



NLJD

NON-LINEAR JUNCTION DETECTOR



Detection of active and passive RF transmitters and receivers

Detection of electronic triggers used in improvised explosive devices (IEDs)

Detection of concealed listening devices

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SYSTEM FEATURES

High-sensitivity and high-accuracy detection of semiconductors and metal-to-metal components

Ergonomic, portable, and user-friendly interface

High RF output power and high receiver sensitivity

Target detection independent of target polarization

Detection alerts via visual, audible, and vibration feedback

Capability for use in both rural and urban environments

Compatibility with jamming systems

APPLICATIONS

Detection of active and passive RF transmitters and receivers

Detection of electronic triggers used in improvised explosive devices (IEDs)

Detection of concealed listening devices

TECHNICAL SPECIFICATIONS

RF Transmitter	Operating Frequency Range: 850–900 MHz Output Power: 45 dBm
RF Receiver	Operating Frequency Range: <ul style="list-style-type: none">• 1700–1800 MHz (2nd Harmonic)• 2550–2700 MHz (3rd Harmonic)
Receiver Sensitivity	-145 dBm
RF Antenna	Circularly Polarized, 7 dBi Gain
Front-End / Interface	<ul style="list-style-type: none">• LED• Buzzer and Headphone• Vibration Motor
Power and Mechanical	Battery: Li-Ion (Operating time > 2 hours), Spare Battery Weight: <ul style="list-style-type: none">• Total Weight: ≤ 6.0 kg• Antenna Head: ≤ 1.2 kg

