Federal Communications Commission

§ 73.211 Power and antenna height requirements.

(a) Minimum requirements. (1) Except as provided in paragraphs (a)(3) and (b)(2) of this section, FM stations must operate with a minimum effective radiated power (ERP) as follows:

(i) The minimum ERP for Class A stations is 0.1 kW.

(ii) The ERP for Class B1 stations must exceed 6 kW.

(iii) The ERP for Class B stations must exceed 25 kW.

(iv) The ERP for Class C3 stations must exceed 6 kW.

(v) The ERP for Class C2 stations must exceed 25 kW.

(vi) The ERP for Class C1 stations must exceed 50 kW.

(vii) The minimum ERP for Class C and C0 stations is 100 kW.

(2) Class C0 stations must have an antenna height above average terrain (HAAT) of at least 300 meters (984 feet). Class C stations must have an antenna height above average terrain (HAAT) of at least 451 meters (1480 feet).

(3) Stations of any class except Class A may have an ERP less than that specified in paragraph (a)(1) of this section, provided that the reference distance, determined in accordance with paragraph (b)(1)(i) of this section, exceeds the distance to the class contour for the next lower class. Class A stations may have an ERP less than 100 watts provided that the reference distance, determined in accordance with paragraph (b)(1)(i) of this section, equals or exceeds 6 kilometers.

(b) Maximum limits. (1) Except for stations located in Puerto Rico or the Virgin Islands, the maximum ERP in any direction, reference HAAT, and distance to the class contour for each FM station class are listed below:

<table>
<thead>
<tr>
<th>Station class</th>
<th>Maximum ERP</th>
<th>Reference HAAT in meters (ft.)</th>
<th>Class contour distance in kilometers</th>
</tr>
</thead>
<tbody>
<tr>
<td>A (6 kW)</td>
<td>28</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B1 (25 kW)</td>
<td>39</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B (50 kW)</td>
<td>52</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C3 (25 kW)</td>
<td>52</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C2 (50 kW)</td>
<td>52</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C1 (100 kW)</td>
<td>52</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C0 (100 kW)</td>
<td>83</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C (100 kW)</td>
<td>92</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(i) The reference distance of a station is obtained by finding the predicted distance to the ImV/m contour using Figure 1 of §73.333 and then rounding to the nearest kilometer. Antenna HAAT is determined using the procedure in §73.313. If the HAAT so determined is less than 30 meters (100 feet), a HAAT of 30 meters must be used when finding the predicted distance to the 1 mV/m contour.
§ 73.212 Administrative changes in authorizations.

(a) In the issuance of FM broadcast station authorizations, the Commission will specify the transmitter output power and effective radiated power in accordance with the following tabulation:

<table>
<thead>
<tr>
<th>Power (watts or kW)</th>
<th>Rounded out to nearest figure (watts or kW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 to 3</td>
<td>.05</td>
</tr>
<tr>
<td>3 to 10</td>
<td>.1</td>
</tr>
<tr>
<td>10 to 30</td>
<td>.5</td>
</tr>
<tr>
<td>30 to 100</td>
<td>1</td>
</tr>
<tr>
<td>100 to 300</td>
<td>5</td>
</tr>
<tr>
<td>300 to 1,000</td>
<td>10</td>
</tr>
</tbody>
</table>

(b) Antenna heights above average terrain will be rounded out to the nearest meter.

§ 73.213 Grandfathered short-spaced stations.

(a) Stations at locations authorized prior to November 16, 1984, that do not meet the separation distances required by §73.207 and have remained continuously short-spaced since that time may be modified or relocated with respect to such short-spaced stations, provided that (i) any area predicted to receive interference lies completely within any area currently predicted to receive co-channel or first-adjacent channel interference as calculated in accordance with paragraph (a)(1) of this section, or that (ii) a showing is provided pursuant to paragraph (a)(2) of this section that demonstrates that the public interest