(2) That use of a category A antenna will remedy the interference thus allowing the project to be realized.

(c) As an exception to the provisions of this section, the FCC may approve requests for use of periscope antenna systems where a persuasive showing is made that no frequency conflicts exist in the area of proposed use. Such approvals shall be conditioned to a standard antenna as required in paragraph (a) of this section when an applicant of a new TV auxiliary broadcast or Cable Television Relay station indicates that the use of the existing antenna system will cause interference and the use of a category A or B antenna will remedy the interference.

(d) As a further exception to the provision of paragraph (a) of this section, the Commission may approve antenna systems not conforming to the technical standards where a persuasive showing is made that:

1. Indicates in detail why an antenna system complying with the requirements of paragraph (a) of this section cannot be installed, and
2. Includes a statement indicating that frequency coordination as required in §74.604 (a) was accomplished.


§ 74.644 Minimum path lengths for fixed links.

(a) The distance between end points of a fixed link must equal or exceed the value set forth in the table below or the EIRP must be reduced in accordance with the equation set forth below.

<table>
<thead>
<tr>
<th>Frequency band (MHz)</th>
<th>Minimum path length (km)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,990–7,125</td>
<td>17</td>
</tr>
<tr>
<td>12,200–13,250</td>
<td>5</td>
</tr>
<tr>
<td>Above 17,700</td>
<td>n/a</td>
</tr>
</tbody>
</table>

(b) For paths shorter than those specified in the Table, the EIRP shall not exceed the value derived from the following equation.

\[ \text{EIRP} = \text{MAXEIRP} - 40 \log(A/B) \text{ dBW} \]

Where:
- EIRP = The new maximum EIRP (equivalent isotropically radiated power) in dBW.
- MAXEIRP = Maximum EIRP as set forth in the Table in §74.636 of this part.
- A = Minimum path length from the Table above for the frequency band in kilometers.
- B = The actual path length in kilometers.

NOTE 1 TO PARAGRAPH (b): For transmitters using Automatic Transmitter Power Control, EIRP corresponds to the maximum transmitter power available, not the coordinated transmit power or the nominal transmit power.

NOTE 2 TO PARAGRAPH (b): Stations licensed based on an application filed before April 16, 2003, in the 2450–2483.5 MHz band, for EIRP values exceeding those specified above, may continue to operate indefinitely in accordance with the terms of their current authorizations, subject to periodic renewal.

(c) Upon an appropriate technical showing, applicants and licensees unable to meet the minimum path length requirement may be granted an exception to these requirements.

NOTE: Links authorized prior to April 1, 1987, are excluded from this requirement, except that, effective April 1, 1992, the Commission will require compliance with the criteria where an existing link would otherwise preclude establishment of a new link.

[52 FR 7143, Mar. 9, 1987, as amended at 68 FR 12771, Mar. 17, 2003]