Certificate of Calibration
Fluke Nederland B.V.

Certificate Number:	SA00916984	**Date of Calibration:**	06 Jan 2021
Receive Condition:	IN TOLERANCE	**Date of Recalibration:**	06 Jan 2022
Return Condition:	IN TOLERANCE	**Place of Calibration:**	Eindhoven
Manufacturer:	FLUKE	**Temperature within:**	(23.0 ± 3) °C
Model:	DSX-602-PRO INT	**Humidity within:**	(45 ± 20) %rh
Serial Number:	19290260-19310015		
Description:	500 MHZ CABLEANALYZER PRO V2, W/WIFI		
Procedure:	Manual Procedure		

Customer:	OMIKRON INFORMATIKA KFT. BUDAPEST
Customer Asset ID:	-
RMA Number:	606256418

All measurements are traceable to national and/or international standards or have been derived by approved ratio techniques. When possible standards used for this calibration are ISO/IEC 17025 accredited calibrated.

This calibration is performed by a DEKRA certified lab for ISO 9001. This certificate may not be reproduced other than in full. Calibration certificates without signatures, either electronic or handwritten, are not valid.

Issue Date: 06 Jan 2021

Electronically signed

Authorized By

H. van Vliet

Certificate of Calibration

Certificate Number: SA00916984

Remarks

- The calibration status found in this certificate on the top of each results page must be interpreted as:

  As Found : Data collected before the unit was adjusted and / or repaired
  As Left : Data collected after the unit has been adjusted and / or repaired
  Found / Left : Data collected without any adjustment and / or repair performed

- The calibration interval (due date) is the responsibility of the end user.

- According to the European norm 'Operation of electrical installations' NEN-EN 50110-1 release 2013 and the Dutch norm NEN 3140 release 2015 paragraph 5.102.12 through 5.102.16, a safety test is not required. Therefore not performed.

- Temperature conversions (if applicable) are performed according to ISO/IEC 60584:2013 for thermocouples, and ISO/IEC 60751:2008 for resistance temperature devices.

Standards and test-equipment used

Inventory No	Model	Serial No
WP2389	DSX-CALVERST	E000060

Found-Left Report

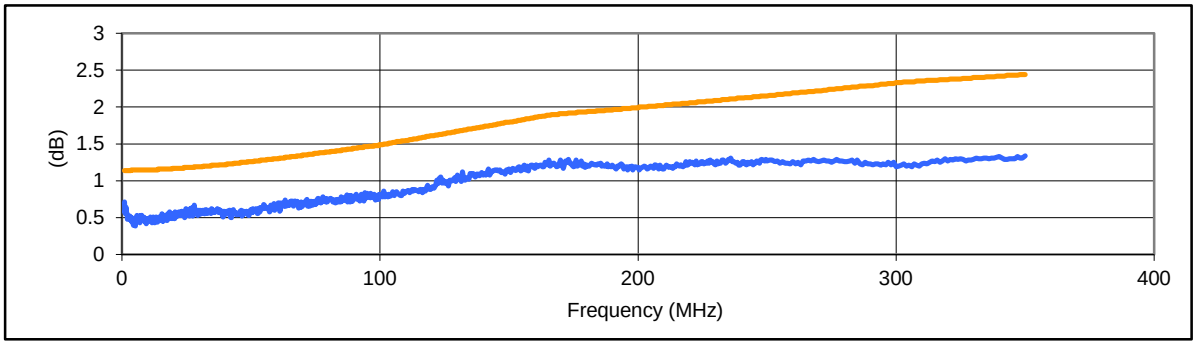
Model **DSX-600 Copper Tester**

Serial Number **19290260**

Test date 6-Jan-21

NEXT

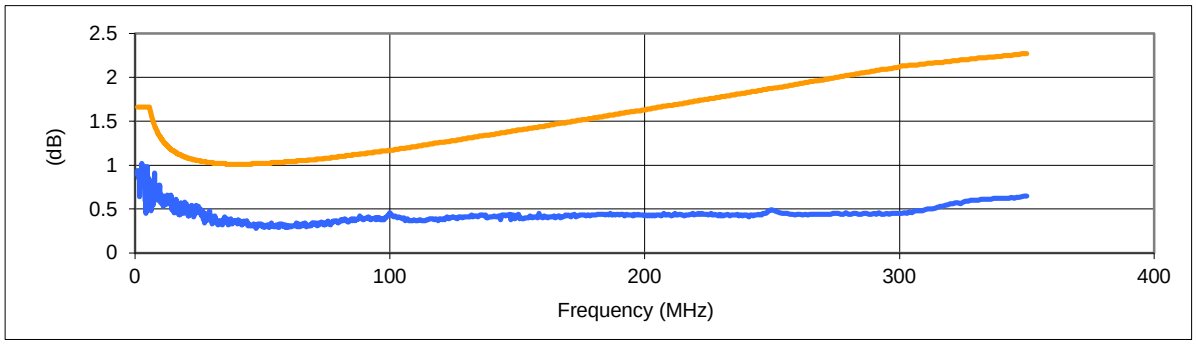
NEXT Artifact SN 2820039



Pass Worst margin: 0.430 at 1 MHz in pair 36-12. Worst accuracy at each frequency shown.

CDNEXT

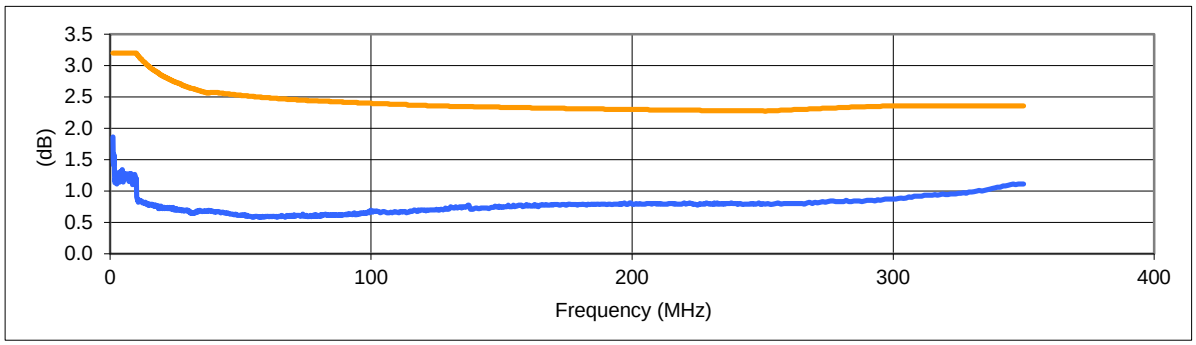
CDNEXT Artifact SN 2856301



Pass Worst margin: 0.510 at 19.5 MHz in pair 45-78. Worst accuracy at each frequency shown.

CMRL

CMDMRL Artifact SN 2843453



Pass Worst margin: 1.250 at 346 MHz in pair 36. Worst accuracy at each frequency shown.

Measured difference of DSX and reference laboratory equipment added to measurement accuracy of reference laboratory equipment. Worst accuracy at each frequency shown.

Corresponding measurement accuracy requirement for nominally compliant Level IV or Level 2G/VI field tester.

Found-Left Report

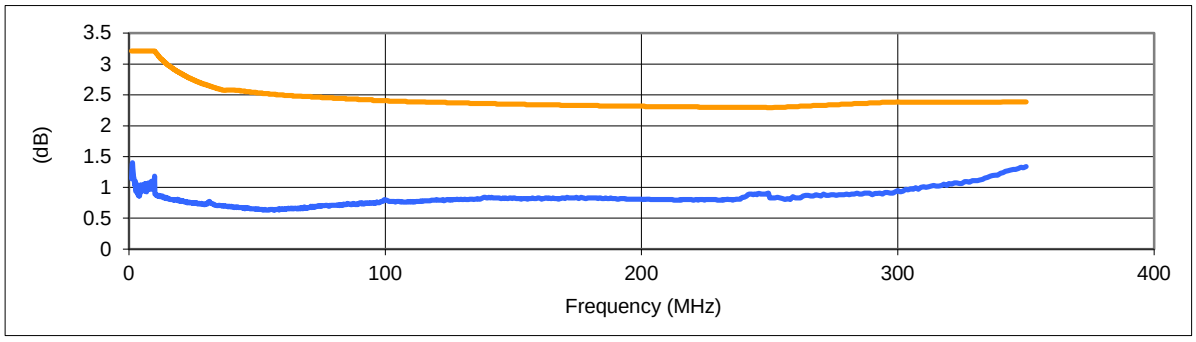
Model **DSX-600 Copper Tester**

Serial Number **19290260**

Test date 6-Jan-21

RL

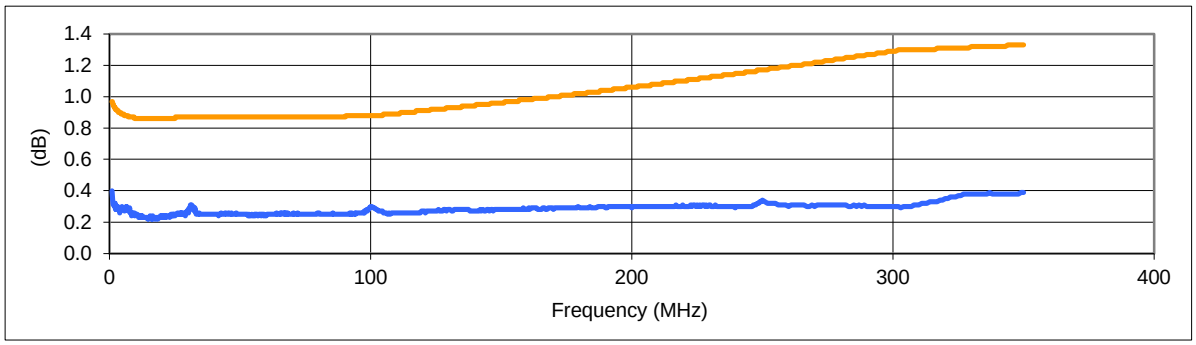
CMDMRL Artifact SN 2843453



Pass Worst margin: 1.050 at 350 MHz in pair 45. Worst accuracy at each frequency shown.

TCL

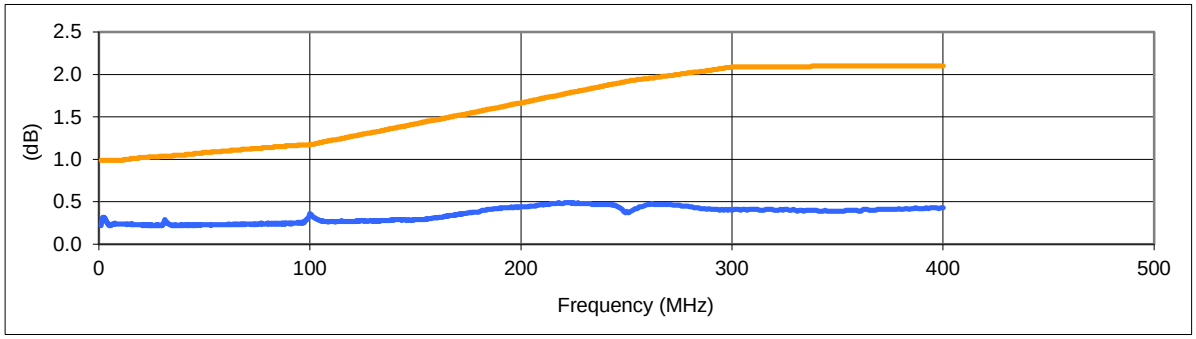
TCL Artifact SN 2843449



Pass Worst margin: 0.560 at 31 MHz in pair 78. Worst accuracy at each frequency shown.

IL

ILFEXT Artifact SN 2856318



Pass Worst margin: 0.670 at 1.88 MHz in pair 36. Worst accuracy at each frequency shown.

Measured difference of DSX and reference laboratory equipment added to measurement accuracy of reference laboratory equipment. Worst accuracy at each frequency shown.

Corresponding measurement accuracy requirement for nominally compliant Level IV or Level 2G/VI field tester.

Found-Left Report

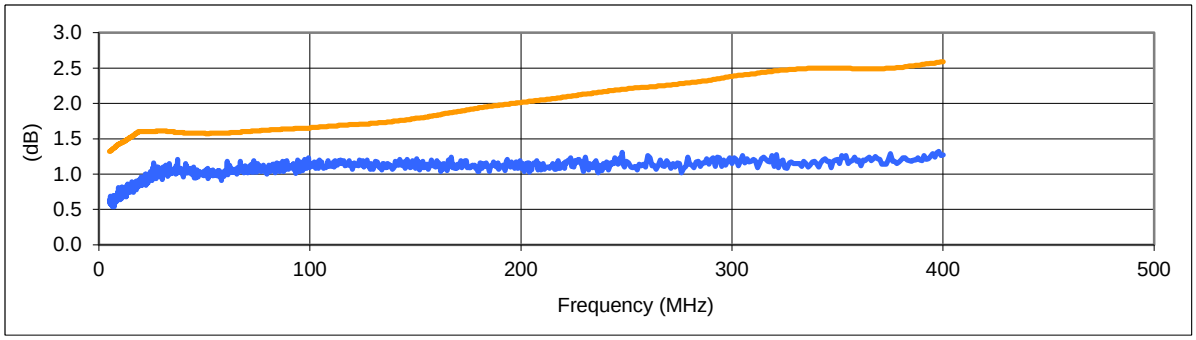
Model **DSX-600 Copper Tester**

Serial Number **19290260**

Test date 6-Jan-21

FEXT

ILFEXT Artifact SN 2856318



Pass Worst margin: 0.380 at 37.25 MHz in pair 78-45. Worst accuracy at each frequency shown.

Measured difference of DSX and reference laboratory equipment added to measurement accuracy of reference laboratory equipment. Worst accuracy at each frequency shown.

Corresponding measurement accuracy requirement for nominally compliant Level IV or Level 2G/VI field tester.

Loop Resistance

Loop Resistance Artifact SN 2860459

	Measured	Expected	Limit	
Resistance on pair 12	0.19	0.00	0.80	Pass
Resistance on pair 36	49.98	49.80	0.60	Pass
Resistance on pair 45	100.09	99.80	1.60	Pass
Resistance on pair 78	453.30	453.00	4.00	Pass

Resistance imbalance

Resistance Unbalance Artifact SN 2860571

	Measured	Expected	Limit	
Resistance on pair 12	0.26	0.00	0.80	Pass
Resistance on pair 36	25.16	24.90	0.90	Pass
Resistance on pair 45	12.35	12.13	0.90	Pass
Resistance on pair 78	24.34	24.05	0.90	Pass
Resistance imbalance on pair 12	0.00	0.00	0.05	Pass
Resistance imbalance on pair 36	0.01	0.00	0.13	Pass
Resistance imbalance on pair 45	0.33	0.32	0.06	Pass
Resistance imbalance on pair 78	0.84	0.85	0.12	Pass

DSX-8000 only: M_IL and M_FEXT measurements validate the ability of the DSX-8000 to make measurements with DSX-5000 adapters.

M IL

Not applicable

M FEXT

Not applicable

Test Program TFSTest v2.5.7025

DSX Report Form v3.05 18-May-2017

Found-Left Report

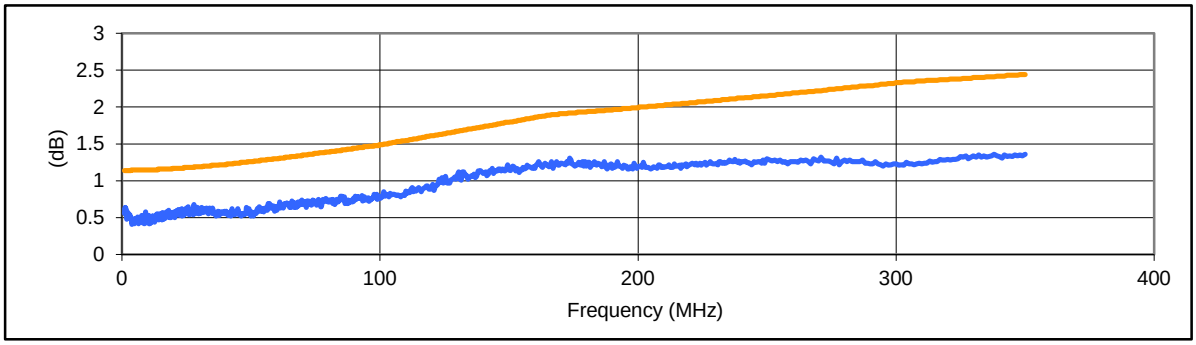
Model **DSX-600 Copper Tester**

Serial Number **19310015**

Test date 6-Jan-21

NEXT

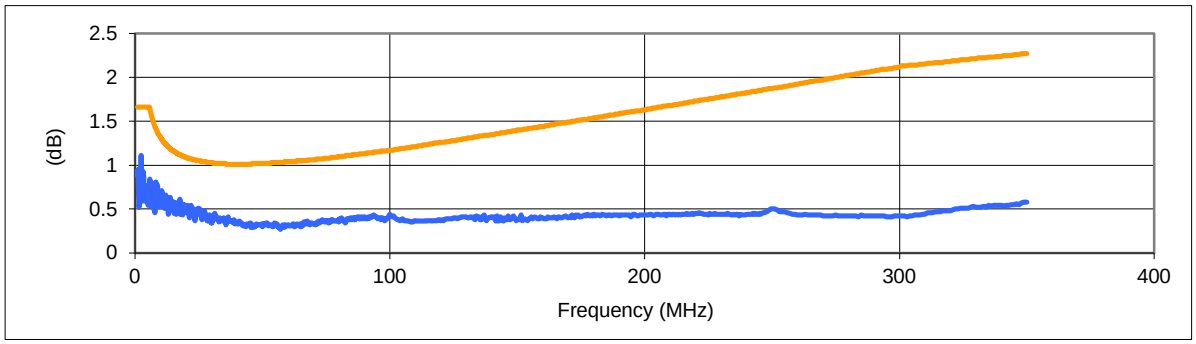
NEXT Artifact SN 2820039



Pass Worst margin: 0.500 at 27.88 MHz in pair 12-36. Worst accuracy at each frequency shown.

CDNEXT

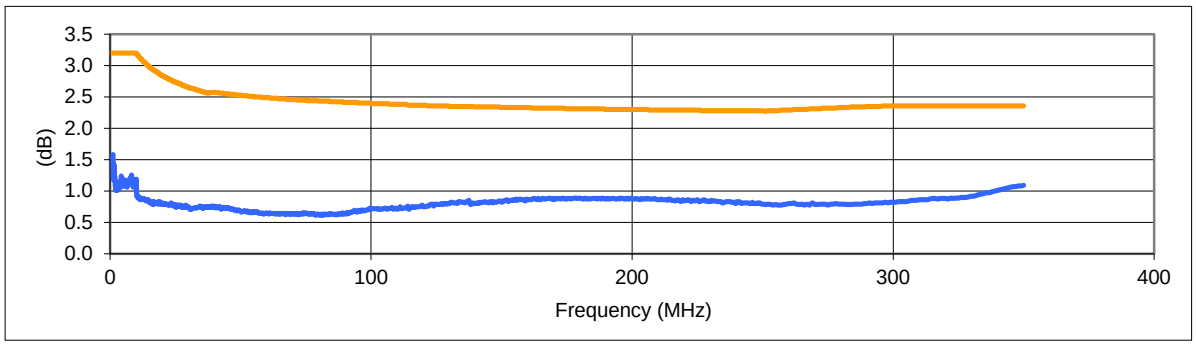
CDNEXT Artifact SN 2856301



Pass Worst margin: 0.510 at 17.5 MHz in pair 45-78. Worst accuracy at each frequency shown.

CMRL

CMDMRL Artifact SN 2843453



Pass Worst margin: 1.270 at 350 MHz in pair 36. Worst accuracy at each frequency shown.

Measured difference of DSX and reference laboratory equipment added to measurement accuracy of reference laboratory equipment. Worst accuracy at each frequency shown.

Corresponding measurement accuracy requirement for nominally compliant Level IV or Level 2G/VI field tester.

Found-Left Report

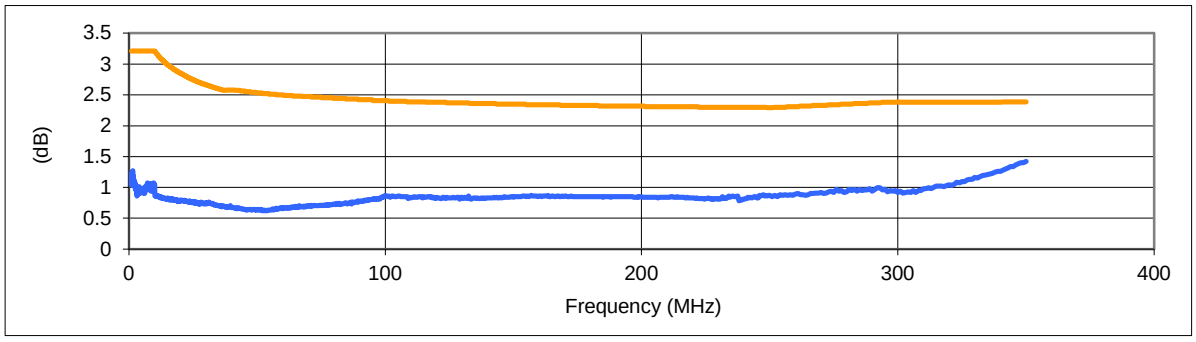
Model **DSX-600 Copper Tester**

Serial Number **19310015**

Test date 6-Jan-21

RL

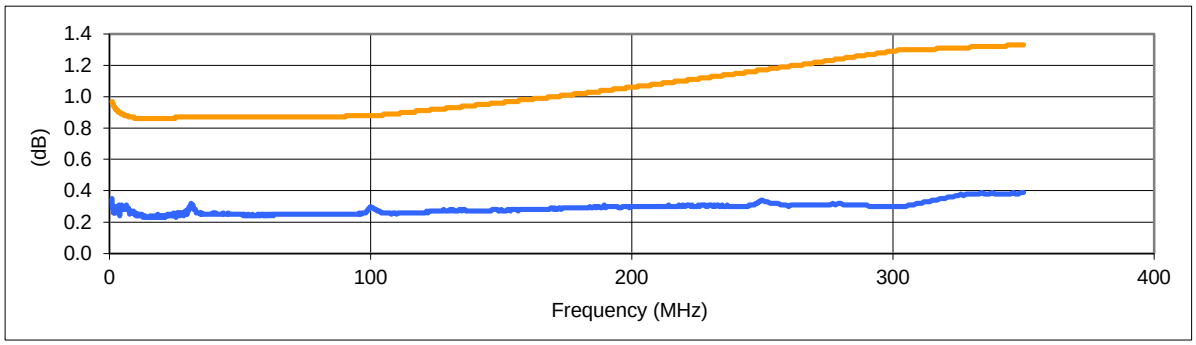
CMDMRL Artifact SN 2843453



Pass Worst margin: 0.970 at 350 MHz in pair 12. Worst accuracy at each frequency shown.

TCL

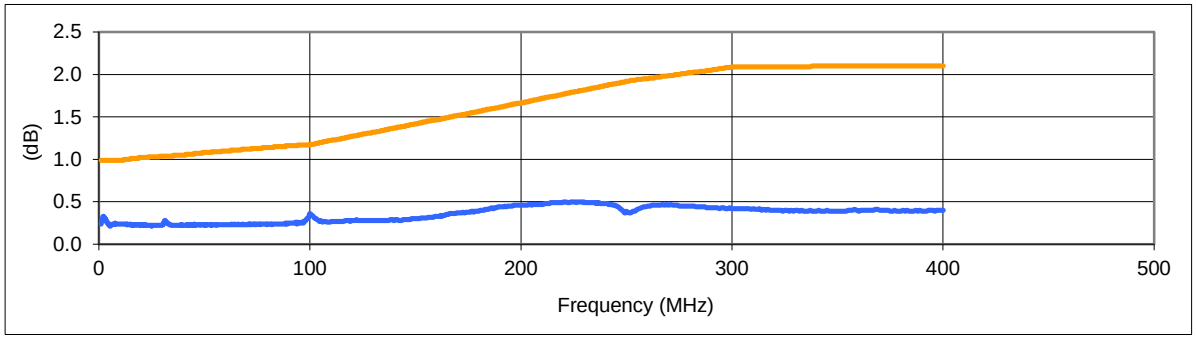
TCL Artifact SN 2843449



Pass Worst margin: 0.550 at 31.25 MHz in pair 78. Worst accuracy at each frequency shown.

IL

ILFEXT Artifact SN 2856318



Pass Worst margin: 0.660 at 1.88 MHz in pair 12. Worst accuracy at each frequency shown.

Measured difference of DSX and reference laboratory equipment added to measurement accuracy of reference laboratory equipment. Worst accuracy at each frequency shown.

Corresponding measurement accuracy requirement for nominally compliant Level IV or Level 2G/VI field tester.

Found-Left Report

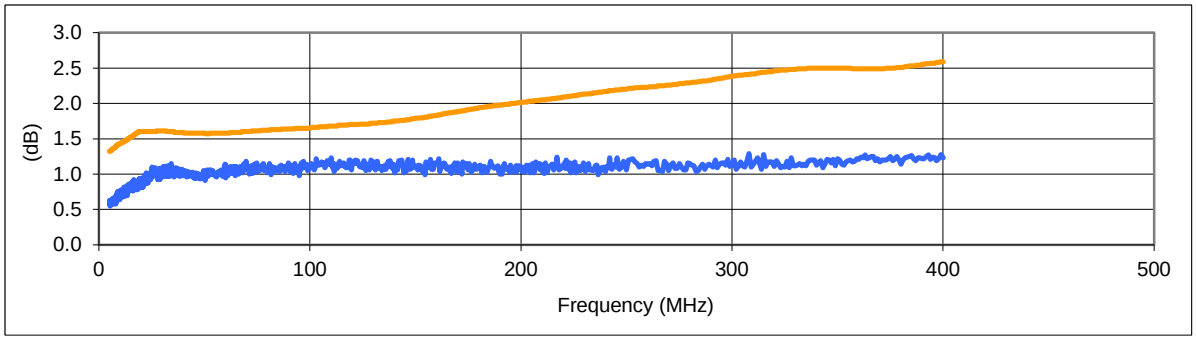
Model **DSX-600 Copper Tester**

Serial Number **19310015**

Test date 6-Jan-21

FEXT

ILFEXT Artifact SN 2856318



Pass Worst margin: 0.420 at 69.75 MHz in pair 36-12. Worst accuracy at each frequency shown.

Measured difference of DSX and reference laboratory equipment added to measurement accuracy of reference laboratory equipment. Worst accuracy at each frequency shown.

Corresponding measurement accuracy requirement for nominally compliant Level IV or Level 2G/VI field tester.

Loop Resistance

Loop Resistance Artifact SN 2860459

	Measured	Expected	Limit	
Resistance on pair 12	0.19	0.00	0.80	Pass
Resistance on pair 36	50.05	49.80	0.60	Pass
Resistance on pair 45	100.16	99.80	1.60	Pass
Resistance on pair 78	453.22	453.00	4.00	Pass

Resistance imbalance

Resistance Unbalance Artifact SN 2860571

	Measured	Expected	Limit	
Resistance on pair 12	0.19	0.00	0.80	Pass
Resistance on pair 36	25.12	24.90	0.90	Pass
Resistance on pair 45	12.35	12.13	0.90	Pass
Resistance on pair 78	24.23	24.05	0.90	Pass
Resistance imbalance on pair 12	0.01	0.00	0.05	Pass
Resistance imbalance on pair 36	0.01	0.00	0.13	Pass
Resistance imbalance on pair 45	0.32	0.32	0.06	Pass
Resistance imbalance on pair 78	0.85	0.85	0.12	Pass

DSX-8000 only: M_IL and M_FEXT measurements validate the ability of the DSX-8000 to make measurements with DSX-5000 adapters.

M IL

Not applicable

M FEXT

Not applicable

Test Program TFSTest v2.5.7025

DSX Report Form v3.05 18-May-2017