



TEST REPORT



Report No. : KES-RF260193
Page 1 / 13

KES Co., Ltd.

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Anyang-si, Gyeonggi-do, 14057, Republic of Korea
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■ FCC TEST REPORT

1. Client

- Name : GreenTalk Co., Ltd.
- Address : 45, Jami-ro 6beon-gil, Buk-gu, Gwangju, Republic of Korea

2. Sample Description

- Product item : Smart Golf Ball Wireless Charger
- Model name : G8WLC-01
- Manufacturer etc. : GreenTalk Co., Ltd.

3. Date of test : 2026.03.19 ~ 2026.04.08

4. Location of Test : ☒ Permanent Testing Lab ☐ On Site Testing

- Address : 473-21, Gayeo-ro, Yeosu-si, Gyeonggi-do, 12658, Rep. of Korea

5. FCC Rule part(s) : Part 15 Subpart C

6. Test result : PASS

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.

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This test report is not related to KOLAS accreditation.

Affirmation	Tested by	Technical Manager
	Name : Gu-Bong, Kang (Signature)	Name : Young-Jin, Lee (Signature)

[강구봉]2026/05/13

[이영진]2026/05/13

2026. 05. 13.

KES Co., Ltd.



REPORT REVISION HISTORY

Date	Test Report No.	Revision History
2026.05.13	KES-RF260193	Initial

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TABLE OF CONTENTS

1. General information 4

1.1. EUT description 4

1.2. Test configuration..... 4

1.3. Information about derivative model 5

1.4. Accessory information 5

1.5. Device modifications..... 5

1.6. Sample calculation 5

1.7. Measurement Uncertainty 5

1.8. Frequency/channel operations 6

1.9. Test mode 6

2. Environmental evaluation and exposure limit 7

2.1. Test Setup..... 8

2.2. Test results..... 10

Appendix A. Measurement equipment.....11

Appendix B. Test setup photo 12





Report No. : KES-RF260193

1. General information

Applicant: GreenTalk Co., Ltd.
Applicant address: 45, Jami-ro 6beon-gil, Buk-gu, Gwangju, Republic of Korea
Test site: KES Co., Ltd.
Test site address: ☐ #3002, #3503, #3701, 40, Simin-daero365beon-gil,
Dongan-gu, Anyang-si, Gyeonggi-do, 14057, Rep. of Korea
☒ 473-21, Gayeo-ro, Yeosu-si, Gyeonggi-do, 12658, Rep. of Korea
Test Facility: FCC Accreditation Designation No.: KR0100, Registration No.: 444148
FCC rule part(s): 15.209
FCC ID: 2BVPSG8WLC-01
Module Model: MDBT42Q
Module FCC ID: SH6MDBT42Q
Test device serial No.: ☒ Production ☐ Pre-production ☐ Engineering

1.1. EUT description

Equipment under test: Smart Golf Ball Wireless Charger
Frequency range & Number of channels: 2 402 MHz ~ 2 480 MHz (LE 1 Mbps) : 40 ch
0.146 8 MHz (WPT)
Inductive charging technique: Magnetic Induction
Model: G8WLC-01
Modulation technique: GFSK(LE 1 Mbps), Non-Modulation (WPT)
Antenna specification: Chip Antenna (LE 1 Mbps) // Peak gain: -1.6 dBi
Internal type : Coil Antenna (WPT)
Power source: Operating : DC 3.7 V (Battery)
Charging : AC 120 V (Adapter DC output 5 V)
H/W version: V0 .01
F/W version: V0 .01

1.2. Test configuration

The **GreenTalk Co., Ltd. // Smart Golf Ball Wireless Charger // G8WLC-01 // FCC ID: 2BVPSG8WLC-01** was tested according to the specification of EUT, the EUT must comply with following standards and KDB documents.

FCC Part 15C
ANSI C63.10-2020
KDB 680106 D01 V03



Report No. : KES-RF260193

1.3. Information about derivative model

N/A.

1.4. Accessory information

Equipment	Manufacturer	Model	Serial No.	Power source
-	-	-	-	-

1.5. Device modifications

N/A

1.6. Sample calculation

Where relevant, the following sample calculation is provided

For all conducted test items :

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

For Radiation test :

Field strength level (dB μ V/m) = Measured level (dB μ V) + Antenna factor (dB) + Cable loss (dB) – Amplifier gain (dB)

1.7. Measurement Uncertainty

Test Item		Uncertainty
Uncertainty for Conduction emission test		2.22 dB (SHIELD ROOM #6)
Uncertainty for Radiation emission test (include Fundamental emission)	Below 1 GHz	4.04 dB (SAC #6)
	Above 1 GHz	5.32 dB (SAC #5)
Note. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.		

**1.8. Frequency/channel operations**

Ch.	Frequency (MHz)	Mode
00	2 402	LE 1 Mbps
.	.	.
20	2 442	LE 1 Mbps
.	.	.
39	2 480	LE 1 Mbps

Ch.	Frequency (MHz)	Mode
00	0.146 8	WPT

1.9. Test mode

Mode	Charging current	Description
Charging mode With load	90%	Using Max load
	50%	Using Mid load
	10%	Using Min load



2. Environmental evaluation and exposure limit

Limits for Maximum Permissible Exposure (MPE)

§1.1310 The criteria listed in Table 1 shall be used to evaluate the environmental impact of human exposure to radio-frequency (RF) radiation as specified in §1.1307(b), except in the case of portable devices which shall be evaluated according to the provisions of §2.1093 of this chapter.

TABLE 1 - Limits for Maximum Permissible Exposure (MPE)

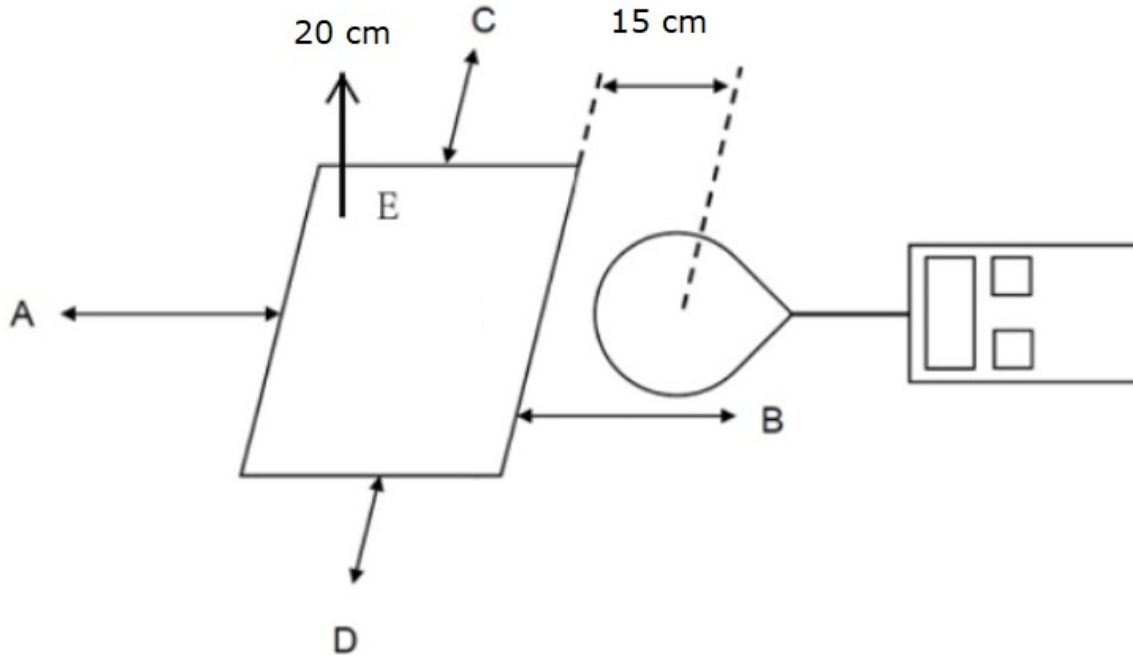
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Average Time (minutes)
(A) Limits for Occupational / Control Exposures				
0.3 - 3.0	614	1.63	*(100)	6
3.0 - 30	1842/f	4.89/f	*(900/f ²)	6
30 - 300	61.4	0.613	1.0	6
300 - 1 500			f/300	6
1 500 - 100 000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
<u>0.3-1.34</u>	<u>614</u>	<u>1.63</u>	*(100)	30
1.34 - 30	824/f	2.19/f	*(180/f ²)	30
30 - 300	27.5	0.073	0.2	30
300 - 1 500			f/1 500	30
1 500 - 100 000			1.0	30

Note.

1. f= frequency in MHz
2. "*" means Plane-wave equivalent power density



2.1. Test Setup



1. The test was performed on 360° turn table in anechoic chamber.
2. The probe was placed at distance 15 cm or 20 cm which is between the edge of the charger and the geometric center of the probe.
3. The highest emission level was recorded and compared with limit as soon as measurement of each point ; A, B, C, D, E were completed.
4. Point F is highest measured field from moving the probe around the device at distance 15 cm.
5. The EUT was measured according to the KDB 680106 D01v03.



Note.

Equipment Approval Considerations item 5.b) of KDB 680106 D01 v03.

a) Power transfer frequency is less than 1 MHz.

- The device operates at a frequency of 146.8 kHz.

b) Output power from each primary coil is less than or equal to 15 watts.

- Output power from each primary coil : 5 watts.

c) The transfer system includes only single primary and secondary coils. This includes charging systems that may have multiple primary coils and clients that are able to detect and allow coupling only between individual pairs of coils.

- The transfer system including a charging system with single coil. .

d) Client device is placed directly in contact with the transmitter.

- Client device is placed directly.

e) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).

- The device is not a mobile device.

f) The aggregate H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50 % of the MPE limit.

- Refer to following test results.

The EUT H-Field Strength levels at 15 cm < 50 % of the MPE H-Field Strength limit 1.63 A/m
0.049 A/m (Max) < 0.815 A/m



2.2. Test results

E-Field Strength from each edges the EUT

Test Mode		Point A (V/m)	Point B (V/m)	Point C (V/m)	Point D (V/m)	Point E (V/m)
Charging mode	10 % load	0.987	1.805	1.257	1.452	1.008
	50 % load	0.876	1.772	1.105	1.248	0.954
	90 % load	0.889	1.680	1.054	1.255	1.042

H-Field Strength from each edges the EUT

Test Mode		Point A (A/m)	Point B (A/m)	Point C (A/m)	Point D (A/m)	Point E (A/m)
Charging mode	10 % load	0.037	0.038	0.042	0.044	0.049
	50 % load	0.035	0.039	0.042	0.038	0.044
	90 % load	0.033	0.036	0.035	0.042	0.039

**Appendix A. Measurement equipment**

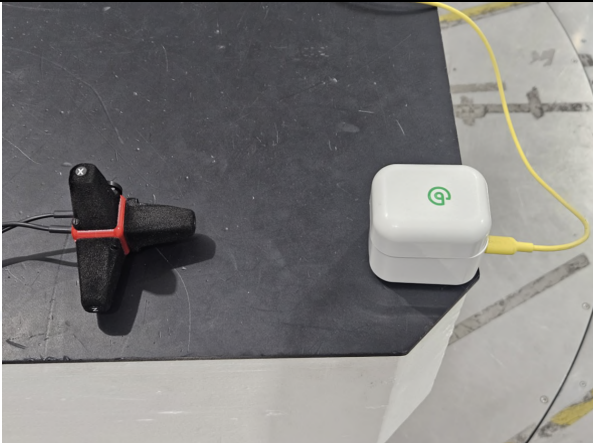
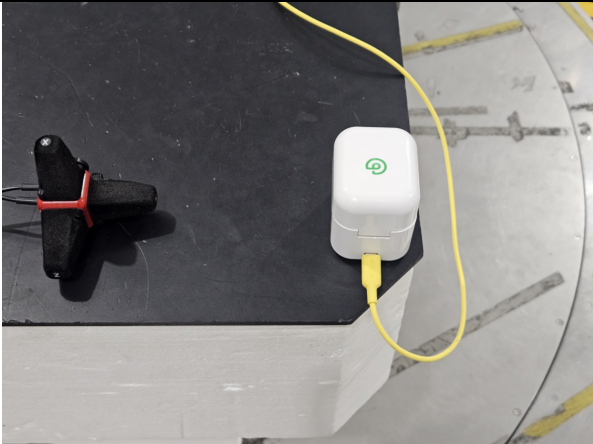
Equipment	Manufacturer	Model	Serial No.	Calibration interval	Calibration due.
Electric Field Probe	ETS LINDGREN	HI-6105	00151770	1 year	2026.06.20
Magnetic Field HiTester	HIOKI	FT3470-50	120429926	1 year	2026.10.27
AC POWER SOURCE/ANALYZER	HP	6813A	3729A00754	1 year	2027.01.08

Peripheral device

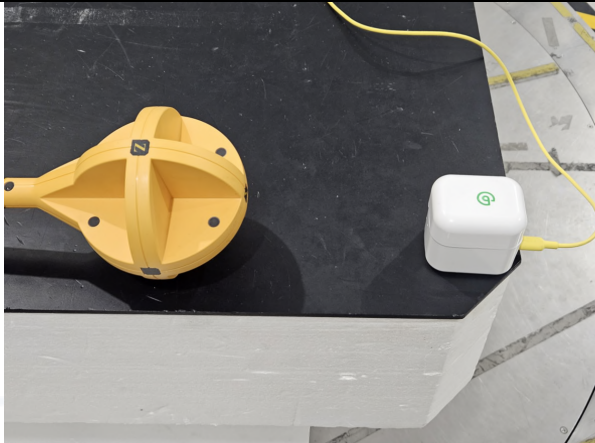
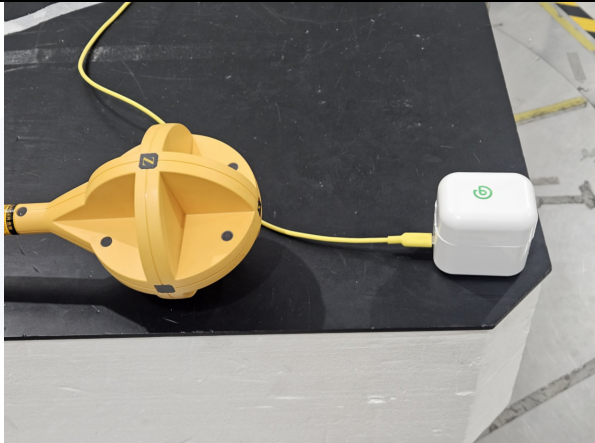
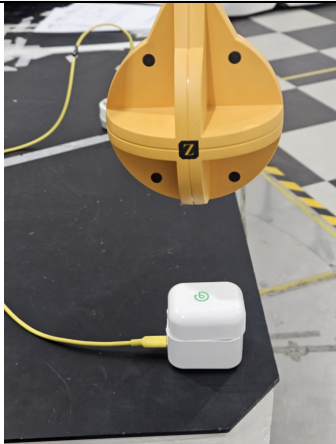
Device	Manufacturer	Model No.	Serial No.
Notebook computer	LG Electronics Inc.,	LGS53	306QCZP560949
AC/DC adapter	Anker Innovations Limited(DongGuan City JieShuai Electronics Co., Ltd.)	A2674	AGD5R40F26200136
GINOBO Smart Golf Ball	GreenTalk Co., Ltd.	GSB-V2	-



Appendix B. Test setup photo

E-Field	
Position A	Position B
	
Position C	Position D
	
Position E	-
	Blank



H-Field	
Position A	Position B
	
Position C	Position D
	
Position E	-
	Blank

The End.