

ALLOCATION AND INTERFERENCE STUDY

PROPOSED KTTU-DT  
CHANNEL 19 - TUCSON, ARIZONA  
[AMENDMENT TO BMPCDT-20021030AAC]

The Commission allotted Channel 19 to KTTU-DT with a nominal ERP of 103.2 kw (directional) at 600 meters above average terrain. The pending application specified an ERP of 584 kw (directional) at 1,123 meters, and the instant amendment specifies 480 kw at 1,123 meters, and the same directional pattern and location.

In the pending application it was shown that the proposed KTTU-DT facility would not contribute more than two percent DTV interference to the service population of any affected NTSC or DTV station. In addition, it showed that the proposal did not result in any NTSC or DTV station receiving more than ten percent total DTV interference to viewers living within its present service area. Since this amendment simply reduces ERP, there is no need to submit another interference study.

KTTU-DT will operate in the Tucson market. In that market, KGUN-DT has been granted Construction Permit BPCDT-19991021ACH for facilities of 480 kw at 1,123, which produces an average 41 db $\mu$  contour distance of 134.29 kilometers. Since the proposed KTTU-DT facility also has an average of 41 db $\mu$  contour distance of 134.29 kilometers, this amendment is in compliance with §73.622(f)(5). It should also be noted that, due to pattern differences, the KGUN-DT facility would serve an area of 49,268 square kilometers, whereas the proposed KTTU-DT facility would serve 47,022 square kilometers.