

KWT-178AG

Wireless Tester

Wireless Tester, KWT-178AG, is a PDA tester in scanning, analyzing and optimizing 2.4 / 5 GHz Wireless Local Area Networks.

The KWT-178AG measures 4.9-5.9 GHz / 2.4-2.5GHz which operate on the IEEE 802.11a/b/g/n standard allowing the user to determine the AP's MAC address、SSID、Data Encryption and RSSI signal levels for locating and optimizing access points of WLANs.

KWT-178AG 802.11a/b/g/n system uses custom receiver software and the exclusive industry PDA hardware platform to provide the user reliable and precise test data. KWT-178AG is the best auxiliary tool when building a wireless network.



[Function]

2.4 / 5GHz Wireless Network

Channel Survey

BSS Survey

Roaming Test

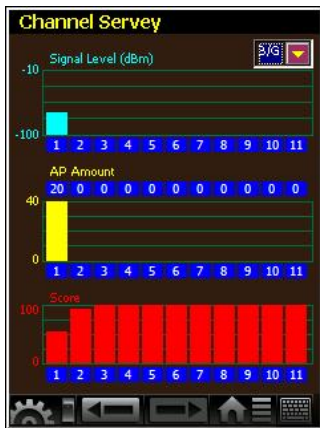
Connection Test (Pack Send and Receive, Signal Strength)

Rogue AP / Rogue Client Detecting

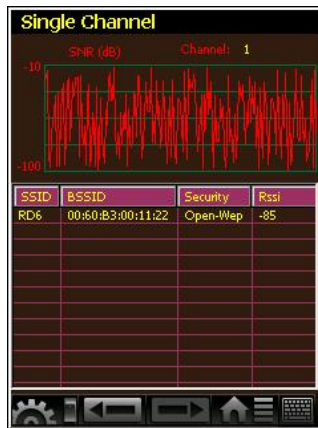
AP Power Check

AP Detector

Test Report



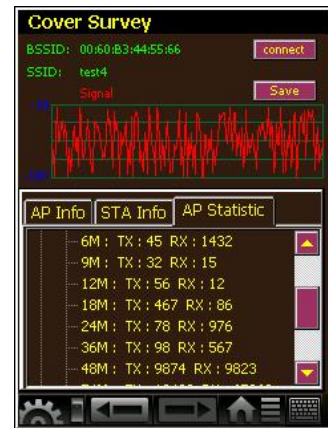
Environment Survey



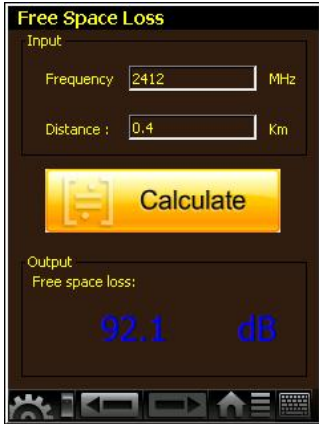
Selected Channel Monitor



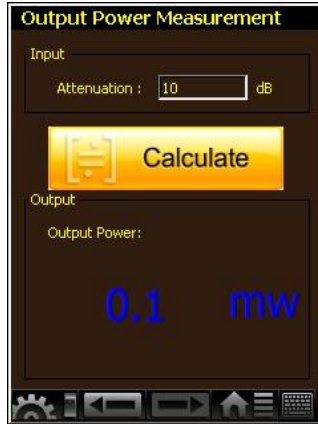
AP Survey



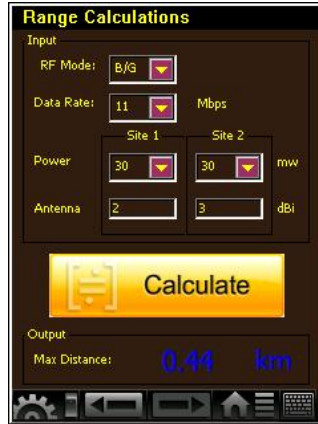
Selected AP Monitor



Free Space Loss Calculation



Radio Output Power Test



Max. Distance Calculation



dBm / mW Convert

[Hardware Spec]

Intel PXA270 520MHz 32 bits RISC Processor

128 MB SDRAM and 128 MB Flash ROM

One USB port built in

240 x 320, 3.5" Color TFT Display

1 Numeric Keyboard with LED backlight

Wolfson WM9705 AC' 97 codec with Touch screen controller

3000mAH, 7.4V Li-Ion battery pack

One rechargeable backup battery

Dimension 192.5mm (L) x 91.3mm / 78mm (W) x 42.2mm / 60.6mm (H)

Weight : 560g with Standard Battery Pack

OS. WinCE. NET5.0 Professional

Environmental

Operation: -10~50°C

Storage: -20~79°C

Humidity: Operation- 10%~80%

IP54Certificated, IP64 compliant

1.2m (4ft) drop to concrete certificated

1.5m (5ft) drop to concrete, System no broken.



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Summary

CPU	PXA270
Radio	A/B/G/N, 5 dBi Dual Band Detachable Antenna x2
Connector	RP-SMA Jack
Portable	Yes
Sensitivity	Up to -100 dbm
Instant Power On	Yes
Operation	Easy
Equipment Design	Industrial PDA
Continuous Operation	4 Hrs
Defense	IP64 Water-Proof / Dust-Proof Passable with dropping to Concrete Ground from 1.5Meters
Package	Dual-Purpose Holster Usage for Shoulder and Waist
Data Output	USB / USB host Cable
Pigtail	RP-SMA Plug / SMA Plug RP-SMA Plug / SMA Jack
Signal Strength Test	Yes, All Channels
Usage of Channel (Quantity of BaseStation in each Channel)	Yes
Score of Channels	Yes
Scanning BaseStation	A/B/G/N in the same time
Information of BaseStation	SSID/BSSID/RSSI, Sorting, Channel Selection
BaseStation Tracing	Yes
Information of Specified BaseStation	Yes
Roaming-Test Report	Yes
Security's Detecting	Yes
Clients' Status of Specified BaseStation	Yes
Status of BaseStation	Data Rate (54/48/./6/11/./1 Mbps Frame (Ctl/Mgt/Data/Error/retry)
Rogue AP Detecting	Yes
Rogue Client Detecting	Yes
Linking Test	Offer the ratio of transition and Revelation of Signal's Strength
Auxiliary Tools	Free Space Loss Power Meter Distance Calculation Conversion (mW/dBm) AP Detector

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