

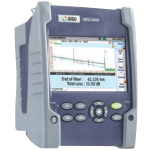
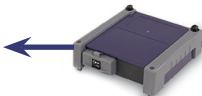


Test and Monitoring Solutions for Fiber to the Antenna (FTTA)

Fiber Inspection and Basic Optical Test

							
Fiber cleaning	VFL Continuity and trace Economy and basic	Fiber ID	USB power meter Cell tower loss characterization light sources and power meters	Inspect, pass/fail, and FiberChekPRO™ Base station kit	SmartPocket™ series	Inspect and clean Basic inspection and cleaning cell tower 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), 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	BrightJack Distributed cell continuous fiber monitoring probe	ONMSi Fiber backhaul remote test and monitoring

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Fiber Backhaul Tests Performed	Tool Category	FI-60	FFL-100, FFL-050	P5000i	HD2	OLP-82	OLP-35, MP-60	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, macro-bend, 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, FFL-050	P5000i	HD2	OLP-82	OLP-35,MP-60	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, macro-bend, 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	BrightLack	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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