

**Exhibit 19 Page 1**  
**Network of Glory, Inc.**  
**NCE FM Interference Area to TV 6**  
**Cole, Arkansas**

The purpose of this exhibit is to show compliance with §73.525 of the Commission's Rules. The Rules require that an applicant proposing operation on FM Channel 219, whose antenna location is less than 159 kilometers from a television channel 6 facility, furnish a map and an engineering statement, with calculations, demonstrating compliance with the Rules with regard to interference to the reception of television channel 6. There is one affected TV 6 station.

1. KTAL-TV - 93 km distant

Therefore, KTAL-TV must receive consideration.

First, the relative HAAT figures were generated for KTAL-TV using the NGDC 30 Second Database and the data from the FCC TV Database. The distances to the KTAL-TV contours were predicted according to the procedures specified in §73.684 of the Commission's Rules, "Prediction of Coverage," using the F(50,50) curves in Figure 9 of §73.699.

The applicant chooses to use circular polarization and adjustments for vertical only polarization or television receiving antenna directivity have not been utilized.

For each KTAL-TV television channel 6 field strength contour, the associated F(50,10) FM interference contour was obtained from Figure 1 of §73.599. The distances to the applicable NCE-FM interference contours were predicted according to the procedures specified in "Prediction of Coverage," using the F(50,10) curves in Figure 1 of §73.333 of the Rules. Radials were then computed every 5 degrees from the proposed NCE-FM site to the point at which interference stops occurring.

**Exhibit 19 Page 2**  
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A table of the proposed NCE-FM F(50,10) interfering contours to the KTAL-TV television channel 6 F(50,50) protected contours may be seen as Table 1 of this exhibit. A map of the interference area appears as Figure 1 of this exhibit.

These calculations are based on the appropriate F(50,50), F(50,10) and FM/TV 6 protection ratio curves for an NCE-FM station operating with facilities of 3.0 kilowatts ERP at 136 meters HAAT. Free space calculations were used when computing the field strength for distances less than 1 mile.

The total area receiving interference is 207 square kilometers within the KTAL-TV protected contour. The total population (2000 Census) receiving interference is 969 persons.

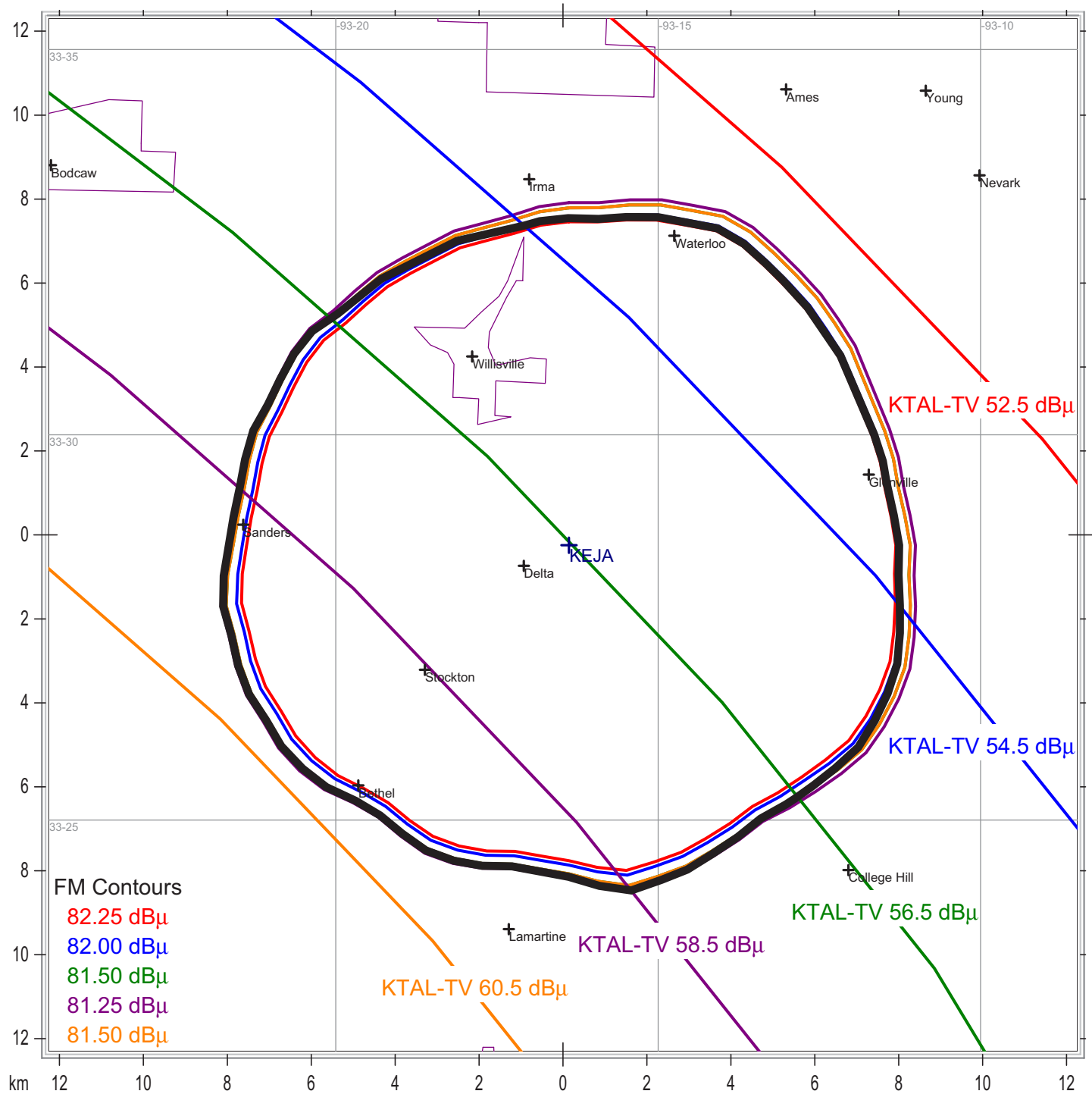
The population receiving interference is 969 persons.

Because the population receiving interference is 969 persons, the application complies with §73.525 of the Commission's Rules as pertains to interference to the reception of TV Channel 6 by NCE-FM stations.

**Exhibit 19 Table 1**  
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<b>TV Contour dB</b>	<b>U/D Ratio dB</b>	<b>FM Contour dB</b>
<b>52.50</b>	<b>29.75</b>	<b>82.25</b>
<b>54.50</b>	<b>27.50</b>	<b>82.00</b>
<b>56.50</b>	<b>25.00</b>	<b>81.50</b>
<b>58.50</b>	<b>22.75</b>	<b>81.25</b>
<b>60.50</b>	<b>21.00</b>	<b>81.50</b>

# Interference Area to KTAL-TV



**Exhibit 19 Figure 1**  
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State Borders City Borders Lat/Lon Grid