



Shenzhen BANTEK Testing Co., Ltd.

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Report No.: BTEK230822013AE003
FCC ID: 2A8MI-AAD06

RF Exposure Evaluation Report

Application No.: BTEK230822013AE
Applicant: Jiang Su Yisin Tech Co., Ltd
Address of Applicant: Rm.103, Bldg.1, No.10, Wenzhou Rd., ETDZ, Shuyang County, Suqian, Jiangsu, China
Manufacturer: Jiang Su Yisin Tech Co., Ltd
Address of Manufacturer: Rm.103, Bldg.1, No.10, Wenzhou Rd., ETDZ, Shuyang County, Suqian, Jiangsu, China
Factory: Rayson Technology (SZ) Co., Ltd.
Address of Factory: No.1, Tongfu 1st Road, The 2nd industrial Zone, Loucun, Guangming New District, Shenzhen, China
Equipment Under Test (EUT):
EUT Name: TX Dongle
Model No.: AAD06
Trade Mark: LHDC ONE
Standard(s) : 47 CFR Part 2 Subpart J Section 2.1093
Date of Receipt: 2023-09-15
Date of Test: 2023-09-18 to 2023-10-11
Date of Issue: 2023-10-11

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.

Damon Su
EMC Laboratory Manager

ShenZhen BANTEK Testing Co.,Ltd.

Add : A5&A6, Building B1&B2, No.45 Gangtou Road, Bogang Community, Shajing Street
Bao'an District, Shenzhen, Guangdong, China 518104

Tel : +(86)755-2334 4200 E-mail : Service@btek-lab.com Web : www.btek-lab.com





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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2023-10-11		Original

Authorized for issue by:			
			
		Keven Tan /Project Engineer	
			
		Carl Yang /Reviewer	





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3 General Information

3.1 Details of E.U.T.

Power supply:	DC 5V
For Bluetooth:	
Operation Frequency:	2402MHz to 2480MHz
Modulation Type:	GFSK, $\pi/4$ DQPSK, 8DPSK
Channel Spacing:	1MHz
Number of Channels:	79
Antenna Type:	Chip Antenna
Antenna Gain:	1.72dBi
Hardware Version	V1.2
Software and Firmware Version	V0_0_0_80010
Sample No.:	BTEK230822E013-1/1
For BLE:	
Operation Frequency:	2402MHz to 2480MHz
Modulation Type:	GFSK
Channel Spacing:	2MHz
Date Rate:	1Mbps
Number of Channels:	40
Antenna Type:	Chip Antenna
Antenna Gain:	1.72dBi
Hardware Version	V1.2
Software and Firmware Version	V0_0_0_80010
Sample No.:	BTEK230822E013-1/1
Remark: The information in this section is provided by the applicant or manufacturer, BANTEK is not liable to the accuracy, suitability, reliability or/and integrity of the information.	

3.2 Description of Support Units

The EUT has been tested as an independent unit.



3.3 Test Location

All tests were performed at:

Shenzhen BANTEK Testing Co., Ltd.

A5&A6, Building B1&B2, No.45 Gangtuo Road, Bogang Community, Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Tel:0755-2334 4200 Fax: 0755-2334 4200

FCC Registration Number: 264293

Designation Number: CN1356

No tests were sub-contracted.

3.4 Deviation from Standards

None

3.5 Abnormalities from Standard Conditions

None



4 Test Requirement

KDB447498 D01 General RF Exposure Guidance v06, Clause 4.3.1(a)

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$$

Where

-f(GHz) is the RF channel transmit frequency in GHz

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

-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 4.1 f) is applied to determine SAR test exclusion.

4.1 Test Data and Test Result

Type	Frequency (MHz)	Conducted Power (dBm)	Maximum Tune-up (dBm)	Calculating data	Limit	Result
BT	2480	1.69	2	0.46	3.0	Pass
BT-BLE	2480	-1.11	0	0.24	3.0	Pass

Note: The exposure evaluation safety distance is 5mm.

5 EUT Constructional Details

Refer to Appendix - External and Internal Appendix EUT Photos.

