

**ENGINEERING STATEMENT**  
**IN SUPPORT OF**  
**A REQUEST FOR SPECIAL TEMPORARY AUTHORIZATION**  
**FOR KBSV-DT TO OPERATE AT REDUCED POWER ON CHANNEL 15-DT**  
**CERES, CA**

**FCC FILE No. BMPEDT-20041203AAA**

**BET-NAHRAN, INC.**

**JANUARY 27, 2006**

### **Purpose of Request**

This engineering statement is in support of a request for Special Temporary Authority "STA" to temporarily begin operation of Channel 15 DTV from an alternate location at the main studio and the licensed site of KBSV-TV NTSC transmitter facility. The proposed STA antenna will be mounted on the existing tower currently utilized by the NTSC antenna.

KBSV-DT has an outstanding construction permit BMPEDT-20041203AAA and is in possession of all of the components necessary to complete the construction of the permitted facility. However, the owner of the proposed tower has now denied access to the transmitter site and any use of their tower.

KBSV-DT has on file a request for extension of time to complete construction of the permitted transmitter facility. KBSV-DT is forced to file an FCC application requesting a modification of the Construction Permit to relocate to another transmitter site. This application for modification will be filed in the immediate future. In the interim, the permittee would like to respectfully request permission to begin broadcasting from the studio location with reduced power and with the proposed operating parameters stated below.

The proposed STA transmission facility will consist of the following: Location N 37-35-21 W 120-57-23

1. Transmitter: Harris Ranger 1 KW (TPO/Mask Filter 0.967 KW) Solid State DTV - 8BSV modulation.
2. Antenna Type : Scala UHF Pannel Array.
3. Antenna gain: 9.7 x (peak gain) <> (Dual-Lobe Pattern) <> (+ 124.0 deg Rotation) <> (- 0.0 Deg. beam tilt)
3. Transmission line: 82.3 % Efficiency, 55 meters, Andrew model HJ7-50J 1-5/8" Air Dielectric Heliax.
- 4: Antenna COR: (40 meters AGL) <> (69 meters AMSL) <> (HAAT: 42 meters)
5. ERP Calculation: (TPO: 0.967 KW) X (Coax Eff: 0.823) X (Antenna Gain: 9.7 Peak) = 7.72 Kilowatts ERP
5. Population Served: F(50/90) 41-dBu (CP = 1,115,012) <> (STA - Proposed = 598,722 Persons)
6. Area covered: F(50/90) 41-dBu (CP = 9592 KM SQ) <> (STA - Proposed = 4289 KM SQ)

Please see engineering exhibit E-1. Exhibit E-1 shows the predicted comparative F(50/90) 41-dBu contours produced by both the CP facility and the requested STA facility.

It is the opinion of this engineer that the proposed STA transmission facility will provide quality DTV service to 100% of the population of the Community Of License and beyond.

We would like to begin DTV broadcasting from the proposed temporary (STA) transmitter facility as soon as possible.

Thank you in advance for your help in this project.

If anyone concerned with this engineering statement or the enclosed request for S.T.A may require additional information or would like to discuss the enclosed proposal, please contact the following:

William Richard Green & Associates  
3200 Wilkinson Rd  
Cameron Park, CA 95682  
(530) 677-7417 FAX (530) 677-6796  
[rich@richgreen.net](mailto:rich@richgreen.net)

Respectfully Submitted

*W. Richard Green*

W. Richard Green

/ 01-27-06

Date