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uses and must correct whatever interference they cause to land mobile stations or cease operation.

(f)–(g) [Reserved]

(h) In each instance where suspension of operation is required, the licensee shall submit a full report to the FCC after operation is resumed containing details of the nature of the interference, the source of the interfering signals, and the remedial steps taken to eliminate the interference. This report shall be filed via a Resumption of Operations notice in the FCC's Licensing and Management System (LMS).

(i) [Reserved]

[47 FR 21497, May 18, 1982, as amended at 48 FR 21487, May 12, 1983; 52 FR 31403, Aug. 20, 1987; 53 FR 4169, Feb. 12, 1988; 60 FR 55483, Nov. 1, 1995; 62 FR 26721, May 14, 1997; 65 FR 30012, May 10, 2000; 69 FR 69331, Nov. 29, 2004; 69 FR 72045, Dec. 10, 2004; 85 FR 64408, Oct. 13, 2020; 86 FR 66214, Nov. 22, 2021; 87 FR 58202, Sept. 23, 2022; 88 FR 21448, Apr. 10, 2023; 88 FR 30667, May 12, 2023]

§§ 74.706–74.708 [Reserved]

§ 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:

TABLE 1 TO PARAGRAPH (a)

City	Channels	Coordinates	
		Latitude	Longitude
Boston, MA	14, 16	42°21'24.4"	071°03'23.2"
Chicago, IL	14, 15	41°52'28.1"	087°38'22.2"
Cleveland, OH	14, 15	41°29'51.2"	081°49'49.5"
Dallas, TX	16	32°47'09.5"	096°47'38.0"
Detroit, MI	15, 16	42°19'48.1"	083°02'56.7"
Houston, TX	17	29°45'26.8"	095°21'37.8"
Los Angeles, CA	14, 16, 20	34°03'15.0"	118°14'31.3"
Miami, FL	14	25°46'38.4"	080°11'31.2"
New York, NY	14, 15, 16	40°45'06.4"	073°59'37.5"
Philadelphia, PA	19, 20	39°56'58.4"	075°09'19.6"
Pittsburgh, PA	14, 18	40°26'19.2"	079°59'59.2"
San Francisco, CA	16, 17	37°46'38.7"	122°24'43.9"
Washington, DC	17, 18	38°53'51.4"	077°00'31.9"

(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.

TABLE 2 TO PARAGRAPH (b)(2)

City	Channel	Coordinates	
		Latitude	Longitude
San Diego, CA	15	32°41'52.7"	116°56'06.3"

TABLE 2 TO PARAGRAPH (b)(2)—Continued

City	Channel	Coordinates	
		Latitude	Longitude
Waterbury, CT	20	41°31'02.3"	073°00'58.4"
Washington, DC	14	38°57'17.4"	077°00'15.9"
Washington, DC	20	38°57'49.9"	077°06'17.2"
Champaign, IL	15	40°04'10.0"	087°54'46.0"
Jacksonville, IL	14	39°45'52.1"	090°30'29.5"
Ft. Wayne, IN	15	41°05'35.2"	085°10'41.9"
South Bend, IN	16	41°36'20.0"	086°12'46.0"
Salisbury, MD	16	38°24'15.4"	075°34'43.7"
Mt. Pleasant, MI	14	43°34'24.1"	084°46'21.0"
Hanover, NH	15	43°42'30.2"	072°09'14.3"
Canton, OH	17	40°51'04.2"	081°16'36.4"
Cleveland, OH	19	41°21'19.2"	081°44'23.5"
Oxford, OH	14	39°30'26.2"	084°44'08.8"
Zanesville, OH	18	39°55'42.0"	081°59'07.0"
Elmira-Corning, NY	18	42°06'22.0"	076°52'16.0"
Harrisburg, PA	21	40°20'43.1"	076°52'08.3"
Johnstown, PA	19	40°19'47.3"	078°53'44.1"
Lancaster, PA	15	40°15'45.0"	076°27'50.0"
Philadelphia, PA	17	40°02'30.9"	075°14'21.9"
Pittsburgh, PA	16	40°26'46.2"	079°57'50.2"
Scranton, PA	16	41°10'58.3"	075°52'19.7"
Parkersburg, WV	15	39°20'59.8"	081°33'55.4"
Madison, WI	15	43°03'03.0"	089°29'13.0"

(c) A low power TV or TV translator station application will not be accepted if it specifies a site that is within the protected contour of a co-channel or first adjacent channel land mobile assignment.

(d) The low power TV or TV translator station field strength is calculated from the proposed effective radiated power (ERP) and the antenna height above average terrain (HAAT) in pertinent directions.

(1) The field strength is calculated using Figure 10c of §73.699 (F(50, 10) charts) of part 73 of this chapter.

(2) A low power TV or TV translator station application will not be accepted if it specifies the same channel as one of the land mobile assignments and its field strength at the land mobile protected contour exceeds 52 dBu.

(3) A low power TV or TV translator station application will not be accepted if it specifies a channel that is one channel above or below one of the land mobile assignments and its field strength at the land mobile protected contour exceeds 76 dBu.

(e) To protect stations in the Off-shore Radio Service, a low power TV or TV translator station construction permit application will not be accepted if it specifies operation on channels 15, 16, 17 or 18 in the following areas. West

Longitude and North Latitude are abbreviated as W.L. and N.L. respectively.

(1) On Channel 15: west of 92°00' W.L.; east of 98°30' W.L.; and south of a line extending due west from 30°30' N.L., 92°00' W.L. to 30°30' N.L., 96°00' W.L.; and then due southwest to 28°00' N.L., 98°30' W.L.

(2) On Channel 16: west of 86°40' W.L.; east of 96°30' W.L.; and south of a line extending due west from 31°00' N.L., 86°40' W.L. to 31°00' N.L., 95°00' W.L. and then due southwest to 29°30' N.L., 96°30' W.L.

(3) On Channel 17: west of 86°30' W.L.; east of 96°00' W.L.; and south of a line extending due west from 31°00' N.L., 86°30' W.L. to 31°30' N.L., 94°00' W.L. and then due southwest to 29°30' N.L., 96°00' W.L.

(4) On Channel 18: west of 87°00' W.L.; east of 95°00' W.L.; and south of 31°00' N.L.

NOTE 1 TO §74.709: The Chief, Public Safety and Homeland Security Bureau waived the rules of this section to allow channel 15 to be used for land mobile operation in Los Angeles County, CA (DA 08-2823; adopted December 30, 2008). Notwithstanding the channels

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listed in paragraph (a) or (b)(2) of this section, the waiver requires LPTV and translator stations to protect this land mobile operation.

[47 FR 21499, May 18, 1982, as amended at 50 FR 12027, Mar. 27, 1985; 50 FR 33942, Aug. 22, 1985; 69 FR 31906, June 8, 2004; 87 FR 58203, Sept. 23, 2022; 88 FR 30668, May 12, 2023]

§ 74.710 [Reserved]

§ 74.720 Digital low power TV distributed transmission systems.

(a) A digital low power TV or TV translator (LPTV) station may be authorized to operate multiple synchronized transmitters on its assigned channel to provide service consistent with the requirements of this section. Such operation is called a distributed transmission system (DTS). Except as expressly provided in this section, LPTV stations operating a DTS facility must comply with all rules in this part applicable to LPTV single-transmitter stations.

(b) For purposes of compliance with this section, a digital LPTV station's "authorized facility" is the facility authorized for the station in a license or construction permit for non-DTS, single-transmitter-location operation. A digital LPTV station's "authorized service area" is defined as the area within its protected contour (described by § 74.792) as determined using the authorized facility.

(c) The protected area for each DTS transmitter is determined based on the F(50,90) field strength given in § 74.792), calculated in accordance with § 73.625(b) of this chapter. The combined protected area of an LPTV DTS station is the logical union of the protected areas of all DTS transmitters, that falls within the station's authorized service area as defined in paragraph (b) of this section.

(d) The DTS limiting area for each DTS transmitter is determined using the field strength from § 74.792 and the F(50,50) curves.

(e) An application proposing use of DTS will not be accepted for filing unless it meets all of the following conditions:

(1) The combined protected area covers all of the applicant's authorized service area;

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(2) Each DTS transmitter's LPTV DTS limiting contour falls within the authorized facility's LPTV DTS limiting contour;

(3) Each DTS transmitter's protected area is contiguous with at least one other DTS transmitter's protected area;

(4) The "combined field strength" of all DTS transmitters in a network does not cause interference to another station in excess of the criteria specified in § 74.793. The combined field strength at a given location is determined by a "root-sum-square" calculation, in which the combined field strength is equal to the square root of the sum of the squared field strengths from each transmitter in the DTS network at that location; and

(5) Each DTS transmitter must be located within the station's authorized service area.

(f) All transmitters operating under a single LPTV DTS license must follow the same digital broadcast television transmission standard.

[86 FR 21227, Apr. 22, 2021]

§ 74.731 [Reserved]

§ 74.732 Eligibility and licensing requirements.

(a) A license for a low power TV or TV translator station may be issued to any qualified individual, organized group of individuals, broadcast station licensee, or local civil governmental body.

(b) More than one low power TV or TV translator station may be licensed to the same applicant whether or not such stations serve substantially the same area. Low power TV and TV translator stations are not counted for purposes of § 73.3555, concerning multiple ownership.

(c) Only one channel will be assigned to each low power TV or TV translator station. Additional low power or translator stations may be authorized to provide additional reception. A separate application is required for each station and each application must be complete in all respects.

(d) The FCC will not act on applications for new low power TV or TV translator stations, for changes in facilities of existing stations, or for