

**Exhibit to WMRZ Application  
Special Temporary Authority  
Dawson, Georgia  
Facility ID: 88542**

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This exhibit presents the technical details of request for Special Temporary Authority ("STA") for an emergency antenna facility at the studio tower after the collapse of the WMRZ support tower.

**Antenna Details**

The proposed emergency antenna for WMRZ is mounted 29 meters above ground on the existing studio tower identified by antenna structure registration number 1251381. The effective radiated power ("ERP") to be utilized is up to 3 kw.

**Spacing Compliance**

Attached as Figure 1 is a contour map demonstrating the maximum proposed STA facilities 60 dBu is wholly contained within that of the licensed facility.

**Radio Frequency Radiation Study and Statement**

The 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."

The antenna system is a single element vertical polarity only antenna which has been evaluated using the program "FM Model" set for this type of radiating element; an EPA type 1 "Ring and Stub" mounted with its center of radiation 29 meters above ground level, and operated with an effective radiated power of 3 kilowatts in both the horizontal and vertical. At 2 meters above ground, at 6.2 meters from the base of the tower, this proposal will contribute worst case, 131 microwatts per square centimeter, or 13.1 percent of the allowable ANSI limit for controlled exposure, and 65.5 percent of the allowable limit for uncontrolled exposure. It is therefore believed that this proposal is in compliance with

OET Bulletin Number 65 as required by the Federal Communications Commission.

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 site itself is restricted from public access. The applicant will cooperate with other users of the tower 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.

## **Figures and Attachments**

Figure 1 - Antenna Location Spacing Study

