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INTELLIGENCE TECHNOLOGIES

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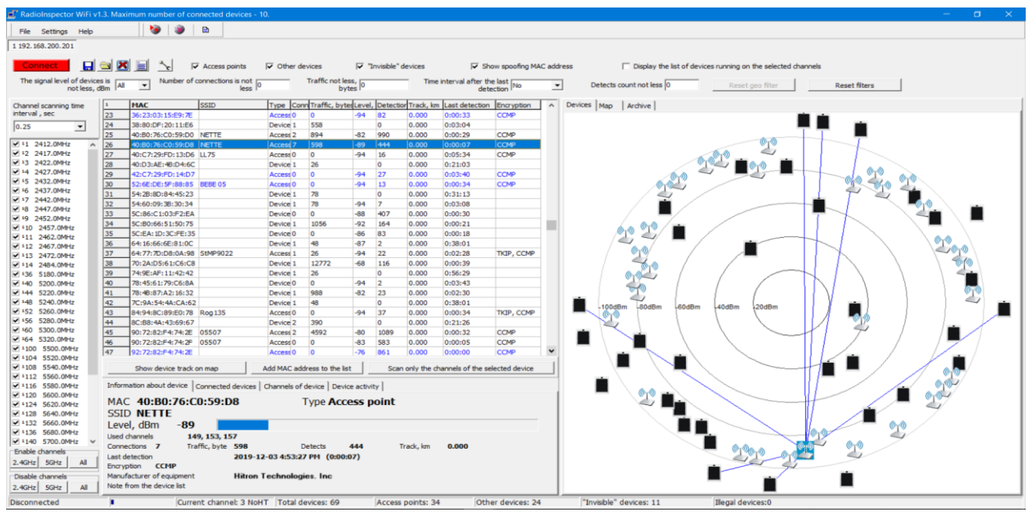
YRI W – Wi-Fi ANALYZER

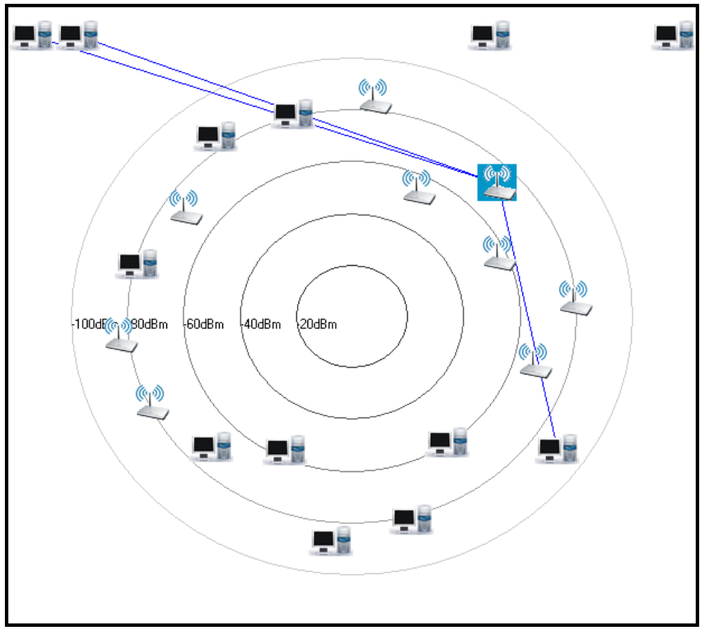
YRi-W, is a unique Wi-Fi and Bluetooth Inspector, that combine software and Hardware, that focused on TSCM -specific tasks including detection of all Wi-Fi devices such as access points and clients along with clients that are beaconing and not connected to a network, which are often ignored.

The goal of the YRi-W is to show all the active devices, to display activity time charts and the volume of transmitted and received traffic. More importantly,
YRI-W Inspector identifies new Wi-Fi devices (potentially clandestine such as the store and forward Wi-Fi enabled covert listening devices) that are not ‘listed’ in the authorized devices database.



Wi-Fi Analyzer Features:

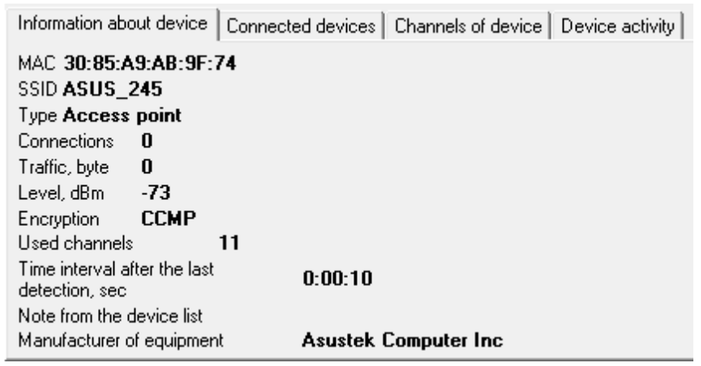
- Detection of operating access points in Wi-Fi networks.
- BLE beacon viewer include packet scanner and configure graph display charts .
- Detection of additional devices (other than access points: PCs, laptops, smartphones etc.) operating in Wi-Fi networks.
- Detection of links (data transmission) between devices in Wi-Fi networks and data traffic calculation.
- Displaying information for detected devices in Wi-Fi networks and devices connected to them in text format.
- Displaying detected devices and connection links between them in graphic format.
- Various filters can be applied for displaying devices with required parameters.
- “Authorized” devices list.
- Operation on archive: displaying device activity; displaying device operation for a selected time interval.
- recording and monitoring using built in Open Street Maps.
- Use of single or multiple independent “free running” receiver modules over a wide area.
- The software can run without connection to a receiver module when analyzing archived data.



WiFi Anaysis:

Usually, Wi-Fi network analysis software retains all data transmitted by Wi- Fi devices, enabling subsequent content analysis.

YRi – W, Wi-Fi software analyzes and retains the Wi-Fi packet headers only because header information is what fulfils the analysis portion of the Cyber TSCM threat detection cycle of ‘Detect-Analyze-Respond’.

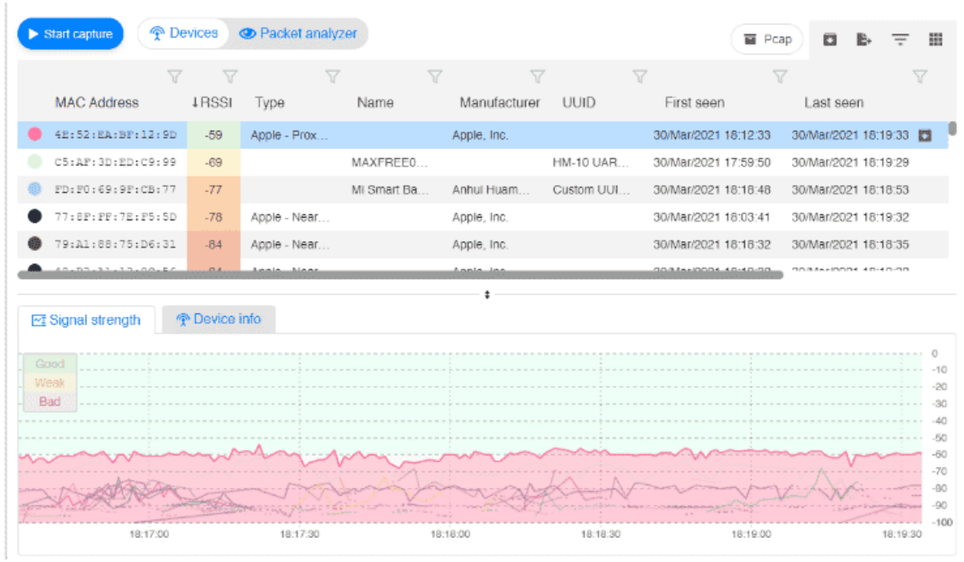


System Availability:

Most Wi-Fi network analysis tools operate for a limited time due to the large volume of accumulated data. Wi-Fi Inspector is designed to operate continuously performing detection and analysis of WiFi signals in a controlled location or on a mobile route because it stores only the essential relevant packets required for the Detect-Analyze-Respond cycle for Cyber TSCM analysis. computer type or Windows Operating System version. The system can be located in a controlled location or can be carried around for mobile applications.

Data analysis:

YRi – W displays all detected Wi-Fi devices and accumulates statistics about them such as which Wi-Fi device is associated with other devices, signal level, data traffic and channel etc. It displays special graphs and associated information to allow the TSCM operator to perform a risk analysis of Wi-Fi devices (The list of authorized Wi-Fi devices for each controlled location is incorporated).



Scalability and remote control:

YRi – W Inspector analysis modules are deployable as a distributed system that is able to cover any area which requires continuous 24/7 Wi-Fi device monitoring and analysis, even if those devices are not connected the local area network. The Wi-Fi Inspector analysis module can be connected to the existing local area network by assigning it an available IP address. The operator can control the Wi-Fi Inspector analysis module from any TCP/IP connected remote location.

FIND WHAT YOU CAN NOT SEE

10 Aholiav st. Ramat-Gan, Israel +972-3-5753395 +972-3-5753394 Sales@intellsig.com
www.intellsig.com