

### § 73.810

### 47 CFR Ch. I (10–1–09 Edition)

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 for the complaint.

(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 station licensee or operator that such interference is caused by spurious emissions of the station, operation of the station shall be immediately suspended and not resumed until the interference has been eliminated. However, short test transmissions may be made during the period of suspended operation to check the efficacy of remedial measures.

(e) In each instance where suspension of operation is required, the licensee shall submit a full report to the FCC in Washington, DC, 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.

[65 FR 7640, Feb. 15, 2000, as amended at 65 FR 67302, Nov. 9, 2000; 73 FR 3216, Jan. 17, 2008]

#### **§ 73.810 Third adjacent channel complaint and license modification procedure.**

(a) An LPFM station is required to provide copies of all complaints alleging that the signal of such LPFM station is interfering with or impairing the reception of the signal of a full power station to such affected full power station.

(b) A full power station shall review all complaints it receives, either directly or indirectly, from listeners regarding alleged interference caused by the operations of an LPFM station. Such full power station shall also identify those that qualify as *bona fide* complaints under this section and promptly provide such LPFM station with copies of all *bona fide* complaints. A *bona fide* complaint:

(1) Is a complaint alleging third adjacent channel interference caused by an LPFM station that has its transmitter site located within the predicted 60 dBu contour of the affected full power station as such contour existed as of the date the LPFM station construction permit was granted;

(2) Must be in the form of an affidavit, and state the nature and location of the alleged interference;

(3) Must involve a fixed receiver located within the 60 dBu contour of the affected full power station and not more than one kilometer from the LPFM transmitter site; and

(4) Must be received by either the LPFM or full power station within one year of the date on which the LPFM station commenced broadcasts with its currently authorized facilities.

(c) An LPFM station will be given a reasonable opportunity to resolve all interference complaints. A complaint will be considered resolved where the complainant does not reasonably cooperate with an LPFM station's remedial efforts.

(d) In the event that the number of unresolved complaints plus the number of complaints for which the source of interference remains in dispute equals at least one percent of the households within one kilometer of the LPFM transmitter site or thirty households, whichever is less, the LPFM and full power stations must cooperate in an "on-off" test to determine whether the interference is traceable to the LPFM station.

(e) If the number of unresolved and disputed complaints exceeds the numeric threshold specified in subsection (d) following an "on-off" test, the full power station may request that the Commission initiate a proceeding to consider whether the LPFM station license should be modified or cancelled, which will be completed by the Commission within 90 days. Parties may seek extensions of the 90 day deadline consistent with Commission rules.

(f) An LPFM station may stay any procedures initiated pursuant to paragraph (e) of this section by voluntarily ceasing operations and filing an application for facility modification within

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twenty days of the commencement of such procedures.

[65 FR 67302, Nov. 9, 2000; 65 FR 69458, Nov. 17, 2000]

### § 73.811 LPFM power and antenna height requirements.

(a) LP100 stations: (1) *Maximum facilities.* LP100 stations will be authorized to operate with maximum facilities of 100 watts effective radiated power (ERP) at 30 meters antenna height above average terrain (HAAT). An LP100 station with a HAAT that exceeds 30 meters will not be permitted to operate with an ERP greater than that which would result in a 60 dBu contour of 5.6 kilometers. In no event will an ERP less than one watt be authorized. No facility will be authorized in excess of one watt ERP at 450 meters HAAT.

(2) *Minimum facilities.* LP100 stations may not operate with facilities less than 50 watts ERP at 30 meters HAAT or the equivalent necessary to produce a 60 dBu contour that extends at least 4.7 kilometers.

(b) LP10 stations: (1) *Maximum Facilities.* LP10 stations will be authorized to operate with maximum facilities of 10 watts ERP at 30 meters HAAT. An LP10 station with a HAAT that exceeds 30 meters will not be permitted to operate with an ERP greater than that which would result in a 60 dBu contour of 3.2 kilometers. In no event will an ERP less than one watt be authorized. No facility will be authorized in excess of one watt ERP at 100 meters HAAT.

(2) *Minimum Facilities.* LP10 stations may not operate with less than one watt ERP.

### § 73.812 Rounding of power and antenna heights.

(a) Effective radiated power (ERP) will be rounded to the nearest watt on LPFM authorizations.

(b) Antenna radiation center, antenna height above average terrain (HAAT), and antenna supporting structure height will all be rounded to the nearest meter on LPFM authorizations.

### § 73.813 Determination of antenna height above average terrain (HAAT).

HAAT determinations for LPFM stations will be made in accordance with the procedure detailed in § 73.313(d) of this part.

### § 73.816 Antennas.

(a) Permittees and licensees may employ nondirectional antennas with horizontal only polarization, vertical only polarization, circular polarization or elliptical polarization.

(b) Directional antennas will not be authorized and may not be utilized in the LPFM service, except as provided in paragraph (c) of this section.

(c) Public safety and transportation permittees and licensees, eligible pursuant to § 73.853(a)(ii), may utilize directional antennas in connection with the operation of a Travelers' Information Service (TIS) provided each LPFM TIS station utilizes only a single antenna with standard pattern characteristics that are predetermined by the manufacturer. In no event may composite antennas (*i.e.*, antennas that consist of multiple stacked and/or phased discrete transmitting antennas) and/or transmitters be employed.

(d) LPFM TIS stations will be authorized as nondirectional stations. The use of a directional antenna as provided for in paragraph (c) of this section will not be considered in the determination of compliance with any requirements of this part.

[65 FR 67303, Nov. 9, 2000]

### § 73.825 Protection to reception of TV channel 6.

(a) LPFM stations will be authorized on Channels 201 through 220 only if the pertinent minimum separation distances in the following table are met with respect to all full power TV Channel 6 stations.

FM channel number	Class LP100 LP100 to TV channel 6 (km)	Class LP10 to TV channel 6 (km)
201	140	136
202	138	134
203	137	133
204	136	133
205	135	132
206	133	131
207	133	131
208	133	131