

**Exhibit 13-B**  
**Section 74.1204**  
**Contour Protection to WIBC**

This comprehensive exhibit has been prepared to demonstrate that the proposed W228CX modification will not cause prohibited interference to second adjacent full power FM station WIBC, Channel 226B, Indianapolis, IN. This statement demonstrates that a lack of population and/or other factors allow this proposal to be compliant with Section 74.1204. The process commonly called “Living Way,” allows for the use of U/D Analysis, also known as “signal strength ratio methodology.” In this instant case the facilities to be protected are second adjacent and are to be afforded protection from signals 40 dB stronger than they present in the location of the proposed antenna location.

The proposed W228CX facility will be located 11.3 km. from WIBC. The WIBC FCC F(50,50) protected contour at the site is 89.3 dBu. Using the FCC's FM propagation curves program (see attached), the W228CX F(50,50) interfering contour with respect to WIBC extends just 38 meters from the antenna. The W228CX transmit antenna will be is located 195 meters above ground.

It is believed that the proposed modification to W228CX will not cause prohibited interference to WIBC as no interference reaches the ground. Therefore it is believed the proposed W228CX modification is in compliance with Section 74.1204 contour protection with respect to WIBC.

|  |  |
|--|--|
| Select Contour Type:   | <div>F(50,50) Service Contour -- FM and NTSC (analog) TV<br/>F(50,10) Interfering Contour<br/>F(50,90) Digital TV Service Contour</div>                                    |
| Select Channel Range:<br>(not TV Virtual Channel)  | <div>FM Radio or TV Transmit Channels 2-6<br/>TV Transmit Channels 7-13<br/>TV Transmit Channels 14-69</div>   |
| Find This:   | <div>Field Strength, given a Distance (in km)<br/>Distance, Given a Field Strength (in dBu)<br/>FM ERP, given Distance and Field Strength [F(50,50) Service Contour]</div> |
| <div><input type="text" value="0.250"/><br/>ERP (kW)</div>   | <div><input type="text"/><br/>Distance (km)</div>  |
| <div><input type="text" value="213"/><br/>HAAT (meters)</div>                                      | <div><input type="text" value="129.3"/><br/>Field (dBu)</div>  |
| <div>Find Result Clear Form</div>  |  |
| Results:   |  |
| <div>Calculated Distance = <b>0.038 km</b><br/>Free Space equation used to compute distance.</div> |  |

This function uses the FCC's CURVES program to make calculations of the F(50,50) FM and NTSC (analog) TV service curves, the F(50,10) interfering signal curves, and the F(50,90) digital TV service curves. Printable copies of these propagation curves are available at [FM and TV Propagation Curves Graphs \(/media/radio/fm-and-tv-propagation-curves-graphs\)](https://www.fcc.gov/media/radio/fm-and-tv-propagation-curves-graphs).

**Exhibit 13-C Section**  
**74.1204**  
**Contour Protection to WRWM**

This comprehensive exhibit has been prepared to demonstrate that the proposed W228CX modification will not cause prohibited interference to WRWM, Channel 230B1, Lawrence, IN. This statement demonstrates that a lack of population and/or other factors allow this proposal to be compliant with Section 74.1204. The process commonly called “Living Way,” allows for the use of U/D Analysis, also known as “signal strength ratio methodology.” In this instant case the facilities to be protected are second adjacent and are to be afforded protection from signals 40 dB stronger than they present in the location of the proposed antenna location.

The WRWM FCC F(50,50) protected contour at the W228CX application site is 72.2 dBu. Therefore the W228CX F(50,10) interfering contour with respect to WRWM is the 112.2 dBu contour. Using the FCC's FM propagation curves program (see attached), the 112.2 dBu contour was calculated to extend 272 meters from the antenna. The proposed W228CX transmit antenna will be located 195 meters above ground level. As shown on the accompanying spreadsheet and chart, using the vertical elevation pattern data for the Kathrein-Scala CA-FM vertically polarized one bay antenna (see attached), the ERP and contour distances have been calculated every 10 degrees from 0 degrees to 90 degrees. The contour distance ranges from a maximum distance of 272 meters at 0 degrees to 0 meters at 90 degrees. That data was calculated in the attached charts to plot the distance the interfering contour extends into free space. The contour does not reach the ground. The 112.2 dBu interfering contour comes to within approximately 65 meters (213.2 ft.) of ground level at approximately 260 meters from the tower base. The elevation within 272 meters of the tower base varies by only +/- four meters.

It is believed that the proposed modification to W228CX will not cause prohibited interference to WRWM as no interference reaches the ground. Therefore it is believed the proposed

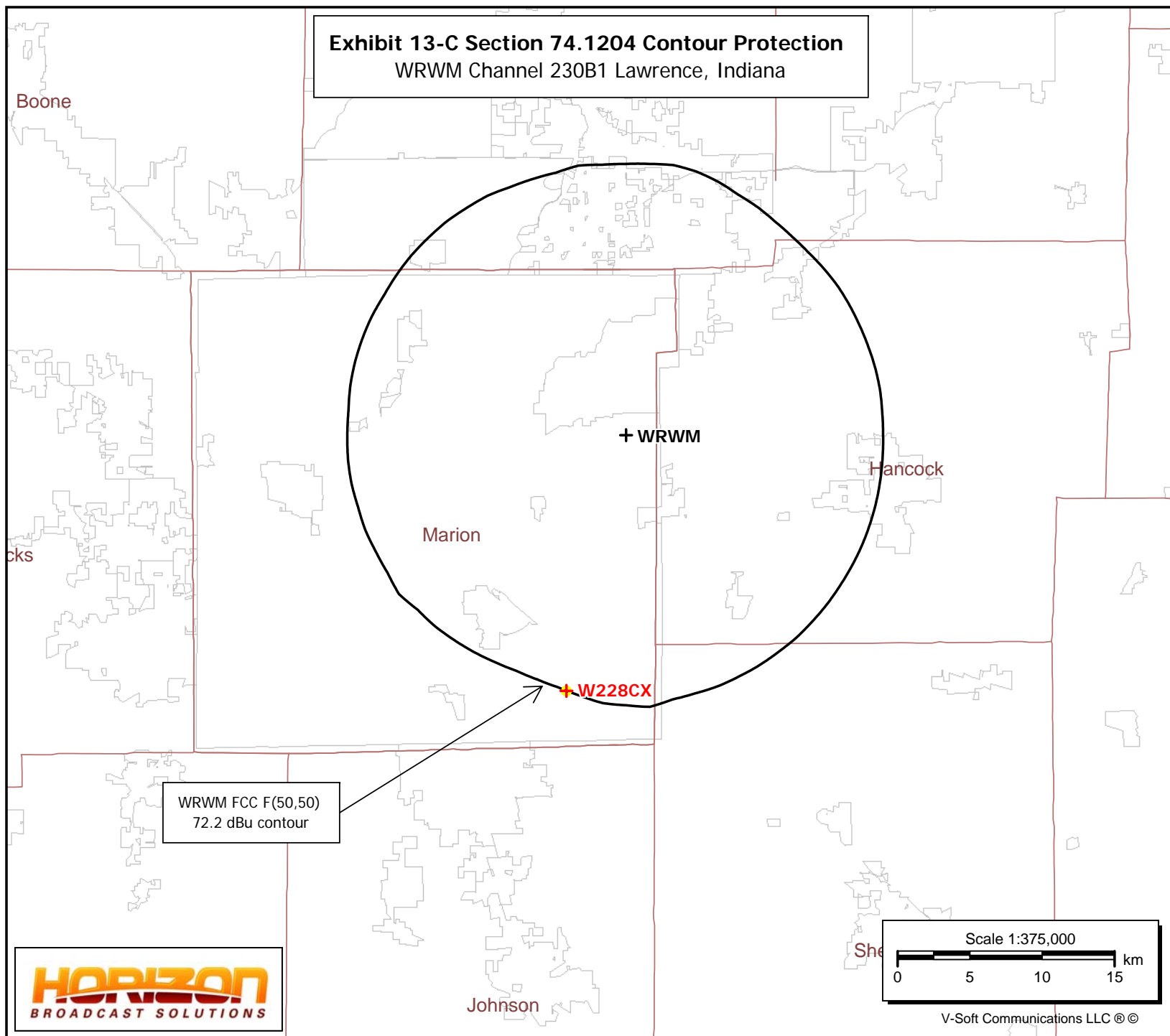
W228CX modification is in compliance with Section 74.1204 contour protection with respect to WRWM.

**W228CX**

Indianapolis, IN  
Latitude: 39-40-06 N  
Longitude: 086-01-44 W  
ERP: 0.25 kW  
HAAT: 210.48 m  
Channel: 228  
Frequency: 93.5 MHz  
AMSL Height: 454.0 m  
Elevation: 259.0 m  
Horiz. Pattern: Directional  
Vert. Pattern: No  
Prop Model: None

**WRWM**

Lawrence, IN  
BLH20120301AEG  
Latitude: 39-49-39 N  
Longitude: 085-58-51 W  
ERP: 8.40 kW  
HAAT: 140.0 m  
Channel: 230  
Frequency: 93.9 MHz  
AMSL Height: 393.0 m  
Elevation: 255.0 m  
Horiz. Pattern: Omni  
Vert. Pattern: No  
Prop Model: None

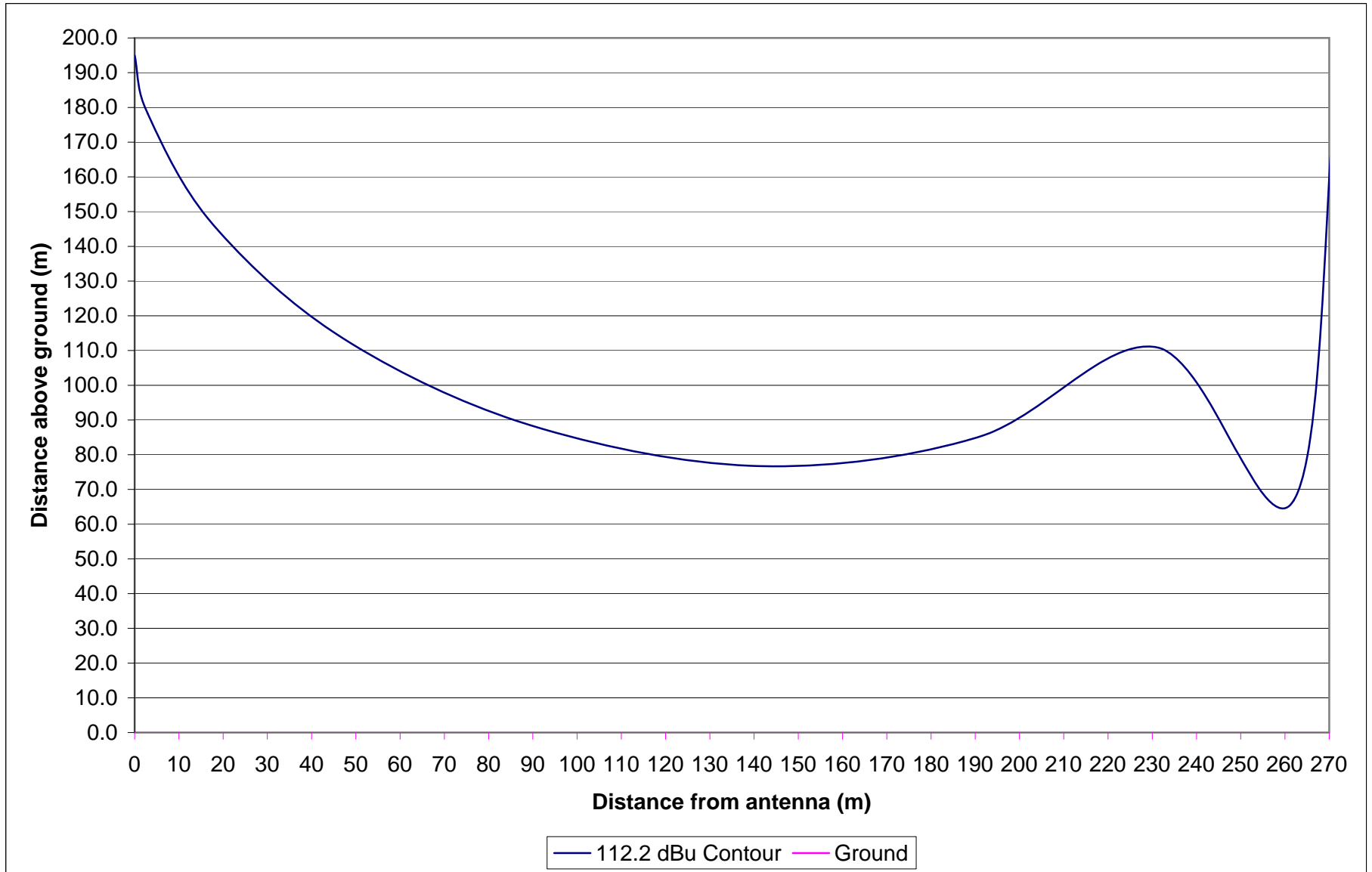
**Exhibit 13-C Section 74.1204 Contour Protection**  
WRWM Channel 230B1 Lawrence, Indiana

|  |  |
|--|--|
| Select Contour Type:   | <div>F(50,50) Service Contour -- FM and NTSC (analog) TV<br/>F(50,10) Interfering Contour<br/>F(50,90) Digital TV Service Contour</div>                                    |
| Select Channel Range:<br>(not TV Virtual Channel)  | <div>FM Radio or TV Transmit Channels 2-6<br/>TV Transmit Channels 7-13<br/>TV Transmit Channels 14-69</div>   |
| Find This:   | <div>Field Strength, given a Distance (in km)<br/>Distance, Given a Field Strength (in dBu)<br/>FM ERP, given Distance and Field Strength [F(50,50) Service Contour]</div> |
| <div><input type="text" value="0.250"/><br/>ERP (kW)</div>   | <div><input type="text"/><br/>Distance (km)</div>  |
| <div><input type="text" value="213"/><br/>HAAT (meters)</div>                                      | <div><input type="text" value="112.2"/><br/>Field (dBu)</div>  |
| <div>Find Result Clear Form</div>  |  |
| Results:   |  |
| <div>Calculated Distance = <b>0.272 km</b><br/>Free Space equation used to compute distance.</div> |  |

This function uses the FCC's CURVES program to make calculations of the F(50,50) FM and NTSC (analog) TV service curves, the F(50,10) interfering signal curves, and the F(50,90) digital TV service curves. Printable copies of these propagation curves are available at [FM and TV Propagation Curves Graphs \(/media/radio/fm-and-tv-propagation-curves-graphs\)](https://www.fcc.gov/media/radio/fm-and-tv-propagation-curves-graphs).

**W228CX - Indianapolis, IN**  
**Section 74.1204 Contour Protection to WRWM, Channel 230B1, Lawrence, IN**

(112.2 dBu F(50,10) interfering contour shown)



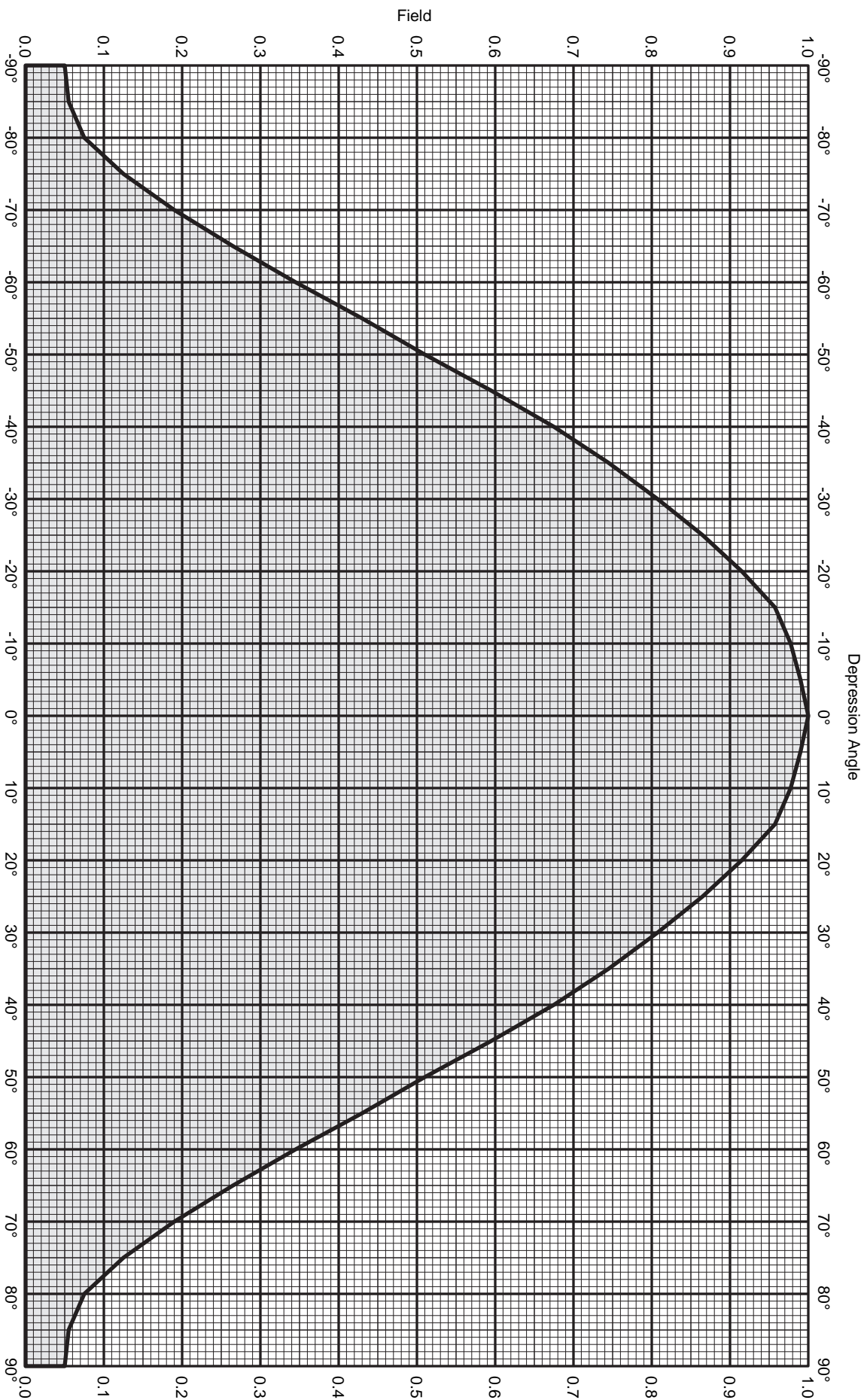
The W228CX interfering contour with respect to WRWM does not reach the ground.

|           |          |         |         |           |
|-----------|----------|---------|---------|-----------|
| Angle of  |          |         |         | 112.2 dBu |
| Elevation | Relative | ERP     | ERP     | Contour   |
| (Degrees) | Field    | (watts_ | (dBk)   | (Meters)  |
| -----     | -----    | -----   | -----   | -----     |
| 0         | 1.000    | 250     | -6.021  | 272       |
| -10       | 0.978    | 239     | -6.214  | 266       |
| -20       | 0.915    | 204     | -6.792  | 246       |
| -30       | 0.808    | 163     | -7.872  | 220       |
| -40       | 0.674    | 114     | -9.435  | 184       |
| -50       | 0.510    | 65      | -11.869 | 139       |
| -60       | 0.345    | 30      | -15.264 | 94        |
| -70       | 0.190    | 9       | -20.446 | 52        |
| -80       | 0.075    | 1       | -28.519 | 17        |
| -90       | 0.050    | 0       | -32.041 | 0         |



| Angle of<br>Elevation<br>(Degrees) | Relative<br>Field | ERP<br>(dBk) | ERP<br>(watts) | 112.2 dBu<br>Contour<br>(Meters) |
|------------------------------------|-------------------|--------------|----------------|----------------------------------|
| 0                                  | 1.000             | -6.021       | 250            | 272                              |
| 10                                 | 0.978             | -6.214       | 239            | 266                              |
| 20                                 | 0.915             | -6.792       | 204            | 246                              |
| 30                                 | 0.808             | -7.872       | 163            | 220                              |
| 40                                 | 0.674             | -9.435       | 114            | 184                              |
| 50                                 | 0.510             | -11.869      | 65             | 139                              |
| 60                                 | 0.345             | -15.264      | 30             | 94                               |
| 70                                 | 0.190             | -20.446      | 9              | 52                               |
| 80                                 | 0.075             | -28.519      | 1              | 17                               |
| 90                                 | 0.050             | -32.041      | 0              | 0                                |

| $\Theta$ (°) | $\Theta$ (radians) | R (m) | x'    | y'    | y = 195 - y' | Gnd |
|--------------|--------------------|-------|-------|-------|--------------|-----|
| 0            | 0                  | 272   | 272   | 0     | 195.0        | 0   |
| 10           | 0.175              | 266   | 262.0 | 46.2  | 66.8         | 0   |
| 20           | 0.349              | 246   | 231.2 | 84.1  | 110.9        | 0   |
| 30           | 0.524              | 220   | 190.5 | 110   | 85           | 0   |
| 40           | 0.698              | 184   | 141.0 | 118.3 | 76.7         | 0   |
| 50           | 0.873              | 139   | 89.3  | 106.5 | 88.5         | 0   |
| 60           | 1.047              | 94    | 47.0  | 81.4  | 113.6        | 0   |
| 70           | 1.222              | 52    | 17.8  | 48.9  | 146.1        | 0   |
| 80           | 1.396              | 17    | 3.0   | 16.7  | 178.3        | 0   |
| 90           | 1.571              | 0     | 0.0   | 0     | 195          | 0   |



CA2-FM

FM

Maximum gain: 4.0 dBd

Vertical polarization

Vertical radiation pattern

0 degree electrical downtilt



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CA2-FM

FM

Maximum gain: 4.0 dBd

Vertical polarization

Vertical radiation pattern

0 degree electrical downtilt

| Angle | Field | Rel.dB | dBd    | PwrMult | Angle | Field | Rel.dB | dBd   | PwrMult |
|-------|-------|--------|--------|---------|-------|-------|--------|-------|---------|
| -90   | 0.050 | -26.02 | -22.02 | 0.01    | -45   | 0.595 | -4.51  | -0.51 | 0.89    |
| -89   | 0.051 | -25.85 | -21.85 | 0.01    | -44   | 0.611 | -4.28  | -0.28 | 0.94    |
| -88   | 0.052 | -25.68 | -21.68 | 0.01    | -43   | 0.627 | -4.05  | -0.05 | 0.99    |
| -87   | 0.053 | -25.51 | -21.51 | 0.01    | -42   | 0.643 | -3.84  | 0.16  | 1.04    |
| -86   | 0.054 | -25.35 | -21.35 | 0.01    | -41   | 0.659 | -3.62  | 0.38  | 1.09    |
| -85   | 0.055 | -25.19 | -21.19 | 0.01    | -40   | 0.675 | -3.41  | 0.59  | 1.14    |
| -84   | 0.059 | -24.58 | -20.58 | 0.01    | -39   | 0.689 | -3.24  | 0.76  | 1.19    |
| -83   | 0.063 | -24.01 | -20.01 | 0.01    | -38   | 0.703 | -3.06  | 0.94  | 1.24    |
| -82   | 0.067 | -23.48 | -19.48 | 0.01    | -37   | 0.717 | -2.89  | 1.11  | 1.29    |
| -81   | 0.071 | -22.97 | -18.97 | 0.01    | -36   | 0.731 | -2.72  | 1.28  | 1.34    |
| -80   | 0.075 | -22.50 | -18.50 | 0.01    | -35   | 0.745 | -2.56  | 1.44  | 1.39    |
| -79   | 0.085 | -21.41 | -17.41 | 0.02    | -34   | 0.757 | -2.41  | 1.59  | 1.44    |
| -78   | 0.095 | -20.45 | -16.45 | 0.02    | -33   | 0.770 | -2.27  | 1.73  | 1.49    |
| -77   | 0.105 | -19.58 | -15.58 | 0.03    | -32   | 0.783 | -2.13  | 1.87  | 1.54    |
| -76   | 0.115 | -18.79 | -14.79 | 0.03    | -31   | 0.795 | -1.99  | 2.01  | 1.59    |
| -75   | 0.125 | -18.06 | -14.06 | 0.04    | -30   | 0.808 | -1.86  | 2.14  | 1.64    |
| -74   | 0.138 | -17.20 | -13.20 | 0.05    | -29   | 0.819 | -1.73  | 2.27  | 1.68    |
| -73   | 0.151 | -16.42 | -12.42 | 0.06    | -28   | 0.831 | -1.61  | 2.39  | 1.73    |
| -72   | 0.164 | -15.70 | -11.70 | 0.07    | -27   | 0.842 | -1.49  | 2.51  | 1.78    |
| -71   | 0.177 | -15.04 | -11.04 | 0.08    | -26   | 0.854 | -1.38  | 2.62  | 1.83    |
| -70   | 0.190 | -14.42 | -10.42 | 0.09    | -25   | 0.865 | -1.26  | 2.74  | 1.88    |
| -69   | 0.205 | -13.76 | -9.76  | 0.11    | -24   | 0.875 | -1.16  | 2.84  | 1.92    |
| -68   | 0.220 | -13.15 | -9.15  | 0.12    | -23   | 0.885 | -1.06  | 2.94  | 1.97    |
| -67   | 0.235 | -12.58 | -8.58  | 0.14    | -22   | 0.895 | -0.96  | 3.04  | 2.01    |
| -66   | 0.250 | -12.04 | -8.04  | 0.16    | -21   | 0.905 | -0.87  | 3.13  | 2.06    |
| -65   | 0.265 | -11.54 | -7.54  | 0.18    | -20   | 0.915 | -0.77  | 3.23  | 2.10    |
| -64   | 0.281 | -11.03 | -7.03  | 0.20    | -19   | 0.924 | -0.69  | 3.31  | 2.14    |
| -63   | 0.297 | -10.54 | -6.54  | 0.22    | -18   | 0.932 | -0.61  | 3.39  | 2.18    |
| -62   | 0.313 | -10.09 | -6.09  | 0.25    | -17   | 0.940 | -0.53  | 3.47  | 2.22    |
| -61   | 0.329 | -9.66  | -5.66  | 0.27    | -16   | 0.949 | -0.45  | 3.55  | 2.26    |
| -60   | 0.345 | -9.24  | -5.24  | 0.30    | -15   | 0.957 | -0.38  | 3.62  | 2.30    |
| -59   | 0.362 | -8.83  | -4.83  | 0.33    | -14   | 0.961 | -0.34  | 3.66  | 2.32    |
| -58   | 0.379 | -8.43  | -4.43  | 0.36    | -13   | 0.965 | -0.30  | 3.70  | 2.34    |
| -57   | 0.396 | -8.05  | -4.05  | 0.39    | -12   | 0.970 | -0.27  | 3.73  | 2.36    |
| -56   | 0.413 | -7.68  | -3.68  | 0.43    | -11   | 0.974 | -0.23  | 3.77  | 2.38    |
| -55   | 0.430 | -7.33  | -3.33  | 0.46    | -10   | 0.978 | -0.20  | 3.80  | 2.40    |
| -54   | 0.446 | -7.01  | -3.01  | 0.50    | -9    | 0.980 | -0.18  | 3.82  | 2.41    |
| -53   | 0.462 | -6.71  | -2.71  | 0.54    | -8    | 0.982 | -0.15  | 3.85  | 2.42    |
| -52   | 0.478 | -6.41  | -2.41  | 0.57    | -7    | 0.985 | -0.13  | 3.87  | 2.44    |
| -51   | 0.494 | -6.13  | -2.13  | 0.61    | -6    | 0.988 | -0.11  | 3.89  | 2.45    |
| -50   | 0.510 | -5.85  | -1.85  | 0.65    | -5    | 0.990 | -0.09  | 3.91  | 2.46    |
| -49   | 0.527 | -5.56  | -1.56  | 0.70    | -4    | 0.992 | -0.07  | 3.93  | 2.47    |
| -48   | 0.544 | -5.29  | -1.29  | 0.74    | -3    | 0.994 | -0.05  | 3.95  | 2.48    |
| -47   | 0.561 | -5.02  | -1.02  | 0.79    | -2    | 0.996 | -0.03  | 3.97  | 2.49    |
| -46   | 0.578 | -4.76  | -0.76  | 0.84    | -1    | 0.998 | -0.02  | 3.98  | 2.50    |
|       |       |        |        |         | 0     | 1.000 | 0.00   | 4.00  | 2.51    |



CA2-FM

FM

Maximum gain: 4.0 dBd

Vertical polarization

Vertical radiation pattern

0 degree electrical downtilt

| Angle | Field | Rel.dB | dBd   | PwrMult | Angle | Field | Rel.dB | dBd    | PwrMult |
|-------|-------|--------|-------|---------|-------|-------|--------|--------|---------|
| 0     | 1.000 | 0.00   | 4.00  | 2.51    | 45    | 0.595 | -4.51  | -0.51  | 0.89    |
| 1     | 0.998 | -0.02  | 3.98  | 2.50    | 46    | 0.578 | -4.76  | -0.76  | 0.84    |
| 2     | 0.996 | -0.03  | 3.97  | 2.49    | 47    | 0.561 | -5.02  | -1.02  | 0.79    |
| 3     | 0.994 | -0.05  | 3.95  | 2.48    | 48    | 0.544 | -5.29  | -1.29  | 0.74    |
| 4     | 0.992 | -0.07  | 3.93  | 2.47    | 49    | 0.527 | -5.56  | -1.56  | 0.70    |
| 5     | 0.990 | -0.09  | 3.91  | 2.46    | 50    | 0.510 | -5.85  | -1.85  | 0.65    |
| 6     | 0.988 | -0.11  | 3.89  | 2.45    | 51    | 0.494 | -6.13  | -2.13  | 0.61    |
| 7     | 0.985 | -0.13  | 3.87  | 2.44    | 52    | 0.478 | -6.41  | -2.41  | 0.57    |
| 8     | 0.982 | -0.15  | 3.85  | 2.42    | 53    | 0.462 | -6.71  | -2.71  | 0.54    |
| 9     | 0.980 | -0.18  | 3.82  | 2.41    | 54    | 0.446 | -7.01  | -3.01  | 0.50    |
| 10    | 0.978 | -0.20  | 3.80  | 2.40    | 55    | 0.430 | -7.33  | -3.33  | 0.46    |
| 11    | 0.974 | -0.23  | 3.77  | 2.38    | 56    | 0.413 | -7.68  | -3.68  | 0.43    |
| 12    | 0.970 | -0.27  | 3.73  | 2.36    | 57    | 0.396 | -8.05  | -4.05  | 0.39    |
| 13    | 0.965 | -0.30  | 3.70  | 2.34    | 58    | 0.379 | -8.43  | -4.43  | 0.36    |
| 14    | 0.961 | -0.34  | 3.66  | 2.32    | 59    | 0.362 | -8.83  | -4.83  | 0.33    |
| 15    | 0.957 | -0.38  | 3.62  | 2.30    | 60    | 0.345 | -9.24  | -5.24  | 0.30    |
| 16    | 0.949 | -0.45  | 3.55  | 2.26    | 61    | 0.329 | -9.66  | -5.66  | 0.27    |
| 17    | 0.940 | -0.53  | 3.47  | 2.22    | 62    | 0.313 | -10.09 | -6.09  | 0.25    |
| 18    | 0.932 | -0.61  | 3.39  | 2.18    | 63    | 0.297 | -10.54 | -6.54  | 0.22    |
| 19    | 0.924 | -0.69  | 3.31  | 2.14    | 64    | 0.281 | -11.03 | -7.03  | 0.20    |
| 20    | 0.915 | -0.77  | 3.23  | 2.10    | 65    | 0.265 | -11.54 | -7.54  | 0.18    |
| 21    | 0.905 | -0.87  | 3.13  | 2.06    | 66    | 0.250 | -12.04 | -8.04  | 0.16    |
| 22    | 0.895 | -0.96  | 3.04  | 2.01    | 67    | 0.235 | -12.58 | -8.58  | 0.14    |
| 23    | 0.885 | -1.06  | 2.94  | 1.97    | 68    | 0.220 | -13.15 | -9.15  | 0.12    |
| 24    | 0.875 | -1.16  | 2.84  | 1.92    | 69    | 0.205 | -13.76 | -9.76  | 0.11    |
| 25    | 0.865 | -1.26  | 2.74  | 1.88    | 70    | 0.190 | -14.42 | -10.42 | 0.09    |
| 26    | 0.854 | -1.38  | 2.62  | 1.83    | 71    | 0.177 | -15.04 | -11.04 | 0.08    |
| 27    | 0.842 | -1.49  | 2.51  | 1.78    | 72    | 0.164 | -15.70 | -11.70 | 0.07    |
| 28    | 0.831 | -1.61  | 2.39  | 1.73    | 73    | 0.151 | -16.42 | -12.42 | 0.06    |
| 29    | 0.819 | -1.73  | 2.27  | 1.68    | 74    | 0.138 | -17.20 | -13.20 | 0.05    |
| 30    | 0.808 | -1.86  | 2.14  | 1.64    | 75    | 0.125 | -18.06 | -14.06 | 0.04    |
| 31    | 0.795 | -1.99  | 2.01  | 1.59    | 76    | 0.115 | -18.79 | -14.79 | 0.03    |
| 32    | 0.783 | -2.13  | 1.87  | 1.54    | 77    | 0.105 | -19.58 | -15.58 | 0.03    |
| 33    | 0.770 | -2.27  | 1.73  | 1.49    | 78    | 0.095 | -20.45 | -16.45 | 0.02    |
| 34    | 0.757 | -2.41  | 1.59  | 1.44    | 79    | 0.085 | -21.41 | -17.41 | 0.02    |
| 35    | 0.745 | -2.56  | 1.44  | 1.39    | 80    | 0.075 | -22.50 | -18.50 | 0.01    |
| 36    | 0.731 | -2.72  | 1.28  | 1.34    | 81    | 0.071 | -22.97 | -18.97 | 0.01    |
| 37    | 0.717 | -2.89  | 1.11  | 1.29    | 82    | 0.067 | -23.48 | -19.48 | 0.01    |
| 38    | 0.703 | -3.06  | 0.94  | 1.24    | 83    | 0.063 | -24.01 | -20.01 | 0.01    |
| 39    | 0.689 | -3.24  | 0.76  | 1.19    | 84    | 0.059 | -24.58 | -20.58 | 0.01    |
| 40    | 0.675 | -3.41  | 0.59  | 1.14    | 85    | 0.055 | -25.19 | -21.19 | 0.01    |
| 41    | 0.659 | -3.62  | 0.38  | 1.09    | 86    | 0.054 | -25.35 | -21.35 | 0.01    |
| 42    | 0.643 | -3.84  | 0.16  | 1.04    | 87    | 0.053 | -25.51 | -21.51 | 0.01    |
| 43    | 0.627 | -4.05  | -0.05 | 0.99    | 88    | 0.052 | -25.68 | -21.68 | 0.01    |
| 44    | 0.611 | -4.28  | -0.28 | 0.94    | 89    | 0.051 | -25.85 | -21.85 | 0.01    |
|       |       |        |       |         | 90    | 0.050 | -26.02 | -22.02 | 0.01    |

**W228CX**

Indianapolis, IN  
Latitude: 39-40-06 N  
Longitude: 086-01-44 W  
ERP: 0.25 kW  
HAAT: 210.48 m  
Channel: 228  
Frequency: 93.5 MHz  
AMSL Height: 454.0 m  
Elevation: 259.0 m  
Horiz. Pattern: Directional  
Vert. Pattern: No  
Prop Model: None

**WMXQ**

Hartford City, IN  
BLH20161110AAB  
Latitude: 40-25-16 N  
Longitude: 085-25-40 W  
ERP: 3.40 kW  
HAAT: 134.6 m  
Channel: 228  
Frequency: 93.5 MHz  
AMSL Height: 408.0 m  
Elevation: 277.0 m  
Horiz. Pattern: Directional  
Vert. Pattern: No  
Prop Model: None

**WKHY**

Lafayette, IN  
BLH20140819ABR  
Latitude: 40-23-12 N  
Longitude: 086-58-14 W  
ERP: 6.00 kW  
HAAT: 76.0 m  
Channel: 228  
Frequency: 93.5 MHz  
AMSL Height: 273.0 m  
Elevation: 184.0 m  
Horiz. Pattern: Omni  
Vert. Pattern: No  
Prop Model: None

**Exhibit 13-D Section 74.1204 Contour Protection**

WMXQ Channel 228A Hartford City, Indiana

WKHY Channel 228A Lafayette, Indiana

