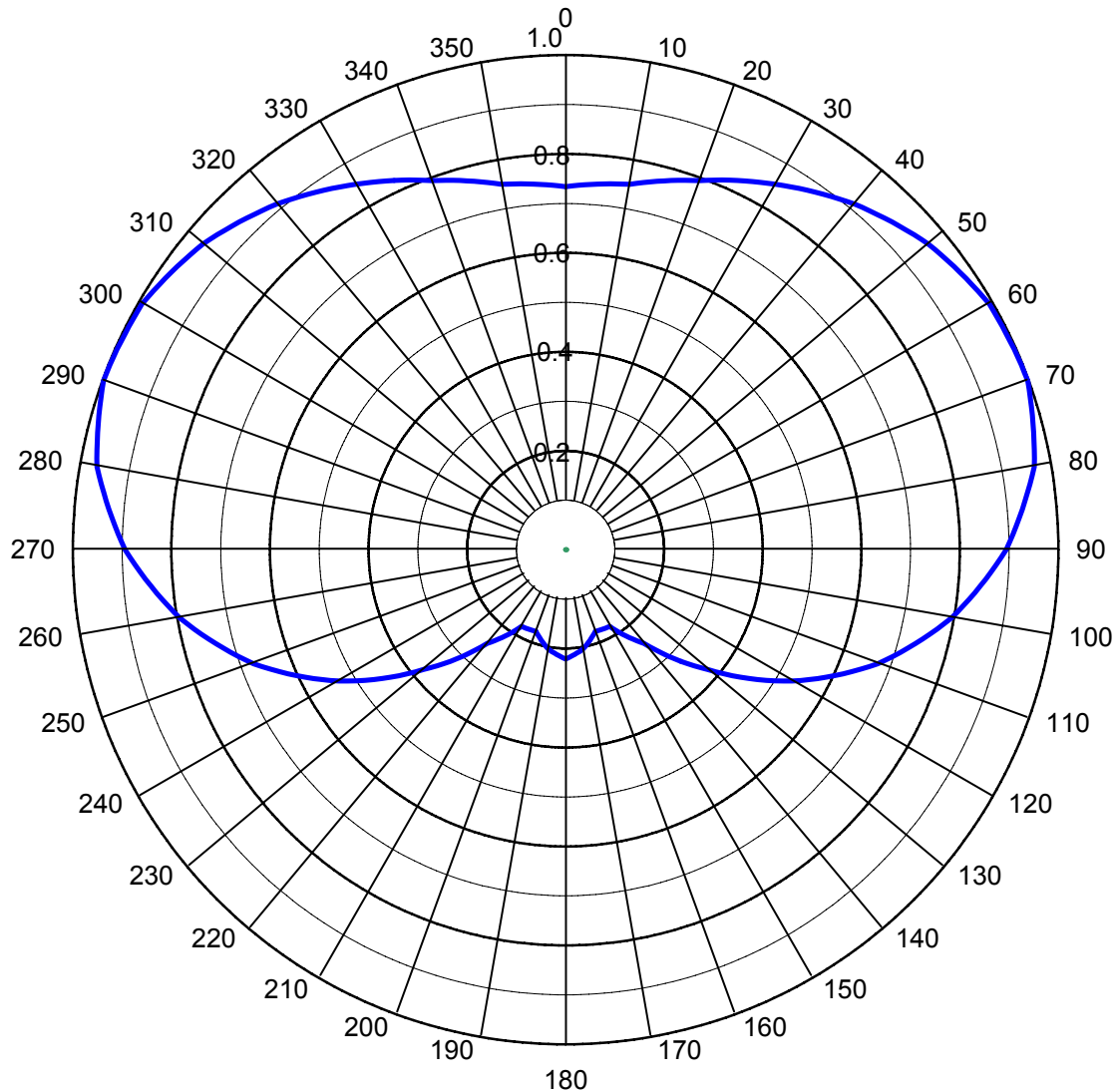




Azimuth Pattern



FCC AZIMUTH PATTERN LIMITS

Customer: Rich Green Location:
Freq: 476-482 MHz. / Channel 15
Gain: 24.27x / 13.85 dBd

November 5, 2004
Antenna: JA/LS-AK-12
Shown in REL Fieldplot



Tabulation

| AZ | FI | AZ | FI |
|-----|-------|-----|-------|
| 0 | 0.734 | 180 | 0.221 |
| 10 | 0.75 | 190 | 0.204 |
| 20 | 0.794 | 200 | 0.176 |
| 30 | 0.853 | 210 | 0.179 |
| 40 | 0.912 | 220 | 0.247 |
| 50 | 0.961 | 230 | 0.377 |
| 60 | 0.993 | 240 | 0.531 |
| 70 | 0.998 | 250 | 0.674 |
| 80 | 0.966 | 260 | 0.795 |
| 90 | 0.894 | 270 | 0.894 |
| 100 | 0.795 | 280 | 0.966 |
| 110 | 0.674 | 290 | 0.998 |
| 120 | 0.531 | 300 | 0.993 |
| 130 | 0.377 | 310 | 0.961 |
| 140 | 0.247 | 320 | 0.912 |
| 150 | 0.179 | 330 | 0.853 |
| 160 | 0.176 | 340 | 0.794 |
| 170 | 0.204 | 350 | 0.75 |

FCC AZIMUTH PATTERN LIMITS

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