

Wideband V/UHF COMINT System VWM-674

- COTS-Based System, Using Standard PCs for All Processing Functions
- Automatic Detection, and Direction Finding of Modern VHF/UHF Signals
- Prosecutes Long Duration Signals (LDS), Short Duration Signals (SDS), and Frequency Hopped Signals
- Configurable Scanning or Staring Operation
- Ultra-Fast 3-Channel Scanning of 30 MHz Instantaneous Bandwidth
- Scalable Design for Size, Power, and Functional Capabilities



The VWM-674 is a complete wideband detection and DF system, designed to prosecute a wide variety of modern V/UHF signals, including LPI signals such as frequency hoppers, SDS and burst. The system is designed for operation on a variety of mobile platforms including shipboard, ground mobile (vehicle), and airborne. The system design is modular, so the customer can scale the system in size, power, and functionality to meet unique operational and platform needs. The system supports a wide variety of operational modes including manual and automatic operations. For automatic processing, the operator defines the system's frequency coverage, signals of interest, and then the system runs unattended. The scanning, parallel channel DF functionality provides the user with a survey of signal bearings over the full V/UHF frequency range, which is updated with each scan. When configured to operate in a staring mode, the probability of intercept for SDS and frequency hopped signals increases.



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PERFORMANCE DATA

VWM-674

SYSTEM SPECIFICATIONS

● Overall Frequency Range	20 – 3000 MHz
● DF Antenna	Provided by customer or SwRI
● Wideband Instantaneous Bandwidth	30 MHz
● Spectral Scanning Rate (Display and Detection)	3 GHz/sec
● Wideband Spectrum Display	20 – 3000 MHz
● Detection Bandwidth	1.5 kHz (variable)
● Hop Rates	Configurable
● DF Accuracy	2° RMS typical for clean site
● Snap Bearing Rate	up to 1 per 150 micro sec (variable)
● Signal Data and Mission Report Storage	3 days (expandable)
● Minimum Signal Duration	500 micro sec
● Communications	Command, control and reporting via Ethernet

For information only. Specifications subject to change.

for more information contact:

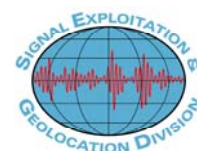
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