



## **RADIO FREQUENCY IMPACT, SAFETY & STATEMENT OF COMPLIANCE**

The proposed auxiliary KDBC-TV facility has been evaluated for human exposure according to methodology set forth in OET Bulletin 65. As shown in Appendix A the KDBC-TV channel 18 auxiliary facility as proposed herein will operate with a maximum ERP of 76.3 kW from a horizontally polarized directional transmitting antenna with a centerline height of 104.9 meters above ground level (AGL). Assuming a conservative elevation pattern with a downward radiation vertical plane relative field factor of 0.250 at depression angles greater than 25 degrees, the proposed KDBC-TV channel 18 facility is predicted to produce a worst-case power density at two meters above ground level of  $14.93 \mu\text{W}/\text{cm}^2$ , which is 4.51% of the FCC guideline value of  $331.33 \mu\text{W}/\text{cm}^2$  for an "uncontrolled" environment, and 0.90% of the FCC's guideline value for "controlled" environments. Therefore, pursuant to Section 1.1307(b)(3) of the FCC Rules, because the proposed facility would not exceed 5% of the uncontrolled and controlled exposure limits, the proposal's power density contribution is considered insignificant. Further, the Applicant will continue to cooperate/coordinate with other site users and reduce power and/or cease operation during times of service or maintenance of the transmission systems as necessary to avoid potentially harmful exposure to personnel. In light of the above, the proposed facility should be categorically excluded from RF environmental processing under Section 1.1307(b) of the Commission's Rules.