

EXHIBIT 18

CSN INTERNATIONAL

TV 6 Channel Study

The proposed site is 15.46 km from KPVI, a TV Channel 6 station in Pocatello, ID. This is well within the guidelines of 195 km shown in Table A, §73.525 of the Commission's rules. This exhibit demonstrates that the proposed station will not cause interference in an area containing more than the 3,000 persons as specified in §73.525(c).

The affected population in the area of interference was determined as follows:

- 1) A chart was prepared tabulating the data from §73.599 Figure 1 for channel 212. It shows each protected contour of the TV station, the associated undesired/desired ratio, and the resultant interfering contour (=TV6 protected contour + U/D ratio) for the proposed FM station to create "just perceptible" interference.
- 2) Since the proposed FM antenna is Vertically polarized, the predicted area of interference lies entirely outside the limits of a city of 50,000 persons 47 CFR §73.525(e)(4)(ii) states that calculated power is 1/40 of actual ERP, making the area of interference determined using only 0.02275 kW.
- 3) A map was prepared showing the predicted TV 6 protected contours in the area of interest and the associated predicted FM interfering contours over the same area. Contours are calculated according to the procedures specified in §73.684 for the TV protected contours and §73.313 for the FM station interference contours.
- 4) The contour plot shows that the entire area lies within the 90 dBu F(50,50) contour of the TV station, where the graph stops, so no interpolation is needed. The 89.4 dBu F(50,10) contour is the boundary of the "area of just perceptible interference". There were no centroids found to be inside the area of interference, which is located on Howard Mountain, an existing communications site. Therefore, no population lives in the "area of interference", well within the 3,000 maximum count required by §73.525(c).

Since it has been demonstrated that the population in the "area of interference" is less than the statutory limit of 3,000 on KPVI, the Commission may properly grant the proposed construction permit.

Channel-Six TV Protection Study

KPVI LI 06- 2C Dom 100.000 kW 466 M HAAT V HN
Pocatello ID 2078M COR AMSL
N. Lat= 42 55 15, W. Lng= 112 20 44
Oregon Trail Broadcasting BLCT2335
Fac ID# 909129273, Cutoff Date=
Dist.=15.45537 km, Azi=65.2°, Rev Azi=245.2°

Direct line HAAT Grade B, 47 dBu= 127.2 km & Grade A= 72.07 km

Distance from reference to Grade B = -111.74 km

Cutoff Dist from FM Translator= 135

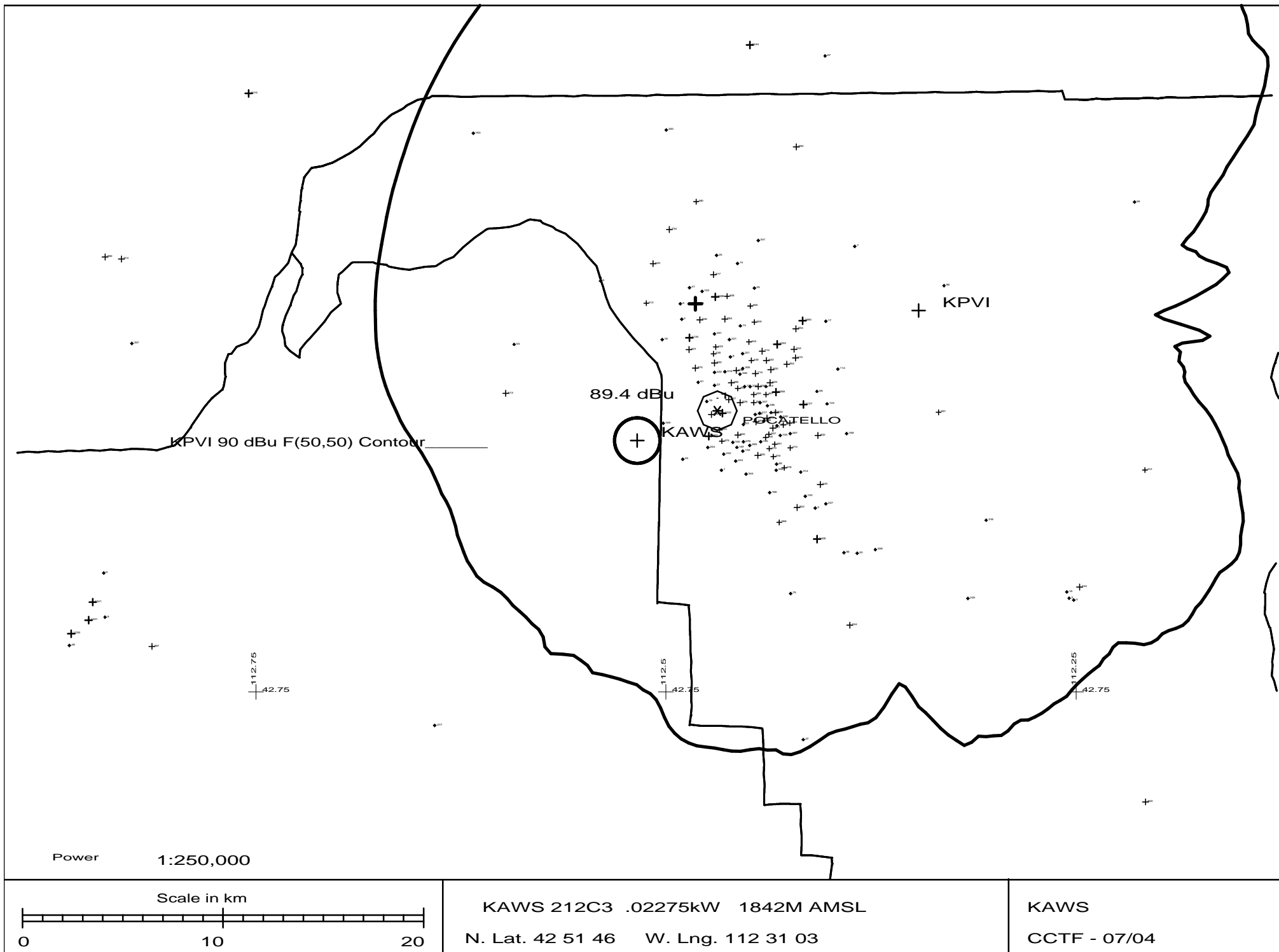
Translator Interference Contour= 74 dBu

KPVI Signal Contour at Reference location = 98.1 dBu

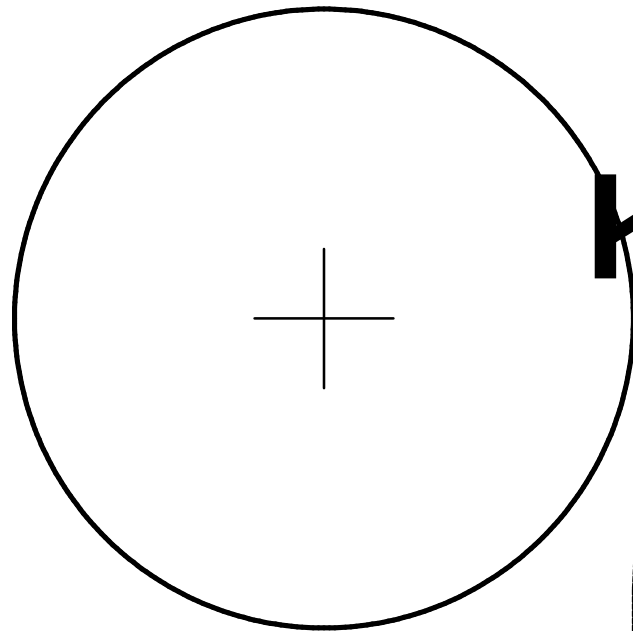
CH. 212, U/D ratio = -.7 dB, Maximum FM signal = 89.4 dBu , add 6 dB if within angle.

TV/FM D to U values

47.0	68.8	55.0	67.6	63.0	69.2	71.0	73.9	79.0	80.1	87.0	86.
48.0	68.5	56.0	67.6	64.0	69.7	72.0	74.7	80.0	81.0	88.0	87.
49.0	68.1	57.0	67.7	65.0	70.1	73.0	75.4	81.0	81.8	89.0	88.
50.0	67.8	58.0	67.8	66.0	70.7	74.0	76.2	82.0	82.6	90.0	89.
51.0	67.7	59.0	67.9	67.0	71.2	75.0	76.9	83.0	83.4	91.0	89.
52.0	67.6	60.0	68.2	68.0	71.8	76.0	77.7	84.0	84.2	92.0	89.
53.0	67.5	61.0	68.5	69.0	72.5	77.0	78.5	85.0	85.1	93.0	89.
54.0	67.5	62.0	68.8	70.0	73.2	78.0	79.3	86.0	85.9	94.0	89.



89.4 dBu



KAWS

+ 61

+ 169

+ 25

EXHIBIT 18

TV6 Interpolation

Channel 212 – 90.3MHz

Radius 195 km

TV Contour	Undesired/Desired Ratio	Total
90	-.7	89.4