



Compliance Testing, LLC

Previously Flom Test Lab

EMI, EMC, RF Testing Experts Since 1963

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Test Report

Prepared for: Blackboard, Inc.

Model: MRD5

Description: Hand-held device that reads mag-stripe and contactless cards and operates as a peripheral device to a host such as a smart phone or tablet.

FCC ID: TMEBBMRD5X010

To

FCC Part 1.1310

Date of Issue: March 16, 2015

On the behalf of the applicant:

Blackboard, Inc.
22601 N 19th Ave
Suite 130
Phoenix, AZ 85027

Attention of:

Tim Mattson, Sr. Engineer
Ph: (623) 476-1141
E-Mail: Tim.Mattson@blackboard.com

Prepared By
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Project No: p1520011

Alex Macon
Project Test Engineer

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All results contained herein relate only to the sample tested



Test Report Revision History

Revision	Date	Revised By	Reason for Revision
1.0	March 10, 2015	Alex Macon	Original Document



ILAC / A2LA

Compliance Testing, LLC, has been accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer joint ISO-ILAC-IAF Communiqué dated January 2009)

The tests results contained within this test report all fall within our scope of accreditation, unless below

Please refer to <http://www.compliancetesting.com/labscope.html> for current scope of accreditation.

Testing Certificate Number: **2152.01**



FCC Site Reg. #349717

IC Site Reg. #2044A-2

Non-accredited tests contained in this report:

N/A

EUT Description

Model: MRD5

Description: Hand-held device that reads mag-stripe and contactless cards and operates as a peripheral device to a host such as a smart phone or tablet

S/N: N/A

Additional Information: The EUT was placed in a continuous transmit mode during testing.



Test Data:

Tuned Frequency (MHz)	Radiated Peak Output Power (mW)	Duty Cycle
13.56	.000028	100%

MPE Evaluation

This is a portable device used in Uncontrolled Exposure environment.

**Limits Uncontrolled Exposure
47 CFR 1.1310
Table 1, (B)**

0.3-1.234 MHz:	Limit [mW/cm ²] = 100
1.34-30 MHz:	Limit [mW/cm ²] = (180/f ²)
30-300 MHz:	Limit [mW/cm ²] = 0.2
300-1500 MHz:	Limit [mW/cm ²] = f/1500
1500-100,000 MHz	Limit [mW/cm ²] = 1.0

Test Data

Test Frequency, MHz	13.56
Power, Radiated, mW (P)	.000028
Antenna Type	Printed circuit
Distance (R)	20 cm

$S = \frac{P * G}{4\pi r^2}$			
Power Density (S) mW/cm ²	Power mW (P)	Numeric Gain (G)	Distance (r ²) cm
	.000028	1	20

Power Density (S) = 0.0000000557
Limit =(from above table) = 0.9789 mW/cm ²

END OF TEST REPORT