

LitePoint IQ2010™ Multi-Radio Test System



The LitePoint IQ2010™ is a single system capable of testing up to six radios and standards. The base model comes ready to test WiFi and Bluetooth®. GPS, FM, NFC, WiMAX can be added anytime via simple software licensing.

Applications

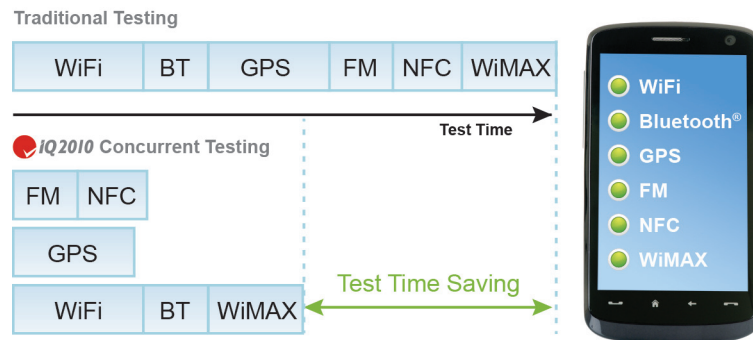
- Multi-Radio Devices
- Wireless Devices
- Combo Chips
- Modules and SiPs

Key Standards

- WiFi
- Bluetooth®
- GPS
- FM
- NFC
- WiMAX

Reduce Test Time with Multi-Radio Concurrent Testing

Multi-radio devices are increasingly used in mobile phones and other embedded applications. Traditional test approaches add test time with every connectivity standard added to the device. The IQ2010 enables up to 50% test time reduction with respect to traditional approaches. It does so by covering all key connectivity standards in one box, thus enabling one-insertion testing while testing multiple radios concurrently.



IQ2010 testing a multi-radio device with concurrent testing

Optimize Capital Expenditures with Technology Software Licensing

The IQ2010 allows you to add as many capabilities as needed, whenever you need them. The IQ2010 can be purchased with WiFi and Bluetooth support only; additional technology standards can be added anytime via software licensing in the field. IQ2010's licensable 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 IQ2010 features proprietary, sequence-based test flow capability, which dramatically reduces WiFi test time for supported devices. In transmit multi-data-rate testing, the IQ2010 can sequence or step in concert with the device because the test system can capture signals at different data rates in a single capture. While performing a PER receive test, when packets are transmitted to the device, the IQ2010 uses specialized circuits to detect the acknowledgement signals from the device. These signals provide confirmation of the received data, and PER can be calculated without requiring extensive communication with the device, thus saving test time.

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

Order Code	Description
0100-2010-000	IQ2010 Connectivity Test System with WiFi/BT SW License. Can be SW license upgraded to include GPS, FM, NFC, and WiMAX
0300-20XX-001	IQ2010 GPS SW License
0300-20XX-002	IQ2010 FM SW License
0300-20XX-003	IQ2010 FM AUDIO Analysis Option for the FM SW License. Includes the Audio Interface Module (HW add-on)
0300-20XX-004	IQ2010 Near Field Communication SW License
0300-20XX-005	IQ2010 WiMAX SW License

