Test Solutions for HetNets

VIAVI
VIAVI Solutions

FTTA Certification

T-BERD®/MTS-5800

T-BERD/MTS-2000

T-BERD/MTS-4000 V2

Optical Channel Checker

MP-60A USB optical power meter

SmartClass™ Fiber OLTS-85

FiberChek

PowerChek™

P5000i fiber microscope

FFL-050/-100 Visual Fault Locators

StrataSync™

E N A B L E D

Spectrum Analyzer and Sweep Test Solution

CellAdvisor™

InterferenceAdvisor

CPRIAdvisor

Backhaul/Copper Commissioning

Certifier40G

T-BERD/MTS-5800

Certifier10G

SmartClass 4800

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Copper Certification

Feature	Certifier10G	Certifier40G
Up to Category 6A/Class EA channel and link certification	■	■
Up to Category 7A/Class FA channel and link certification		■
Up to Category 8 channel and link certification		■
Patch cord certification	■	■
Coax certification	■	
Test result management and reporting	■	■

Fronthaul Fiber Certification

Feature	OLTS-85	Certifier40G	T-BERD/ MTS-2000	T-BERD/ MTS-4000 v2
Fiber end-face inspection (with P5000i)	■	■	■	■
Dedicated fiber patch cord microscope	■			
Tier 1 fiber certification	■	■		
Encircled flux compliant	■	■		
Copper certification		■		
12 fiber MPO loss/polarity (multimode)		■		
Tier 2 fiber certification			■	■
Test result management and reporting	■	■	■	■
CWDM OSA (COSA) Test			■	■
CWDM OTDR test			■	■
DWDM/OTDR test			■	■
12 Fiber MPO characterization and troubleshooting (OTDR)			■	■
External MPO switch			■	■
Internal/integrated MPO switch				■

Ethernet Testing Tools

Features	T-BERD-5800v2	T-BERD-5800 – 100G	SmartClass-4800
1G Ethernet	■	■	■
10G Ethernet	■	■	
25G/40G/100G Ethernet		■	
Layer 1-4 Ethernet testing	■	■	■
RFC 2544 Ethernet test	■	■	■
Y.1564 Ethernet test	■	■	■
RFC 6349 TCP testing	■	■	■
Ethernet loopback capability for 3rd party equipment	■	■	■
Wi-Fi and/or Bluetooth capable	■	■	■
CPRI (614M - 10.13G)	■		
RFoCPRI	■		
PTP/SyncE Testing	■	■	
Timing Expansion Module	■	■	
T1/T3/E1/E3/E4	■	■	T1/E1
SONET/SDH	■	■	
OTU1-2	■	■	
OTU3-4		■	
FibreChannel 1-16G	■	■	
FibreChannel 32G		■	

RF Sweep Test Solution

Features	Base Station Analyzer		Signal Analyzer		RF Analyzer		Cable and Antenna Analyzers				CPRI Advisor	Interference Avisor
	JD785B	JD745B	JD788B	JD748B	JD786B	JD746B	JD726C	JD725C	JD724C	JD723C		
Cable and antenna analysis	5 MHz to 6 GHz	5 MHz to 4 GHz			5 MHz to 6 GHz	5 MHz to 4 GHz	5 MHz to 6 GHz	5 MHz to 6 GHz	5 MHz to 4 GHz	100 MHz to 2.7 GHz		
Insertion gain/loss	■	■	■	■	■	■	■	■				
Bluetooth	■	■	■	■	■	■	■	■	■	■		■
RF power	■	■	■	■	■	■	■	■	■	■	■	
Optical power	■	■	■	■	■	■	■	■	■	■		
Fiber inspection	■	■	■	■	■	■	■	■	■	■		
Cloud services	■	■	■	■	■	■	■	■	■	■		■
Spectrum analysis	9 kHz to 8 GHz	100 kHz to 4 GHz	9 kHz to 8 GHz	100 kHz to 4 GHz	9 kHz to 8 GHz	100 kHz to 4 GHz					■	■
Interference analysis	■	■	■	■	■	■					■	■
PIM detection	■	■	■	■	■	■					■	
Signal analysis	■	■	■	■							■	
RFoFiber	■	■	■	■	■	■					■	
LTE DAS test	■	■	■	■							■	
Remote 24/7 monitoring C-RAN test											■	
Automated interference hunting												■

Essential Fiber Tools

Fiber Inspection

Feature	P5000i	SmartClass	FiberChek	FFL-050/-100 Visual Fault Locators
Dual magnification inspection of fiber end faces	■	■	■	
Pass/fail analysis to industry standards or custom requirements	■	■	■	
Compatible with mobile devices	■	■	■	
On-board storage		■	■	
Integrated display		■		
Dedicated fiber patch cord microscope		■		
Test result reporting	■	■	■	
Auto centering		■		
Auto focusing		■		
Touch screen display		■		
WiFi and blue-tooth connectivity		■		
Visual Fault Location				■

Optical Power Meters (OPM)

Feature	MP-60A	SmartPocket	PowerChek
Broadband optical power measurement	■	■	■
Absolute and reference-level measurement	■	■	■
On-board results storage		■	■
Optical source		■	
Screen		■	■
In-bulkhead, non-contact test			■
Test result reporting	■	■	■

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