The Small Tactical Terminal (STT) KOR-24, co-developed by ViaSat and Harris, is a two-channel radio designed to meet the needs of users who have Size, Weight, and Power (SWaP) constraints but need the information available on Link 16 networks and/or tactical VHF/UHF. The STT brings mobile network connectivity to tactical warfighters and disadvantaged platforms such as ground vehicles, helicopters, UAVs, small boats, and Network Enabled Weapons (NEW). The STT is ruggedized to meet or exceed the demanding environmental requirements of those disadvantaged platforms. This two-channel Link 16 and VHF/UHF radio is packaged in an industry-standard compact form factor and is available at an affordable cost.

The STT brings real-time situational awareness, location, and command and control to the warfighter at the tactical network edge. In a single radio terminal, the edge user has access to both air and ground (friendly and enemy) situation data and can provide target data to the network in a secure and reliable manner.

The STT can be used to bridge the gap in users’ awareness between the air picture provided by TADIL J/Link 16, and the ground picture provided by VMF and other VHF/UHF data link formats. This two-channel radio dramatically reduces data latency and improves data integrity between the traditional network platform users and the edge users for both situational awareness and command and control. Link 16 built-in identification means that STT terminals provide blue force reporting to reduce blue-on-blue engagements. With standardized TADIL messages and Ethernet interfaces, the STT can be used with multiple computers in a wide range of applications.

**NETWORK CONNECTIVITY AT THE TACTICAL EDGE**
- Dual channel radio
- Link 16 and VHF/UHF waveforms
- Voice and data capable
- Low size, weight, and power
- Lower acquisition costs
- Multi-mission, Multi-user, Multi-waveform
- New JTRS waveforms as they become available
- Meets current and future requirements

**STT AT-A-GLANCE**

**SITUATIONAL AWARENESS**
- Blue Force Tracking
- Air and Surface Picture
- Interfaces with:
  - ViaSat Link 16 Toolset
  - FalconView™ with Cursor on Target
  - FliteScene™
  - Air Defense Systems Integrator (ADSI™)
  - Joint Range Extension (JRE)

**COMMAND AND CONTROL**
- J12 Mission Management to any non-C2
- Status/Weapons Load/Play Times
- WILCO/CANTCO

**TARGET ATTACK**
- Shortens Kill Chain—F2T2EA (Find, Fix, Track, Target, Engage, Assess)
- JTAC Target POSID/9-line/BDA
- Target Update
- Video, Imagery, and Data
- Mobile Target Attack

**NSA CERTIFIED**
## SPECIFICATIONS & TECHNICAL FEATURES

### Frequency Range
- 30 to 512 MHz VHF/UHF; 960 to 1215 MHz Link 16

### Transmission Modes
- Simplex or half-duplex 16 kbps data, PT or CT Link 16 TDMA, All OP modes and Enhanced Throughput

### Antenna Ports
- VHF/UHF (2): 50 Ω; Link 16 (2): 50 Ω

### DC Power Input
- 28 VDC per MIL-STD-704F; 1.5A Rx, <10A Tx

### Environmental
- **Operating Temperature**: -30° C to +52° C with forced convection cooling; -30° C to +71° C with host platform ECS cooling
- **Storage Temperature**: -54° C to +71° C
- **Relative Humidity**: ≤90% non-condensing / MIL-STD–810F
- **Altitude**: 50,000 ft
- **Shock**: 52 G 30 msec all axes / MIL-STD–810F
- **Vibration**: Jet MIL-STD-810 Method 514.5 Category 24, Helo MIL-STD-810 Method 514.5 Category 14

### Crypto Modes
- KY-57, ANDVT/KYV-5, KG-84C, KGR-96, KGV-8, KGV-11, CDH

### RECEIVER
- **Adjacent Channel Rejection**: 55 dB
- **IF & Image Rejection**: >65 dB

### TRANSMITTER
- **Power Output**: 250 mW to 5 W (VHF/UHF); 50 W (Link 16) with 34% TSDF

### WAVEFORMS
- **VHF/UHF**: ASK/FSK MIL-STD-188-220B/C/D, HaveQuick II, SINCGARS, Voice and Data
- **L-Band**: Link 16 Data and Voice including Enhanced Throughput (ET)modes

### OPTIONAL FEATURES
- » External V/UHF PA
- » Mounting tray with fan

### GROWTH CAPABILITIES
- » High rate VHF/UHF network waveforms
- » SRW, ANW2, DAMA, IW
- » Link 16 precision navigation

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### ARCHITECTURAL OVERVIEW

[Diagram of the terminal's internal components and connections]

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### CONTACT

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