

**ENGINEERING STATEMENT**  
**W. RICHARD GREEN AND ASSOCIATES**  
CONSULTING TV & RADIO ENGINEERS

3200 WILKINSON ROAD

CAMERON PARK, CA 95682

**EXHIBIT 31**  
**RADIO FREQUENCY POWER DENSITY ASSESSMENT**

**FOR THE PROPOSED KZCC-FM AUXILIARY TRANSMITTER FACILITY**  
**AT MCKINLEYVILLE, CA**  
**FEBRUARY 7, 2008**

This firm has been retained by Airen Broadcasting Company (Licensee of KZCC-FM) to determine if the proposed auxiliary transmitter facility is in compliance with 47 C.F.R. 1.1307 of the Commission's rules and with OET Bulletin #65, dated August 1997 regarding human exposure to radio frequency radiation in the vicinity of the broadcast tower. This study considers all nearby contributing sources of radio frequency energy and utilizes the appropriate formulas contained in the OET Bulletin.

The proposed two bay 1 wavelength spaced antenna system placed at the 41.1 meter level on the tower (AGL) will produce 9.01 uw/cm<sup>2</sup> which is 0.91% of the maximum allowable power density (MPE) at two meters above ground for the proposed controlled site & (4.51% as uncontrolled site).

The proposed transmitter site is restricted from public access and is posted with signs stating: "NO TRESPASSING" "DANGER HIGH LEVEL OF RADIO FREQUENCY ENERGY", therefore, it qualifies as a controlled site. Additionally, the site is located in a remote area behind a locked gate & a .7 km road, consequently, it is not likely to be visited by the public.

**NIER // ANSI CALCULATION RESULTS**

The entire transmitter site was found to meet the FCC's requirements for maximum permissible Radio Frequency Radiation Power Density from ground level to a height of 2 meters above ground level for an uncontrolled environment > 200.0 uw/cm<sup>2</sup>.

**END OF STATEMENT**

If anyone concerned would like to discuss the above described data or would like to discuss the calculation process, please contact the following:

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[W. Richard Green / 2/7/2008](#)

*Signature*      *Date*

By: William Richard Green CE  
For: W. Richard Green & Associates