

3-4 Initial Start-Up And Operating Procedures

The only operating controls on each amplifier module are the rocker-style power switch and the RESET switch.

WARNING

Always turn the amplifier off when disconnecting and reconnecting RF interface cables. Failure to do so may cause damage to the amplifier and/or personal injury.

To perform the initial start-up, proceed as follows:

1. Verify that all input and output cables are properly connected.

CAUTION

Before applying power, make sure that the input and output of the amplifier are properly terminated at 50 ohms. Do not operate the amplifier without a load attached. Refer to tables 1-1 and 1-2 for input power requirements. Excessive input power may damage the amplifier.

NOTE

The output coaxial cable between the amplifier and the antenna must be 50 ohm coaxial cable. Use of any other cable, will distort the output.

2. Verify that the amplifier's front panel power rocker switch is in the OFF position.
3. Turn on the power supply that provides +27 Vdc to the amplifier system. Do not apply an RF signal to the amplifier system.
4. Set the amplifier's front panel power rocker switch to the ON position.
5. Visually check the indicators on each amplifier module, and verify that the following indicators are as follows:
 - A. ~~LPA DISAB. Indicator (red) should turn off after 2.5 seconds. Status indicator should illuminate green immediately upon startup.~~
 - B. ~~The +27VDC, +15VDC, +5VDC and -5VDC indicators (green) on all amplifier modules should be on. The VSWR, Over Power, High Temp and Fan Fail LEDs should be off.~~
6. Follow the power setting procedure set forth in the amplifier subrack or system integration manual. Turn on external exciter/transceiver and apply RF input signals.