

TEST REPORT RADIO FREQUENCY FOR WIRELESS POWER TRANSFER

Report Number.	ITA26B08001645W 002		
Sample date	2026-08-19		
Test date	2026-08-19 to 2026-09-02		
Issue date	2026-09-02		
Total number of pages	8		
Standard/According to	KDB 680106 D01 Wireless Power Transfer v04		
Template version	V2.0		
Testing Laboratory	Itestek Testing Co., Ltd. (Dongguan)		
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Address	5082 4th street Inwindale, CA 91706 United States		
Manufacturer's name	Same as applicant		
Address	Same as applicant		
Factory's name	SHENZHEN SHOUERNUO TECHNOLOGY CO., LTD		
Address	901, Building 5, 10th Industrial Zone, Tianliao Community, Yutang Street, Guangming District, Shenzhen, 518127, Guangdong, China		
Trade Mark	PURE.GEAR		
Product description	Universal charging cable		
Model/Type reference	12582PG		
Ratings	Input: 5Vdc, 3A; 9Vdc, 3A; 12Vdc, 3A; 15Vdc, 3A; 20Vdc, 5A (Max 100W) Output: Type C Cable: 5Vdc, 3A; 9Vdc, 3A; 12Vdc, 3A; 15Vdc, 3A; 20Vdc, 5A (Max 100W) Wireless charging of Apple watch: 2.5W Wireless charging of Samsung watch: 2W		
FCC ID	YJW-12582PG		
Test result	Pass		

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2. If the report without tester's signature, auditor's signature, approver's signature and inspection seal, the report is invalid.
3. The test results are valid only for the tested samples.
4. After test and evaluation, our opinion is that the equipment provided for test compliance with the requirement of the above relevant standards.
5. If the report is not stamped with the accreditation recognized seal, it will only be used for scientific research, education, and internal quality control activities, and is not used for the purpose of issuing supporting data to the society.

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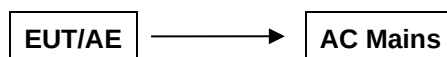
1. General test information

1.1. Description of EUT

Details of technical specification refer to the description in follows:

Test model number	12582PG
Test sample number	A-001
Model different	N/A
Frequency range (Hz)	110.1K-205K Hz: output power 2W for Samsung watch 326.5K Hz: output power 2.5W for Apple watch
Modulation technique	ASK
Antenna type	Coil Antenna
Antenna gain	0 dBi
Temperature range (°C)	-20 ~ 50
Hardware version	V1.0
Software version	V1.0

Block diagram EUT configuration for test



1.2. Test modes

Mode	Test Status
1	AC Mains (120Vac, 60Hz) + USB of type C for output 5Vdc 3A + Wireless charging of Samsung watch (110.1K-205KHz)
2	AC Mains (120Vac, 60Hz) + USB of type C for output 9Vdc 3A + Wireless charging of Samsung watch (110.1K-205KHz)
3	AC Mains (120Vac, 60Hz) + USB of type C for output 12Vdc 3A + Wireless charging of Samsung watch (110.1K-205KHz)
4	AC Mains (120Vac, 60Hz) + USB of type C for output 15Vdc 3A + Wireless charging of Samsung watch (110.1K-205KHz)
5	AC Mains (120Vac, 60Hz) + USB of type C for output 20Vdc 4.5A + Wireless charging of Samsung watch (110.1K-205KHz)
6	AC Mains (120Vac, 60Hz) + USB of type C for output 5Vdc 3A + Wireless charging of Apple watch (326.5KHz)
7	AC Mains (120Vac, 60Hz) + USB of type C for output 9Vdc 3A + Wireless charging of Apple watch (326.5KHz)

8	AC Mains (120Vac, 60Hz) + USB of type C for output 12Vdc 3A + Wireless charging of Apple watch (326.5KHz)
9	AC Mains (120Vac, 60Hz) + USB of type C for output 15Vdc 3A + Wireless charging of Apple watch (326.5KHz)
10	AC Mains (120Vac, 60Hz) + USB of type C for output 20Vdc 4.5A + Wireless charging of Apple watch (326.5KHz)
11	AC Mains (120Vac, 60Hz) + USB of type C for output 5Vdc 3A
12	AC Mains (120Vac, 60Hz) + USB of type C for output 9Vdc 3A
13	AC Mains (120Vac, 60Hz) + USB of type C for output 12Vdc 3A
14	AC Mains (120Vac, 60Hz) + USB of type C for output 15Vdc 3A
15	AC Mains (120Vac, 60Hz) + USB of type C for output 20Vdc 5A
16	AC Mains (120Vac, 60Hz) + Wireless charging of Samsung watch (110.1K-205KHz)
17	AC Mains (120Vac, 60Hz) + Wireless charging of Apple watch (326.5KHz)
18	AC Mains (120Vac, 60Hz) + Standby mode
Remark: The aforementioned testing modes were all conducted under battery Status $\leq 1\%$ (full load), battery Status $\approx 50\%$ (half load), and battery Status $\geq 99\%$ (no load) conditions. After testing, it was found that the test data under battery Status $\leq 1\%$ (full load) condition is the worst-case. The report reflecting only the worst-case test data.	

1.3. Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature range (°C)	15-35
Humidity range (%)	30-75
Pressure range (kPa)	85-105

1.4. Test environment conditions

Item	Equipment	Mfr/Brand	Model / Type	Series No.	Note
1	Load	Apple	Apple Watch Series 10	--	Wireless charging of watch: Max. 5W
2	Load	Samsung	Galaxy Watch 9	--	Wireless charging of watch: Max. 10W

3	Load	YBT	W V2.04	--	Wireless charging of watch: Max. 5W
4	XIAOMI Charge	XIAOMI	MDY-14-ED	--	Input: 100-240Vac, 50/60Hz, 3.0A Output: USB-C1/C2/C3 5Vdc, 3A; 9Vdc, 3A; 15Vdc, 3A; 11Vdc, 6.1A; 20Vdc, 5A; 20Vdc, 6A USB-A 5Vdc, 3A; 9Vdc, 3A; 12Vdc, 2.25A
Remark: The test utilized XIAOMI Charge and the input voltage of XIAOMI Charge was 120Vac, 60Hz.					

2. RF exposure test

2.1 Measuring standard

KDB 680106 D01 Wireless Power Transfer v04

47 CFR Part 2.1091

2.2 Measurement uncertainty

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	E-field	$\pm 0.97\%$
2	H-field	$\pm 0.74\%$
3	Temperature	$\pm 0.5^\circ\text{C}$
4	Humidity	$\pm 2\%$
Decision Rule ☒ Uncertainty is not included ☐ Uncertainty is included		

2.3 Test procedure

The RF exposure test was performed in anechoic chamber.

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.

The highest emission level was recorded and compared with limit as soon as measurement of each points (A, B, C, D, E) were completed.

The EUT was measured according to the dictates of KDB 680106 D01 v04.

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

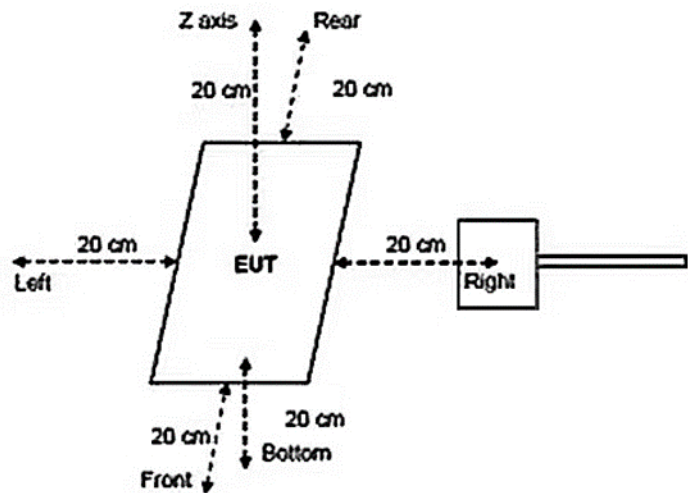
2.4 Limits

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).				

2.5 Test setup



2.6 Test equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Deadline
1	Near-field Electric and Electric Field Sensor System	Narda	EHP-400	4772	2025-09-09	2026-09-08

2.7 Test result

Test Mode	5	Remark	under battery Status ≤1% (full load)			Result	PASS
H-Filed Strength at 20 cm from the edges surrounding the EUT							
Unit	Top (A/m)	Bottom (A/m)	Left (A/m)	Right (A/m)	Front (A/m)	Rear (A/m)	Limits (A/m)
A/m	0.009	0.012	0.015	0.006	0.013	0.007	1.63
uT	0.01125	0.015	0.01875	0.0075	0.01625	0.00875	--

Test Mode	10	Remark	under battery Status ≤1% (full load)			Result	PASS
H-Filed Strength at 20 cm from the edges surrounding the EUT							
Unit	Top (A/m)	Bottom (A/m)	Left (A/m)	Right (A/m)	Front (A/m)	Rear (A/m)	Limits (A/m)
A/m	0.012	0.011	0.013	0.008	0.014	0.006	1.63
uT	0.015	0.01375	0.01625	0.01	0.0175	0.0075	--

Note: A/m=uT/1.25