

# Keysight PXA Signal Analyzer Option RT1 and RT2 Real Time Spectrum Analysis

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## Installation Note

**Notice.**

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## Option RT1 and RT2 - Real Time Spectrum Analysis Installation Kit

Products Affected:	PXA N9030A
Serial Numbers:	All
To Be Performed By:	(X) Agilent Service Center (X) Personnel Qualified by Agilent (X) Customer
Estimated Installation Time:	1.0 Hours
Estimated Adjustment and Verification Time:	0. Hours

### Introduction

This kit contains all of the hardware and instructions required to install either Option RT1 or Option RT2 on an Agilent PXA Signal Analyzer.

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### NOTE

1. The signal analyzer being upgraded with this option must have software version A.13.00 or newer. To verify that the current version meets this requirement, press **System, Show, System** and look for the “Instrument S/W Revision”.

The latest revision of the X-Series Signal Analyzers software may be downloaded from

[http://www.agilent.com/find/xseries\\_software](http://www.agilent.com/find/xseries_software)

If a software update is required, you **MUST** update the software before following the procedure in this document for redeeming and installing of the option upgrade license key.

2. The signal analyzer being upgraded must also have either Option B85 or Option B1X already installed. To verify that one of these options is present, press **System, Show, System** and look under “Options” for “N9030A-B85” or “N9030A-B1X”,

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

4. For optimum display performance (display update rate), PXAs with the PC2 CPU installed should run the Windows XP for Embedded Systems operating system and PXAs with the PC4 CPU installed should run the Windows Embedded System 7 operating system. Display performance will be suboptimum if the PC4 CPU is running the Windows XP for Embedded Systems operating system. No data is lost when the display performance is suboptimum.

For information on upgrading either the CPU or operating system, go to [http://www.agilent.com/find/pxa\\_upgrades](http://www.agilent.com/find/pxa_upgrades)

## Option RT1 and RT2 - Real Time Spectrum Analysis Installation Kit

### Contents

Quantity	Description	Agilent Part Number
1	RTSA Upgrade Label, PXA	N9030-80029
1	Installation Note	This note
1	Option Upgrade Entitlement Certificate	5964-5178

### Tools Required

- ☐ Personal computer with internet access and USB port
- ☐ USB storage device with >2GB free memory

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## Installation Procedure

### License Installation Over USB

1. Locate the Option Upgrade Entitlement Certificate (5964-5178) 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.

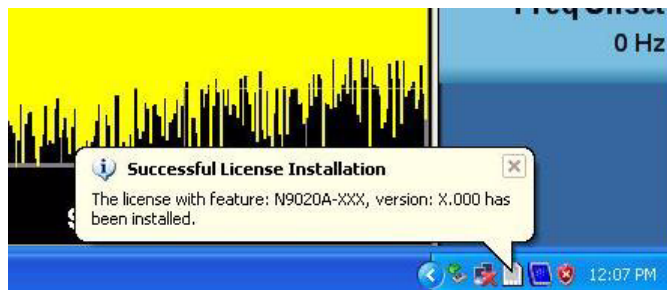
**Figure 1**                      **USB Storage Device Configuration Menu**



## Option RT1 and RT2 - Real Time Spectrum Analysis Installation Kit

7. The signal analyzer will automatically consume the License File. (This may take a few minutes)  
When the License File is consumed the Agilent License Manager will display a “Successful License Installation” message as 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 License Installation and Instrument Software Version

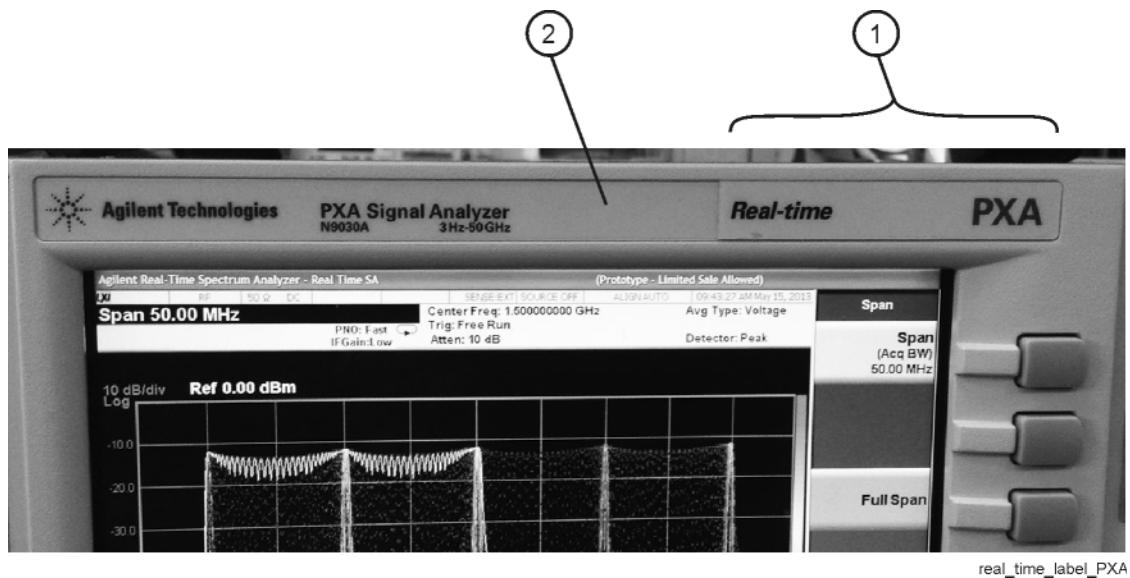
1. Cycle power on the PXA signal analyzer.
2. Press **System, Show, System** to display a list of installed options.
3. Verify that the newly installed option number (N9030A-RT1 or N9030A-RT2) appears on the list.
4. Verify that the “Instrument S/W Revision” meets the requirements outlined in NOTE 1 on page 3 of this document.

### Add “Real-Time” Label

Included in the kit is a label to cover the right hand portion of the nameplate to indicate that Real-Time Spectrum Analysis capability has been added.

1. Locate the real-time upgrade label, N9030-80029, in the kit.
2. Clean and dry the nameplate on the analyzer. This will help to ensure proper adhesion of the label.
3. Peel off the backing of the real-time upgrade label.
4. Refer to Figure 3. Carefully align the real-time upgrade label **(1)** over the right-most portion of the nameplate **(2)**. Once the label is properly aligned, press firmly on the label to ensure proper adhesion.

**Figure 3** Applying Real-Time Upgrade Label to Nameplate



## **Option RT1 and RT2 - Real Time Spectrum Analysis Installation Kit**

### **Utilities, Adjustments, and Performance Verification Tests**

#### **Utilities Required**

None

#### **Adjustments Required**

None

#### **Performance Testing Required**

None

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

<http://www.agilent.com/find/assist>

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