

EXHIBIT 18.1**STUDY CONCERNING POTENTIAL INTERFERENCE TO CHANNEL 6**

The transmitter site for the use of Channel 210A, WAYG(FM) is located within the 196 km affected radius of a Channel 6 television station, WLNS-TV, Lansing, MI. A study has been made of the potential for interference to the reception of this television station, in accordance with the provisions of §73.525 of the Rules.

Calculations were done in accordance with §73.525(e), and there is contour overlap between the proposed WAYG(FM) facility and WLNS-TV. The contours have been plotted on 2000 Census maps and included in this exhibit. The population affected was determined as specified in the Rules. A total of 2,699 persons reside in the interference area. Population Centroid distribution methodology was assumed.

This FM application proposes the use of a directional antenna. As the FM interference contour reaches 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, $4.0 + (4.0/10) = 4.4$ kW. Therefore, $P = 4.4$ 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 20.3 dB. In accordance with the provisions of §73.525(e)(1)(iii) an adjustment of 6 dB may be made for television reception antenna directivity. This adjustment was taken over the appropriate arcs in the case of WLNS-TV. Also, in accordance with §73.525(e)(3)(iii), portions of the interference area serviced by the City Grade WWMT-TV Kalamazoo, MI Channel 3 service contour may be discounted as both WLNS-TV and WWMT-TV are both sole affiliates of the CBS television network. As stated before, this leaves an interference population of 2,699 persons which is within the limit of 3,000 persons set forth in the Rules.

A Probe II™ map has been included showing the Grade B protected contour of WLNS-TV and the corresponding interference contour of the proposed facility. V-Soft Communications has provided the following information regarding this methodology: "This population is obtained through the use of a computer program which extracts a population count based on population centroids defined by U.S. Census 2000 digital census data. This program draws data from the following summary level: State-County-Voting District/Remainder-County Subdivision, Place/Remainder-Census Tract/Block Numbering Area-Block Group."

Exhibit 18.1
TV Channel 6 Interference Study
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