

# **RF Radiation Compliance Measurements WKSS Hartford-Meriden, CT Facility ID# 53384**

These measurements were made to comply with Special Conditions 3 and 4 of Construction permit BXPB-20070322ADE for an auxiliary antenna.

## **Facilities:**

WKSS is authorized by Construction Permit BXPB-20070322ADE for an ERP of 3.2KW (H & V) and utilizes a single bay ERI MPX-1E antenna. The antenna is side mounted on a 61 meter self supported tower with its center of radiation located at 40 meters above ground level. Access to the tower is restricted from the general public by a chain link fence and locked gates. Appropriate cautionary signs are posted at the tower base.

## **Measurements:**

On September 11, 2009, while operating into the antenna at authorized power measurements were made by Clear Channel engineering staff in all generally accessible areas at the site in accordance with guidelines provided in OET Bulletin 65 Edition 97-01 with regard to General Population / Uncontrolled Exposure and Occupational / Controlled Exposure limits. A NARDA 8718B EM Survey meter utilizing a B8742D Shaped E Field Probe was used to make the measurements. The B8742D is a shaped probe with usable response from 300 kHz – 3 GHz providing a reading of the electric field component in percentage of the plane wave equivalent power density corresponding to the 1997 FCC General Population/Public Standard. Measurements were made using the "Max Hold" function of the NARDA 8718B meter while slowly walking a survey grid around the site sweeping the meter probe up and down in an oscillatory fashion covering as much volume of space as practical. Spatial averaging was not needed or utilized.

## **General Population / Uncontrolled Exposure:**

In none of the generally accessible areas at the site and within the building did the RF exposure levels exceed the 1997 FCC General Population / Uncontrolled Exposure limit. The maximum electric field observed was 44% of the 1997 FCC General Population / Uncontrolled Exposure limit. Thus, WKSS complies with OET Bulletin 65 Edition 97-01 with regard to the General Population / Uncontrolled Exposure at all accessible points on the site and surrounding areas.

## **Occupational / Controlled Exposure:**

The maximum electric field observed at all accessible areas at the site and within the building areas was below the General Population / Uncontrolled Exposure limit and therefore also complies with OET Bulletin 65 Edition 97-01 with regard to the Occupational/Controlled exposure limit.

The licensee along with other users of the site will reduce power or cease operating as necessary to protect workers on the tower from RF exposure in excess of FCC guidelines.