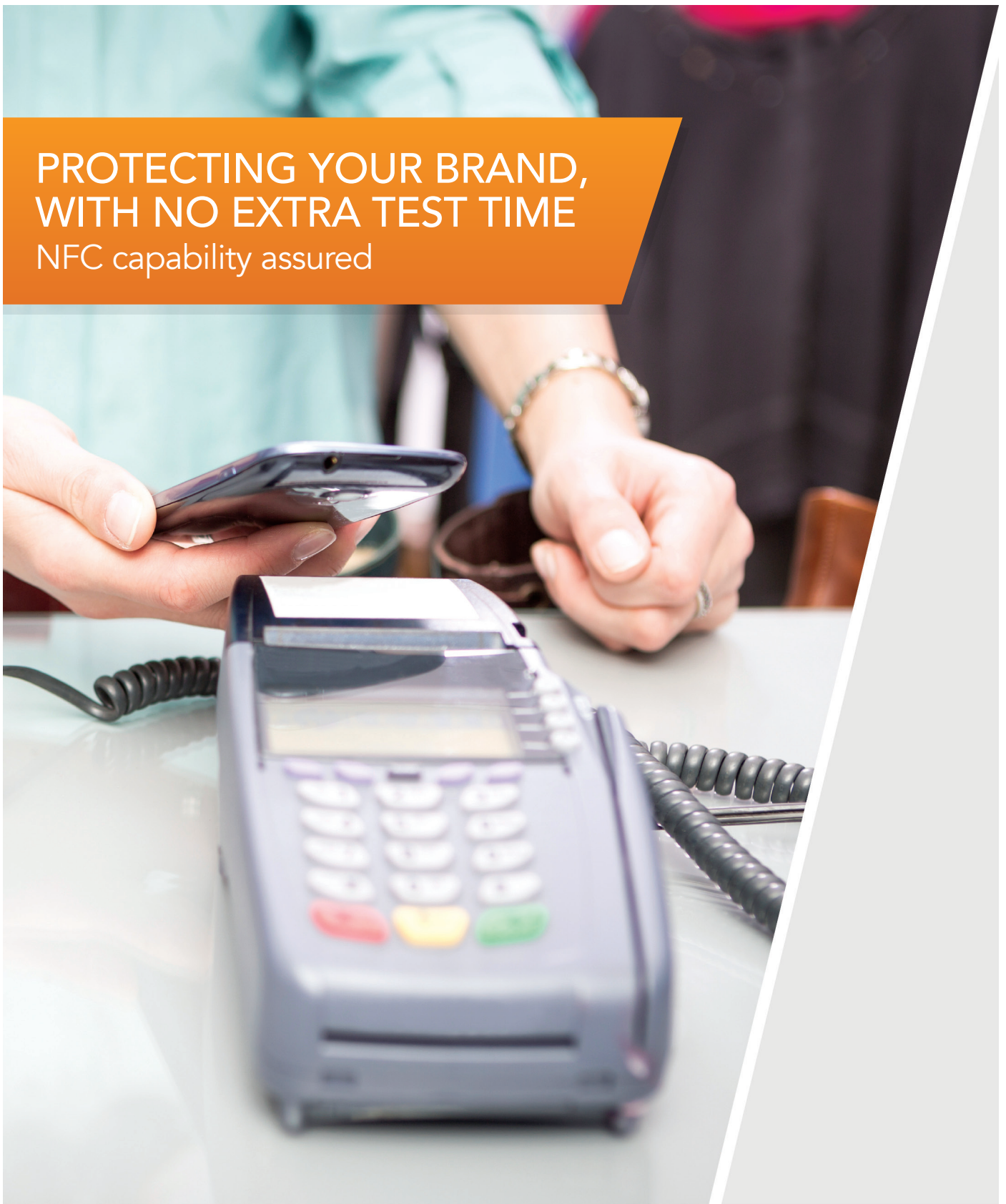iQnfc⁺

PROTECTING YOUR BRAND, WITH NO EXTRA TEST TIME

NFC capability assured

LITEPOINT

WHY TEST NFC?

It Can Make or Break a Brand's Reputation Based on Delivering Seamless NFC Functionality.

To understand why this relatively simple and low-cost wireless technology should get any more than pass/fail testing, is to consider the impact NFC has on the device within the marketplace.

Flawless User Experience Every Time

Relying on testing that's considered "good enough" is gambling with the user-experience. And that's a pervasive risk a brand can't afford to take. NFC-enabled devices that allow us to securely pay for purchases at point-of-sale can't work most of the time—they have to work every time. No consumer wants to be the one holding up a long checkout line because their NFC-enabled device wasn't working. Experiences like that are ripe for sharing with the world on social media.

The Pass/Fail Risk

The problem with Pass/Fail testing is that a "Pass" doesn't tell you how close to "Fail" the NFC radios in your devices could be. And since Pass/Fail provides no data, you don't get any insight into what could be causing a Fail and how you can address the problem. This makes it possible to release marginal products into the marketplace and cause potential damage to your brand. With LitePoint IQnfc+™, there's no need for such risk, and no need to add test time.

"Now you can ensure the proper functioning of all NFC-enabled devices at the physical layer—usually in less time than simple Pass/Fail testing."

Thorough, Qualitative Test in Less Time Than Pass/Fail Testing

IQnfc+ is an NFC test system that thoroughly covers every NFC standard quickly and affordably. Now you can ensure the proper functioning of all NFC-enabled devices at the physical layer—usually in less time than simple pass/fail testing.

- Significantly higher test coverage
- Quantitative physical layer NFC testing in lab and production
- Supports all NFC standards in a single box
- Supports both NFC Forum and EMVCo standard coils
- Wide range of physical layer measurements
- Detailed RF parametric analysis available through intuitive GUI
- Easy to set up and support—usually in less than an hour

Fast Test, Fast to Market

IQnfc+ tests all NFC technologies in seconds—usually faster than pass/fail testing—verifying system-level operation through reduced signaling. Meet time-to-market and time-to-volume goals while ensuring quality devices.

Built for Manufacturing and Only for NFC

IQnfc+'s compact and rugged design makes it ideal for use in manufacturing, ensuring that the same rigorous testing standards extend from the lab to production. Because it was designed solely to test NFC, you get just the functionality you need in a low profile that minimizes your overall test footprint.

Single-Box Savings

IQnfc+ supports all NFC standards in a single easy-to-use box. No programming is required or lengthy training; it's already calibrated to test the NFC devices you're using today. Simple setup, less power consumption and short test development time—it all adds up to significant savings.

Have confidence your products will deliver on their NFC promise.
Get the peace of mind your brand needs with IQnfc+.

Comprehensive Test Coverage

IQnfc supports all main NFC standards and the emulation of both initiator (PCD or polling device) and target (PICC or listening device) modes, including:

- ISO 14443A/B
- ISO 18092
- EMVco
- FeliCa

Specs

ANALYZER	TRANSCEIVER
Input Voltage Range	**Output Voltage Range**
• RF Ports: .05 to 2 Vpp, +/- 1 V Max.	• Initiator port: 0.2 to 20 Vpp
• RF + DC port: 0.7 to 30 Vpp, +/- 15V Max.	• Target port: 0 to 5 V (pulse amplitude) -2 to +3 V (pulse offset)
Frequency Range	**Frequency Range**
• 12 to 20 MHz	• Transceiver port: 13.56 +/- 0.01 MHz

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