

NEWSLETTER TS-EMF

Service Packs for Version 4.10 of System Software R&S RFEX Support of new R&S TSMU-Firmware

Dear TS-EMF Users

Rohde & Schwarz have released Service Pack 4 for Version 4.10 of TS-EMF System Software RFEX. Service Pack 4 is only relevant for Customers using the R&S RFEX with the R&S TSMU. More details can be found below.

Also, this newsletter contains an overview over the Service Packs available for Version V4.10. All applicable Service Packs can be downloaded from the Rohde & Schwarz Internet pages. The update link is given at the end of this newsletter.

General Information on Customer Registration and Support

TS-EMF customers are recommended to have their e-mail address registered at the Rohde & Schwarz Customer Support Centre. After registration they will automatically receive newsletters and update information for the TS-EMF System via e-mail. Moreover, registration is possible for update information on many other Rohde & Schwarz products, e.g. the spectrum analyzer used with the R&S TS-EMF system. Support Centre Contacts for registration can be found at the end of this newsletter.

Please contact your service representative or the Customer Support Centre in case you want more information on registration.

General Information on Service Packs

Please be aware, that R&S RFEX Service Packs do not automatically install the update files. Service Packs are made up of a password-protected file. This has to be unzipped to a temporary folder, and the extracted files have to be copied manually to the RFEX installation folder (see the Info.txt file included in the Service Pack for details). It is of high importance to read the information files and to closely follow the instructions. The password to unzip the Service Pack file can be obtained from your Rohde & Schwarz representative or from the Customer Support Centre. Registered customers automatically receive the password via e-mail.

The R&S TS-EMF and R&S RFEX manuals are updated with new R&S RFEX versions only, not with the Service Packs.

Details on Service Pack 4

R&S RFEX V4.10 Service Pack 4 is only necessary for customers performing measurements with a R&S TSMU. All other customers can ignore this Service Pack!

Service Pack 4 supports the new R&S TSMU firmware generation 11.xx. Only users having this new firmware version on their R&S TSMU need to install the Service Pack. Customers using the R&S TSMU with firmware older than 11.xx can ignore this Service Pack and in particular must not install the new firewire driver!

Detailed information about applicability and installation of Service Pack can be found in file InfoSP4.txt included in the Service Pack.

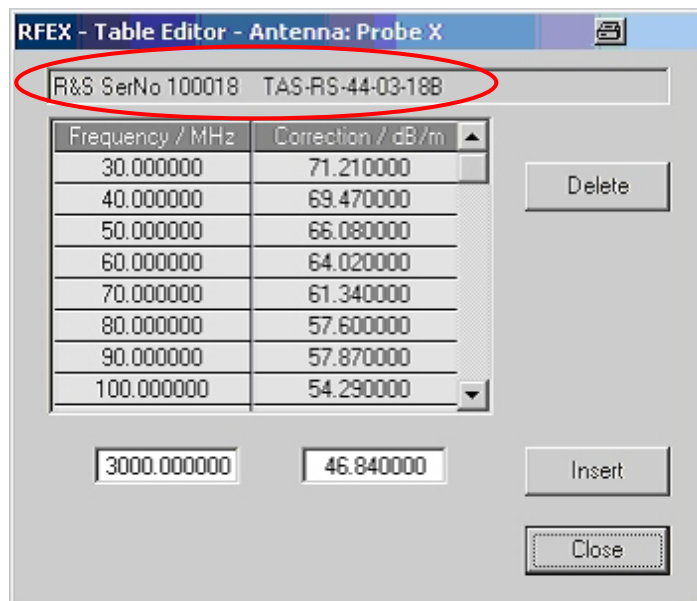
Relation with other Service Packs

The R&S RFEX must have been updated with Service Pack 2 before Service Pack 4 can be installed. Service Pack 3 is independent from Service Pack 4.

Details on Service Pack 3

Service Pack 3 improves the recognition of the tri-axis isotropic sensor when used with the FSH. It sets the FSH to the mode "Accessory: None" to avoid problems when switching the axes. For customers using the FSH, upgrade to Service Pack 3 is strongly recommended.

Please be aware that the specific set of correction factors belonging to the particular antenna used for the measurement, must always be present for calculating measurement results correctly. Antenna correction factors are imported from the corresponding hardlock via the menu **File → Antenna → Copy from hardlock**. The serial number can be checked when the antenna data are displayed. (The second code corresponds with the factory calibration report). This improves not only measurement accuracy but also assures correct antenna control.



Further information on two minor corrections in Service Pack 3 is given in file Info_SP3.txt included in the Service Pack.

Relation with other Service Packs

The R&S RFEX must have been updated with Service Pack 2 before Service Pack 3 can be installed.

Details on Service Pack 2

There have been a number of important improvements and corrections implemented with that Service Pack.

Important: Because some of the new DLLs need to be registered to Windows, it is necessary to run SP2_Registration.bat after copying the Service Pack files. .

Fixed problems in Service Pack 2

- Data accumulation and compression has been corrected when using the TS-EMF 3-axis probe with the option "Switch axes individually" activated in the Hardware Configuration.
- Remote control of spectrum analyzer FSU (all models) has been corrected (set correct number of sweep points).
- Cable attenuation was not taken into account in real-time bargraph for measurements with UMTS decoding.
- Second part of the Overview sheet of the new extended report could be overwritten by the first part's graphic when measuring with a big number of packets.
- Reference level of FSHx is now correctly limited to 126 dBuV/m.
- GPIB read error with command "SYST:DISP:UPD OFF;*OPC?" appearing sporadically with FSL does not occur anymore.

Improvements in Service Pack 2

- Frequency values in all reports now have a common format with 4 digits after the period (100 Hz resolution).
- Delay before starting a peak/average measurement is programmable now.
- FSHx video bandwidth can now be set.
- Number of pixels on analyzer display can now be switched between high resolution (8001, FSU: 5001) and standard resolution (501, FSU: 625).
- Bandwidth for peak reduction in sweep with peak search mode has been extended to 50 MHz.
- UMTS decoding with TSMU ultra-fast-mode (2 steps): Additional button for switching to the next scrambling code without having to wait for the peak/average cycle to complete.
- UMTS decoding with TSMU: Warning if overload (level higher than -20 dBm).
- UMTS decoding: Report lines are sorted by frequency now.
- General rework of UMTS decoding allows to measure in frequency lists with entries at which no CPICH can be decoded. Added a selection in Options dialog for measuring with short time periods (fast peak value update, but unreliable average values) or not (reliable averaging, but slower value update). See the Release Notes for more details.
- Hardware Configuration editor: FSL has been added explicitly to list of supported spectrum analyzers.

Fixed problems and improvements in Service Pack 1

- Export to Excel in RFEX V4.10 worked only for Excel XP. In Service Pack 1 it works for Excel 2000 as well.
- When switching the TS-EMF probe from the FSHx spectrum analyzer, the check for the probe being connected depends on the model and the serial number as read from the probe calibration file "Probe X". Model and serial number identification is now consistent with all delivered probes.
- A long-term measurement could stop at 24:00 o'clock. This has been corrected.
- Pre-amplifier setting was not saved correctly when using FSHx without TS-EMF probe.

Relation with other Service Packs

Service Pack 1 is included in Service Pack 2. Therefore, there are no pre-conditions for installing Service Pack 2.

Download link

http://www2.rohde-schwarz.com/en/products/test_and_measurement/product_categories/emc_test_systems/EMF/TS-EMF-Software-24-1053.html

Customer Support

In case of questions or problems please contact one of our Customer Support Centres:

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Customer Support America

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