

RF Exposure Report

Report No.: SA180403E03

FCC ID: 2AAP4-GYGPRO1M

Test Model: GYGPRO1-M

Series Model: GYGL2-M

Received Date: Apr. 10, 2018

Test Date: July 10, 2018

Issued Date: July 27, 2018

Applicant: Game Your Game, Inc.

Address: 653 Bryant St., San Francisco, CA 94107

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Hsin Chu Laboratory

Lab Address: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300,
Taiwan R.O.C.

Test Location : E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300,
Taiwan R.O.C.

**FCC Registration /
Designation Number:** 723255 / TW2022

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Release Control Record

Issue No.	Description	Date Issued
SA180403E03	Original release.	July 27, 2018

1 Certificate of Conformity

Product: Digital golf tracking system

Brand: Game Golf

Test Model: GYGPRO1-M

Series Model: GYGL2-M

Sample Status: R&D SAMPLE

Applicant: Game Your Game, Inc.

Test Date: July 10, 2018

Standards: FCC Part 2 (Section 2.1093)

KDB 447498 D01 General RF Exposure Guidance v06

IEEE C95.1-1992

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by : Mary Ko , **Date:** July 27, 2018
Mary Ko / Specialist

Approved by : May Chen , **Date:** July 27, 2018
May Chen / Manager

2 Evaluation Result

Following FCC KDB 447498 D01 “General SAR test exclusion guidance”

The corresponding SAR Exclusion Threshold condition, listed below:

- 1) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:
$$\left[\frac{\text{max. power of channel, including tune-up tolerance, mW}}{\text{min. test separation distance, mm}} \right] \cdot [\sqrt{f(\text{GHz})}]$$
$$\leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$
 - $f(\text{GHz})$ 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 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 is applied to determine SAR test exclusion.
- 2) At 100 MHz to 6 GHz and for test separation distances > 50 mm, the SAR test exclusion threshold is determined according to the following:
 - a) [Threshold at 50 mm in step 1) + (test separation distance - 50mm) · ($f(\text{MHz})/150$)] mW, at 100MHz to 1500 MHz
 - b) [Threshold at 50 mm in step 1) + (test separation distance - 50 mm) · 10] mW at > 1500 MHz and ≤ 6 GHz
- 3) At frequencies below 100 MHz, the following may be considered for SAR test exclusion.
 - a) The threshold at the corresponding test separation distance at 100 MHz in step 2) is multiplied by $[1 + \log(100/f(\text{MHz}))]$ for test separation distances > 50 mm and < 200 mm.
 - b) The threshold determined by the equation in a) for 50 mm and 100 MHz is multiplied by $\frac{1}{2}$ for test separation distances ≤ 50 mm.
 - c) 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 test results to be acceptable.

3 SAR Test Exclusion Thresholds

BT-LE Avg. Power Table

Channel	Frequency (MHz)	Avg. Power	
		(mW)	(dBm)
0	2402	1.528	1.84
19	2440	1.535	1.86
39	2480	1.542	1.88

For BT-LE SAR Test Exclusion Thresholds

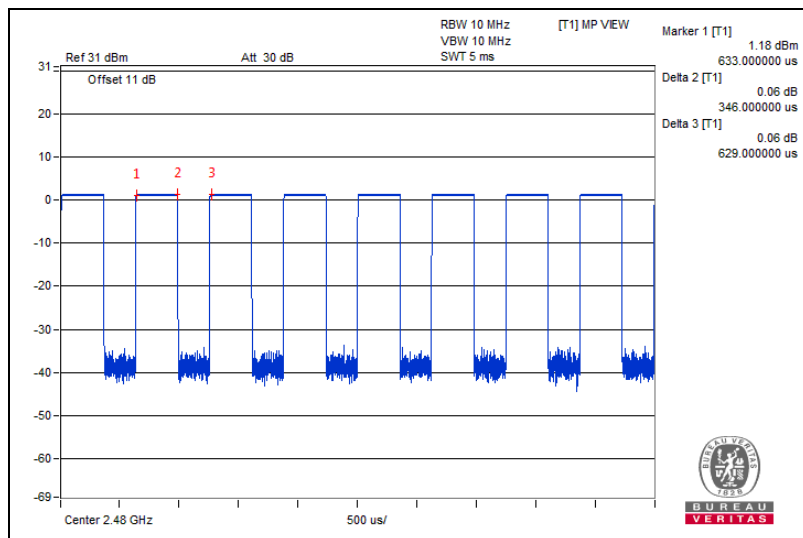
Frequency (MHz)	Max Avg. Power (dBm)	*Max Time Avg. Power (dBm)	Max Time Avg. Power (mW)	SAR test exclusion calculation value ^(NOTE 1)	1-g SAR test exclusion thresholds	Result
2402 ~ 2480	1.88	-0.72	0.847	0.2668	3	Pass

NOTE: 1. Calculate SAR test exclusion thresholds from condition "1" formulas.

2. *Time Avg. Power= Avg. Power+Duty factor

BT-LE Duty Cycle of Test Signal

Duty Cycle	Tx on (ms)	Tx total (ms)	Duty Factor (dB)
	0.346	0.629	-2.60
Duty Factor = $10 \cdot \log(\text{Tx on} / \text{Tx total})$			



For NFC SAR Test Exclusion Thresholds

Frequency (MHz)	Electric field (dBuV/m) @3m	Pout EIRP (dBm)	Pout EIRP (mW)	SAR test exclusion thresholds ^(NOTE 1)	Result
13.56	46.95	-48.28	0.00001486	442.9735094	Pass

NOTE: 1. Calculate SAR test exclusion thresholds from condition “3” formulas.
2. Pout EIRP (dBm) = Field Strength of Fundamental (dBuV/m) - 95.23 (dB)

4 Conclusion

Since Source-base time average power is below SAR test exclusion power thresholds, the SAR evaluation is not required.

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