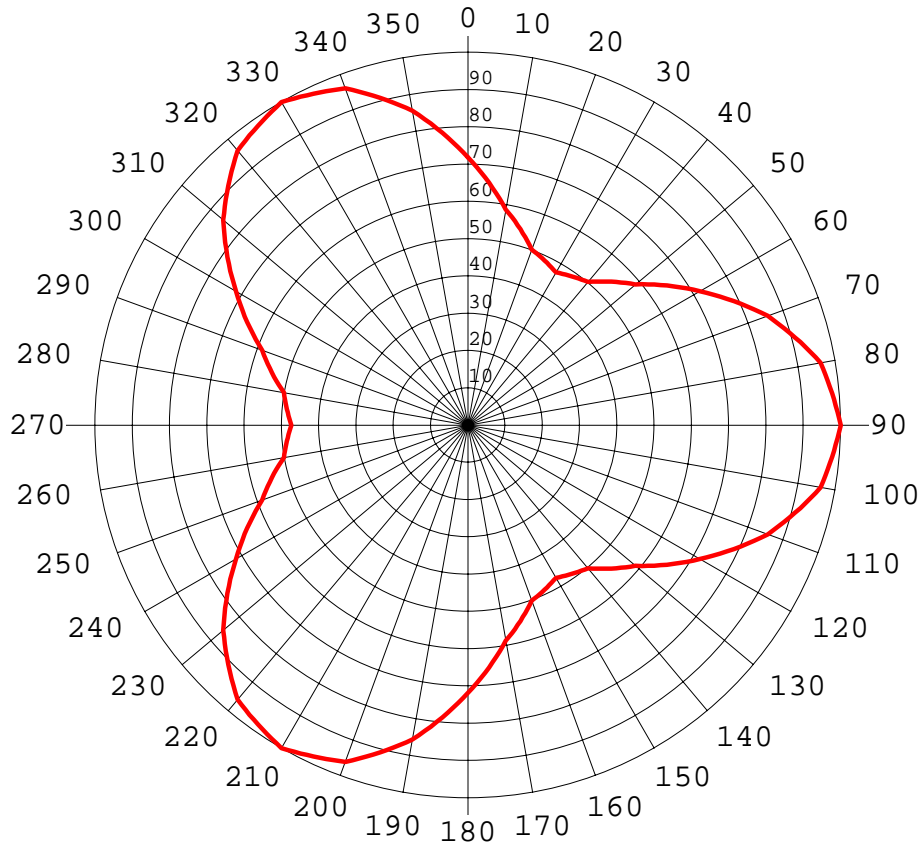


Proposed Directional Antenna



| Azi | Rel | dBk | kW | dB | Azi | Rel | dBk | kW | dB |
|-----|-------|-------|-------|-------|-----|-------|-------|-------|-------|
| 0 | 1.000 | 26.99 | 500.0 | 0.00 | 180 | 0.473 | 20.49 | 111.9 | -6.50 |
| 10 | 0.961 | 26.64 | 461.8 | -0.35 | 190 | 0.501 | 20.99 | 125.5 | -6.00 |
| 20 | 0.856 | 25.64 | 366.4 | -1.35 | 200 | 0.587 | 22.36 | 172.3 | -4.63 |
| 30 | 0.718 | 24.11 | 257.8 | -2.88 | 210 | 0.718 | 24.11 | 257.8 | -2.88 |
| 40 | 0.587 | 22.36 | 172.3 | -4.63 | 220 | 0.856 | 25.64 | 366.4 | -1.35 |
| 50 | 0.501 | 20.99 | 125.5 | -6.00 | 230 | 0.961 | 26.64 | 461.8 | -0.35 |
| 60 | 0.473 | 20.49 | 111.9 | -6.50 | 240 | 1.000 | 26.99 | 500.0 | 0.00 |
| 70 | 0.501 | 20.99 | 125.5 | -6.00 | 250 | 0.961 | 26.64 | 461.8 | -0.35 |
| 80 | 0.587 | 22.36 | 172.3 | -4.63 | 260 | 0.856 | 25.64 | 366.4 | -1.35 |
| 90 | 0.718 | 24.11 | 257.8 | -2.88 | 270 | 0.718 | 24.11 | 257.8 | -2.88 |
| 100 | 0.856 | 25.64 | 366.4 | -1.35 | 280 | 0.587 | 22.36 | 172.3 | -4.63 |
| 110 | 0.961 | 26.64 | 461.8 | -0.35 | 290 | 0.501 | 20.99 | 125.5 | -6.00 |
| 120 | 1.000 | 26.99 | 500.0 | 0.00 | 300 | 0.473 | 20.49 | 111.9 | -6.50 |
| 130 | 0.961 | 26.64 | 461.8 | -0.35 | 310 | 0.501 | 20.99 | 125.5 | -6.00 |
| 140 | 0.856 | 25.64 | 366.4 | -1.35 | 320 | 0.587 | 22.36 | 172.3 | -4.63 |
| 150 | 0.718 | 24.11 | 257.8 | -2.88 | 330 | 0.718 | 24.11 | 257.8 | -2.88 |
| 160 | 0.587 | 22.36 | 172.3 | -4.63 | 340 | 0.856 | 25.64 | 366.4 | -1.35 |
| 170 | 0.501 | 20.99 | 125.5 | -6.00 | 350 | 0.961 | 26.64 | 461.8 | -0.35 |

Rotation Angle = 90

Smoky Hills Public Television
Colby, KS