

TEST REPORT



Dt&C Co., Ltd.

42, Yurim-ro, 154Beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea, 17042
Tel : 031-321-2664, Fax : 031-321-1664

1. Report No : DRRFCC2607-0031

2. Customer

• Name (FCC) : BH EVS CO.,LTD.

• Address (FCC) : 35, Magokjungang 8-ro 3-gil, Gangseo-gu, South Korea 07793

3. Use of Report : FCC Class 2 Permissive Change

4. Product Name / Model Name : Wireless Power Charger / WCGMM00N3C8

FCC ID : 2A6WXWCGMM00N3C8

5. FCC Regulation(s) : CFR 47 Part 2 subpart 2.1093

Test Method Used : FCC SAR KDB Publications (Details in test report)

6. Date of Test : 2026.06.22 ~ 2026.06.23

7. Location of Test : ☒ Permanent Testing Lab ☐ On Site Testing

8. Testing Environment : Refer to appended test report.

9. Test Result : Refer to attached test report.

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.

This test report is not related to KOLAS accreditation.

Affirmation	Tested by		Reviewed by	
	Name : SeoYeon Choi		Name : HakMin Kim	

2026 . 07 . 24 .

Dt&C Co., Ltd.

If this report is required to confirmation of authenticity, please contact to report@dtnc.net

Test Report Version

Test Report No.	Date	Description	Tested by	Reviewed by
DRRFCC2607-0031	Jul. 24, 2026	Initial issue	SeoYeon Choi	HakMin Kim

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1. Description of device

1.1 General Information

EUT type	Wireless Power Charger		
FCC ID	2A6WXWCGMM00N3C8		
Equipment model name	WCGMM00N3C8		
Equipment add model name	N/A		
Equipment serial no.	Identical prototype		
FVIN (Firmware Version Identification Number)	1.21		
FCC & ISSED MRA Designation No.	KR0034		
FCC Test Firm Registration No.	704742		
ISSED#	5740A		
Exposure Category	Electric field Strength limit	Magnetic field Strength limit	psSAR limit
	E-Field (V/m)	H-Field (A/m)	1g SAR (W/kg)
General population / Uncontrolled exposure at 128kHz	614	1.63	1.6
RF exposure conditions SAR (=at 0 cm test distance) NS (=at 0 cm test distance)	Electric field Strength highest Result	Magnetic field Strength highest Result	psSAR highest Result
	E-Field (V/m)	H-Field (A/m)	1g SAR (W/kg)
WPT Charging mode (at 128kHz)	128.0	66.0 ¹⁾	0.25
Date(s) of Tests	2026.06.22 ~ 2026.06.23		
Test Results	PASS		

1. An assessment against the limit for peak spatial-average SAR was performed for the EUT, as the limits for Maximum Permissible Exposure had been exceeded.

1.2 Guidance Applied

- KDB 680106 D01 Wireless Power Transfer v04
- DASY8 MODULE WPT SYSTEM HANDBOOK

2. RF Exposure Limit

2.1 Limits for Maximum Permissible Exposure

§ 1.1310 The criteria listed in table 1 shall be used to evaluate the environmental impact of human exposure to radio frequency(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.

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 Exposure				
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
300-1,500			f/300	6
1,500-100,000			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
300-1,500			f/1500	30
1,500-100,000			1.0	30

f = frequency in MHz

* = Plane-wave equivalent power density

(1) Occupational/controlled exposure limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when a person is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure. The phrase fully aware in the context of applying these exposure limits means that an exposed person has received written and/or verbal information fully explaining the potential for RF exposure resulting from his or her employment. With the exception of transient persons, this phrase also means that an exposed person has received appropriate training regarding work practices relating to controlling or mitigating his or her exposure. Such training is not required for transient persons, but they must receive written and/or verbal information and notification (for example, using signs) concerning their exposure potential and appropriate means available to mitigate their exposure. The phrase exercise control means that an exposed person is allowed to and knows how to reduce or avoid exposure by administrative or engineering controls and work practices, such as use of personal protective equipment or time averaging of exposure.

(2) General population/uncontrolled exposure limits apply in situations in which the general public may be exposed, or in which persons who are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

2.2 Limit for peak spatial-average SAR

The SAR limits for general population/uncontrolled exposure are 0.08 W/kg, as averaged over the whole body, and a peak spatial-average SAR of 1.6 W/kg, averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the parts of the human body treated as extremities, such as hands, wrists, feet, ankles, and pinnae, where the peak spatial-average SAR limit is 4 W/kg, averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube). Exposure may be averaged over a time period not to exceed 30 minutes to determine compliance with general population/uncontrolled SAR limits.

2.3 Reference

1. Ilkka Laakso, Valerio De Santis, Silvano Cruciani, Tommaso Campi, and Mauro Feliziani, "Modelling of induced electric fields based on incompletely known magnetic fields", Physics in Medicine & Biology, vol. 62, no. 16, pp. 6567, 2017
2. Sami Gabriel, RW Lau, and Camelia Gabriel, "The dielectric properties of biological tissues: li. measurements in the frequency range 10 Hz to 20 GHz", Physics in medicine & biology, vol. 41, no. 11, pp. 2251, 1996
3. ICNIRP, "Guidelines for limiting exposure to time-varying electric, magnetic and electromagnetic fields (up to 300 GHz)", Health Physics, vol. 74, pp. 494-522, 1998.
4. IEEE C95.1, IEEE Standard for Safety Levels with Respect to Human Exposure to Electric, Magnetic, and Electromagnetic Fields, 0 Hz to 300 GHz, IEEE Standards Department, International Committee on Electromagnetic Safety, The Institute of Electrical and Electronics Engineers, Inc. 3 Park Avenue, New York, NY 10016-5997, USA, 2019.
5. International Commission on Non-Ionizing Radiation Protection et al., "Guidelines for limiting exposure to electromagnetic fields (100 kHz to 300 GHz)", Health Physics, vol. 118, no. 5, pp. 483-524, 2020.
6. WR Smythe, "Static and dynamic electricity, 2nd edition", p. 266, 1989.
7. IEC/IEEE 62704-1, Recommended Practice for Determining the Spatial-Peak Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices, 30 MHz-6 GHz - Part 1: General Requirements for using the Finite Difference Time Domain (FDTD) Method for SAR Calculations, International Electrotechnical Commission (IEC), IEC Technical Committee 106, Geneva, Switzerland, 2017.
8. IEC/IEEE 62704-4, Recommended Practice for Determining the Spatial-Peak Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices, 30 MHz-6 GHz - Part 1: General Requirements for using the Finite Element Method (FEM) for SAR Calculations, International Electrotechnical Commission (IEC), IEC Technical Committee 106, Geneva, Switzerland, 2020
9. Assessment methods of the human exposure to electric and magnetic fields from wireless power transfer systems. Models, instrumentation, measurement and numerical methods and procedures (frequency range of 1 kHz to 30 MHz), IEC PAS 63184:2021

3. E-field and H-field Measurement System & Test Equipment

3.1 Measurement system

DASY8 Module WPT is optimized for evaluating compliance of inductive Wireless Power Transfer (WPT) systems and any other magnetic-field sources operating in the 3 kHz – 10 MHz frequency range.

Module WPT V2.8 has been extended for easy evaluations of pulsed sources. It is available for both DASY6 and DASY8 systems.

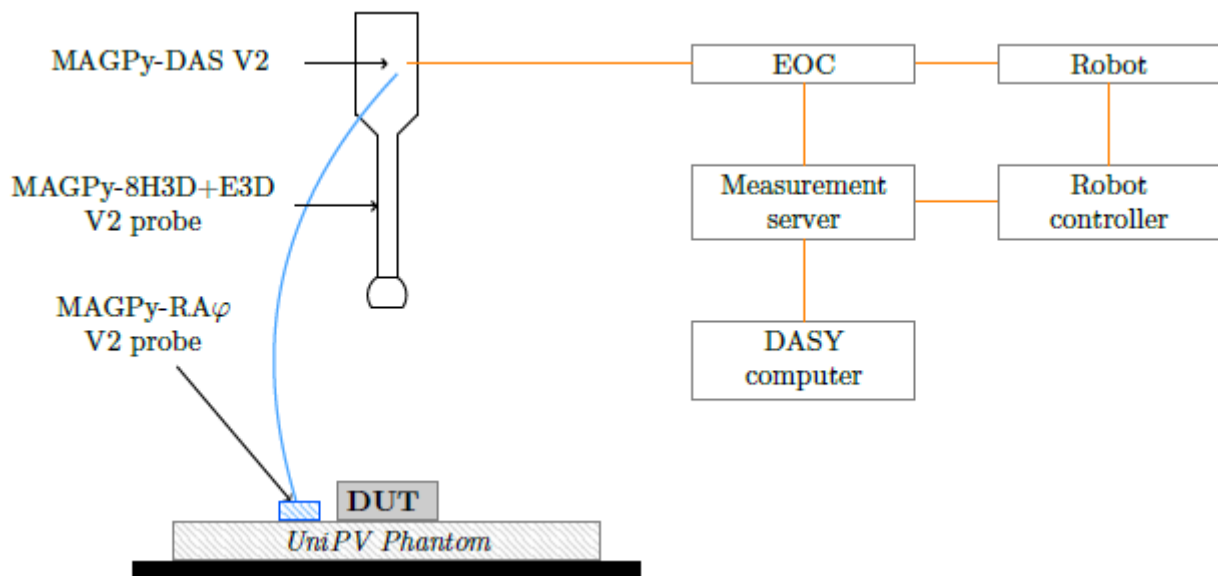


Figure: Typical measurement setup with DASY Module WPT

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 (E-) and magnetic (H-) fields in a volume from the surface of the device under test (DUT) using advanced field reconstructions to obtain a high-resolution (mm range) field distribution. The induced 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 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	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-8H3D+E3D V2	The MAGPy-8H3D+E3D 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 cm²-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) 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
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 cm² • Sensor size: 51 mm × 51 mm × 0.2 mm
Software	Software components: • DASY8 Module WPT application programming interface (API) • WPT backend • Jupyter Notebook GUI • Sim4Life plugin (vector potential reconstruction, P-EM-QS solver)

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).

3.3 Test Equipment

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal Date	Cal. Due Date
Probe	SPEAG	MAGPy 8H3D+E3D	3075	2026-05-05	2027-05-05
	SPEAG	MAGPy DAS	3111	2026-05-05	2027-05-05
System verification Source	SPEAG	V-Coil350/85	1036	2025-11-14	2026-11-14

4. DUT Informations

This device has support 2 operating modes (WPT charging (up to 15W) / Stand by (Object Detection) modes). Each mode has same frequencies. (Both WPT charging mode and idle mode operate at 128 kHz. And this device switches from WPT charging mode to Idle mode in less than 1 second, When WPT client removed from WPT source during Charging condition. Detail of information are refer to Operational description.

WPT Client Information

DUT Type	Manufacturer	Model	Receiver Power
Smartphone	Samsung	Galaxy S26 Ultra	15W

5. RF Exposure Conditions (Test Configurations)

RF Exposure Conditions	Mode	Test configurations	Separation distance of DUT's surface-to-Probe's tip	Test Position	Note
Thermal (Basic restriction)	Charging mode	WPT Source & WPT Client	0 mm	Above DUT	
				Top	
				Bottom	
				Right	
				Left	
	Standby mode	Only WPT Source	0 mm	Above DUT	
NS (Nerve Stimulation)	Charging mode	WPT Source & WPT Client	0 mm	Above DUT	
				Top	
				Bottom	
				Right	
				Left	
	Standby mode	Only WPT Source	0 mm	Above DUT	1

Note(s):

1. NS tests were performed using standby mode for direct exposure testing of the WPT source. The WPT source used standby mode within 1 second when the WPT client was removed during WPT charging.
2. For NS tests, there is a real gap between the DUT surface and the probe sensor, but the results of 0 mm were applied through extrapolation by Sim4Life WPT software (MQS solver) after the measurements.

The time domain plot provided by the applicant is as follows.

This is a time domain plot that switches to standby mode within 1 second.

Test Purpose

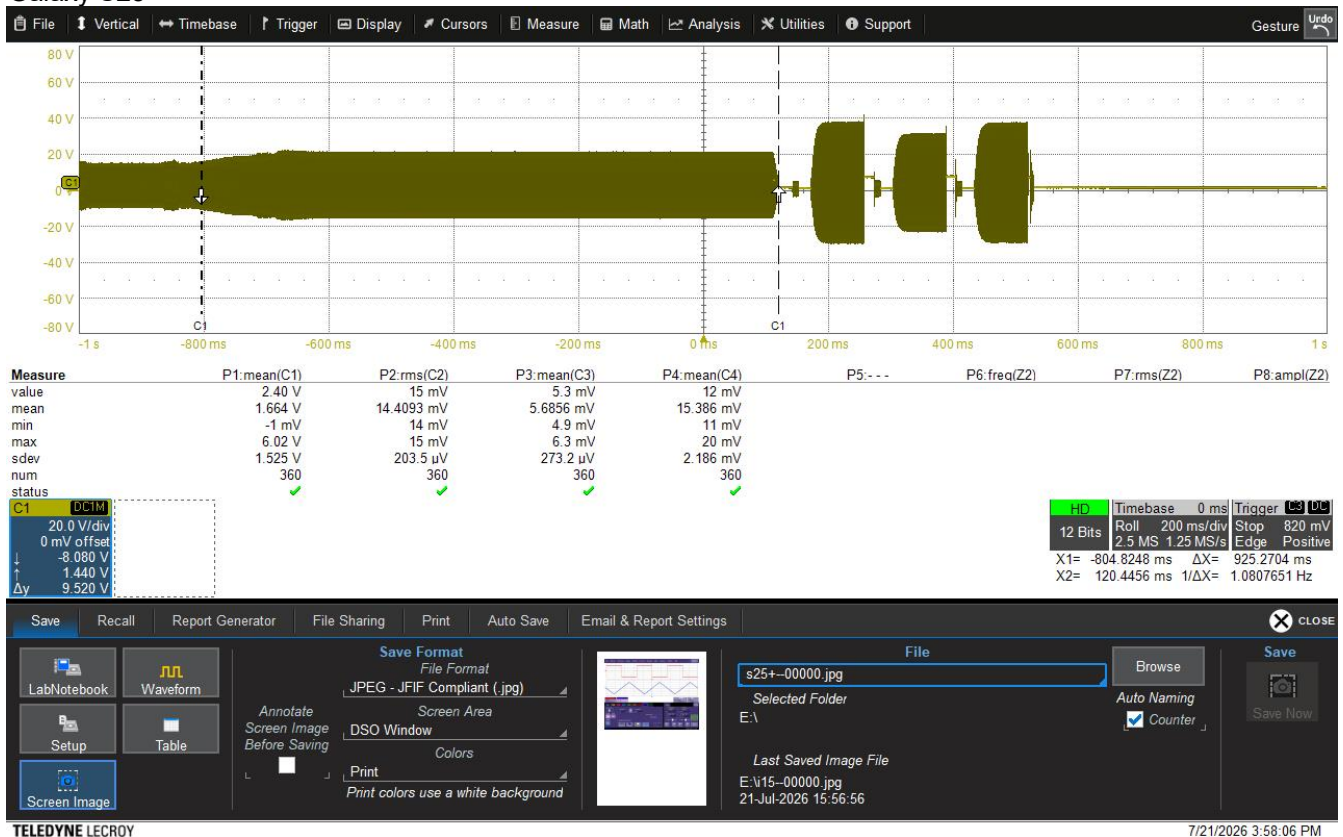
- Check the time for Rx Detect to OD for Oscilloscope

Test Condition

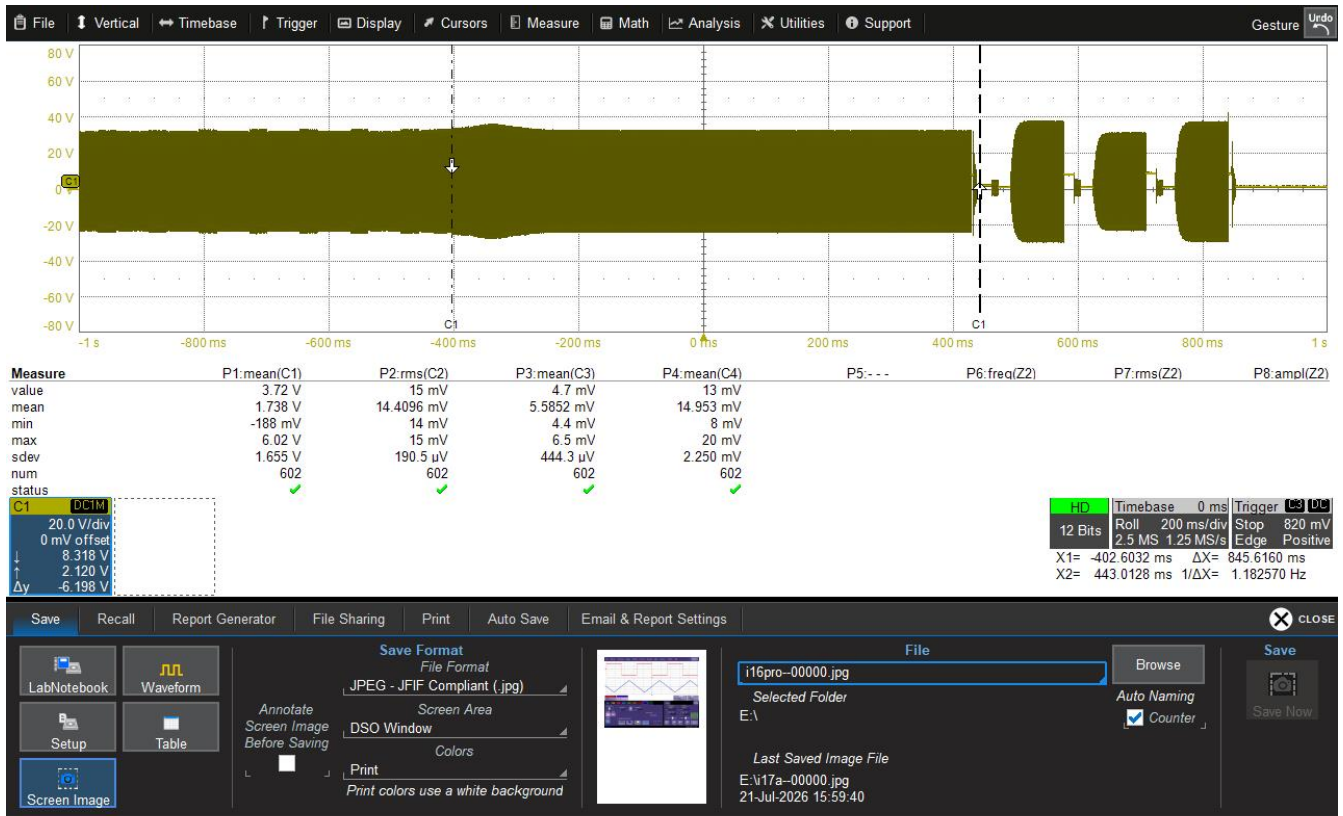
- Test Rx : Galaxy S25+, iphone 16 Pro, iphone17e, iphone17 Air, iphone 15
- Test Time : 10 (10 times for Remove Rx Upwards)
- Test Condition
 - EPP & MPP : Rx detach at Tx after entering 15W Charging
 - BPP : RX detach at Tx after entering Samsung Boost Charging

Rx(Phone)	1	2	3	4	5	6	7	8	9	10	Worst
Galaxy S25+	925	913	932	921	921	911	918	919	936	929	936
iPhone 16 Pro	845	849	855	854	850	866	870	851	850	843	870
iPhone 15	874	876	866	888	860	872	859	874	870	871	888
iPhone 17e	758	759	759	766	761	768	770	769	749	763	769
iPhone 17 Air	888	881	883	876	889	874	868	876	877	891	891

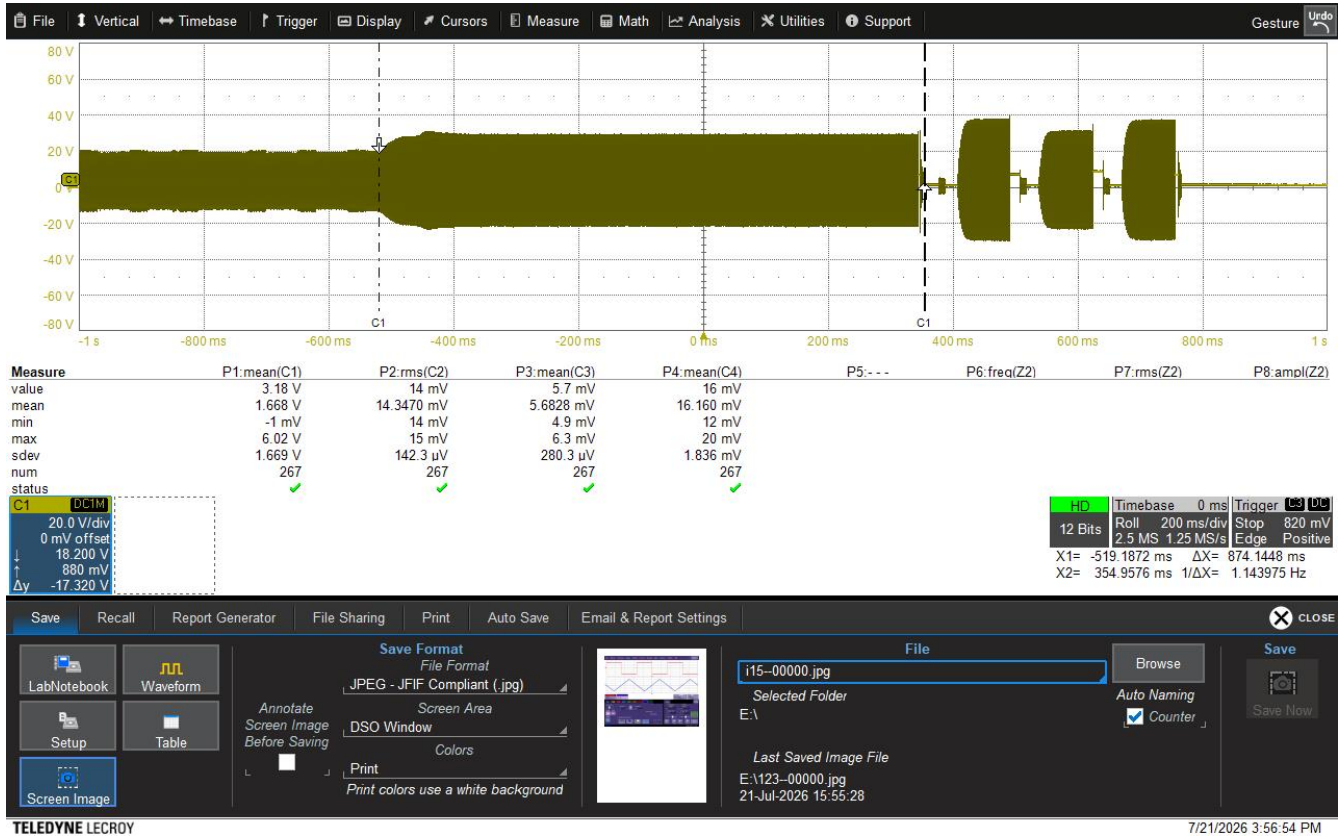
Galaxy S25+



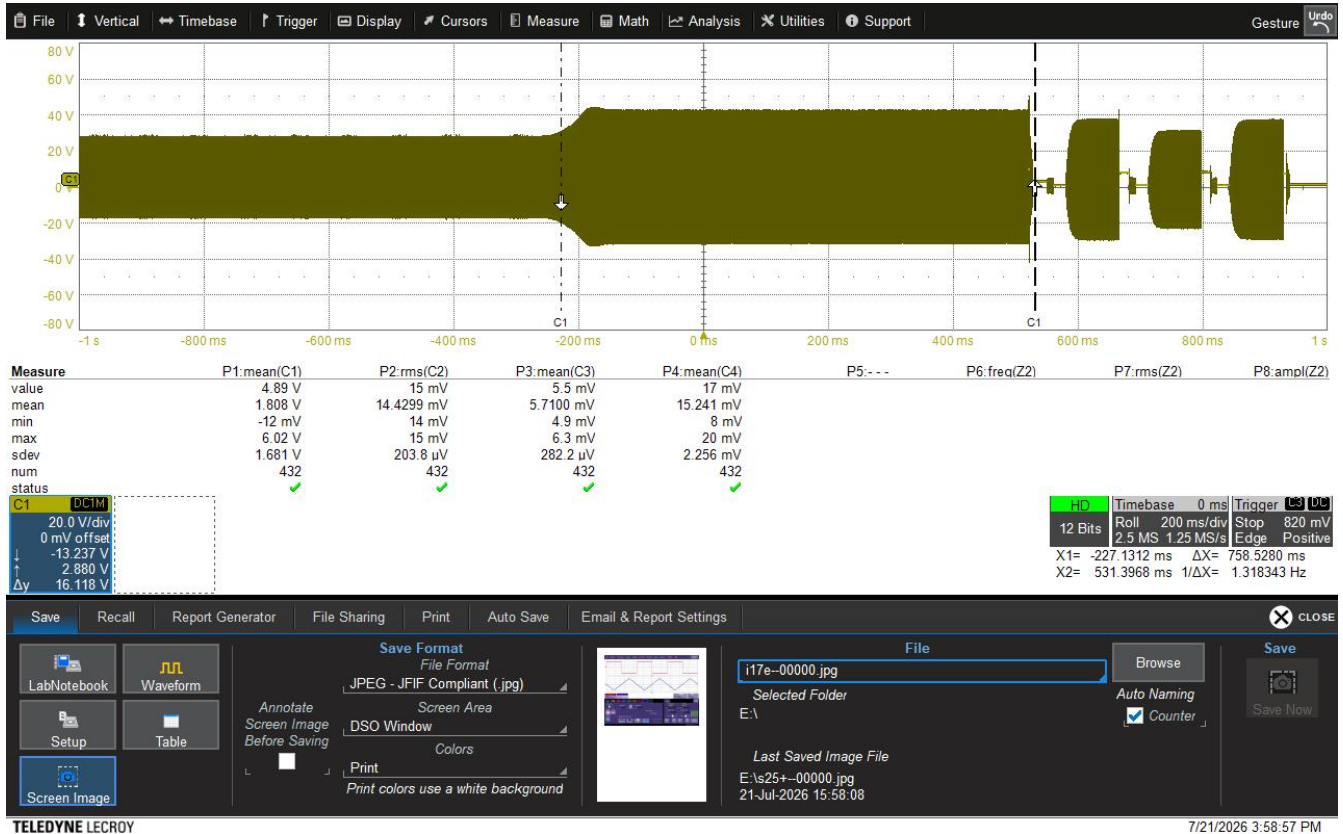
iPhone 16 Pro



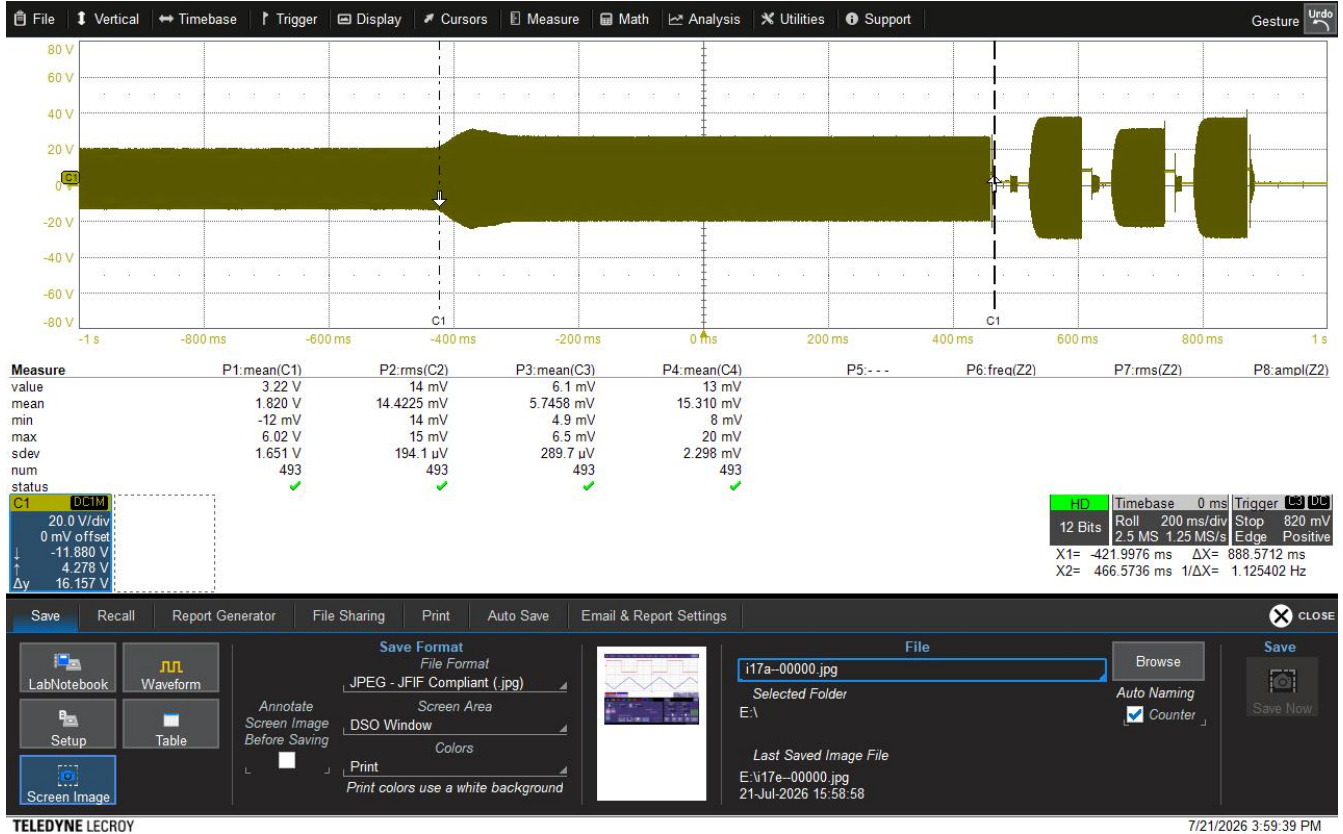
iPhone 15



iPhone 17e



iPhone 17 Air



6. System verification

System verification Results

Test Date	System Source		Peak Induced E-Field (V/m) at 0 mm				Peak H-Field (A/m) at 0 mm			Plot No
	Type	Serial No.	Measurement Value	Target Value		Delta (±%)	Measurement Value	Target Value	Delta (±%)	
2026.06.22	V-coil350/85	1036	3.49	2 mm cube avg.	3.52	-0.85	203	215	-5.58	1
			3.52	Local	3.55	-0.85				
			3.53	5 mm line avg.	3.56	-0.84				
2026.06.23	V-coil350/85	1036	3.56	2 mm cube avg.	3.52	1.14	206	215	-4.19	2
			3.59	Local	3.55	1.13				
			3.60	5 mm line avg.	3.56	1.12				
Test Date	System Source		Peak spatial SAR (mW/kg) at 0 mm				Induced Peak Current Density (A/m², RMS) at 0 mm			Plot No
	Type	Serial No.	Measurement Value	Target Value		Delta (±%)	Measurement Value	Target Value	Delta (±%)	
2026.06.22	V-coil350/85	1036	7.21	1g avg.	7.10	1.55	2.47	2.47	0.00	1
			5.45	10g avg.	5.23	4.21				
2026.06.23	V-coil350/85	1036	7.49	1g avg.	7.10	5.49	2.52	2.47	2.02	2
			5.66	10g avg.	5.23	8.22				
Test Date	System Source		Peak Induced E-Field (V/m) at 2 mm				Peak H-Field (A/m) at 2 mm			Plot No
	Type	Serial No.	Measurement Value	Target Value		Delta (±%)	Measurement Value	Target Value	Delta (±%)	
2026.06.22	V-coil350/85	1036	3.30	2 mm cube avg.	3.30	0.00	185	196	-5.61	1
			3.33	Local	3.34	-0.30				
			3.34	5 mm line avg.	3.35	-0.30				
2026.06.23	V-coil350/85	1036	3.37	2 mm cube avg.	3.30	2.12	188	196	-4.08	2
			3.39	Local	3.34	1.50				
			3.40	5 mm line avg.	3.35	1.49				
Test Date	System Source		Peak spatial SAR (mW/kg) at 2 mm				Induced Peak Current Density (A/m², RMS) at 2 mm			Plot No
	Type	Serial No.	Measurement Value	Target Value		Delta (±%)	Measurement Value	Target Value	Delta (±%)	
2026.06.22	V-coil350/85	1036	6.49	1g avg.	6.32	2.69	2.34	2.32	0.86	1
			4.97	10g avg.	4.73	5.07				
2026.06.23	V-coil350/85	1036	6.73	1g avg.	6.32	6.49	2.38	2.32	2.59	2
			5.17	10g avg.	4.73	9.30				

Note:
The deviation of measured values from the target values of calibration report should be less than the expanded uncertainty (H-Field ±16.6 %, E-Field ±24.4 %, psSAR ±33.9 %)



A set of four system verification sources (3 kHz, 85 kHz, 400 kHz and 6.78 MHz) are available. According to the manufacturer's guide, the system verification was performed in the nearest frequency band with DUT's operate frequency.

7. RF Exposure Test Results

7.1 Electric Field (E-field) strength Result

DUT positon	Test mode	Test positon	E-field strength results (V/m) at 0 cm	Limit (V/m)	Plot No.
Top of DUT	Charging mode (< 99%)	Above DUT	108.00	614	A1
		Top	3.10		
		Bottom	3.28		
		Right	23.60		
		Left	13.30		
	Charging mode (< 50%)	Above DUT	128.00		
		Top	13.90		
		Bottom	3.52		
		Right	23.80		
		Left	14.00		
	Charging mode (< 10%)	Above DUT	56.10		
		Top	15.50		
		Bottom	3.59		
		Right	29.10		
		Left	14.10		
Middle of DUT	Charging mode (< 99%)	Above DUT	88.40		
		Top	4.20		
		Bottom	2.30		
		Right	23.40		
		Left	4.52		
	Charging mode (< 50%)	Above DUT	77.10		
		Top	10.90		
		Bottom	3.49		
		Right	23.20		
		Left	7.69		
	Charging mode (< 10%)	Above DUT	54.10		
		Top	4.04		
		Bottom	3.56		
		Right	27.00		
		Left	7.75		
Bottom of DUT	Charging mode (< 99%)	Above DUT	63.00		
		Top	6.09		
		Bottom	3.44		
		Right	1.96		
		Left	14.30		
	Charging mode (< 50%)	Above DUT	84.60		
		Top	5.84		
		Bottom	5.58		
		Right	2.49		
		Left	11.40		
	Charging mode (< 10%)	Above DUT	73.20		
		Top	9.51		
		Bottom	7.21		
		Right	7.28		
		Left	15.30		
N/A	Standby mode	Above DUT	1.55	614	A2

7.2 Magnetic (H-field) strength Results

Test mode	Test mode	Test position	Test distance (cm)	H-field strength results (A/m)	Limit (A/m)	Plot No.
Top of DUT	Charging mode (< 99%)	Above DUT	0	52.40 ¹⁾	1.63	A3
		Top	0	17.90 ¹⁾		
		Bottom	0	22.60 ¹⁾		
		Right	0	11.60 ¹⁾		
		Left	0	3.60 ¹⁾		
	Charging mode (< 50%)	Above DUT	0	52.10 ¹⁾		
		Top	0	59.20 ¹⁾		
		Bottom	0	23.20 ¹⁾		
		Right	0	11.60 ¹⁾		
		Left	0	3.90 ¹⁾		
	Charging mode (< 10%)	Above DUT	0	36.60 ¹⁾		
		Top	0	66.00 ¹⁾		
		Bottom	0	23.40 ¹⁾		
		Right	0	15.50 ¹⁾		
		Left	0	3.80 ¹⁾		
Middle of DUT	Charging mode (< 99%)	Above DUT	0	16.60 ¹⁾		
		Top	0	10.20 ¹⁾		
		Bottom	0	8.49 ¹⁾		
		Right	0	8.07 ¹⁾		
		Left	0	0.62		
	Charging mode (< 50%)	Above DUT	0	17.80 ¹⁾		
		Top	0	34.80 ¹⁾		
		Bottom	0	9.53 ¹⁾		
		Right	0	8.24 ¹⁾		
		Left	0	1.10		
	Charging mode (< 10%)	Above DUT	0	13.00 ¹⁾		
		Top	0	10.40 ¹⁾		
		Bottom	0	8.64 ¹⁾		
		Right	0	13.10 ¹⁾		
		Left	0	1.10		
Bottom of DUT	Charging mode (< 99%)	Above DUT	0	38.90 ¹⁾		
		Top	0	19.10 ¹⁾		
		Bottom	0	20.30 ¹⁾		
		Right	0	7.28 ¹⁾		
		Left	0	9.35 ¹⁾		
	Charging mode (< 50%)	Above DUT	0	59.60 ¹⁾		
		Top	0	19.20 ¹⁾		
		Bottom	0	19.50 ¹⁾		
		Right	0	10.10 ¹⁾		
		Left	0	7.25 ¹⁾		
	Charging mode (< 10%)	Above DUT	0	60.50 ¹⁾		
		Top	0	31.00 ¹⁾		
		Bottom	0	21.00 ¹⁾		
		Right	0	16.40 ¹⁾		
		Left	0	11.60 ¹⁾		
N/A	Standby mode	Above DUT	0	44.20 ¹⁾	1.63	A2

Note:

- 1) An assessment against the limit for peak spatial-average SAR was performed for the EUT, as the limits for Maximum Permissible Exposure had been exceeded.
- 2) This device will primarily come into contact (0 cm) with hand, and there is generally no possibility of body (or head) contact according to User condition. So Hand H-field Limit was applied to this device.
- 3) An assessment against the Limit for peak spatial-average SAR shall be performed for the EUT when the Limits for Maximum Permissible Exposure are exceeded.

7.3 Peak Spatial-Average SAR Result

Test mode	Test mode	Test position	Test distance (cm)	Measured 1g avg.SAR (W/kg)	1g SAR Limit (W/kg)	Plot No.
Top of DUT	Charging mode (< 99%)	Above DUT	0	0.25	1.6	A4
		Top	0	< 0.1		
		Bottom	0	< 0.1		
		Right	0	< 0.1		
		Left	0	< 0.1		
	Charging mode (< 50%)	Above DUT	0	0.24		
		Top	0	< 0.1		
		Bottom	0	< 0.1		
		Right	0	< 0.1		
		Left	0	< 0.1		
	Charging mode (< 10%)	Above DUT	0	0.12		
		Top	0	0.13		
		Bottom	0	< 0.1		
		Right	0	< 0.1		
		Left	0	< 0.1		
Middle of DUT	Charging mode (< 99%)	Above DUT	0	< 0.1		
		Top	0	< 0.1		
		Bottom	0	< 0.1		
		Right	0	< 0.1		
		Left	0	< 0.1		
	Charging mode (< 50%)	Above DUT	0	< 0.1		
		Top	0	< 0.1		
		Bottom	0	< 0.1		
		Right	0	< 0.1		
		Left	0	< 0.1		
	Charging mode (< 10%)	Above DUT	0	< 0.1		
		Top	0	< 0.1		
		Bottom	0	< 0.1		
		Right	0	< 0.1		
		Left	0	< 0.1		
Bottom of DUT	Charging mode (< 99%)	Above DUT	0	< 0.1		
		Top	0	< 0.1		
		Bottom	0	< 0.1		
		Right	0	< 0.1		
		Left	0	< 0.1		
	Charging mode (< 50%)	Above DUT	0	0.13		
		Top	0	< 0.1		
		Bottom	0	< 0.1		
		Right	0	< 0.1		
		Left	0	< 0.1		
	Charging mode (< 10%)	Above DUT	0	0.18		
		Top	0	< 0.1		
		Bottom	0	< 0.1		
		Right	0	< 0.1		
		Left	0	< 0.1		
N/A	Standby mode	Above DUT	0	< 0.1	1.6	A2

Conclusion:

Based on SPEAG DASY8 Module WPT-MAGPY system, a magneto quasi-static (MQS) simulation is automatically setup to solve for a lossy halfspace Phantom setup. The lossy half-space has muscle tissue dielectric properties ($\sigma = 0.75 \text{ S/m}$, $\rho = 1000 \text{ kg/m}^3$), The induced electric (E-) fields and specific absorption rate (SAR) are assessed with Sim4Life's Quasi-Static EM Solver (P-EM-QS) that the the product is compliance with Peak spatial-average SAR Result < 1.6W/kg.

8. Equipment List

Table 8. Test Equipment Calibration

	Type	Manufacturer	Model	Cal.Date	Next.Cal.Date	S/N
☒	SEMITEC Engineering	SEMITEC	N/A	N/A	N/A	Shield Room
☒	Robot	SPEAG	TX2-90XL	N/A	N/A	F/24/0061586/A/003
☒	Robot Controller	SPEAG	CS8C	N/A	N/A	F/24/0061586/C/003
☒	Joystick	SPEAG	N/A	N/A	N/A	D21144508C
☒	DASY8 HUB2	SPEAG	N/A	N/A	N/A	2006
☒	UniPV1 – Universal Phantom	SPEAG	N/A	N/A	N/A	N/A
☒	Intel Xeon w5-2455X 3.19 GHz Windows 11 Pro	N/A	N/A	N/A	N/A	N/A
☒	Probe Alignment Unit LB	N/A	N/A	N/A	N/A	SE UKS 030 AA
☒	WPT Electric and Magnetic Field Sensor	SPEAG	MAGPy 8H3D+E3D	2026-05-05	2027-05-05	3075
☒		SPEAG	MAGPy DAS	2026-05-05	2027-05-05	3111
☒	WPT System Validation Source	SPEAG	V-Coil350/85	2025-11-14	2026-11-14	1036

9. Measurement Uncertainties

Measurement uncertainty of H-field (3 kHz to 10 MHz)

Error Description	Unc. Value ($\pm$ dB)	Prob. Distr.	Div.	ci	Std. Unc. ($\pm$ dB)
Probe uncertainty					
Amplitude calibration uncertainty	0.35	Normal	1	1	0.35
Probe anisotropy	0.60	Rectangular	1.732	1	0.35
Probe dynamic linearity	0.20	Rectangular	1.732	1	0.12
Probe frequency domain response	0.30	Rectangular	1.732	1	0.17
Probe frequency linear interp. Fit	0.15	Rectangular	1.732	1	0.09
Spatial averaging	0.10	Rectangular	1.732	1	0.06
Parasitic E-field sensitivity	0.10	Rectangular	1.732	1	0.06
Detection limit	0.15	Rectangular	1.732	1	0.09
Readout electronics	0.00	Normal	1	1	0.00
Probe positioning	0.19	Normal	1	1	0.19
Repeatability	0.10	Normal	1	1	0.10
Surface field reconstruction	0.30	Normal	1	1	0.30
Combined Standard Uncertainty ($k = 1$)					0.67
Expanded Uncertainty U, Coverage Factor = 2, > 95 % Confidence =					1.33 (16.6%)

Measurement uncertainty of Incident E-field (3 kHz to 10 MHz)

Error Description	Unc. Value ($\pm$ dB)	Prob. Distr.	Div.	ci	Std. Unc. ($\pm$ dB)
Probe uncertainty					
Amplitude calibration uncertainty	0.53	Normal	1	1	0.53
Probe anisotropy	0.80	Rectangular	1.732	1	0.46
Probe dynamic linearity	1.00	Rectangular	1.732	1	0.58
Probe frequency domain response	0.30	Rectangular	1.732	1	0.17
Probe frequency linear interp. Fit	0.15	Rectangular	1.732	1	0.09
Parasitic H-field sensitivity	0.20	Rectangular	1.732	1	0.12
Detection limit	0.15	Rectangular	1.732	1	0.09
Readout electronics	0.00	Normal	1	1	0.00
Repeatability	0.10	Normal	1	1	0.10
Combined Standard Uncertainty ($k = 1$)					0.95
Expanded Uncertainty U, Coverage Factor = 2, > 95 % Confidence =					1.89 (24.4%)

Measurement uncertainty of Cube Average E_{ind}

Error Description	Unc. Value ($\pm$ dB)	Prob. Distr.	Div.	ci	Std. Unc. ($\pm$ dB)
Probe uncertainty					
Amplitude calibration uncertainty	0.35	Normal	1	1	0.35
Probe anisotropy	0.60	Rectangular	1.732	1	0.35
Probe dynamic linearity	0.20	Rectangular	1.732	1	0.12
Probe frequency domain response	0.30	Rectangular	1.732	1	0.17
Probe frequency linear interp. Fit	0.15	Rectangular	1.732	1	0.09
Spatial averaging	0.10	Rectangular	1.732	1	0.06
Parasitic E-field sensitivity	0.10	Rectangular	1.732	1	0.06
Detection limit	0.15	Rectangular	1.732	1	0.09
Readout electronics	0.00	Normal	1	1	0.00
Probe positioning	0.19	Normal	1	1	0.19
Repeatability	0.10	Normal	1	1	0.10
Surface field reconstruction	0.30	Normal	1	1	0.30
Probe uncertainty					
Grid resolution	0.18	Rectangular	1.732	1	0.10
Tissue parameters	0.00	Rectangular	1.732	1	0.00
Exposure position	0.00	Rectangular	1.732	1	0.00
Source representation	0.24	Normal	1	1	0.24
Convergence and power budget	0.00	Rectangular	1.732	1	0.00
Boundary conditions	0.10	Rectangular	1.732	1	0.06
Phantom loading/backscattering	0.10	Rectangular	1.732	1	0.06
Combined Standard Uncertainty ($k = 1$)					0.72
Expanded Uncertainty U , Coverage Factor = 2, > 95 % Confidence =					1.44 (18.0%)

Measurement uncertainty of Line Average E_{ind}

Error Description	Unc. Value ($\pm$ dB)	Prob. Distr.	Div.	ci	Std. Unc. ($\pm$ dB)
Probe uncertainty					
Amplitude calibration uncertainty	0.35	Normal	1	1	0.35
Probe anisotropy	0.60	Rectangular	1.732	1	0.35
Probe dynamic linearity	0.20	Rectangular	1.732	1	0.12
Probe frequency domain response	0.30	Rectangular	1.732	1	0.17
Probe frequency linear interp. Fit	0.15	Rectangular	1.732	1	0.09
Spatial averaging	0.10	Rectangular	1.732	1	0.06
Parasitic E-field sensitivity	0.10	Rectangular	1.732	1	0.06
Detection limit	0.15	Rectangular	1.732	1	0.09
Readout electronics	0.00	Normal	1	1	0.00
Probe positioning	0.19	Normal	1	1	0.19
Repeatability	0.10	Normal	1	1	0.10
Surface field reconstruction	0.30	Normal	1	1	0.30
Probe uncertainty					
Grid resolution	0.25	Rectangular	1.732	1	0.14
Tissue parameters	0.00	Rectangular	1.732	1	0.00
Exposure position	0.00	Rectangular	1.732	1	0.00
Source representation	0.27	Normal	1	1	0.27
Convergence and power budget	0.00	Rectangular	1.732	1	0.00
Boundary conditions	0.10	Rectangular	1.732	1	0.06
Phantom loading/backscattering	0.10	Rectangular	1.732	1	0.06
Combined Standard Uncertainty ($k = 1$)					0.74
Expanded Uncertainty U , Coverage Factor = 2, > 95 % Confidence =					1.48 (18.5%)

Measurement uncertainty of Local E_{ind}

Error Description	Unc. Value ($\pm$ dB)	Prob. Distr.	Div.	ci	Std. Unc. ($\pm$ dB)
Probe uncertainty					
Amplitude calibration uncertainty	0.35	Normal	1	1	0.35
Probe anisotropy	0.60	Rectangular	1.732	1	0.35
Probe dynamic linearity	0.20	Rectangular	1.732	1	0.12
Probe frequency domain response	0.30	Rectangular	1.732	1	0.17
Probe frequency linear interp. Fit	0.15	Rectangular	1.732	1	0.09
Spatial averaging	0.10	Rectangular	1.732	1	0.06
Parasitic E-field sensitivity	0.10	Rectangular	1.732	1	0.06
Detection limit	0.15	Rectangular	1.732	1	0.09
Readout electronics	0.00	Normal	1	1	0.00
Probe positioning	0.19	Normal	1	1	0.19
Repeatability	0.10	Normal	1	1	0.10
Surface field reconstruction	0.30	Normal	1	1	0.30
Probe uncertainty					
Grid resolution	0.09	Rectangular	1.732	1	0.05
Tissue parameters	0.00	Rectangular	1.732	1	0.00
Exposure position	0.00	Rectangular	1.732	1	0.00
Source representation	0.27	Normal	1	1	0.27
Convergence and power budget	0.00	Rectangular	1.732	1	0.00
Boundary conditions	0.10	Rectangular	1.732	1	0.06
Phantom loading/backscattering	0.10	Rectangular	1.732	1	0.06
Combined Standard Uncertainty ($k = 1$)					0.73
Expanded Uncertainty U , Coverage Factor = 2, > 95 % Confidence =					1.45 (18.2%)

Measurement uncertainty of Peak 1 cm² Area Average J_{ind}

Error Description	Unc. Value (± dB)	Prob. Distr.	Div.	ci	Std. Unc. (± dB)
Probe uncertainty					
Amplitude calibration uncertainty	0.35	Normal	1	1	0.35
Probe anisotropy	0.60	Rectangular	1.732	1	0.35
Probe dynamic linearity	0.20	Rectangular	1.732	1	0.12
Probe frequency domain response	0.30	Rectangular	1.732	1	0.17
Probe frequency linear interp. Fit	0.15	Rectangular	1.732	1	0.09
Spatial averaging	0.10	Rectangular	1.732	1	0.06
Parasitic E-field sensitivity	0.10	Rectangular	1.732	1	0.06
Detection limit	0.15	Rectangular	1.732	1	0.09
Readout electronics	0.00	Normal	1	1	0.00
Probe positioning	0.19	Normal	1	1	0.19
Repeatability	0.10	Normal	1	1	0.10
Surface field reconstruction	0.30	Normal	1	1	0.30
Probe uncertainty					
Grid resolution	0.12	Rectangular	1.732	1	0.07
Tissue parameters	0.00	Rectangular	1.732	1	0.00
Exposure position	0.00	Rectangular	1.732	1	0.00
Source representation	0.10	Normal	1	1	0.10
Convergence and power budget	0.00	Rectangular	1.732	1	0.00
Boundary conditions	0.10	Rectangular	1.732	1	0.06
Phantom loading/backscattering	0.10	Rectangular	1.732	1	0.06
Combined Standard Uncertainty (k = 1)					0.68
Expanded Uncertainty U, Coverage Factor = 2, > 95 % Confidence =					1.36 (17.0%)

Measurement uncertainty of psSAR 1g

Error Description	Unc. Value (± dB)	Prob. Distr.	Div.	ci	Std. Unc. (± dB)
Probe uncertainty					
Amplitude calibration uncertainty	0.35	Normal	1	1	0.35
Probe anisotropy	0.60	Rectangular	1.732	1	0.35
Probe dynamic linearity	0.20	Rectangular	1.732	1	0.12
Probe frequency domain response	0.30	Rectangular	1.732	1	0.17
Probe frequency linear interp. Fit	0.15	Rectangular	1.732	1	0.09
Spatial averaging	0.10	Rectangular	1.732	1	0.06
Parasitic E-field sensitivity	0.10	Rectangular	1.732	1	0.06
Detection limit	0.15	Rectangular	1.732	1	0.09
Readout electronics	0.00	Normal	1	1	0.00
Probe positioning	0.19	Normal	1	1	0.19
Repeatability	0.10	Normal	1	1	0.10
Surface field reconstruction	0.20	Normal	1	1	0.20
Probe uncertainty					
Grid resolution	0.02	Rectangular	1.732	1	0.01
Tissue parameters	0.00	Rectangular	1.732	1	0.00
Exposure position	0.00	Rectangular	1.732	1	0.00
Source representation	0.09	Normal	1	1	0.09
Convergence and power budget	0.00	Rectangular	1.732	1	0.00
Boundary conditions	0.10	Rectangular	1.732	1	0.06
Phantom loading/backscattering	0.10	Rectangular	1.732	1	0.06
Combined Standard Uncertainty (k = 1)					0.63
Expanded Uncertainty U, Coverage Factor = 2, > 95 % Confidence =					1.27 (33.9%)

Measurement uncertainty of psSAR 10g

Error Description	Unc. Value (± dB)	Prob. Distr.	Div.	ci	Std. Unc. (± dB)
Probe uncertainty					
Amplitude calibration uncertainty	0.35	Normal	1	1	0.35
Probe anisotropy	0.60	Rectangular	1.732	1	0.35
Probe dynamic linearity	0.20	Rectangular	1.732	1	0.12
Probe frequency domain response	0.30	Rectangular	1.732	1	0.17
Probe frequency linear interp. Fit	0.15	Rectangular	1.732	1	0.09
Spatial averaging	0.10	Rectangular	1.732	1	0.06
Parasitic E-field sensitivity	0.10	Rectangular	1.732	1	0.06
Detection limit	0.15	Rectangular	1.732	1	0.09
Readout electronics	0.00	Normal	1	1	0.00
Probe positioning	0.19	Normal	1	1	0.19
Repeatability	0.10	Normal	1	1	0.10
Surface field reconstruction	0.20	Normal	1	1	0.20
Probe uncertainty					
Grid resolution	0.00	Rectangular	1.732	1	0.00
Tissue parameters	0.00	Rectangular	1.732	1	0.00
Exposure position	0.00	Rectangular	1.732	1	0.00
Source representation	0.04	Normal	1	1	0.04
Convergence and power budget	0.00	Rectangular	1.732	1	0.00
Boundary conditions	0.10	Rectangular	1.732	1	0.06
Phantom loading/backscattering	0.10	Rectangular	1.732	1	0.06
Combined Standard Uncertainty (k = 1)					0.63
Expanded Uncertainty U, Coverage Factor = 2, > 95 % Confidence =					1.25 (33.4%)

APPENDIX A. – Probe Calibration Data

Calibration Laboratory ofSchmid & Partner
Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland

**S** Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
S Servizio svizzero di taratura
S Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

Client

Dt&C

Gyeonggi-do, Republic of Korea

Certificate No.

MAGPy-8H3D-3075_May26**CALIBRATION CERTIFICATE**

Object

MAGPy-8H3D+E3DV2 SN:3075
MAGPy-DASV2 SN:3111

Calibration procedure(s)

QA CAL-46.v4
Calibration Procedure for MAGPy
Near-field Electric and Magnetic Field Sensor System

Calibration date

May 05, 2026

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature $(22 \pm 3)^{\circ}\text{C}$ and humidity $< 70\%$.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Oscilloscope	SN: 112135	15-Aug-25 (No. 4030A315010970)	Aug-27
Reference 20 dB Attenuator	SN: MY61372120	26-Mar-26 (No. 2026-005591)	Mar-27
Type-N mismatch	SN: L1119	26-Mar-26 (No. 2026-005592)	Mar-27

Secondary Standards	ID	Check Date (in house)	Scheduled Check
Network Analyzer E5061B	SN: MY49810822	In house check: Nov-25	In house check: Nov-26
TEM Cell	SN: S6029i	In house check: Nov-25	In house check: Nov-26
Plate Capacitor	SN: 6028i	In house check: Nov-25	In house check: Nov-26
Resonator (160kHz)	SN: 6030i	In house check: Nov-25	In house check: Nov-26

Calibrated by

Name

Krešimir Franjić

Function

Laboratory Technician

Signature

Approved by

Sven Kühn

Technical Manager

Issued: May 06, 2026

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

Calibration Laboratory ofSchmid & Partner
Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland



S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
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Accreditation No.: SCS 0108

Glossary

MAGPy-8H3D-E3D Magnetic Amplitude and Gradient Probe – Eight H-field Sensors, Single E-field sensor
MAGPy-DAS Magnetic Amplitude and Gradient Data Acquisition System

Calibration is Performed According to the Following Standards:

- a) IEEE Std 1309-2013, "IEEE Standard for calibration of electromagnetic field sensors and probes, excluding antennas, from 9 kHz to 40 GHz", November 2013

Methods Applied and Interpretation of Parameters

- Calibration has been performed after the adjustment of the device.
- *Linearity*: Calibration of the linearity of the field reading over the specified dynamic range at 161.75 kHz. Influence of offset voltage is included in this measurement.
- *Frequency response*: Calibration of the field reading over the specified frequency range from 3.0 kHz to 10.0 MHz.
- Receiving Pattern: Assessed for H-field polarizations ϑ , and $\phi = 0^\circ \dots 360^\circ$; $\vartheta = 90^\circ$, and $\phi = 0^\circ \dots 360^\circ$; for the XYZ sensors (in TEM-Cell at 4 kHz, 40 kHz, 400 kHz and 4 MHz).
- Receiving Pattern: Assessed for E-field polarizations ϑ , and $\phi = 0^\circ \dots 360^\circ$; $\vartheta = 90^\circ$, and $\phi = 0^\circ \dots 360^\circ$; for the XYZ sensor (in parallel plate capacitor at 4 kHz, 40 kHz, 400 kHz and 4 MHz).

Calibration Uncertainty

The calibration uncertainty is 0.7 dB for the H-field readings and 1.06 dB for the E-field readings. The calibration uncertainty is specified over the frequency range from 3.0 kHz to 10.0 MHz and a dynamic range from 0.1 A/m to 3200 A/m and from 0.08 V/m to 2000 V/m respectively.

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor $k=2$, which for a normal distribution corresponds to a coverage probability of approximately 95%.

MAGPy-8H3D+E3DV2 SN:3075
MAGPy-DASV2 SN:3111

May 05, 2026

Measurement Conditions

Unit Type	MAGPy-8H3D+E3DV2 (SP MGY 303 AA)	3075
	MAGPy-DASV2 (SE UMS 303 AE)	3111
	MAGPy FPGA Board	WP000265
Adjustment Date	Last MAGPy Adjustment	May 05, 2026
Firmware SW Version	MAGPy Firmware	Ver. 1.00
Backend SW Version	MAGPy Backend	Ver. 1.0.2
Calibration SW Version	MAGACAP	Ver. 1.0

Dynamic Range

Dynamic Range, H-field, Channel 0

H-field/(A/m) Applied			H-field/(A/m) Reading			Difference/(dB)			Tolerance/(dB)
x	y	z	x	y	z	x	y	z	
0.400	0.380	0.370	0.400	0.380	0.390	0.00	0.00	0.46	±1.00
0.540	0.520	0.510	0.520	0.510	0.530	-0.33	-0.17	0.33	±1.00
0.740	0.710	0.690	0.730	0.710	0.710	-0.12	0.00	0.25	±1.00
0.960	0.920	0.900	0.970	0.940	0.910	0.09	0.19	0.10	±1.00
1.30	1.25	1.22	1.32	1.26	1.22	0.13	0.07	0.00	±1.00
1.79	1.71	1.68	1.79	1.73	1.69	0.00	0.10	0.05	±1.00
2.38	2.28	2.23	2.38	2.31	2.26	0.00	0.11	0.12	±0.20
3.19	3.06	2.99	3.19	3.08	2.99	0.00	0.06	0.00	±0.20
4.33	4.15	4.05	4.34	4.16	4.06	0.02	0.02	0.02	±0.20
5.85	5.61	5.48	5.86	5.65	5.49	0.01	0.06	0.02	±0.20
7.89	7.57	7.38	7.88	7.59	7.37	-0.01	0.02	-0.01	±0.20
10.5	10.1	9.84	10.5	10.1	9.86	0.00	0.00	0.02	±0.20
14.2	13.6	13.3	14.2	13.7	13.3	0.00	0.06	0.00	±0.20
19.1	18.4	17.9	19.1	18.4	17.9	0.00	0.00	0.00	±0.20
25.8	24.9	24.1	25.8	24.9	24.2	0.00	0.00	0.04	±0.20
34.5	33.2	32.3	34.6	33.4	32.4	0.03	0.05	0.03	±0.20
46.5	44.9	43.6	46.7	45.1	43.8	0.04	0.04	0.04	±0.20
63.0	60.9	59.0	63.3	61.2	59.3	0.04	0.04	0.04	±0.20
86.5	83.8	81.1	86.2	83.5	80.8	-0.03	-0.03	-0.03	±0.20
113	110	106	113	109	106	0.00	-0.08	0.00	±0.20
156	151	146	155	150	145	-0.06	-0.06	-0.06	±0.20
216	209	202	215	209	201	-0.04	0.00	-0.04	±0.20
298	290	279	300	285	281	0.06	-0.15	0.06	±0.20
440	429	413	432	423	406	-0.16	-0.12	-0.15	±0.20
607	592	570	601	589	564	-0.09	-0.04	-0.09	±0.20
907	885	851	907	889	852	0.00	0.04	0.01	±0.20
1370	1340	1290	1390	1370	1310	0.13	0.19	0.13	±0.30
1880	1830	1760	1920	1890	1810	0.18	0.28	0.24	±0.30
3040	2970	2860	3140	3090	2960	0.28	0.34	0.30	±0.50
3580	3500	3380	3730	3660	3510	0.36	0.39	0.33	±0.50

SPEAG H-field linearity tolerance criteria¹:

- ±1.0dB for applied H-fields < 2.0 A/m
- ±0.2dB for applied H-fields ≥ 2.0 A/m and < 1000 A/m
- ±0.3dB for applied H-fields ≥ 1000 A/m and < 2000 A/m
- ±0.4dB for applied H-fields ≥ 2000 A/m and < 3000 A/m
- ±0.5dB for applied H-fields ≥ 3000 A/m

¹ Calibration uncertainty not taken into account (shared risk 50%).

MAGPy-8H3D+E3DV2 SN:3075
MAGPy-DASV2 SN:3111

May 05, 2026

Dynamic Range, H-field, Channel 1

H-field/(A/m) Applied			H-field/(A/m) Reading			Difference/(dB)			Tolerance/(dB)
x	y	z	x	y	z	x	y	z	
0.400	0.380	0.380	0.420	0.410	0.410	0.42	0.66	0.66	±1.00
0.540	0.520	0.520	0.550	0.540	0.550	0.16	0.33	0.49	±1.00
0.740	0.720	0.720	0.730	0.710	0.730	-0.12	-0.12	0.12	±1.00
0.970	0.940	0.930	0.960	0.930	0.930	-0.09	-0.09	0.00	±1.00
1.31	1.26	1.26	1.31	1.28	1.25	0.00	0.14	-0.07	±1.00
1.80	1.73	1.73	1.82	1.75	1.73	0.10	0.10	0.00	±1.00
2.40	2.31	2.30	2.40	2.34	2.29	0.00	0.11	-0.04	±0.20
3.21	3.10	3.08	3.21	3.10	3.08	0.00	0.00	0.00	±0.20
4.36	4.20	4.18	4.38	4.21	4.19	0.04	0.02	0.02	±0.20
5.89	5.68	5.65	5.95	5.70	5.66	0.09	0.03	0.02	±0.20
7.94	7.66	7.61	7.99	7.67	7.61	0.05	0.01	0.00	±0.20
10.6	10.2	10.2	10.6	10.2	10.2	0.00	0.00	0.00	±0.20
14.3	13.8	13.7	14.3	13.8	13.7	0.00	0.00	0.00	±0.20
19.2	18.6	18.4	19.3	18.6	18.4	0.05	0.00	0.00	±0.20
26.0	25.1	24.9	26.0	25.2	24.9	0.00	0.03	0.00	±0.20
34.7	33.6	33.2	34.9	33.8	33.4	0.05	0.05	0.05	±0.20
46.8	45.4	44.9	47.0	45.7	45.2	0.04	0.06	0.06	±0.20
63.4	61.6	60.8	63.8	62.0	61.2	0.05	0.06	0.06	±0.20
87.1	84.8	83.6	86.8	84.4	83.2	-0.03	-0.04	-0.04	±0.20
114	111	109	113	111	109	-0.08	0.00	0.00	±0.20
157	153	150	156	152	150	-0.06	-0.06	0.00	±0.20
217	212	208	216	211	208	-0.04	-0.04	0.00	±0.20
300	294	288	302	288	289	0.06	-0.18	0.03	±0.20
443	434	426	435	428	418	-0.16	-0.12	-0.16	±0.20
611	600	587	605	596	581	-0.09	-0.06	-0.09	±0.20
913	896	878	912	899	878	-0.01	0.03	0.00	±0.20
1380	1360	1330	1400	1380	1350	0.12	0.13	0.13	±0.30
1890	1860	1820	1930	1910	1860	0.18	0.23	0.19	±0.30
3060	3000	2950	3160	3120	3050	0.28	0.34	0.29	±0.50
3610	3540	3480	3750	3700	3620	0.33	0.38	0.34	±0.50

SPEAG H-field linearity tolerance criteria¹:

- ±1.0dB for applied H-fields < 2.0 A/m
- ±0.2dB for applied H-fields ≥ 2.0 A/m and < 1000 A/m
- ±0.3dB for applied H-fields ≥ 1000 A/m and < 2000 A/m
- ±0.4dB for applied H-fields ≥ 2000 A/m and < 3000 A/m
- ±0.5dB for applied H-fields ≥ 3000 A/m

¹ Calibration uncertainty not taken into account (shared risk 50%).

MAGPy-8H3D+E3DV2 SN:3075
MAGPy-DASV2 SN:3111

May 05, 2026

Dynamic Range, H-field, Channel 2

H-field/(A/m) Applied			H-field/(A/m) Reading			Difference/(dB)			Tolerance/(dB)
x	y	z	x	y	z	x	y	z	
0.390	0.380	0.380	0.420	0.390	0.400	0.64	0.23	0.45	±1.00
0.540	0.520	0.520	0.560	0.520	0.540	0.32	0.00	0.33	±1.00
0.730	0.720	0.710	0.720	0.710	0.740	-0.12	-0.12	0.36	±1.00
0.960	0.930	0.930	0.950	0.930	0.950	-0.09	0.00	0.18	±1.00
1.29	1.26	1.25	1.30	1.27	1.27	0.07	0.07	0.14	±1.00
1.78	1.73	1.72	1.79	1.75	1.74	0.05	0.10	0.10	±1.00
2.37	2.31	2.29	2.39	2.32	2.34	0.07	0.04	0.19	±0.20
3.17	3.09	3.07	3.17	3.10	3.09	0.00	0.03	0.06	±0.20
4.30	4.20	4.16	4.31	4.20	4.21	0.02	0.00	0.10	±0.20
5.81	5.67	5.63	5.82	5.69	5.66	0.01	0.03	0.05	±0.20
7.83	7.65	7.58	7.84	7.67	7.60	0.01	0.02	0.02	±0.20
10.4	10.2	10.1	10.5	10.2	10.2	0.08	0.00	0.09	±0.20
14.1	13.8	13.7	14.1	13.8	13.7	0.00	0.00	0.00	±0.20
19.0	18.6	18.4	19.0	18.6	18.4	0.00	0.00	0.00	±0.20
25.6	25.1	24.8	25.6	25.2	24.9	0.00	0.03	0.03	±0.20
34.2	33.6	33.1	34.4	33.7	33.3	0.05	0.03	0.05	±0.20
46.2	45.4	44.7	46.4	45.6	45.0	0.04	0.04	0.06	±0.20
62.5	61.5	60.6	62.9	61.8	60.9	0.06	0.04	0.04	±0.20
85.9	84.6	83.3	85.5	84.3	82.9	-0.04	-0.03	-0.04	±0.20
112	111	109	112	110	108	0.00	-0.08	-0.08	±0.20
154	152	150	154	152	149	0.00	0.00	-0.06	±0.20
214	212	207	213	211	207	-0.04	-0.04	0.00	±0.20
296	293	287	298	288	288	0.06	-0.15	0.03	±0.20
437	433	424	429	428	417	-0.16	-0.10	-0.14	±0.20
603	599	585	596	595	579	-0.10	-0.06	-0.09	±0.20
900	895	874	900	899	876	0.00	0.04	0.02	±0.20
1360	1360	1330	1380	1360	1350	0.13	0.13	0.13	±0.30
1860	1850	1810	1910	1910	1850	0.23	0.28	0.19	±0.30
3010	3000	2930	3120	3120	3040	0.31	0.34	0.32	±0.50
3560	3530	3470	3700	3700	3610	0.34	0.41	0.34	±0.50

SPEAG H-field linearity tolerance criteria¹:

- ±1.0dB for applied H-fields < 2.0A/m
- ±0.2dB for applied H-fields ≥ 2.0A/m and < 1000A/m
- ±0.3dB for applied H-fields ≥ 1000A/m and < 2000A/m
- ±0.4dB for applied H-fields ≥ 2000A/m and < 3000A/m
- ±0.5dB for applied H-fields ≥ 3000A/m

¹ Calibration uncertainty not taken into account (shared risk 50%).

MAGPy-8H3D+E3DV2 SN:3075
MAGPy-DASV2 SN:3111

May 05, 2026

Dynamic Range, H-field, Channel 3

H-field/(A/m) Applied			H-field/(A/m) Reading			Difference/(dB)			Tolerance/(dB)
x	y	z	x	y	z	x	y	z	
0.390	0.380	0.380	0.400	0.410	0.390	0.22	0.66	0.23	±1.00
0.530	0.520	0.520	0.520	0.530	0.520	-0.17	0.17	0.00	±1.00
0.730	0.710	0.710	0.720	0.720	0.710	-0.12	0.12	0.00	±1.00
0.950	0.930	0.920	0.950	0.930	0.920	0.00	0.00	0.00	±1.00
1.29	1.25	1.25	1.30	1.28	1.26	0.07	0.21	0.07	±1.00
1.77	1.72	1.71	1.77	1.73	1.71	0.00	0.05	0.00	±1.00
2.36	2.29	2.28	2.36	2.31	2.29	0.00	0.08	0.04	±0.20
3.15	3.06	3.05	3.15	3.08	3.05	0.00	0.06	0.00	±0.20
4.28	4.16	4.14	4.29	4.17	4.15	0.02	0.02	0.02	±0.20
5.78	5.62	5.60	5.79	5.65	5.61	0.02	0.05	0.02	±0.20
7.80	7.58	7.54	7.79	7.59	7.54	-0.01	0.01	0.00	±0.20
10.4	10.1	10.1	10.4	10.2	10.1	0.00	0.09	0.00	±0.20
14.0	13.7	13.6	14.0	13.7	13.6	0.00	0.00	0.00	±0.20
18.9	18.4	18.3	18.9	18.5	18.4	0.00	0.05	0.05	±0.20
25.5	24.9	24.7	25.5	25.0	24.8	0.00	0.03	0.04	±0.20
34.1	33.3	33.0	34.2	33.5	33.1	0.03	0.05	0.03	±0.20
46.0	45.0	44.5	46.2	45.2	44.8	0.04	0.04	0.06	±0.20
62.2	61.0	60.3	62.6	61.3	60.6	0.06	0.04	0.04	±0.20
85.5	83.9	82.9	85.2	83.5	82.5	-0.03	-0.04	-0.04	±0.20
112	110	108	111	109	108	-0.08	-0.08	0.00	±0.20
154	151	149	153	151	148	-0.06	0.00	-0.06	±0.20
213	210	206	213	209	206	0.00	-0.04	0.00	±0.20
295	291	286	296	285	287	0.03	-0.18	0.03	±0.20
435	430	422	427	423	415	-0.16	-0.14	-0.15	±0.20
600	593	582	594	589	577	-0.09	-0.06	-0.07	±0.20
896	887	870	896	889	871	0.00	0.02	0.01	±0.20
1360	1350	1320	1380	1370	1340	0.13	0.13	0.13	±0.30
1850	1840	1800	1900	1880	1850	0.23	0.19	0.24	±0.30
3000	2970	2920	3110	3070	3030	0.31	0.29	0.32	±0.50
3540	3500	3450	3690	3620	3590	0.36	0.29	0.35	±0.50

SPEAG H-field linearity tolerance criteria¹:

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- ±0.4dB for applied H-fields ≥ 2000 A/m and < 3000 A/m
- ±0.5dB for applied H-fields ≥ 3000 A/m

¹ Calibration uncertainty not taken into account (shared risk 50%).