

SOFTWARE RELEASE NOTES # 19

November 22, 2013

To: All RFXpert End-Users

Re: RFXpert v4.0.0.26

Requirements

Please check the RFXpert SW version on your computer. If the version is older than RFXpert 3.4, please contact EMSCAN to upgrade to RFXpert v4.0.

This software can only run under Windows operating systems: Windows XP SP3, Windows 7 and Windows 8.

Agilent IO library needs to be installed. You can download the latest version of this software at <http://www.home.agilent.com/en/pd-1985909-pn-E2094/io-libraries-suite-162?&cc=CA&lc=eng>

New Features

- Multi Co-planar measurements for large antennas

This feature allows the RFX2 to be used to measure antennas up to 112cm x 232cm by stitching together multiple measurements. This feature requires the RFX2 to have the external phase reference port. This feature is not supported on RFX models.

- Holographic Projection to any planar surface

The holographic projection will display the magnetic field distribution on any planar surface. Selecting the projection distance will update the results in the near-field windows to show the predicted fields.

- Near-Field Windowing for improved pattern accuracy

By applying a custom designed windowing function to the near-field to far-field transformation, improved patterns can be obtained. This function will also improve the gain and EIRP predictions.

- Pattern Correlation and Envelope Correlation calculation

When two results are compared using the golden sample comparison feature, the RFXpert software will automatically calculate the correlation between the two patterns.

- Separation can be applied after measurements are complete

If the separation parameter was not properly set during measurement the value can now be changed after the scan is completed. This feature requires that the RFXpert software have access to the config.cfg file that the scan was run with.

- Datalist can be sorted by Frequency or by Index

By clicking on the datalist header, the list can be sorted by frequency or by index. The index would reflect the order that the measurements were taken in.

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