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Updates

- **February 27, 2008:** With the publication of ANSI/TIA-568-B.2-10, Siemon now requires the use of the DTX-PLA002 for all 10G 6A warranted systems. The DTX-PLA001 w/DSP-PM06 does not meet the final Return Loss requirements to 500MHz. Additionally, the DTX-PLA002 adapters feature a more robust design and offer more stable performance to 500MHz. To assist with this transition, warranty test results using the DTX-PLA001 w/DSP-PM06 will be permitted on an exception basis for a period of approximately 3 months. Testing performed after June 1, 2008 must be done with the DTX-PLA002.

  The DTX-PLA001 w/DSP-PM06 remains eligible for System 5e®, Premium 5e®, System 6® and Premium 6 warranty testing.

  For more information on these adapters and their relation to the published augmented category 6 standard, please reference the following link: http://www.flukenetworks.com/fnet/en-us/supportAndDownloads/KB/Datacom+Cabling/DTX+PLA002+Adapters/Should+I+use+DTX+PLA002+to+test+Augmented+Category+6.htm

- **June 1, 2008:** DTX-PLA002 is required for all 10G 6A warranted systems.

- **June 24, 2008:** Software version 2.12 is required for the DTX Series CableAnalyzers and published limits are required for 10G 6A™ testing.

- **September 25, 2008:** Segregated TERA 600 and 1000 testing to allow for use of new Class F_A channel testing.

- **April 23, 2009:** Software version 2.22 is required for the DTX Series CableAnalyzers. Added Z-MAX 6A test requirements including use of ISO Class E_A channel limits.

SYSTEM 5e®, PREMIUM 5e®

Tester Model	SW Version	Link Adapter[1,2,3]	Channel Adapter
OMNIScanner®	6.12	OMNI-LIA101 w/DSP-PM06	8262-42[4]
OMNIScanner2®	6.12	OMNI-LIA101 w/DSP-PM06	8262-42[4]
DSP-4000	3.925	DSP-LIA101 w/DSP-PM06	DSP-LIA012S
DSP-4100	4.925	DSP-LIA101 w/DSP-PM06	DSP-LIA012S
DSP-4300	1.925	DSP-LIA101 w/DSP-PM06	DSP-LIA012S
DTX-1800	2.22	DTX-PLA001 w/DSP-PM06 or DTX-PLA002	DTX-CHA001 or DTX-CHA001A
DTX-1200	2.22	DTX-PLA001 w/DSP-PM06 or DTX-PLA002	DTX-CHA001 or DTX-CHA001A
DTX-LT	2.22	DTX-PLA001 w/DSP-PM06 or DTX-PLA002	DTX-CHA001 or DTX-CHA001A

Notes:

[1] Although the DSP-PM06 is the listed personality module for testing of Siemon systems, the DSP-PM01, -PM02 and -PM25 are also acceptable for qualification of Siemon systems. However, it is important to note that the DSP-PM01 does not provide the same margin of headroom. As a result, in situations where the DSP-PM01 is used and the test results do not exhibit the appropriate level of margin, the DSP-PM02, -PM06 or -PM25 should be used to qualify the validity of the installed cabling prior to further diagnostic efforts.

[2] Siemon has recognized an insertion conflict with early revisions of Fluke Networks' Personality Modules and The Siemon Company's angled CT Coupler (with and without doors). Fluke Networks has since modified the personality module design to resolve this issue, however for immediate short term field resolution, Fluke Networks recommends cutting away the conflicting boot material on the affected personality module until replacement modules can be obtained.

[3] Siemon has confirmed an interference issue with angled CT couplers when testing with Fluke Networks PM06 personality modules. The interference is only realized when using angled CT couplers mounted directly above each other in a faceplate or patch panel. Siemon and Fluke Networks are aware of this issue and are working together in an effort to identify a permanent solution to eliminate this interference. Until a solution is identified, Siemon recommends the use of MC5 or MC6 cords to perform channel testing when using angled CT couplers mounted in this configuration.

[4] This adapter is the current design offered by Fluke Networks in the new yellow and black colors. The previous adapter (p/n 8262-02) is identical in regards to performance and remains acceptable for use.

SYSTEM 6®, PREMIUM 6®

Tester Model	SW Version	Link Adapter[2,3,4]	S210 Adapter (T568A)	S210 Adapter (T568B)	Channel Adapter
OMNIScanner®	6.12	OMNI-LIA101 w/DSP-PM06	OMNI-LIA101 w/DSP-PM13A[1]	OMNI-LIA101 w/DSP-PM13B[1]	8262-42[5]
OMNIScanner2®	6.12	OMNI-LIA101 w/DSP-PM06	OMNI-LIA101 w/DSP-PM13A[1]	OMNI-LIA101 w/DSP-PM13B[1]	8262-42[5]
DSP-4000	3.925	DSP-LIA101 w/DSP-PM06	DSP-LIA101 w/DSP-PM13A	DSP-LIA101 w/DSP-PM13B	DSP-LIA012
DSP-4100	4.925	DSP-LIA101 w/DSP-PM06	DSP-LIA101 w/DSP-PM13A	DSP-LIA101 w/DSP-PM13B	DSP-LIA012
DSP-4300	1.925	DSP-LIA101 w/DSP-PM06	DSP-LIA101 w/DSP-PM13A	DSP-LIA101 w/DSP-PM13B	DSP-LIA012
DTX-1800	2.22	DTX-PLA001 w/DSP-PM06 or DTX-PLA002	DTX-PLA001 w/DSP-PM13A	DTX-PLA001 w/DSP-PM13B	DTX-CHA001 or DTX-CHA001A
DTX-1200	2.22	DTX-PLA001 w/DSP-PM06 or DTX-PLA002	DTX-PLA001 w/DSP-PM13A	DTX-PLA001 w/DSP-PM13B	DTX-CHA001 or DTX-CHA001A
DTX-LT	2.22	DTX-PLA001 w/DSP-PM06 or DTX-PLA002	DTX-PLA001 w/DSP-PM13A	DTX-PLA001 w/DSP-PM13B	DTX-CHA001 or DTX-CHA001A

Notes:

[1] For OMNIScanners, the following S210 permanent link adapters remain acceptable for use:

- S210 T568A permanent link adapter (p/n 8262-32)
- S210 T568B permanent link adapter (p/n 8262-33)

[2] Although the DSP-PM06 is the listed personality module for testing of Siemon systems, the DSP-PM01, -PM02 and -PM25 are also acceptable for qualification of Siemon systems. However, it is important to note that the DSP-PM01 does not provide the same margin of headroom. As a result, in situations where the DSP-PM01 is used and the test results do not exhibit the appropriate level of margin, the DSP-PM02, -PM06 or -PM25 should be used to qualify the validity of the installed cabling prior to further diagnostic efforts.

[3] Siemon has recognized an insertion conflict with early revisions of Fluke Networks' Personality Modules and The Siemon Company's angled CT Coupler (with and without doors). Fluke Networks has since modified the personality module design to resolve this issue, however for immediate short term field resolution, Fluke Networks recommends cutting away the conflicting boot material on the affected personality module until replacement modules can be obtained.

[4] Siemon has confirmed an interference issue with angled CT couplers when testing with Fluke Networks PM06 personality modules. The interference is only realized when using angled CT couplers mounted directly above each other in a faceplate or patch panel. Siemon and Fluke Networks are aware of this issue and are working together in an effort to identify a permanent solution to eliminate this interference. Until a solution is identified, Siemon recommends the use of MC5 or MC6 cords to perform channel testing when using angled CT couplers mounted in this configuration.

[5] This adapter is the current design offered by Fluke Networks in the new yellow and black colors. The previous adapter (p/n 8262-02) is identical in regards to performance and remains acceptable for use.

10G 6A™

Tester Model	Software Version	Link Adapter	Permanent Link Test	Channel Adapter	Channel Test
DTX-1800	2.22	DTX-PLA002	TIA Cat 6A PL	DTX-CHA001 or DTX-CHA001A	TIA Cat 6A Ch

Z-MAX™ 6A

Tester Model	Software Version	Link Adapter	Permanent Link Test[1]	Channel Adapter	Channel Test
DTX-1800	2.22	DTX-PLA002	TIA Cat 6A PL	DTX-CHA001 or DTX-CHA001A	TIA Cat 6A Ch or ISO ClassEa Ch AMD1

Notes:

[1] ISO/IEC 11801 Ed2.0 Amendment 2 class E_A permanent link limits remain under development.

TERA® 600

Tester Model	Software Version	Link Adapter	Link Test	Channel Adapter	Channel Test
DTX-1800	2.22	DTX-TERA[1]	ISO11801 PL max Class F	DTX-TERA[1]	ISO11801 Channel Class F

TERA® 1000

Tester Model	Software Version	Link Adapter	Link Test	Channel Adapter	Channel Test[2]
DTX-1800	2.22	DTX-TERA[1]	ISO11801 PL max Class F	DTX-TERA[1]	ISO Class Fa Ch AMD1

Notes:

[1] The part number DTX-TERA is a kit containing (2) permanent link adapters and (2) channel adapters. DTX-PLA011 and DTX-CHA011 are intended as component replacement part numbers for permanent link and channel adapters, respectively.

[2] The limit will stop at 600 MHz as per IEC 61935-1. However, the measurement will continue to 900 MHz for Insertion Loss, ACR-F/PS ACR-F and 800 MHz for all other parameters. For more information on Class F_A testing, please reference the following link:

http://www.flukenetworks.com/fnet/en-us/supportAndDownloads/KB/Datacom+Cabling/DTX+CableAnalyzer/TERA+-+DTX+CableAnalyzer.htm