

Vehicle frequency monitoring



Preparation of a mobile vehicle for the monitoring of frequencies



Description

The customization in question involves the construction of a mobile vehicle used as a laboratory for monitoring radio frequencies. The set-up consists of the modified guide compartment, a laboratory compartment in the central part of the vehicle, a technical compartment in the rear and an antenna and measuring instruments park on the roof. The vehicle can be powered by an external connection from the electrical network, by a removable generator set transported in the technical compartment and by a back-up battery connected to an inverter.

System composition

Vehicle customization includes:

- Installation of stabilization system and automatic leveling of the vehicle when stationary.
- Laboratory room conditioning system.
- Laboratory and technical compartment lighting system.
- External Z-panels for electrical and data connections.
- Standard 19 "rack for housing electrical panel equipment.
- Electrical distribution panel with automatic network exchange, generator set, UPS.
- Work table with PC workstation.
- Demountable generator with guides and winch.
- Walkable cover frame.
- Antenna lifting systems:
 - Telescopic system.
 - Folding system.
- Porthole for access and roof inspection.
- Darkened side windows.



FREQUENCY MONITORING VEHICLE

SYSTEM CONFIGURATION

PHYSICAL CHARACTERISTICS

Vehicle model:

FIAT mod. MAXI FURGONE 33 LH2 2.3 MJT 16v 150CV 6M.

I / O EXTERNAL CONNECTORS

Data: Optical fiber , RJ 45, Con. **RF:** BNC

SUPPLY

Alternating from mains: 230 Vac single phase

Alternating from generator: 230 Vac single phase Inverter with auxiliary

battery: 230 Vac single phase UPS: 230 Vac single phase

Continuous: 24 Vdc from battery (4 x EI 110)

