

POWER DENSITY CALCULATION
PROPOSED CLASS-A STATION K03HK
CHANNEL 3 – FRESNO, CALIFORNIA
[AMENDMENT TO BPTVL-20040329AFS]

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Fresno facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 1 kw, an effective antenna height of 22 meters above ground, and the vertical pattern of the Scala antenna, maximum power density two meters above ground of 0.0092 mw/cm^2 is calculated to occur 25 meters southwest of the base of the tower. Since this is less than 4.6 percent of the 0.2 mw/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 3 (60-66 MHz), this proposal constitutes a minor environmental action.

Further, the station owner will take whatever precautionary steps are necessary, such as reducing power or leaving the air temporarily, to ensure that workers operating in the vicinity of the antenna are not exposed to excessive nonionizing radiation.