

RF Exposure Report

FCC ID: 2BM8K-TMAX10K

Report No. : SSP25020248-1E

Applicant : AMAZINGTHING (DONGGUAN)CO..LTD

Product Name : Amazingthing Thunder Max 10000mAh (Power Bank)

Model Name : TMAX10K

Test Standard : FCC CFR 47 PART 1, 1.1310

Date of Issue : 2025-03-27



Shenzhen CCUT Quality Technology Co., Ltd.

1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen,
Guangdong, China; (Tel.:+86-755-23406590 website: www.ccuttest.com)

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:	AMAZINGTHING (DONGGUAN)CO..LTD Room 701, Unit 3, Building 1, Anhe innovationTechnology Park, No.16, Bihu Address of Applicant.....: Road, Fenggang Town Dongguan China
Manufacturer:	Shenzhen Haopin Technology Co., LTD North of the 11th floor, A2 building, Xinghua Xiong, Baihua Community, Address of Manufacturer.....: Guangming Street, Guangming District, Shenzhen
Product Name:	Amazingthing Thunder Max 10000mAh (Power Bank)
Brand Name:	Amazingthing
Main Model:	TMAX10K
Series Models:	TMAX10KBK, TMAX10KBU, TMAX10KGY
Test Standard:	FCC CFR 47 PART 1, 1.1310 KDB 680106 D01 Wireless Power Transfer v04
Date of Test	2025-03-12 to 2025-03-21
Test Result:	PASS
Tested By	<u>Colin Chen</u> (Colin Chen)
Reviewed By:	<u>Lieber Ouyang</u> (Lieber Ouyang)
Authorized Signatory:	<u>Lahm Peng</u> (Lahm Peng)
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Revision History

Revision	Issue Date	Description	Revised By
V1.0	2025-03-27	Initial Release	Lahm Peng

1. General Information

1.1 Product Information

Product Name:	Amazingthing Thunder Max 10000mAh (Power Bank)
Trade Name:	Amazingthing
Main Model:	TMAX10K
Series Models:	TMAX10KBK, TMAX10KBU, TMAX10KGY
Rated Voltage:	Type-C Input: 5V=3A, 9V=2A, 12V=1.5A (18W Max) Type-C1 Cable Input: 5V=3A, 9V=2A, 12V=1.5A (18W Max) Type-C Output: 5V=3A, 5V=4.5A, 9V=2.22A, 10V=2.25A, 12V=1.67A (22.5W Max) Type-C1 Cable Output: 5V=3A, 5V=4.5A, 9V=2.22A, 10V=2.25A, 12V=1.67A (22.5W Max) Type-C2 Cable Output: 5V=2.4A (12W Max) Watch Wireless Output: 2W (Max) Wireless Output: 5W, 7.5W, 10W, 15W (Max)
Power Adapter:	-
Battery:	DC 3.85V, 10000mAh, 38.5Wh
Test Sample No:	SSP25020248-1
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, Wireless charging Output (Watch): 300kHz-360kHz
Modulation:	ASK
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	15W (Mobile Phone)	
TM2	Wireless Charging	10W (Mobile Phone)	
TM3	Wireless Charging	7.5W (Mobile Phone)	
TM4	Wireless Charging	5W (Mobile Phone)	
TM5	Wireless Charging	2W (Watch)	
Note: All modes have been tested and only the worst mode TM1 data is represented in the report.			
List and Details of Auxiliary Cable			
Description	Length (cm)	Shielded/Unshielded	With/Without Ferrite
-	-	-	-
List and Details of Auxiliary Equipment			
Description	Manufacturer	Model	Serial Number
Dummy load	YBZ	YBZ-001	N/A
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.:	6893.01
FCC Registration No.:	583813
ISED Registration No.:	CN0164
All measurement facilities used to collect the measurement data are located at 1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen, Guangdong, China.	

1.4 List of Measurement Instruments

Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
Electromagnet-ic radiation tester	WAVECONTROL	SMP3	23SL0158	2024-10-16	2025-10-15
Electromagnet-ic field probe	WAVECONTROL	WP400-3	24WP240067	2024-10-16	2025-10-16
Test Software	WAVECONTROL	SMP	N/A	N/A	N/A

1.5 Measurement Uncertainty

Test Item	Uncertainty
E-field	0.6 dB
H-field	0.6 dB

2. RF Exposure

2.1 Standard and Limit

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)

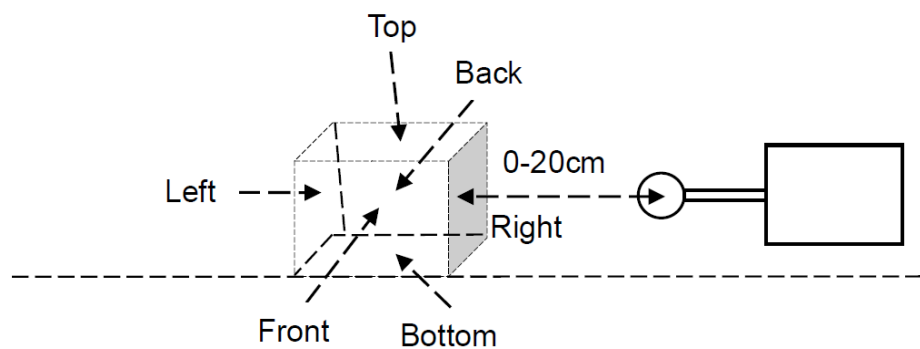
Limits for Maximum Permissible Exposure (MPE)

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

2.2 Test Procedures

- 1) The RF exposure test was performed in anechoic chamber.
- 2) Perform H-field measurements for each edge/top surface of the host/client pair at every 2 cm, starting from as close as possible out to 20 cm.
- 3) The highest emission level was recorded and compared with limit.



Test Setup Block Diagram

2.2 Test Data and Results

For portable exposure condition:

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

H-field measurements taken every 2 cm (starting as close to 20 cm as possible) on each edge/top surface of the host/client pair were also evaluated for portable use conditions. The report reflects data for the worst 0 cm test distance mode only.

Test condition 1: Mode 1 operating mode with client device (1 % battery status of client device).

Maximum permissible Exposure (Phone: 110.5kHz-205kHz)				
Battery levels	Test sides	Test distance(cm)	E-field(V/m)	H-field(A/m)
<1%	Top	0	72.5	0.53
<1%	Left	0	73.5	0.51
<1%	Right	0	75.6	0.43
<1%	Front	0	52.1	0.31
<1%	Back	0	32.1	0.42
<1%	Bottom	0	51.5	0.48
Limit			614	1.63
Margin Limit (%)			12.3%	32.52%

When setting MAGPy to select compliance location as probe tip, the measured value is extrapolated to 0mm as the result.

Maximum permissible Exposure (Phone: 110.5kHz-205kHz)				
Battery levels	Test sides	Test distance(cm)	E-field(V/m)	H-field(A/m)
<1%	Top	0	73.2	0.66
<1%	Left	0	74.1	0.63
<1%	Right	0	76.3	0.51
<1%	Front	0	53.2	0.45
<1%	Back	0	33.3	0.53
<1%	Bottom	0	53.6	0.52
Limit			614	1.63
Margin Limit (%)			12.43%	40.49%

Annex A. Test Photos

Test View 1



Test View 2



Test View 3



Test View 4



Test View 5**Test View 6**

******* END OF REPORT *******