ENGINEERING STATEMENT
NW COMMUNICATIONS OF TEXAS, INC.
MINOR MODIFICATION OF CONSTRUCTION PERMIT FILE NUMBER 0000027211
KDFI, DALLAS, TX
CP: CH 27, 829 KW(H) DIRECTIONAL, 495 m HAAT
PROPOSED: CH 27, 1000 KW(CP) DIRECTIONAL, 519 m HAAT

This statement supports an application by NW Communications of Texas, Inc., licensee of KDFI, to make a minor change in its construction permit LMS File Number 0000027211 to construct its assigned post-auction television repack facility.

Applicant proposes to relocate its transmission facility to a tower located 4.96 km northwest of its current location. The proposed tower at the new location bears the FCC Antenna Registration Number of 1011407. Applicant also proposes to increase its Effective Radiated Power (ERP) from 829 kW to 1000 kW using circular polarization. The relocation of KDFI will have minor impact on its coverage area and the proposed service contour will continue to totally encompass the city of Dallas.

KDFI serves the Dallas-Ft. Worth DMA. KDFI is currently authorized to operate at 1000 kW on its pre-auction repack channel. The coverage area for KDFI at the proposed 1000 kW ERP on its post-auction repack channel is predicted to be 38841.4 square kilometers. This is less than the assigned baseline coverage of 40452.7 square kilometers for KXTX-TV, also licensed to Dallas, and the largest station in the market. KDFI is, therefore, in compliance with the requirement of §73.622(f)(5) of the rules for increasing its ERP up to a maximum of 1000 kW since the coverage for KDFI will still be less than the assigned baseline coverage of the largest station in the market.

An interference analysis was performed pursuant to the parameters used by the Commission for application interference processing, with the exception of the following.

TVSTUDY PROCESSING REQUEST

Applicant requests that the TVStudy processing be conducted with the following settings:

1. A Profile Point Spacing of 0.1 km
2. A cell size of 1 km/side

The analysis was performed using the methodology stated in OET-69 using the same software (TVStudy v2.2.3) utilized by the Commission and, therefore, should yield similar results.