

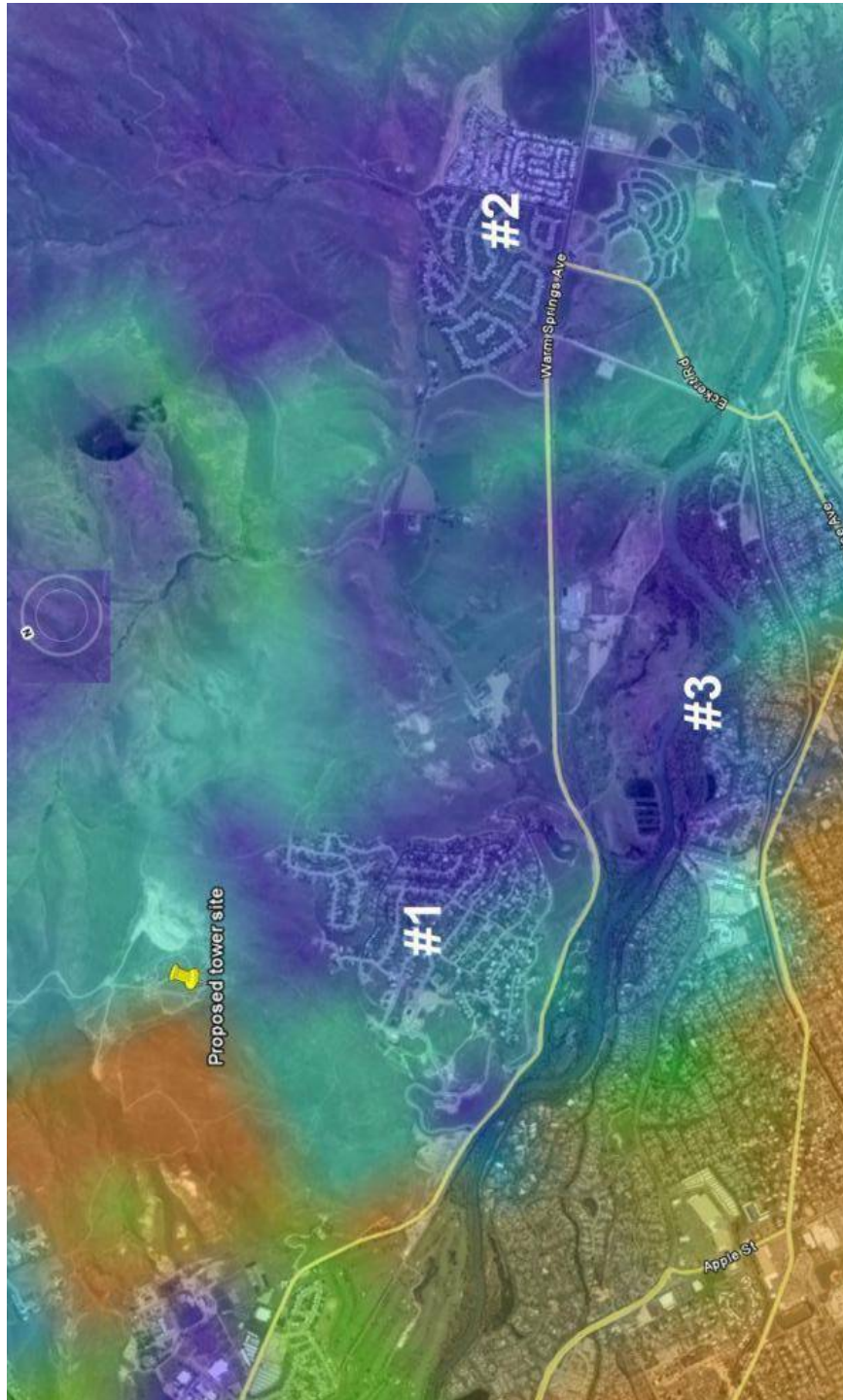
Exhibit # 43
Form 340
CFR 47, Section 73.626 (f) (4) Response
State Board of Education, State of Idaho

In response to Section 73.626 (f) (4) *“The coverage from one or more DTS transmitter(s) is shown to provide principal community coverage as required in §73.625(a);.”*

Applicant states that there are a few “low signal areas” within the KAID-DT authorized principal community service area where there is marginal to below threshold of visibility (TOV) signal levels which Applicant desires to augment. Over the air (OTA) viewers would have to go to extreme measures within these areas to gain reliable reception. These low signal areas are illustrated on the accompanying graphic pages via a signal analysis utilizing a Longley-Rice Irregular Terrain model.

The coverage maps for the KAID-DT transmitter consist of an image that is "draped" on top of the terrain in Google Earth. The colors simulate signal path loss from the KAID-DT transmitter to every pixel in the overlay image. Or in other words, a virtual receiver is placed at every pixel in the image and simulated taking into account transmitter antenna pattern effects, terrain data and EIRP. The cooler the colors, the greater the demonstrated path loss. On our maps, the color purple denotes approximately 220dB path loss, which would make OTA reception nearly impossible at those locations. On both maps, the numbered areas demonstrate where the proposed DTS system will effectively supplement the low signal areas in our principal community of license.

Harris Ranch Low Signal Areas



Boise Front Low Signal Areas

