



Exhibit 10: Operational Description

External Radio Frequency Power Amplifier ACOM 2000A Model 2000A

157 Horse Pond Road, Sudbury, MA 01776

Tel: (978) 440-7555

Fax: (978) 440-9080

e-mail: aa1nd@aol.com

The ACOM2000A is a complete and self-contained linear amplifier which covers all amateur bands, has automatic self-tune capability, and provides up to 1500W output power with less than 60W exciter drive. In addition, it has automatic antenna impedance matching capability for loads up to 3:1 VSWR (2:1 on 160 meters). It features a Remote Control Unit (RCU), contains nonvolatile memory for settings on up to ten different antennas per frequency segment, and offers command capability for use with an external automatic antenna selector and/or automatic antenna tuner. Transmit / receive switching is capable of full break-in operation (QSK) via an internal vacuum relay.

All indicators and controls (except the primary mains switch and indicator) are available via the RCU. All command input to the RCU is menu-driven.

A more detailed description of the theory of operation of the amplifier can be found in section 6-5, page 25-26, of the Users Manual included as Exhibit 7.