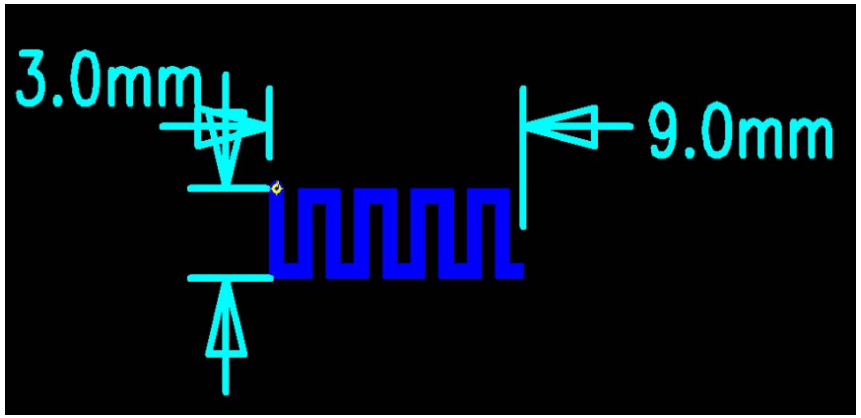
天线频段：2.4G～2.5G
型号：K600
商标：

天线类型：板载蛇形天线
尺寸：16.2mm*3.2mm




制造商信息：粤迅科技

Mobile Station OTA Receiver Performance

| | |
|---|---|
| infomation | |
| Start Time | 2019/8/10 10:15 |
| Finish Time | 2019/8/10 10:17 |
| Lab Name | Max860 |
| Operator | ATEN |
| Project Number | 20190810 |
| Manufacturer | BT |
| Model Name | PASSIVE2.4G |
| Hardware Verson | 1 |
| Software Verson | 3.6.1 Beta |
| Test Condition | Free Space |
| Tempurature | N/A |
| Humidity | N/A |
| Note | N/A |

Test List
2.4GHz
2.41GHz
2.42GHz
2.43GHz
2.44GHz
2.45GHz
2.46GHz
2.47GHz
2.48GHz
2.49GHz
2.5GHz

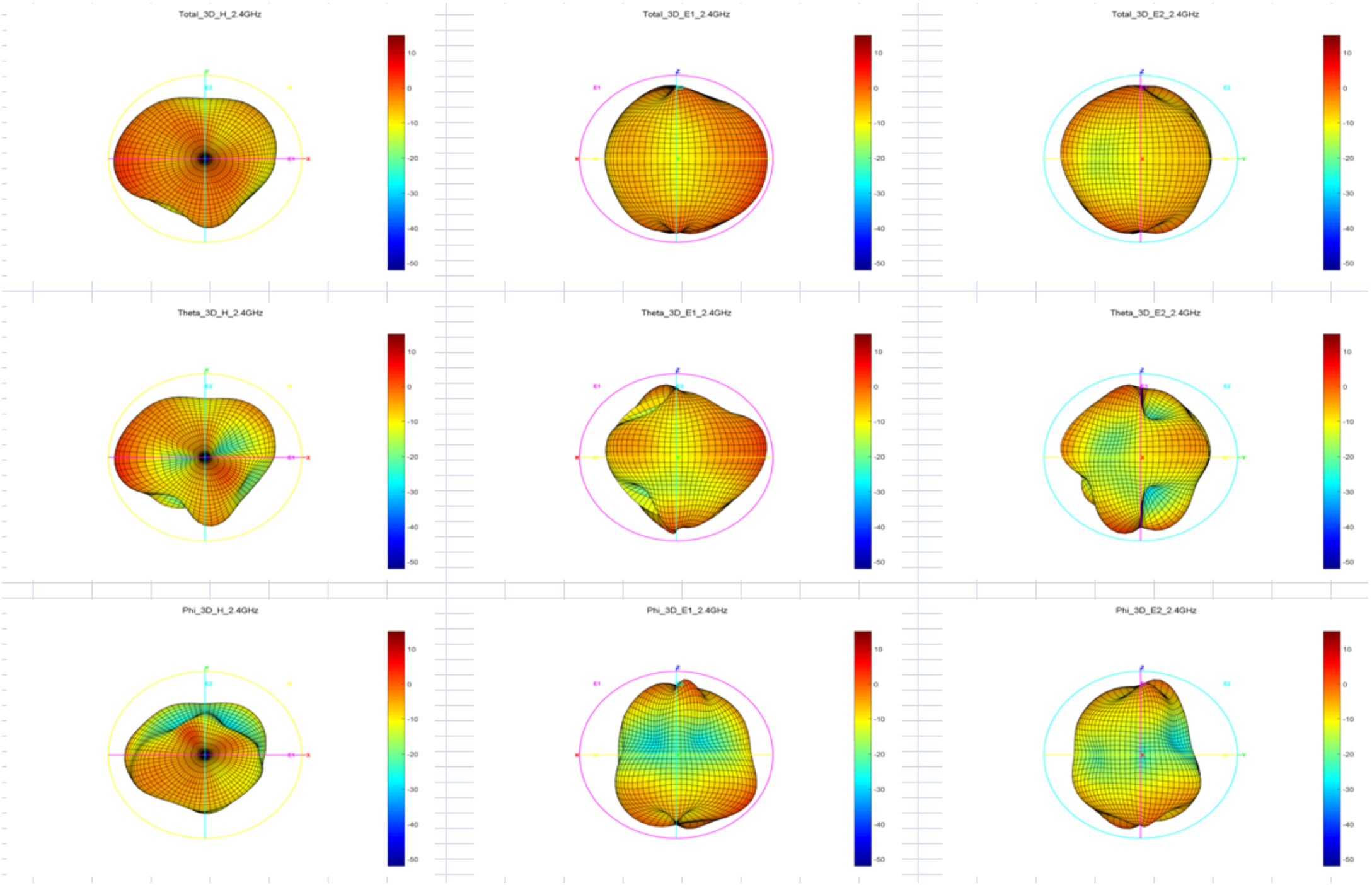
| Frequency | 2.4GHz | 2.41GHz | 2.42GHz | 2.43GHz | 2.44GHz | 2.45GHz | 2.46GHz | 2.47GHz | 2.48GHz | 2.49GHz | 2.5GHz |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Horizontal+Vertical | | | | | | | | | | | |
| Ant. Port Inp. Pow. (dBi) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rad. Pow. (dBi) | -3.8 | -4.02 | -4.09 | -4.31 | -4.49 | -4.6 | -4.84 | -4.97 | -5.05 | -5.14 | -5.27 |
| Rad. Pow. 0-90 (dBi) | -7.25 | -7.45 | -7.51 | -7.69 | -7.87 | -7.96 | -8.19 | -8.33 | -8.44 | -8.56 | -8.69 |
| Rad. Pow. 90-180 (dBi) | -6.41 | -6.64 | -6.73 | -6.97 | -7.15 | -7.29 | -7.53 | -7.65 | -7.71 | -7.78 | -7.91 |
| Peak EIRP (dBi) | 2.71 | 2.56 | 2.57 | 2.43 | 2.31 | 2.23 | 2.03 | 1.95 | 1.88 | 1.89 | 1.76 |
| Directivity (dBi) | 6.51 | 6.58 | 6.66 | 6.74 | 6.8 | 6.83 | 6.87 | 6.92 | 6.93 | 7.03 | 7.03 |
| Efficiency (dB) | -3.8 | -4.02 | -4.09 | -4.31 | -4.49 | -4.6 | -4.84 | -4.97 | -5.05 | -5.14 | -5.27 |
| Efficiency (%) | 41.69 | 39.63 | 38.99 | 37.07 | 35.56 | 34.67 | 32.81 | 31.84 | 31.26 | 30.62 | 29.72 |
| Gain (dBi) | 2.71 | 2.56 | 2.57 | 2.43 | 2.31 | 2.23 | 2.03 | 1.95 | 1.88 | 1.89 | 1.76 |
| NHPRP +/-30 (dBi) | -7.32 | -7.5 | -7.54 | -7.69 | -7.83 | -7.9 | -8.07 | -8.19 | -8.27 | -8.38 | -8.5 |
| NHPRP +/-45 (dBi) | -5.72 | -5.9 | -5.95 | -6.1 | -6.26 | -6.35 | -6.56 | -6.68 | -6.78 | -6.87 | -6.99 |
| Maximum H+V Value (dBi) | 2.71 | 2.56 | 2.57 | 2.43 | 2.31 | 2.23 | 2.03 | 1.95 | 1.88 | 1.89 | 1.76 |

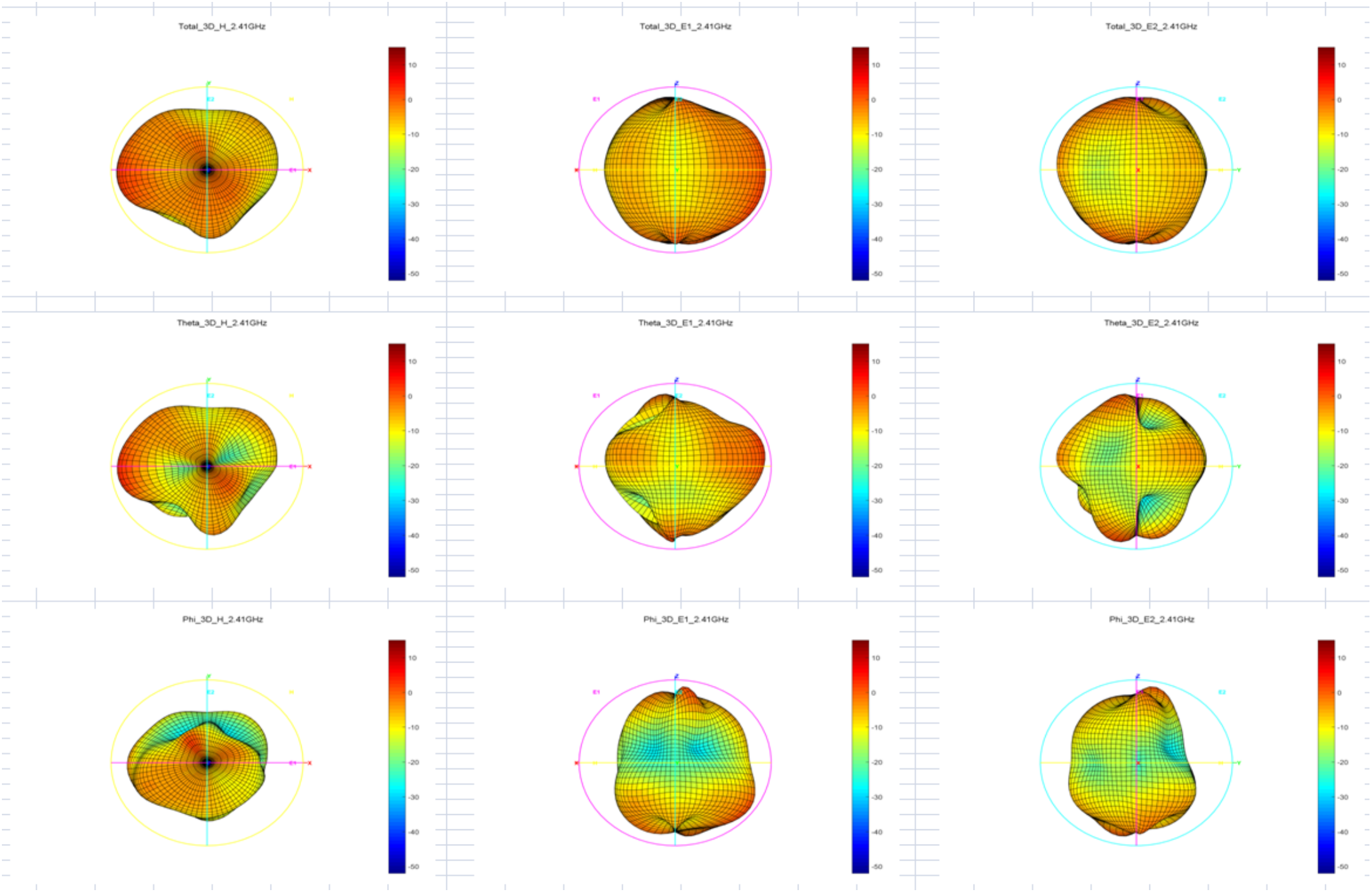
| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum H+V @ Theta (deg.) | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 |
| Maximum H+V @ Phi (deg.) | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 |
| Minimum H+V Value (dBi) | -15.08 | -15.26 | -15.25 | -15.31 | -15.61 | -16.36 | -17.21 | -18.34 | -19.43 | -20.89 | -22.24 |
| Minimum H+V @ Theta (deg.) | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
| Minimum H+V @ Phi (deg.) | 240 | 240 | 240 | 240 | 330 | 330 | 330 | 330 | 330 | 330 | 330 |
| | | | | | | | | | | | |
| Horizontal | | | | | | | | | | | |
| Ant. Port Inp. Pow. (dBi) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H Rad. Pow. (dBi) | -6.27 | -6.45 | -6.5 | -6.68 | -6.83 | -6.94 | -7.16 | -7.32 | -7.41 | -7.53 | -7.7 |
| H Rad. Pow. 0-90 (dBi) | -8.81 | -8.96 | -8.99 | -9.19 | -9.37 | -9.46 | -9.68 | -9.85 | -9.97 | -10.12 | -10.31 |
| H Rad. Pow. 90-180 (dBi) | -9.82 | -10.04 | -10.1 | -10.25 | -10.38 | -10.5 | -10.73 | -10.85 | -10.91 | -11 | -11.15 |
| H Peak EIRP (dBi) | 1.83 | 1.67 | 1.69 | 1.66 | 1.54 | 1.37 | 1.21 | 1.03 | 0.98 | 0.81 | 0.68 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| H Directivity (dBi) | 8.1 | 8.12 | 8.19 | 8.34 | 8.37 | 8.31 | 8.37 | 8.35 | 8.39 | 8.34 | 8.38 |
| H Efficiency (dB) | -6.27 | -6.45 | -6.5 | -6.68 | -6.83 | -6.94 | -7.16 | -7.32 | -7.41 | -7.53 | -7.7 |
| H Efficiency (%) | 23.6 | 22.65 | 22.39 | 21.48 | 20.75 | 20.23 | 19.23 | 18.54 | 18.16 | 17.66 | 16.98 |
| H Gain (dBi) | 1.83 | 1.67 | 1.69 | 1.66 | 1.54 | 1.37 | 1.21 | 1.03 | 0.98 | 0.81 | 0.68 |
| H NHPRP +/-30 (dBi) | -8.5 | -8.65 | -8.67 | -8.81 | -8.95 | -9.02 | -9.18 | -9.33 | -9.43 | -9.59 | -9.75 |
| H NHPRP +/-45 (dBi) | -7.43 | -7.57 | -7.59 | -7.73 | -7.88 | -7.97 | -8.15 | -8.31 | -8.42 | -8.56 | -8.73 |
| Maximum H Value (dBi) | 1.83 | 1.67 | 1.69 | 1.66 | 1.54 | 1.37 | 1.21 | 1.03 | 0.98 | 0.81 | 0.68 |
| Maximum H @ Theta (deg.) | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
| Maximum H @ Phi (deg.) | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 |
| Minimum H Value (dBi) | -26.47 | -25.85 | -24.7 | -24.5 | -25.72 | -28.63 | -34.17 | -29.52 | -27.48 | -30.23 | -32.04 |
| Minimum H @ Theta (deg.) | 150 | 150 | 150 | 150 | 90 | 90 | 90 | 90 | 60 | 60 | 60 |
| Minimum H @ Phi (deg.) | 30 | 30 | 30 | 30 | 240 | 240 | 240 | 240 | 330 | 330 | 330 |

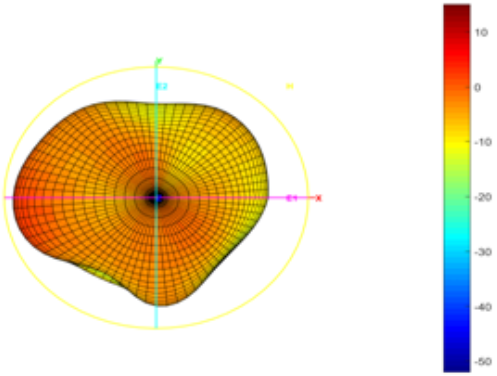
| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vertical Ant. Port Inp. Pow. (dBi) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| V Rad. Pow. (dBi) | -7.42 | -7.69 | -7.8 | -8.06 | -8.28 | -8.41 | -8.67 | -8.76 | -8.84 | -8.88 | -8.95 |
| V Rad. Pow. 0-90 (dBi) | -12.46 | -12.78 | -12.9 | -13.06 | -13.21 | -13.29 | -13.57 | -13.62 | -13.71 | -13.74 | -13.75 |
| V Rad. Pow. 90-180 (dBi) | -9.06 | -9.3 | -9.41 | -9.72 | -9.96 | -10.11 | -10.37 | -10.47 | -10.55 | -10.59 | -10.7 |
| V Peak EIRP (dBi) | 1.87 | 1.73 | 1.71 | 1.55 | 1.37 | 1.26 | 1.02 | 0.92 | 0.88 | 0.9 | 0.79 |
| V Directivity (dBi) | 9.29 | 9.42 | 9.51 | 9.61 | 9.65 | 9.67 | 9.69 | 9.68 | 9.72 | 9.78 | 9.74 |
| V Efficiency (dB) | -7.42 | -7.69 | -7.8 | -8.06 | -8.28 | -8.41 | -8.67 | -8.76 | -8.84 | -8.88 | -8.95 |
| V Efficiency (%) | 18.11 | 17.02 | 16.6 | 15.63 | 14.86 | 14.42 | 13.58 | 13.3 | 13.06 | 12.94 | 12.74 |
| V Gain (dBi) | 1.87 | 1.73 | 1.71 | 1.55 | 1.37 | 1.26 | 1.02 | 0.92 | 0.88 | 0.9 | 0.79 |
| V NHPRP +/-30 (dBi) | -13.55 | -13.84 | -13.93 | -14.11 | -14.26 | -14.33 | -14.54 | -14.56 | -14.57 | -14.52 | -14.51 |
| V NHPRP +/-45 (dBi) | -10.59 | -10.86 | -10.95 | -11.15 | -11.33 | -11.42 | -11.68 | -11.74 | -11.8 | -11.79 | -11.81 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum V Value (dBi) | 1.87 | 1.73 | 1.71 | 1.55 | 1.37 | 1.26 | 1.02 | 0.92 | 0.88 | 0.9 | 0.79 |
| Maximum V @ Theta (deg.) | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 |
| Maximum V @ Phi (deg.) | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 |
| Minimum V Value (dBi) | -25.34 | -27.4 | -30.48 | -34.95 | -45.63 | -45.24 | -37.56 | -34.15 | -32.02 | -31.76 | -32.86 |
| Minimum V @ Theta (deg.) | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 90 | 60 | 60 |
| Minimum V @ Phi (deg.) | 60 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 30 | 30 |

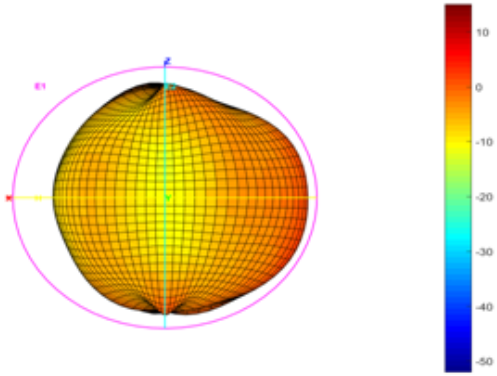

Total_3D_H_2.4GHz
Total_3D_E1_2.4GHz
Total_3D_E2_2.4GHz
Theta_3D_H_2.4GHz
Theta_3D_E1_2.4GHz
Theta_3D_E2_2.4GHz
Phi_3D_H_2.4GHz
Phi_3D_E1_2.4GHz
Phi_3D_E2_2.4GHz
10
0
-10
-20
-30
-40
-50


Total_3D_H_2.41GHz
Total_3D_E1_2.41GHz
Total_3D_E2_2.41GHz
Theta_3D_H_2.41GHz
Theta_3D_E1_2.41GHz
Theta_3D_E2_2.41GHz
Phi_3D_H_2.41GHz
Phi_3D_E1_2.41GHz
Phi_3D_E2_2.41GHz
10
0
-10
-20
-30
-40
-50

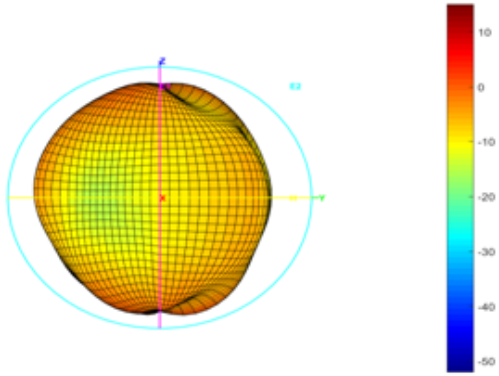
Total_3D_H_2.42GHz



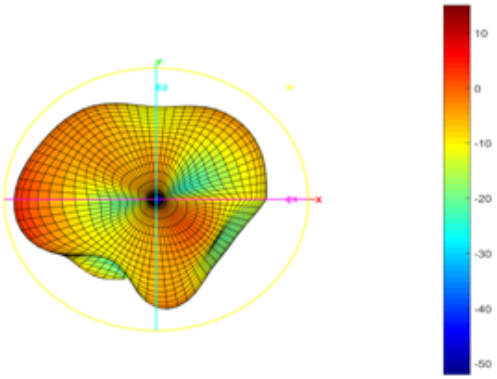

Total_3D_E1_2.42GHz



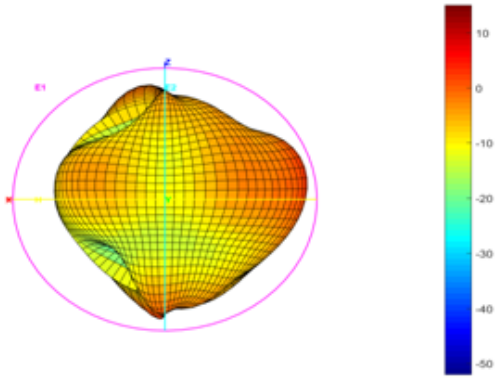

Total_3D_E2_2.42GHz



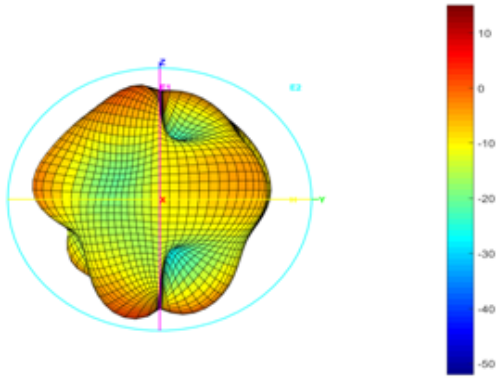

Theta_3D_H_2.42GHz



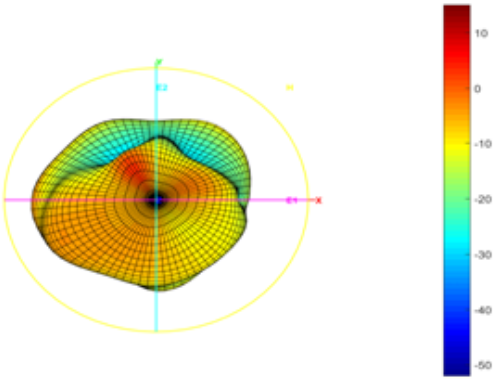

Theta_3D_E1_2.42GHz



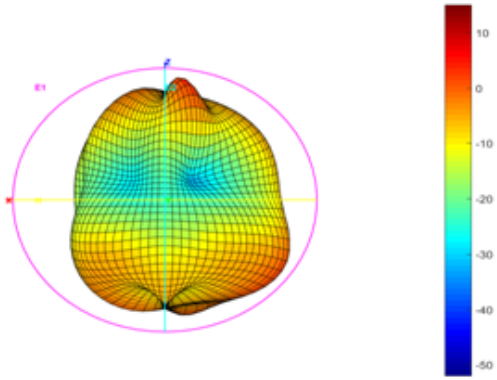

Theta_3D_E2_2.42GHz



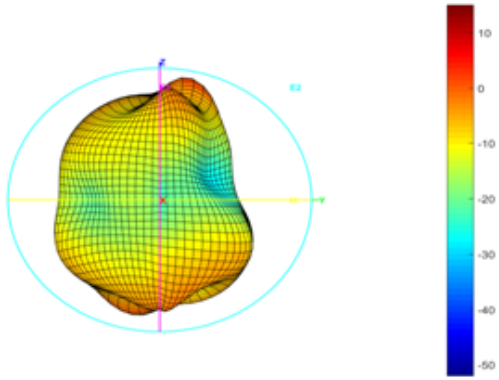

Phi_3D_H_2.42GHz

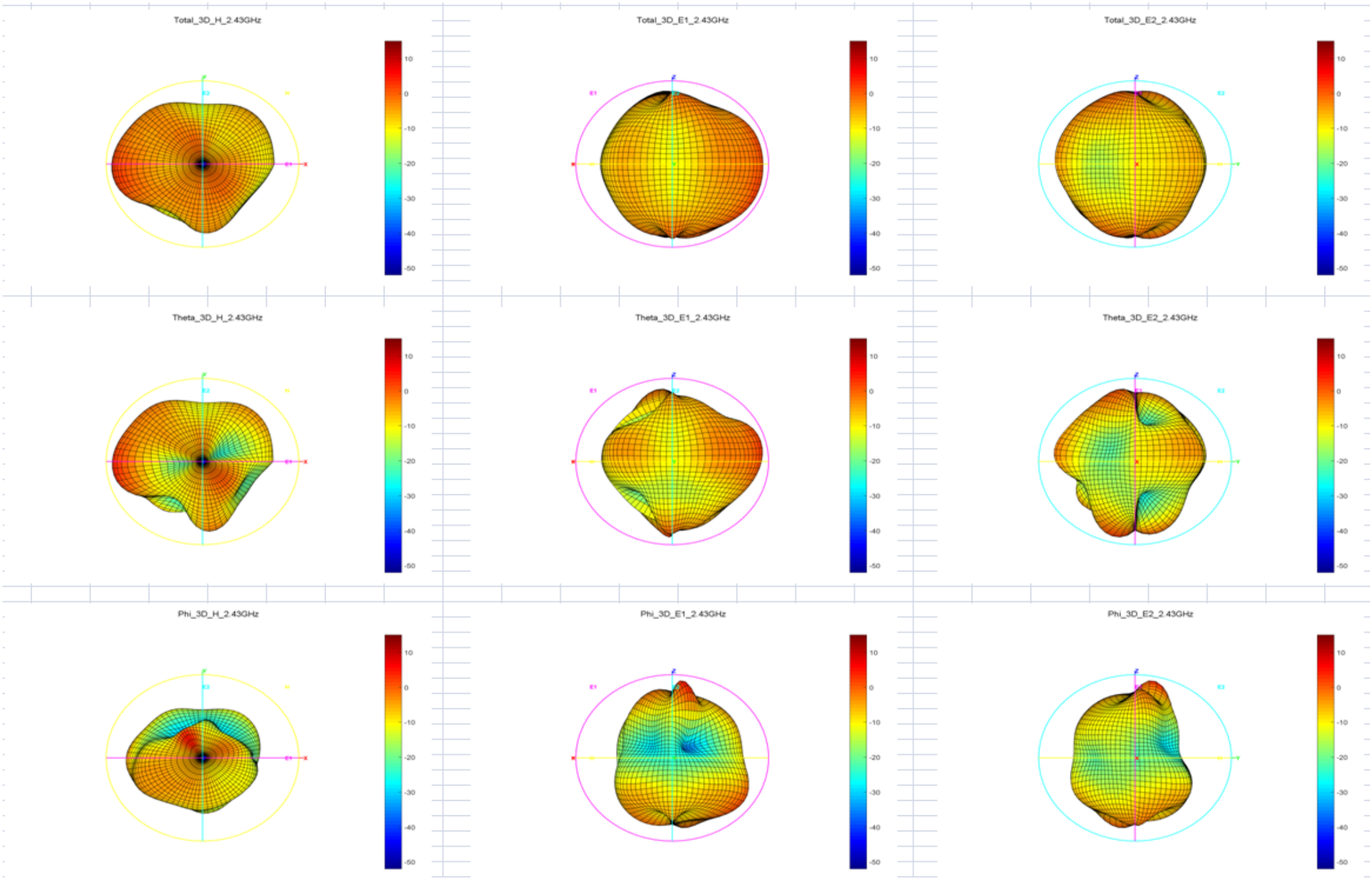



Phi_3D_E1_2.42GHz

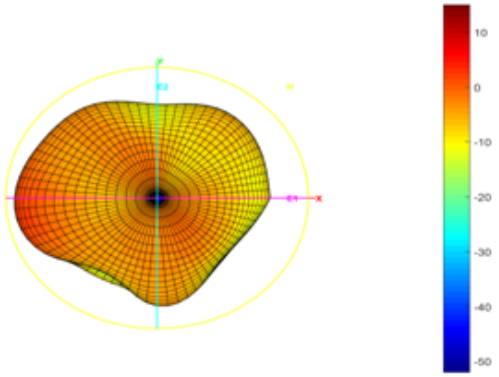



Phi_3D_E2_2.42GHz

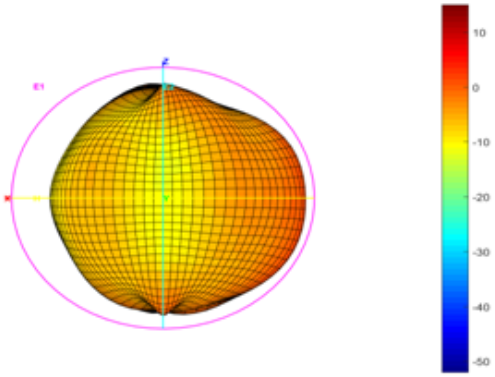



Total_3D_H_2.43GHz
Total_3D_E1_2.43GHz
Total_3D_E2_2.43GHz
Theta_3D_H_2.43GHz
Theta_3D_E1_2.43GHz
Theta_3D_E2_2.43GHz
Phi_3D_H_2.43GHz
Phi_3D_E1_2.43GHz
Phi_3D_E2_2.43GHz
10
0
-10
-20
-30
-40
-50

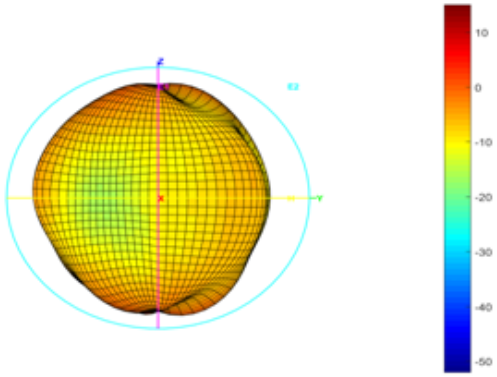
Total_3D_H_2.44GHz



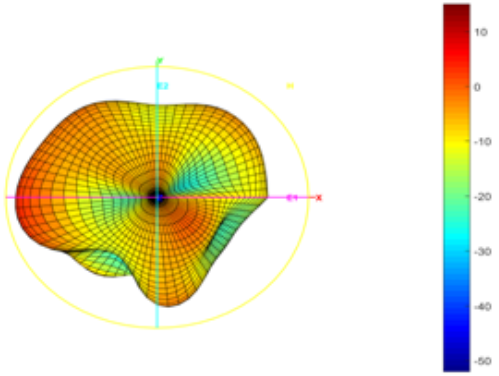

Total_3D_E1_2.44GHz



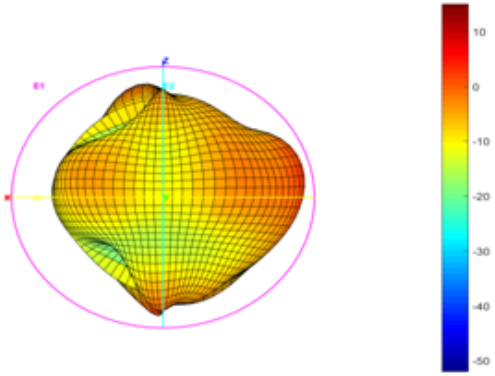

Total_3D_E2_2.44GHz



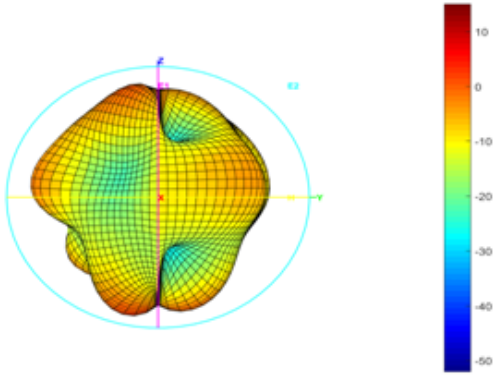

Theta_3D_H_2.44GHz



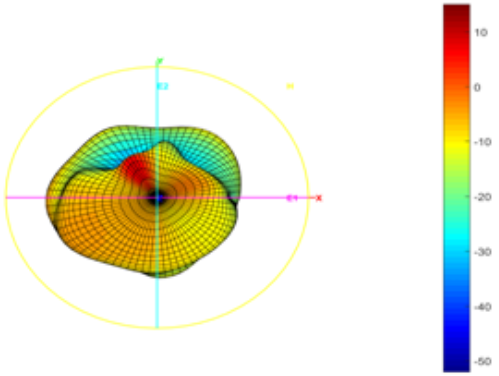

Theta_3D_E1_2.44GHz



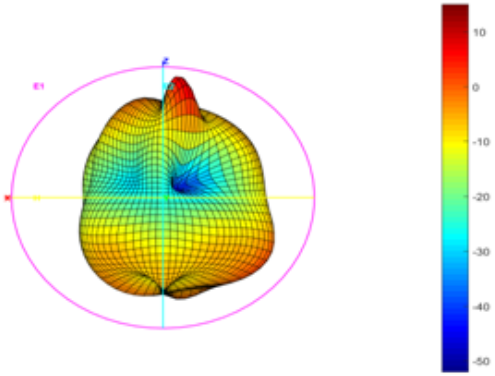

Theta_3D_E2_2.44GHz



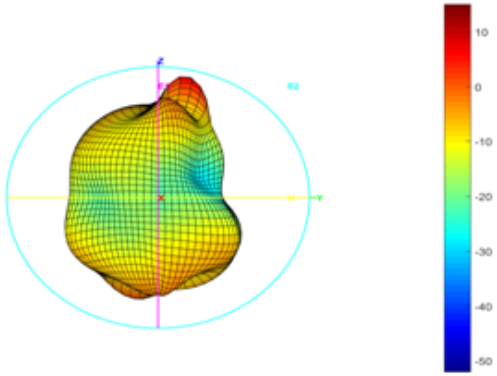

Phi_3D_H_2.44GHz

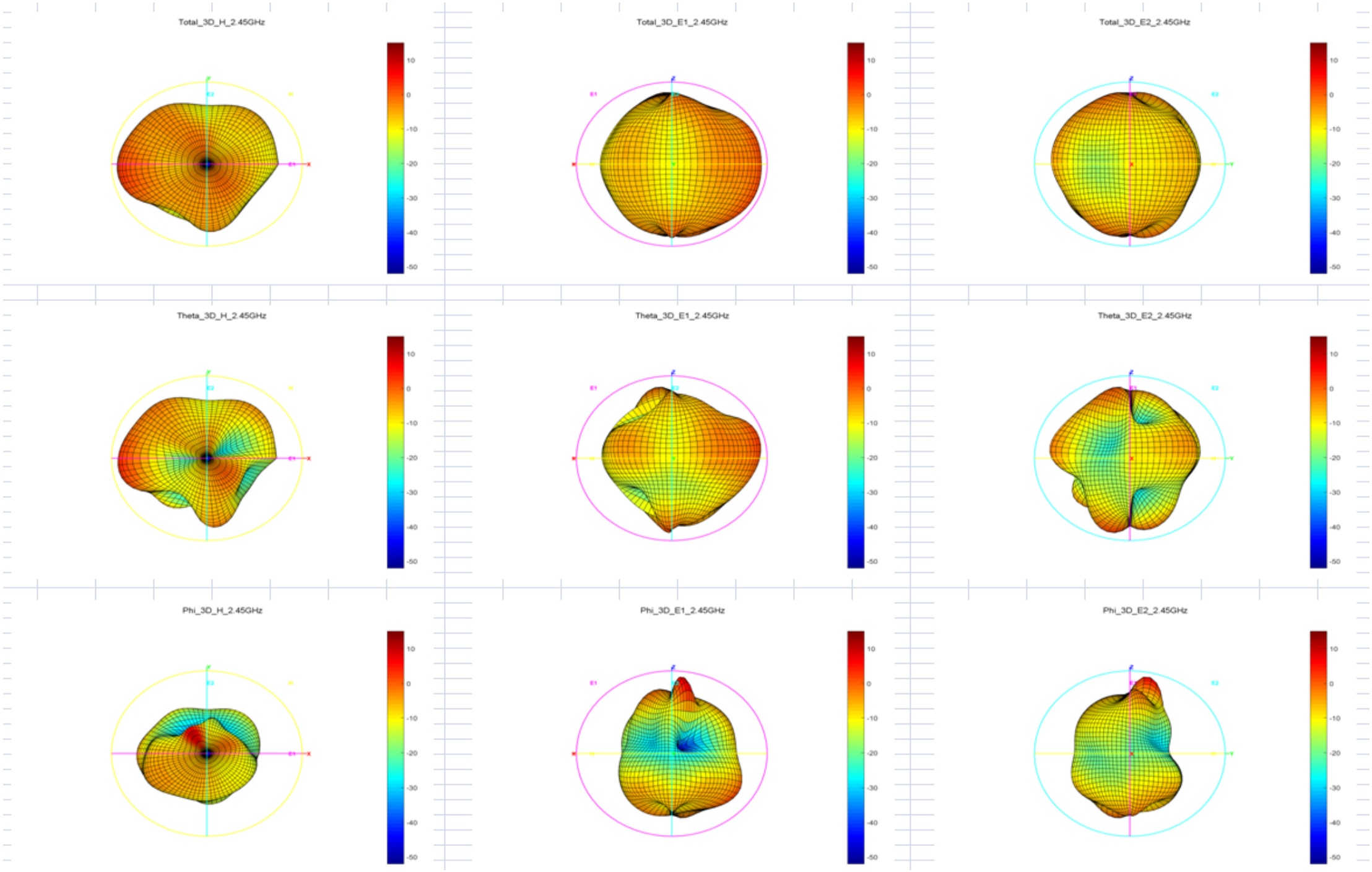



Phi_3D_E1_2.44GHz

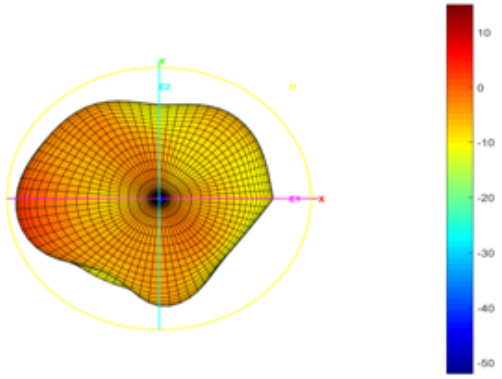



Phi_3D_E2_2.44GHz

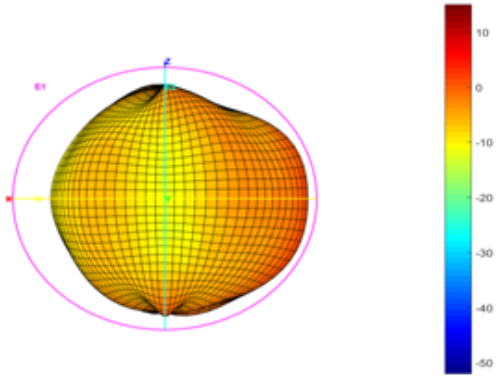



Total_3D_H_2.45GHz
Total_3D_E1_2.45GHz
Total_3D_E2_2.45GHz
Theta_3D_H_2.45GHz
Theta_3D_E1_2.45GHz
Theta_3D_E2_2.45GHz
Phi_3D_H_2.45GHz
Phi_3D_E1_2.45GHz
Phi_3D_E2_2.45GHz
10
0
-10
-20
-30
-40
-50

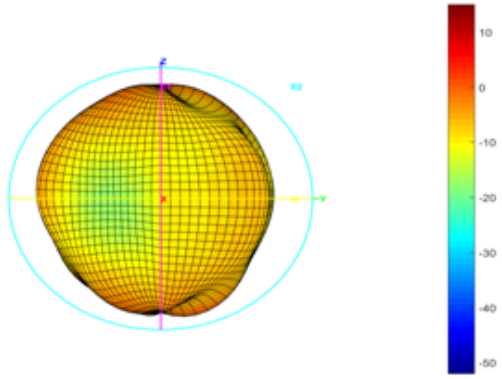
Total_3D_H_2.46GHz



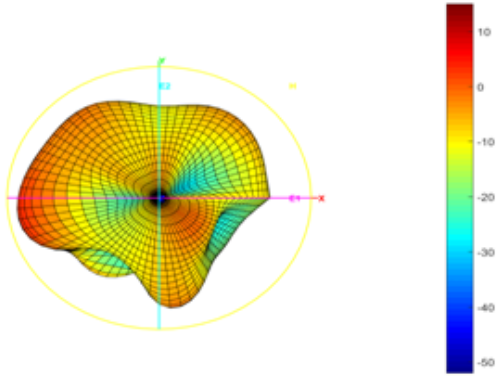

Total_3D_E1_2.46GHz



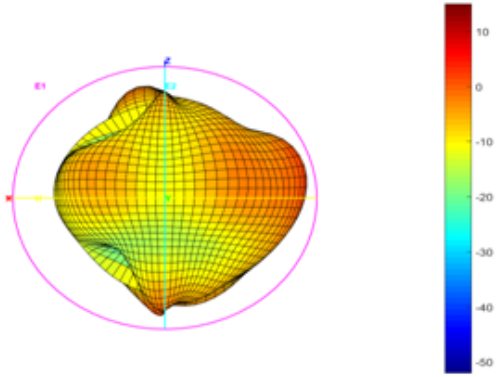

Total_3D_E2_2.46GHz




Theta_3D_H_2.46GHz




Theta_3D_E1_2.46GHz

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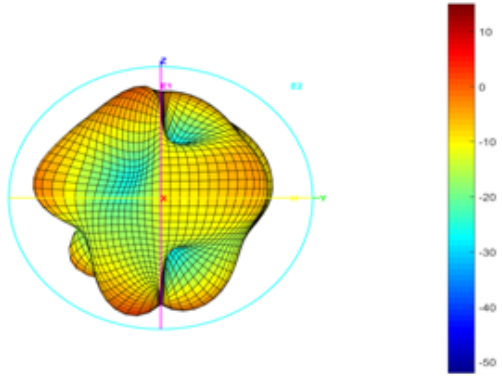


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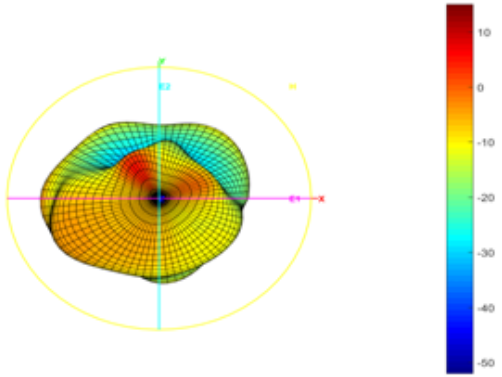


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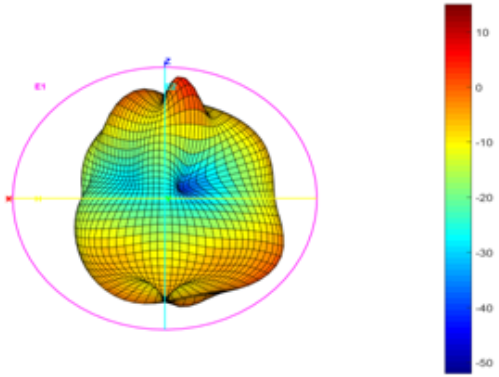


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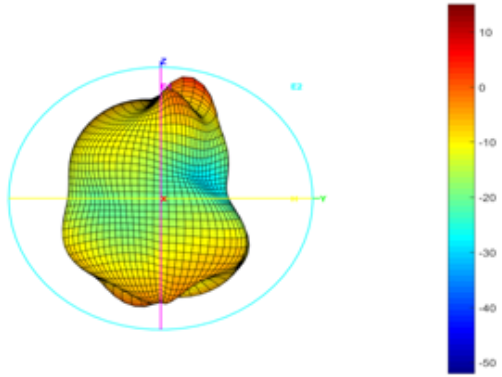

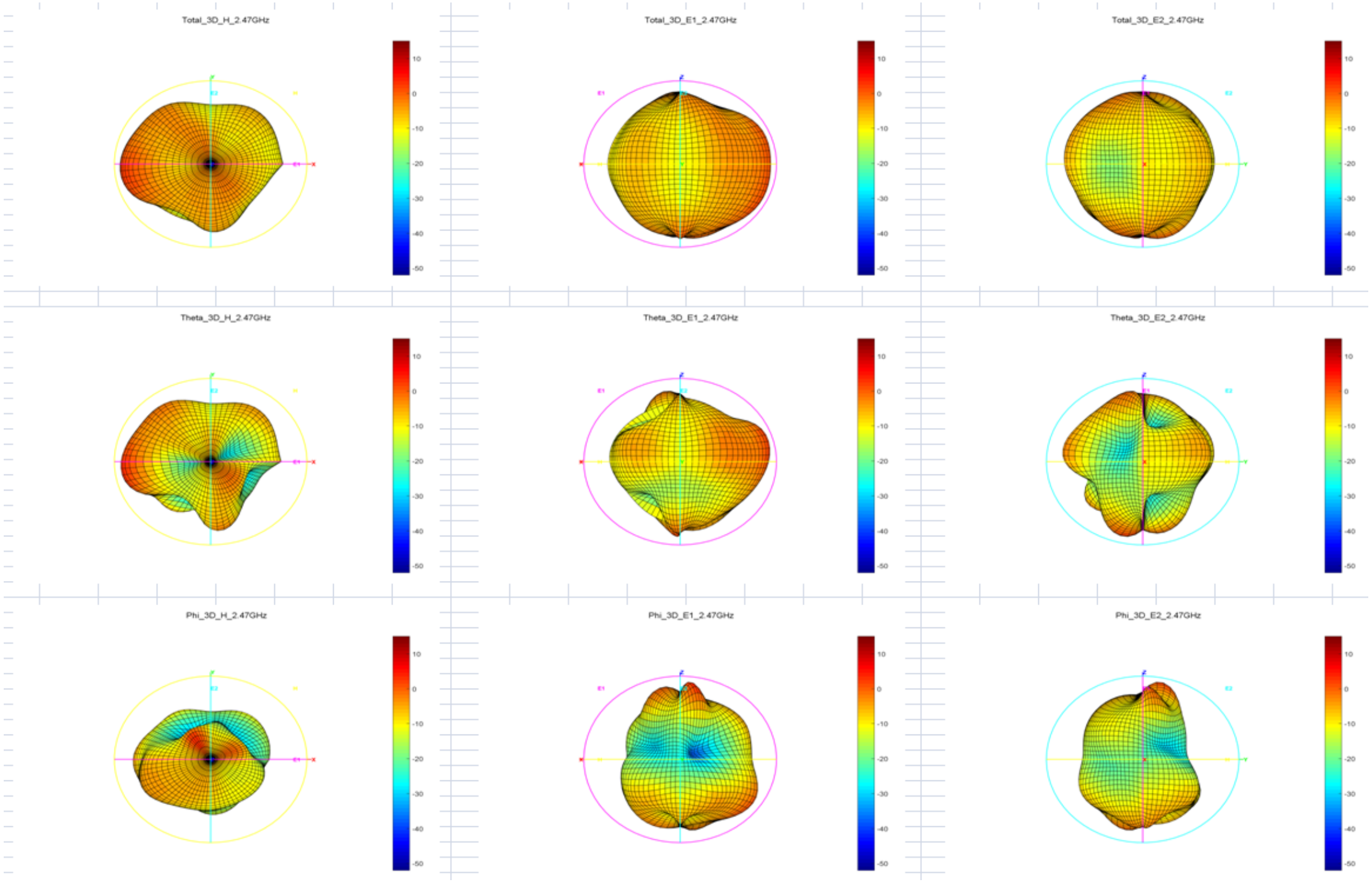
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Total_3D_E1_2.47GHz
Total_3D_E2_2.47GHz
Theta_3D_H_2.47GHz
Theta_3D_E1_2.47GHz
Theta_3D_E2_2.47GHz
Phi_3D_H_2.47GHz
Phi_3D_E1_2.47GHz
Phi_3D_E2_2.47GHz
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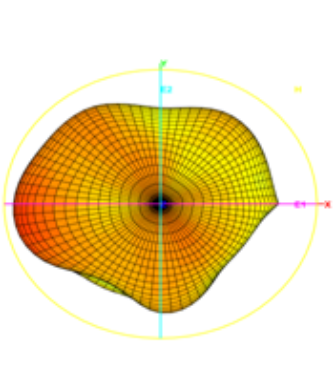
0
-10
-20
-30
-40
-50

Total_3D_H_2.48GHz

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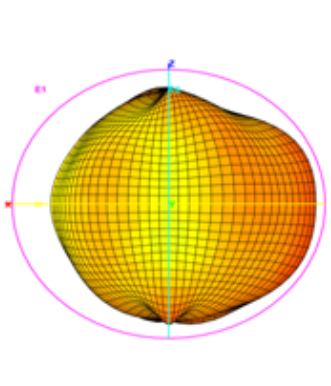


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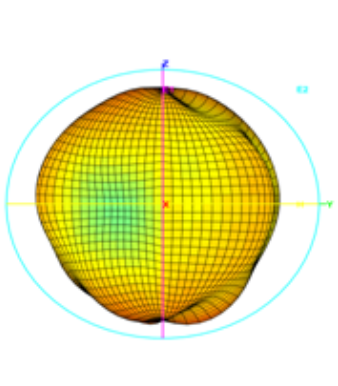


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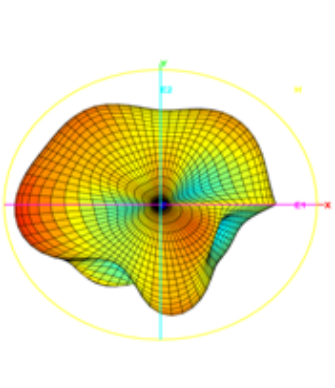


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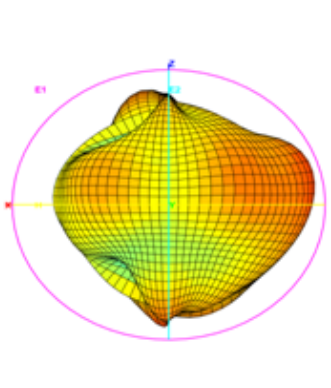


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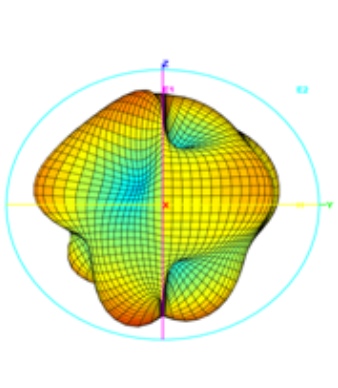


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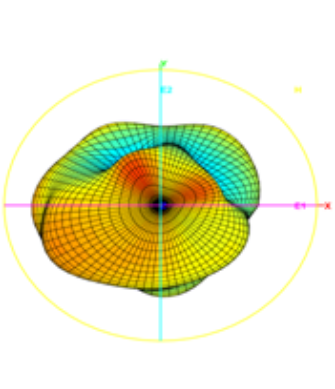


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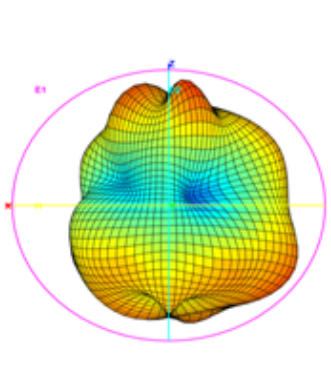


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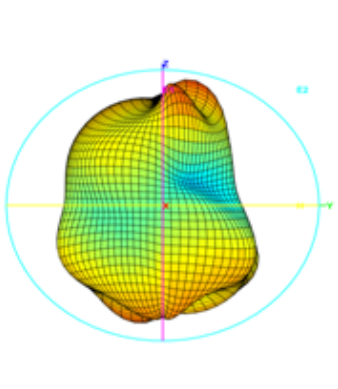

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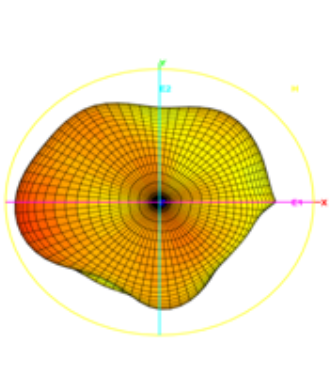


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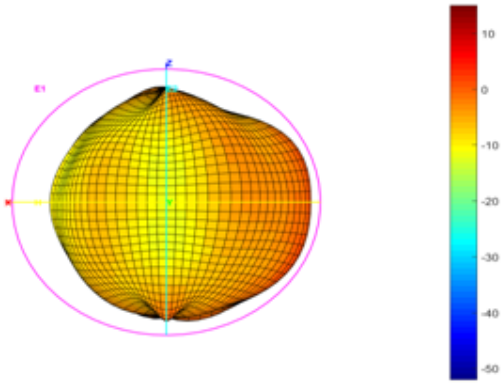


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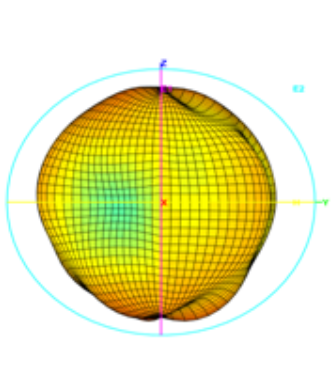


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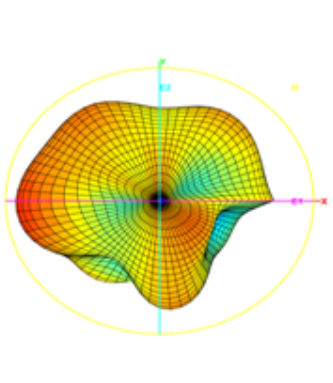


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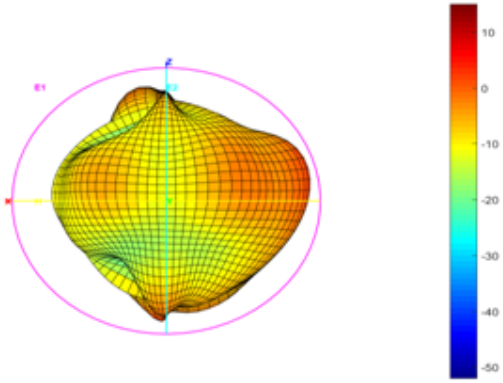


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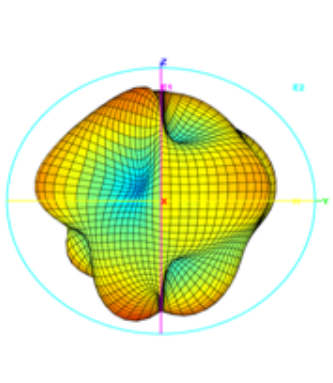


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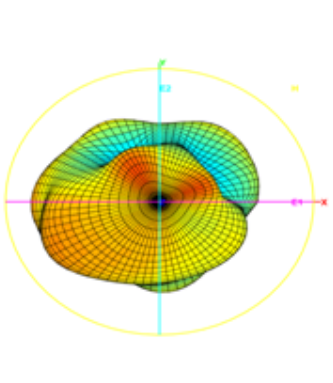


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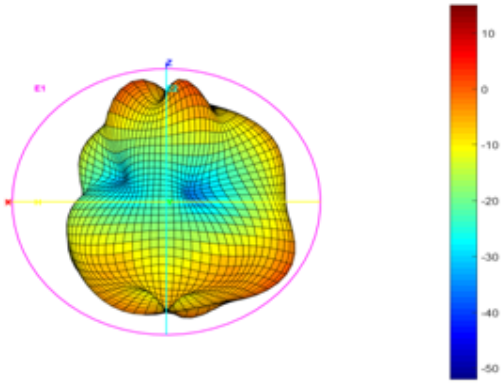


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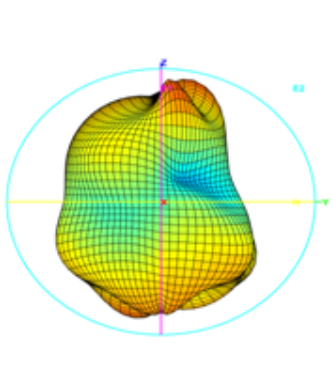

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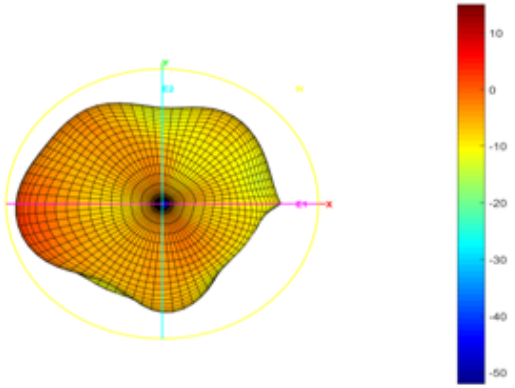


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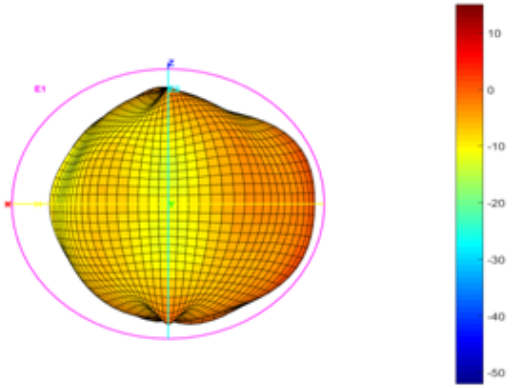


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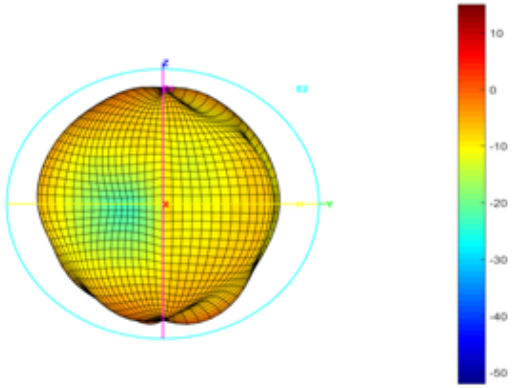


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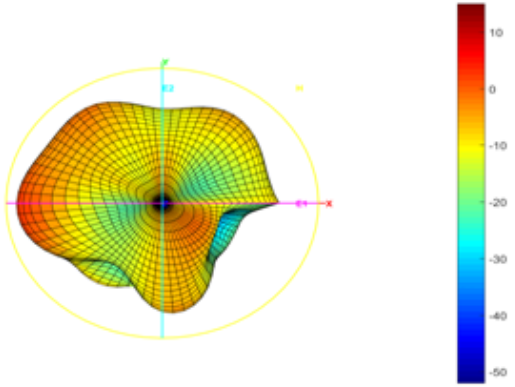


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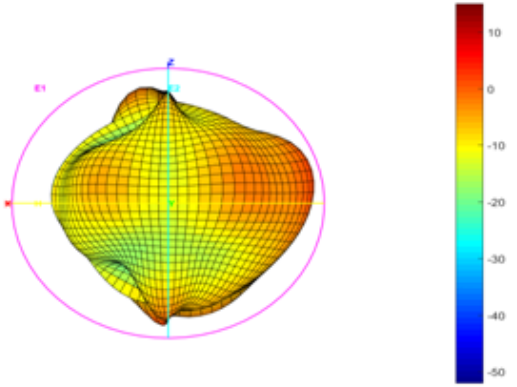


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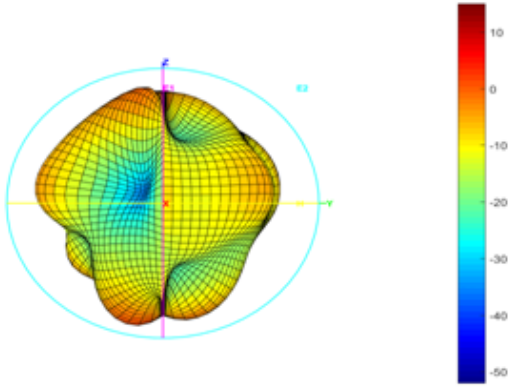


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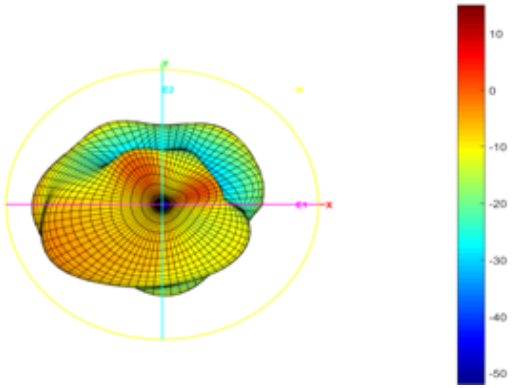


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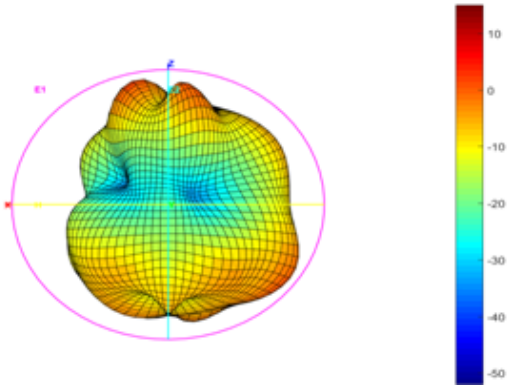

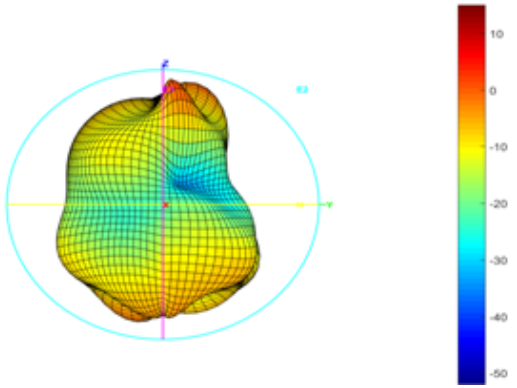
Phi_3D_E2_2.5GHz