

Engineering Exhibit
WHLW(FM), Luverne, AL (FID#6655)
WZHT(FM), Troy, AL (FID#8649)
RF Radiation Compliance

WHLW(FM) and WZHT(FM) comply with the FCC established guidelines regarding exposure to RF electromagnetic fields as described in OET Bulletin 65 Edition 97-01.

Facilities:

WHLW(FM) and WZHT(FM) utilize a common 12-bay, Harris model FMH-12AC Antenna, mounted on a 589.8 meter, guyed tower with a Center of Radiation of 522 meters above ground level. WHLW(FM) is licensed for an ERP (H & V) of 13.5 kW. WZHT(FM) is licensed for an ERP (H & V) of 100 kW. This is a common site with WSFA(TV) and WCOV-TV, which utilize separate antennas mounted on the same tower. There are no other FM, AM or TV stations located within 1.0 kilometer of the WHLW(FM) and WZHT(FM) tower site.

General Population/Uncontrolled Exposure:

To determine the level of RF exposure, measurements were made on November 20, 2003 in all accessible areas at the transmitter site and surrounding areas. A Narda survey meter model 8718B with an A874-2D probe was utilized. The probe is calibrated in percent of limit for Controlled Exposure for frequencies ranging from 300KHz to 3.0 GHz. The "Max Hold" setting was used to record the highest levels 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 500 meters from the tower base. The maximum RF exposure level measured was 3.53 % of the Occupational/Controlled Exposure limit, which occurs at a distance of 150 meters from the tower base, and drops off as the distance from the tower is increased. This is below the 20% limit for General Population/Uncontrolled Exposure. Therefore, WHLW(FM) and WZHT(FM) do comply with OET Bulletin 65 Edition 97-01 with regard to General Population/Uncontrolled Exposure.

Occupational/Controlled Exposure:

Using the measurement methods described above, measurements were also taken inside the transmitter building and inside the fence that surrounds the tower. The maximum RF Exposure level measured inside the transmitter building was 2.87 % of the Occupational/Controlled Exposure Limit, which occurred directly in front of the WHLW(FM) transmitter. The maximum RF Exposure level measured inside the fence and around the base of the tower was 1.05 % of the Exposure Limit. WHLW(FM) and WZHT(FM) in coordination with other users of the site, reduce power or cease operations as necessary to protect persons having access to the site, tower or antenna from RF Exposure in excess of FCC guidelines. Therefore, WHLW(FM) and WZHT(FM) also comply with OET Bulletin 65 Edition 97-01 with regard to Occupational/Controlled Exposure.


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