

Exhibit ENG-1  
Engineering Statement  
KNOK-LP Channel 53 Greenville, TX  
Displacement Application  
Prepared by WES Broadcast Consultants, Inc.

I. General

The purpose of this engineering statement is to support a displacement application for KNOK-LP Channel 53 Greenville, TX. KNOK-LP Channel 43 is being displaced by KDTN-DT Channel 43 in Denton, TX .

II. Engineering

A. Proposed Site:

KVQT- LP Channel 53 will operate circular polarized with 33.48 kW at the Horizon and 33.48 kW below the horizon with a narrow "DR" azimuth pattern shown in Exhibit ANT-1, oriented at 262 degrees at the following NAD27 coordinates:

Latitude 32-02-01

Longitude 96-09-44

This is the site that is specified in the current license for this facility. However, the current parameters are not correct and they do not add up. Therefore, the site will operate at the following elevation parameters:

AGL 150m

GAMSL 158m

RCAMSL 308m

HAAT 153.44m

B. Interference Protections

KNOK-LP Channel 53 would be overlapped with four facilities, KFWD Channel 52 in Fort Worth, TX 90.1km away, KLDT-DT Channel 54 in Lake Dallas, TX 92.3km away, KXTX Channel 39 in Dallas, TX 90.3 kilometers away, and a New NTSC Channel 38 in Longview, TX 87.4km away. However, KNOK-LP Channel 53 causes less than the de-minimus standard of interference to all four facilities.

C. Radio Frequency Radiation Hazard to Humans

As, demonstrated in Exhibit RFR-1, there is no predicted radiation hazard to humans. In addition, effective radiated power will be lowered to allow for maintenance operations on the tower.

