

TECHNICAL EXHIBIT  
CONCERNING HUMAN EXPOSURE TO RF ELECTROMAGNETIC ENERGY  
PREPARED FOR  
STATION WOLE-DT  
AGUADILLA, PUERTO RICO  
CH 12 47.0 KW 661 M

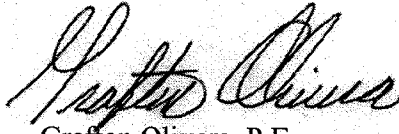
Technical Statement

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 68 meters above ground level. The maximum DTV ERP is 47 kW (circular polarization). For any depression angle below 30°, based on the antenna vertical pattern included in Exhibit 43 and assuming a relative field factor of 0.1, the maximum RF exposure at a point 2 meters above ground level would be 7.2  $\mu\text{W}/\text{cm}^2$ . This is 3.6 % of the FCC's recommended limit of 200  $\mu\text{W}/\text{cm}^2$  for channel 12 for an "uncontrolled" environment. This is considerably below the MPE for an uncontrolled environment and based on the responsibility threshold of 5 % , the proposed facility meets the FCC's requirements for human exposure to RF energy.

Access to the transmitting site will be restricted and appropriately marked with RFR warning signs. Furthermore, in the event that workers or other authorized personnel 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.

Finally, it is noted that this technical exhibit only addresses the potential for radio frequency electromagnetic field exposure. All other aspects of the

environmental processing analysis will be or already has been provided to the FCC by the tower owner as part of the tower registration process.



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