

TEST REPORT
FROM
SIEMIC

For
TLST RFID Module
To
47 CFR 15.225(e)

Test Report Serial No.:
SL05062603-XRX-004B

This report supersedes none

Remarks:

Equipment complied with the specification [X]
Equipment did not comply with the specification []

This Test Report is Issued Under the Authority of:



.....
Tested by: Alvin Ilarina, Test Engineer



.....
Reviewed by: Leslie Bai, Lab Manager

Issue date: 31 October 2005

Equipment Details:

Manufacturer: Xerox Corporation



Registration No. 783147



Industry Canada
Industrie Canada

Registration No. 4842



Lab Code: KR0032



RTA No. D23/16V



Registration No. 2195

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Executive Summary

The purpose of this test programme was to demonstrate compliance of the Xerox Corporation, TLST RFID Module against the current 47 CFR 15.225(e). The TLST RFID Module demonstrated compliance with the 47 CFR 15.225(e).

Xerox Corporation is the applicant and claimed manufacturer of this tested product. For the detailed description of this product, please refer to the TLST RFID Module User Manual.

The test has demonstrated that this unit complies with stipulated standards.



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1 Technical Details

Purpose	Compliance testing of TLST RFID Module with 47 CFR 15.225(e)
Applicant / Client	Xerox Corporation 800 Salt Road Webster, NY 14580
Manufacturer	Xerox Corporation
Laboratory performing the tests	SIEMIC Labs 2206 Ringwood Avenue San Jose, CA 95131
Test location(s)	SIEMIC Labs 2206 Ringwood Avenue San Jose, CA 95131
Test report reference number	SL05062603-XRX-004B
Date EUT received	31 October 2005
Standard applied	47 CFR 15.225(e)
Dates of test (from – to)	31 October 2005 to 31 October 2005
No of Units:	1
Equipment Category:	DXX
Trade/Product Name:	TLST RFID Module
Type/Model Name/No:	TLST RFID Module
Technical Variants:	none
FCC ID No.	LD7TLST



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2 Tests Required

The product was tested in accordance with the following specifications.
The test results recorded in this Test Report are exclusively referred to the tested sample(s).

Test Standard	Description	Pass / Fail
47 CFR Part 15.225		
15.225(e)	Frequency Stability: Temperature Variations	Pass
15.225(e)	Frequency Stability: Voltage Variations	Pass

Notes: *Deviations to above standards are outlined in specific test sections if applicable.
Cable loss and external attenuation are compensated for in the measurement system when applicable.*



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3 Measurements, Examinations and Derived Results

3.1 General observations

Equipment serial number(s)		
Module:	Part number:	Serial number:
TLST RFID Module	TLST RFID Module	none



3.2 Test Results

3.2.1 Frequency Stability: Temperature Variations

Requirement(s): 47 CFR §15.225(e)

Procedure: The frequency stability was measured at the antenna terminal using a spectrum analyzer. The measurements were made using the frequency counter function of the spectrum analyzer. The temperature was varied from -30°C to +50°C at 10°C increments with suitable time allowed for temperature stability between measurements.

Results:

Temperature (°C)	Frequency (GHz)	Percent
+50	13.564965	0.0012
+40	13.565017	0.0008
+30	13.565066	0.0005
+20	13.565131	0
+10	13.565174	0.0003
0	13.565213	0.0006
-10	13.565227	0.0007
-20	13.565213	0.0006
-30	13.565187	0.0004

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Date Tested: 31 October 2005



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3.2.2 Frequency Stability: Voltage Variations

Requirement(s): 47 CFR §15.225(e)

Procedures: The frequency stability was measured at the antenna terminal using a spectrum analyzer. The measurements were made using the frequency counter function of the spectrum analyzer. The voltage was varied from +/- 15% of the nominal using a programmable power supply.

Results:

Voltage (VDC)	Frequency (GHz)	Percent
5.75	13.565209	0.0008
5	13.565106	0
4.25	13.565085	0.0002

External Power Supply

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APPENDIX A: EUT TEST CONDITIONS

The following is the description of supporting equipment and details of cables used with the EUT.

Equipment Description	Cable Description
PC Desktop	1. Power cord 2. Parallel Cord 3. Custom cable harness

EUT Description	: TLST RFID Module
Model No	: TLST RFIS Module
Serial No	: none

The following is the description of how the EUT is exercised during testing.

Test	Description Of Operation
	The EUT was controlled and monitored via parallel port interface to a support PC Desktop through a custom cable harness



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APPENDIX B: External Photos

See Attachment



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APPENDIX C: CIRCUIT/BLOCK DIAGRAMS

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APPENDIX D: Internal Photos

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APPENDIX F: PRODUCT DESCRIPTION

Detail description of this product is shown in the User's Guide.



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APPENDIX H: FCC LABEL LOCATION

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APPENDIX I: USER MANUAL

See Attachment