

Exhibit 13.5 - Facility Contour Protection Toward WWWW-FM

Scale 1:2,000,000

FMCommander Single Allocation Study - 01-28-2016 - USGS 03 SEC

Proposed's Overlaps (In= 6.24 km, Out= 0.73 km)

Proposed CH 276 D DA

Lat= 42 38 54.9, Lng= 83 04 31.3

0.25 kW 93.8 m HAAT, 314 m COR

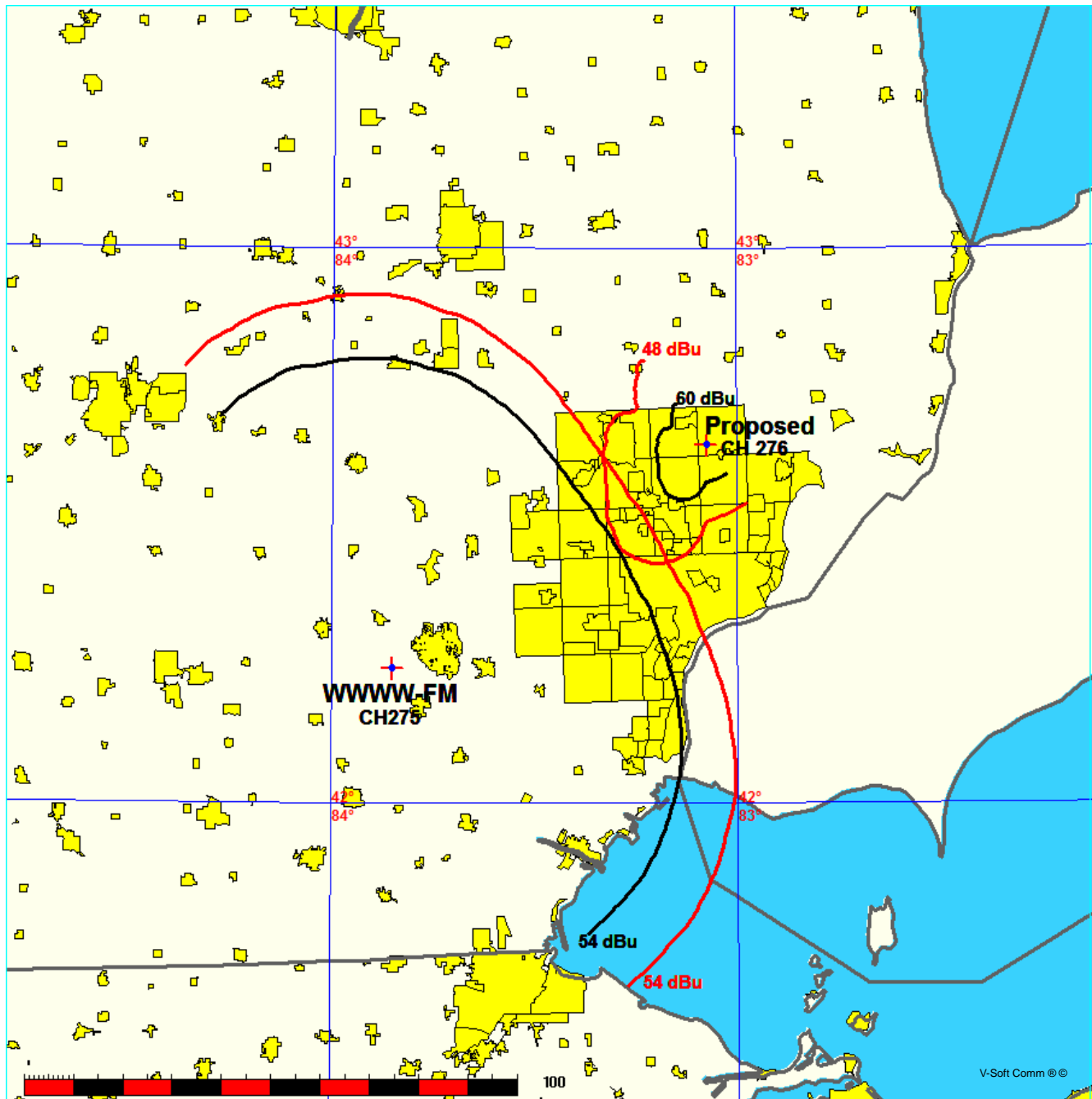
Prot.= 60 dBu, Intef.= 48 dBu

WWWW-FM CH 275 B DA BLH20110408AAK

Lat= 42 14 46.0, Lng= 83 50 58.0

50.0 kW 134.1 m HAAT, 406.2 m COR

Prot.= 54 dBu, Intef.= 54 dBu



01-28-2016

Terrain Data: USGS 03 SEC

FMOver Analysis

Proposed

WWW-FM BLH20110408AAK

Channel = 276D

Max ERP = 0.25 kW

RCAMSL = 314 m

N. Lat. 42 38 54.9

W. Lng. 83 04 31.3

Protected

60 dBu

Channel = 275B

Max ERP = 50 kW

RCAMSL = 406.2 m

N. Lat. 42 14 46.0

W. Lng. 83 50 58.0

Interfering

54 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 175.0 | 000.0199 | 0122.7 | 007.6 | 059.7 | 014.6500 | 0134.0 | 074.2 | 49.11 | |
| 176.0 | 000.0202 | 0122.2 | 007.6 | 059.6 | 014.6577 | 0134.0 | 074.1 | 49.15 | |
| 177.0 | 000.0206 | 0121.9 | 007.7 | 059.6 | 014.6629 | 0134.0 | 073.9 | 49.19 | |
| 178.0 | 000.0209 | 0121.8 | 007.7 | 059.6 | 014.6697 | 0134.0 | 073.8 | 49.24 | |
| 179.0 | 000.0213 | 0121.5 | 007.7 | 059.6 | 014.6756 | 0134.0 | 073.7 | 49.28 | |
| 180.0 | 000.0216 | 0121.4 | 007.7 | 059.5 | 014.6835 | 0134.0 | 073.5 | 49.32 | |
| 181.0 | 000.0258 | 0121.4 | 008.1 | 059.7 | 014.6451 | 0134.0 | 073.2 | 49.40 | |
| 182.0 | 000.0301 | 0121.4 | 008.4 | 059.9 | 014.6098 | 0133.9 | 072.9 | 49.48 | |
| 183.0 | 000.0350 | 0121.2 | 008.7 | 060.0 | 014.5804 | 0133.9 | 072.6 | 49.56 | |
| 184.0 | 000.0400 | 0120.9 | 009.0 | 060.1 | 014.5837 | 0133.8 | 072.4 | 49.65 | |
| 185.0 | 000.0456 | 0120.7 | 009.3 | 060.3 | 014.5870 | 0133.7 | 072.1 | 49.73 | |
| 186.0 | 000.0515 | 0120.6 | 009.6 | 060.4 | 014.5899 | 0133.7 | 071.8 | 49.82 | |
| 187.0 | 000.0576 | 0120.4 | 009.8 | 060.5 | 014.5923 | 0133.6 | 071.5 | 49.91 | |
| 188.0 | 000.0643 | 0120.0 | 010.1 | 060.5 | 014.5944 | 0133.5 | 071.2 | 50.00 | |
| 189.0 | 000.0710 | 0119.7 | 010.3 | 060.6 | 014.5962 | 0133.5 | 070.9 | 50.08 | |
| 190.0 | 000.0784 | 0119.4 | 010.6 | 060.7 | 014.5977 | 0133.4 | 070.6 | 50.17 | |
| 191.0 | 000.0835 | 0118.9 | 010.7 | 060.7 | 014.5976 | 0133.4 | 070.4 | 50.25 | |
| 192.0 | 000.0891 | 0118.5 | 010.9 | 060.6 | 014.5974 | 0133.5 | 070.1 | 50.32 | |
| 193.0 | 000.0946 | 0118.1 | 011.0 | 060.6 | 014.5969 | 0133.5 | 069.9 | 50.39 | |
| 194.0 | 000.1005 | 0117.8 | 011.2 | 060.6 | 014.5965 | 0133.5 | 069.7 | 50.47 | |
| 195.0 | 000.1063 | 0117.5 | 011.3 | 060.6 | 014.5957 | 0133.5 | 069.4 | 50.55 | |
| 196.0 | 000.1122 | 0117.1 | 011.4 | 060.5 | 014.5947 | 0133.5 | 069.2 | 50.62 | |
| 197.0 | 000.1187 | 0116.7 | 011.6 | 060.5 | 014.5936 | 0133.6 | 069.0 | 50.70 | |
| 198.0 | 000.1250 | 0116.2 | 011.7 | 060.5 | 014.5923 | 0133.6 | 068.7 | 50.77 | |
| 199.0 | 000.1318 | 0116.0 | 011.8 | 060.4 | 014.5910 | 0133.6 | 068.5 | 50.85 | |
| 200.0 | 000.1384 | 0115.8 | 012.0 | 060.3 | 014.5894 | 0133.7 | 068.3 | 50.93 | |
| 201.0 | 000.1440 | 0115.3 | 012.0 | 060.3 | 014.5871 | 0133.7 | 068.0 | 51.00 | |
| 202.0 | 000.1494 | 0114.9 | 012.1 | 060.2 | 014.5847 | 0133.8 | 067.8 | 51.06 | |
| 203.0 | 000.1552 | 0114.3 | 012.2 | 060.1 | 014.5821 | 0133.9 | 067.6 | 51.13 | |
| 204.0 | 000.1608 | 0113.5 | 012.3 | 060.0 | 014.5879 | 0133.9 | 067.5 | 51.19 | |
| 205.0 | 000.1669 | 0112.6 | 012.3 | 059.8 | 014.6129 | 0133.9 | 067.3 | 51.26 | |
| 206.0 | 000.1726 | 0111.7 | 012.4 | 059.7 | 014.6399 | 0134.0 | 067.1 | 51.32 | |
| 207.0 | 000.1785 | 0110.5 | 012.4 | 059.6 | 014.6693 | 0134.0 | 067.0 | 51.38 | |
| 208.0 | 000.1849 | 0109.7 | 012.5 | 059.5 | 014.6976 | 0134.0 | 066.8 | 51.44 | |
| 209.0 | 000.1910 | 0108.7 | 012.5 | 059.3 | 014.7279 | 0133.9 | 066.7 | 51.49 | |
| 210.0 | 000.1976 | 0107.9 | 012.6 | 059.2 | 014.7577 | 0133.9 | 066.5 | 51.55 | |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 211.0 | 000.2025 | 0107.0 | 012.6 | 059.0 | 014.7913 | 0133.7 | 066.4 | 51.60 |
| 212.0 | 000.2075 | 0106.2 | 012.7 | 058.9 | 014.8252 | 0133.5 | 066.2 | 51.64 |
| 213.0 | 000.2125 | 0105.4 | 012.7 | 058.7 | 014.8602 | 0133.3 | 066.1 | 51.68 |
| 214.0 | 000.2176 | 0104.6 | 012.7 | 058.5 | 014.8959 | 0133.0 | 066.0 | 51.71 |
| 215.0 | 000.2228 | 0103.8 | 012.7 | 058.4 | 014.9324 | 0132.8 | 065.9 | 51.74 |
| 216.0 | 000.2285 | 0102.9 | 012.8 | 058.2 | 014.9691 | 0132.5 | 065.8 | 51.78 |
| 217.0 | 000.2338 | 0101.9 | 012.8 | 058.0 | 015.0078 | 0132.1 | 065.7 | 51.80 |
| 218.0 | 000.2391 | 0100.8 | 012.8 | 057.9 | 015.0476 | 0131.8 | 065.6 | 51.82 |
| 219.0 | 000.2445 | 0099.7 | 012.8 | 057.7 | 015.0880 | 0131.5 | 065.5 | 51.84 |
| 220.0 | 000.2500 | 0098.4 | 012.8 | 057.5 | 015.1293 | 0131.2 | 065.4 | 51.86 |
| 221.0 | 000.2500 | 0097.2 | 012.7 | 057.3 | 015.1745 | 0130.9 | 065.5 | 51.85 |
| 222.0 | 000.2500 | 0095.9 | 012.6 | 057.1 | 015.2198 | 0130.7 | 065.5 | 51.84 |
| 223.0 | 000.2500 | 0094.6 | 012.5 | 056.9 | 015.2651 | 0130.4 | 065.5 | 51.83 |
| 224.0 | 000.2500 | 0093.0 | 012.4 | 056.7 | 015.3104 | 0130.2 | 065.5 | 51.82 |
| 225.0 | 000.2500 | 0091.6 | 012.3 | 056.5 | 015.3550 | 0130.0 | 065.6 | 51.81 |
| 226.0 | 000.2500 | 0090.3 | 012.2 | 056.3 | 015.3989 | 0129.7 | 065.6 | 51.80 |
| 227.0 | 000.2500 | 0089.0 | 012.2 | 056.1 | 015.4425 | 0129.5 | 065.7 | 51.78 |
| 228.0 | 000.2500 | 0087.8 | 012.1 | 055.9 | 015.4855 | 0129.1 | 065.7 | 51.76 |
| 229.0 | 000.2500 | 0086.8 | 012.0 | 055.7 | 015.5277 | 0128.8 | 065.7 | 51.74 |
| 230.0 | 000.2500 | 0086.2 | 012.0 | 055.5 | 015.5689 | 0128.4 | 065.8 | 51.73 |
| 231.0 | 000.2500 | 0086.1 | 012.0 | 055.3 | 015.6096 | 0128.0 | 065.8 | 51.72 |
| 232.0 | 000.2500 | 0085.8 | 012.0 | 055.1 | 015.6505 | 0127.6 | 065.8 | 51.71 |
| 233.0 | 000.2500 | 0085.2 | 011.9 | 054.9 | 015.6914 | 0127.2 | 065.8 | 51.69 |
| 234.0 | 000.2500 | 0083.5 | 011.8 | 054.8 | 015.7325 | 0126.8 | 065.9 | 51.65 |
| 235.0 | 000.2500 | 0081.5 | 011.7 | 054.6 | 015.7728 | 0126.5 | 066.0 | 51.60 |
| 236.0 | 000.2500 | 0080.3 | 011.6 | 054.4 | 015.8122 | 0126.2 | 066.1 | 51.57 |
| 237.0 | 000.2500 | 0078.5 | 011.5 | 054.2 | 015.8507 | 0125.9 | 066.2 | 51.52 |
| 238.0 | 000.2500 | 0075.5 | 011.3 | 054.1 | 015.8874 | 0125.7 | 066.4 | 51.45 |
| 239.0 | 000.2500 | 0073.3 | 011.1 | 053.9 | 015.9232 | 0125.5 | 066.6 | 51.40 |
| 240.0 | 000.2500 | 0072.0 | 011.0 | 053.8 | 015.9591 | 0125.4 | 066.7 | 51.37 |
| 241.0 | 000.2500 | 0071.3 | 011.0 | 053.6 | 015.9951 | 0125.3 | 066.8 | 51.35 |
| 242.0 | 000.2500 | 0070.3 | 010.9 | 053.4 | 016.0301 | 0125.2 | 066.9 | 51.33 |
| 243.0 | 000.2500 | 0069.2 | 010.8 | 053.3 | 016.0644 | 0125.1 | 067.0 | 51.30 |
| 244.0 | 000.2500 | 0067.9 | 010.7 | 053.1 | 016.0974 | 0125.1 | 067.1 | 51.27 |
| 245.0 | 000.2500 | 0066.7 | 010.7 | 053.0 | 016.1299 | 0125.0 | 067.2 | 51.24 |
| 246.0 | 000.2500 | 0066.1 | 010.6 | 052.9 | 016.1632 | 0125.0 | 067.3 | 51.22 |
| 247.0 | 000.2500 | 0065.1 | 010.5 | 052.7 | 016.1949 | 0124.9 | 067.4 | 51.19 |
| 248.0 | 000.2500 | 0064.4 | 010.5 | 052.6 | 016.2269 | 0124.9 | 067.5 | 51.16 |
| 249.0 | 000.2500 | 0064.3 | 010.5 | 052.4 | 016.2607 | 0124.8 | 067.6 | 51.15 |
| 250.0 | 000.2500 | 0063.7 | 010.4 | 052.3 | 016.2922 | 0124.8 | 067.6 | 51.13 |
| 251.0 | 000.2500 | 0063.2 | 010.4 | 052.2 | 016.3235 | 0124.7 | 067.7 | 51.11 |
| 252.0 | 000.2500 | 0062.3 | 010.3 | 052.0 | 016.3528 | 0124.7 | 067.9 | 51.08 |
| 253.0 | 000.2500 | 0061.5 | 010.3 | 051.9 | 016.3813 | 0124.7 | 068.0 | 51.05 |
| 254.0 | 000.2500 | 0060.6 | 010.2 | 051.8 | 016.4092 | 0124.7 | 068.1 | 51.02 |
| 255.0 | 000.2500 | 0060.1 | 010.2 | 051.7 | 016.4380 | 0124.7 | 068.2 | 50.99 |
| 256.0 | 000.2500 | 0059.7 | 010.2 | 051.5 | 016.4670 | 0124.8 | 068.3 | 50.97 |
| 257.0 | 000.2500 | 0059.4 | 010.1 | 051.4 | 016.4960 | 0124.8 | 068.4 | 50.95 |
| 258.0 | 000.2500 | 0059.5 | 010.1 | 051.3 | 016.5276 | 0124.7 | 068.5 | 50.93 |
| 259.0 | 000.2500 | 0059.5 | 010.1 | 051.1 | 016.5581 | 0124.7 | 068.5 | 50.92 |
| 260.0 | 000.2500 | 0059.7 | 010.2 | 051.0 | 016.5894 | 0124.7 | 068.6 | 50.90 |
| 261.0 | 000.2500 | 0059.8 | 010.2 | 050.9 | 016.6200 | 0124.6 | 068.7 | 50.88 |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 262.0 | 000.2500 | 0059.7 | 010.2 | 050.7 | 016.6488 | 0124.5 | 068.8 | 50.85 |
| 263.0 | 000.2500 | 0059.7 | 010.2 | 050.6 | 016.6782 | 0124.4 | 068.9 | 50.83 |
| 264.0 | 000.2500 | 0059.2 | 010.1 | 050.5 | 016.7028 | 0124.4 | 069.0 | 50.79 |
| 265.0 | 000.2500 | 0058.4 | 010.1 | 050.4 | 016.7243 | 0124.3 | 069.2 | 50.75 |
| 266.0 | 000.2500 | 0058.0 | 010.0 | 050.3 | 016.7477 | 0124.2 | 069.3 | 50.71 |
| 267.0 | 000.2500 | 0057.6 | 010.0 | 050.2 | 016.7709 | 0124.2 | 069.4 | 50.67 |
| 268.0 | 000.2500 | 0057.1 | 009.9 | 050.1 | 016.7926 | 0124.1 | 069.6 | 50.63 |
| 269.0 | 000.2500 | 0056.1 | 009.9 | 050.0 | 016.8091 | 0124.1 | 069.7 | 50.58 |
| 270.0 | 000.2500 | 0055.5 | 009.8 | 050.0 | 016.8240 | 0124.0 | 069.9 | 50.53 |
| 271.0 | 000.2500 | 0054.8 | 009.7 | 049.9 | 016.8323 | 0124.0 | 070.0 | 50.48 |
| 272.0 | 000.2500 | 0054.8 | 009.7 | 049.8 | 016.8445 | 0123.9 | 070.1 | 50.45 |
| 273.0 | 000.2500 | 0055.4 | 009.8 | 049.7 | 016.8598 | 0123.9 | 070.2 | 50.43 |
| 274.0 | 000.2500 | 0056.1 | 009.9 | 049.5 | 016.8758 | 0123.8 | 070.3 | 50.41 |
| 275.0 | 000.2500 | 0055.9 | 009.8 | 049.4 | 016.8865 | 0123.8 | 070.4 | 50.37 |
| 276.0 | 000.2500 | 0055.6 | 009.8 | 049.3 | 016.8958 | 0123.8 | 070.6 | 50.33 |
| 277.0 | 000.2500 | 0055.3 | 009.8 | 049.3 | 016.9053 | 0123.8 | 070.7 | 50.29 |
| 278.0 | 000.2500 | 0054.6 | 009.7 | 049.2 | 016.9115 | 0123.8 | 070.9 | 50.24 |
| 279.0 | 000.2500 | 0053.9 | 009.7 | 049.2 | 016.9174 | 0123.8 | 071.0 | 50.19 |
| 280.0 | 000.2500 | 0053.3 | 009.6 | 049.1 | 016.9230 | 0123.8 | 071.2 | 50.14 |
| 281.0 | 000.2500 | 0052.3 | 009.5 | 049.1 | 016.9258 | 0123.8 | 071.4 | 50.08 |
| 282.0 | 000.2500 | 0051.5 | 009.4 | 049.1 | 016.9300 | 0123.9 | 071.6 | 50.03 |
| 283.0 | 000.2500 | 0051.2 | 009.4 | 049.0 | 016.9371 | 0123.9 | 071.7 | 49.98 |
| 284.0 | 000.2500 | 0051.1 | 009.4 | 048.9 | 016.9452 | 0123.9 | 071.9 | 49.95 |
| 285.0 | 000.2500 | 0050.9 | 009.4 | 048.9 | 016.9521 | 0123.9 | 072.0 | 49.90 |
| 286.0 | 000.2500 | 0050.1 | 009.3 | 048.8 | 016.9539 | 0123.9 | 072.2 | 49.85 |
| 287.0 | 000.2500 | 0049.3 | 009.2 | 048.8 | 016.9563 | 0124.0 | 072.4 | 49.80 |
| 288.0 | 000.2500 | 0048.2 | 009.1 | 048.8 | 016.9544 | 0123.9 | 072.6 | 49.73 |
| 289.0 | 000.2500 | 0046.0 | 008.8 | 048.9 | 016.9434 | 0123.9 | 072.8 | 49.65 |
| 290.0 | 000.2500 | 0044.4 | 008.7 | 049.0 | 016.9366 | 0123.9 | 073.0 | 49.58 |
| 291.0 | 000.2500 | 0042.4 | 008.4 | 049.1 | 016.9249 | 0123.8 | 073.3 | 49.50 |
| 292.0 | 000.2500 | 0039.8 | 008.1 | 049.3 | 016.9071 | 0123.8 | 073.6 | 49.42 |
| 293.0 | 000.2500 | 0038.3 | 008.0 | 049.3 | 016.8985 | 0123.8 | 073.8 | 49.35 |
| 294.0 | 000.2500 | 0037.6 | 007.9 | 049.3 | 016.8985 | 0123.8 | 073.9 | 49.31 |

01-28-2016

Terrain Data: USGS 03 SEC

FMOver Analysis

WWW-FM BLH20110408AAK

Proposed

Channel = 275B

Max ERP = 50 kW

RCAMSL = 406.2 m

N. Lat. 42 14 46.0

W. Lng. 83 50 58.0

Protected

54 dBu

Channel = 276D

Max ERP = 0.25 kW

RCAMSL = 314 m

N. Lat. 42 38 54.9

W. Lng. 83 04 31.3

Interfering

48 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 355.0 | 050.0000 | 0128.7 | 062.0 | 284.2 | 000.2500 | 0051.1 | 070.7 | 27.63 | |
| 356.0 | 050.0000 | 0128.4 | 061.9 | 284.4 | 000.2500 | 0051.1 | 069.7 | 27.87 | |
| 357.0 | 050.0000 | 0128.0 | 061.8 | 284.6 | 000.2500 | 0051.0 | 068.6 | 28.12 | |
| 358.0 | 050.0000 | 0127.7 | 061.8 | 284.9 | 000.2500 | 0051.0 | 067.6 | 28.37 | |
| 359.0 | 050.0000 | 0127.1 | 061.7 | 285.0 | 000.2500 | 0050.9 | 066.5 | 28.62 | |
| 000.0 | 050.0000 | 0126.6 | 061.6 | 285.2 | 000.2500 | 0050.7 | 065.4 | 28.86 | |
| 001.0 | 048.8072 | 0127.0 | 061.5 | 285.3 | 000.2500 | 0050.7 | 064.4 | 29.12 | |
| 002.0 | 047.6288 | 0127.5 | 061.3 | 285.4 | 000.2500 | 0050.6 | 063.3 | 29.38 | |
| 003.0 | 046.4648 | 0128.5 | 061.2 | 285.5 | 000.2500 | 0050.5 | 062.2 | 29.65 | |
| 004.0 | 045.3152 | 0128.6 | 061.0 | 285.5 | 000.2500 | 0050.5 | 061.1 | 29.93 | |
| 005.0 | 044.1800 | 0128.5 | 060.7 | 285.4 | 000.2500 | 0050.5 | 060.0 | 30.23 | |
| 006.0 | 043.0592 | 0128.6 | 060.5 | 285.4 | 000.2500 | 0050.6 | 059.0 | 30.53 | |
| 007.0 | 041.9528 | 0128.7 | 060.3 | 285.3 | 000.2500 | 0050.6 | 057.9 | 30.84 | |
| 008.0 | 040.8608 | 0129.2 | 060.1 | 285.3 | 000.2500 | 0050.7 | 056.8 | 31.15 | |
| 009.0 | 039.7832 | 0130.7 | 060.1 | 285.4 | 000.2500 | 0050.6 | 055.8 | 31.44 | |
| 010.0 | 038.7200 | 0132.5 | 060.1 | 285.5 | 000.2500 | 0050.5 | 054.7 | 31.73 | |
| 011.0 | 037.7146 | 0133.7 | 060.0 | 285.5 | 000.2500 | 0050.5 | 053.7 | 32.04 | |
| 012.0 | 036.7224 | 0134.2 | 059.8 | 285.4 | 000.2500 | 0050.6 | 052.6 | 32.36 | |
| 013.0 | 035.7435 | 0134.2 | 059.6 | 285.1 | 000.2500 | 0050.8 | 051.6 | 32.69 | |
| 014.0 | 034.7778 | 0133.9 | 059.3 | 284.8 | 000.2500 | 0051.0 | 050.5 | 33.02 | |
| 015.0 | 033.8253 | 0134.0 | 059.0 | 284.5 | 000.2500 | 0051.0 | 049.5 | 33.33 | |
| 016.0 | 032.8860 | 0133.9 | 058.7 | 284.2 | 000.2500 | 0051.1 | 048.5 | 33.64 | |
| 017.0 | 031.9600 | 0133.8 | 058.5 | 283.8 | 000.2500 | 0051.1 | 047.5 | 33.94 | |
| 018.0 | 031.0472 | 0134.0 | 058.2 | 283.4 | 000.2500 | 0051.2 | 046.5 | 34.24 | |
| 019.0 | 030.1476 | 0134.1 | 058.0 | 282.9 | 000.2500 | 0051.2 | 045.5 | 34.56 | |
| 020.0 | 029.2612 | 0134.0 | 057.7 | 282.4 | 000.2500 | 0051.4 | 044.5 | 34.89 | |
| 021.0 | 028.6524 | 0133.6 | 057.4 | 281.9 | 000.2500 | 0051.6 | 043.6 | 35.24 | |
| 022.0 | 028.0501 | 0133.4 | 057.2 | 281.3 | 000.2500 | 0052.0 | 042.6 | 35.62 | |
| 023.0 | 027.4540 | 0133.2 | 057.0 | 280.7 | 000.2500 | 0052.5 | 041.7 | 36.02 | |
| 024.0 | 026.8644 | 0133.3 | 056.8 | 280.2 | 000.2500 | 0053.1 | 040.8 | 36.44 | |
| 025.0 | 026.2813 | 0133.2 | 056.6 | 279.5 | 000.2500 | 0053.6 | 039.9 | 36.84 | |
| 026.0 | 025.7045 | 0132.9 | 056.3 | 278.7 | 000.2500 | 0054.1 | 039.0 | 37.24 | |
| 027.0 | 025.1340 | 0132.3 | 056.0 | 277.9 | 000.2500 | 0054.7 | 038.2 | 37.65 | |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 028.0 | 024.5700 | 0131.5 | 055.7 | 276.9 | 000.2500 | 0055.4 | 037.4 | 38.06 |
| 029.0 | 024.0125 | 0130.7 | 055.4 | 275.9 | 000.2500 | 0055.6 | 036.6 | 38.40 |
| 030.0 | 023.4613 | 0130.2 | 055.1 | 274.8 | 000.2500 | 0056.0 | 035.9 | 38.76 |
| 031.0 | 022.9503 | 0129.7 | 054.8 | 273.7 | 000.2500 | 0056.0 | 035.1 | 39.05 |
| 032.0 | 022.4450 | 0128.8 | 054.5 | 272.5 | 000.2500 | 0054.9 | 034.4 | 39.18 |
| 033.0 | 021.9453 | 0127.9 | 054.2 | 271.2 | 000.2500 | 0054.7 | 033.8 | 39.42 |
| 034.0 | 021.4513 | 0127.4 | 053.9 | 269.9 | 000.2500 | 0055.6 | 033.2 | 39.81 |
| 035.0 | 020.9628 | 0127.1 | 053.6 | 268.6 | 000.2500 | 0056.5 | 032.6 | 40.21 |
| 036.0 | 020.4800 | 0127.2 | 053.4 | 267.3 | 000.2500 | 0057.5 | 032.0 | 40.62 |
| 037.0 | 020.0028 | 0127.0 | 053.2 | 265.9 | 000.2500 | 0058.0 | 031.4 | 40.95 |
| 038.0 | 019.5313 | 0126.8 | 053.0 | 264.4 | 000.2500 | 0058.9 | 030.9 | 41.33 |
| 039.0 | 019.0653 | 0126.8 | 052.7 | 262.8 | 000.2500 | 0059.8 | 030.4 | 41.68 |
| 040.0 | 018.6050 | 0126.8 | 052.5 | 261.3 | 000.2500 | 0059.8 | 029.9 | 41.92 |
| 041.0 | 018.3618 | 0126.1 | 052.3 | 259.6 | 000.2500 | 0059.6 | 029.5 | 42.12 |
| 042.0 | 018.1202 | 0125.6 | 052.1 | 258.0 | 000.2500 | 0059.5 | 029.1 | 42.33 |
| 043.0 | 017.8802 | 0125.4 | 051.9 | 256.3 | 000.2500 | 0059.6 | 028.7 | 42.57 |
| 044.0 | 017.6418 | 0125.1 | 051.8 | 254.6 | 000.2500 | 0060.2 | 028.4 | 42.85 |
| 045.0 | 017.4050 | 0124.7 | 051.6 | 252.8 | 000.2500 | 0061.6 | 028.1 | 43.19 |
| 046.0 | 017.2872 | 0124.9 | 051.6 | 251.2 | 000.2500 | 0063.1 | 027.8 | 43.60 |
| 047.0 | 017.1698 | 0124.9 | 051.5 | 249.4 | 000.2500 | 0064.1 | 027.5 | 43.93 |
| 048.0 | 017.0528 | 0124.3 | 051.4 | 247.5 | 000.2500 | 0064.6 | 027.3 | 44.10 |
| 049.0 | 016.9362 | 0123.9 | 051.2 | 245.7 | 000.2500 | 0066.3 | 027.1 | 44.41 |
| 050.0 | 016.8200 | 0124.0 | 051.2 | 243.8 | 000.2500 | 0068.2 | 027.0 | 44.77 |
| 051.0 | 016.5888 | 0124.7 | 051.2 | 241.9 | 000.2500 | 0070.3 | 026.8 | 45.13 |
| 052.0 | 016.3592 | 0124.7 | 051.0 | 240.0 | 000.2500 | 0072.0 | 026.8 | 45.35 |
| 053.0 | 016.1312 | 0125.0 | 051.0 | 238.1 | 000.2500 | 0075.3 | 026.8 | 45.75 |
| 054.0 | 015.9048 | 0125.6 | 050.9 | 236.2 | 000.2500 | 0080.1 | 026.8 | 46.30 |
| 055.0 | 015.6800 | 0127.3 | 051.0 | 234.3 | 000.2500 | 0082.9 | 026.7 | 46.69 |
| 056.0 | 015.4568 | 0129.4 | 051.2 | 232.3 | 000.2500 | 0085.6 | 026.5 | 47.07 |
| 057.0 | 015.2352 | 0130.6 | 051.2 | 230.4 | 000.2500 | 0086.1 | 026.6 | 47.10 |
| 058.0 | 015.0152 | 0132.1 | 051.3 | 228.5 | 000.2500 | 0087.3 | 026.6 | 47.19 |
| 059.0 | 014.7968 | 0133.7 | 051.4 | 226.5 | 000.2500 | 0089.6 | 026.7 | 47.38 |
| 060.0 | 014.5800 | 0133.9 | 051.3 | 224.7 | 000.2500 | 0092.0 | 027.0 | 47.42 |
| 061.0 | 014.6070 | 0133.3 | 051.2 | 223.0 | 000.2500 | 0094.6 | 027.4 | 47.46 |
| 062.0 | 014.6341 | 0133.5 | 051.3 | 221.2 | 000.2500 | 0096.9 | 027.6 | 47.53 |
| 063.0 | 014.6611 | 0134.2 | 051.4 | 219.4 | 000.2467 | 0099.1 | 027.9 | 47.53 |
| 064.0 | 014.6882 | 0134.8 | 051.5 | 217.7 | 000.2373 | 0101.2 | 028.2 | 47.37 |
| 065.0 | 014.7153 | 0135.3 | 051.6 | 216.0 | 000.2283 | 0103.0 | 028.5 | 47.15 |
| 066.0 | 014.7425 | 0135.0 | 051.6 | 214.5 | 000.2200 | 0104.2 | 029.0 | 46.81 |
| 067.0 | 014.7696 | 0135.5 | 051.7 | 212.9 | 000.2119 | 0105.5 | 029.4 | 46.51 |
| 068.0 | 014.7968 | 0135.3 | 051.6 | 211.5 | 000.2049 | 0106.7 | 030.0 | 46.16 |
| 069.0 | 014.8240 | 0135.3 | 051.7 | 210.1 | 000.1982 | 0107.8 | 030.5 | 45.80 |
| 070.0 | 014.8513 | 0135.7 | 051.7 | 208.8 | 000.1895 | 0108.9 | 031.0 | 45.42 |
| 071.0 | 015.0426 | 0136.3 | 051.9 | 207.3 | 000.1804 | 0110.3 | 031.5 | 45.07 |
| 072.0 | 015.2352 | 0136.8 | 052.1 | 205.9 | 000.1721 | 0111.8 | 032.0 | 44.72 |
| 073.0 | 015.4290 | 0137.3 | 052.3 | 204.6 | 000.1643 | 0113.0 | 032.6 | 44.34 |
| 074.0 | 015.6241 | 0138.3 | 052.6 | 203.2 | 000.1565 | 0114.2 | 033.1 | 43.96 |
| 075.0 | 015.8203 | 0140.0 | 052.9 | 201.8 | 000.1482 | 0115.1 | 033.6 | 43.54 |
| 076.0 | 016.0178 | 0141.2 | 053.2 | 200.5 | 000.1412 | 0115.6 | 034.2 | 43.08 |
| 077.0 | 016.2165 | 0141.9 | 053.4 | 199.4 | 000.1342 | 0115.9 | 034.9 | 42.56 |
| 078.0 | 016.4165 | 0142.0 | 053.5 | 198.4 | 000.1278 | 0116.1 | 035.6 | 42.02 |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 079.0 | 016.6176 | 0142.2 | 053.7 | 197.5 | 000.1219 | 0116.4 | 036.4 | 41.48 |
| 080.0 | 016.8200 | 0142.4 | 053.8 | 196.7 | 000.1165 | 0116.8 | 037.2 | 40.95 |
| 081.0 | 017.2285 | 0141.7 | 053.9 | 195.9 | 000.1115 | 0117.1 | 038.0 | 40.42 |
| 082.0 | 017.6418 | 0141.0 | 054.0 | 195.2 | 000.1072 | 0117.4 | 038.8 | 39.90 |
| 083.0 | 018.0600 | 0141.1 | 054.3 | 194.3 | 000.1024 | 0117.7 | 039.6 | 39.37 |
| 084.0 | 018.4832 | 0141.5 | 054.5 | 193.5 | 000.0976 | 0117.9 | 040.4 | 38.82 |
| 085.0 | 018.9113 | 0141.9 | 054.8 | 192.8 | 000.0932 | 0118.2 | 041.2 | 38.28 |
| 086.0 | 019.3442 | 0142.3 | 055.1 | 192.0 | 000.0892 | 0118.5 | 042.0 | 37.75 |
| 087.0 | 019.7820 | 0142.8 | 055.3 | 191.4 | 000.0855 | 0118.8 | 042.9 | 37.21 |
| 088.0 | 020.2248 | 0143.2 | 055.6 | 190.7 | 000.0822 | 0119.0 | 043.8 | 36.69 |
| 089.0 | 020.6725 | 0143.9 | 055.9 | 190.1 | 000.0790 | 0119.3 | 044.7 | 36.16 |
| 090.0 | 021.1250 | 0144.6 | 056.2 | 189.5 | 000.0749 | 0119.6 | 045.6 | 35.58 |
| 091.0 | 021.7800 | 0144.9 | 056.5 | 189.0 | 000.0707 | 0119.7 | 046.5 | 34.97 |
| 092.0 | 022.4450 | 0145.2 | 056.8 | 188.4 | 000.0672 | 0119.9 | 047.5 | 34.38 |
| 093.0 | 023.1200 | 0145.5 | 057.1 | 188.0 | 000.0640 | 0120.0 | 048.4 | 33.80 |
| 094.0 | 023.8050 | 0145.9 | 057.4 | 187.5 | 000.0610 | 0120.2 | 049.4 | 33.22 |
| 095.0 | 024.5000 | 0146.2 | 057.7 | 187.1 | 000.0583 | 0120.3 | 050.4 | 32.65 |
| 096.0 | 025.2050 | 0146.5 | 058.0 | 186.8 | 000.0561 | 0120.5 | 051.4 | 32.10 |
| 097.0 | 025.9200 | 0146.6 | 058.3 | 186.5 | 000.0543 | 0120.5 | 052.4 | 31.56 |
| 098.0 | 026.6450 | 0146.8 | 058.6 | 186.2 | 000.0527 | 0120.6 | 053.4 | 31.03 |
| 099.0 | 027.3800 | 0147.0 | 058.9 | 185.9 | 000.0512 | 0120.6 | 054.5 | 30.50 |
| 100.0 | 028.1250 | 0147.3 | 059.2 | 185.7 | 000.0499 | 0120.6 | 055.5 | 29.98 |
| 101.0 | 029.0322 | 0147.5 | 059.5 | 185.5 | 000.0485 | 0120.7 | 056.6 | 29.46 |
| 102.0 | 029.9538 | 0147.9 | 059.8 | 185.3 | 000.0472 | 0120.7 | 057.7 | 28.93 |
| 103.0 | 030.8898 | 0148.2 | 060.2 | 185.1 | 000.0462 | 0120.7 | 058.8 | 28.44 |
| 104.0 | 031.8402 | 0148.2 | 060.4 | 185.0 | 000.0455 | 0120.7 | 059.8 | 27.97 |
| 105.0 | 032.8050 | 0148.1 | 060.7 | 184.9 | 000.0450 | 0120.8 | 060.9 | 27.54 |
| 106.0 | 033.7842 | 0148.1 | 061.0 | 184.8 | 000.0447 | 0120.8 | 062.0 | 27.13 |
| 107.0 | 034.7778 | 0148.2 | 061.3 | 184.8 | 000.0444 | 0120.8 | 063.1 | 26.72 |
| 108.0 | 035.7858 | 0148.4 | 061.6 | 184.8 | 000.0442 | 0120.8 | 064.2 | 26.33 |
| 109.0 | 036.8082 | 0148.6 | 061.9 | 184.7 | 000.0440 | 0120.8 | 065.4 | 25.96 |
| 110.0 | 037.8450 | 0148.9 | 062.2 | 184.7 | 000.0440 | 0120.8 | 066.5 | 25.61 |
| 111.0 | 038.5442 | 0149.0 | 062.4 | 184.8 | 000.0446 | 0120.8 | 067.6 | 25.31 |
| 112.0 | 039.2498 | 0149.0 | 062.5 | 185.0 | 000.0453 | 0120.8 | 068.7 | 25.04 |
| 113.0 | 039.9618 | 0148.8 | 062.7 | 185.1 | 000.0463 | 0120.7 | 069.8 | 24.80 |
| 114.0 | 040.6802 | 0148.5 | 062.8 | 185.3 | 000.0474 | 0120.7 | 070.8 | 24.56 |