

TEST REPORT

Product Name : Power Distribution Unit
Model Number : SLPU-0680SA
FCC ID : 2BT3O-0680SA

Prepared for : Self Electronics Co., Ltd.
Address : No. 1345 Ju Xian Road SHENZHEN Hi Tech Park
SHENZHEN 315103 P.R. China

Prepared by : EMTEK (SHENZHEN) CO., LTD.
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Report Number : ENS2510310022W00502R
Date(s) of Tests : October 31, 2025 to January 06, 2026
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Test Report Description

Applicant : Self Electronics Co., Ltd.

Address : No. 1345 Ju Xian Road SHENZHEN Hi Tech Park SHENZHEN 315103 P.R. China

Manufacturer : Self Electronics Co., Ltd.

Address : No. 1345 Ju Xian Road SHENZHEN Hi Tech Park SHENZHEN 315103 P.R. China

EUT : Power Distribution Unit

Model Name : SLPU-0680SA

Trademark : Self

The device described above is tested by EMTEK (SHENZHEN) CO., LTD. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. This report shows the EUT to be technically compliant with the FCC 1.1310 and KDB 447498 D01 General RF Exposure Guidance v07 requirements. The test results are contained in this report and EMTEK (SHENZHEN) CO., LTD. is assumed full responsibility for the accuracy and completeness of these tests.

This report applies to above tested sample only and shall not be reproduced in part without written approval of EMTEK (SHENZHEN) CO., LTD.

Date of Test : October 31, 2025 to January 06, 2026

Prepared by :



Una Yu /Editor

Reviewer :



Joe Xia /Supervisor

Approve & Authorized Signer :



Lisa Wang /Manager



Modified Information

Version	Report No.	Revision Date	Summary
/	ENS2510310022W00502R	/	Original Report



1. Facilities And Accreditations

1.1. Test Facility

All measurement facilities used to collect the measurement data are located at
EMTEK (Shenzhen) Co., Ltd.

Building 69, Majialong Industry Zone District, Nanshan District, Shenzhen, China
The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.10 and CISPR
Publication 32.

1.2. LABORATORY ACCREDITATIONS AND LISTINGS

Site Description

EMC Lab.

: **Accredited by CNAS**

The Certificate Registration Number is L2291

The Laboratory has been assessed and proved to be in compliance with
CNAS-CL01 (identical to ISO/IEC 17025:2017)

Accredited by FCC

Designation Number: CN1204

Test Firm Registration Number: 882943

Accredited by A2LA

The Certificate Number is 4321.01

Accredited by Industry Canada

The Conformity Assessment Body Identifier is CN0008

Name of Firm : EMTEK (SHENZHEN) CO., LTD.

Site Location : Building 69, Majialong Industry Zone, Nanshan District, Shenzhen,
Guangdong, China

2. General Product Information

Product:	Power Distribution Unit
Model Number:	SLPU-0680SA
Sample Number:	ENS2510310022W005-1-1
Test Voltage:	DC 3.3V
Modulation:	MSK
Frequency Range:	2436.199 MHz
Max Transmit Power:	87.73 dBuV/m
Antenna:	PCB antenna
Antenna Gain:	9.5 dBi
Temperature Range:	-20°C ~ 35°C
Date of Received:	October 31, 2025

Note: for more details, please refer to the User's manual of the EUT.

3. Limit

According to §15.249(i) and §1.1307(b)(1), 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.

According to KDB447498 D01 General RF Exposure Guidance V07

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:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] * [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

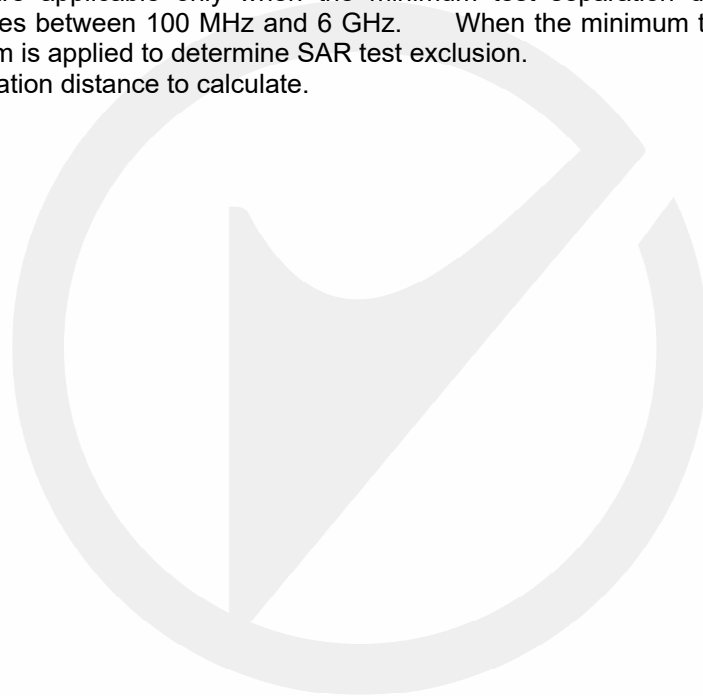
$f(\text{GHz})$ is the RF channel transmit frequency in GHz;

Power and distance are rounded to the nearest mW and mm before calculation;

The result is rounded to one decimal place for comparison;

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 is applied to determine SAR test exclusion.

We use 5mm as separation distance to calculate.



4. Test Results

Maximum measured transmitter power:
 $EIRP = E + 20 \log(d) - 104.7 = 87.73 + 9.54 - 104.7 = -7.43 \text{ dBm}$

Transmit Frequency (MHz)	Mode	EIRP Power (dBm)	tune up maximum power(dBm)	Result calculation	1-g SAR
2436.199	MSK	-7.43 dBm	-7.0	0.01	3

Conclusion:
 For the max result : $0.01 \leq 3.0$ for 1-g SAR extremity SAR.

*** End of Report ***

