

RF Exposure Report

FCC ID: 2AGA5-F21

Report No. : SSP25090217-2E

Applicant : SHENZHEN UGOOD TECHNOLOGY CO., LIMITED

Product Name : 3-in-1 Wireless Charger

Model Name : F21

Test Standard : FCC CFR 47 PART 1, 1.1310

Date of Issue : 2025-09-27

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 UGOOD TECHNOLOGY CO., LIMITED 302, Building 22, Lianchuang Technology Park, No. 21 Bulan Road, Xia li lang Address of Applicant.....: Community, Nanwan Street, Longgang District, Shenzhen, China	
Manufacturer:	SHENZHEN UGOOD TECHNOLOGY CO., LIMITED 302, Building 22, Lianchuang Technology Park, No. 21 Bulan Road, Xia li lang Address of Manufacturer.....: Community, Nanwan Street, Longgang District, Shenzhen, China	
Product Name:	3-in-1 Wireless Charger	
Brand Name:	MIABOO, UGOOD	
Main Model:	F21	
Series Models:	QC210, QC210WT, QC210BK	
Test Standard:	FCC CFR 47 PART 1, 1.1310 KDB 680106 D01 Wireless Power Transfer v04	
Date of Test:	2025-08-30 to 2025-09-26	
Test Result:	PASS	
Tested By	<u>Leonis Cai</u> (Leonis Cai)	
Reviewed By:	<u>Lorzix Luo</u> (Lorzix Luo)	
Authorized Signatory:	<u>Lahm Peng</u> (Lahm Peng)	
Note : 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.. All test data presented in this test report is only applicable to presented test sample.		

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Revision History

Revision	Issue Date	Description	Revised By
V1.0	2025-09-27	Initial Release	Lahm Peng

1. General Information

1.1 Product Information

Product Name:	3-in-1 Wireless Charger
Trade Name:	MIABOO, UGOOD
Test Model:	F21
Series Models:	QC210, QC210WT, QC210BK
Rated Voltage:	Input USB-C: 5V=3A, 9V=3A, 12V=2.5A Wireless Output: 5W, 7.5W, 10W, 15W Apple Watch Wireless charging: 2.5W Earphone Wireless charging: 3W
Test Sample No:	SSP25090217-1
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
Operating Frequency:	Wireless charging Output (Phone/Earphone):110.5kHz-205kHz Wireless charging Output (Watch):310kHz-340kHz
Modulation:	FSK
Antenna Gain:	0dBi
Type of Antenna:	Coil Antenna
Type of Device:	☐ Portable Device ☒ Mobile Device

1.2 Test Setup Information

List of Test Modes			
Test Mode	Description	Remark	
TM1	Wireless Charging	15W (Mobile Phone) + 3W (Earphone) + 2.5W (Apple Watch)	
TM2	Wireless Charging	15W (Mobile Phone)	
TM3	Wireless Charging	10W (Mobile Phone)	
TM4	Wireless Charging	7.5W (Mobile Phone)	
TM5	Wireless Charging	5W (Mobile Phone)	
TM6	Wireless Charging	3W (Earphone)	
TM7	Wireless Charging	2.5W (Watch)	
TM8	Wireless Charging	15W (Mobile Phone) + 3W (Earphone)	
TM9	Wireless Charging	10W (Mobile Phone) + 3W (Earphone)	
TM10	Wireless Charging	7.5W (Mobile Phone) +3W (Earphone)	
TM11	Wireless Charging	5W (Mobile Phone) + 3W (Earphone)	
TM12	Wireless Charging	15W (Mobile Phone) + 2.5W (Apple Watch)	
TM13	Wireless Charging	10W (Mobile Phone) + 2.5W (Earphone)	
TM14	Wireless Charging	7.5W (Mobile Phone) +2.5W (Earphone)	
TM15	Wireless Charging	5W (Mobile Phone) + 2.5W (Earphone)	
TM16	Wireless Charging	3W (Earphone) + 2.5W (Apple 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
Phone	iPhone	iPhone 12pro	-
Adapter	Xiaomi	MDY-14-EU	HC78E2N6A23645
Earphone charging case	Xiaomi	FreeBuds Pro2	-
Apple Watch	iPhone	A2855	GK46LFW525

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
Electromagnet-ic radiation tester	WAVECONTROL	SMP3	23SL0158	2025-07-16	2026-07-15
Electromagnet-ic field probe	WAVECONTROL	WP400-3	24WP120170	2025-07-16	2026-07-15
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)

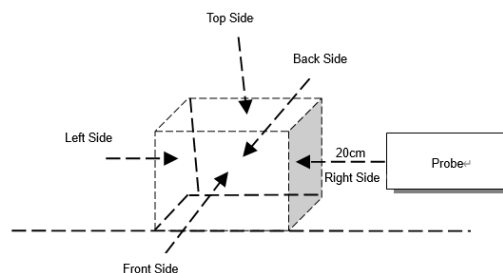
Limits for Maximum Permissible Exposure (MPE)

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) E and H-field measurements should be made with the center of the probe at a distance of 20cm surrounding the device and 20 cm above the top surface of the primary/client pair.
These measurements should be repeated for three different client battery levels, 1%, 50%, and 99%.
- 3) The highest emission level was recorded and compared with limit as soon as measurement of each points were completed.
- 4) The EUT was measured according to the dictates of KDB 680106 D01 v04.



Test Setup Block Diagram

2.3 Test Data and Results

All modes including full load, halfload and no-load have been tested, The report reflects data for the worst TM1 mode only.

Test condition 1: Mode 1 operating mode with client device.

Maximum permissible Exposure			
Battery levels	Test sides	Test distance(cm)	H-field(uT)
<1%	Top	20	0.33
<1%	Left	20	0.29
<1%	Right	20	0.56
<1%	Front	20	0.23
<1%	Back	20	0.31

Maximum permissible Exposure				
Battery levels	Test sides	Test distance(cm)	E -field(V/m)	H-field(A/m)
<1%	Top	20	2.289	0.26
<1%	Left	20	4.176	0.23
<1%	Right	20	6.306	0.45
<1%	Front	20	3.545	0.18
<1%	Back	20	1.683	0.25
Limit			614	1.63
50% Margin Limit			307	0.815

Note: $A/m = uT/1.25$

Maximum permissible Exposure			
Battery levels	Test sides	Test distance(cm)	H-field(uT)
<50%	Top	20	0.12
<50%	Left	20	0.27
<50%	Right	20	0.31
<50%	Front	20	0.19
<50%	Back	20	0.22

Maximum permissible Exposure				
Battery levels	Test sides	Test distance(cm)	E -field(V/m)	H-field(A/m)
<50%	Top	20	2.119	0.10
<50%	Left	20	4.327	0.22
<50%	Right	20	6.115	0.25
<50%	Front	20	3.738	0.15
<50%	Back	20	1.346	0.18
Limit			614	1.63
50% Margin Limit			307	0.815

Note: $A/m = uT/1.25$

Maximum permissible Exposure			
Battery levels	Test sides	Test distance(cm)	H-field(uT)
<99%	Top	20	0.43
<99%	Left	20	0.22
<99%	Right	20	0.49
<99%	Front	20	0.37
<99%	Back	20	0.28

Maximum permissible Exposure				
Battery levels	Test sides	Test distance(cm)	E -field(V/m)	H-field(A/m)
<99%	Top	20	2.455	0.34
<99%	Left	20	4.339	0.18
<99%	Right	20	6.324	0.39
<99%	Front	20	3.246	0.30
<99%	Back	20	2.117	0.22
Limit			614	1.63
50% Margin Limit			307	0.815

Note: $A/m = uT/1.25$

Annex A. Test Photos

Test View 1

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