

Keysight U8903B Performance Audio Analyzer

4.0.2204.0102 Version Information

Released Date:	1 April 2022
Requirements category (e.g., operating system):	Microsoft Windows CE
Requirements category (e.g., instrument software version):	None
Requirements category (other):	None
File Name:	4.0.2204.0102k.bin

Bug Fixes

- Fixed Bluetooth version issue

Enhancement

- Removed LAN test from *TST
- Added DC Null Offset
- Changed “CALCulate:HARMonic:FREQuencies?” to return the fundamental values followed by harmonic component frequencies
- Changed “CALCulate:HARMonic:VALue?” to return the fundamental values followed by harmonic component values



4.0.2001.1001 Version Information

Released Date:	11 June 2020
Requirements category (e.g., operating system):	Microsoft Windows CE
Requirements category (e.g., instrument software version):	None
Requirements category (other):	None
File Name:	4.0.2001.1001k.bin

Bug Fixes

- Changing GPIB read/write SRAM size from 4k to 1k
- Fixed reset BERT
- Fixed frequency wrongly displayed if more than 1 MHz
- Fixed Digital Generator enable to accept external clock and frame sync
- Fixed Digital frame sync and data does not sync
- Fixed Digital Generator to provide digital data derived from the Bit clock and FS clock output

New Features

- Added support subscription program N3433A license (POLQA, PESQ measurement)
- Added Bluetooth SCPI commands to answer Yes or No for DisplayYesNo pairing request
- Added SCPI to display harmonics graph
- Added Digital Generator enable to accept external clock and frame sync

3.5.1801.1401 Version Information

Released Date:	4 April 2018
Requirements category (e.g., operating system):	Microsoft Windows CE
Requirements category (e.g., instrument software version):	None
Requirements category (other):	None
File Name:	3.5.1801.1401k.bin

Bug Fixes

- Fixed the custom page of multitone unit reflect correctly when changing unit at multitone.
- Fixed ABORT:SWEep cause unit hang

New Features

- Added Step Size for amplitude when using knob or arrow key will follow the step
- Added Bluetooth Display Yes/No pairing method
- Added Analog Quasi Peak Level measurement

3.4.1706.0992 Version Information

Released Date:	16 June 2017
Requirements category (e.g., operating system):	Microsoft Windows CE
Requirements category (e.g., instrument software version):	None
Requirements category (other):	None
File Name:	3.4. 1706.0992k.bin

Bug Fixes

- Fixed SNR normal mode when applying C message, CCITT and CCIR1K/2K filter on
- Fixed insufficient memory error message on Voice quality test

3.4.1701.2602 Version Information

Released Date:	30 March 2017
Requirements category (e.g., operating system):	Microsoft Windows CE
Requirements category (e.g., instrument software version):	None
Requirements category (other):	None
File Name:	3.4.1701.2602k.bin

Bug Fixes

- Improve SNR Measurement accuracy

New Features

- Added floating I/O feature in U8903B HP emulator mode
- Added SCPI command to run self-test selectively
- Added Digital Audio Recording
- Added Analog Audio Generator feature generate arbitrary waveform using wave files with sampling rates of 6 kHz, 8 kHz, 12 kHz, 16 kHz, 24 kHz, 48 kHz, 96 kHz or 192 kHz

3.3.8.0 Version Information

Released Date:	27 July 2016
Requirements category (e.g., operating system):	Microsoft Windows CE
Requirements category (e.g., instrument software version):	None
Requirements category (other):	None
File Name:	R3.3.8.0k.bin

Bug Fixes

- Fixed wrong amplitude in dBm when switching waveform in Analog Generator
- Fixed unable to select file extension when saving graph
- Fixed Voice Quality measurement unable to save result in folder with special characters
- Fixed the crash at startup when loading with corrupted last power up settings
- Fixed some bugs on analog analyzer and analog graph preset
- Fixed the intermittent phase measurement error in continuous query caused by reference channel changing

- Fixed analog variable phase waveform generation bug where the phase is reset to 0 after frequency changed from SCPI
- Fixed the crash on when setting Function3 to any measurement function when Function1 and Function2 are set to none
- Fixed a defect in streaming method of Bluetooth recording and playback in Voice Quality Module

New Features

- Enhanced the speed of TSA's docx report creation
- Enabled SCPI command, "MMEMory:STORe" to support .wav file
- Added in the DATA:FILE SCPI command to transfer custom file from PC to unit and vice versa

3.3.3.3 Version Information

Released Date:	31 January 2016
Requirements category (e.g., operating system):	Microsoft Windows CE
Requirements category (e.g., instrument software version):	None
Requirements category (other):	None
File Name:	R3.3.3k.bin

Bug Fixes

- Fixed a defect such the generator is now able to generate arbitrary waveform after a reboot with the unit previously configured to output arbitrary waveform under last power-up setting
- Fixed a defect such that the generator's output state will now be loaded properly when the instrument is configured to power up with last power-up state
- Fixed a defect such that an error message will be prompted when the unit is powered down during the sweep test
- Fixed a defect in which the number of data point is wrongly set and clipped when the command, SENSE:DIGital:WAVEform:POINTs is sent
- Fixed a defect such that the frequency readings wouldn't flip randomly between Hz and kHz
- Fixed a defect in which pressing Return in the List View menu will now return to the last menu

- Fixed a defect to now allow Sweep Edit Points to be selected from the Point Settings soft key menu
- Changed to immediately save any changes of the system settings such as GPIB address, FTP enabled and etc. to take care of improper shutdown scenarios
- Resolved graph synchronization issue
- Modified the instrument such that it will stay in the range value that is set during phase measurement when switching to other measurements from phase measurement. Previously, the instrument will automatically revert back to the range value that set before phase measurement when switching to other measurements from phase measurement
- Fixed the crash on DISP:GRAP:TRAC when UI updates are called
- Fixed the crash on DISPlay:WINDow:GRAPh:TRACe1:Y:VAL? when no value is found in trace
- Fixed a defect on arbitrary waveform generation for large file
- Fixed the hang issue on arbitrary waveform data reading from certain thumb drives when the waveform file size is more than 32 MB
- Fixed a defect such that the wave file saving will now be run for second time onwards
- Fixed a defect on TSA's phase measurement report generation
- Fixed a defect such that the dual-panel display is now able to display two graphs that run independently. Previously, the graph will not run if both graphs don't have the same trace enabled
- Fixed a defect such that the correct harmonic values will now be displayed on Digital interface
- Fixed a defect in such that toggling between system menu page and current menu page by pressing System button on the front panel will now work even though the Utility button is pressed during system mode
- Fixed the incorrect harmonics state after loading state or graph query for Digital and Bluetooth interfaces
- Fixed query status's recall for analyzer and graph during last power-up state or normal state recall

New Features

- Added THD+N verification feature
- Added TEST:THDN SCPI command

- Enabled auto refresh for Bluetooth link status
- Changed the Min, Max and Average delay time to be displayed with 5 digits for Voice Quality measurement
- Changed the bandwidth selection on analog interface from 90 kHz to 96 kHz
- Allowed current running voice quality measurement to be aborted
- Changed the single progress box at Test Sequence Application (TSA) to dual-progress box to report sub-progress of measurements
- Stopped user from turning on the generator when the arbitrary file does not exist
- Enhanced the resampling speed of Voice Quality measurement in TSA
- Removed the Gain results from external frequency sweep measurement
- Enabled the export of recorded wave file which has the same sampling rate as the playback wave file in Voice Quality measurement

3.3.2.0 Version Information

Released Date:	25 August 2015
Requirements category (e.g., operating system):	Microsoft Windows CE
Requirements category (e.g., instrument software version):	None
Requirements category (other):	None
File Name:	R3.3.2.0k.bin

Bug Fixes

- Bug fixes on SCPI commands
- Fixed wideband FFT graph discontinuity issue
- Enable backward compatibility for firmware update

3.2.3.0 Version Information

Released Date:	2 March 2015
Requirements category (e.g., operating system):	Microsoft Windows CE
Requirements category (e.g., instrument software version):	None
Requirements category (other):	None

File Name: R3.2.3.0.bin

Bug Fixes

- Fixed problem where changing Volt/FS in Digital Analyzer Channel 2 has no effect of the VAC result
- Fixed triggering issue

New Features

- Added Drop Frame feature
- Added BERT Reset
- Added TDM channel field for Digital Generator Interface settings

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