

§ 73.816

47 CFR Ch. I (10–1–03 Edition)

§ 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
209	133	131
210	133	131
211	133	131
212	132	131
213	132	131
214	132	130
215	131	130
216	131	130
217	131	130
218	131	130

FM channel number	Class LP100 LP100 to TV channel 6 (km)	Class LP10 to TV channel 6 (km)
219	130	130
220	130	130

(b) 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 low power TV, TV translator, and Class A TV stations authorized on TV Channel 6.

FM channel number	Class LP100 to LPTV channel 6 (km)	Class PL10 to LPTV channel 6 (km)
201	98	93
202	97	92
203	95	91
204	94	91
205	93	90
206	91	90
207	91	89
208	91	89
209	91	89
210	91	89
211	91	89
212	90	89
213	90	89
214	90	89
215	90	89
216	89	89
217	89	89
218	89	89
219	89	89
220	89	88

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§ 73.827 Interference to the input signals of FM translator or FM booster stations.

(a) An authorized LPFM station will not be permitted to continue to operate if an FM translator or FM booster station demonstrates that the LPFM station is causing actual interference to the FM translator or FM booster station's input signal, provided that the same input signal was in use at the time the LPFM station was authorized.

(b) Complaints of actual interference by an LPFM station subject to paragraph (a) of this section must be served on the LPFM licensee and the Federal Communications Commission, attention Audio Services Division. The LPFM station must suspend operations upon the receipt of such complaint unless the interference has been resolved to the satisfaction of the complainant on the basis of suitable techniques. Short test transmissions may be made