SKYLIGHT

EPIQ SOLUTIONS

Multi-Technology Cellular Scanner

GSM • CDMA2K • UMTS • LTE

Skylight Multi-Technology Cellular Scanner is the first commercially available pocket sized cellular survey tool available for Epiq Solutions software defined radios that enables comprehensive and flexible network analysis.

KML formatted results displayed in Google Earth

KEY FEATURES

» Multi-technology downlink channel scanner and decoder

» Flexible software based application

» Runs on Epiq Solutions' Matchstiq™ and Sidekiq™ software defined radios

» Includes Android app for general user operation

» SDK available for custom integration and deployment

» High performance decoding for real-time analysis

» Able to operate within all bands, based on tuning range of the radio platform used

» Single channel monitoring for deep dive analysis

» Able to run autonomously for UAV applications

» Software only and FPGA-accelerated versions available

SPECTRUM MANAGEMENT
Survey and analyze environment to determine spectrum usage in ways simple RF analysis methods fall short.

QUALITY OF SERVICE ANALYSIS
Lock on and monitor single channels and neighbors to analyze network coverage and other QoS metrics.

MOBILE ENGINEERING TEST
Enable a wide range of mobile engineering and test setups without excess or difficult to use equipment.

INDEPENDENT VERIFICATION
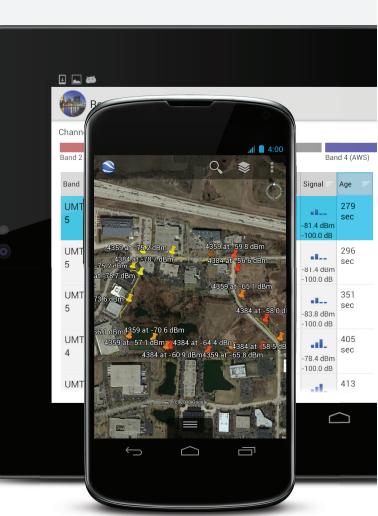Easily verify network configuration independently from network operator.

LOG AND EXPORT
Log and export survey information for post-processing and record keeping.

BASE STATION LOCATION
Locate base stations by aggregating survey information from one or multiple sources.

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As survey is performed on the Epiq Solutions SDR, results can be sent over Wi-Fi or USB to Android or other supported devices.

Epiq Solutions software defined radios define state-of-the-art in small form factor and low power consumption, providing an ideal platform for mobile survey applications.

Sample Channel Details

SAMPLE PARAMETERS

GSM
Band, Channel, RSSI, Cell ID, PLMN, LAC, Neighbor Cells

UMTS
Band, Channel, RSSI, Cell ID, PLMN, LAC, Ec/N0, Primary Scrambling Code (PSC), Neighbor Cells

CDMA2K
SID, NID, Pilot PN Offset, Reg Period, Reg Zone ID, Base ID, MCC, Neighbor Cells

FD-LTE
Band, Channel, RSSI, RSRP, RSRQ, Cell ID, Transmit Antenna Count, System Frame Number, HARQ Information, Neighbor Cells

TD-LTE
Band, Channel, RSSI, RSRP, RSRQ, Cell ID, Transmit Antenna Count, System Frame Number, HARQ Information, Neighbor Cells

SDK
An SDK is available for advanced users with specific needs or the desire to integrate survey into their own applications.

CUSTOM DEVELOPMENT AND ENGINEERING
Have a special need that we haven't addressed or would like early access to our full set of survey capabilities? We can help. We offer a wide range of custom development and engineering services to help address unique project and time requirements. Contact us so we can help you find a solution.

For availability and pricing, please contact **sales@epiqsolutions.com**

**Epiq Solutions exports its products strictly in accordance with all
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