

EXHIBIT 18

TV Channel 6 Compliance Showing

According to 47 CFR, 73.525 an application needs to show non interference to any TV6 station within the specified distance given in Table A of the 47 CFR, 73.525(a)(1). The distance for showing of non interference for the proposed modification on Channel 207 is 196 km. The effected Grade B contour of WBRC, a 100kW TV6 Station with a CORAMSL of 615m, is located 196.7 km from the proposed site of this amendment. WBRC is located at Latitude N. 33-29-19, and Longitude W. 86-47-58 and is licensed to Birmingham, AL. This exhibit demonstrates that the proposed station will not cause interference in an area containing more than the 3, 000 persons as specified in 47 CFR, 73.525(c). This is possible because the proposed site is located well away from significant population centers and uses vertical polarized radiation.

The effected 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 207. It shows each protected contour of the TV station, the associated undesired/desired ratio, and the resultant interfering contour (=TV6 protected contour + U/D ration) for the proposed FM station to create “just perceptible” interference.
2. Since the proposed FM antenna is of vertical polarization, a power correction is made for the polarization. The resulting ERP is 0.075kW ($=H+V/40=0.0+3/40$ kW), since the Area of Just Perceptible Interference does not cross into a city of over 50,000 people.
3. A map was prepared showing the predicted TV6 protected contours in the area of interest and the all 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 protected contour of WBRC is shown and the corresponding interfering contour of 67.3dBu F(50,10) from the proposed.
4. The contour plot shows that the 47dBu F(50,50) contour of WBRC and the plotted contour of the proposed station do not overlap. Therefore no population lives in the area of “just perceptible” interference, which is well within the 3,000 maximum required by §73.525(c).

Because the proposed amendment of BPED-19980529NCm Monroeville, AL lies entirely outside of the Grade B protected contour of 47dBu for WBRC, no interference is predicted and the Commission may properly grant the proposed construction permit.

Channel-Six TV Protection Study

WBRC LI 06- 2C Dom 100.000 kW 420 M HAAT V CY
Birmingham AL 615M COR AMSL
N. Lat= 33 29 19, W. Lng= 86 47 58
Wbrc License, Inc. BLCT19880229KI
Fac ID# 808531001, Cutoff Date=
Dist.=196.7638 km, Azi=25.4°, Rev Azi=205.4°

Direct line HAAT Grade B, 47 dBu= 109.75 km & Grade A= 59.62 km

Distance from reference to Grade B = 87.01 km

Cutoff Dist from Full Service= 196

Maximum Co-located power= 12 kW

WBRC Signal Contour at Reference location = 26.3 dBu

CH. 207, U/D ratio = 20.3 dB, Maximum FM signal = 67.3 dBu , add 6 dB if within angle.

TV/FM D to U values

47.0	67.3	55.0	66.3	63.0	67.9	71.0	72.7	79.0	79.0	87.0	85.6
48.0	67.0	56.0	66.4	64.0	68.4	72.0	73.5	80.0	79.8	88.0	86.4
49.0	66.6	57.0	66.5	65.0	68.8	73.0	74.2	81.0	80.6	89.0	87.3
50.0	66.3	58.0	66.6	66.0	69.4	74.0	75.0	82.0	81.4	90.0	88.2
51.0	66.2	59.0	66.8	67.0	70.0	75.0	75.8	83.0	82.2	91.0	88.2
52.0	66.2	60.0	67.0	68.0	70.6	76.0	76.6	84.0	83.0	92.0	88.2
53.0	66.1	61.0	67.3	69.0	71.3	77.0	77.4	85.0	83.9	93.0	88.2
54.0	66.2	62.0	67.5	70.0	72.0	78.0	78.2	86.0	84.7	94.0	88.2

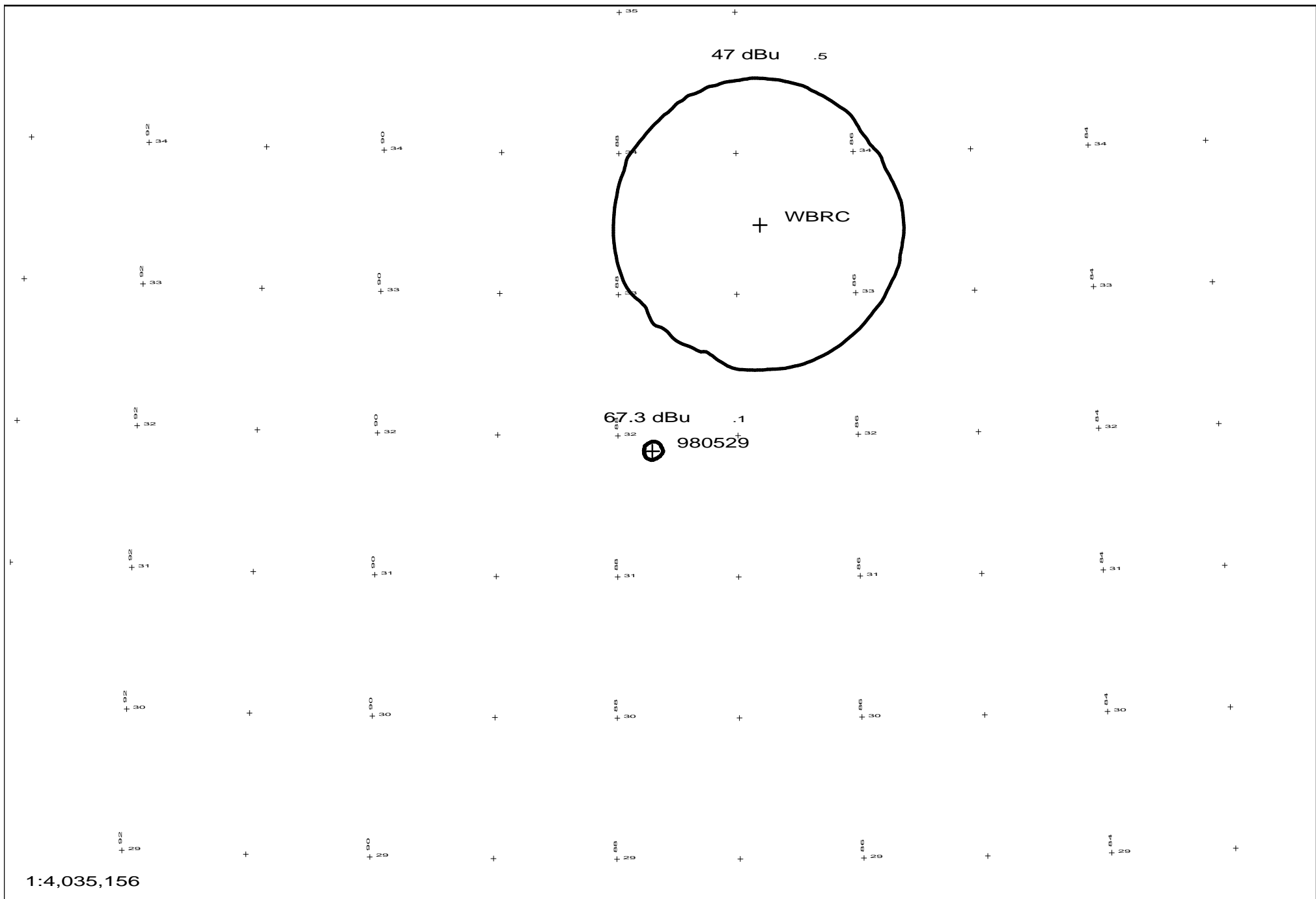
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TV6 Interpolation

Channel 207 – 89.3MHz

Radius 196 km

TV Contour	Undesired/Desired Ratio	Total
47	20.3	67.3



Kilometers



0

100

980529 207C2 .075kW 228M AMSL
N. Lat. 31 53 28 W. Lng. 87 42 45

TV 6 Study

CSN - 12/04