FCC RF EXPOSURE REPORT

For

Central Controller Unit

MODEL NUMBER: H60A

PROJECT NUMBER: 4790218908

REPORT NUMBER: 4790218908-2

FCC ID: 2AYR9H60A

ISSUE DATE: Feb. 26, 2022

Prepared for

YADEA TECHNOLOGY GROUP CO., LTD.

Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	02/26/2022	Initial Issue	

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name:	YADEA TECHNOLOGY GROUP CO., LTD.
Address:	Dongsheng Road, Dacheng Industrial Zone, Anzhen, Xishan District Wuxi, China

Manufacturer Information

Company Name:	YADEA TECHNOLOGY GROUP CO., LTD.
Address:	Dongsheng Road, Dacheng Industrial Zone, Anzhen, Xishan District Wuxi, China

Factory Information

Company Name:	Wuhan Hekang Power Technology CO., LTD
Address:	No.6, Fozuling 3rd Road, Donghu Development Zone, Wuhan, Hubei, China

EUT Description

Product Name:	Central Controller Unit
Model Name:	H60A-2125-01
Additional No.:	/
Sample Number:	4445104
Data of Receipt Sample:	Nov. 29, 2021
Test Date:	Nov. 29, 2021 ~ Jan. 05, 2022

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
FCC Guidelines for Human Exposure IEEE C95.1	Complies

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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.**

Note: 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

4. 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/cm^2 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

Radio Frequency Radiation Exposure Evaluation

WIFI (Worst case)								
Mode	Channel	Output Power to Antenna		Antenna Gain		Power Density	Limit	Test Result
BLE	LCH	(dBm)	(mW)	(dBi)	(Numeric)	(mW/cm2)	(mW/cm2)	--
		-3.5	0.45	2.49	1.77	0.0002	1	Complies

Note: the calculated distance is 20cm.

END OF REPORT