

**1.5****Minimum Antenna Length**

The following minimum antenna lengths should be used:

<b>Frequency Range</b>	<b>Antenna Length</b>
2-30 MHz	40 ft. (32 ft. with external loading coil)
3-30 MHz	16 ft.

**1.6****FSK Operation (Continuous Transmit Duty)**

The following condition regarding ambient temperature must be observed when operating in the FSK mode:

**Sun Loading**

The tuner is rated for operation to 55° C ambient. This temperature can be exceeded if the case is exposed to direct sunlight. For FSK operation it is important that the tuner is installed so that the case is not exposed to direct sunlight.

**1.7****Memory Option**

Memory or automatic-tune options are available for the RAT1000. These options are described in detail in Section 4 of this manual.