Jules Cohen, P.E.
Consulting Engineer

Exhibit No. 41

APPLICATION FOR CONSTRUCTION PERMIT
KFOR-DT, OKLAHOMA CITY, OKLAHOMA
CH 27, 790 KILOWATTS, 489 METERS

Interference Considerations

KFOR-DT was assigned to operate on channel 27 with effective radiated power (ERP) of 1,000 kilowatts and antenna height above average terrain (HAAT) of 469 meters at a site identified with the coordinates 35 – 24 – 7N, 97 – 29 – 20W. The station is currently licensed (BLCDT-19991204AAL) to operate on channel 27 with ERP of 352 kilowatts and HAAT of 489 meters at a site identified with the coordinates 35 – 35 – 52N, 97 – 29 – 22W. This application for construction permit proposes an increase in ERP to 790 kilowatts with no other changes from the licensed parameters.

To determine the conformity of the proposal with Commission rules, the impact of KFOR-DT operating as proposed, was compared with the assignment of 1,000 kilowatts at 469 meters above average terrain. For that comparison, the Commission's tv_process program was employed. Of particular interest was the impact on Class A low-power station K27DF, Ponca City, Oklahoma.

Running the program for both the assignment parameters and the proposed parameters shows that the desired-to-undesired signal ratio at ten-degree intervals around the K27DF protected contour would be the same, or higher, for the proposal than for the assignment. Stated otherwise, if KFOR-DT operates as proposed, the interference to K27DF would be less than if KFOR-DT were operated as assigned.