

EXHIBIT A  
ENGINEERING STATEMENT

This displacement application requests that low power television station K57FS be granted a construction permit on channel 47. **NOTE:** The station is not being moved; the coordinates have been changed to agree with the actual location and the tower registration.

K57FS is presently out of the core channels and channel 47 is the only available displacement channel. In order to meet the FCC requirements, it is necessary to essentially co-locate with a full power adjacent channel station, request a terrain waiver on a co-channel low power television station (K47AV) and accept interference to another co-channel television station also owned by this applicant (K47GI). The following paragraphs detail these requests.

1. Co-location with adjacent channel full power KMTX-TV (9.77 kw ERP) will allow K57ES to operate without interference to KMET: both stations operate with essentially omni-directional antennas. The ERP of K57ES is 4.1 dB below the ERP of KMET and they are essentially co-located (within 1 mile, on the same uninhabited mountain); the allowable + 15 dB signal ratio is therefore never exceeded at any location within the KMET coverage area except on the uninhabited mountain in the immediate vicinity of the K57FS tower.
2. Terrain shielding provides a minimum of 36 dB of additional attenuation to the K57ES signal at any point within the coverage area of low power television station K47AV. Without the terrain shielding, there would be approximately a 14 dB interference to K47AV. With the terrain shielding, the interference level is 22 dB below the allowable level. The attenuation levels were calculated with the EDX Terrain and Rpath programs. Exhibit shows the terrain between the two stations.
3. The applicant, Better Life Television, is willing to accept any interference that might result to K47GI in Grants Pass, Oregon. (Better Life Broadcasting also owns K47GI) Actually, terrain shielding also prevents any interference in this path.

SUBMITTED BY:

Tom L. Dennis  
Registered Professional Engineer  
For the State of Texas  
68065