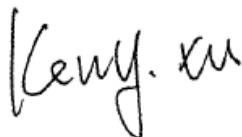


Human Exposure Report

Application No.: SZCR2604001365AT
Applicant: Ugreen Group Limited
Address of Applicant: UGREEN Building, Longcheng Industrial Park Longguanxi Road, Longhua, ShenZhen, 518000 China
Manufacturer: Ugreen Group Limited
Address of Manufacturer: UGREEN Building, Longcheng Industrial Park Longguanxi Road, Longhua, ShenZhen, 518000 China
Factory: Please refer to section 3
Address of Factory: Please refer to section 3
Equipment Under Test (EUT):
EUT Name: Wireless Power Bank
Model No.: PB567
P/N Code: 55450, 55450P, 55450X, 55450A, 55450B, 55450U, 55450JP
Trade Mark: UGREEN
FCC ID: 2AQI5-PB567D
Standard(s) : 47 CFR PART 1, Subpart I, Section 1.1310
 47 CFR PART 2, Subpart J, Section 2.1091
 KDB 680106 D01 Wireless Power Transfer v04
Date of Receipt: 2026-04-02
Date of Test: 2026-04-16 to 2026-06-13
Date of Issue: 2026-06-13

Test Result :	Pass*
----------------------	--------------

* In the configuration tested, the EUT complied with the standards specified above.



Keny Xu
EMC Laboratory Manager



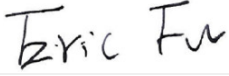
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Shenzhen Branch EMC Laboratory

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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2026-06-13		Original

Authorized for issue by:				
				
		Ryan Yang/Project Engineer		
				
		Eric Fu/Reviewer		



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2 General Information

2.1 Details of E.U.T.

Power supply:	Cell Capacity: 10000mAh (Two Cells in Series) Rated Energy: Polymer Lithium-ion Battery Rated Energy: 74Wh (7.4V) Rated Capacity: 13000mAh (TYP 5V 3A) USB-C Port (IN 1)/USB-C Cable (IN 2) Input: 5V=3A, 9V=3A, 12V=2.5A, 15V=2A USB-C Port (OUT 1)/USB-C Cable (OUT 2) Output: 10V=2.25A, 5V=3A, 9V=3A, 12V=2.5A, 15V=2A USB-A (OUT3) Output: 10V=2.25A, 5V=3A, 9V=2A, 12V=1.5A Wireless Charging Output Power: BPP 5W, PPDE 10W, 7.5W, MPP15W Max. Total Output:5V=2A+5W
Antenna Type:	Loop Antenna
Modulation Type:	Load Modulation
Coil Turns(Phone):	11
Coil Overall Dimensions(Phone):	39.9±1mm*20.5±0.8mm
Operation Frequency:	356.70 - 369.60kHz (MPP mode), 114.60 - 147.20kHz (Non MPP mode)
Duty Cycle:	100%

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.



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SZEMC-TRF-01 Rev. A/2

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Factory:

1. Shenzhen Firststar Battery Co., Limited
2. SHENZHEN JOWAY POWER SUPPLY CO.,LTD.
3. Dongguan ARUN Industrial Co.,Ltd.
4. Shenzhen HKC Technology Co., LTD.
5. Dongguan CharmFox Electronics Co., Ltd.
6. Dongguan DBK Energy Technology Co., Ltd.
7. Guangdong Beston Digital Power Technology Co., Ltd

Address of Factory:

1. Building 3 and Building 5, Jinxiu Industrial Park, Xitian Community, Gongming Sub-district, Guangming District, Shenzhen City
2. Floor 1-5,Workshop 10/11,Antuoshan High-tech Industrial Park,Shaler Community,ShajingSub-district,Bao'an District,Shenzhen City,Guangdong
3. No.13,Xinfeng Street,Changlong , Huangjiang Town, Dongguan City, Guangdong Province, P.R. China
4. No.28, Shahu Road, Tangxia Town, Dongguan Guangdong, China
5. Room 301, No. 2, Gongye North 2 road, Songshan Lake Zone, DongGuan, GuangDong, China
6. No. 1, Chang Da Road, Qingxi Town, Dongguan, Guangdong,P.R.China
7. No.38,Weixi Rd,Dalingshan Town,Dongguan,523850,Guangdong, P.R China



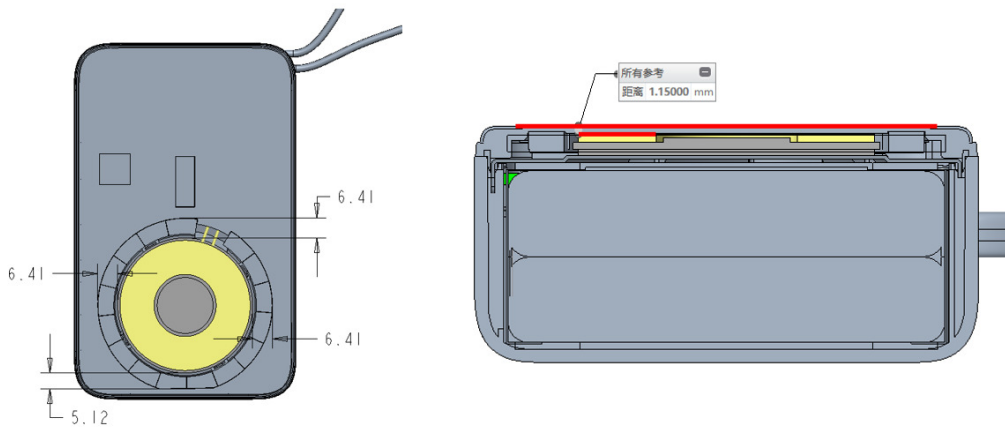
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2.1.1 The Distance From The Antenna To Each Surface Of the Product Casing. Coil (Phone)



2.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Adapter(5V3A/9V3A/12V5A/15V5A/20V5A Max 100W Max)	HONOR	HN-200500CP0	REF. No.SEA05R03H
E-loading(5W/7.5W/15W/25W adjustable)	Provided by the manufacturer	N/A	N/A
Airpods(5W)	Apple	Airpods 2	REF. No.SEA05B06D
Mobile Phone (For 5W)	Nexus	MRA58K	REF. No.SEA16P00
iPhone 8(For 7.5W)	Apple	A1863	REF. No.SEA16J00
iPhone 15Pro(For 15W)	Apple	A3104	REF. No.SEA16Q02



2.3 Test Location

All tests were performed at:
 SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch
 No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China. 518057.
 Tel: +86 755 2601 2053 Fax: +86 755 2671 0594
 No tests were sub-contracted.

2.4 Test Facility

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

• A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

• VCCI (Member No. 1937)

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen EMC laboratory have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

• FCC –Designation Number: CN1336

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1336. Test Firm Registration Number: 787754.

• Innovation, Science and Economic Development Canada

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

2.5 Deviation from Standards

None.

2.6 Abnormalities from Standard Conditions

None.



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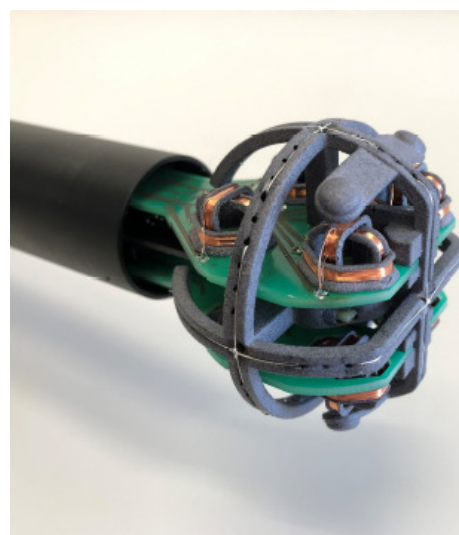
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3 Equipments Used during Test

Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Due date
1	Fully-Anechoic Chamber 2	Chang Zhou Zhong Shuo	854	SEM001-05	2026-06-18
2	MAGPy-8H3D+E3D	SPEAG	MAGPy	SEM060-31	2027-03-15
3	MAGPy-DAS	SPEAG	MAGPy	SEM060-32	2027-03-15
4	Spectrum Analyzer	Rohde & Schwarz	FSP30	SEM004-06	2026-09-15

Probe parameter:

Parameter	Specs
PROBE DESIGN	
Diameter	60 mm
8 isotropic <i>H</i> -field sensors	concentric loops of 1 cm ² arranged at the corner of a cube of 22 mm side length
1 isotropic <i>E</i> -field sensor	orthogonal dipole/monopole (arm length: 50 mm)
Measurement center	18.5 mm from the probe tip
Temperature range	0-40 °C
Dimensions	110 × 635 × 35 mm (MAGPy-8H3D+E3D V2 & MAGPy-DAS V2)
H-FIELD SPECIFICATION	
Frequency range	3 kHz-10 MHz
Measurement range	0.1-3200 A/m, 0.12 μT-4 mT
Gradient range	0-80 T/m/T
E-FIELD SPECIFICATION	
Frequency range	3 kHz-10 MHz
Measurement range	0.08-2000 V/m



4 Test Mode Description

Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	00	Operation(Wireless):Keep the EUT pairing with devices(Wireless Output: 5W).
Pre-scan	01	Operation(Wireless):Keep the EUT pairing with devices(Wireless Output: 7.5W).
Final test	02	Operation(Wireless):Keep the EUT pairing with devices(Wireless Output: 10W).
Final test	03	Operation(Wireless):Keep the EUT pairing with devices(Wireless Output: 15W).
Pre-scan	04	Idle mode

Note:

Testing procedures for device charging mode and idle mode are identical, with only the test load power adjusted accordingly. The measured data represents the worst-case operating condition of the EUT paired with a mobile phone, where the mobile phone battery level is below 10%.



5 Test Results

5.1 RF Exposure Test

Test Requirement: 47 CFR PART 1, Subpart I, Section 1.1310

Test Engineer: Roger Chen

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
 *=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 for 150KHz:614V/m,1.63A/m).

5.1.1 Test Procedure

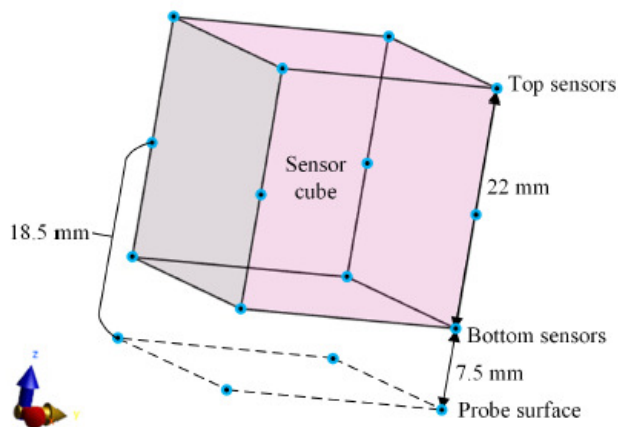
During the test, the probe scanning a parallel plane at the measurement distance on each side of the device to find the peak level.

The measured data represents the worst-case operating condition of the EUT paired with a mobile phone, where the mobile phone battery level is below 10%.

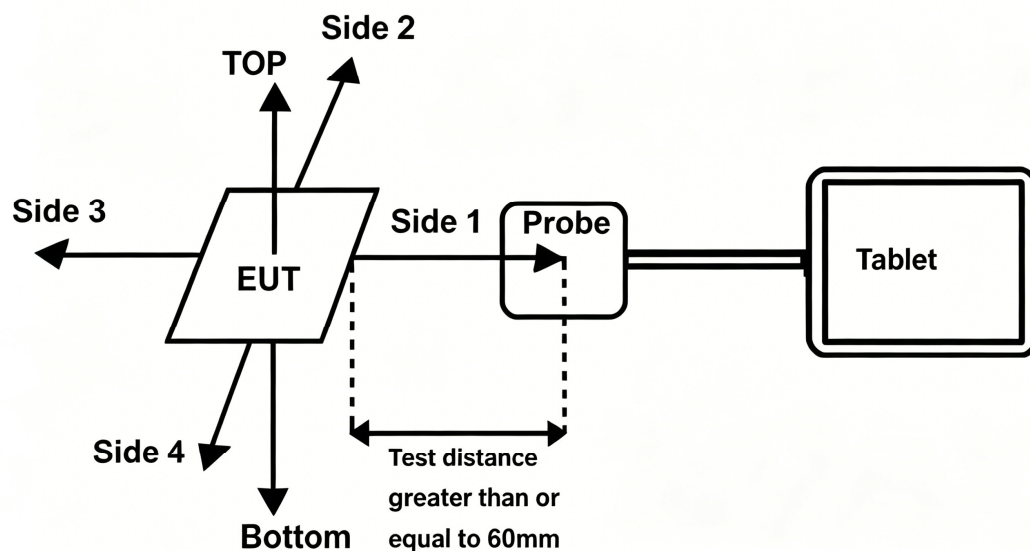
It has been proved by many tests, when the WPT client is removed from the wireless charger, the magnetic field emissions will increase immediately, the electric field emissions will decrease immediately, and the operation frequency will change. The test data also include the magnetic field emissions in this case.

When testing H-Field and E-Field at 60cm, the compliance location in MAGPy shall be set to probe center. Compared to $d_{meas} \geq 1.7D_p$, referring to the probe information in Section 3 of the report, this test distance meets the requirements.

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



5.1.2 Test Block Diagram

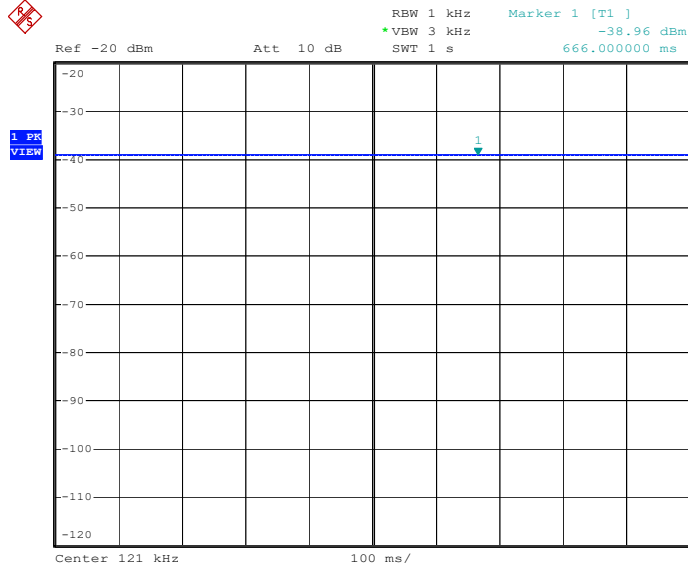


1. These initial measurements are made at $Z = 60$ mm from the surface of the XY plane.

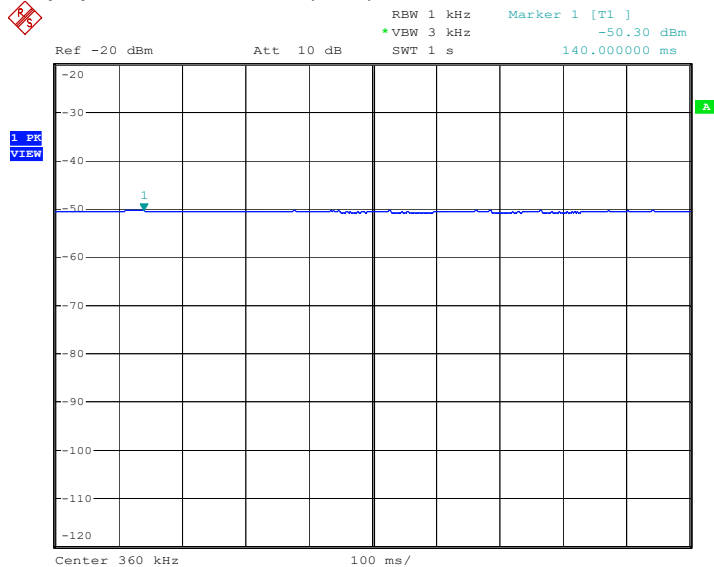


Measurement Data

Duty cycle 100%: Mode 02(10W)



Duty cycle 100%: Mode 03(15W)



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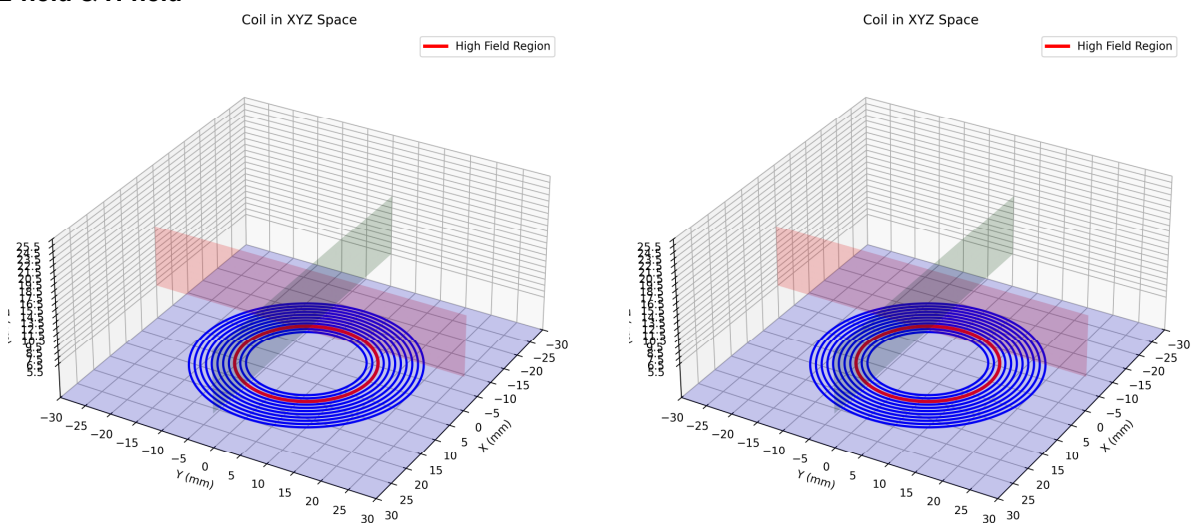
6 Curve fitting

6.1 Identify the MFS

The surface of the coil is defined as the X and Y surfaces, Vertical to the surface of the coil is defined as the Z plane, and a measurement grid of 5mm * 5mm is established. Use the MAGPy probe to test the E-field and H-field on the XY, XZ, and YZ surfaces, respectively. Finally, it was found that the E/H-field value of the third coil for phone on the XY surface was the highest.

The 3D simulation diagram is as follows:

E-field & H-field



6.2 Use charging mode test to confirm the surface with the worst test results

6.2.1 At a distance of 60 mm from the probe to the EUT, scanning is performed on five surfaces of the EUT. After testing, It was observed that the smartphone's battery level stood at 10% upon detection, the electric field value measured on top is the highest. Therefore, curve fitting test is conducted on the worst top.

6.3 Fitting analysis

The purpose of this part is to compare the fitting performance of different mathematical models on the given data. We will attempt to fit a set of experimental data using eighth degree polynomial, seventh degree polynomial, Sixth degree polynomial, Fifth degree polynomial, Fourth degree polynomial, Cubic polynomial, and determine the model that best describes the data by comparing the goodness of fit of each model and the fitting function parameters.

6.4 Model Selection and Fitting

The calculation formula of the polynomial model is as follows:

- 1) Quadratic polynomial model: $y = ax^2 + bx^1 + c$
- 2) Cubic polynomial model: $y = ax^3 + bx^2 + cx^1 + d$
- 3) Quartic polynomial model: $y = ax^4 + bx^3 + cx^2 + dx + e$
- 4) Quintic polynomial model: $y = ax^5 + bx^4 + cx^3 + dx^2 + ex + f$
- 5) Sextic polynomial model: $y = ax^6 + bx^5 + cx^4 + dx^3 + ex^2 + fx + g$
- 6) Septic polynomial model: $y = ax^7 + bx^6 + cx^5 + dx^4 + ex^3 + fx^2 + gx + h$
- 7) Octic polynomial model: $y = ax^8 + bx^7 + cx^6 + dx^5 + ex^4 + fx^3 + gx^2 + hx + i$

Fitting Results and Analysis

Based on the computational results, we obtained the fitting functions and associated parameters for each model. Additionally, we generated comparison plots showing the fitting curves of all models alongside the original data, as well as separate comparison plots for each model showing the fitting curves and data, which can be seen from figure 1 to figure 3



122kHz, Mode 02 (10W)

Test Distance (mm)	E-field(V/m) EUT +mobile phone (battery status: <10%)	H-field(A/m) EUT +mobile phone (battery status: <10%)
60	8.96	0.20
70	7.02	0.16
80	5.19	0.13
90	4.12	0.11
100	3.37	0.09
110	2.27	0.07
120	2.10	0.05
130	1.73	0.04
140	1.51	0.03
150	1.27	0.02
160	0.83	0.02
170	0.75	0.02
180	0.33	0.02
190	0.14	0.03
200	0.09	0.03

Model Selection

We use three regression techniques to validate their model errors.



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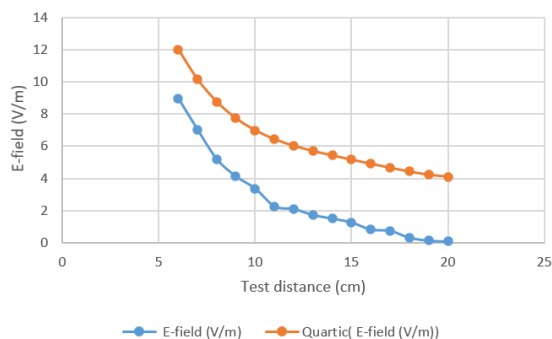
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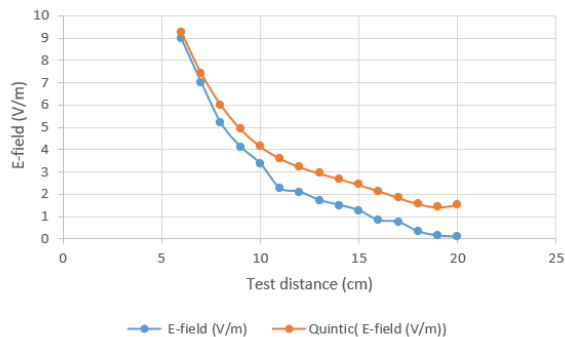
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E-field

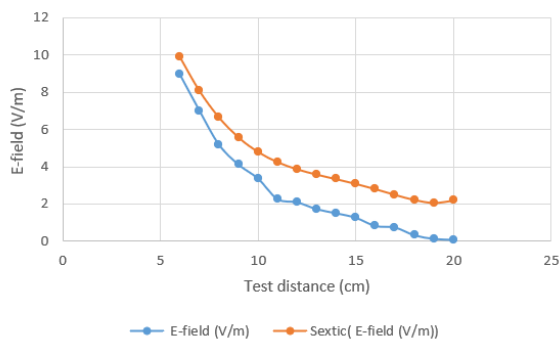
Model 1: Quartic egression



Model 2: Quintic egression

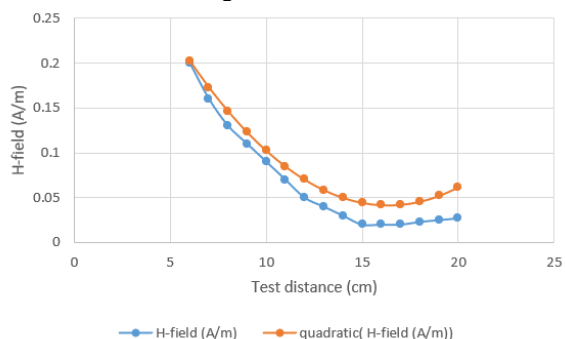


Model 3: Sextic Regression

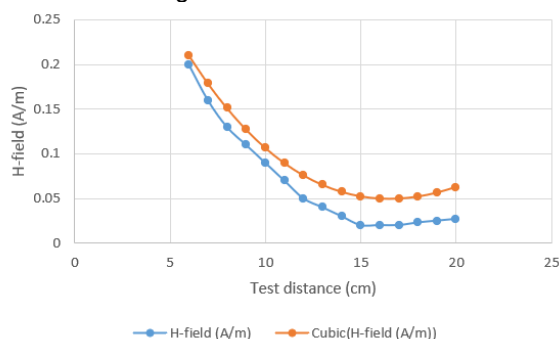


H-field

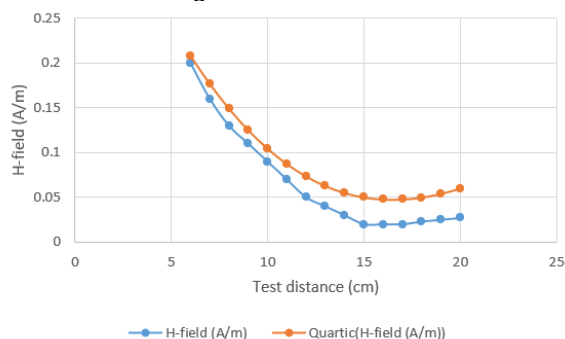
Model 1: Quadratic egression



Model 2: Cubic egression



Model 3: Quartic egression



Analyzing Results

After completing the 3 regression models, we compared the output of each model, as is shown in table below:

Comparison of the data from the 3 regression models

E-field			
Parameter	Polynomial Model		
	Quartic	Quintic	Sextic
Multiple R	0.999026	0.999195855	0.999196454
R Square	0.998053	0.998392357	0.998393554
Adjusted R Square	0.997274	0.997499222	0.997188719
Standard Error (S)	0.137919	0.132105059	0.140066419
Number of data points used	15	15	15
Estimated magnetic field strength at touch position (V/m)	40.26965	25.995	28.903
Limit(V/m)	614	614	614

H-field			
Parameter	Polynomial Model		
	Quadratic	Cubic	Quartic
Multiple R	0.998521803	0.998955714	0.998959394
R Square	0.997045792	0.997912518	0.997919872
Adjusted R Square	0.996553424	0.997343205	0.997087821
Standard Error (S)	0.003401614	0.002986552	0.003126800
Number of data points used	15	15	15
Estimated magnetic field strength at touch position (V/m)	0.442892461	0.489648597	0.475757721
Limit(A/m)	1.63	1.63	1.63

Note: The regression analysis was performed at a 95% confidence level - the minimum threshold applicants are required to adopt - with curve-fitting techniques applied for model construction and relevant computations.

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360kHz, Mode 03 (15W)

Test Distance (mm)	E-field(V/m) EUT +mobile phone (battery status: <10%)	H-field(A/m) EUT +mobile phone (battery status: <10%)
60	7.980	0.0310
70	6.175	0.0268
80	4.743	0.0226
90	3.562	0.0189
100	2.602	0.0160
110	2.003	0.0132
120	1.583	0.0113
130	1.259	0.0097
140	0.924	0.0084
150	0.751	0.0074
160	0.568	0.0067
170	0.426	0.0067
180	0.304	0.0075
190	0.214	0.0082
200	0.128	0.0096

Model Selection

We use three regression techniques to validate their model errors.



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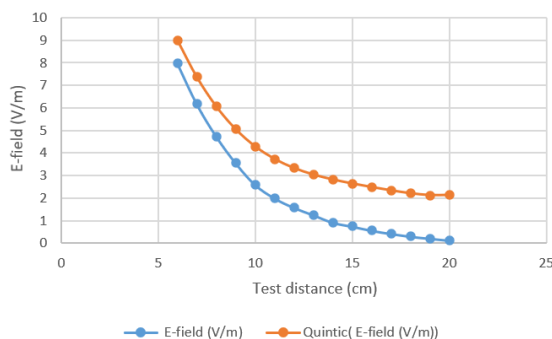
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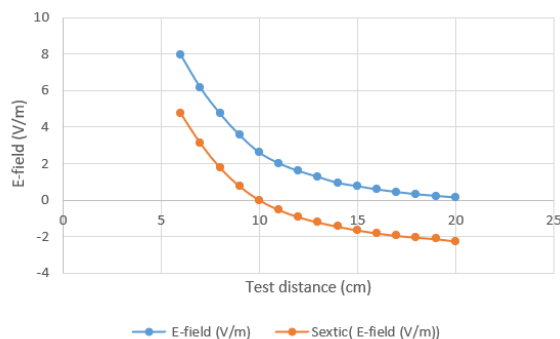
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E-field

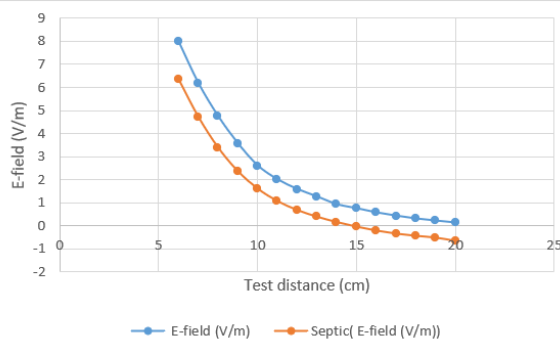
Model 1: Quintic egression



Model 2: Sextic egression

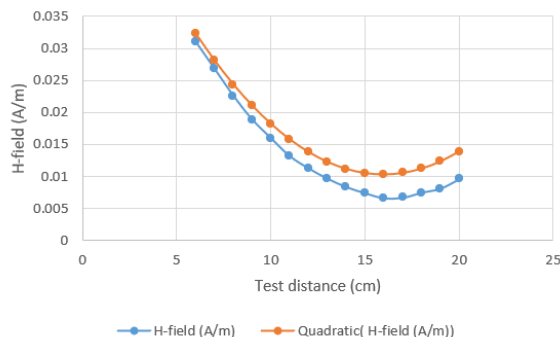


Model 2: Septic Regression

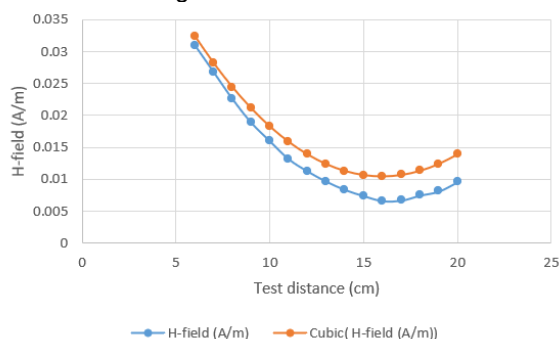


H-field

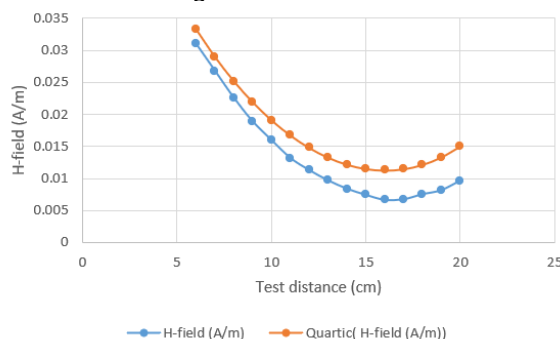
Model 1: Quadratic egression



Model 2: Cubic egression



Model 3: Quartic egression



Analyzing Results

After completing the 3 regression models, we compared the output of each model, as is shown in table below:

Comparison of the data from the 3 regression models

E-field			
Parameter	Polynomial Model		
	Quintic	Sextic	Septic
Multiple R	0.999914	0.999945186	0.999945457
R Square	0.999828	0.999890374	0.999890917
Adjusted R Square	0.999733	0.999808155	0.999781834
Standard Error (S)	0.039178	0.033185345	0.035388691
Number of data points used	15	15	15
Estimated magnetic field strength at touch position (V/m)	26.63556	7.610265	13.9579449
Limit(V/m)	614	614	614

H-field			
Parameter	Polynomial Model		
	Quadratic	Cubic	Quartic
Multiple R	0.999775907	0.999784436	0.999812233
R Square	0.999551864	0.999568919	0.999624501
Adjusted R Square	0.999477174	0.999451351	0.999474302
Standard Error (S)	0.000178727	0.000183088	0.000179217
Number of data points used	15	15	15
Estimated magnetic field strength at touch position (V/m)	0.066564418	0.067449222	0.072601
Limit(A/m)	1.63	1.63	1.63

Note: The regression analysis was performed at a 95% confidence level - the minimum threshold applicants are required to adopt - with curve-fitting techniques applied for model construction and relevant computations.

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Max. E-field and H-field of Test Result

Test Mode	Max. E-field (V/m)	Limit E-field(V/m)	Max. E-field(A/m)	Limit E-field(A/m)
Coil 1_122 kHz	40.270	614	0.490	1.63
Coil 1_360 kHz	26.636	614	0.073	1.63



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7 Test Setup Photos

Refer to Appendix - Test Setup Photo for SZCR2604001365AT.

- End of the Report -

