

TDA-1200

VHF/UHF Direction Finding Antenna Array

SPECTRUM
CONTROL

TDA-1200

VHF/UHF

Direction Finding Antenna Array

OVERVIEW

The TDA-1200 Direction Finding Antenna Array is the most advanced DF antenna array for the VHF/UHF frequency bands.

The TDA-1200 is especially designed for fixed and mobile shelter installations for spectrum monitoring and communication intelligence (COMINT) applications.

The advanced design of the antenna, including wide aperture, special geometry and built-in switching and amplification circuits, enables the DF system to achieve very high accuracy and excellent sensitivity.

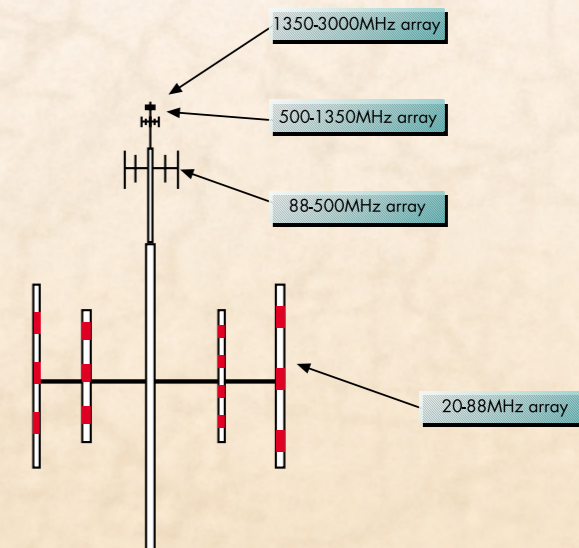
The TDA-1200 is the DF antenna for the TDF-2020 and TDF-1200 Direction Finding Systems, enabling them to achieve the high-end performance required for civilian spectrum monitoring.

The TDA-1200 comprises four sections, each including a complete DF antenna array for a specific sub-band, with necessary switching and amplification circuits.

The TDA -1200 may be easily customised. For example, almost any combination of sections may be assembled to formulate an array that covers only the required frequency range.

FEATURES

- Wide aperture DF antenna array
- Frequency range of 20 to 3000 MHz
- Excellent sensitivity
- High dynamic range
- Suitable for TDF-2020 and TDF-1200 DF Systems
- Modular (combination of sections may be selected to cover required frequency range)
- Built-in lightning arrest
- Built-In-Test (BIT) capability



SPECIFICATIONS

| | |
|--------------------------------------------------|------------------|
| Frequency range: | |
| • Section I: | 20-88MHz |
| • Section II: | 88-500 MHz |
| • Section III: | 500-1350 MHz |
| • Section IV: | 1350-3000 MHz |
| Antenna element azimuth pattern (stand alone): | Omni-directional |
| Nominal antenna element impedance: | 50Ω |
| Polarization: | Vertical |
| Dimensions (standard configuration): | |
| • Diameter (largest dimension at lower section): | 3.5 m max |
| • Central mast height: | 4.2 m max |
| Weight: | 50Kg |

Specifications subject to change without notice.
Patent Pending

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