

KCII-FM RF Statement

The following information pertains to station KCII-FM, Washington, IA.

KCII-FM is proposing operation on FM Channel 291 (106.1 MHz) with effective radiated power (ERP) of 6.2 KW (H & V). KCII-FM utilizes a 3 bay FM antenna with 1.0 wavelength inter-bay spacing. The KCII-FM center of radiation (COR) is 88 meters AGL. Since KCII-FM is co-located with AM station KCII, Washington, IA, the individual and combined RF density at ground level is calculated.

Using the FCC's FM Model program and FM antenna type 3, the peak power density occurs 43.2 meters from the base of the tower, with 5.87 microwatts per centimeter squared, or 2.9% of the recommended limit of 200 microwatts per centimeter squared in the non-controlled environment, well within the ANSI recommended limits.

Co-Located KCII operates on 1380 KHz, with 0.5 KW non-directional, utilizing a 149 degree (0.414 wavelength) guyed tower. Since the distance from the tower to the fence equals or exceeds 2.0 meters, KCII is categorically compliant with Section 1.1307.

Access to the transmitting site is restricted and appropriately marked with warning signs. Furthermore, a policy is in effect in the event that workers or other authorized personnel enter the restricted area or climb the tower to ensure that appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure. Such measures include reducing the average exposure by spreading out the work over a longer period of time, wearing RFR protective clothing and/or RFR exposure monitors or scheduling work when the stations are at reduced power or shut down.