

**ENGINEERING STATEMENT
MEREDITH CORPORATION
REQUEST FOR SPECIAL TEMPORARY AUTHORITY
KCTV, KANSAS CITY, MO
CH 24, 660 KW-ND, 344 MTR. HAAT**

This statement supports a request by Meredith Corporation, licensee of KCTV, serving Kansas City, Missouri, for Special Temporary Authority to construct and operate its digital television station at reduced facilities from that authorized in construction permit BPCDT20080619AGA.

Under the current construction permit KCTV is authorized to operate with an effective radiated power of 1000 kW at a height of 340 meters above average terrain using a non-directional antenna with only horizontal polarization. Under STA the applicant proposes to slightly increase its authorized center of radiation from 340 meters to 344 meters above average terrain using a different model of a non-directional antenna with elliptical polarization that will radiate 27% of the total power (horizontal plus vertical) in the vertical plane yielding an effective radiated power of 660 kW in the horizontal plane.

The proposed operation under STA was evaluated in terms of coverage with reference to its construction permit. Results indicate that the 48 dBu contour encompasses the entire city of license. Additionally, operation under STA will not expand the service area beyond that which has been granted under its construction permit.

An interference analysis was performed using a cell size of 2.0 km per side. The results of the analysis showed that the proposed operation for KCTV is not predicted to cause interference to more than an additional 0.5% of the population served by another full service television station. The analysis was performed using the methodology stated in OET-69 using same software (tv_process_post_transition) utilized by the Commission for analyzing interference into full power post-transition television stations as identified in post transition DTV table and, therefore, should yield similar results.