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FCC RF Exposure

Applicant	:	GLAZERO INTERNATIONAL INC
Address	:	8 The Green,Suite A in the City of Dover.Zip code 19901.
Product Name	:	SolarCam D1 Classic Kit
Brand Mark	:	AOSU, DEKCO, Saato, Zoohi
Model	:	C9C
Series model	:	DC9C, C9C3EA11, C9C3FA11, C9C3GA11, C9C3HA11, C9C3EL11, C9C3FL11, C9C3GL11, C9C3HL11
FCC ID	:	2BACU-C9C
Report Number	:	BLA-EMC-202504-A3503
Date of Receipt	:	Apr. 11, 2025
Date of Test	:	Apr. 11, 2025 to Apr. 21, 2025
Test Standard	:	KDB447498D04 General RF Exposure Guidance v01
Test Result	:	Pass

Compiled by: Hugh **Review by:** Sweely **Approved by:** Blue.Zheng

Issued Date: Apr. 21, 2025

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Revise Record

Version No.	Date	Description
01	Apr. 21, 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	Dongguan Anran smart technology Co., LTD
Address	Building 6, No.10 Hongniu Road, Huangjiang Town, Dongguan, Guangdong, China

1.2 General description of EUT

Product name	SolarCam D1 Classic Kit
Model no.	C9C
Series model	DC9C, C9C3EA11, C9C3FA11, C9C3GA11, C9C3HA11, C9C3EL11, C9C3FL11, C9C3GL11, C9C3HL11
Desc 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 different sales channels
Operation Frequency:	2412MHz-2462MHz
Operation Frequency:	802.11b/g/n(HT20): 2412MHz to 2462MHz
Modulation Type:	802.11b: DSSS (CCK, DQPSK, DBPSK) 802.11g/n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Channel Spacing:	5MHz
Number of Channels:	802.11b/g/n(HT20): 11
Antenna Type:	External antenna
Antenna Gain:	3dBi(Provided by customer)
Power supply or adapter information	DC3.7V by battery
Hardware Version	C9E2-MAIN_V1.2
Software Version	C9E-2_20250402.2.0.12
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

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

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 $ERP_{20\text{cm}}$ is per Formula (B.1).

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

Table B.2—Example Power Thresholds (mW)

Frequency (MHz)	Distance (mm)									
	5	10	15	20	25	30	35	40	45	50
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

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

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, --- 10((dBuV/m)/20)/106
d = measurement distance in meters (m) ---3m
Spot = (EXd)^2/30 x gt

Ant gain = 3 dBi

2.4GWIFI
Max Output power =11.633dBm @ 2462MHz
ERP = 11.633+3-2.15=12.438dBm

So
ERP is worse case
10^1.2438=17.713 mW < 3060 mW
Comply with RF exposure exemption limit.

----END OF REPORT----