

EXHIBIT 19
KGSF Green Forest, AR
Minor Amendment
BMPED-20070430AEP
TV Channel 6 Compliance Showing

This proposal is 144.72km from KEMV Mountain View, AR, a 100kW TV6 station with a CORAMSL of 753m and 424m HAAT. This is within the guidelines of 235 km as shown in Table A of the 47 CFR, 73.525(c). 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). This is done using a vertical only polarization.

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

- 1) A chart was prepared tabulating the data from 73.599 Figure 2 for channel 204. 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) A power correction is made for the vertical polarization. The resulting ERP is .08875kW ($=H+V/40=0+3.55/40$ kW), since the Area of Just Perceptible Interference does not cross into a city of over 50,000 people. This ERP has been rounded to .09kW in the attached TV 6 Map.
- 3) A Map was prepared showing the predicted TV6 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. To keep the map simple, only the 47dBu F(50,50) contour of KEMV and the 56.3-dBu F(50,10) contour of the proposed are shown. There is no prohibited contour overlap, due to the vertical only polarization being used. No further study is necessary.

Because the proposed contains less than the allowed maximum of 3,000 persons inside the Area of Interference, the Commission may properly grant the proposed construction permit.

Channel-Six TV Protection Study

KEMV LI 06- 2E Dom 100.000 kW 424 M HAAT V HN
Mountain View AR 753M COR AMSL
N. Lat= 35 48 47, W. Lng= 92 17 24
Arkansas Educational Telev BLET19800903KE
Fac ID# 2777, Cutoff Date= 1
Dist.=144.7159 km, Azi=114.5°, Rev Azi=294.5°

Direct line HAAT Grade B, 47 dBu= 106.37 km & Grade A= 56.82 km

Distance from reference to Grade B = 38.35 km

Cutoff Dist from Full Service= 235

Maximum Co-located power= 5 kW

KEMV Signal Contour at Reference location = 35.6 dBu

CH. 204, U/D ratio = 9.3 dB, Maximum FM signal = 56.3 dBu , add 6 dB if within angle.

TV/FM D to U values

47.0	56.3	55.0	60.9	63.0	65.7	71.0	71.5	79.0	78.0	87.0	84.7
48.0	56.8	56.0	61.5	64.0	66.3	72.0	72.2	80.0	78.8	88.0	85.6
49.0	57.4	57.0	62.1	65.0	67.0	73.0	73.0	81.0	79.7	89.0	86.4
50.0	57.9	58.0	62.7	66.0	67.7	74.0	73.8	82.0	80.5	90.0	87.3
51.0	58.5	59.0	63.3	67.0	68.5	75.0	74.7	83.0	81.4	91.0	87.3
52.0	59.1	60.0	63.8	68.0	69.2	76.0	75.5	84.0	82.2	92.0	87.3
53.0	59.7	61.0	64.4	69.0	70.0	77.0	76.4	85.0	83.1	93.0	87.3
54.0	60.3	62.0	65.0	70.0	70.7	78.0	77.2	86.0	83.9	94.0	87.3

