

### **Justification for Extraordinary Circumstances**

Educational Media Foundation (EMF) respectfully requests to operate K224DL (FIN 60136) with variance from the K224DL licensed parameters. The K224DL transmit antenna has been damaged by winter weather.

EMF is requesting to operate a temporary single bay directional antenna at the licensed location while repairs are completed to the damaged antenna. Note that the proposed STA service contour at no point extends beyond the licensed service contour as seen in Exhibit 1-A.

EMF plans to move forward as quickly as possible with the repair of the K224DL transmit antenna. A grant of this Special Temporary Authorization is in the public interest as a portion of the K224DL listeners who depend on its programming will continue to be served.

#### **K224DL Licensed Parameters:**

Antenna Structure Registration Number: 1207367  
Site Locations: 45-30-57.4 N 122-44-03.4 W (NAD 83)  
Site Elevation: 323m  
Structure Overall Height: 301.7m  
Antenna Center of Radiation Above Ground Level: 232m  
Antenna Center of Radiation Above Mean Sea Level: 555m  
Antenna Center of Radiation Height Above Average Terrain: 464.9m  
Effective Radiated Power: 99 watts  
Antenna: Jampro JLCP single bay

#### **K224DL Proposed ENG STA Parameters:**

Antenna Structure Registration Number: 1207367  
Site Locations: 45-30-57.4 N 122-44-03.4 W (NAD 83)  
Site Elevation: 323m  
Structure Overall Height: 301.7m  
Antenna Center of Radiation Above Ground Level: 30m  
Antenna Center of Radiation Above Mean Sea Level: 353m  
Antenna Center of Radiation Height Above Average Terrain: 263.1m  
Effective Radiated Power: 99 watts  
Antenna: Scala CLFM-V oriented at 128 degrees true north