

Wi-Fi GUARDIAN

Advanced Wi-Fi Spectrum Security System

Wi-Fi Guardian is portable security solution, designed for audit and intrusion detection in Wi-Fi networks. System consists of hardware unit equipped with sensitive Wi-Fi boards and operator laptop with control software.



KEY HARDWARE FEATURES

- Secure TCP/IP based remote control allows installation of radio receiver far from operator
- External detachable omnipol and/or directional antennas
- Multiple Wi-Fi boards for fast parallel scanning
- Support for individual control of boards
- Detachable USB storage for sensitive information
- External LED indication of operational mode
- IEEE 802.11ac compliant & backward compatible with 802.11a/b/g/n
- 3x3 MIMO Technology
- Current location can be read from GPS sensor connected to laptop

NAME	BSSID	POWER	Beacons	Data	Pkt/Sec	UPDATE	CH.	Max	Encryption	Cipher	Auth.	CH	Clients
TEST_AP_1	84:BE:52:22:33:22	-91	4	24		00:00:00	13	130	WPA2	CCMP	PSK	CH	2
Client_1	00:11:22:33:44:55	-60	0 - 1	12	4	00:00:00			Probe				
Client_2	00:11:22:33:44:66	-34	0 - 1	2	48	00:00:00			Probe				
TEST_AP_2	10:62:EB:22:33:55	-87	8	56		00:00:00	14	54	WEP	WEP	PSK	CH	1
Client_3	00:11:22:33:44:44	-53	0 - 1	1	34	00:00:00			Probe				
TEST_AP_3	58:C1:7A:22:33:66	-63	2	73		00:00:00	1	65	OPN			CH	0

KEY SOFTWARE FEATURES

- Separate configurations saved for different areas of operation
- Live display of active Wi-Fi equipment in range, including Access Points, connected Clients and not connected Clients
- All detailed information about device operation which is possible to get without decryption
- Power levels monitoring
- Possibility to scan all available channels or focus on specific channel
- Possibility to work in 2.4 GHz, 5 GHz bands or both
- Highly flexible Wi-Fi devices classification system, which allows to:
 - Classify detected device as TARGET, FRIEND or UNDEFINED
 - Time and day of week based rules
 - Global or Access Point scope rules
 - Configurable Default policy
 - Possibility to configure individual sound alarm for specific rules
- Response system with separate configurable actions for FRIENDS, TARGETS and UNDEFINED
- Configurable sound alarm
- Event logging and filtering
- Report system capable of:
 - Display events from custom time span
 - Rebuild of "Live display" as it was displayed for selected time in the past
 - Power track graph for selected period of time, indicating target movements