§ 74.534 Power limitations.

(a) Transmitter output power. (1) Transmitter output power shall be limited to that necessary to accomplish the function of the system.

(b) In no event shall the average equivalent isotropically radiated power (EIRP), as referenced to an isotropic radiator, exceed the values specified in the following table. In cases of harmful interference, the Commission may, after notice and opportunity for hearing, order a change in the equivalent isotropically radiated power of this station.

<table>
<thead>
<tr>
<th>Frequency band (MHz)</th>
<th>Maximum Allowable EIRP (dBW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>944 to 952</td>
<td>+40</td>
</tr>
<tr>
<td>17,700 to 18,600</td>
<td>+55</td>
</tr>
<tr>
<td>18,600 to 19,700</td>
<td>+35</td>
</tr>
</tbody>
</table>

1 Stations licensed based on an application filed before April 16, 2003, 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) The EIRP of transmitters that use Automatic Transmitter Power Control (ATPC) shall not exceed the EIRP specified on the station authorization. The EIRP of non-ATPC transmitters shall be maintained as near as practicable to the EIRP specified on the station authorization.

§ 74.535 Emission and bandwidth.

(a) The mean power of emissions shall be attenuated below the mean transmitter power $P_{\text{MEAN}}$ in accordance with the following schedule:

(1) When using frequency modulation:

(i) On any frequency removed from the assigned (center) frequency by more than 50% up to and including 100% of the authorized bandwidth: At least 25 dB in any 100 kHz reference bandwidth $B_{\text{REF}}$;

(ii) On any frequency removed from the assigned (center) frequency by more than 100% up to and including 250% of the authorized bandwidth: At least 35 dB in any 100 kHz reference bandwidth;

(iii) On any frequency removed from the assigned (center) frequency by more than 250% of the authorized bandwidth: At least $25 + 10 \log_{10} P_{\text{MEAN}}$ dB, or 80 dB, whichever is the lesser attenuation, in any 100 kHz reference bandwidth.

(2) When using transmissions employing digital modulation techniques: