

Compliance with 47 C.F.R. 73.525

There are several considerations outlined in 47 C.F.R. 73.525 for TV channel 6 protection. Outlined below are the various factors as they apply to the proposed operation and KSVI -TV.

1. Distance between proposed operation and KSVI - TV

47 C.F.R. 73.525(a)(1) requires a minimum separation of 196 kilometers for a channel 209 operation. The distance between the proposed station and KSVI -TV is 33.31 kilometers.

2. Population Limitation

When a proposed non-commercial station is not co-located with the channel 6 station in question, the applicant is required to show that the interference area (as predicted by the procedures outlined in 47 C.F.R. 73.525(e)(1)) contains no more than 3,000 persons. The actual population figures are contained in Exhibit 18 A and a map of the interference area is shown in Exhibit 18 B.

3. Vertically Polarized Transmissions

When an applicant wishes to use vertically polarized transmissions only, C.F.R. 74.525(e)(4) limits the vertical ERP to the maximum permissible horizontally polarized ERP multiplied by 40 (if the predicted interference area lies entirely outside the limits of a city of 50,000 persons) or 10 (if not). The maximum permissible horizontally polarized ERP for the proposed facility is 0.0675 kilowatts (See Exhibit 18 B). Since the predicted interference area lies entirely outside the limits of a city of 50,000 persons, that is multiplied by 40 to obtain the vertical-only ERP of 2.7 kilowatts specified in this application.

For the reasons outlined above, the proposed operation fully complies with the provisions of 47 C.F.R. 73.525.

Population Report

V-Soft Communications Population Report

Contour Parameters:

Type: FCC Contour

F(50-10) FS: 67.30 dBu [360 Radials]

Population Database: 2000 US Census (SF1)

Primary Terrain: V-Soft 30 Second US Database

Secondary Terrain: V-Soft 3 Second US Terrain

Transmitter Information:

Call Letters: KBIL

Latitude: 45-51-12 N

Longitude: 108-45-50 W

ERP: 0.0675 kW

Channel: 209

Frequency: 89.7 MHz

AMSL Height: 1314.0 m

Elevation: 1274.0 m

Horiz. Antenna Pattern: Directional

Vert. Elevation Pattern: No

Total Population Within Contour: 312

Total Housing Units Within Contour: 117

Total Area Within Contour: 149.03 sq. km

Exhibit 18 B

KBIL

Latitude: 45-51-12 N
Longitude: 108-45-50 W
ERP: 0.0675 kW
Channel: 209
Frequency: 89.7 MHz
AMSL Height: 1314.0 m
Horiz. Pattern: Directional
Vert. Pattern: No

KSVI

BLCT19930119KE
Latitude: 45-48-26 N
Longitude: 108-20-25 W
ERP: 100.00 kW
Channel: 06Z
Frequency: 85.0 MHz
AMSL Height: 1287.0 m
Elevation: 1143.77 m
Horiz. Pattern: Omni
Prop Model: None

