

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of KTNC LICENSE, LLC, permittee of KTNC-DT, Channel 14 in Concord, California, in support of this request for Special Temporary Authority to operate with an effective radiated power of 24.6 kw.

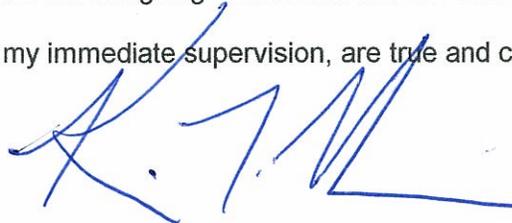
The station is authorized under BMPCDT-20080222ABB (granted 5/20/08) to operate at the site and height proposed herein with an omnidirectional ERP of 40 kw. Under the present STA authorization (BDSTA-20090608ACO), the station is currently operating with an ERP of 3.51 kw. The increase in ERP proposed herein will allow the station to conduct further tests with respect to interference issues relating to Land Mobile facilities, in hopes that the station will soon be able to operate with the power authorized in BMPCDT-20080222ABB. Therefore, no change in site location, antenna make or model, or antenna height from that authorized in BDSTA-20090608ACO is proposed herein.

It is intended to utilize the existing PSI omnidirectional antenna, which is mounted at the 88-meter level of an existing 91.4-meter tower. Exhibit B is a map upon which the predicted service contours are plotted. As shown, the city of license is completely contained within the proposed 48 dBu service contour. It can be seen in Exhibit C that the newly proposed 41 dBu contour is located entirely within that authorized to KTNC-DT on Channel 14. For that reason, no interference study is provided. A power density calculation is included as Exhibit D.

EXHIBIT A

Since no change in overall height or location of the existing tower is proposed herein, the FAA has not been notified of this application. In addition, the FCC issued Antenna Structure Registration Number 1014626 to this tower.

I declare under penalty of perjury that the foregoing statements and the attached exhibits, which were prepared by me or under my immediate supervision, are true and correct to the best of my knowledge and belief.

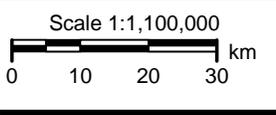


KEVIN T. FISHER

November 3, 2009

**CONTOUR POPULATION**  
**48 DBU : 7,538,791**  
**41 DBU : 8,648,793**

Smith and Fisher



**EXHIBIT B**  
**PREDICTED SERVICE CONTOURS**  
**PROPOSED KTNC-DT STA**  
**CH. 14 - CONCORD, CALIFORNIA**



POWER DENSITY CALCULATION  
PROPOSED KTNC-DT STA  
CHANNEL 14 – CONCORD, CALIFORNIA

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Concord facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 24.6 kw, an antenna radiation center 88.4 meters above ground, and assuming a vertical relative field value of 20 percent at the steeper elevation angles for the PSI antenna, maximum power density two meters above ground of 0.0044 mw/cm<sup>2</sup> is calculated to occur near the base of the tower. Since this value is only 1.4 percent of the 0.32 mw/cm<sup>2</sup> reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 14 (470-476 MHz), 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 are not exposed to excessive nonionizing radiation.