

**Exhibit E-18**

This exhibit demonstrates that the proposed facility would be in compliance with the provisions of Section 73.525 of the Commission's Rules as pertains to television channel six interference protection.

There is one affected television station to which WCBU must demonstrate protection. That station is KWQC-TV at Davenport, Iowa, which is located at a distance of 127.3 kilometers from the WCBU transmitter site at an azimuth of 323.6 degrees true. The attached map demonstrates that there is an area of predicted interference to KWQC-TV. This area is 673.58 square kilometers in size, and according to the 2000 Census data, there are 48,542 residents within this area.

The interference area was determined by defining the locus of the intersections between the appropriate interfering contours of WCBU and the corresponding service contours for KWQC-TV. Since the area of interference would lie within the range of azimuths defined in Section 73.525(e)(1)(iii), the 6 dB adjustment was employed. This population receiving interference from WCBU may, however, be removed.

The predicted area of interference lies within Fulton, Peoria, and Woodford counties. These three counties are located outside the Quad Cities

DMA, of which KWQC-TV is a part, and within the Peoria-Bloomington DMA. In addition, the area of interference is located entirely within the predicted 80 dBu or city grade service contour of WEEK-TV at Peoria, Illinois. The sole network affiliation of WEEK-TV is NBC, which is the same network affiliation of KWQC-TV. The population within this interference area may then be subtracted in accordance with the Commission's Rules.

Since the area of interference may be subtracted, WCBU would effectively cause interference to 0 residents. As a result, it is respectfully submitted that the proposed facility would be in compliance with the provisions of Section 73.525 of the Commission's Rules.

