TAOGLAS

Datasheet



Part No:
TG.63.A113

Description

Wideband Cellular 617-7125MHz IP67 Terminal Mount Antenna with Hinged SMA Plug

Features:

Wideband Cellular Terminal Mount Antenna
Covering: 617 - 7125MHz
IP67 Rated Waterproof Enclosure
Dims: Ø12.9 x 203.0mm
Connector: Hinged SMA Plug
RoHS & Reach Compliant

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1. Introduction



The **TG.63.A113** is a rugged, high-performance wideband antenna designed to deliver reliable 5G/4G cellular connectivity for gateways, routers, cameras, industrial IoT equipment and other connected devices deployed in indoor or outdoor environments. Covering 617- 7125 MHz, the TG.63 provides broad global frequency coverage for 5G and 4G LTE networks while also supporting Wi-Fi 6E/7 frequency bands. This wideband performance enables device manufacturers and system integrators to use a single antenna solution across multiple technologies, frequency bands and geographic markets.

A key feature of the TG.63 is its **IP67-rated hinged construction**. Unlike conventional hinged terminal antennas where the connector and hinge can present a potential point of environmental exposure, the TG.63 combines flexible antenna positioning with a weather-resistant design. This makes the antenna particularly suited to outdoor cameras, industrial gateways, remote monitoring equipment, vending machines and other applications exposed to dust, rain or moisture. The adjustable hinge allows the antenna to be rotated and positioned to suit different device orientations and space-constrained installations. When multiple TG.63 antennas are used on 2x2 or 4x4 MIMO devices, the adjustable design also provides greater flexibility in antenna placement and orientation.

The TG.63 delivers stable omnidirectional performance across its operating bands, supporting dependable wireless connectivity across a wide variety of fixed and mobile IoT applications. Its compact profile and standard SMA (M) connector allow straightforward integration with cellular routers, gateways and connected equipment.

Typical Applications

- Gateways & Routers, Outdoor and Security Cameras
- Industrial IoT & Remote Monitoring, Smart Home & Building Automation
- Vending Machines & Connected Kiosks
- Water & Wastewater Monitoring
- Smart City Infrastructure, Utility & Environmental Monitoring

For integration support, testing services or additional technical assistance, please contact your regional Taoglas customer support team.

2. Specification

Electrical									
Band	Frequency (MHz)	Measurement	Efficiency (%)	Average Gain (dB)	Peak Gain (dBi)	Impedance	Polarization	Radiation Pattern	Max. input power
5GNR/4G Band71	617-698	15x9cm - Bent	63.8	-1.95	1.29	50 Ω	Linear	Omni directional	10W
		15x9cm - Straight	67.2	-1.73	2.75				
		9x15cm - Bent	59.5	-2.26	0.98				
		9x15cm - Straight	60.5	-2.19	0.91				
		Free Space - Bent	41.5	-3.82	1.15				
		Free Space - Straight	43.5	-3.62	1.23				
4G/3G Band 12,13,14,17,28,29	698-806	15x9cm - Bent	54.8	-2.61	1.34				
		15x9cm - Straight	56.5	-2.48	2.83				
		9x15cm - Bent	55.3	-2.57	0.93				
		9x15cm - Straight	56.6	-2.47	2.16				
		Free Space - Bent	46.5	-3.32	1.81				
		Free Space - Straight	44.0	-3.57	2.08				
4G/3G/NB-IoT/Cat M Band 5,8,18,19,20,26,27	824-960	15x9cm - Bent	57.0	-2.44	3.17				
		15x9cm - Straight	58.0	-2.37	4.51				
		9x15cm - Bent	67.9	-1.68	2.32				
		9x15cm - Straight	72.6	-1.39	4.72				
		Free Space - Bent	45.7	-3.40	2.00				
		Free Space - Straight	41.8	-3.79	2.54				
5GNR/4G Band 21,32,74,75,76	1427-1518	15x9cm - Bent	75.8	-1.21	3.23				
		15x9cm - Straight	85.0	-0.71	5.41				
		9x15cm - Bent	74.9	-1.26	3.07				
		9x15cm - Straight	75.2	-1.24	4.50				
		Free Space - Bent	48.5	-3.14	2.74				
		Free Space - Straight	35.3	-4.52	1.52				
Downlink Band 24	1525-1559	15x9cm - Bent	82.7	-0.82	3.67				
		15x9cm - Straight	86.0	-0.65	5.56				
		9x15cm - Bent	82.1	-0.86	3.34				
		9x15cm - Straight	77.6	-1.10	4.53				
		Free Space - Bent	56.6	-2.47	3.49				
		Free Space - Straight	41.2	-3.85	2.04				
Uplink Band 24	1626-1660	15x9cm - Bent	90.9	-0.41	4.81				
		15x9cm - Straight	84.5	-0.73	6.52				
		9x15cm - Bent	91.8	-0.37	4.47				
		9x15cm - Straight	80.7	-0.93	4.85				
		Free Space - Bent	67.5	-1.70	4.98				

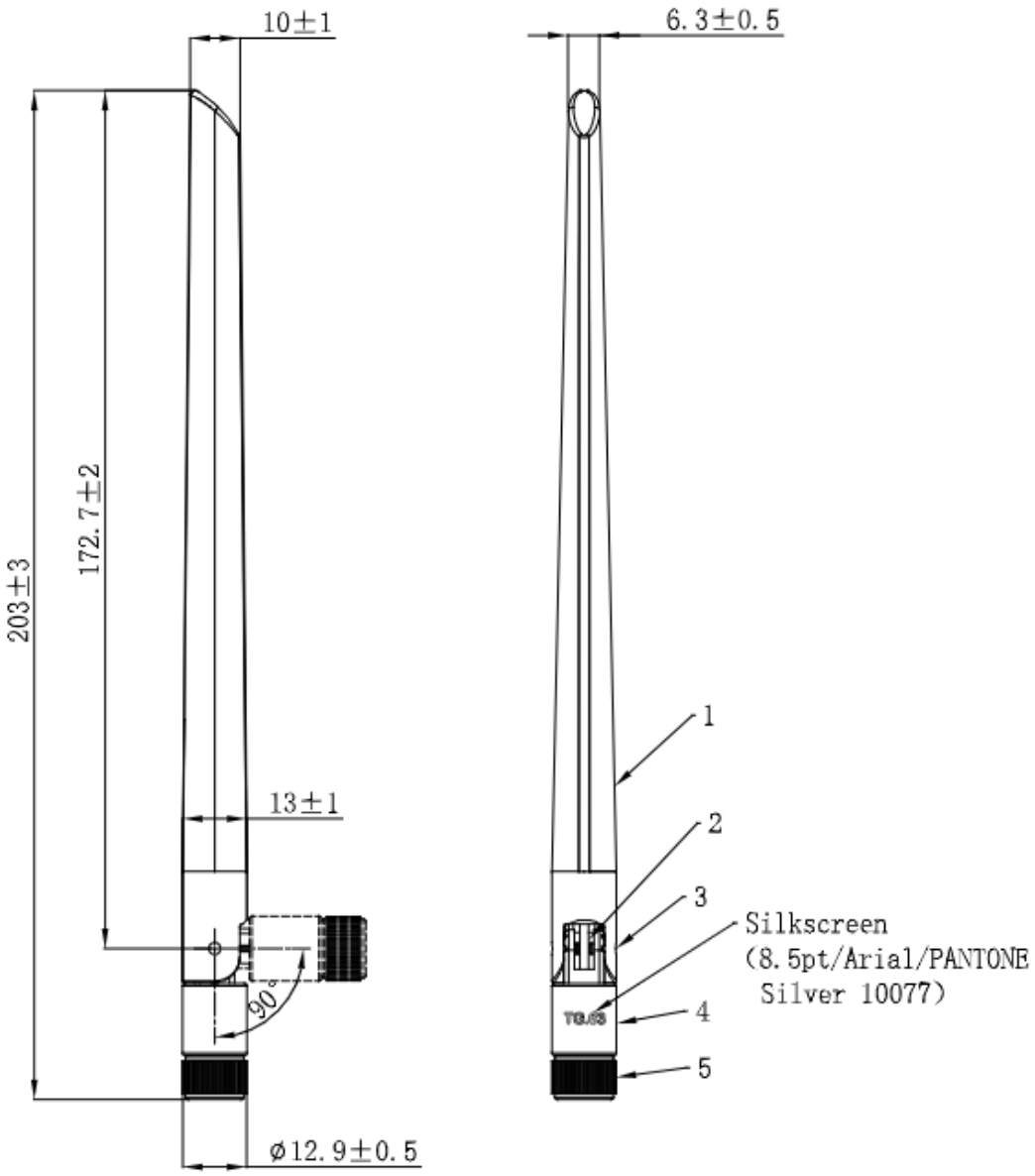
		Free Space - Straight	44.5	-3.51	3.05				
4G/3G Band 1,2,3,4,9,23,25,35,39, 66	1710-2200	15x9cm - Bent	80.3	-0.95	4.73				
		15x9cm - Straight	69.3	-1.59	6.99				
		9x15cm - Bent	78.7	-1.04	4.41				
		9x15cm - Straight	65.2	-1.86	4.78				
		Free Space - Bent	67.6	-1.70	5.42				
		Free Space - Straight	40.1	-3.97	3.30				
4G/3G Band 7,30,38,40,41	2300-2690	15x9cm - Bent	65.8	-1.82	5.19				
		15x9cm - Straight	64.5	-1.91	5.79				
		9x15cm - Bent	65.8	-1.82	4.90				
		9x15cm - Straight	68.9	-1.62	4.84				
		Free Space - Bent	61.7	-2.10	4.40				
		Free Space - Straight	48.1	-3.18	1.30				
5GNR/4G Band 22,42,48,77,78,79	3300-5000	15x9cm - Bent	72.2	-1.42	5.45				
		15x9cm - Straight	70.1	-1.54	5.03				
		9x15cm - Bent	71.9	-1.43	5.26				
		9x15cm - Straight	72.9	-1.37	4.69				
		Free Space - Bent	77.7	-1.10	6.20				
		Free Space - Straight	76.7	-1.15	4.32				
LTE5200/Wi-Fi5800	5150-5925	15x9cm - Bent	68.0	-1.67	5.12				
		15x9cm - Straight	62.5	-2.04	6.01				
		9x15cm - Bent	69.9	-1.56	5.71				
		9x15cm - Straight	68.1	-1.67	5.26				
		Free Space - Bent	76.3	-1.18	5.88				
		Free Space - Straight	74.6	-1.27	4.99				
Wi-Fi - 6GHz	5925-7125	15x9cm - Bent	46.2	-3.36	5.85				
		15x9cm - Straight	48.8	-3.12	4.85				
		9x15cm - Bent	67.9	-1.68	5.26				
		9x15cm - Straight	65.0	-1.87	6.76				
		Free Space - Bent	75.2	-1.24	4.93				
		Free Space - Straight	69.0	-1.61	5.78				

Mechanical	
Dimensions	Ø12.9 x 203 mm
Weight	19.7g / 0.7 oz
Material	ASA
Connector	SMA(M)

Environmental	
Waterproof Rating*	IP67 Rated Enclosure
Operation Temperature	-40°C - +85°C
Storage Temperature	-40°C - +85°C
Relative Humidity	Non-condensing 65°C 95% RH

* Waterproof Rating in for the enclosure. Waterproofing the connector is dependent on correct installation.

3. Mechanical Drawing



	Name	Material	Number	Finish
5	SMA(M)	Brass	1	Black
4	SMA holder	PC+PBT	1	Black
3	Pin	POM	2	Black
2	Rg178 Cable	FEP	1	Brown
1	Antenna Enclosure	ASA PW-978B	1	Black

4. Packaging



☑ 10 PCS / Ten-pack bag

☑ Ten-pack Bag (mm): 358 x 230

☑ Weight (g): 207 ±3%



☑ 50 PCS / PE Bag

☑ PE Bag (mm): 270 x 390

☑ Weight (Kg): 1.04 ±3%

☑ SPQ Label



☑ 300 PCS / Carton

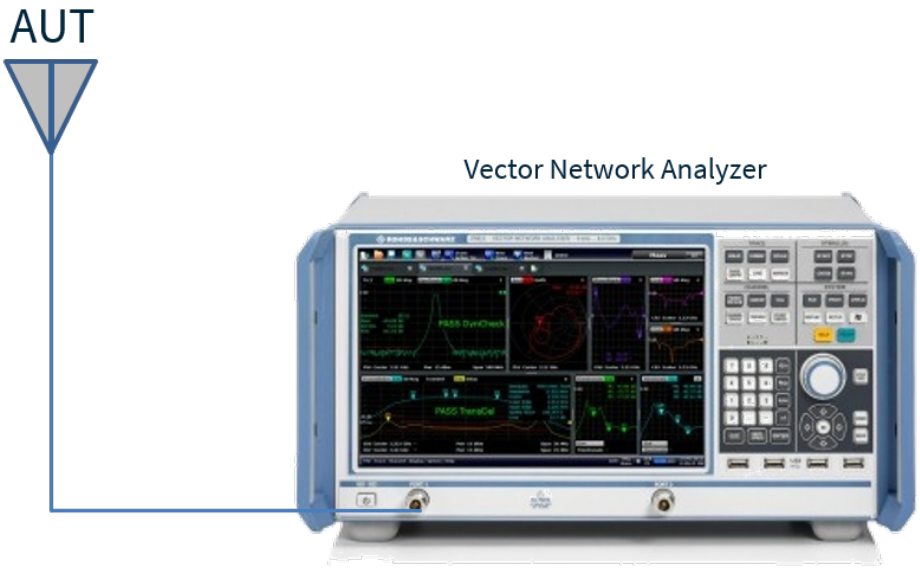
☑ Carton (mm): 320 x 250 x 290

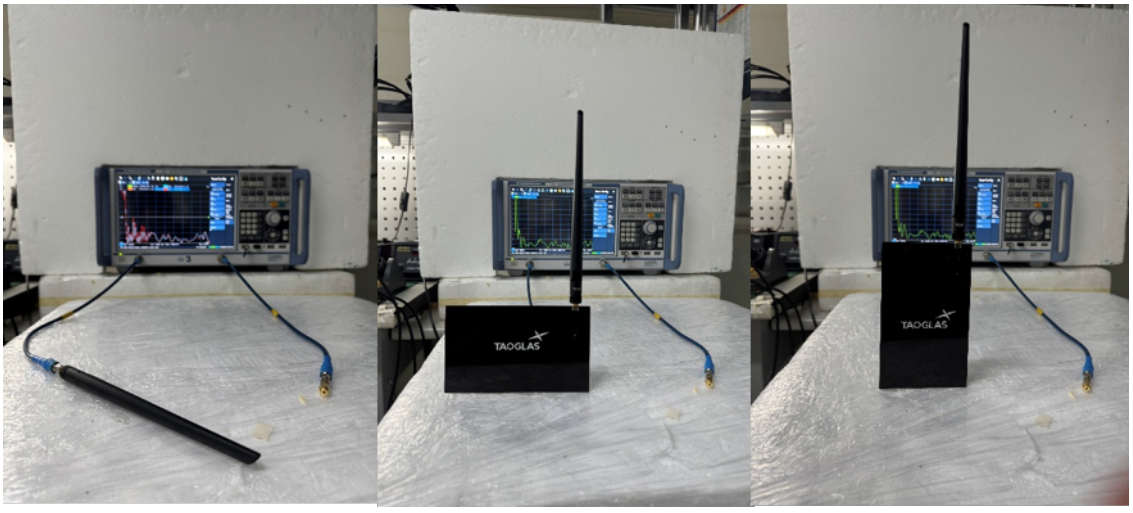
☑ Weight (Kg): 6.8 ±3%

☑ Carton Label

5. Antenna Characteristics

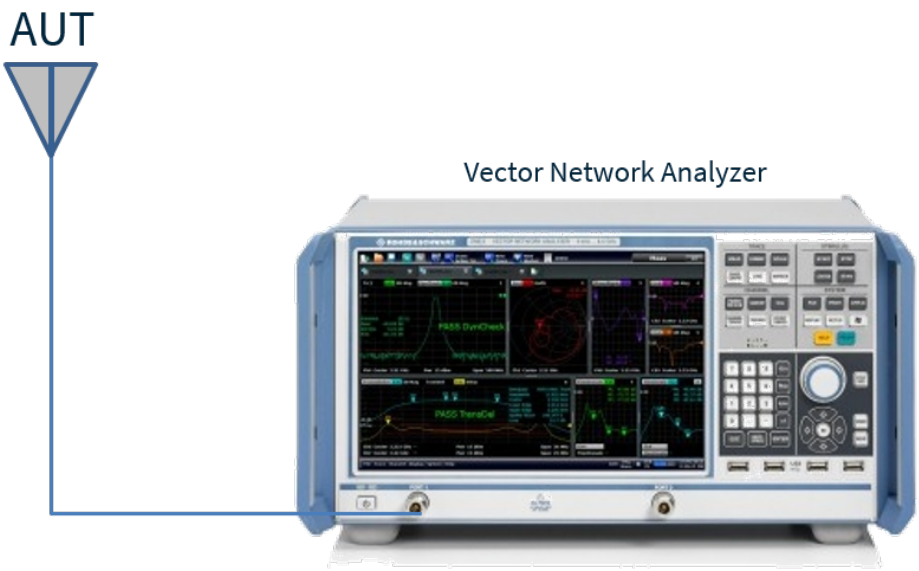
5.1 Test Setup - Straight

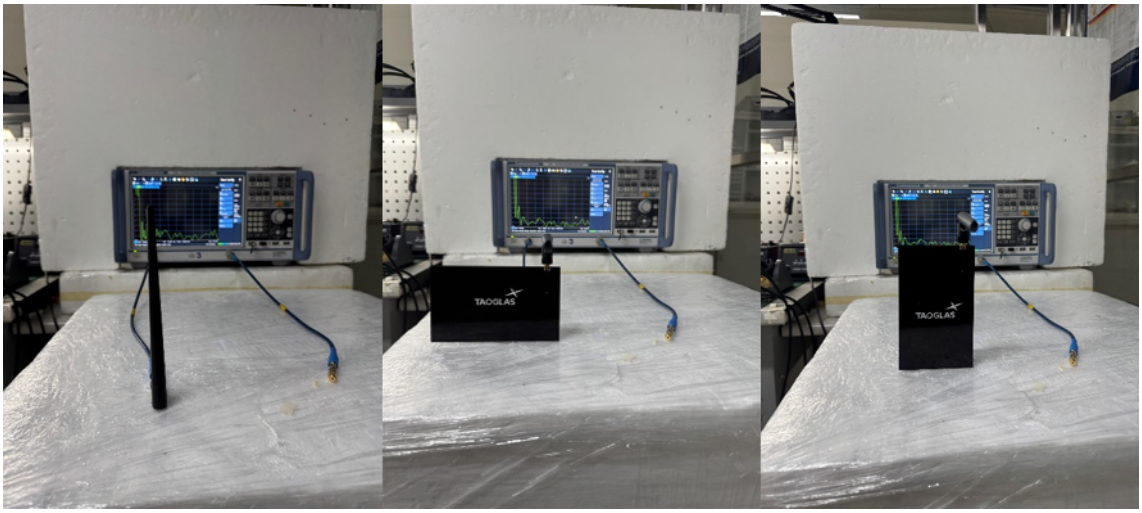




Free Space | 15x9cm Ground Plane | 9x15cm Ground Plane

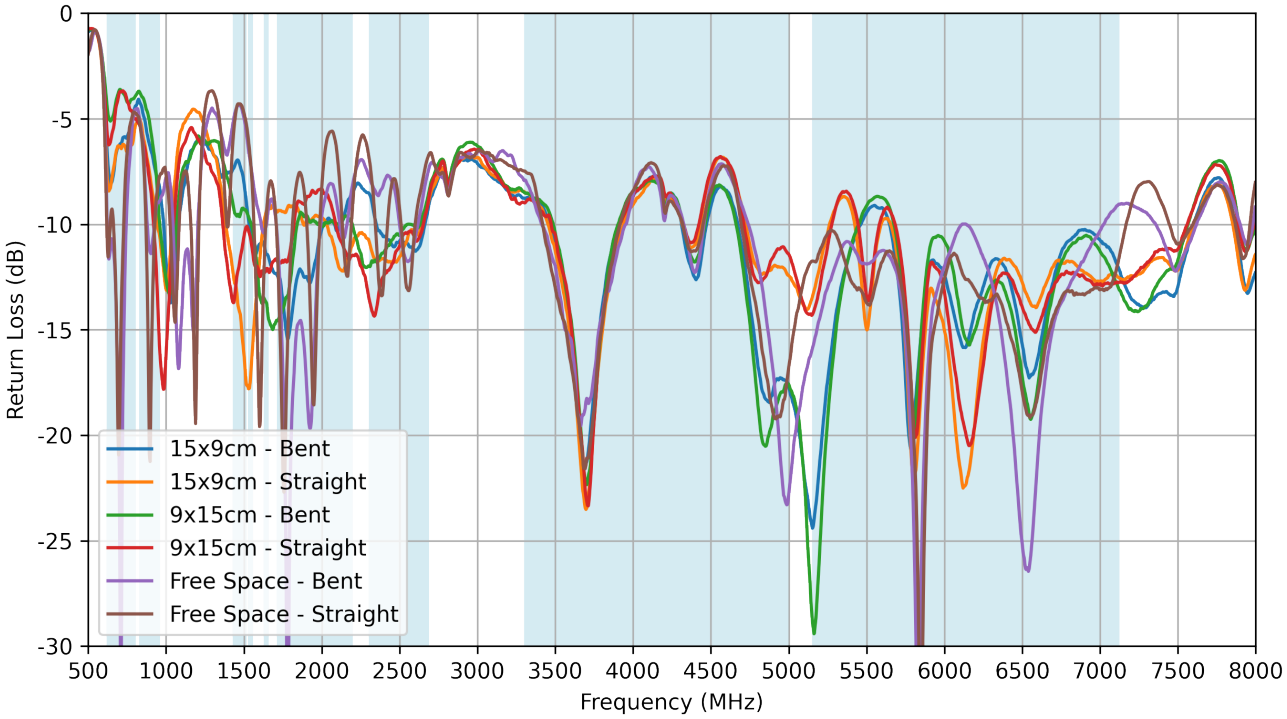
5.2 Test Setup - Bent



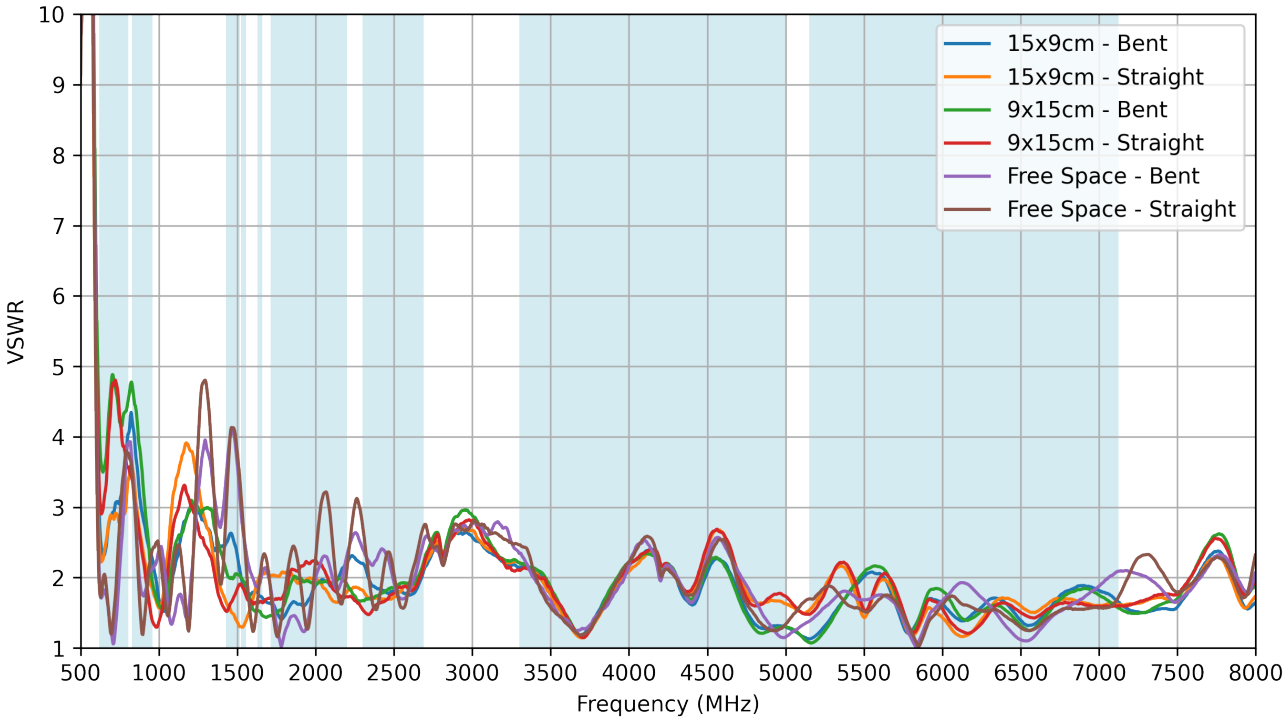


Free Space | 15x9cm Ground Plane | 9x15cm Ground Plane

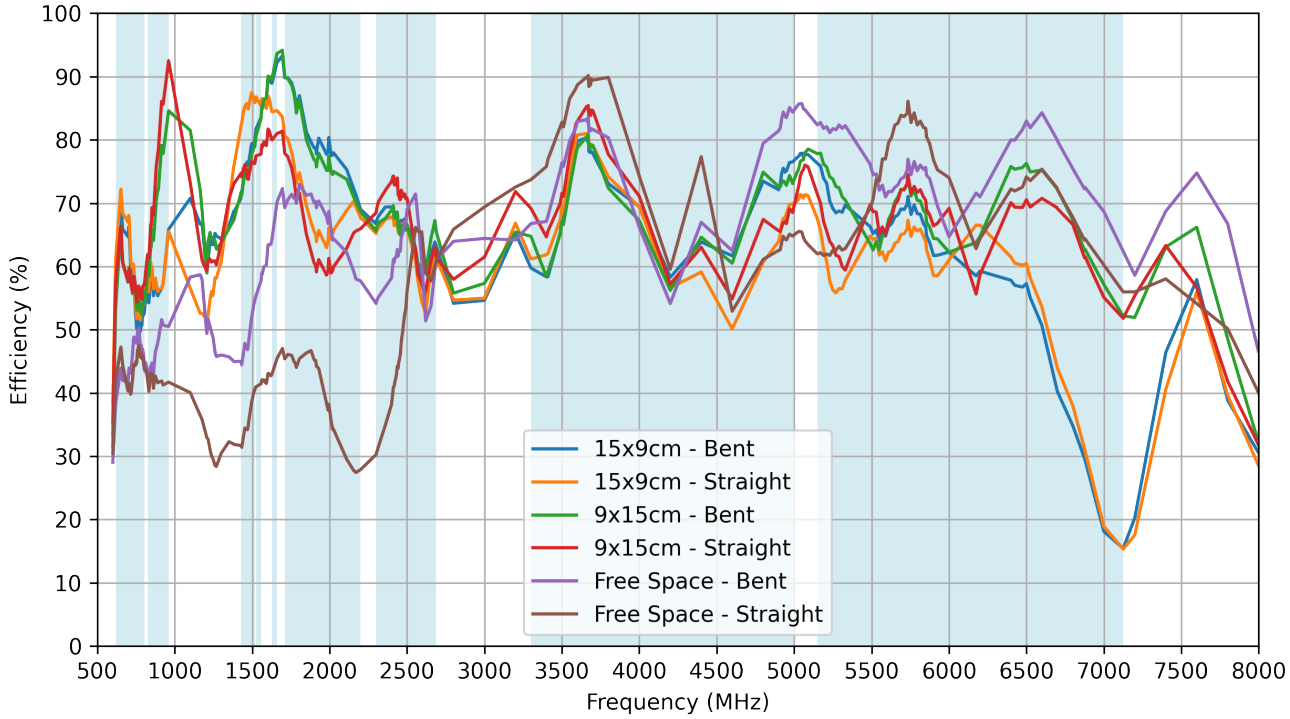
5.3 Return Loss



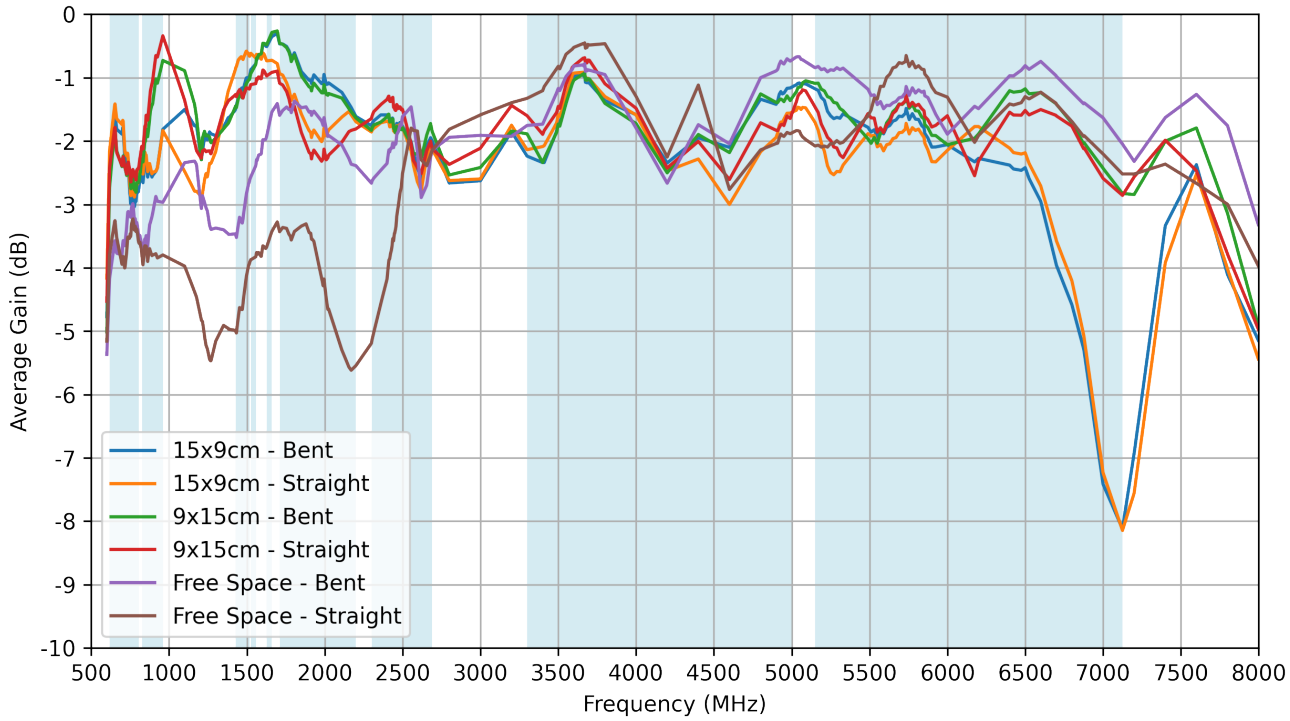
5.4 VSWR



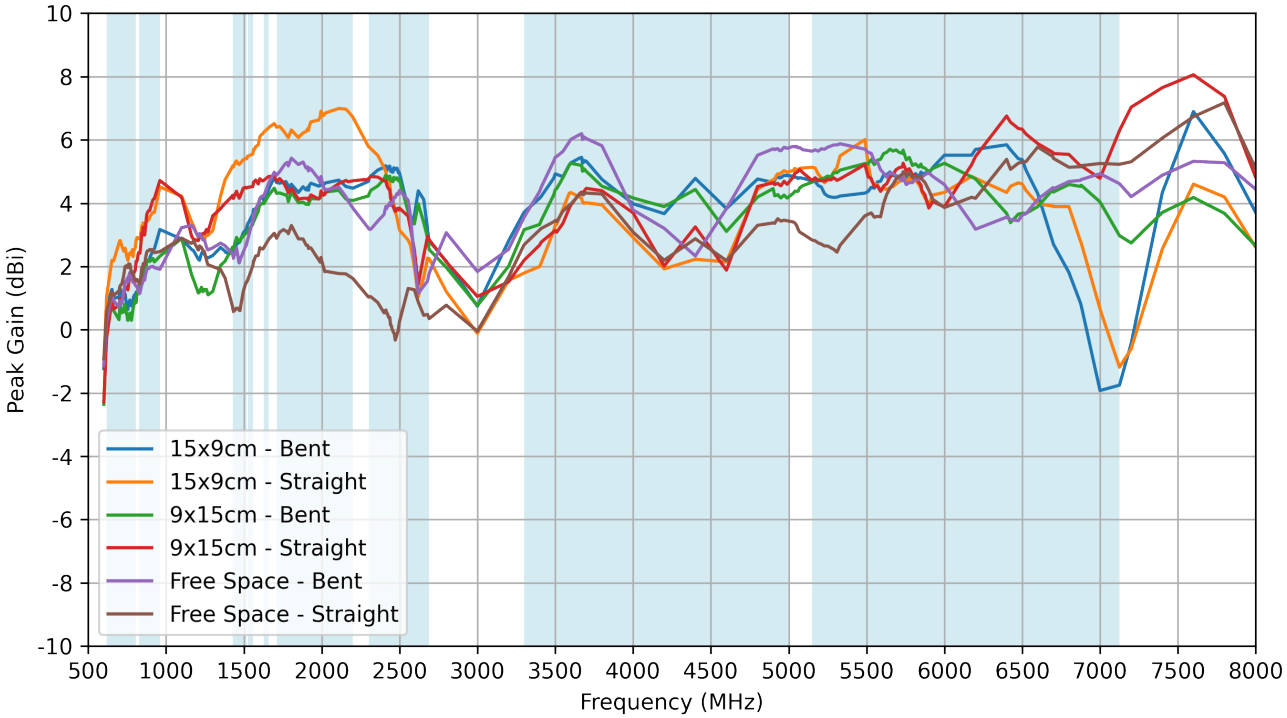
5.5 Efficiency



5.6 Average Gain

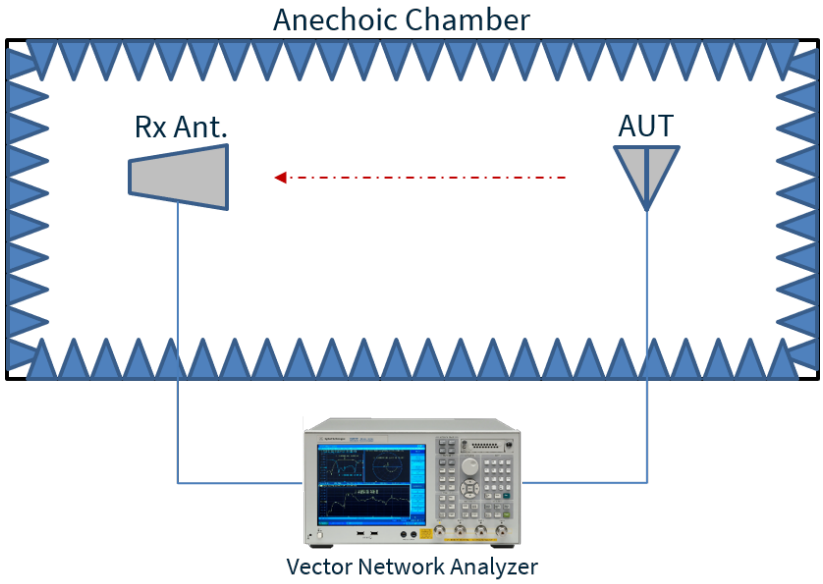


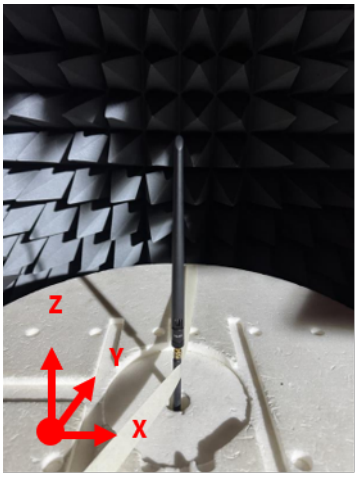
5.7 Peak Gain


Peak Gain (dBi)
10
8
6
4
2
0
-2
-4
-6
-8
-10
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
6500
7000
7500
8000
Frequency (MHz)
15x9cm - Bent
15x9cm - Straight
9x15cm - Bent
9x15cm - Straight
Free Space - Bent
Free Space - Straight

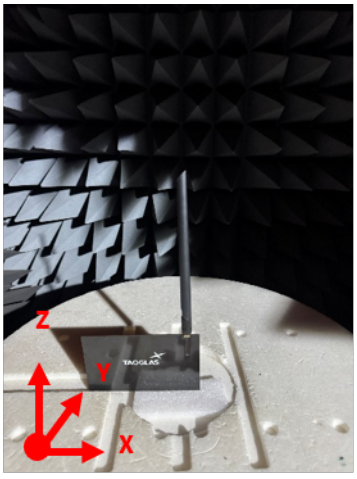
6. Radiation Patterns

6.1 Test Setup - Straight

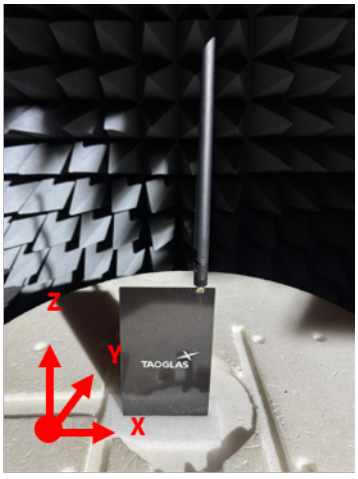




Free Space

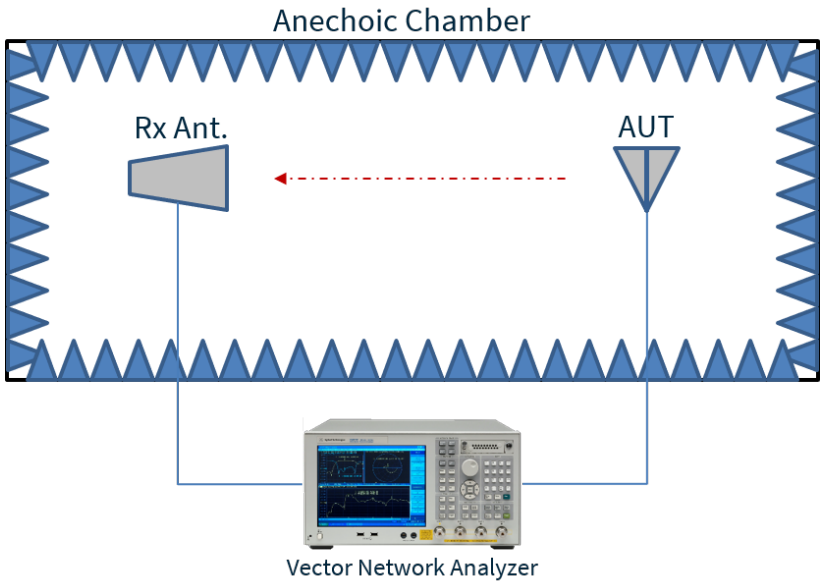


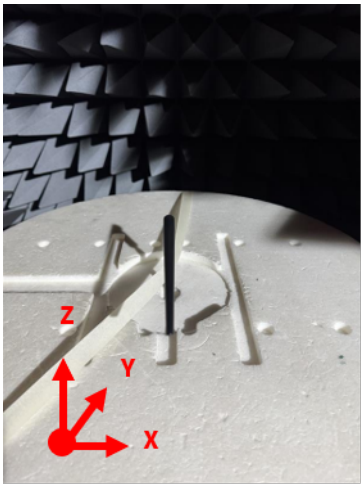
15x9cm Ground Plane



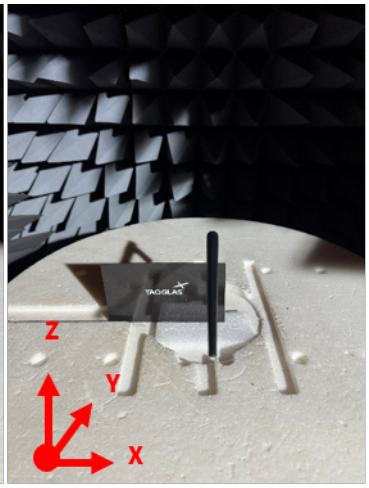
9x15cm Ground Plane

6.2 Test Setup - Bent

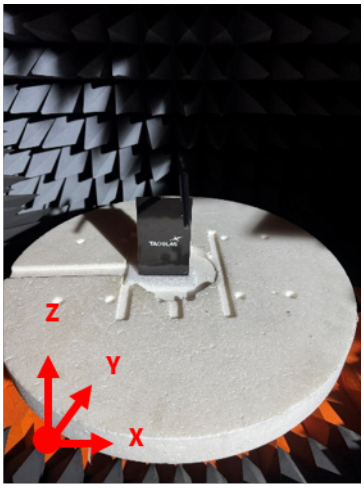




Free Space

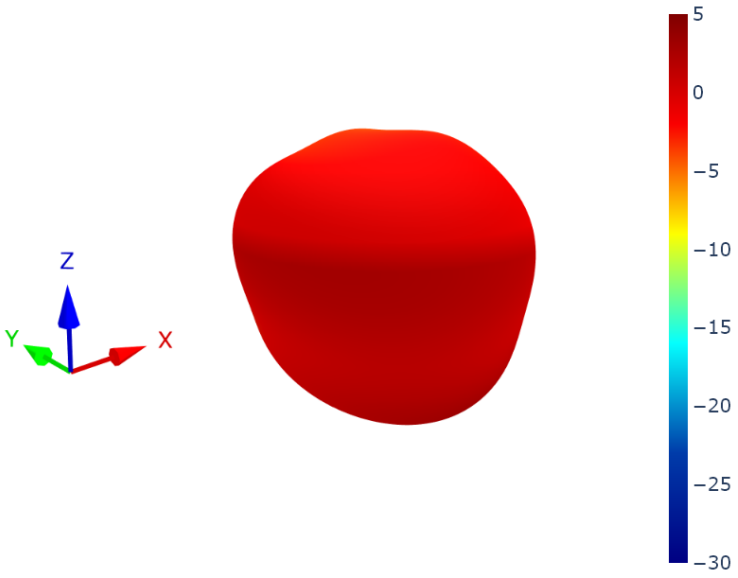


15x9cm Ground Plane

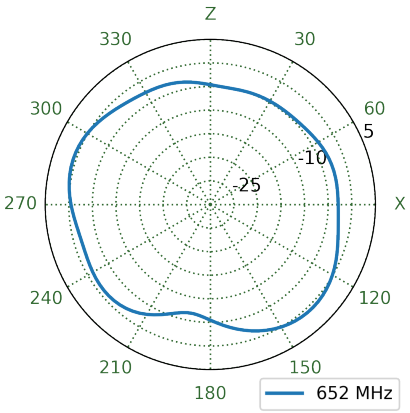


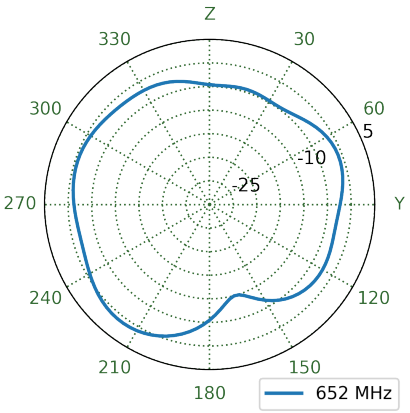
9x15cm Ground Plane

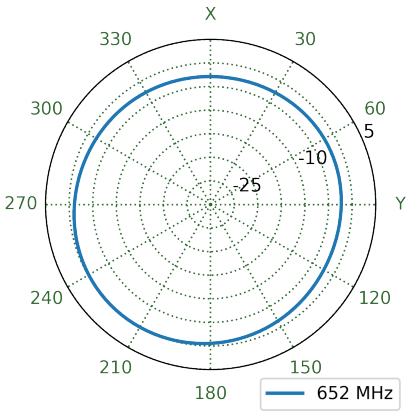
6.3 15x9cm - Bent Patterns at 652 MHz



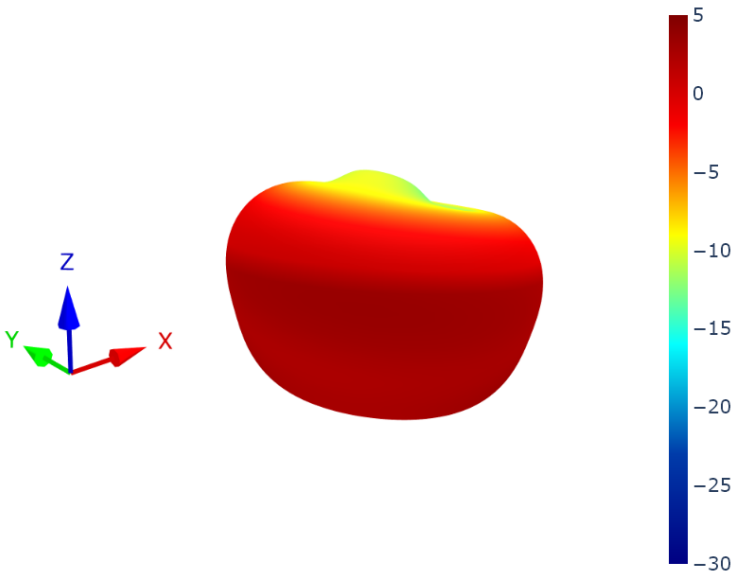
XZ Plane	YZ Plane	XY Plane

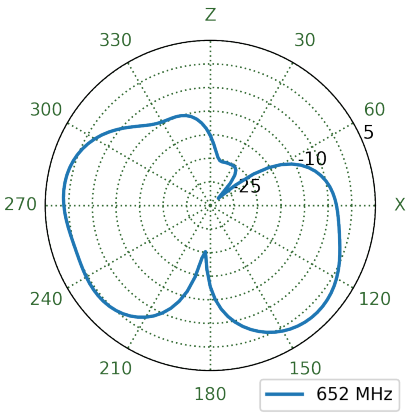
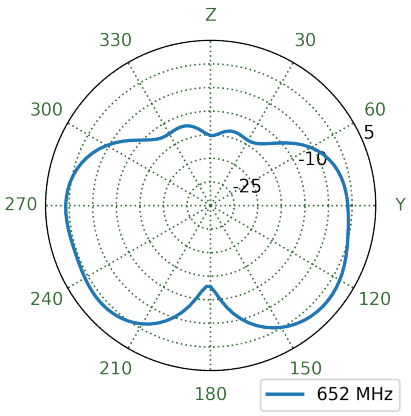
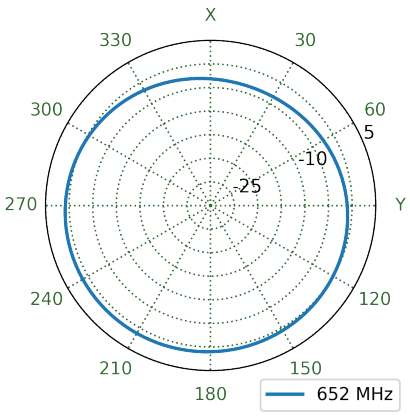




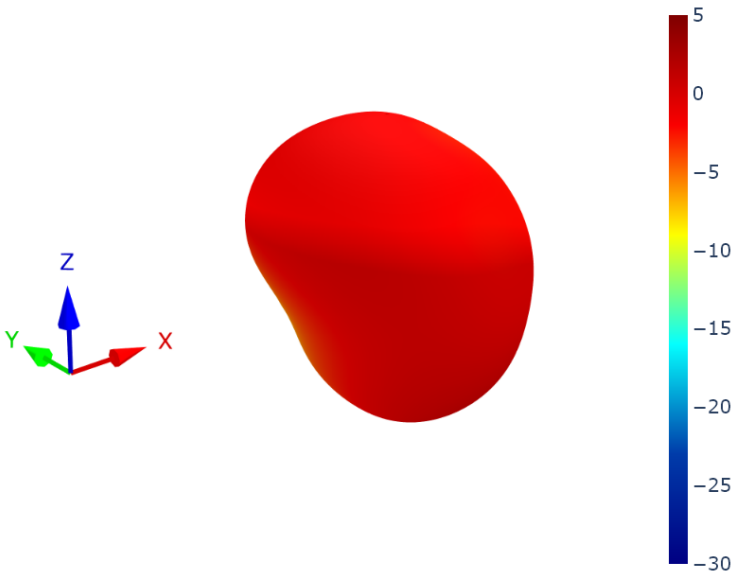


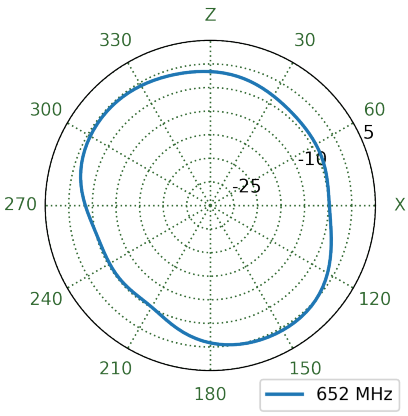
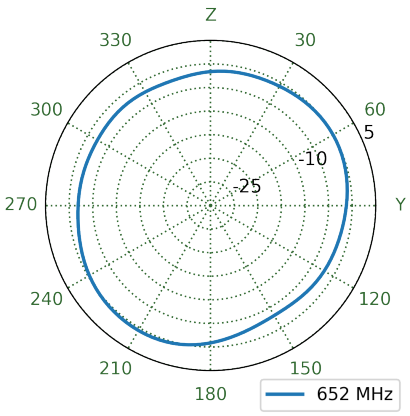
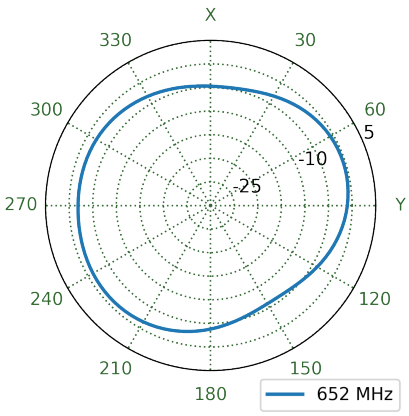
6.4 15x9cm - Straight Patterns at 652 MHz



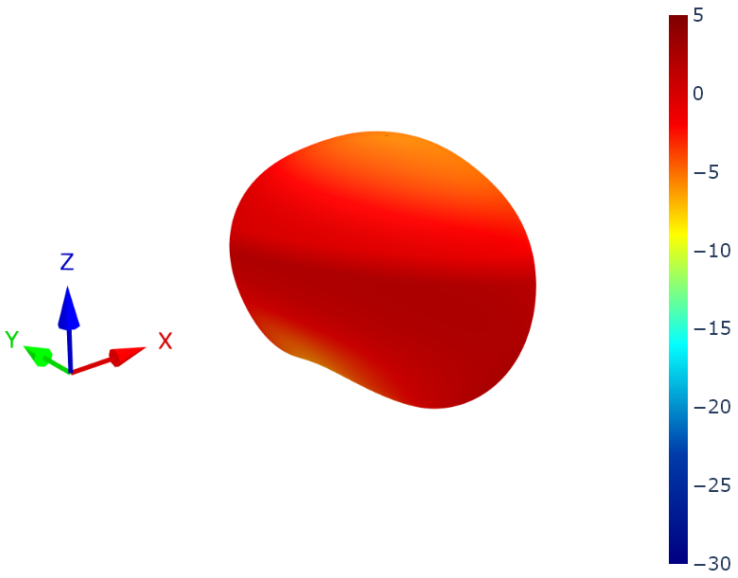
XZ Plane	YZ Plane	XY Plane
		

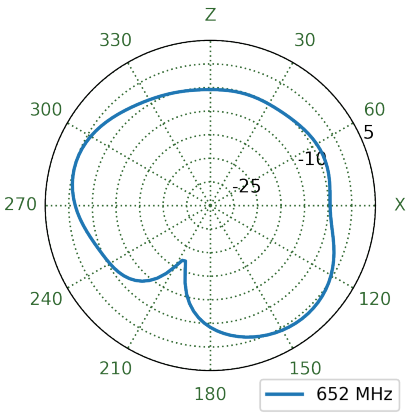
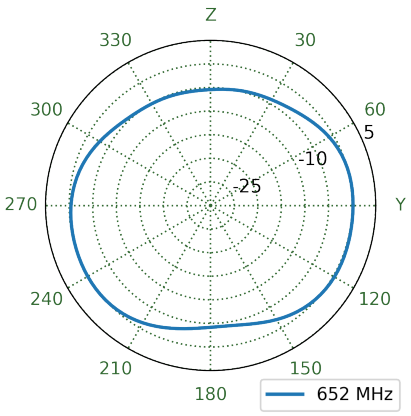
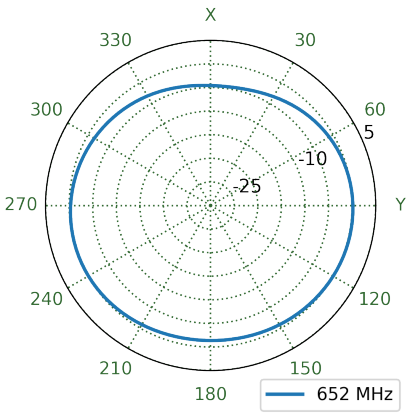
6.5 9x15cm - Bent Patterns at 652 MHz



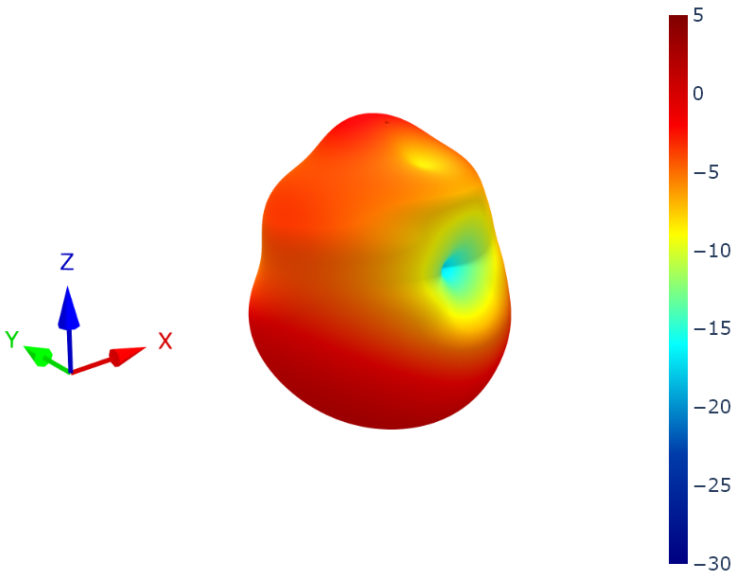
XZ Plane	YZ Plane	XY Plane
		

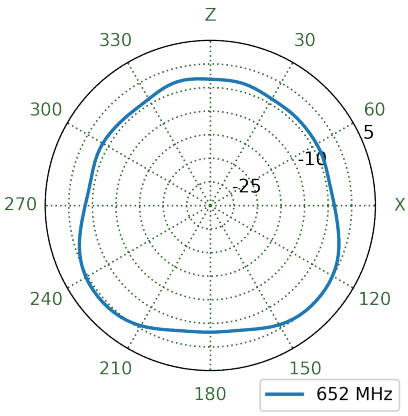
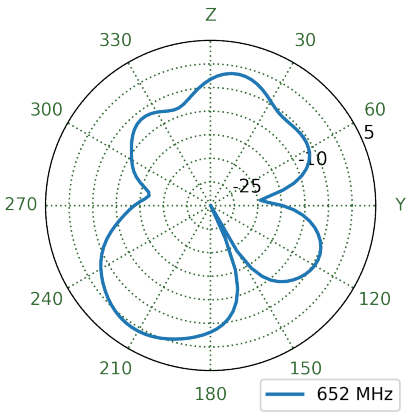
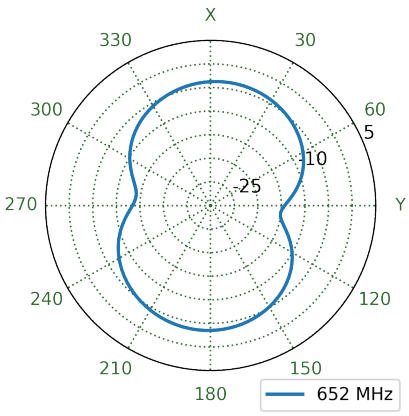
6.6 9x15cm - Straight Patterns at 652 MHz



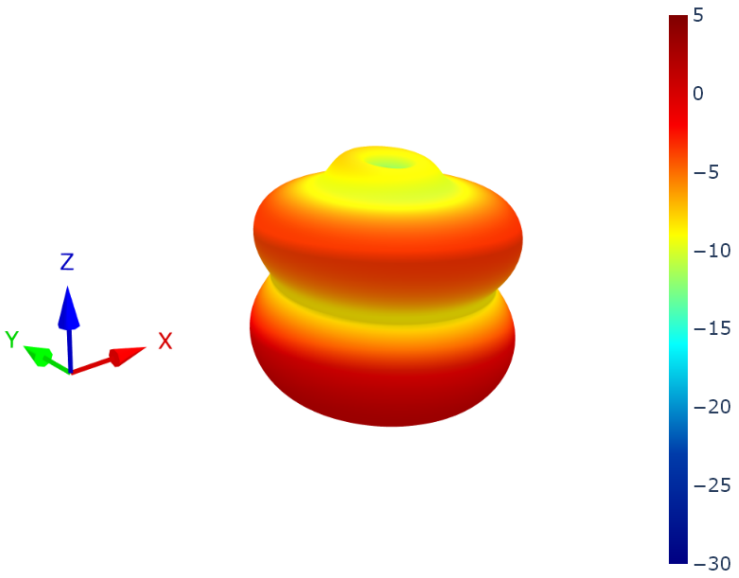
XZ Plane	YZ Plane	XY Plane
		

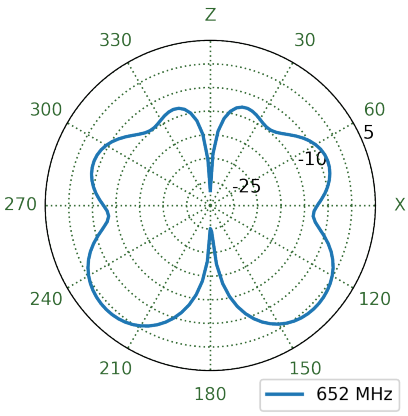
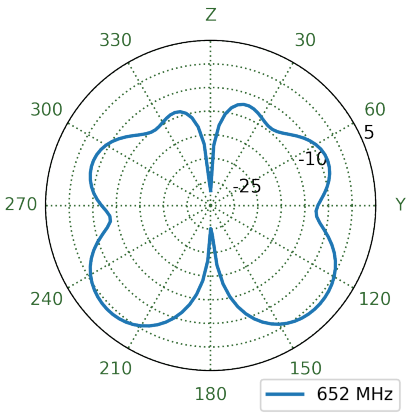
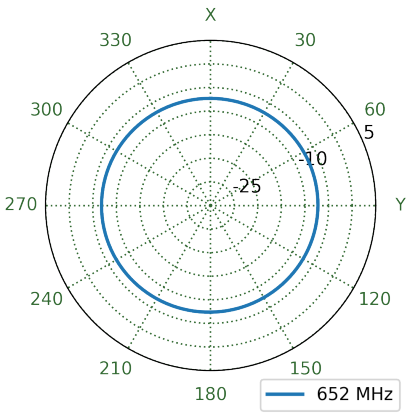
6.7 Free Space - Bent Patterns at 652 MHz



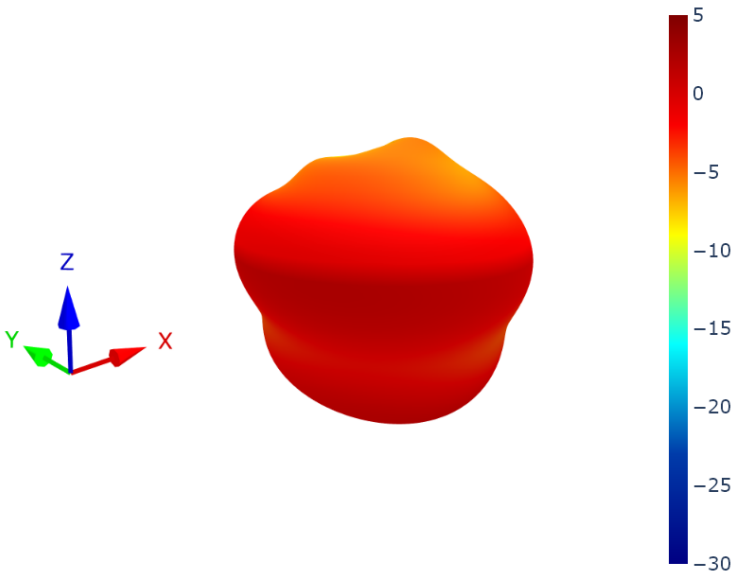
XZ Plane	YZ Plane	XY Plane
		

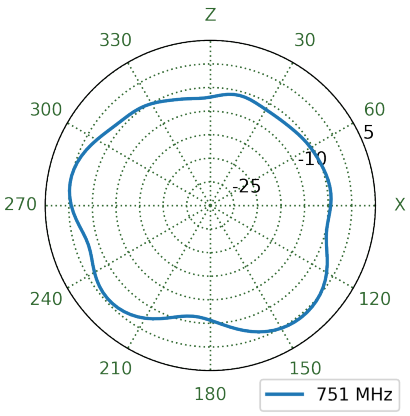
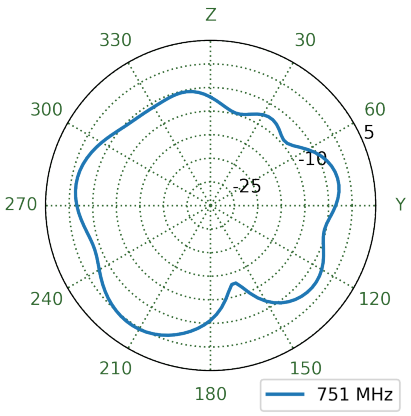
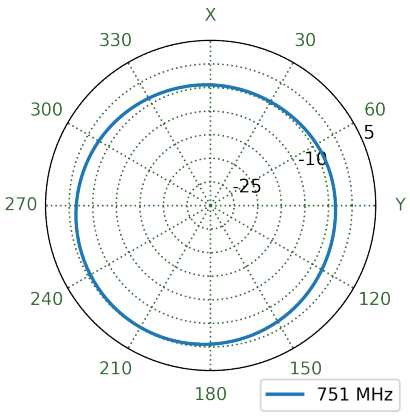
6.8 Free Space - Straight Patterns at 652 MHz



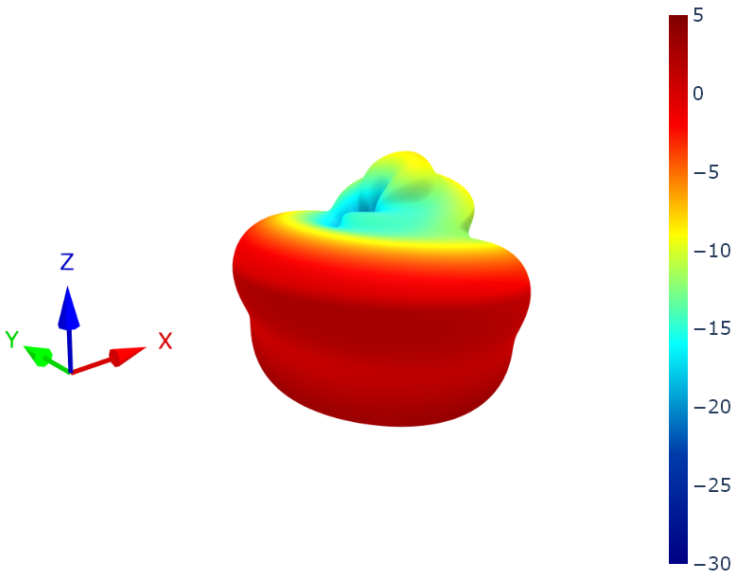
XZ Plane	YZ Plane	XY Plane
		

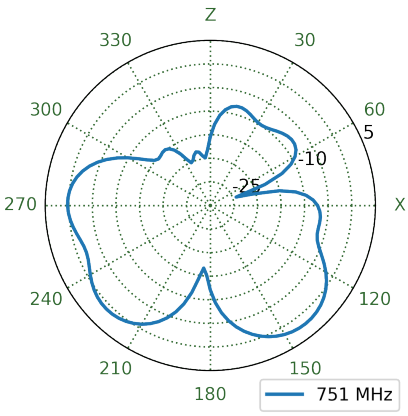
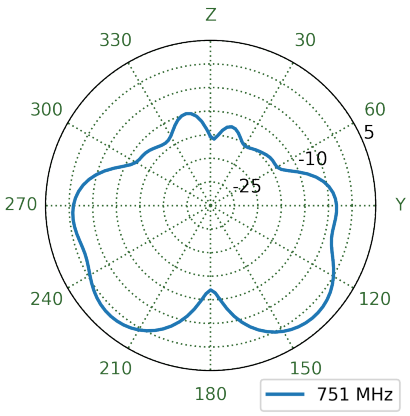
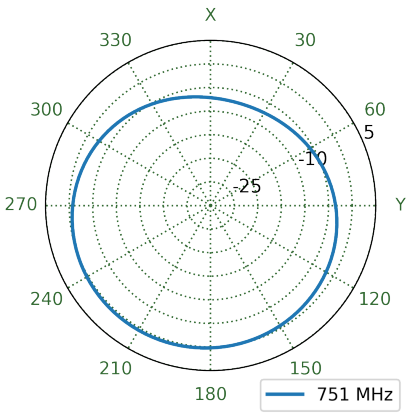
6.9 15x9cm - Bent Patterns at 751 MHz



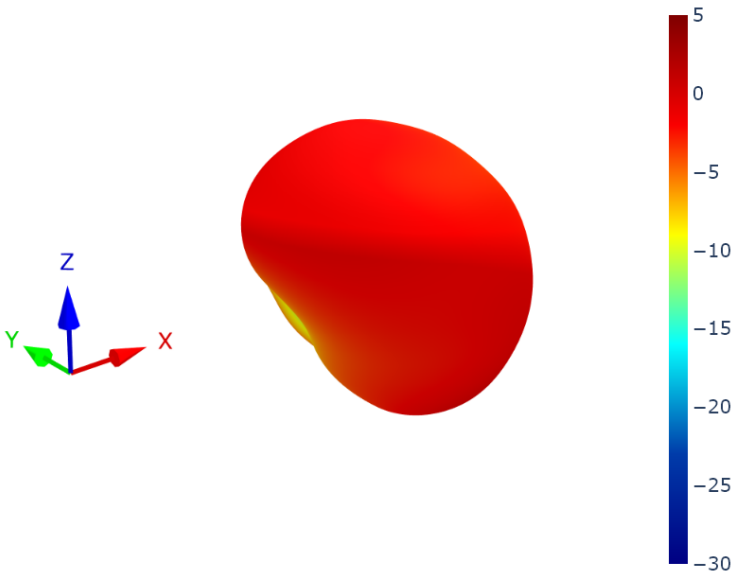
XZ Plane	YZ Plane	XY Plane
		

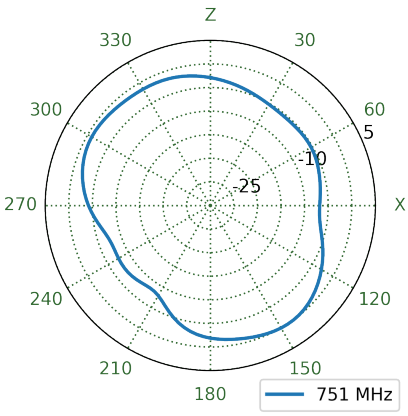
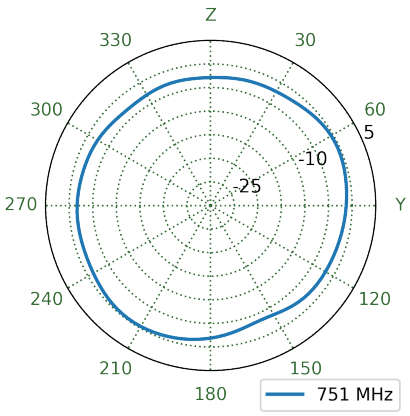
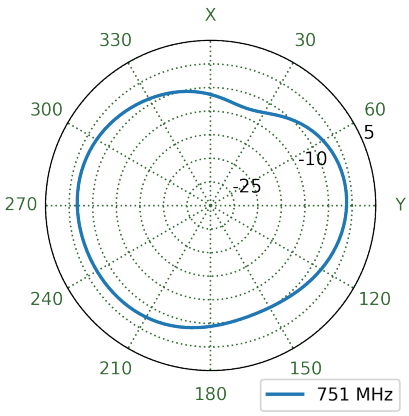
6.10 15x9cm - Straight Patterns at 751 MHz



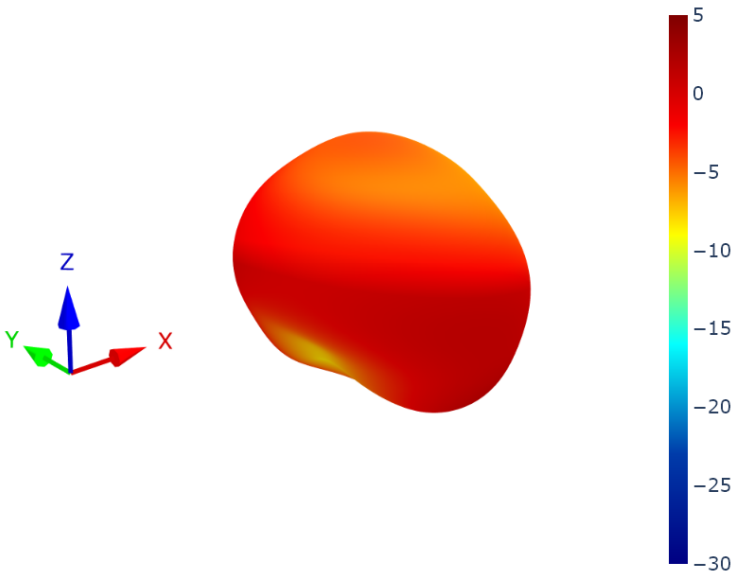
XZ Plane	YZ Plane	XY Plane
		

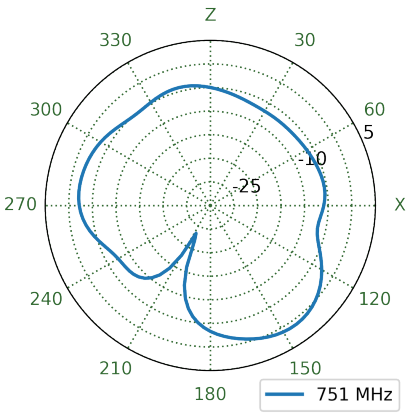
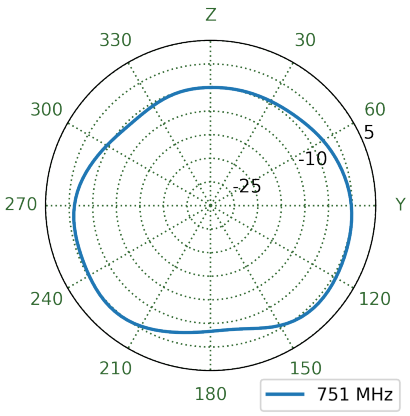
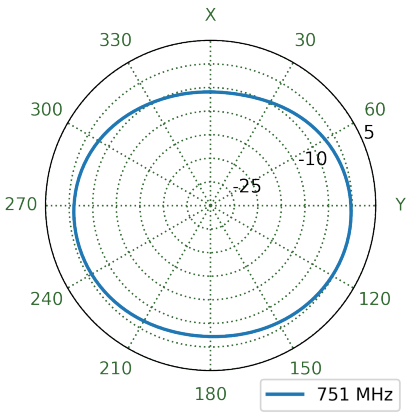
6.11 9x15cm - Bent Patterns at 751 MHz



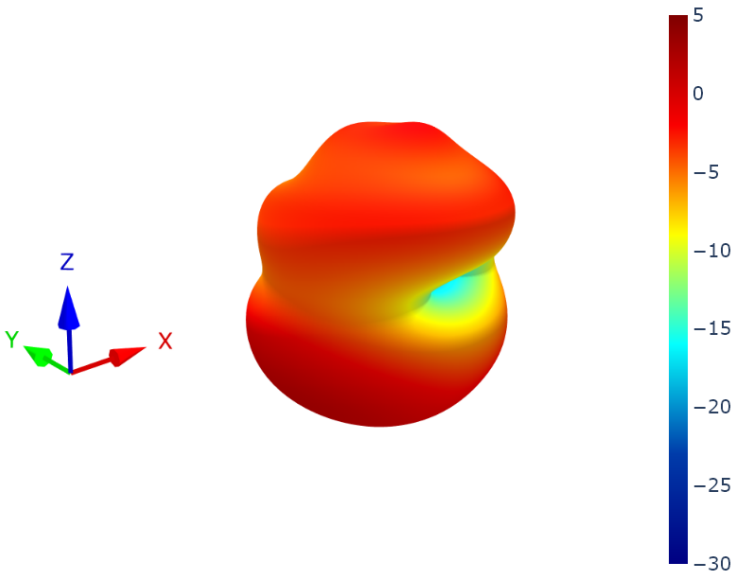
XZ Plane	YZ Plane	XY Plane
		

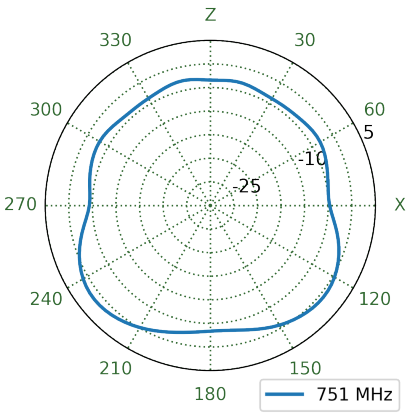
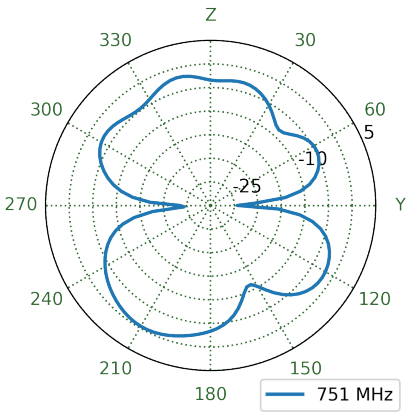
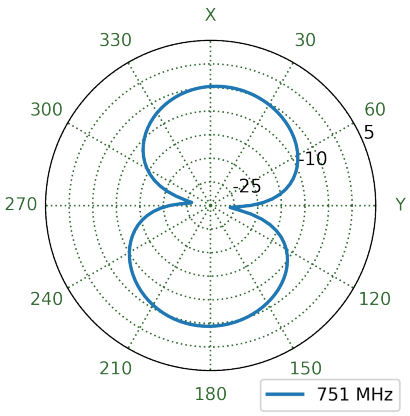
6.12 9x15cm - Straight Patterns at 751 MHz



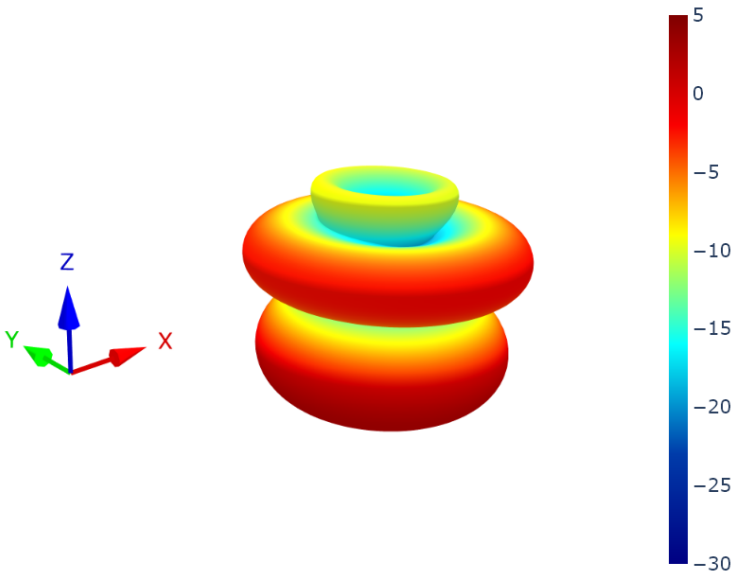
XZ Plane	YZ Plane	XY Plane
		

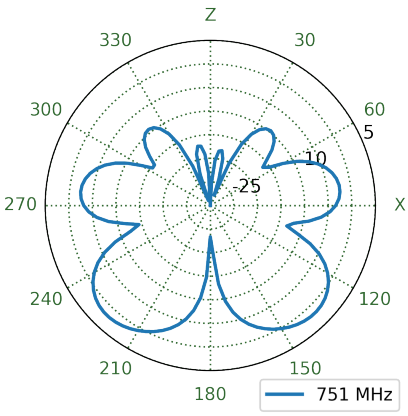
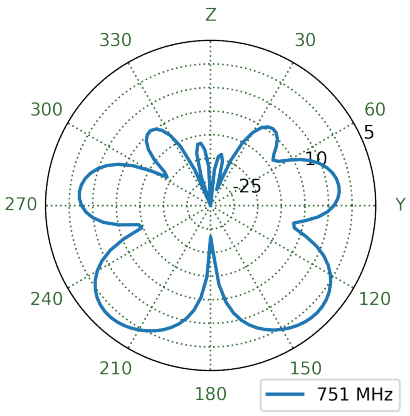
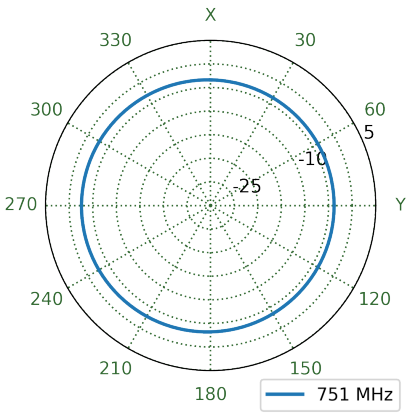
6.13 Free Space - Bent Patterns at 751 MHz



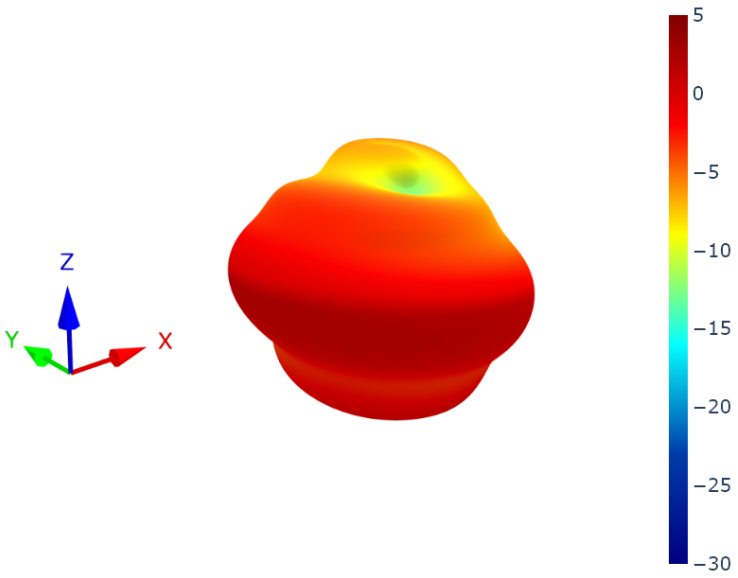
XZ Plane	YZ Plane	XY Plane
		

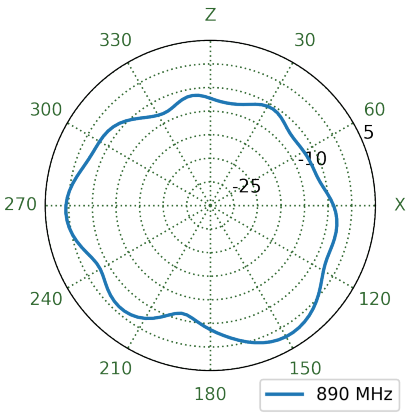
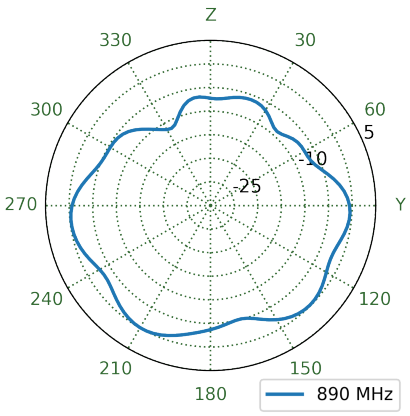
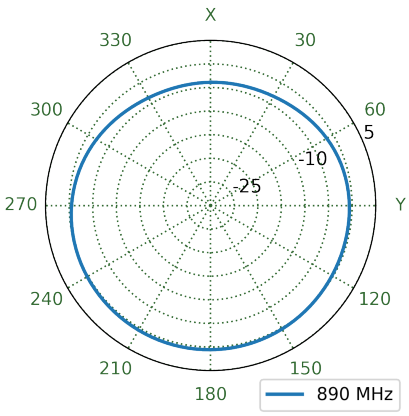
6.14 Free Space - Straight Patterns at 751 MHz



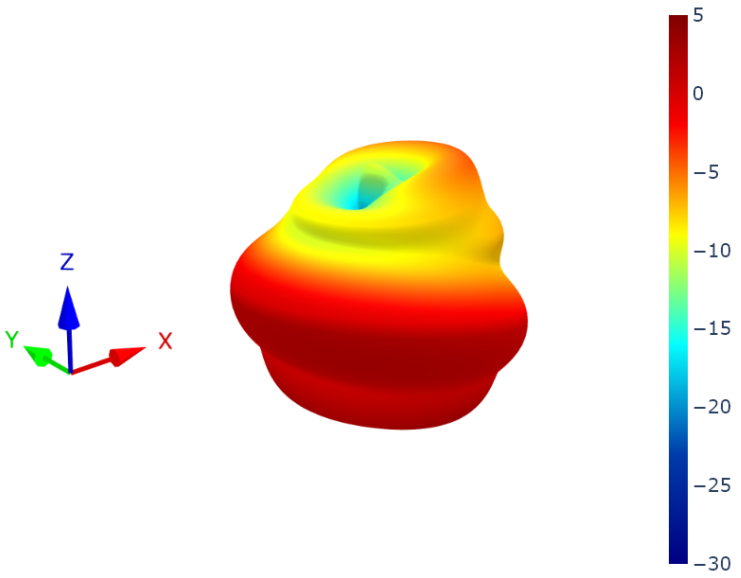
XZ Plane	YZ Plane	XY Plane
		

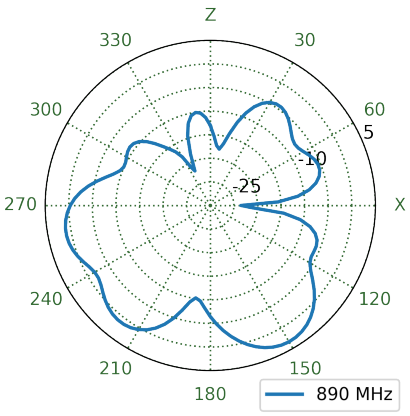
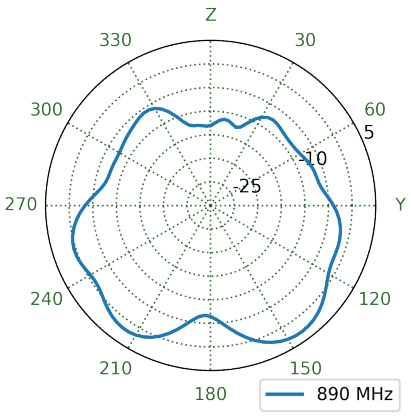
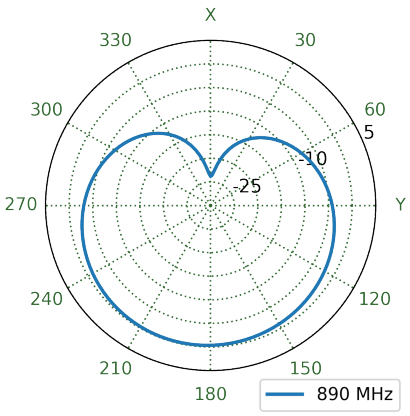
6.15 15x9cm - Bent Patterns at 890 MHz



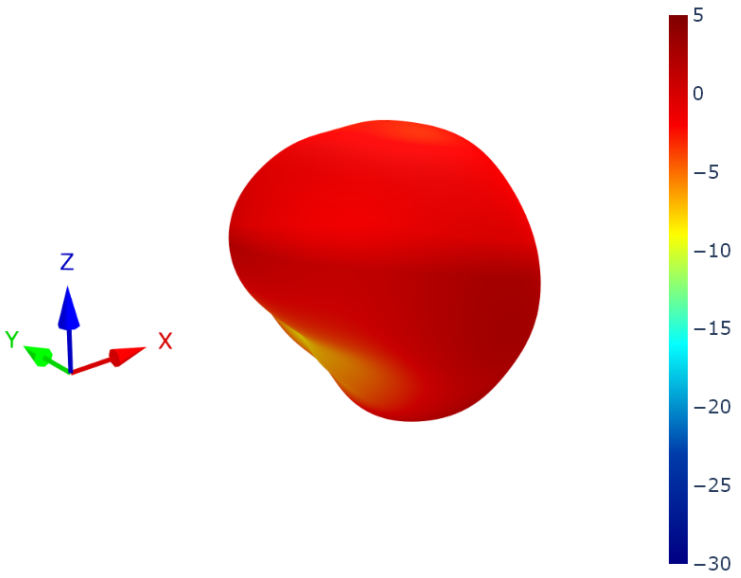
XZ Plane	YZ Plane	XY Plane
		

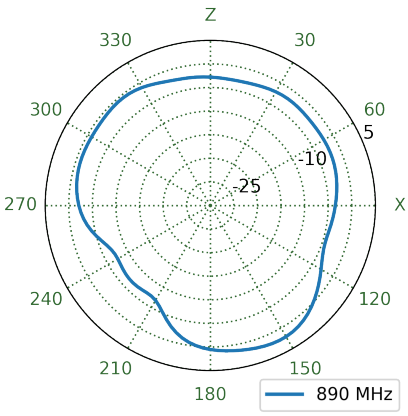
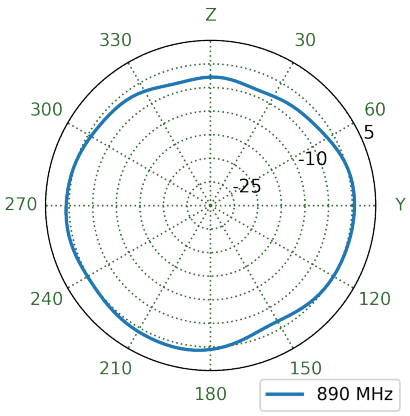
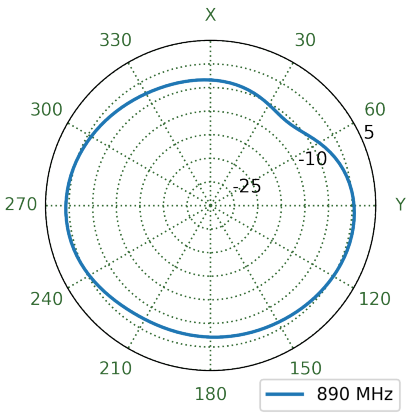
6.16 15x9cm - Straight Patterns at 890 MHz



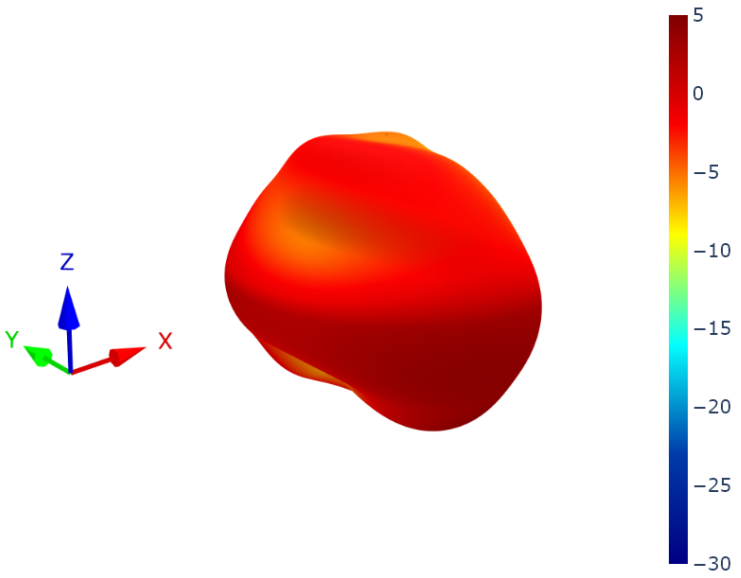
XZ Plane	YZ Plane	XY Plane
		

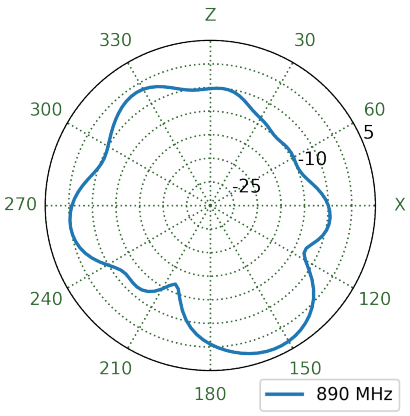
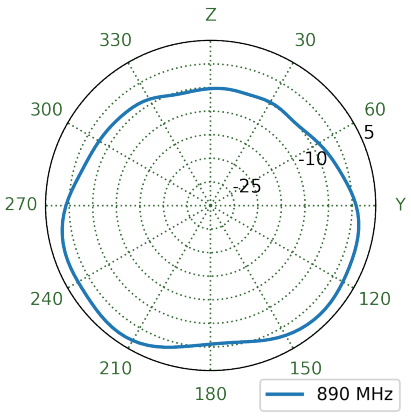
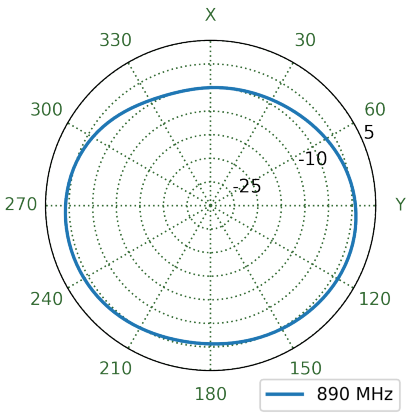
6.17 9x15cm - Bent Patterns at 890 MHz



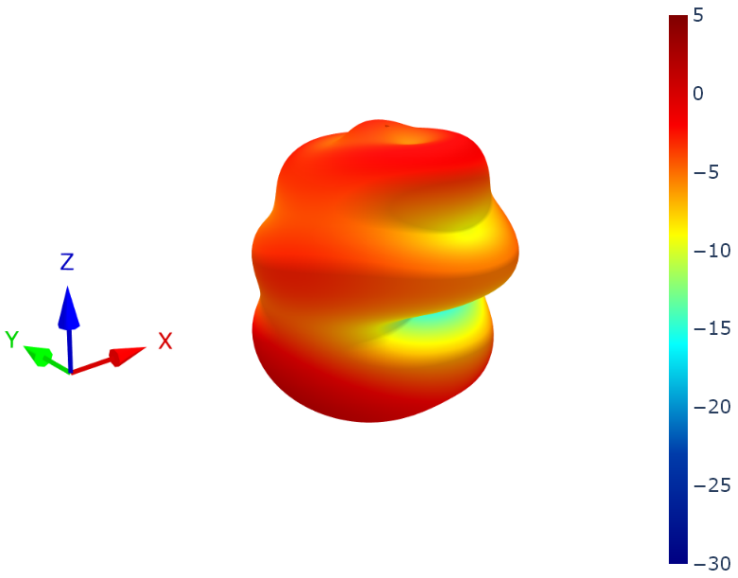
XZ Plane	YZ Plane	XY Plane
		

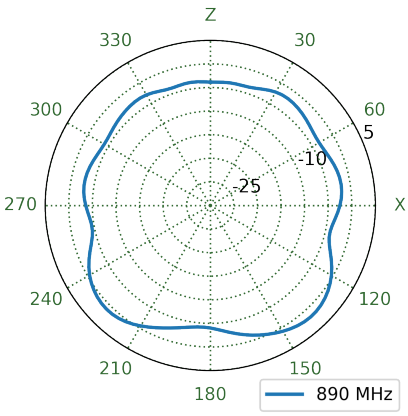
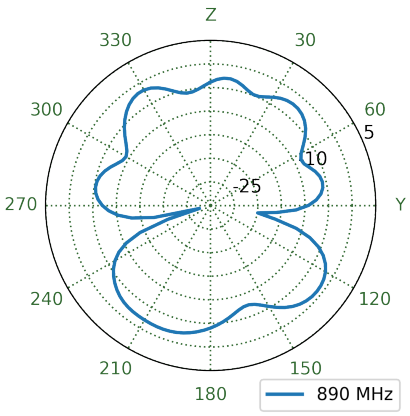
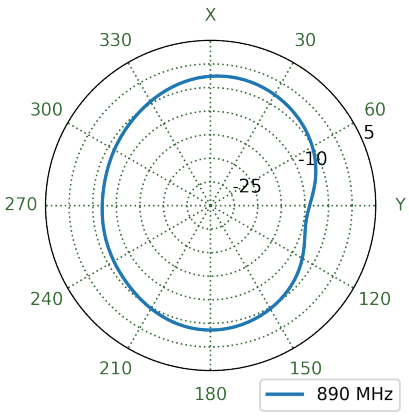
6.18 9x15cm - Straight Patterns at 890 MHz



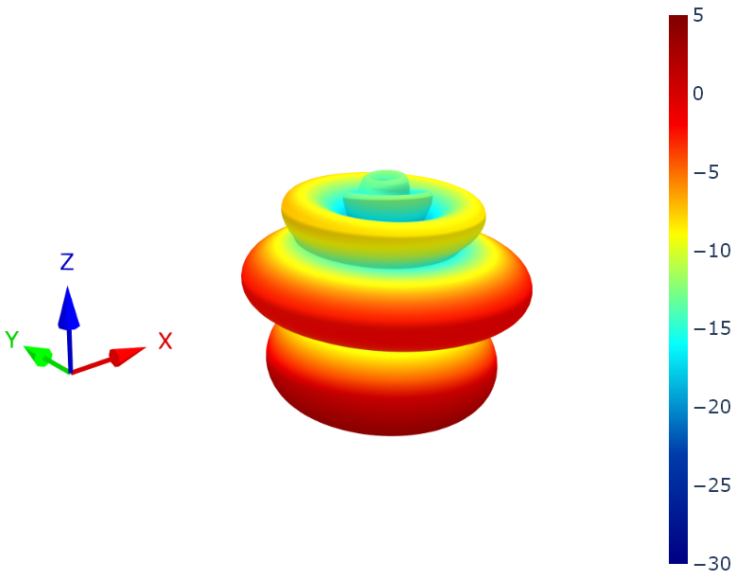
XZ Plane	YZ Plane	XY Plane
		

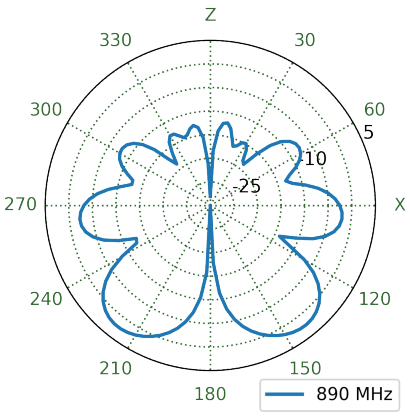
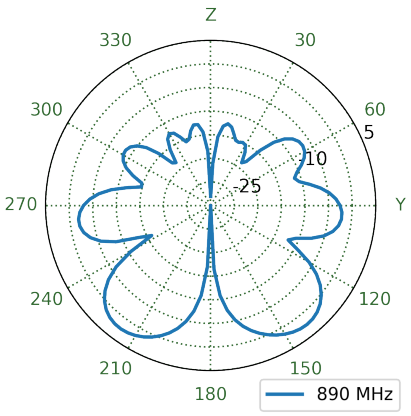
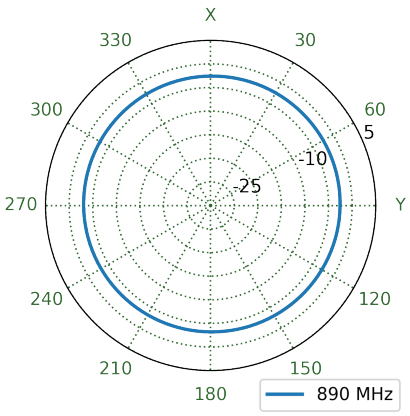
6.19 Free Space - Bent Patterns at 890 MHz



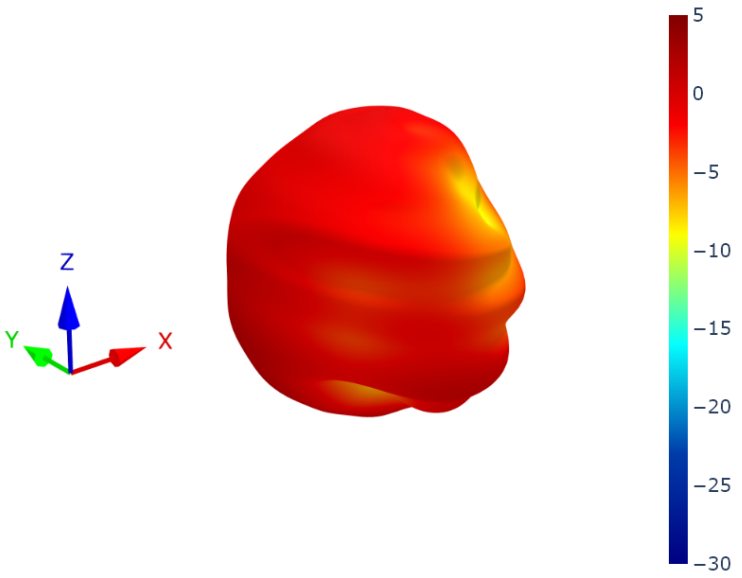
XZ Plane	YZ Plane	XY Plane
		

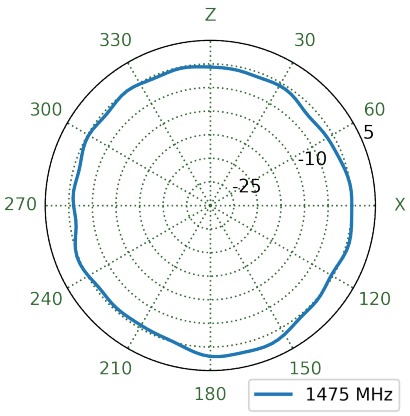
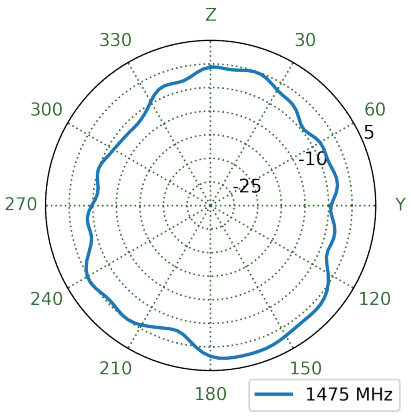
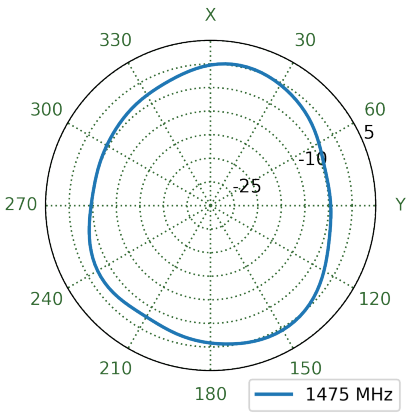
6.20 Free Space - Straight Patterns at 890 MHz



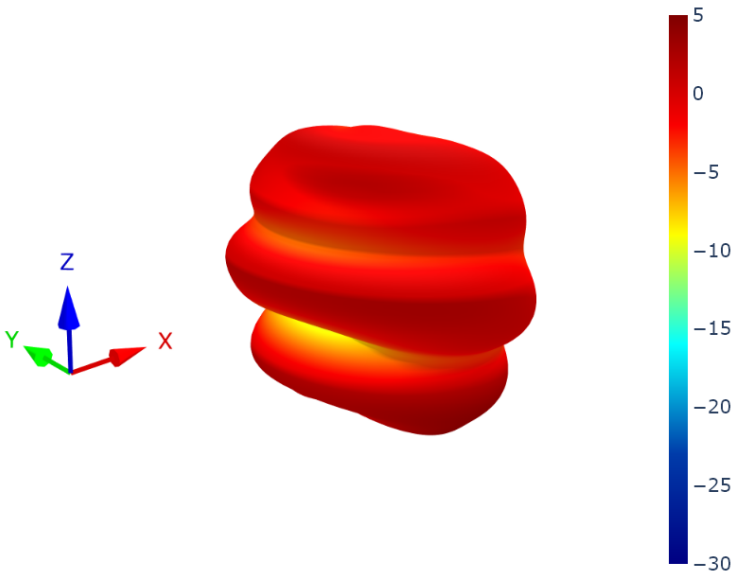
XZ Plane	YZ Plane	XY Plane
		

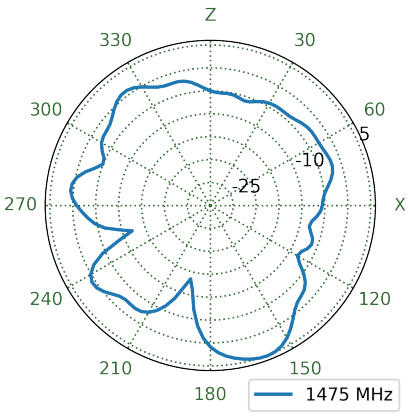
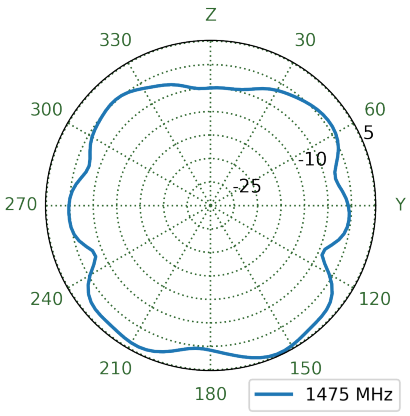
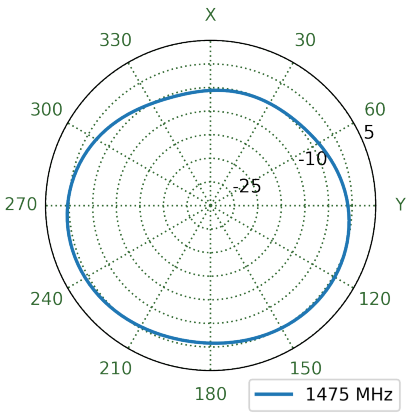
6.21 15x9cm - Bent Patterns at 1475 MHz



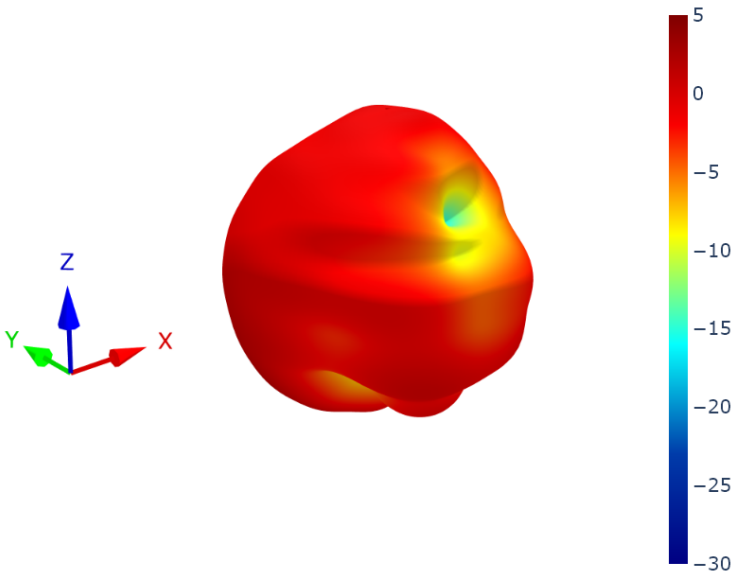
XZ Plane	YZ Plane	XY Plane
		

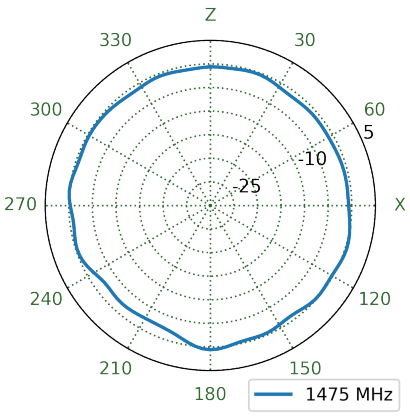
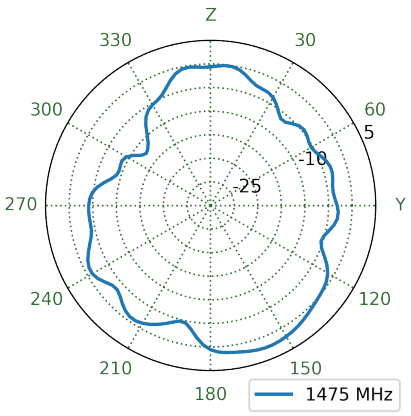
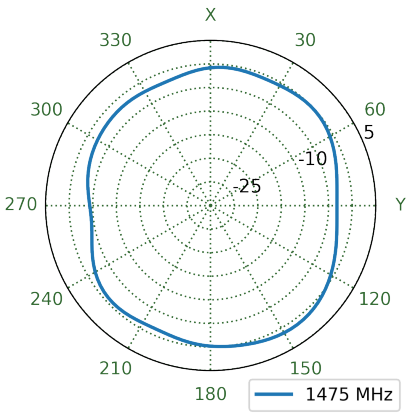
6.22 15x9cm - Straight Patterns at 1475 MHz



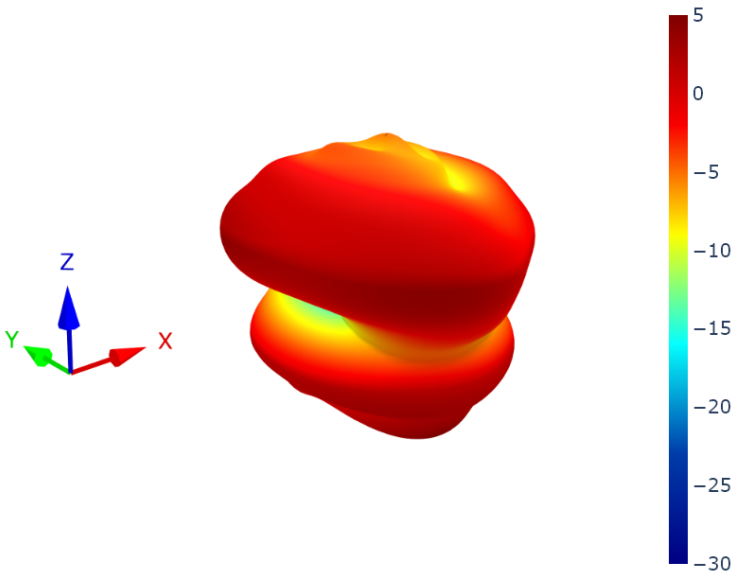
XZ Plane	YZ Plane	XY Plane
		

6.23 9x15cm - Bent Patterns at 1475 MHz

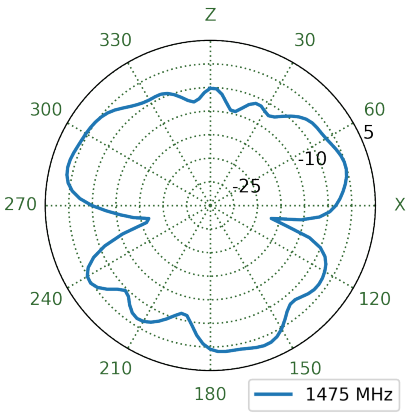


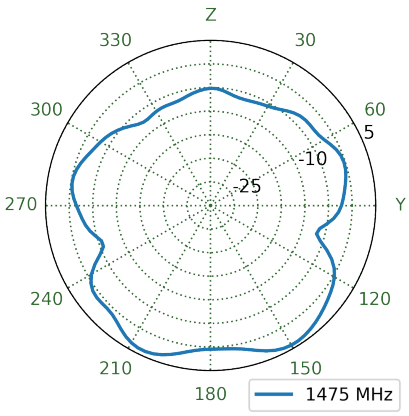
XZ Plane	YZ Plane	XY Plane
		

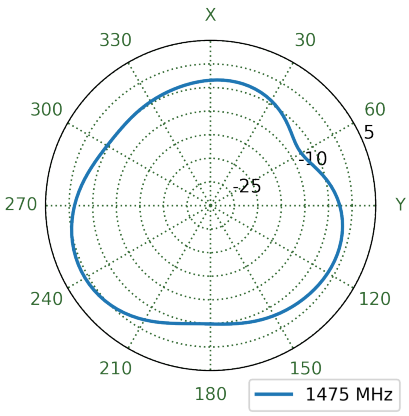
6.24 9x15cm - Straight Patterns at 1475 MHz



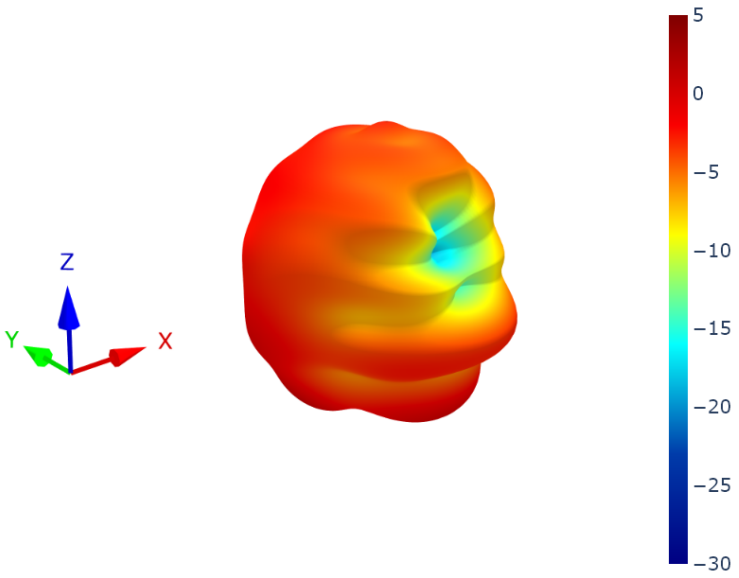
XZ Plane	YZ Plane	XY Plane

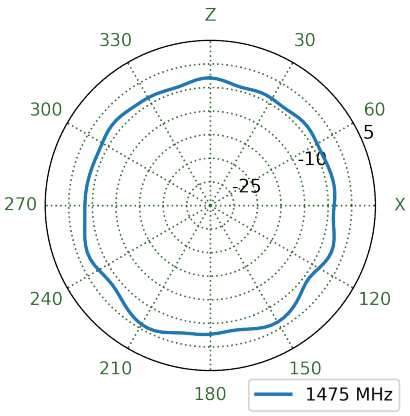
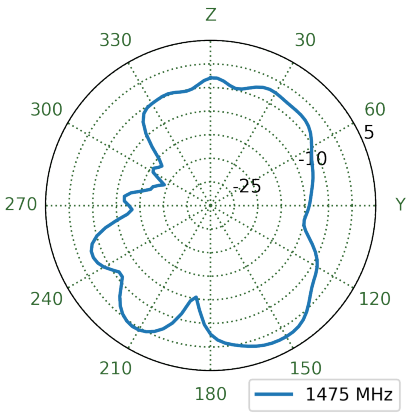
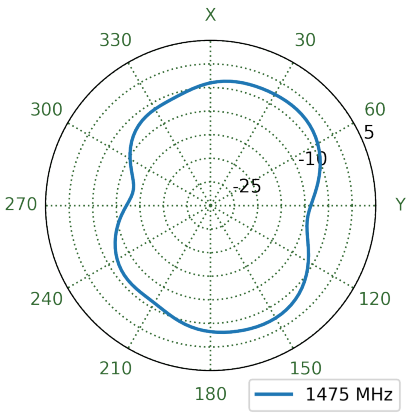




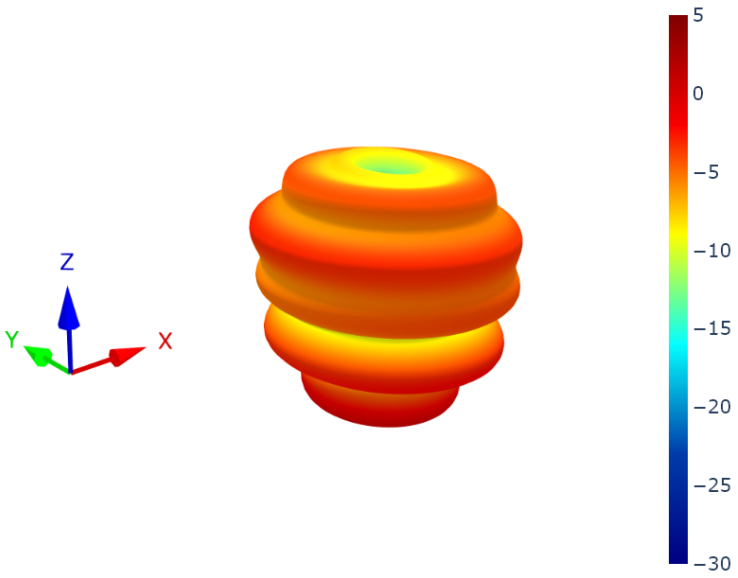


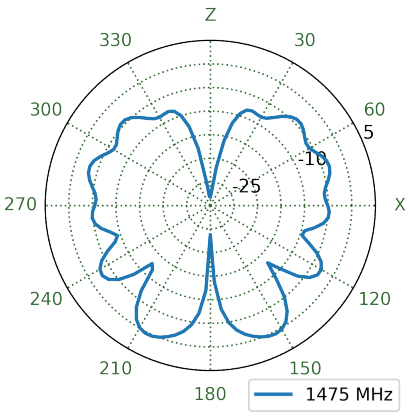
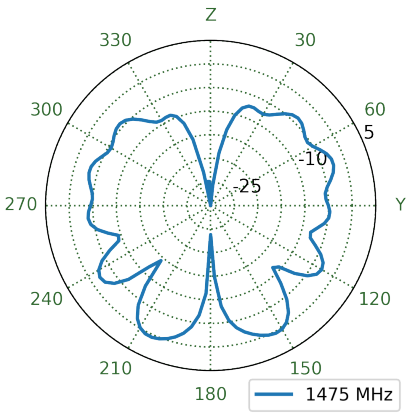
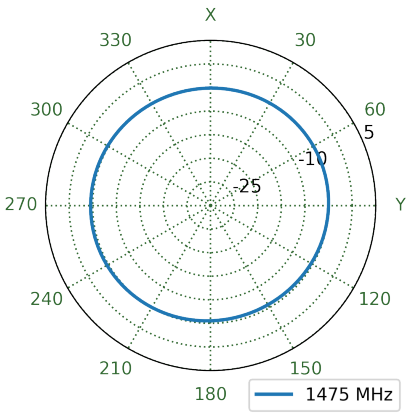
6.25 Free Space - Bent Patterns at 1475 MHz



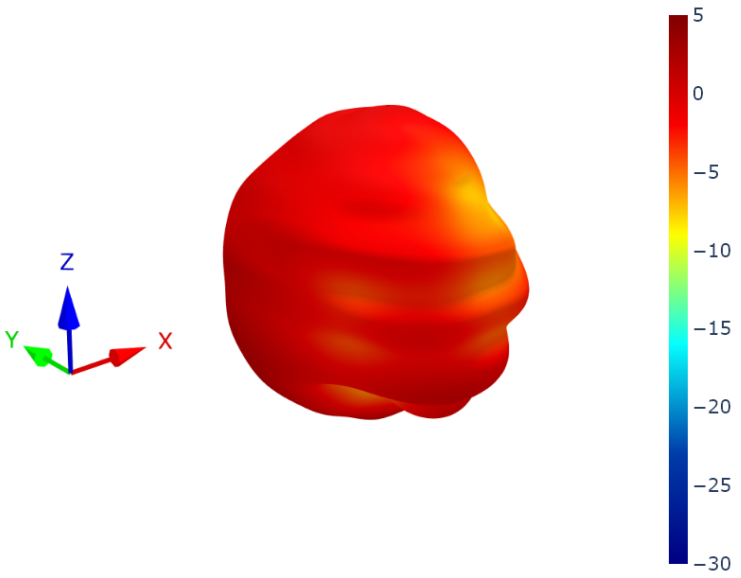
XZ Plane	YZ Plane	XY Plane
		

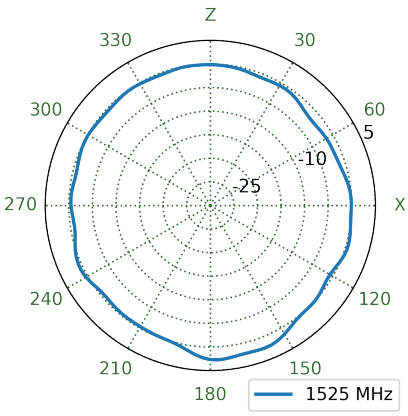
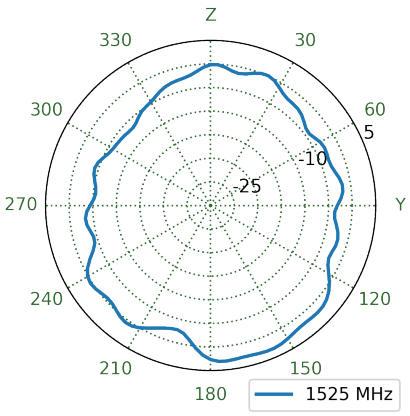
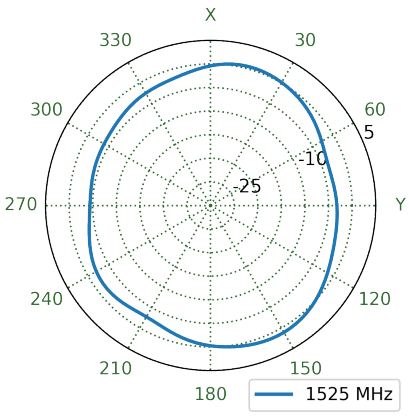
6.26 Free Space - Straight Patterns at 1475 MHz



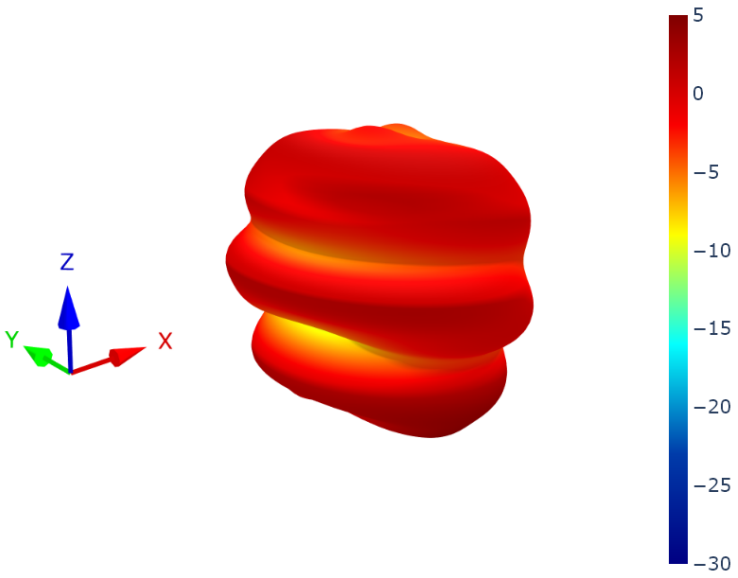
XZ Plane	YZ Plane	XY Plane
		

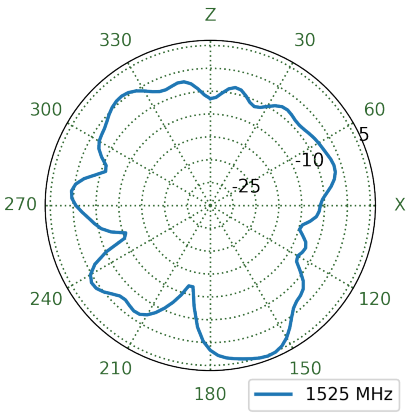
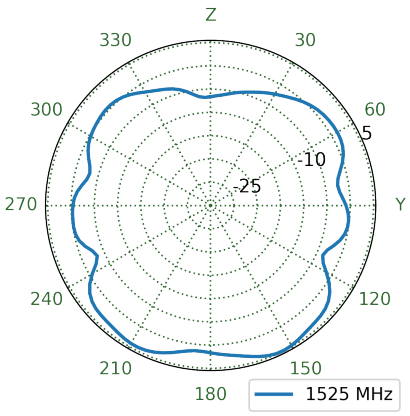
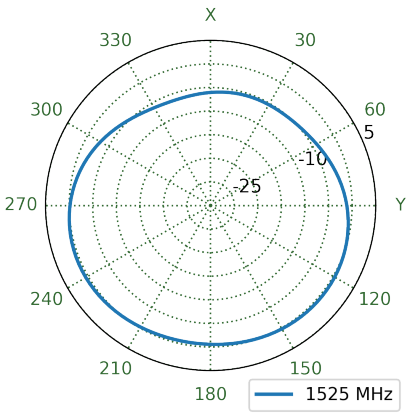
6.27 15x9cm - Bent Patterns at 1525 MHz



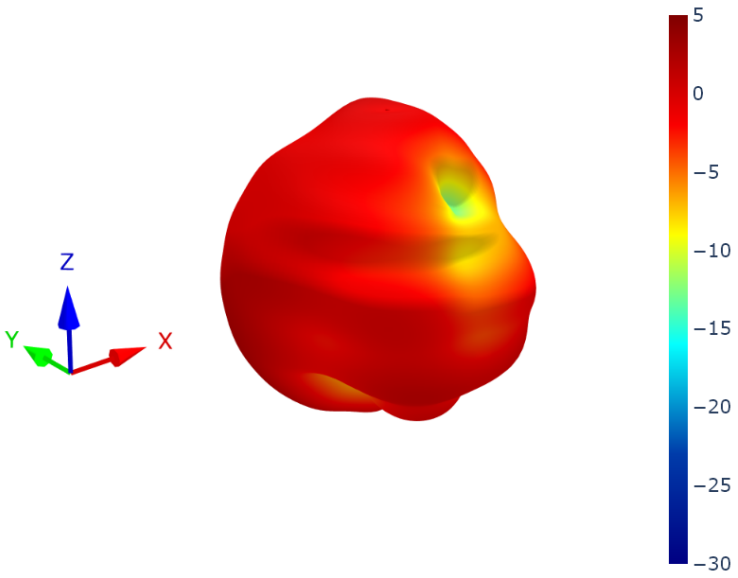
XZ Plane	YZ Plane	XY Plane
		

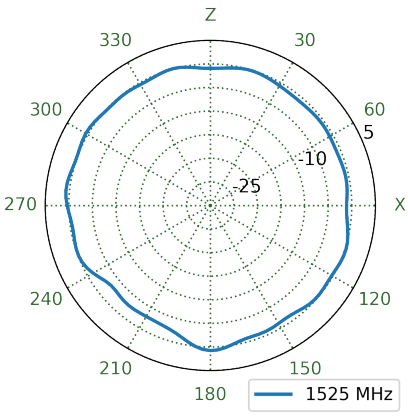
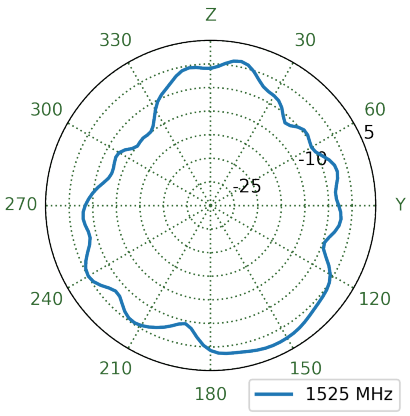
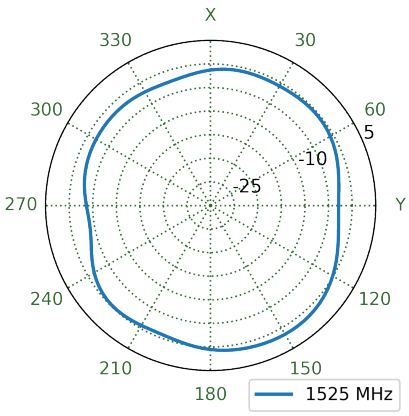
6.28 15x9cm - Straight Patterns at 1525 MHz



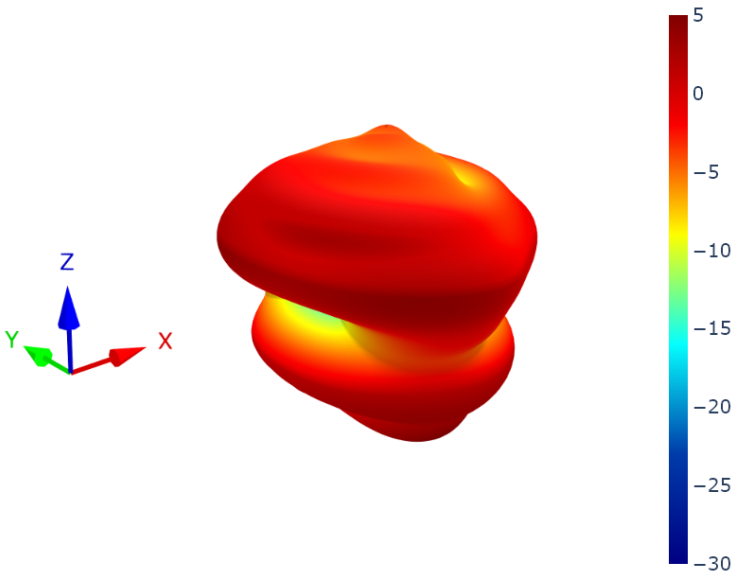
XZ Plane	YZ Plane	XY Plane
		

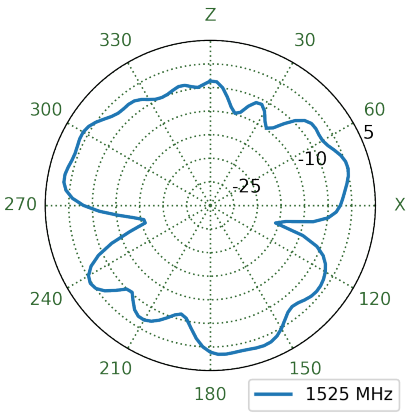
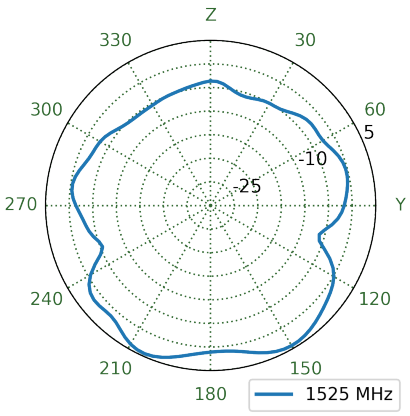
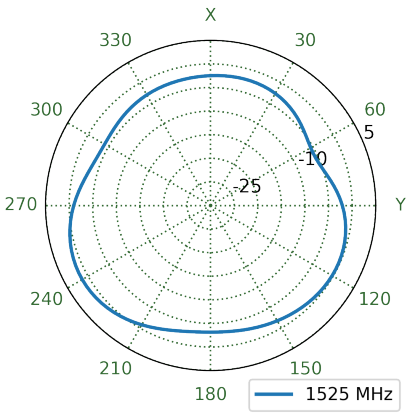
6.29 9x15cm - Bent Patterns at 1525 MHz



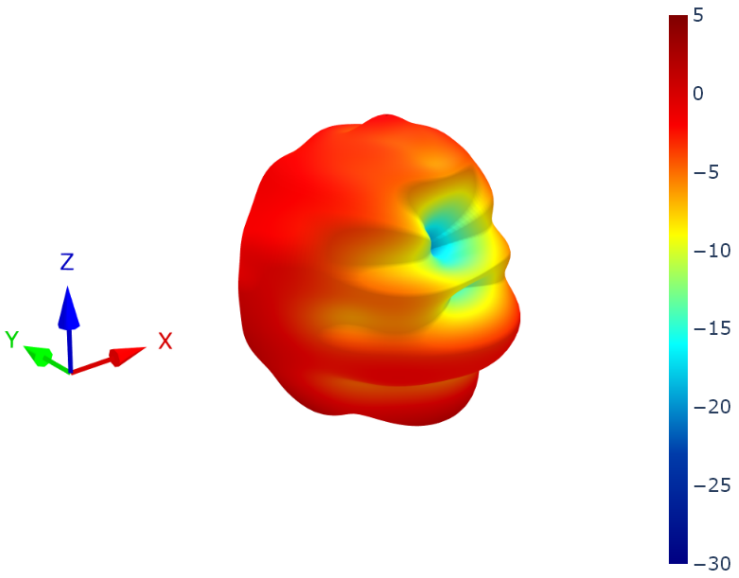
XZ Plane	YZ Plane	XY Plane
		

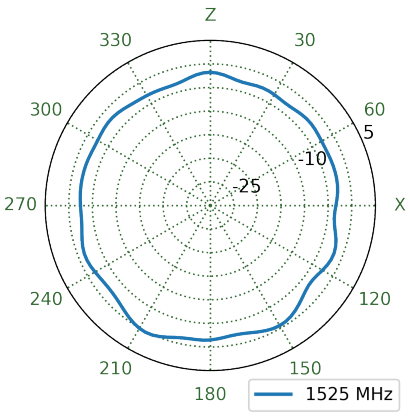
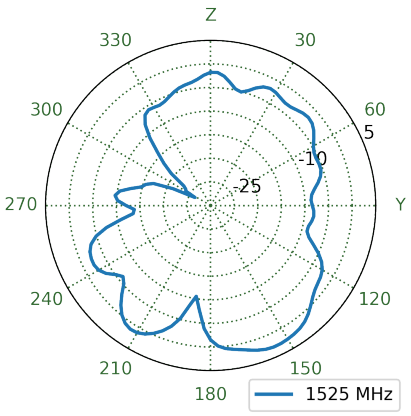
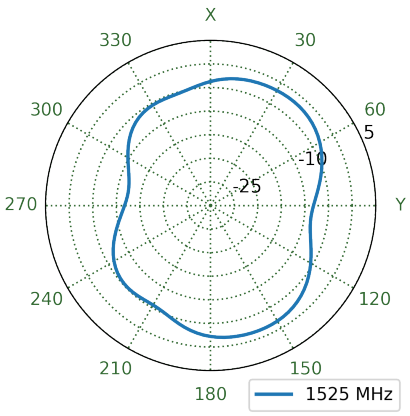
6.30 9x15cm - Straight Patterns at 1525 MHz



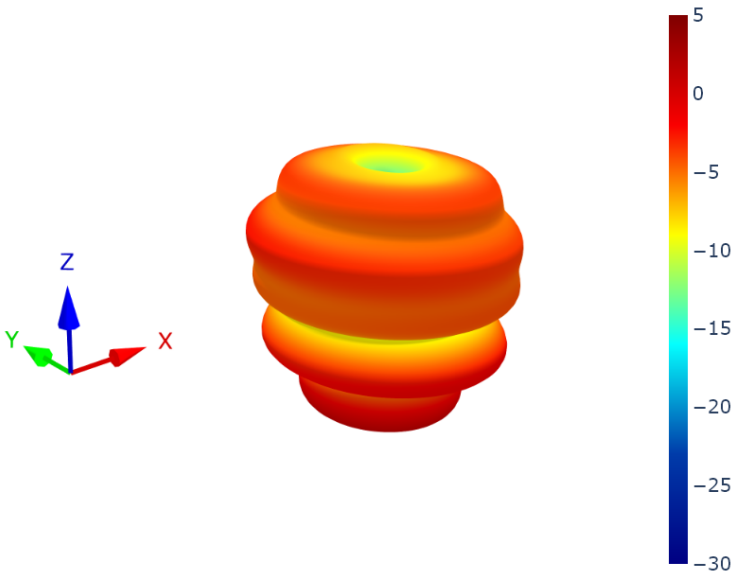
XZ Plane	YZ Plane	XY Plane
		

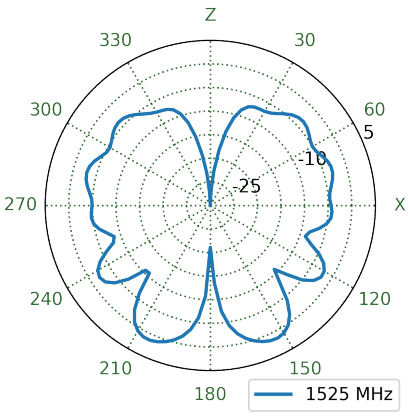
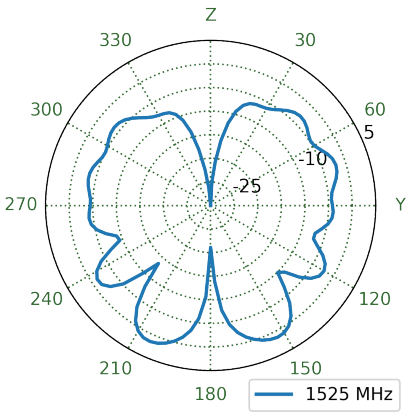
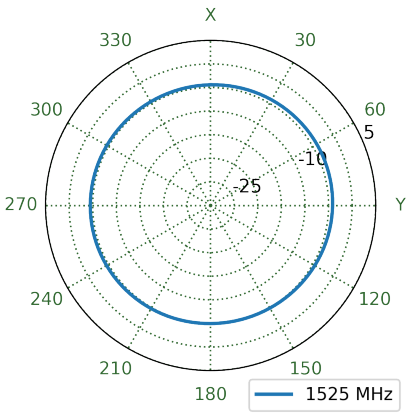
6.31 Free Space - Bent Patterns at 1525 MHz



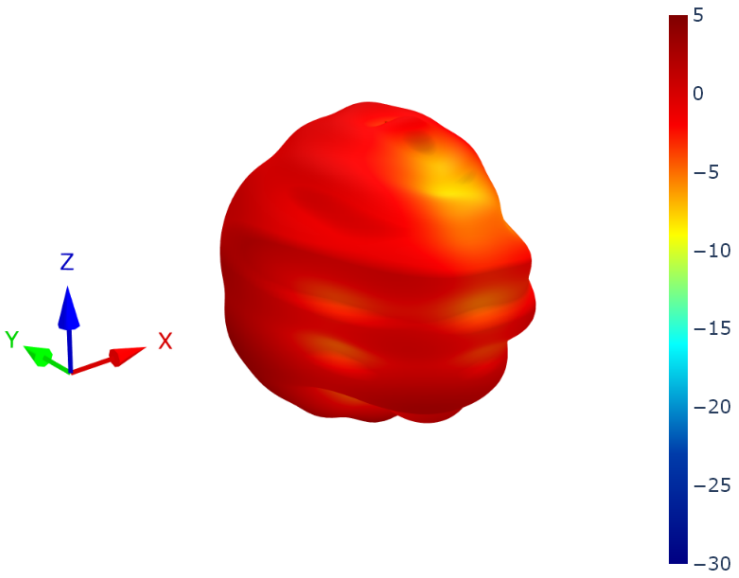
XZ Plane	YZ Plane	XY Plane
		

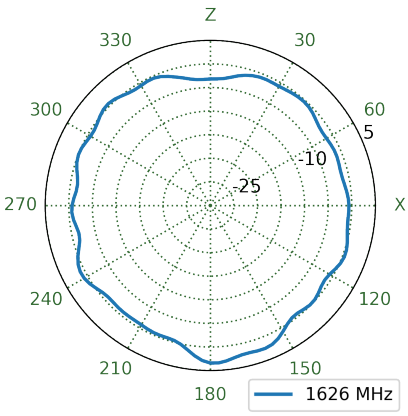
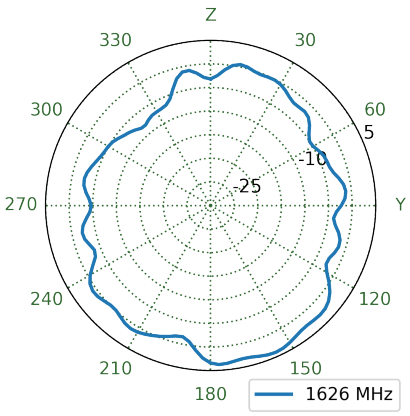
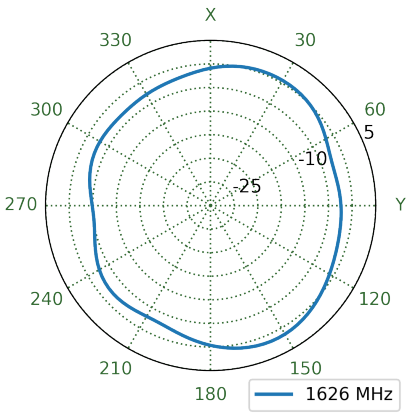
6.32 Free Space - Straight Patterns at 1525 MHz



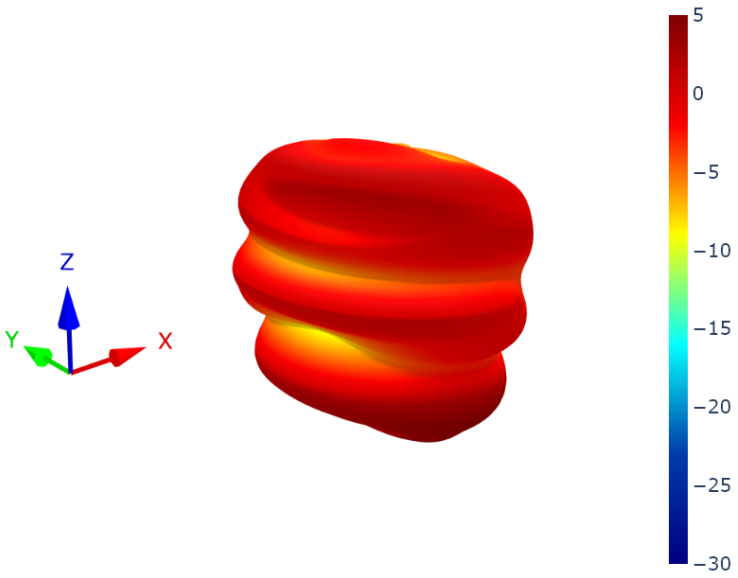
XZ Plane	YZ Plane	XY Plane
		

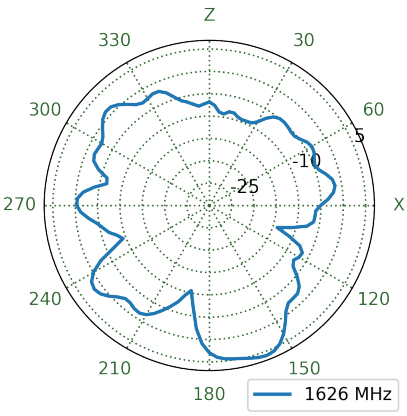
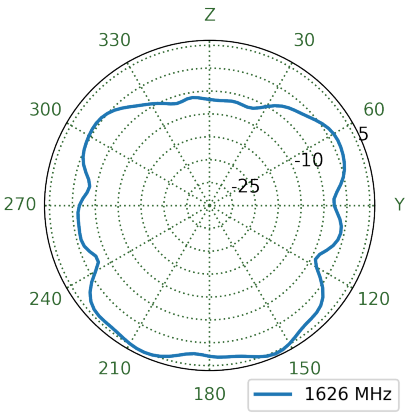
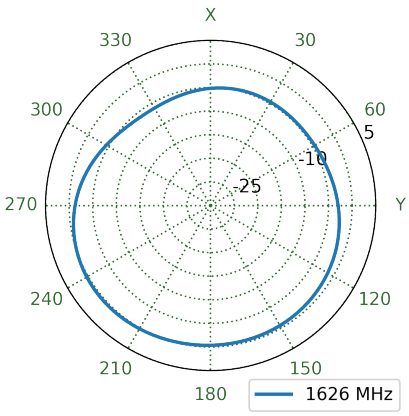
6.33 15x9cm - Bent Patterns at 1626 MHz



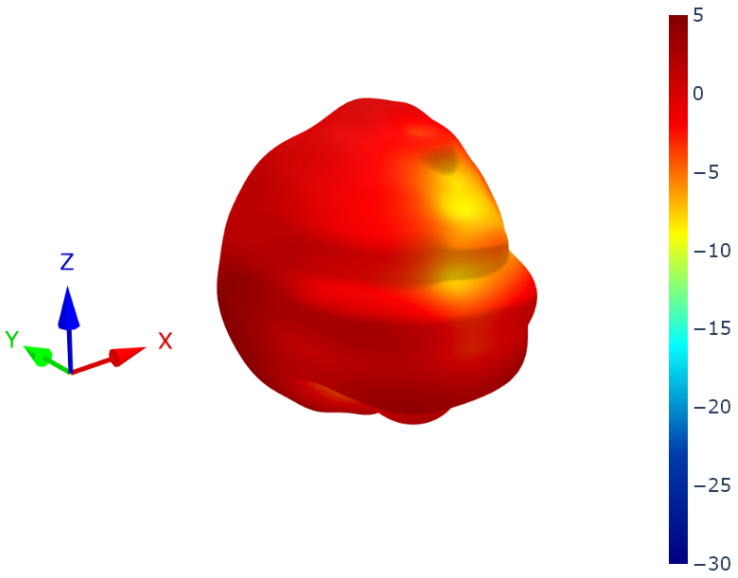
XZ Plane	YZ Plane	XY Plane
		

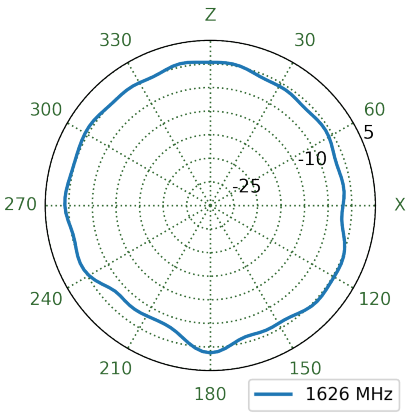
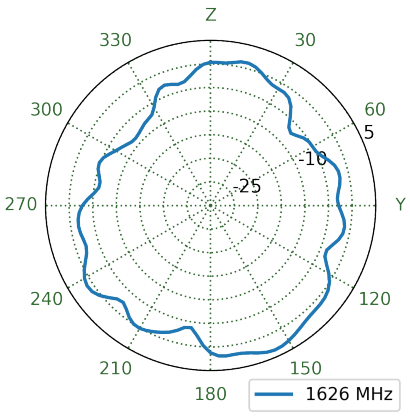
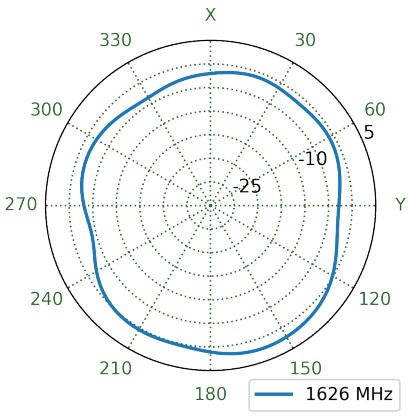
6.34 15x9cm - Straight Patterns at 1626 MHz



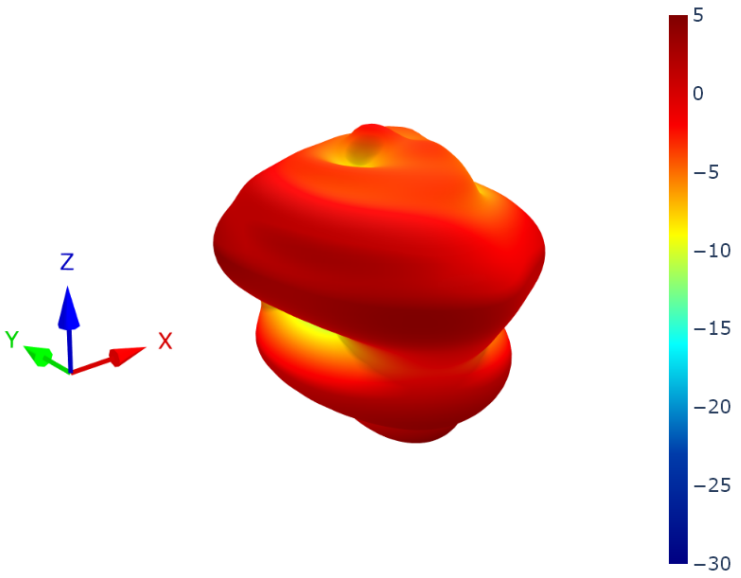
XZ Plane	YZ Plane	XY Plane
		

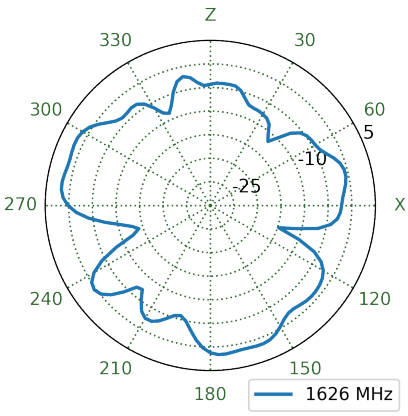
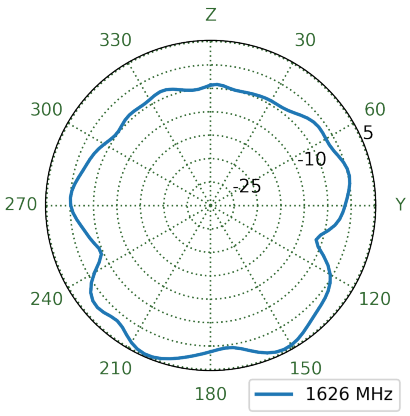
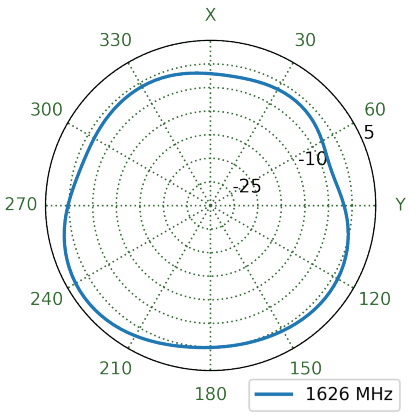
6.35 9x15cm - Bent Patterns at 1626 MHz



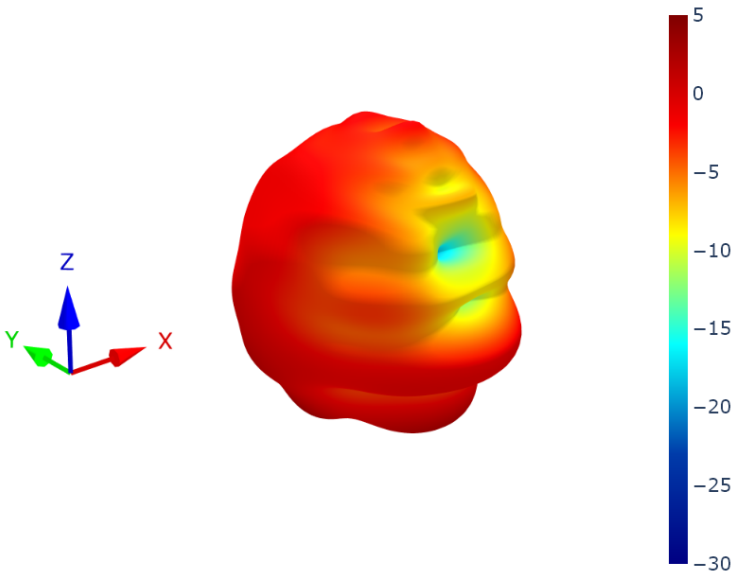
XZ Plane	YZ Plane	XY Plane
		

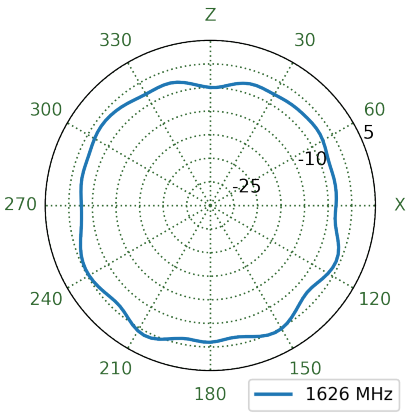
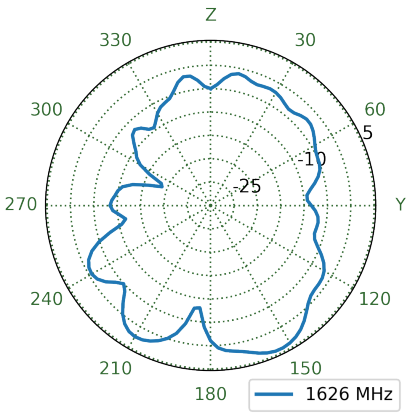
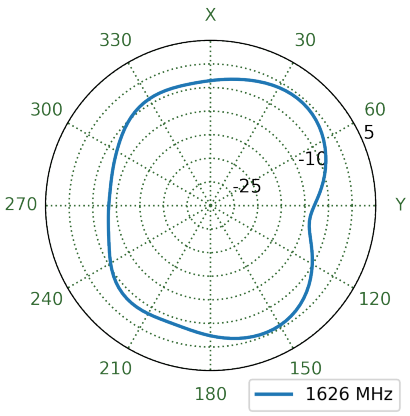
6.36 9x15cm - Straight Patterns at 1626 MHz



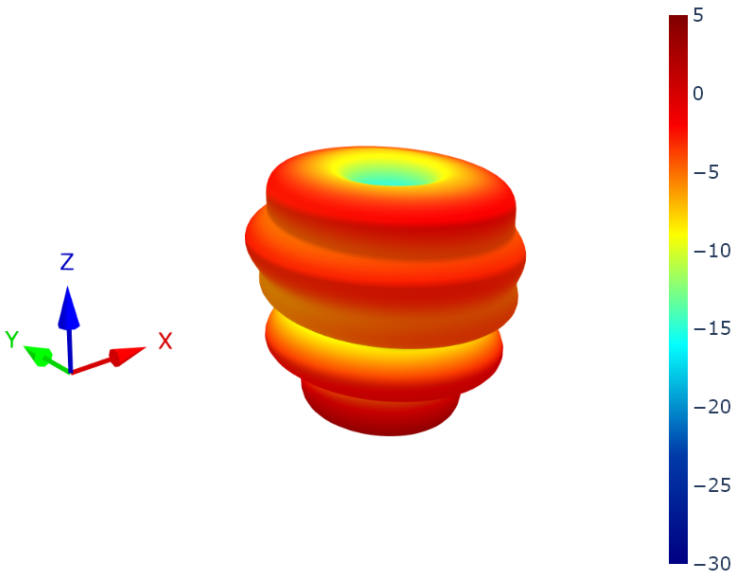
XZ Plane	YZ Plane	XY Plane
		

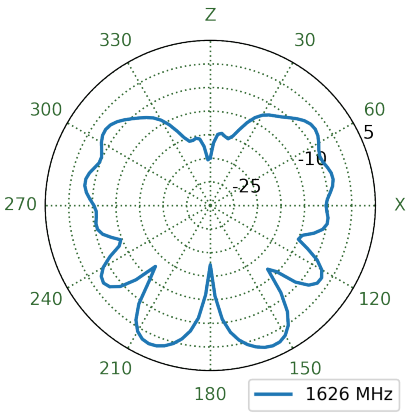
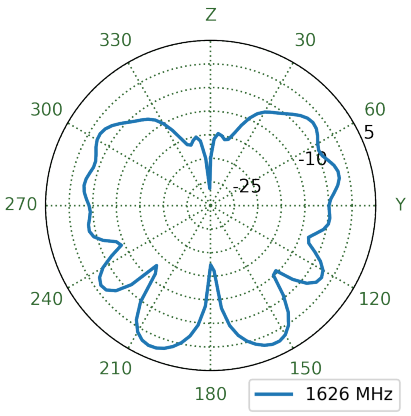
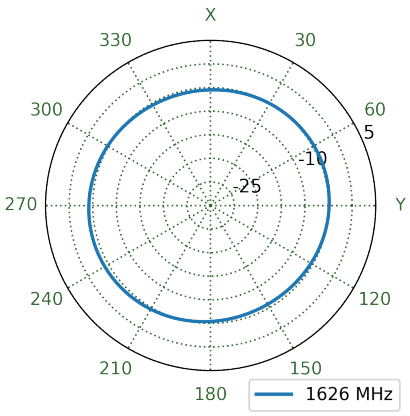
6.37 Free Space - Bent Patterns at 1626 MHz



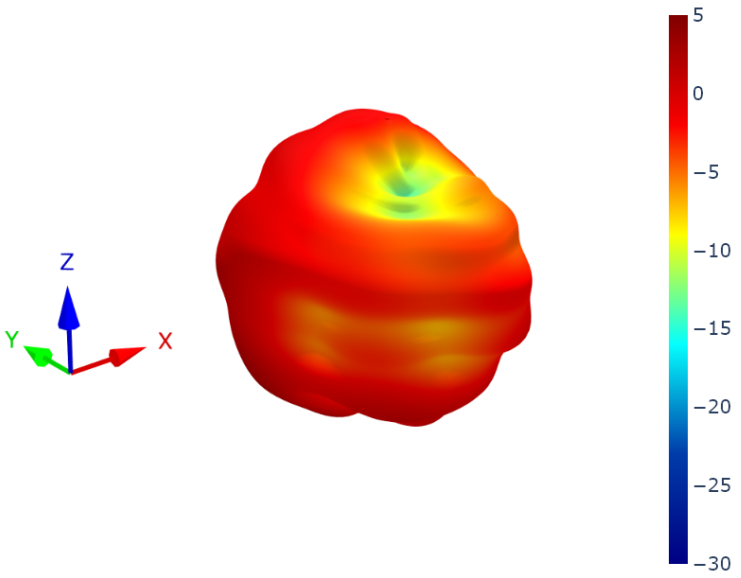
XZ Plane	YZ Plane	XY Plane
		

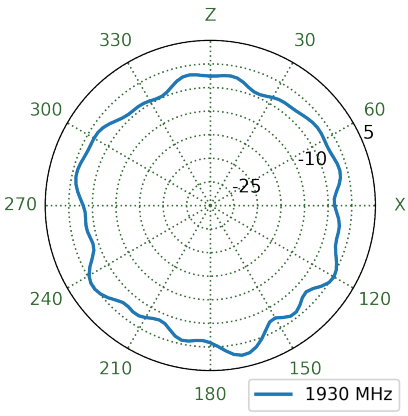
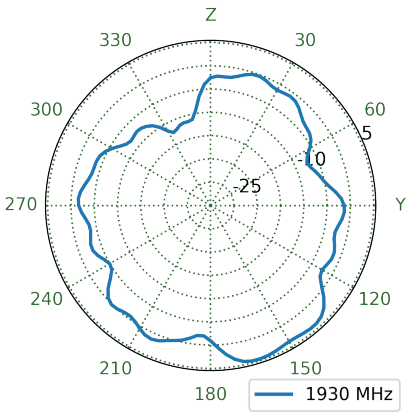
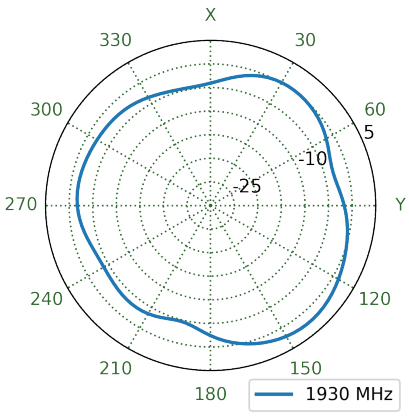
6.38 Free Space - Straight Patterns at 1626 MHz



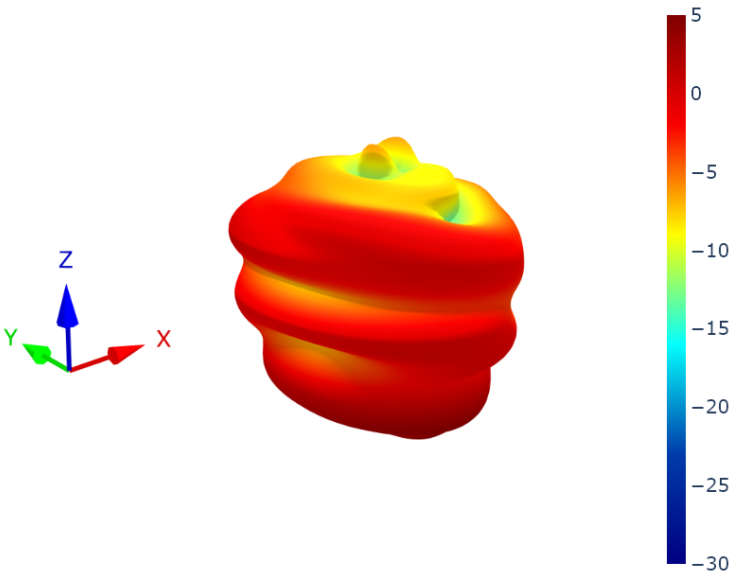
XZ Plane	YZ Plane	XY Plane
		

6.39 15x9cm - Bent Patterns at 1930 MHz

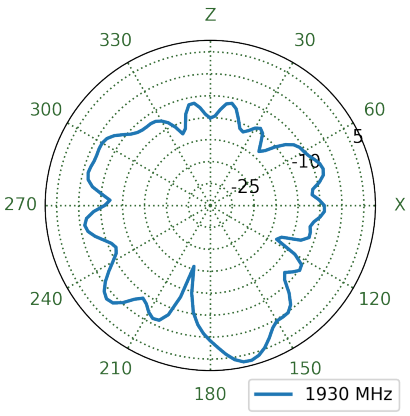


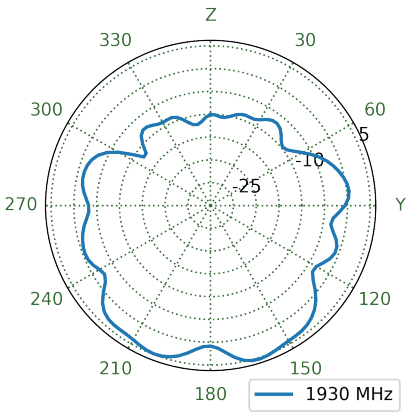
XZ Plane	YZ Plane	XY Plane
		

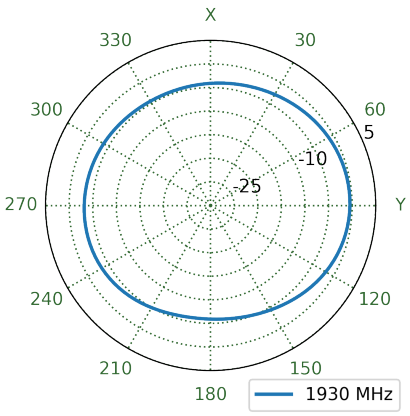
6.40 15x9cm - Straight Patterns at 1930 MHz



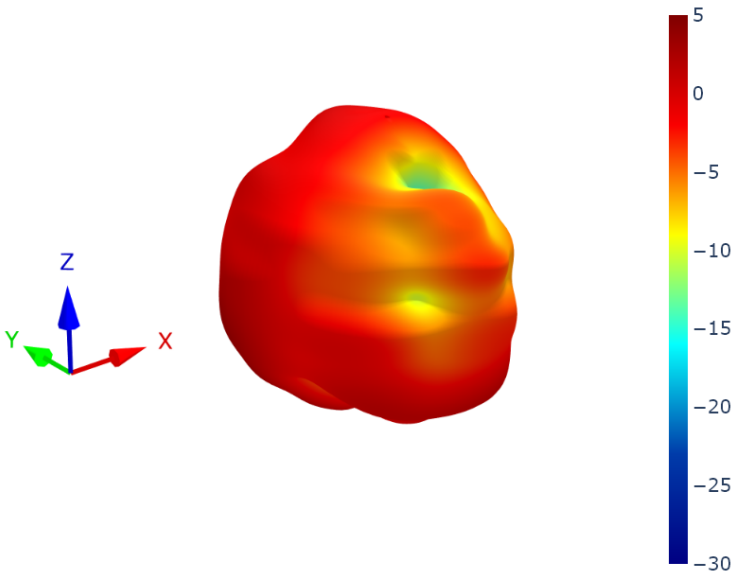
XZ Plane	YZ Plane	XY Plane

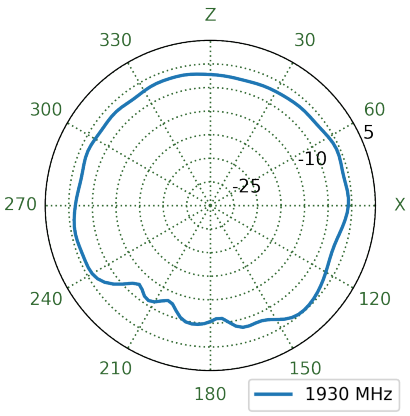
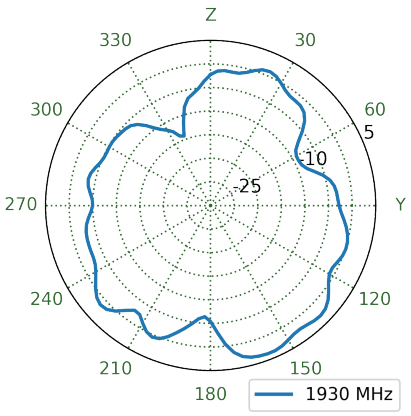
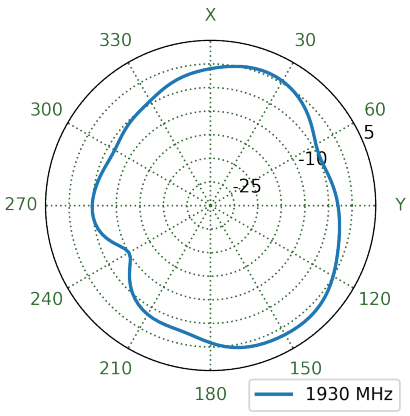




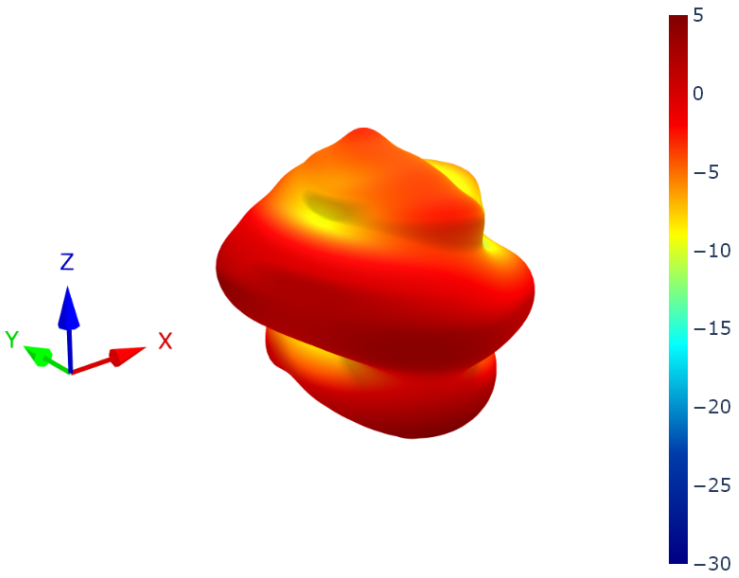


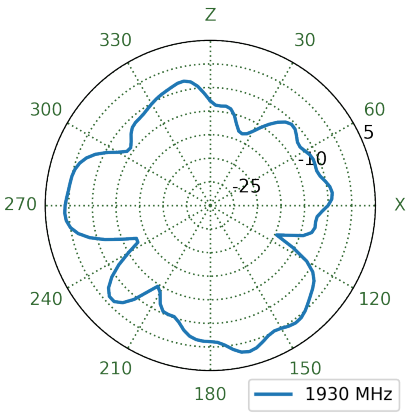
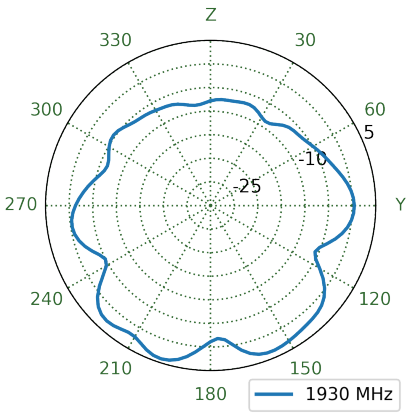
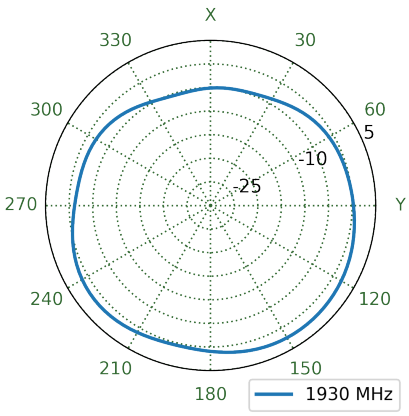
6.41 9x15cm - Bent Patterns at 1930 MHz



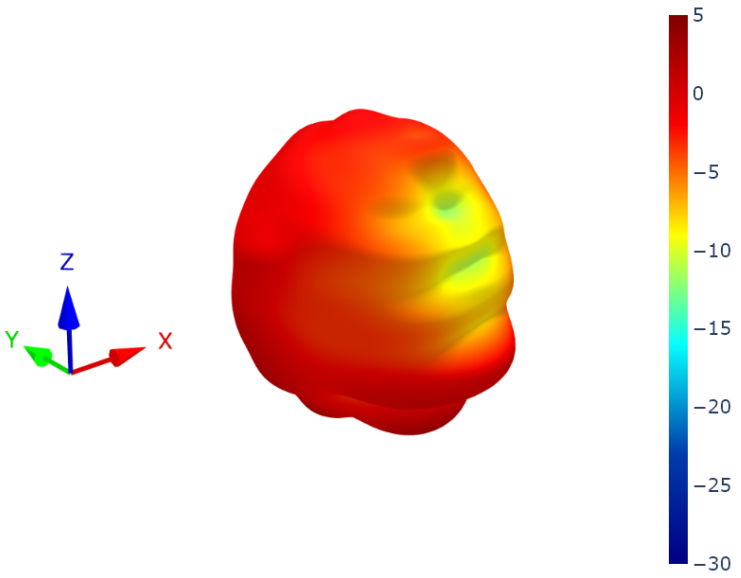
XZ Plane	YZ Plane	XY Plane
		

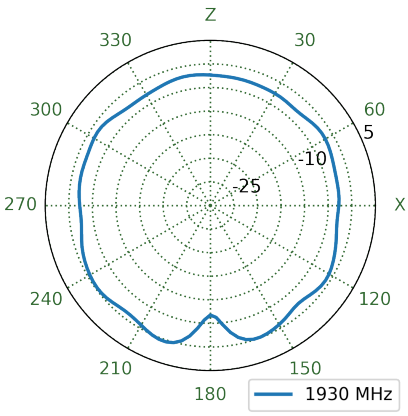
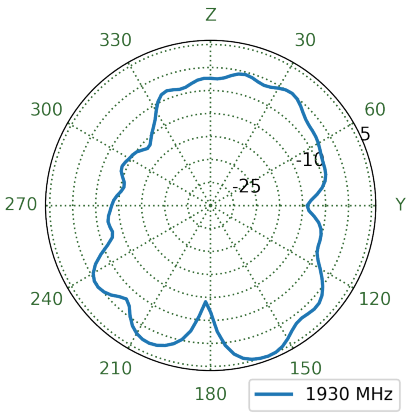
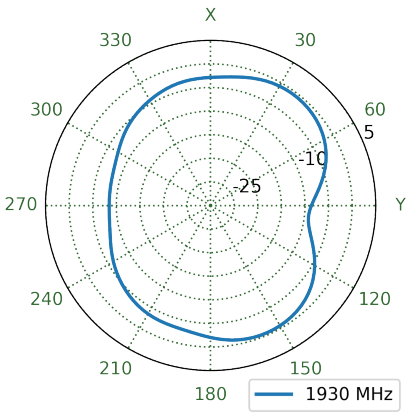
6.42 9x15cm - Straight Patterns at 1930 MHz



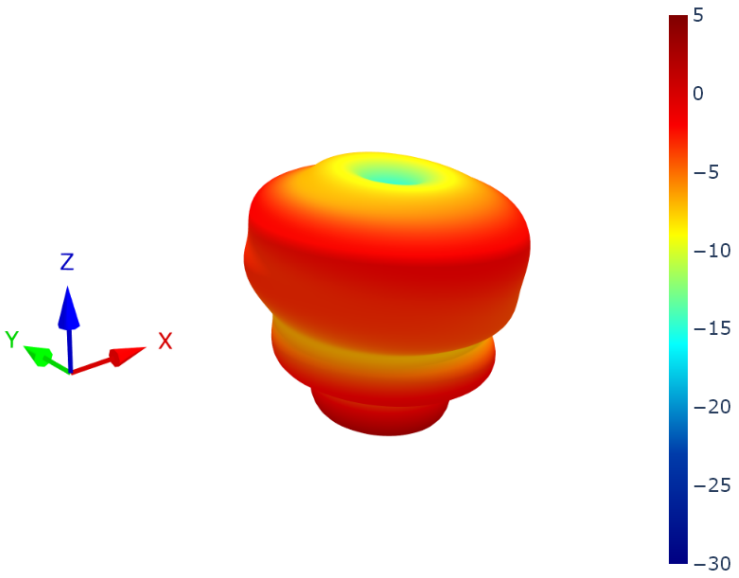
XZ Plane	YZ Plane	XY Plane
		

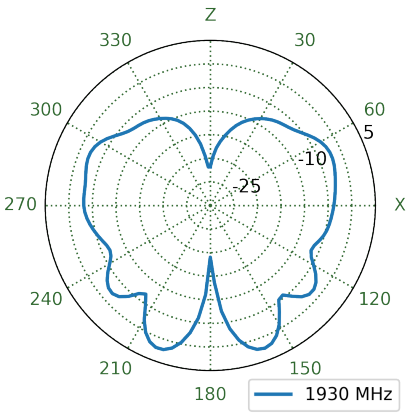
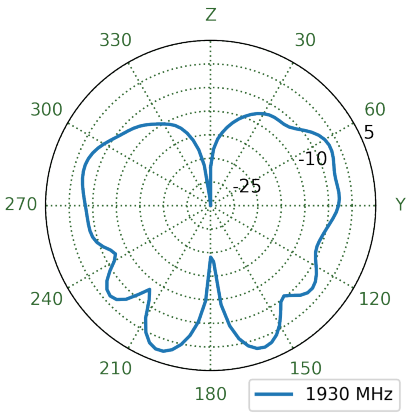
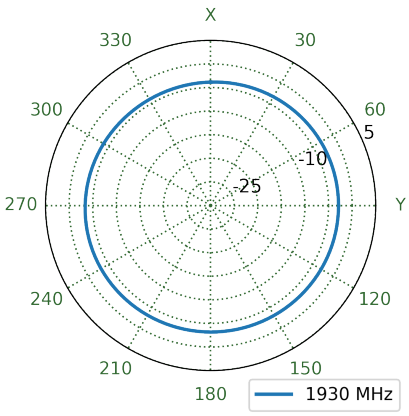
6.43 Free Space - Bent Patterns at 1930 MHz



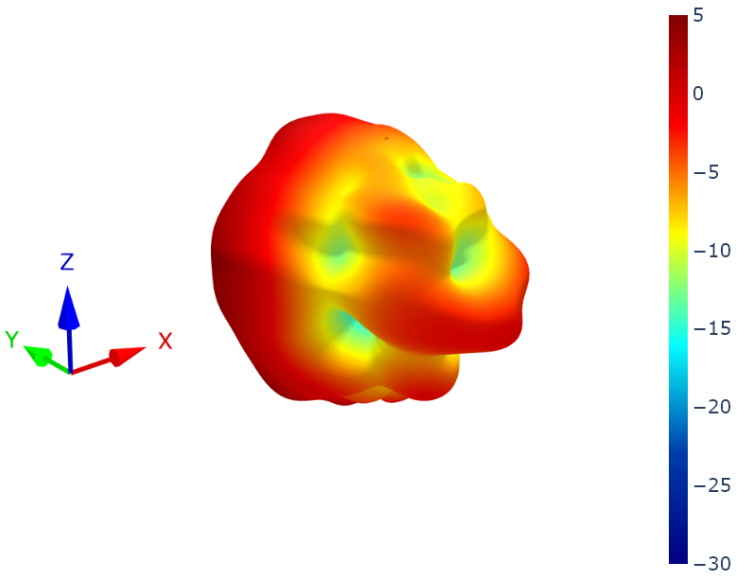
XZ Plane	YZ Plane	XY Plane
		

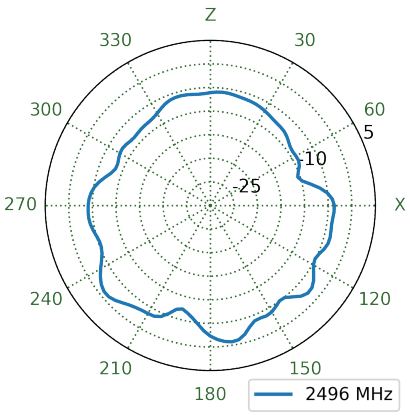
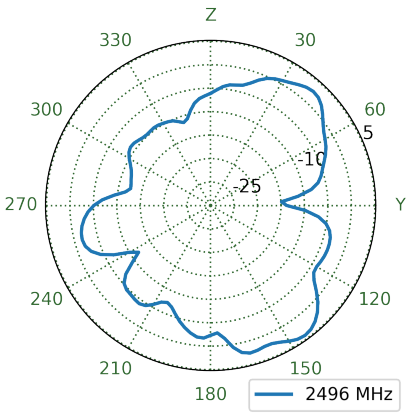
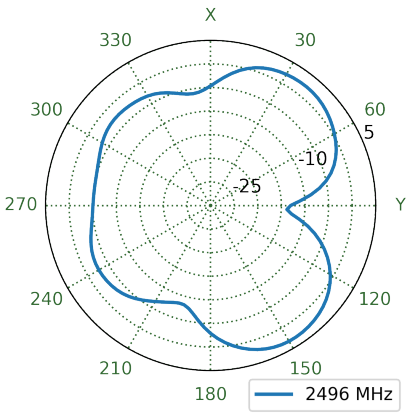
6.44 Free Space - Straight Patterns at 1930 MHz



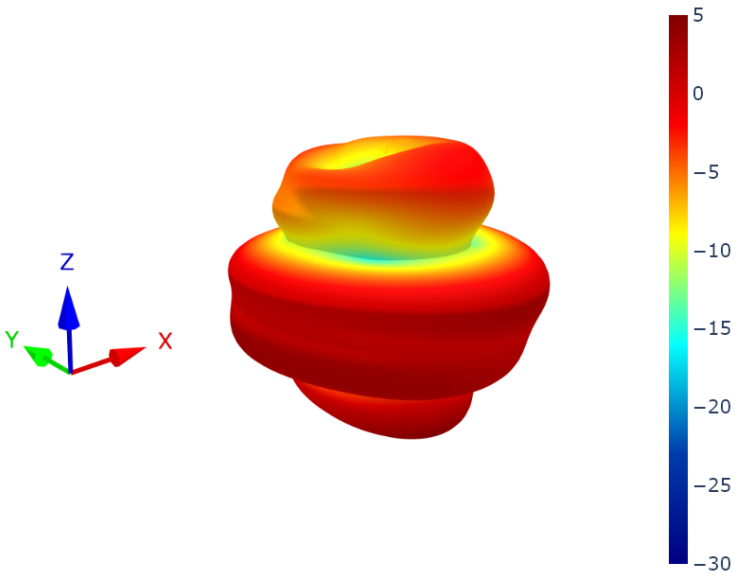
XZ Plane	YZ Plane	XY Plane
		

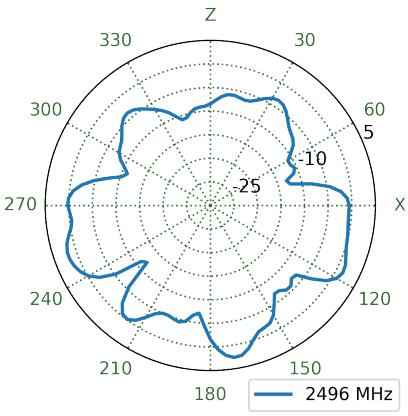
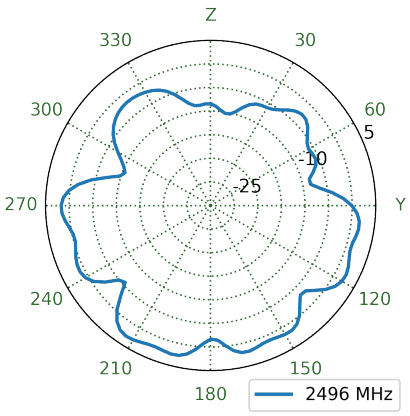
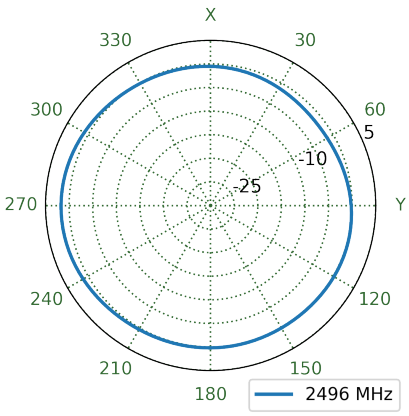
6.45 15x9cm - Bent Patterns at 2496 MHz



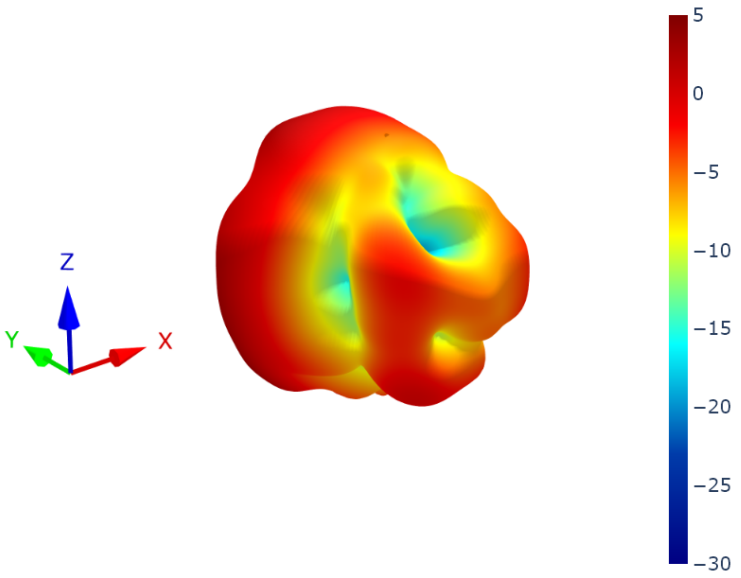
XZ Plane	YZ Plane	XY Plane
		

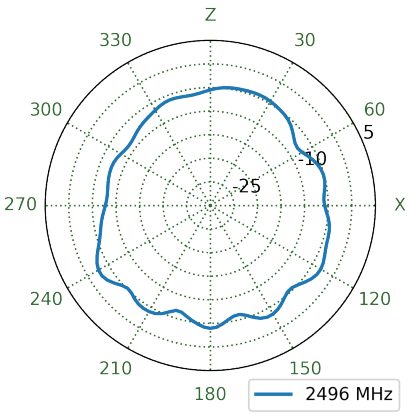
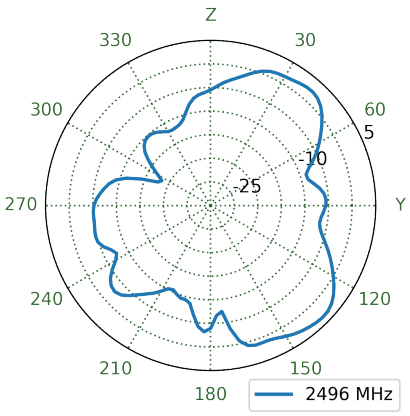
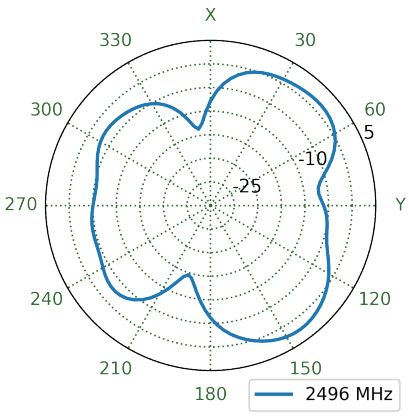
6.46 15x9cm - Straight Patterns at 2496 MHz



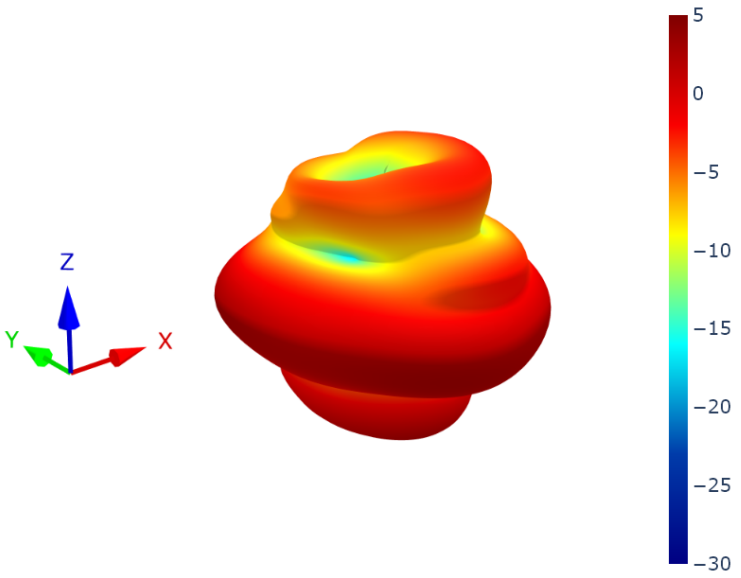
XZ Plane	YZ Plane	XY Plane
		

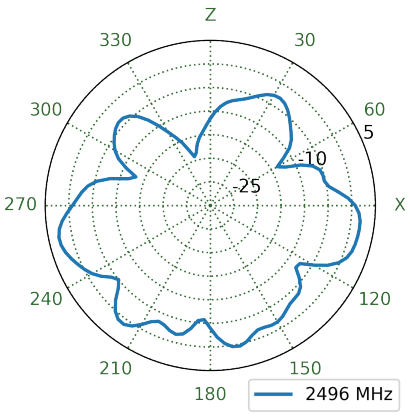
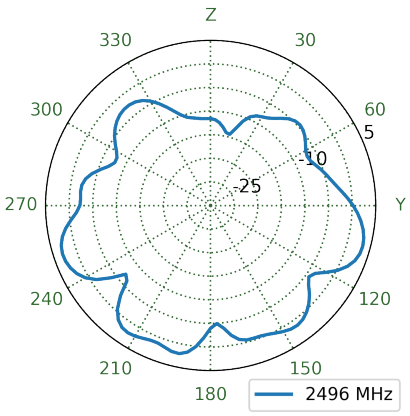
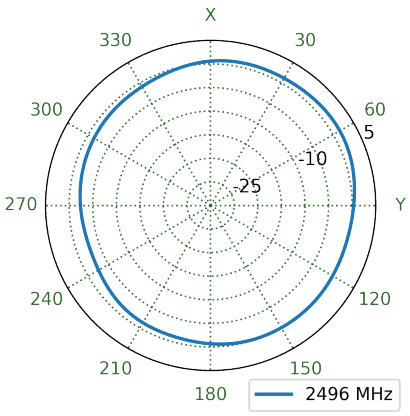
6.47 9x15cm - Bent Patterns at 2496 MHz



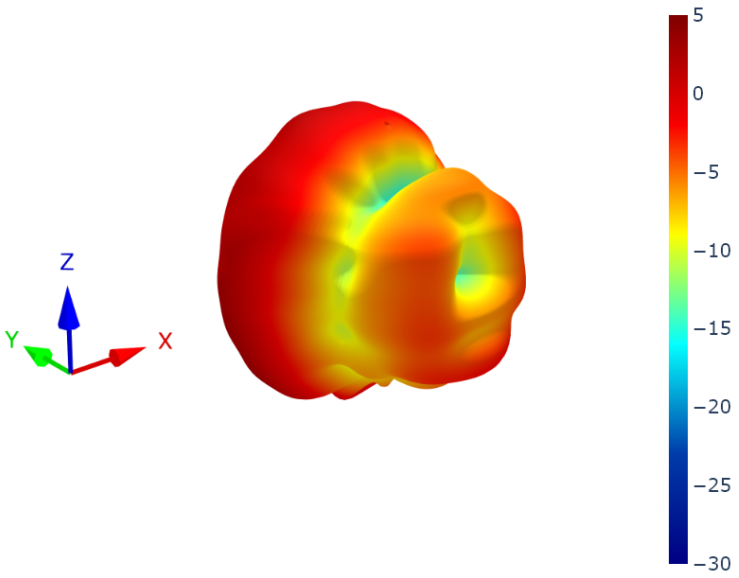
XZ Plane	YZ Plane	XY Plane
		

6.48 9x15cm - Straight Patterns at 2496 MHz

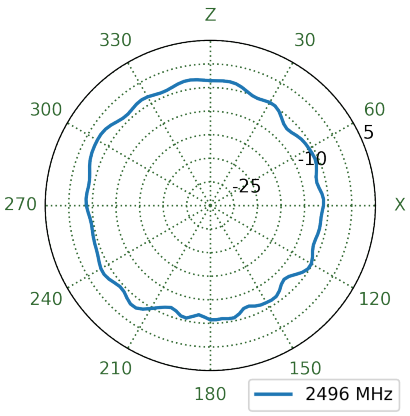


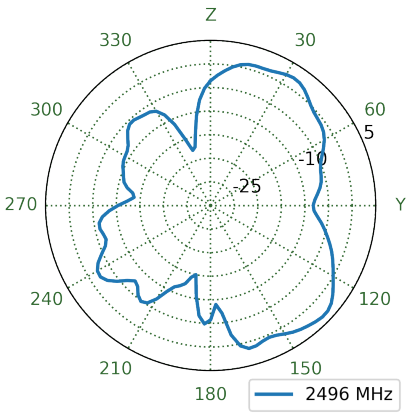
XZ Plane	YZ Plane	XY Plane
		

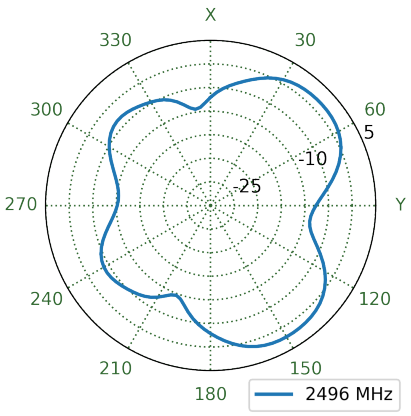
6.49 Free Space - Bent Patterns at 2496 MHz



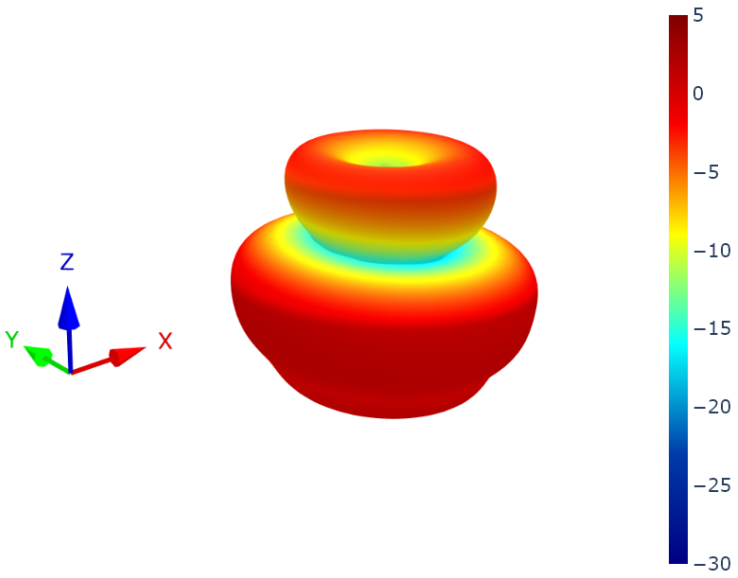
XZ Plane	YZ Plane	XY Plane

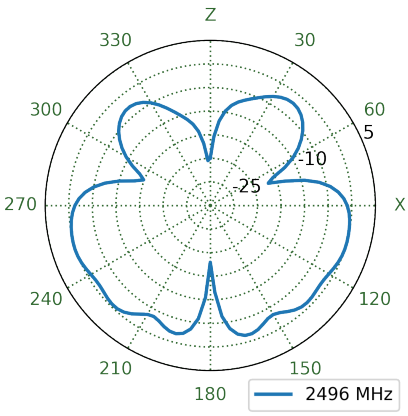
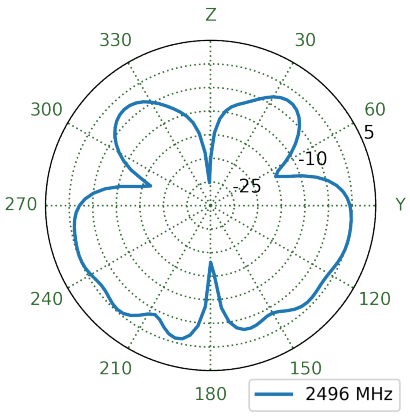
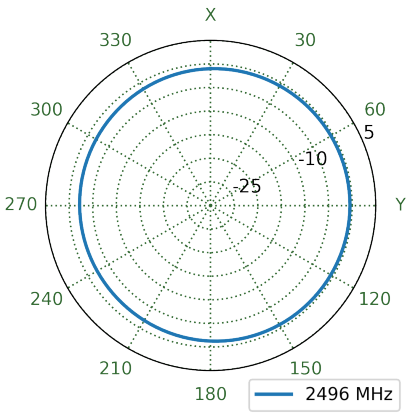




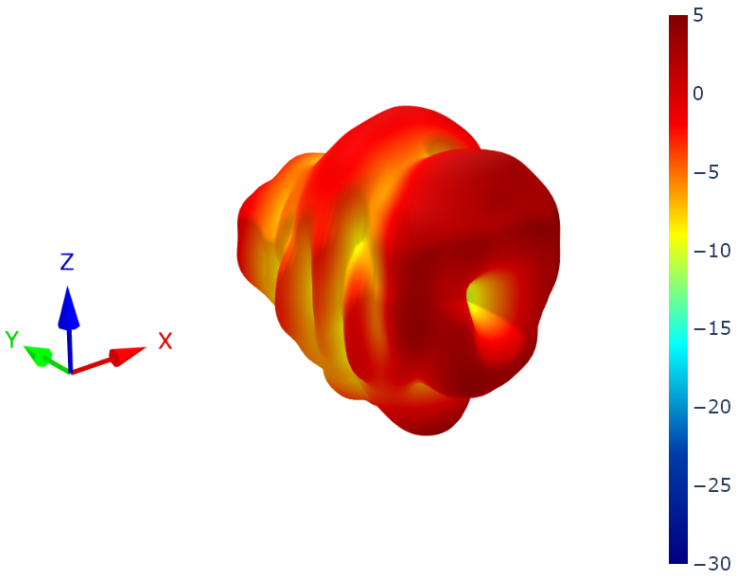


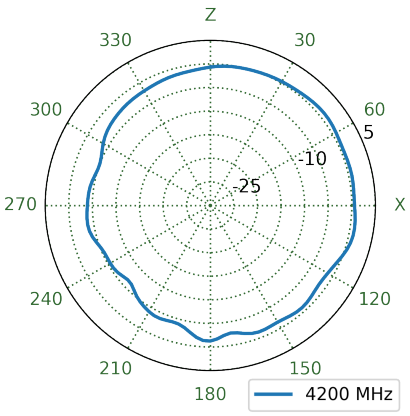
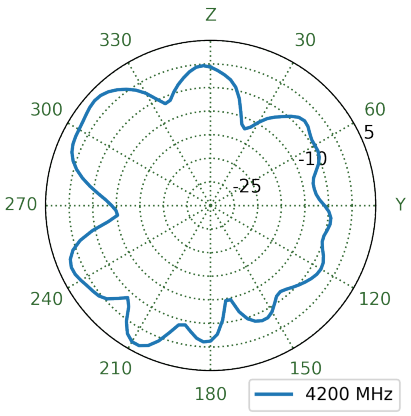
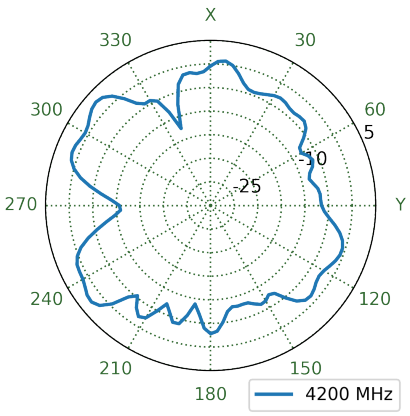
6.50 Free Space - Straight Patterns at 2496 MHz



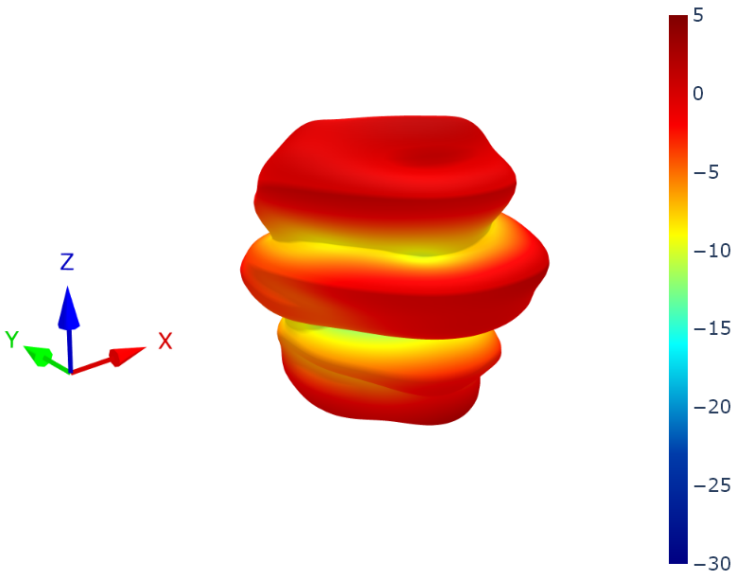
XZ Plane	YZ Plane	XY Plane
		

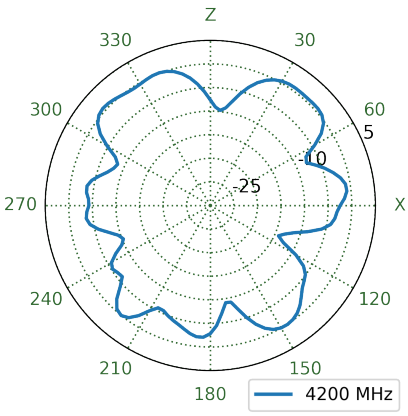
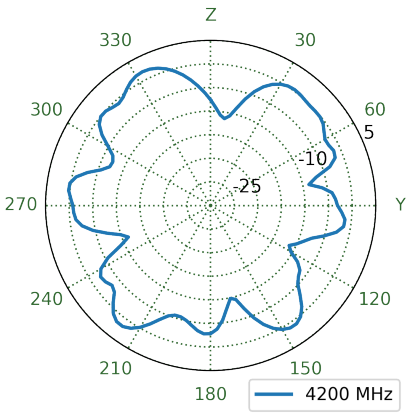
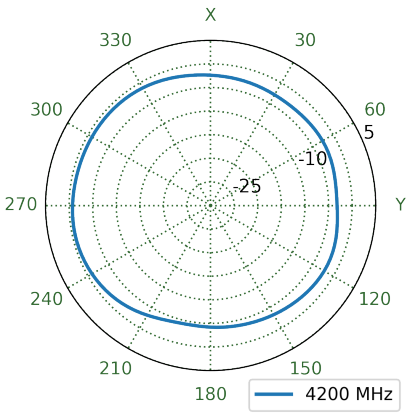
6.51 15x9cm - Bent Patterns at 4200 MHz



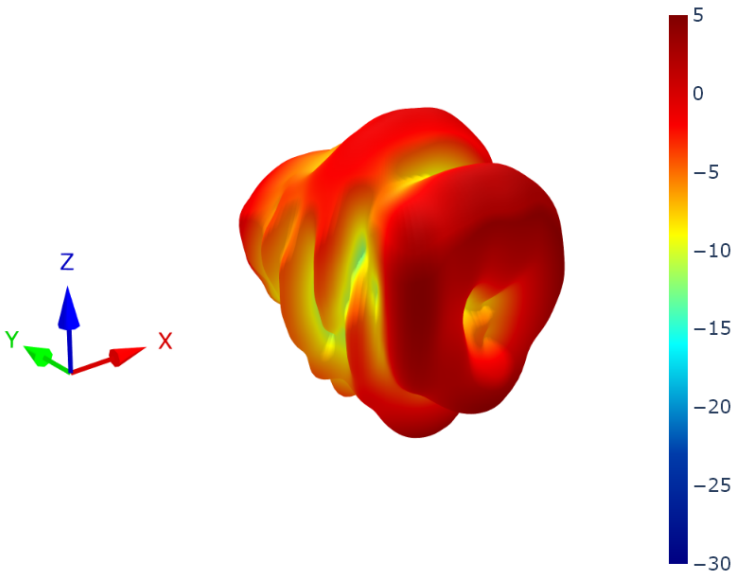
XZ Plane	YZ Plane	XY Plane
		

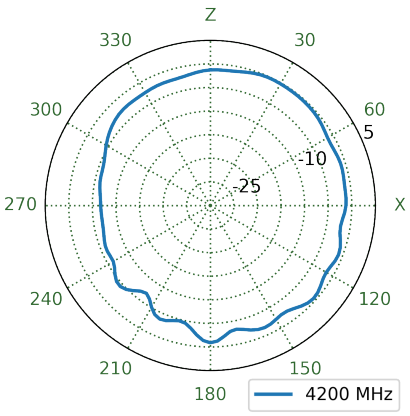
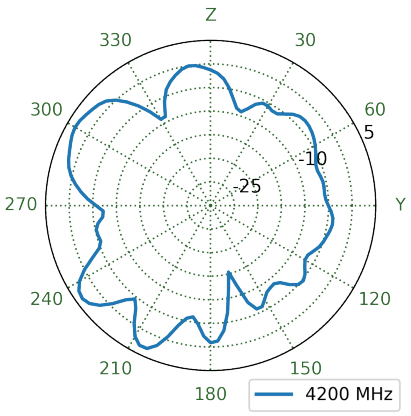
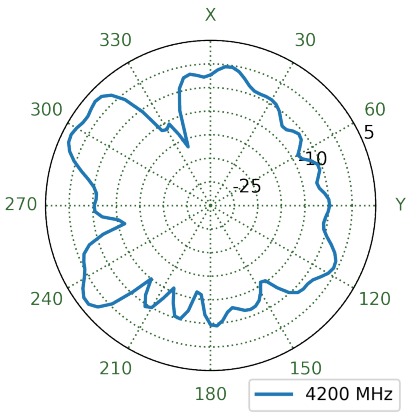
6.52 15x9cm - Straight Patterns at 4200 MHz



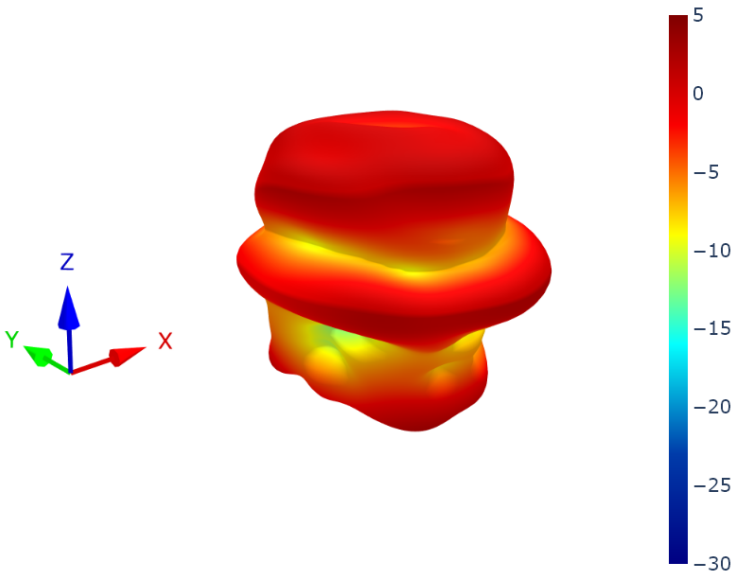
XZ Plane	YZ Plane	XY Plane
		

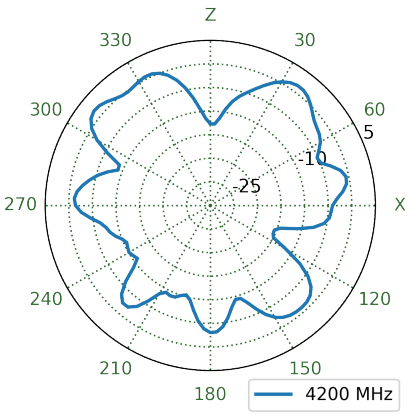
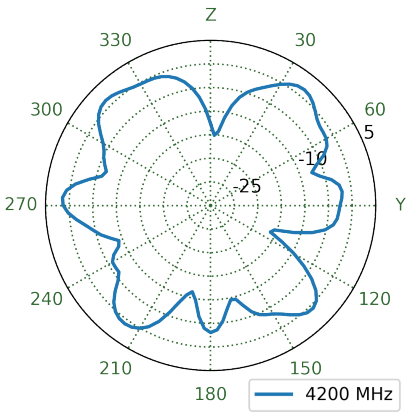
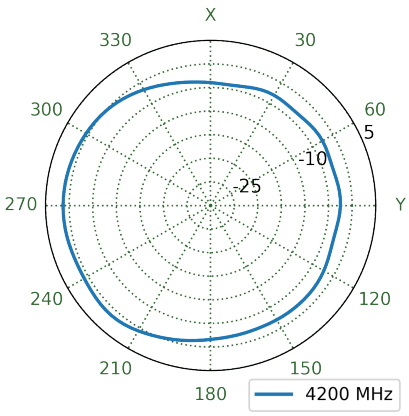
6.53 9x15cm - Bent Patterns at 4200 MHz



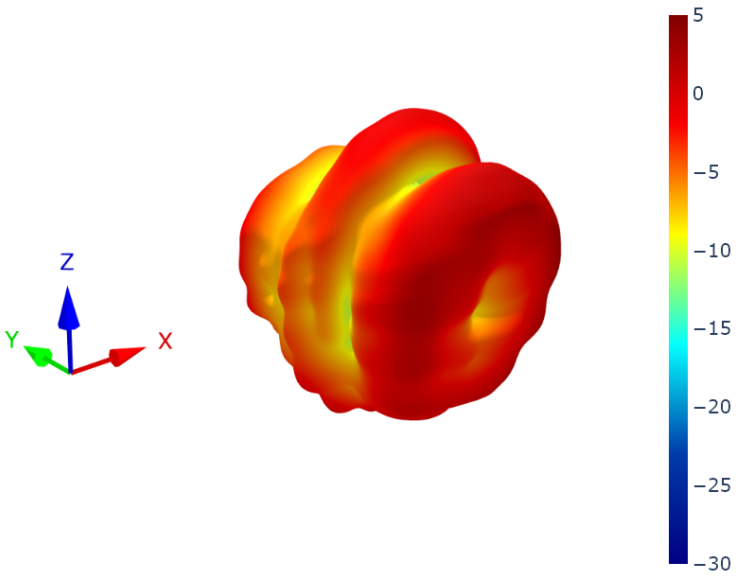
XZ Plane	YZ Plane	XY Plane
		

6.54 9x15cm - Straight Patterns at 4200 MHz

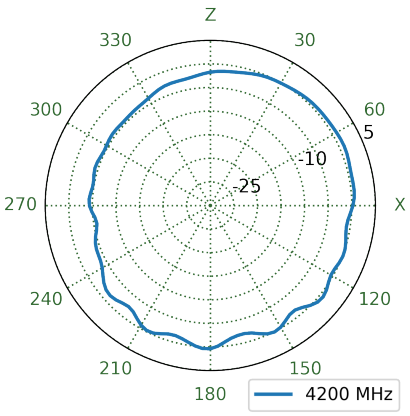


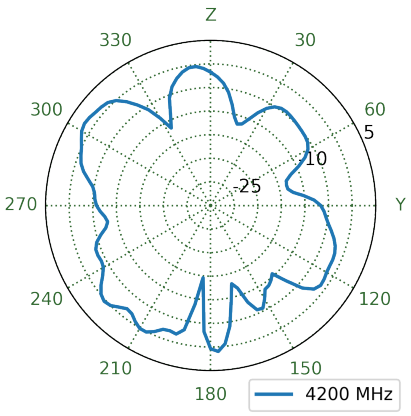
XZ Plane	YZ Plane	XY Plane
		

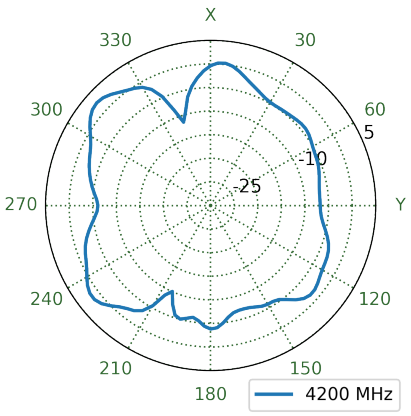
6.55 Free Space - Bent Patterns at 4200 MHz



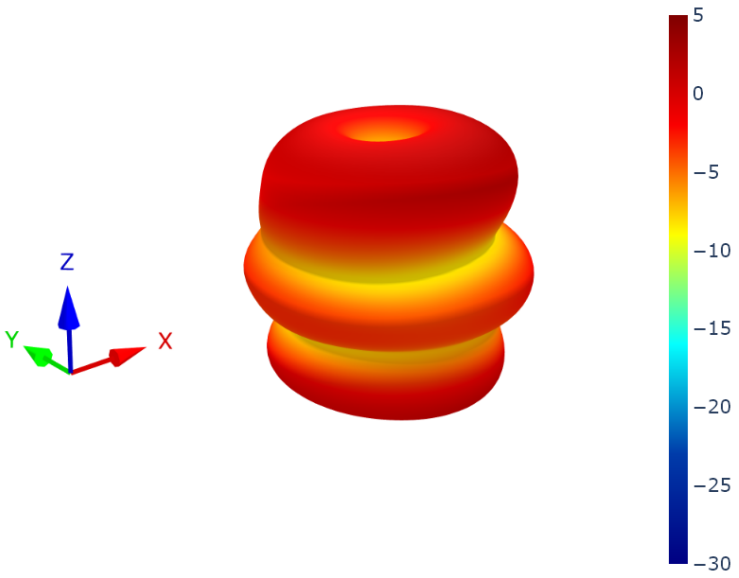
XZ Plane	YZ Plane	XY Plane

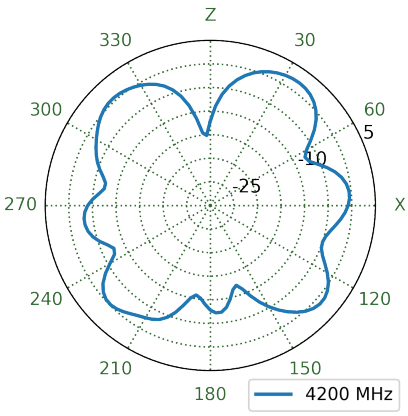
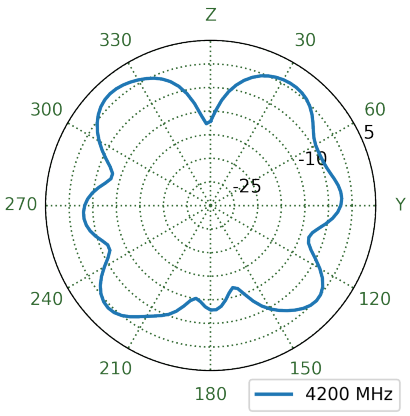
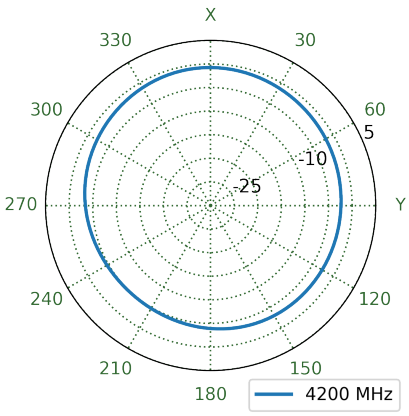




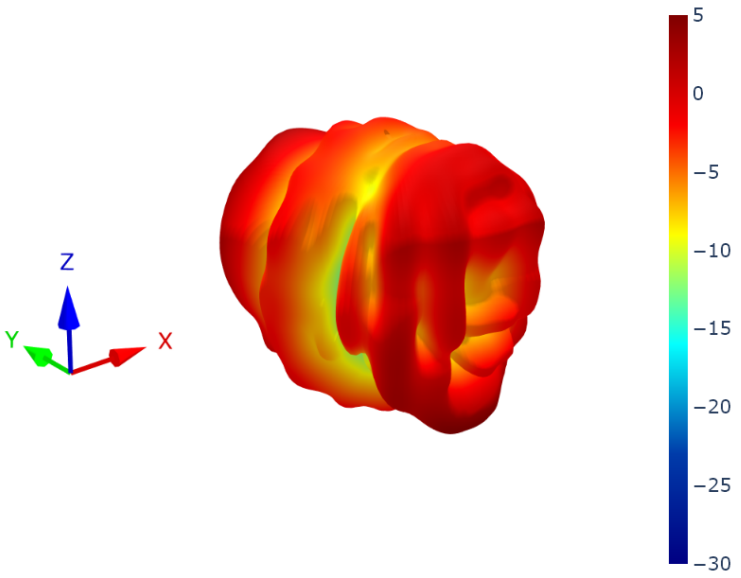


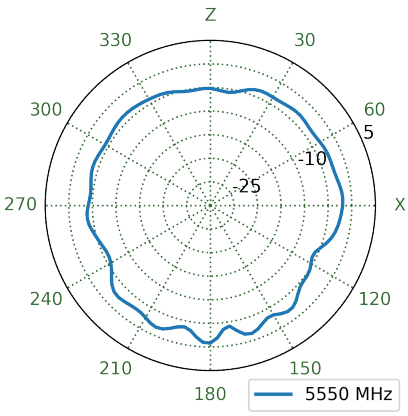
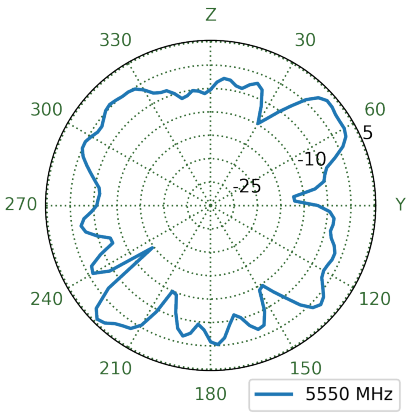
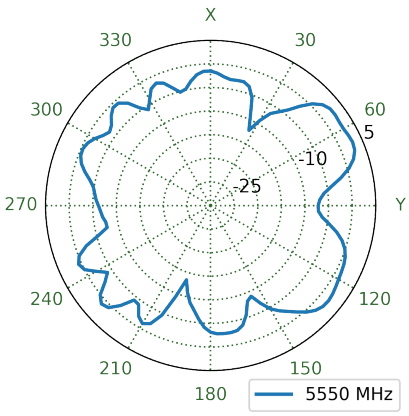
6.56 Free Space - Straight Patterns at 4200 MHz



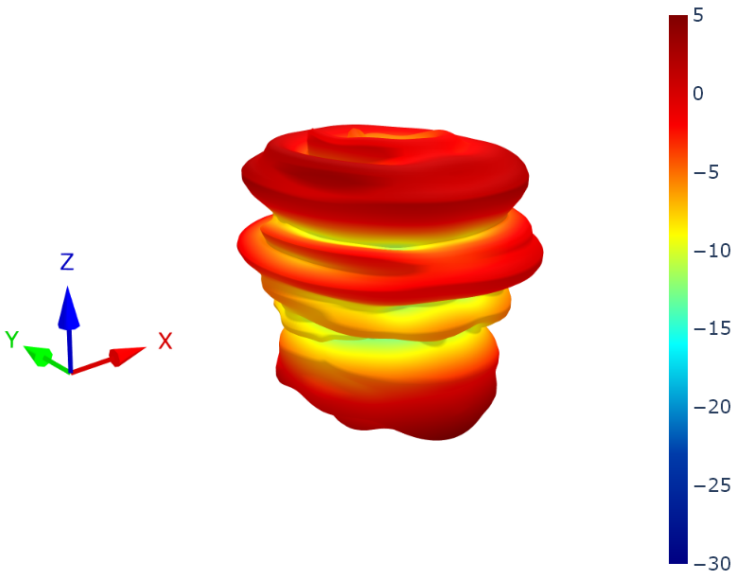
XZ Plane	YZ Plane	XY Plane
		

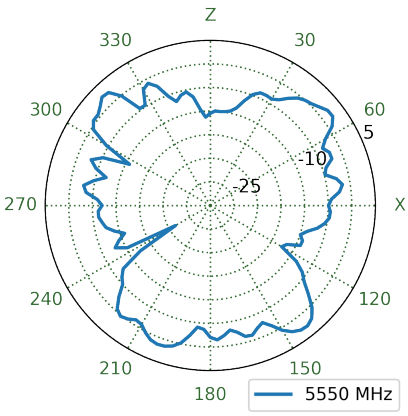
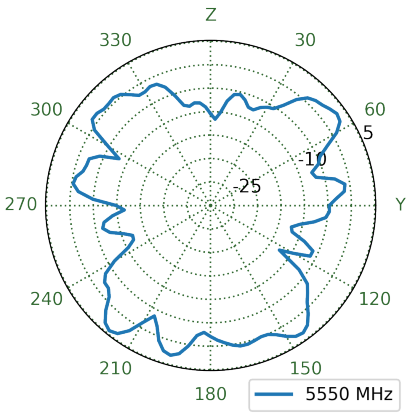
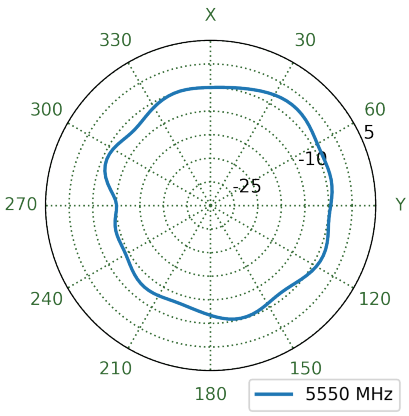
6.57 15x9cm - Bent Patterns at 5550 MHz



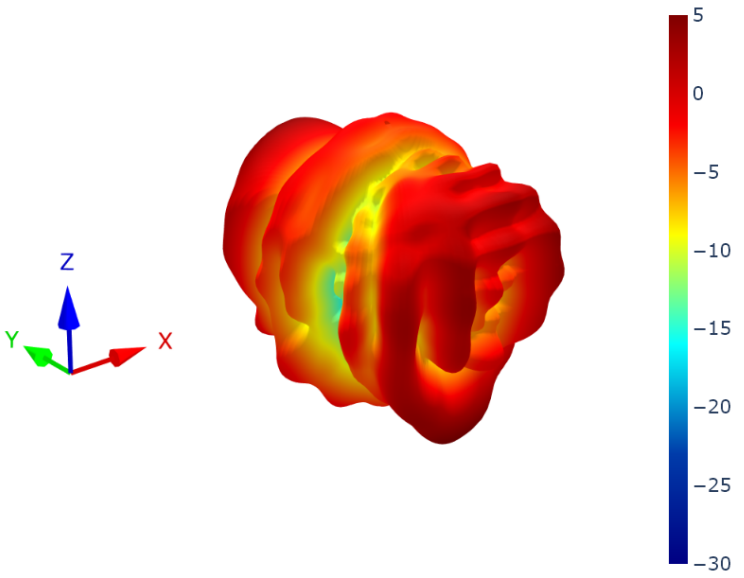
XZ Plane	YZ Plane	XY Plane
		

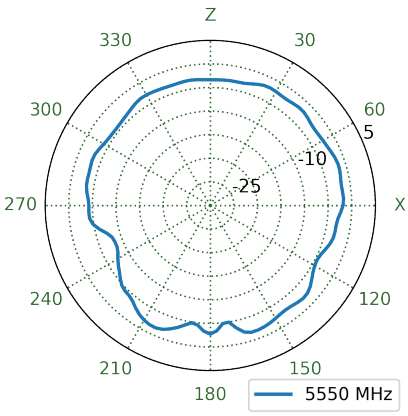
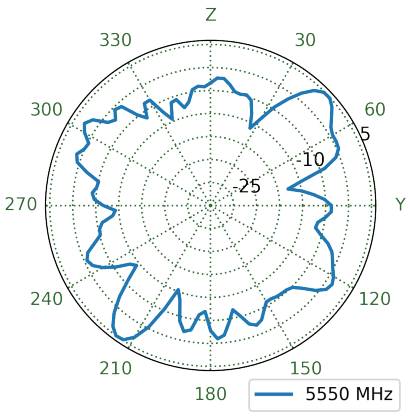
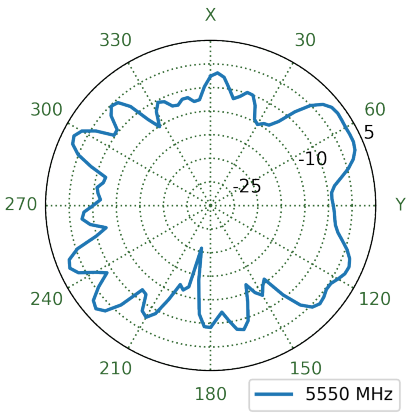
6.58 15x9cm - Straight Patterns at 5550 MHz



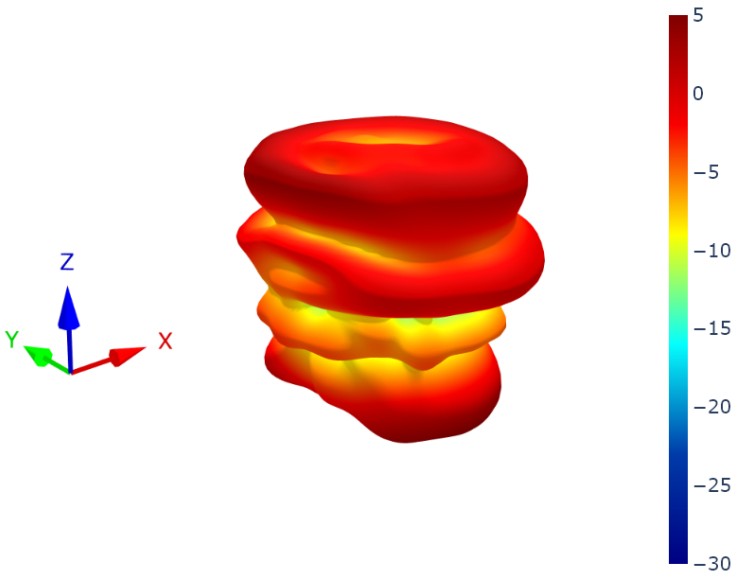
XZ Plane	YZ Plane	XY Plane
		

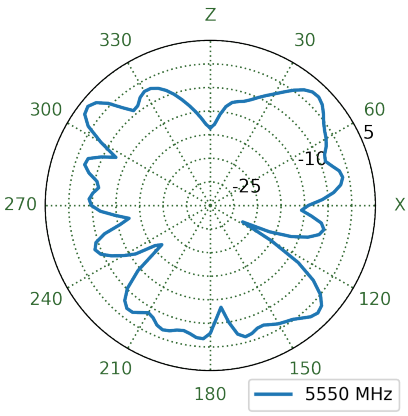
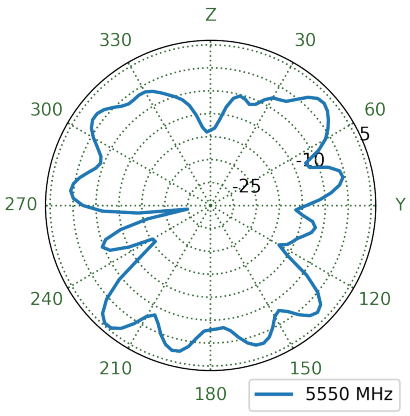
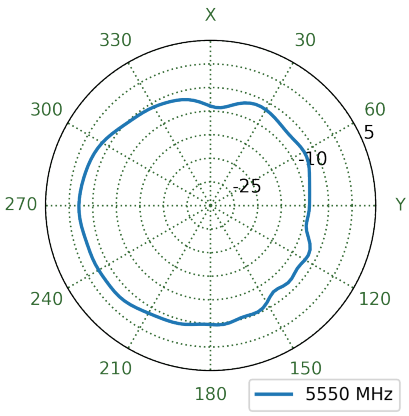
6.59 9x15cm - Bent Patterns at 5550 MHz



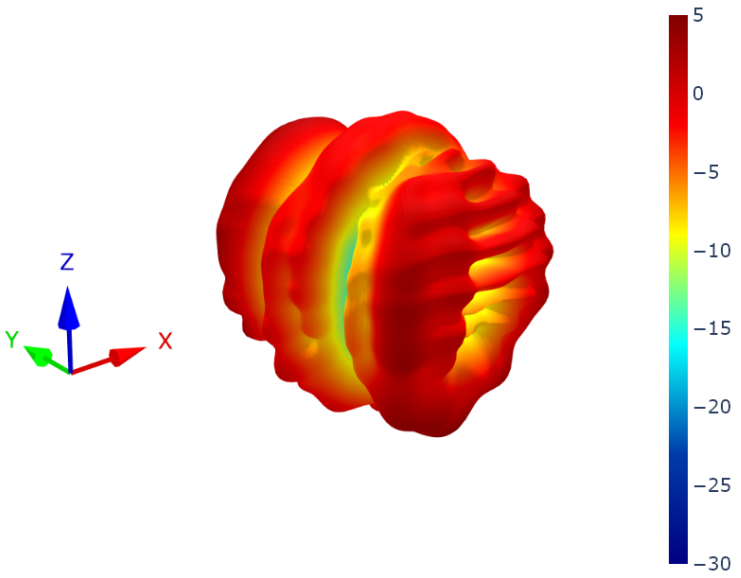
XZ Plane	YZ Plane	XY Plane
		

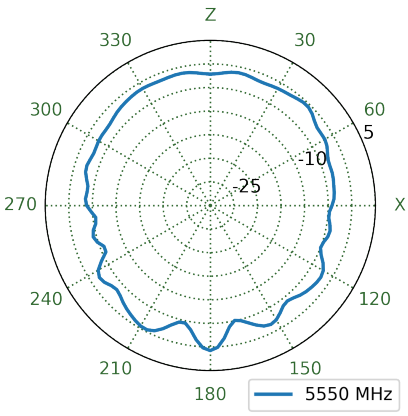
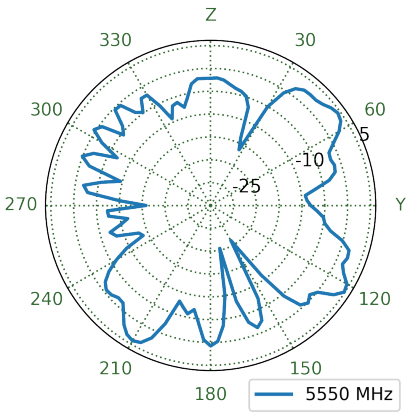
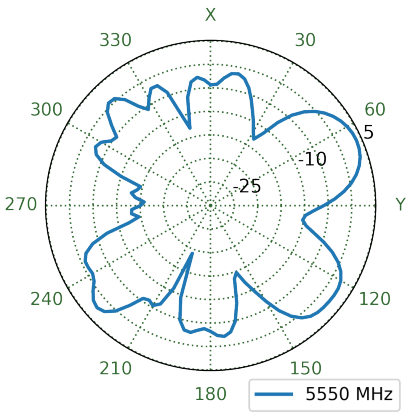
6.60 9x15cm - Straight Patterns at 5550 MHz



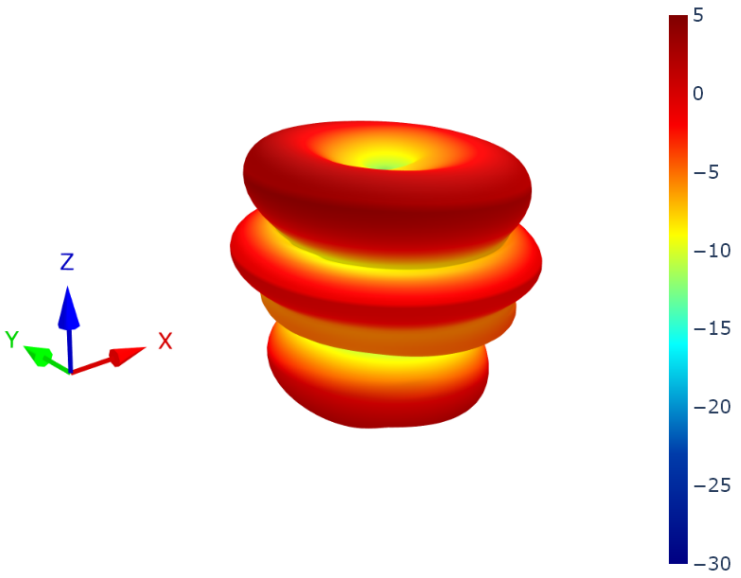
XZ Plane	YZ Plane	XY Plane
		

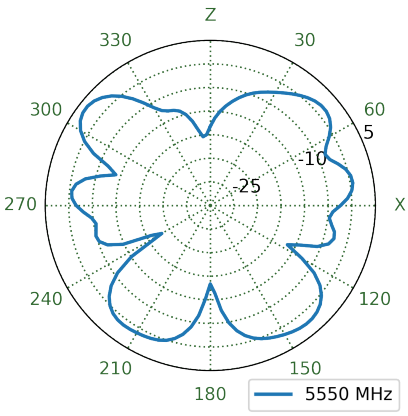
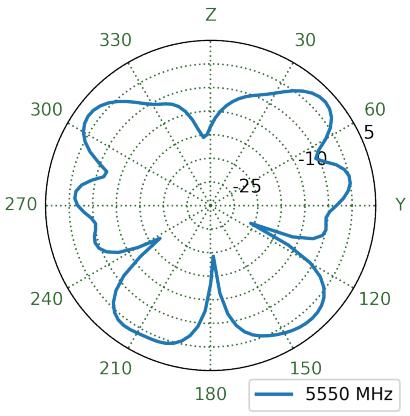
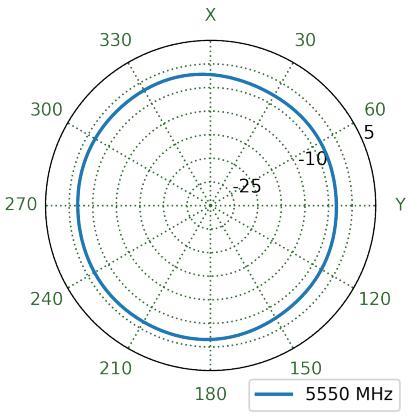
6.61 Free Space - Bent Patterns at 5550 MHz



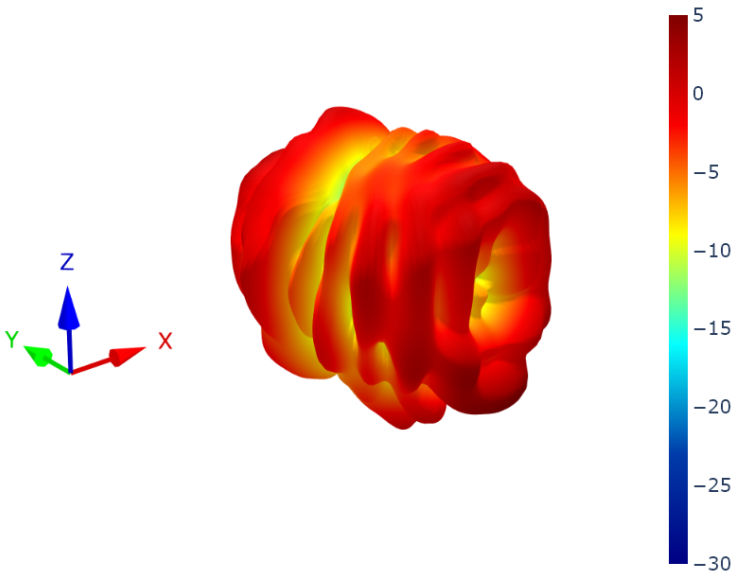
XZ Plane	YZ Plane	XY Plane
		

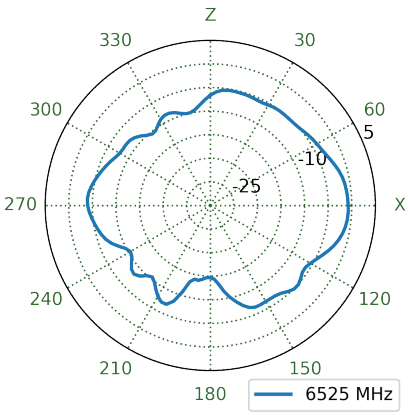
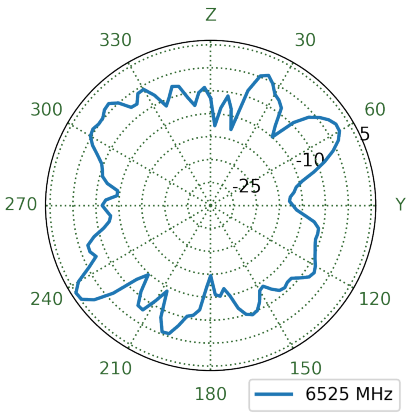
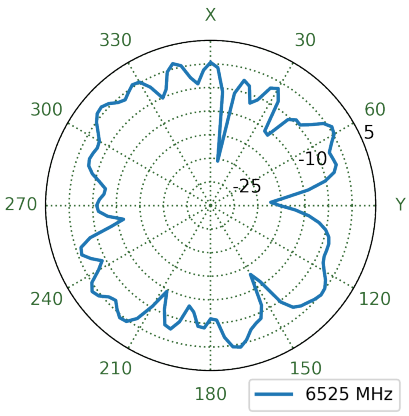
6.62 Free Space - Straight Patterns at 5550 MHz



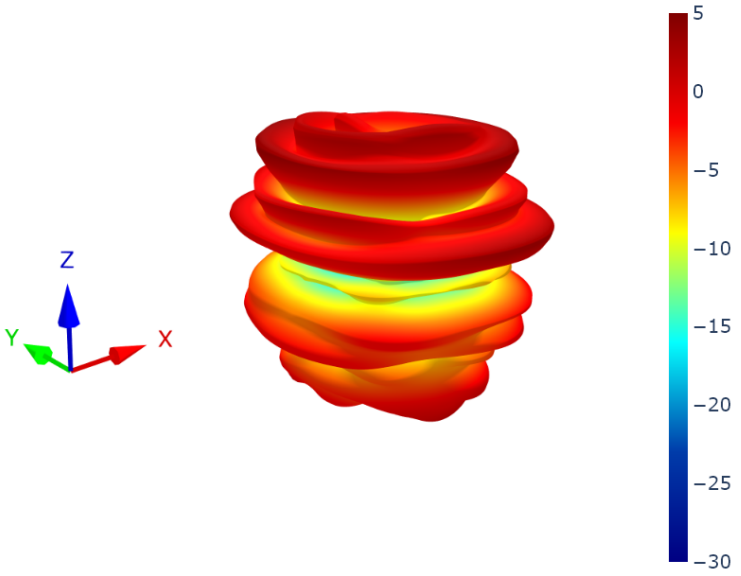
XZ Plane	YZ Plane	XY Plane
		

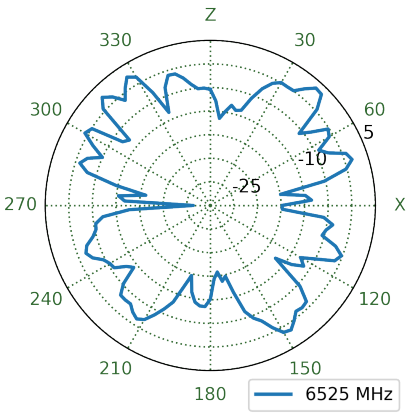
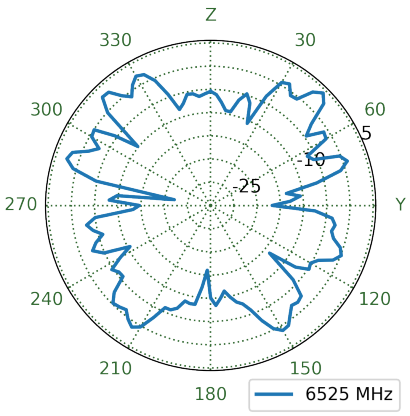
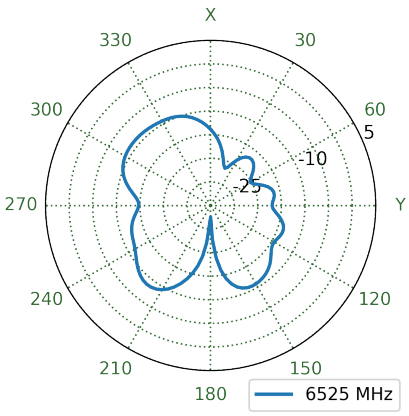
6.63 15x9cm - Bent Patterns at 6525 MHz



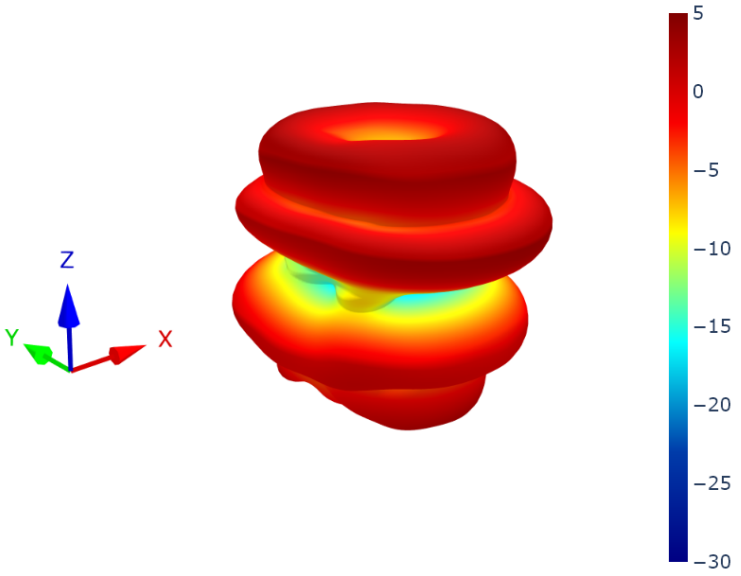
XZ Plane	YZ Plane	XY Plane
		

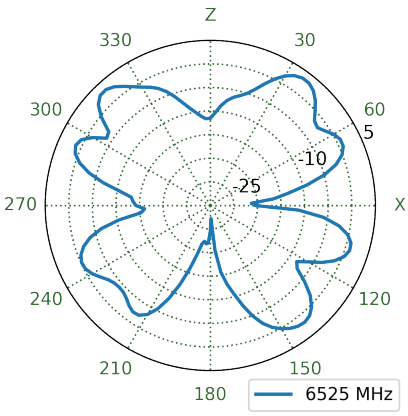
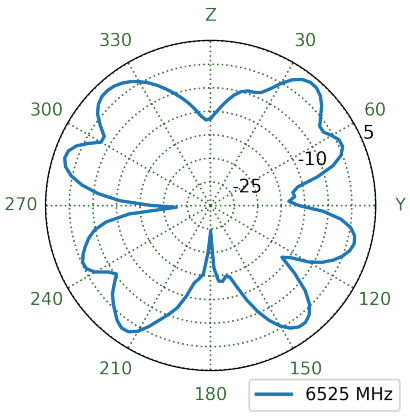
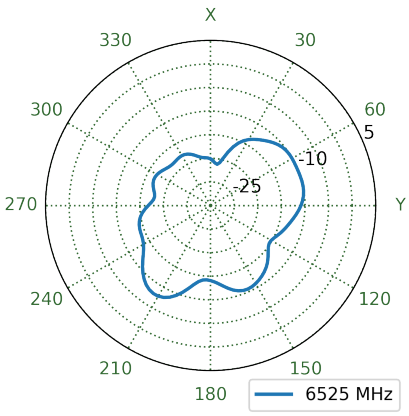
6.64 15x9cm - Straight Patterns at 6525 MHz



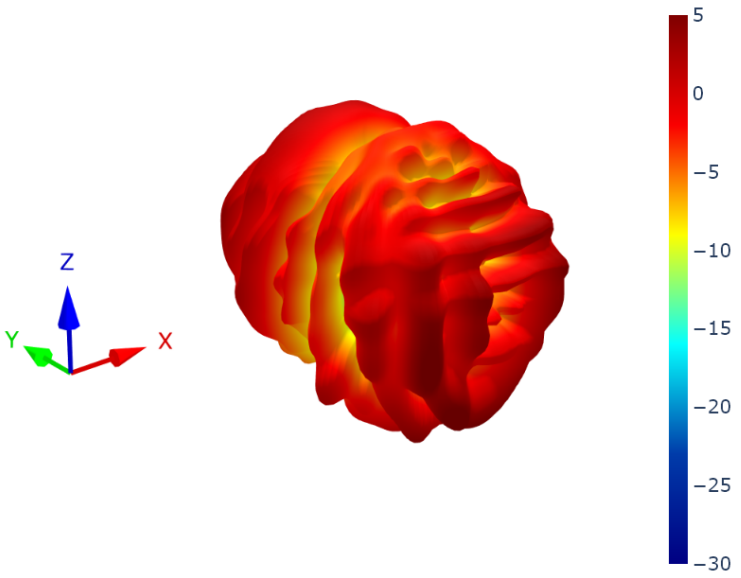
XZ Plane	YZ Plane	XY Plane
		

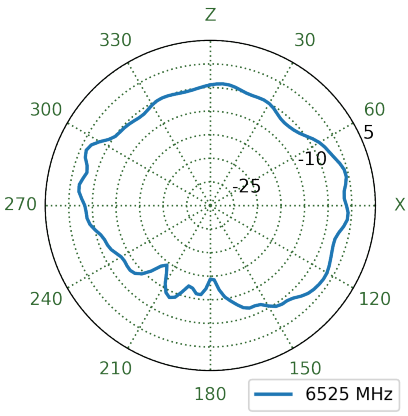
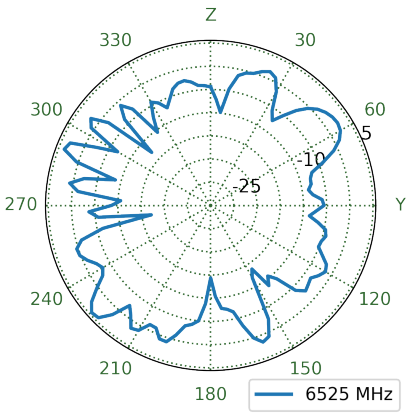
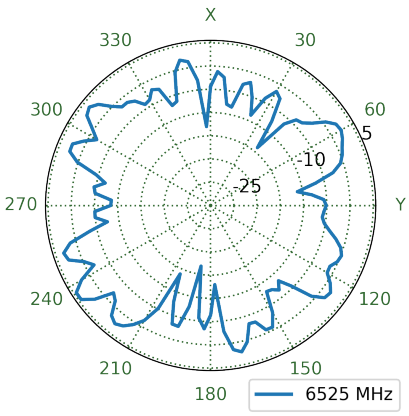
6.65 9x15cm - Bent Patterns at 6525 MHz



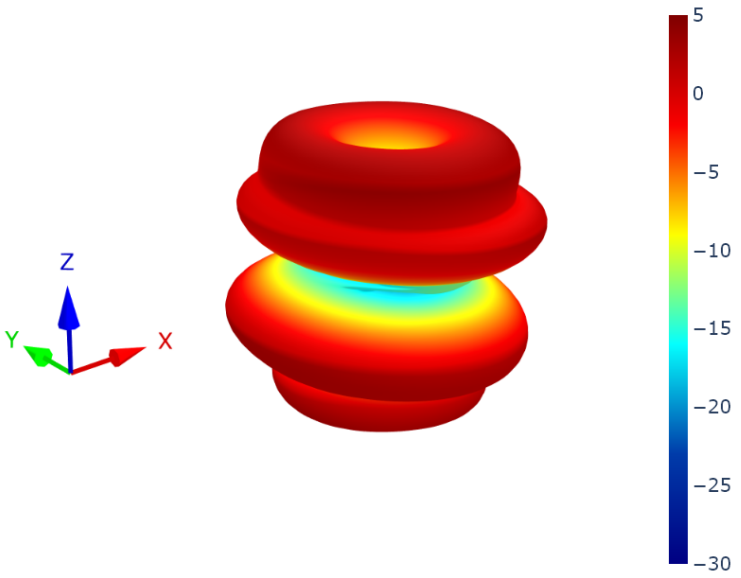
XZ Plane	YZ Plane	XY Plane
		

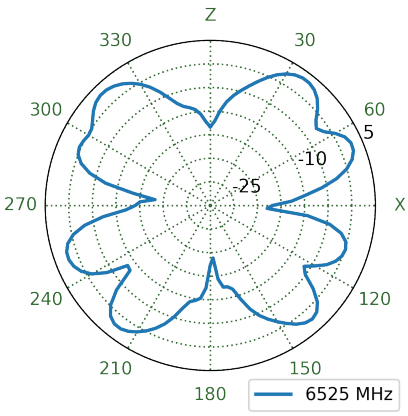
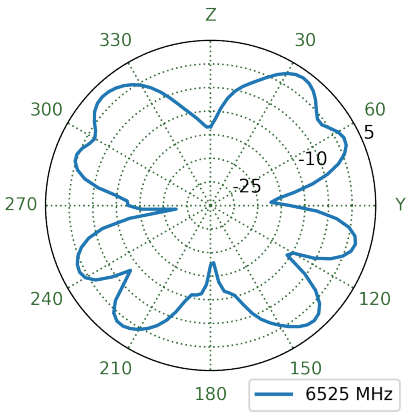
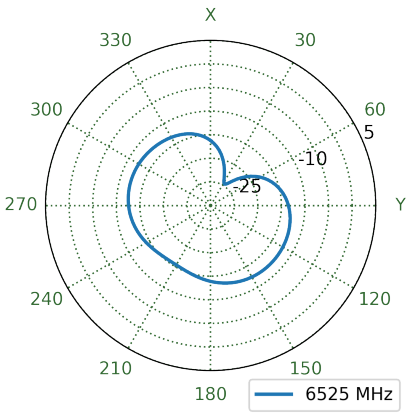
6.66 9x15cm - Straight Patterns at 6525 MHz



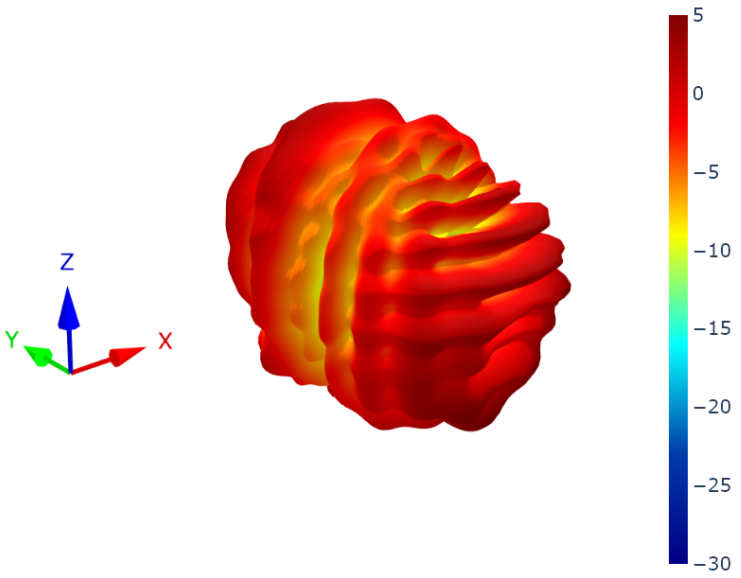
XZ Plane	YZ Plane	XY Plane
		

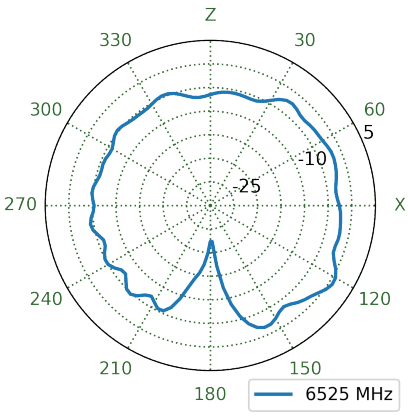
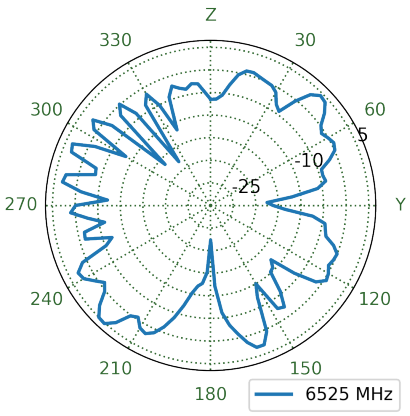
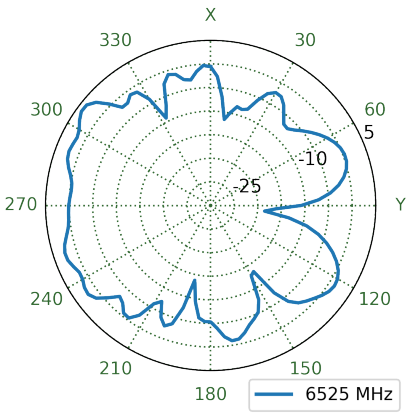
6.67 Free Space - Bent Patterns at 6525 MHz



XZ Plane	YZ Plane	XY Plane
		

6.68 Free Space - Straight Patterns at 6525 MHz



XZ Plane	YZ Plane	XY Plane
		

Changelog for the datasheet

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Date:	2026-07-16
Notes:	Initial Release
Author:	Gary West

Previous Revisions

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