



CLIENT: VotingWorks

PROJECT: VXScan

DOCUMENT NUMBER: VWX-002-D006

DOCUMENT TITLE: 3.1 Immunity Test Report

REVISION: X01

DATE: 7/24/2024

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1.0 PURPOSE AND SCOPE

The purpose of this test is to verify that the VXScan device meets the requirements for radiated immunity.

2.0 REFERENCES

2.1 Internal References

Document Number	Document Title
N/A	VxScan v3.1 and v4.0 Tests of Normal Function, 5/20/2024 Version

2.2 External References

Document Number	Document Title
IEC 61000-4-3	Part 4-3 : Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test

3.0 ACRONYMS AND TERMS DEFINED

Acronym	Definition
EUT	Equipment Under Test
NRTL	Nationally Recognized Testing Laboratory

4.0 ITEMS UNDER TEST, MATERIALS, EQUIPMENT, AND CONDITIONS

4.1 Items Under Test


Item	Item #	Rev	Lot #	Sample Size
EUT	VXScan	3.1	n/a	1

4.2 Conditions

The tests are performed in a shielded room.

5.0 PROCEDURE

The device is placed on a table at one end of a shielded room. An antenna is at the opposite end. Frequency sweeps from 80MHz to 1GHz and four fixed frequencies of 1.8GHz, 2.6GHz, 3.5GHz and 5GHZ are transmitted from the antenna. The test is repeated with each of the four sides of the device facing the antenna and with the antenna oriented horizontally and vertically.

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6.0 ACCEPTANCE CRITERIA

The device either continues to operate normally during the test or any disruptions are recoverable.

7.0 RESULTS

The EUT continued operating without disruption during the test. Test passed.

8.0 CONCLUSION


The EUT passes the radiated immunity test with no issues.

DRAFT

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