

Section 3 Operating Instructions

3-1 Introduction

This section contains operating instructions for the Multicarrier Cellular Amplifier.

3-2 Initial Start-Up & Operating Procedures

There are no operating controls or indicators on the NTUM30DA amplifier module. To perform the initial start-up, proceed as follows:

1. Verify that all input and output cables are properly connected, per section 2.

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 table 1-1 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. Turn on supply that provides -48 Vdc to the amplifier system.
3. Turn the amplifier front panel switch to On. The amplifier will run through built-in-test for a few seconds, and notify the BTS when the loops converge. The base station allows up to 30 seconds for this step to complete.
4. Turn on external exciter/transceiver and apply RF input signals.