



TAOGLAS®



Datasheet

Raptor Max

Part No:
MAX1016.W.001

Description

16-in-1 Permanent Mount Antenna White with Multiband GNSS, 8 5G/4G, 6 Wi-Fi & 1 LMR Whip with Staggered RG-174/TGC-1.5DS Cables

Features:

- Low-profile, IP67 rated Enclosure
- 8* LTE MIMO 617 to 6000MHz
- 6* WIFI MIMO 2.4GHz/5.8 GHz
- 1* GPS-GLONASS- Antenna
- 1* LMR/TETRA Interchangeable Whip
- Dims: 330mm * 75.5mm * 45.2mm
- RoHS & Reach Compliant

1.	Introduction	3
2.	Specification	4
3.	Mechanical Drawing	8
4.	Packaging	9
5.	Installation Recommendation	10
6.	Antenna Characteristics	11
7.	Radiation Patterns	22
<hr/>		
	Changelog	146

Taoglas makes no warranties based on the accuracy or completeness of the contents of this document and reserves the right to make changes to specifications and product descriptions at any time without notice. Taoglas reserves all rights to this document and the information contained herein. Reproduction, use or disclosure to third parties without express permission is strictly prohibited.

Ireland & USA
ISO 9001:2015
Certified



Taiwan
ISO 9001:2015
Certified



1. Introduction



The Taoglas® Raptor MAX series combination antenna is designed to enhance the connectivity options available to you for your vehicle. With up to 16-in-1 connections available, in combinations of Multiband GNSS, 5G/4G MIMO, Wi-Fi MIMO, and LMR/VHF/UHF/Tetra, this next generation, super low-profile vehicle roof mount antenna eliminates the need for multiple antennas, saving you time and money on installations.

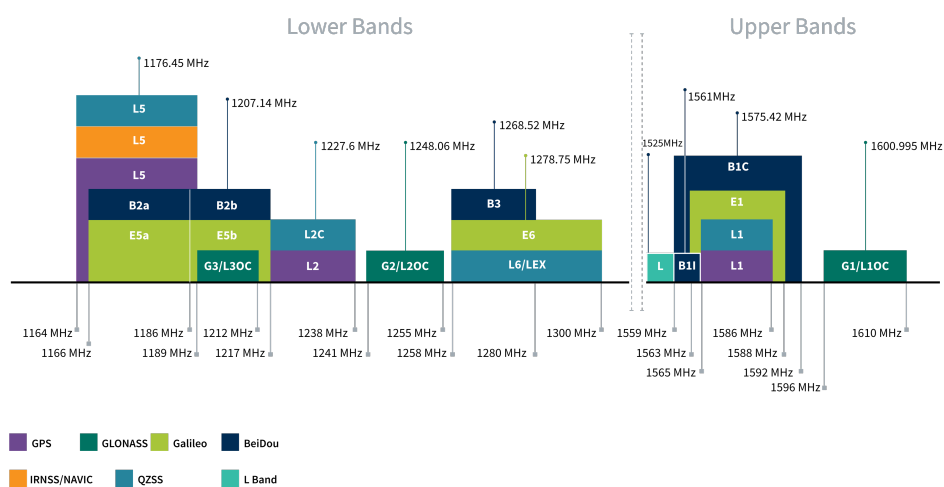
The MAX1016 can be configured in any combination of multiband GNSS (L1/L5), up to 8 5G/4G antennas, up to 6 Wi-Fi antennas and a detachable LMR or Tetra whip. The interchangeable whip allows you to add the frequency bands specific to your requirements from either the lower 130-247MHz bands or 700-900MHz depending on your requirements. The super low profile, fully IP67 rated waterproof enclosure is manufactured from a robust, IK08 rated, UV protected ABS material, ideal for use in any environment or weather condition.

The antenna comes with RG-174 and low-loss TGC-1.5DS coaxial pigtail cables as standard, terminating in SMA(M) / RP-SMA(M), with custom configurations available depending on your requirements. Several configurations will launch as standard, see below, but other configurations are available upon request, available in both black and white and with or without braided cables. Contact your local Taoglas customer service team for more information.

- **MAX1008** 8x 5G/4G
- **MAX1009** 1x GNSS & 8x 5G/4G
- **MAX1012** 1x GNSS, 8x 5G/4G & 3x Wi-Fi
- **MAX1013** 1x GNSS, 8x 5G/4G & 3x Wi-Fi
- **MAX1014** 1x GNSS, 8x 5G/4G & 5x Wi-Fi
- **MAX1015** 1x GNSS, 8x 5G/4G & 6x Wi-Fi
- **MAX1016** 1x GNSS, 8x 5G/4G, 6x Wi-Fi & 1x LMR Whip

2. Specification

GNSS Frequency Bands					
GPS	L1 1575.42 MHz	L2 1227.6 MHz	L5 1176.45 MHz		
	■	□	■		
GLONASS	G1 1602 MHz	G2 1248 MHz	G3 1207 MHz		
	□	□	□		
Galileo	E1 1575.24 MHz	E5a 1176.45 MHz	E5b 1201.5 MHz	E6 1278.75 MHz	
	■	■	□	□	
BeiDou	B1C 1575.42 MHz	B1I 1561 MHz	B2a 1176.45 MHz	B2b 1207.14 MHz	B3 1268.52 MHz
	■	■	■	□	□
L-Band	L-Band 1542 MHz				
	□				
QZSS (Regional)	L1 1575.42 MHz	L2C 1227.6 MHz	L5 1176.45 MHz	L6 1278.75e6	
	■	□	■	□	
IRNSS (Regional)	L5 1176.45 MHz				
	■				
SBAS	L1/E1/B1 1575.42 MHz	L5/B2a/E5a 1176.45 MHz	G1 1602 MHz	G2 1248 MHz	G3 1207 MHz
	■	■	□	□	□



GNSS Bands and Constellations

GNSS Electrical				
Frequency (MHz)	1176.45	1561	1575.42	1603
VSWR (max.)	3:1	3:1	3:1	8:1
Passive Antenna Efficiency (%)	37.77	33.44	40.65	17.73
Passive Antenna Gain at Zenith (dBi)	1.75	3.59	4.51	1.19
Axial Ratio (dB)	8.43	22.05	14.71	12.86
Polarization	RHCP			
Impedance	50 Ω			

LNA and Filter Electrical Properties				
Frequency (MHz)	1176.45	1561	1575.42	1603
Gain@3.0V	12.6	11.5	11.1	10.9
Noise@3.0V	2.0	2.2	2.6	2.2
DC Power Input	1.8-5.5V			
Power consumption@5.5V (mA)	10mA +/- 3			

LTE Electrical									
Band	Frequency (MHz)	Measurement	Efficiency (%)	Average Gain (dB)	Peak Gain (dBi)	Impedance	Polarization	Radiation Pattern	Max. input power
5G NR/4G Band 71	617-698	LTE1	27.0	-5.69	2.03	50 Ω	Linear	Omni	2W
		LTE2	20.4	-6.91	-1.50				
		LTE3	25.6	-5.92	0.17				
		LTE4	44.1	-3.56	3.54				
		LTE5	24.9	-6.04	2.68				
		LTE6	24.5	-6.11	-0.41				
		LTE7	25.1	-6.00	-1.18				
		LTE8	29.9	-5.24	0.85				
4G/3G Band 12,13,14,17,28,29	698-824	LTE1	34.1	-4.67	2.63				
		LTE2	32.0	-4.95	1.92				
		LTE3	35.7	-4.48	2.67				
		LTE4	42.9	-3.67	2.75				
		LTE5	32.0	-4.95	1.77				
		LTE6	26.4	-5.79	-0.11				
		LTE7	32.9	-4.83	1.97				
		LTE8	36.4	-4.39	2.24				
4G/3G/NB-IoT/Cat M Band 5,8,18,19,20,26,27	824-960	LTE1	38.3	-4.16	1.52				
		LTE2	36.0	-4.44	1.50				
		LTE3	28.3	-5.48	1.20				
		LTE4	35.5	-4.49	2.45				
		LTE5	29.9	-5.24	1.53				
		LTE6	28.7	-5.43	-0.35				
		LTE7	36.3	-4.40	2.66				
		LTE8	40.1	-3.97	2.58				
5G NR/4G Band 21,32,74,75,76	1427-1518	LTE1	37.4	-4.27	2.73				
		LTE2	41.9	-3.78	3.32				
		LTE3	33.1	-4.81	2.78				
		LTE4	32.9	-4.82	2.33				
		LTE5	31.2	-5.06	2.10				
		LTE6	31.5	-5.01	1.43				
		LTE7	39.7	-4.02	2.25				
		LTE8	25.7	-5.91	0.94				
4G/3G Band 1,2,3,4,9,23,25,35,39,66	1710-2200	LTE1	46.4	-3.34	4.93				
		LTE2	47.2	-3.26	4.61				
		LTE3	51.5	-2.88	5.48				
		LTE4	48.7	-3.13	5.34				
		LTE5	51.5	-2.88	6.07				
		LTE6	49.3	-3.07	6.07				
		LTE7	29.8	-5.26	4.22				
		LTE8	31.3	-5.04	2.93				
4G/3G Band 7,30,38,40,41	2300-2690	LTE1	49.9	-3.02	5.47				
		LTE2	48.3	-3.16	4.39				
		LTE3	48.2	-3.17	6.12				
		LTE4	38.8	-4.12	6.69				
		LTE5	39.2	-4.07	5.96				
		LTE6	49.2	-3.08	6.79				
		LTE7	39.7	-4.01	5.28				
		LTE8	43.1	-3.65	6.09				
5G NR/4G Band 22,42,48,77,78,79	3300-5000	LTE1	51.4	-2.89	6.13				
		LTE2	44.9	-3.48	7.46				
		LTE3	47.4	-3.24	5.75				
		LTE4	48.2	-3.17	6.88				
		LTE5	42.5	-3.72	5.24				
		LTE6	46.2	-3.35	5.90				
		LTE7	43.1	-3.65	5.37				
		LTE8	46.1	-3.36	6.02				
LTE5200/Wi-Fi5800	5150-5925	LTE1	43.2	-3.65	7.96				
		LTE2	42.7	-3.69	7.82				
		LTE3	43.4	-3.63	5.67				
		LTE4	46.5	-3.33	5.73				
		LTE5	42.7	-3.70	5.26				
		LTE6	43.6	-3.61	5.84				
		LTE7	40.1	-3.97	6.03				
		LTE8	44.6	-3.50	6.14				

Wi-Fi Electrical									
Band	Frequency (MHz)	Measurement	Efficiency (%)	Average Gain (dB)	Peak Gain (dBi)	Impedance	Polarization	Radiation Pattern	Max. input power
Wi-Fi - 2GHz	2400-2500	Wi-Fi1	56.5	-2.48	4.36	50 Ω	Linear	Omni	2W
		Wi-Fi2	58.2	-2.35	6.55				
		Wi-Fi3	56.1	-2.51	5.68				
		Wi-Fi4	58.1	-2.36	4.19				
		Wi-Fi5	53.3	-2.73	7.60				
		Wi-Fi6	52.7	-2.78	6.98				
Wi-Fi - 5GHz	5150-5850	Wi-Fi1	49.3	-3.07	5.71				
		Wi-Fi2	49.5	-3.05	7.47				
		Wi-Fi3	47.8	-3.20	5.63				
		Wi-Fi4	45.9	-3.38	6.10				
		Wi-Fi5	50.5	-2.97	8.04				
		Wi-Fi6	44.7	-3.50	8.51				
Wi-Fi - 6GHz	5925-7125	Wi-Fi1	47.1	-3.27	6.33				
		Wi-Fi2	49.9	-3.02	7.47				
		Wi-Fi3	48.4	-3.15	6.28				
		Wi-Fi4	43.1	-3.66	5.96				
		Wi-Fi5	46.2	-3.36	7.31				
		Wi-Fi6	43.7	-3.60	7.22				

Mechanical	
Dimensions	330 x 75.5 x 45.2mm
Material	PC
Connector	SMA(M) and RP-SMA(M) - See Page 8 for more details
Cable	RG-174 and TGC-1.5DS - See Page 8 for more details
IK Impact Rating	IK08 – 5 Joules / 1.7Kg dropped from 300mm

Environmental	
Temperature Range	-40 - +85°C
Relative Humidity	Non-condensing 65°C 95% RH
Ingress Protection	IP67
RoHS & REACH Compliant	Yes

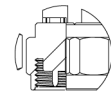
3. Mechanical Drawing



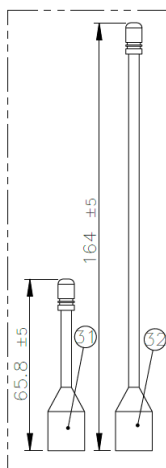
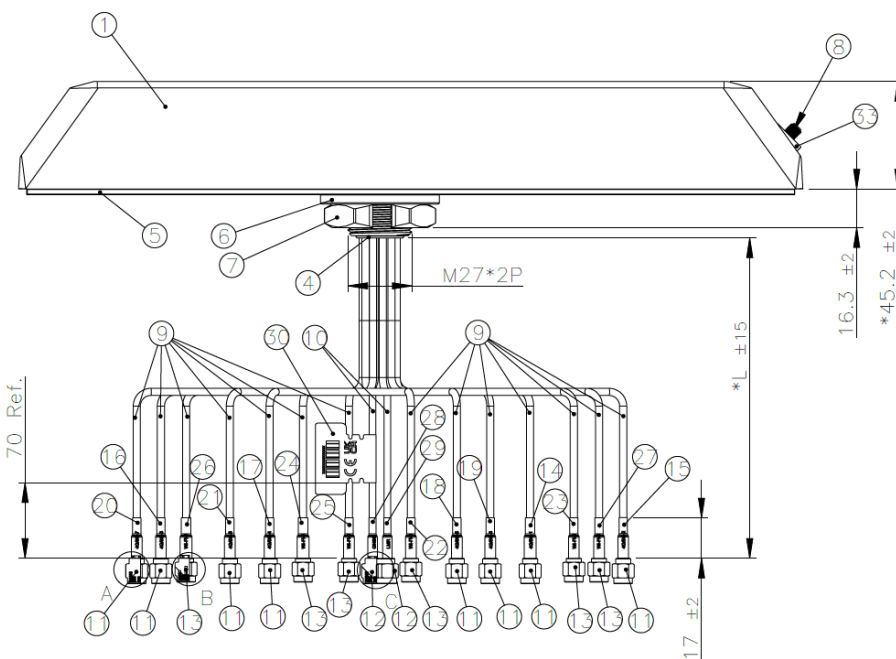
DETAIL A
SCALE 1.5 : 1



DETAIL B
SCALE 1.5 : 1



DETAIL C
SCALE 1.5 : 1



Whip antennas

Cable length from base	
Cable P/N	L
4G-5G -1	300
4G-5G -2	275
4G-5G -3	275
4G-5G -4	250
4G-5G -5	200
4G-5G -6	200
4G-5G -7	225
4G-5G -8	225
WiFi-1	250
WiFi-2	225
WiFi-3	225
WiFi-4	200
WiFi-5	200
WiFi-6	325
GNSS	300
LMR	325

	Name	Material	Finish	Qty
1	Top housing	PC	White	1
2	Bottom housing	PC+10%GF/Sab ic 505RU	MT9050, White	1
3	Metal Stem	Zinc Alloy	Ni Plated	1
4	Grommet	Silicone Rubber	Black	1
5	Double Side Adhesive	3M 9448HK + CR4305 2t	Black	1
6	washer(I D28*OD50 t4.0)	S45C	Ni-Zn Plated	1
7	M27*P2.0mm steel Nut	S45C	Ni-Zn Plated	1
8	M6*0.75P screw	Brass	Ni Plated	1
9	TGC-1.5DS Coaxial Cable	PE	Black	14
10	RG174 Coaxial Cable	PE	Black	2
11	SMA(M)ST Plug for low loss 1.5DS	Brass	Au Plated	8
12	SMA(M)ST Plug	Brass	Au Plated	2
13	SMA(M)ST_RP low loss 1.5DS	Brass	AU PLATING	6
14	Heat Shrink Tube(4G/5G-1)	PE	Red Tube/White Text	1
15	Heat Shrink Tube(4G/5G-2)	PE	Red Tube/White Text	1
16	Heat Shrink Tube(4G/5G-3)	PE	Red Tube/White Text	1
17	Heat Shrink Tube(4G/5G-4)	PE	Red Tube/White Text	1
18	Heat Shrink Tube(4G/5G-5)	PE	Red Tube/White Text	1
19	Heat Shrink Tube(4G/5G-6)	PE	Red Tube/White Text	1
20	Heat Shrink Tube(4G/5G-7)	PE	Red Tube/White Text	1
21	Heat Shrink Tube(4G/5G-8)	PE	Red Tube/White Text	1
22	Heat Shrink Tube (WiFi-1)	PE	Yellow tube/ Black text	1
23	Heat Shrink Tube (WiFi-2)	PE	Yellow Tube/Black Text	1
24	Heat Shrink Tube (Wi- Fi-3)	PE	Yellow Tube /Black Text	1
25	Heat Shrink Tube (Wi- Fi-4)	PE	Yellow Tube /Black Text	1
26	Heat Shrink Tube (Wi- Fi-5)	PE	Yellow Tube /Black Text	1
27	Heat Shrink Tube (Wi- Fi-6)	PE	Yellow Tube /Black Text	1
28	Heat Shrink Tube(GNSS)	PE	Blue Tube/White Text	1
29	Heat Shrink Tube(LMR)	PE	Green Tube/White Text	1
30	CE,WEEE and UKCA mark logo Label	PEPA	White	1
31	Flexible Whip Antenna 700-900MHz	PVC	White	1
32	Flexible Whip Antenna 380-400MHz	PVC	White	1
33	Foam adhesive	Silicone Rubber	White	1

4. Packaging

1pc Small Whip per PE Bag



1pc Large Whip per PE Bag



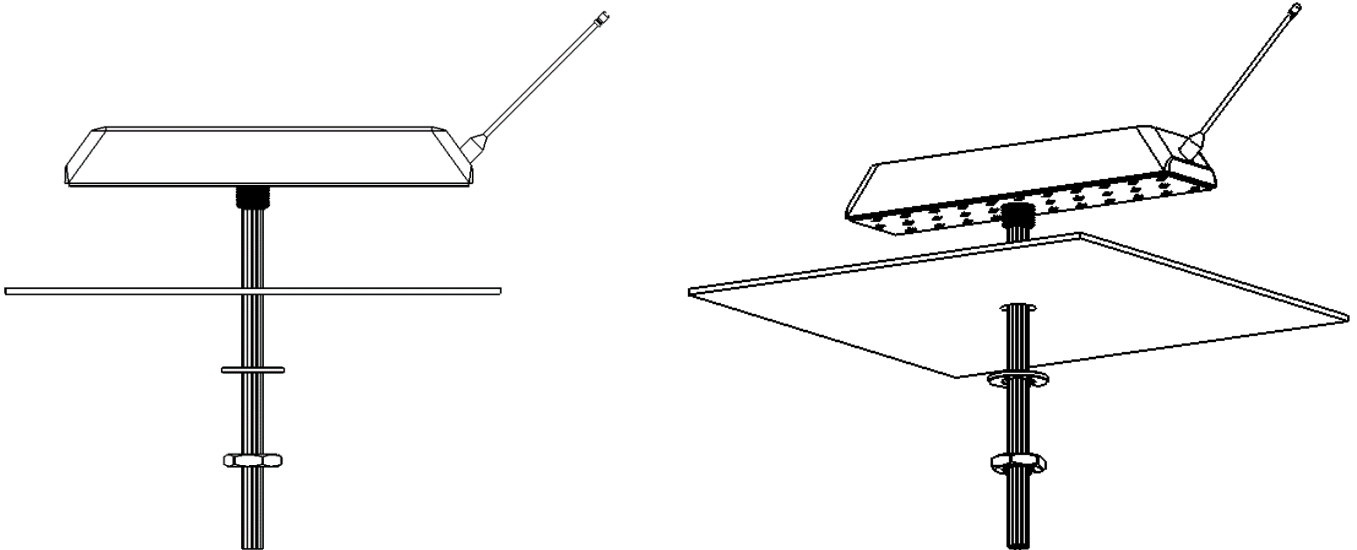
1pc Antenna per Large PE Bag
 Bag Dimensions: 470x470mm
 Weight: 0.58Kg



8pcs per Carton
 Carton Dimensions: 370x370x300mm
 Weight: 6.1Kg



5. Installation Recommendation



Correct installation of the Raptor Max is required to ensure that the waterproof integrity of the vehicle or enclosure is not compromised.

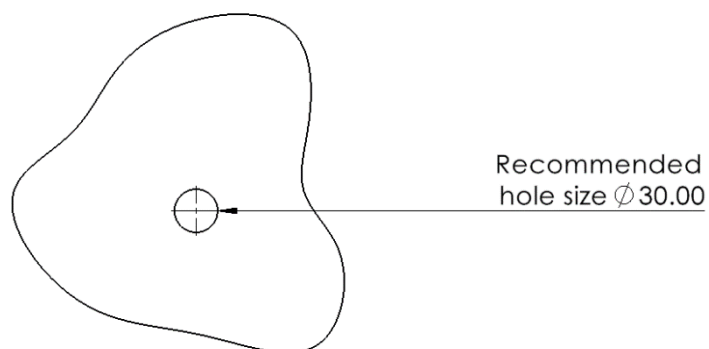
Step 1: Drill the recommended 30mm diameter hole as indicated below.

Step 2: Ensure that the surface you are mounting to is clean, dry and flat to receive the Raptor Max.

Step 3: Feed the cables through the hole and remove the 3m adhesive backing from the base.

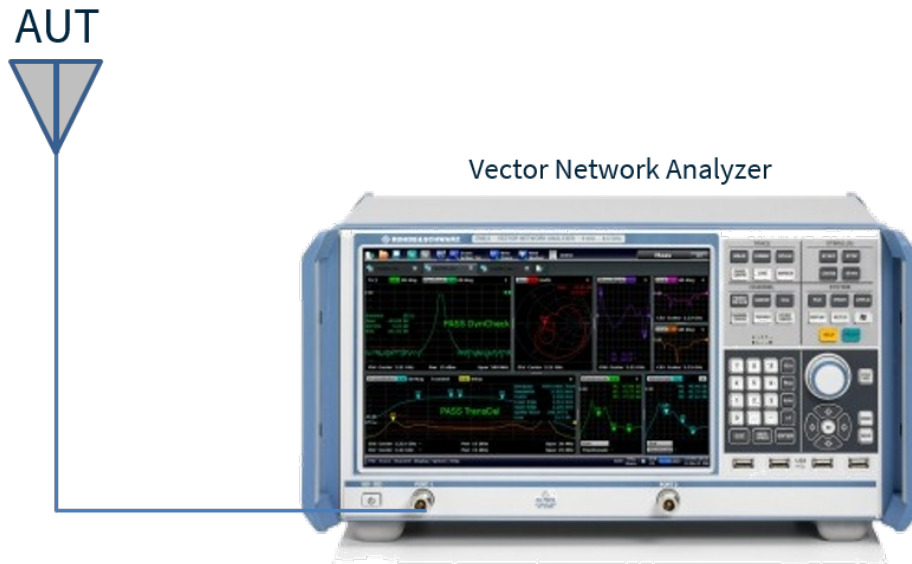
Step 4: Position the Raptor Max into the correct orientation on the mounting surface and firmly press down to activate the 3M adhesive.

Step 5: To permanently mount the antenna, slide the washer and nut over the cable assembly and hand tighten to ensure a secure fit.



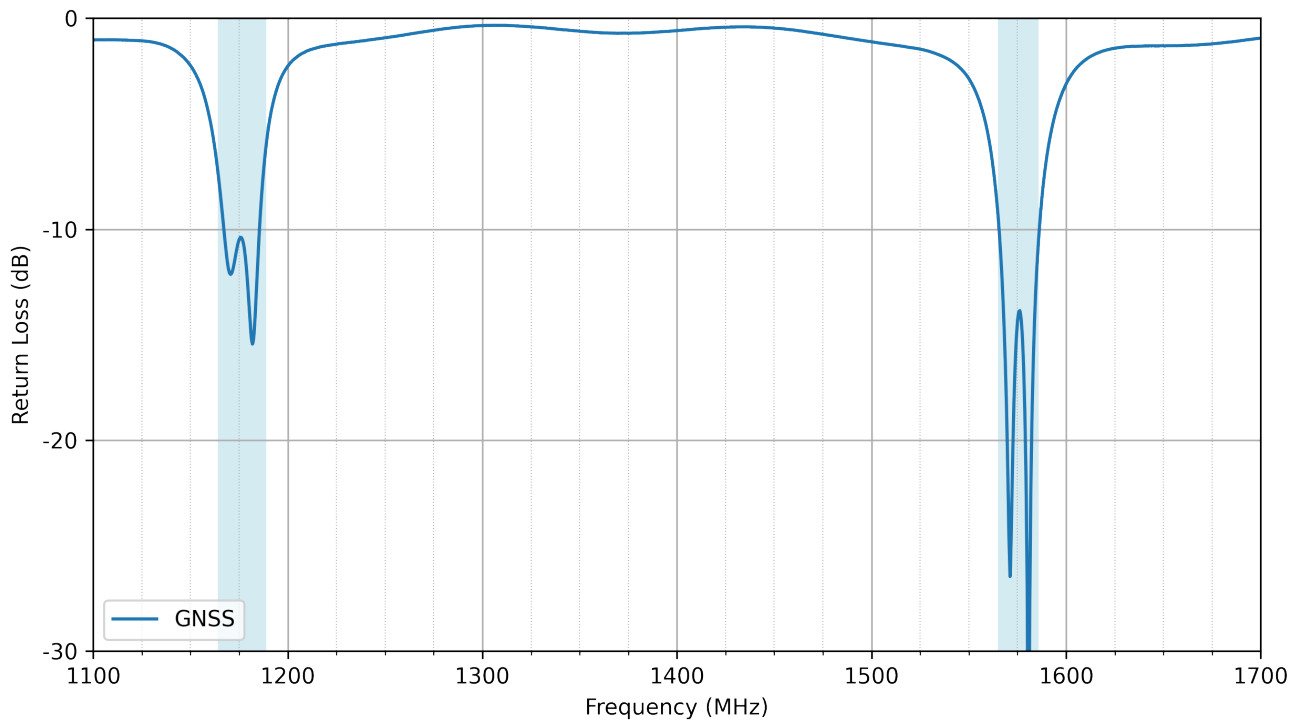
6. Antenna Characteristics

6.1 Test Setup

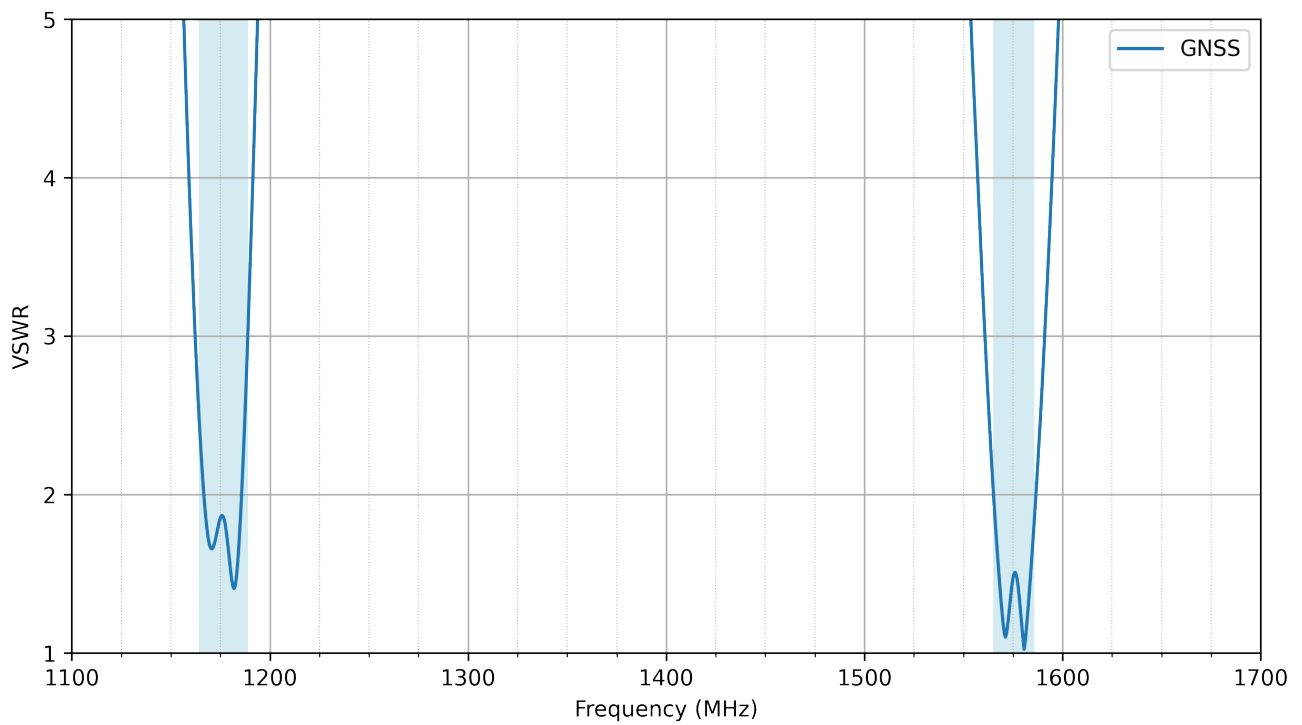


VNA Test Set-up

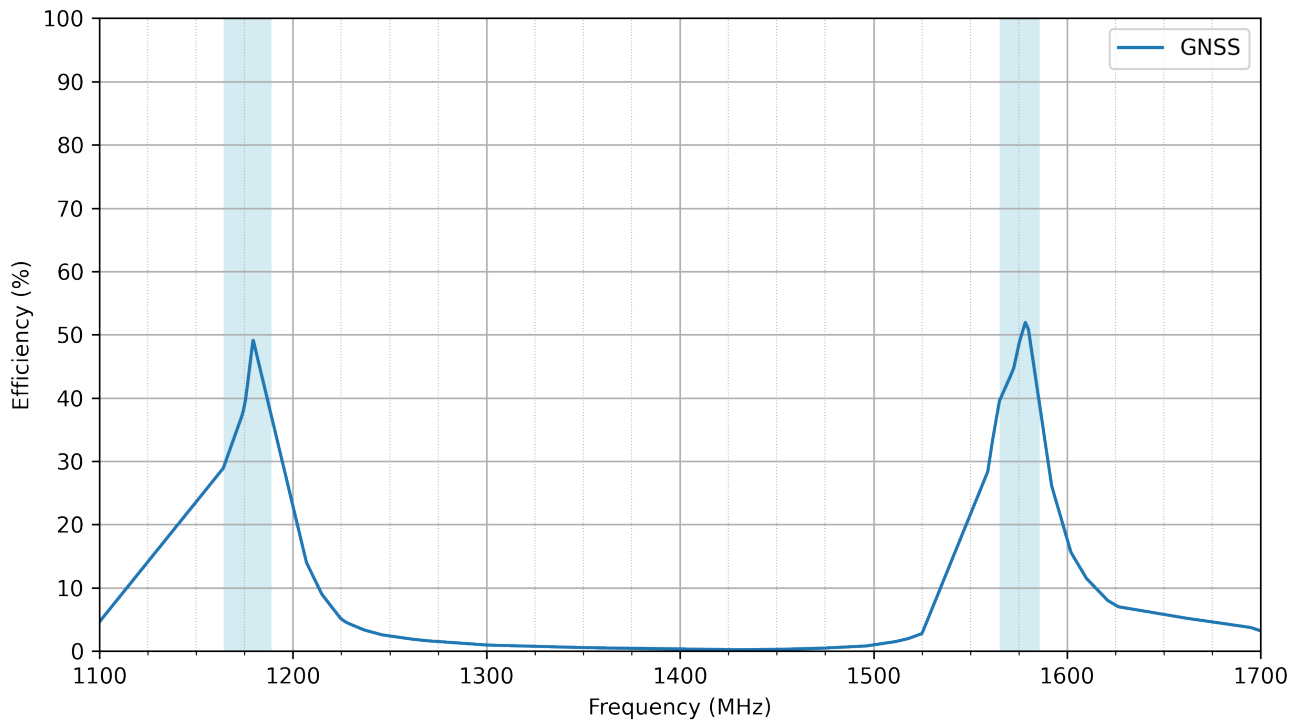
6.2 GNSS - Return Loss



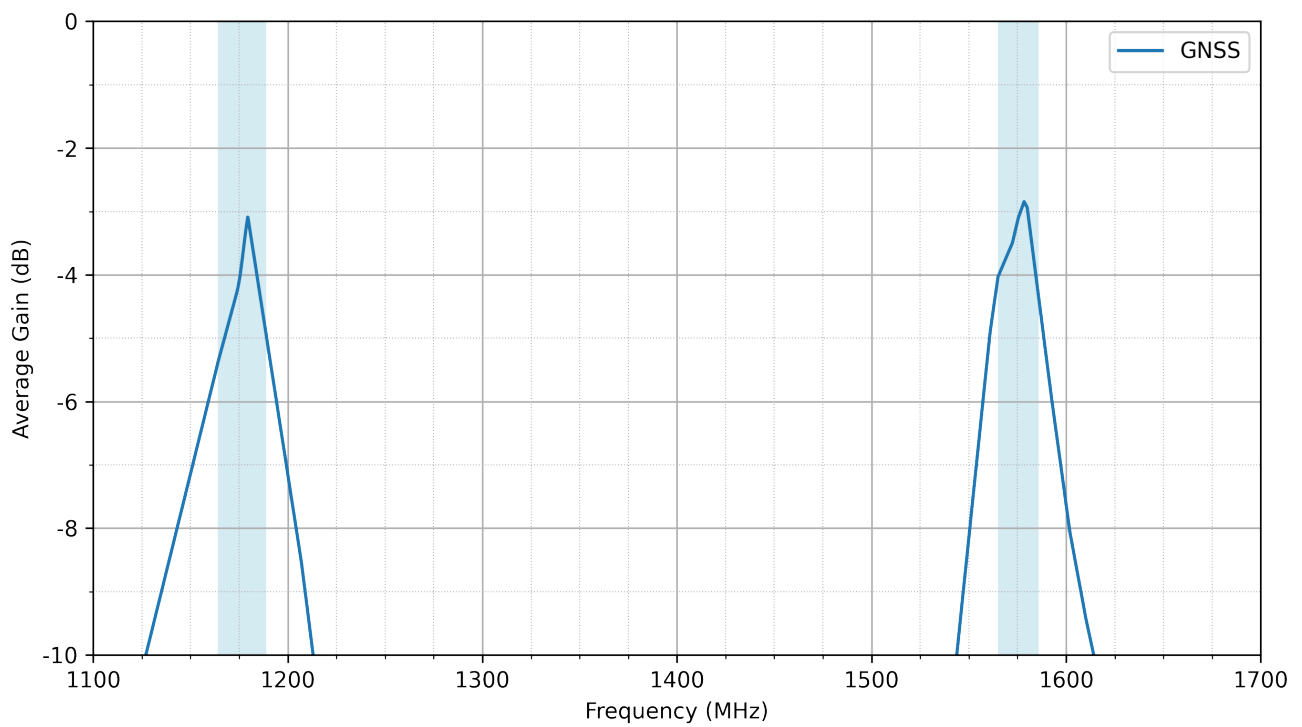
6.3 GNSS - VSWR



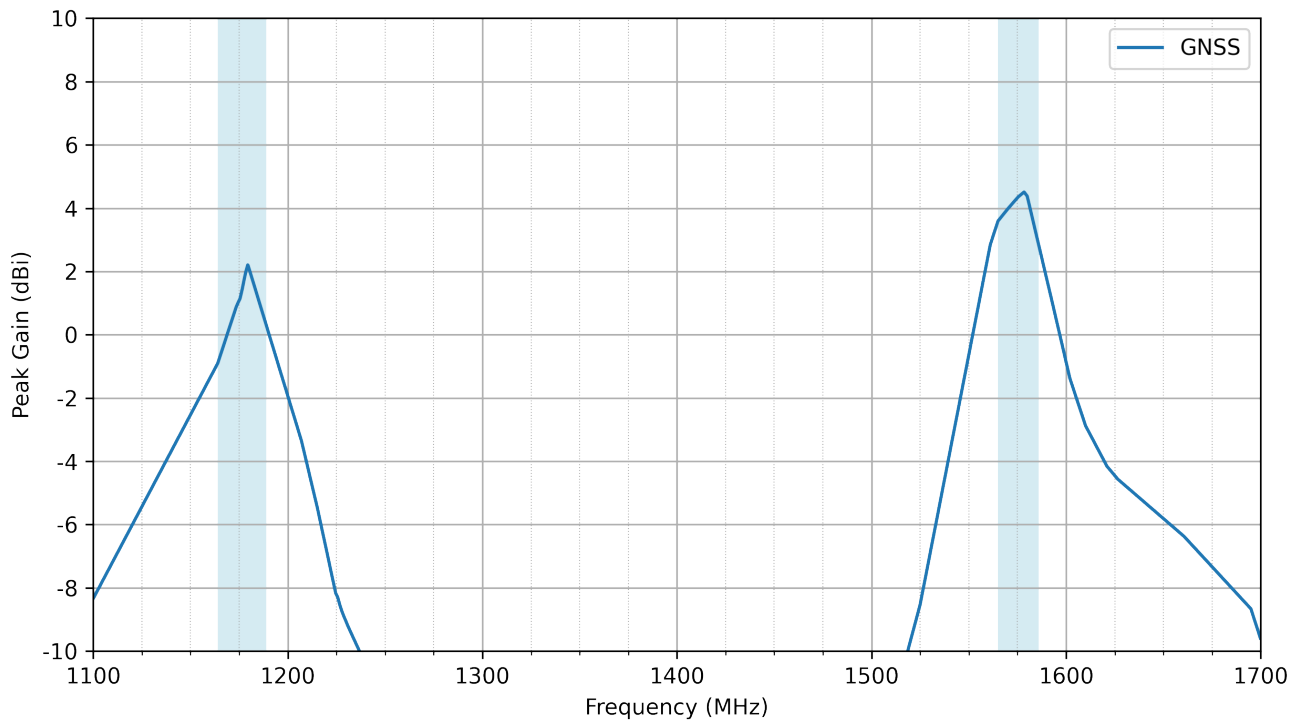
6.4 GNSS - Efficiency



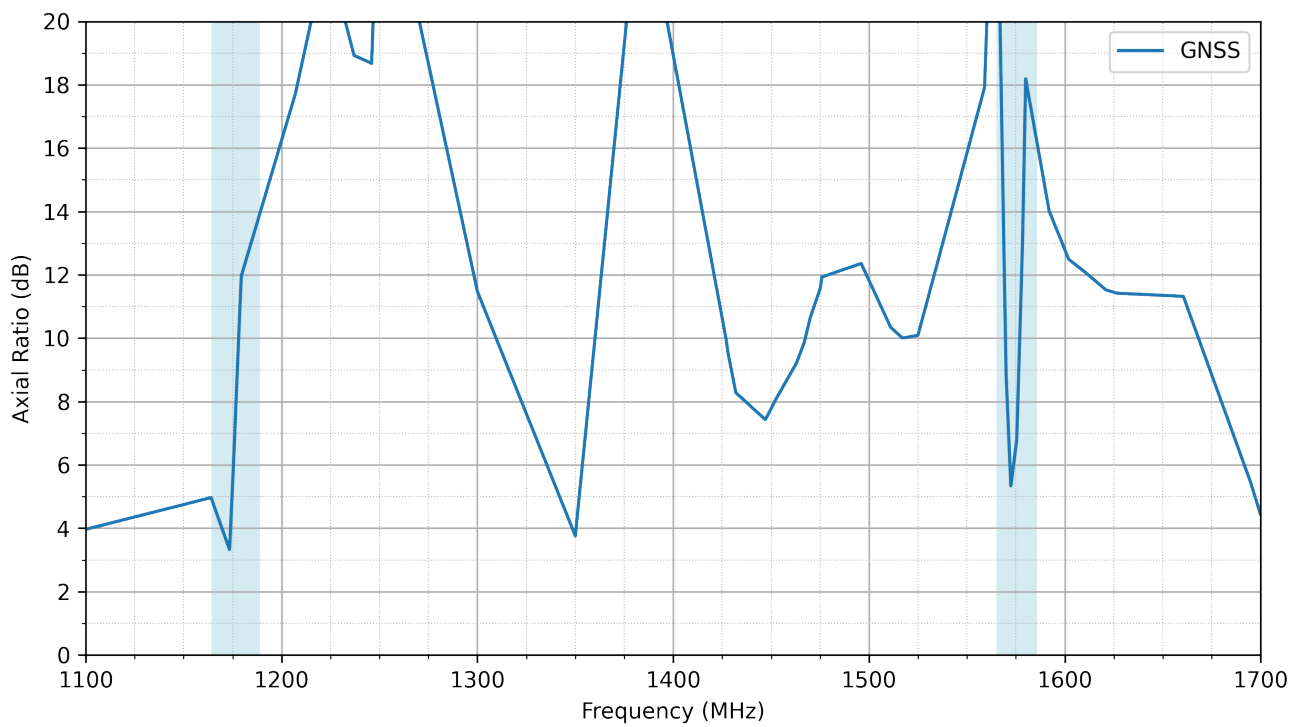
6.5 GNSS - Average Gain



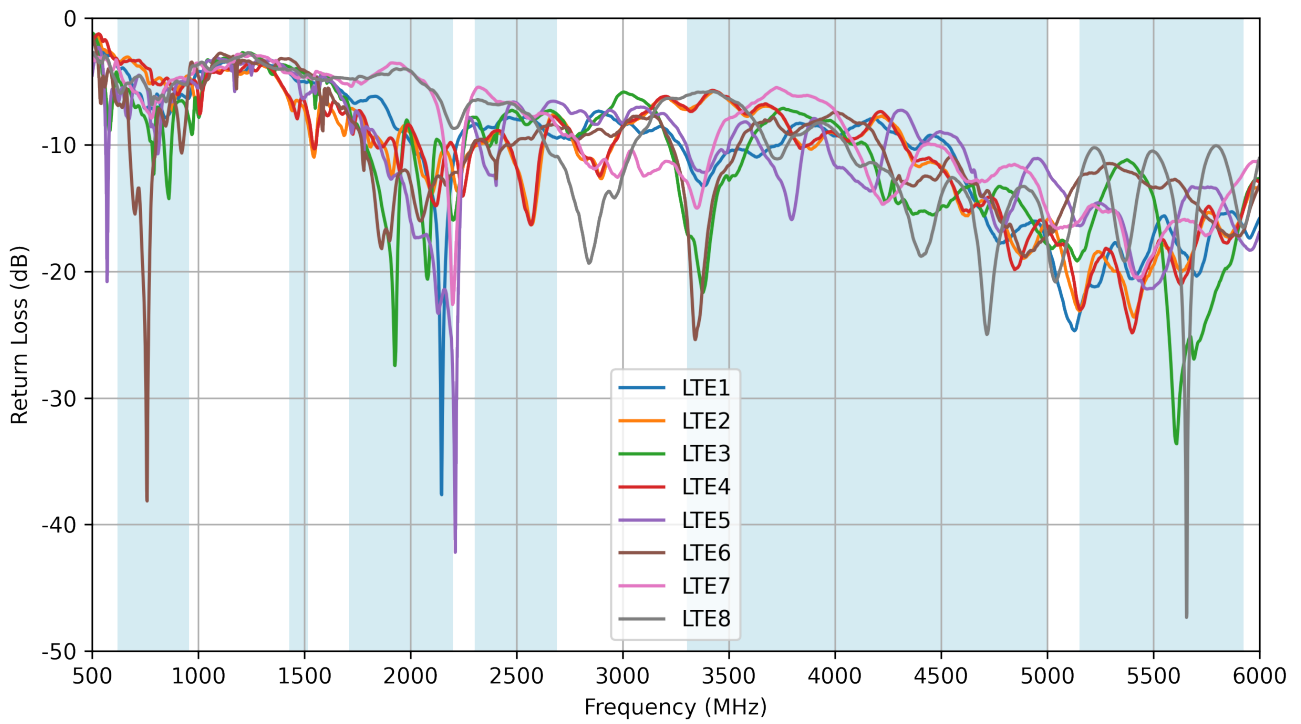
6.6 GNSS - Peak Gain (Gtotal)



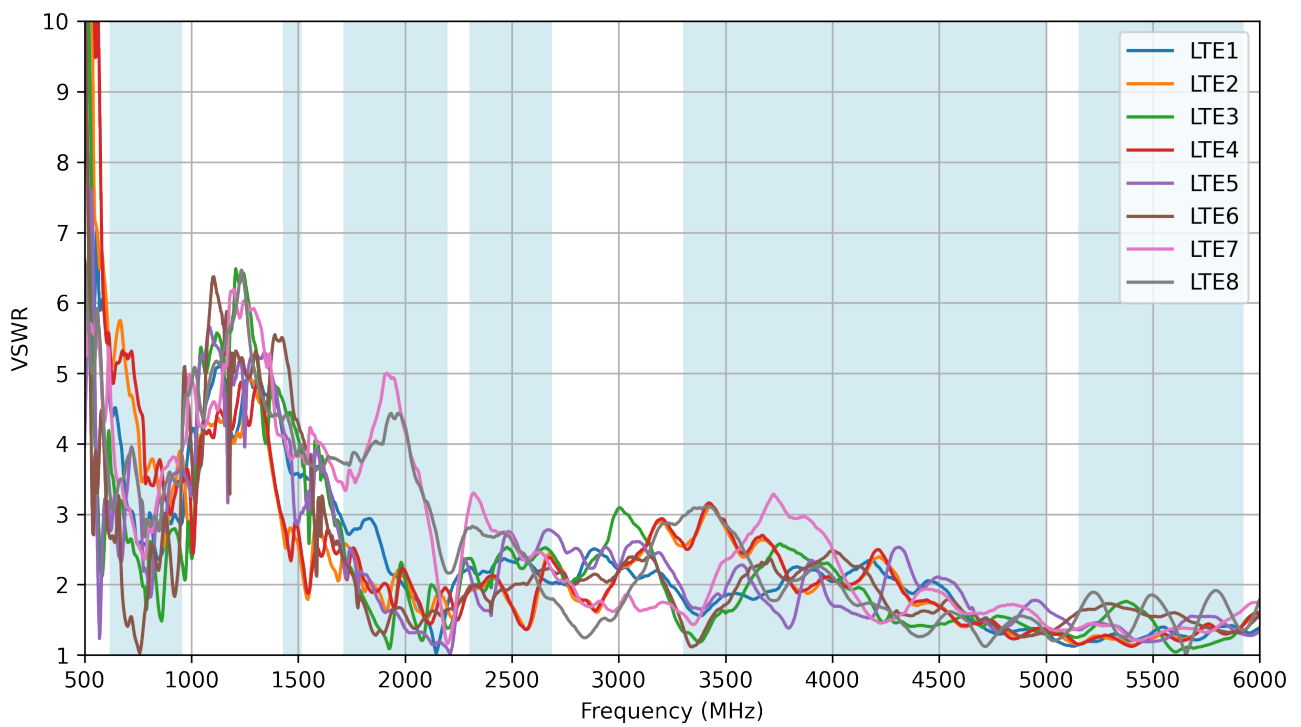
6.7 Axial Ratio



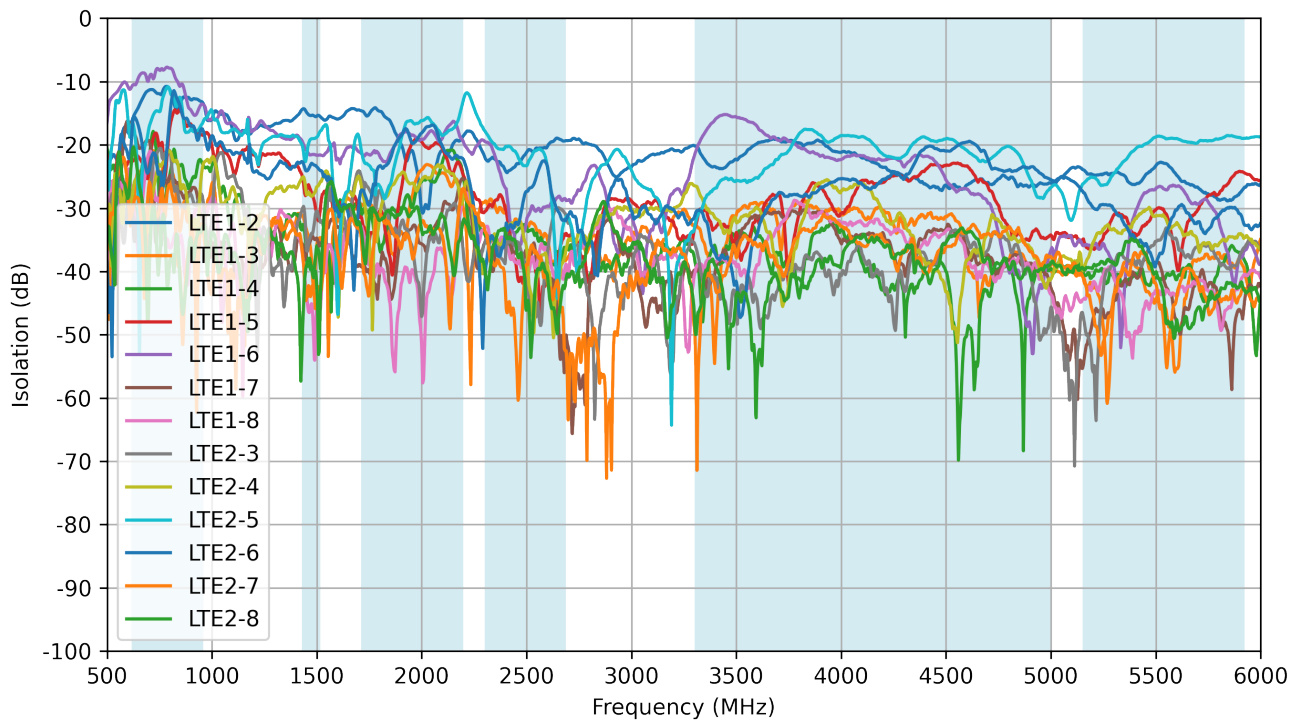
6.8 LTE - Return Loss



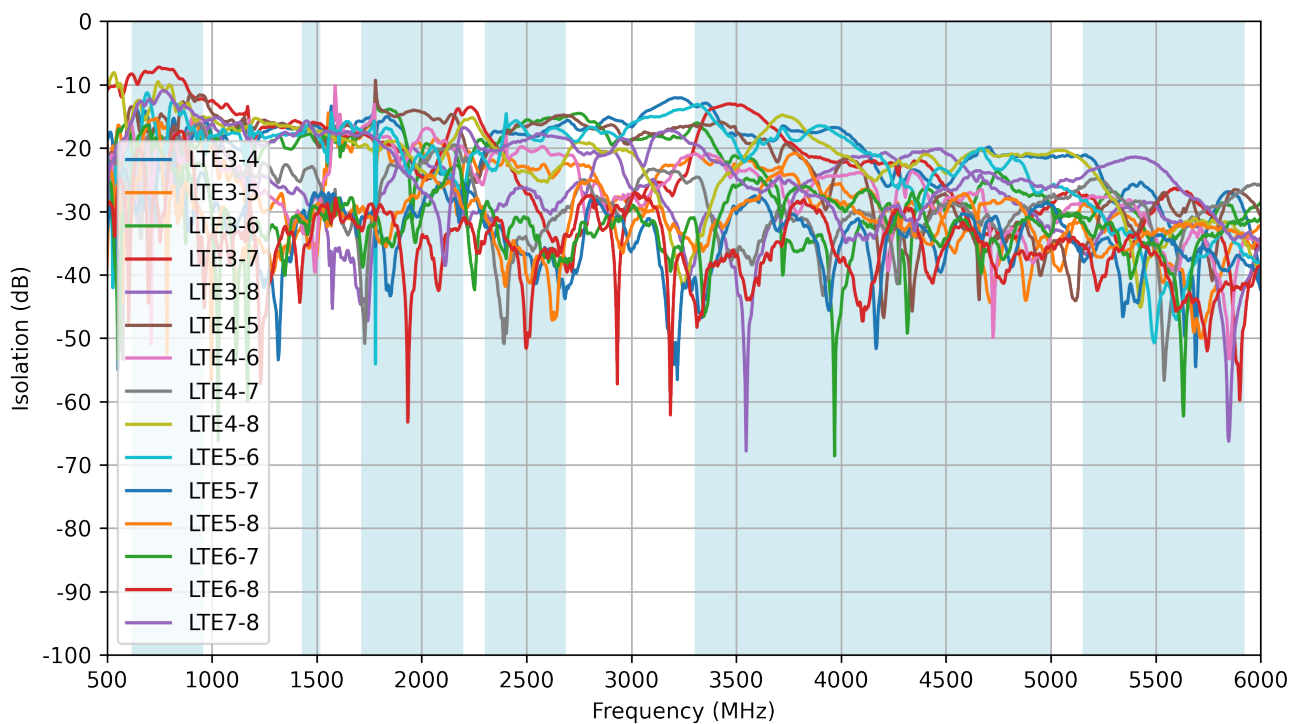
6.9 LTE - VSWR



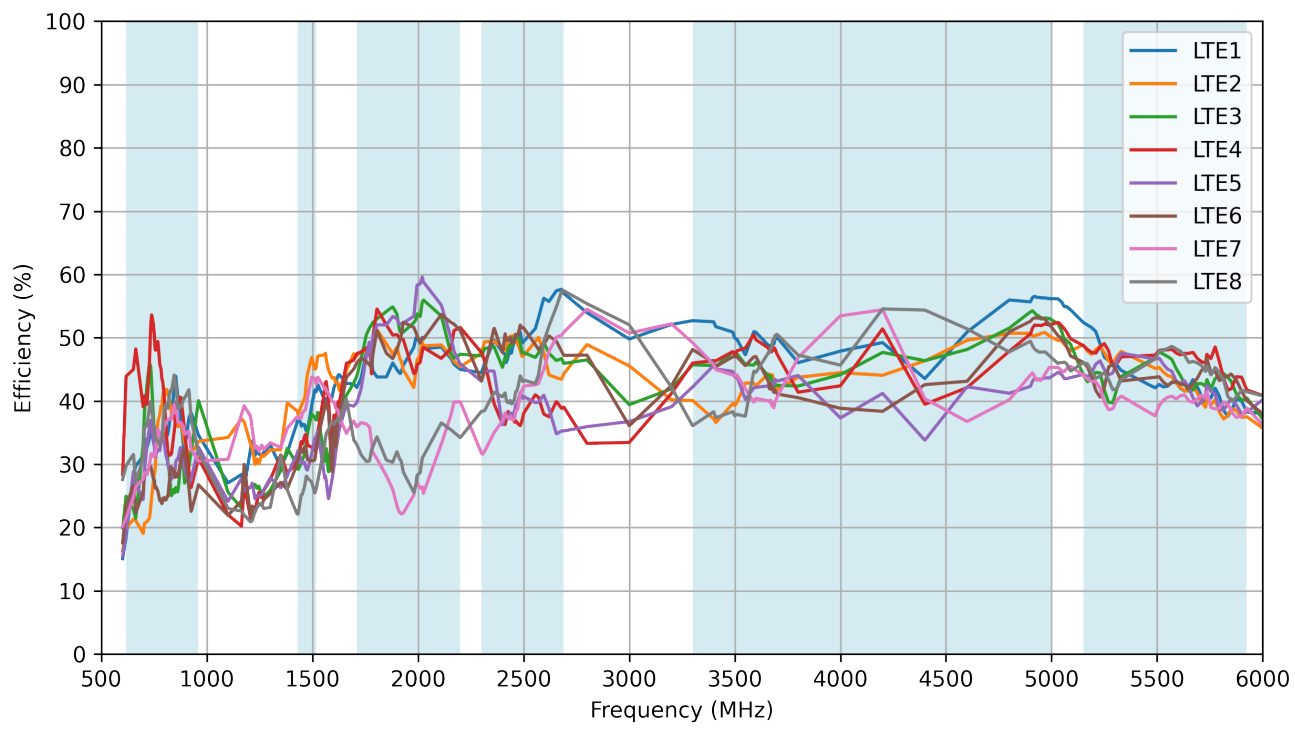
6.10 Isolation



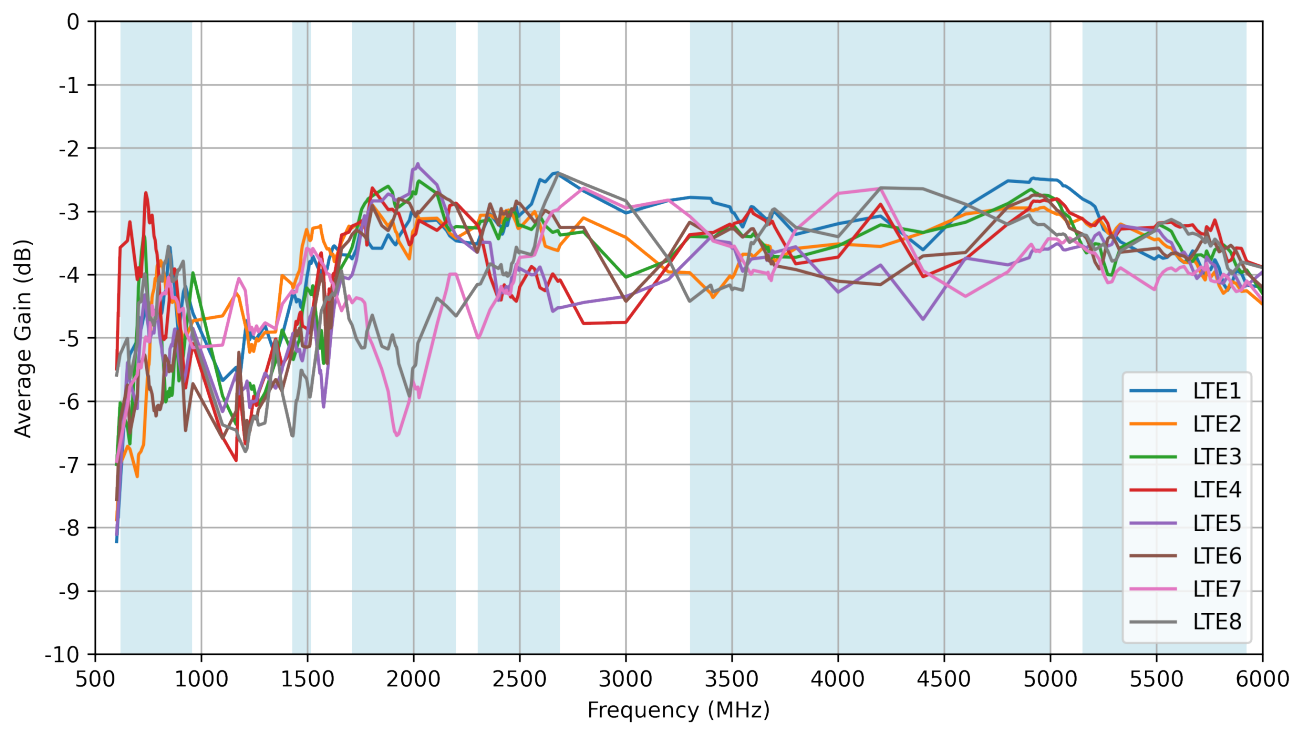
6.11 Isolation



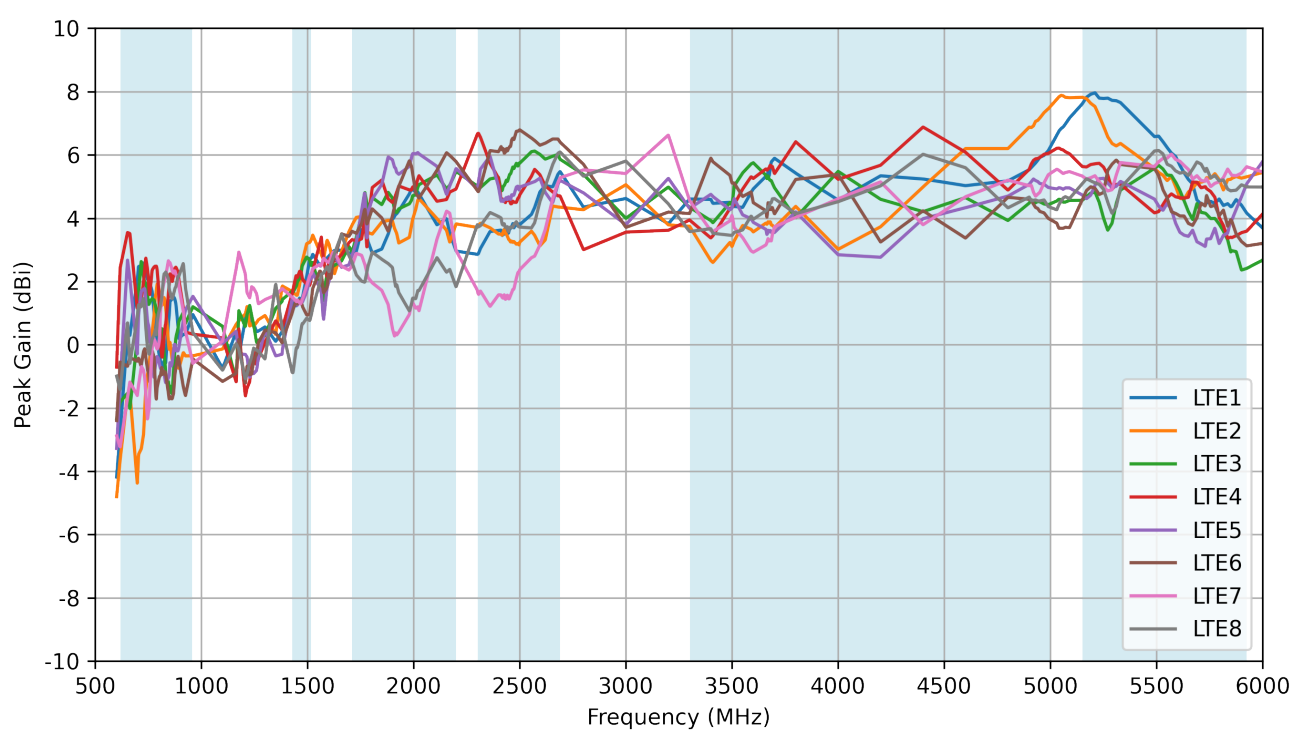
6.12 LTE - Efficiency



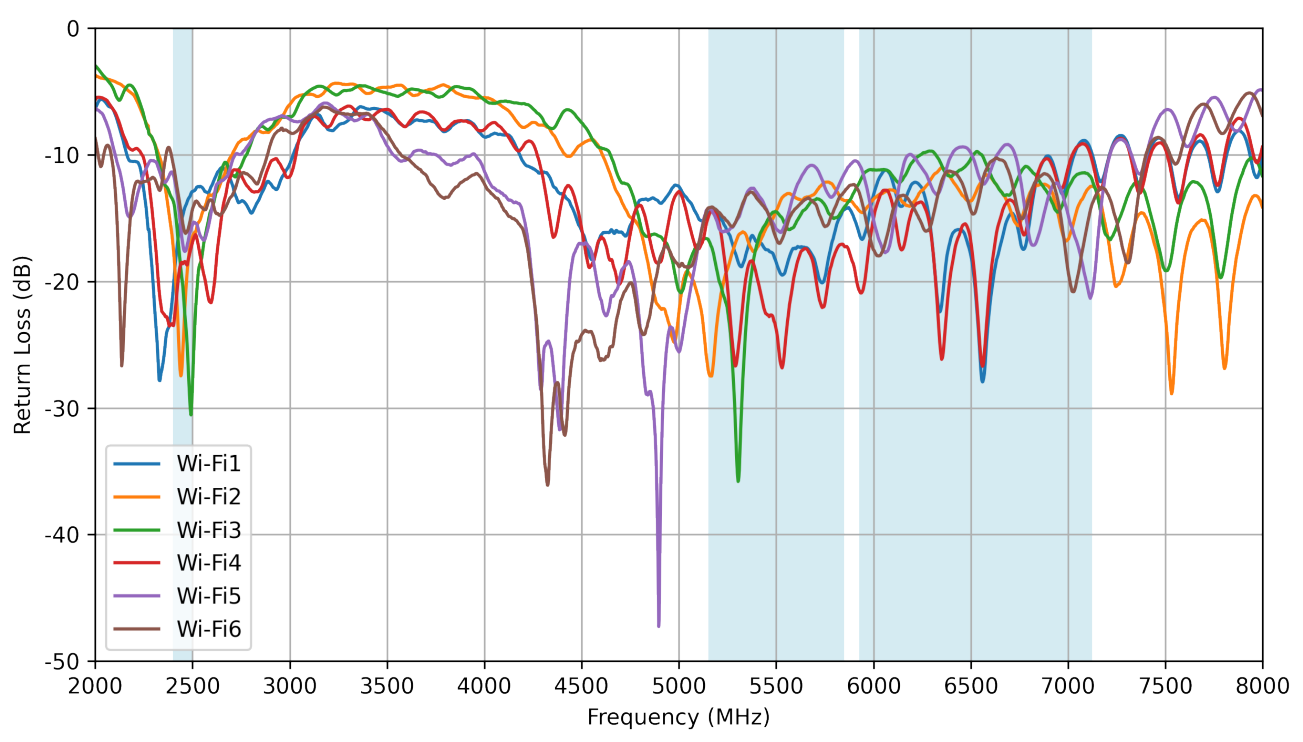
6.13 LTE - Average Gain



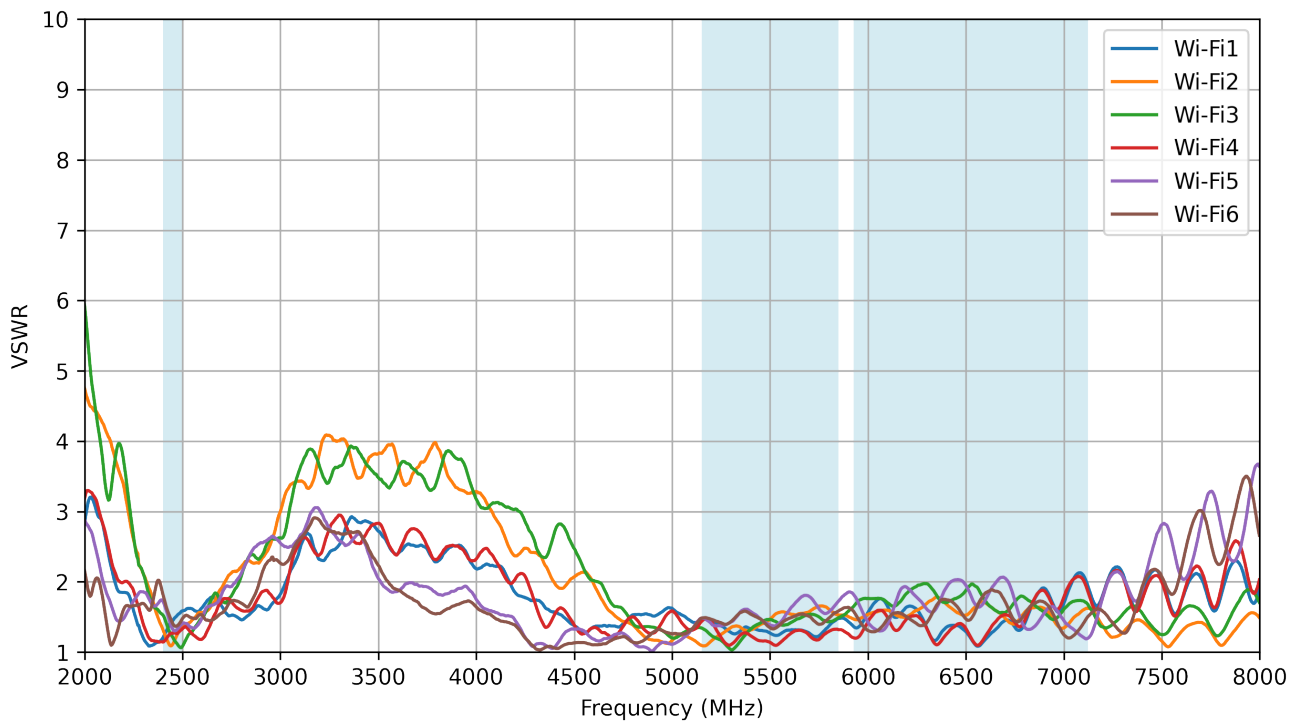
6.14 LTE - Peak Gain



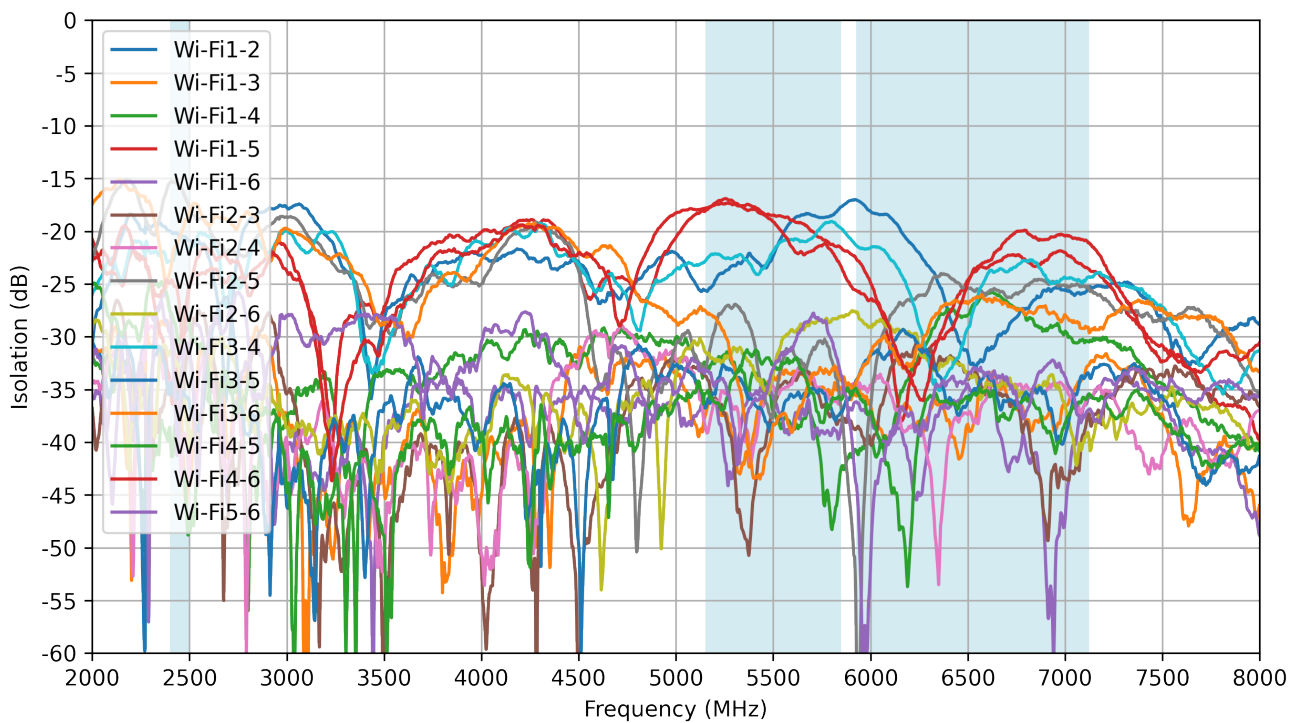
6.15 Wi-Fi - Return Loss



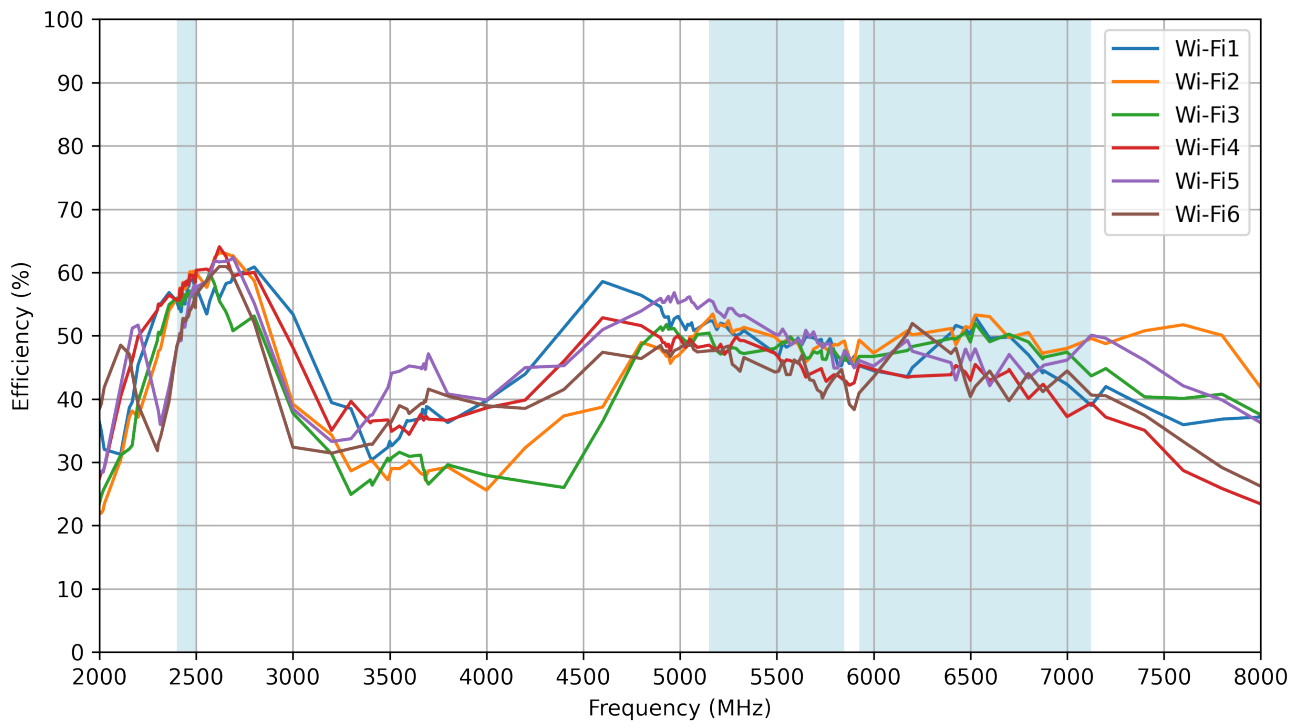
6.16 Wi-Fi - VSWR



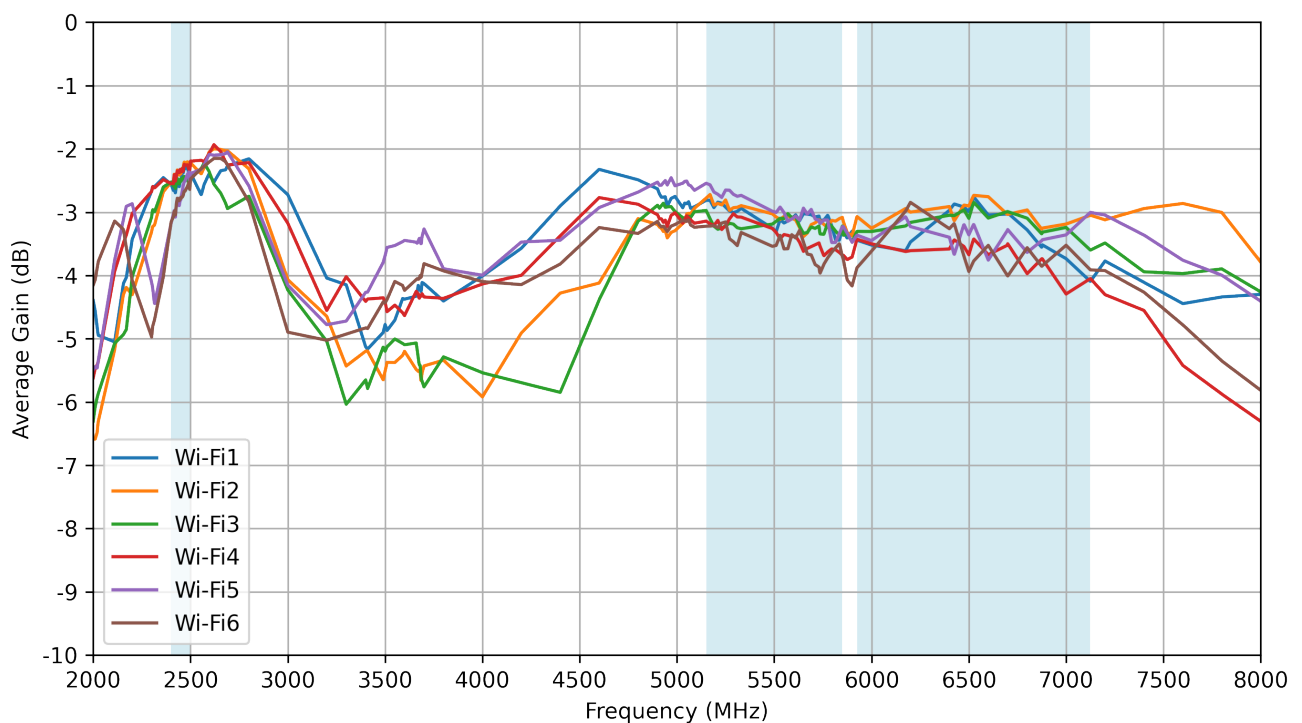
6.17 Wi-Fi - Isolation



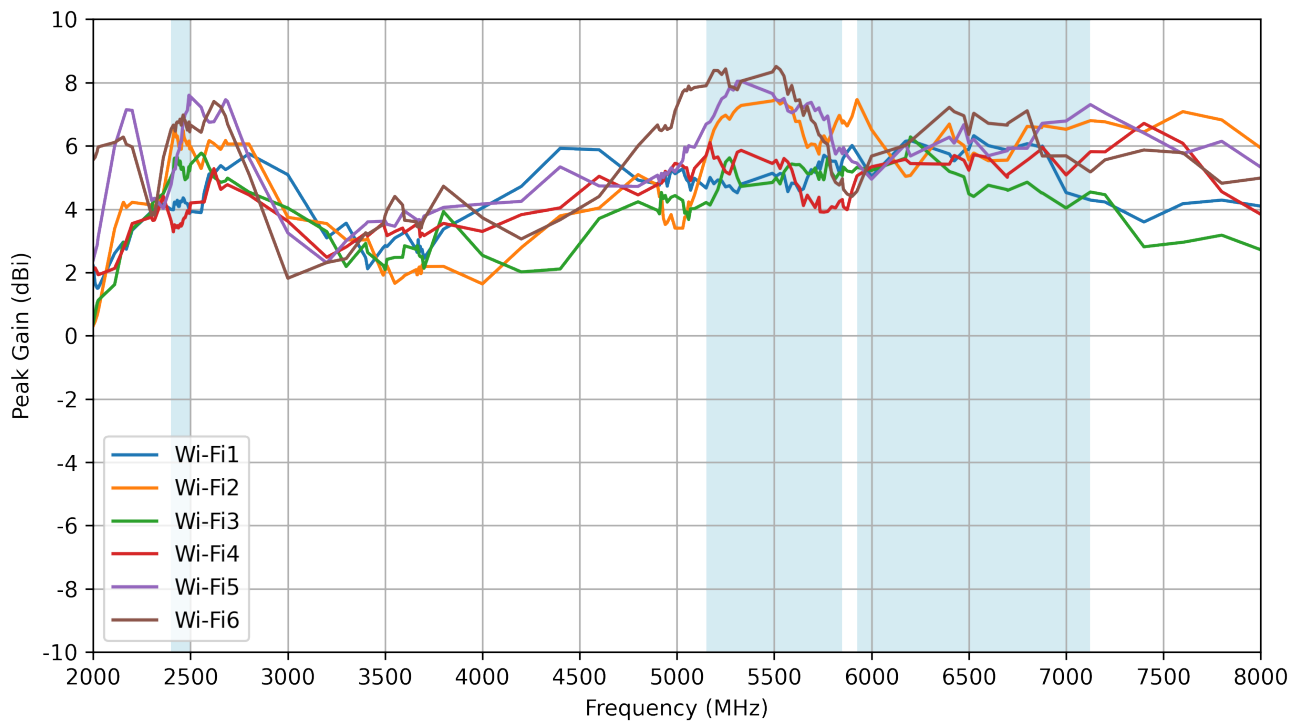
6.18 Wi-Fi - Efficiency



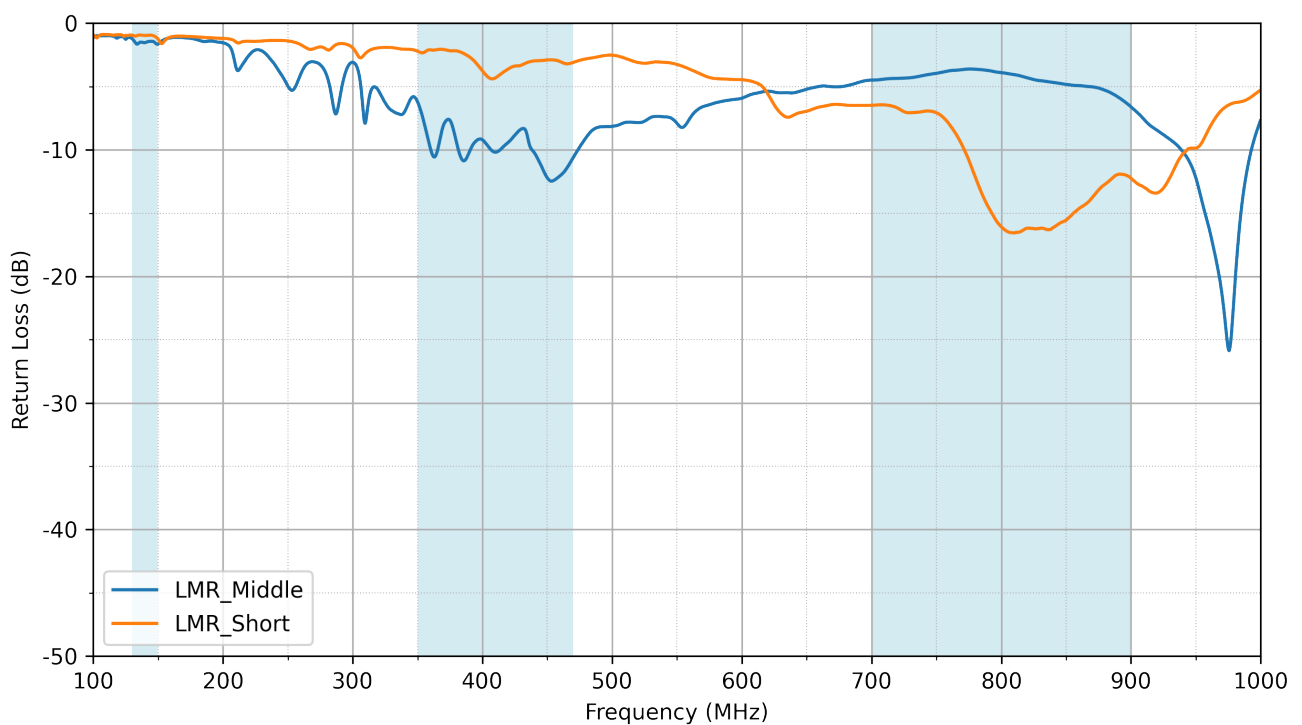
6.19 Wi-Fi - Average Gain



6.20 Wi-Fi - Peak Gain

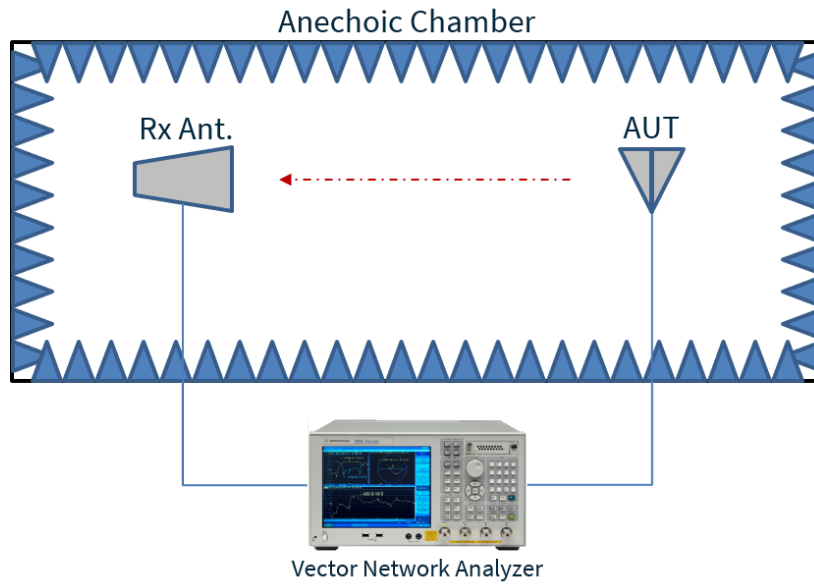


6.21 LMR



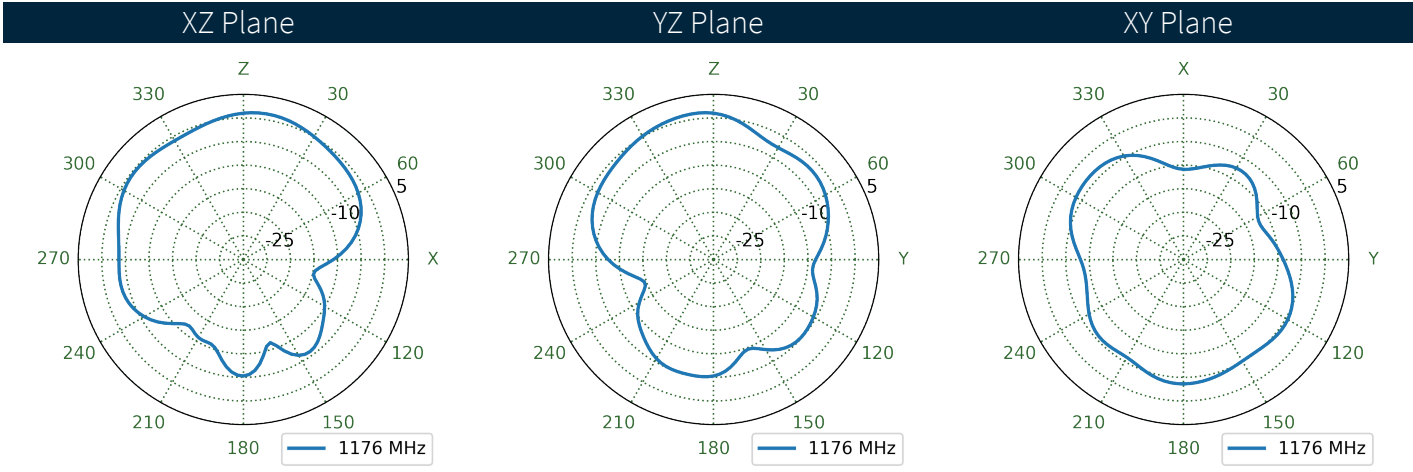
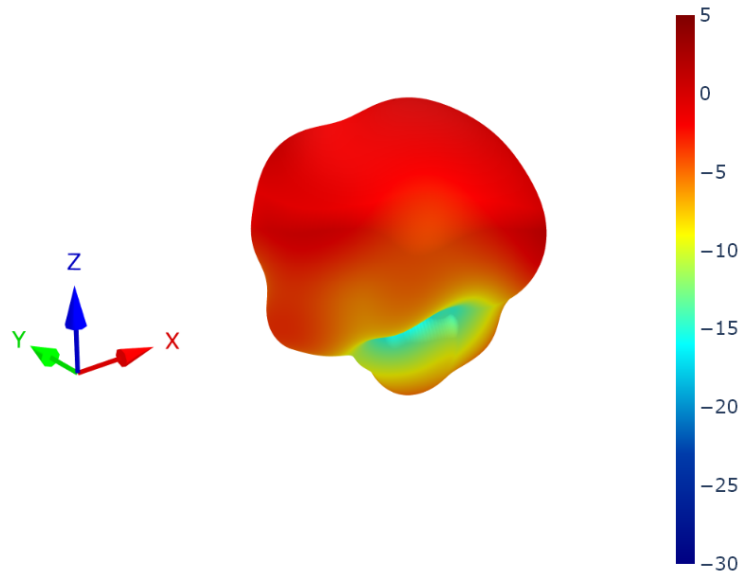
7. Radiation Patterns

7.1 Test Setup

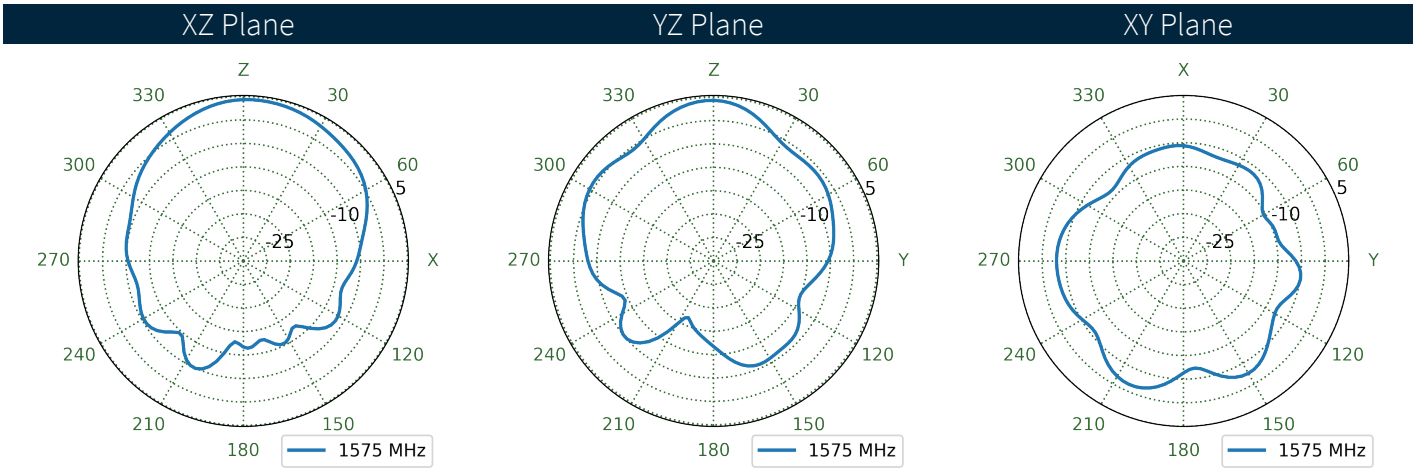
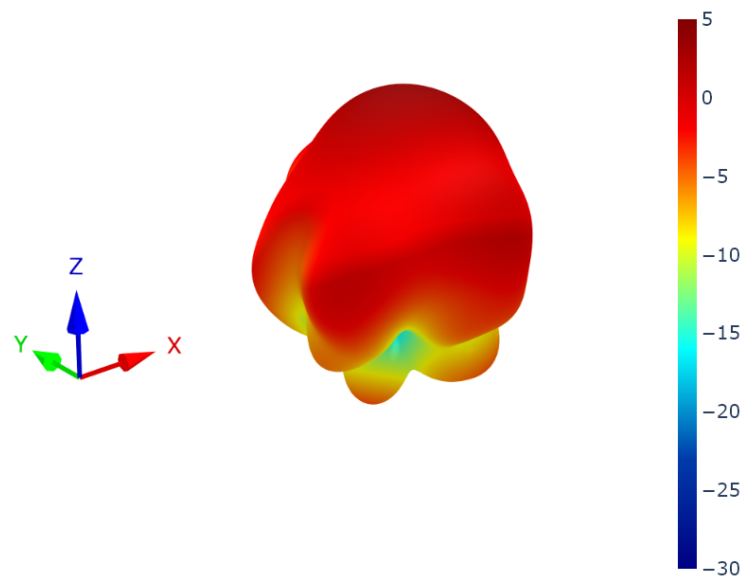


Chamber Test Set-up

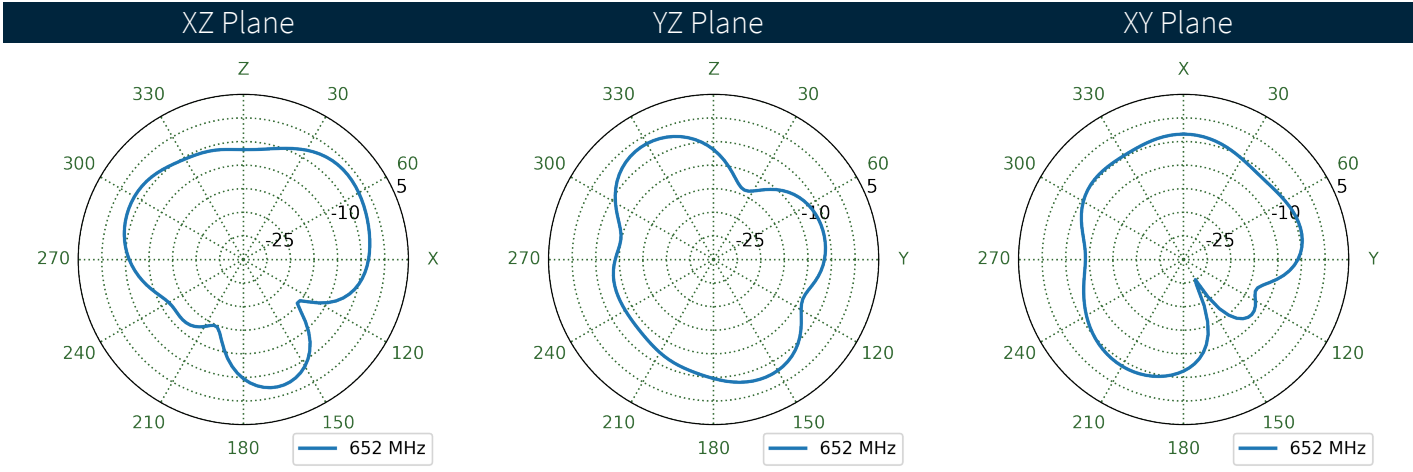
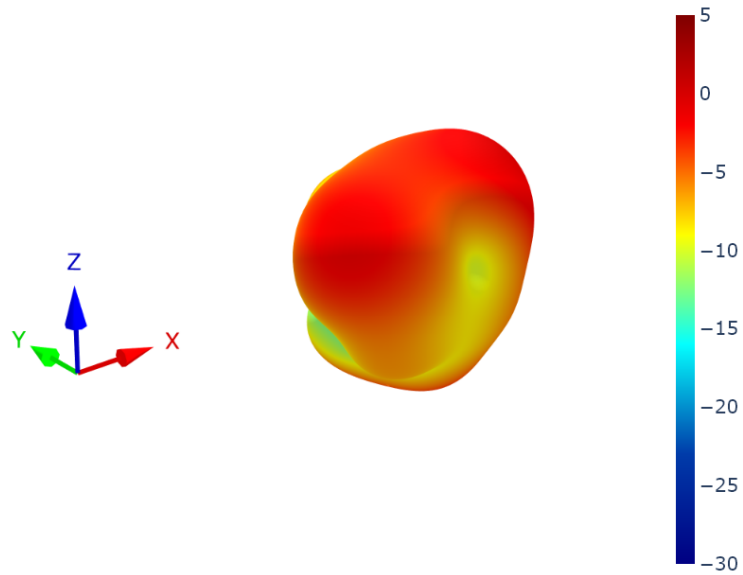
7.2 GNSS Patterns at 1176 MHz



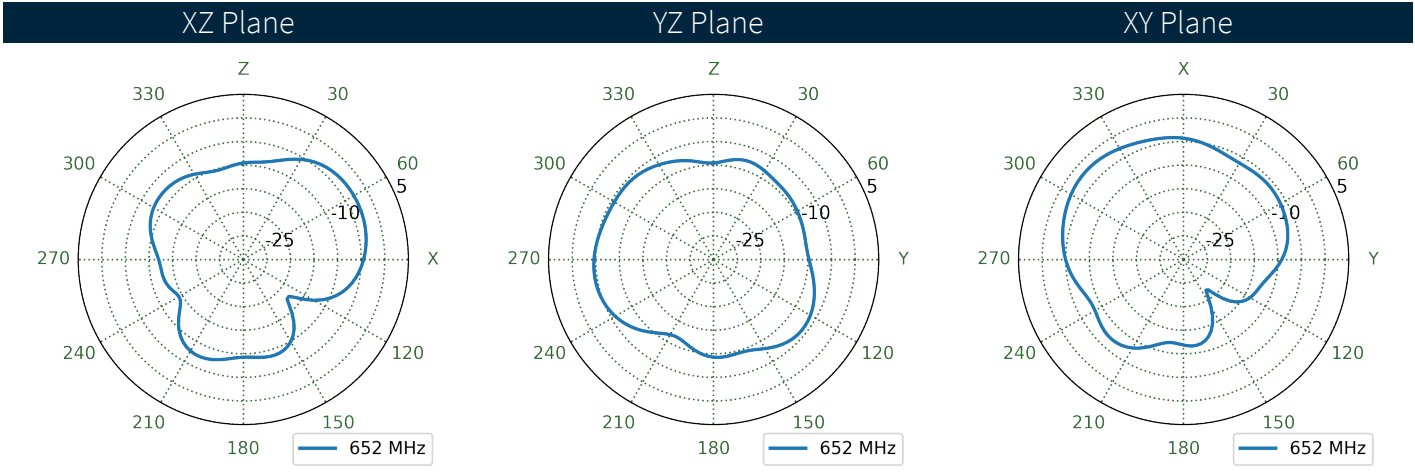
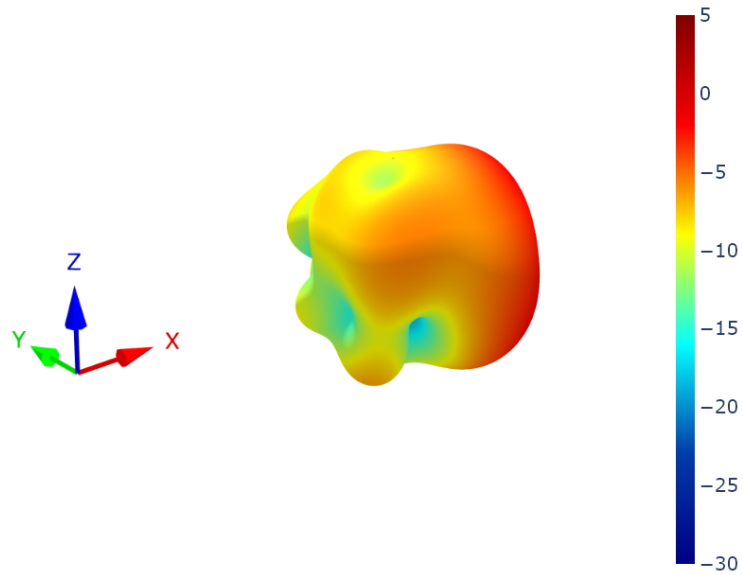
7.3 GNSS Patterns at 1576 MHz



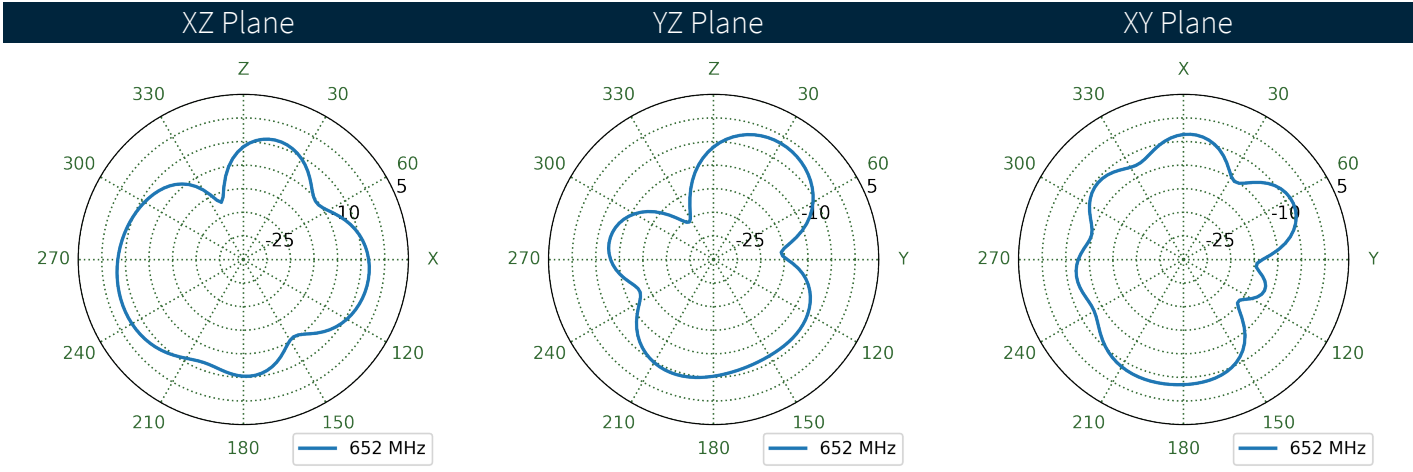
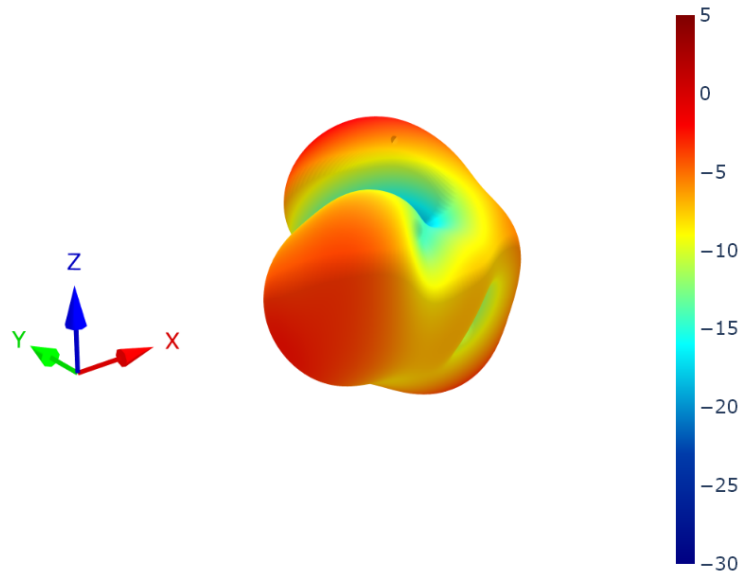
7.4 LTE1 Patterns at 650 MHz



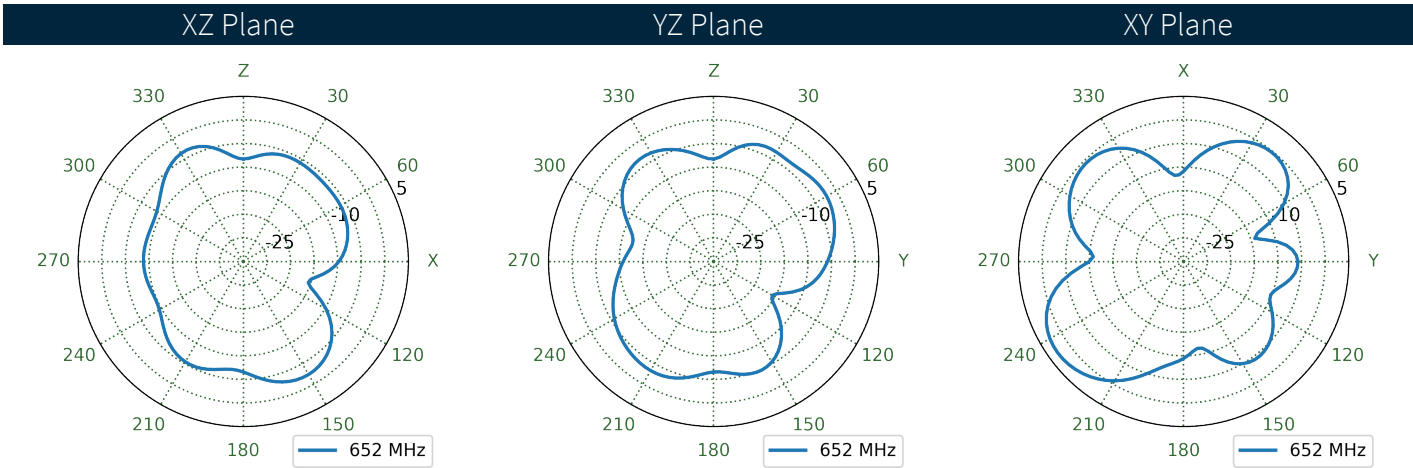
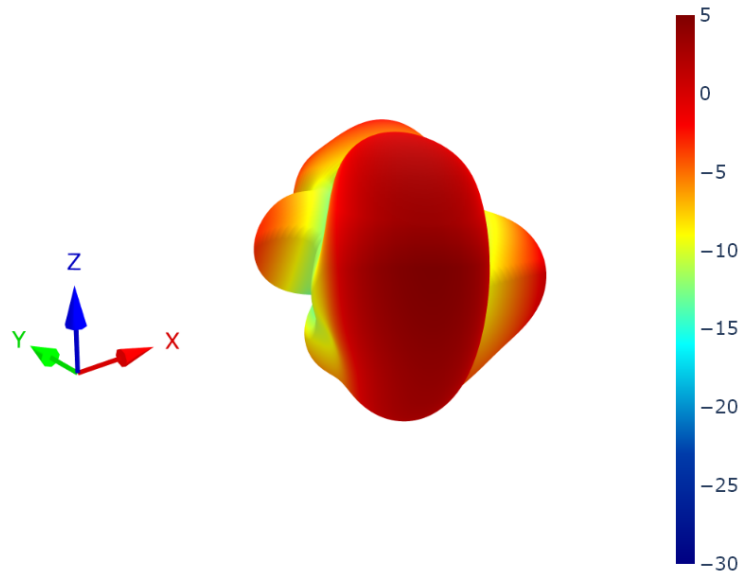
7.5 LTE2 Patterns at 650 MHz



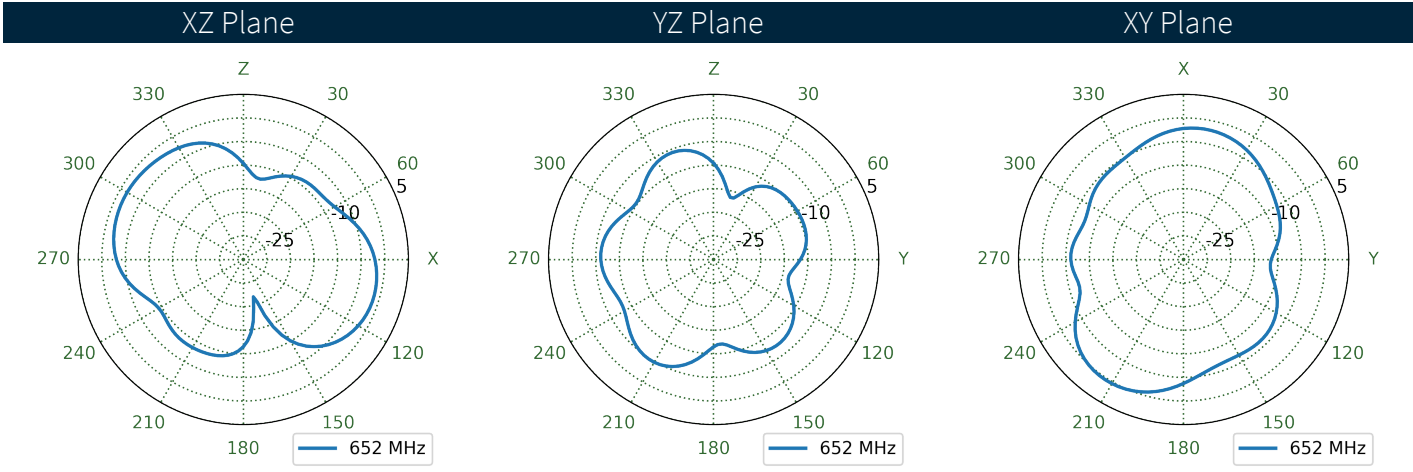
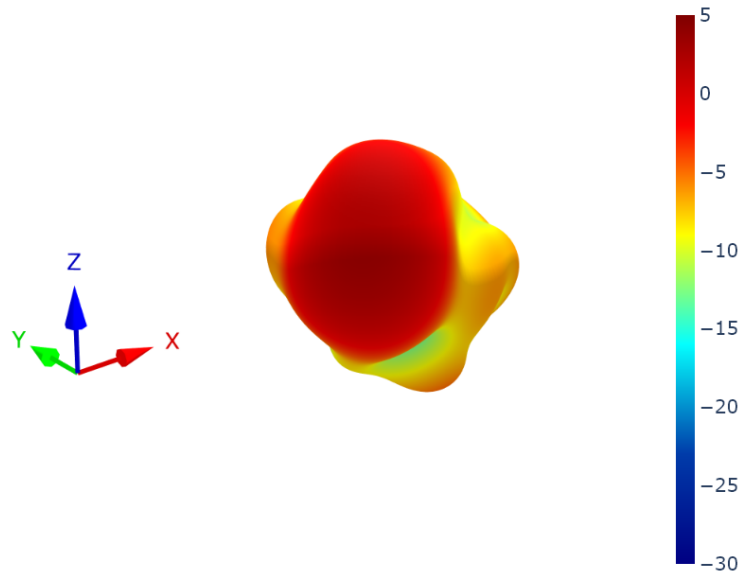
7.6 LTE3 Patterns at 650 MHz



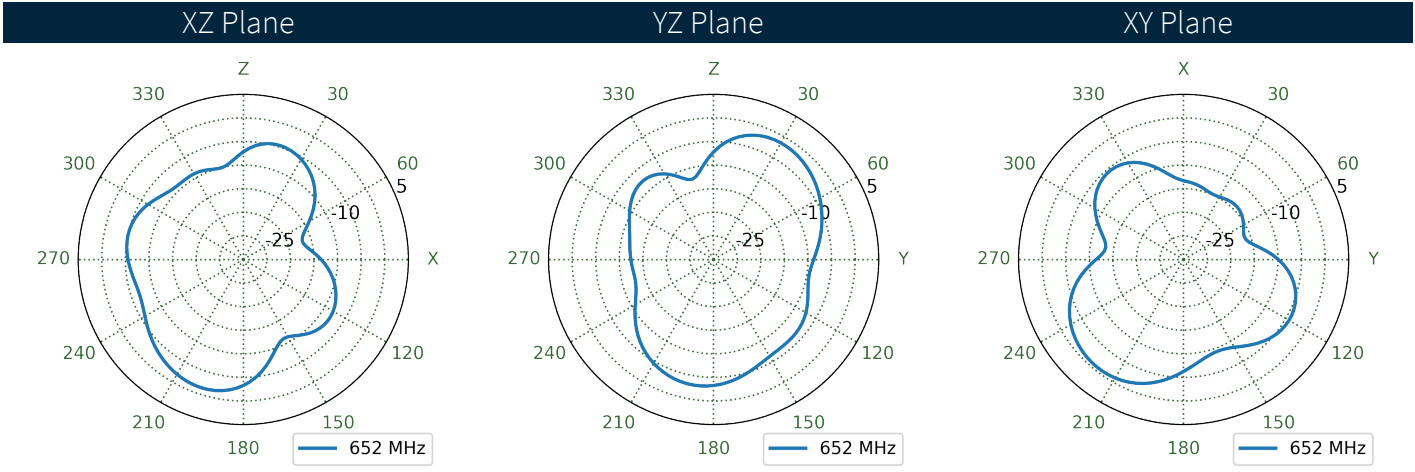
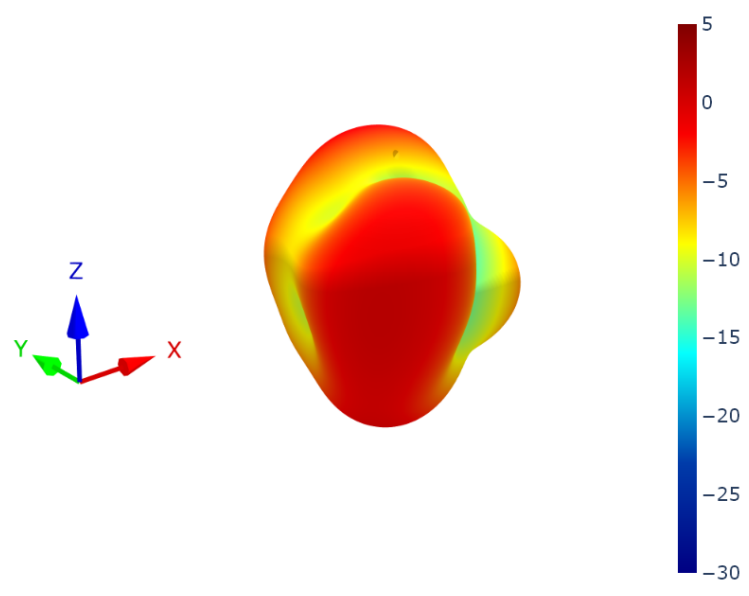
7.7 LTE4 Patterns at 650 MHz



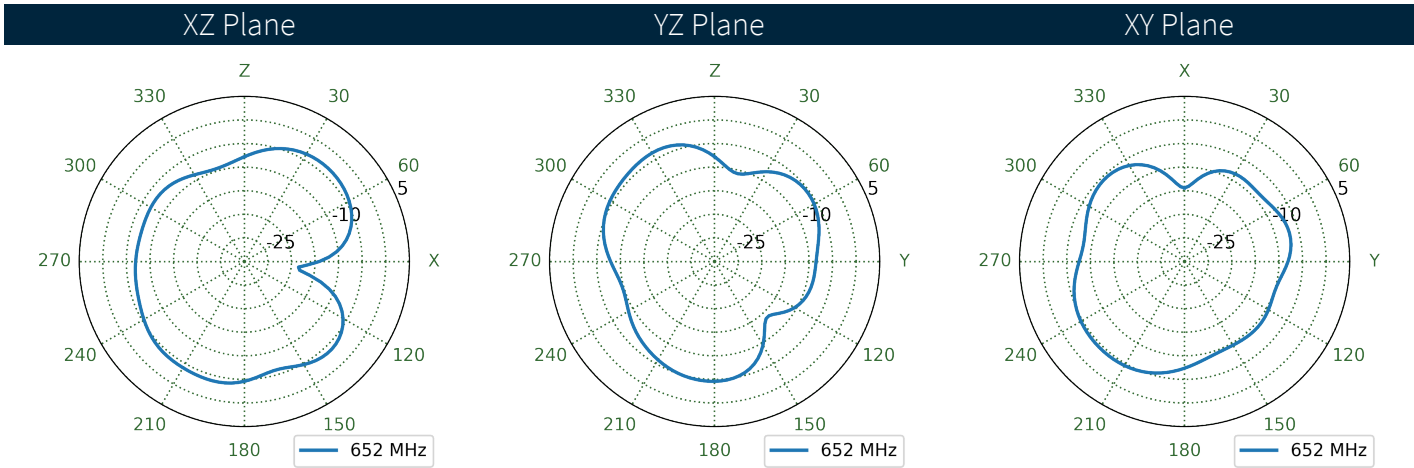
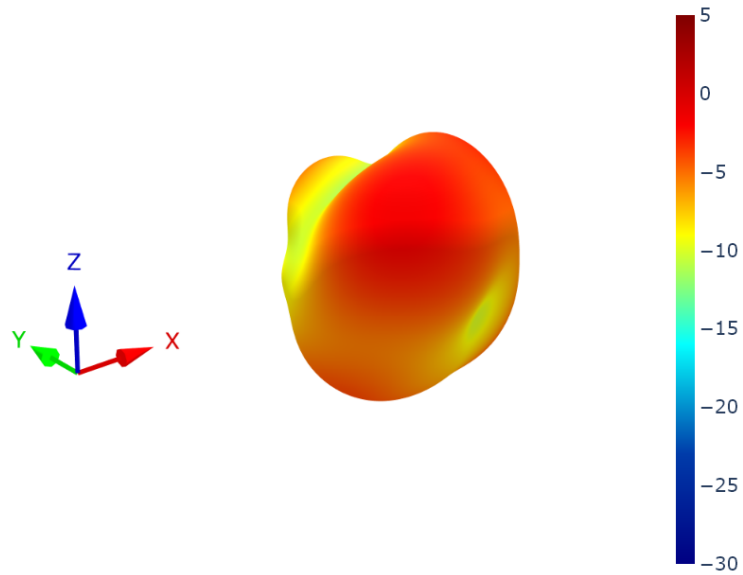
7.8 LTE5 Patterns at 650 MHz



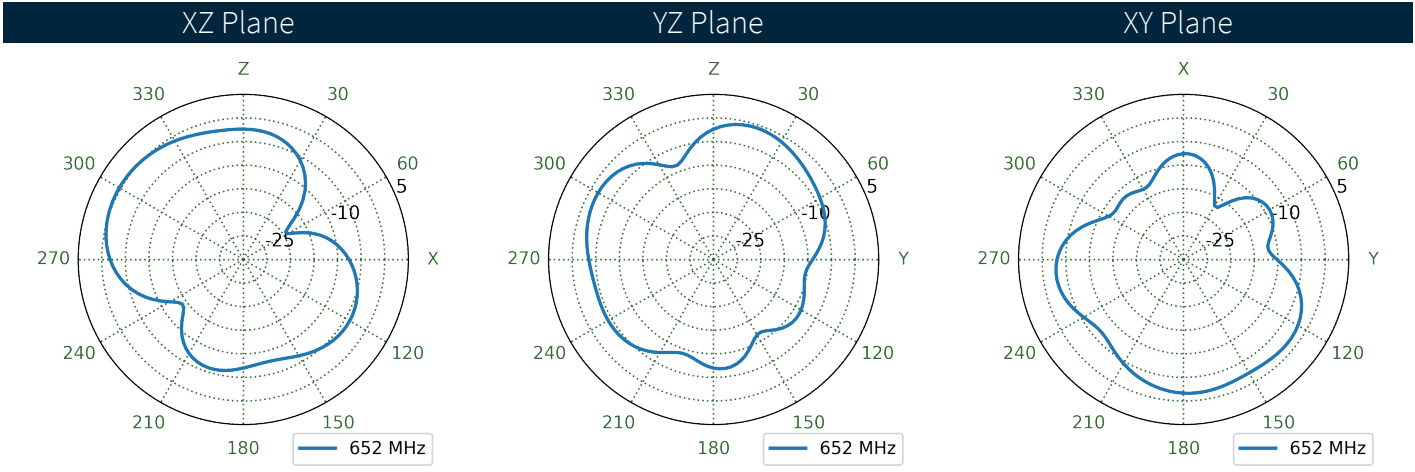
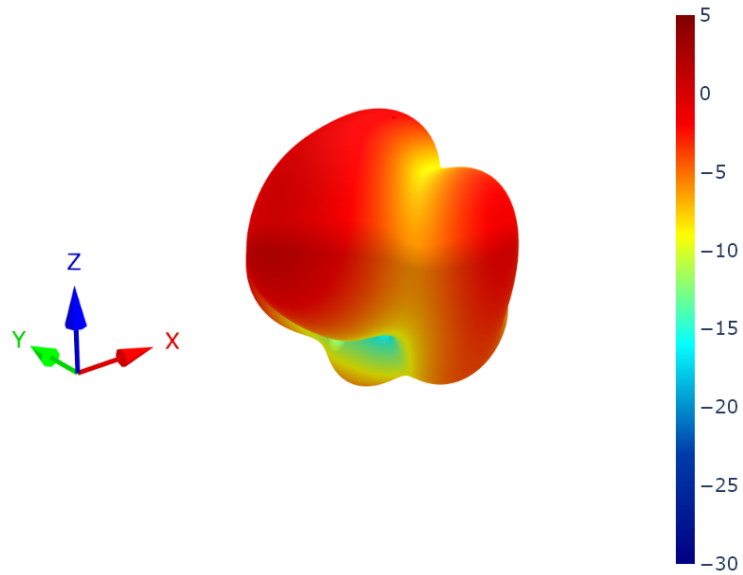
7.9 LTE6 Patterns at 650 MHz



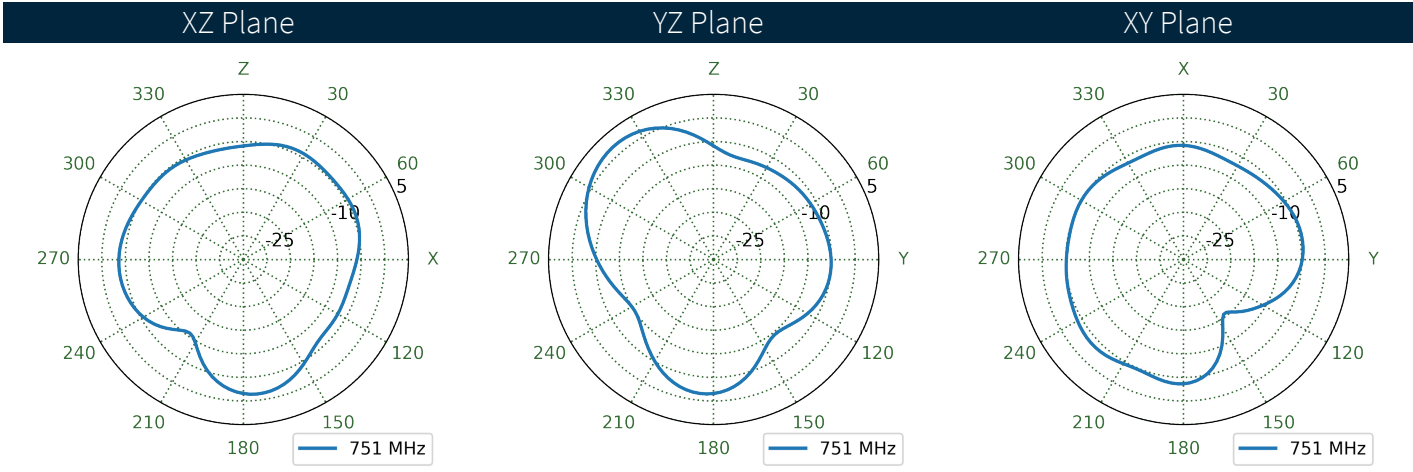
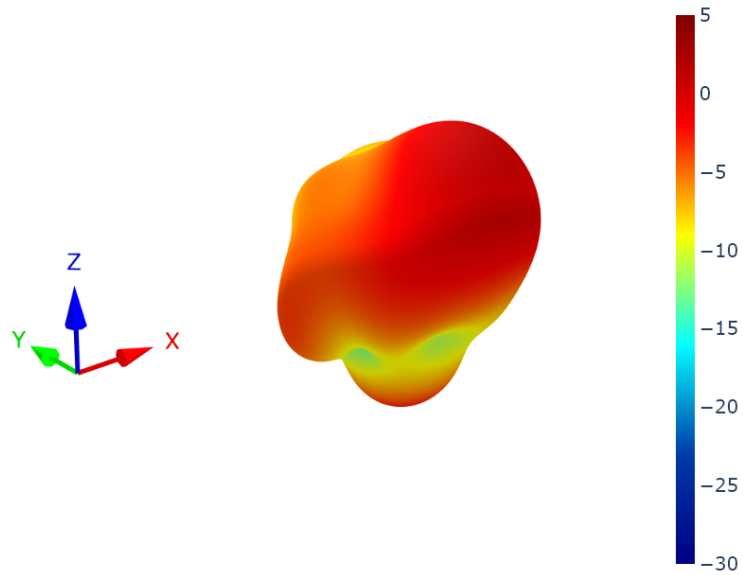
7.10 LTE7 Patterns at 650 MHz



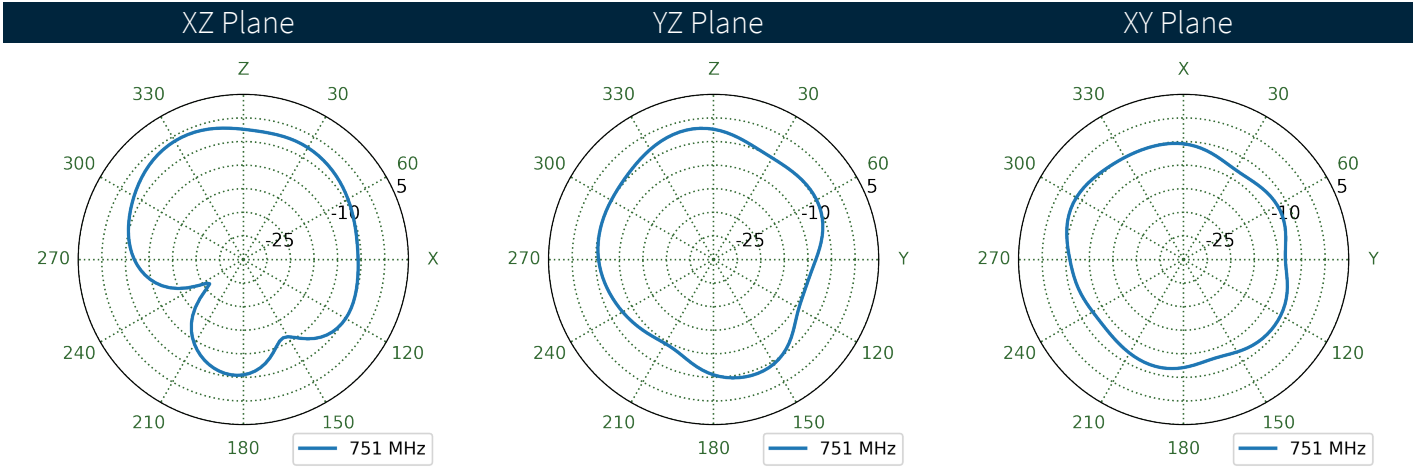
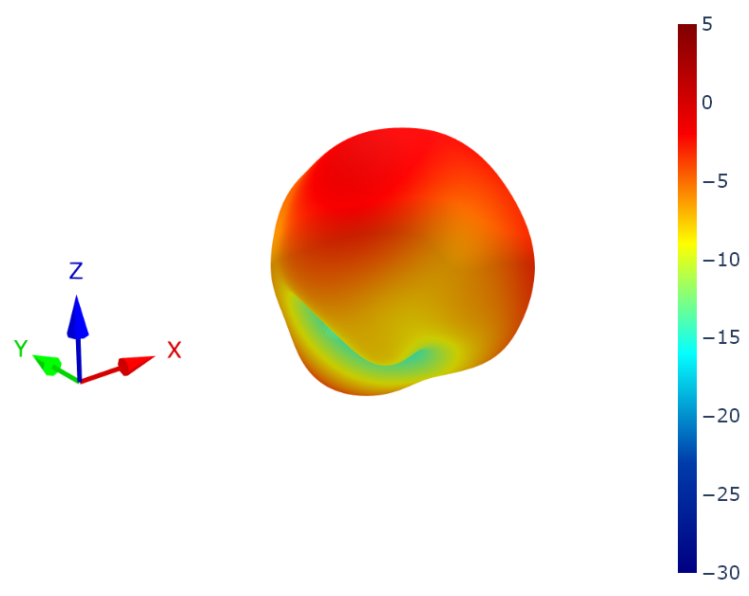
7.11 LTE8 Patterns at 650 MHz



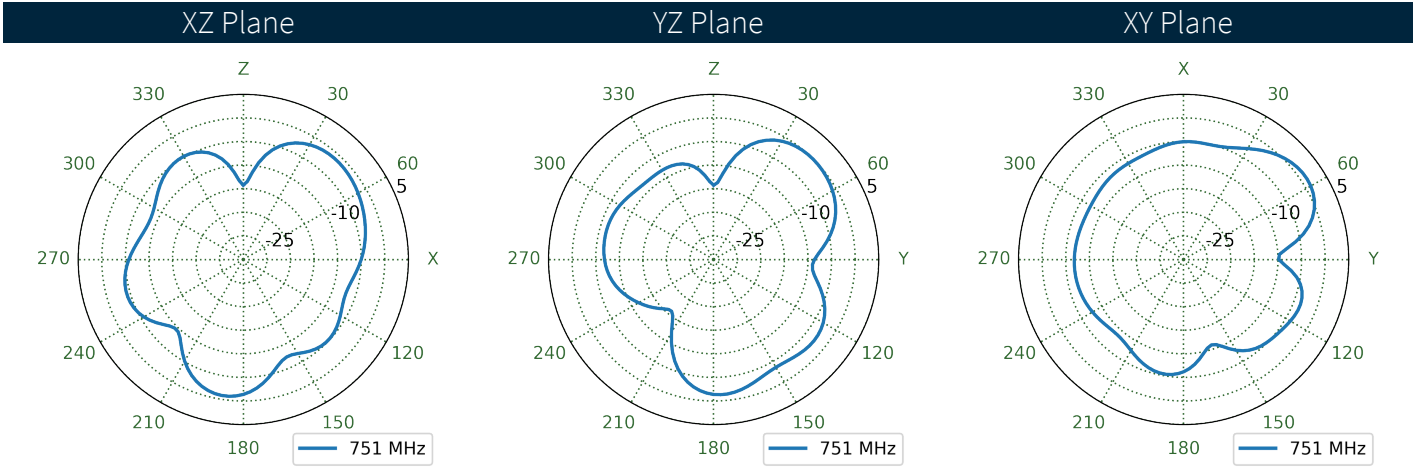
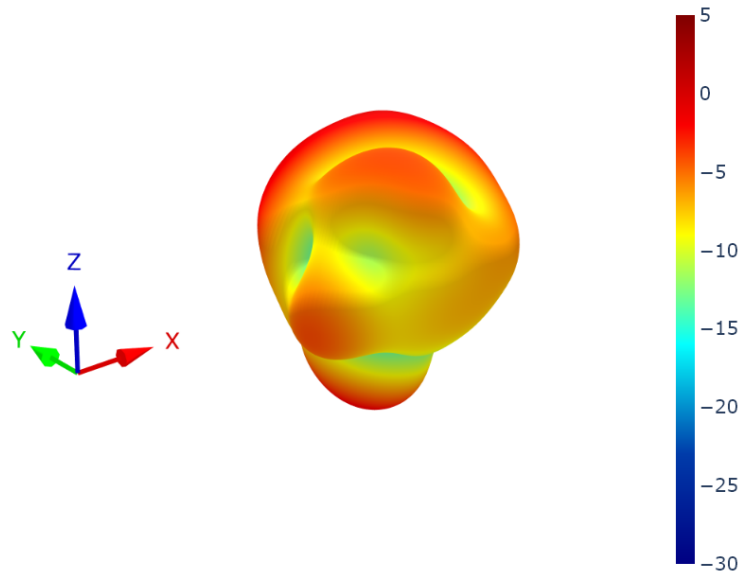
7.12 LTE1 Patterns at 750 MHz



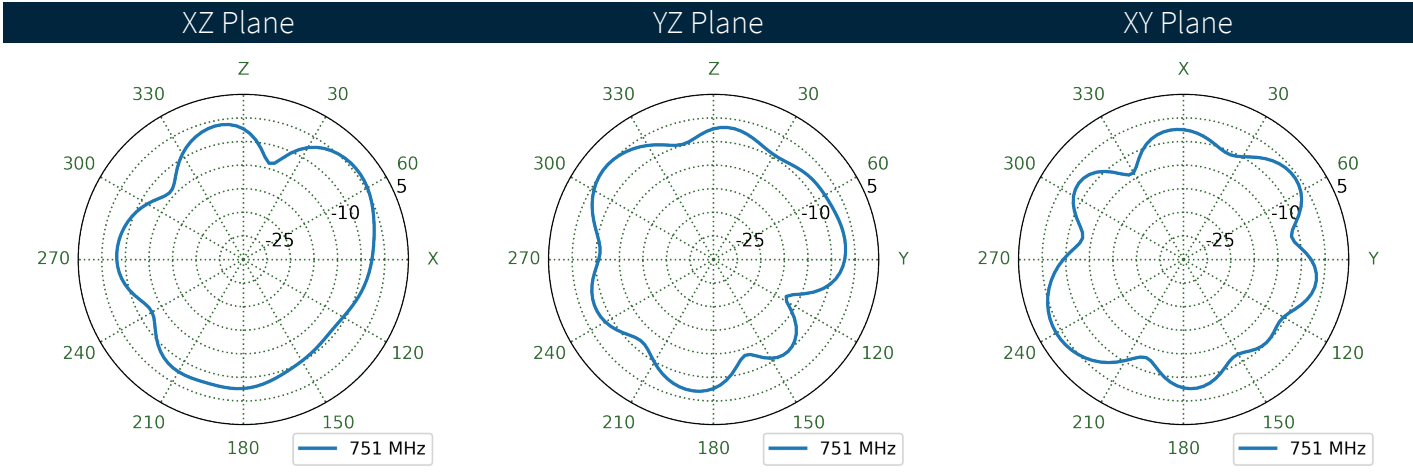
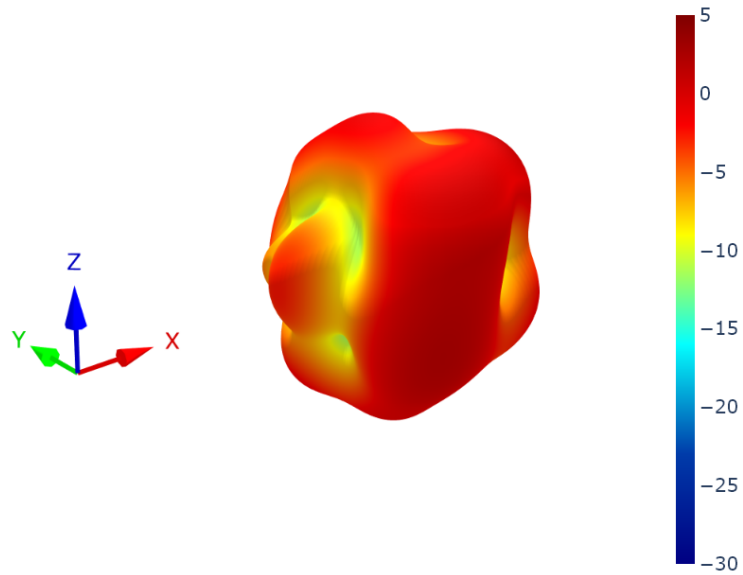
7.13 LTE2 Patterns at 750 MHz



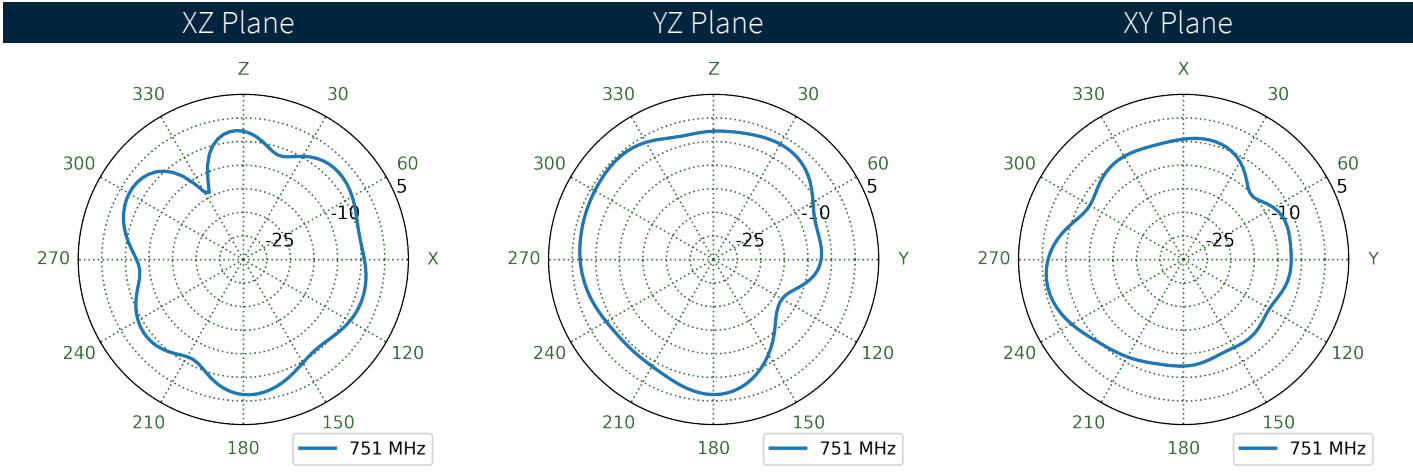
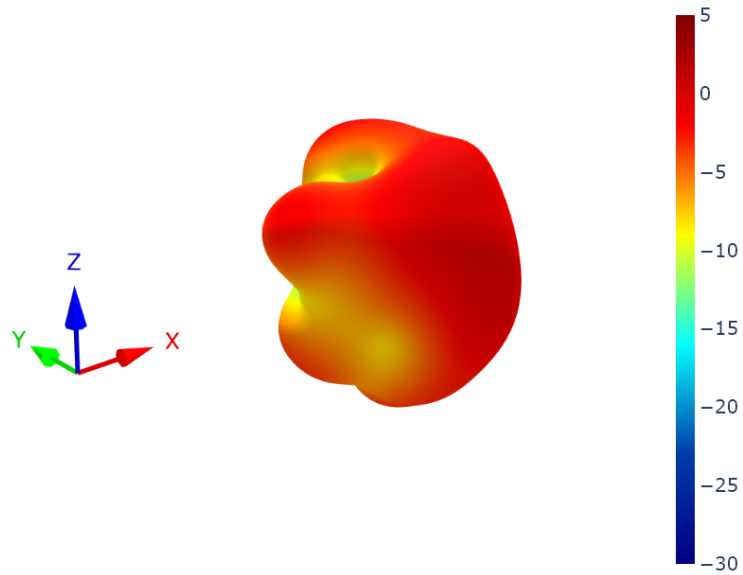
7.14 LTE3 Patterns at 750 MHz



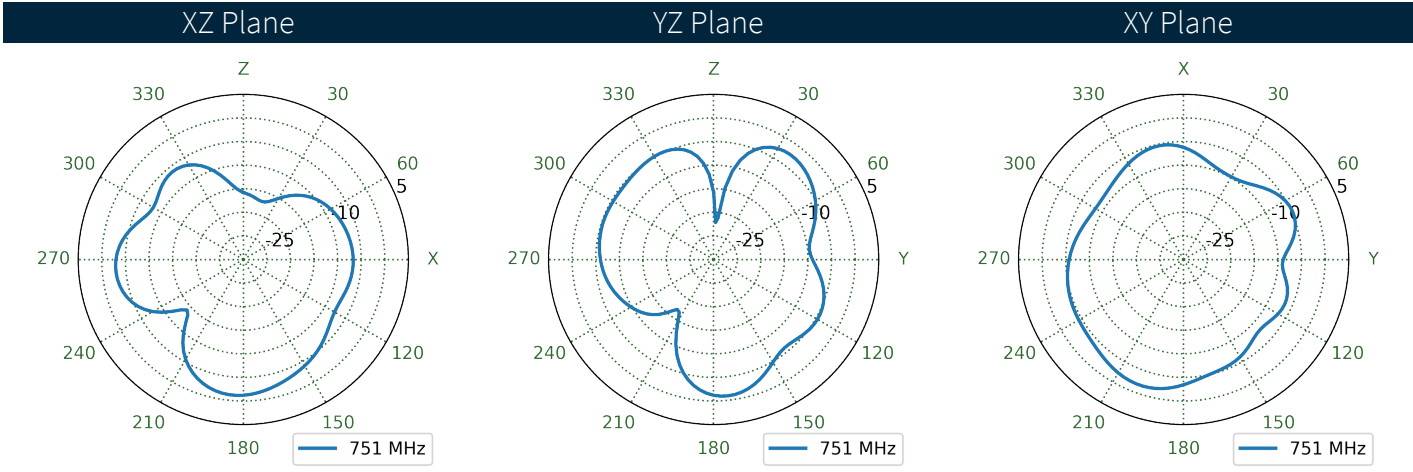
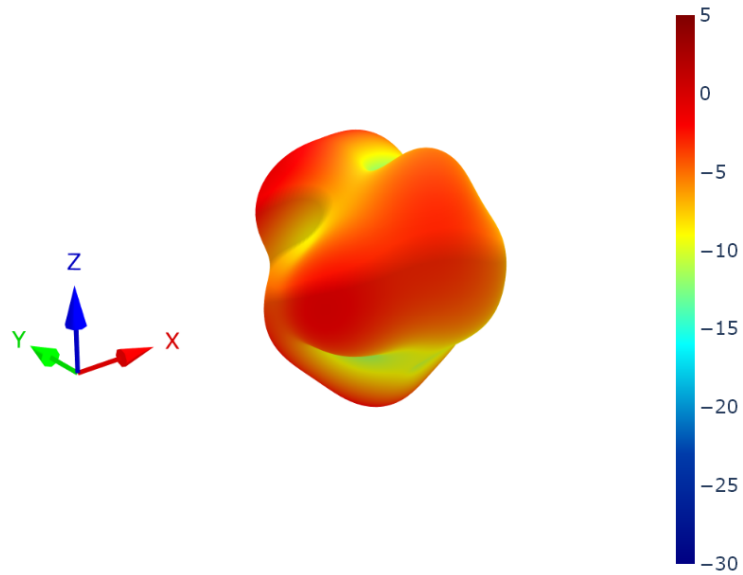
7.15 LTE4 Patterns at 750 MHz



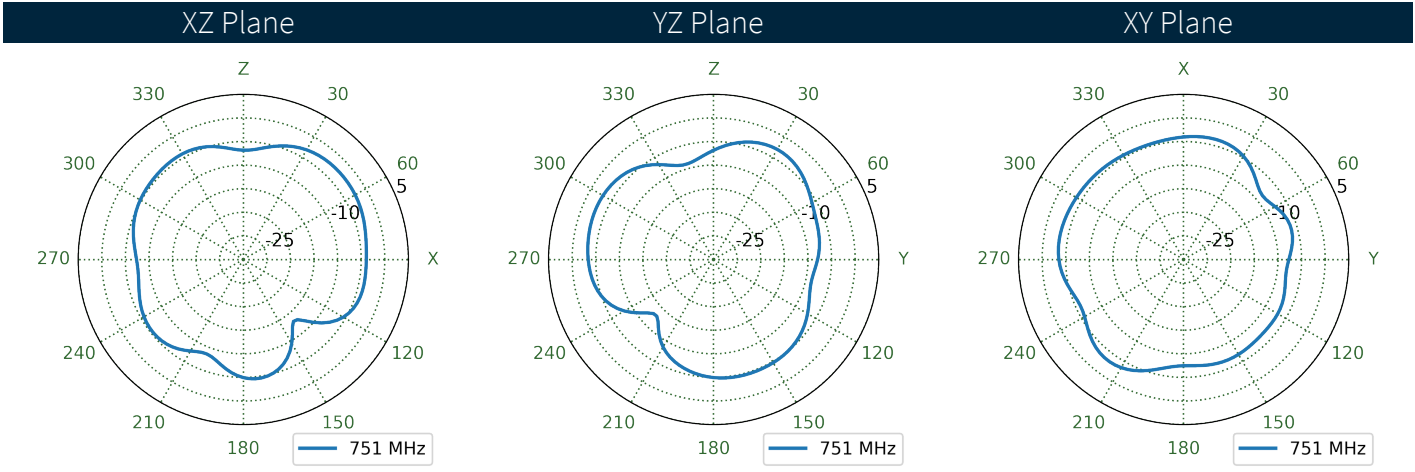
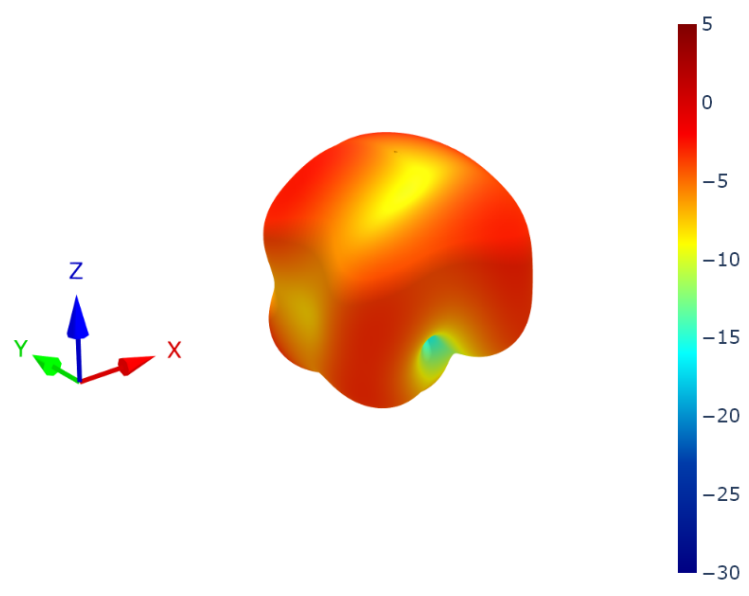
7.16 LTE5 Patterns at 750 MHz



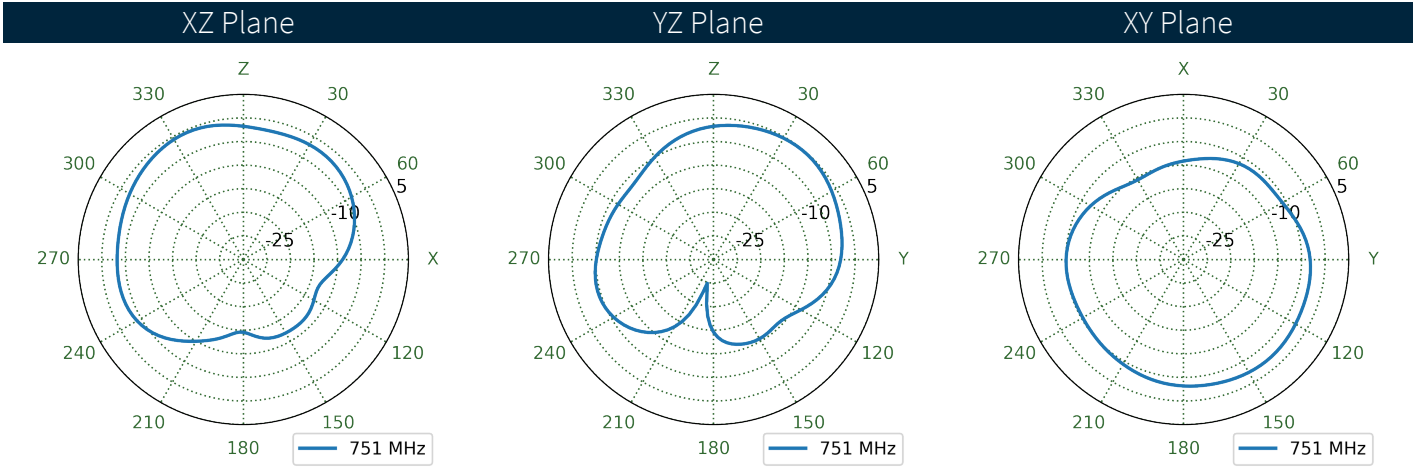
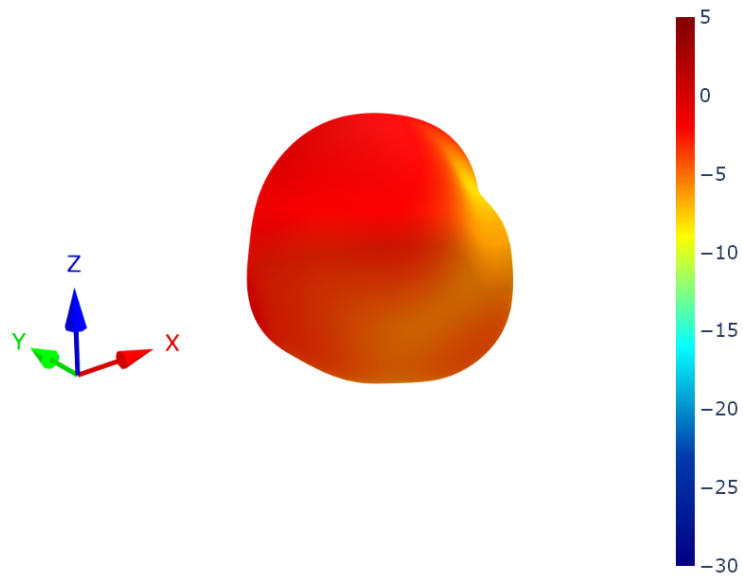
7.17 LTE6 Patterns at 750 MHz



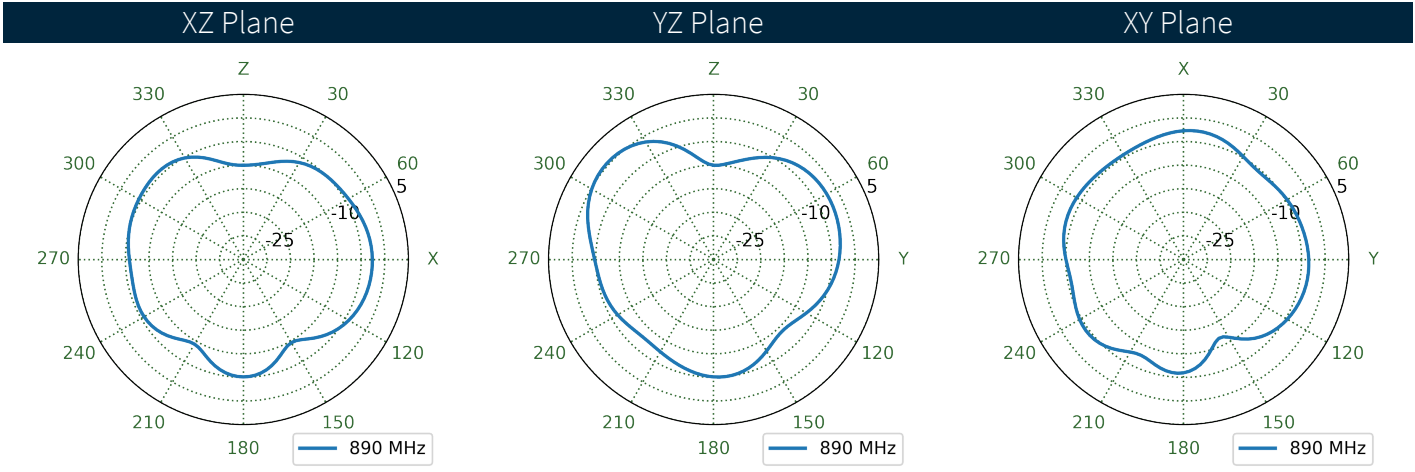
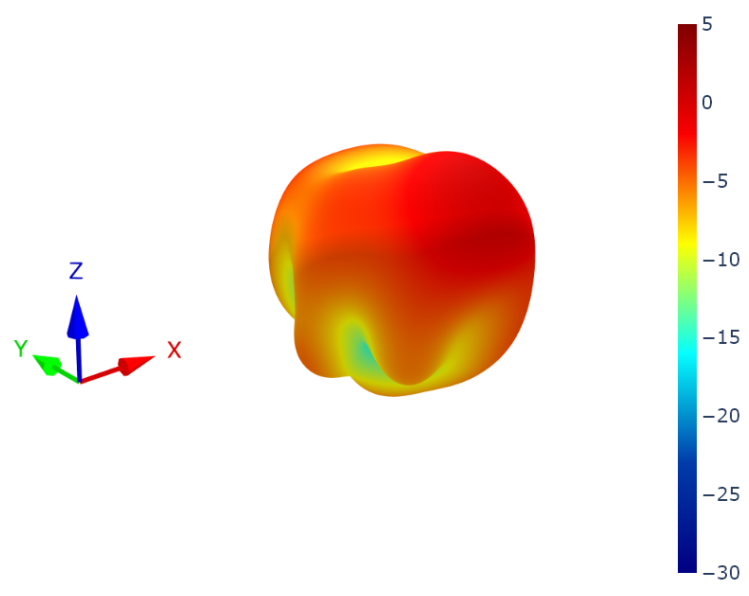
7.18 LTE7 Patterns at 750 MHz



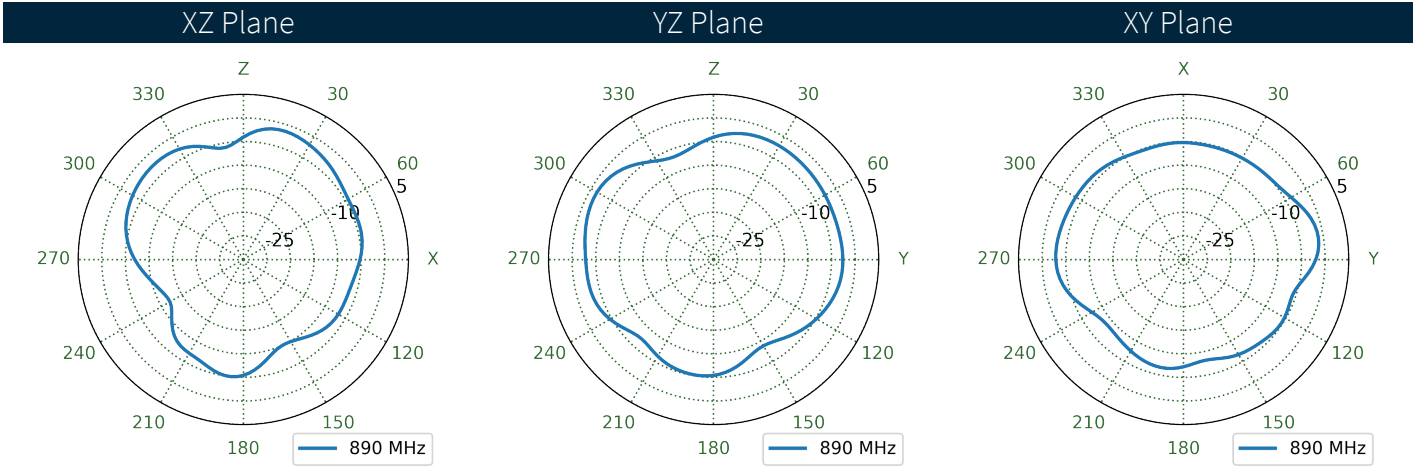
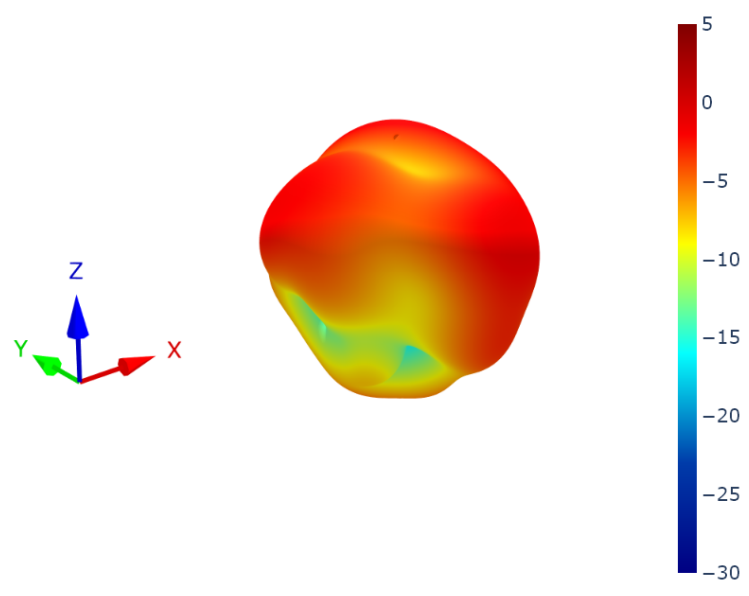
7.19 LTE8 Patterns at 750 MHz



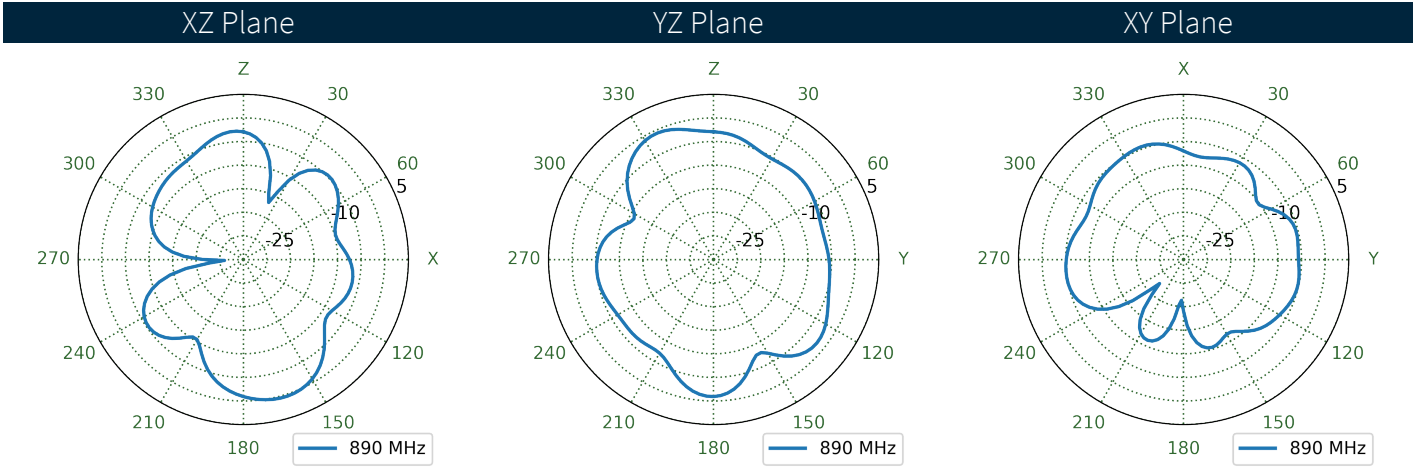
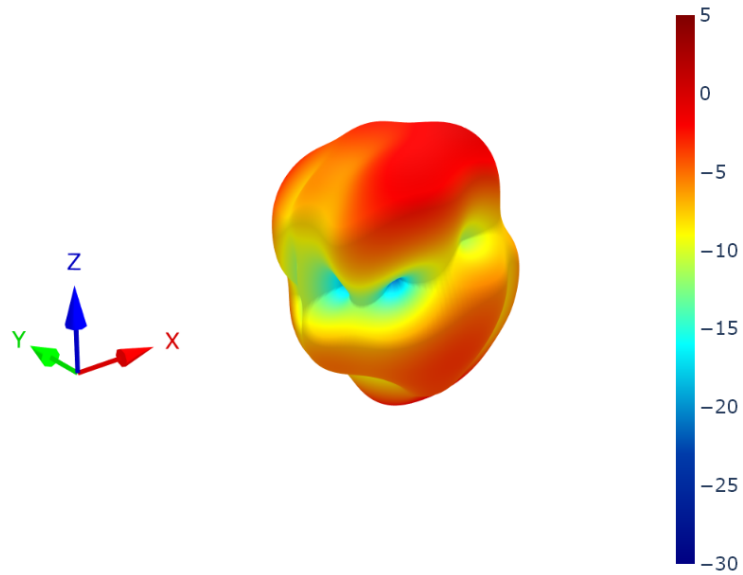
7.20 LTE1 Patterns at 890 MHz



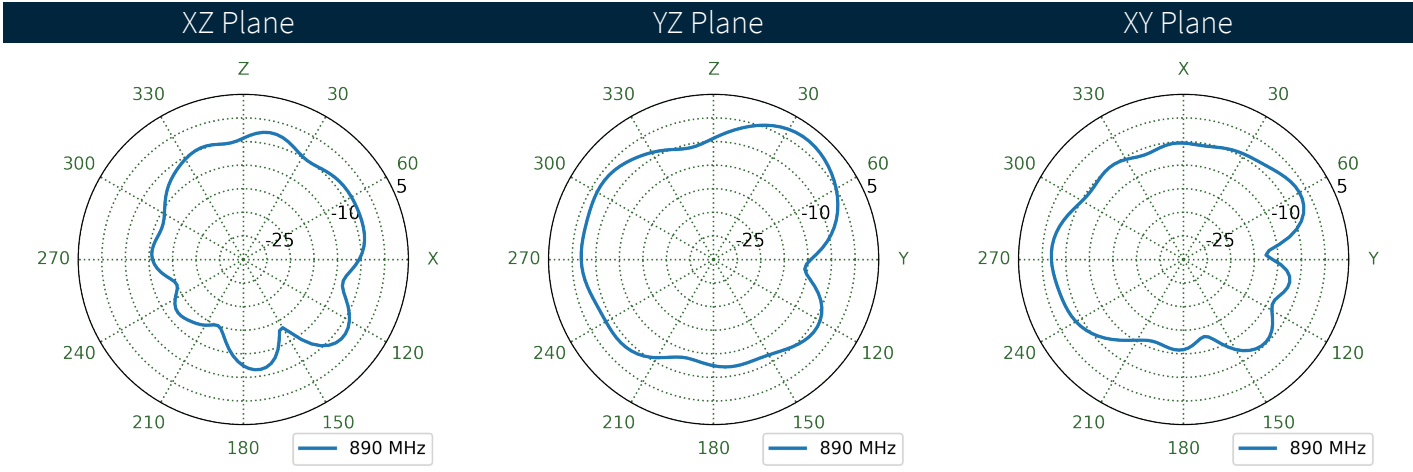
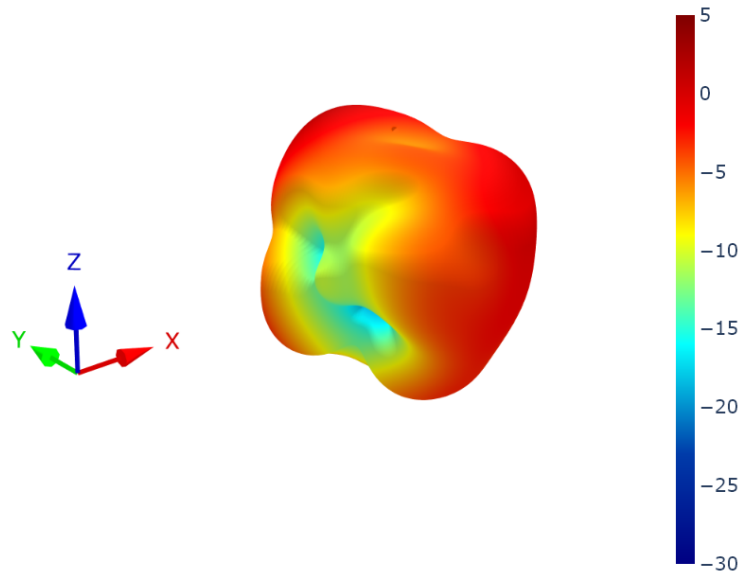
7.21 LTE2 Patterns at 890 MHz



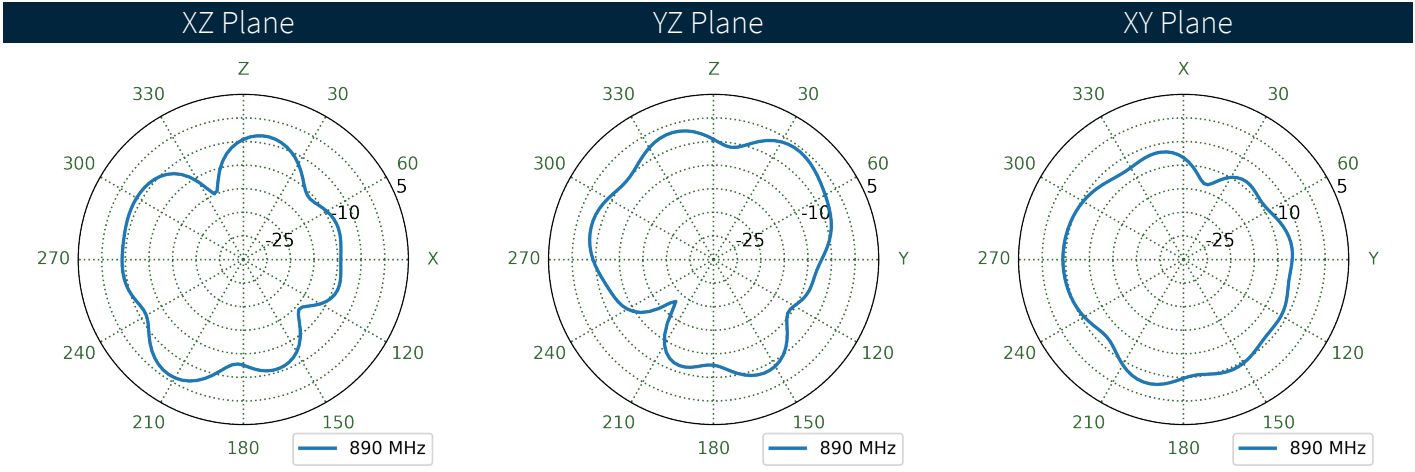
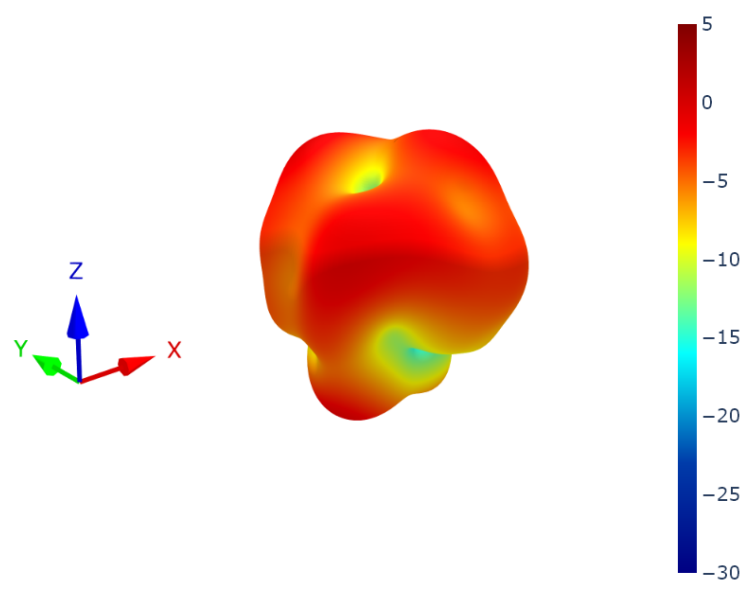
7.22 LTE3 Patterns at 890 MHz



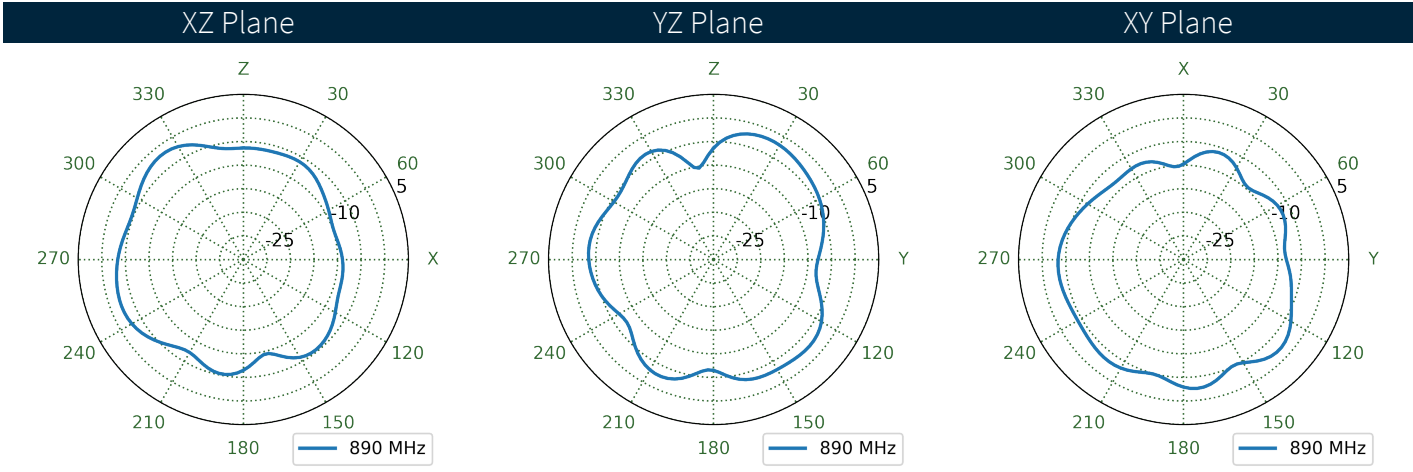
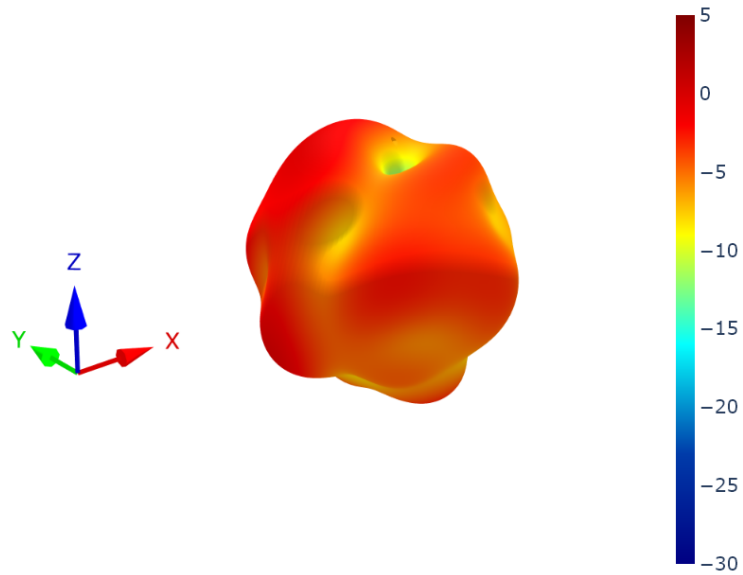
7.23 LTE4 Patterns at 890 MHz



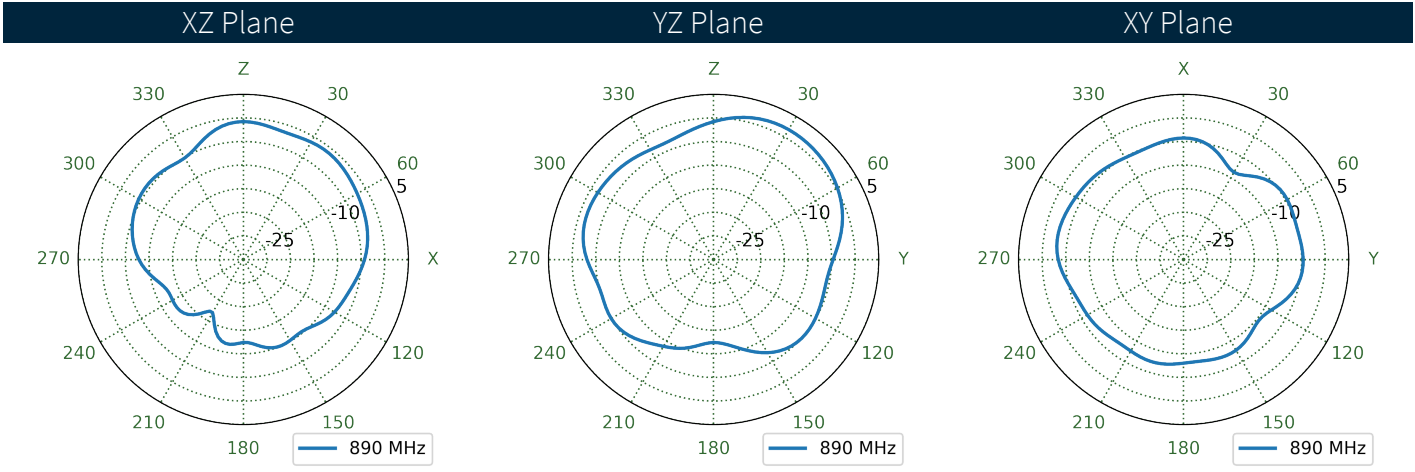
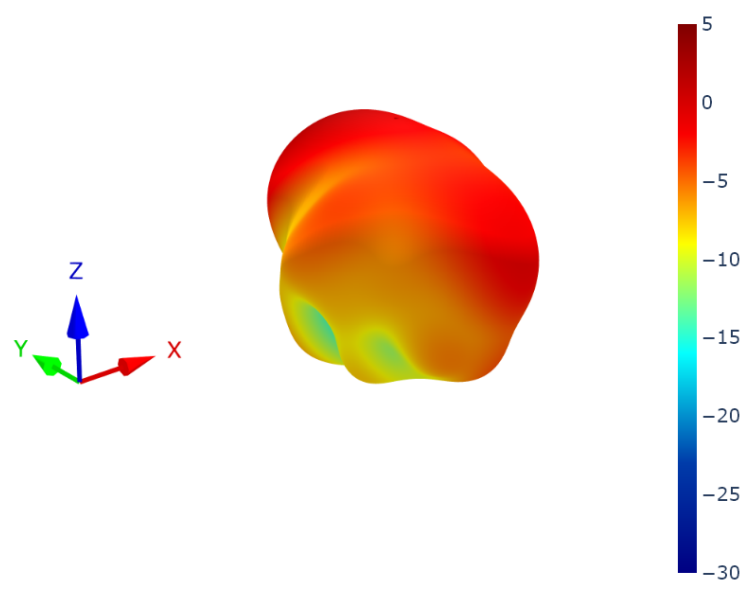
7.24 LTE5 Patterns at 890 MHz



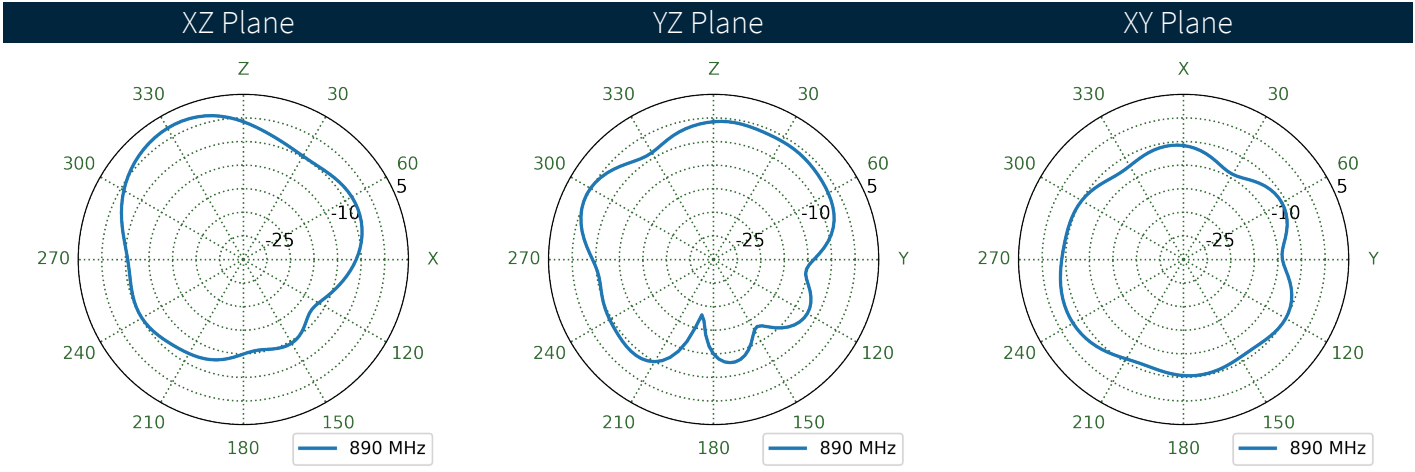
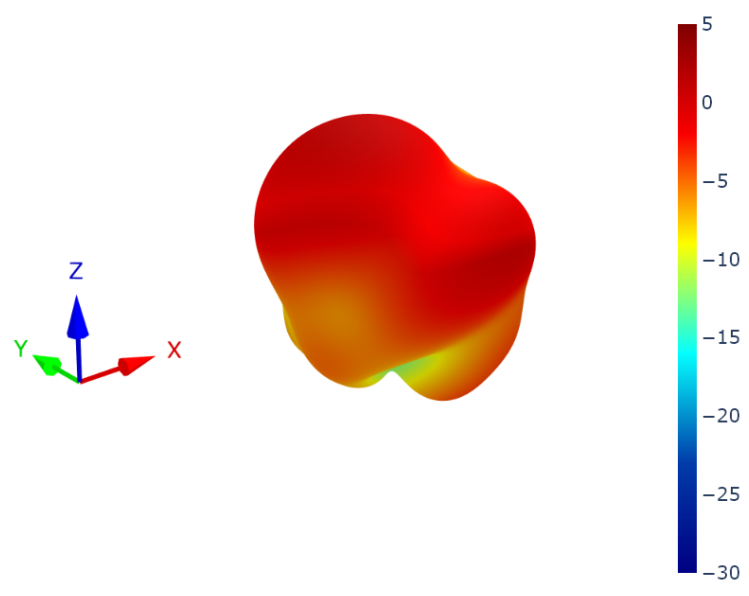
7.25 LTE6 Patterns at 890 MHz



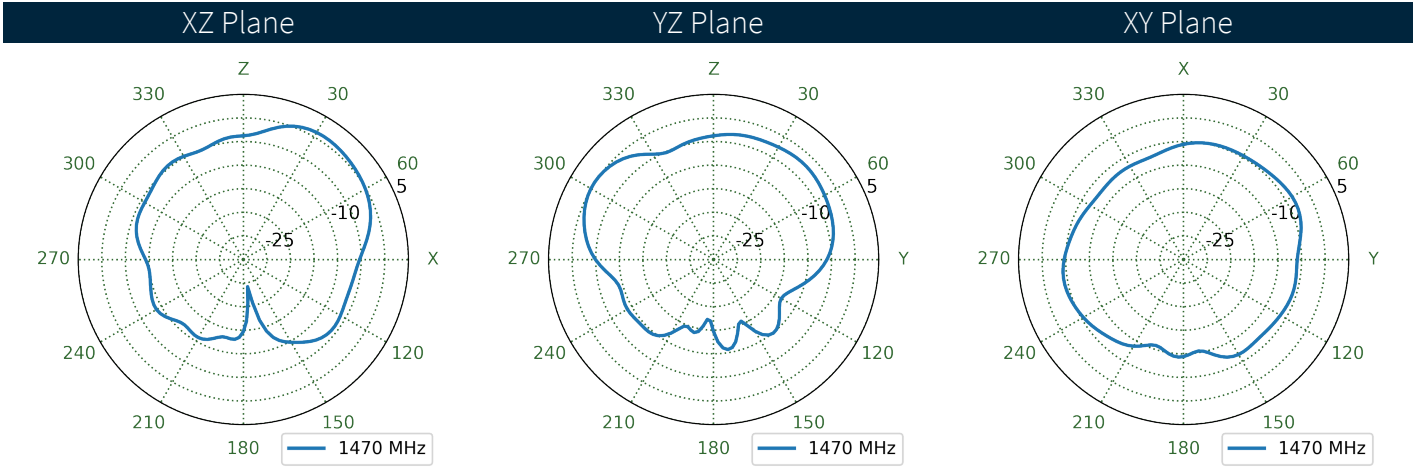
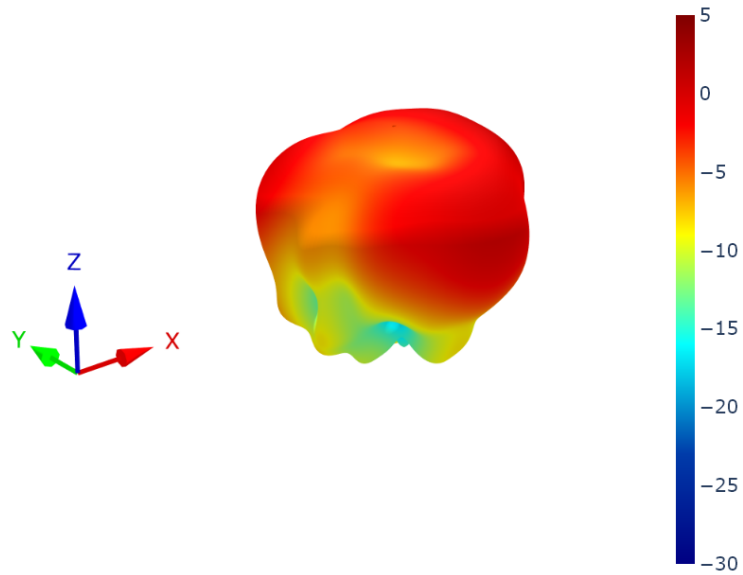
7.26 LTE7 Patterns at 890 MHz



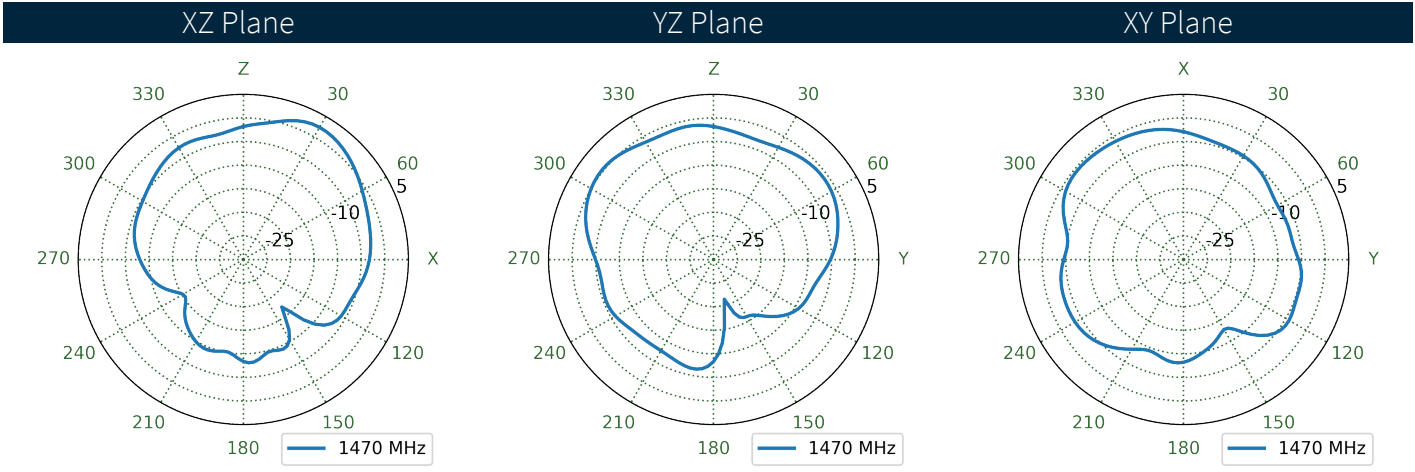
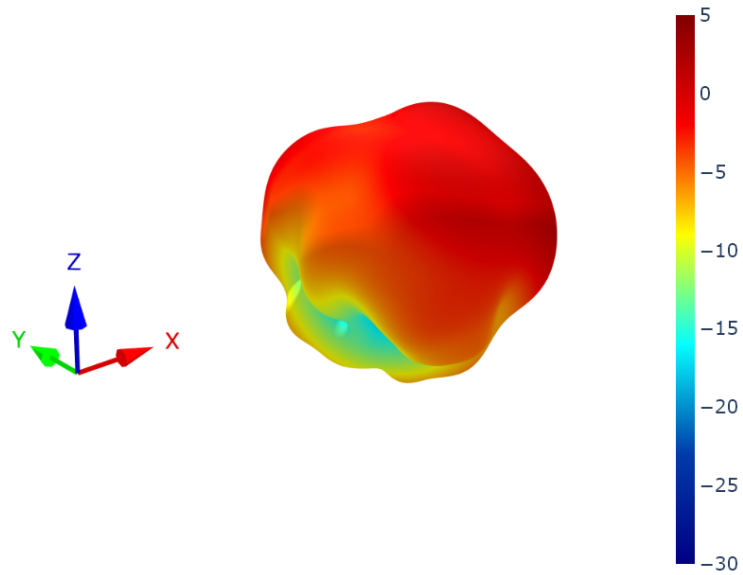
7.27 LTE8 Patterns at 890 MHz



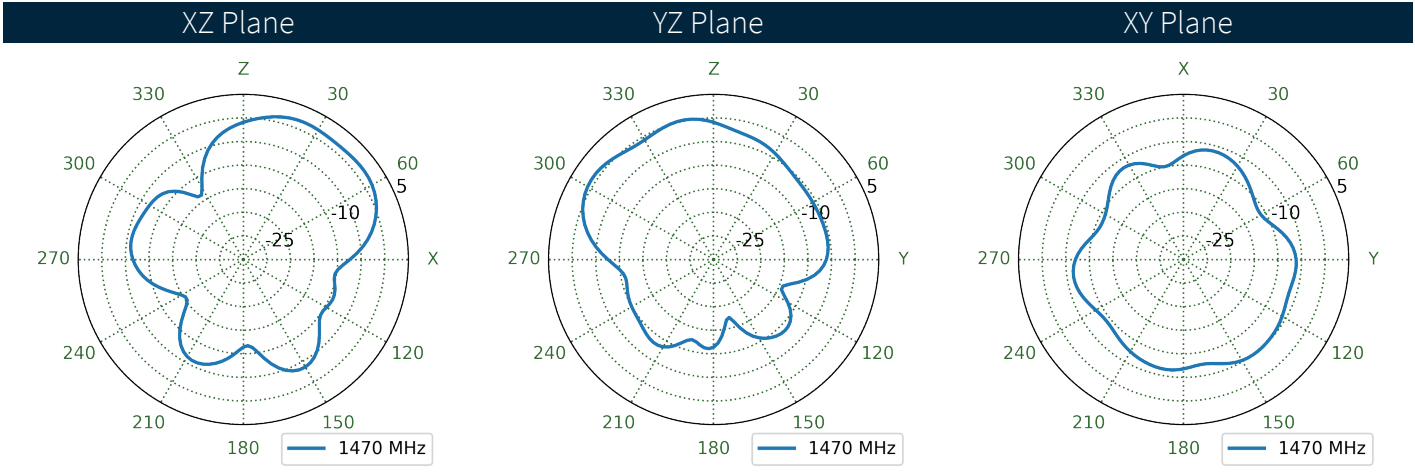
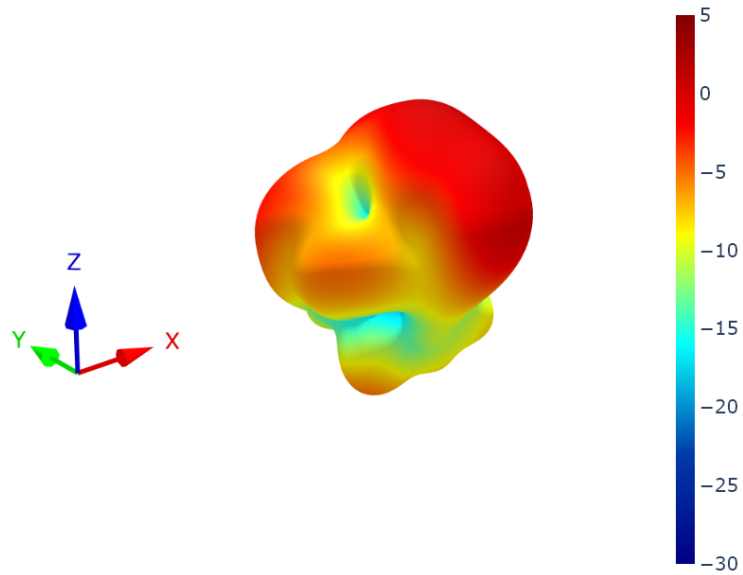
7.28 LTE1 Patterns at 1470 MHz



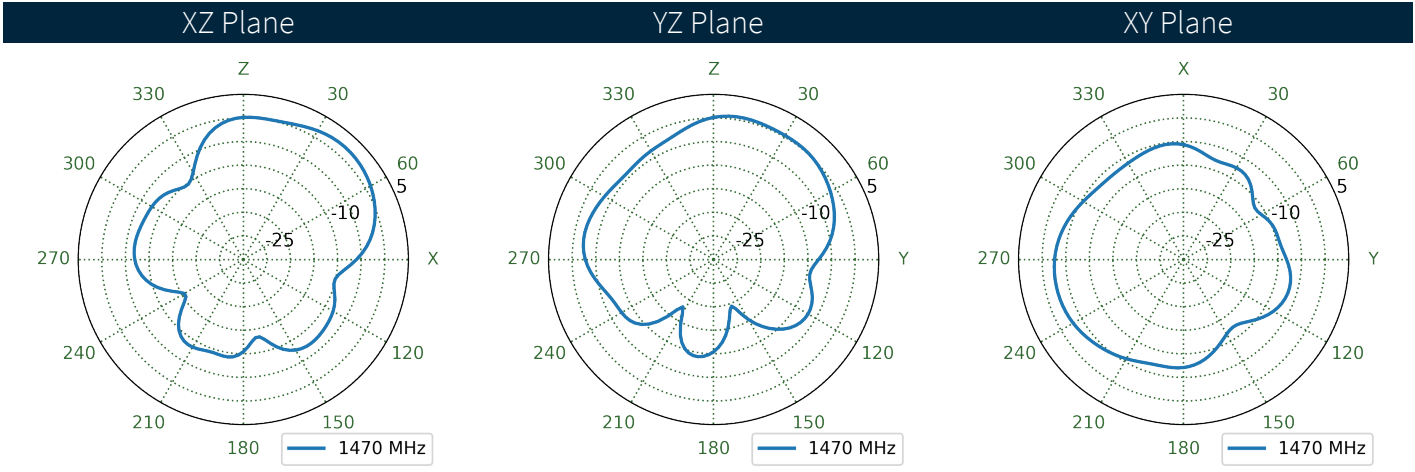
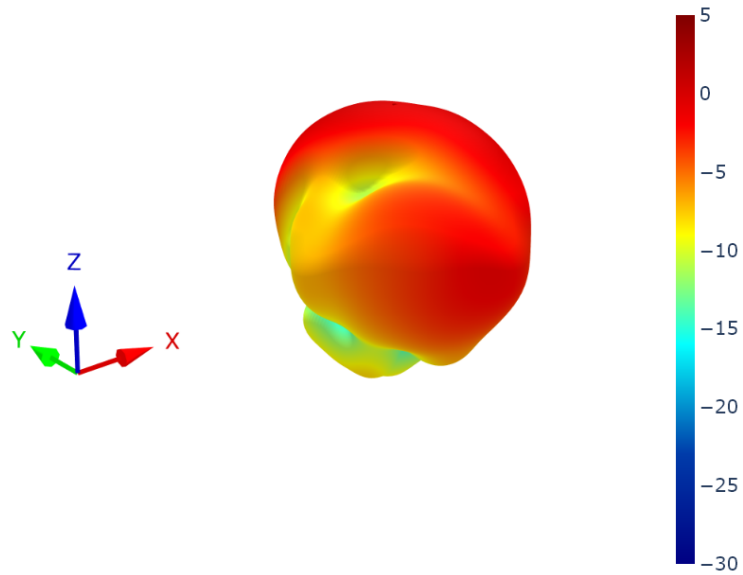
7.29 LTE2 Patterns at 1470 MHz



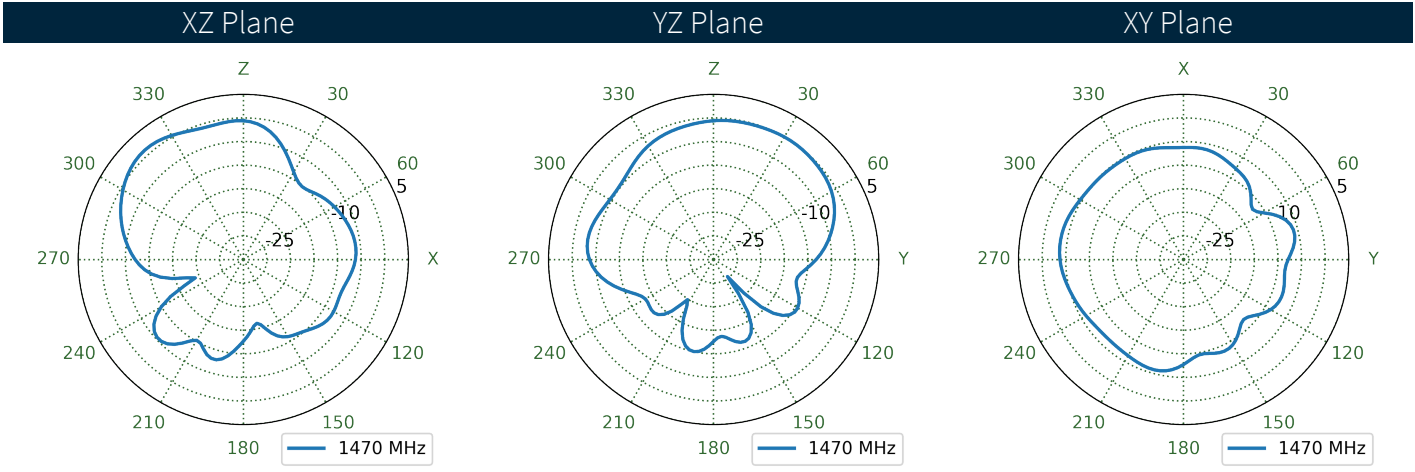
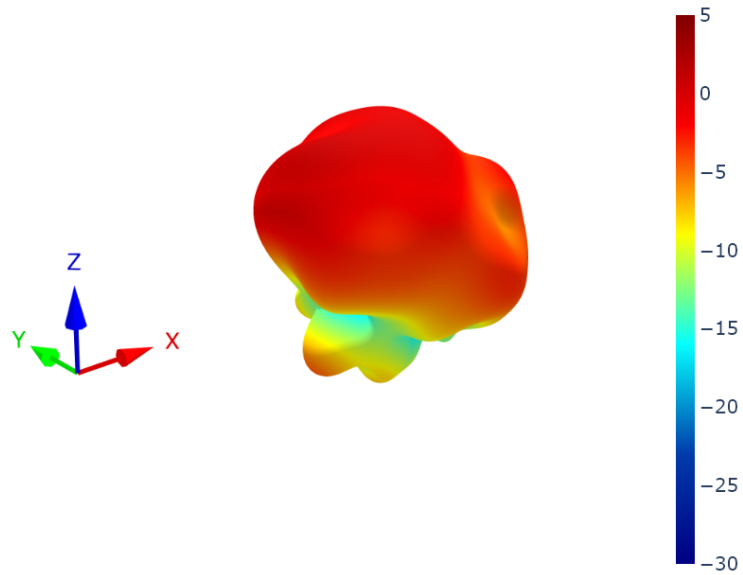
7.30 LTE3 Patterns at 1470 MHz



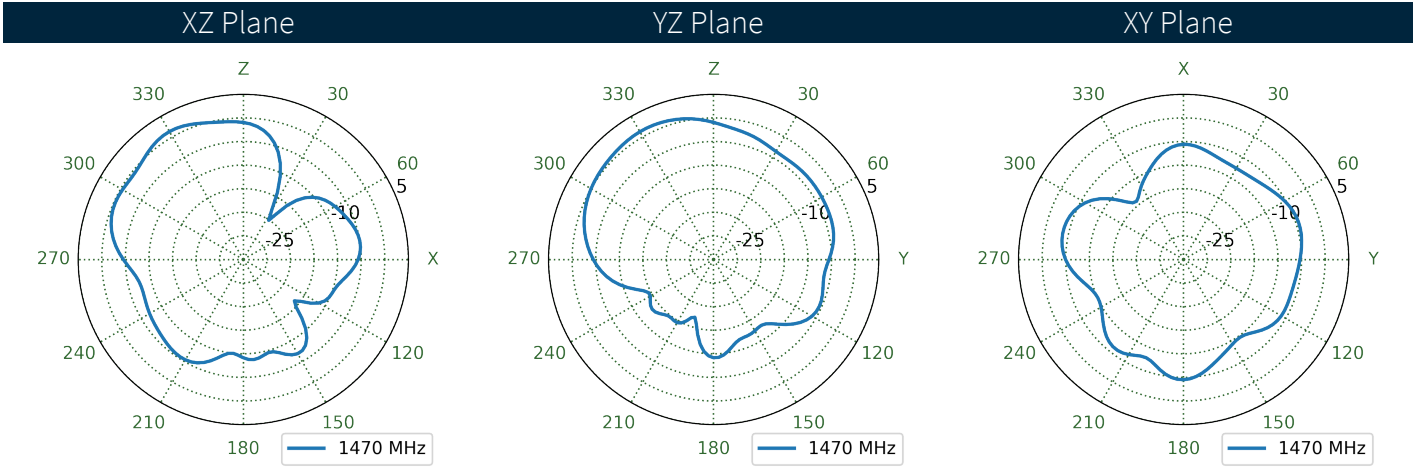
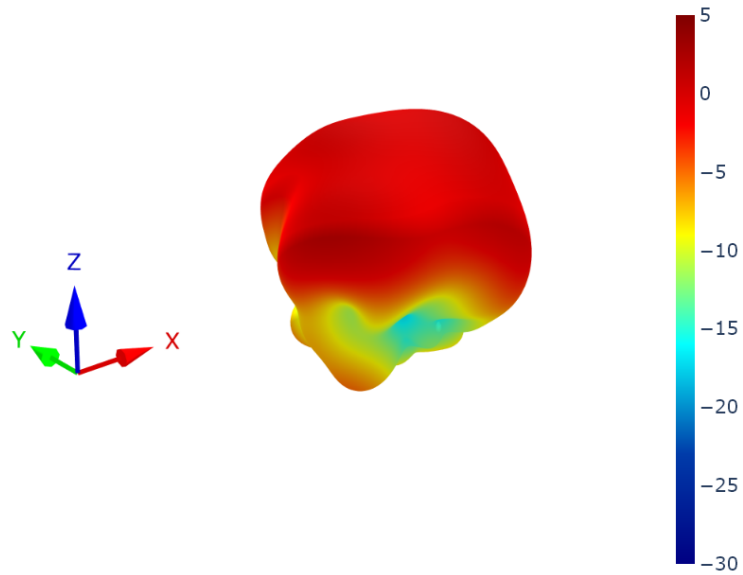
7.31 LTE4 Patterns at 1470 MHz



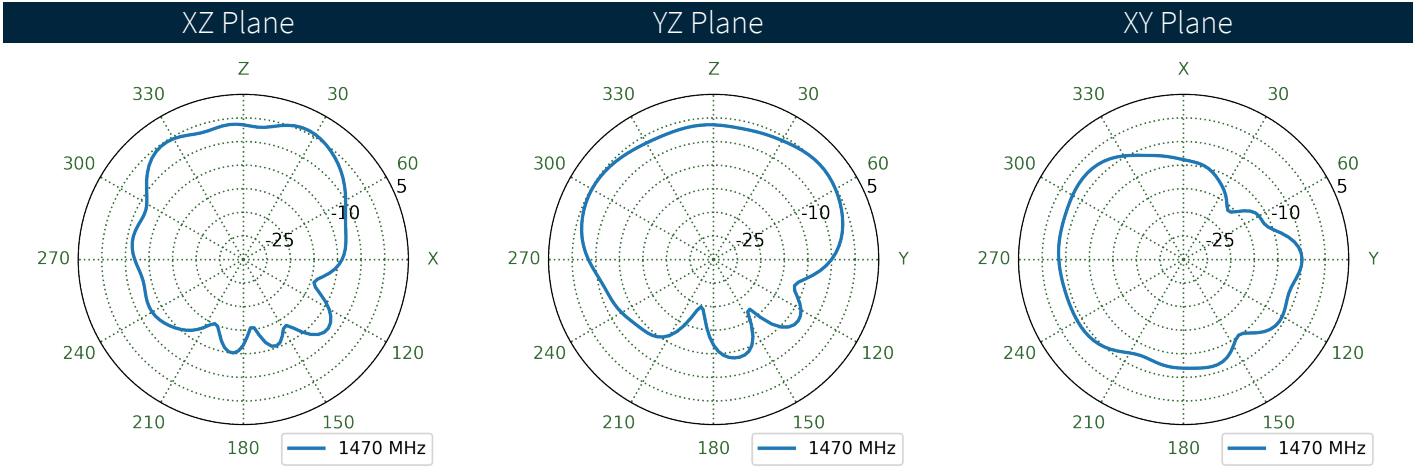
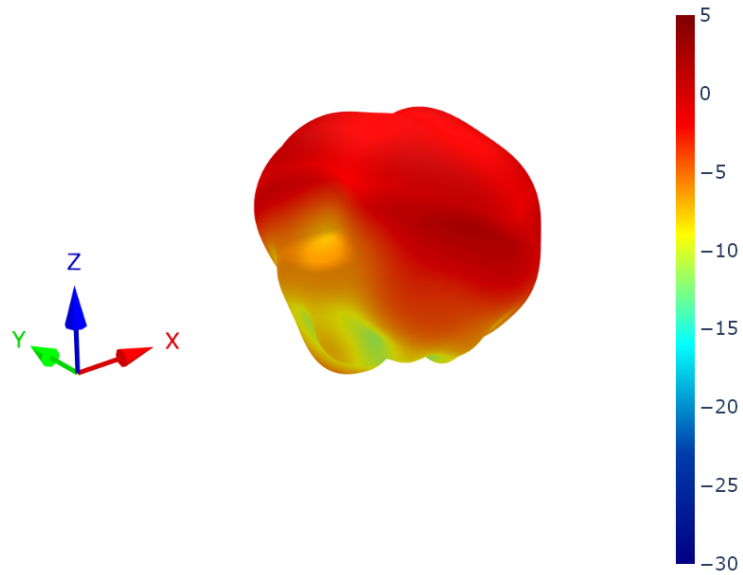
7.32 LTE5 Patterns at 1470 MHz



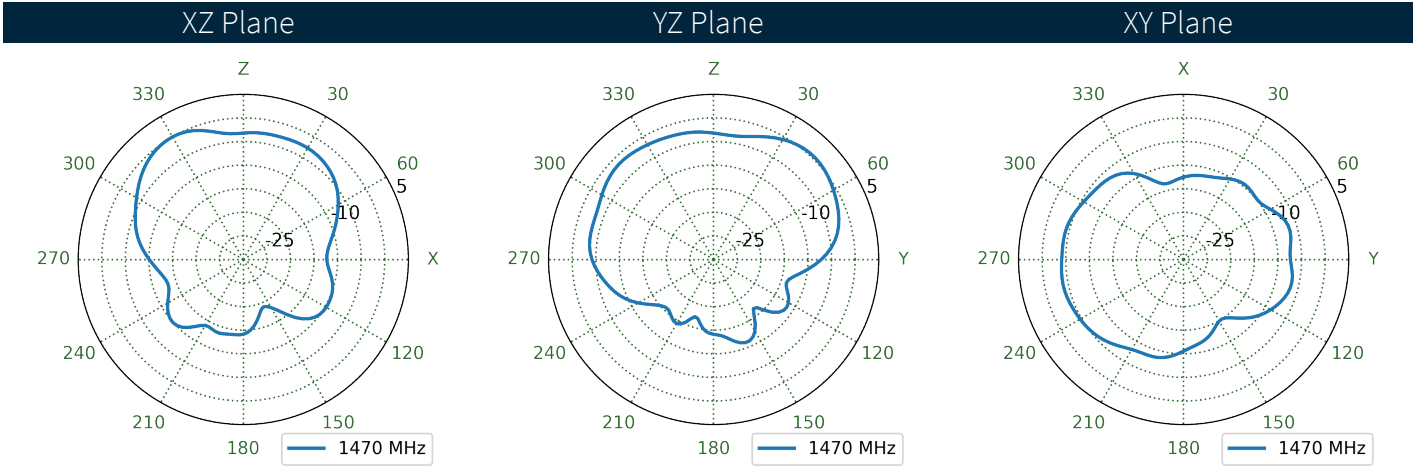
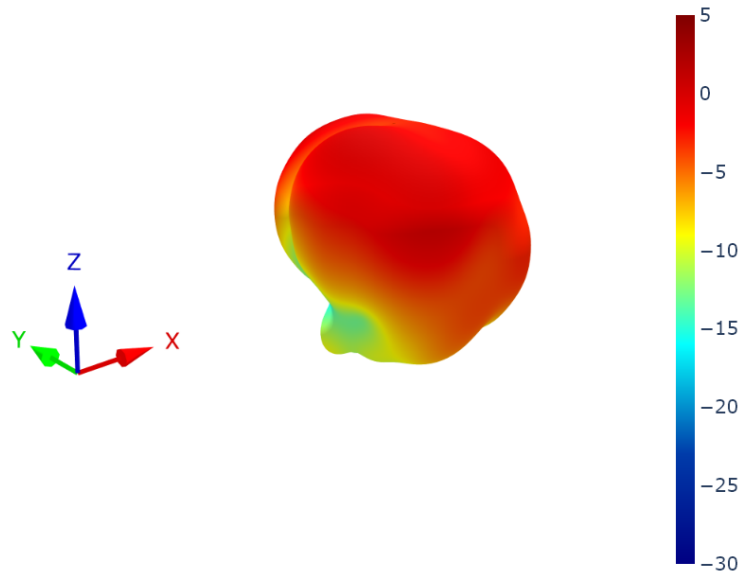
7.33 LTE6 Patterns at 1470 MHz



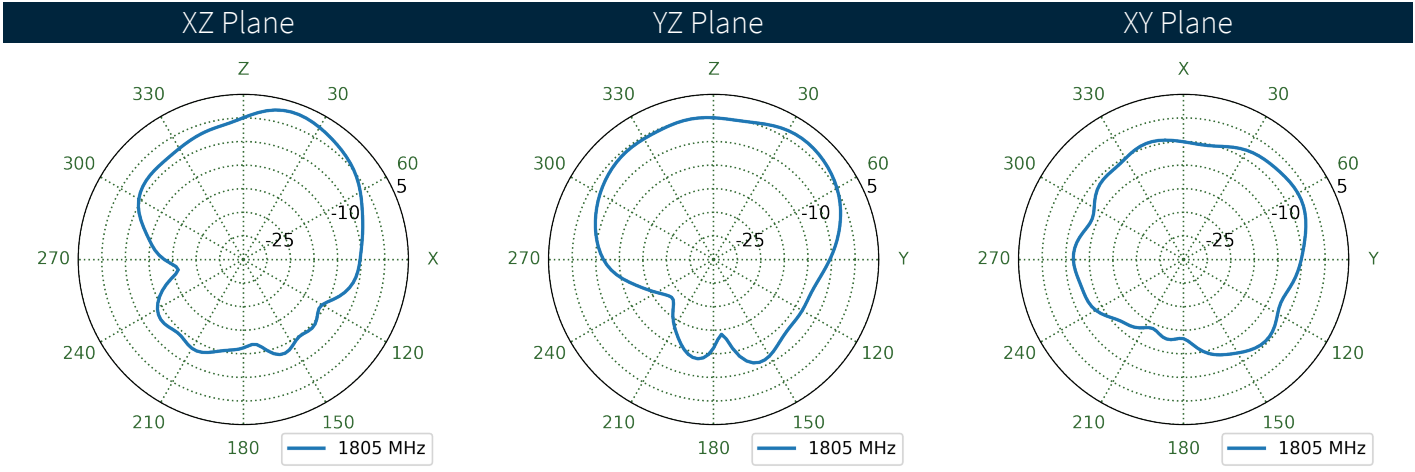
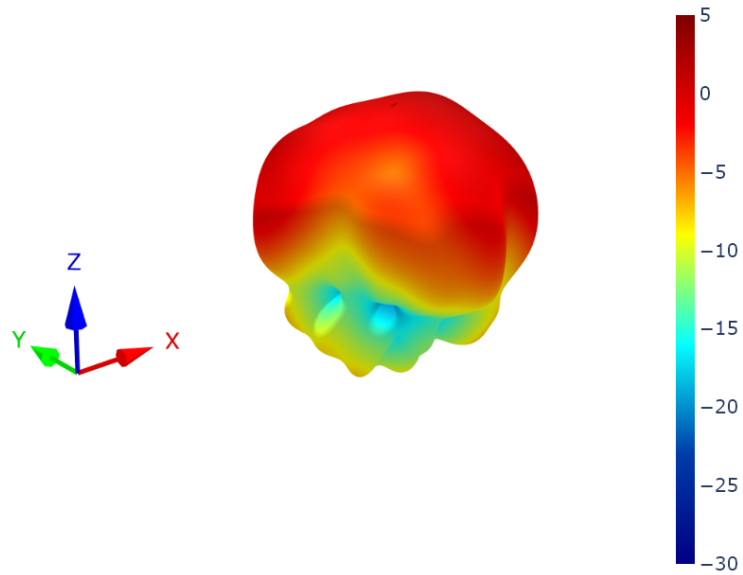
7.34 LTE7 Patterns at 1470 MHz



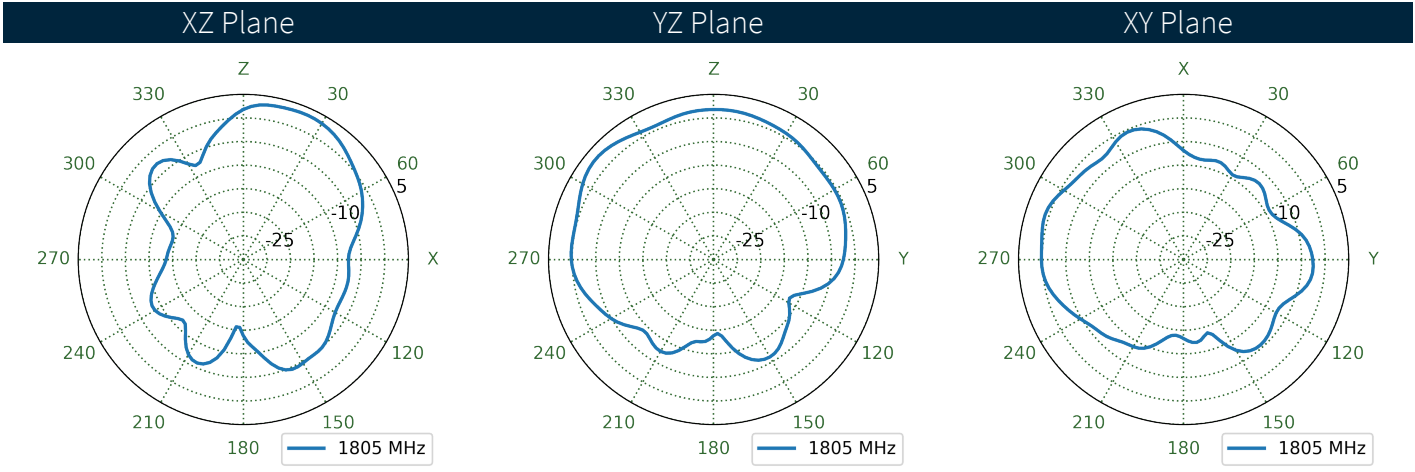
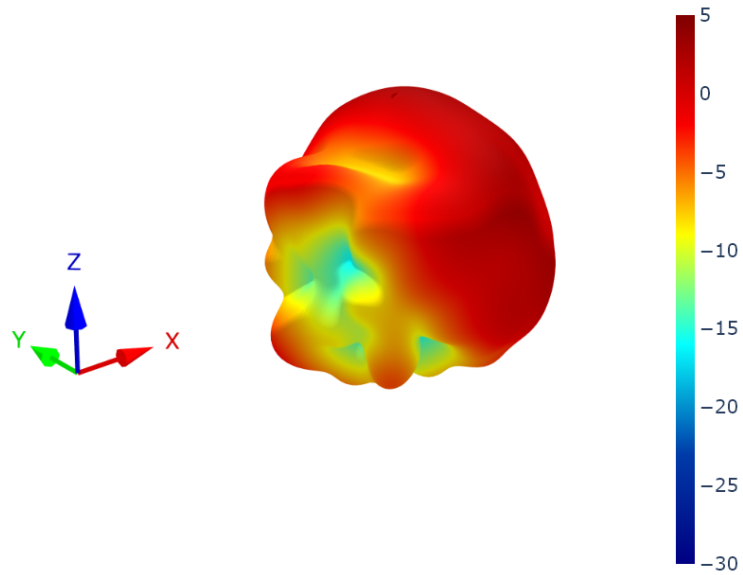
7.35 LTE8 Patterns at 1470 MHz



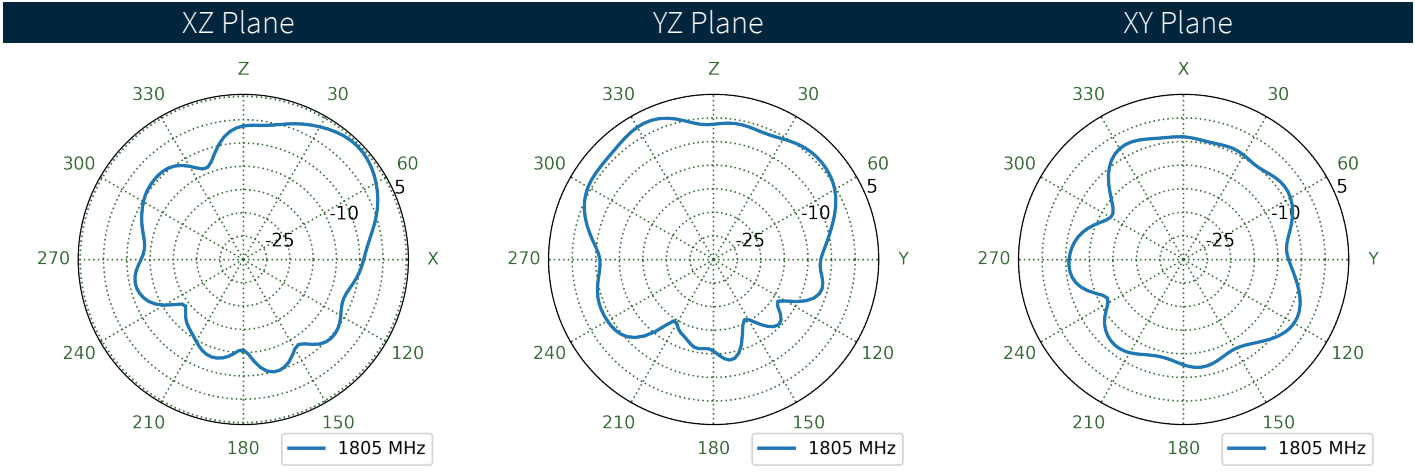
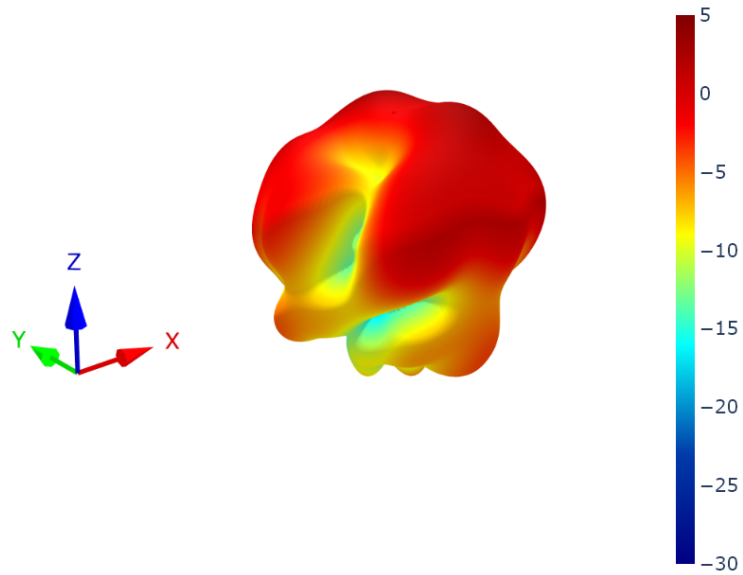
7.36 LTE1 Patterns at 1805 MHz



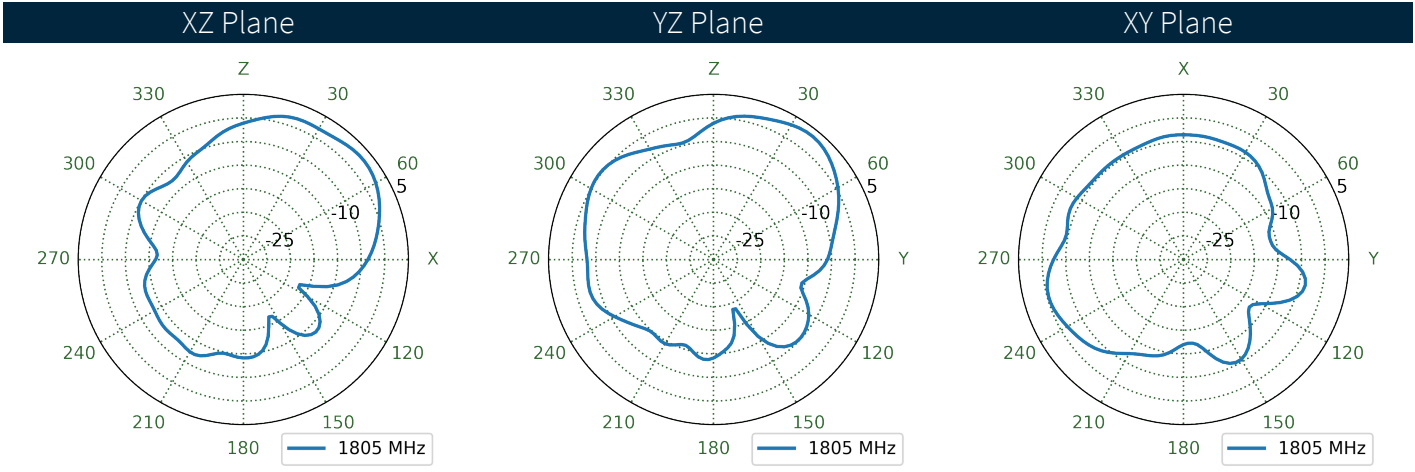
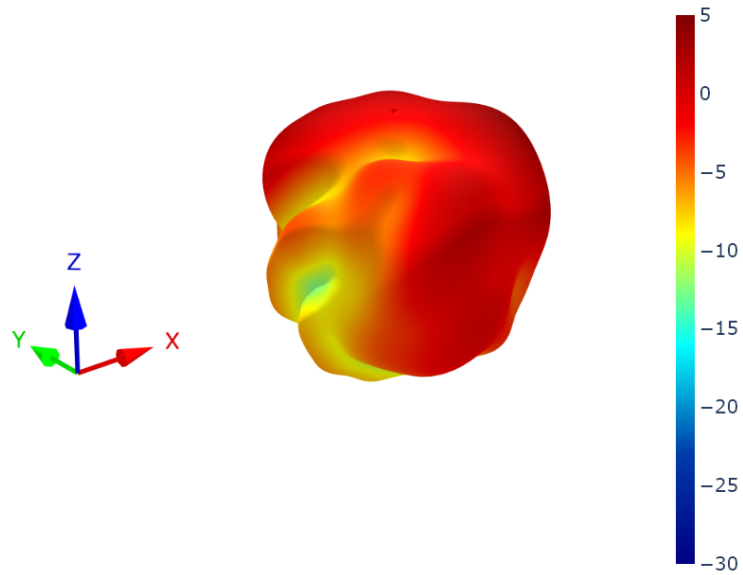
7.37 LTE2 Patterns at 1805 MHz



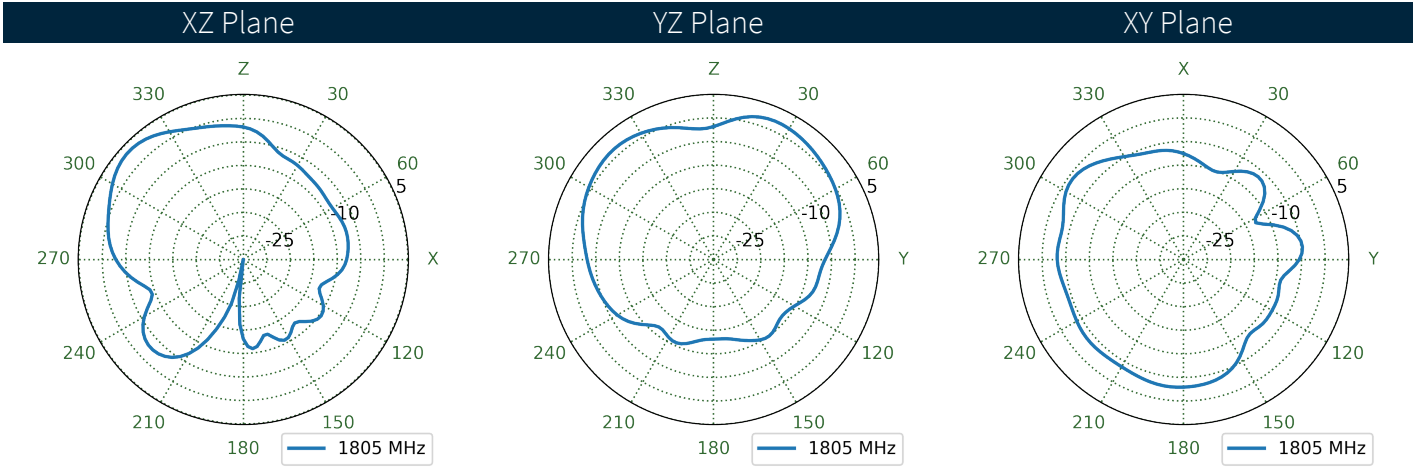
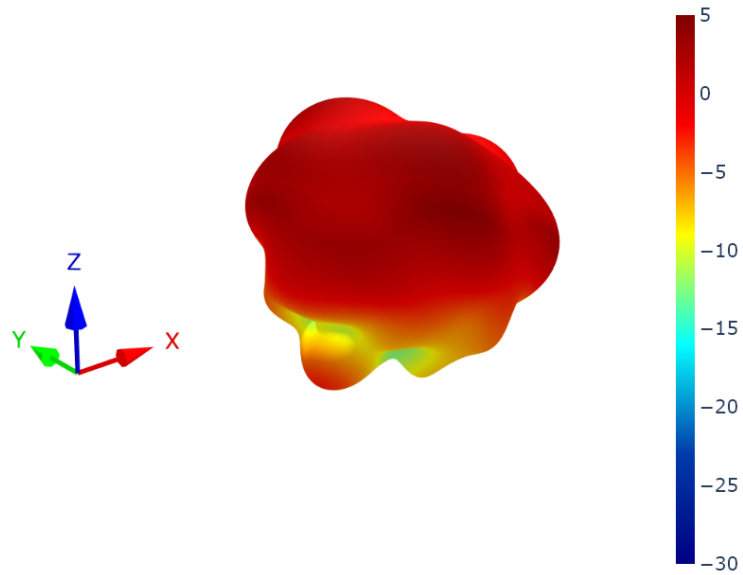
7.38 LTE3 Patterns at 1805 MHz



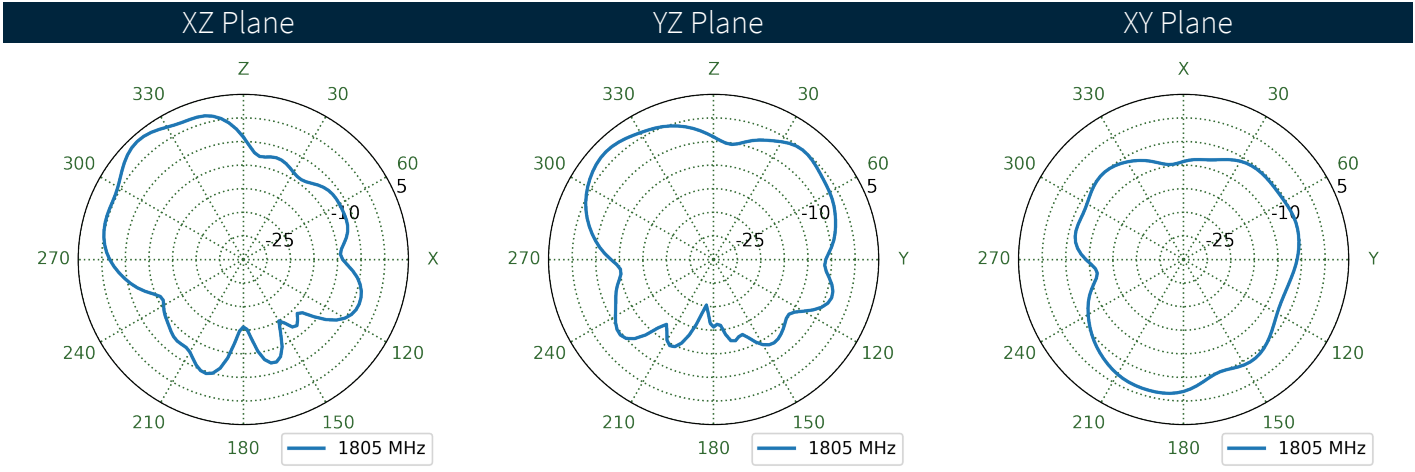
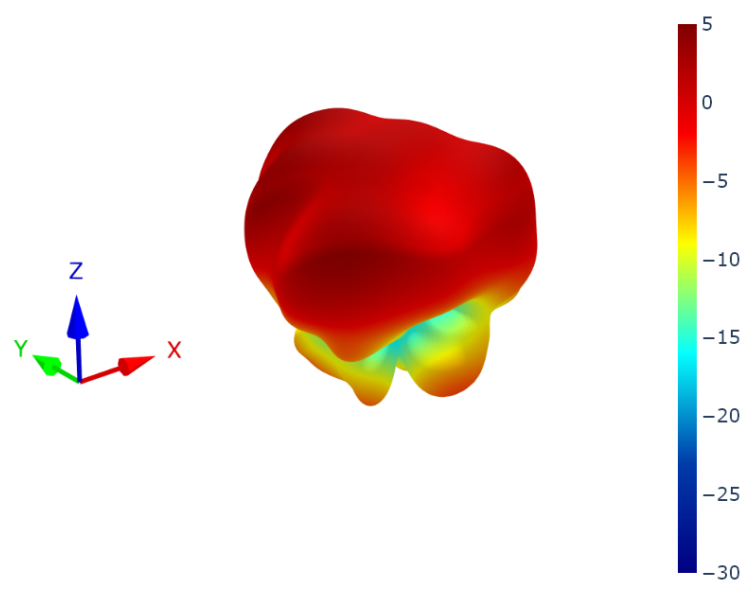
7.39 LTE4 Patterns at 1805 MHz



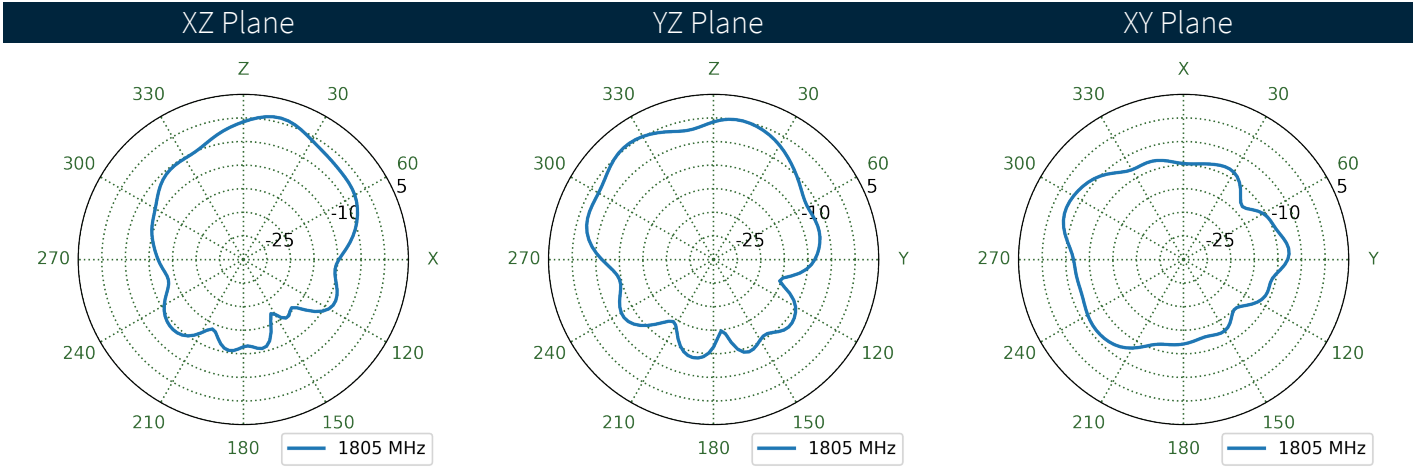
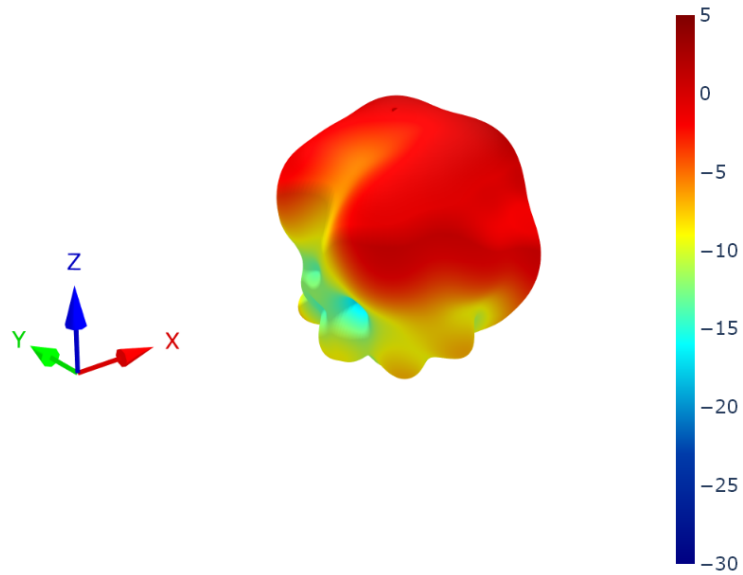
7.40 LTE5 Patterns at 1805 MHz



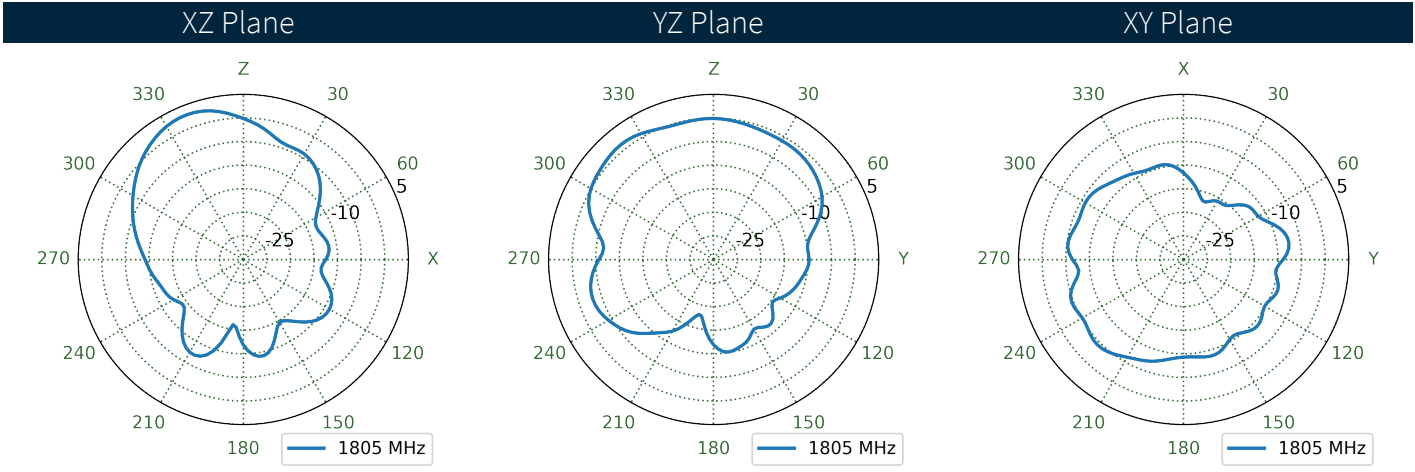
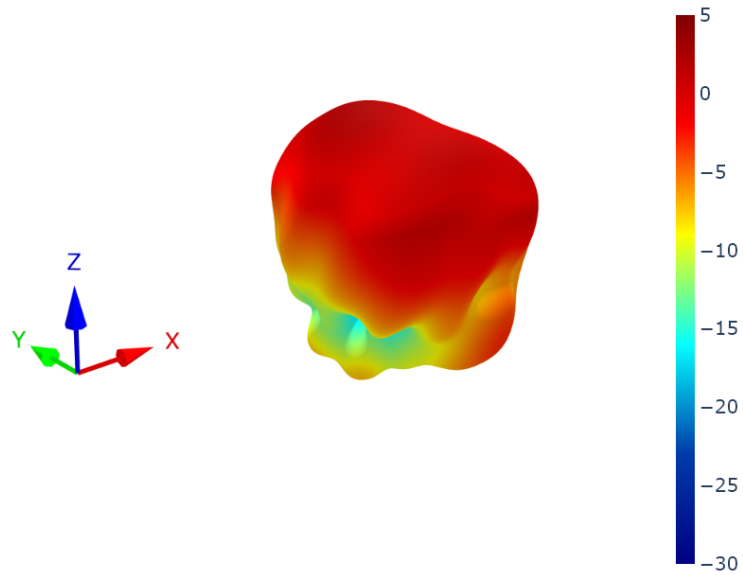
7.41 LTE6 Patterns at 1805 MHz



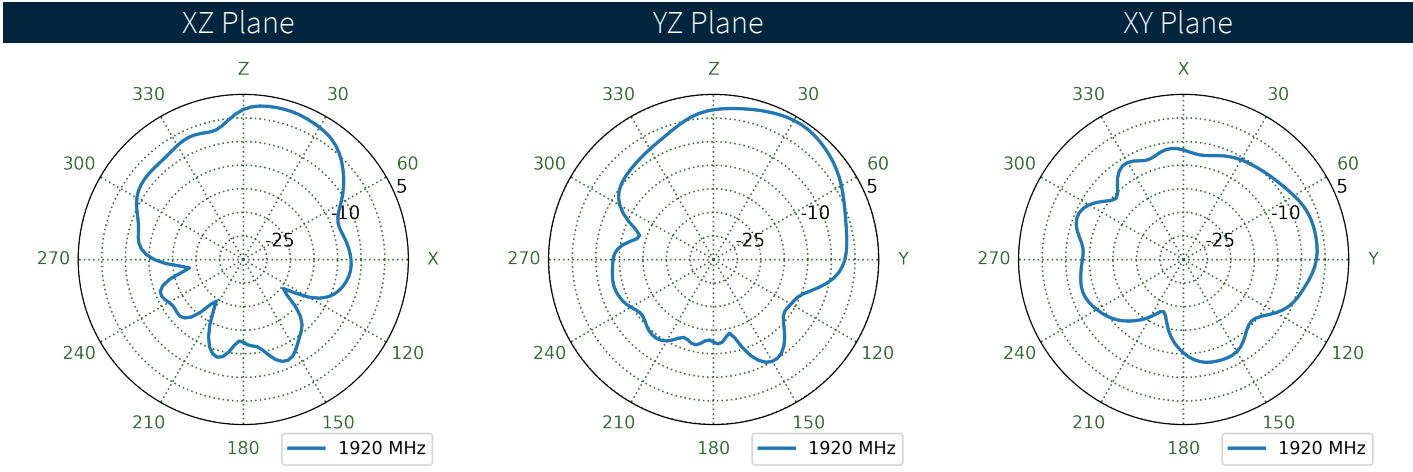
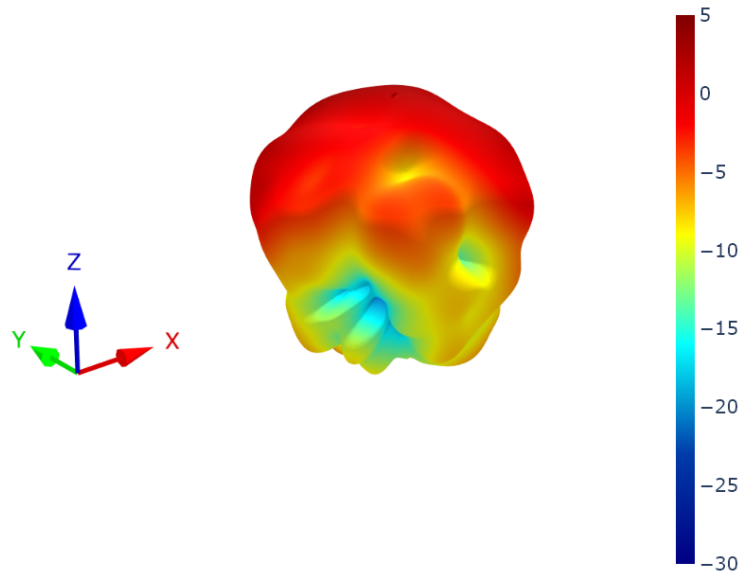
7.42 LTE7 Patterns at 1805 MHz



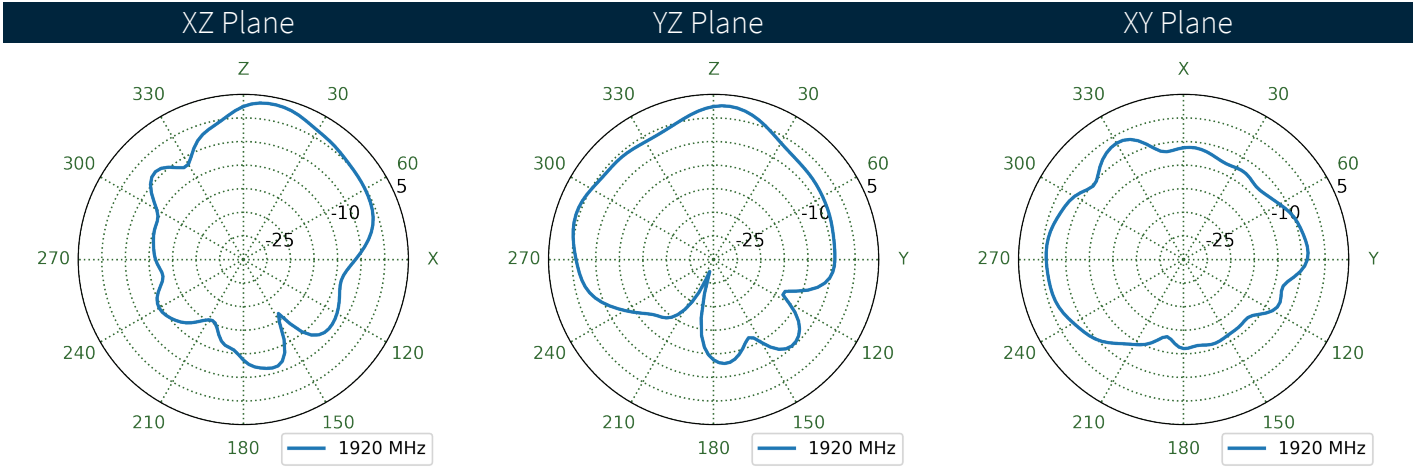
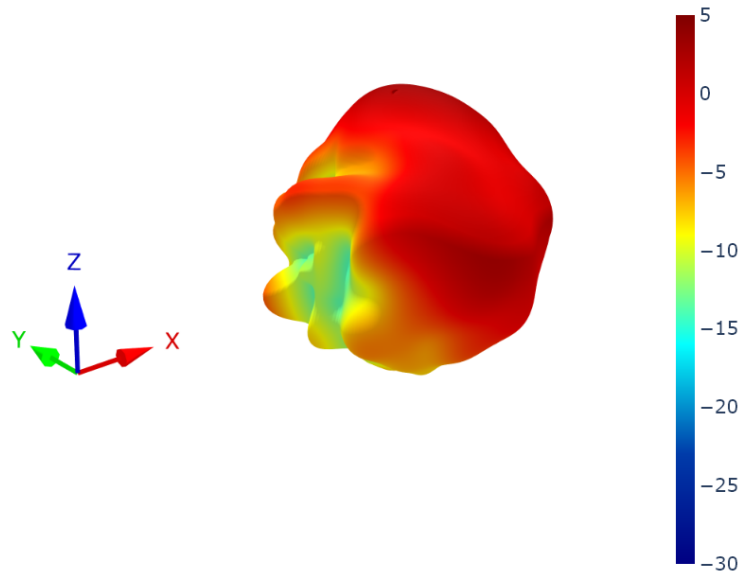
7.43 LTE8 Patterns at 1805 MHz



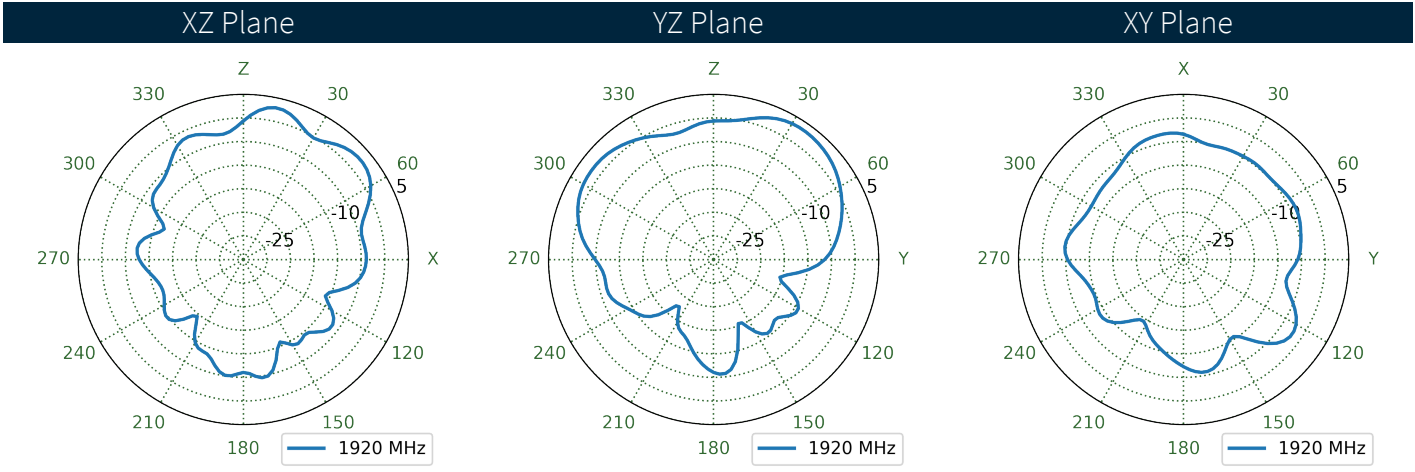
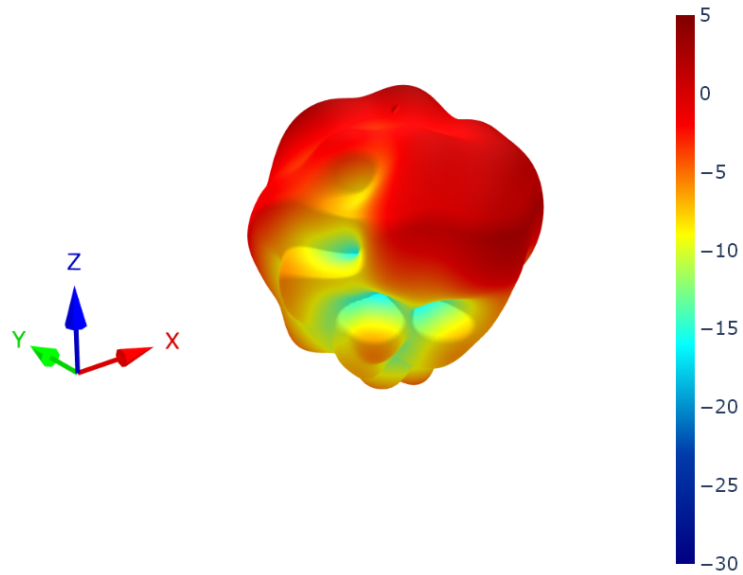
7.44 LTE1 Patterns at 1920 MHz



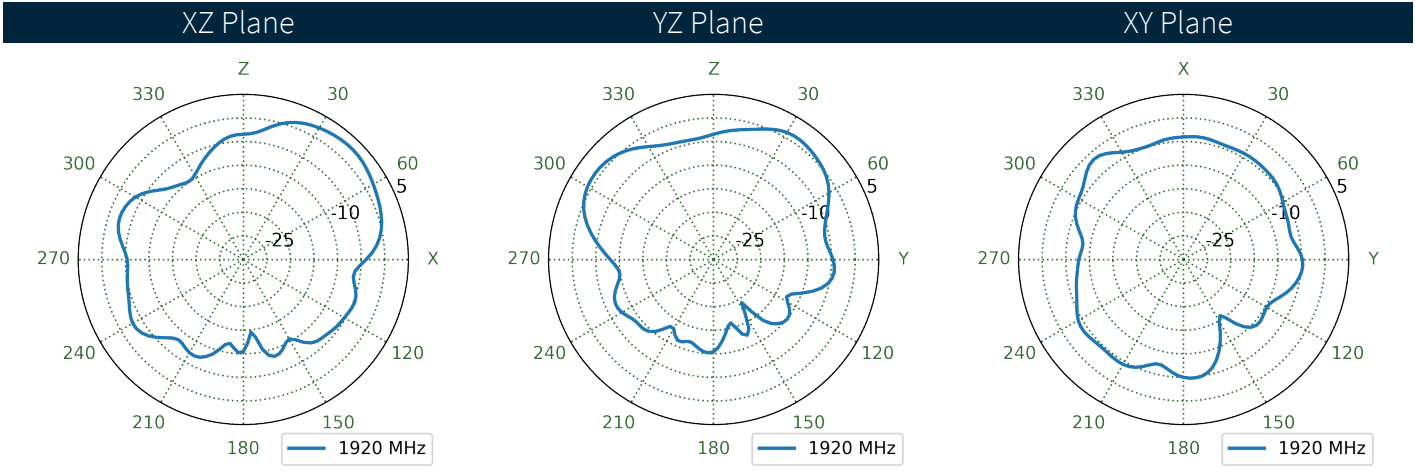
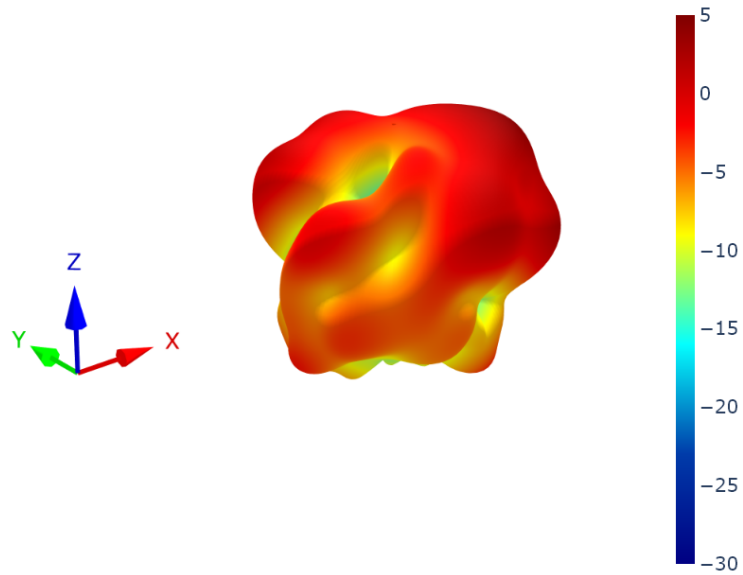
7.45 LTE2 Patterns at 1920 MHz



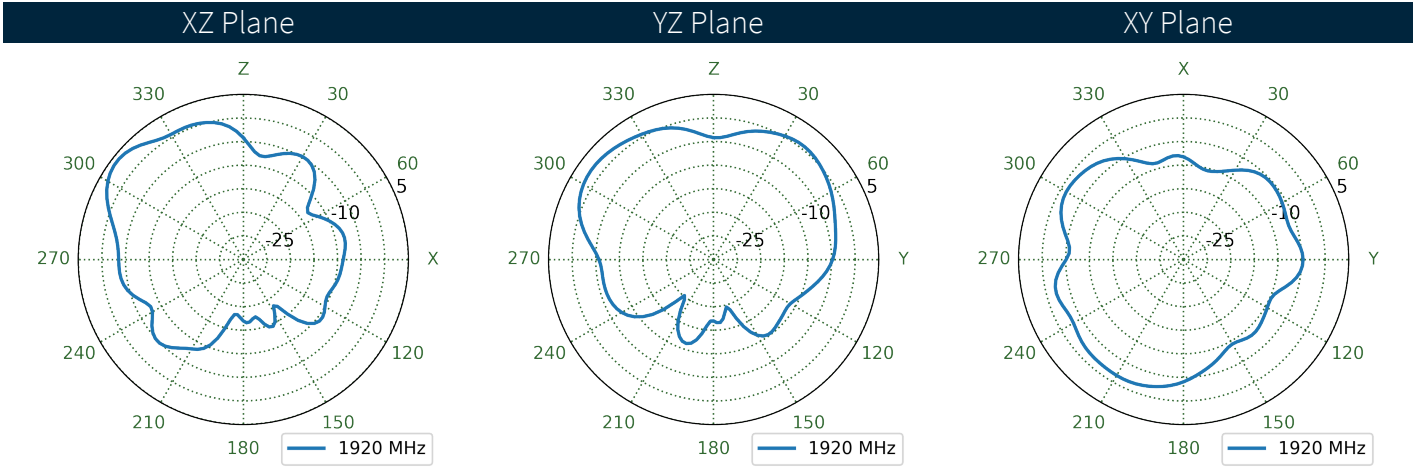
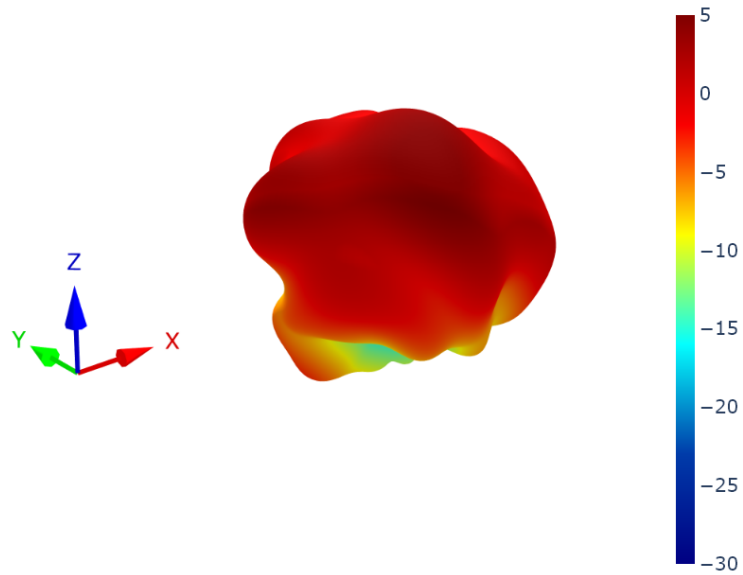
7.46 LTE3 Patterns at 1920 MHz



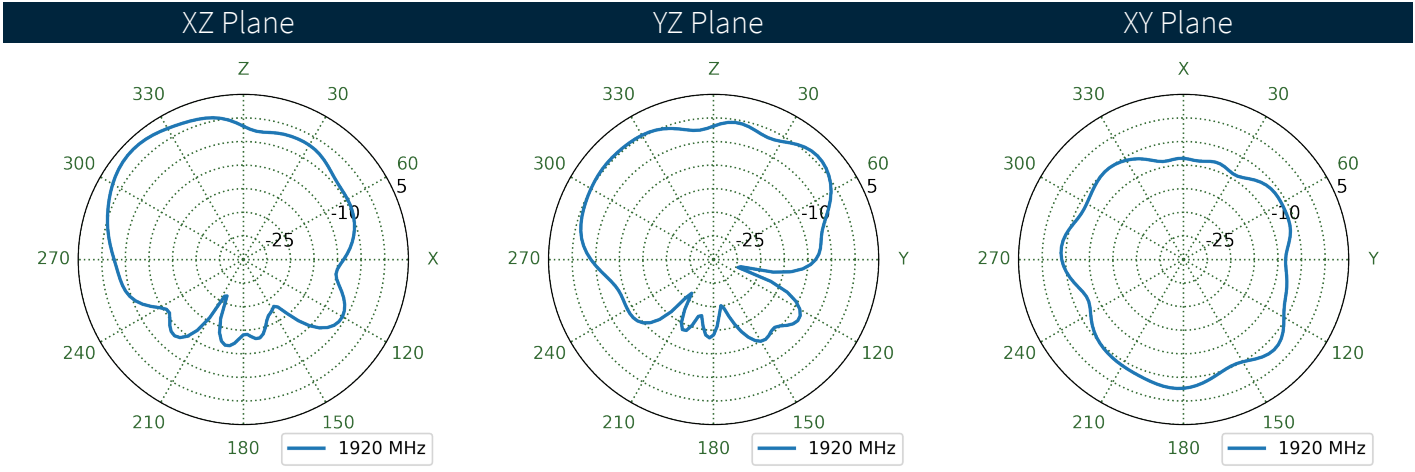
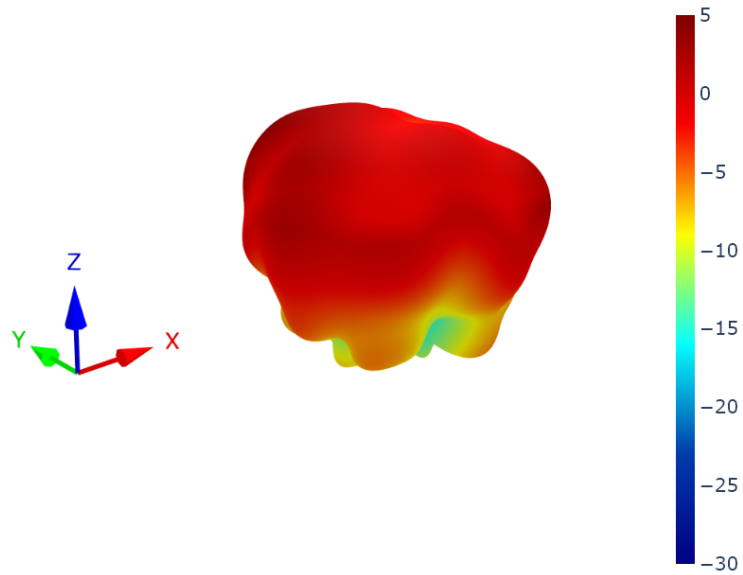
7.47 LTE4 Patterns at 1920 MHz



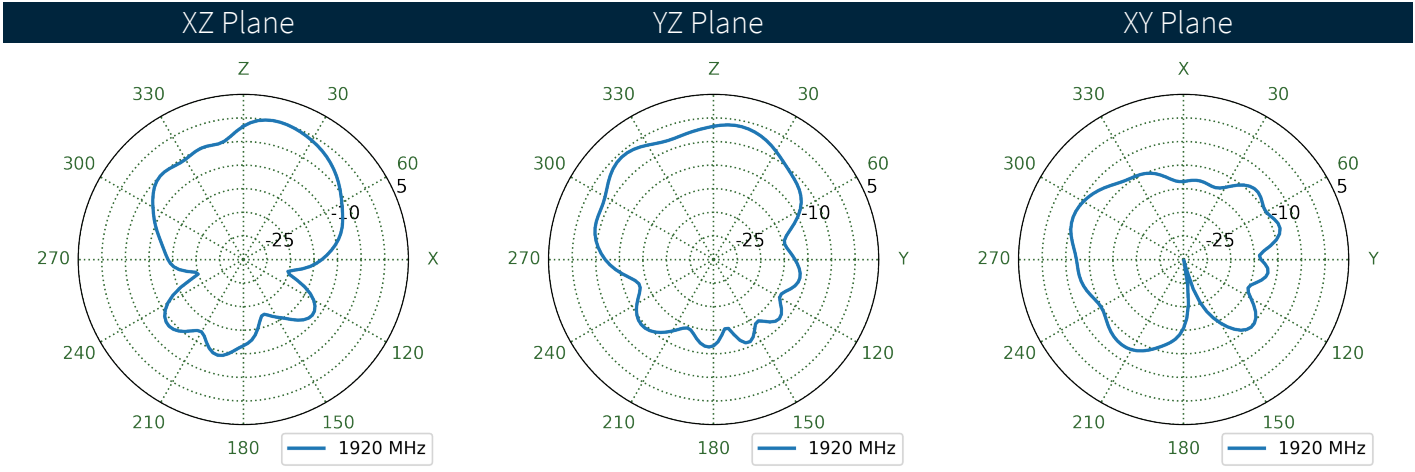
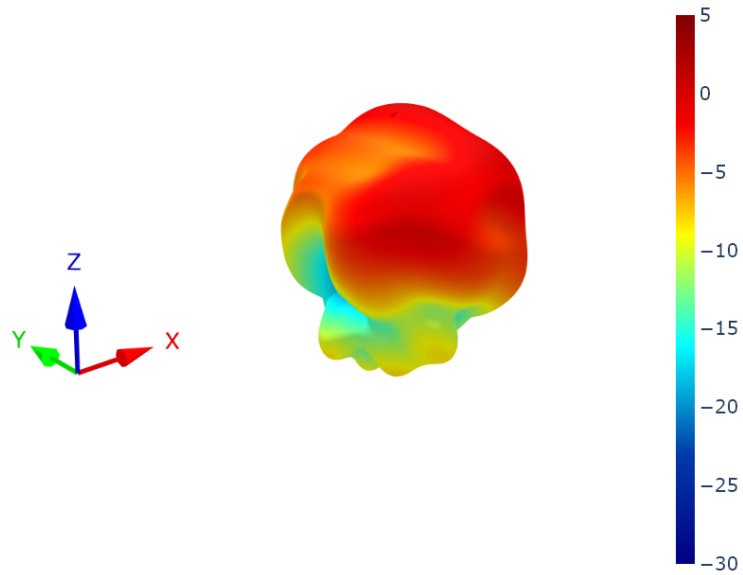
7.48 LTE5 Patterns at 1920 MHz



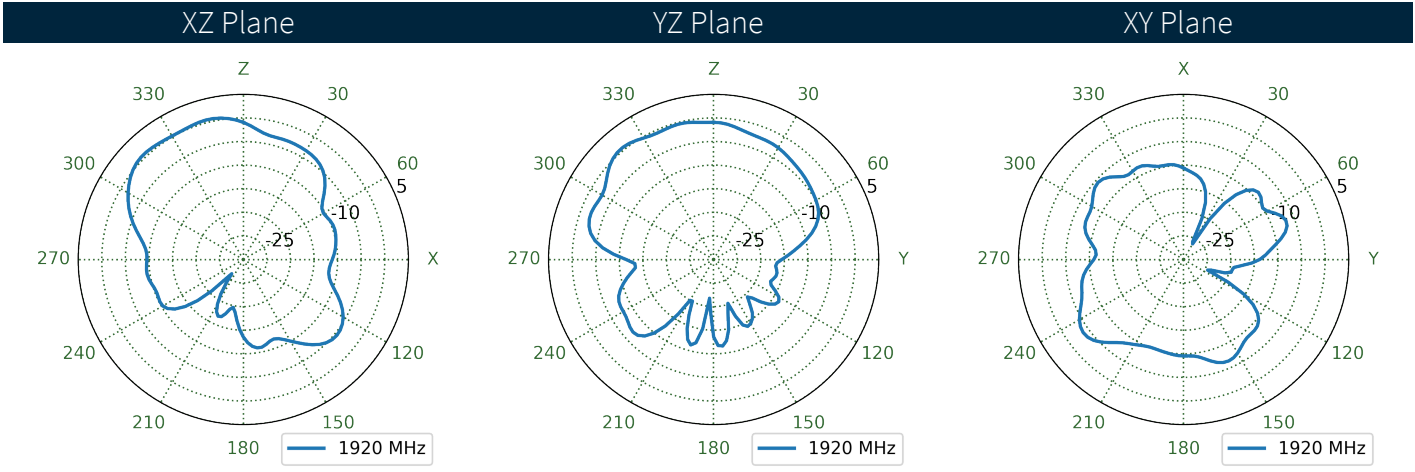
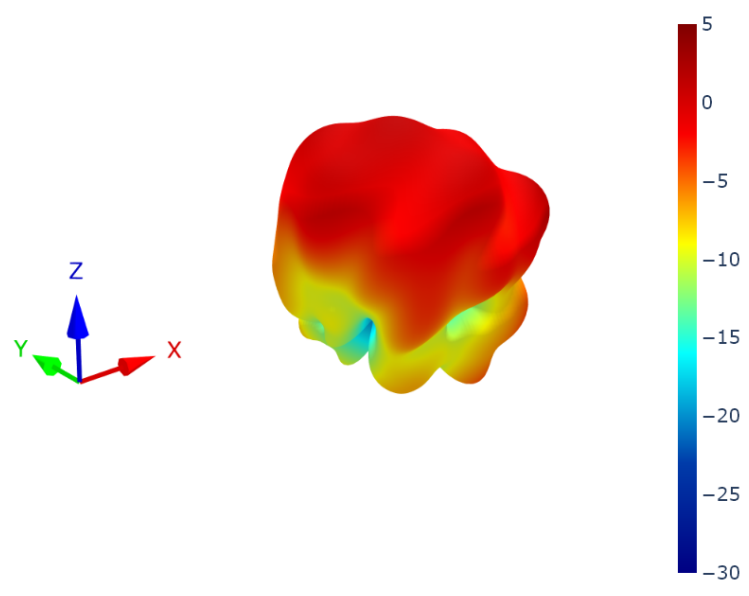
7.49 LTE6 Patterns at 1920 MHz



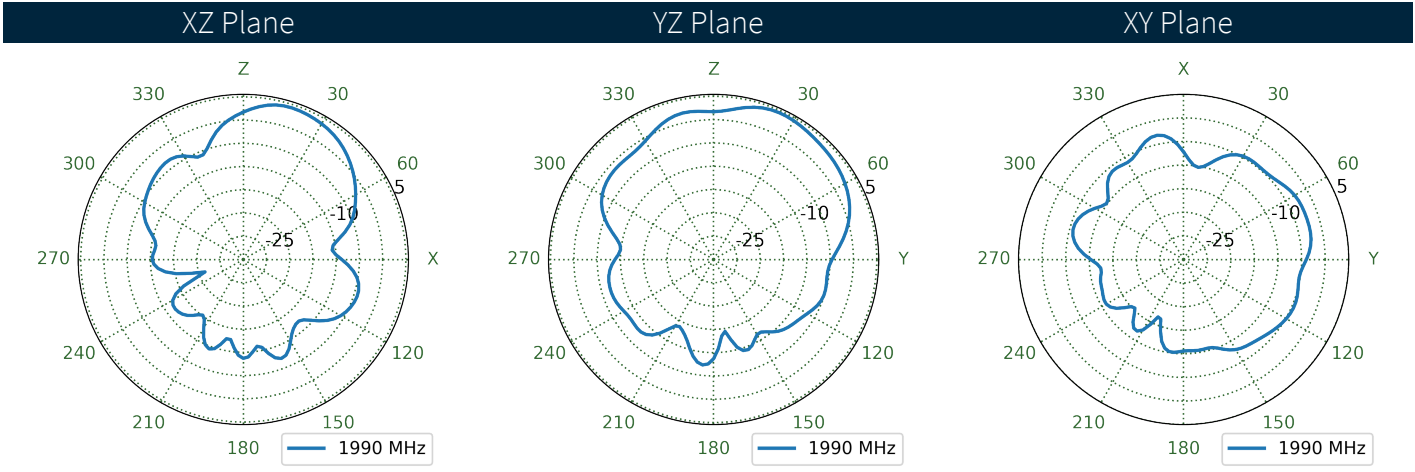
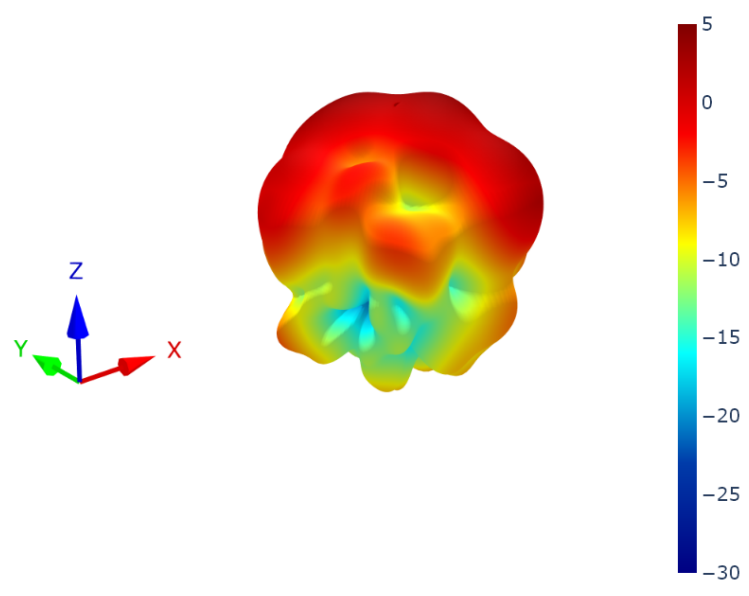
7.50 LTE7 Patterns at 1920 MHz



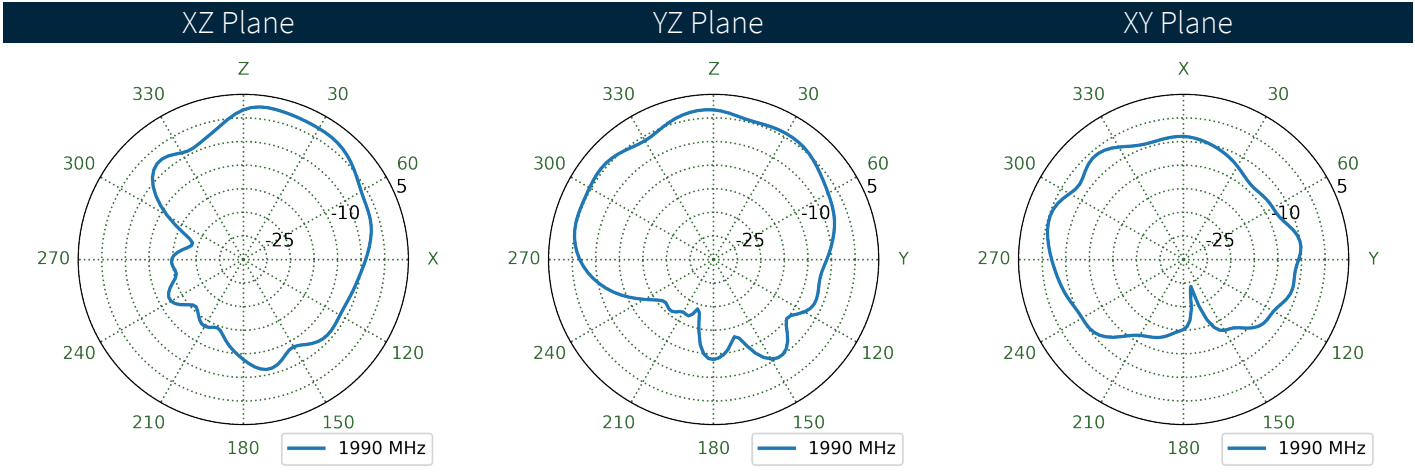
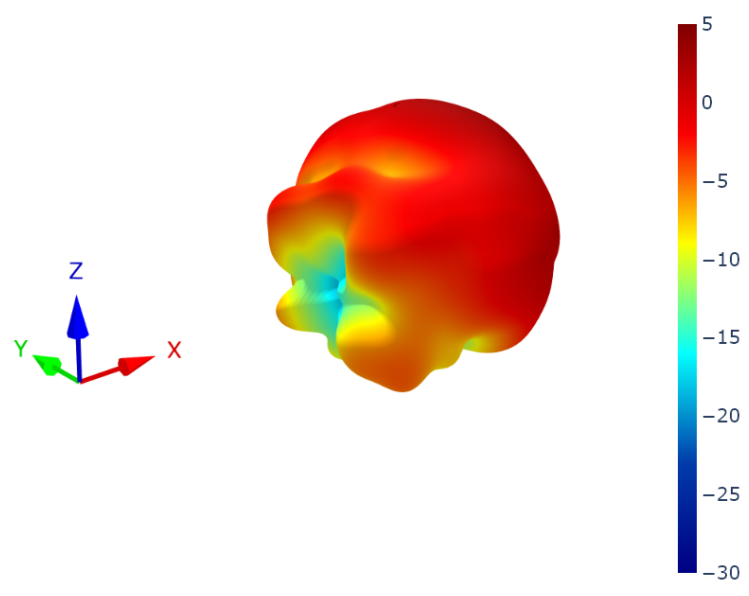
7.51 LTE8 Patterns at 1920 MHz



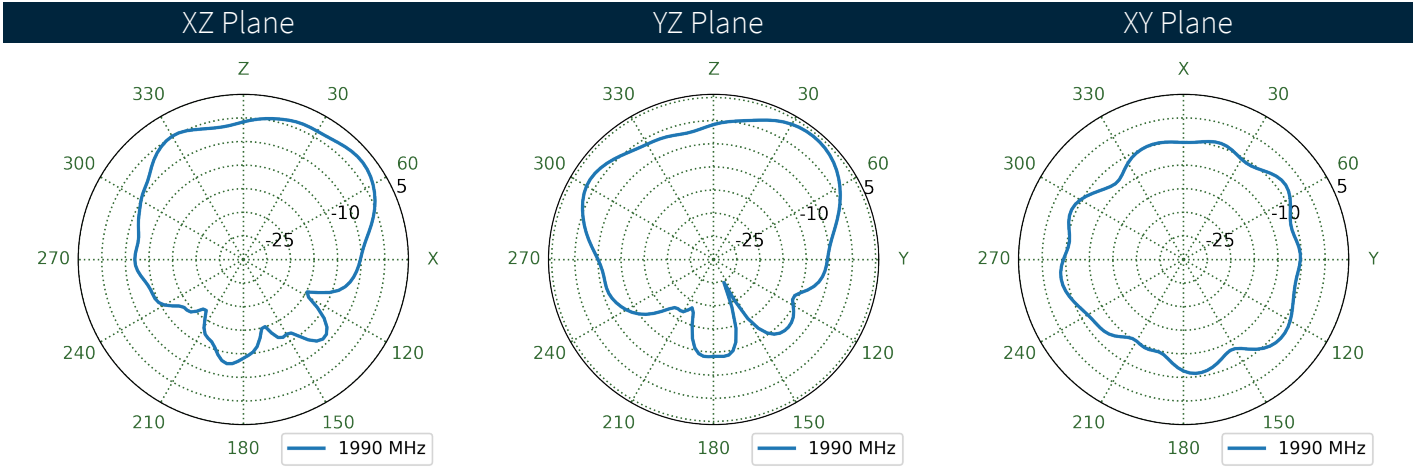
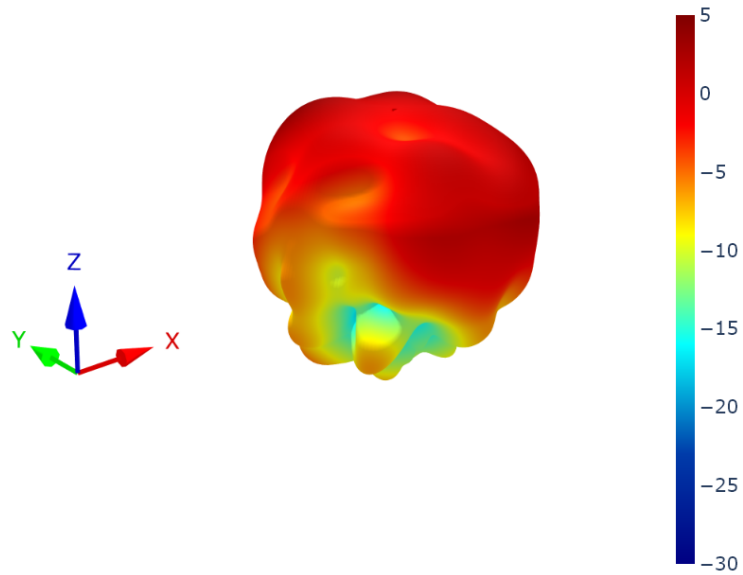
7.52 LTE1 Patterns at 1990 MHz



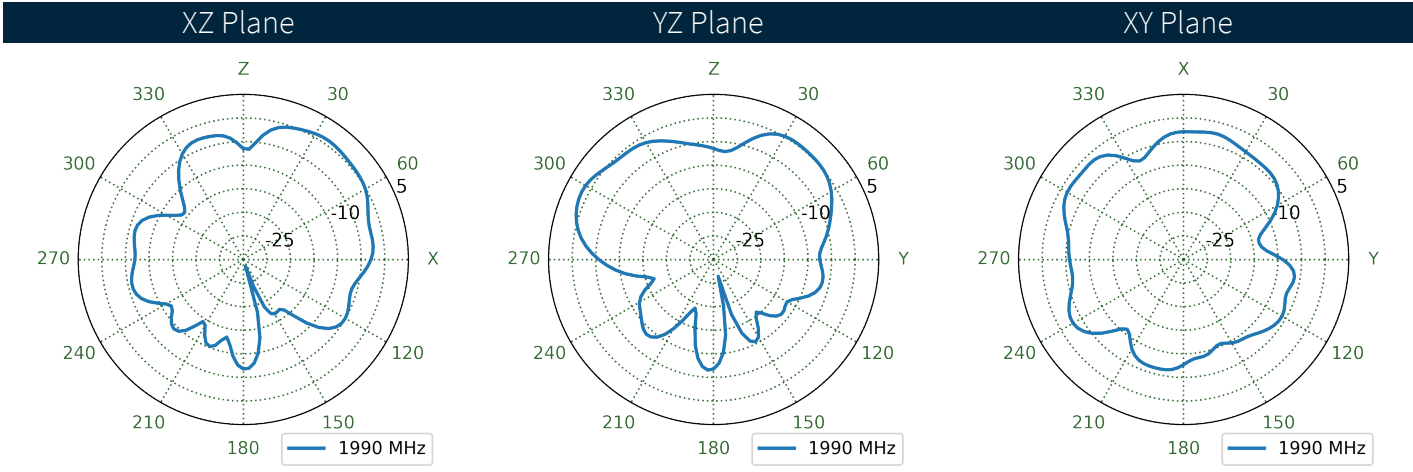
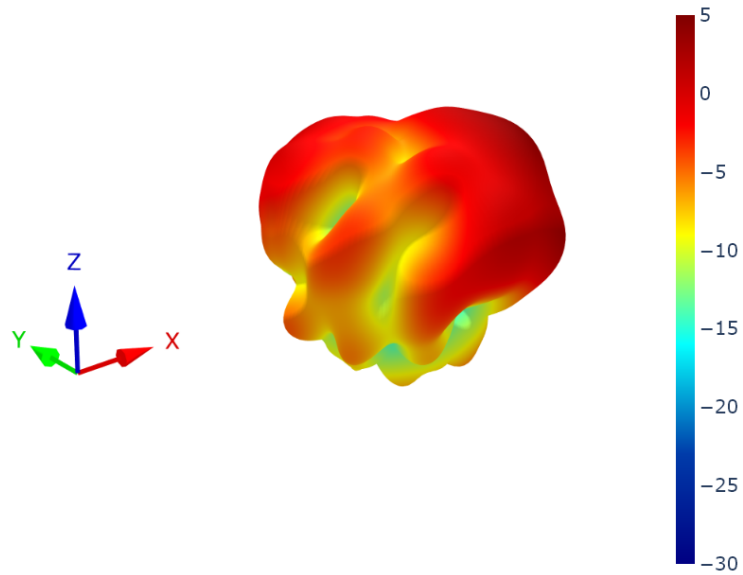
7.53 LTE2 Patterns at 1990 MHz



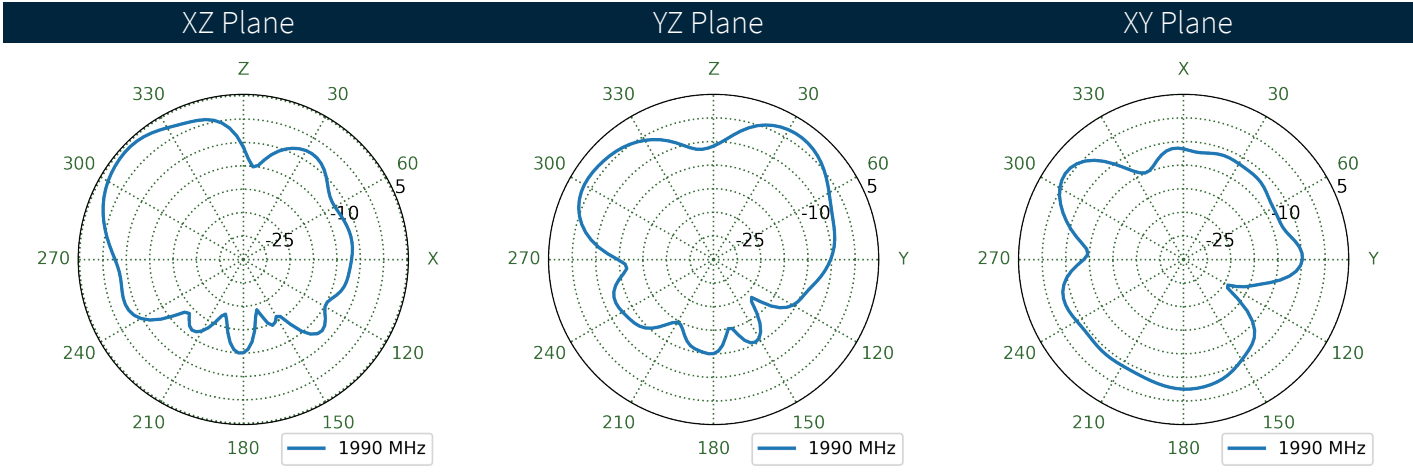
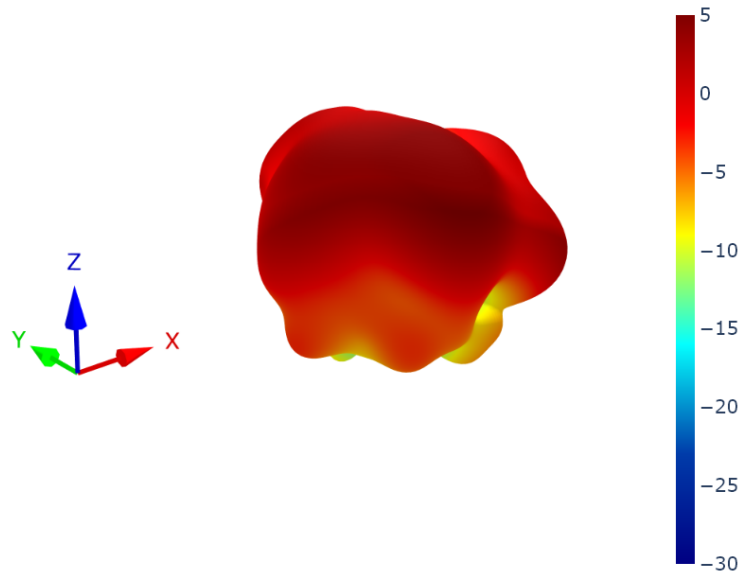
7.54 LTE3 Patterns at 1990 MHz



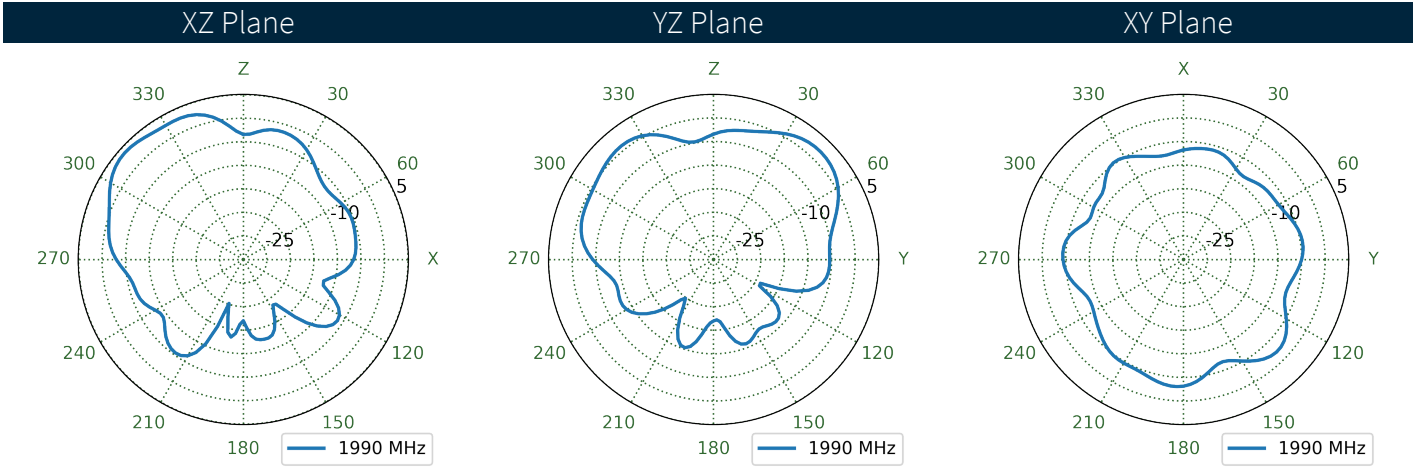
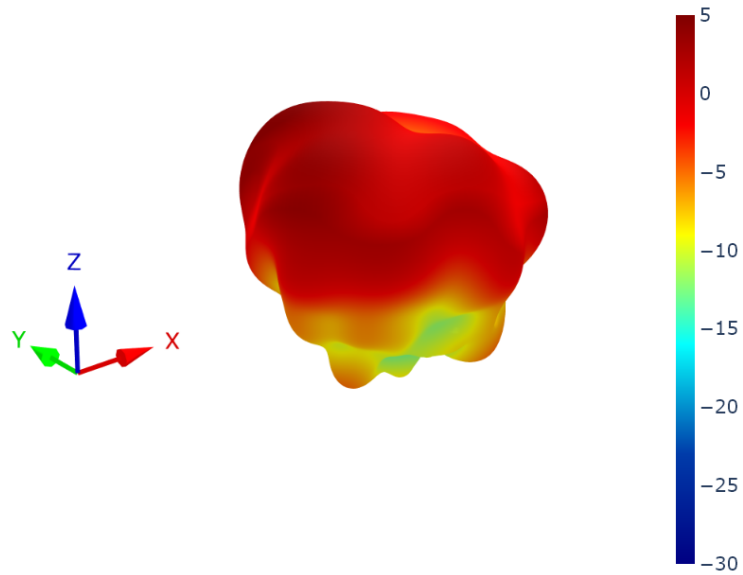
7.55 LTE4 Patterns at 1990 MHz



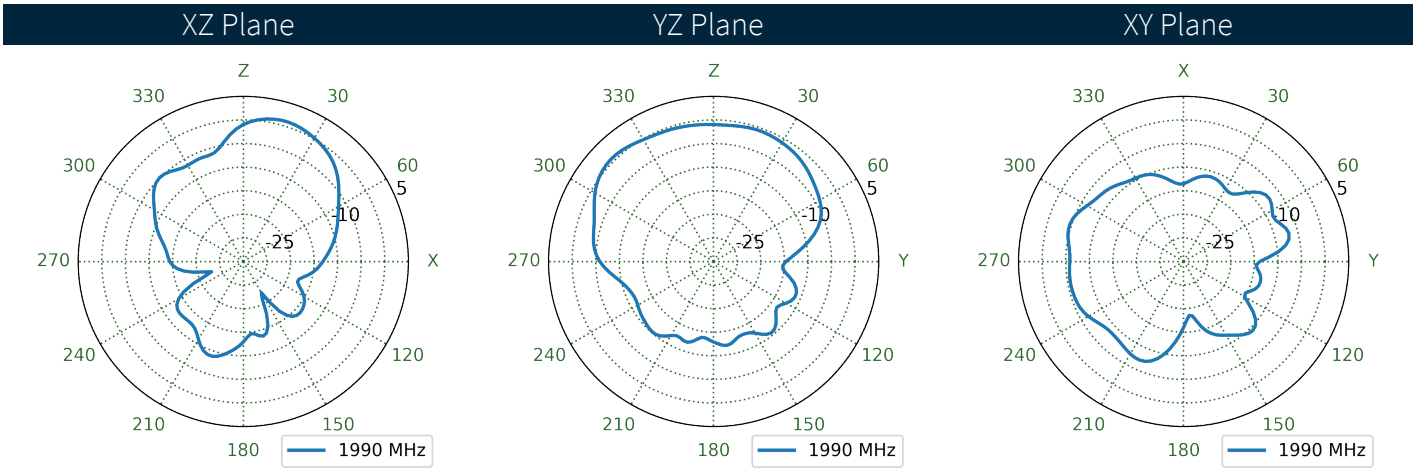
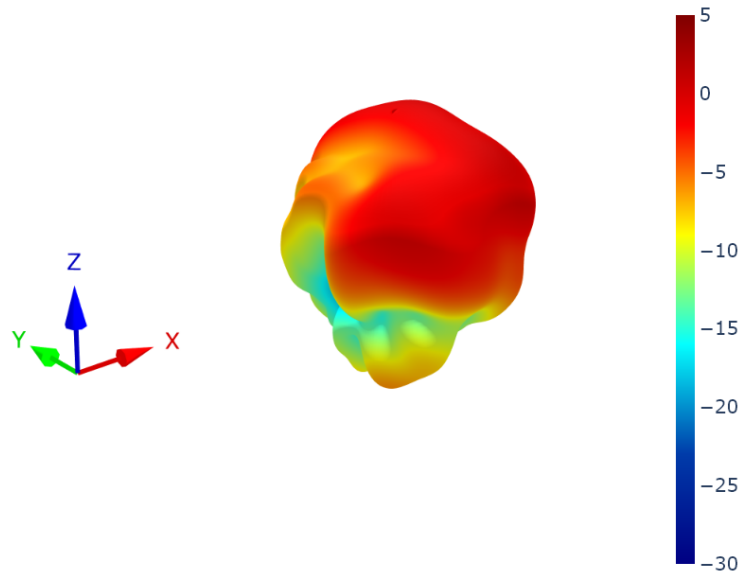
7.56 LTE5 Patterns at 1990 MHz



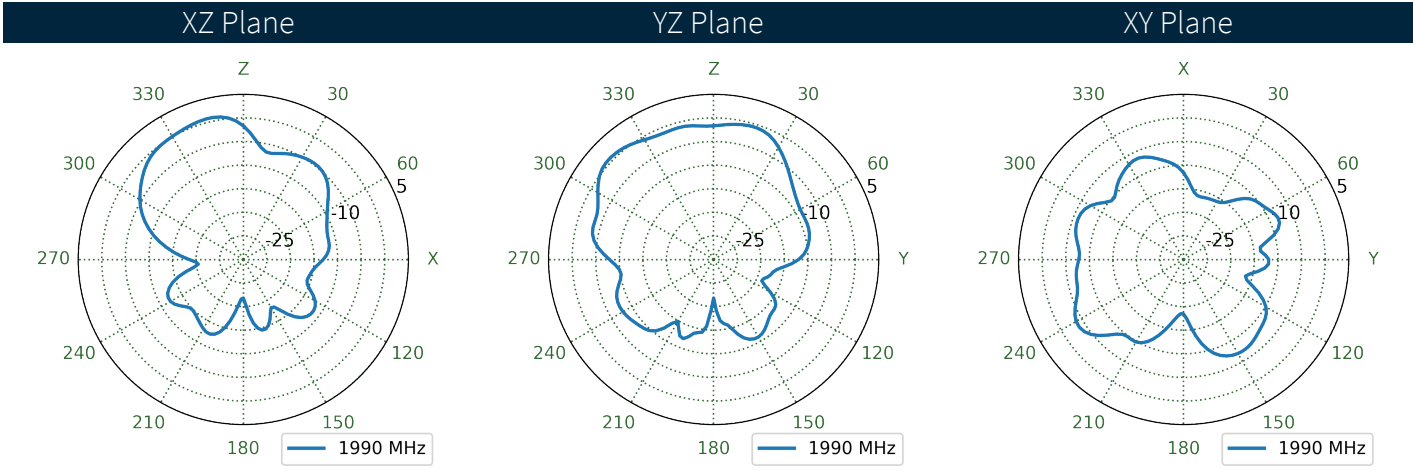
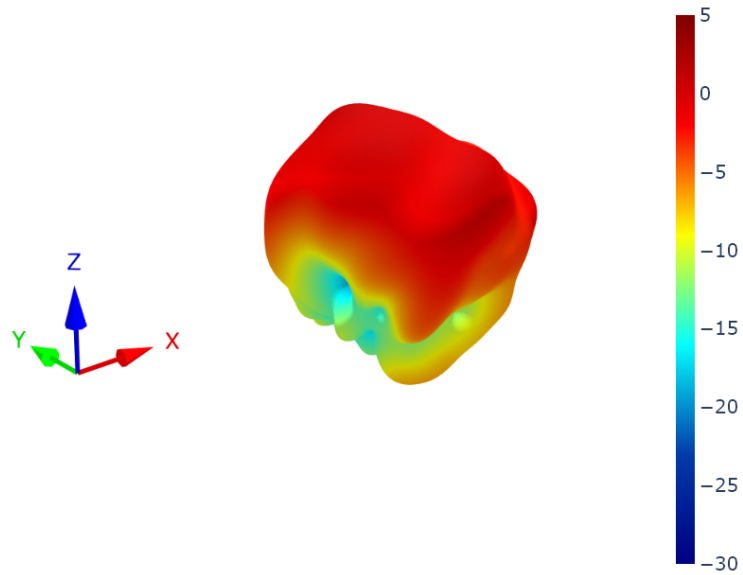
7.57 LTE6 Patterns at 1990 MHz



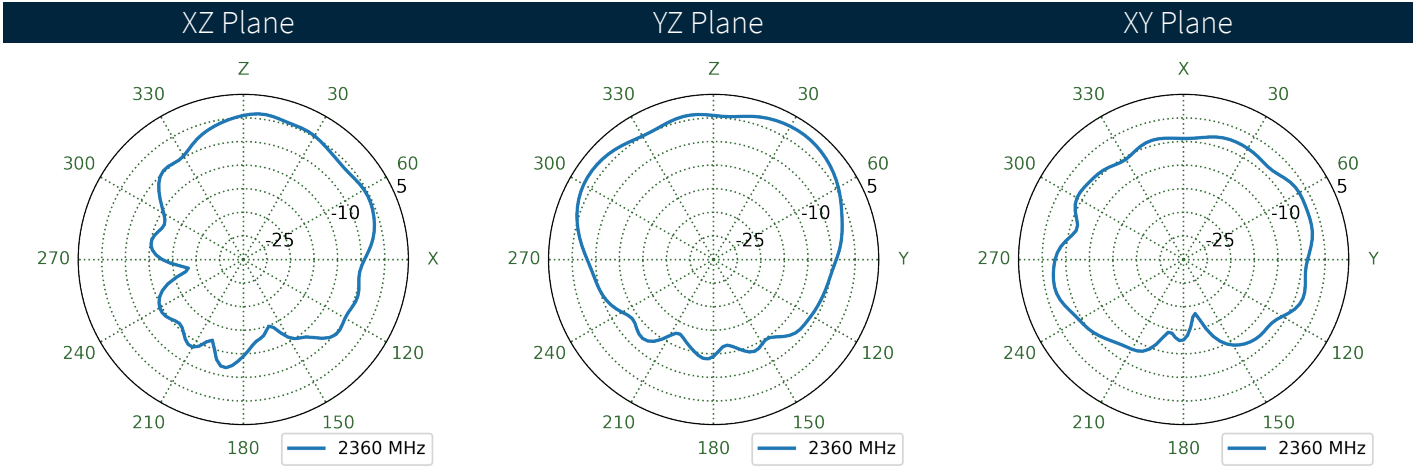
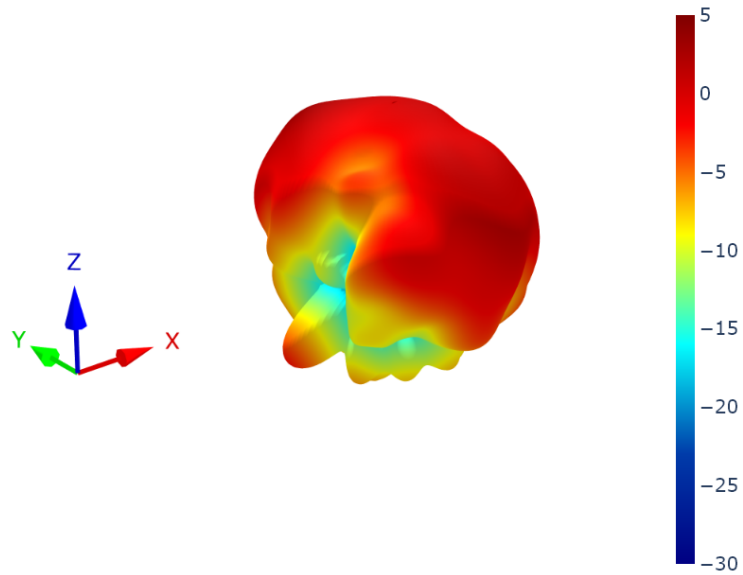
7.58 LTE7 Patterns at 1990 MHz



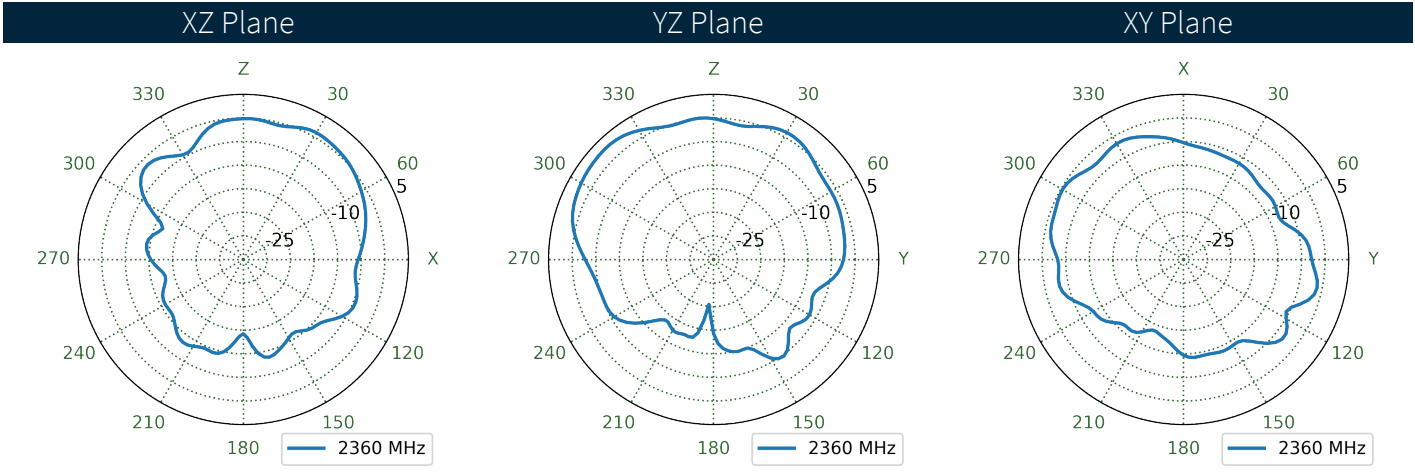
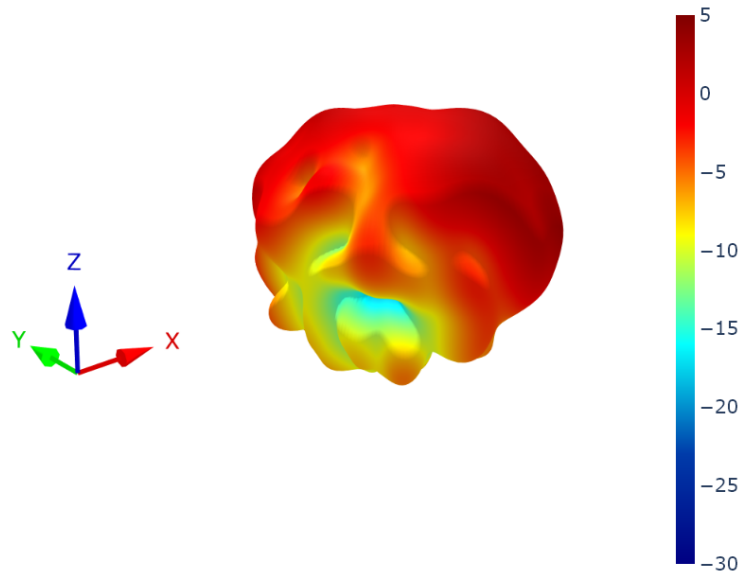
7.59 LTE8 Patterns at 1990 MHz



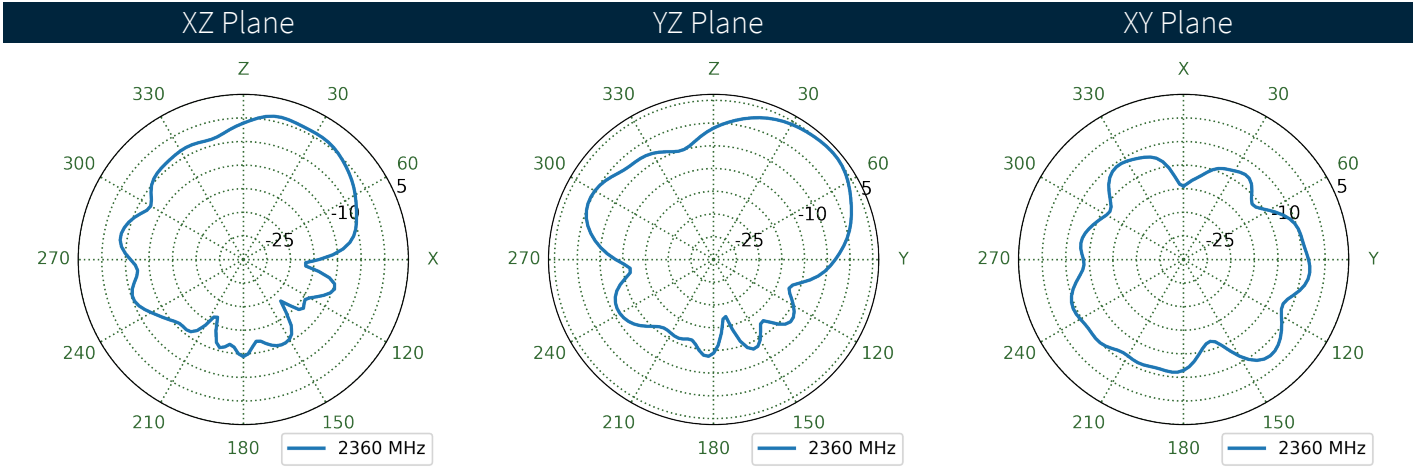
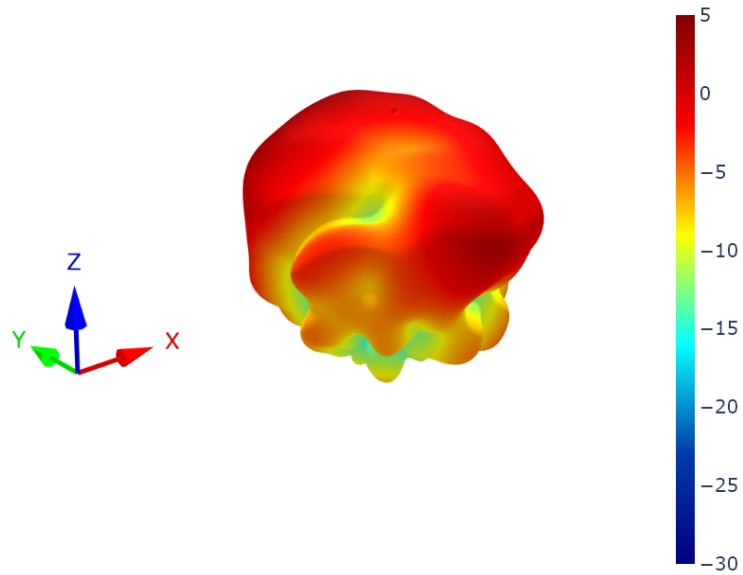
7.60 LTE1 Patterns at 2360 MHz



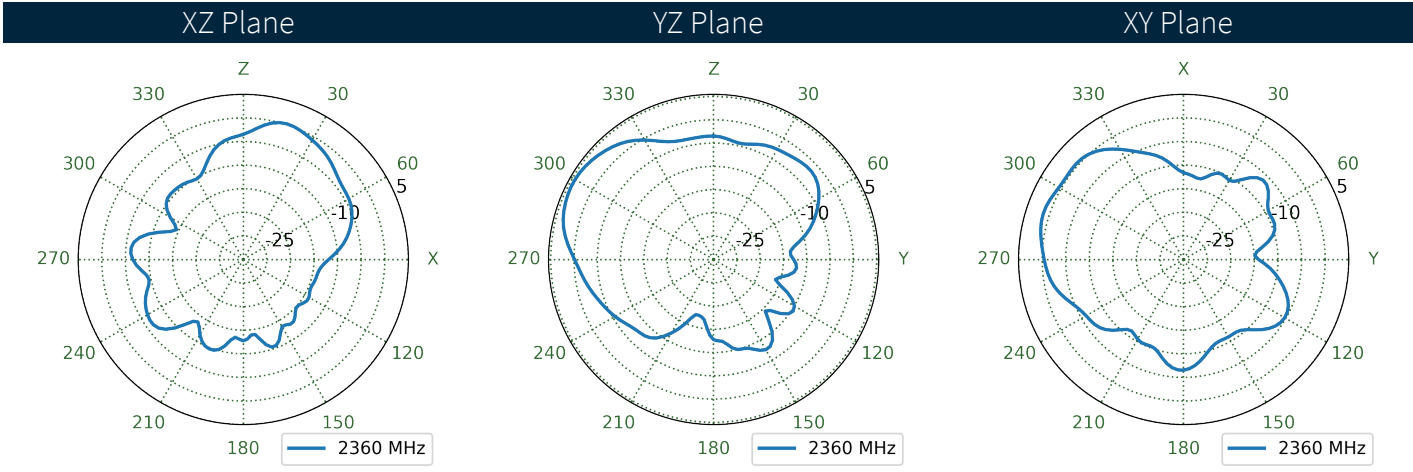
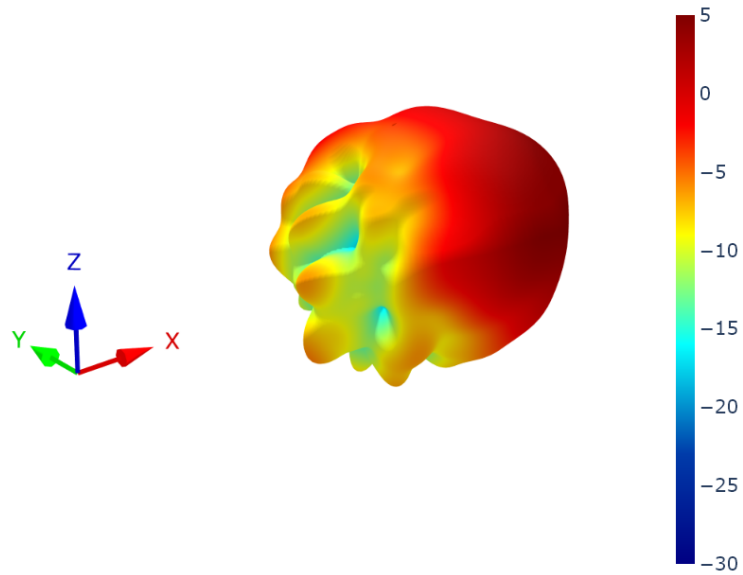
7.61 LTE2 Patterns at 2360 MHz



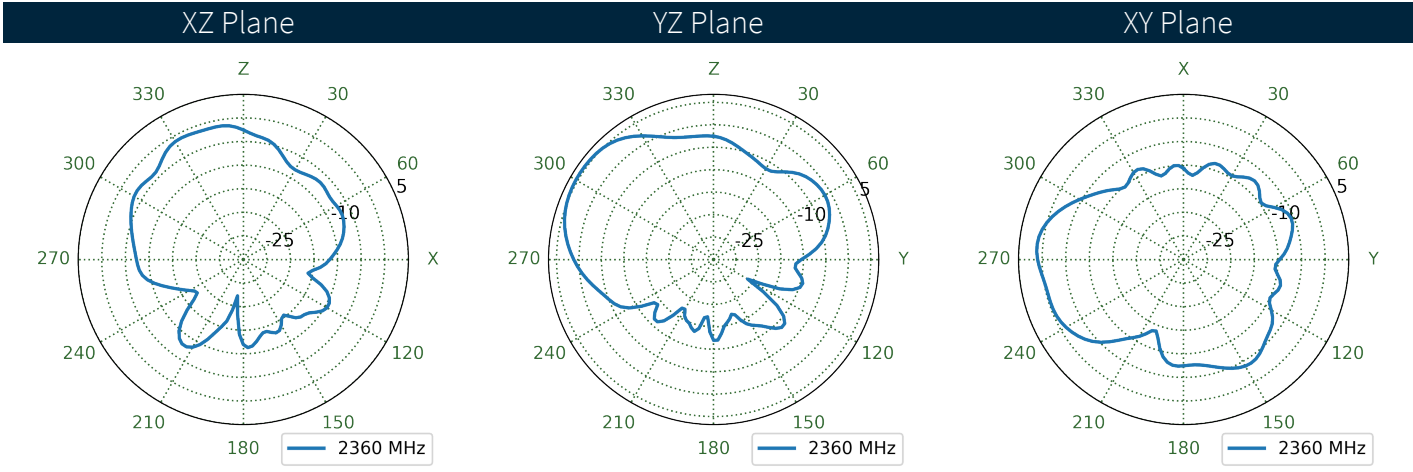
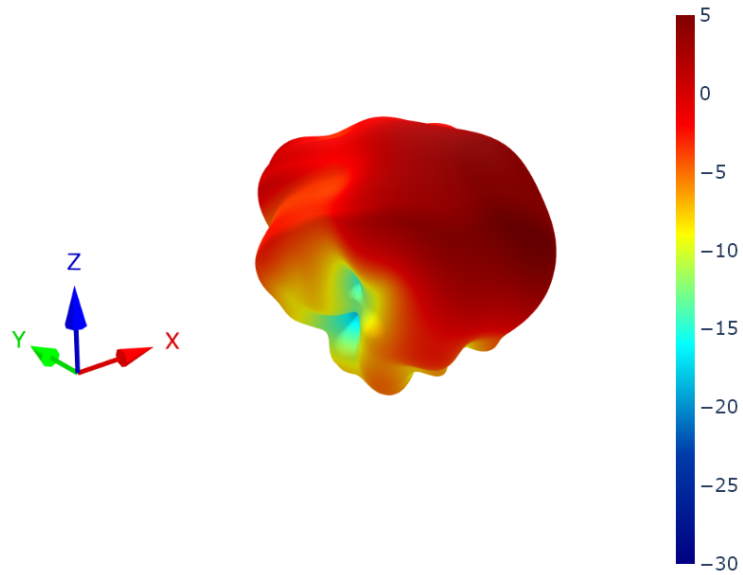
7.62 LTE3 Patterns at 2360 MHz



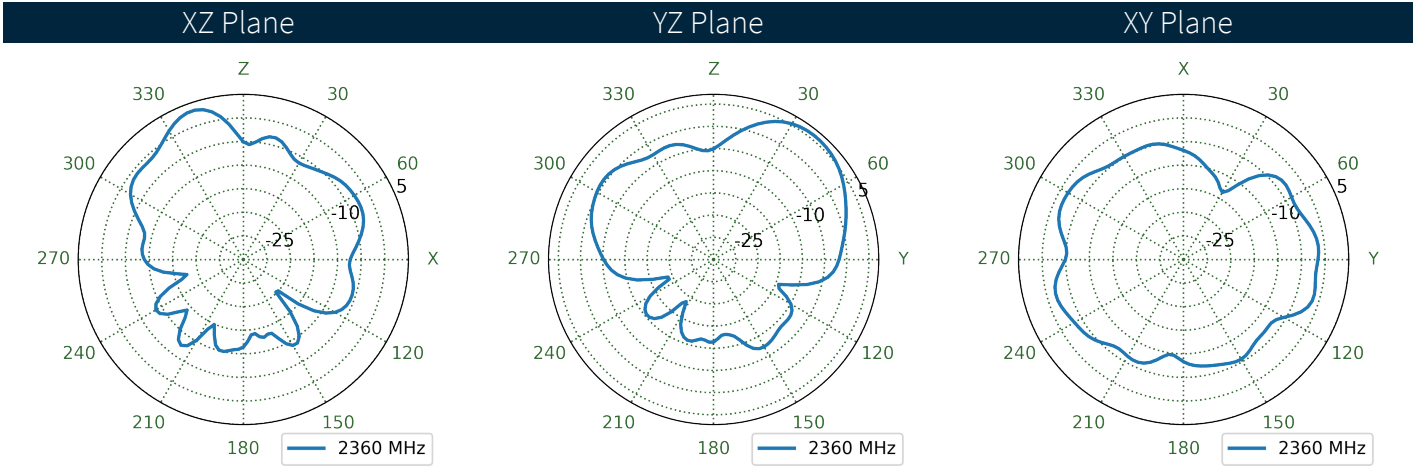
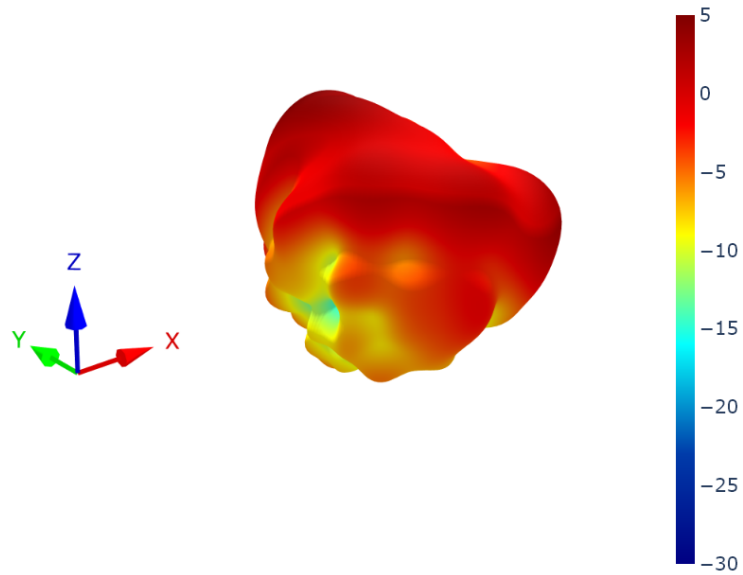
7.63 LTE4 Patterns at 2360 MHz



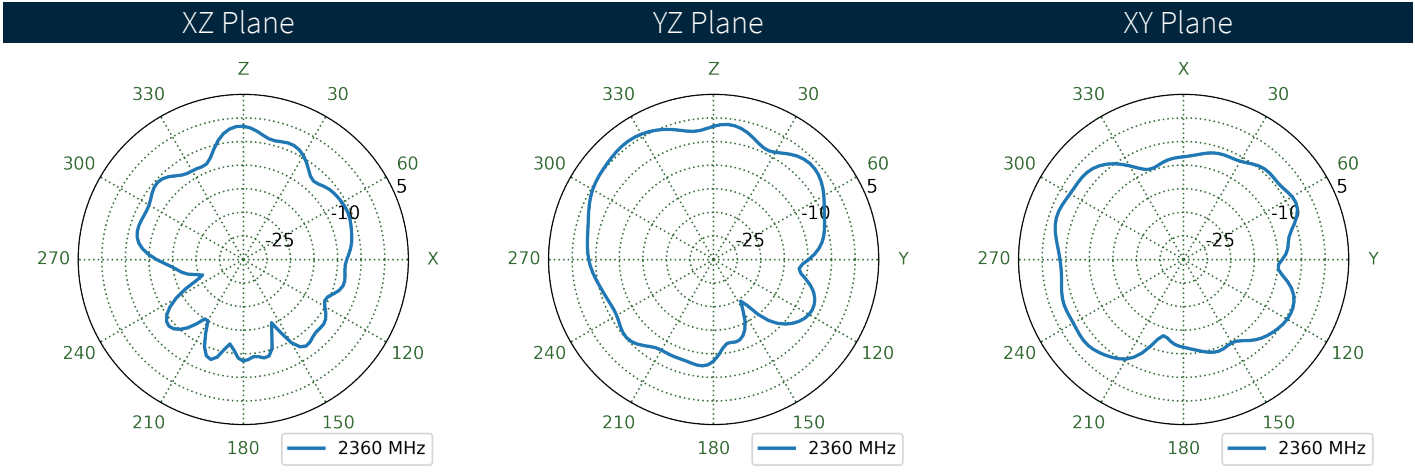
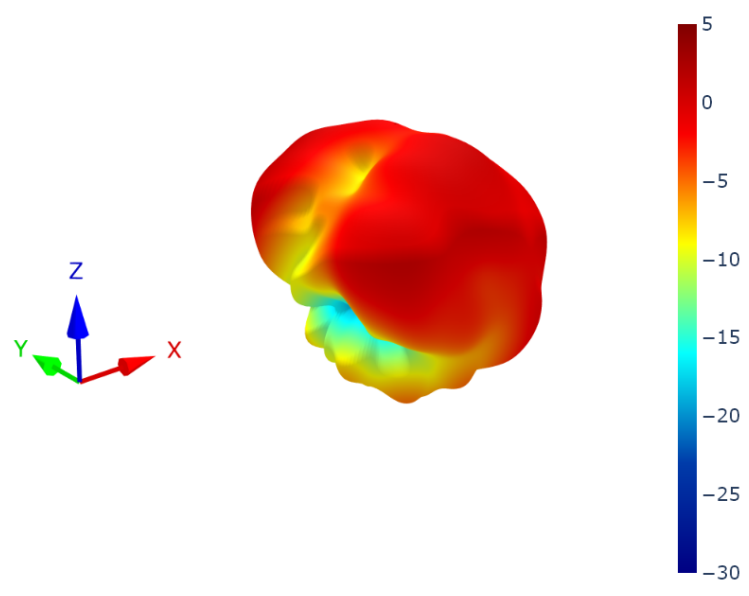
7.64 LTE5 Patterns at 2360 MHz



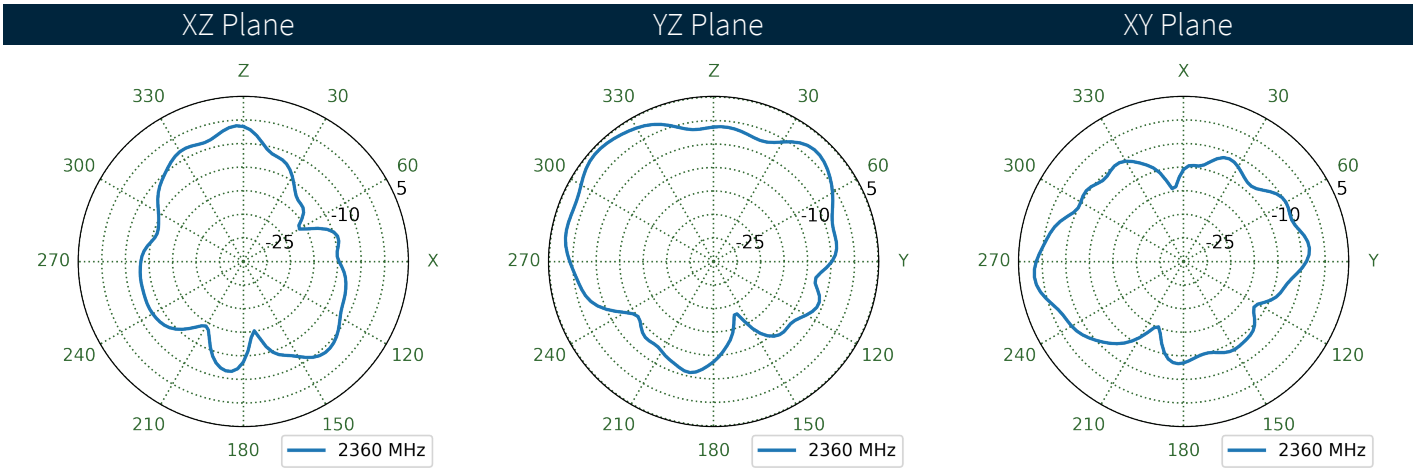
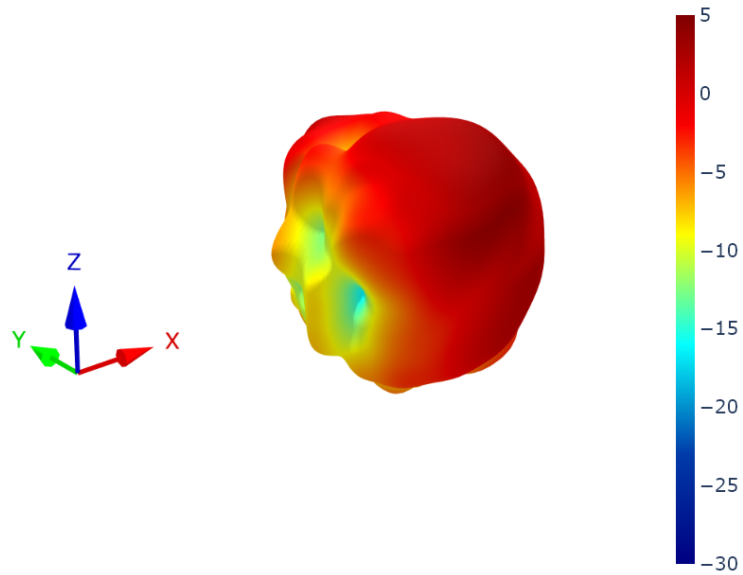
7.65 LTE6 Patterns at 2360 MHz



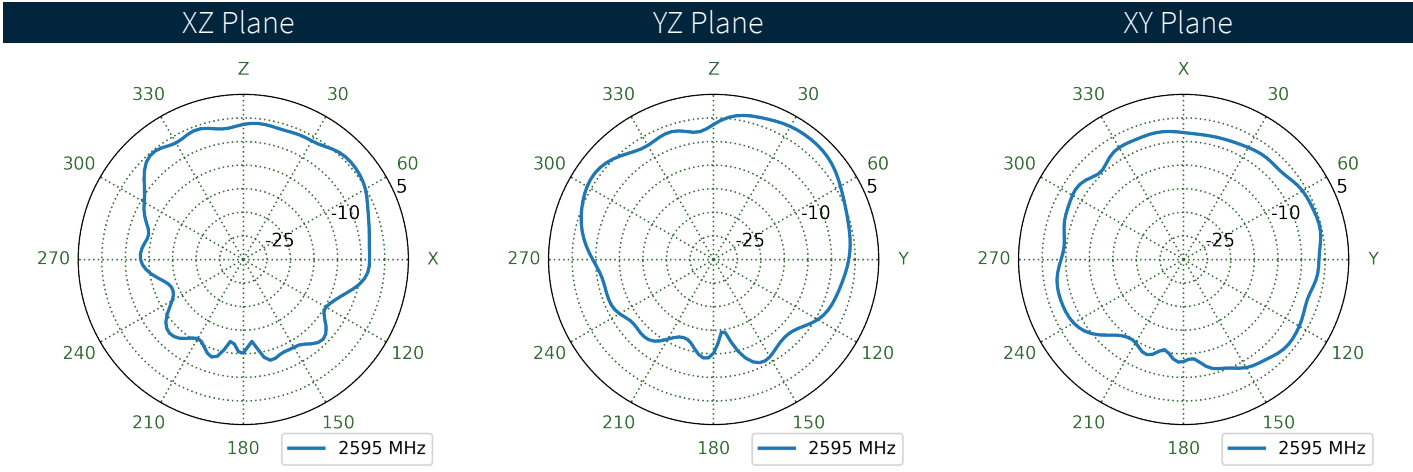
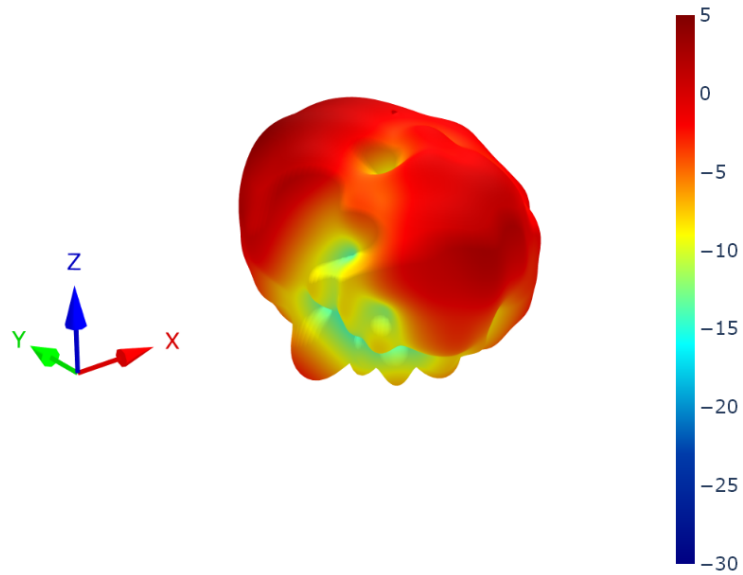
7.66 LTE7 Patterns at 2360 MHz



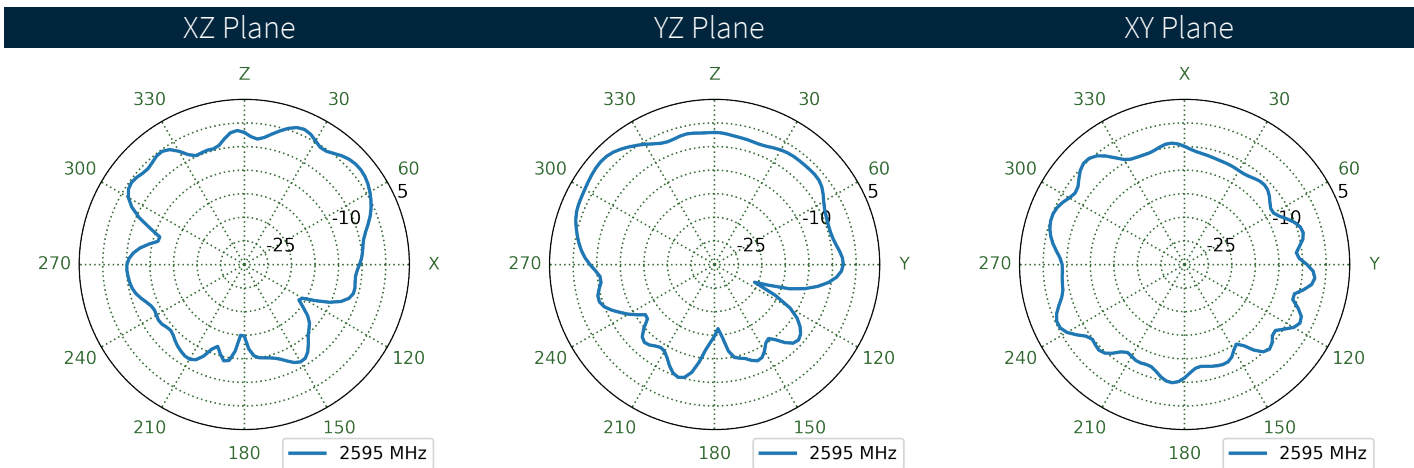
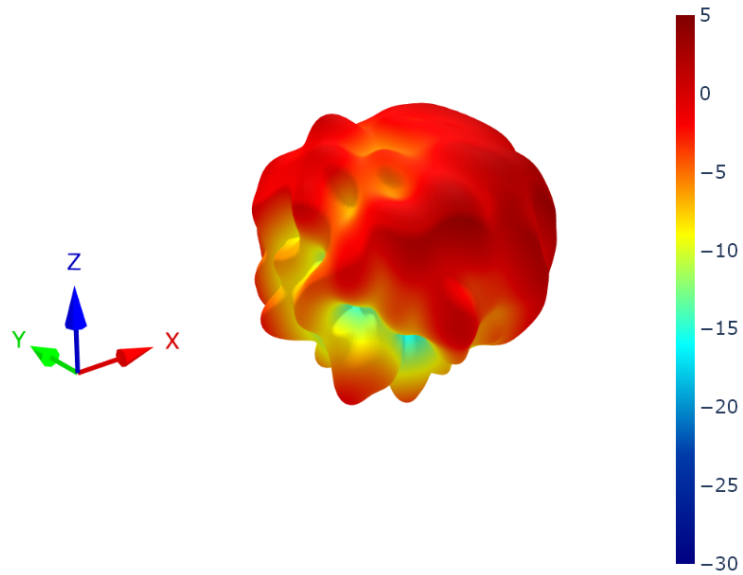
7.67 LTE8 Patterns at 2360 MHz



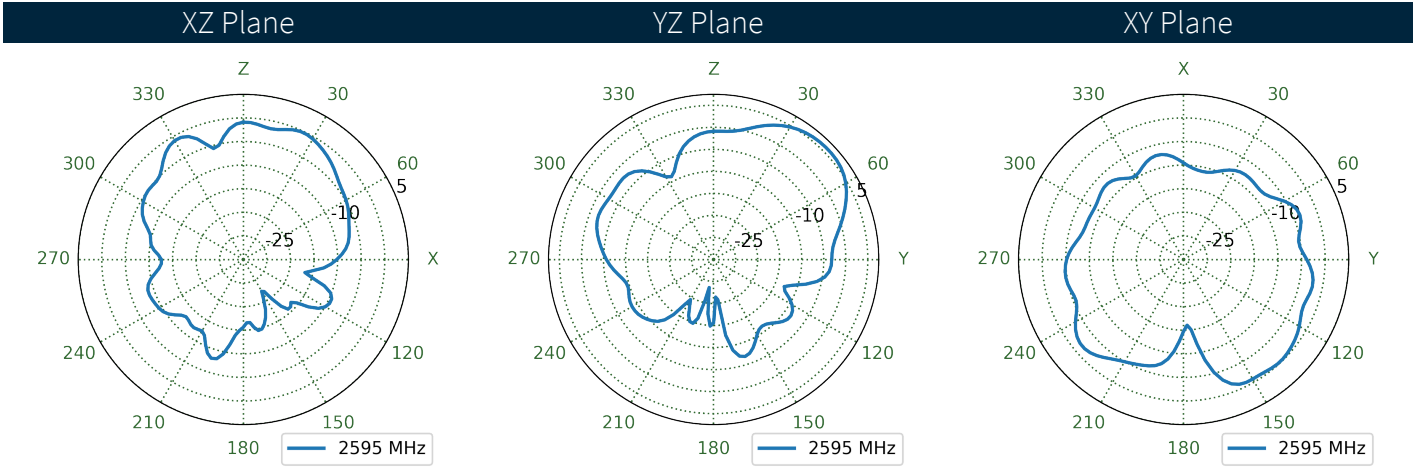
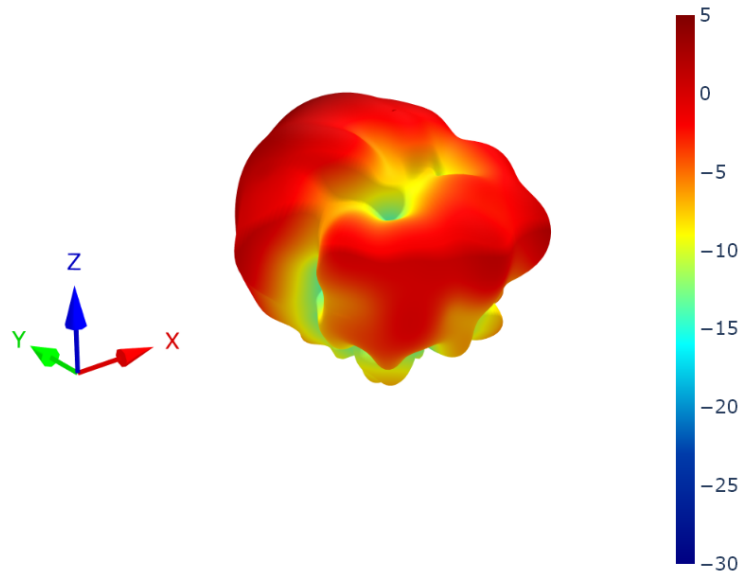
7.68 LTE1 Patterns at 2595 MHz



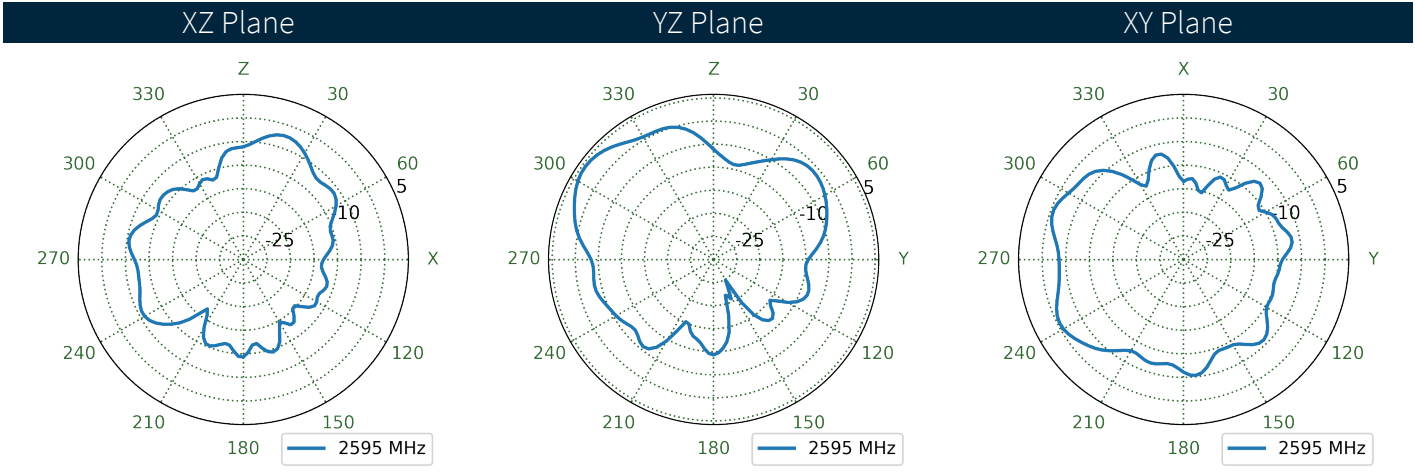
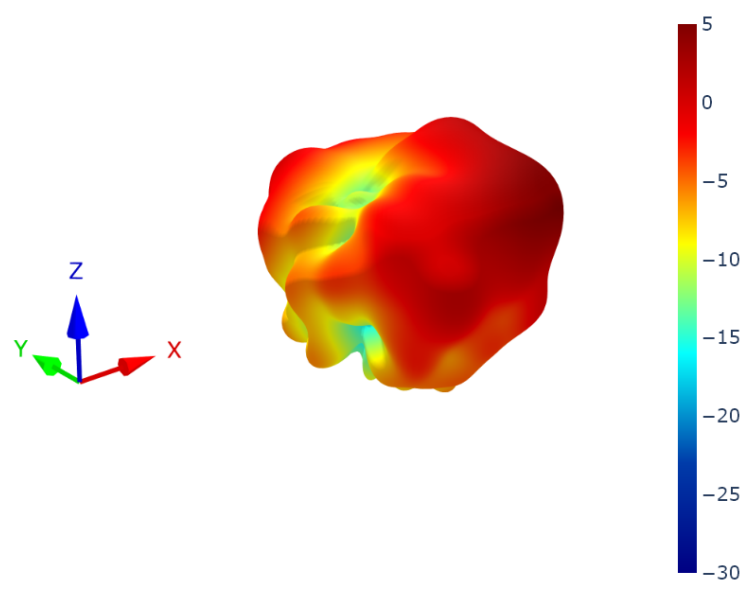
7.69 LTE2 Patterns at 2595 MHz



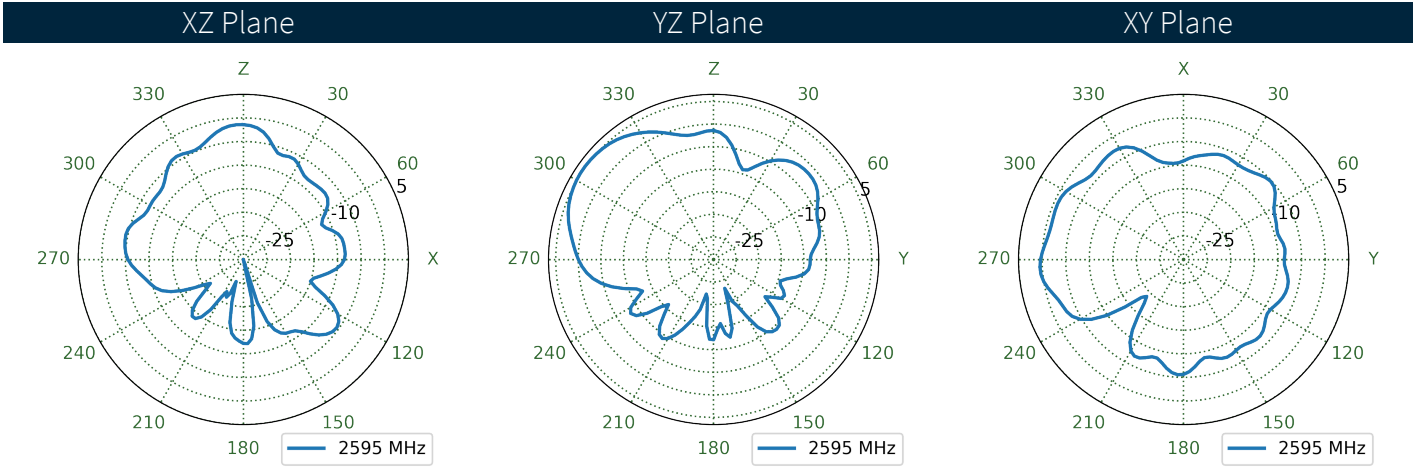
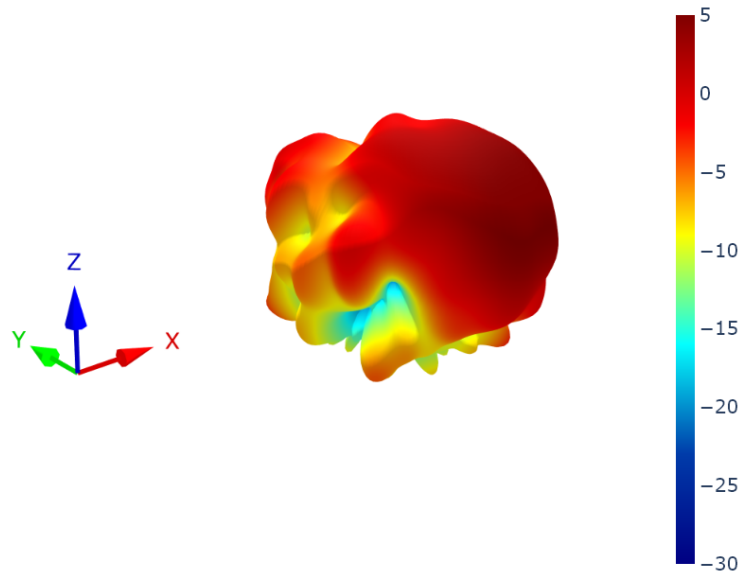
7.70 LTE3 Patterns at 2595 MHz



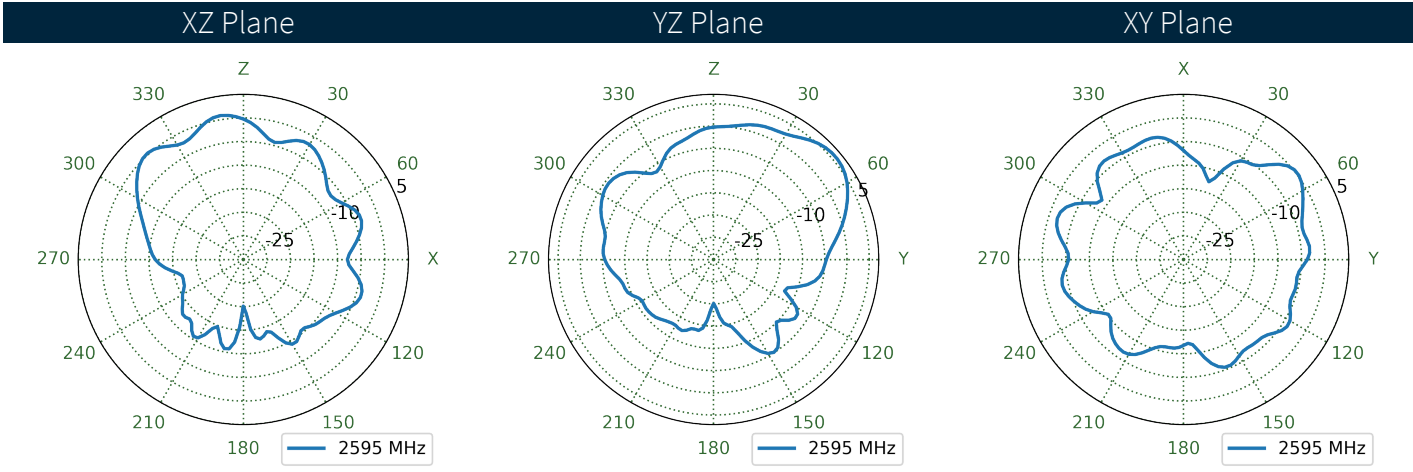
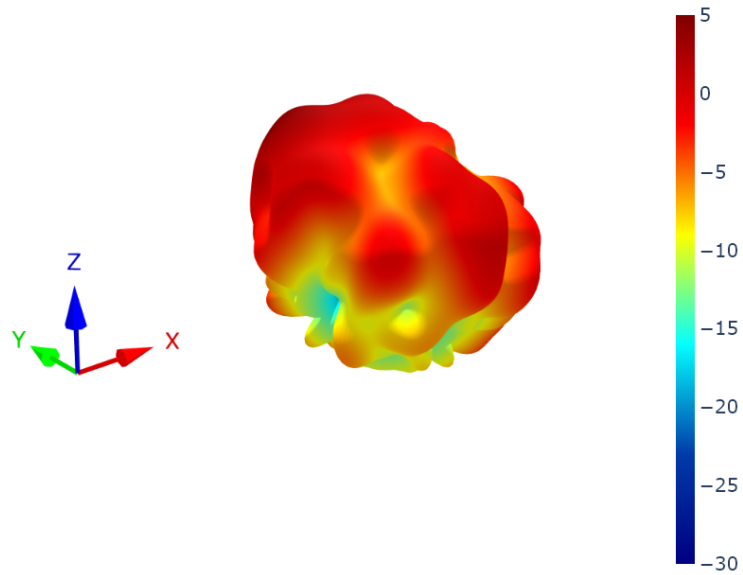
7.71 LTE4 Patterns at 2595 MHz



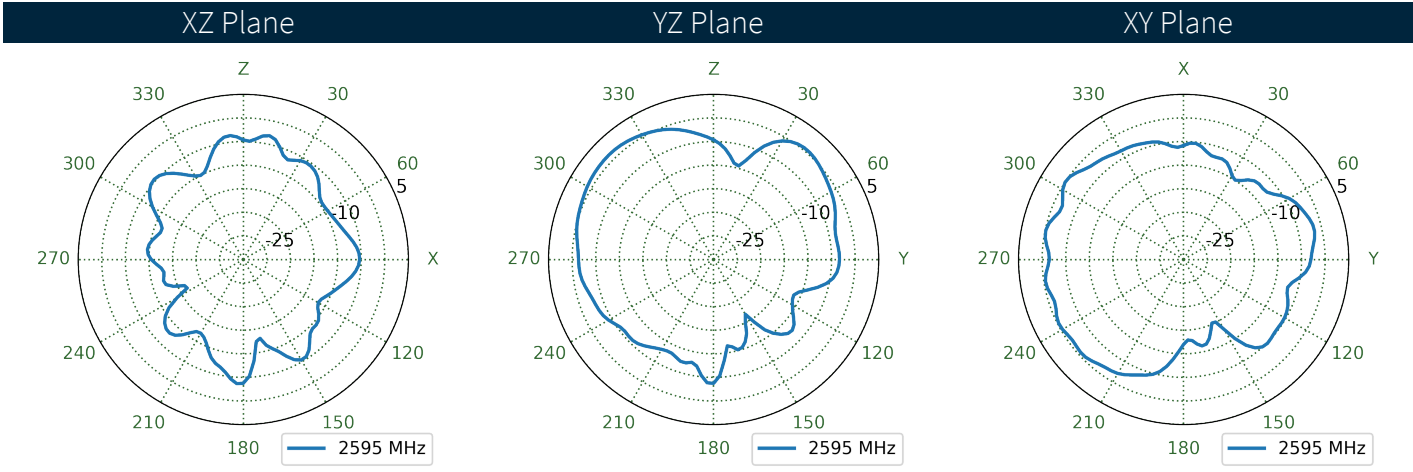
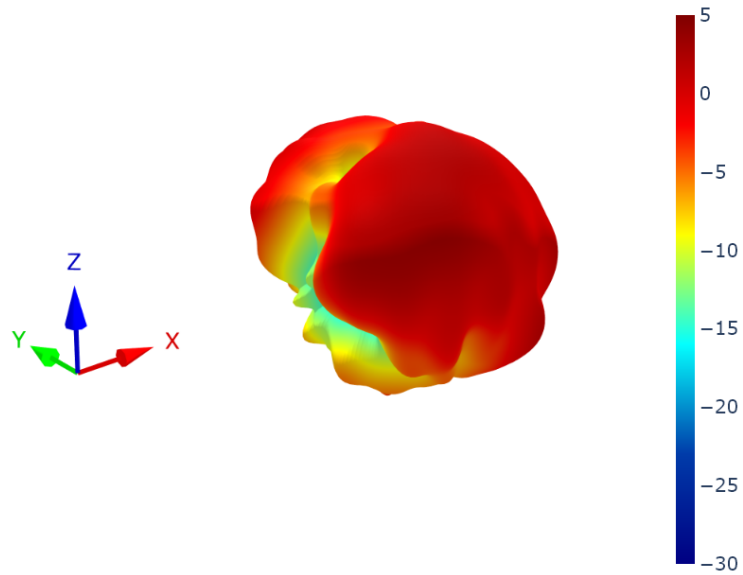
7.72 LTE5 Patterns at 2595 MHz



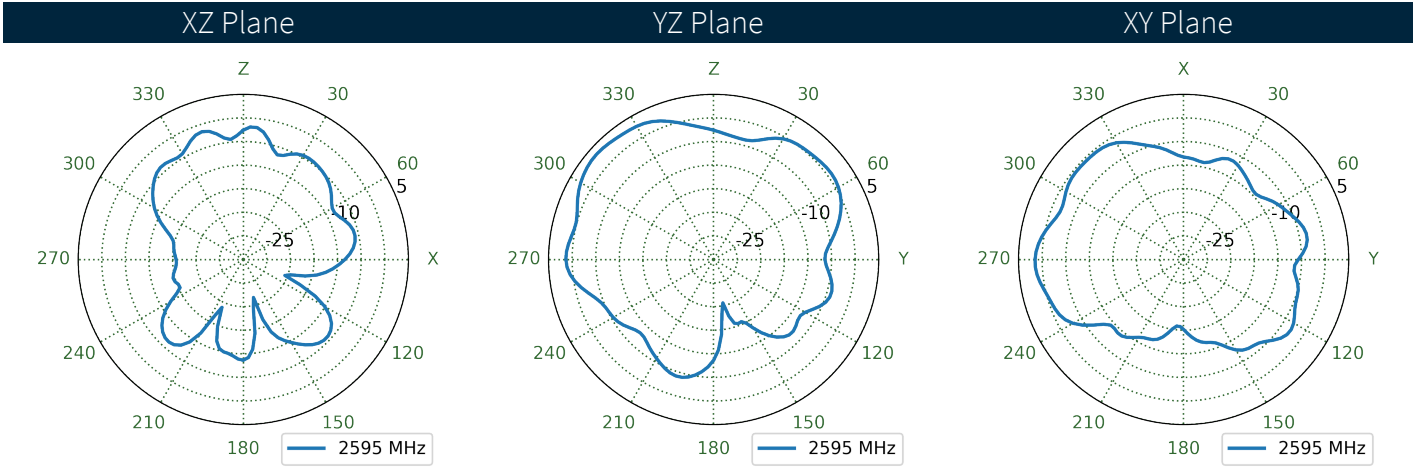
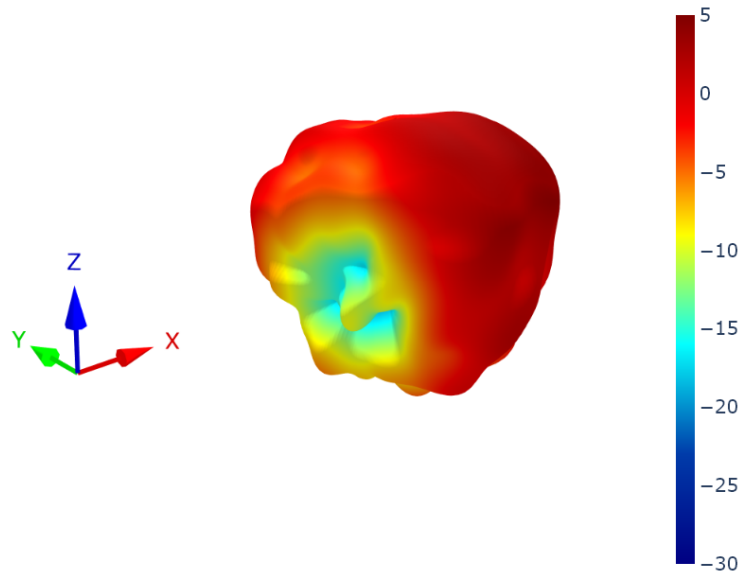
7.73 LTE6 Patterns at 2595 MHz



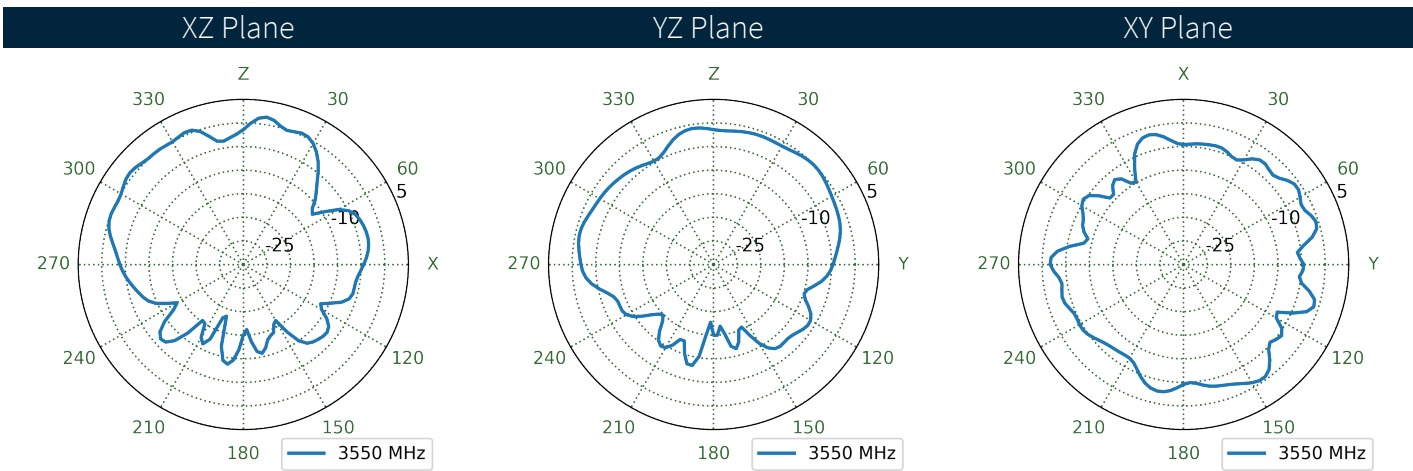
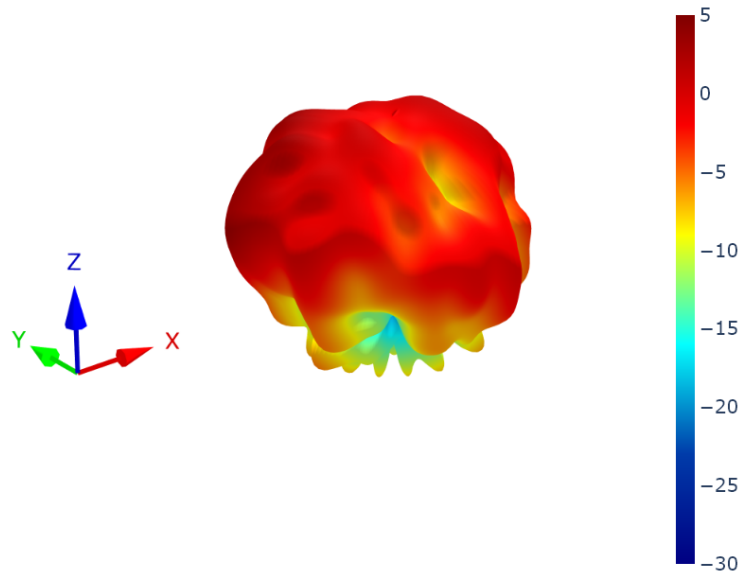
7.74 LTE7 Patterns at 2595 MHz



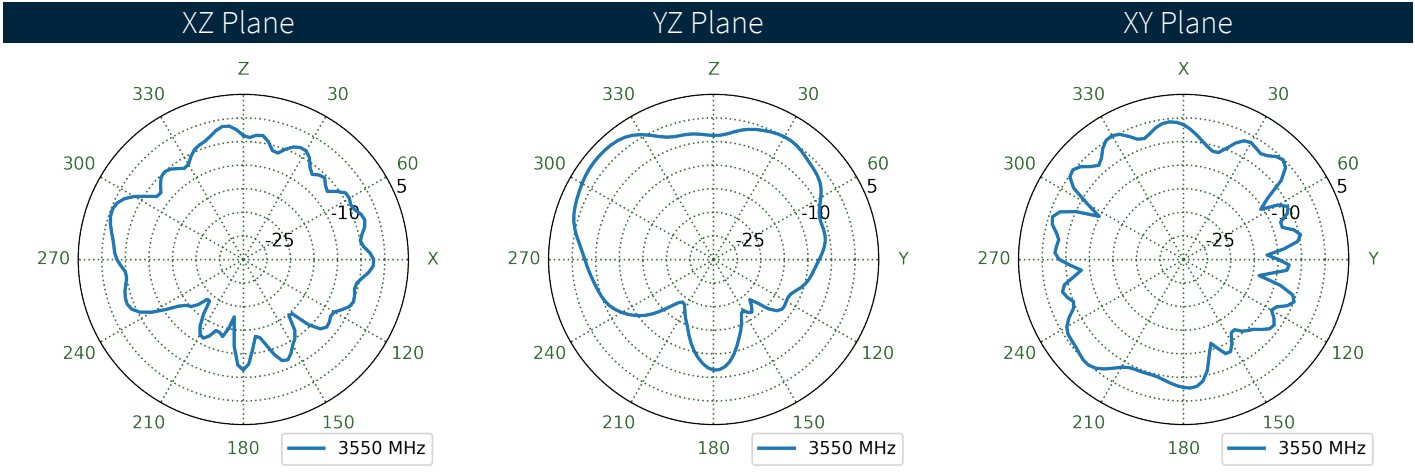
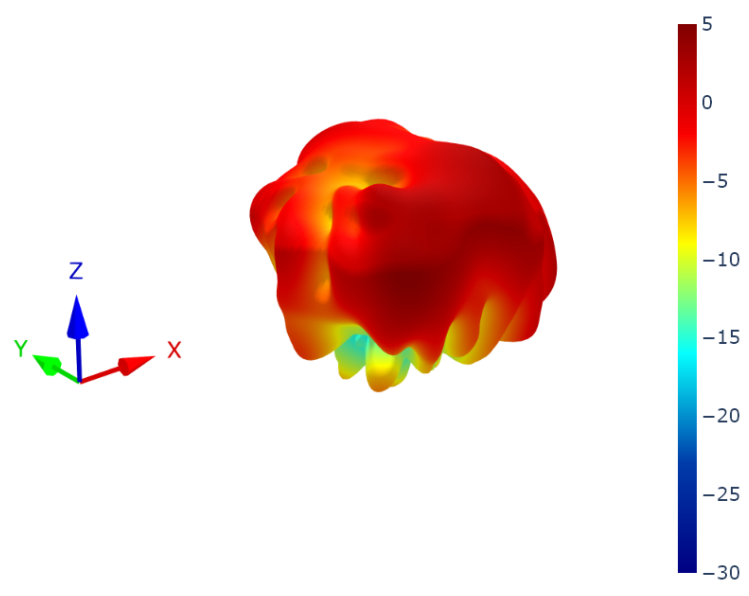
7.75 LTE8 Patterns at 2595 MHz



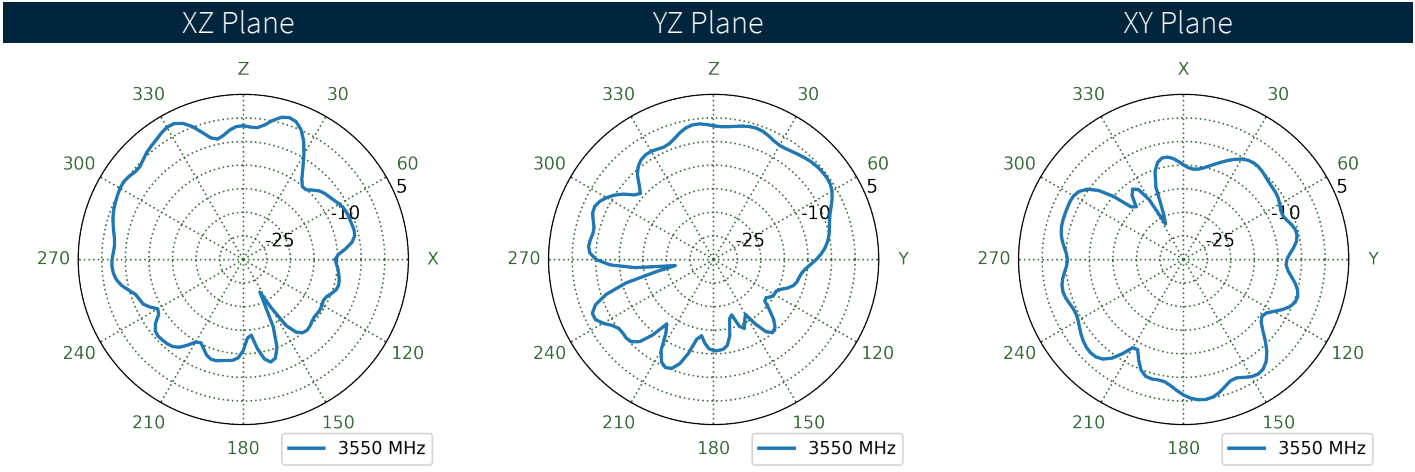
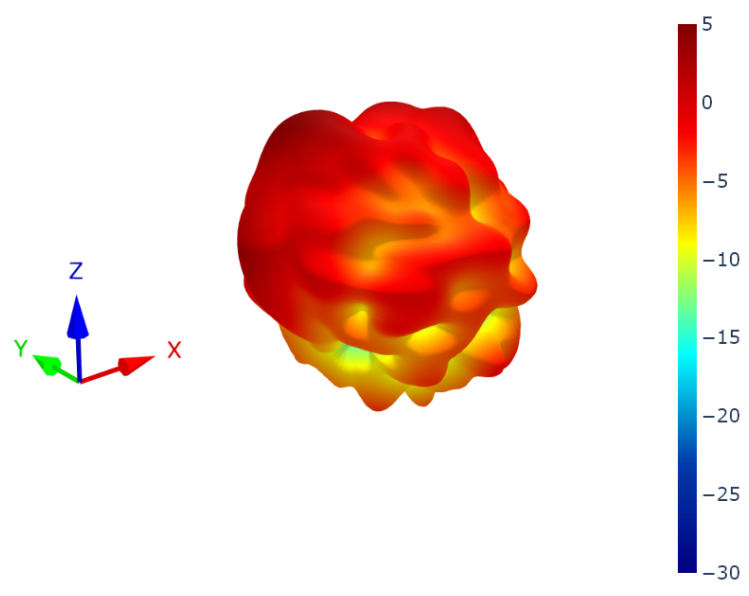
7.76 LTE1 Patterns at 3550 MHz



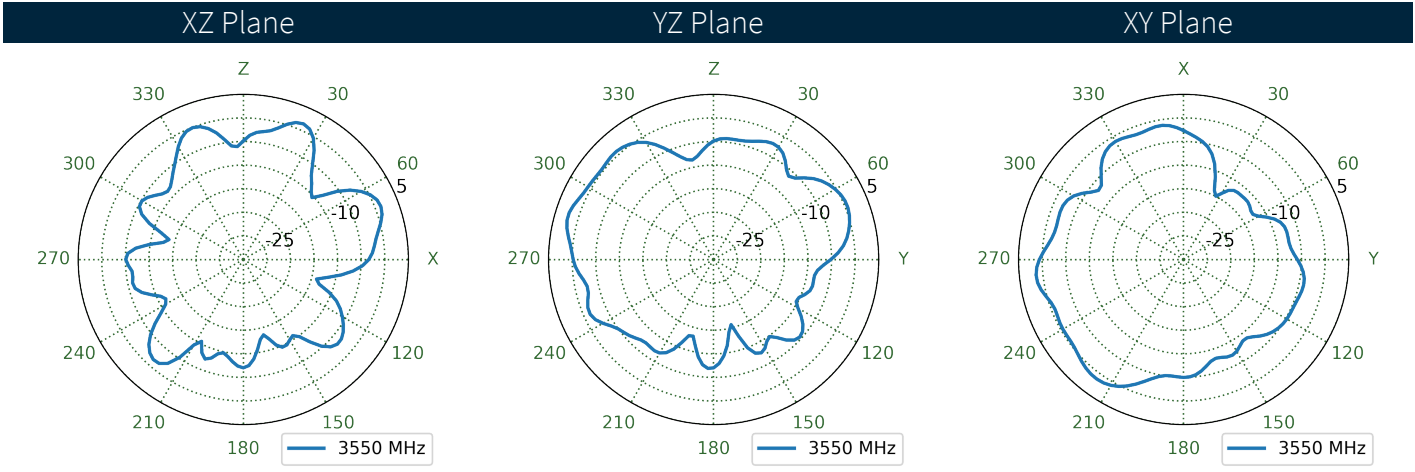
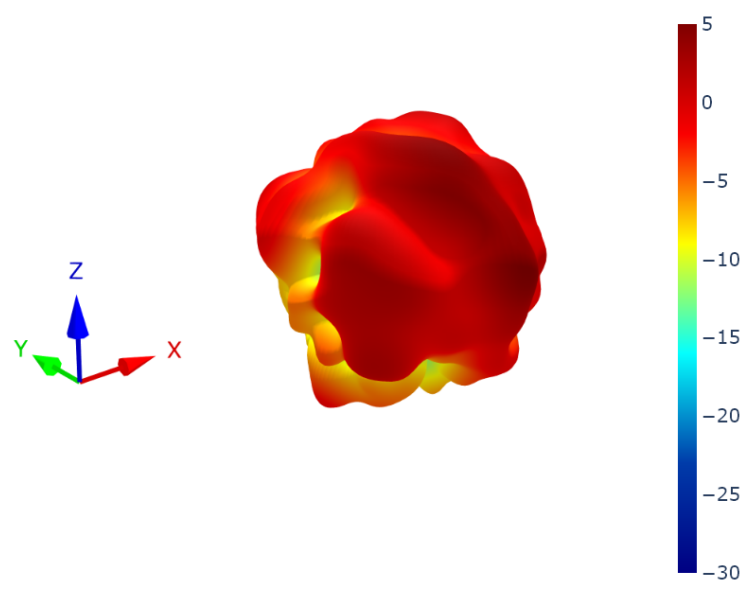
7.77 LTE2 Patterns at 3550 MHz



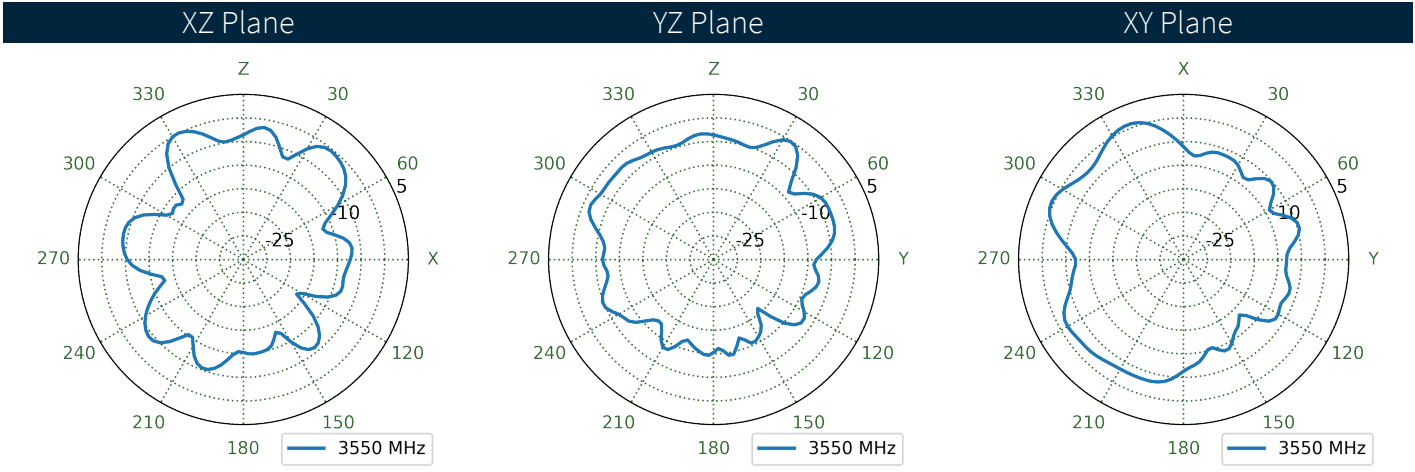
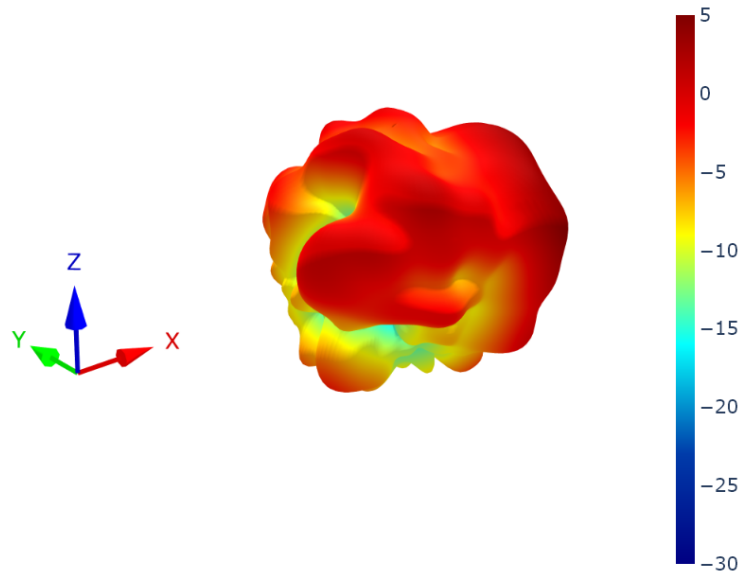
7.78 LTE3 Patterns at 3550 MHz



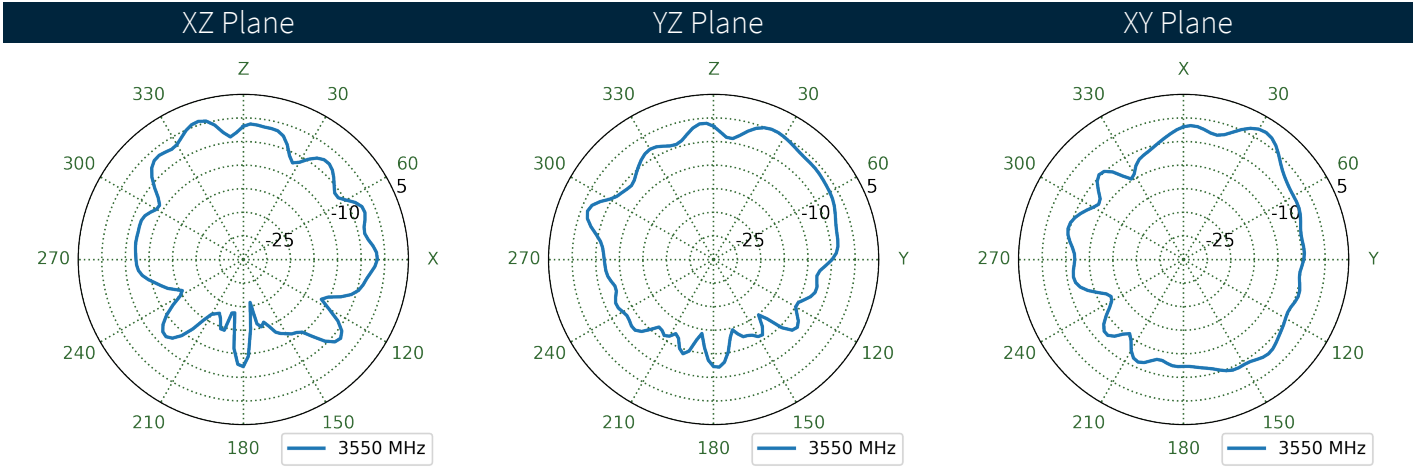
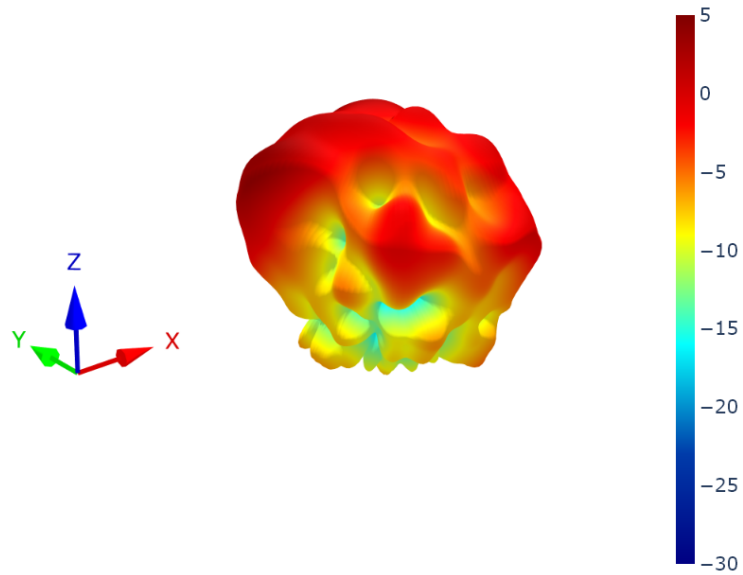
7.79 LTE4 Patterns at 3550 MHz



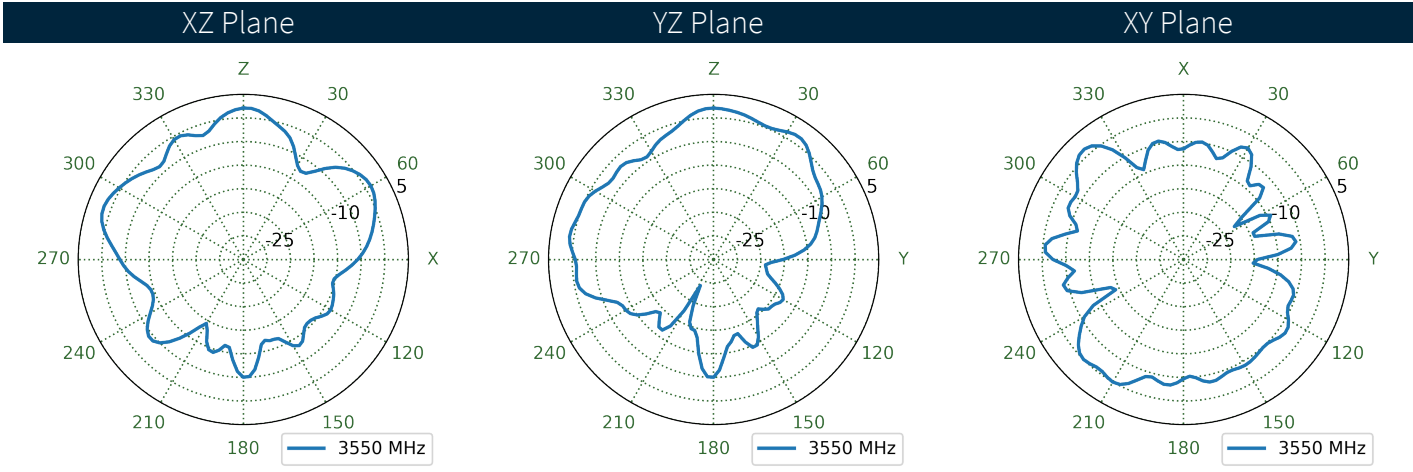
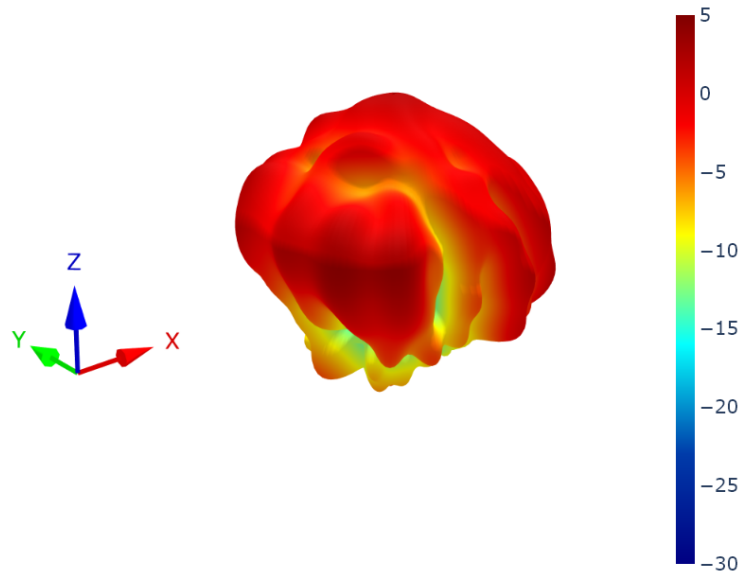
7.80 LTE5 Patterns at 3550 MHz



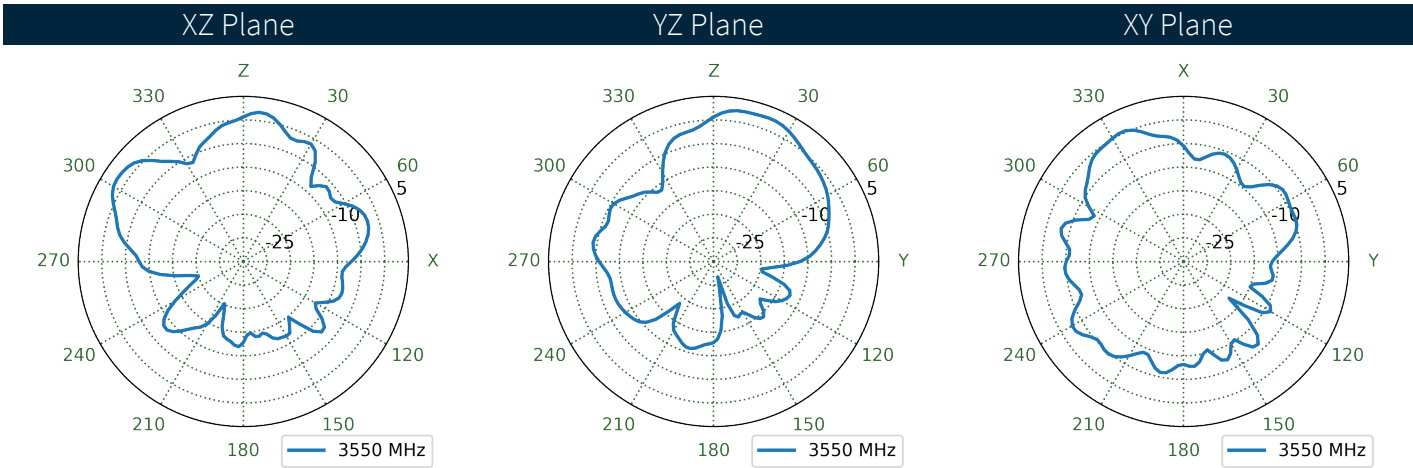
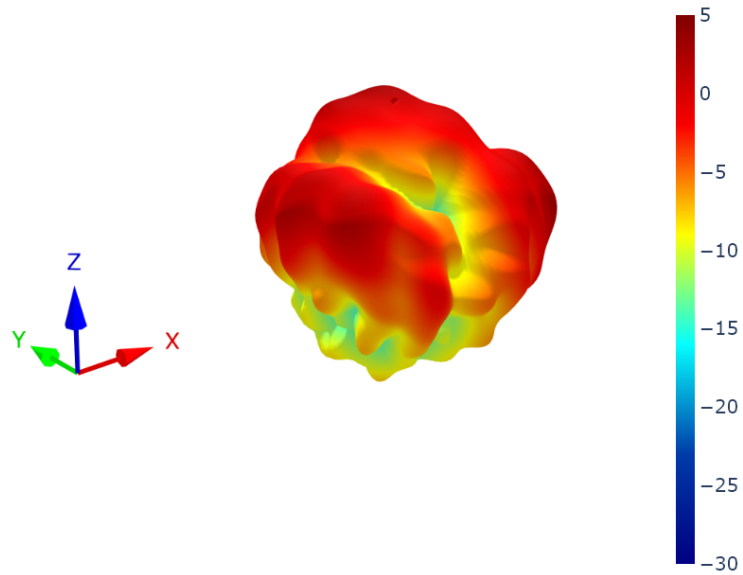
7.81 LTE6 Patterns at 3550 MHz



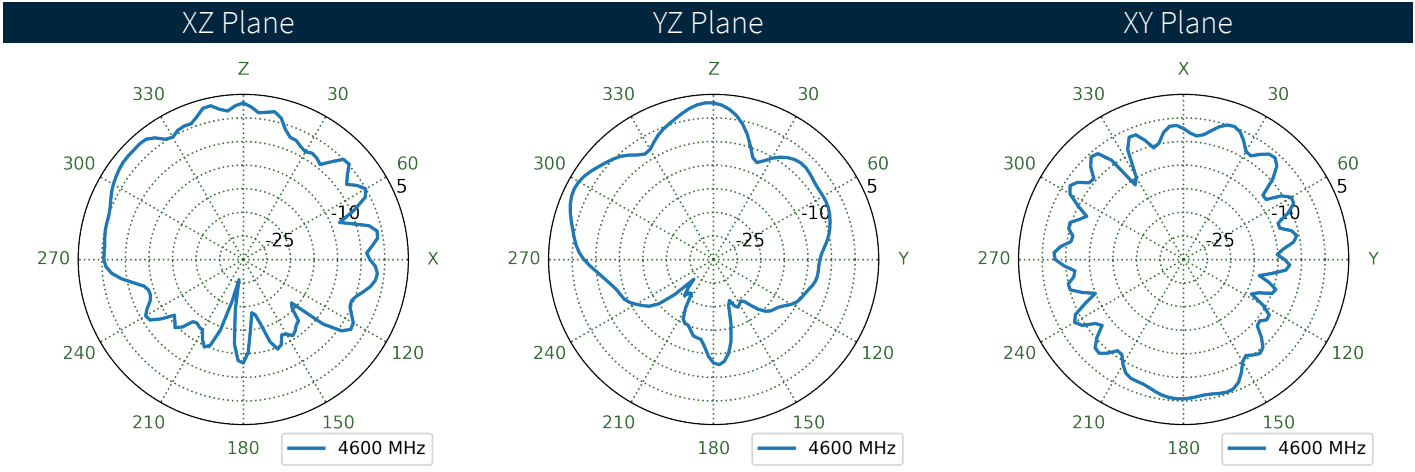
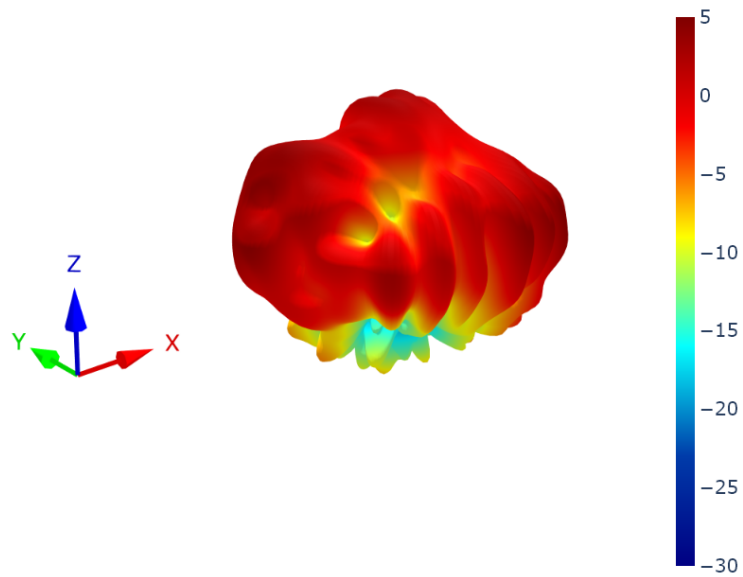
7.82 LTE7 Patterns at 3550 MHz



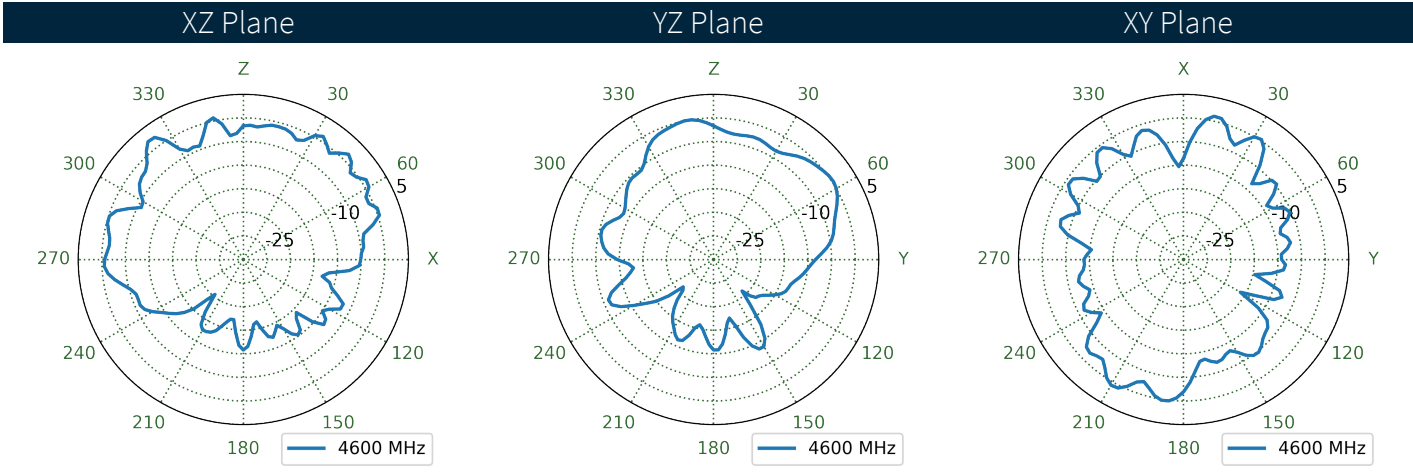
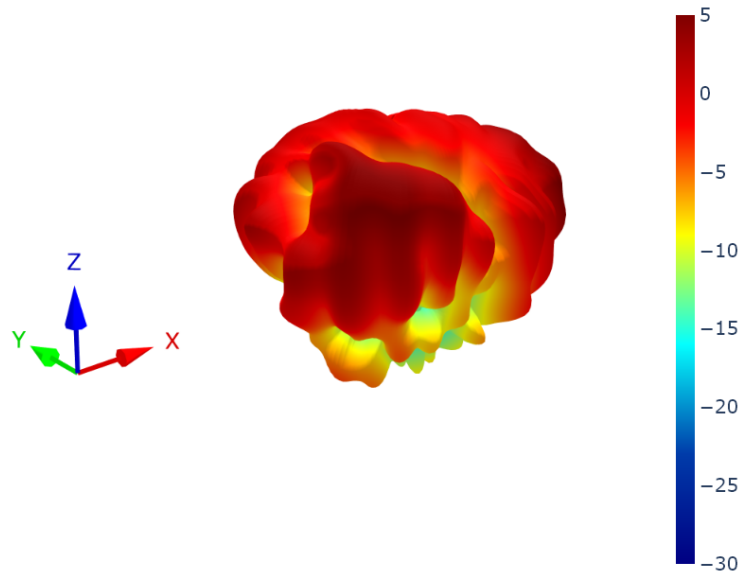
7.83 LTE8 Patterns at 3550 MHz



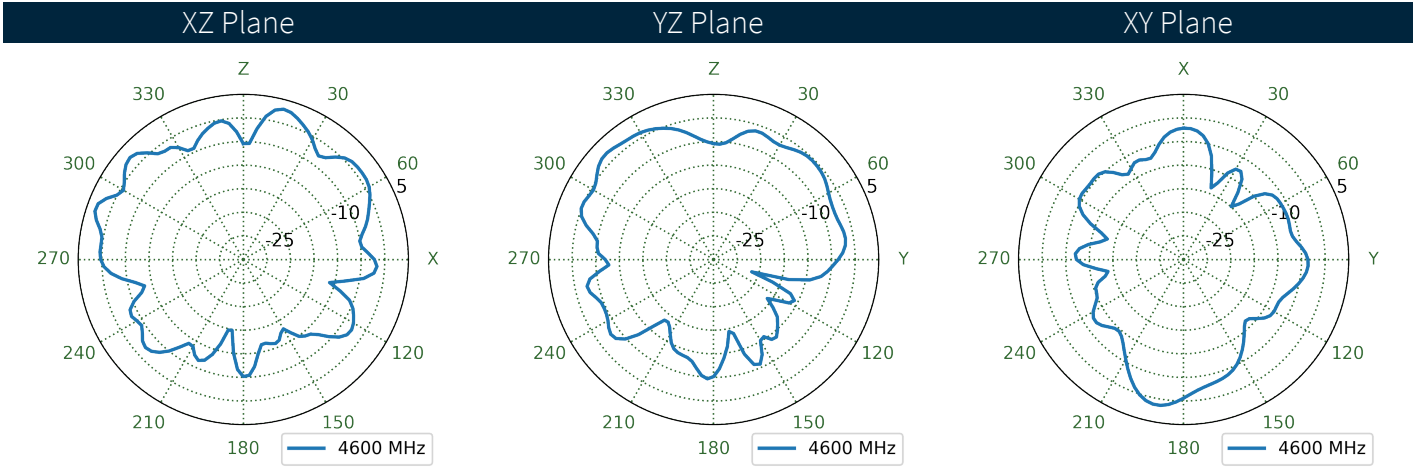
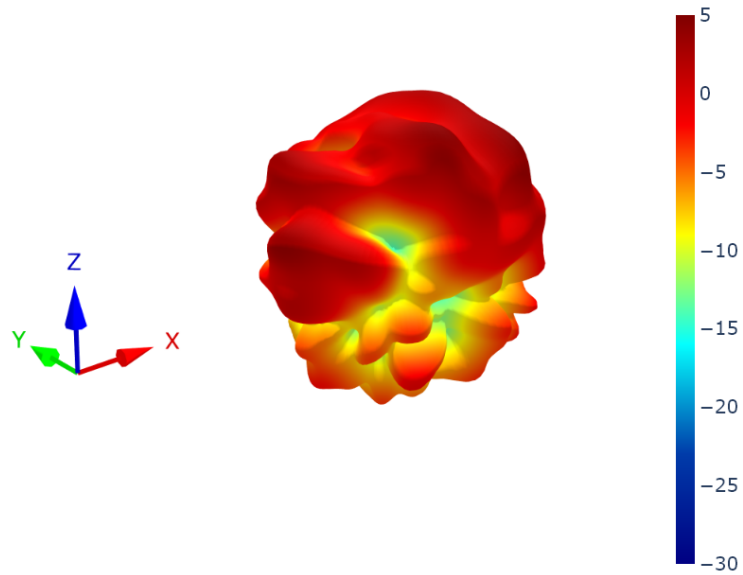
7.84 LTE1 Patterns at 4600 MHz



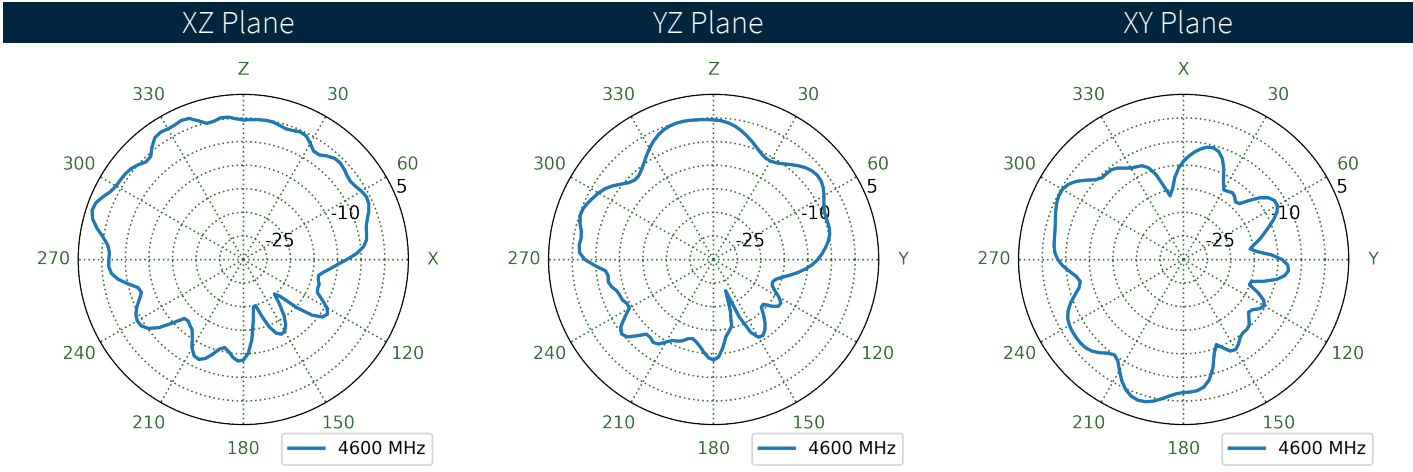
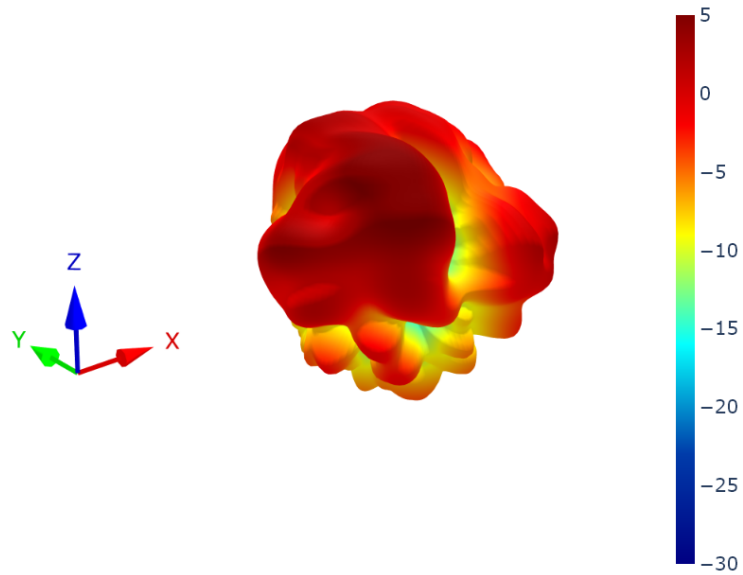
7.85 LTE2 Patterns at 4600 MHz



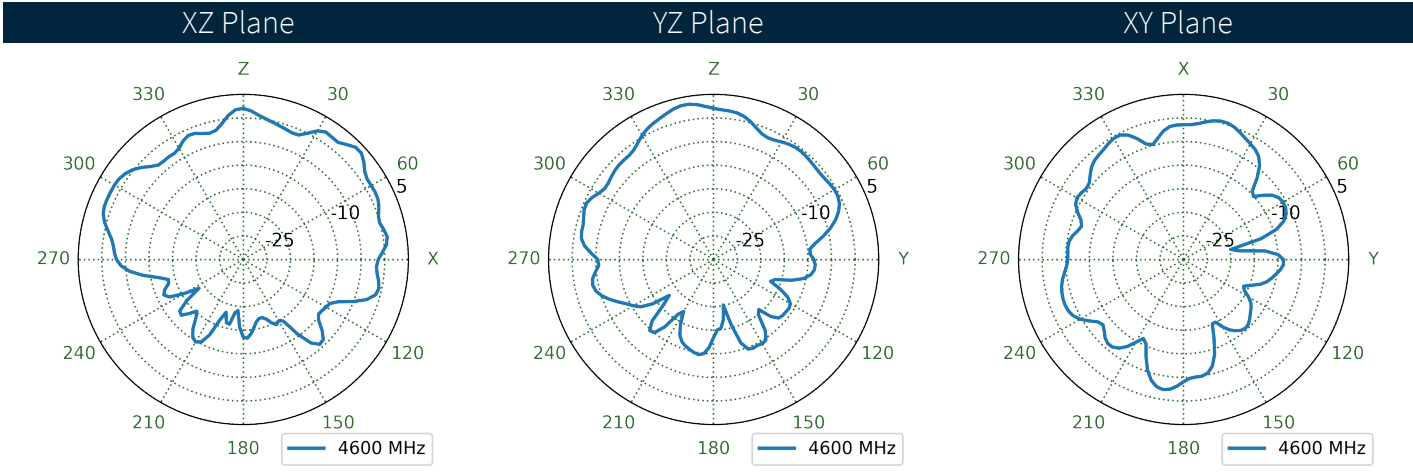
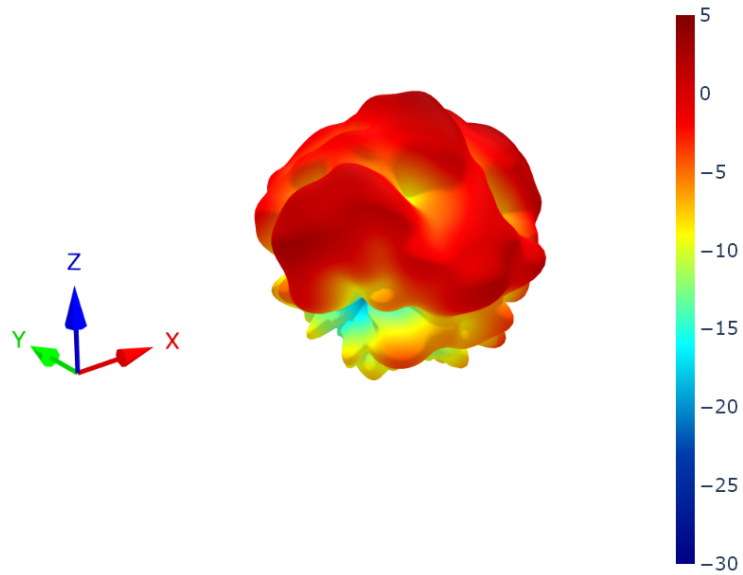
7.86 LTE3 Patterns at 4600 MHz



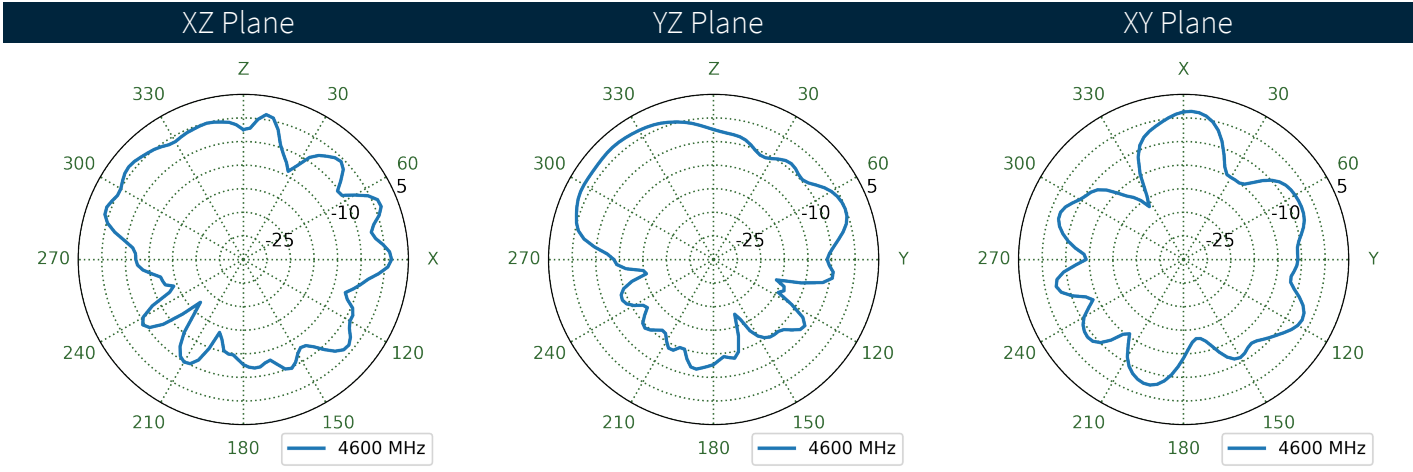
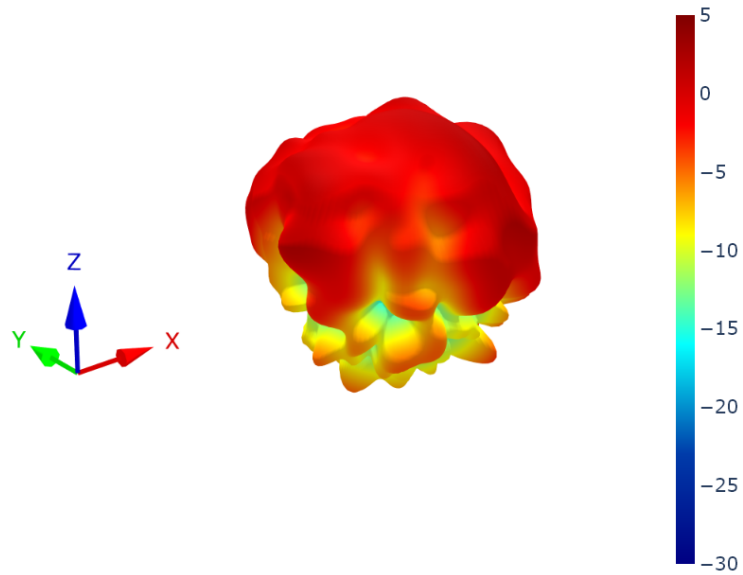
7.87 LTE4 Patterns at 4600 MHz



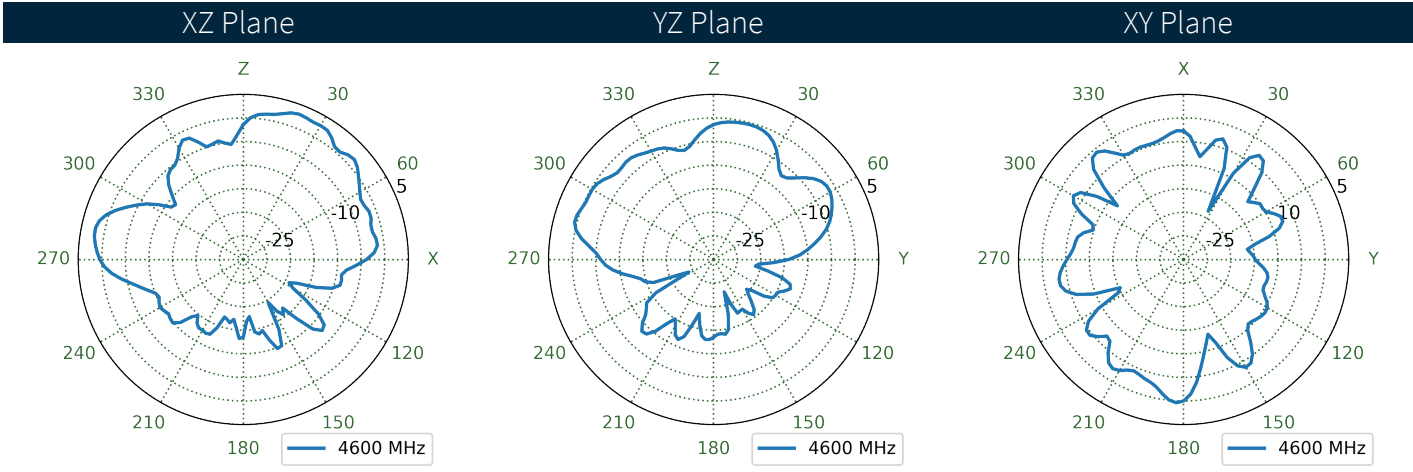
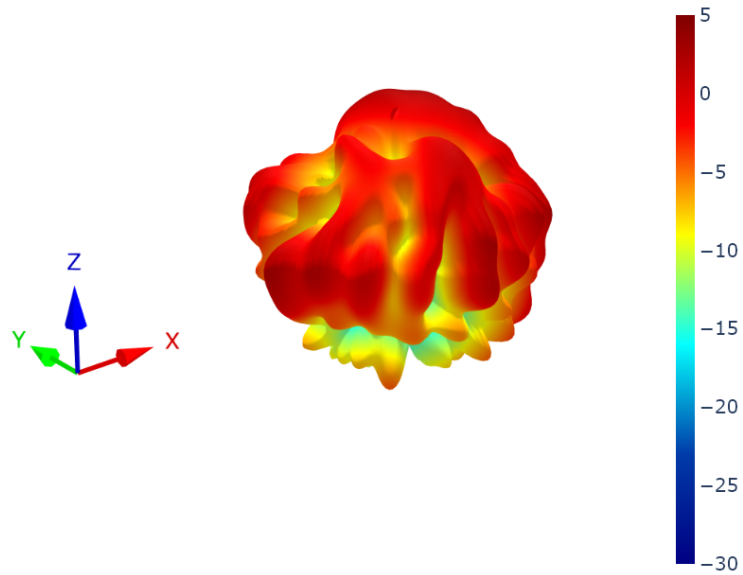
7.88 LTE5 Patterns at 4600 MHz



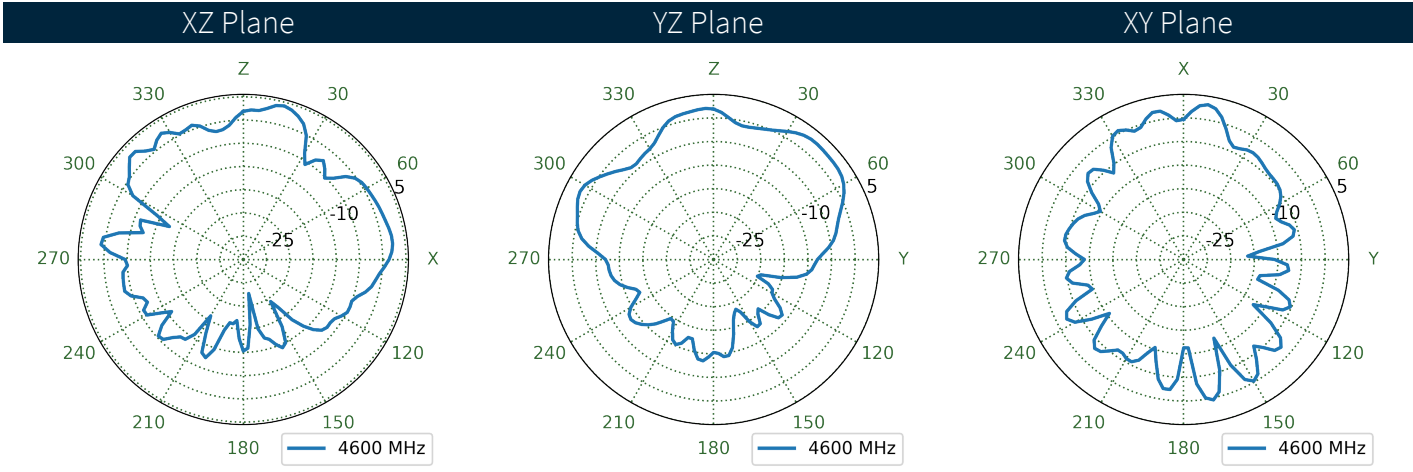
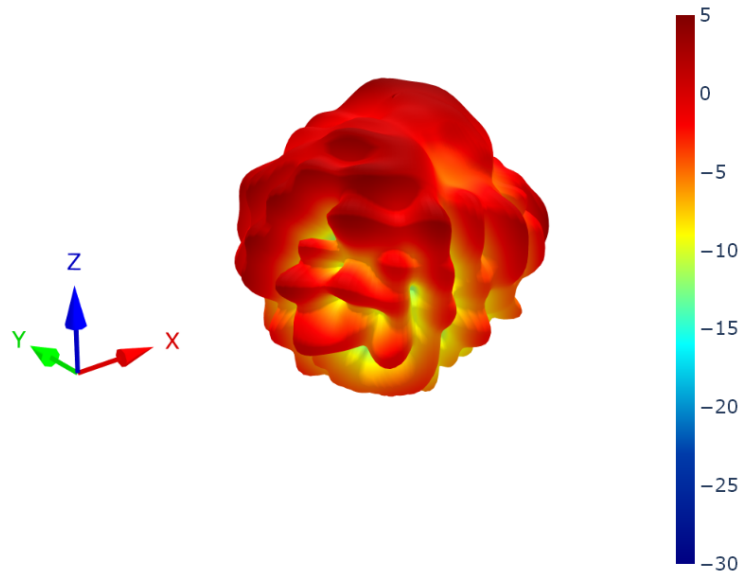
7.89 LTE6 Patterns at 4600 MHz



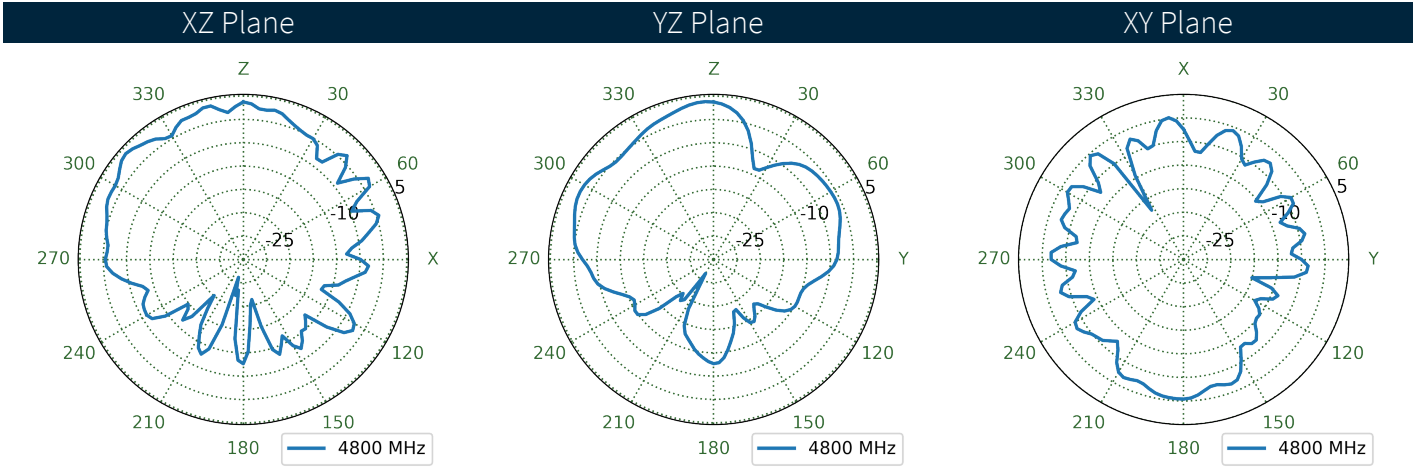
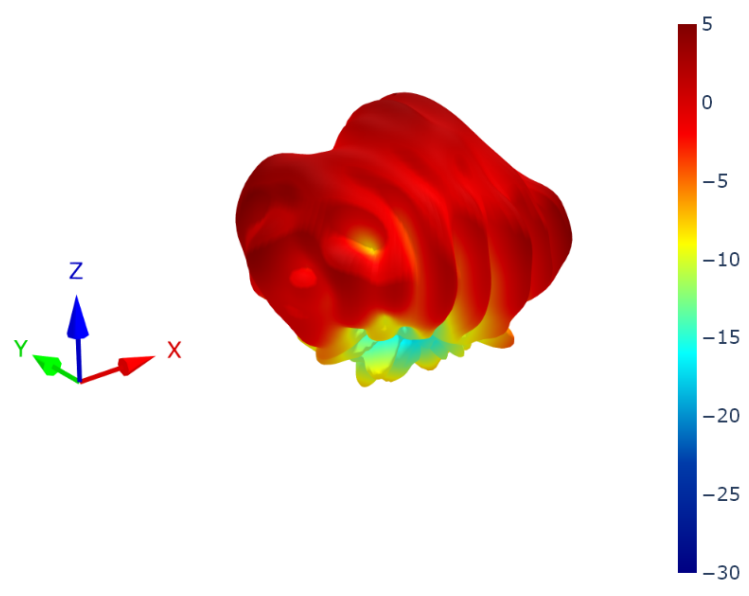
7.90 LTE7 Patterns at 4600 MHz



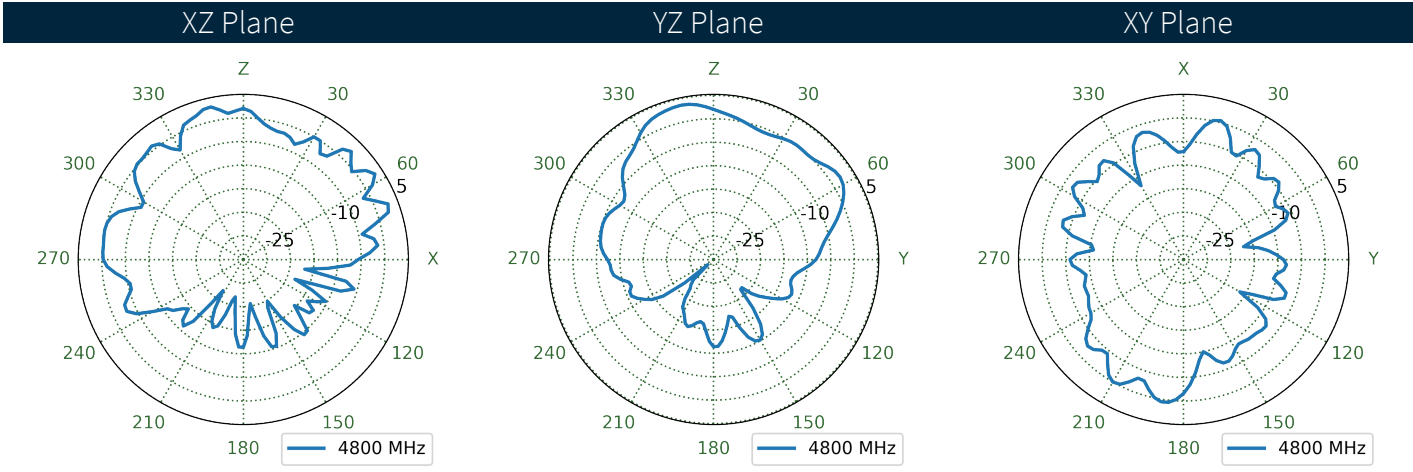
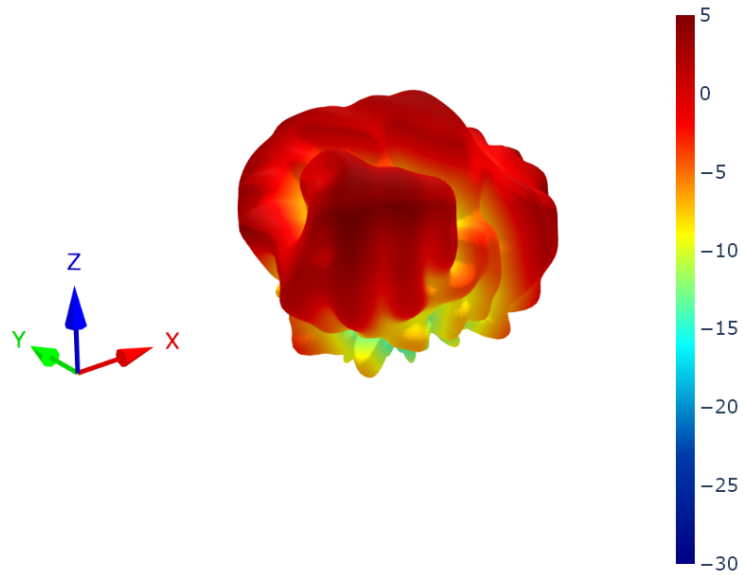
7.91 LTE8 Patterns at 4600 MHz



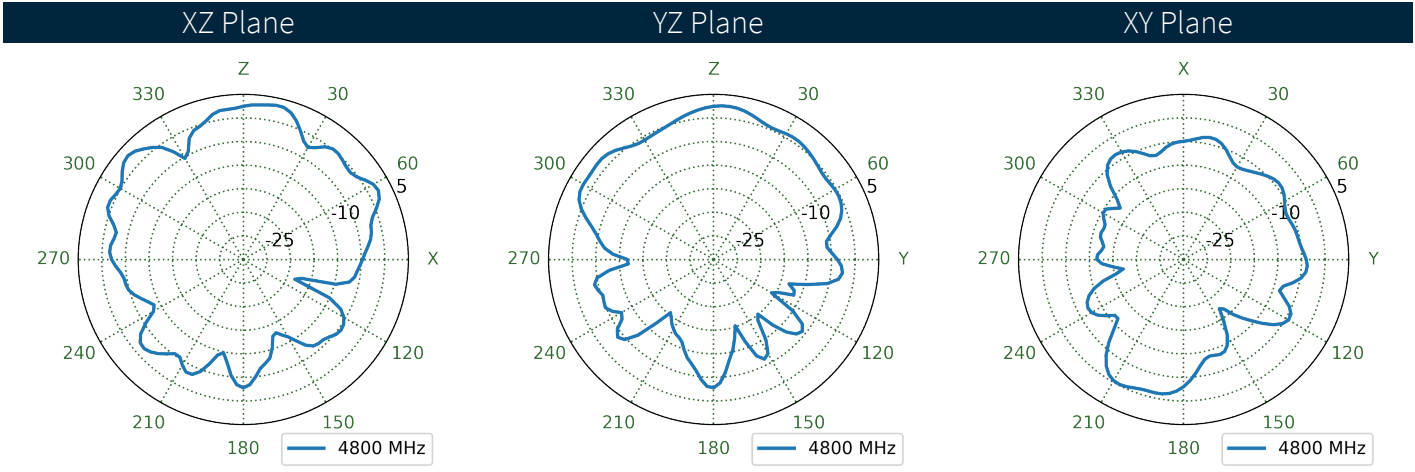
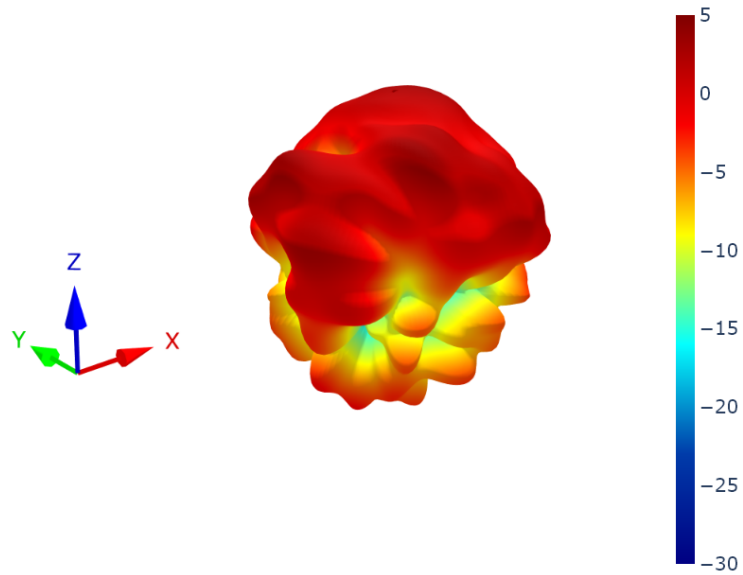
7.92 LTE1 Patterns at 4800 MHz



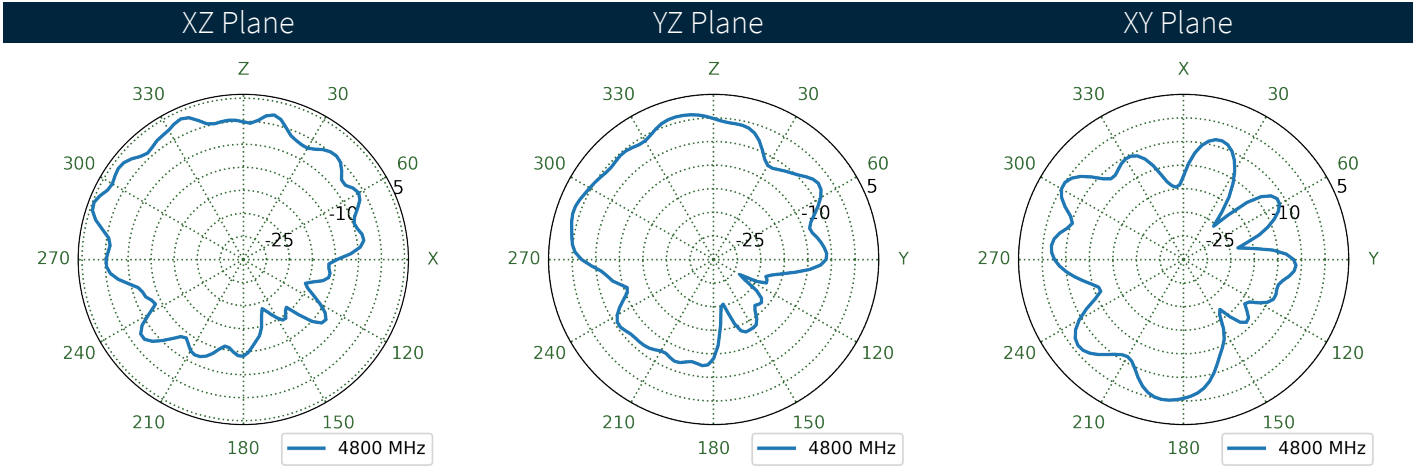
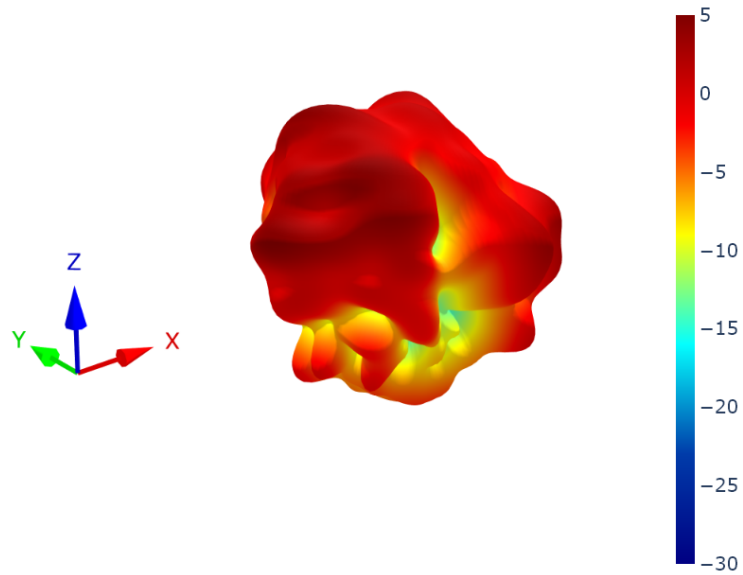
7.93 LTE2 Patterns at 4800 MHz



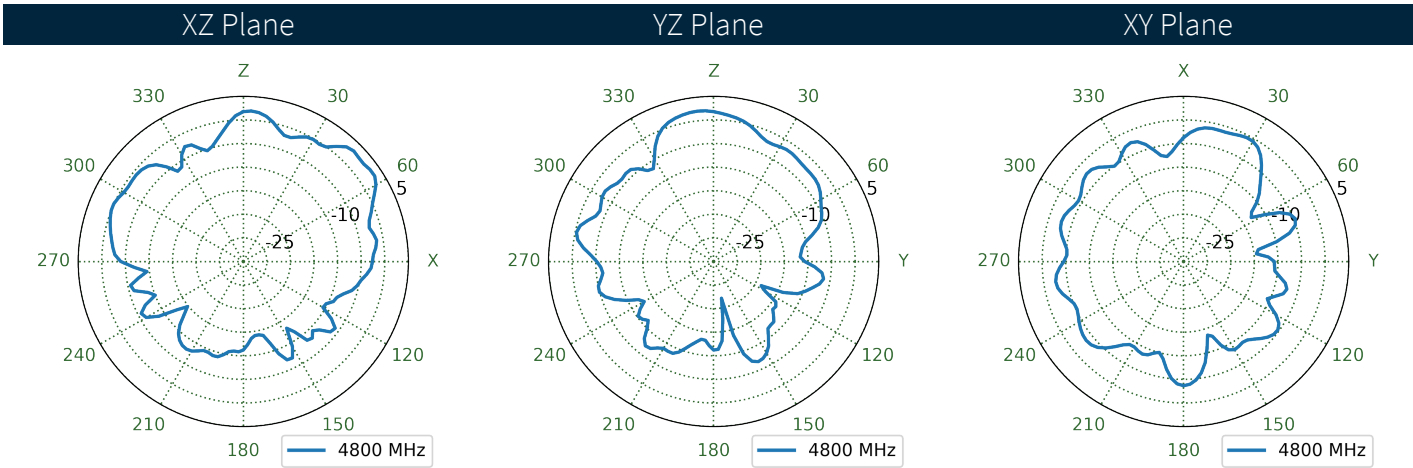
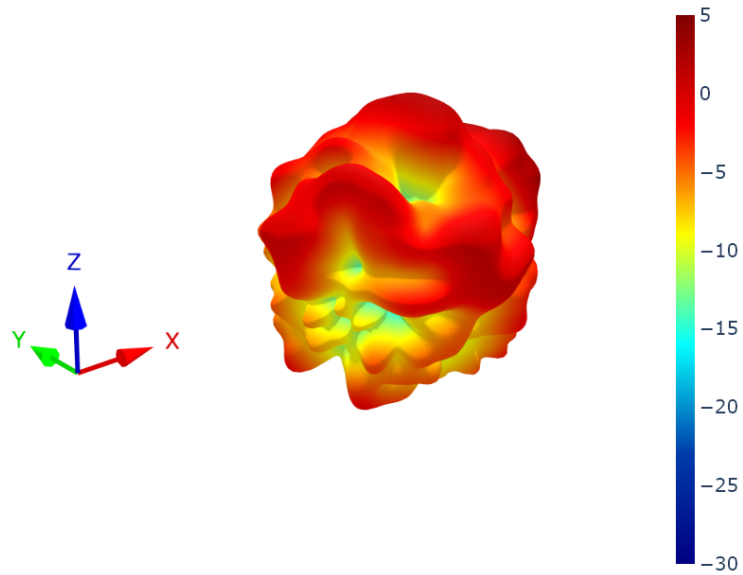
7.94 LTE3 Patterns at 4800 MHz



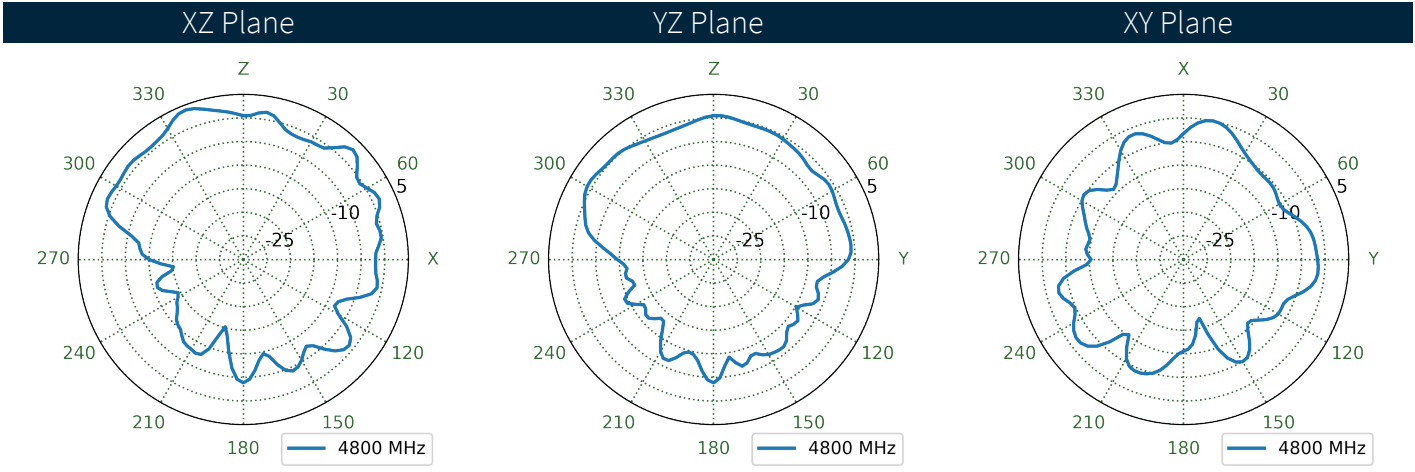
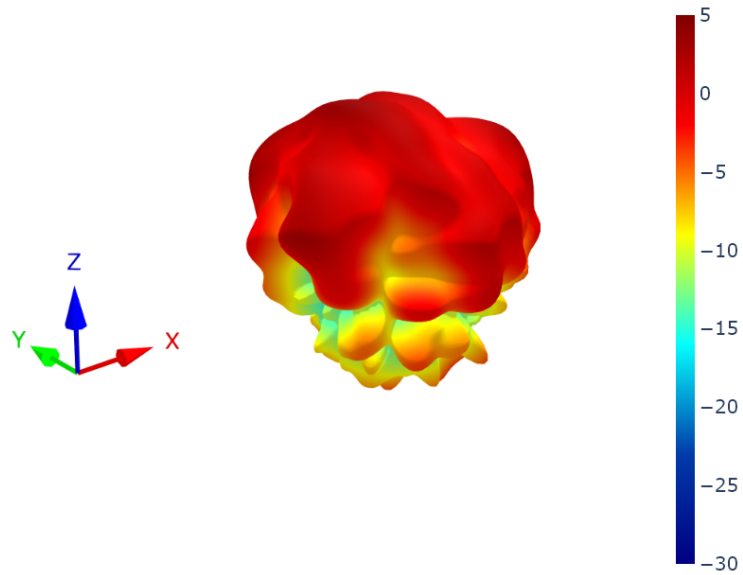
7.95 LTE4 Patterns at 4800 MHz



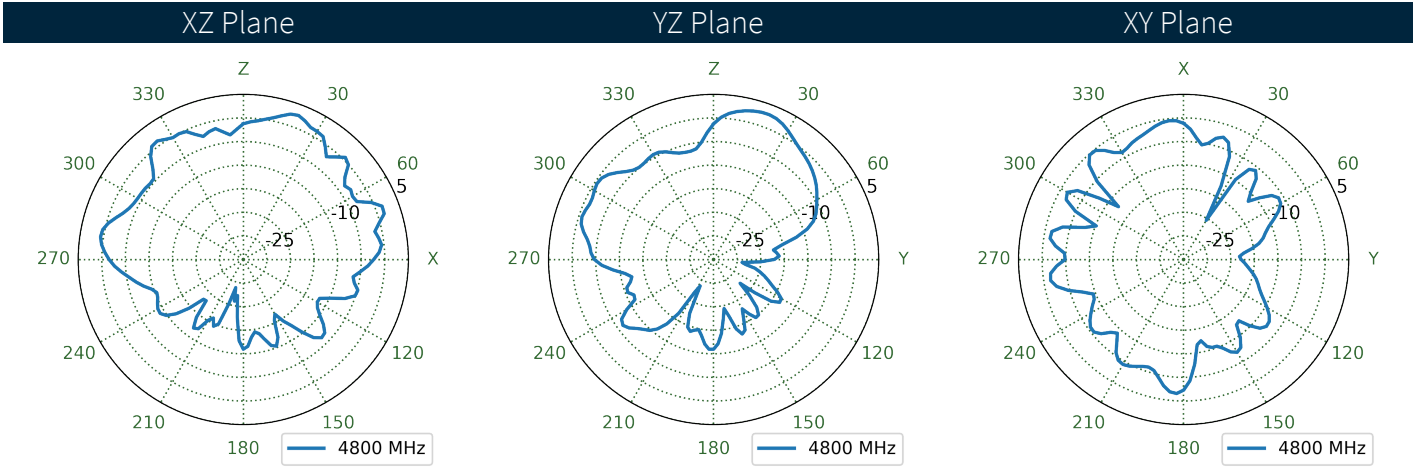
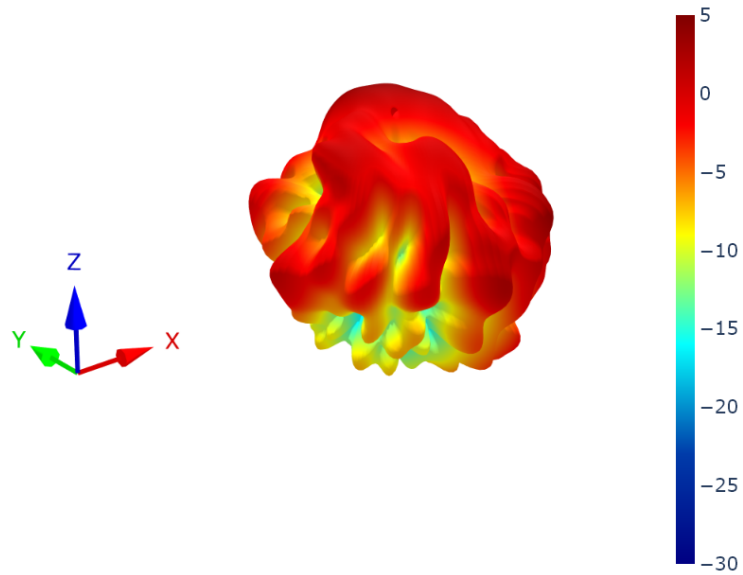
7.96 LTE5 Patterns at 4800 MHz



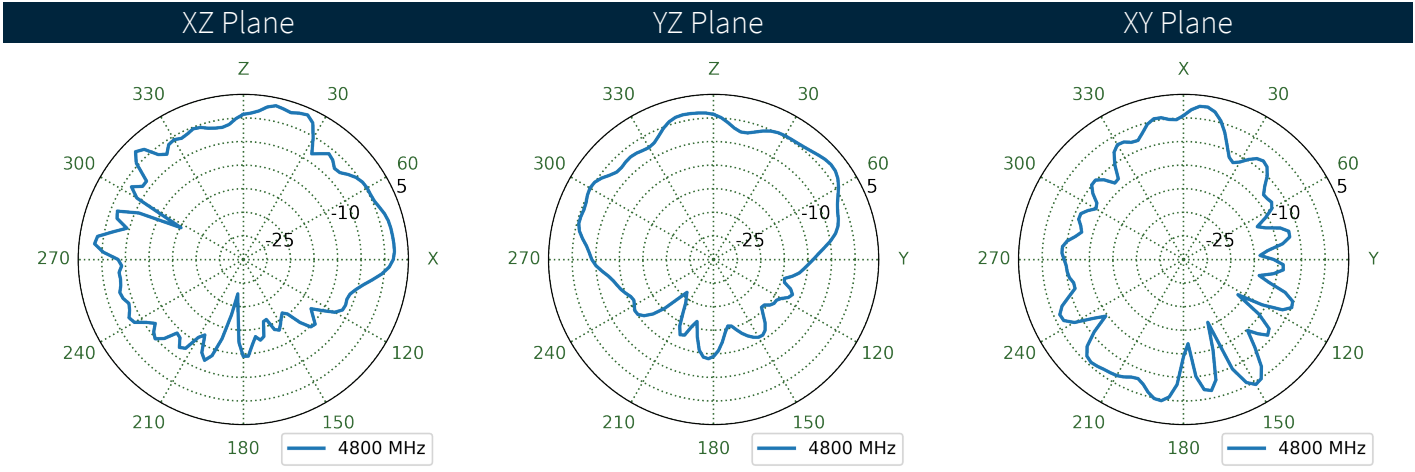
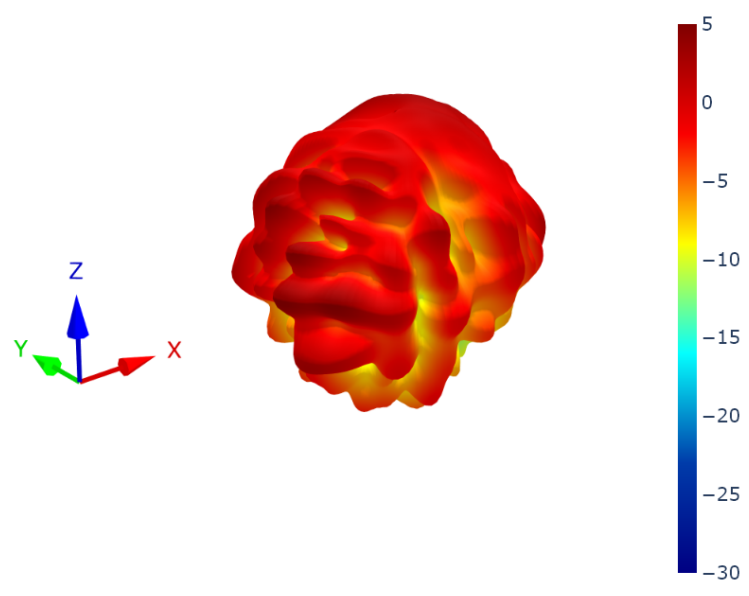
7.97 LTE6 Patterns at 4800 MHz



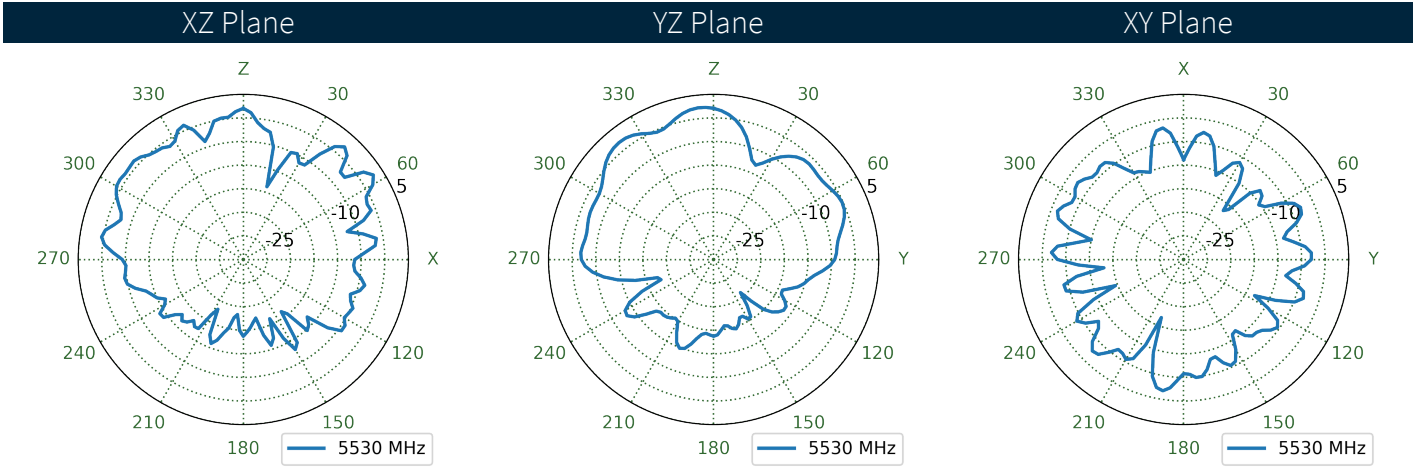
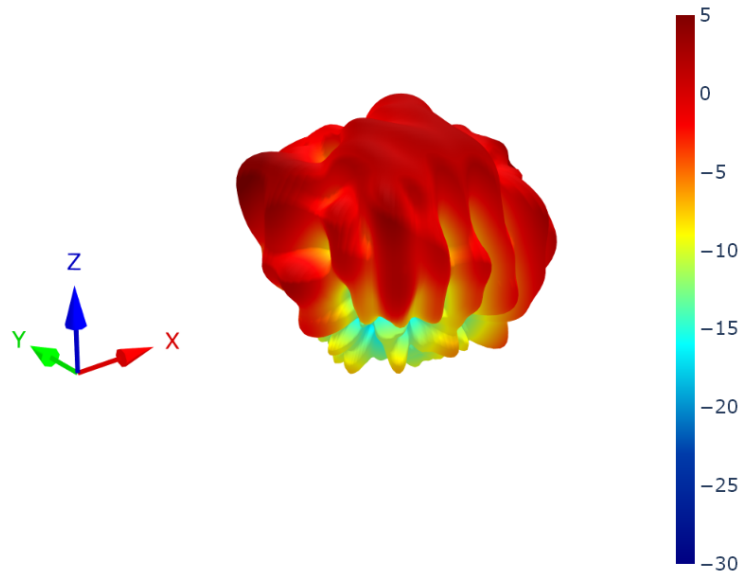
7.98 LTE7 Patterns at 4800 MHz



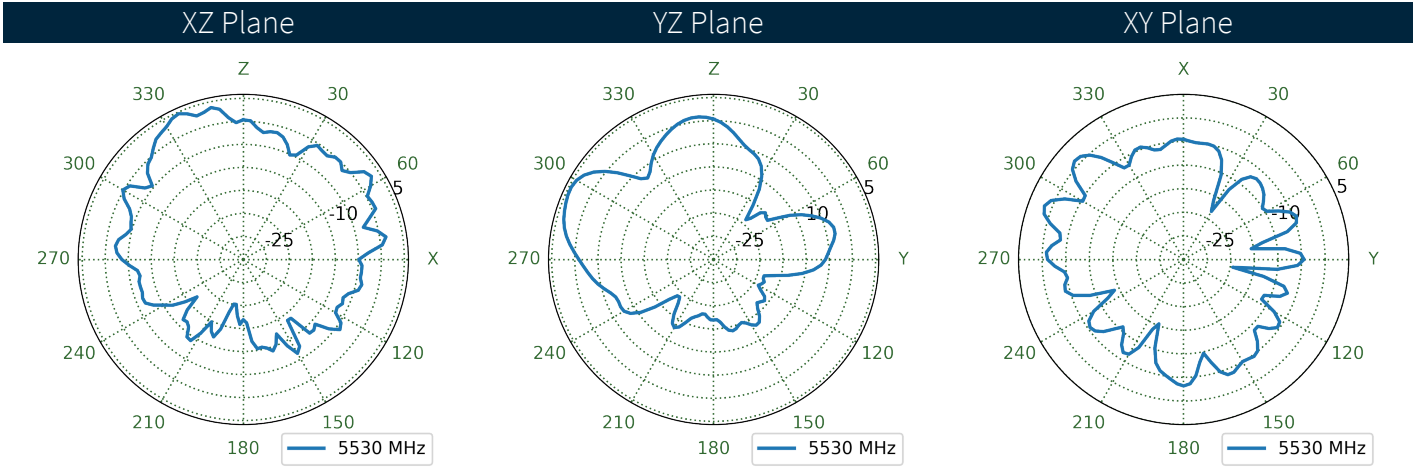
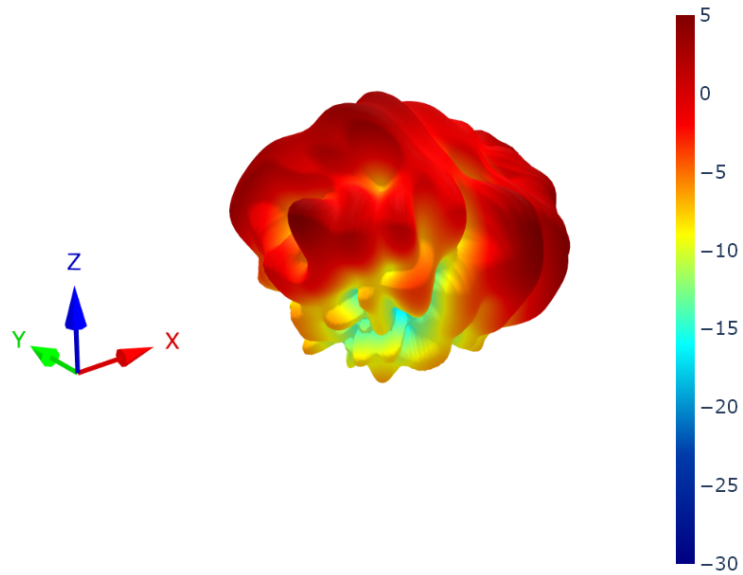
7.99 LTE8 Patterns at 4800 MHz



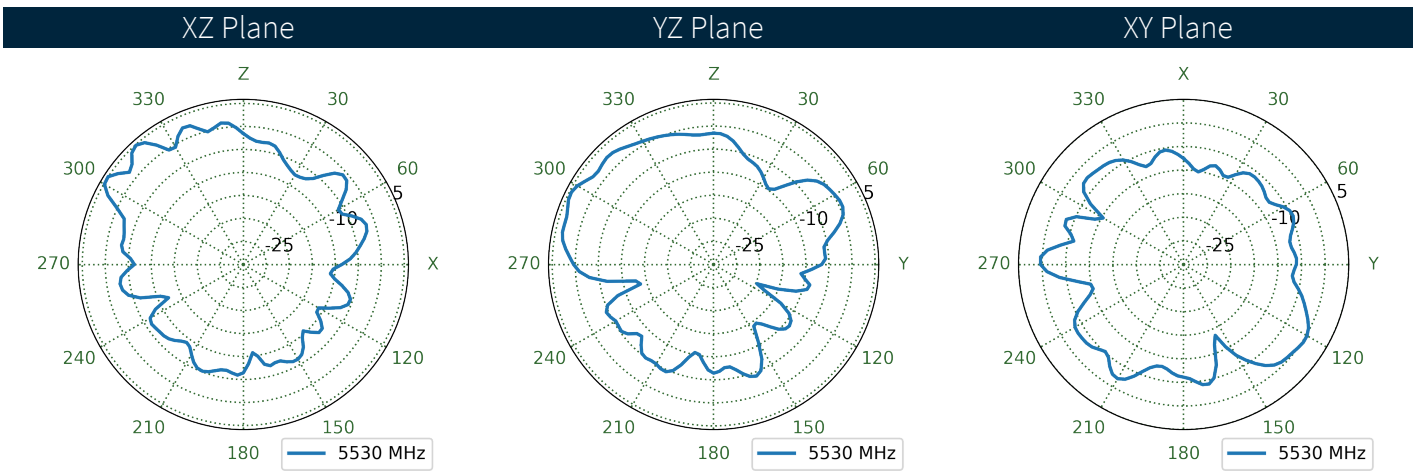
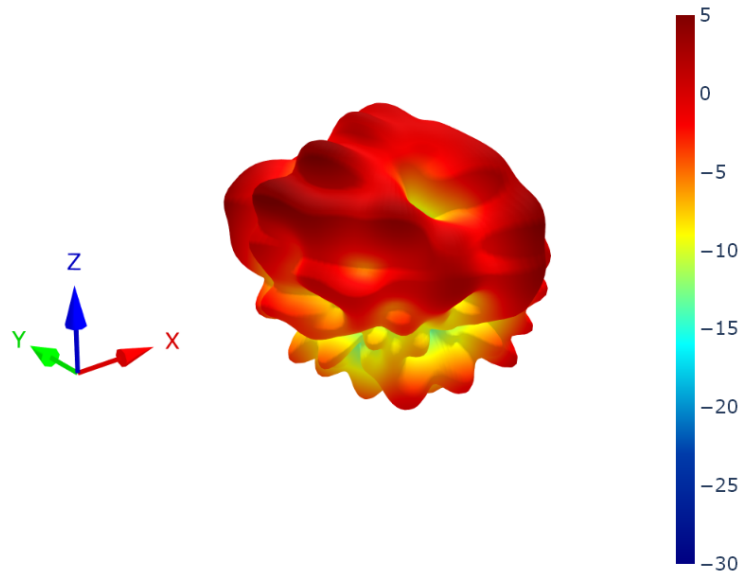
7.100 LTE1 Patterns at 5530 MHz



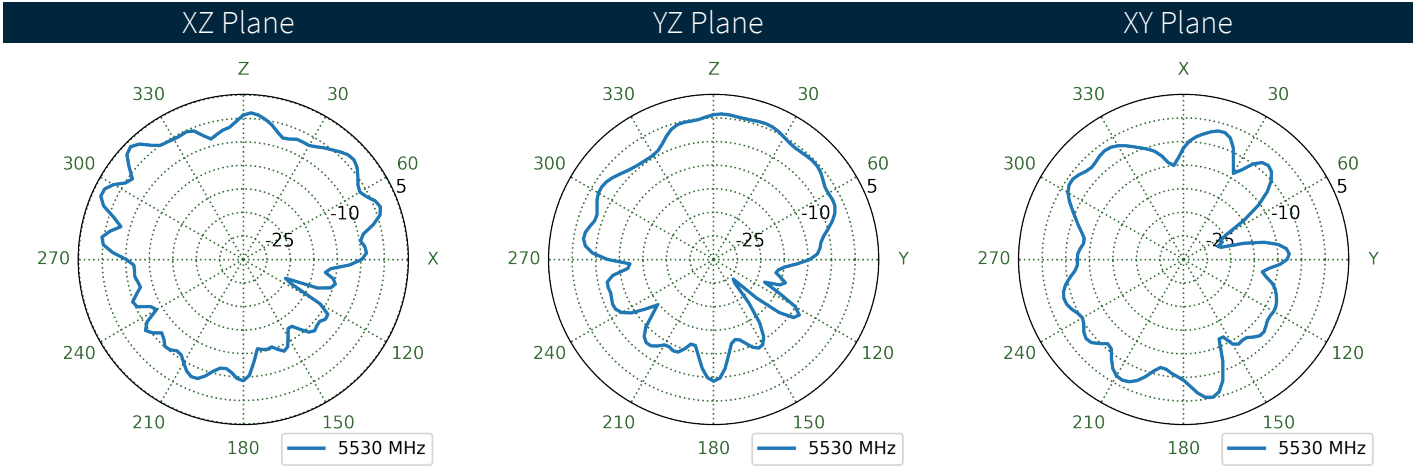
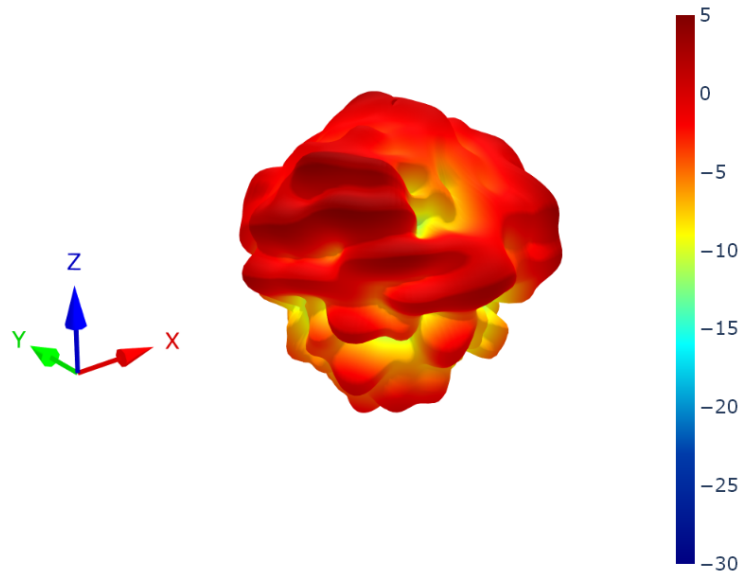
7.101 LTE2 Patterns at 5530 MHz



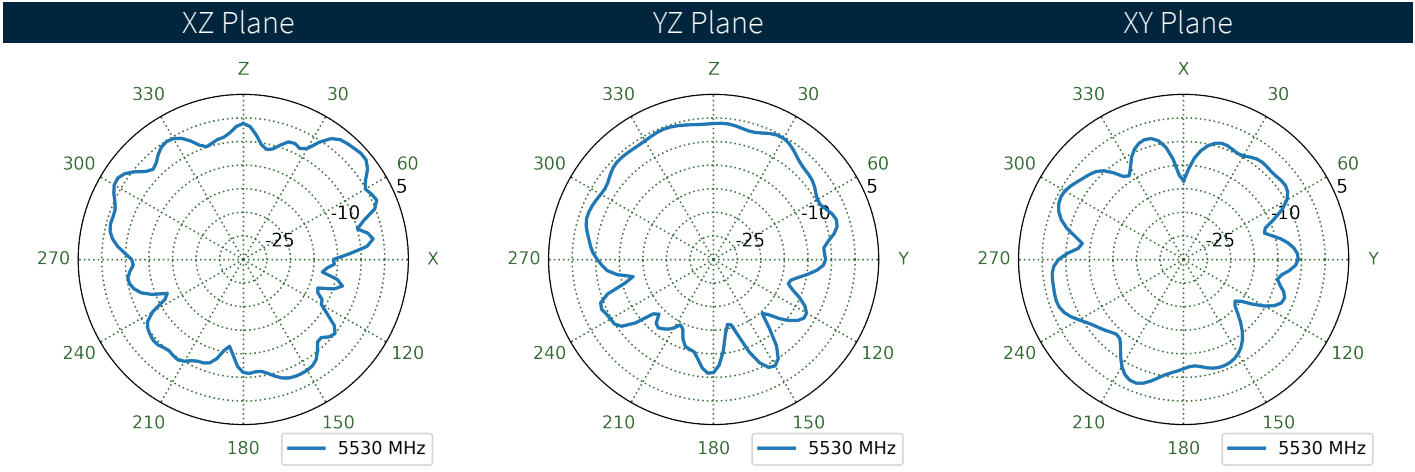
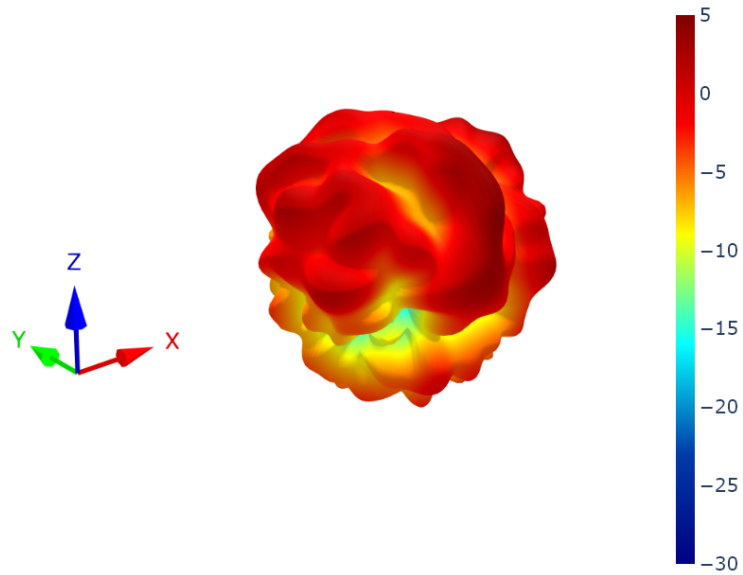
7.102 LTE3 Patterns at 5530 MHz



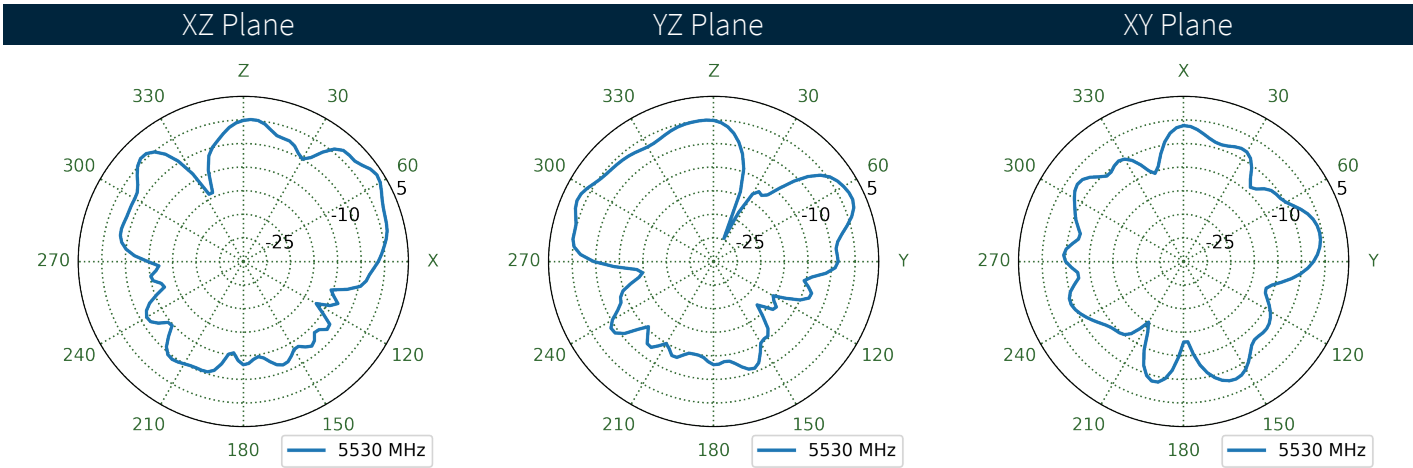
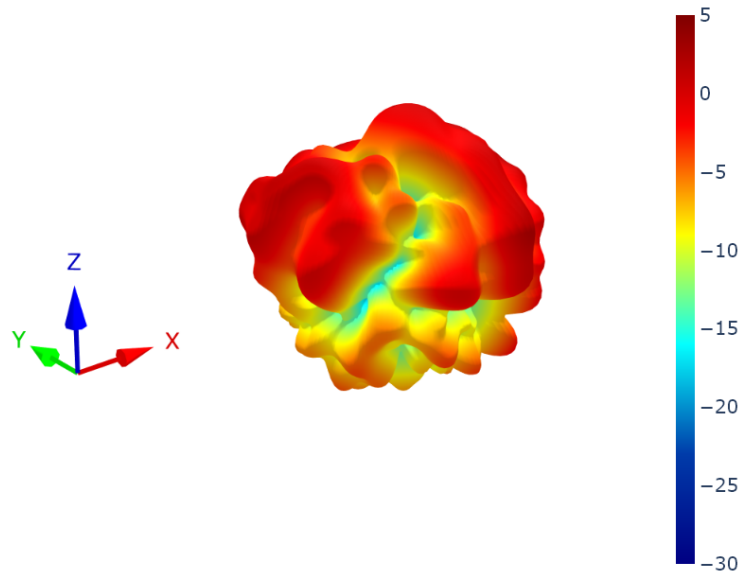
7.103 LTE4 Patterns at 5530 MHz



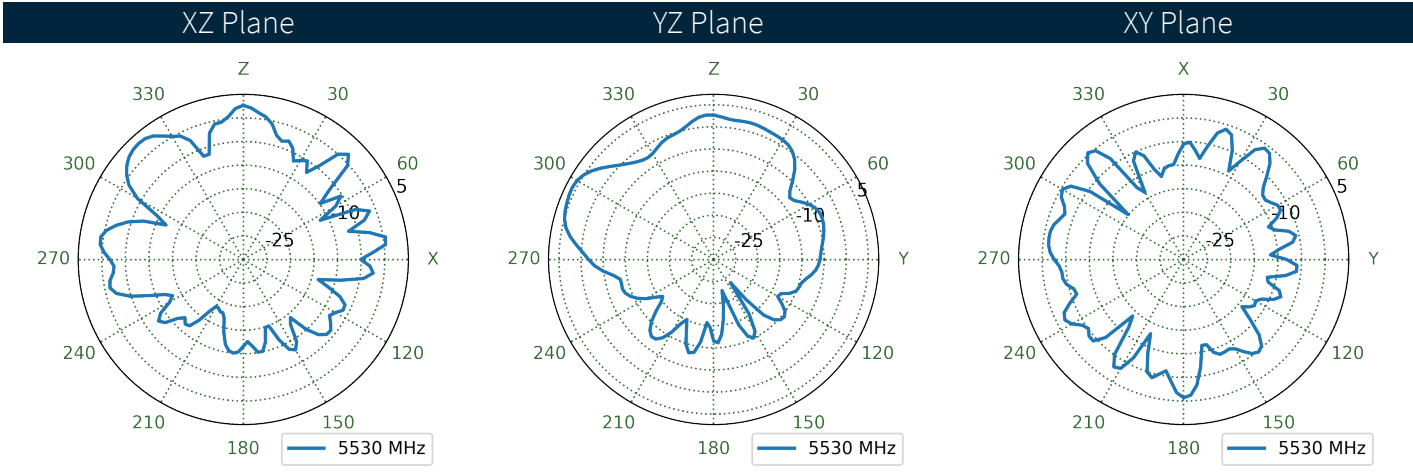
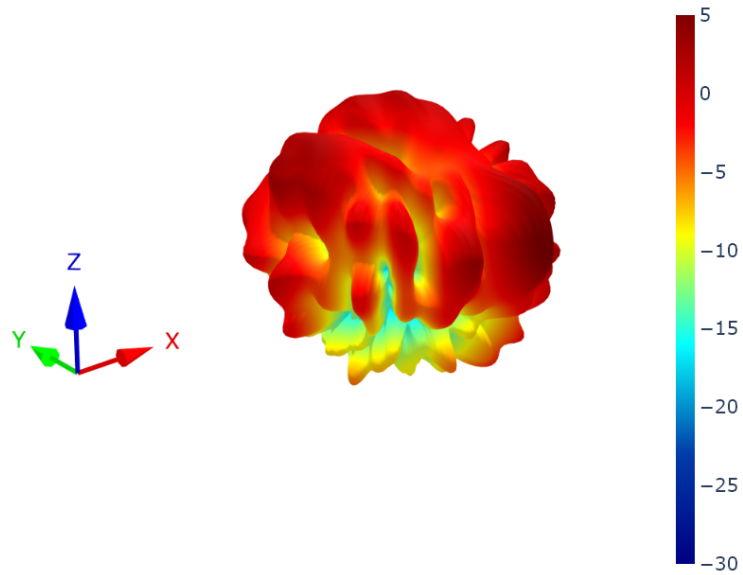
7.104 LTE5 Patterns at 5530 MHz



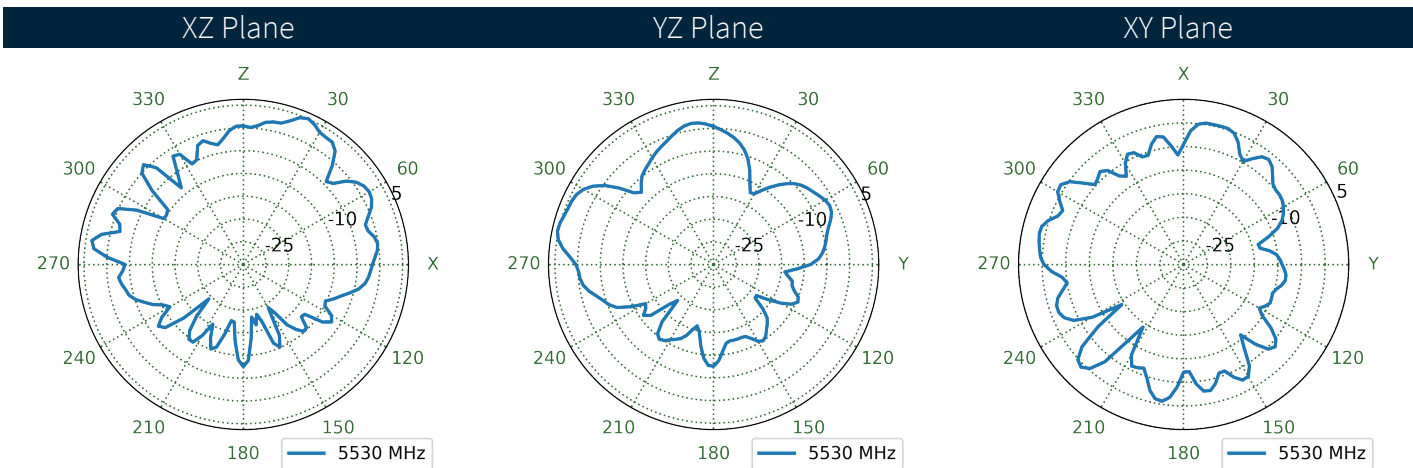
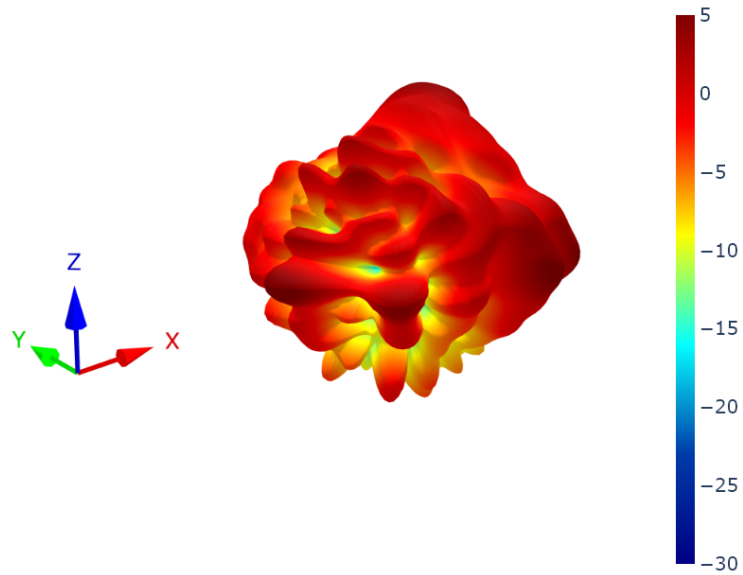
7.105 LTE6 Patterns at 5530 MHz



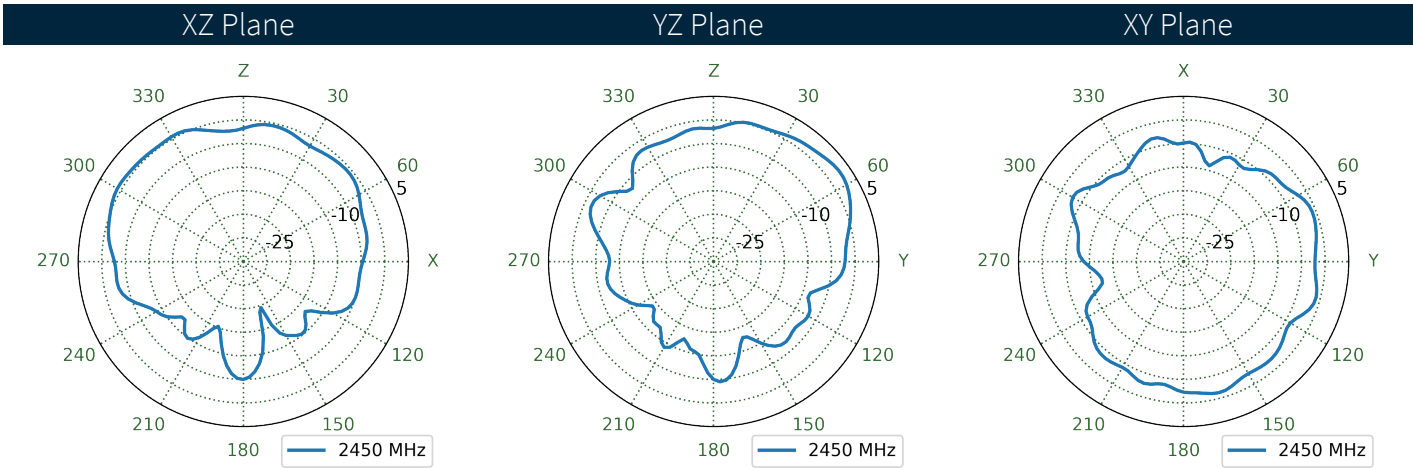
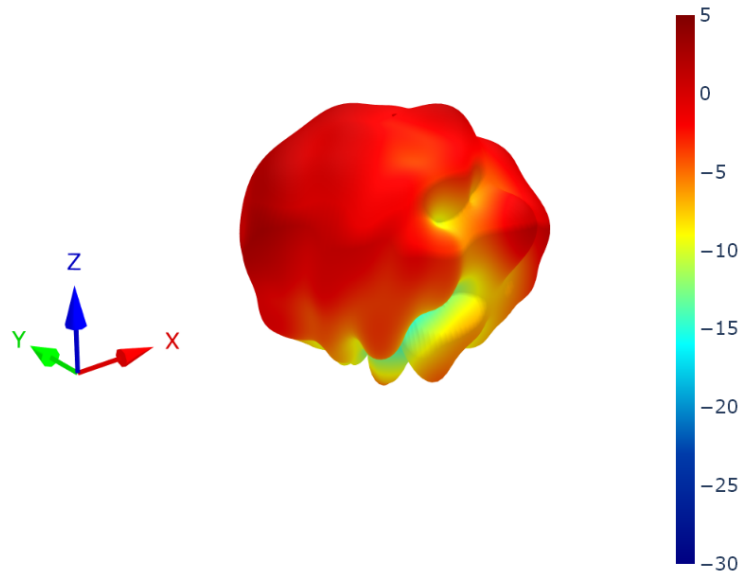
7.106 LTE7 Patterns at 5530 MHz



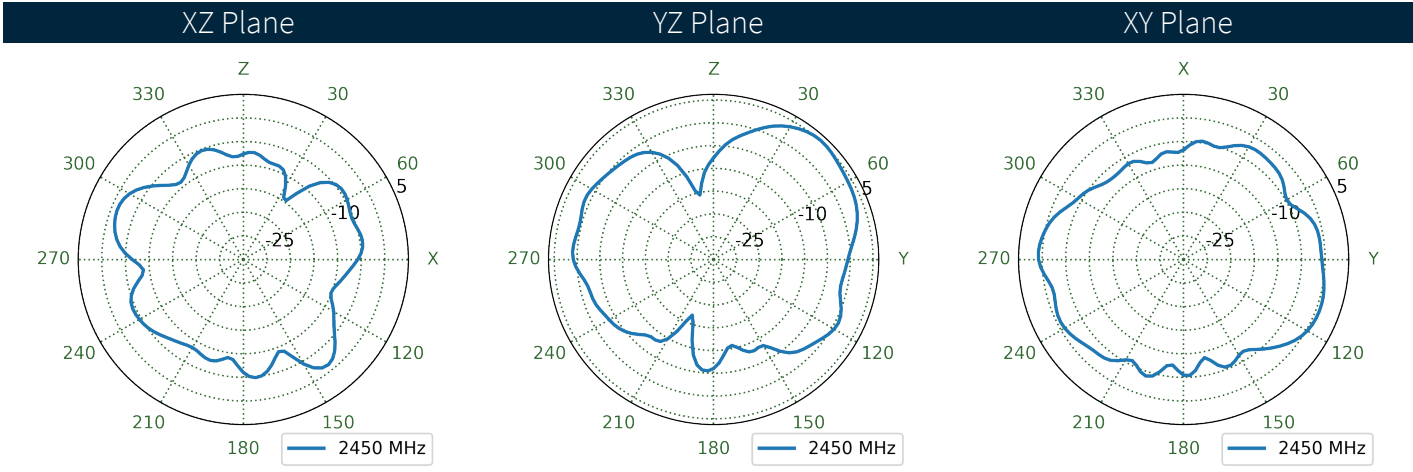
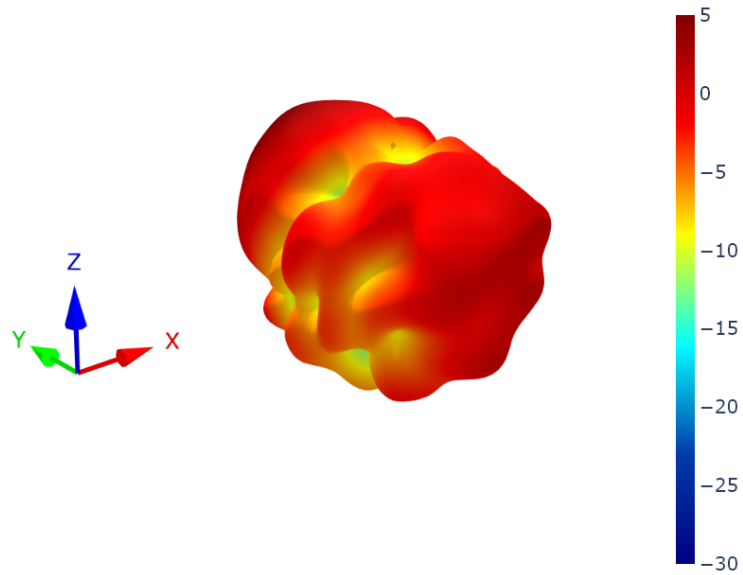
7.107 LTE8 Patterns at 5530 MHz



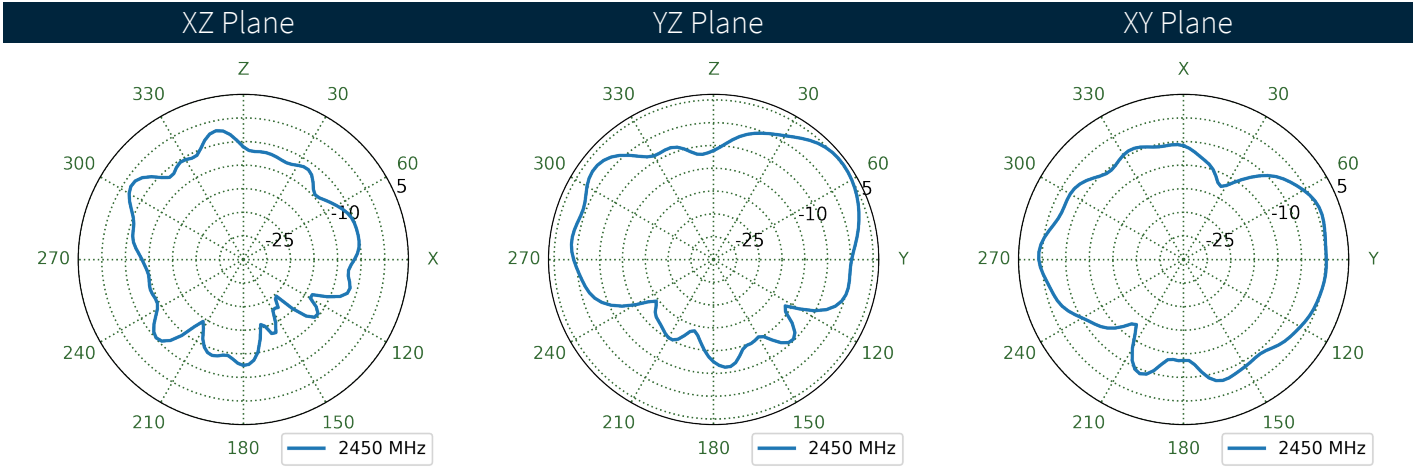
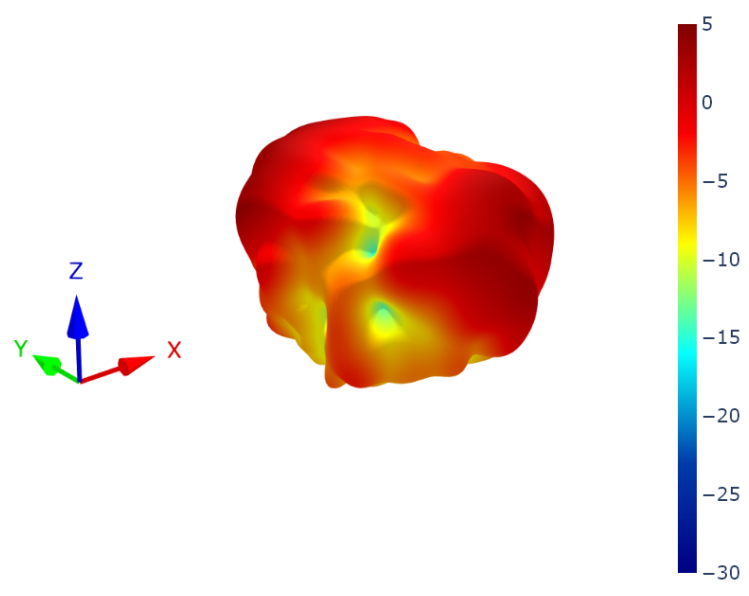
7.108 Wi-Fi1 Patterns at 2450 MHz



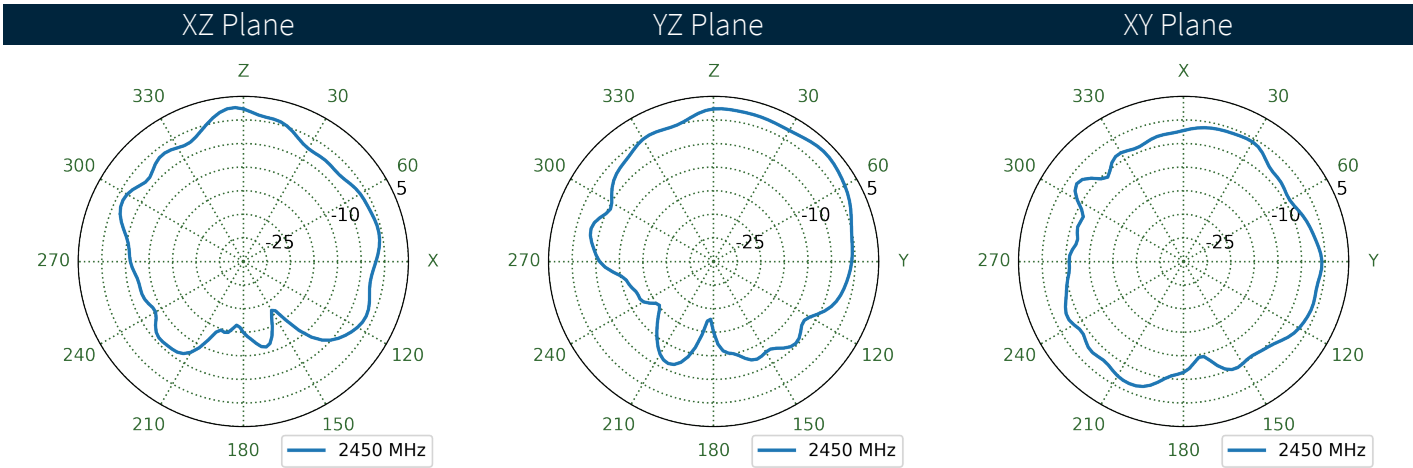
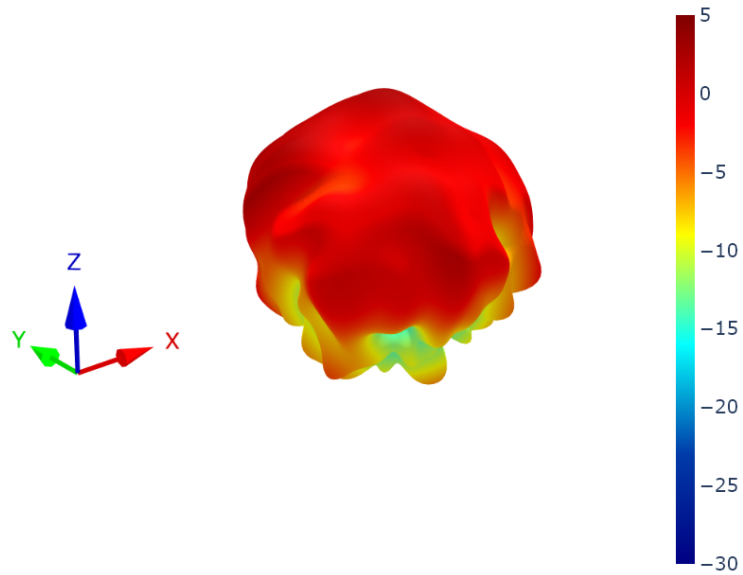
7.109 Wi-Fi2 Patterns at 2450 MHz



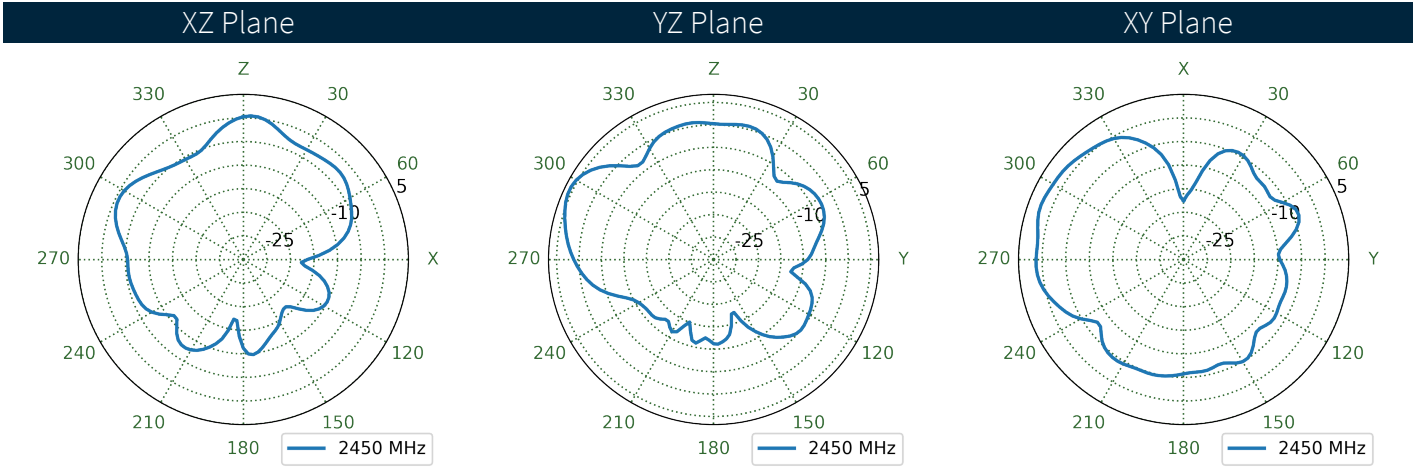
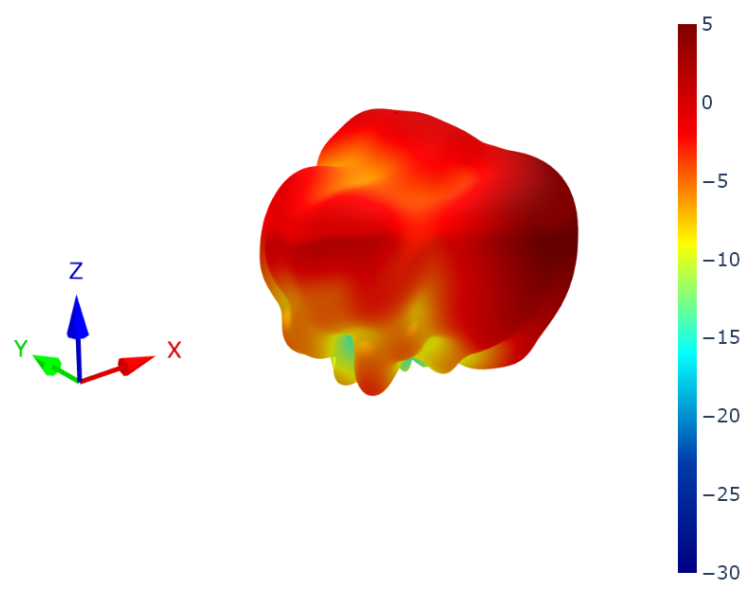
7.110 Wi-Fi3 Patterns at 2450 MHz



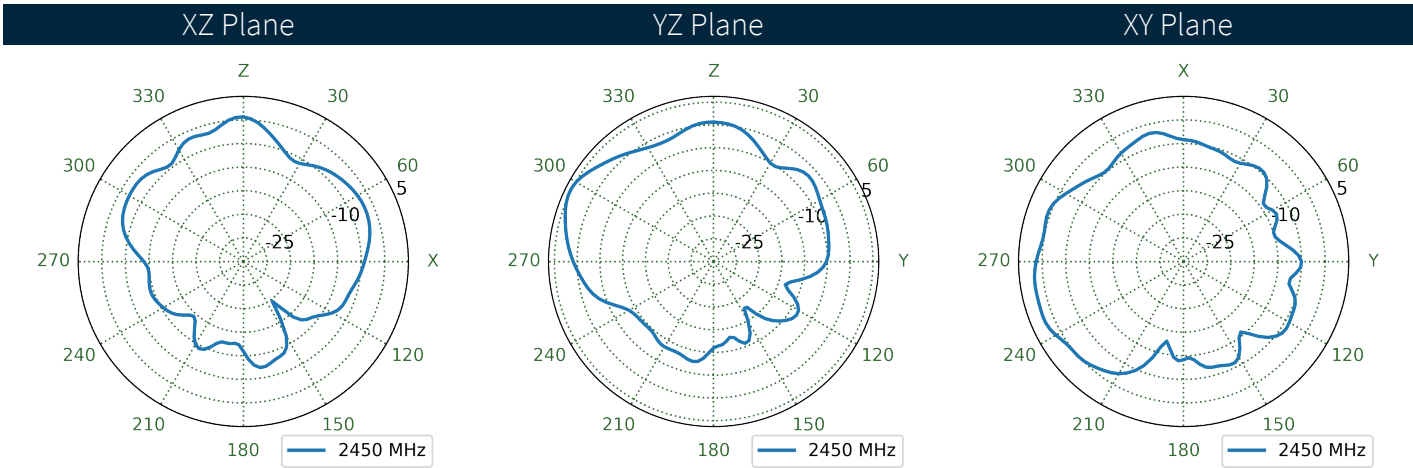
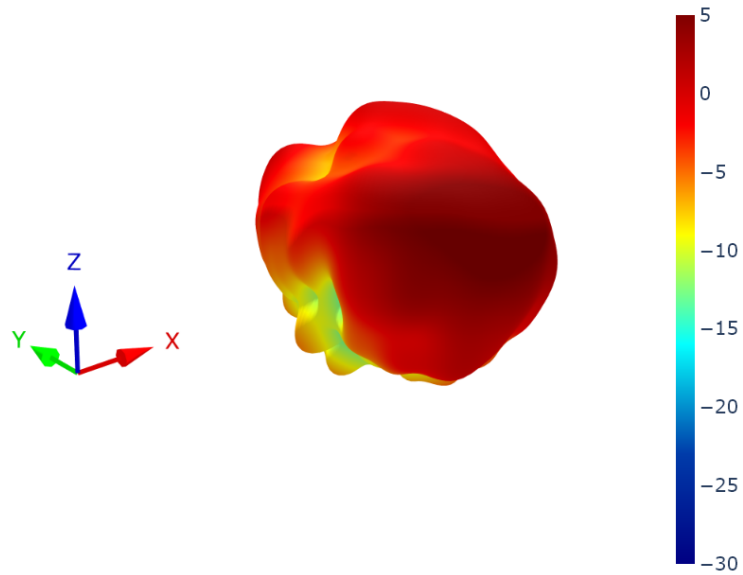
7.111 Wi-Fi4 Patterns at 2450 MHz



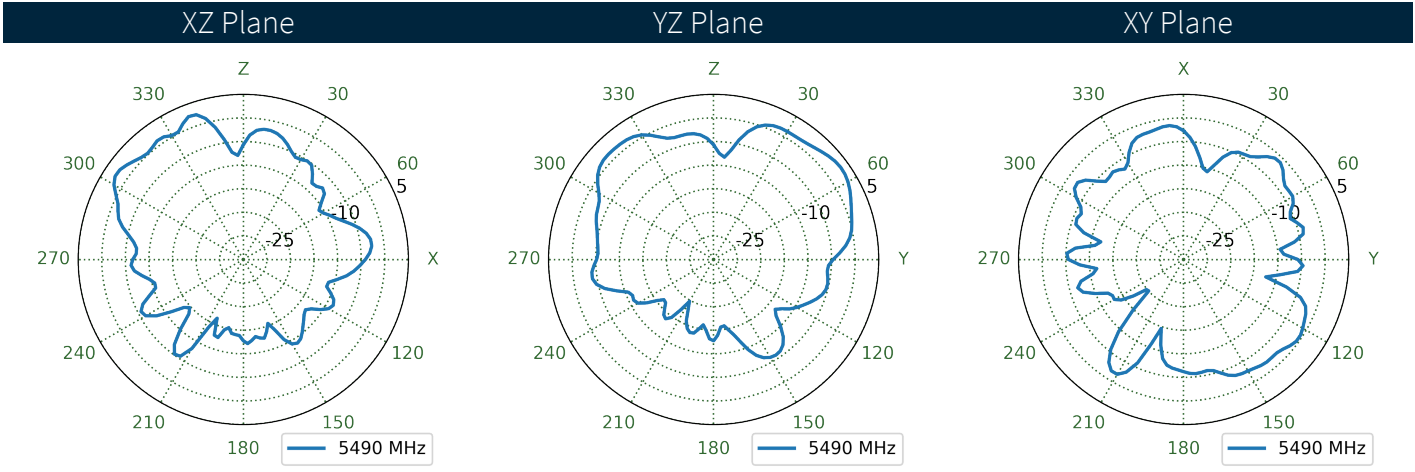
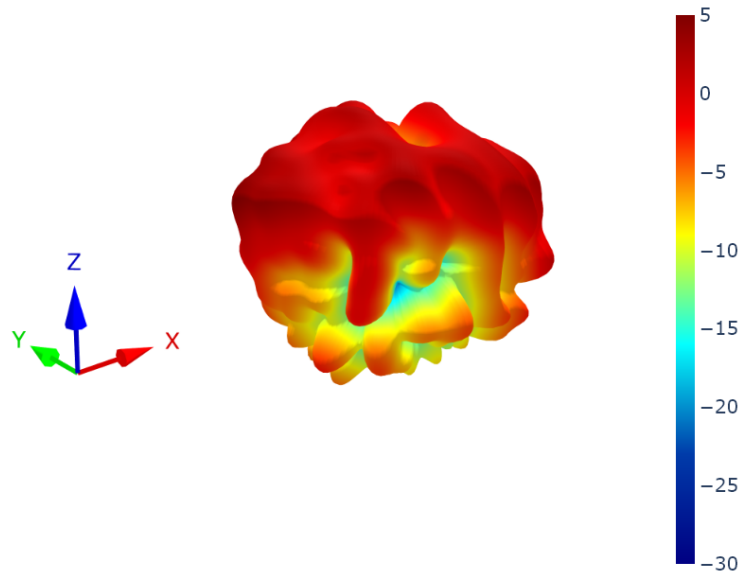
7.112 Wi-Fi5 Patterns at 2450 MHz



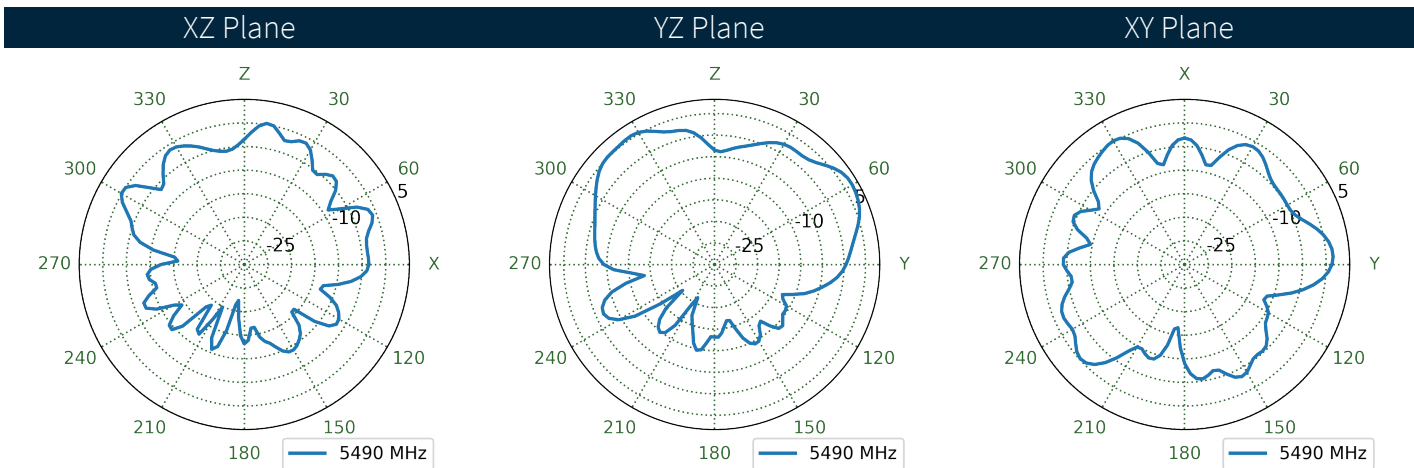
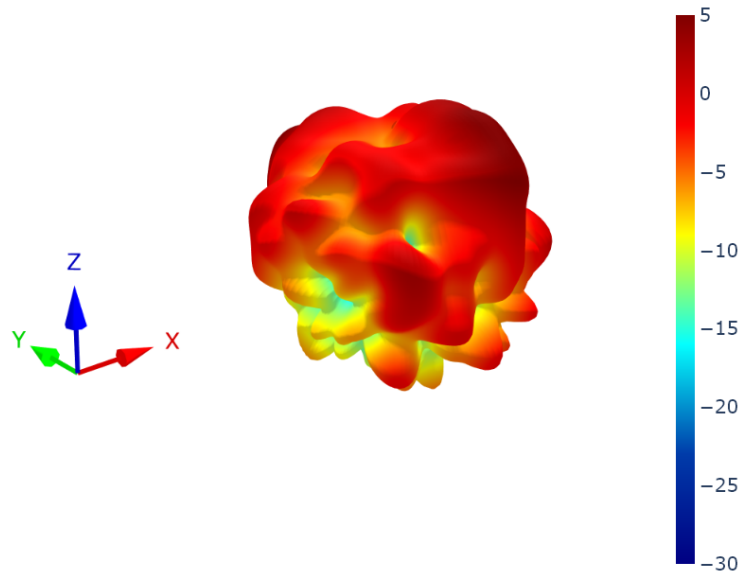
7.113 Wi-Fi6 Patterns at 2450 MHz



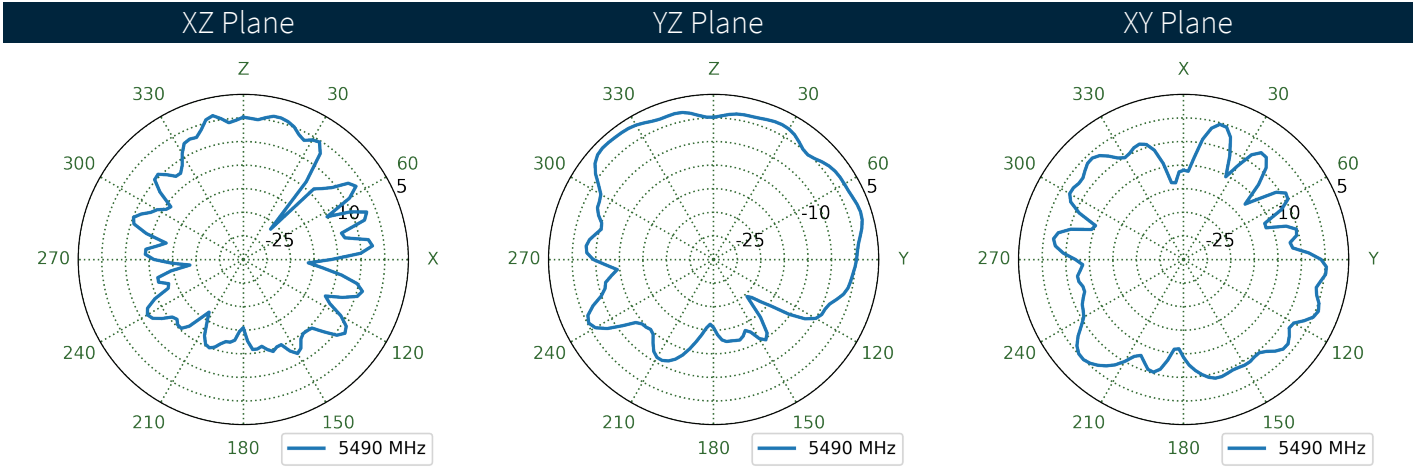
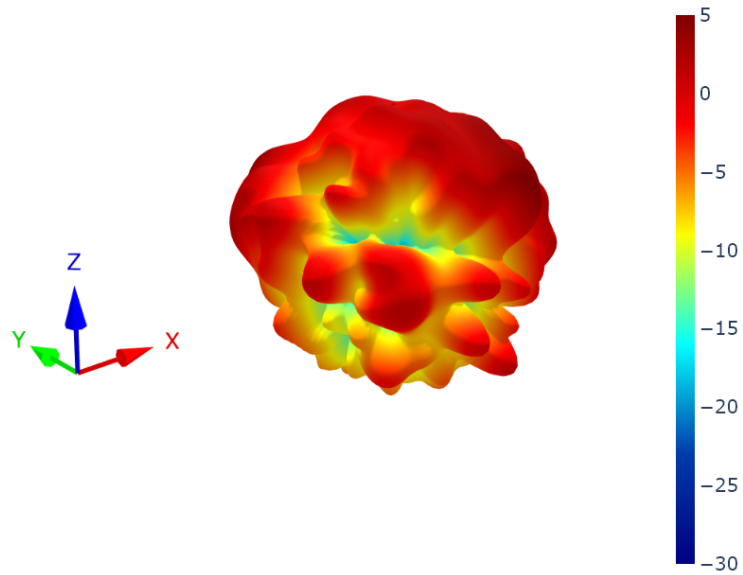
7.114 Wi-Fi1 Patterns at 5500 MHz



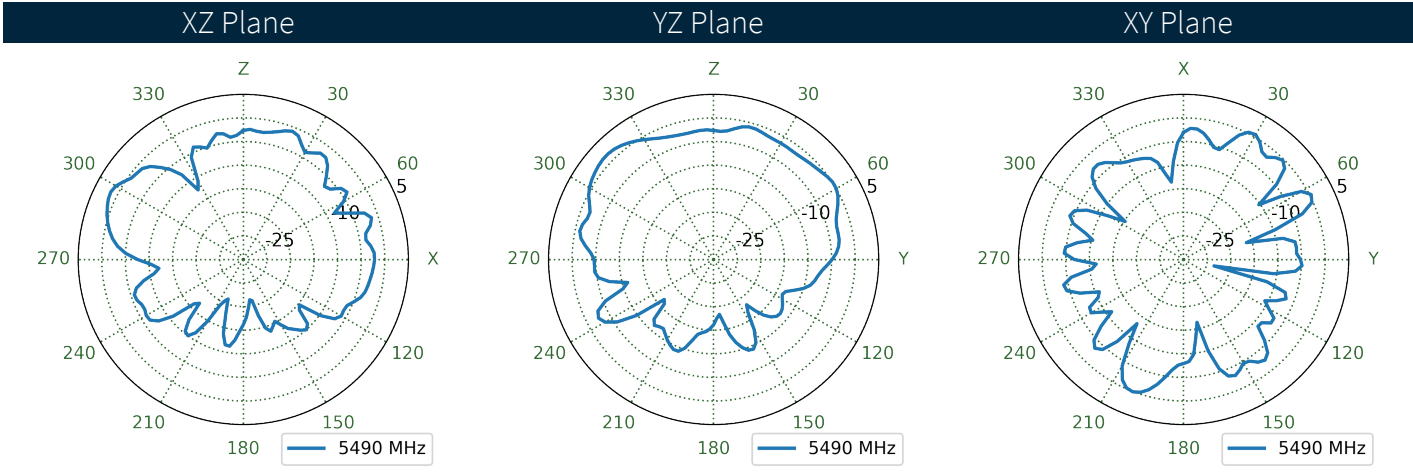
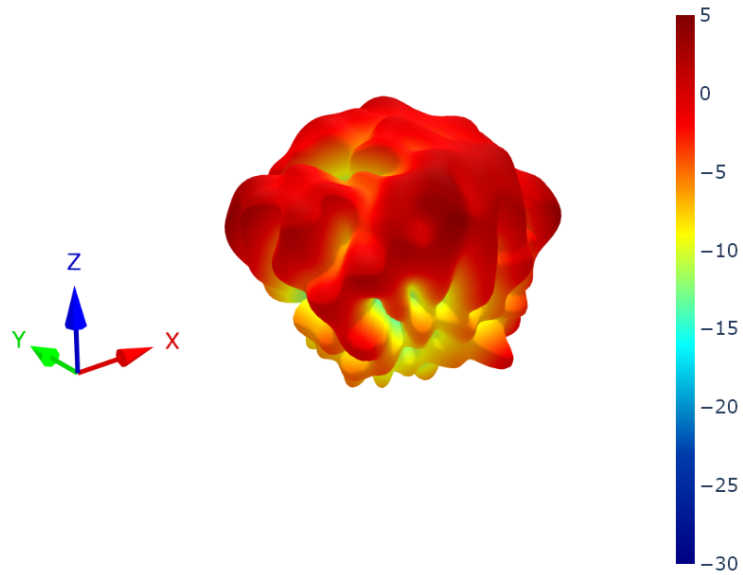
7.115 Wi-Fi2 Patterns at 5500 MHz



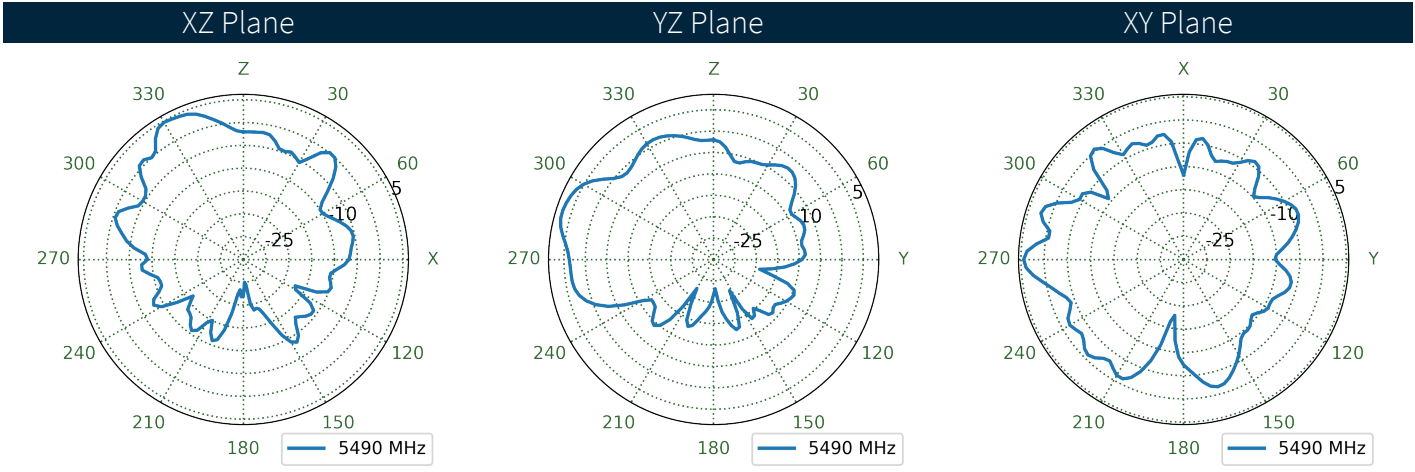
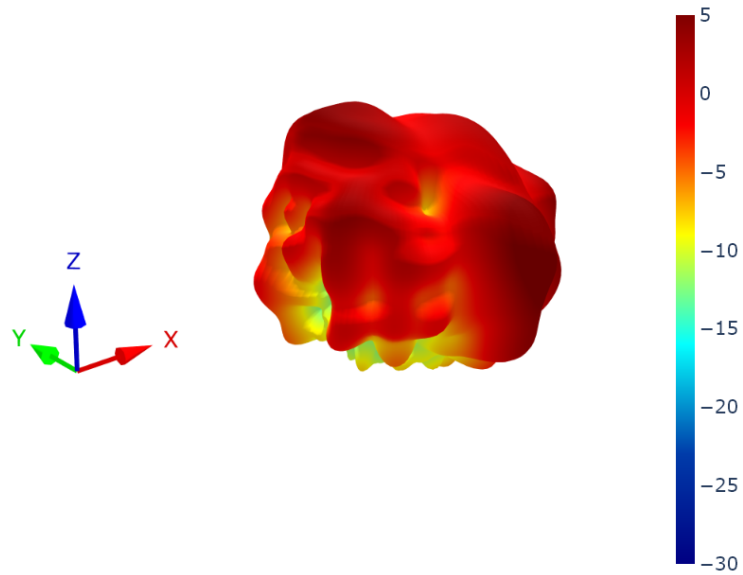
7.116 Wi-Fi3 Patterns at 5500 MHz



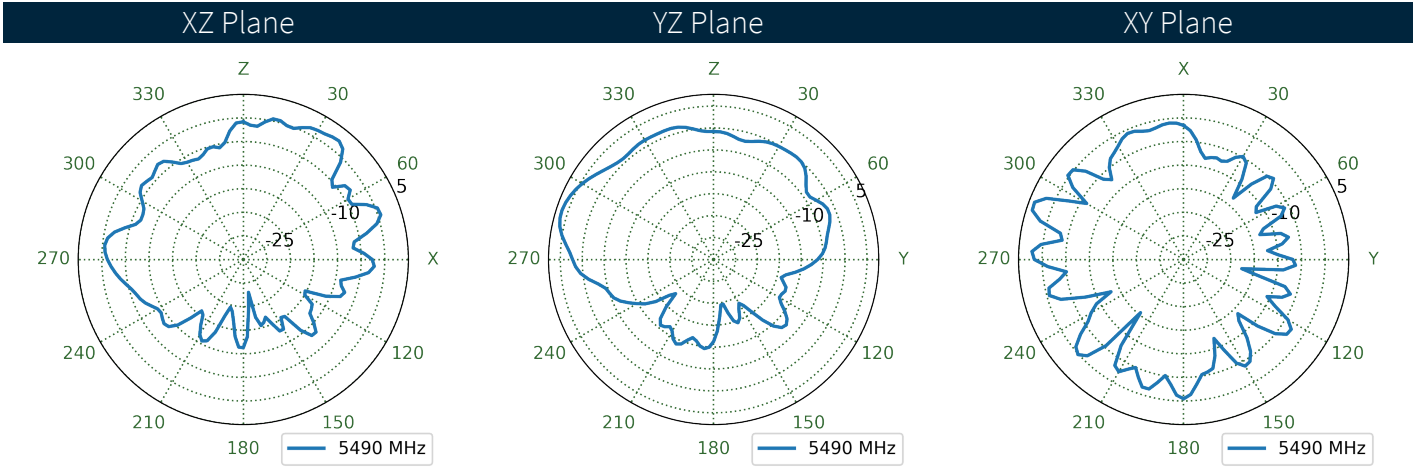
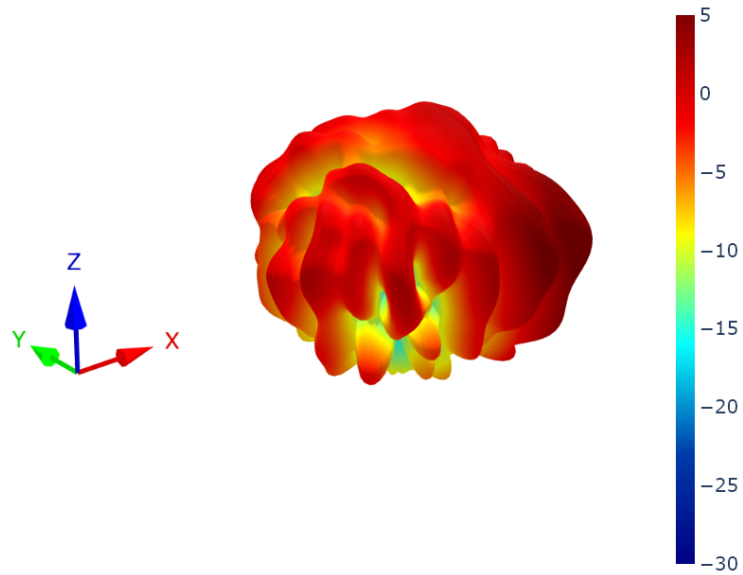
7.117 Wi-Fi4 Patterns at 5500 MHz



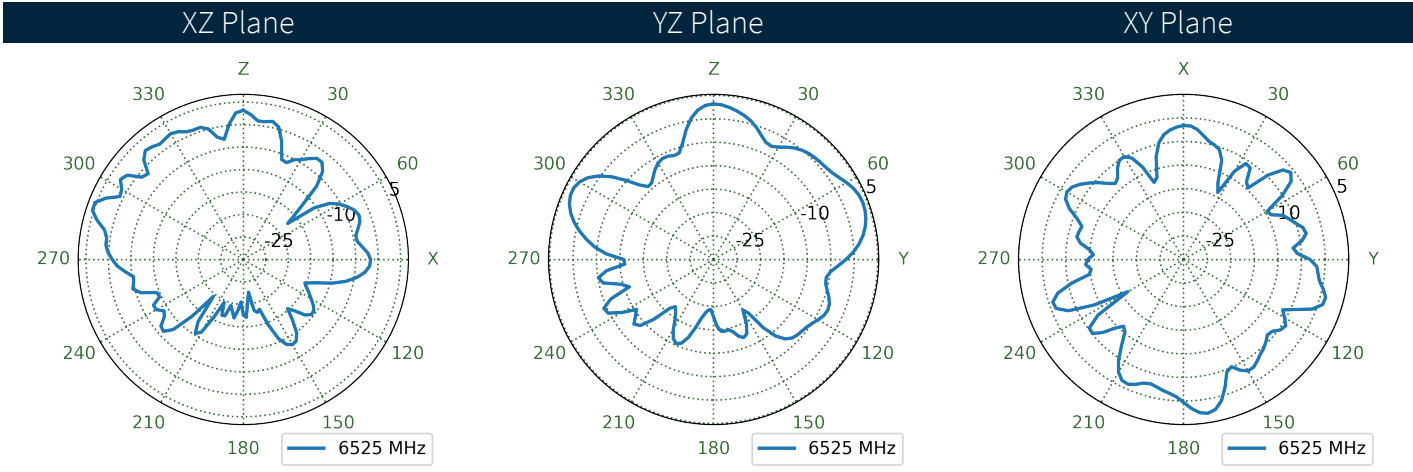
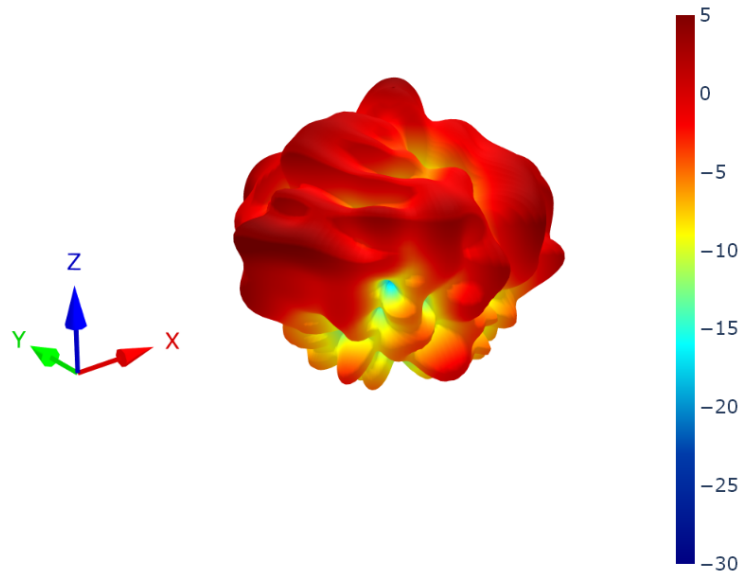
7.118 Wi-Fi5 Patterns at 5500 MHz



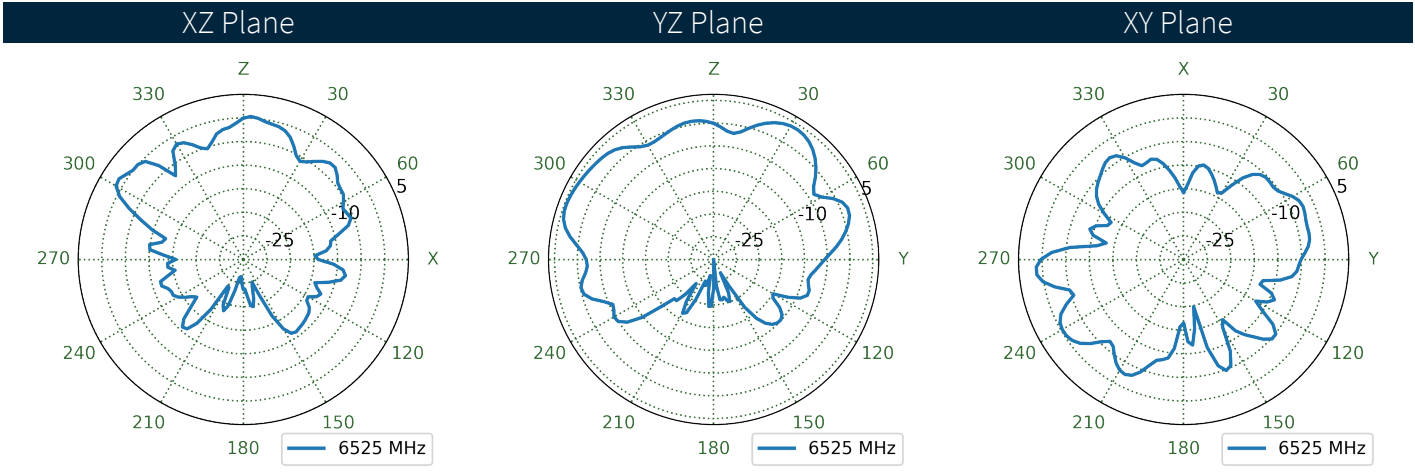
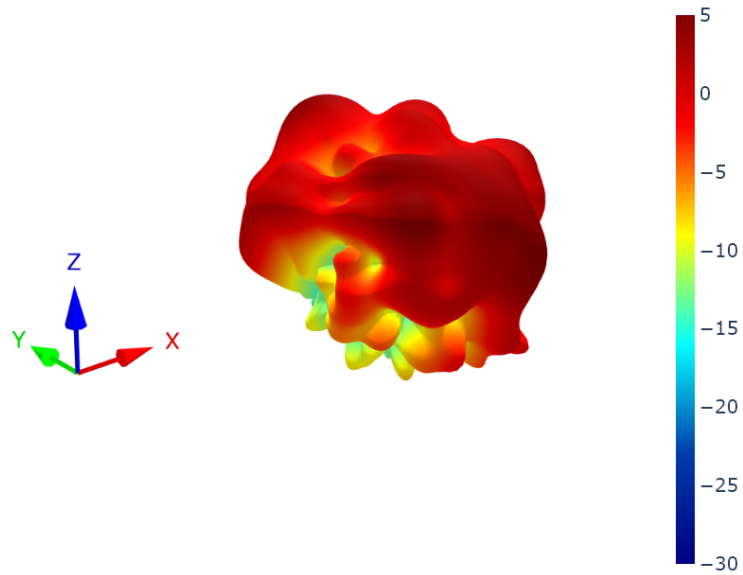
7.119 Wi-Fi6 Patterns at 5500 MHz



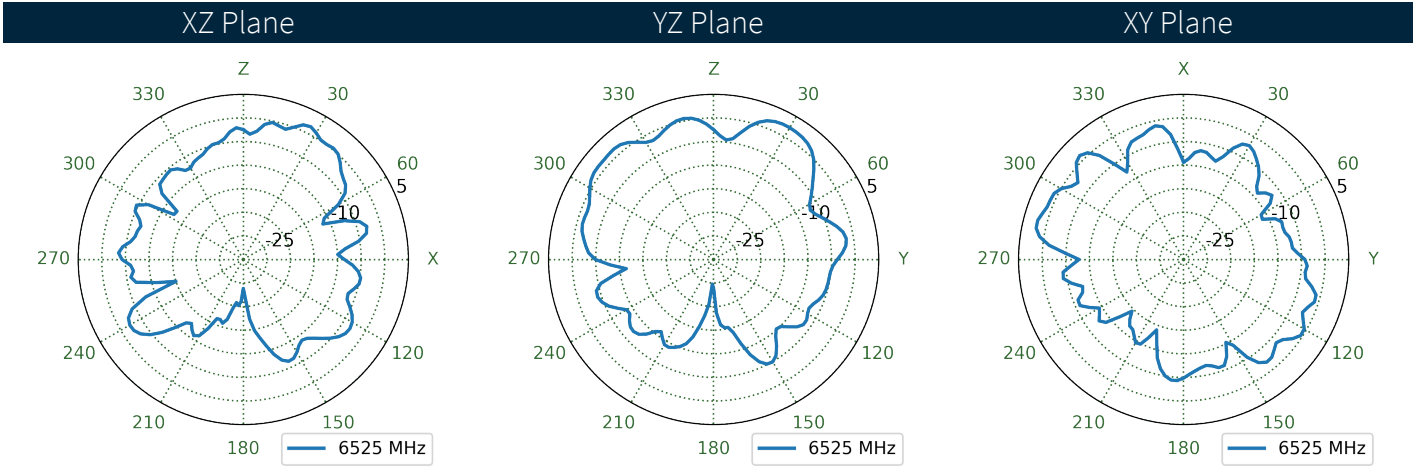
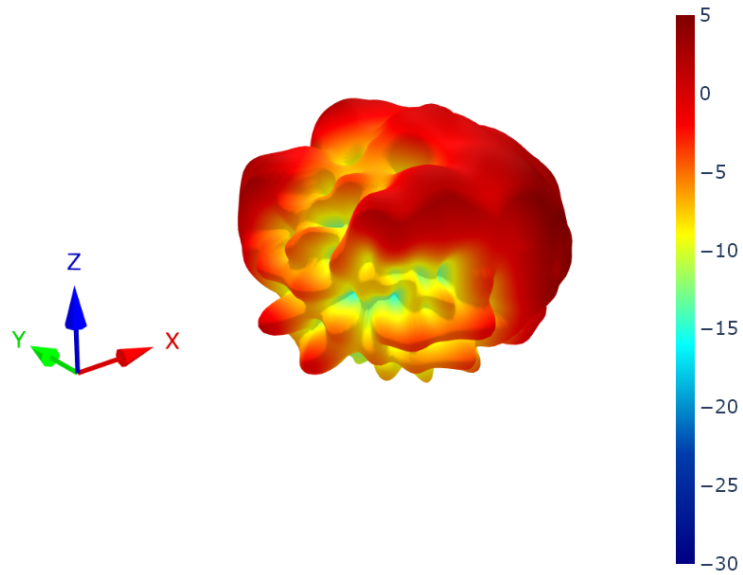
7.120 Wi-Fi1 Patterns at 6525 MHz



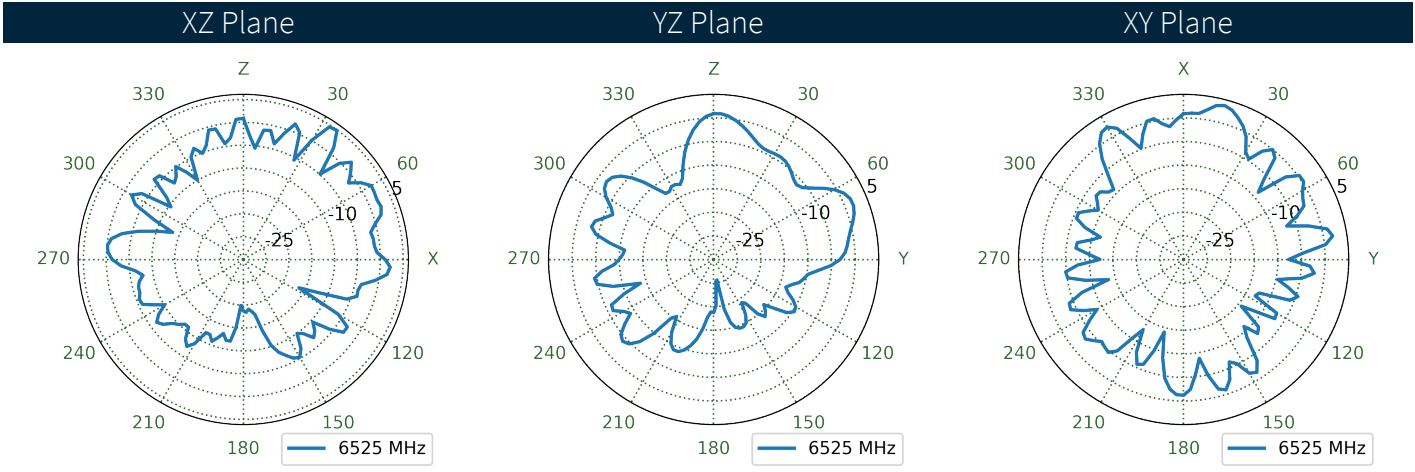
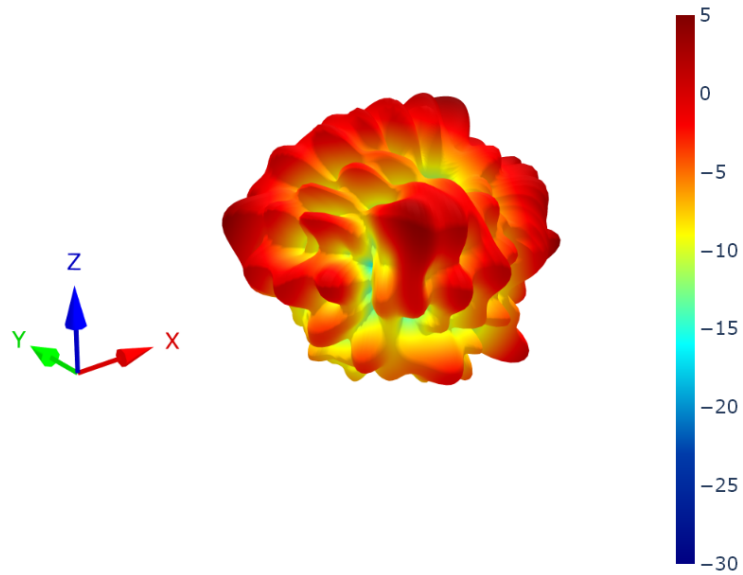
7.121 Wi-Fi2 Patterns at 6525 MHz



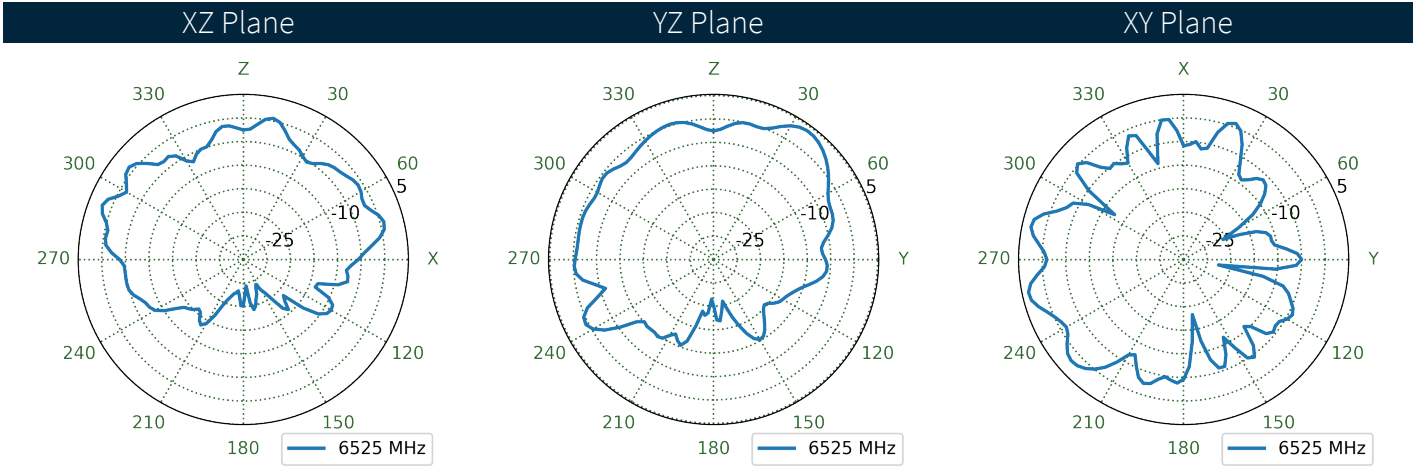
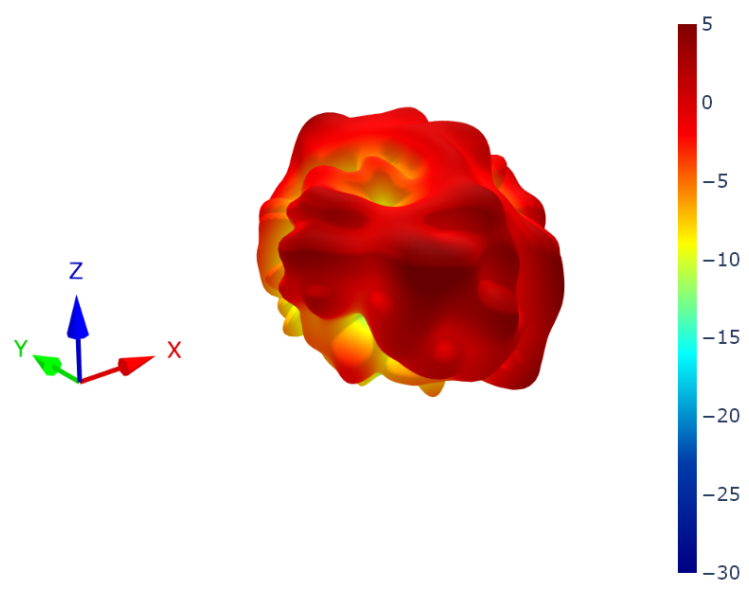
7.122 Wi-Fi3 Patterns at 6525 MHz



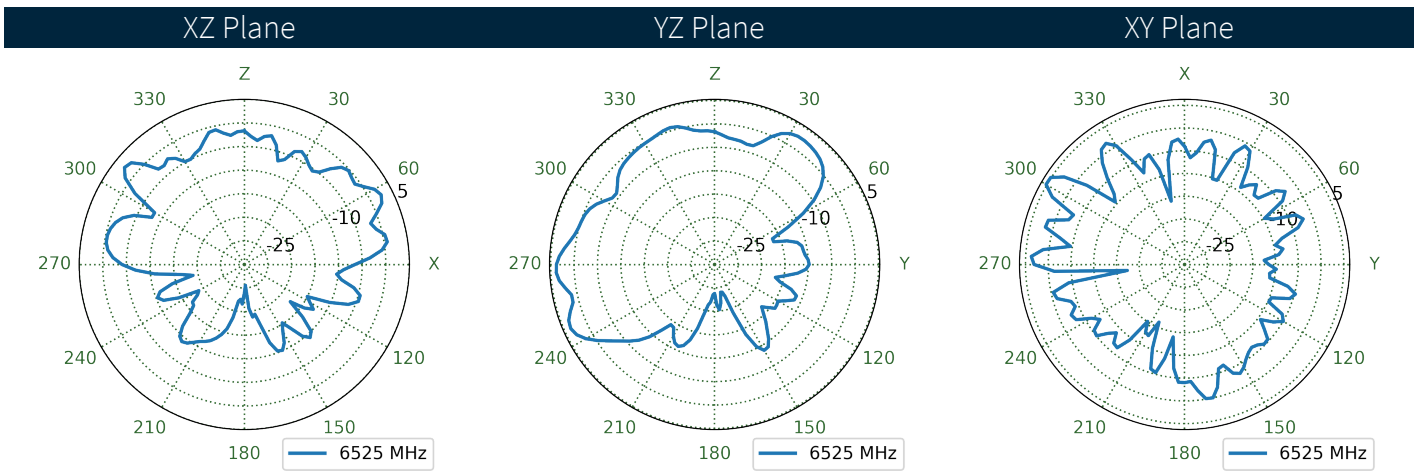
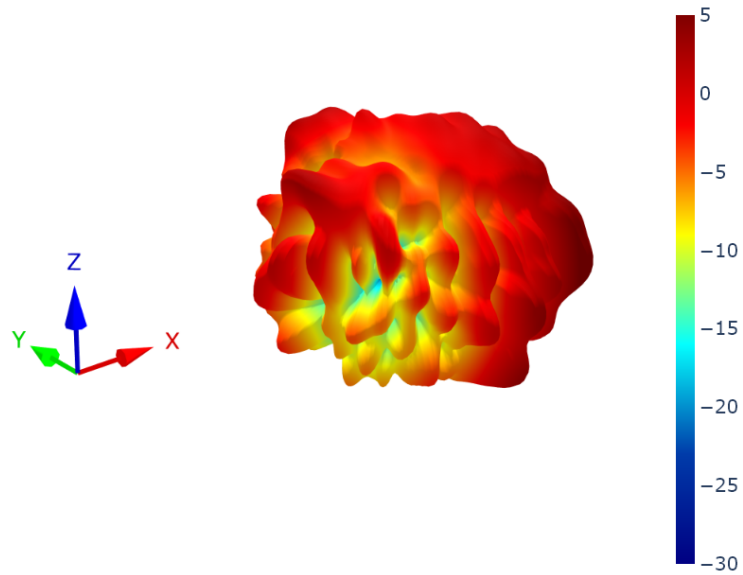
7.123 Wi-Fi4 Patterns at 6525 MHz



7.124 Wi-Fi5 Patterns at 6525 MHz



7.125 Wi-Fi6 Patterns at 6525 MHz



Changelog for the datasheet

SPE-24-8-195 - MAX1016.W.001

Revision: A (Original First Release)

Date: 2024-08-19

Notes: Initial Release

Author: Gary West

Previous Revisions



www.taoglas.com

