Keysight X-Series Signal Analyzers

Option R2C
Revision to Current, Core Instrument
FW Enhancements

Notice: This document contains references to Agilent. Please note that Agilent's Test and Measurement business has become Keysight Technologies. For more information, go to www.keysight.com.

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Installation Note

Option R2C - Revision to Current, Core Instrument FW Enhancements

Products Affected:	CXA N9000A EXA N9010A MXA N9020A PXA N9030A
Serial Numbers:	All
To Be Performed By:	(X) Keysight Service Center
	(X) Personnel Qualified by Keysight
	(X) Customer
Estimated Installation Time: Estimated Adjustment and Verification Time:	0.5 Hours 0.5 Hours

Introduction

This kit contains all of the instructions required to install Option R2C on an Keysight X-Series Signal Analyzers. This option actually provides licenses for the features listed in Table 1. No tools are required.

Table 1   Licenses and Features Enabled by Option R2C

License	Feature/Description	CXA N9000A	EXA N9010A	MXA N9020A	PXA N9030A
N9060A-3FP	Amplitude Correction and Limit Lines	note [a]	X	X	note [a]
N9060A-4FP	TOI and Harmonics	note [a]	X	X	note [a]
N9060A-5FP	ACP 18 Carrier	X	X	X	X

a. All CXA and PXA analyzers should have N9060A-3FP and N9060A-4FP already installed.

| NOTE | 1. The signal analyzer being upgraded with this option must have software version A.08.50 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.keysight.com/find/xseries_software.

If a software update is required, perform the software update BEFORE following the procedure in this document for redeeming and installing the option upgrade license key.

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

Contents

Quantity	Description	Keysight Part Number
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 > 2 GB free memory
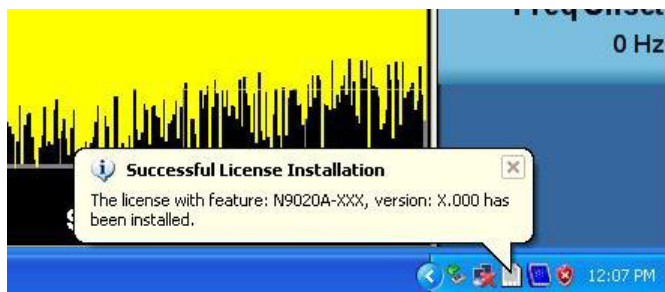
Installation Procedure over USB

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. The features enabled by this license file and their descriptions are listed in Table 1.

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 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 Installation and Instrument Software Version

1. Cycle power on the signal analyzer.

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

3. Verify that the installed option list contains all the features listed in Table 1.

4. Verify that the "Instrument S/W Revision" meets the requirements outlined in the note on page 4 of this document.

Utilities, Adjustments, and Performance Verification Tests

Utilities Required

None

Adjustments Required

None

Performance Testing Required

None

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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