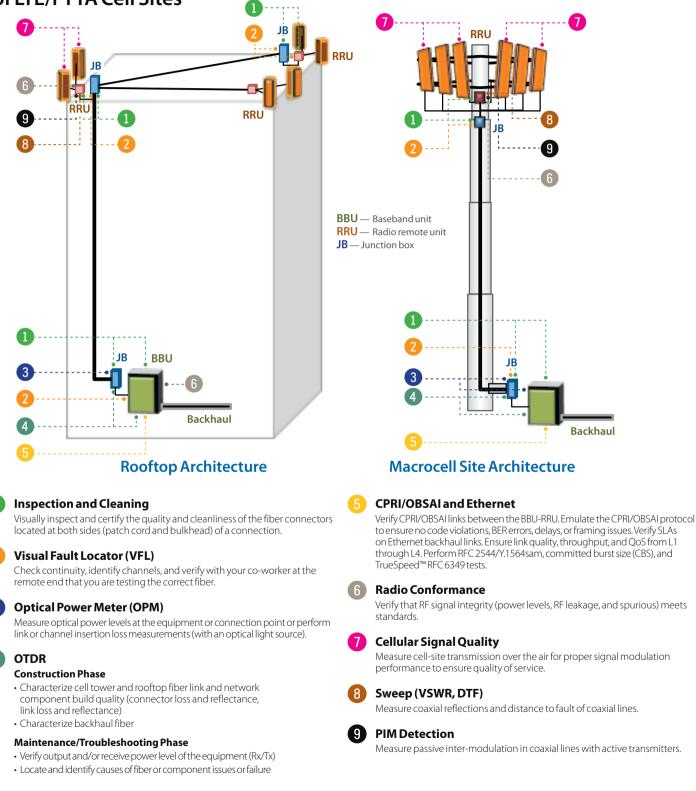
# Wireless Test Kits | Essential Cell-Site Testing

# Installation and Maintenance of LTE/FTTA Cell Sites





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# Wireless Test Kits | Essential Cell-Site Testing

#### Fiber Acceptance Test Tier 1 Part numbers: FIT-COMM-B, FBP-COMM-T



- Complete jobs faster, correctly with pass/fail, and on time—the first time
   Efficient, easy-to-use SmartClass<sup>™</sup> Fiber tools with integrated inspection, test, and best practices cut testing and certification time in half.
- Complete jobs faster with autocentering, an integrated patch cord microscope (PCM), and special duplex LC/SC inspection adapters

Getting fiber on the screen is now easy. No need to change tips at the top of the tower—switch between a bulkhead and the patch cord microscope with just one button click. Plug in the duplex LC and slide to inspect each connector.

- Easily generate certification reports Prove that your work quality meets industry standards and specifications.
- Flexibility for use anywhere
  Use the portable, organized, hands-free
  carrier up cell towers and on cell sites.
- Eliminate subjective guesswork with pass/fail analysis
   This unique, automated handheld tool certifies fiber end-face condition and measures optical power with pass/

fail results. Technicians use the same

parameters across the entire network.

**Fiber Acceptance Test Tier 2** Part number: TB2-FTTA-QU-P



Fully qualify your cell tower and rooftop

All-in-one kit integrating a high performance OTDR (sharp resolution) with inspection and essential fiber test tools for detailed analysis of your link components.

#### Simplify and speed OTDR testing with an OTDR application designed specifically for cell tower/rooftop testing

- No complex setup required
- Simple icon-based schematic displays
- Auto identification and analysis of network elements
- Immediately diagnose fiber network infrastructure quality Isolate issues with pass/fail measurement results.
- **Easily generate certification reports** Prove that your work quality meets industry standards and specifications.
- Flexibility for use anywhere Use the portable, organized, hands-free carrier up cell towers and on cell sites.
- Eliminate subjective guesswork with pass/fail analysis

This unique, automated handheld tool certifies fiber end-face condition and measures optical power with pass/ fail results. Technicians use the same parameters across the entire network.

## CPRI/OBSAI Validation Test

Part numbers: MTS-5801/5812/5812P



 Verify CPRI- or OBSAI-based fronthaul

Ensured connectivity to the RRU without climbing the tower. Verify error-free transmission with BERT and proper CPRI and OBSAI alarm reporting.

- Ensure that Ethernet backhaul misconfiguration does not cause retransmissions on the wireless spectrum
  - Perform RFC 2544 or Y.1564 tests to validate Ethernet-layer KPIs: throughput, latency, packet loss, jitter, and committed burst size (CBS)
  - Ensure Layer 2 control-plane transparency with the automated J-Proof test
  - Guarantee high-quality customer data throughput with RFC 6349 TrueSpeed
  - Validate all the above KPIs for multiple flows based on Y.1564sam specifications (SAMComplete) and guarantee QoS and CoS
- Validate the customer experience and TCP throughput using RFC 6349 TrueSpeed-based tests
   Automated workflows and report
- generation Prove that your work quality meets industry standards and operator's specifications with an automatic pass/fail test.
- Ensure network timing synchronization
  - Ensure Layer 2 control-plane transparency with the automated J-Proof test
  - Guarantee high-quality customer data throughput with RFC 6349 TrueSpeed

#### **RF and Fiber Analyzer and Test** Part number: JD745AB04



 Fully characterize cellular transmission quality

Integrated high-performance cell-site analyzer with RF characterization, sweep test, PIM-detection, and signal analysis of CDMA/EV-DO and LTE.

- Complete jobs faster with pass/fail spectrum masks and Fiber Testing Perform all traditional RF cell-site tests, including "Inspect Before You Connect" (IBYC) tests and power measurements, on sites with fiber links. The P5000i Fiber Microscope ensures all fiber connections are clean and power levels are verified, while the MP-60/80 optical power meter enables users to turn up cell sites and get them running faster. Users can certify fiber connectors and power for a lifetime and avoid the presence of any RF interference before commissioning.
- Easy and systematic pass/fail sweep conformance

Certify cable runs quickly and easily with pass/fail indications according to custom specifications.

 Immediate diagnostic of modulation performance Obtain modulation profiles of CDMA/

EV-DO and LTE signals to promptly identify problems and expedite resolution.

 Verify the system for passive intermodulation

Perform in-service PIM detection tests to certify the installation of the entire system is not generating unwanted RF noise.

 Automated testing and report generation

Prove that your work quality meets industry standards and specifications with an automated pass/fail test.

### **Ordering Information**

Part Number	Description
FIT-COMM-B	Bottom tower: OLP-82P with OPM, P5000i, FiberChekPRO™ software, LC and SC duplex inspection tips/adapters, cleaning tools, utility carrier, carrying case
FBP-COMM-T	Top tower: HD4iP with PCM, P5000i, FiberChekPRO software, LC and SC duplex inspection tips/adapters, cleaning tools, utility carrier, carrying case
TB2-FTTA-QU-P	T-BERD/MTS-2000 with SM/MM 0TDR module, OPM, SLM-FTTA app, VFL, P5000i, LC and SC inspection tips, utility carrier, cleaning tools, carrying case
JD745AB04	CellAdvisor JD745A with soft carrying case, GPS receiver and antenna, 2-port test, CW signal generator, interference and signal analysis for CDMA/EV-DO/LTE
MTS-5801/5812/5812P	Portable, all-in-one Ethernet test instrument



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