Keysight N9048B PXE EMI Receiver

Option B25, 25 MHz Analysis Bandwidth
or
Option B40, 40 MHz Analysis Bandwidth

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Installation Note

Notices

25 MHz or 40 MHz Analysis Bandwidth Installation Kit

Products Affected:	N9048B PXE EMI Receiver
Serial Numbers:	All
To Be Performed By:	(X) Keysight Service Center
	(X) Personnel Qualified by Keysight
	(X) Customer
Estimated Installation Time:	0.5 Hours
Estimated Verification Time:	0.5 Hours

Introduction

This kit contains all of the instructions required to install Option B25, 25 MHz Analysis Bandwidth, or Option B40, 40 MHz Analysis Bandwidth, on a N9048B PXE EMI Receiver.

Option B25 enables the 25 MHz Analysis BW.
Option B40 enables both the 25 and 40 MHz Analysis BW paths.

NOTE

1. At the time of manufacture the hardware related to this option was fully adjusted and the option performance was verified to be within its warranted specifications. Within one year of the initial calibration date of the instrument this option is fully calibrated with no further adjustment or verification testing.

   To determine the initial calibration date, locate the original calibration certificate that was shipped with the instrument at the time of purchase. The Date of Calibration is printed on the original calibration certificate.

   No factory test data is available for this option. If you require test data for this option then a full calibration is required after installation of this option. Arrangements regarding the level of calibration must be made with the calibration provider.

2. The latest revision of the X-Series signal analyzer software may be downloaded from:

   http://www.keysight.com/find/Xseries_software.

3. This option is licensed for one instrument model/serial number combination. The license key will only install on the designated instrument.

Contents

Quantity	Description	Part Number
1	Installation Note	This note
1	Option Upgrade Entitlement Certificate	-----

Tools Required

— Personal computer with internet access and USB port

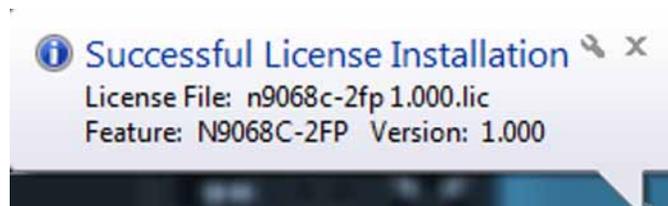— USB storage device with > 2 GB free memory

Installation Procedure over USB

1. Locate the Option Upgrade Entitlement Certificate from the kit.

2. Redeem the Option Upgrade Entitlement Certificate by following the instructions on the Certificate.

3. After redeeming your Option Upgrade Entitlement Certificate you will receive an email with an attached License File.

4. Locate a USB storage device. Perform a virus scan on this device before use.

5. Save the License File to the root directory of the USB Storage Device.

6. Connect the USB Storage Device to the signal analyzer USB port. Windows will detect the new hardware and may display the configuration menu shown in Figure 1. This menu may be configured according to your preferences.

Figure 1   USB Storage Device Configuration Menu

7. The signal analyzer will automatically consume the License File. (This may take a few minutes) When the License File is consumed the Keysight License Manager will display a "Successful License Installation" message similar to the one shown in Figure 2.

Figure 2   Successful License Installation

Alternate Installation Procedure

The License File can be manually installed over USB or LAN by placing the license file in the following folder on the signal analyzer

C:\Program Files\Agilent\licensing

Verify the Installation

1. Cycle power on the signal analyzer.

2. Press **System**, **Show System** to display a list of installed options.

3. Verify that the newly installed option number(s) appears on the list.

Functional Test

Within one year of the initial calibration date of the instrument this option is fully calibrated with no further adjustment or verification testing. To ensure that this newly installed option is functioning correctly and that there are no additional issues, the following functional test is recommended.

1. Press **System**, **Show**, **Errors**, **Clear Error Queue**. This will remove out-of-date errors.

2. Press **System**, **Alignments**, **Align Now**, **All**.

3. Several alignments are performed on the optional functionality you just installed.

4. Watch for any errors during the instrument alignment.

5. Press **System**, **Show**, **Errors** to view the instrument error log.

6. Verify that there were no errors during the alignment.

Optional Information

Select the 25 MHz or 40 MHz bandwidth paths.

1. Press **MODE/MEAS**. Select **I/Q Analyzer** mode and **OK**.

2. Press **Meas Setup**.

3. Press **IF Path**, **IF Path**.

4. If N9048B-B25 is being installed, verify that there are selections for both 10 MHz and 25 MHz IF paths.

5. If N9048B-B40 is being installed, verify that there are selections for both 10 MHz, 25 MHz, and 40 MHz IF paths.

Utilities, Adjustments, and Performance Verification Tests

Utilities Required

None

Adjustments Required

None

Performance Testing Required

None

The end user must ultimately determine whether they want a full calibration to be performed after the installation of this upgrade or not. If a full calibration is required, arrangements regarding the level of calibration must be made between the end user and the calibration provider.

For assistance, contact your nearest Keysight Technologies Sales and Service Office. To find your local Keysight office access the following URL, or if in the United States, call the following telephone number:

http://www.keysight.com/find/assist

1-800-829-4444 (8 am - 8 pm ET, Monday - Friday)

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