

TECHNICAL EXHIBIT
CONCERNING HUMAN EXPOSURE TO RF ELECTROMAGNETIC ENERGY
PREPARED FOR
STATION KUNP-DT
LA GRANDE, OREGON
CH 16 50 KW (DA) 773 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 SWR model SWCP16OI/16 DTV antenna is located 17 meters above ground level. The maximum DTV ERP is 50 kW (horizontal polarization). A “conservative” vertical plane relative field value of 0.3 (for angles below 60 degrees downward) was presumed for the antenna's downward radiation. The calculated power density at a point 2 meters above ground level is 0.668 mW/cm^2 . Therefore, measurements will be made to show compliance with the FCC RF emission rules.

Access to the transmitting site will be restricted and appropriately marked with RFR warning signs. Furthermore, as this is a multi-user site, an agreement will be in effect with the other stations 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 and/or RFR exposure.

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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