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APPLICATION FOR MODIFICATION OFCONSTRUCTION PERMIT
WBEC-FM – 288A
EASTHAMPTON, MA

EXHIBIT 30
RF EXPOSURE STUDY

The proposed facility was examined for its compliance with F.C.C. Guidelines regarding human exposure to non-ionizing radiation. The WBEC(FM) facility will utilize a Shively 6810-2-SS-DA antenna. The antenna has an element spacing of 0.5 wavelengths with a center of radiation 12 meters above ground. The facility ERP is 0.72 kW in both the vertical and horizontal polarization planes.

The above parameters were entered into the F.C.C. OET FMMODEL computer program. The predicted maximum RF field density at two meters above ground is 40.6 uW/cm^2 at a horizontal distance of 18 meters from the antenna. This field density is well below the guideline limit of 200 uW/cm^2.

The proposed site is the location of numerous transmitting facilities and towers including WGGB(TV), WGGB-DT, WGBY(TV), WGBY-DT and WHYN(FM). Due to the complexity of the ground elevations, antenna orientations and reflections, accurate modeling of the total RF environment is impossible. The site owners, WGGB(TV), conduct yearly measurements of the RF fields at the site to ensure continued compliance with F.C.C. RF Exposure Guidelines. The applicant proposes to make measurements of the RF fields immediately following construction and to submit the results of those measurements in its application for license. Any areas found to exceed the Guidelines will be properly fenced and marked. Details of any such areas will be included in the report of the measurements.

The applicant understands that RF levels in access of the guidelines exist on the pole near the antenna elements. The pole will be fenced to prevent unauthorized access.

The applicant, in cooperation with other users, will limit exposure of workers to RF fields through reduction of power or cessation of transmission as necessary.