

RF EXPOSURE Test Report

Report No. : MTi241204005-0105E5
Date of Issue : 2025-07-18
Applicant : GCam Robot Co., Limited
Product : golfeye
Model(s) : Ge01
FCC ID : 2BNUDGOLFEYE01

Shenzhen Microtest Co., Ltd.



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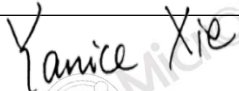
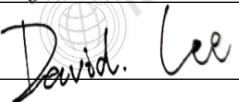
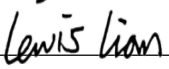
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Test Result Certification		
Applicant	GCam Robot Co., Limited	
Applicant Address	Hong Kong San Po Kong No. 99 King Fuk Street Kai Tak Fty Building RmD07, 8/ F	
Manufacturer	GCam Robot Co., Limited	
Manufacturer Address	Hong Kong San Po Kong No. 99 King Fuk Street Kai Tak Fty Building RmD07, 8/ F	
Factory	GCam Robot Co., Limited	
Factory Address	Hong Kong San Po Kong No. 99 King Fuk Street Kai Tak Fty Building RmD07, 8/ F	
Product description		
Product name	golfeye	
Trademark		
Model name	Ge01	
Series Model(s)	N/A	
Standards	47 CFR Part 2.1093	
Test method	KDB 447498 D01 v06	
Testing Information		
Date of test	2025-02-19 to 2025-07-16	
Test Result	Pass	
Prepared by:	Yanice.Xie	
Reviewed by:	David Lee	
Approved by:	Lewis Lian	

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1 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 Test Exclusion Threshold condition(s), listed below, is (are) satisfied.

These test exclusion conditions are based on source-based time-averaged maximum conducted output power of the RF channel requiring evaluation, adjusted for tune-up tolerance, and the minimum test separation distance required for the exposure conditions.

The minimum test separation distance defined in 4.1 f) is determined by the smallest distance from the antenna and radiating structures or outer surface of the device, according to the host form factor, exposure conditions and platform requirements, to any part of the body or extremity of a user or bystander.

To qualify for SAR test exclusion, the test separation distances applied must be fully explained and justified, typically in the SAR measurement or SAR analysis report, by the operating configurations and exposure conditions of the transmitter and applicable host platform requirements, according to the required published RF exposure KDB procedures.

When no other RF exposure testing or reporting are required, a statement of justification and compliance must be included in the equipment approval, in lieu of the SAR report, to qualify for SAR test exclusion.

When required, the device specific conditions described in the other published RF exposure KDB procedures must be satisfied before applying these SAR test exclusion provisions.

- a) For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR, where

- $f_{(\text{GHz})}$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison
- The values 3.0 and 7.5 are referred to as *numeric thresholds* in step b) below

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.

- b) For 100 MHz to 6 GHz and test separation distances > 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following (also illustrated in Appendix B):

- 1) $\{[\text{Power allowed at } \textit{numeric threshold} \text{ for } 50 \text{ mm in step a)}] + [(\text{test separation distance} - 50 \text{ mm}) \cdot (f(\text{MHz})/150)]\}$ mW, for 100 MHz to 1500 MHz
- 2) $\{[\text{Power allowed at } \textit{numeric threshold} \text{ for } 50 \text{ mm in step a)}] + [(\text{test separation distance} - 50 \text{ mm}) \cdot 10]\}$ mW, for > 1500 MHz and ≤ 6 GHz

- c) For frequencies below 100 MHz, the following may be considered for SAR test exclusion (also illustrated in Appendix C):

- 1) For test separation distances > 50 mm and < 200 mm, the power threshold at the corresponding test separation distance at 100 MHz in step b) is multiplied by $[1 +$

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 $\log(100/f(\text{MHz}))]$

- 2) For test separation distances ≤ 50 mm, the power threshold determined by the equation in c) 1) for 50 mm and 100 MHz is multiplied by $\frac{1}{2}$
- 3) SAR measurement procedures are not established below 100 MHz.

When SAR test exclusion cannot be applied, a KDB inquiry is required to determine SAR evaluation requirements for any SAR test results below 100 MHz to be acceptable.

2 SAR Test Exclusion Thresholds

We use 5mm as separation distance to calculated.

Bluetooth DSS:

Transmit Frequency (GHz)	Mode	Measured Power (dBm)	Tune-up power (dBm)	Max tune-up	Result	1g SAR test exclusion threshold
				power(dBm)	calculation	
2402	GFSK-1M	3.73	3±1	4	0.7786	3
2441		1.77	1±1	2	0.4952	3
2480		0.71	0±1	1	0.3965	3
2402	$\pi/4$ -DQPSK	2.66	3±1	4	0.7786	3
2441		0.70	1±1	2	0.4952	3
2480		-0.51	0±1	1	0.3965	3
2402	8DPSK	2.91	3±1	4	0.7786	3
2441		1.01	1±1	2	0.4952	3
2480		-0.07	0±1	1	0.3965	3

Bluetooth DTS:

Transmit Frequency (GHz)	Mode	Measured Power (dBm)	Tune-up power (dBm)	Max tune-up	Result	1g SAR test exclusion threshold
				power(dBm)	calculation	
2402	GFSK-1M	-0.63	0±1	1	0.3902	3
2440		1.80	1±1	2	0.4952	3
2480		0.73	0±1	1	0.3965	3
2402	GFSK-2M	-0.75	0±1	1	0.3902	3
2440		1.80	1±1	2	0.4952	3
2480		0.72	0±1	1	0.3965	3

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2.4G WIFI: ANT1:

Transmit Frequency (GHz)	Mode	Measured Power (dBm)	Tune-up power (dBm)	Max tune-up	Result	1g SAR test exclusion threshold
				power(dBm)	calculation	
2412	802.11b	3.10	3±1	4	0.7802	3
2437		3.32	3±1	4	0.7843	3
2462		3.36	3±1	4	0.7883	3
2412	802.11g	4.34	4±1	5	0.9822	3
2437		4.02	4±1	5	0.9873	3
2462		4.59	4±1	5	0.9924	3
2412	802.11n H20 SISO	3.66	3±1	4	0.7802	3
2437		3.89	3±1	4	0.7843	3
2462		3.23	3±1	4	0.7883	3
2422	802.11n H40 SISO	3.38	3±1	4	0.7802	3
2437		3.22	3±1	4	0.7843	3
2452		3.35	3±1	4	0.7883	3
2412	802.11n AX20 SISO	3.94	3±1	4	0.7802	3
2437		3.20	3±1	4	0.7843	3
2462		3.29	3±1	4	0.7883	3
2422	802.11n AX40 SISO	3.83	3±1	4	0.7802	3
2437		3.61	3±1	4	0.7843	3
2452		3.69	3±1	4	0.7883	3

ANT2:

Transmit Frequency (GHz)	Mode	Measured Power (dBm)	Tune-up power (dBm)	Max tune-up	Result	1g SAR test exclusion threshold
				power(dBm)	calculation	
2412	802.11b	3.81	3±1	4	0.7802	3
2437		3.79	3±1	4	0.7843	3
2462		3.27	3±1	4	0.7883	3
2412	802.11g	3.36	3±1	4	0.7802	3
2437		3.95	3±1	4	0.7843	3
2462		3.30	3±1	4	0.7883	3

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2412	802.11n H20 SISO	3.36	3±1	4	0.7802	3
2437		4.16	4±1	5	0.9873	3
2462		3.35	3±1	4	0.7883	3
2422	802.11n H40 SISO	3.41	3±1	4	0.7802	3
2437		3.37	3±1	4	0.7843	3
2452		3.31	3±1	4	0.7883	3
2412	802.11n AX20 SISO	3.52	3±1	4	0.7802	3
2437		3.84	3±1	4	0.7843	3
2462		3.36	3±1	4	0.7883	3
2422	802.11n AX40 SISO	3.82	3±1	4	0.7818	3
2437		3.58	3±1	4	0.7843	3
2452		3.47	3±1	4	0.7867	3

MIMO:

2412	802.11n H20 MIMO	3.31	3±1	4	0.7802	3
2437		3.56	3±1	4	0.7843	3
2462		3.22	3±1	4	0.7883	3
2422	802.11n H40 MIMO	4.03	4±1	5	0.9822	3
2437		2.76	3±1	4	0.7843	3
2452		3.39	3±1	4	0.7883	3
2412	802.11n AX20 MIMO	3.27	3±1	4	0.7802	3
2437		3.91	3±1	4	0.7843	3
2462		3.06	3±1	4	0.7883	3
2422	802.11n AX40 MIMO	3.43	3±1	4	0.7818	3
2437		3.00	3±1	4	0.7843	3
2452		3.22	3±1	4	0.7867	3

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5G WIFI:
ANT1:

Transmit Frequency (GHz)	Mode	Antenna	Measured Power (dBm)	Tune-up power (dBm)	Max tune-up	Result	1g SAR test exclusion threshold
					power(dBm)	calculation	
5180	802.11a	Ant1	0.09	0±1	1	0.3910	3
5200		Ant1	0.33	0±1	1	0.3951	3
5240		Ant1	0.75	0±1	1	0.3931	3
5745	802.11a	Ant1	0.48	0±1	1	0.3910	3
5785		Ant1	-0.25	0±1	1	0.3951	3
5825		Ant1	-1.08	(-1)±1	0	0.3122	3
5180	802.11n H20 SISO	Ant1	-0.03	0±1	1	0.3910	3
5200		Ant1	0.17	0±1	1	0.3951	3
5240		Ant1	0.58	0±1	1	0.3931	3
5745	802.11n H20 SISO	Ant1	0.20	0±1	1	0.3910	3
5785		Ant1	-0.57	0±1	1	0.3951	3
5825		Ant1	-1.41	(-1)±1	0	0.3122	3
5190	802.11n H40 SISO	Ant1	0.75	0±1	1	0.3910	3
5230		Ant1	1.18	1±1	2	0.4974	3
5755		Ant1	-0.29	0±1	1	0.3931	3
5795		Ant1	-0.96	0±1	1	0.3910	3
5180	802.11n ac 20 SISO	Ant1	-0.06	0±1	1	0.3910	3
5200		Ant1	0.17	0±1	1	0.3951	3
5240		Ant1	0.56	0±1	1	0.3931	3
5745	802.11n ac 20 SISO	Ant1	0.22	0±1	1	0.3910	3
5785		Ant1	-0.54	0±1	1	0.3951	3
5825		Ant1	-1.40	(-1)±1	0	0.3122	3
5190	802.11n ac 40 SISO	Ant1	0.75	0±1	1	0.3910	3
5230		Ant1	1.18	1±1	2	0.4974	3
5755		Ant1	-0.24	0±1	1	0.3931	3
5795		Ant1	-0.93	0±1	1	0.3910	3
5210	802.11n ac 80 SISO	Ant1	1.52	1±1	2	0.4923	3
5775		Ant1	0.46	0±1	1	0.3951	3

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5180	802.11n ax20 SISO	Ant1	0.21	0±1	1	0.3931	3
5200		Ant1	0.44	0±1	1	0.3910	3
5240		Ant1	0.83	0±1	1	0.3910	3
5745	802.11n ax20 SISO	Ant1	0.51	0±1	1	0.3951	3
5785		Ant1	-0.28	0±1	1	0.3931	3
5825		Ant1	-1.10	(-1)±1	0	0.3106	3
5190	802.11n ax40 SISO	Ant1	0.44	0±1	1	0.4923	3
5230		Ant1	0.88	0±1	1	0.4974	3
5755		Ant1	-0.51	0±1	1	0.4948	3
5795		Ant1	-1.19	(-1)±1	0	0.3910	3
5210	802.11n ax80 SISO	Ant1	1.48	1±1	2	0.4923	3
5775		Ant1	0.38	0±1	1	0.3951	3

ANT2:

Transmit Frequency (GHz)	Mode	Antenna	Measured Power (dBm)	Tune-up power (dBm)	Max tune-up power(dBm)	Result calculation	1g SAR test exclusion threshold
5180	802.11a	Ant2	2.79	3±1	4	0.7843	3
5200		Ant2	2.76	3±1	4	0.7802	3
5240		Ant2	2.88	3±1	4	0.7883	3
5745		Ant2	1.03	3±1	4	0.7843	3
5785		Ant2	0.22	0±1	1	0.3918	3
5825		Ant2	-1.25	(-1)±1	0	0.3132	3
5180	802.11n H20 SISO	Ant2	2.41	3±1	4	0.7843	3
5180		Ant2	2.42	3±1	4	0.7802	3
5200		Ant2	2.53	3±1	4	0.7883	3
5745		Ant2	0.68	0±1	1	0.3931	3
5785		Ant2	-0.12	0±1	1	0.3918	3
5825		Ant2	-1.63	(-1)±1	0	0.3132	3
5190	802.11n H40 SISO	Ant2	2.09	3±1	4	0.7843	3
5230		Ant2	2.13	3±1	4	0.7802	3
5755		Ant2	1.22	1±1	2	0.4974	3
5795		Ant2	0.35	0±1	1	0.3931	3

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5180	802.11n ac 20 SISO	Ant2	2.52	3±1	4	0.7843	3
5200		Ant2	2.50	3±1	4	0.7802	3
5240		Ant2	2.57	3±1	4	0.7883	3
5745	802.11n ac 20 SISO	Ant2	0.68	0±1	1	0.3931	3
5785		Ant2	-0.13	0±1	1	0.3910	3
5825		Ant2	-1.62	(-1)±1	0	0.3138	3
5190	802.11n ac 40 SISO	Ant2	2.06	3±1	4	0.7843	3
5230		Ant2	2.12	3±1	4	0.7802	3
5755		Ant2	1.21	1±1	2	0.4974	3
5795		Ant2	0.37	0±1	1	0.3931	3
5210	802.11n ac 80 SISO	Ant2	3.03	3±1	4	0.7843	3
5775		Ant2	0.84	0±1	1	0.3910	3
5180	802.11n ax20 SISO	Ant2	2.73	3±1	4	0.7883	3
5200		Ant2	2.73	3±1	4	0.7843	3
5240		Ant2	2.84	3±1	4	0.7843	3
5745	802.11n ax20 SISO	Ant2	0.94	0±1	1	0.3910	3
5785		Ant2	0.13	0±1	1	0.3951	3
5825		Ant2	-1.33	(-1)±1	0	0.3122	3
5190	802.11n ax40 SISO	Ant2	1.77	1±1	2	0.3931	3
5230		Ant2	1.82	1±1	2	0.3910	3
5755		Ant2	1.14	1±1	2	0.3138	3
5795		Ant2	0.31	0±1	1	0.4923	3
5210	802.11n ax80 SISO	Ant2	2.96	3±1	4	0.7843	3
5775		Ant2	0.76	0±1	1	0.3910	3

MIMO:

5180	802.11n H20	-0.17	0±1	1	0.3910	3
5200		-0.07	0±1	1	0.3931	3
5240		0.04	0±1	1	0.3951	3
5745	802.11n H20	0.76	0±1	1	0.3910	3
5785		-0.33	0±1	1	0.3931	3
5825		-1.41	(-1)±1	0	0.3138	3

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5190	802.11n H40	-0.62	0±1	1	0.3910	3
5230		-0.52	0±1	1	0.3931	3
5755	802.11n H40	-0.09	0±1	1	0.3951	3
5795		-0.73	0±1	1	0.3918	3
5180	802.11ac 20	-0.17	0±1	1	0.3910	3
5200		-0.08	0±1	1	0.3931	3
5240		0.09	0±1	1	0.3951	3
5745	802.11ac 20	0.79	0±1	1	0.3910	3
5785		-0.24	0±1	1	0.3931	3
5825		-1.40	(-1)±1	0	0.3138	3
5190	802.11ac 40	-0.62	0±1	1	0.3910	3
5230		-0.56	0±1	1	0.3931	3
5755	802.11ac 40	-0.10	0±1	1	0.3951	3
5795		-0.76	0±1	1	0.3918	3
5210	802.11ac 80	-0.34	0±1	1	0.3910	3
5775		-0.01	0±1	1	0.3931	3
5180	802.11ax 20	-0.42	0±1	1	0.3951	3
5200		-0.32	0±1	1	0.3910	3
5240		-0.21	0±1	1	0.3931	3
5745	802.11ax 20	0.50	0±1	1	0.3951	3
5785		-0.59	0±1	1	0.3910	3
5825		-1.67	(-1)±1	0	0.3122	3
5190	802.11ax 40	-0.68	0±1	1	0.3910	3
5230		-0.57	0±1	1	0.3931	3
5755	802.11ax 40	-0.16	0±1	1	0.3951	3
5795		-0.83	0±1	1	0.3910	3
5210	802.11ax 80	-0.46	0±1	1	0.3931	3
5775		-0.48	0±1	1	0.3951	3

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Conclusion:

Mode	Result calculation	1g SAR test exclusion threshold	Fraction of limit(%)
BT	0.7786	3	0.2595
BLE	0.4952	3	0.1651
Mode	Result calculation	1g SAR test exclusion threshold	Fraction of limit(%)
2.4G WiFi(SISO)	0.9873	3	0.3291
2.4G WiFi(MIMO)	0.9822	3	0.3274
5G WiFi(U-NII-1) SISO	0.7883	3	0.2628
5G WiFi(U-NII-1) MIMO	0.3951	3	0.1317
5G WiFi(U-NII-3) SISO	0.7843	3	0.2614
5G WiFi(U-NII-3) MIMO	0.3951	3	0.1317
Sum of Fraction (%)		0.5886	

Notes:

1. BT/BLE and 2.4G WiFi /5G WiFi can work at the same time, but 2.4G WIFI and 5G WiFi can not work simultaneously
2. 2.4G WiFi(SISO) and 5G WIFI (SISO) only show the worst data from Antenna 1 and Antenna 2.

For the max result: $0.5886 \leq 1$, the 1g SAR test exclusion threshold, No SAR is required.

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Statement

1. This report is invalid without the seal and signature of the laboratory.
2. The test results of this report are only responsible for the samples submitted. Client shall be responsible for representativeness of the sample and authenticity of the material.
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***** END OF REPORT *****