Technical Parameters Exhibit

Applicant: Local Community Broadcasting, Inc. (FRN 0023094246) New FM translator, Channel 216 (91.1 MHz), McHenry, IL, rebroadcasting WYML-LP

	McHenry, 91.1
60 dBu area, gross	68 sq km
Significant water excluded	3 sq km
60 dBu area, net	65 sq km
Population	31,619

Method: The 60 dBu F(50,50) contour was calculated on 36 radials using the FCC contour tools, with ERP on each radial adjusted by the directional antenna's relative field (Nicom BKY3P, main lobe 195 degrees true, 0.150 kW maximum), using 1-arc-second terrain data for height above average terrain and a 30 m minimum. Population is the sum of 2020 Census blocks whose internal points fall inside the contour. Area was measured on a grid of about 0.04 sq km. Water area comes from Census TIGER hydrography polygons inside the contour.