

N6820ES Surveyor 4D Software

Version 4.3.0

Released Date:	2019-06-01 - (June 6, 2019)
Operating Systems:	Microsoft Windows 10 Microsoft Windows 7
Instrument Drivers and Software Versions	2.2.0 N6841A Sensor Management Software (SMT) (www.keysight.com/find/N6841A-SW) 2.1.240.2 M9391A Driver (Included) 2.1.968.3 M9393A Driver (Included)
Firmware Versions	N6841A Firmware (Included with N6841A SMT software) REL 2.2.0 – BUILD 3008 – FPGA 12071217 (Single WB Ch) REL 2.2.0 – BUILD 3008 – FPGA 15080715 (Multi NB Ch)
File Names:	N6820ES_4.3.0.exe (Size 1,035 Mbytes) N6820ES_Extensions_4.3.0.exe (Size 1,851 Mbytes) N6820ES_ASD_4.3.0.exe (Size 834 Mbytes)

New Features

- Support for the FieldFox hardware
- Start/Stop Alarm Task for Spectrum Recorder
- Channel detection identification and independent adjustable thresholds for multi-channels
- Tracking Location Alarm Task for to quickly geo-locations of Drone Video Downlink
- Location Alarm task with pulse duration min/max, rising edge thresholds
- SQL Visualizer GUI
- Added the following Applications:
 - DECT 6.0 Cordless Phone Application
 - N6850A Calibration Application, including calibration files for the N6850A Keysight Antenna
 - Drone Detection and Location Application (Requires multiple N6841A RF Sensors)

Enhancements

- Spectrum Recorder to work in Directed Search Mode
- Improved NBR recordings by adding Frequency Offset
- Re-organized director structure for Apps and Detectors to support multiple hardware platforms

Bug Fixes

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Version 4.2.0

Released Date:	2017-09-08 - (September 8, 2017)
Operating Systems:	Microsoft Windows 10 Microsoft Windows 7
Instrument Drivers and Software Versions	2.1.0 N6841A Sensor Management Software (SMT) (www.keysight.com/find/N6841A-SW) 2.1.240.2 M9391A Driver (Included) 2.1.910.2 M9393A Driver (Included)
Firmware Versions	N6841A Firmware (Included with N6841A SMT software) REL 2.1.0 – BUILD 2930 – FPGA 12071217 (Single WB Ch) REL 2.1.0 – BUILD 2930 – FPGA 15080715 (Multi NB Ch)
File Names:	N6820ES_4.2.0.exe (Size 824 Mbytes) N6820ES_Extensions_4.2.0.exe (Size 1,723 Mbytes) N6820ES_ASD_4.2.0.exe (Size 656 Mbytes)

New Features

- Support for the M9393A PXIe Performance Vector Signal Analyzer: 50 GHz
- New InstallShield based installer

Enhancements

- Location Alarm Task enhancements:
 - New Auto Trigger level
 - Enhanced Edge Detection
 - Enhanced Lookback feature

Bug Fixes

- Patches applied to OpenText eXceed causing GUI residual images and fragmenting issues
- Fixed December 31, 2016 leap second error
- Fixed Directed Search Sweep Ratio
- Fixed Multi-Channel bandwidth calculation for energy detection on channels 2 through 4
- Fixed Field Strength algorithm (Mathematical error)

Version 4.1.1

Released Date:	2016-09-19 - (September 19, 2016)
Operating Systems:	Microsoft Windows 10 Microsoft Windows 7
Instrument Drivers and Software Versions	2.0.6 N6841A Sensor Management Software (SMT) 2.1.240.2 M9391A Driver (Included)
Firmware Versions	N6841A Firmware (Included with N6841A SMT software) REL 2.0.6 – BUILD 2897 – FPGA 12071217 (Single WB Ch) REL 2.0.6 – BUILD 2897 – FPGA 15080715 (Multi NB Ch)
File Names:	N6820ES_4.1.1.exe (Size 2,763 Mbytes) N6820ES_ASD_4.1.1.exe (Size 565 Mbytes)

New Features

- Support for the M9391A PXIe Vector Signal Analyzer: 6 GHz
- MATLAB SQL visualization tool
- Supports Windows 10
- New License required (License version 6.1)

Enhancements

- Various user interface improvements

Bug Fixes

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Version 4.1.0

Released Date:	2015-10-01 - (October 1, 2015)
Operating Systems:	Microsoft Windows 8 Microsoft Windows 7
Instrument Drivers and Software Versions	2.0.5 N6841A Sensor Management Software (SMT)
Firmware Versions	N6841A Firmware (Included with N6841A SMT software) REL 2.0.5 – BUILD 2853 – FPGA 12071217 (Single WB Ch) REL 2.0.5 – BUILD 2853 – FPGA 15080715 (Multi NB Ch)
File Names:	N6820ES_4.1.0.exe (Size 1,211 Mbytes) N6820ES_ASD_4.1.0.exe (Size 656 Mbytes)

New Features

- Support of multiple narrowband channels
- Narrowband recording (NBR)
- Universal Signal Detection with Narrowband Confirmation (USD)
- New universal signal detectors
- New License required (License version 6.0)

Enhancements

- Various user interface improvements

Bug Fixes

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Version 4.0.1

Released Date:	2015-01-31 - (January 31, 2015)
Operating Systems:	Microsoft Windows 8 Microsoft Windows 7
Instrument Drivers and Software Versions	2.0.4 N6841A Sensor Management Software (SMT)
Firmware Versions	N6841A Firmware (Included with N6841A SMT software) REL 2.0.4 – BUILD 2652 – FPGA 12071217
File Names:	N6820ES_4.0.1.exe (Size 1,205 Mbytes) N6820ES_ASD_4.0.1.exe (Size 178 Mbytes)

New Features

- Added Field Strength

Enhancements

- Minor changes to default configurations

Bug Fixes

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Version 4.0.0

Released Date:	2014-04-24 - (April 24, 2014)
Operating Systems:	Microsoft Windows 7
Instrument Drivers and Software Versions	2.0.3 N6841A Sensor Management Software (SMT)
Firmware Versions	N6841A Firmware (Included with N6841A SMT software) REL 2.0.3 – BUILD 2531 – FPGA 12071217
File Names:	N6820ES_4.0.0.exe (Size 2,763 Mbytes) N6820ES_ASD_4.0.0.exe (Size 656 Mbytes)

Initial Release

- License version 5.1