



FCC RF EXPOSURE REPORT

For

CLEAN STATION

MODEL NUMBER: AA2237

PROJECT NUMBER: 4790804027

REPORT NUMBER: 4790804027-3

FCC ID: 2AV7A-AA01

IC: 26039-AA01

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Prepared for

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Prepared by

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The results reported herein have been performed in accordance with the laboratory's terms of accreditation. This report shall not be reproduced except in full without the written approval of the Laboratory. The results in this report apply to the test sample(s) mentioned above at the time of the testing period only and are not to be used to indicate applicability to other similar products.

Revision History

<u>Rev.</u>	<u>Issue Date</u>	<u>Revisions</u>	<u>Revised By</u>
V0	05/29/2023	Initial Issue	

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Tineco Intelligent Technology Co.,Ltd.
Address: No. 108 Shihu Road West, Wuzhong Zone Suzhou ,Jiangsu,China 215128

Manufacturer Information

Company Name: Tineco Intelligent Technology Co.,Ltd.
Address: No. 108 Shihu Road West, Wuzhong Zone Suzhou ,Jiangsu,China 215128

EUT Description

Product Name: CLEAN STATION
Model Number: AA2237
Sample Number: 5947707
Data of Receipt Sample: Apr. 04, 2023
Date Tested: Apr. 04, 2023~ May 28, 2023

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47CFR§2.1091	Complies
KDB-447498 D01 V06	

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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091.

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, People's Republic of 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.

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	0.69 dB

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

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)	PowerDensity (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/f ²) *	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

$$S = PG/(4\pi R^2)$$

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)

CALCULATED RESULTS

WIFI (Worst case)							
Mode	Output Power to Antenna		Antenna Gain		Power Density	Limit	Verdict
	(dBm)	(mW)	(dBi)	(Numeric)	(mW/cm ²)	(mW/cm ²)	
11G	15.5	35.48	-0.66	0.86	0.0061	1	Complies

BLE (Worst case)							
Mode	Output Power to Antenna		Antenna Gain		Power Density	Limit	Verdict
	(dBm)	(mW)	(dBi)	(Numeric)	(mW/cm ²)	(mW/cm ²)	
BLE	16.0	39.81	-0.66	0.86	0.0068	1	Complies

Note:

1. The output power to antenna is refer to the OD and antenna gain is referring to reports 4790804027-1& 4790804027-2.
2. The minimum separation distance of the device is more than 20 cm.
3. All the modes and channels had been tested, but only the data of the worst case is 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