Federal Communications Commission

§ 74.1250 Transmitters and associated equipment.

(a) FM translator and booster transmitting apparatus, and exciters employed to provide a locally generated and modulated input signal to translator and booster equipment, used by

<table>
<thead>
<tr>
<th>Distance of emission from center frequency</th>
<th>Minimum attenuation below unmodulated carrier</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 to 240 kHz</td>
<td>25 dB</td>
</tr>
<tr>
<td>Over 240 and up to 600 kHz</td>
<td>35 dB</td>
</tr>
<tr>
<td>Over 600 kHz</td>
<td>60 dB</td>
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</tbody>
</table>

(d) Greater attenuation than that specified in paragraph (c) of this section may be required if interference results outside the assigned channel.


§ 74.1237 Antenna location.

(a) An applicant for a new station to be authorized under this subpart or for a change in the facilities of such a station shall endeavor to select a site which will provide a line-of-sight transmission path to the entire area intended to be served and at which there is available a suitable signal from the primary station. The transmitting antenna should be placed above growing vegetation and trees lying in the direction of the area intended to be served, to minimize the possibility of signal absorption by foliage.

(b) Consideration should be given to accessibility of the site at all seasons of the year and to the availability of facilities for the maintenance and operation of the FM translator.

(c) Consideration should be given to the existence of strong radiofrequency fields from other transmitters at the translator site and the possibility that such fields may result in the retransmission of signals originating on frequencies other than that of the primary station.

(d) The transmitting antenna of an FM booster station shall be located within the protected contour of its primary station, subject to Note, §74.1231 (h). The transmitting antenna of a commonly owned commercial FM translator station shall be located within the protected contour of its commercial primary FM station.

(e) A translator or booster station to be located on an AM antenna tower or located within 3.2 km of an AM antenna tower must comply with §73.1692 of this chapter.