

GSAA EIRP SPECTRAL DENSITY
PLOTS – TANGENT PLANE TO
GSO CO POL WITH
25.227(A)(1)(I)(A) MASK



DESCRIPTION

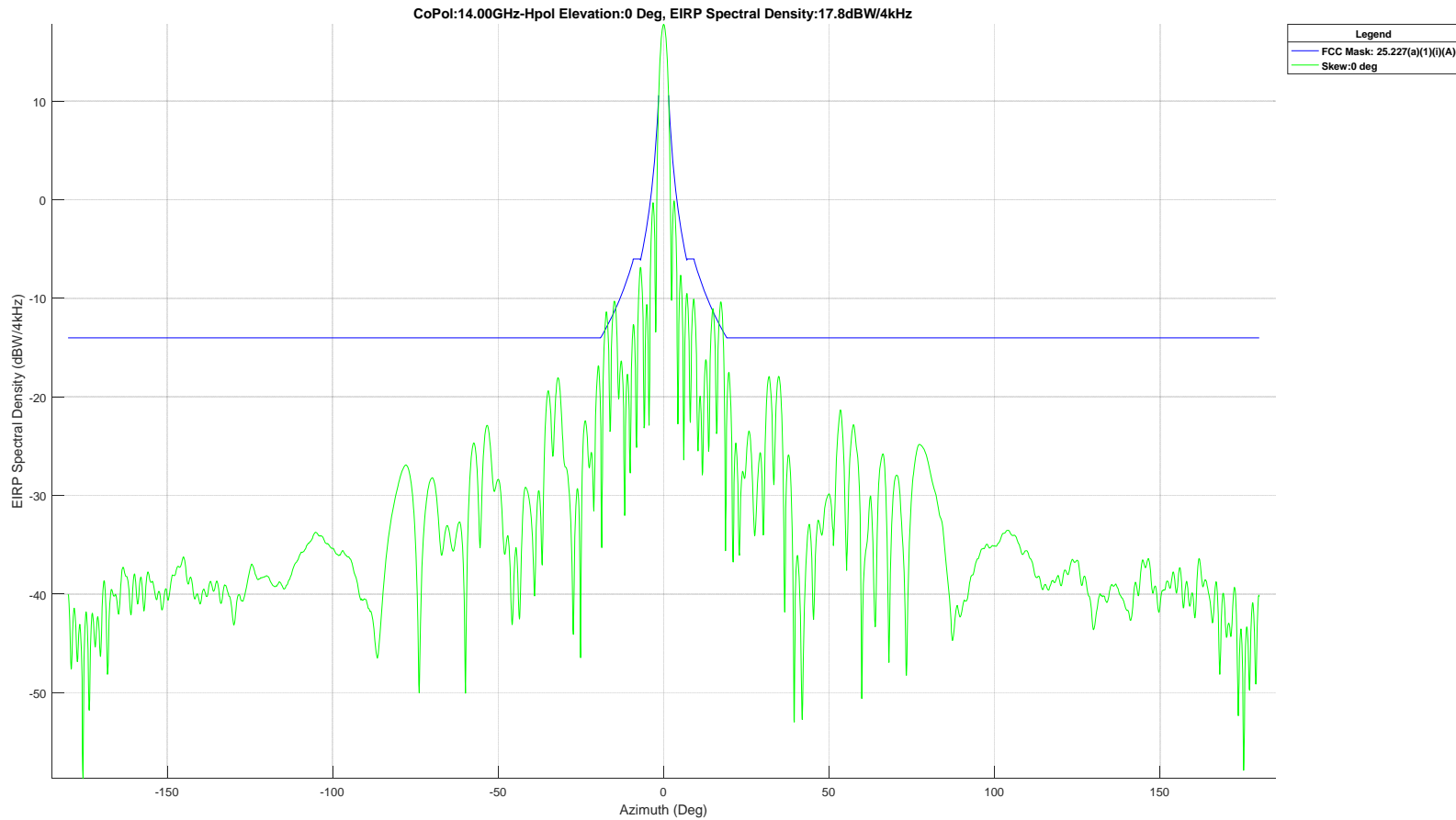
- EIRP Spectral Density plots are at 14.00 GHz, 14.25 GHz and 14.50 GHz for both vertical and horizontal polarization for the following Skew and Elevation Angles as it is mapped to the maximum EIRP Spectral Density in dBW/4kHz (in **BOLD**):

DESCRIPTION

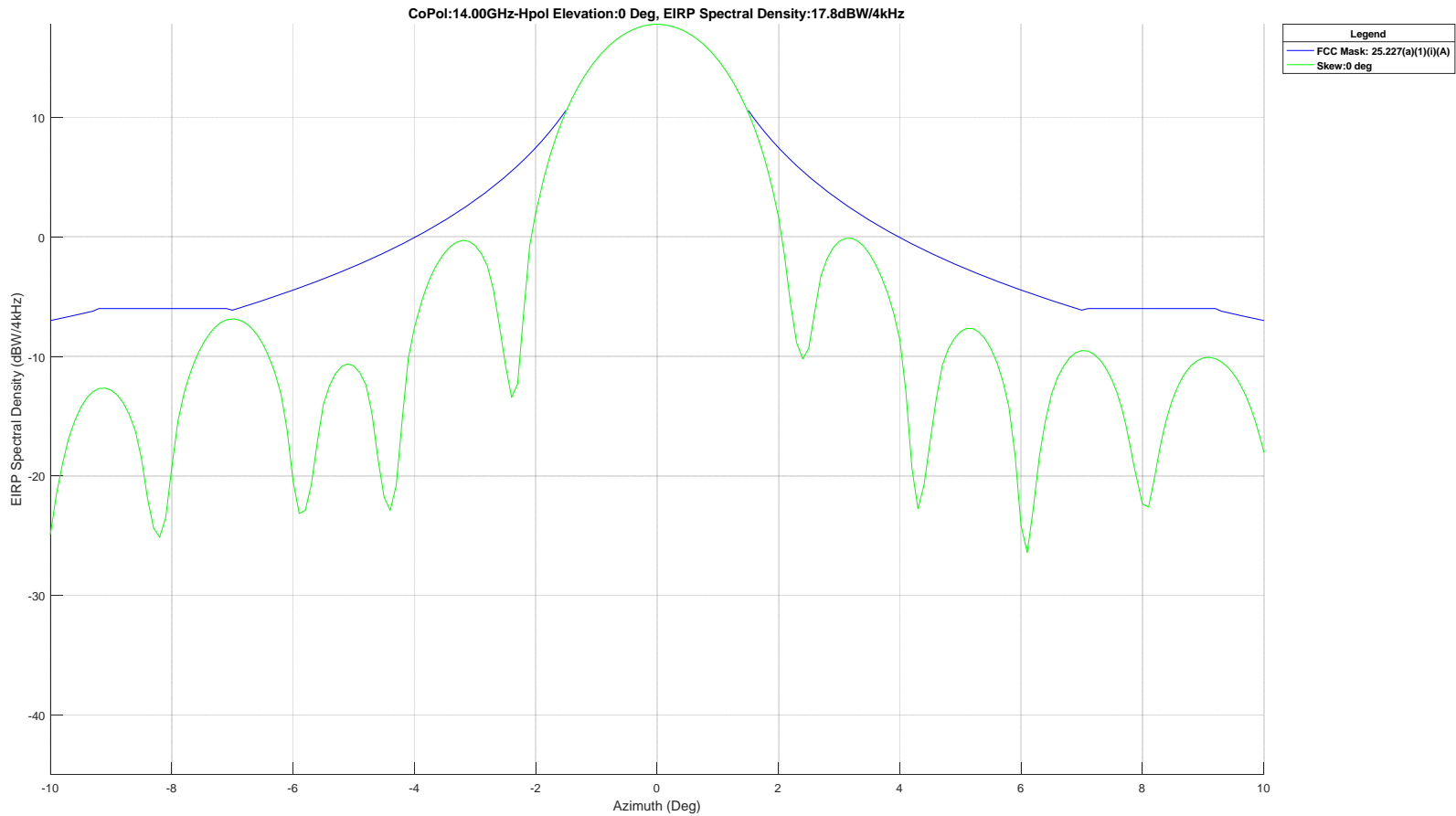
Tangent Plane to GSO Co Pol ESD Plots as they comply to FCC mask 25.227(a)(1)(i)(A)

| GSA MAXIMUM EIRP SPECTRAL DENSITY (dBW/4kHz) | | | | | | | | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Elevation(deg)\Skew(deg) | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 |
| 0 | 18.3 | 18.3 | 18.2 | 18 | 17.7 | 17.3 | 16.8 | 16.2 | 15.7 | 15 | 14.3 | 13.4 | 12.3 | 11.2 | 9.9 | 8.6 | 7.3 | 6.2 | 5.5 |
| 5 | 18.3 | 18.3 | 18.2 | 18 | 17.7 | 17.3 | 16.8 | 16.2 | 15.7 | 15 | 14.3 | 13.4 | 12.3 | 11.2 | 9.9 | 8.6 | 7.3 | 6.2 | 5.5 |
| 10 | 18.3 | 18.3 | 18.2 | 18 | 17.7 | 17.3 | 16.8 | 16.2 | 15.7 | 15 | 14.3 | 13.4 | 12.3 | 11.2 | 9.9 | 8.6 | 7.3 | 6.2 | 5.5 |
| 15 | 18.3 | 18.3 | 18.2 | 18.1 | 17.8 | 17.5 | 17 | 16.5 | 16 | 15.4 | 14.7 | 13.8 | 12.8 | 11.8 | 10.6 | 9.3 | 7.9 | 6.7 | 5.7 |
| 20 | 18.3 | 18.3 | 18.2 | 18.1 | 17.8 | 17.5 | 17 | 16.5 | 16 | 15.4 | 14.7 | 13.8 | 12.8 | 11.8 | 10.6 | 9.3 | 7.9 | 6.7 | 5.7 |
| 25 | 18.3 | 18.3 | 18.3 | 18.2 | 18 | 17.7 | 17.3 | 16.8 | 16.2 | 15.7 | 15 | 14.3 | 13.4 | 12.3 | 11.2 | 9.9 | 8.6 | 7.3 | 6.2 |
| 30 | 18.3 | 18.3 | 18.3 | 18.2 | 18 | 17.7 | 17.3 | 16.8 | 16.2 | 15.7 | 15 | 14.3 | 13.4 | 12.3 | 11.2 | 9.9 | 8.6 | 7.3 | 6.2 |
| 35 | 18.3 | 18.3 | 18.3 | 18.2 | 18.1 | 17.8 | 17.5 | 17 | 16.5 | 16 | 15.4 | 14.7 | 13.8 | 12.8 | 11.8 | 10.6 | 9.3 | 7.9 | 6.7 |
| 40 | 18.3 | 18.3 | 18.3 | 18.2 | 18.1 | 17.8 | 17.5 | 17 | 16.5 | 16 | 15.4 | 14.7 | 13.8 | 12.8 | 11.8 | 10.6 | 9.3 | 7.9 | 6.7 |
| 45 | 18.3 | 18.3 | 18.3 | 18.3 | 18.2 | 18 | 17.7 | 17.3 | 16.8 | 16.2 | 15.7 | 15 | 14.3 | 13.4 | 12.3 | 11.2 | 9.9 | 8.6 | 7.3 |
| 50 | 18.3 | 18.3 | 18.3 | 18.3 | 18.2 | 18.1 | 17.8 | 17.5 | 17 | 16.5 | 16 | 15.4 | 14.7 | 13.8 | 12.8 | 11.8 | 10.6 | 9.3 | 7.9 |
| 55 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.2 | 18 | 17.7 | 17.3 | 16.8 | 16.2 | 15.7 | 15 | 14.3 | 13.4 | 12.3 | 11.2 | 9.9 | 8.6 |
| 60 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.2 | 18.1 | 17.8 | 17.5 | 17 | 16.5 | 16 | 15.4 | 14.7 | 13.8 | 12.8 | 11.8 | 10.6 | 9.3 |
| 65 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.2 | 18 | 17.7 | 17.3 | 16.8 | 16.2 | 15.7 | 15 | 14.3 | 13.4 | 12.3 | 11.2 |
| 70 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.2 | 18.1 | 17.8 | 17.5 | 17.3 | 16.5 | 16 | 15.7 | 14.7 | 13.8 | 12.8 |
| 75 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.2 | 18 | 17.7 | 17.3 | 16.8 | 16.2 | 15.7 |
| 80 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 |
| 85 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 |
| 90 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 |

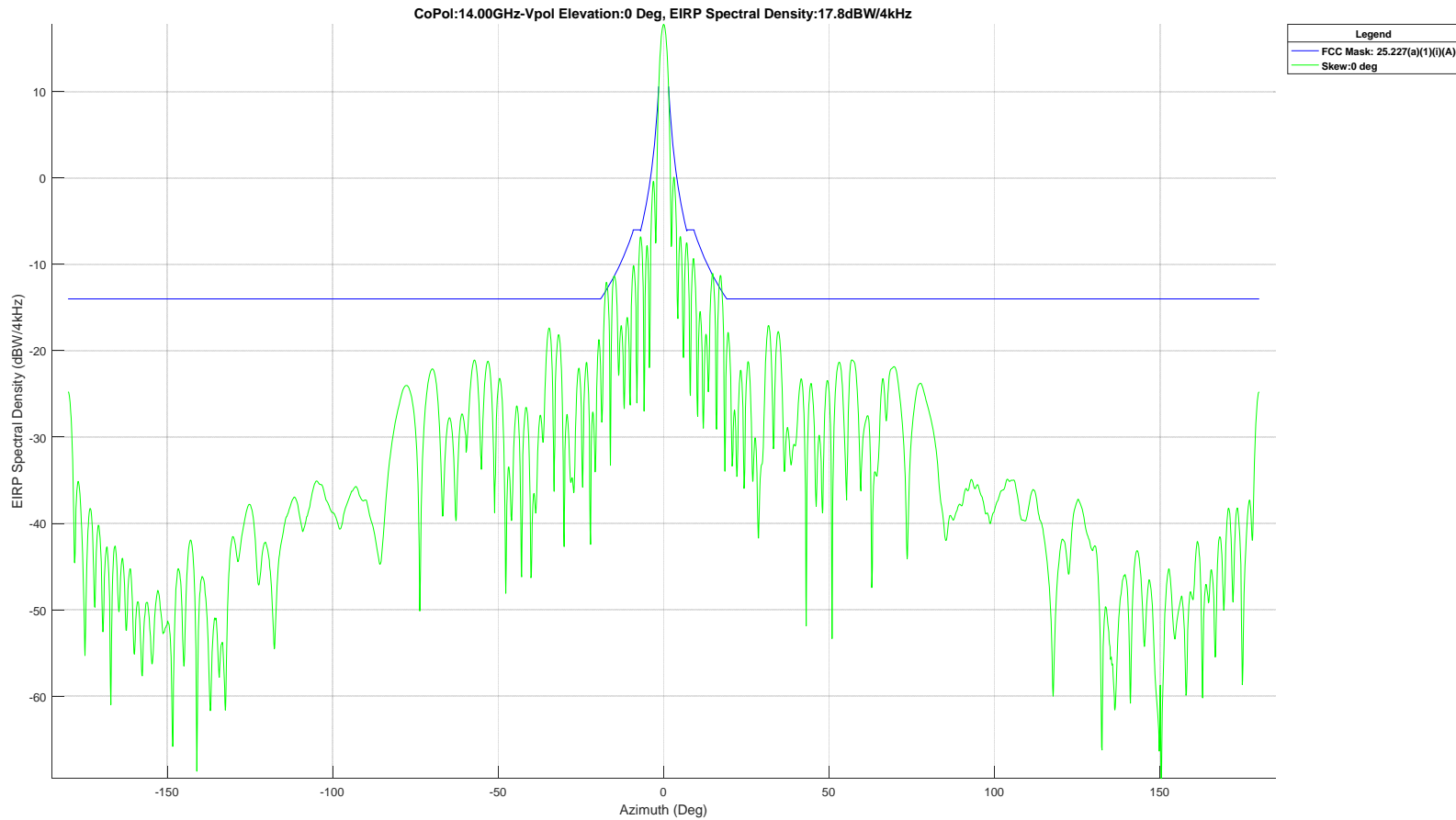
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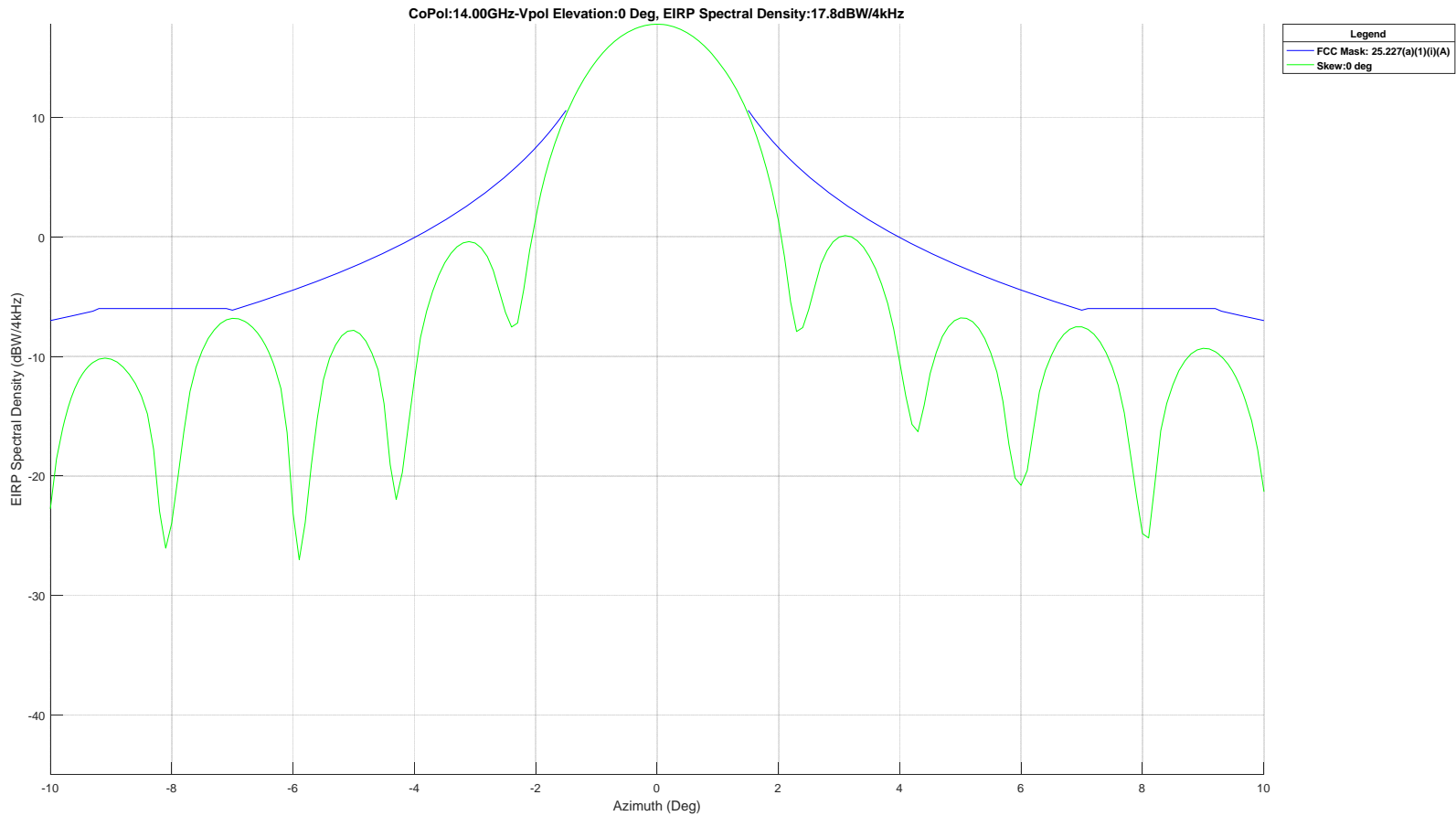
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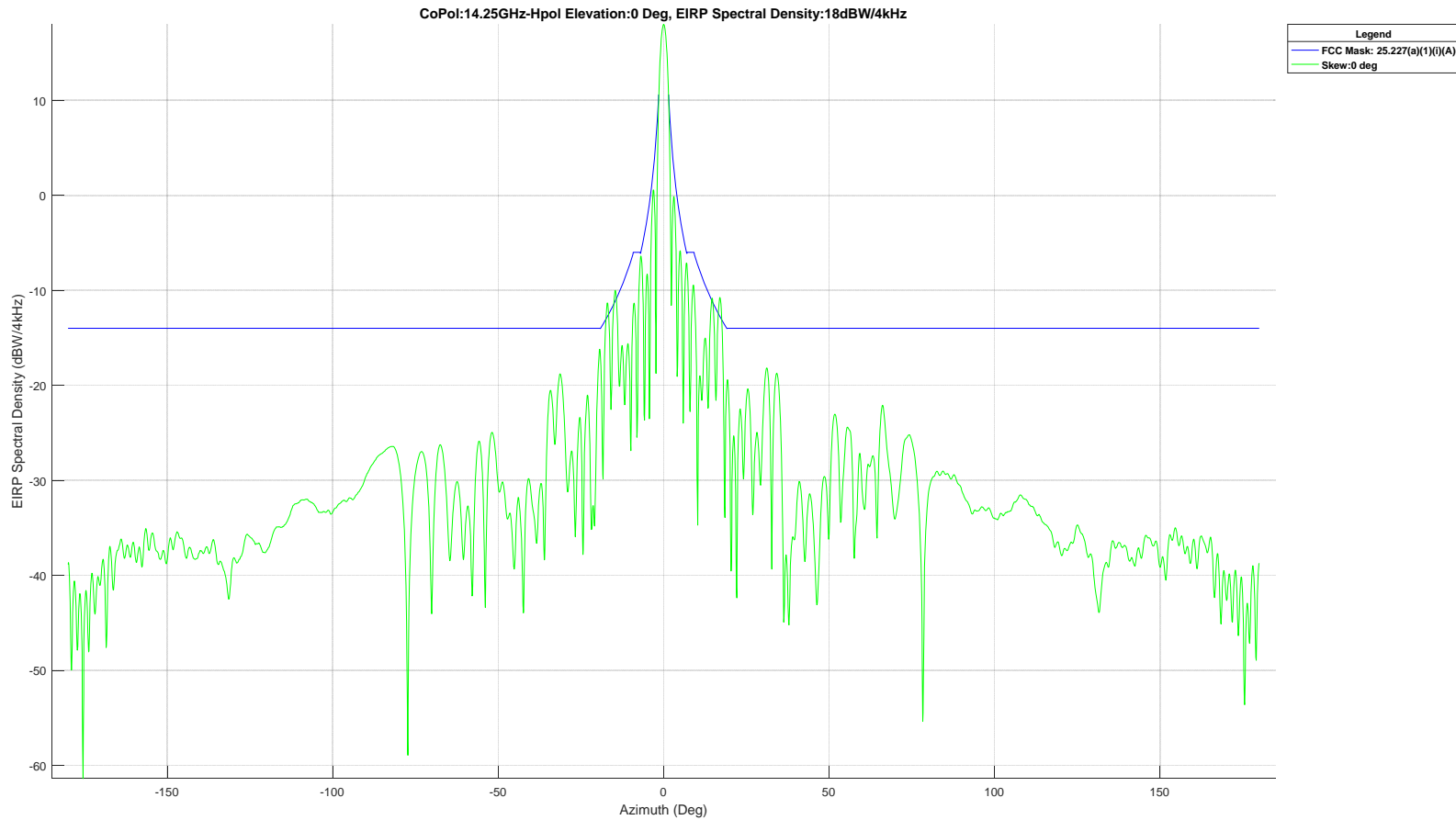
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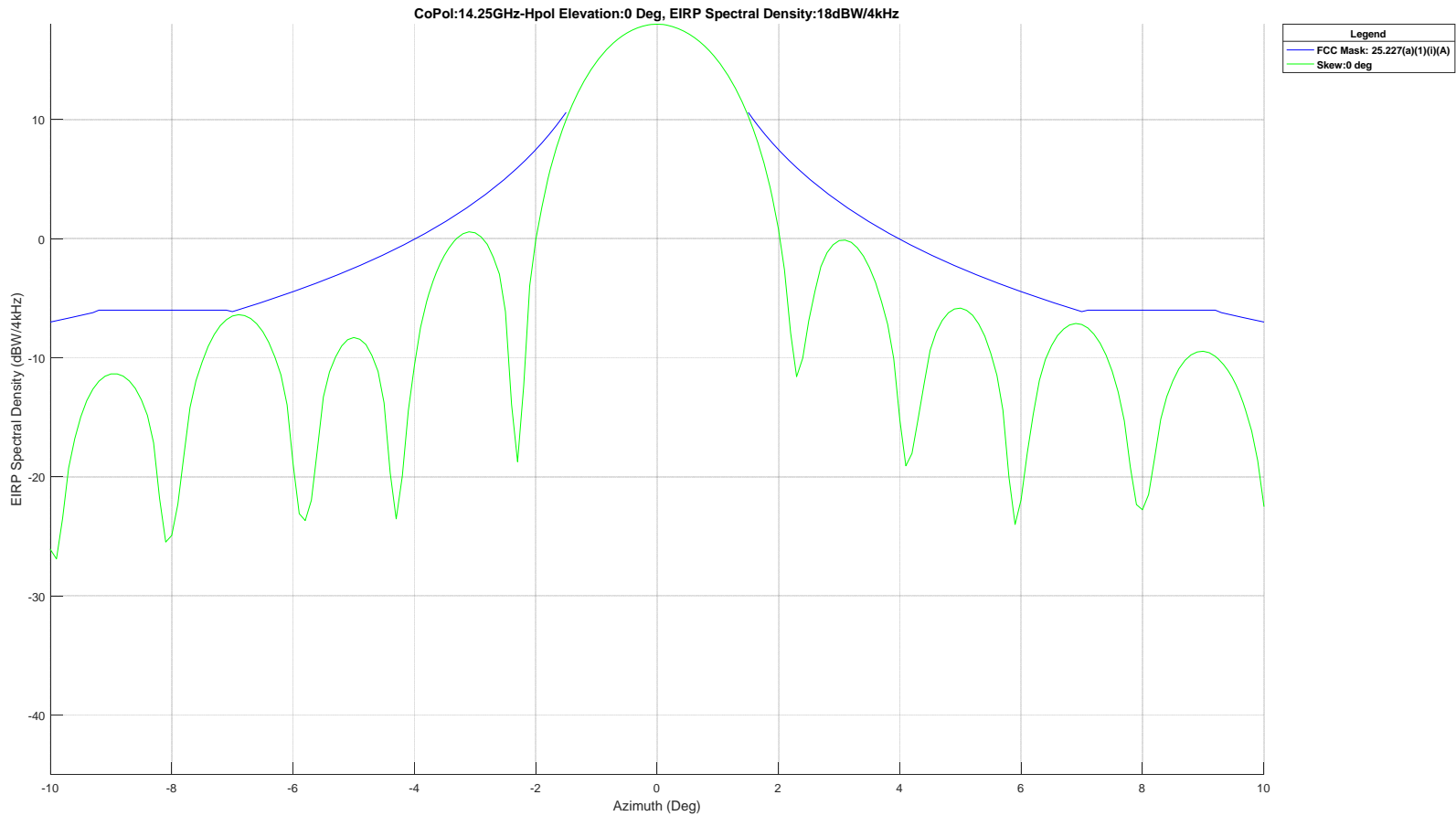
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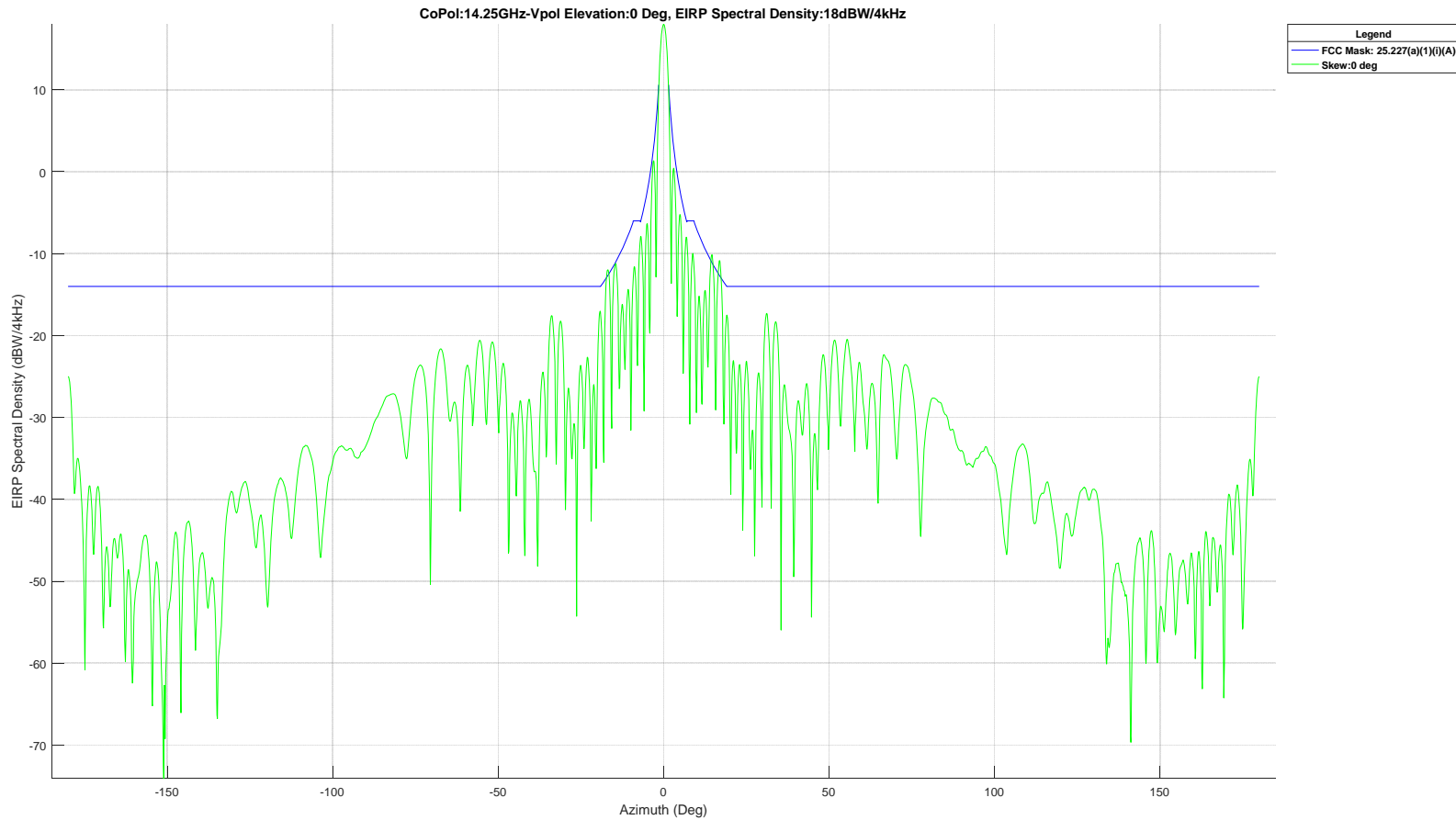
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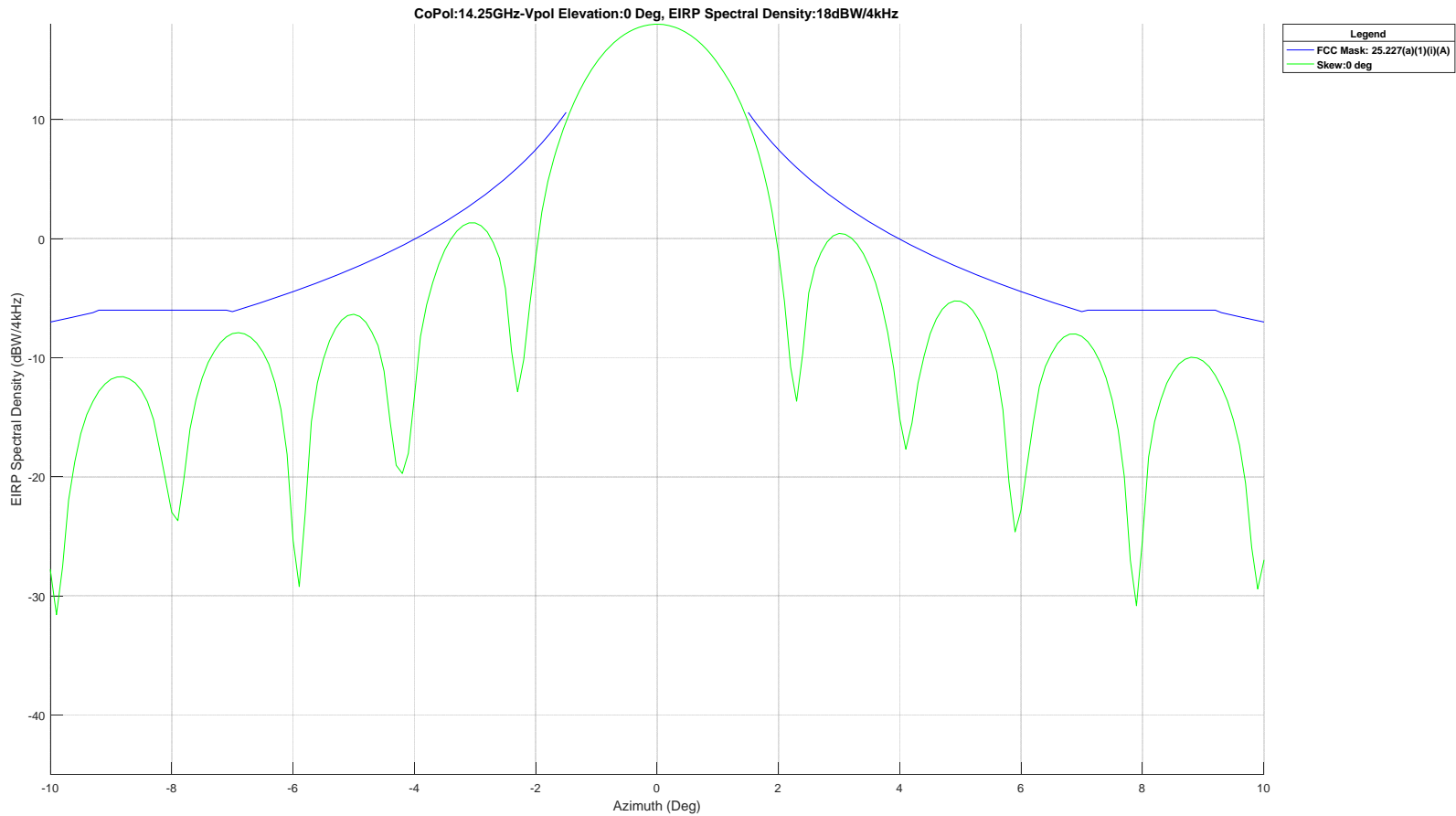
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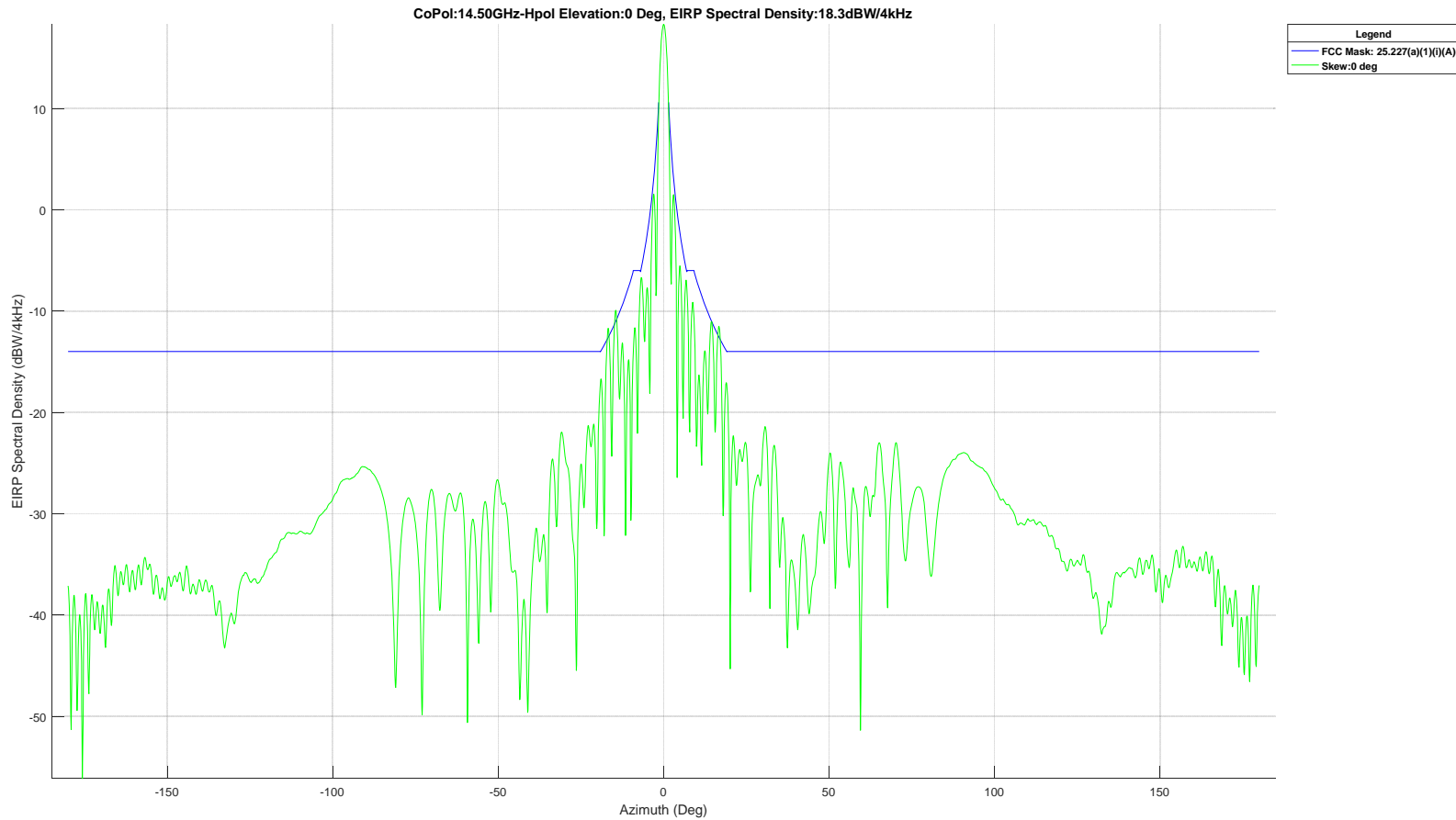
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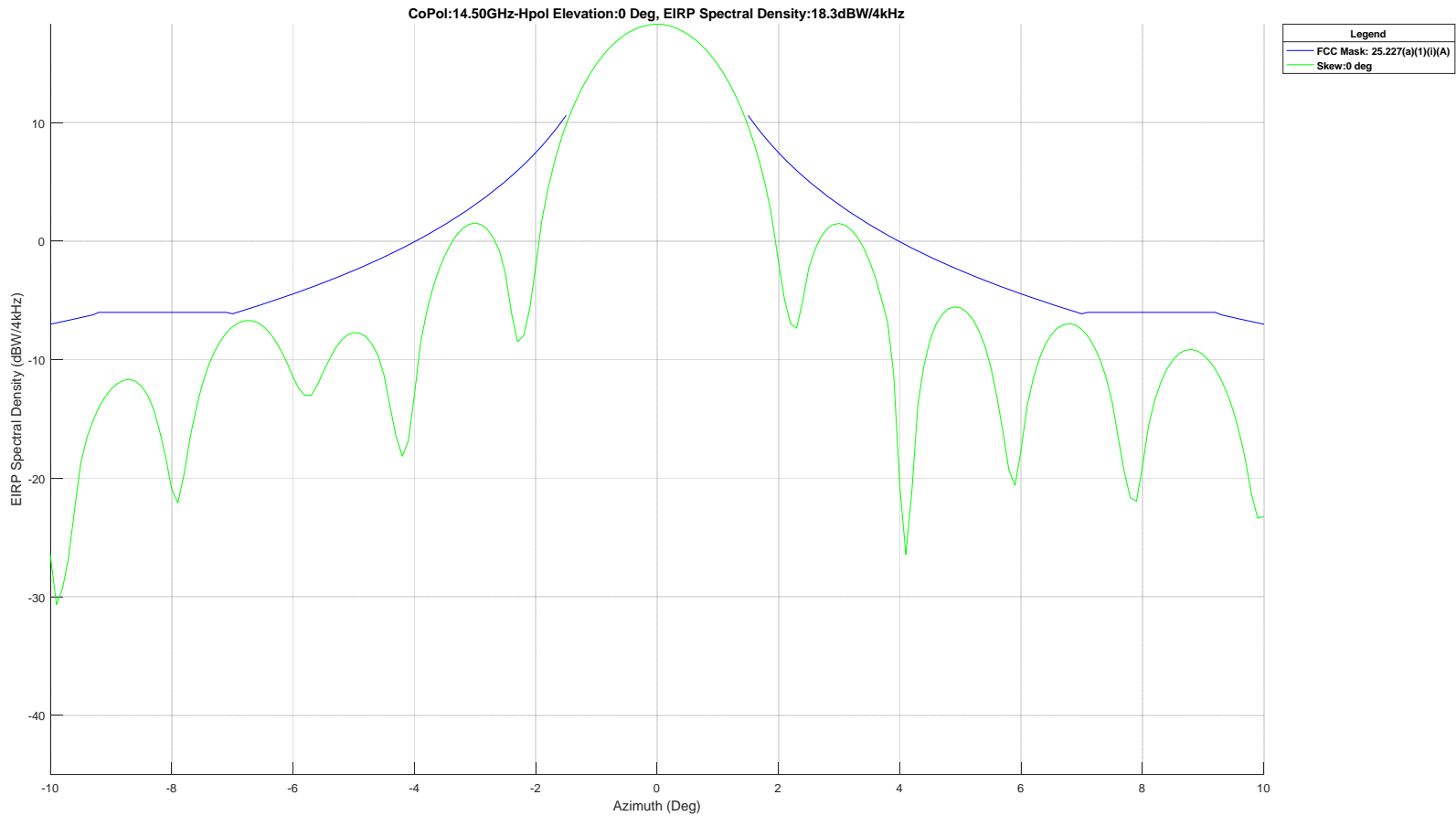
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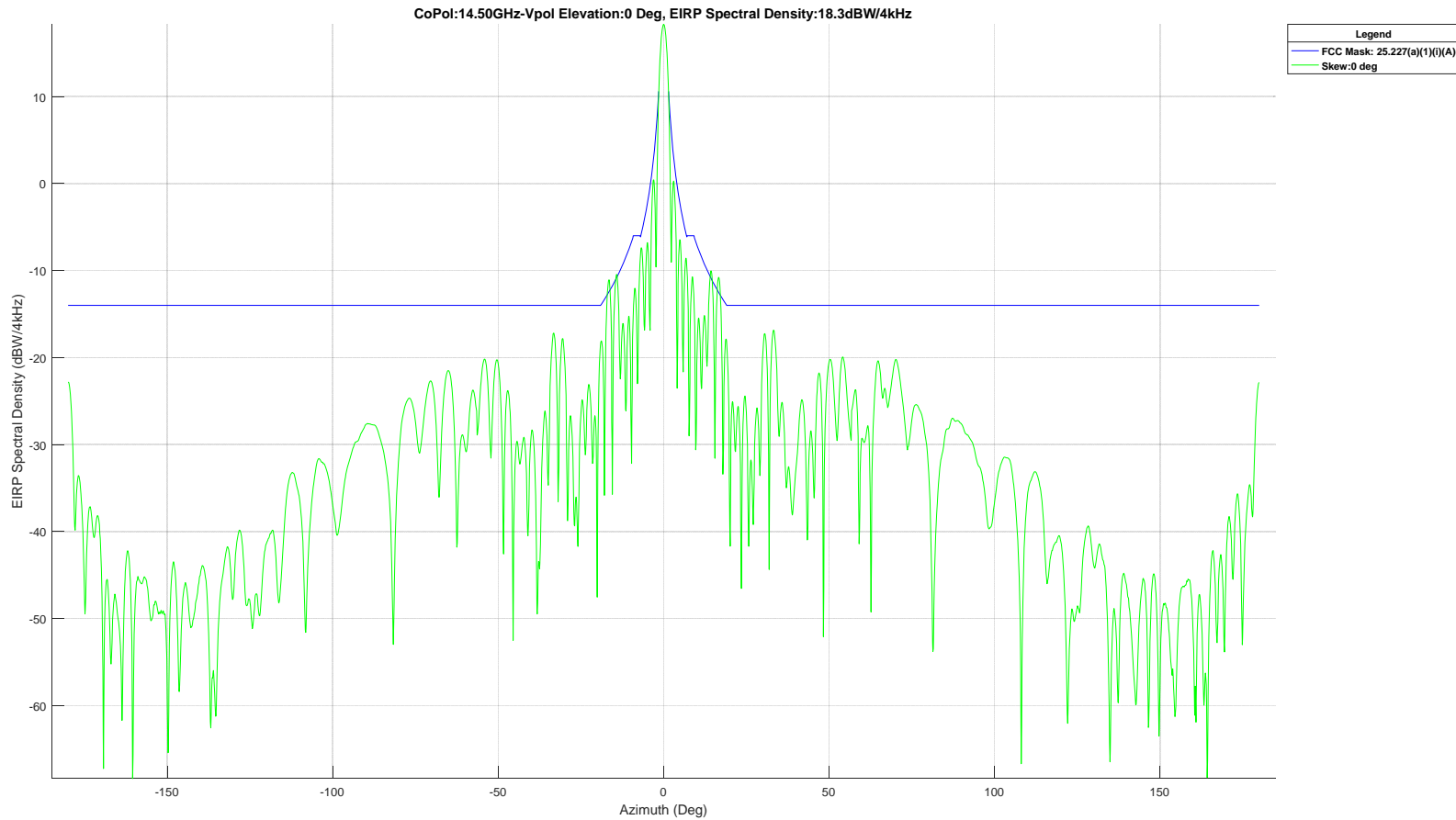
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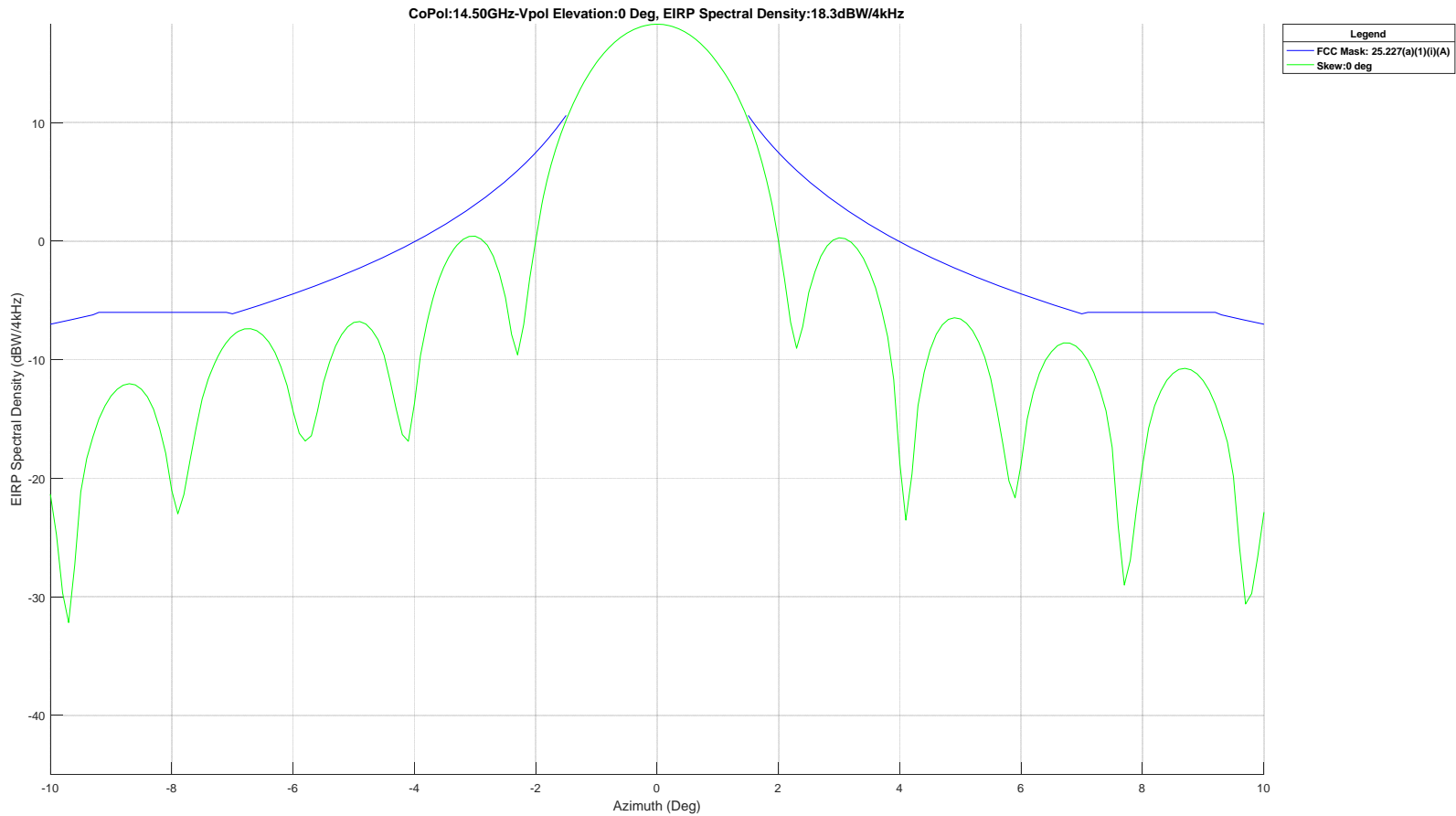
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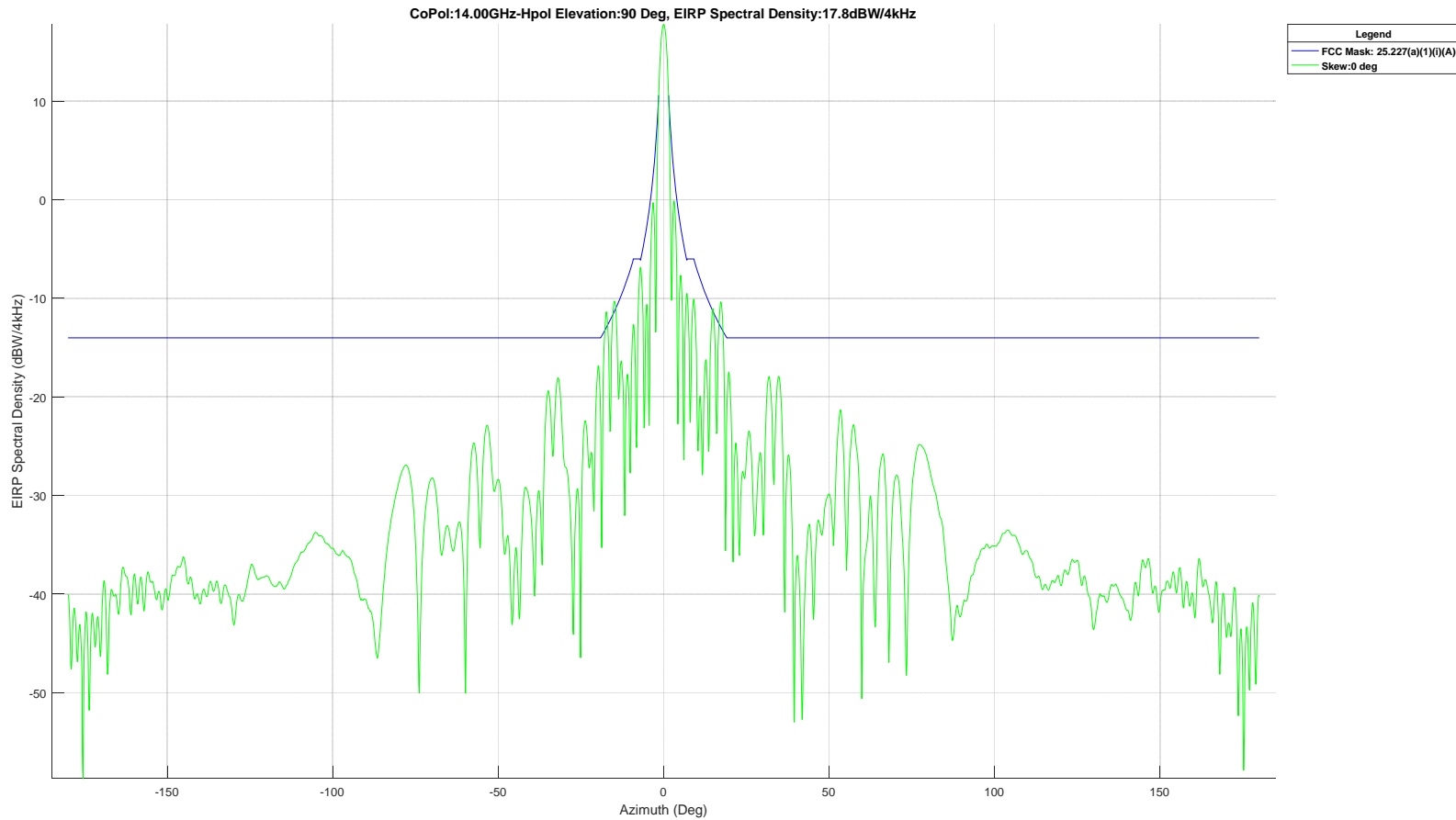
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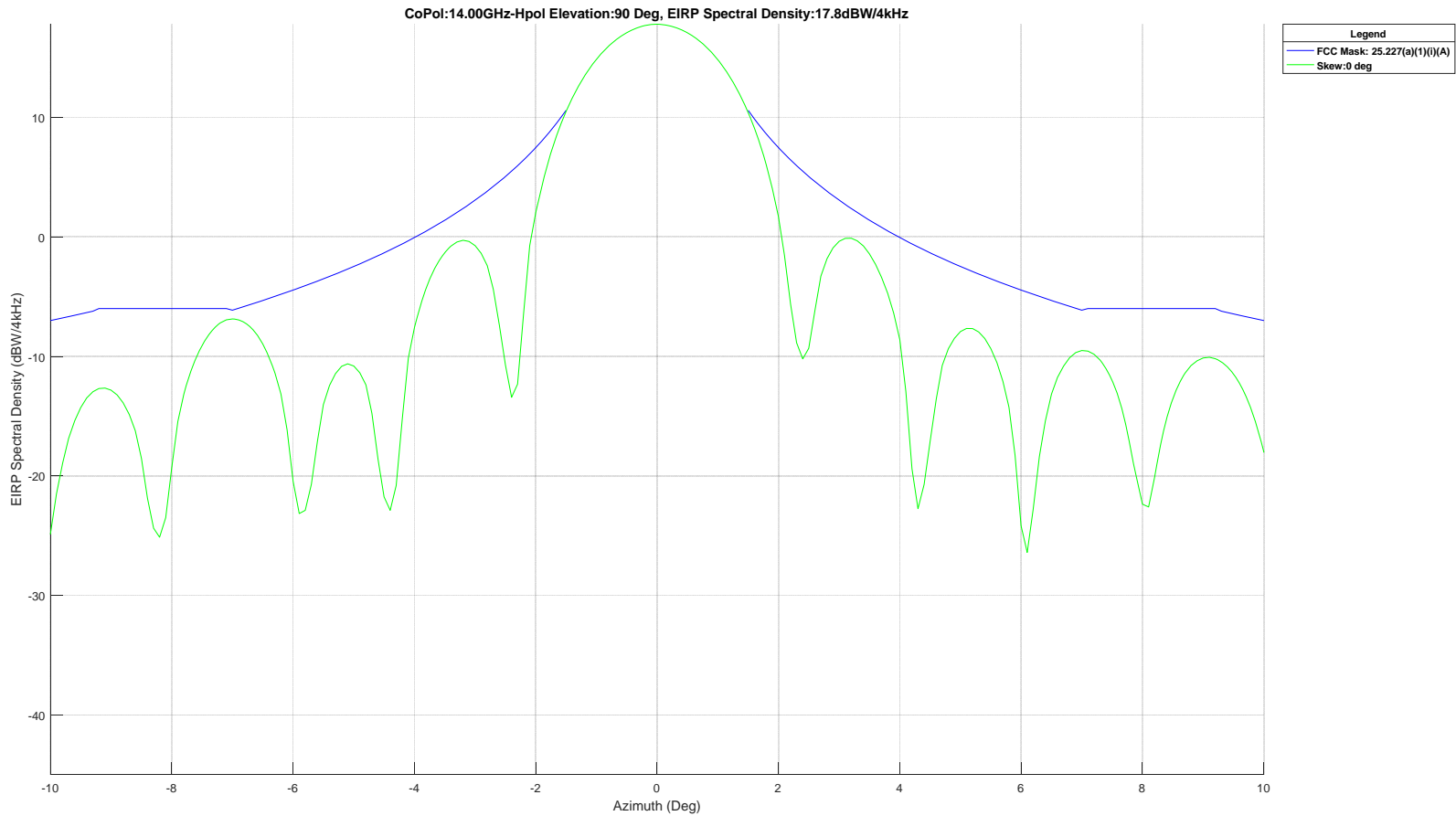
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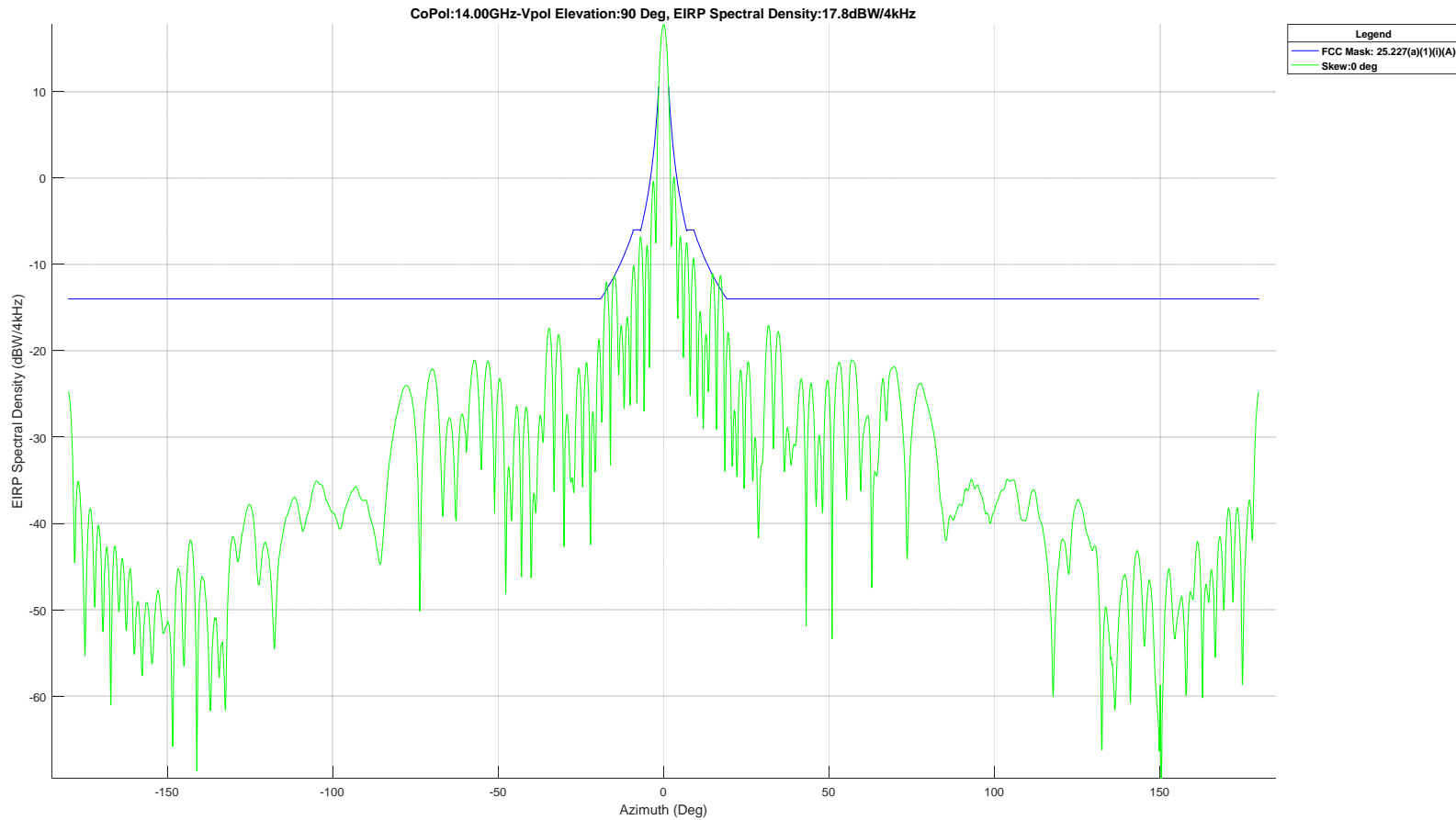
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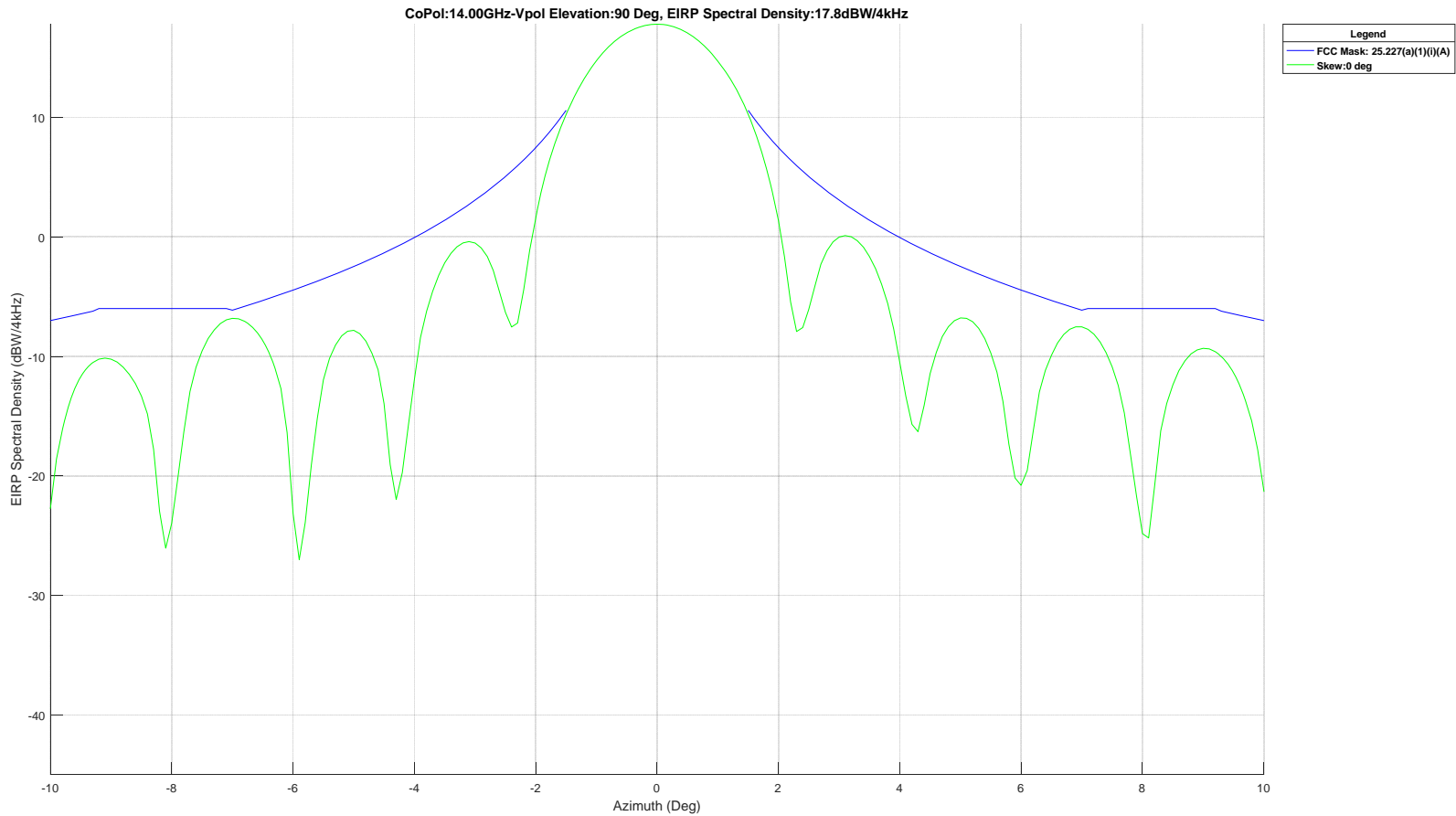
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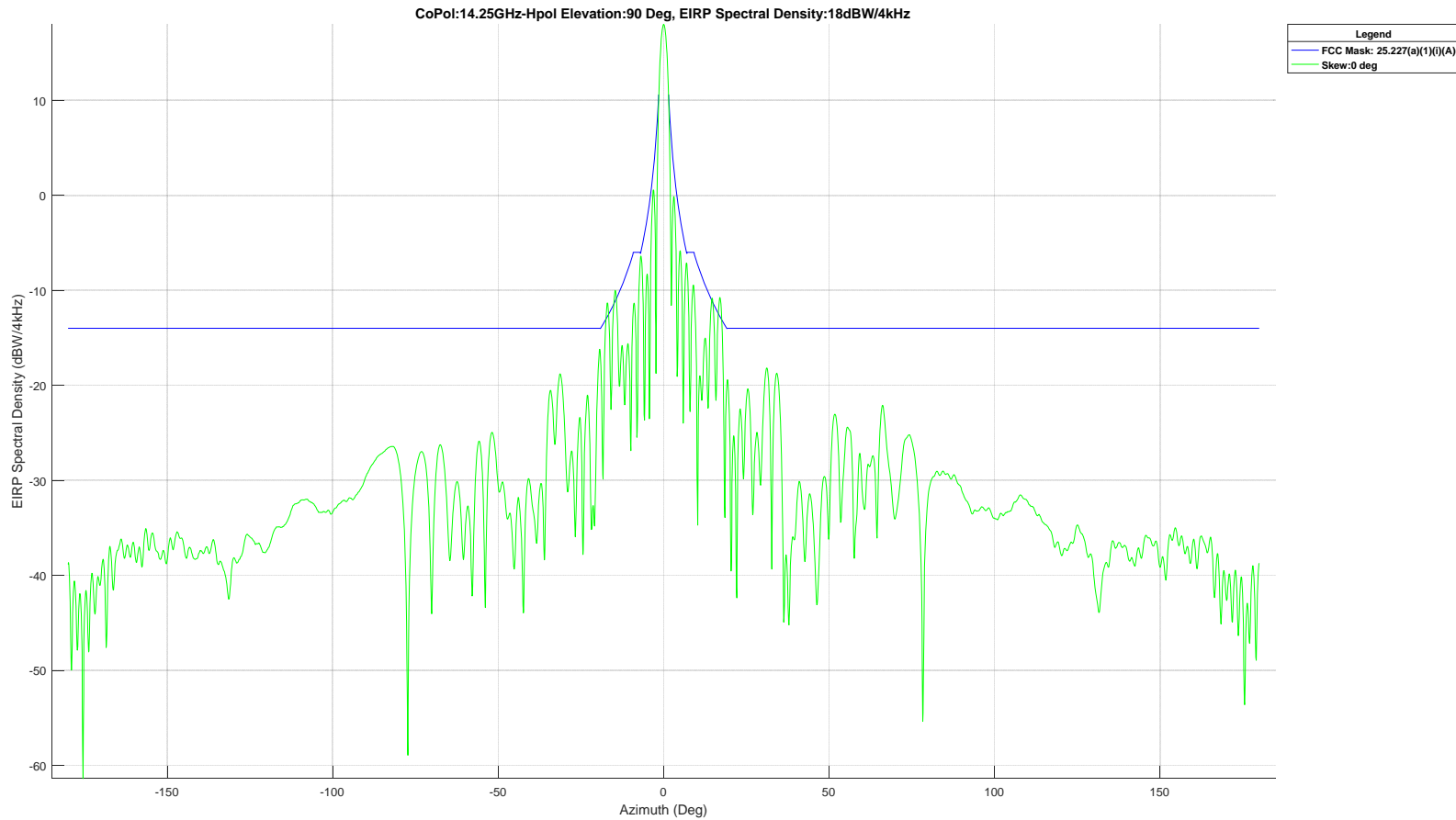
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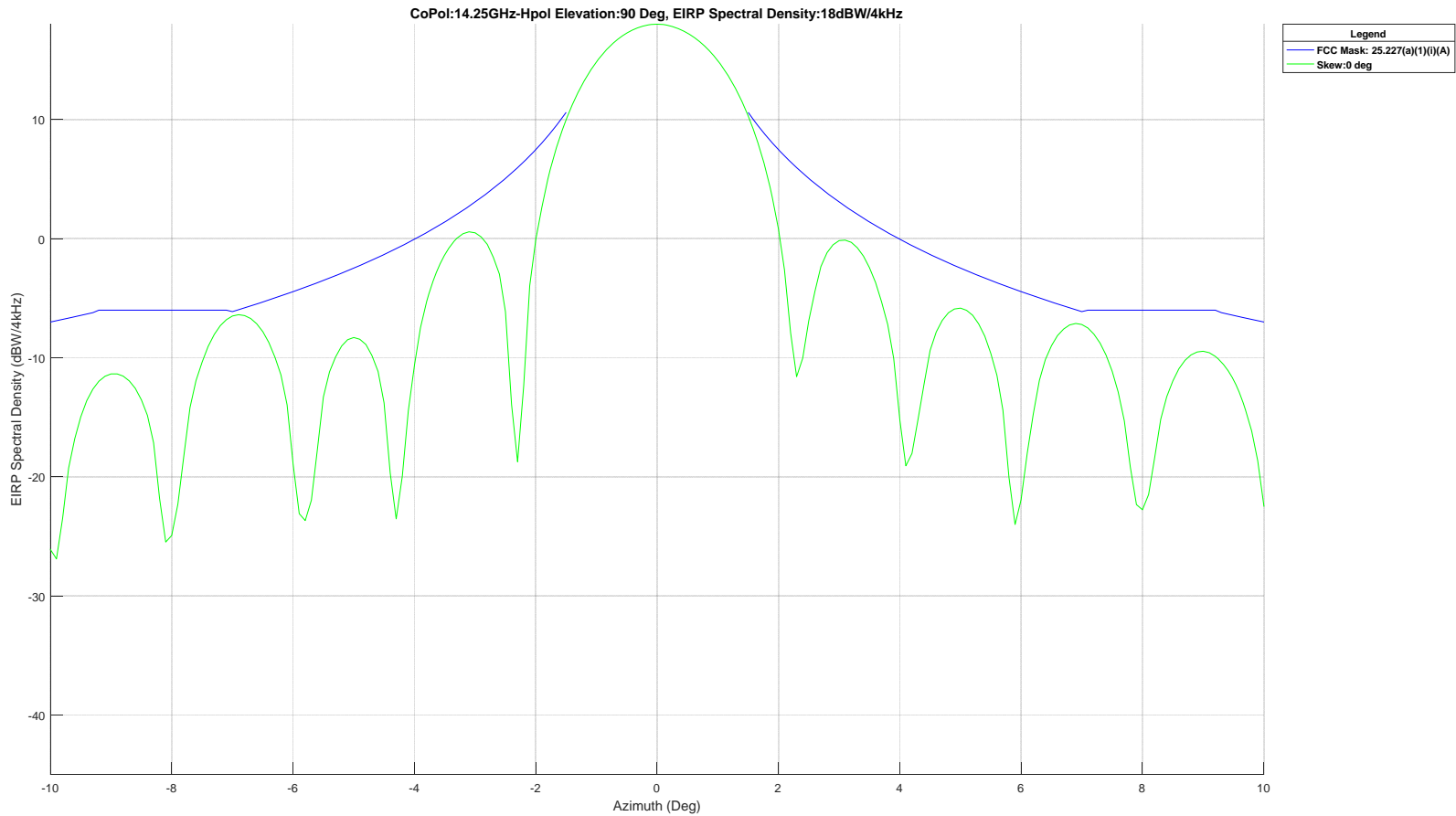
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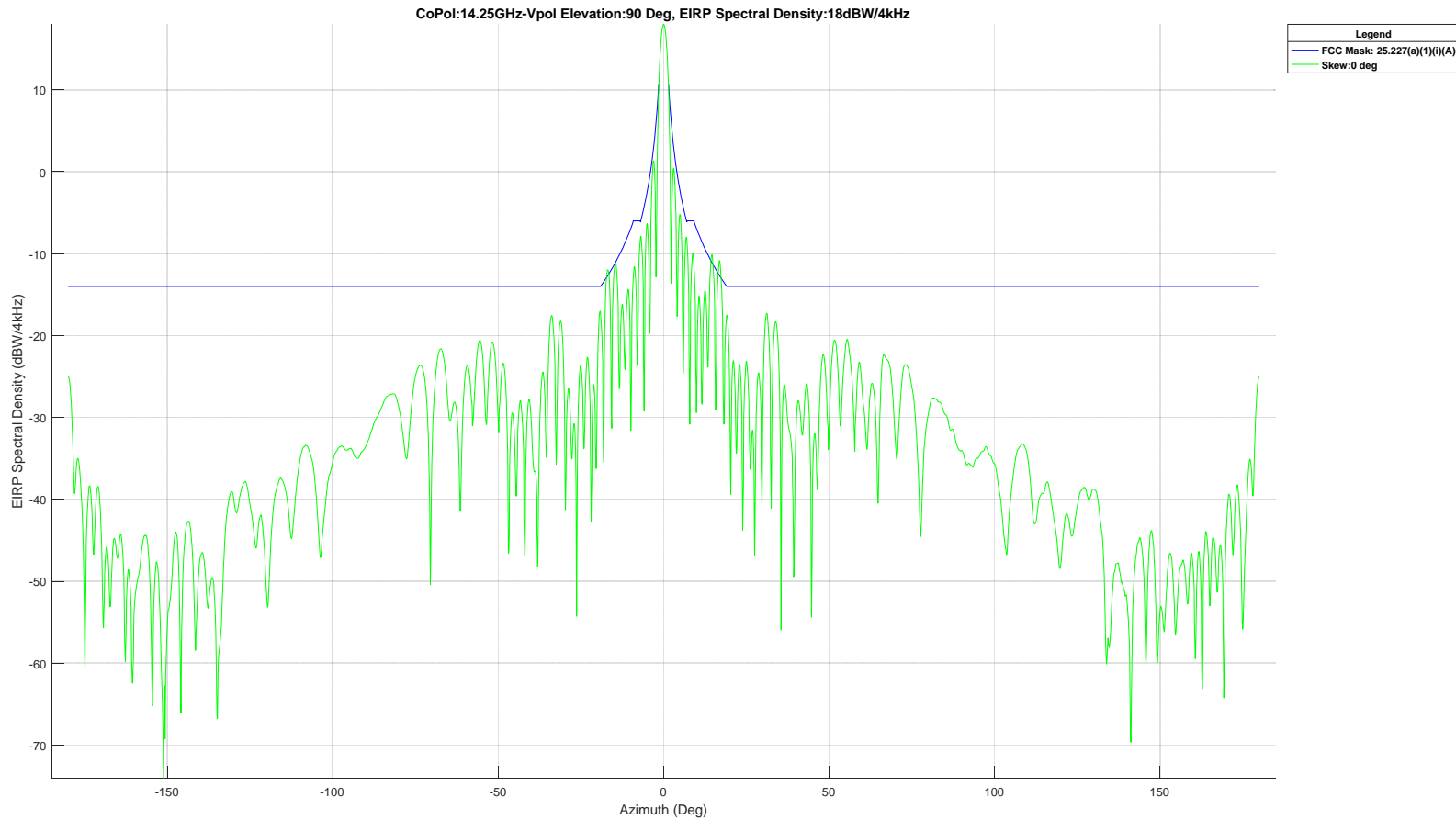
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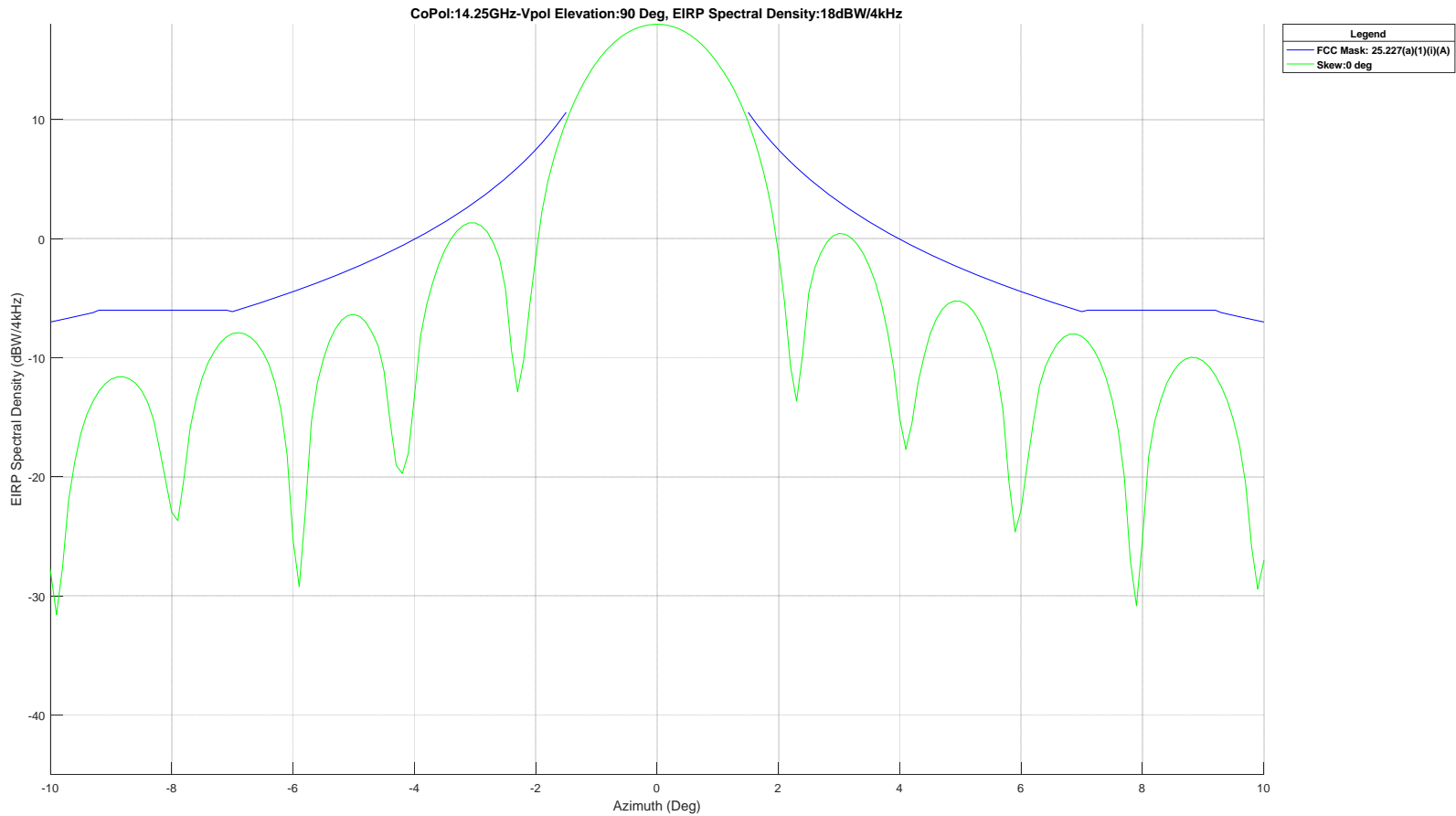
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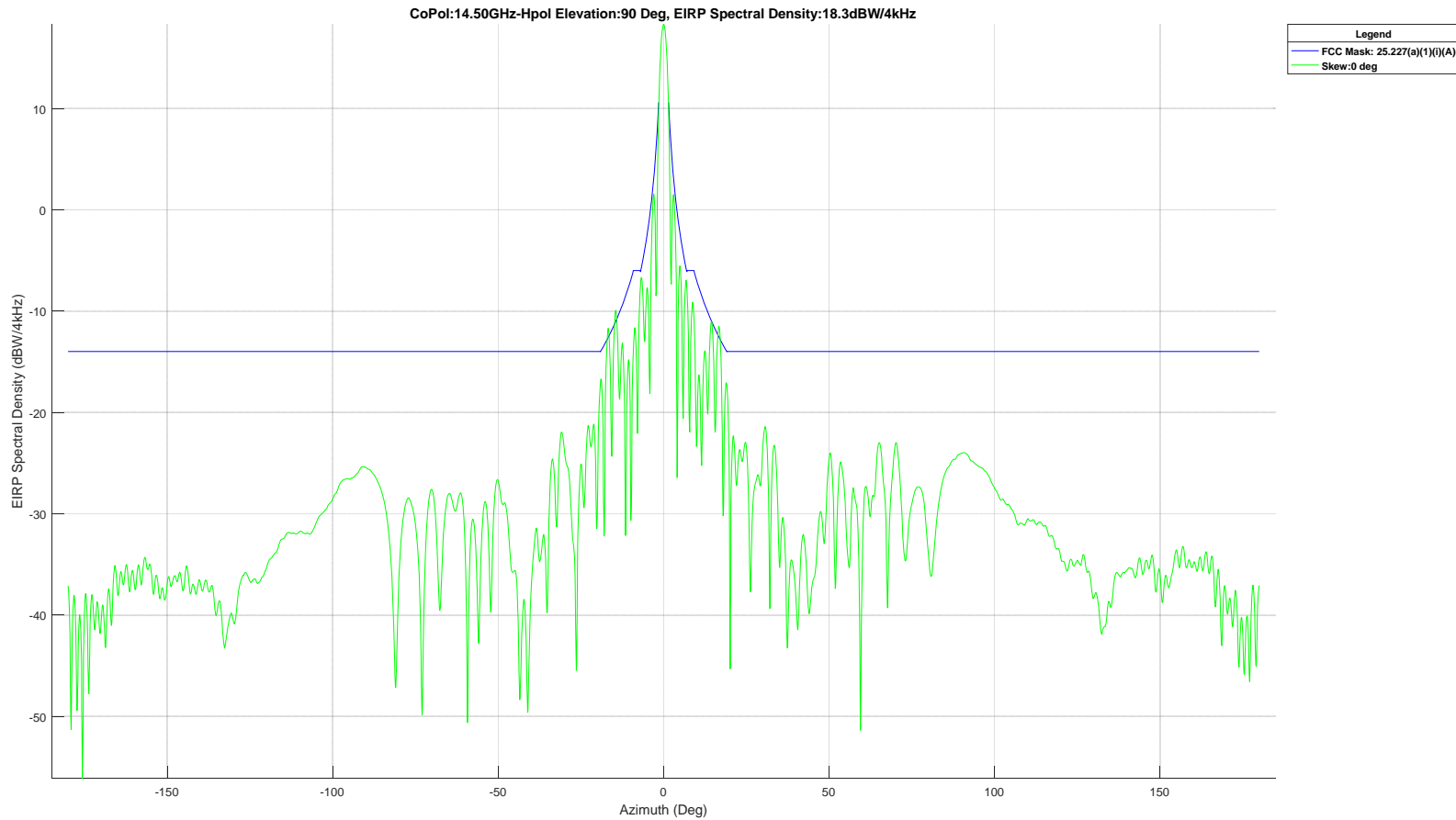
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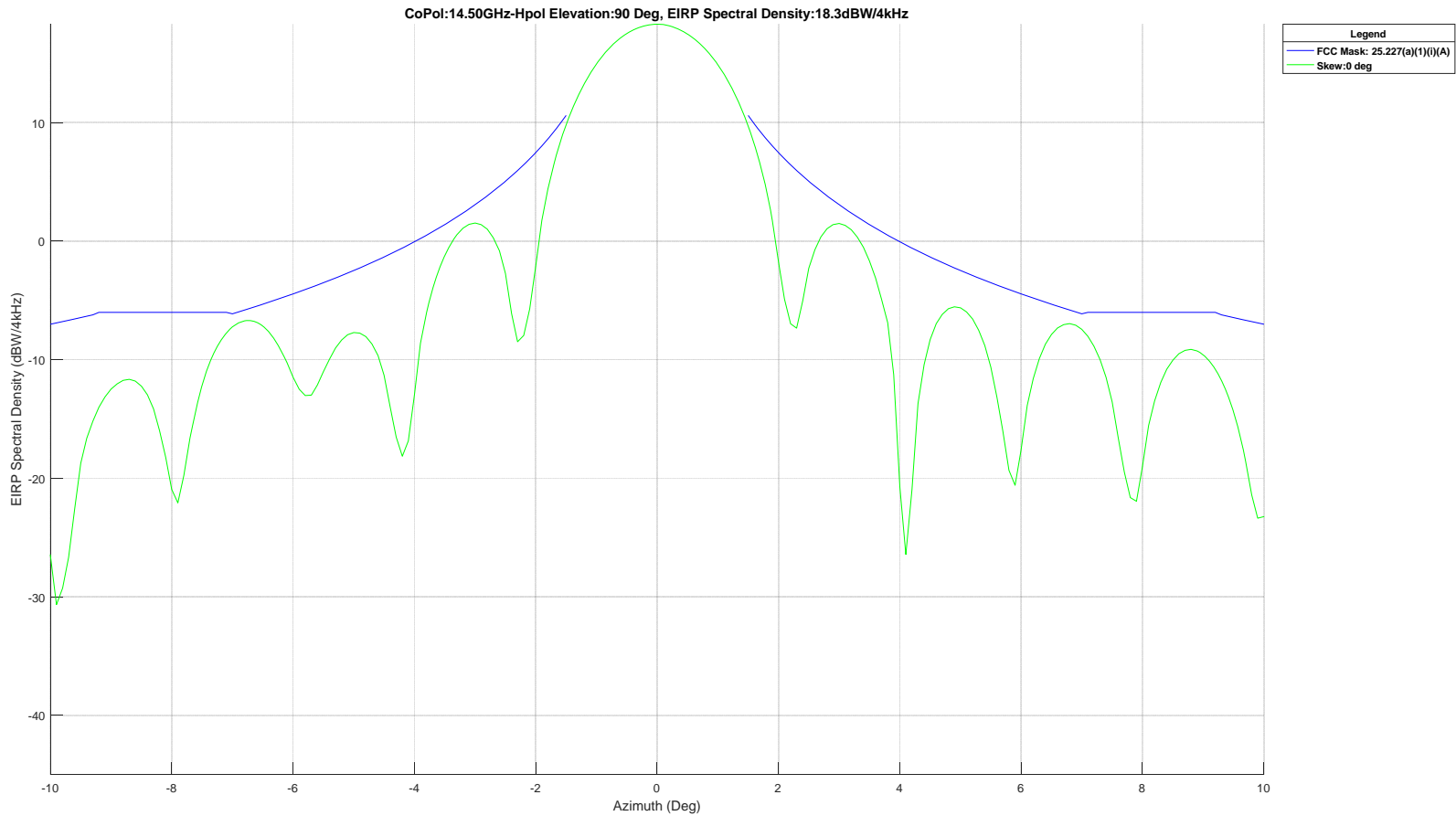
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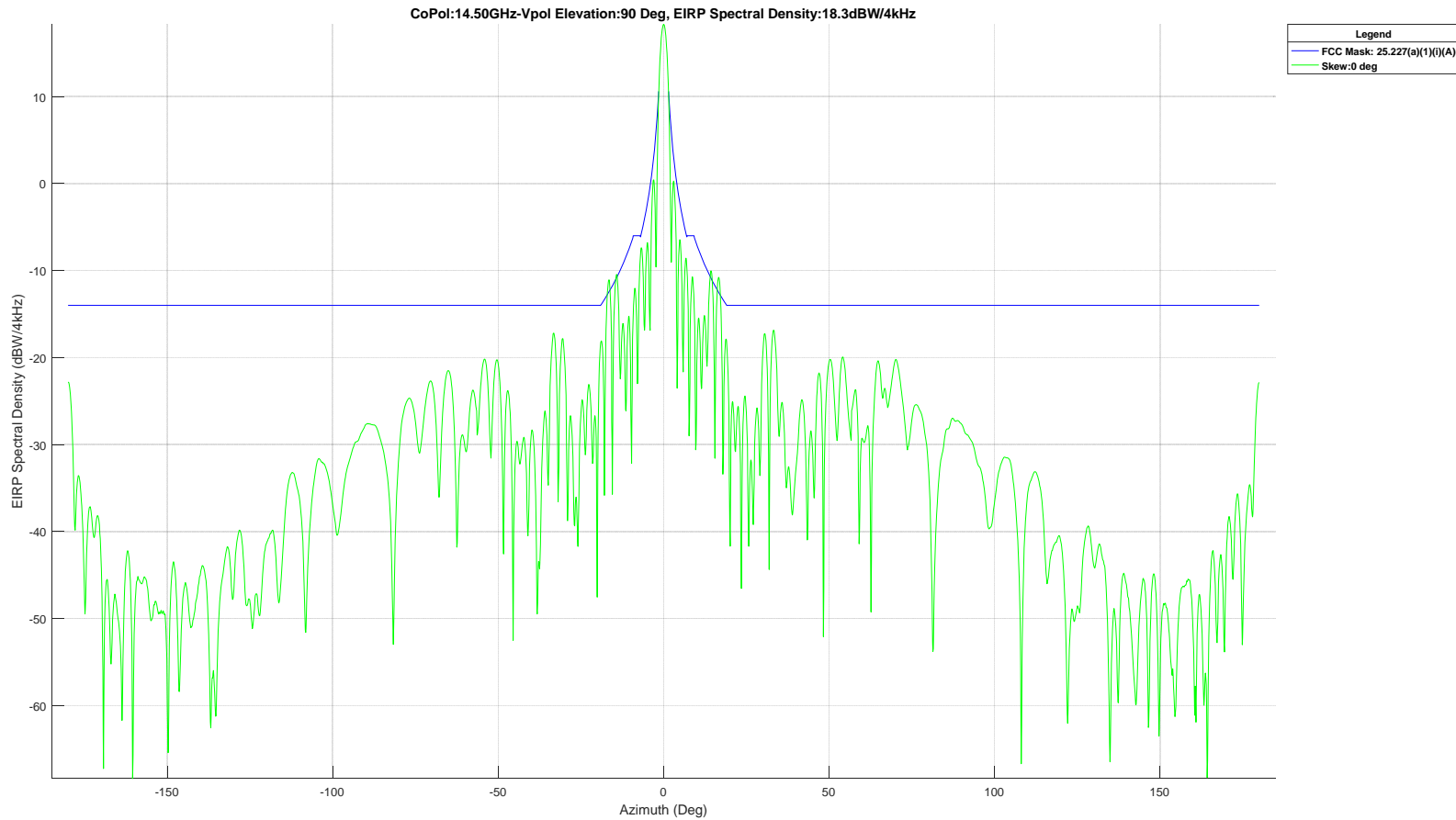
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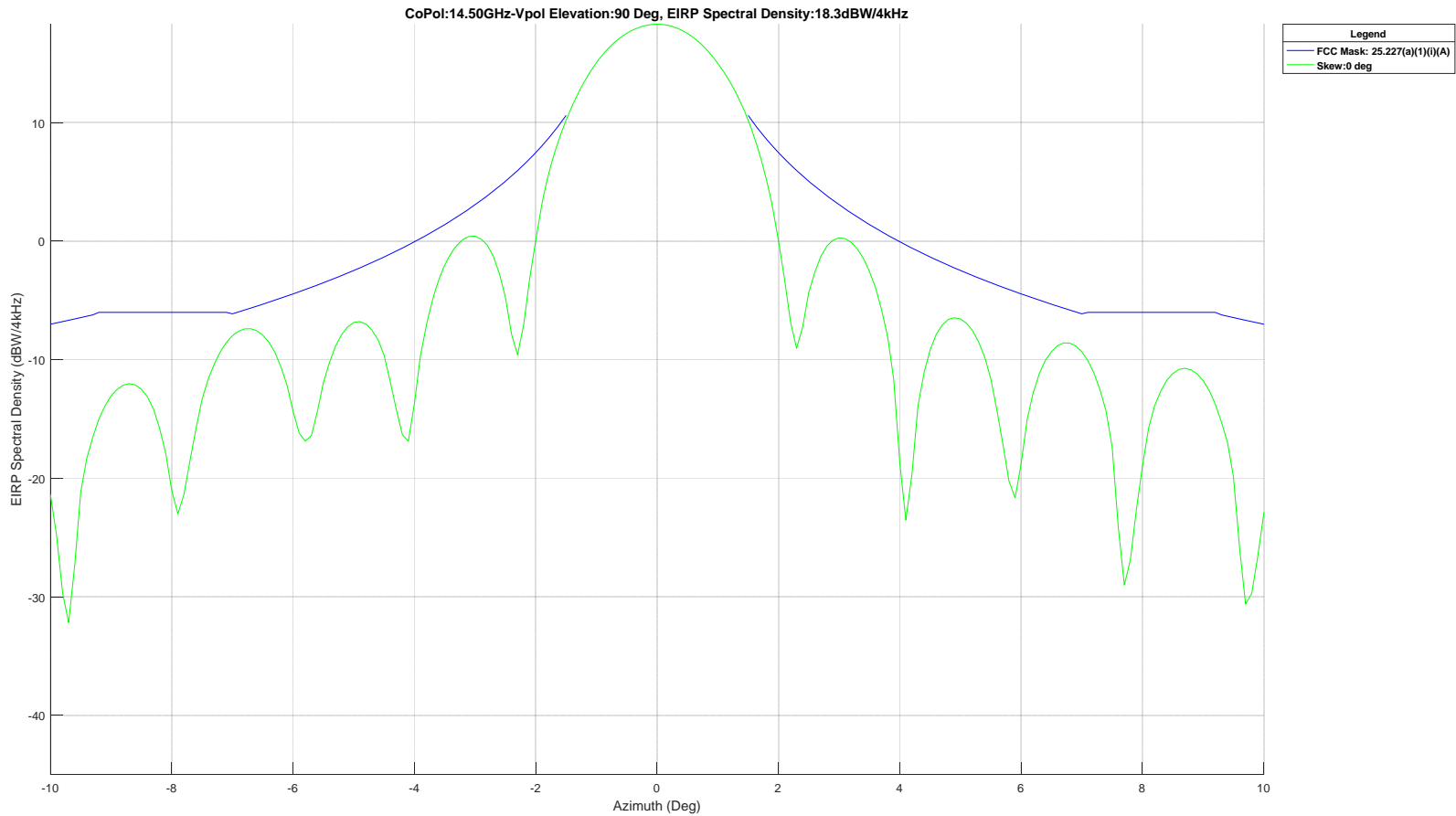
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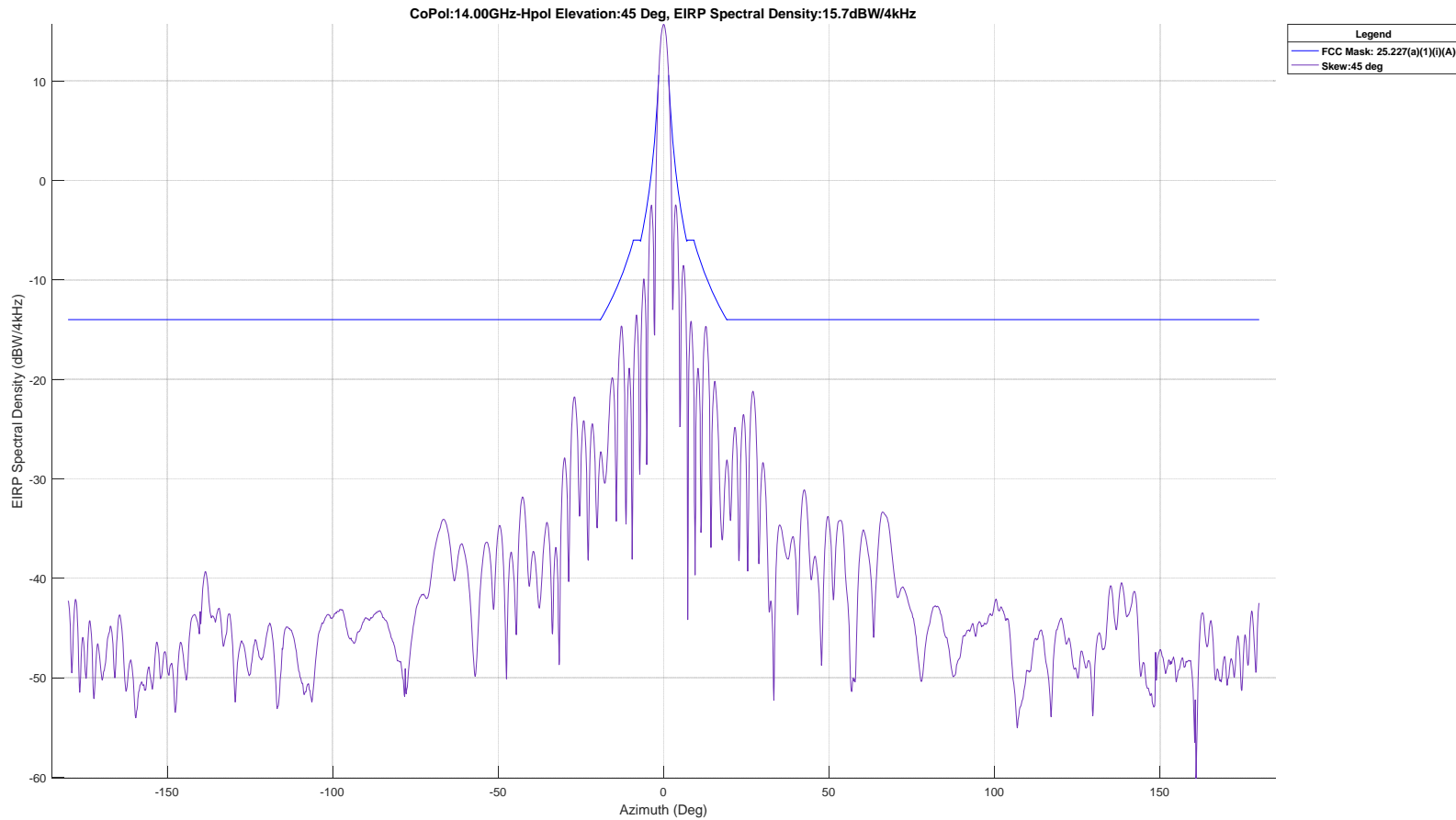
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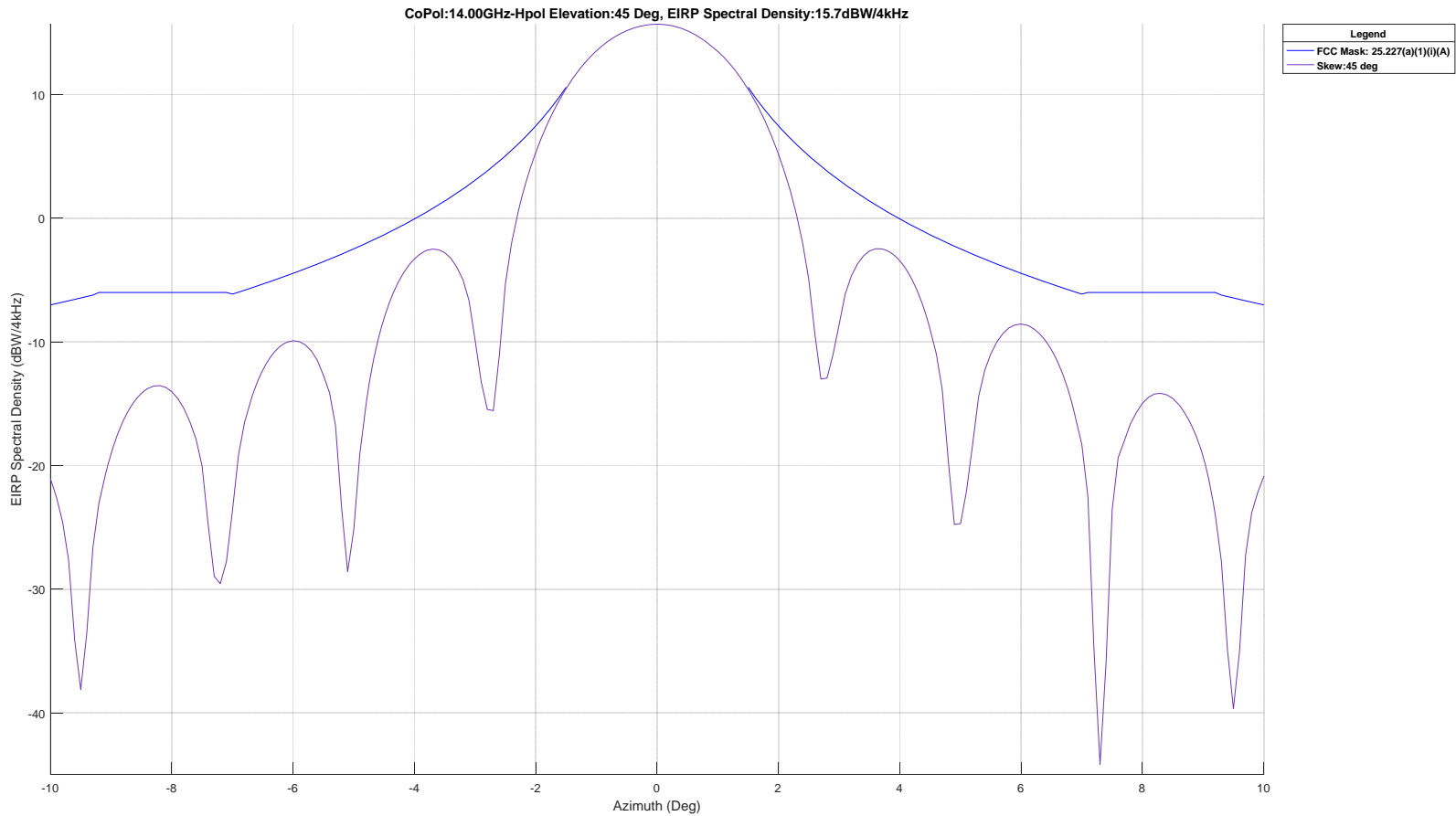
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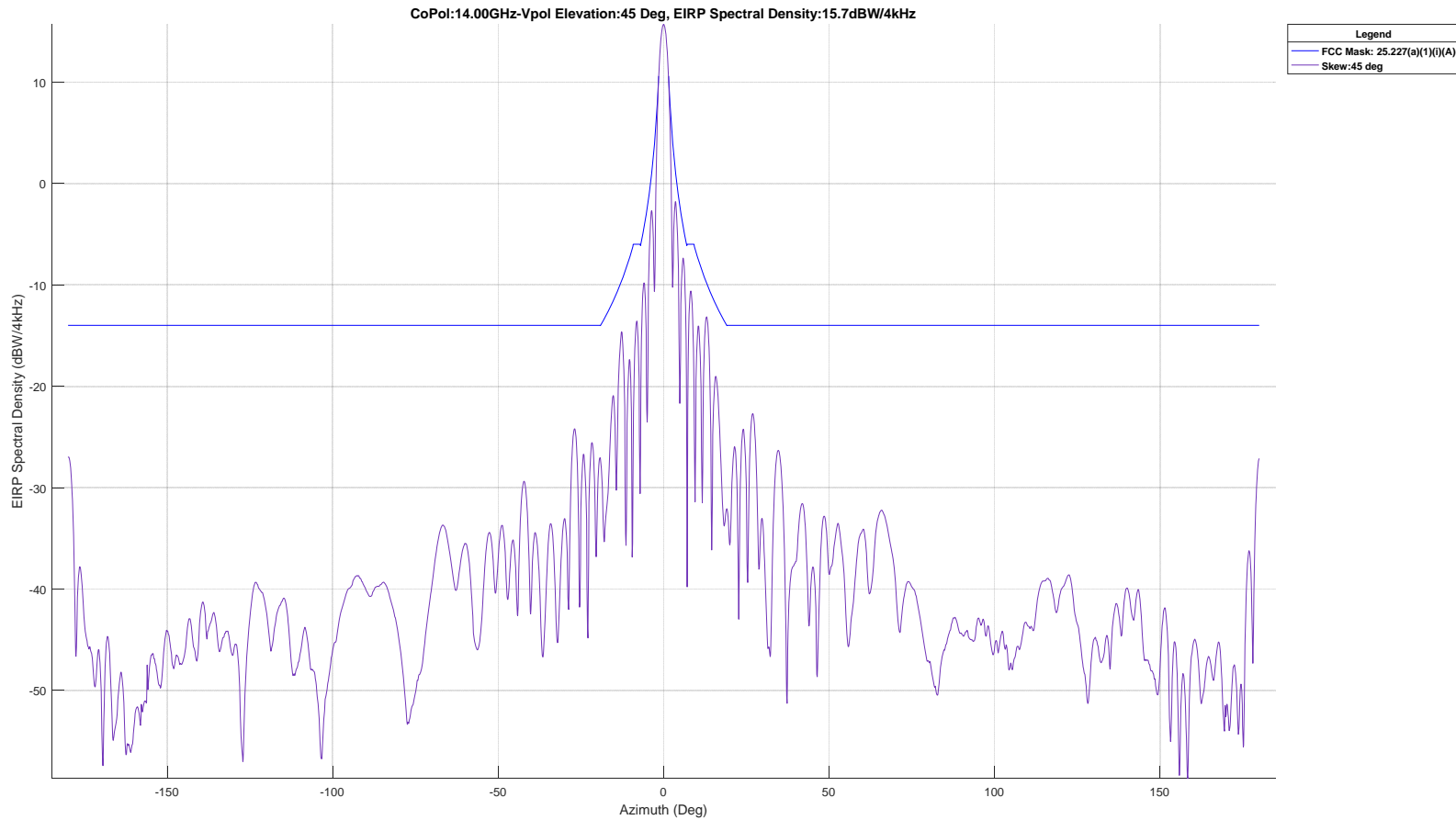
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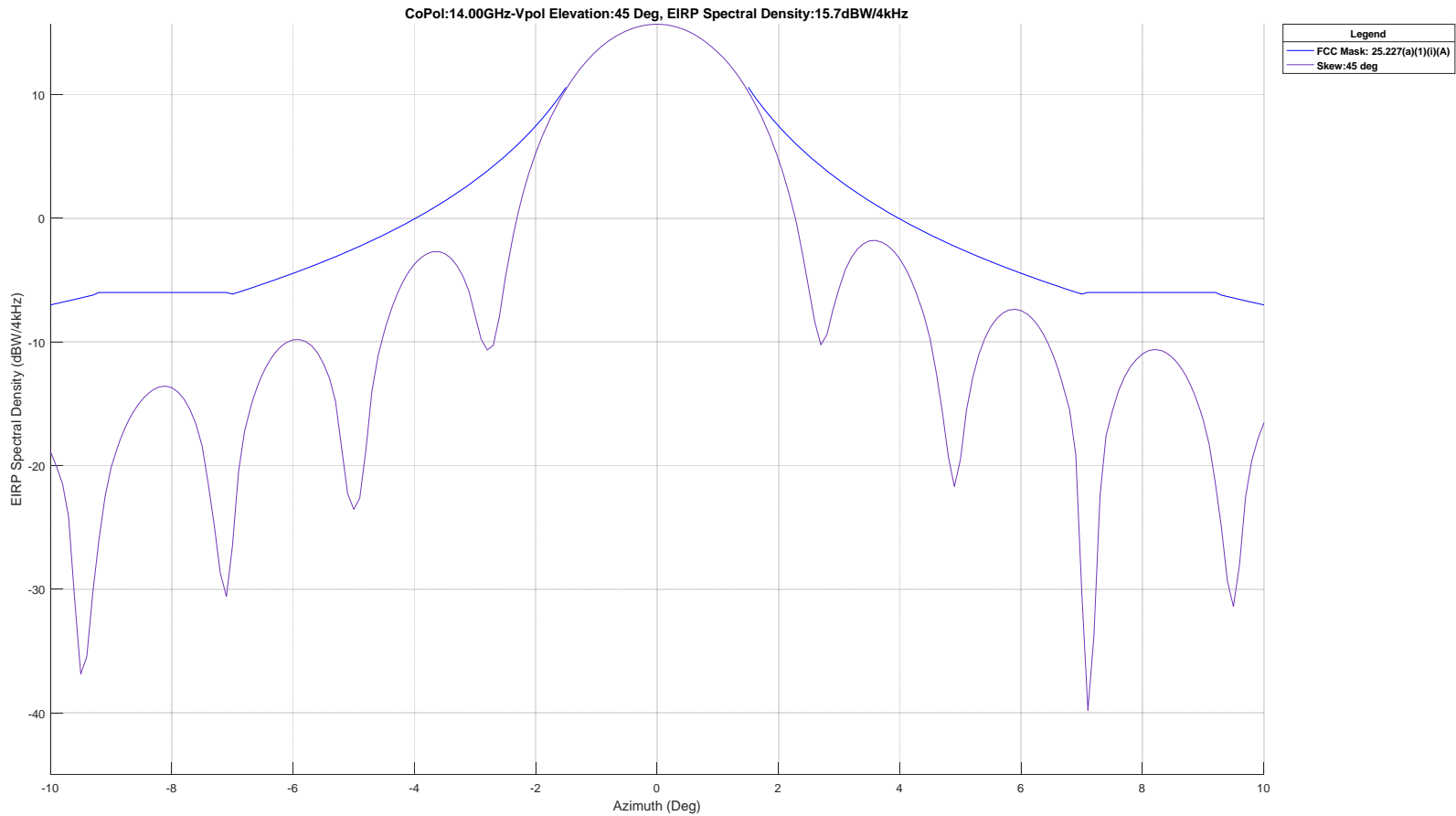
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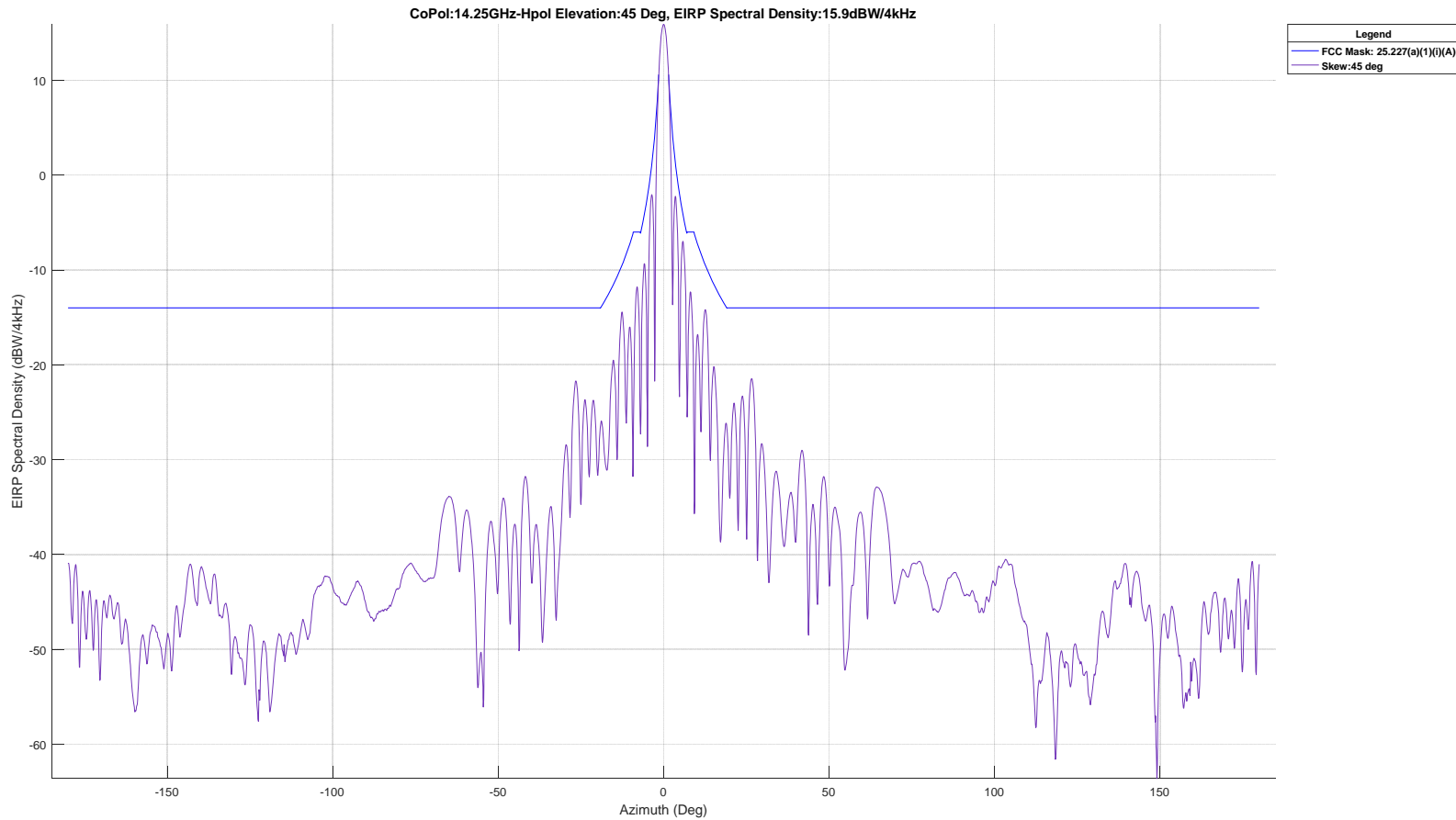
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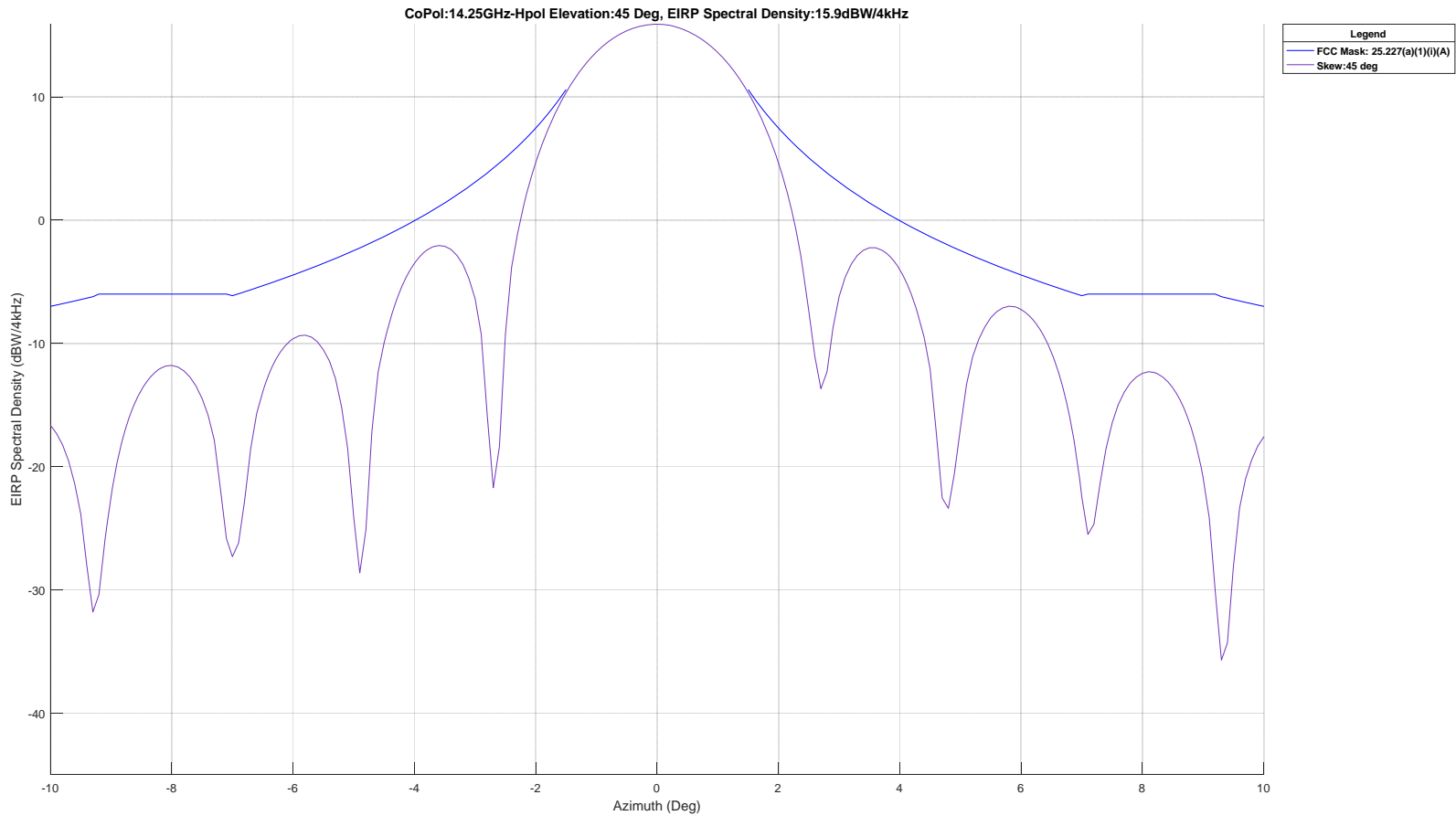
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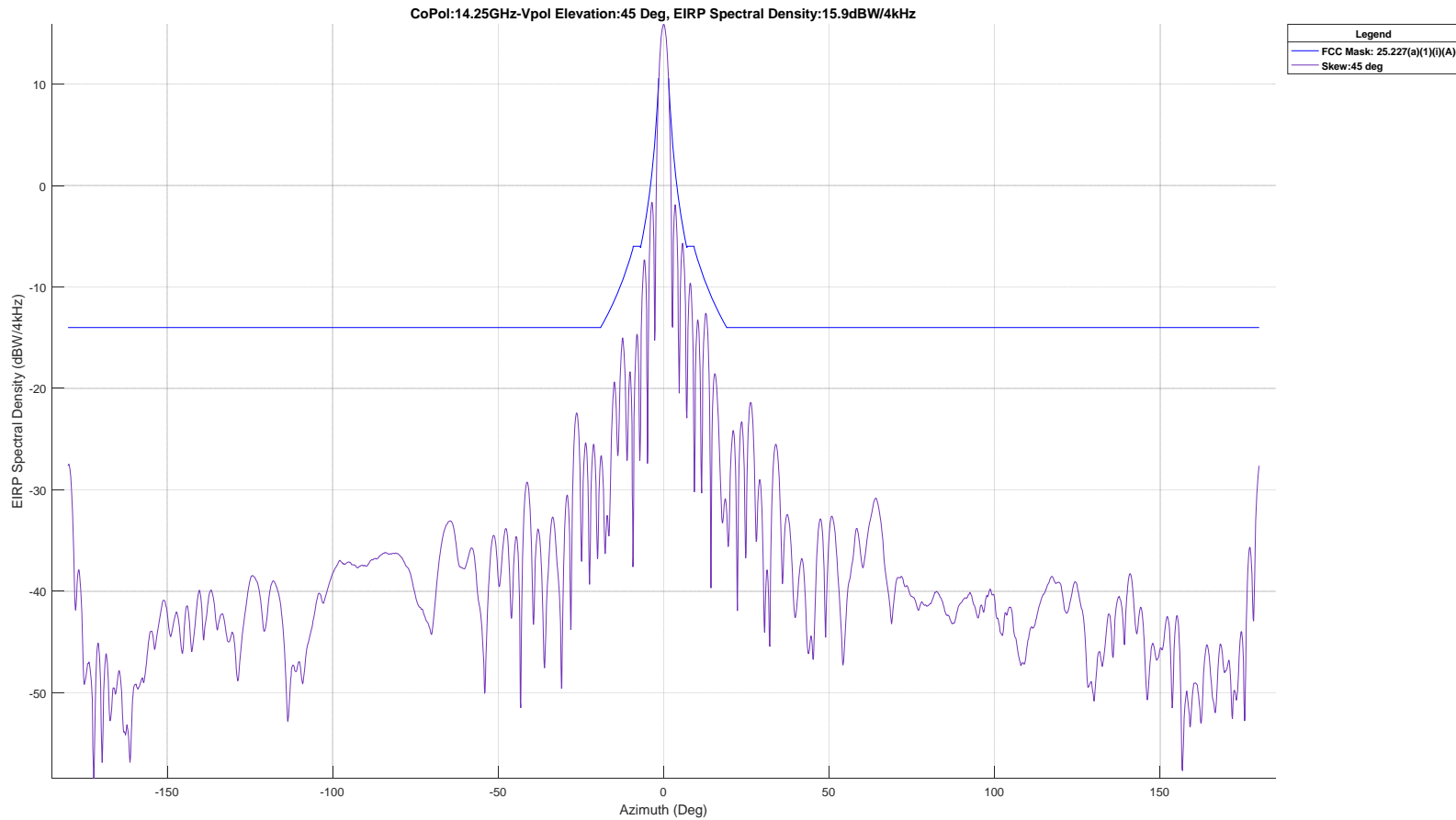
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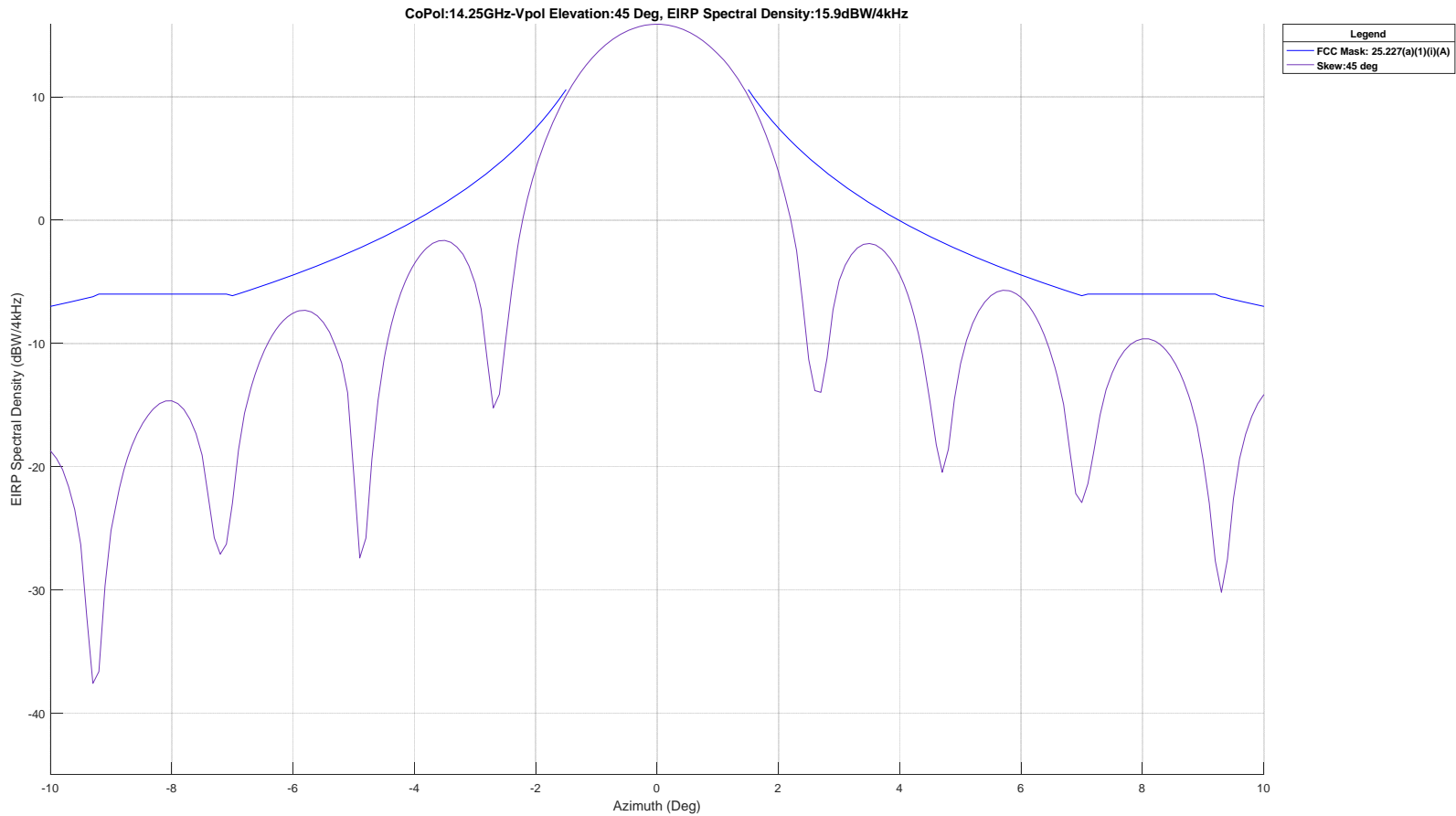
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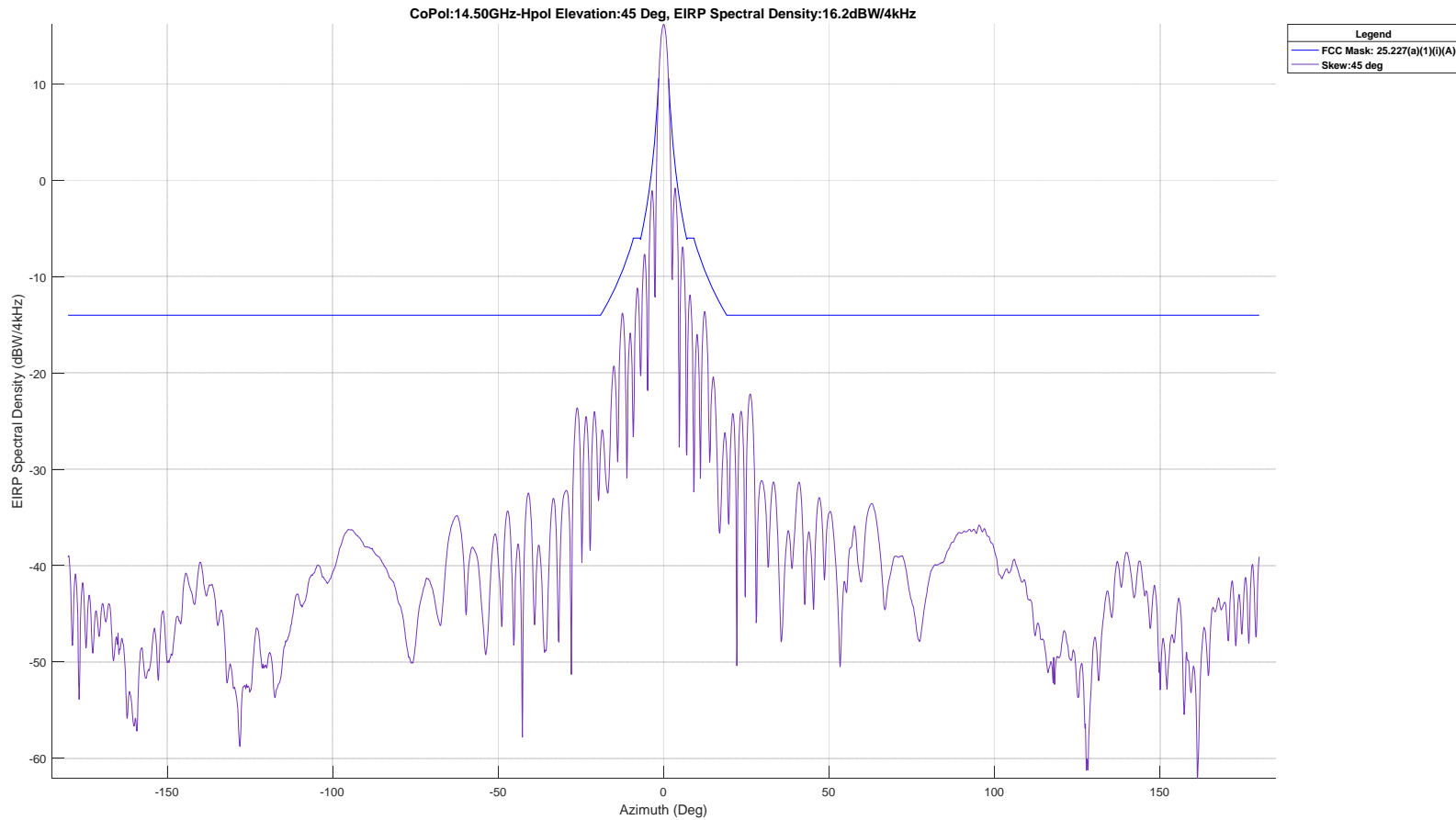
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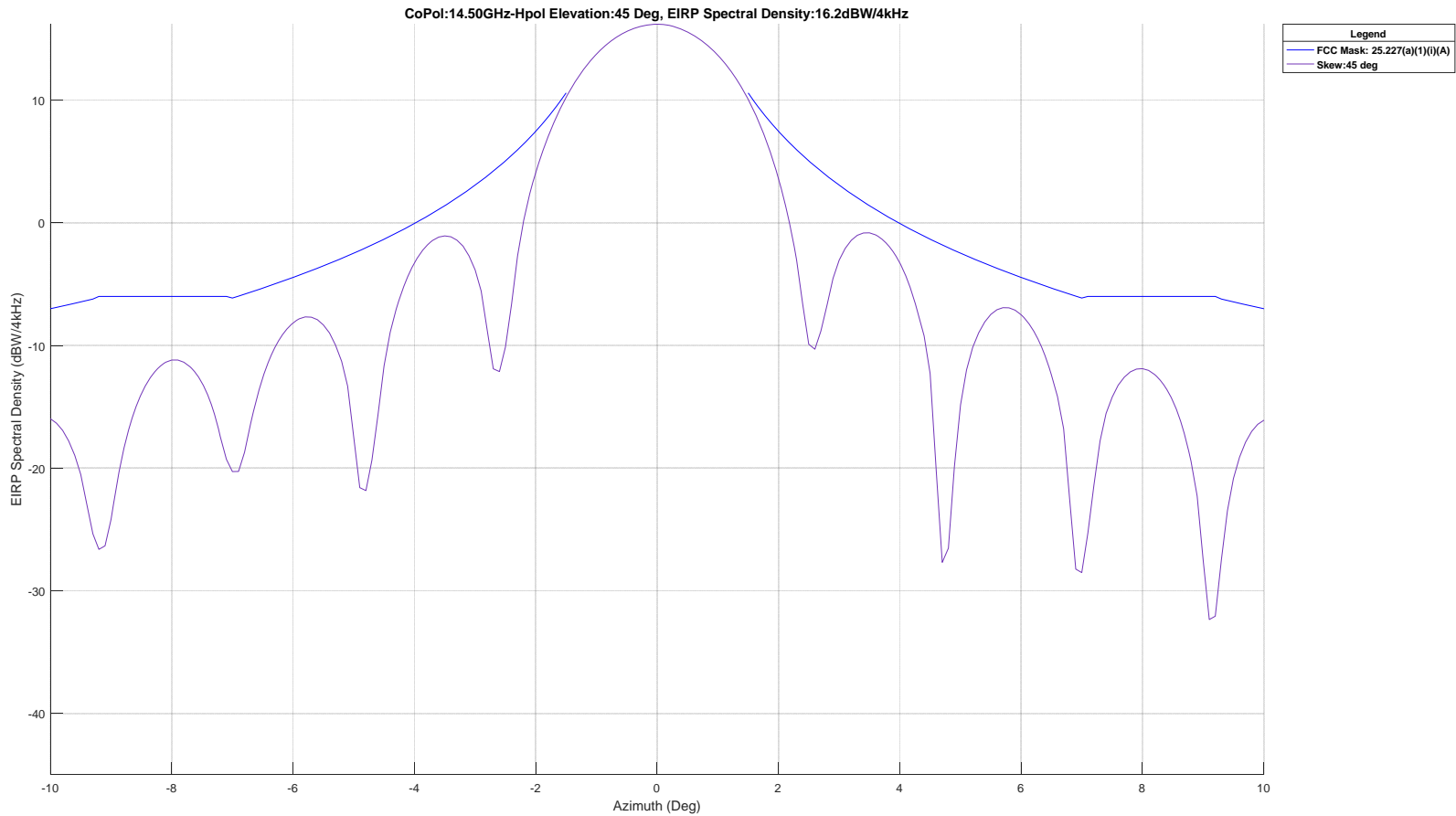
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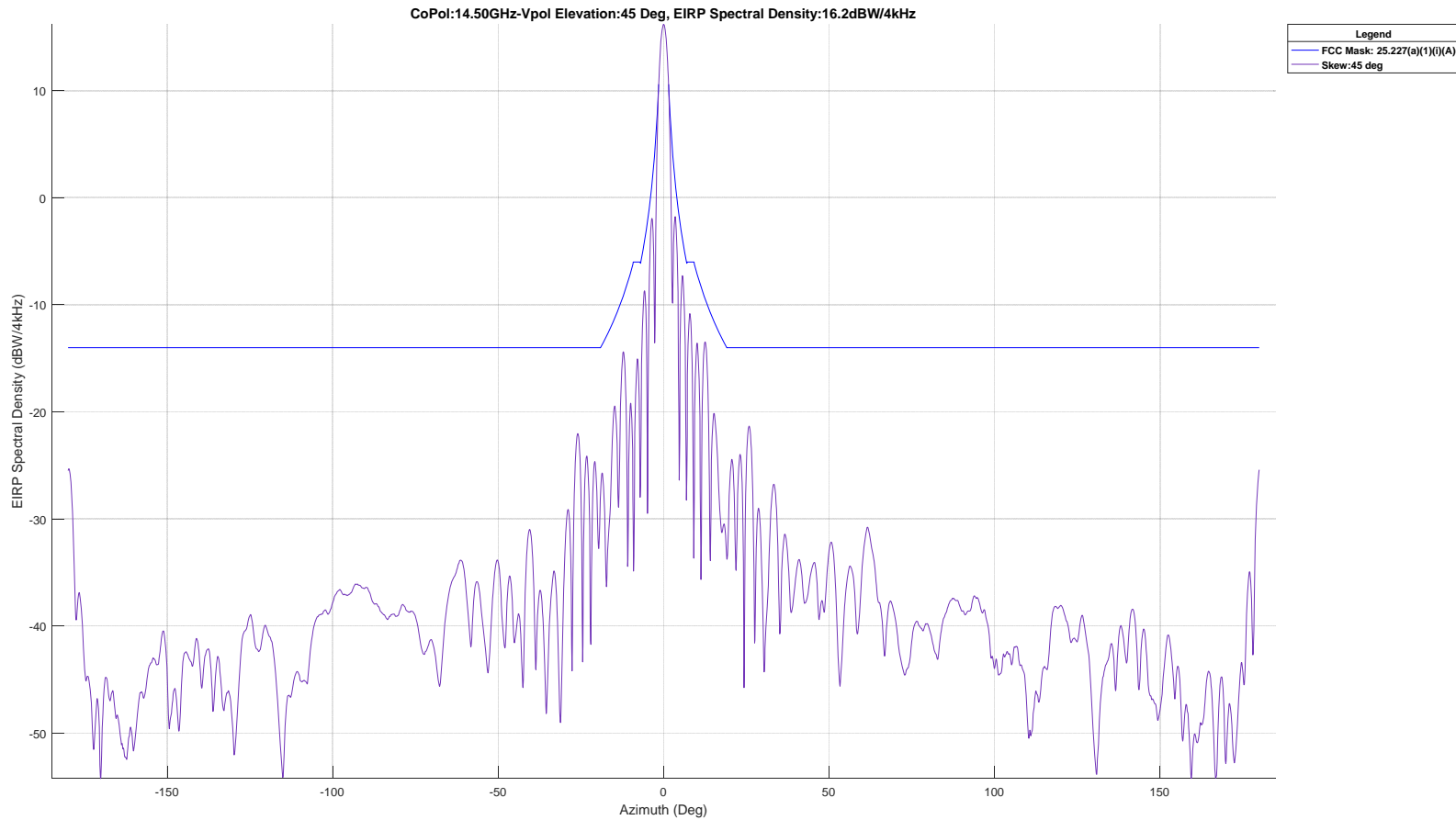
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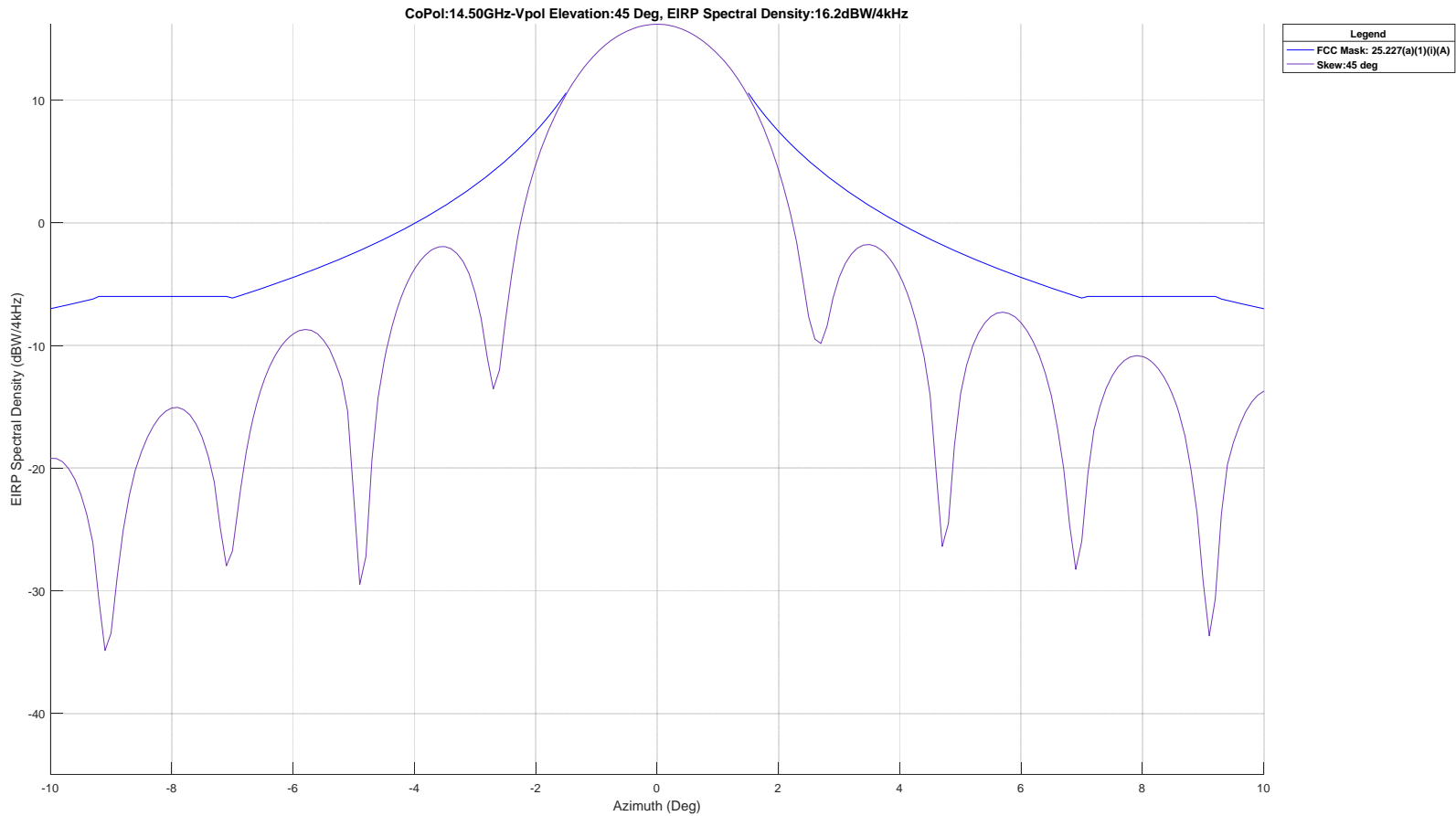
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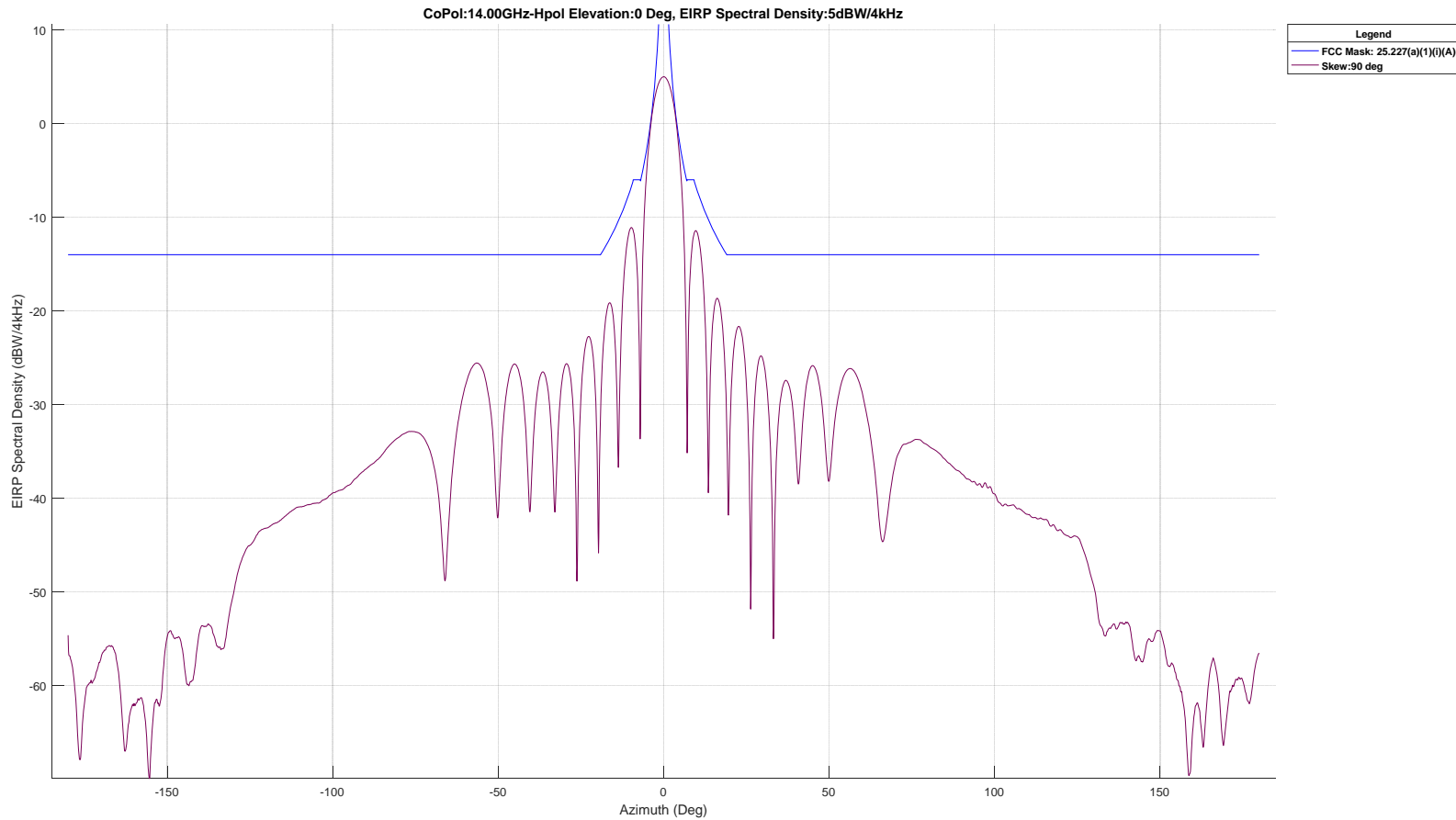
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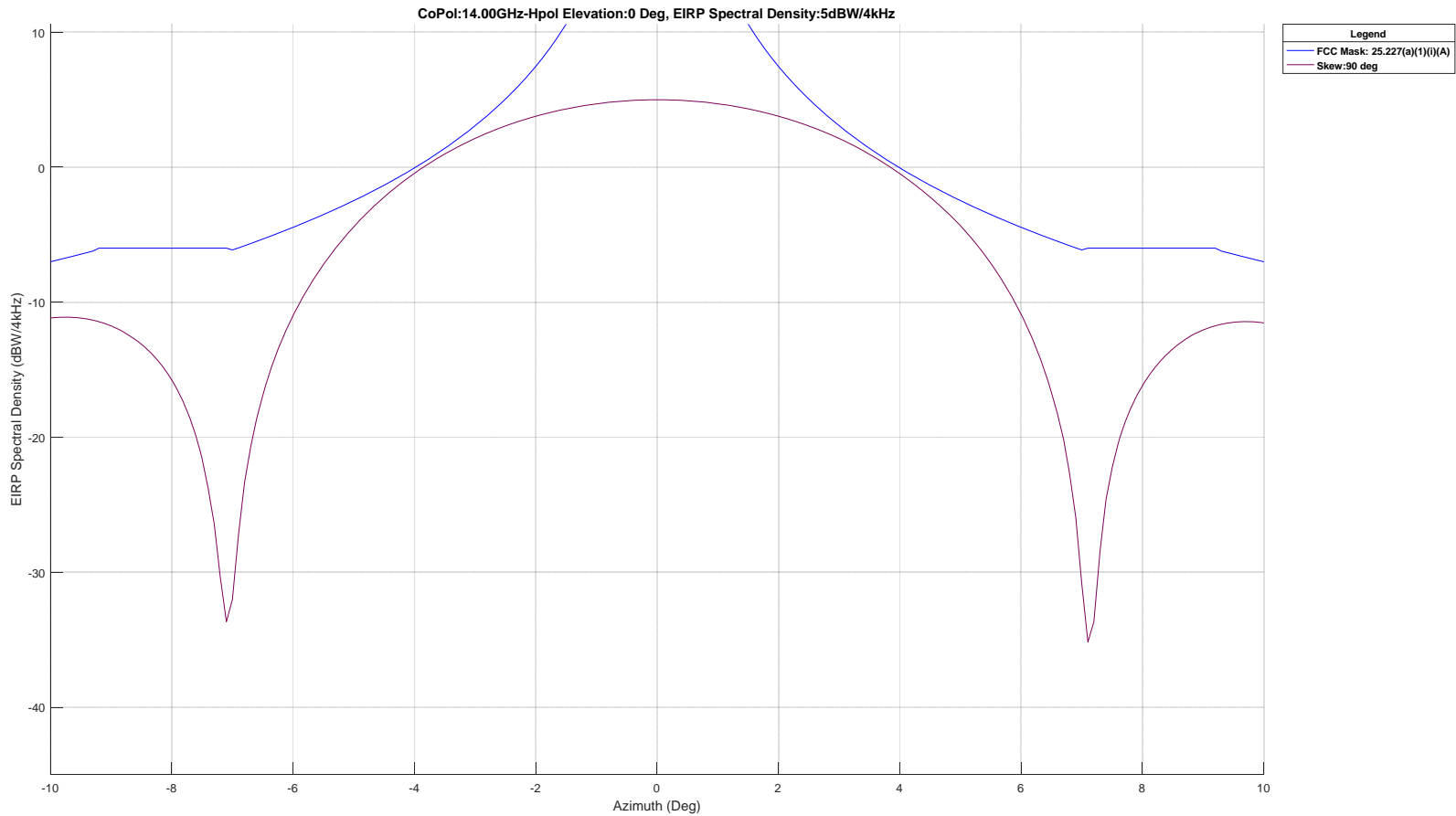
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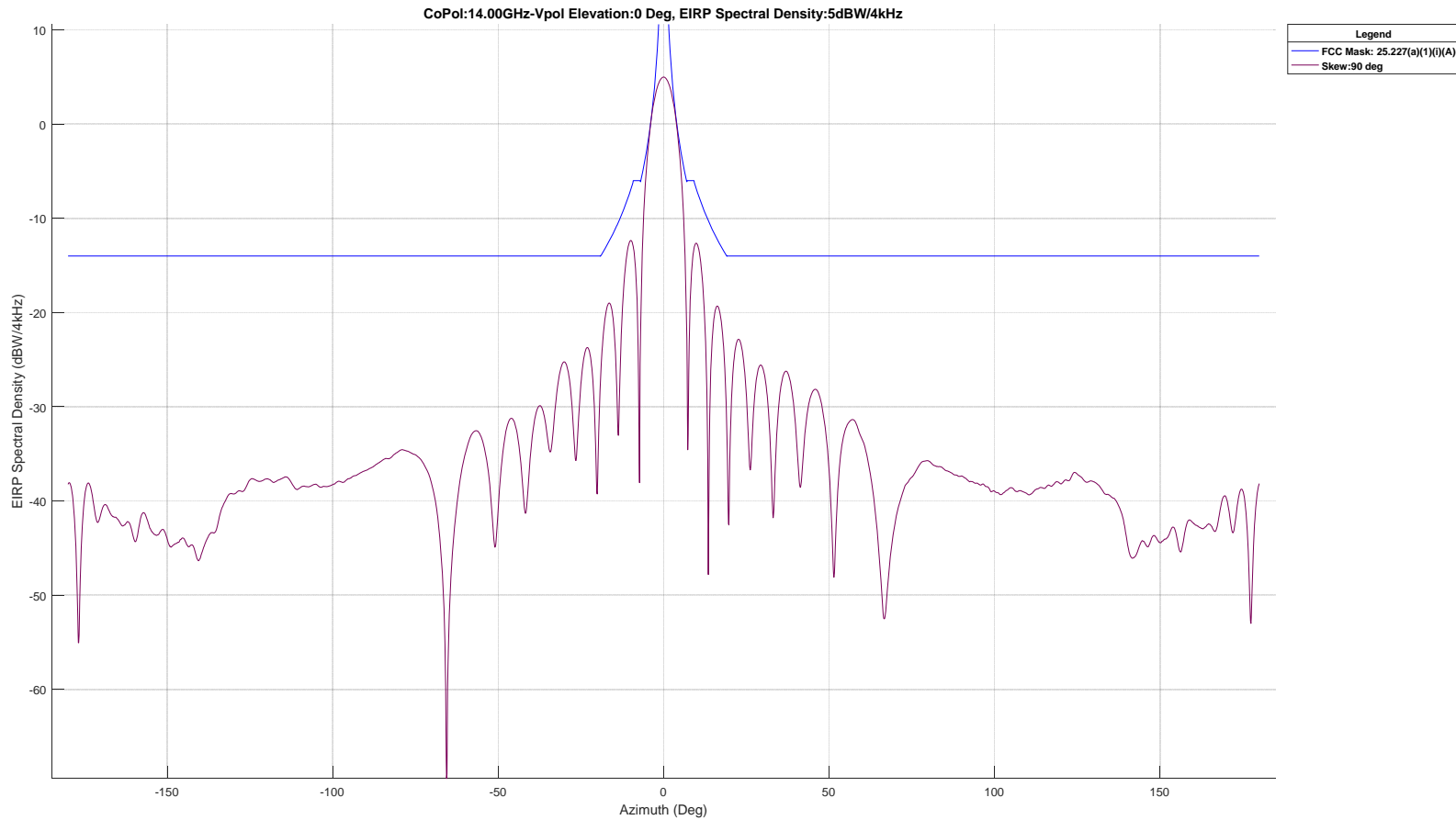
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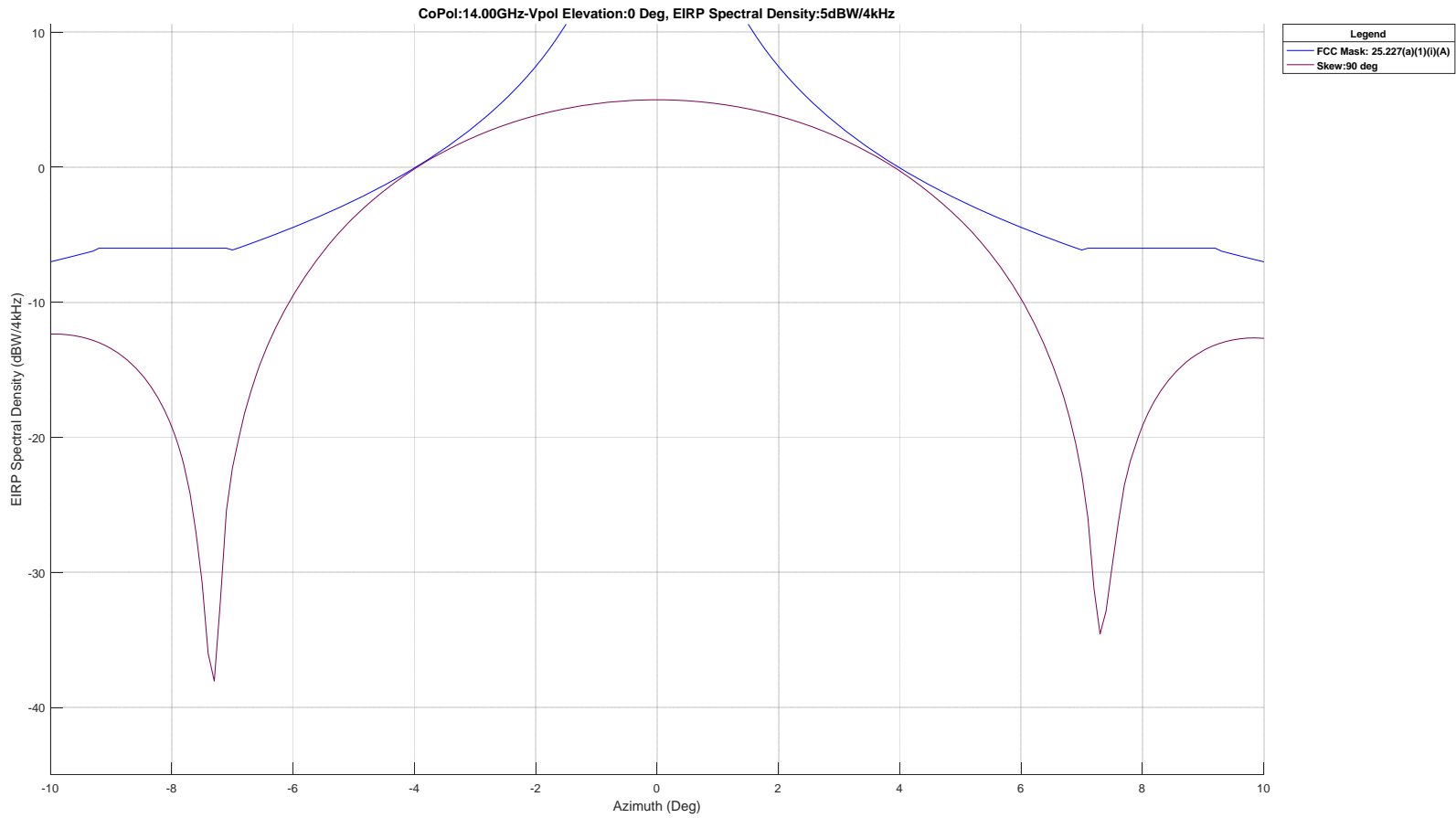
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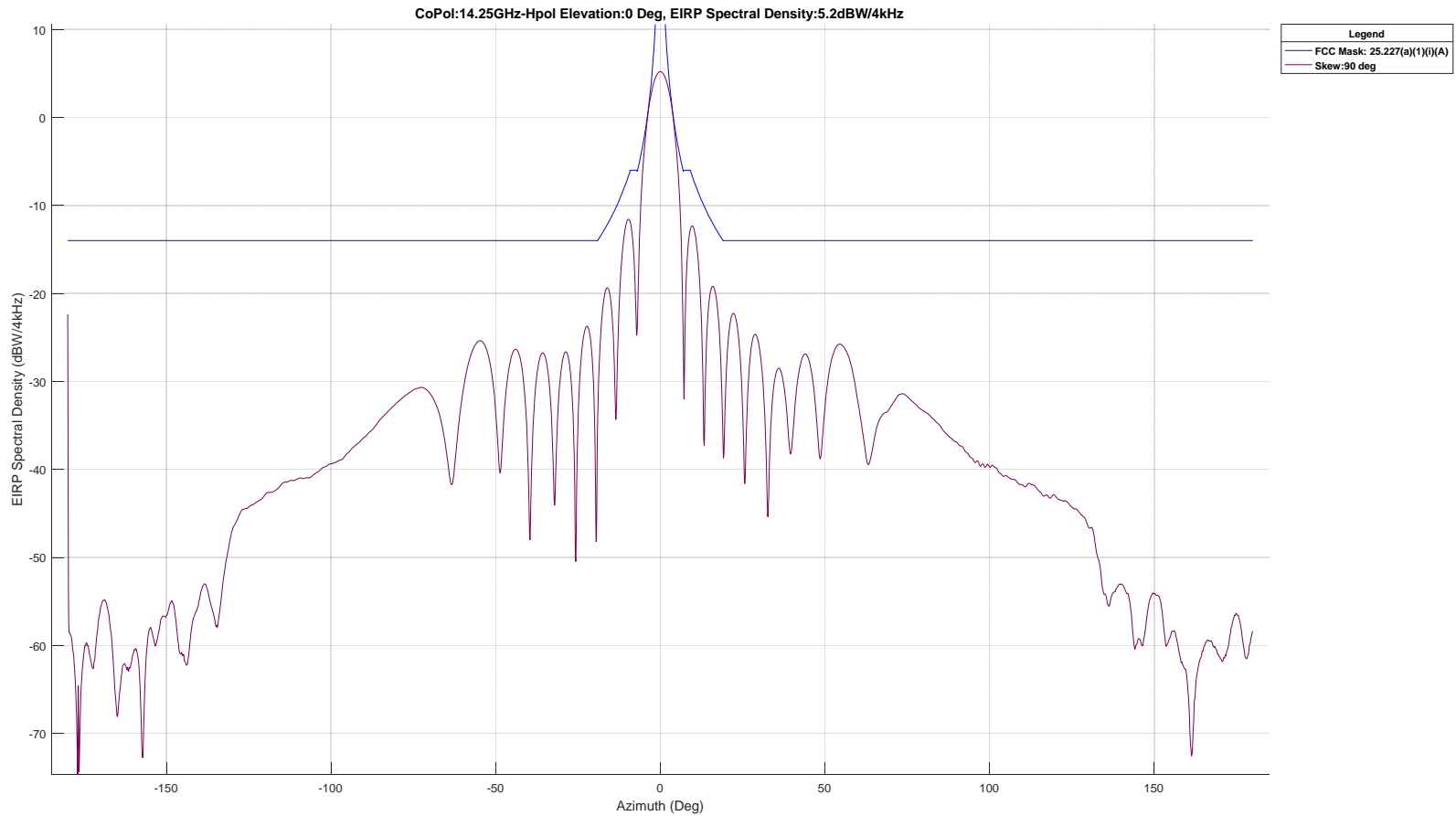
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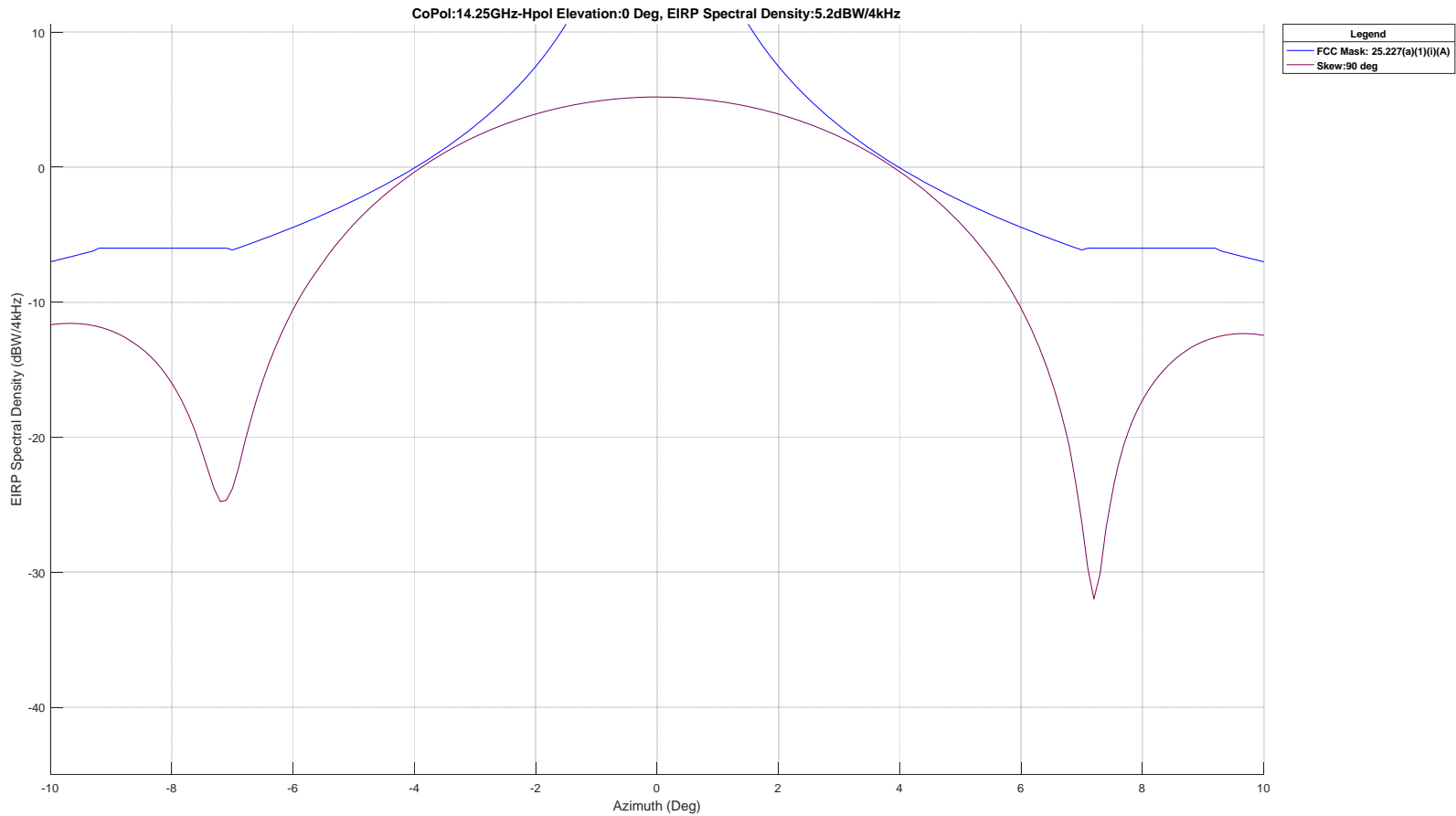
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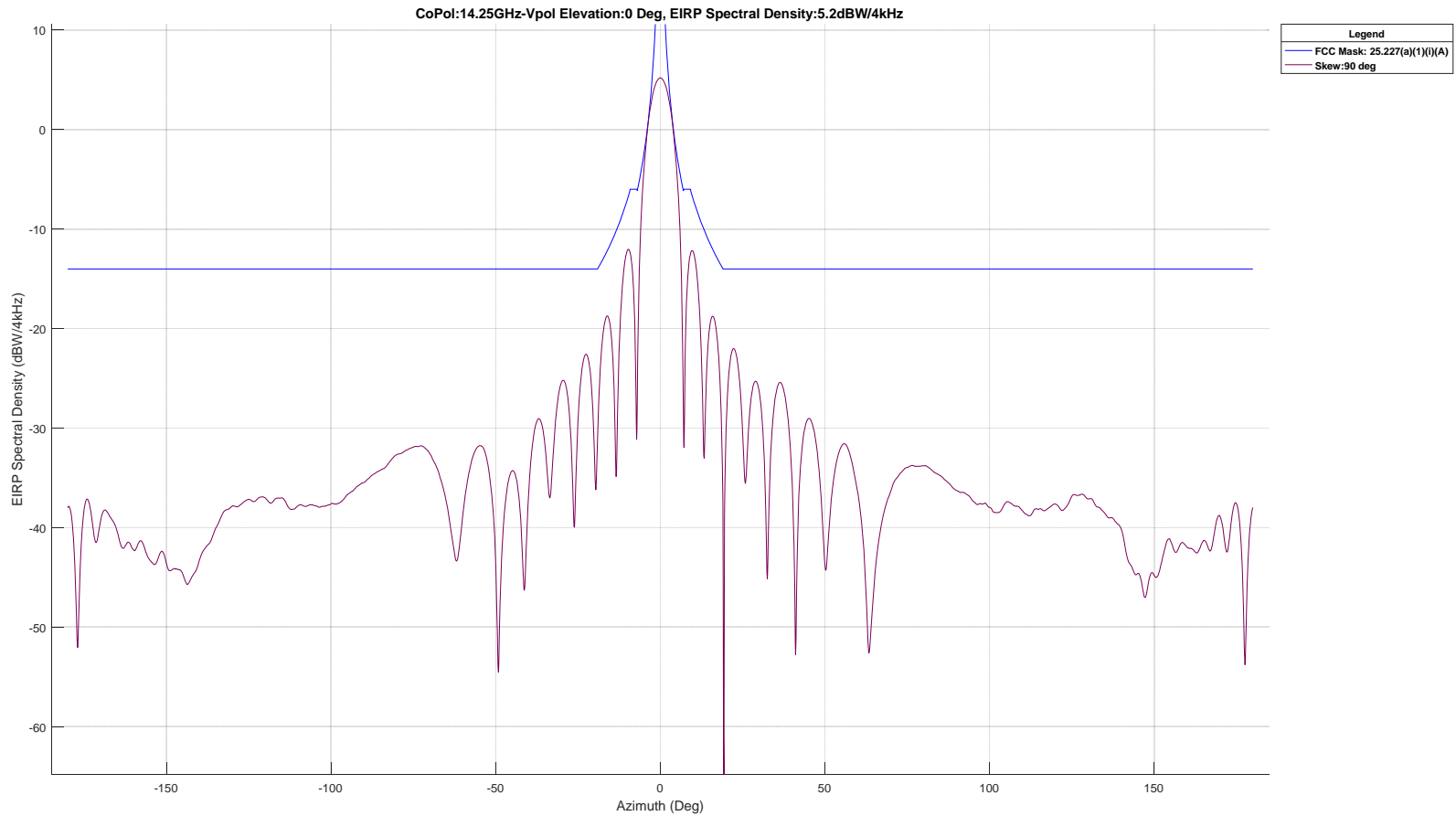
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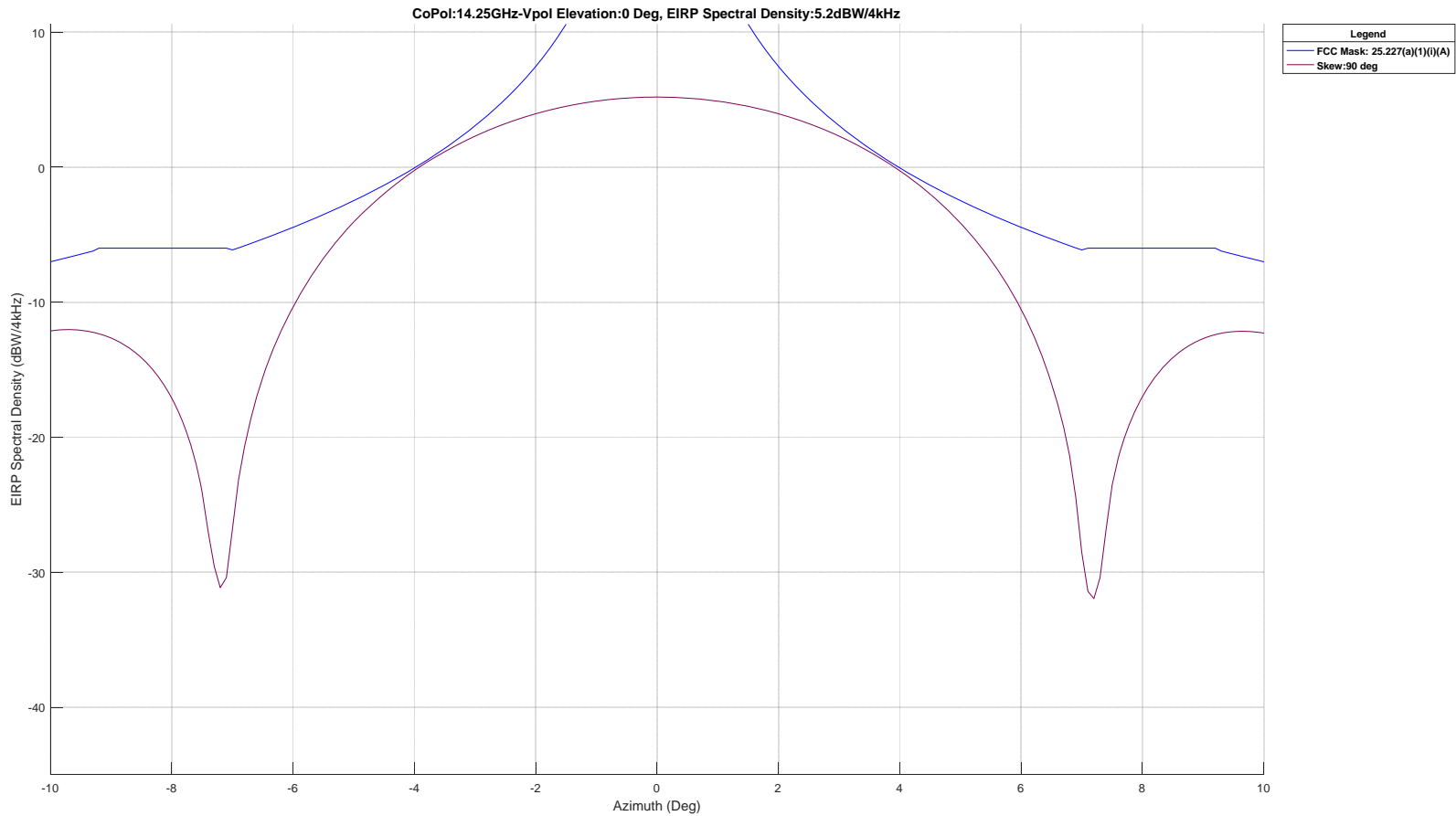
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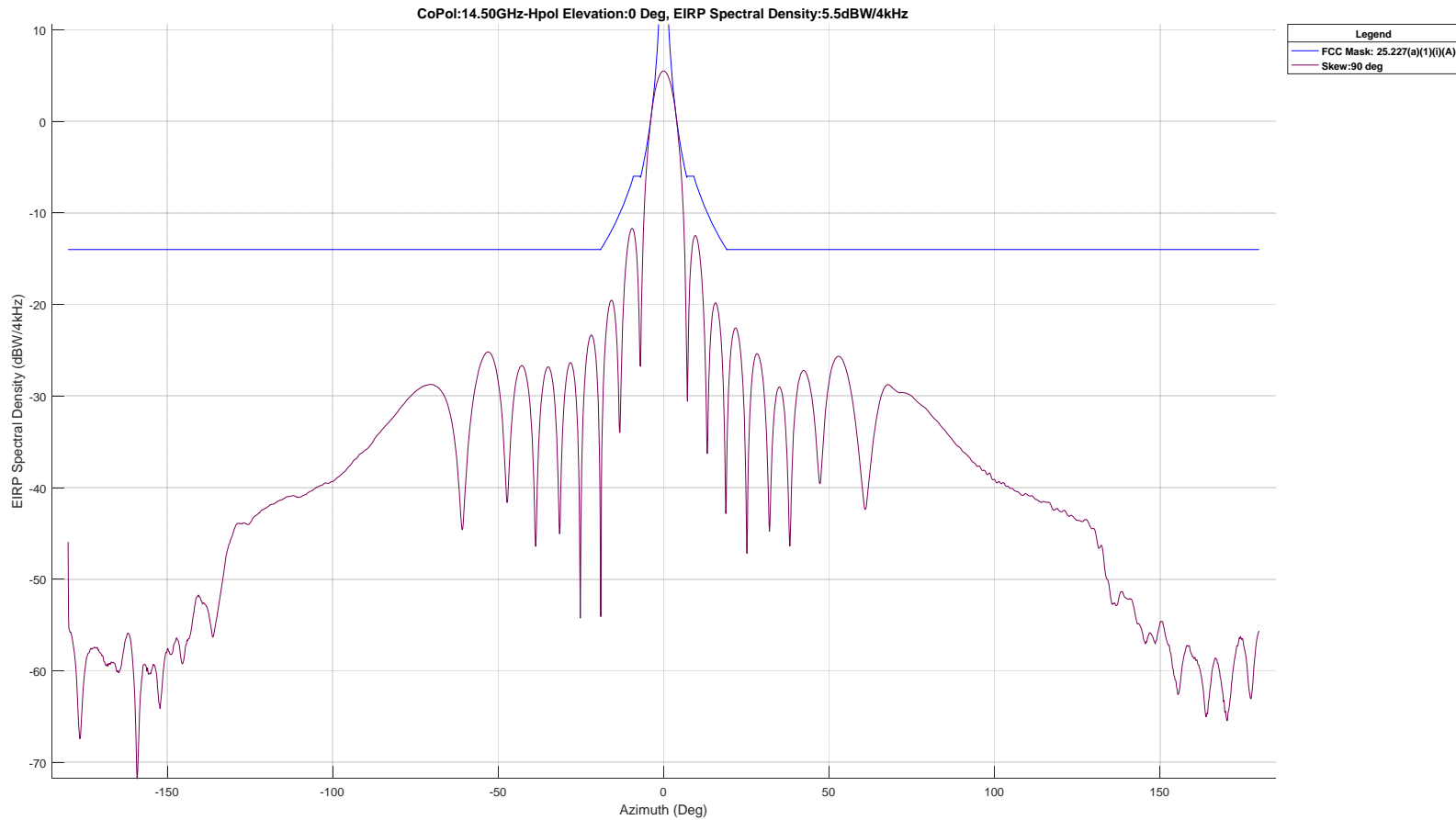
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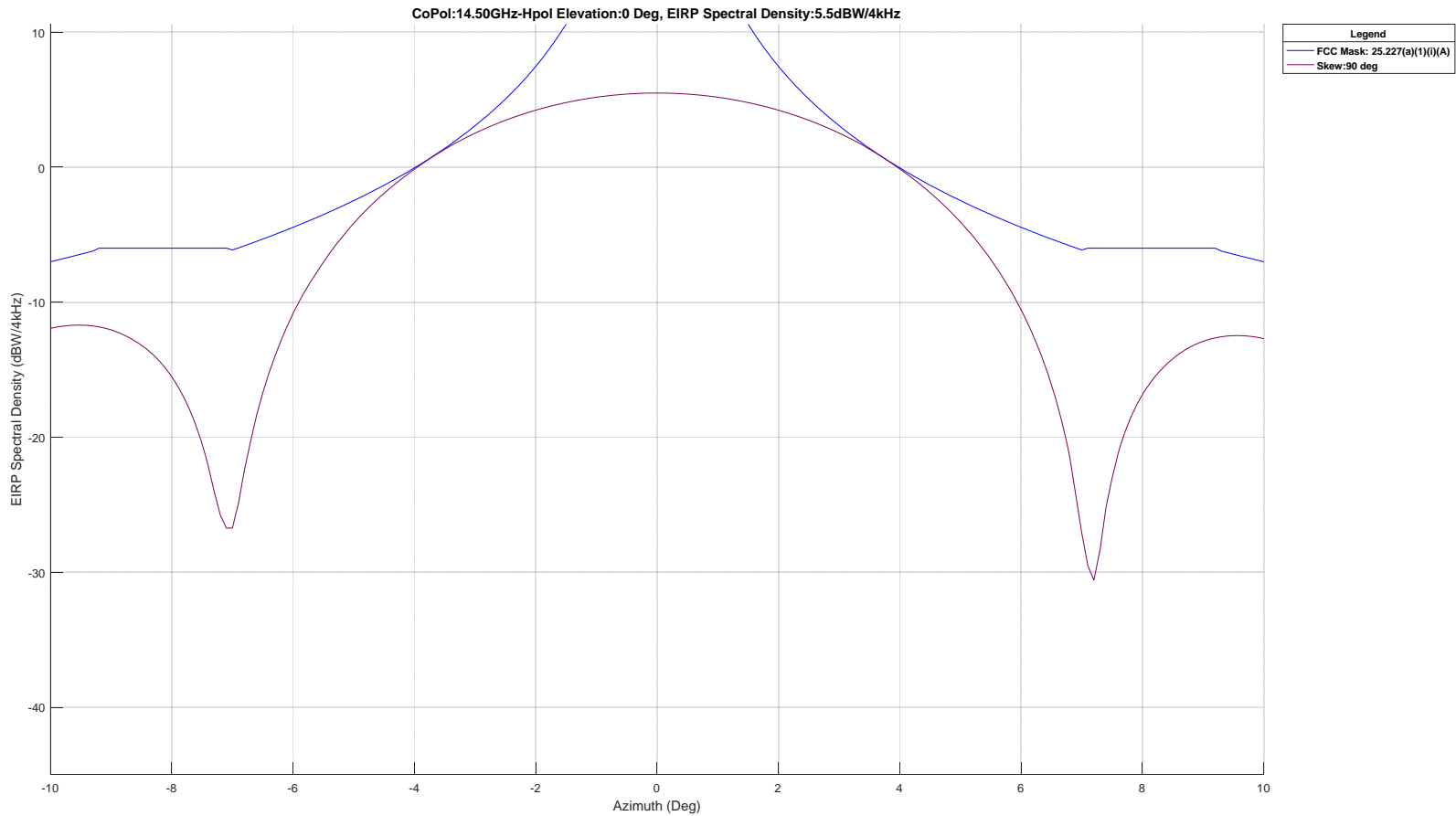
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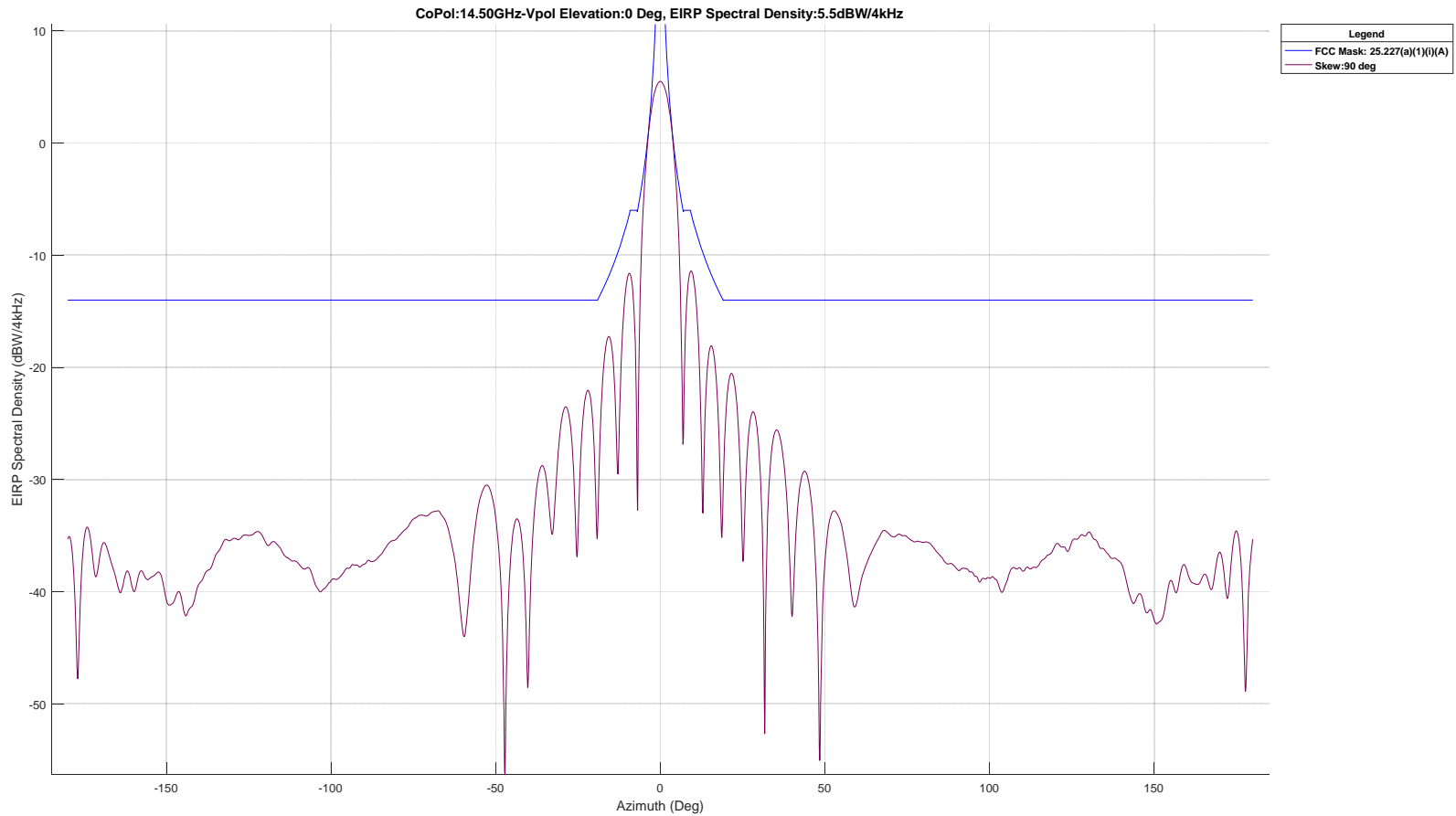
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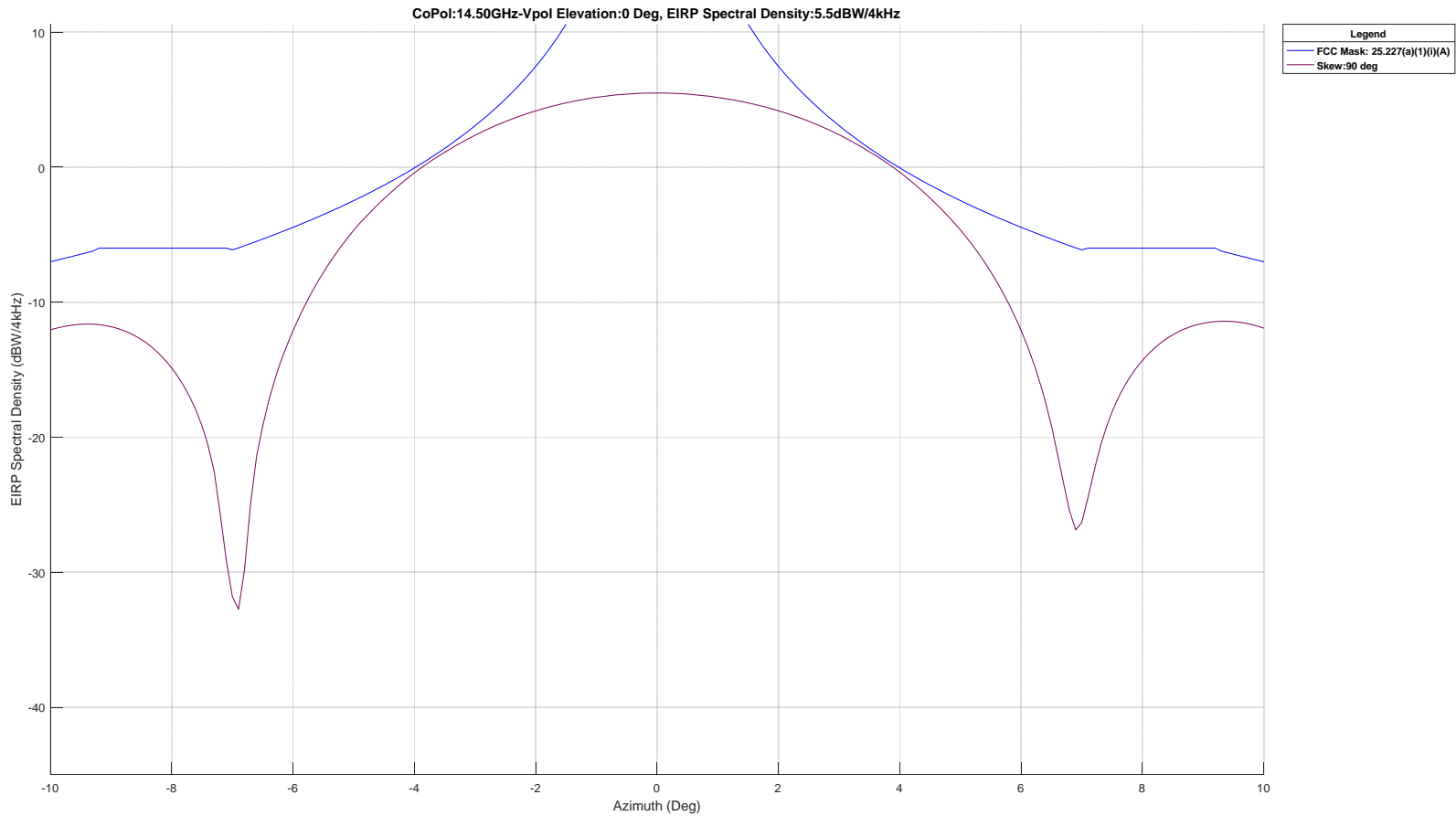
COPOL-TANGENT TO GSO PLANE:14.50GHZ-HPOL ELEVATION:0 DEG, EIRP SPECTRAL DENSITY:5.5DBW/4KHZ



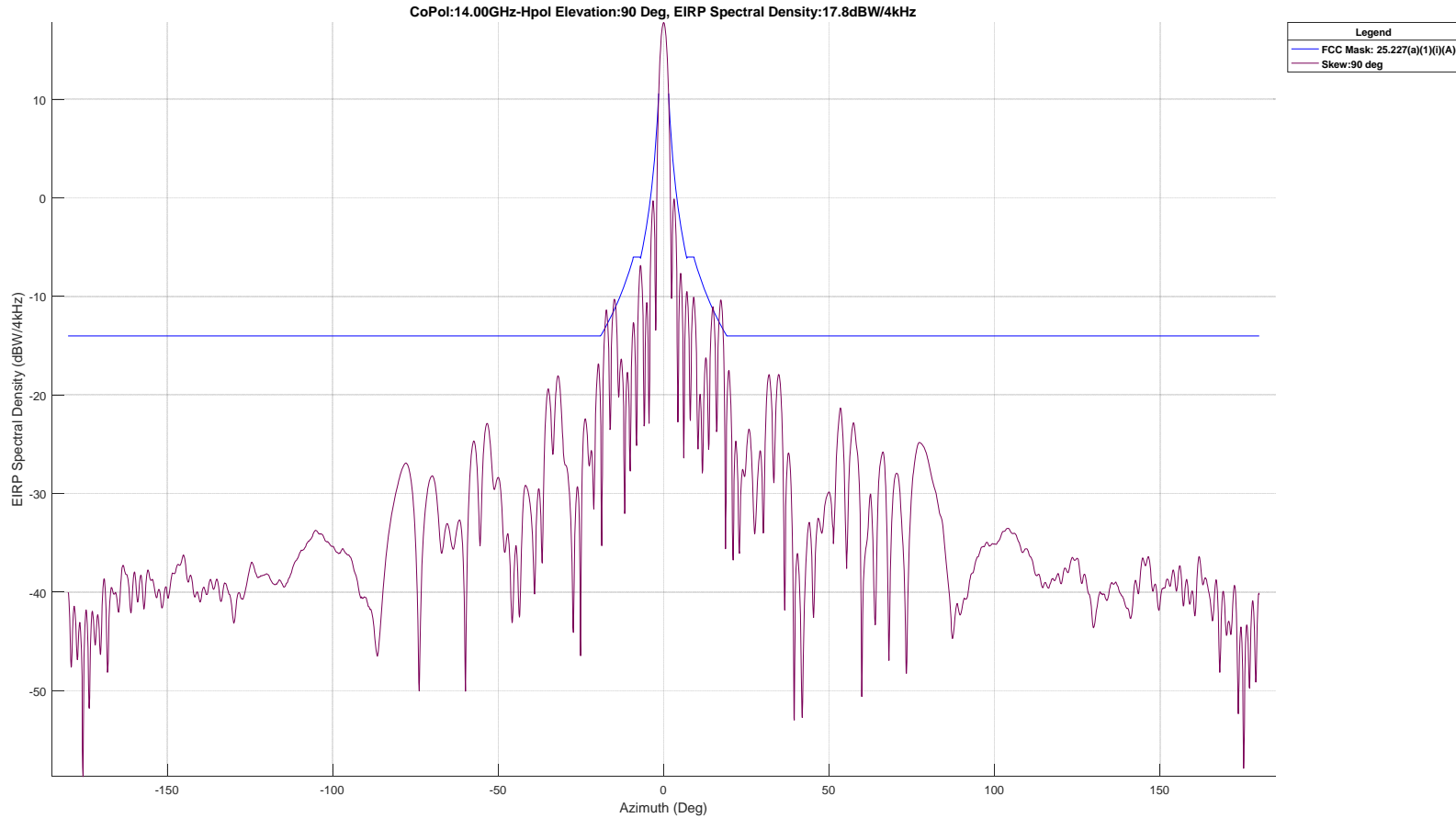
COPOL-TANGENT TO GSO PLANE:14.50GHZ-VPOL ELEVATION:0 DEG, EIRP SPECTRAL DENSITY:5.5DBW/4KHZ



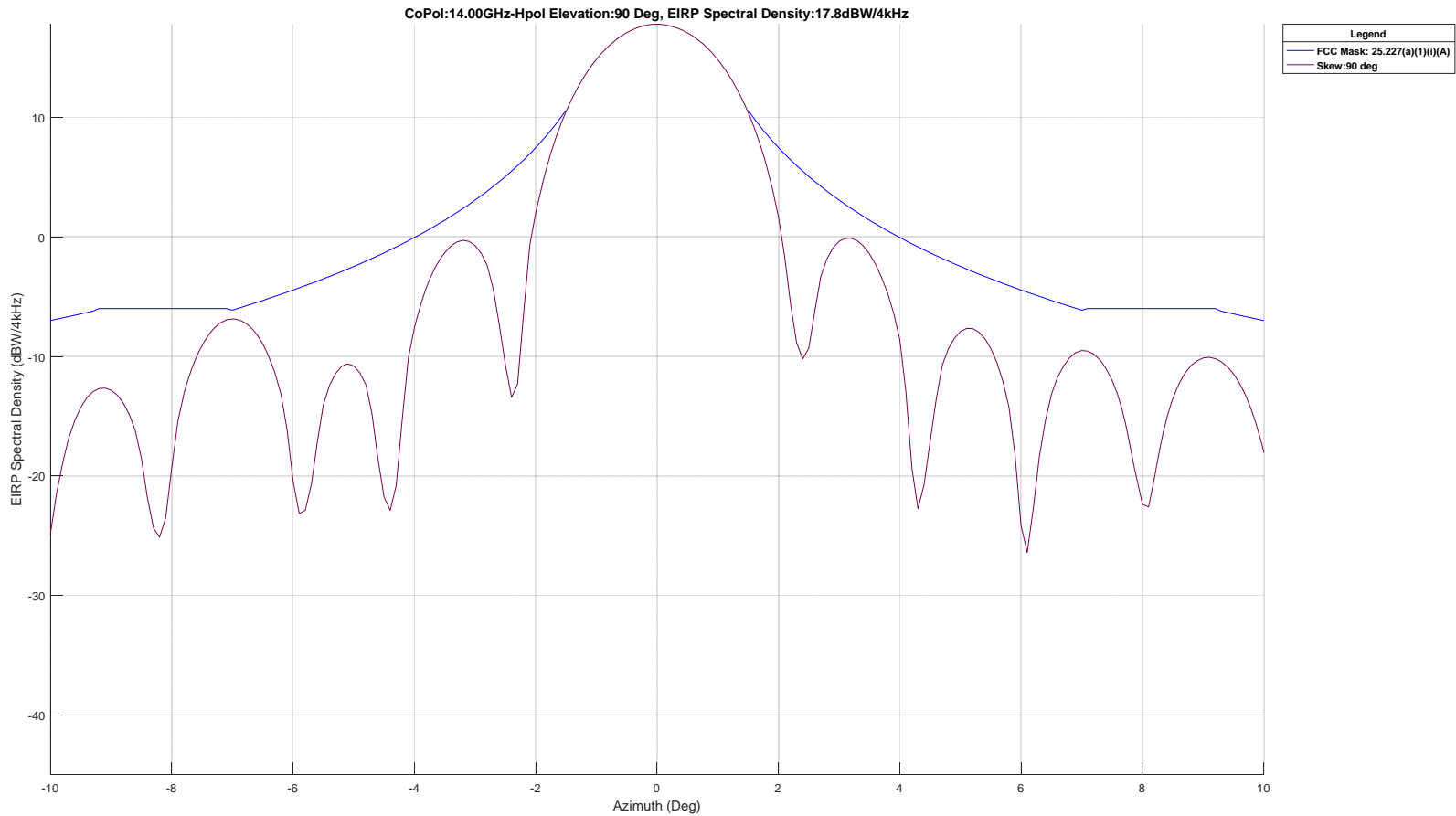
COPOL-TANGENT TO GSO PLANE:14.50GHZ-VPOL ELEVATION:0 DEG, EIRP SPECTRAL DENSITY:5.5DBW/4KHZ



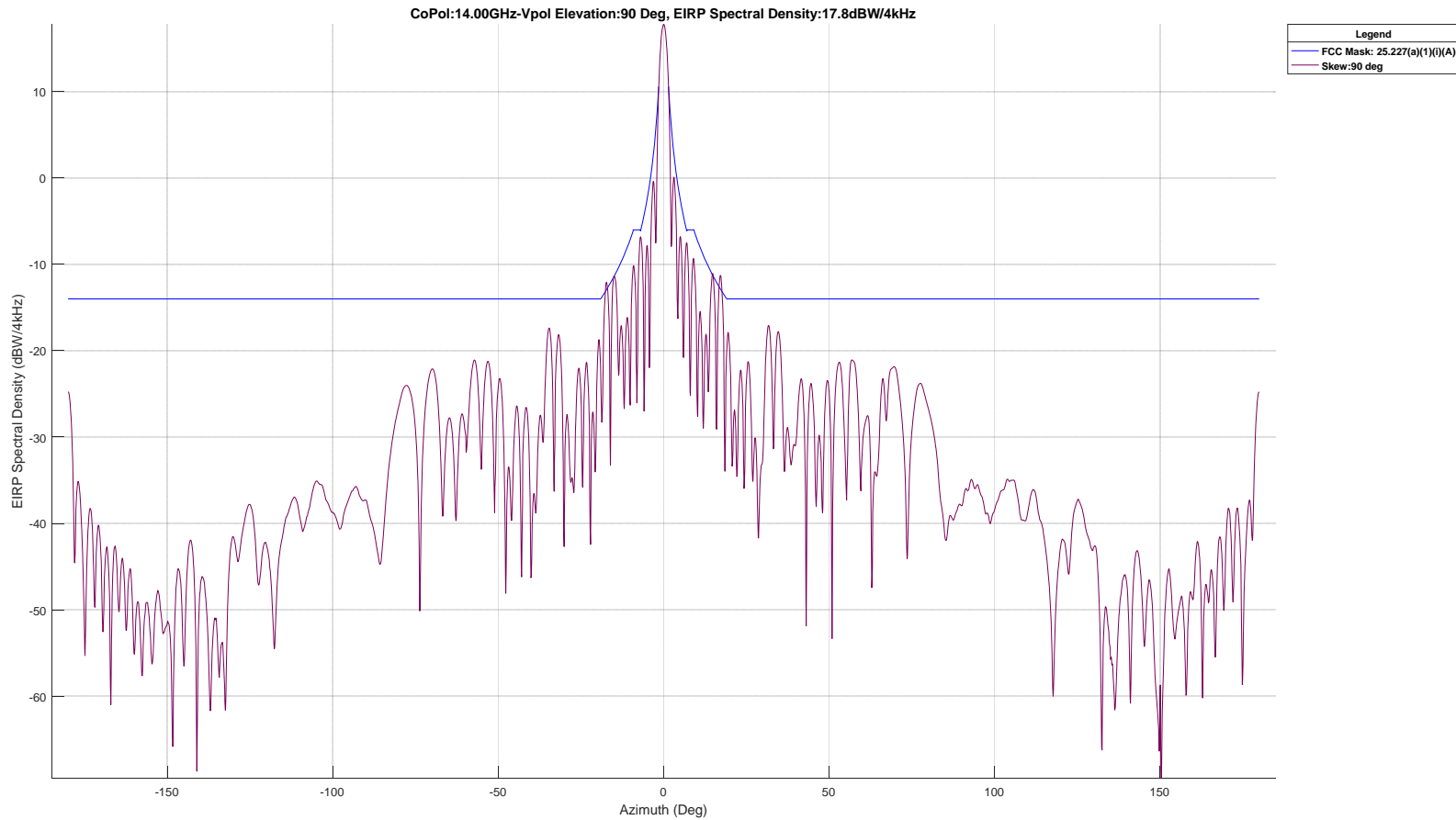
COPOL-TANGENT TO GSO PLANE:14.00GHZ-HPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:17.8DBW/4KHZ



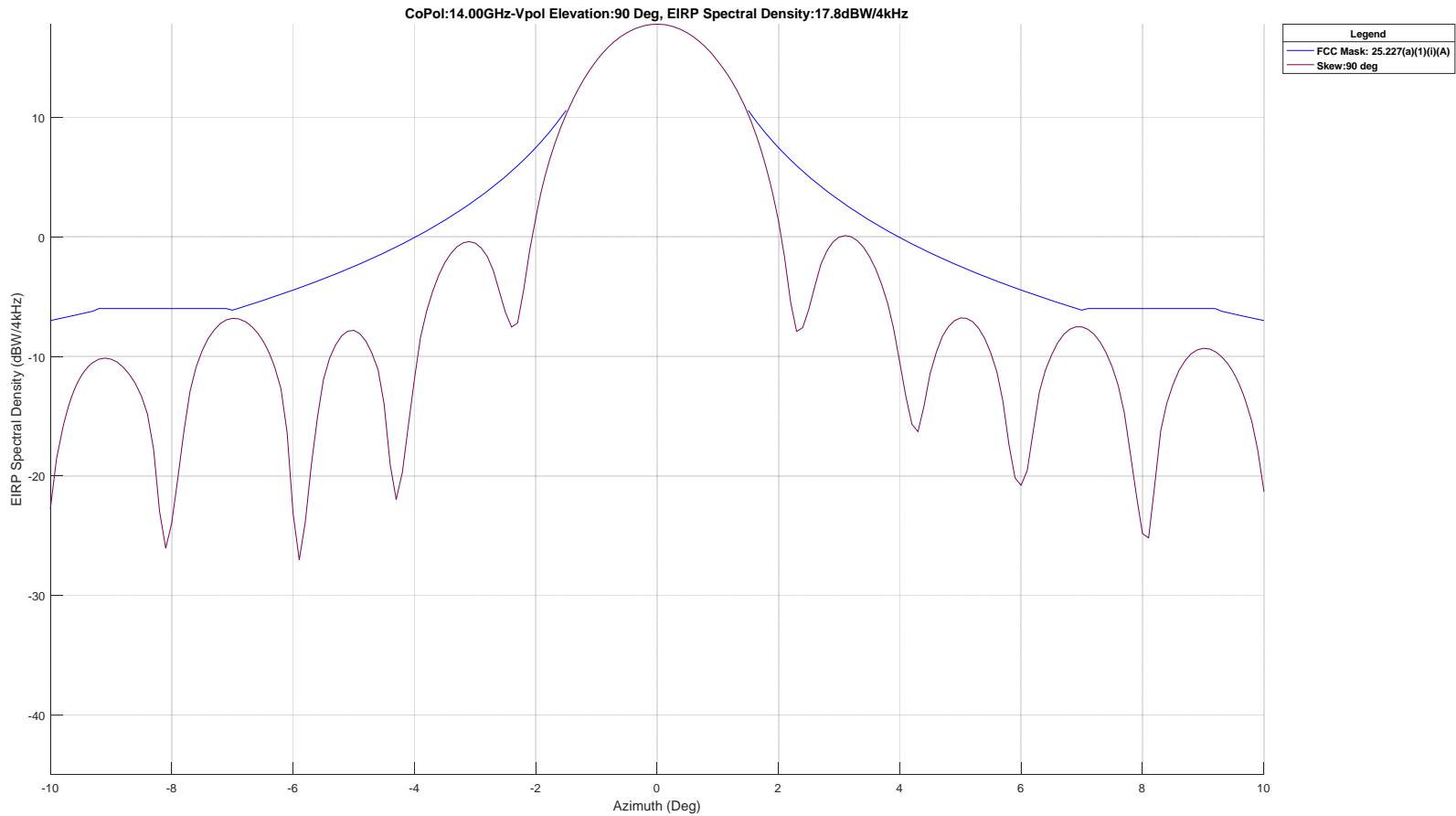
COPOL-TANGENT TO GSO PLANE:14.00GHZ-HPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:17.8DBW/4KHZ



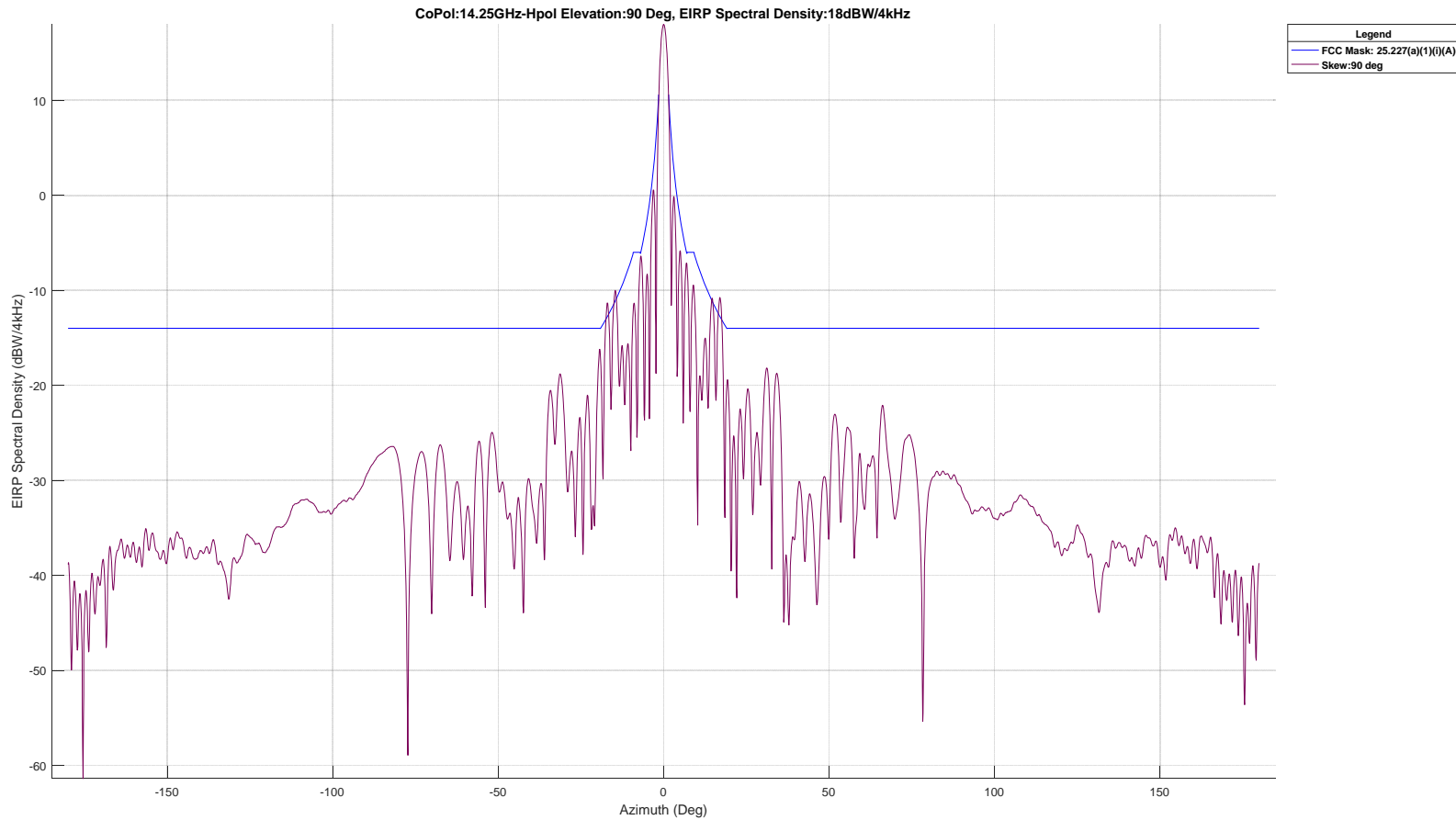
COPOL-TANGENT TO GSO PLANE:14.00GHZ-VPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:17.8DBW/4KHZ



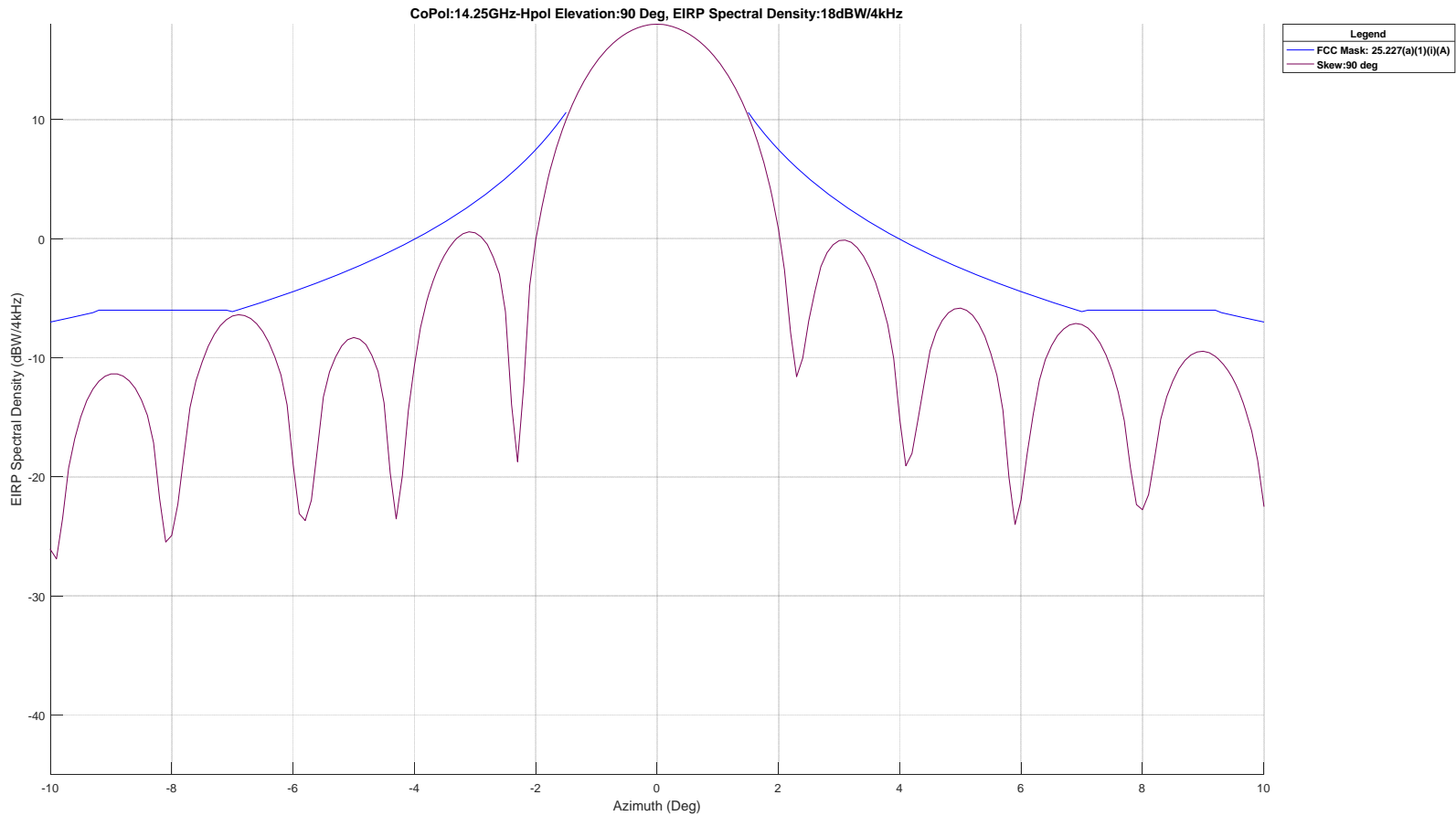
COPOL-TANGENT TO GSO PLANE:14.00GHZ-VPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:17.8DBW/4KHZ



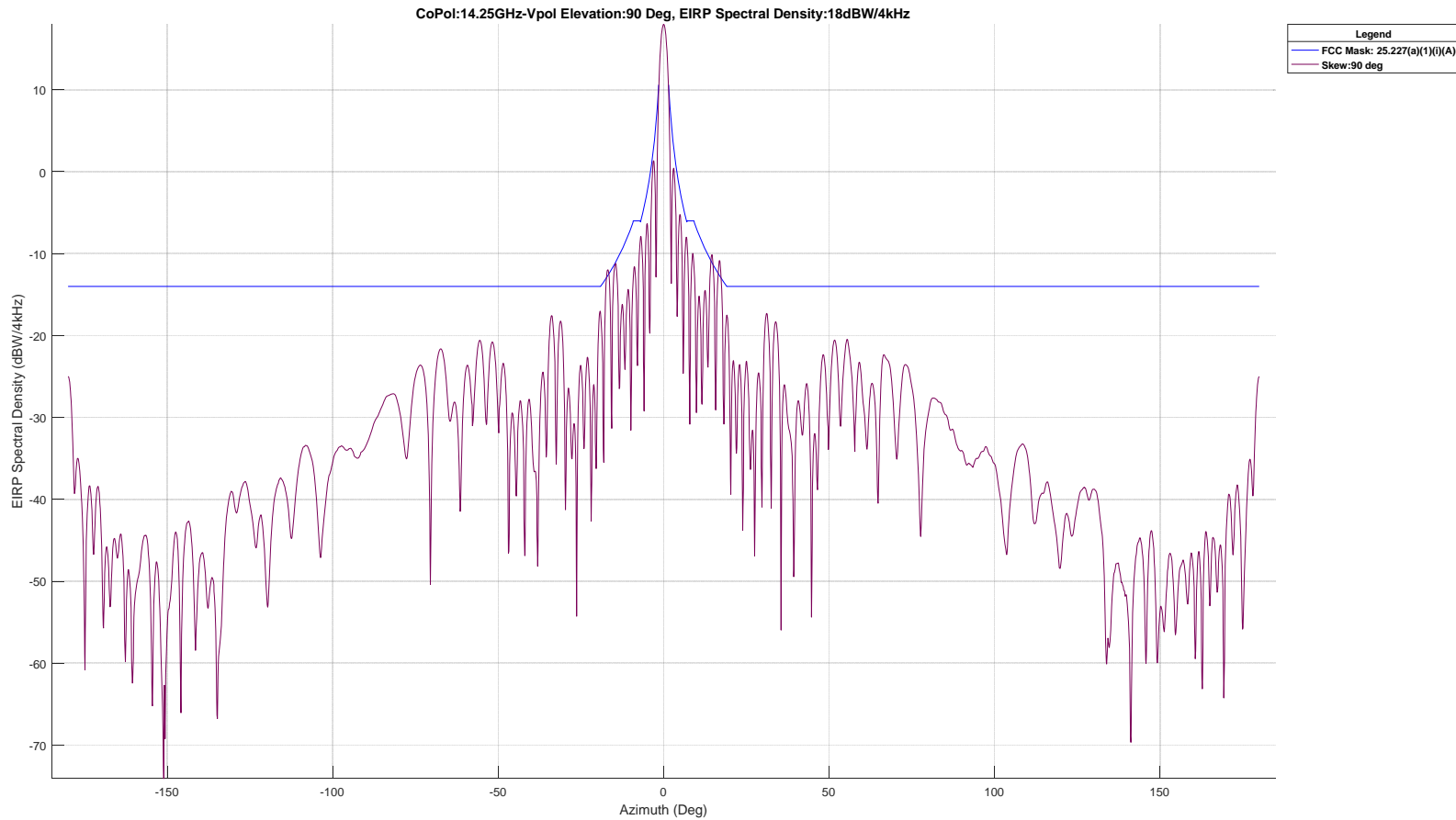
COPOL-TANGENT TO GSO PLANE:14.25GHZ-HPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:18DBW/4KHZ



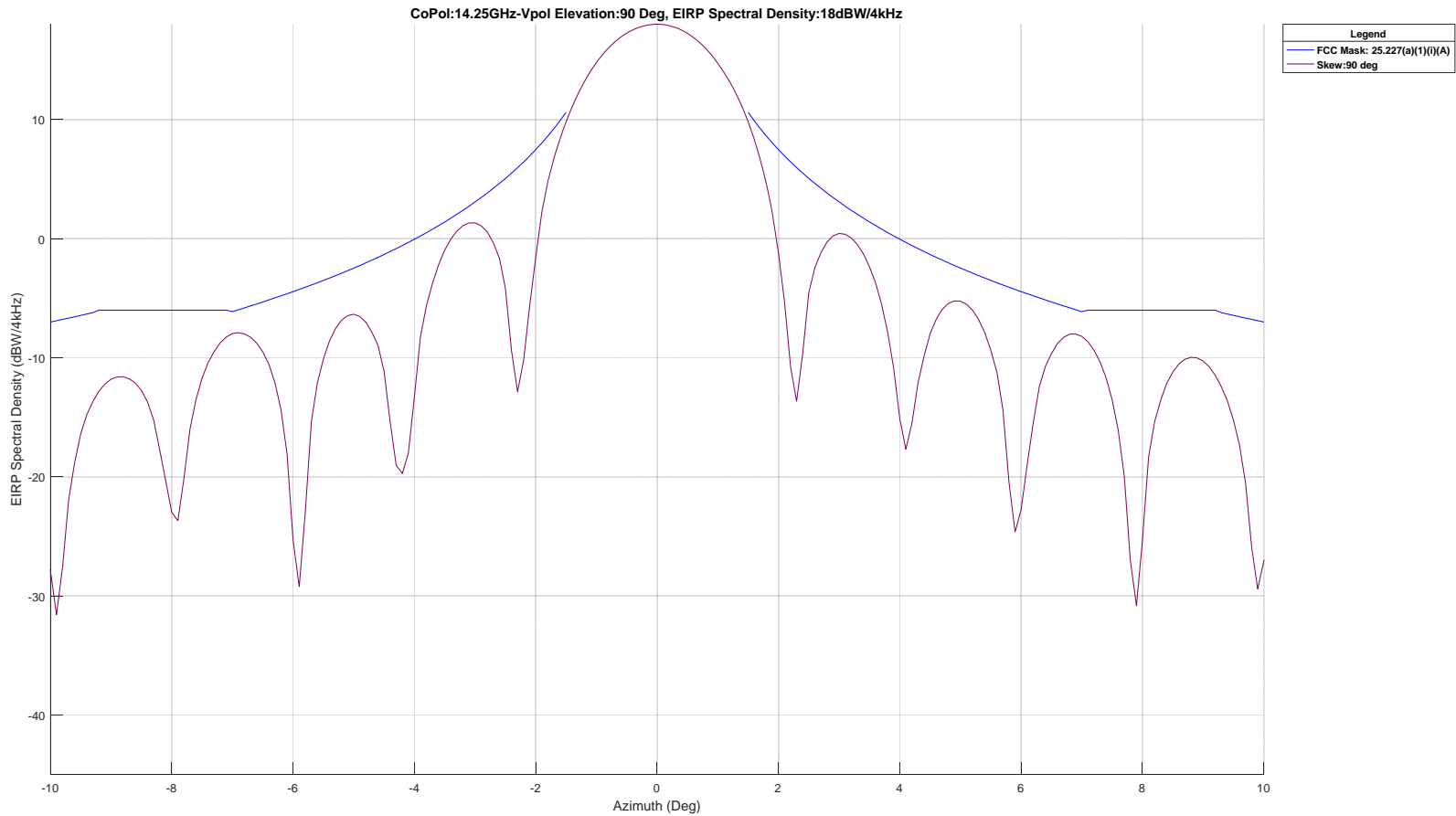
COPOL-TANGENT TO GSO PLANE:14.25GHZ-HPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:18DBW/4KHZ



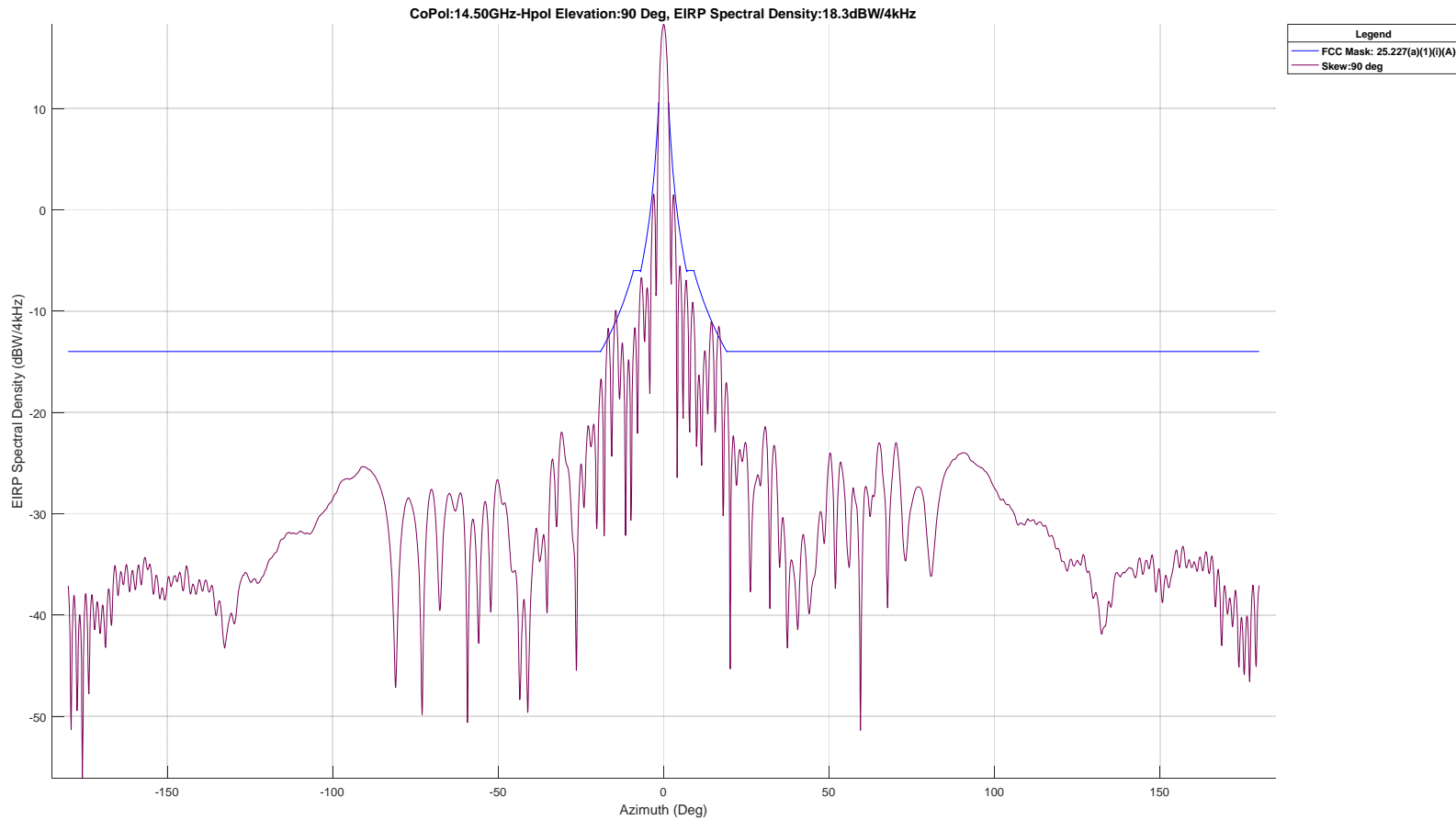
COPOL-TANGENT TO GSO PLANE:14.25GHZ-VPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:18DBW/4KHZ



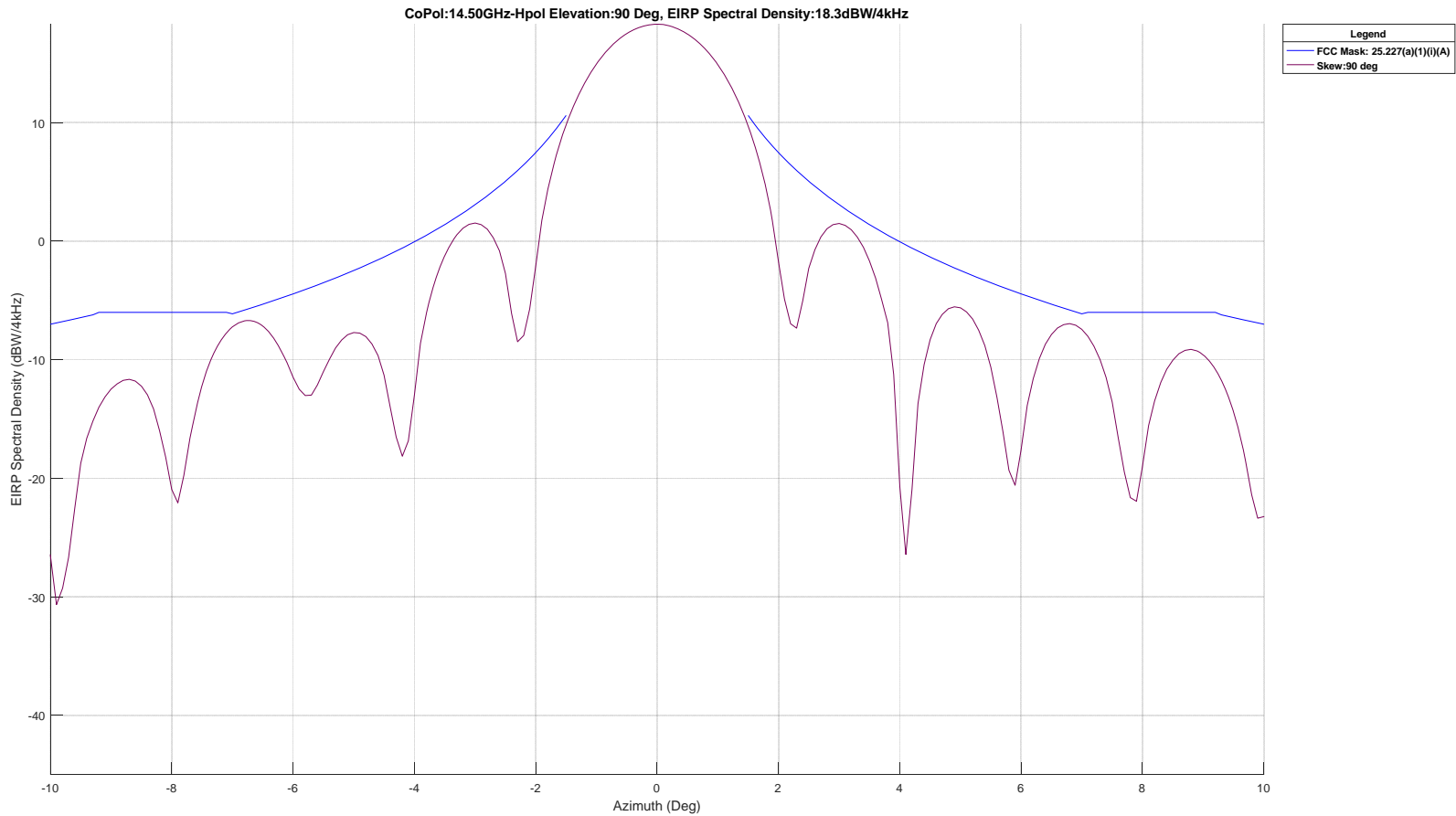
COPOL-TANGENT TO GSO PLANE:14.25GHZ-VPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:18DBW/4KHZ



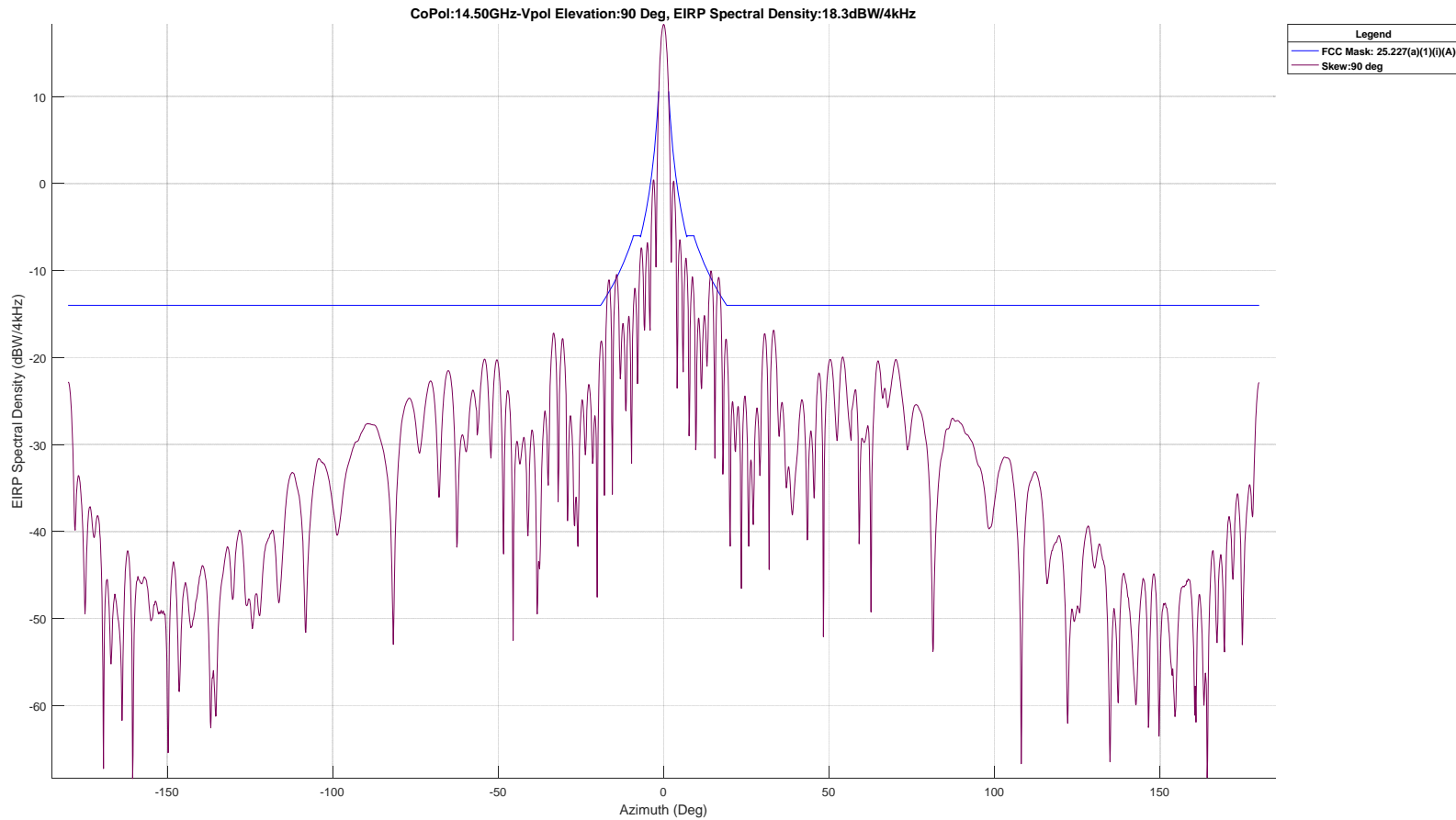
COPOL-TANGENT TO GSO PLANE:14.50GHZ-HPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:18.3DBW/4KHZ



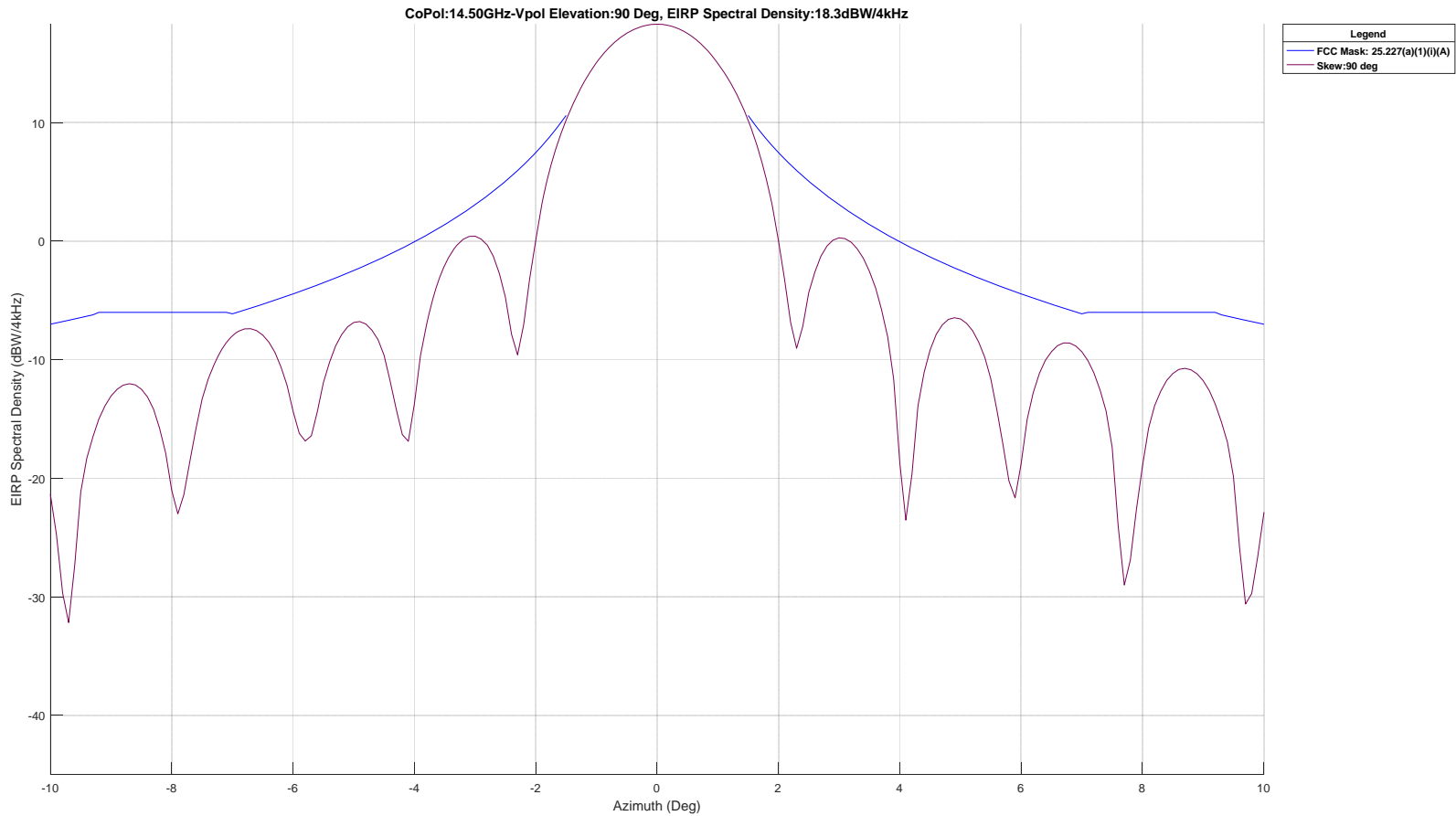
COPOL-TANGENT TO GSO PLANE:14.50GHZ-HPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:18.3DBW/4KHZ



COPOL-TANGENT TO GSO PLANE:14.50GHZ-VPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:18.3DBW/4KHZ



COPOL-TANGENT TO GSO PLANE:14.50GHZ-VPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:18.3DBW/4KHZ



GSAA EIRP SPECTRAL DENSITY
PLOTS – PERPENDICULAR PLANE
TO GSO CO POL WITH
25.227(A)(1)(I)(B) MASK



DESCRIPTION

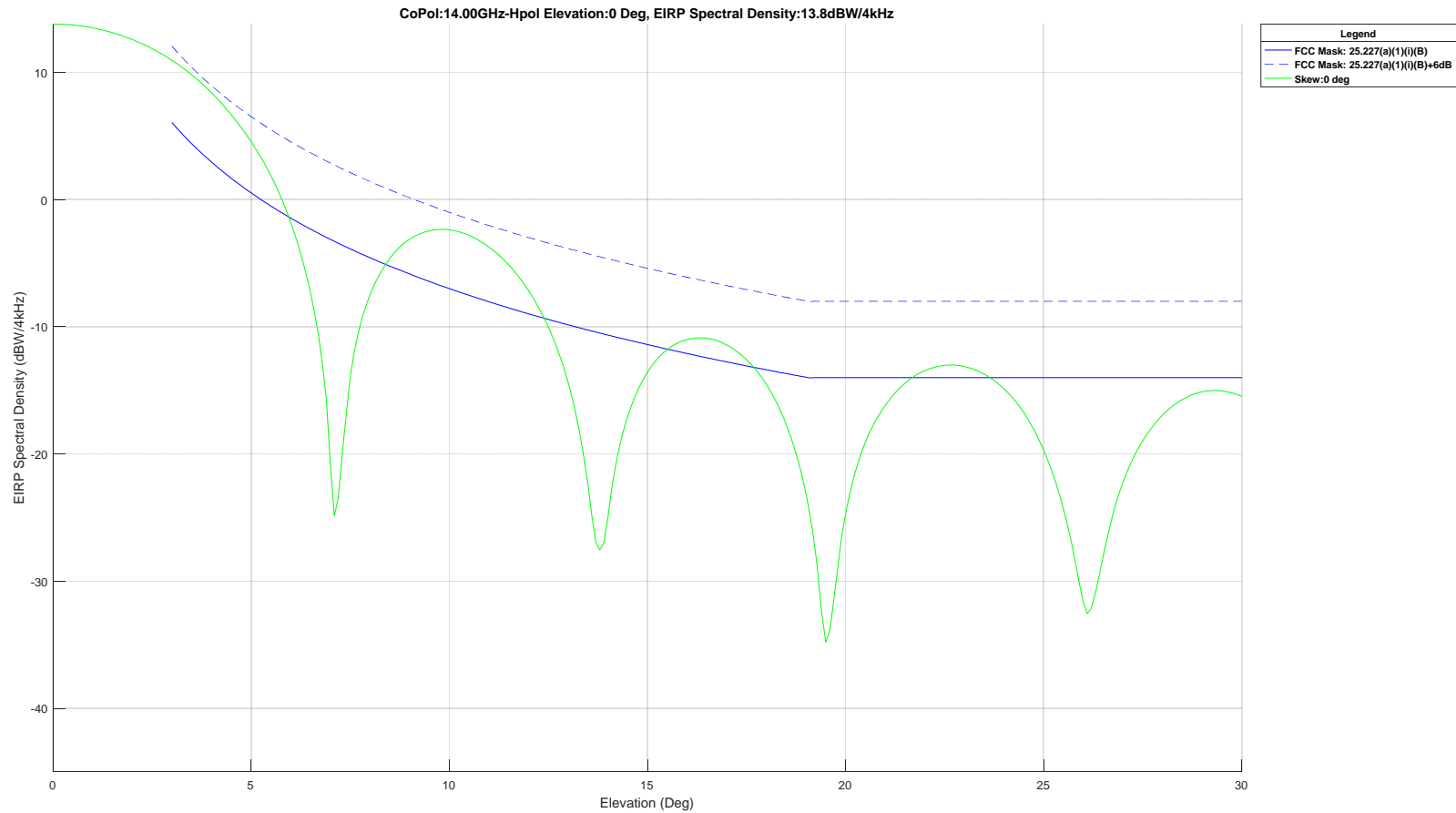
- EIRP Spectral Density plots are at 14.00 GHz, 14.25 GHz and 14.50 GHz for both vertical and horizontal polarization for the following Skew and Perpendicular Plane to GSO Angles as it is mapped to the maximum EIRP spectral density in dBW/4kHz (in **BOLD**):

DESCRIPTION

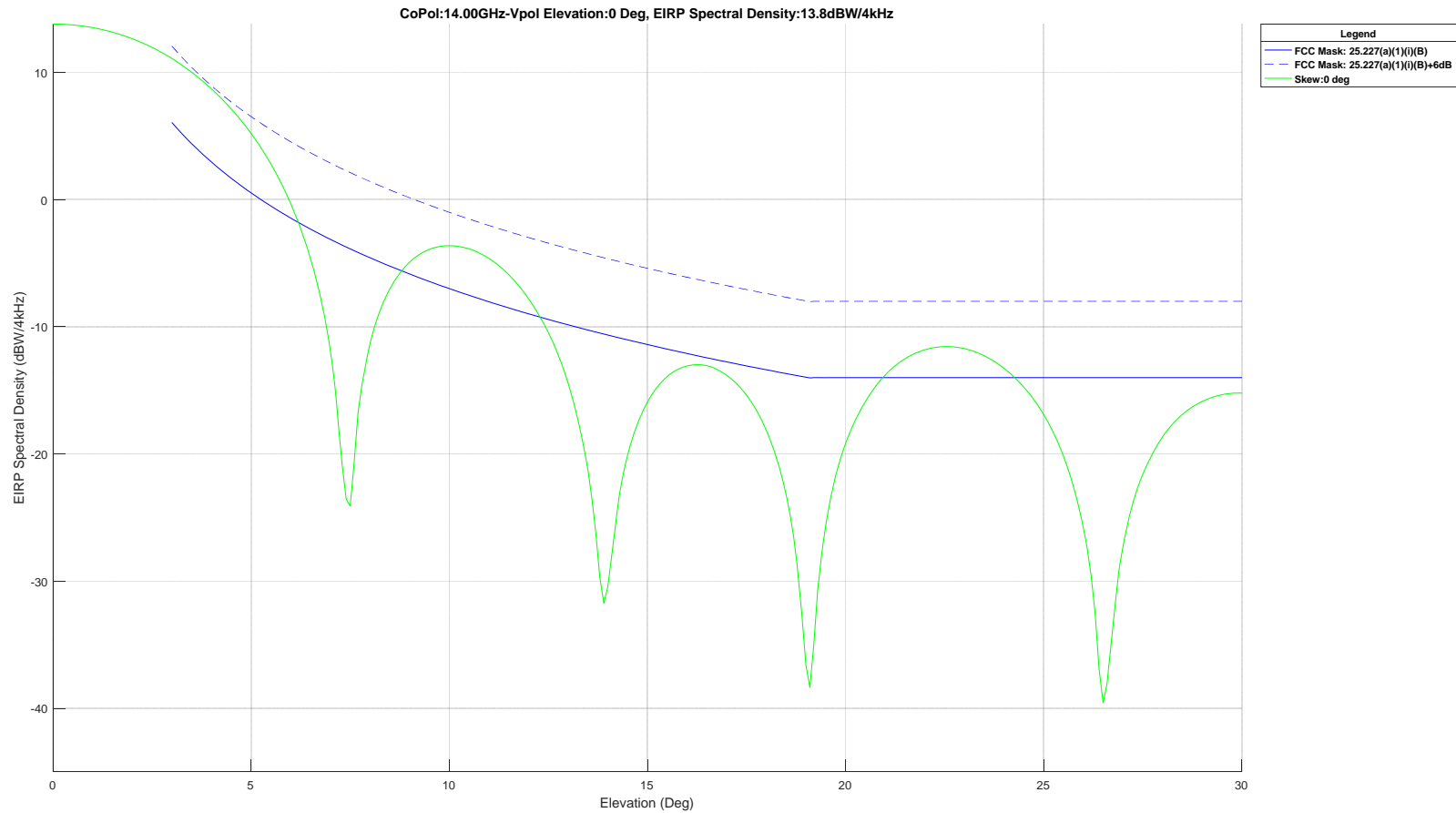
Perpendicular Plane to GSO Co Pol ESD Plots as they comply to FCC mask 25.227(a)(1)(i)(B)

| | | GSA MAXIMUM EIRP SPECTRAL DENSITY (dBW/4kHz) | | | | | | | | | | | | | | | | | |
|--------------------------|------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Elevation[deg]\Skew[deg] | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 |
| 0 | 14.3 | 14.5 | 15.2 | 16.3 | 17.6 | 19.3 | 21.4 | 22.6 | 23.2 | 24.1 | 24.9 | 25.7 | 25.1 | 25.6 | 26 | 26.7 | 26.4 | 23.3 | 21.7 |
| 5 | 14.3 | 14.5 | 15.2 | 16.3 | 17.6 | 19.3 | 21.4 | 22.6 | 23.2 | 24.1 | 24.9 | 25.7 | 25.1 | 25.6 | 26 | 26.7 | 26.4 | 23.3 | 21.7 |
| 10 | 14.3 | 14.5 | 15.2 | 16.3 | 17.6 | 19.3 | 21.4 | 22.6 | 23.2 | 24.1 | 24.9 | 25.7 | 25.1 | 25.6 | 26 | 26.7 | 26.4 | 23.3 | 21.7 |
| 15 | 14.3 | 14.3 | 14.7 | 15.7 | 16.9 | 18.4 | 20.3 | 22.6 | 22.9 | 23.6 | 24.5 | 25.4 | 25.2 | 25.3 | 26 | 26.4 | 27.2 | 24.9 | 22.3 |
| 20 | 14.3 | 14.3 | 14.7 | 15.7 | 16.9 | 18.4 | 20.3 | 22.6 | 22.9 | 23.6 | 24.5 | 25.4 | 25.2 | 25.3 | 26 | 26.4 | 27.2 | 24.9 | 22.3 |
| 25 | 14.3 | 14.3 | 14.5 | 15.2 | 16.3 | 17.6 | 19.3 | 21.4 | 22.6 | 23.2 | 24.1 | 24.9 | 25.7 | 25.1 | 25.6 | 26 | 26.7 | 26.4 | 23.3 |
| 30 | 14.3 | 14.3 | 14.5 | 15.2 | 16.3 | 17.6 | 19.3 | 21.4 | 22.6 | 23.2 | 24.1 | 24.9 | 25.7 | 25.1 | 25.6 | 26 | 26.7 | 26.4 | 23.3 |
| 35 | 14.3 | 14.3 | 14.3 | 14.7 | 15.7 | 16.9 | 18.4 | 20.3 | 22.6 | 22.9 | 23.6 | 24.5 | 25.4 | 25.2 | 25.3 | 26 | 26.4 | 27.2 | 24.9 |
| 40 | 14.3 | 14.3 | 14.3 | 14.7 | 15.7 | 16.9 | 18.4 | 20.3 | 22.6 | 22.9 | 23.6 | 24.5 | 25.4 | 25.2 | 25.3 | 26 | 26.4 | 27.2 | 24.9 |
| 45 | 14.3 | 14.3 | 14.3 | 14.5 | 15.2 | 16.3 | 17.6 | 19.3 | 21.4 | 22.6 | 23.2 | 24.1 | 24.9 | 25.7 | 25.1 | 25.6 | 26 | 26.7 | 26.4 |
| 50 | 14.3 | 14.3 | 14.3 | 14.3 | 14.7 | 15.7 | 16.9 | 18.4 | 20.3 | 22.6 | 22.9 | 23.6 | 24.5 | 25.4 | 25.2 | 25.3 | 26 | 26.4 | 27.2 |
| 55 | 14.3 | 14.3 | 14.3 | 14.3 | 14.5 | 15.2 | 16.3 | 17.6 | 19.3 | 21.4 | 22.6 | 23.2 | 24.1 | 24.9 | 25.7 | 25.1 | 25.6 | 26 | 26.7 |
| 60 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.7 | 15.7 | 16.9 | 18.4 | 20.3 | 22.6 | 22.9 | 23.6 | 24.5 | 25.4 | 25.2 | 25.3 | 26 | 26.4 |
| 65 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.5 | 15.2 | 16.3 | 17.6 | 19.3 | 21.4 | 22.6 | 23.2 | 24.1 | 24.9 | 25.7 | 25.1 | 25.6 |
| 70 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.7 | 15.7 | 16.9 | 18.4 | 19.3 | 22.6 | 22.9 | 23.2 | 24.5 | 25.4 | 25.2 |
| 75 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.5 | 15.2 | 16.3 | 17.6 | 19.3 | 21.4 | 22.6 |
| 80 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 |
| 85 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 |
| 90 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 |

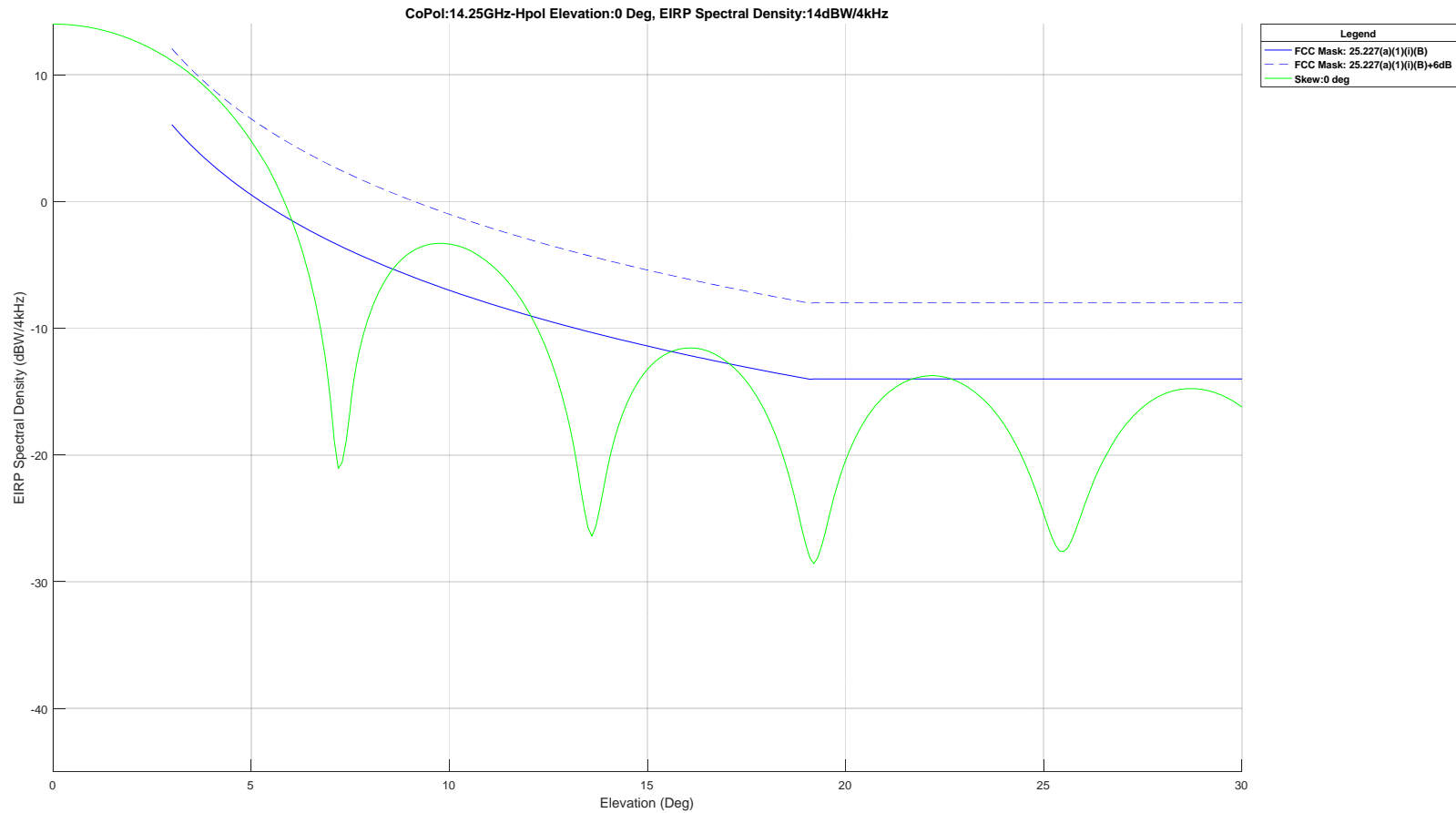
COPOL-PERPENDICULAR TO GSO PLANE:14.00GHZ-HPOL ELEVATION:0 DEG, EIRP SPECTRAL DENSITY:13.8DBW/4KHZ



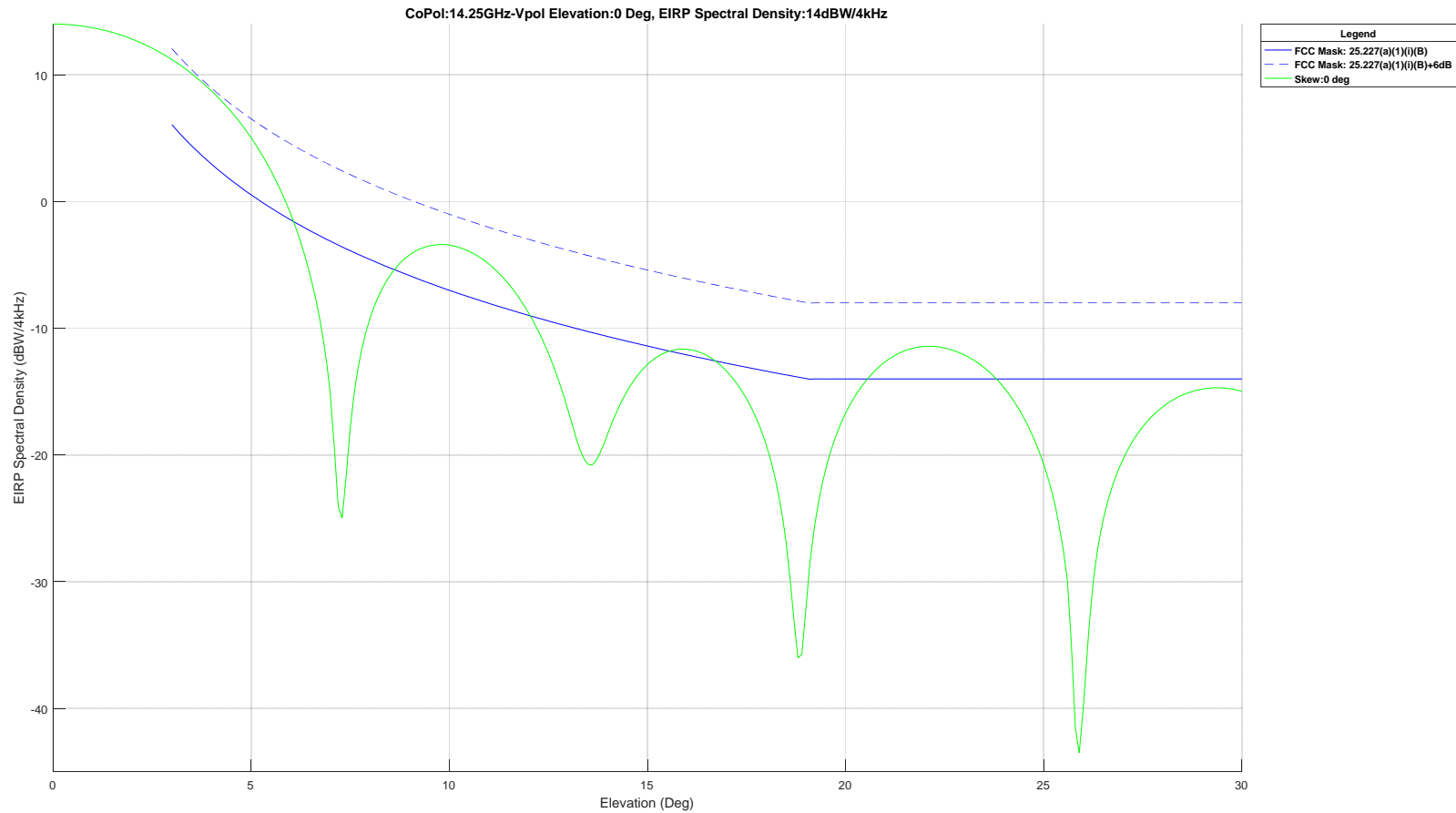
COPOL-PERPENDICULAR TO GSO PLANE:14.00GHZ-VPOL ELEVATION:0 DEG, EIRP SPECTRAL DENSITY:13.8DBW/4KHZ



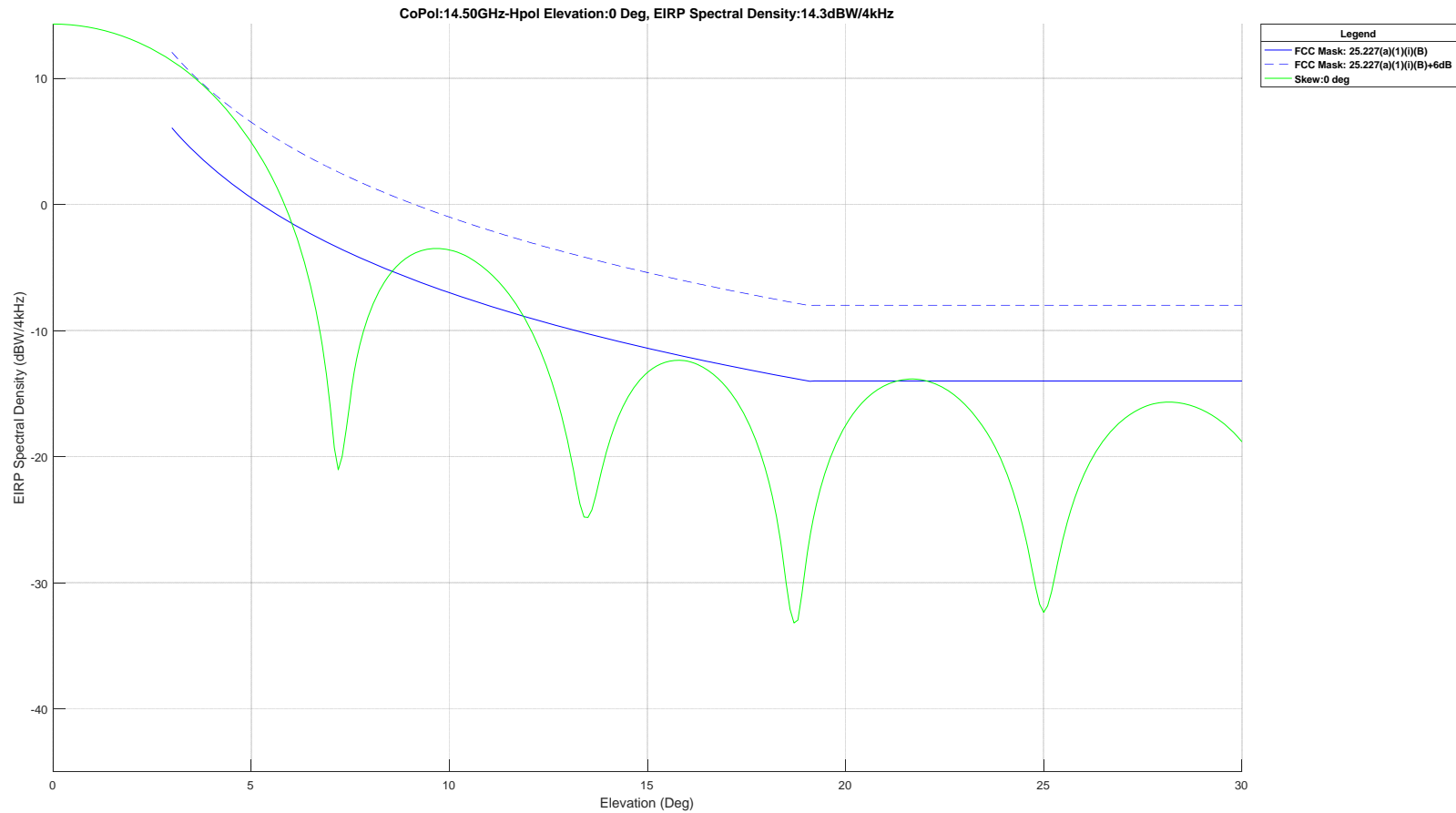
COPOL-PERPENDICULAR TO GSO PLANE:14.25GHZ-HPOL ELEVATION:0 DEG, EIRP SPECTRAL DENSITY:14DBW/4KHZ



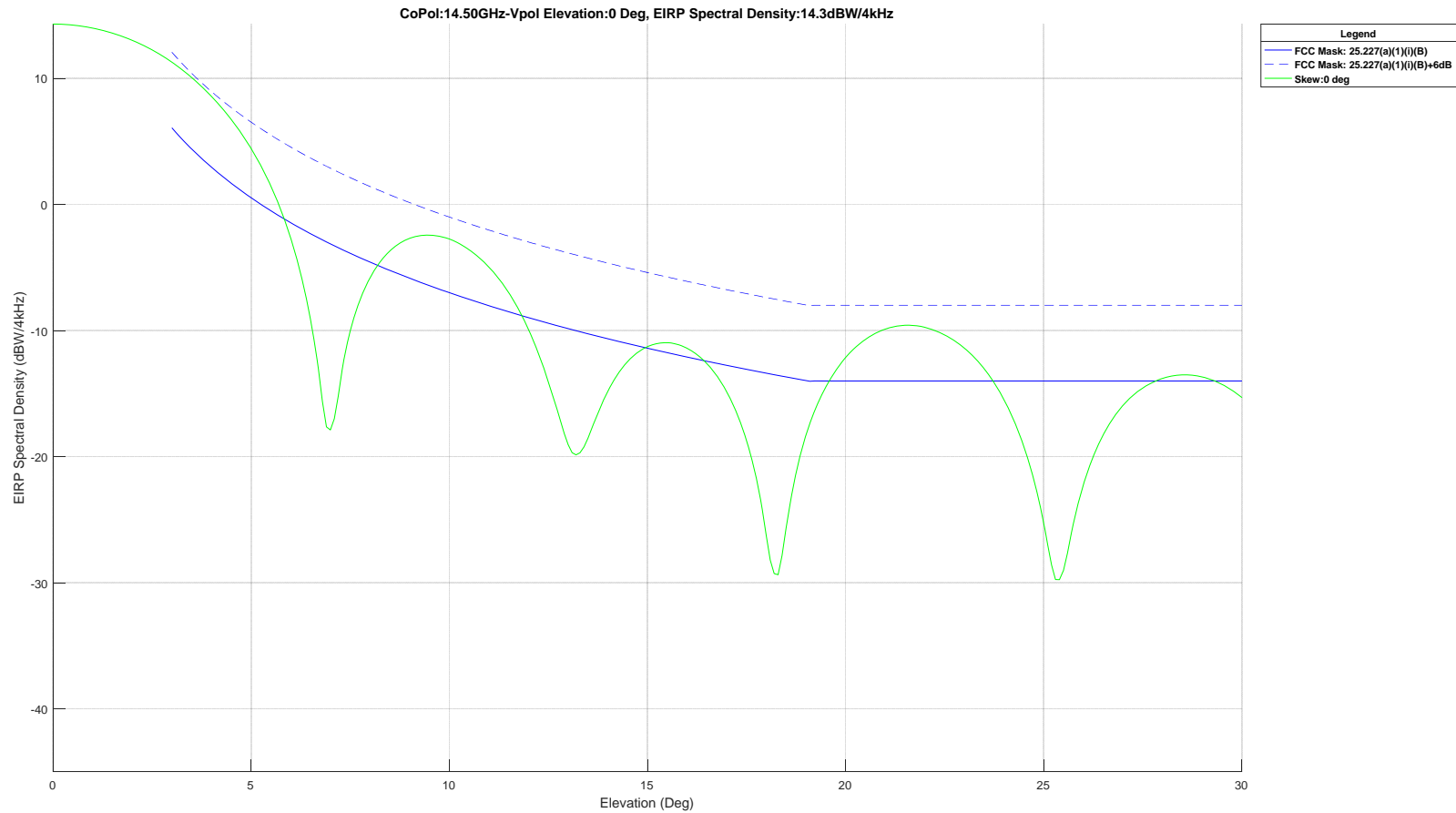
COPOL-PERPENDICULAR TO GSO PLANE:14.25GHZ-VPOL ELEVATION:0 DEG, EIRP SPECTRAL DENSITY:14DBW/4KHZ



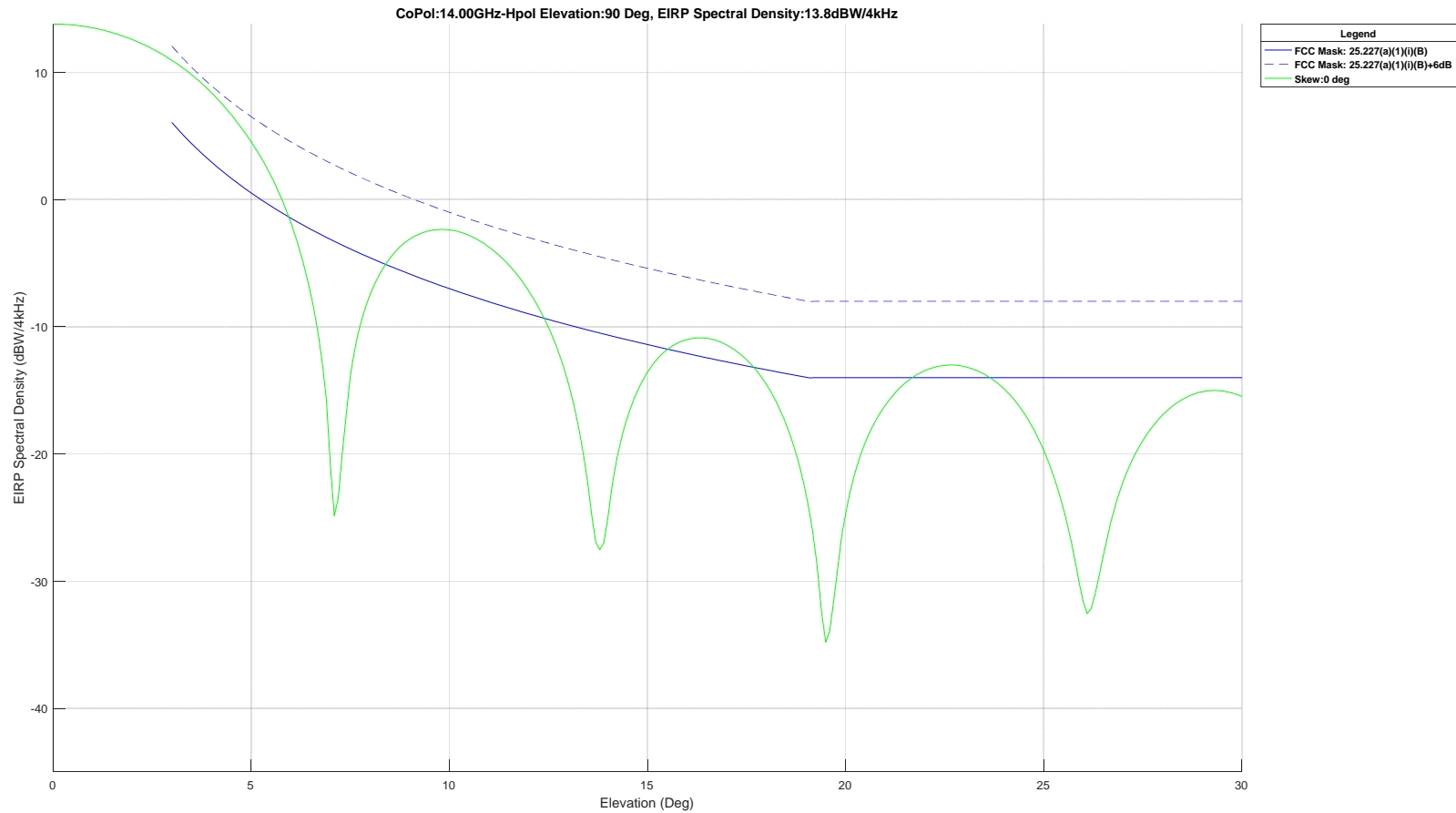
COPOL-PERPENDICULAR TO GSO PLANE:14.50GHZ-HPOL ELEVATION:0 DEG, EIRP SPECTRAL DENSITY:14.3DBW/4KHZ



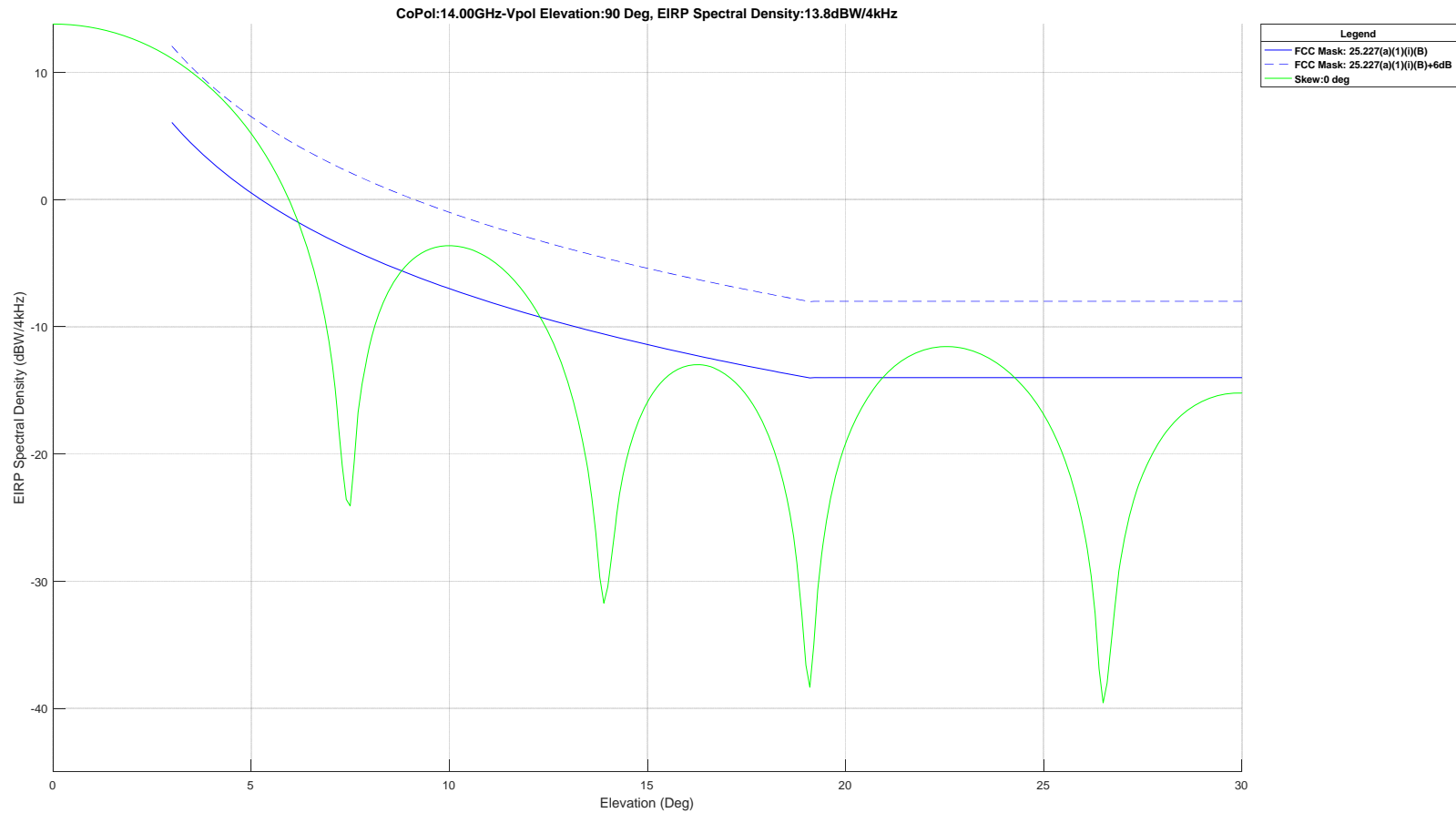
COPOL-PERPENDICULAR TO GSO PLANE:14.50GHZ-VPOL ELEVATION:0 DEG, EIRP SPECTRAL DENSITY:14.3DBW/4KHZ



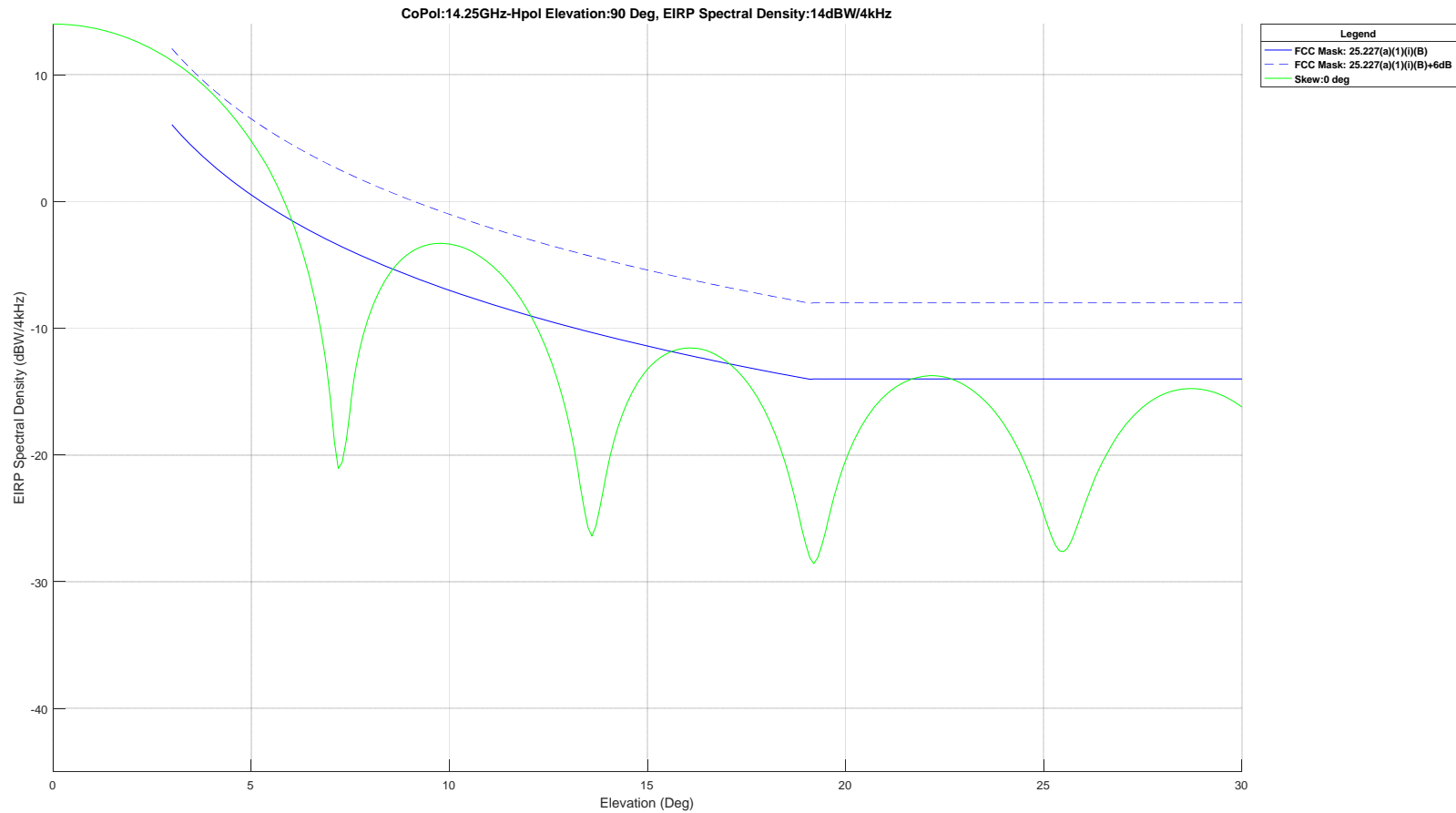
COPOL-PERPENDICULAR TO GSO PLANE:14.00GHZ-HPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:13.8DBW/4KHZ



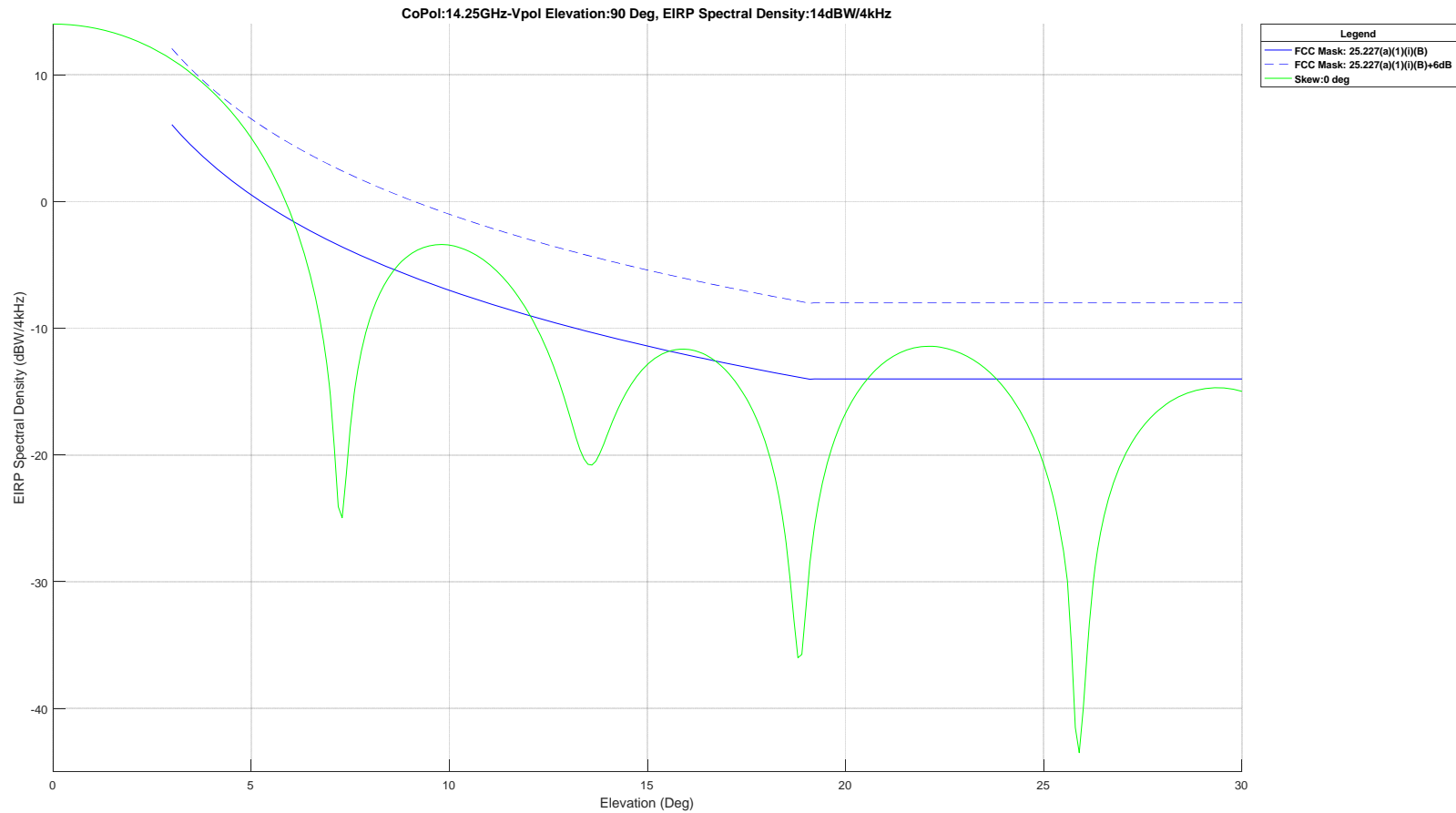
COPOL-PERPENDICULAR TO GSO PLANE:14.00GHZ-VPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:13.8DBW/4KHZ



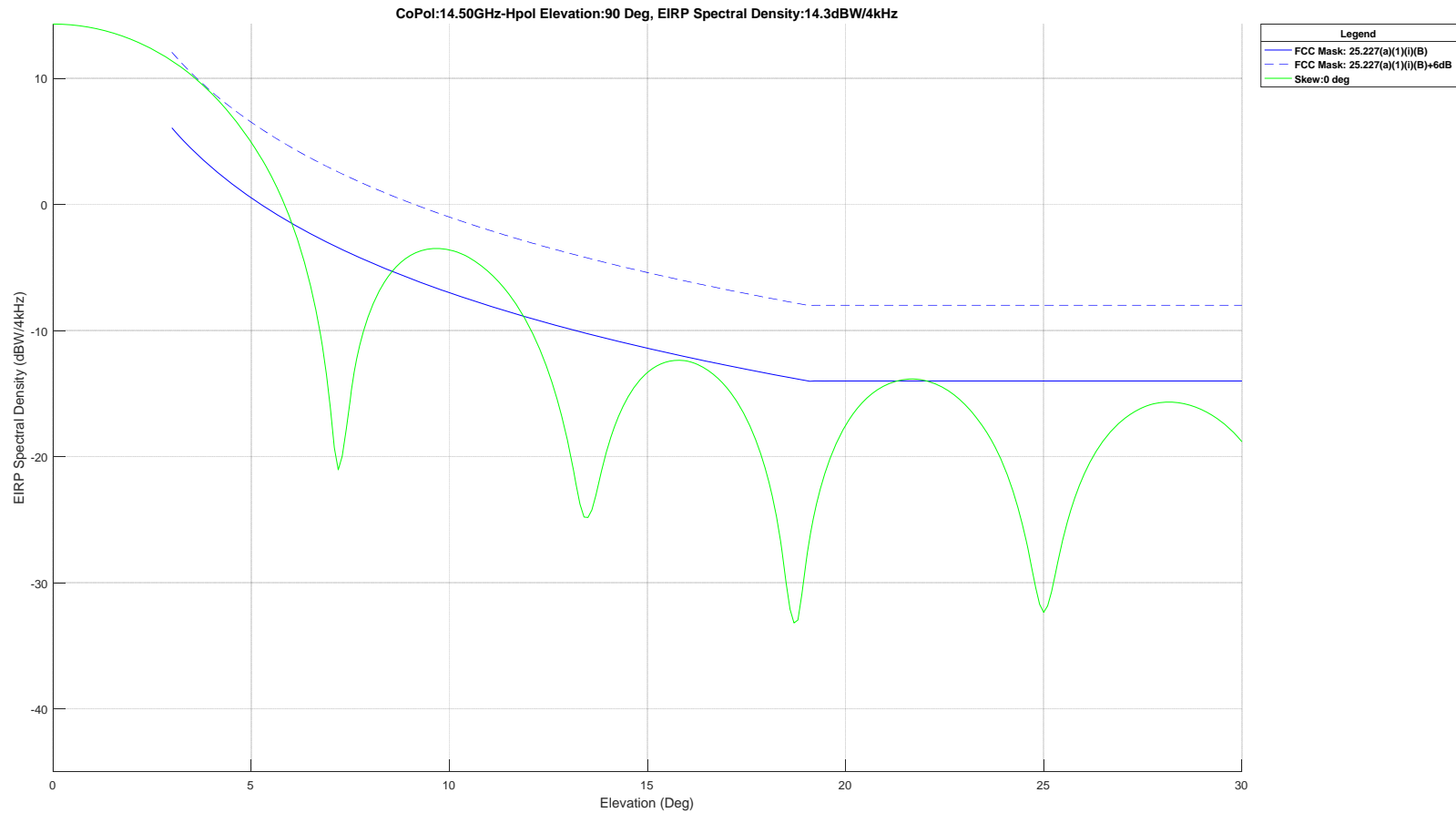
COPOL-PERPENDICULAR TO GSO PLANE:14.25GHZ-HPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:14DBW/4KHZ



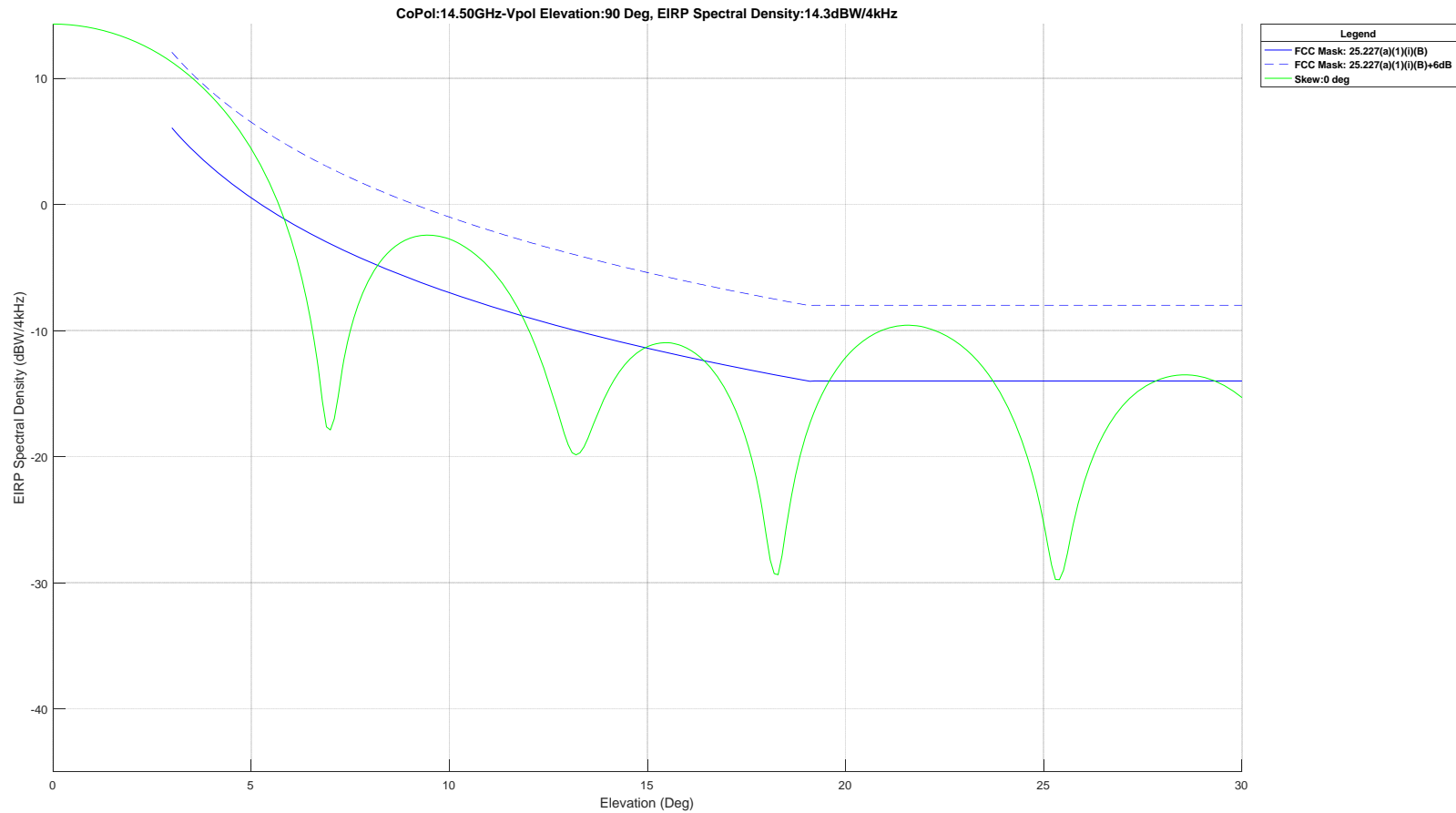
COPOL-PERPENDICULAR TO GSO PLANE:14.25GHZ-VPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:14DBW/4KHZ



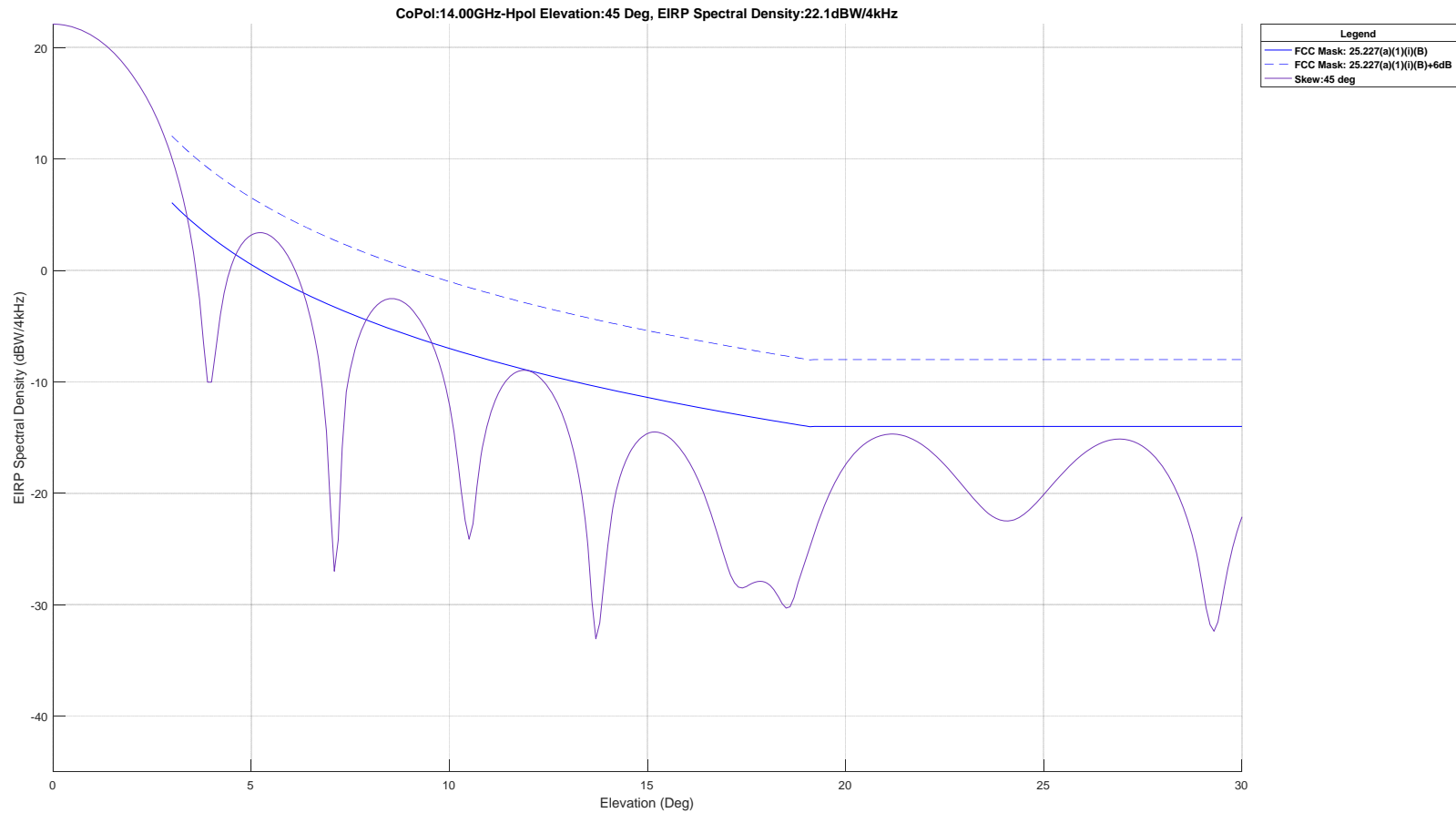
COPOL-PERPENDICULAR TO GSO PLANE:14.50GHZ-HPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:14.3DBW/4KHZ



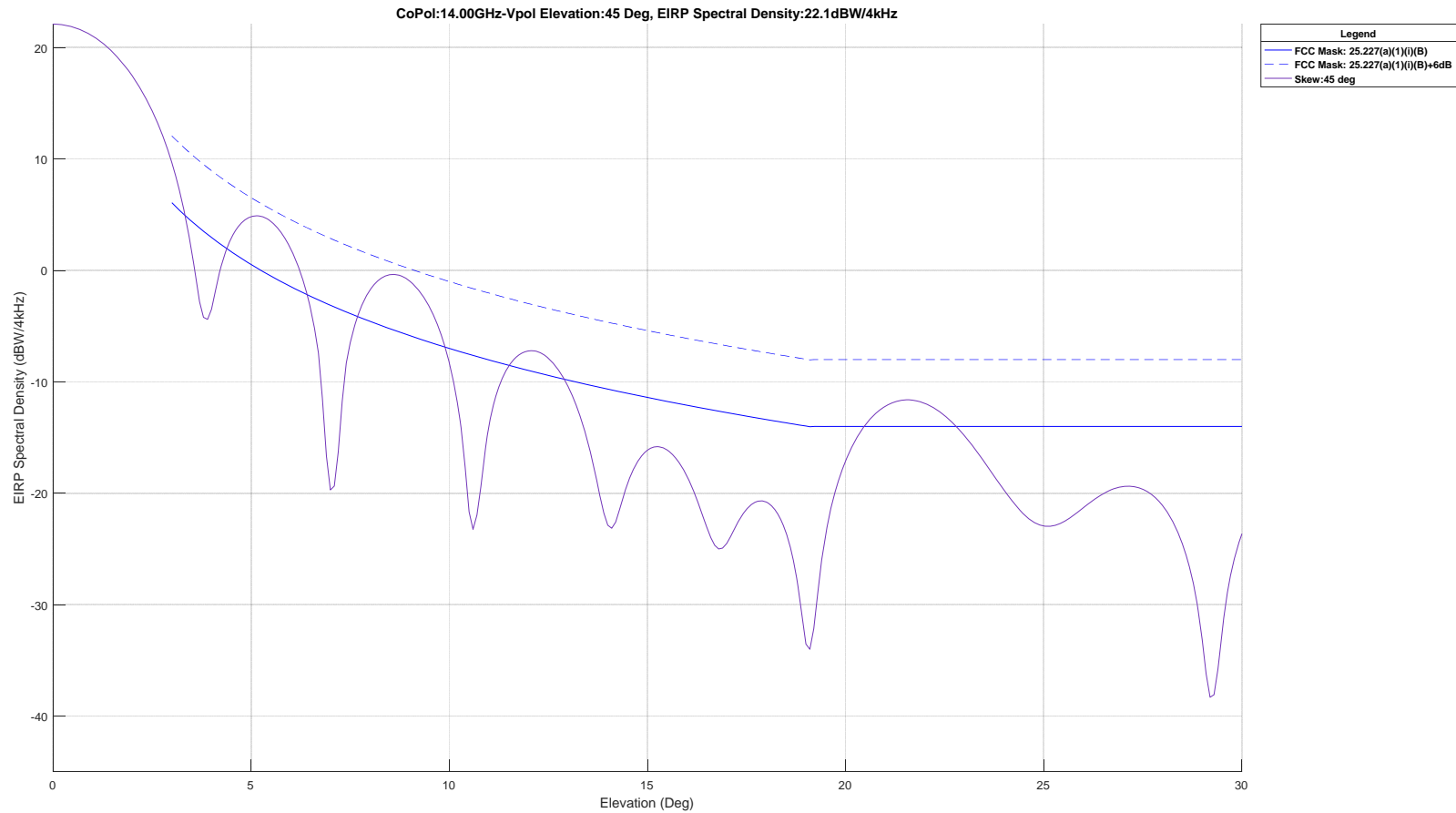
COPOL-PERPENDICULAR TO GSO PLANE:14.50GHZ-VPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:14.3DBW/4KHZ



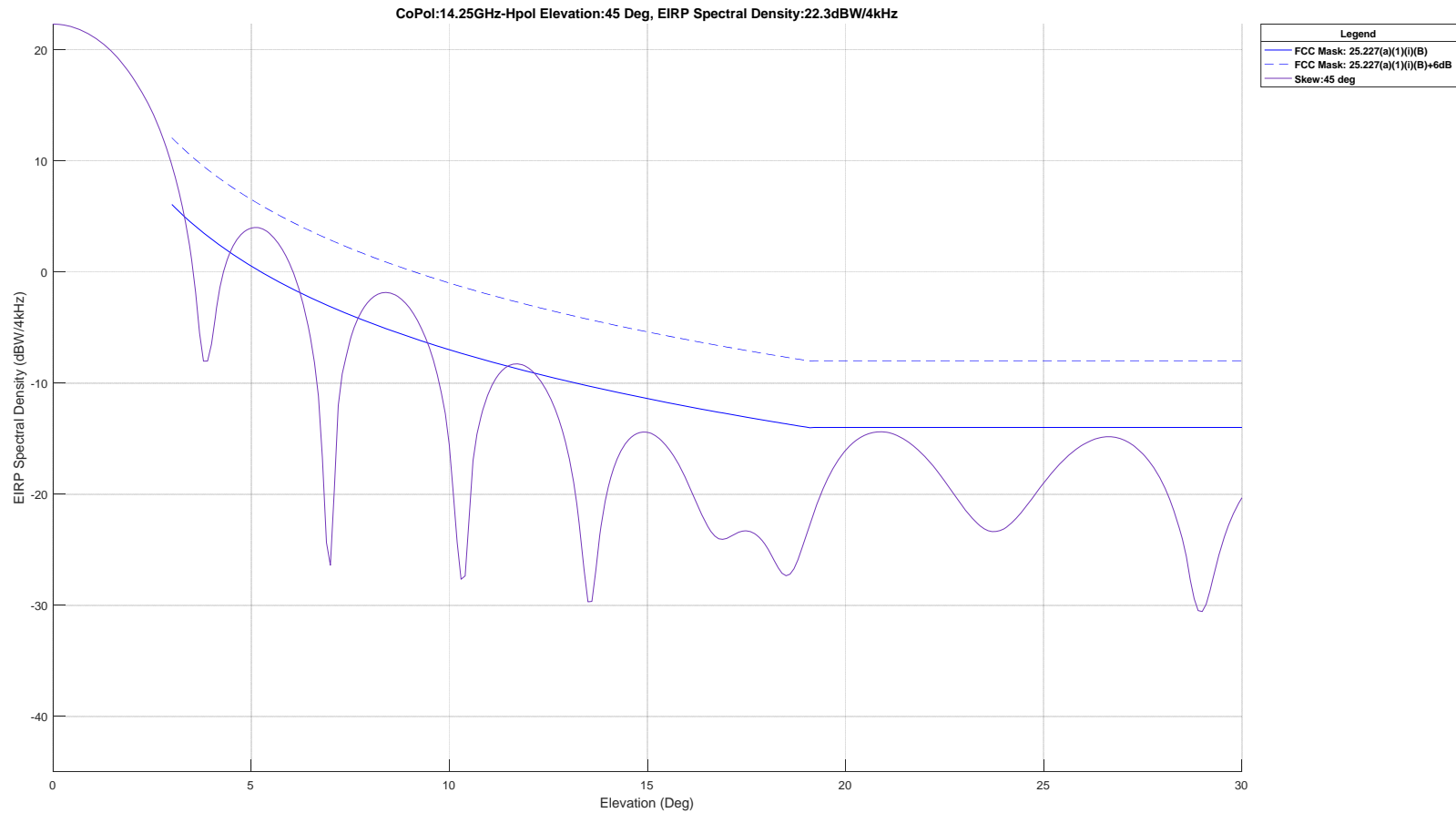
COPOL-PERPENDICULAR TO GSO PLANE:14.00GHZ-HPOL ELEVATION:45 DEG, EIRP SPECTRAL DENSITY:22.1DBW/4KHZ



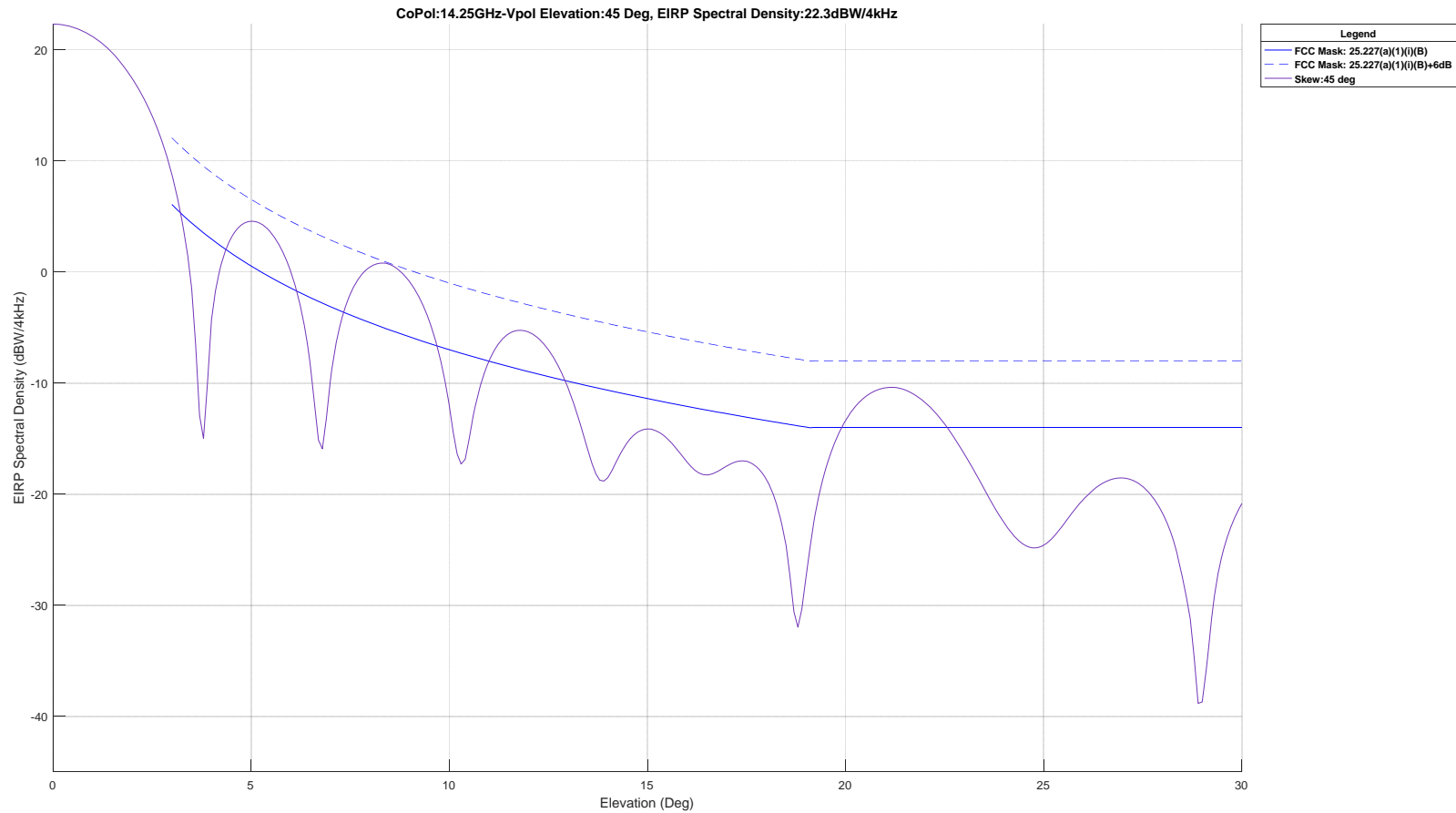
COPOL-PERPENDICULAR TO GSO PLANE:14.00GHZ-VPOL ELEVATION:45 DEG, EIRP SPECTRAL DENSITY:22.1DBW/4KHZ



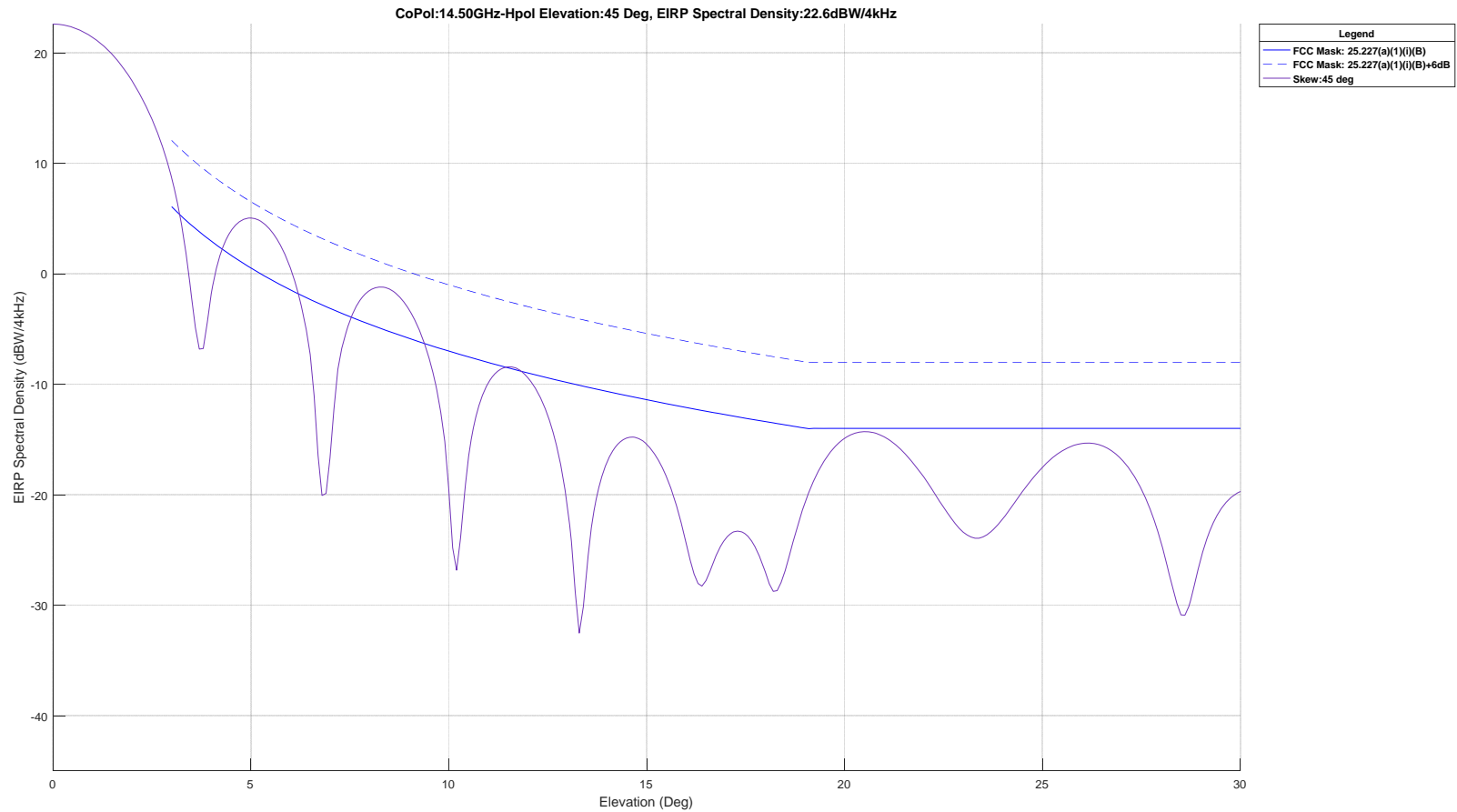
COPOL-PERPENDICULAR TO GSO PLANE:14.25GHZ-HPOL ELEVATION:45 DEG, EIRP SPECTRAL DENSITY:22.3DBW/4KHZ



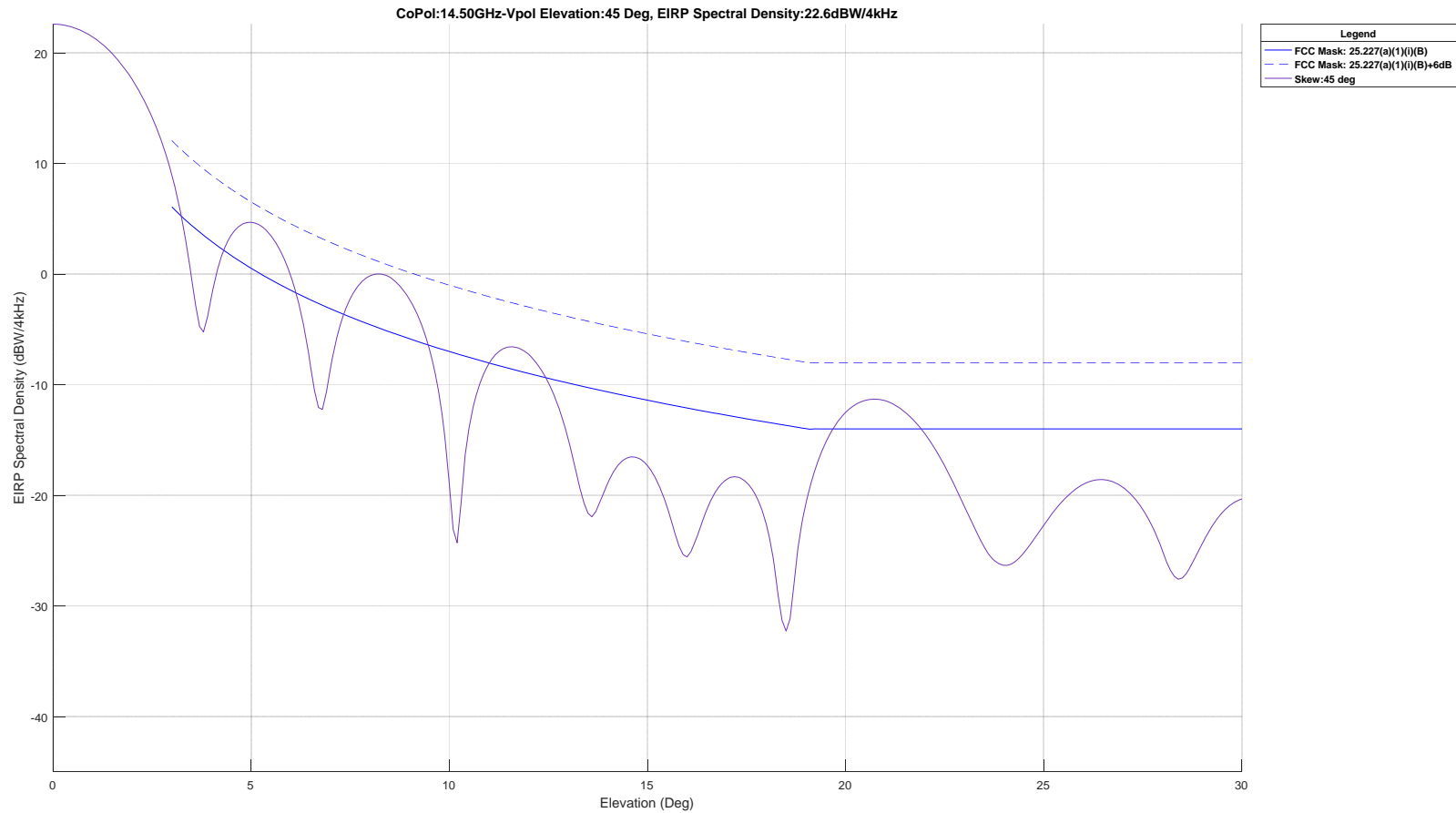
COPOL-PERPENDICULAR TO GSO PLANE:14.25GHZ-VPOL ELEVATION:45 DEG, EIRP SPECTRAL DENSITY:22.3DBW/4KHZ



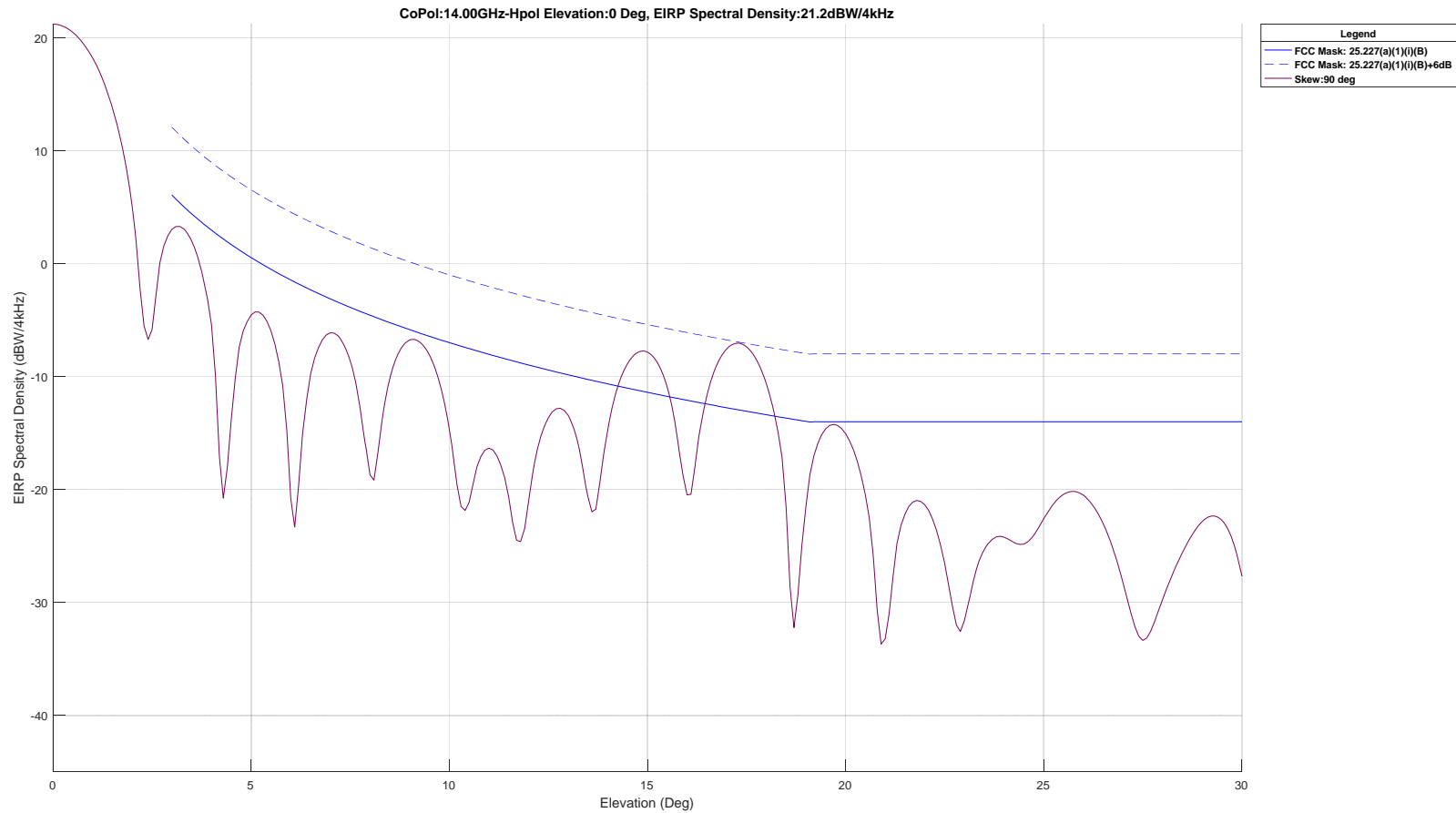
COPOL-PERPENDICULAR TO GSO PLANE:14.50GHZ-HPOL ELEVATION:45 DEG, EIRP SPECTRAL DENSITY:22.6DBW/4KHZ



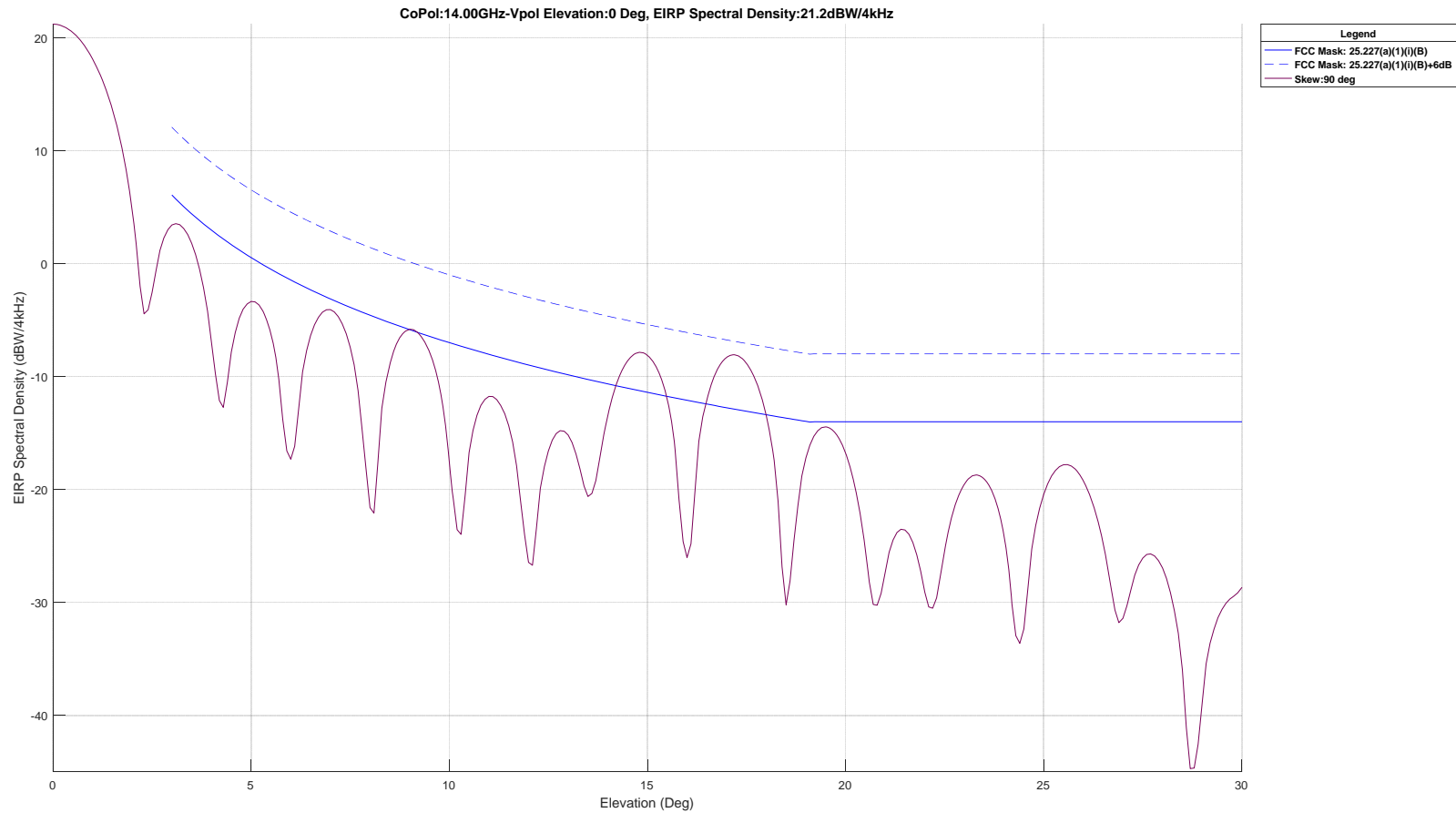
COPOL-PERPENDICULAR TO GSO PLANE:14.50GHZ-VPOL ELEVATION:45 DEG, EIRP SPECTRAL DENSITY:22.6DBW/4KHZ



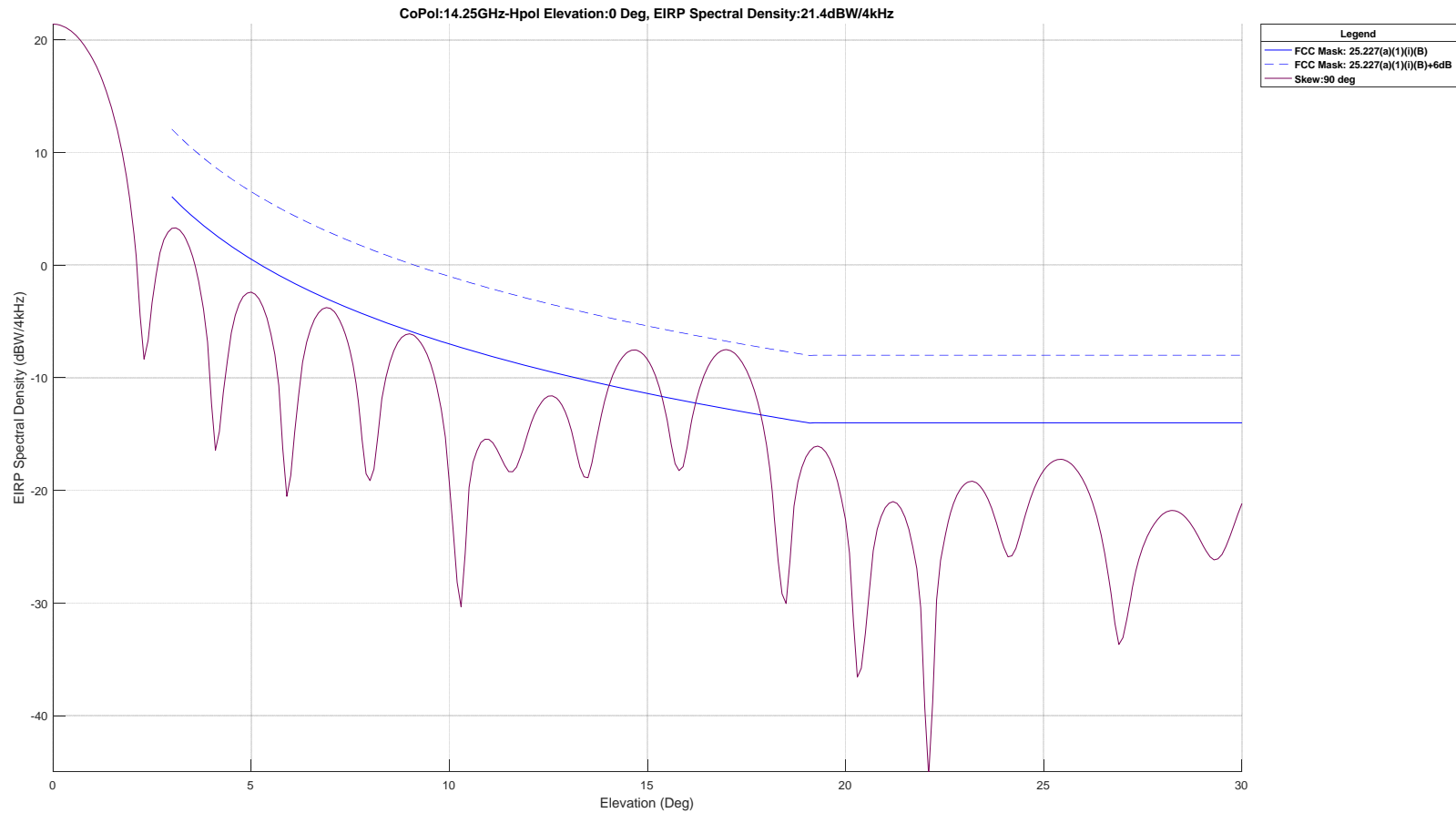
COPOL-PERPENDICULAR TO GSO PLANE:14.00GHZ-HPOL ELEVATION:0 DEG, EIRP SPECTRAL DENSITY:21.2DBW/4KHZ



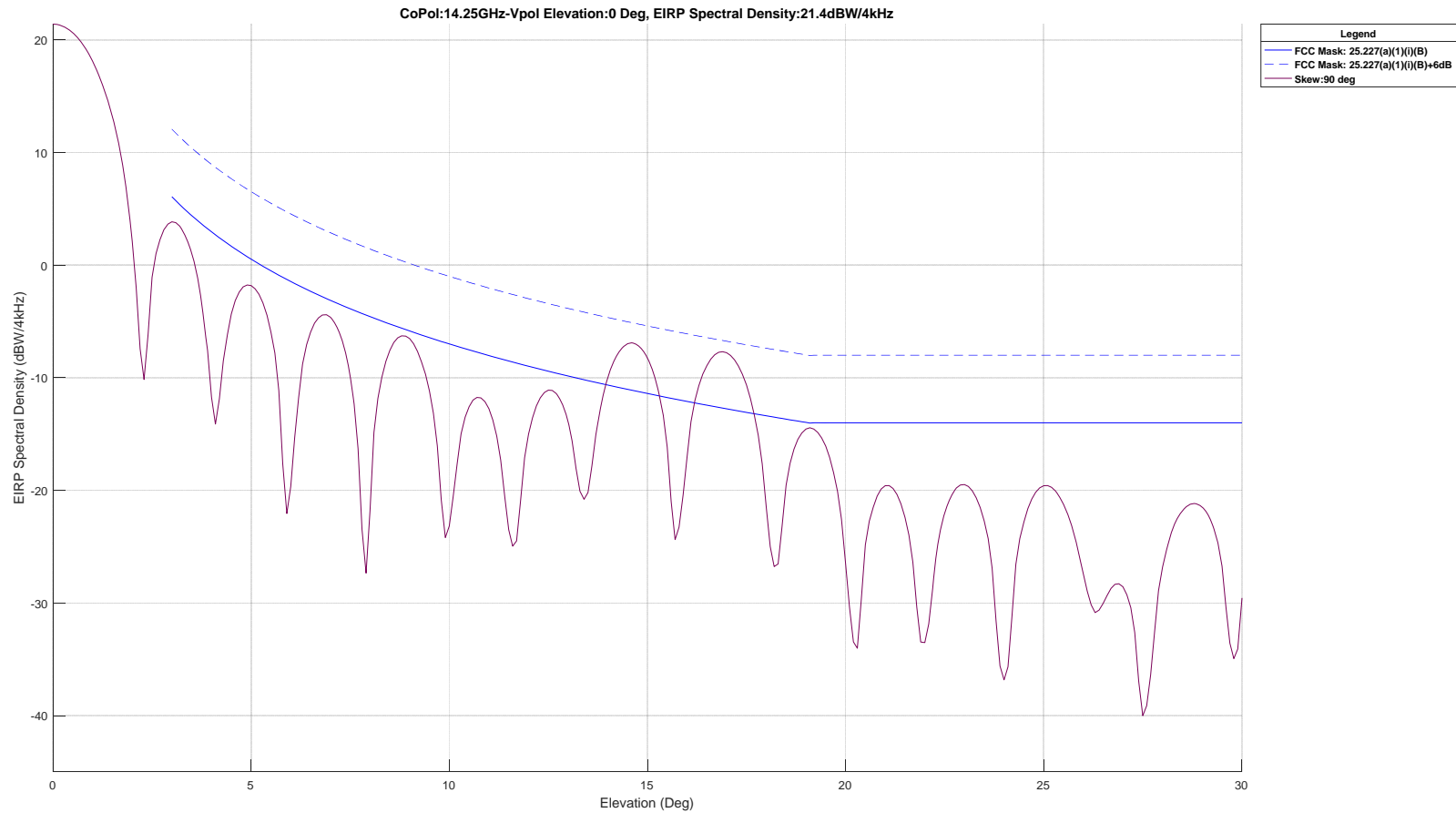
COPOL-PERPENDICULAR TO GSO PLANE:14.00GHZ-VPOL ELEVATION:0 DEG, EIRP SPECTRAL DENSITY:21.2DBW/4KHZ



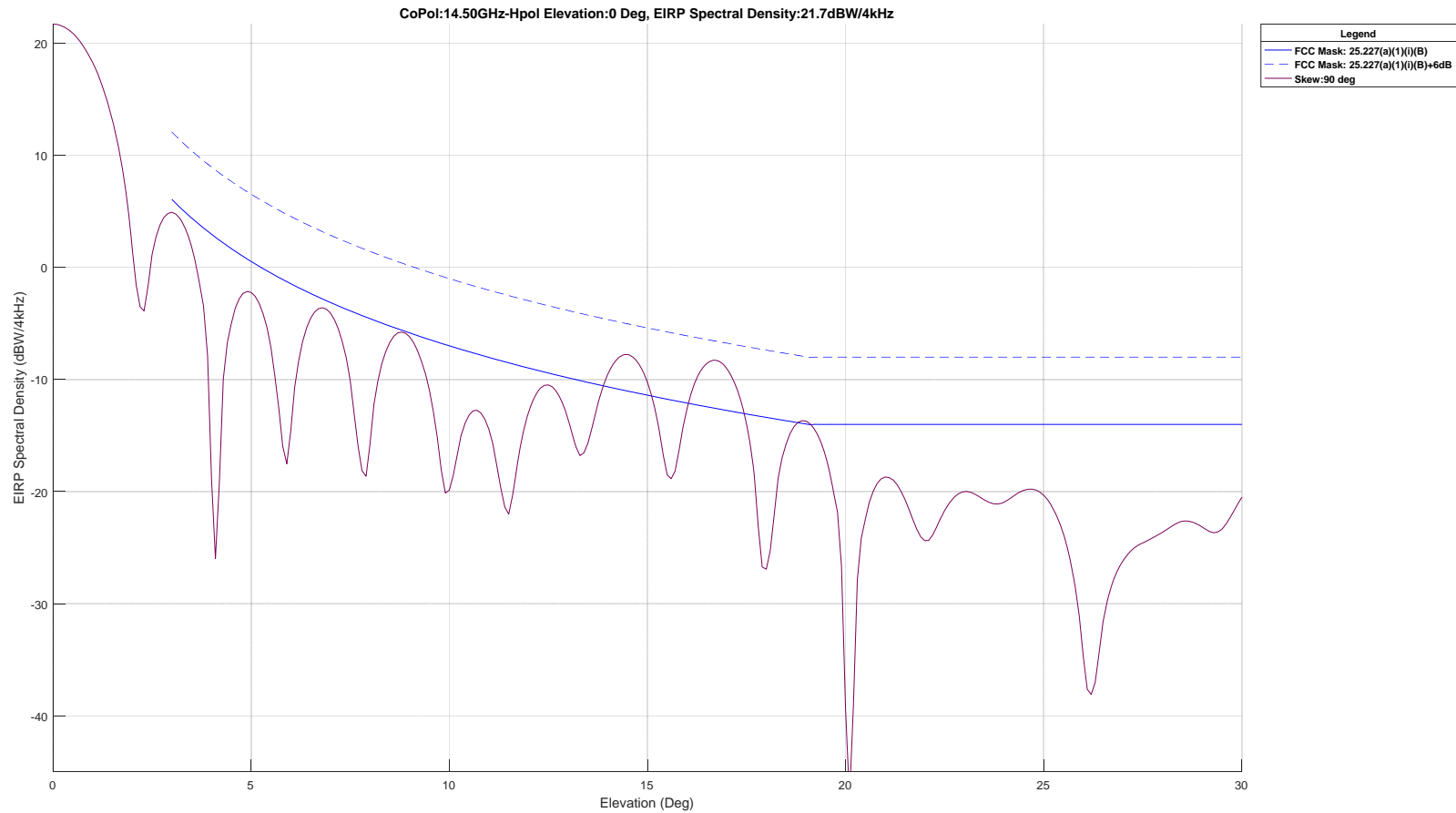
COPOL-PERPENDICULAR TO GSO PLANE:14.25GHZ-HPOL ELEVATION:0 DEG, EIRP SPECTRAL DENSITY:21.4DBW/4KHZ



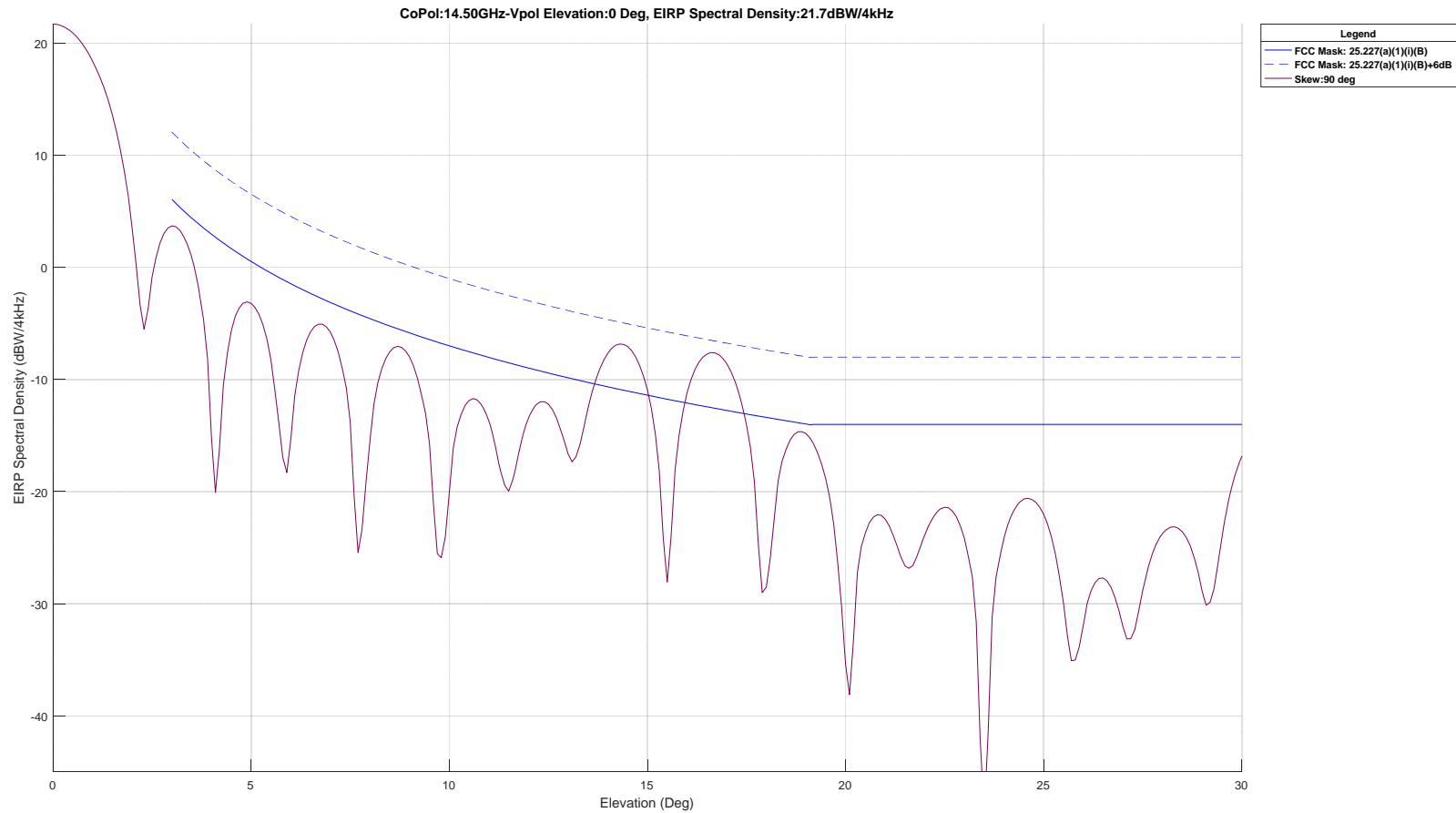
COPOL-PERPENDICULAR TO GSO PLANE:14.25GHZ-VPOL ELEVATION:0 DEG, EIRP SPECTRAL DENSITY:21.4DBW/4KHZ



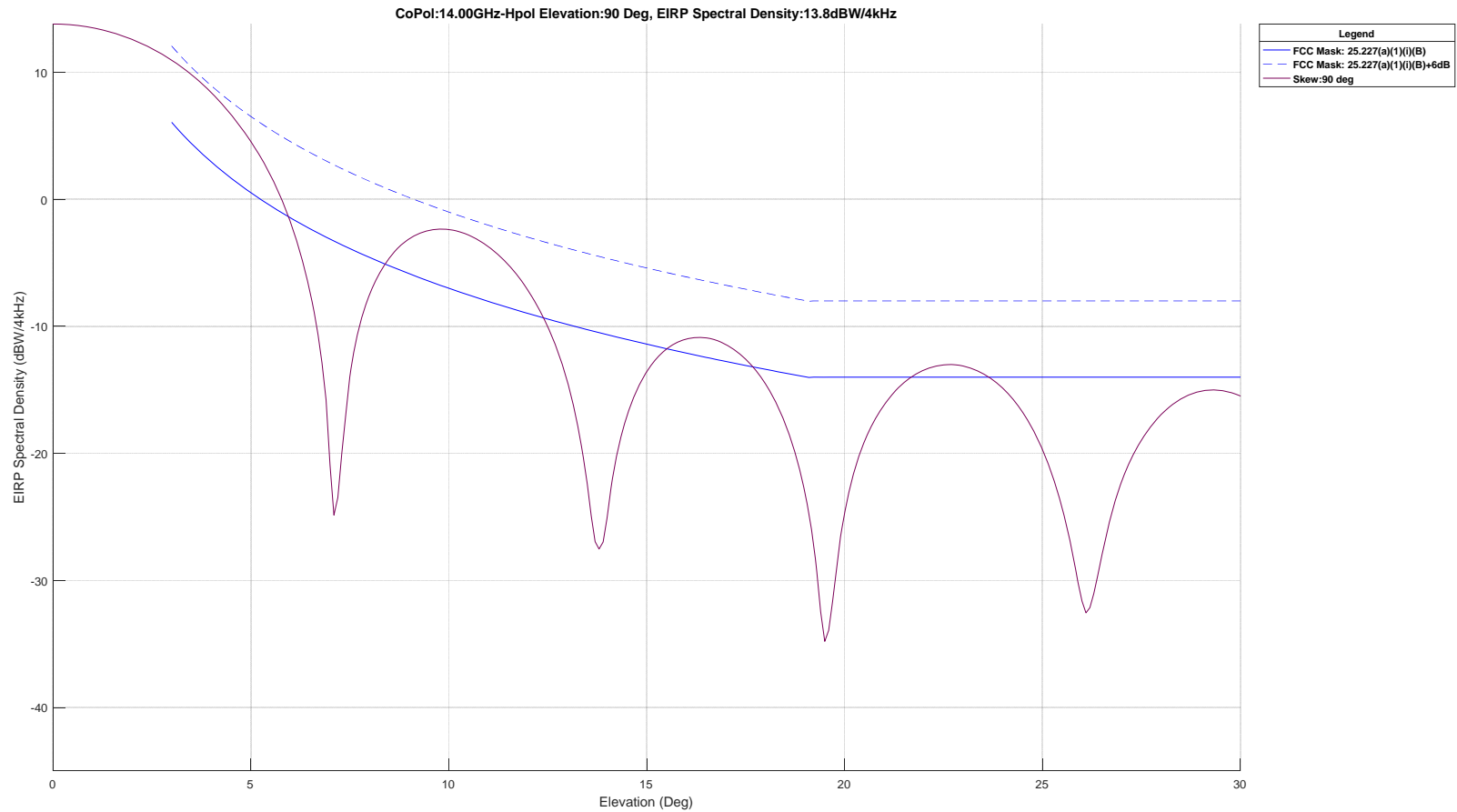
COPOL-PERPENDICULAR TO GSO PLANE:14.50GHZ-HPOL ELEVATION:0 DEG, EIRP SPECTRAL DENSITY:21.7DBW/4KHZ



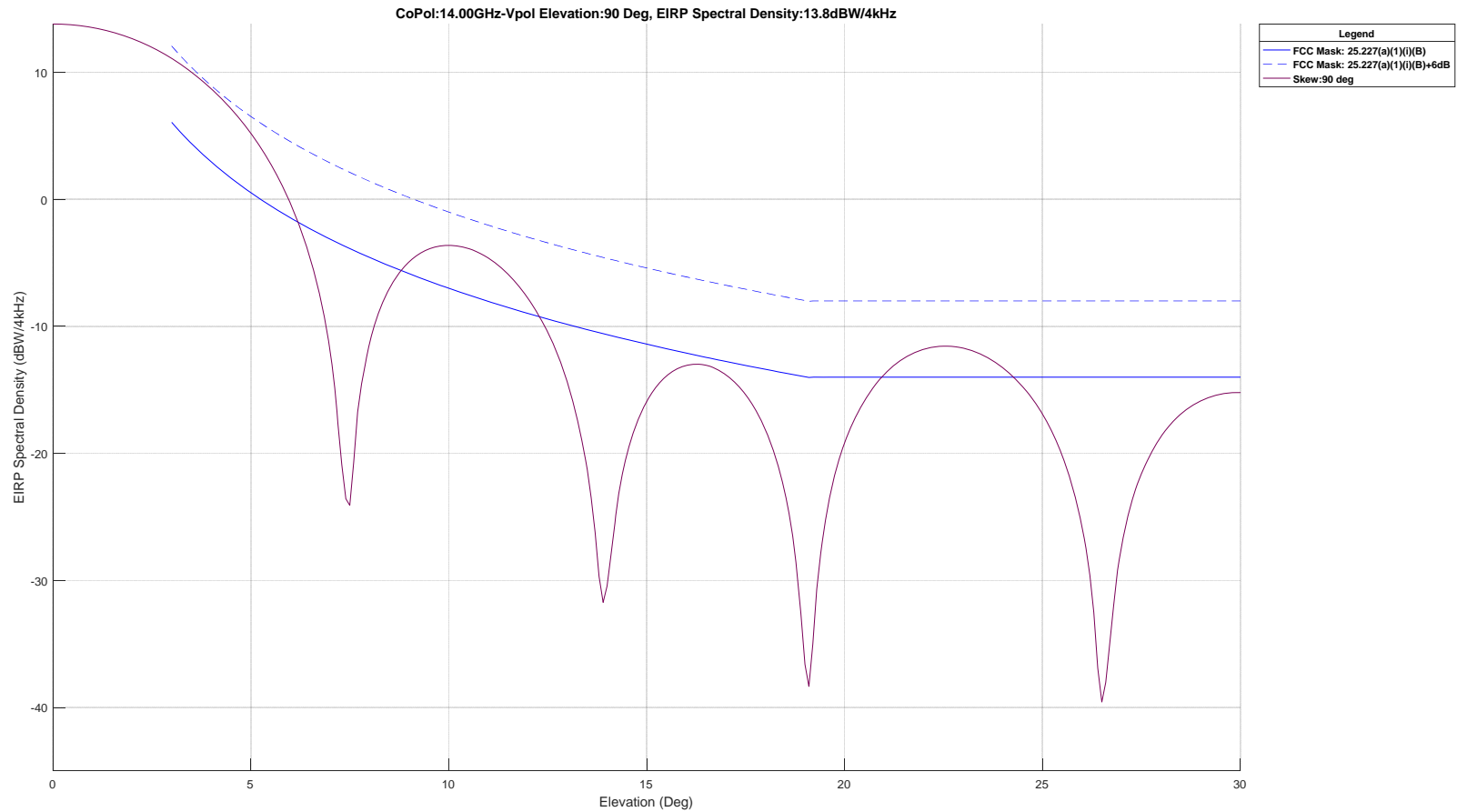
COPOL-PERPENDICULAR TO GSO PLANE:14.50GHZ-VPOL ELEVATION:0 DEG, EIRP SPECTRAL DENSITY:21.7DBW/4KHZ



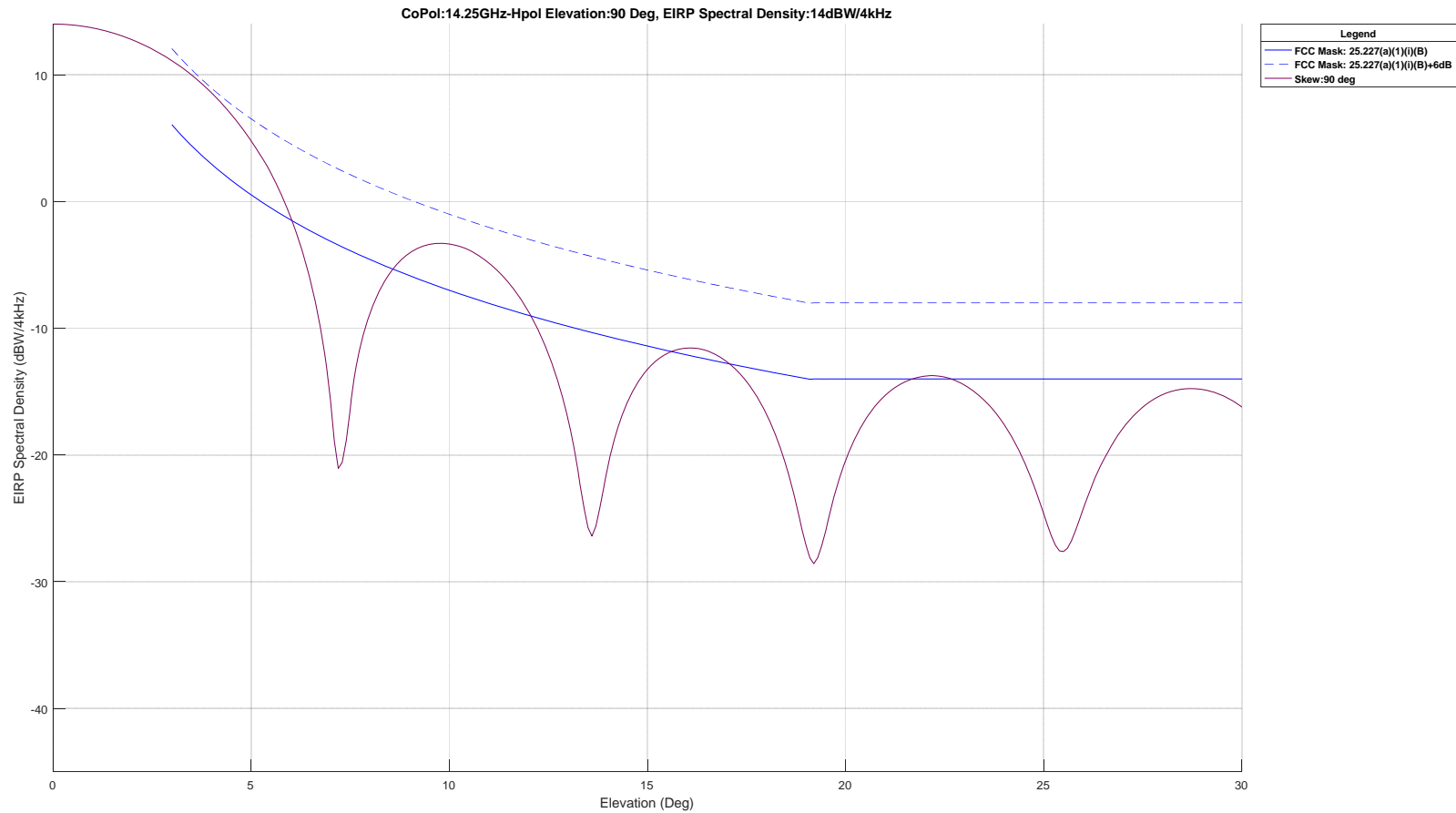
COPOL-PERPENDICULAR TO GSO PLANE:14.00GHZ-HPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:13.8DBW/4KHZ



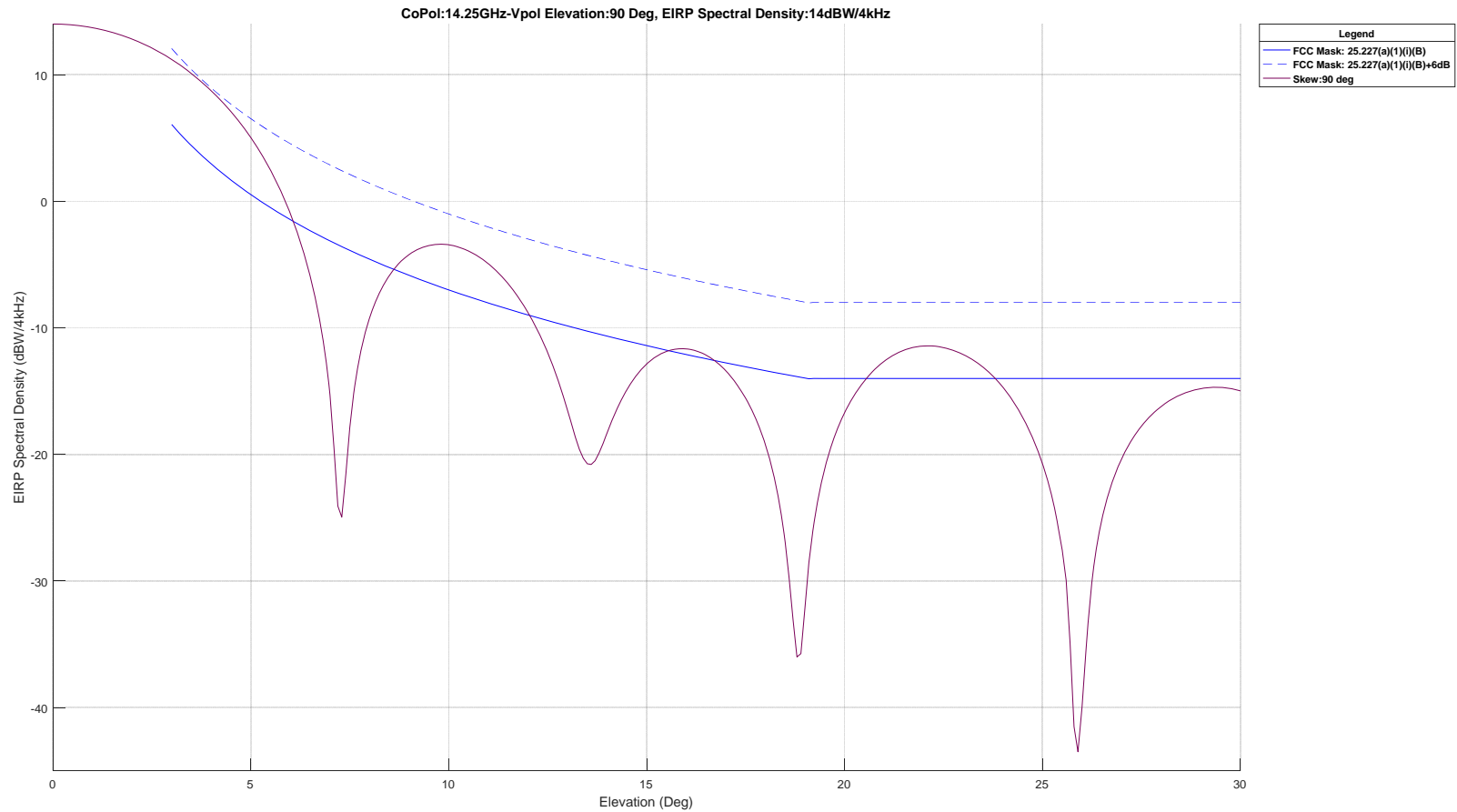
COPOL-PERPENDICULAR TO GSO PLANE:14.00GHZ-VPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:13.8DBW/4KHZ



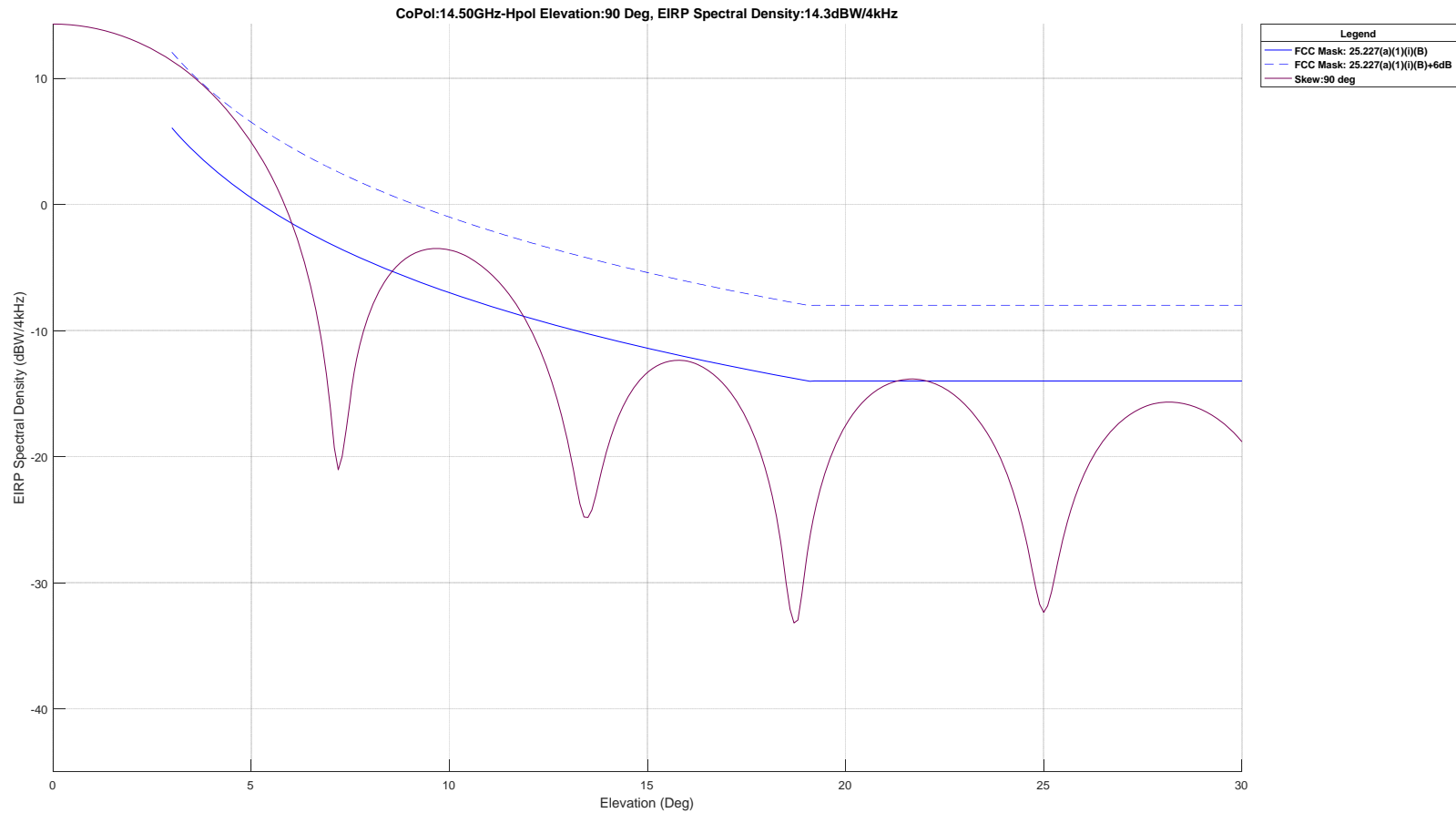
COPOL-PERPENDICULAR TO GSO PLANE:14.25GHZ-HPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:14DBW/4KHZ



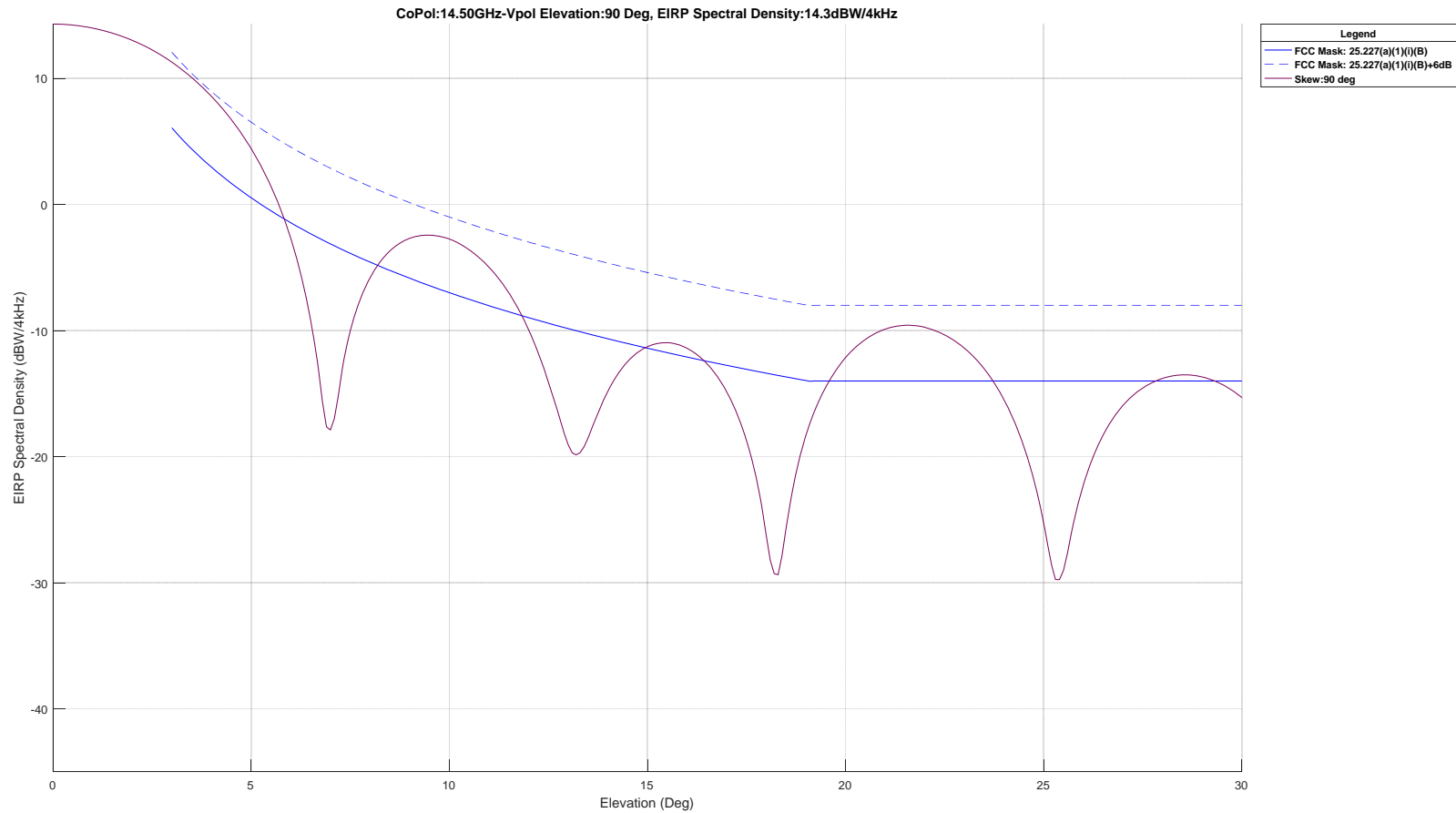
COPOL-PERPENDICULAR TO GSO PLANE:14.25GHZ-VPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:14DBW/4KHZ



COPOL-PERPENDICULAR TO GSO PLANE:14.50GHZ-HPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:14.3DBW/4KHZ



COPOL-PERPENDICULAR TO GSO PLANE:14.50GHZ-VPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:14.3DBW/4KHZ



GSAA EIRP SPECTRAL DENSITY
PLOTS – TANGENT PLANE TO
GSO CROSS POL WITH
25.227(A)(1)(I)(C) MASK



DESCRIPTION

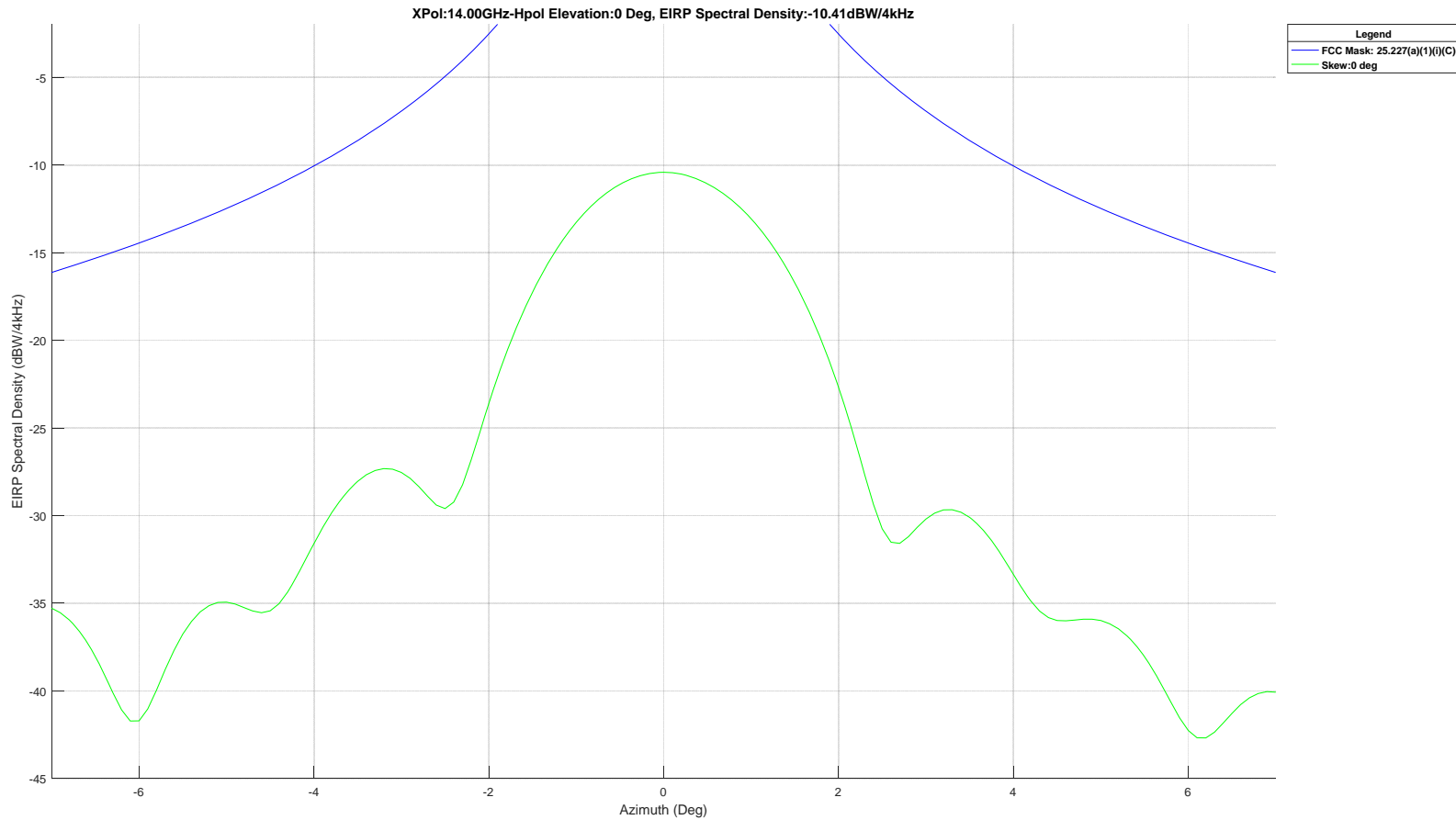
- EIRP Spectral Density plots are at 14.00 GHz, 14.25 GHz and 14.50 GHz for both vertical and horizontal polarization for the following Skew and Elevation Angles as it is mapped to the maximum EIRP spectral density in dBW/4kHz (in **BOLD**):

DESCRIPTION

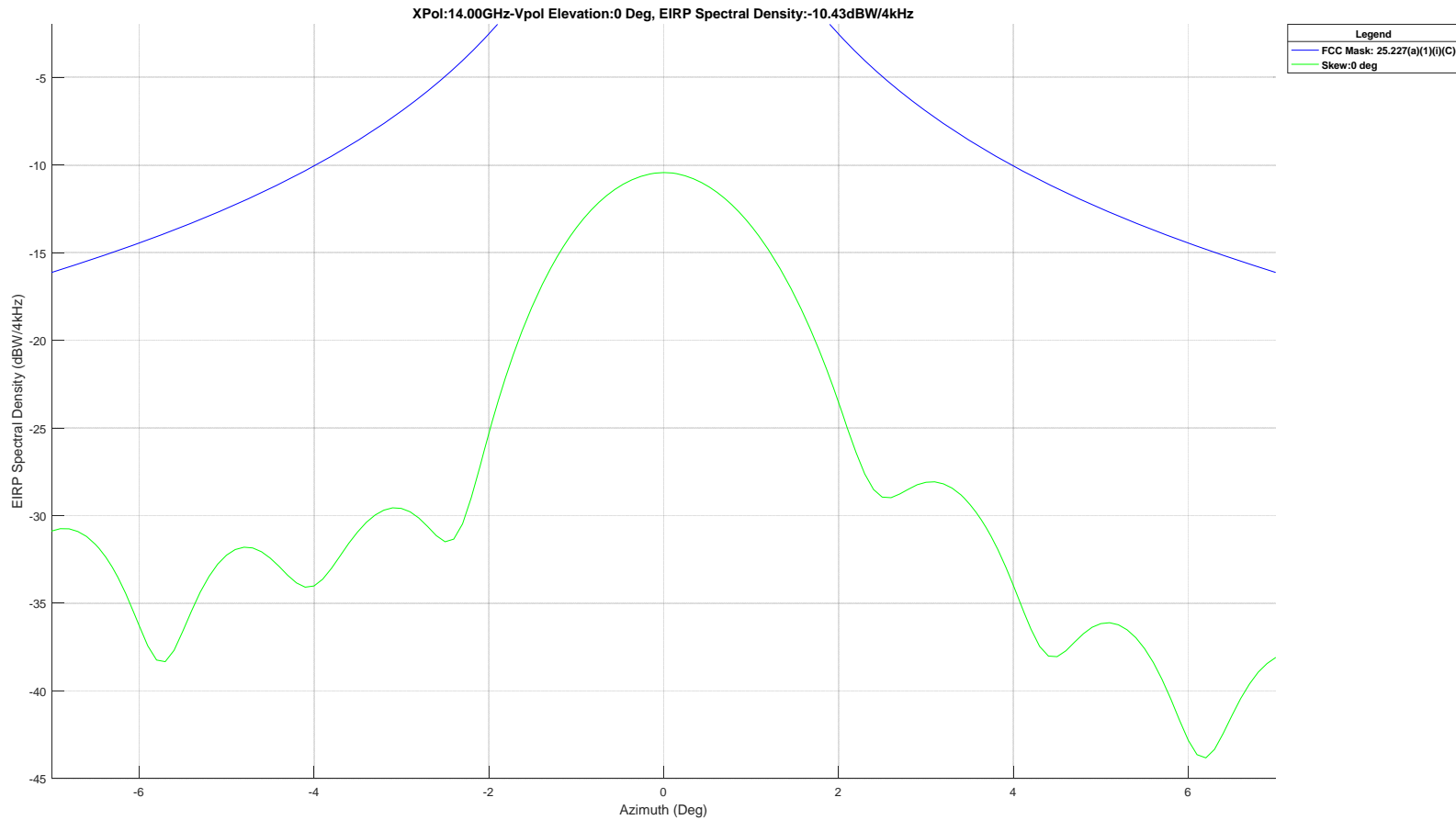
Tangent Plane to GSO Cross Pol ESD Plots as they comply to FCC mask 25.227(a)(1)(i)(C)

| GSAA MAXIMUM EIRP SPECTRAL DENSITY (dBW/4kHz) | | | | | | | | | | | | | | | | | | | |
|---|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elevation(deg)\Skew(deg) | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 |
| 0 | -9.92 | -9.88 | -9.87 | -9.99 | -9.98 | -10.71 | -10.88 | -11.64 | -11.79 | -12.30 | -13.09 | -14.34 | -15.18 | -16.24 | -18.10 | -19.18 | -20.48 | -21.57 | -22.47 |
| 5 | -9.92 | -9.88 | -9.87 | -9.99 | -9.98 | -10.71 | -10.88 | -11.64 | -11.79 | -12.30 | -13.09 | -14.34 | -15.18 | -16.24 | -18.10 | -19.18 | -20.48 | -21.57 | -22.47 |
| 10 | -9.92 | -9.88 | -9.87 | -9.99 | -9.98 | -10.71 | -10.88 | -11.64 | -11.79 | -12.30 | -13.09 | -14.34 | -15.18 | -16.24 | -18.10 | -19.18 | -20.48 | -21.57 | -22.47 |
| 15 | -9.92 | -9.92 | -10.01 | -9.84 | -10.40 | -10.56 | -11.22 | -11.67 | -11.67 | -11.93 | -12.60 | -13.77 | -14.32 | -16.01 | -16.68 | -18.14 | -19.86 | -21.25 | -22.14 |
| 20 | -9.92 | -9.92 | -10.01 | -9.84 | -10.40 | -10.56 | -11.22 | -11.67 | -11.67 | -11.93 | -12.60 | -13.77 | -14.32 | -16.01 | -16.68 | -18.14 | -19.86 | -21.25 | -22.14 |
| 25 | -9.92 | -9.92 | -9.88 | -9.87 | -9.99 | -9.98 | -10.71 | -10.88 | -11.64 | -11.79 | -12.30 | -13.09 | -14.34 | -15.18 | -16.24 | -18.10 | -19.18 | -20.48 | -21.57 |
| 30 | -9.92 | -9.92 | -9.88 | -9.87 | -9.99 | -9.98 | -10.71 | -10.88 | -11.64 | -11.79 | -12.30 | -13.09 | -14.34 | -15.18 | -16.24 | -18.10 | -19.18 | -20.48 | -21.57 |
| 35 | -9.92 | -9.92 | -9.92 | -10.01 | -9.84 | -10.40 | -10.56 | -11.22 | -11.67 | -11.67 | -11.93 | -12.60 | -13.77 | -14.32 | -16.01 | -16.68 | -18.14 | -19.86 | -21.25 |
| 40 | -9.92 | -9.92 | -9.92 | -10.01 | -9.84 | -10.40 | -10.56 | -11.22 | -11.67 | -11.67 | -11.93 | -12.60 | -13.77 | -14.32 | -16.01 | -16.68 | -18.14 | -19.86 | -21.25 |
| 45 | -9.92 | -9.92 | -9.92 | -9.88 | -9.87 | -9.99 | -9.98 | -10.71 | -10.88 | -11.64 | -11.79 | -12.30 | -13.09 | -14.34 | -15.18 | -16.24 | -18.10 | -19.18 | -20.48 |
| 50 | -9.92 | -9.92 | -9.92 | -9.92 | -10.01 | -9.84 | -10.40 | -10.56 | -11.22 | -11.67 | -11.93 | -12.60 | -13.77 | -14.32 | -16.01 | -16.68 | -18.14 | -19.86 | -21.25 |
| 55 | -9.92 | -9.92 | -9.92 | -9.92 | -9.88 | -9.87 | -9.99 | -9.98 | -10.71 | -10.88 | -11.64 | -11.79 | -12.30 | -13.09 | -14.34 | -15.18 | -16.24 | -18.10 | -19.18 |
| 60 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -10.01 | -9.84 | -10.40 | -10.56 | -11.22 | -11.67 | -11.93 | -12.60 | -13.77 | -14.32 | -16.01 | -16.68 | -18.14 | -19.18 |
| 65 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.88 | -9.87 | -9.99 | -9.98 | -10.71 | -10.88 | -11.64 | -11.79 | -12.30 | -13.09 | -14.34 | -15.18 | -16.24 |
| 70 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -10.01 | -9.84 | -10.40 | -10.56 | -10.71 | -11.67 | -11.79 | -12.60 | -13.77 | -14.32 | -14.32 |
| 75 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.88 | -9.87 | -9.99 | -9.98 | -10.71 | -10.88 | -11.64 | -11.79 |
| 80 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 |
| 85 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 |
| 90 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 | -9.92 |

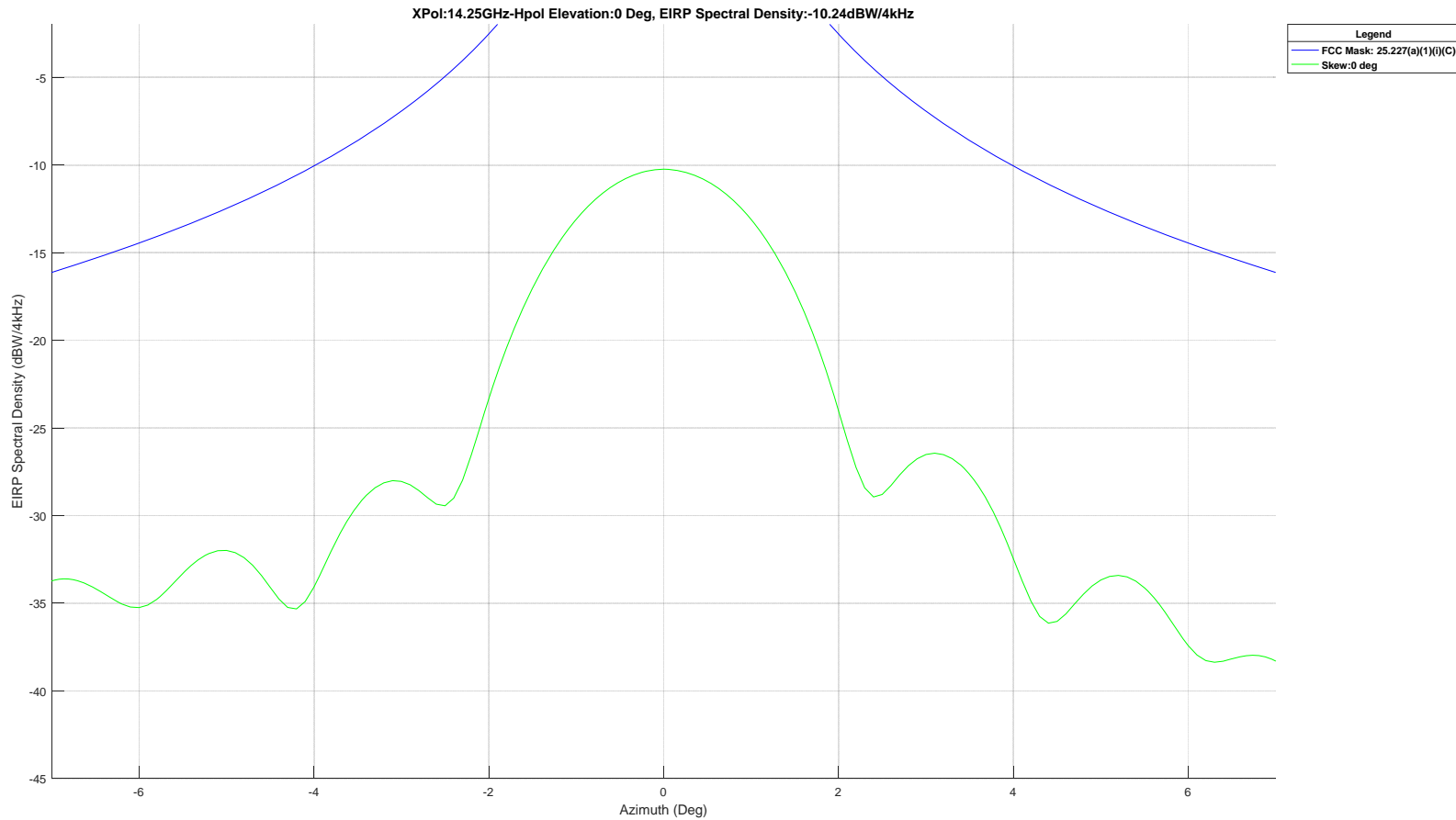
XPOL-TANGENT TO GSO PLANE:14.00GHZ-HPOL ELEVATION:0 DEG, EIRP SPECTRAL DENSITY:-10.41DBW/4KHZ



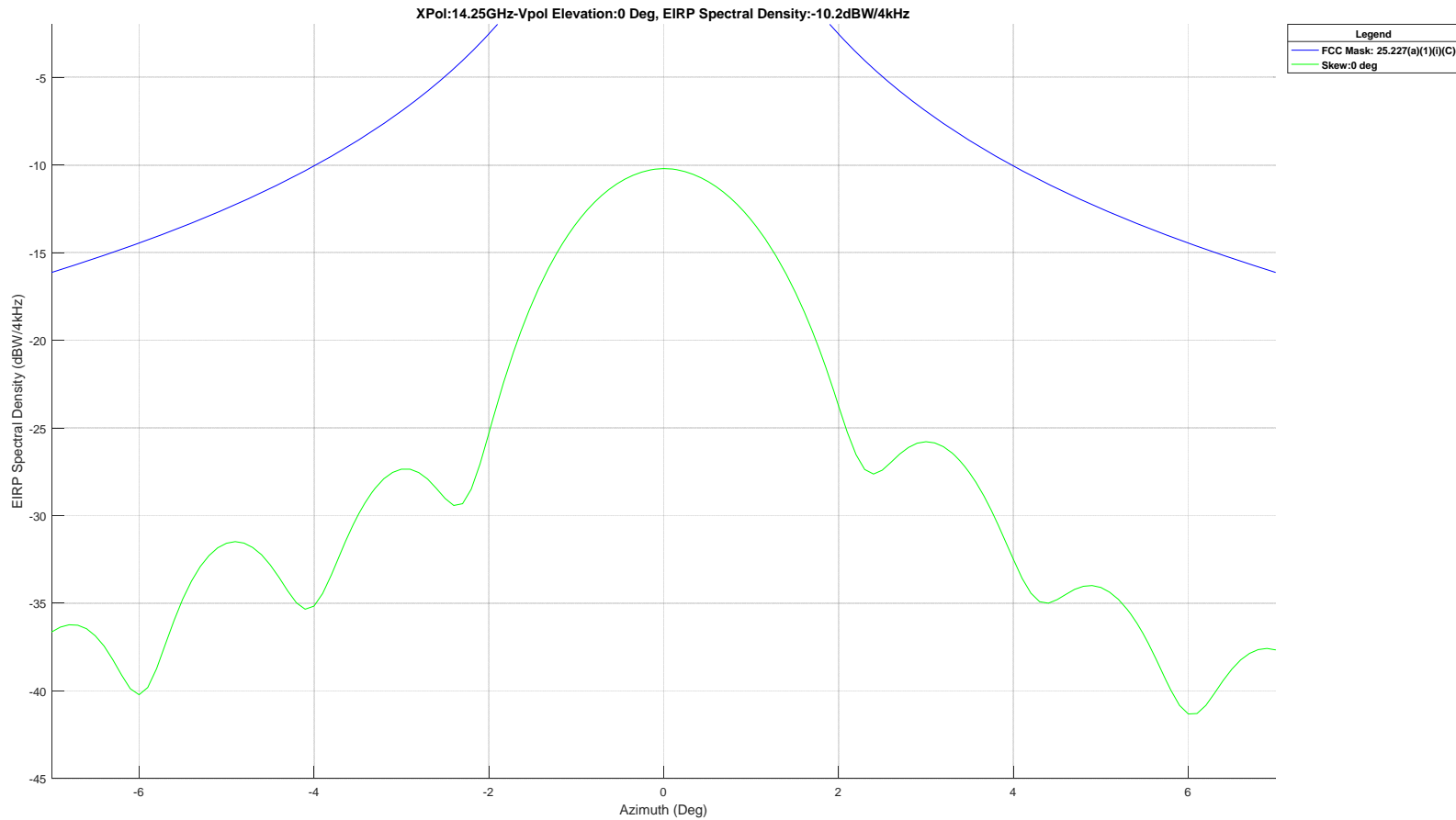
XPOL-TANGENT TO GSO PLANE:14.00GHZ-VPOL ELEVATION:0 DEG, EIRP SPECTRAL DENSITY:-10.43DBW/4KHZ



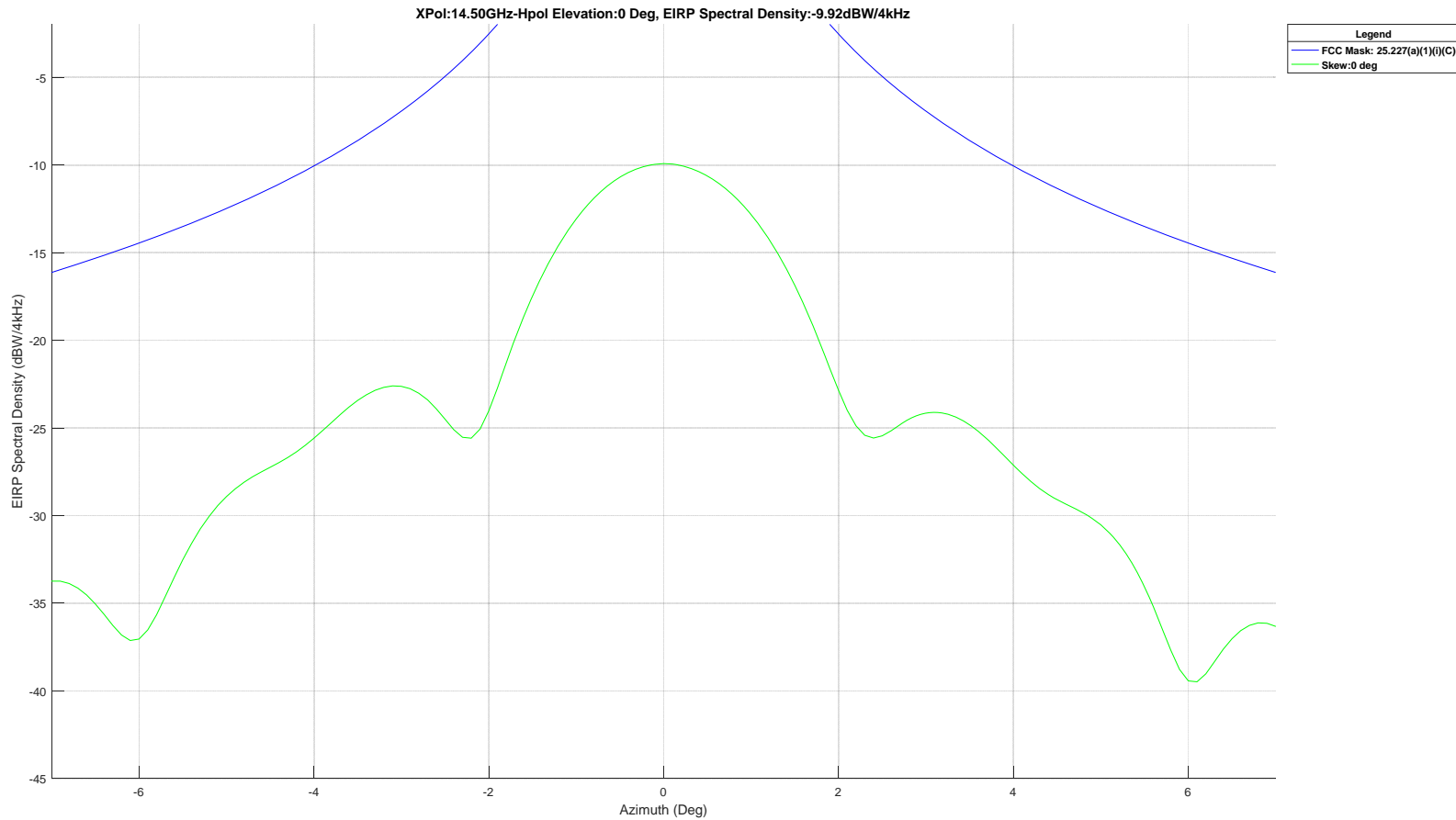
XPOL-TANGENT TO GSO PLANE:14.25GHZ-HPOL ELEVATION:0 DEG, EIRP SPECTRAL DENSITY:-10.24DBW/4KHZ



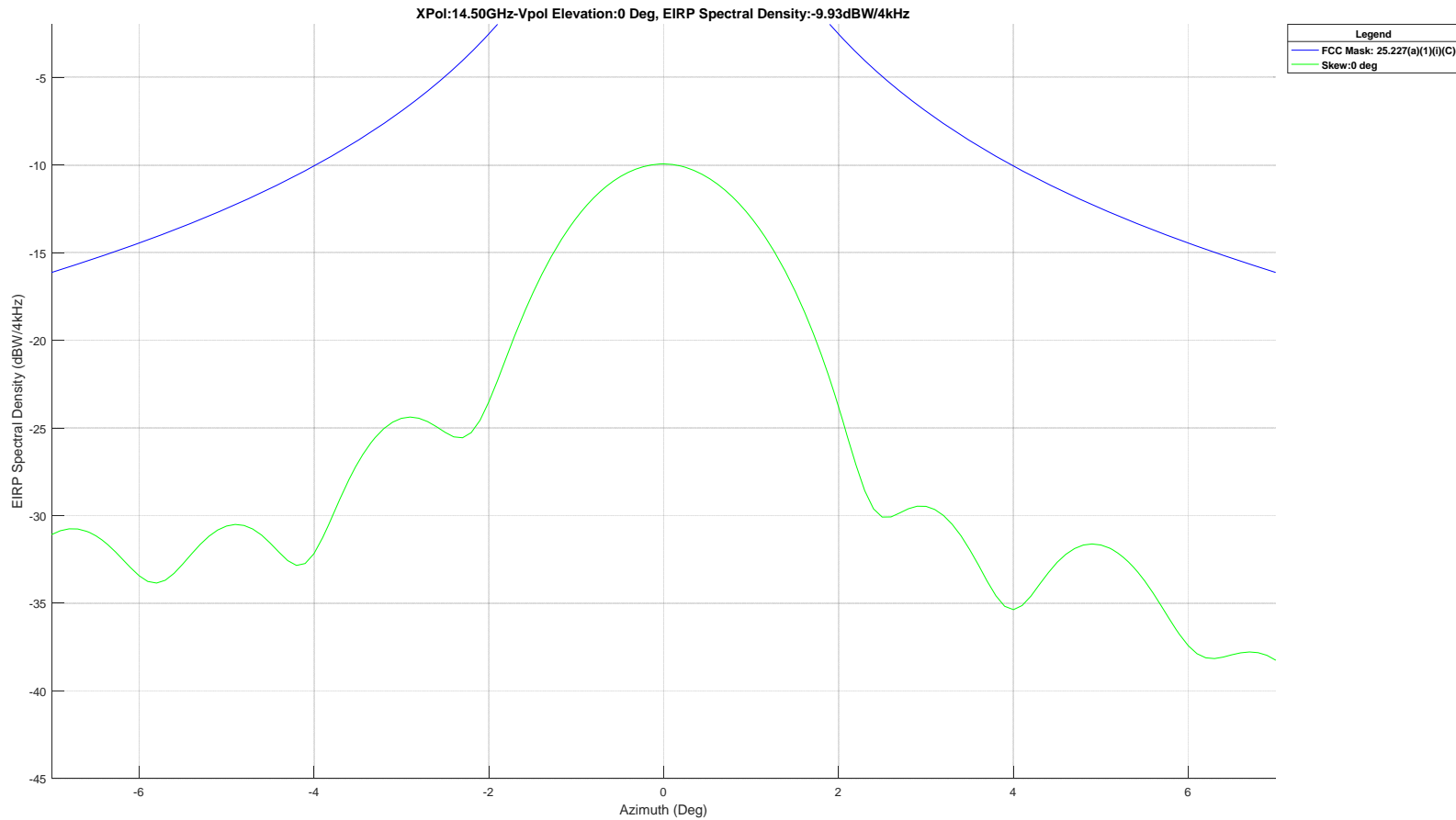
XPOL-TANGENT TO GSO PLANE:14.25GHZ-VPOL ELEVATION:0 DEG, EIRP SPECTRAL DENSITY:-10.2DBW/4KHZ



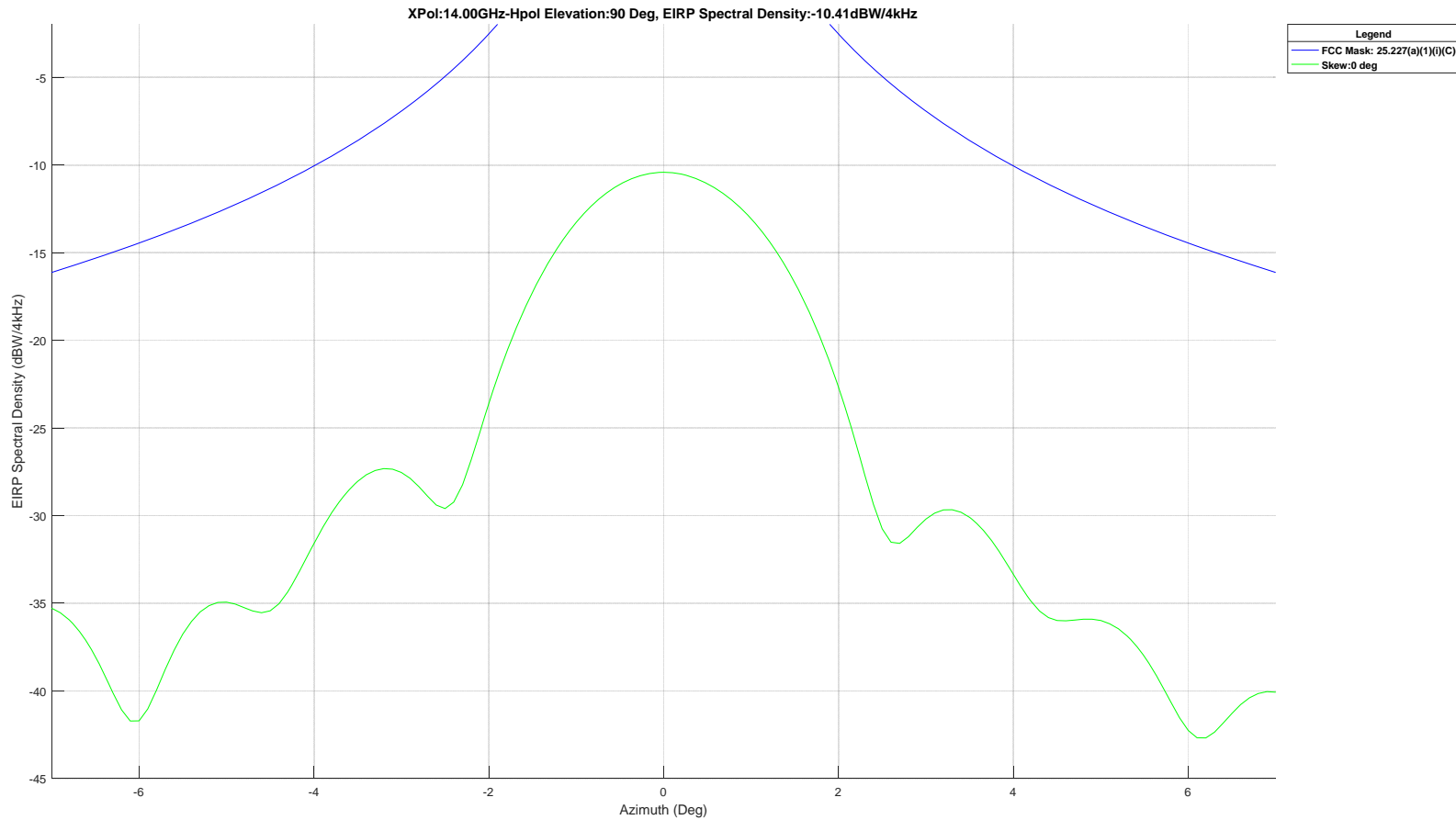
XPOL-TANGENT TO GSO PLANE:14.50GHZ-HPOL ELEVATION:0 DEG, EIRP SPECTRAL DENSITY:-9.92DBW/4KHZ



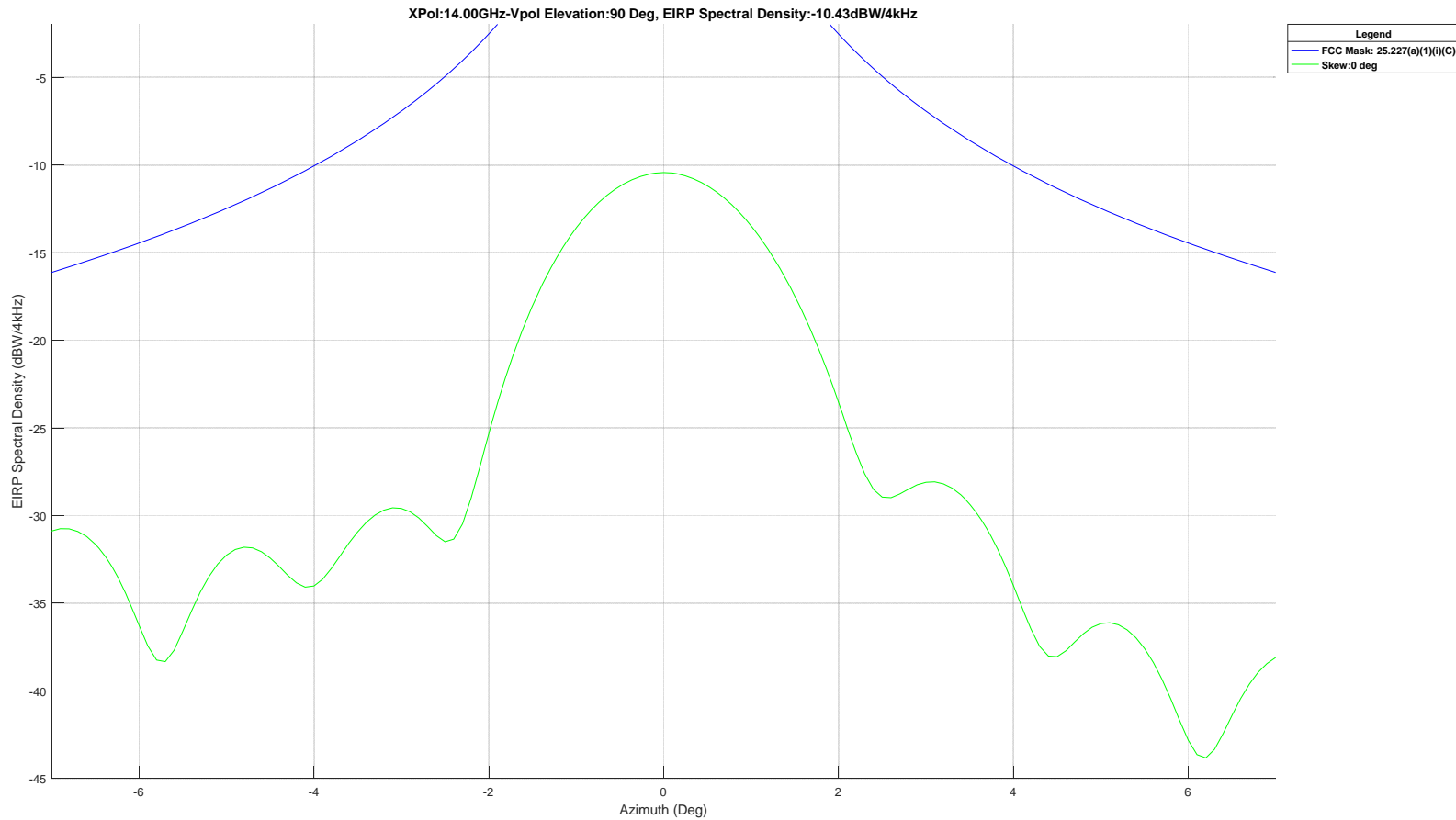
XPOL-TANGENT TO GSO PLANE:14.50GHZ-VPOL ELEVATION:0 DEG, EIRP SPECTRAL DENSITY:-9.93DBW/4KHZ



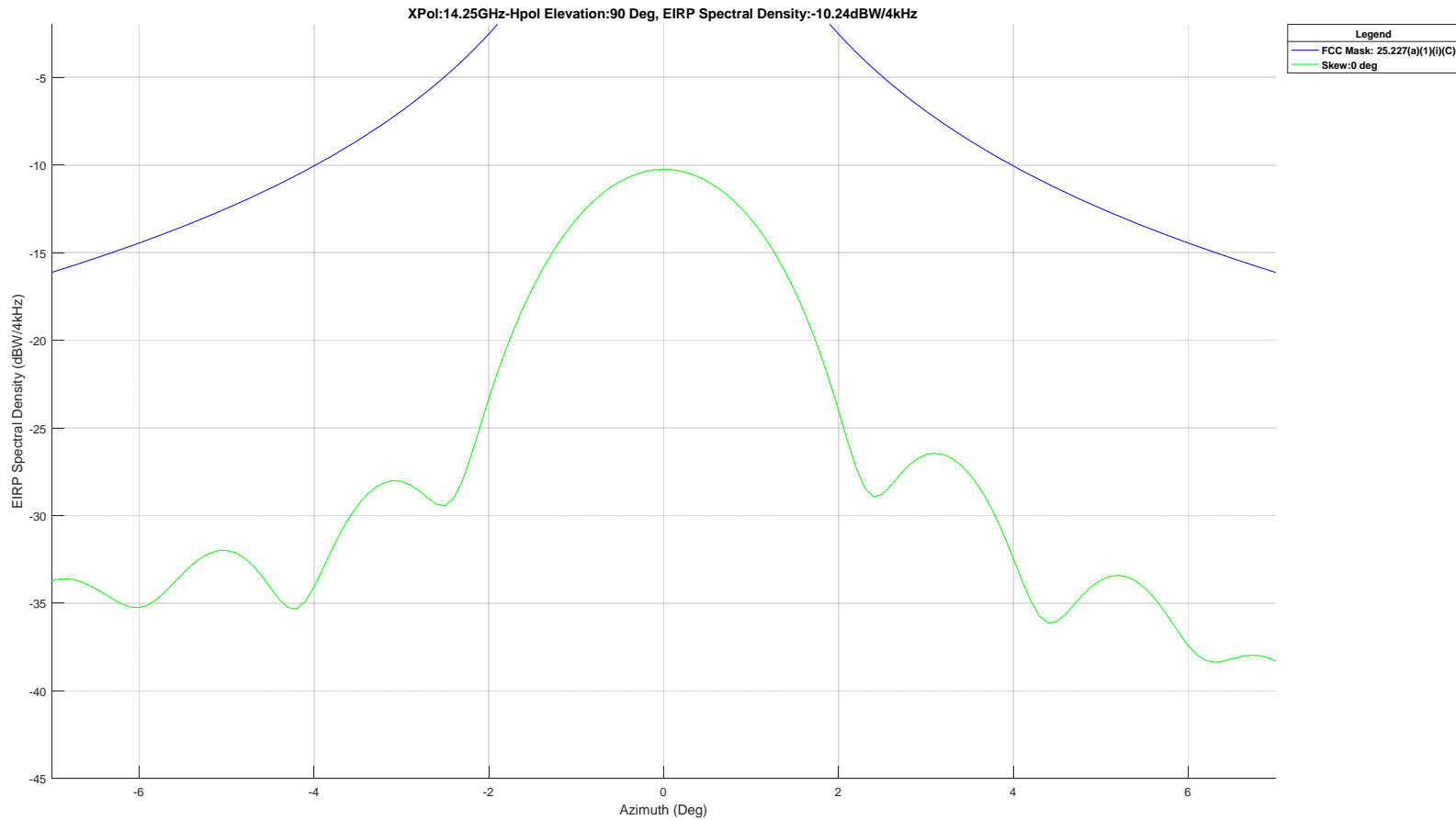
XPOL-TANGENT TO GSO PLANE:14.00GHZ-HPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:-10.41DBW/4KHZ



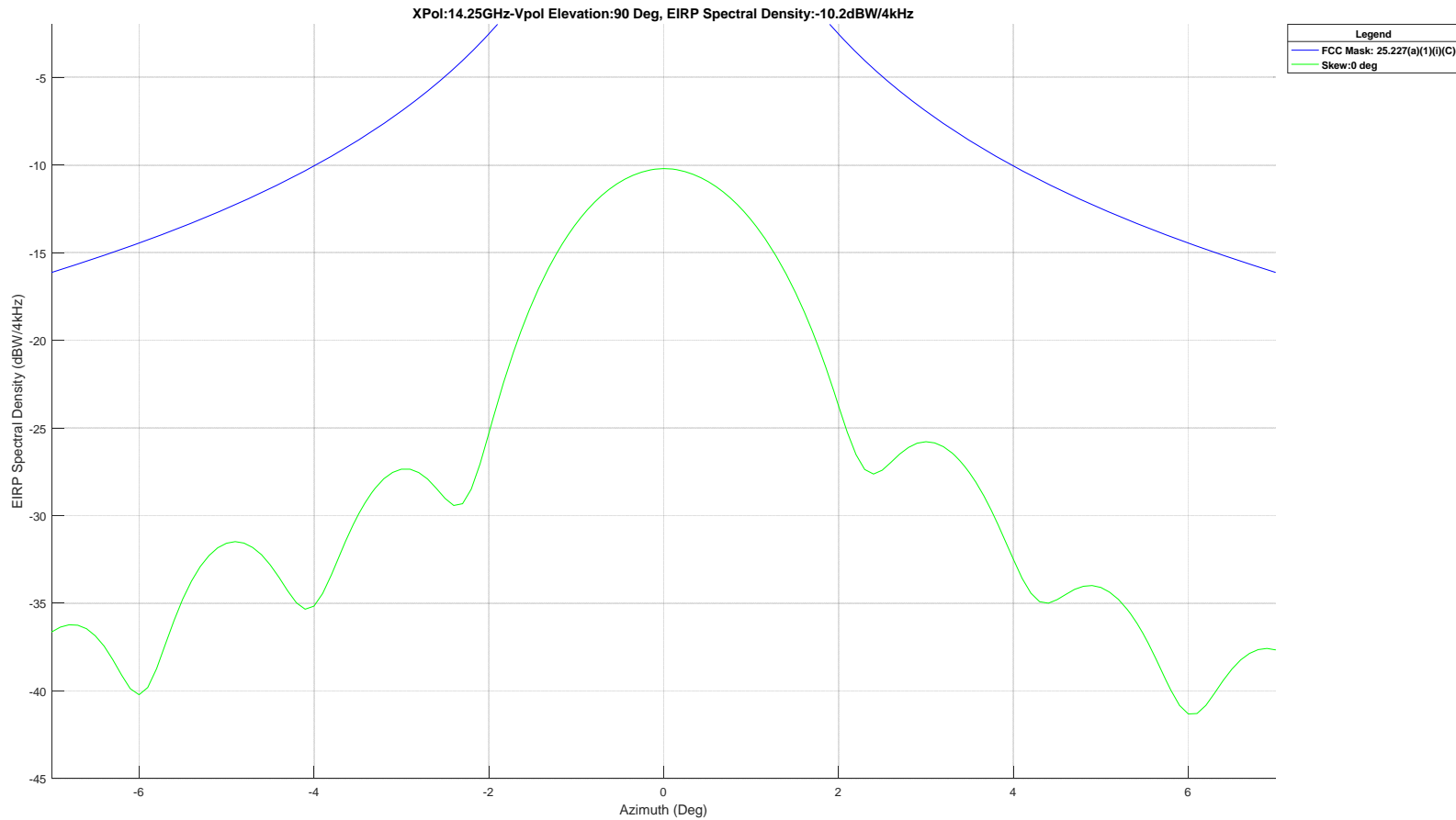
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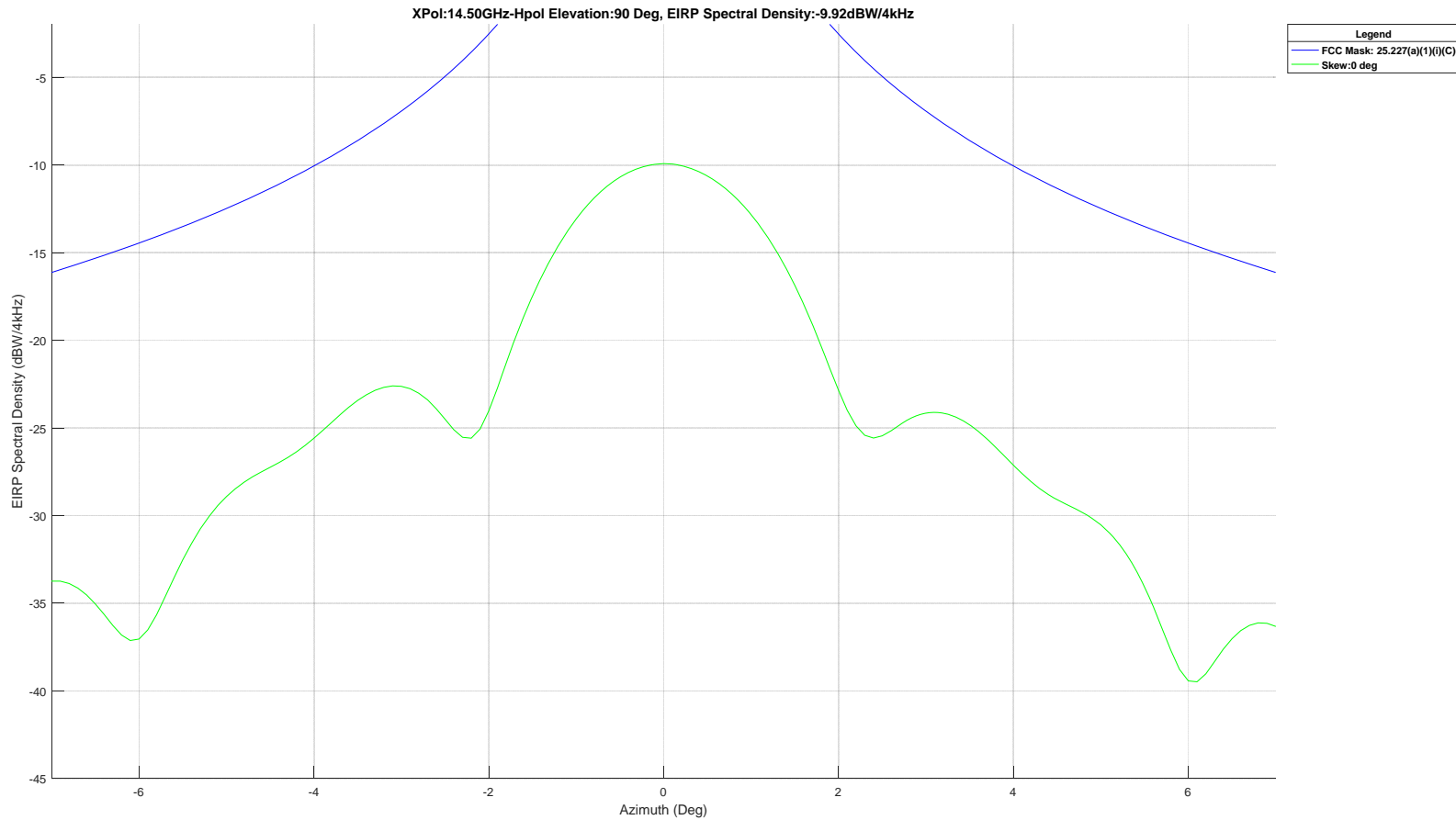
XPOL-TANGENT TO GSO PLANE:14.25GHZ-HPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:-10.24DBW/4KHZ



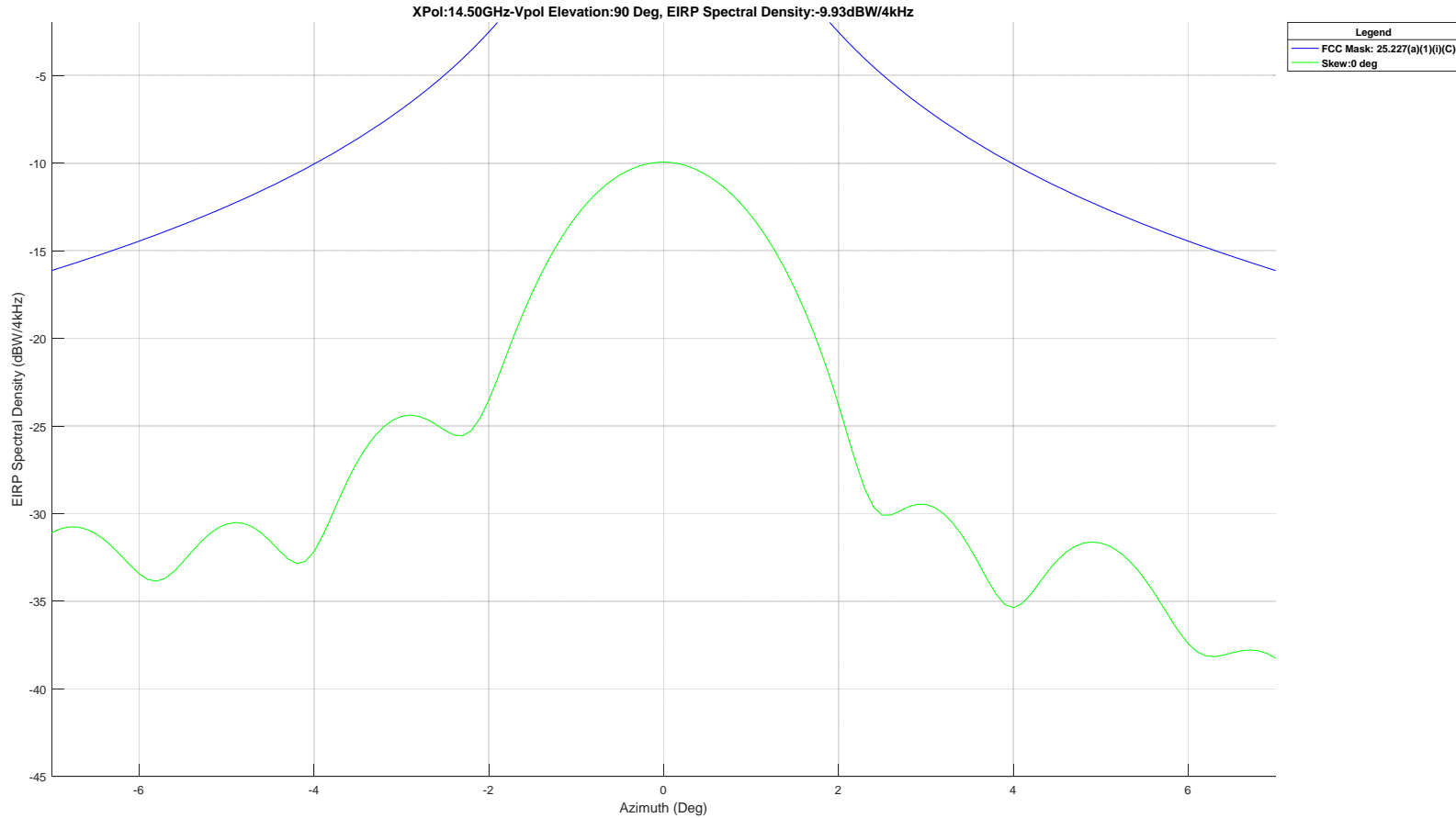
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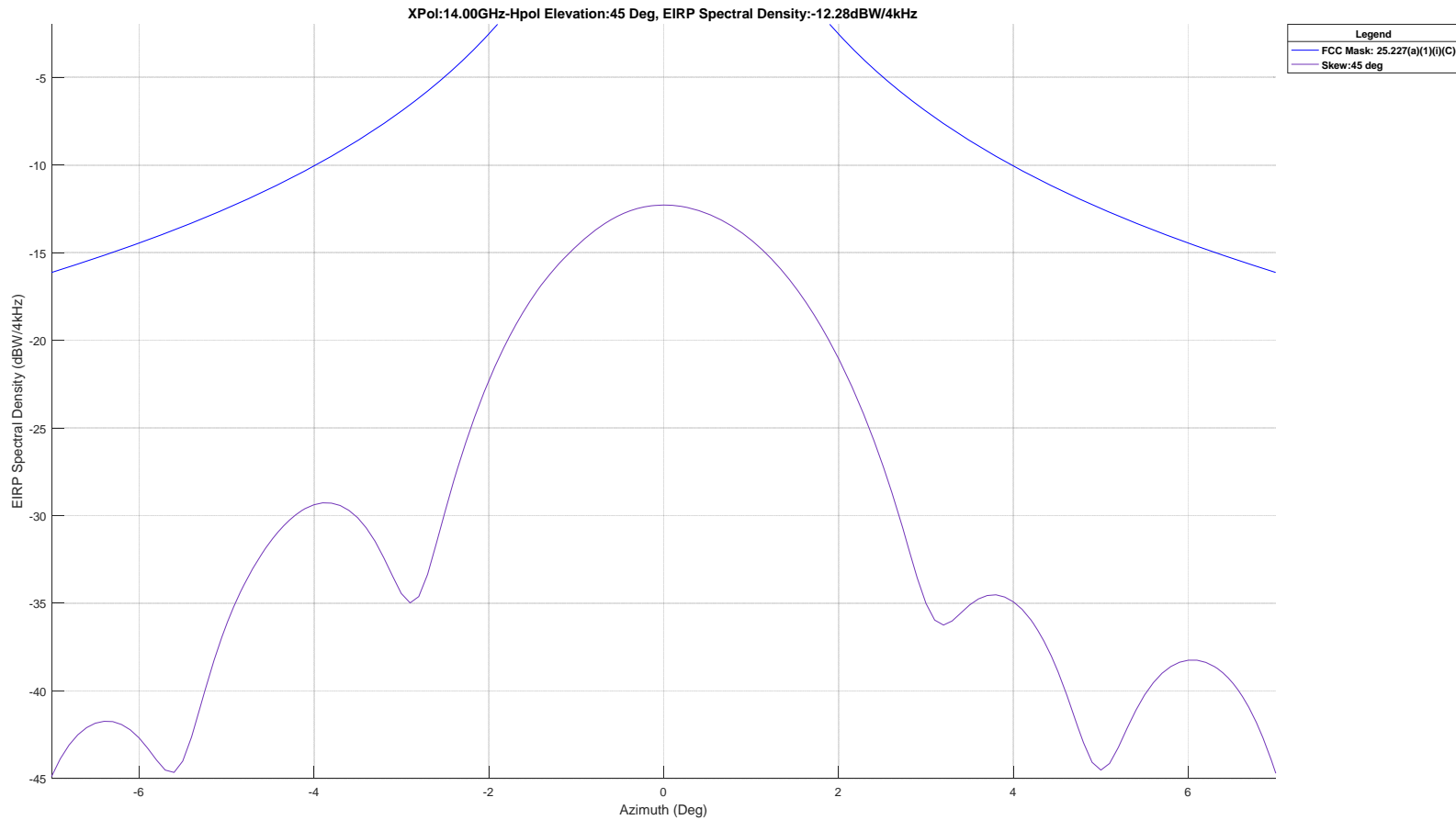
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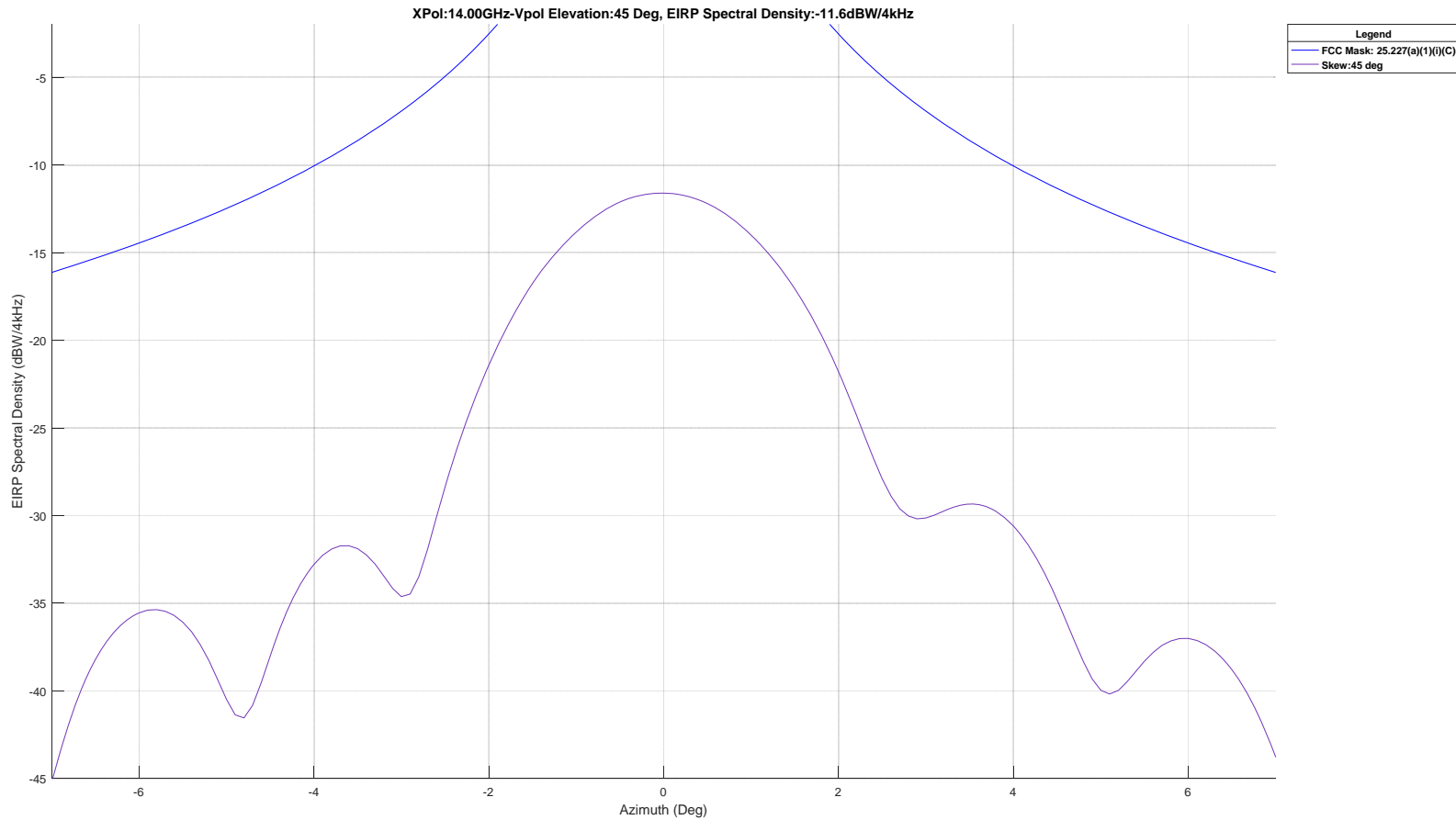
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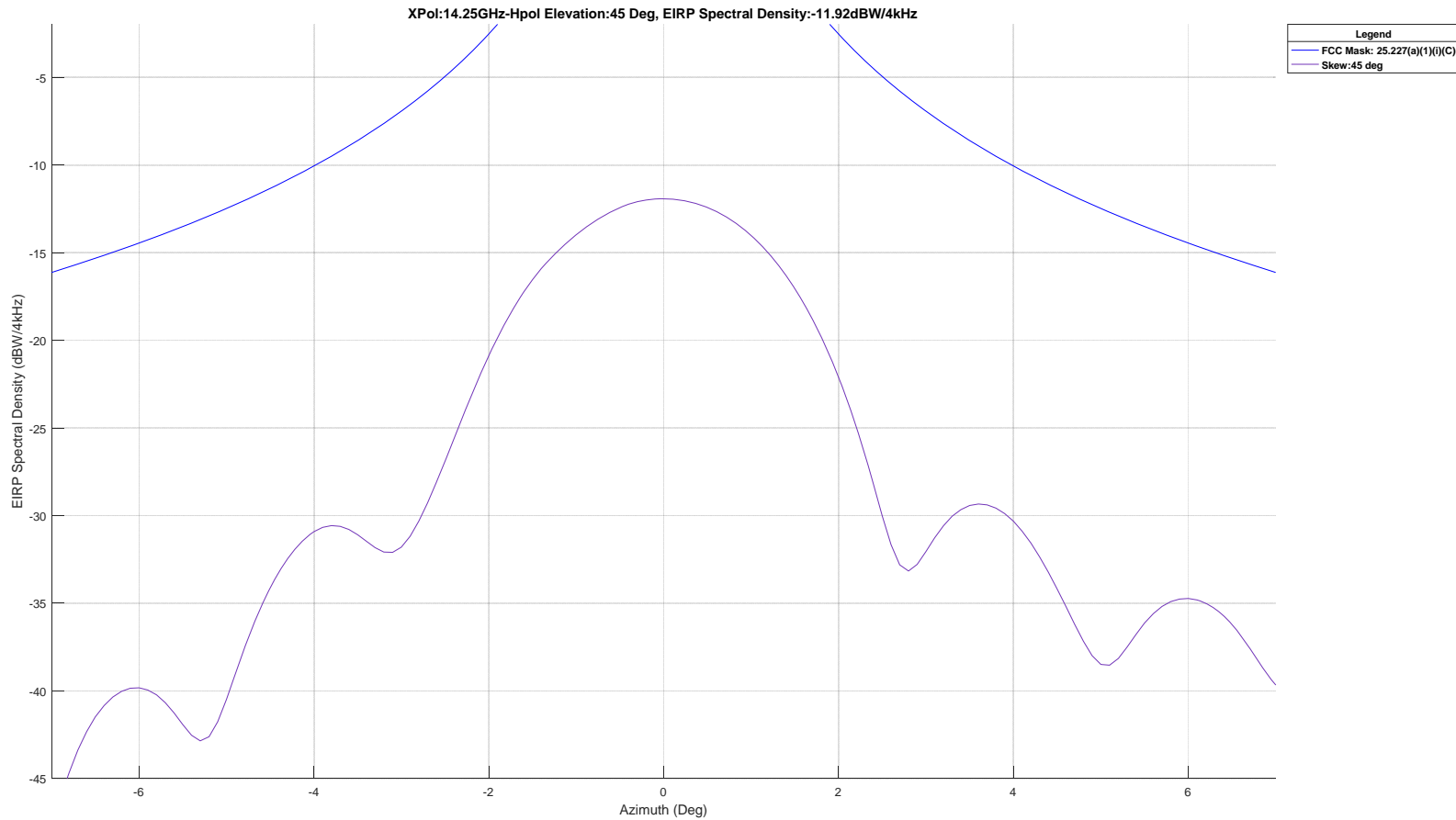
XPOL-TANGENT TO GSO PLANE:14.00GHZ-HPOL ELEVATION:45 DEG, EIRP SPECTRAL DENSITY:-12.28DBW/4KHZ



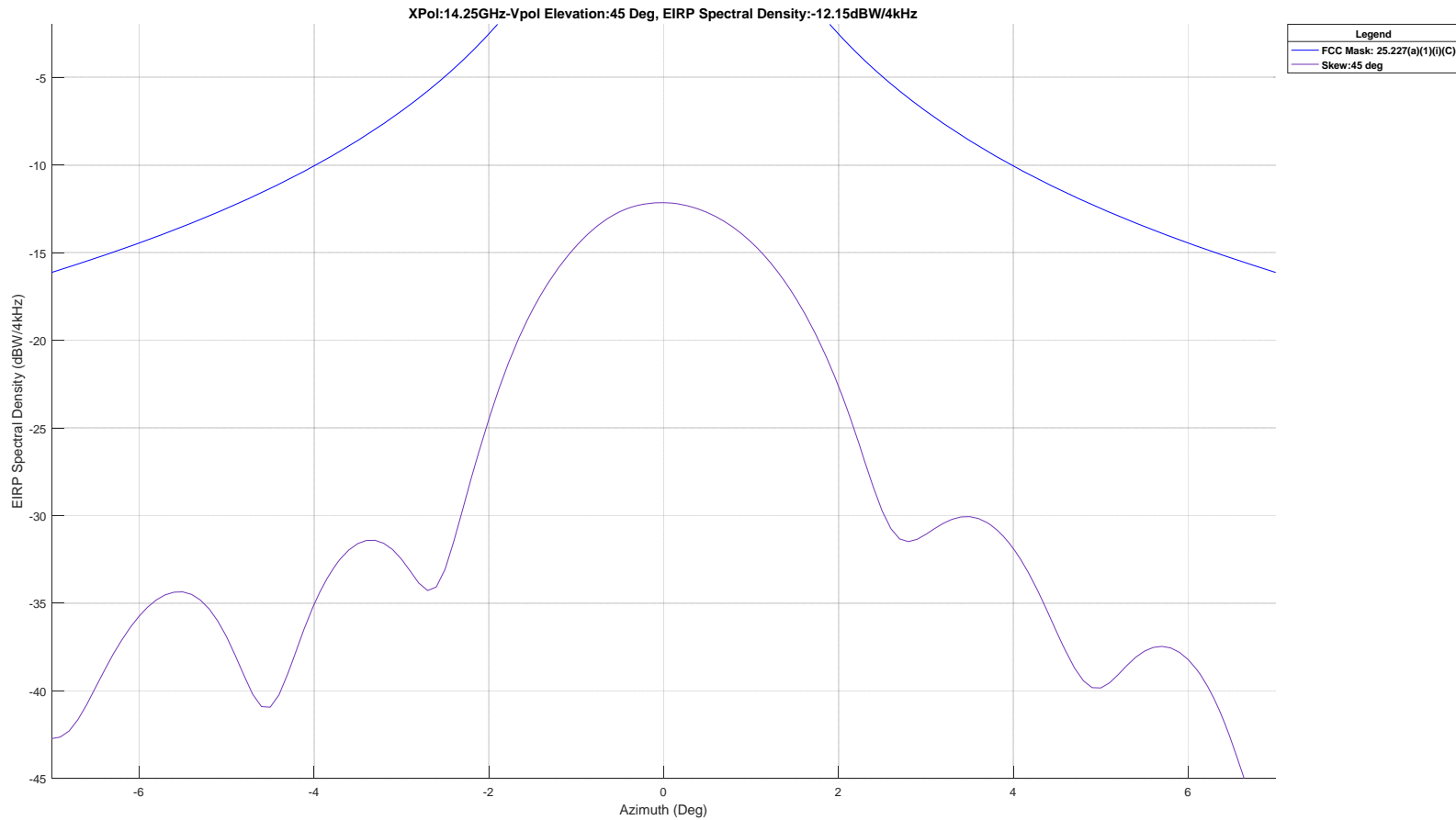
XPOL-TANGENT TO GSO PLANE:14.00GHZ-VPOL ELEVATION:45 DEG, EIRP SPECTRAL DENSITY:-11.6DBW/4KHZ



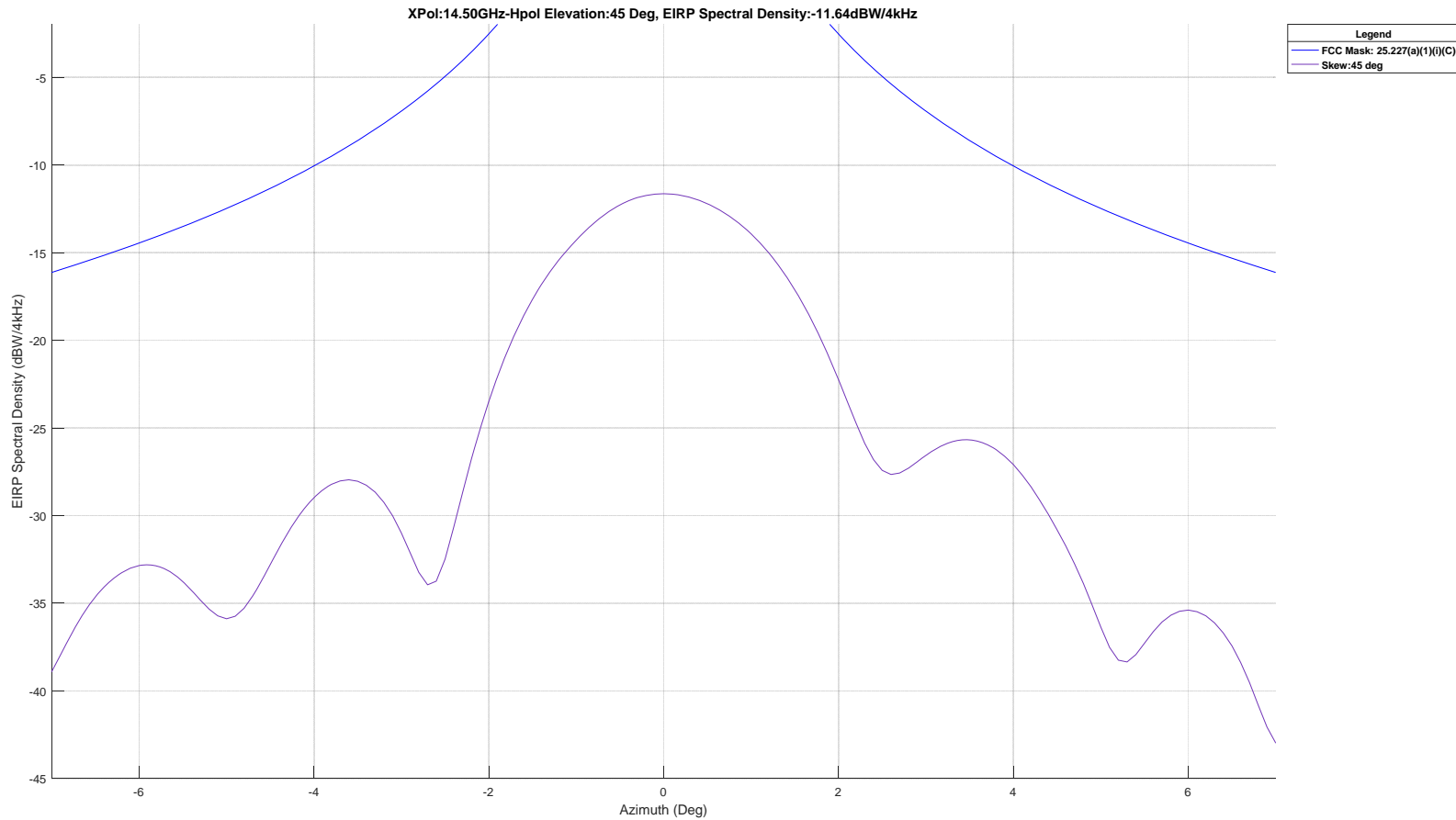
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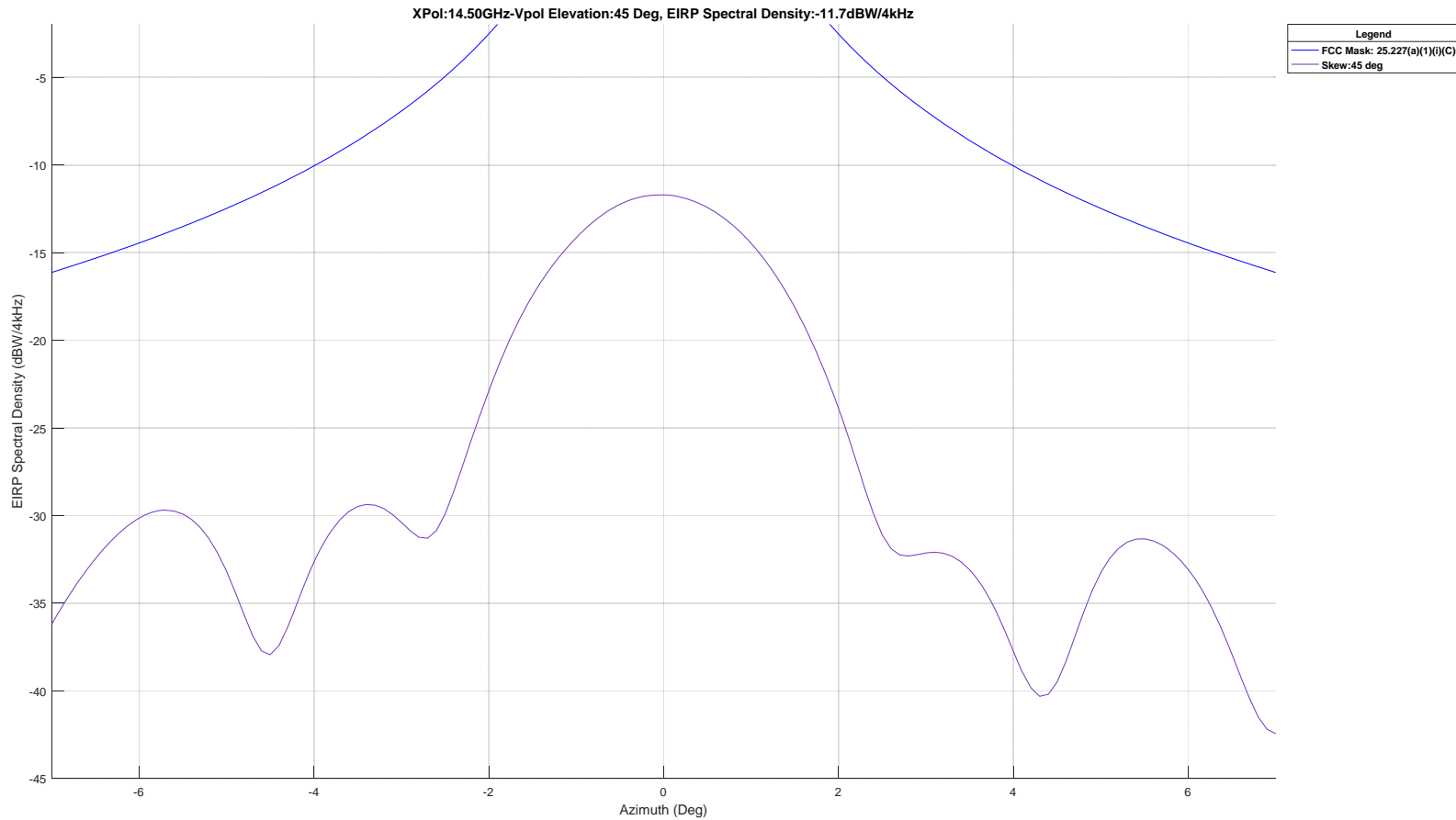
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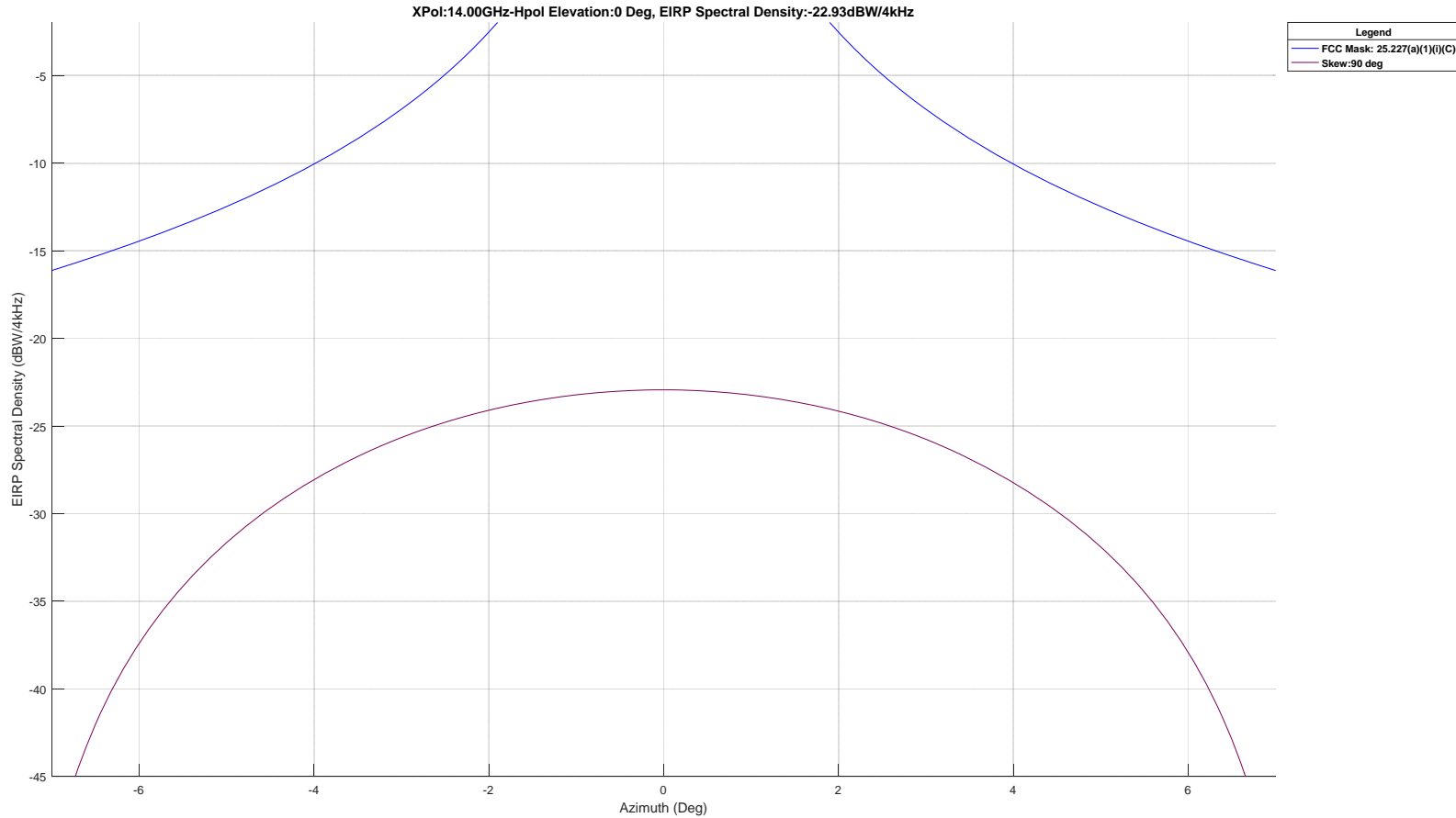
XPOL-TANGENT TO GSO PLANE:14.50GHZ-HPOL ELEVATION:45 DEG, EIRP SPECTRAL DENSITY:-11.64DBW/4KHZ



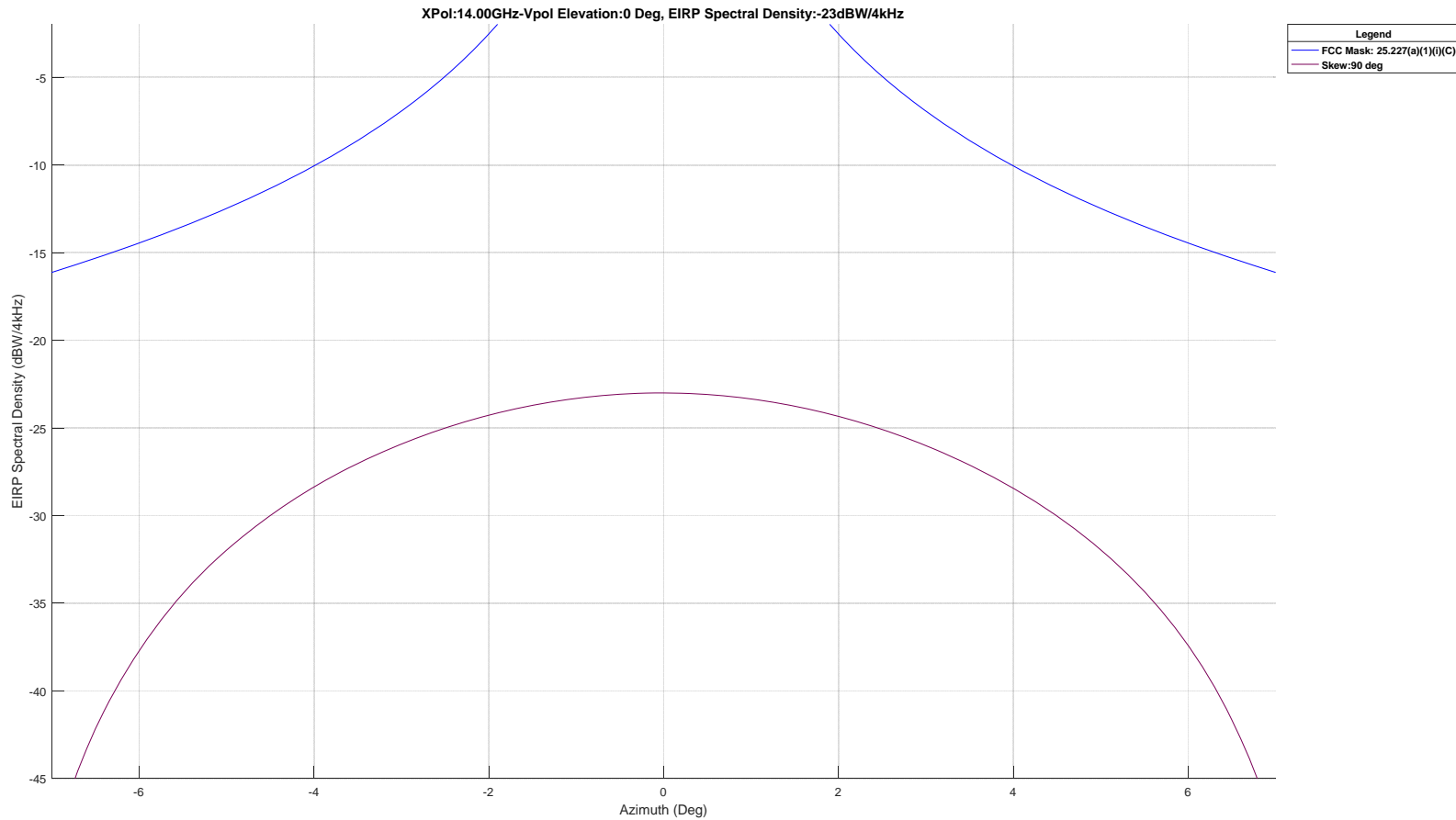
XPOL-TANGENT TO GSO PLANE:14.50GHZ-VPOL ELEVATION:45 DEG, EIRP SPECTRAL DENSITY:-11.7DBW/4KHZ



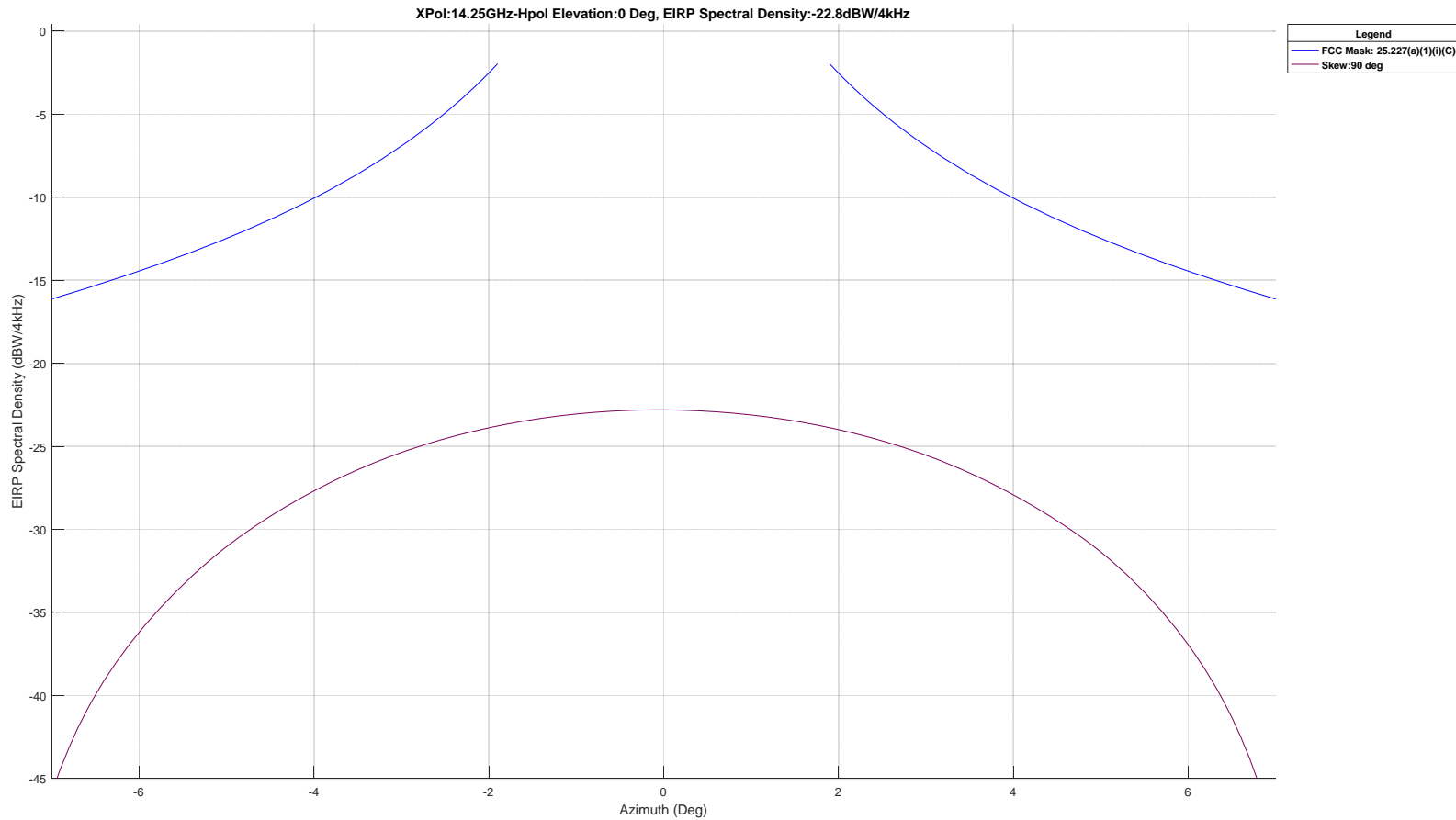
XPOL-TANGENT TO GSO PLANE:14.00GHZ-HPOL ELEVATION:0 DEG, EIRP SPECTRAL DENSITY:-22.93DBW/4KHZ



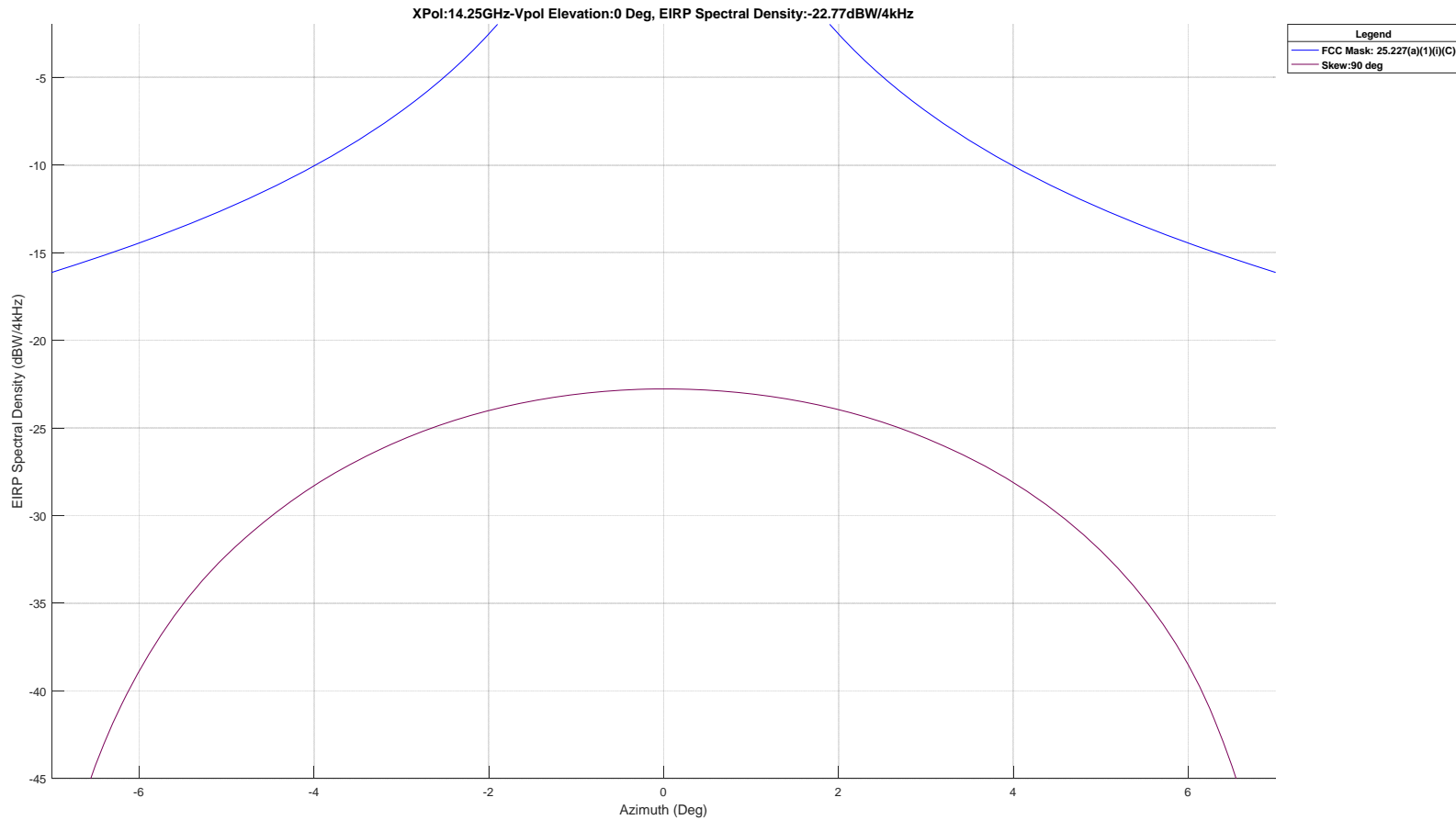
XPOL-TANGENT TO GSO PLANE:14.00GHZ-VPOL ELEVATION:0 DEG, EIRP SPECTRAL DENSITY:-23DBW/4KHZ



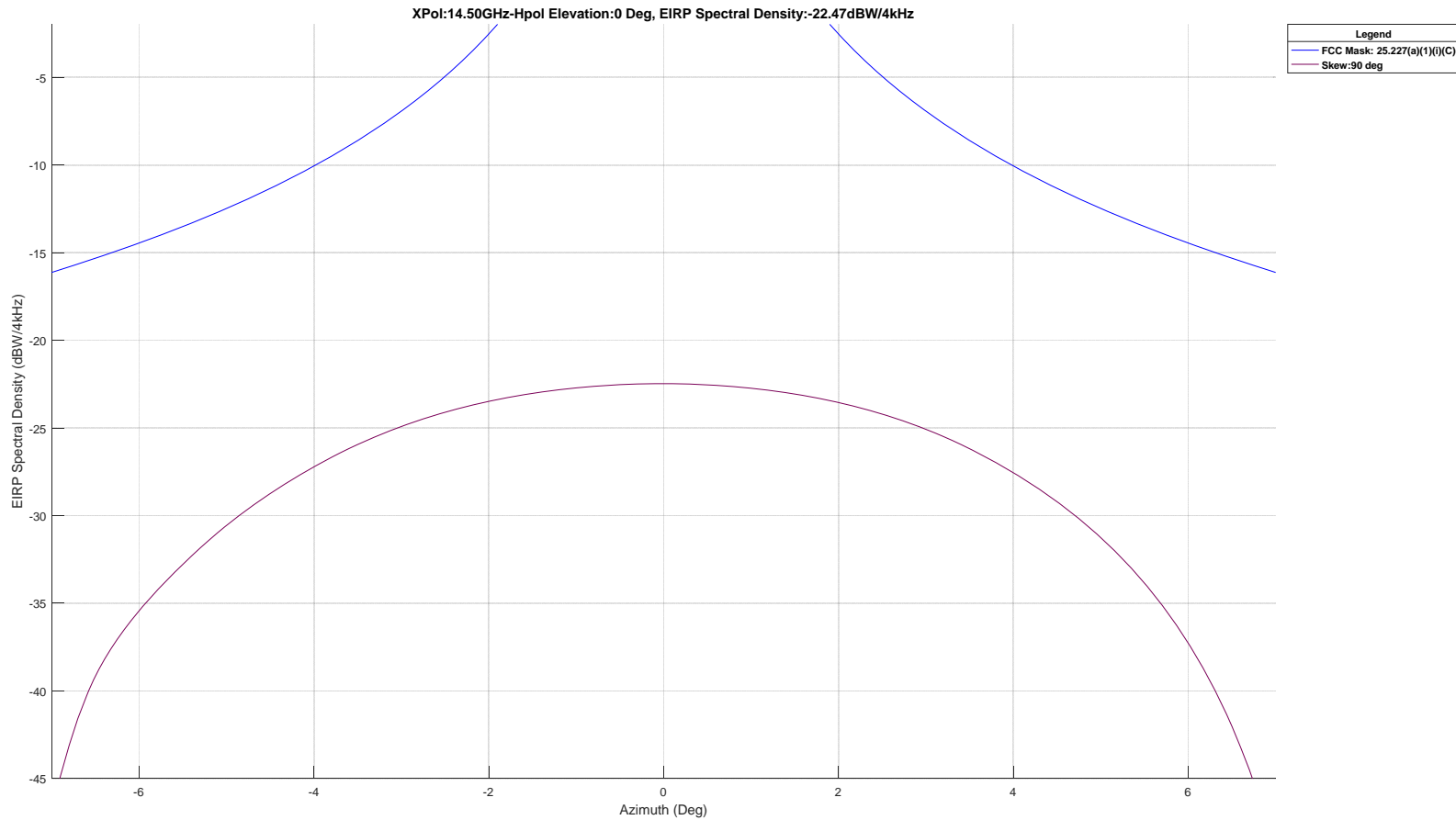
XPOL-TANGENT TO GSO PLANE:14.25GHZ-HPOL ELEVATION:0 DEG, EIRP SPECTRAL DENSITY:-22.8DBW/4KHZ



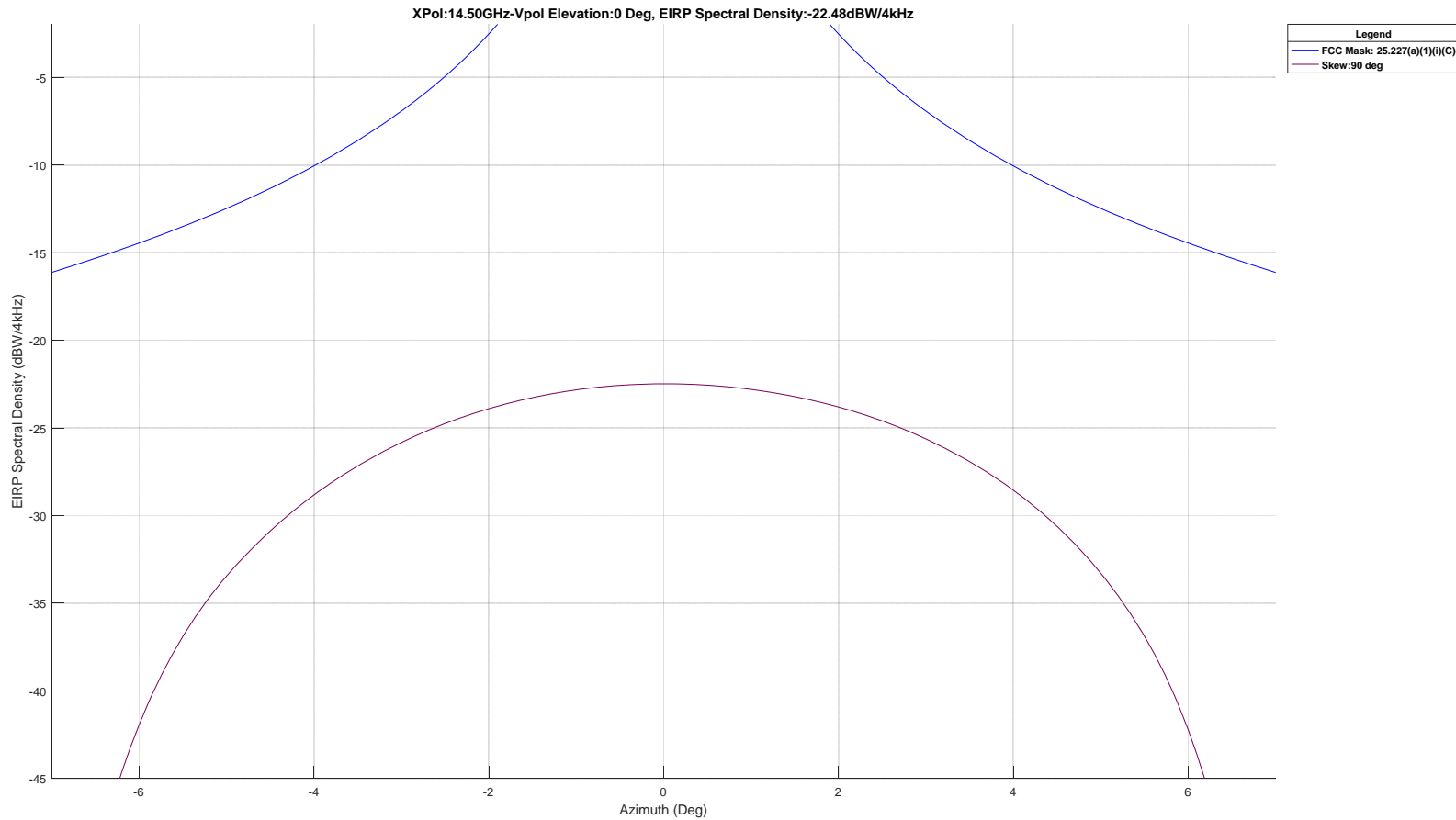
XPOL-TANGENT TO GSO PLANE:14.25GHZ-VPOL ELEVATION:0 DEG, EIRP SPECTRAL DENSITY:-22.77DBW/4KHZ



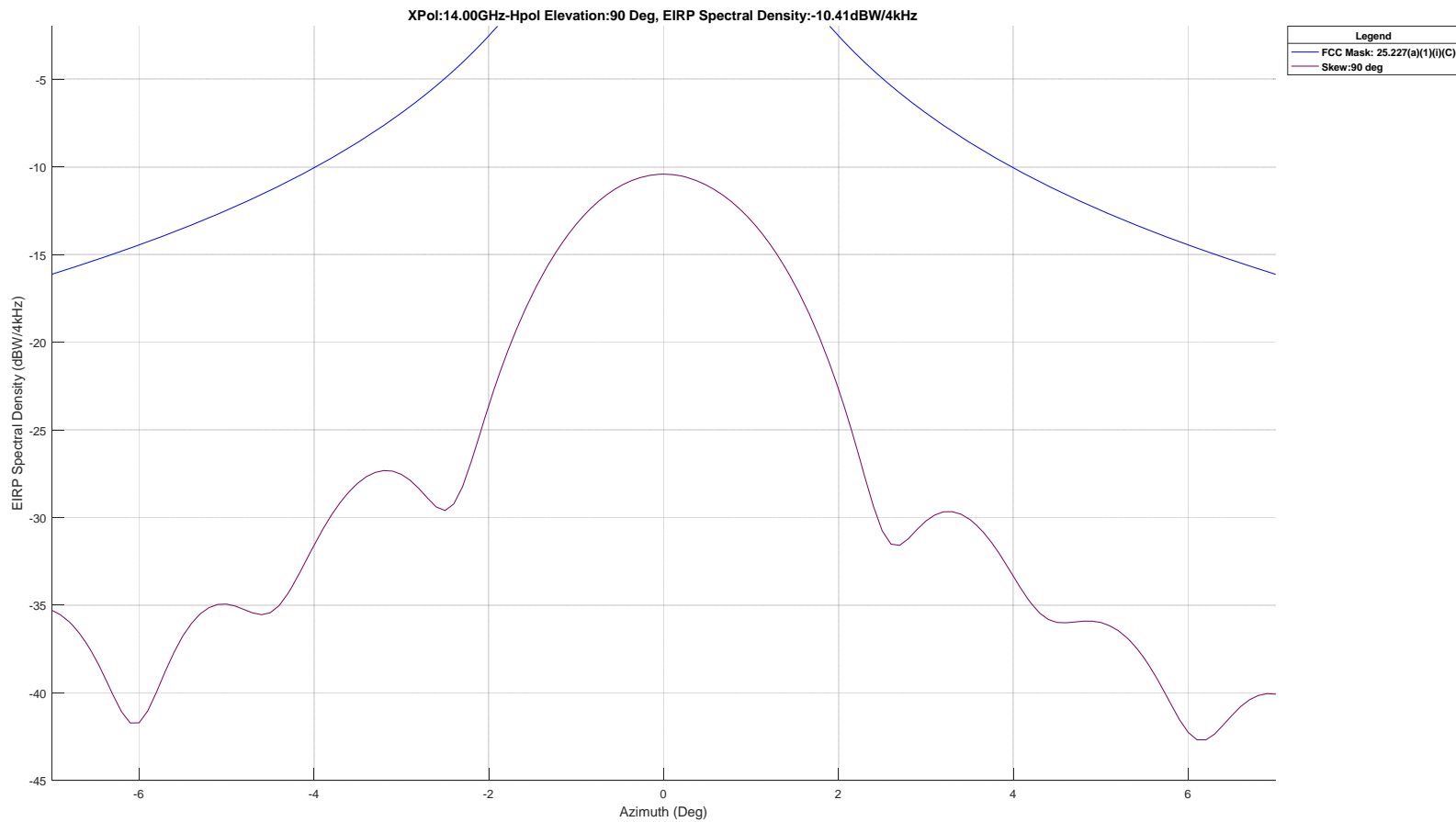
XPOL-TANGENT TO GSO PLANE:14.50GHZ-HPOL ELEVATION:0 DEG, EIRP SPECTRAL DENSITY:-22.47DBW/4KHZ



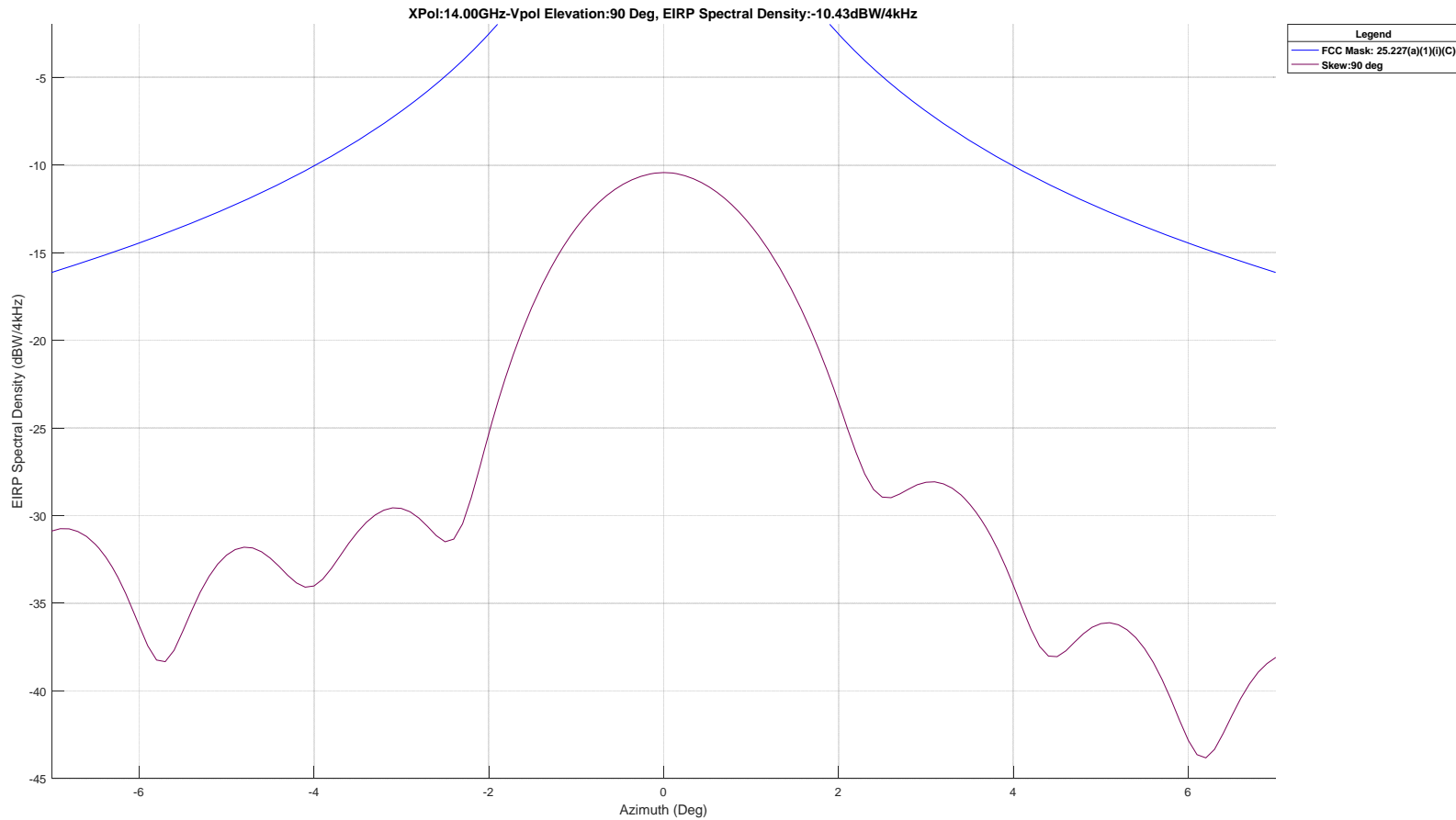
XPOL-TANGENT TO GSO PLANE:14.50GHZ-VPOL ELEVATION:0 DEG, EIRP SPECTRAL DENSITY:-22.48DBW/4KHZ



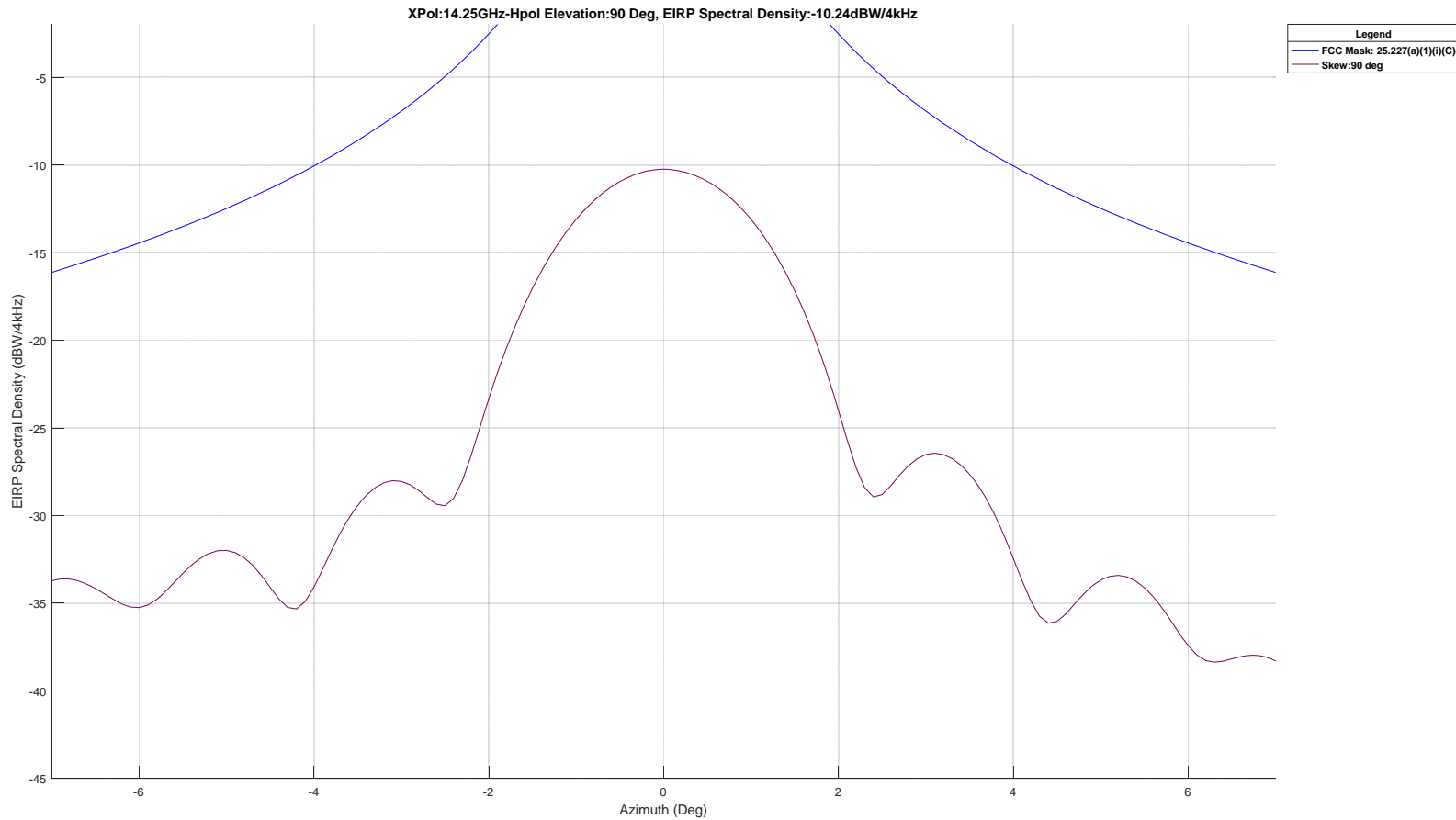
XPOL-TANGENT TO GSO PLANE:14.00GHZ-HPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:-10.41DBW/4KHZ



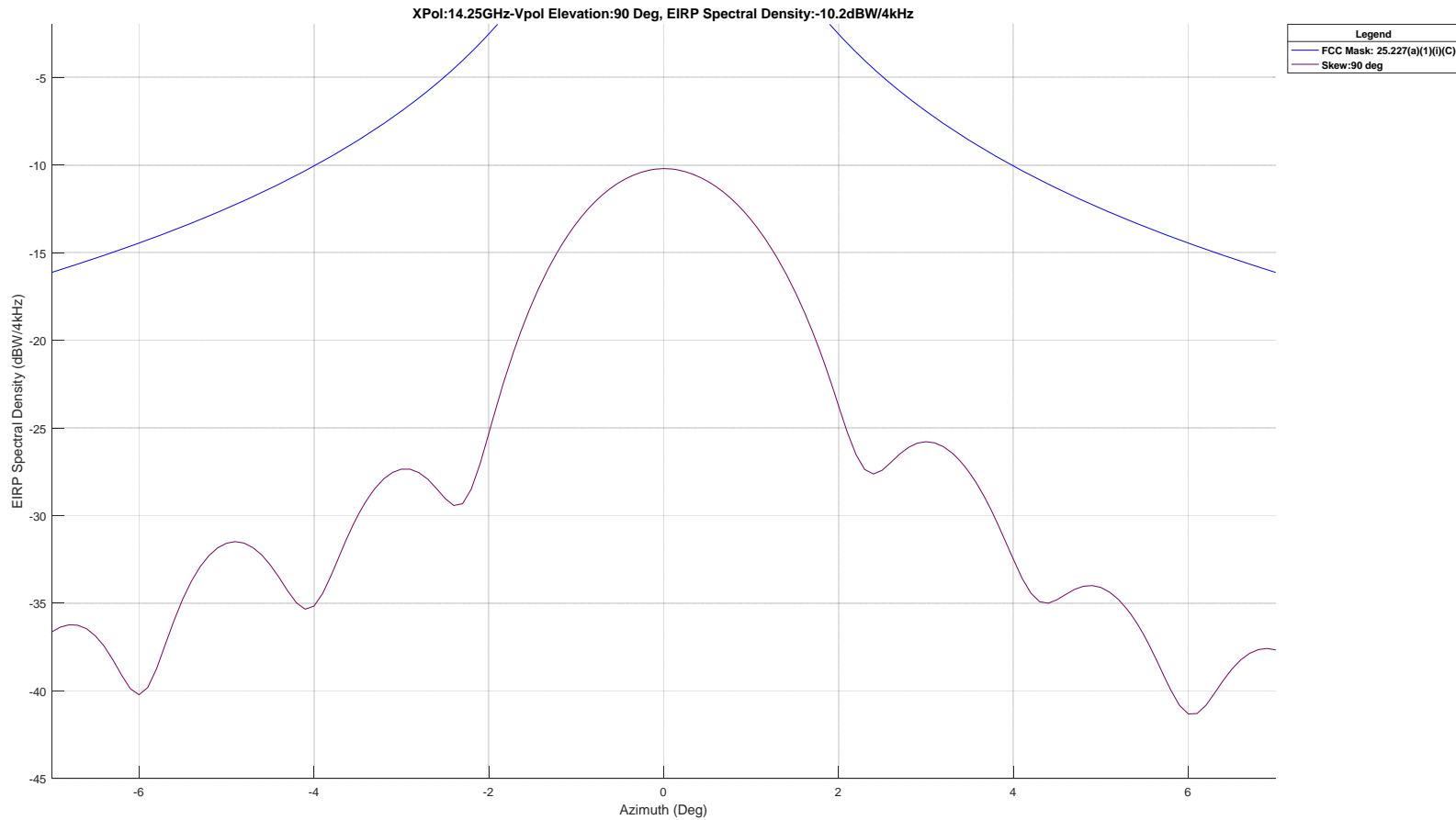
XPOL-TANGENT TO GSO PLANE:14.00GHZ-VPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:-10.43DBW/4KHZ



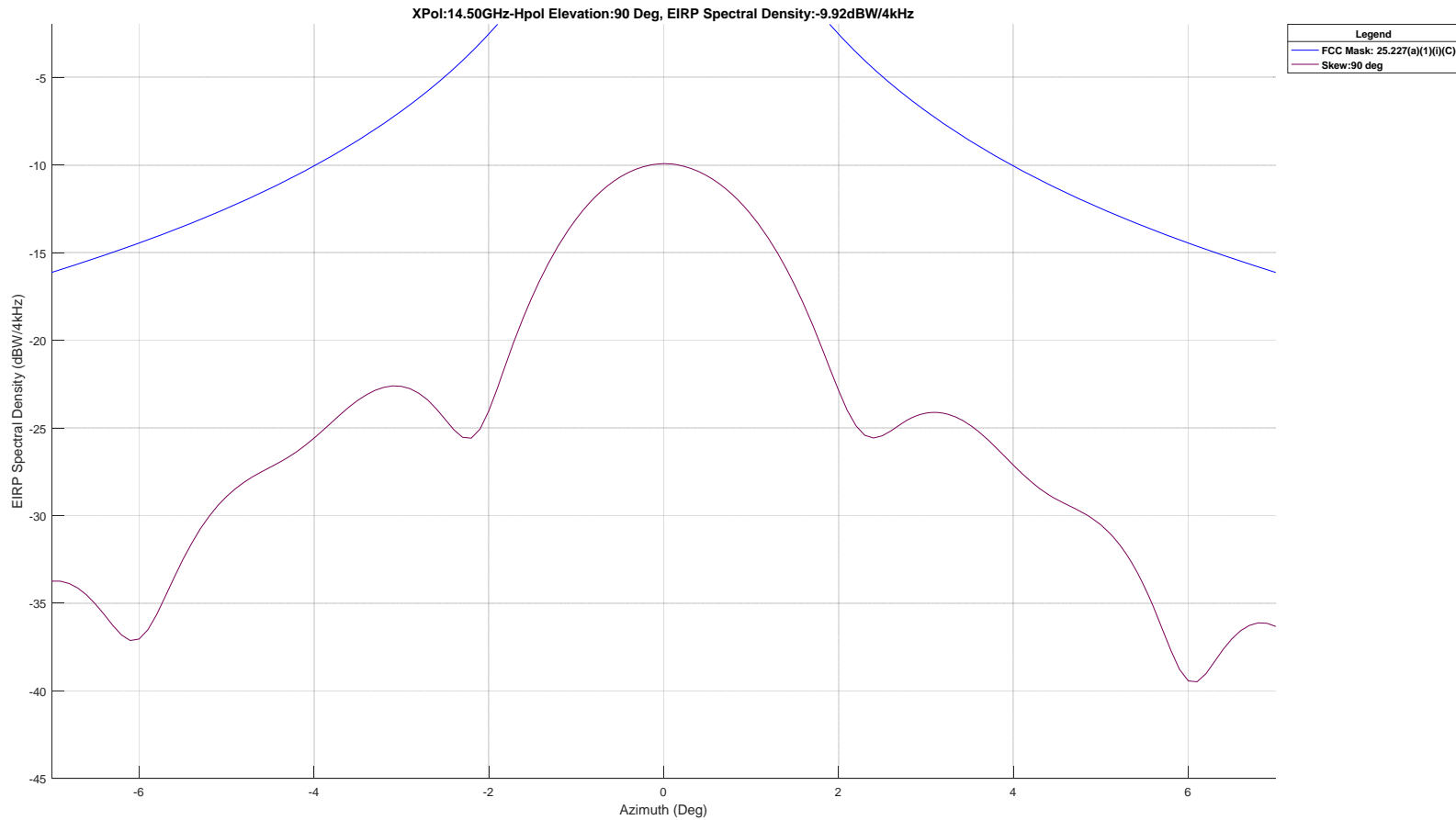
XPOL-TANGENT TO GSO PLANE:14.25GHZ-HPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:-10.24DBW/4KHZ



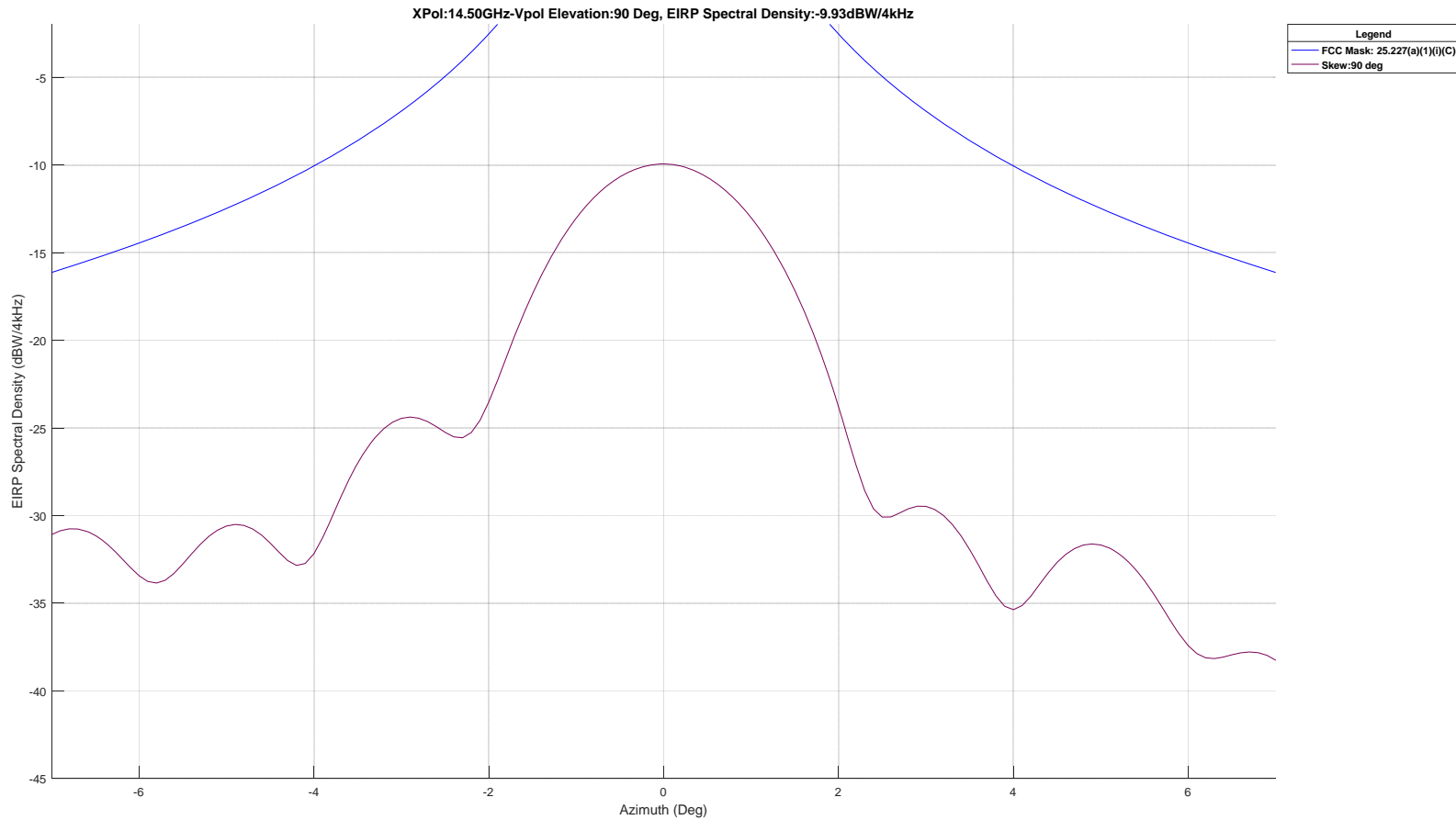
XPOL-TANGENT TO GSO PLANE:14.25GHZ-VPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:-10.2DBW/4KHZ



XPOL-TANGENT TO GSO PLANE:14.50GHZ-HPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:-9.92DBW/4KHZ



XPOL-TANGENT TO GSO PLANE:14.50GHZ-VPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:-9.93DBW/4KHZ



GSAA EIRP SPECTRAL DENSITY
PLOTS – PERPENDICULAR PLANE
TO GSO CROSS POL WITH
25.227(A)(1)(I)(C) MASK



DESCRIPTION

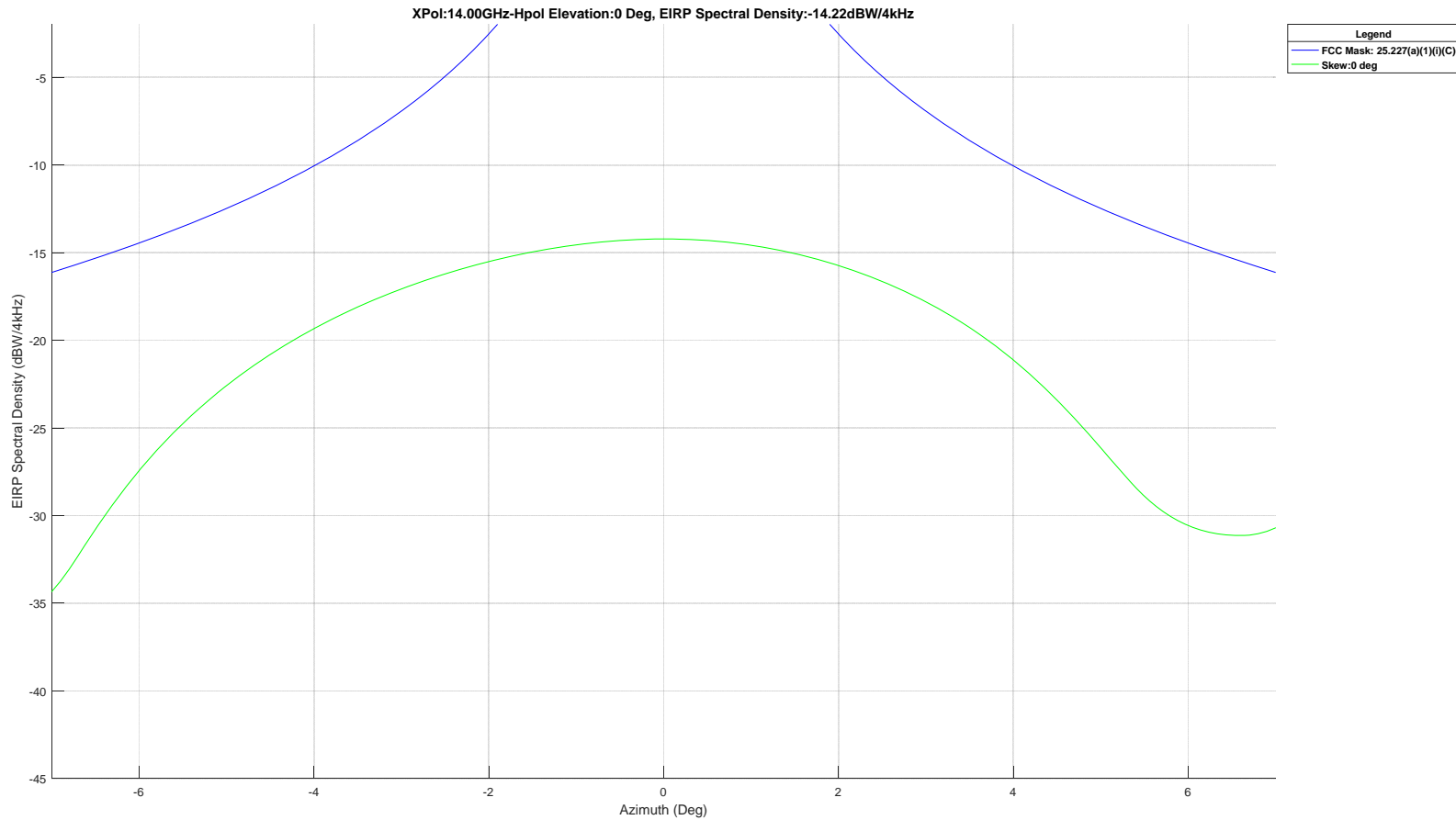
- EIRP Spectral Density plots are at 14.00 GHz, 14.25 GHz and 14.50 GHz for both vertical and horizontal polarization for the following Skew and Elevation Angles as it is mapped to the maximum EIRP spectral density in dBW/4kHz (in **BOLD**):

DESCRIPTION

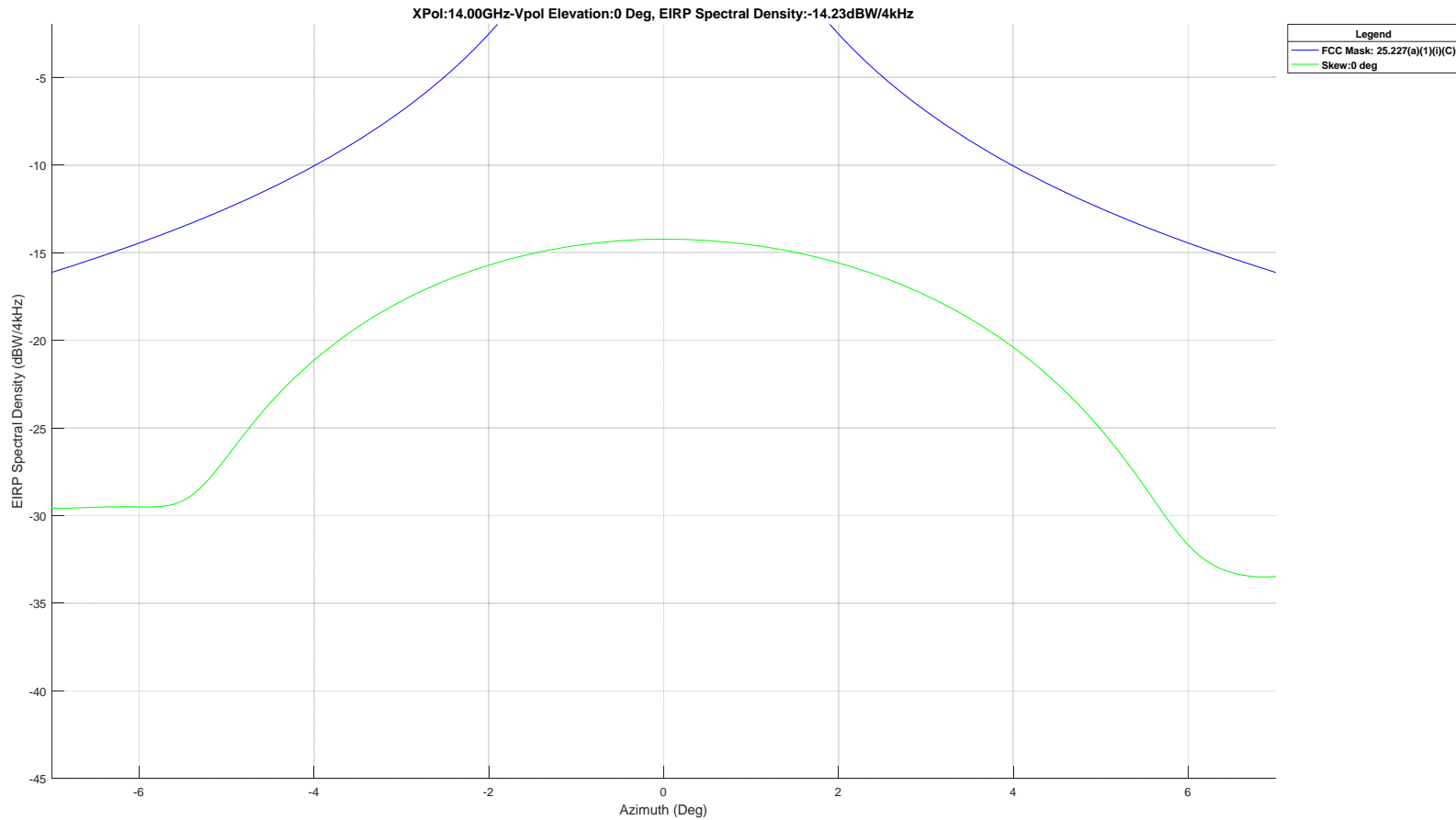
Perpendicular Plane to GSO Cross Pol ESD Plots as they comply to FCC mask 25.227(a)(1)(i)(C)

| GSA MAXIMUM EIRP SPECTRAL DENSITY (dBW/4kHz) | | | | | | | | | | | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elevation(deg)\Skew(deg) | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 |
| 0 | -13.71 | -13.47 | -12.57 | -11.48 | -10.18 | -8.70 | -6.04 | -4.88 | -4.54 | -3.29 | -2.40 | -1.79 | -2.74 | -2.08 | -2.01 | -0.98 | -1.59 | -4.77 | -6.48 |
| 5 | -13.71 | -13.47 | -12.57 | -11.48 | -10.18 | -8.70 | -6.04 | -4.88 | -4.54 | -3.29 | -2.40 | -1.79 | -2.74 | -2.08 | -2.01 | -0.98 | -1.59 | -4.77 | -6.48 |
| 10 | -13.71 | -13.47 | -12.57 | -11.48 | -10.18 | -8.70 | -6.04 | -4.88 | -4.54 | -3.29 | -2.40 | -1.79 | -2.74 | -2.08 | -2.01 | -0.98 | -1.59 | -4.77 | -6.48 |
| 15 | -13.71 | -13.71 | -13.14 | -12.25 | -10.86 | -9.04 | -6.98 | -5.21 | -4.22 | -3.97 | -2.80 | -1.93 | -2.47 | -2.87 | -2.22 | -1.66 | -1.00 | -3.04 | -5.91 |
| 20 | -13.71 | -13.71 | -13.14 | -12.25 | -10.86 | -9.04 | -6.98 | -5.21 | -4.22 | -3.97 | -2.80 | -1.93 | -2.47 | -2.87 | -2.22 | -1.66 | -1.00 | -3.04 | -5.91 |
| 25 | -13.71 | -13.71 | -13.47 | -12.57 | -11.48 | -10.18 | -8.70 | -6.04 | -4.88 | -4.54 | -3.29 | -2.40 | -1.79 | -2.74 | -2.08 | -2.01 | -0.98 | -1.59 | -4.77 |
| 30 | -13.71 | -13.71 | -13.47 | -12.57 | -11.48 | -10.18 | -8.70 | -6.04 | -4.88 | -4.54 | -3.29 | -2.40 | -1.79 | -2.74 | -2.08 | -2.01 | -0.98 | -1.59 | -4.77 |
| 35 | -13.71 | -13.71 | -13.71 | -13.14 | -12.25 | -10.86 | -9.04 | -6.98 | -5.21 | -4.22 | -3.97 | -2.80 | -1.93 | -2.47 | -2.87 | -2.22 | -1.66 | -1.00 | -3.04 |
| 40 | -13.71 | -13.71 | -13.71 | -13.14 | -12.25 | -10.86 | -9.04 | -6.98 | -5.21 | -4.22 | -3.97 | -2.80 | -1.93 | -2.47 | -2.87 | -2.22 | -1.66 | -1.00 | -3.04 |
| 45 | -13.71 | -13.71 | -13.71 | -13.47 | -12.57 | -11.48 | -10.18 | -8.70 | -6.04 | -4.88 | -4.54 | -3.29 | -2.40 | -1.79 | -2.74 | -2.08 | -2.01 | -0.98 | -1.59 |
| 50 | -13.71 | -13.71 | -13.71 | -13.71 | -13.14 | -12.25 | -10.86 | -9.04 | -6.98 | -5.21 | -4.22 | -3.97 | -2.80 | -1.93 | -2.47 | -2.87 | -2.22 | -1.66 | -1.00 |
| 55 | -13.71 | -13.71 | -13.71 | -13.71 | -13.47 | -12.57 | -11.48 | -10.18 | -8.70 | -6.04 | -4.88 | -4.54 | -3.29 | -2.40 | -1.79 | -2.74 | -2.08 | -2.01 | -0.98 |
| 60 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.14 | -12.25 | -10.86 | -9.04 | -6.98 | -5.21 | -4.22 | -3.97 | -2.80 | -1.93 | -2.47 | -2.87 | -2.22 | -1.66 |
| 65 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.47 | -12.57 | -11.48 | -10.18 | -8.70 | -6.04 | -4.88 | -4.54 | -3.29 | -2.40 | -1.79 | -2.74 | -2.08 |
| 70 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.14 | -12.25 | -10.86 | -9.04 | -8.70 | -5.21 | -4.22 | -4.54 | -2.80 | -1.93 | -2.47 |
| 75 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.47 | -12.57 | -11.48 | -10.18 | -8.70 | -6.04 | -4.88 | -4.54 |
| 80 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 |
| 85 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 |
| 90 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 | -13.71 |

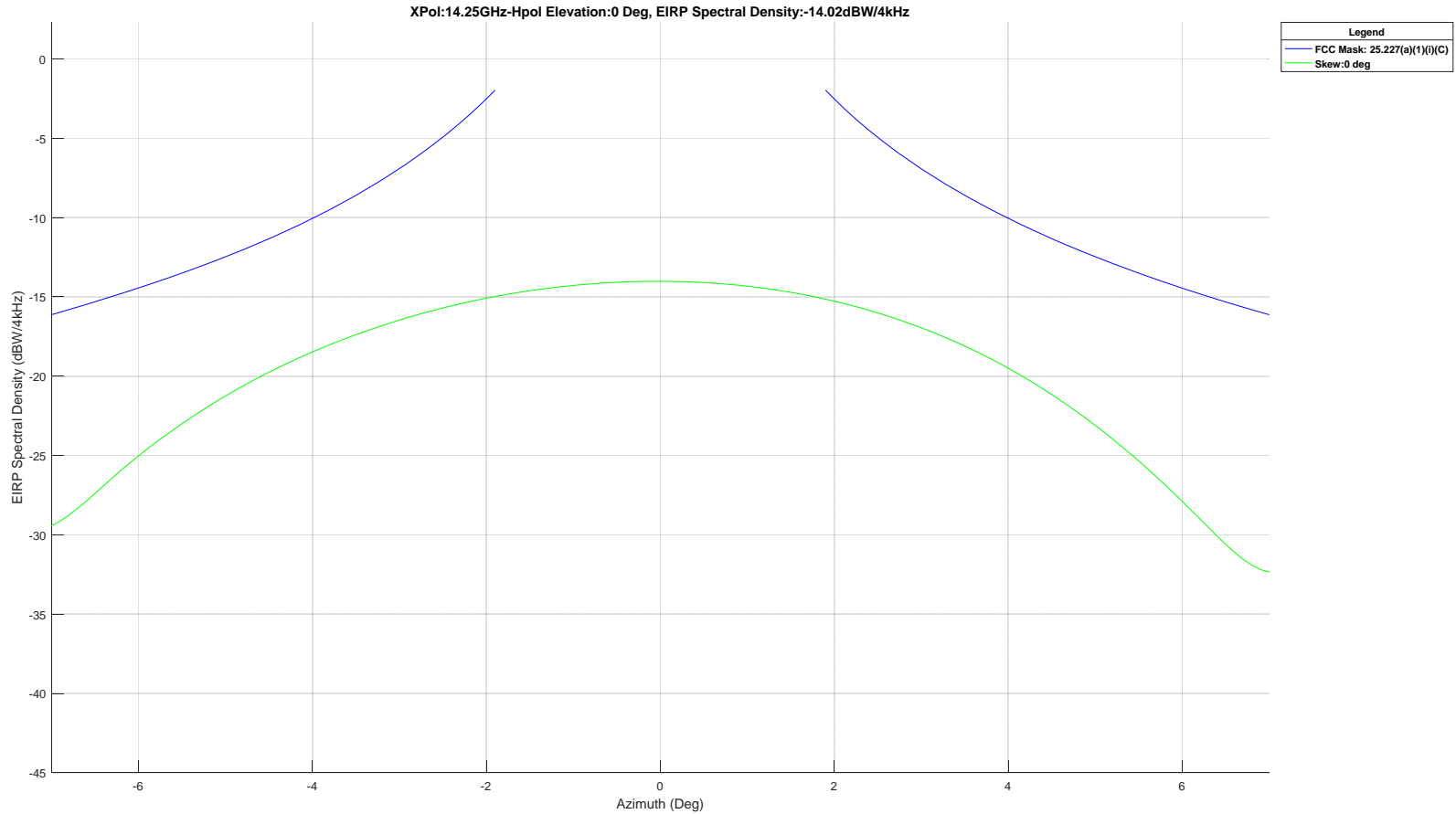
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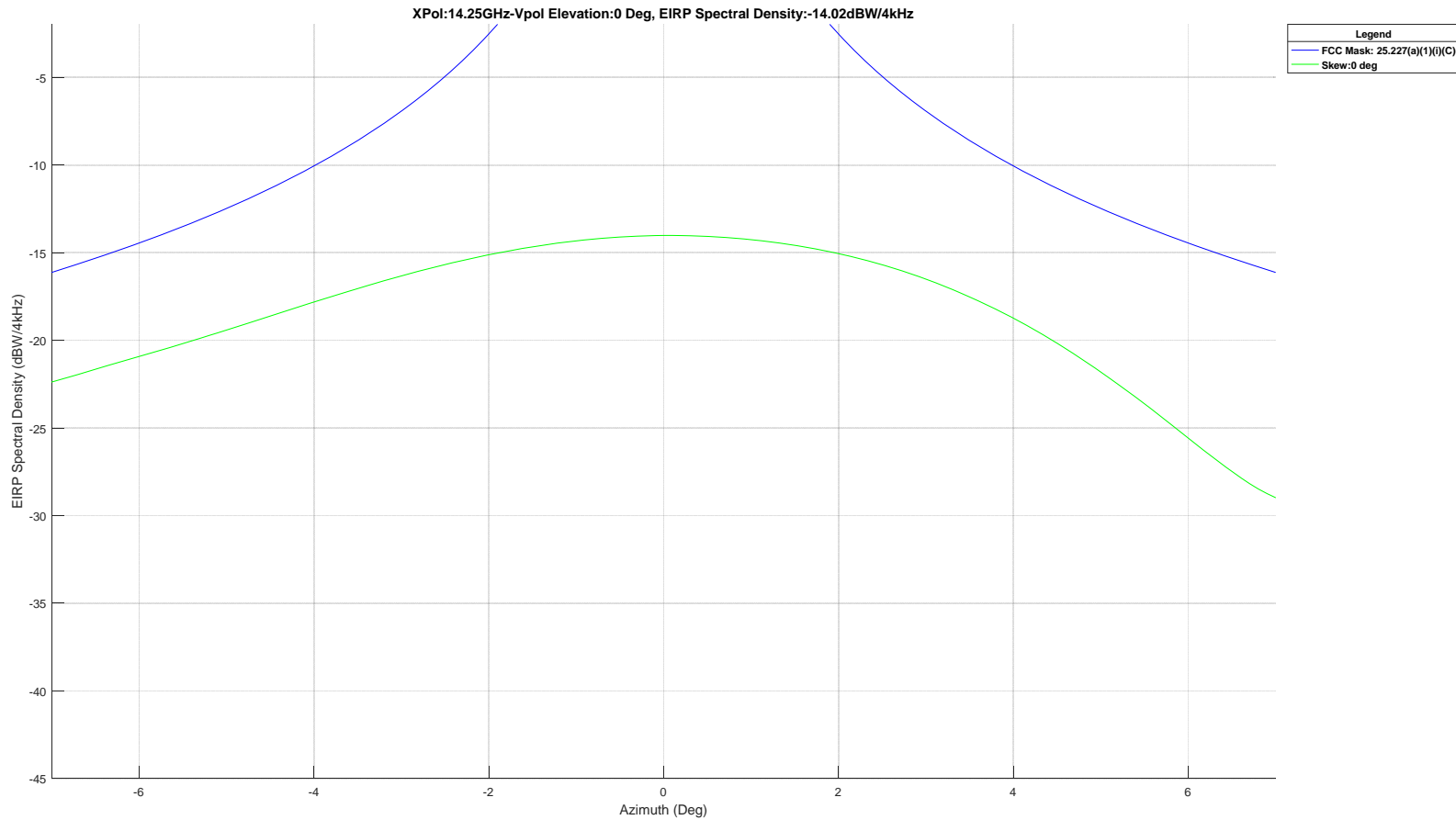
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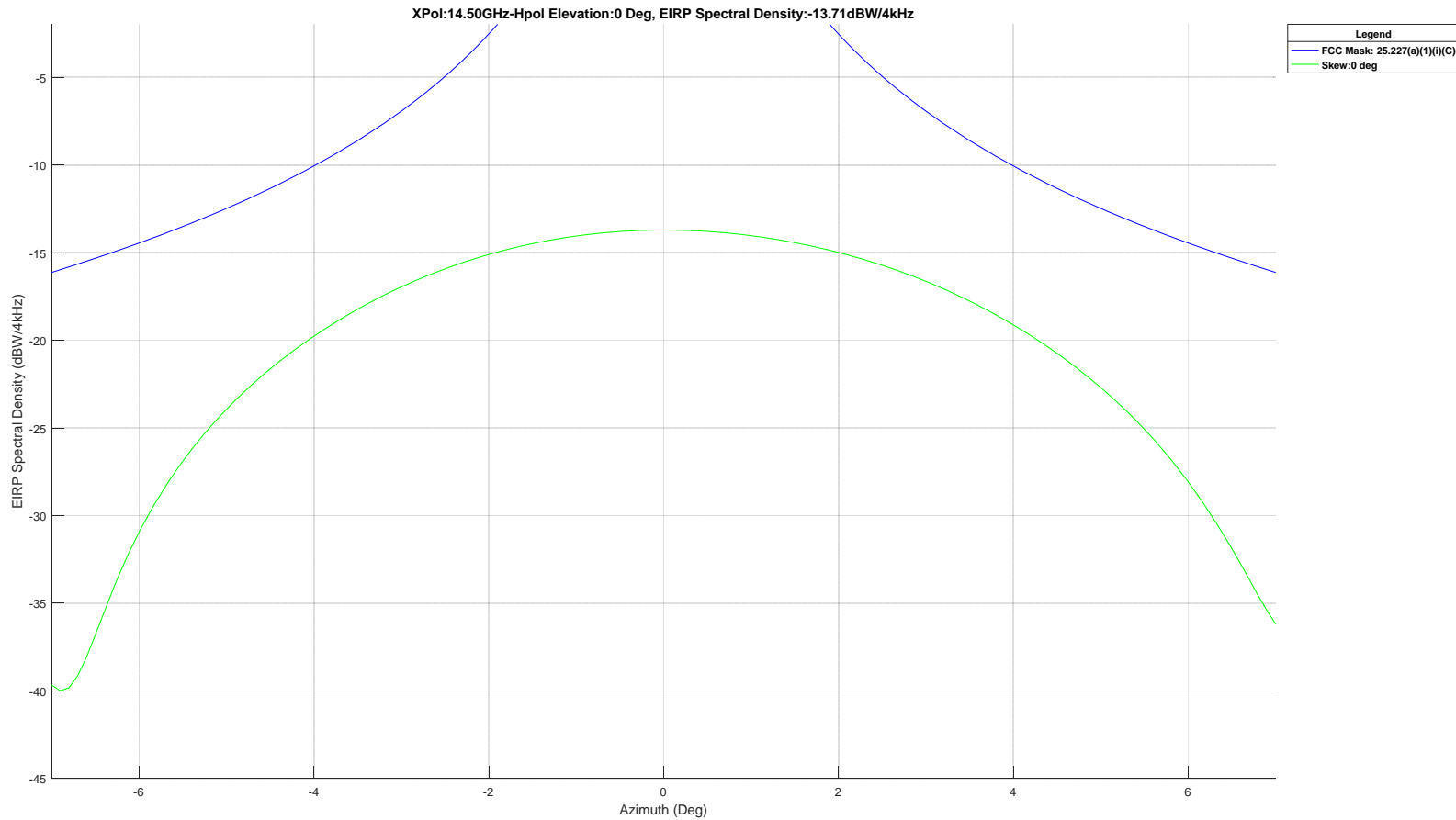
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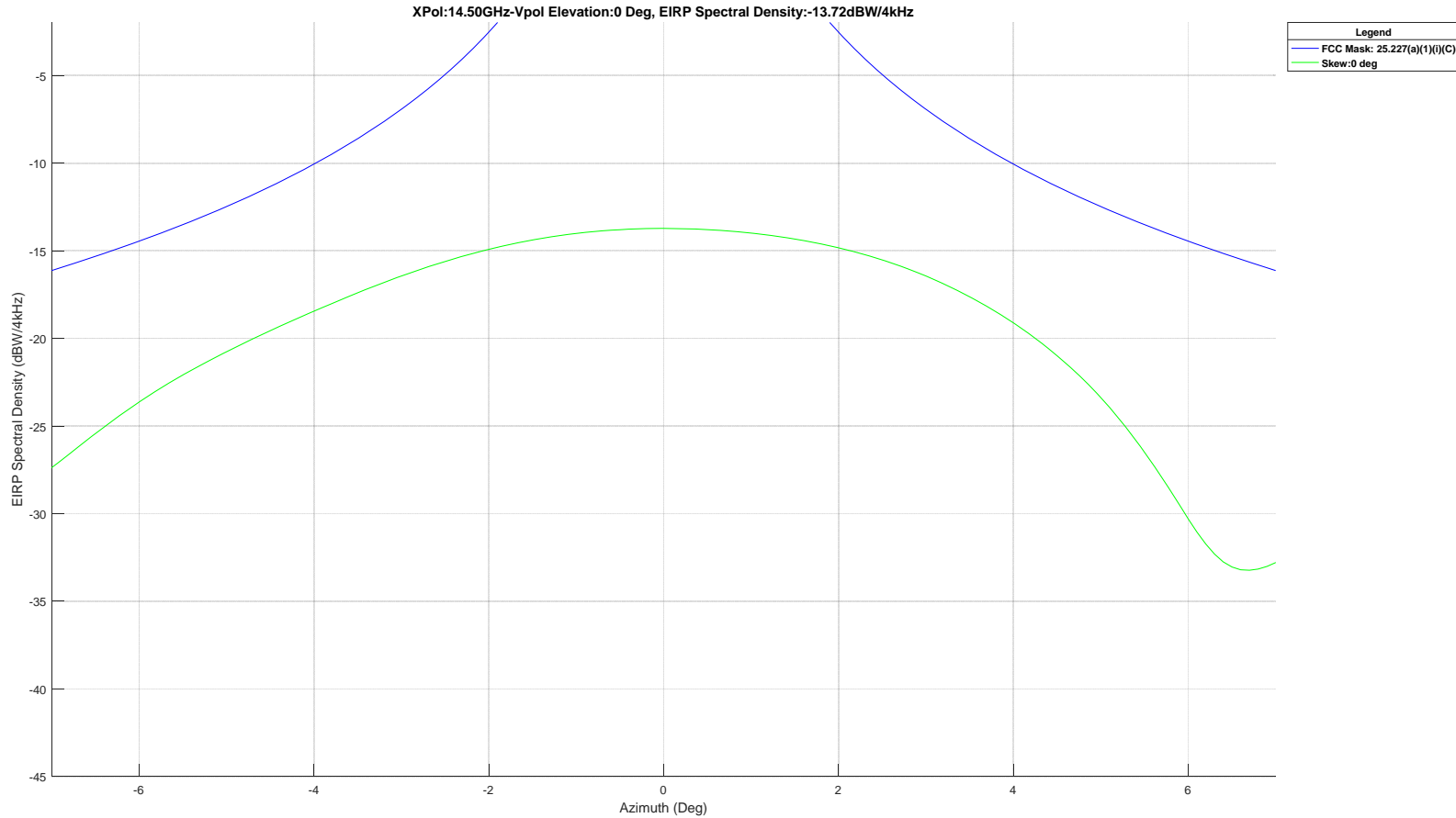
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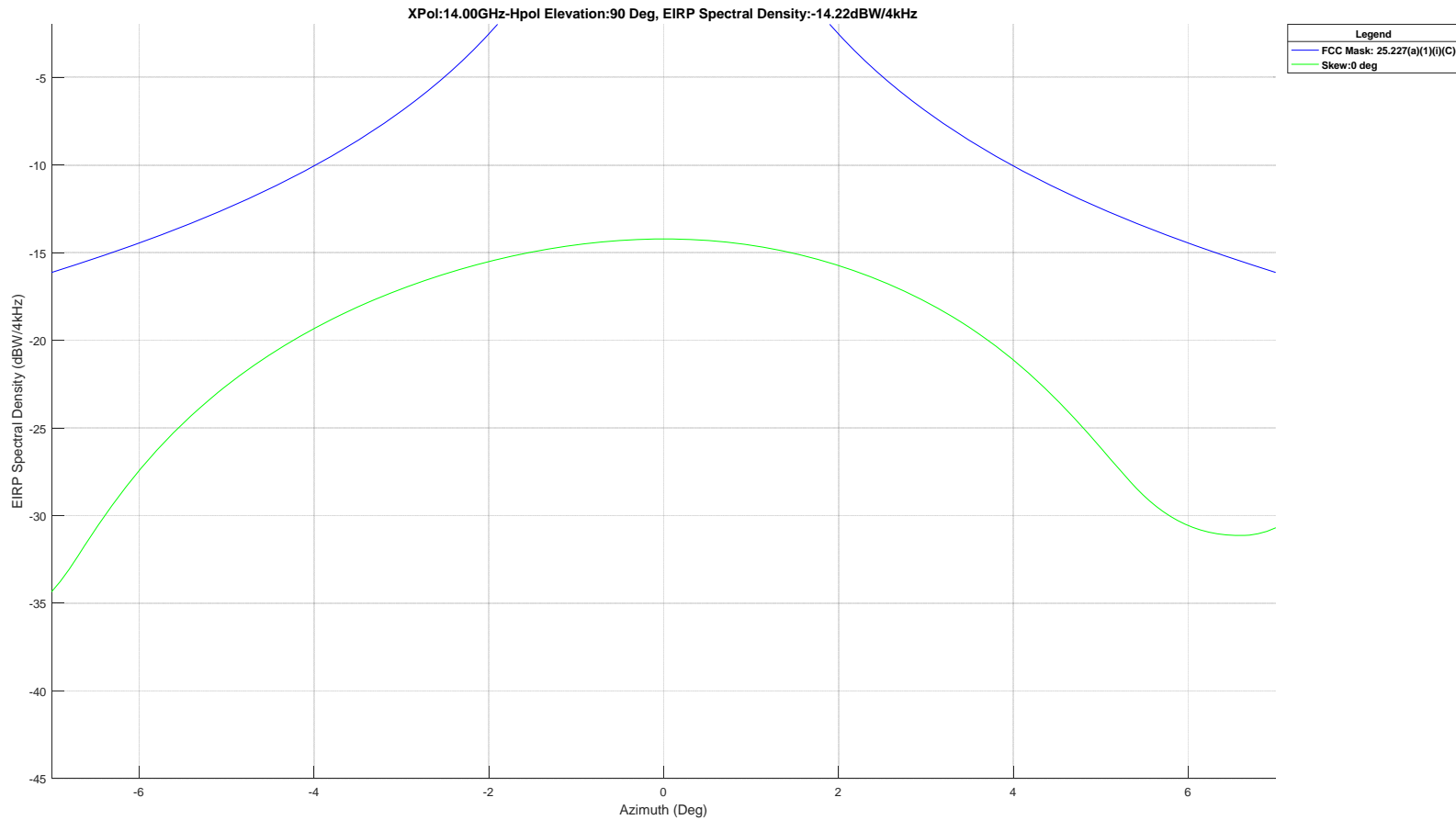
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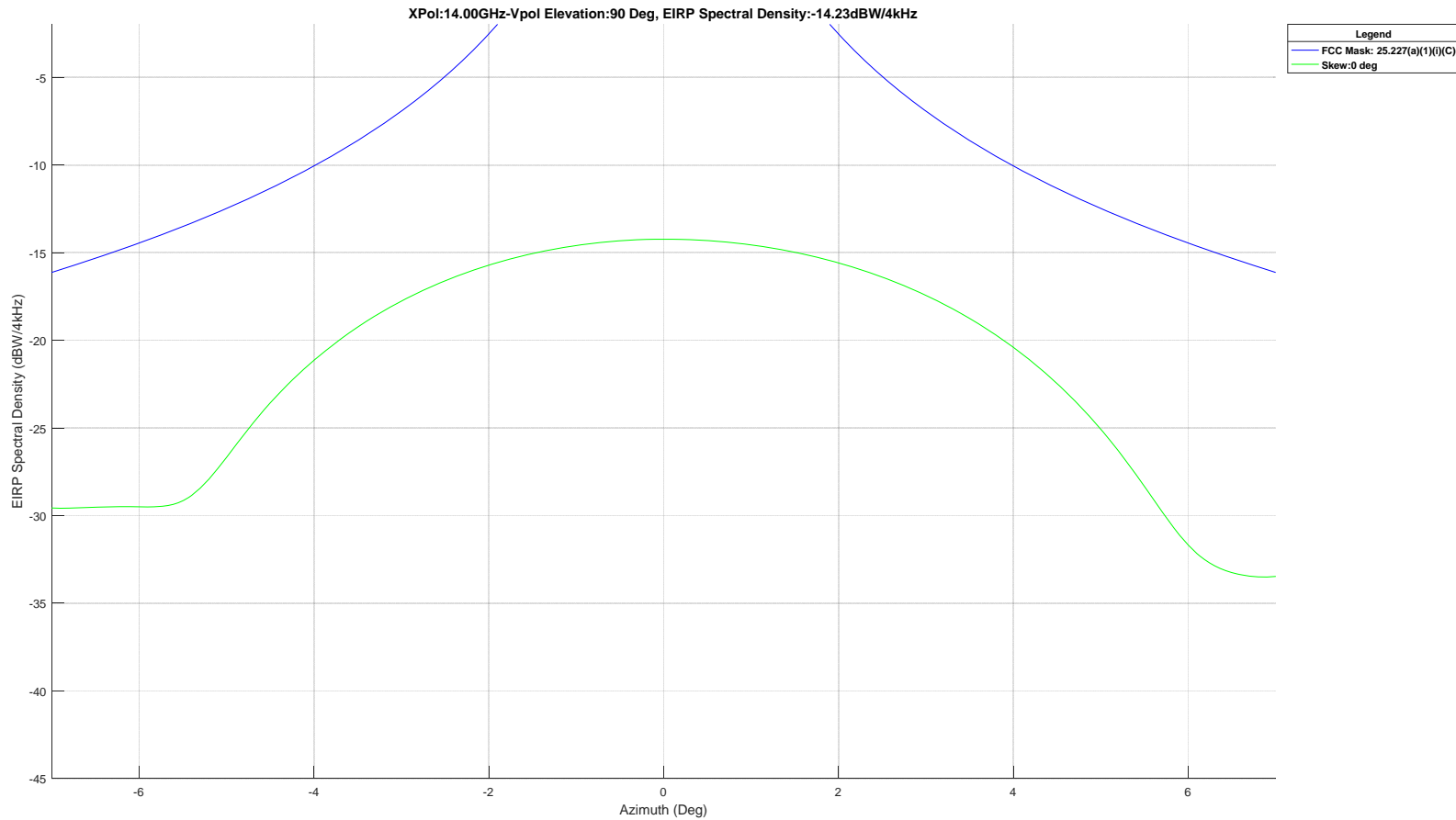
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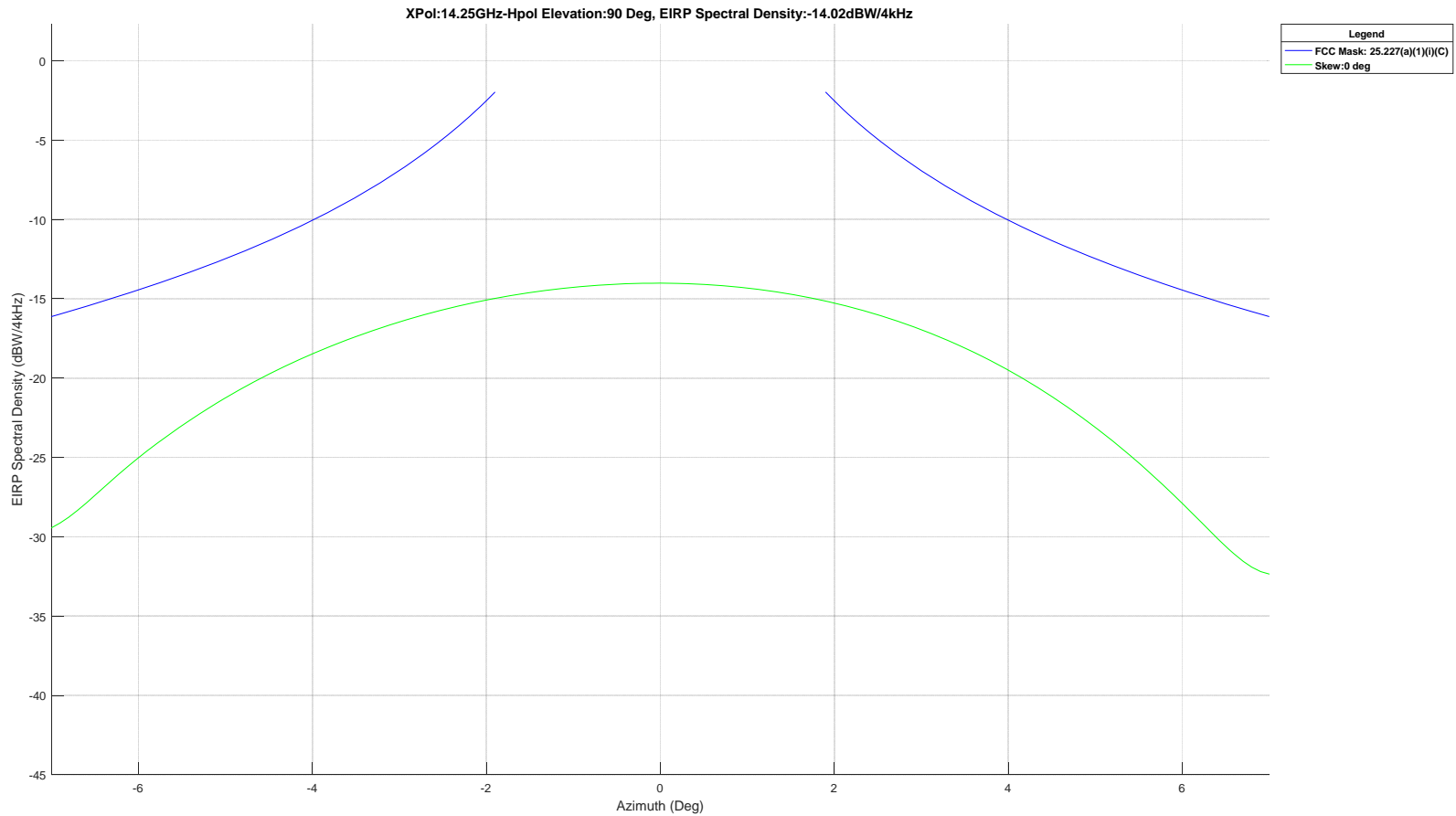
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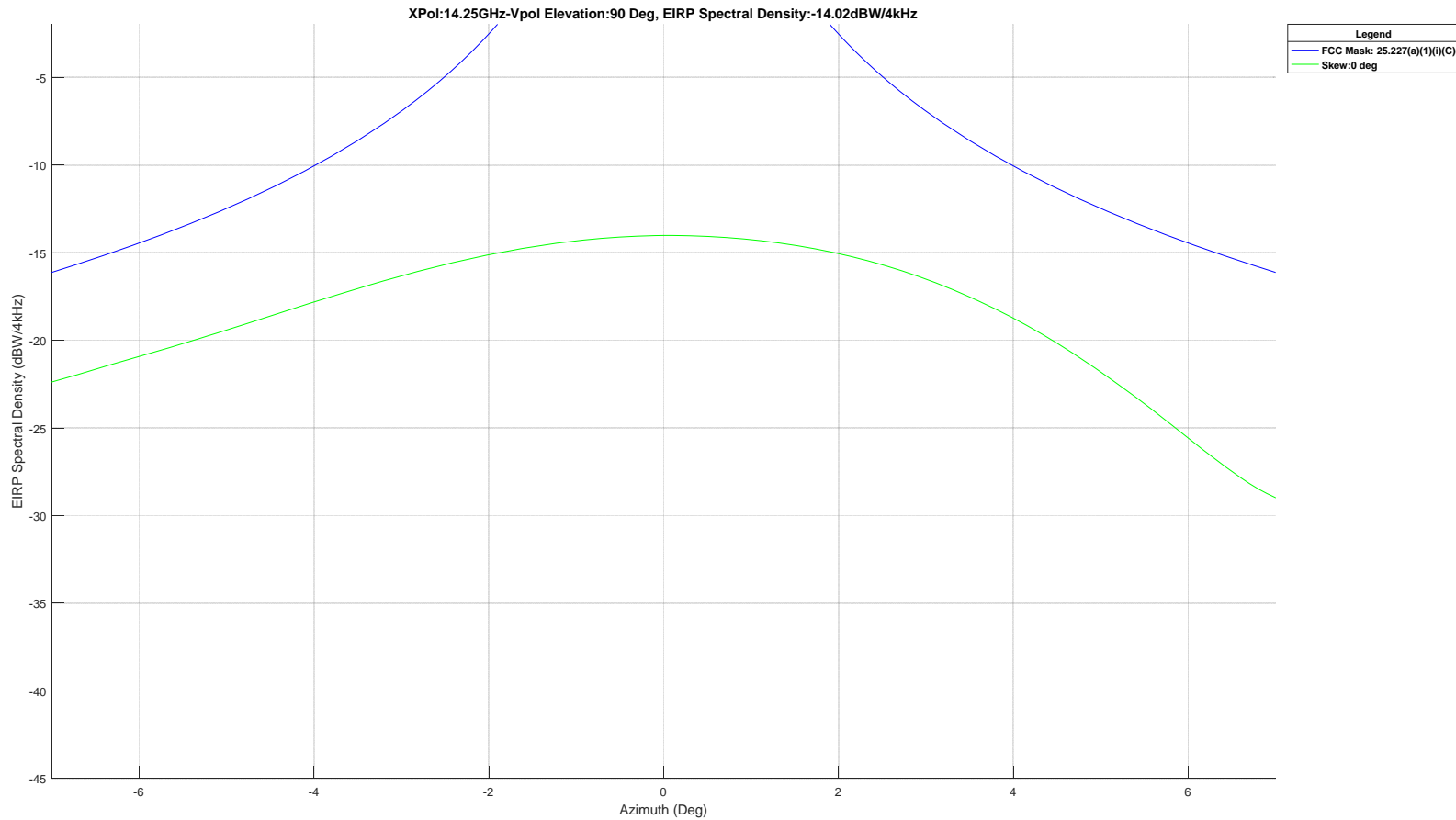
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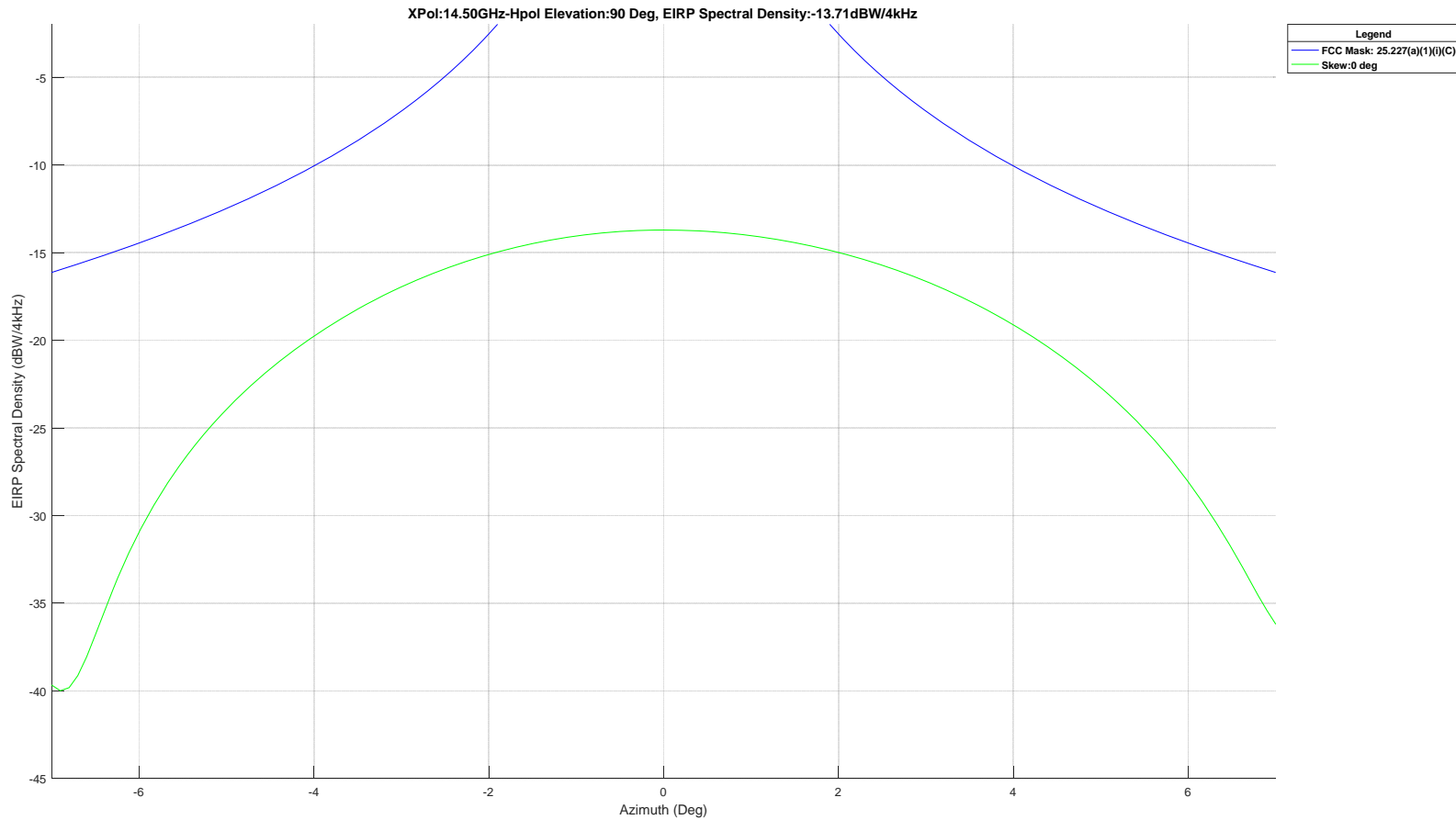
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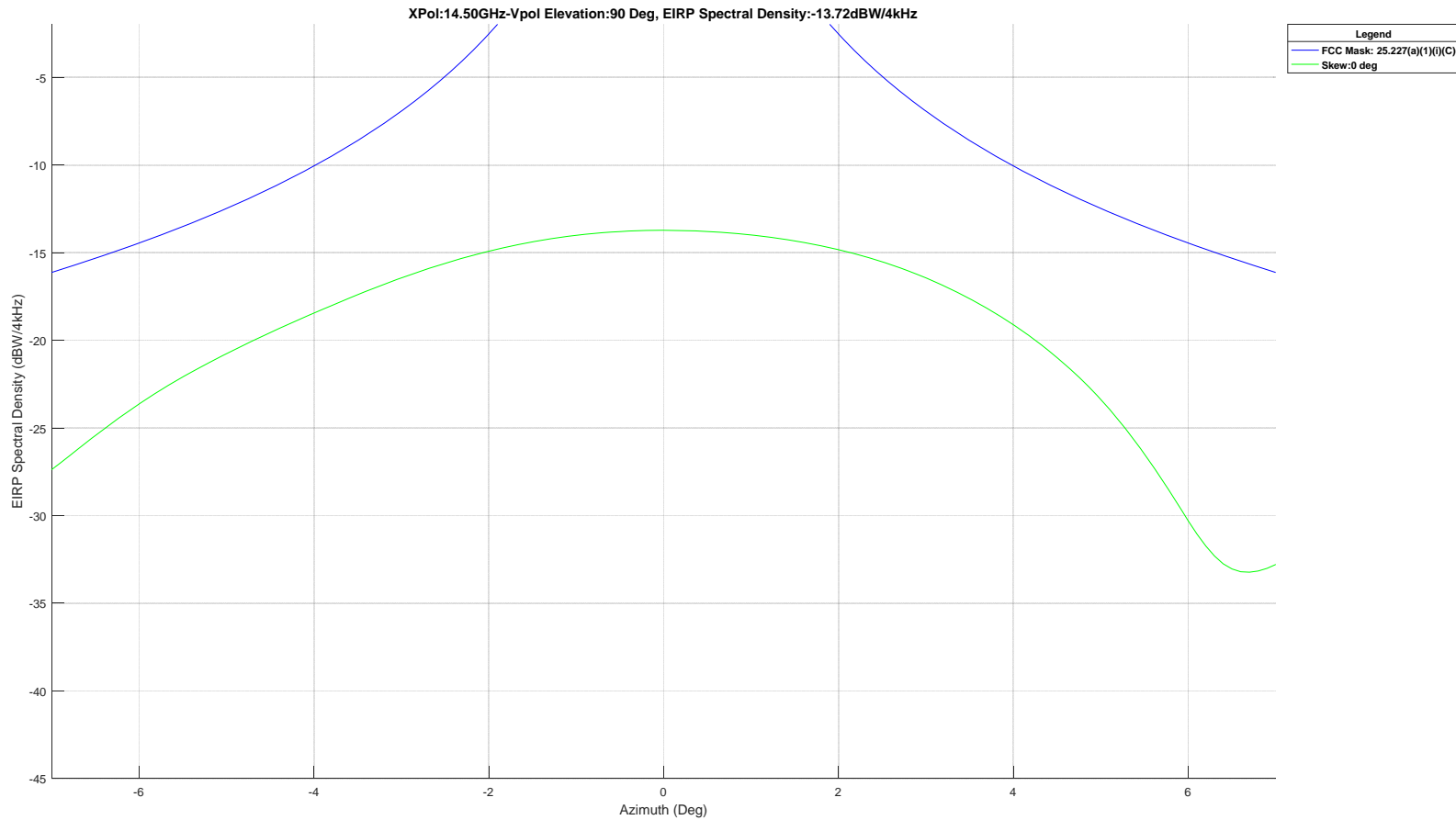
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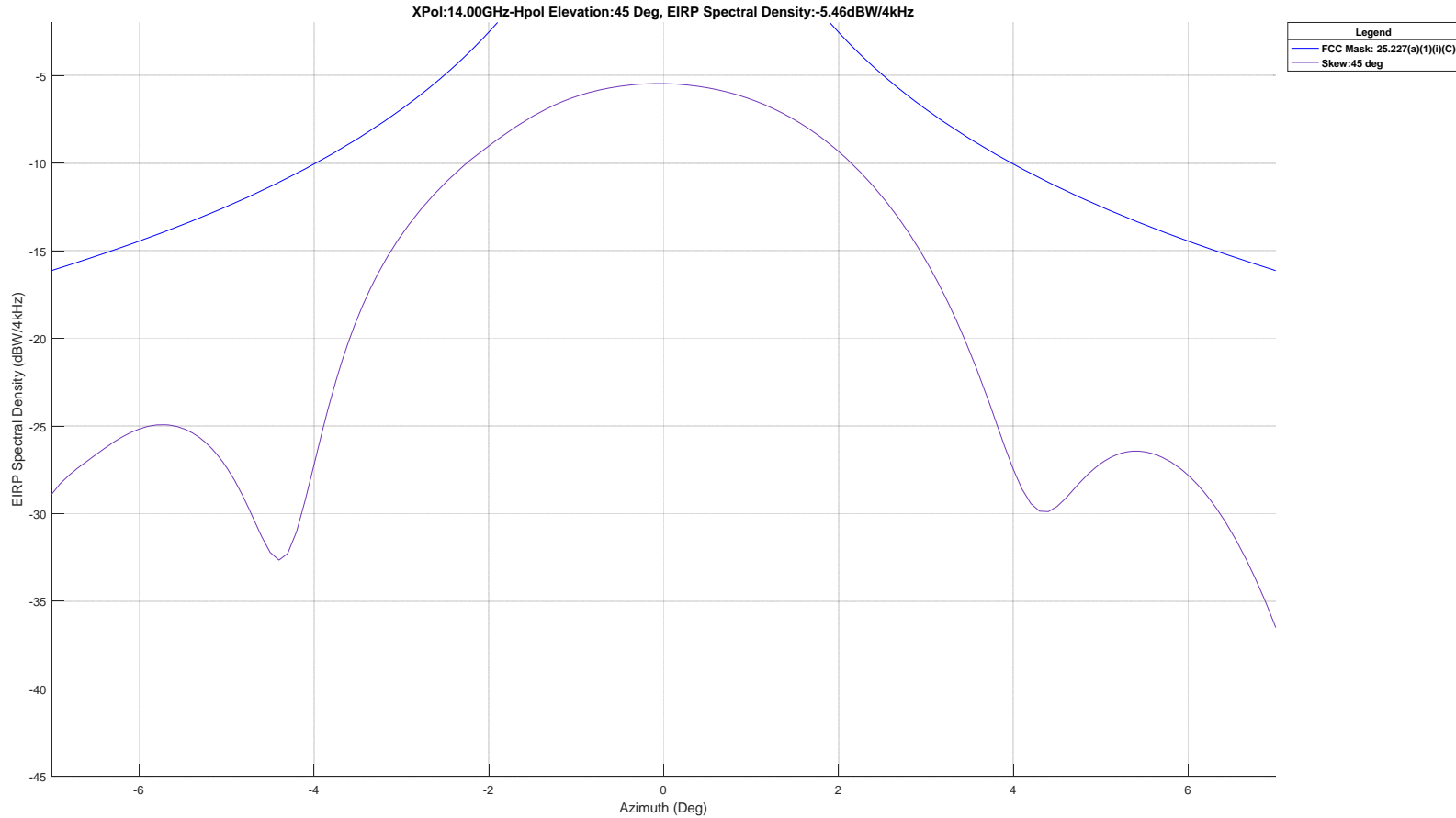
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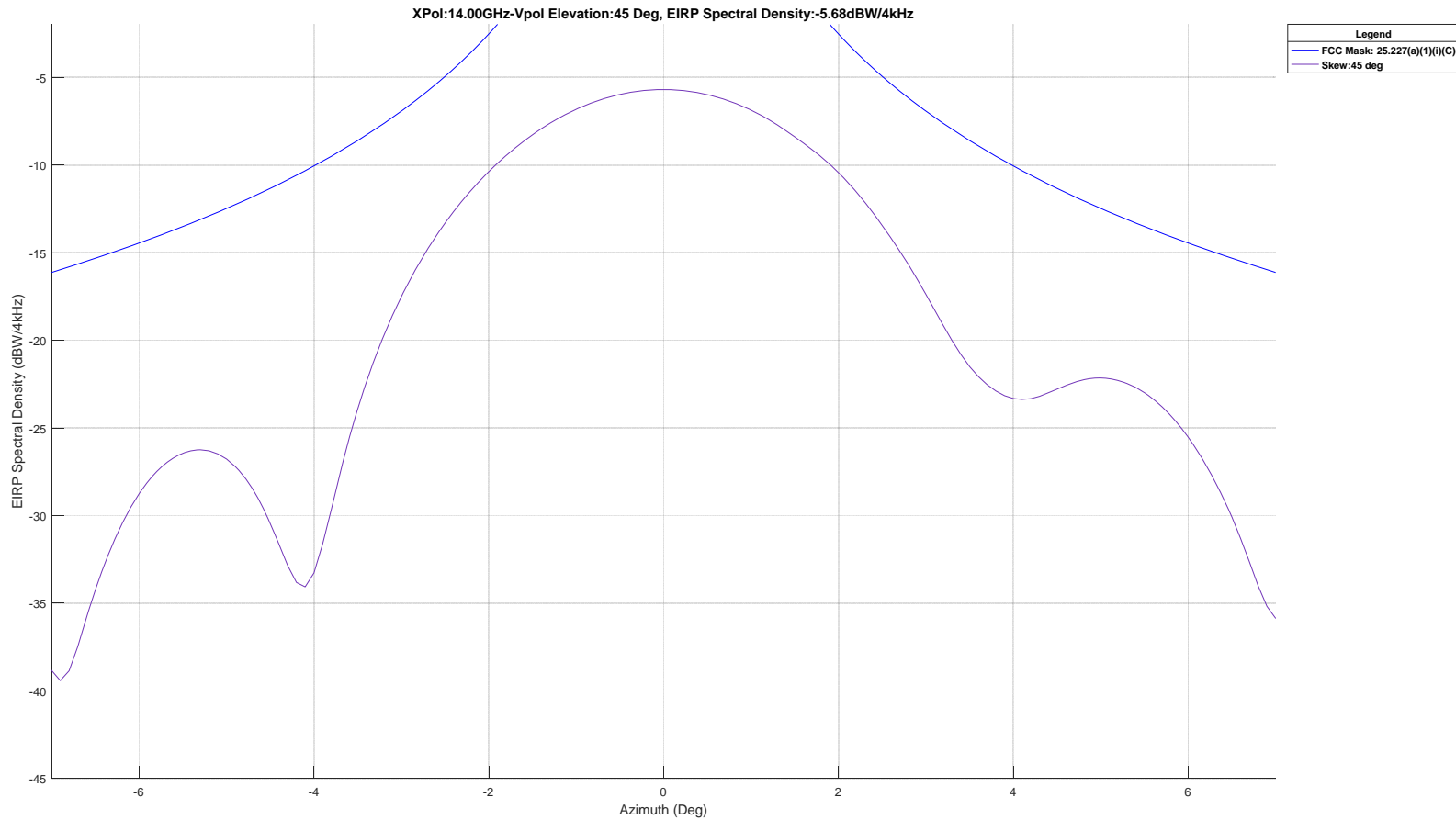
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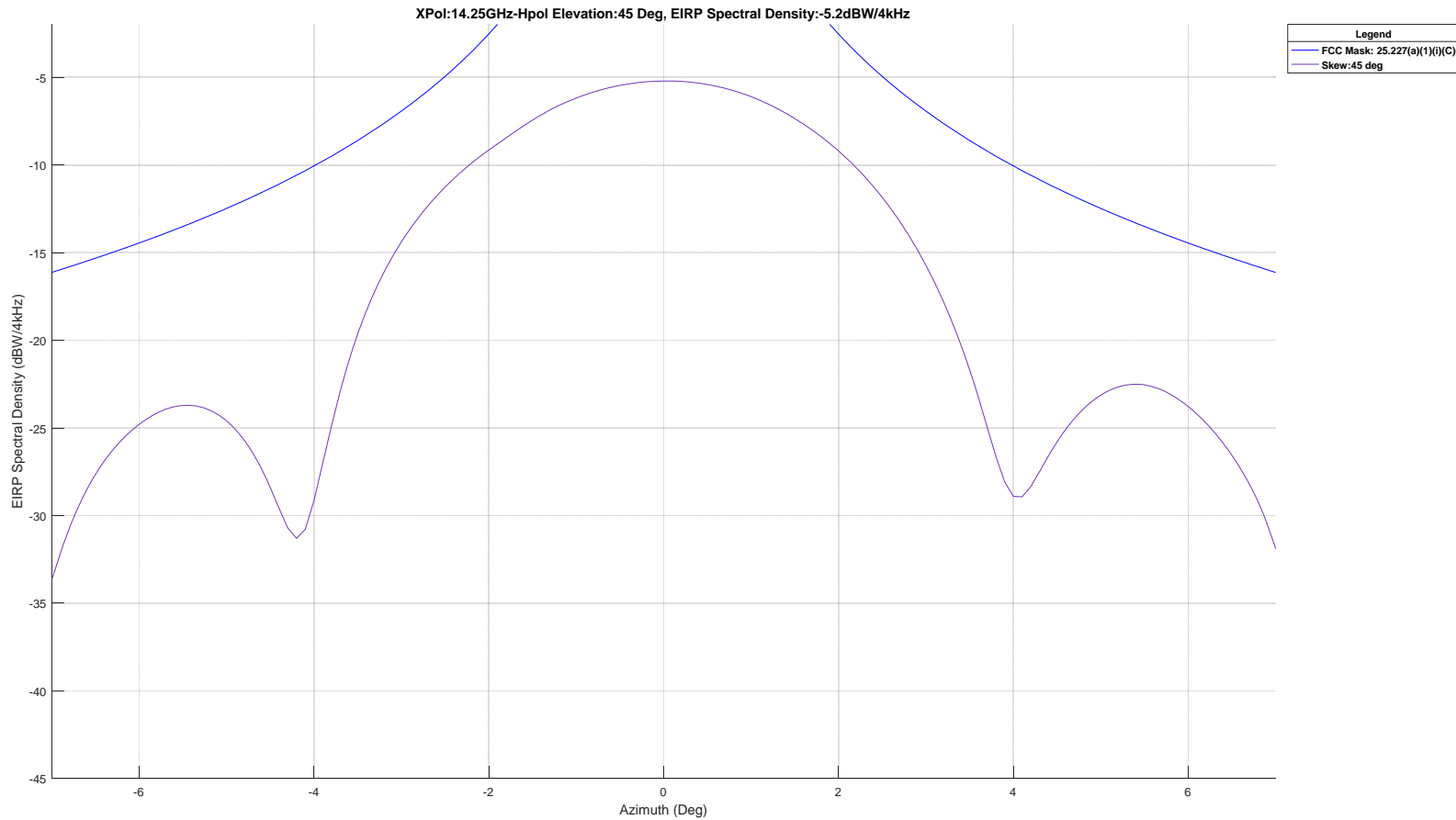
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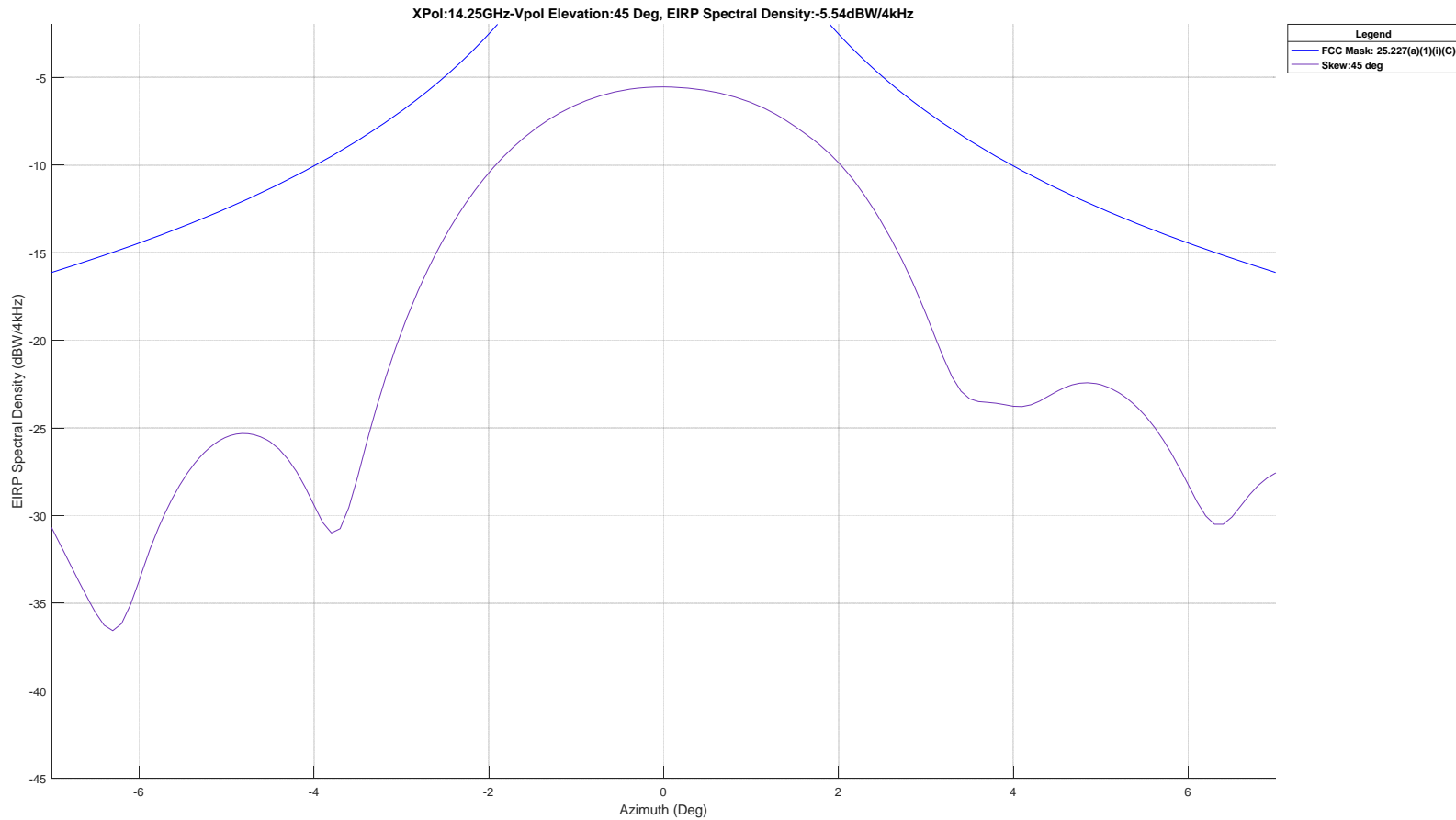
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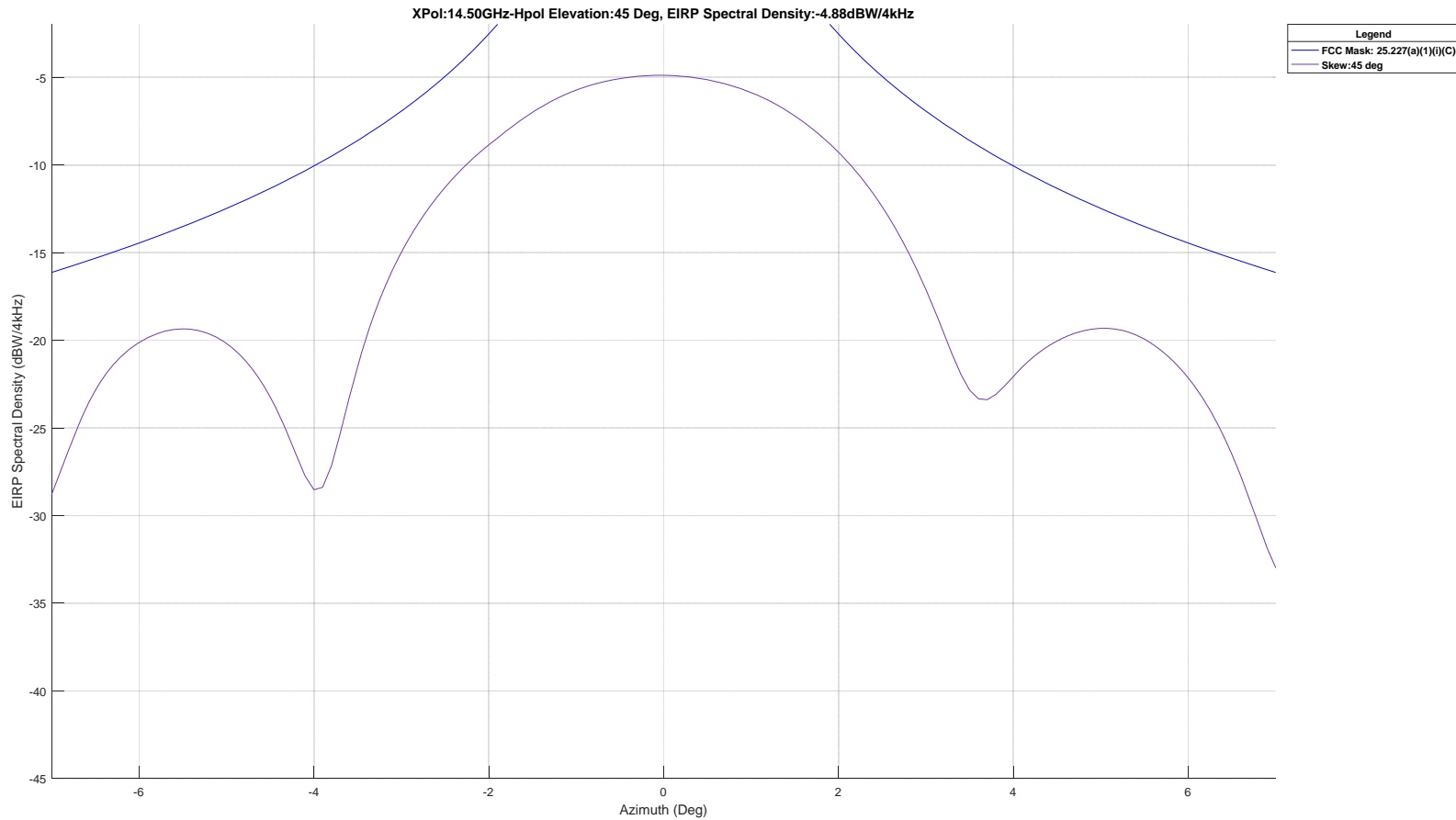
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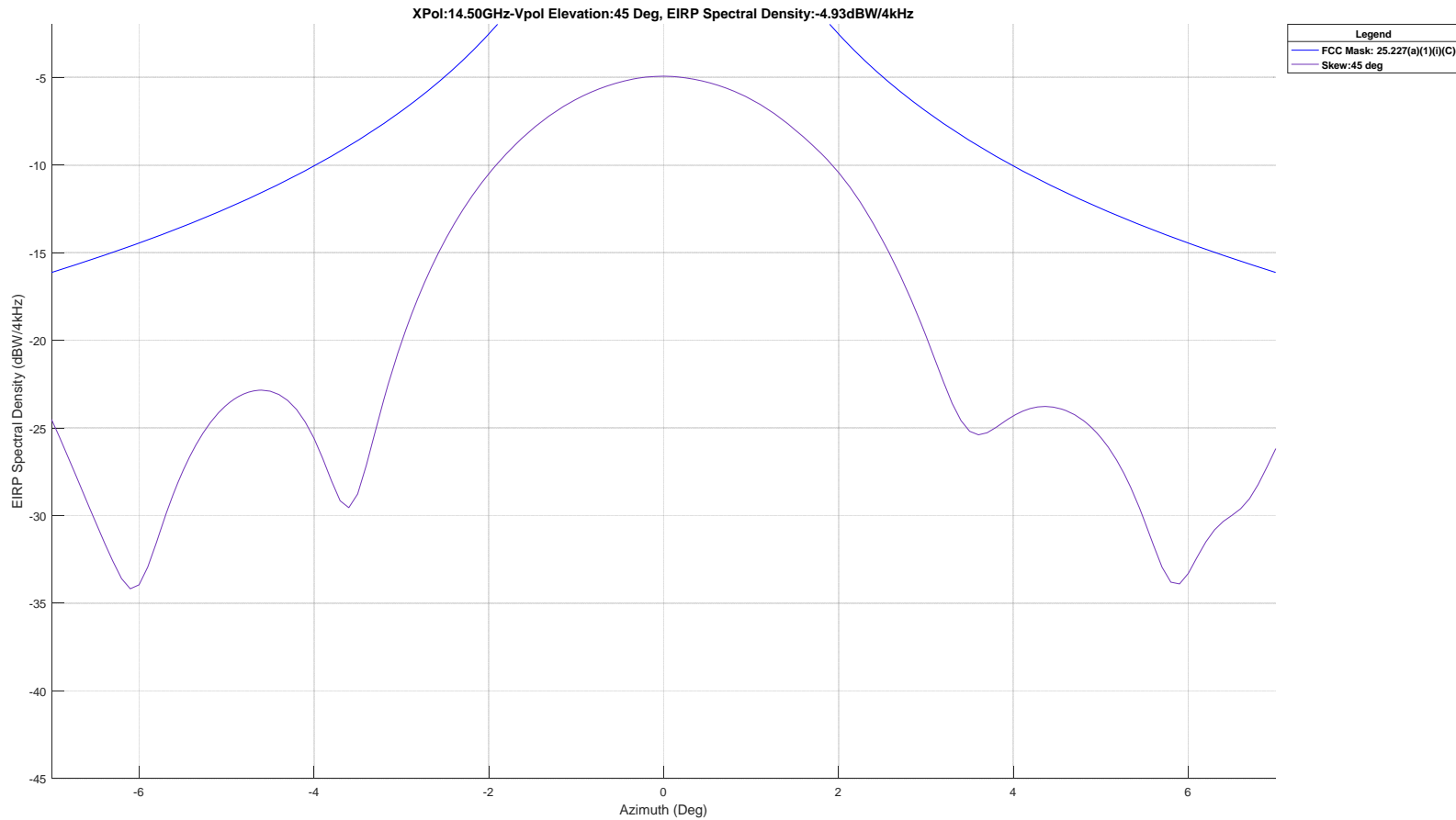
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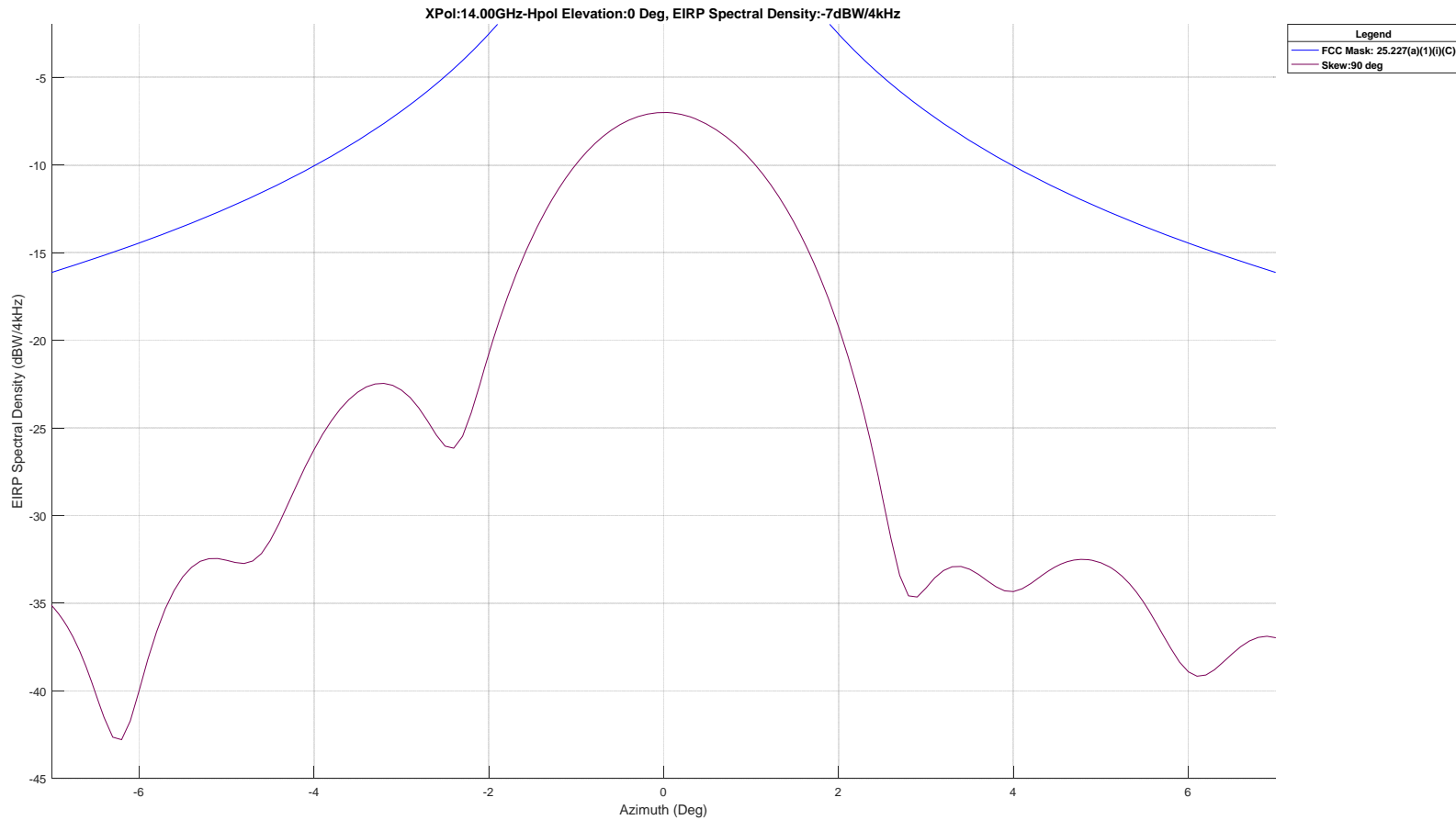
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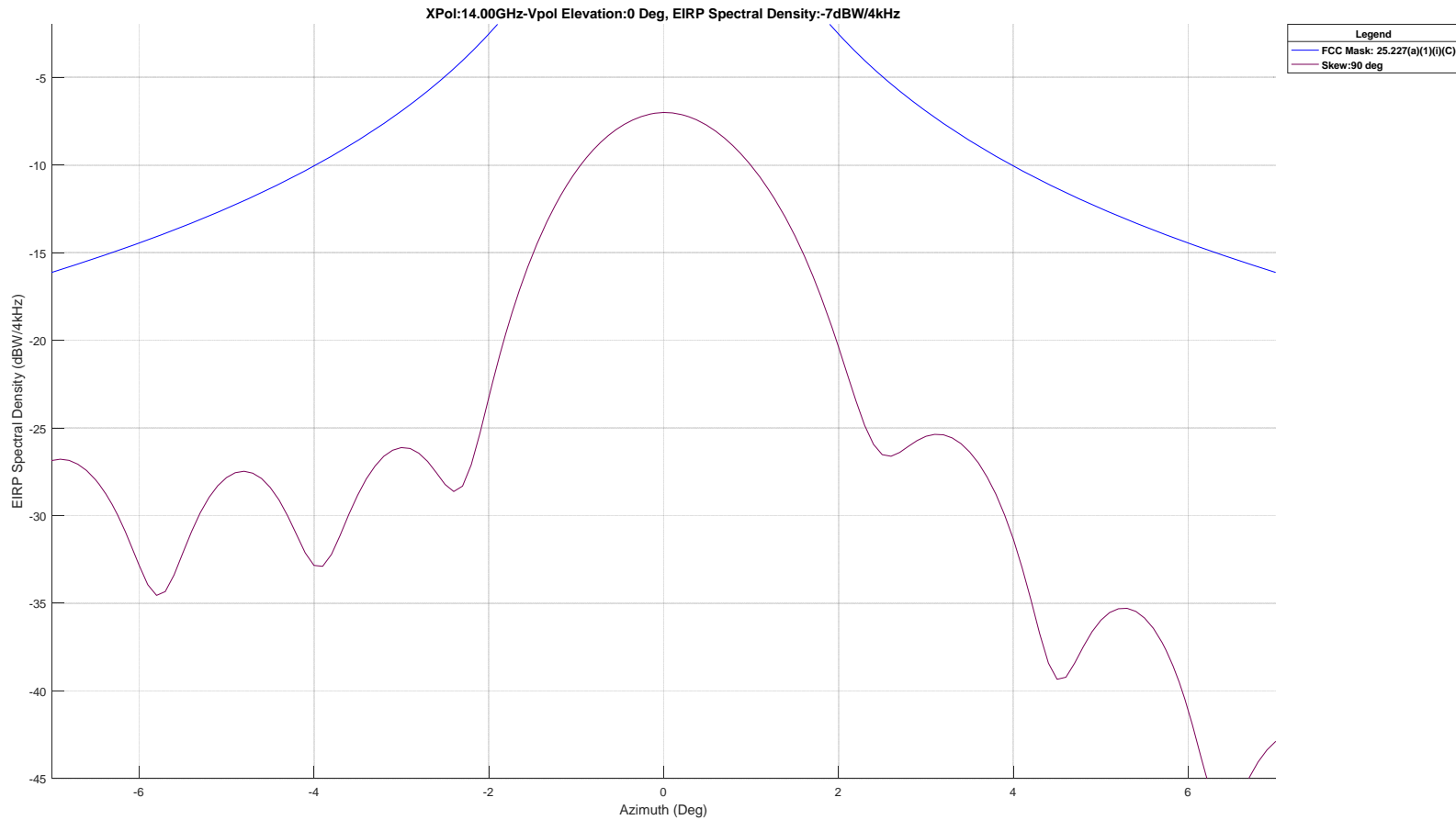
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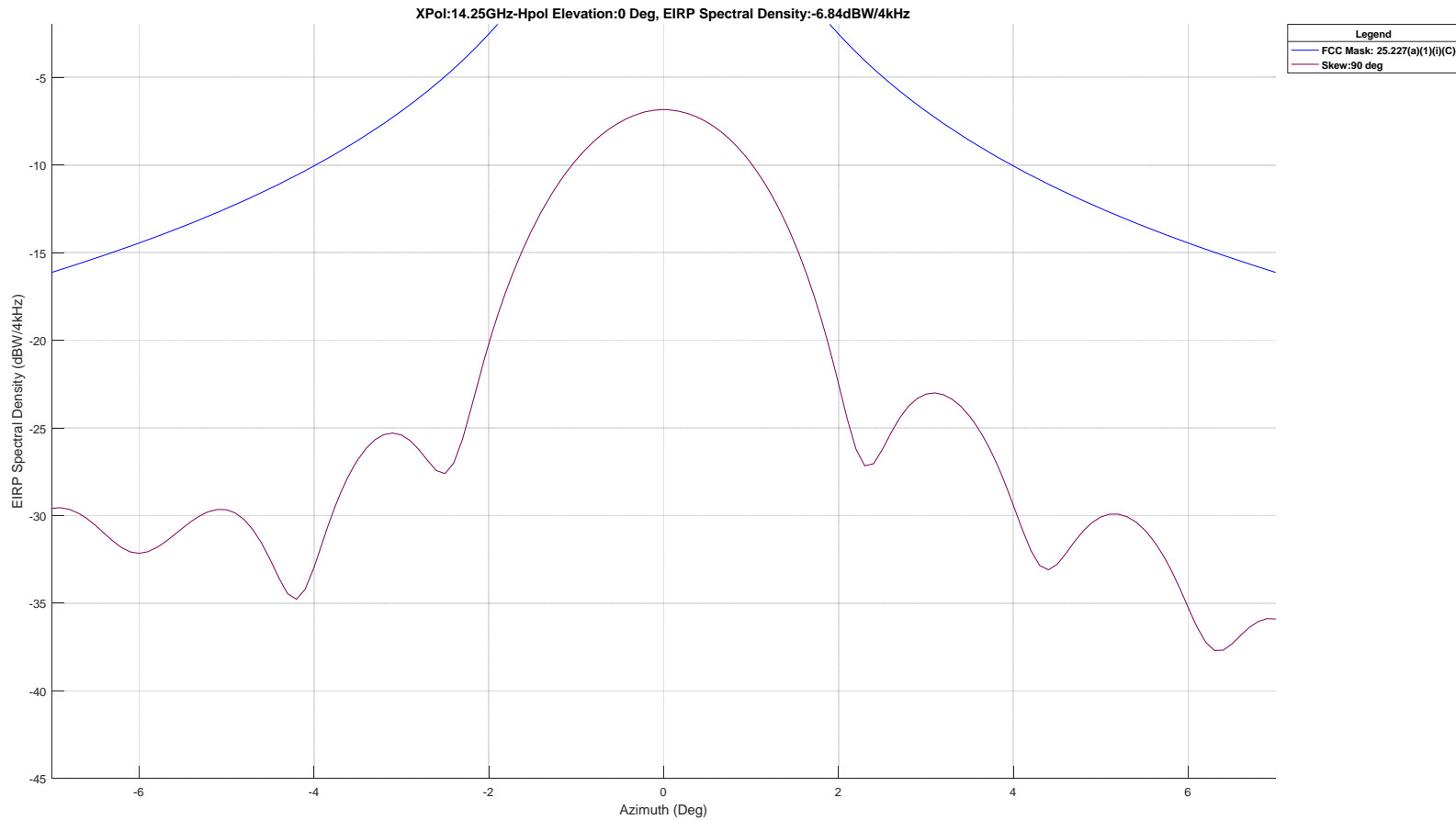
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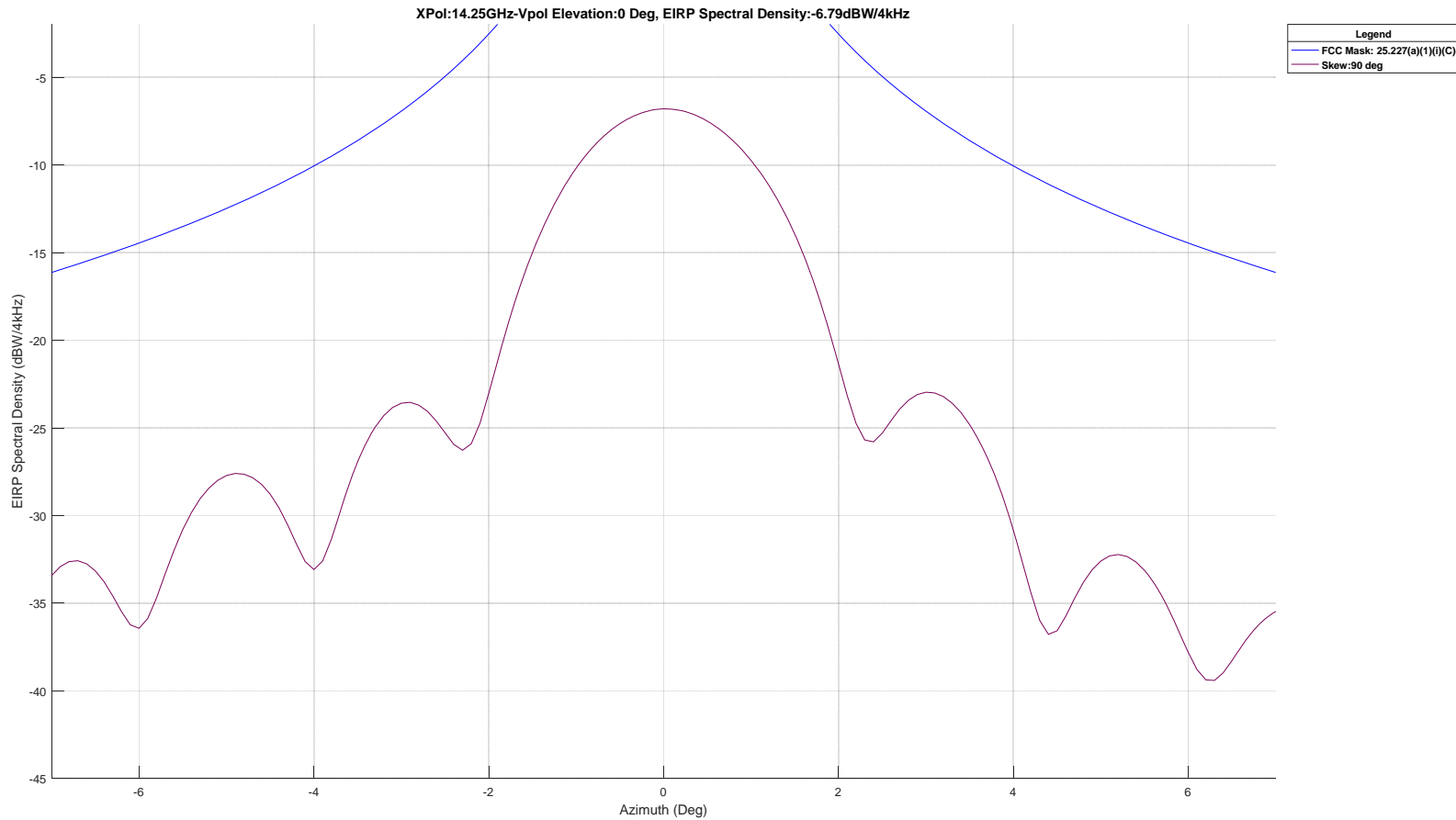
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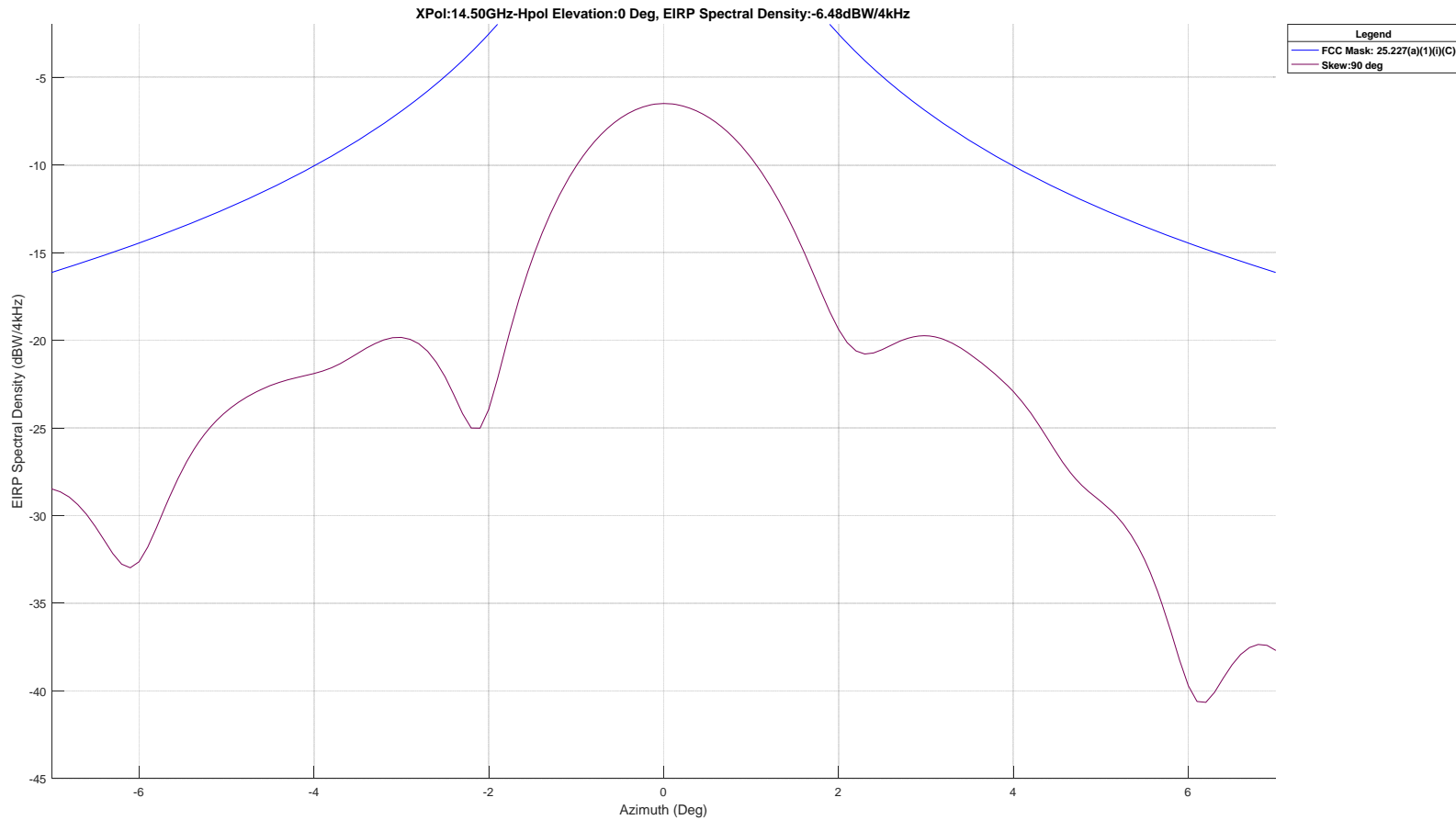
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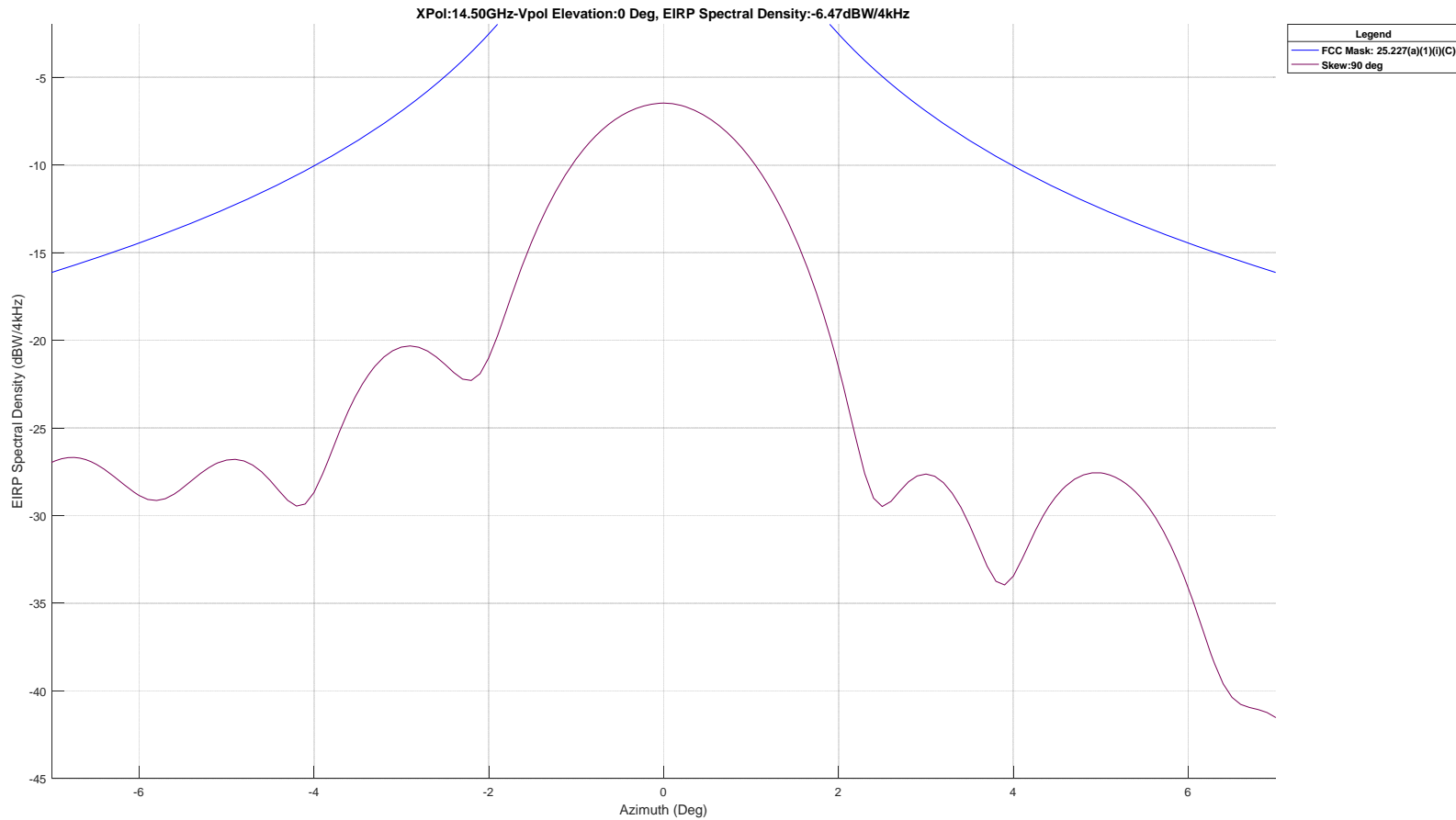
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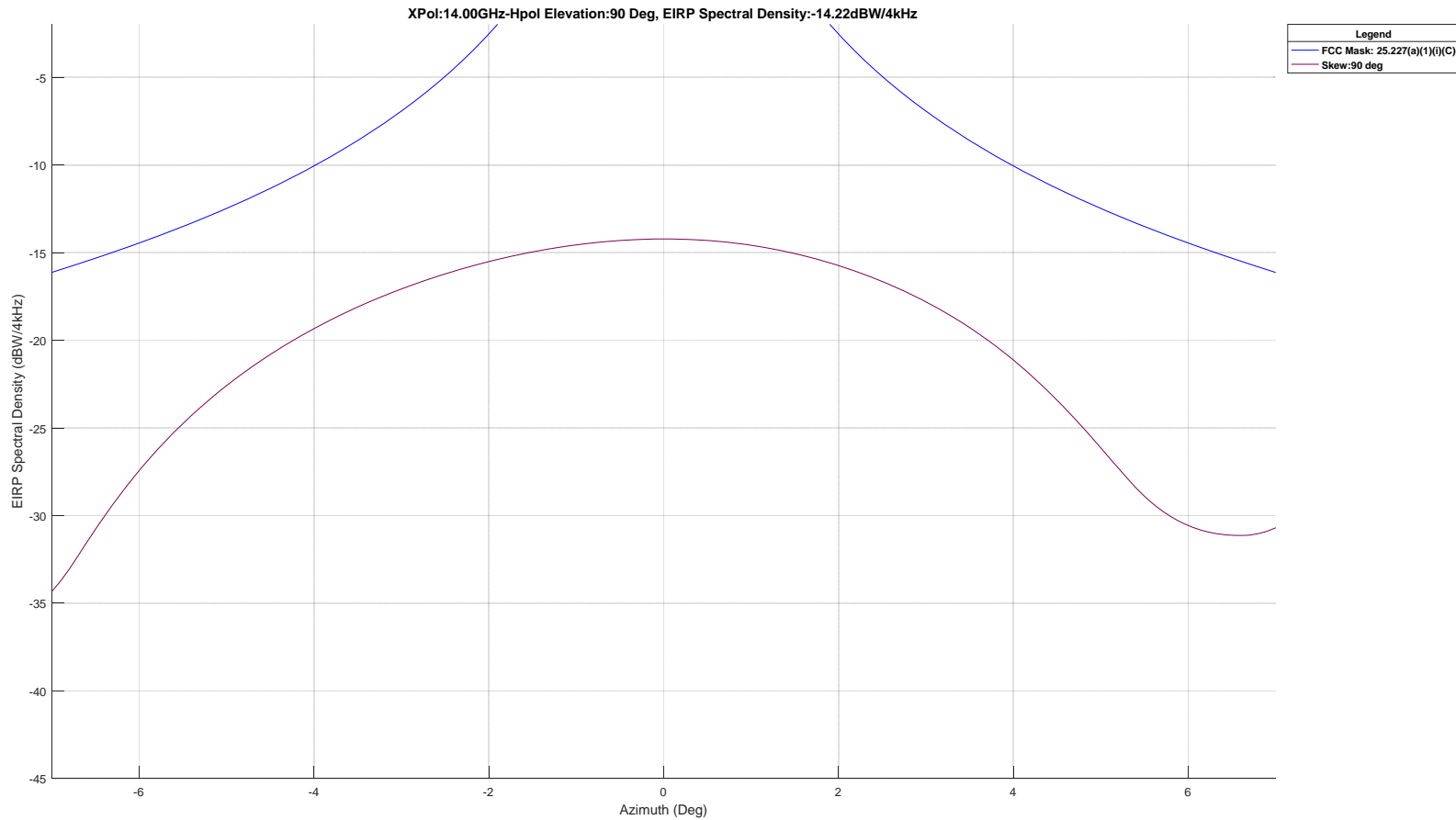
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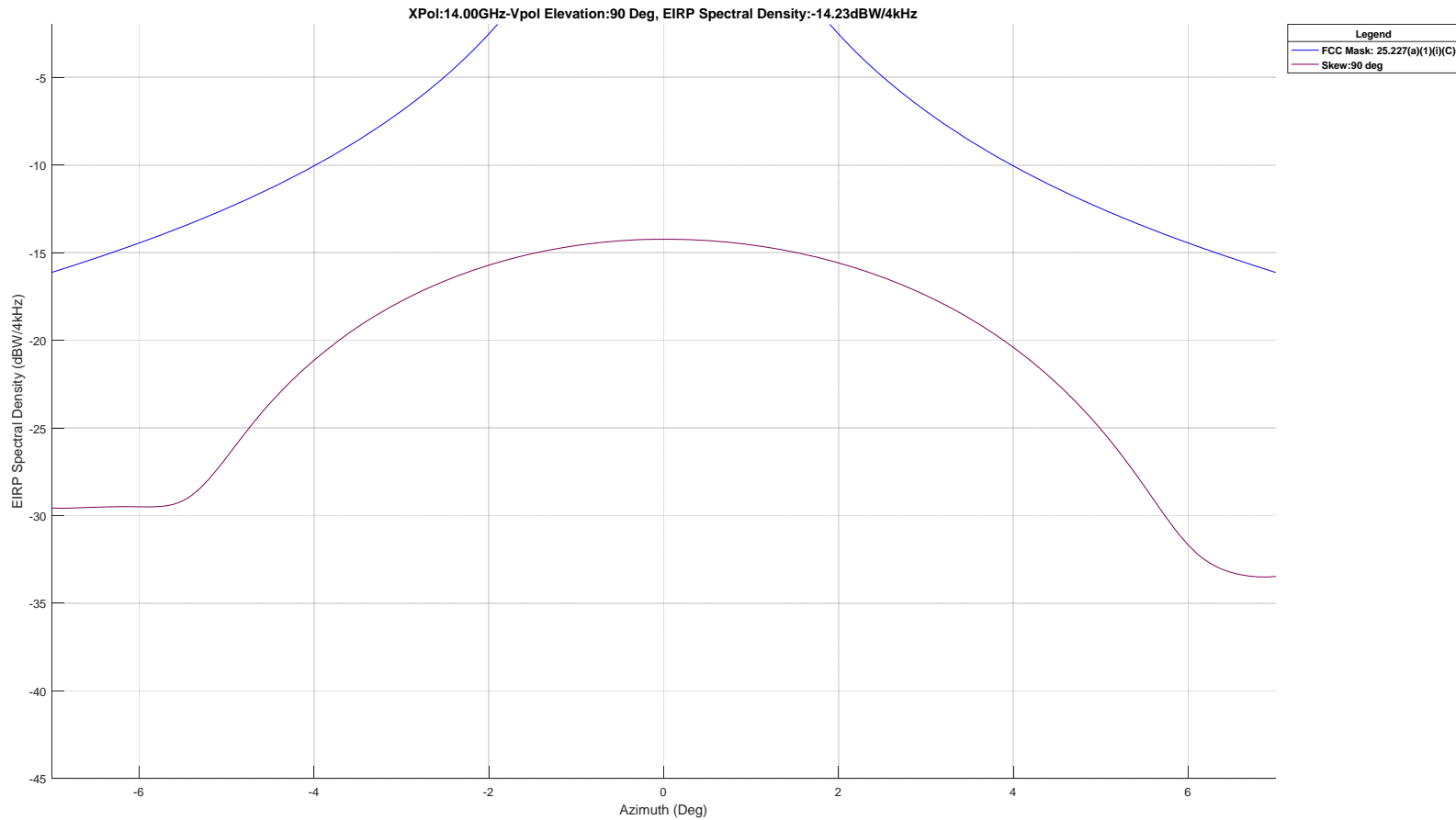
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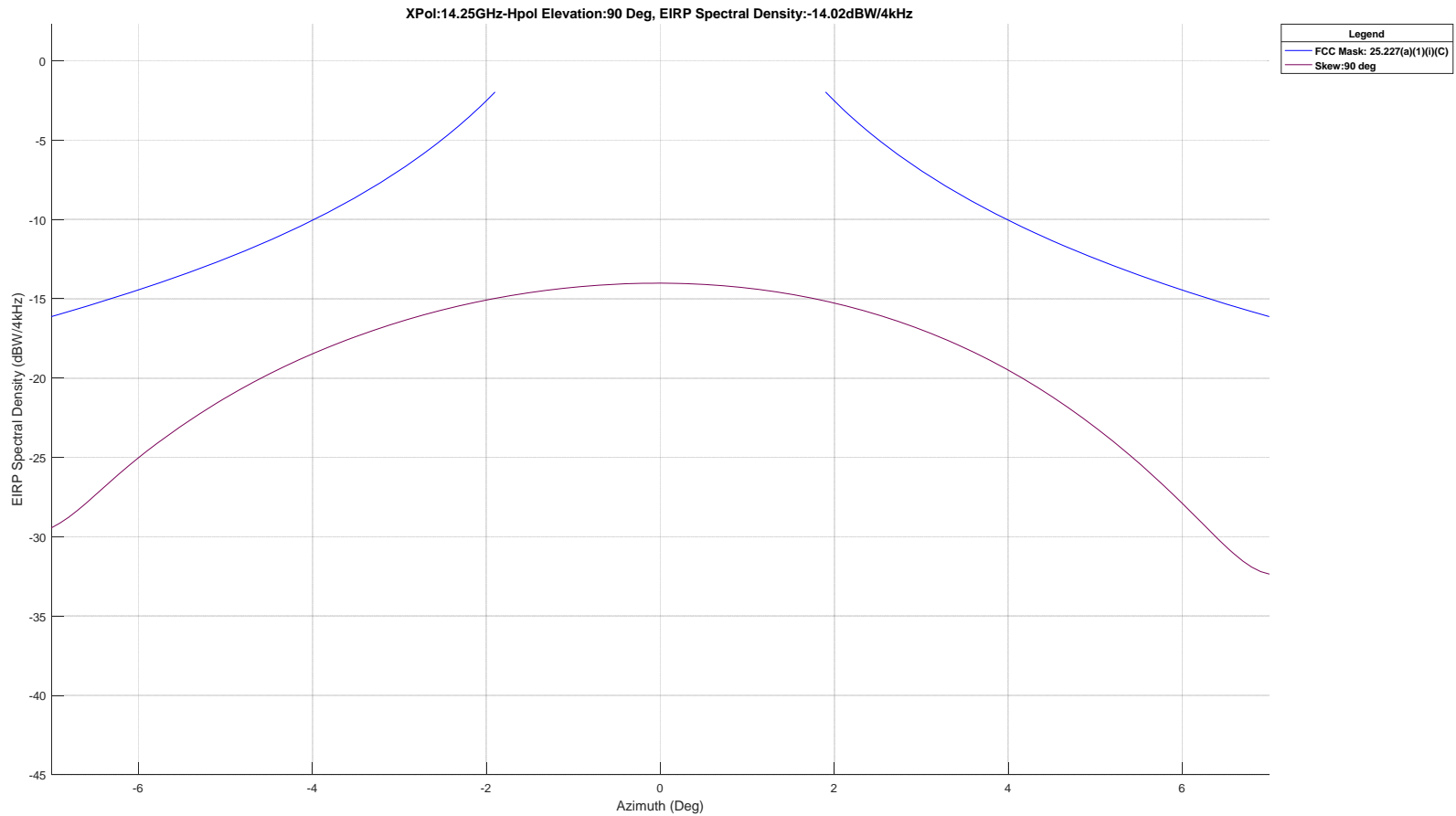
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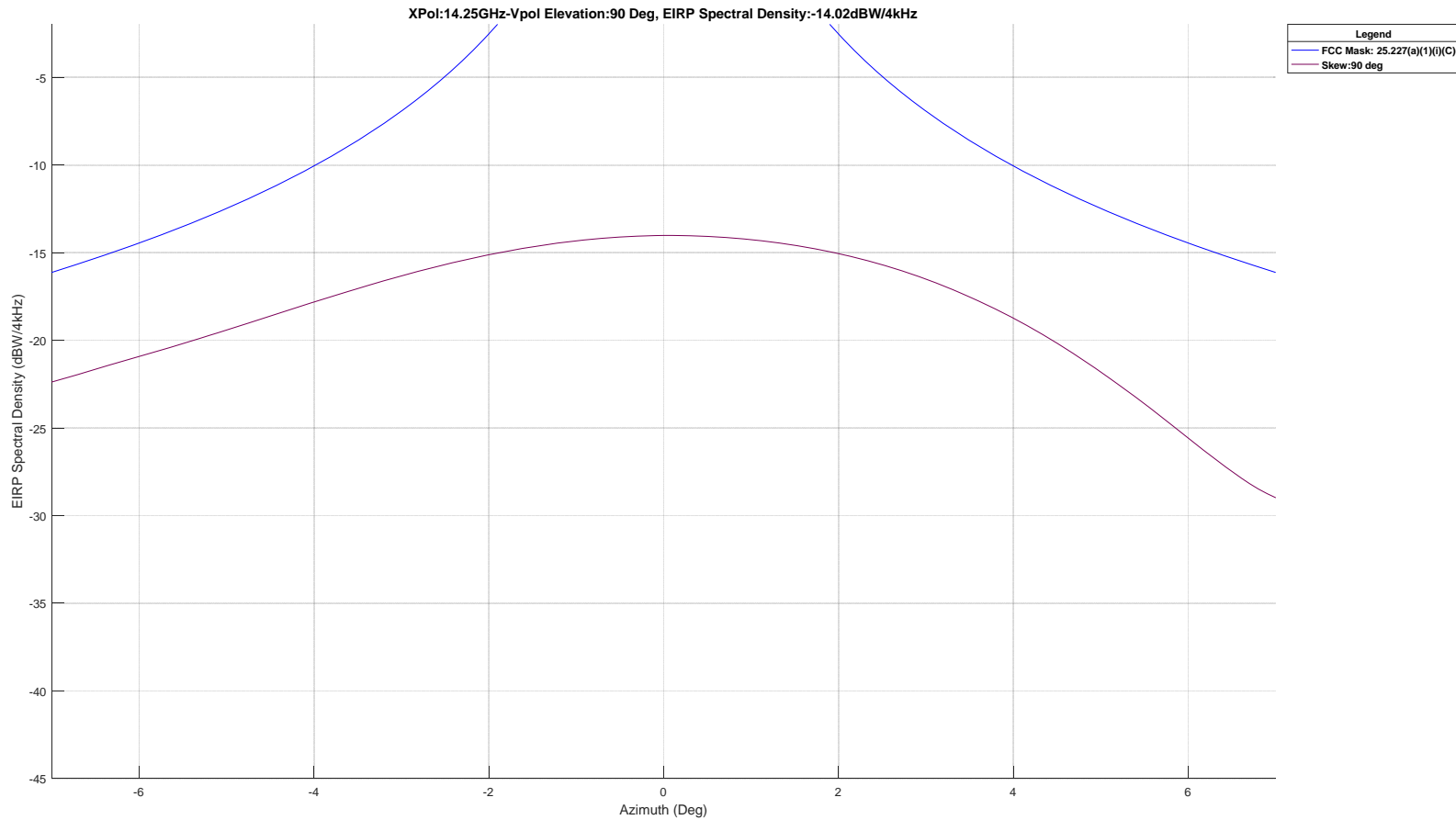
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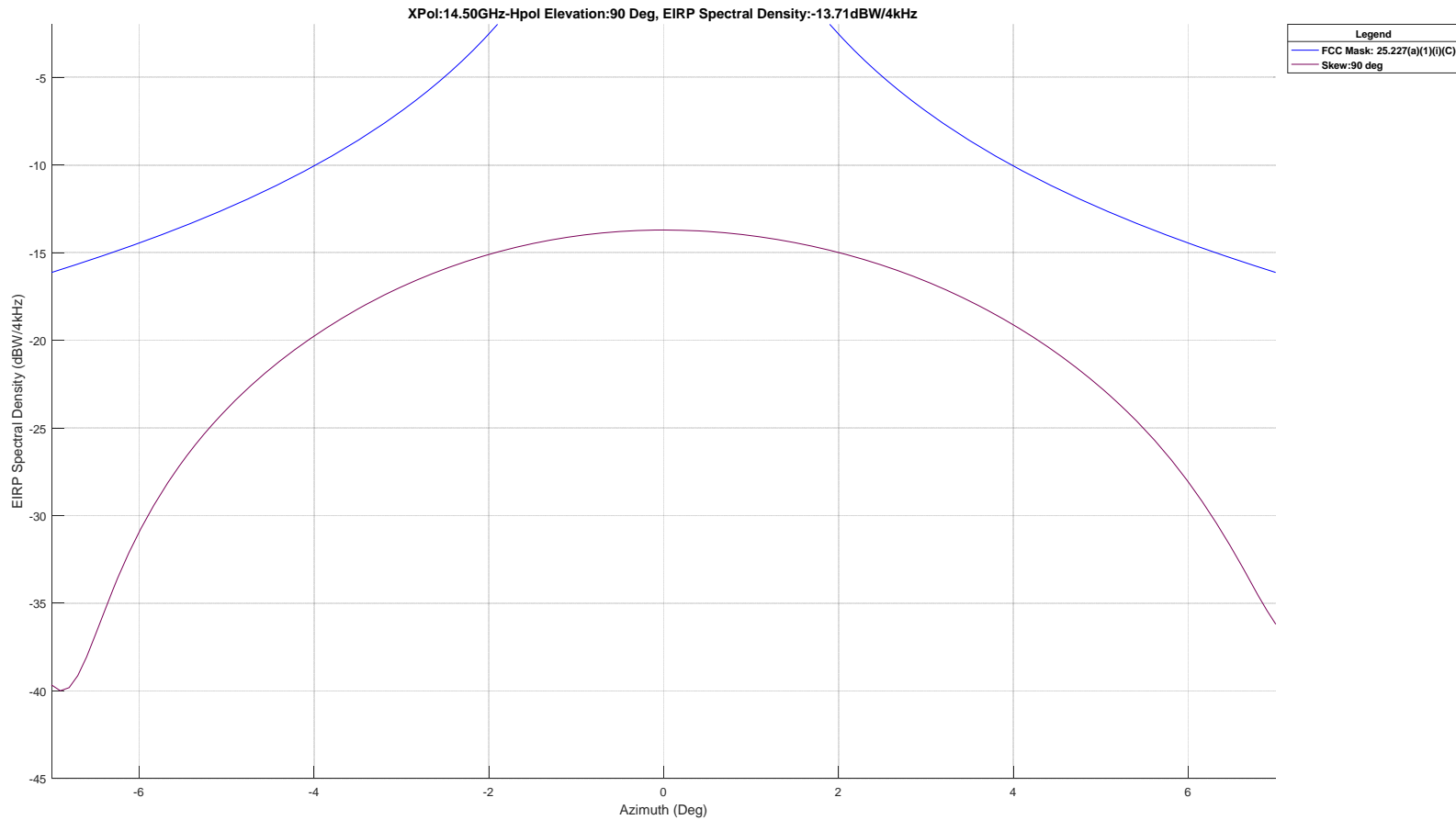
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XPOL-PERPENDICULAR TO GSO PLANE:14.25GHZ-VPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:-14.02DBW/4KHZ



XPOL-PERPENDICULAR TO GSO PLANE:14.50GHZ-HPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:-13.71DBW/4KHZ



XPOL-PERPENDICULAR TO GSO PLANE:14.50GHZ-VPOL ELEVATION:90 DEG, EIRP SPECTRAL DENSITY:-13.72DBW/4KHZ

