

Datasheet



Part No:
TU.66.3H31

Description

Terminal Mount Wideband Antenna with N-Type Connector
Covering 600MHz-8000MHz for 5G/4G and Wi-Fi 6/7 Bands

Features:

Covers all Global Cellular Bands from 600-8000MHz
Covers 2.4, 5.8 and 7.125GHz Wi-Fi Bands
Robust IP67 Waterproof Enclosure
Connector: N-Type(M)
Dims: 125 x Ø22.8
RoHS & Reach Compliant

| | |
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Changelog

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Ireland & USA
ISO 9001:2015
Certified



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046
QUALITY MANAGEMENT SYSTEMS
IATF16949



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1. Introduction



The Taoglas TU.66 is a compact, high-performance, unique terminal mount, wideband cellular antenna designed to cover all global 5G, 4G and Wi-Fi Bands between 600 and 8000MHz. It supports all major cellular carriers and Wi-Fi bands including the 7.125GHz band, and delivers excellent efficiency across the full bandwidth. The robust N-Type connector ensures easy integration with terminal-mounted equipment, providing a secure and stable connection. With a high gain and an omnidirectional radiation pattern for improved signal strength, it is ideal for a variety of IoT and M2M applications.

Typical Applications Include:

- Gateways, Routers and Private LTE Networks
- In-Building Connectivity Systems
- Point of Sales Kiosks and Digital Signage
- Connected Industries and Smart Metering

The IP67 rated enclosure that is manufactured from ABS making it an ideal ruggedized solution for both indoor and outdoor environments. The TU.66 is one of several compact cellular antennas from Taoglas designed to enable easy installation in space-constrained environments without compromising on performance.

[Contact](#) your regional Taoglas customer support team for further information or samples.

2. Specification

LTE Electrical

| Band | Frequency (MHz) | Measurement | Efficiency (%) | Average Gain (dB) | Peak Gain (dBi) | Impedance | Polarization | Radiation Pattern | Max. input power |
|--|-----------------|-----------------|----------------|-------------------|-----------------|-----------|--------------|-------------------|------------------|
| 5GNR/4G Band71 | 617-698 | Metal Box_Port1 | 94.5 | -0.25 | 4.69 | | | | |
| | | Metal Box_Port2 | 75.6 | -1.21 | 3.59 | | | | |
| | | Metal Box_Port3 | 86.8 | -0.62 | 2.85 | | | | |
| 4G/3G Band 12,13,14,17,28,29 | 698-824 | Metal Box_Port1 | 90.0 | -0.46 | 4.62 | | | | |
| | | Metal Box_Port2 | 72.6 | -1.39 | 3.38 | | | | |
| | | Metal Box_Port3 | 88.7 | -0.52 | 3.21 | | | | |
| 4G/3G/NB-IoT/Cat M Band 5,8,18,19,20,26,27 | 824-960 | Metal Box_Port1 | 91.1 | -0.41 | 3.38 | | | | |
| | | Metal Box_Port2 | 68.5 | -1.65 | 2.72 | | | | |
| | | Metal Box_Port3 | 90.7 | -0.42 | 3.80 | | | | |
| 5GNR/4G Band 21,32,74,75,76 | 1427-1518 | Metal Box_Port1 | 52.7 | -2.78 | 3.24 | | | | |
| | | Metal Box_Port2 | 34.7 | -4.59 | 1.03 | | | | |
| | | Metal Box_Port3 | 58.1 | -2.36 | 2.79 | | | | |
| 4G/3G Band 1,2,3,4,9,23,25,35,39, 66 | 1710-2200 | Metal Box_Port1 | 82.0 | -0.86 | 5.33 | 50 Ω | Linear | Omni directional | 30W |
| | | Metal Box_Port2 | 78.6 | -1.04 | 6.13 | | | | |
| | | Metal Box_Port3 | 83.4 | -0.79 | 4.70 | | | | |
| 4G/3G Band 7,30,38,40,41 | 2300-2690 | Metal Box_Port1 | 63.2 | -1.99 | 2.88 | | | | |
| | | Metal Box_Port2 | 63.7 | -1.96 | 3.38 | | | | |
| | | Metal Box_Port3 | 65.6 | -1.83 | 2.78 | | | | |
| 5GNR/4G Band 22,42,48,77,78,79 | 3300-5000 | Metal Box_Port1 | 65.5 | -1.84 | 6.86 | | | | |
| | | Metal Box_Port2 | 69.4 | -1.59 | 7.76 | | | | |
| | | Metal Box_Port3 | 66.7 | -1.76 | 7.04 | | | | |
| LTE5200/Wi-Fi5800 | 5150-5925 | Metal Box_Port1 | 72.7 | -1.39 | 8.28 | | | | |
| | | Metal Box_Port2 | 75.7 | -1.21 | 8.75 | | | | |
| | | Metal Box_Port3 | 74.5 | -1.28 | 8.47 | | | | |
| WiFi - 6GHz | 5925-7125 | Metal Box_Port1 | 66.9 | -1.74 | 7.78 | | | | |
| | | Metal Box_Port2 | 67.3 | -1.72 | 8.50 | | | | |
| | | Metal Box_Port3 | 68.2 | -1.66 | 7.61 | | | | |

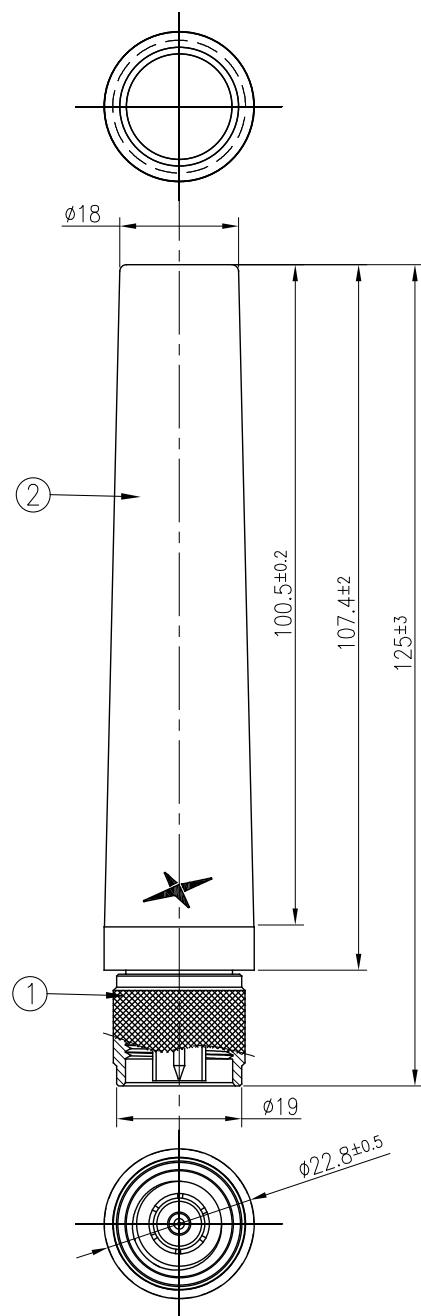
*Tested through 3 ports on a metal box as seen in the test set-up photos which represents a router. See section 8 for more test scenarios.

| 5G/4G Bands | | | | | |
|-------------|---|------------------|-----------------|-----------------|-----------------|
| Band Number | 5GNR / FR1 / LTE / LTE-Advanced / WCDMA / HSPA / HSPA+ / TD-SCDMA | | | | |
| | Uplink | Downlink | Metal Box_Port1 | Metal Box_Port2 | Metal Box_Port3 |
| B1 | 1920 to 1980 | 2110 to 2170 | ✓ | ✓ | ✓ |
| B2 | 1850 to 1910 | 1930 to 1990 | ✓ | ✓ | ✓ |
| B3 | 1710 to 1785 | 1805 to 1880 | ✓ | ✓ | ✓ |
| B4 | 1710 to 1755 | 2110 to 2155 | ✓ | ✓ | ✓ |
| B5 | 824 to 849 | 869 to 894 | ✓ | ✓ | ✓ |
| B7 | 2500 to 2570 | 2620 to 2690 | ✓ | ✓ | ✓ |
| B8 | 880 to 915 | 925 to 960 | ✓ | ✓ | ✓ |
| B9* | 1749.9 to 1784.9 | 1844.9 to 1879.9 | ✓ | ✓ | ✓ |
| B11 | 1427.9 to 1447.9 | 1475.9 to 1495.9 | ✓ | ✓ | ✓ |
| B12 | 699 to 716 | 729 to 746 | ✓ | ✓ | ✓ |
| B13 | 777 to 787 | 746 to 756 | ✓ | ✓ | ✓ |
| B14 | 788 to 798 | 758 to 768 | ✓ | ✓ | ✓ |
| B17 | 704 to 716 | 734 to 746 | ✓ | ✓ | ✓ |
| B18 | 815 to 830 | 860 to 875 | ✓ | ✓ | ✓ |
| B19 | 830 to 845 | 875 to 890 | ✓ | ✓ | ✓ |
| B20 | 832 to 862 | 791 to 821 | ✓ | ✓ | ✓ |
| B21 | 1447.9 to 1462.9 | 1495.9 to 1510.9 | ✓ | ✓ | ✓ |
| B22* | 3410 to 3490 | 3510 to 3590 | ✓ | ✓ | ✓ |
| B23* | 2000 to 2020 | 2180 to 2200 | ✓ | ✓ | ✓ |
| B24 | 1626.5 to 1660.5 | 1525 to 1559 | ✓ | ✓ | ✓ |
| B25 | 1850 to 1915 | 1930 to 1995 | ✓ | ✓ | ✓ |
| B26 | 814 to 849 | 859 to 894 | ✓ | ✓ | ✓ |
| B27* | 807 to 824 | 852 to 869 | ✓ | ✓ | ✓ |
| B28 | 703 to 748 | 758 to 803 | ✓ | ✓ | ✓ |
| B29 | 717 to 728 | | ✓ | ✓ | ✓ |
| B30 | 2305 to 2315 | 2350 to 2360 | ✓ | ✓ | ✓ |
| B31 | 452.5 to 457.5 | 462.5 to 467.5 | ✗ | ✗ | ✗ |
| B32 | 1452 to 1496 | | ✓ | ✓ | ✓ |
| B34 | 2010 to 2025 | | ✓ | ✓ | ✓ |
| B35 | 1850 to 1910 | | ✓ | ✓ | ✓ |
| B36 | 1930 to 1990 | | ✓ | ✓ | ✓ |
| B37 | 1910 to 1930 | | ✓ | ✓ | ✓ |
| B38 | 2570 to 2620 | | ✓ | ✓ | ✓ |
| B39 | 1880 to 1920 | | ✓ | ✓ | ✓ |
| B40 | 2300 to 2400 | | ✓ | ✓ | ✓ |
| B41 | 2496 to 2690 | | ✓ | ✓ | ✓ |
| B42 | 3400 to 3600 | | ✓ | ✓ | ✓ |
| B43 | 3600 to 3800 | | ✓ | ✓ | ✓ |
| B45 | 1447 to 1467 | | ✓ | ✓ | ✓ |
| B46 | 5150 to 5925 | | ✓ | ✓ | ✓ |
| B47 | 5855 to 5925 | | ✓ | ✓ | ✓ |
| B48 | 3550 to 3700 | | ✓ | ✓ | ✓ |
| B49 | 3550 to 3700 | | ✓ | ✓ | ✓ |
| B50 | 1432 to 1517 | | ✓ | ✓ | ✓ |
| B51 | 1427 to 1432 | | ✓ | ✓ | ✓ |
| B52 | 3300 to 3400 | | ✓ | ✓ | ✓ |
| B53 | 2483.5 to 2495 | | ✓ | ✓ | ✓ |
| B65 | 1920 to 2010 | 2110 to 2200 | ✓ | ✓ | ✓ |
| B66 | 1710 to 1780 | 2110 to 2200 | ✓ | ✓ | ✓ |
| B68 | 698 to 728 | 753 to 783 | ✓ | ✓ | ✓ |
| B69 | 2570 to 2620 | | ✓ | ✓ | ✓ |
| B70 | 1695 to 1710 | 1995 to 2020 | ✓ | ✓ | ✓ |
| B71 | 663 to 698 | 617 to 652 | ✓ | ✓ | ✓ |
| B72 | 451 to 456 | 461 to 466 | ✗ | ✗ | ✗ |
| B73 | 450 to 455 | 460 to 465 | ✗ | ✗ | ✗ |
| B74 | 1427 to 1470 | 1475 to 1518 | ✓ | ✓ | ✓ |
| B75 | 1432 to 1517 | | ✓ | ✓ | ✓ |
| B76 | 1427 to 1432 | | ✓ | ✓ | ✓ |
| B77 | 3300 to 4200 | | ✓ | ✓ | ✓ |
| B78 | 3300 to 3800 | | ✓ | ✓ | ✓ |
| B79 | 4400 to 5000 | | ✓ | ✓ | ✓ |
| B85 | 698 to 716 | 728 to 746 | ✓ | ✓ | ✓ |
| B87 | 410 to 415 | 420 to 425 | ✗ | ✗ | ✗ |
| B88 | 412 to 417 | 422 to 427 | ✗ | ✗ | ✗ |

| Mechanical | |
|------------|----------------------|
| Dimensions | Length 125 x Ø22.8mm |
| Weight | 55g |
| Material | ABS |
| Connector | N-Type (M) |

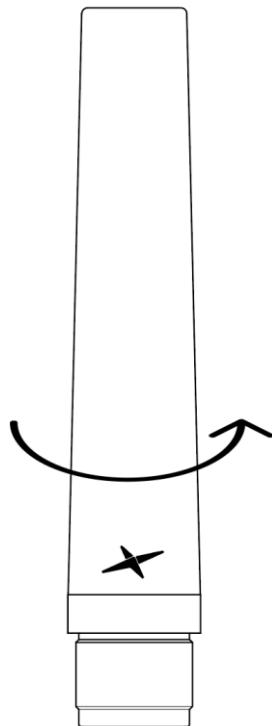
| Environmental | |
|-----------------------|----------------------------|
| Waterproof Rating | IP67 |
| Operation Temperature | -40°C to 85°C |
| Storage Temperature | -40°C to 85°C |
| Relative Humidity | Non-condensing 65°C 95% RH |

3. Mechanical Drawing



| | Name | Material | Finish | QTY |
|---|--------------|----------|-----------|-----|
| 1 | N-Type(M) | Brass | Ni plated | 1 |
| 2 | TU60 Housing | ABS+PC | Black | 1 |

4. Installation Recommendation

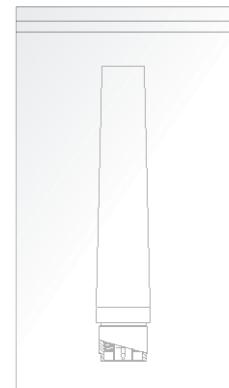


The recommended mounting torque for the TU.66 is 5 Nm

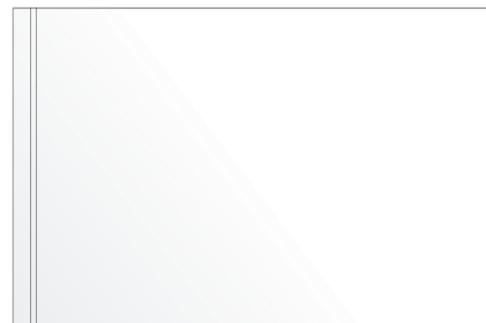
The maximum torque that can be applied is 15 Nm and anything in excess of this value may cause damage to the product.

5. Packaging

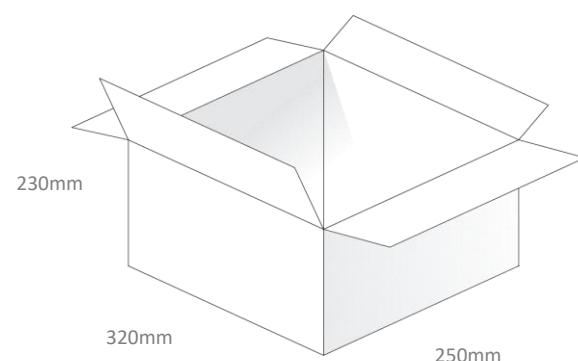
1pc TU.66.3H31 per PE Bag
Weight: 55g



50pcs TU.66.3H31 per Large PE Bag
Weight: 2.75Kg

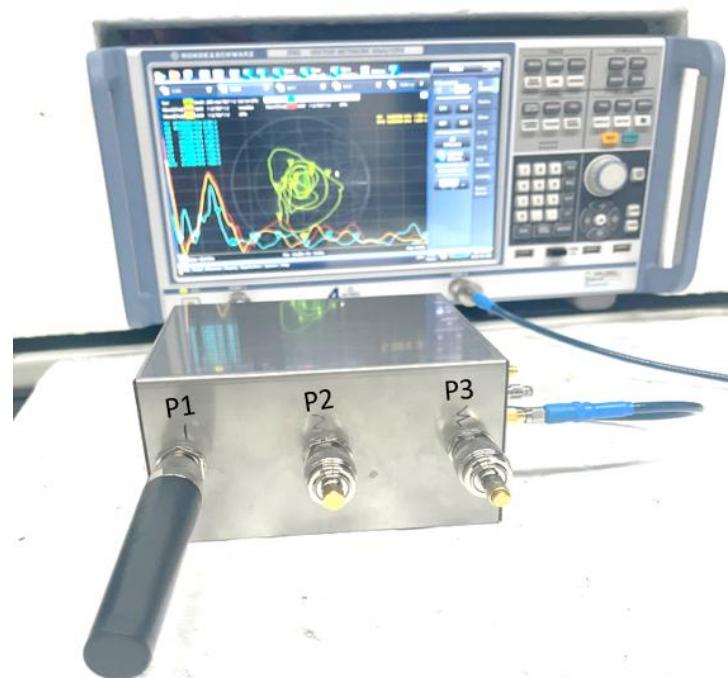
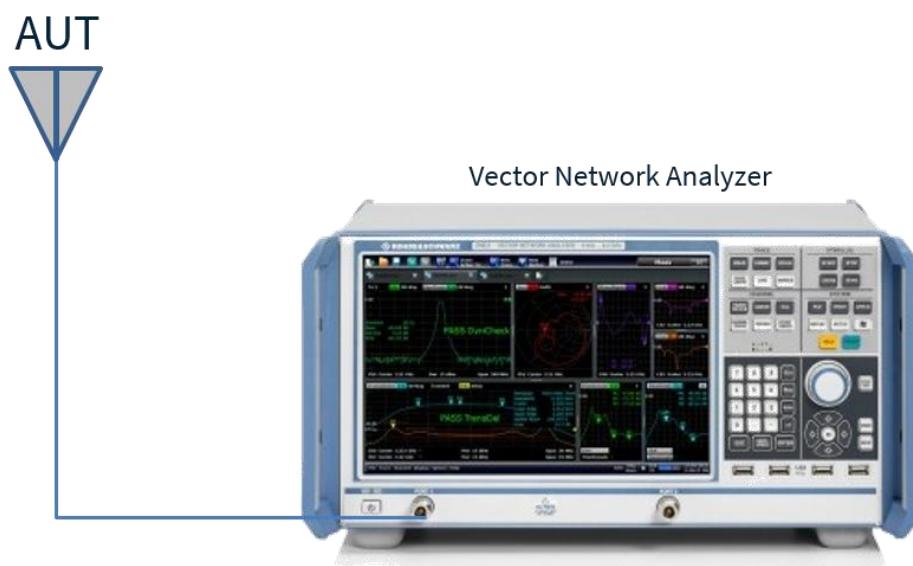


200pcs TU.66.3H31 per Carton
Dimensions: 320*250*230mm
Weight: 11Kg



6. Antenna Characteristics

6.1 Test Setup



VNA Test Set-up

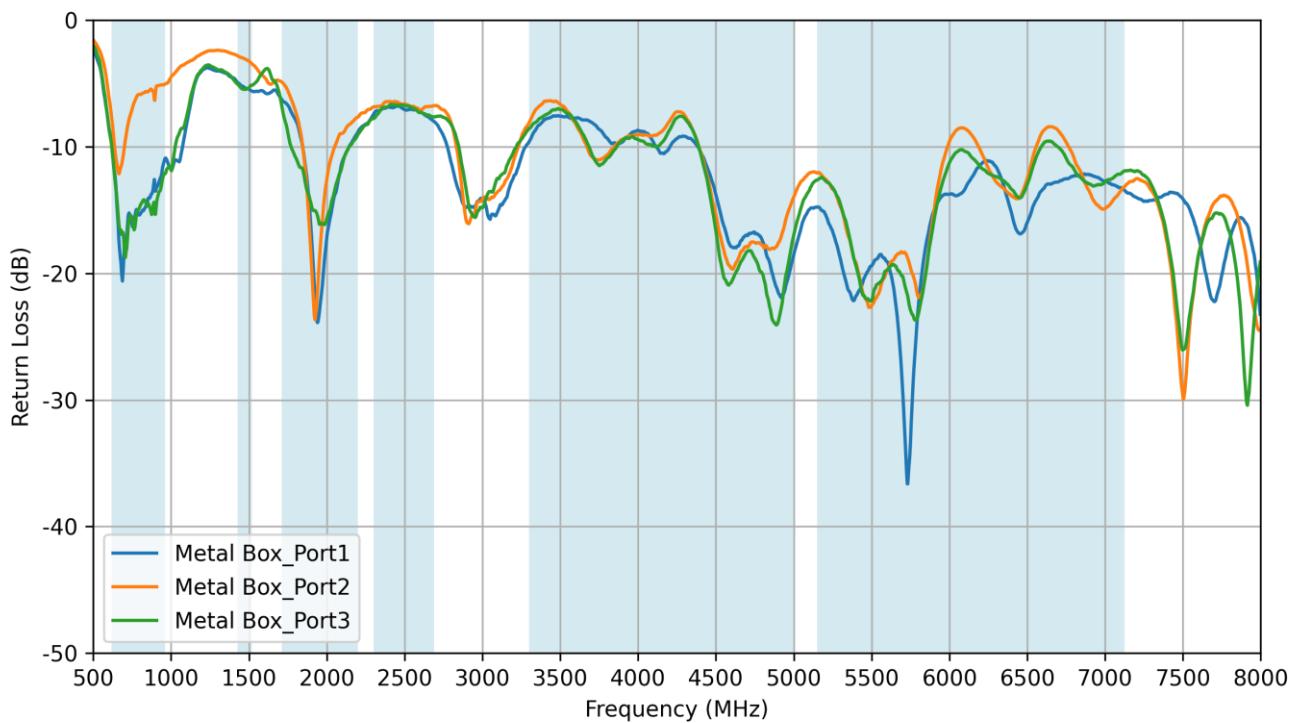
(The Metal box set up above represents a router set up)

P1: Port 1

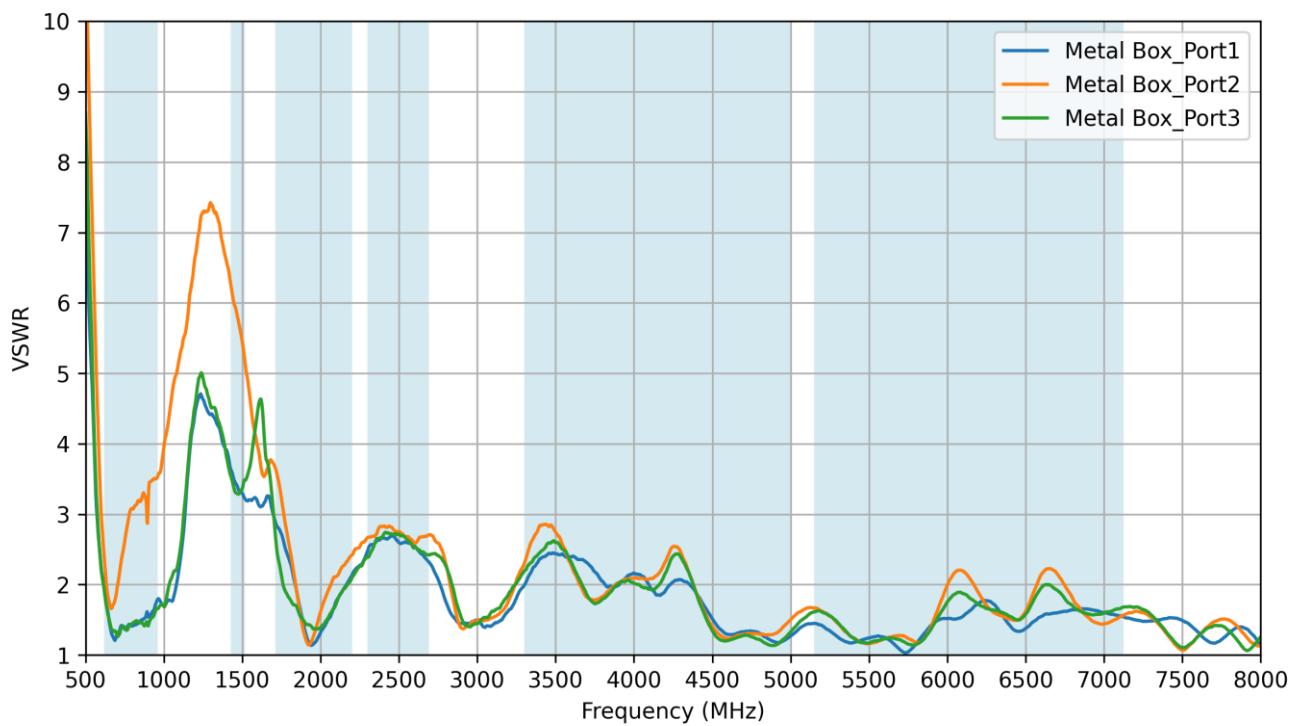
P2: Port 2

P3: Port 3

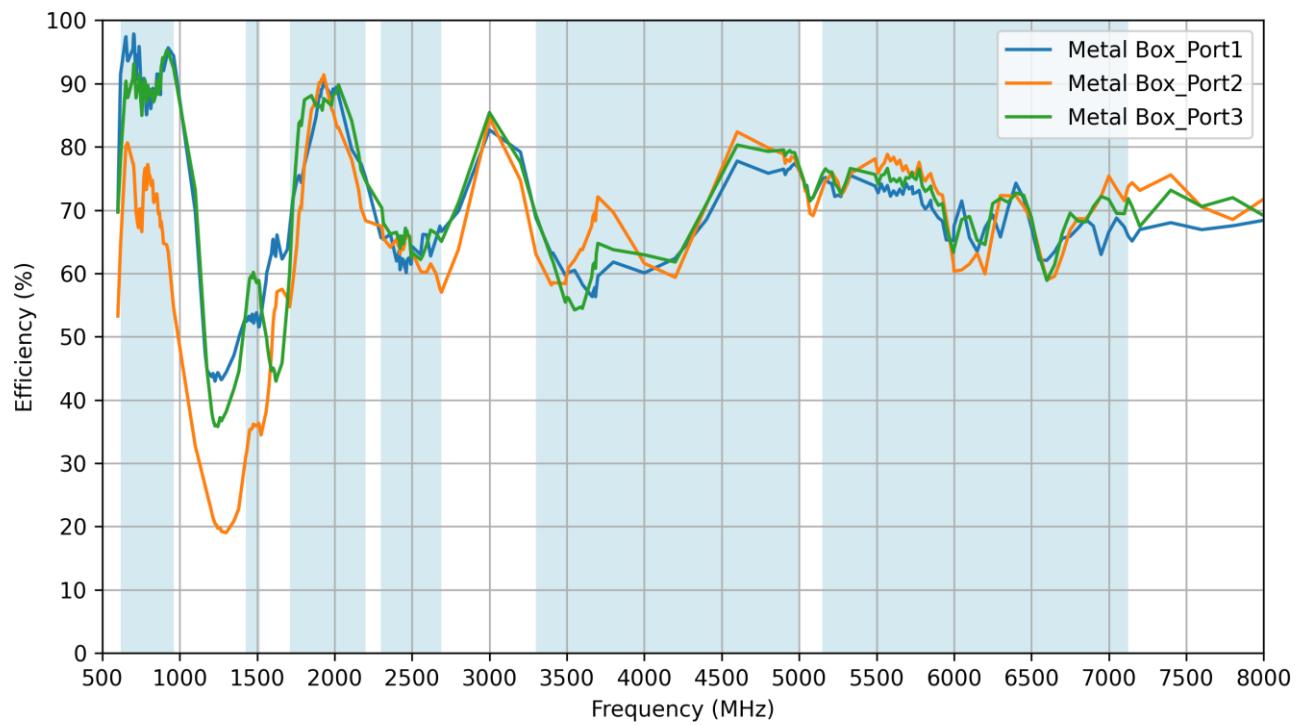
6.2 Return Loss



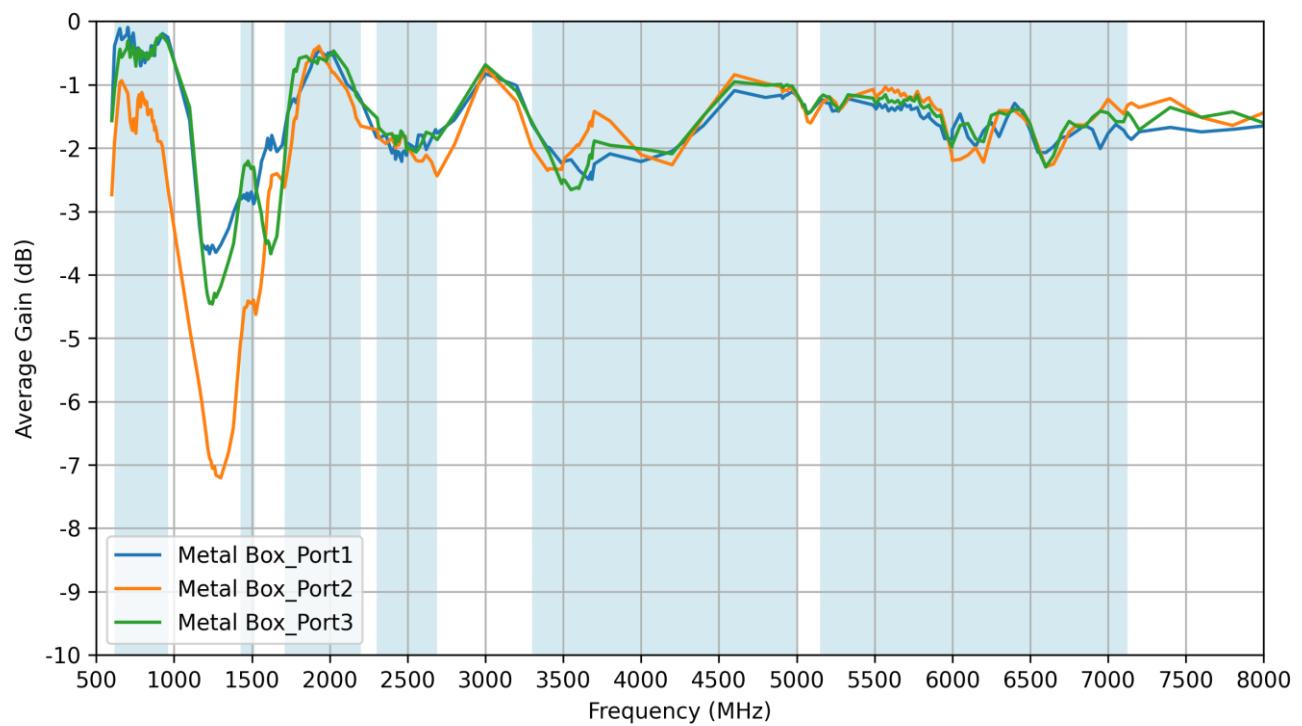
6.3 VSWR



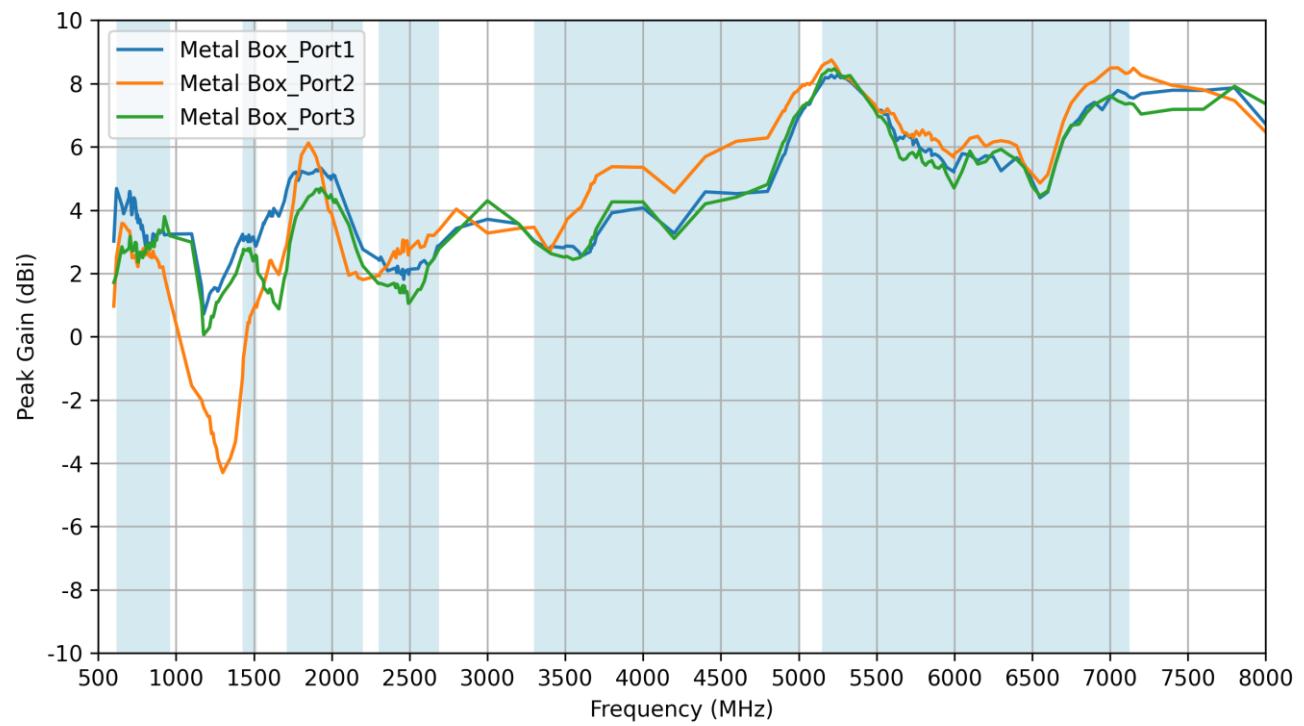
6.4 Efficiency



6.5 Average Gain

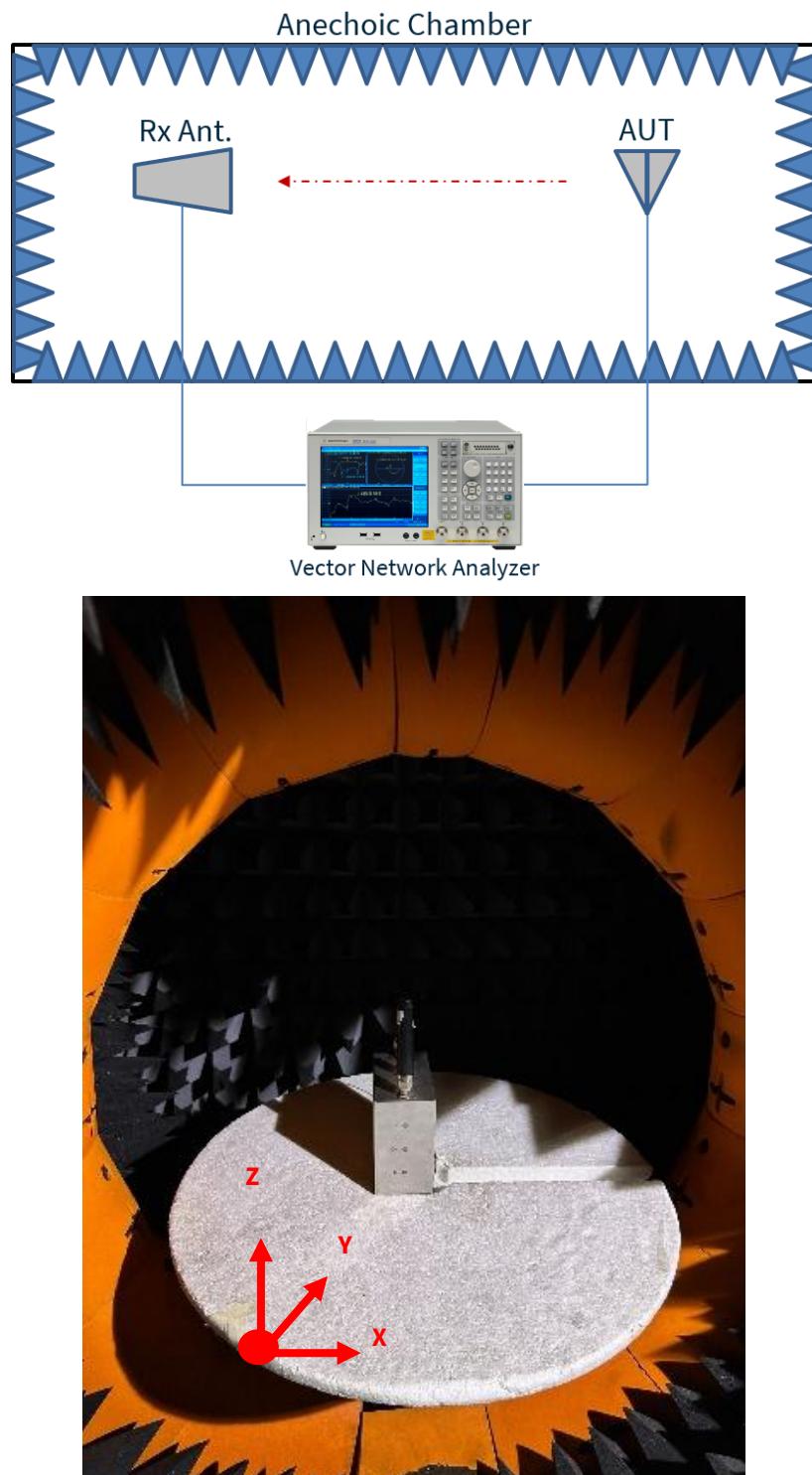


6.6 Peak Gain



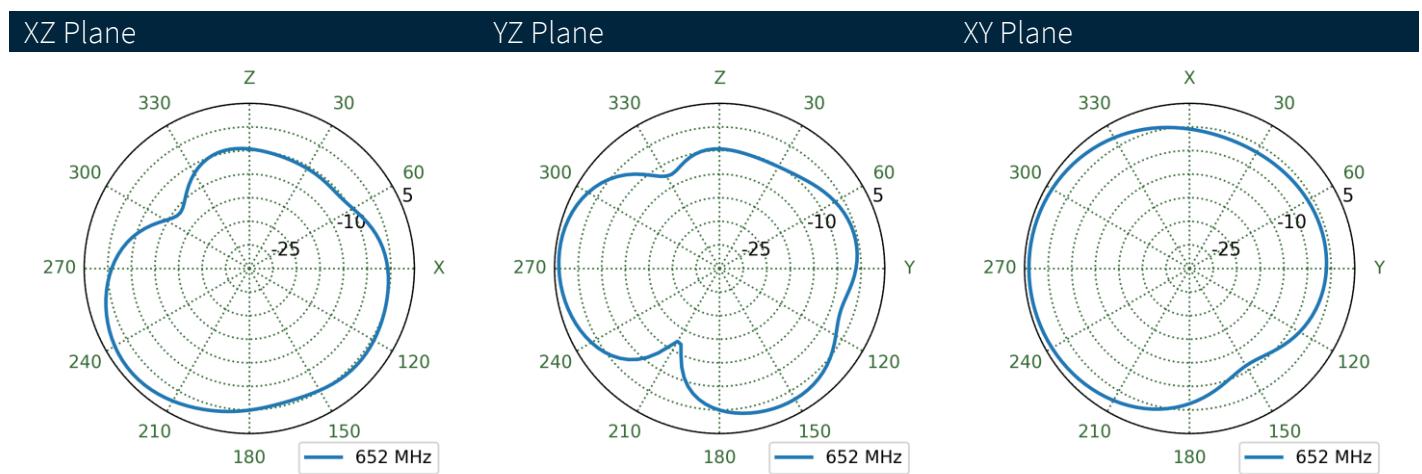
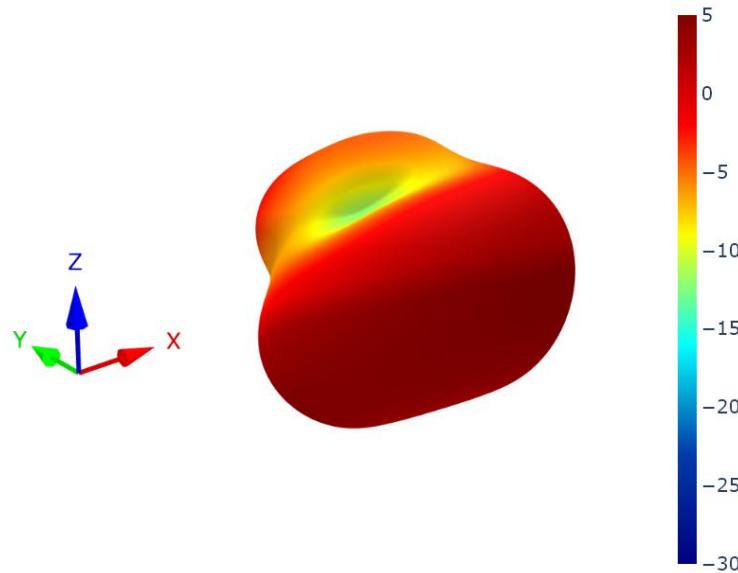
7. Radiation Patterns

7.1 Test Setup

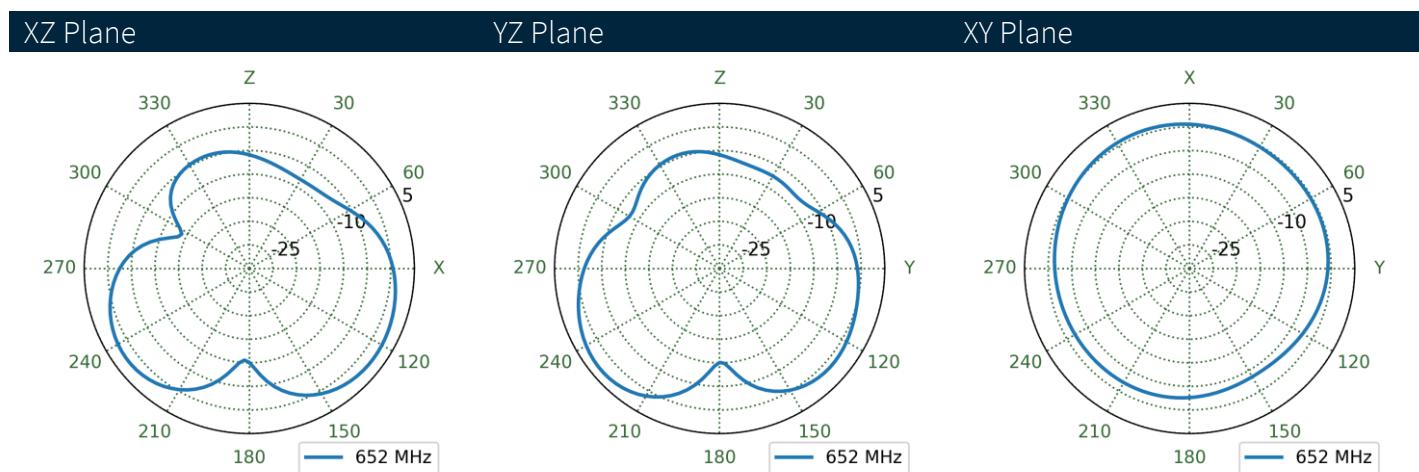
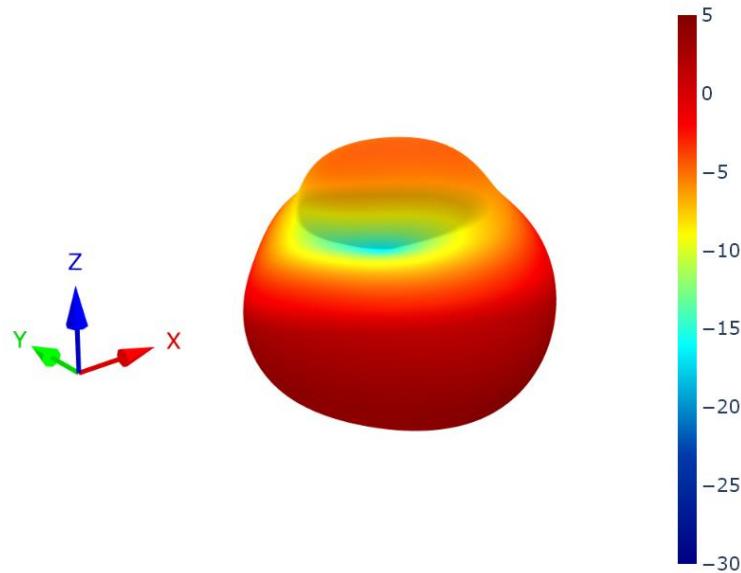


Test Set-up
(The Metal box set up above represents a router set up)

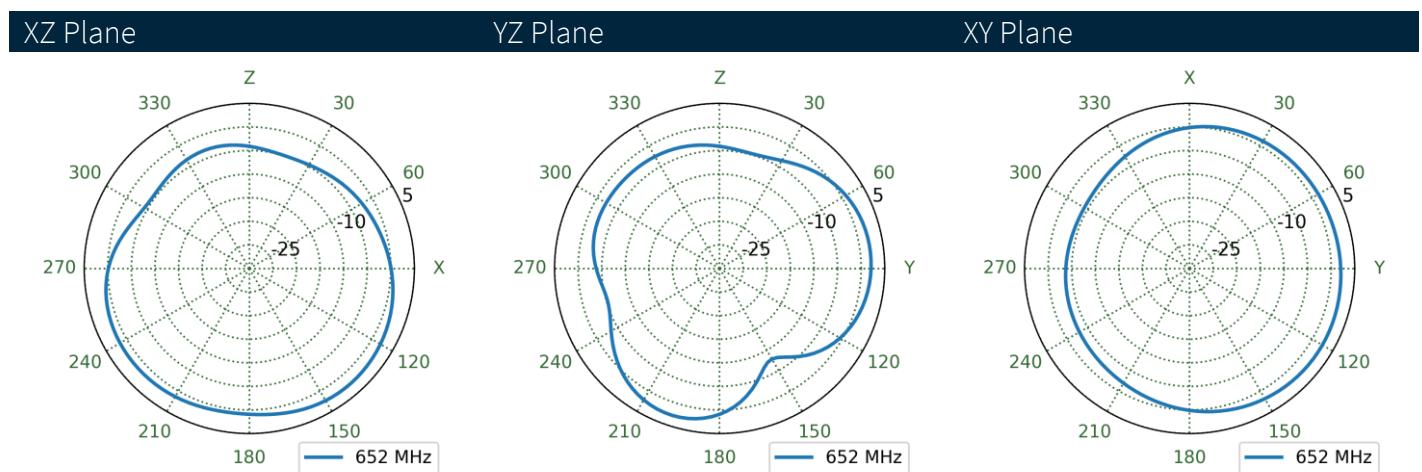
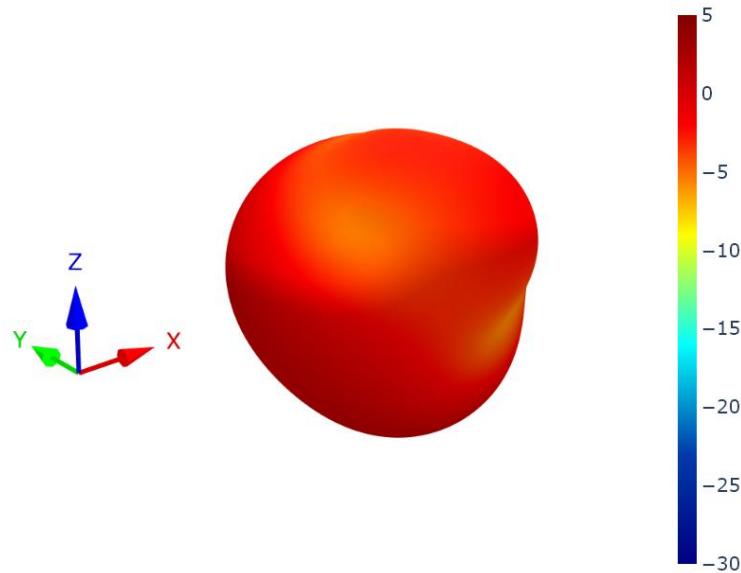
7.2 Metal Box_Port1 Patterns at 652MHz



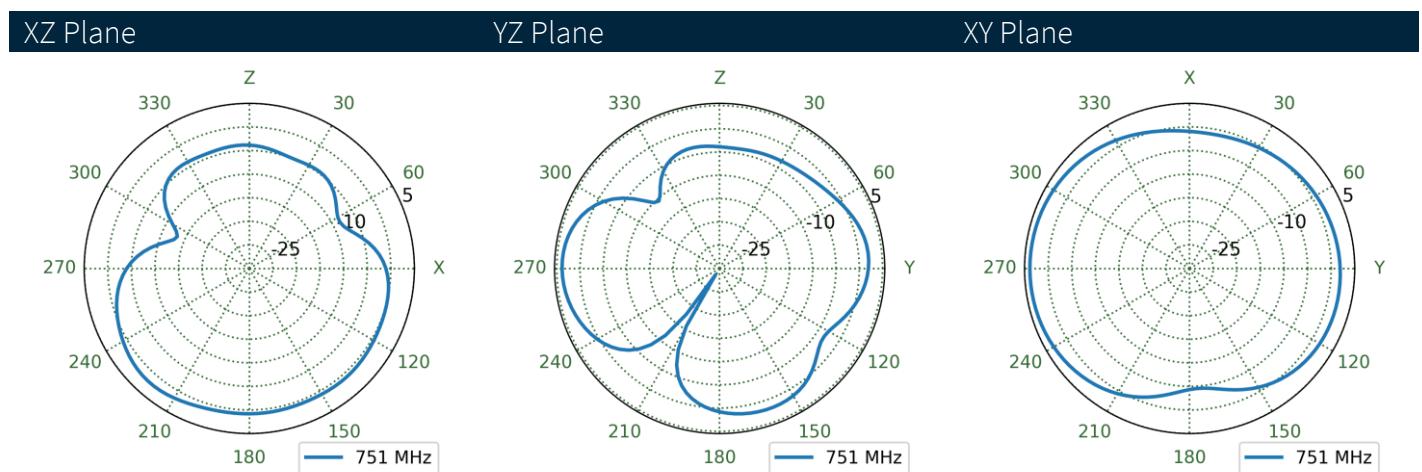
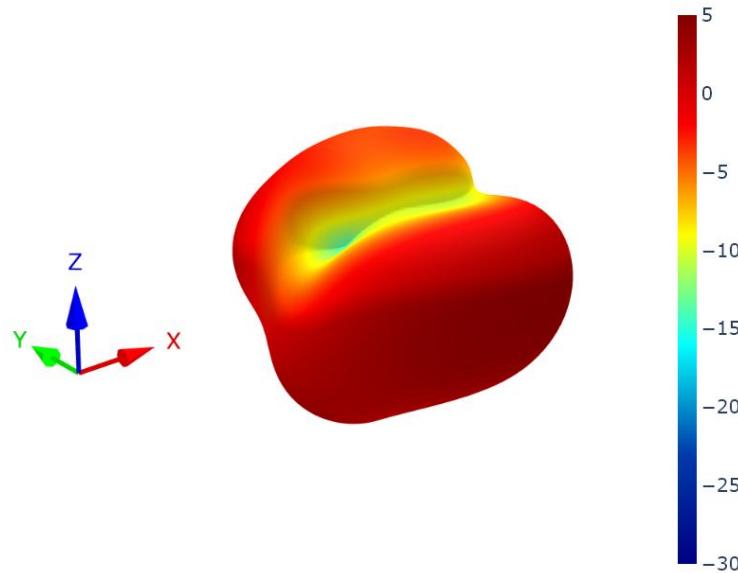
7.3 Metal Box_Port2 Patterns at 652MHz



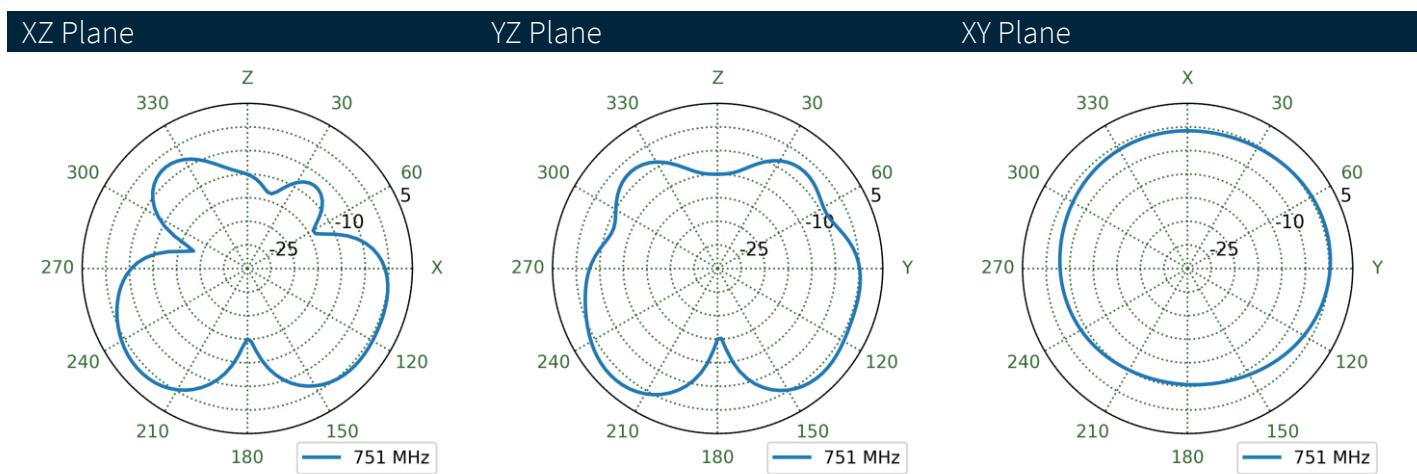
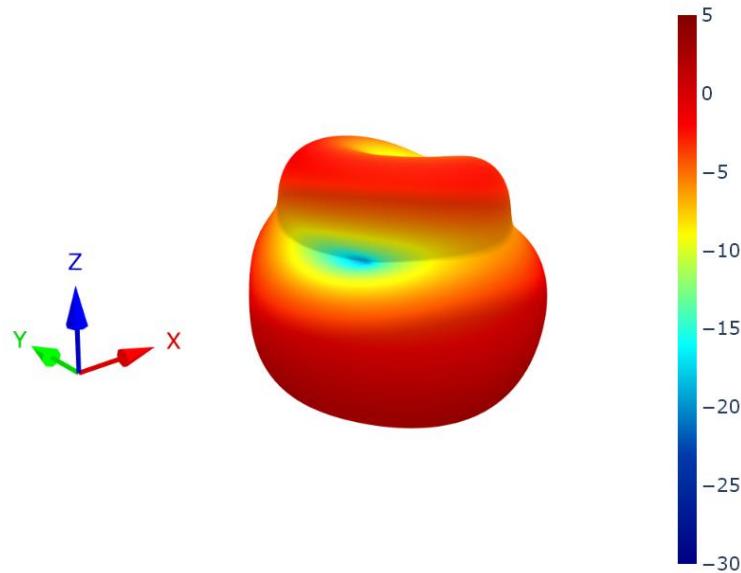
7.4 Metal Box_Port3 Patterns at 652MHz



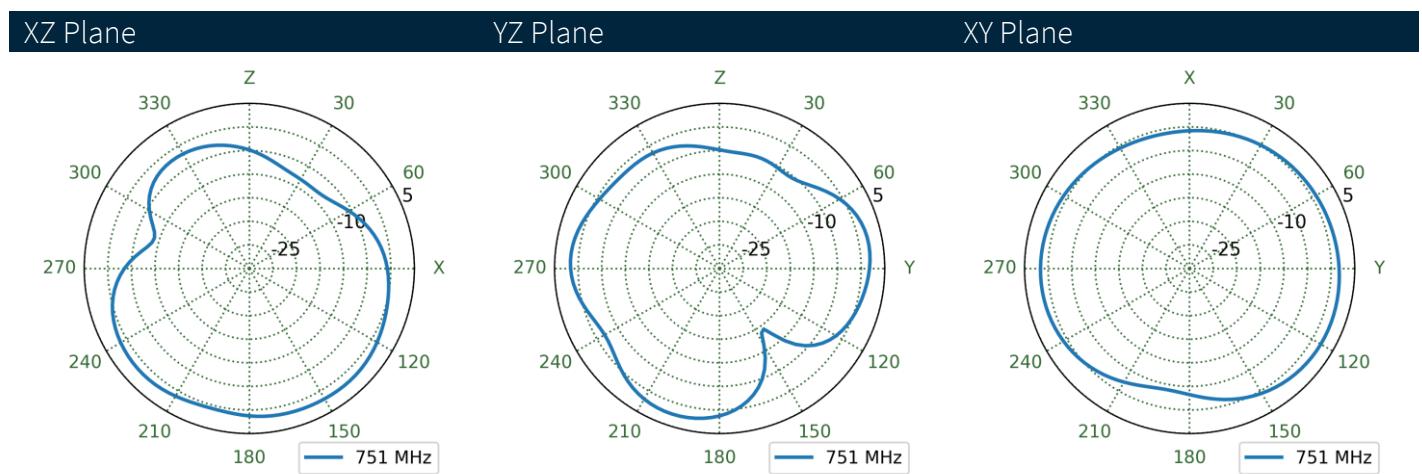
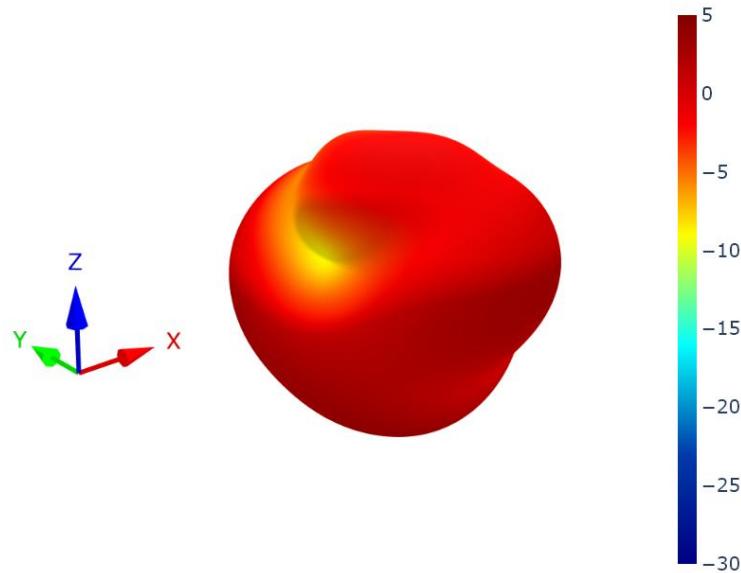
7.5 Metal Box_Port1 Patterns at 751MHz



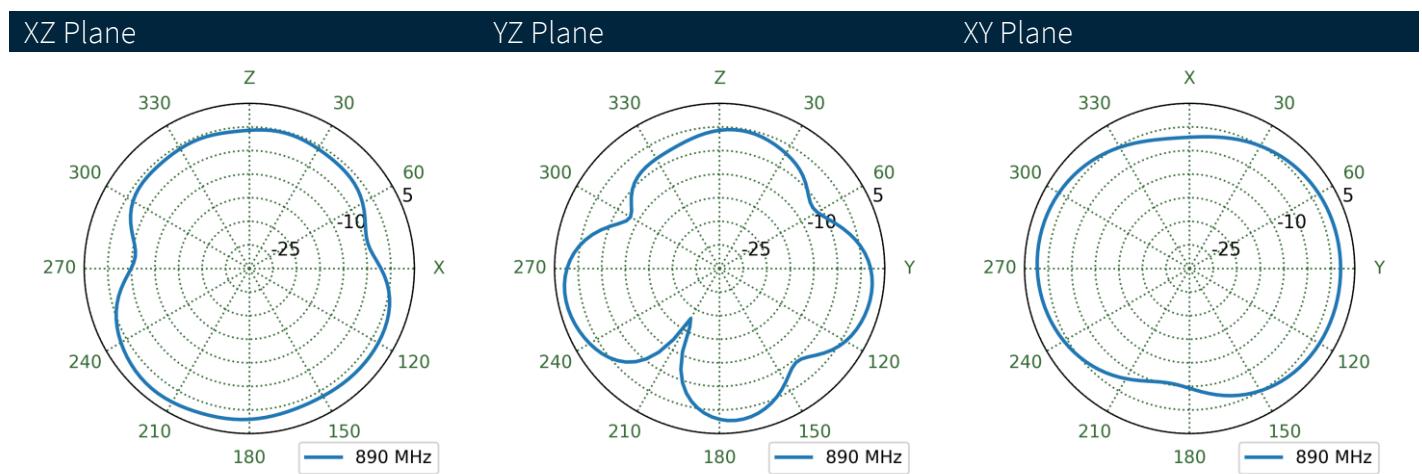
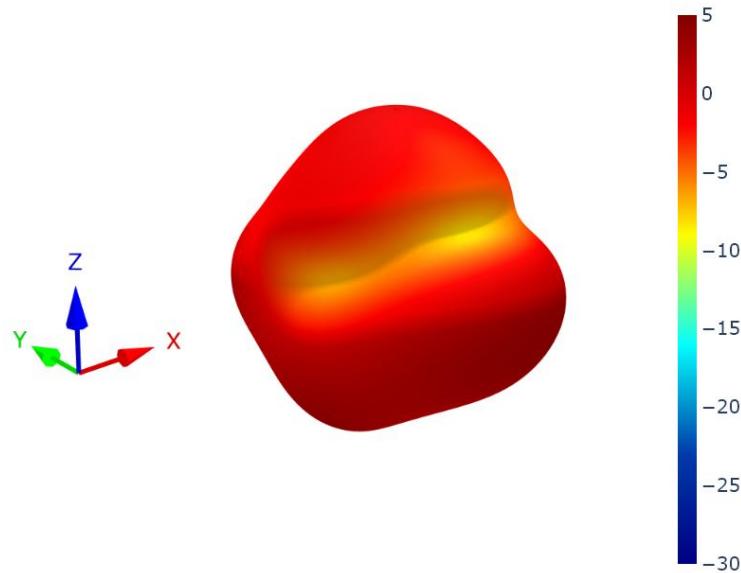
7.6 Metal Box_Port2 Patterns at 751MHz



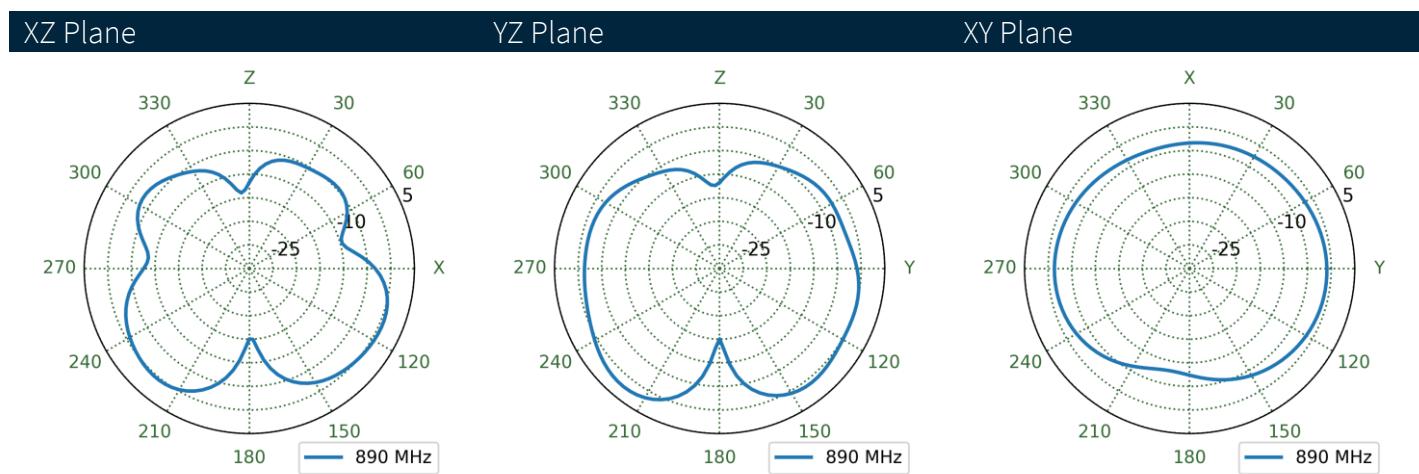
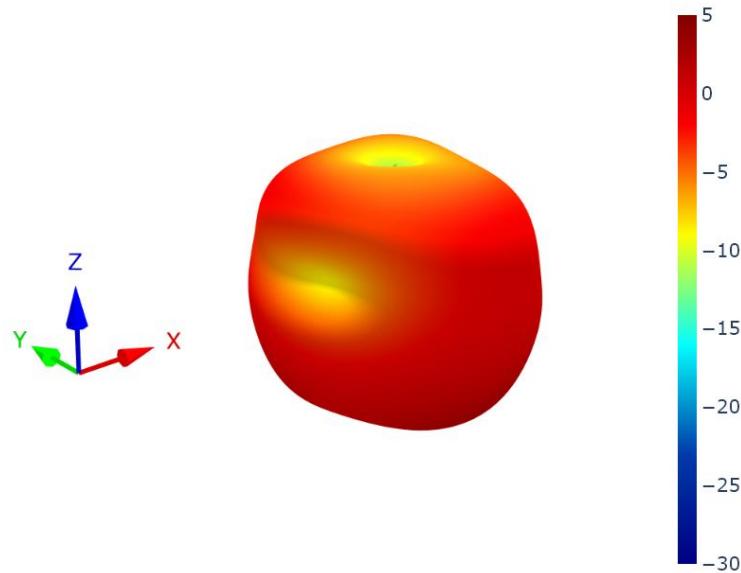
7.7 Metal Box_Port3 Patterns at 751MHz



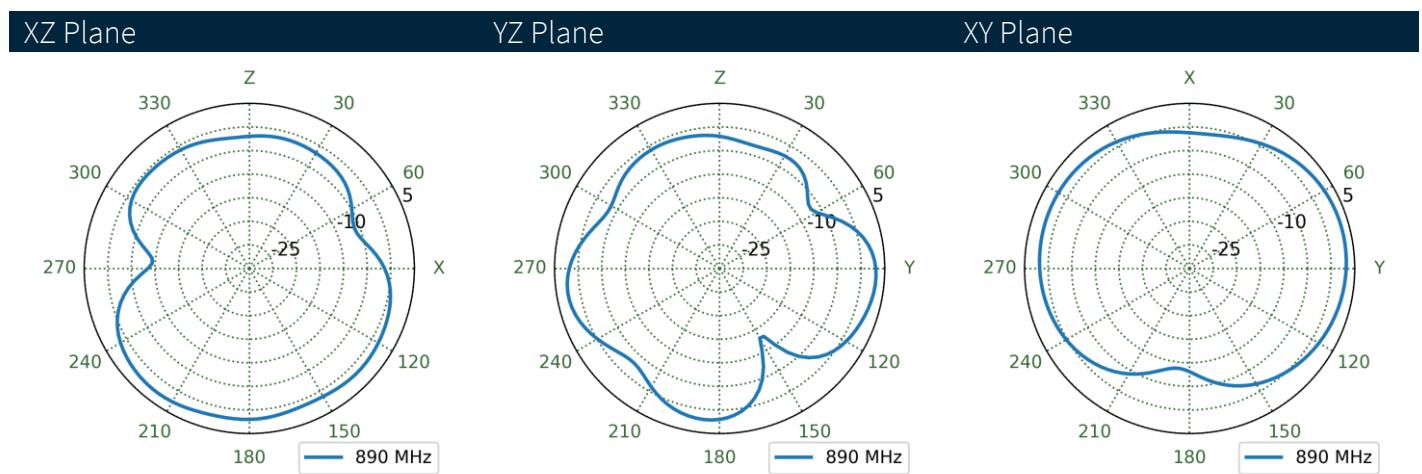
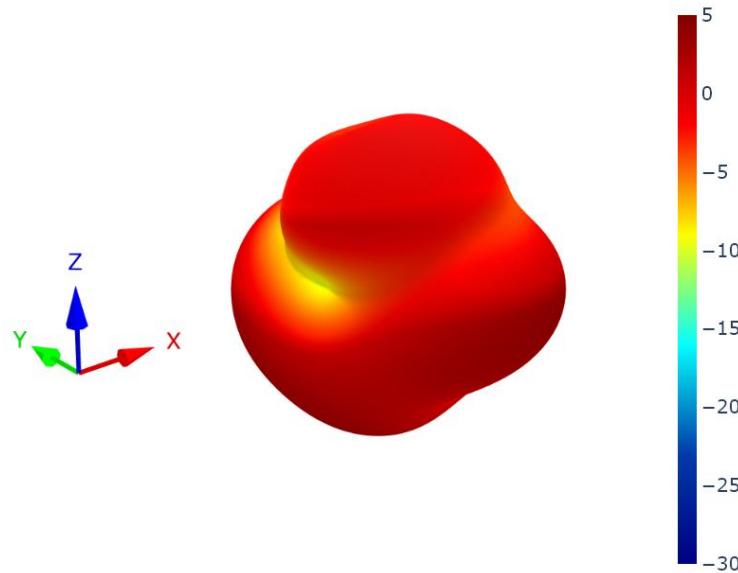
7.8 Metal Box_Port1 Patterns at 890MHz



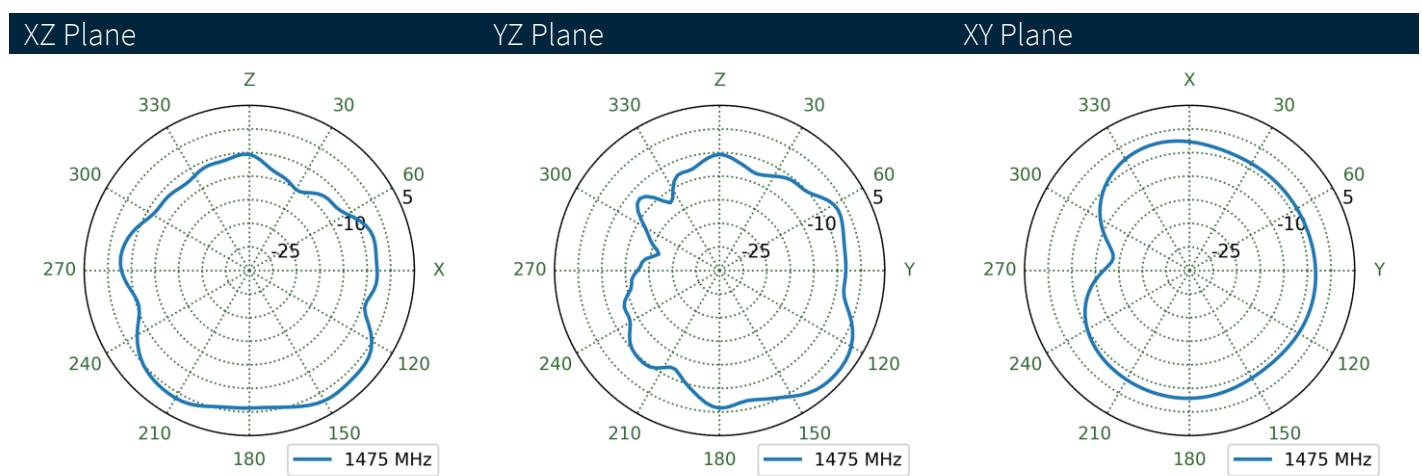
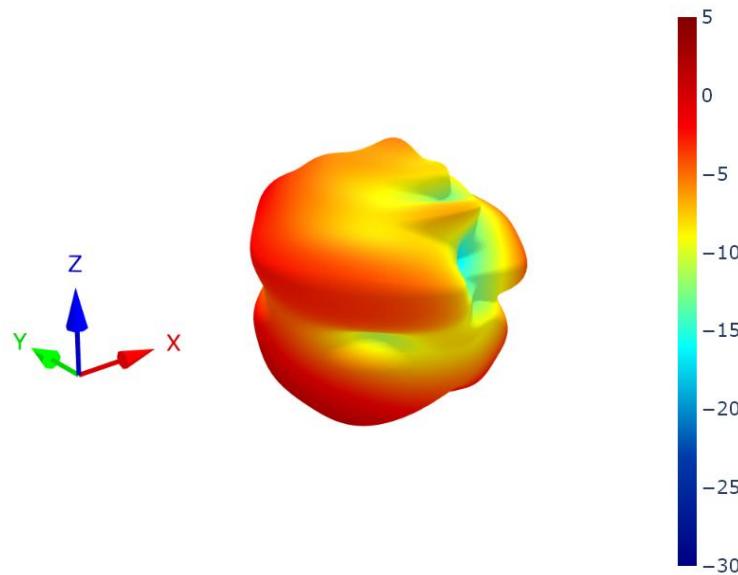
7.9 Metal Box_Port2 Patterns at 890MHz



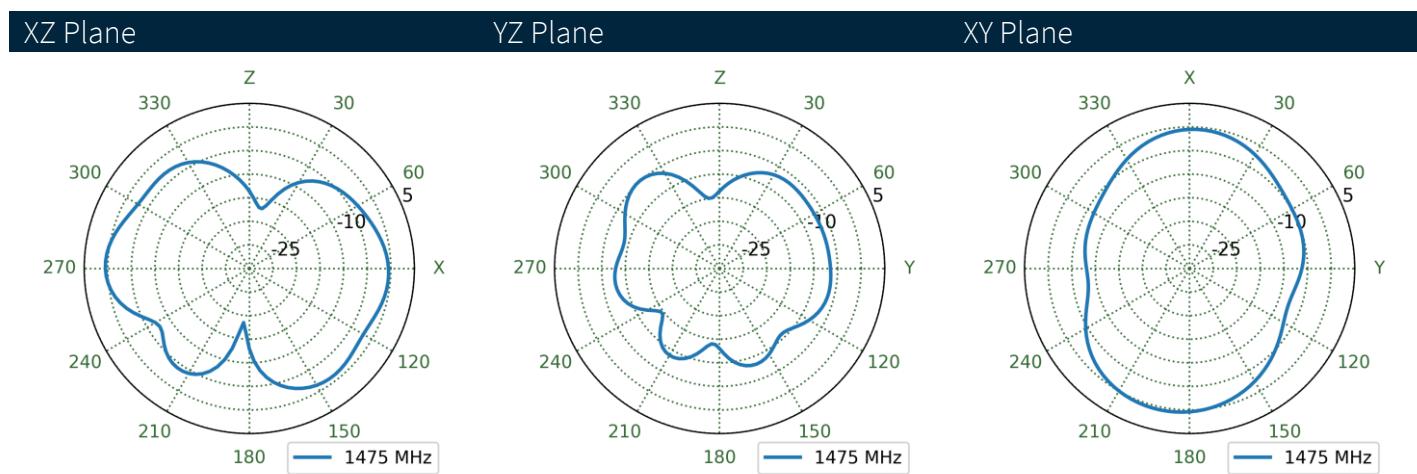
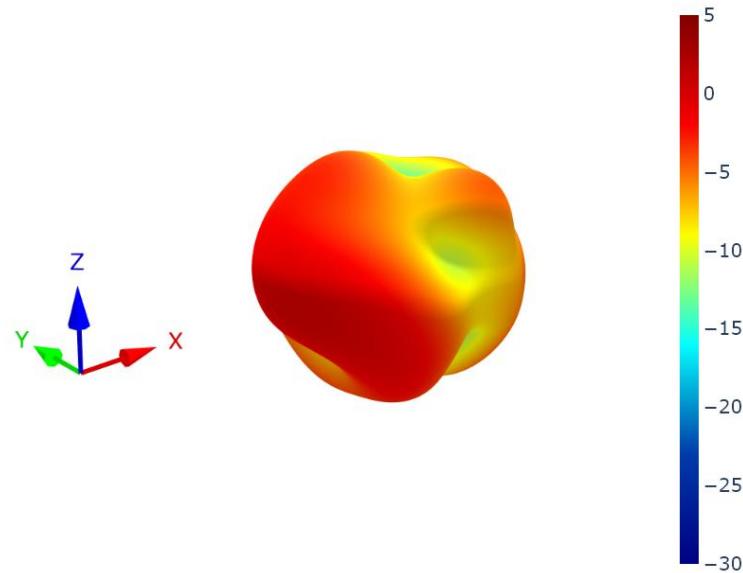
7.10 Metal Box_Port3 Patterns at 890MHz



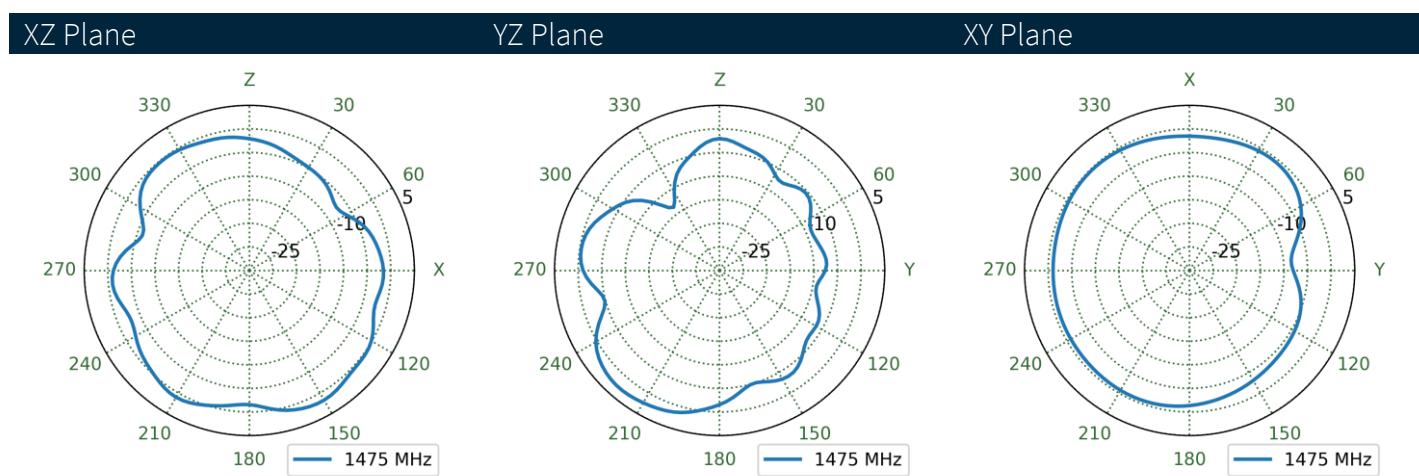
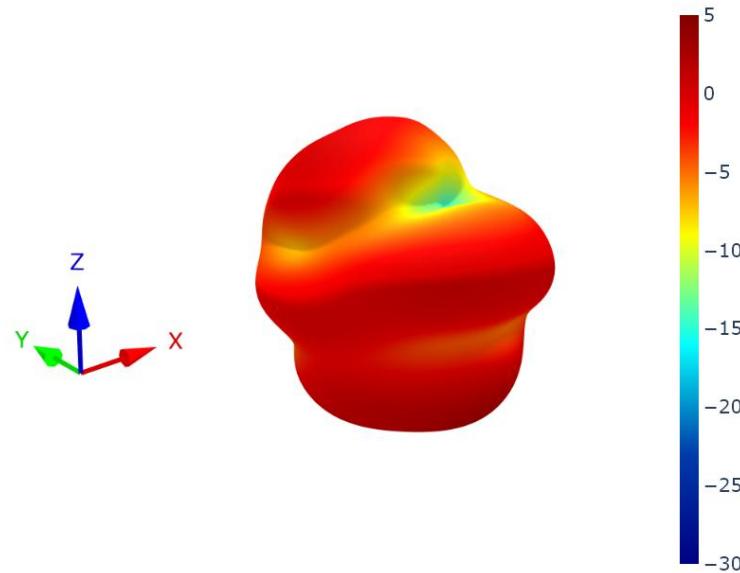
7.11 Metal Box_Port1 Patterns at 1475MHz



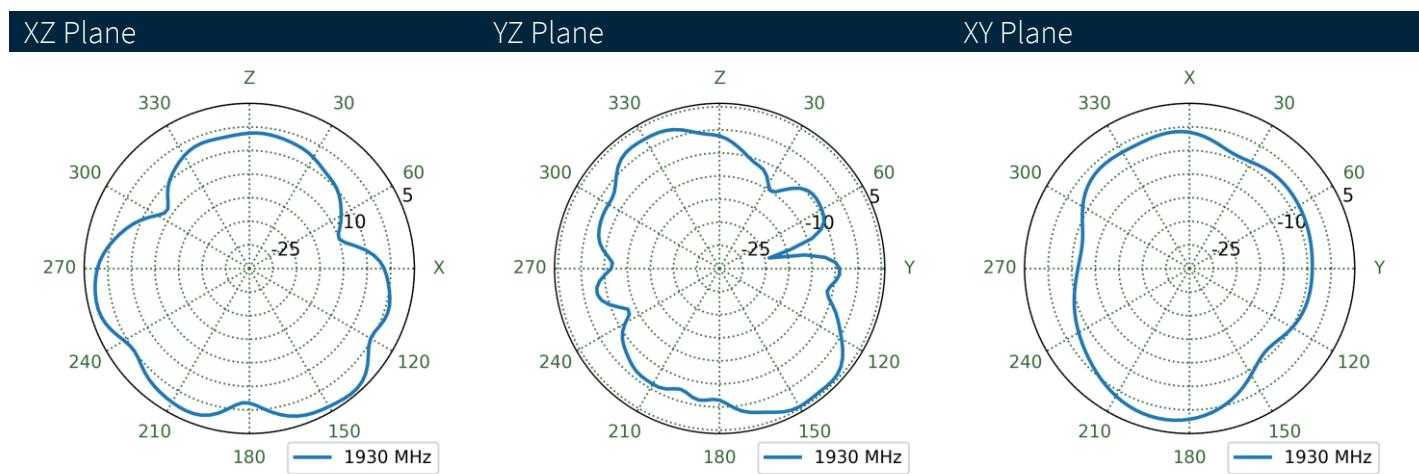
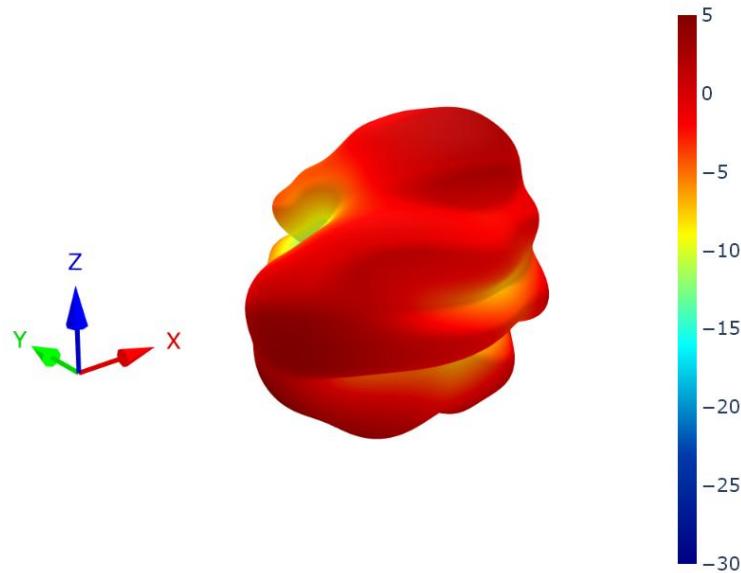
7.12 Metal Box_Port2 Patterns at 1475MHz



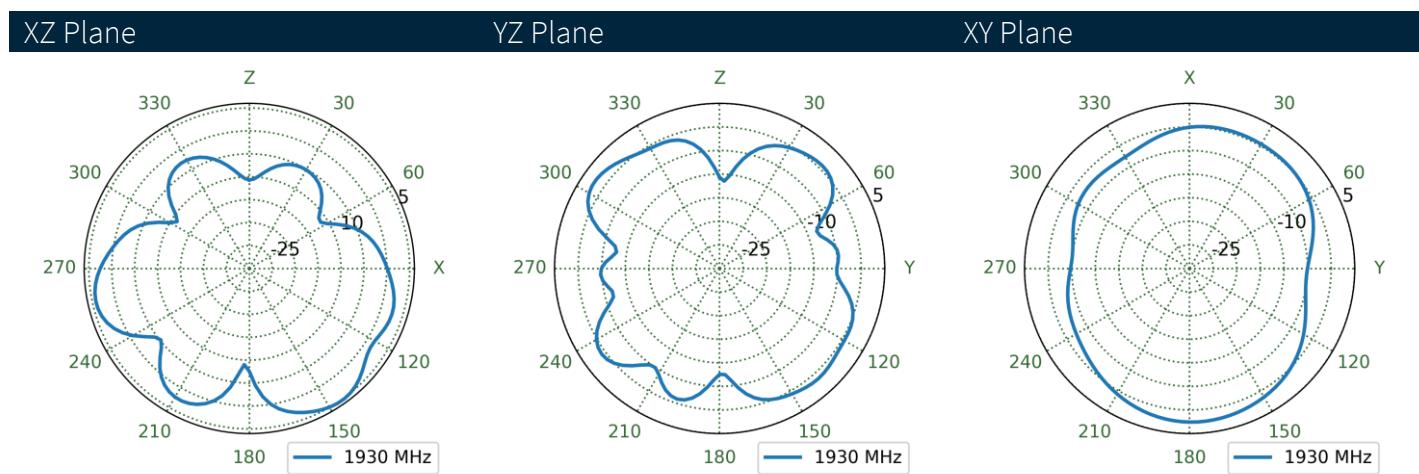
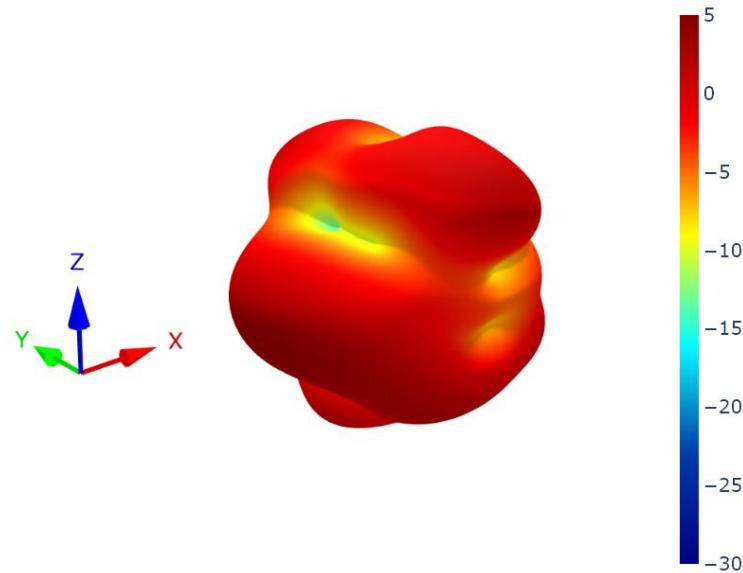
7.13 Metal Box_Port3 Patterns at 1475MHz



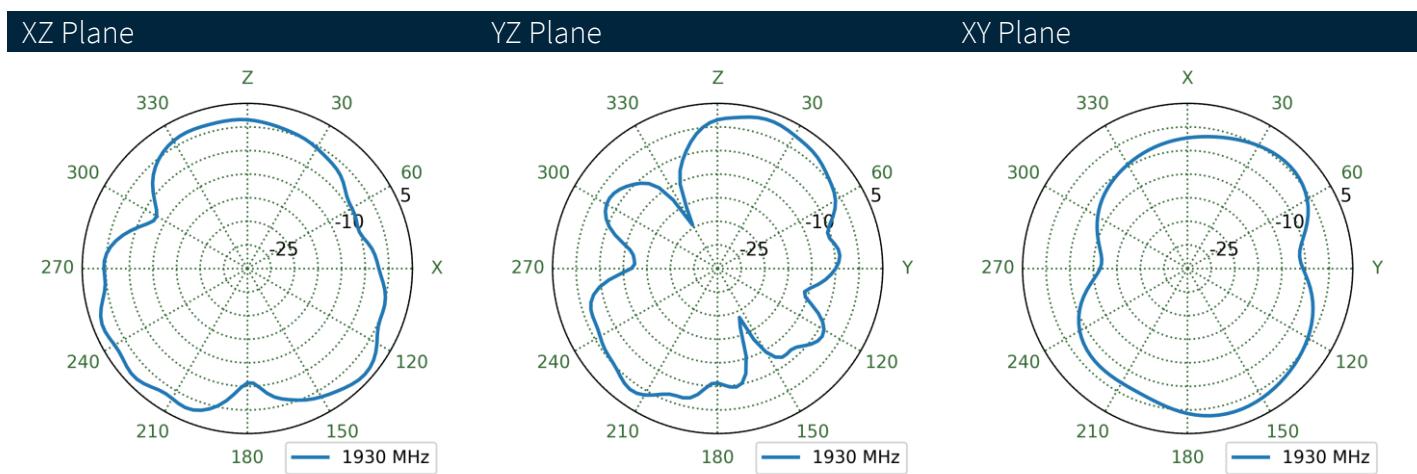
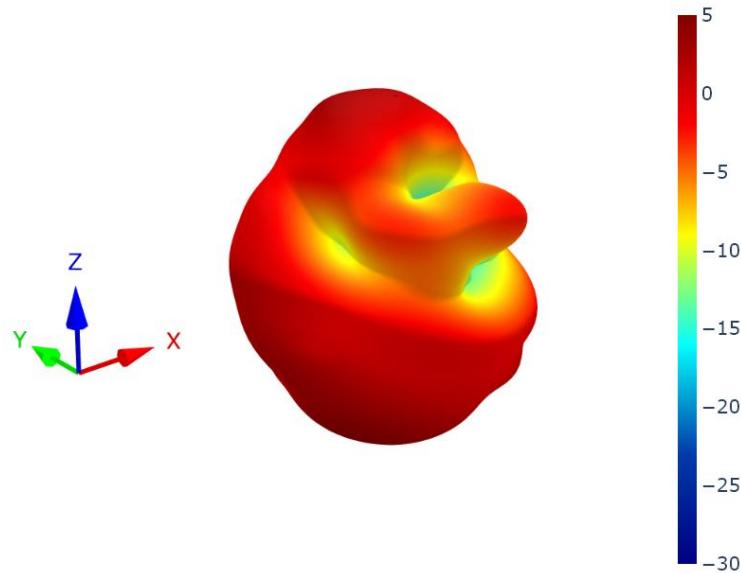
7.14 Metal Box_Port1 Patterns at 1930MHz



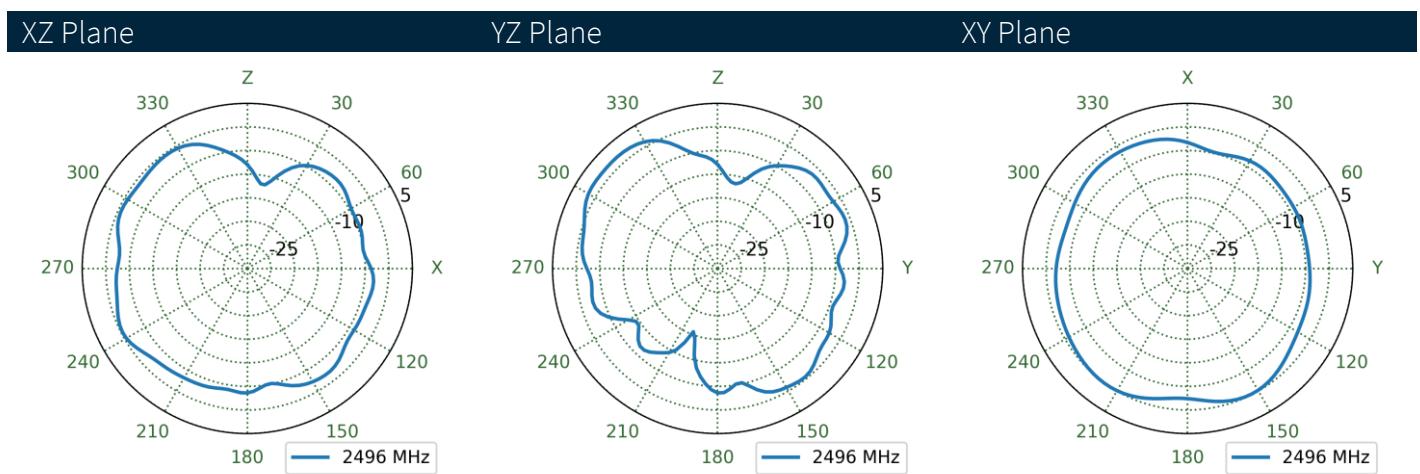
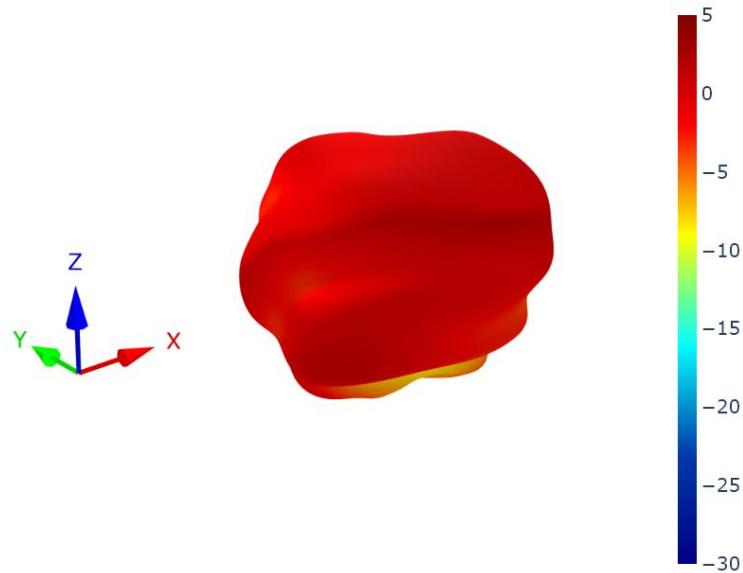
7.15 Metal Box_Port2 Patterns at 1930MHz



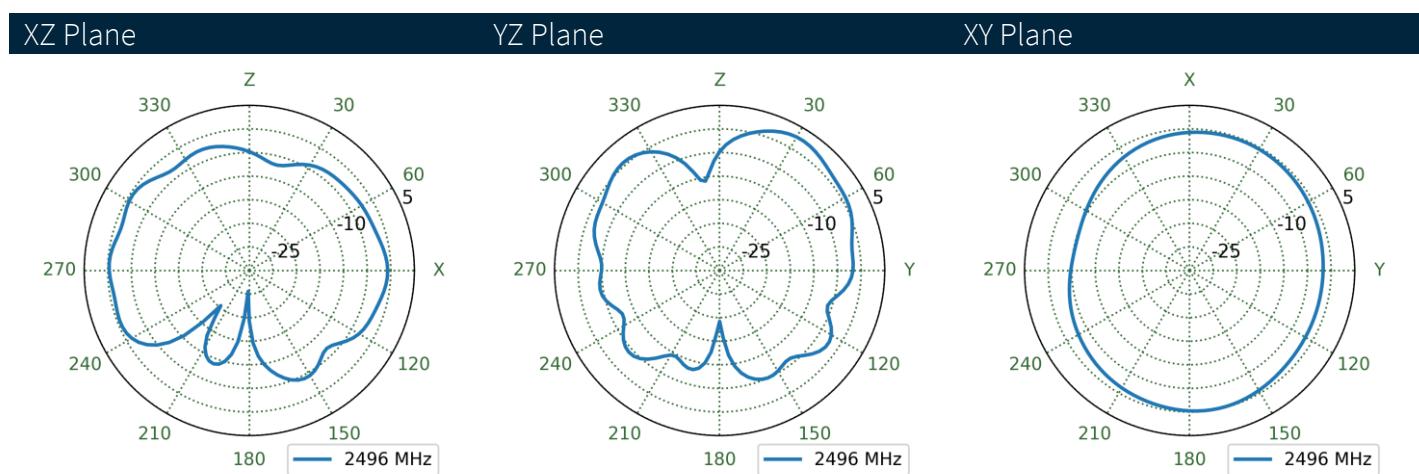
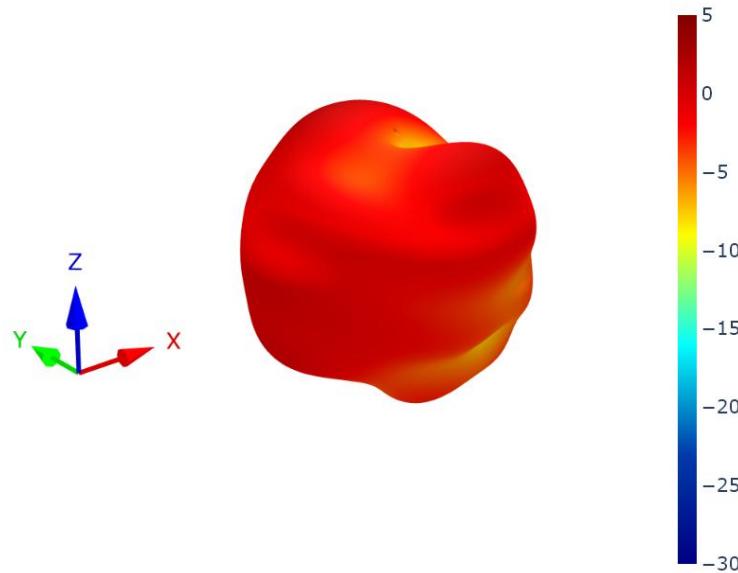
7.16 Metal Box_Port3 Patterns at 1930MHz



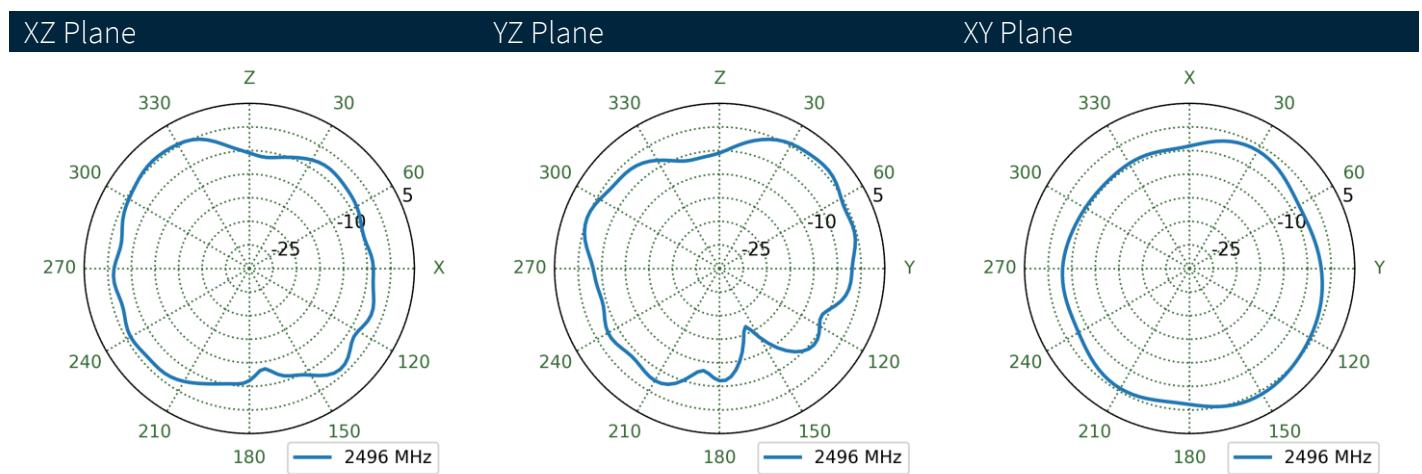
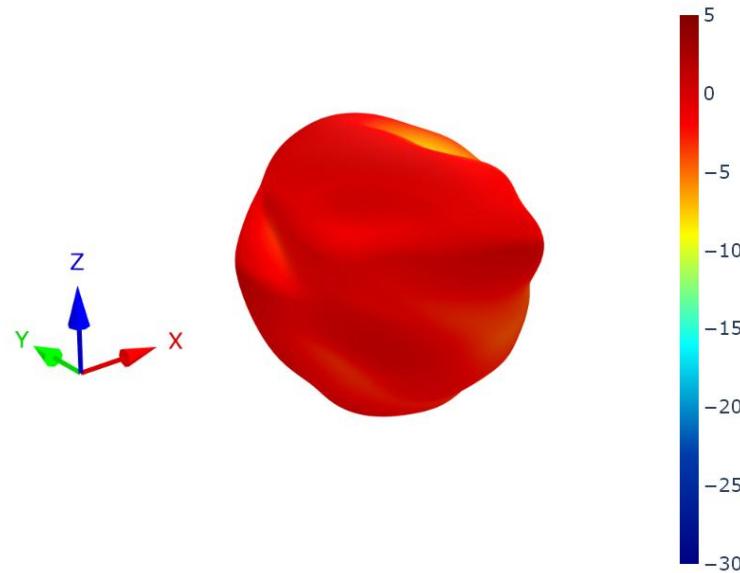
7.17 Metal Box_Port1 Patterns at 2496MHz



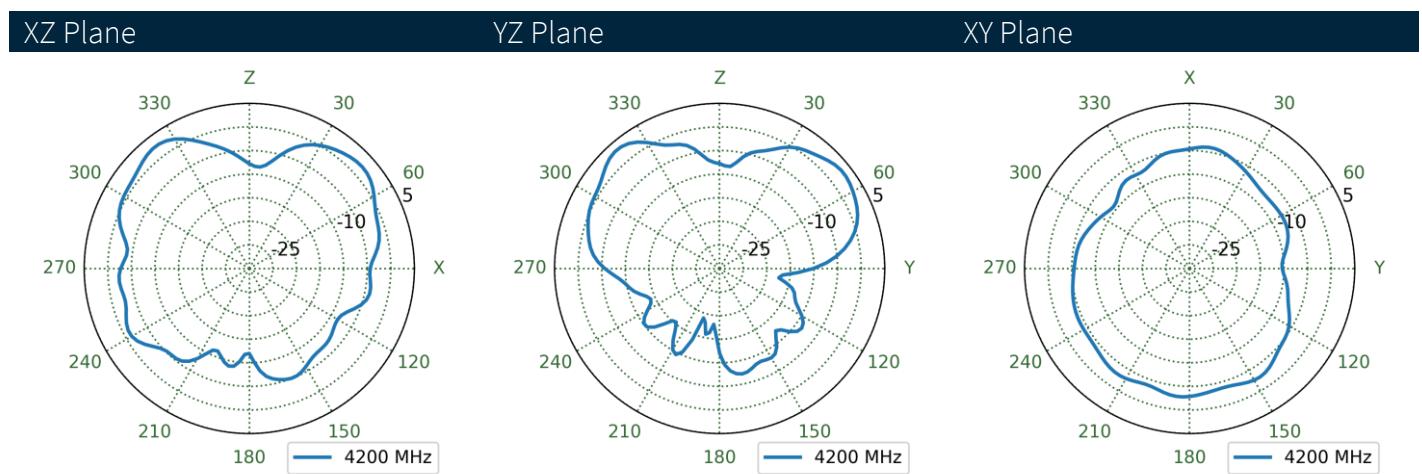
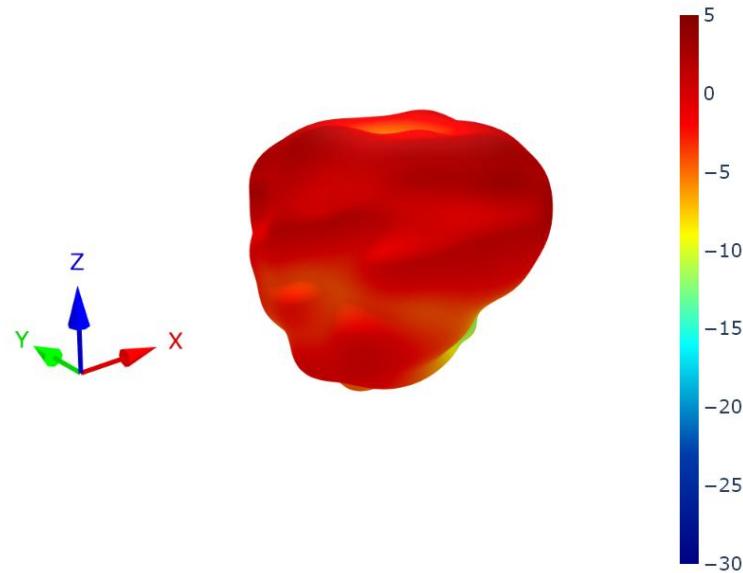
7.18 Metal Box_Port2 Patterns at 2496MHz



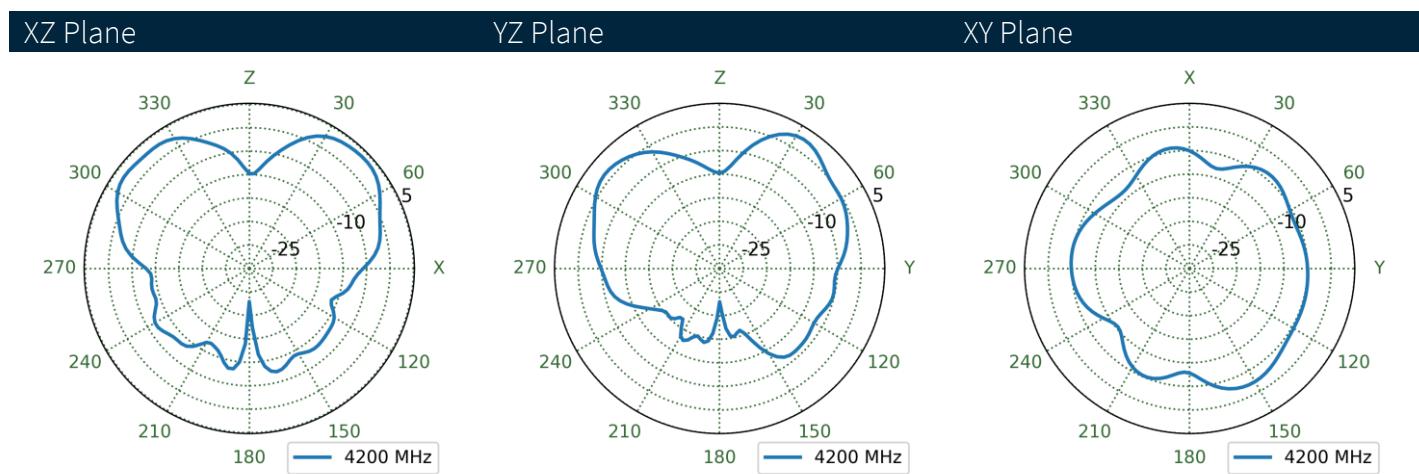
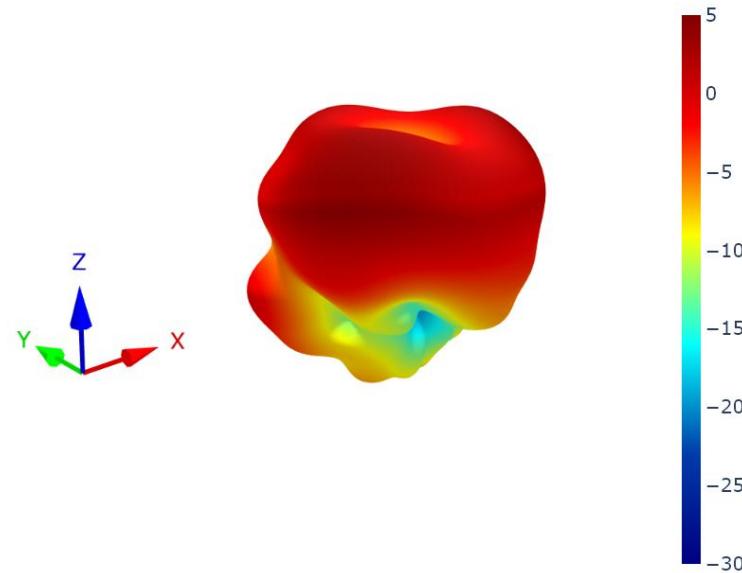
7.19 Metal Box_Port3 Patterns at 2496MHz



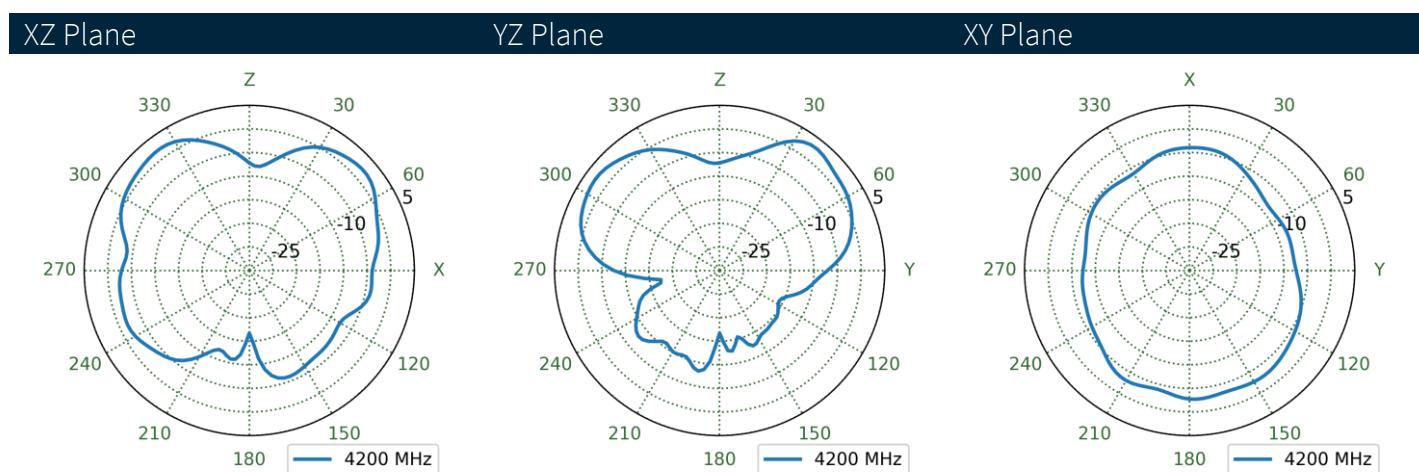
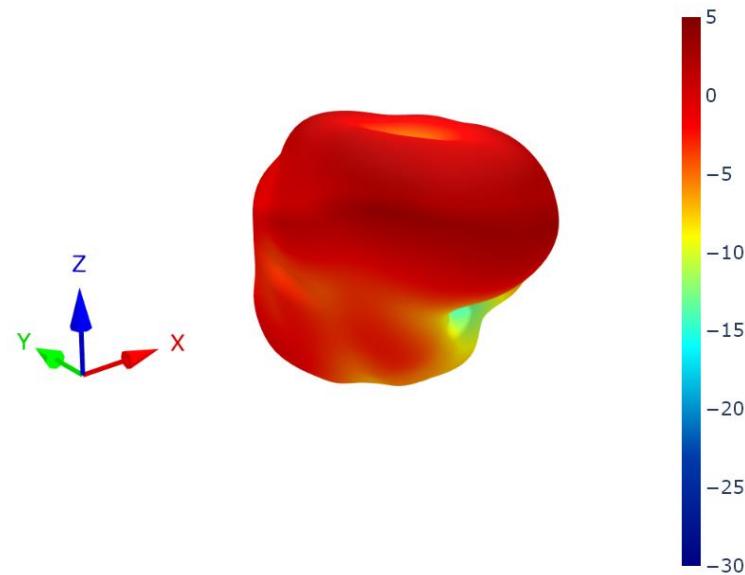
7.20 Metal Box_Port1 Patterns at 4200MHz



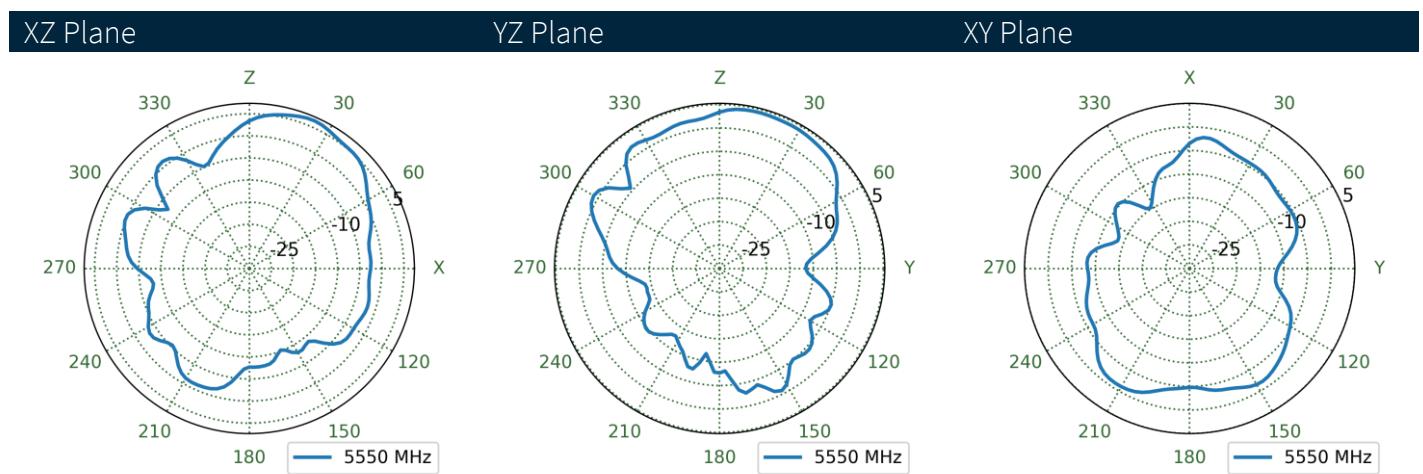
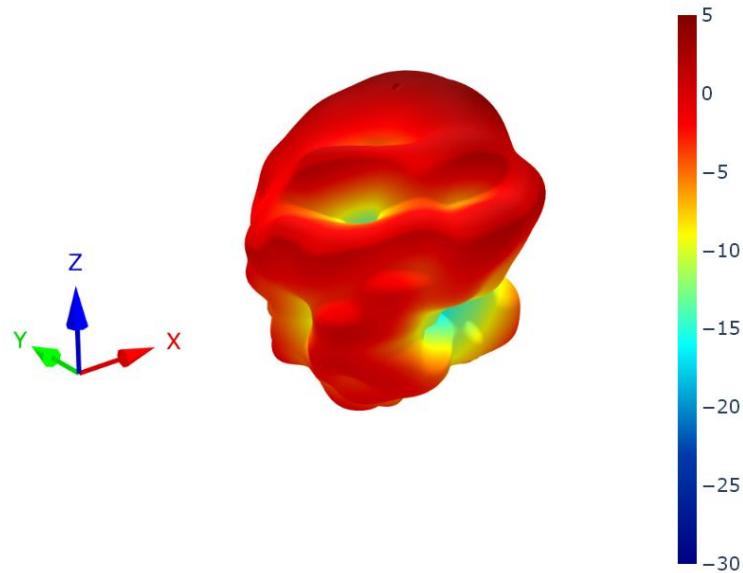
7.21 Metal Box_Port2 Patterns at 4200MHz



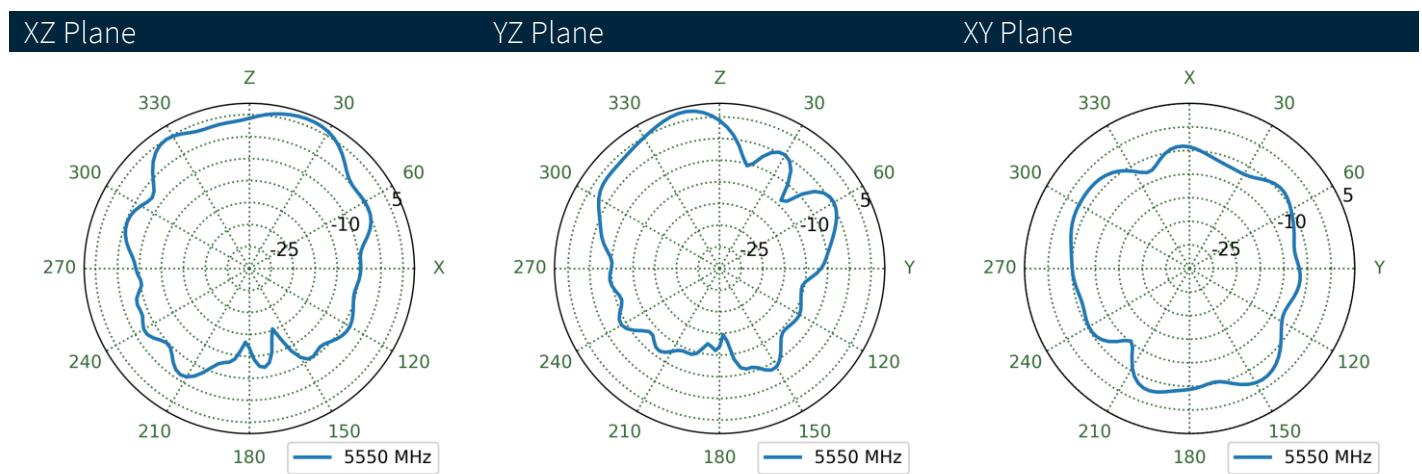
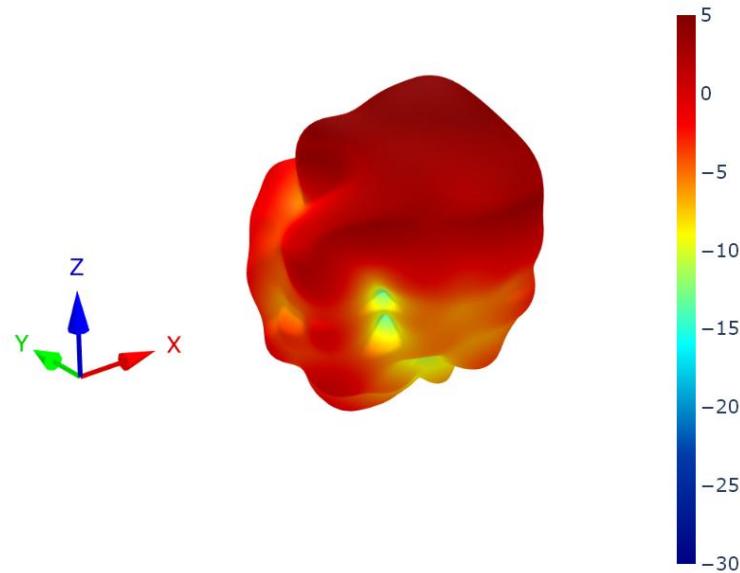
7.22 Metal Box_Port3 Patterns at 4200MHz



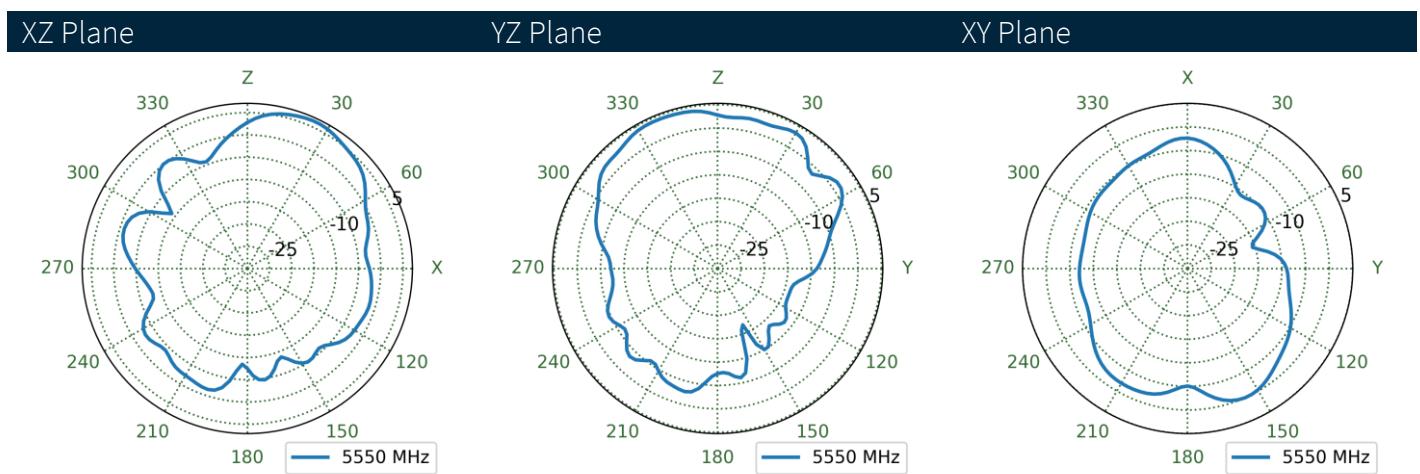
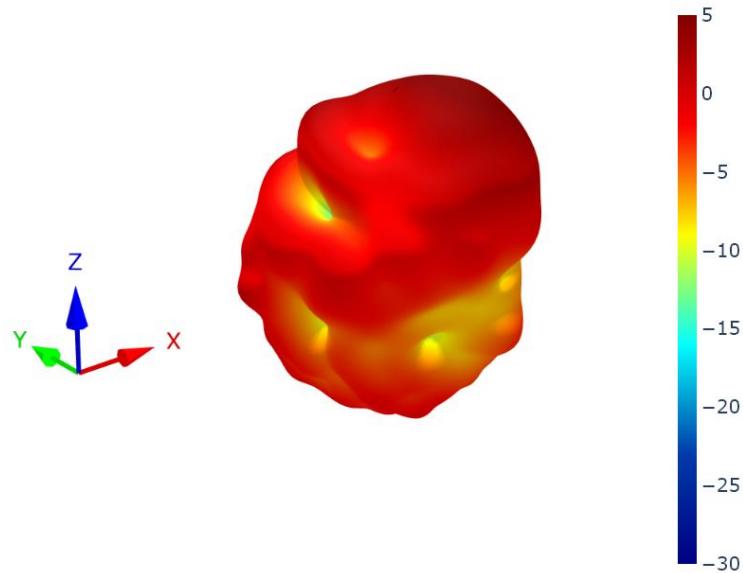
7.23 Metal Box_Port1 Patterns at 5550MHz



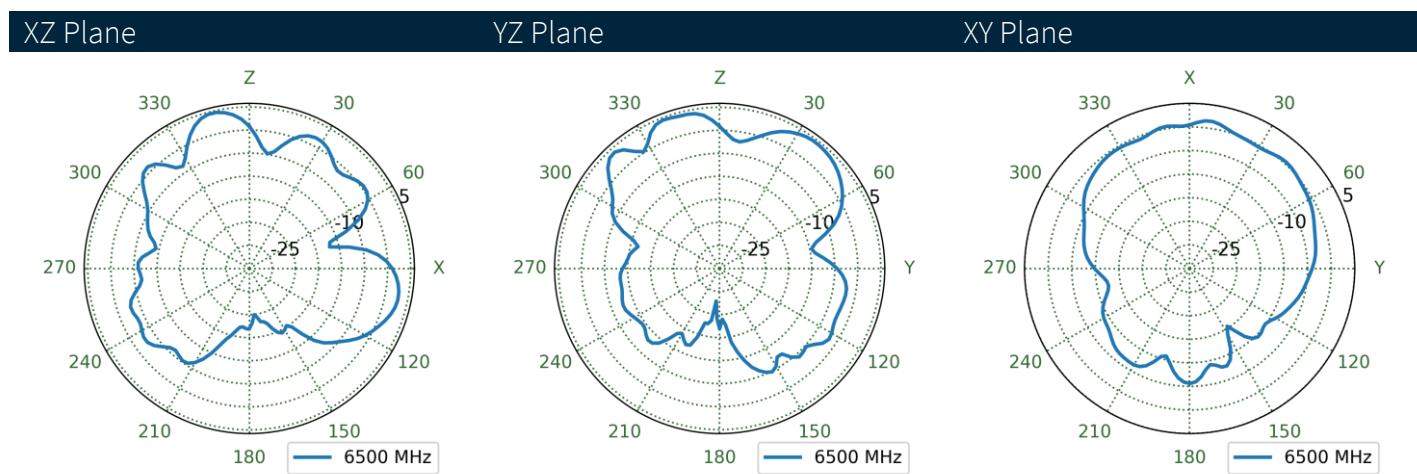
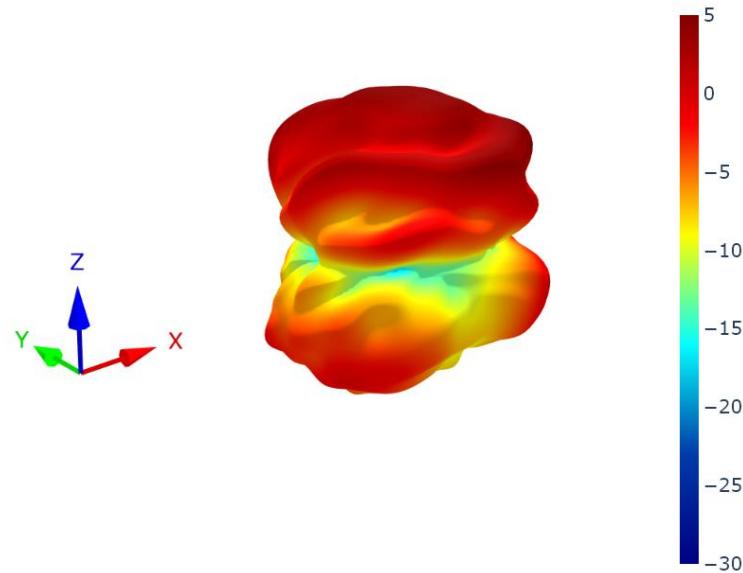
7.24 Metal Box_Port2 Patterns at 5550MHz



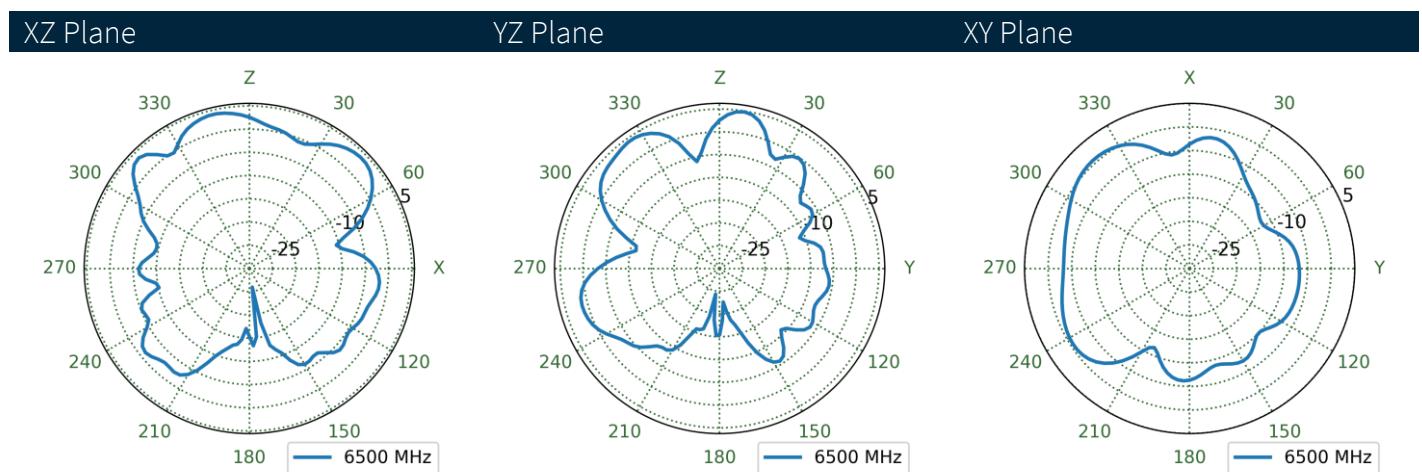
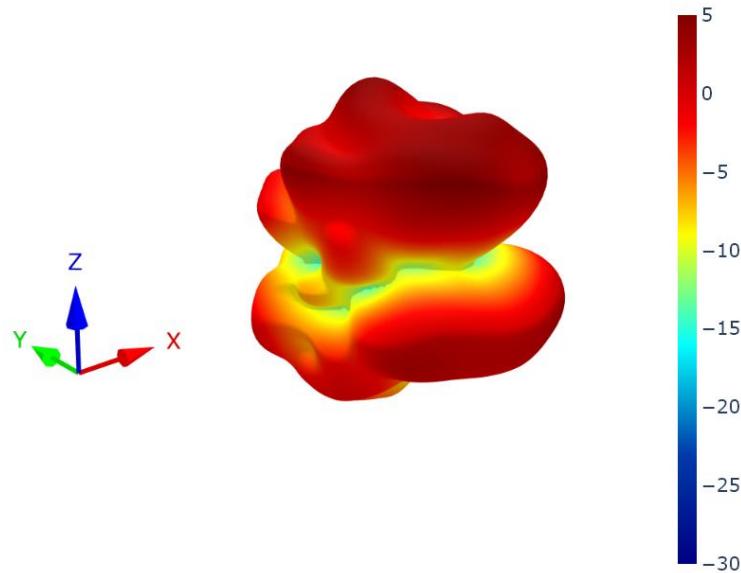
7.25 Metal Box_Port3 Patterns at 5550MHz



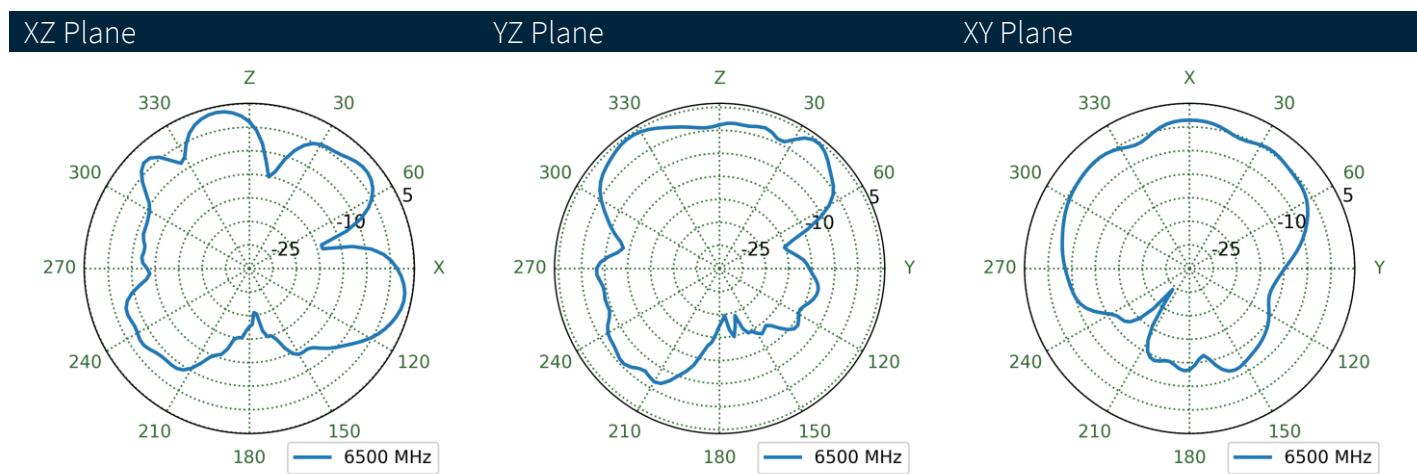
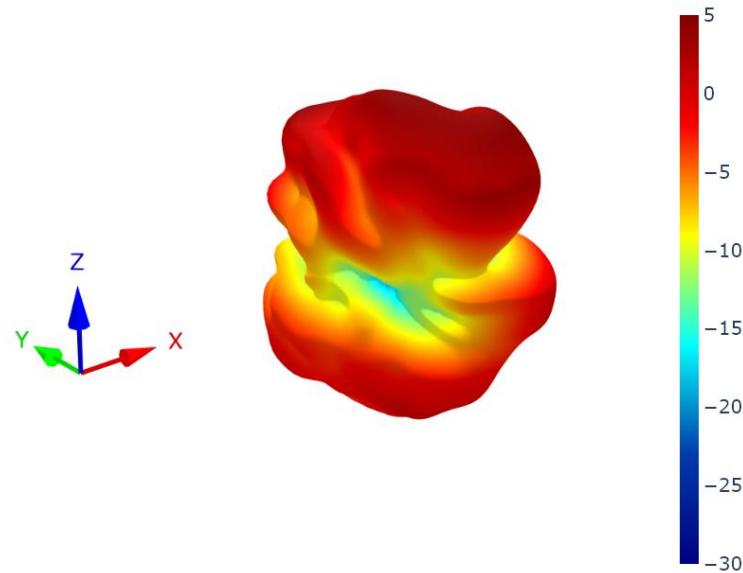
7.26 Metal Box_Port1 Patterns at 6525MHz



7.27 Metal Box_Port2 Patterns at 6525MHz



7.28 Metal Box_Port3 Patterns at 6525MHz



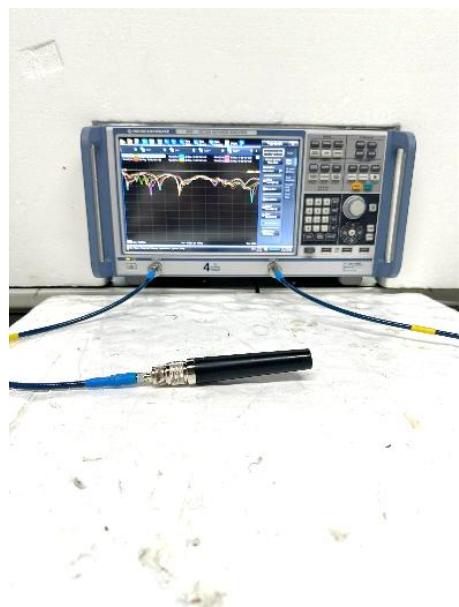
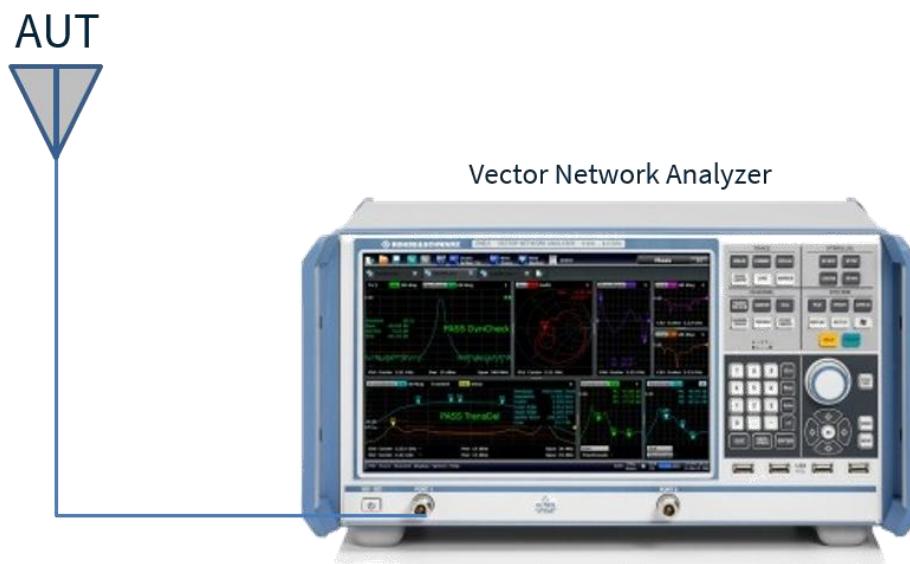
8. Application Note

This application note shows the performance of the TU.66.3H31, In Free Space on a 9x15cm Ground plane and on a 15x9cm Ground Plane.

| LTE 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 Ground Plane | 62.9 | -2.01 | 1.47 | 50 Ω | Linear | Omni directional | 30W | |
| | | 9x15cm Ground Plane | 54.1 | -2.67 | 1.76 | | | | | |
| | | Free Space | 19.5 | -7.10 | -1.33 | | | | | |
| 4G/3G Band 12,13,14,17,28,29 | 698-824 | 15x9cm Ground Plane | 70.6 | -1.51 | 2.89 | 50 Ω | Linear | Omni directional | 30W | |
| | | 9x15cm Ground Plane | 62.1 | -2.07 | 2.87 | | | | | |
| | | Free Space | 30.6 | -5.15 | 1.43 | | | | | |
| 4G/3G/NB-IoT/Cat M Band 5,8,18,19,20,26,27 | 824-960 | 15x9cm Ground Plane | 76.5 | -1.17 | 2.96 | 50 Ω | Linear | Omni directional | 30W | |
| | | 9x15cm Ground Plane | 66.3 | -1.78 | 3.08 | | | | | |
| | | Free Space | 29.6 | -5.29 | 1.00 | | | | | |
| 5GNR/4G Band 21,32,74,75,76 | 1427-1518 | 15x9cm Ground Plane | 82.7 | -0.82 | 5.28 | 50 Ω | Linear | Omni directional | 30W | |
| | | 9x15cm Ground Plane | 77.2 | -1.13 | 5.55 | | | | | |
| | | Free Space | 59.1 | -2.29 | 2.55 | | | | | |
| 4G/3G Band 1,2,3,4,9,23,25,35,39, 66 | 1710-2200 | 15x9cm Ground Plane | 74.6 | -1.27 | 4.28 | 50 Ω | Linear | Omni directional | 30W | |
| | | 9x15cm Ground Plane | 79.9 | -0.97 | 5.20 | | | | | |
| | | Free Space | 52.6 | -2.79 | 0.57 | | | | | |
| 4G/3G Band 7,30,38,40,41 | 2300-2690 | 15x9cm Ground Plane | 59.0 | -2.29 | 6.06 | 50 Ω | Linear | Omni directional | 30W | |
| | | 9x15cm Ground Plane | 58.6 | -2.32 | 4.84 | | | | | |
| | | Free Space | 53.3 | -2.73 | 2.09 | | | | | |
| 5GNR/4G Band 22,42,48,77,78,79 | 3300-5000 | 15x9cm Ground Plane | 64.9 | -1.87 | 4.43 | 50 Ω | Linear | Omni directional | 30W | |
| | | 9x15cm Ground Plane | 67.7 | -1.69 | 5.09 | | | | | |
| | | Free Space | 75.7 | -1.21 | 4.65 | | | | | |
| LTE5200/Wi-Fi5800 | 5150-5925 | 15x9cm Ground Plane | 63.2 | -1.99 | 4.92 | 50 Ω | Linear | Omni directional | 30W | |
| | | 9x15cm Ground Plane | 68.4 | -1.65 | 5.01 | | | | | |
| | | Free Space | 83.4 | -0.79 | 5.25 | | | | | |
| WiFi - 6GHz | 5925-7125 | 15x9cm Ground Plane | 64.7 | -1.89 | 4.87 | 50 Ω | Linear | Omni directional | 30W | |
| | | 9x15cm Ground Plane | 73.0 | -1.37 | 4.95 | | | | | |
| | | Free Space | 79.2 | -1.01 | 5.68 | | | | | |

9. Antenna Characteristics

9.1 Test Setup



VNA Test Set-up – In Free Space

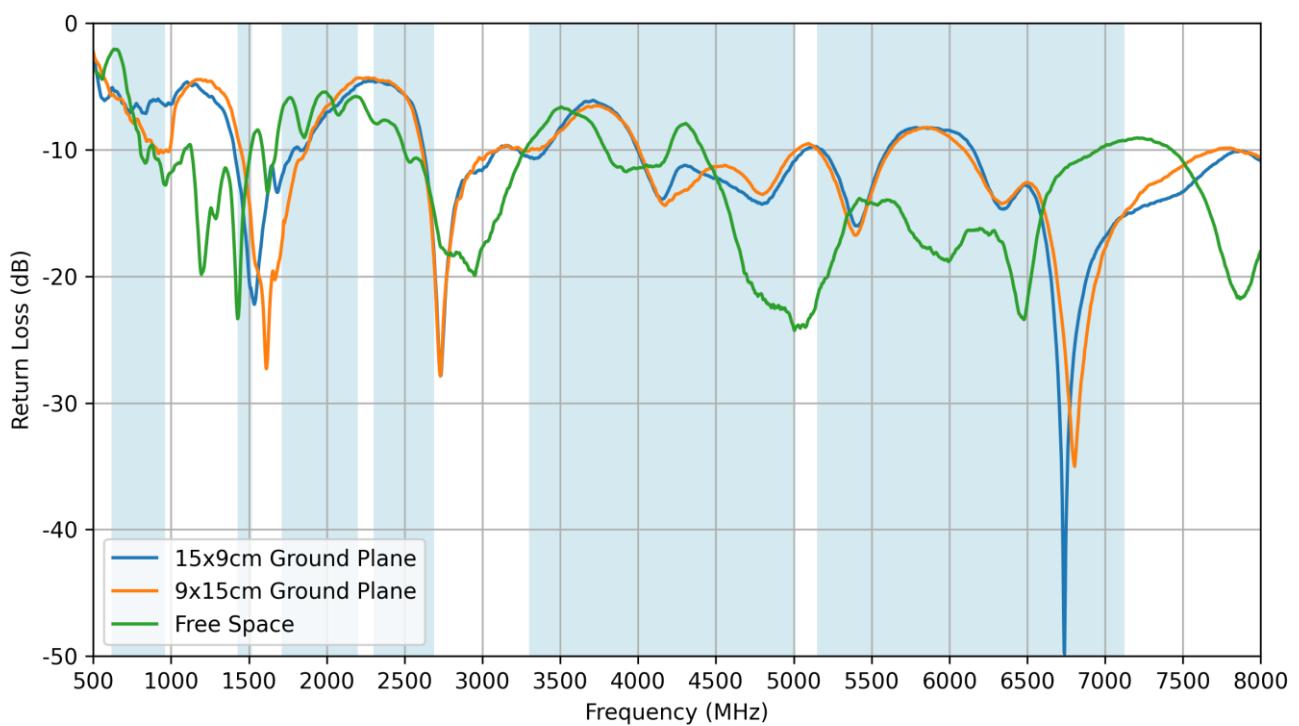


VNA Test Set-up – 9x15cm
Ground Plane

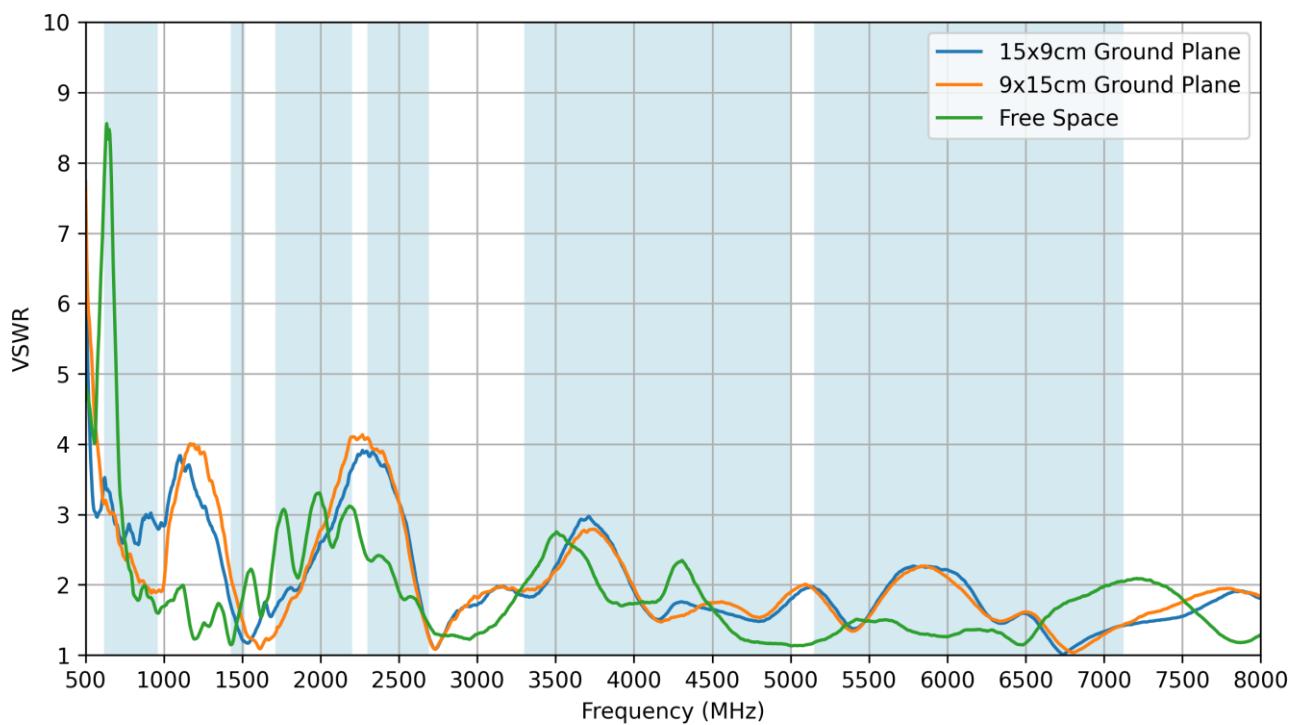


VNA Test Set-up – 15x9cm
Ground Plane

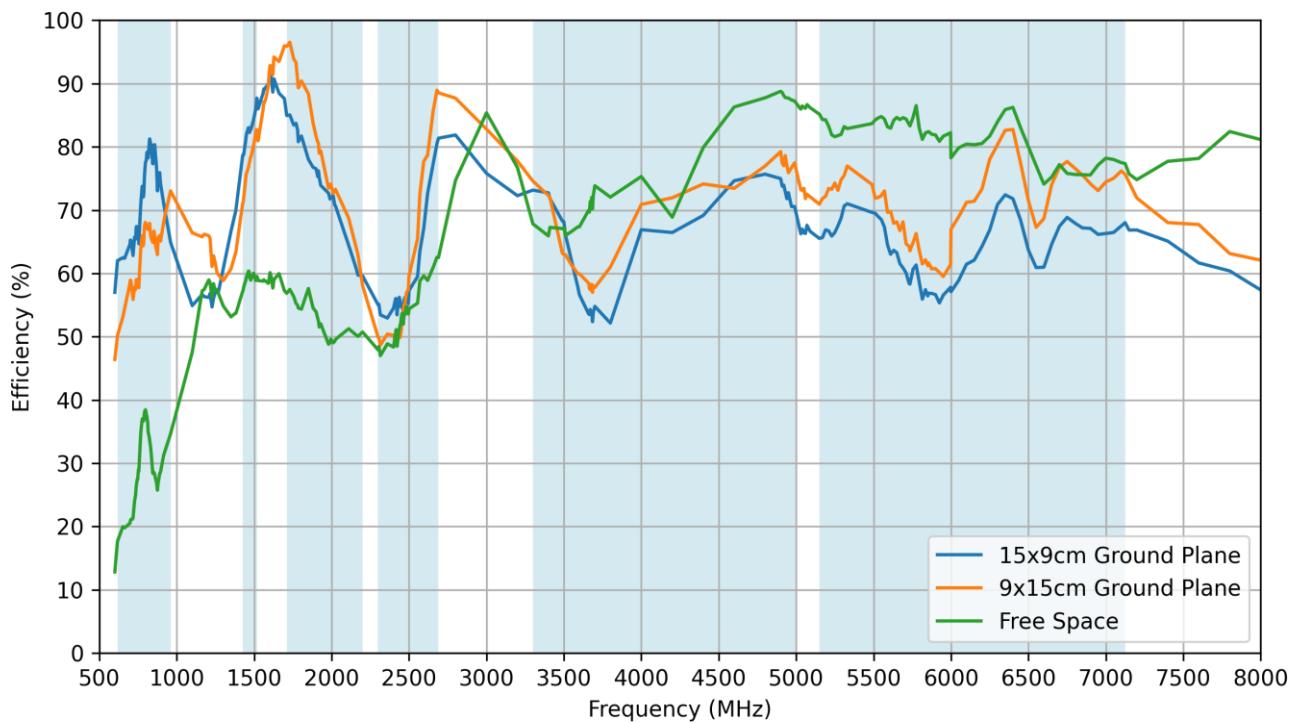
9.2 Return Loss



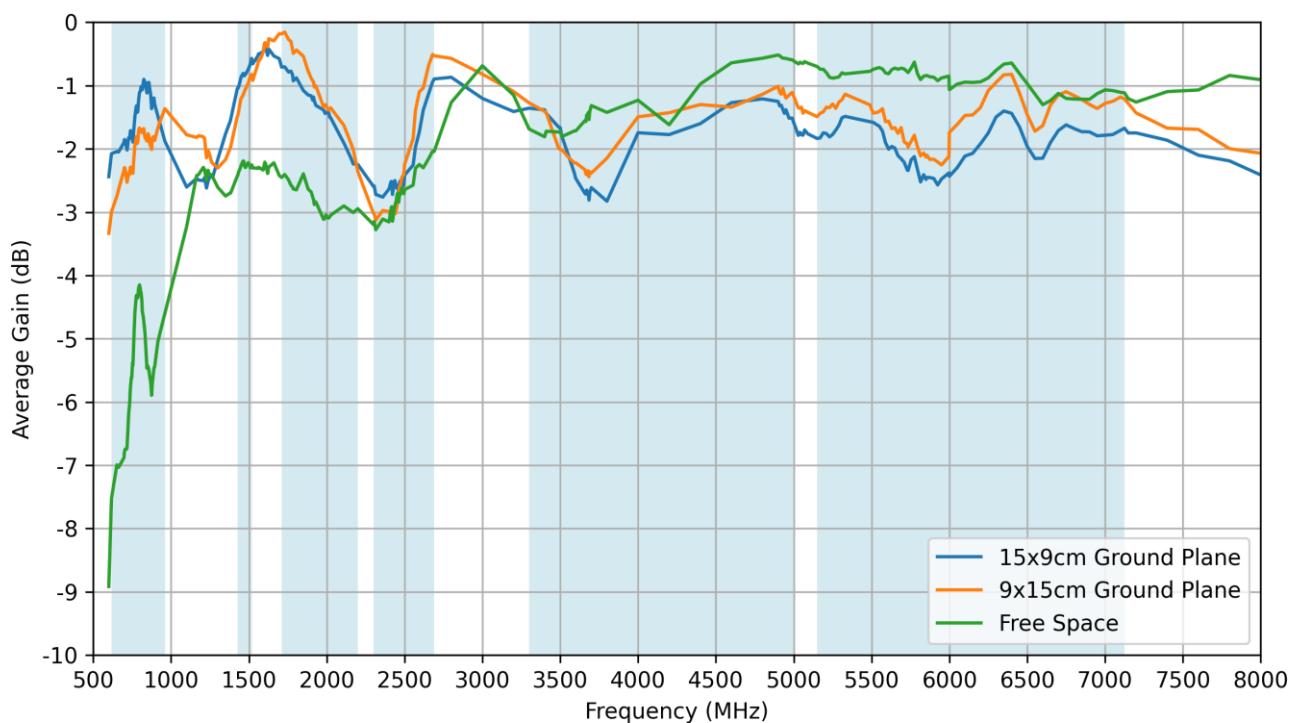
9.3 VSWR



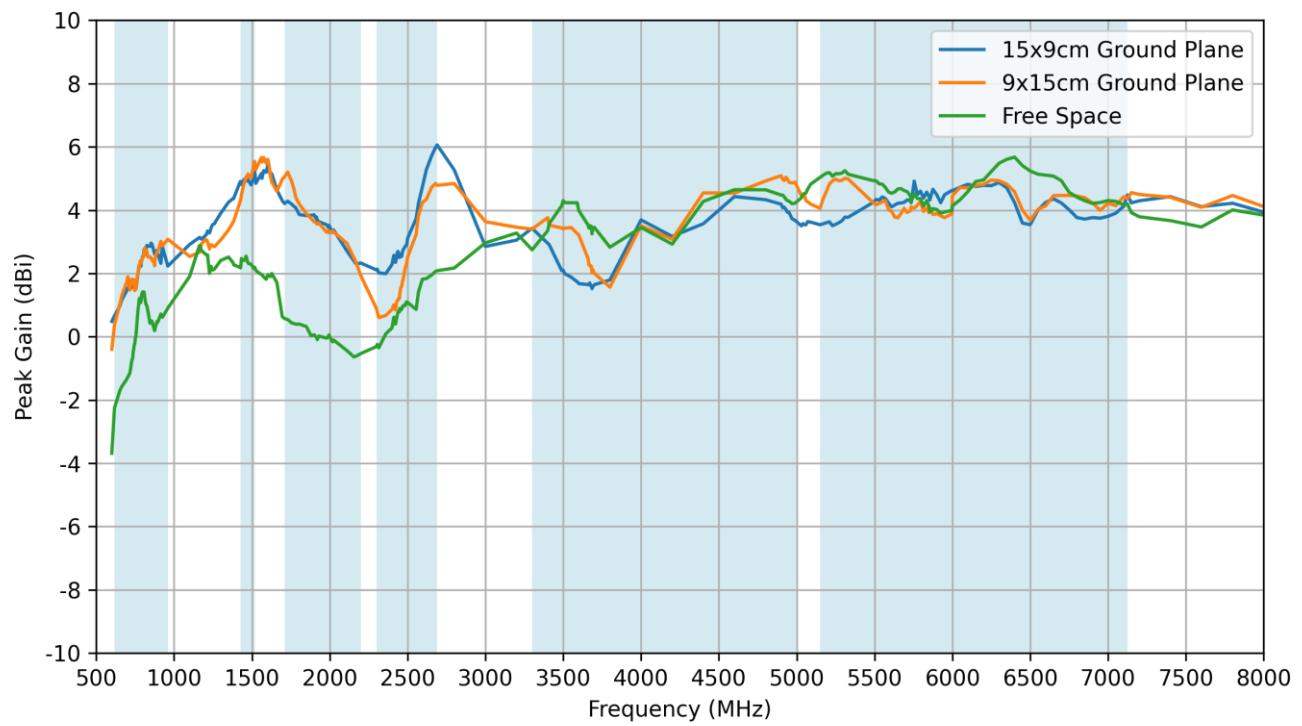
9.4 Efficiency



9.5 Average Gain

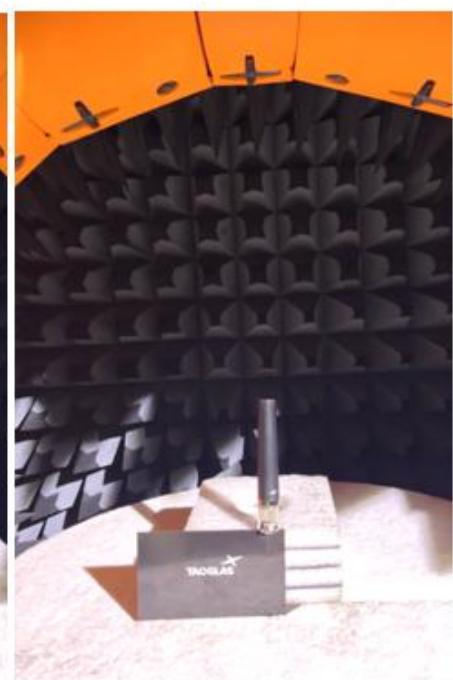
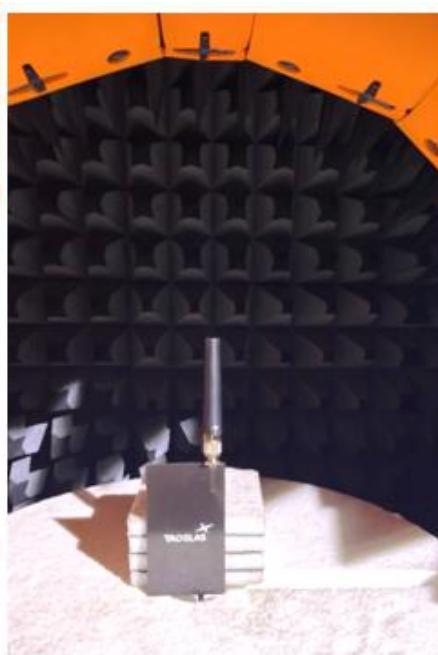
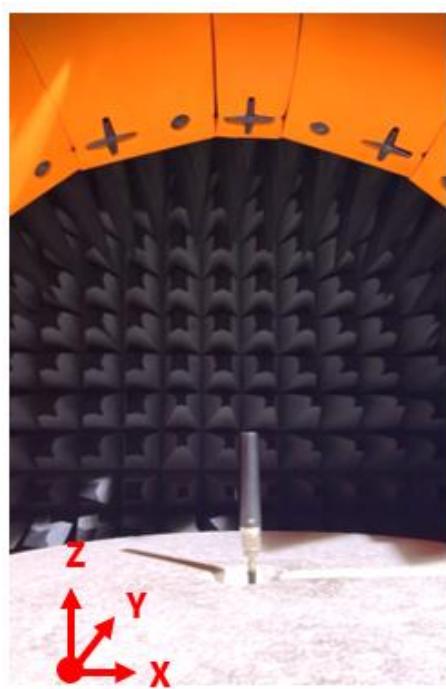
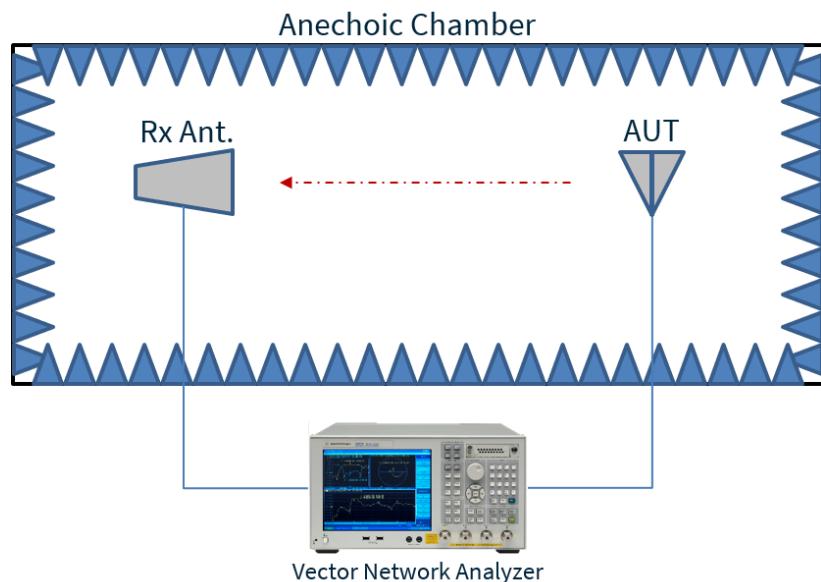


9.6 Peak Gain

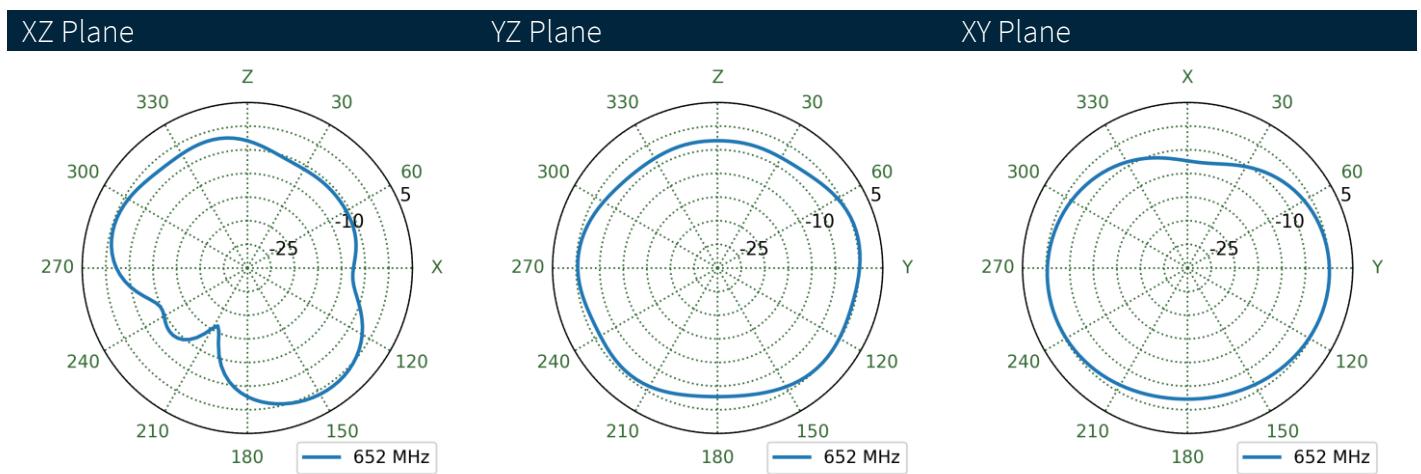
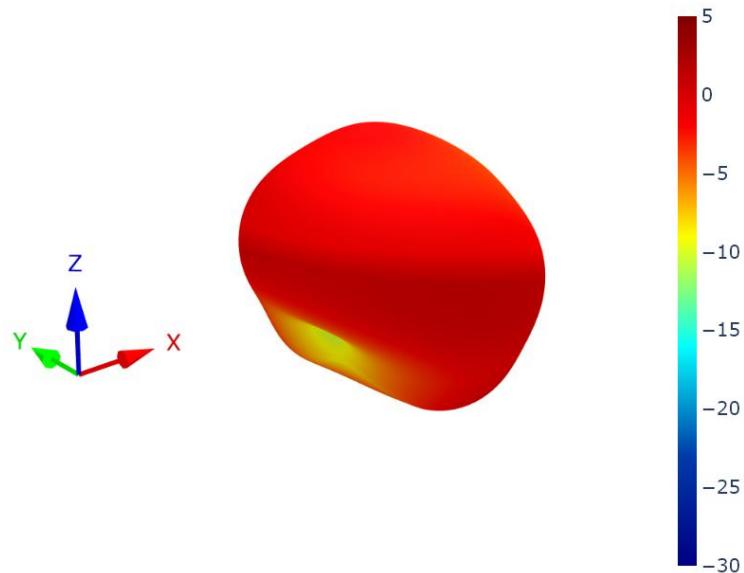


10. Radiation Patterns

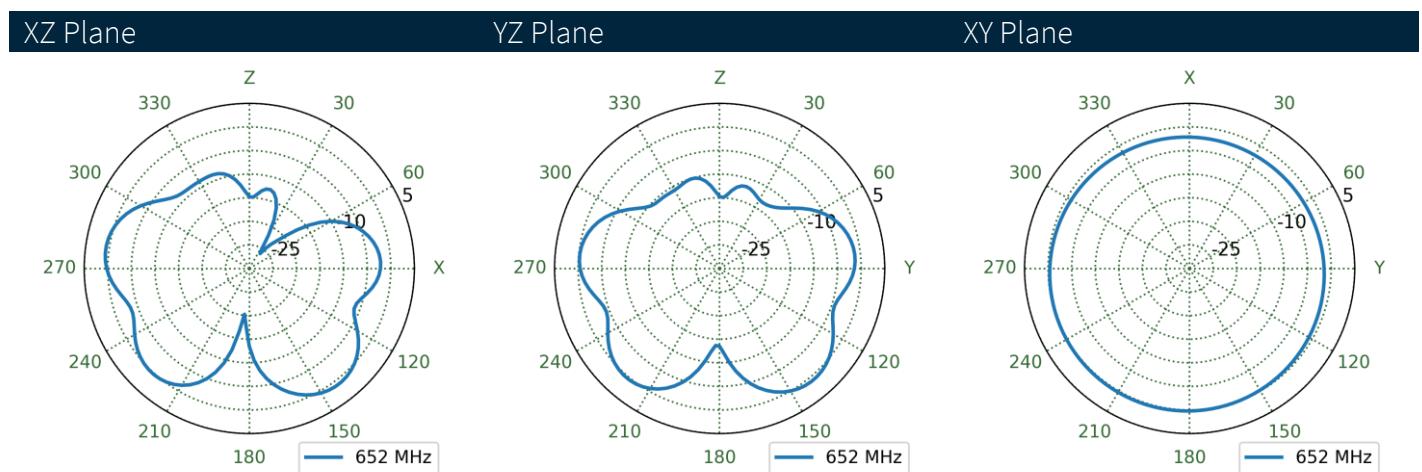
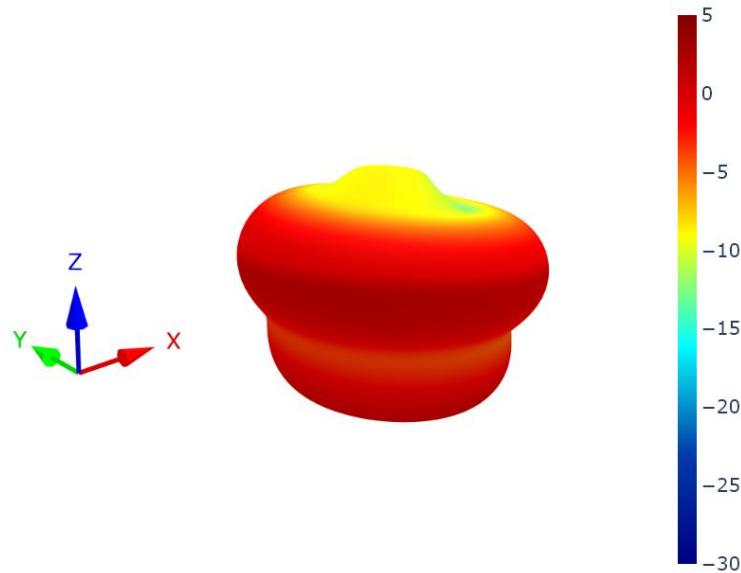
10.1 Test Setup



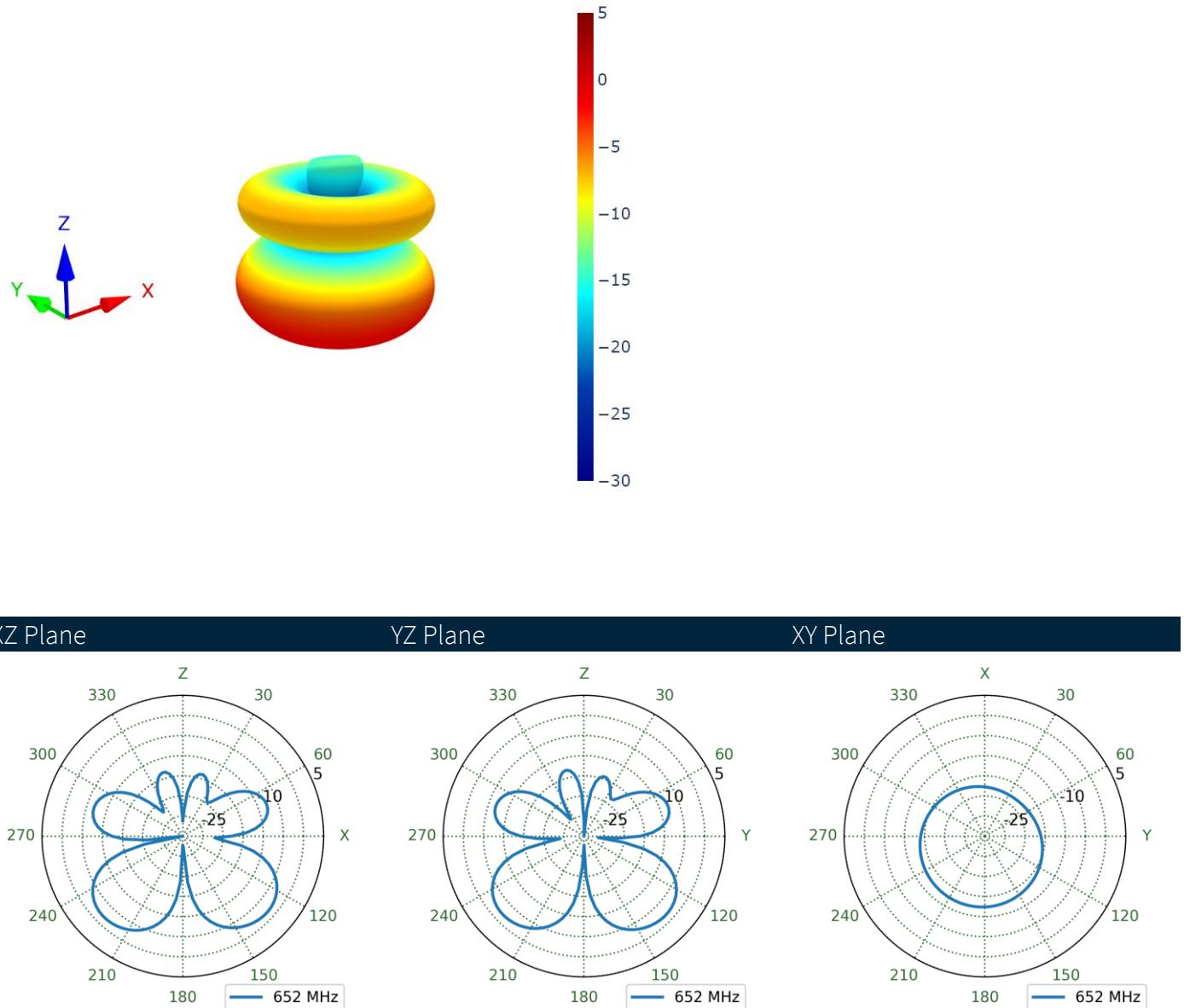
10.2 15x9cm Ground Plane Patterns at 652MHz



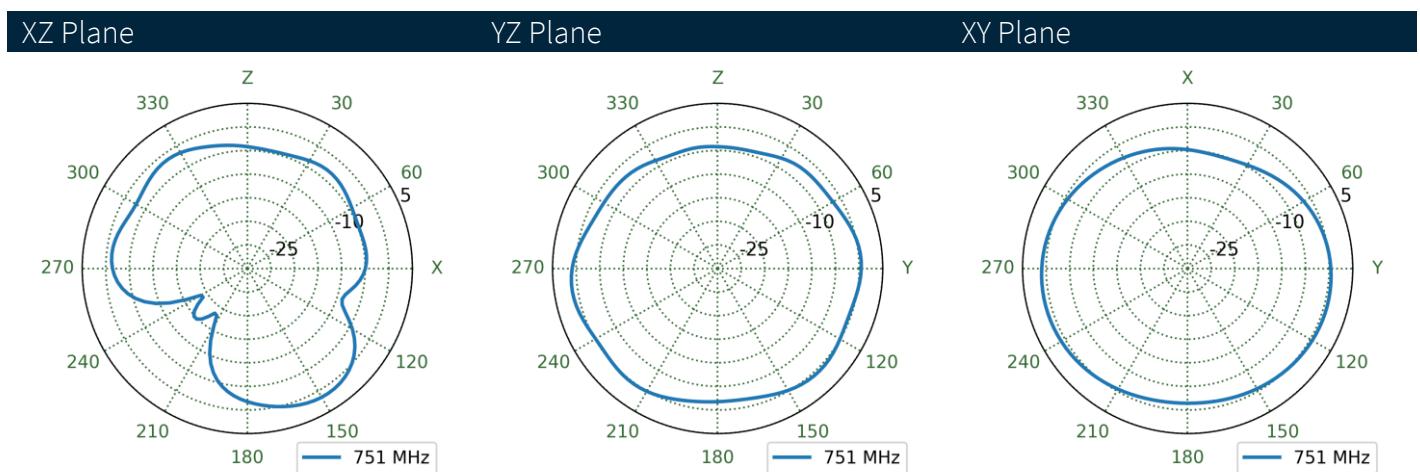
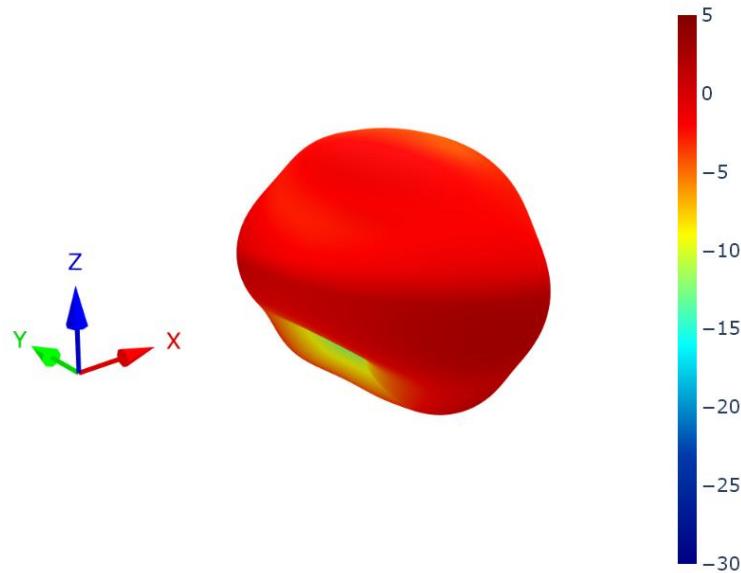
10.3 9x15cm Ground Plane Patterns at 652MHz



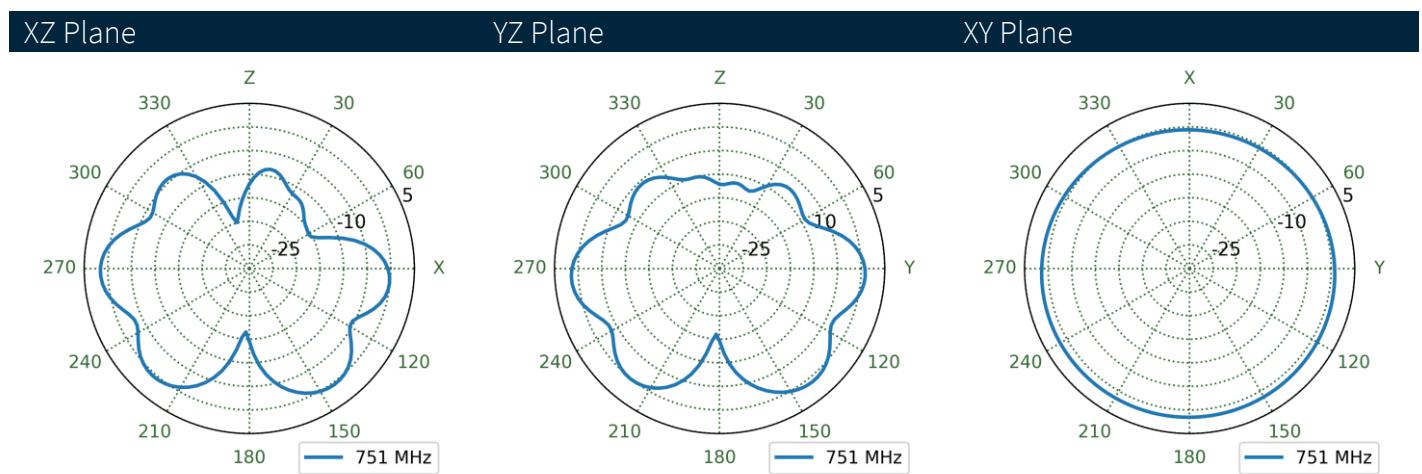
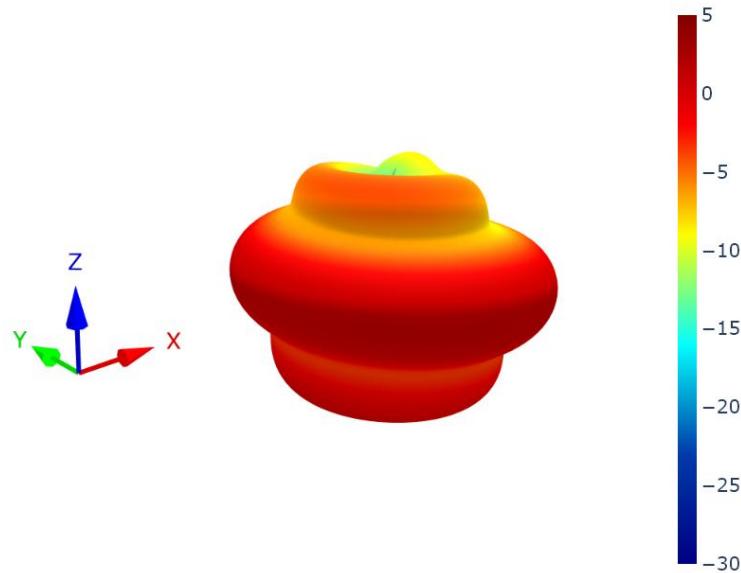
10.4 Free Space Patterns at 652MHz



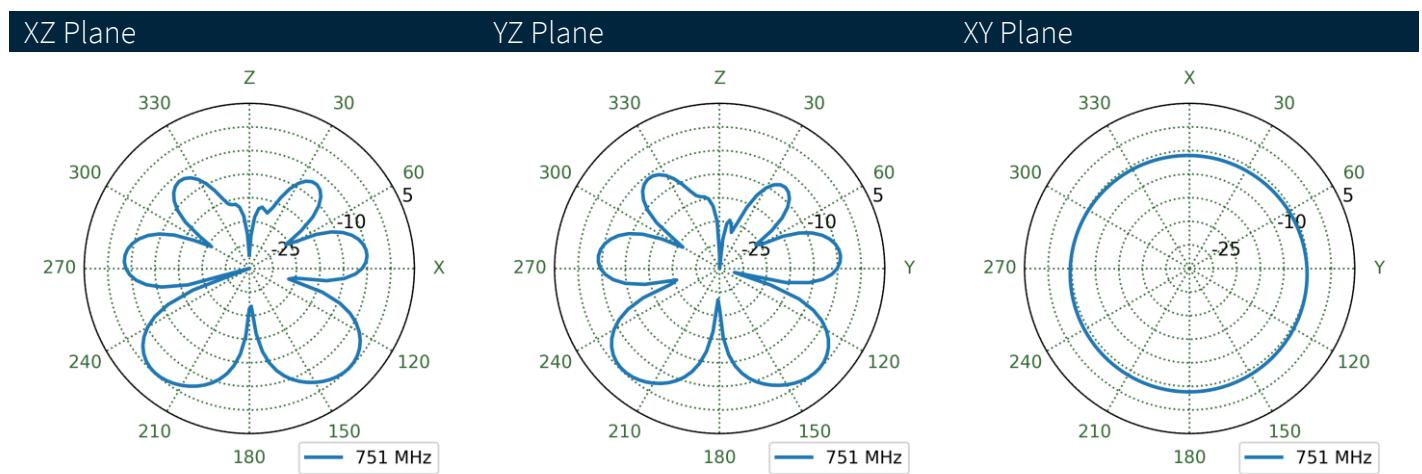
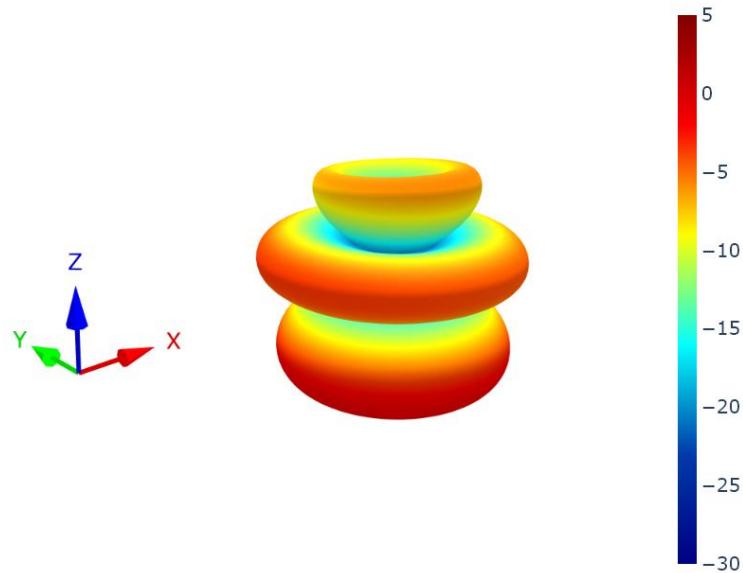
10.5 15x9cm Ground Plane Patterns at 751MHz



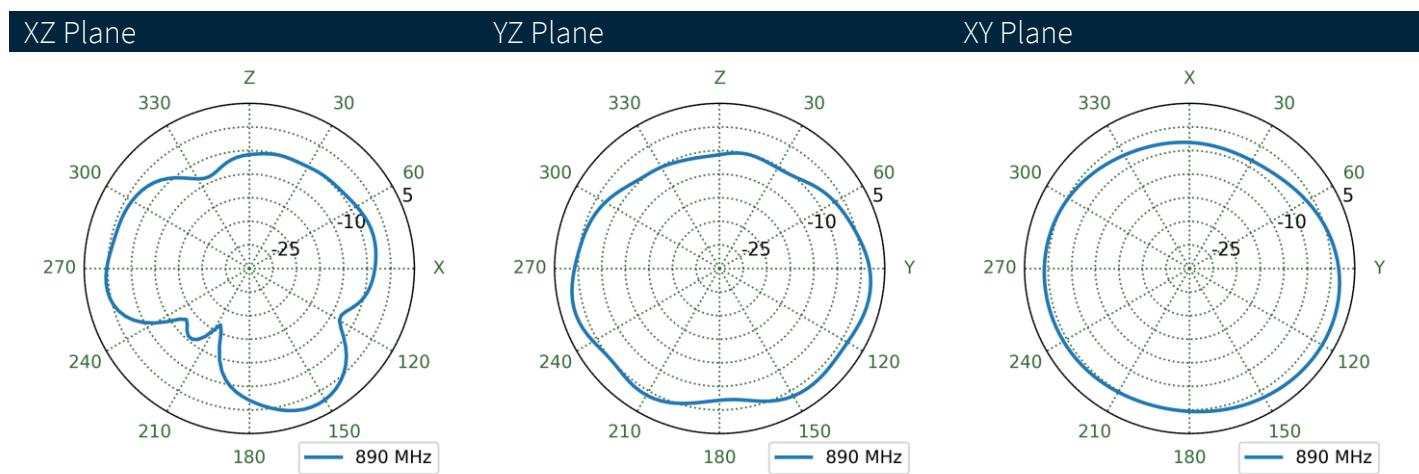
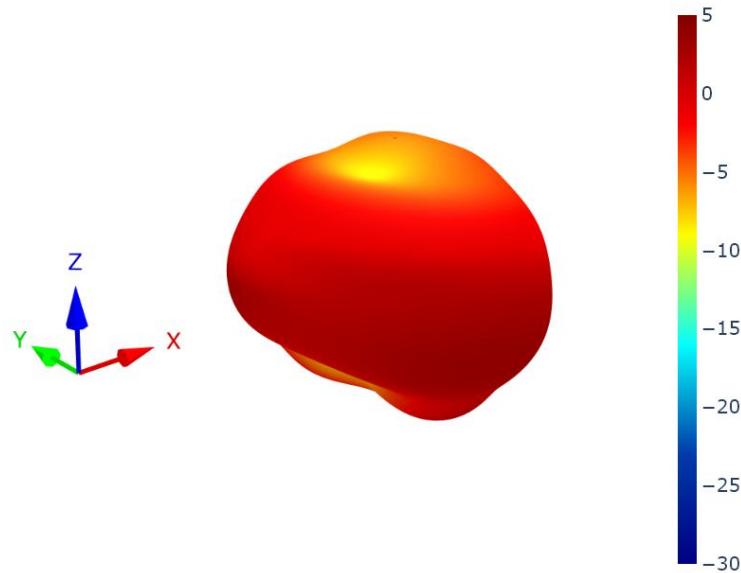
10.6 9x15cm Ground Plane Patterns at 751MHz



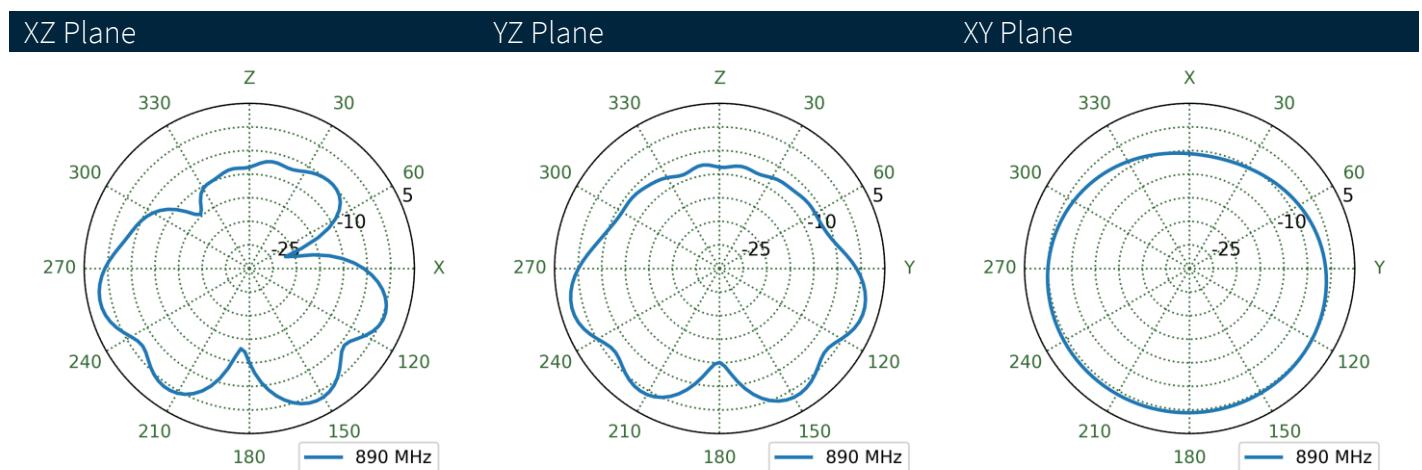
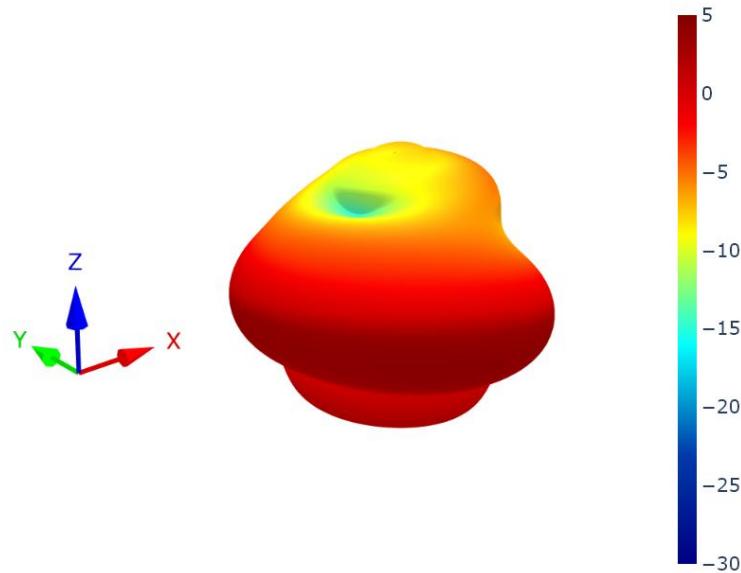
10.7 Free Space Patterns at 751MHz



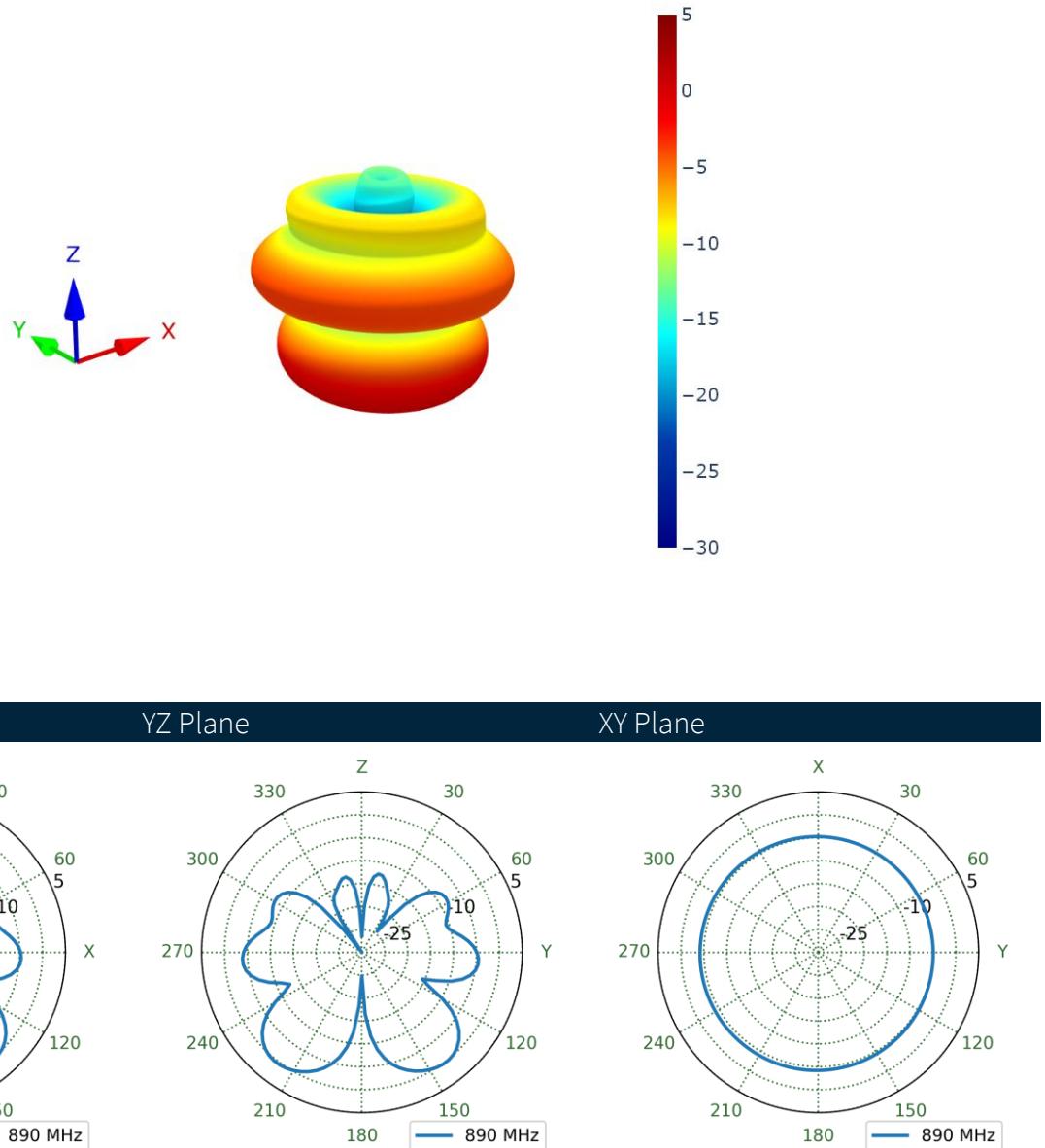
10.8 15x9cm Ground Plane Patterns at 890MHz



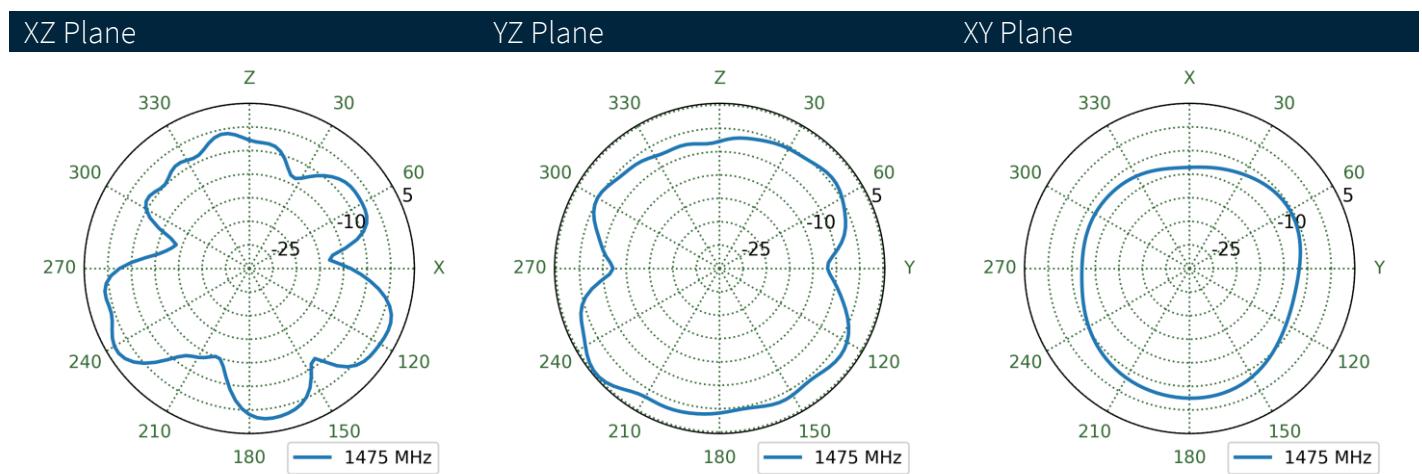
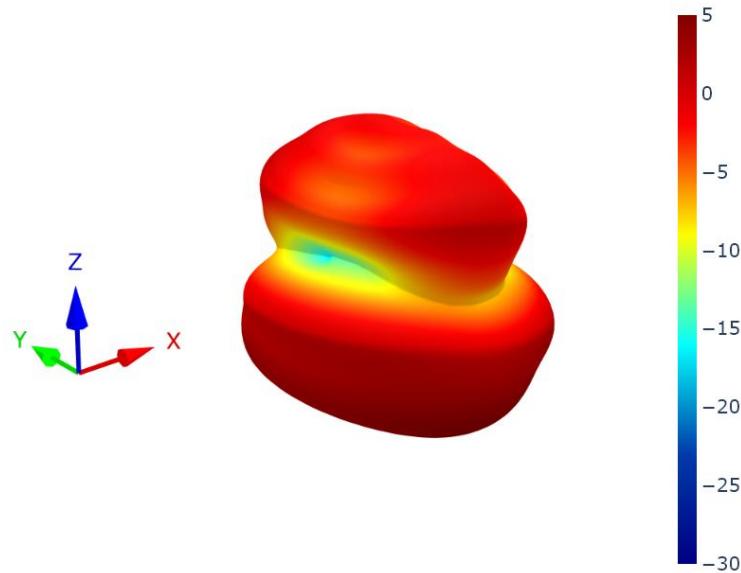
10.9 9x15cm Ground Plane Patterns at 890MHz



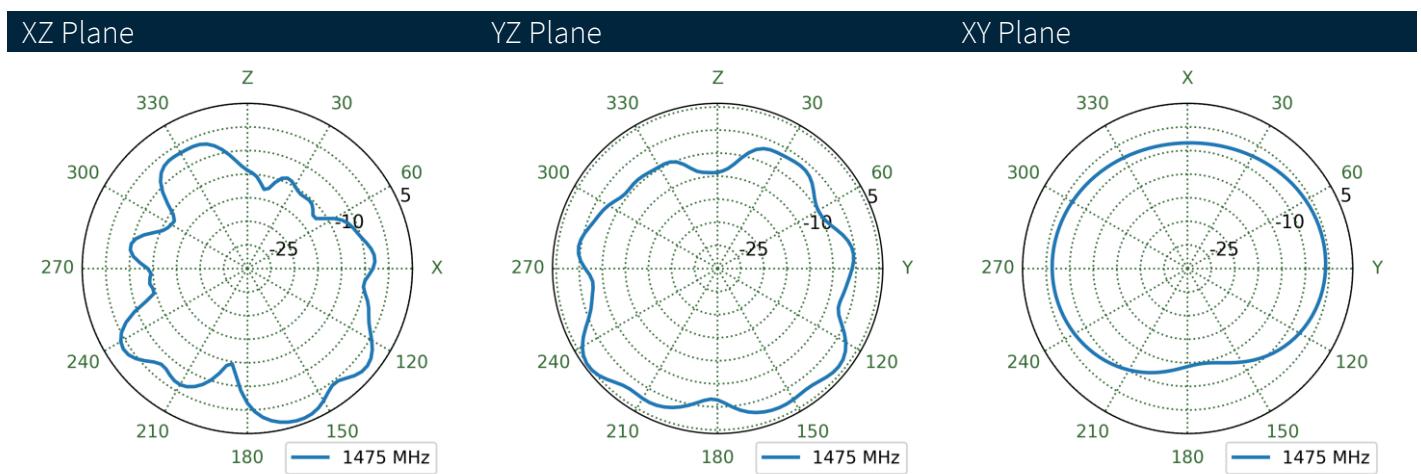
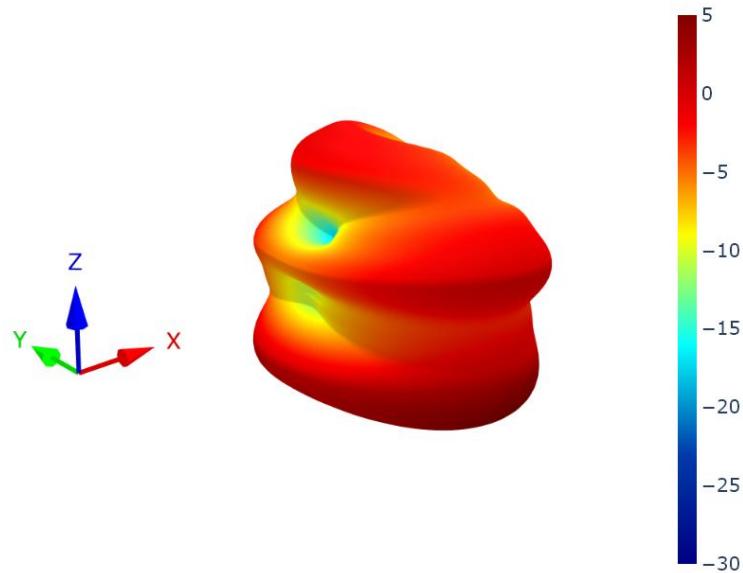
10.10 Free Space Patterns at 890MHz



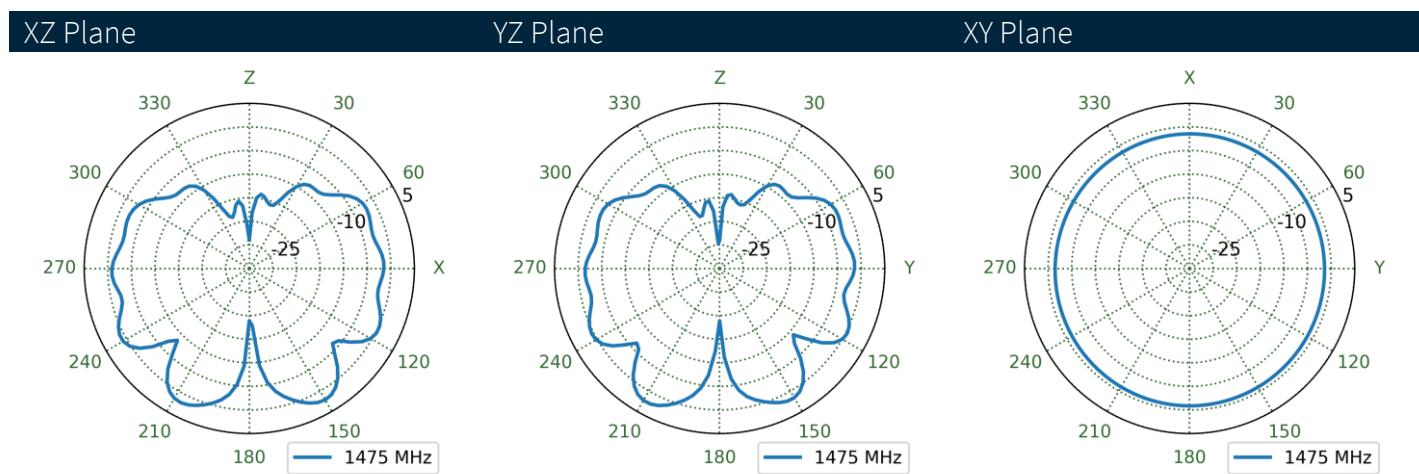
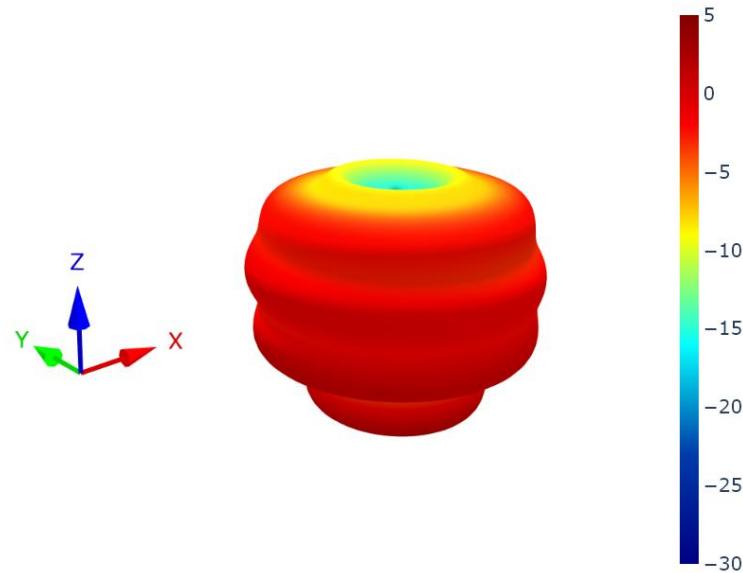
10.11 15x9cm Ground Plane Patterns at 1475MHz

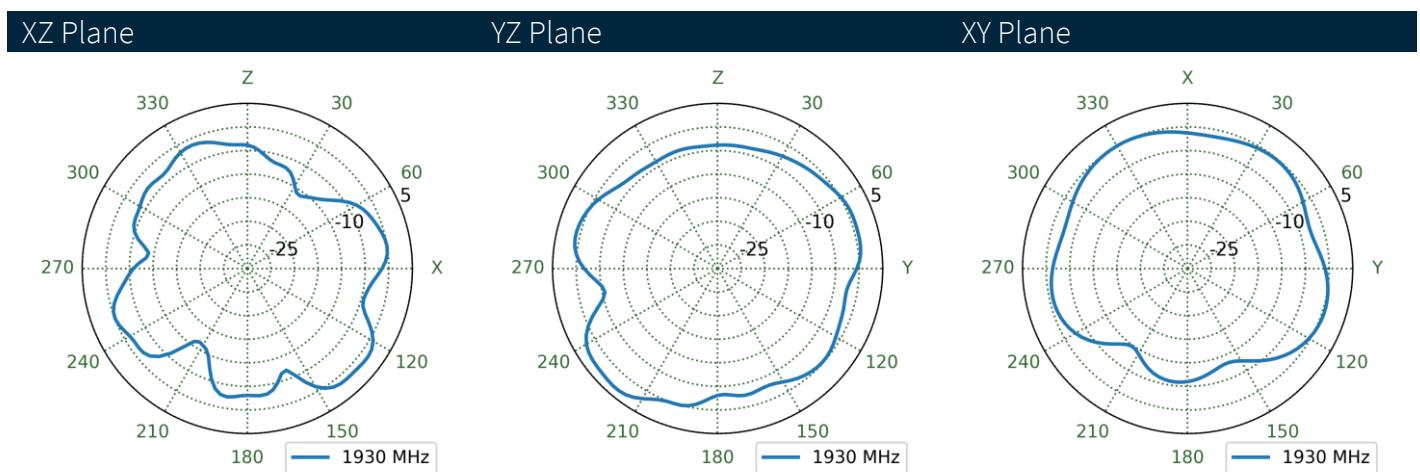
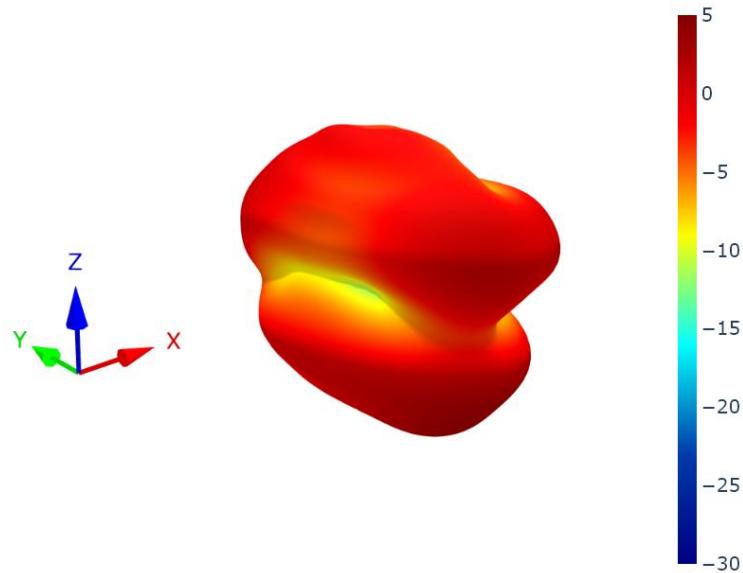


10.12 9x15cm Ground Plane Patterns at 1475MHz

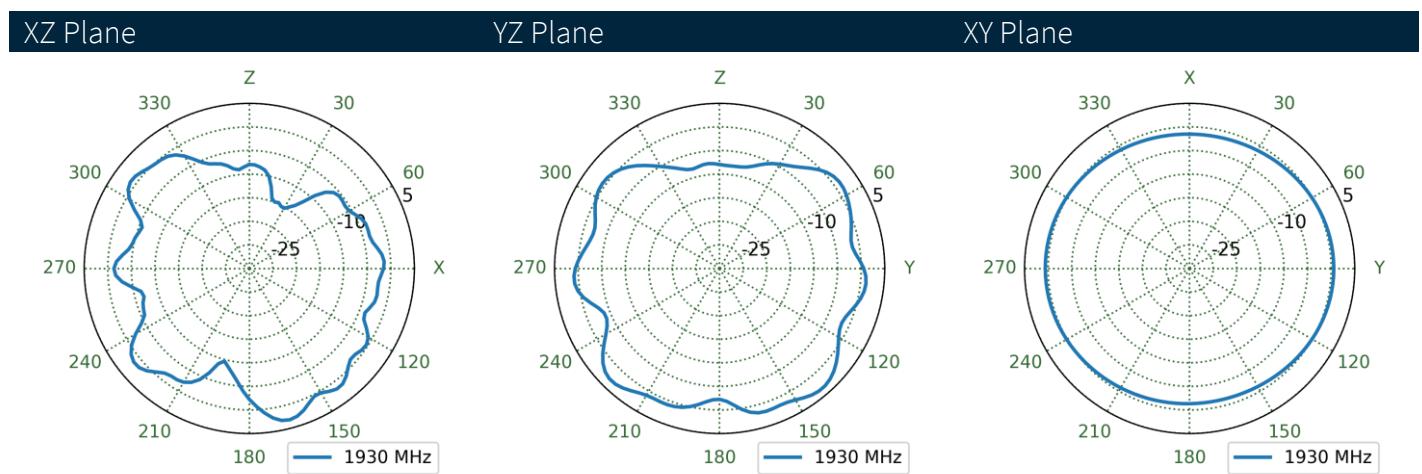
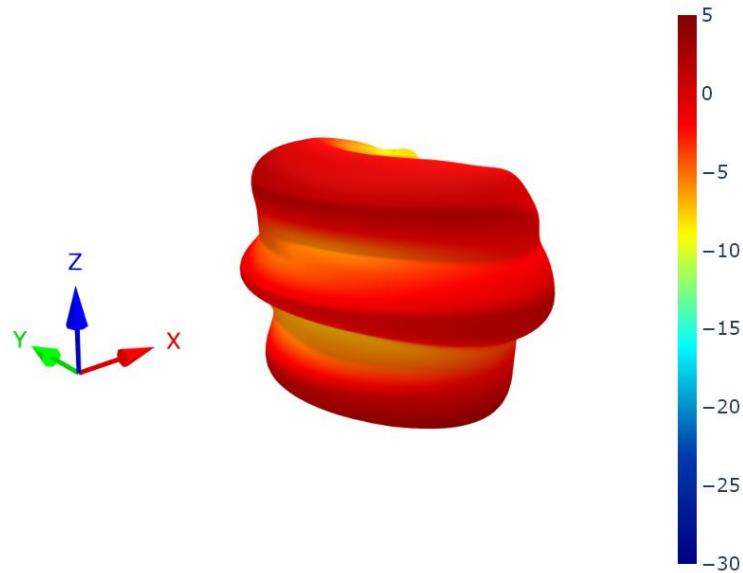


10.13 Free Space Patterns at 1475MHz

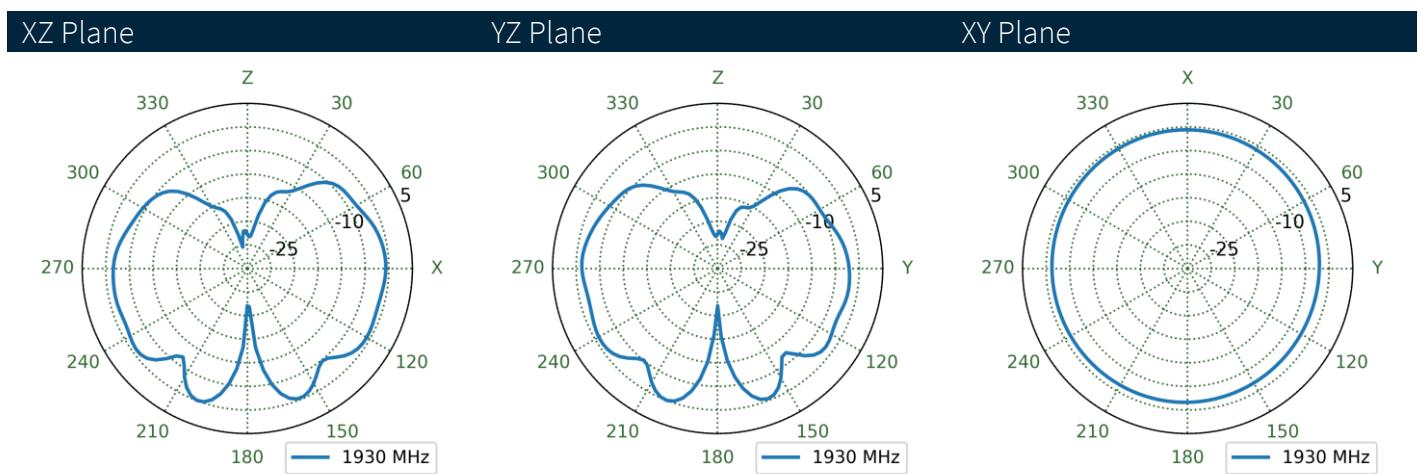
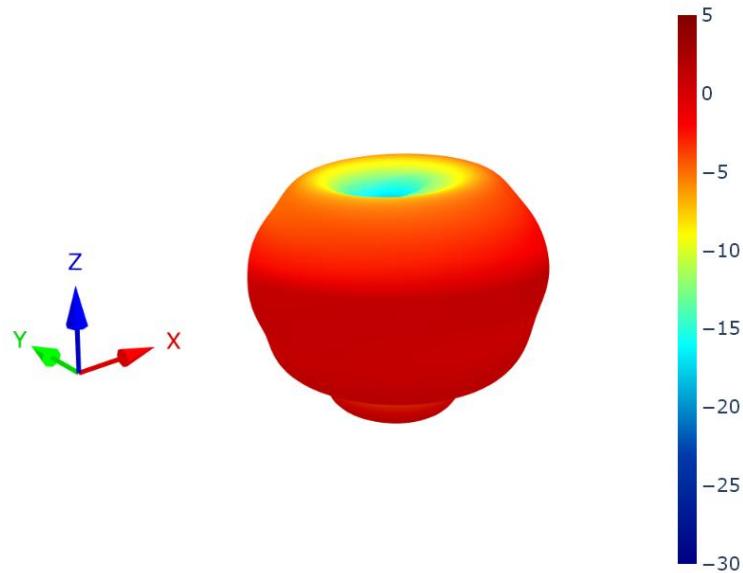


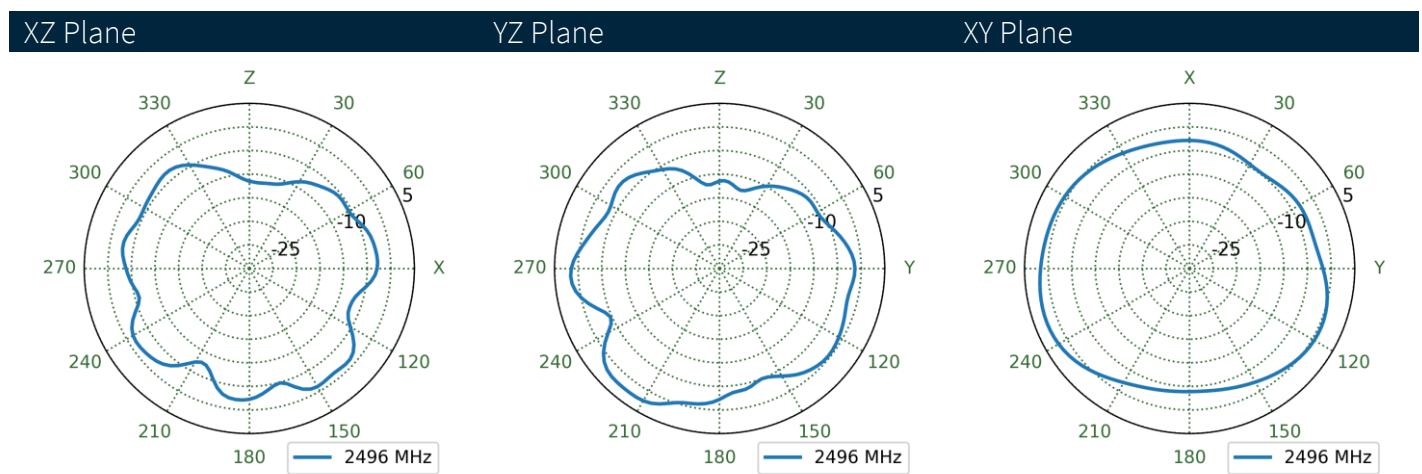
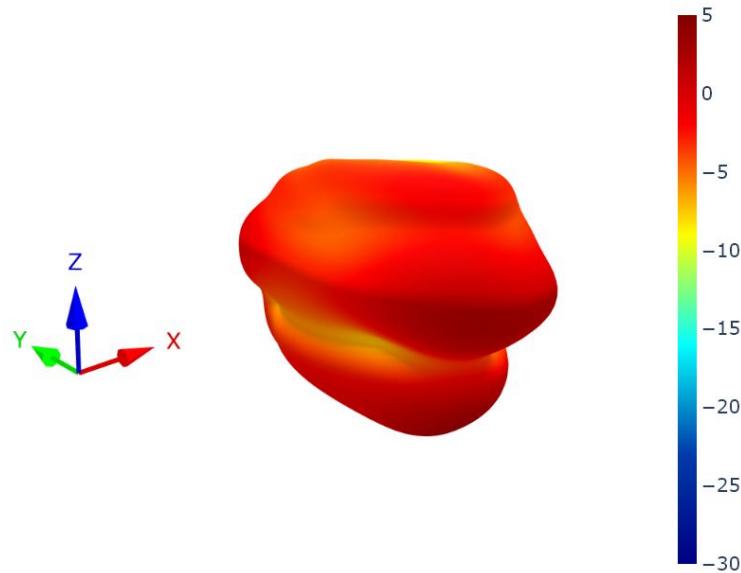
10.14 15x9cm Ground Plane Patterns at 1930MHz


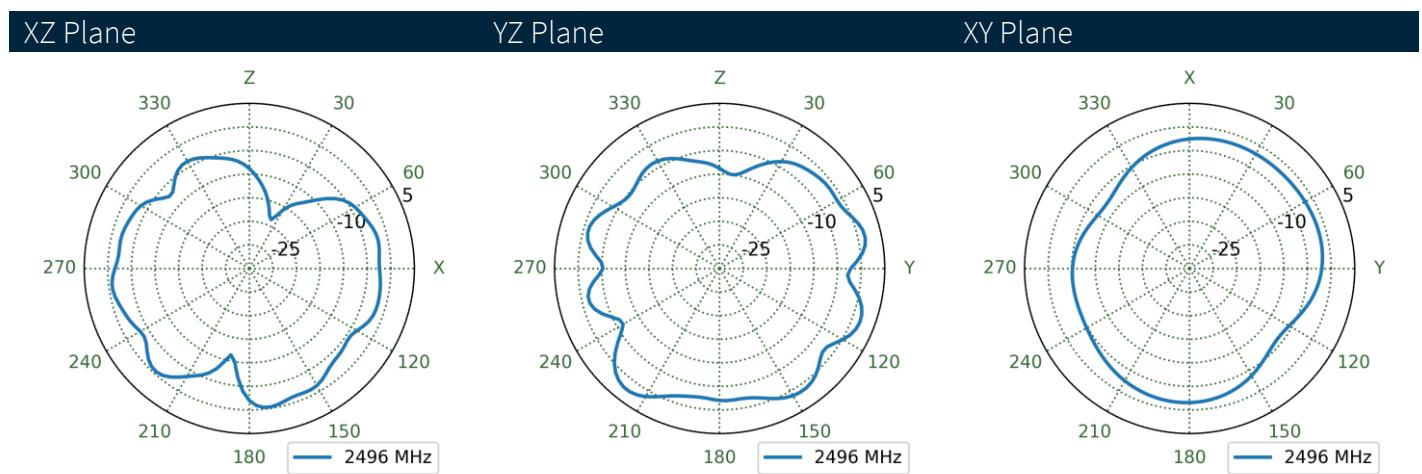
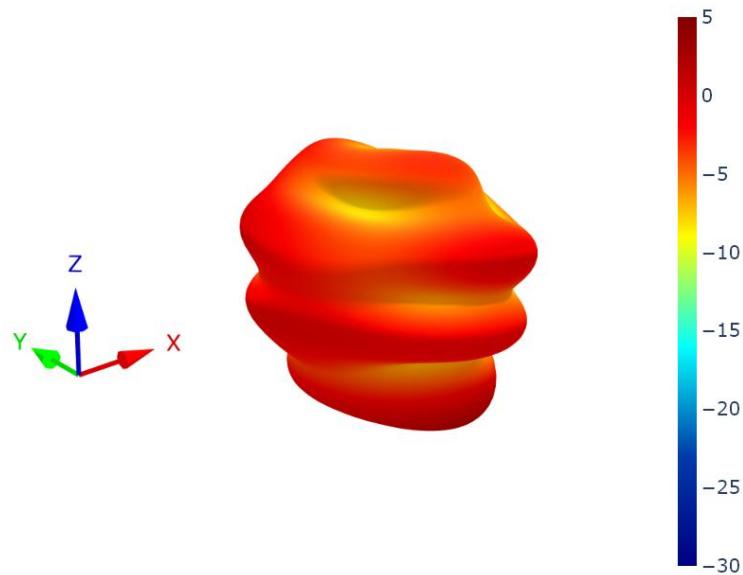
10.15 9x15cm Ground Plane Patterns at 1930MHz



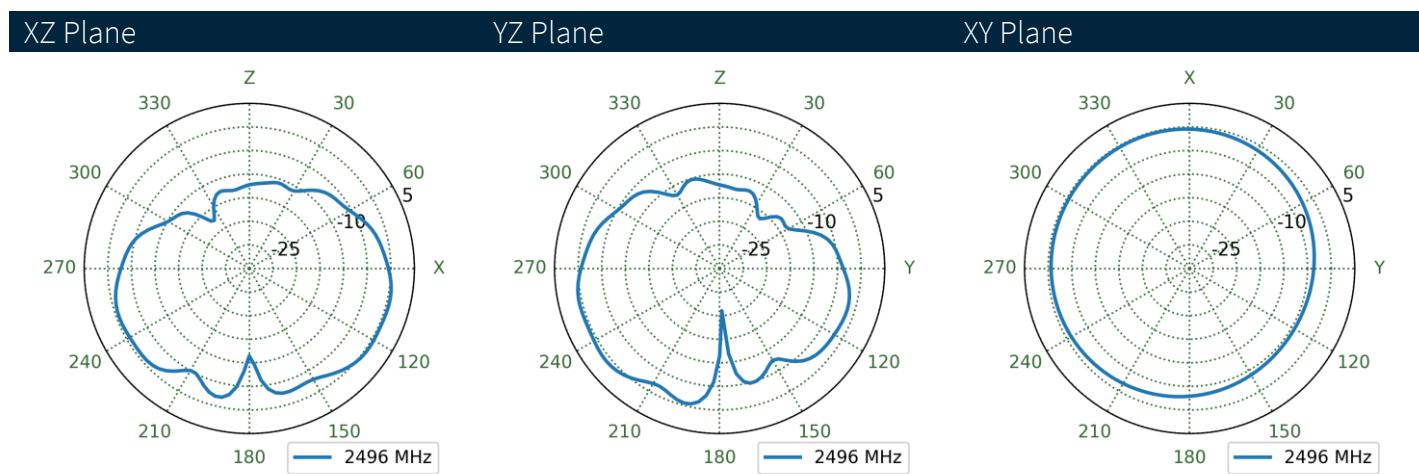
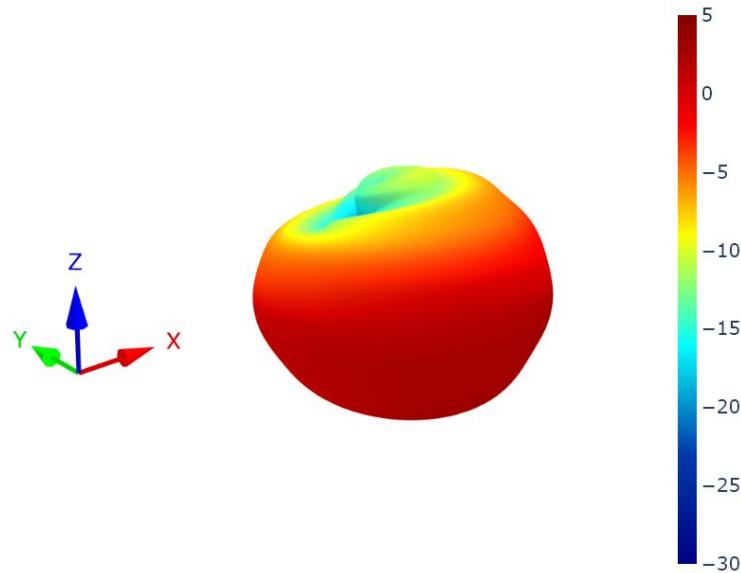
10.16 Free Space Patterns at 1930MHz



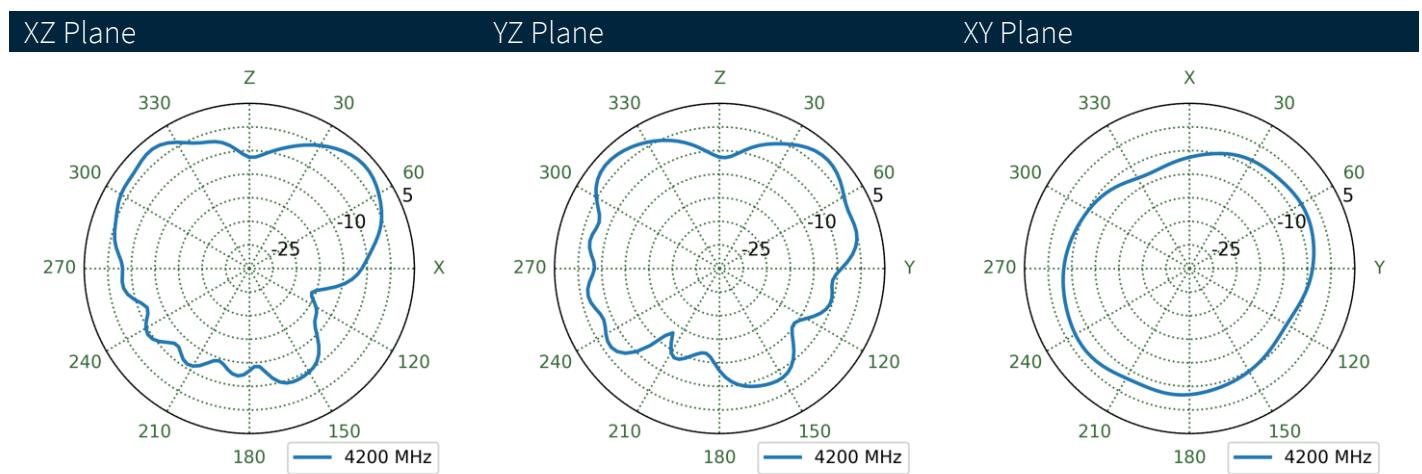
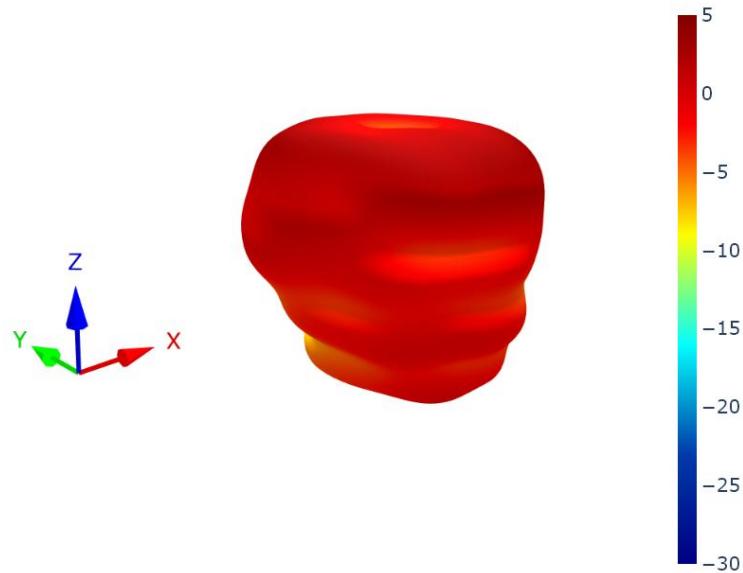
10.17 15x9cm Ground Plane Patterns at 2496MHz


10.18 9x15cm Ground Plane Patterns at 2496MHz


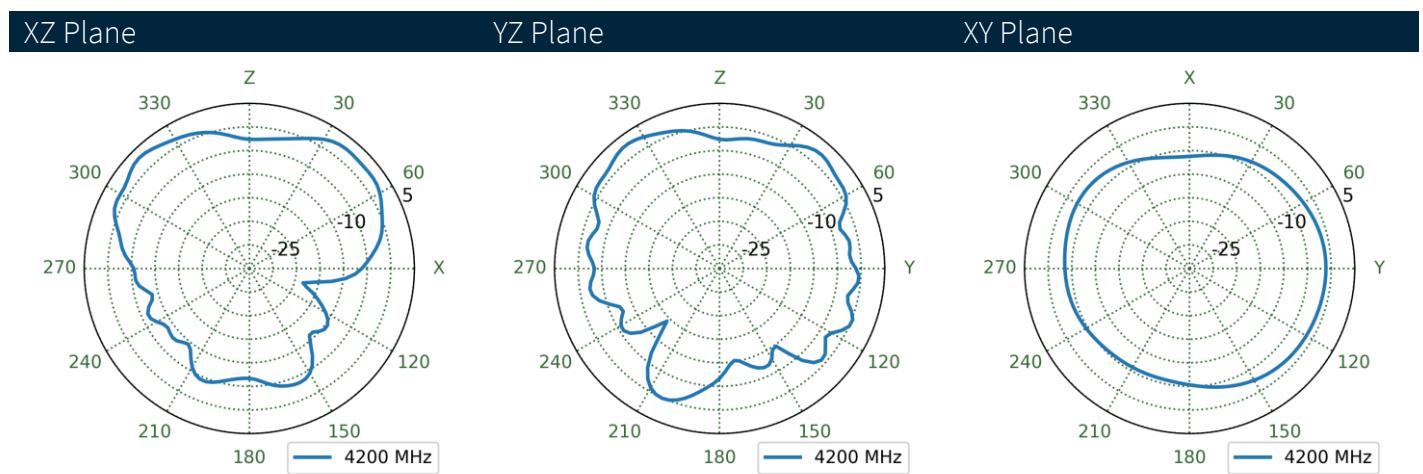
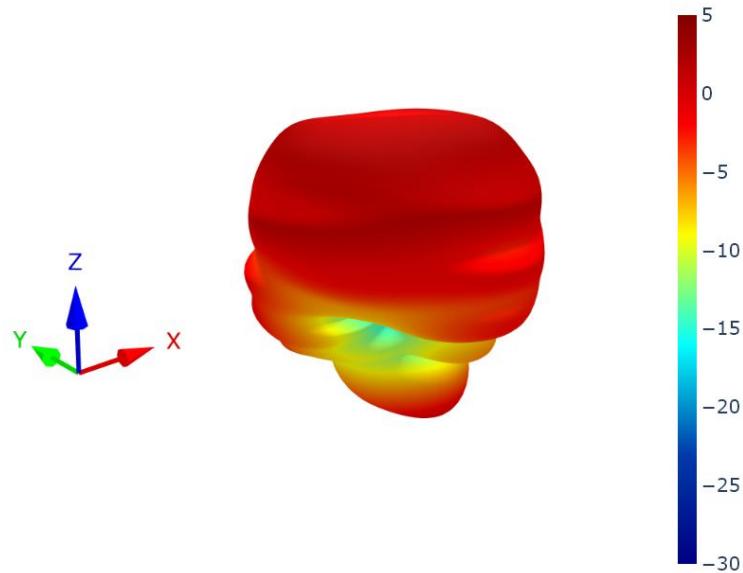
10.19 Free Space Patterns at 2496MHz



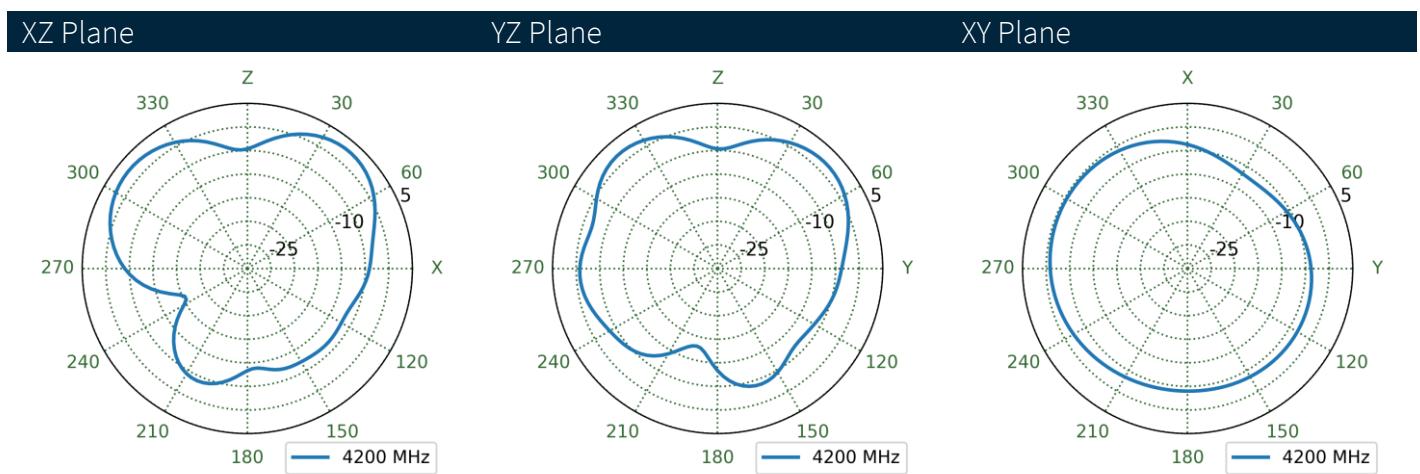
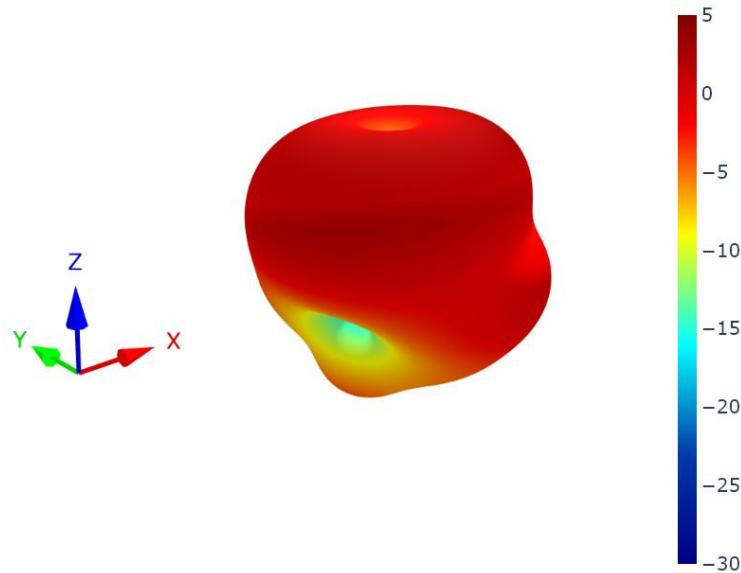
10.20 15x9cm Ground Plane Patterns at 4200MHz



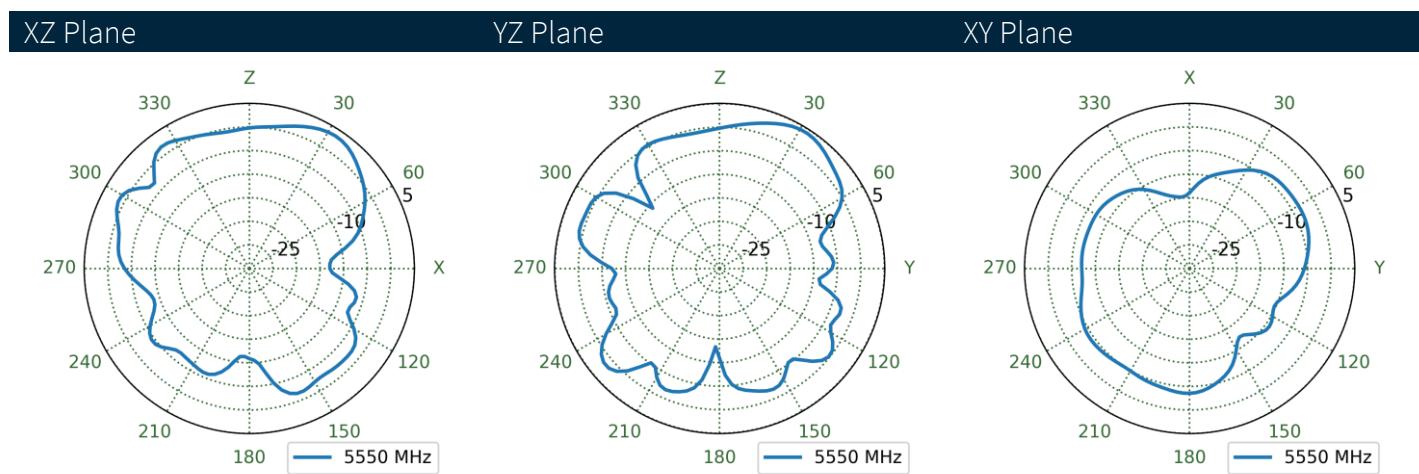
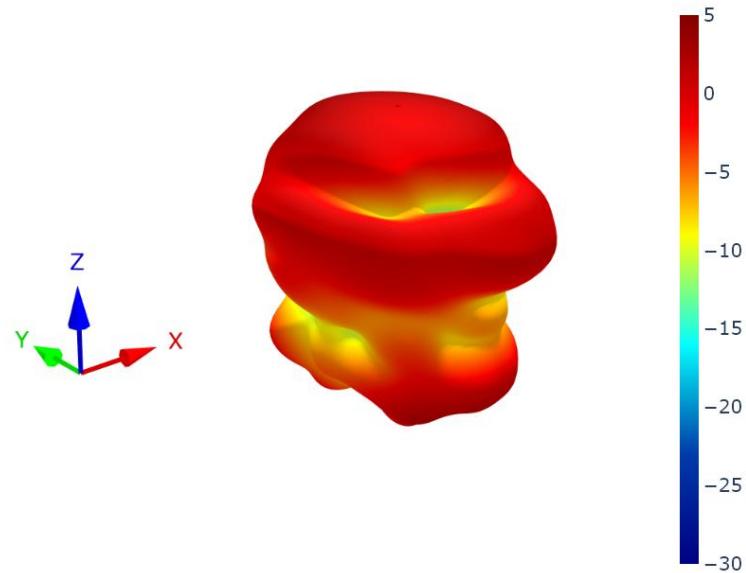
10.21 9x15cm Ground Plane Patterns at 4200MHz



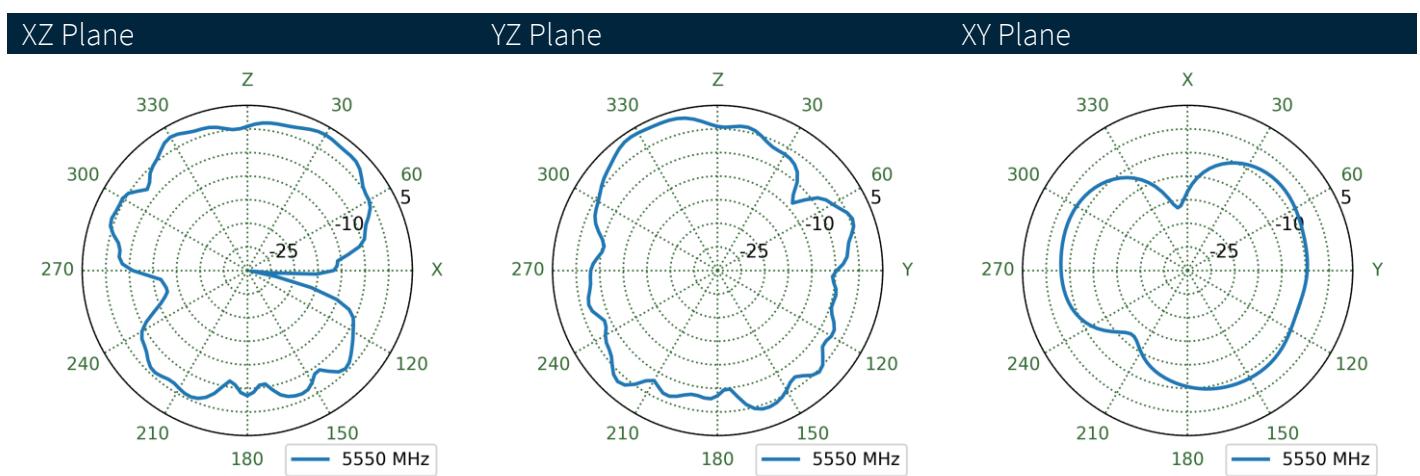
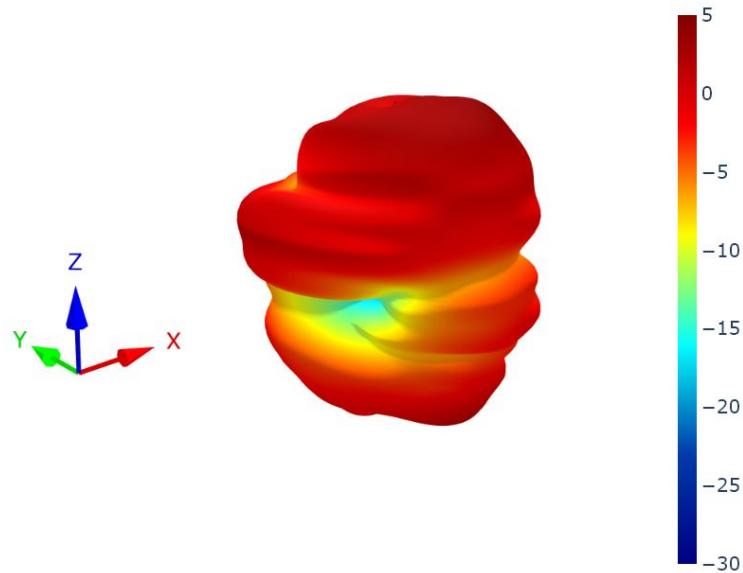
10.22 Free Space Patterns at 4200MHz



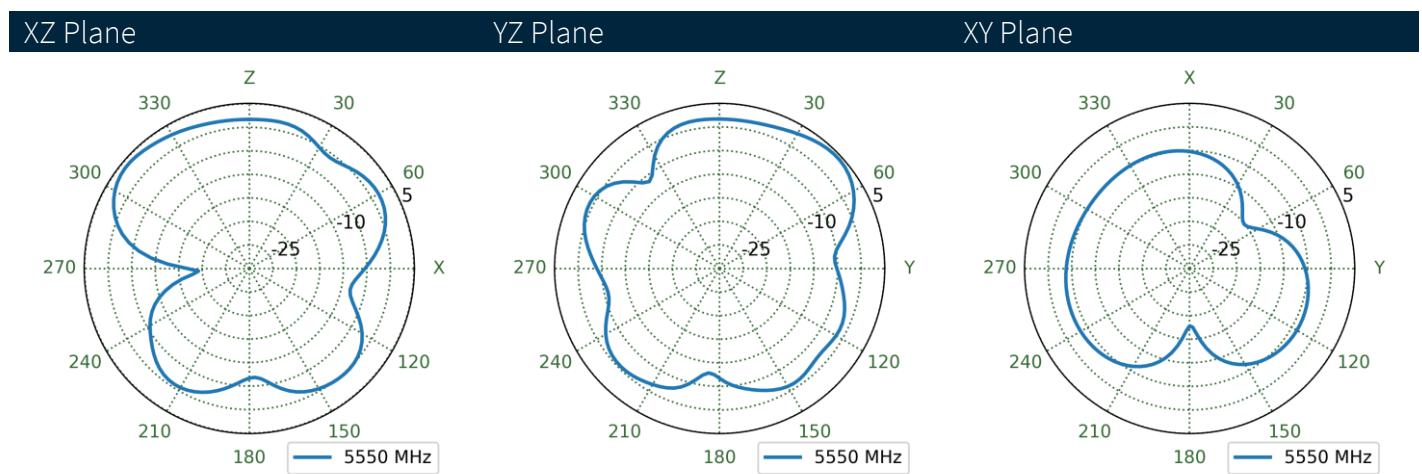
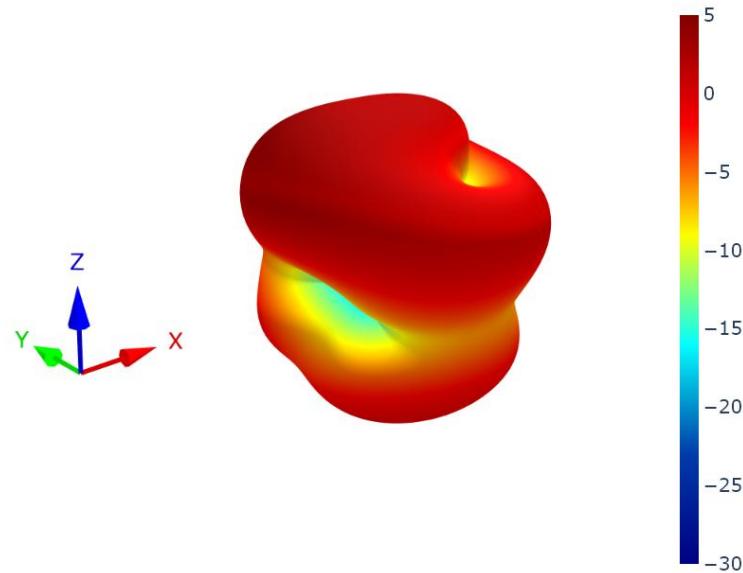
10.23 15x9cm Ground Plane Patterns at 5550MHz



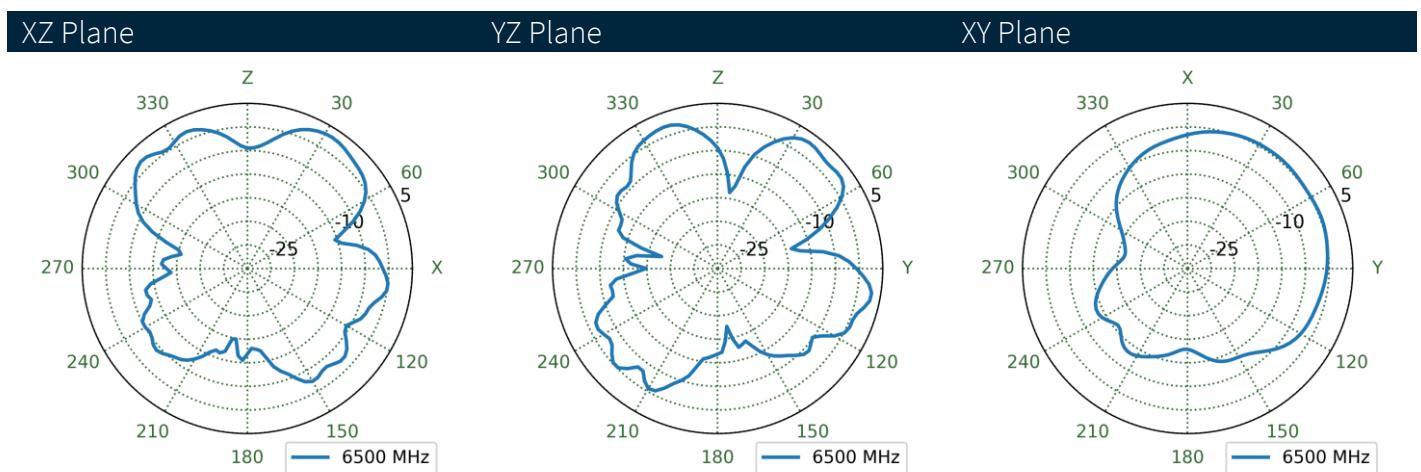
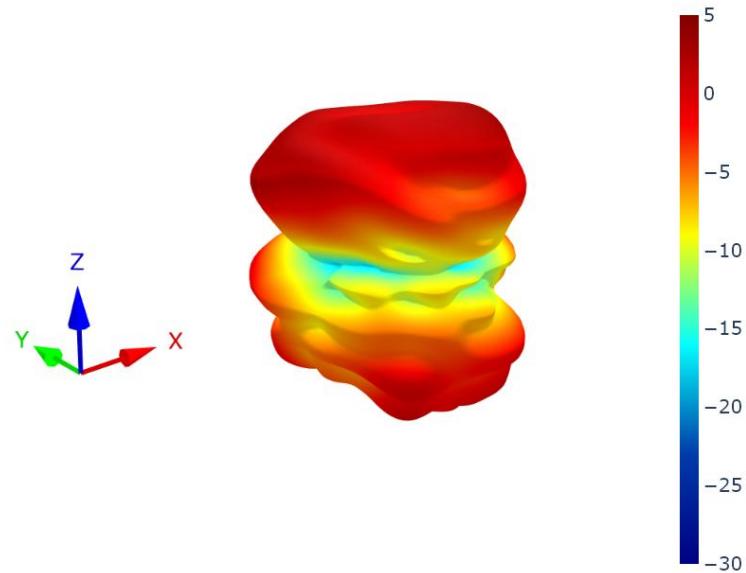
10.24 9x15cm Ground Plane Patterns at 5550MHz



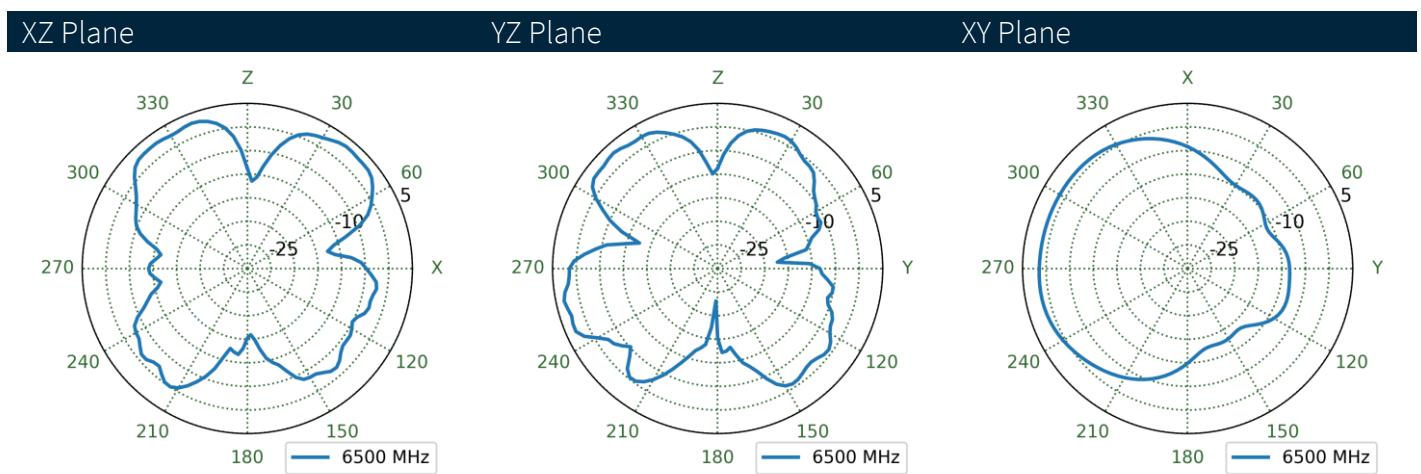
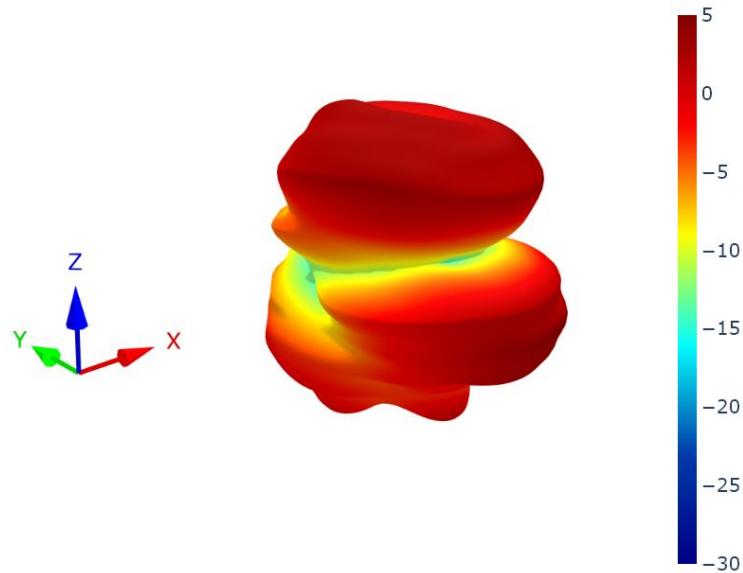
10.25 Free Space Patterns at 5550MHz



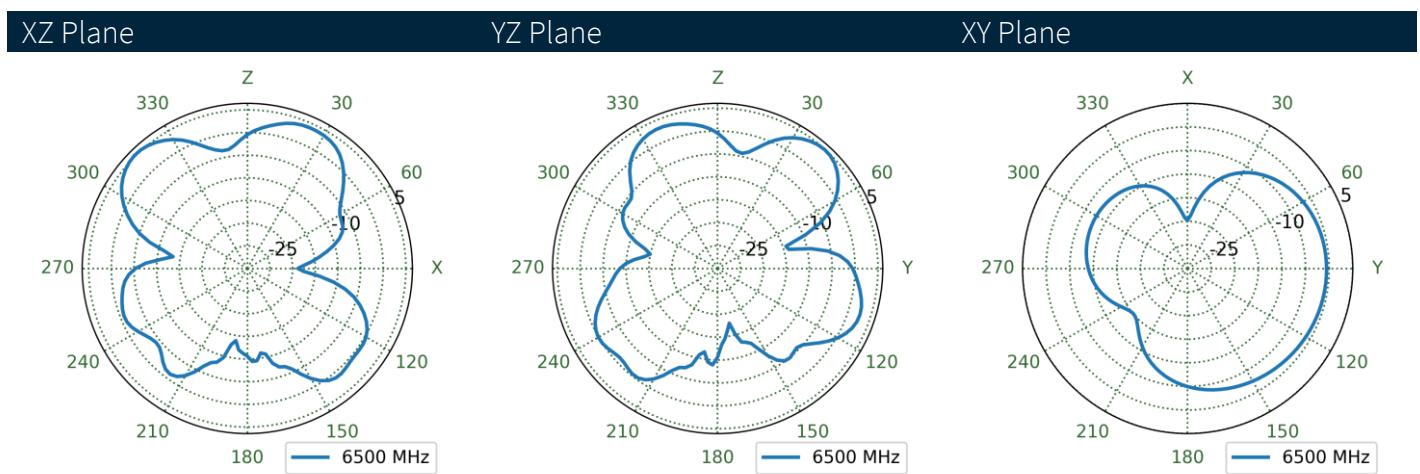
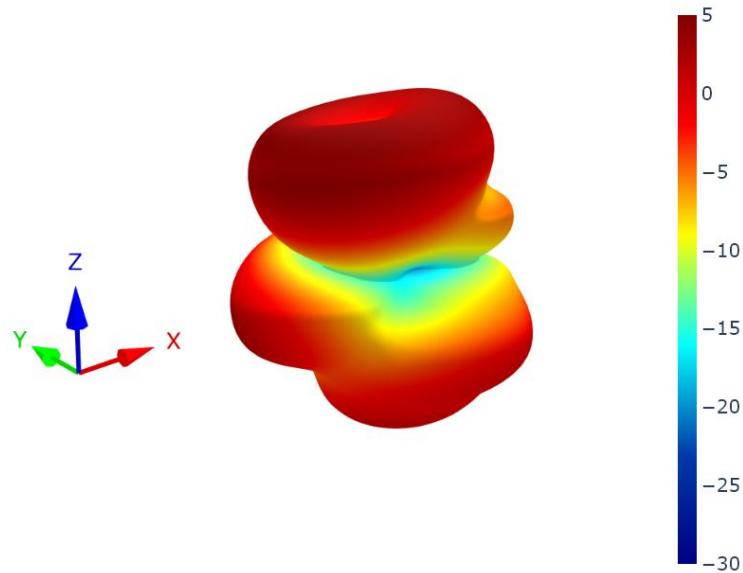
10.26 15x9cm Ground Plane Patterns at 6500MHz



10.27 9x15cm Ground Plane Patterns at 6500MHz



10.28 Free Space Patterns at 6500MHz



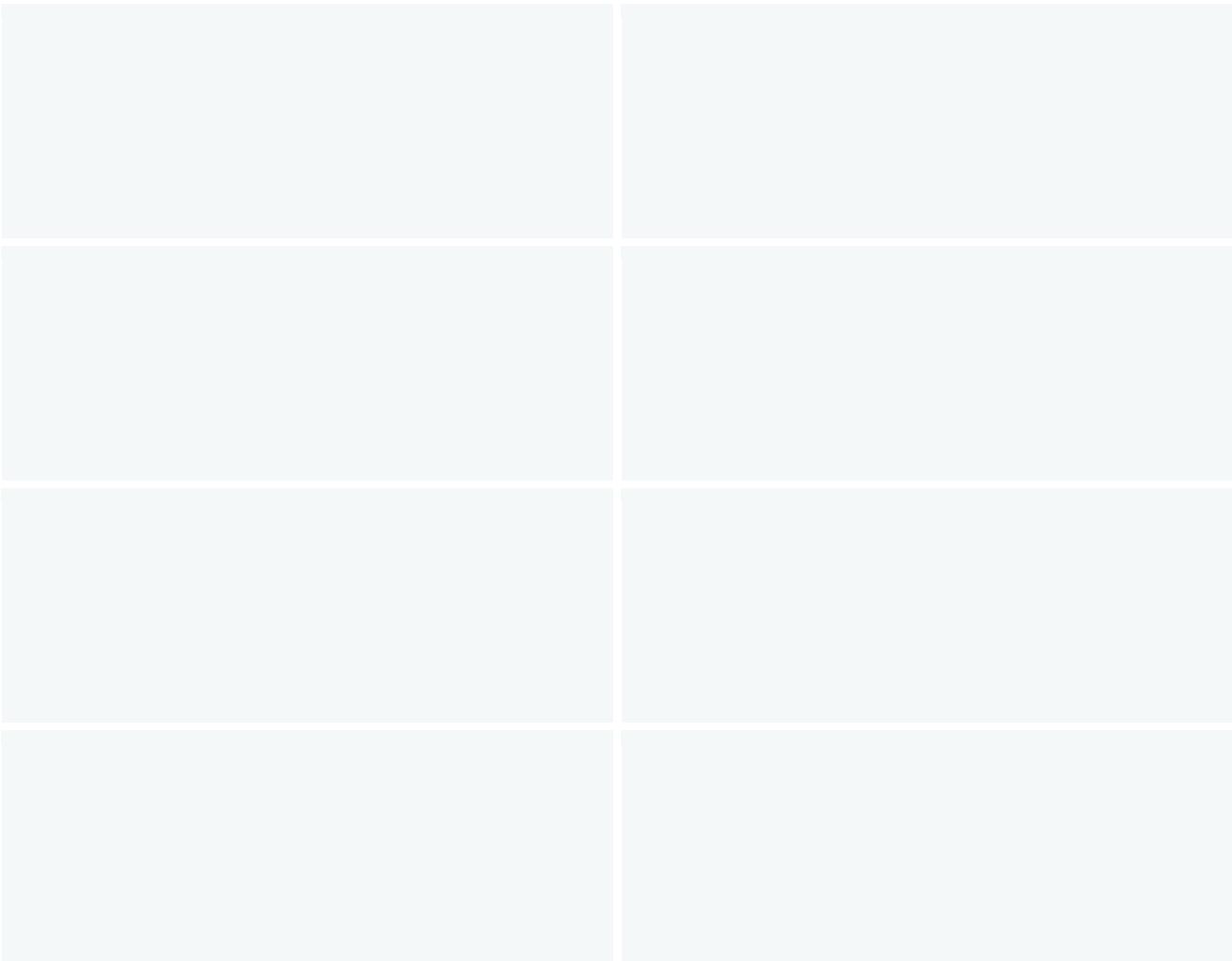
Changelog for the datasheet

SPE-24-8-227 – TU.66.3H31**Revision: B (Current Version)**

| | |
|---------|---|
| Date: | 2025-12-16 |
| Notes: | Updated max power input and iso logo on page 2. |
| Author: | Gary West |

Previous Revisions**Revision: A (Initial Release)**

| | |
|---------|---------------------------|
| Date: | 2024-09-13 |
| Notes: | Initial Datasheet Release |
| Author: | Gary West |





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