

ALLOCATION AND INTERFERENCE STUDY

PROPOSED KMSB-DT
CHANNEL 25 - TUCSON, ARIZONA
[AMENDMENT TO BPCDT-19991029AGO]

The Commission allotted Channel 25 to KMSB-DT with a nominal ERP of 666.3 kw (directional) at 507 meters above average terrain. The pending application specified an ERP of 741 kw (directional) at 1,125 meters, and the instant amendment specifies 480 kw at 1,123 meters, with a different directional pattern and a slight change in geographic coordinates.

In the pending application it was shown that the proposed KMSB-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 in all directions without a significant change in antenna height or site, there is no need to submit another interference study.

KMSB-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 μ contour distance of 134.29 kilometers. Since the proposed KTTU-DT facility also has an average of 41 db μ 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 KMSB-DT facility would serve 46,956 square kilometers.