

 Product sheet

XCAL-Mobile / Smartphone





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Optimisation at your fingertips

Capturing RAN performance has never been easier. XCAL-Mobile is a leading handheld air interface monitoring tool that enables QoS and QoE testing across all GSM/WCDMA/EVDO/WiFi technologies. It supports extensive application testing and delivers realtime network measurement and visualisation capability in simple mobile phones. All features can be controlled using the normal handset keys, which means anybody can use it.

XCAL-Mobile also supports all major smartphones and can be extended to include Apple's iPhone and Android devices. It supports the measurement of network data throughput performance and voice quality (PESQ and POLQA).

All key applications supported on Smartphone



Use XCAL-Mobile to

- Record radio interface data to optimise RAN performance (network rollout, tuning, verification and maintenance)
- Calibrate the performance of network services (Voice, FTP, HTTP, Multi-RAB etc)
- Perform QoS and QoE analyses
- Export performance data to either XCAP (ACCVER's own post-processing tool for deeper 'root cause' analysis) or other 3rd party tools
- Perform automated tests that are user-configurable
- Reduce OPEX by minimising expenditure on test tools
- Support indoor and outdoor use
- Work with mobile types: Symbian (Nokia N95, N96, N97, 6121, 6720, C5, C7), iPhone (3GS, 4G) and Android

Benefits

- Technology independent (GSM, GPRS, EDGE, WCDMA, HSDPA, HSUPA, LTE etc)
- Cheap, powerful and intuitive to use, with a high return on investment
- Vendor independent
- Extensive realtime data capture, visualisation and analysis

Supports the following operating systems



Supports	
iOS	iPhone series
Android	Samsung Galaxy S, Samsung Galaxy S II, HTC Desire, HTC Sensation, Others
Symbian	Nokia C7, others

Specification

Technology	Call Test
GSM/GPRS/EDGE/UMTS HSDPA/HSUPA	FTP, HTTP, Voice Call, Multi-RAB Android only: Ping, Email, SMS, WiFi Connect
Devices Apple iPhone iOS3.2 or above	Measurement Parameters & Call Options (iPhone): 2G & 3G: Cell Id, MNC, MCC, PSC, Rx Level, Ec/Io WiFi: SSID, BSSID, CH Number, RSSI
Android 1.5 or above	RSSI, Ec/No, PSC, RSCP, ARFCN, MCC, MNC CID, LAC FTP download/upload, Web Browsing
GPS Uses Smartphone built-in GPS indoor test	Parameters & Call Options (Android): RSSI, MCC, MNC, CID, LAC / Voice, FTP download/upload, Web Browsing, Ping, SMS, MMS, App Play, WiFi Connect, Gmail, Multi-RAB
	Parameters & Call Options (GalaxyS FD version): WCDMA - RxPower, TxPower, TxAdjust, Ec/Io, RSCP, BLER, UL Interface HSDPA - CQI, Requested Physical Layer Throughput, Physical Layer (served) Throughput, Physical Layer (scheduled) Throughput, Throughput measured in MAC-hs Layer, No of Codes HSUPA - RG, AG Index, SG Index, E-TFCI, UE Pwr Headroom, SF Codes, Non Serving Cell ACK, Happy Bit



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