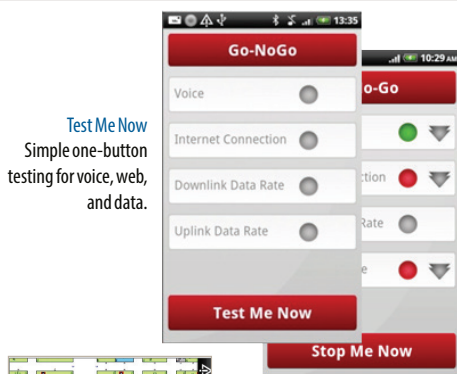


Handheld CDMA(1xEV-DO)/LTE Service Testing

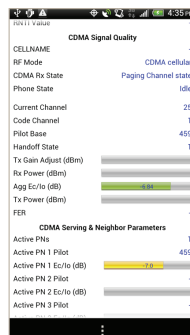
The JDSU market-leading handheld optimization solution is now available on the Samsung Galaxy® SIII for CDMA/LTE. It is crucial to test with the devices your customers use; otherwise, how else can you measure their experience? Now you can discretely monitor network performance and actively test the services your subscribers use with one of the most popular devices on the market today, the Samsung Galaxy SIII.

Key Benefits

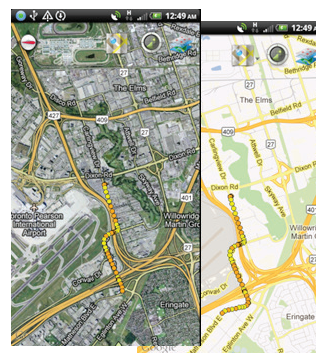
- Verify revenue-generating services before subscribers use them**
 The unique Test Me Now and parallel-test sequencer modes verify services from your subscriber's perspective, improves service quality, and dramatically reduces testing time.
- Absolutely anyone can capture data**
 Power on and automatically collect data from any location with results sent to an FTP site for analysis by your experts.
- Test with the devices your subscribers use**
 Measure the real customer experience using supported Android™ devices including the Samsung Galaxy SIII.
- EV-DO Channel Selection**
 Eliminate handovers and repeat tests by locking to and testing a selected channel.



Test Me Now
Simple one-button testing for voice, web, and data.



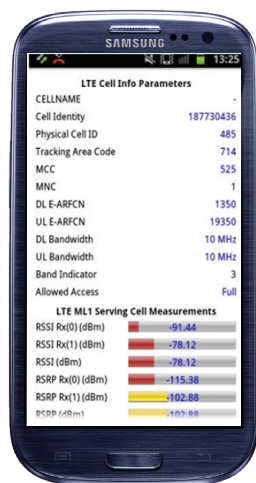
Detailed Visibility
Easily view all the key parameters.



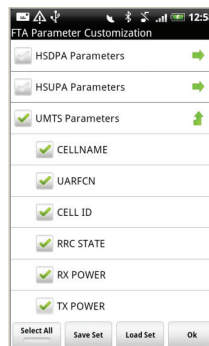
Outdoors: Google Maps
Test outdoors and view results with Google Maps.



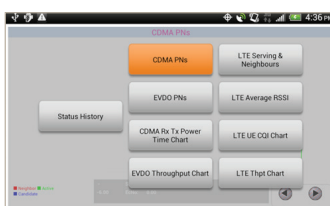
Indoors: Floor Plans
Perform detailed indoor analysis, where most of your traffic originates, without GPS.



Simulate Subscriber Behavior
Test voice, ping, HTTP, FTP, and CSFB services the way subscribers use them.



Personalize
Customize the GUI for your needs and get results faster.



Easy to Use
Intuitive interface lets anyone test.

Handheld CDMA(1xEV-DO)/LTE Service Testing

Supported Measurements

LTE Cell Info Parameters	LTE ML1 Serving Cell Measurements	LTE Serving & Neighbor Parameters	LTE Demodulation Configuration Parameters	LTE RACH Request Parameters	LTE RACH Response Parameters	Summary Parameters	Protocol
Cell Identity (28 bits)	RSSI Rx(0) dBm	Serving E-ARFCN	PDSCH RNTI ID	RACH RNTI	RACH Response RX Time	Satellites Visible	RRC Protocol
Tracking Area Code (16 bits)	RSSI Rx(1) dBm	Serving Physical Cell-ID	PDSCH RNTI Type	RACH Preamble	Timing Advance	Satellites Tracked	NAS Protocol
MCC	RSSI dBm	Serving RSRP (dBm)	Number of Tx Antennas	Cyclic Shift	Temporary C-RNTI	Voice Tests	
MNC	RSRP Rx(0) dBm	Serving RSRQ (dB)	Number of Rx Antennas	PRACH Tx Power (dBm)	MCS	Blocked Calls	
Physical Cell ID	RSRP Rx(1) dBm	Detected Cells PCI	Transmission Mode		TPC for PUSCH	Dropped Calls	
DL E-ARFCN	RSRP dBm	Neighbor Cell Count	Spatial Rank		Hopping Flag	FTP Transfers	
UL E-ARFCN	RSRQ Rx(0) dBm	N1 PCI	RB Allocation for Slot 0 (%)		UL Delay	FTP Throughput (kbps)	
DL BW	RSRQ Rx(1) dBm	N1 RSRP (dBm)	RB Allocation for Slot 1 (%)		CQI Request	HTTP Transfer	
Band Indicator	RSRP dBm	N1 RSRQ (dB)	Frequency Selective PMI		RB Assignment	HTTP Throughput	
Allowed Access	SINR Rx(0) dB	N2 PCI	PMI Index		RACH Procedure Type		
	SINR Rx(1) dB	N2 RSRP (dBm)	Stream 0 TBS (bits)		RNTI Type		
		N2 RSRQ (dB)	Stream 0 Modulation		RNTI Value		
		N3 PCI	Traffic-to-Pilot Block Ratio				
		N3 RSRP (dBm)	Stream 1 TBS (bits)				
		N3 RSRQ (dB)	Stream 1 Modulation				
		N4 PCI	PB				
		N4 RSRP (dBm)					
		N4 RSRQ (dB)					

CDMA Signal Quality	CDMA Serving & Neighbor Parameters	EV-DO-Serving Site Parameters	1xEV-DO Serving & Neighbor Parameters	EV-DO Data Parameters	Summary Parameters	Protocol
RF Mode	Active PNs	Channel	Active PNs	RLP Tx Throughput (kbps)	Satellites Visible	CDMA Layer 3
CDMA Rx State	Active PN 1 Pilot	RF Mode	Active PN 1 Pilot	RLP Tx Burst size (kb)	Satellites Tracked	EV-DO Layer 3
Phone State	Active PN 1 Ec/Io (dB)	Band Class	Active PN 1 Ec/Io (dB)	AT Requested DRC Rate	Voice Tests	
Current Channel	Active PN 2 Pilot	AT State	Active PN 2 Pilot	ARQ Effective Receive Rate	Blocked Calls	
Code Channel	Active PN 2 Ec/Io (dB)	Serving PN	Active PN 2 Ec/Io (dB)	RLP Rx Throughput (kbps)	Dropped Calls	
Pilot Base	Active PN 3 Pilot	Serving SINR	Active PN 3 Pilot	RLP Rx Burst Size (kb)	FTP Transfers	
Handoff State	Active PN 3 Ec/Io (dB)	UATI	Active PN 3 Ec/Io (dB)		FTP Throughput (kbps)	
Tx Gain Adjust (dBm)	Candidate PNs	UATI Color Code	Candidate PNs		HTTP Transfer	
Rx Power (dBm)	Neighbor PNs	Rx0 Power (dBm)	Neighbor PNs		HTTP Throughput (kbps)	
Agg Ec/Io (dB)		Rx1 Power (dBm)				
Tx Power (dBm)		Tx Power (dBm)				
FER						

Ordering Information

Part Number	Description	Technology: Frequency (MHz)
E5643B-809	Samsung Galaxy SIII (SCH-i535) for Verizon	CDMA/EV-DO: 800/1900 LTE: 700(13)



North America
Toll Free: 1 855 ASK-JDSU
(1 855 275-5378)

Latin America
Tel: +1 954 688 5660
Fax: +1 954 345 4668

Asia Pacific
Tel: +852 2892 0990
Fax: +852 2892 0770

EMEA
Tel: +49 7121 86 2222
Fax: +49 7172 86 1222

www.jdsu.com/test