

RF Hazard Statement for KNDU-DT Richland, WA

The transmitter site for KNDU and KNDU-DT is in a fenced secured area. In addition, the base of the towers are also fenced and secured separately. Calculations were performed to determine if the operation of these stations as well as the contribution of the stations adjacent to the KNDU transmitter site would exceed the general population exposure and occupational RF exposure limits listed in OET Bulletin 65, edition 97-01 and Supplement A of that bulletin. In addition, a number of detailed measurements using procedures outlined in *“Evaluating Compliance with FCC-Specified Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields”*, ANSI/IEEE Std C95.3-1991, *IEEE Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields—RF and Microwave* and *NCRP Report No 119, “A practical Guide to the Determination of Human Exposure to Radiofrequency Fields”*. These measurements total RF exposure were made on August 23, 2006 to verify the validity of these calculations. These calculations show that the limits for RF exposure for general population will not be exceeded outside of the fenced transmitter site and that the occupational limits will not be exceeded within the controlled area. The results of the measurements verified the calculated values with one exception; the limits are exceeded within 3 feet of the northwest guy wire and anchor. Additional fencing was added to control access to that area. The occupational exposure limits can be exceeded at the immediate level of transmitting antennas themselves on the tower. Procedures for shutting off the transmitters while performing work close to the antennas or when working on the roof of the KNDU transmitter building have been established.

Respectfully submitted.

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