

# EXHIBIT 18.1

## TV Channel 6 Interference Study (Domestic)

The proposed WBLW(FM) transmitter site for Gaylord, MI, is located within the 265 km affected radius of one domestic Channel 6 television stations, WCML-TV, Alpena, MI. Therefore, in accordance with the provisions of §73.525 of the Rules, a study has been made for potential interference to the reception of the stations.

Calculations were done in accordance with section 73.525(e), and there is contour overlap between the proposed FM station and the TV-6 facility, however the interference population of 2,229 is below the 3,000 limit as set forth by §73525(c).

This FM application proposes the use of directional antenna. As the FM interference contour does not reach a community of 50,000 persons or more, the power used for the contour calculations was determined as follows:

The ERP used for the interference calculations was determined using the formula of §73.525(e)(4)(ii).  $P = H + (V/A)$  Solving,  $0.0 + (5.0/40) = 0.125$  kW. Therefore,  $P = 0.125$  kW, the power used to calculate the distance to the FM interference contours.

The FM to TV U/D ratio has been determined by reference to 47 C.F.R. Section 73.599, Figure 1. The following chart details specific Channel 6 service contours along with the corresponding FM interference contours. No adjustment for television reception antenna directivity has been taken as the proposed operation is of vertical only polarization.

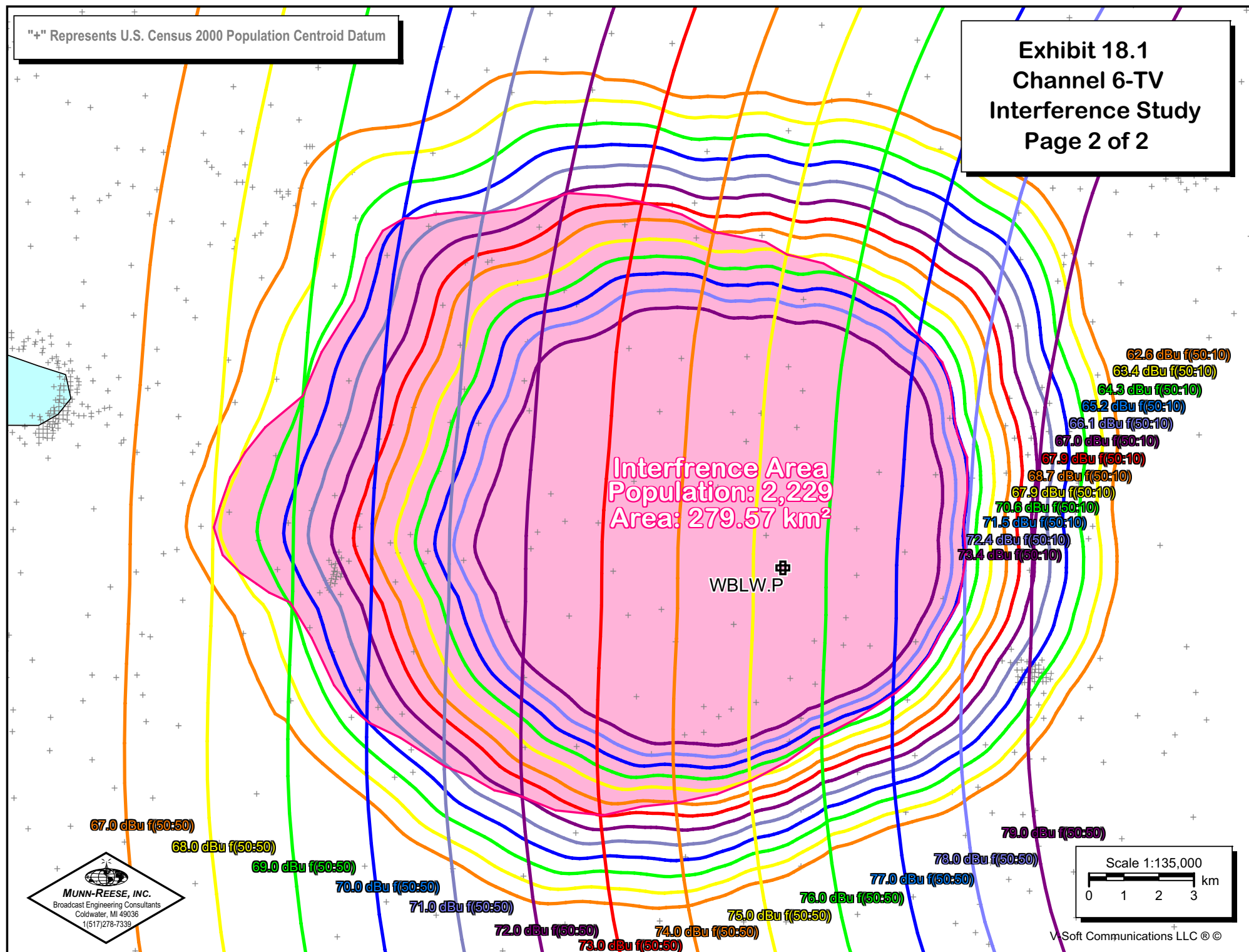
TV/FM D to U values											
47.0	48.0	55.0	53.7	63.0	59.4	71.0	66.1	79.0	73.4	87.0	80.7
48.0	48.7	56.0	54.4	64.0	60.1	72.0	67.0	80.0	74.3	88.0	81.7
49.0	49.3	57.0	55.1	65.0	60.9	73.0	67.9	81.0	75.2	89.0	82.6
50.0	50.0	58.0	55.7	66.0	61.7	74.0	68.7	82.0	76.1	90.0	83.5
51.0	50.7	59.0	56.4	67.0	62.6	75.0	69.7	83.0	77.0	91.0	83.5
52.0	51.5	60.0	57.1	68.0	63.4	76.0	70.6	84.0	77.9	92.0	83.5
53.0	52.2	61.0	57.9	69.0	64.3	77.0	71.5	85.0	78.9	93.0	83.5
54.0	52.9	62.0	58.6	70.0	65.2	78.0	72.4	86.0	79.8	94.0	83.5

Inspection of the above table and attached map shows the range of proposed FM interference contours associated with the each protected TV contour used in calculating the actual interference area. As stated before, the calculated interference contour contains a population 2,229 which is below the 3,000 limit as set for in §73.252(c).

Population information has been derived from U.S. Census 2000 population datum and plotted on computer mapping as supplied by V-soft™ Probe III™ computer mapping software. Tabulations of contours will be supplied to the Commission upon request.

"+" Represents U.S. Census 2000 Population Centroid Datum

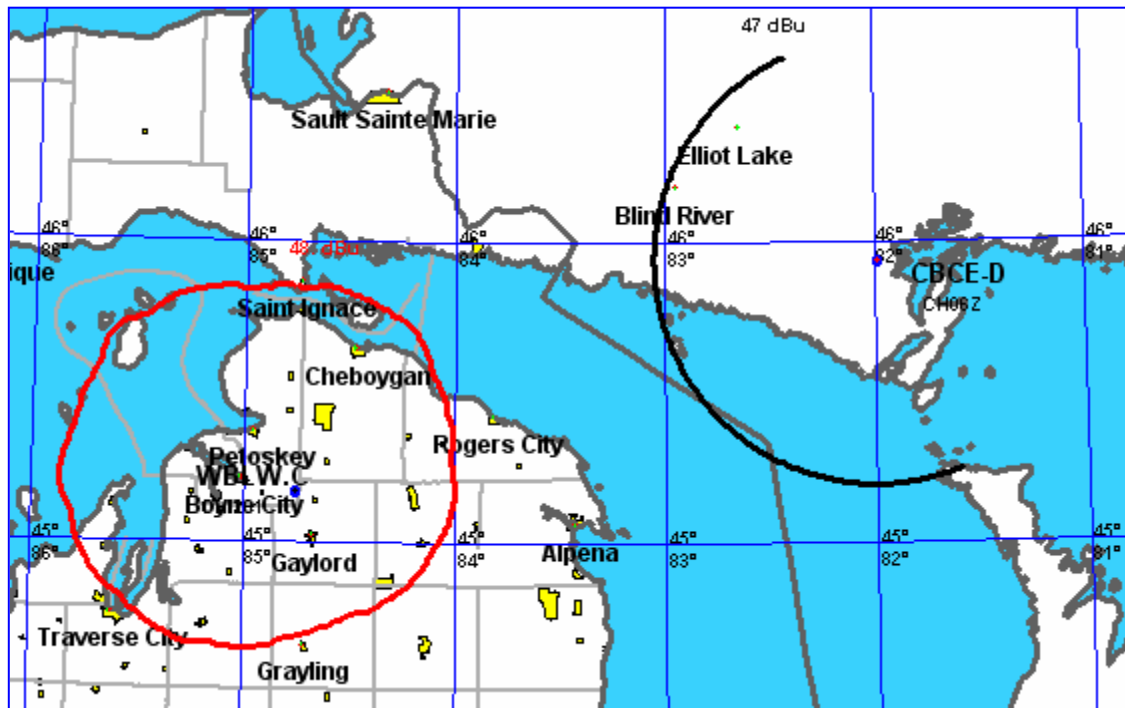
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Channel 6-TV  
Interference Study  
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## EXHIBIT 18.2

### TV Channel 6 Interference Study (Canadian)

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The proposed WBLW(FM) transmitter site for Gaylord, MI, is located within the affected radius of one Canadian Channel 6 television stations, CBCE-D, Little Current, ON, Canada. Therefore, in accordance with the provisions of §73.525 of the Rules, a study has been made for potential interference to the reception of the stations.

Calculations were done in accordance with §73.525(e), and there is no contour overlap between the proposed WBLW(FM) facility and CBCE-D.

This FM application proposes the use of directional antenna. As the FM interference contour does not reach a community of 50,000 persons or more, the power used for the contour calculations was determined as follows:

The ERP used for the interference calculations was determined using the formula of §73.525(e)(4)(ii).  $P = H + (V/A)$  Solving,  $0.0 + (5.0/40) = 0.125$  kW. Therefore,  $P = 0.125$  kW, the power used to calculate the distance to the FM interference contours.

The FM to TV U/D ratio has been determined by reference to 47 C.F.R. §73.599, Figure 2. The ratio at the TV-6, 47 dBu is 1.0 dB for an FM interference contour of 48 dBu. An adjustment of 6 dB for television reception antenna directivity has not been made as this facility is of vertical only polarization.

An FM Commander™ map has been included showing the Grade B protected contours of CBCE-D and the corresponding interference contour of the proposed facility. As stated before, no contour overlap is predicted to exist with this facility.