

# TEST REPORT

**Product Name** : Bluetooth Converter  
**Brand Mark** : N/A  
**Model No.** : SR-BL2421-SVVT  
**FCC ID** : 2AHST-XX2421  
**Report Number** : BLA-EMC-202209-A3603  
**Date of Sample Receipt** : 2022/9/16  
**Date of Test** : 2022/9/19 to 2022/9/28  
**Date of Issue** : 2022/9/28  
**Product Name** : Bluetooth Converter  
**Test Standard** : 47 CFR Part 15, Part1.1307  
47 CFR Part 15, Part2.1093  
KDB447498 D01 General RF Exposure Guidance v06  
**Test Result** : Pass

**Extension Model:**

SR-BL2421-SVVT, ALBV 20A UNV, ALBV 5A UNV, CO-BA-1, CO-BA-2, CO-BD-1, C-T20-17-DJ00, DR-BV-1, SR-BL1029-SVT, SR-BL2421-SVD, SR-BL2421-SVV, SRPF-SV9105-50CCT, SR-SBP2801K4-BLE(US), SR-SBP2801K4-BLE(US)-E, SR-SBP2801K4-BLE, SR-SBP2801K4-BLE-E, SR-SV2835PAC-V(US), SW-2A-1, SW-4B-1, SW-4H-1, WLC/BT-PWPK-20A-UNV-10A-A, WLC/BT-PWPK-5A-UNV-10A-A, SR-XX2421-YYY, SR-XXX280YYY-ZZZZZ, SR-XX28YYYYY-ZZZ “X”, “Y”, “Z” indicates the customer code for market purpose, it could be alphanumeric characters or blank.



Prepared for:

**Shenzhen Sunricher Technology Limited**  
**3rd Floor, B building, Jia'an Industrial Building, Liu Xian Third road, No.72**  
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Date: 2022/9/28



**REPORT REVISE RECORD**

<b>Version No.</b>	<b>Date</b>	<b>Description</b>
00	2022/9/28	Original

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## 1 TEST SUMMARY

Test item	Test Requirement	Test Method	Class/Severity	Result
RF Exposure	47 CFR Part 1.1307, Part 2.1093, KDB 447498	CFR 47 Part 2.1093	CFR 47 Part 2.1093	PASS

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## 2 GENERAL INFORMATION

<b>Applicant</b>	Shenzhen Sunricher Technology Limited
<b>Address</b>	3rd Floor, B building, Jia'an Industrial Building, Liu Xian Third road, No.72 area, Xin'an Street, Baoan District, Shenzhen, China
<b>Manufacturer</b>	Shenzhen Sunricher Technology Limited
<b>Address</b>	3rd Floor, B building, Jia'an Industrial Building, Liu Xian Third road, No.72 area, Xin'an Street, Baoan District, Shenzhen, China
<b>Product Name</b>	Bluetooth Converter
<b>Test Model No.</b>	SR-BL2421-SVVT

## 3 GENERAL DESCRIPTION OF E.U.T.

<b>Hardware Version</b>	V1.2
<b>Software Version</b>	V1.2
<b>Operation Frequency:</b>	2402MHz-2480MHz
<b>Modulation Type:</b>	GFSK
<b>Channel Spacing:</b>	2MHz
<b>Data Rate</b>	1Mbps;2Mbps
<b>Number of Channels:</b>	40
<b>Antenna Type:</b>	Outlay Antenna
<b>Antenna Gain:</b>	0dBi

#### 4 LABORATORY LOCATION

All tests were performed at:

BlueAsia of Technical Services(Shenzhen) Co., Ltd.

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No tests were sub-contracted.

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## 5 RF EXPOSURE COMPLIANCE REQUIREMENT

SAR evaluation

MPE Calculation Method

$$E \text{ (V/m)} = (30 * P * G) / d$$

$$\text{Power Density: } Pd \text{ (W/m}^2\text{)} = E^2 / 377$$

E = Electric Field (V/m)

P = Peak RF output Power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

$$Pd = (30 * P * G) / (377 * d^2)$$

From the peak EUT RF output power, the minimum mobile separation distance,  $d=0.2\text{m}$ , as well as the gain of the used antenna, the RF power density can be obtained.

Directional Antenna Gain (Numeric)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
1mW ( 0dBi )	0.813mW ( -0.9dBm )	0.00016	1	Complies

----END OF REPORT----

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