

METRO DETROIT BROADCASTING CORPORATION
APPLICATION FOR CLASS A TELEVISION CONSTRUCTION PERMIT
CHANNEL 33, DETROIT, MI

Exhibit 9 – Analog TV Broadcast Protection

CICOTV, CH32, Windsor, ON

The channel study predicted interference to licensed analog station CICOTV, Channel 32, Windsor, Ontario, Canada. CICOTV is licensed to operate with an effective radiated power (ERO) of 217 kilowatts and a height above average terrain (HAAT) of 214 meters. The CICOTV transmitter site is 34.7 kilometers from the proposed site. The closest point on the Canadian border is 16.4 kilometers on a bearing of 125 degrees from the proposed transmitter site. Using the proposed ERP, terrain and F(50,10) curves, the predicted signal strength at the border will be 78.0 dBu. Using the CICOTV licensed parameters, terrain and F(50,50) curves, the CICOTV signal level at the border is predicted to be 89.5 dBu. Therefore, the proposed Channel 33 signal will be 11.5 dB below the CICOTV signal level. The Channel 33 predicted 79 dBu F(50,10) contour will be 12.9 kilometers from the proposed transmitter site and 3.5 kilometers short of the border with Canada. Therefore, any interference is predicted to fall on United States soil and not in Canada.

WLMB, CH40, Toledo, OH

The proposed Channel 33 transmitter site is 95.2 kilometers at a bearing of 042 degrees from the WLMB, Channel 40 transmitter site in Toledo, OH. WLMB operates with an ERP of 4,170 kW at 174 meter HAAT and an Andrew Model 17511 antenna oriented at 110 degrees. The field is 5.35 dB below the maximum ERP in the direction of the proposed facility. The required separation is 100 kilometers. Therefore, a waiver of 4.8 kilometers short spacing is hereby requested.