

Exhibit 19 TV 6 Protection
NEW, Muenster, TX (FIN: 174356)

BNPED-20071022APE

47C.F.R. § 73.525 requires a study for all TV6 stations within 235 km of a proposed NCE-FM application operating on channel 204. KUAZ-TV is 95.7 km from the proposed transmit site and is the only authorized TV6 station affected by this proposal. Since the proposed FM antenna is vertically polarized, a power correction is made for the polarization. The equivalent power is $H + V/40 = 0.0 + 4.5/40 = .113$ kW, since the predicted area of interference lies entirely outside the city limits of a city of 50,000 persons (47 C.F.R § 73.525(e)(4)(ii)). Please refer to the map and exhibit on the following page. The area of interference has been determined to contain 1,448 persons according to data from the 2000 U.S Census. Since this is less than the 3,000 persons allowed by 47 C.F.R § 73.525(c), this application meets all the requirements of 47 C.F.R. § 73.525.

TV6 Calculation for Muenster, TX

TV6 Call sign
KAUZTV

Fcc Search
50.6 dBu

City
Wichita Falls

State
TX

COR AMSL (m)
611

HAAT(m)
311

Latitude
335404

Longitude
983221

+

TV ERP (kW)
100.000

FM Horizontal ERP

☒ Outside City Of 50k

TV

FM

47

54

1

Plot Scale
1000

☒ DLG ☐ AJPI

☒ Hide Zeros ☒ TIGER

☒ Plot All Centroids

☒ Plot Inside Centroid Counts

☐ Plot All Centroid Counts

☒ Plot Contours

☐ Print All Centroids to -3 dBu

☐ Print Centroids

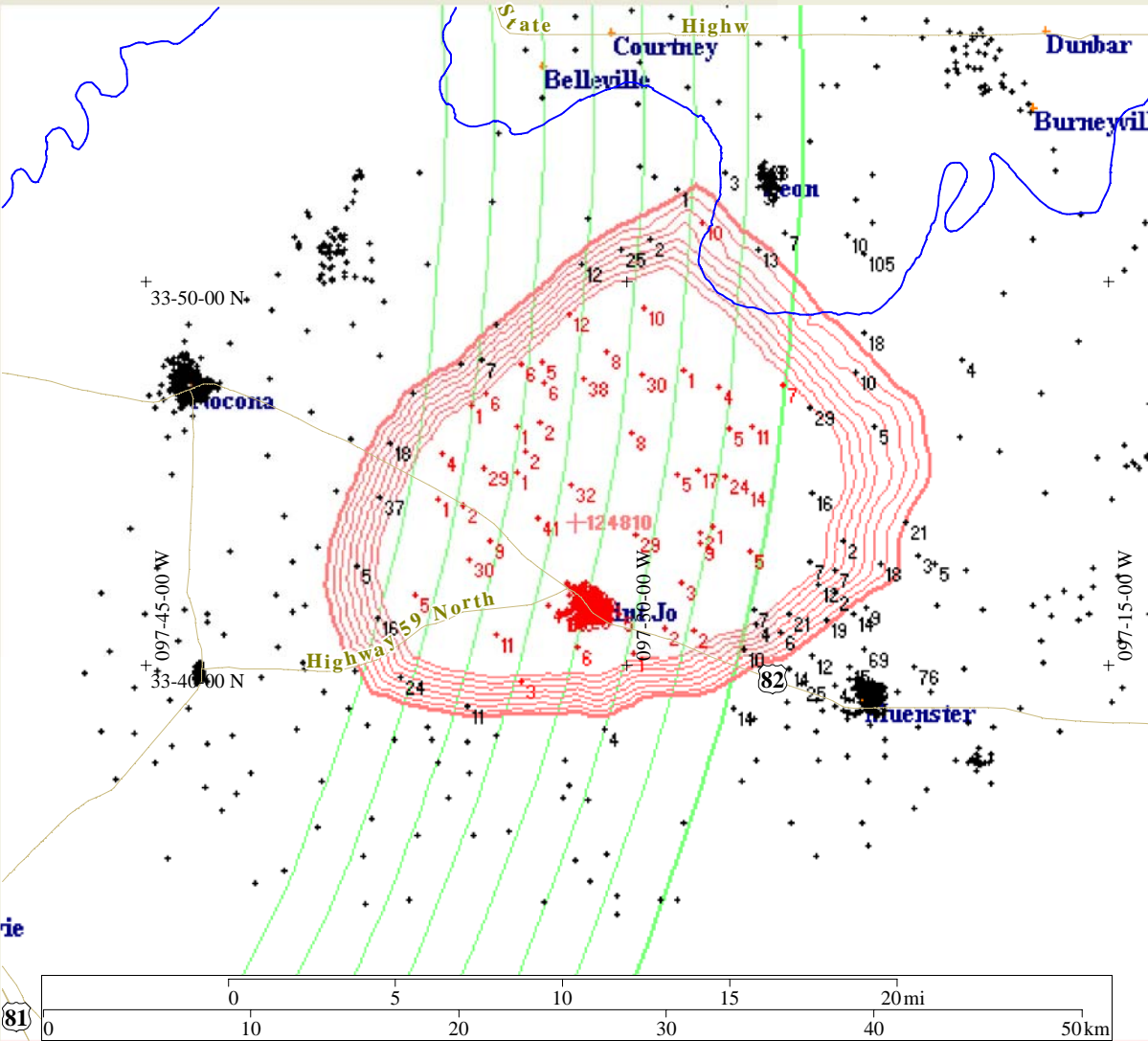
☒ Print TV Contour Table

Comp

Copy F

PrintText

Print Form



Channel Six TV Protection Study

KAUZTV 06 100.000kW ERP 611.0M COR AMSL 311.0M HAAT Lat. 335404 Lon. 983221
124810 204 4.500kW ERP 480.0M COR AMSL 163.0M HAAT Lat. 334343 Lon. 973136

Distance from TV to FM 95.6771km Azi 281.5degr Rev Azi 101.5 degr
Cutoff radius for channel 204 is 235 km

The FM horizontal polarization component is 0.000 kW,
and the area of just perceptible interference does not intersect a city of 50k,
so the effective ERP is (Pw/40+Ph) 0.1125kW

The TV6 signal strength at the FM transmit site is 50.600 dBu

TV Contour	Undesired/Desired Ratio	Total
47	9.4	56.4
48	8.9	56.9
49	8.4	57.4
50	8.0	58.0
51	7.5	58.5
52	7.1	59.1
53	6.8	59.8
54	6.4	60.4

Population in affected area 1448

2000 Block Centroids used