

KEYSIGHT TECHNOLOGIES (AGILENT HP)

N7621B

Keysight N7621B Signal Studio for Multitone Distortion is a PC-based signal creation software application designed to simplify the creation of multi-tone and noise power ratio (NPR) signals for testing RF and microwave components.

SPECIFICATIONS

General

Interfaces	LAN, GPIB, USB (via PC Keysight Connection Expert / VISA)
Display	PC-based Graphical User Interface (GUI)

Software Overview

Software Name	Signal Studio for Multitone Distortion
Software Model	N7621B
Application Type	Signal creation software for multitone and noise power ratio (NPR) signals

Signal Generation Capabilities

Signal Types	Multitone, Noise Power Ratio (NPR)
Tone Phase Modes	Random, Parabolic, Constant, Fixed
Distortion Calibration Support	Automated correction of IMD and flatness using compatible Keysight spectrum analyzers

Supported Instruments

Supported Vector Signal Generators	Keysight/Agilent N5182A/B MXG, N5172B EXG, E4438C ESG, E8267D PSG, M9381A PXIe VSG, M9383A PXIe VSG, M9420A/M9421A VXT
Supported Signal Analyzers for Calibration	Keysight/Agilent N9040B UXA, N9030A/B PXA, N9020A/B MXA, N9010A/B EXA, N9000A/B CXA, E4440A/E4443A/E4445A/E4446A/E4448A PSA

System Requirements

Operating System Compatibility	Windows 10 (32-bit or 64-bit), Windows 7 (32-bit or 64-bit)
Software Prerequisites	Keysight IO Libraries Suite (Version 16.3 or later)

Signal Characteristics

Multitone Count Range	2 to 4097 tones
Tone Spacing Range	100 Hz to maximum instrument bandwidth
Max Number of Notches	20

Key Features

Noise Power Ratio (NPR) Support	Yes
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TECHNOLOGY

Software Signal Creation

APPLICATIONS

Multitone and Noise Power Ratio (NPR) Testing

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