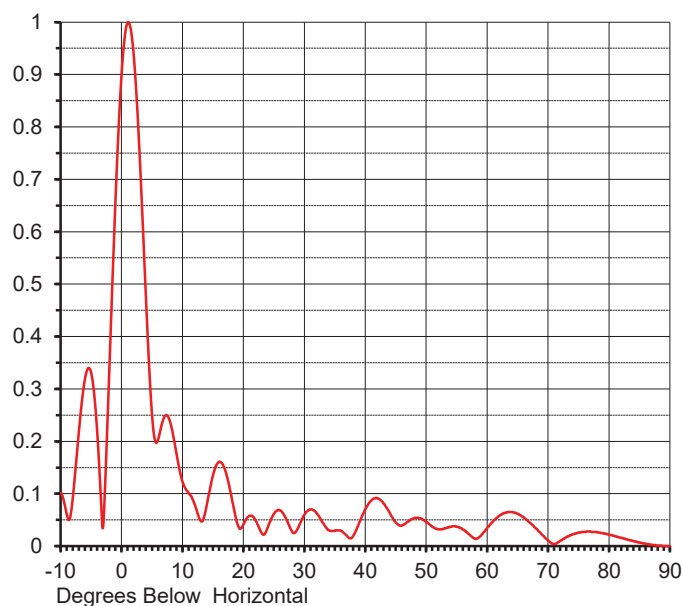
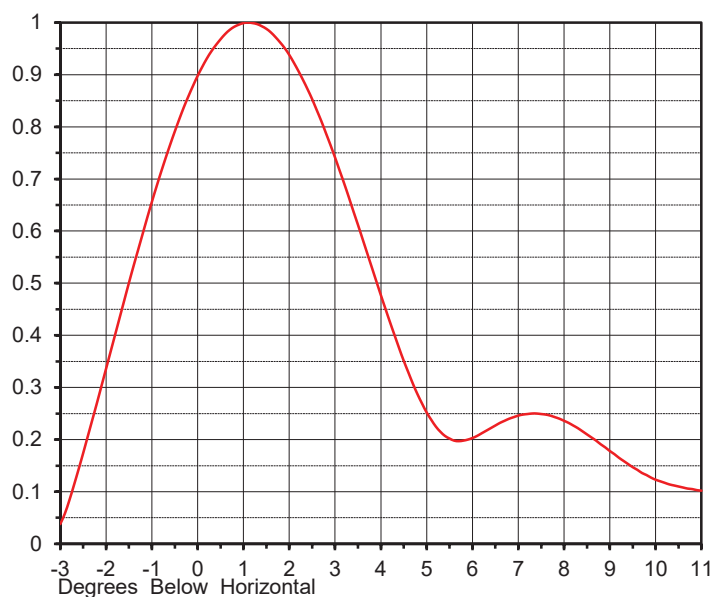


ELEVATION PATTERN

Proposal No. **C-70304-1**
 Date **3-Apr-17**
 Call Letters **WNEP**
 Channel **16**
 Frequency **485 MHz**
 Antenna Type **TFU13JTH/VP-R 04**

RMS Directivity at Main Lobe **13.0 (11.14 dB)**
 RMS Directivity at Horizontal **10.9 (10.37 dB)**
Calculated

Beam Tilt **1.00 deg**
 Pattern Number **13J130100**



| Angle | Field | Angle | Field | Angle | Field | Angle | Field | Angle | Field |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| -10.0 | 0.102 | 10.0 | 0.120 | 30.0 | 0.061 | 50.0 | 0.046 | 70.0 | 0.010 |
| -9.0 | 0.057 | 11.0 | 0.100 | 31.0 | 0.070 | 51.0 | 0.037 | 71.0 | 0.004 |
| -8.0 | 0.103 | 12.0 | 0.077 | 32.0 | 0.062 | 52.0 | 0.032 | 72.0 | 0.011 |
| -7.0 | 0.230 | 13.0 | 0.047 | 33.0 | 0.044 | 53.0 | 0.034 | 73.0 | 0.018 |
| -6.0 | 0.325 | 14.0 | 0.085 | 34.0 | 0.030 | 54.0 | 0.037 | 74.0 | 0.023 |
| -5.0 | 0.326 | 15.0 | 0.139 | 35.0 | 0.030 | 55.0 | 0.037 | 75.0 | 0.026 |
| -4.0 | 0.202 | 16.0 | 0.161 | 36.0 | 0.029 | 56.0 | 0.031 | 76.0 | 0.027 |
| -3.0 | 0.058 | 17.0 | 0.142 | 37.0 | 0.018 | 57.0 | 0.022 | 77.0 | 0.027 |
| -2.0 | 0.369 | 18.0 | 0.091 | 38.0 | 0.021 | 58.0 | 0.014 | 78.0 | 0.026 |
| -1.0 | 0.685 | 19.0 | 0.040 | 39.0 | 0.047 | 59.0 | 0.022 | 79.0 | 0.024 |
| 0.0 | 0.915 | 20.0 | 0.043 | 40.0 | 0.072 | 60.0 | 0.036 | 80.0 | 0.022 |
| 1.0 | 1.000 | 21.0 | 0.058 | 41.0 | 0.088 | 61.0 | 0.049 | 81.0 | 0.019 |
| 2.0 | 0.923 | 22.0 | 0.047 | 42.0 | 0.091 | 62.0 | 0.059 | 82.0 | 0.016 |
| 3.0 | 0.716 | 23.0 | 0.023 | 43.0 | 0.080 | 63.0 | 0.064 | 83.0 | 0.012 |
| 4.0 | 0.451 | 24.0 | 0.039 | 44.0 | 0.062 | 64.0 | 0.065 | 84.0 | 0.009 |
| 5.0 | 0.238 | 25.0 | 0.063 | 45.0 | 0.044 | 65.0 | 0.061 | 85.0 | 0.007 |
| 6.0 | 0.207 | 26.0 | 0.068 | 46.0 | 0.040 | 66.0 | 0.054 | 86.0 | 0.004 |
| 7.0 | 0.248 | 27.0 | 0.050 | 47.0 | 0.047 | 67.0 | 0.044 | 87.0 | 0.002 |
| 8.0 | 0.232 | 28.0 | 0.026 | 48.0 | 0.054 | 68.0 | 0.033 | 88.0 | 0.001 |
| 9.0 | 0.172 | 29.0 | 0.038 | 49.0 | 0.053 | 69.0 | 0.021 | 89.0 | 0.000 |
| | | | | | | | | 90.0 | 0.000 |

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