

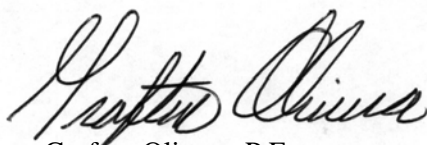
TECHNICAL EXHIBIT
HUMAN EXPOSURE TO RF ELECTROMAGNETIC ENERGY
PREPARED FOR STATION WQHA (DT)
AGUADA, PUERTO RICO
CH 50 44 KW (MAX-DA) 328 M

Technical Statement

The proposed facilities were evaluated in terms of potential radio frequency (RF) energy exposure at ground level to workers and the general public. The radiation center for the proposed DTV antenna is located 32 meters above ground level. The maximum DTV ERP is 44 kW (horizontal polarization). An analysis, based on the antenna vertical pattern (included in Exhibit 47), shows that the maximum RF exposure at a depression 15 degrees or greater below horizon, at a point 2 meters above ground level would be 79 uW/cm^2 . This is 17.2 % of the FCC's recommended limit of 459.3 uW/cm^2 for channel 50 for an "uncontrolled" environment. This is considerably below the MPE for an uncontrolled environment and meets the FCC's requirements for human exposure to RF energy.

Access to the transmitting site will as restricted and appropriately marked with RFR warning signs. Furthermore, in the event that workers or other authorized personnel need to enter the restricted area or climb the tower, 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 or completely turning off the station.

This technical exhibit addresses the potential for radio frequency electromagnetic field exposure. All other aspects of the environmental processing analysis has already been provided to the FCC by the tower owner as part of the tower registration process.



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