

73.525 Compliance

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 the following Channel 6 facilities; KCENTV and KRISTV.

1. Distance between proposed operation and KCENTV and KRISTV

47 C.F.R. 73.525(a)(1) requires a minimum separation of 265 kilometers for a channel 201 operation. The distance between the proposed station and the referenced channel 6 facilities are as follows:

KCENTV 192.05 kilometers

KRISTV 201.21 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 interfering contour of the proposed operation does not cross the Grade B contour of any of the affected TV Channel 6 facilities (see Exhibit 18-A), therefore there is no interference area.

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

Exhibit 18-A

KZAR.C

Latitude: 29-32-54 N
Longitude: 097-24-21 W
ERP: 2.30 kW
Channel: 201
Frequency: 88.1 MHz
AMSL Height: 245.0 m
Elevation: 116.0 m
Horiz. Pattern: Omni

KCENTV

BLCT19811231KH
Latitude: 31-16-24 N
Longitude: 097-13-14 W
ERP: 100.00 kW
Channel: 06+
Frequency: 85.5 MHz
AMSL Height: 756.0 m
Horiz. Pattern: Omni
Vert. Pattern: Yes
Elec Tilt: 0.66

KRISTV

BLCT19880331KT
Latitude: 27-44-28 N
Longitude: 097-36-08 W
ERP: 100.00 kW
Channel: 06Z
Frequency: 85.0 MHz
AMSL Height: 307.0 m
Horiz. Pattern: Directional
Vert. Pattern: Yes
Elec Tilt: 0.8

