Consulting Engineers
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CARL T. JONES CORPORATION

ENVIRONMENTAL AND RADIO FREQUENCY SAFETY

The licensee of WSWB is committed to the protection of station personnel and/or tower contractors working in the vicinity of the WSWB antenna, and is committed to reducing power or ceasing operation during times of maintenance of the transmission systems, when necessary, to ensure protection to personnel.

The predicted emissions of WSWB must be considered, in addition to predicted emissions from any other proposed or existing stations at the site. For WSWB, which will operate on television Channel 34 (590-596 MHZ), the MPE is 395.33 microwatts per centimeter squared ($\mu W/cm^2$) in an "uncontrolled" environment and 1,976.7 $\mu W/cm^2$ in a "controlled" environment. The proposed WSWB facility will operate with a maximum ERP of 120 kW from an elliptically polarized directional transmitting antenna with a centerline height of 79 meters above ground level (AGL). Considering a conservative predicted vertical plane relative field factor of 0.155 the WSWB facility is predicted to produce a power density at two meters above ground level of 32.491 $\mu W/cm^2$, which is 8.22% of the FCC guideline value for an "uncontrolled" environment, and 1.644% of the FCC's guideline value for "controlled" environments. There is one other full-power DTV facility, one LPTV DTV facility and three FM stations that are located at the WSWB site. The total estimated percentage of the ANSI value at the proposed site, including the cumulative radiation from all authorizations located within the relevant proximity, is 89.91% of the limit applicable to "uncontrolled" environments, and 17.98% of the limit for "controlled" environments. (See Appendix)