



ILS CHECKER EVS SOFTWARE

The ILS Checker EVS software combined with the Rohde&Schwarz EVS300 or EVSx1000 ILS/VOR Analyzer is a mobile ILS test system designed for ground measurement. It is a Windows-based application providing measured data acquisition, graphical display of results, and special analytical capabilities. Recommended by ICAO for preventive maintenance, ILS ground measurements are also useful for corrective maintenance and the preparation of commissioning flight checks.



The ILS Checker EVS increases the efficiency of ground measurements and reduces the duration and costs of flight checks. It opens new horizons in term of ILS measuring techniques:

By giving more importance to ground maintenance, it can enable a reduction of the flight check frequency.

Features:

- RTK GPS integration for an accurate positioning of +/- 3 cm
- Compensation of vehicle trajectory
- A flexible ILS test system: it can be installed in a dedicated measurement vehicle or in a non-dedicated vehicle
- Suitable for LOC and GP: dynamic rather than static measurements
- A high degree of accuracy and repeatability: averaging calculations and trajectory compensation - any small change in the ILS signal are detected
- A very high sampling rate of 100 Hz
- Excellent correlation with flight check
- Measurements can be conducted by a single technician

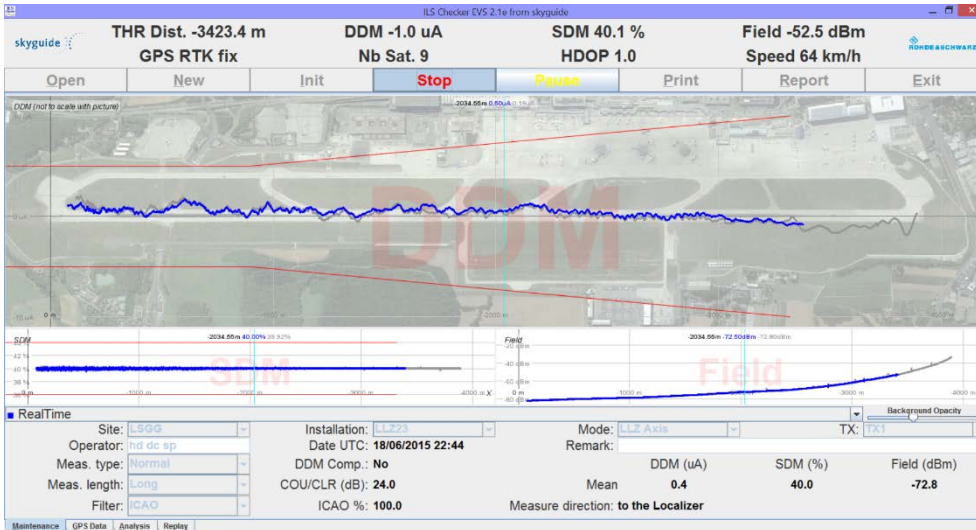
A full typical ILS maintenance program:

- ILS signal in normal and alarm conditions
- Simultaneous course / clearance analysis
- Deep signal analysis: filtering effect and reflector localization

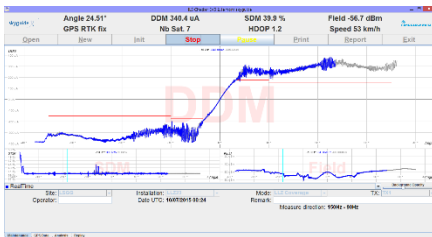
Contact:
skyguide

Tel. +41 43 931 65 77
sales@skyguide.ch
www.skyguide.ch

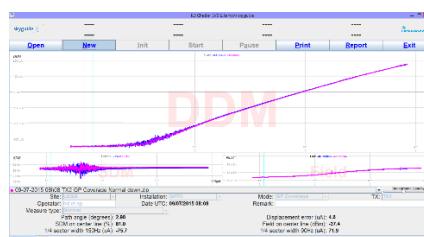
skyguide
swiss air navigation services ltd.
flugsicherungsstrasse 1-5
CH-8602 Wangen



LLZ Axis



LLZ Coverage



GP Coverage

Measurements:

- Localizer course structure along the runway centerline
- Localizer coverage for +/- 35° azimuth orbit measurements
- Localizer linearity coverage for +/- 5° azimuth orbit measurement in far-field conditions
- Glide path coverage: a vertical profile of the GP signal, measured at the threshold with a telescopic mast
- Glide path end-fire transverse structure: measurement of the horizontal pattern of the end-fire-GP



ILS sampling rate: 100 Hz / Accuracy and repeatability for DDM: +/- 1 uA

Frequency range: 108-112 MHz for localizer / 328.6 – 335.0 MHz for glide path

RF level range in normal mode: -10 dBm to -90 dBm

Interfaces: LAN between the EVS300 or EVSx1000 ILS/VOR Analyzer and the laptop RS232 between the EVS300 ILS/VOR Analyzer and the GPS receiver, compatible with the standard NMEA 0183 GPS protocol

A product developed and tested by field engineers for field engineers.



Contact:
 skyguide
 Tel. +41 43 931 65 77
 sales@skyguide.ch
 www.skyguide.ch

skyguide
 swiss air navigation services ltd.
 flugsicherungsstrasse 1-5
 CH-860z Wangen