

FCC RF EXPOSURE REPORT

For

Electronic Scale

MODEL NUMBER: UNI-8P

PROJECT NUMBER: 4790752179

REPORT NUMBER: 4790752179-9

FCC ID: 2BAGW-UNI8P

IC: 30176-UNI8P

HVIN: UNI-8P

ISSUE DATE: Apr. 20, 2023

Prepared for

SHANGHAI ISHIDA ELECTRONIC SCALES CO LTD

Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	04/20/2023	Initial Issue	



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1. ATTESTATION OF TEST RESULTS

Applicant I	nformation
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Company Name: SHANGHAI ISHIDA ELECTRONIC SCALES CO LTD Address: Building 2, No. 86, Minxue Rd, Pudong, Shanghai

Manufacturer Information

Company Name: SHANGHAI ISHIDA ELECTRONIC SCALES CO LTD Address: Building 2, No. 86, Minxue Rd, Pudong, Shanghai

EUT Description

Product Name: Electronic Scale

Model Name: UNI-8P

Additional No.:

Model Difference:

Sample Number: 5891986
Data of Receipt Sample: Mar. 27, 2023

Test Date: Mar. 27, 2023~ Apr. 18, 2023

APPLICABLE STANDARDS

STANDARD TEST RESULTS

FCC Guidelines for Human Exposure IEEE Complies

C95.1

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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with KDB 447498 D01 General RF Exposure Guidance v06 and FCC Guidelines for Human Exposure IEEE C95.1.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	A2LA (Certificate No.: 4829.01) UL-CCIC COMPANY LIMITED has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1247) UL-CCIC COMPANY LIMITED has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules. IC (IC Designation No.: 25056; CAB No.: CN0073) UL-CCIC COMPANY LIMITED has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules.
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Note 1: All tests measurement facilities use to collect the measurement data are located at No. 2, Chengwan Road, Suzhou Industrial Park, Suzhou 215122, China.

Note 2: For below 30MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. These measurements below 30MHz had been correlated to measurements performed on an OFS.

Note 3: The test anechoic chamber in UL-CCIC COMPANY LIMITED had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.



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4. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Uncertainty			
Output Power to Antenna	± 1.3dB			
Note: This uncertainty represents an expanded uncertainty expressed at approximately the				



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5. REQUIREMENT

LIMIT

Limits for General Population/Uncontrolled Exposure

Limits for General Population/Uncontrolled Exposure						
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time $ E ^2$, $ H ^2$ or S (minutes)		
0.3-1.34	614	1.63	(100)*	30		
1.34-30	824/f	2.19/f	(180/f2)*	30		
30-300	27.5	0.073	0.2	30		
300-1500			f/150	30		
1500-100,000			1.0	30		

Note 1: f = frequency in MHz, * means Plane-wave equivalent power density

Note 2: General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

Note 3: The limit value 1.0mW/cm² is available for this EUT.

MPE CALCULATION METHOD

 $S = PG/(4\pi R2)$

where: S = power density (in appropriate units, e.g. mW/ cm2)

P = power input to the antenna (in appropriate units, e.g., mW)

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)



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CALCULATED RESULTS

WIFI (Worst case)								
Mode	Frequency	Output Power to Antenna		Antenna Gain		Power Density	Limit	Verdict
	(MHz)	(dBm)	(mW)	(dBi)	(Numeric)	(mW/cm ²)	(mW/cm ²)	Voralet
11B	2437	13.5	22.39	6.51	4.48	0.02	1	Complies

Note:

- 1. The output power to antenna and antenna gain are from operation description.
- 2. The minimum separation distance of the device is greater than 20 cm.
- 3. All the modes and channels had been tested, but only the worst data was recorded in the report.
- 4. The calculated result for the sample received is <Pass> according to < 47 CFR FCC Part 2 Subpart J, section 2.1091> when <Accuracy Method> decision rule is applied.

END OF REPORT