TEST REPORT

Report Number: 15751843-S1V2

Applicant	:	PANASONIC CORPORATION OF NORTH AMERICA TWO RIVERFRONT PLAZA, NEWARK, NJ 07102-5490
Model	:	AT2501
FCC ID	:	ACJ932AT2501
EUT Description	:	WIRELESS CHARGER
Test Standard(s)	:	FCC 47 CFR §1.1310

Date Of Issue: 2025-05-06

Prepared by:
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ACCREDITED
CERT #0751.05

Revision History

Rev.	Issue Date	Revisions	Revised By
V1	2025-04-22	Initial Issue	---
V2	2025-05-06	Section 2: Corrected Test Standard version Section 8: Updated H-Field Target for 0mm	Coltyce Sanders

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1. ATTESTATION OF TEST RESULTS

Applicant Name	PANASONIC CORPORATION OF NORTH AMERICA
FCC ID	ACJ932AT2501
Model Number	AT2501
Applicable Standards	FCC 47 CFR §1.1310 IEEE C95.1 2019 IEEE C95.3 2021
Exposure Category	SAR Limit - 1g SAR (W/kg)
General population / Uncontrolled exposure	1.6
RF Exposure Conditions	The Highest Measured SAR (W/kg)
SAR, E-Field and H-Field (=at 0 cm test distance)	0.00546
Date Tested	2025-04-08 to 2025-04-15
Test Results	Complies

UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested can demonstrate compliance with the requirements as documented in this report.

The results documented in this report apply only to the tested sample under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to ensure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not considered unless noted otherwise.

This document may not be altered or revised in any way unless done so by UL Verification Services Inc., and all revisions are noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document.

Approved & Released By:	Prepared By:
Coltyce Sanders Staff Laboratory Engineer UL Verification Services Inc.	Remi Rodberg Engineering Technician UL Verification Services Inc.

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC 47 CFR Parts 1.1310c), 2.1091, 2.1093, IEEE Std C95.1-2019, IEEE Std C95.3-2021 and the following FCC Published RF exposure KDB procedures:

- 447498 D01 General RF Exposure Guidance
- 680106 D01 Wireless Power Transfer

In addition to the above, the following information was used:

- SPEAG System Handbook: DASY8 Module WPT
- SPEAG System Handbook: MAGPy
- SPEAG Application Note: DASY 8/6 Modules WPT and SAR - Testing Compliance with FCC KDB 447498/680106 (Revision 2)
- TCB Workshop April 2024; Part 18 Wireless Power Transfer Devices: Clarifications on KDB 680106v04 and ECR Processes

3. FACILITIES AND ACCREDITATION

UL Verification Services Inc. is accredited by A2LA, certification #0751.05, for all testing performed within the scope of this report. Testing was performed at the locations noted below.

	Address	ISED CABID	ISED Company Number	FCC Registration
☐	Building 1: 47173 Benicia Street, Fremont, CA 94538, USA	US0104	2324A	550739
☒	Building 2: 47266 Benicia Street, Fremont, CA 94538, USA			
☐	Building 3: 843 Auburn Court, Fremont, CA 94538, USA			
☐	Building 4: 47658 Kato Rd, Fremont, CA 94538, USA			
☐	Building 5: 47670 Kato Rd, Fremont, CA 94538, USA			

4. DECISION RULES AND MEASUREMENT UNCERTAINTY (RF EXPOSURE)

4.1. METROLOGICAL TRACEABILITY

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, with a maximum time between calibrations of two year or the manufacturers' recommendation, whichever is less, and where applicable is traceable to recognized national standards.

4.2. DECISION RULES

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4:2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

4.3. MEASUREMENT UNCERTAINTY

4.3.1. Incident E-/H-field Measurement Uncertainty

DASY6 Uncertainty Budget for Peak Incident H-field
according to IEC/IEEE 63184

Item	Error Description	Unc. Value (±dB)	Probab. Distr.	Div.	(c_i)	Std. Unc. (±dB)
Measurement system						
1	Amplitude calibration uncertainty	0.35	N	1	1	0.35
2	Probe anisotropy	0.6	R	$\sqrt{3}$	1	0.35
3	Probe dynamic linearity	0.2	R	$\sqrt{3}$	1	0.12
4	Probe frequency domain response	0.3	R	$\sqrt{3}$	1	0.17
5	Probe frequency linear interp. fit	0.15	R	$\sqrt{3}$	1	0.09
6	Spatial averaging	0.1	R	$\sqrt{3}$	1	0.06
7	Parasitic E-field sensitivity	0.1	R	$\sqrt{3}$	1	0.06
8	Detection limit	0.15	R	$\sqrt{3}$	1	0.09
9	Readout electronics	0	N	1	1	0
10	Probe positioning	0.19	N	1	1	0.19
11	Repeatability	0.1	N	1	1	0.10
12	Surface field reconstruction	0.3	N	1	1	0.3
Combined uncertainty ($k = 1$)						0.67
Expanded uncertainty ($k = 2$)						**1.33 (16.6%)**

DASY6 Uncertainty Budget for Incident E-field
according to IEC/IEEE 63184

Item	Error Description	Unc. Value (±dB)	Probab. Distr.	Div.	(c_i)	Std. Unc. (±dB)
Measurement system						
1	Amplitude calibration uncertainty	0.53	N	1	1	0.53
2	Probe anisotropy	0.8	R	$\sqrt{3}$	1	0.46
3	Probe dynamic linearity	1	R	$\sqrt{3}$	1	0.58
4	Probe frequency domain response	0.3	R	$\sqrt{3}$	1	0.17
5	Probe frequency linear interp. fit	0.15	R	$\sqrt{3}$	1	0.09
6	Parasitic H-field sensitivity	0.2	R	$\sqrt{3}$	1	0.12
7	Detection limit	0.15	R	$\sqrt{3}$	1	0.09
8	Readout electronics	0	N	1	1	0
9	Repeatability	0.1	N	1	1	0.10
Combined uncertainty ($k = 1$)						0.95
Expanded uncertainty ($k = 2$)						**1.89 (24.4%)**

Notes:

The uncertainties of Incident E/H field used the data provided by Equipment manufacturer. DASY6 software used: cDASY6 Module WPT V2.6.0.5502.

4.3.2. Internal E-field and 1g SAR Simulation Uncertainty

DASY6 Uncertainty Budget for Peak Local E_{ind}
according to IEC/IEEE 63184

Item	Error Description	Unc. Value (±dB)	Probab. Distr.	Div.	(c_i)	Std. Unc. (±dB)
Measurement system						
1	Amplitude calibration uncertainty	0.35	N	1	1	0.35
2	Probe anisotropy	0.6	R	$\sqrt{3}$	1	0.35
3	Probe dynamic linearity	0.2	R	$\sqrt{3}$	1	0.12
4	Probe frequency domain response	0.3	R	$\sqrt{3}$	1	0.17
5	Probe frequency linear interp. fit	0.15	R	$\sqrt{3}$	1	0.09
6	Spatial averaging	0.1	R	$\sqrt{3}$	1	0.06
7	Parasitic E-field sensitivity	0.1	R	$\sqrt{3}$	1	0.06
8	Detection limit	0.15	R	$\sqrt{3}$	1	0.09
9	Readout electronics	0	N	1	1	0
10	Probe positioning	0.19	N	1	1	0.19
11	Repeatability	0.1	N	1	1	0.1
12	Surface field reconstruction	0.3	N	1	1	0.3
Numerical simulations						
13	Grid resolution	0.09	R	$\sqrt{3}$	1	0.05
14	Tissue parameters	0	R	$\sqrt{3}$	1	0
15	Exposure position	0	R	$\sqrt{3}$	1	0
16	Source representation	0.27	N	1	1	0.27
17	Convergence and power budget	0	R	$\sqrt{3}$	1	0
18	Boundary conditions	0.1	R	$\sqrt{3}$	1	0.06
19	Phantom loading/backscattering	0.1	R	$\sqrt{3}$	1	0.06
Combined uncertainty ($k = 1$)						0.73
Expanded uncertainty ($k = 2$)						**1.45 (18.2%)**

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DASY6 Uncertainty Budget for psSAR1 g
according to IEC/IEEE 63184

Item	Error Description	Unc. Value (±dB)	Probab. Distr.	Div.	(c_i)	Std. Unc. (±dB)
Measurement system						
1	Amplitude calibration uncertainty	0.35	N	1	1	0.35
2	Probe anisotropy	0.6	R	$\sqrt{3}$	1	0.35
3	Probe dynamic linearity	0.2	R	$\sqrt{3}$	1	0.12
4	Probe frequency domain response	0.3	R	$\sqrt{3}$	1	0.17
5	Probe frequency linear interp. fit	0.15	R	$\sqrt{3}$	1	0.09
6	Spatial averaging	0.1	R	$\sqrt{3}$	1	0.06
7	Parasitic E-field sensitivity	0.1	R	$\sqrt{3}$	1	0.06
8	Detection limit	0.15	R	$\sqrt{3}$	1	0.09
9	Readout electronics	0	N	1	1	0
10	Probe positioning	0.19	N	1	1	0.19
11	Repeatability	0.1	N	1	1	0.1
12	Surface field reconstruction	0.2	N	1	1	0.2
Numerical simulations						
13	Grid resolution	0.02	R	$\sqrt{3}$	1	0.01
14	Tissue parameters	0	R	$\sqrt{3}$	1	0
15	Exposure position	0	R	$\sqrt{3}$	1	0
16	Source representation	0.09	N	1	1	0.09
17	Convergence and power budget	0	R	$\sqrt{3}$	1	0
18	Boundary conditions	0.1	R	$\sqrt{3}$	1	0.06
19	Phantom loading/backscattering	0.1	R	$\sqrt{3}$	1	0.06
Combined uncertainty ($k = 1$)						0.63
Expanded uncertainty ($k = 2$)						**1.27 (33.9%)**

Notes:

The uncertainties of Internal E field and 1g SAR used the data provided by Equipment manufacturer. DASY6 software used: cDASY6 Module WPT V2.6.0.5502.

5. SUMMARY OF DUT RF EXPOSURE INFORMATION

Requirement	Device
(1) The power transfer frequency is below 1 MHz.	Yes. The device under test supports frequencies 120.3, 127 and 127.5 kHz
(2) The output power from each transmitting element (e.g., coil) is less than or equal to 15 watts.	Yes. The maximum power is 15W.
(3) A client device providing the maximum permitted load is placed in physical contact with the transmitter (i.e., the surfaces of the transmitter and client device enclosures need to be in physical contact)	Yes. The client device is placed directly in contact with the device under test.
(4) Only § 2.1091-Mobile exposure conditions apply (i.e., this provision does not cover § 2.1093-Portable exposure conditions).	Yes. The device under test is considered a mobile device but is less than 20cm from the user.
(5) The E-field and H-field strengths, at and beyond 20 cm surrounding the device surface, are demonstrated to be less than 50% of the applicable MPE limit, per KDB 447498, Table 1. These measurements shall be taken along the principal axes of the device, with one axis oriented along the direction of the estimated maximum field strength, and for three points per axis or until a 1/d (inverse distance from the emitter structure) field strength decay is observed. Symmetry considerations may be used for test reduction purposes. The device shall be operated in documented worst-case compliance scenarios (i.e., the ones that lead to the maximum field components), and while all the radiating structures (e.g., coils or antennas) that by design can simultaneously transmit are energized at their nominal maximum power.	N/A. Testing is performed at 0cm and SAR was used to demonstrate regulatory compliance. Refer to §9.1.
(6) For systems with more than one radiating structure, the conditions specified in (5) must be met when the system is fully loaded (i.e., clients absorbing maximum power available), and with all the radiating structures operating at maximum power at the same time, as per design conditions. If the design allows one or more radiating structures to be powered at a higher level while other radiating structures are not powered, then those cases must be tested as well. For instance, a device may use three RF coils powered at 5 W, or one coil powered at 15 W: in this case, both scenarios shall be tested.	No. The device under test only has one Tx coil.

6. DEVICE UNDER TEST

6.1. DESCRIPTION OF DUT

This device is a wireless charger for a phone within a vehicle, and consists of 1 coil antenna. The device operates at 120.3 kHz, 127 kHz and 127.5 kHz. The device is transmitting at maximum output power when testing is performed. Refer to operational description for more detailed information of DUT.

There are two applicable test modes: Charge Mode and Direct Exposure Mode.

- Charge Mode - charging is actively on and applied to the device.
- Direct Exposure Mode - the charging device is searching for a device to enable charging.

6.2. WORST-CASE CONFIGURATION AND MODE

The following configurations were tested as worst-case position:

Antenna(s)	Mode	Test Position	Incident E Field, Incident H Field and SAR evaluation distance
Coil Antenna	Charge Mode	Front	0 mm
	Direct Exposure	Front	0 mm

Notes:

For the antenna, Incident E Field, Incident H Field and SAR testing are considered at the antenna's closest surface.
For details of test positions, refer to Appendix A.

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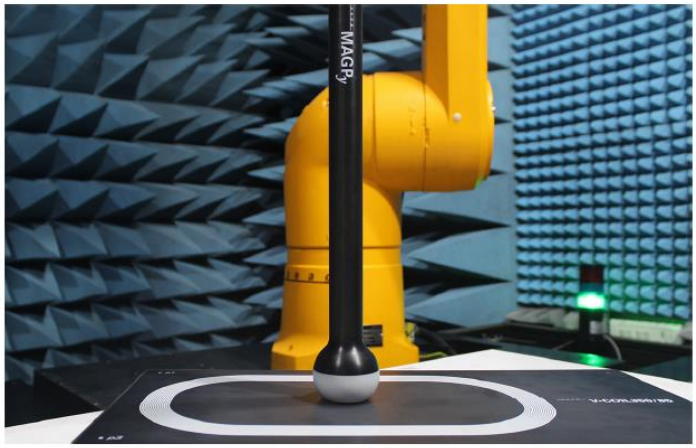
6.3. MEASUREMENT SETUP

6.3.1. E-field and H-field Measurement System

DASY system Module WPT - MAGPy is optimized for evaluation of compliance for wireless power transfer (WPT) systems and any other sources operating in the 3kHz - 10MHz frequency range. Module WPT V2.6 is compatible with the DASY systems and in addition has been extended for easy evaluations of pulsed sources.



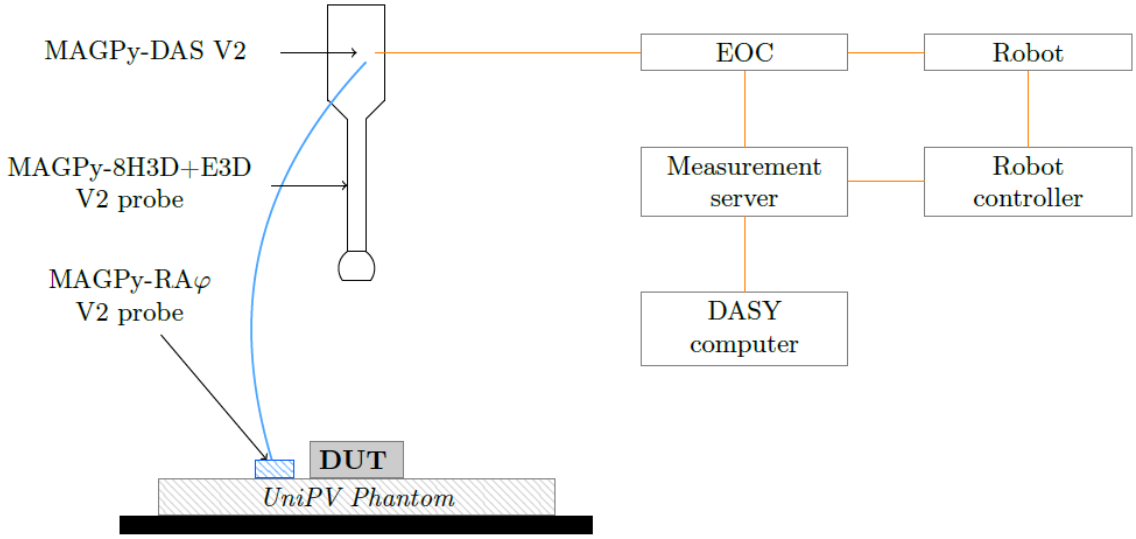


Figure : Typical measurement setup with DASY system Module WPT-MAGPy

DASY System Module WPT – MAGPy's Specifications

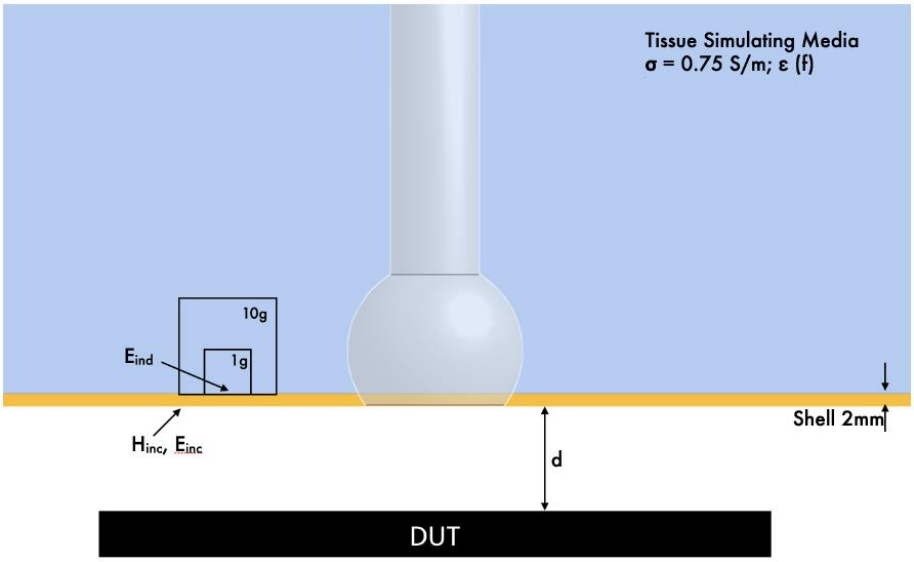
System	DASY8 Module WPT is composed of the isotropic probe MAGPy-8H3D+E3D Version 2, the reference probe (MAGPy-RAφ), and the data acquisition system (MAGPy-DAS) mounted to the DASY8 robot via the emergency stop (MAGPy-ES). It measures the incident electric and magnetic fields (E-Field, H-Field) in a volume from the surface of the DUT using advanced field reconstructions to obtain a high-resolution (mm range) field distribution. The induced electric (E-) field distributions and specific absorption rate (SAR) are assessed with Sim4Life's Quasi-Static EM Solver (P-EM-QS) using only the measured data. At each probe location, eight sets of isotropic H-field values and one set of isotropic E-field values are acquired in parallel. The dedicated graphical user interface (GUI) fully automates the testing workflow.

Applications	Laboratory evaluation of WPT systems and any other local electromagnetic source not requiring magnetic (H-) field volume scans exceeding 2000 mm × 1000 mm × 1500 mm: • Assessment of high-resolution H-field distribution (3 kHz – 10 MHz) • Assessment of high-resolution E-field distribution (3 kHz – 10 MHz) • Determination of the induced field and SAR distribution in the standard phantom (3 kHz – 4 MHz) • Demonstration of compliance (3 kHz – 4 MHz) with international standards and national regulations, e.g., IEC PAS 63184, FCC KDB 680106 D01, ISED Canada SPR-002
Basic Components	The basic components of DASY8/6 Module WPT are: Platform and DASY8 TX2-90XL Robot • DASY8 Measurement Server • EOC8 • Light-Beam Unit • Quick Adapter Change System (QACSV1) • DASY8 PC
MAGPy-DAS V2	The MAGPy-DAS includes: • 27 14-bit ADC channels with 25 MSPs • Peak detection stage • Hardware supervising unit • Data transfer to the backend • 22 tap FIR filter
MAGPy-RAφV2	Specifications of the MAGPy-RAφ reference amplitude and phase probe: • Frequency range: 3 kHz – 10 MHz • Dynamic range: 0.1 A/m – 3200 A/m (0.12 µT – 4 mT) • Loop coil area: 18.9 cm^2 • Sensor size: 51 mm x 51 mm x 0.2 mm
MAGPy-8H3D+E3D V2	The MAGPy-8H3D+E3D V2 probe consists of eight isotropic H-field sensors and one isotropic E-field sensor: Probe design: • Probe length: 335 mm • Probe tip diameter: 60 mm • 8H3D: eight isotropic 1 cm^2-H-field sensors, arranged at the corners of a 22 mm cube • First H-field sensor plane: 7.5 mm from the probe tip • E3D: one isotropic E-field sensor (dipole / monopole) (arm length: 50mm) Sensor specifications: • Frequency range: 3 kHz – 10 MHz • H-field dynamic range: 0.1 A/m – 3200 A/m (0.12 µT – 4 mT) • H-field extrapolation uncertainty: 0.6 dB (k = 2) • E-field dynamic range: 0.08 V/m – 2000 V/m
Software	Software components: • DASY8 Module WPT application programming interface (API) • WPT /6backend • Jupyter Notebook GUI • Sim4Life plugin (vector potential reconstruction, P-EM-QS solver) • DASY6 software used: cDASY6 Module WPT V2.6.0.5502

6.3.2. E-field and H-field Measurement & Extrapolation using MAGPy Probe

MAGPy probe can measured H-field strength at 8.5 mm distance from Probe's H-field sensor to DUT's surface. And it is possible to Extrapolated the H-field strength of 0.0 mm distance using Sim4Life WPT software. And E-field also Provides a value of 0.0 mm distance through Sim4Life WPT software(MQS slover).

6.3.3. Simulated Internal E-field and SAR based on DASY module WPT S/W



Distance used in the tables for simulation and compliance evaluation results is defined as the spacing between the top surface of the DUT and the bottom surface of the fictive phantom shell (with a thickness of 2 mm). In this case, the evaluation is made at distance d. Typically d = 0, i.e., at the DUT surface. The evaluation locations of the incident E-/H-fields as well as the internal E field and SAR are also illustrated.
Finally, Both internal E field and SAR are simulated through incident E-/H-field.

7. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was used for the tests documented in this report:

Name of Equipment	Manufactor	Type/Model	Serial No.	Cal Date	Cal. Due Date
Probe	SPEAG	MAGPy-8H3D+E3D	3113	2024-08-15	2025-08-15
Probe	SPEAG	MAGPy-DAS	3095	2024-08-15	2025-08-15
System Verification Source	SPEAG	V-Coil50/400	1028	2024-05-27	2025-05-27

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8. System Verification

System check performed using the verification source according to test system and procedure Manufacturer guide(DASY8 Modules WPT System Handbook (SW Module WPT V2.6)). And The deviation of measured values from the target values of calibration report should be less than the expanded uncertainty.

Reference Values

The reference values can be obtained from the calibration certificate of system verification source.

Verification Source	Serial No.	Cal. Date	Cal.due date	Target values at 0mm distance		
				Measured/Extrapolated	Simulated (Local)	
				H-field (A/m)	Internal E field (V/m)	1g SAR (W/kg)
V-coil50/400	1028	2024-05-27	2025-05-27	267	4.32	0.00723

System Verification Results

SAR Lab 4

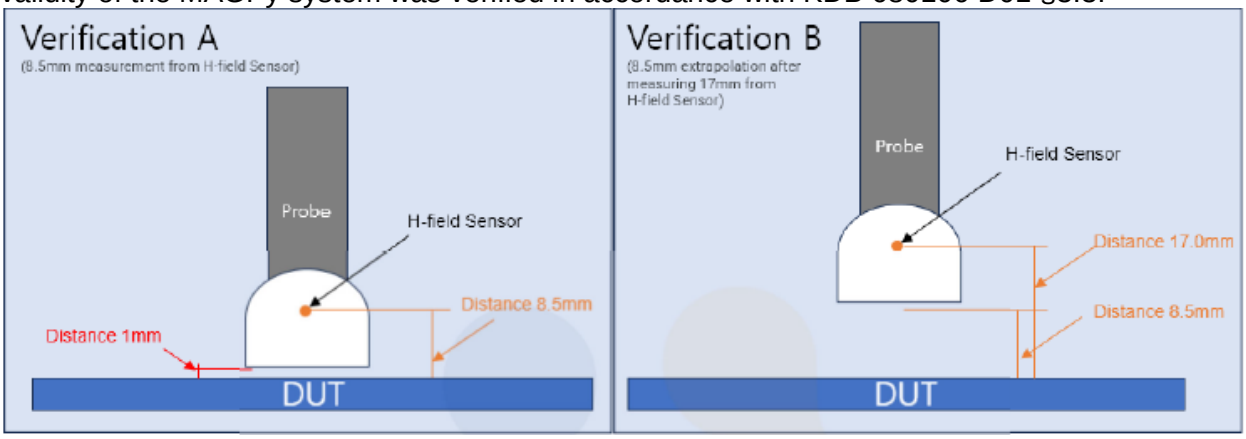
Date Tested	System Source		H-field (A/m)		Deviation (±16.6%)	E-field (V/m)		Deviation (±24.4%)	Internal E field (V/m)		Deviation (±18.2%)	1g SAR (mW/kg)		Deviation (±33.9%)	Plot No.
	Type	Serial #	Test results	Target		Test results	Target		Test results	Target		Test results	Target		
4/8/2025	V-coil50/400	1028	247	267	-7.49	4.27	4.32	-1.16	4.27	4.32	-1.16	6.30	7.23	-12.86	1
4/14/2025	V-coil50/400	1028	246	267	-7.87	4.14	4.32	-4.17	4.14	4.32	-4.17	5.89	7.23	-18.53	2

Note(s):

The deviation of measured values from the target values of the calibration report should be less than the expanded uncertainty.

8.1. EXTRAPOLATION VERIFICATION

In order to apply/use data extrapolation using the SPEAG MAGPy system, the extrapolation validity of the MAGPy system was verified in accordance with KDB 680106 D01 §3.3.



The deviation in results between Verification A and Verification B must be within ±30% for the system to be successfully validated per KDB 680106 D01 §3.3.

Mode and test configuration yielding the Highest measured test results are used for extrapolation verification. Refer to §9.1.1 for Measured MPE Results and §9.1.2 for Extrapolation Verification Results.

9. MAXIMUM PERMISSIBLE RF EXPOSURE

9.1. FCC LIMITS AND SUMMARY

§1.1310 The criteria listed in Table 1 shall be used to evaluate the environmental impact of human exposure to radiofrequency (RF) radiation as specified in §1.1307(b), except in the case of portable devices which shall be evaluated according to the provisions of §2.1093 of this chapter.

Table 1 to § 1.1310(e)(1) - 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)	SAR (1g)
(i) Limits for Occupational/Controlled Exposure					
0.3-3.0	614	1.63	*(100)	≤6	8
3.0-30	1842/f	4.89/f	*($900/f^2$)	<6	8
30-300	61.4	0.163	1.0	<6	8
300-1,500	--	--	f/300	<6	8
1,500-100,000	--	--	5	<6	8
(ii) Limits for General Population/Uncontrolled Exposure					
0.3-1.34	614	1.63	*(100)	<30	1.6
1.34-30	824/f	2.19/f	*($180/f^2$)	<30	1.6
30-300	27.5	0.073	0.2	<30	1.6
300-1,500	--	--	f/1500	<30	1.6
1,500-100,000	--	--	1.0	<30	1.6

f = frequency in MHz. * = Plane-wave equivalent power density.

According to KDB 680106 D01 Wireless Power Transfer v04 section 3.2: Accordingly, for § 2.1091-Mobile devices, the MPE limits between 100 kHz to 300 kHz are to be considered the same as those at 300 kHz in Table 1 of § 1.1310, that is, 614 V/m and 1.63 A/m, for the electric field and magnetic field, respectively. Per FCC guidance, if DUT is unable to show compliance with E and H-Filed regulatory limits, SAR result may be used to show compliance against the FCC SAR regulatory limit. This is only applicable if the measurement system used is verified in accordance with KDB 680106 D01 §3.3.

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9.1.1. MEASURED MPE RESULTS

Antenna(s)	Mode	Test Configuration	Frequency (kHz)	Simulated Distance (mm)	Measured Local E/H Ratio (Ω)	Local E/H Ratio Upper Limit (Ω)	Measured E_{inc} (V/m)	Internal E-field Limit (V/m)	Measured H_{inc} (A/m)	Internal H-field Limit (A/m)	Measured 1-g SAR (W/kg)	FCC SAR Limit (W/kg)	Plot No.
Coil Antenna	Charge Mode	Edge Top	120.3	0	29.564	37.7	14.6	614	1.59	1.63	0.00000005	1.6	
Coil Antenna	Charge Mode	Edge Top	127.0	0	35.581	37.7	13.2	614	1.28	1.63	0.00000004	1.6	
Coil Antenna	Charge Mode	Edge Top	127.5	0	36.917	37.7	13.5	614	1.34	1.63	0.00000005	1.6	
Coil Antenna	Charge Mode	Edge Right	120.3	0	9.568	37.7	1.95	614	0.992	1.63	0.00000007	1.6	
Coil Antenna	Charge Mode	Edge Right	127.0	0	8.31	37.7	1.54	614	0.819	1.63	0.00000005	1.6	
Coil Antenna	Charge Mode	Edge Right	127.5	0	11.824	37.7	2.14	614	0.827	1.63	0.00000009	1.6	
Coil Antenna	Charge Mode	Edge Bottom	120.3	0	24.459	37.7	7.61	614	0.707	1.63	0.00000004	1.6	
Coil Antenna	Charge Mode	Edge Bottom	127.0	0	8.045	37.7	5.86	614	1.87	1.63	0.00000020	1.6	
Coil Antenna	Charge Mode	Edge Bottom	127.5	0	30.225	37.7	6.62	614	0.443	1.63	0.00000002	1.6	
Coil Antenna	Charge Mode	Edge Left	120.3	0	6.214	37.7	1.84	614	1.47	1.63	0.00000009	1.6	
Coil Antenna	Charge Mode	Edge Left	127.0	0	8.604	37.7	1.67	614	1.14	1.63	0.00000005	1.6	
Coil Antenna	Charge Mode	Edge Left	127.5	0	5.525	37.7	1.88	614	1.92	1.63	0.00000017	1.6	
Coil Antenna	Charge Mode	Front	120.3	0	27.436	37.7	27.2	614	3.64	1.63	0.00000038	1.6	
Coil Antenna	Charge Mode	Front	127.0	0	26.846	37.7	30.6	614	3.94	1.63	0.00000031	1.6	
Coil Antenna	Charge Mode	Front	127.5	0	31.522	37.7	25.6	614	3.21	1.63	0.00000036	1.6	
Coil Antenna	Direct Exposure	Front	120.3	0	0.367	37.7	43.7	614	750	1.63	**0.00546**	1.6	1
Coil Antenna	Direct Exposure	Front	127.0	0	0.429	37.7	38.5	614	562	1.63	0.00333	1.6	
Coil Antenna	Direct Exposure	Front	127.5	0	0.37	37.7	39.8	614	574	1.63	0.00334	1.6	

9.1.2. EXTRAPOLATION VERIFICATION RESULTS

Antenna(s)	Mode	Test Configuration	Frequency (kHz)	Verification No.	Simulated Distance (mm)	Acquisition Time (s)	Measured H_{inc} (A/m) at 8.5mm	Extrapolated H_{inc} (A/m) at 8.5mm	Deviation (%)	Plot No.
Coil Antenna	Direct Exposure	Front	120.3	A	8.5	4	380	--	-17.4%	2
Coil Antenna	Direct Exposure	Front	120.3	B	17	4	--	314		3

Note(s):

The deviation in results between Verification A and Verification B must be within ±30% for the system to be successfully validated per KDB 680106 D01 §3.3.

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Appendixes

Refer to separated files for the following appendixes.

Appendix A: Setup Photos

Appendix B: System Verification Plots

Appendix C: Highest Test Plots

Appendix D: Probe Certificates

Appendix E: Verification source Certificate

END OF REPORT

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