

EXHIBIT E

POWER DENSITY CALCULATION

PROPOSED KALO-DT
CHANNEL 10 – HONOLULU, HAWAII

[FURTHER AMENDMENT TO BPEDT-20000501AFZ]

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Honolulu facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 21 kw, an effective antenna height of 20 meters above ground, and the elevation pattern of the ERI antenna, maximum power density two meters above ground of 0.035 mw/cm^2 is calculated to occur 5 meters east-southeast of the base of the tower. This is only 3.5 percent of the 1.0 mw/cm^2 reference for controlled environments (areas without public access) surrounding a facility operating on Channel 10. Since there is no public access to this site, a grant of this proposal may be considered a minor environmental action with respect to public and occupational ground-level exposure to nonionizing electromagnetic radiation.

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 or on adjacent towers are not exposed to excessive nonionizing radiation from the proposed facility.