

## Test Report

Prepared for: Valley Forge & Bolt Manf

Model: SPC4-720-DL

Serial Number: NA

Project No: p2510011

FCC ID: 2BN58-SPC4-720-DL

Test Results: Pass

To

FCC Part 1.1310

FCC Part 1.1307

Date of Issue: September 22, 2025

On the behalf of the applicant:

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Attention of:

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Project No: p2510010



John Michalowicz  
Project Test Engineer

### Test Report Revision History

| Revision | Date               | Revised By       | Reason for Revision |
|----------|--------------------|------------------|---------------------|
| 1.0      | September 22, 2025 | John Michalowicz | Original Document   |
|          |                    |                  |                     |
|          |                    |                  |                     |

## ANAB

Compliance Testing, LLC, has been accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to the joint ISO-ILAC-IAF Communiqué dated January 2009).

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

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



FCC Site Reg. #750616

IC Site Reg. #2044A-2

Non-accredited tests contained in this report:

N/A

### EUT Description

|                                |                                                                                                        |
|--------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Model:</b>                  | <b>SPC4-720 Gateway</b>                                                                                |
| <b>Serial:</b>                 | <b>23-w69929-1</b>                                                                                     |
| <b>Firmware:</b>               | <b>RFGateway_1.16</b>                                                                                  |
| <b>Software:</b>               | <b>NA</b>                                                                                              |
| <b>Description:</b>            | <b>915 MHz Gateway</b>                                                                                 |
| <b>Additional Information:</b> | <b>Radio Frequency Range and Operational Info: 902 – 928 MHz, 55.5kbps<br/>Usage: Fixed-Use/Mobile</b> |
| <b>Receipt of Sample(s):</b>   | <b>March 14<sup>th</sup>, 2025</b>                                                                     |
| <b>EUT Condition:</b>          | <b>Visual Damage No</b><br><b>State of Development Production/Production Equivalent</b>                |

### Average Power calculations

Average Power = Peak Power \* duty-cycle%

| Tuned Frequency<br>(MHz) | Radiated Peak Output Power<br>(mW) | Duty Cycle<br>(%) | Average Power<br>(mW) |
|--------------------------|------------------------------------|-------------------|-----------------------|
| 902.5                    | 47.86                              | 100               | 47.86                 |

## MPE Evaluation

This is a fixed device used in Uncontrolled Exposure environment.

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

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

### Test Data

|                          |               |
|--------------------------|---------------|
| Test Frequency, MHz      | 902.5         |
| Power, Radiated, mW (P)  | 47.86         |
| Antenna Gain Isotropic   | 3 dBi         |
| Antenna Gain Numeric (G) | 2.0           |
| Antenna Type             | Flex Monopole |
| Distance (R)             | 20 cm         |

|                                      |
|--------------------------------------|
| $S = \frac{P * G}{4\pi r^2}$         |
| Power Density (S) mw/cm <sup>2</sup> |
| 0.0095495782                         |

|                                  |
|----------------------------------|
| Power Density (S) = 0.0095495782 |
| Limit = (from above table) = 1.0 |

**Note: Max output power value is obtained from associated report.**

The output power of the EUT complies with the MPE requirements at 20cm distance.

END OF TEST REPORT