TECHNICAL SUMMARY
APPLICATION FOR CONSTRUCTION PERMIT
CLASS A STATION K50LZ-D
SAN LUIS OBISPO, CALIFORNIA
CHANNEL 32 10.7 KW (DA)

1. The instant application is the initial 90 day 'Checklist' application for the reassigned facilities of K50LZ-D, San Luis Obispo, California (Ch. 32). It is proposed to replace the existing side-mount antenna with a new side-mount antenna. There will be a reduction in the antenna height from 765.11 meters AMSL to 755.8 meters AMSL.[1] There will be no change in the overall structure height. There is no extension of the predicted service area relative to the baseline reassignment facility listed in the FCC's Closing and Reassignment Public Notice. Also, the proposed facility is compliant with the 95% population service requirement.

2. The proposal complies with the FCC's interference requirements based on the FCC's TVStudy program. A cell size of 2.0 km and a profile resolution of 1.0 points/km were utilized for the TVStudy analysis.

3. RFR Compliance: The proposed facilities were evaluated in terms of potential radiofrequency radiation (RFR) exposure at ground level to workers and the general public. The radiation center for the proposed DTV antenna will be located 10.6 meters above ground level. The total DTV ERP is 13.4 kW (10.7 kW-horizontal, 2.7 kW-vertical). Based on consideration of the attached vertical plane relative field pattern, the calculated power density (at 2 meters above ground level) is less than 5% of the FCC's recommended limit for an uncontrolled environment (387 uV/m^2 for channel 32) at all locations greater than 35 meters (115 feet) from the tower base. According to an agent of the applicant, the closest publicly accessible point is located 45.7 meters (150 feet) from the tower. Therefore, based on the responsibility threshold of 5%, the proposal will comply with the RF emission rules. The transmitter is located at on a remote mountaintop. Furthermore, access to the transmitting site is restricted and appropriately markets with RFR warning signs. Also, a protocol will be in effect in the event that workers or other authorized personnel enter the restricted area or climb the tower to ensure that appropriate measure will be taken to assure worker safety with respect to RFR exposure. Such measures include limiting the exposure time, wearing protective clothing, reducing power to an acceptable level or termination of transmitter output power all together until workers leave the restricted area.

[1] The antenna height listed for K50LZ-D in the FCC's Technical Parameters for Post-Auction Table of Allotments, of 765.11 meters AMSL, is not, based on our review of relevant Commission files, correct. We submit that the correct value is 755.8 meters AMSL based on the licensed operating parameters for K50LZ-D as found in its most recent license (BLDTA-20111005AHX) and as further confirmed by K50LZ-D in the Schedule 381 Certification submitted in connection with the Reverse Auction process.