

## **Radio Frequency Radiation Study and Statement**

The proposed facilities were evaluated in terms of potential radio frequency radiation exposure at ground level in accordance with OET Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radio frequency Radiation." by measurement utilizing a NARDA RFR meter model 8718B sn:04226 and E probe Model 8742D sn:02818 for the proper operating frequency range. The Narda meter and probe held mil spec calibration dated 11/25/2008. Measurements were conducted on 5/20/2009 by Mr Jeff Parker.

The WJJS Auxiliary antenna system is an EPA type 3, 2 (Two) element, "Rototiller" antenna, half wave spaced, mounted with its center of radiation 13 meters above ground level, and will operate with an effective radiated power of 3.7 KW in both the horizontal and vertical planes. The site was measured with all licensed facilities but the main licensed antenna for WJJS, operating at licensed parameters, into each respective stations authorized antenna. WJJS's Main antenna was excluded from measurements as the facility design prohibits simultaneous operation into both the main and proposed auxiliary antenna.

Measurements were taken at 2 meters above ground, The results of the measurements show this proposal will contribute worst case, 26% percent of the allowable ANSI limit for controlled exposure, and 6% percent of the allowable limit for uncontrolled exposure. Therefore the proposed facilities are in compliance with Section 1.1307 of the commission's rules and OET Bulletin 65, Supplement A.

Further, the applicant will see that signs are posted in the vicinity of the tower, warning Of potential radio frequency hazards at the site. The proposed site is restricted from public access. The applicant will cooperate with other users of the site to reduce power of the facility, or discontinue operation, as necessary to limit human exposure to levels less than specified by the Federal Communications Commission should anyone be required to climb the tower for maintenance or inspection.

  
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Jeff Parker  
Technical Director