

07-28-2016

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WFNQ BLH19920527KA

W258BH

Channel = 292A

Max ERP = 0.95 kW

RCAMSL = 242 m

N. Lat. 42 44 07.0

W. Lng. 71 23 37.0

Protected

60 dBu

Channel = 291D

Max ERP = 0.25 kW

RCAMSL = 338 m

N. Lat. 42 35 23.0

W. Lng. 71 49 42.0

Interfering

54 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 210.0 | 000.9500 | 0179.0 | 024.2 | 101.4 | 000.0720 | 0219.0 | 024.0 | 51.86 | |
| 211.0 | 000.9500 | 0176.7 | 024.1 | 100.7 | 000.0706 | 0218.7 | 023.6 | 52.02 | |
| 212.0 | 000.9500 | 0175.8 | 024.0 | 100.3 | 000.0695 | 0218.4 | 023.3 | 52.22 | |
| 213.0 | 000.9500 | 0176.3 | 024.0 | 099.9 | 000.0687 | 0218.0 | 022.9 | 52.45 | |
| 214.0 | 000.9500 | 0177.3 | 024.1 | 099.6 | 000.0676 | 0217.6 | 022.5 | 52.68 | |
| 215.0 | 000.9500 | 0178.7 | 024.2 | 099.4 | 000.0667 | 0217.1 | 022.0 | 52.92 | |
| 216.0 | 000.9500 | 0180.9 | 024.3 | 099.2 | 000.0661 | 0216.8 | 021.6 | 53.21 | |
| 217.0 | 000.9500 | 0183.4 | 024.4 | 099.0 | 000.0654 | 0216.5 | 021.2 | 53.50 | |
| 218.0 | 000.9500 | 0185.1 | 024.5 | 098.7 | 000.0643 | 0215.9 | 020.7 | 53.73 | |
| 219.0 | 000.9500 | 0185.5 | 024.6 | 098.2 | 000.0624 | 0214.8 | 020.4 | 53.86 | |
| 220.0 | 000.9500 | 0185.1 | 024.5 | 097.5 | 000.0601 | 0213.4 | 020.0 | 53.93 | |
| 221.0 | 000.9500 | 0184.5 | 024.5 | 096.7 | 000.0576 | 0211.6 | 019.7 | 53.94<-- | |
| 222.0 | 000.9500 | 0183.6 | 024.4 | 095.9 | 000.0549 | 0210.2 | 019.3 | 53.93 | |
| 223.0 | 000.9500 | 0182.6 | 024.4 | 095.0 | 000.0520 | 0209.2 | 019.0 | 53.91 | |
| 224.0 | 000.9500 | 0181.9 | 024.4 | 094.1 | 000.0492 | 0208.6 | 018.7 | 53.90 | |
| 225.0 | 000.9500 | 0181.7 | 024.3 | 093.2 | 000.0466 | 0208.6 | 018.4 | 53.92 | |
| 226.0 | 000.9500 | 0182.1 | 024.4 | 092.3 | 000.0441 | 0208.8 | 018.1 | 53.96<-- | |
| 227.0 | 000.9500 | 0182.6 | 024.4 | 091.5 | 000.0416 | 0208.4 | 017.8 | 53.95 | |
| 228.0 | 000.9500 | 0182.8 | 024.4 | 090.5 | 000.0389 | 0208.0 | 017.5 | 53.90 | |
| 229.0 | 000.9500 | 0182.4 | 024.4 | 089.4 | 000.0369 | 0207.5 | 017.2 | 53.86 | |
| 230.0 | 000.9500 | 0181.7 | 024.3 | 088.2 | 000.0356 | 0207.2 | 016.9 | 53.89 | |
| 231.0 | 000.9500 | 0181.2 | 024.3 | 087.0 | 000.0342 | 0206.9 | 016.7 | 53.91<-- | |
| 232.0 | 000.9500 | 0180.9 | 024.3 | 085.8 | 000.0329 | 0206.5 | 016.5 | 53.90 | |
| 233.0 | 000.9500 | 0180.7 | 024.3 | 084.5 | 000.0315 | 0207.2 | 016.3 | 53.94<-- | |
| 234.0 | 000.9500 | 0180.6 | 024.3 | 083.2 | 000.0301 | 0206.7 | 016.0 | 53.91 | |
| 235.0 | 000.9500 | 0180.6 | 024.3 | 081.8 | 000.0287 | 0206.1 | 015.8 | 53.84 | |
| 236.0 | 000.9500 | 0180.9 | 024.3 | 080.5 | 000.0274 | 0206.2 | 015.6 | 53.80 | |
| 237.0 | 000.9500 | 0181.2 | 024.3 | 079.1 | 000.0264 | 0207.2 | 015.5 | 53.85 | |
| 238.0 | 000.9500 | 0181.5 | 024.3 | 077.6 | 000.0257 | 0207.2 | 015.3 | 53.88 | |
| 239.0 | 000.9500 | 0182.0 | 024.4 | 076.1 | 000.0250 | 0207.1 | 015.1 | 53.89<-- | |
| 240.0 | 000.9500 | 0182.3 | 024.4 | 074.6 | 000.0242 | 0207.8 | 015.0 | 53.63 | |
| 241.0 | 000.9500 | 0182.2 | 024.4 | 073.0 | 000.0235 | 0209.2 | 014.9 | 53.65<-- | |
| 242.0 | 000.9500 | 0181.6 | 024.3 | 071.4 | 000.0227 | 0210.3 | 014.8 | 53.61 | |
| 243.0 | 000.9500 | 0180.6 | 024.3 | 069.7 | 000.0221 | 0210.2 | 014.8 | 53.50 | |
| 244.0 | 000.9500 | 0179.3 | 024.2 | 068.1 | 000.0227 | 0208.8 | 014.9 | 53.51<-- | |
| 245.0 | 000.9500 | 0177.6 | 024.1 | 066.4 | 000.0232 | 0206.4 | 015.0 | 53.43 | |
| 246.0 | 000.9500 | 0175.8 | 024.0 | 064.8 | 000.0237 | 0204.5 | 015.1 | 53.60<-- | |
| 247.0 | 000.9500 | 0174.8 | 023.9 | 063.3 | 000.0242 | 0203.5 | 015.1 | 53.59 | |
| 248.0 | 000.9500 | 0174.4 | 023.9 | 061.7 | 000.0247 | 0202.7 | 015.2 | 53.59 | |
| 249.0 | 000.9500 | 0174.8 | 023.9 | 060.1 | 000.0252 | 0202.4 | 015.2 | 53.65 | |
| 250.0 | 000.9500 | 0174.9 | 023.9 | 058.6 | 000.0273 | 0200.7 | 015.3 | 53.85 | |
| 251.0 | 000.9500 | 0174.8 | 023.9 | 057.1 | 000.0295 | 0196.8 | 015.4 | 53.93<-- | |
| 252.0 | 000.9500 | 0174.6 | 023.9 | 055.6 | 000.0317 | 0191.6 | 015.5 | 53.91 | |
| 253.0 | 000.9500 | 0174.4 | 023.9 | 054.1 | 000.0340 | 0185.5 | 015.6 | 53.82 | |
| 254.0 | 000.9500 | 0174.4 | 023.9 | 052.7 | 000.0363 | 0180.6 | 015.8 | 53.76 | |
| 255.0 | 000.9500 | 0174.5 | 023.9 | 051.3 | 000.0386 | 0178.6 | 015.9 | 53.80 | |
| 256.0 | 000.9500 | 0174.8 | 023.9 | 049.9 | 000.0409 | 0178.4 | 016.1 | 53.91<-- | |
| 257.0 | 000.9500 | 0175.4 | 024.0 | 048.5 | 000.0422 | 0177.9 | 016.2 | 53.89 | |
| 258.0 | 000.9500 | 0176.0 | 024.0 | 047.2 | 000.0435 | 0177.3 | 016.4 | 53.85 | |
| 259.0 | 000.9500 | 0176.6 | 024.0 | 045.9 | 000.0447 | 0176.8 | 016.6 | 53.78 | |
| 260.0 | 000.9500 | 0177.0 | 024.1 | 044.6 | 000.0460 | 0176.7 | 016.8 | 53.72 | |
| 261.0 | 000.9500 | 0177.3 | 024.1 | 043.4 | 000.0471 | 0177.4 | 017.1 | 53.67 | |

| | | | | | | | | | |
|-------|----------|--------|-------|--|-------|----------|--------|-------|----------|
| 262.0 | 000.9500 | 0177.5 | 024.1 | | 042.3 | 000.0483 | 0178.5 | 017.3 | 53.62 |
| 263.0 | 000.9500 | 0177.9 | 024.1 | | 041.2 | 000.0494 | 0179.9 | 017.6 | 53.57 |
| 264.0 | 000.9500 | 0178.5 | 024.2 | | 040.1 | 000.0505 | 0181.2 | 017.8 | 53.52 |
| 265.0 | 000.9500 | 0179.2 | 024.2 | | 039.1 | 000.0553 | 0181.8 | 018.1 | 53.72 |
| 266.0 | 000.9500 | 0179.7 | 024.2 | | 038.1 | 000.0604 | 0181.7 | 018.4 | 53.87 |
| 267.0 | 000.9500 | 0180.1 | 024.2 | | 037.2 | 000.0655 | 0180.1 | 018.7 | 53.89<-- |
| 268.0 | 000.9500 | 0180.3 | 024.3 | | 036.3 | 000.0704 | 0177.4 | 019.0 | 53.82 |
| 269.0 | 000.9500 | 0180.3 | 024.3 | | 035.6 | 000.0749 | 0174.4 | 019.3 | 53.67 |
| 270.0 | 000.9500 | 0180.3 | 024.3 | | 034.8 | 000.0794 | 0171.4 | 019.7 | 53.49 |
| 271.0 | 000.9500 | 0180.3 | 024.3 | | 034.1 | 000.0838 | 0169.2 | 020.0 | 53.32 |
| 272.0 | 000.9500 | 0180.4 | 024.3 | | 033.5 | 000.0880 | 0167.7 | 020.4 | 53.17 |
| 273.0 | 000.9500 | 0180.5 | 024.3 | | 032.9 | 000.0921 | 0166.2 | 020.7 | 53.01 |
| 274.0 | 000.9500 | 0181.1 | 024.3 | | 032.2 | 000.0965 | 0164.8 | 021.1 | 52.85 |
| 275.0 | 000.9500 | 0181.5 | 024.3 | | 031.6 | 000.1005 | 0163.3 | 021.5 | 52.66 |
| 276.0 | 000.9500 | 0181.8 | 024.3 | | 031.1 | 000.1043 | 0162.2 | 021.8 | 52.47 |
| 277.0 | 000.9500 | 0182.6 | 024.4 | | 030.5 | 000.1084 | 0161.4 | 022.2 | 52.31 |
| 278.0 | 000.9500 | 0183.3 | 024.4 | | 030.0 | 000.1122 | 0161.4 | 022.6 | 52.17 |
| 279.0 | 000.9500 | 0183.6 | 024.4 | | 029.6 | 000.1170 | 0161.7 | 023.0 | 52.08 |
| 280.0 | 000.9500 | 0183.5 | 024.4 | | 029.2 | 000.1210 | 0162.1 | 023.4 | 51.95 |

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