

ESMC-RAMON – entry into computer-aided radiomonitoring

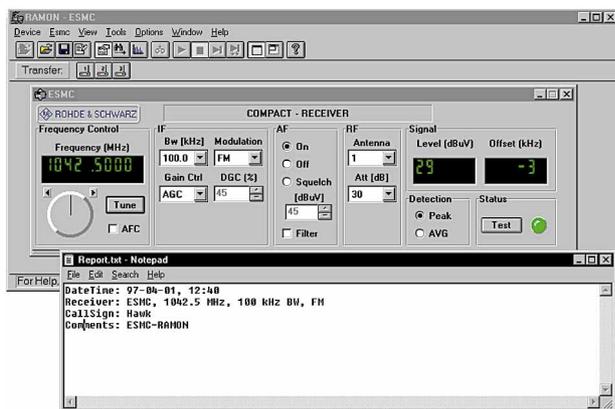


FIG 1 ESMC-RAMON for simultaneous receiver operation and preparation of reports

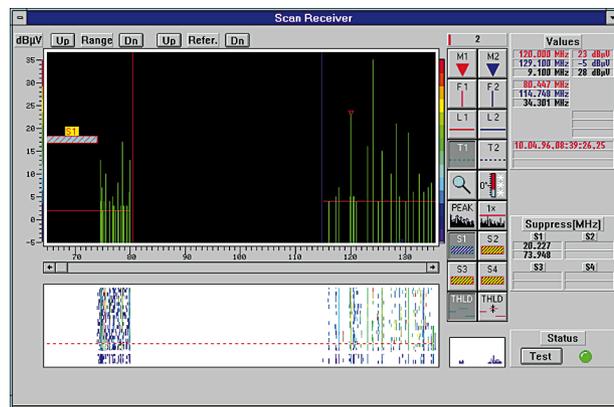


FIG 2 Overview window of ESMC-RAMON in search mode

The ESMC-RAMON program package offers an attractively priced entry into computer-aided radiomonitoring. The universal operating software is a new option for Compact Receiver ESMC [1; 2]. Derived from Radiomonitoring System RAMON® [3; 4], it combines the two names to ESMC-RAMON thus indicating its origin. This program package is the solution for newcomers to computer-aided radiomonitoring. Its graphics interface and the standardized Windows operating concept make the user feel familiar right from the startup of the program. The scope of functions is reduced to the essential, operation is simple and the benefits of ESMC-RAMON will show after a very short period of use.

The favourable price is not only easy on the budget but also a spur to try and test, particularly when customized solutions are to be developed. This especially applies to the complex field of instrument control, where the outlay required for software development rapidly exceeds the price of ESMC-RAMON. This software is proof that instrument control too is a Rohde & Schwarz domain. Despite data exchange with the receiver, other programs may also be active. The user

can monitor signals with ESMC and prepare reports at the same time (FIG 1). Another example of optimized instrument control are the two possibilities for operation. ESMC can be set from the controller, or settings can be made on the receiver without any switchover being required. Settings made on the one are automatically updated on the other. The user thus benefits from direct instrument control and from computer control at the same time.

Resolution, colours and the memory of the controller open up new dimensions for radiomonitoring with ESMC. This is emphasized by the integrated over-

view window (FIG 2), where all signal levels of a search run are displayed. Discrete signals can be selected by means of colour markers and lines and their parameters measured. Search parameters are taken from files on the harddisk. These capabilities and the use of ESMC-RAMON give access to computer-aided radiomonitoring.

ESMC-RAMON is not only capable of controlling a single ESMC. With the aid of the "Transfer" software option it can also allocate signal parameters to other units (FIG 3). Since not only other ESMCs but even VHF-UHF Receivers ESM500 can be set, users of ESM500

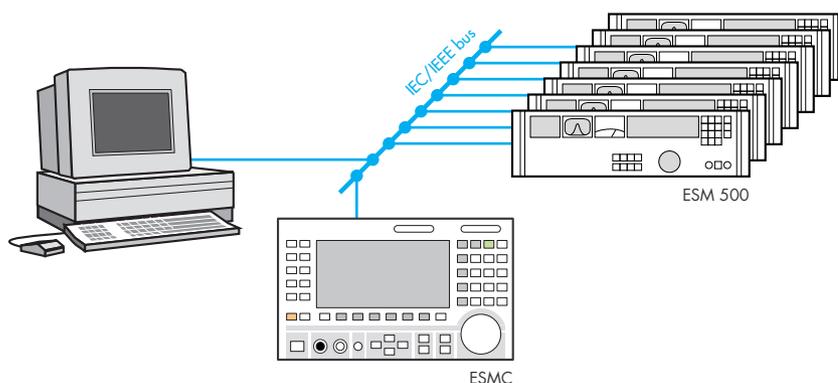


FIG 3 ESMC-RAMON software combining VHF-UHF Receivers ESMC and ESM500 into one system

will also be able to enhance the effectiveness of their units. Signals from the ESMC overview window can be directly transferred to the receivers for monitoring and evaluation. The time between signal detection and monitoring is thus reduced to a mouse click.

Search data can be recorded using the "Evaluate" software option. Recorded results may be recalled and then analyzed. ESMC-RAMON makes stepping up to Radiomonitoring System

RAMON® easy. ESMC setups can be transferred to RAMON without any modifications, reducing the outlay for the change to a minimum. Operation of the two systems is identical, so know-how acquired with ESMC-RAMON can immediately be put to use on RAMON.

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