

MPE Test Report

FCC ID: 2A9Q9-M2288Q

Report No. : SSP25120594-2H

Applicant : ShenZhen Zhongyi Technology CO., Ltd.

Product Name : 7700mAh Wireless Power Bank with TWS earphone

Model Name : M2288Q

Test Standard : FCC CFR 47 PART 1, 1.1310

Date of Issue : 2026-01-26

Shenzhen CCUT Quality Technology Co., Ltd.

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This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by Shenzhen CCUT Quality Technology Co., Ltd.

Test Report Basic Information

Applicant:	ShenZhen Zhongyi Technology CO., Ltd. Room 401, No.4 Road One, Shangxue Science and Technology City, Xinxue Address of Applicant.....: Community, Bantian Street, Longgang District, Shenzhen, China	
Manufacturer:	ShenZhen Zhongyi Technology CO., Ltd. Room 401, No.4 Road One, Shangxue Science and Technology City, Xinxue Address of Manufacturer.....: Community, Bantian Street, Longgang District, Shenzhen, China	
Product Name:	7700mAh Wireless Power Bank with TWS earphone	
Brand Name:	-	
Main Model:	M2288Q	
Series Models:	QC2288BK, QC2288WT	
Test Standard:	FCC CFR 47 PART 1, 1.1310 KDB 680106 D01 Wireless Power Transfer v04	
Date of Test	2026-01-04 to 2026-01-13	
Test Result:	PASS	
Tested By	 (Colin Chen)	
Reviewed By:	 (Lorix Luo)	
Authorized Signatory:	 (Lahm Peng)	
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CONTENTS

1. General Information.....	5
1.1 Product Information	5
1.2 Test Setup Information.....	6
1.3 Test Facilities.....	7
1.4 List of Measurement Instruments	7
1.5 Measurement Uncertainty	7
2. RF Exposure.....	8
2.1 Standard and Limit.....	8
2.2 Test Procedures	8
2.3 Test Setup Block Diagram.....	9
2.4 Test Data and Results.....	10
Annex A. Test Photos.....	12

Revision History

Revision	Issue Date	Description	Revised By
V1.0	2026-01-26	Initial Release	Lahm Peng

1. General Information

1.1 Product Information

Product Name:	7700mAh Wireless Power Bank with TWS earphone
Trade Name:	-
Test Model:	M2288Q
Series Models:	QC2288BK, QC2288WT
Rated Voltage:	Battery Capacity: 7700mAh/3.85V/29.65Wh/Power Bank Battery Capacity: 30mAh/3.7V/0.11Wh/Earbuds Output For Power Case: 5V=0.2A Type-C Input: 5V=3A, 9V=2A, 12V=1.5A, 18W Max Type-C Output: 5V=3A, 9V=2.22A, 10V=2.25A, 12V=1.67A 22.5W Max Wireless Output: 5W, 7.5W, 10W, 15W TWS earphone: 3.7V by battery, USB charging
Power Adapter:	-
Battery:	DC 3.85V, 7700mAh
Test Sample No:	SSP25120594-1
Hardware Version:	V1.0
Software Version:	V1.0
Note 1: The test data is gathered from a production sample, provided by the manufacturer. Note 2: The color of appearance and model name of series models listed are different from the main model, but the circuit and the electronic construction are the same, declared by the manufacturer.	

Wireless Specification	
Wireless Standard:	WPC (QI)
Operating Frequency:	Wireless charging Output (Phone):110.5kHz-205kHz
Modulation:	FSK
Antenna Gain:	0dBi
Type of Antenna:	Coil Antenna
Type of Device:	☒ Portable Device ☐ Mobile Device ☐ Modular Device

1.2 Test Setup Information

List of Test Modes			
Test Mode	Description	Remark	
TM1	Wireless charging 5W	-	
TM2	Wireless charging 7.5W	-	
TM3	Wireless charging 10W	-	
TM4	Wireless charging 15W	-	
TM5	Wireless charging 5W+Charging	-	
Note 1: All modes above have been tested and only the worst modes: TM4, data are represented in the report.			
Note 2: The adapter charging mode only supports 5W output.			
List and Details of Auxiliary Cable			
Description	Length (cm)	Shielded/Unshielded	With/Without Ferrite
USB cable	100	Unshielded	Without Ferrite
-	-	-	-
List and Details of Auxiliary Equipment			
Description	Manufacturer	Model	Serial Number
Adapter	XIAOMI	MDY-14-EU	HC78E2N6A23645
Phone	iPhone	iPhone 12pro	-

1.3 Test Facilities

Laboratory Name:	Shenzhen CCUT Quality Technology Co., Ltd. 1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen, Guangdong, China
CNAS Laboratory No.:	L18863
A2LA Certificate No.:	6983.01
FCC Registration No:	583813
ISED Registration No.:	CN0164

1.4 List of Measurement Instruments

Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
Electromagnetic radiation tester	WAVECONTROL	SMP3	23SL0158	2025-07-16	2026-07-15
Electromagnetic field probe	WAVECONTROL	WP400-3	24WP240067	2025-07-16	2026-07-15
Test Software	WAVECONTROL	SMP	N/A	N/A	N/A

Probe radius: 1.65CM

1.5 Measurement Uncertainty

Test Item	Frequency Range	Uncertainty
E-field	10Hz ~ 100kHz	± 2.6%
	100kHz ~ 400kHz	± 4.9%
H-field	10Hz ~ 3kHz	± 2.5%
	3kHz ~ 10kHz	± 2.6%
	10kHz ~ 100kHz	± 4.3%
	100kHz ~ 400kHz	± 5.0%

2. RF Exposure

2.1 Standard and Limit

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

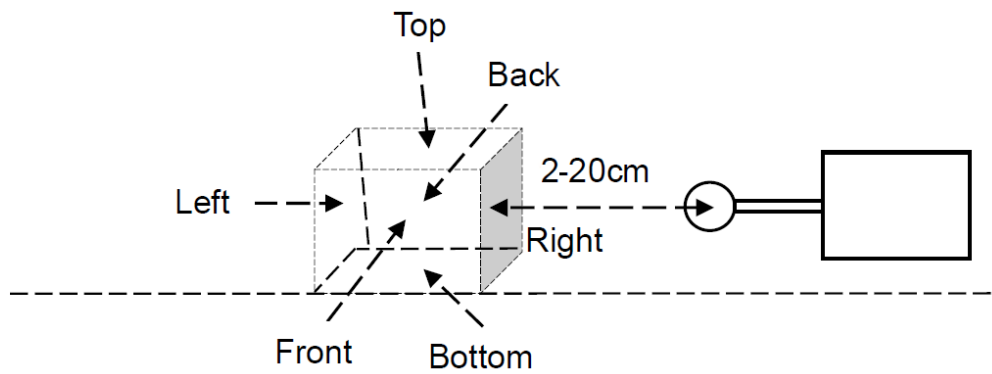
f = frequency in MHz

2.2 Test Procedures

The EUT was measured according to the KDB 680106 D01v04.

- 1) The RF exposure test was performed in an anechoic chamber.
- 2) The measurement probe was placed at test distance(2~20cm) which is between the edge of the wireless charger and the geometric center of probe for portable exposure, and the measurement probe was placed at test distance(20~24cm) which is between the edge of the wireless charger and the geometric center of probe for mobile exposure.
- 3) Choose the worst mode among battery with zero/partial/full charge, then perform measurement.
- 4) The highest emission level was recorded and all sides (A, B, C, D, E, F) were completed.
- 5) Calculate the final E/H-field strength.

2.3 Test Setup Block Diagram



Note: Front side = A, Right side = B, Back side = C, Left side = D, Top side = E, Bottom side = F.

2.4 Test Data and Results

For portable exposure conditions:

Operating modes with client device (1 %, 50%, 99% battery status of client device) have been tested, only show the data of worst case of battery status of client device.

H-field measurements taken every 2 cm (starting as close to 20 cm as possible) on each side of the device were also evaluated for portable exposure use condition.

Test Mode: TM4(the worst mode)

Transmitter Battery Level: 99%

Test Distance (cm)	Test Position A(uT)	Test Position B(uT)	Test Position C(uT)	Test Position D(uT)	Test Position E(uT)	Test Position F(uT)
2	0.655	0.855	0.856	0.787	0.681	0.791
4	0.184	0.331	0.312	0.442	0.361	0.395
6	0.093	0.295	0.278	0.278	0.201	0.188
8	0.081	0.196	0.177	0.195	0.131	0.067
10	0.045	0.078	0.088	0.167	0.079	0.057
12	0.036	0.066	0.082	0.131	0.058	0.043
14	0.029	0.053	0.079	0.081	0.046	0.035
16	0.023	0.046	0.073	0.062	0.033	0.027
18	0.021	0.037	0.067	0.042	0.027	0.023
20	0.016	0.015	0.023	0.021	0.017	0.015

Test Distance (cm)	Test Position						Limits (A/m)
	A (A/m)	B (A/m)	C (A/m)	D (A/m)	E (A/m)	F (A/m)	
2	0.524	0.684	0.685	0.630	0.545	0.633	1.63
4	0.147	0.265	0.250	0.354	0.289	0.316	1.63
6	0.074	0.236	0.222	0.222	0.161	0.150	1.63
8	0.065	0.157	0.142	0.156	0.105	0.054	1.63
10	0.036	0.062	0.070	0.134	0.063	0.046	1.63
12	0.029	0.053	0.066	0.105	0.046	0.034	1.63
14	0.023	0.042	0.063	0.065	0.037	0.028	1.63
16	0.018	0.037	0.058	0.050	0.026	0.022	1.63
18	0.017	0.030	0.054	0.034	0.022	0.018	1.63
20	0.013	0.012	0.018	0.017	0.014	0.012	1.63

Note: H-field(A/m) = H-field(uT)/1.25.

Using Polynomial order 10, the value of 4 cm and 6 cm can be estimated, and the result of comparison meets the requirements (<30%), therefore, the calculation method is acceptable.

Distance: 4cm

Test Position	A	B	C	D	E	F
Valuation (A/m)	0.147	0.265	0.266	0.354	0.289	0.316
Measure Value (A/m)	0.146	0.264	0.265	0.353	0.288	0.315
Agreement Ratio (%)	-0.68%	-0.38%	-0.38%	-0.28%	-0.35%	-0.32%
Limit (%)	30%	30%	30%	30%	30%	30%
Result	Pass	Pass	Pass	Pass	Pass	Pass

Distance: 6cm

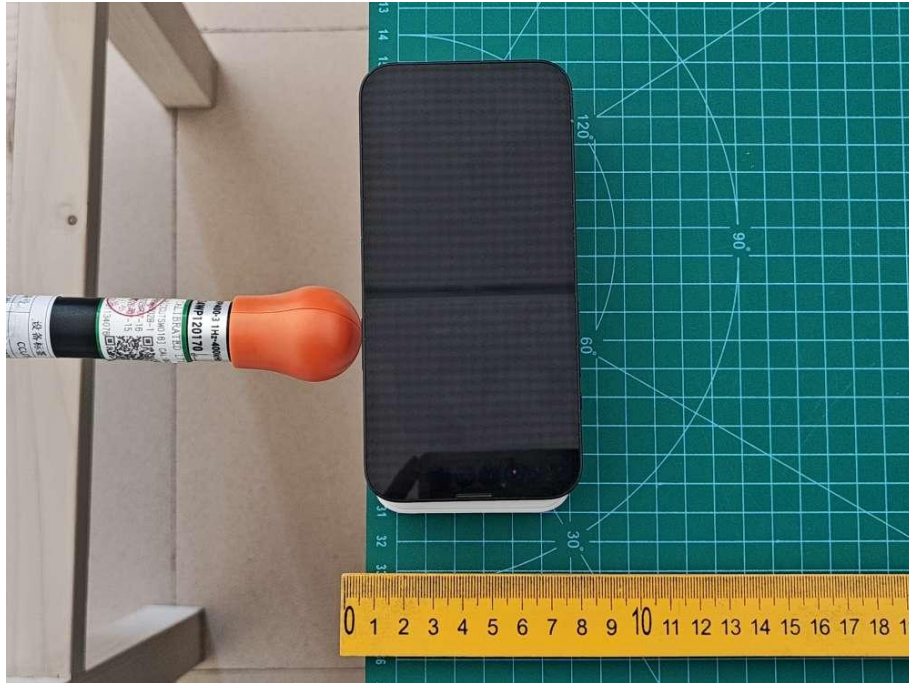
Test Position	A	B	C	D	E	F
Valuation (A/m)	0.074	0.236	0.230	0.222	0.161	0.150
Measure Value (A/m)	0.073	0.235	0.229	0.221	0.160	0.149
Agreement Ratio (%)	-1.37%	-0.43%	-0.44%	-0.45%	-0.63%	-0.67%
Limit (%)	30%	30%	30%	30%	30%	30%
Result	Pass	Pass	Pass	Pass	Pass	Pass

Based on the above results, using Polynomial order 10, the value of 0 cm can be estimated as below.

Test Distance (cm)	Test Position						Limits (A/m)
	A (A/m)	B (A/m)	C (A/m)	D (A/m)	E (A/m)	F (A/m)	
0	0.89	1.34	1.62	1.01	0.66	1.32	1.63
Test Results: PASS							

Annex A. Test Photos

Test View 1



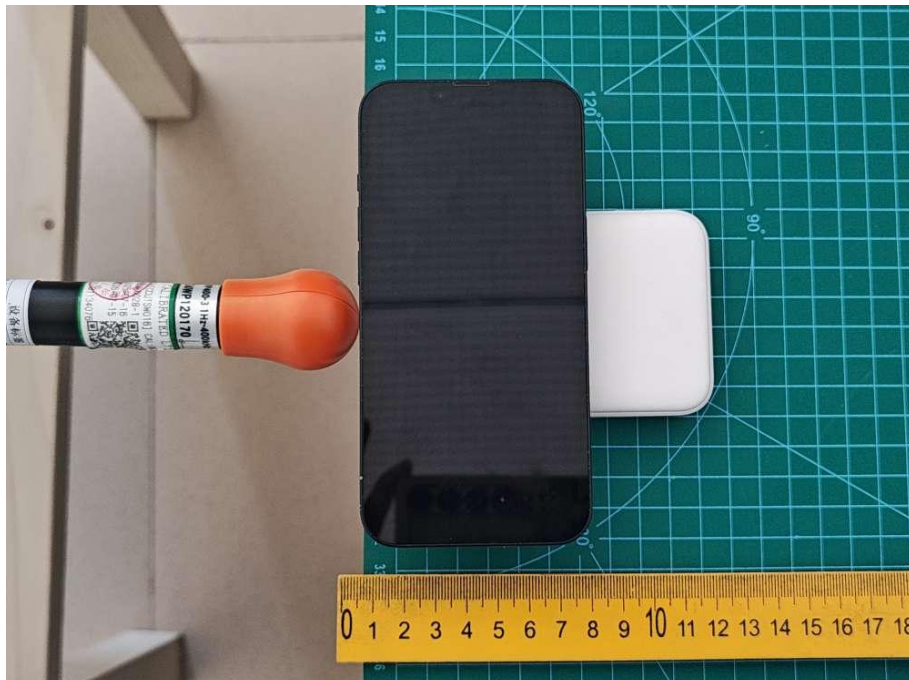
Test View 2



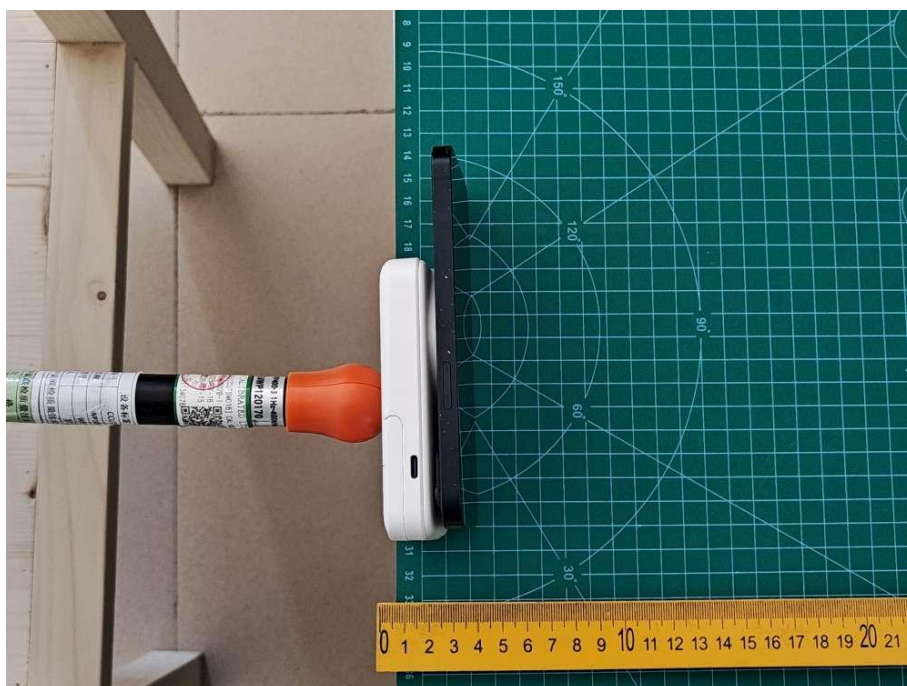
Test View 3



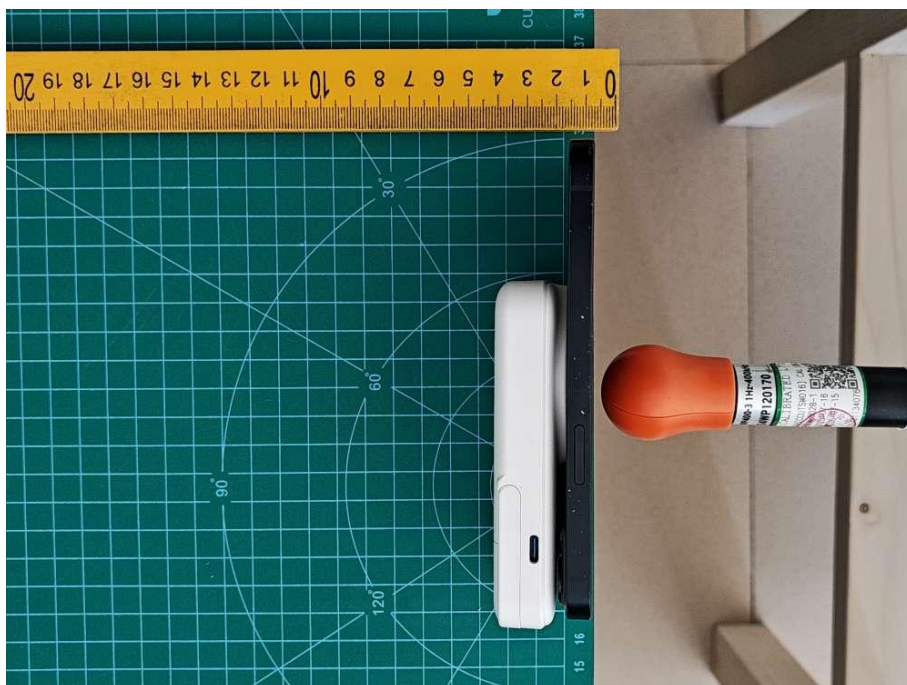
Test View 4



Test View 5



Test View 6



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