iQxstream

PRODUCT OVERVIEW

LitePoint IQxstream® Mobile Test System

400 to 3000 MHz Advanced Cellular RF Test System

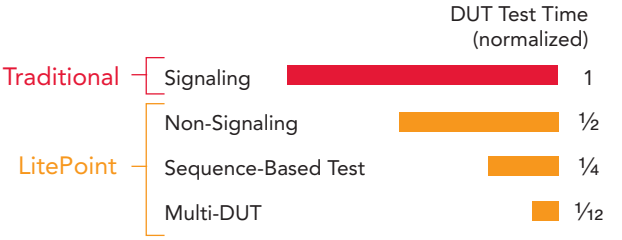
LitePoint IQxstream is a multi-technology testing solution for precise measurements of 2G, 3G, and 4G mobile devices—meeting the demands of development and production.

Save with Greater Flexibility and Scalability

The IQxstream Mobile Test System is a scalable, flexible test solution for multi-technology mobile products that delivers the lowest test costs available. Purpose-designed hardware with software-defined functionality allows purchasing of only needed capabilities upfront with the flexibility to seamlessly upgrade later.

The IQxstream hardware includes options for single- or multi-DUT testing and MIMO configurations. Optional software configurations include UMTS, CDMA2000, and LTE measurement suites.

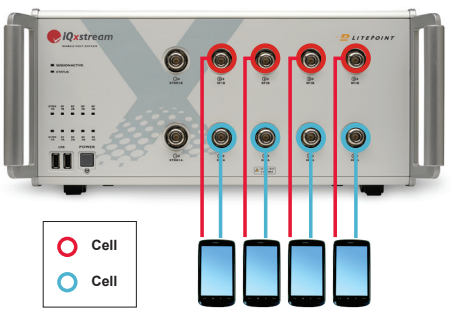
The IQxstream implements non-signaling testing methodology that enables advanced testing strategies that go beyond serial-test program flow to include sequential- and parallel-test execution. This capability allows up to four DUTs to be tested in parallel in the same time it traditionally takes to test one—saving significant costs.



Supports the Latest Technologies and Beyond

The IQxstream Mobile Test System supports the latest technologies all in one box, including transmitter and receiver measurements of GSM, EDGE, WCDMA, HSPA, HSPA+, CDMA2000 1xRTT, CDMA2000 1xEV-DO, and LTE FDD/TDD cellular technologies. The test system includes a General Purpose RF Tool Box that has signal generator, signal analyzer and power meter test resources for development and debug.

The IQxstream Mobile Test System covers a frequency range from 400 MHz to 3000 MHz. The RF generator and analyzer bandwidths are both 100 MHz, which enables wide-signal capture and analysis, ensuring support for future standards such as LTE-advanced.



Enabling the Highest Efficiency Parallel Test

The IQxstream, with Utilization Maximizing Technology (UMT™) enables highly efficient parallel test combining hardware architecture designed to move large amounts of data quickly with an intelligent software design that ensures the hardware is always busy testing. UMT enables IQxstream to deliver multi-DUT test times of less than 1/12 of traditional signaling approaches, while minimizing capital and operating costs. IQxstream delivers optional support for 2x2 MIMO device testing, delivering simple, fully calibrated point to point DUT connections to the tester. IQxstream delivers the highest throughput, with the best equipment utilization, in an easy to deploy multi-DUT testing solution.

LITEPOINT

Total Test Solution for Fastest Time to Volume

In conjunction with the LitePoint IQ2010 Connectivity Test System, the IQxstream Mobile Test System is a total cellular/connectivity, multi-DUT capable test station for today's complex smart phones, tablets, and more.

LitePoint's available IQvector chipset solutions provide complete cellular test software solutions including calibration and verification for popular cellular chipsets. LitePoint's Factory Test Technology License (FTTL) from Qualcomm ensures that LitePoint has access to the latest support and calibration algorithms for Qualcomm cellular chipsets.

Customers can count on LitePoint to provide highly optimized chipset test solutions for their manufacturing needs.

The IQxstream's native SCPI commands speed in-house test development, and its powerful software tools simplify test program development. Up to 10 virtual instrument channels enable independent configuration and execution of up to 10 separate measurements or operations within the instrument. An advanced parallel software architecture allows multiple channels to operate simultaneously without requiring any special user instruction. The IQxstream removes the complexity of developing high throughput manufacturing test programs enabling the least possible development time.

Confidence

IQxstream is backed by LitePoint's global support team located in major manufacturing centers around the globe. With local application and service engineers at all these sites, support is never far away. LitePoint's dedicated chipset support teams ensure that LitePoint's IQvector, test software solutions, are fully updated with the latest device driver and manufacturer calibration algorithms.

Parameter	Specification
Frequency Range	400 to 3000 MHz
Output Power Range	-8 to -130 dBm (Bi-directional RF ports / duplex mode)
	-20 to -130 dBm (Bi-directional RF ports / broadcast mode)
	+10 to -140 dBm (Uni-directional RF output port)
Output Power Accuracy	+/-0.5 dB typical
Technologies	UMTS (GSM, EDGE, WCDMA, HSPA, HSPA+)
	CDMA2000 (CDMAOne, EV-DO)
	LTE FDD/TDD
	GPS
Control Interface	1000 BaseT (Ethernet), SCPI Programming

Order Code	Description
0100-XSTR-001	IQxstream Base Platform (1 VSA, 1 VSG) 2 port
0100-XSTR-002	IQxstream Base Platform (1 VSA, 1 VSG) 5 port
0100-XSTR-005	IQxstream 2nd VSA/VSG Hardware Option
0300-XSTR-001	UMTS Measurement Suite
0300-XSTR-002	CDMA2000 Measurement Suite
0300-XSTR-003	LTE Measurement Suite