

TEST REPORT

Product Name : Shiftall dongle One
Model Number : SVP-DM1B
FCC ID : 2A4GC-SVPDM1

Prepared for : Shiftall Inc.
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1. TEST RESULT CERTIFICATION

Applicant : Shiftall Inc.
Address : 4F TokyoDaiwa Bldg., 2-6-10 Nihonbashibakurocho, Chuo, Tokyo, Japan
Manufacturer : Shiftall Inc.
Address : 4F TokyoDaiwa Bldg., 2-6-10 Nihonbashibakurocho, Chuo, Tokyo, Japan
Factory : Shenzhen PCBA-TECH CO.,Ltd.
Address : 2211-B315,3F,Xincheng Plaza Bldg.,Xixiang Street,Baoan,Shenzhen
EUT : Shiftall dongle One
Model Name : SVP-DM1B
Trademark : Shiftall dongle One

Measurement Procedure Used:

APPLICABLE STANDARDS	
STANDARD	TEST RESULT
FCC 1.1310: §1.1307(b)	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 1.1310: §1.1307(b).

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

Date of Test : May 29, 2023 to July 04, 2023

Prepared by : Una Yu /Editor
Reviewer : 
Joe Xia/Supervisor
Approved & Authorized Signer : 
Lisa Wang/Manager



Modified History

Version	Report No.	Revision Date	Summary
	ENS2308010104E00302R	/	Original Report



2. EUT Specification

Characteristics	Description
Product:	Shiftall dongle One
Model Number:	SVP-DM1B
Sample:	1#
Device Type:	2.4G WIFI
Data Rate:	802.11b
Modulation:	DSSS with DBPSK/DQPSK/CCK for 802.11b
Operating Frequency Range(s) :	2412-2462MHz for 802.11b
Number of Channels:	11 channels for 802.11b
Transmit Power Max:	7.23 dBm(0.005284W)
Antenna Gain:	3.42 dBi
Power supply:	DC 5V
Evaluation applied:	☐ MPE Evaluation ☒ SAR Evaluation

3. Test Requirement

RF EXPOSURE EVALUATION

According to §15.247(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.

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:

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f_{(\text{GHz})}}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR,}^{24} \text{ where}$$

- $f_{(\text{GHz})}$ 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

Antenna gain: 3.42 dBi

Transmit Frequency (MHz)	Mode	Measured Power (dBm)	Tune up Power (dBm)	Max tune up power (dBm)	Calculation Result	1-g SAR
2412	802.11b	6.55	6±1	7	1.5567492	3
2437	802.11b	7.23	7±1	8	1.9699616	3
2462	802.11b	6.12	6±1	7	1.5728019	3

*** End of Report ***

