

## **DG8SAQ VNWA helpfile change history for General Release 36.7.6 published on 1 May 2018**

Only the changes are shown since the previous General Release 36.7.2 published February 2017.  
For full list of changes see the file in the 36.7.6 installation directory.

Note: For every new revision I update the compilation date on page 1.

If a new software revision is available since the last helpfile release I will update the image showing the about box with the most recent software release.

These two automatic changes will not be mentioned in the change history.

### **1.5.2018 VNWA36.7.6 + firmware 4.15, 5.22**

- page "Automatic driver and software installation" links updated.
- page "Disclaimer" links updated.
- page "T-Check" links updated.
- page "Tools - Complex Calculator" broken link [www.tyberis.com](http://www.tyberis.com) removed.
- page "Configuring and running the VNWA application under Windows Vista, 7 or 8" updated to Win10.
- page "Vista / Windows 7 / Windows 8 help file issues" updated for Win10 fix.
- page "VNWA Software Updates" link updated.

### **8.4.2018 VNWA36.7.5 + firmware 4.15, 5.22**

- page "Keyboard Shortcuts" added F10: open s1p drop target.
- page "Custom: Trace data manipulation" added data functions s\_dm, s\_dm\_sym, s\_open, s\_short, s\_load.
- page "Tools - Specification Tester" added optimizer functionality and log comment functionality.
- page "Tools - Optimizer" added settings-realtime update.
- page "File - Retrieve - Calibration: The Calibration File Manager" directory tree feature added.
- page "File - Retrieve - Instrument State: The Instrument State Manager" directory tree feature added.
- page "File - Import Data" added copy and paste functionality, added drop target functionality.
- page "Memory Spaces" copy and paste functionality added.

### **1.3.2018 VNWA36.7.4 + firmware 4.15, 5.22**

- page "Settings - Diagrams - Display - Grid Options" added return loss entry mode for VSWR circles in Smith grid.
- page "Tools - Optimizer" restricted frequency range feature added.
- page "Calibration Standard Setup" added parameter L- and delay to simple cal kit load model.
- page "Memory Spaces" increased number of Mem\*-spaces from 4 to 10.
- page "Custom: Trace data manipulation" added variables Mem5...Mem10, up to 10 custom subexpressions available, new sub\*-right-click menu.

### **23.1.2018 VNWA36.7.4 + firmware 4.15, 5.22**

- page "Keyboard Shortcuts" keyboard shortcut alt+t changed from configure tools to spec tester.

### **11.1.2018 VNWA36.7.4 + firmware 4.15, 5.22**

- page "Custom: Trace data manipulation" added optimizer functions Opt, OS1...OS20
- page "Tools - Optimizer" changed from 10 to 20 subexpressions and expression and subexpressions can directly be plotted.

### **7.1.2018 VNWA36.7.4 + firmware 4.15, 5.22**

- page "Settings - Diagrams - Display - Grid Options" added VSWR-circle vs. reflection coefficient circle in Smith Grid tab.
- page "Marker Summary" copy and paste of marker caption feature added.
- page "Tools - Complex Calculator" added optimizer variables x1...x10

### **31.12.2017 VNWA36.7.4 + firmware 4.15, 5.22**

- page "Tools - Optimizer" changed from 3 to 10 subexpressions.
- page "Prerequisites" new Linux package and changed location added.
- page "Configuring the Software for use with an N2PK VNA" updated for new way to activate n2pk support.
- page "Tools" data client added.
- page "Tools - Data Client" added.
- page "Virtual VNWA Instruments" added.
- page "VNWA Virtual Demo Device" added.
- page "VNWA Data Client" added.
- page "VNWA RC Client" added.

-page "Controlling the VNWA via TCP/IP" added links to pages "VNWA Data Client" and "VNWA RC Client".Added section "Launching the TCP Servers".  
-page "Options - Select Instrument" updated to reflect add/remove instrument submenu.

**6.10.2017 VNWA36.7.4 + firmware 4.15, 5.22**

-page "Remote-controlling the VNWA" added TCPIP support.

-page "Controlling the VNWA via TCP/IP" added

-page "Keyboard Shortcuts" added ctrl+alt+r: open RC debug window, ctrl+alt+s: TCPIP data server on/off, ctrl+alt+t: TCPIP RC servers on/off