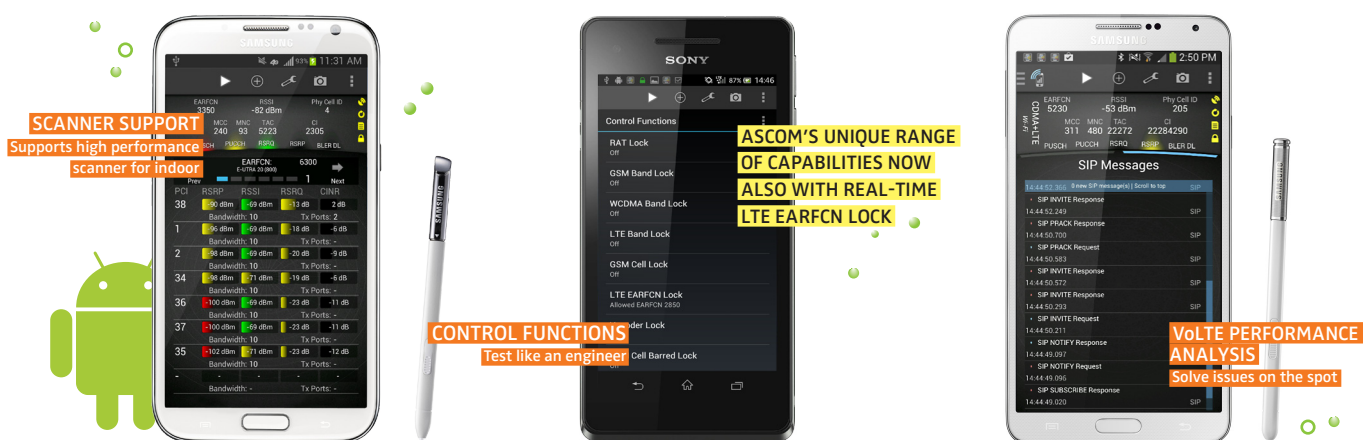


TEMS POCKET 14.1

Product: Handheld Test Device

Devices: Sony Xperia V LT25i LTE, Sony Xperia T LT30a LTE
Samsung Galaxy S4 LTE+, Samsung Galaxy Note 3 LTE,
Samsung Galaxy Note 10.1 LTE, Samsung S4 Mini

TEMS™ POCKET – A COMPLETE MEASUREMENT SMARTPHONE SYSTEM IN YOUR HAND



TEMS Pocket supports connecting a battery powered high performance scanner and performing LTE signal scanning. The solution is ultra-portable and takes indoor scanning to the next level. This adds an accurate and high performance reference data source for efficient coverage and measurement validation.

Locking functions greatly increase productivity by reducing test time and improving test reliability. TEMS products now increase the wide array of market-unique control functions with the capability of locking the device to specific LTE carriers, a crucial capability for when operators need to expand network capacity with additional frequencies.

Visualize an abundance of real-time measurements, presented over time in line charts or aggregated in histograms. Users can analyze measurements immediately in the field with logfile replay on the handset, or automatic upload to storage.



Operate multiple TEMS Pocket devices through a single interface. Start and stop scripts on the controller device, and monitor the progress and status of each agent. Position measurement data for all agents at once.

Build custom views from the same types of graphical elements that make up predefined views. The views are overlaid with a grid, which you populate piece by piece with a mosaic of the value elements you want to monitor. Customize yourself in whatever way you like.

The market-unique AQM solution with vocoder selection provides the user with the only way to reliably test user experience for individual voice codecs. TEMS Pocket also provides the user with an ultra-portable and cost-efficient AQM solution through mobile-to-mobile POLQA, reducing the need for additional hardware.

KEY FEATURES

- Google Android OS
- High-performance smartphones
- Spans all major technologies:
 - GSM, EDGE, GPRS, WCDMA, HSPA
 - CDMA, EV-DO
 - LTE
 - Wi-Fi
- Scanning
 - LTE scanning with DRT4311B Scanner
- Automated service testing
 - Video streaming testing
 - VoLTE testing*
 - HTTP file and Web download
 - HTTP file upload
 - FTL DL/UL
 - Ping, email, SMS
 - Voice, POLQA mobile-to-mobile and mobile-to-fixed*
 - IP packet capture
 - Wi-Fi scanning
 - Multi-RAB (concurrent voice and data)
- Time scheduled and event triggered automatic tests
- Automated logfile upload
- Data views for idle, dedicated, RACH, data bearer, script information, etc.
- User-customizable data views
- Data session event viewer for script progress tracking
- Positioning with internal or external GPS
- L3 and SIP message header and full text viewer
- Wide range of L3, call and radio events with audio alerts
- Voice codec control for superior AQM testing*
- Line charts, distribution charts
- Event markers in graphs, maps and logs
- Indoor testing
 - Convenient indoor map pinpointing
 - Easy multifloor map management
 - Support for MapInfo .tab files for easy map configuration
 - Preplanned indoor routes for quick and easy indoor navigation
 - Multipinpointing
 - Import of iBwave Design 5.3 floor plans, MapInfo files
 - Import of iBwave Design 6.0 .ibwc files
- Outdoor map with global satellite, road or hybrid map images for measurement plotting
- Plot cell site locations and antenna directions in outdoor maps
- Import of cell site data for added cell information
- Advanced control functions**
 - WCDMA/GSM/LTE RAT and Band Lock
 - WCDMA/GSM/LTE Carrier Lock
 - WCDMA/GSM/LTE Cell Lock
 - Ignore Cell Barred
 - Access Class Control
 - Fast Dormancy Control
- Screen capture
- Replay collected data directly in the handset
- Logging with same level of detail as TEMS™ Investigation, i.e., including L3/L2 and chipset diagnostics data
- Filemarks in logfiles
- More than 160 presentable measurements
- Post-processing in TEMS Investigation 16.0 and TEMS Discovery 10.0 (and later versions)
- User Manual and Quick Guide available on the handset in mobile-friendly format

* Available on selected devices.

** Control functions may differ between model and release version. Please consult User Manual for details or request additional information from TEMS Sales.

DEVICE INFORMATION

Model	Technology: WCDMA	Technology: GSM	Technology: CDMA/EV-DO	Technology: LTE	Cell control capability	Data transfer rate
Samsung Galaxy S4 LTE GT-I9506	850/ 900/ 1900/ 2100	850/900/1800/ 1900	–	800/850/900/ 1800/2100/ 2600	RAT, band, LTE Carrier, LTE Cell, WCDMA Carrier, WCDMA Cell	HSUPA Cat. 6 (5.8 Mbps)/ HSDPA Cat. 24 (42 Mbps) LTE Cat. 4 (DL 150 Mbps/UL 50 Mbps)
Samsung Galaxy Note 3 SM-N900V	–	–	800/1900	1700/2100	–	EV-DO Rev. A LTE Cat. 3 (DL 100 Mbps/ UL 50 Mbps)
Sony Xperia T LT30a	850/1900/ 2100/AWS	850/900/1800/ 1900	–	700/850/1700/ 1900	WCDMA/GSM/LTE RAT/Band/Carrier Lock, WCDMA/GSM Cell Lock, Ignore Cell barred, Access Class Control	HSUPA Cat. 6 (5.8 Mbps)/ HSDPA Cat. 24 (42 Mbps) LTE Cat. 3 (DL 100 Mbps/UL 50 Mbps)
Sony Xperia V LT25i	850/900/ 2100	850/900/1800/ 1900	–	800/850/1800/ 2100/2600	WCDMA/GSM/LTE RAT/Band/Carrier Lock, WCDMA/GSM Cell Lock, Ignore Cell barred, Access Class Control	HSUPA Cat. 6 (5.8 Mbps)/ HSDPA Cat. 24 (42 Mbps) LTE Cat. 3 (DL 100 Mbps/UL 50 Mbps)
Samsung Galaxy S4 GT-I9505	850/900/ 1900/2100	850/900/1800/ 1900	–	800/850/900 1800/2100/ 2600	RAT, band	HSUPA Cat. 6 (5.8 Mbps)/HSDPA Cat. 24 (42 Mbps) LTE Cat. 3 (DL 100 Mbps/UL 50 Mbps)
Samsung Note 10.1 GT-N8020	850/900/ 2100	850/900/1800/ 1900	–	800/900/1800/ 2600	RAT, band	HSUPA Cat. 6 (5.8 Mbps)/HSDPA Cat. 24 (42 Mbps) LTE Cat. 3 (DL 100 Mbps/UL 50 Mbps)

Operating System: Google Android