

Federal Communications Commission

§ 73.807

Section 73.3999 Enforcement of 18 U.S.C. 1464—restrictions on the transmission of obscene and indecent material.

§ 73.805 Availability of channels.

Except as provided in §73.220 of this chapter, all of the frequencies listed in §73.201 of this chapter are available for LPFM stations.

§ 73.807 Minimum distance separation between stations.

Minimum separation requirements for LP100 and LP10 stations, as defined in §73.811 and §73.853 of this part, are listed in the following paragraphs. An LPFM station will not be authorized unless these separations are met. Minimum distances for co-channel and first-adjacent channel are separated into two columns. The left-hand column lists the required minimum separation to protect other stations and the right-hand column lists (for informational purposes only) the minimum distance necessary for the LPFM station to receive no interference from other stations. For second-adjacent channels and IF channels, the required minimum distance separation is sufficient to avoid interference received from other stations.

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(a) An LP100 station will not be authorized initially unless the minimum distance separations in the following table are met with respect to authorized FM stations, timely filed applications for new and existing FM stations, authorized LP100 stations, LP100 station applications that were timely-filed within a previous window, and vacant FM allotments. LP100 stations are not required to protect LP10 stations.

Station class protected by LP100	Co-channel minimum separation (km)		First-adjacent channel minimum separation (km)		Second-adjacent channel minimum separation (km) required	I.F. Channel minimum separations 10.6 or 10.8 MHz
	Required	For no interference received	Required	For no interference received		
LP100	24	24	14	14	(¹)	(¹)
D	24	24	13	13	6	4
A	67	92	56	56	29	7
B1	87	119	74	74	46	9
B	112	143	97	97	67	12
C3	78	119	67	67	40	9
C2	91	143	80	84	53	12
C1	111	178	100	111	73	20
C	130	203	120	142	93	28

¹ None.

(b) An LP10 station will not be authorized unless the minimum distance separations are met with respect to authorized FM stations, timely-filed ap-

plications for new and existing FM stations, vacant FM allotments, or LPFM stations.

Station class protected by LP10	Co-channel minimum separation (km)		First-adjacent channel minimum separation (km)		Second-adjacent channel minimum separation (km) required	I.F. Channel minimum separations 10.6 or 10.8 MHz
	Required	For no interference received	Required	For no interference received		
LP100	16	22	10	11	(¹)	(¹)
LP10	13	13	8	8	(¹)	(¹)
D	16	21	10	11	6	2
A	59	90	53	53	29	5
B1	77	117	70	70	45	8
B	99	141	91	91	66	11
C3	69	117	64	64	39	8
C2	82	141	77	81	52	11
C1	103	175	97	108	73	18
C	122	201	116	140	92	26

¹ None.

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(c) In addition to meeting or exceeding the minimum separations for Class LP100 and Class LP10 stations in paragraphs (a) and (b) of this section, new LP100 and LP10 stations will not be au-

thorized in Puerto Rico or the Virgin Islands unless the minimum distance separations are met with respect to authorized or proposed FM stations:

(1) LP100 STATIONS IN PUERTO RICO AND THE VIRGIN ISLANDS

Station class protected by LP100	Co-channel minimum separation (km)		First-adjacent channel minimum separation (km)		Second-adjacent channel minimum separation (km) Required	I.F. Channel minimum separations 10.6 or 10.8 MHz
	Required	For no interference received	Required	For no interference received		
A	80	111	70	70	42	9
B1	95	128	82	82	53	11
B	138	179	123	123	92	20

(2) LP10 Stations in Puerto Rico and the Virgin Islands:

Station class protected by LP10	Co-channel minimum separation (km)		First-adjacent channel minimum separation (km)		Second-adjacent channel minimum separation (km) required	I.F. Channel minimum separations 10.6 or 10.8 MHz
	Required	For no interference received	Required	For no interference received		
A	72	108	66	66	42	8
B1	84	125	78	78	53	9
B	126	177	118	118	92	18

NOTE TO PARAGRAPHS (a), (b), AND (c): Minimum distance separations towards “grandfathered” superpowered Reserved Band stations, are as specified. Full service FM stations operating within the reserved band (Channels 201–220) with facilities in excess of those permitted in §73.211(b)(1) or §73.211(b)(3) shall be protected by LPFM stations in accordance with the minimum distance separations for the nearest class as determined under §73.211. For example, a Class B1 station operating with facilities that result in a 60 dBu contour that exceeds 39 kilometers but is less than 52 kilometers would be protected by the Class B minimum distance separations. Class D stations with 60 dBu contours that exceed 5 kilometers will be pro-

ected by the Class A minimum distance separations. Class B stations with 60 dBu contours that exceed 52 kilometers will be protected as Class C1 or Class C stations depending upon the distance to the 60 dBu contour. No stations will be protected beyond Class C separations.

(d) In addition to meeting the separations (a) through (c), LPFM applications must meet the minimum separation requirements with respect to authorized FM translator stations, cutoff FM translator applications, and FM translator applications filed prior to the release of the Public Notice announcing the LPFM window period:

(1) LP100 stations:

Distance to FM translator 60 dBu contour	Co-channel minimum separation (km)		First-adjacent channel minimum separation (km)		Second-adjacent channel minimum separation (km) required	I.F. Channel minimum separation (km) 10.6 or 10.8 MHz
	Required	For no interference received	Required	For no interference received		
13.3 km or greater	39	67	28	35	21	5
Greater than 7.3 km, but less than 13.3 km	32	51	21	26	14	5
7.3 km or less	26	30	15	16	8	5

(2) LP10 Stations:

Distance to FM translator 60 dBu contour	Co-channel minimum separation (km)		First-adjacent channel minimum separation (km)		Second-adjacent channel minimum separation (km) required	I.F. Channel minimum separation (km) 10.6 or 10.8 MHz
	Required	For no interference received	Required	For no interference received		
13.3 km or greater	30	65	25	33	20	3
Greater than 7.3 km, but less than 13.3 km	24	49	18	23	14	3
7.3 km or less	18	28	12	14	8	3

(e) Existing Class LP100 and LP10 stations which do not meet the separations in paragraphs (a) through (e) of this section may be relocated provided that the separation to any short-spaced station is not reduced.

(f) Commercial and noncommercial educational stations authorized under subparts B and C of this part, as well as new or modified commercial FM allot-

ments, are not required to adhere to the separations specified in this rule section, even where new or increased interference would be created.

(g) *International considerations within the border zones.* (1) Within 320 km of the Canadian border, LP100 stations must meet the following minimum separations with respect to any Canadian stations:

Canadian station class	Co-channel (km)	First-adjacent channel (km)	Second-adjacent channel (km)	Third-adjacent channel (km)	Intermediate frequency (IF) channel (km)
A1	45	30	21	20	4
A	66	50	41	40	7
B1	78	62	53	52	9
B	92	76	68	66	12
C1	113	98	89	88	19
C	118	106	99	98	28

(2) Within 320 km of the Mexican border, LP100 stations must meet the fol-

lowing separations with respect to any Mexican stations:

Mexican station class	Co-channel (km)	First-adjacent channel (km)	Second-/third-adjacent channel (km)	Intermediate frequency (IF) channel (km)
A	43	32	25	5
AA	47	36	29	6
B1	67	54	45	8
B	91	76	66	11
C1	91	80	73	19
C	110	100	92	27

(3) Within 320 km of the Canadian border, LP10 stations must meet the

following minimum separations with respect to any Canadian stations:

Canadian station class	Co-channel (km)	First-adjacent channel (km)	Second-adjacent channel (km)	Third-adjacent channel (km)	Intermediate frequency (IF) channel (km)
A1	33	25	23	19	3
A	53	45	43	39	5
B1	65	57	55	51	8
B	79	71	70	66	11
C1	101	93	91	87	18
C	108	102	100	97	26

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(4) Within 320 km of the Mexican border, LP10 stations must meet the following separations with respect to any Mexican stations:

Mexican station class	Co-channel (km)	First-adjacent channel (km)	Second-/third-adjacent channel (km)	Intermediate frequency (IF) channel (km)
A	34	29	24	5
AA	39	33	29	5
B1	57	50	45	8
B	79	71	66	11
C1	83	77	73	18
C	102	96	92	26

(5) The Commission will notify the International Telecommunications Union (ITU) of any LPFM authorizations in the US Virgin Islands. Any authorization issued for a US Virgin Islands LPFM station will include a condition that permits the Commission to modify, suspend or terminate without right to a hearing if found by the Commission to be necessary to conform to any international regulations or agreements.

(6) The Commission may, at its option, initiate international coordination of a LPFM proposal even where the above Canadian and Mexican spacing tables are met, if it appears that such coordination is necessary to maintain compliance with international agreements.

§ 73.808 Distance computations.

For the purposes of determining compliance with any LPFM distance requirements, distances shall be calculated in accordance with § 73.208(c) of this part.

§ 73.809 Interference protection to full service FM stations.

(a) It shall be the responsibility of the licensee of an LPFM station to correct at its expense any condition of interference to the direct reception of the signal of any subsequently authorized commercial or NCE FM station that operates on the same channel, first-adjacent channel, second-adjacent channel or intermediate frequency (IF) channels as the LPFM station, where interference is predicted to occur and actually occurs within the 3.16 mV/m (70 dBu) contour of such stations. Predicted interference within this contour shall be calculated in accordance with the ratios set forth in § 73.215(a)(1) and

(2) of this part. Actual interference will be considered to occur whenever reception of a regularly used signal is impaired by the signals radiated by the LPFM station.

(b) An LPFM station will be provided an opportunity to demonstrate in connection with the procession of the commercial or NCE FM application that interference with the 3.16 mV/m contour of such station is unlikely. If the LPFM station fails to so demonstrate, it will be required to cease operations upon the commencement of program tests by the commercial or NCE FM station.

(c) Complaints of actual interference by an LPFM station subject to paragraph (b) within the 3.16 mV/m contour of a commercial or NCE FM station must be served on the LPFM licensee and the Federal Communications Commission, attention Audio Services Division. The LPFM station must suspend operations within twenty-four hours of the receipt of such complaint unless the interference has been resolved to the satisfaction of the complainant on the basis of suitable techniques. An LPFM station may only resume operations at the direction of the Federal Communications Commission. If the Commission determines that the complainant has refused to permit the LPFM station to apply remedial techniques that demonstrably will eliminate the interference without impairment of the original reception, the licensee of the LPFM station is absolved of further responsibility.

(d) It shall be the responsibility of the licensee of an LPFM station to correct any condition of interference that results from the radiation of radio frequency energy outside its assigned channel. Upon notice by the FCC to the