

Exhibit ENG-1
Engineering Statement
W69AO-LP Channel 27 Loudonville, OH
Digital Displacement Application
By WES Broadcast Consultants, Inc.

I. General

The purpose of this engineering statement is to support a Low Power Digital displacement application for W69AO-LP Channel 27 Loudonville, OH due to 2 way interference in the 700 MHz Band.

II. Engineering

A. Proposed Site:

W69AO- LP Channel 27 will operate with Stringent Mask Filtering at 2kW ERP utilizing a Trilobe directional dipole panel antenna array, with the main lobe oriented at 9 degrees at the following NAD 27 coordinates:

Latitude 40-37-58.78

Longitude 82-11-46.43

The Channel 27 facility will operate on ASR #1019219 with the following elevation parameters:

RCAGL 131m

GAMSL 353.60m

RCAMSL 484.60m

HAAT 141.44m

B. Interference Protections

The proposed Channel 27 is short to 35 facilities. However, W69AO Channel 27 causes less than 0.5 percent interference to all facilities. Exhibit 11 FLR-1 however, only demonstrates co-channel and first adjacent channels, due to the large number of non-interfering short spacings. These calculations were Performed by Radio Soft Longley-Rice version 1.2.2. with a terrain radial size of 200m.

C. Radiation Hazard to Humans

Although there is no predicted Radio Frequency Radiation Hazard to humans, this facility will lower power or turn off to assist those persons performing maintenance operations on the tower.

