

### **Engineering Statement and Interference Analysis**

This technical statement supports this application to make changes in K32GM on channel 32 in Chico, CA. FCC File No. BNPTTL-2000831APB, Facility ID 127996.

In this application, the proposed station K32GM is displaced because of a settlement that has been filed between mutually exclusive applicants for a new noncommercial TV stations on channel 32 at Weaverville, California. The applicants, Northern California Public Television (File No. BPET-19960920KV) and Redding Institute of Religion (File No. BPET-19970324KE), have filed a Joint Motion For Approval of Universal Settlement Agreement and Petition For Rulemaking in connection with the above-referenced mutually exclusive applications for new noncommercial TV station on Channel 32 at Weaverville, California. Upon the grant of the new facility pursuant to that settlement, K32GM will have to cease operations.

The Applicant is proposing to change channels, transmitter sites, antenna patterns and ERP. 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. This application is minor in nature because it is a displacement application, because the protected contours of the existing facility of K32GM and that proposed herein overlap, and because the proposed transmitter site remains outside of the 121 km zone allowed for 2000 Window LPTV applicants.

### **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.