



Proposal Number **79243**
 Date **28-Jun-04**
 Call Letters **WUSN**
 Location **Chicago, IL**
 Customer **Infinity Broadcasting**
 Antenna Type **HDRM3B**
 Frequency **99.50 MHz**
 Drawing #:

TABULATION OF HORIZONTAL AZIMUTH PATTERN

| Angle | Field | dBk | ERP kW |
|-------|-------|--------|--------|
| 0 | 0.560 | 6.725 | 4.704 |
| 10 | 0.575 | 6.954 | 4.959 |
| 20 | 0.612 | 7.496 | 5.618 |
| 30 | 0.675 | 8.347 | 6.834 |
| 40 | 0.739 | 9.134 | 8.192 |
| 50 | 0.779 | 9.592 | 9.103 |
| 60 | 0.797 | 9.790 | 9.528 |
| 70 | 0.775 | 9.547 | 9.009 |
| 80 | 0.724 | 8.956 | 7.863 |
| 90 | 0.699 | 8.650 | 7.329 |
| 100 | 0.727 | 8.992 | 7.928 |
| 110 | 0.782 | 9.625 | 9.173 |
| 120 | 0.849 | 10.339 | 10.812 |
| 130 | 0.915 | 10.989 | 12.558 |
| 140 | 0.967 | 11.469 | 14.026 |
| 150 | 0.999 | 11.752 | 14.970 |
| 160 | 0.988 | 11.656 | 14.642 |
| 170 | 0.948 | 11.297 | 13.481 |
| 180 | 0.891 | 10.758 | 11.908 |
| 190 | 0.815 | 9.984 | 9.963 |
| 200 | 0.734 | 9.075 | 8.081 |
| 210 | 0.684 | 8.462 | 7.018 |
| 220 | 0.685 | 8.475 | 7.038 |
| 230 | 0.735 | 9.087 | 8.103 |
| 240 | 0.788 | 9.691 | 9.314 |
| 250 | 0.809 | 9.920 | 9.817 |
| 260 | 0.785 | 9.658 | 9.243 |
| 270 | 0.722 | 8.932 | 7.819 |
| 280 | 0.658 | 8.125 | 6.494 |
| 290 | 0.611 | 7.482 | 5.600 |
| 300 | 0.577 | 6.984 | 4.994 |
| 310 | 0.569 | 6.863 | 4.856 |
| 320 | 0.566 | 6.817 | 4.805 |
| 330 | 0.568 | 6.848 | 4.839 |
| 340 | 0.563 | 6.771 | 4.755 |
| 350 | 0.561 | 6.740 | 4.721 |



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TABULATION OF VERTICAL AZIMUTH PATTERN

| Angle | Field | dBk | ERP kW |
|-------|-------|--------|--------|
| 0 | 0.238 | -0.708 | 0.850 |
| 10 | 0.307 | 1.504 | 1.414 |
| 20 | 0.392 | 3.627 | 2.305 |
| 30 | 0.484 | 5.458 | 3.514 |
| 40 | 0.581 | 7.044 | 5.063 |
| 50 | 0.658 | 8.125 | 6.494 |
| 60 | 0.722 | 8.932 | 7.819 |
| 70 | 0.756 | 9.331 | 8.573 |
| 80 | 0.784 | 9.647 | 9.220 |
| 90 | 0.809 | 9.920 | 9.817 |
| 100 | 0.824 | 10.079 | 10.185 |
| 110 | 0.829 | 10.132 | 10.309 |
| 120 | 0.839 | 10.236 | 10.559 |
| 130 | 0.846 | 10.308 | 10.736 |
| 140 | 0.832 | 10.163 | 10.383 |
| 150 | 0.827 | 10.111 | 10.259 |
| 160 | 0.824 | 10.079 | 10.185 |
| 170 | 0.827 | 10.111 | 10.259 |
| 180 | 0.831 | 10.153 | 10.358 |
| 190 | 0.842 | 10.267 | 10.634 |
| 200 | 0.849 | 10.339 | 10.812 |
| 210 | 0.848 | 10.329 | 10.787 |
| 220 | 0.839 | 10.236 | 10.559 |
| 230 | 0.815 | 9.984 | 9.963 |
| 240 | 0.775 | 9.547 | 9.009 |
| 250 | 0.727 | 8.992 | 7.928 |
| 260 | 0.651 | 8.033 | 6.357 |
| 270 | 0.554 | 6.631 | 4.604 |
| 280 | 0.467 | 5.147 | 3.271 |
| 290 | 0.389 | 3.560 | 2.270 |
| 300 | 0.327 | 2.052 | 1.604 |
| 310 | 0.275 | 0.548 | 1.134 |
| 320 | 0.232 | -0.929 | 0.807 |
| 330 | 0.203 | -2.089 | 0.618 |
| 340 | 0.192 | -2.573 | 0.553 |
| 350 | 0.202 | -2.132 | 0.612 |