

## **Exhibit #16**

### **R.F. EMISSIONS COMPLIANCE STATEMENT**

Concerning the Application of  
Northern Arizona University  
To Construct a New FM Translator  
To Serve Cottonwood, Arizona  
Long Form – BNPFT20030310AKI

August 2003

The proposed translator has an ERP of 0.01 kW in the vertical plane. It will be combined with three other translators, all having 0.01 kW ERP vertical, resulting in a combined total ERP of 0.40 kW vertical. Based on the formulas expressed in the OET Bulletin, No. 65, August 1997, "Evaluating Compliance with F.C.C. Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields", published by the Federal Communication Commission's Office of Science and Engineering, the proposed facility is predicted to produce a worst-case maximum R.F. non-ionization radiation level at a position six feet above the tower base (head level - based on the C.O.R. of 15 meters above ground minus 2 meters) of 7.908 microwatts per square centimeter. This figure is without regard for the antenna's vertical elevation field value toward the nadir, which will cause a reduction in the predicted "worst case" calculations. 7.908 microwatts per square centimeter is 0.79 percent of the maximum standard value for the frequency in use for a controlled area and 3.95 percent of the maximum for an uncontrolled area.

There are no other sources of RF emissions on the tower.

Since "worst case" calculations were used and since it is well known that the actual RF power density level is considerably reduced at vertical angles toward the nadir the applicant is confident that there will be no exposure at the transmitter site greater than the maximum.

The applicant will protect workers on the tower by either reducing ERP or terminating transmission. A sign will be posted warning workers of the antenna, with a phone number to contact someone to reduce or terminate power.

Consequently, it appears that the proposed FM station will be in full compliance with the Commission's human exposure to radiofrequency electromagnetic field rules and regulations.