EN 62311 TEST REPORT

Equipment under Test	:	Activity Tracker
Trade Mark	:	N/A
Model /Type	:	H59
Listed Models	:	DS01,DS02,DS03,DS04,DS05,DS06,DS07,DS08,DS09,DS10

Applicant	:	Shenzhen Lexqi Electronic Technology Co., Ltd
Address	:	12F, Building D1, Huilongda Industrial Park, Shilong Community, Shiyan Street, Baoan District, Shenzhen
Manufacturer	:	Shenzhen Lexqi Electronic Technology Co., Ltd
Address	:	12F, Building D1, Huilongda Industrial Park, Shilong Community, Shiyan Street, Baoan District, Shenzhen

Laboratory	:	**Dongguan Anhua Testing Technology Co., Ltd.**
Address	:	Room 401, Building 1, No. 35, Liaobu Jinyuan Road, Liaobu, Dongguan, Guangdong, China
Tel	:	0769-86057700
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The test report merely corresponds to the test sample. It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Test Result:	**PASS**

TEST RESULT CERTIFICATION

Applicant's name..... Shenzhen Lexqi Electronic Technology Co., Ltd

Address..... 12F, Building D1, Huilongda Industrial Park, Shilong Community, Shiyan Street, Baoan District, Shenzhen

Manufacture's Name..... Shenzhen Lexqi Electronic Technology Co., Ltd

Address..... 12F, Building D1, Huilongda Industrial Park, Shilong Community, Shiyan Street, Baoan District, Shenzhen

Product description

Product name..... Activity Tracker

Model and/or type reference: H59

List Model..... N/A

Standards..... EN IEC 62311:2020

This device described above has been Testing Engineer by Anhua, and the test results show that the equipment under test (EUT) is in compliance with the 2014/53/EU RE Directive Art.3.1(a) requirements. And it is applicable only to the Testing Engineer sample identified in the report.

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Date of Test..... :

Date (s) of performance of tests.....: Dec. 16, 2024 ~ Dec. 24, 2024

Date of Issue.....: Dec. 24, 2024

Test APPENDIX I - PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS..... : **Pass**

Testing Engineer
by (name + signature)..... : (Shichang Liu)

Technical Manager
by (name + signature)..... : (Baofeng Ma)

Authorized Signatory
by (name + signature)..... : (Fanyong Zeng)



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1. GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF THE EUT

Product Name:	Activity Tracker
Trademark:	N/A
Model Name:	H59
Series Model:	DS01,DS02,DS03,DS04,DS05,DS06,DS07,DS08,DS09,DS10
Model Difference:	There is no difference except the name of the model. All tests are made with the H59 model.
Frequency Bands:	2402-2480MHz
Modulation Mode:	GFSK
Rating:	Input:DC 5V,0.1A
Battery:	DC 3.8V,150mAh
Hardware Version:	V1.0
Software Version:	V1.0

2. EN IEC 62311 REQUIREMENT

2.1 TEST STANDARDS

Equipment complying with the requirements for the general public is deemed to comply with the requirements for workers without further testing.

The measurements and calculations to demonstrate equipment compliance shall be made according to EN IEC 62311:2020, Clauses 4 and 5, The general considerations as defined in EN IEC 62311:2020, Clauses 4 and 5 shall apply to all equipment.

EN IEC 62311: 2020	Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz to 300 GHz)

2.2 HUMAN EXPOSURE TO THE ELECTROMAGNETIC FIELDS

According to EN IEC 62311:2020, the criteria listed in the following table shall be used to evaluate the environmental impact of human exposure to radio-frequency (RF) radiation as specified 1999/519/EC.

Reference levels for electric, magnetic and electromagnetic fields (0 Hz to 300 GHz, unperturbed rms values)

Frequency range	E-field strength (V/m)	H-field strength (A/m)	B-field (μT)	Equivalent plane wave power density S_{eq} (W/m²)
0-1 Hz	—	$3,2 \times 10^4$	4×10^4	—
1-8 Hz	10 000	$3,2 \times 10^4/f^2$	$4 \times 10^4/f^2$	—
8-25 Hz	10 000	4 000/f	5 000/f	—
0,025-0,8 kHz	250/f	4/f	5/f	—
0,8-3 kHz	250/f	5	6,25	—
3-150 kHz	87	5	6,25	—
0,15-1 MHz	87	0,73/f	0,92/f	—
1-10 MHz	$87/f^{1/2}$	0,73/f	0,92/f	—
10-400 MHz	28	0,073	0,092	2
400-2 000 MHz	$1,375\ f^{1/2}$	$0,0037\ f^{1/2}$	$0,0046\ f^{1/2}$	f/200
2-300 GHz	61	0,16	0,20	10

Notes:

1. f as indicated in the frequency range column.
2. For frequencies between 100 kHz and 10 GHz, S_{eq}, E^2, H^2, and B^2 are to be averaged over any six-minute period.
3. For frequencies exceeding 10 GHz, S_{eq}, E^2, H^2, and B^2 are to be averaged over any $68/f^{1.05}$ -minute period (f in GHz).
4. No E-field value is provided for frequencies < 1 Hz, which are effectively static electric fields. For most people the annoying perception of surface electric charges will not occur at field strengths less than 25 kV/m. Spark discharges causing stress or annoyance should be avoided.

2.3 HUMAN EXPOSURE ASSESSMENT			
EUT Parameter (data from the separate report)			
Max average output power in Watt (TP)	-4.79dBm=0.00033W		
Minimum distance in meter (r) (from transmitting structure to the human body)	20cm		
Exposure evaluation			
Given $S=E*H=E*H=P/4\pi r^2$ Yield:	Conclusion W/m^2	Limit W/m^2	Ratio
S1=(0.00033W)/(4*3.14*0.2*0.2)	0.0007	10	0.00007
Multiple transmission: S1 =0.00007＜1			
Note: With reference to Annex Ⅲ table 2 of EC Council Recommendation, it proves that the unit complies with the EN IEC 62311 for RF exposure requirement, So SAR testing is not required.			

3. APPENDIX I - PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS

Note: Please see the attached H59_EUT Photos.

※※※※※END OF THE REPORT※※※※※