

## **Exhibit 17**

### **Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields at a Proposed FM Translator Station Serving the Community of Wenatchee, Washington.**

This is an assessment of compliance with FCC guidelines for maximum permissible exposure to radiofrequency energy at a proposed radio facility. This facility is the subject of an FCC application by Jerald Edson Isenhart Trust.

#### **Current Status of the Maximum Permissible Exposure Limit:**

The proposed site is an existing communications tower owned by Washington Communications LLC. The site contains numerous cellular antennas and two way communication antennas. From an examination of satellite pictures, there appear to be two other towers in the nearby vicinity with cellular or other two-way antennas. The site appears to be an established communications site with fences around the towers and radiofrequency electromagnetic exposure warning signs mounted in appropriate locations. The site is in a remote area not easily accessible by the public. There are no known residences in the nearby area. There is an existing 50 watt FM translator on the same tower and applicant proposes to share space with another translator on 105.9 mhz.

#### **Contribution to the Maximum Exposure Limit by the Proposed FM Translator Station:**

The proposed addition to the existing facility will place a transmitter antenna radiation center 7 meters above ground level. The maximum ERP will be 0.002 kW horizontal and 0.002 kW vertical. The translator will operate on a frequency of 103.5 Mhz. The proposed will have minimal impact on the overall radiofrequency exposure at the site. Assuming the worst possible case, the proposed facility will result in less than 61.5uW/cm<sup>2</sup> of radiofrequency electromagnetic field 2-meters above ground level at the closest point of approach to the antenna support structure. This level represents less than 30.7% of the FCC limit for maximum permissible exposure (MPE) for general population/uncontrolled exposure in the 30 to 300 mHz range.

#### **Conclusions:**

The construction of the proposed FM translator station will have a minimal affect on the MPE levels in the vicinity of the tower. However, neither the general population/uncontrolled MPE limits nor the occupational/controlled MPE limits will be exceeded at ground level plus 2-meters. Applicant will work with other site users to limit worker exposure, including shutting the translator off if necessary to protect the workers. Thus the proposal is in compliance with Commission guidelines to prevent excessive RF exposure to the public and site workers.