

## Federal Communications Commission

## § 74.709

(e) As an alternative to the preceding paragraphs of §74.707, an applicant for a low power TV or TV translator station may make full use of terrain shielding and Longley-Rice terrain dependent propagation prediction methods to demonstrate that the proposed facility would not be likely to cause interference to low power TV, TV translator and TV booster stations. Guidance on using the Longley-Rice methodology is provided in *OET Bulletin No. 69* (but also see §74.793(d)). Copies of *OET Bulletin No. 69* may be inspected during normal business hours at the: Federal Communications Commission, Room CY-C203, 445 12th Street, SW., Reference Information Center, Washington, DC 20554. This document is also available through the Internet on the FCC Home Page at <http://www.fcc.gov>.

[47 FR 21498, May 18, 1982, as amended at 47 FR 35990, Aug. 18, 1982; 48 FR 21487, May 12, 1983; 52 FR 31403, Aug. 20, 1987; 62 FR 26722, May 14, 1997; 65 FR 58467, Sept. 29, 2000; 69 FR 69332, Nov. 29, 2004]

### § 74.708 Class A TV and digital Class A TV station protection.

(a) The Class A TV and digital Class A TV station protected contours are specified in §73.6010 of this chapter.

(b) An application to construct a new low power TV, TV translator, or TV booster station or change the facilities of an existing station will not be accepted if it fails to protect an authorized Class A TV or digital Class A TV station or an application for such a station filed prior to the date the low power TV, TV translator, or TV booster application is filed.

(c) Applications for low power TV, TV translator and TV booster stations shall protect Class A TV stations pursuant to the requirements specified in paragraphs (b) through (e) of §74.707.

(d) Applications for low power TV, TV translator and TV booster stations shall protect digital Class A TV stations pursuant to the following requirements:

(i) An application must not specify an antenna site within the protected contour of a co-channel digital Class A TV station.

(ii) The ratio in dB of the field strength of the low power TV, TV translator or TV booster station to

that of the digital Class A TV station must meet the requirements specified in paragraph (d) of §74.706, calculated using the propagation methods specified in paragraph (c) of that section.

[65 FR 30012, May 10, 2000]

### § 74.709 Land mobile station protection.

(a) Stations in the Land Mobile Radio Service, using the following channels in the indicated cities will be protected from interference caused by low power TV or TV translator stations, and low power TV and TV translator stations must accept any interference from stations in the land mobile service operating on the following channels:

City	Channels	Coordinates	
		Latitude	Longitude
Boston, MA .....	14, 16	42°21'24"	071°03'24"
Chicago, IL .....	14, 15	41°52'28"	087°38'22"
Cleveland, OH .....	14, 15	41°29'51"	081°41'50"
Dallas, TX .....	16	32°47'09"	096°47'37"
Detroit, MI .....	15, 16	42°19'48"	083°02'57"
Houston, TX .....	17	29°45'26"	095°21'37"
Los Angeles, CA .....	14, 16, 20	34°03'15"	118°18'28"
Miami, FL .....	14	25°46'37"	080°11'32"
New York, NY .....	14, 15, 16	40°45'06"	073°59'39"
Philadelphia, PA .....	19, 20	39°56'58"	075°09'21"
Pittsburgh, PA .....	14, 18	40°26'19"	080°00'00"
San Francisco, CA .....	16, 17	37°46'39"	122°24'40"
Washington, DC .....	17, 18	38°53'51"	077°00'33"

(b) The protected contours for the land mobile radio service are 130 kilometers from the above coordinates, except where limited by the following:

(1) If the land mobile channel is the same as the channel in the following list, the land mobile protected contour excludes the area within 145 kilometers of the corresponding coordinates from list below. Except if the land mobile channel is 15 in New York or Cleveland or 16 in Detroit, the land mobile protected contour excludes the area within 95 kilometers of the corresponding coordinates from the list below.

(2) If the land mobile channel is one channel above or below the channel in the following list, the land mobile protected contour excludes the area within 95 kilometers of the corresponding coordinates from the list below.