

**Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554**

In the Matter of)
)
Amendment of Parts 2 and 97 of the) **RM-_____**
Commission's Rules to Create a)
Low Frequency Allocation for the)
Amateur Radio Service)

RECEIVED

To: The Commission

NOV 18 1998

FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

ERRATUM

The American Radio Relay League, Incorporated (the League), by counsel, hereby respectfully submits a single Erratum to the Petition for Rule Making (Petition), captioned as above, filed by the League on or about October 22, 1998.

There were numerical errors in the Petition, at Table 2, in paragraph 21, at page 13 of the document as originally filed with the Commission. A corrected page is attached, showing the proper numerical values in Table 2 thereof.

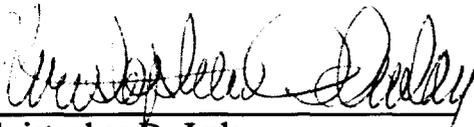
The error is regretted. An original and four copies of this Erratum are being filed with the Commission.

The American Radio Relay League, Incorporated respectfully requests that the

Commission associate these corrected pages with the Petition for Rule Making.

Respectfully submitted,

**THE AMERICAN RADIO RELAY
LEAGUE, INCORPORATED**

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21. The tallest vertical monopole that should be reasonably considered for an amateur station is 61 meters (200 feet) because above that level, the amateur station would be required to obtain prior FAA authorization; and it would have to comply with FAA painting and lighting requirements. Very few amateur stations incorporate antennas of that height. Typically, a well-equipped amateur station would employ a vertical monopole of between 15 and 31 meters in height. Many other amateur stations would use shorter antennas, which need not be considered herein due to the severe reduction in efficiency that would result. The following table lists the EIRP from amateur stations that could be expected for various transmitter power outputs from three antenna heights. The table gives a range of possible EIRP. The highest value of EIRP is based on an unrealistic ground loss of zero. Only the inductor losses in the antenna tuner are considered. The smaller value is 6 dB less than the larger: a value that might be achieved at a high-end amateur station. The algorithms used to generate TABLE 2 can be found in APPENDIX B.

TABLE 2

A RANGE OF EIRP (Watts) FOR VARIOUS TRANSMITTER OUPUT POWERS (Watts) AND THREE VERTICAL ANTENNA HEIGHTS.
meters feet efficiency %

<u>Tx PO</u>	<u>61m 200ft 1%</u>	<u>31m 100ft 0.2%</u>	<u>15m 50ft (0.02%)</u>
200	0.5-2.0	0.1-0.4	0.01-0.04
50	0.13-0.5	0.03-0.1	0.003-0.01
10	0.03-0.1	0.005-0.02	0.0005-0.002
1	0.002-0.01	0.0005-0.002	0.00005-0.0002