

# FCC RF Exposure

**Applicant** : GLAZERO INTERNATIONAL INC

8 The Green, Suite A in the City of Dover. Zip code **Address** 

19901.

**Product Name** : aosu Homebase H2E **Brand Mark** : aosu, DEKCO, Saato

Model no. : H2E

DH2E, H2F, H2G, H2H, H2I, H2SDH2F, DH2G, DH2H, Series model

DH2I, DH2S

FCC ID : 2BACU-H2E

**Report Number** : BLA-EMC-202502-A7202

: Feb. 28, 2025 **Date of Receipt** 

**Date of Test** : Feb. 28, 2025 to Mar. 14, 2025

47 CFR Part 15, Part1.1307

**Test Standard** : 47 CFR Part 15, Part2.1093

KDB447498D04 General RF Exposure Guidance v01

**Test Result** Pass

Compiled by: Mark Um Review by: Sweets

Approved by

Mar. 15, 2025

BlueAsia of Technical Services(Shenzhen) Co.,Ltd.

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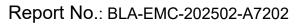






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# **Revise Record**

Version No.	Date	Description
01	Mar. 15, 2025	Original



## 1 General information

## 1.1 General information

Applicant	GLAZERO INTERNATIONAL INC			
Address	8 The Green,Suite A in the City of Dover.Zip code 19901.			
Manufacturer	GLAZERO INTERNATIONAL INC			
Address	8 The Green,Suite A in the City of Dover.Zip code 19901.			
Factory	Shenzhen Anran Security Technology Co., Ltd			
Address	290 jihua Road, Jihua street, Longgang District, Shenzhen			

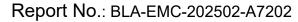
## 1.2 General description of EUT

Product Name	aosu Homebase H2E				
Model No.	H2E				
Series model	DH2E, H2F, H2G, H2H, H2I, H2SDH2F, DH2G, DH2H, DH2I, DH2S				
Differences of Series model	The software and hardware of the product are consistent between the reported model and the main certification model, and the difference is only used to distinguish differentsales channels				
Operation Frequency	802.11b/g/n(HT20): 2412MHz to 2462MHz 802.11n(HT40): 2422MHz to 2452MHz				
Modulation Type	802.11b: DSSS(CCK/QPSK/BPSK) 802.11g: OFDM(BPSK/QPSK/16QAM/64QAM) 802.11n (HT20 and HT40): OFDM (64QAM, 16QAM, QPSK, BPSK)				
Channel Spacing	5MHz				
Number of Channels	802.11b/g/n(HT20):11 802.11n(HT40):7				
Antenna Type	PIFA Antenna				
Antenna Gain	WIFI Ant 1:4.21dBi WIFI Ant 2:4.83dBi				
Power supply	Model:TPQ-228F120200UW01 Adapter 1 Input:100-240V, 50/60Hz 0.8A Device Input: 12.0V 2.0A				
	Model:TEKA-AD1B120200US Adapter 2 Input:100-240V, 50/60Hz 0.7A MAX Device Input: 12.0V 2.0A				
Hardware Version	N/A				
Software Version	N/A				

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Note: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.





## 2 RF Exposure Compliance Requirement

### 2.1 Standard Requirement

According to 447498 D04 Interim General RF Exposure Guidance v01

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.

#### 2.2 Limits

$$P_{\text{th}} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \le 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \le 40 \text{ cm} \end{cases}$$
(B. 2)

where

$$x = -\log_{10}\left(\frac{60}{ERP_{20 \text{ cm}}\sqrt{f}}\right)$$

and f is in GHz, d is the separation distance (cm), and  $ERP_{20cm}$  is per Formula (B.1).

Example values shown in Table B.2 are for illustration only.

Table B.2-Example Power Thresholds (mW)

					Dis	stance	(mm)				
		5	10	15	20	25	30	35	40	45	50
Frequency (MHz)	300	39	65	88	110	129	148	166	184	201	217
	450	22	44	67	89	112	135	158	180	203	226
	835	9	25	44	66	90	116	145	175	207	240
	1900	3	12	26	44	66	92	122	157	195	236
	2450	3	10	22	38	59	83	111	143	179	219
	3600	2	8	18	32	49	71	96	125	158	195
	5800	1	6	14	25	40	58	80	106	136	169

$$P_{\text{th }}(\text{mW}) = ERP_{20 \text{ cm }}(\text{mW}) = \begin{cases} 2040f & 0.3 \text{ GHz} \le f < 1.5 \text{ GHz} \\ \\ 3060 & 1.5 \text{ GHz} \le f \le 6 \text{ GHz} \end{cases}$$
(B. 1)

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#### 2.3 Result

EIRP = pt x gt = (E X d)2/30

Where:

pt = transmitter output power in watts,

gt = numeric gain of the transmitting antenna (unitless),

E = electric field strength in V/m

d = measurement distance in meters (m)

Spot =  $(EXd)2/30 \times gt$ 

Ant 1 gain = 4.21dBi, Ant 2 gain = 4.83dBi

Directional gain = 7.54dBi

2.4G WIFI worse case: 18.259dBm @ 802.11nH20

ERP=18.259+7.54-2.15=23.649dBm=231.686mW < 3060mW

Comply with RF exposure exemption limit.

#### ----END OF REPORT----

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