

Summary of Communication Jammers

- HF/VHF/UHF (tactical applications; mounted in shelters; 1 kW output; enhanced receiving and signal analysis capabilities, the concept of two receivers and signal classifier)
- Strategic HF jammer
- Time division multiplex jamming - TDM (up to 4 frequencies) and wideband - barrage jamming (various jamming signals as wideband noise, fast sweep or linear FM, comb-like spectrum, and electronic music) for VHF/UHF bands
- Multi-purpose TV systems
- Complete power amplifier technology
- List of specific equipment (1 kW automatic antenna tuner for HF mobile operation; HF and VHF signal classifiers; HF and VHF/UHF jamming modulation units; ruggedized PCs with WINDOWS NT 4.0 and C++ programming for control and command purposes; antenna multi-couplers; switching units with signal classification and spectrum monitoring capabilities using DSP algorithms)



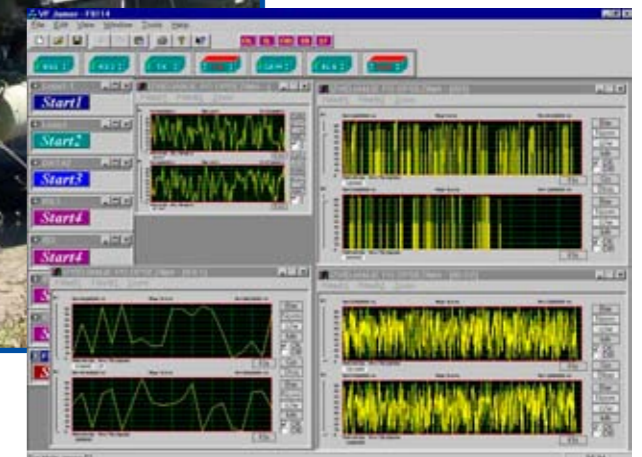
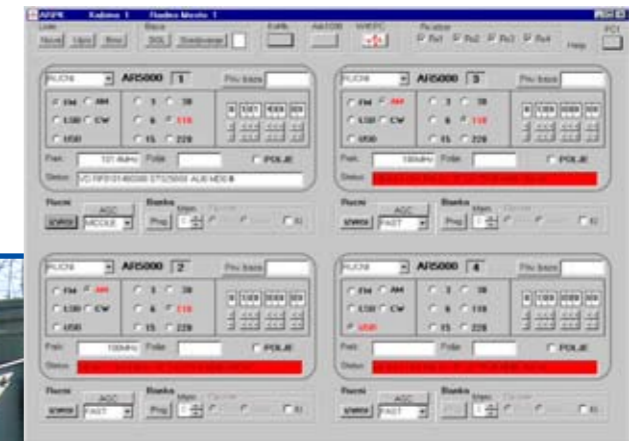
1 kW VHF/UHF Jammer

1 kW HF Jammer



MILITARY RADIO AND EW SYSTEMS

- Military Radio
- Electronic Warfare Systems
- Radars



Electronic Warfare Networks and Systems

- Command and control stations
- Direction finders
- HF/VHF/UHF jammers
- Radio surveillance subsystems
- Communications equipment
- TV surveillance and monitoring /transmission/ retransmission/ jamming systems

Fully Automated Radio Surveillance and Jamming Systems

- HF/VHF/UHF bands
- Computer control (WINDOWS NT, C++)
- Various automatic operating modes
- Output power: 1 kW
- Complete signal analysis (including automatic real-time signal classifiers)
- Mounted in shelters

Fully Automated Radio Systems for Monitoring, Scanning and Signal Analysis

- HF/VHF/UHF bands
- Frequency range: 2 MHz — 2 GHz
- Signal classification and determination of parameters
- 3 D spectrum representation (“waterfall”)
- Spectrum analysis
- Economical solutions
- Antenna switching units (selectors and multi-couplers)
- IF and LF switching units with signal classifier capabilities



Fast 1 kW HF Antenna Tuner



VHF/UHF Antenna Multi-coupler



IF and Audio Signal Switching Unit



VHF/UHF Power Amplifier



HF/VHF/UHF Radio Monitoring and Signal Analysis System

EW Equipment

- HF/VHF/UHF real-time automatic signal classifiers
- Jamming modulation units (HF/VHF/UHF GEMOS)

Military radio

- Software radio design
- Digital signal processing platforms (modules)
- Fast 1 kW HF antenna tuner
- Antenna multi-couplers and signal switching units
- HF adaptive radio systems

Radars

- Modernisation of existing radars
- Software radar receiver



HF Radio Signal Classifier and HF GEMOS