MOBDF-G2
MOBILE V/UHF DIRECTION FINDING SYSTEM

MOBDF-G2 station provide measurement and monitoring between 20 MHz and 6000 MHz together with direction finding between 20 MHz and 6000 MHz.

System components are integrated into/onto 4×4 vehicle with disassembly possibility. According to the customer’s needs, the System could be integrated on different platforms. Subsystems of MOBDF-G2 are supplied by battery bank, which are permanently connected to a battery charger.

In order to realize covert operations and measurement/monitoring while the vehicles are on the move, the antennas located on MOBDF-G2 stations are covered by a radome.

Technical Specifications
- Frequency Range: 20-6000 MHz
- DF Accuracy (Clear Site)
  - 30-88 MHz: 5° RMS
  - 88-3000 MHz: 2° RMS
  - 3000-6000 MHz: 3° RMS
- Shock, Vibration: MIL-STD-810G
- EMI/EMC: MIL-STD-461E
- Operating Temperature: 0/+50°C
- Storage Temperature: -40/+70°C

General Features
- State of the art direction finding algorithm
- Digital receiver technology
- Spectrum scanning and signal detection
- AM, FM, LSB, USB, CW, I/Q demodulation
- Signal/modulation parameter measurement and database comparison for communication signals
- Spectrum scanning and detection of signals which are not present in signal database
- Frequency list scan for signal database and signal demodulation parameter measurement
- Detection of licence violation
- Synchronous digital map display on user interface computer and vehicle navigation screen
- System location display and target LOB/location display on digital map
- Location fixing with moving single MOBDF-G2 station (running fix)
- Networking of more than one MOBDF-G2 Station and associated location fixing
- Target tracking on digital map with moving MOBDF-G2 Station (homing)
- TV broadcasts monitoring
- Remote control through 3G and wired internet
- Built In Test (BITE)
- Portable User Interface Computer
- Operating from vehicle alternator and 220 VAC mains electricity
- Battery Group + Battery Charger
- Uninterruptable operation on battery group
- 4X4 system vehicle