

**Exhibit 18**  
**CSSI Non-Profit Educational Broadcasting Corporation**  
**NCE-FM Interference To Television Channel 6**  
**Stephenville, Texas**

The purpose of this exhibit is to show compliance with Section 73.525 of the Commission's Rules. The Rules require that an applicant proposing operation on FM Channel 206, whose antenna location is less than 211 kilometers (131.11 miles) 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. The applicant proposes to locate its antenna 151.41 kilometers from KCEN-TV television channel 6 Temple, Texas, 182.20 kilometers from KAUZ-TV television Channel 6 Witchita Falls, Texas and 221.51 kilometers from KIDY television Channel 6 San Angelo, Texas. Therefore, KCEN-TV, KAUZ-TV and KIDY must all receive consideration.

First, the relative HAAT figures were generated for each of the three affected television stations using the NGDC 3 Second Database and the data from the FCC TV Database. The distance to each station's contours was 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 Section 73.699.

For each affected television Channel 6 field strength contour, the associated  $F(50,10)$  FM interference contour was obtained from Figure 1 of Section 73.599. The distances to the applicable NCE-FM interference contours was predicted according to the procedures

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specified in "Prediction of Coverage," using the F(50,10) curves in Figure 1 of Section 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. 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 1,200 Watts ERP at 133 meters HAAT. Free space calculations were used when computing the field strength for distances less than 1 mile.

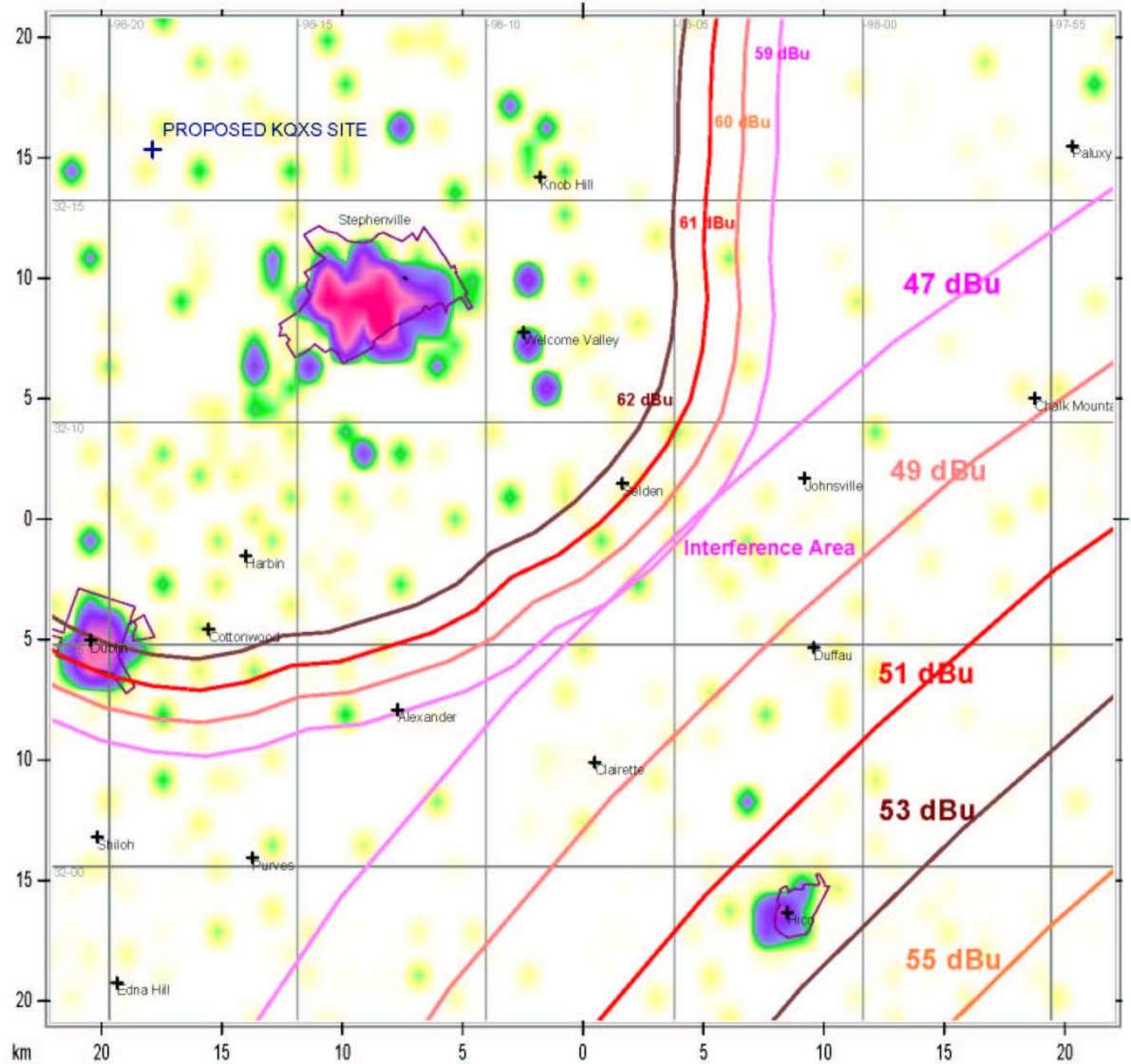
There is no overlap of interfering contours between KQXS and either KAZY-TV or KIDY, therefore it may be assumed that no interference exists.

Calculations of KQXS (F50,10) interfering contours to the KCEN-TV (F50,50) protected contours may be seen as Figure 1 of this exhibit.

The total area receiving interference is 1.58 square kilometers. The total population (2002 Census) receiving interference is 38 persons (See Exhibit E-18 - Figure 1).

Because the population receiving interference is less than 3,000 persons, the application complies with Section 73.525 of the Commission's Rules as pertains to interference to the reception of TV Channel 6 by NCE-FM stations.

Exhibit 18 - Figure 1 - KQXS to KCEN-TV Interference Area



KCEN-TV 47 to KQXS 59 (U/D = +12)

Area 1.58 square kilometers & 36 persons