

Engineering Statement and Interference Analysis

This technical statement supports this application to make changes in K42GE on channel 42 in Redding, CA. FCC File No. BMPTTL-20040513AAS, Facility ID 129249.

This application is displaced by the licensed facility of KQSX-LP, channel 42 at Redding, CA, Facility ID 125481, BLTTL-20051031AGV. A recent run of tv_process_dlptv indicates that the authorized facility of K42GE causes new interference to 1.5% of the population within the service area of KQSX-LP. This interference was not detected under previous versions of the FCC software, i.e., tv_process_lptv. K42GE, as currently authorized, is not buildable without causing interference to KQSX-LP. Therefore, K42GE is displaced.

The proposed channel 6 facilities were studied using the Techware's tv_process-dlptv software on a Sun Blade 1500. The study performed a Longley-Rice study in accordance with FCC rules 74.705, 74.706 and 74.707.

TV Broadcast Analog System Protection

The proposed operation causes less than 0.5% interference to surrounding analog assignments and allotments (i.e., "*de minimis*"). It is believed that the proposed operation is in compliance with the spirit and intent of the FCC's interference standards. If necessary, a waiver of the FCC rules is respectfully requested for this analog allocation study based on use of the OET-69 procedures.

Digital TV Station Protection

The proposed operation causes less than 0.5% interference to surrounding digital assignments and allotments and facilities (i.e., "*de minimis*"). It is believed that the proposed operation is in compliance with the spirit and intent of the FCC's interference standards. If

necessary, a waiver of the FCC rules is respectfully requested for this digital allocation study based on use of the OET-69 procedures.

Low Power TV and TV Translator Station Protection

The proposed operation causes less than 0.5% interference to surrounding low power assignments and allotments (i.e., “*de minimis*”). It is believed that the proposed operation is in compliance with the spirit and intent of the FCC’s interference standards. If necessary, a waiver of the FCC rules is respectfully requested for this low power allocation study based on use of the OET-69 procedures.

This application does not cause any predicted interference to any of the other proposals. To the degree it is deemed necessary, the applicant requests a waiver of Section 74.705, 74.706, and 74.707 and other applicable parts of the Rules and Regulations of the Federal Communications Commission in order to allow for the grant of this instant application.