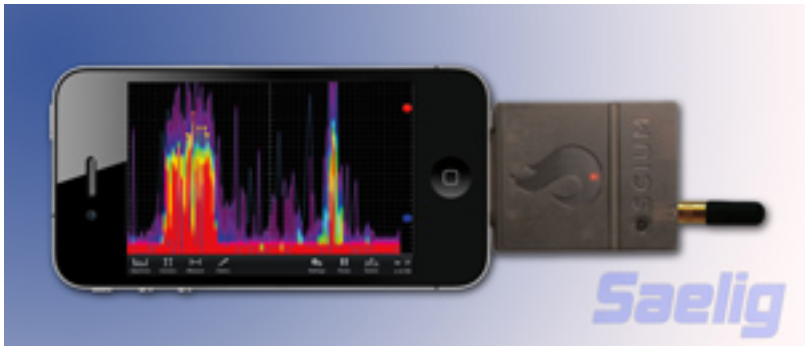
WiFi Spectrum Analyzer and Power Meter Accessory is iPhone-based



Saelig Company, Inc. has introduced WiPry-Combo â€“ said to be the world's first dynamic power meter and spectrum analyzer accessory for the iPad, iPod Touch, and iPhone. Made by Oscium, WiPry-Combo turns an iOS device into an ultraportable spectrum analyzer and dynamic power meter. It brings RF power measurements to a graphical interface to show RF waveforms like an oscilloscope â€“ instead of showing voltage, RF amplitude is displayed on an iOS portable device. Actual power output can be triggered, captured, and recorded for protocol verification or for troubleshooting wireless devices. Data is collected at up to 12 MSa/s, allowing analysis and verification of the smallest protocol level on/off times. The device offers data logging in csv format, while screenshot results can be instantly emailed via the iOS host phone.

In its Spectrum Analyzer mode, WiPry-Combo offers a practical solution for identifying interference or open channels in the 2.4 GHz ISM band, or for identifying unauthorized WiFi access points. Operating in the frequency range: 2.400 GHz to 2.495 GHz, it measures signals from -40d Bm to +20 dBm with an amplitude resolution of 2.0 dBm and a bandwidth resolution of 1 MHz. The band sweep time is 200ms.

In its Dynamic Power Meter mode, the device becomes a 100 MHz-2.7 GHz RF power meter accessory which graphically displays RF power levels. The graphical interface instantly shows waveform amplitude with respect to time. WiPry-Combo triggers, captures, and records actual power output levels with an intuitive and easy-to-use touchscreen interface with a timescale adjustable betweeen 2Âµs/div to 1s/div. Signal amplitude display is from -45 dBm to +20 dBm with a resolution of 2.0 dBm. Display configurations can be saved for on-the-go measurements, and iOS's two finger "stretch" allows zooming in and out of scaling without the need for buttons or knobs.

Software for running WiPry-Combo - including a demo package that does not require the actual WiPry device - is available free at Appleâ„¢'s AppStore, and is available in English, French, German, Italian, and Spanish. pSoc-based WiPry-Combo is compatible with all generations of iPod touch, iPhone, and iPad devices running

iOS version 3.1.3 or higher. Setups can be customized and accessed quickly - ideal for on-the-go technicians. With these advanced features and Apple's intuitive multi-touch user interface and brilliant, high-resolution displays, WiPry delivers the easiest-to-use, most intuitive WiFi spectrum analyzer solution available. WiPry-Combo's external antenna is attached via an SMB connector, allowing alternate antenna or direct input options.

Saelig Company, Inc.
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Links:
[1] http://www.saelig.com