

Exhibit 34.1

§73.215 Short-Spaced Contour Protection Studies Toward WXCC(FM) - Williamson, WV (Present Class C1 Facilities)

FMCommander Single Allocation Study - 12-18-2013 - NGDC 30 SEC
WOXL-FM.P's Overlaps (In= 2.65 km, Out= 12.2 km)

WOXL-FM.P CH 243 C2 73.215 Z
Lat= 35 36 04.0, Lng= 82 39 07.0
9.5 kW 350.3 M HAAT, 1064 M COR
Prot.= 60 dBu, Intef.= 40 dBu

WXCC CH 243 C1 73.215 Z BLH20071205ABF
Lat= 37 30 48.0, Lng= 82 15 20.0
75.0 kW 339 M HAAT, 759 M COR
Prot.= 60 dBu, Intef.= 40 dBu

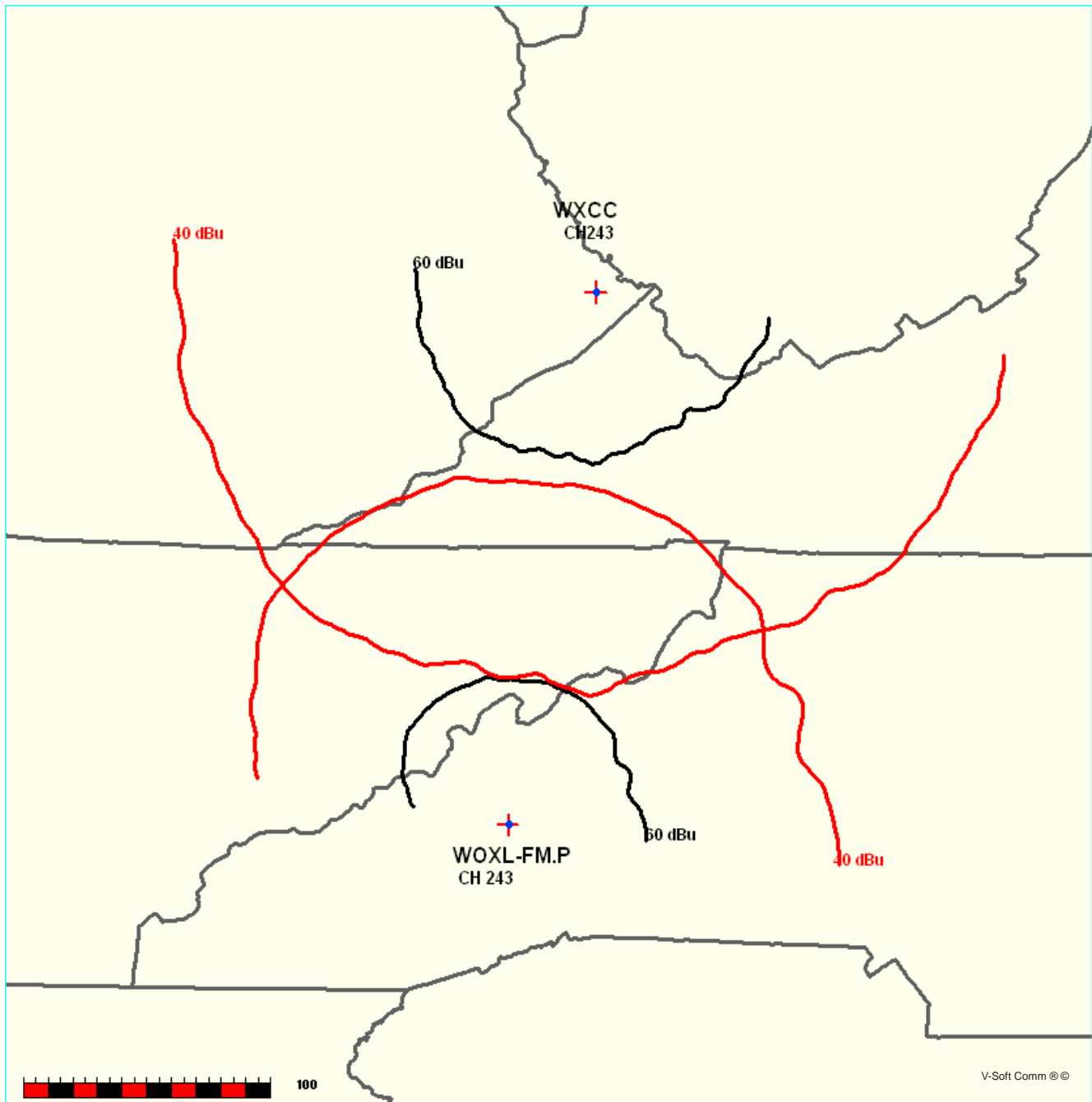


Exhibit 34.1

§73.215 Short-Spaced Contour Protection Studies Toward WXCC(FM) - Williamson, WV (Present Class C1 Facilities)

12-18-2013

Terrain Data: NGDC 30 SEC

FMOver Analysis

WOXL-FM.P

WXCC BLH20071205ABF

Channel = 243C2
Max ERP = 9.5 kW
RCAMSL = 1064 M
N. Lat. 35 36 04.0
W. Lng. 82 39 07.0
Protected
60 dBu

Channel = 243C1
Max ERP = 75 kW
RCAMSL = 759 M
N. Lat. 37 30 48.0
W. Lng. 82 15 20.0
Interfering
40 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 327.0 | 009.5000 | 0415.3 | 056.6 | 202.0 | 045.5549 | 0353.9 | 177.8 | 36.72 | |
| 328.0 | 009.5000 | 0418.8 | 056.8 | 201.8 | 045.3158 | 0353.5 | 176.9 | 36.85 | |
| 329.0 | 009.5000 | 0420.5 | 056.9 | 201.7 | 045.0203 | 0353.2 | 176.0 | 36.98 | |
| 330.0 | 009.5000 | 0420.8 | 056.9 | 201.5 | 044.6786 | 0352.8 | 175.3 | 37.08 | |
| 331.0 | 009.5000 | 0421.0 | 056.9 | 201.3 | 044.3266 | 0352.4 | 174.5 | 37.18 | |
| 332.0 | 009.5000 | 0421.9 | 057.0 | 201.1 | 043.9802 | 0352.0 | 173.7 | 37.28 | |
| 333.0 | 009.5000 | 0422.8 | 057.0 | 200.8 | 043.6237 | 0351.6 | 172.9 | 37.38 | |
| 334.0 | 009.5000 | 0423.7 | 057.1 | 200.6 | 043.2597 | 0351.0 | 172.2 | 37.47 | |
| 335.0 | 009.5000 | 0425.9 | 057.2 | 200.4 | 042.9130 | 0350.2 | 171.4 | 37.56 | |
| 336.0 | 009.5000 | 0428.1 | 057.3 | 200.2 | 042.5567 | 0349.2 | 170.6 | 37.64 | |
| 337.0 | 009.5000 | 0429.3 | 057.4 | 200.0 | 042.1875 | 0348.0 | 169.8 | 37.71 | |
| 338.0 | 009.5000 | 0430.5 | 057.5 | 199.8 | 042.1875 | 0346.7 | 169.1 | 37.81 | |
| 339.0 | 009.5000 | 0432.9 | 057.6 | 199.5 | 042.1875 | 0345.5 | 168.3 | 37.91 | |
| 340.0 | 009.5000 | 0434.5 | 057.7 | 199.3 | 042.1875 | 0344.3 | 167.6 | 38.01 | |
| 341.0 | 009.5000 | 0433.4 | 057.6 | 199.0 | 042.1875 | 0343.5 | 167.1 | 38.09 | |
| 342.0 | 009.5000 | 0431.0 | 057.5 | 198.7 | 042.1875 | 0343.1 | 166.6 | 38.17 | |
| 343.0 | 009.5000 | 0430.3 | 057.5 | 198.4 | 042.1875 | 0343.4 | 166.0 | 38.28 | |
| 344.0 | 009.5000 | 0432.0 | 057.6 | 198.1 | 042.1875 | 0344.2 | 165.4 | 38.42 | |
| 345.0 | 009.5000 | 0435.0 | 057.7 | 197.9 | 042.1875 | 0345.3 | 164.7 | 38.57 | |
| 346.0 | 009.5000 | 0438.4 | 057.9 | 197.6 | 042.1875 | 0346.9 | 164.0 | 38.74 | |
| 347.0 | 009.5000 | 0440.6 | 058.0 | 197.3 | 042.1875 | 0348.7 | 163.3 | 38.90 | |
| 348.0 | 009.5000 | 0442.3 | 058.1 | 197.0 | 042.1875 | 0350.9 | 162.8 | 39.07 | |
| 349.0 | 009.5000 | 0445.0 | 058.3 | 196.8 | 042.1875 | 0353.1 | 162.1 | 39.24 | |
| 350.0 | 009.5000 | 0451.4 | 058.7 | 196.5 | 042.1875 | 0354.9 | 161.3 | 39.43 | |
| 351.0 | 009.4052 | 0457.3 | 058.9 | 196.2 | 042.1875 | 0356.8 | 160.7 | 39.61 | |
| 352.0 | 009.3110 | 0460.1 | 059.0 | 195.9 | 042.1875 | 0358.6 | 160.2 | 39.74 | |
| 353.0 | 009.2171 | 0456.9 | 058.7 | 195.5 | 042.1875 | 0359.9 | 160.1 | 39.80 | |
| 354.0 | 009.1238 | 0451.0 | 058.2 | 195.1 | 042.1875 | 0360.4 | 160.1 | 39.81 | |
| 355.0 | 009.0309 | 0446.1 | 057.9 | 194.7 | 042.1875 | 0360.0 | 160.1 | 39.80 | |
| 356.0 | 008.9385 | 0443.4 | 057.6 | 194.3 | 042.1875 | 0359.4 | 160.0 | 39.80 | |
| 357.0 | 008.8466 | 0440.6 | 057.3 | 194.0 | 042.1875 | 0358.9 | 160.0 | 39.79 | |
| 358.0 | 008.7552 | 0441.3 | 057.3 | 193.6 | 042.1875 | 0358.2 | 159.7 | 39.82 | |
| 359.0 | 008.6642 | 0444.6 | 057.4 | 193.3 | 042.1875 | 0357.3 | 159.4 | 39.86 | |

Exhibit 34.1

§73.215 Short-Spaced Contour Protection Studies Toward WXCC(FM) - Williamson, WV (Present Class C1 Facilities)

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 000.0 | 008.5737 | 0447.9 | 057.5 | 192.9 | 042.1875 | 0356.0 | 159.1 | 39.88 |
| 001.0 | 008.5737 | 0449.8 | 057.6 | 192.6 | 042.1875 | 0354.3 | 158.8 | 39.89 |
| 002.0 | 008.5737 | 0447.4 | 057.4 | 192.2 | 042.1875 | 0352.4 | 158.7 | 39.85 |
| 003.0 | 008.5737 | 0445.6 | 057.3 | 191.9 | 042.1875 | 0350.4 | 158.7 | 39.81 |
| 004.0 | 008.5737 | 0444.5 | 057.3 | 191.5 | 042.1875 | 0348.0 | 158.6 | 39.76 |
| 005.0 | 008.5737 | 0443.4 | 057.2 | 191.1 | 042.1875 | 0345.0 | 158.5 | 39.69 |
| 006.0 | 008.5737 | 0442.8 | 057.2 | 190.8 | 042.1875 | 0341.6 | 158.5 | 39.60 |
| 007.0 | 008.5737 | 0443.3 | 057.2 | 190.4 | 042.1875 | 0338.1 | 158.4 | 39.53 |
| 008.0 | 008.5737 | 0444.5 | 057.3 | 190.1 | 042.1875 | 0335.0 | 158.3 | 39.46 |
| 009.0 | 008.5737 | 0447.6 | 057.4 | 189.7 | 042.1875 | 0332.5 | 158.1 | 39.43 |
| 010.0 | 008.5737 | 0451.9 | 057.7 | 189.3 | 042.1875 | 0330.8 | 157.8 | 39.43 |
| 011.0 | 008.5737 | 0455.8 | 057.9 | 189.0 | 042.1875 | 0330.2 | 157.6 | 39.45 |
| 012.0 | 008.5737 | 0457.7 | 058.0 | 188.6 | 042.1875 | 0331.1 | 157.6 | 39.49 |
| 013.0 | 008.5737 | 0458.8 | 058.1 | 188.2 | 042.1875 | 0333.0 | 157.6 | 39.54 |
| 014.0 | 008.5737 | 0459.6 | 058.1 | 187.9 | 042.1875 | 0335.8 | 157.7 | 39.60 |
| 015.0 | 008.5737 | 0461.1 | 058.2 | 187.5 | 042.1875 | 0339.5 | 157.7 | 39.69 |
| 016.0 | 008.5737 | 0461.3 | 058.2 | 187.1 | 042.1875 | 0343.2 | 157.8 | 39.77 |
| 017.0 | 008.5737 | 0459.6 | 058.1 | 186.8 | 042.1875 | 0346.6 | 158.1 | 39.81 |
| 018.0 | 008.5737 | 0457.2 | 058.0 | 186.4 | 042.1875 | 0349.4 | 158.4 | 39.83 |
| 019.0 | 008.5737 | 0455.6 | 057.9 | 186.1 | 042.1875 | 0351.6 | 158.7 | 39.83 |
| 020.0 | 008.5737 | 0454.3 | 057.8 | 185.7 | 042.1875 | 0353.4 | 159.1 | 39.82 |
| 021.0 | 008.6642 | 0452.8 | 057.8 | 185.4 | 042.1875 | 0354.8 | 159.3 | 39.81 |
| 022.0 | 008.7552 | 0450.9 | 057.8 | 185.0 | 042.1875 | 0356.0 | 159.6 | 39.78 |
| 023.0 | 008.8466 | 0448.6 | 057.8 | 184.7 | 042.1875 | 0357.1 | 159.9 | 39.75 |
| 024.0 | 008.9385 | 0446.3 | 057.8 | 184.3 | 042.1875 | 0358.0 | 160.3 | 39.71 |
| 025.0 | 009.0309 | 0444.7 | 057.8 | 184.0 | 042.1875 | 0358.3 | 160.7 | 39.65 |
| 026.0 | 009.1238 | 0443.5 | 057.8 | 183.7 | 042.1875 | 0359.1 | 161.0 | 39.61 |
| 027.0 | 009.2171 | 0442.6 | 057.9 | 183.3 | 042.1875 | 0361.4 | 161.4 | 39.60 |
| 028.0 | 009.3110 | 0441.7 | 057.9 | 183.0 | 042.1875 | 0364.0 | 161.7 | 39.60 |
| 029.0 | 009.4052 | 0440.2 | 057.9 | 182.7 | 042.1875 | 0366.6 | 162.2 | 39.58 |
| 030.0 | 009.5000 | 0438.3 | 057.9 | 182.4 | 042.1875 | 0369.2 | 162.6 | 39.55 |
| 031.0 | 009.5000 | 0436.2 | 057.8 | 182.1 | 042.1875 | 0371.5 | 163.2 | 39.50 |
| 032.0 | 009.5000 | 0433.4 | 057.6 | 181.8 | 042.1875 | 0373.8 | 163.9 | 39.43 |
| 033.0 | 009.5000 | 0430.2 | 057.4 | 181.5 | 042.1875 | 0376.6 | 164.5 | 39.37 |
| 034.0 | 009.5000 | 0426.7 | 057.3 | 181.3 | 042.1875 | 0379.5 | 165.2 | 39.29 |
| 035.0 | 009.5000 | 0423.6 | 057.1 | 181.0 | 042.1875 | 0380.6 | 165.9 | 39.18 |
| 036.0 | 009.5000 | 0419.8 | 056.9 | 180.8 | 042.1875 | 0379.6 | 166.7 | 39.02 |
| 037.0 | 009.5000 | 0415.4 | 056.6 | 180.5 | 042.1875 | 0378.2 | 167.5 | 38.84 |
| 038.0 | 009.5000 | 0411.1 | 056.4 | 180.3 | 042.1875 | 0376.8 | 168.2 | 38.66 |
| 039.0 | 009.5000 | 0407.5 | 056.2 | 180.1 | 042.1875 | 0375.4 | 169.0 | 38.49 |
| 040.0 | 009.5000 | 0404.4 | 056.0 | 179.9 | 042.1875 | 0374.0 | 169.8 | 38.31 |
| 041.0 | 009.5000 | 0401.4 | 055.8 | 179.7 | 042.1875 | 0372.6 | 170.5 | 38.14 |
| 042.0 | 009.5000 | 0399.0 | 055.7 | 179.5 | 042.1875 | 0371.3 | 171.3 | 37.97 |
| 043.0 | 009.5000 | 0397.1 | 055.6 | 179.2 | 042.1875 | 0369.9 | 172.0 | 37.80 |
| 044.0 | 009.5000 | 0395.8 | 055.5 | 179.0 | 042.1875 | 0368.5 | 172.8 | 37.64 |
| 045.0 | 009.5000 | 0395.6 | 055.5 | 178.8 | 042.1875 | 0367.1 | 173.5 | 37.47 |

Exhibit 34.1

§73.215 Short-Spaced Contour Protection Studies Toward WXCC(FM) - Williamson, WV (Present Class C1 Facilities)

12-18-2013

Terrain Data: NGDC 30 SEC

FMOver Analysis

WXCC BLH20071205ABF

WOXL-FM.P

Channel = 243C1

Max ERP = 75 kW

RCAMSL = 759 M

N. Lat. 37 30 48.0

W. Lng. 82 15 20.0

Protected

60 dBu

Channel = 243C2

Max ERP = 9.5 kW

RCAMSL = 1064 M

N. Lat. 35 36 04.0

W. Lng. 82 39 07.0

Interfering

40 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 145.0 | 067.6875 | 0219.8 | 061.9 | 023.6 | 008.8980 | 0447.3 | 176.8 | 31.38 | |
| 146.0 | 066.2700 | 0232.8 | 062.8 | 023.6 | 008.9043 | 0447.1 | 175.4 | 31.68 | |
| 147.0 | 064.8675 | 0242.5 | 063.4 | 023.6 | 008.9015 | 0447.2 | 174.2 | 31.95 | |
| 148.0 | 063.4800 | 0246.7 | 063.5 | 023.4 | 008.8859 | 0447.5 | 173.2 | 32.16 | |
| 149.0 | 062.1075 | 0245.7 | 063.3 | 023.1 | 008.8594 | 0448.2 | 172.5 | 32.32 | |
| 150.0 | 060.7500 | 0242.2 | 062.8 | 022.8 | 008.8276 | 0449.1 | 171.9 | 32.44 | |
| 151.0 | 058.7419 | 0239.8 | 062.3 | 022.4 | 008.7948 | 0449.9 | 171.3 | 32.56 | |
| 152.0 | 056.7675 | 0241.3 | 062.0 | 022.2 | 008.7690 | 0450.6 | 170.6 | 32.71 | |
| 153.0 | 054.8269 | 0244.6 | 062.0 | 021.9 | 008.7458 | 0451.1 | 169.8 | 32.88 | |
| 154.0 | 052.9200 | 0246.3 | 061.8 | 021.6 | 008.7191 | 0451.7 | 169.1 | 33.02 | |
| 155.0 | 051.0469 | 0247.4 | 061.5 | 021.3 | 008.6906 | 0452.3 | 168.5 | 33.15 | |
| 156.0 | 049.2075 | 0250.9 | 061.4 | 021.0 | 008.6658 | 0452.8 | 167.8 | 33.30 | |
| 157.0 | 047.4019 | 0256.6 | 061.5 | 020.8 | 008.6439 | 0453.2 | 167.0 | 33.47 | |
| 158.0 | 045.6300 | 0262.2 | 061.6 | 020.5 | 008.6210 | 0453.6 | 166.2 | 33.64 | |
| 159.0 | 043.8919 | 0269.4 | 061.8 | 020.3 | 008.5998 | 0453.9 | 165.4 | 33.82 | |
| 160.0 | 042.1875 | 0280.3 | 062.2 | 020.1 | 008.5832 | 0454.2 | 164.3 | 34.04 | |
| 161.0 | 042.1875 | 0292.7 | 063.1 | 020.0 | 008.5755 | 0454.3 | 162.9 | 34.35 | |
| 162.0 | 042.1875 | 0299.8 | 063.7 | 019.8 | 008.5737 | 0454.6 | 161.8 | 34.59 | |
| 163.0 | 042.1875 | 0298.7 | 063.6 | 019.5 | 008.5737 | 0455.0 | 161.2 | 34.73 | |
| 164.0 | 042.1875 | 0295.2 | 063.3 | 019.1 | 008.5737 | 0455.4 | 160.7 | 34.84 | |
| 165.0 | 042.1875 | 0294.5 | 063.3 | 018.8 | 008.5737 | 0455.8 | 160.2 | 34.97 | |
| 166.0 | 042.1875 | 0298.9 | 063.6 | 018.5 | 008.5737 | 0456.2 | 159.3 | 35.17 | |
| 167.0 | 042.1875 | 0308.5 | 064.3 | 018.3 | 008.5737 | 0456.6 | 158.1 | 35.44 | |
| 168.0 | 042.1875 | 0316.9 | 064.9 | 018.1 | 008.5737 | 0457.0 | 157.0 | 35.69 | |
| 169.0 | 042.1875 | 0321.7 | 065.3 | 017.8 | 008.5737 | 0457.7 | 156.1 | 35.89 | |
| 170.0 | 042.1875 | 0323.7 | 065.4 | 017.4 | 008.5737 | 0458.5 | 155.4 | 36.06 | |
| 171.0 | 042.1875 | 0324.6 | 065.5 | 017.1 | 008.5737 | 0459.4 | 154.9 | 36.20 | |
| 172.0 | 042.1875 | 0323.3 | 065.4 | 016.7 | 008.5737 | 0460.3 | 154.5 | 36.31 | |
| 173.0 | 042.1875 | 0325.4 | 065.5 | 016.3 | 008.5737 | 0460.9 | 153.8 | 36.46 | |
| 174.0 | 042.1875 | 0326.8 | 065.6 | 015.9 | 008.5737 | 0461.3 | 153.3 | 36.58 | |
| 175.0 | 042.1875 | 0331.7 | 066.0 | 015.6 | 008.5737 | 0461.4 | 152.6 | 36.75 | |
| 176.0 | 042.1875 | 0339.5 | 066.6 | 015.2 | 008.5737 | 0461.3 | 151.6 | 36.95 | |
| 177.0 | 042.1875 | 0348.0 | 067.2 | 014.9 | 008.5737 | 0461.0 | 150.7 | 37.15 | |

Exhibit 34.1

§73.215 Short-Spaced Contour Protection Studies Toward WXCC(FM) - Williamson, WV (Present Class C1 Facilities)

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 178.0 | 042.1875 | 0361.1 | 068.1 | 014.6 | 008.5737 | 0460.5 | 149.5 | 37.41 |
| 179.0 | 042.1875 | 0368.3 | 068.6 | 014.2 | 008.5737 | 0459.9 | 148.6 | 37.57 |
| 180.0 | 042.1875 | 0374.7 | 069.0 | 013.8 | 008.5737 | 0459.4 | 147.9 | 37.72 |
| 181.0 | 042.1875 | 0380.6 | 069.4 | 013.4 | 008.5737 | 0459.0 | 147.2 | 37.86 |
| 182.0 | 042.1875 | 0372.0 | 068.8 | 012.9 | 008.5737 | 0458.7 | 147.6 | 37.77 |
| 183.0 | 042.1875 | 0363.9 | 068.3 | 012.4 | 008.5737 | 0458.2 | 147.9 | 37.69 |
| 184.0 | 042.1875 | 0358.3 | 067.9 | 011.9 | 008.5737 | 0457.6 | 148.1 | 37.63 |
| 185.0 | 042.1875 | 0356.0 | 067.7 | 011.4 | 008.5737 | 0456.8 | 148.1 | 37.61 |
| 186.0 | 042.1875 | 0352.0 | 067.4 | 011.0 | 008.5737 | 0455.6 | 148.3 | 37.55 |
| 187.0 | 042.1875 | 0344.4 | 066.9 | 010.5 | 008.5737 | 0454.1 | 148.7 | 37.41 |
| 188.0 | 042.1875 | 0334.6 | 066.2 | 010.0 | 008.5737 | 0452.1 | 149.4 | 37.23 |
| 189.0 | 042.1875 | 0330.2 | 065.9 | 009.6 | 008.5737 | 0450.1 | 149.6 | 37.11 |
| 190.0 | 042.1875 | 0334.5 | 066.2 | 009.1 | 008.5737 | 0448.2 | 149.3 | 37.14 |
| 191.0 | 042.1875 | 0343.7 | 066.9 | 008.7 | 008.5737 | 0446.5 | 148.7 | 37.23 |
| 192.0 | 042.1875 | 0351.2 | 067.4 | 008.2 | 008.5737 | 0445.1 | 148.2 | 37.29 |
| 193.0 | 042.1875 | 0356.3 | 067.7 | 007.8 | 008.5737 | 0444.1 | 148.0 | 37.33 |
| 194.0 | 042.1875 | 0358.9 | 067.9 | 007.3 | 008.5737 | 0443.6 | 147.9 | 37.33 |
| 195.0 | 042.1875 | 0360.3 | 068.0 | 006.8 | 008.5737 | 0443.1 | 147.9 | 37.30 |
| 196.0 | 042.1875 | 0358.0 | 067.9 | 006.4 | 008.5737 | 0442.9 | 148.3 | 37.23 |
| 197.0 | 042.1875 | 0351.2 | 067.4 | 006.0 | 008.5737 | 0442.8 | 149.0 | 37.08 |
| 198.0 | 042.1875 | 0344.7 | 066.9 | 005.6 | 008.5737 | 0442.9 | 149.6 | 36.94 |
| 199.0 | 042.1875 | 0343.5 | 066.8 | 005.1 | 008.5737 | 0443.2 | 150.0 | 36.87 |
| 200.0 | 042.1875 | 0348.0 | 067.2 | 004.7 | 008.5737 | 0443.9 | 150.0 | 36.89 |
| 201.0 | 043.8919 | 0351.9 | 067.8 | 004.2 | 008.5737 | 0444.4 | 149.6 | 36.98 |
| 202.0 | 045.6300 | 0354.0 | 068.4 | 003.7 | 008.5737 | 0444.6 | 149.5 | 37.02 |
| 203.0 | 047.4019 | 0357.7 | 069.0 | 003.2 | 008.5737 | 0445.3 | 149.2 | 37.08 |
| 204.0 | 049.2075 | 0363.5 | 069.8 | 002.6 | 008.5737 | 0446.2 | 148.9 | 37.17 |
| 205.0 | 051.0469 | 0367.8 | 070.5 | 002.1 | 008.5737 | 0447.2 | 148.8 | 37.23 |
| 206.0 | 052.9200 | 0367.0 | 070.8 | 001.6 | 008.5737 | 0448.3 | 149.0 | 37.22 |
| 207.0 | 054.8269 | 0360.4 | 070.7 | 001.2 | 008.5737 | 0449.3 | 149.6 | 37.11 |
| 208.0 | 056.7675 | 0353.1 | 070.5 | 000.8 | 008.5737 | 0450.1 | 150.3 | 36.98 |
| 209.0 | 058.7419 | 0349.9 | 070.7 | 000.4 | 008.5737 | 0449.1 | 150.7 | 36.86 |
| 210.0 | 060.7500 | 0351.3 | 071.1 | 359.9 | 008.5852 | 0447.5 | 150.9 | 36.78 |
| 211.0 | 062.1075 | 0352.7 | 071.4 | 359.4 | 008.6276 | 0445.9 | 151.3 | 36.69 |
| 212.0 | 063.4800 | 0350.3 | 071.5 | 359.0 | 008.6647 | 0444.6 | 151.9 | 36.54 |
| 213.0 | 064.8675 | 0345.0 | 071.3 | 358.6 | 008.6973 | 0443.4 | 152.7 | 36.36 |
| 214.0 | 066.2700 | 0342.2 | 071.3 | 358.3 | 008.7323 | 0442.1 | 153.4 | 36.20 |
| 215.0 | 067.6875 | 0345.1 | 071.8 | 357.8 | 008.7751 | 0440.7 | 153.8 | 36.10 |
| 216.0 | 069.1200 | 0349.5 | 072.3 | 357.3 | 008.8200 | 0440.1 | 154.2 | 36.04 |
| 217.0 | 070.5675 | 0350.4 | 072.6 | 356.9 | 008.8592 | 0440.9 | 154.8 | 35.95 |
| 218.0 | 072.0300 | 0350.3 | 072.8 | 356.5 | 008.8963 | 0442.0 | 155.4 | 35.85 |
| 219.0 | 073.5075 | 0352.3 | 073.1 | 356.0 | 008.9363 | 0443.3 | 156.0 | 35.77 |
| 220.0 | 075.0000 | 0355.9 | 073.6 | 355.6 | 008.9785 | 0444.6 | 156.6 | 35.71 |
| 221.0 | 075.0000 | 0358.9 | 073.8 | 355.2 | 009.0144 | 0445.6 | 157.3 | 35.59 |
| 222.0 | 075.0000 | 0362.1 | 074.0 | 354.8 | 009.0502 | 0446.9 | 158.1 | 35.47 |

Exhibit 34.2

§73.215 Short-Spaced Contour Protection Studies Toward WJBZ-FM - Seymour, TN (Max Class A Facilities)

FMCommander Single Allocation Study - 12-18-2013 - NGDC 30 SEC
WOXL-FM.P's Overlaps (In= 10.17 km, Out= 4.54 km)

WOXL-FM.P CH 243 C2 73.215 Z
Lat= 35 36 04.0, Lng= 82 39 07.0
9.5 kW 350.3 M HAAT, 1064 M COR
Prot.= 60 dBu, Intef.= 54 dBu

WJBZ-FM^ CH 242 A BLH19950320KB
Lat= 35 56 17.0, Lng= 83 42 11.0
Max Cls: 6.0 kW 100 M HAAT, 405 M COR
Prot.= 60 dBu, Intef.= 54 dBu

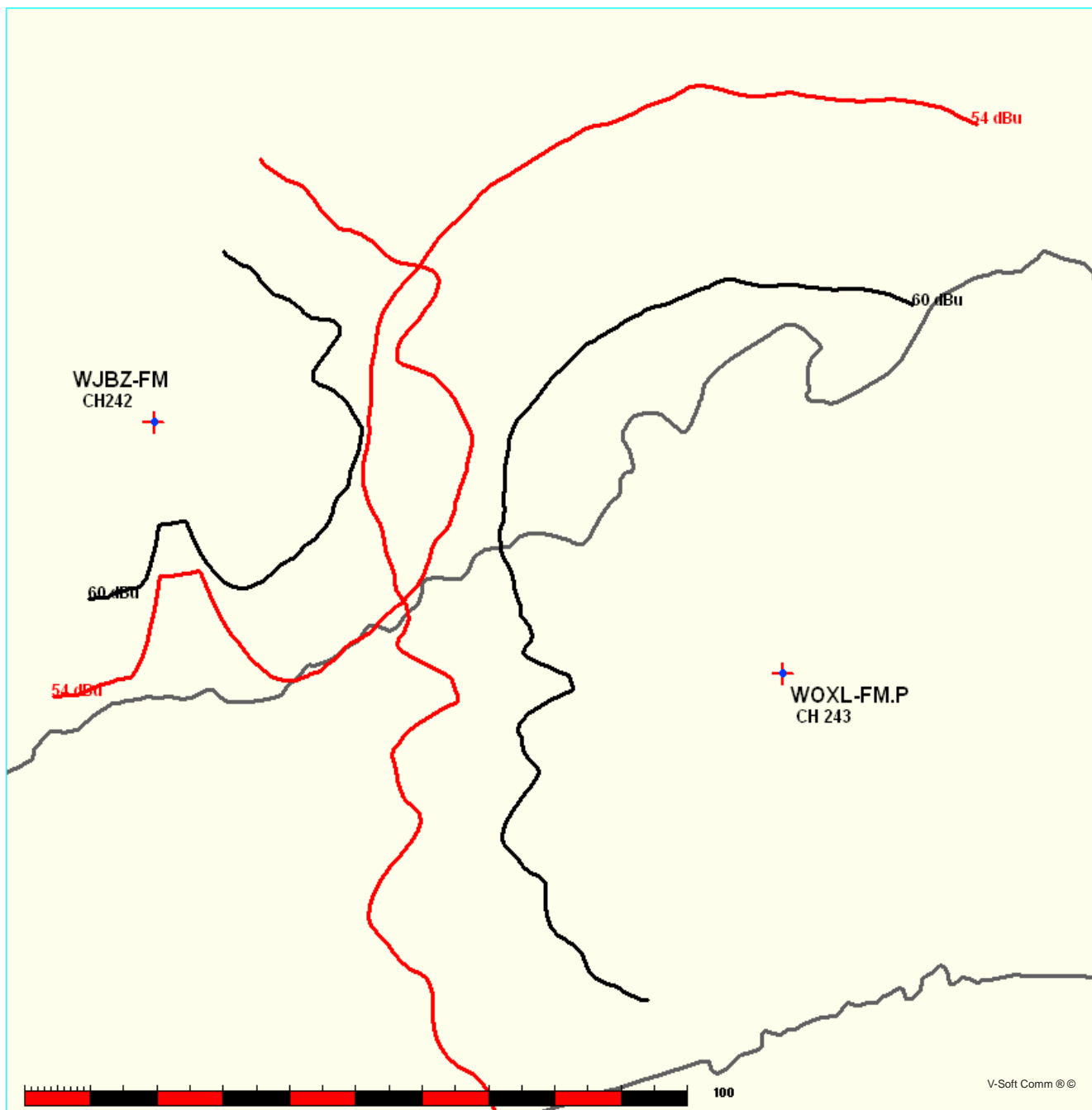


Exhibit 34.2

§73.215 Short-Spaced Contour Protection Studies Toward WJBZ-FM - Seymour, TN (Max Class A Facilities)

12-18-2013

Terrain Data: NGDC 30 SEC

FMOver Analysis

WOXL-FM.P

Channel = 243C2
Max ERP = 9.5 kW
RCAMSL = 1064 M
N. Lat. 35 36 04.0
W. Lng. 82 39 07.0
Protected
60 dBu

WJBZ-FM BLH19950320KB
(^ Max Class Parameters)
Channel = 242A
Max ERP = 6 kW
RCAMSL = 405 M
N. Lat. 35 56 17.0
W. Lng. 83 42 11.0
Interfering
54 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 250.0 | 009.5000 | 0170.5 | 040.1 | 131.6 | 006.0000 | 0108.8 | 076.9 | 43.18 | |
| 251.0 | 009.5000 | 0174.9 | 040.6 | 131.7 | 006.0000 | 0108.8 | 076.1 | 43.42 | |
| 252.0 | 009.5000 | 0178.6 | 040.9 | 131.6 | 006.0000 | 0108.8 | 075.3 | 43.65 | |
| 253.0 | 009.5000 | 0180.2 | 041.0 | 131.5 | 006.0000 | 0108.8 | 074.6 | 43.85 | |
| 254.0 | 009.5000 | 0180.7 | 041.1 | 131.2 | 006.0000 | 0108.7 | 073.9 | 44.03 | |
| 255.0 | 009.5000 | 0180.0 | 041.0 | 130.8 | 006.0000 | 0108.7 | 073.4 | 44.20 | |
| 256.0 | 009.5000 | 0178.1 | 040.9 | 130.4 | 006.0000 | 0108.7 | 072.9 | 44.35 | |
| 257.0 | 009.5000 | 0179.0 | 040.9 | 130.1 | 006.0000 | 0108.8 | 072.3 | 44.54 | |
| 258.0 | 009.5000 | 0180.5 | 041.1 | 129.9 | 006.0000 | 0108.9 | 071.6 | 44.74 | |
| 259.0 | 009.5000 | 0176.8 | 040.7 | 129.3 | 006.0000 | 0109.4 | 071.2 | 44.87 | |
| 260.0 | 009.5000 | 0167.4 | 039.8 | 128.4 | 006.0000 | 0110.5 | 071.3 | 44.91 | |
| 261.0 | 009.5000 | 0158.0 | 038.8 | 127.4 | 006.0000 | 0111.9 | 071.5 | 44.93 | |
| 262.0 | 009.5000 | 0145.8 | 037.3 | 126.2 | 006.0000 | 0113.0 | 072.0 | 44.83 | |
| 263.0 | 009.5000 | 0131.0 | 035.6 | 124.9 | 006.0000 | 0113.9 | 072.8 | 44.63 | |
| 264.0 | 009.5000 | 0115.4 | 033.7 | 123.6 | 006.0000 | 0114.9 | 073.8 | 44.38 | |
| 265.0 | 009.5000 | 0103.0 | 031.9 | 122.4 | 006.0000 | 0115.8 | 074.9 | 44.13 | |
| 266.0 | 009.5000 | 0102.7 | 031.9 | 122.0 | 006.0000 | 0116.1 | 074.6 | 44.23 | |
| 267.0 | 009.5000 | 0104.2 | 032.1 | 121.8 | 006.0000 | 0116.2 | 074.1 | 44.39 | |
| 268.0 | 009.5000 | 0105.0 | 032.2 | 121.5 | 006.0000 | 0116.3 | 073.6 | 44.52 | |
| 269.0 | 009.5000 | 0106.8 | 032.5 | 121.2 | 006.0000 | 0116.4 | 073.1 | 44.69 | |
| 270.0 | 009.5000 | 0115.5 | 033.7 | 121.3 | 006.0000 | 0116.4 | 071.8 | 45.08 | |
| 271.0 | 009.5000 | 0129.3 | 035.4 | 121.6 | 006.0000 | 0116.3 | 070.0 | 45.60 | |
| 272.0 | 009.5000 | 0143.2 | 037.0 | 121.9 | 006.0000 | 0116.2 | 068.3 | 46.13 | |
| 273.0 | 009.5000 | 0157.1 | 038.7 | 122.1 | 006.0000 | 0116.0 | 066.6 | 46.67 | |
| 274.0 | 009.5000 | 0164.1 | 039.5 | 121.9 | 006.0000 | 0116.1 | 065.5 | 47.00 | |
| 275.0 | 009.5000 | 0163.0 | 039.3 | 121.3 | 006.0000 | 0116.4 | 065.3 | 47.08 | |
| 276.0 | 009.5000 | 0158.5 | 038.8 | 120.6 | 006.0000 | 0116.3 | 065.5 | 47.02 | |
| 277.0 | 009.5000 | 0155.8 | 038.5 | 119.9 | 006.0000 | 0116.1 | 065.5 | 47.01 | |
| 278.0 | 009.5000 | 0154.1 | 038.3 | 119.3 | 006.0000 | 0115.7 | 065.4 | 47.01 | |
| 279.0 | 009.5000 | 0156.7 | 038.6 | 118.9 | 006.0000 | 0115.3 | 064.9 | 47.16 | |
| 280.0 | 009.5000 | 0159.2 | 038.9 | 118.4 | 006.0000 | 0115.0 | 064.4 | 47.30 | |
| 281.0 | 009.2171 | 0168.8 | 039.7 | 118.0 | 006.0000 | 0114.7 | 063.4 | 47.60 | |
| 282.0 | 008.9386 | 0179.7 | 040.5 | 117.6 | 006.0000 | 0114.5 | 062.4 | 47.91 | |

Exhibit 34.2

§73.215 Short-Spaced Contour Protection Studies Toward WJBZ-FM - Seymour, TN (Max Class A Facilities)

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 283.0 | 008.6642 | 0186.4 | 040.8 | 117.1 | 006.0000 | 0114.2 | 062.0 | 48.05 |
| 284.0 | 008.3942 | 0192.4 | 041.0 | 116.5 | 006.0000 | 0113.8 | 061.6 | 48.16 |
| 285.0 | 008.1284 | 0200.9 | 041.4 | 115.9 | 006.0000 | 0113.4 | 061.1 | 48.32 |
| 286.0 | 007.8670 | 0211.5 | 041.9 | 115.3 | 006.0000 | 0113.0 | 060.4 | 48.53 |
| 287.0 | 007.6097 | 0222.4 | 042.4 | 114.7 | 006.0000 | 0112.6 | 059.8 | 48.73 |
| 288.0 | 007.3568 | 0232.0 | 042.8 | 114.0 | 006.0000 | 0112.4 | 059.3 | 48.89 |
| 289.0 | 007.1081 | 0241.4 | 043.2 | 113.4 | 006.0000 | 0112.4 | 058.9 | 49.05 |
| 290.0 | 006.8638 | 0254.6 | 043.7 | 112.6 | 006.0000 | 0113.0 | 058.3 | 49.31 |
| 291.0 | 006.8638 | 0269.6 | 044.7 | 111.9 | 006.0000 | 0114.1 | 057.3 | 49.75 |
| 292.0 | 006.8638 | 0283.0 | 045.6 | 111.1 | 006.0000 | 0115.6 | 056.4 | 50.17 |
| 293.0 | 006.8638 | 0292.9 | 046.2 | 110.3 | 006.0000 | 0117.3 | 055.8 | 50.51 |
| 294.0 | 006.8638 | 0301.1 | 046.7 | 109.4 | 006.0000 | 0118.6 | 055.3 | 50.76 |
| 295.0 | 006.8638 | 0308.8 | 047.2 | 108.6 | 006.0000 | 0119.1 | 054.9 | 50.95 |
| 296.0 | 006.8638 | 0314.1 | 047.5 | 107.7 | 006.0000 | 0119.1 | 054.6 | 51.04 |
| 297.0 | 006.8638 | 0316.7 | 047.7 | 106.8 | 006.0000 | 0118.9 | 054.6 | 51.05 |
| 298.0 | 006.8638 | 0318.9 | 047.8 | 105.9 | 006.0000 | 0118.6 | 054.6 | 51.03 |
| 299.0 | 006.8638 | 0324.1 | 048.2 | 104.9 | 006.0000 | 0118.3 | 054.5 | 51.07 |
| 300.0 | 006.8638 | 0330.1 | 048.6 | 104.0 | 006.0000 | 0118.4 | 054.3 | 51.14 |
| 301.0 | 007.1081 | 0334.2 | 049.2 | 102.9 | 006.0000 | 0119.0 | 054.0 | 51.30 |
| 302.0 | 007.3568 | 0336.6 | 049.6 | 101.9 | 006.0000 | 0119.8 | 053.8 | 51.41 |
| 303.0 | 007.6097 | 0337.9 | 050.0 | 100.9 | 006.0000 | 0120.6 | 053.7 | 51.48 |
| 304.0 | 007.8670 | 0342.2 | 050.6 | 099.8 | 006.0000 | 0121.7 | 053.5 | 51.62 |
| 305.0 | 008.1284 | 0347.7 | 051.3 | 098.6 | 006.0000 | 0122.5 | 053.3 | 51.75 |
| 306.0 | 008.3942 | 0351.8 | 051.8 | 097.5 | 006.0000 | 0122.9 | 053.2 | 51.81 |
| 307.0 | 008.6642 | 0355.2 | 052.3 | 096.4 | 006.0000 | 0123.5 | 053.2 | 51.84 |
| 308.0 | 008.9386 | 0357.9 | 052.8 | 095.3 | 006.0000 | 0123.6 | 053.3 | 51.81 |
| 309.0 | 009.2171 | 0361.4 | 053.3 | 094.1 | 006.0000 | 0124.3 | 053.4 | 51.82 |
| 310.0 | 009.5000 | 0366.7 | 053.9 | 093.0 | 006.0000 | 0124.8 | 053.4 | 51.82 |
| 311.0 | 009.5000 | 0372.8 | 054.2 | 091.9 | 006.0000 | 0123.3 | 053.7 | 51.63 |
| 312.0 | 009.5000 | 0378.4 | 054.6 | 090.9 | 006.0000 | 0120.4 | 054.1 | 51.33 |
| 313.0 | 009.5000 | 0381.9 | 054.8 | 090.0 | 006.0000 | 0117.8 | 054.6 | 51.00 |
| 314.0 | 009.5000 | 0383.8 | 054.9 | 089.2 | 006.0000 | 0115.4 | 055.1 | 50.64 |
| 315.0 | 009.5000 | 0384.4 | 054.9 | 088.5 | 006.0000 | 0113.3 | 055.8 | 50.26 |
| 316.0 | 009.5000 | 0384.7 | 054.9 | 087.8 | 006.0000 | 0111.9 | 056.5 | 49.91 |
| 317.0 | 009.5000 | 0385.5 | 055.0 | 087.2 | 006.0000 | 0110.5 | 057.2 | 49.56 |
| 318.0 | 009.5000 | 0387.4 | 055.1 | 086.5 | 006.0000 | 0109.2 | 057.8 | 49.24 |
| 319.0 | 009.5000 | 0390.9 | 055.3 | 085.7 | 006.0000 | 0107.5 | 058.5 | 48.89 |
| 320.0 | 009.5000 | 0395.1 | 055.5 | 085.0 | 006.0000 | 0105.5 | 059.1 | 48.53 |
| 321.0 | 009.5000 | 0399.4 | 055.7 | 084.3 | 006.0000 | 0103.5 | 059.8 | 48.17 |
| 322.0 | 009.5000 | 0402.6 | 055.9 | 083.6 | 006.0000 | 0101.6 | 060.5 | 47.79 |
| 323.0 | 009.5000 | 0404.5 | 056.0 | 083.0 | 006.0000 | 0099.8 | 061.3 | 47.41 |
| 324.0 | 009.5000 | 0405.3 | 056.1 | 082.6 | 006.0000 | 0098.4 | 062.1 | 47.04 |
| 325.0 | 009.5000 | 0407.1 | 056.2 | 082.0 | 006.0000 | 0097.0 | 062.9 | 46.68 |
| 326.0 | 009.5000 | 0410.8 | 056.4 | 081.5 | 006.0000 | 0095.4 | 063.7 | 46.34 |
| 327.0 | 009.5000 | 0415.3 | 056.6 | 080.9 | 006.0000 | 0093.5 | 064.5 | 45.98 |
| 328.0 | 009.5000 | 0418.8 | 056.8 | 080.4 | 006.0000 | 0091.3 | 065.3 | 45.59 |

Exhibit 34.2

§73.215 Short-Spaced Contour Protection Studies Toward WJBZ-FM - Seymour, TN (Max Class A Facilities)

12-18-2013

Terrain Data: NGDC 30 SEC

FMOver Analysis

WJBZ-FM BLH19950320KB
(^ Max Class Parameters)

Channel = 242A

Max ERP = 6 kW

RCAMSL = 405 M

N. Lat. 35 56 17.0

W. Lng. 83 42 11.0

Protected

60 dBu

WOXL-FM.P

Channel = 243C2

Max ERP = 9.5 kW

RCAMSL = 1064 M

N. Lat. 35 36 04.0

W. Lng. 82 39 07.0

Interfering

54 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 066.0 | 006.0000 | 0112.3 | 029.9 | 306.5 | 008.5412 | 0353.9 | 083.7 | 51.76 | |
| 067.0 | 006.0000 | 0106.1 | 029.1 | 305.9 | 008.3702 | 0351.5 | 083.6 | 51.61 | |
| 068.0 | 006.0000 | 0100.0 | 028.3 | 305.3 | 008.2006 | 0349.1 | 083.6 | 51.44 | |
| 069.0 | 006.0000 | 0094.3 | 027.5 | 304.6 | 008.0352 | 0345.5 | 083.7 | 51.23 | |
| 070.0 | 006.0000 | 0088.6 | 026.7 | 304.0 | 007.8703 | 0342.3 | 083.7 | 51.00 | |
| 071.0 | 006.0000 | 0083.4 | 026.0 | 303.4 | 007.7159 | 0339.5 | 083.8 | 50.80 | |
| 072.0 | 006.0000 | 0079.3 | 025.4 | 302.9 | 007.5855 | 0337.6 | 083.8 | 50.65 | |
| 073.0 | 006.0000 | 0076.7 | 025.0 | 302.5 | 007.4836 | 0336.9 | 083.8 | 50.60 | |
| 074.0 | 006.0000 | 0075.0 | 024.7 | 302.2 | 007.4025 | 0336.8 | 083.6 | 50.60 | |
| 075.0 | 006.0000 | 0074.2 | 024.6 | 301.9 | 007.3353 | 0336.5 | 083.4 | 50.63 | |
| 076.0 | 006.0000 | 0074.0 | 024.6 | 301.7 | 007.2810 | 0336.1 | 083.1 | 50.68 | |
| 077.0 | 006.0000 | 0075.5 | 024.8 | 301.6 | 007.2558 | 0335.8 | 082.6 | 50.81 | |
| 078.0 | 006.0000 | 0079.1 | 025.3 | 301.6 | 007.2630 | 0335.9 | 081.9 | 51.04 | |
| 079.0 | 006.0000 | 0083.8 | 026.0 | 301.7 | 007.2866 | 0336.1 | 081.1 | 51.33 | |
| 080.0 | 006.0000 | 0089.2 | 026.8 | 301.8 | 007.3182 | 0336.4 | 080.2 | 51.65 | |
| 081.0 | 006.0000 | 0093.9 | 027.5 | 301.9 | 007.3311 | 0336.5 | 079.4 | 51.93 | |
| 082.0 | 006.0000 | 0096.8 | 027.9 | 301.8 | 007.3101 | 0336.3 | 078.8 | 52.13 | |
| 083.0 | 006.0000 | 0099.7 | 028.3 | 301.7 | 007.2846 | 0336.1 | 078.2 | 52.31 | |
| 084.0 | 006.0000 | 0102.8 | 028.7 | 301.6 | 007.2580 | 0335.8 | 077.6 | 52.50 | |
| 085.0 | 006.0000 | 0105.6 | 029.0 | 301.5 | 007.2221 | 0335.5 | 077.0 | 52.67 | |
| 086.0 | 006.0000 | 0108.2 | 029.4 | 301.3 | 007.1806 | 0335.2 | 076.4 | 52.82 | |
| 087.0 | 006.0000 | 0110.2 | 029.6 | 301.1 | 007.1272 | 0334.5 | 075.9 | 52.94 | |
| 088.0 | 006.0000 | 0112.2 | 029.8 | 300.8 | 007.0703 | 0333.7 | 075.5 | 53.05 | |
| 089.0 | 006.0000 | 0114.8 | 030.1 | 300.6 | 007.0165 | 0333.0 | 074.9 | 53.17 | |
| 090.0 | 006.0000 | 0117.7 | 030.5 | 300.4 | 006.9621 | 0331.9 | 074.4 | 53.30 | |
| 091.0 | 006.0000 | 0120.6 | 030.8 | 300.2 | 006.9035 | 0330.9 | 073.8 | 53.41 | |
| 092.0 | 006.0000 | 0123.5 | 031.1 | 299.9 | 006.8638 | 0329.6 | 073.3 | 53.53 | |
| 093.0 | 006.0000 | 0124.8 | 031.2 | 299.6 | 006.8638 | 0327.6 | 072.9 | 53.59 | |
| 094.0 | 006.0000 | 0124.4 | 031.2 | 299.2 | 006.8638 | 0325.2 | 072.7 | 53.58 | |
| 095.0 | 006.0000 | 0123.8 | 031.1 | 298.8 | 006.8638 | 0322.4 | 072.6 | 53.54 | |
| 096.0 | 006.0000 | 0123.5 | 031.1 | 298.4 | 006.8638 | 0320.2 | 072.4 | 53.52 | |
| 097.0 | 006.0000 | 0123.2 | 031.1 | 297.9 | 006.8638 | 0318.7 | 072.2 | 53.53 | |
| 098.0 | 006.0000 | 0122.7 | 031.0 | 297.5 | 006.8638 | 0317.6 | 072.1 | 53.54 | |

Exhibit 34.2

§73.215 Short-Spaced Contour Protection Studies Toward WJBZ-FM - Seymour, TN (Max Class A Facilities)

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 099.0 | 006.0000 | 0122.3 | 031.0 | 297.1 | 006.8638 | 0316.9 | 072.0 | 53.56 |
| 100.0 | 006.0000 | 0121.5 | 030.9 | 296.7 | 006.8638 | 0316.1 | 071.9 | 53.56 |
| 101.0 | 006.0000 | 0120.6 | 030.8 | 296.2 | 006.8638 | 0314.9 | 071.9 | 53.54 |
| 102.0 | 006.0000 | 0119.8 | 030.7 | 295.8 | 006.8638 | 0313.3 | 071.8 | 53.49 |
| 103.0 | 006.0000 | 0119.0 | 030.6 | 295.4 | 006.8638 | 0311.2 | 071.8 | 53.44 |
| 104.0 | 006.0000 | 0118.4 | 030.5 | 294.9 | 006.8638 | 0308.4 | 071.8 | 53.35 |
| 105.0 | 006.0000 | 0118.3 | 030.5 | 294.5 | 006.8638 | 0305.3 | 071.7 | 53.28 |
| 106.0 | 006.0000 | 0118.7 | 030.6 | 294.1 | 006.8638 | 0301.9 | 071.6 | 53.21 |
| 107.0 | 006.0000 | 0118.9 | 030.6 | 293.7 | 006.8638 | 0298.6 | 071.5 | 53.13 |
| 108.0 | 006.0000 | 0119.1 | 030.6 | 293.3 | 006.8638 | 0295.0 | 071.4 | 53.04 |
| 109.0 | 006.0000 | 0118.9 | 030.6 | 292.8 | 006.8638 | 0291.4 | 071.4 | 52.93 |
| 110.0 | 006.0000 | 0117.8 | 030.5 | 292.4 | 006.8638 | 0287.3 | 071.5 | 52.76 |
| 111.0 | 006.0000 | 0115.9 | 030.3 | 292.0 | 006.8638 | 0282.7 | 071.7 | 52.54 |
| 112.0 | 006.0000 | 0114.0 | 030.0 | 291.6 | 006.8638 | 0277.5 | 071.9 | 52.29 |
| 113.0 | 006.0000 | 0112.7 | 029.9 | 291.1 | 006.8638 | 0271.7 | 072.1 | 52.05 |
| 114.0 | 006.0000 | 0112.3 | 029.9 | 290.7 | 006.8638 | 0265.5 | 072.1 | 51.82 |
| 115.0 | 006.0000 | 0112.8 | 029.9 | 290.3 | 006.8638 | 0259.1 | 072.1 | 51.62 |
| 116.0 | 006.0000 | 0113.5 | 030.0 | 289.9 | 006.8901 | 0253.0 | 072.1 | 51.44 |
| 117.0 | 006.0000 | 0114.1 | 030.1 | 289.5 | 006.9927 | 0247.1 | 072.1 | 51.31 |
| 118.0 | 006.0000 | 0114.7 | 030.1 | 289.0 | 007.0960 | 0242.0 | 072.1 | 51.20 |
| 119.0 | 006.0000 | 0115.4 | 030.2 | 288.6 | 007.2006 | 0237.6 | 072.1 | 51.11 |
| 120.0 | 006.0000 | 0116.1 | 030.3 | 288.2 | 007.3060 | 0233.8 | 072.2 | 51.03 |
| 121.0 | 006.0000 | 0116.4 | 030.3 | 287.8 | 007.4102 | 0230.1 | 072.2 | 50.93 |
| 122.0 | 006.0000 | 0116.1 | 030.3 | 287.4 | 007.5107 | 0226.3 | 072.4 | 50.79 |
| 123.0 | 006.0000 | 0115.3 | 030.2 | 287.0 | 007.6080 | 0222.5 | 072.6 | 50.63 |
| 124.0 | 006.0000 | 0114.6 | 030.1 | 286.6 | 007.7038 | 0218.6 | 072.9 | 50.46 |
| 125.0 | 006.0000 | 0113.9 | 030.0 | 286.3 | 007.7992 | 0214.5 | 073.1 | 50.27 |
| 126.0 | 006.0000 | 0113.2 | 030.0 | 285.9 | 007.8934 | 0210.4 | 073.4 | 50.08 |
| 127.0 | 006.0000 | 0112.3 | 029.8 | 285.6 | 007.9838 | 0206.5 | 073.7 | 49.89 |
| 128.0 | 006.0000 | 0111.1 | 029.7 | 285.2 | 008.0701 | 0203.1 | 074.0 | 49.69 |
| 129.0 | 006.0000 | 0109.8 | 029.5 | 284.9 | 008.1529 | 0200.0 | 074.4 | 49.49 |
| 130.0 | 006.0000 | 0108.9 | 029.4 | 284.6 | 008.2380 | 0197.1 | 074.7 | 49.31 |
| 131.0 | 006.0000 | 0108.7 | 029.4 | 284.2 | 008.3292 | 0194.3 | 074.9 | 49.16 |
| 132.0 | 006.0000 | 0109.0 | 029.4 | 283.9 | 008.4251 | 0191.6 | 075.1 | 49.03 |
| 133.0 | 006.0000 | 0109.0 | 029.5 | 283.5 | 008.5175 | 0189.3 | 075.4 | 48.91 |
| 134.0 | 006.0000 | 0108.5 | 029.4 | 283.2 | 008.6019 | 0187.5 | 075.7 | 48.77 |
| 135.0 | 006.0000 | 0107.9 | 029.3 | 282.9 | 008.6820 | 0186.1 | 076.0 | 48.64 |
| 136.0 | 006.0000 | 0106.8 | 029.2 | 282.7 | 008.7546 | 0184.6 | 076.4 | 48.49 |
| 137.0 | 006.0000 | 0105.4 | 029.0 | 282.4 | 008.8192 | 0183.1 | 076.9 | 48.32 |
| 138.0 | 006.0000 | 0104.1 | 028.8 | 282.2 | 008.8840 | 0181.3 | 077.3 | 48.14 |
| 139.0 | 006.0000 | 0103.6 | 028.8 | 281.9 | 008.9578 | 0179.1 | 077.7 | 47.97 |
| 140.0 | 006.0000 | 0104.3 | 028.9 | 281.6 | 009.0501 | 0175.8 | 077.9 | 47.79 |
| 141.0 | 006.0000 | 0105.2 | 029.0 | 281.3 | 009.1448 | 0171.9 | 078.1 | 47.60 |
| 142.0 | 006.0000 | 0105.5 | 029.0 | 281.0 | 009.2271 | 0168.4 | 078.4 | 47.38 |
| 143.0 | 006.0000 | 0105.3 | 029.0 | 280.7 | 009.3014 | 0165.3 | 078.8 | 47.17 |

Exhibit 34.3

§73.215 Short-Spaced Contour Protection Studies Toward WRBN(FM).C - Clayton, GA (Present Class A Facilities)

FMCommander Single Allocation Study - 12-18-2013 - NGDC 30 SEC
WOXL-FM.P's Overlaps (In= 18.03 km, Out= 4.53 km)

WOXL-FM.P CH 243 C2 73.215 Z
Lat= 35 36 04.0, Lng= 82 39 07.0
9.5 kW 350.3 M HAAT, 1064 M COR
Prot.= 60 dBu, Intef.= 54 dBu

WRBN-C CH 242 A 73.215 Z BPH20120702ABA
Lat= 34 54 24.0, Lng= 83 24 56.0
0.37 kW 395 M HAAT, 1126 M COR
Prot.= 60 dBu, Intef.= 54 dBu

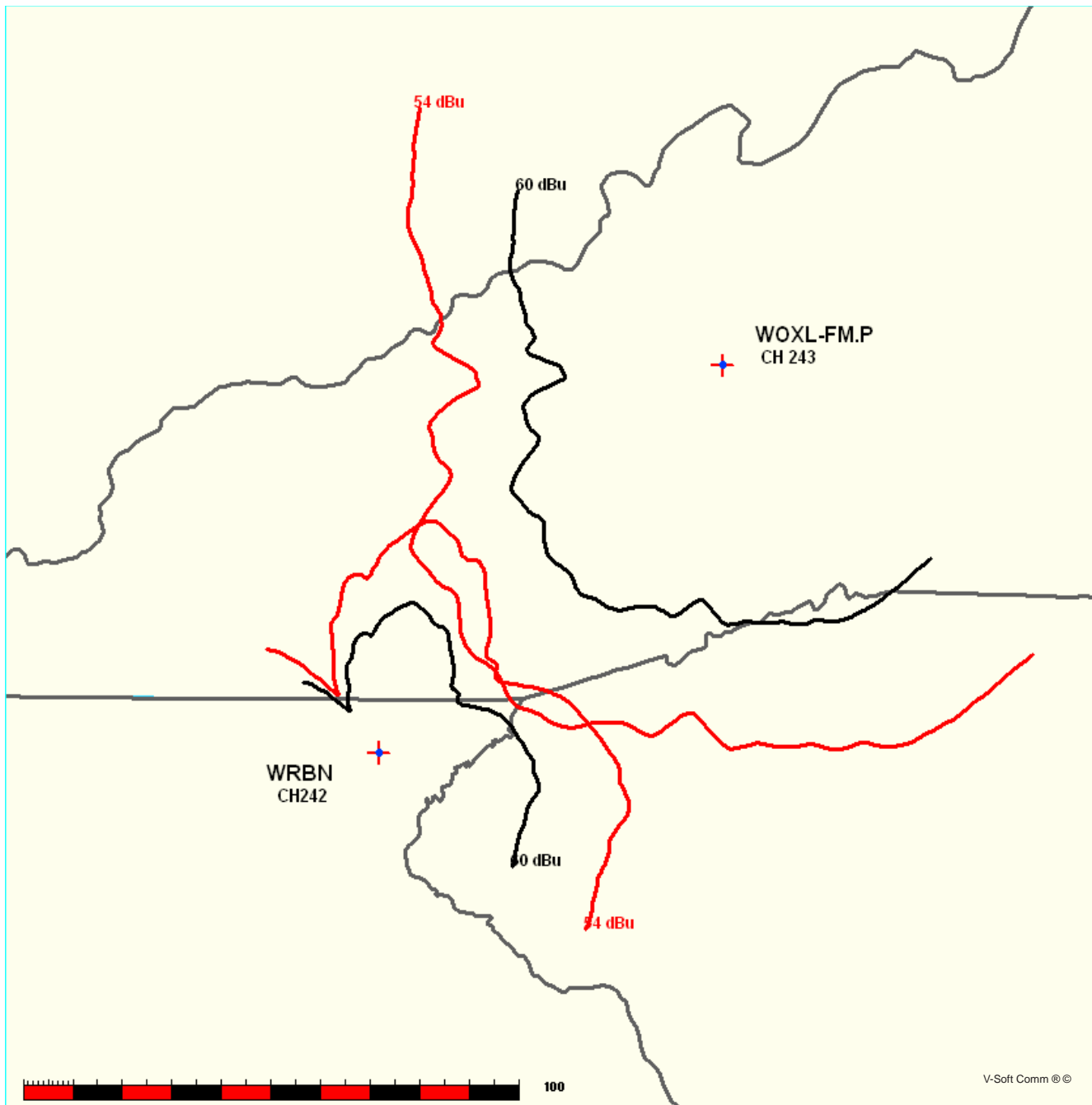


Exhibit 34.3

§73.215 Short-Spaced Contour Protection Studies Toward WRBN(FM).C - Clayton, GA (Present Class A Facilities)

12-18-2013

Terrain Data: NGDC 30 SEC

FMOver Analysis

WOXL-FM.P

WRBN BPH20120702ABA

Channel = 243C2
Max ERP = 9.5 kW
RCAMSL = 1064 M
N. Lat. 35 36 04.0
W. Lng. 82 39 07.0
Protected
60 dBu

Channel = 242A
Max ERP = 0.37 kW
RCAMSL = 1126 M
N. Lat. 34 54 24.0
W. Lng. 83 24 56.0
Interfering
54 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 181.0 | 009.5000 | 0316.0 | 050.7 | 068.6 | 000.3700 | 0263.7 | 073.6 | 38.59 | |
| 182.0 | 009.5000 | 0303.6 | 049.9 | 067.8 | 000.3700 | 0251.3 | 073.1 | 38.35 | |
| 183.0 | 009.5000 | 0288.6 | 048.8 | 066.8 | 000.3700 | 0236.0 | 072.7 | 37.96 | |
| 184.0 | 009.5000 | 0276.3 | 048.0 | 065.9 | 000.3700 | 0225.2 | 072.4 | 37.69 | |
| 185.0 | 009.5000 | 0264.4 | 047.2 | 065.0 | 000.3700 | 0215.4 | 072.0 | 37.43 | |
| 186.0 | 009.5000 | 0266.1 | 047.3 | 064.7 | 000.3700 | 0213.1 | 071.3 | 37.60 | |
| 187.0 | 009.5000 | 0274.2 | 047.9 | 064.8 | 000.3700 | 0213.5 | 070.3 | 37.95 | |
| 188.0 | 009.5000 | 0285.4 | 048.6 | 065.0 | 000.3700 | 0215.1 | 069.1 | 38.39 | |
| 189.0 | 009.5000 | 0298.6 | 049.5 | 065.2 | 000.3700 | 0217.5 | 067.9 | 38.89 | |
| 190.0 | 009.5000 | 0312.8 | 050.5 | 065.4 | 000.3700 | 0220.1 | 066.7 | 39.41 | |
| 191.0 | 009.5000 | 0323.8 | 051.2 | 065.5 | 000.3700 | 0221.0 | 065.5 | 39.84 | |
| 192.0 | 009.5000 | 0325.2 | 051.3 | 065.1 | 000.3700 | 0216.8 | 064.8 | 39.94 | |
| 193.0 | 009.5000 | 0321.4 | 051.0 | 064.5 | 000.3700 | 0210.7 | 064.2 | 39.89 | |
| 194.0 | 009.5000 | 0316.6 | 050.7 | 063.8 | 000.3700 | 0203.8 | 063.7 | 39.78 | |
| 195.0 | 009.5000 | 0313.7 | 050.5 | 063.1 | 000.3700 | 0196.9 | 063.2 | 39.69 | |
| 196.0 | 009.5000 | 0312.1 | 050.4 | 062.5 | 000.3700 | 0190.3 | 062.6 | 39.61 | |
| 197.0 | 009.5000 | 0314.5 | 050.6 | 062.0 | 000.3700 | 0185.4 | 061.8 | 39.67 | |
| 198.0 | 009.5000 | 0319.5 | 050.9 | 061.7 | 000.3700 | 0181.6 | 061.0 | 39.81 | |
| 199.0 | 009.5000 | 0324.0 | 051.2 | 061.2 | 000.3700 | 0177.9 | 060.2 | 39.94 | |
| 200.0 | 009.5000 | 0328.4 | 051.5 | 060.8 | 000.3700 | 0174.5 | 059.3 | 40.08 | |
| 201.0 | 009.5000 | 0335.9 | 052.0 | 060.4 | 000.3700 | 0172.2 | 058.4 | 40.33 | |
| 202.0 | 009.5000 | 0346.9 | 052.7 | 060.2 | 000.3700 | 0170.7 | 057.3 | 40.67 | |
| 203.0 | 009.5000 | 0356.3 | 053.3 | 059.8 | 000.3700 | 0168.9 | 056.2 | 40.97 | |
| 204.0 | 009.5000 | 0360.9 | 053.5 | 059.2 | 000.3700 | 0167.3 | 055.5 | 41.19 | |
| 205.0 | 009.5000 | 0362.8 | 053.7 | 058.5 | 000.3700 | 0166.4 | 054.8 | 41.38 | |
| 206.0 | 009.5000 | 0363.1 | 053.7 | 057.7 | 000.3700 | 0167.1 | 054.3 | 41.61 | |
| 207.0 | 009.5000 | 0361.5 | 053.6 | 056.8 | 000.3700 | 0170.4 | 053.9 | 41.93 | |
| 208.0 | 009.5000 | 0359.4 | 053.5 | 055.8 | 000.3700 | 0175.9 | 053.6 | 42.32 | |
| 209.0 | 009.5000 | 0360.7 | 053.5 | 055.0 | 000.3700 | 0181.8 | 053.1 | 42.79 | |
| 210.0 | 009.5000 | 0364.4 | 053.8 | 054.2 | 000.3700 | 0186.0 | 052.4 | 43.21 | |
| 211.0 | 009.5000 | 0367.6 | 053.9 | 053.3 | 000.3700 | 0187.4 | 051.9 | 43.49 | |
| 212.0 | 009.5000 | 0367.7 | 053.9 | 052.3 | 000.3700 | 0186.0 | 051.5 | 43.56 | |

Exhibit 34.3

§73.215 Short-Spaced Contour Protection Studies Toward WRBN(FM).C - Clayton, GA (Present Class A Facilities)

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 213.0 | 009.5000 | 0364.0 | 053.7 | 051.3 | 000.3700 | 0182.3 | 051.4 | 43.44 |
| 214.0 | 009.5000 | 0356.4 | 053.3 | 050.1 | 000.3700 | 0179.6 | 051.6 | 43.25 |
| 215.0 | 009.5000 | 0346.6 | 052.7 | 048.9 | 000.3700 | 0179.9 | 051.9 | 43.13 |
| 216.0 | 009.5000 | 0338.0 | 052.1 | 047.8 | 000.3700 | 0185.2 | 052.3 | 43.25 |
| 217.0 | 009.5000 | 0333.2 | 051.8 | 046.8 | 000.3700 | 0194.7 | 052.4 | 43.63 |
| 218.0 | 009.5000 | 0331.9 | 051.7 | 045.8 | 000.3700 | 0205.9 | 052.3 | 44.16 |
| 219.0 | 009.5000 | 0333.4 | 051.8 | 044.8 | 000.3700 | 0217.3 | 052.1 | 44.76 |
| 220.0 | 009.5000 | 0336.1 | 052.0 | 043.8 | 000.3700 | 0227.9 | 051.9 | 45.31 |
| 221.0 | 009.5000 | 0337.6 | 052.1 | 042.9 | 000.3700 | 0237.3 | 051.7 | 45.75 |
| 222.0 | 009.5000 | 0336.7 | 052.0 | 041.8 | 000.3700 | 0245.5 | 051.7 | 46.03 |
| 223.0 | 009.5000 | 0333.3 | 051.8 | 040.8 | 000.3700 | 0253.5 | 052.0 | 46.23 |
| 224.0 | 009.5000 | 0327.7 | 051.4 | 039.9 | 000.3700 | 0261.5 | 052.4 | 46.34 |
| 225.0 | 009.5000 | 0319.4 | 050.9 | 039.0 | 000.3700 | 0269.5 | 053.0 | 46.36 |
| 226.0 | 009.5000 | 0308.8 | 050.2 | 038.1 | 000.3700 | 0277.3 | 053.8 | 46.31 |
| 227.0 | 009.5000 | 0297.0 | 049.4 | 037.3 | 000.3700 | 0283.9 | 054.7 | 46.17 |
| 228.0 | 009.5000 | 0285.0 | 048.6 | 036.6 | 000.3700 | 0290.6 | 055.6 | 46.02 |
| 229.0 | 009.5000 | 0276.5 | 048.0 | 035.9 | 000.3700 | 0297.3 | 056.4 | 45.94 |
| 230.0 | 009.5000 | 0274.5 | 047.9 | 035.1 | 000.3700 | 0305.3 | 056.7 | 46.08 |
| 231.0 | 009.5000 | 0278.6 | 048.2 | 034.2 | 000.3700 | 0316.3 | 056.7 | 46.46 |
| 232.0 | 009.5000 | 0284.6 | 048.6 | 033.2 | 000.3700 | 0329.4 | 056.5 | 46.96 |
| 233.0 | 009.5000 | 0288.5 | 048.8 | 032.3 | 000.3700 | 0342.6 | 056.5 | 47.39 |
| 234.0 | 009.5000 | 0290.5 | 049.0 | 031.5 | 000.3700 | 0354.5 | 056.7 | 47.70 |
| 235.0 | 009.5000 | 0291.2 | 049.0 | 030.7 | 000.3700 | 0364.9 | 057.0 | 47.92 |
| 236.0 | 009.5000 | 0291.6 | 049.1 | 029.9 | 000.3700 | 0373.8 | 057.4 | 48.05 |
| 237.0 | 009.5000 | 0293.5 | 049.2 | 029.1 | 000.3700 | 0381.5 | 057.6 | 48.16 |
| 238.0 | 009.5000 | 0296.3 | 049.4 | 028.2 | 000.3700 | 0386.8 | 057.9 | 48.21 |
| 239.0 | 009.5000 | 0298.2 | 049.5 | 027.4 | 000.3700 | 0388.0 | 058.2 | 48.12 |
| 240.0 | 009.5000 | 0294.8 | 049.3 | 026.8 | 000.3700 | 0386.5 | 058.8 | 47.84 |
| 241.0 | 009.5000 | 0284.7 | 048.6 | 026.5 | 000.3700 | 0385.0 | 059.9 | 47.41 |
| 242.0 | 009.5000 | 0269.8 | 047.5 | 026.4 | 000.3700 | 0384.5 | 061.2 | 46.91 |
| 243.0 | 009.5000 | 0250.6 | 046.2 | 026.5 | 000.3700 | 0385.0 | 062.8 | 46.36 |
| 244.0 | 009.5000 | 0229.5 | 044.8 | 026.7 | 000.3700 | 0385.9 | 064.4 | 45.80 |
| 245.0 | 009.5000 | 0208.4 | 043.3 | 027.0 | 000.3700 | 0387.0 | 066.1 | 45.24 |
| 246.0 | 009.5000 | 0189.6 | 041.8 | 027.2 | 000.3700 | 0387.7 | 067.7 | 44.70 |
| 247.0 | 009.5000 | 0176.5 | 040.7 | 027.3 | 000.3700 | 0387.9 | 069.0 | 44.25 |
| 248.0 | 009.5000 | 0169.9 | 040.1 | 027.2 | 000.3700 | 0387.7 | 069.9 | 43.91 |
| 249.0 | 009.5000 | 0168.2 | 039.9 | 026.9 | 000.3700 | 0386.7 | 070.5 | 43.68 |
| 250.0 | 009.5000 | 0170.5 | 040.1 | 026.4 | 000.3700 | 0384.3 | 070.8 | 43.51 |
| 251.0 | 009.5000 | 0174.9 | 040.6 | 025.7 | 000.3700 | 0380.6 | 071.0 | 43.34 |
| 252.0 | 009.5000 | 0178.6 | 040.9 | 025.1 | 000.3700 | 0377.9 | 071.3 | 43.17 |
| 253.0 | 009.5000 | 0180.2 | 041.0 | 024.6 | 000.3700 | 0377.0 | 071.7 | 42.99 |
| 254.0 | 009.5000 | 0180.7 | 041.1 | 024.2 | 000.3700 | 0377.1 | 072.2 | 42.81 |
| 255.0 | 009.5000 | 0180.0 | 041.0 | 023.9 | 000.3700 | 0378.0 | 072.8 | 42.63 |
| 256.0 | 009.5000 | 0178.1 | 040.9 | 023.6 | 000.3700 | 0378.9 | 073.5 | 42.43 |
| 257.0 | 009.5000 | 0179.0 | 040.9 | 023.3 | 000.3700 | 0381.4 | 074.0 | 42.33 |
| 258.0 | 009.5000 | 0180.5 | 041.1 | 022.9 | 000.3700 | 0385.2 | 074.5 | 42.27 |

Exhibit 34.3

§73.215 Short-Spaced Contour Protection Studies Toward WRBN(FM).C - Clayton, GA (Present Class A Facilities)

12-18-2013

Terrain Data: NGDC 30 SEC

FMOver Analysis

WRBN BPH20120702ABA

WOXL-FM.P

Channel = 242A

Max ERP = 0.37 kW

RCAMSL = 1126 M

N. Lat. 34 54 24.0

W. Lng. 83 24 56.0

Protected

60 dBu

Channel = 243C2

Max ERP = 9.5 kW

RCAMSL = 1064 M

N. Lat. 35 36 04.0

W. Lng. 82 39 07.0

Interfering

54 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 357.0 | 000.3700 | 0267.0 | 023.4 | 232.8 | 009.5000 | 0287.9 | 088.7 | 48.52 | |
| 358.0 | 000.3700 | 0285.2 | 024.2 | 233.1 | 009.5000 | 0288.8 | 087.9 | 48.79 | |
| 359.0 | 000.3700 | 0303.4 | 024.9 | 233.3 | 009.5000 | 0289.3 | 087.1 | 49.05 | |
| 000.0 | 000.3700 | 0320.8 | 025.6 | 233.5 | 009.5000 | 0289.7 | 086.4 | 49.30 | |
| 001.0 | 000.3700 | 0335.7 | 026.1 | 233.6 | 009.5000 | 0290.0 | 085.7 | 49.53 | |
| 002.0 | 000.3700 | 0350.6 | 026.7 | 233.7 | 009.5000 | 0290.2 | 085.0 | 49.77 | |
| 003.0 | 000.3700 | 0360.0 | 027.1 | 233.7 | 009.5000 | 0290.1 | 084.4 | 49.95 | |
| 004.0 | 000.3700 | 0367.5 | 027.3 | 233.6 | 009.5000 | 0290.0 | 083.8 | 50.12 | |
| 005.0 | 000.3700 | 0373.3 | 027.5 | 233.5 | 009.5000 | 0289.8 | 083.3 | 50.28 | |
| 006.0 | 000.3700 | 0385.4 | 027.9 | 233.5 | 009.5000 | 0289.8 | 082.7 | 50.48 | |
| 007.0 | 000.3700 | 0401.1 | 028.4 | 233.5 | 009.5000 | 0289.8 | 082.0 | 50.71 | |
| 008.0 | 000.3700 | 0413.4 | 028.9 | 233.5 | 009.5000 | 0289.7 | 081.4 | 50.91 | |
| 009.0 | 000.3700 | 0423.3 | 029.2 | 233.4 | 009.5000 | 0289.5 | 080.8 | 51.10 | |
| 010.0 | 000.3700 | 0433.8 | 029.5 | 233.3 | 009.5000 | 0289.3 | 080.2 | 51.29 | |
| 011.0 | 000.3700 | 0445.4 | 029.9 | 233.2 | 009.5000 | 0289.2 | 079.5 | 51.50 | |
| 012.0 | 000.3700 | 0453.5 | 030.2 | 233.1 | 009.5000 | 0288.8 | 078.9 | 51.67 | |
| 013.0 | 000.3700 | 0457.1 | 030.3 | 232.8 | 009.5000 | 0287.9 | 078.5 | 51.79 | |
| 014.0 | 000.3700 | 0457.7 | 030.4 | 232.5 | 009.5000 | 0286.8 | 078.2 | 51.87 | |
| 015.0 | 000.3700 | 0454.7 | 030.3 | 232.2 | 009.5000 | 0285.4 | 077.9 | 51.91 | |
| 016.0 | 000.3700 | 0448.3 | 030.0 | 231.8 | 009.5000 | 0283.3 | 077.8 | 51.88 | |
| 017.0 | 000.3700 | 0438.9 | 029.7 | 231.3 | 009.5000 | 0280.4 | 077.8 | 51.80 | |
| 018.0 | 000.3700 | 0431.7 | 029.5 | 230.9 | 009.5000 | 0278.1 | 077.7 | 51.76 | |
| 019.0 | 000.3700 | 0427.6 | 029.3 | 230.5 | 009.5000 | 0276.3 | 077.5 | 51.75 | |
| 020.0 | 000.3700 | 0422.0 | 029.1 | 230.1 | 009.5000 | 0274.8 | 077.4 | 51.74 | |
| 021.0 | 000.3700 | 0410.9 | 028.8 | 229.7 | 009.5000 | 0274.4 | 077.5 | 51.70 | |
| 022.0 | 000.3700 | 0396.4 | 028.3 | 229.2 | 009.5000 | 0275.6 | 077.7 | 51.68 | |
| 023.0 | 000.3700 | 0383.8 | 027.9 | 228.7 | 009.5000 | 0278.0 | 077.9 | 51.70 | |
| 024.0 | 000.3700 | 0377.6 | 027.7 | 228.3 | 009.5000 | 0281.5 | 077.9 | 51.81 | |
| 025.0 | 000.3700 | 0377.7 | 027.7 | 228.0 | 009.5000 | 0284.8 | 077.7 | 51.98 | |
| 026.0 | 000.3700 | 0382.2 | 027.8 | 227.7 | 009.5000 | 0287.9 | 077.3 | 52.18 | |
| 027.0 | 000.3700 | 0387.0 | 028.0 | 227.4 | 009.5000 | 0291.5 | 077.0 | 52.40 | |
| 028.0 | 000.3700 | 0387.5 | 028.0 | 227.1 | 009.5000 | 0295.8 | 076.8 | 52.59 | |
| 029.0 | 000.3700 | 0381.9 | 027.8 | 226.7 | 009.5000 | 0300.7 | 076.9 | 52.74 | |

MUNN-REESE, INC.

Broadcast Engineering Consultants
COLDWATER, MI 49036

Exhibit 34.3

§73.215 Short-Spaced Contour Protection Studies Toward WRBN(FM).C - Clayton, GA (Present Class A Facilities)

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 030.0 | 000.3700 | 0372.5 | 027.5 | 226.3 | 009.5000 | 0305.4 | 077.0 | 52.84 |
| 031.0 | 000.3700 | 0360.8 | 027.1 | 225.9 | 009.5000 | 0310.3 | 077.3 | 52.91 |
| 032.0 | 000.3700 | 0347.3 | 026.6 | 225.4 | 009.5000 | 0314.9 | 077.7 | 52.93 |
| 033.0 | 000.3700 | 0333.0 | 026.0 | 225.0 | 009.5000 | 0319.0 | 078.1 | 52.92 |
| 034.0 | 000.3700 | 0318.7 | 025.5 | 224.6 | 009.5000 | 0322.7 | 078.6 | 52.88 |
| 035.0 | 000.3700 | 0306.2 | 025.0 | 224.3 | 009.5000 | 0325.7 | 079.0 | 52.85 |
| 036.0 | 000.3700 | 0296.1 | 024.6 | 223.9 | 009.5000 | 0328.3 | 079.3 | 52.82 |
| 037.0 | 000.3700 | 0286.7 | 024.2 | 223.6 | 009.5000 | 0330.4 | 079.7 | 52.78 |
| 038.0 | 000.3700 | 0278.2 | 023.9 | 223.2 | 009.5000 | 0332.1 | 080.0 | 52.74 |
| 039.0 | 000.3700 | 0269.2 | 023.5 | 222.9 | 009.5000 | 0333.6 | 080.3 | 52.68 |
| 040.0 | 000.3700 | 0260.5 | 023.1 | 222.6 | 009.5000 | 0334.8 | 080.6 | 52.61 |
| 041.0 | 000.3700 | 0252.2 | 022.8 | 222.3 | 009.5000 | 0335.8 | 081.0 | 52.53 |
| 042.0 | 000.3700 | 0244.3 | 022.5 | 222.1 | 009.5000 | 0336.5 | 081.3 | 52.44 |
| 043.0 | 000.3700 | 0236.0 | 022.1 | 221.8 | 009.5000 | 0337.1 | 081.7 | 52.34 |
| 044.0 | 000.3700 | 0226.4 | 021.7 | 221.5 | 009.5000 | 0337.5 | 082.1 | 52.20 |
| 045.0 | 000.3700 | 0215.4 | 021.1 | 221.3 | 009.5000 | 0337.6 | 082.7 | 52.02 |
| 046.0 | 000.3700 | 0203.4 | 020.6 | 221.1 | 009.5000 | 0337.7 | 083.3 | 51.83 |
| 047.0 | 000.3700 | 0192.5 | 020.1 | 220.9 | 009.5000 | 0337.5 | 083.8 | 51.64 |
| 048.0 | 000.3700 | 0184.1 | 019.7 | 220.7 | 009.5000 | 0337.3 | 084.2 | 51.50 |
| 049.0 | 000.3700 | 0179.8 | 019.5 | 220.5 | 009.5000 | 0337.1 | 084.5 | 51.40 |
| 050.0 | 000.3700 | 0179.3 | 019.4 | 220.2 | 009.5000 | 0336.7 | 084.6 | 51.37 |
| 051.0 | 000.3700 | 0181.7 | 019.6 | 220.0 | 009.5000 | 0336.1 | 084.5 | 51.36 |
| 052.0 | 000.3700 | 0185.0 | 019.7 | 219.8 | 009.5000 | 0335.2 | 084.4 | 51.36 |
| 053.0 | 000.3700 | 0187.2 | 019.8 | 219.5 | 009.5000 | 0334.4 | 084.4 | 51.34 |
| 054.0 | 000.3700 | 0186.5 | 019.8 | 219.3 | 009.5000 | 0334.0 | 084.5 | 51.29 |
| 055.0 | 000.3700 | 0181.6 | 019.5 | 219.1 | 009.5000 | 0333.7 | 084.9 | 51.18 |
| 056.0 | 000.3700 | 0174.7 | 019.2 | 219.0 | 009.5000 | 0333.3 | 085.3 | 51.02 |
| 057.0 | 000.3700 | 0169.2 | 018.9 | 218.8 | 009.5000 | 0333.0 | 085.7 | 50.89 |
| 058.0 | 000.3700 | 0166.7 | 018.8 | 218.6 | 009.5000 | 0332.6 | 085.9 | 50.80 |
| 059.0 | 000.3700 | 0167.0 | 018.8 | 218.4 | 009.5000 | 0332.1 | 086.0 | 50.75 |
| 060.0 | 000.3700 | 0169.8 | 018.9 | 218.2 | 009.5000 | 0331.9 | 086.0 | 50.75 |
| 061.0 | 000.3700 | 0175.9 | 019.3 | 217.9 | 009.5000 | 0331.8 | 085.8 | 50.81 |
| 062.0 | 000.3700 | 0185.0 | 019.7 | 217.6 | 009.5000 | 0332.1 | 085.6 | 50.90 |
| 063.0 | 000.3700 | 0195.8 | 020.2 | 217.2 | 009.5000 | 0332.7 | 085.2 | 51.02 |
| 064.0 | 000.3700 | 0206.2 | 020.7 | 216.8 | 009.5000 | 0333.8 | 085.0 | 51.15 |
| 065.0 | 000.3700 | 0215.5 | 021.2 | 216.5 | 009.5000 | 0335.4 | 084.8 | 51.27 |
| 066.0 | 000.3700 | 0226.5 | 021.7 | 216.1 | 009.5000 | 0337.5 | 084.5 | 51.42 |
| 067.0 | 000.3700 | 0239.0 | 022.2 | 215.7 | 009.5000 | 0340.5 | 084.2 | 51.61 |
| 068.0 | 000.3700 | 0254.5 | 022.9 | 215.2 | 009.5000 | 0344.6 | 083.9 | 51.86 |
| 069.0 | 000.3700 | 0268.3 | 023.5 | 214.7 | 009.5000 | 0349.1 | 083.6 | 52.08 |
| 070.0 | 000.3700 | 0280.4 | 024.0 | 214.3 | 009.5000 | 0353.3 | 083.5 | 52.27 |
| 071.0 | 000.3700 | 0291.1 | 024.4 | 213.9 | 009.5000 | 0357.2 | 083.4 | 52.43 |
| 072.0 | 000.3700 | 0301.3 | 024.8 | 213.5 | 009.5000 | 0360.6 | 083.3 | 52.55 |
| 073.0 | 000.3700 | 0314.4 | 025.3 | 213.0 | 009.5000 | 0363.7 | 083.2 | 52.69 |
| 074.0 | 000.3700 | 0325.1 | 025.7 | 212.6 | 009.5000 | 0365.9 | 083.2 | 52.77 |

MUNN-REESE, INC.

Broadcast Engineering Consultants
COLDWATER, MI 49036

Exhibit 34.4

§73.215 Short-Spaced Contour Protection Studies Toward WXBQ-FM - Bristol, VA (Max Class C Facilities)

FMCommander Single Allocation Study - 12-18-2013 - NGDC 30 SEC
WOXL-FM.P's Overlaps (In= 31.1 km, Out= 3.73 km)

WOXL-FM.P CH 243 C2 73.215 Z
Lat= 35 36 04.0, Lng= 82 39 07.0
9.5 kW 350.3 M HAAT, 1064 M COR
Prot.= 60 dBu, Intef.= 100 dBu

WXBQ-FM^ CH 245 C DA BLH19950914KB
Lat= 36 25 59.0, Lng= 82 08 11.0
Max Cls: 100.0 kW 600 M HAAT, 1225 M COR
Prot.= 60 dBu, Intef.= 100 dBu

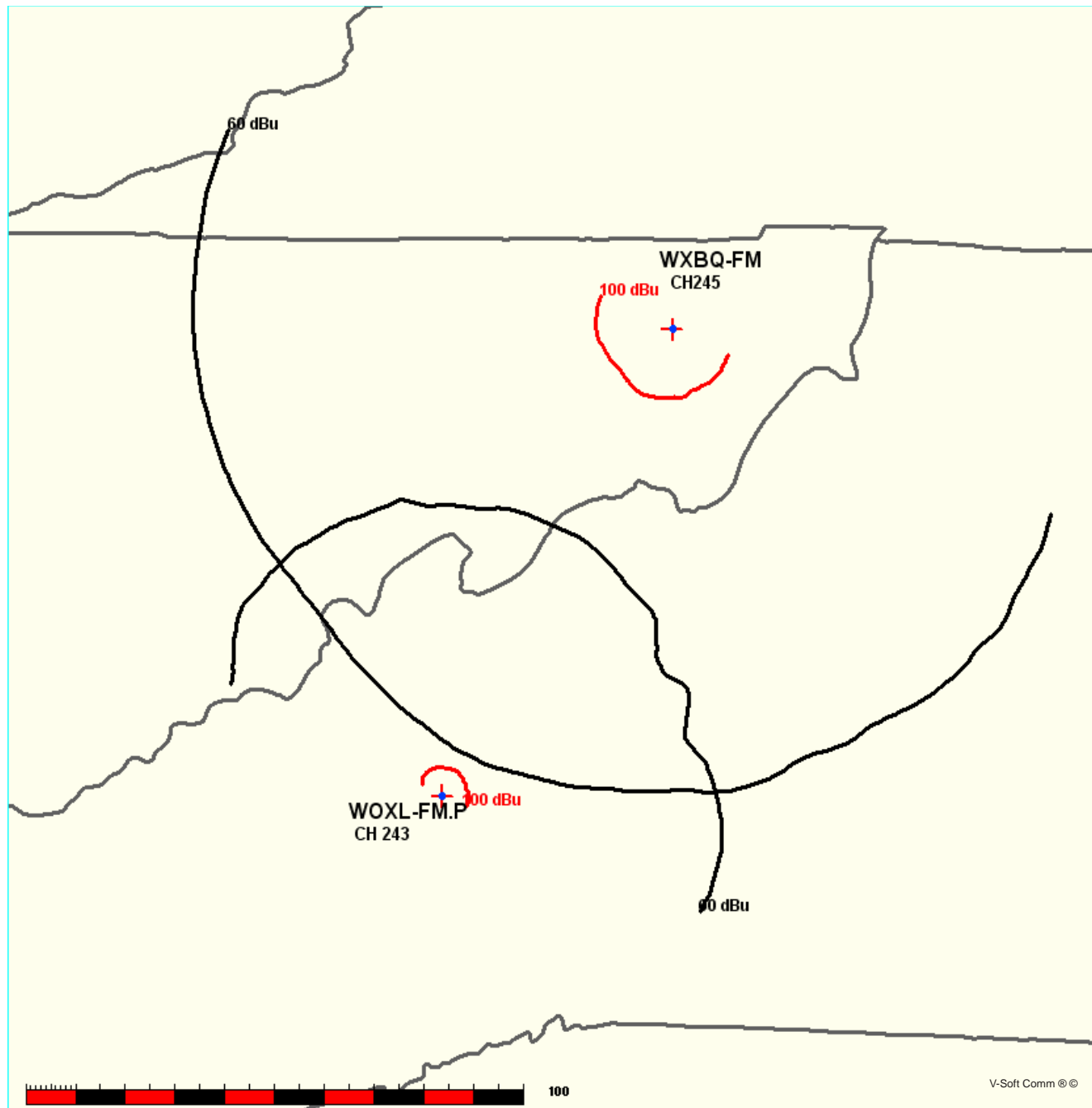


Exhibit 34.4

§73.215 Short-Spaced Contour Protection Studies Toward WXBQ-FM - Bristol, VA (Max Class C Facilities)

12-18-2013

Terrain Data: NGDC 30 SEC

FMOver Analysis

WOXL-FM.P

Channel = 243C2

Max ERP = 9.5 kW

RCAMSL = 1064 M

N. Lat. 35 36 04.0

W. Lng. 82 39 07.0

Protected

60 dBu

WXBQ-FM BLH19950914KB

(^ Max Class Parameters)

Channel = 245C

Max ERP = 100 kW

RCAMSL = 1225 M

N. Lat. 36 25 59.0

W. Lng. 82 08 11.0

Interfering

100 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 344.0 | 009.5000 | 0432.0 | 057.6 | 239.3 | 100.0000 | 0596.2 | 072.3 | 72.41 | |
| 345.0 | 009.5000 | 0435.0 | 057.7 | 239.2 | 100.0000 | 0595.9 | 071.3 | 72.74 | |
| 346.0 | 009.5000 | 0438.4 | 057.9 | 239.1 | 100.0000 | 0595.6 | 070.3 | 73.07 | |
| 347.0 | 009.5000 | 0440.6 | 058.0 | 238.9 | 100.0000 | 0595.0 | 069.3 | 73.39 | |
| 348.0 | 009.5000 | 0442.3 | 058.1 | 238.7 | 100.0000 | 0594.3 | 068.3 | 73.71 | |
| 349.0 | 009.5000 | 0445.0 | 058.3 | 238.6 | 100.0000 | 0593.8 | 067.3 | 74.04 | |
| 350.0 | 009.5000 | 0451.4 | 058.7 | 238.6 | 100.0000 | 0593.7 | 066.2 | 74.39 | |
| 351.0 | 009.4052 | 0457.3 | 058.9 | 238.4 | 100.0000 | 0593.2 | 065.2 | 74.73 | |
| 352.0 | 009.3110 | 0460.1 | 059.0 | 238.1 | 100.0000 | 0592.2 | 064.2 | 75.04 | |
| 353.0 | 009.2171 | 0456.9 | 058.7 | 237.5 | 100.0000 | 0589.9 | 063.4 | 75.28 | |
| 354.0 | 009.1238 | 0451.0 | 058.2 | 236.7 | 100.0000 | 0587.1 | 062.7 | 75.49 | |
| 355.0 | 009.0309 | 0446.1 | 057.9 | 235.9 | 100.0000 | 0584.5 | 062.0 | 75.70 | |
| 356.0 | 008.9385 | 0443.4 | 057.6 | 235.3 | 100.0000 | 0582.7 | 061.2 | 75.93 | |
| 357.0 | 008.8466 | 0440.6 | 057.3 | 234.6 | 100.0000 | 0580.9 | 060.5 | 76.16 | |
| 358.0 | 008.7552 | 0441.3 | 057.3 | 234.0 | 100.0000 | 0580.0 | 059.7 | 76.42 | |
| 359.0 | 008.6642 | 0444.6 | 057.4 | 233.5 | 100.0000 | 0579.3 | 058.8 | 76.71 | |
| 000.0 | 008.5737 | 0447.9 | 057.5 | 233.0 | 100.0000 | 0578.6 | 058.0 | 77.00 | |
| 001.0 | 008.5737 | 0449.8 | 057.6 | 232.5 | 100.0000 | 0578.0 | 057.1 | 77.29 | |
| 002.0 | 008.5737 | 0447.4 | 057.4 | 231.7 | 100.0000 | 0577.8 | 056.4 | 77.53 | |
| 003.0 | 008.5737 | 0445.6 | 057.3 | 230.9 | 100.0000 | 0577.9 | 055.8 | 77.77 | |
| 004.0 | 008.5737 | 0444.5 | 057.3 | 230.2 | 100.0000 | 0578.5 | 055.1 | 78.02 | |
| 005.0 | 008.5737 | 0443.4 | 057.2 | 229.4 | 100.0000 | 0580.0 | 054.4 | 78.28 | |
| 006.0 | 008.5737 | 0442.8 | 057.2 | 228.6 | 100.0000 | 0582.8 | 053.8 | 78.55 | |
| 007.0 | 008.5737 | 0443.3 | 057.2 | 227.8 | 100.0000 | 0586.3 | 053.1 | 78.84 | |
| 008.0 | 008.5737 | 0444.5 | 057.3 | 227.0 | 100.0000 | 0589.9 | 052.4 | 79.14 | |
| 009.0 | 008.5737 | 0447.6 | 057.4 | 226.3 | 100.0000 | 0593.2 | 051.6 | 79.45 | |
| 010.0 | 008.5737 | 0451.9 | 057.7 | 225.5 | 100.0000 | 0596.3 | 050.8 | 79.79 | |
| 011.0 | 008.5737 | 0455.8 | 057.9 | 224.7 | 100.0000 | 0599.2 | 050.1 | 80.10 | |
| 012.0 | 008.5737 | 0457.7 | 058.0 | 223.8 | 100.0000 | 0601.7 | 049.4 | 80.37 | |
| 013.0 | 008.5737 | 0458.8 | 058.1 | 222.8 | 100.0000 | 0604.3 | 048.9 | 80.61 | |
| 014.0 | 008.5737 | 0459.6 | 058.1 | 221.8 | 100.0000 | 0607.8 | 048.4 | 80.85 | |
| 015.0 | 008.5737 | 0461.1 | 058.2 | 220.8 | 100.0000 | 0611.3 | 047.8 | 81.09 | |
| 016.0 | 008.5737 | 0461.3 | 058.2 | 219.7 | 100.0000 | 0614.2 | 047.4 | 81.29 | |

MUNN-REESE, INC.

Broadcast Engineering Consultants

COLDWATER, MI 49036

Exhibit 34.4

§73.215 Short-Spaced Contour Protection Studies Toward WXBQ-FM - Bristol, VA (Max Class C Facilities)

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 017.0 | 008.5737 | 0459.6 | 058.1 | 218.5 | 100.0000 | 0617.6 | 047.1 | 81.44 |
| 018.0 | 008.5737 | 0457.2 | 058.0 | 217.3 | 100.0000 | 0622.9 | 046.9 | 81.60 |
| 019.0 | 008.5737 | 0455.6 | 057.9 | 216.1 | 100.0000 | 0629.0 | 046.7 | 81.77 |
| 020.0 | 008.5737 | 0454.3 | 057.8 | 214.8 | 100.0000 | 0633.6 | 046.5 | 81.91 |
| 021.0 | 008.6642 | 0452.8 | 057.8 | 213.6 | 100.0000 | 0637.5 | 046.2 | 82.05 |
| 022.0 | 008.7552 | 0450.9 | 057.8 | 212.4 | 100.0000 | 0642.1 | 046.0 | 82.19 |
| 023.0 | 008.8466 | 0448.6 | 057.8 | 211.1 | 100.0000 | 0648.4 | 045.9 | 82.32 |
| 024.0 | 008.9385 | 0446.3 | 057.8 | 209.9 | 100.0000 | 0655.0 | 045.8 | 82.45 |
| 025.0 | 009.0309 | 0444.7 | 057.8 | 208.6 | 100.0000 | 0659.5 | 045.7 | 82.54 |
| 026.0 | 009.1238 | 0443.5 | 057.8 | 207.4 | 100.0000 | 0662.1 | 045.7 | 82.60 |
| 027.0 | 009.2171 | 0442.6 | 057.9 | 206.1 | 100.0000 | 0663.4 | 045.6 | 82.64 |
| 028.0 | 009.3110 | 0441.7 | 057.9 | 204.8 | 100.0000 | 0663.6 | 045.6 | 82.64 |
| 029.0 | 009.4052 | 0440.2 | 057.9 | 203.6 | 100.0000 | 0662.4 | 045.7 | 82.60 |
| 030.0 | 009.5000 | 0438.3 | 057.9 | 202.3 | 100.0000 | 0658.9 | 045.8 | 82.50 |
| 031.0 | 009.5000 | 0436.2 | 057.8 | 201.1 | 100.0000 | 0653.9 | 046.1 | 82.33 |
| 032.0 | 009.5000 | 0433.4 | 057.6 | 199.9 | 100.0000 | 0648.6 | 046.4 | 82.12 |
| 033.0 | 009.5000 | 0430.2 | 057.4 | 198.8 | 100.0000 | 0643.9 | 046.8 | 81.90 |
| 034.0 | 009.5000 | 0426.7 | 057.3 | 197.6 | 100.0000 | 0640.0 | 047.3 | 81.68 |
| 035.0 | 009.5000 | 0423.6 | 057.1 | 196.6 | 100.0000 | 0637.8 | 047.8 | 81.47 |
| 036.0 | 009.5000 | 0419.8 | 056.9 | 195.5 | 100.0000 | 0636.7 | 048.3 | 81.27 |
| 037.0 | 009.5000 | 0415.4 | 056.6 | 194.6 | 100.0000 | 0636.5 | 048.9 | 81.05 |
| 038.0 | 009.5000 | 0411.1 | 056.4 | 193.6 | 100.0000 | 0637.0 | 049.5 | 80.83 |
| 039.0 | 009.5000 | 0407.5 | 056.2 | 192.7 | 100.0000 | 0635.8 | 050.1 | 80.59 |
| 040.0 | 009.5000 | 0404.4 | 056.0 | 191.8 | 100.0000 | 0631.3 | 050.7 | 80.31 |
| 041.0 | 009.5000 | 0401.4 | 055.8 | 190.9 | 100.0000 | 0626.9 | 051.3 | 80.02 |
| 042.0 | 009.5000 | 0399.0 | 055.7 | 190.1 | 100.0000 | 0622.9 | 052.0 | 79.74 |
| 043.0 | 009.5000 | 0397.1 | 055.6 | 189.3 | 100.0000 | 0618.6 | 052.6 | 79.46 |
| 044.0 | 009.5000 | 0395.8 | 055.5 | 188.5 | 100.0000 | 0613.8 | 053.2 | 79.17 |
| 045.0 | 009.5000 | 0395.6 | 055.5 | 187.6 | 100.0000 | 0609.7 | 053.8 | 78.90 |
| 046.0 | 009.5000 | 0396.5 | 055.6 | 186.8 | 100.0000 | 0610.4 | 054.4 | 78.70 |
| 047.0 | 009.5000 | 0397.9 | 055.7 | 186.0 | 100.0000 | 0611.6 | 054.9 | 78.51 |
| 048.0 | 009.5000 | 0398.6 | 055.7 | 185.2 | 100.0000 | 0611.7 | 055.6 | 78.29 |
| 049.0 | 009.5000 | 0397.3 | 055.6 | 184.5 | 100.0000 | 0610.6 | 056.3 | 78.01 |
| 050.0 | 009.5000 | 0393.5 | 055.4 | 184.0 | 100.0000 | 0609.4 | 057.1 | 77.70 |
| 051.0 | 009.5000 | 0386.5 | 055.0 | 183.6 | 100.0000 | 0608.4 | 058.1 | 77.34 |
| 052.0 | 009.5000 | 0376.3 | 054.5 | 183.4 | 100.0000 | 0607.8 | 059.2 | 76.95 |
| 053.0 | 009.5000 | 0364.8 | 053.8 | 183.3 | 100.0000 | 0607.5 | 060.3 | 76.54 |
| 054.0 | 009.5000 | 0354.4 | 053.1 | 183.2 | 100.0000 | 0607.2 | 061.5 | 76.15 |
| 055.0 | 009.5000 | 0344.3 | 052.5 | 183.1 | 100.0000 | 0607.0 | 062.6 | 75.76 |
| 056.0 | 009.5000 | 0334.9 | 051.9 | 183.1 | 100.0000 | 0606.8 | 063.7 | 75.40 |
| 057.0 | 009.5000 | 0325.5 | 051.3 | 183.0 | 100.0000 | 0606.7 | 064.8 | 75.04 |
| 058.0 | 009.5000 | 0319.1 | 050.9 | 182.9 | 100.0000 | 0606.2 | 065.7 | 74.71 |
| 059.0 | 009.5000 | 0317.0 | 050.7 | 182.6 | 100.0000 | 0605.0 | 066.5 | 74.43 |
| 060.0 | 009.5000 | 0316.2 | 050.7 | 182.2 | 100.0000 | 0603.1 | 067.3 | 74.15 |
| 061.0 | 009.5000 | 0316.0 | 050.7 | 181.8 | 100.0000 | 0602.1 | 068.1 | 73.89 |

Exhibit 34.4

§73.215 Short-Spaced Contour Protection Studies Toward WXBQ-FM - Bristol, VA (Max Class C Facilities)

12-18-2013

Terrain Data: NGDC 30 SEC

FMOver Analysis

WXBQ-FM BLH19950914KB
(^ Max Class Parameters)

Channel = 245C

Max ERP = 100 kW

RCAMSL = 1225 M

N. Lat. 36 25 59.0

W. Lng. 82 08 11.0

Protected

60 dBu

WOXL-FM.P

Channel = 243C2

Max ERP = 9.5 kW

RCAMSL = 1064 M

N. Lat. 35 36 04.0

W. Lng. 82 39 07.0

Interfering

100 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 162.0 | 100.0000 | 0540.0 | 089.1 | 083.8 | 009.5000 | 0360.6 | 074.5 | 55.56 | |
| 163.0 | 100.0000 | 0542.2 | 089.2 | 084.2 | 009.5000 | 0362.0 | 073.0 | 56.14 | |
| 164.0 | 100.0000 | 0548.7 | 089.6 | 084.7 | 009.5000 | 0364.1 | 071.6 | 56.72 | |
| 165.0 | 100.0000 | 0558.0 | 090.0 | 085.3 | 009.5000 | 0366.5 | 070.1 | 57.32 | |
| 166.0 | 100.0000 | 0569.6 | 090.6 | 086.0 | 009.5000 | 0369.0 | 068.7 | 57.91 | |
| 167.0 | 100.0000 | 0581.6 | 091.1 | 086.6 | 009.5000 | 0371.9 | 067.2 | 58.52 | |
| 168.0 | 100.0000 | 0590.8 | 091.5 | 087.2 | 009.5000 | 0374.7 | 065.7 | 59.14 | |
| 169.0 | 100.0000 | 0597.1 | 091.7 | 087.6 | 009.5000 | 0376.9 | 064.1 | 59.75 | |
| 170.0 | 100.0000 | 0602.2 | 091.9 | 088.0 | 009.5000 | 0378.8 | 062.6 | 60.36 | |
| 171.0 | 100.0000 | 0608.8 | 092.2 | 088.4 | 009.5000 | 0380.9 | 061.0 | 60.98 | |
| 172.0 | 100.0000 | 0615.3 | 092.4 | 088.9 | 009.5000 | 0383.0 | 059.5 | 61.61 | |
| 173.0 | 100.0000 | 0618.3 | 092.5 | 089.2 | 009.5000 | 0384.4 | 057.9 | 62.24 | |
| 174.0 | 100.0000 | 0618.8 | 092.5 | 089.3 | 009.5000 | 0385.4 | 056.3 | 62.86 | |
| 175.0 | 100.0000 | 0619.1 | 092.5 | 089.5 | 009.5000 | 0386.1 | 054.7 | 63.49 | |
| 176.0 | 100.0000 | 0613.6 | 092.3 | 089.4 | 009.5000 | 0385.7 | 053.0 | 64.10 | |
| 177.0 | 100.0000 | 0605.6 | 092.0 | 089.2 | 009.5000 | 0384.5 | 051.4 | 64.68 | |
| 178.0 | 100.0000 | 0598.0 | 091.7 | 088.9 | 009.5000 | 0383.3 | 049.8 | 65.26 | |
| 179.0 | 100.0000 | 0594.5 | 091.6 | 088.8 | 009.5000 | 0382.6 | 048.2 | 65.85 | |
| 180.0 | 100.0000 | 0597.3 | 091.7 | 088.9 | 009.5000 | 0383.1 | 046.6 | 66.48 | |
| 181.0 | 100.0000 | 0600.0 | 091.8 | 089.0 | 009.5000 | 0383.6 | 045.0 | 67.13 | |
| 182.0 | 100.0000 | 0602.2 | 091.9 | 089.0 | 009.5000 | 0383.7 | 043.4 | 67.79 | |
| 183.0 | 100.0000 | 0606.5 | 092.1 | 089.1 | 009.5000 | 0384.2 | 041.8 | 68.48 | |
| 184.0 | 100.0000 | 0609.4 | 092.2 | 089.1 | 009.5000 | 0384.1 | 040.2 | 69.17 | |
| 185.0 | 100.0000 | 0611.4 | 092.2 | 089.0 | 009.5000 | 0383.7 | 038.6 | 69.87 | |
| 186.0 | 100.0000 | 0611.6 | 092.3 | 088.7 | 009.5000 | 0382.4 | 037.0 | 70.56 | |
| 187.0 | 100.0000 | 0610.0 | 092.2 | 088.3 | 009.5000 | 0380.3 | 035.4 | 71.24 | |
| 188.0 | 100.0000 | 0611.2 | 092.2 | 088.0 | 009.5000 | 0378.6 | 033.8 | 71.95 | |
| 189.0 | 100.0000 | 0617.1 | 092.5 | 087.8 | 009.5000 | 0378.0 | 032.2 | 72.71 | |
| 190.0 | 100.0000 | 0622.5 | 092.7 | 087.6 | 009.5000 | 0376.9 | 030.5 | 73.52 | |
| 191.0 | 100.0000 | 0627.2 | 092.8 | 087.3 | 009.5000 | 0375.2 | 028.9 | 74.40 | |
| 192.0 | 100.0000 | 0632.4 | 093.0 | 086.8 | 009.5000 | 0373.0 | 027.3 | 75.34 | |
| 193.0 | 100.0000 | 0636.5 | 093.2 | 086.2 | 009.5000 | 0369.8 | 025.7 | 76.33 | |
| 194.0 | 100.0000 | 0636.8 | 093.2 | 085.1 | 009.5000 | 0365.8 | 024.1 | 77.31 | |

Exhibit 34.4

§73.215 Short-Spaced Contour Protection Studies Toward WXBQ-FM - Bristol, VA (Max Class C Facilities)

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 195.0 | 100.0000 | 0636.5 | 093.2 | 083.7 | 009.5000 | 0360.3 | 022.6 | 78.29 |
| 196.0 | 100.0000 | 0637.1 | 093.2 | 082.2 | 009.5000 | 0350.4 | 021.1 | 79.19 |
| 197.0 | 100.0000 | 0638.5 | 093.3 | 080.4 | 009.5000 | 0331.1 | 019.6 | 79.88 |
| 198.0 | 100.0000 | 0641.0 | 093.4 | 078.3 | 009.5000 | 0313.6 | 018.1 | 80.63 |
| 199.0 | 100.0000 | 0644.8 | 093.5 | 076.0 | 009.5000 | 0307.4 | 016.6 | 81.69 |
| 200.0 | 100.0000 | 0649.0 | 093.7 | 073.1 | 009.5000 | 0324.6 | 015.2 | 83.34 |
| 201.0 | 100.0000 | 0653.5 | 093.9 | 069.6 | 009.5000 | 0349.9 | 013.8 | 85.63 |
| 202.0 | 100.0000 | 0657.8 | 094.0 | 065.2 | 009.5000 | 0350.3 | 012.5 | 87.40 |
| 203.0 | 100.0000 | 0661.2 | 094.2 | 059.5 | 009.5000 | 0316.6 | 011.4 | 88.24 |
| 204.0 | 100.0000 | 0663.1 | 094.2 | 052.5 | 009.5000 | 0370.9 | 010.4 | 90.99 |
| 205.0 | 100.0000 | 0663.7 | 094.2 | 044.0 | 009.5000 | 0395.8 | 009.7 | 92.44 |
| 206.0 | 100.0000 | 0663.5 | 094.2 | 034.3 | 009.5000 | 0425.7 | 009.3 | 93.44 |
| 207.0 | 100.0000 | 0662.4 | 094.2 | 024.2 | 008.9544 | 0446.0 | 009.3 | 93.48 |
| 208.0 | 100.0000 | 0661.0 | 094.1 | 014.3 | 008.5737 | 0460.0 | 009.6 | 93.02 |
| 209.0 | 100.0000 | 0658.5 | 094.0 | 005.4 | 008.5737 | 0443.0 | 010.2 | 91.99 |
| 210.0 | 100.0000 | 0654.5 | 093.9 | 357.9 | 008.7607 | 0441.1 | 011.1 | 90.79 |
| 211.0 | 100.0000 | 0649.1 | 093.7 | 351.9 | 009.3172 | 0460.1 | 012.2 | 89.78 |
| 212.0 | 100.0000 | 0644.0 | 093.5 | 347.1 | 009.5000 | 0440.7 | 013.4 | 87.98 |
| 213.0 | 100.0000 | 0639.6 | 093.3 | 343.0 | 009.5000 | 0430.3 | 014.7 | 86.19 |
| 214.0 | 100.0000 | 0636.2 | 093.2 | 339.7 | 009.5000 | 0434.3 | 016.1 | 85.24 |
| 215.0 | 100.0000 | 0633.1 | 093.1 | 336.9 | 009.5000 | 0429.2 | 017.5 | 83.97 |
| 216.0 | 100.0000 | 0629.3 | 092.9 | 334.7 | 009.5000 | 0425.2 | 019.0 | 82.70 |
| 217.0 | 100.0000 | 0624.3 | 092.7 | 333.0 | 009.5000 | 0422.8 | 020.5 | 81.45 |
| 218.0 | 100.0000 | 0619.5 | 092.6 | 331.6 | 009.5000 | 0421.5 | 022.0 | 80.24 |
| 219.0 | 100.0000 | 0616.0 | 092.4 | 330.3 | 009.5000 | 0420.8 | 023.6 | 79.08 |
| 220.0 | 100.0000 | 0613.5 | 092.3 | 329.2 | 009.5000 | 0420.6 | 025.1 | 77.99 |
| 221.0 | 100.0000 | 0610.7 | 092.2 | 328.3 | 009.5000 | 0419.6 | 026.7 | 76.91 |
| 222.0 | 100.0000 | 0607.1 | 092.1 | 327.6 | 009.5000 | 0417.6 | 028.3 | 75.87 |
| 223.0 | 100.0000 | 0603.9 | 092.0 | 327.0 | 009.5000 | 0415.4 | 029.8 | 74.89 |
| 224.0 | 100.0000 | 0601.2 | 091.9 | 326.5 | 009.5000 | 0413.1 | 031.4 | 73.98 |
| 225.0 | 100.0000 | 0598.3 | 091.8 | 326.1 | 009.5000 | 0411.2 | 033.0 | 73.16 |
| 226.0 | 100.0000 | 0594.5 | 091.6 | 325.8 | 009.5000 | 0410.0 | 034.6 | 72.37 |
| 227.0 | 100.0000 | 0590.1 | 091.4 | 325.7 | 009.5000 | 0409.3 | 036.2 | 71.61 |
| 228.0 | 100.0000 | 0585.5 | 091.3 | 325.6 | 009.5000 | 0409.0 | 037.8 | 70.86 |
| 229.0 | 100.0000 | 0581.4 | 091.1 | 325.5 | 009.5000 | 0408.8 | 039.4 | 70.15 |
| 230.0 | 100.0000 | 0578.7 | 091.0 | 325.4 | 009.5000 | 0408.4 | 041.0 | 69.44 |
| 231.0 | 100.0000 | 0577.9 | 090.9 | 325.3 | 009.5000 | 0407.9 | 042.6 | 68.75 |
| 232.0 | 100.0000 | 0577.9 | 090.9 | 325.1 | 009.5000 | 0407.5 | 044.2 | 68.09 |
| 233.0 | 100.0000 | 0578.6 | 091.0 | 325.0 | 009.5000 | 0407.1 | 045.8 | 67.44 |
| 234.0 | 100.0000 | 0580.0 | 091.0 | 324.9 | 009.5000 | 0406.8 | 047.3 | 66.81 |
| 235.0 | 100.0000 | 0582.0 | 091.1 | 324.7 | 009.5000 | 0406.5 | 048.9 | 66.20 |
| 236.0 | 100.0000 | 0584.7 | 091.2 | 324.6 | 009.5000 | 0406.2 | 050.5 | 65.59 |
| 237.0 | 100.0000 | 0588.2 | 091.4 | 324.5 | 009.5000 | 0406.0 | 052.1 | 64.98 |
| 238.0 | 100.0000 | 0591.9 | 091.5 | 324.5 | 009.5000 | 0405.9 | 053.7 | 64.37 |
| 239.0 | 100.0000 | 0595.2 | 091.6 | 324.4 | 009.5000 | 0405.9 | 055.3 | 63.76 |
| 240.0 | 100.0000 | 0599.4 | 091.8 | 324.4 | 009.5000 | 0405.8 | 056.9 | 63.15 |