

Exhibit 19 Page 1
Big South Community Broadcasting, Inc.
NCE FM Interference Area to TV 6
Five Points, Alabama

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 203, whose antenna location is less than 246 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 are three affected TV 6 stations.

1. WBRC - 65 km distant
2. W06BG - 210 km distant
3. WOOT-LP - 224 km distant

Therefore, WBRC, W06BG, and WOOT-LP must receive consideration.

First, the relative HAAT figures were generated for WBRC, W06BG, and WOOT-LP using the NGDC 30 Second Database and the data from the FCC TV Database. The distance to the WBRC, W06BG, and WOOT-LP 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.

For each WBRC, W06BG, and WOOT-LP 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 new NCE-FM site to the point at which interference stops occurring.

A table of the proposed new NCE-FM F(50,10) interfering contours to the WBRC, W06BG, and WOOT-LP Television Channel 6 F(50,50) protected contours may be seen as Table 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 0.5 kilowatts ERP at 61 meters HAAT. Free space calculations were used when computing the field strength for distances less than 1 mile.

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The applicant chooses to use vertically polarized transmissions only. The maximum horizontally polarized ERP permissible at the same proposed antenna height (.0125 kilowatts at 61 meters A.A.T.), calculated without the adjustment for television receiving antenna directivity, multiplied by 40 ($.0125 \times 40 = 0.5$ kilowatts at 61 meters A.A.T.).

A map of the proposed new NCE-FM F(50,10) interfering contours to the WBRC, W06BG, and WOOT-LP Television Channel 6 F(50,50) protected contours may be seen as Figures 1 and 2 of this exhibit.

The total area receiving interference is 60 square kilometers. The total population (2000 Census) receiving interference is 1094 persons.

The population receiving interference is less than 3,000 persons. Because the population receiving interference is less than 3,000 persons and there is no contour overlap with W06BG and WOOT-LP, 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.

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TV Contour dB	U/D Ratio dB	FM Contour dB
47.0	6.50	63.50
65.5	- 0.50	65.00
66.5	- 0.75	65.75
67.5	- 1.00	66.50
68.5	- 1.25	67.25
69.5	- 1.50	68.00

Interference Area to WBRC

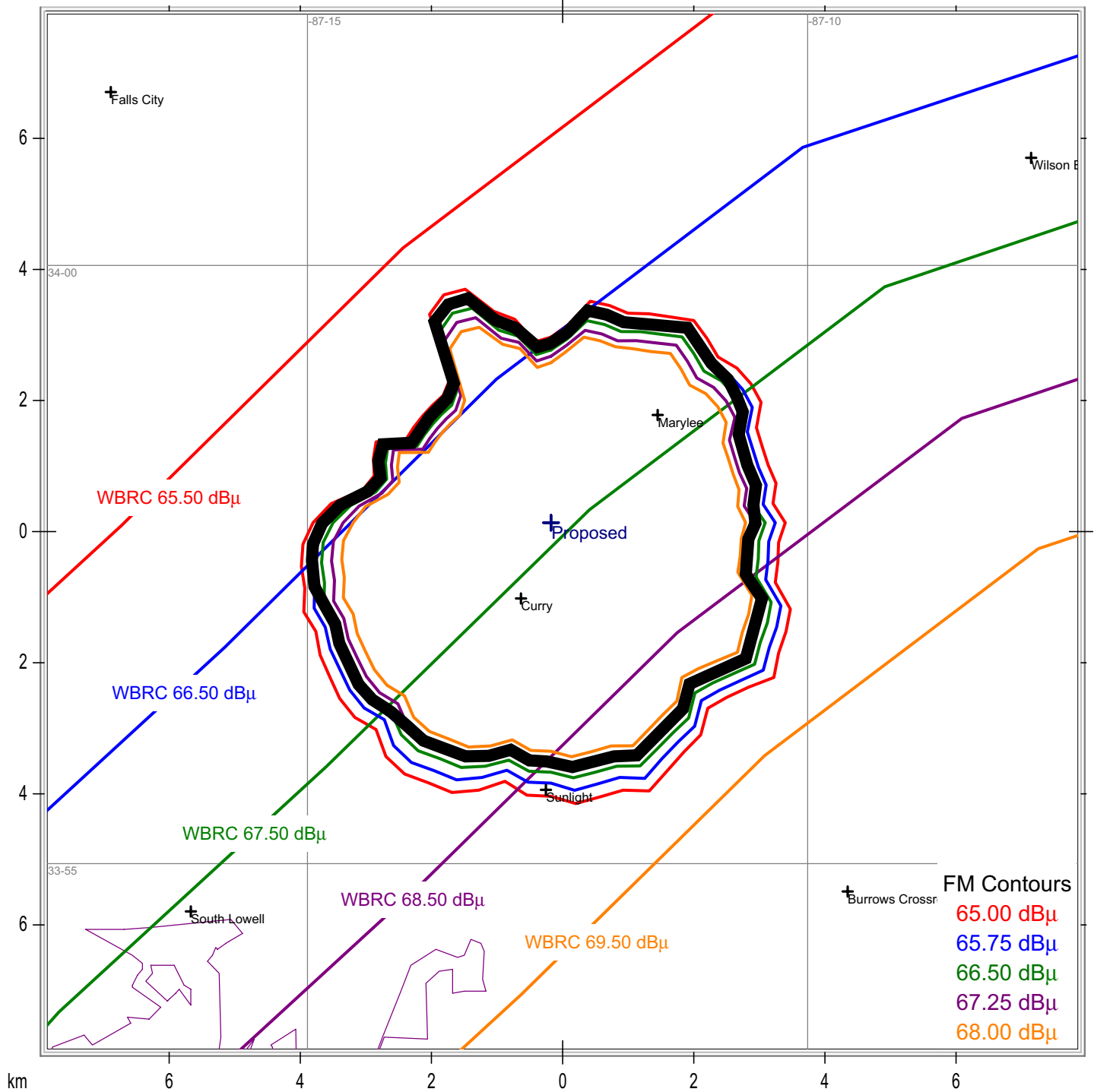


Exhibit 19 Figure 1
Big South Community Broadcasting, Inc.
Interference Area to WBRC TV 6
Five Points, Alabama

State Borders City Borders Lat/Lon Grid

 State Borders
  City Borders
  Lat/Lon Grid