

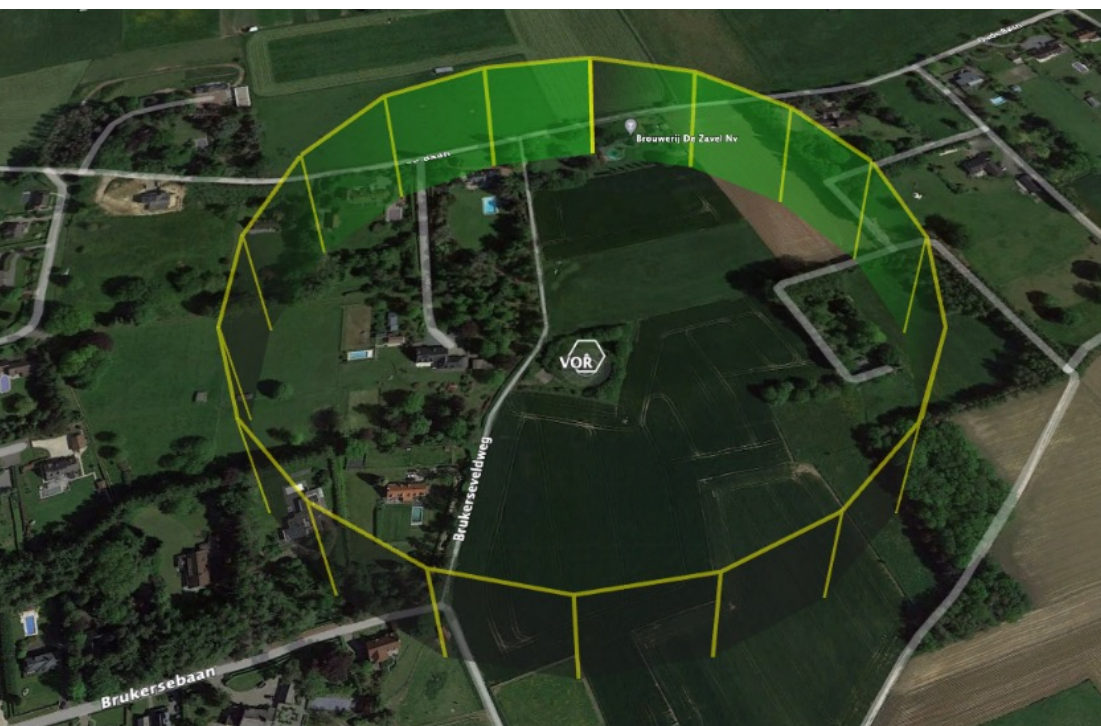
INTERSOFT
SERVICES

CNS Receiver measurement

SkyRF® is the most cost effective service available for accurate performance assessment of VOR/DME and TACAN radio navigation systems.



- ✓ Measure air-to-ground and ground-to-air frequencies in a 15 minutes drone flight
- ✓ Radial, orbital alignment and signal deviation verification
- ✓ Horizontal and vertical polarization measurements in a single drone flight
- ✓ No test flights, no runway downtimes, no CO2 emissions, no noise disturbance
- ✓ Compliant to ICAO 8071, STANAG 3374, FAA 8200.1



Example Flight Pattern fixed azimuth (left) and Radial flight (right) for VOR-TACAN-AFI



□ For a complete VOR-TACAN assessment, the SkyRF® drone flies two trajectories consequently:

- Radial: DME range measurement and calculated error
- Orbits: azimuth/bearing measurement

Collocated VOR-DME systems can be assessed simultaneously with SkyRF®.



- To analyze performance of the VOR, the same trajectories as for DME are used. That allows to measure the azimuth error, FM deviation, RF Level and the 30 Hz and 9960 Hz modulation depths versus azimuth angle and distance. Trajectories are designed, so that also a deep analysis of the cone of silence can be done.
- SkyRF® can service the military TACAN stations to the same extend and accuracy (or better) as the civil NavAids.
- Measurement data can be streamed during the flights (with 4G and WIFI), enabling live monitoring of all parameters such as azimuth error, FM deviation, RF Level and modulation depths.

□ SkyRF® was developed by users, for users.
Intersoft Services partners with the Swiss ANSP Skyguide.

Taking CNS measurements to the next level



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