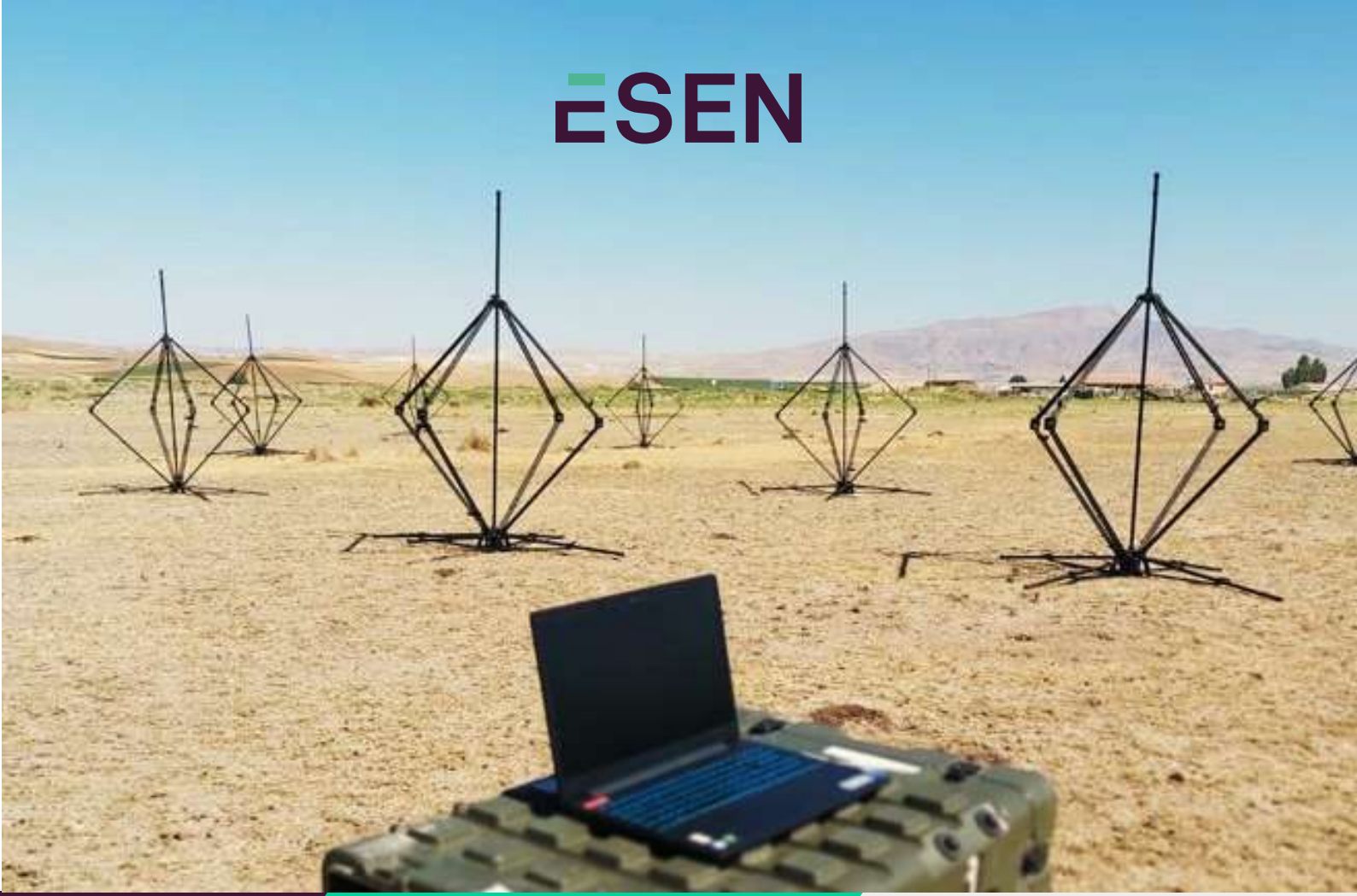


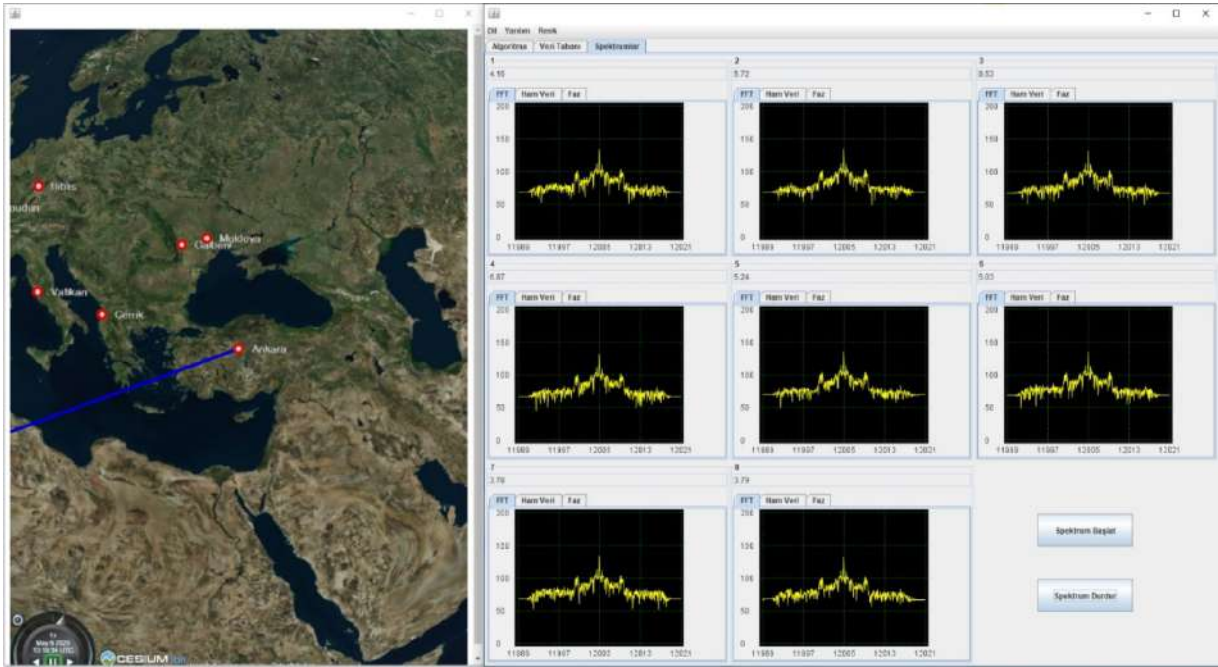


HF DF

HIGH FREQUENCY DIRECTION FINDING AND
MONITORING SYSTEM

High Frequency Direction Finding And Monitoring System

- HF DF is the tactical and strategic High Frequency (HF) Direction Finding (DF) and Monitoring System. It provides Electronic Support Measures (ESM) for communication systems in HF band.
- HF DF in an ideal solution for the “tactical combat units” and “strategic commands” to obtain Electronic Order of Battle (EOB) and situational awareness.
- The system can be operated manned or unmanned, remotely via ethernet interface with full functionality.
- System provides DF and signal monitoring against targets communicating over both ground-wave and sky-wave in HF band.

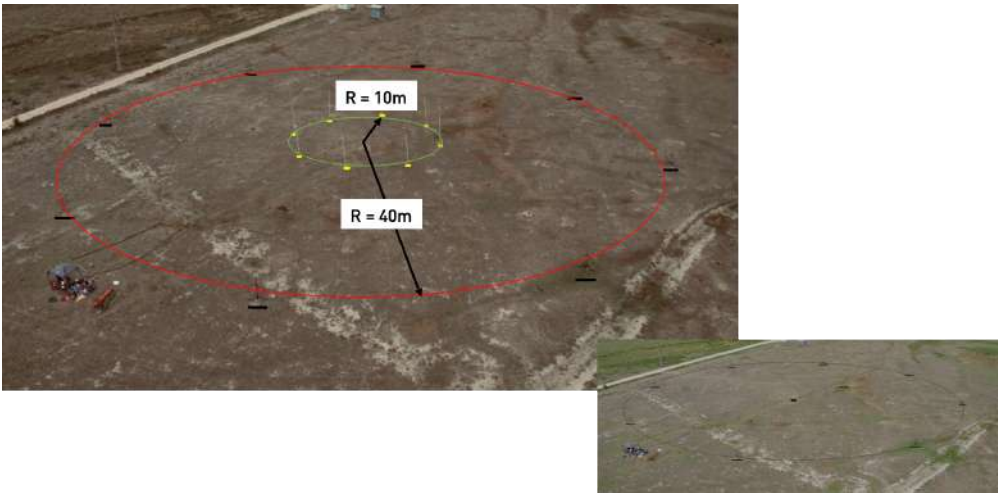


General Features

- Superb performance against both Ground-Wave and Sky-Wave HF signals
- 8 element HF DF array with alternative geometries (circular, L shape, random)
- High resolution DF algorithms
- Simultaneous wideband HF monitoring
- Remote control via Ethernet Interface
- User friendly GUIs
- Easy Installation (tactical, semi-fixed, fixed)
- Demodulation of analog and digital modulations
- Protocol decoding and analysis tools (full list of modulations and protocols can be provided upon request)
- Offline Signal Analysis Software

Technical Specifications

Frequency Coverage	2-30 MHz
Receiver Architecture	Wideband
	Narrowband
Coverage	360° in Azimuth
	0-85° in Elevation
DF Accuracy	<2° RMS (installed performance)
Weight	<100 kg (excluding RF cables)
Operational Temperature	-30°C to +55°C



HF DF

HIGH FREQUENCY DIRECTION FINDING AND
MONITORING SYSTEM

ESEN

Titanyum C Blok Kat:2 ODTÜ Teknokent
06800, Çankaya, Ankara/ Türkiye

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

www.esensi.com.tr

