

HIGH FREQUENCY DIRECTION FINDING AND MONITORING SYSTEM (HFDF)

ESEN

Titanyum C Blok Kat 2
ODTÜ Teknokent
06800 Ankara, Türkiye

T: +90 312 220 14 88
F: +90 312 220 14 89

www.esensi.com.tr

[@](#) [t](#) [in](#) /esensistem



HIGH FREQUENCY DIRECTION FINDING AND MONITORING SYSTEM (HFDF)

- HFDF is the tactical High Frequency Direction Finding and Monitoring System. It provides Electronic Support Measures (ESM) for communication systems in HF Band.
- HFDF is an ideal solution for the «tactical combat units» in challenging operational environments (typically mountaneous).
- The system can be operated locally or remotely via ethernet interface with full functionality.
- The core equipment of the system is eight channel narrowband or wideband HF tuner subsystem.
- System provides DF and monitoring against targets communicating over both ground-wave and sky-wave.



General Features

- HF Frequency Coverage
- Superb performance against both Ground-Wave and Sky-Wave HF signals
- Several Antenna Array Geometry Alternatives
- Full Digital Receiving Architecture
- Recording and Offline Analysis Software
- Remote Control via Ethernet Interface
- Multichannel DF Receiver
- User Friendly GUIs
- Easy Installation
- Demodulation of analog and digital modulations
- Protocol decoding and analysis tools (full list of modulations and protocols can be provided upon request)

Technical Specifications

- Frequency Coverage : 2-30 MHz
- Receiver Architecture
 - > Wideband
 - > Narrowband
- Coverage:
 - > 360° Azimuth,
 - > 0-85° Elevation
- DF Accuracy : < 2° RMS (installed performance).
- Weight : < 50 kg
- Operating Temperature : -10/+50°C