IQfact 5G

IQfact5G is a turnkey, high volume manufacturing automation test tool designed for chipset-specific testing of 5G NR mmWave and Sub-6GHz capable devices. The test software is optimized for manufacturing to ensure quality device measurements with minimal engineering effort translating into cost savings and faster time to market.

IQfact5G is a calibration and verification software tool specifically designed to support accurate testing of RF transmitter and receiver characteristics of 5G NR devices. It significantly reduces test times using non-signaling mode of operation to make fast measurements and analysis.

Single Test Flow, Multiple Measurements

5G technology is inherently complex, requiring calibration of several different RF paths, antenna configurations and verification of transmitter and receiver characteristics across varied specifications. It can be daunting to script multiple heterogeneous test procedures to make quality measurements, especially in a high path loss environment. IQfact5G gives you the flexibility to use a single test flow to perform RF verification across multiple beam IDs, bands, channels and polarizations. It builds on the features delivered by chipset automation tools and allows easy customization of test flows using a predefined library of test cases.
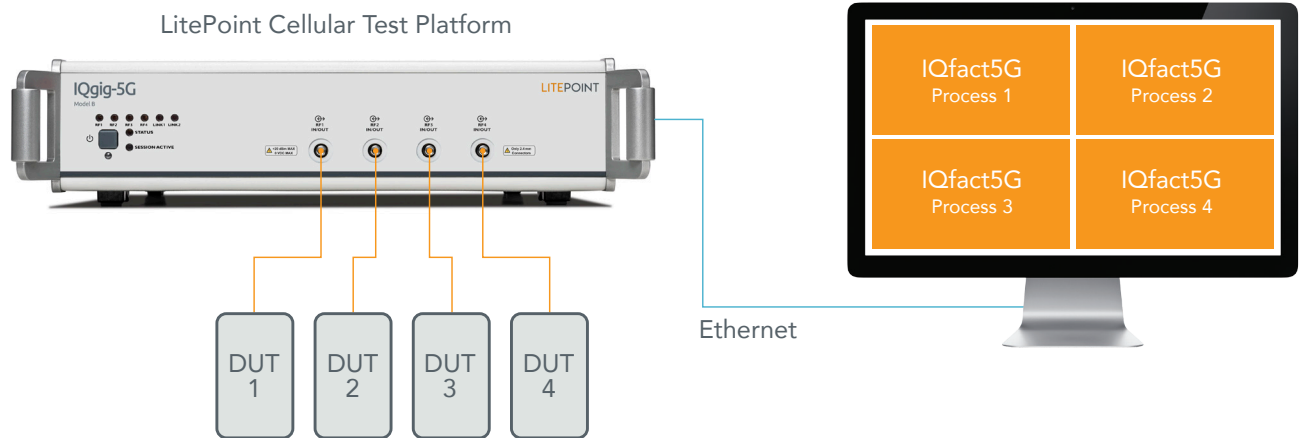
| Accurate RF Calibration & Verification | Intuitive UI with Data Logging and Analysis | Shorter Test Times | Multi DUT Efficiency | Lower Cost of Test |

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Intuitive User Interface

IQfact5G can be executed using an intuitive user interface called IQfactStudio or can be easily integrated into your test program framework as a command line tool. The interface also facilitates quick modification of measurement parameters and define pass fail limits. IQfact5G has built-in data logging and supports graphical analysis of data, saving several hours of manual root cause analysis and data visualization.

Optimized for Manufacturing

Compared to a standard chipset automation tool, which may take several minutes to complete the test flow execution, IQfact5G shortens the single DUT test times by almost 70%, accelerating the engineering development cycle by more than threefold. IQfact5G is optimized for manufacturing and significantly improves production throughput by leveraging Asynchronous Parallel Test (APT) capabilities to improve multi-DUT efficiencies.

LitePoint Cellular Test Platform

Ethernet

For 5G OTA testing the software tool supports

• Integrated DUT Control

• Chamber Positioner Control

70% Reduction in Test Time

3.5x Higher Production Throughput

How LitePoint Can Help

At LitePoint we focus on developing test solutions which are simple, easy to use and most importantly increase manufacturing test efficiency. **For more information about the product and the supported test platforms please contact your LitePoint sales representative or visit us at www.litepoint.com**

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