By the TDEMI Click Rate Analyzer (Option CLICK-UG), which is full compliant according to CISPR14 by the way, a fully integrated click rate analyzer, measuring at all four frequencies (150 kHz, 500 kHz, 1.4 MHz, and 30 MHz) simultaneously, was released for the ultra-fast TDEMI Receiver Series of GAUSS INSTRUMENTS. Hereby the overall test time could be reduced by several factors in comparison to a traditional EMI receiver which is measuring each frequency point sequentially.

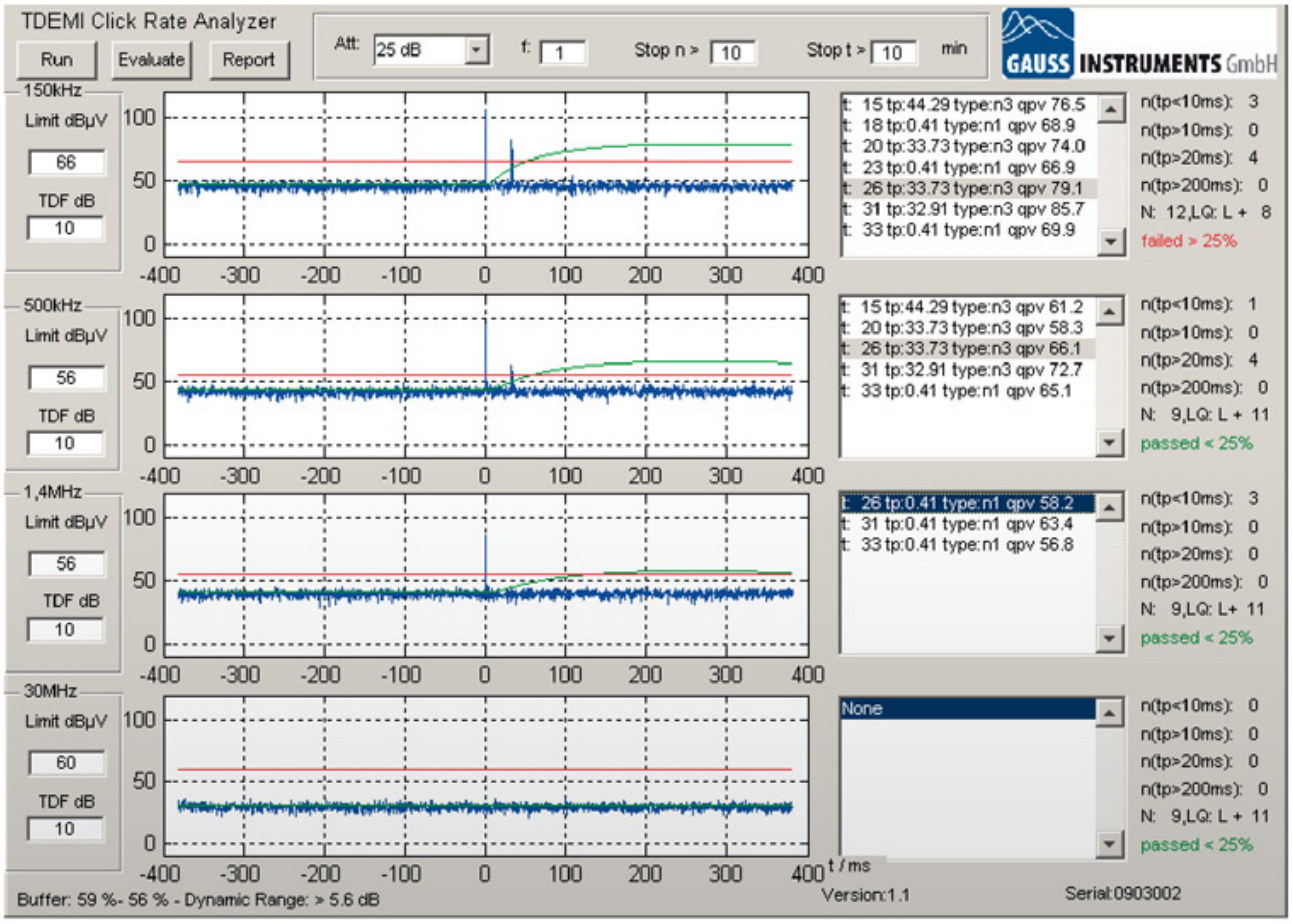


Fig. 1 – **Click Rate Analyzer according to CISPR 14 & CISPR 16-2-1**

By the recently released 64bit version of the click rate analyzer TDEMIClick there are many further advantages available which apply for use in your lab further simplifying your daily testing. Peak detector as well as Quasi-peak detector are displayed in real-time at all four frequencies during the measurement. With the full support of 64bit operating systems much more memory can be addressed now, so the full usage of nowadays powerful computers and large RAM size makes it possible to record very long test cycles completely. Thus, it is possible to measure fully automated devices with very long operation cycles and to evaluate and create test reports fully automated. E. g. test cycle times up to eight hours are possible (system requirements: Windows 7, 64bit). All the acquired data is recorded and evaluated to the limit line. Therefore, there is no loss of data or information even in very long-term test cycles. All single disturbances are recorded and evaluated, and can be selected, archived or plotted afterwards – all the level information of all clicks is available and selectable afterwards.

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Each single disturbance can be selected in a list and the IF signal as well as the result of the Quasi-peak detector evaluation can be displayed. So, there is no need at all for additional final measurements. The format of the archived data even allows an evaluation to a later date or post processing. Long-term measurements of entire operation cycles of up to eight hours are therefore easily and in an efficient way completed in just one run. Through the full integration into the TDEMI receiver not only testing time is saved because of the ultra-fast measurements by the inherent TDEMI technology, also further effort and costs, e.g. for regular calibration of the equipment, is saved since there is just a single instrument which has to be calibrated and which is more than satisfying all your challenging testing purposes.

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