# Exhibit 16.1
## Tabulation of Proposed Nighttime Allocation

Night Allocation Protection Report

Call: WNWC.p
Freq: 1190 kHz
SUN PRAIRIE, WI, US
Lat: 43-09-36 N
Lng: 089-12-55 W
Power: 0.021 kW
Theo RMS: 41.91 mV/m @ 1km

| # | Field Ratio | Phase (deg) | Spacing (deg) | Orient (deg) | Height (deg) | Ref Swtch | TL Swtch | A (deg) | B (deg) | C (deg) | D (deg) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.000 | 0.0 | 0.0 | 0.0 | 84.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | 0.930 | -38.0 | 154.0 | 315.0 | 84.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Call Letters | Ct | St | City | Azi (deg) | Ang Low (deg) | Ang High (deg) | SWFF (100uV/m) | Req Prot (mV/m) | Permis (mV/m) | Cur Rad (mV/m) | Margin (mV/m) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NEW.A | US | IL | BLANDINSVILLE | 205.60 | 23.34 | 35.82 | 185.97 | 1.665 | 44.76 | 44.20 | 0.56 |
| 50% = 6.262, 25% = 6.659; WOWO.L=6.26 XEWK/A=2.26 | | | | | | | | | | | |
| KRFT.A | US | MO | UNIVERSITY CITY | 190.03 | 13.92 | 22.96 | 100.94 | 1.084 | 53.71 | 31.53 | 22.18 |
| 50% = 3.67, 25% = 4.338; XEWK/A=2.65 WOWO.L=2.54 WOAI.L=1.82 WHAM.L=1.43 | | | | | | | | | | | |
| KRFT.A | US | MO | UNIVERSITY CITY | 190.03 | 13.92 | 22.96 | 100.94 | 1.084 | 53.71 | 31.53 | 22.18 |
| 50% = 3.67, 25% = 4.338; XEWK/A=2.65 WOWO.L=2.54 WOAI.L=1.82 WHAM.L=1.43 | | | | | | | | | | | |
| KPHN.C | US | MO | KANSAS CITY | 226.01 | 11.33 | 19.17 | 77.67 | 1.340 | 86.24 | 61.89 | 24.35 |
| 50% = 4.72, 25% = 5.359; WOWO.L=3.70 XEWK/A=2.93 WOAI.L=2.12 KFXR.L=1.40 | | | | | | | | | | | |
| KPHN.C | US | MO | KANSAS CITY | 226.01 | 11.33 | 19.17 | 77.67 | 1.340 | 86.24 | 61.89 | 24.35 |
| 50% = 4.72, 25% = 5.359; WOWO.L=3.70 XEWK/A=2.93 WOAI.L=2.12 KFXR.L=1.40 | | | | | | | | | | | |
| KPHN.L | US | MO | KANSAS CITY | 226.01 | 11.33 | 19.17 | 77.67 | 1.340 | 86.24 | 61.89 | 24.35 |
| 50% = 4.72, 25% = 5.359; WOWO.L=3.70 XEWK/A=2.93 WOAI.L=2.12 KFXR.L=1.40 | | | | | | | | | | | |
| WOWO.L | US | IN | FORT WAYNE | 125.73 | 18.92 | 29.99 | 142.94 | 1.005 | 35.15 | 10.12 | 25.03 |
| 50% = 3.794, 25% = 4.02; WHAM.L=3.36 XEWK/A=1.76 WLIB.L=1.33 | | | | | | | | | | | |
| NEW.A | US | AR | SHERWOOD | 196.65 | 6.24 | 11.63 | 42.03 | 1.548 | 184.23 | 38.61 | 145.62 |
| 50% = 5.372, 25% = 6.194; XEWK/A=4.11 WOAI.L=3.46 KPHN.L=2.00 WLIB.L=1.74 WOWO.L=1.57 | | | | | | | | | | | |
| CFSL/A | CA | SK | WEYBURN | 307.13 | 5.27 | 5.27 | 37.04 | 1.476 | 199.25 | 37.24 | 162.00 |
| 50% = 2.952, 25% = 3.325; KEX.L=2.55 KPHN.L=1.49 WOWO.L=1.20 KXMX.L=0.95 | | | | | | | | | | | |
| NEW.A | US | AR | PINE BLUFF | 194.75 | 5.74 | 10.89 | 39.00 | 1.628 | 208.77 | 36.61 | 172.16 |
| 50% = 5.572, 25% = 6.513; XEWK/A=4.26 WOAI.L=3.59 WOWO.L=2.20 WLIB.L=1.88 KPHN.C=1.73 | | | | | | | | | | | |
| NEW.A | US | AR | PINE BLUFF | 194.75 | 5.74 | 10.89 | 39.00 | 1.628 | 208.77 | 36.61 | 172.16 |
| 50% = 5.572, 25% = 6.513; XEWK/A=4.26 WOAI.L=3.59 WOWO.L=2.20 WLIB.L=1.88 KPHN.C=1.73 | | | | | | | | | | | |
| XEWK/O (0) | MX | JA | GUADALAJARA | 218.78 | 0.00 | 0.00 | 7.23 | 0.500 | 345.58S | 59.43 | 286.15 |
| XEWK/O (5) | MX | JA | GUADALAJARA | 217.57 | 0.00 | 0.00 | 7.47 | 0.500 | 334.69S | 58.57 | 276.12 |
| XEWK/O (10) | MX | JA | GUADALAJARA | 216.28 | 0.00 | 0.00 | 7.66 | 0.500 | 326.36S | 57.61 | 268.74 |
| XEWK/O (15) | MX | JA | GUADALAJARA | 214.94 | 0.00 | 0.00 | 7.80 | 0.500 | 320.51S | 56.56 | 263.95 |
| XEWK/O (20) | MX | JA | GUADALAJARA | 213.56 | 0.00 | 0.00 | 7.88 | 0.500 | 317.11S | 55.43 | 261.68 |
| XEWK/O (25) | MX | JA | GUADALAJARA | 212.16 | 0.00 | 0.00 | 7.91 | 0.500 | 316.14S | 54.24 | 261.90 |
| XEWK/O (30) | MX | JA | GUADALAJARA | 210.76 | 0.00 | 0.00 | 7.87 | 0.500 | 317.58S | 53.00 | 264.58 |
| XEWK/O (35) | MX | JA | GUADALAJARA | 209.38 | 0.00 | 0.00 | 7.78 | 0.500 | 321.46S | 51.74 | 269.72 |
| XEWK/O (40) | MX | JA | GUADALAJARA | 208.05 | 0.00 | 0.00 | 7.63 | 0.500 | 327.79S | 50.48 | 277.31 |
| XEWK/O (45) | MX | JA | GUADALAJARA | 206.77 | 0.00 | 0.00 | 7.43 | 0.500 | 336.62S | 49.25 | 287.38 |
| XEWK/O (50) | MX | JA | GUADALAJARA | 205.57 | 0.00 | 0.00 | 7.18 | 0.500 | 348.03S | 48.06 | 299.97 |
| XEWK/O (55) | MX | JA | GUADALAJARA | 204.45 | 0.00 | 0.00 | 6.94 | 0.500 | 360.40S | 46.94 | 313.46 |
| XEWK/O (60) | MX | JA | GUADALAJARA | 203.44 | 0.00 | 0.00 | 6.72 | 0.500 | 371.80S | 45.91 | 325.90 |
| XEWK/O (65) | MX | JA | GUADALAJARA | 202.53 | 0.00 | 0.00 | 6.49 | 0.500 | 384.94S | 44.98 | 339.96 |
| XEWK/O (70) | MX | JA | GUADALAJARA | 201.74 | 0.00 | 0.00 | 6.20 | 0.500 | 403.08S | 44.15 | 358.93 |

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## Tabulation of Proposed Nighttime Allocation

| Call Letters | Ct | St | City | Azi (deg) | Ang Low (deg) | Ang High (deg) | SWFF (100uV/m) | Req Prot (mV/m) | Permis (mV/m) | Cur Rad (mV/m) | Margin (mV/m) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| XEWK/O (75) | MX | JA | GUADALAJARA | 201.06 | 0.00 | 0.00 | 5.87 | 0.500 | 425.63S | 43.44 | 382.19 |
| XEWK/O (80) | MX | JA | GUADALAJARA | 200.50 | 0.00 | 0.00 | 5.56 | 0.500 | 449.64S | 42.85 | 406.79 |
| XEWK/O (85) | MX | JA | GUADALAJARA | 200.06 | 0.00 | 0.00 | 5.27 | 0.500 | 474.24S | 42.38 | 431.86 |
| XEWK/O (90) | MX | JA | GUADALAJARA | 199.73 | 0.00 | 0.00 | 5.00 | 0.500 | 499.57S | 42.03 | 457.54 |
| XEWK/O (95) | MX | JA | GUADALAJARA | 199.51 | 0.00 | 0.00 | 4.77 | 0.500 | 524.44S | 41.80 | 482.64 |
| XEWK/O (100) | MX | JA | GUADALAJARA | 199.40 | 0.00 | 0.00 | 4.54 | 0.500 | 550.55S | 41.68 | 508.87 |
| XEWK/O (105) | MX | JA | GUADALAJARA | 199.39 | 0.00 | 0.00 | 4.33 | 0.500 | 577.70S | 41.67 | 536.03 |
| XEWK/O (110) | MX | JA | GUADALAJARA | 199.47 | 0.00 | 0.00 | 4.13 | 0.500 | 605.33S | 41.76 | 563.57 |
| XEWK/O (115) | MX | JA | GUADALAJARA | 199.65 | 0.00 | 0.00 | 3.95 | 0.500 | 633.44S | 41.95 | 591.49 |
| XEWK/O (120) | MX | JA | GUADALAJARA | 199.91 | 0.00 | 0.00 | 3.78 | 0.500 | 660.94S | 42.23 | 618.72 |
| XEWK/O (125) | MX | JA | GUADALAJARA | 200.25 | 0.00 | 0.00 | 3.63 | 0.500 | 688.31S | 42.59 | 645.72 |
| XEWK/O (130) | MX | JA | GUADALAJARA | 200.67 | 0.00 | 0.00 | 3.50 | 0.500 | 713.88S | 43.03 | 670.85 |
| XEWK/O (135) | MX | JA | GUADALAJARA | 201.15 | 0.00 | 0.00 | 3.38 | 0.500 | 738.58S | 43.54 | 695.05 |
| XEWK/O (140) | MX | JA | GUADALAJARA | 202.07 | 0.00 | 0.00 | 3.31 | 0.507 | 767.38s | 44.50 | 722.89 |
| XEWK/O (145) | MX | JA | GUADALAJARA | 203.87 | 0.00 | 0.00 | 3.33 | 0.530 | 795.02s | 46.35 | 748.68 |
| XEWK/O (150) | MX | JA | GUADALAJARA | 205.26 | 0.00 | 0.00 | 3.35 | 0.543 | 809.94s | 47.75 | 762.18 |
| XEWK/O (155) | MX | JA | GUADALAJARA | 206.75 | 0.00 | 0.00 | 3.41 | 0.555 | 814.08s | 49.23 | 764.85 |
| XEWK/O (160) | MX | JA | GUADALAJARA | 207.65 | 0.00 | 0.00 | 3.42 | 0.555 | 811.37s | 50.11 | 761.26 |
| XEWK/O (165) | MX | JA | GUADALAJARA | 208.30 | 0.00 | 0.00 | 3.41 | 0.555 | 812.30s | 50.73 | 761.57 |
| XEWK/O (170) | MX | JA | GUADALAJARA | 208.89 | 0.00 | 0.00 | 3.41 | 0.552 | 809.86s | 51.28 | 758.58 |
| XEWK/O (175) | MX | JA | GUADALAJARA | 209.43 | 0.00 | 0.00 | 3.40 | 0.549 | 807.70s | 51.78 | 755.92 |
| XEWK/O (180) | MX | JA | GUADALAJARA | 209.94 | 0.00 | 0.00 | 3.39 | 0.548 | 807.78s | 52.25 | 755.53 |
| XEWK/O (185) | MX | JA | GUADALAJARA | 210.43 | 0.00 | 0.00 | 3.39 | 0.545 | 805.43s | 52.70 | 752.73 |
| XEWK/O (190) | MX | JA | GUADALAJARA | 210.94 | 0.00 | 0.00 | 3.40 | 0.538 | 790.69s | 53.16 | 737.53 |
| XEWK/O (195) | MX | JA | GUADALAJARA | 211.41 | 0.00 | 0.00 | 3.41 | 0.533 | 780.24s | 53.58 | 726.66 |
| XEWK/O (200) | MX | JA | GUADALAJARA | 211.84 | 0.00 | 0.00 | 3.43 | 0.528 | 770.27s | 53.96 | 716.31 |
| XEWK/O (205) | MX | JA | GUADALAJARA | 212.26 | 0.00 | 0.00 | 3.44 | 0.527 | 765.66s | 54.33 | 711.34 |
| XEWK/O (210) | MX | JA | GUADALAJARA | 212.66 | 0.00 | 0.00 | 3.45 | 0.525 | 761.24s | 54.67 | 706.57 |
| XEWK/O (215) | MX | JA | GUADALAJARA | 213.06 | 0.00 | 0.00 | 3.46 | 0.524 | 757.46s | 55.01 | 702.45 |
| XEWK/O (220) | MX | JA | GUADALAJARA | 213.46 | 0.00 | 0.00 | 3.47 | 0.526 | 757.18s | 55.35 | 701.83 |
| XEWK/O (225) | MX | JA | GUADALAJARA | 213.86 | 0.00 | 0.00 | 3.48 | 0.526 | 754.93s | 55.68 | 699.25 |
| XEWK/O (230) | MX | JA | GUADALAJARA | 214.25 | 0.00 | 0.00 | 3.50 | 0.527 | 752.95s | 56.00 | 696.95 |
| XEWK/O (235) | MX | JA | GUADALAJARA | 214.60 | 0.00 | 0.00 | 3.53 | 0.525 | 744.58s | 56.29 | 688.29 |
| XEWK/O (240) | MX | JA | GUADALAJARA | 214.95 | 0.00 | 0.00 | 3.55 | 0.526 | 739.61s | 56.57 | 683.04 |
| XEWK/O (245) | MX | JA | GUADALAJARA | 215.30 | 0.00 | 0.00 | 3.58 | 0.527 | 735.34s | 56.85 | 678.50 |
| XEWK/O (250) | MX | JA | GUADALAJARA | 215.66 | 0.00 | 0.00 | 3.61 | 0.526 | 728.50s | 57.13 | 671.37 |
| XEWK/O (255) | MX | JA | GUADALAJARA | 216.04 | 0.00 | 0.00 | 3.65 | 0.530 | 726.28s | 57.42 | 668.86 |
| XEWK/O (260) | MX | JA | GUADALAJARA | 216.43 | 0.00 | 0.00 | 3.68 | 0.533 | 724.44s | 57.73 | 666.71 |
| XEWK/O (265) | MX | JA | GUADALAJARA | 216.88 | 0.00 | 0.00 | 3.72 | 0.540 | 727.14s | 58.07 | 669.08 |
| XEWK/O (270) | MX | JA | GUADALAJARA | 217.38 | 0.00 | 0.00 | 3.76 | 0.546 | 726.89s | 58.44 | 668.45 |
| XEWK/O (275) | MX | JA | GUADALAJARA | 217.94 | 0.00 | 0.00 | 3.80 | 0.550 | 724.11s | 58.84 | 665.26 |
| XEWK/O (280) | MX | JA | GUADALAJARA | 218.60 | 0.00 | 0.00 | 3.85 | 0.555 | 720.79s | 59.31 | 661.48 |
| XEWK/O (285) | MX | JA | GUADALAJARA | 219.37 | 0.00 | 0.00 | 3.91 | 0.555 | 709.78s | 59.84 | 649.94 |
| XEWK/O (290) | MX | JA | GUADALAJARA | 219.91 | 0.00 | 0.00 | 4.00 | 0.555 | 694.29s | 60.20 | 634.09 |
| XEWK/O (295) | MX | JA | GUADALAJARA | 219.58 | 0.00 | 0.00 | 4.12 | 0.555 | 673.96s | 59.98 | 613.98 |
| XEWK/O (300) | MX | JA | GUADALAJARA | 225.03 | 0.00 | 0.00 | 4.17 | 0.500 | 599.39S | 63.16 | 536.23 |
| XEWK/O (305) | MX | JA | GUADALAJARA | 225.11 | 0.00 | 0.00 | 4.37 | 0.500 | 571.79S | 63.20 | 508.60 |
| XEWK/O (310) | MX | JA | GUADALAJARA | 225.09 | 0.00 | 0.00 | 4.59 | 0.500 | 544.98S | 63.19 | 481.79 |
| XEWK/O (315) | MX | JA | GUADALAJARA | 224.96 | 0.00 | 0.00 | 4.82 | 0.500 | 519.10S | 63.12 | 455.97 |
| XEWK/O (320) | MX | JA | GUADALAJARA | 224.73 | 0.00 | 0.00 | 5.05 | 0.500 | 494.62S | 63.01 | 431.61 |
| XEWK/O (325) | MX | JA | GUADALAJARA | 224.39 | 0.00 | 0.00 | 5.33 | 0.500 | 469.00S | 62.83 | 406.16 |
| XEWK/O (330) | MX | JA | GUADALAJARA | 223.93 | 0.00 | 0.00 | 5.62 | 0.500 | 444.88S | 62.59 | 382.29 |
| XEWK/O (335) | MX | JA | GUADALAJARA | 223.35 | 0.00 | 0.00 | 5.94 | 0.500 | 420.85S | 62.28 | 358.57 |
| XEWK/O (340) | MX | JA | GUADALAJARA | 222.66 | 0.00 | 0.00 | 6.27 | 0.500 | 398.86S | 61.89 | 336.97 |
| XEWK/O (345) | MX | JA | GUADALAJARA | 221.85 | 0.00 | 0.00 | 6.54 | 0.500 | 382.18S | 61.42 | 320.76 |
| XEWK/O (350) | MX | JA | GUADALAJARA | 220.93 | 0.00 | 0.00 | 6.77 | 0.500 | 369.40S | 60.86 | 308.55 |
| XEWK/O (355) | MX | JA | GUADALAJARA | 219.90 | 0.00 | 0.00 | 6.98 | 0.500 | 358.35S | 60.19 | 298.16 |
| XEWK/A (0) | MX | JA | GUADALAJARA | 217.33 | 0.00 | 0.00 | 6.56 | 0.500 | 381.05S | 58.40 | 322.65 |
| XEWK/A (5) | MX | JA | GUADALAJARA | 216.36 | 0.00 | 0.00 | 6.68 | 0.500 | 374.49S | 57.67 | 316.82 |
| XEWK/A (10) | MX | JA | GUADALAJARA | 215.34 | 0.00 | 0.00 | 6.77 | 0.500 | 369.42S | 56.88 | 312.54 |
| XEWK/A (15) | MX | JA | GUADALAJARA | 214.28 | 0.00 | 0.00 | 6.83 | 0.500 | 365.84S | 56.03 | 309.81 |
| XEWK/A (20) | MX | JA | GUADALAJARA | 213.20 | 0.00 | 0.00 | 6.87 | 0.500 | 363.76S | 55.13 | 308.63 |
| XEWK/A (25) | MX | JA | GUADALAJARA | 212.10 | 0.00 | 0.00 | 6.88 | 0.500 | 363.17S | 54.19 | 308.98 |
| XEWK/A (30) | MX | JA | GUADALAJARA | 211.00 | 0.00 | 0.00 | 6.87 | 0.500 | 364.09S | 53.22 | 310.87 |

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| Call Letters | Ct | St | City | Azi (deg) | Ang Low (deg) | Ang High (deg) | SWFF (100uV/m) | Req Prot (mV/m) | Permis (mV/m) | Cur Rad (mV/m) | Margin (mV/m) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| XEWK/A (35) | MX | JA | GUADALAJARA | 209.92 | 0.00 | 0.00 | 6.82 | 0.500 | 366.50S | 52.23 | 314.27 |
| XEWK/A (40) | MX | JA | GUADALAJARA | 208.86 | 0.00 | 0.00 | 6.75 | 0.500 | 370.41S | 51.25 | 319.16 |
| XEWK/A (45) | MX | JA | GUADALAJARA | 207.85 | 0.00 | 0.00 | 6.65 | 0.500 | 375.82S | 50.29 | 325.52 |
| XEWK/A (50) | MX | JA | GUADALAJARA | 206.89 | 0.00 | 0.00 | 6.53 | 0.500 | 382.71S | 49.37 | 333.34 |
| XEWK/A (55) | MX | JA | GUADALAJARA | 206.00 | 0.00 | 0.00 | 6.39 | 0.500 | 391.35S | 48.49 | 342.86 |
| XEWK/A (60) | MX | JA | GUADALAJARA | 205.17 | 0.00 | 0.00 | 6.18 | 0.500 | 404.61S | 47.66 | 356.95 |
| XEWK/A (65) | MX | JA | GUADALAJARA | 204.43 | 0.00 | 0.00 | 5.95 | 0.500 | 419.98S | 46.91 | 373.06 |
| XEWK/A (70) | MX | JA | GUADALAJARA | 203.77 | 0.00 | 0.00 | 5.71 | 0.500 | 437.45S | 46.24 | 391.21 |
| XEWK/A (75) | MX | JA | GUADALAJARA | 203.19 | 0.00 | 0.00 | 5.49 | 0.500 | 455.17S | 45.65 | 409.51 |
| XEWK/A (80) | MX | JA | GUADALAJARA | 202.71 | 0.00 | 0.00 | 5.27 | 0.500 | 474.36S | 45.16 | 429.20 |
| XEWK/A (85) | MX | JA | GUADALAJARA | 202.32 | 0.00 | 0.00 | 5.05 | 0.500 | 494.63S | 44.75 | 449.88 |
| XEWK/A (90) | MX | JA | GUADALAJARA | 202.01 | 0.00 | 0.00 | 4.86 | 0.500 | 514.15S | 44.44 | 469.72 |
| XEWK/A (95) | MX | JA | GUADALAJARA | 201.80 | 0.00 | 0.00 | 4.67 | 0.500 | 534.97S | 44.21 | 490.75 |
| XEWK/A (100) | MX | JA | GUADALAJARA | 201.68 | 0.00 | 0.00 | 4.49 | 0.500 | 556.48S | 44.08 | 512.40 |
| XEWK/A (105) | MX | JA | GUADALAJARA | 201.63 | 0.00 | 0.00 | 4.32 | 0.500 | 578.95S | 44.04 | 534.91 |
| XEWK/A (110) | MX | JA | GUADALAJARA | 201.67 | 0.00 | 0.00 | 4.15 | 0.500 | 601.73S | 44.08 | 557.65 |
| XEWK/A (115) | MX | JA | GUADALAJARA | 201.79 | 0.00 | 0.00 | 4.00 | 0.500 | 624.76S | 44.20 | 580.56 |
| XEWK/A (120) | MX | JA | GUADALAJARA | 201.97 | 0.00 | 0.00 | 3.86 | 0.500 | 647.88S | 44.39 | 603.49 |
| XEWK/A (125) | MX | JA | GUADALAJARA | 202.23 | 0.00 | 0.00 | 3.73 | 0.500 | 670.11S | 44.66 | 625.45 |
| XEWK/A (130) | MX | JA | GUADALAJARA | 202.55 | 0.00 | 0.00 | 3.61 | 0.500 | 692.43S | 45.00 | 647.44 |
| XEWK/A (135) | MX | JA | GUADALAJARA | 202.94 | 0.00 | 0.00 | 3.51 | 0.500 | 712.76S | 45.39 | 667.37 |
| XEWK/A (140) | MX | JA | GUADALAJARA | 203.37 | 0.00 | 0.00 | 3.41 | 0.500 | 732.39S | 45.84 | 686.55 |
| XEWK/A (145) | MX | JA | GUADALAJARA | 203.94 | 0.00 | 0.00 | 3.33 | 0.502 | 752.70s | 46.42 | 706.28 |
| XEWK/A (150) | MX | JA | GUADALAJARA | 205.31 | 0.00 | 0.00 | 3.35 | 0.522 | 779.82s | 47.80 | 732.02 |
| XEWK/A (155) | MX | JA | GUADALAJARA | 206.85 | 0.00 | 0.00 | 3.42 | 0.550 | 804.54s | 49.32 | 755.21 |
| XEWK/A (160) | MX | JA | GUADALAJARA | 207.67 | 0.00 | 0.00 | 3.42 | 0.560 | 818.14s | 50.12 | 768.02 |
| XEWK/A (165) | MX | JA | GUADALAJARA | 208.31 | 0.00 | 0.00 | 3.41 | 0.565 | 828.05s | 50.73 | 777.32 |
| XEWK/A (170) | MX | JA | GUADALAJARA | 208.89 | 0.00 | 0.00 | 3.41 | 0.568 | 834.16s | 51.28 | 782.88 |
| XEWK/A (175) | MX | JA | GUADALAJARA | 209.42 | 0.00 | 0.00 | 3.40 | 0.571 | 839.89s | 51.77 | 788.12 |
| XEWK/A (180) | MX | JA | GUADALAJARA | 209.92 | 0.00 | 0.00 | 3.39 | 0.572 | 843.26s | 52.23 | 791.03 |
| XEWK/A (185) | MX | JA | GUADALAJARA | 210.40 | 0.00 | 0.00 | 3.39 | 0.573 | 847.03s | 52.67 | 794.35 |
| XEWK/A (190) | MX | JA | GUADALAJARA | 210.90 | 0.00 | 0.00 | 3.40 | 0.573 | 842.54s | 53.12 | 789.42 |
| XEWK/A (195) | MX | JA | GUADALAJARA | 211.36 | 0.00 | 0.00 | 3.41 | 0.573 | 839.53s | 53.54 | 785.99 |
| XEWK/A (200) | MX | JA | GUADALAJARA | 211.79 | 0.00 | 0.00 | 3.43 | 0.575 | 839.37s | 53.92 | 785.45 |
| XEWK/A (205) | MX | JA | GUADALAJARA | 212.20 | 0.00 | 0.00 | 3.44 | 0.577 | 839.42s | 54.27 | 785.15 |
| XEWK/A (210) | MX | JA | GUADALAJARA | 212.60 | 0.00 | 0.00 | 3.45 | 0.578 | 838.02s | 54.62 | 783.41 |
| XEWK/A (215) | MX | JA | GUADALAJARA | 212.99 | 0.00 | 0.00 | 3.46 | 0.578 | 835.61s | 54.95 | 780.66 |
| XEWK/A (220) | MX | JA | GUADALAJARA | 213.38 | 0.00 | 0.00 | 3.47 | 0.579 | 834.43s | 55.28 | 779.15 |
| XEWK/A (225) | MX | JA | GUADALAJARA | 213.77 | 0.00 | 0.00 | 3.48 | 0.578 | 830.27s | 55.61 | 774.66 |
| XEWK/A (230) | MX | JA | GUADALAJARA | 214.17 | 0.00 | 0.00 | 3.49 | 0.577 | 826.61s | 55.94 | 770.67 |
| XEWK/A (235) | MX | JA | GUADALAJARA | 214.52 | 0.00 | 0.00 | 3.52 | 0.577 | 820.05s | 56.22 | 763.82 |
| XEWK/A (240) | MX | JA | GUADALAJARA | 214.86 | 0.00 | 0.00 | 3.55 | 0.578 | 814.60s | 56.50 | 758.09 |
| XEWK/A (245) | MX | JA | GUADALAJARA | 215.21 | 0.00 | 0.00 | 3.57 | 0.578 | 808.20s | 56.78 | 751.42 |
| XEWK/A (250) | MX | JA | GUADALAJARA | 215.57 | 0.00 | 0.00 | 3.60 | 0.576 | 798.36s | 57.06 | 741.30 |
| XEWK/A (255) | MX | JA | GUADALAJARA | 215.95 | 0.00 | 0.00 | 3.64 | 0.575 | 790.19s | 57.35 | 732.83 |
| XEWK/A (260) | MX | JA | GUADALAJARA | 216.34 | 0.00 | 0.00 | 3.67 | 0.573 | 780.37s | 57.66 | 722.71 |
| XEWK/A (265) | MX | JA | GUADALAJARA | 216.78 | 0.00 | 0.00 | 3.71 | 0.573 | 772.72s | 57.99 | 714.73 |
| XEWK/A (270) | MX | JA | GUADALAJARA | 217.27 | 0.00 | 0.00 | 3.75 | 0.573 | 763.97s | 58.36 | 705.62 |
| XEWK/A (275) | MX | JA | GUADALAJARA | 217.83 | 0.00 | 0.00 | 3.79 | 0.568 | 749.44s | 58.76 | 690.68 |
| XEWK/A (280) | MX | JA | GUADALAJARA | 218.48 | 0.00 | 0.00 | 3.84 | 0.563 | 732.85s | 59.22 | 673.62 |
| XEWK/A (285) | MX | JA | GUADALAJARA | 219.25 | 0.00 | 0.00 | 3.90 | 0.552 | 708.04s | 59.76 | 648.28 |
| XEWK/A (290) | MX | JA | GUADALAJARA | 219.96 | 0.00 | 0.00 | 3.98 | 0.545 | 683.98s | 60.23 | 623.75 |
| XEWK/A (295) | MX | JA | GUADALAJARA | 219.62 | 0.00 | 0.00 | 4.10 | 0.551 | 671.47s | 60.01 | 611.46 |
| XEWK/A (300) | MX | JA | GUADALAJARA | 219.32 | 0.00 | 0.00 | 4.22 | 0.557 | 660.17s | 59.80 | 600.37 |
| XEWK/A (305) | MX | JA | GUADALAJARA | 219.03 | 0.00 | 0.00 | 4.33 | 0.561 | 648.30s | 59.61 | 588.70 |
| XEWK/A (310) | MX | JA | GUADALAJARA | 222.67 | 0.00 | 0.00 | 4.53 | 0.500 | 551.37S | 61.90 | 489.47 |
| XEWK/A (315) | MX | JA | GUADALAJARA | 222.53 | 0.00 | 0.00 | 4.72 | 0.500 | 530.02S | 61.82 | 468.20 |
| XEWK/A (320) | MX | JA | GUADALAJARA | 222.31 | 0.00 | 0.00 | 4.91 | 0.500 | 509.53S | 61.69 | 447.84 |
| XEWK/A (325) | MX | JA | GUADALAJARA | 221.99 | 0.00 | 0.00 | 5.10 | 0.500 | 490.34S | 61.50 | 428.84 |
| XEWK/A (330) | MX | JA | GUADALAJARA | 221.59 | 0.00 | 0.00 | 5.32 | 0.500 | 469.83S | 61.26 | 408.57 |
| XEWK/A (335) | MX | JA | GUADALAJARA | 221.09 | 0.00 | 0.00 | 5.54 | 0.500 | 451.07S | 60.96 | 390.11 |
| XEWK/A (340) | MX | JA | GUADALAJARA | 220.50 | 0.00 | 0.00 | 5.77 | 0.500 | 433.32S | 60.59 | 372.74 |
| XEWK/A (345) | MX | JA | GUADALAJARA | 219.83 | 0.00 | 0.00 | 6.00 | 0.500 | 416.35S | 60.15 | 356.20 |
| XEWK/A (350) | MX | JA | GUADALAJARA | 219.07 | 0.00 | 0.00 | 6.23 | 0.500 | 401.47S | 59.64 | 341.83 |

# Exhibit 16.1
## Tabulation of Proposed Nighttime Allocation

| Call Letters | Ct | St | City | Azi (deg) | Ang Low (deg) | Ang High (deg) | SWFF (100uV/m) | Req Prot (mV/m) | Permis (mV/m) | Cur Rad (mV/m) | Margin (mV/m) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| XEWK/A (355) | MX | JA | GUADALAJARA | 218.24 | 0.00 | 0.00 | 6.43 | 0.500 | 389.09S | 59.05 | 330.03 |
| NEW.A | US | PA | WATERFORD | 96.83 | 9.01 | 15.73 | 54.04 | 4.027 | 372.58 | 17.12 | 355.46 |
| 50% = 15.524, 25% = 16.109; WOWO.L=13.61 WHAM.L=7.47 WLIB.L=4.30 | | | | | | | | | | | |
| KFXR.L | US | TX | DALLAS | 211.22 | 3.37 | 7.46 | 26.21 | 2.294 | 437.67 | 53.30 | 384.37 |
| 50% = 9.176, 25% = 9.176; WOAI.L=6.77 XEWK/A=6.19 | | | | | | | | | | | |
| NEW.A | US | PA | DU BOIS | 101.11 | 7.22 | 13.08 | 42.23 | 3.517 | 416.42 | 14.17 | 402.25 |
| 50% = 12.664, 25% = 14.068; WOWO.L=10.15 WHAM.L=7.58 WLIB.L=4.85 WBIS.C=3.74 | | | | | | | | | | | |
| WLIB.L | US | NY | NEW YORK | 96.74 | 3.57 | 7.74 | 21.48 | 1.876 | 436.50 | 16.40 | 420.09 |
| 50% = 7.502, 25% = 7.502; WHAM.L=6.20 WOWO.L=4.22 | | | | | | | | | | | |
| KEX.L (0) | US | OR | PORTLAND | 295.97 | 0.00 | 0.00 | 3.29 | 0.810 | 1231.43s | 40.33 | 1191.10 |
| KEX.L (5) | US | OR | PORTLAND | 296.00 | 0.00 | 0.00 | 3.40 | 0.693 | 1018.30s | 40.32 | 977.98 |
| KEX.L (10) | US | OR | PORTLAND | 296.02 | 0.00 | 0.00 | 3.53 | 0.583 | 826.13s | 40.31 | 785.81 |
| KEX.L (15) | US | OR | PORTLAND | 295.32 | 0.00 | 0.00 | 3.70 | 0.500 | 675.93S | 40.59 | 635.33 |
| KEX.L (20) | US | OR | PORTLAND | 288.61 | 0.00 | 0.00 | 4.00 | 0.500 | 624.55S | 43.67 | 580.89 |
| KEX.L (25) | US | OR | PORTLAND | 288.44 | 0.00 | 0.00 | 4.03 | 0.500 | 620.31S | 43.75 | 576.56 |
| KEX.L (30) | US | OR | PORTLAND | 288.29 | 0.00 | 0.00 | 4.05 | 0.500 | 616.63S | 43.83 | 572.80 |
| KEX.L (35) | US | OR | PORTLAND | 288.16 | 0.00 | 0.00 | 4.08 | 0.500 | 613.35S | 43.90 | 569.45 |
| KEX.L (40) | US | OR | PORTLAND | 288.16 | 0.00 | 0.00 | 4.11 | 0.500 | 608.93S | 43.90 | 565.03 |
| KEX.L (45) | US | OR | PORTLAND | 287.99 | 0.00 | 0.00 | 4.12 | 0.500 | 606.35S | 43.98 | 562.37 |
| KEX.L (50) | US | OR | PORTLAND | 287.85 | 0.00 | 0.00 | 4.14 | 0.500 | 603.92S | 44.06 | 559.87 |
| KEX.L (55) | US | OR | PORTLAND | 287.70 | 0.00 | 0.00 | 4.15 | 0.500 | 602.46S | 44.14 | 558.33 |
| KEX.L (60) | US | OR | PORTLAND | 287.57 | 0.00 | 0.00 | 4.16 | 0.500 | 601.13S | 44.21 | 556.92 |
| KEX.L (65) | US | OR | PORTLAND | 287.44 | 0.00 | 0.00 | 4.16 | 0.500 | 600.42S | 44.27 | 556.15 |
| KEX.L (70) | US | OR | PORTLAND | 287.35 | 0.00 | 0.00 | 4.18 | 0.500 | 597.79S | 44.32 | 553.47 |
| KEX.L (75) | US | OR | PORTLAND | 287.31 | 0.00 | 0.00 | 4.26 | 0.500 | 587.18S | 44.34 | 542.84 |
| KEX.L (80) | US | OR | PORTLAND | 287.14 | 0.00 | 0.00 | 4.19 | 0.500 | 596.54S | 44.43 | 552.12 |
| KEX.L (85) | US | OR | PORTLAND | 287.05 | 0.00 | 0.00 | 4.20 | 0.500 | 595.79S | 44.48 | 551.31 |
| KEX.L (90) | US | OR | PORTLAND | 286.95 | 0.00 | 0.00 | 4.21 | 0.500 | 594.22S | 44.53 | 549.69 |
| KEX.L (95) | US | OR | PORTLAND | 286.86 | 0.00 | 0.00 | 4.22 | 0.500 | 592.99S | 44.58 | 548.41 |
| KEX.L (100) | US | OR | PORTLAND | 286.76 | 0.00 | 0.00 | 4.23 | 0.500 | 591.71S | 44.63 | 547.08 |
| KEX.L (105) | US | OR | PORTLAND | 286.65 | 0.00 | 0.00 | 4.23 | 0.500 | 590.44S | 44.69 | 545.75 |
| KEX.L (110) | US | OR | PORTLAND | 286.56 | 0.00 | 0.00 | 4.24 | 0.500 | 590.27S | 44.74 | 545.53 |
| KEX.L (115) | US | OR | PORTLAND | 286.43 | 0.00 | 0.00 | 4.25 | 0.500 | 588.14S | 44.81 | 543.33 |
| KEX.L (120) | US | OR | PORTLAND | 286.32 | 0.00 | 0.00 | 4.26 | 0.500 | 587.51S | 44.87 | 542.64 |
| KEX.L (125) | US | OR | PORTLAND | 286.24 | 0.00 | 0.00 | 4.25 | 0.500 | 588.45S | 44.91 | 543.54 |
| KEX.L (130) | US | OR | PORTLAND | 286.21 | 0.00 | 0.00 | 4.23 | 0.500 | 590.76S | 44.93 | 545.83 |
| KEX.L (135) | US | OR | PORTLAND | 286.27 | 0.00 | 0.00 | 4.20 | 0.500 | 595.58S | 44.90 | 550.68 |
| KEX.L (140) | US | OR | PORTLAND | 286.30 | 0.00 | 0.00 | 4.17 | 0.500 | 599.16S | 44.88 | 554.28 |
| KEX.L (145) | US | OR | PORTLAND | 286.32 | 0.00 | 0.00 | 4.15 | 0.500 | 601.69S | 44.87 | 556.83 |
| KEX.L (150) | US | OR | PORTLAND | 286.10 | 0.00 | 0.00 | 4.18 | 0.500 | 598.67S | 44.98 | 553.68 |
| KEX.L (155) | US | OR | PORTLAND | 285.82 | 0.00 | 0.00 | 4.20 | 0.500 | 595.30S | 45.14 | 550.16 |
| KEX.L (160) | US | OR | PORTLAND | 285.56 | 0.00 | 0.00 | 4.21 | 0.500 | 593.39S | 45.28 | 548.11 |
| KEX.L (165) | US | OR | PORTLAND | 285.44 | 0.00 | 0.00 | 4.20 | 0.500 | 594.60S | 45.35 | 549.25 |
| KEX.L (170) | US | OR | PORTLAND | 274.62 | 0.00 | 0.00 | 5.03 | 0.500 | 497.17S | 51.79 | 445.38 |
| KEX.L (175) | US | OR | PORTLAND | 271.34 | 0.00 | 0.00 | 4.97 | 0.500 | 503.01S | 53.84 | 449.17 |
| KEX.L (180) | US | OR | PORTLAND | 268.91 | 0.00 | 0.00 | 4.77 | 0.500 | 523.66S | 55.35 | 468.31 |
| KEX.L (185) | US | OR | PORTLAND | 271.18 | 0.00 | 0.00 | 4.52 | 0.671 | 743.20s | 53.94 | 689.26 |
| KEX.L (190) | US | OR | PORTLAND | 273.75 | 0.00 | 0.00 | 4.30 | 0.898 | 1044.40s | 52.33 | 992.07 |
| KEX.L (195) | US | OR | PORTLAND | 275.55 | 0.00 | 0.00 | 4.12 | 1.103 | 1337.72s | 51.21 | 1286.51 |
| KEX.L (200) | US | OR | PORTLAND | 278.91 | 0.00 | 0.00 | 4.01 | 1.457 | 1817.92s | 49.15 | 1768.77 |
| KEX.L (205) | US | OR | PORTLAND | 280.30 | 0.00 | 0.00 | 3.91 | 1.593 | 2038.84s | 48.30 | 1990.54 |
| KEX.L (210) | US | OR | PORTLAND | 281.27 | 0.00 | 0.00 | 3.82 | 1.655 | 2166.85s | 47.73 | 2119.12 |
| KEX.L (215) | US | OR | PORTLAND | 282.59 | 0.00 | 0.00 | 3.77 | 1.559 | 2064.58s | 46.95 | 2017.63 |
| KEX.L (220) | US | OR | PORTLAND | 283.74 | 0.00 | 0.00 | 3.76 | 1.236 | 1645.55s | 46.30 | 1599.25 |
| KEX.L (225) | US | OR | PORTLAND | 284.42 | 0.00 | 0.00 | 3.73 | 0.972 | 1302.93s | 45.91 | 1257.02 |
| KEX.L (230) | US | OR | PORTLAND | 284.95 | 0.00 | 0.00 | 3.71 | 0.756 | 1020.29s | 45.62 | 974.67 |
| KEX.L (235) | US | OR | PORTLAND | 285.38 | 0.00 | 0.00 | 3.69 | 0.566 | 768.19s | 45.38 | 722.81 |
| KEX.L (240) | US | OR | PORTLAND | 285.76 | 0.00 | 0.00 | 3.67 | 0.500 | 681.34P | 45.17 | 636.17 |
| KEX.L (245) | US | OR | PORTLAND | 286.09 | 0.00 | 0.00 | 3.65 | 0.500 | 684.26P | 44.99 | 639.26 |
| KEX.L (250) | US | OR | PORTLAND | 286.38 | 0.00 | 0.00 | 3.64 | 0.521 | 715.54g | 44.83 | 670.71 |

# Exhibit 16.1
## Tabulation of Proposed Nighttime Allocation

| Call Letters | Ct | St | City | Azi (deg) | Ang Low (deg) | Ang High (deg) | SWFF (100uV/m) | Req Prot (mV/m) | Permis (mV/m) | Cur Rad (mV/m) | Margin (mV/m) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| KEX.L (255) | US | OR | PORTLAND | 286.65 | 0.00 | 0.00 | 3.62 | 0.584 | 805.83g | 44.69 | 761.14 |
| KEX.L (260) | US | OR | PORTLAND | 286.91 | 0.00 | 0.00 | 3.61 | 0.625 | 865.40g | 44.55 | 820.85 |
| KEX.L (265) | US | OR | PORTLAND | 287.15 | 0.00 | 0.00 | 3.60 | 0.640 | 889.34g | 44.42 | 844.92 |
| KEX.L (270) | US | OR | PORTLAND | 287.38 | 0.00 | 0.00 | 3.58 | 0.637 | 889.19g | 44.30 | 844.89 |
| KEX.L (275) | US | OR | PORTLAND | 287.61 | 0.00 | 0.00 | 3.57 | 0.681 | 953.99g | 44.18 | 909.81 |
| KEX.L (280) | US | OR | PORTLAND | 287.84 | 0.00 | 0.00 | 3.56 | 0.648 | 911.18g | 44.06 | 867.12 |
| KEX.L (285) | US | OR | PORTLAND | 288.08 | 0.00 | 0.00 | 3.54 | 0.646 | 911.96g | 43.94 | 868.02 |
| KEX.L (290) | US | OR | PORTLAND | 288.33 | 0.00 | 0.00 | 3.53 | 0.577 | 818.16g | 43.81 | 774.35 |
| KEX.L (295) | US | OR | PORTLAND | 288.60 | 0.00 | 0.00 | 3.51 | 0.538 | 767.47g | 43.67 | 723.80 |
| KEX.L (300) | US | OR | PORTLAND | 288.89 | 0.00 | 0.00 | 3.49 | 0.500 | 717.33P | 43.52 | 673.80 |
| KEX.L (305) | US | OR | PORTLAND | 289.22 | 0.00 | 0.00 | 3.46 | 0.500 | 722.33P | 43.36 | 678.97 |
| KEX.L (310) | US | OR | PORTLAND | 289.58 | 0.00 | 0.00 | 3.43 | 0.500 | 728.19P | 43.18 | 685.01 |
| KEX.L (315) | US | OR | PORTLAND | 290.01 | 0.00 | 0.00 | 3.40 | 0.603 | 886.61s | 42.97 | 843.65 |
| KEX.L (320) | US | OR | PORTLAND | 290.59 | 0.00 | 0.00 | 3.35 | 0.818 | 1221.12s | 42.69 | 1178.43 |
| KEX.L (325) | US | OR | PORTLAND | 291.38 | 0.00 | 0.00 | 3.27 | 1.085 | 1657.98s | 42.31 | 1615.67 |
| KEX.L (330) | US | OR | PORTLAND | 293.20 | 0.00 | 0.00 | 3.05 | 1.396 | 2289.24s | 41.49 | 2247.75 |
| KEX.L (335) | US | OR | PORTLAND | 294.65 | 0.00 | 0.00 | 2.92 | 1.350 | 2308.13s | 40.87 | 2267.26 |
| KEX.L (340) | US | OR | PORTLAND | 294.36 | 0.00 | 0.00 | 3.06 | 1.272 | 2077.68s | 40.99 | 2036.69 |
| KEX.L (345) | US | OR | PORTLAND | 294.11 | 0.00 | 0.00 | 3.19 | 1.166 | 1830.65s | 41.09 | 1789.56 |
| KEX.L (350) | US | OR | PORTLAND | 294.15 | 0.00 | 0.00 | 3.27 | 1.058 | 1618.60s | 41.08 | 1577.52 |
| KEX.L (355) | US | OR | PORTLAND | 295.95 | 0.00 | 0.00 | 3.18 | 0.926 | 1457.97s | 40.34 | 1417.63 |
| WRTO.L | US | IL | CHICAGO | 140.08 | 34.03 | 48.29 | 274.61 | 2.603 | 474.01 | 14.77 | 459.25 |
| 50% = 10.414, 25% = 10.414; WOAI.L=10.41 | | | | | | | | | | | |
| WRTO.C | US | IL | CHICAGO | 141.46 | 33.77 | 48.03 | 272.76 | 2.620 | 480.35 | 14.77 | 465.58 |
| 50% = 10.482, 25% = 10.482; WOAI.L=10.48 | | | | | | | | | | | |
| NEW.A | US | TX | AMARILLO | 234.33 | 2.63 | 6.40 | 21.82 | 2.407 | 551.53 | 66.16 | 485.37 |
| 50% = 8.88, 25% = 9.627; XEWK/A=5.60 KFXR.L=5.54 WOAI.L=4.10 KNUV.L=2.73 KPHN.L=2.53 | | | | | | | | | | | |
| WHAM.L (0) | US | NY | ROCHESTER | 82.83 | 6.71 | 12.33 | 36.28 | 4.643 | 6400.05g | 28.74 | 6371.31 |
| WHAM.L (5) | US | NY | ROCHESTER | 82.82 | 6.65 | 12.24 | 35.89 | 4.606 | 6415.51g | 28.74 | 6386.77 |
| WHAM.L (10) | US | NY | ROCHESTER | 82.82 | 6.59 | 12.14 | 35.51 | 4.467 | 6290.09g | 28.75 | 6261.35 |
| WHAM.L (15) | US | NY | ROCHESTER | 82.81 | 6.53 | 12.05 | 35.12 | 4.244 | 6043.26g | 28.75 | 6014.50 |
| WHAM.L (20) | US | NY | ROCHESTER | 82.80 | 6.46 | 11.95 | 34.71 | 3.947 | 5685.86g | 28.76 | 5657.09 |
| WHAM.L (25) | US | NY | ROCHESTER | 82.78 | 6.39 | 11.85 | 34.28 | 3.592 | 5238.03g | 28.77 | 5209.26 |
| WHAM.L (30) | US | NY | ROCHESTER | 82.77 | 6.31 | 11.74 | 33.82 | 3.189 | 4714.15g | 28.79 | 4685.36 |
| WHAM.L (35) | US | NY | ROCHESTER | 82.75 | 6.23 | 11.62 | 33.32 | 2.758 | 4137.80g | 28.80 | 4109.00 |
| WHAM.L (40) | US | NY | ROCHESTER | 82.74 | 6.14 | 11.48 | 32.77 | 2.317 | 3535.23g | 28.82 | 3506.41 |
| WHAM.L (45) | US | NY | ROCHESTER | 80.18 | 5.57 | 10.64 | 29.11 | 0.500 | 858.86G | 31.40 | 827.46 |
| WHAM.L (50) | US | NY | ROCHESTER | 81.18 | 5.58 | 10.66 | 29.33 | 0.500 | 852.43G | 30.36 | 822.06 |
| WHAM.L (55) | US | NY | ROCHESTER | 81.88 | 5.55 | 10.62 | 29.27 | 0.500 | 854.13G | 29.66 | 824.47 |
| WHAM.L (60) | US | NY | ROCHESTER | 82.52 | 5.52 | 10.57 | 29.18 | 0.500 | 856.62G | 29.02 | 827.59 |
| WHAM.L (65) | US | NY | ROCHESTER | 83.18 | 5.51 | 10.55 | 29.22 | 0.500 | 855.48G | 28.36 | 827.12 |
| WHAM.L (70) | US | NY | ROCHESTER | 83.97 | 5.57 | 10.64 | 29.68 | 0.500 | 842.23G | 27.59 | 814.65 |
| WHAM.L (75) | US | NY | ROCHESTER | 84.55 | 5.57 | 10.65 | 29.78 | 0.500 | 839.47G | 27.02 | 812.45 |
| WHAM.L (80) | US | NY | ROCHESTER | 85.07 | 5.55 | 10.61 | 29.73 | 0.500 | 840.97G | 26.52 | 814.45 |
| WHAM.L (85) | US | NY | ROCHESTER | 85.60 | 5.53 | 10.59 | 29.71 | 0.500 | 841.36G | 26.02 | 815.34 |
| WHAM.L (90) | US | NY | ROCHESTER | 86.13 | 5.52 | 10.57 | 29.74 | 0.500 | 840.65G | 25.52 | 815.14 |
| WHAM.L (95) | US | NY | ROCHESTER | 86.66 | 5.52 | 10.57 | 29.80 | 0.500 | 838.85G | 25.01 | 813.84 |
| WHAM.L (100) | US | NY | ROCHESTER | 87.19 | 5.52 | 10.58 | 29.91 | 0.500 | 835.98G | 24.52 | 811.46 |
| WHAM.L (105) | US | NY | ROCHESTER | 87.71 | 5.54 | 10.59 | 30.05 | 0.500 | 832.07G | 24.03 | 808.04 |
| WHAM.L (110) | US | NY | ROCHESTER | 88.24 | 5.55 | 10.62 | 30.22 | 0.500 | 827.16G | 23.55 | 803.61 |
| WHAM.L (115) | US | NY | ROCHESTER | 88.75 | 5.58 | 10.66 | 30.44 | 0.500 | 821.30G | 23.09 | 798.21 |
| WHAM.L (120) | US | NY | ROCHESTER | 89.26 | 5.61 | 10.70 | 30.69 | 0.500 | 814.54G | 22.64 | 791.90 |
| WHAM.L (125) | US | NY | ROCHESTER | 89.75 | 5.65 | 10.76 | 30.98 | 0.500 | 806.94G | 22.21 | 784.74 |
| WHAM.L (130) | US | NY | ROCHESTER | 90.23 | 5.69 | 10.82 | 31.31 | 0.500 | 798.56G | 21.79 | 776.77 |
| WHAM.L (135) | US | NY | ROCHESTER | 90.69 | 5.74 | 10.90 | 31.67 | 0.500 | 789.46G | 21.39 | 768.07 |
| WHAM.L (140) | US | NY | ROCHESTER | 91.14 | 5.80 | 10.98 | 32.06 | 0.500 | 779.73G | 21.02 | 758.71 |
| WHAM.L (145) | US | NY | ROCHESTER | 91.57 | 5.87 | 11.08 | 32.49 | 0.500 | 769.42G | 20.66 | 748.76 |
| WHAM.L (150) | US | NY | ROCHESTER | 91.98 | 5.94 | 11.18 | 32.95 | 0.500 | 758.61G | 20.33 | 738.29 |
| WHAM.L (155) | US | NY | ROCHESTER | 92.38 | 6.01 | 11.29 | 33.45 | 0.500 | 747.38G | 20.01 | 727.38 |
| WHAM.L (160) | US | NY | ROCHESTER | 92.75 | 6.09 | 11.41 | 33.99 | 0.500 | 735.58G | 19.71 | 715.87 |
| WHAM.L (165) | US | NY | ROCHESTER | 93.09 | 6.18 | 11.54 | 34.56 | 0.500 | 723.32G | 19.44 | 703.88 |

# Exhibit 16.1
## Tabulation of Proposed Nighttime Allocation

| Call Letters | Ct | St | City | Azi (deg) | Ang Low (deg) | Ang High (deg) | SWFF (100uV/m) | Req Prot (mV/m) | Permis (mV/m) | Cur Rad (mV/m) | Margin (mV/m) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WHAM.L (170) | US | NY | ROCHESTER | 93.42 | 6.27 | 11.68 | 35.17 | 0.500 | 710.75G | 19.20 | 691.55 |
| WHAM.L (175) | US | NY | ROCHESTER | 93.71 | 6.38 | 11.83 | 35.83 | 0.500 | 697.70G | 18.99 | 678.71 |
| WHAM.L (180) | US | NY | ROCHESTER | 93.93 | 6.49 | 11.99 | 36.53 | 0.500 | 684.30G | 18.83 | 665.47 |
| WHAM.L (185) | US | NY | ROCHESTER | 94.08 | 6.60 | 12.16 | 37.27 | 0.500 | 670.72G | 18.73 | 651.99 |
| WHAM.L (190) | US | NY | ROCHESTER | 94.13 | 6.72 | 12.34 | 38.04 | 0.500 | 657.23G | 18.70 | 638.54 |
| WHAM.L (195) | US | NY | ROCHESTER | 94.12 | 6.85 | 12.53 | 38.82 | 0.500 | 644.04G | 18.73 | 625.31 |
| WHAM.L (200) | US | NY | ROCHESTER | 94.06 | 6.97 | 12.71 | 39.61 | 0.500 | 631.19G | 18.80 | 612.39 |
| WHAM.L (205) | US | NY | ROCHESTER | 93.94 | 7.10 | 12.90 | 40.41 | 0.500 | 618.73G | 18.91 | 599.82 |
| WHAM.L (210) | US | NY | ROCHESTER | 93.75 | 7.23 | 13.09 | 41.20 | 0.500 | 606.83G | 19.07 | 587.76 |
| WHAM.L (215) | US | NY | ROCHESTER | 93.51 | 7.35 | 13.27 | 41.98 | 0.500 | 595.47G | 19.28 | 576.19 |
| WHAM.L (220) | US | NY | ROCHESTER | 93.21 | 7.47 | 13.46 | 42.76 | 0.500 | 584.70G | 19.53 | 565.17 |
| WHAM.L (225) | US | NY | ROCHESTER | 92.86 | 7.60 | 13.64 | 43.51 | 0.500 | 574.56G | 19.82 | 554.74 |
| WHAM.L (230) | US | NY | ROCHESTER | 92.45 | 7.71 | 13.81 | 44.24 | 0.500 | 565.10G | 20.17 | 544.93 |
| WHAM.L (235) | US | NY | ROCHESTER | 91.98 | 7.82 | 13.98 | 44.94 | 0.500 | 556.34G | 20.56 | 535.78 |
| WHAM.L (240) | US | NY | ROCHESTER | 91.72 | 7.99 | 14.23 | 46.05 | 0.500 | 542.85G | 20.80 | 522.05 |
| WHAM.L (245) | US | NY | ROCHESTER | 91.52 | 8.22 | 14.56 | 47.59 | 0.500 | 525.34G | 21.00 | 504.34 |
| WHAM.L (250) | US | NY | ROCHESTER | 90.92 | 8.37 | 14.78 | 48.54 | 0.500 | 515.05G | 21.51 | 493.54 |
| WHAM.L (255) | US | NY | ROCHESTER | 88.98 | 7.90 | 14.09 | 44.99 | 1.188 | 1320.66g | 23.11 | 1297.56 |
| WHAM.L (260) | US | NY | ROCHESTER | 88.28 | 7.86 | 14.04 | 44.65 | 1.370 | 1534.29g | 23.71 | 1510.57 |
| WHAM.L (265) | US | NY | ROCHESTER | 87.79 | 7.98 | 14.21 | 45.40 | 1.157 | 1273.99g | 24.16 | 1249.83 |
| WHAM.L (270) | US | NY | ROCHESTER | 87.16 | 7.99 | 14.23 | 45.37 | 1.172 | 1291.52g | 24.73 | 1266.79 |
| WHAM.L (275) | US | NY | ROCHESTER | 86.53 | 8.04 | 14.30 | 45.61 | 1.092 | 1197.36g | 25.31 | 1172.06 |
| WHAM.L (280) | US | NY | ROCHESTER | 85.86 | 8.06 | 14.33 | 45.64 | 1.039 | 1138.54g | 25.92 | 1112.62 |
| WHAM.L (285) | US | NY | ROCHESTER | 85.09 | 8.14 | 14.45 | 46.09 | 0.882 | 956.39g | 26.63 | 929.76 |
| WHAM.L (290) | US | NY | ROCHESTER | 84.19 | 8.23 | 14.58 | 46.59 | 0.735 | 788.98g | 27.47 | 761.51 |
| WHAM.L (295) | US | NY | ROCHESTER | 83.74 | 8.05 | 14.31 | 45.25 | 0.905 | 999.76g | 27.89 | 971.87 |
| WHAM.L (300) | US | NY | ROCHESTER | 83.36 | 7.90 | 14.08 | 44.12 | 1.086 | 1230.10g | 28.25 | 1201.85 |
| WHAM.L (305) | US | NY | ROCHESTER | 83.03 | 7.76 | 13.88 | 43.16 | 1.271 | 1472.29g | 28.56 | 1443.73 |
| WHAM.L (310) | US | NY | ROCHESTER | 82.80 | 7.63 | 13.69 | 42.22 | 1.495 | 1769.93g | 28.78 | 1741.15 |
| WHAM.L (315) | US | NY | ROCHESTER | 82.81 | 7.47 | 13.45 | 41.16 | 1.900 | 2308.63g | 28.77 | 2279.86 |
| WHAM.L (320) | US | NY | ROCHESTER | 82.81 | 7.34 | 13.26 | 40.30 | 2.322 | 2881.07g | 28.76 | 2852.31 |
| WHAM.L (325) | US | NY | ROCHESTER | 82.82 | 7.23 | 13.09 | 39.58 | 2.744 | 3466.10g | 28.76 | 3437.34 |
| WHAM.L (330) | US | NY | ROCHESTER | 82.82 | 7.14 | 12.95 | 38.97 | 3.174 | 4073.05g | 28.75 | 4044.30 |
| WHAM.L (335) | US | NY | ROCHESTER | 82.83 | 7.05 | 12.83 | 38.42 | 3.575 | 4652.61g | 28.74 | 4623.86 |
| WHAM.L (340) | US | NY | ROCHESTER | 82.83 | 6.97 | 12.71 | 37.93 | 3.930 | 5180.40g | 28.74 | 5151.66 |
| WHAM.L (345) | US | NY | ROCHESTER | 82.83 | 6.90 | 12.61 | 37.49 | 4.228 | 5638.97g | 28.74 | 5610.24 |
| WHAM.L (350) | US | NY | ROCHESTER | 82.83 | 6.84 | 12.51 | 37.07 | 4.451 | 6004.29g | 28.73 | 5975.55 |
| WHAM.L (355) | US | NY | ROCHESTER | 82.83 | 6.77 | 12.42 | 36.66 | 4.591 | 6260.15g | 28.73 | 6231.42 |
| NEW.A | US | AL | GEORGIANA | 169.50 | 3.41 | 7.52 | 26.62 | 3.130 | 587.93 | 14.03 | 573.90 |
| 50% = 11.947, 25% = 12.521; WOWO.L=11.95 XEWK/A=3.75 | | | | | | | | | | | |
| NEW.A | US | NC | RED OAK | 125.59 | 3.78 | 8.05 | 25.77 | 3.853 | 747.74 | 12.06 | 735.68 |
| 50% = 13.505, 25% = 15.413; WOWO.L=13.50 WBIS.C=5.67 WLIB.L=4.79 | | | | | | | | | | | |
| WBIS.C | US | MD | GARRISON | 107.67 | 4.81 | 9.53 | 28.88 | 4.562 | 789.81 | 11.28 | 778.53 |
| 50% = 17.228, 25% = 18.25; WLIB.L=15.36 WOWO.L=7.81 WHAM.L=6.02 | | | | | | | | | | | |
| KNUV.C | US | AZ | TOLLESON | 249.34 | 0.00 | 0.88 | 9.04 | 1.538 | 850.34 | 65.08 | 785.25 |
| 50% = 5.422, 25% = 6.203; XEWK/A=5.42 KXMX.L=1.98 KFXR.L=1.67 WOAI.L=1.54 | | | | | | | | | | | |
| KNUV.L | US | AZ | TOLLESON | 249.34 | 0.00 | 0.88 | 9.04 | 1.538 | 850.34 | 65.08 | 785.25 |
| 50% = 5.422, 25% = 6.203; XEWK/A=5.42 KXMX.L=1.98 KFXR.L=1.67 WOAI.L=1.54 | | | | | | | | | | | |
| WAMT.A | US | FL | PINE CASTLE SKY | 154.20 | 0.62 | 3.64 | 15.63 | 2.720 | 870.46 | 10.95 | 859.51 |
| 50% = 9.691, 25% = 10.881; WOWO.L=9.69 XEWK/A=3.01 YVZD-A=2.80 YVRE-A=2.76 | | | | | | | | | | | |
| WAMT.C | US | FL | PINE CASTLE-SKY | 154.20 | 0.62 | 3.64 | 15.63 | 2.720 | 870.46 | 10.95 | 859.51 |
| 50% = 9.691, 25% = 10.881; WOWO.L=9.69 XEWK/A=3.01 YVZD-A=2.80 YVRE-A=2.76 | | | | | | | | | | | |
| NEW.A | US | MN | CHANHASSEN | 299.20 | 19.33 | 30.55 | 140.62 | 2.712 | 964.33 | 39.55 | 924.78 |
| 50% = 10.488, 25% = 10.848; WOAI.L=9.03 WRTO.C=5.33 KFNW.C=2.77 | | | | | | | | | | | |

# Exhibit 16.1
## Tabulation of Proposed Nighttime Allocation

| Call Letters | Ct | St | City | Azi (deg) | Ang Low (deg) | Ang High (deg) | SWFF (100uV/m) | Req Prot (mV/m) | Permis (mV/m) | Cur Rad (mV/m) | Margin (mV/m) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WPSP.L | US | FL | ROYAL PALM BEAC | 153.09 | 0.00 | 2.36 | 12.98 | 2.513 | 968.04 | 11.06 | 956.98 |
| 50% = 7.841, 25% = 10.288; WOWO.L=7.84 YVZD-A=3.31 YVRE-A=3.27 XEWK/A=2.94 WLIB.L=2.78 HJOH-A=2.51 | | | | | | | | | | | |
| NEW.A | US | MN | ROCKVILLE | 302.94 | 15.87 | 25.75 | 108.00 | 2.222 | 1028.82 | 38.70 | 990.12 |
| 50% = 8.889, 25% = 8.889; WHAM.L=8.89 | | | | | | | | | | | |
| NEW.A | US | MN | BETHEL | 308.61 | 18.67 | 29.65 | 133.24 | 2.863 | 1074.46 | 37.87 | 1036.59 |
| 50% = 10.502, 25% = 11.452; WOAI.L=8.32 WRTO.C=6.41 KFNW.C=4.57 | | | | | | | | | | | |
| WOAI.L (0) | US | TX | SAN ANTONIO | 212.92 | 1.67 | 5.08 | 19.28 | 0.500 | 1296.99G | 54.87 | 1242.12 |
| WOAI.L (5) | US | TX | SAN ANTONIO | 212.48 | 1.71 | 5.13 | 19.42 | 0.500 | 1287.56G | 54.49 | 1233.07 |
| WOAI.L (10) | US | TX | SAN ANTONIO | 212.02 | 1.74 | 5.17 | 19.54 | 0.500 | 1279.28G | 54.09 | 1225.19 |
| WOAI.L (15) | US | TX | SAN ANTONIO | 211.55 | 1.77 | 5.21 | 19.65 | 0.500 | 1271.98G | 53.67 | 1218.31 |
| WOAI.L (20) | US | TX | SAN ANTONIO | 211.08 | 1.84 | 5.31 | 19.94 | 0.500 | 1253.45G | 53.26 | 1200.19 |
| WOAI.L (25) | US | TX | SAN ANTONIO | 210.54 | 2.19 | 5.80 | 21.28 | 0.500 | 1175.00G | 52.76 | 1122.24 |
| WOAI.L (30) | US | TX | SAN ANTONIO | 209.79 | 2.16 | 5.75 | 21.17 | 0.500 | 1180.79G | 52.07 | 1128.72 |
| WOAI.L (35) | US | TX | SAN ANTONIO | 209.10 | 2.10 | 5.66 | 20.94 | 0.500 | 1193.64G | 51.44 | 1142.20 |
| WOAI.L (40) | US | TX | SAN ANTONIO | 208.58 | 1.98 | 5.50 | 20.51 | 0.500 | 1218.73G | 50.95 | 1167.78 |
| WOAI.L (45) | US | TX | SAN ANTONIO | 207.95 | 1.94 | 5.45 | 20.40 | 0.500 | 1225.23G | 50.36 | 1174.87 |
| WOAI.L (50) | US | TX | SAN ANTONIO | 207.36 | 1.90 | 5.39 | 20.26 | 0.500 | 1233.82G | 49.79 | 1184.03 |
| WOAI.L (55) | US | TX | SAN ANTONIO | 206.80 | 1.85 | 5.32 | 20.09 | 0.500 | 1244.43G | 49.24 | 1195.19 |
| WOAI.L (60) | US | TX | SAN ANTONIO | 206.27 | 1.79 | 5.24 | 19.89 | 0.500 | 1256.96G | 48.73 | 1208.23 |
| WOAI.L (65) | US | TX | SAN ANTONIO | 205.79 | 1.73 | 5.15 | 19.66 | 0.500 | 1271.30G | 48.26 | 1223.04 |
| WOAI.L (70) | US | TX | SAN ANTONIO | 205.35 | 1.66 | 5.05 | 19.42 | 0.500 | 1287.31G | 47.82 | 1239.49 |
| WOAI.L (75) | US | TX | SAN ANTONIO | 204.96 | 1.58 | 4.95 | 19.16 | 0.500 | 1304.87G | 47.44 | 1257.43 |
| WOAI.L (80) | US | TX | SAN ANTONIO | 204.63 | 1.50 | 4.83 | 18.88 | 0.500 | 1323.82G | 47.10 | 1276.71 |
| WOAI.L (85) | US | TX | SAN ANTONIO | 204.26 | 1.42 | 4.73 | 18.62 | 0.500 | 1342.41G | 46.73 | 1295.67 |
| WOAI.L (90) | US | TX | SAN ANTONIO | 203.85 | 1.34 | 4.62 | 18.36 | 0.500 | 1361.43G | 46.32 | 1315.11 |
| WOAI.L (95) | US | TX | SAN ANTONIO | 203.43 | 1.26 | 4.51 | 18.09 | 0.500 | 1381.89G | 45.89 | 1336.00 |
| WOAI.L (100) | US | TX | SAN ANTONIO | 203.10 | 1.17 | 4.38 | 17.79 | 0.500 | 1405.02G | 45.56 | 1359.47 |
| WOAI.L (105) | US | TX | SAN ANTONIO | 202.94 | 1.07 | 4.25 | 17.48 | 0.500 | 1430.53G | 45.38 | 1385.15 |
| WOAI.L (110) | US | TX | SAN ANTONIO | 202.87 | 0.97 | 4.11 | 17.16 | 0.500 | 1457.16G | 45.32 | 1411.84 |
| WOAI.L (115) | US | TX | SAN ANTONIO | 202.68 | 0.87 | 3.97 | 16.83 | 0.500 | 1485.07G | 45.13 | 1439.95 |
| WOAI.L (120) | US | TX | SAN ANTONIO | 202.83 | 0.77 | 3.84 | 16.53 | 0.616 | 1863.49g | 45.27 | 1818.21 |
| WOAI.L (125) | US | TX | SAN ANTONIO | 203.31 | 0.68 | 3.73 | 16.27 | 0.612 | 1881.38g | 45.77 | 1835.61 |
| WOAI.L (130) | US | TX | SAN ANTONIO | 203.74 | 0.61 | 3.63 | 16.03 | 0.673 | 2099.21g | 46.21 | 2053.00 |
| WOAI.L (135) | US | TX | SAN ANTONIO | 204.14 | 0.54 | 3.53 | 15.81 | 0.766 | 2421.59g | 46.63 | 2374.97 |
| WOAI.L (140) | US | TX | SAN ANTONIO | 204.43 | 0.46 | 3.43 | 15.59 | 0.718 | 2302.28g | 46.92 | 2255.36 |
| WOAI.L (145) | US | TX | SAN ANTONIO | 204.68 | 0.38 | 3.32 | 15.35 | 0.751 | 2445.46g | 47.17 | 2398.29 |
| WOAI.L (150) | US | TX | SAN ANTONIO | 204.94 | 0.30 | 3.22 | 15.12 | 0.645 | 2132.95g | 47.43 | 2085.52 |
| WOAI.L (155) | US | TX | SAN ANTONIO | 205.06 | 0.20 | 3.08 | 14.83 | 0.580 | 1957.25g | 47.55 | 1909.70 |
| WOAI.L (160) | US | TX | SAN ANTONIO | 205.57 | 0.15 | 3.01 | 14.67 | 0.500 | 1704.00G | 48.06 | 1655.95 |
| WOAI.L (165) | US | TX | SAN ANTONIO | 206.18 | 0.12 | 2.97 | 14.59 | 0.500 | 1713.72G | 48.67 | 1665.05 |
| WOAI.L (170) | US | TX | SAN ANTONIO | 206.73 | 0.09 | 2.93 | 14.49 | 0.500 | 1725.00G | 49.21 | 1675.79 |
| WOAI.L (175) | US | TX | SAN ANTONIO | 207.30 | 0.07 | 2.91 | 14.42 | 0.500 | 1733.13G | 49.76 | 1683.37 |
| WOAI.L (180) | US | TX | SAN ANTONIO | 207.87 | 0.06 | 2.89 | 14.39 | 0.500 | 1737.74G | 50.31 | 1687.43 |
| WOAI.L (185) | US | TX | SAN ANTONIO | 208.39 | 0.04 | 2.87 | 14.32 | 0.500 | 1745.87G | 50.81 | 1695.07 |
| WOAI.L (190) | US | TX | SAN ANTONIO | 208.90 | 0.02 | 2.84 | 14.25 | 0.500 | 1754.36G | 51.29 | 1703.08 |
| WOAI.L (195) | US | TX | SAN ANTONIO | 209.42 | 0.00 | 2.82 | 14.20 | 0.500 | 1760.97G | 51.77 | 1709.19 |
| WOAI.L (200) | US | TX | SAN ANTONIO | 209.94 | 0.00 | 2.81 | 14.16 | 0.500 | 1765.63G | 52.26 | 1713.38 |
| WOAI.L (205) | US | TX | SAN ANTONIO | 210.47 | 0.00 | 2.80 | 14.14 | 0.500 | 1768.33G | 52.74 | 1715.59 |
| WOAI.L (210) | US | TX | SAN ANTONIO | 211.00 | 0.00 | 2.81 | 14.13 | 0.500 | 1769.02G | 53.21 | 1715.81 |
| WOAI.L (215) | US | TX | SAN ANTONIO | 211.52 | 0.00 | 2.82 | 14.14 | 0.500 | 1767.72G | 53.68 | 1714.04 |
| WOAI.L (220) | US | TX | SAN ANTONIO | 212.04 | 0.02 | 2.84 | 14.17 | 0.500 | 1764.41G | 54.14 | 1710.27 |
| WOAI.L (225) | US | TX | SAN ANTONIO | 212.55 | 0.04 | 2.87 | 14.21 | 0.500 | 1758.87G | 54.58 | 1704.30 |
| WOAI.L (230) | US | TX | SAN ANTONIO | 213.02 | 0.08 | 2.92 | 14.30 | 0.500 | 1748.23G | 54.98 | 1693.25 |
| WOAI.L (235) | US | TX | SAN ANTONIO | 213.48 | 0.12 | 2.97 | 14.39 | 0.500 | 1736.85G | 55.37 | 1681.48 |
| WOAI.L (240) | US | TX | SAN ANTONIO | 213.92 | 0.16 | 3.03 | 14.50 | 0.500 | 1724.52G | 55.73 | 1668.79 |
| WOAI.L (245) | US | TX | SAN ANTONIO | 214.34 | 0.21 | 3.09 | 14.61 | 0.500 | 1710.95G | 56.08 | 1654.87 |
| WOAI.L (250) | US | TX | SAN ANTONIO | 214.74 | 0.26 | 3.16 | 14.74 | 0.500 | 1696.11G | 56.40 | 1639.70 |
| WOAI.L (255) | US | TX | SAN ANTONIO | 215.12 | 0.31 | 3.23 | 14.88 | 0.500 | 1679.93G | 56.71 | 1623.23 |
| WOAI.L (260) | US | TX | SAN ANTONIO | 215.46 | 0.37 | 3.31 | 15.04 | 0.500 | 1662.10G | 56.97 | 1605.13 |
| WOAI.L (265) | US | TX | SAN ANTONIO | 215.71 | 0.44 | 3.40 | 15.23 | 0.500 | 1641.23G | 57.17 | 1584.05 |
| WOAI.L (270) | US | TX | SAN ANTONIO | 215.46 | 0.56 | 3.55 | 15.57 | 0.500 | 1605.90G | 56.97 | 1548.92 |

# Exhibit 16.1
## Tabulation of Proposed Nighttime Allocation

| Call Letters | Ct | St | City | Azi (deg) | Ang Low (deg) | Ang High (deg) | SWFF (100uV/m) | Req Prot (mV/m) | Permis (mV/m) | Cur Rad (mV/m) | Margin (mV/m) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WOAI.L (275) | US | TX | SAN ANTONIO | 215.48 | 0.63 | 3.66 | 15.80 | 0.500 | 1582.75G | 56.99 | 1525.76 |
| WOAI.L (280) | US | TX | SAN ANTONIO | 215.55 | 0.70 | 3.75 | 16.00 | 0.500 | 1562.26G | 57.04 | 1505.22 |
| WOAI.L (285) | US | TX | SAN ANTONIO | 215.62 | 0.77 | 3.84 | 16.21 | 0.500 | 1542.68G | 57.09 | 1485.59 |
| WOAI.L (290) | US | TX | SAN ANTONIO | 215.67 | 0.84 | 3.94 | 16.41 | 0.500 | 1523.43G | 57.13 | 1466.30 |
| WOAI.L (295) | US | TX | SAN ANTONIO | 215.71 | 0.91 | 4.03 | 16.62 | 0.500 | 1504.40G | 57.16 | 1447.24 |
| WOAI.L (300) | US | TX | SAN ANTONIO | 215.72 | 0.97 | 4.12 | 16.83 | 0.500 | 1485.36G | 57.17 | 1428.20 |
| WOAI.L (305) | US | TX | SAN ANTONIO | 215.69 | 1.04 | 4.21 | 17.05 | 0.500 | 1466.41G | 57.14 | 1409.27 |
| WOAI.L (310) | US | TX | SAN ANTONIO | 215.62 | 1.11 | 4.30 | 17.27 | 0.500 | 1447.65G | 57.09 | 1390.56 |
| WOAI.L (315) | US | TX | SAN ANTONIO | 215.52 | 1.18 | 4.40 | 17.49 | 0.500 | 1429.20G | 57.00 | 1372.20 |
| WOAI.L (320) | US | TX | SAN ANTONIO | 215.37 | 1.24 | 4.49 | 17.72 | 0.500 | 1411.20G | 56.89 | 1354.31 |
| WOAI.L (325) | US | TX | SAN ANTONIO | 215.19 | 1.31 | 4.57 | 17.94 | 0.500 | 1393.77G | 56.74 | 1337.03 |
| WOAI.L (330) | US | TX | SAN ANTONIO | 214.97 | 1.37 | 4.66 | 18.15 | 0.500 | 1377.04G | 56.56 | 1320.48 |
| WOAI.L (335) | US | TX | SAN ANTONIO | 214.71 | 1.43 | 4.74 | 18.37 | 0.500 | 1361.14G | 56.35 | 1304.79 |
| WOAI.L (340) | US | TX | SAN ANTONIO | 214.41 | 1.49 | 4.82 | 18.57 | 0.500 | 1346.18G | 56.11 | 1290.06 |
| WOAI.L (345) | US | TX | SAN ANTONIO | 214.08 | 1.54 | 4.89 | 18.77 | 0.500 | 1332.27G | 55.84 | 1276.42 |
| WOAI.L (350) | US | TX | SAN ANTONIO | 213.72 | 1.59 | 4.96 | 18.95 | 0.500 | 1319.41G | 55.54 | 1263.87 |
| WOAI.L (355) | US | TX | SAN ANTONIO | 213.34 | 1.63 | 5.02 | 19.12 | 0.500 | 1307.60G | 55.22 | 1252.38 |
| NEW.C | US | MN | BAXTER | 312.18 | 13.99 | 23.05 | 89.70 | 2.093 | 1166.62 | 37.56 | 1129.06 |
| 50% = 8.372, 25% = 8.372; WHAM.L=8.37 | | | | | | | | | | | |
| KYDZ.L | US | NE | BELLEVUE | 251.01 | 12.62 | 21.07 | 86.18 | 2.071 | 1201.81 | 62.59 | 1139.22 |
| 50% = 8.285, 25% = 8.285; WHAM.L=8.29 | | | | | | | | | | | |
| NEW.A | US | WI | RHINELANDER | 356.35 | 26.87 | 40.21 | 205.81 | 5.437 | 1320.97 | 48.31 | 1272.66 |
| 50% = 19.615, 25% = 21.749; WRTO.L=19.61 WOAI.L=7.12 WCHB.L=6.13 | | | | | | | | | | | |
| KXMX.L | US | CA | ANAHEIM | 257.16 | 0.00 | 0.00 | 6.33 | 1.979 | 1564.40 | 61.96 | 1502.43 |
| 50% = 7.916, 25% = 7.916; KEX.L=5.47 KERI.L=4.24 XEWK/A=3.84 | | | | | | | | | | | |
| WCHB.L | US | MI | TAYLOR | 101.05 | 15.14 | 24.71 | 105.59 | 3.482 | 1648.68 | 16.02 | 1632.67 |
| 50% = 12.128, 25% = 13.926; WKST.L=9.42 WOAI.L=7.64 CKOT/A=5.85 WOWO.L=3.55 | | | | | | | | | | | |
| NEW.A | US | NV | NELLIS AFB | 258.87 | 0.00 | 0.43 | 7.76 | 2.843 | 1831.40 | 61.11 | 1770.29 |
| 50% = 10.751, 25% = 11.371; KXMX.L=10.75 XEWK/A=3.70 | | | | | | | | | | | |
| NEW.A | US | NV | PARADISE | 259.10 | 0.00 | 0.47 | 7.80 | 2.900 | 1859.04 | 60.99 | 1798.04 |
| 50% = 11.003, 25% = 11.599; KXMX.L=11.00 XEWK/A=3.67 | | | | | | | | | | | |
| NEW.A | US | NV | WINCHESTER | 259.70 | 0.00 | 0.61 | 7.93 | 2.954 | 1863.24 | 60.68 | 1802.56 |
| 50% = 11.256, 25% = 11.816; KXMX.L=11.26 XEWK/A=3.60 | | | | | | | | | | | |
| KFNW.L | US | ND | WEST FARGO | 306.55 | 9.58 | 16.58 | 53.79 | 2.041 | 1897.55 | 37.84 | 1859.70 |
| 50% = 7.235, 25% = 8.165; WOAI.L=7.23 NEW/A=2.91 WRTO.C=2.42 | | | | | | | | | | | |
| KFNW.C | US | ND | WEST FARGO | 306.55 | 9.58 | 16.58 | 53.78 | 2.041 | 1897.67 | 37.84 | 1859.82 |
| 50% = 7.235, 25% = 8.165; WOAI.L=7.23 NEW/A=2.91 WRTO.C=2.42 | | | | | | | | | | | |
| WKST.L | US | PA | NEW CASTLE | 105.73 | 8.87 | 15.53 | 54.31 | 2.789 | 2568.06 | 12.29 | 2555.76 |
| 50% = 11.157, 25% = 11.157; WOAI.L=6.95 WAGE.L=6.77 WPHT.L=5.51 | | | | | | | | | | | |
| XEMBC/O | MX | BN | MEXICALI | 251.72 | 0.00 | 0.00 | 5.25 | 2.794 | 2659.26 | 64.28 | 2594.99 |
| 50% = 5.587, 25% = 6.029; XEWK/A=3.37 KNUV.L=3.19 KEX.L=3.12 KXMX.L=2.26 | | | | | | | | | | | |
| XEMBC1/O | MX | BN | MEXICALI | 251.72 | 0.00 | 0.00 | 5.25 | 2.794 | 2659.26 | 64.28 | 2594.99 |
| 50% = 5.587, 25% = 6.029; XEWK/A=3.37 KNUV.L=3.19 KEX.L=3.12 KXMX.L=2.26 | | | | | | | | | | | |
| XENVA2/O | MX | CI | PIEDRAS NEGRAS | 215.85 | 1.49 | 1.49 | 12.28 | 7.850 | 3196.22 | 57.26 | 3138.96 |
| 50% = 15.7, 25% = 16.803; XEWK/A=15.70 KFXR.L=5.99 | | | | | | | | | | | |
| WBMJ.L | US | PR | SAN JUAN | 134.62 | 0.00 | 0.00 | 4.71 | 3.573 | 3792.52 | 12.78 | 3779.75 |
| 50% = 12.562, 25% = 14.292; YVRE-A=9.69 YVZD-A=8.00 HIAG-C=4.21 HJCV-A=3.90 HJOH-A=3.68 | | | | | | | | | | | |

# Exhibit 16.2
# Tabulation of Proposed Nighttime RSS Limitation

Station Information:

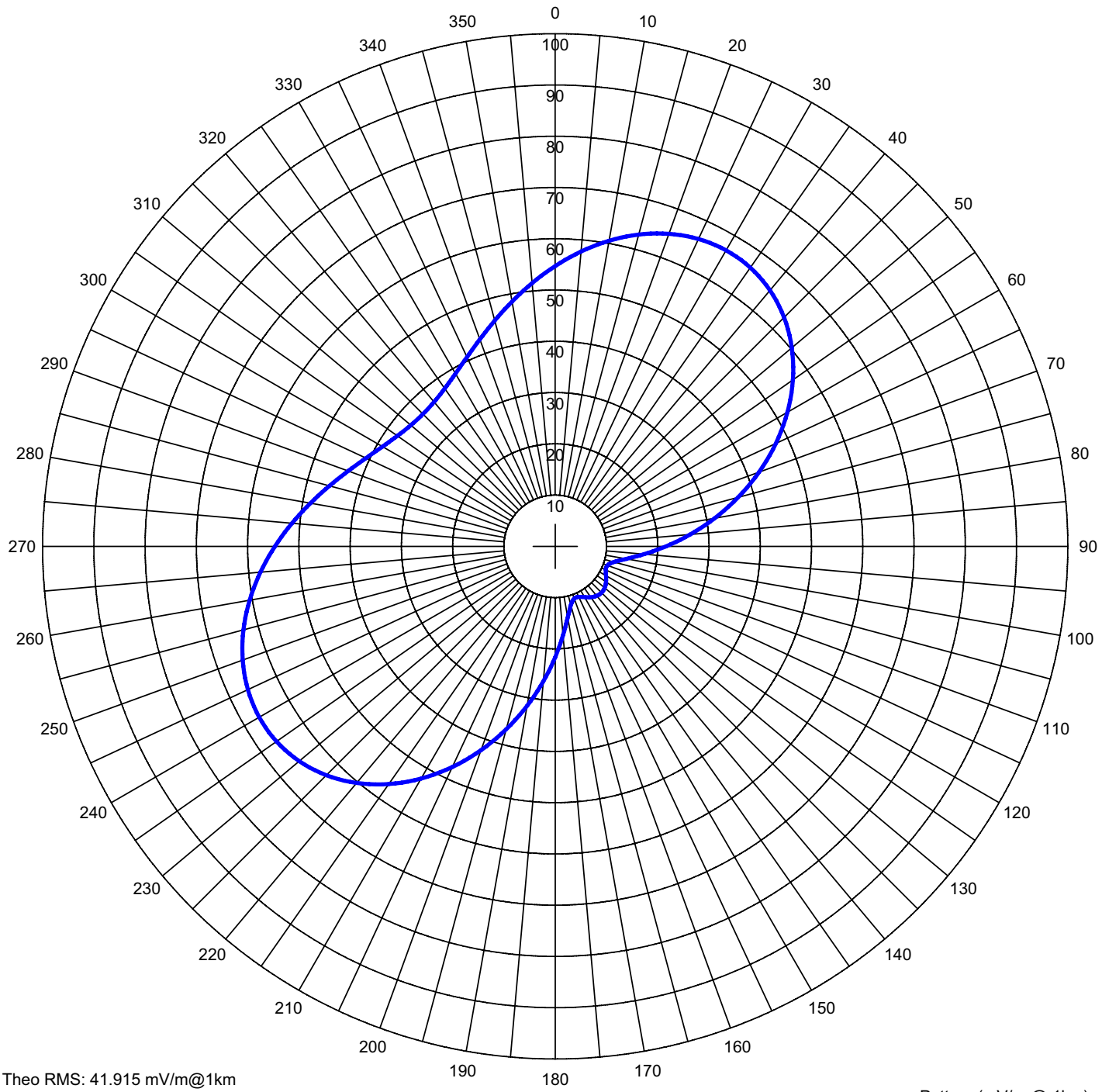
Call: WNWC.p
Freq: 1190 kHz
SUN PRAIRIE, WI, US
Lat: 43-09-36 N
Lng: 089-12-55 W
Power: 0.021 kW
Theo RMS: 41.91 mV/m @ 1km

Standard: FCC Rules (1992 Skywave Propagation Model) [ 10% ]

Contributors:

| Call | Freq (kHz) | City | St | Ct | Dist (km) | Azi (deg) | Theta Min (deg) | Theta Max (deg) | Max V-Rad (mV/m) | SW Mult (uV/m) | Limit (mV/m) | (%) | RSS Limit (mV/m) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WOWO.L | 1190 | FORT WAYNE | IN | US | 399.3 | 308.3 | 18.9 | 30.0 | 341.84 | 142.94 | 9.772 | 100.0 | 9.772 | 50% |
| WRTO.L | 1200 | CHICAGO | IL | US | 209.4 | 321.2 | 34.0 | 48.3 | 566.85 | 274.61 | 3.113 | 31.9 | 10.256 | 25% |
| WHAM.L | 1180 | ROCHESTER | NY | US | 931.8 | 274.5 | 6.7 | 12.3 | 2594.92 | 36.65 | 1.902 | 18.5 | 10.431 | |
| XEWK/A | 1190 | GUADALAJARA | JA | MX | 2822.0 | 24.5 | 0.0 | 0.0 | 1145.06 | 7.53 | 1.724 | 16.5 | 10.573 | |
| WLIB.L | 1190 | NEW YORK | NY | US | 1274.6 | 286.9 | 3.6 | 7.7 | 361.10 | 21.48 | 1.552 | 14.7 | 10.686 | |
| WOAI.L | 1200 | SAN ANTONIO | TX | US | 1713.1 | 25.2 | 0.9 | 4.1 | 2831.93 | 16.89 | 0.957 | 9.0 | 10.729 | |
| YVZD-A | 1190 | SAN CRISTOBA | | VE | 4266.4 | 340.0 | 0.0 | 0.0 | 978.60 | 4.03 | 0.788 | 7.3 | 10.758 | |
| YVRE-A | 1190 | BARINAS 1 | | VE | 4261.2 | 337.6 | 0.0 | 0.0 | 978.60 | 3.94 | 0.770 | 7.2 | 10.785 | |
| HJOH-A | 1190 | TUMACO | | CO | 4714.9 | 348.7 | 0.0 | 0.0 | 978.60 | 3.80 | 0.744 | 6.9 | 10.811 | |
| NEW | 1200 | DECORAH | IA | US | 206.3 | 93.2 | 34.4 | 48.7 | 119.40 | 274.77 | 0.656 | 6.1 | 10.831 | |
| KNUV.L | 1190 | TOLLESON | AZ | US | 2272.0 | 54.9 | 0.0 | 0.9 | 308.89 | 9.04 | 0.559 | 5.2 | 10.845 | |
| HJCV-A | 1190 | BOGOTA 14 | | CO | 4534.7 | 343.1 | 0.0 | 0.0 | 692.00 | 3.84 | 0.531 | 4.9 | 10.858 | |
| KXMX.L | 1190 | ANAHEIM | CA | US | 2676.5 | 59.0 | 0.0 | 0.0 | 405.37 | 6.33 | 0.513 | 4.7 | 10.870 | |
| WBIS.C | 1190 | GARRISON | MD | US | 1118.5 | 295.9 | 4.8 | 9.5 | 87.53 | 28.88 | 0.506 | 4.7 | 10.882 | |
| WAMT.C | 1190 | PINE CASTLE-SKY L | FL | US | 1777.9 | 338.8 | 0.6 | 3.6 | 161.47 | 15.63 | 0.505 | 4.6 | 10.894 | |
| KFXR.L | 1190 | DALLAS | TX | US | 1302.1 | 26.8 | 3.4 | 7.5 | 92.16 | 26.21 | 0.483 | 4.4 | 10.904 | |
| HRPO-A | 1190 | S FRANC DE L | 1 | HO | 3163.5 | 355.4 | 0.0 | 0.0 | 308.00 | 6.43 | 0.396 | 3.6 | 10.912 | |
| OAX7S-A | 1190 | TAHUANTINSUY | | PE | 6537.9 | 345.4 | 0.0 | 0.0 | 750.29 | 2.52 | 0.378 | 3.5 | 10.918 | |
| KPHN.C | 1190 | KANSAS CITY | MO | US | 635.5 | 42.5 | 11.3 | 19.2 | 20.46 | 77.67 | 0.318 | 2.9 | 10.923 | |
| KEX.L | 1190 | PORTLAND | OR | US | 2646.9 | 83.4 | 0.0 | 0.0 | 389.20 | 4.02 | 0.313 | 2.9 | 10.927 | |
| XE/A | 1190 | CD.SAUCILLO | CH | MX | 2211.2 | 36.3 | 0.0 | 1.2 | 134.29 | 10.73 | 0.288 | 2.6 | 10.931 | |
| XEXQ/ | 1190 | SAN LUIS POTOSI | SL | MX | 2573.4 | 22.2 | 0.0 | 0.0 | 156.91 | 8.80 | 0.276 | 2.5 | 10.934 | |
| HJOB-A | 1190 | SAHAGUN | | CO | 4034.3 | 342.9 | 0.0 | 0.0 | 307.70 | 4.43 | 0.273 | 2.5 | 10.938 | |
| LRA15-A | 1190 | TUCUMAN | | AR | 8159.5 | 342.0 | 0.0 | 0.0 | 692.00 | 1.88 | 0.260 | 2.4 | 10.941 | |
| HJEO-A | 1190 | CARTAGO | | CO | 4468.8 | 344.9 | 0.0 | 0.0 | 307.70 | 3.96 | 0.244 | 2.2 | 10.944 | |
| XEPP/A | 1190 | ORIZABA | VC | MX | 2802.3 | 13.6 | 0.0 | 0.0 | 152.74 | 7.80 | 0.238 | 2.2 | 10.946 | |
| XEDO1/A | 1190 | JOJUTLA | ML | MX | 2877.8 | 16.9 | 0.0 | 0.0 | 153.38 | 7.43 | 0.228 | 2.1 | 10.949 | |
| LR9-A | 1190 | R ANTARTIDA | | AR | 9194.6 | 337.9 | 0.0 | 0.0 | 692.00 | 1.58 | 0.218 | 2.0 | 10.951 | |
| HCBE2-A | 1190 | GUAYAQUIL 2 | | EC | 5128.6 | 350.6 | 0.0 | 0.0 | 307.70 | 3.47 | 0.214 | 2.0 | 10.953 | |
| WKST.L | 1200 | NEW CASTLE | PA | US | 768.5 | 291.6 | 8.9 | 15.5 | 189.43 | 54.31 | 0.206 | 1.9 | 10.955 | |
| CFSL/A | 1190 | WEYBURN | SK | CA | 1320.7 | 116.5 | 3.2 | 7.3 | 63.40 | 15.86 | 0.201 | 1.8 | 10.957 | |
| OAX1E-A | 1190 | CHICLAYO | | PE | 5629.3 | 351.2 | 0.0 | 0.0 | 307.70 | 3.11 | 0.191 | 1.7 | 10.958 | |
| HIAG-C | 1190 | SANTIAGO 4 | | DR | 3153.0 | 330.8 | 0.0 | 0.0 | 154.70 | 5.82 | 0.180 | 1.6 | 10.960 | |
| 4VAF-A | 1190 | JEREMIE | | HA | 3073.4 | 335.8 | 0.0 | 0.0 | 138.40 | 6.28 | 0.174 | 1.6 | 10.961 | |
| XEOB/A | 1190 | PICHUCALCO | CS | MX | 2871.4 | 6.4 | 0.0 | 0.0 | 96.69 | 7.54 | 0.146 | 1.3 | 10.962 | |
| WBMJ.L | 1190 | SAN JUAN | PR | US | 3507.7 | 326.8 | 0.0 | 0.0 | 148.02 | 4.71 | 0.139 | 1.3 | 10.963 | |
| KFNW.C | 1200 | WEST FARGO | ND | US | 725.8 | 121.1 | 9.6 | 16.6 | 123.03 | 53.78 | 0.132 | 1.2 | 10.964 | |
| HJGK-A | 1180 | BUCARAMANGA | | CO | 4308.6 | 341.1 | 0.0 | 0.0 | 1383.99 | 4.02 | 0.111 | 1.0 | 10.964 | |
| XESOL/A | 1190 | CD.HIDALGO | MC | MX | 2816.2 | 19.6 | 0.0 | 0.0 | 71.87 | 7.65 | 0.110 | 1.0 | 10.965 | |
| HCRF6-A | 1190 | PUJILI | | EC | 5021.6 | 348.9 | 0.0 | 0.0 | 154.70 | 3.53 | 0.109 | 1.0 | 10.966 | |

# Exhibit 16.3 - Polar Plot of Nighttime Standard Pattern




Theo RMS: 41.915 mV/m@1km
Std RMS: 45.245 mV/m@1km

Q: 10.0 mV/m@1km

Horizontal Plane Standard Pattern

Pattern (mV/m @ 1km)

Pattern X10

| # | Field Ratio | Phase (deg) | Spacing (deg) | Orient (deg) | Height (deg) | Ref Swtch | TL Swtch | A (deg) | B (deg) | C (deg) | D (deg) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.000 | 0.0 | 0.0 | 0.0 | 84.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | 0.930 | -38.0 | 154.0 | 315.0 | 84.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 |

Call: WNWC.p
Freq: 1190 kHz
SUN PRAIRIE, WI, US
Lat: 43-09-36 N
Lng: 089-12-55 W
Power: 0.021 kW
Theo RMS: 41.91 mV/m @ 1km


***Munn-Reese, Inc.***
Broadcast Engineering Consultants
Coldwater, MI 49036

# Exhibit 16.4
## Tabulation of Nighttime Directional Standard Pattern, 0° - 60°

AM Radiation Report

Call: WNWC.p
Freq: 1190 kHz
SUN PRAIRIE, WI, US
Lat: 43-09-36 N
Lng: 089-12-55 W
Power: 0.021 kW
Theo RMS: 41.91 mV/m @ 1km

| # | Field Ratio | Phase (deg) | Spacing (deg) | Orient (deg) | Height (deg) | Ref Swtch | TL Swtch | A (deg) | B (deg) | C (deg) | D (deg) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.000 | 0.0 | 0.0 | 0.0 | 84.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | 0.930 | -38.0 | 154.0 | 315.0 | 84.9 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 |

---

Standard Horizontal Plane Pattern

| Azimuth (Deg) | Field (mV/m @1km) | Azimuth (Deg) | Field (mV/m @1km) | Azimuth (Deg) | Field (mV/m @1km) |
|---|---|---|---|---|---|
| 0.0 | 54.68 | 120.0 | 11.44 | 240.0 | 66.67 |
| 5.0 | 57.71 | 125.0 | 12.11 | 245.0 | 66.15 |
| 10.0 | 60.52 | 130.0 | 12.60 | 250.0 | 64.87 |
| 15.0 | 62.96 | 135.0 | 12.78 | 255.0 | 62.96 |
| 20.0 | 64.87 | 140.0 | 12.60 | 260.0 | 60.52 |
| 25.0 | 66.15 | 145.0 | 12.11 | 265.0 | 57.71 |
| 30.0 | 66.67 | 150.0 | 11.44 | 270.0 | 54.68 |
| 35.0 | 66.36 | 155.0 | 10.88 | 275.0 | 51.56 |
| 40.0 | 65.19 | 160.0 | 10.86 | 280.0 | 48.49 |
| 45.0 | 63.14 | 165.0 | 11.85 | 285.0 | 45.59 |
| 50.0 | 60.26 | 170.0 | 14.08 | 290.0 | 42.97 |
| 55.0 | 56.61 | 175.0 | 17.42 | 295.0 | 40.72 |
| 60.0 | 52.31 | 180.0 | 21.62 | 300.0 | 38.91 |
| 65.0 | 47.49 | 185.0 | 26.42 | 305.0 | 37.58 |
| 70.0 | 42.32 | 190.0 | 31.60 | 310.0 | 36.77 |
| 75.0 | 36.96 | 195.0 | 36.96 | 315.0 | 36.49 |
| 80.0 | 31.60 | 200.0 | 42.32 | 320.0 | 36.77 |
| 85.0 | 26.42 | 205.0 | 47.49 | 325.0 | 37.58 |
| 90.0 | 21.62 | 210.0 | 52.31 | 330.0 | 38.91 |
| 95.0 | 17.42 | 215.0 | 56.61 | 335.0 | 40.72 |
| 100.0 | 14.08 | 220.0 | 60.26 | 340.0 | 42.97 |
| 105.0 | 11.85 | 225.0 | 63.14 | 345.0 | 45.59 |
| 110.0 | 10.86 | 230.0 | 65.19 | 350.0 | 48.49 |
| 115.0 | 10.88 | 235.0 | 66.36 | 355.0 | 51.56 |

# Exhibit 16.4
## Tabulation of Nighttime Directional Standard Pattern, 0° - 60°

Standard Pattern
Calculated at 5.0 Degrees Elevation

| Azimuth (Deg) | Field (mV/m @1km) | Azimuth (Deg) | Field (mV/m @1km) | Azimuth (Deg) | Field (mV/m @1km) |
|---|---|---|---|---|---|
| 0.0 | 54.52 | 120.0 | 11.28 | 240.0 | 66.31 |
| 5.0 | 57.51 | 125.0 | 11.90 | 245.0 | 65.81 |
| 10.0 | 60.28 | 130.0 | 12.36 | 250.0 | 64.56 |
| 15.0 | 62.67 | 135.0 | 12.53 | 255.0 | 62.67 |
| 20.0 | 64.56 | 140.0 | 12.36 | 260.0 | 60.28 |
| 25.0 | 65.81 | 145.0 | 11.90 | 265.0 | 57.51 |
| 30.0 | 66.31 | 150.0 | 11.28 | 270.0 | 54.52 |
| 35.0 | 66.00 | 155.0 | 10.78 | 275.0 | 51.44 |
| 40.0 | 64.84 | 160.0 | 10.84 | 280.0 | 48.41 |
| 45.0 | 62.80 | 165.0 | 11.91 | 285.0 | 45.55 |
| 50.0 | 59.95 | 170.0 | 14.18 | 290.0 | 42.97 |
| 55.0 | 56.34 | 175.0 | 17.53 | 295.0 | 40.75 |
| 60.0 | 52.08 | 180.0 | 21.70 | 300.0 | 38.95 |
| 65.0 | 47.32 | 185.0 | 26.46 | 305.0 | 37.64 |
| 70.0 | 42.20 | 190.0 | 31.59 | 310.0 | 36.84 |
| 75.0 | 36.90 | 195.0 | 36.90 | 315.0 | 36.57 |
| 80.0 | 31.59 | 200.0 | 42.20 | 320.0 | 36.84 |
| 85.0 | 26.46 | 205.0 | 47.32 | 325.0 | 37.64 |
| 90.0 | 21.70 | 210.0 | 52.08 | 330.0 | 38.95 |
| 95.0 | 17.53 | 215.0 | 56.34 | 335.0 | 40.75 |
| 100.0 | 14.18 | 220.0 | 59.95 | 340.0 | 42.97 |
| 105.0 | 11.91 | 225.0 | 62.80 | 345.0 | 45.55 |
| 110.0 | 10.84 | 230.0 | 64.84 | 350.0 | 48.41 |
| 115.0 | 10.78 | 235.0 | 66.00 | 355.0 | 51.44 |

Standard Pattern
Calculated at 10.0 Degrees Elevation

| Azimuth (Deg) | Field (mV/m @1km) | Azimuth (Deg) | Field (mV/m @1km) | Azimuth (Deg) | Field (mV/m @1km) |
|---|---|---|---|---|---|
| 0.0 | 54.04 | 120.0 | 10.84 | 240.0 | 65.26 |
| 5.0 | 56.90 | 125.0 | 11.32 | 245.0 | 64.80 |
| 10.0 | 59.55 | 130.0 | 11.71 | 250.0 | 63.62 |
| 15.0 | 61.83 | 135.0 | 11.85 | 255.0 | 61.83 |
| 20.0 | 63.62 | 140.0 | 11.71 | 260.0 | 59.55 |
| 25.0 | 64.80 | 145.0 | 11.32 | 265.0 | 56.90 |
| 30.0 | 65.26 | 150.0 | 10.84 | 270.0 | 54.04 |
| 35.0 | 64.93 | 155.0 | 10.54 | 275.0 | 51.09 |
| 40.0 | 63.78 | 160.0 | 10.84 | 280.0 | 48.18 |
| 45.0 | 61.80 | 165.0 | 12.12 | 285.0 | 45.43 |
| 50.0 | 59.03 | 170.0 | 14.49 | 290.0 | 42.95 |
| 55.0 | 55.53 | 175.0 | 17.84 | 295.0 | 40.81 |
| 60.0 | 51.41 | 180.0 | 21.94 | 300.0 | 39.08 |
| 65.0 | 46.79 | 185.0 | 26.57 | 305.0 | 37.81 |
| 70.0 | 41.84 | 190.0 | 31.56 | 310.0 | 37.04 |
| 75.0 | 36.70 | 195.0 | 36.70 | 315.0 | 36.78 |
| 80.0 | 31.56 | 200.0 | 41.84 | 320.0 | 37.04 |
| 85.0 | 26.57 | 205.0 | 46.79 | 325.0 | 37.81 |
| 90.0 | 21.94 | 210.0 | 51.41 | 330.0 | 39.08 |
| 95.0 | 17.84 | 215.0 | 55.53 | 335.0 | 40.81 |
| 100.0 | 14.49 | 220.0 | 59.03 | 340.0 | 42.95 |
| 105.0 | 12.12 | 225.0 | 61.80 | 345.0 | 45.43 |
| 110.0 | 10.84 | 230.0 | 63.78 | 350.0 | 48.18 |
| 115.0 | 10.54 | 235.0 | 64.93 | 355.0 | 51.09 |

# Exhibit 16.4
## Tabulation of Nighttime Directional Standard Pattern, 0° - 60°

Standard Pattern
Calculated at 15.0 Degrees Elevation

| Azimuth (Deg) | Field (mV/m @1km) | Azimuth (Deg) | Field (mV/m @1km) | Azimuth (Deg) | Field (mV/m @1km) |
|---|---|---|---|---|---|
| 0.0 | 53.22 | 120.0 | 10.30 | 240.0 | 63.53 |
| 5.0 | 55.88 | 125.0 | 10.55 | 245.0 | 63.14 |
| 10.0 | 58.33 | 130.0 | 10.80 | 250.0 | 62.08 |
| 15.0 | 60.44 | 135.0 | 10.90 | 255.0 | 60.44 |
| 20.0 | 62.08 | 140.0 | 10.80 | 260.0 | 58.33 |
| 25.0 | 63.14 | 145.0 | 10.55 | 265.0 | 55.88 |
| 30.0 | 63.53 | 150.0 | 10.30 | 270.0 | 53.22 |
| 35.0 | 63.18 | 155.0 | 10.33 | 275.0 | 50.47 |
| 40.0 | 62.06 | 160.0 | 10.99 | 280.0 | 47.76 |
| 45.0 | 60.16 | 165.0 | 12.53 | 285.0 | 45.19 |
| 50.0 | 57.52 | 170.0 | 15.02 | 290.0 | 42.86 |
| 55.0 | 54.20 | 175.0 | 18.33 | 295.0 | 40.86 |
| 60.0 | 50.29 | 180.0 | 22.30 | 300.0 | 39.23 |
| 65.0 | 45.92 | 185.0 | 26.74 | 305.0 | 38.04 |
| 70.0 | 41.23 | 190.0 | 31.48 | 310.0 | 37.31 |
| 75.0 | 36.36 | 195.0 | 36.36 | 315.0 | 37.07 |
| 80.0 | 31.48 | 200.0 | 41.23 | 320.0 | 37.31 |
| 85.0 | 26.74 | 205.0 | 45.92 | 325.0 | 38.04 |
| 90.0 | 22.30 | 210.0 | 50.29 | 330.0 | 39.23 |
| 95.0 | 18.33 | 215.0 | 54.20 | 335.0 | 40.86 |
| 100.0 | 15.02 | 220.0 | 57.52 | 340.0 | 42.86 |
| 105.0 | 12.53 | 225.0 | 60.16 | 345.0 | 45.19 |
| 110.0 | 10.99 | 230.0 | 62.06 | 350.0 | 47.76 |
| 115.0 | 10.33 | 235.0 | 63.18 | 355.0 | 50.47 |

Standard Pattern
Calculated at 20.0 Degrees Elevation

| Azimuth (Deg) | Field (mV/m @1km) | Azimuth (Deg) | Field (mV/m @1km) | Azimuth (Deg) | Field (mV/m @1km) |
|---|---|---|---|---|---|
| 0.0 | 52.05 | 120.0 | 9.95 | 240.0 | 61.17 |
| 5.0 | 54.44 | 125.0 | 9.88 | 245.0 | 60.87 |
| 10.0 | 56.64 | 130.0 | 9.94 | 250.0 | 59.96 |
| 15.0 | 58.51 | 135.0 | 9.98 | 255.0 | 58.51 |
| 20.0 | 59.96 | 140.0 | 9.94 | 260.0 | 56.64 |
| 25.0 | 60.87 | 145.0 | 9.88 | 265.0 | 54.44 |
| 30.0 | 61.17 | 150.0 | 9.95 | 270.0 | 52.05 |
| 35.0 | 60.79 | 155.0 | 10.37 | 275.0 | 49.56 |
| 40.0 | 59.71 | 160.0 | 11.41 | 280.0 | 47.11 |
| 45.0 | 57.92 | 165.0 | 13.20 | 285.0 | 44.77 |
| 50.0 | 55.46 | 170.0 | 15.75 | 290.0 | 42.65 |
| 55.0 | 52.37 | 175.0 | 18.98 | 295.0 | 40.82 |
| 60.0 | 48.76 | 180.0 | 22.74 | 300.0 | 39.34 |
| 65.0 | 44.71 | 185.0 | 26.90 | 305.0 | 38.25 |
| 70.0 | 40.37 | 190.0 | 31.32 | 310.0 | 37.58 |
| 75.0 | 35.86 | 195.0 | 35.86 | 315.0 | 37.36 |
| 80.0 | 31.32 | 200.0 | 40.37 | 320.0 | 37.58 |
| 85.0 | 26.90 | 205.0 | 44.71 | 325.0 | 38.25 |
| 90.0 | 22.74 | 210.0 | 48.76 | 330.0 | 39.34 |
| 95.0 | 18.98 | 215.0 | 52.37 | 335.0 | 40.82 |
| 100.0 | 15.75 | 220.0 | 55.46 | 340.0 | 42.65 |
| 105.0 | 13.20 | 225.0 | 57.92 | 345.0 | 44.77 |
| 110.0 | 11.41 | 230.0 | 59.71 | 350.0 | 47.11 |
| 115.0 | 10.37 | 235.0 | 60.79 | 355.0 | 49.56 |

# Exhibit 16.4
## Tabulation of Nighttime Directional Standard Pattern, 0° - 60°

Standard Pattern
Calculated at 25.0 Degrees Elevation

| Azimuth (Deg) | Field (mV/m @1km) | Azimuth (Deg) | Field (mV/m @1km) | Azimuth (Deg) | Field (mV/m @1km) |
|---|---|---|---|---|---|
| 0.0 | 50.49 | 120.0 | 10.07 | 240.0 | 58.24 |
| 5.0 | 52.58 | 125.0 | 9.68 | 245.0 | 58.04 |
| 10.0 | 54.47 | 130.0 | 9.52 | 250.0 | 57.30 |
| 15.0 | 56.08 | 135.0 | 9.49 | 255.0 | 56.08 |
| 20.0 | 57.30 | 140.0 | 9.52 | 260.0 | 54.47 |
| 25.0 | 58.04 | 145.0 | 9.68 | 265.0 | 52.58 |
| 30.0 | 58.24 | 150.0 | 10.07 | 270.0 | 50.49 |
| 35.0 | 57.84 | 155.0 | 10.86 | 275.0 | 48.32 |
| 40.0 | 56.81 | 160.0 | 12.19 | 280.0 | 46.16 |
| 45.0 | 55.16 | 165.0 | 14.13 | 285.0 | 44.11 |
| 50.0 | 52.91 | 170.0 | 16.66 | 290.0 | 42.24 |
| 55.0 | 50.10 | 175.0 | 19.71 | 295.0 | 40.62 |
| 60.0 | 46.83 | 180.0 | 23.20 | 300.0 | 39.30 |
| 65.0 | 43.17 | 185.0 | 27.02 | 305.0 | 38.33 |
| 70.0 | 39.24 | 190.0 | 31.04 | 310.0 | 37.74 |
| 75.0 | 35.16 | 195.0 | 35.16 | 315.0 | 37.54 |
| 80.0 | 31.04 | 200.0 | 39.24 | 320.0 | 37.74 |
| 85.0 | 27.02 | 205.0 | 43.17 | 325.0 | 38.33 |
| 90.0 | 23.20 | 210.0 | 46.83 | 330.0 | 39.30 |
| 95.0 | 19.71 | 215.0 | 50.10 | 335.0 | 40.62 |
| 100.0 | 16.66 | 220.0 | 52.91 | 340.0 | 42.24 |
| 105.0 | 14.13 | 225.0 | 55.16 | 345.0 | 44.11 |
| 110.0 | 12.19 | 230.0 | 56.81 | 350.0 | 46.16 |
| 115.0 | 10.86 | 235.0 | 57.84 | 355.0 | 48.32 |

Standard Pattern
Calculated at 30.0 Degrees Elevation

| Azimuth (Deg) | Field (mV/m @1km) | Azimuth (Deg) | Field (mV/m @1km) | Azimuth (Deg) | Field (mV/m @1km) |
|---|---|---|---|---|---|
| 0.0 | 48.53 | 120.0 | 10.82 | 240.0 | 54.82 |
| 5.0 | 50.28 | 125.0 | 10.18 | 245.0 | 54.72 |
| 10.0 | 51.86 | 130.0 | 9.85 | 250.0 | 54.16 |
| 15.0 | 53.18 | 135.0 | 9.75 | 255.0 | 53.18 |
| 20.0 | 54.16 | 140.0 | 9.85 | 260.0 | 51.86 |
| 25.0 | 54.72 | 145.0 | 10.18 | 265.0 | 50.28 |
| 30.0 | 54.82 | 150.0 | 10.82 | 270.0 | 48.53 |
| 35.0 | 54.39 | 155.0 | 11.83 | 275.0 | 46.70 |
| 40.0 | 53.43 | 160.0 | 13.30 | 280.0 | 44.88 |
| 45.0 | 51.93 | 165.0 | 15.24 | 285.0 | 43.13 |
| 50.0 | 49.92 | 170.0 | 17.64 | 290.0 | 41.53 |
| 55.0 | 47.43 | 175.0 | 20.45 | 295.0 | 40.14 |
| 60.0 | 44.53 | 180.0 | 23.61 | 300.0 | 39.01 |
| 65.0 | 41.30 | 185.0 | 27.02 | 305.0 | 38.18 |
| 70.0 | 37.84 | 190.0 | 30.59 | 310.0 | 37.67 |
| 75.0 | 34.23 | 195.0 | 34.23 | 315.0 | 37.50 |
| 80.0 | 30.59 | 200.0 | 37.84 | 320.0 | 37.67 |
| 85.0 | 27.02 | 205.0 | 41.30 | 325.0 | 38.18 |
| 90.0 | 23.61 | 210.0 | 44.53 | 330.0 | 39.01 |
| 95.0 | 20.45 | 215.0 | 47.43 | 335.0 | 40.14 |
| 100.0 | 17.64 | 220.0 | 49.92 | 340.0 | 41.53 |
| 105.0 | 15.24 | 225.0 | 51.93 | 345.0 | 43.13 |
| 110.0 | 13.30 | 230.0 | 53.43 | 350.0 | 44.88 |
| 115.0 | 11.83 | 235.0 | 54.39 | 355.0 | 46.70 |

# Exhibit 16.4
## Tabulation of Nighttime Directional Standard Pattern, 0° - 60°

Standard Pattern
Calculated at 35.0 Degrees Elevation

| Azimuth (Deg) | Field (mV/m @1km) | Azimuth (Deg) | Field (mV/m @1km) | Azimuth (Deg) | Field (mV/m @1km) |
|---|---|---|---|---|---|
| 0.0 | 46.16 | 120.0 | 12.06 | 240.0 | 50.97 |
| 5.0 | 47.56 | 125.0 | 11.33 | 245.0 | 50.98 |
| 10.0 | 48.81 | 130.0 | 10.91 | 250.0 | 50.58 |
| 15.0 | 49.84 | 135.0 | 10.78 | 255.0 | 49.84 |
| 20.0 | 50.58 | 140.0 | 10.91 | 260.0 | 48.81 |
| 25.0 | 50.98 | 145.0 | 11.33 | 265.0 | 47.56 |
| 30.0 | 50.97 | 150.0 | 12.06 | 270.0 | 46.16 |
| 35.0 | 50.54 | 155.0 | 13.14 | 275.0 | 44.67 |
| 40.0 | 49.65 | 160.0 | 14.59 | 280.0 | 43.18 |
| 45.0 | 48.32 | 165.0 | 16.42 | 285.0 | 41.75 |
| 50.0 | 46.56 | 170.0 | 18.60 | 290.0 | 40.44 |
| 55.0 | 44.40 | 175.0 | 21.09 | 295.0 | 39.30 |
| 60.0 | 41.90 | 180.0 | 23.86 | 300.0 | 38.36 |
| 65.0 | 39.13 | 185.0 | 26.82 | 305.0 | 37.67 |
| 70.0 | 36.15 | 190.0 | 29.91 | 310.0 | 37.25 |
| 75.0 | 33.05 | 195.0 | 33.05 | 315.0 | 37.10 |
| 80.0 | 29.91 | 200.0 | 36.15 | 320.0 | 37.25 |
| 85.0 | 26.82 | 205.0 | 39.13 | 325.0 | 37.67 |
| 90.0 | 23.86 | 210.0 | 41.90 | 330.0 | 38.36 |
| 95.0 | 21.09 | 215.0 | 44.40 | 335.0 | 39.30 |
| 100.0 | 18.60 | 220.0 | 46.56 | 340.0 | 40.44 |
| 105.0 | 16.42 | 225.0 | 48.32 | 345.0 | 41.75 |
| 110.0 | 14.59 | 230.0 | 49.65 | 350.0 | 43.18 |
| 115.0 | 13.14 | 235.0 | 50.54 | 355.0 | 44.67 |

Standard Pattern
Calculated at 40.0 Degrees Elevation

| Azimuth (Deg) | Field (mV/m @1km) | Azimuth (Deg) | Field (mV/m @1km) | Azimuth (Deg) | Field (mV/m @1km) |
|---|---|---|---|---|---|
| 0.0 | 43.35 | 120.0 | 13.53 | 240.0 | 46.79 |
| 5.0 | 44.42 | 125.0 | 12.81 | 245.0 | 46.88 |
| 10.0 | 45.36 | 130.0 | 12.39 | 250.0 | 46.64 |
| 15.0 | 46.12 | 135.0 | 12.25 | 255.0 | 46.12 |
| 20.0 | 46.64 | 140.0 | 12.39 | 260.0 | 45.36 |
| 25.0 | 46.88 | 145.0 | 12.81 | 265.0 | 44.42 |
| 30.0 | 46.79 | 150.0 | 13.53 | 270.0 | 43.35 |
| 35.0 | 46.35 | 155.0 | 14.55 | 275.0 | 42.21 |
| 40.0 | 45.56 | 160.0 | 15.87 | 280.0 | 41.05 |
| 45.0 | 44.40 | 165.0 | 17.49 | 285.0 | 39.93 |
| 50.0 | 42.90 | 170.0 | 19.38 | 290.0 | 38.90 |
| 55.0 | 41.08 | 175.0 | 21.52 | 295.0 | 37.99 |
| 60.0 | 38.98 | 180.0 | 23.87 | 300.0 | 37.25 |
| 65.0 | 36.66 | 185.0 | 26.37 | 305.0 | 36.70 |
| 70.0 | 34.17 | 190.0 | 28.96 | 310.0 | 36.37 |
| 75.0 | 31.59 | 195.0 | 31.59 | 315.0 | 36.25 |
| 80.0 | 28.96 | 200.0 | 34.17 | 320.0 | 36.37 |
| 85.0 | 26.37 | 205.0 | 36.66 | 325.0 | 36.70 |
| 90.0 | 23.87 | 210.0 | 38.98 | 330.0 | 37.25 |
| 95.0 | 21.52 | 215.0 | 41.08 | 335.0 | 37.99 |
| 100.0 | 19.38 | 220.0 | 42.90 | 340.0 | 38.90 |
| 105.0 | 17.49 | 225.0 | 44.40 | 345.0 | 39.93 |
| 110.0 | 15.87 | 230.0 | 45.56 | 350.0 | 41.05 |
| 115.0 | 14.55 | 235.0 | 46.35 | 355.0 | 42.21 |

# Exhibit 16.4
## Tabulation of Nighttime Directional Standard Pattern, 0° - 60°

Standard Pattern
Calculated at 45.0 Degrees Elevation

| Azimuth (Deg) | Field (mV/m @1km) | Azimuth (Deg) | Field (mV/m @1km) | Azimuth (Deg) | Field (mV/m @1km) |
|---|---|---|---|---|---|
| 0.0 | 40.12 | 120.0 | 14.92 | 240.0 | 42.34 |
| 5.0 | 40.89 | 125.0 | 14.28 | 245.0 | 42.50 |
| 10.0 | 41.56 | 130.0 | 13.91 | 250.0 | 42.39 |
| 15.0 | 42.07 | 135.0 | 13.78 | 255.0 | 42.07 |
| 20.0 | 42.39 | 140.0 | 13.91 | 260.0 | 41.56 |
| 25.0 | 42.50 | 145.0 | 14.28 | 265.0 | 40.89 |
| 30.0 | 42.34 | 150.0 | 14.92 | 270.0 | 40.12 |
| 35.0 | 41.92 | 155.0 | 15.80 | 275.0 | 39.29 |
| 40.0 | 41.22 | 160.0 | 16.93 | 280.0 | 38.44 |
| 45.0 | 40.24 | 165.0 | 18.29 | 285.0 | 37.61 |
| 50.0 | 39.00 | 170.0 | 19.87 | 290.0 | 36.84 |
| 55.0 | 37.51 | 175.0 | 21.64 | 295.0 | 36.16 |
| 60.0 | 35.80 | 180.0 | 23.56 | 300.0 | 35.60 |
| 65.0 | 33.92 | 185.0 | 25.59 | 305.0 | 35.19 |
| 70.0 | 31.91 | 190.0 | 27.69 | 310.0 | 34.93 |
| 75.0 | 29.82 | 195.0 | 29.82 | 315.0 | 34.85 |
| 80.0 | 27.69 | 200.0 | 31.91 | 320.0 | 34.93 |
| 85.0 | 25.59 | 205.0 | 33.92 | 325.0 | 35.19 |
| 90.0 | 23.56 | 210.0 | 35.80 | 330.0 | 35.60 |
| 95.0 | 21.64 | 215.0 | 37.51 | 335.0 | 36.16 |
| 100.0 | 19.87 | 220.0 | 39.00 | 340.0 | 36.84 |
| 105.0 | 18.29 | 225.0 | 40.24 | 345.0 | 37.61 |
| 110.0 | 16.93 | 230.0 | 41.22 | 350.0 | 38.44 |
| 115.0 | 15.80 | 235.0 | 41.92 | 355.0 | 39.29 |

Standard Pattern
Calculated at 50.0 Degrees Elevation

| Azimuth (Deg) | Field (mV/m @1km) | Azimuth (Deg) | Field (mV/m @1km) | Azimuth (Deg) | Field (mV/m @1km) |
|---|---|---|---|---|---|
| 0.0 | 36.50 | 120.0 | 15.96 | 240.0 | 37.71 |
| 5.0 | 37.01 | 125.0 | 15.44 | 245.0 | 37.90 |
| 10.0 | 37.43 | 130.0 | 15.13 | 250.0 | 37.91 |
| 15.0 | 37.74 | 135.0 | 15.03 | 255.0 | 37.74 |
| 20.0 | 37.91 | 140.0 | 15.13 | 260.0 | 37.43 |
| 25.0 | 37.90 | 145.0 | 15.44 | 265.0 | 37.01 |
| 30.0 | 37.71 | 150.0 | 15.96 | 270.0 | 36.50 |
| 35.0 | 37.32 | 155.0 | 16.68 | 275.0 | 35.94 |
| 40.0 | 36.72 | 160.0 | 17.59 | 280.0 | 35.35 |
| 45.0 | 35.92 | 165.0 | 18.68 | 285.0 | 34.77 |
| 50.0 | 34.92 | 170.0 | 19.94 | 290.0 | 34.24 |
| 55.0 | 33.73 | 175.0 | 21.33 | 295.0 | 33.76 |
| 60.0 | 32.39 | 180.0 | 22.84 | 300.0 | 33.37 |
| 65.0 | 30.92 | 185.0 | 24.43 | 305.0 | 33.07 |
| 70.0 | 29.35 | 190.0 | 26.07 | 310.0 | 32.89 |
| 75.0 | 27.72 | 195.0 | 27.72 | 315.0 | 32.83 |
| 80.0 | 26.07 | 200.0 | 29.35 | 320.0 | 32.89 |
| 85.0 | 24.43 | 205.0 | 30.92 | 325.0 | 33.07 |
| 90.0 | 22.84 | 210.0 | 32.39 | 330.0 | 33.37 |
| 95.0 | 21.33 | 215.0 | 33.73 | 335.0 | 33.76 |
| 100.0 | 19.94 | 220.0 | 34.92 | 340.0 | 34.24 |
| 105.0 | 18.68 | 225.0 | 35.92 | 345.0 | 34.77 |
| 110.0 | 17.59 | 230.0 | 36.72 | 350.0 | 35.35 |
| 115.0 | 16.68 | 235.0 | 37.32 | 355.0 | 35.94 |

# Exhibit 16.4
## Tabulation of Nighttime Directional Standard Pattern, 0° - 60°

Standard Pattern
Calculated at 55.0 Degrees Elevation

| Azimuth (Deg) | Field (mV/m @1km) | Azimuth (Deg) | Field (mV/m @1km) | Azimuth (Deg) | Field (mV/m @1km) |
|---|---|---|---|---|---|
| 0.0 | 32.51 | 120.0 | 16.47 | 240.0 | 32.96 |
| 5.0 | 32.81 | 125.0 | 16.08 | 245.0 | 33.17 |
| 10.0 | 33.05 | 130.0 | 15.83 | 250.0 | 33.24 |
| 15.0 | 33.20 | 135.0 | 15.75 | 255.0 | 33.20 |
| 20.0 | 33.24 | 140.0 | 15.83 | 260.0 | 33.05 |
| 25.0 | 33.17 | 145.0 | 16.08 | 265.0 | 32.81 |
| 30.0 | 32.96 | 150.0 | 16.47 | 270.0 | 32.51 |
| 35.0 | 32.61 | 155.0 | 17.02 | 275.0 | 32.17 |
| 40.0 | 32.12 | 160.0 | 17.72 | 280.0 | 31.80 |
| 45.0 | 31.48 | 165.0 | 18.54 | 285.0 | 31.44 |
| 50.0 | 30.71 | 170.0 | 19.49 | 290.0 | 31.09 |
| 55.0 | 29.81 | 175.0 | 20.54 | 295.0 | 30.78 |
| 60.0 | 28.79 | 180.0 | 21.66 | 300.0 | 30.53 |
| 65.0 | 27.69 | 185.0 | 22.85 | 305.0 | 30.34 |
| 70.0 | 26.52 | 190.0 | 24.07 | 310.0 | 30.22 |
| 75.0 | 25.31 | 195.0 | 25.31 | 315.0 | 30.18 |
| 80.0 | 24.07 | 200.0 | 26.52 | 320.0 | 30.22 |
| 85.0 | 22.85 | 205.0 | 27.69 | 325.0 | 30.34 |
| 90.0 | 21.66 | 210.0 | 28.79 | 330.0 | 30.53 |
| 95.0 | 20.54 | 215.0 | 29.81 | 335.0 | 30.78 |
| 100.0 | 19.49 | 220.0 | 30.71 | 340.0 | 31.09 |
| 105.0 | 18.54 | 225.0 | 31.48 | 345.0 | 31.44 |
| 110.0 | 17.72 | 230.0 | 32.12 | 350.0 | 31.80 |
| 115.0 | 17.02 | 235.0 | 32.61 | 355.0 | 32.17 |

Standard Pattern
Calculated at 60.0 Degrees Elevation

| Azimuth (Deg) | Field (mV/m @1km) | Azimuth (Deg) | Field (mV/m @1km) | Azimuth (Deg) | Field (mV/m @1km) |
|---|---|---|---|---|---|
| 0.0 | 28.21 | 120.0 | 16.31 | 240.0 | 28.15 |
| 5.0 | 28.36 | 125.0 | 16.03 | 245.0 | 28.35 |
| 10.0 | 28.46 | 130.0 | 15.85 | 250.0 | 28.47 |
| 15.0 | 28.50 | 135.0 | 15.80 | 255.0 | 28.50 |
| 20.0 | 28.47 | 140.0 | 15.85 | 260.0 | 28.46 |
| 25.0 | 28.35 | 145.0 | 16.03 | 265.0 | 28.36 |
| 30.0 | 28.15 | 150.0 | 16.31 | 270.0 | 28.21 |
| 35.0 | 27.86 | 155.0 | 16.71 | 275.0 | 28.03 |
| 40.0 | 27.47 | 160.0 | 17.20 | 280.0 | 27.84 |
| 45.0 | 26.99 | 165.0 | 17.79 | 285.0 | 27.63 |
| 50.0 | 26.41 | 170.0 | 18.46 | 290.0 | 27.44 |
| 55.0 | 25.76 | 175.0 | 19.20 | 295.0 | 27.26 |
| 60.0 | 25.03 | 180.0 | 19.99 | 300.0 | 27.11 |
| 65.0 | 24.25 | 185.0 | 20.83 | 305.0 | 27.00 |
| 70.0 | 23.42 | 190.0 | 21.69 | 310.0 | 26.93 |
| 75.0 | 22.56 | 195.0 | 22.56 | 315.0 | 26.91 |
| 80.0 | 21.69 | 200.0 | 23.42 | 320.0 | 26.93 |
| 85.0 | 20.83 | 205.0 | 24.25 | 325.0 | 27.00 |
| 90.0 | 19.99 | 210.0 | 25.03 | 330.0 | 27.11 |
| 95.0 | 19.20 | 215.0 | 25.76 | 335.0 | 27.26 |
| 100.0 | 18.46 | 220.0 | 26.41 | 340.0 | 27.44 |
| 105.0 | 17.79 | 225.0 | 26.99 | 345.0 | 27.63 |
| 110.0 | 17.20 | 230.0 | 27.47 | 350.0 | 27.84 |
| 115.0 | 16.71 | 235.0 | 27.86 | 355.0 | 28.03 |