

RF HAZARD STATEMENT  
PROPOSED LOW POWER DIGITAL STATION K25GA  
REDMOND, OREGON  
CH 25    1.6 KW (DA)    1725 M (RCAMSL)

With respect to the potential for human exposure to radio frequency (RF) radiation, calculations prepared in accordance with FCC Bulletin OET-65 (Edition 97-01) indicate that the proposal will not result in human exposure to RF radiation at ground level in excess of FCC standards. Power density calculations were conducted at 2-m above ground<sup>1</sup> based on the following conservative assumptions, with the following results:

Call Sign	Channel	Average ERP (kW)	RCAGL (m)	Relative Field Factor	Uncontrolled Exposure FCC Limit (mW/cm <sup>2</sup> )	Percentage of limit
K25GA-D	25	1.6	15	0.238 <sup>2</sup>	0.359	4.985%

As indicated above, the exposure to RF radiation at 2-m above ground will not exceed 4.985% of the FCC limit for general population/uncontrolled exposure. Therefore, the proposal complies with the FCC limits for human exposure to RF radiation and it is categorically excluded from environmental processing. The applicant, in coordination with other users of the transmission facility, shall reduce power or cease operation as necessary to protect persons having access to the tower or antenna from radio frequency radiation in excess of the FCC guidelines.

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<sup>1</sup> The radiation center is located 15 meters above ground level.

<sup>2</sup> Based on the elevation pattern for the Scala SL-8 antenna, the vertical relative field values between 60° and 90° below the horizon do not exceed 0.238.