

RF Exposure Evaluation

FCC ID:2BULR-KSS819

Product Name:	Three in one wireless charger Bluetooth speaker alarm clock
Trade Mark:	N/A
Model No.:	KSS819-BR-WH, KSS819-WH-WH, KSS819-BL-WH, KSS819-WO-WH
Model Difference:	All the same except the model number and the colour.
Transmitting mode	Keep the EUT in continuously wireless charging mode
Power supply:	Input: Manufacturer: XIAOMI Model: AD65G I/P: AC 100-240V 50/60Hz O/P: DC 5V/3A, DC 9V/3A, DC 10V/5A, DC 12V/3A, DC 15V/3A, DC 20V/3.25A Wireless charge output: 5W/7.5W/10W/15W(max)
Date of Receipt:	Jan. 11, 2026
Test Date:	Jan. 11, 2026 - Jan. 26, 2026
Date of Report:	Jan. 26, 2026

Mode1. Wireless Output Mode (5W)
Mode 3. Wireless Output Mode (10W)

Mode 2. Wireless Output Mode (7.5W)
Mode 4. Wireless Output Mode (15W)

Note: 1. We have evaluated 1%, 50% and 99% battery charging mode, and the worst mode (99%) is showed in this report.

2. All modes have been tested, and the report only shows the results of the worst mode4.

TEST FACILITY:

Test Lab: Shenzhen DL Testing Technology Co., Ltd.

101-201, Comprehensive Building, Tongzhou Electronics Longgang Factory Area, No.1

Address: Baolong Fifth Road, Baolong Community, Baolong Street, Longgang District, Shenzhen, China

FCC Test Firm Registration Number: 854456

Designation Number: CN1307

IC Registered No.: 27485

CAB ID.: CN0118

1 Measuring Standard

According to Part 2.1091 RF exposure is calculated. According KDB 680106 D01 v04 WirelessPower Transfer v04.

2 Requirements

①According to the item 5 of KDB 680106 D01 v04:

②Inductive wireless power transfer applications that meet all of the following requirements are excluded from submitting an RF exposure evaluation.

3 Limits

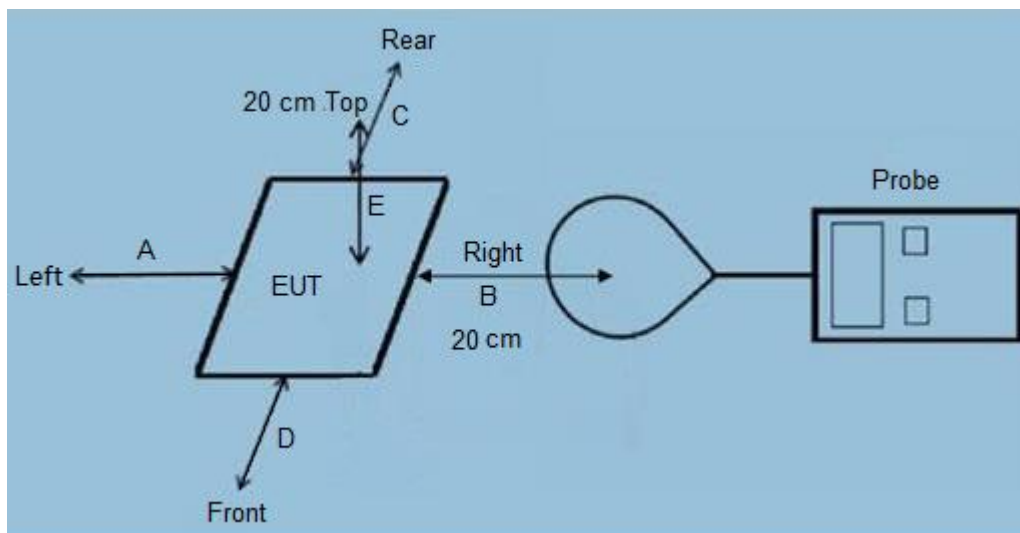
The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

Limits for Maximum Permissible Exposure (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled 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	0.163	1.0	6
300-1500	/	/	f/300	6
1500-100,000	/	/	5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

F=frequency in MHz
 * =Plane-wave equivalent power density
 RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).

4 Test Setup



5 Test Procedure

- 1) The RF exposure test was performed in anechoic chamber.
- 2) The measurement probe was placed at test distance (20 cm from all sides and 20 cm from the top) which is between the edge of the charger and the geometric center of probe.
- 3) The highest emission level was recorded and compared with limit as soon as measurement of each points (A, B, C, D, E) were completed.
- 4) The EUT was measured according to the dictates of KDB 680106 v04.

Remark: The EUT's test position A, B, C, D and E is valid for the E and H field measurements.

6 Description of Support Units

Mobile phone (Provide by test lab):
Manufacturer: SAMSUNG
Model: Galaxy S21 5G

Adapter (Provide by test lab):
Manufacturer: XIAOMI
Model: AD65G
I/P: AC 100-240V 50/60Hz
O/P: DC 5V/3A, DC 9V/3A, DC 10V/5A, DC 12V/3A, DC 15V/3A, DC 20V/3.25A

7 Test Instruments list

Test Equipment	Manufacturer	Model No.	SN.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
Exposure Level Tester	Narda	ELT-400	N-0231	2025/6/10	2026/6/09
Magnetic field probe 100cm ²	Narda	ELT probe 100cm ²	M0675	2025/6/10	2026/6/09
Field Probe	ETS	HI-6105	/	2025/6/10	2026/6/09
Laser Data Interface	ETS	HI-6113	/	2025/6/10	2026/6/09

8 Test Uncertainty

E-Filed Strength(1Hz-400kHz): ±0.08V/m

H-Filed Strength(1Hz-400kHz): ±0.02A/m

uT: ±0.01

Note: The field intensity value A/m in the report is converted from uT, and the formula is as follows:

uT to A/m

$$A/m = \frac{\mu T}{1.25}$$

9 Test Result

Battery	Test Position	Test distance(cm)	E -field(V/m)	uT	H-field(A/m)
≤1%	Top	20	1.0926	0.056550	0.04524
≤1%	Left	20	0.8614	0.038675	0.03094
≤1%	Right	20	0.8332	0.036825	0.02946
≤1%	Rear	20	0.6284	0.029300	0.02344
≤1%	Front	20	0.6436	0.025375	0.0203
Limit			614	/	1.63
Margin Limit (%)			0.18%	/	2.78%

Battery	Test Position	Test distance(cm)	E -field(V/m)	uT	H-field(A/m)
=50%	Top	20	1.1026	0.062350	0.04988
=50%	Left	20	0.8763	0.048475	0.03878
=50%	Right	20	0.9485	0.050625	0.0405
=50%	Rear	20	0.8241	0.044025	0.03522
=50%	Front	20	0.7766	0.044975	0.03598
Limit			614	/	1.63
Margin Limit (%)			0.18%	/	3.06%

Battery	Test Position	Test distance(cm)	E -field(V/m)	uT	H-field(A/m)
≥99%	Top	20	0.5101	0.029100	0.02328
≥99%	Left	20	0.2272	0.013075	0.01046
≥99%	Right	20	0.1789	0.014000	0.0112
≥99%	Rear	20	0.1347	0.007975	0.00638
≥99%	Front	20	0.1459	0.008525	0.00682
Limit			614	/	1.63
Margin Limit (%)			0.08%	/	1.43%

10 Test Set-up Photo

