



An ISO/IEC 17025 Accredited and ISO 9001 Registered Test Laboratory

Certificate of Conformance

QR216-01 Rev. -

SignalVault, LLC.
1759 Santee Avenue
Deltona, Florida 32738

Certification Number: 09207-100810
Date: 03 November 2014
Purchase Order: CK1004

ELECTROMAGNETIC INTERFERENCE TESTING

1. On 01 November 2014, Qualtest, Inc. conducted a radio-frequency identification jamming test on one (1) SignalVault P/N SV.V2-1 Signal Vault V.2 Card Protector and one (1) SignalVault P/N SV.V1 Signal Vault V.1 Card Protector. Testing was conducted in accordance with the SignalVault RFID Test Procedures and Parameters for the SignalVault Credit and Debit Card Protector and SignalVault Prototype Version 2, dated 2014-10-29. Radio-frequency identification jamming testing was performed by Qualtest employee Gene DeVito. Testing commenced by ensuring that the RFID reader was working properly by energizing the reader and scanning the test credit card with it. Once the RFID's proper operation was established, the SignalVault V.1 Card Protector was placed 2cm from the back of the RFID with the test credit card placed on top of the protector. If the RFID failed to scan the credit card, the Card Protector passed the test. This procedure was repeated for the front side of the RFID and then both tests were performed in the same manner for the SignalVault V.2. After these scans had been completed, both Card Protectors were subjected to the E-Field creation test. With the Card Protector 2 cm from the RFID, the test credit card was moved in front of, and then behind the Card Protector to determine whether or not the card protector E-Field could jam the RFID reading. Test results indicated that the both Card Protector E-Fields blocked the RFID reading. See Table 1 for a listing of all exposures and jamming effectiveness.

Note that this certificate applies only to the test services provided by Qualtest. Any test item operational checks, measurements and inspections performed by the customer before, during or after the test are outside the scope of this certificate.

Approved By:

A handwritten signature in black ink, appearing to read "Gene DeVito", is written over a horizontal line.

Gene DeVito, EMI/EMC Test Services Manager, Qualtest, Inc.

Environmental Simulation Services: Climatic, Dynamic, EMC, and Fluid Power

5325 Old Winter Garden Road • Orlando, Florida 32811 • (407) 293-5844 • FAX (407) 297-7376
Website: www.qualtest.com • E-mail: info@qualtest.com

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TABLE 1: TEST RESULTS

Test Step	Date (2014)	Time	Comments
1, Verify RFID Reader Works Properly	11-01	0910	RFID Reader Works Properly.
2, Behind Test Card	11-01	0911	Pass, Both Cards Tested Back to Back
3, In Front of Test Card	11-01	0914	Pass, Both Cards Tested Back to Back
4, E-Field Creation	11-01	0915	Pass, Both Cards Tested Back to Back

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Figure 1: Overall Setup Photo

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Figure 2: Step 1 (Card Reader, Verification of Proper RFID Operation)

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Figure 3: Step 2 (SignalVault V.1, Back Side Scan)

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Figure 4: Step 2 (SignalVault V.2, Back Side Scan)

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Figure 5: Step 2 (SignalVault V.1, Front Side Scan)

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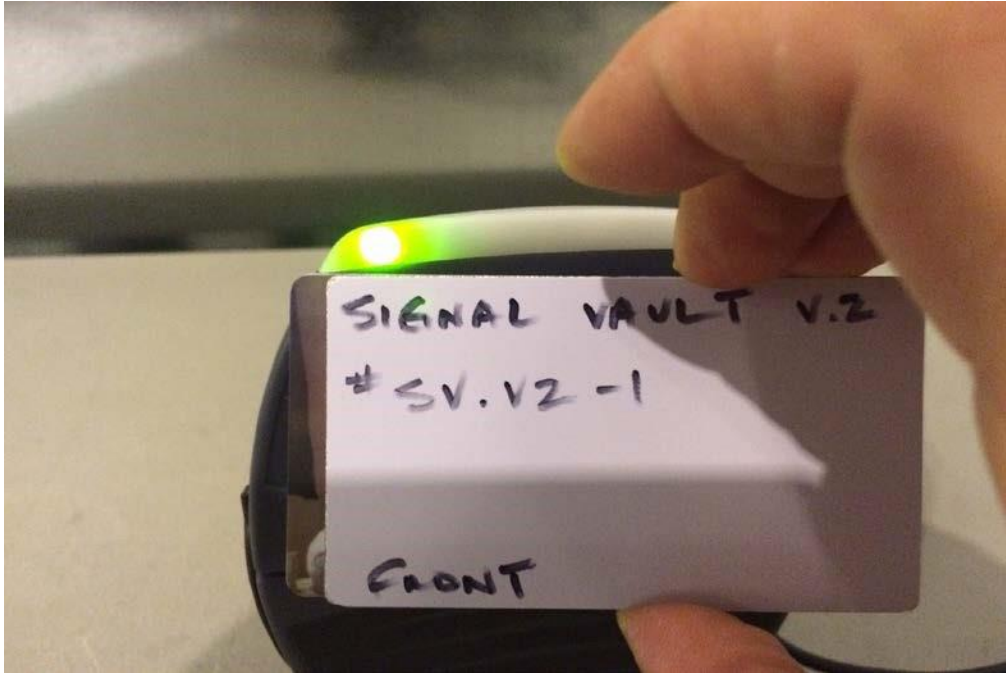


Figure 6: Step 2 (SignalVault V.2, Front Side Scan)

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