

Release Note

EMC32

Version 6.30.10

Service Pack 1

1 Scope

This document gives an overview of the additional features and fixed problems that are implemented with version 6.30.10:

- EMC32-E+
- EMC32-S
- EMC32-K1,K2,K3,K4,K6,K7
- IMS OS Software (Note: requires EMC32-U6 for EMC32-S)
- EMC32-E, EMC32-A, EMC32-C (Note: requires EMC32-U6 for EMC32-S)

Subject to change

2 Installation/Update

2.1 Update

Download and run the "Update_EMC32_6V30_10.exe" program in order to update your EMC32 installation to V6.30.10 (Service Pack 1).

3 Fixed Problems:

- **General**
 - Save Test: fix problem that the first double click on a folder resets the selected path.
 - Graphics: fix bug with auto scale when the trace table contains only 0.0 values.
 - Table Editor: fix output of an error message when a read only table was closed.
 - Actions → Set Remote: fix problem when GPIB command contains a “,” character.

- **EMI**
 - An EMI auto test could fail when starting the analysis on existing preview results.
 - EMI Auto Test Template: fix problem when no limit lines were defined in the data reduction.
 - HW Setup: fix bug when using a GTEM transducer in EMI radiated HW setups.
 - EMI Auto Test 'EMI Power': With manual positioning of the absorbing clamp, the adjustment range always started at the latest physical position.

- **EMS**
 - Modulation was not set correctly at the signal generator when using a template with different modulation types in each subrange.
 - EMS Auto Test: fix problem when loop and final report template are identical.
 - EMS Auto Test: fix problem with wrong loop result table names when generating of WMF files was not activated in the report section.
 - Field Uniformity Evaluation: remove the limit extension of 0.05dB for the 6dB and 10dB limit.
 - EUT Monitoring: increase the number of stored digits for the center frequency.

- **Device Drivers**
 - Generic Generator: show min/max values from the configuration file correctly.
 - SMG: allow up to 30 dBm output for the SMGL.
 - SMH: fix problem with PM if FW < 2.0 .
 - Generic Power Meter: change limits for minimum / maximum power settings.
 - OSP: fix problem with long signal path list.
 - Interlock: fix problem that port selection for the TS-RSP was not visible.

4 Changes and Improvements:

- **General**
 - Device List: allow the character '/' in device names.

- **EMI**
 - Improvement: The EMI Analysis function 'Merge Result' now doesn't copy the source traces into the optional graphics diagram.
 - EMI Auto Test: When using the feature 'Continuous Turntable' movement for the preview test, then the speed setting from the adjustment will be used.

- **Device Drivers**
 - Field Probe Positioning: support now the Inn-Co FSM2315 device.
 - UPL: improve max hold algorithm.
 - CMU: allow to stop the automatic call setup and change to the local mode.
 - ESU: The ESU drivers now support fast (TD) scans with detectors CISPR-AV and CISPR-RMS. This requires option ESU-K53 installed in combination with firmware version 4.23 or later.
 - The ESU drivers now enable to alternatively use the low noise preamp option (LNA) ESU-B24 (select nominal gain of 30 dB) above 100 kHz, only for sweeps defined without (!) preselection. Above 1 MHz this setting can further improve the sensitivity by a few dB. Above 3.6 GHz a gain selection of 20 dB (with preselection on) will automatically make use of the LNA option ESU-B24 if installed.