

RF Exposure

Applicant : GLAZERO INTERNATIONAL INC
Address : 8 The Green, Suite A in the City of Dover. Zip code 19901.
Product Name : SolarCam D1 Max
Brand Mark : AOSU, DEKCO, Saato, Zoohi
Model : C9S13
Series model : DC9C, C9S14, C9S15, C9S16, C9S17, C9S18, C9S19, C9S20
FCC ID : 2BACU-C9S13
Report Number : BLA-EMC-202506-A9003
Date of Receipt : July 4, 2025
Date of Test : July 4, 2025 to July 17, 2025
Test Standard : KDB447498D04 General RF Exposure Guidance v01
Test Result : Pass

Compiled by: *Hugh*Review by: *Xavier*Approved by: *Blue Zheng*

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Revise Record

Version No.	Date	Description
01	July 17, 2025	Original

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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	Luxshare Precision Industry Co., Ltd.
Address	2F, Comprehensive Building, No.313 Beihuan Road, Qingxi Town, Dongguan City, Guangdong Province, China
Factory	Dongguan Anran smart technology Co., LTD
Address	Building6, No.10Hongniu Road, Huangjiang Town, Dongguan, Guangdong, China
Factory	LEADER TECH VIET NAM COMPANY LIMITED
Address	D16A and D16B factory, Lot 99B, No.2, 15 Street, VSIP Nghe An Industrial Park, Hung Nguyen Town, Hung Nguyen District, Nghe An Province, Viet Nam.

1.2 General description of EUT

Product Name	SolarCam D1 Max
Model No.	C9S13
Series model	DC9C, C9S14, C9S15, C9S16, C9S17, C9S18, C9S19, C9S20
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 802.11n(HT40): 2422MHz to 2452MHz
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): 11 802.11n(HT40):7
Antenna Type:	External antenna
Antenna Gain:	3.2dBi(Provided by customer)
Power supply or adapter information	DC3.7V by battery
Hardware Version	N/A
Software Version	N/A

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

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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

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

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

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

2.3 Result

$$\text{EIRP} = p_t \times g_t = (E \times d)^2 / 30$$

Where:

p_t = transmitter output power in watts,

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

E = electric field strength in V/m, --- $10((\text{dBuV/m})/20)/106$

d = measurement distance in meters (m) ---3m

$$\text{Spot} = (E \times d)^2 / 30 \times g_t$$

$$\text{Ant gain} = 3.2 \text{ dBi}$$

2.4 WIFI

$$\text{Max Output power} = 14.351 \text{ dBm @ } 2412 \text{ MHz}$$

$$\text{ERP} = 14.351 + 3.2 - 2.15 = 15.401 \text{ dBm}$$

So

ERP is worse case

$$10^{1.5401} = 34.682 \text{ mW} < 3060 \text{ mW}$$

Comply with RF exposure exemption limit.

----END OF REPORT----

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