# 深圳市红心科技电子有限公司

**SPECIFICATION FOR APPROVAL**

Company Name：_____

Item Name：915M glue stick antenna

Stock Number：HX-AP915-20713-D2

Customer Material Number：_____

Specification：See specification

Date：2020-07-01

Customer countersign:

| Engineering Department | Quality Department | ratify |
|---|---|---|
| | | |

Shenzhen Hongxin Technology Electronics Co., Ltd.:

| Engineering Department | Quality Department | ratify |
|---|---|---|
| Weifeng Zhuang | Huan Zhang | Lu Liu |
| | | |



2nd Floor, West Side, Building C10, Xin'an Second Industrial Zone, Xixiang Street, Bao'an District, Shenzhen City
Tel: 0755-23205219 Fax: 0755-23205219

## 一：Antenna Parameter

| Design Specifications | Typical | Units |
|---|---|---|
| Antenna form | glue stick antenna | |
| working Frequency | 915±2 | MHZ |
| Gain | 8 | DBi |
| Antenna efficiency | 35~80 | % |
| VSWR | <1.8 | |
| Ploriaztion | Vertical polarization | |
| Radiation pattern | omnibearing | |
| impedance | 50 | ohm |
| Power handling | 33 | dbm |
| Interface | RPSMA | N/A |
| Overal dimensions | 207*13 | mm |
| Weight | no requirement | |
| Operatin Temp | -30-70 | ℃ |
| Storing Temp | -30-70 | ℃ |


2nd Floor, West Side, Building C10, Xin'an Second Industrial Zone, Xixiang Street, Bao'an District, Shenzhen City
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## 二：Antenna diagram

Note: 1.The antenna parameters are tested in a simulated environment, and performance may vary for different products.

2.The antenna functionality is quite sensitive; please inform us for evaluation if there are any changes to the surrounding structure.

## 三、VSWR/Return Loss/Smith Chart

**VSWR**




2nd Floor, West Side, Building C10, Xin'an Second Industrial Zone, Xixiang Street, Bao'an District, Shenzhen City
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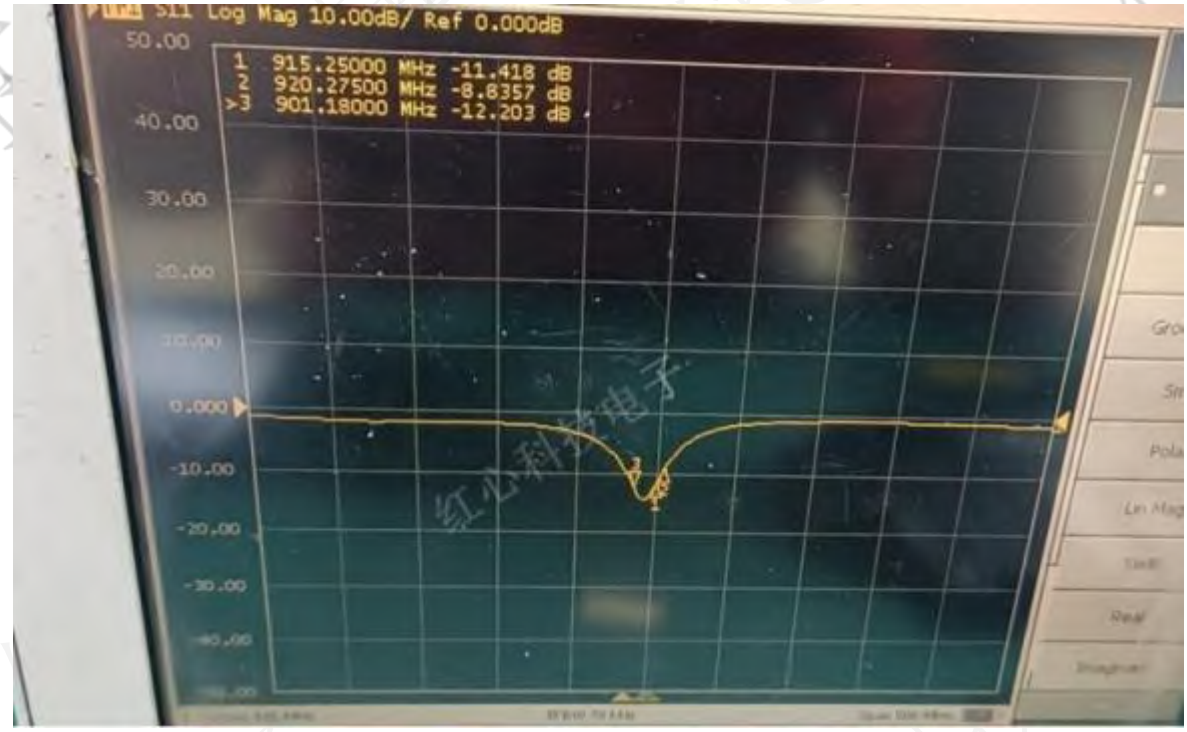
**Return Loss**




Smith Chart



2nd Floor, West Side, Building C10, Xin'an Second Industrial Zone, Xixiang Street, Bao'an District, Shenzhen City
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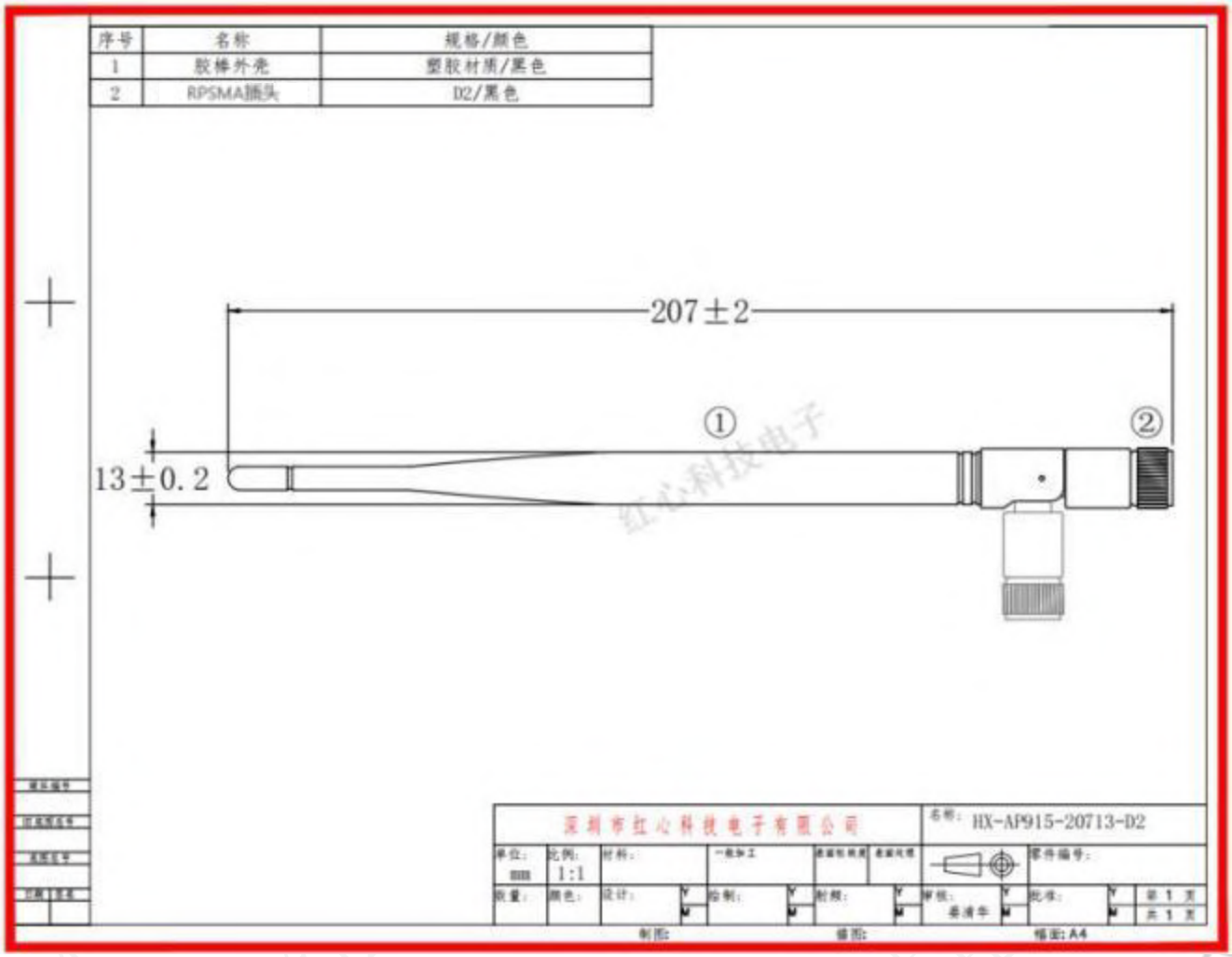
## 4：Storage environment

operating temperature: -30 to 70°C

storage temperature: -30 to 70°C

## 5：dimensions





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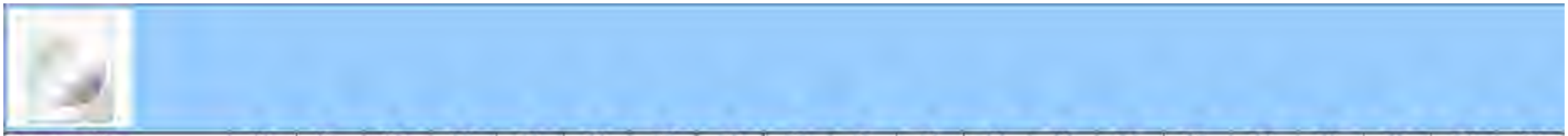
Tel: 0755-23205219 Fax: 0755-23205219

## Test Data：

深圳市红心电子科技有限公司

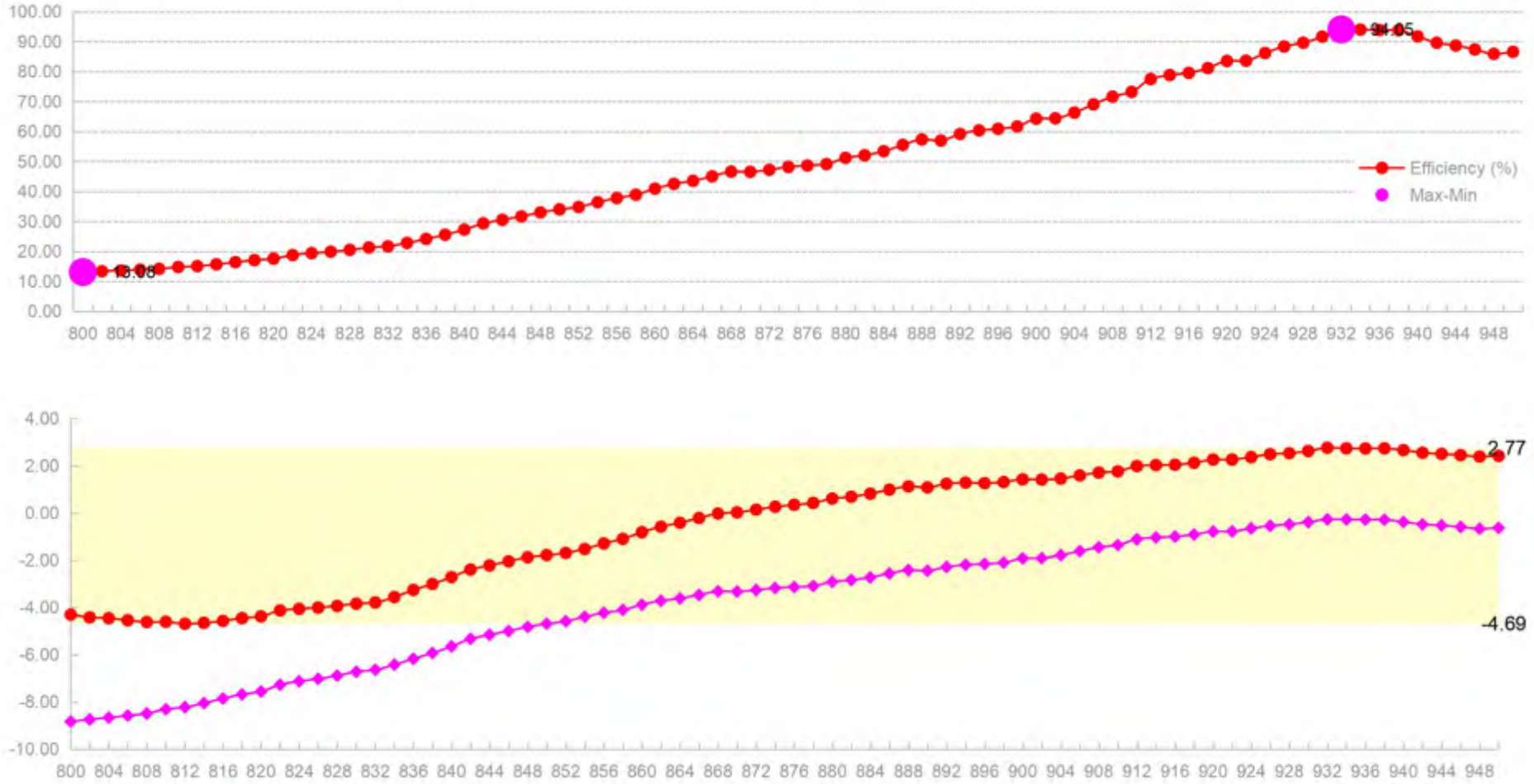
| Frequency ID | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Frequency (MHz) | 800 | 802 | 804 | 806 | 808 | 810 | 812 | 814 | 816 | 818 | 820 | 822 | 824 | 826 | 828 | 830 | 832 | 834 | 836 | 838 |
| Efficiency (dBi) | -8.83 | -8.74 | -8.66 | -8.58 | -8.49 | -8.31 | -8.22 | -8.05 | -7.85 | -7.68 | -7.56 | -7.27 | -7.12 | -7.02 | -6.89 | -6.72 | -6.64 | -6.42 | -6.17 | -5.93 |
| Gain (dBi) | -4.30 | -4.42 | -4.45 | -4.54 | -4.62 | -4.60 | -4.69 | -4.65 | -4.57 | -4.45 | -4.37 | -4.12 | -4.06 | -4.00 | -3.93 | -3.84 | -3.79 | -3.56 | -3.25 | -3.01 |
| Efficiency (%) | 13.08 | 13.36 | 13.60 | 13.87 | 14.15 | 14.76 | 15.05 | 15.66 | 16.39 | 17.06 | 17.55 | 18.74 | 19.40 | 19.86 | 20.48 | 21.28 | 21.68 | 22.80 | 24.13 | 25.54 |
| Directivity (dB) | 4.53 | 4.33 | 4.21 | 4.04 | 3.87 | 3.70 | 3.54 | 3.40 | 3.29 | 3.23 | 3.18 | 3.15 | 3.07 | 3.02 | 2.95 | 2.88 | 2.85 | 2.86 | 2.92 | 2.92 |
| Peak Gain Position (Theta) | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 135.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 150.00 | 105.00 | 105.00 | 105.00 | 105.00 |
| Peak Gain Position (Phi) | 300.00 | 300.00 | 285.00 | 285.00 | 285.00 | 265.00 | 285.00 | 165.00 | 285.00 | 165.00 | 165.00 | 165.00 | 165.00 | 165.00 | 165.00 | 165.00 | 15.00 | 0.00 | 0.00 | 0.00 |
| Efficiency ThetaPol (%) | 8.62 | 8.90 | 9.16 | 9.44 | 9.73 | 10.22 | 10.52 | 11.08 | 11.73 | 12.35 | 12.89 | 13.95 | 14.61 | 15.14 | 15.81 | 16.60 | 17.13 | 18.22 | 19.51 | 20.87 |
| Efficiency PhiPol (%) | 4.47 | 4.46 | 4.44 | 4.43 | 4.43 | 4.54 | 4.53 | 4.58 | 4.66 | 4.71 | 4.67 | 4.80 | 4.79 | 4.72 | 4.67 | 4.67 | 4.55 | 4.57 | 4.62 | 4.67 |
| Upper Hem. Efficiency (%) | 5.22 | 5.44 | 5.65 | 5.88 | 6.12 | 6.52 | 6.77 | 7.18 | 7.66 | 8.10 | 8.48 | 9.21 | 9.69 | 10.06 | 10.52 | 11.07 | 11.42 | 12.16 | 12.99 | 13.88 |
| Lower Hem. Efficiency (%) | 7.87 | 7.92 | 7.95 | 7.99 | 8.03 | 8.24 | 8.28 | 8.49 | 8.73 | 8.96 | 9.07 | 9.54 | 9.71 | 9.80 | 9.96 | 10.21 | 10.26 | 10.64 | 11.13 | 11.66 |
| T90(H)扇度 | 5.18 | 5.00 | 5.04 | 4.89 | 4.70 | 4.62 | 4.51 | 4.57 | 4.63 | 4.57 | 4.48 | 4.38 | 4.40 | 4.23 | 4.20 | 4.11 | 4.04 | 3.91 | 3.84 | 3.71 |
| Gain 15deg (dBi) | | | | | | | | | | | | | | | | | | | | |
| E1(XZ)波瓣宽度 | 38.00 | 38.00 | 37.00 | 37.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 37.00 | 37.00 | 37.00 | 36.00 | 36.00 | 36.00 | 35.00 | 75.00 | 74.00 | 73.00 | 73.00 |
| E1(XZ)前后比 | 0.46 | 0.40 | 0.29 | 0.23 | 0.21 | 0.18 | 0.13 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.19 | 0.36 | 0.44 |
| E2(YZ)波瓣宽度 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 37.00 | 37.00 | 36.00 | 36.00 | 35.00 | 35.00 | 75.00 | 74.00 | 73.00 | 73.00 | 73.00 |
| E2(YZ)前后比 | 0.35 | 0.36 | 0.25 | 0.19 | 0.11 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.37 | 0.66 | 0.91 | 1.13 |
| 最大增益处轴比(P) | 6.45 | 6.45 | 7.22 | 7.12 | 7.15 | 7.21 | 7.28 | 9.95 | 5.82 | 12.17 | 12.41 | 12.40 | 12.54 | 12.70 | 12.99 | 13.14 | 11.54 | 9.87 | 10.39 | 10.76 |
| 顶点(Theta=0)处轴比(P) | 40.04 | 35.48 | 28.32 | 34.78 | 28.06 | 26.65 | 26.28 | 26.94 | 29.43 | 26.02 | 26.34 | 29.09 | 31.83 | 29.90 | 28.77 | 32.70 | 35.98 | 37.58 | 47.27 | 44.98 |
| 仰角10度最差(大)轴比(P) | 49.24 | 49.22 | 49.75 | 50.15 | 50.32 | 64.93 | 56.24 | 54.71 | 55.13 | 55.78 | 55.23 | 67.37 | 52.88 | 68.74 | 56.26 | 59.00 | 57.04 | 62.78 | 60.00 | 54.28 |
| Hc(XY)波瓣宽度 | 276.00 | 279.00 | 280.00 | 280.00 | 284.00 | 285.00 | 283.00 | 284.00 | 284.00 | 285.00 | 285.00 | 288.00 | 282.00 | 286.00 | 285.00 | 289.00 | 288.00 | 293.00 | 293.00 | 297.00 |
| Hc(XY)前后比 | 0.35 | 0.29 | 0.38 | 0.39 | 0.40 | 0.37 | 0.45 | 0.38 | 0.44 | 0.48 | 0.51 | 0.43 | 0.46 | 0.44 | 0.41 | 0.35 | 0.39 | 0.29 | 0.33 | 0.24 |
| 左旋圆极化效率(%) | 7.57 | 7.67 | 7.78 | 7.89 | 8.01 | 8.29 | 8.42 | 8.72 | 9.08 | 9.40 | 9.65 | 10.26 | 10.58 | 10.82 | 11.10 | 11.49 | 11.70 | 12.27 | 13.03 | 13.79 |
| 右旋圆极化效率(%) | 5.51 | 5.68 | 5.82 | 5.98 | 6.14 | 6.47 | 6.63 | 6.94 | 7.31 | 7.65 | 7.91 | 8.48 | 8.81 | 9.04 | 9.38 | 9.78 | 9.98 | 10.52 | 11.10 | 11.75 |

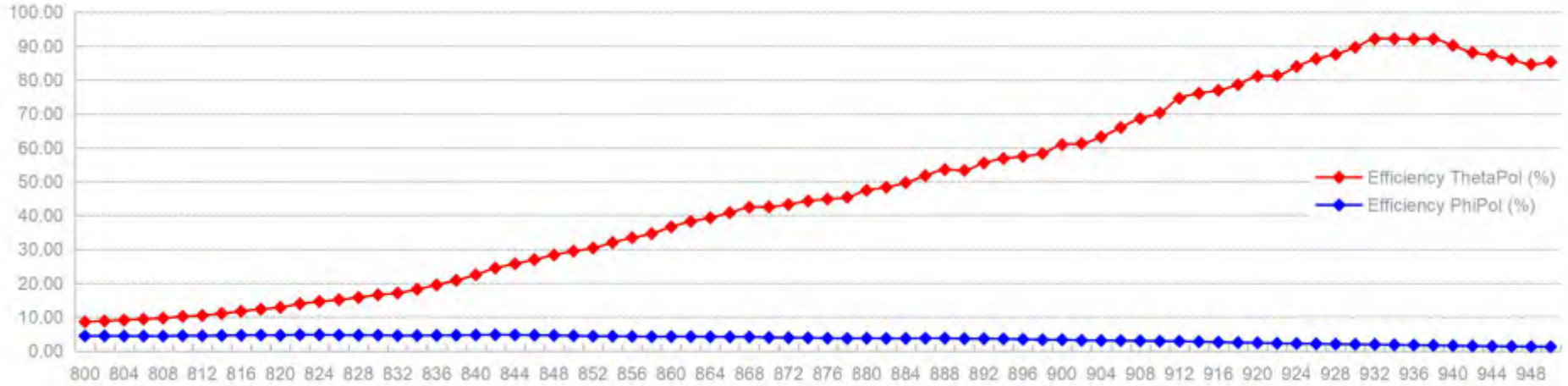


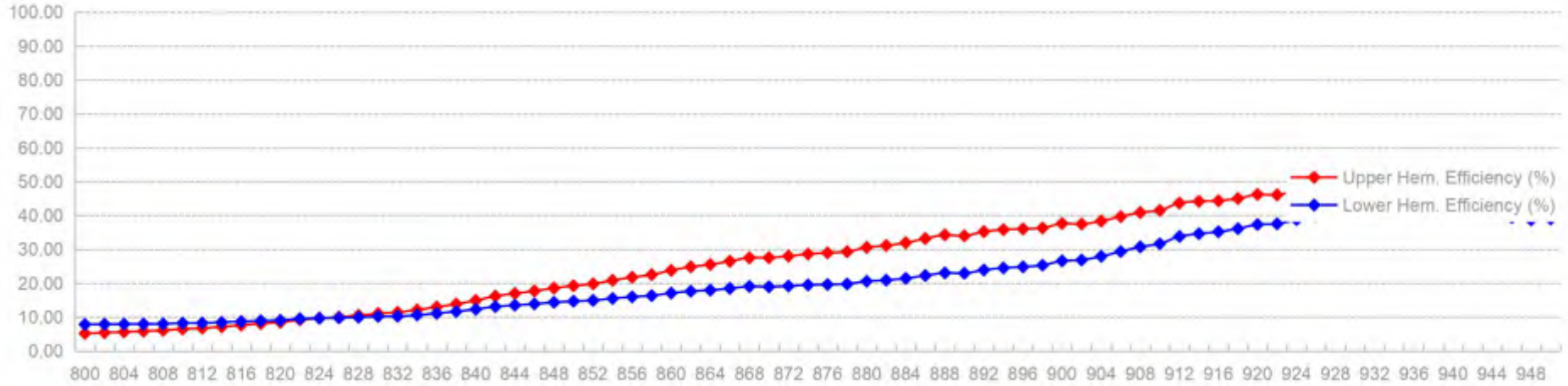
| Frequency ID | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Frequency (MHz) | 840 | 842 | 844 | 846 | 848 | 850 | 852 | 854 | 856 | 858 | 860 | 862 | 864 | 866 | 868 | 870 | 872 | 874 | 876 | 878 |
| Efficiency (dBi) | -5.65 | -5.33 | -5.15 | -5.00 | -4.82 | -4.69 | -4.58 | -4.39 | -4.23 | -4.10 | -3.88 | -3.72 | -3.61 | -3.47 | -3.32 | -3.32 | -3.26 | -3.17 | -3.13 | -3.09 |
| Gain (dBi) | -2.71 | -2.39 | -2.22 | -2.04 | -1.87 | -1.78 | -1.69 | -1.52 | -1.29 | -1.09 | -0.81 | -0.58 | -0.41 | -0.21 | -0.02 | 0.03 | 0.15 | 0.27 | 0.35 | 0.43 |
| Efficiency (%) | 27.24 | 29.32 | 30.52 | 31.65 | 32.97 | 33.99 | 34.80 | 36.39 | 37.77 | 38.88 | 40.92 | 42.51 | 43.53 | 45.01 | 46.59 | 46.52 | 47.20 | 48.16 | 48.64 | 49.11 |
| Directivity (dB) | 2.94 | 2.93 | 2.93 | 2.95 | 2.95 | 2.90 | 2.90 | 2.87 | 2.94 | 3.01 | 3.07 | 3.14 | 3.20 | 3.25 | 3.30 | 3.35 | 3.41 | 3.44 | 3.48 | 3.52 |
| Peak Gain Position (Theta) | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 |
| Peak Gain Position (Phi) | 0.00 | 0.00 | 15.00 | 0.00 | 0.00 | 15.00 | 0.00 | 0.00 | 270.00 | 270.00 | 270.00 | 270.00 | 255.00 | 255.00 | 255.00 | 240.00 | 240.00 | 240.00 | 240.00 | 240.00 |
| Efficiency ThetaPol (%) | 22.50 | 24.49 | 25.76 | 26.97 | 28.35 | 29.47 | 30.40 | 32.01 | 33.45 | 34.63 | 36.63 | 38.24 | 39.32 | 40.82 | 42.41 | 42.51 | 43.26 | 44.26 | 44.83 | 45.38 |
| Efficiency PhiPol (%) | 4.74 | 4.83 | 4.77 | 4.68 | 4.62 | 4.52 | 4.40 | 4.38 | 4.32 | 4.25 | 4.29 | 4.27 | 4.21 | 4.19 | 4.18 | 4.01 | 3.94 | 3.90 | 3.80 | 3.73 |
| Upper Hem. Efficiency (%) | 14.92 | 16.20 | 17.00 | 17.74 | 18.58 | 19.28 | 19.84 | 20.87 | 21.78 | 22.53 | 23.81 | 24.85 | 25.54 | 26.51 | 27.52 | 27.56 | 28.02 | 28.65 | 28.99 | 29.31 |
| Lower Hem. Efficiency (%) | 12.32 | 13.12 | 13.53 | 13.92 | 14.39 | 14.71 | 14.96 | 15.52 | 15.99 | 16.35 | 17.11 | 17.66 | 17.99 | 18.50 | 19.07 | 18.96 | 19.19 | 19.51 | 19.65 | 19.79 |
| T90(H)扇度 | 3.60 | 3.45 | 3.34 | 3.21 | 3.12 | 2.97 | 2.89 | 2.85 | 2.73 | 2.71 | 2.60 | 2.59 | 2.53 | 2.46 | 2.46 | 2.44 | 2.38 | 2.35 | 2.34 | 2.33 |
| Gain 15deg (dBi) | | | | | | | | | | | | | | | | | | | | |
| E1(XZ)波瓣宽度 | 72.00 | 71.00 | 71.00 | 70.00 | 69.00 | 70.00 | 70.00 | 69.00 | 69.00 | 69.00 | 68.00 | 69.00 | 69.00 | 46.00 | 45.00 | 45.00 | 45.00 | 45.00 | 44.00 | 44.00 |
| E1(XZ)前后比 | 0.53 | 0.66 | 0.78 | 0.92 | 1.06 | 1.10 | 1.26 | 1.38 | 1.54 | 1.64 | 1.80 | 1.93 | 2.03 | 2.23 | 2.46 | 2.65 | 2.84 | 3.06 | 3.23 | 3.41 |
| E2(YZ)波瓣宽度 | 73.00 | 73.00 | 73.00 | 72.00 | 72.00 | 73.00 | 73.00 | 56.00 | 56.00 | 56.00 | 55.00 | 55.00 | 55.00 | 55.00 | 54.00 | 54.00 | 54.00 | 54.00 | 53.00 | 53.00 |
| E2(YZ)前后比 | 1.37 | 1.54 | 1.78 | 2.03 | 2.16 | 2.33 | 2.47 | 2.75 | 2.99 | 3.28 | 3.51 | 3.73 | 3.97 | 4.12 | 4.40 | 4.55 | 4.74 | 4.92 | 5.12 | 5.23 |
| 最大增益处轴比(P) | 11.29 | 11.62 | 13.72 | 12.60 | 13.26 | 15.41 | 14.09 | 14.75 | 11.84 | 12.12 | 12.51 | 12.82 | 13.70 | 14.16 | 14.45 | 16.01 | 16.12 | 16.48 | 16.57 | 16.87 |
| 顶点(Theta=0)处轴比(P) | 45.26 | 33.38 | 32.17 | 28.49 | 31.52 | 28.70 | 28.49 | 27.35 | 28.48 | 26.13 | 29.07 | 29.32 | 27.66 | 29.31 | 27.74 | 31.95 | 26.35 | 26.70 | 28.07 | 26.53 |
| 仰角10度最差(大)轴比(P) | 54.83 | 62.76 | 77.87 | 73.06 | 58.42 | 55.48 | 54.13 | 55.48 | 58.10 | 55.59 | 58.05 | 58.18 | 58.64 | 58.72 | 58.71 | 57.95 | 56.03 | 56.14 | 56.28 | 56.33 |
| Hc(XY)波瓣宽度 | 299.00 | 305.00 | 314.00 | 327.00 | 331.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 |
| Hc(XY)前后比 | 0.31 | 0.27 | 0.25 | 0.22 | 0.23 | 0.15 | 0.13 | 0.16 | 0.12 | 0.08 | 0.09 | 0.08 | 0.07 | 0.05 | 0.04 | 0.04 | 0.03 | 0.00 | 0.00 | 0.00 |
| 左旋圆极化效率(%) | 14.67 | 15.76 | 16.35 | 16.91 | 17.57 | 18.05 | 18.47 | 19.23 | 19.86 | 20.33 | 21.30 | 22.03 | 22.41 | 23.06 | 23.66 | 23.37 | 23.63 | 24.04 | 24.25 | 24.45 |
| 右旋圆极化效率(%) | 12.57 | 13.56 | 14.17 | 14.75 | 15.40 | 15.94 | 16.33 | 17.16 | 17.91 | 18.55 | 19.62 | 20.47 | 21.12 | 21.96 | 22.93 | 23.15 | 23.58 | 24.12 | 24.39 | 24.65 |

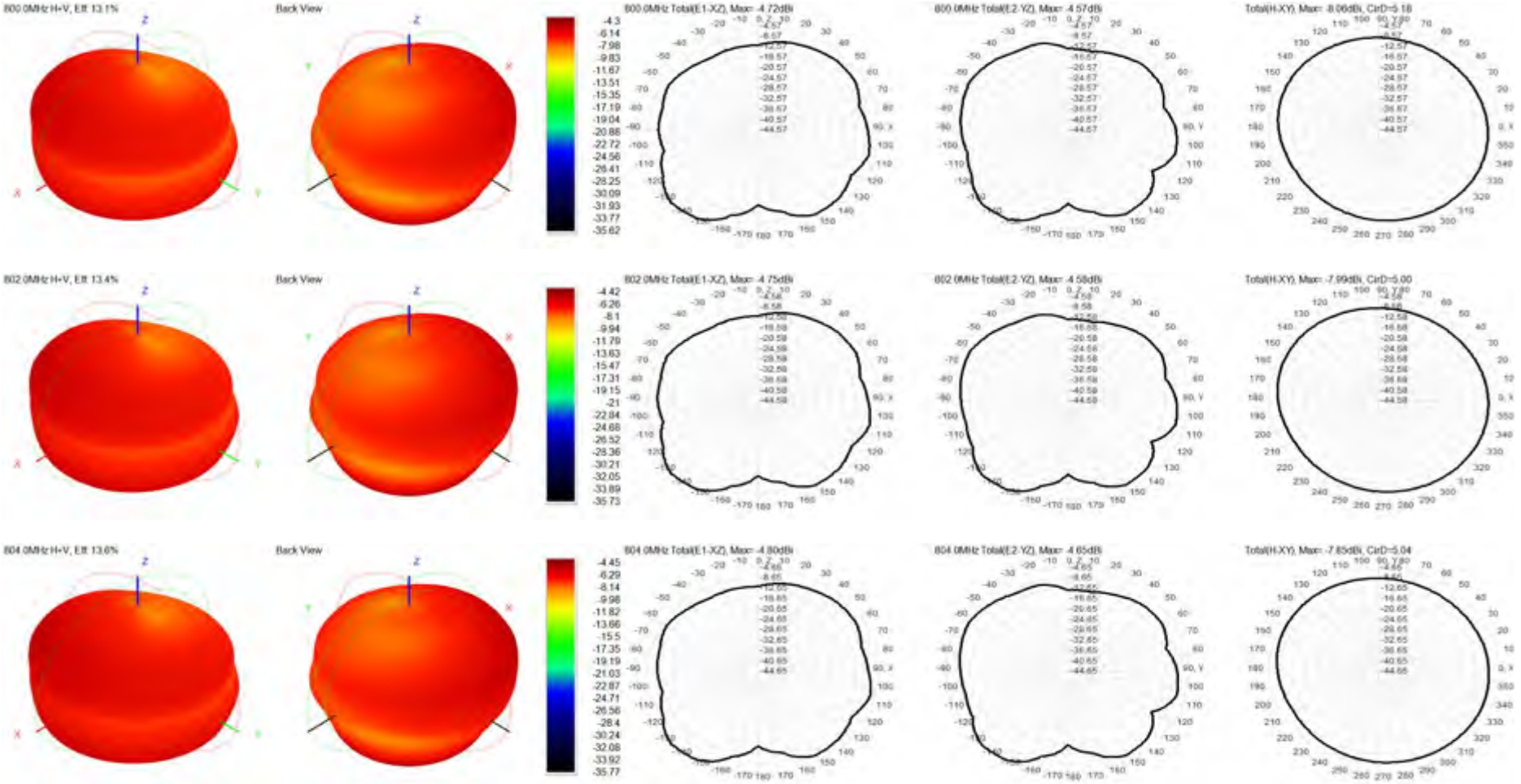
| Frequency ID | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Frequency (MHz) | 880 | 882 | 884 | 886 | 888 | 890 | 892 | 894 | 896 | 898 | 900 | 902 | 904 | 906 | 908 | 910 | 912 | 914 | 916 | 918 |
| Efficiency (dBi) | -2.91 | -2.84 | -2.72 | -2.56 | -2.42 | -2.44 | -2.28 | -2.19 | -2.16 | -2.10 | -1.92 | -1.91 | -1.78 | -1.61 | -1.45 | -1.36 | -1.11 | -1.03 | -0.99 | -0.91 |
| Gain (dBi) | 0.62 | 0.69 | 0.82 | 0.99 | 1.13 | 1.09 | 1.24 | 1.29 | 1.27 | 1.32 | 1.43 | 1.42 | 1.46 | 1.60 | 1.71 | 1.77 | 1.99 | 2.03 | 2.05 | 2.13 |
| Efficiency (%) | 51.19 | 52.05 | 53.40 | 55.50 | 57.32 | 56.96 | 59.15 | 60.37 | 60.88 | 61.66 | 64.25 | 64.37 | 66.30 | 69.03 | 71.62 | 73.20 | 77.47 | 78.81 | 79.54 | 81.14 |
| Directivity (dB) | 3.52 | 3.53 | 3.55 | 3.55 | 3.55 | 3.53 | 3.52 | 3.48 | 3.42 | 3.42 | 3.35 | 3.33 | 3.25 | 3.21 | 3.16 | 3.12 | 3.10 | 3.07 | 3.04 | 3.04 |
| Peak Gain Position (Theta) | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 |
| Peak Gain Position (Phi) | 255.00 | 240.00 | 240.00 | 240.00 | 240.00 | 240.00 | 225.00 | 240.00 | 240.00 | 225.00 | 225.00 | 225.00 | 210.00 | 195.00 | 195.00 | 180.00 | 195.00 | 195.00 | 150.00 | 180.00 |
| Efficiency ThetaPol (%) | 47.42 | 48.32 | 49.68 | 51.73 | 53.53 | 53.32 | 55.49 | 56.78 | 57.42 | 58.31 | 60.91 | 61.20 | 63.19 | 65.95 | 68.60 | 70.28 | 74.57 | 76.03 | 76.91 | 78.63 |
| Efficiency PhiPol (%) | 3.78 | 3.73 | 3.72 | 3.77 | 3.79 | 3.64 | 3.65 | 3.59 | 3.46 | 3.35 | 3.34 | 3.17 | 3.11 | 3.08 | 3.03 | 2.92 | 2.91 | 2.78 | 2.63 | 2.52 |
| Upper Hem. Efficiency (%) | 30.59 | 31.13 | 31.95 | 33.20 | 34.26 | 34.00 | 35.24 | 35.84 | 36.03 | 36.33 | 37.64 | 37.50 | 38.35 | 39.67 | 40.89 | 41.52 | 43.67 | 44.18 | 44.35 | 45.02 |
| Lower Hem. Efficiency (%) | 20.60 | 20.92 | 21.46 | 22.30 | 23.05 | 22.96 | 23.91 | 24.52 | 24.85 | 25.33 | 26.61 | 26.87 | 27.95 | 29.36 | 30.74 | 31.67 | 33.81 | 34.63 | 35.19 | 36.12 |
| T90(H)扇度 | 2.30 | 2.27 | 2.21 | 2.17 | 2.14 | 2.07 | 1.99 | 1.98 | 1.89 | 1.88 | 1.84 | 1.74 | 1.74 | 1.64 | 1.58 | 1.52 | 1.46 | 1.41 | 1.35 | 1.27 |
| Gain 15deg (dBi) | | | | | | | | | | | | | | | | | | | | |
| E1(XZ)波瓣宽度 | 44.00 | 44.00 | 43.00 | 43.00 | 43.00 | 44.00 | 45.00 | 45.00 | 46.00 | 46.00 | 47.00 | 48.00 | 49.00 | 48.00 | 49.00 | 50.00 | 52.00 | 52.00 | 52.00 | 53.00 |
| E1(XZ)前后比 | 3.62 | 3.77 | 3.98 | 4.18 | 4.34 | 4.48 | 4.69 | 4.82 | 4.94 | 5.10 | 5.23 | 5.36 | 5.44 | 5.60 | 5.67 | 5.80 | 5.88 | 5.95 | 6.04 | 6.14 |
| E2(YZ)波瓣宽度 | 53.00 | 53.00 | 53.00 | 54.00 | 54.00 | 54.00 | 55.00 | 55.00 | 56.00 | 55.00 | 56.00 | 57.00 | 57.00 | 58.00 | 68.00 | 68.00 | 69.00 | 69.00 | 69.00 | 69.00 |
| E2(YZ)前后比 | 5.43 | 5.61 | 5.75 | 5.92 | 6.08 | 6.18 | 6.33 | 6.46 | 6.56 | 6.62 | 6.70 | 6.76 | 6.79 | 6.81 | 6.86 | 6.96 | 6.98 | 7.02 | 7.04 | 7.08 |
| 最大增益处轴比(P) | 15.84 | 17.10 | 17.24 | 17.36 | 17.59 | 17.81 | 19.51 | 18.18 | 18.56 | 20.22 | 20.63 | 21.30 | 23.72 | 28.42 | 28.68 | 43.41 | 29.66 | 30.33 | 32.41 | 42.76 |
| 顶点(Theta=0)处轴比(P) | 24.31 | 26.65 | 27.62 | 23.83 | 24.78 | 24.13 | 22.29 | 22.45 | 21.90 | 20.57 | 21.33 | 22.03 | 22.64 | 22.02 | 20.44 | 20.59 | 17.82 | 18.99 | 19.82 | 18.10 |
| 仰角10度最差(大)轴比(P) | 56.36 | 56.55 | 56.59 | 56.68 | 56.76 | 56.67 | 56.81 | 56.97 | 57.00 | 57.02 | 57.27 | 57.34 | 57.53 | 57.64 | 57.80 | 58.09 | 59.84 | 58.31 | 60.25 | 60.35 |
| Hc(XY)波瓣宽度 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 |
| Hc(XY)前后比 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.04 | 0.04 | 0.01 | 0.08 | 0.06 | 0.04 | 0.04 | 0.05 | 0.05 | 0.04 | 0.06 |
| 左旋圆极化效率(%) | 25.46 | 25.90 | 26.55 | 27.55 | 28.42 | 28.19 | 29.23 | 29.78 | 30.01 | 30.39 | 31.66 | 31.74 | 32.70 | 34.06 | 35.39 | 36.21 | 38.41 | 39.04 | 39.42 | 40.22 |
| 右旋圆极化效率(%) | 25.73 | 26.14 | 26.65 | 27.95 | 28.89 | 28.77 | 29.92 | 30.58 | 30.87 | 31.27 | 32.60 | 32.63 | 33.60 | 34.95 | 36.23 | 36.99 | 39.07 | 39.77 | 40.12 | 40.92 |

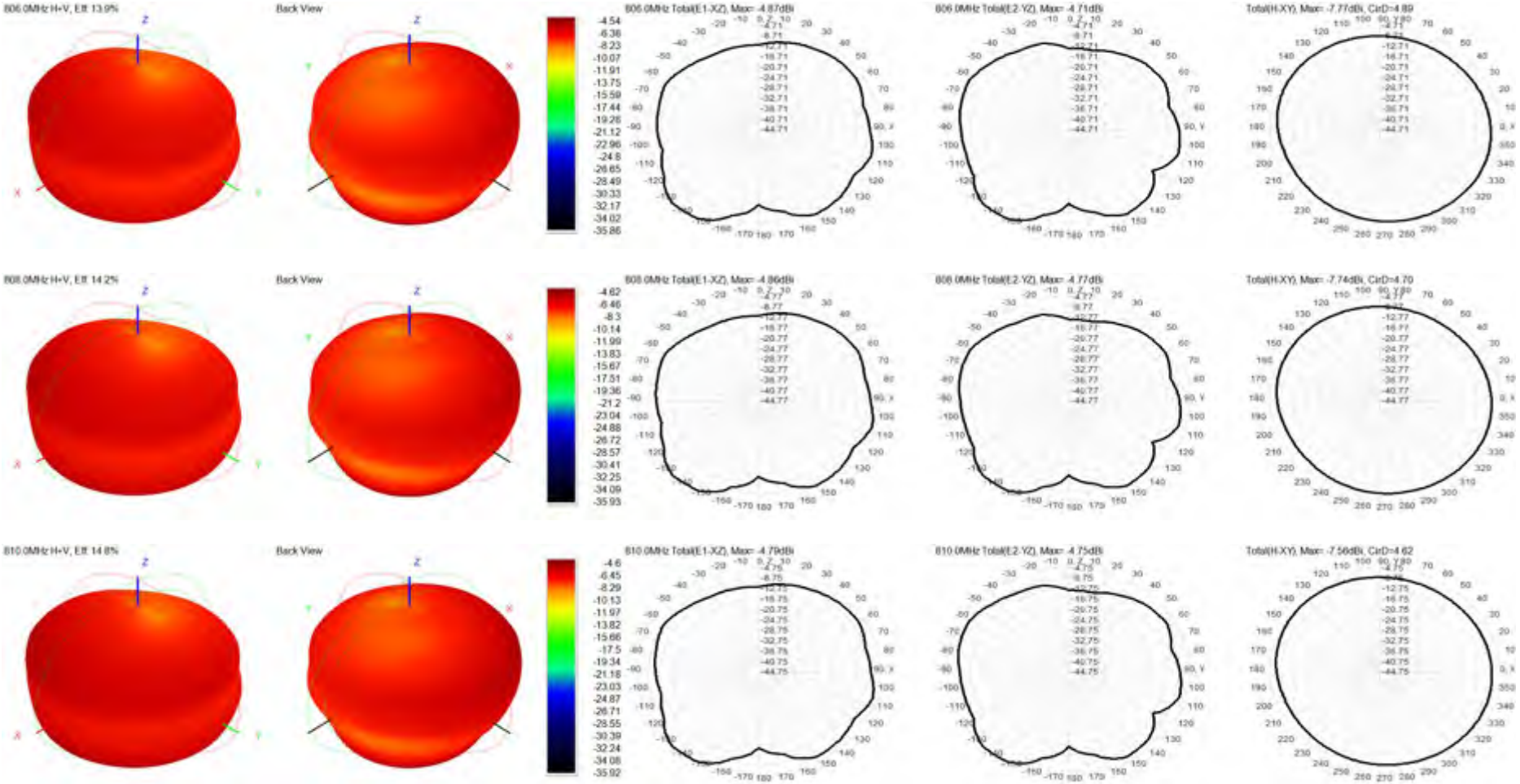
| Frequency ID | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Frequency (MHz) | 920 | 922 | 924 | 926 | 928 | 930 | 932 | 934 | 936 | 938 | 940 | 942 | 944 | 946 | 948 | 950 |
| Efficiency (dBi) | -0.78 | -0.78 | -0.65 | -0.54 | -0.48 | -0.38 | -0.27 | -0.27 | -0.28 | -0.28 | -0.37 | -0.48 | -0.52 | -0.59 | -0.66 | -0.63 |
| Gain (dBi) | 2.26 | 2.27 | 2.37 | 2.49 | 2.54 | 2.63 | 2.77 | 2.74 | 2.74 | 2.74 | 2.67 | 2.56 | 2.51 | 2.45 | 2.39 | 2.42 |
| Efficiency (%) | 83.53 | 83.61 | 86.17 | 88.35 | 89.60 | 91.63 | 94.05 | 93.98 | 93.83 | 93.77 | 91.73 | 89.59 | 88.67 | 87.34 | 85.88 | 86.57 |
| Directivity (dB) | 3.05 | 3.05 | 3.02 | 3.03 | 3.01 | 3.01 | 3.04 | 3.01 | 3.01 | 3.02 | 3.04 | 3.03 | 3.03 | 3.04 | 3.06 | 3.05 |
| Peak Gain Position (Theta) | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 |
| Peak Gain Position (Phi) | 150.00 | 150.00 | 150.00 | 165.00 | 165.00 | 150.00 | 165.00 | 165.00 | 180.00 | 180.00 | 165.00 | 165.00 | 180.00 | 180.00 | 180.00 | 180.00 |
| Efficiency ThetaPol (%) | 81.09 | 81.32 | 83.94 | 86.20 | 87.54 | 89.62 | 92.10 | 92.12 | 92.05 | 92.07 | 90.13 | 88.08 | 87.24 | 85.98 | 84.59 | 85.31 |
| Efficiency PhiPol (%) | 2.44 | 2.29 | 2.22 | 2.16 | 2.07 | 2.00 | 1.95 | 1.86 | 1.77 | 1.70 | 1.60 | 1.50 | 1.43 | 1.37 | 1.30 | 1.26 |
| Upper Hem. Efficiency (%) | 46.19 | 46.08 | 47.37 | 48.48 | 49.09 | 50.16 | 51.45 | 51.41 | 51.31 | 51.30 | 50.23 | 49.07 | 48.64 | 47.93 | 47.16 | 47.58 |
| Lower Hem. Efficiency (%) | 37.34 | 37.53 | 38.79 | 39.87 | 40.51 | 41.47 | 42.60 | 42.58 | 42.51 | 42.47 | 41.50 | 40.52 | 40.03 | 39.41 | 38.72 | 38.99 |
| T90(H)圆度 | 1.24 | 1.17 | 1.09 | 1.08 | 1.03 | 0.97 | 0.92 | 0.89 | 0.85 | 0.82 | 0.79 | 0.76 | 0.72 | 0.71 | 0.70 | 0.69 |
| Gain 15deg (dBi) | | | | | | | | | | | | | | | | |
| E1(XZ)波瓣宽度 | 54.00 | 54.00 | 55.00 | 56.00 | 56.00 | 57.00 | 58.00 | 58.00 | 58.00 | 59.00 | 59.00 | 60.00 | 60.00 | 60.00 | 61.00 | 61.00 |
| E1(XZ)前后比 | 6.22 | 6.30 | 6.42 | 6.50 | 6.55 | 6.68 | 6.77 | 6.84 | 6.99 | 7.06 | 7.13 | 7.24 | 7.32 | 7.41 | 7.49 | 7.53 |
| E2(YZ)波瓣宽度 | 68.00 | 69.00 | 69.00 | 69.00 | 69.00 | 69.00 | 69.00 | 69.00 | 69.00 | 69.00 | 69.00 | 69.00 | 68.00 | 69.00 | 69.00 | 67.00 |
| E2(YZ)前后比 | 7.09 | 7.12 | 7.12 | 7.17 | 7.17 | 7.17 | 7.22 | 7.26 | 7.25 | 7.28 | 7.33 | 7.35 | 7.36 | 7.37 | 7.49 | 7.51 |
| 最大增益处轴比(P) | 33.92 | 34.36 | 34.89 | 39.90 | 41.28 | 36.16 | 45.52 | 48.98 | 40.01 | 38.43 | 59.00 | 53.40 | 37.28 | 36.29 | 37.38 | 38.70 |
| 顶点(Theta=0)处轴比(P) | 16.17 | 14.33 | 17.89 | 14.61 | 13.51 | 13.35 | 12.28 | 11.28 | 10.34 | 8.98 | 8.36 | 7.67 | 5.86 | 4.40 | 4.69 | 2.88 |
| 仰角10度最差(大)轴比(P) | 60.37 | 60.31 | 60.43 | 60.29 | 60.11 | 59.89 | 49.81 | 47.01 | 44.85 | 43.56 | 43.69 | 41.11 | 40.52 | 39.21 | 39.63 | 37.91 |
| Hc(XY)波瓣宽度 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 | 360.00 |
| Hc(XY)前后比 | 0.08 | 0.05 | 0.01 | 0.02 | 0.03 | 0.04 | 0.02 | 0.04 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 |
| 左旋圆极化效率(%) | 41.37 | 41.40 | 42.63 | 43.70 | 44.35 | 45.31 | 46.52 | 46.49 | 46.41 | 46.38 | 45.33 | 44.30 | 43.83 | 43.18 | 42.47 | 42.83 |
| 右旋圆极化效率(%) | 42.16 | 42.21 | 43.53 | 44.65 | 45.26 | 46.31 | 47.53 | 47.49 | 47.42 | 47.39 | 46.40 | 45.29 | 44.84 | 44.17 | 43.42 | 43.74 |

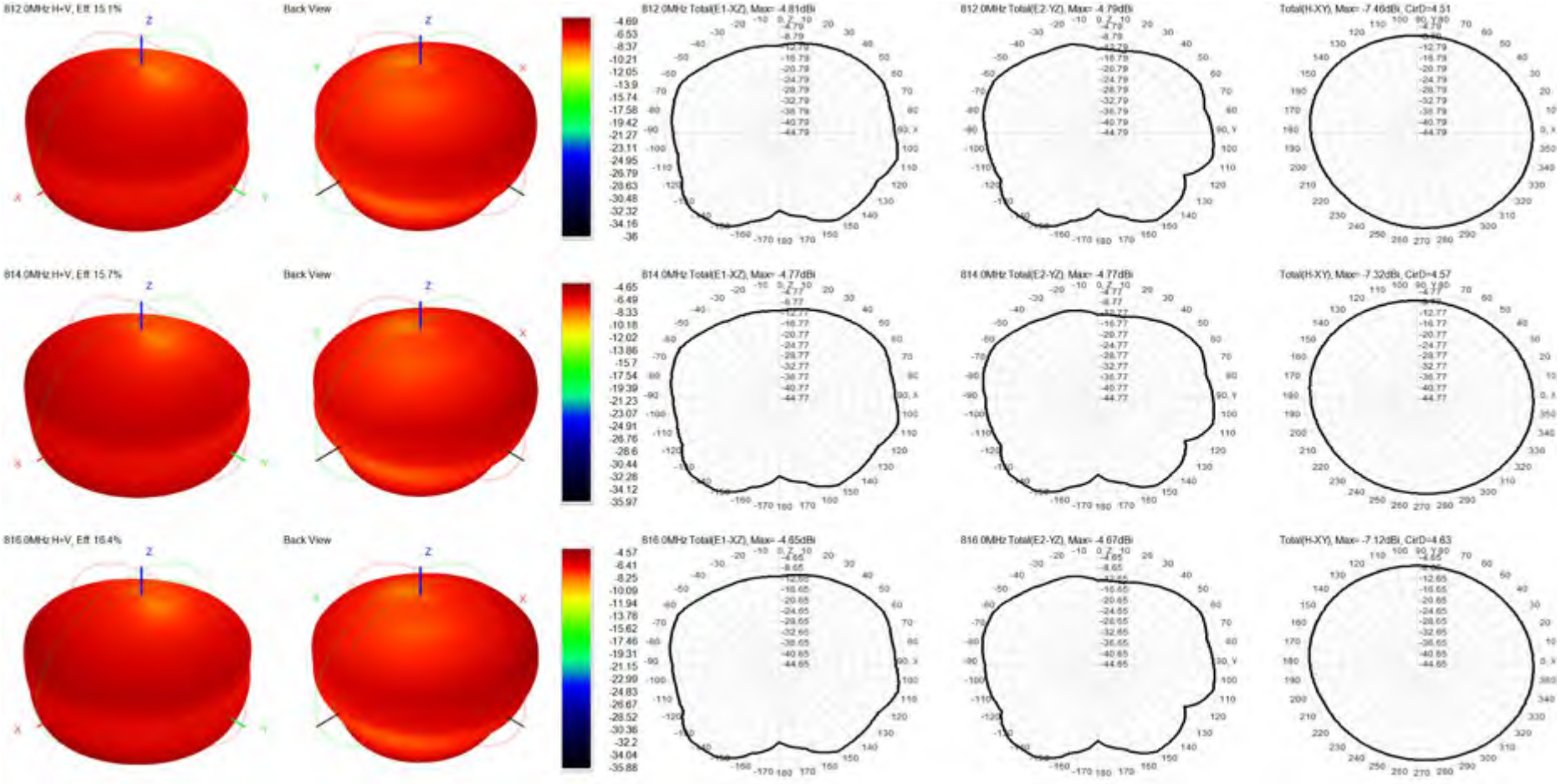

100.00
90.00
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
800 804 808 812 816 820 824 828 832 836 840 844 848 852 856 860 864 868 872 876 880 884 888 892 896 900 904 908 912 916 920 924 928 932 936 940 944 948
Efficiency (%)
Max-Min
4.00
2.00
0.00
-2.00
-4.00
-6.00
-8.00
-10.00
2.77
-4.69

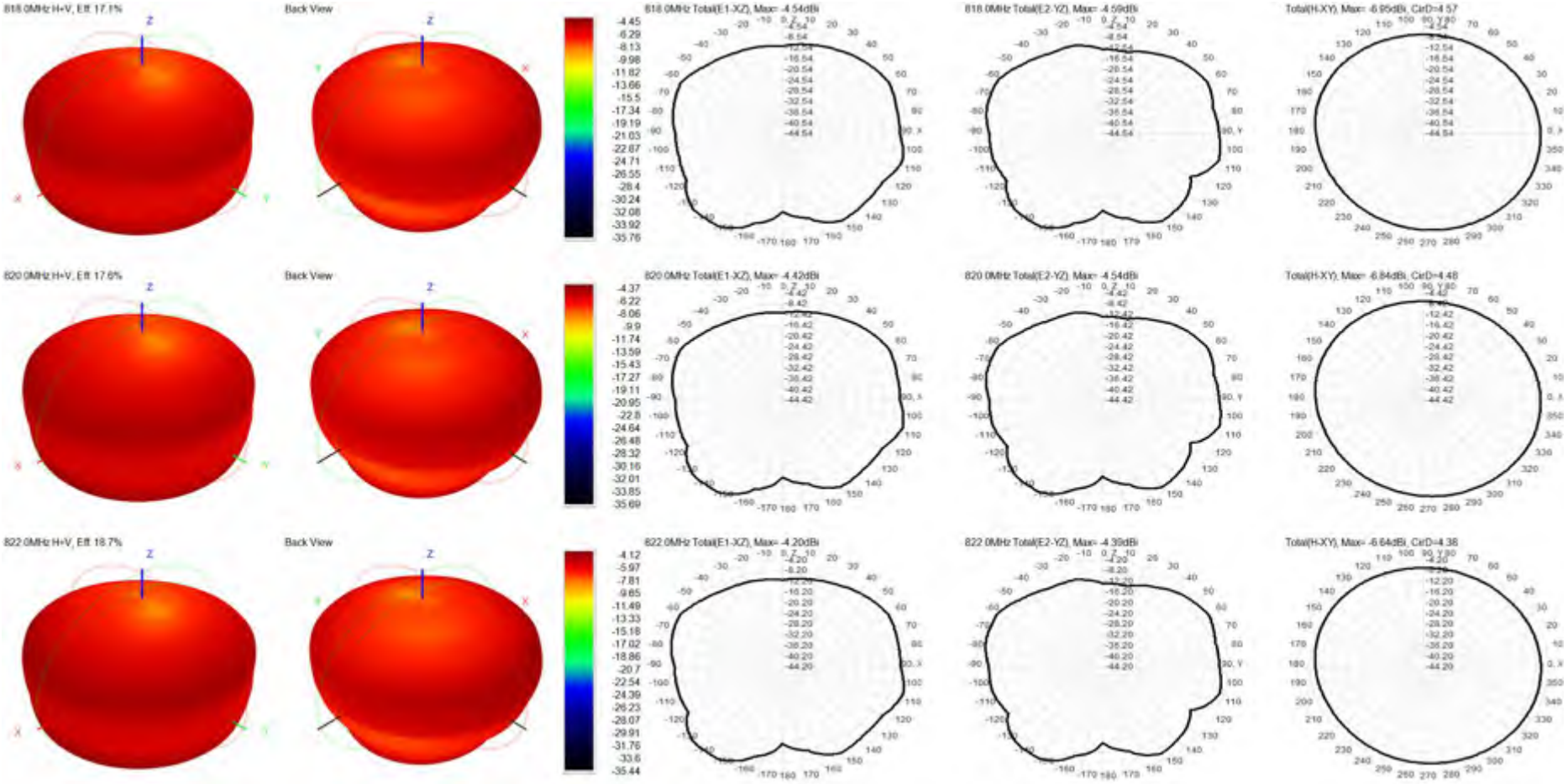

100.00
90.00
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
800 804 808 812 816 820 824 828 832 836 840 844 848 852 856 860 864 868 872 876 880 884 888 892 896 900 904 908 912 916 920 924 928 932 936 940 944 948
Efficiency ThetaPol (%)
Efficiency PhiPol (%)

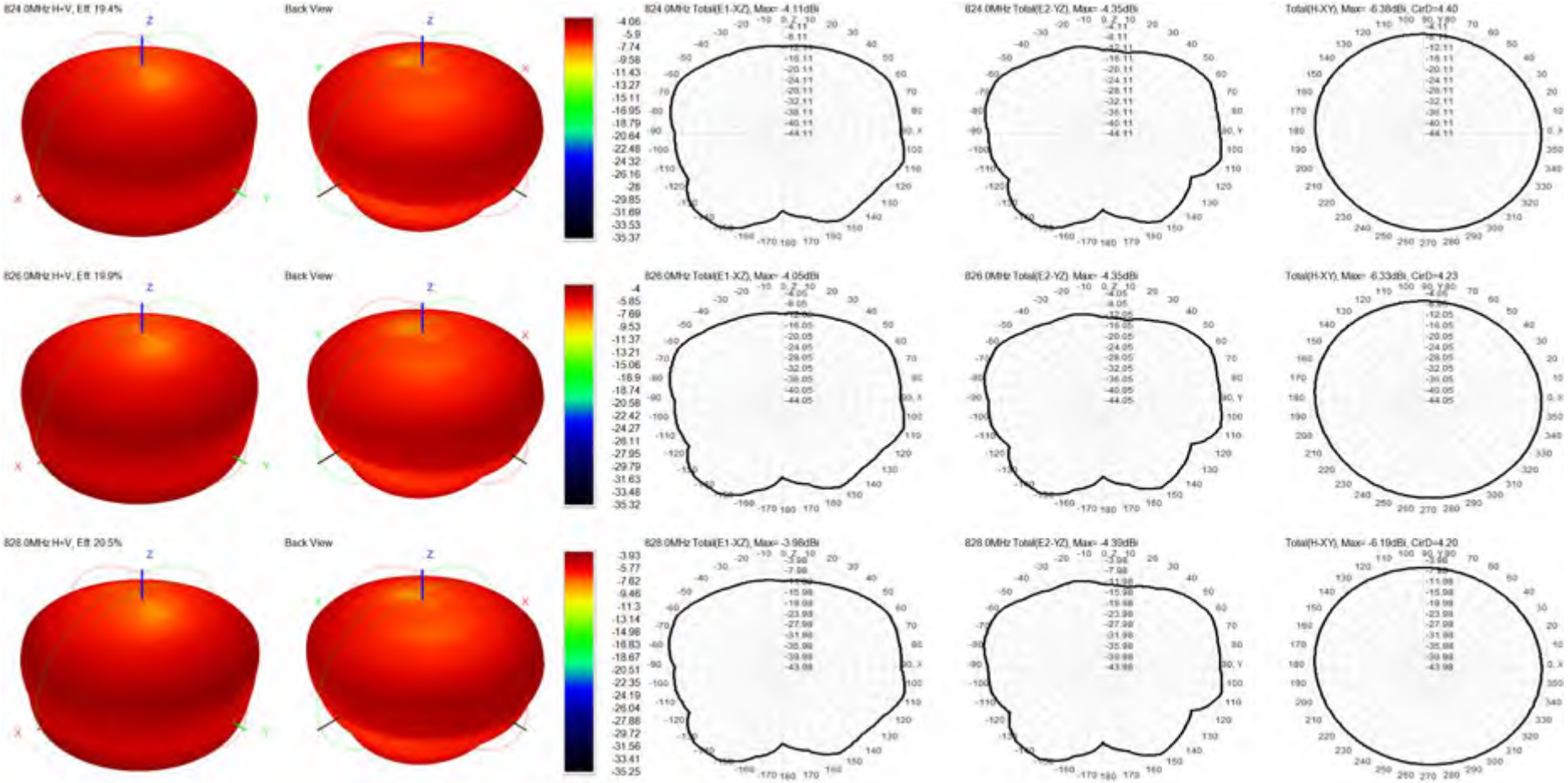

100.00
90.00
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
800 804 808 812 816 820 824 828 832 836 840 844 848 852 856 860 864 868 872 876 880 884 888 892 896 900 904 908 912 916 920 924 928 932 936 940 944 948
Upper Hem. Efficiency (%)
Lower Hem. Efficiency (%)

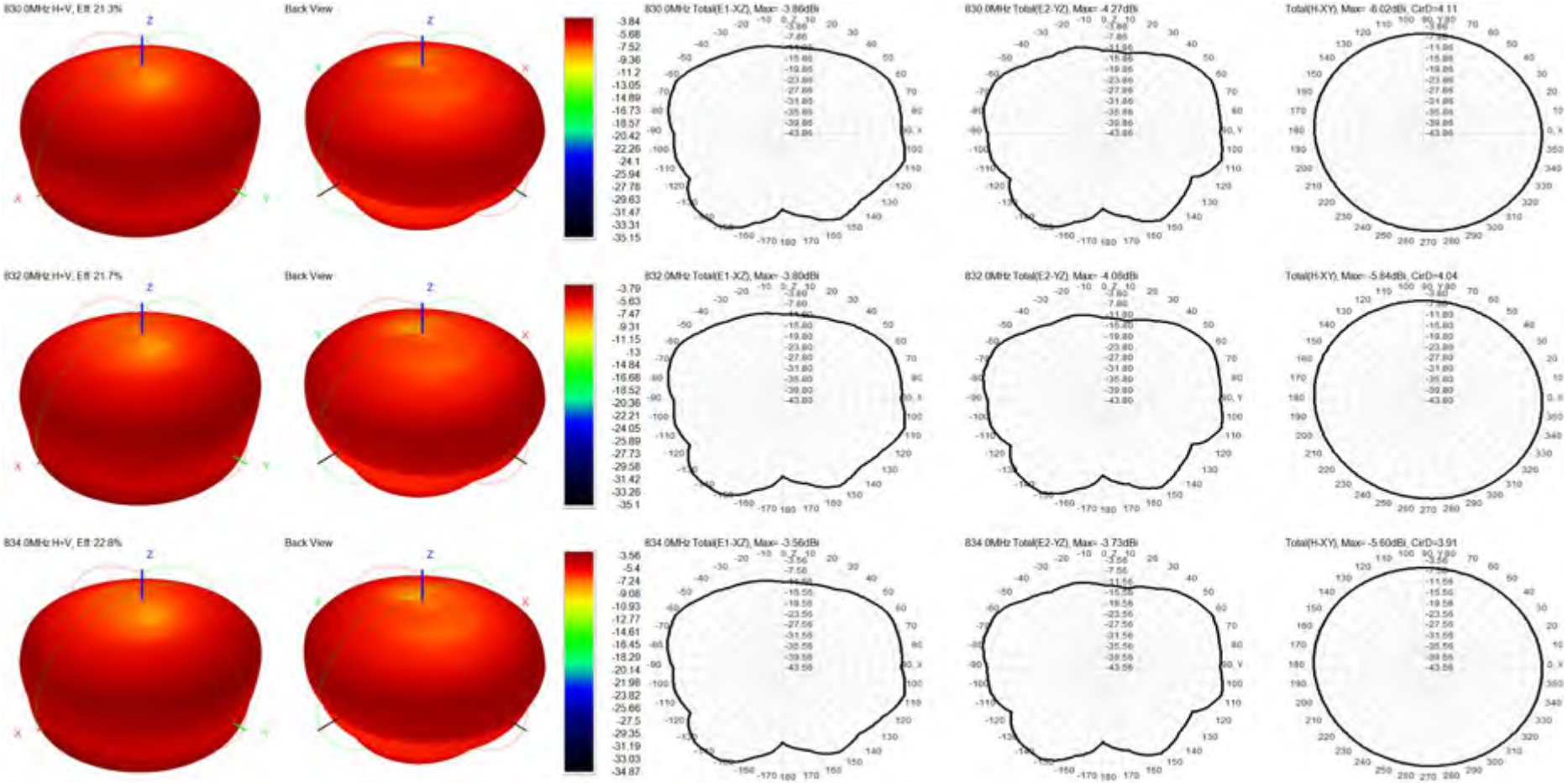

800.0MHz H+V, Eff: 13.1%
Back View
800.0MHz Total(E1-XZ), Max: -4.72dBi
800.0MHz Total(E2-YZ), Max: -4.57dBi
Total(H-XY), Max: -8.06dBi, CirD=5.18
802.0MHz H+V, Eff: 13.4%
Back View
802.0MHz Total(E1-XZ), Max: -4.75dBi
802.0MHz Total(E2-YZ), Max: -4.58dBi
Total(H-XY), Max: -7.99dBi, CirD=5.00
804.0MHz H+V, Eff: 13.6%
Back View
804.0MHz Total(E1-XZ), Max: -4.80dBi
804.0MHz Total(E2-YZ), Max: -4.65dBi
Total(H-XY), Max: -7.85dBi, CirD=5.04

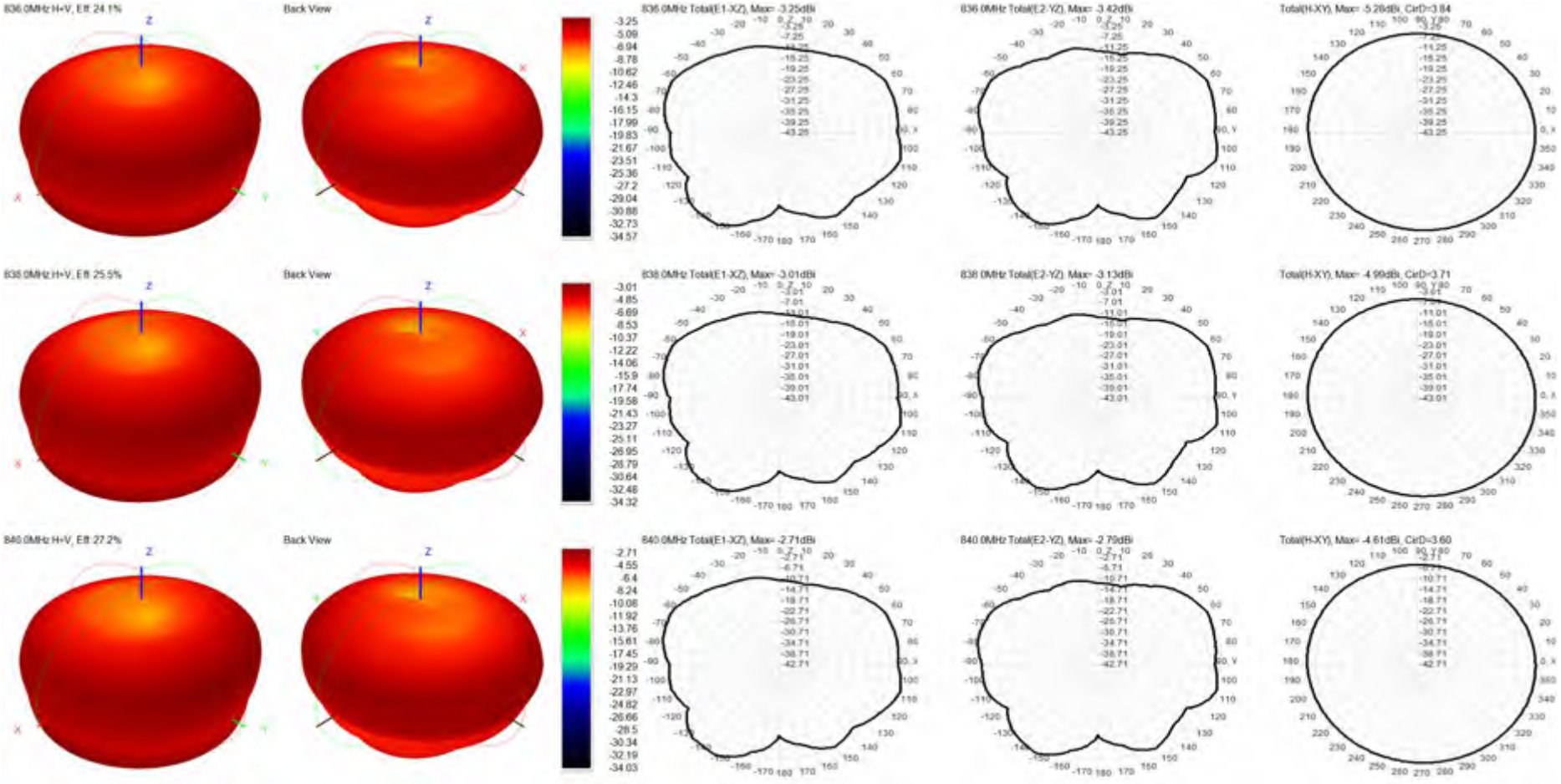

806.0MHz H+V, Eff: 13.9%
Back View
-4.54
-6.36
-8.23
-10.07
-11.91
-13.75
-15.59
-17.44
-19.28
-21.12
-22.96
-24.8
-26.65
-28.49
-30.33
-32.17
-34.02
-35.86
806.0MHz Total(E1-XZ), Max: -4.87dBi
806.0MHz Total(E2-YZ), Max: -4.71dBi
Total(H-XY), Max: -7.77dBi, CirD=4.89
808.0MHz H+V, Eff: 14.2%
Back View
-4.62
-6.46
-8.3
-10.14
-11.99
-13.83
-15.67
-17.51
-19.36
-21.2
-23.04
-24.88
-26.72
-28.57
-30.41
-32.25
-34.09
-35.93
808.0MHz Total(E1-XZ), Max: -4.86dBi
808.0MHz Total(E2-YZ), Max: -4.77dBi
Total(H-XY), Max: -7.74dBi, CirD=4.70
810.0MHz H+V, Eff: 14.8%
Back View
-4.6
-6.45
-8.29
-10.13
-11.97
-13.82
-15.66
-17.5
-19.34
-21.18
-23.03
-24.87
-26.71
-28.55
-30.39
-32.24
-34.08
-35.92
810.0MHz Total(E1-XZ), Max: -4.79dBi
810.0MHz Total(E2-YZ), Max: -4.75dBi
Total(H-XY), Max: -7.56dBi, CirD=4.62

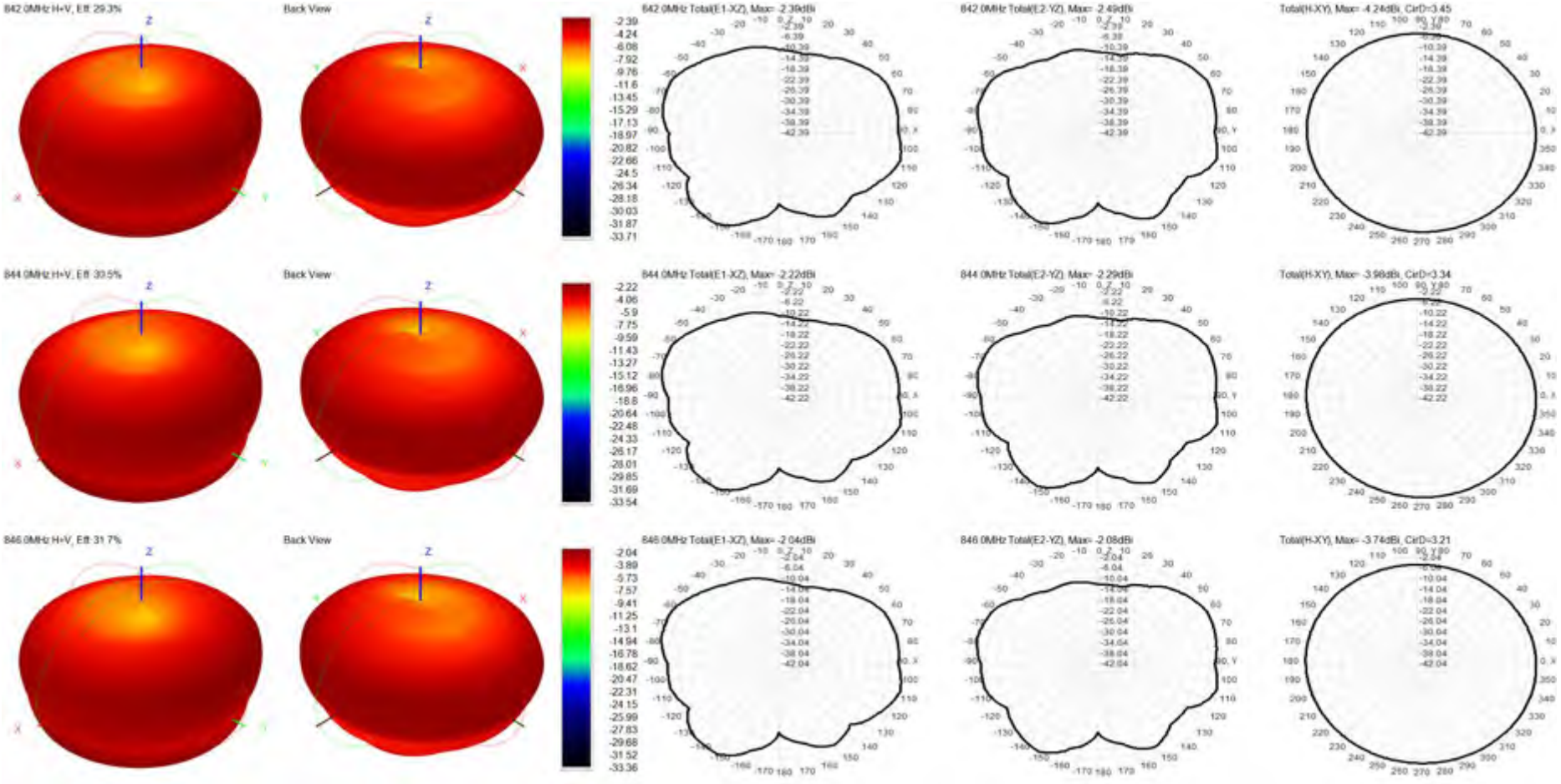

812.0MHz H+V, Eff: 15.1%
Back View
812.0MHz Total(E1-XZ), Max= -4.81dBi
812.0MHz Total(E2-YZ), Max= -4.79dBi
Total(H-XY), Max= -7.46dBi, CirD=4.51
814.0MHz H+V, Eff: 15.7%
Back View
814.0MHz Total(E1-XZ), Max= -4.77dBi
814.0MHz Total(E2-YZ), Max= -4.77dBi
Total(H-XY), Max= -7.32dBi, CirD=4.57
816.0MHz H+V, Eff: 16.4%
Back View
816.0MHz Total(E1-XZ), Max= -4.65dBi
816.0MHz Total(E2-YZ), Max= -4.67dBi
Total(H-XY), Max= -7.12dBi, CirD=4.63

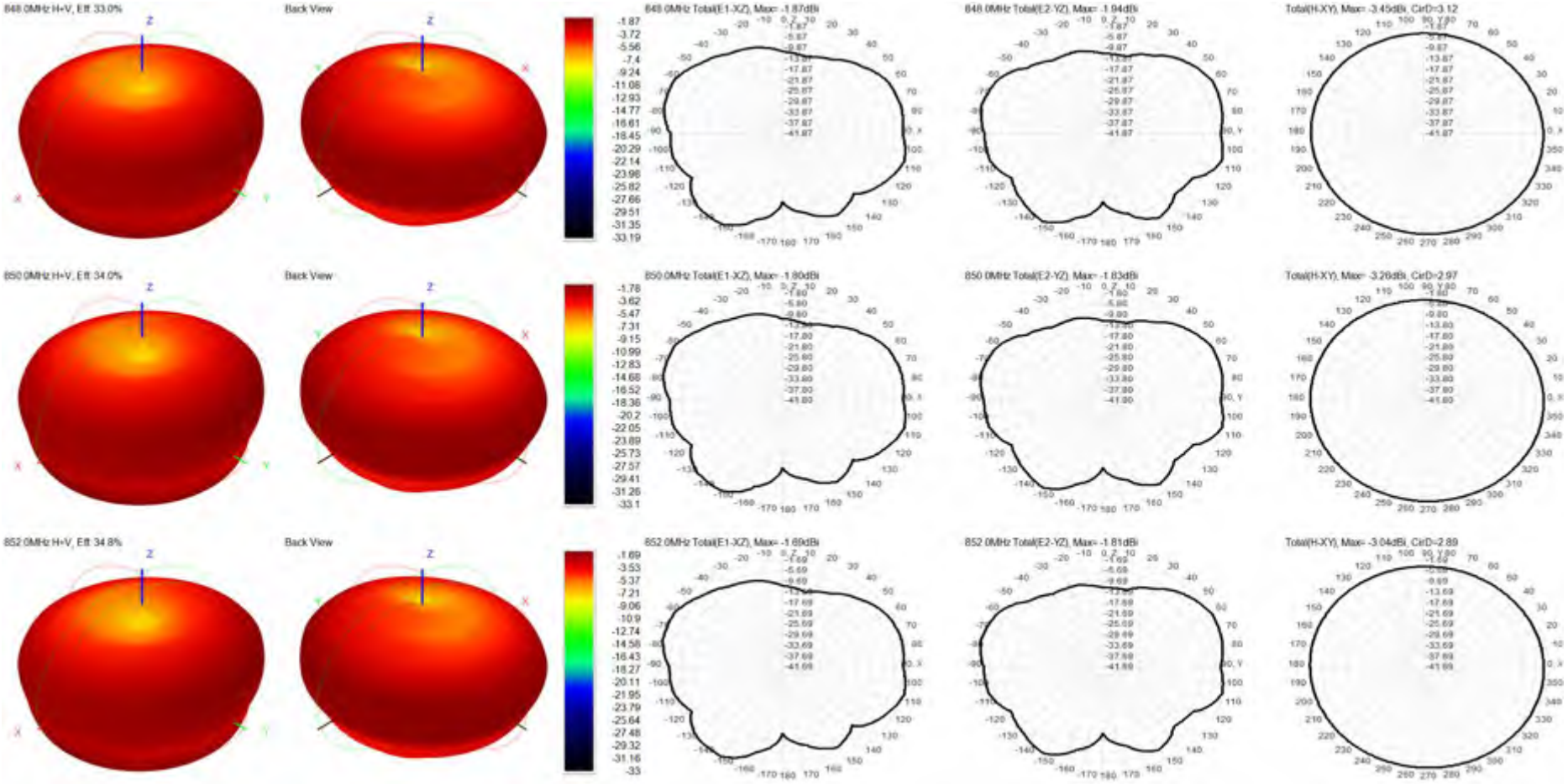

818.0MHz H+V, Eff: 17.1%
Back View
818.0MHz Total(E1-XZ), Max= -4.54dBi
818.0MHz Total(E2-YZ), Max= -4.59dBi
Total(H-XY), Max= -6.95dBi, CirD=4.57
820.0MHz H+V, Eff: 17.6%
Back View
820.0MHz Total(E1-XZ), Max= -4.42dBi
820.0MHz Total(E2-YZ), Max= -4.54dBi
Total(H-XY), Max= -6.84dBi, CirD=4.48
822.0MHz H+V, Eff: 18.7%
Back View
822.0MHz Total(E1-XZ), Max= -4.20dBi
822.0MHz Total(E2-YZ), Max= -4.39dBi
Total(H-XY), Max= -6.64dBi, CirD=4.36

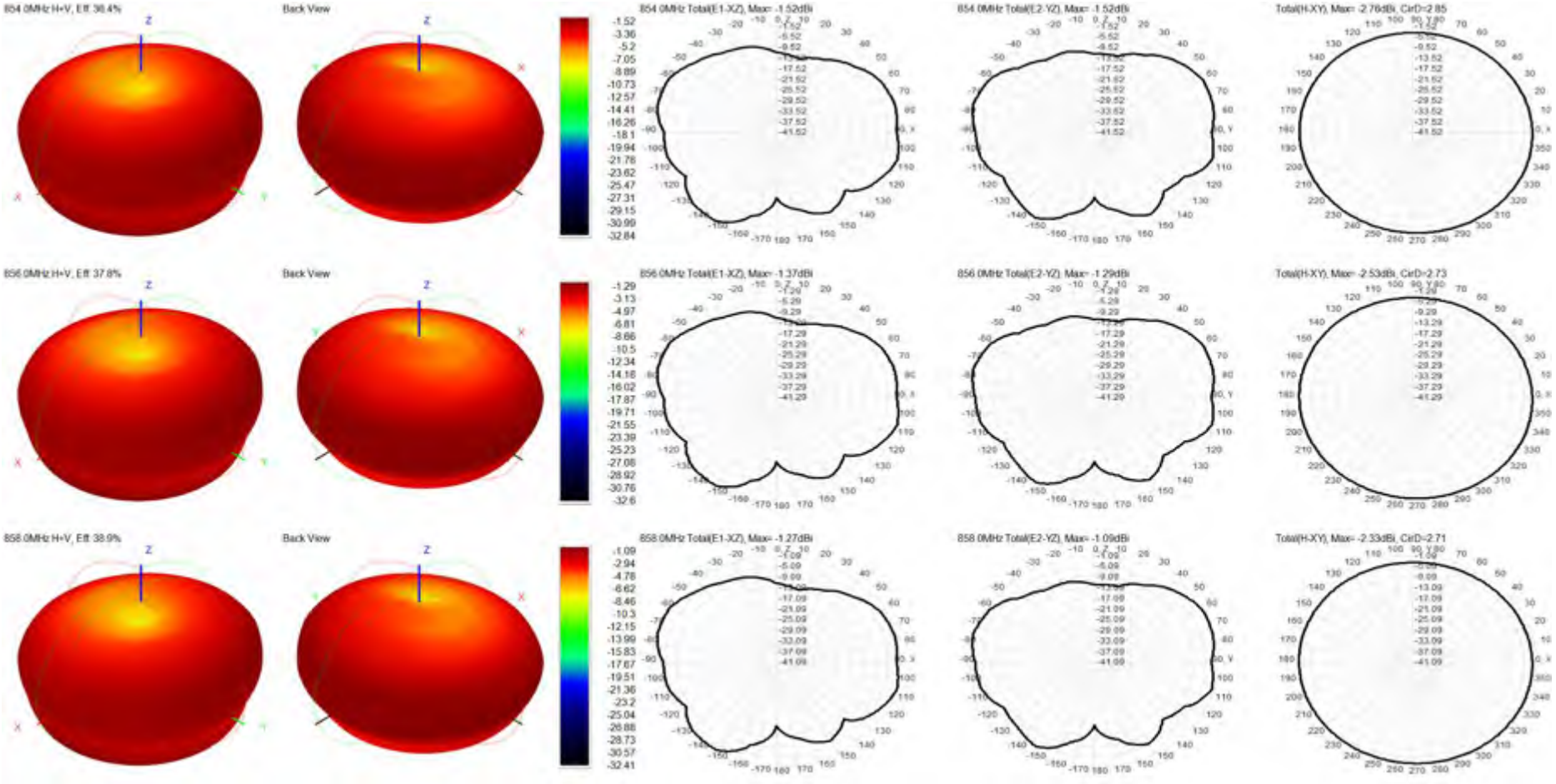

824.0MHz H+V, Eff: 19.4%
Back View
824.0MHz Total(E1-XZ), Max= -4.11dBi
824.0MHz Total(E2-YZ), Max= -4.35dBi
Total(H-XY), Max= -6.38dBi, CirD=4.40
826.0MHz H+V, Eff: 19.9%
Back View
826.0MHz Total(E1-XZ), Max= -4.05dBi
826.0MHz Total(E2-YZ), Max= -4.35dBi
Total(H-XY), Max= -6.33dBi, CirD=4.23
828.0MHz H+V, Eff: 20.5%
Back View
828.0MHz Total(E1-XZ), Max= -3.96dBi
828.0MHz Total(E2-YZ), Max= -4.39dBi
Total(H-XY), Max= -6.19dBi, CirD=4.20

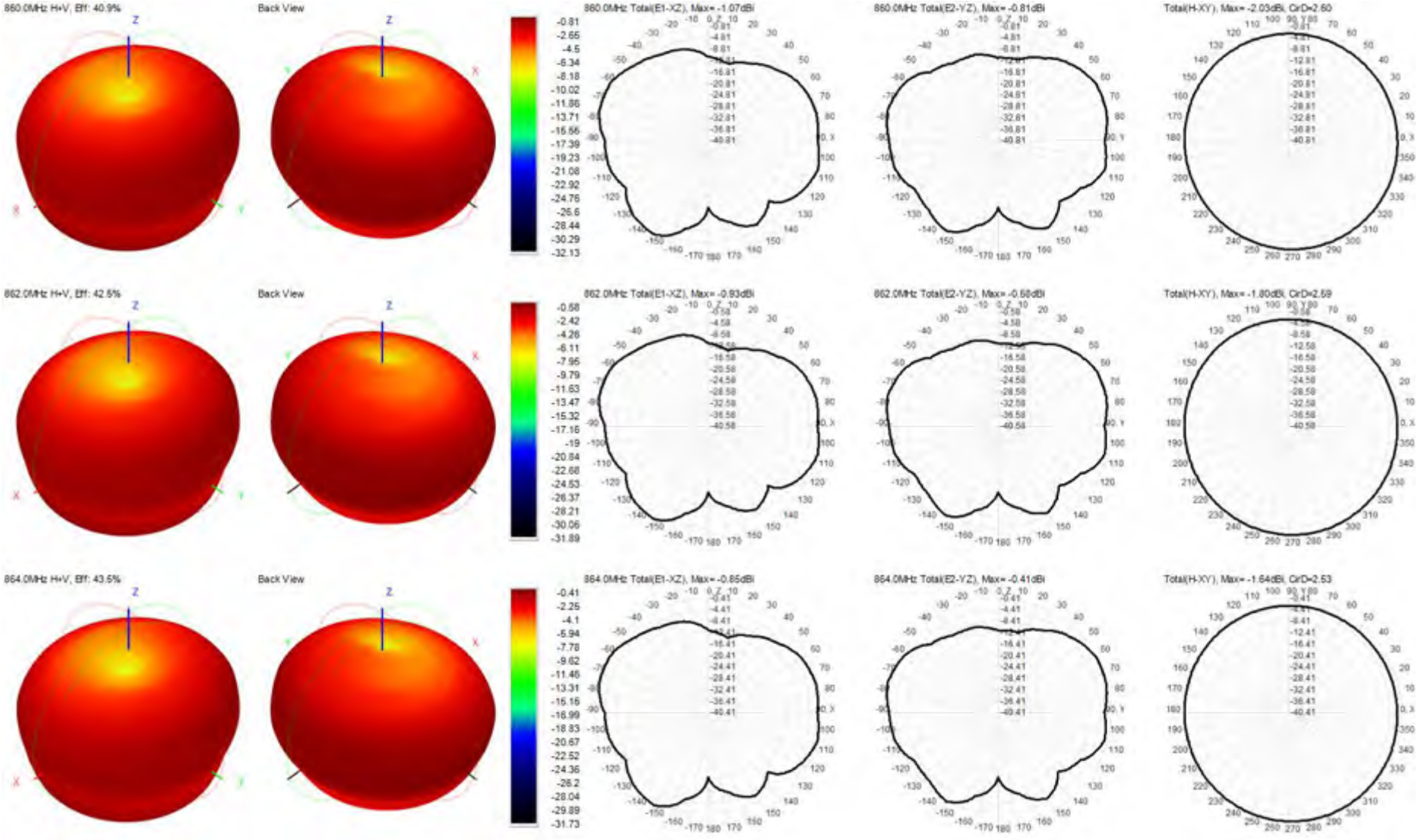

830.0MHz H+V, Eff: 21.3%
Back View
830.0MHz Total(E1-XZ), Max= -3.86dBi
830.0MHz Total(E2-YZ), Max= -4.27dBi
Total(H-XY), Max= -6.02dBi, CirD=4.11
832.0MHz H+V, Eff: 21.7%
Back View
832.0MHz Total(E1-XZ), Max= -3.80dBi
832.0MHz Total(E2-YZ), Max= -4.08dBi
Total(H-XY), Max= -5.84dBi, CirD=4.04
834.0MHz H+V, Eff: 22.8%
Back View
834.0MHz Total(E1-XZ), Max= -3.56dBi
834.0MHz Total(E2-YZ), Max= -3.73dBi
Total(H-XY), Max= -5.60dBi, CirD=3.91

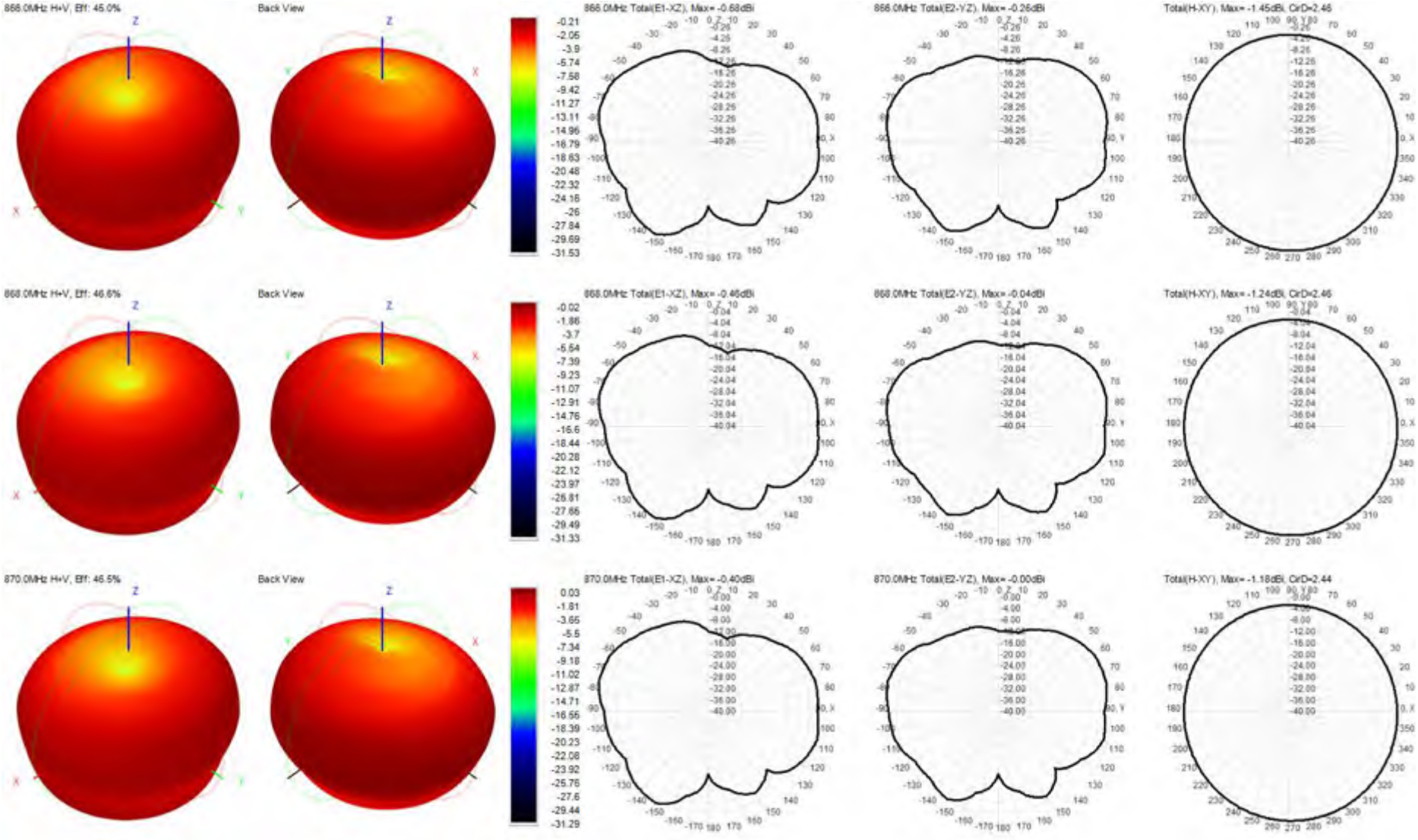

836.0MHz H+V, Eff: 24.1%
Back View
836.0MHz Total(E1-XZ), Max= -3.25dBi
836.0MHz Total(E2-YZ), Max= -3.42dBi
Total(H-XY), Max= -5.26dBi, CirD=3.84
838.0MHz H+V, Eff: 25.5%
Back View
838.0MHz Total(E1-XZ), Max= -3.01dBi
838.0MHz Total(E2-YZ), Max= -3.13dBi
Total(H-XY), Max= -4.99dBi, CirD=3.71
840.0MHz H+V, Eff: 27.2%
Back View
840.0MHz Total(E1-XZ), Max= -2.71dBi
840.0MHz Total(E2-YZ), Max= -2.79dBi
Total(H-XY), Max= -4.61dBi, CirD=3.60

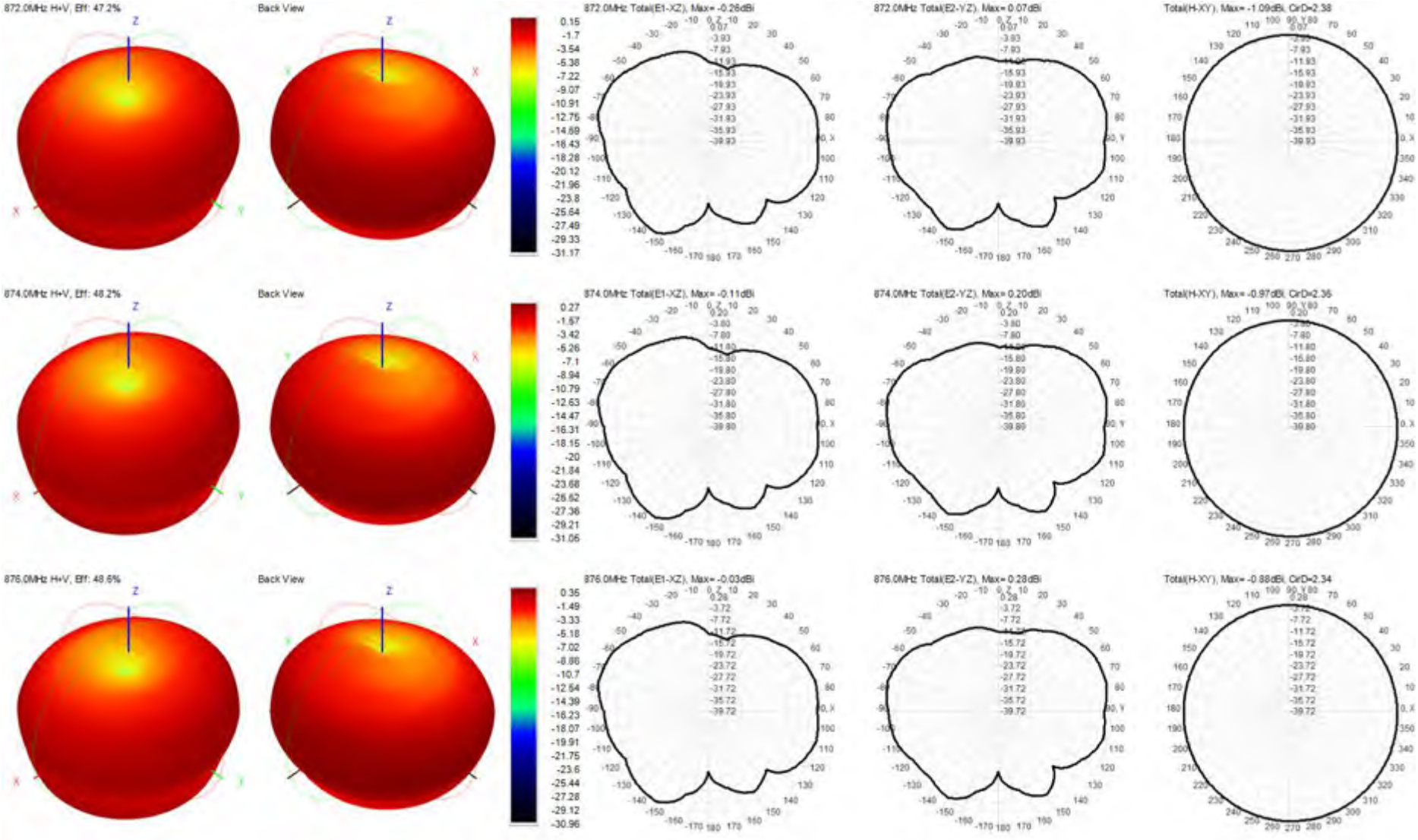

842.0MHz H+V, Eff: 29.3%
Back View
842.0MHz Total(E1-XZ), Max= -2.39dBi
842.0MHz Total(E2-YZ), Max= -2.49dBi
Total(H-XY), Max= -4.24dBi, CirD=3.45
844.0MHz H+V, Eff: 30.5%
Back View
844.0MHz Total(E1-XZ), Max= -2.22dBi
844.0MHz Total(E2-YZ), Max= -2.29dBi
Total(H-XY), Max= -3.98dBi, CirD=3.34
846.0MHz H+V, Eff: 31.7%
Back View
846.0MHz Total(E1-XZ), Max= -2.04dBi
846.0MHz Total(E2-YZ), Max= -2.08dBi
Total(H-XY), Max= -3.74dBi, CirD=3.21

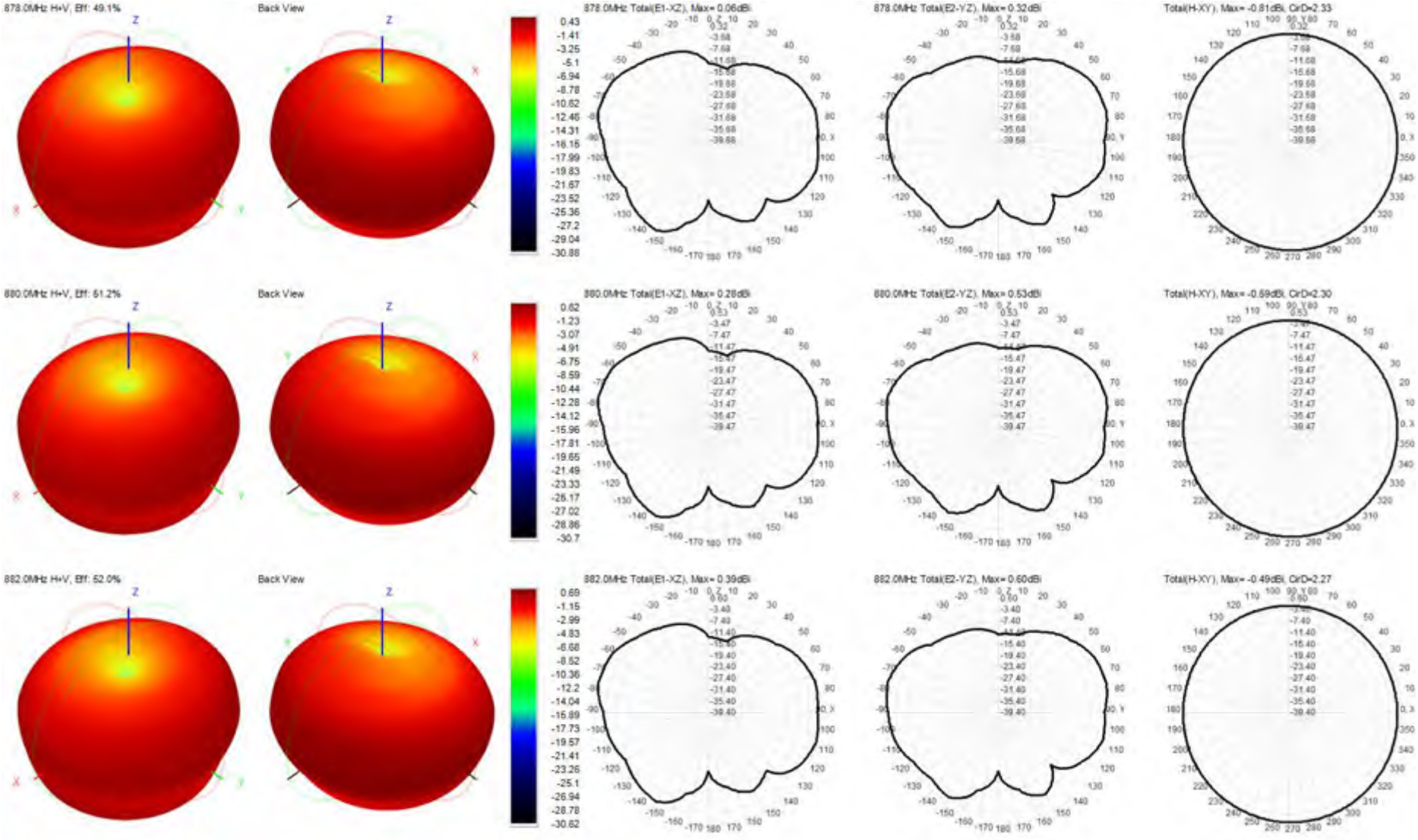

848.0MHz H+V, Eff: 33.0%
Back View
848.0MHz Total(E1-XZ), Max= -1.87dBi
848.0MHz Total(E2-YZ), Max= -1.94dBi
Total(H-XY), Max= -3.45dBi, CirD=3.12
850.0MHz H+V, Eff: 34.0%
Back View
850.0MHz Total(E1-XZ), Max= -1.80dBi
850.0MHz Total(E2-YZ), Max= -1.83dBi
Total(H-XY), Max= -3.26dBi, CirD=2.97
852.0MHz H+V, Eff: 34.8%
Back View
852.0MHz Total(E1-XZ), Max= -1.69dBi
852.0MHz Total(E2-YZ), Max= -1.81dBi
Total(H-XY), Max= -3.04dBi, CirD=2.89

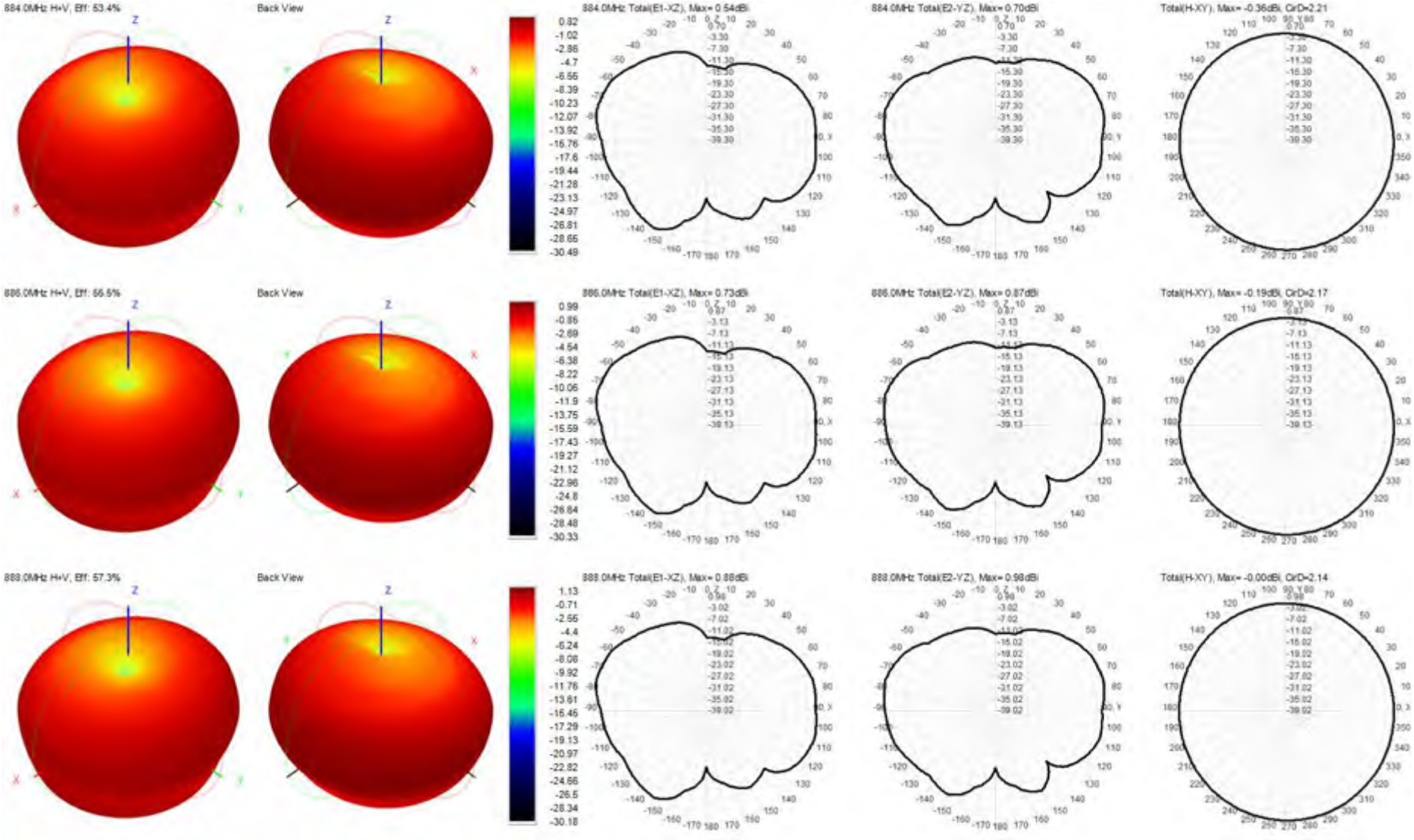

854.0MHz H+V, Eff: 36.4%
Back View
854.0MHz Total(E1-XZ), Max= -1.52dBi
854.0MHz Total(E2-YZ), Max= -1.52dBi
Total(H-XY), Max= -2.76dBi, CirD=2.85
856.0MHz H+V, Eff: 37.8%
Back View
856.0MHz Total(E1-XZ), Max= -1.37dBi
856.0MHz Total(E2-YZ), Max= -1.29dBi
Total(H-XY), Max= -2.53dBi, CirD=2.73
858.0MHz H+V, Eff: 38.9%
Back View
858.0MHz Total(E1-XZ), Max= -1.27dBi
858.0MHz Total(E2-YZ), Max= -1.09dBi
Total(H-XY), Max= -2.33dBi, CirD=2.71

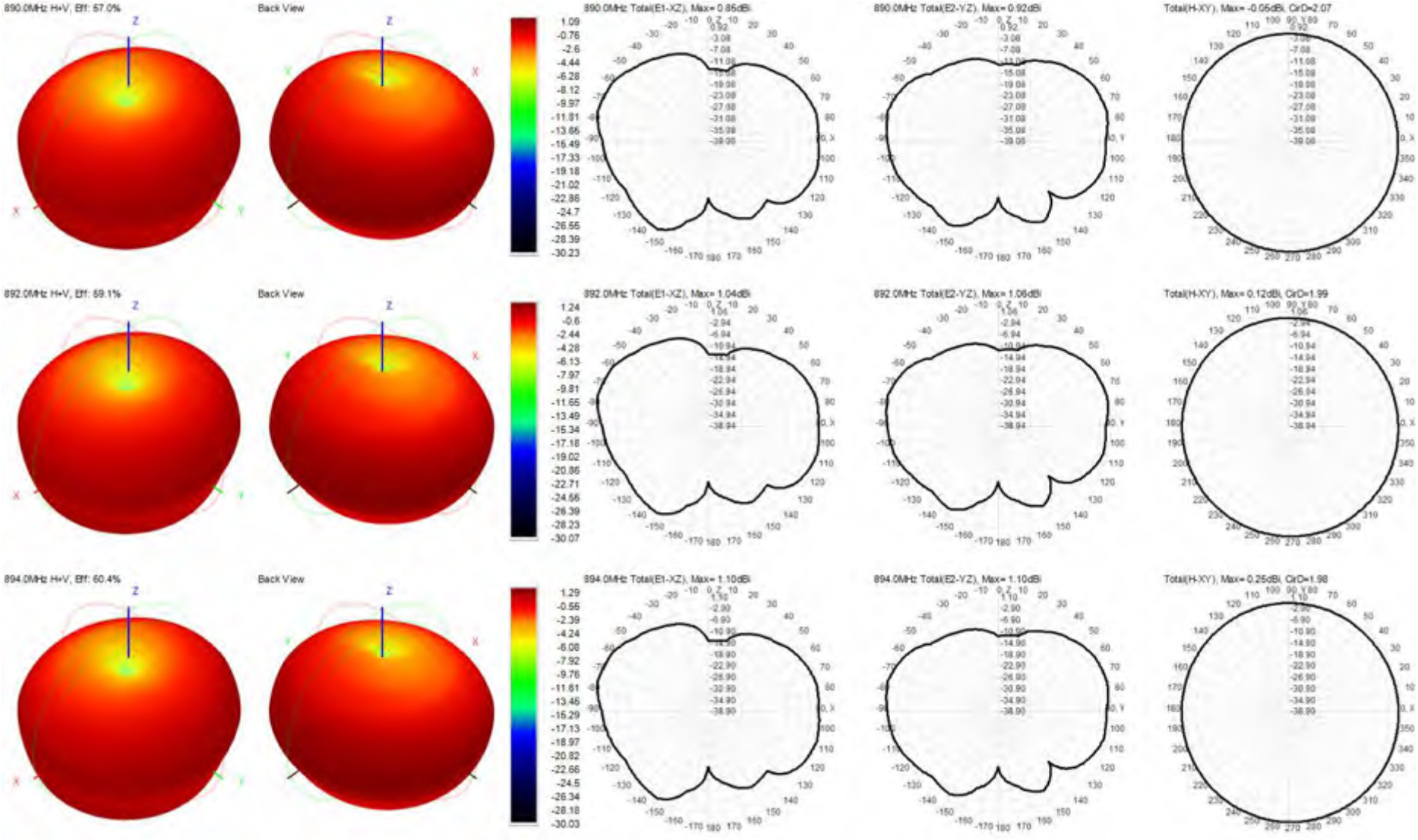

860.0MHz H+V, Eff: 40.9%
Back View
-0.81
-2.65
-4.5
-6.34
-8.18
-10.02
-11.86
-13.71
-15.55
-17.39
-19.23
-21.08
-22.92
-24.76
-26.6
-28.44
-30.29
-32.13
860.0MHz Total(E1-XZ), Max= -1.07dBi
860.0MHz Total(E2-YZ), Max= -0.81dBi
Total(H-XY), Max= -2.03dBi, CirD=2.60
862.0MHz H+V, Eff: 42.5%
Back View
-0.58
-2.42
-4.26
-6.11
-7.95
-9.79
-11.63
-13.47
-15.32
-17.16
-19
-20.84
-22.68
-24.53
-26.37
-28.21
-30.06
-31.89
862.0MHz Total(E1-XZ), Max= -0.93dBi
862.0MHz Total(E2-YZ), Max= -0.58dBi
Total(H-XY), Max= -1.80dBi, CirD=2.59
864.0MHz H+V, Eff: 43.5%
Back View
-0.41
-2.25
-4.1
-5.94
-7.78
-9.62
-11.46
-13.31
-15.15
-16.99
-18.83
-20.67
-22.52
-24.36
-26.2
-28.04
-29.89
-31.73
864.0MHz Total(E1-XZ), Max= -0.85dBi
864.0MHz Total(E2-YZ), Max= -0.41dBi
Total(H-XY), Max= -1.64dBi, CirD=2.53

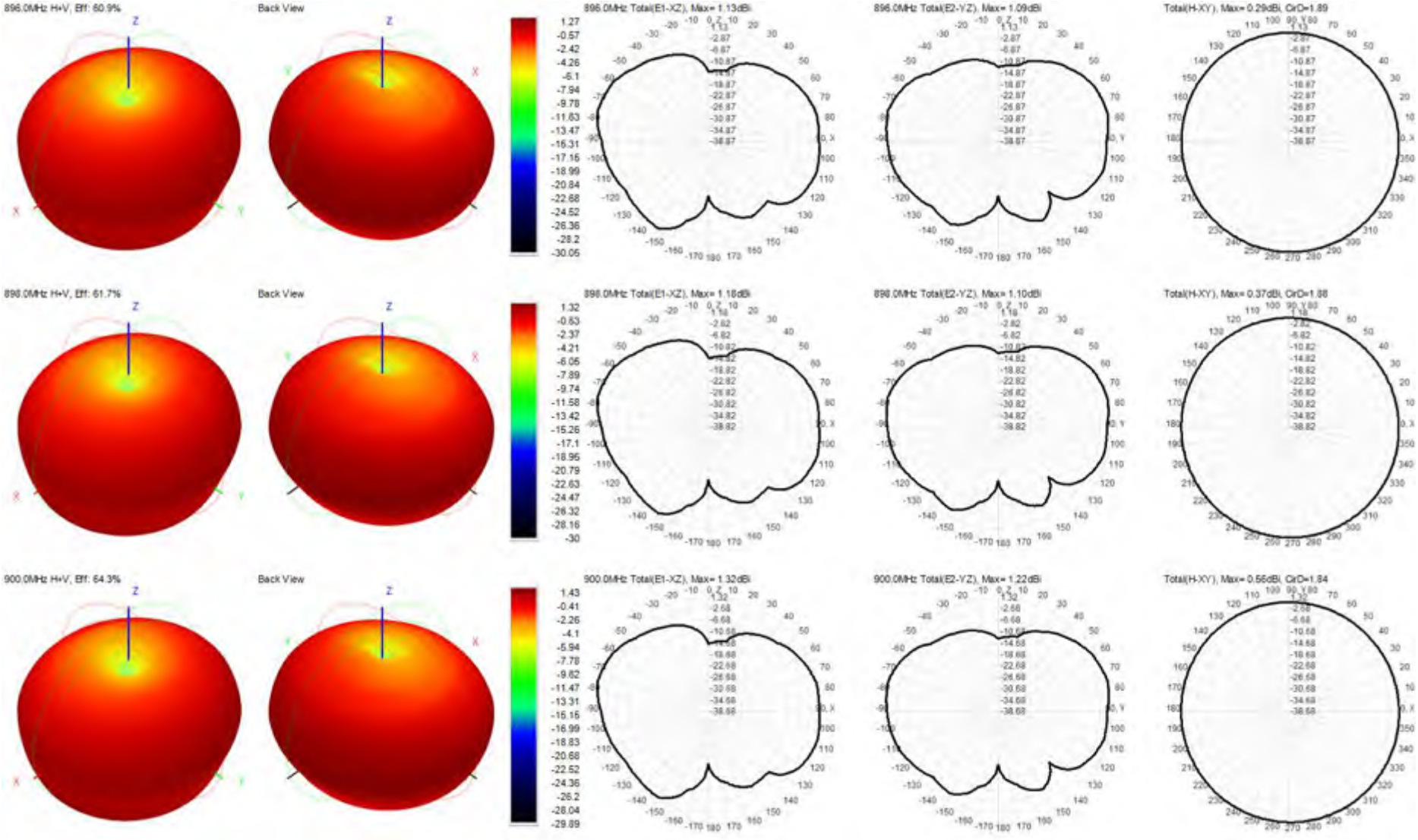

866.0MHz H+V, Eff: 45.0%
Back View
866.0MHz Total(E1-XZ), Max= -0.68dBi
866.0MHz Total(E2-YZ), Max= -0.26dBi
Total(H-XY), Max= -1.45dBi, CirD=2.46
868.0MHz H+V, Eff: 46.6%
Back View
868.0MHz Total(E1-XZ), Max= -0.46dBi
868.0MHz Total(E2-YZ), Max= -0.04dBi
Total(H-XY), Max= -1.24dBi, CirD=2.46
870.0MHz H+V, Eff: 46.5%
Back View
870.0MHz Total(E1-XZ), Max= -0.40dBi
870.0MHz Total(E2-YZ), Max= -0.00dBi
Total(H-XY), Max= -1.18dBi, CirD=2.44

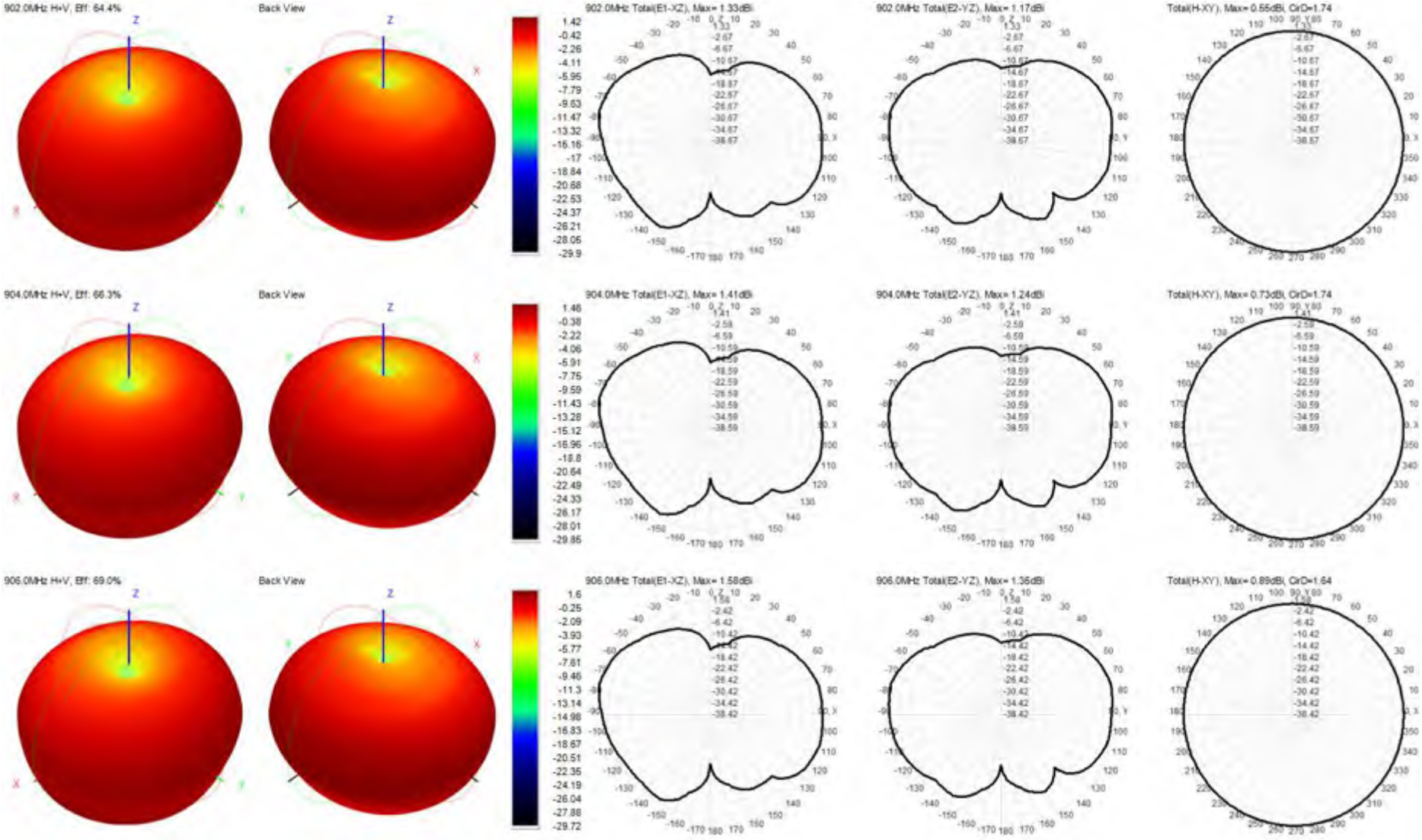

872.0MHz H+V, Eff: 47.2%
Back View
872.0MHz Total(E1-XZ), Max= -0.26dBi
872.0MHz Total(E2-YZ), Max= 0.07dBi
Total(H-XY), Max= -1.09dBi, CirD=2.38
874.0MHz H+V, Eff: 48.2%
Back View
874.0MHz Total(E1-XZ), Max= -0.11dBi
874.0MHz Total(E2-YZ), Max= 0.20dBi
Total(H-XY), Max= -0.97dBi, CirD=2.36
876.0MHz H+V, Eff: 48.6%
Back View
876.0MHz Total(E1-XZ), Max= -0.03dBi
876.0MHz Total(E2-YZ), Max= 0.28dBi
Total(H-XY), Max= -0.88dBi, CirD=2.34

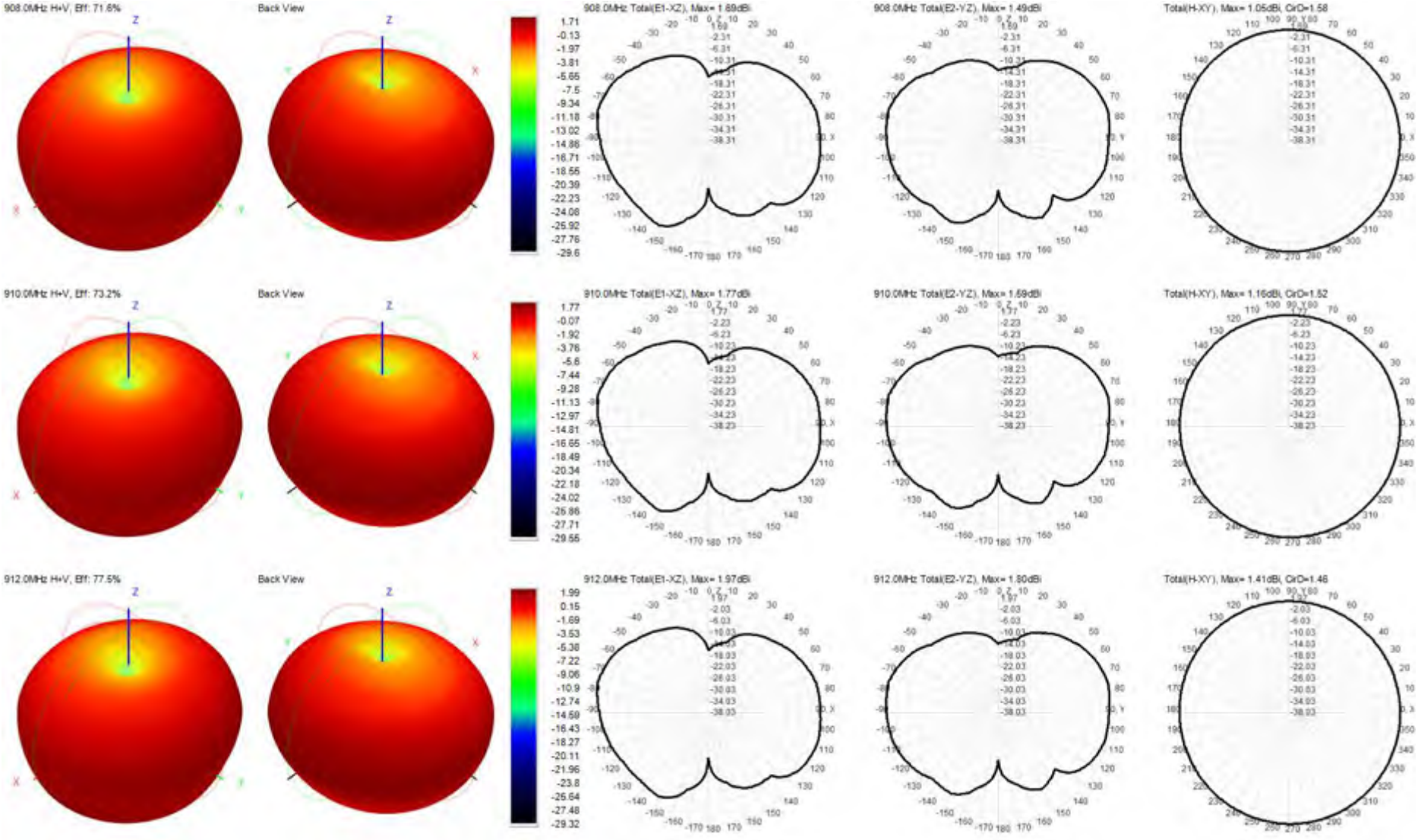

878.0MHz H+V, Eff: 49.1%
Back View
878.0MHz Total(E1-XZ), Max= 0.06dBi
878.0MHz Total(E2-YZ), Max= 0.32dBi
Total(H-XY), Max= -0.81dBi, CirD=2.33
880.0MHz H+V, Eff: 51.2%
Back View
880.0MHz Total(E1-XZ), Max= 0.28dBi
880.0MHz Total(E2-YZ), Max= 0.53dBi
Total(H-XY), Max= -0.59dBi, CirD=2.30
882.0MHz H+V, Eff: 52.0%
Back View
882.0MHz Total(E1-XZ), Max= 0.39dBi
882.0MHz Total(E2-YZ), Max= 0.60dBi
Total(H-XY), Max= -0.49dBi, CirD=2.27

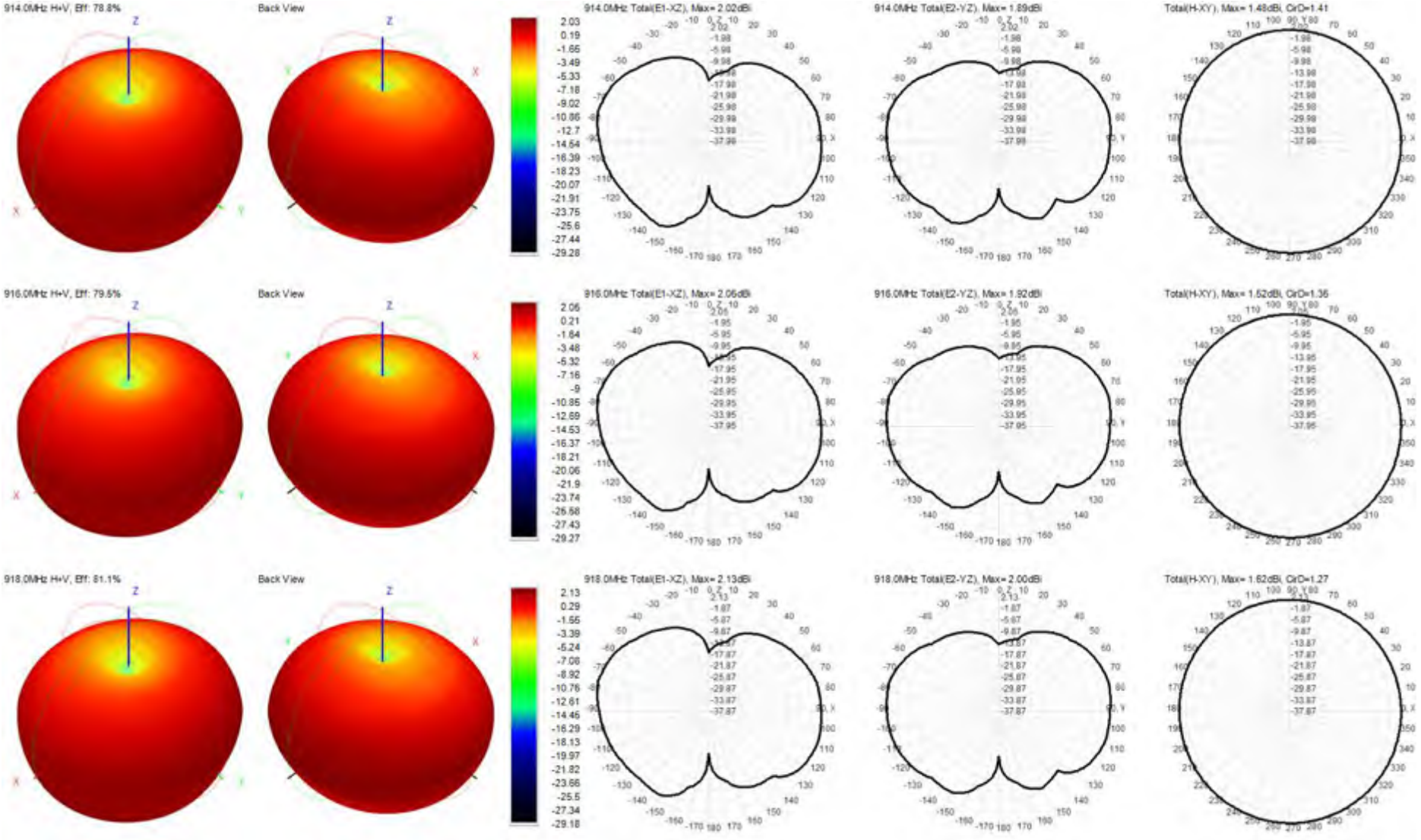

884.0MHz H+V, Eff: 53.4%
Back View
884.0MHz Total(E1-XZ), Max= 0.54dBi
884.0MHz Total(E2-YZ), Max= 0.70dBi
Total(H-XY), Max= -0.36dBi, CirD=2.21
886.0MHz H+V, Eff: 56.5%
Back View
886.0MHz Total(E1-XZ), Max= 0.73dBi
886.0MHz Total(E2-YZ), Max= 0.87dBi
Total(H-XY), Max= -0.19dBi, CirD=2.17
888.0MHz H+V, Eff: 57.3%
Back View
888.0MHz Total(E1-XZ), Max= 0.88dBi
888.0MHz Total(E2-YZ), Max= 0.98dBi
Total(H-XY), Max= -0.00dBi, CirD=2.14

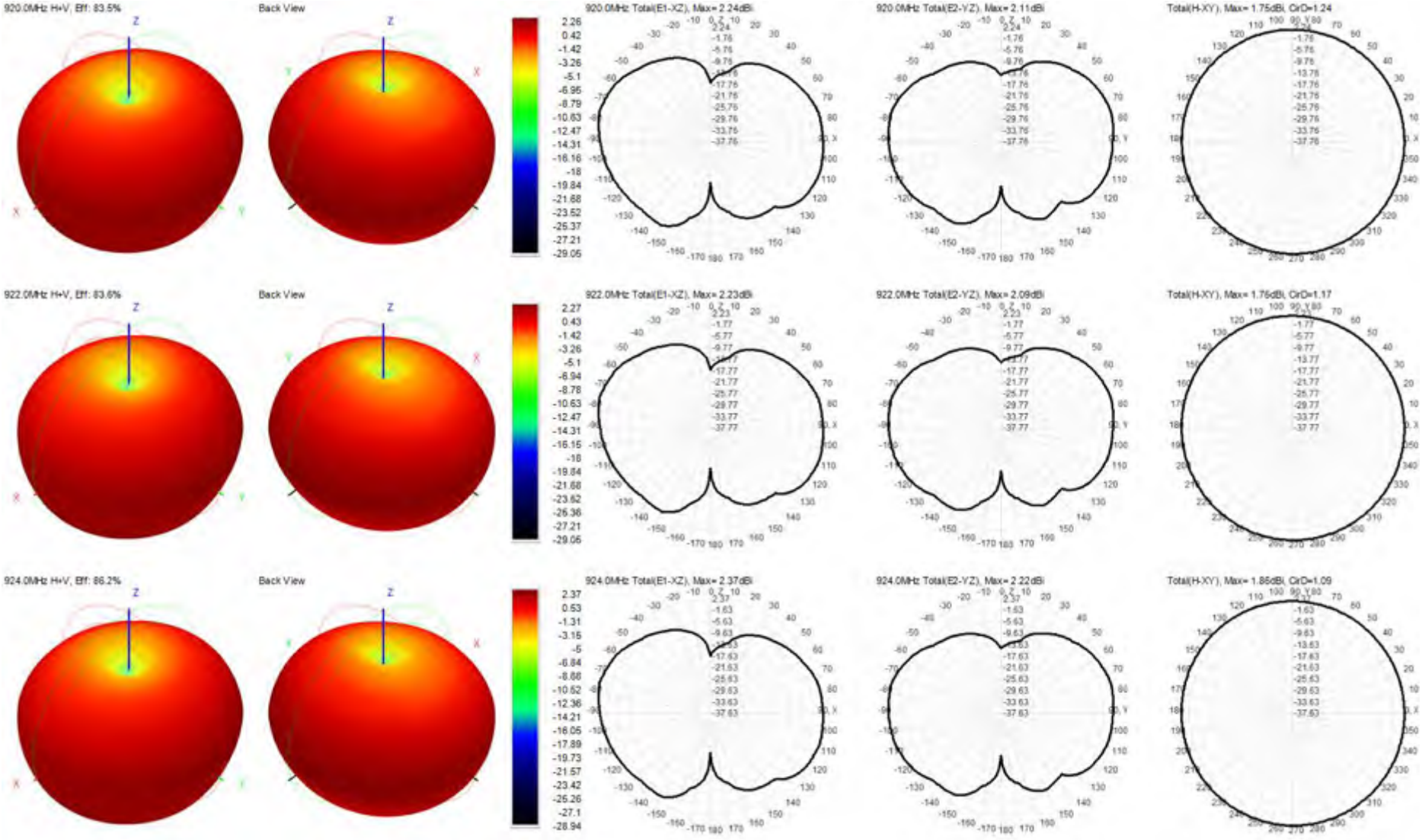

890.0MHz H+V, Eff: 57.0%
Back View
890.0MHz Total(E1-XZ), Max= 0.85dBi
890.0MHz Total(E2-YZ), Max= 0.92dBi
Total(H-XY), Max= -0.05dBi, CirD=2.07
892.0MHz H+V, Eff: 59.1%
Back View
892.0MHz Total(E1-XZ), Max= 1.04dBi
892.0MHz Total(E2-YZ), Max= 1.06dBi
Total(H-XY), Max= 0.12dBi, CirD=1.99
894.0MHz H+V, Eff: 60.4%
Back View
894.0MHz Total(E1-XZ), Max= 1.10dBi
894.0MHz Total(E2-YZ), Max= 1.10dBi
Total(H-XY), Max= 0.25dBi, CirD=1.98

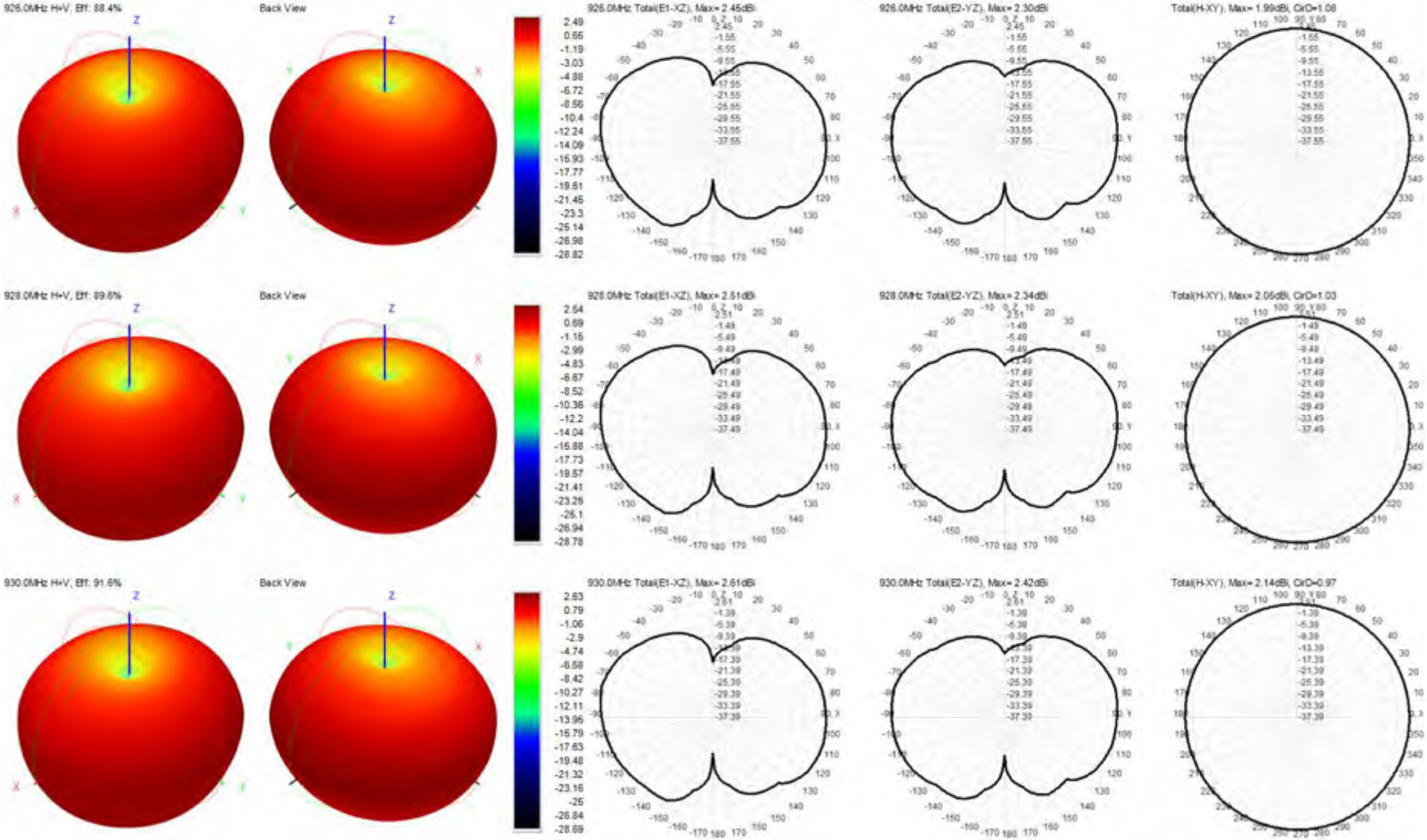

896.0MHz H+V, Eff: 60.9%
Back View
896.0MHz Total(E1-XZ), Max= 1.13dBi
896.0MHz Total(E2-YZ), Max= 1.09dBi
Total(H-XY), Max= 0.29dBi, CrD=1.89
896.0MHz H+V, Eff: 61.7%
Back View
896.0MHz Total(E1-XZ), Max= 1.18dBi
896.0MHz Total(E2-YZ), Max= 1.10dBi
Total(H-XY), Max= 0.37dBi, CrD=1.88
900.0MHz H+V, Eff: 64.3%
Back View
900.0MHz Total(E1-XZ), Max= 1.32dBi
900.0MHz Total(E2-YZ), Max= 1.22dBi
Total(H-XY), Max= 0.56dBi, CrD=1.84

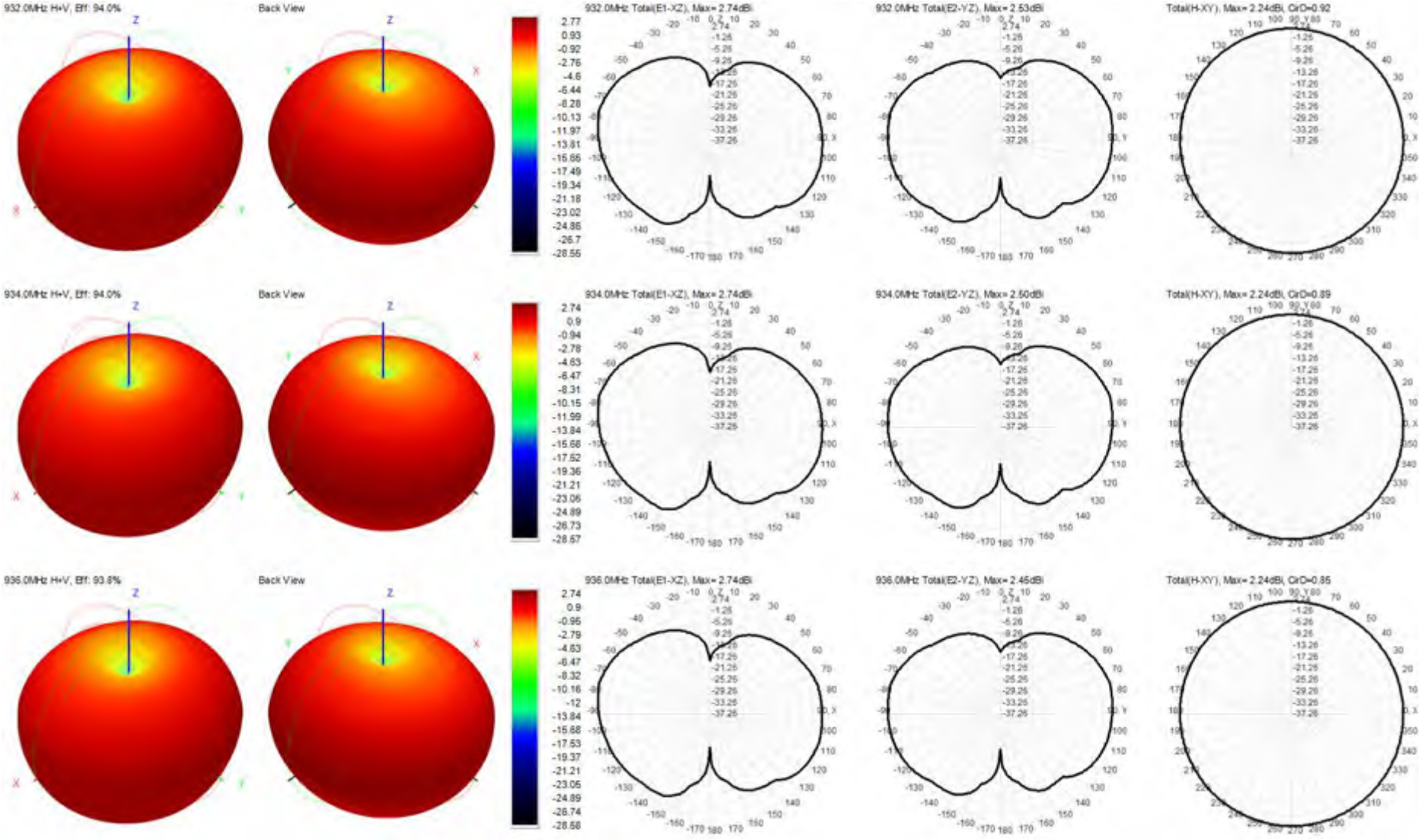

902.0MHz H+V, Eff: 64.4%
Back View
902.0MHz Total(E1-XZ), Max= 1.33dBi
902.0MHz Total(E2-YZ), Max= 1.17dBi
Total(H-XY), Max= 0.55dBi, CrD=1.74
904.0MHz H+V, Eff: 66.3%
Back View
904.0MHz Total(E1-XZ), Max= 1.41dBi
904.0MHz Total(E2-YZ), Max= 1.24dBi
Total(H-XY), Max= 0.73dBi, CrD=1.74
906.0MHz H+V, Eff: 69.0%
Back View
906.0MHz Total(E1-XZ), Max= 1.58dBi
906.0MHz Total(E2-YZ), Max= 1.36dBi
Total(H-XY), Max= 0.89dBi, CrD=1.64

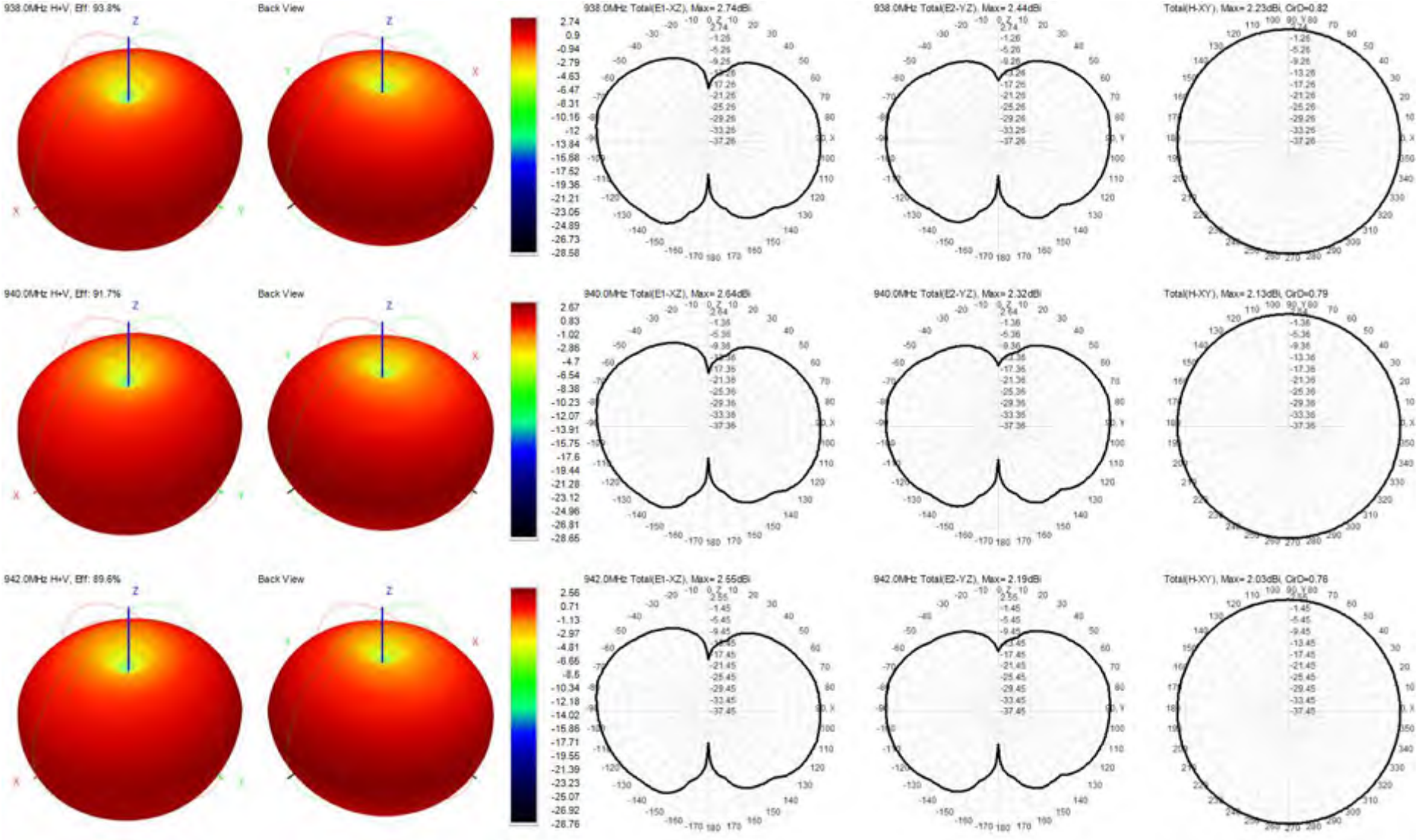

908.0MHz H+V, Eff: 71.6%
Back View
908.0MHz Total(E1-XZ), Max= 1.89dBi
908.0MHz Total(E2-YZ), Max= 1.49dBi
Total(H-XY), Max= 1.05dBi, CrD=1.58
910.0MHz H+V, Eff: 73.2%
Back View
910.0MHz Total(E1-XZ), Max= 1.77dBi
910.0MHz Total(E2-YZ), Max= 1.59dBi
Total(H-XY), Max= 1.16dBi, CrD=1.52
912.0MHz H+V, Eff: 77.5%
Back View
912.0MHz Total(E1-XZ), Max= 1.97dBi
912.0MHz Total(E2-YZ), Max= 1.80dBi
Total(H-XY), Max= 1.41dBi, CrD=1.46

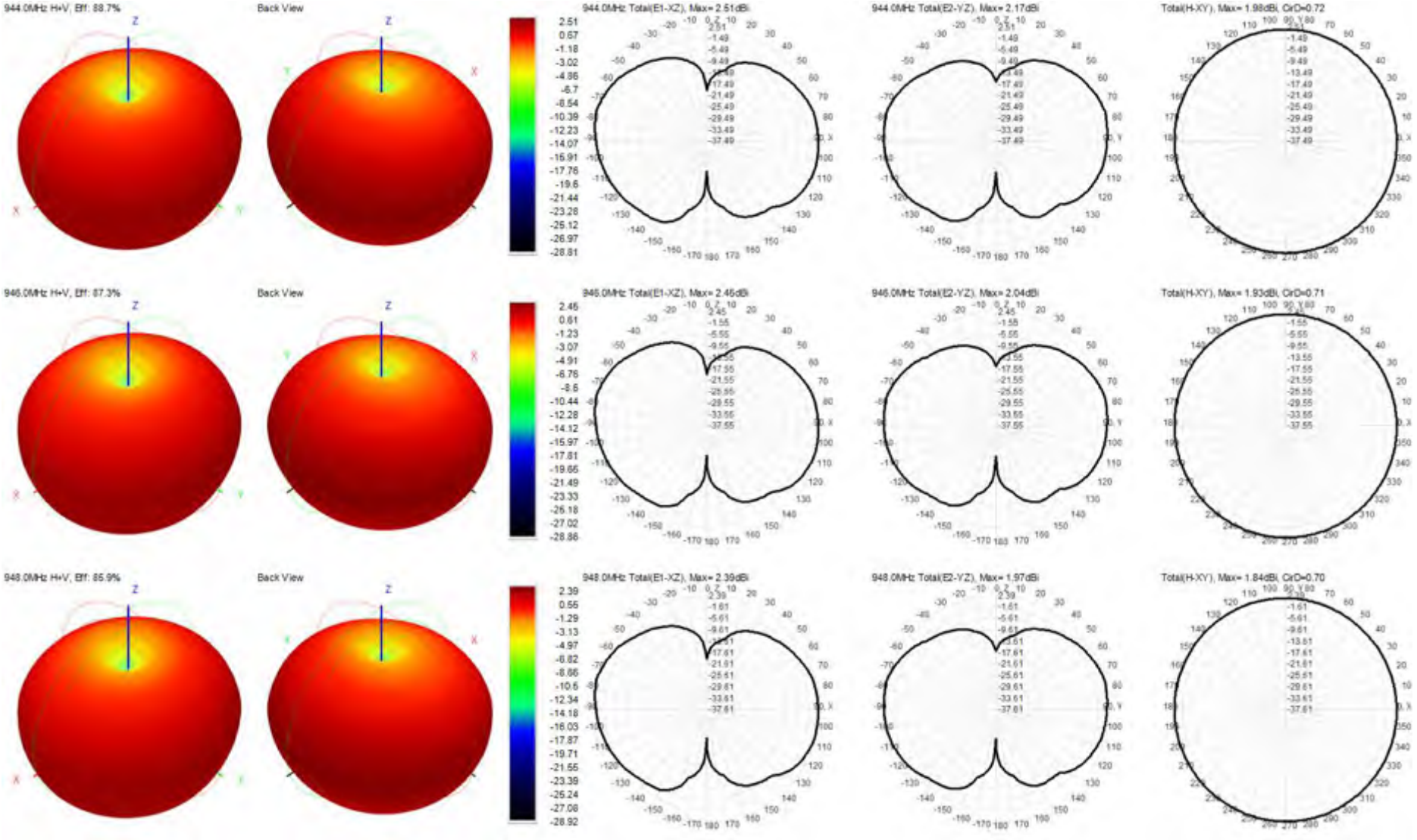

914.0MHz H+V, Eff: 78.8%
Back View
914.0MHz Total(E1-XZ), Max= 2.02dBi
914.0MHz Total(E2-YZ), Max= 1.89dBi
Total(H-XY), Max= 1.48dBi, CrD=1.41
916.0MHz H+V, Eff: 79.5%
Back View
916.0MHz Total(E1-XZ), Max= 2.06dBi
916.0MHz Total(E2-YZ), Max= 1.92dBi
Total(H-XY), Max= 1.52dBi, CrD=1.36
918.0MHz H+V, Eff: 81.1%
Back View
918.0MHz Total(E1-XZ), Max= 2.13dBi
918.0MHz Total(E2-YZ), Max= 2.00dBi
Total(H-XY), Max= 1.62dBi, CrD=1.27

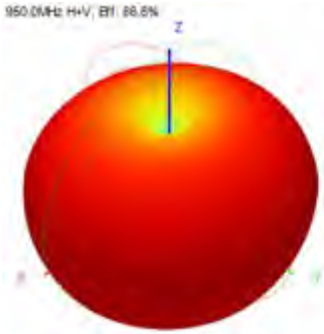

920.0MHz H+V, Eff: 83.5%
Back View
920.0MHz Total(E1-XZ), Max= 2.24dBi
920.0MHz Total(E2-YZ), Max= 2.11dBi
Total(H-XY), Max= 1.75dBi, CrD=1.24
922.0MHz H+V, Eff: 83.6%
Back View
922.0MHz Total(E1-XZ), Max= 2.23dBi
922.0MHz Total(E2-YZ), Max= 2.09dBi
Total(H-XY), Max= 1.76dBi, CrD=1.17
924.0MHz H+V, Eff: 86.2%
Back View
924.0MHz Total(E1-XZ), Max= 2.37dBi
924.0MHz Total(E2-YZ), Max= 2.22dBi
Total(H-XY), Max= 1.86dBi, CrD=1.09

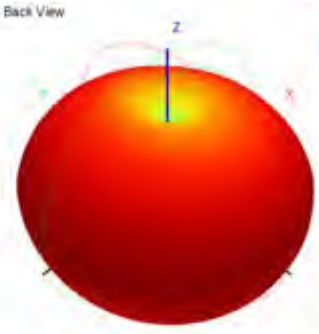

926.0MHz H+V, Eff: 88.4%
Back View
926.0MHz Total(E1-XZ), Max= 2.45dBi
926.0MHz Total(E2-YZ), Max= 2.30dBi
Total(H-XY), Max= 1.99dBi, CrD=1.08
928.0MHz H+V, Eff: 89.6%
Back View
928.0MHz Total(E1-XZ), Max= 2.51dBi
928.0MHz Total(E2-YZ), Max= 2.34dBi
Total(H-XY), Max= 2.05dBi, CrD=1.03
930.0MHz H+V, Eff: 91.6%
Back View
930.0MHz Total(E1-XZ), Max= 2.61dBi
930.0MHz Total(E2-YZ), Max= 2.42dBi
Total(H-XY), Max= 2.14dBi, CrD=0.97


932.0MHz H+V, Eff: 94.0%
Back View
2.77
0.93
-0.92
-2.76
-4.6
-6.44
-8.28
-10.13
-11.97
-13.81
-15.66
-17.49
-19.34
-21.18
-23.02
-24.86
-26.7
-28.55
932.0MHz Total(E1-XZ), Max= 2.74dBi
932.0MHz Total(E2-YZ), Max= 2.53dBi
Total(H-XY), Max= 2.24dBi, CirD=0.92
934.0MHz H+V, Eff: 94.0%
Back View
2.74
0.9
-0.94
-2.78
-4.63
-6.47
-8.31
-10.15
-11.99
-13.84
-15.68
-17.52
-19.36
-21.21
-23.06
-24.89
-26.73
-28.57
934.0MHz Total(E1-XZ), Max= 2.74dBi
934.0MHz Total(E2-YZ), Max= 2.50dBi
Total(H-XY), Max= 2.24dBi, CirD=0.89
936.0MHz H+V, Eff: 93.8%
Back View
2.74
0.9
-0.95
-2.79
-4.63
-6.47
-8.32
-10.16
-12
-13.84
-15.68
-17.53
-19.37
-21.21
-23.05
-24.89
-26.74
-28.58
936.0MHz Total(E1-XZ), Max= 2.74dBi
936.0MHz Total(E2-YZ), Max= 2.45dBi
Total(H-XY), Max= 2.24dBi, CirD=0.85

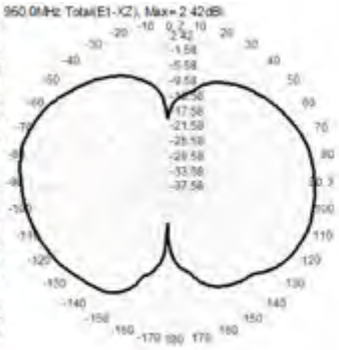

938.0MHz H+V, Eff: 93.8%
Back View
938.0MHz Total(E1-XZ), Max= 2.74dBi
938.0MHz Total(E2-YZ), Max= 2.44dBi
Total(H-XY), Max= 2.23dBi, CrD=0.82
940.0MHz H+V, Eff: 91.7%
Back View
940.0MHz Total(E1-XZ), Max= 2.64dBi
940.0MHz Total(E2-YZ), Max= 2.32dBi
Total(H-XY), Max= 2.13dBi, CrD=0.79
942.0MHz H+V, Eff: 89.6%
Back View
942.0MHz Total(E1-XZ), Max= 2.55dBi
942.0MHz Total(E2-YZ), Max= 2.19dBi
Total(H-XY), Max= 2.03dBi, CrD=0.76

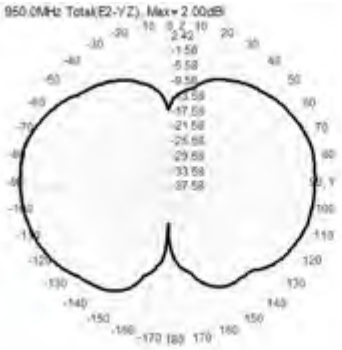

944.0MHz H+V, Eff: 88.7%
Back View
944.0MHz Total(E1-XZ), Max= 2.51dBi
944.0MHz Total(E2-YZ), Max= 2.17dBi
Total(H-XY), Max= 1.98dBi, CrD=0.72
946.0MHz H+V, Eff: 87.3%
Back View
946.0MHz Total(E1-XZ), Max= 2.45dBi
946.0MHz Total(E2-YZ), Max= 2.04dBi
Total(H-XY), Max= 1.93dBi, CrD=0.71
948.0MHz H+V, Eff: 85.9%
Back View
948.0MHz Total(E1-XZ), Max= 2.39dBi
948.0MHz Total(E2-YZ), Max= 1.97dBi
Total(H-XY), Max= 1.84dBi, CrD=0.70

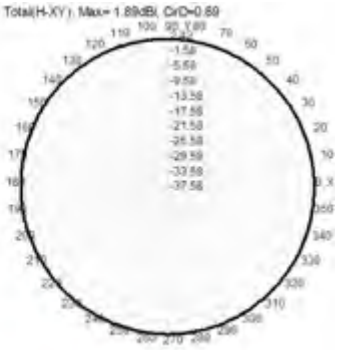

950.0MHz H+V, Eff: 88.6%
Z


Back View
Z


2.42
0.58
-1.26
-3.1
-4.96
-6.79
-8.63
-10.47
-12.31
-14.16
-16
-17.84
-19.68
-21.52
-23.37
-25.21
-27.05
-28.89


950.0MHz Total(E1-XZ), Max= 2.42dBi


950.0MHz Total(E2-YZ), Max= 2.00dBi


Total(H-XY), Max= 1.89dBi, CrD=0.89