



## Key Features



Lornet 0836 combines the advantages of:

- the low-frequency range (800 MHz) — the work in absorbing medium with high humidity
- high frequency range (3600 MHz) — spatial selection of semiconductor elements location



Compact device, the weight is 1kg



Reliable detection of the SIM-card at a distance of 80 centimeters



## Application



### ON OPEN TERRAIN

The narrow beam of the antenna pattern at 22 degrees and the availability of laser illumination provide comfortable search works on the site

# Application Features

## ANTIJAMMING

Lornet is equipped with an automatic system of protection against centered jamming by criterion of a minimum noise in the receiver path of the 2nd harmonic

## ANALYSIS OF THE NATURE OF SEMICONDUCTOR

For efficient identification of artificial and natural semiconductors a listening through a built in speakerphone or headphones can be used after AM decoding of the signal in continuous mode

## ENVIRONMENT

Electromagnetic radiation towards the operator is many times less than one setted by the Regulator

# Control

## CONSOLE

User friendly interface and unified push-button control. It does not require pre-setting before the start

## INDICATION

Vivid and explicit indication of power levels of the signal and the received harmonic-waves

## POWER CONTROL

Availability of the automatic and manual control modes for the levels of the 2nd or 3rd harmonic of probing signal power increases the convenience of search works

# Equipment

## HEADPHONES

The Use of wireless headphones makes the work with the device more comfortable

# Supply Package

- R-T unit with a control knob
- 2 removable (LI-ION) rechargeable batteries (3.6V)
- Batteries charging container
- Batteries Charging adaptor (220V)
- Wireless headset and receiver
- AC adapter for the receiving device (220V)
- Transportation bag
- Documentation (user manual, certificate)



# Technical Characteristics

The frequency of the probing signal in the range	800MHz +/- and 3600MHz +/-
The maximum power of the probing signal (max. // average):	
Pulse mode	18W//64mW
Pulse mode with CW	6W//375mW
Receiver sensitivity, not worse than	-110mdb (-140dbW)
The adjustment range of the probing signal power	20db
The dynamic range of the receive path	24db
Battery life at maximum power in a pulsed (continuous) mode	2,5 h (1,5 h)
The item dimensions in active status	31x31x28 cm
The full weight of the item in active status	1 kg
The bag dimensions	4,5 kg
The operating temperature range	от +5 до +40° C

# LORNET<sup>»</sup>

## EXPORT

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RT Export is the official exporter of the Lornet Series Non linear junction detector