

ALLOCATION AND INTERFERENCE STUDY

PROPOSED KTNC-DT
CHANNEL 63 - CONCORD, CALIFORNIA
[MODIFICATION OF BPCDT-19991019ABG]

The Commission allotted Channel 63 to KTNC-DT with a nominal ERP of 61 kw at 856 meters above average terrain. The instant application specifies an ERP of 237 kw at 928 meters from a new site, which has been determined to be allowable under the FCC's *de minimus* standards with respect to various NTSC and DTV facilities.

In evaluating the interference effect of this proposal, we have relied upon the V-Soft Communications "Probe II" computer program, which has been found generally to mimic the FCC's program. Interference caused by KTNC-DT to other pertinent co-channel and adjacent-channel stations is tabulated in Exhibit D-2.

Except with respect to the KFTL-DT allotment facility, the KTNC-DT proposal would not contribute more than two percent DTV interference to the service population of any affected NTSC or DTV station. In addition, this proposal does not result in any NTSC or DTV station receiving more than ten percent total DTV interference to viewers living within its authorized service area. With specific regard to the KFTL-DT allotment facility, the instant applicant has secured an interference agreement from the KFTL licensee, a copy of which appears as Exhibit E-3. It is important to note that, according to our Longley-Rice interference studies, KTNC-DT as proposed herein does not cause any interference to the service population of the pending proposal for KFTL-DT.

Therefore, this proposal meets the FCC's *de minimus* interference standards for DTV operations.