

TECHNICAL EXHIBIT
NOTIFICATION OF
-14 dBc (4%) DIGITAL POWER FOR
STATION WXRR (FACILITY ID 55404)
HATTIESBURG, MISSISSIPPI
CH 283C1 (104.5 MHz) 100 KW ANALOG, 4 KW DIGITAL

The proposed FM facility was evaluated in terms of potential radio frequency (RF) energy exposure at ground level to workers and the general public. The radiation center for the antenna is located 223 meters above ground level. The total digital effective radiated power is 8 kilowatts (H+V). Using a worst-case downward relative field value of 1.0, the worst-case power density at 2 meters above ground level is 5.5 uW/cm^2 . This is less than five percent of the Commission's guideline in an uncontrolled environment for an FM radio station.¹

Access to the transmitting site is restricted and appropriately marked with warning signs. In the event that workers or other authorized personnel enter restricted areas or climb the tower or any nearby adjacent towers, 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 "accepted" RFR protective clothing and/or RFR exposure monitors or scheduling work when the station is at reduced power or shut down. It is noted that this technical exhibit only addresses the potential for radiofrequency electromagnetic field exposure.

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¹ The FCC maximum guideline for a FM broadcast station in an uncontrolled environment is 200 uW/cm^2 .