

Fiber Inspection and Basic Optical Test



Fiber cleaning



VFL
Continuity and trace
Economy and basic



Fiber ID



Optical Power Meters (MP-60, PowerChek™, SmartPocket™)
Cell tower optical loss measurement



**Inspect, pass/fail, and
FiberChekPRO™**
Base station kit



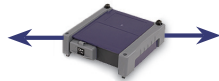
**Inspect, clean, test,
and certify**
Pro tools cell tower kit

Fault Locator/OTDR/IL/ORL Testing

*SLM and FTFA - SLM - Software Feature**



**T-BERD®/MTS-2000 and
SmartOTDR™ Kits**
Handheld/hands-free
modular test set for basic
cell tower OTDR



FiberComplete™
Auto-bidirectional
LTS/ORL+OTDR module for
distributed cells and backhaul



T-BERD/MTS-4000
Multiple service test platform
large-screen cell tower OTDR
or OTDR/C-OSA combo



T-BERD/MTS-6000v2
Backhaul OTDR EVO, FiberComplete
EVO (auto-bidirectional
LTS+ORL+OTDR),
and CWDM OTDR

*SLM + FTFA-SLM (Smart Link Mapper): Icon-based OTDR map view automatically detects elements

CWDM/DWDM Testing



OCC-5x
Optical channel checkers
for CWDM/DWDM



T-BERD/MTS-2000
Handheld/hands-free
CWDM OSA



T-BERD/MTS-4000
CWDM OSA



T-BERD/MTS-6000v2
Full-band OSA

Active Network Field Test



SmartClass™
Ethernet only (to GE)



HST-3000
Metro Ethernet and
cell backhaul (to GE)



T-BERD/MTS-5800v2
Metro Ethernet, cell backhaul
(to 10 GE), and CPRI/OBSAI



T-BERD/MTS-6000Av2
Metro Ethernet, backhaul
(dual 10 GE), CPRI/OBSAI

Remote Test and Monitoring



QT-600
1 G/10 G Ethernet



ONMSI
Fiber backhaul remote
test and monitoring

Test and Monitoring Solutions for Fiber to the Antenna (FTTA)

Fiber Backhaul Tests Performed	Tool Category	FI-60	FFL-100 and FFL-050	P50001	OLP-82	OLP-35, MP-60, and PowerChek	OLS-35	OCC-5x	T-BERD/MTS-2000	T-BERD/MTS-4000	SmartClass Ethernet	HST-3000	T-BERD/MTS-5800V2	T-BERD/MTS-6000A
Identify live fiber	Fiber identifier	■												
Inspect optical-connector end face	Video inspection scope			■	■				■	■		■	■	■
Inspect and pass/fail certify connector end face	Digital video inspection scope			■	■				■	■		■	■	■
Check continuity	VFL		■						■	■				■
Verify link length/locate break	OTDR/SLM								■	■				■
Loss/attenuation test	Loss test set				■	■	■		■	■		■		■
Identify splice and connector loss, macrobend, and reflectance	OTDR/SLM								■	■				■
Power-level measurements	Broadband power meter	■			■	■			■	■		■		■
CWDM/DWDM test	OSA/channel check							■	■	■				■
CPRI/OBSAI test	Layer 1/2												■	■
Ethernet test	Layers 1, 2, 3, 4										■	■	■	■

Macro Cell Tower and Distributed Cell Tests Performed	Tool Category	FI-60	FFL-100 and FFL-050	P50001	OLP-82	OLP-35, MP-60, and PowerChek	OLS-35	OCC-5x	T-BERD/MTS-2000	T-BERD/MTS-4000	HST-3000	T-BERD/MTS-5800V2	T-BERD/MTS-6000A
Identify live fiber	Fiber identifier	■											
Inspect optical-connector end face	Video inspection scope			■	■				■	■	■	■	■
Inspect and pass/fail certify connector end face	Video inspection scope			■	■				■	■	■	■	■
Check continuity	VFL		■						■	■			■
Verify link length/locate break	OTDR FTTA-SLM								■	■			■
Loss/attenuation test	Loss test set				■	■	■		■	■	■		■
Identify splice and connector loss, macrobend, and reflectance	OTDR FTTA-SLM								■	■			■
Power-level measurements	Broadband power meter	■			■	■			■	■	■		■
CWDM/DWDM test	OSA/channel check							■	■	■			■
CPRI/OBSAI test	Layer 1/2											■	■

FTTA and Mobile Backhaul Service Assurance and Monitoring	Tool Category	QT-600 Family	ONMSi
Metro-E (10 Mbps to 10 GE)	Remote Test and Monitor	■	
Mobile Backhaul (Ethernet)	Remote Test and Monitor	■	
Backhaul Monitoring (Fiber)	Remote Test and Monitor		■
Fronthaul Monitoring (Fiber)	Remote Test and Monitor		■



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