

TECHNOLOGIES, INC.

4675 Burr Drive • Liverpool, NY 13088 • 1-800-724-6452 • FAX: 315-457-0428 • 315-457-0245

November 11, 2014

Paul Brown **GOJO** One GOJO Plaza, Suite 500 Akron, OH 44311

Dear Mr. Brown:

Enclosed is the test report for the GOJO Sanitizer Dispenser LTX2.0 Short unit tested at our facility, located at 4675 Burr Drive in Liverpool, NY. This facility is on file with the Federal Communications Commission (FCC) per 47 CFR 2.948 (Site File Number 306552)

We have completed our testing of Emissions to the FCC per 47 CFR Part 15 Class B.

Thank you for selecting Diversified Test Technologies for your testing needs. We look forward to working with you on future projects. Should you have any questions or concerns regarding this report, contact me at 315-457-0245. Please feel free to visit our website at www.dttlab.com.

Sincerely,

Prasanna Gautam Technical Associate

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Diversified Test Technologies Test Report	
GOJO Industries	Project Number:
Sanitizer Dispenser LTX 2.0 Short unit	6491-1

#### **Test Information**

Laboratory	Manufacturer
<b>Diversified Test Technologies</b>	GOJO Industries
4675 Burr Drive	One GOJO Plaza, Suite 500
Liverpool, NY 13088	Akron, OH 443110

Report Issue Date: October 21, 2014

Report Number: 6491-1-102114-FCCB 15.249 LTX Short unit (Edition 1)

Project Number: 6491

Date Received: August 9, 2014

Date Tested: August 9, 2014 - October 21, 2014

Product: Sanitizer Dispenser Model: LTX2.0 Short unit

#### FCC ID: 076-T4SG0910A

Traceability: Reference standards of measurement have been calibrated by a competent body using standards traceable to NIST.

The testing performed by DTT has shown that the product referenced above complies with the electromagnetic compatibility requirements according to the FCC per 47 CFR Part

15.249. The results in this test report apply only to the GOJO LTX2.0 Sanitizer Dispenser Short unit.

It is the responsibility of the manufacturer to ensure that the product identification and labeling are in compliance with the applicable standards requirements. The manufacturer is also responsible for ensuring that additional units are manufactured with identical mechanical and electrical characteristics.

The equipment listed above conforms to the specified requirements of the test standards listed in the Test Regulations section of this report.

Compiled by:

Signature:

Prasanna Gautam Technical Associate

October 21, 2014 Date:

Reviewed by:

Signature:

Steve Frierson

Annelle Frierson Vice-President

October 21, 2014 Date:

Technical Lab Manager

Authorized by:

Signature:

Date:

October 21, 2014

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## Test Regulations

The tests were performed according to the following standards:

FCC Part 15.249	Class A	⊠ Class B
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## Equipment under Test (EUT) Testing Operation Mode

The EUT was operated under the following conditions during testing:
Standby
Normal Operating Mode
Practice Operation
Description / Configuration of the EUT:
Sanitizer Dispenser LTX2.0 Short unit
The EUT was powered with 6 V Batteries during the collection of data included within this report.
Rationale for EUT setup / configuration:
ANSI C63.4-2009
Modifications:
None
Deviations from test method:
None

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### Test Results

Radiated Emissions 8MHz - 1000MHz

The requirements are  $\square$  MET  $\square$  NOT MET

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## Test Setup Photographs

### Radiated Emission 8MHz-30MHz



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### Radiated Emission 30MHz-200MHz



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### Radiated Emissions 200MHz-1000MHz



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### **Emissions Testing Conditions**

#### Radiated Emissions

The Radiated Emissions measurements, in the frequency range of 8MHz to 1000 MHz, were tested in a horizontal and vertical polarization at the following test location:
<ul><li>☑ Diversified Test Technologies open area Test Site</li><li>☑ Diversified Test Technologies. Lab</li></ul>
At a test distance of:
<ul> <li>☐ 1 meter</li> <li>☐ 3 meters</li> <li>☐ 10 meters</li> <li>☐ 30 meters</li> </ul>

Measurements from 8MHz to 30 MHz were made at a test distance of 1 Meter Measurements from 30MHz to 1 GHz were made at a test distance of 3 Meters

DTT uses automated data reductions to determine product compliance to Radiated Emissions regulations. The product's signal data is compared to a current ambient scan. The frequencies that are of significant amplitude are sorted and are brought out to be further analyzed and maximized.

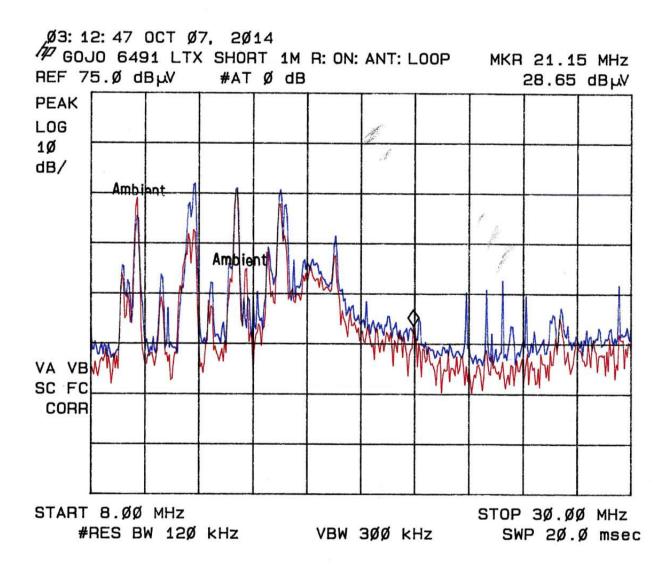
#### **Test equipment used:**

Manufacturer	Model	Description	Serial #	Cal Due Date
Hewlett Packard	8596E	Spectrum Analyzer	3235A00144	05/16/15
EMCO	6502	Active Loop Antenna	9110-2685	11/05/15
Electro-Metrics	BIA25	Biconical Antenna, 30-200 MHz	001	10/29/15
Electro-Metrics	LPA25	Log Periodic Antenna	1242	07/08/15
Hewlett Packard	7550A	Plotter	2407A00476	
		Co-ax cable, 100 ft. RG 8/U		
		Wooden test fixture with an electric motor.		
		Non-conductive wooden turntable		
	MFR- 57500	Blue Low Loss Cable	337	
		10-meter open field test range, grounded with 1/4" x 1/4" hardware cloth		

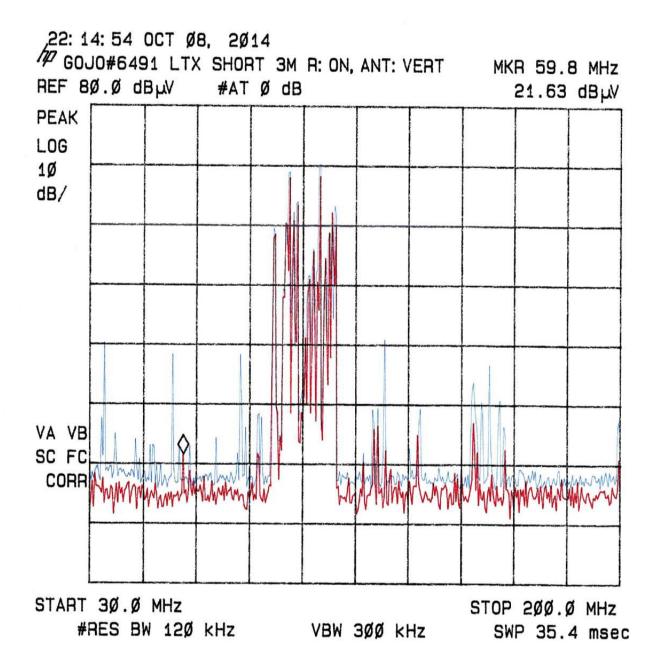
NOTE: Calibration interval 1 year for the test equipment

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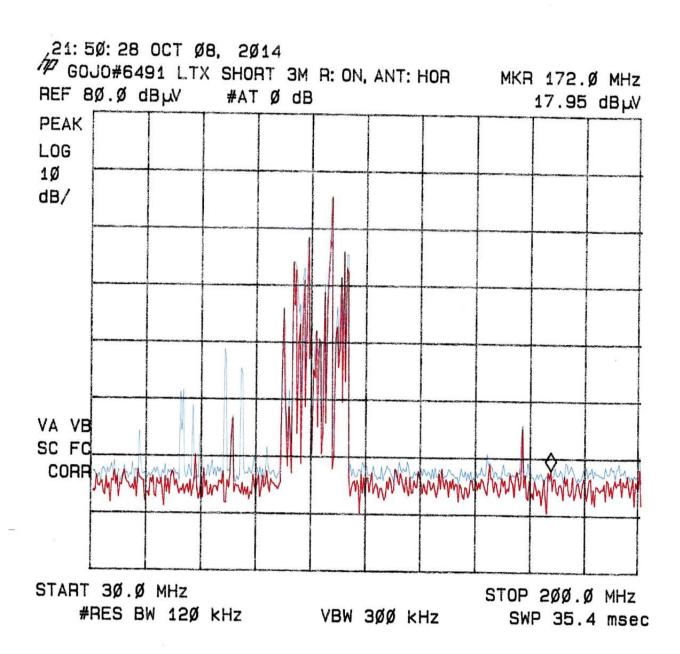
#### Radiated Emissions Test Data



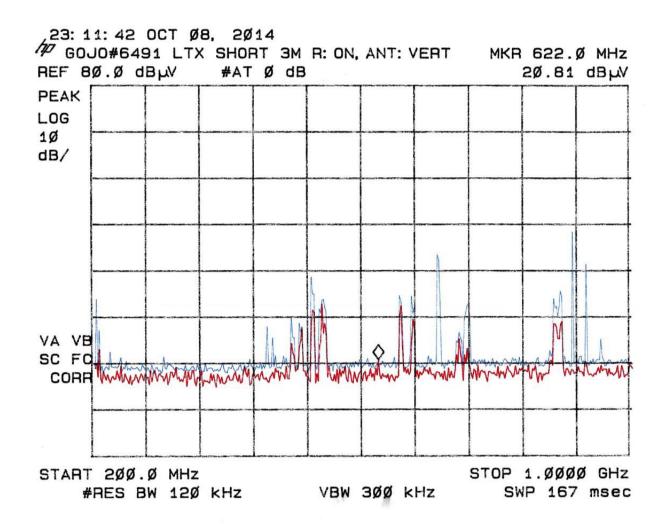
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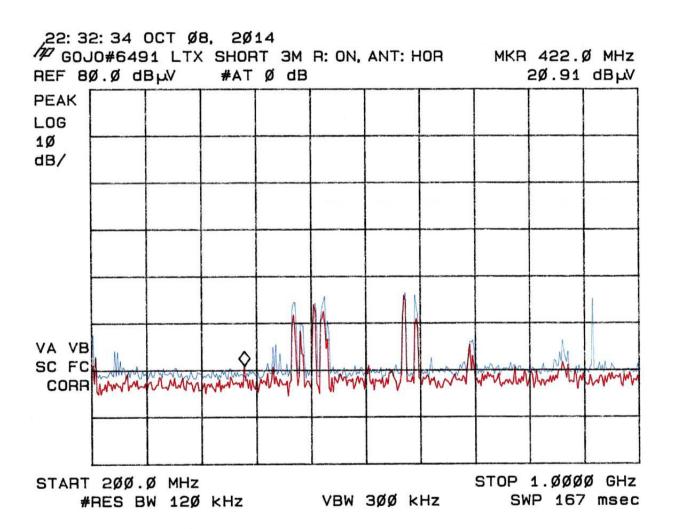
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# **Certificate of Conformity**

Diversific	and finds that the prod	ave tested the product to the current appropriate sta duct is in compliance with those requirements.	andards
Rul	es and Regulations:	e of Federal Regulations Part 15 – Electromagı	netic
Star	· · · · · · · · · · · · · · · · · · ·	ethods of Measurement of Radio-Noise Voltage Electrical Equipment in the GHz.	
S		t of Information Technology Equipment (ITE)	
	rer's Name: rer's Address:	GOJO Industries One GOJO Plaza, Suite 500 Akron, OH 44311	
Product: Model Number:		Sanitizer Dispenser LTX2.0 Short unit	
	icate of Compliance issu	ed October 22, 2014 is valid for the test sample conforms to the Directive(s) and Standard(s).	of the
Signature:	Annelle Frierson Vice President RF Solutions, LLC. 4675 Burr Drive Liverpool, NY 13088 Phone: 315-457-0245 Fax: 315-457-0428		