9. Verifying RF Output
To verify that you have established the correct RF output for the RF OUT port, follow these steps.
(a) Connect an RF OUT port on the modulator to a spectrum analyzer.
(b) Verify the output level for the frequency and the channel using a spectrum analyzer.
(c) Repeat steps (a) and (b) for the remaining RF OUT port connections.

10. Verifying Audio and Video on a DHCT
After sessions are defined on the DNCS, verify that audio and video are performing properly on a local Digital Home Communications Terminal (DHCT).

Dual SFP GQAM Front Panel
Use the following diagram to assist you with the installation of the modulator.

Note: The front panel is identical for both the AC and DC dual SFP GQAM models.

Dual SFP GQAM Back Panels
Use the following diagrams to assist you with the installation of the modulator, as well as the location of the connection ports.

Rack Mount Brackets
Use the following diagram to assist you with the installation of the modulator using the supplied notched rack mount brackets.

CAUTION: Take care to install the notched rack mount brackets as shown in the following picture. Inverting the brackets will block airflow, which will cause the unit to overheat and damage the unit.
Introduction
This rack installation quick reference is intended for individuals who are responsible for installing the dual small form-factor pluggable (SFP) gigabit quadrature amplitude modulation (GQAM) modulator into a rack system.

For detailed descriptions of the installation process and safety information for this modulator, refer to the Dual SFP GQAM Modulator Installation and Operation Guide (part number 4014102).

Warning and Caution Icons

WARNING: Avoid personal injury and product damage! Do not proceed beyond any icon until you fully understand the indicated conditions.

The following icons alert you to important information about the safe operation of this product.

You will find this icon in the literature that accompanies this product. This icon indicates important operating or maintenance instructions.

You may find this icon affixed to this product and in this document to alert you of electrical safety hazards. On this product, this icon indicates a live terminal; the arrowhead points to the terminal device.

This section provides two fully loaded and recommended rack configurations for setting up your dual SFP GQAM. They include the following configurations:

• Configuration with up to 64 modulators. The remaining 8 RUs are configured with 4 vacant RUs at the top and 4 vacant RUs at the bottom of the rack.

• Configuration with up to 32 modulators. The remaining 8 RUs are configured with 4 vacant RUs at the top and 4 vacant RUs at the bottom of the rack.