

RF Exposure Evaluation

Client Information:

Applicant: SHENZHEN SNAPPER TECHNOLOGY CO., LTD

F4, BldgE, Fenghuang third Industrial area, Tengfeng Road, Fuyong,

Report No.: AITSZ24031203IW1

Applicant add.: Baoan, Shenzhen

Manufacturer: SHENZHEN SNAPPER TECHNOLOGY CO., LTD

F4, BldgE, Fenghuang third Industrial area, Tengfeng Road, Fuyong,

Manufacturer add.:

Baoan,Shenzhen

Product Information:

Product Name: Universal Power Charger

Model No.: PS-B004WA

Brand Name: N/A

FCC ID: 2BC8J-PS-B004WA

Applicable standards: FCC CFR 47 PART 1, § 1.1310

Applicable standards: KDB 680106 D01 Wireless Power Transfer v04

Prepared By:

Guangdong Asia Hongke Test Technology Limited

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Date of Receipt: Mar. 12, 2024 Date of Test: Mar. 12, 2024 ~ Mar. 20, 2024

Date of Issue: Mar. 20, 2024 Test Result: Pass

This device described above has been tested by Guangdong Asia Hongke Test Technology Limited and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Reviewed by:

Sean She

Sean She

Approved by:

Eder Zhan





TABLE OF CONTENTS

1	TEST FACILITY	4
	1.1 Deviation from standard	4
	1.2 Abnormalities from standard conditions	4
	1.3 Test Location	4
2	GENERAL INFORMATION	5
3	Measuring Standard	6
4	Test Setup	7
5	Equipment Approval Considerations	8
6	Description of the test mode	9
7	Compliance Location: Center vs Tip-Surface of the Probe	11
8	Test Result	13
9	Test Setup photo	25



Revision History

Revision	Issue Date	Revisions	Revised By
00	Mar. 20, 2024	Initial Issue	Eder Zhan



1 TEST FACILITY

The test facility is recognized, certified or accredited by the following organizations:

FCC-Registration No.: 251906 Designation Number: CN1376

Guangdong Asia Hongke Test Technology Limited has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

Report No.: AITSZ24031203IW1

IC —Registration No.: 31737 CAB identifier: CN0165

The 3m Semi-anechoic chamber of Guangdong Asia Hongke Test Technology Limited has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 31737

A2LA-Lab Cert. No.: 7133.01

Guangdong Asia Hongke Test Technology Limited has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

1.1 Deviation from standard

None

1.2 Abnormalities from standard conditions

None

1.3 Test Location

Guangdong Asia Hongke Test Technology Limited

Address: B1/F, Building 11, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Tel.: +86 0755-230967639 Fax.: +86 0755-230967639



2 GENERAL INFORMATION

EUT Name:	Universal Power Charger
Model No:	PS-B004WA
Serial Model:	N/A
Test sample(s) ID:	AITSZ24031204001
Sample(s) Status:	Engineer sample
Operation frequency:	115kHz-205kHz
Modulation Technology:	MSK
Antenna Type:	Coil Antenna
Antenna gain:	0dBi
Hardware version.:	V1.0
Software version.:	V1.0
	AC Input: 100-240VAC 50/60Hz 0.6A Max
	Type-C Input: DC5V3A,9V2A,12V1.5A PD18W Max
	Type-C Output: DC5V3A,9V2A,12V1.67A PD20W Max
D	Type-C cable output : DC5V3A,9V2A,12V1.67A PD20W Max
Power supply:	Lightning Cable Output: DC5V2.4A Max
	USB-A Output: DC5V3A, 9V2A, 12V1.5A 18W Max
	Wireless output: 5W/7.5W/10W/15W Max
	Total Sharing Output: DC 5V3A Max
Model different:	N/A
Note:	For a more detailed features description, please refer to the manufacturer's
NOLE.	specifications or the User's Manual.



Measuring Standard 3

According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines. According to §1.1310 and §2.1091 RF exposure is calculated. According KDB680106 D01: KDB 680106 D01 Wireless Power Transfer v04.

1 Requirements

According to the item 3 of KDB 680106 D01v04:

Inductive wireless power transfer applications that meet all of the following requirements are excluded from submitting an RF exposure evaluation.

- (1) Mobile Device and Portable Device Configurations
- (2) Equipment Authorization Procedures for Devices Operating at Frequencies Below 4 MHz
- (3) The aggregate H-field strengths anywhere at or beyond 15 cm surrounding the device, and 20 cm away from the top surface.

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/cm²)	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	/	1	5	6		
	(B) Limits for Genera	l Population/Uncontrolle	ed 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	/	1	f/1500	30		
1500-100,000	/	/	1.0	30		

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

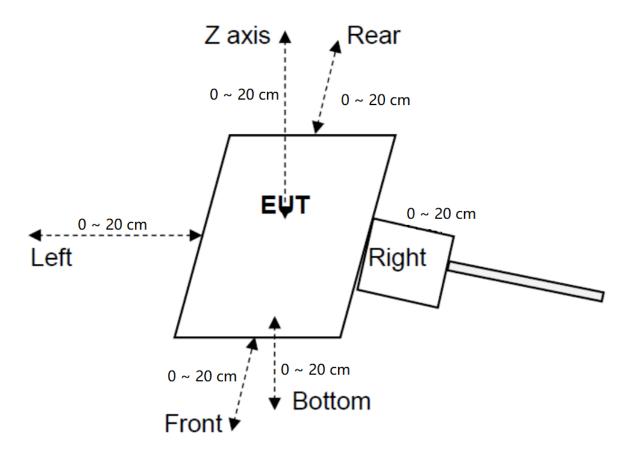
Note 2: For the applicable limit, see FCC 1.1310, 680106 D01 RF Exposure Wireless Charging Apps v03 Note 3: Emissions between 100 kHz to 300 kHz should be assessed versus the limits at 300 kHz in Table 1 of Section 1.1310: 614 V/m and 1.63 A/m. A KDB inquiry is required to determine the applicable exposure limits below 100 kHz.

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



4 Test Setup



2 Test Procedure

- 1) The RF exposure test was performed in anechoic chamber.
- 2) The measurement probe was placed at test distance (2cm increments from $0 \sim 20$ cm for all sides) which is between the edge of the charger and the geometric edge of probe.
- 3) The highest emission level was recorded and compared with limit as soon as measurement of each points (A, B, C, D, E, F) were completed.
- 4) The EUT was measured according to the dictates of KDB 680106 D01 Wireless Power Transfer v04.

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



5 Equipment Approval Considerations

The EUT does comply with KDB 680106 D01 as follow table.

Requirements of section 3 of KDB 680106 D01	Yes / No	Description
Mobile Device and Portable Device Configurations	Yes	Portable Device
Equipment Authorization Procedures for Devices Operating at Frequencies Below 4 MHz	Yes	The device operate in the frequency range 115kHz-205kHz
RF Exposure compliance may be ensured only for a minimum separation distance that is greater than 20 cm, while use conditions at smaller distances can still be considered unlikely.	No	The EUT H-field and E-field strengths at 0 cm surrounding the device.



6 Description of the test mode

Equipment under test was operated during the measurement under the following conditions:

Test Mode	Description	
Mode 1	EUT + Mobile phone	Record
Mode 2	Adapter + EUT + Mobile phone	Pre-test

Note: 1. All test modes were pre-tested, but we only recorded the worst case in this report.

2. Unfolded and folded mode were tested, but we only recorded the worst case.

3 Peripheral List

No.	Equipment	Manufacturer	Model No.	Serial No.	Power cord	signal cable
1	Wireless charger receiver	YBZ	15W	N/A	N/A	N/A
2	Adapter	HNT	HNT-QC530	N/A	N/A	N/A

4 Test Instruments list

Test Equipment	Manufacturer	Model No.	SN.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
Magnetic Amplitude and Gradient Probe	SPEAG	MAGPy-8H3D+E3D V2 & MAGPy-DAS V2	3107 & 3097	03.15.2024	03.14.2025
System		& MAGPY-DAS VZ	3097		



1 age	10 01 21 Report 140.: 74116
Parameter	Specs
Probe design	
Diameter	$60\mathrm{mm}$
8 isotropic H -field sensors	concentric loops of $1 \mathrm{cm}^2$ arranged at the corner of a cube of $22 \mathrm{mm}$ side length
1 isotropic E -field sensor	orthogonal dipole/monopole (arm length: $50\mathrm{mm}$)
Measurement center	18.5 mm from the probe tip
Temperature range	0–40 °C
Dimensions	$110 \times 635 \times 35 \mathrm{mm}$ (MAGPy-8H3D+E3D V2 & MAGPy-DAS V2)
H-FIELD SPECIFICATION	
Frequency range	$3\mathrm{kHz}$ – $10\mathrm{MHz}$
Measurement range	$0.13200\mathrm{A/m},0.12\mu\mathrm{T}4\mathrm{mT}$
Gradient range	$0-80\mathrm{T/m/T}$
E-field specification	
Frequency range	$3\mathrm{kHz}$ – $10\mathrm{MHz}$
Measurement range	$0.08-2000\mathrm{V/m}$

7 Compliance Location: Center vs Tip-Surface of the Probe

The following information is from the equipment manual:

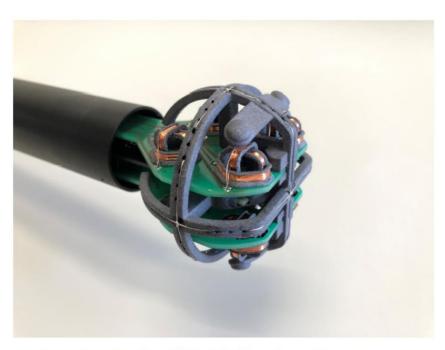


Figure 2.1: MAGPy-8H3D+E3D V2 probe, without the casing

In the MAGPy V2.0 implementation, the H-field is evaluated at the center of the probe (which is 18.5mm above the surface of its tip) and also at the surface of its tip.

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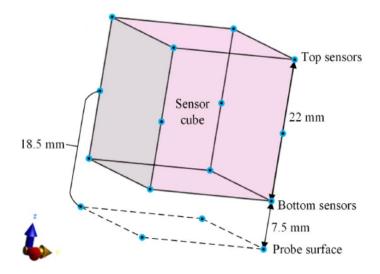


Figure 2.5: Extrapolation of the total H-field at the probe surface is made at each pair of sensors (i.e., bottom and top sensors) around the sensor cube

The total H-field at the tip-surface $H_{tip-surface}$ can be extrapolated using the total H-field measured at the top and bottom sensors (Figure 2.5), H_{top} and H_{bottom} , as well as the normalized H-field gradient G_n . The field extrapolation formula is a polynomial function of G_n ($\Delta d = 18.5 \,\mathrm{mm}$) [7].

 $H_{tip-surface} = \frac{H_{bottom} + H_{top}}{2} \sum_{i=0}^{7} c_i (G_n \Delta d)^i$ (1.6)

Report No.: AITSZ24031203IW1

The polynomial coefficients c_i are given in Table 2.2. They have been determined from simulations of 70 coils covering normalized gradients up to 80 for the 97.5th percentile (Figure 2.6). This provides a conservative estimate of the total H-field at the tip-surface without large overestimation.

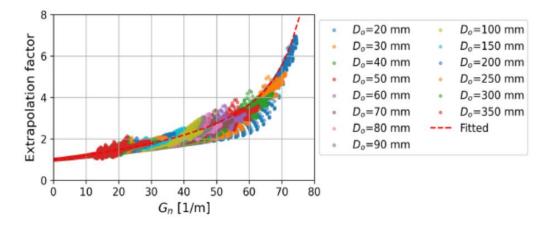


Figure 2.6: Extrapolation factors (i.e., ratios between the simulated results of $H_{tip-surface}$ and $\frac{H_{bottom}+H_{top}}{2}$) plotted as a function of the normalized H-field gradient. The data are from simulations of 70 coils with varying outer diameters D_o and filling ratios (0.1–0.9). The predication of the polynomial function $\sum_{i=0}^{7} c_i \left(G_n \Delta d\right)^i$ with coefficients fitted for 97.5th percentile (i.e., the red dashed line) is also shown.

Coefficient	Value
c_0	1.00
c_1	1.00
C2	-1.01
C3	15.9
C4	-50.8
C5	74.7
c6	-51.4
C7	13.7

Table 2.2: Coefficients of the polynomial function for the H-field extrapolation to the tip-surface of the probe, determined with 0.975 quantile regression (i.e., the 97.5th percentile)



8 Test Result

MPE						
Test distance	Battery levels	Probe from EUT Side	E-field (V/m)	H-field (A/m)		
0cm	< 1%	Тор	13.61	1.34		
0cm	< 1%	Bottom	13.68	1.33		
0cm	< 1%	Left	13.69	1.38		
0cm	< 1%	Right	13.79	1.41		
0cm	< 1%	Front	13.72	1.33		
0cm	< 1%	Rear	13.78	1.35		
	614	1.63				
	2.25%	86.50%				

MPE						
Test distance	Battery levels Probe from EUT Side		E-field (V/m)	H-field (A/m)		
0cm	< 50%	Тор	13.57	1.26		
0cm	< 50%	Bottom	13.66	1.34		
0cm	< 50%	Left	13.72	1.31		
0cm	< 50%	Right	13.79	1.28		
0cm	< 50%	Front	13.73	1.30		
0cm	< 50%	Rear	13.96	1.23		
	614	1.63				
	Margin Limit (%)					

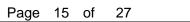
MPE				
Test	Battery levels	Probe from EUT Side	E-field	H-field
distance	Dattery levele	Trope from Eer Glas	(V/m)	(A/m)
0cm	< 99%	Тор	13.57	1.24
0cm	< 99%	Bottom	13.67	1.27
0cm	< 99%	Left	13.84	1.27
0cm	< 99%	Right	13.78	1.20
0cm	< 99%	Front	13.82	1.28
0cm	< 99%	Rear	13.85	1.31
Limit			614	1.63
	Margin Lim	nit (%)	2.26%	80.37%



MPE					
Test distance	Battery levels	Probe from EUT Side	E-field (V/m)	H-field (A/m)	
2cm	< 1%	Тор	13.11	1.25	
2cm	< 1%	Bottom	13.18	1.33	
2cm	< 1%	Left	13.25	1.25	
2cm	< 1%	Right	13.21	1.30	
2cm	< 1%	Front	13.26	1.30	
2cm	< 1%	Rear	13.15	1.14	
Limit			614	1.63	
	Margin Lim	nit (%)	2.16%	81.60%	

MPE				
Test distance	Battery levels	Probe from EUT Side	E-field (V/m)	H-field (A/m)
2cm	< 50%	Тор	13.24	1.23
2cm	< 50%	Bottom	13.30	1.28
2cm	< 50%	Left	13.29	1.36
2cm	< 50%	Right	13.29	1.23
2cm	< 50%	Front	13.29	1.18
2cm	< 50%	Rear	13.26	1.30
Limit			614	1.63
	Margin Lim	nit (%)	2.17%	83.44%

MPE				
Test	Pottony lovolo	Probe from EUT Side	E-field	H-field
distance	Battery levels	Probe from EUT Side	(V/m)	(A/m)
2cm	< 99%	Тор	13.25	1.33
2cm	< 99%	Bottom	13.31	1.28
2cm	< 99%	Left	13.31	1.31
2cm	< 99%	Right	13.46	1.08
2cm	< 99%	Front	13.25	1.31
2cm	< 99%	Rear	13.22	1.30
Limit			614	1.63
	Margin Lim	nit (%)	2.19%	81.60%





MPE				
Test distance	Battery levels	Probe from EUT Side	E-field (V/m)	H-field (A/m)
4cm	< 1%	Тор	12.95	1.13
4cm	< 1%	Bottom	12.98	1.11
4cm	< 1%	Left	12.83	1.11
4cm	< 1%	Right	12.76	1.08
4cm	< 1%	Front	12.90	1.12
4cm	< 1%	Rear	12.88	1.22
Limit			614	1.63
	Margin Lim	nit (%)	2.11%	74.85%

MPE				
Test distance	Battery levels	Probe from EUT Side	E-field (V/m)	H-field (A/m)
4cm	< 50%	Тор	13.12	1.15
4cm	< 50%	Bottom	13.05	1.06
4cm	< 50%	Left	12.90	1.21
4cm	< 50%	Right	12.64	1.20
4cm	< 50%	Front	12.91	1.03
4cm	< 50%	Rear	12.82	1.30
Limit			614	1.63
	Margin Lim	nit (%)	2.14%	79.75%

MPE				
Test	Rattory lovels	Probe from EUT Side	E-field	H-field
distance	Battery levels	Probe from EUT Side	(V/m)	(A/m)
4cm	< 99%	Тор	13.12	1.20
4cm	< 99%	Bottom	13.08	1.15
4cm	< 99%	Left	13.00	1.17
4cm	< 99%	Right	12.67	1.06
4cm	< 99%	Front	13.05	1.14
4cm	< 99%	Rear	12.70	1.22
Limit			614	1.63
	Margin Lim	nit (%)	2.14%	74.85%



MPE				
Test distance	Battery levels	Probe from EUT Side	E-field (V/m)	H-field (A/m)
6cm	< 1%	Тор	12.82	1.07
6cm	< 1%	Bottom	12.90	1.09
6cm	< 1%	Left	12.82	1.09
6cm	< 1%	Right	12.74	1.07
6cm	< 1%	Front	12.63	1.02
6cm	6cm < 1% Rear			
Limit			614	1.63
	Margin Limit (%)			66.87%

MPE				
Test distance	Battery levels	Probe from EUT Side	E-field (V/m)	H-field (A/m)
6cm	< 50%	Тор	12.76	1.07
6cm	< 50%	Bottom	12.84	1.09
6cm	< 50%	Left	12.91	0.91
6cm	< 50%	Right	12.65	1.20
6cm	< 50%	Front	12.60	0.88
6cm	< 50%	Rear	12.54	0.98
Limit			614	1.63
	Margin Lim	nit (%)	2.10%	73.62%

MPE				
Test distance	Battery levels	Probe from EUT Side	E-field (V/m)	H-field (A/m)
6cm	< 99%	Тор	12.76	1.08
6cm	< 99%	Bottom	12.86	1.15
6cm	< 99%	Left	13.10	1.02
6cm	< 99%	Right	12.72	1.16
6cm	< 99%	Front	12.58	0.91
6cm	< 99%	Rear	12.54	1.11
Limit			614	1.63
	Margin Lim	nit (%)	2.13%	71.17%



MPE					
Test distance	Battery levels	Probe from EUT Side	E-field (V/m)	H-field (A/m)	
8cm	< 1%	Тор	12.70	0.95	
8cm	< 1%	Bottom	12.70	0.98	
8cm	< 1%	Left	12.62	0.99	
8cm	< 1%	Right	12.59	0.94	
8cm	< 1%	Front	12.69	0.99	
8cm	< 1%	Rear	12.64	1.03	
Limit			614	1.63	
Margin Limit (%)			2.07%	63.19%	

Page 17 of 27

MPE				
Test distance	Battery levels	Probe from EUT Side	E-field (V/m)	H-field (A/m)
8cm	< 50%	Тор	12.74	0.98
8cm	< 50%	Bottom	12.86	0.91
8cm	< 50%	Left	12.65	1.05
8cm	< 50%	Right	12.46	1.01
8cm	< 50%	Front	12.78	1.10
8cm	< 50%	Rear	12.66	0.90
Limit			614	1.63
	Margin Lim	nit (%)	2.09%	67.48%

MPE				
Test	Pottony lovolo	Probe from EUT Side	E-field	H-field
distance	Battery levels	Probe from EUT Side	(V/m)	(A/m)
8cm	< 99%	Тор	12.75	0.96
8cm	< 99%	Bottom	12.91	0.92
8cm	< 99%	Left	12.65	1.01
8cm	< 99%	Right	12.50	1.06
8cm	< 99%	Front	12.70	1.01
8cm	< 99%	Rear	12.62	0.82
Limit			614	1.63
	Margin Lim	nit (%)	2.10%	65.03%



MPE				
Test	Battery levels	Probe from EUT Side	E-field	H-field
distance	Dattery levels	1 TODE HOIT LOT OIGE	(V/m)	(A/m)
10cm	< 1%	Тор	12.48	0.84
10cm	< 1%	Bottom	12.48	0.90
10cm	< 1%	Left	12.42	0.90
10cm	< 1%	Right	12.54	0.82
10cm	< 1%	Front	12.53	0.78
10cm	< 1%	Rear	12.49	0.75
Limit			614	1.63
	Margin Limit (%)			55.21%

Page 18 of 27

MPE				
Test	Battery levels	Probe from EUT Side	E-field	H-field
distance	Dattery levels	Probe nom Eur Side	(V/m)	(A/m)
10cm	< 50%	Тор	12.36	0.91
10cm	< 50%	Bottom	12.42	1.07
10cm	< 50%	Left	12.52	0.79
10cm	< 50%	Right	12.52	0.78
10cm	< 50%	Front	12.46	0.78
10cm	< 50%	Rear	12.46	0.71
Limit			614	1.63
	Margin Lim	nit (%)	2.04%	65.64%

MPE				
Test distance	Battery levels	Probe from EUT Side	E-field (V/m)	H-field (A/m)
10cm	< 99%	Тор	12.50	0.97
10cm	< 99%	Bottom	12.57	0.91
10cm	< 99%	Left	12.60	0.84
10cm	< 99%	Right	12.46	0.68
10cm	< 99%	Front	12.44	0.83
10cm	< 99%	Rear	12.42	0.62
Limit			614	1.63
	Margin Lim	nit (%)	2.05%	59.51%





	MPE				
Test	Battery levels	Probe from EUT Side	E-field	H-field	
distance	,		(V/m)	(A/m)	
12cm	< 1%	Тор	12.31	0.71	
12cm	< 1%	Bottom	12.16	0.72	
12cm	< 1%	Left	12.01	0.64	
12cm	< 1%	Right	11.96	0.58	
12cm	< 1%	Front	12.07	0.61	
12cm	< 1%	Rear	12.03	0.58	
Limit			614	1.63	
	Margin Limit (%)			44.17%	

MPE				
Test	Battery levels	Probe from EUT Side	E-field	H-field
distance		_	(V/m)	(A/m)
12cm	< 50%	Тор	12.40	0.63
12cm	< 50%	Bottom	12.23	0.73
12cm	< 50%	Left	11.92	0.73
12cm	< 50%	Right	11.98	0.65
12cm	< 50%	Front	12.18	0.64
12cm	< 50%	Rear	12.00	0.55
Limit			614	1.63
	Margin Limit (%)			44.79%

MPE				
Test distance	Battery levels	Probe from EUT Side	E-field (V/m)	H-field (A/m)
12cm	< 99%	Тор	12.50	0.59
12cm	< 99%	Bottom	12.24	0.61
12cm	< 99%	Left	11.89	0.56
12cm	< 99%	Right	12.01	0.76
12cm	< 99%	Front	12.22	0.81
12cm	< 99%	Rear	11.91	0.60
Limit			614	1.63
	Margin Lim	nit (%)	2.04%	49.69%



	MPE				
Test	Battery levels	Probe from EUT Side	E-field	H-field	
distance	Battery levels	1 TODE HOIT LOT OIGE	(V/m)	(A/m)	
14cm	< 1%	Тор	12.17	0.62	
14cm	< 1%	Bottom	12.03	0.64	
14cm	< 1%	Left	12.00	0.60	
14cm	< 1%	Right	11.99	0.60	
14cm	< 1%	Front	12.01	0.63	
14cm	< 1%	Rear	11.99	0.64	
Limit			614	1.63	
	Margin Lim	nit (%)	1.98%	39.26%	

MPE				
Test	Battery levels	Probe from EUT Side	E-field	H-field
distance	Dattery levels	1 Tobe Holli Lot Side	(V/m)	(A/m)
14cm	< 50%	Тор	12.21	0.66
14cm	< 50%	Bottom	12.05	0.65
14cm	< 50%	Left	12.07	0.74
14cm	< 50%	Right	11.90	0.52
14cm	< 50%	Front	11.89	0.60
14cm	< 50%	Rear	11.99	0.55
Limit			614	1.63
	Margin Lim	nit (%)	1.99%	45.40%

MPE				
Test	Pottony lovolo	Probe from EUT Side	E-field	H-field
distance	Battery levels	Probe from EUT Side	(V/m)	(A/m)
14cm	< 99%	Тор	12.27	0.73
14cm	< 99%	Bottom	12.05	0.71
14cm	< 99%	Left	11.93	0.74
14cm	< 99%	Right	12.01	0.54
14cm	< 99%	Front	12.04	0.52
14cm	< 99%	Rear	11.98	0.52
Limit			614	1.63
	Margin Lim	nit (%)	2.00%	45.40%



MPE				
Test	Battery levels	Probe from EUT Side	E-field	H-field
distance	Battery levels	1 TODE HOIT LOT OIGE	(V/m)	(A/m)
16cm	< 1%	Тор	12.03	0.58
16cm	< 1%	Bottom	12.09	0.57
16cm	< 1%	Left	12.10	0.63
16cm	< 1%	Right	11.95	0.60
16cm	< 1%	Front	11.77	0.54
16cm	< 1%	Rear	11.82	0.52
Limit			614	1.63
	Margin Limit (%)			38.65%

MPE				
Test	Battery levels	Probe from EUT Side	E-field	H-field
distance	Dattery levels	Probe nom Eur Side	(V/m)	(A/m)
16cm	< 50%	Тор	11.98	0.54
16cm	< 50%	Bottom	12.09	0.52
16cm	< 50%	Left	12.18	0.73
16cm	< 50%	Right	11.98	0.66
16cm	< 50%	Front	11.81	0.59
16cm	< 50%	Rear	11.78	0.62
Limit			614	1.63
	Margin Lim	nit (%)	1.98%	44.79%

MPE				
Test	Pottony lovolo	Duck a frame FLIT Cide	E-field	H-field
distance	Battery levels	Probe from EUT Side	(V/m)	(A/m)
16cm	< 99%	Тор	12.04	0.61
16cm	< 99%	Bottom	12.02	0.50
16cm	< 99%	Left	12.06	0.57
16cm	< 99%	Right	12.01	0.76
16cm	16cm < 99% Front		11.80	0.54
16cm	11.67	0.68		
Limit			614	1.63
Margin Limit (%)			1.96%	46.63%





MPE				
Test	Battery levels	Probe from EUT Side	E-field	H-field
distance	Dattery levels	1 Tobe Holli Lot Side	(V/m)	(A/m)
18cm	< 1%	Тор	11.90	0.51
18cm	< 1%	Bottom	11.91	0.58
18cm	< 1%	Left	11.98	0.55
18cm	< 1%	Right	11.98	0.52
18cm	18cm < 1% Front		12.01	0.59
18cm	18cm < 1% Rear			
Limit			614	1.63
Margin Limit (%)			1.96%	36.20%

MPE					
Test distance	Battery levels	Probe from EUT Side	E-field (V/m)	H-field (A/m)	
18cm	< 50%	Тор	11.97	0.53	
18cm	< 50%	Bottom	11.91	0.58	
18cm	< 50%	Left	11.98	0.48	
18cm	< 50%	Right	12.10	0.48	
18cm	< 50%	Front	12.08	0.58	
18cm	18cm < 50% Rear				
Limit			614	1.63	
Margin Limit (%)			1.97%	35.58%	

MPE				
Test	Dattamulavala Draha franc FUT Cida		E-field	H-field
distance	Battery levels	Probe from EUT Side	(V/m)	(A/m)
18cm	< 99%	Тор	11.97	0.46
18cm	< 99%	Bottom	12.01	0.59
18cm	< 99%	Left	12.04	0.49
18cm	< 99%	Right	12.03	0.36
18cm	< 99%	Front	12.03	0.63
18cm	18cm < 99% Rear			
Limit			614	1.63
Margin Limit (%)			1.96%	38.65%



MPE					
Test	Battery levels	Probe from EUT Side	E-field	H-field	
distance	Battery levels	1 TODE HOIT LOT OIGE	(V/m)	(A/m)	
20cm	< 1%	Тор	11.25	0.41	
20cm	< 1%	Bottom	11.23	0.48	
20cm	< 1%	Left	11.21	0.50	
20cm	< 1%	Right	11.15	0.50	
20cm	20cm < 1% Front		11.17	0.52	
20cm	20cm < 1% Rear				
Limit			614	1.63	
Margin Limit (%)			1.83%	33.74%	

MPE					
Test	Pattory lovels	Probe from EUT Side	E-field	H-field	
distance	Battery levels	Probe nom Eur Side	(V/m)	(A/m)	
20cm	< 50%	Тор	11.17	0.36	
20cm	< 50%	Bottom	11.27	0.57	
20cm	< 50%	Left	11.31	0.54	
20cm	< 50%	Right	11.17	0.57	
20cm	20cm < 50% Front		11.18	0.47	
20cm	20cm < 50% Rear				
Limit			614	1.63	
Margin Limit (%)			1.84%	34.97%	

MPE				
Test	Dattom Lovels Drobe from FLIT Cide		E-field	H-field
distance	Battery levels	Probe from EUT Side	(V/m)	(A/m)
20cm	< 99%	Тор	11.06	0.37
20cm	< 99%	Bottom	11.26	0.45
20cm	< 99%	Left	11.27	0.57
20cm	< 99%	Right	11.22	0.53
20cm	20cm < 99% Front		11.27	0.47
20cm	< 99%	11.25	0.50	
Limit			614	1.63
Margin Limit (%)			1.84%	34.97%



E-field (V/m):

According to the following table, when we backward derivation 0cm, it should be 13.56(V/m), with a deviation from the actual test value of 2.89%.

Report No.: AITSZ24031203IW1

E-field (V/m)						
0cm 2cm 4cm 6cm						
13.96 13.26 12.82 12.54						

Note:

- 1. Estimated value (0cm) / Measured value(4cm) = Measured value(2cm) / Measured value(6cm)
- 2. Deviation = [Measured value(0cm) Estimated value (0cm)] / Measured value(0cm)
- 3. Estimated value (0cm) = 13.26*12.82/12.54 = 13.56(V/m)
- 4. Deviation = (13.96-13.56)/13.96 = 2.89%

H-field (A/m):

According to the following table, when we backward derivation 0cm, it should be 1.31 (A/m), with a deviation from the actual test value of 6.94%.

H-field (A/m)						
0cm 2cm 4cm 6cm						
1.41 1.3 1.08 1.07						

Note:

- 1. Estimated value (0cm) / Measured value(4cm) = Measured value(2cm) / Measured value(6cm)
- 2. Deviation = [Measured value(0cm) Estimated value (0cm)] / Measured value(0cm)
- 3. Estimated value (0cm) = 1.3*1.08/1.07 = 1.31(A/m)
- 4. Deviation = (1.31-1.41)/1.31 = 6.94%



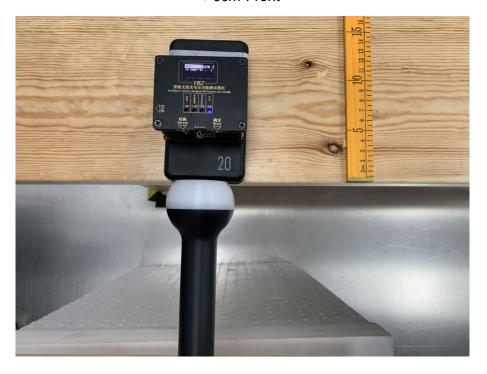
9 Test Setup photo



Report No.: AITSZ24031203IW1



0cm-Front

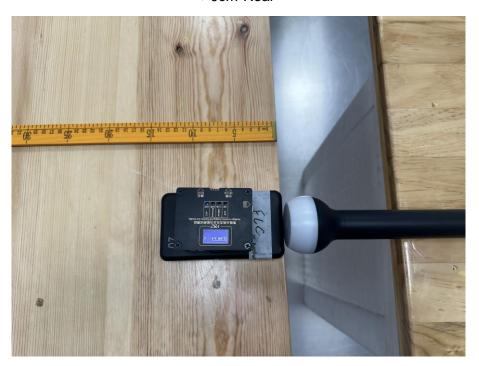




0cm-Left



0cm-Rear







0cm-Right



0cm-Top



End of report