

TEST REPORT

Product Name : True wireless earbuds
Brand Mark : N/A
Model No. : M14
Extension model : Lives E1
FCC ID : 2AXI9-M14
Report Number : BLA-EMC-202112-A12503
Date of Sample Receipt : 2021/12/29
Date of Test : 2021/12/29 to 2022/1/20
Date of Issue : 2022/1/20
Test Standard : 47 CFR Part 1.1307, Part 2.1093, KDB
447498
Test Result : Pass

Prepared for:

Shenzhen RB-LINK Intelligent Technology Co., Ltd
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Prepared by:

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Date:

2022/1/20



REPORT REVISE RECORD

Version No.	Date	Description
00	2022/1/20	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

Applicant	Shenzhen RB-LINK Intelligent Technology Co., Ltd
Address	Room 401, Building C, Runhe Industrial Park, Zhentou Road, Nandong, Huangpu Community, Xinqiao Street, Baoan District, Shenzhen
Manufacturer	Shenzhen RB-LINK Intelligent Technology Co., Ltd
Address	Room 401, Building C, Runhe Industrial Park, Zhentou Road, Nandong, Huangpu Community, Xinqiao Street, Baoan District, Shenzhen
Factory	Shenzhen RB-LINK Intelligent Technology Co., Ltd
Address	Room 401, Building C, Runhe Industrial Park, Zhentou Road, Nandong, Huangpu Community, Xinqiao Street, Baoan District, Shenzhen
Product Name	True wireless earbuds
Test Model No.	M14

3 GENERAL DESCRIPTION OF E.U.T.

Hardware Version	M13_L_V1.2_20210915 M13_R_V1.2_20210915
Software Version	RB-M14-BT8922E2(Lives E1)-20211209v1-6E6C73F8_062EBF85_C45_D
Operation Frequency:	2402MHz-2480MHz
Modulation Type:	GFSK, $\pi/4$ DQPSK
Channel Spacing:	1MHz
Number of Channels:	79
Antenna Type:	Internal Antenna
Antenna Gain:	0.36dBi(Provided by the applicant)

4 LABORATORY LOCATION

All tests were performed at:
 BlueAsia of Technical Services(Shenzhen) Co., Ltd.
 Building C, No. 107, Shihuan Road, Shiyuan Sub-District, Baoan District, Shenzhen, Guangdong Province, China
 Telephone: TEL: +86-755-28682673 FAX: +86-755-28682673
 No tests were sub-contracted.

5 RF EXPOSURE COMPLIANCE REQUIREMENT

5.1 STANDARD REQUIREMENT

According to KDB447498D01 General RF Exposure Guidance v06

Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

5.2 LIMITS

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, where

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

Power and distance are rounded to the nearest mW and mm before calculation¹⁷

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

5.3 EUT RF EXPOSURE

Operational Mode: $\pi/4$ DQPSK						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dB)	Maximum tune-up Power		Calculated value	Exclusion threshold
			(dBm)	(mW)		
2402 MHz	2.412	± 1	3.412	2.19	0.68	3.0
2441 MHz	3.106	± 1	4.106	2.57	0.80	
2480 MHz	3.748	± 1	4.748	2.98	0.94	
Conclusion: the calculated value ≤ 3.0 , SAR is exempted.						

----END OF REPORT----

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