

### **Engineering STA Request**

Educational Media Foundation (EMF) respectfully requests a variance from the KLOF licensed parameters. The KLOF transmit antenna has been damaged in a recent winter storm.

EMF is requesting to operate a temporary single bay omni 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 antenna. A grant of this Special Temporary Authorization is in the public interest as a portion of the KLOF listeners who depend on its programming will be able to continue to be served.

The KLOF Licensed and STA Request Facilities:

|                                   | Licensed                  | Eng STA                   |
|-----------------------------------|---------------------------|---------------------------|
| Channel / Class                   | 205A                      | 205A                      |
| ASRN                              | 1009683                   | 1009683                   |
| Geographical Coordinates<br>NAD83 | 44 12 33.9<br>105 28 06.0 | 44 12 33.9<br>105 28 06.0 |
| Overall Tower Height              | 40.9m                     | 40.9m                     |
| Site Elevation AMSL               | 1532m                     | 1532m                     |
| COR AGL                           | 17m                       | 8m                        |
| COR AMSL                          | 1549m                     | 1540m                     |
| HAAT                              | 121m                      | 112m                      |
| ERP                               | 1.4 kW (H&V, non-DA)      | 0.38 (H&V, non-DA)        |
| Antenna                           | Shively 6812-2            | Nicom BKG77-1             |

GLOBE terrain data