

RF EXPOSURE REPORT

FCC ID: 2BBLE-UGB-260W

Report Reference No. : 23EFSS05050 04051
Date Sample(s) Received : 2023-05-15
Date of Tested : From 2023-05-15 to 2023-06-06
Date of issue : 2023-06-06

Applicant's name : ShenZhen Ugoodbuy Technology limited
Address : Floor 4 , Trade Plaza NO.1, China South CityPinghu Town,
Longgang District, Shenzhen China
Manufacturer : ShenZhen Ugoodbuy Technology limited

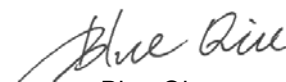
Equipment :
power supply

Trade Mark : Ugoodbuy

Model : 868D,818H,UGB-260W,UGB-160W
Ratings : Input: AC 100V-240V 3A Max
Wireless Output: 15W max

Testing Laboratory..... : DongGuan ShuoXin Electronic Technology Co., Ltd.
Address : Zone A, 1F, No. 6, XinGang Road YuanGang Street,
XinAn District, ChangAn Town, DongGuan City,
GuangDong, China
According : FCC CFR 47 part1,1.1310 KDB680106 D01v03R01

Test Engineer:


Blue Qiu

Responsible Engineer :


Smile Wang

Authorized Signatory:


King Wang

1,GENERAL DESCRIPTION OF EUT

Equipment	power supply	
Brand Name	Ugoodbuy	
Test Model	UGB-260W	
Series Model	868D,818H,UGB-260W,UGB-160W	
Model Difference(s)	The differences between models are the same except for the differences in model name.	
Hardware Version	V1.0	
Software Version	V1.0	
PowerSource	Input: AC 100V-240V 3A Max	
Operation Frequency	110.5kHz-205kHz	
Modulation Technology	FSK	
Antenna Information	Antenna Type:Coil	Maximum Peak Gain: 0dBi

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)	Note
1	N/A	UGB-260W	Coil	N/A	0	

1.1, MEASUREMENT UNCERTAINTY

Test Item	Uncertainty
H-filed	$\pm 1.3\mu\text{T}$
E-filed	$\pm 12\%$

2, MAXIMUM PERMISSIBLE EXPOSURE

2.1 EQUIPMENT LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Electromagnetic field strength analyzer	Narda	ELT-400	L-0019	2023.11.23
2	Three-dimensional omnidirectional electric and magnetic field combo probe	Narda	ELT	N/A	2023.11.23

2.2 MAXIMUM PERMISSIBLE EXPOSURE

Limit of Maximum Permissible Exposure

Limits for Occupational / Controlled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6

Limits for General Population / Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180 / f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1	30

Note 1: f = frequency in MHz ; *Plane-wave equivalent power density

Note 2: For the applicable limit, see FCC 1.1310, 680106 D01 RF Exposure Wireless Charging Apps v03

Note 3: Emissions between 100 kHz to 300 kHz should be assessed versus the limits at 300 kHz in Table 1 of Section 1.1310: 614 V/m and 1.63 A/m. A KDB inquiry is required to determine the applicable exposure limits below 100 kHz.

Note 4: The aggregate H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.

2.3 TEST PROCEDURE

a. For devices designed for typical desktop applications, such a wireless charging pads, RF exposure evaluation should be conducted assuming a user separation distance of 20 cm (Top) and 15cm (Edge). E and H field strength measurements or numerical modeling may be used to demonstrate compliance. Measurements should be made from all sides and the top of the primary/client pair, with the 20 cm(Top) and 15cm(Edge) measured from the center of the probe(s) to the edge of the device.

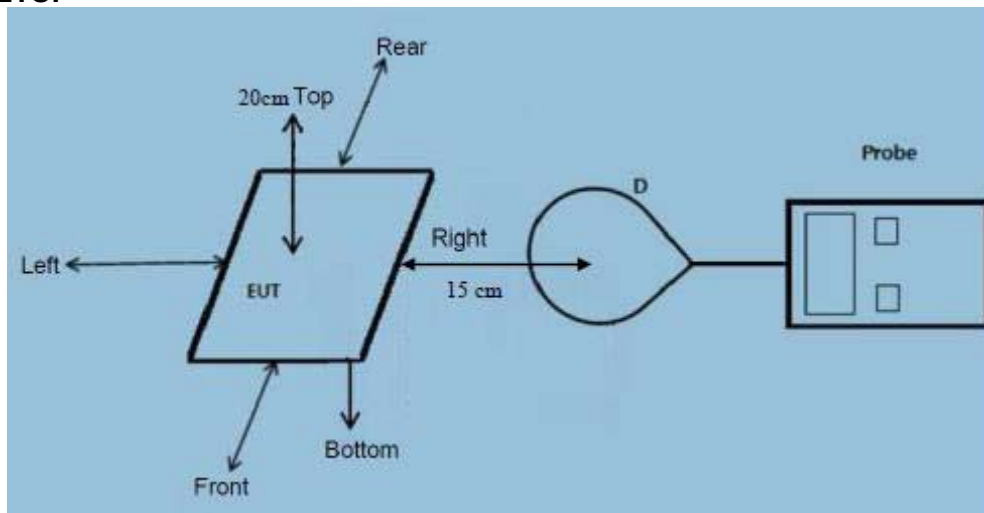
The test system was pre-tested based on the consideration of all possible combinations of EUT operation mode.

Pretest Mode	Description
Mode 1	Wireless Charging

Following mode(s) as (were) found to be the worst case(s) and selected for the final test.

Final Test Mode	Description
Mode 1	Wireless Charging

2.4 TEST SETUP



2.5 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
AE1	Intelligent wireless charging full function test module	YBZ	QI TI 1000MA	/

2.6 TEST RESULTS

The EUT does comply with item 5 KDB680106 D01 v03.

- (1) Power transfer frequency is less than 1 MHz
- (2) Output power from each primary coil is less than or equal to 15 watts.
- (3) The system may consist of more than one source primary coils, charging one or more clients. If more than one primary coil is present, the coil pairs may be powered on at the same time.
- (4) Client device is placed directly in contact with the transmitter.
- (5) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).
- (6) The aggregate H-field strengths anywhere at or beyond 15 cm surrounding the device, and 20 cm away from the surface from all coils that by design can simultaneously transmit, and while those coils are simultaneously energized, are demonstrated to be less than 50% of the applicable MPE limit.

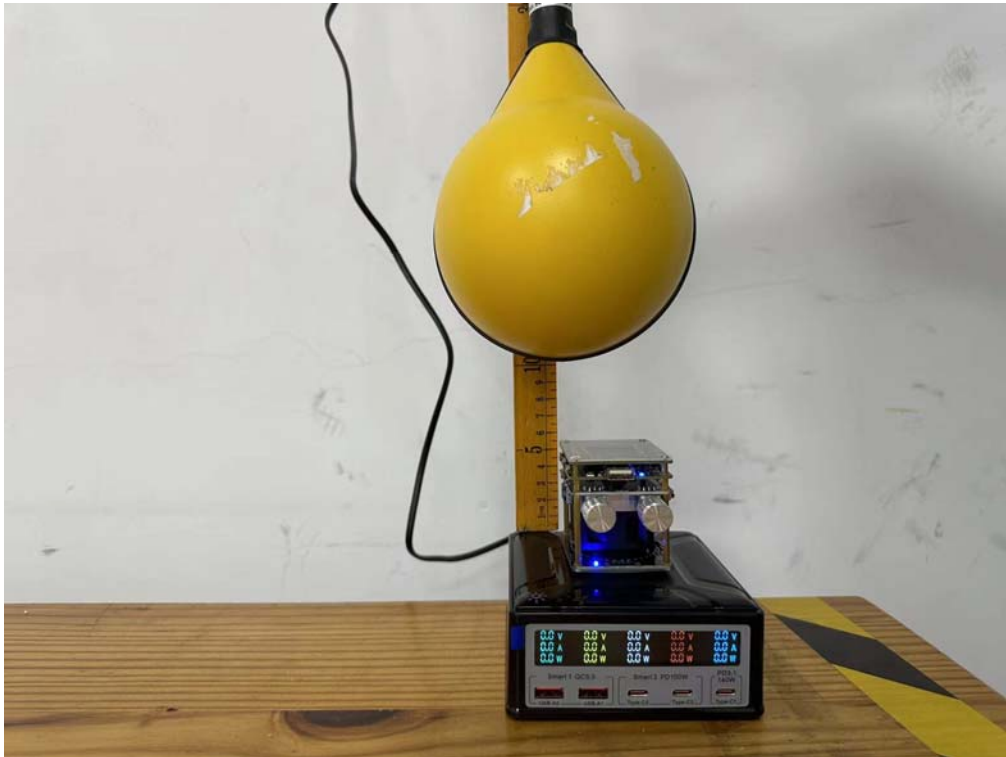
2.7 MAXIMUM PERMISSIBLE EXPOSURE

Maximum Permissible Exposure				
Charging	Separation	Probe from EUT Side	E-field (V/m)	H-field (A/m)
< 1% Battery	15cm	Front	5.123	0.125
< 1% Battery	15cm	Rear	5.546	0.131
< 1% Battery	15cm	Left	5.381	0.128
< 1% Battery	15cm	Right	5.754	0.126
< 1% Battery	20cm	Top	5.356	0.139
Limit			614	1.63
Margin Limit (%)			0.87%	8.53%

Maximum Permissible Exposure				
Charging	Separation	Probe from EUT Side	E-field (V/m)	H-field (A/m)
50% Battery	15cm	Front	5.382	0.136
50% Battery	15cm	Rear	5.164	0.158
50% Battery	15cm	Left	5.156	0.141
50% Battery	15cm	Right	5.239	0.167
50% Battery	20cm	Top	5.376	0.126
Limit			614	1.63
Margin Limit (%)			0.88%	7.73%

Maximum Permissible Exposure				
Charging	Separation	Probe from EUT Side	E-field (V/m)	H-field (A/m)
> 99% Battery	15cm	Front	5.365	0.132
> 99% Battery	15cm	Rear	5.582	0.123
> 99% Battery	15cm	Left	5.763	0.168
> 99% Battery	15cm	Right	5.264	0.161
> 99% Battery	20cm	Top	5.366	0.158
Limit			614	1.63
Margin Limit (%)			0.87%	9.69%

MPE SETUP PHOTO



END OF REPORT