

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 WDAY-TV.

1. Distance between proposed operation and WDAY-TV

47 C.F.R. 73.525(a)(1) requires a minimum separation of 211 kilometers for a channel 206 operation. The distance between the proposed station and WITI-TV is 115.37 kilometers.

2. 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 0.0425 kilowatts. 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 1.7 kilowatts specified in this application.

3. 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 WDAY-TV (see Exhibit 19-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 19-A

KLUU.P

Latitude: 46-50-05 N
Longitude: 098-41-31 W
ERP: 0.0425 kW
Channel: 206
Frequency: 89.1 MHz
AMSL Height: 538.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model:

WDAYTV

BMLCT624
Latitude: 47-00-43 N
Longitude: 097-11-58 W
ERP: 100.00 kW
Channel: 06Z
Frequency: 85.0 MHz
AMSL Height: 643.0 m
Horiz. Pattern: Omni
Vert. Pattern: Yes
Elec Tilt: 0.0

