



Test Report

Prepared for: Valley Forge & Bolt Manf

Model: SPC4-720R-01T

Serial Number: NA

Project No: p2510010

FCC ID: 2BN58-SPC4-720R-01T

Test Results: Pass

To

FCCPart 1.1310
FCC Part 1.1307

Date of Issue: September 22, 2025

On the behalf of the applicant:

Valley Forge & Bolt Manf
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Attention of:

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Prepared By
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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

Model:	SPC4-720R-01T
Serial:	NA
Firmware:	Probe_CT_902.5Mhz-135FDEV_16dBm.hex Probe_CT_915Mhz-135FDEV_16dBm.hex Probe_CT_927.5Mhz-135FDEV_16dBm.hex
Software:	NA
Description:	SPC4® 915mhz Load Monitor
Additional Information:	Radio Frequency Range and Operational Info: 902 – 928 MHz, GFSK modulation with 130 kHz deviation. 55.5kbps Usage: Fixed-Use/Mobile
Receipt of Sample(s):	March 14 th , 2025
EUT Condition:	Visual Damage No State of Development Engineering Sample/Prototype

Average Power calculations

Average Power = Peak Power * duty-cycle%

Tuned Frequency (MHz)	Radiated Peak Output Power (mW)	Duty Cycle (%)	Average Power (mW)
927.5	55.34	100	55.34

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 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	927.5
Power, Radiated, mW (P)	55.34
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 ²
0.0110349355

Power Density (S) = 0.0110349355
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