



Wireless Research Vehicle

The ICOM at the OST has a well-equipped, mobile radio measurement lab in a modern electric vehicle.

At a time when wireless systems and networks are becoming an increasingly important part of business and everyday life, we can offer you valuable customized services.

Be it IoT, short-range radio, mobile communications, radio relay, satellite communications or special radio services: with us, you are able to measure and map your radio systems and networks in the field. Provide your customers with precise coverage maps, check and optimize the performance of your networks and localize defects or faults in the shortest possible time.

In research, development and field testing of innovative wireless systems, we offer a unique opportunity to obtain measurement data and findings.

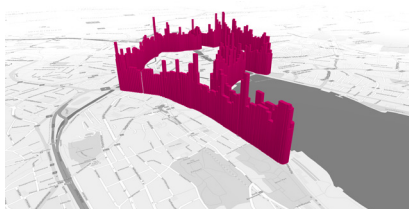
Our mobile radio measurement lab is equipped with the latest technology to ensure smooth and efficient operation:

- Continuous supply of devices with mains voltage up to 1kW power
- Permanent 4G/LTE internet connection
- High-performance computer with 16 CPU cores and GPU acceleration
- GPS position and synchronized Rubidium time base

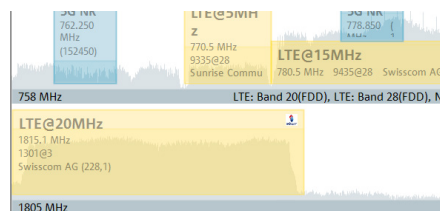
A spacious 19-inch rack is available for installing additional measurement devices as required or customer devices. Antennas and devices to be tested can be mounted outside the vehicle body in a special antenna box on the vehicle roof, protected from the weather.

We look forward to assisting you with your projects with our experience and our mobile laboratory.

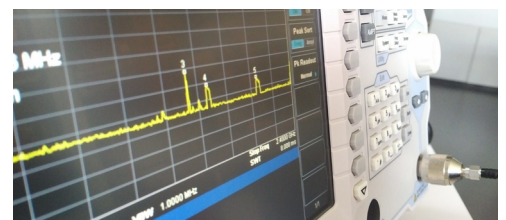
APPLICATIONS



Coverage measurements, performance measurements and mapping (e.g. Fields at Work ExpoM-RF)



Field trials for research and development



Problem analysis, localization and optimization



Exterior view of Wireless Research Vehicle (Opel Ampera-e)



Laboratory workstation in the trunk

Contact

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