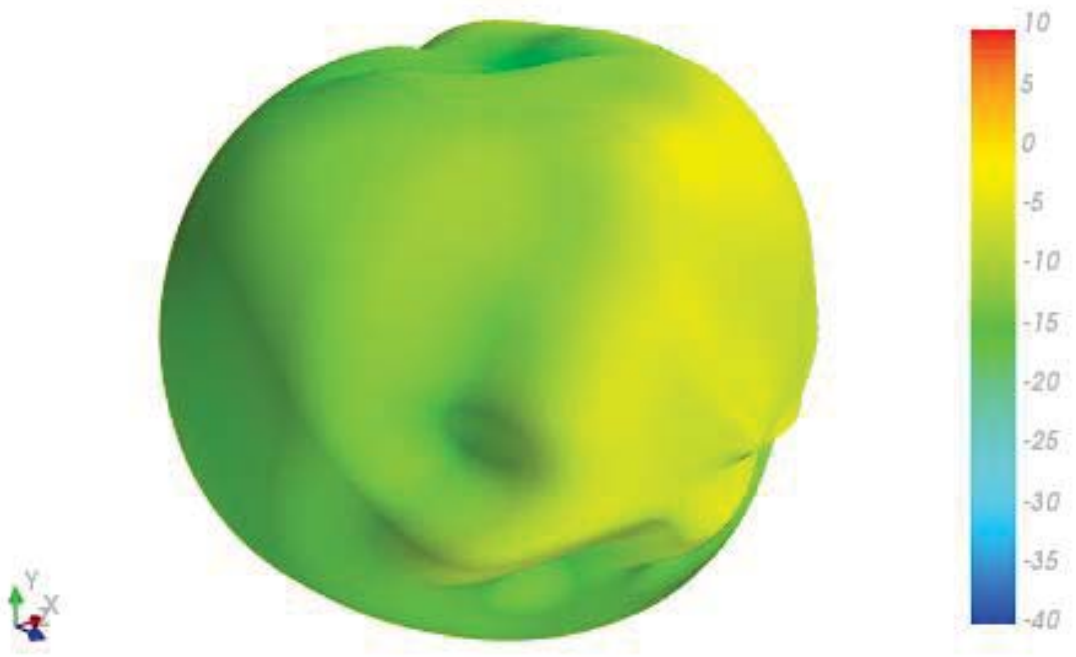
4.9 Test Setup

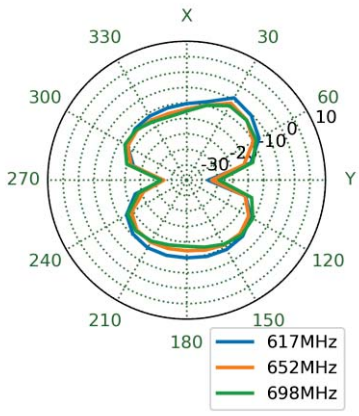
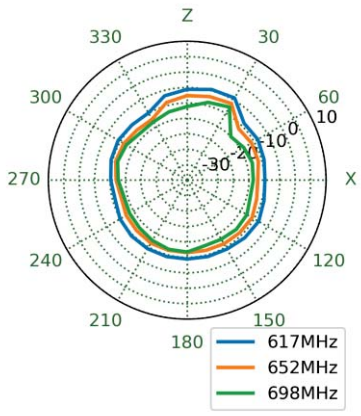
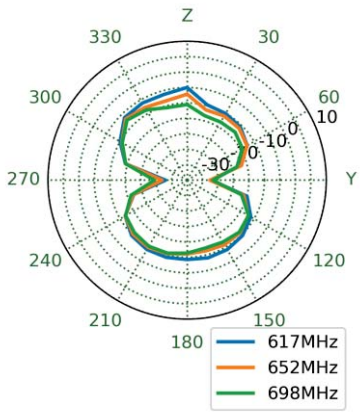


Straight 30x30cm Ground Plane Centre

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

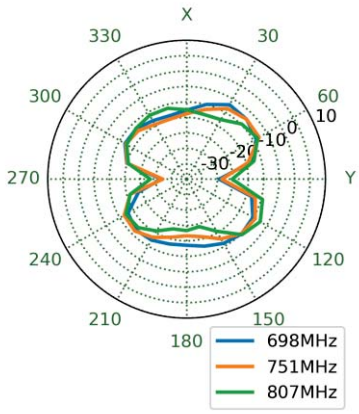
652MHz

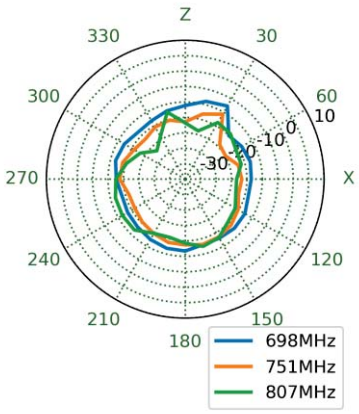


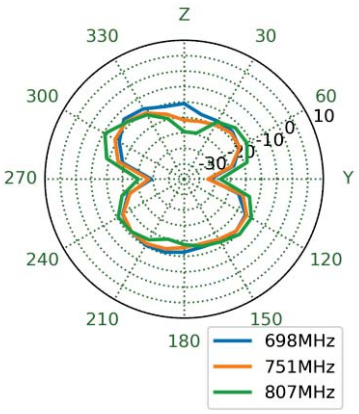
XY Plane	XZ Plane	YZ Plane
		

751MHz

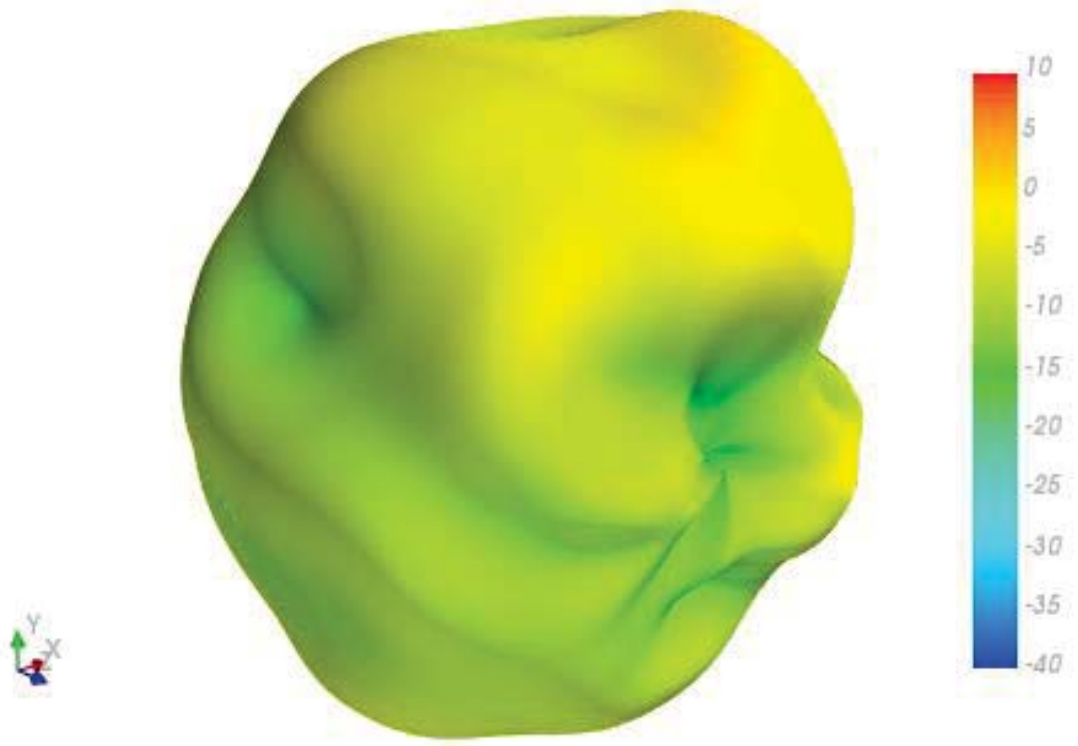
XY Plane	XZ Plane	YZ Plane



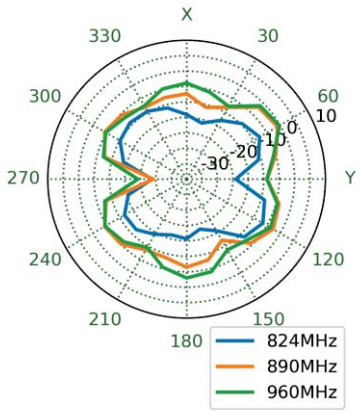


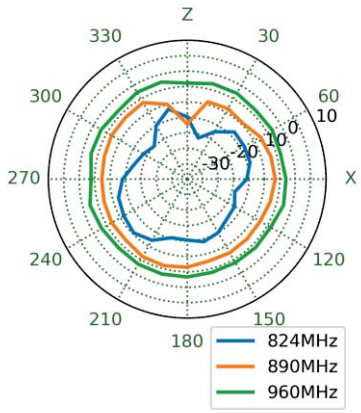


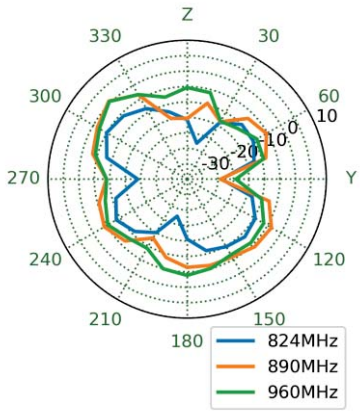
890MHz



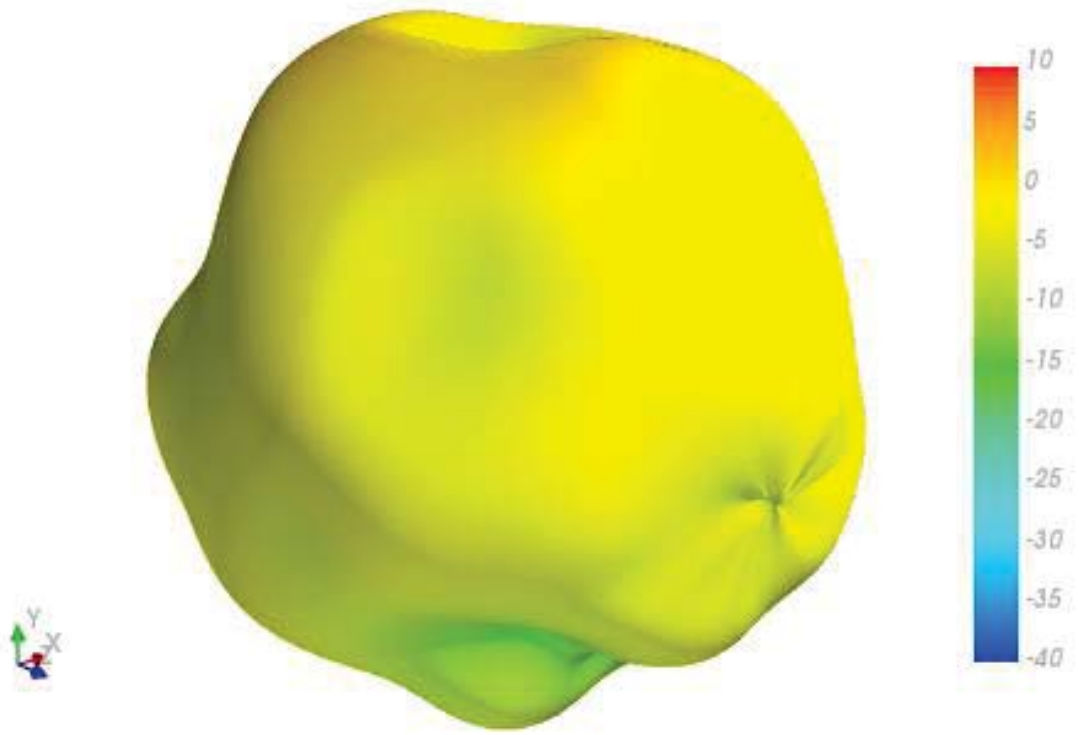
XY Plane	XZ Plane	YZ Plane

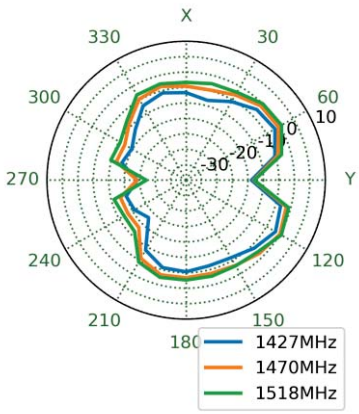
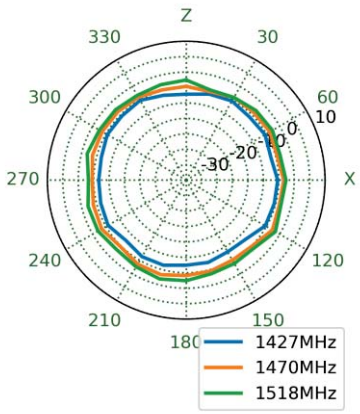
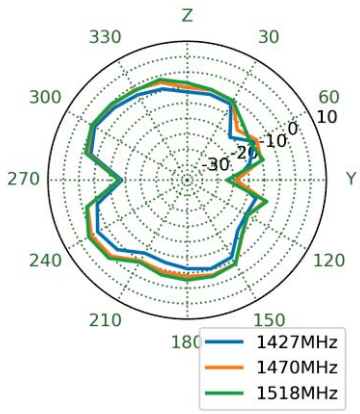




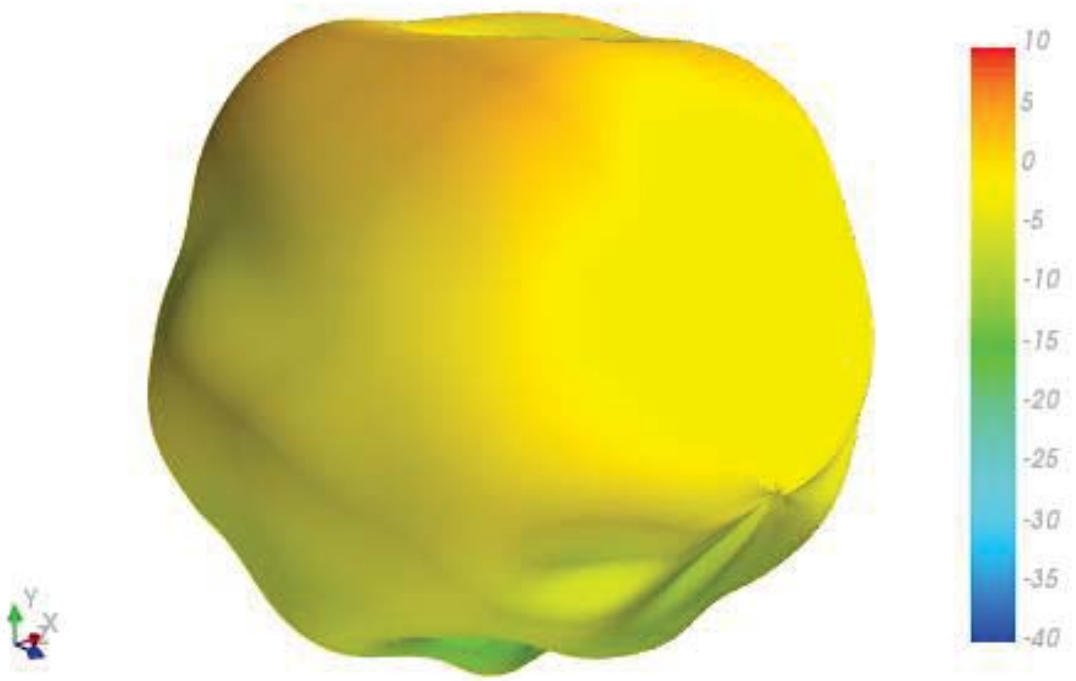


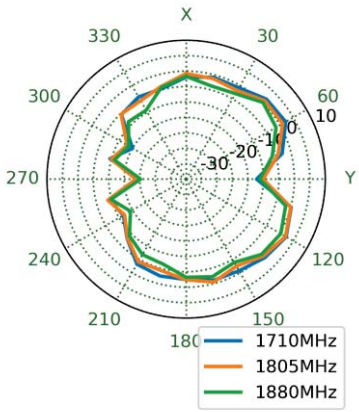
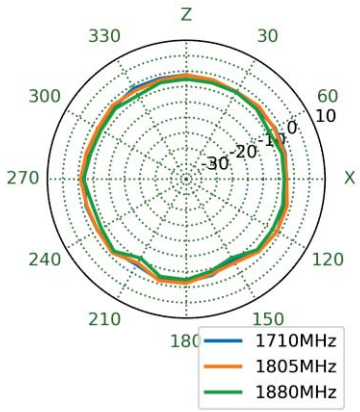
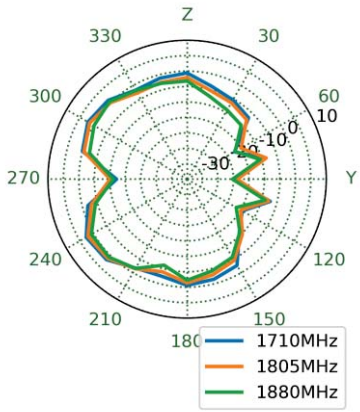
1470MHz



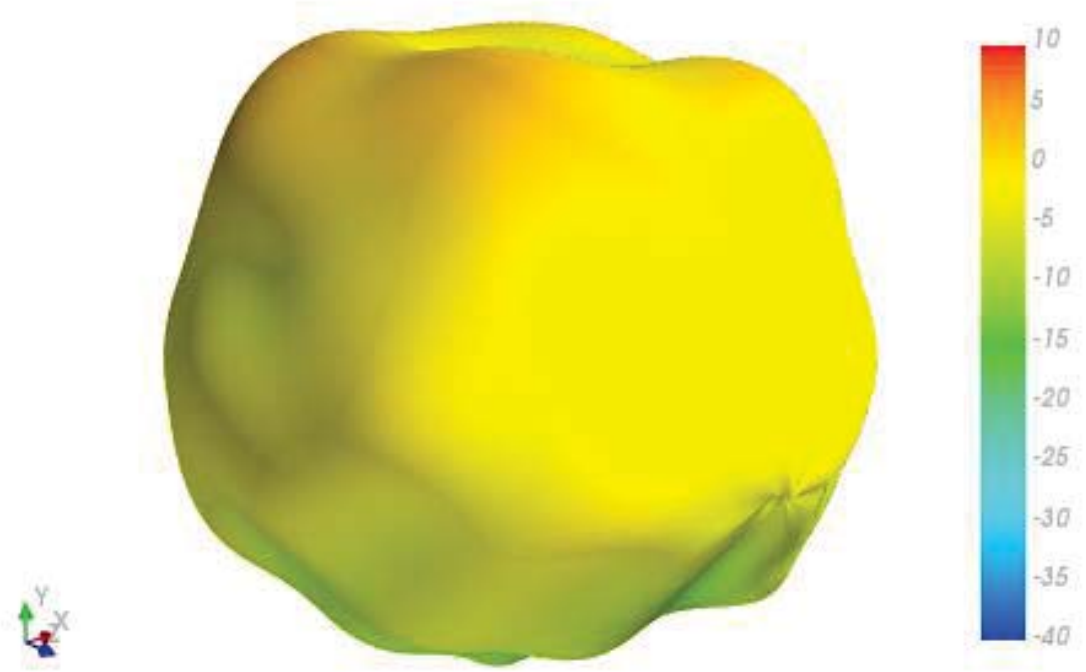
XY Plane	XZ Plane	YZ Plane
		

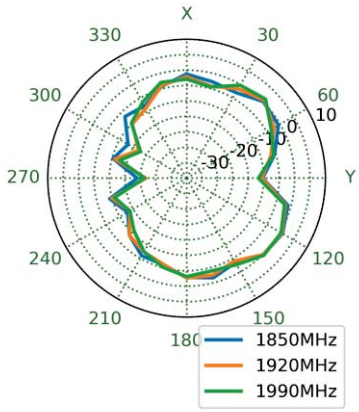
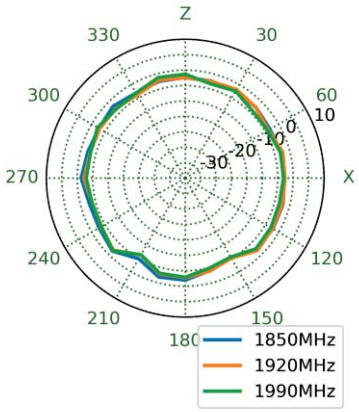
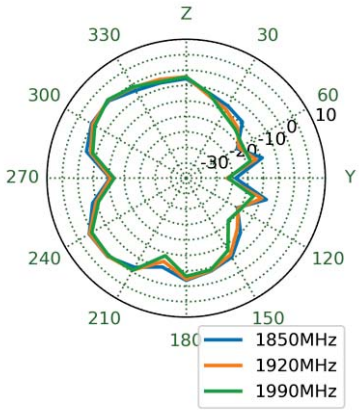
1805MHz



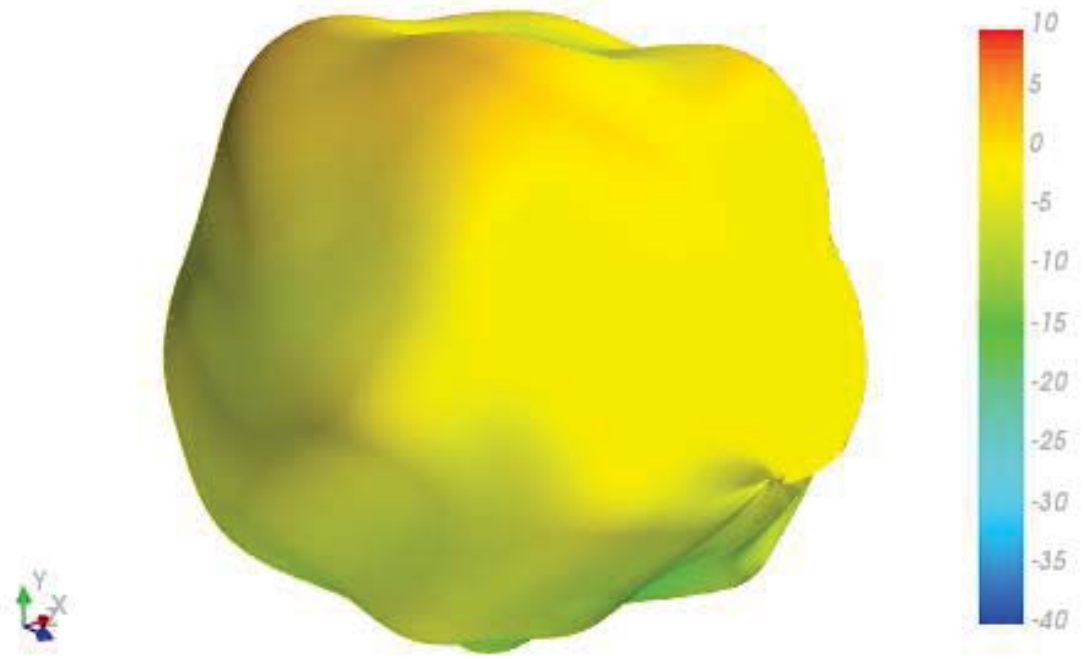
XY Plane	XZ Plane	YZ Plane
		

1920MHz

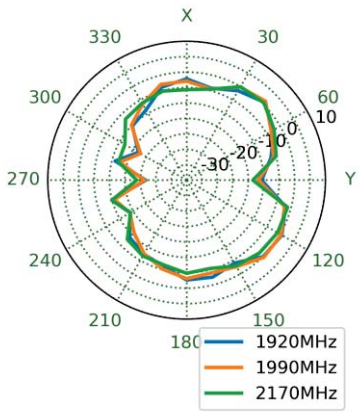


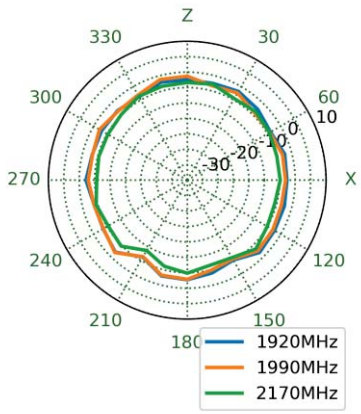
XY Plane	XZ Plane	YZ Plane
		

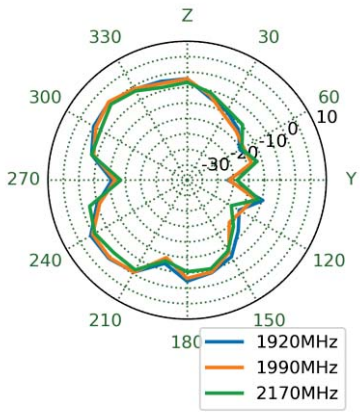
1990MHz



XY Plane	XZ Plane	YZ Plane







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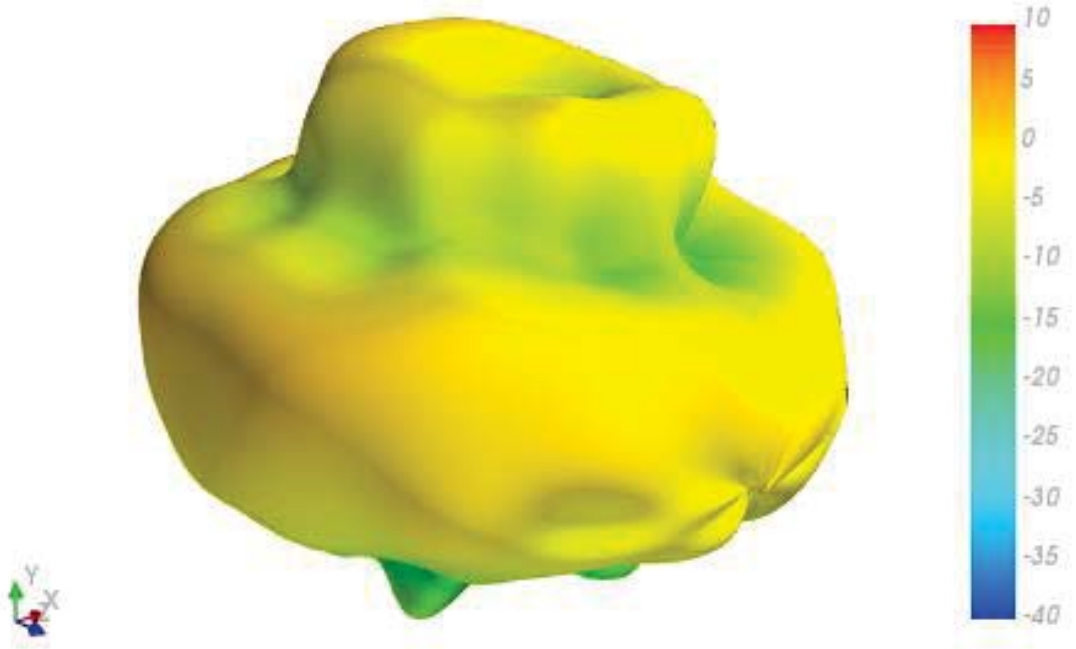
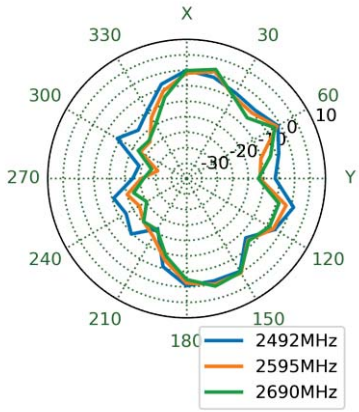
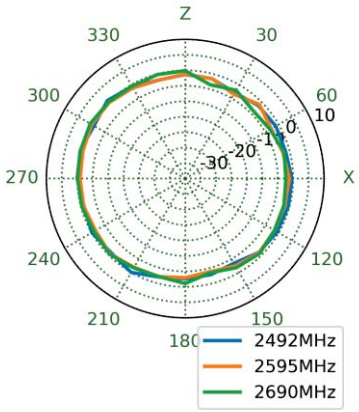
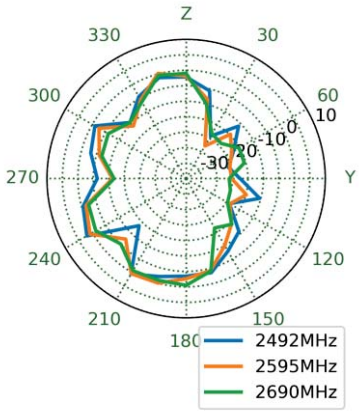
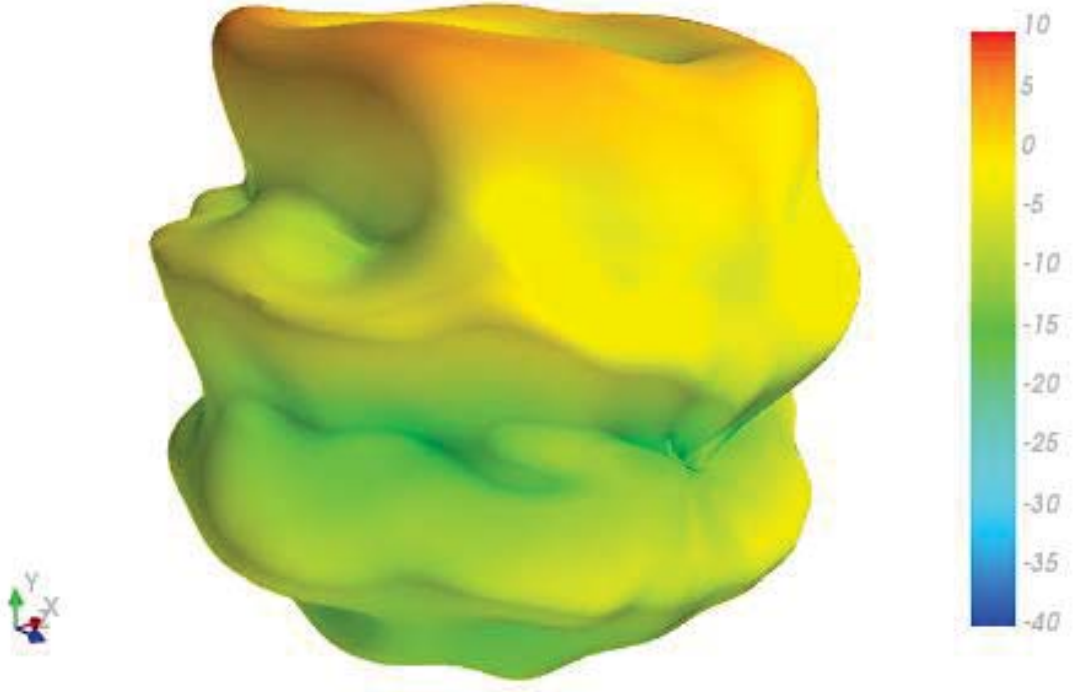
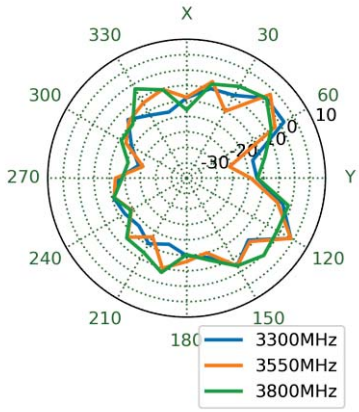
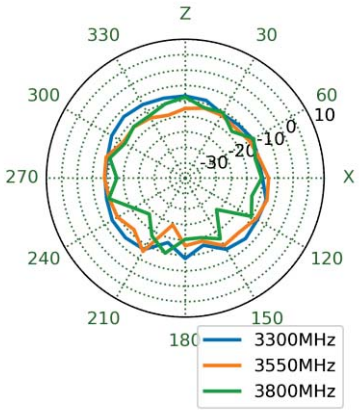
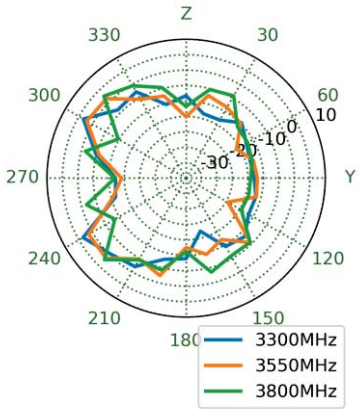


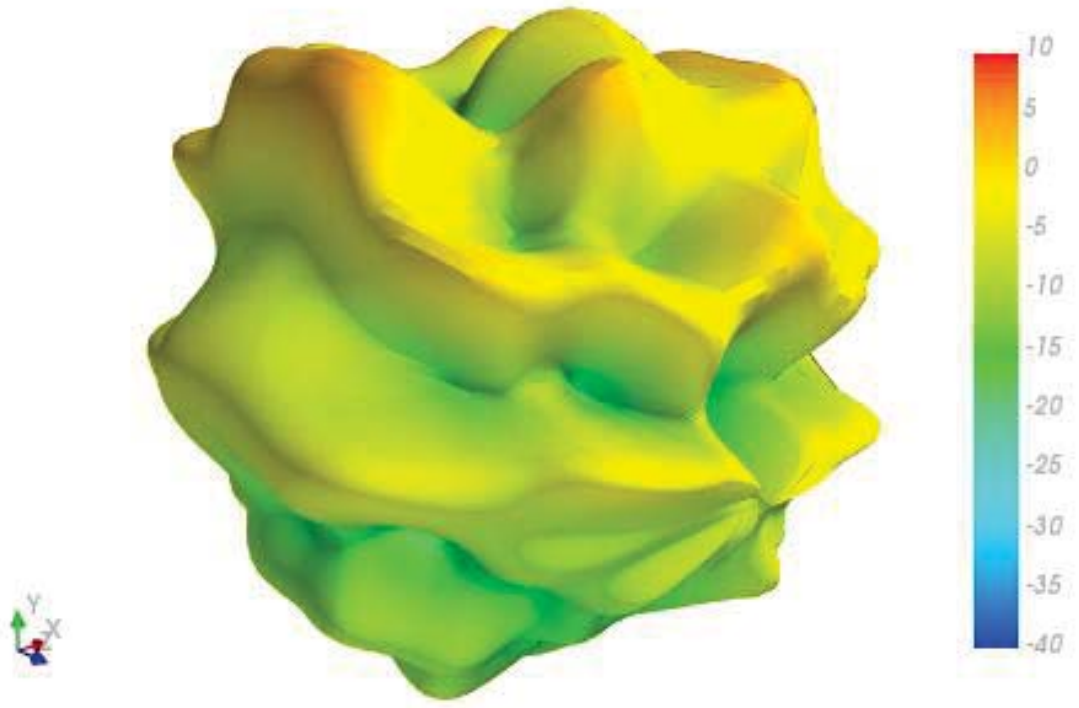
XY Plane	XZ Plane	YZ Plane
		

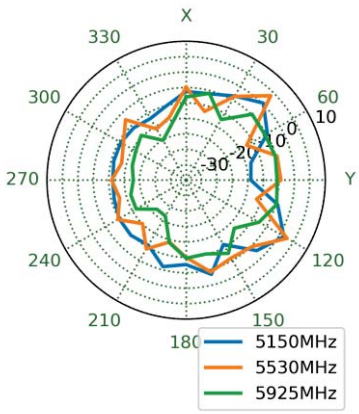
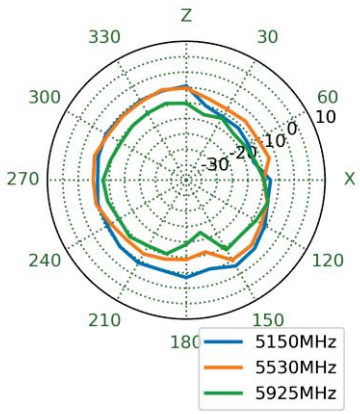
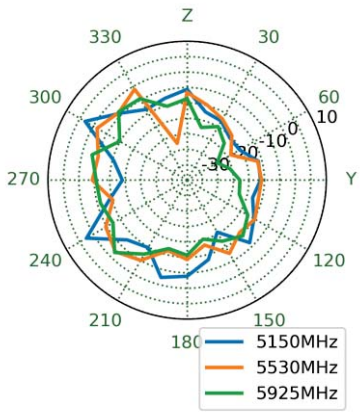
3550MHz



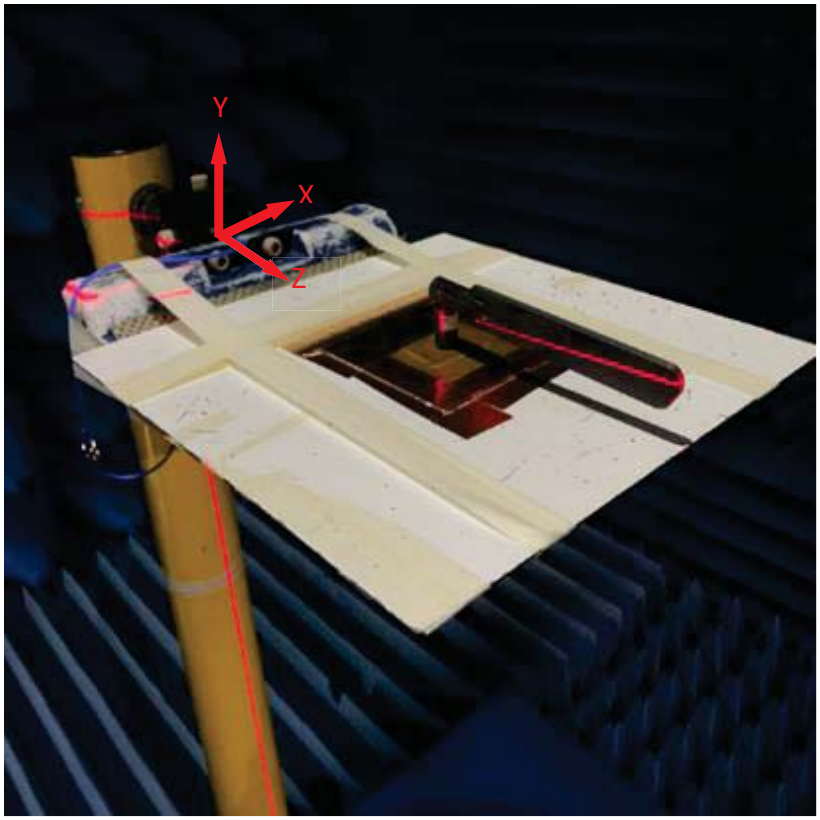
XY Plane	XZ Plane	YZ Plane
		

5530MHz



XY Plane	XZ Plane	YZ Plane
		

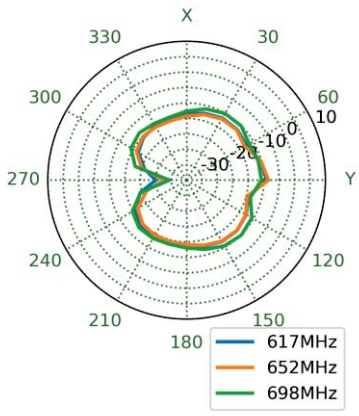
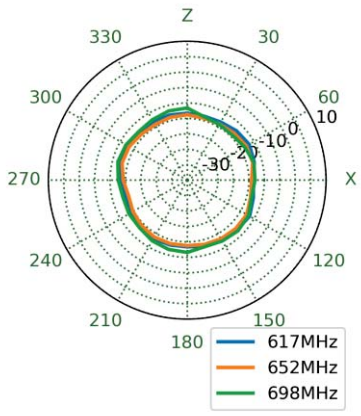
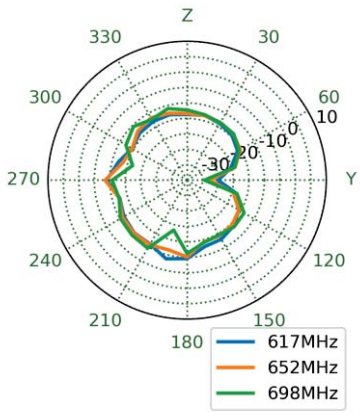
4.11 Test Setup



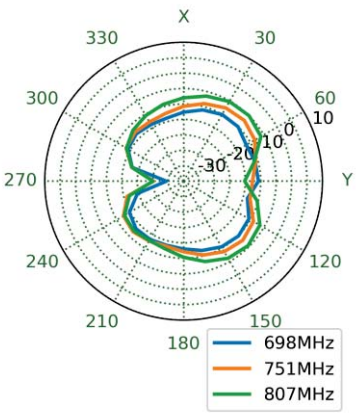
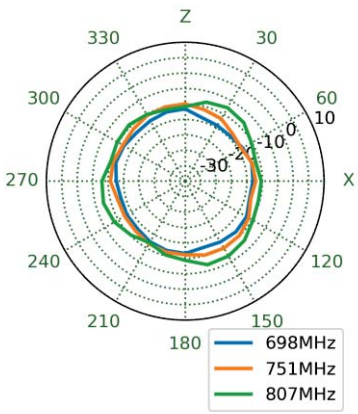
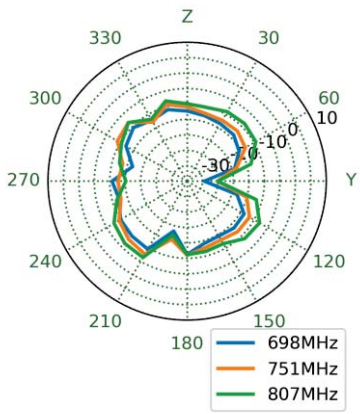
Bent 30x30cm Ground Plane Centre

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

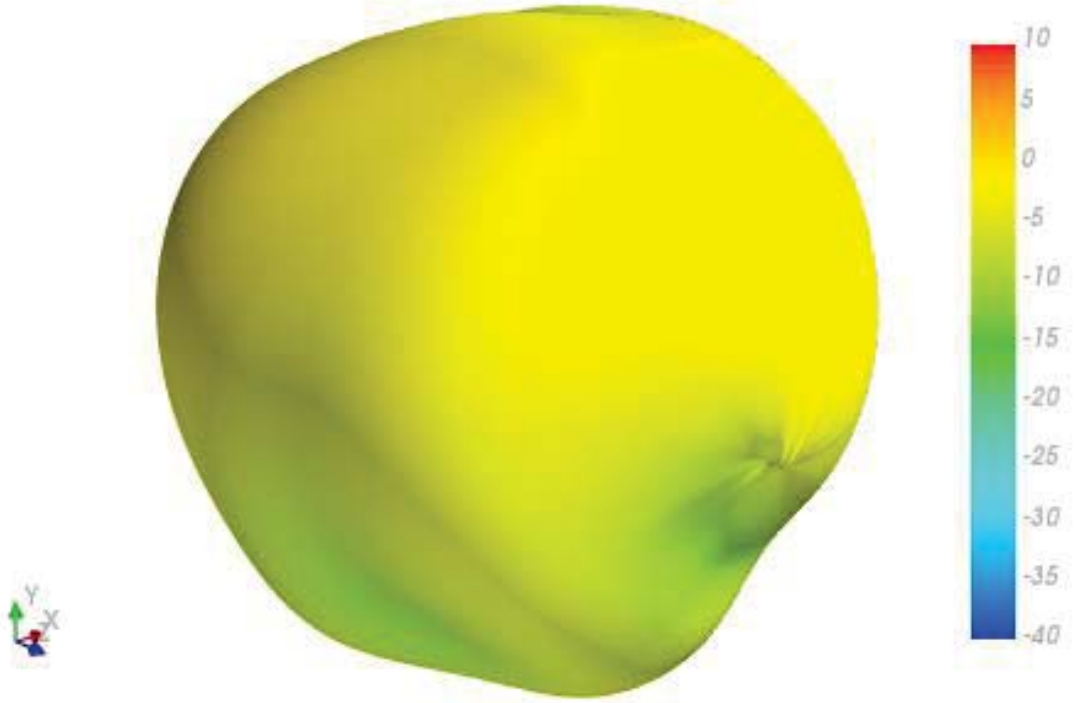
652MHz

XY Plane	XZ Plane	YZ Plane
		

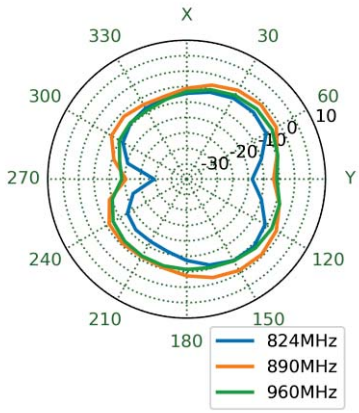
751MHz

XY Plane	XZ Plane	YZ Plane
		

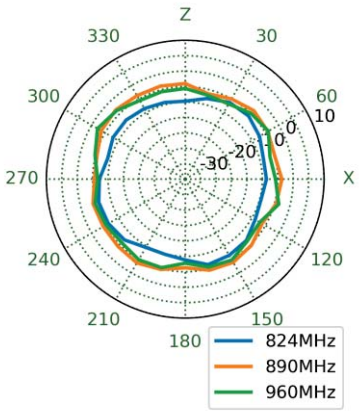
890MHz



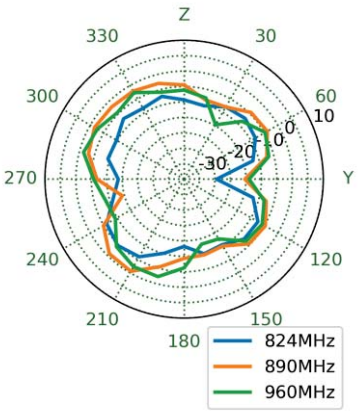
XY Plane



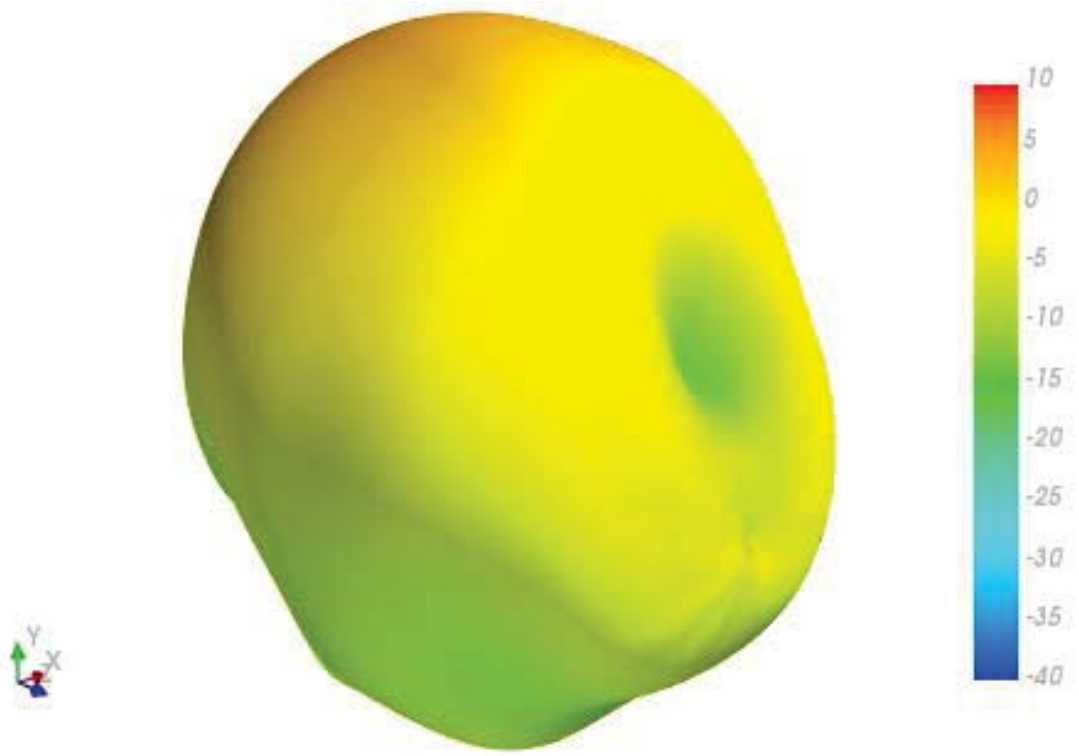
XZ Plane



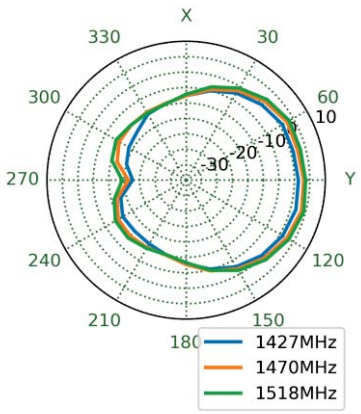
YZ Plane

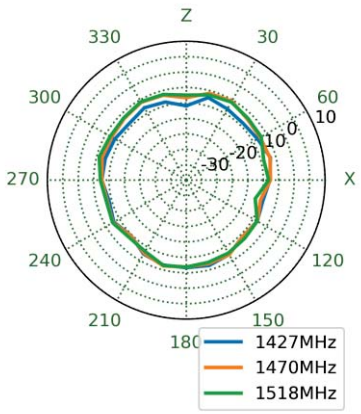


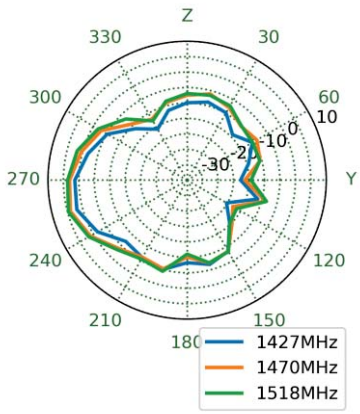
1470MHz



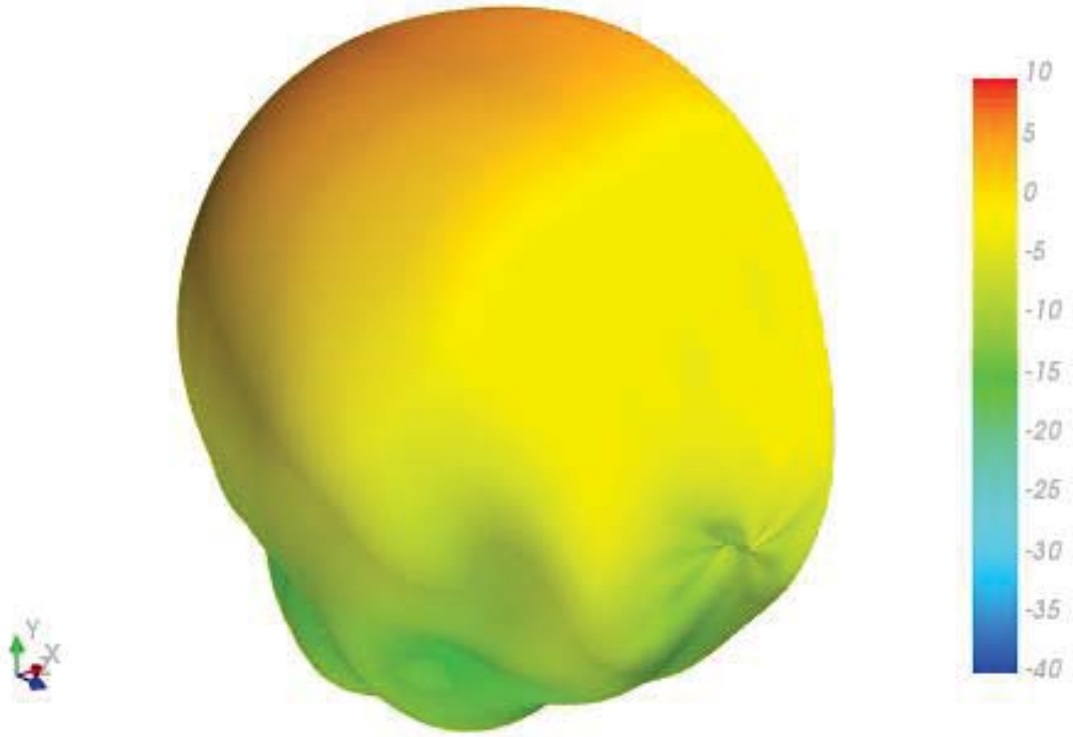
XY Plane	XZ Plane	YZ Plane

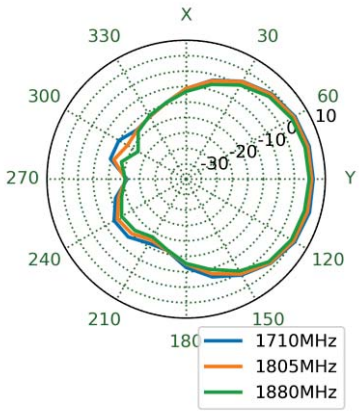
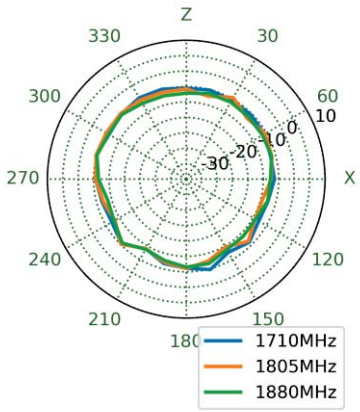
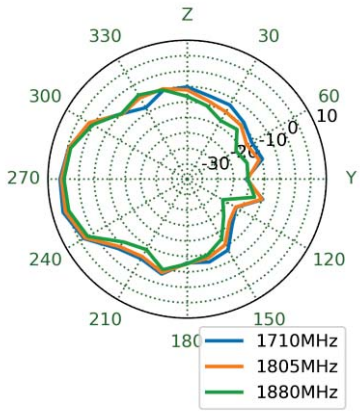




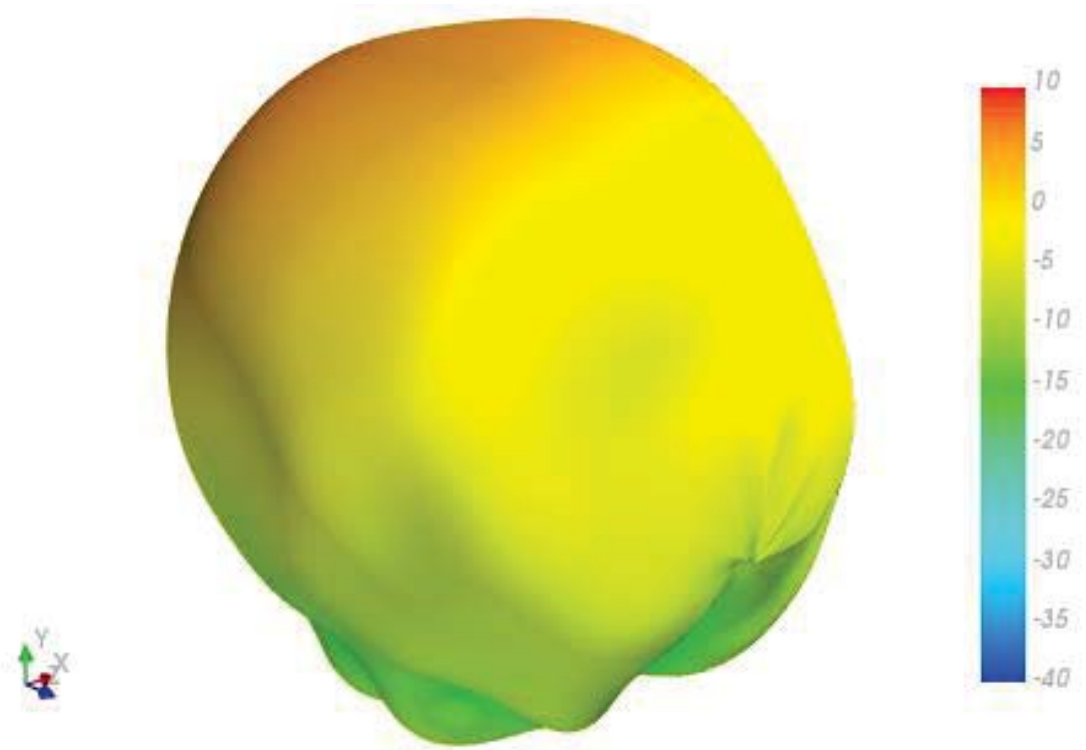


1805MHz

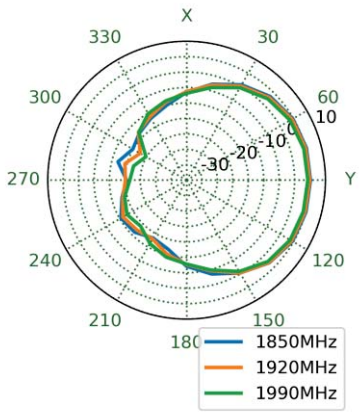


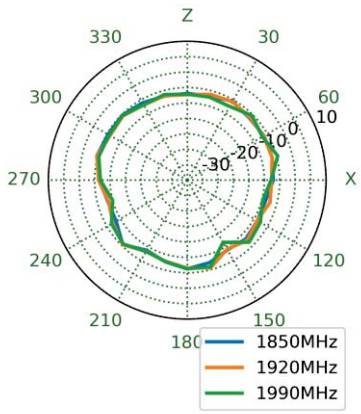
XY Plane	XZ Plane	YZ Plane
		

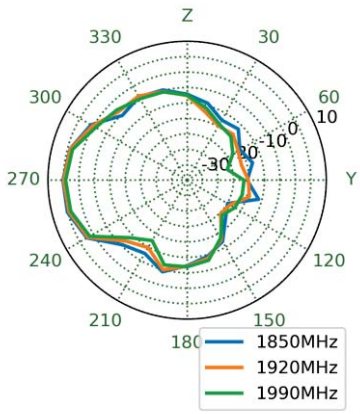
1920MHz



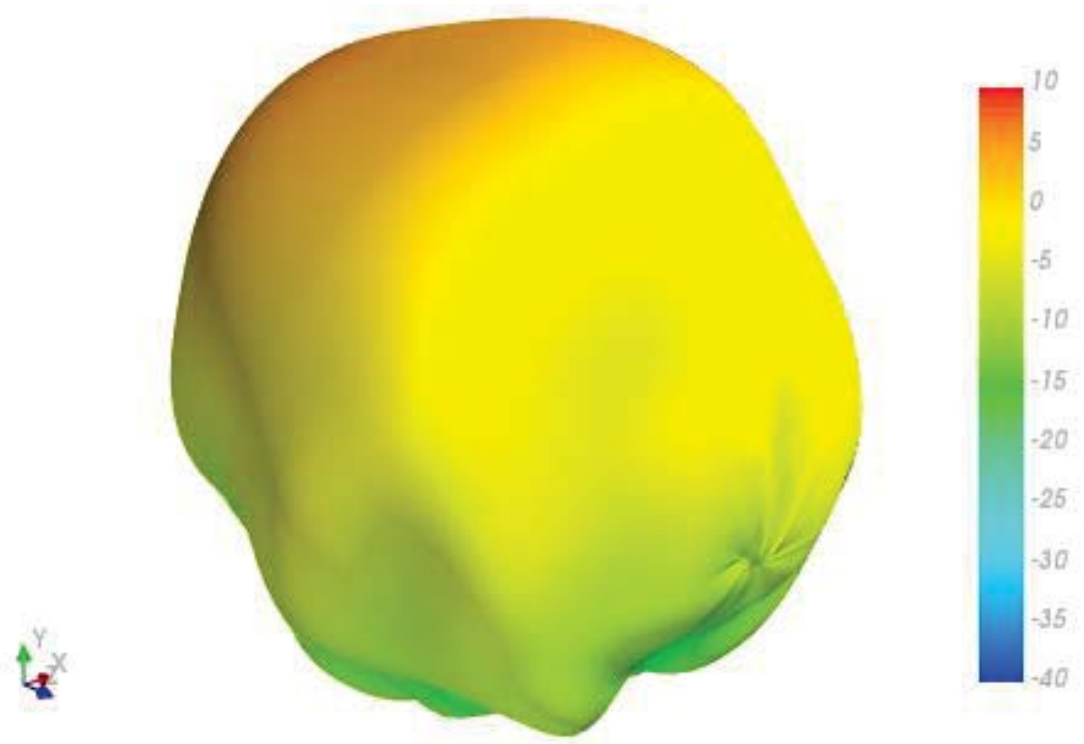
XY Plane	XZ Plane	YZ Plane



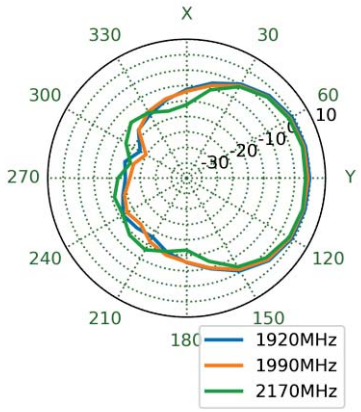


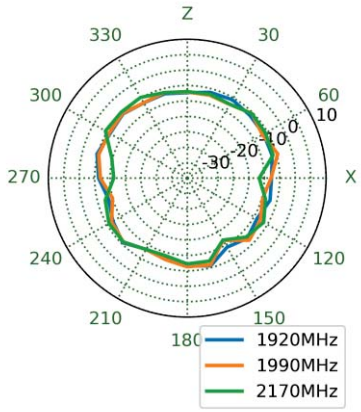


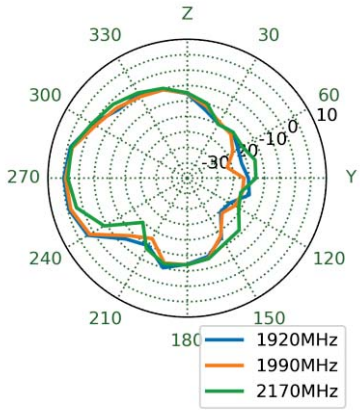
1990MHz



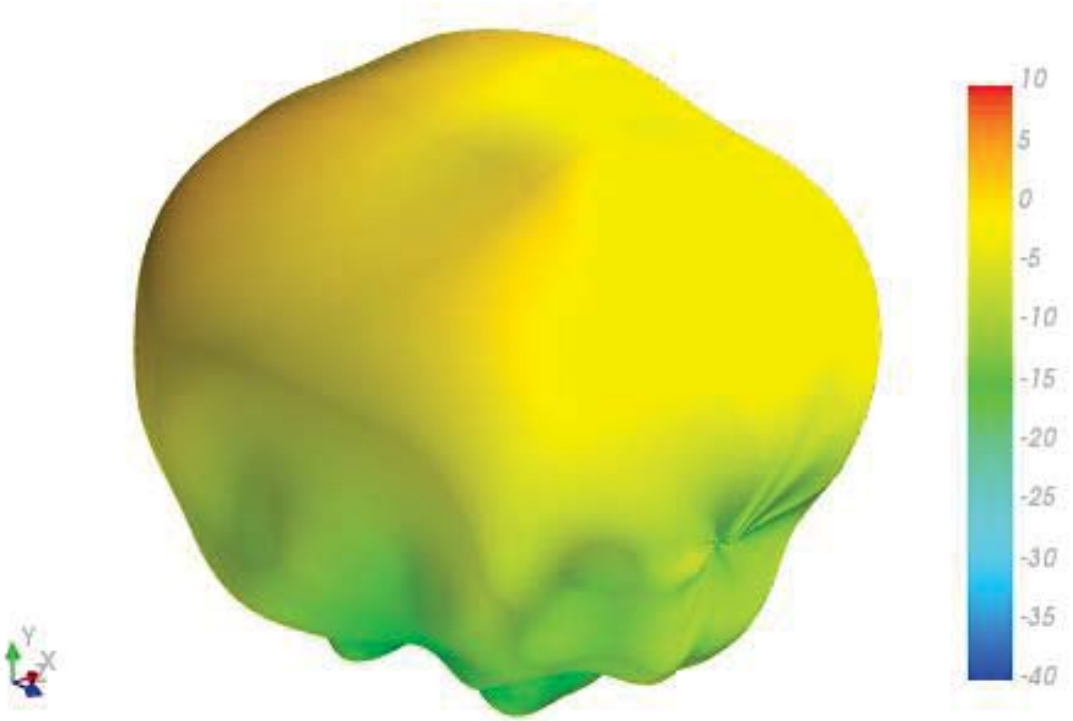
XY Plane	XZ Plane	YZ Plane



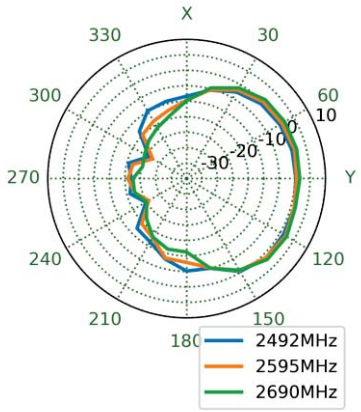


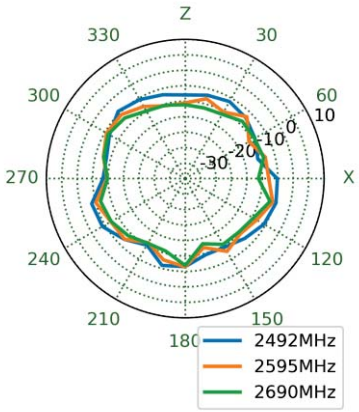


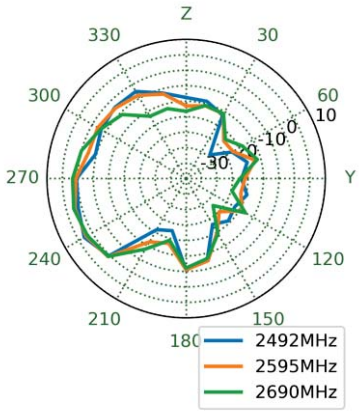
2595MHz



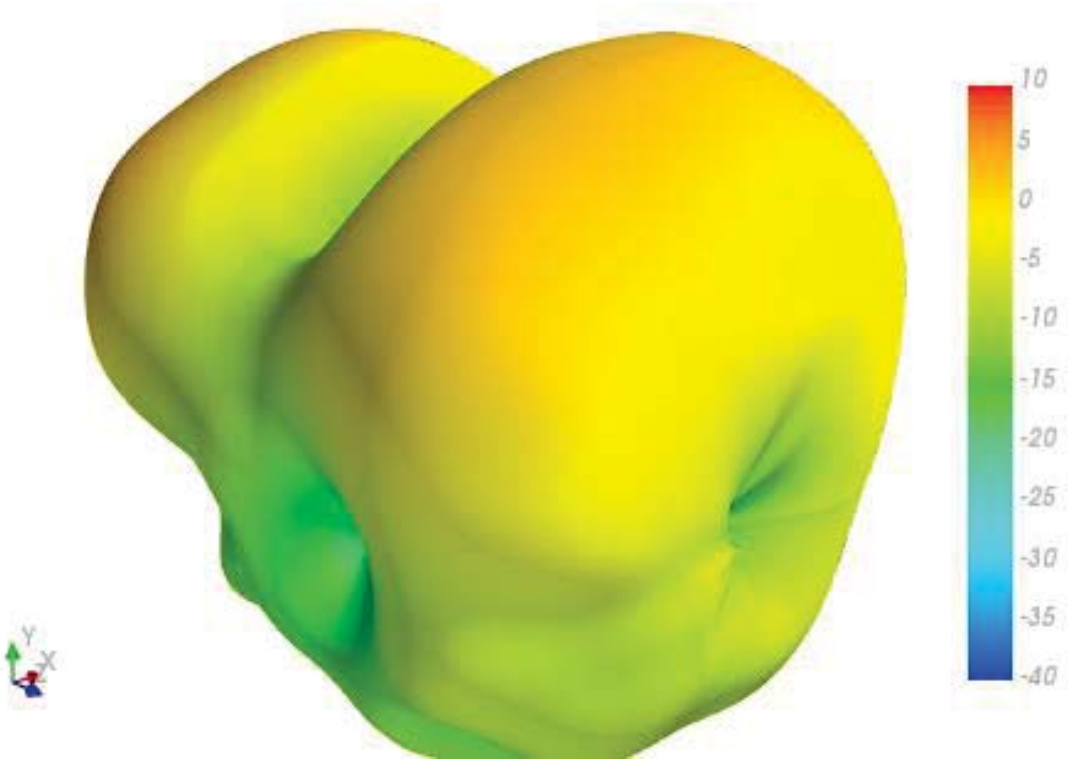
XY Plane	XZ Plane	YZ Plane

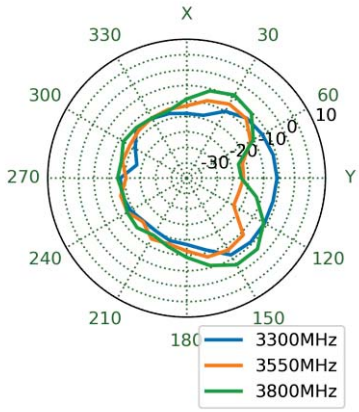
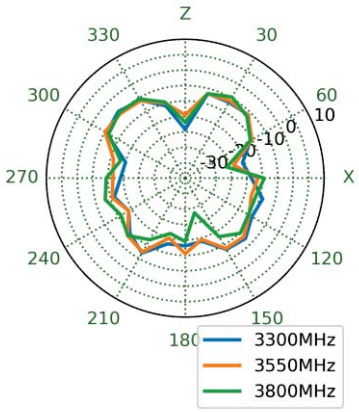
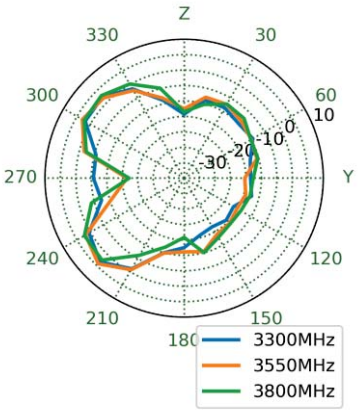




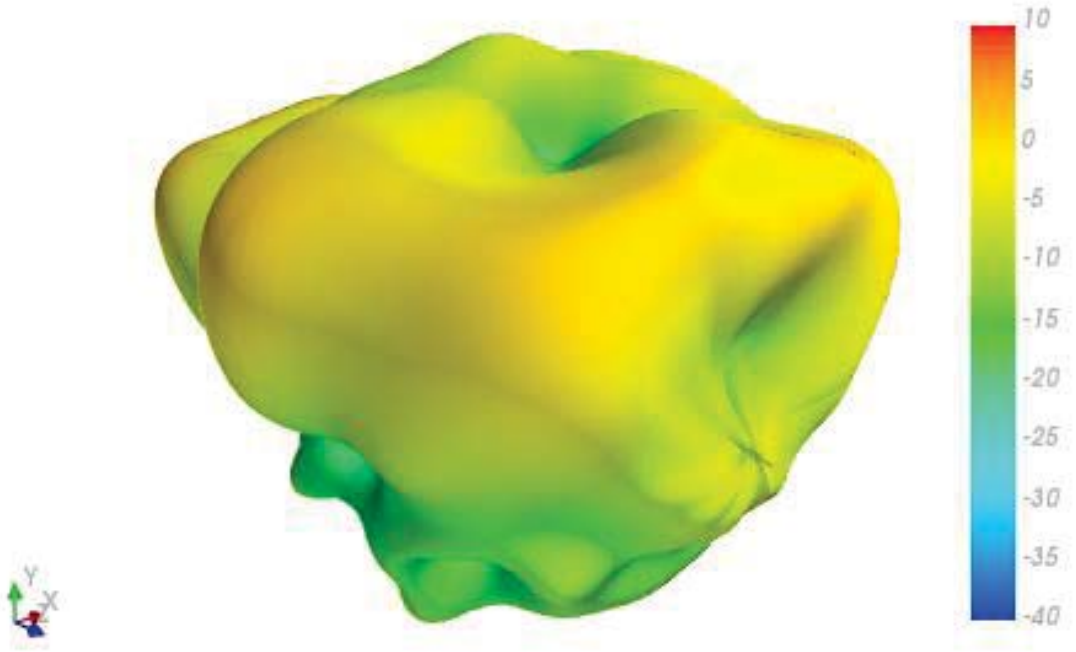


3550MHz

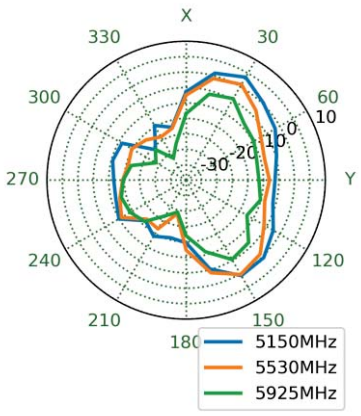


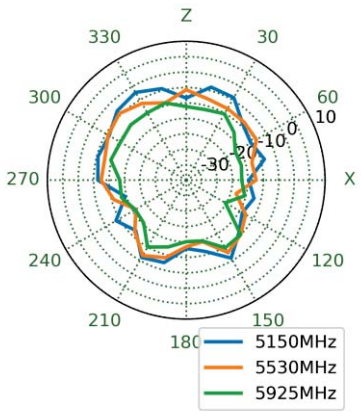
XY Plane	XZ Plane	YZ Plane
		

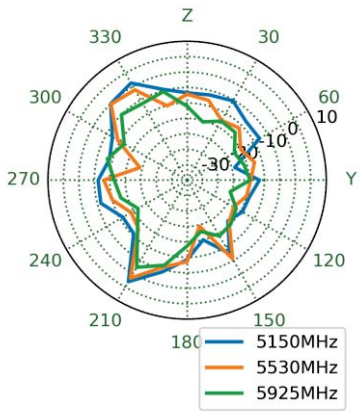
5530MHz



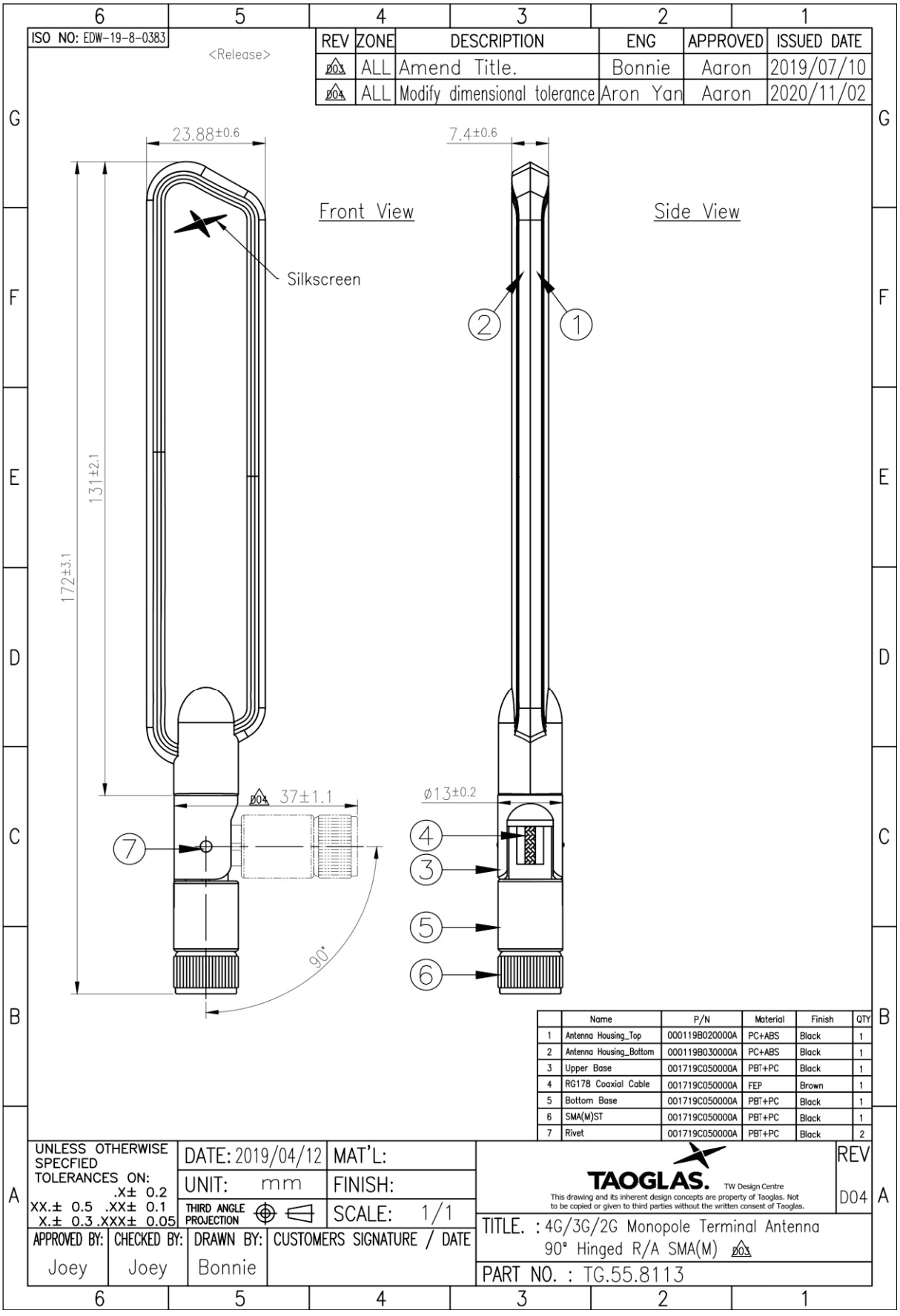
XY Plane	XZ Plane	YZ Plane





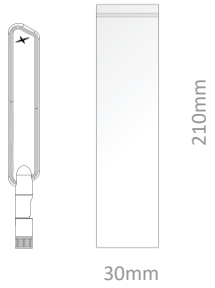


5. Mechanical Drawing (Units: mm)



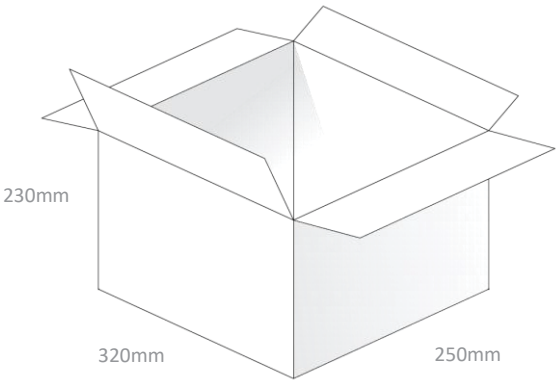
6. Packaging

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

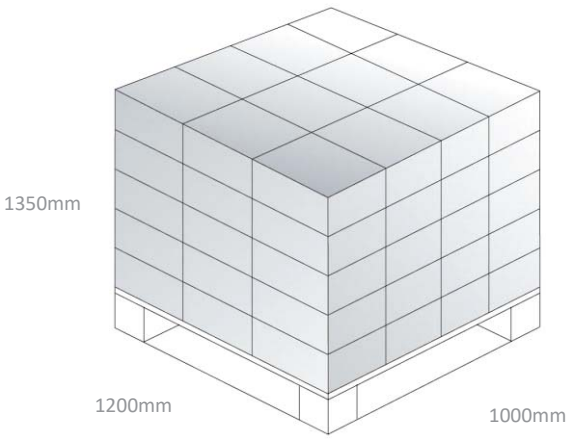


20pcs per Large PE Bag
Dimensions: 180*265mm
Weight: 620g

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

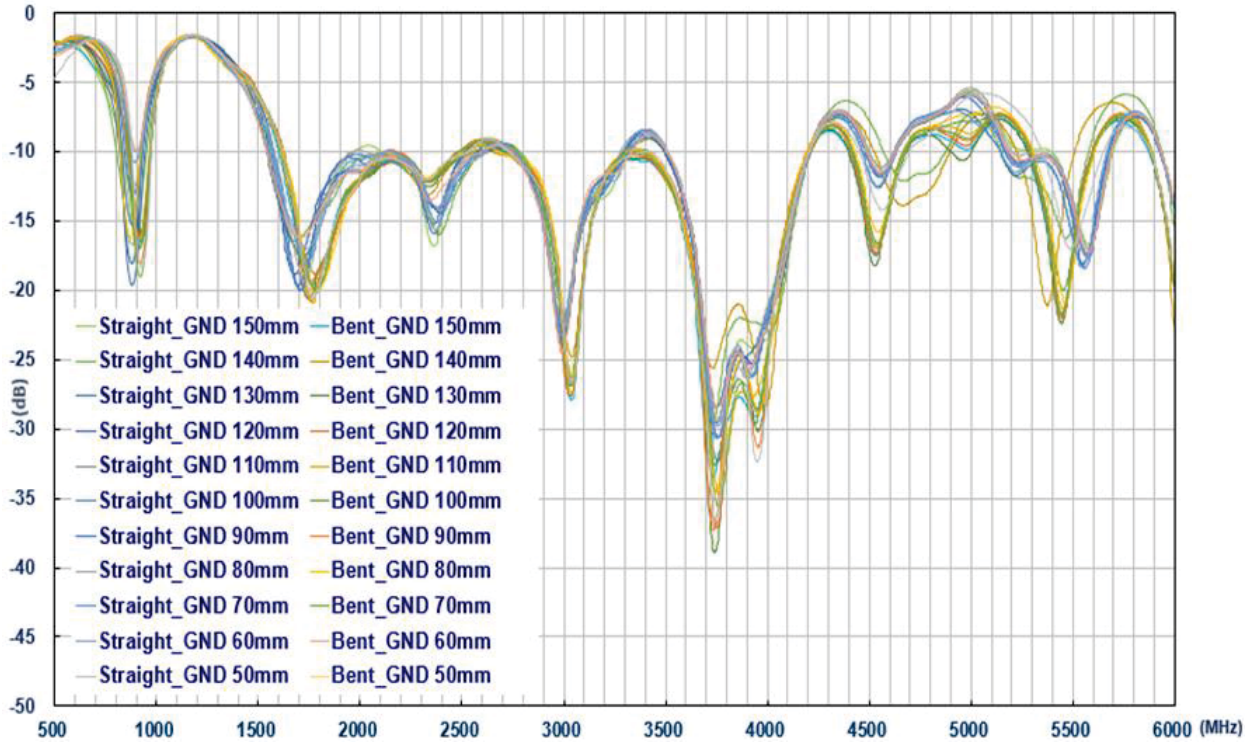


Pallet Dimensions:
1200*1000*1350mm
60 Cartons per Pallet
12 Cartons per layer, 5 Layers

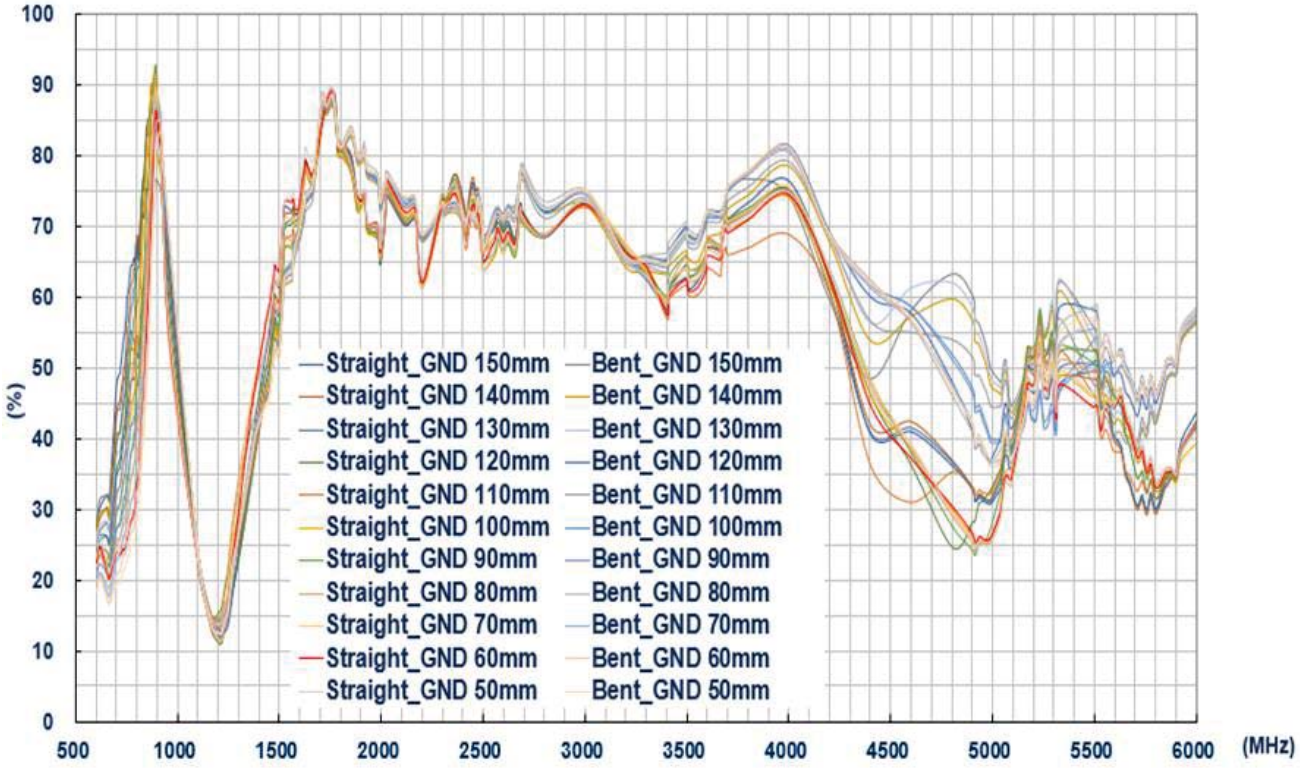


7. Application Note

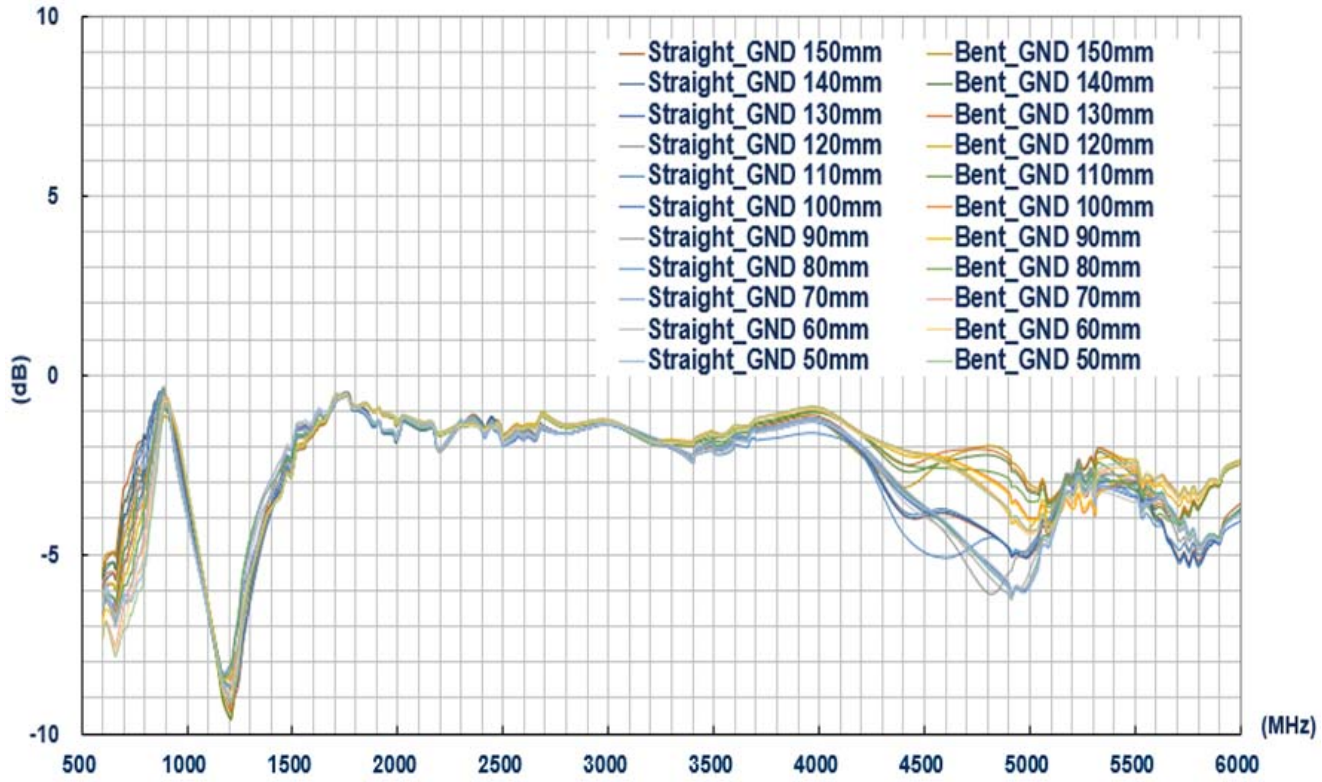
3.1 Return Loss



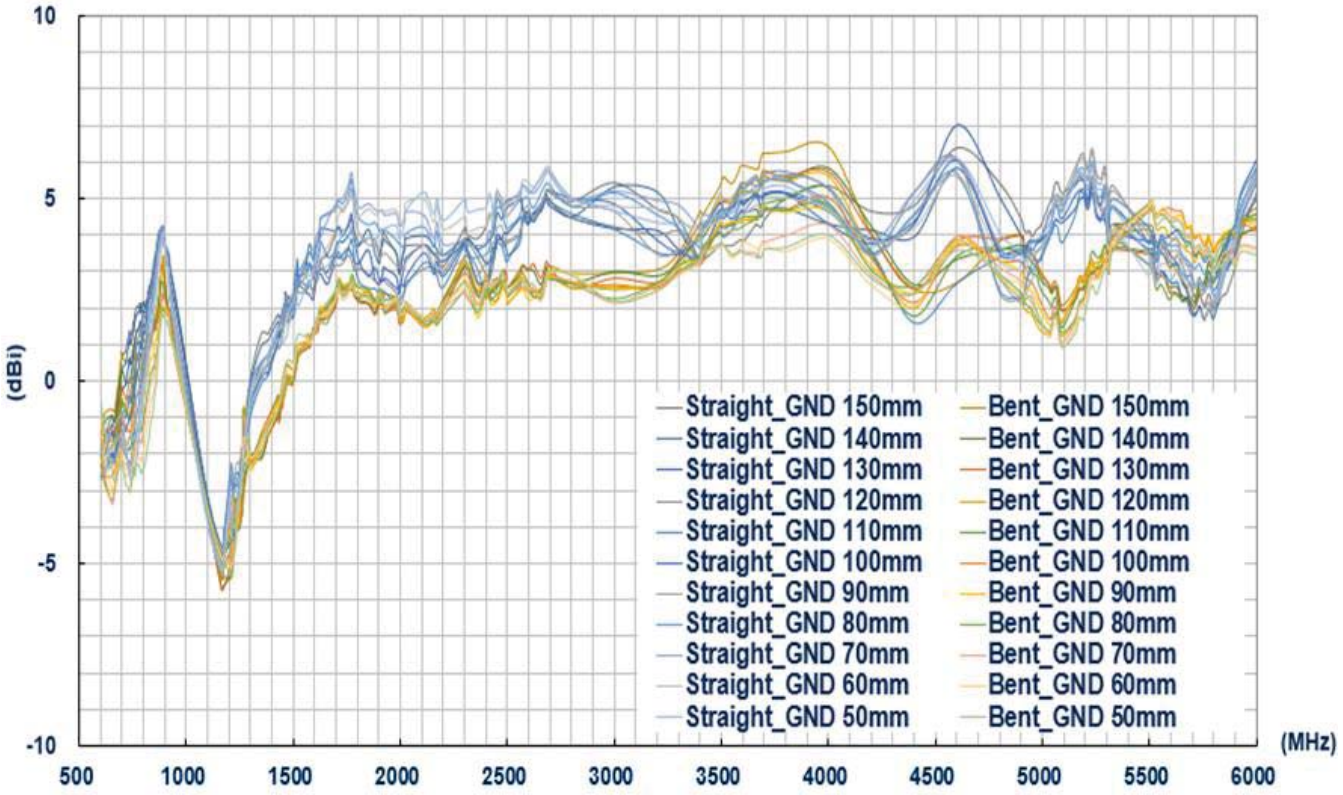
3.2 Efficiency



3.3 Average Gain



3.4 Peak Gain



Changelog for the datasheet

SPE-19-8-061 – TG.55.8113

Revision: D (Current Version)	
Date:	2020-11-10
Changes:	Updated drawing
Changes Made by:	Jack Conroy

Previous Revisions

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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