

## **Engineering Statement**

This application proposes to modify the licensed facility of WNMF-LD, Facility 74513, licensed to the Applicant herein.

### **Displacement**

This is a displacement application for WNMF-LD from channel 17 to channel 10. It is displaced because the licensed channel 17 facility is within 95 km of the adjacent channel 16 reference point, which is used for land mobile radio pursuant to Section 74.709 of the Commission rules.

The Applicant proposes to move WNMF-LD to within 30 miles distance from the existing licensed facility. The F(50,90) 43 dBu contours of the proposed facility overlaps with the F(50,90) 51 dBu contours of the existing licensed facility. The proposed facility was studied using TVStudy v2.2.5 using the following parameters:

Study cell size: 1.00 km  
Profile point spacing: 0.20 km

It is believed that the proposed facility complies with 47 C.F.R. Sections 74.709, 74.793(e), 74.793(f), 74.793(g), 74.793(h).

### **Digital TV and Class A Station Protection**

The proposed facility causes less than 0.5% interference to surrounding digital and Class A television stations and allotments and facilities (i.e., “*de minimis*”) based on TVStudy v2.2.5. It is believed that the proposed operation is in compliance with the spirit and intent of the FCC’s interference standards.

### **Low Power TV and TV Translator Station Protection**

The proposed facility causes less than 2.0% interference to surrounding low power licenses and construction permits (i.e., “*de minimis*”) based on TVStudy v2.2.5. It is believed that the proposed operation is in compliance with the spirit and intent of the FCC’s interference standards.

### **Environment Effect**

The proposed facility is deemed individually and cumulatively to have no significant effect on the quality of the human environment and are categorically excluded from environmental processing as defined by 47 C.F.R. § 1.1306. Additionally, the Applicant certifies that it will reduce power or cease operation as necessary to protect any persons from having RF exposure in excess of FCC guidelines.