



**Reach Technology, Inc**

**50-0003-02, SLCD6-5.7 and 50-0003-02, SLCD6-4.0**

**Report #: REAC0004 Rev 01**



**Report Prepared By Northwest EMC Inc.**

**NORTHWEST EMC - (888) 364-2378 - [www.NWEMC.com](http://www.NWEMC.com)**

**Oregon**

22975 NW Evergreen Pkwy  
Suite 400  
Hillsboro, OR 97124

**California**

41 Tesla  
Irvine, CA 92618

**Washington**

14128 339th Ave. SE  
Sultan, WA 98294

**New York**

4939 Jordan Rd.  
Elbridge, NY 13060



# Certificate of Test

Issue Date: Tuesday, October 14, 2008



Reach Technology, Inc  
50-0003-02, SLCD6-5.7 and 50-0003-02, SLCD6-4.0

NVLAP LAB CODE 200630-0

## Emissions

Test Description	Specification	Test Method	Pass / Fail
Radiated Emissions	AS/NZS CISPR 22:2006 Class A	AS/NZS CISPR 22:2006	Pass
Radiated Emissions	EN 55022: 2006 Class A	CISPR 22:2005 (Amended by A1:2005 and A2:2006)	Pass
Radiated Emissions	FCC 15.109(g) (CISPR 22:1997):2007 Class A	ANSI C63.4:2003	Pass
Radiated Emissions	ICES-003:2004 Class A	CISPR 22:2005 (Amended by A1:2005 and A2:2006)	Pass
Radiated Emissions	VCCI:2007-04 Class A	VCCI:2007-04	Pass

## Immunity

Test Description	Specification	Test Method	Performance Criterion
ESD	EN 55024:1998 (Amended by A1:2001 and A2:2003)	IEC 61000-4-2:2001	1
Radiated Immunity	EN 55024:1998 (Amended by A1:2001 and A2:2003)	IEC 61000-4-3:2006 (Amended by A1:2007)	1
EFT	EN 55024:1998 (Amended by A1:2001 and A2:2003)	IEC 61000-4-4:2004	1
Conducted Immunity	EN 55024:1998 (Amended by A1:2001 and A2:2003)	IEC 61000-4-6:2006	1

For an explanation of performance criteria, see details on data sheets, and the detailed performance section of the test report.

## Deviations From Test Standards

None

Product compliance is the responsibility of the client, therefore the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. This Report may only be duplicated in its entirety. The results of this test pertain only to the sample(s) tested. The specific description is noted in each of the individual sections of the test report supporting this certificate of test.

## Approved By:

Dave Tolman, Software/QA Manager

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government of the United States of America.

## Test Scope

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These tests were selected to satisfy the EMC requirements requested by the client.

## Client Responsibility

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Product compliance is the responsibility of the client. The client, prior to testing, specified all the modes, settings, and configurations. Furthermore the client requested the specifications to be applied during the test.

Proper labeling of the product and its packaging is the responsibility of the client. Additional information may be needed in the User Manual. In some cases, a Declaration of Conformity is required. Information to be supplied with the product is an essential part of regulatory compliance.

The client is also responsible for the continuing compliance of the product. Variations in the product due to mass production, alternate parts, or changes to the design must be evaluated by the client. In some cases, this may require a partial or complete retest. At a minimum, any changes to the product must be documented with some discussion or review of product compliance.

## Measurement Uncertainty

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Measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" or theoretically correct value. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4. In the case of transient tests our test equipment has been demonstrated by calibration to provide at least a 95% confidence that it complies with the test specification requirements. The measurement uncertainty for any test is available upon request.



# Revision History

Revision Number	Description	Date	Page Number
0	Initial Report	10/14/2008	n/a
01	Replaced the Radiated Emissions data.	10/22/2008	13-16

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## FCC

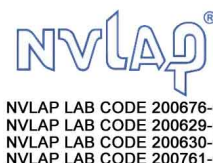
Accredited by NVLAP for performance of FCC radio, digital, and ISM device testing. Our Open Area Test Sites, certification chambers, and conducted measurement facilities have been fully described in reports filed with the FCC and accepted by the FCC in letters maintained in our files. Northwest EMC has been accredited by ANSI to ISO / IEC Guide 65 as a product certifier. We have been designated by the FCC as a Telecommunications Certification Body (TCB). This allows Northwest EMC to certify transmitters to FCC specifications in accordance with 47 CFR 2.960 and 2.962.



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## NVLAP

Northwest EMC, Inc. is accredited under the United States Department of Commerce, National Institute of Standards and Technology, and National Voluntary Laboratory Accreditation Program for satisfactory compliance with the requirements of ISO/IEC 17025 for Testing Laboratories. The NVLAP accreditation encompasses Electromagnetic Compatibility Testing in accordance with the European Union EMC Directive 2004/108/EC, and ANSI C63.4. Additionally, Northwest EMC is accredited by NVLAP to perform radio testing in accordance with the European Union R&TTE Directive 1999/5/EEC, the requirements of FCC, and the RSS radio standards for Industry Canada.



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## Industry Canada

Accredited by NVLAP for performance of Industry Canada RSS and ICES testing. Our Open Area Test Sites and certification chambers comply with RSS 212, Issue 1 (Provisional) and have been filed with Industry Canada and accepted. Northwest EMC has been accredited by ANSI to ISO / IEC Guide 65 as a product certifier. We have been designated by NIST and recognized by Industry Canada as a Certification Body (CB) per the APEC Mutual Recognition Arrangement (MRA). This allows Northwest EMC to certify transmitters to Industry Canada technical requirements.



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## CAB

Designated by NIST and validated by the European Commission as a Conformity Assessment Body (CAB) to conduct tests and approve products to the EMC directive and transmitters to the R&TTE directive, as described in the U.S. - EU Mutual Recognition Agreement.



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## TÜV Product Service

Included in TÜV Product Service Group's Listing of Recognized Laboratories. It qualifies in connection with the TÜV Certification after Recognition of Agent's Testing Program for the product categories and/or standards shown in TÜV's current Listing of CARAT Laboratories, available from TÜV. A certificate was issued to represent that this laboratory continues to meet TÜV's CARAT Program requirements. Certificate No. USA0604C.



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## TÜV Rheinland

Authorized to carryout EMC tests by order and under supervision of TÜV Rheinland. This authorization is based on "Conditions for EMC-Subcontractors" of November 1992.



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## NEMKO

Assessed and accredited by NEMKO (Norwegian testing and certification body) for European emissions and immunity testing. As a result of NEMKO's laboratory assessment, they will accept test results from Northwest EMC, Inc. for product certification (Authorization No. ELA 119).



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## Australia/New Zealand

The National Association of Testing Authorities (NATA), Australia has been appointed by the ACA as an accreditation body to accredit test laboratories and competent bodies for EMC standards. Accredited test reports or assessments by competent bodies must carry the NATA logo. Test reports made by an overseas laboratory that has been accredited for the relevant standards by an overseas accreditation body that has a Mutual Recognition Agreement (MRA) with NATA are also accepted as technical grounds for product conformity. The report should be endorsed with the respective logo of the accreditation body (NVLAP).



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## VCCI

Accepted as an Associate Member to the VCCI, Acceptance No. 564. Conducted and radiated measurement facilities have been registered in accordance with Regulations for Voluntary Control Measures, Article 8. (Registration Numbers. - Hillsboro: C-1071, R-1025, C-2687, T-289, and R-2318, Irvine: R-1943, C-2766, and T-298, Sultan: R-871, C-1784, and T-294).



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## BSMI

Northwest EMC has been designated by NIST and validated by C-Taipei (BSMI) as a CAB to conduct tests as described in the APEC Mutual Recognition Agreement. License No.SL2-IN-E-1017.



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## GOST

Northwest EMC, Inc. has been assessed and accredited by the Russian Certification bodies Certinform VNIINMASH, CERTINFO, SAMTES, and Federal CHEC, to perform EMC and Hygienic testing for Information Technology Products. As a result of their laboratory assessment, they will accept test results from Northwest EMC, Inc. for product certification.



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## MIC

Northwest EMC, Inc is a CAB designated by MRA partners and recognized by Korea. (Assigned Lab Numbers: Hillsboro: US0017, Irvine: US0158, Sultan: US0157)



## Understanding Performance Criteria and Conformity Decisions

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It is the responsibility of the test laboratory to observe the results of the tests that are performed and to accurately report those results. As the responsible party (manufacturer, importer, etc) it is your responsibility to take those results, compare them against the specifications and standards, then, if appropriate make a declaration of conformity. As the responsible party it makes sense that you are fully aware of the requirements, how your device performs when tested to those requirements, and what information is being used to declare conformity.

To better assist you in making those conformity decisions, Northwest EMC has adopted a very simple, yet very clear performance assessment procedure. The following criteria is used when performing immunity or susceptibility tests:

### Performance Criteria 1:

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The EUT exhibited no change in performance when operating as specified by the manufacturer. In this case no changes were observed during the test.

In most cases this would be equivalent to Performance Criteria A. When operating the equipment in the modes or configurations specified by the responsible party, monitoring the parameters specified, no changes were observed. Basically nothing happened.

### Performance Criteria 2:

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The EUT exhibited a change in performance when operating as specified by the manufacturer. In this case the equipment recovered without any operator intervention, once the test signal was removed. The data sheets will detail the exact phenomena observed.

In most cases this would be equivalent to Performance Criteria B. When operating the equipment in the modes or configurations specified by the responsible party, monitoring the parameters specified, changes were observed. The EUT was able to recover from those changes without any operator intervention, once the test signal was removed.

### Performance Criteria 3:

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The EUT exhibited a change in performance when operating as specified by the manufacturer. In this case the equipment required some operator intervention in order to recover. This intervention may be in the form of changing EUT settings, or even resetting the system. The data sheets will detail the exact phenomena observed.

In most cases this would be equivalent to Performance Criteria C. When operating the equipment in the modes or configurations specified by the responsible party, monitoring the parameters specified, changes were observed. The EUT required some sort of operator intervention to recover. There was no permanent damage and the EUT appeared to function normally after completion of test.

### Performance Criteria 4:

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The EUT exhibited a change in performance when operating as specified by the manufacturer. In this case the equipment was damaged and would not recover. The data sheets will detail the exact phenomena observed.

In most cases there is no specific criterion to compare this to; it typically ends the test. When operating the equipment in the modes or configurations specified by the responsible party, monitoring the parameters specified, changes were observed. There was no recovery; the equipment would no longer function as intended.

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## Conducted Immunity

Using the mode of operation and configuration noted within this report, a Conducted RF Immunity test was performed. The source of disturbance covered by the standard is basically an electromagnetic field, coming from intended RF transmitters, that may act on the whole length of cables connected to an installed equipment. The dimensions of the disturbed equipment, mostly a sub-part of a larger system, are assumed to be small compared with the wavelengths involved. The ingoing and outgoing leads: e.g. mains, communication lines, and interface cables, behave as passive receiving antenna networks because they can be several wavelengths long. The use of coupling and decoupling devices to apply the disturbing signal to one cable at a time, while keeping all other cables non-excited, can only approximate the real situation where disturbing sources act on all cables simultaneously, with a range of different amplitudes and phases. Coupling and decoupling devices are defined by their characteristics. Any coupling and decoupling device fulfilling these characteristics can be used.

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## Radiated Immunity

Using the mode of operation and configuration noted within this report, a Radiated RF Immunity test was performed according to EN61000-4-3. The EUT was tested with the transmit antenna placed approximately (3) meters from the surfaces of the EUT. The field was first established with no EUT present then maintained at the specified level. If an error is detected, the field strength may have been reduced to a level in which the error disappeared. This would be determined as the threshold of susceptibility. The test was conducted using horizontal and vertical antenna orientations.

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## EFT

Using the mode of operation and configuration noted within this report, an EFT/Burst Immunity test was performed. The test is intended to demonstrate the immunity of electrical and electronic equipment when subjected to types of transient disturbances such as those originating from switching transients (interruption of inductive loads, relay contact bounce, etc.). The repetitive fast transient test is a test with bursts consisting of a number of fast transients, coupled into power supply, control and signal ports of electrical and electronic equipment. Significant for the test is short rise time, the repetition rate and the low energy of the transients.

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## ESD

Using the mode of operation and configuration noted within this report, an ESD Immunity test was performed. The EUT was tested using air and contact discharges. The specified number of air discharges was applied to each of the non-conductive surfaces of the EUT as listed in the data sheet. The specified number of contact discharges was applied to each of the conductive surfaces, seams, and control surfaces of the EUT as listed in the data sheet. If a response is detected after discharge, the type of response, discharge level and location are noted. Testing was conducted with the EUT fully cabled. Discharges were made to the connector shells, not to the individual conductors.





# Northwest EMC Locations

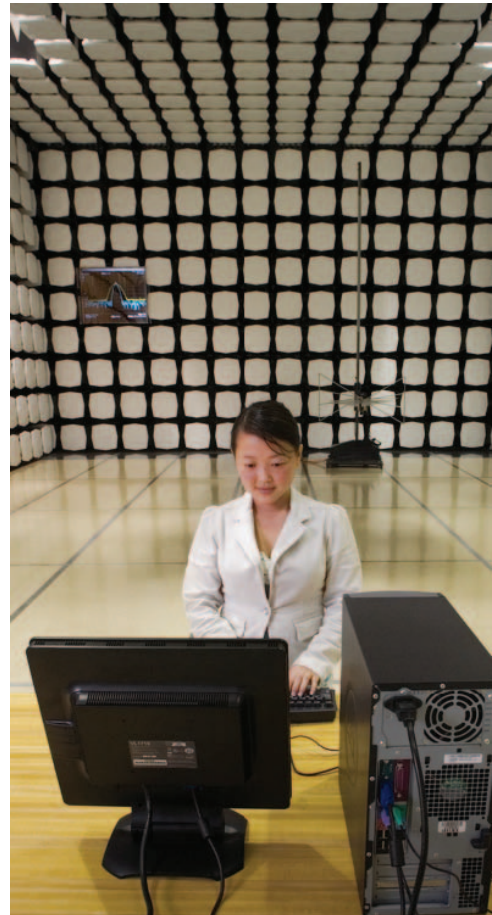
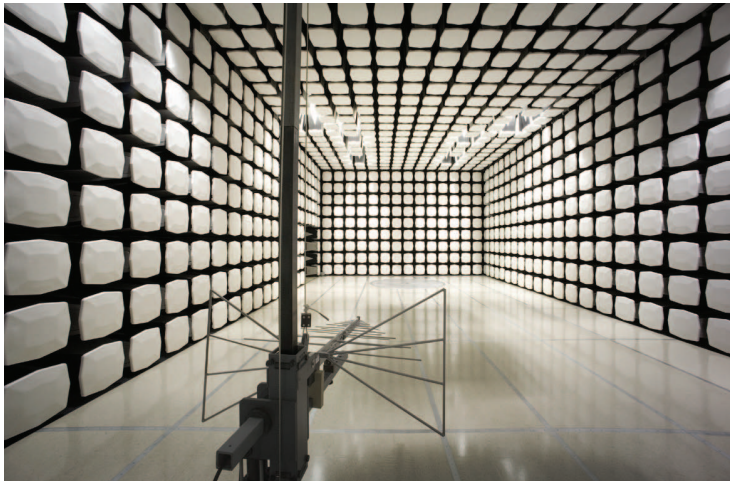


Oregon  
 Labs EV01- EV12  
 22975 NW Evergreen Pkwy  
 Suite 400  
 Hillsboro, OR 97124  
 (503) 844-4066

California  
 Labs OC01 - OC13  
 41 Tesla  
 Irvine, CA 92618  
 (949) 861-8918

Washington  
 Labs SU01- SU07  
 14128 339th Ave. SE  
 Sultan, WA 98294  
 (360) 793-8675

New York  
 Labs WA01-WA04  
 4939 Jordan Rd.  
 Elbridge, NY 13060  
 (315) 685-0796



## Client and Equipment Under Test (EUT) Information

Company Name:	Reach Technology, Inc
Address:	155 B Avenue, Suite 200
City, State, Zip:	Lake Oswego, OR 97034
Test Requested By:	Jonathan More
Model:	50-0003-02, SLCD6-5.7 and 50-0003-02, SLCD6-4.0
First Date of Test:	Thursday, October 02, 2008
Last Date of Test:	Wednesday, October 08, 2008
Receipt Date of Samples:	Wednesday, August 27, 2008
Equipment Design Stage:	Production
Equipment Condition:	No Damage

### Functional Description of the Equipment Under Test (EUT)

### EUT Photo(s)





# Configurations

## Configuration 1 - REAC0004

EUT			
Description	Model/Part Number	Serial Number	Manufacturer
Interface panel	SLCD6 4.0	001041	Reach Technology, Inc.

Remote Equipment Outside of Test Setup Boundary			
Description	Model/Part Number	Serial Number	Manufacturer
Remote panel	42-0062-11	None	Reach Technology, Inc.
DC Power supply	EPA-121DA-12	None	CUI Inc.

Cables					
Cable Type	Shield	Ferrite	Length (m)	Connection 1	Connection 2
RS-232 cable	Yes	No	6.0m	Interface panel	Remote panel
DC Power	No	Yes	1.8m	Interface panel	DC Power supply
AC Mains	PA	PA	1.8m	AC Mains	DC Power supply

PA = Cable is permanently attached to the device. Shielding and/or presence of ferrite may be unknown.

## Configuration 2 - REAC0004

EUT			
Description	Model/Part Number	Serial Number	Manufacturer
Interface panel	SLCD6 5.7	001001	Reach Technology, Inc.

Remote Equipment Outside of Test Setup Boundary			
Description	Model/Part Number	Serial Number	Manufacturer
Remote panel	42-0062-11	None	Reach Technology, Inc.
DC Power supply	EPA-121DA-12	None	CUI Inc.

Cables					
Cable Type	Shield	Ferrite	Length (m)	Connection 1	Connection 2
RS-232 cable	Yes	No	6.0m	Interface panel	Remote panel
DC Power	No	Yes	1.8m	Interface panel	DC Power supply
AC Mains	PA	PA	1.8m	AC Mains	DC Power supply

PA = Cable is permanently attached to the device. Shielding and/or presence of ferrite may be unknown.



# Modifications

## Equipment Modifications

Date	Work Order	Test	Modification	Note	Disposition of EUT
10/2/2008	REAC0004	Radiated Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
10/6/2008	REAC0004	EFT	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
10/6/2008	REAC0004	ESD	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
10/7/2008	REAC0004	Radiated Immunity	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
10/8/2008	REAC0004	Conducted Immunity	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
10/8/2008	REAC0004	Radiated Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.

## Modes of Operation

Self demo

## Power Setting Investigated

100V/50Hz

110V/60Hz

220V/60Hz

230V/50Hz

120V/60Hz

## Configurations Investigated

REAC0004 - 1

## Frequency Range Investigated

Start Frequency	30 MHz	End Frequency	1000 MHz
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## Sample Calculations

Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation

## Test Equipment

ID	Description	Manufacturer	Model	Last Calibration	Interval
AXB	Antenna, Biconilog	EMCO	3142	1/15/2008	24 mo
EVL	EV11 Cables		10m Test Distance Cables	5/24/2008	13 mo
AOY	Pre-Amplifier	Miteq	AM-1551	5/22/2008	13 mo
AAS	Spectrum Analyzer	Agilent	E4443A	12/7/2007	13 mo

## Measurement Bandwidths

Frequency Range (MHz)	Peak Data (kHz)	Quasi-Peak Data (kHz)	Average Data (kHz)
0.01 - 0.15	1.0	0.2	0.2
0.15 - 30.0	10.0	9.0	9.0
30.0 - 1000	100.0	120.0	120.0
Above 1000	1000	N/A	1000

Measurements were made using the bandwidths and detectors specified. No video filter was used.

## Test Description

Using the mode of operation and configuration noted within this report, a final radiated emissions test was performed. The frequency range investigated (scanned), is also noted in this report. Radiated emissions measurements were made at the EUT azimuth and antenna height such that the maximum radiated emissions level will be detected. This requires the use of a turntable and an antenna positioner. The preferred method of a continuous azimuth search is utilized for frequency scans of the EUT field strength with both polarities of the measuring antenna. A calibrated, linearly polarized antenna was positioned at the specified distance from the periphery of the EUT.

Tests were made with the antenna positioned in both the horizontal and vertical planes of polarization. The antenna was varied in height above the conducting ground plane to obtain the maximum signal strength. Though specified in the report, the measurement distance shall be 3 meters or 10 meters. At any measurement distance, the antenna height was varied from 1 meter to 4 meters. These height scans apply for both horizontal and vertical polarization, except that for vertical polarization the minimum height of the center of the antenna shall be increased so that the lowest point of the bottom of the antenna clears the ground surface by at least 25 cm.



# Radiated Emissions Data

EUT:	SLCD6-4.0	Work Order:	REAC0004
Serial Number:	1041	Date:	10/8/2008
Customer:	Reach Technology, Inc	Temperature:	21.42 °C
Attendees:	None	Humidity:	51.21%
Project:	SLCD6	Barometric Pressure:	1017.3mb
Tester:	David DiVergigelis	Power:	100V/50Hz
Configuration #	1	Job Site:	EV11

Test Specifications	Test Method
VCCI:2008-04 Class A	VCCI:2008-04
AS/NZS CISPR 22:2006 Class A	<unknown>
CNS 13438:2006 Class A	CNS 13438:2006
EN 55022: 2006 Class A	CISPR 22:2005 (Amended by A1:2005 and A2:2006)
FCC 15.109(g) (CISPR 22:1997):2007 Class A	ANSI C63.4:2003
ICES-003:2004 Class A	CISPR 22:2005 (Amended by A1:2005 and A2:2006)

Test Parameters			
Antenna Height(s) (m)	1-4m	Test Distance	10

Comments

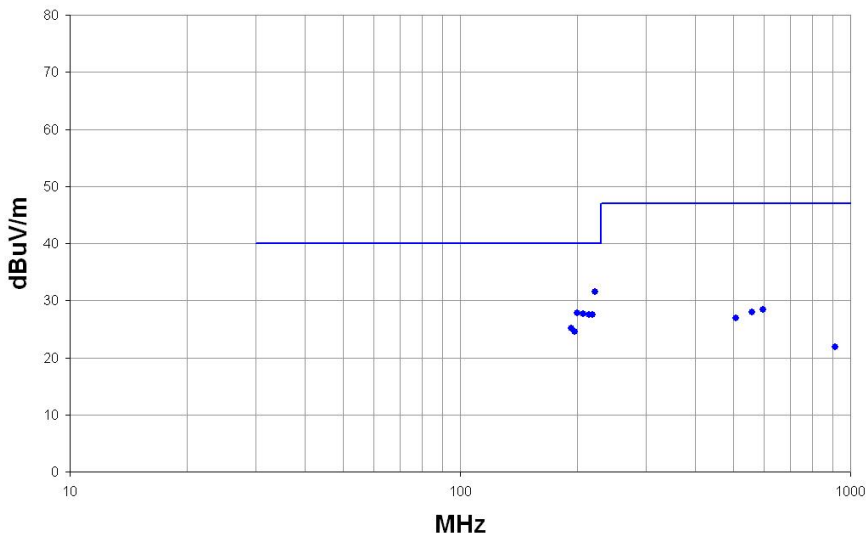
4 inch screen. Ferrite on DC power, 2 wraps at EUT end. Power Adapter under turntable.

EUT Operating Modes

Self demo

Deviations from Test Standard

No deviations.



## Test Data

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (dB)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
116.900	55.5	-26.9	1.5	208.0	10.0	0.0	Vert	QP	0.0	28.6	40.0	-11.4	
117.412	54.9	-26.9	1.5	111.0	10.0	0.0	Vert	QP	0.0	28.0	40.0	-12.0	
118.466	54.6	-26.9	1.1	174.0	10.0	0.0	Vert	QP	0.0	27.7	40.0	-12.3	
118.922	54.2	-26.9	1.1	191.0	10.0	0.0	Vert	QP	0.0	27.3	40.0	-12.7	
115.857	54.0	-26.9	1.5	292.0	10.0	0.0	Vert	QP	0.0	27.1	40.0	-12.9	
114.848	53.0	-26.9	1.5	241.0	10.0	0.0	Vert	QP	0.0	26.1	40.0	-13.9	
31.918	33.7	-16.5	1.0	124.0	10.0	0.0	Vert	QP	0.0	17.2	40.0	-22.8	
51.610	41.6	-24.7	2.6	148.0	10.0	0.0	Vert	QP	0.0	16.9	40.0	-23.1	
994.649	30.2	-7.3	3.0	92.0	10.0	0.0	Horz	QP	0.0	22.9	47.0	-24.1	
979.726	30.3	-7.6	3.3	192.0	10.0	0.0	Vert	QP	0.0	22.7	47.0	-24.3	



# Radiated Emissions Data

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (-meters)	Azimuth (degrees)	Test Distance (dB)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
939.011	30.7	-8.4	1.0	27.0	10.0	0.0	Horz	QP	0.0	22.3	47.0	-24.7	
943.698	30.6	-8.3	1.0	228.0	10.0	0.0	Vert	QP	0.0	22.3	47.0	-24.7	
31.926	31.5	-16.5	2.8	261.0	10.0	0.0	Horz	QP	0.0	15.0	40.0	-25.0	
710.401	30.9	-10.9	3.6	160.0	10.0	0.0	Vert	QP	0.0	20.0	47.0	-27.0	
429.886	36.2	-16.2	1.0	6.0	10.0	0.0	Vert	QP	0.0	20.0	47.0	-27.0	
209.670	34.2	-22.8	3.9	107.0	10.0	0.0	Horz	QP	0.0	11.4	40.0	-28.6	
51.740	32.5	-24.7	2.4	240.0	10.0	0.0	Horz	QP	0.0	7.8	40.0	-32.2	

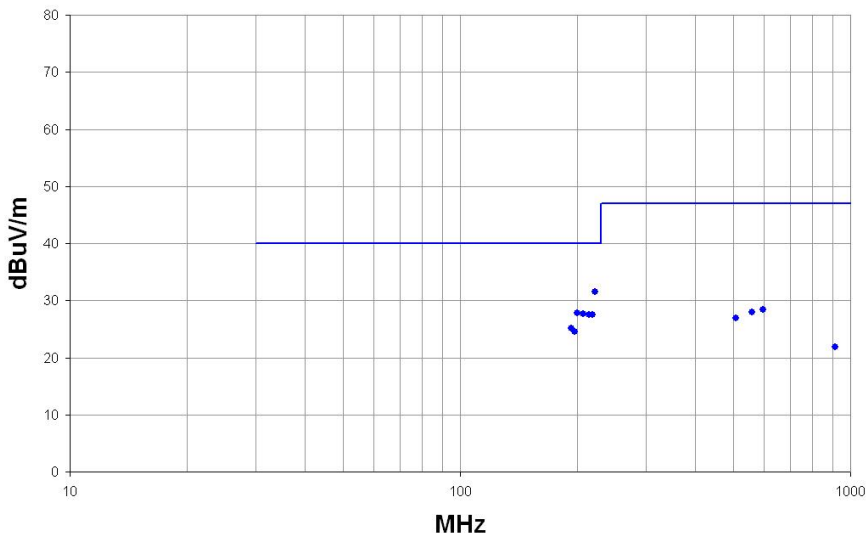
Results  Pass

*Handwritten signature in blue ink.*



# Radiated Emissions Data

EUT:	50-0003-02, SLCD6-5.7		Work Order:	REAC0004
Serial Number:	1001		Date:	10/2/2008
Customer:	Reach Technology, Inc		Temperature:	23.16°C
Attendees:	Jonathan More		Humidity:	48.01%
Project:	SLCD6		Barometric Pressure:	1009.4mb
Tester:	Kyle Holgate		Power:	12VDC
Configuration #			Job Site:	EV11
Test Specifications			Test Method	
EN 55022: 2006 Class A			CISPR 22:2005 (Amended by A1:2005 and A2:2006)	
AS/NZS CISPR 22:2006 Class A			<unknown>	
CNS 13438:2006 Class A			CNS 13438:2006	
FCC 15.109(g) (CISPR 22:1997):2007 Class A			ANSI C63.4:2003	
ICES-003:2004 Class A			CISPR 22:2005 (Amended by A1:2005 and A2:2006)	
VCCI:2008-04 Class A			VCCI:2008-04	
Test Parameters				
Antenna Height(s) (m)	1-4m		Test Distance	10
Comments				
5.7 inch screen. Ferrite on DC power, 2 wraps at EUT end				
EUT Operating Modes				
Self demo				
Deviations from Test Standard				
None				



## Test Data

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (m)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
221.200	53.7	-22.2	1.0	37.0	10.0	0.0	Vert	QP	0.0	31.5	40.0	-8.5	
199.127	51.1	-23.3	1.0	118.0	10.0	0.0	Vert	QP	0.0	27.8	40.0	-12.2	
206.421	50.6	-23.0	2.1	9.0	10.0	0.0	Vert	QP	0.0	27.6	40.0	-12.4	
213.738	50.1	-22.6	2.0	334.0	10.0	0.0	Vert	QP	0.0	27.5	40.0	-12.5	
218.848	49.8	-22.4	1.2	34.0	10.0	0.0	Vert	QP	0.0	27.4	40.0	-12.6	
193.074	48.7	-23.5	2.4	31.0	10.0	0.0	Vert	QP	0.0	25.2	40.0	-14.8	
196.270	48.0	-23.4	1.0	222.0	10.0	0.0	Vert	QP	0.0	24.6	40.0	-15.4	
597.208	40.9	-12.5	1.5	78.0	10.0	0.0	Horz	QP	0.0	28.4	47.0	-18.6	
560.341	41.4	-13.4	1.6	309.0	10.0	0.0	Horz	QP	0.0	28.0	47.0	-19.0	
508.743	41.2	-14.3	1.0	10.0	10.0	0.0	Vert	QP	0.0	26.9	47.0	-20.1	
915.347	30.7	-8.8	1.0	233.0	10.0	0.0	Vert	QP	0.0	21.9	47.0	-25.1	





# Radiated Emissions Data

Results  Pass

A handwritten signature in blue ink, appearing to read "K. R. Hagan", is written over a horizontal line that spans the width of the page.



# Radiated Emissions Photos



# Electrostatic Discharge Data

EUT:	50-0003-02, SLCD6-5.7	Work Order:	REAC0004
Serial Number:	001001	Date:	10/6/2008
Customer:	Reach Technology, Inc	Temperature:	21.42 °C
Attendees:	None	Humidity:	51.21%
Project:	SLCD6	Barometric Pressure:	1017.3mb
Tester:	Kyle Holgate	Power:	12VDC
Configuration #	2	Job Site:	EV05

Test Specifications	Test Method
EN 55024:1998 (Amended by A1:2001 and A2:2003)	IEC 61000-4-2:2001

Test Parameters			
Energy Storage Capacitor	150pf	Discharge Resistance	330 ohms
Polarity of Output Voltage	Positive and Negative	Time Between Successive Discharges	>= 1 sec

Comments  
5.7 inch screen. Ferrite on DC power, 2 wraps at EUT end.

EUT Operating Modes

Self demo

Deviations from Test Standard

None

EUT Functions Monitored

Display

## Air Discharge

NUMBER OF DISCHARGES	10	10	10	10	10	10	10	10	10	10
ESD TEST LEVEL (kV)	2	-2	3	-3	4	-4	8	-8	15	-15
All Green Arrows - No Observations	0	0	-	-	0	0	0	0	-	-

## Contact Discharge


NUMBER OF DISCHARGES	25	25	25	25	25	25	25	25	25	25
ESD TEST LEVEL (kV)	2	-2	4	-4	6	-6	8	-8	15	-15
All Blue Arrows - No Observations	0	0	0	0	-	-	-	-	-	-
Horizontal Coupling Plane	0	0	0	0	-	-	-	-	-	-
Vertical Coupling Plane	0	0	0	0	-	-	-	-	-	-

## Test Data

Item Number	Phenomena Observed
Key:	o=No EUT Response Observed      - = Not Tested

## Test Equipment

ID	Description	Manufacturer	Model	Last Calibration	Interval
TOK	Oscilloscope	Agilent	DS06052A	12/7/2007	13 mo
IGF	ESD Gun	Haefely	PESD 3000	2/6/2008	13 mo

Results	Meets NWEMC Performance Criteria 1	
Criteria	The EUT exhibited no change in performance when operating as specified by the manufacturer.	



# Electrostatic Discharge Data

EUT:	50-0003-02, SLCD6-5.7	Work Order:	REAC0004
Serial Number:	001001	Date:	10/6/2008
Customer:	Reach Technology, Inc	Temperature:	21.42 °C
Attendees:	None	Humidity:	51.21%
Project:	SLCD6	Barometric Pressure:	1017.3mb
Tester:	Kyle Holgate	Power:	12VDC
Configuration #	2	Job Site:	EV05

Test Specifications	Test Method
EN 55024:1998 (Amended by A1:2001 and A2:2003)	IEC 61000-4-2:2001

Test Parameters			
Energy Storage Capacitor	150pf	Discharge Resistance	330 ohms
Polarity of Output Voltage	Positive and Negative	Time Between Successive Discharges	>= 1 sec

Comments  
5.7 inch screen. Ferrite on DC power, 2 wraps at EUT end.

EUT Operating Modes

Self demo

Deviations from Test Standard

None

EUT Functions Monitored

Display

## Air Discharge

NUMBER OF DISCHARGES	10	10	10	10	10	10	10	10	10	10
ESD TEST LEVEL (kV)	2	-2	3	-3	4	-4	8	-8	15	-15
All Green Arrows - No Observations	0	0	-	-	0	0	0	0	-	-

## Contact Discharge


NUMBER OF DISCHARGES	25	25	25	25	25	25	25	25	25	25
ESD TEST LEVEL (kV)	2	-2	4	-4	6	-6	8	-8	15	-15
All Blue Arrows - No Observations	0	0	0	0	-	-	-	-	-	-
Horizontal Coupling Plane	0	0	0	0	-	-	-	-	-	-
Vertical Coupling Plane	0	0	0	0	-	-	-	-	-	-

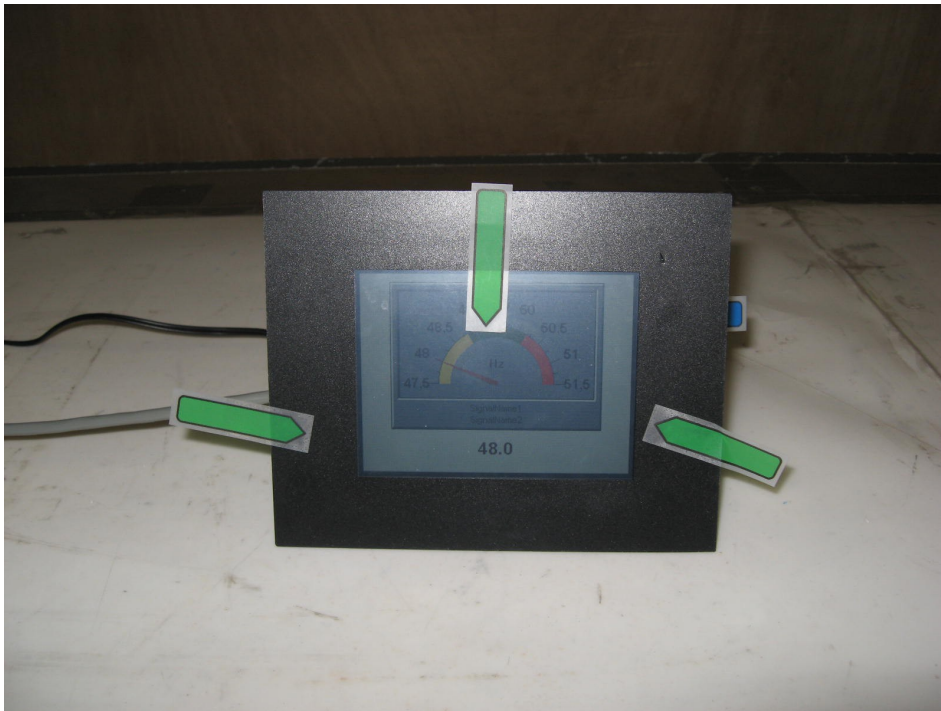
## Test Data

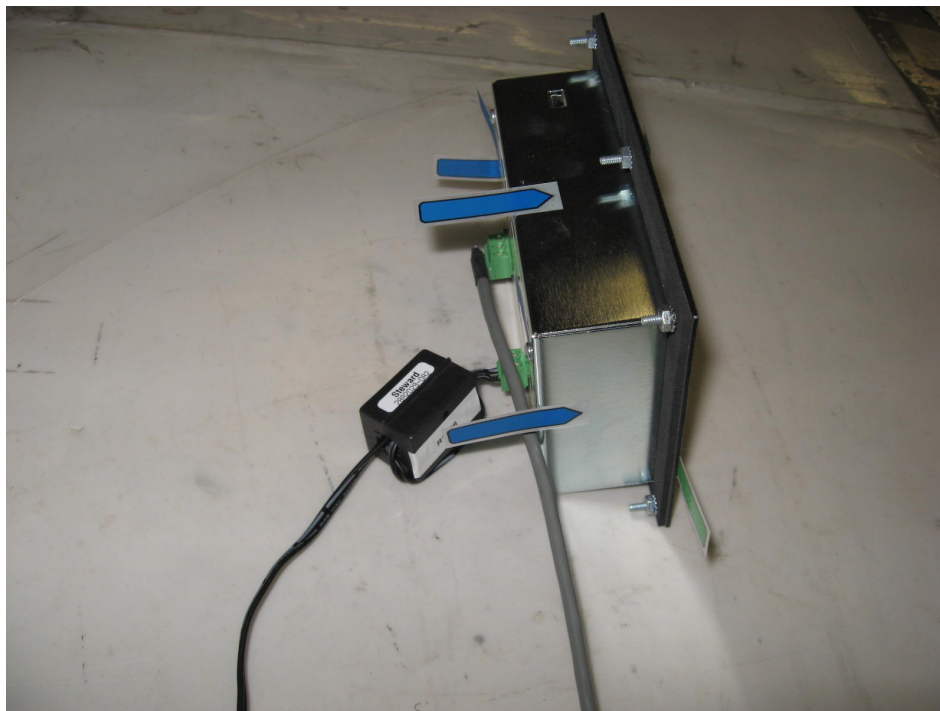
Item Number	Phenomena Observed
Key:	o=No EUT Response Observed      - = Not Tested

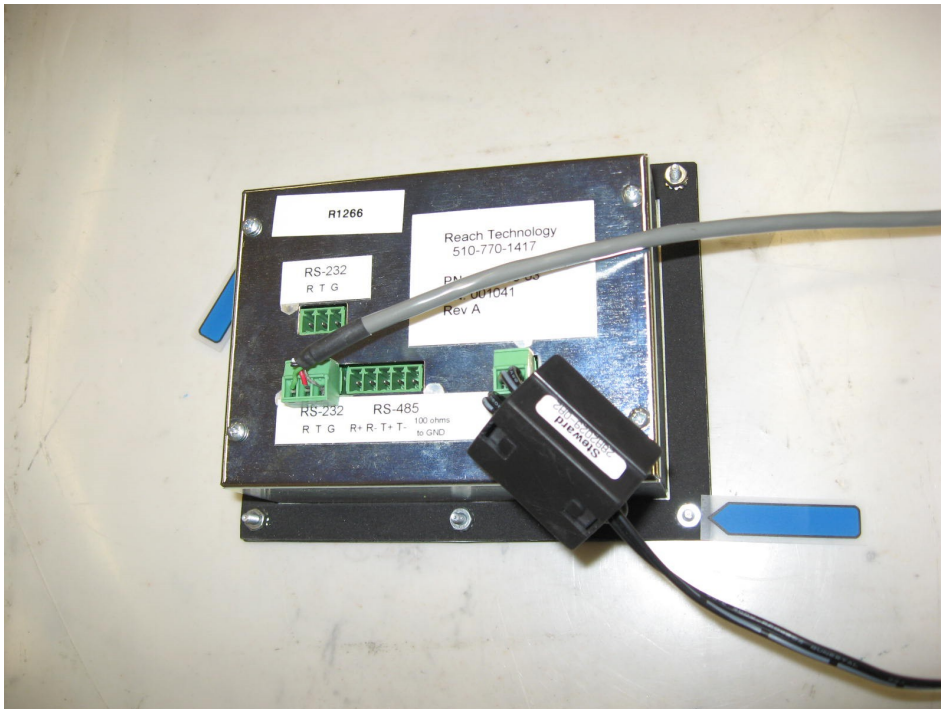
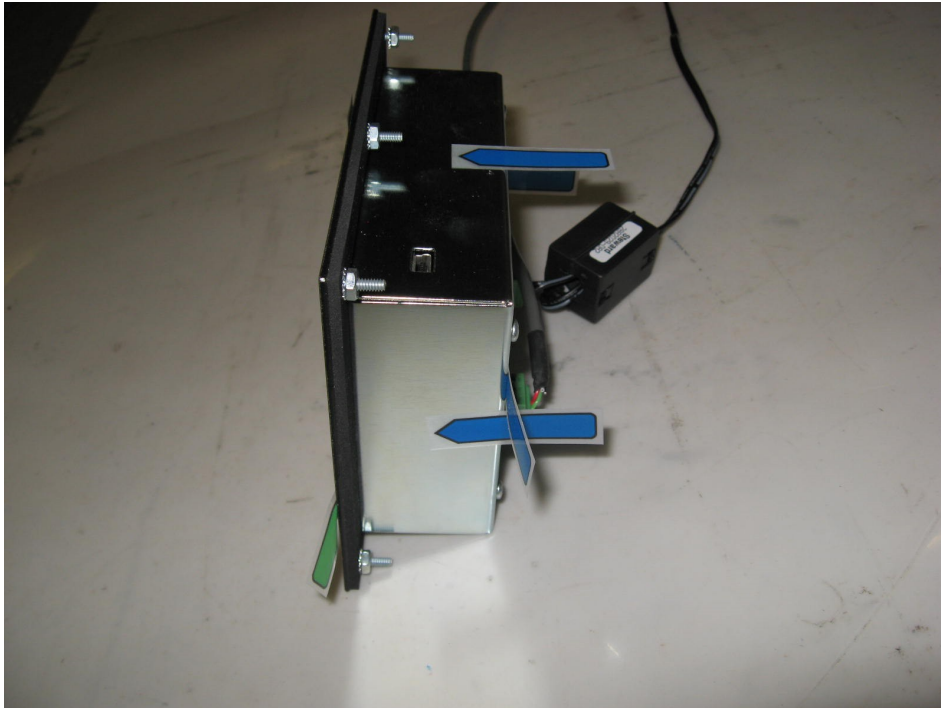
## Test Equipment

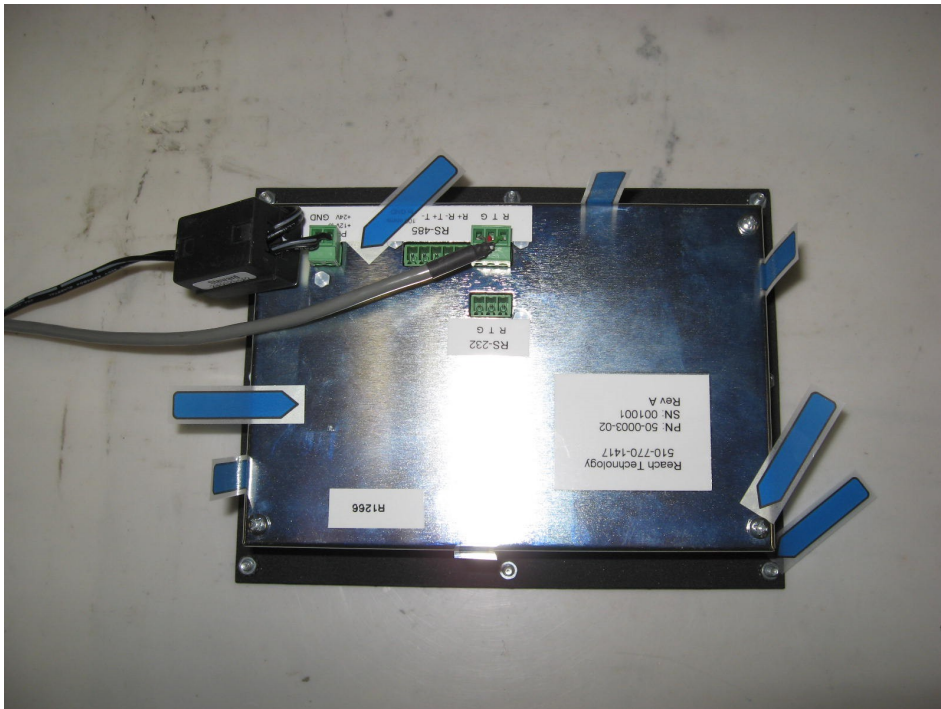
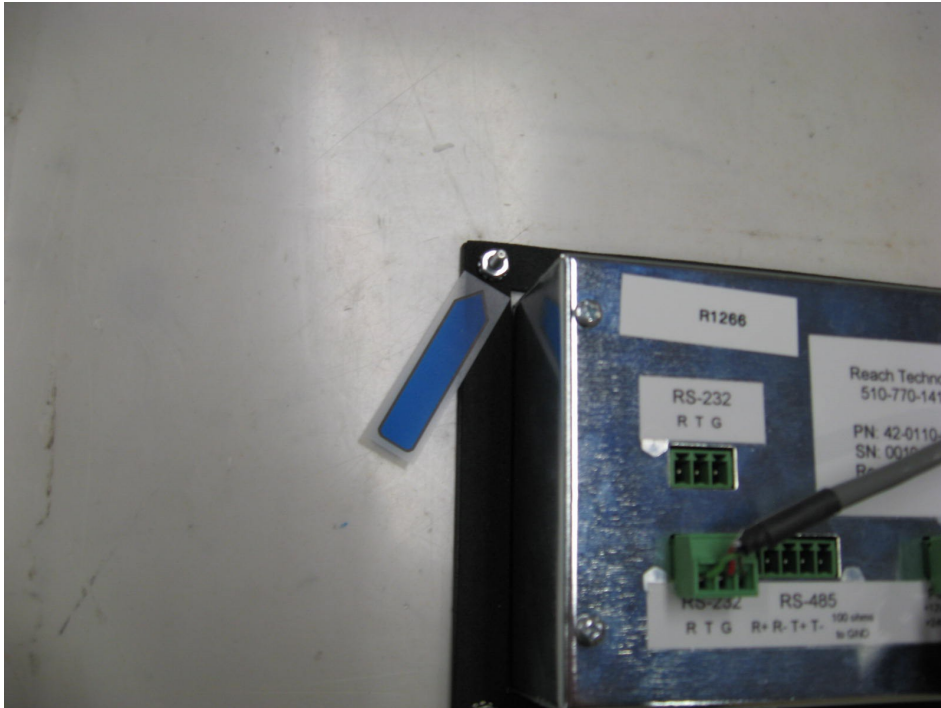
ID	Description	Manufacturer	Model	Last Calibration	Interval
TOK	Oscilloscope	Agilent	DS06052A	12/7/2007	13 mo
IGF	ESD Gun	Haefely	PESD 3000	2/6/2008	13 mo

Results	Meets NWEMC Performance Criteria 1	
Criteria	The EUT exhibited no change in performance when operating as specified by the manufacturer.	













# Radiated Immunity Data

EUT:	50-0003-02, SLCD6-5.7	Work Order:	REAC0004
Serial Number:	001001	Date:	10/6/2008
Customer:	Reach Technology, Inc	Temperature:	21.42 °C
Attendees:	None	Humidity:	51.21%
Project:	SLCD6	Barometric Pressure:	1017.3mb
Tester:	Kyle Holgate	Power:	12VDC
Configuration #	2	Job Site:	EV10

Test Specifications	Test Method
EN 55024:1998 (Amended by A1:2001 and A2:2003)	IEC 61000-4-3:2006 (Amended by A1:2007)

Test Parameters					
Test Level	>= 3 V/m	Spec. Level	3 V/m	Modulation Freq	1kHz
Start Frequency	80MHz	Stop Frequency	1000MHz	Modulation Type	AM
Step Size	1%	Dwell Time	1 Sec.	Modulation Depth	80%

Comments

5.7 inch screen. Ferrite on DC power, 2 wraps at EUT end.

EUT Operating Modes

Self demo

Deviations from Test Standard

None

EUT Functions Monitored

Display

Clock and Oscillators

No operating frequencies were provided by the client.

## Test Data

Frequency (MHz)	Field Strength (volts/meter)	Antenna Polarity	Side Tested	Phenomena Observed / Comments
80MHz - 1000MHz	Test Level	Horz	Front	No Anomalies Observed
80MHz - 1000MHz	Test Level	Vert	Front	No Anomalies Observed
80MHz - 1000MHz	Test Level	Horz	Back	No Anomalies Observed
80MHz - 1000MHz	Test Level	Vert	Back	No Anomalies Observed
80MHz - 1000MHz	Test Level	Horz	Left	No Anomalies Observed
80MHz - 1000MHz	Test Level	Vert	Left	No Anomalies Observed
80MHz - 1000MHz	Test Level	Horz	Right	No Anomalies Observed
80MHz - 1000MHz	Test Level	Vert	Right	No Anomalies Observed

## Test Equipment

ID	Description	Manufacturer	Model	Last Calibration	Interval
SPE	Power Head	Amplifier Research	PH2000	12/7/2007	13 mo
IRA	Dual Directional Coupler	Amplifier Research	DC6080	12/7/2007	13 mo
SPH	RF Power Meter	Amplifier Research	PM2002	12/7/2007	13 mo
TRQ	RF Amplifier	Amplifier Research	500W1000A	NCR	0 mo
IEE	E-Field Probe	Amplifier Research	FP2000	1/3/2007	24 mo
ALJ	Antenna, Log Periodic	EMCO	3144	NCR	0 mo
TGS	Signal Generator	Agilent	E4422B	12/7/2007	13 mo

Results Meets NWEMC Performance Criteria 1  
 Criteria - The EUT exhibited no change in performance when operating as specified by the manufacturer.



# Radiated Immunity Data

EUT:	50-0003-02, SLCD6-5.7	Work Order:	REAC0004
Serial Number:	001001	Date:	10/6/2008
Customer:	Reach Technology, Inc	Temperature:	21.42 °C
Attendees:	None	Humidity:	51.21%
Project:	SLCD6	Barometric Pressure:	1017.3mb
Tester:	Kyle Holgate	Power:	12VDC
Configuration #	2	Job Site:	EV10

Test Specifications	Test Method
EN 55024:1998 (Amended by A1:2001 and A2:2003)	IEC 61000-4-3:2006 (Amended by A1:2007)

Test Parameters					
Test Level	>= 3 V/m	Spec. Level	3 V/m	Modulation Freq	1kHz
Start Frequency	80MHz	Stop Frequency	1000MHz	Modulation Type	AM
Step Size	1%	Dwell Time	1 Sec.	Modulation Depth	80%

Comments

5.7 inch screen. Ferrite on DC power, 2 wraps at EUT end.

EUT Operating Modes

Self demo

Deviations from Test Standard

None

EUT Functions Monitored

Display

Clock and Oscillators

No operating frequencies were provided by the client.

## Test Data

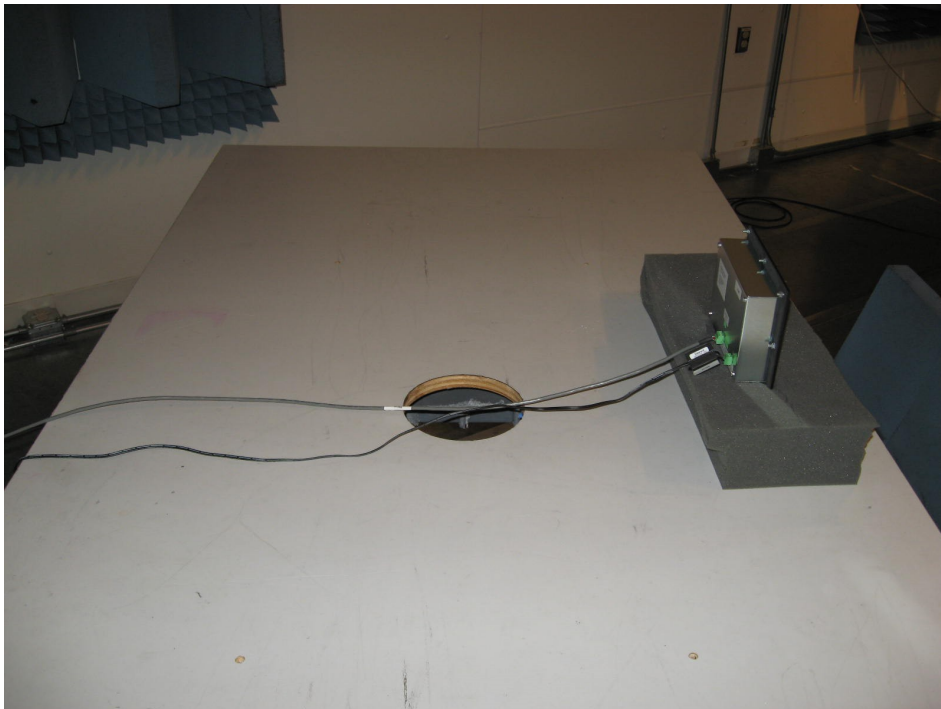
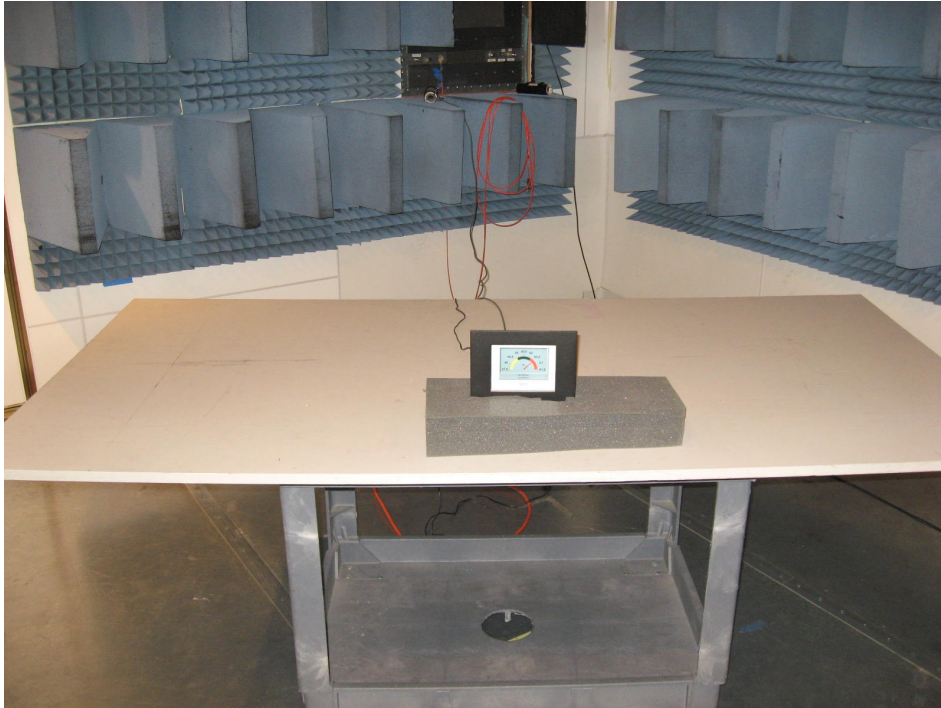
Frequency (MHz)	Field Strength (volts/meter)	Antenna Polarity	Side Tested	Phenomena Observed / Comments
80MHz - 1000MHz	Test Level	Horz	Front	No Anomalies Observed
80MHz - 1000MHz	Test Level	Vert	Front	No Anomalies Observed
80MHz - 1000MHz	Test Level	Horz	Back	No Anomalies Observed
80MHz - 1000MHz	Test Level	Vert	Back	No Anomalies Observed
80MHz - 1000MHz	Test Level	Horz	Left	No Anomalies Observed
80MHz - 1000MHz	Test Level	Vert	Left	No Anomalies Observed
80MHz - 1000MHz	Test Level	Horz	Right	No Anomalies Observed
80MHz - 1000MHz	Test Level	Vert	Right	No Anomalies Observed

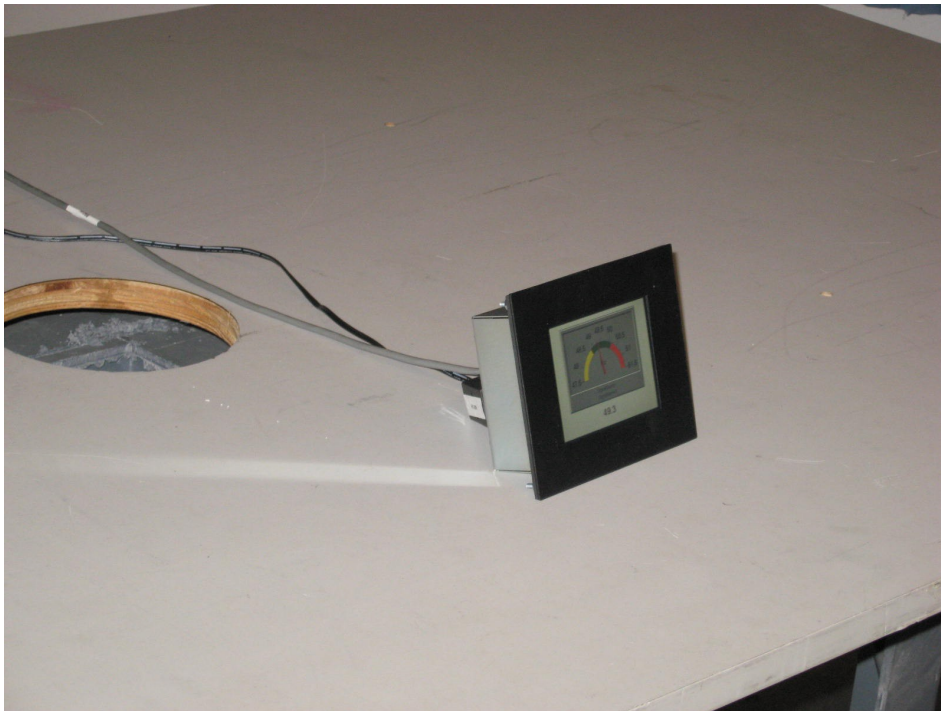
## Test Equipment

ID	Description	Manufacturer	Model	Last Calibration	Interval
SPE	Power Head	Amplifier Research	PH2000	12/7/2007	13 mo
IRA	Dual Directional Coupler	Amplifier Research	DC6080	12/7/2007	13 mo
SPH	RF Power Meter	Amplifier Research	PM2002	12/7/2007	13 mo
TRQ	RF Amplifier	Amplifier Research	500W1000A	NCR	0 mo
IEE	E-Field Probe	Amplifier Research	FP2000	1/3/2007	24 mo
ALJ	Antenna, Log Periodic	EMCO	3144	NCR	0 mo
TGS	Signal Generator	Agilent	E4422B	12/7/2007	13 mo

Results Meets NWEMC Performance Criteria 1

Criteria - The EUT exhibited no change in performance when operating as specified by the manufacturer.







# Electrical Fast Transient Burst Data

EUT:	50-0003-02, SLCD6-5.7	Work Order:	REAC0004
Serial Number:	001001	Date:	10/6/2008
Customer:	Reach Technology, Inc	Temperature:	21.42 °C
Attendees:	None	Humidity:	51.21%
Project:	SLCD6	Barometric Pressure:	1017.3mb
Tester:	Kyle Holgate	Power:	12VDC
Configuration #	2	Job Site:	EV05

Test Specifications	Test Method
EN 55024:1998 (Amended by A1:2001 and A2:2003)	IEC 61000-4-4:2004

Test Parameters					
Period Time	300mS ± 20%	Impulse Duration	50nS ± 30%	Frequency of Burst	100kHz
Rise Time of One Pulse	5nS ± 30%	Duration of Burst	0.75mS ±20%	Relation of Power Supply	Asynchronous

Comments

5.7 inch screen. Ferrite on DC power, 2 wraps at EUT end.

EUT Operating Modes

Self demo

Deviations from Test Standard

None

EUT Functions Monitored

Display

## AC/DC

LINE 1	LINE 1	LINE 2	LINE 2	LINE 3	LINE 3	NEUTRAL	NEUTRAL	GROUND	GROUND	ALL LINES	ALL LINES
1 kV	-1 kV	1 kV	-1 kV	1 kV	-1 kV	1 kV	-1 kV	1 kV	-1 kV	1 kV	-1 kV
-	-	-	-	-	-	-	-	-	-	-	-

## Signal/Control

RS-232	RS-232	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
0.5 kV	-0.5 kV	0.5 kV	-0.5 kV	0.5 kV	-0.5 kV	0.5 kV	-0.5 kV	0.5 kV	-0.5 kV	0.5 kV	-0.5 kV
o	o	-	-	-	-	-	-	-	-	-	-

## Test Data

Item#	Phenomena Observed
Key:	o=No EUT Response Observed      - = Not Tested

## Test Equipment

ID	Description	Manufacturer	Model	Last Calibration	Interval
IBJ	EFT Surge VDI Test System	Haefely	ECOMPACT 4	12/6/2007	13 mo
TOJ	Oscilloscope	Tektronix	TDS 520A	12/7/2007	13 mo

Results	Meets NWEMC Performance Criteria 1
Criteria - The EUT exhibited no change in performance when operating as specified by the manufacturer.	



# Electrical Fast Transient Burst Data

EUT:	50-0003-02, SLCD6-4.0	Work Order:	REAC0004
Serial Number:	001041	Date:	10/6/2008
Customer:	Reach Technology, Inc	Temperature:	21.42 °C
Attendees:	None	Humidity:	51.21%
Project:	SLCD6	Barometric Pressure:	1017.3mb
Tester:	Kyle Holgate	Power:	12VDC
Configuration #	1	Job Site:	EV05

Test Specifications	Test Method
EN 55024:1998 (Amended by A1:2001 and A2:2003)	IEC 61000-4-4:2004

Test Parameters					
Period Time	300mS ± 20%	Impulse Duration	50nS ± 30%	Frequency of Burst	100kHz
Rise Time of One Pulse	5nS ± 30%	Duration of Burst	0.75mS ±20%	Relation of Power Supply	Asynchronous

**Comments**

4 inch screen. Ferrite on DC power, 2 wraps at EUT end.

**EUT Operating Modes**

Self demo

**Deviations from Test Standard**

None

**EUT Functions Monitored**

Display

## AC/DC

LINE 1	LINE 1	LINE 2	LINE 2	LINE 3	LINE 3	NEUTRAL	NEUTRAL	GROUND	GROUND	ALL LINES	ALL LINES
1 kV	-1 kV	1 kV	-1 kV	1 kV	-1 kV	1 kV	-1 kV	1 kV	-1 kV	1 kV	-1 kV
-	-	-	-	-	-	-	-	-	-	-	-

## Signal/Control


RS-232	RS-232	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
0.5 kV	-0.5 kV	0.5 kV	-0.5 kV	0.5 kV	-0.5 kV	0.5 kV	-0.5 kV	0.5 kV	-0.5 kV	0.5 kV	-0.5 kV
o	o	-	-	-	-	-	-	-	-	-	-

## Test Data

Item#	Phenomena Observed
Key:	o=No EUT Response Observed      - = Not Tested

## Test Equipment

ID	Description	Manufacturer	Model	Last Calibration	Interval
IBJ	EFT Surge VDI Test System	Haefely	ECOMPACT 4	12/6/2007	13 mo
TOJ	Oscilloscope	Tektronix	TDS 520A	12/7/2007	13 mo

Results	Meets NWEMC Performance Criteria 1	
Criteria - The EUT exhibited no change in performance when operating as specified by the manufacturer.		



# Electrical Fast Transient Burst Data

EUT:	50-0003-02, SLCD6-5.7	Work Order:	REAC0004
Serial Number:	001001	Date:	10/6/2008
Customer:	Reach Technology, Inc	Temperature:	21.42 °C
Attendees:	None	Humidity:	51.21%
Project:	SLCD6	Barometric Pressure:	1017.3mb
Tester:	Kyle Holgate	Power:	12VDC
Configuration #	2	Job Site:	EV05

Test Specifications	Test Method
EN 55024:1998 (Amended by A1:2001 and A2:2003)	IEC 61000-4-4:2004

Test Parameters					
Period Time	300mS ± 20%	Impulse Duration	50nS ± 30%	Frequency of Burst	5kHz
Rise Time of One Pulse	5nS ± 30%	Duration of Burst	15mS ±20%	Relation of Power Supply	Asynchronous

Comments

5.7 inch screen. Ferrite on DC power, 2 wraps at EUT end.

EUT Operating Modes

Self demo

Deviations from Test Standard

None

EUT Functions Monitored

Display

## AC/DC

LINE 1	LINE 1	LINE 2	LINE 2	LINE 3	LINE 3	NEUTRAL	NEUTRAL	GROUND	GROUND	ALL LINES	ALL LINES
1 kV	-1 kV	1 kV	-1 kV	1 kV	-1 kV	1 kV	-1 kV	1 kV	-1 kV	1 kV	-1 kV
-	-	-	-	-	-	-	-	-	-	-	-

## Signal/Control

RS-232	RS-232	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
0.5 kV	-0.5 kV	0.5 kV	-0.5 kV	0.5 kV	-0.5 kV	0.5 kV	-0.5 kV	0.5 kV	-0.5 kV	0.5 kV	-0.5 kV
o	o	-	-	-	-	-	-	-	-	-	-

## Test Data

Item#	Phenomena Observed
Key:	o=No EUT Response Observed      - = Not Tested

## Test Equipment

ID	Description	Manufacturer	Model	Last Calibration	Interval
IBJ	EFT Surge VDI Test System	Haefely	ECOMPACT 4	12/6/2007	13 mo
TOJ	Oscilloscope	Tektronix	TDS 520A	12/7/2007	13 mo

Results	Meets NWEMC Performance Criteria 1
Criteria - The EUT exhibited no change in performance when operating as specified by the manufacturer.	



# Electrical Fast Transient Burst Data

EUT:	50-0003-02, SLCD6-5.7	Work Order:	REAC0004
Serial Number:	001001	Date:	10/6/2008
Customer:	Reach Technology, Inc	Temperature:	21.42 °C
Attendees:	None	Humidity:	51.21%
Project:	SLCD6	Barometric Pressure:	1017.3mb
Tester:	Kyle Holgate	Power:	12VDC
Configuration #	2	Job Site:	EV05

Test Specifications	Test Method
EN 55024:1998 (Amended by A1:2001 and A2:2003)	IEC 61000-4-4:2004

Test Parameters					
Period Time	300mS ± 20%	Impulse Duration	50nS ± 30%	Frequency of Burst	100kHz
Rise Time of One Pulse	5nS ± 30%	Duration of Burst	0.75mS ±20%	Relation of Power Supply	Asynchronous

Comments

5.7 inch screen. Ferrite on DC power, 2 wraps at EUT end.

EUT Operating Modes

Self demo

Deviations from Test Standard

None

EUT Functions Monitored

Display

## AC/DC

LINE 1	LINE 1	LINE 2	LINE 2	LINE 3	LINE 3	NEUTRAL	NEUTRAL	GROUND	GROUND	ALL LINES	ALL LINES
1 kV	-1 kV	1 kV	-1 kV	1 kV	-1 kV	1 kV	-1 kV	1 kV	-1 kV	1 kV	-1 kV
-	-	-	-	-	-	-	-	-	-	-	-

## Signal/Control


RS-232	RS-232	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
0.5 kV	-0.5 kV	0.5 kV	-0.5 kV	0.5 kV	-0.5 kV	0.5 kV	-0.5 kV	0.5 kV	-0.5 kV	0.5 kV	-0.5 kV
o	o	-	-	-	-	-	-	-	-	-	-

## Test Data

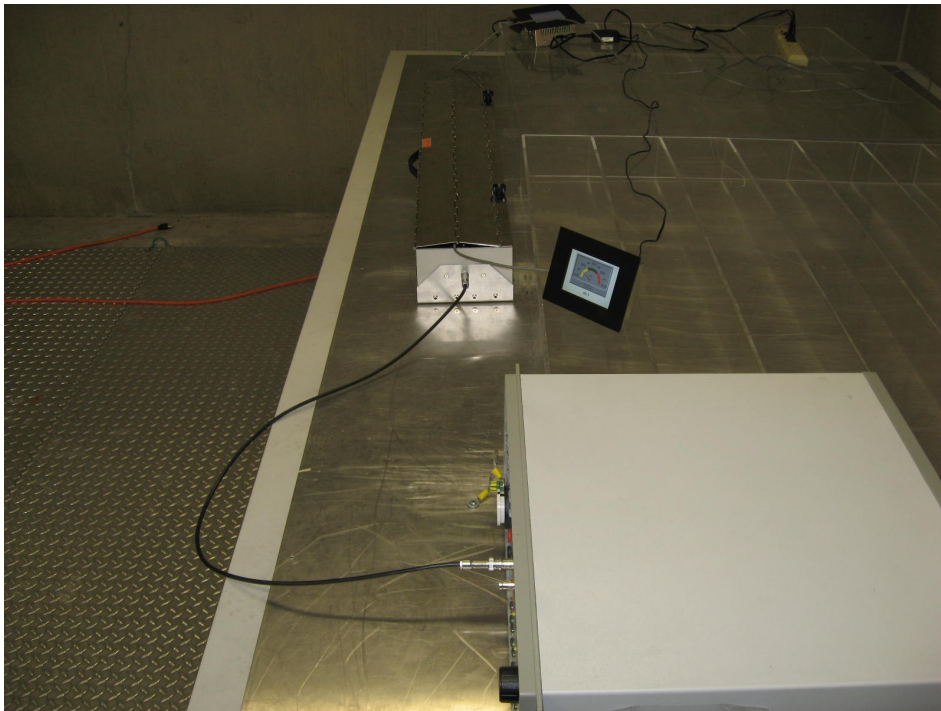
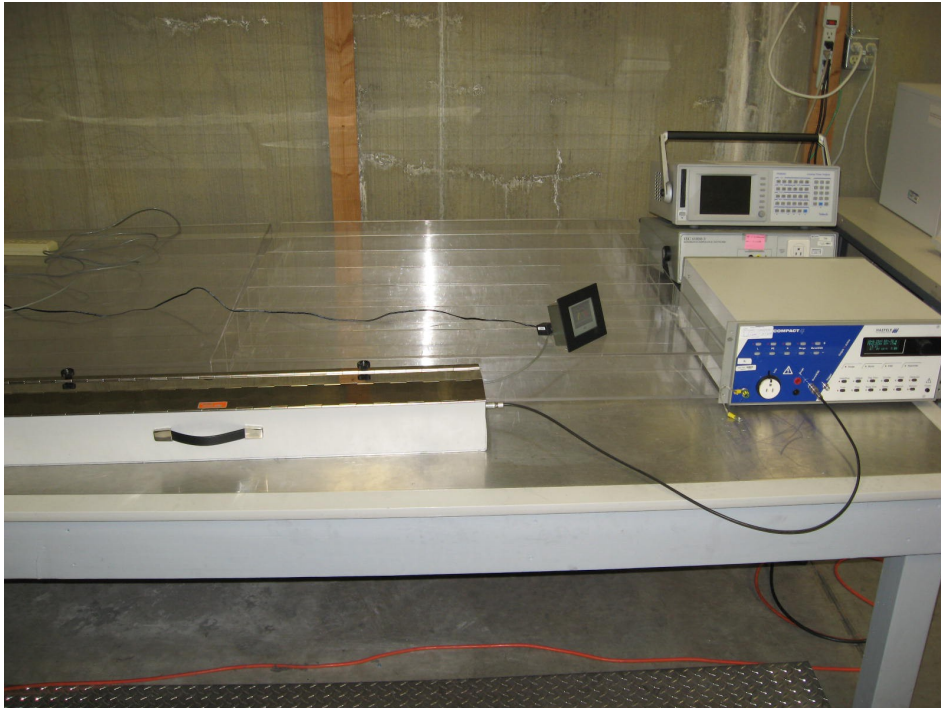
Item#	Phenomena Observed
Key:	o=No EUT Response Observed      - = Not Tested

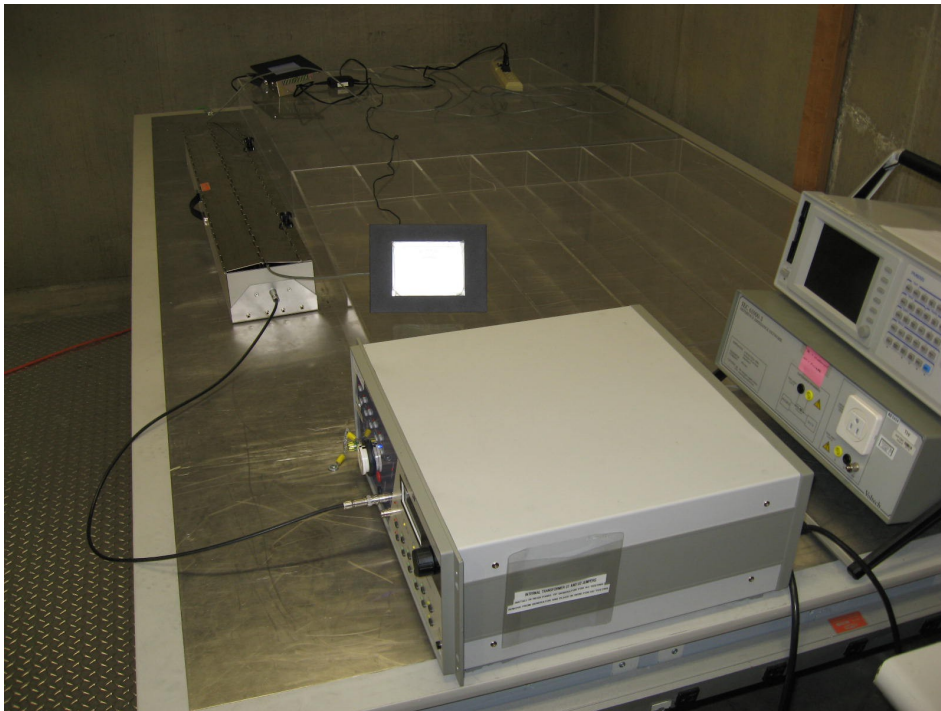
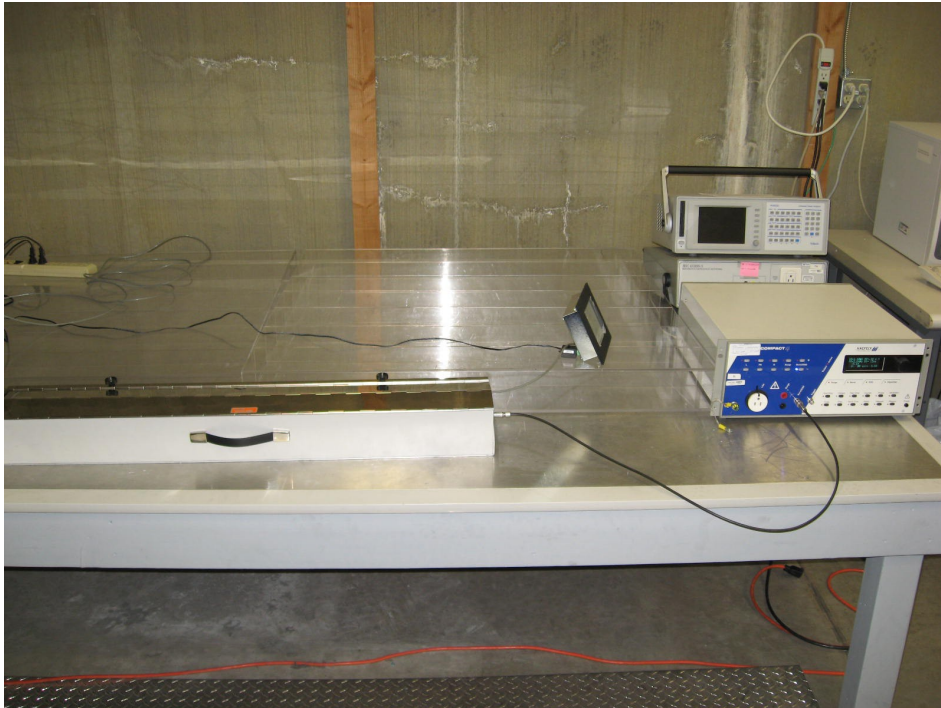
## Test Equipment

ID	Description	Manufacturer	Model	Last Calibration	Interval
IBJ	EFT Surge VDI Test System	Haefely	ECOMPACT 4	12/6/2007	13 mo
TOJ	Oscilloscope	Tektronix	TDS 520A	12/7/2007	13 mo

Results	Meets NWEMC Performance Criteria 1	
Criteria	The EUT exhibited no change in performance when operating as specified by the manufacturer.	









# Conducted Immunity Data

EUT:	50-0003-02, SLCD6-5.7	Work Order:	REAC0004
Serial Number:	001001	Date:	10/8/2008
Customer:	Reach Technology, Inc	Temperature:	20.6 °C
Attendees:	None	Humidity:	36.4%
Project:	SLCD6	Barometric Pressure:	1031.4mb
Tester:	Kyle Holgate	Power:	12VDC
Configuration #	2	Job Site:	EV02

Test Specifications	Test Method
EN 55024:1998 (Amended by A1:2001 and A2:2003)	IEC 61000-4-6:2006

Test Parameters					
Test Level	>= 3 VRMS	Spec. Level	3 VRMS	Mod. Freq.	1kHz
Start Freq	150kHz	Stop Freq.	80MHz	Mod. Type	AM
Step Size	1%	Dwell Time	1sec.	Mod. Depth	80%

Comments

5.7 inch screen. Ferrite on DC power, 2 wraps at EUT end.

EUT Operating Modes

Self demo

Clock and Oscillators

No operating frequencies were provided by the client.,

Deviations from Test Standard

None

EUT Functions Monitored

Display

## Test Data

Frequency	Test Level (Volts RMS)	Cable Tested	Phenomena Observed / Comments
150kHz - 80MHz	Test Level	RS-232	No Anomalies Observed

## Test Equipment

ID	Description	Manufacturer	Model	Last Calibration	Interval
III	Injection Probe	Fischer Custom Communications	F-120-9A	NCR	0 mo
RBX	Attenuator 100W 6dB	JFW	50FH-006-100	NCR	0 mo
IRK	Directional Coupler	Amplifier Research	DC3400A	11/16/2007	12 mo
SPQ	Power Head	Amplifier Research	PH2000	12/14/2007	12 mo
SPX	Power Head	Amplifier Research	PH2000	12/14/2007	12 mo
SPZ	Power Meter	Amplifier Research	PM2002	12/14/2007	12 mo
TAC	RF Amplifier	Amplifier Research	150A100A	NCR	0 mo
TGY	Signal Generator	Rohde & Schwarz	SMB100A	11/21/2007	12 mo

Results	Meets NWEMC Performance Criteria 1	
Criteria - The EUT exhibited no change in performance when operating as specified by the manufacturer.		



# Conducted Immunity Data

EUT:	50-0003-02, SLCD6-5.7	Work Order:	REAC0004
Serial Number:	001001	Date:	10/8/2008
Customer:	Reach Technology, Inc	Temperature:	20.6 °C
Attendees:	None	Humidity:	36.4%
Project:	SLCD6	Barometric Pressure:	1031.4mb
Tester:	Kyle Holgate	Power:	12VDC
Configuration #	2	Job Site:	EV02

Test Specifications	Test Method
EN 55024:1998 (Amended by A1:2001 and A2:2003)	IEC 61000-4-6:2006

Test Parameters					
Test Level	>= 3 VRMS	Spec. Level	3 VRMS	Mod. Freq.	1kHz
Start Freq	150kHz	Stop Freq.	80MHz	Mod. Type	AM
Step Size	1%	Dwell Time	1sec.	Mod. Depth	80%

Comments

5.7 inch screen. Ferrite on DC power, 2 wraps at EUT end.

EUT Operating Modes

Self demo

Clock and Oscillators

No operating frequencies were provided by the client.,

Deviations from Test Standard

None

EUT Functions Monitored

Display

## Test Data

Frequency	Test Level (Volts RMS)	Cable Tested	Phenomena Observed / Comments
150kHz - 80MHz	Test Level	RS-232	No Anomalies Observed

## Test Equipment

ID	Description	Manufacturer	Model	Last Calibration	Interval
III	Injection Probe	Fischer Custom Communications	F-120-9A	NCR	0 mo
RBX	Attenuator 100W 6dB	JFW	50FH-006-100	NCR	0 mo
IRK	Directional Coupler	Amplifier Research	DC3400A	11/16/2007	12 mo
SPQ	Power Head	Amplifier Research	PH2000	12/14/2007	12 mo
SPX	Power Head	Amplifier Research	PH2000	12/14/2007	12 mo
SPZ	Power Meter	Amplifier Research	PM2002	12/14/2007	12 mo
TAC	RF Amplifier	Amplifier Research	150A100A	NCR	0 mo
TGY	Signal Generator	Rohde & Schwarz	SMB100A	11/21/2007	12 mo

Results	Meets NWEMC Performance Criteria 1	
Criteria - The EUT exhibited no change in performance when operating as specified by the manufacturer.		

