

TEST REPORT

Product Name : Sense+ Door Control
Model Number : SPDC72
FCC ID : 2AFIW-SPDC72

Prepared for : GL Technologies (Hong Kong) Limited
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Report Number : ENS2503140259W04802R
Date of sample receipt : Mar 14, 2025
Date(s) of Tests : Mar 14, 2025 to May 15, 2025
Date of issue : May 16, 2025

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1. TEST RESULT CERTIFICATION

Applicant : GL Technologies (Hong Kong) Limited

Address: : Unit 601, Building 5W, Hong Kong Science Park, Shatin, N.T., Hong Kong

Manufacturer : GL Technologies (Hong Kong) Limited

Address: : Unit 601, Building 5W, Hong Kong Science Park, Shatin, N.T., Hong Kong

Factory : Shenzhen Tuodi Electronics Co., Ltd

Address: : 3th floor, 29 building YongFa North industrial park, Gonghe Shajing Baoan
Shenzhen

EUT : Sense+ Door Control

Model Name : SPDC72

Trademark : Lafaer

Measurement Procedure Used:

APPLICABLE STANDARDS	
STANDARD	TEST RESULT
§ 15.247(i), § 2.1093	PASS

The above equipment was tested by EMTEK (SHENZHEN) CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules FCC § 15.247(i), § 2.1093.

The test results of this report relate only to the tested sample identified in this report

Date of Test : Mar 14, 2025 to May 15, 2025

Prepared by : 
Una Yu /Editor

Reviewer : 
Joe Xia/Supervisor

Approve & Authorized Signer : 
Lisa Wang/Manager



Modified History

Version	Report No.	Revision Date	Summary
	ENS2503140259W04802R	/	Original Report



2. EUT Specification

Characteristics	Description
Product:	Sense+ Door Control
Model Number:	SPDC72.
Sample:	1#
Modulation:	ASK
Operating Frequency Range(s):	433.92MHz
Number of Channels:	1 channel;
Transmit Power Max:	65.47 dBuV@3m
Antenna Gain:	0 dBi
Power supply:	DC 3V form battery
Evaluation applied:	☐ MPE Evaluation ☒ SAR Evaluation

3. Test Requirement

SAR Evaluation

According to 447498 D01 V06, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot$

$[\sqrt{f_{(\text{GHz})}}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR,²⁴ where

- $f_{(\text{GHz})}$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation²⁵
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum *test separation distance* is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum *test separation distance* is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

Routine SAR evaluation refers to that specifically required by § 2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to qualify for TCB approval. One antenna is available for the EUT. The minimum separation distance is 5mm.

4. Measurement Result

433MHz

Antenna gain: 0 dBi

Channel Freq. (MHz)	Max Field Strength (dBuV/m)	peak output power (dBm)	Tune up Power (dBm)	Max tune up power (dBm)	Calculation Result	Calculation threshold(1-g SAR)
433.92	65.47	-29.76	-29±1	-28	0.000209	3

*** End of Report ***

