

LitePoint IQ2015™ Multi-Radio Test System

Fastest, Simplest Test Solution for Combo Devices



The LitePoint IQ2015™ is an integrated system capable of testing up to seven RF standards. The base model comes ready to test WiFi and Bluetooth®, while GPS, GLONASS, FM, NFC, and/or WiMAX can be easily added anytime.

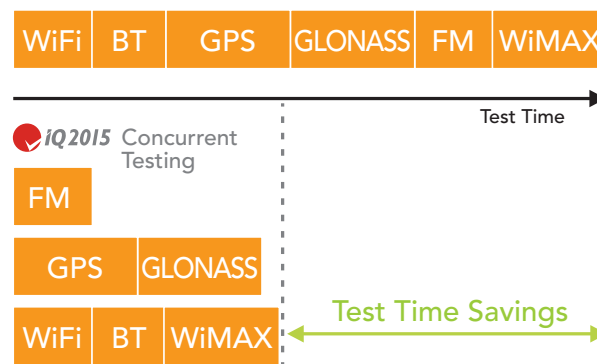
Applications

- Multi-radio devices
- Wireless devices
- Combo chips
- Modules and SiPs

Key Standards

- WiFi
- Bluetooth®
- GPS
- GLONASS (GNSS)
- FM
- NFC
- WiMAX

Traditional Testing



Reduce Test Time with Multi-radio Concurrent Testing

Multi-radio devices are increasingly used in mobile phones and other embedded applications. Traditional test techniques increase test time with every connectivity standard added to the device. The IQ2015 covers all key wireless standards in one box, enabling single-insertion testing while testing multiple radios concurrently.

This can reduce test time up to 50%.

Optimize Capital Expenditures with Technology Software Licensing

The IQ2015 can be purchased with WiFi and Bluetooth support only, and additional technology standards can be added anytime via software licensing in the field. The flexibility of this license-based software platform allows you to adapt your test facilities to the changing needs of your multi-radio devices, without having to commit to capital equipment expenditures in advance.

Reduce WiFi Test Time with Sequence-based Testing

The IQ2015 features proprietary, sequence-based test flow capability, which dramatically reduces WiFi test time. In transmit multi-data-rate testing, the IQ2015 can sequence with the DUT because it captures signals at different data rates in a single pass. For example, while performing a PER receive test, IQ2015 uses specialized circuits to detect the acknowledgement signals from the device when packets are transmitted. These signals provide confirmation of the received data, and PER can be calculated faster, by streamlining communication with the device, saving test time.

Parameter	Ports	Specification
Input Frequency Range	RF1 / RF2	2.15 to 2.7 GHz, 3.3 to 3.8 GHz, 4.9 to 6 GHz
	FM	76 to 108 MHz
	NFC	DC to 30 MHz
Input Power Range	RF1 / RF2	+30 dBm to -148 dBm/Hz
	FM	+10 dBm to -40 dBm
	NFC	5 to 1000 mV RMS
Output Frequency Range	RF1 / RF2	2.15 to 2.7 GHz, 3.3 to 3.8 GHz, 4.9 to 6 GHz
	GPS	1.57542 GHz
	GLONASS	1598 MHz to 1606 MHz
	FM	76 to 108 MHz
	NFC	DC to 35 MHz
Output Power Range	RF1 / RF2	+10 dBm to -95 dBm (CW)
	GPS	-60 dBm to -145 dBm
	GLONASS	-60 dBm to -145 dBm
	FM	-40 dBm to -110 dBm
	NFC	Up to 1000 mV RMS
Control Interface		USB 2.0 (type B connector)

Order Code	Description
0100-2015-000	IQ2015 Hardware with WiFi, Bluetooth
0300-20XX-012	IQ20XX GPS / FM License
0300-20XX-001	GPS License
0300-20XX-018	GLONASS (GNSS) License
0300-20XX-002	FM Software Option
0300-20XX-003	Audio Analysis Option Requires 0300-20XX-002 Option Includes LitePoint Audio Interface Module (AiM) Hardware Includes Audio Analysis Software (API and GUI)
0300-20XX-004	NFC Software Option
0300-20XX-005	WiMAX Software Option
0300-ZIGB-001	ZigBee Software Package CD

