

## **Engineering Exhibit**

### **WEZL-FM, WRFQ-FM and WXLY-FM RF Radiation Compliance**

Although **WEZL-FM, WRFQ-FM and WXLY-FM** are not eligible to use the “RF Exposure Worksheet”, the newly combined facility complies with the FCC established guidelines regarding exposure to RF electromagnetic fields as described in OET Bulletin 65. The alternate method for showing compliance is described below.

#### **Facilities:**

WEZL, WRFQ and WXLY are licensed for 100 KW ERP and utilize a 10 bay, full wave spaced Dielectric Antenna. The Antenna is mounted on a 213 meter, Guyed tower with a Radiation Center above ground level of 201 meters. This is a common site with two towers standing within 15 meters of each other. The smaller tower is used by WEZL-FM, WRFQ-FM, WXLY-FM and WSSP-FM, while the larger is used by WAVF-FM, WJZX-FM, WFCH-FM and WCSQ FM.

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

To determine the level of RF exposure, measurements were made on Wednesday, March 24, 2004 in all areas accessible by the public at the transmitter site and surrounding areas. A NARDA survey meter model FSCM99899 and Narda probe A8742D was utilized. The probe is calibrated in Percent of standard for Controlled Exposure for frequencies ranging in the broadcast band. The “Max Hold” setting was used to record the highest level measured. Measurements were made at 2 meters above the ground while walking the entire area at the site and in the adjacent areas out to a distance of 100 meters from the tower base.

The maximum RF exposure level measured is 14.8% of controlled access standard, and is below the limit of the Occupational / Controlled Exposure limit at a distance of 20 meters from the tower base, and drops off as the distance is increased. This is well below the 0.2 limit for General Population / Uncontrolled Exposure. Therefore, The facilities Comply with OET Bulletin 65 with regard to General Population / Uncontrolled Exposure.

#### **Occupational/Controlled Exposure:**

Using the measurement methods described above, measurements were also taken within the transmitter building and near the tower base. The maximum RF exposure measured is 16% of the Occupational / Controlled Exposure directly in front of each Continental transmitter and does not exceed 1 mw/m in all other areas. Therefore, WRFQ-FM, WXLY-FM and WEZL-FM comply with OET Bulletin 65 with regard to Occupational / Controlled Exposure.