

FLIGHT TESTING OF AIRBORNE EW SYSTEMS (RWR AND ECM)

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ABSTRACT

This paper describes the way flight testing of airborne EW systems are planned, performed and evaluated. An approach for evaluation of typical EW system parameters such as RWR direction finding and positioning, interoperability between the sensors on the aircraft and ECM performance is presented. Also, the differences between lab tests with simulators and flight tests are highlighted.

Furthermore, the tools used for planning and evaluation of flight tests are discussed together with a presentation of a methodology for analysis of data recordings from flight tests.