

Assessment Report

Test report no.: 25091954-49401-0

Date of issue: 2026-03-17

Test result: The test item - **passed** - and **complies** with the listed standards.

Applicant

Molex Technologies GmbH

Manufacturer

Same as applicant

Test Item

WCH-402A

MPE Assessment according to:

FCC 47 CFR Part 15

Radio frequency devices

Parts 1.1307, 1.1310, 2.1091, 2.1093

Tested by
(name, function, signature)

Andreas Bender
Deputy Managing Director



Approved by
(name, function, signature)

Sebastian Janoschka
Head of Department RF



Sebastian Janoschka (Mar 18, 2026 10:23:35 GMT+1)

Applicant and Test item details	
Applicant	Molex Technologies GmbH (Mizarstrasse 3, 12529 Schoenefeld)
Manufacturer	Same as applicant
Factory Site	MOLEX DE MEXICO, S.A. DE C.V. Productividad Oriente 305, Parque Industrial Guadalajara/Km 7 a Chapala, 45690 El Salto, Jalisco
Test item description	Wireless Charger Module (WCM)
Model/Type reference	WCH-402A
Standard specific information	
Frequency	127.55 kHz, 130.55 kHz, 360 kHz
Technology	Qi
Antenna	Integral inductive loop coils (no customization allowed)
Power supply	Vmin: 9.0 Vdc, Vnom: 13.5 Vdc, Vmax: 16.0 Vdc
Temperature range	-40 ~ +85°C / (WPT +60 °C)
FCC ID	RK7WCH-402

Disclaimer and Notes

The content of this report relates to the mentioned test sample(s) only.

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Within this test report, a ☒ point / □ comma is used as a decimal separator.

If otherwise, a detailed note is added adjoined to its use.

Decision rule:

Decision rule based on simple acceptance without guard bands, binary statement, based on mutually agreed uncertainty tolerances with expansion factor k=2, and

Decision rule based on guard bands, binary statement, uncertainty tolerances with expansion factor k=2.

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2 GENERAL INFORMATION

2.1 Administrative details

Testing laboratory	IBL-Lab GmbH Heinrich-Hertz-Allee 7 66386 St. Ingbert / Germany Fon: +49 6894 38938-0 Fax: +49 6894 38938-99 URL: http://ib-lenhardt.com/ E-Mail: info@ib-lenhardt.com
Accreditation / Designation	The testing laboratory is accredited by Deutsche Akkreditierungsstelle GmbH (DAkkS) in compliance with DIN EN ISO/IEC 17025:2018. Scope of testing and registration number: • Attachment to the accreditation certificate D-PL-21375-01-00 ○ Electronics ○ Electromagnetic Compatibility ○ Radio ○ Electromagnetic Compatibility and Telecommunication (FCC requirements) ○ Telecommunication (TC) and Electromagnetic Compatibility (EMC) for Canadian Standards ○ Automotive EMC Website DAkkS: https://www.dakks.de/ The Deutsche Akkreditierungsstelle GmbH (DAkkS) is also a signatory to the ILAC Mutual Recognition Arrangement. • Designations ○ FCC Testing Laboratory Designation Number DE0024 ○ ISED ISED Company Number 27156 Testing Laboratory CAB Identifier DE0020 ○ Krafftahrt-Bundesamt KBA-P 00120-23
Testing location	IBL-Lab GmbH Heinrich-Hertz-Allee 7 66386 St. Ingbert / Germany
Date of receipt of test samples	2026-02-10
Start – End of tests	2026-02-10 – 2026-02-13

2.2 Possible test case verdicts

Test sample meets the requirements	P (PASS)
Test sample does not meet the requirements	F (FAIL)
Requirement does not apply to the test sample	N/A (Not applicable)
Requirement not performed	N/P (Not performed)
Requirement not available	N/V (Not available)

2.3 Observations

No additional observations other than the reported observations within this test report have been made.

2.4 Opinions and Interpretations

No additional appropriate opinions or interpretations according ISO/IEC 17025:2017 clause 7.8.7 are within this test report.

2.5 Document History**-0 Initial Version**

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3 ENVIRONMENTAL & TEST CONDITIONS

3.1 Environmental conditions of test lab

Temperature	25°C ± 5°C
Relative humidity	25-75% r.H.
Barometric Pressure	860-1060 mbar
Power supply	230/400 V AC 50Hz

4 TEST STANDARDS AND REFERENCES

Test standard (accredited)	Description
FCC 47 CFR Part 15	RADIO FREQUENCY DEVICES
IEC/IEEE 62209-1528	Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Part 1528: Human models, instrumentation, and procedures (Frequency range of 4 MHz to 10 GHz)
IEC 62311:2019	Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz to 300 GHz)

Test standard (not accredited)	Description
-	-

Reference	Description
KDB 447498 D04 Interim General RF Exposure Guidance v01	RF Exposure Procedures and Equipment Authorization Policies for Mobile and Portable Devices
KDB 680106 D01 Wireless Power Transfer v04	EQUIPMENT AUTHORIZATION OF WIRELESS POWER TRANSFER DEVICES
FCC 47 CFR Part 1.1307(b)	Actions that may have a significant environmental effect, for which Environmental Assessments (EAs) must be prepared.
FCC 47 CFR Part 1.1310	Radiofrequency radiation exposure limits.
FCC 47 CFR Part 2.1091	Radiofrequency radiation exposure evaluation: mobile devices.
FCC 47 CFR Part 2.1093	Radiofrequency radiation exposure evaluation: portable devices.

5 EQUIPMENT UNDER TEST (EUT)

5.1 Product description

Wireless Charger Module (WCM)

5.2 Description of test item

Model name*	WCH-402A
Serial number*	VU5T-19J235-BA / K7EDB / 253022 F 0590
Hardware version*	03.03
Software version*	15.06.006
*: as declared by applicant	

5.3 Operational modes - RSS-102.NS.MEAS – Chapter 4.3.4

OP 1*	BPP mode: 127.55 kHz, 5 W
OP 2*	EPP mode: 130.55 kHz, 15 W
OP 3*	MPP mode: 360 kHz, 15 W
*: as declared by applicant	

5.4 Additional information

Parameters declared by the manufacturer:

The declared maximum output powers including tune-up tolerances are used with regard to the maximum antenna gains to find the maximum EIRP and ERP values.

Type	Band [kHz]	Simultaneous transmission	Max. EIRP (average) [dBm]
Qi	127 - 360	N/A	-19.0
Qi	127 - 360	N/A	-27.5
Qi	127 - 360	N/A	-38.0

Measurements of power levels and declared antenna gains detailed in this test report and were taken from the following RF module test report(s). EUT test information such as test equipment used, date of actual test, environmental conditions, measurement uncertainty and the person who performed the original tests are referenced in the listed test report/s.

Type	Test Report	Radio Standard	Issued by	Band [kHz]	RF output Power + Antenna Gain (average) EIRP [dBm]	ERP [dBm]	P.
Qi	LAB-1796A (v2.0)	CFR 47, FCC Part 15C	Molex CVS Lab, DE0017	127.704 kHz (BPP)	(74.441 dBμV/m peak @ 3m) Calculated: -20.81 dBm	-22.96	16
Qi	LAB-1796A (v2.0)	CFR 47, FCC Part 15C	Molex CVS Lab, DE0017	130.524 kHz (EPP)	(65.784 dBμV/m peak @ 3m) Calculated: -29.47 dBm	-31.62	22
Qi	LAB-1796A (v2.0)	CFR 47, FCC Part 15C	Molex CVS Lab, DE0017	360.00 kHz (MPP)	(55.695 dBμV/m peak @ 3m) Calculated: -39.56 dBm	-41.71	24

Note:

Peak measurements are assumed as worst case average.

Type: WCH-402a

HW Version: 03.03

SW Version: 15.06.004

6 MPE ASSESSMENT REQUIREMENTS

6.1 FCC 47 CFR

6.1.1 FCC 47 CFR Part 1.1307 (b)(3) - Determine that they qualify for an exemption

(i) For single RF sources (i.e., any single fixed RF source, mobile device, or portable device, as defined in paragraph (b)(2) of this section): A single RF source is exempt if:

(A) The available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption may not be used in conjunction with other exemption criteria other than those in paragraph (b)(3)(ii)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(ii)(A);

(B) Or the available maximum time-averaged power or effective radiated power (ERP), whichever is greater, is less than or equal to the threshold P_{th} (mW) described in the following formula. This method shall only be used at separation distances (cm) from 0.5 centimeters to 40 centimeters and at frequencies from 0.3 GHz to 6 GHz (inclusive). P_{th} is given by:

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases}$$

Where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right) \text{ and } f \text{ is in GHz;}$$

and

$$ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases}$$

d = the separation distance (cm);

(C) Or using Table 1 and the minimum separation distance (R in meters) from the body of a nearby person for the frequency (f in MHz) at which the source operates, the ERP (watts) is no more than the calculated value prescribed for that frequency. For the exemption in Table 1 to apply, R must be at least $\lambda/2\pi$, where λ is the free-space operating wavelength in meters. If the ERP of a single RF source is not easily obtained, then the available maximum time-averaged power may be used in lieu of ERP if the physical dimensions of the radiating structure(s) do not exceed the electrical length of $\lambda/4$ or if the antenna gain is less than that of a half-wave dipole (1.64 linear value).

RF Source frequency (MHz)	Threshold ERP (watts)
0.3 – 1.34	$1,920 R^2$
1.34 – 30	$3,450 R^2/f^2$
30 - 300	$3.83 R^2$
300 – 1,500	$0.0128 R^2 f$
1,500 – 100,000	$19.2 R^2$

6.1.2 FCC 47 CFR Part 1.1310 Radiofrequency radiation exposure limits.

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	N/A	N/A	f/300	6
1,500 – 100,000	N/A	N/A	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	N/A	N/A	f/1500	30
1,500 – 100,000	N/A	N/A	1.0	30

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

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Frequency range ^a	FCC Rules	OET Equipment Authorization Policies
≤ 100 kHz	N/A (under consideration) ^c	All devices assessed case-by-case, with field strength limits of E = 83 V/m and H = 90 A/m, in all body exposure relevant positions
100 kHz < f ≤ 300 kHz ^b	SAR limits in § 1.1310 (b), (c)	MPE limits at 300 kHz in Table 1 to § 1.1310(e)(1): E = 614 V/m and H = 1.63 A/m
300 kHz < f ≤ 4 MHz ^b	§ 2.1091 Mobile Devices: MPE limits in Table 1 to § 1.1310(e)(1)	MPE limits in Table 1 to § 1.1310(e)(1)
	§ 2.1093 Portable Devices: SAR limits in § 1.1310 (b), (c)	

^a = For all f ≤ 6 GHz, SAR limits in §§ 1.1310 (b), (c) can always be applied where available, in place of MPE limits

^b = Policies for 100 kHz < f ≤ 4 MHz reflect capabilities of available SAR measurement equipment. Numerical simulations may be also acceptable, under PAG

^c = NPRM, ET Docket No. 19-226; FCC 19-126, 34 FCC Rcd 11743

6.1.3 FCC 47 CFR Part 2.1091 Radiofrequency radiation exposure evaluation: mobile devices.

(a) Requirements of this section are a consequence of Commission responsibilities under the National Environmental Policy Act to evaluate the environmental significance of its actions. See subpart I of part 1 of this chapter, in particular § 1.1307(b), chapter (6.1.2).

(b) For purposes of this section, the definitions in § 1.1307(b)(2) of this chapter shall apply. A mobile device is defined as a transmitting device designed to be used in other than fixed locations and to generally be used in such a way that a separation distance of at least **20 centimeters** is normally maintained between the RF source's radiating structure(s) and the body of the user or nearby persons. In this context, the term **"fixed location"** means that the device is physically secured at one location and is not able to be easily moved to another location while transmitting. Transmitting devices designed to be used by consumers or workers that can be easily re-located, such as wireless devices associated with a personal desktop computer, are considered to be **mobile devices** if they meet the **20-centimeter** separation requirement.

(c)(1) Evaluation of compliance with the exposure limits in § 1.1310 of this chapter, and preparation of an EA if the limits are exceeded, is necessary for mobile devices with single RF sources having either more than an available maximum time-averaged power of **1 mW** or more than the ERP listed in Table 1 to § 1.1307(b)(3)(i)(C), whichever is greater. For mobile devices not exempt by § 1.1307(b)(3)(i)(C) at distances from **20 centimeters** to **40 centimeters** and frequencies from **0.3 GHz to 6 GHz**, evaluation of compliance with the exposure limits in § 1.1310 of this chapter is necessary if the ERP of the device is greater than ERP_{20cm} in the formula below. If the ERP of a single RF source at distances from **20 centimeters** to **40 centimeters** and frequencies from **0.3 GHz to 6 GHz** is not easily obtained, then the available maximum time-averaged power may be used (*i.e.*, without consideration of ERP) in comparison with the following formula only if the physical dimensions of the radiating structure(s) do not exceed the electrical length of $\lambda/4$ or if the antenna gain is less than that of a half-wave dipole (1.64 linear value).

$$P_{th} (mW) = ERP_{20 cm} (mW) = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases}$$

(c)(2) For multiple mobile or portable RF sources within a device operating in the same time averaging period, routine environmental evaluation is required if the formula in § 1.1307(b)(3)(ii)(B) of this chapter is applied to determine the exemption ratio and the result is greater than 1.

(c)(3) Unless otherwise specified in this chapter, any other single mobile or multiple mobile and portable RF source(s) associated with a device is exempt from routine environmental evaluation for RF exposure prior to equipment authorization or use, except as specified in § 1.1307(c) and (d) of this chapter.

6.1.4 FCC 47 CFR Part 2.1093 Radiofrequency radiation exposure evaluation: portable devices.

(a) Requirements of this section are a consequence of Commission responsibilities under the National Environmental Policy Act to evaluate the environmental significance of its actions. See subpart I of part 1 of this chapter, in particular § 1.1307(b).

(b) For purposes of this section, the definitions in § 1.1307(b)(2) of this chapter shall apply. A portable device is defined as a transmitting device designed to be used in other than fixed locations and to generally be used in such a way that the RF source's radiating structure(s) is/are within **20 centimeters** of the body of the user.

(c) (1) Evaluation of compliance with the exposure limits in § 1.1310 of this chapter, and preparation of an EA if the limits are exceeded, is necessary for portable devices having single RF sources with more than an available maximum time-averaged power of 1 mW, more than the ERP listed in Table 1 to § 1.1307(b)(3)(i)(C), or more than the P_{th} in the following formula, whichever is greater. The following formula shall only be used in conjunction with portable devices not exempt by § 1.1307(b)(3)(i)(C) at distances from 0.5 centimeters to 20 centimeters and frequencies from 0.3 GHz to 6 GHz.

$$P_{th} (mW) = \begin{cases} ERP_{20 cm} (d/20 cm)^x & d \leq 20 cm \\ ERP_{20 cm} & 20 cm < d \leq 40 cm \end{cases}$$

Where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 cm} \sqrt{f}} \right) \text{ and } f \text{ is in GHz;}$$

$$ERP_{20 cm} (mW) = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases}$$

(2) For multiple mobile or portable RF sources within a device operating in the same time averaging period, evaluation is required if the formula in § 1.1307(b)(3)(ii)(B) of this chapter is applied to determine the exemption ratio and the result is greater than 1.

(3) Unless otherwise specified in this chapter, any other single portable or multiple mobile and portable RF source(s) associated with a device is exempt from routine environmental evaluation for RF exposure prior to equipment authorization or use, except as specified in § 1.1307(c) and (d) of this chapter.

6.2 447498 D04 Interim General RF Exposure Guidance v01

6.2.1 Tolerances in RF Exposure Test Methodologies

Device samples used for compliance testing must have the same physical, mechanical, and thermal characteristics, and operational tolerances as for production units.

All devices must be tested within the tune-up tolerance specification range. More specifically, each device must be evaluated for SAR or MPE compliance in the required operating modes and test configurations, at the maximum rated output power, and within the tune-up tolerance range specified for the product, but not more than 2 dB lower than the maximum tune-up tolerance.

6.2.2 1-mW Test Exemption for Multiple Sources

As discussed in § 1.1307(b)(3)(ii)(A), the 1-mW exemption intended for single transmitters may be also applied to simultaneous transmission conditions, within the same host device, according one of the following criteria:

a) When maximum available power each individual transmitting antenna within the same time averaging period is ≤ 1 mW, and the nearest parts of the antenna structures of the simultaneously operating transmitters are separated by at least 2 cm.

b) When the aggregate maximum available power of all transmitting antennas is ≤ 1 mW in the same time-averaging period.

This exemption may not be combined with any other exemption.

6.2.3 Simultaneous Transmission with both SAR-based and MPE-Based Test Exemptions

This case is described in detail in § 1.1307(b)(3)(ii)(B) and covers the situations where both SAR-based and MPE-based exemption may be considered for test exemption in fixed, mobile, or portable device exposure conditions. For these cases, a device with multiple RF sources transmitting simultaneously will be considered an RF exempt device if the condition of Formula (1) is satisfied.

$$\sum_{i=1}^a \frac{P_i}{P_{th,i}} + \sum_{j=1}^b \frac{ERP_j}{ERP_{th,j}} + \sum_{k=1}^c \frac{Evaluated_k}{Exposure\ Limit_k} \leq 1 \quad (1)$$

Appendix C of KDB provides additional details.

For these test exemptions to apply, the maximum output power, duty factor, and other applicable parameters used in the standalone ERP determination tests, must be the same, or corresponding to a more conservative choice, than those required for simultaneous transmission.

The power level of the standalone SAR used to qualify for SAR test exemption, or additional test exemption, must be clearly explained in the SAR report. When simultaneous transmission SAR- based test exemptions, or when the SPLSR test exemption [Section 2.2.3] cannot be applied, enlarged zoom scan [Glossary] SAR measurements must be performed at the maximum output power required for the applicable simultaneous transmission scenarios. This power level shall account for the tune-up tolerance [Glossary] requirements of all transmitters, but not more than **2 dB lower than the maximum tune-up tolerance limit**.

7 MPE CALCULATION METHOD

7.1 Standalone MPE Calculation Method

Conversion of output power

$$P(mW) = 10^{\left(\frac{Lp(dBm)}{10}\right)} \times 1mW$$

E:	E-field strength [V/m]
P:	Power input to antenna [W]
G:	Gain of the antenna in the direction of interest relative to an isotropic radiator [dBi]
PG:	EIRP (effective isotropic radiated power) [W]
r:	Distance [m]

$$E = \frac{\sqrt{30PG}}{r}$$

S:	Power density [W/m ²]
P:	Power input to antenna [W]
G:	Gain of the antenna in the direction of interest relative to an isotropic radiator [dBi]
PG:	EIRP (effective isotropic radiated power) [W]
r:	Distance [m]

$$S = \frac{PG}{4\pi r^2}$$

The EUT is a wireless device with a distance of at least 0.2m from any body part of nearby persons.

Type	Band [GHz]	Max. EIRP [dBm]	Max. EIRP [W]	Max. ERP [dBm]	Max. ERP [W]	Power Density [mW/cm ²]	Reference	FCC Limit [mW/cm ²]	FCC Verdict	FCC Exemp. ERP [W]	FCC Exemp. fulfilled
Manufacturer declared values											
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Measured values for reference											
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

447498 D04 Interim General RF Exposure Guidance v01 - Tolerances in RF Exposure Test Methodologies

Requirement: Values for MPE compliance in the required operating modes and test configurations, at the maximum rated output power, are not more than 2 dB lower than the maximum *tune-up tolerance*.

Verdict: Passed.

7.2 Simultaneous transmission MPE

FCC 1.1307 / (3) Determination of exemption / (ii) For multiple RF sources:

Multiple RF sources are exempt if:

(A) The available maximum time-averaged power of each source is no more than 1 mW and there is a separation distance of two centimeters between any portion of a radiating structure operating and the nearest portion of any other radiating structure in the same device, except if the sum of multiple sources is less than 1 mW during the time-averaging period, in which case they may be treated as a single source (separation is not required). This exemption may not be used in conjunction with other exemption criteria other than those in paragraph (b)(3)(i)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(i)(A).

(B) In the case of fixed RF sources operating in the same time-averaging period, or of multiple mobile or portable RF sources within a device operating in the same time averaging period, if the sum of the fractional contributions to the applicable thresholds is less than or equal to 1 as indicated in the following equation.

$$\sum_{i=1}^a \frac{P_i}{P_{th,i}} + \sum_{j=1}^b \frac{ERP_j}{ERP_{th,j}} + \sum_{k=1}^c \frac{Evaluated_k}{Exposure Limit_k} \leq 1$$

a = number of fixed, mobile, or portable RF sources claiming exemption using paragraph (b)(3)(i)(B) of this section for P_{th} , including existing exempt transmitters and those being added.

b = number of fixed, mobile, or portable RF sources claiming exemption using paragraph (b)(3)(i)(C) of this section for Threshold ERP, including existing exempt transmitters and those being added.

c = number of existing fixed, mobile, or portable RF sources with known evaluation for the specified minimum distance including existing evaluated transmitters.

P_i = the available maximum time-averaged power or the ERP, whichever is greater, for fixed, mobile, or portable RF source i at a distance between 0.5 cm and 40 cm (inclusive).

$P_{th,i}$ = the exemption threshold power (P_{th}) according to paragraph (b)(3)(i)(B) of this section for fixed, mobile, or portable RF source i .

ERP_j = the ERP of fixed, mobile, or portable RF source j .

$ERP_{th,j}$ = exemption threshold ERP for fixed, mobile, or portable RF source j , at a distance of at least $\lambda/2\pi$ according to the applicable formula of paragraph (b)(3)(i)(C) of this section.

$Evaluated_k$ = the maximum reported SAR or MPE of fixed, mobile, or portable RF source k either in the device or at the transmitter site from an existing evaluation at the location of exposure.

$Exposure Limit_k$ = either the general population/uncontrolled maximum permissible exposure (MPE) or specific absorption rate (SAR) limit for each fixed, mobile, or portable RF source k , as applicable from §1.1310 of this chapter.

Type	Band [GHz]	Max. ERP [dBm]	Max. ERP [W]	Power Density [W/m²]	Power Density [mW/cm²]	FCC Limit [mW/cm²]	FCC Verdict	FCC Exemp. [W]	FCC Exemp. fulfilled
						N/A	-	N/A	-
						N/A	-	N/A	-
						N/A	-	N/A	-
						N/A	-	N/A	-
$\Sigma(f_k)$	-	-	-			N/A	N/A	N/A	N/A

7.3 WPT Measurements

7.3.1 Information to be included regarding measurement-based assessment

7.3.1.1 Test Setup

DASY8 WPT System from Speag, including MAGPy probe.



Photo 1: Example Setup from Speag

7.3.1.2 Physical configuration of EUT

The EUT is set to transmit the maximum power without an Rx.

7.3.1.3 List of EUT emissions

#	Description
1	Base power profile mode: 127.55 kHz
2	Magnetic power profile with extended profile support: 130.55 kHz
2	Magnetic power profile mode: 360 kHz

Frequency-Domain assessment

7.3.1.4 Assessment frequency range

Assessment range of MAGPy probe: 3 kHz – 10 MHz

7.3.1.5 Field probe specifications

Probe design	
Probe head diameter	60mm
H-field sub-probes	8 isotropic H-field sub-probes Concentric loops of 1cm ² arranged at the corners of a 22mm cube ¹
E-field sub-probes	1 isotropic E-field sub-probe Orthogonal dipole/monopole (dipole length: 53mm)
Temperature range	0–40°C
Dimensions	110mm×635mm×35mm (MAGPy-8H3D+E3D V2 & MAGPy-DAS V2)
H-field measurement specifications	
Frequency range	3kHz–10MHz
Dynamic range	0.1–3200A/m (0.12μT–4mT)
E-field measurement specifications	
Frequency range	3kHz–10MHz
Dynamic range	0.08–2000V/m
Uncertainty Budget Contributors	
Amplitude Calibration Uncertainty	SPEAG conducts the probe calibration in compliance with national and international standards under ISO/IEC 17025. The MAGPy-8H3D+E3D V2 probe is calibrated in a two-step procedure. First, its absolute frequency response is calibrated inside a transverse electromagnetic (TEM) cell. Then its dynamic response is calibrated at approximately 160kHz inside a resonant coil structure.
Probe Anisotropy	Any tilt of the sensor loops with respect to the corresponding planes (e.g., tilt of the H _x sensor loop with respect to the yz plane) leads to an underestimation of the H-field. The uncertainty due to the probe directivity is assessed by assuming a tilt angle of 2 degrees.
Probe Dynamic Linearity	The MAGPy-8H3D+E3DV2 probe is calibrated for an H-field range from approximately 0.3 to 2000 A/m. During the probe calibration, the uncertainty due to the probe linearity is assessed by deriving the maximum deviation from the best-fit straight reference line going through the origin over the dynamic range of the probe.

Probe Frequency Domain Response	The MAGPy-8H3D+E3D V2 probe is calibrated for a frequency range from 3kHz to 10MHz. The probe response across this frequency range is not flat. The uncertainty due to the probe frequency response is assessed by evaluating the flatness of the probe response across the frequency range.
Probe Frequency Linear Interpolation Fit	This uncertainty is estimated as the maximum allowed fit residual during the probe adjustment/calibration.
Spatial Averaging	The MAGPy-8H3D+E3D V2 probe has three orthogonal H-field sensors. Each sensor is a 1cm ² loop. The H-field measured by the sensor can be regarded as the H-field averaged over the 1cm ² area. The sensor averaging effect has an impact on the peak incident fields and induced fields. Its uncertainty contribution is assessed numerically by comparing the results before and after taking the sensor averaging into account.
Parasitic E/H-Field Sensitivity	This uncertainty is assessed during the probe calibration process.
Detection Limit	The field measurement is sensitive to the signal-to-noise ratio. The uncertainty due to the signal-to-noise ratio is assessed at a typical signal-to-noise ratio of 35dB. A more conservative evaluation of the uncertainty contribution due to noise is made below.
Readout Electronics	The uncertainty due to the data acquisition corresponds to the readout electronics. For the MAGPy-8H3D+E3D V2 probe, the readout electronics is integrated with the probe. Therefore, the uncertainty due to the data acquisition is considered in the uncertainties due to the frequency response and the linearity of the probe.
Probe Positioning	The robot arm used in the DASY8 system has an absolute positioning accuracy of 0.2mm. The probe positioning especially affects the tolerance of the separation distance between the probe tip and the measurement plane. Thus, the uncertainty contribution for a positioning accuracy of 0.2mm is assessed by assuming a corresponding variation on the separation distance.
Surface Field Reconstruction	Due to the finite sensor size (i.e., 1cm ²) and the encapsulation of the MAGPy-8H3D+E3D V2 probe, the center of the sensor loops are 7.5mm away from the probe tip. In order to enable measuring fields down to the measurement plane corresponding to the probe tip, the H-field down to the probe tip is reconstructed. The reconstruction is implemented based on the assumption that the divergence and the curl of the H-field measured are zero. The uncertainty contribution is assessed numerically by comparing the results with and without the surface field reconstruction.
Grid Resolution	The low frequency MQS solver in Sim4Life is used to solve the induced fields in the homogeneous phantom. The grid of the MQS simulation affects the values of the peak induced fields. The deviation between the default 1mm resolution and a finer resolution of 0.5mm is assessed.
Tissue Parameters	Since the tissue parameters specified in IEC 63184 are used, the uncertainty of the tissue parameters can be considered as zero.
Exposure Position	Placement uncertainty of the source with respect to the phantom is negligible since the phantom is large and homogeneous.
Source Representation	The induced E-field in the homogeneous phantom is calculated based on the magnetic vector potential of the H-field measured. However, measurements with the MAGPy-8H3D+E3D V2 probe do not provide the vector potential. Therefore, the vector potential needs

	to be reconstructed from the H-field measured. The uncertainty contribution is assessed by comparing the results with and without the vector potential reconstruction.
Convergence and Power Budget	The convergence of the numerical simulation, e.g., test by time-variant stability criteria or law of energy conservation, is negligible for MQS simulations with a large homogeneous phantom.
Boundary Conditions	The uncertainty due to the size of the computational domain with dominantly reactive fields at the boundaries of the computational domain is assessed by comparing results for different computation domain dimensions.
Phantom Loading/Backscattering	The loading/backscattering due to the presence of the phantom gives rise to a difference in the incident H-field. This difference can be assessed by comparing the fields determined with measurements or full-wave simulations for the cases with and without the phantom.



Photo 2: Probe Head without Cover

Calibration certificates	MAGPy-8H3D-3108_Apr25
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7.3.1.6 Positioning Apparatus

The DASy8 WPT system uses a robotic positioner.

7.3.1.7 Scanning procedure

The DASy8 WPT system allows free movement of the probe relative to the EUT. Prior to testing, the Field Probe is aligned with the EUT Antenna and Surface. The WPT software expands the measurement area automatically to cover a sufficient area. Assessment range of MAGPy probe: 3 kHz – 10 MHz

Conversion of measured field levels

Done in MAGPy WPT software, see Annex for SW Version

7.3.1.8 Photographs of full test setup

See Annex

7.3.1.9 Time-domain plots

See Annex

7.3.2 General Uncertainty Information**IEC/IEEE 62209-1528 Section 8.2 Requirements on the uncertainty evaluation**

d) The expanded uncertainty in the system check and system validation measurements shall also be evaluated. The uncertainty shall be quoted at the 95 % confidence level, and the expanded uncertainty shall not exceed 30 % of the psSAR value in the range 0,4 W/kg to 10 W/kg. For psSAR values below 0,4 W/kg, the expanded uncertainty shall not exceed 0,12 W/kg (30 % of 0,4 W/kg).

e) Where acceptable by national requirements, if the expanded uncertainty is greater than 30 %, the reported data needs to take into account the percentage difference between the actual uncertainty and the 30 % target value – e.g. see method of IEC 62311.

IEC 62311 chapter 6:

The uncertainty value of IEC 62209-1528 is used, 30%.

If the assessment uncertainty is less than or equal to a permissible maximum uncertainty $U_{\max}(L_m)/L_m$, then the measured value L_m shall be compared directly with the applicable limit $L_{\lim}$ for evaluation of compliance.

If the actual assessment uncertainty is larger than the permissible maximum uncertainty value, then the actual assessment uncertainty shall be included in the evaluation of compliance with the limits as follows.

If the actual assessment uncertainty is larger than the specified value of the permissible maximum uncertainty, then a penalty value shall be added to the assessment result before comparison with the limit. Conversely, one can also reduce the applicable limit $L_{\lim}$ with the same penalty value, and compare the actual measured L_m value with the reduced limit. The right-hand side of the Formula shows how the limit $L_{\lim}$ is reduced in the case where the actual assessment uncertainty is larger than the permissible maximum uncertainty.

Maximum value of the expanded uncertainty for the measurement $U_{\max}(L_m)$
Absolute expanded uncertainty $U(L_m)$

Limit [%]	Limit [dB] (power)	psSAR1 g limit [dB]	Result
30	1.14	1.27 (33.9%)	Penalty applies

$$L_m \leq \left(\frac{1}{1 - \frac{U_{\max}(L_m)}{L_m} + \frac{U(L_m)}{L_m}} \right) L_{\lim} \quad (1)$$

where

L_m is the measured value;

$L_{\lim}$ is the exposure limit;

$U(L_m)$ is the absolute expanded uncertainty;

$U_{\max}(L_m)$ is the maximum value of the expanded uncertainty for the measurement value L_m .

Calculated penalty:	psSAR1 g: 0.962
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7.3.3 Uncertainty Tables for Module WPT – DASY8

DASY8 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	√3	1	0.35
3	Probe dynamic linearity	0.2	R	√3	1	0.12
4	Probe frequency domain response	0.3	R	√3	1	0.17
5	Probe frequency linear interp. fit	0.15	R	√3	1	0.09
6	Spatial averaging	0.1	R	√3	1	0.06
7	Parasitic E-field sensitivity	0.1	R	√3	1	0.06
8	Detection limit	0.15	R	√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%)
Source: DASY8 WPT Manual 2024-12						
<u>Note:</u> Uncertainty budget for peak incident H-field measured with DASY8 Module WPT assessed according to IEC/IEEE 63184. For testing of DUTs which use FSK/ASK communication (with the reference scaling option enabled), an extra uncertainty component of 0.4 dB (k = 1, valid for H-fields ≥ 0.7 A/m (rms)) applies, resulting in a total uncertainty of 1.55 dB (k = 2).						

DASY8 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	√3	1	0.46
3	Probe dynamic linearity	1	R	√3	1	0.58
4	Probe frequency domain response	0.3	R	√3	1	0.17
5	Probe frequency linear interp. fit	0.15	R	√3	1	0.09
6	Parasitic H-field sensitivity	0.2	R	√3	1	0.12
7	Detection limit	0.15	R	√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%)
Source: DASY8 WPT Manual 2024-12						
Note: Uncertainty budget for incident E-field measured with DASY8 Module WPT with linear gradients across the probe.						

DASY8 Uncertainty Budget for Peak 2×2×2 mm³ Cube-Average 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	√3	1	0.35
3	Probe dynamic linearity	0.2	R	√3	1	0.12
4	Probe frequency domain response	0.3	R	√3	1	0.17
5	Probe frequency linear interp. fit	0.15	R	√3	1	0.09
6	Spatial averaging	0.1	R	√3	1	0.06
7	Parasitic E-field sensitivity	0.1	R	√3	1	0.06
8	Detection limit	0.15	R	√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	0.18	R	√3	1	0.10
14	Tissue parameters	0	R	√3	1	0
15	Exposure position	0.24	R	√3	1	0
16	Source representation	0	N	1	1	0.24
17	Convergence and power budget	0.1	R	√3	1	0
18	Boundary conditions	0.1	R	√3	1	0.06
19	Phantom loading/ backscattering	0.18	R	√3	1	0.06
Combined uncertainty (k = 1)						0.72
Expanded uncertainty (k = 2)						1.44 (18.0%)
Source: DASY8 WPT Manual 2024-12						
Note: Uncertainty budget for peak 2×2×2 mm ³ cube-average induced E-field measured with DASY8 Module WPT assessed according to IEC/IEEE 63184						

DASY8 Uncertainty Budget for Peak 5 mm Line-Average E_{ind} according to IEC/IEEE 63184						
Item	Error Description	Unc. Value ($\pm$ dB)	Probab. Distr.	Div.	(c_i)	Std. Unc. ($\pm$ 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	0.25	R	$\sqrt{3}$	1	0.14
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 ($k = 1$)						0.74
Expanded uncertainty ($k = 2$)						1.48 (18.5%)
Source: DASY8 WPT Manual 2024-12						
Note: Uncertainty budget for peak 5 mm line-average induced E-field measured with DASY8 Module WPT assessed according to IEC/IEEE 63184						

DASY8 Uncertainty Budget for Peak Local E_{ind} according to IEC/IEEE 63184						
Item	Error Description	Unc. Value ($\pm$ dB)	Probab. Distr.	Div.	(c_i)	Std. Unc. ($\pm$ 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%)
Source: DASY8 WPT Manual 2024-12						
Note: Uncertainty budget for peak local (i.e., not spatial averaged) induced E-field measured with DASY8 Module WPT assessed according to IEC/IEEE 63184						

DASY8 Uncertainty Budget for Peak 1 cm² Area-Average J_{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	√3	1	0.35
3	Probe dynamic linearity	0.2	R	√3	1	0.12
4	Probe frequency domain response	0.3	R	√3	1	0.17
5	Probe frequency linear interp. fit	0.15	R	√3	1	0.09
6	Spatial averaging	0.1	R	√3	1	0.06
7	Parasitic E-field sensitivity	0.1	R	√3	1	0.06
8	Detection limit	0.15	R	√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	0.12	R	√3	1	0.07
14	Tissue parameters	0	R	√3	1	0
15	Exposure position	0	R	√3	1	0
16	Source representation	0.1	N	1	1	0.1
17	Convergence and power budget	0	R	√3	1	0
18	Boundary conditions	0.1	R	√3	1	0.06
19	Phantom loading/backscattering	0.1	R	√3	1	0.06
Combined uncertainty (k = 1)						0.68
Expanded uncertainty (k = 2)						1.36 (17.0%)
Source: DASY8 WPT Manual 2024-12						
Note: Uncertainty budget for peak 1 cm ² area-average induced current density measured with DASY8 Module WPT assessed according to IEC/IEEE 63184						

DASY8 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	√3	1	0.35
3	Probe dynamic linearity	0.2	R	√3	1	0.12
4	Probe frequency domain response	0.3	R	√3	1	0.17
5	Probe frequency linear interp. fit	0.15	R	√3	1	0.09
6	Spatial averaging	0.1	R	√3	1	0.06
7	Parasitic E-field sensitivity	0.1	R	√3	1	0.06
8	Detection limit	0.15	R	√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	√3	1	0.01
14	Tissue parameters	0	R	√3	1	0
15	Exposure position	0.09	R	√3	1	0
16	Source representation	0	N	1	1	0.09
17	Convergence and power budget	0.1	R	√3	1	0
18	Boundary conditions	0.1	R	√3	1	0.06
19	Phantom loading backscattering	0.02	R	√3	1	0.06
Combined uncertainty (k = 1)						0.63
Expanded uncertainty (k = 2)						1.27 (33.9%)
Source: DASY8 WPT Manual 2024-12						
Note: Uncertainty budget for peak 1 gram mass-average induced SAR measured with DASY8 Module WPT assessed according to IEC/IEEE 63184						

DASY8 Uncertainty Budget for psSAR10 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	R	$\sqrt{3}$	1	0
14	Tissue parameters	0	R	$\sqrt{3}$	1	0
15	Exposure position	0	R	$\sqrt{3}$	1	0
16	Source representation	0.04	N	1	1	0.04
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)						1.25 (33.4%)
Source: DASY8 WPT Manual 2024-12						
Note: Uncertainty budget for peak 1 gram mass-average induced SAR measured with DASY8 Module WPT assessed according to IEC/IEEE 63184						

7.3.4 Measurement - Results
The used measurement system from MAGPy from SPEAG generates reports after the measurement, containing the incident, induced and SAR values.
SAR basic restriction limits: Please refer to the value named “psSAR[mW/kg]” in the annexed measurement reports
For the SAR Basis restriction limit, a penalty of 0.962 applies, the limits is calculated as: $0.962 \cdot 1.6 \frac{W}{kg} = 1.539 \frac{W}{kg}$

System Performance Check	CAL. Peak H-Field	Meas. Peak H-Field	Deviation [%]	Verdict
85 kHz @ 2mm	185	172	7.03	P
400 kHz @ 2mm	236	220	6.78	P
Note: The system check is successful if the deviation in the peak H-field at 2mm is within 1.4dB (17.5%)				

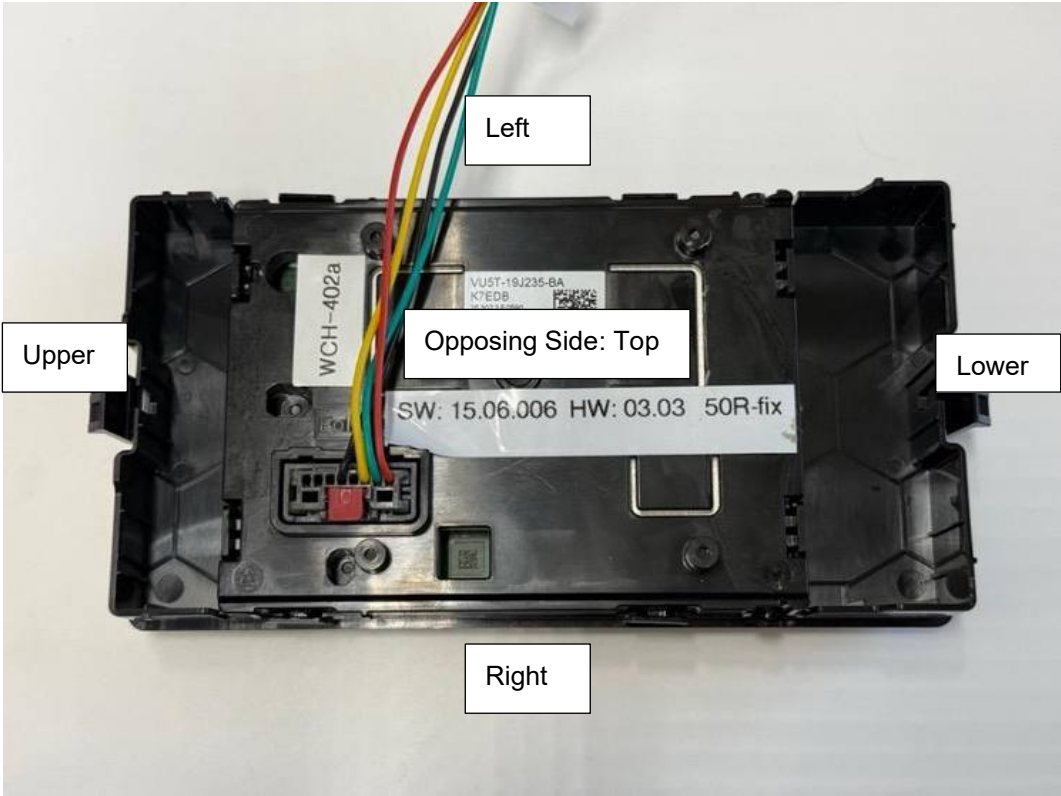


Photo: 1 – Orientation (Back is not accessible -> N/A)

#1		Set: OP 1										P		
Upper		Back		Left		Right		Top		Lower		MAX	Limit	Verdict
[kHz]	127.50	[kHz]	N/A	[kHz]	127.5	[kHz]	127.5	[kHz]	127.5	[kHz]	127.5			
Basic restrictions / 5.1 Internal E-Field [V/m, RMS]												[V/m, RMS]	[V/m, RMS]	--
0.124		N/A		0.554		0.537		8.82		0.124		8.82	17.21	P
Reference Levels / incident fields Hinc [A/m, RMS]												[A/m, RMS]	[A/m, RMS]	--
5.44		N/A		44.4		40.3		2616		4.51		2616	1.63	N/A
Reference Levels / incident fields Einc [V/m, RMS]												[V/m, RMS]	[V/m, RMS]	--
1.07		N/A		6.41		4.39		88.3		1.63		88.3	614	P
SAR basic restriction limits [W/kg]												[W/kg] 1g	[W/kg] 1g	--
0.00000857		N/A		0.000138		0.000131		0.0243		0.00000868		0.0243	1.539	P
Supplementary information:														
Table 3: ☐ Whole body ☒ Localized head, neck and trunk ☐ Localized limbs														
In case the reference levels are exceeded, they are set to N/A; and an assessment against the basic restrictions is needed.														

#2	Set: OP 2											P		
Upper		Back		Left		Right		Top		Lower		MAX	Limit	Verdict
[kHz]	130.44	[kHz]	N/A	[kHz]	130.44	[kHz]	130.44	[kHz]	130.44	[kHz]	N/A			
NS.Meas: 4.4.1 Basic restrictions / 5.1 Internal E-Field [V/m, RMS]												[V/m, RMS]	[V/m, RMS]	--
0.136		N/A		0.535		0.549		9.09		0.127		9.09	17.61	P
NS.Meas: 4.4.2 Reference Levels / incident fields Hinc [A/m, RMS]												[A/m, RMS]	[A/m, RMS]	--
5.26		N/A		44.6		40.5		2629		4.51		2629	90	N/A
NS.Meas: 4.4.2 Reference Levels / incident fields E _{inc} [V/m, RMS]												[V/m, RMS]	[V/m, RMS]	--
0.628		N/A		3.59		6.59		111		1.04		111	83	N/A
RSS 102: Table 3: SAR basic restriction limits [W/kg]												[W/kg] 1g	[W/kg] 1g	--
0.0000105		N/A		0.000128		0.000137		0.0257		0.00000908		0.0257	1.539	P
Supplementary information:														
Table 3: ☐ Whole body ☒ Localized head, neck and trunk ☐ Localized limbs														
In case the reference levels are exceeded, they are set to N/A; and an assessment against the basic restrictions is needed.														

#3		Set: OP 3										P		
Upper		Back		Left		Right		Top		Lower		MAX	Limit	Verdict
[kHz]	359.58	[kHz]	N/A	[kHz]	359.57	[kHz]	359.58	[kHz]	359.58	[kHz]	359.58			
NS.Meas: 4.4.1 Basic restrictions / 5.1 Internal E-Field [V/m, RMS]												[V/m, RMS]	[V/m, RMS]	--
0.125		N/A		0.503		0.534		9.07		0.0985		9.07	48.54	P
NS.Meas: 4.4.2 Reference Levels / incident fields Hinc [A/m, RMS]												[A/m, RMS]	[A/m, RMS]	--
1.86		N/A		16		14.7		949		1.50		949	90	N/A
NS.Meas: 4.4.2 Reference Levels / incident fields E _{inc} [V/m, RMS]												[V/m, RMS]	[V/m, RMS]	--
5.25		N/A		20.4		32.5		540		5.01		540	83	N/A
RSS 102: Table 3: SAR basic restriction limits [W/kg]												[W/kg] 1g	[W/kg] 1g	--
0.00000858		N/A		0.000110		0.000127		0.0254		0.00000521		0.0254	1.539	P
Supplementary information:														
Table 3: ☐ Whole body ☒ Localized head, neck and trunk ☐ Localized limbs														
In case the reference levels are exceeded, they are set to N/A; and an assessment against the basic restrictions is needed.														

8 MPE CONSLUSION

FCC: The results do comply with the requirements.

9 LIST OF EQUIPMENT USED

#	Equipment	Manufacturer	Type	S/N	IBL/N	Kind of calibration	Last / Next calibration
No Group							
1	Measurement Software	SPEAG	DASY8 Module WPT 2.8.0.5947		LAB001158	NR	-
2	Measurement Software	sim4life.swiss	SIM4LIFE 8.0.1.15737		LAB001157	NR	-
3	SAR WPT Coil	SPEAG	VCoil350/85V2	1029	LAB000957	CM	2024-05-28 → 24M → 2026-05-28
4	SAR WPT Coil	SPEAG	VCoil50/400V2	1029	LAB000956	CM	2024-05-28 → 24M → 2026-05-28
5	Field Probe	SPEAG	MAGPy	3108	LAB000946	C	2025-04-24 → 12M → 2026-04-24
6	SAR Test system	SPEAG	DASY8	TBD	LAB000836	NR	-
7	Datalogger	T&D Corp.	TR-72nw	621803F2	LAB000199	C	2025-09-22 → 12M → 2026-09-22
8	Tape Measure	Bosch	Professional 5m	1600 a01 6ld	LAB000030	C	2025-10-13 → 12M → 2026-10-13

Annex 1 Photo Documentation

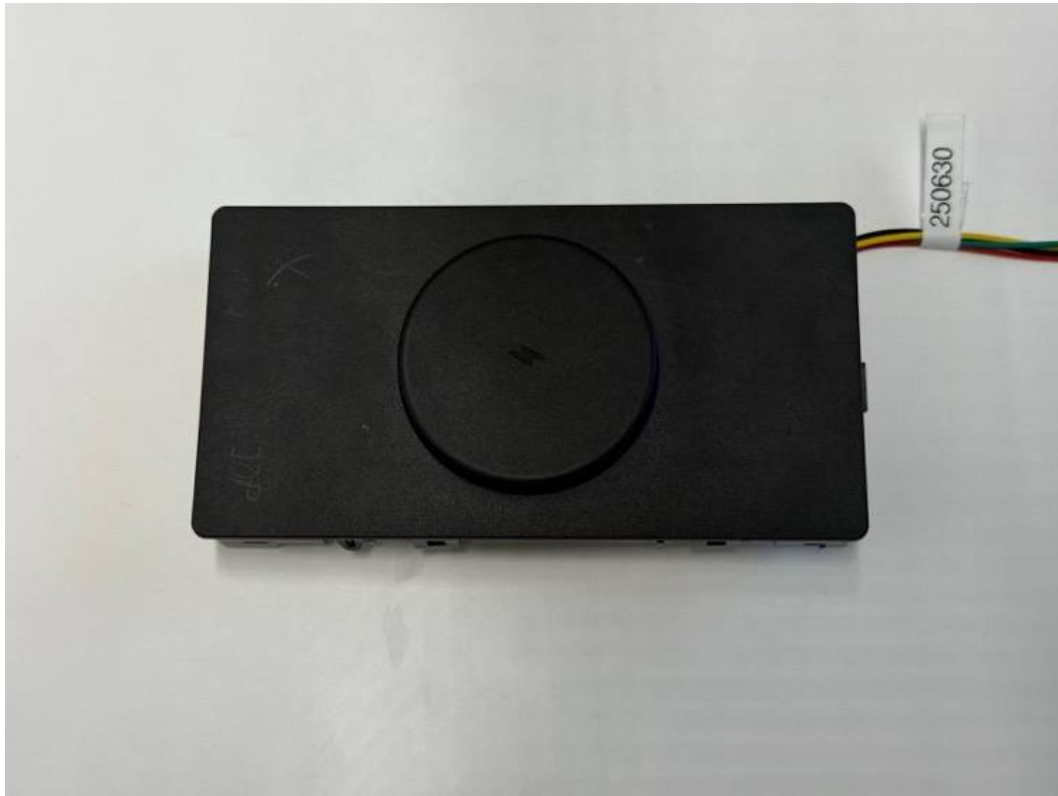


Photo: 2

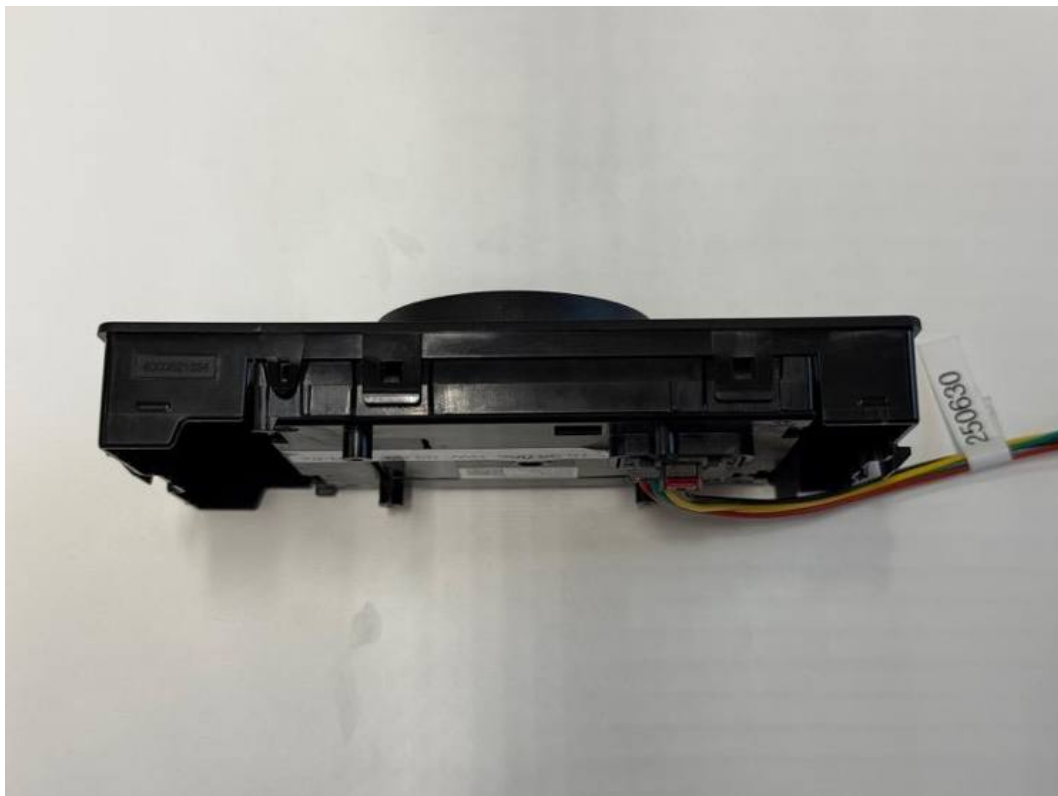


Photo: 3



Photo: 4

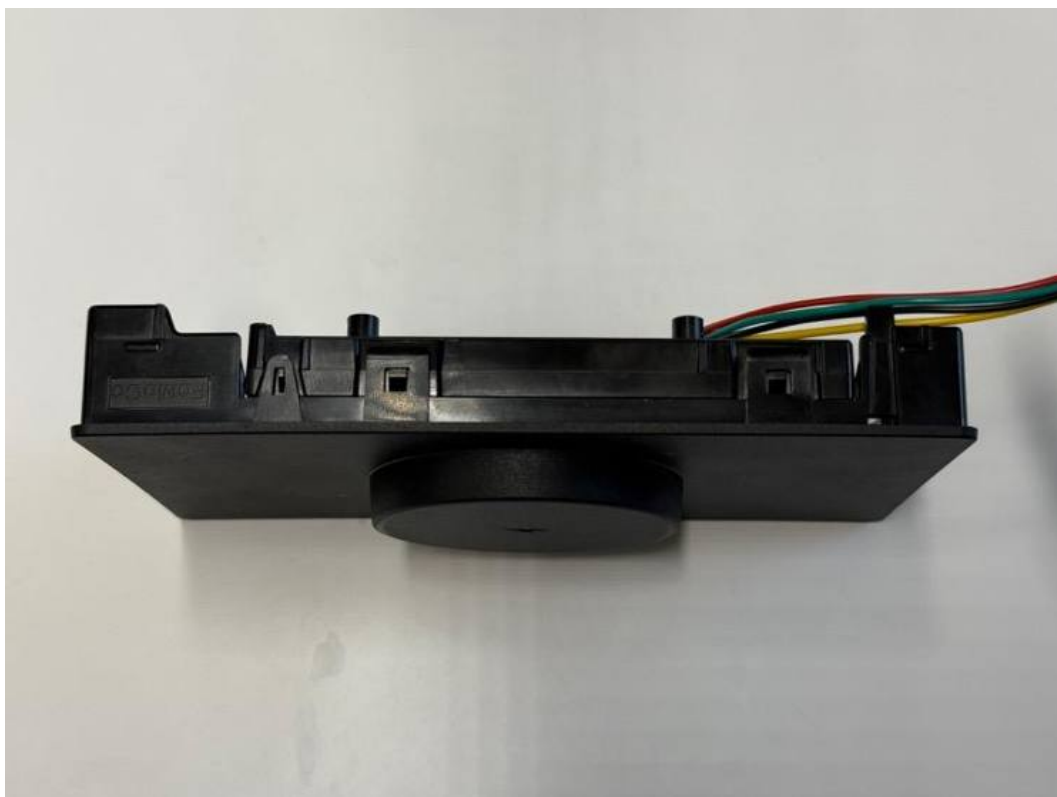


Photo: 5

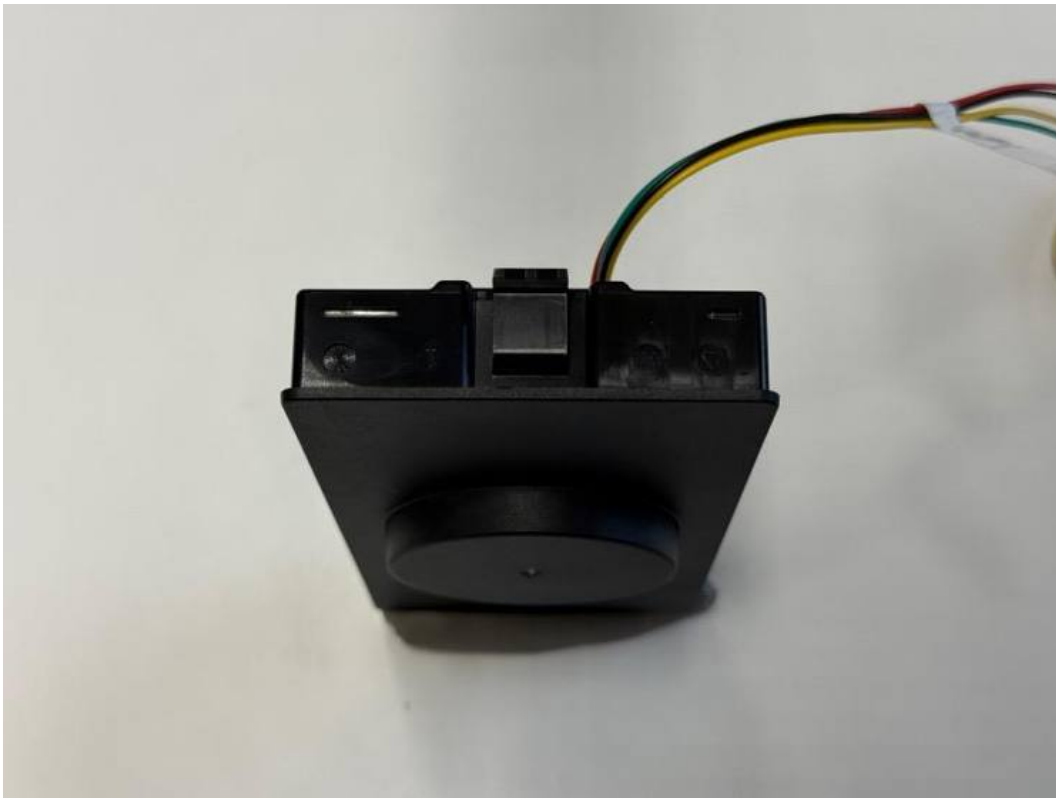


Photo: 6



Photo: 7

Top Setup

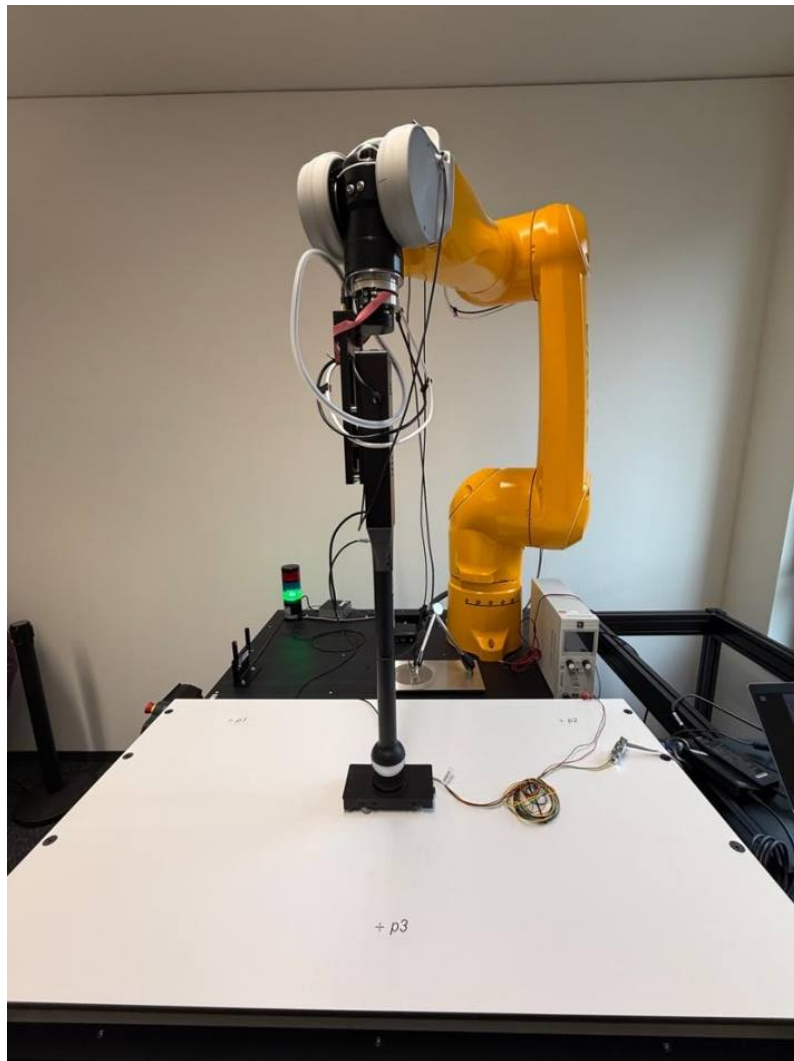


Photo: 8

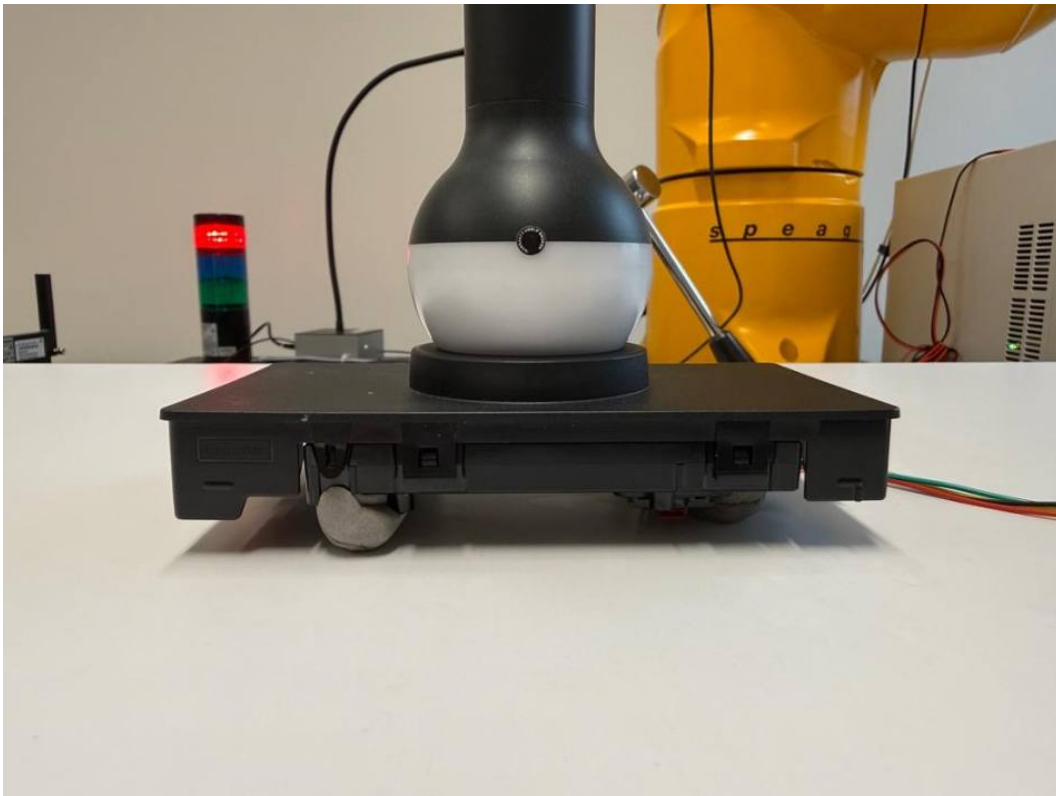


Photo: 9



Photo: 10

Left Setup

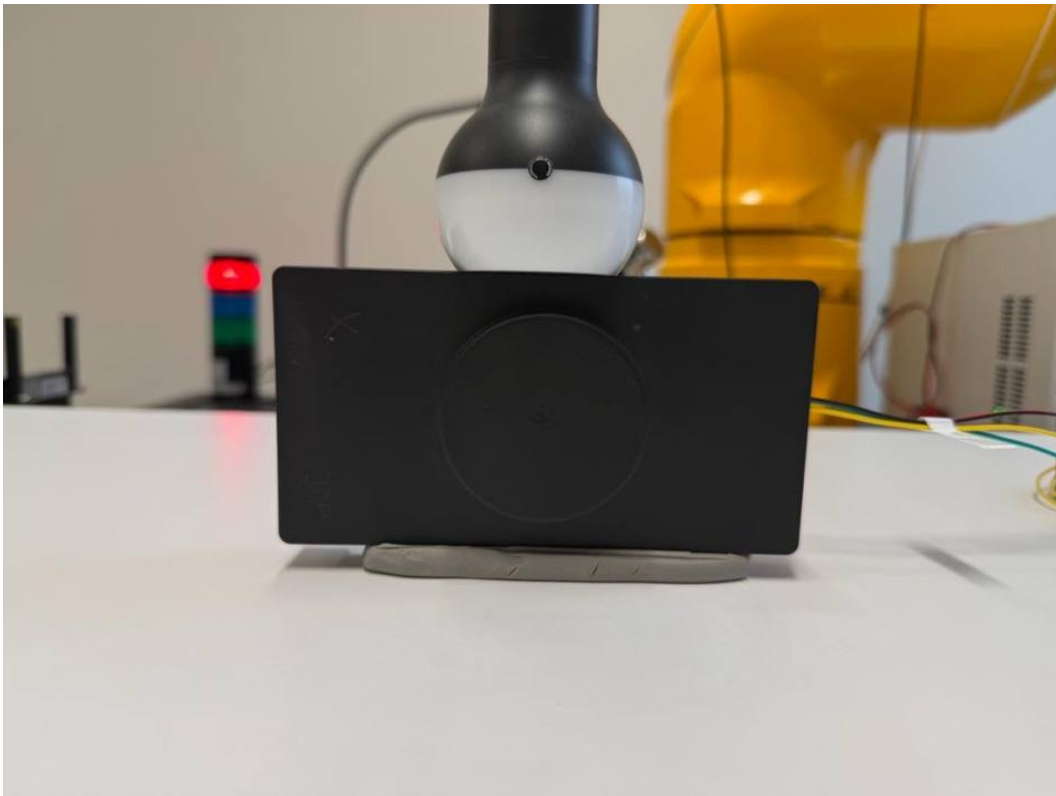


Photo: 11



Photo: 12



Photo: 13

Right Setup



Photo: 14

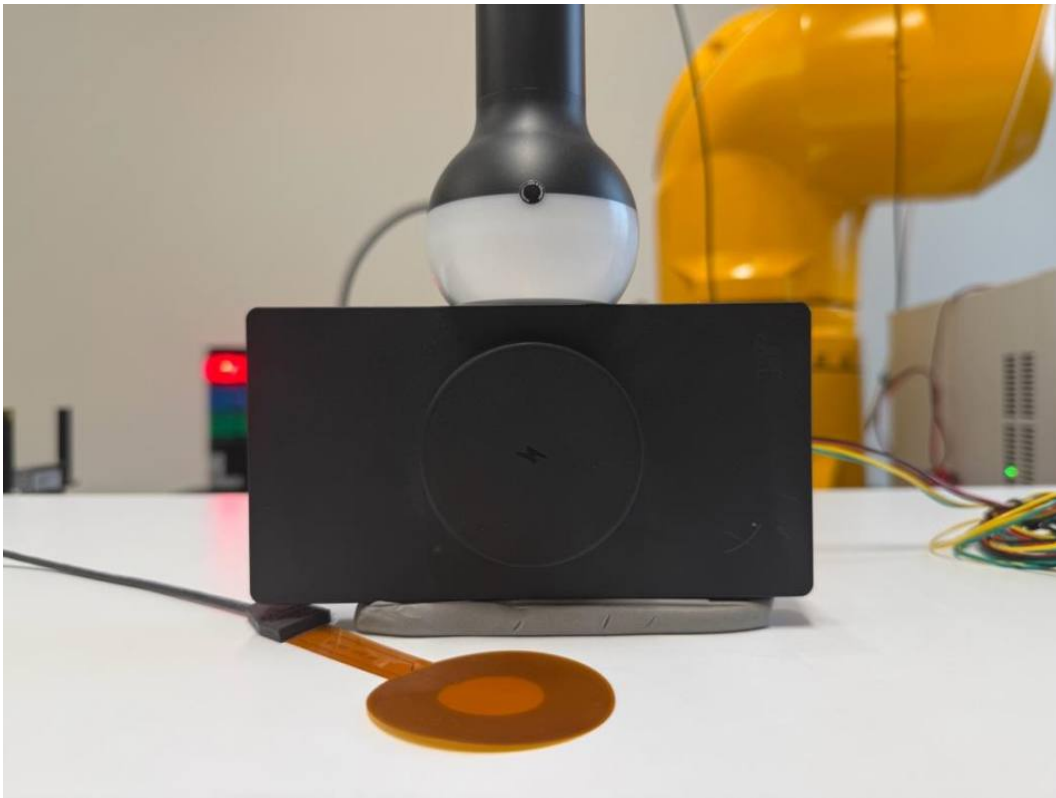


Photo: 15

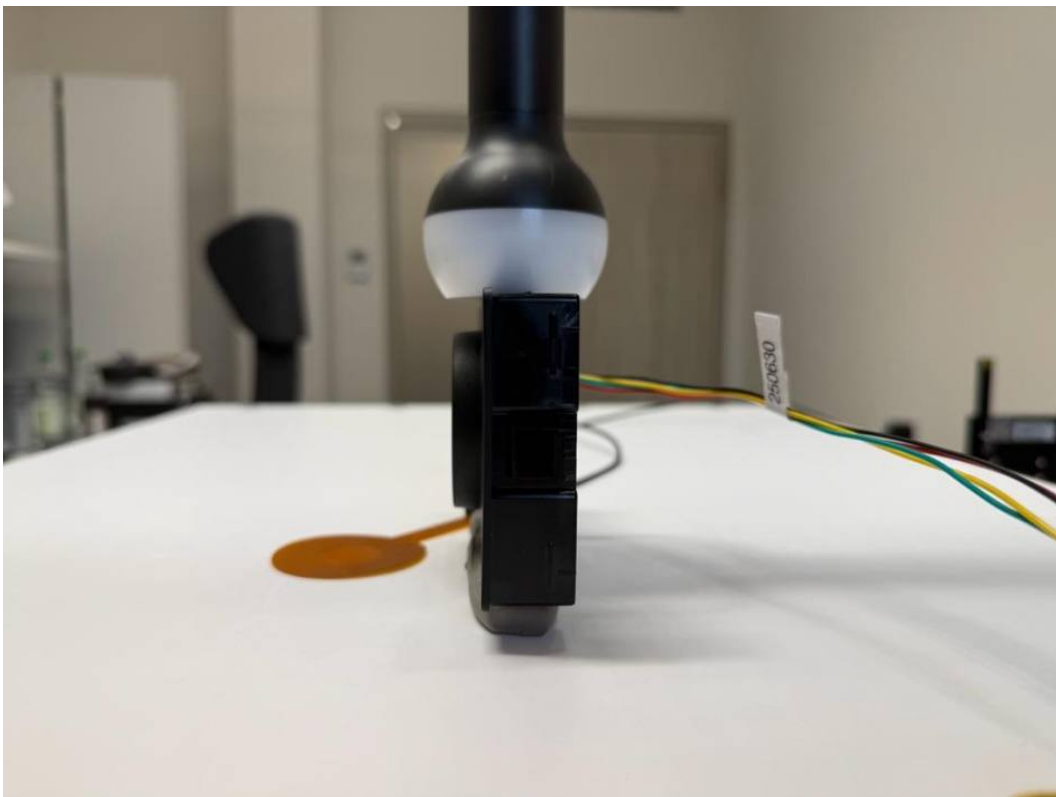


Photo: 16

Upper Setup



Photo: 17

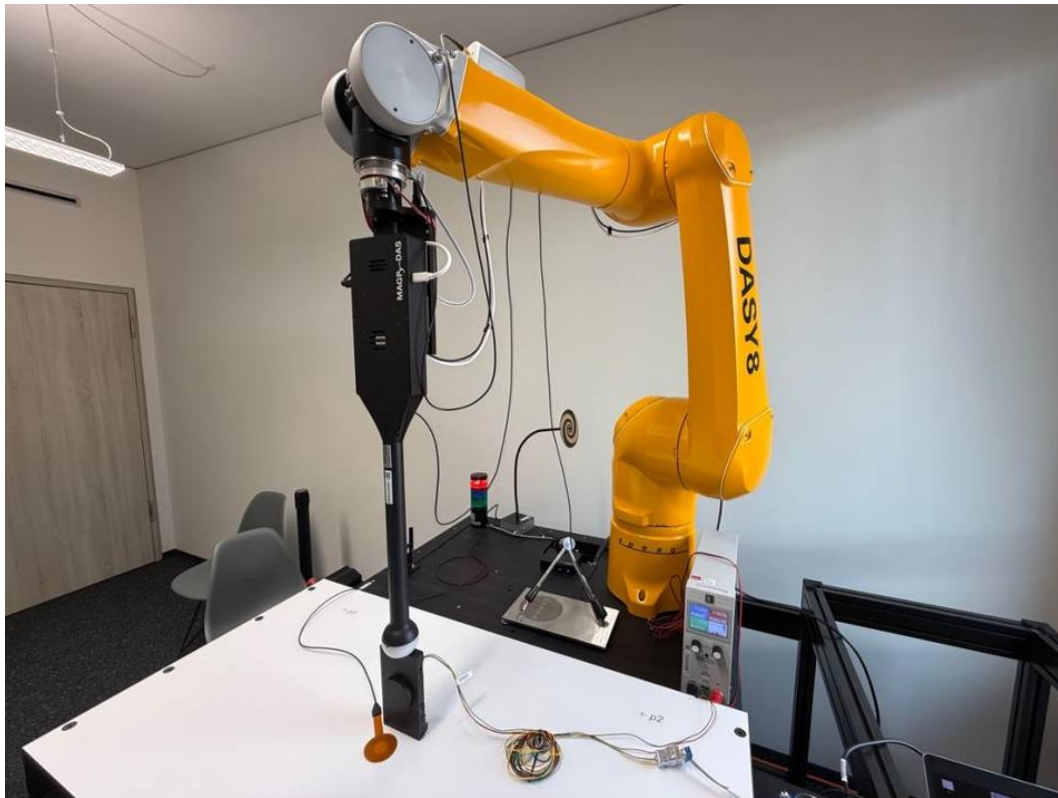


Photo: 18

Lower Setup



Photo: 19

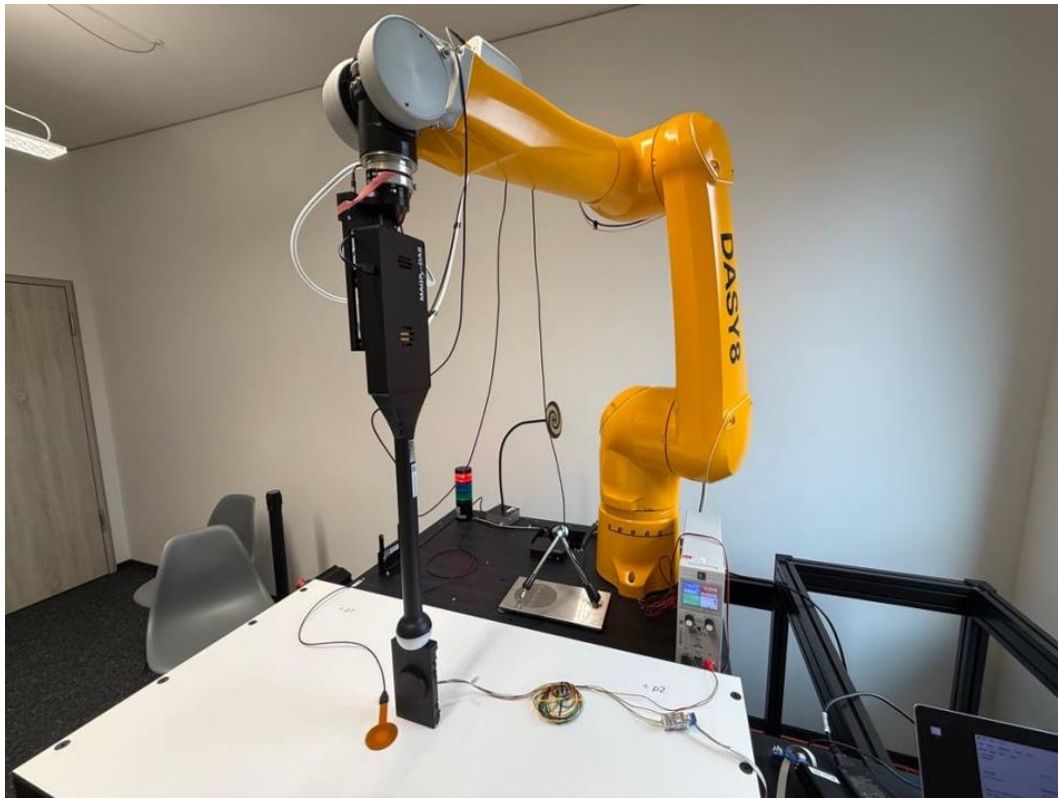
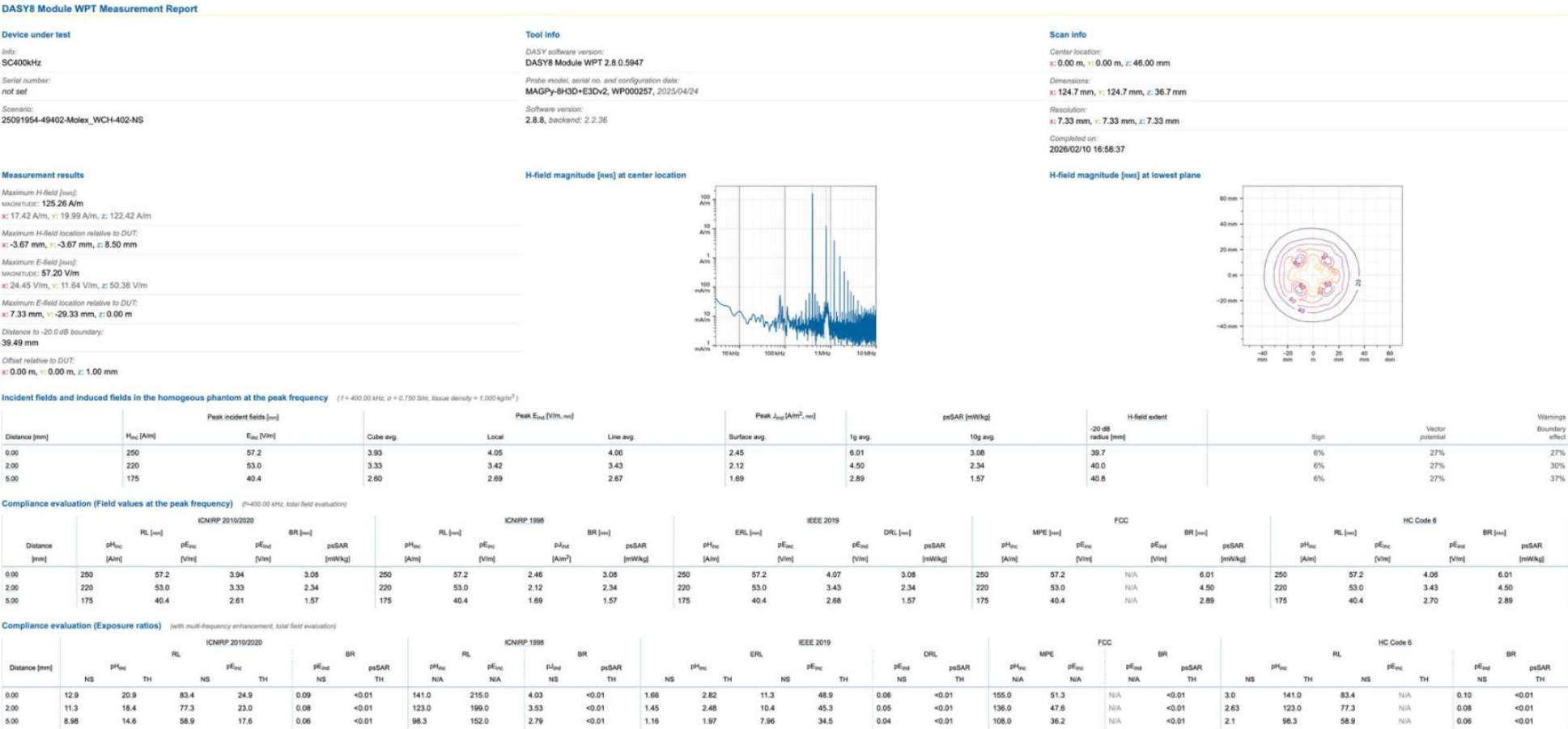


Photo: 20

Annex 2 Measurement Plots



TR no.: 25091954-49401-0

2026-03-17

DASY8 Module WPT Measurement Report

Device under test

Info:
SC85kHz
Serial number:
not set
Scenario:
25091954-49402-Molex_WCH-402-NS SC85kHz

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5947
Probe model, serial no. and configuration data:
MAGPy-8H3D+E3Dv2, WP000257, 2025/04/24
Software version:
2.8.8, backend: 2.2.36

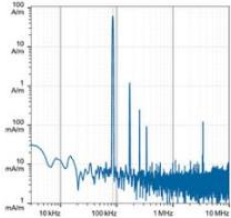
Scan info

Center location:
x: 0.00 m, y: 0.00 m, z: 47.00 mm
Dimensions:
x: 389.0 mm, y: 477.0 mm, z: 36.7 mm
Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
Completed on:
2026/02/11 10:25:50

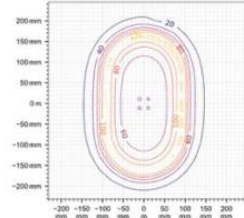
Measurement results

Maximum H-field [μA/m]:
MAGNETUDE: 122.12 A/m
x: 117.43 A/m, y: 11.44 A/m, z: 31.50 A/m
Maximum H-field location relative to DUT:
x: 91.67 mm, y: 77.00 mm, z: 6.50 mm
Maximum E-field [V/m]:
MAGNETUDE: 120.27 V/m
x: 12.20 V/m, y: 9.29 V/m, z: 119.29 V/m
Maximum E-field location relative to DUT:
x: 44.00 mm, y: -168.67 mm, z: 0.00 m
Distance to -20.0 dB boundary:
67.61 mm
Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [μA/m] at center location



H-field magnitude [μA/m] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency (F = 85.00 MHz, α = 0.750 S/m, tissue density = 1,000 kg/m³)

	Peak incident fields [mV]		Peak E _{ind} [V/m, mV]			Peak J _{ind} [A/m ² , mA]	psSAR [mW/kg]		H-field extent		Warnings	
Distance [mm]	H _{inc} [A/m]	E _{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius [mm]	Sign	Vector potential	Boundary effect
0.00	188	120	3.18	3.21	3.21	2.24	5.89	4.41	183	1%	76%	37%
2.00	172	111	3.00	3.02	3.03	2.11	5.28	4.00	186	1%	76%	39%
5.00	147	83.7	2.74	2.77	2.77	1.95	4.52	3.49	191	1%	76%	43%

Compliance evaluation (Field values at the peak frequency) (F = 85.00 MHz, total field evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	PH _{inc} [A/m]	RL [mV]	PE _{inc} [V/m]	BR [mV]	PH _{inc} [A/m]	RL [mV]	PE _{inc} [V/m]	BR [mV]	PH _{inc} [A/m]	PE _{inc} [V/m]	PE _{inc} [V/m]	DRL [mV]	PH _{inc} [A/m]	PE _{inc} [V/m]	PE _{inc} [V/m]	BR [mV]	PH _{inc} [A/m]	PE _{inc} [V/m]	PE _{inc} [V/m]	BR [mV]
0.00	188	120	3.18	4.41	188	120	2.24	4.41	188	120	3.22	4.41	188	120	N/A	5.89	188	120	3.21	5.89
2.00	172	111	3.00	4.00	172	111	2.12	4.00	172	111	3.03	4.00	172	111	N/A	5.28	172	111	3.03	5.28
5.00	147	83.7	2.74	3.49	147	83.7	1.95	3.49	147	83.7	2.77	3.49	147	83.7	N/A	4.52	147	83.7	2.77	4.52

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH
0.00	8.94	N/A	6.25	N/A	0.28	N/A	37.5	5.16	13.2	N/A	1.15	N/A	0.84	N/A	0.18	N/A	2.09	2.55	N/A	N/A
2.00	8.17	N/A	5.77	N/A	0.26	N/A	34.3	4.77	12.5	N/A	1.05	N/A	0.78	N/A	0.17	N/A	1.91	2.36	N/A	N/A
5.00	7.02	N/A	4.35	N/A	0.24	N/A	29.5	3.59	11.5	N/A	0.90	N/A	0.59	N/A	0.16	N/A	1.64	1.78	N/A	N/A

Document generated at 2026/02/12 09:22:55, simulation performed at 2026/02/11 11:21:32 using Sim4Life version 8.0.1.15737

DASY8 Module WPT Measurement Report

Device under test

Info:
127 kHz Top
Serial number:
not set
Scenario:
not set

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5947
Probe model, serial no. and configuration date:
MAGPy-BH3D-E3Dv2, WP000257, 2025/04/24
Software version:
2.8.8, backend: 2.2.36

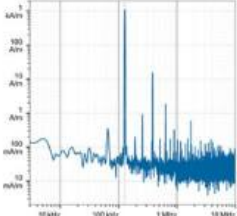
Scan info

Center location:
x: 0.00 m, y: 0.00 m, z: 50.00 mm
Dimensions:
x: 124.7 mm, y: 124.7 mm, z: 36.7 mm
Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
Completed on:
2026/02/11 14:08:25

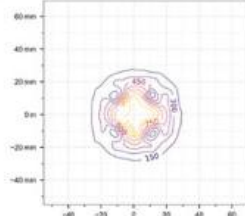
Measurement results

Maximum H-field [mV]:
MAGNITUDE: 1.09 kA/m
x: 150.09 A/m, y: 265.60 A/m, z: 1.05 kA/m
Maximum H-field location relative to DUT:
x: 3.67 mm, y: -3.67 mm, z: 8.50 mm
Minimum E-field [mV]:
MAGNITUDE: 88.25 V/m
x: 51.40 V/m, y: 30.05 V/m, z: 65.14 V/m
Maximum E-field location relative to DUT:
x: 0.00 m, y: 14.67 mm, z: 0.00 m
Distance to -20.0 dB boundary:
16.40 mm
Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [mV] at center location



H-field magnitude [mV] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency (f = 127.50 kHz, $\sigma = 0.750$ S/m, tissue density = 1,000 kg/m³)

Distance [mm]	Peak incident fields [mV]		Peak E _{inc} [V/m, m]			Peak E _{inc} [A/m ² , m]		psSAR [mW/kg]		H-field extent		Sign	Vector potential	Warnings Boundary effect
	H _{inc} [A/m]	E _{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	10g avg.	-20 dB radius [mm]				
0.00	2.616	88.3	8.49	8.61	8.81	5.15	24.3	10.3	10.3	29.6		4%	27%	15%
2.00	2.249	80.9	7.03	7.32	7.28	4.18	16.0	6.87	6.87	30.0		4%	27%	16%
5.00	1.699	59.0	5.01	5.23	5.18	3.00	8.34	3.77	3.77	30.5		4%	27%	22%

Compliance evaluation (Field values at the peak frequency) (f = 127.50 kHz, total field evaluation)

Distance [mm]	ICNIRP 2010/2020					ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	RL [m]	RL [m]	BR [m]	psSAR [mW/kg]	psSAR [mW/kg]	RL [m]	RL [m]	BR [m]	psSAR [mW/kg]	RL [m]	RL [m]	BR [m]	psSAR [mW/kg]	RL [m]	RL [m]	BR [m]	psSAR [mW/kg]	RL [m]	RL [m]	BR [m]	psSAR [mW/kg]
0.00	2.616	88.3	8.49	10.3	10.3	2.616	88.3	5.15	10.3	2.616	88.3	8.81	10.3	2.616	88.3	N/A	24.3	2.616	88.3	8.82	24.3
2.00	2.249	80.9	7.03	6.87	6.87	2.249	80.9	4.18	6.87	2.249	80.9	7.28	6.87	2.249	80.9	N/A	16.0	2.249	80.9	7.32	16.0
5.00	1.699	59.0	5.01	3.77	3.77	1.699	59.0	3.00	3.77	1.699	59.0	5.18	3.77	1.699	59.0	N/A	8.34	1.699	59.0	5.23	8.34

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation)

Distance [mm]	ICNIRP 2010/2020						ICNIRP 1998						IEEE 2019						FCC						HC Code 6					
	RL			BR			RL			BR			ERL			DRL			MPE			BR			RL			BR		
	E_{ref}	NS	TH	E_{ref}	NS	TH	E_{ref}	NS	TH	E_{ref}	NS	TH	E_{ref}	NS	TH	E_{ref}	NS	TH	E_{ref}	NS	TH	E_{ref}	NS	TH	E_{ref}	NS	TH	E_{ref}	NS	TH
0.00	125.0	68.1	5.75	0.78	0.49	<0.01	523.0	8.31	20.2	<0.01	16.1	9.16	0.78	0.22	0.33	<0.01	>999	1.58	N/A	N/A	0.02	29.1	457.0	5.75	N/A	0.51	0.02			
2.00	107.0	58.5	5.27	0.72	0.41	<0.01	450.0	7.62	16.4	<0.01	13.8	7.88	0.71	0.20	0.27	<0.01	>999	1.45	N/A	0.01	25.0	393.0	5.27	N/A	0.43	0.01				
5.00	80.9	44.2	3.84	0.52	0.29	<0.01	340.0	5.56	11.8	<0.01	10.4	5.95	0.52	0.15	0.19	<0.01	>999	1.06	N/A	<0.01	18.9	297.0	3.84	N/A	0.30	<0.01				

TR no.: 25091954-49401-0

2026-03-17

DASY8 Module WPT Measurement Report

Device under test

Info:
127kHz-Left
Serial number:
not set
Scenario:
25091954-49402-Molex_WCH-402-NS

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5947
Probe model, serial no. and configuration data:
MAGPy-8H3D+E3Dv2, WP000257, 2025/04/24
Software version:
2.8.8, backend: 2.2.36

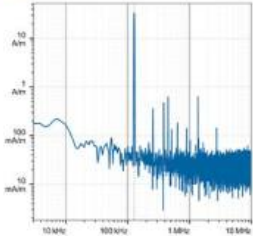
Scan info

Center location:
x: 0.00 m, y: 0.00 m, z: 96.00 mm
Dimensions:
x: 257.0 mm, y: 213.0 mm, z: 36.0 mm
Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
Completed on:
2026/02/12 10:27:44

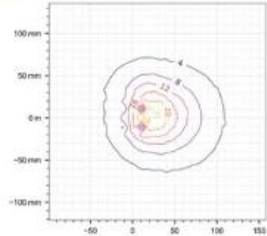
Measurement results

Maximum H-field [mA/m]:
MAGNITUDE: 24.68 A/m
x: 16.33 A/m, y: 1.45 A/m, z: 16.45 A/m
Maximum H-field location relative to DUT:
x: 18.33 mm, y: 3.67 mm, z: 8.50 mm
Maximum E-field [V/m]:
MAGNITUDE: 6.41 V/m
x: 499.51 mV/m, y: 51.29 mV/m, z: 6.39 V/m
Maximum E-field location relative to DUT:
x: 44.00 mm, y: 7.33 mm, z: 0.00 m
Distance to -20.0 dB boundary:
72.22 mm
Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [mA/m] at center location



H-field magnitude [mA/m] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency (f = 127.50 kHz, $\sigma = 0.780$ S/m, tissue density = 1,000 kg/m³)

	Peak incident fields [mV]		Peak E _{ind} [V/m, mV]			Peak J _{ind} [A/m ² , mV]	psSAR [mW/kg]		H-field extent		Warnings	
Distance [mm]	H _{inc} [A/m]	E _{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius [mm]	5g+	Vector potential	Boundary effect
0.00	44.4	6.41	0.544	0.553	0.555	0.364	0.138	0.0766	71.9	3%	33%	23%
2.00	39.7	6.18	0.486	0.495	0.497	0.323	0.109	0.0619	74.7	3%	33%	23%
5.00	32.6	5.47	0.403	0.411	0.411	0.271	0.0776	0.0452	79.8	3%	33%	27%

Compliance evaluation (Field values at the peak frequency) (f = 127.50 kHz, total field evaluation)

Distance [mm]	ICNIRP 2010/2020					ICNIRP 1998					IEEE 2019					FCC					HC Code 6				
	RL [mA]	PE _{inc} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]	BR [mA]	RL [mA]	PE _{inc} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]	BR [mA]	RL [mA]	PE _{inc} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]	BR [mA]	RL [mA]	PE _{inc} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]	BR [mA]	RL [mA]	PE _{inc} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]	BR [mA]
0.00	44.4	6.41	0.544	0.0766		44.4	6.41	0.364	0.0766		44.4	6.41	0.555	0.0766		44.4	6.41	N/A	0.138		44.4	6.41	0.554	0.138	
2.00	39.7	6.18	0.487	0.0619		39.7	6.18	0.323	0.0619		39.7	6.18	0.497	0.0619		39.7	6.18	N/A	0.109		39.7	6.18	0.495	0.109	
5.00	32.6	5.47	0.403	0.0452		32.6	5.47	0.271	0.0452		32.6	5.47	0.411	0.0452		32.6	5.47	N/A	0.0776		32.6	5.47	0.412	0.0776	

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation)

Distance [mm]	ICNIRP 2010/2020								ICNIRP 1998								IEEE 2019								FCC								HC Code 6							
	RL				BR				RL				BR				ERL				DRL				MPE				BR				RL				BR			
	μH_{loc}		E_{loc}		E_{ind}		μSAR		μH_{loc}		E_{loc}		E_{ind}		μSAR		μH_{loc}		E_{loc}		E_{ind}		μSAR		μH_{loc}		E_{loc}		E_{ind}		μSAR		μH_{loc}		E_{loc}		E_{ind}		μSAR	
NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH			
0.00	2.12	1.16	9.36	83.6	0.03	<0.01		8.89	18.5	1.51	<0.01	0.27	0.16	1.27	14.5	0.02	<0.01	27.3	4.24	N/A	<0.01	0.49	7.76	9.36	N/A	0.03	<0.01													
2.00	1.89	1.03	9.02	80.5	0.03	<0.01	7.94	17.8	1.35	<0.01	0.24	0.14	1.22	14.0	0.02	<0.01	24.4	4.09	N/A	<0.01	0.44	6.94	9.02	N/A	0.03	<0.01														
5.00	1.55	0.85	7.99	71.4	0.02	<0.01	6.52	15.8	1.13	<0.01	0.20	0.11	1.08	12.4	0.02	<0.01	20.0	3.62	N/A	<0.01	0.36	5.7	7.99	N/A	0.03	<0.01														

DASY8 Module WPT Measurement Report

Device under test

Info:
127kHz_Right
Serial number:
not set
Scenario:
25091954-49402-Molex_WCH-402-NS

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5947
Probe model, serial no. and configuration data:
MAGPy-8H3D+E3Dv2, WP000257, 2025/04/24
Software version:
2.8.8, backend: 2.2.36

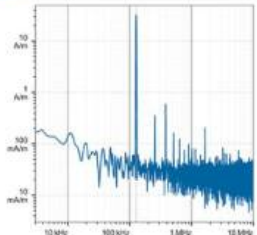
Scan info

Center location:
x: 0.00 m, y: 0.00 m, z: 97.00 mm
Dimensions:
x: 257.0 mm, y: 213.0 mm, z: 36.0 mm
Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
Completed on:
2026/02/12 12:56:29

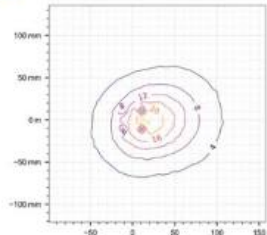
Measurement results

Maximum H-field [mA/m]:
MAGNITUDE: 24.10 A/m
x: 20.32 A/m, y: 1.65 A/m, z: 12.86 A/m
Maximum H-field location relative to DUT:
x: 18.33 mm, y: -3.67 mm, z: 8.50 mm
Maximum E-field [mV/m]:
MAGNITUDE: 4.39 V/m
x: 1.88 V/m, y: 938.38 mV/m, z: 3.85 V/m
Maximum E-field location relative to DUT:
x: 14.67 mm, y: 14.67 mm, z: 0.00 m
Distance to -20.0 dB boundary:
78.96 mm
Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [mA/m] at center location



H-field magnitude [mA/m] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency (f = 127.50 MHz, $\sigma = 0.780$ S/m, tissue density = 1,000 kg/m³)

	Peak incident fields [mV]		Peak E _{ind} [V/m, mV]			Peak J _{ind} [A/m ² , mA]	psSAR [mW/kg]		H-field extent		Warnings	
Distance [mm]	H _{inc} [A/m]	E _{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius [mm]	Sign	Vector potential	Boundary effect
0.00	40.3	4.39	0.528	0.537	0.539	0.352	0.131	0.0748	76.7	3%	27%	22%
2.00	35.7	4.14	0.474	0.483	0.485	0.315	0.105	0.061	79.5	3%	27%	24%
5.00	30.1	3.41	0.398	0.406	0.406	0.268	0.0763	0.0451	83.4	3%	27%	27%

Compliance evaluation (Field values at the peak frequency) (f = 127.50 MHz, total field evaluation)

Distance [mm]	ICNIRP 2010/2020					ICNIRP 1998					IEEE 2019					FCC					HC Code 6				
	RL [mA/m]	PE _{inc} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]	BR [mW/kg]	RL [mA/m]	PE _{inc} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]	BR [mW/kg]	ERL [mA/m]	PE _{inc} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]	BR [mW/kg]	MPE [mA/m]	PE _{inc} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]	BR [mW/kg]	RL [mA/m]	PE _{inc} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]	BR [mW/kg]
0.00	40.3	4.39	0.528	0.0748	0.0748	40.3	4.39	0.537	0.0748	0.0748	40.3	4.39	0.539	0.0748	0.0748	40.3	4.39	N/A	0.131	0.131	40.3	4.39	0.537	0.131	0.131
2.00	35.7	4.14	0.474	0.061	0.061	35.7	4.14	0.483	0.061	0.061	35.7	4.14	0.485	0.061	0.061	35.7	4.14	N/A	0.105	0.105	35.7	4.14	0.483	0.105	0.105
5.00	30.1	3.41	0.398	0.0451	0.0451	30.1	3.41	0.406	0.0451	0.0451	30.1	3.41	0.406	0.0451	0.0451	30.1	3.41	N/A	0.0763	0.0763	30.1	3.41	0.406	0.0763	0.0763

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation)

Distance [mm]	ICNIRP 2010/2020						ICNIRP 1998						IEEE 2019						FCC						HC Code 6					
	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH
0.00	1.92	1.05	1.25	5.0	0.03	<0.01	8.06	2.23	1.39	<0.01	0.25	0.14	0.17	0.93	0.02	<0.01	24.7	0.50	N/A	<0.01	0.45	7.94	1.25	N/A	0.03	<0.01	0.03	<0.01	0.03	<0.01
2.00	1.7	0.93	1.18	4.72	0.03	<0.01	7.14	2.11	1.25	<0.01	0.22	0.13	0.16	0.88	0.02	<0.01	21.9	0.47	N/A	<0.01	0.40	6.23	1.18	N/A	0.03	<0.01	0.03	<0.01	0.03	<0.01
5.00	1.43	0.78	0.97	3.89	0.02	<0.01	6.01	1.73	1.06	<0.01	0.18	0.11	0.13	0.72	0.02	<0.01	18.4	0.39	N/A	<0.01	0.33	5.25	0.97	N/A	0.02	<0.01	0.02	<0.01	0.02	<0.01

TR no.: 25091954-49401-0

2026-03-17

DASY8 Module WPT Measurement Report

Device under test

Info:
127kHz_Upper
Serial number:
not set
Scenario:
25091954-49402-Molex_WCH-402-NS

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5947
Probe model, serial no. and configuration data:
MAGPy-8H3D+E3Dv2, WP000257, 2025/04/24
Software version:
2.8.8, backend: 2.2.36

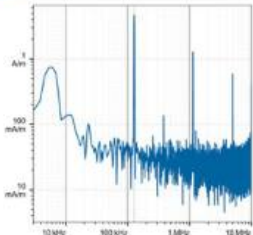
Scan info

Center location:
x: 0.00 m, y: 0.00 m, z: 159.00 mm
Dimensions:
x: 389.0 mm, y: 345.0 mm, z: 37.0 mm
Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
Completed on:
2026/02/12 14:38:01

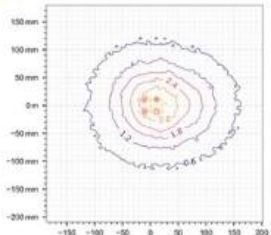
Measurement results

Maximum H-field [mA/m]:
MAGNITUDE: 3.89 A/m
x: 2.99 A/m, y: 109.27 mA/m, z: 2.49 A/m
Maximum H-field location relative to DUT:
x: 11.00 mm, y: 3.67 mm, z: 8.50 mm
Maximum E-field [V/m]:
MAGNITUDE: 1.07 V/m
x: 114.23 mV/m, y: 140.11 mV/m, z: 1.06 V/m
Maximum E-field location relative to DUT:
x: 44.00 mm, y: 7.33 mm, z: 0.00 m
Distance to -20.0 dB boundary:
125.53 mm
Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [mA/m] at center location



H-field magnitude [mA/m] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency (f = 127.50 MHz, $\sigma = 0.780$ S/m, tissue density = 1,000 kg/m³)

	Peak incident fields [mV]		Peak E_{ind} [V/m, mV]			Peak J_{ind} [A/m ² , mV]	psSAR [mW/kg]		H-field extent		Warnings	
Distance [mm]	H_{inc} [A/m]	E_{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius [mm]	Sign	Vector potential	Boundary effect
0.00	5.44	1.07	0.123	0.124	0.124	0.0863	8.57e-3	6.02e-3	136	2%	25%	34%
2.00	4.95	1.04	0.115	0.116	0.116	0.0809	7.53e-3	5.3e-3	140	2%	25%	35%
5.00	4.31	0.952	0.104	0.105	0.105	0.0735	6.21e-3	4.39e-3	147	2%	25%	37%

Compliance evaluation (Field values at the peak frequency) (f = 127.50 MHz, total field evaluation)

Distance [mm]	ICNIRP 2010/2020					ICNIRP 1998					IEEE 2019					FCC					HC Code 6				
	RL [mA]	PE _{inc} [V/m]	PE _{ind} [V/m]	BR [mW/kg]	psSAR [mW/kg]	RL [mA]	PE _{inc} [V/m]	PE _{ind} [V/m]	BR [mW/kg]	psSAR [mW/kg]	RL [mA]	PE _{inc} [V/m]	PE _{ind} [V/m]	BR [mW/kg]	psSAR [mW/kg]	RL [mA]	PE _{inc} [V/m]	PE _{ind} [V/m]	BR [mW/kg]	psSAR [mW/kg]	RL [mA]	PE _{inc} [V/m]	PE _{ind} [V/m]	BR [mW/kg]	psSAR [mW/kg]
0.00	5.44	1.07	0.123	6.02e-3	6.02e-3	5.44	1.07	0.0863	6.02e-3	6.02e-3	5.44	1.07	0.124	6.02e-3	6.02e-3	5.44	1.07	N/A	8.57e-3	8.57e-3	5.44	1.07	0.124	8.57e-3	8.57e-3
2.00	4.95	1.04	0.115	5.3e-3	5.3e-3	4.95	1.04	0.0809	5.3e-3	5.3e-3	4.95	1.04	0.116	5.3e-3	5.3e-3	4.95	1.04	N/A	7.53e-3	7.53e-3	4.95	1.04	0.116	7.53e-3	7.53e-3
5.00	4.31	0.952	0.104	4.39e-3	4.39e-3	4.31	0.952	0.0735	4.39e-3	4.39e-3	4.31	0.952	0.105	4.39e-3	4.39e-3	4.31	0.952	N/A	6.21e-3	6.21e-3	4.31	0.952	0.105	6.21e-3	6.21e-3

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation)

Distance [mm]	ICNIRP 2010/2020								ICNIRP 1998								IEEE 2019								FCC								HC Code 6							
	RL				BR				RL				BR				ERL				DRL				MPE				BR				RL				BR			
	μH_{loc}		μE_{loc}		μE_{ind}		μSAR		μH_{loc}		μE_{loc}		μE_{ind}		μSAR		μH_{loc}		μE_{loc}		μE_{ind}		μSAR		μH_{loc}		μE_{loc}		μE_{ind}		μSAR		μH_{loc}		μE_{loc}		μE_{ind}		μSAR	
NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	
0.00	0.26	0.14	0.12	0.67	<0.01	<0.01	1.09	0.16	0.34	<0.01	0.03	0.02	0.02	0.13	<0.01	<0.01	3.34	0.03	N/A	<0.01	0.06	0.95	0.12	N/A	<0.01	<0.01	0.06	0.87	0.11	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
2.00	0.24	0.13	0.11	0.65	<0.01	<0.01	0.99	0.16	0.32	<0.01	0.03	0.02	0.02	0.13	<0.01	<0.01	3.04	0.03	N/A	<0.01	0.06	0.87	0.11	N/A	<0.01	<0.01	0.06	0.87	0.11	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
5.00	0.21	0.11	0.10	0.59	<0.01	<0.01	0.86	0.14	0.29	<0.01	0.03	0.02	0.01	0.12	<0.01	<0.01	2.65	0.03	N/A	<0.01	0.05	0.75	0.10	N/A	<0.01	<0.01	0.05	0.75	0.10	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		

TR no.: 25091954-49401-0

2026-03-17

DASY8 Module WPT Measurement Report

Device under test

Info:
127kHz_Lower
Serial number:
not set
Scenario:
25091954-49402-Molex_WCH-402-NS

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5947
Probe model, serial no. and configuration data:
MAGPy-8H3D+E3Dv2, WP000257, 2025/04/24
Software version:
2.8.8, backend: 2.2.36

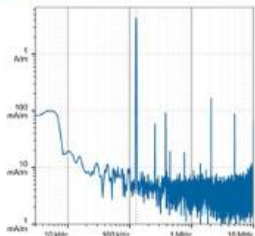
Scan info

Center location:
x: 0.00 m, y: 0.00 m, z: 159.00 mm
Dimensions:
x: 433.0 mm, y: 345.0 mm, z: 37.0 mm
Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
Completed on:
2026/02/16 10:33:09

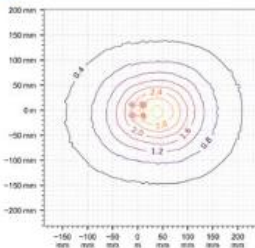
Measurement results

Maximum H-field [mA/m]:
MAGNITUDE: 3.29 A/m
x: 2.62 A/m, y: 101.16 mA/m, z: 1.99 A/m
Maximum H-field location relative to DUT:
x: 40.33 mm, y: -3.87 mm, z: 8.50 mm
Maximum E-field [V/m]:
MAGNITUDE: 1.63 V/m
x: 36.62 mV/m, y: 105.09 mV/m, z: 1.62 V/m
Maximum E-field location relative to DUT:
x: 44.00 mm, y: 7.33 mm, z: 0.00 m
Distance to -20.0 dB boundary:
154.00 mm
Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [mA/m] at center location



H-field magnitude [mA/m] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency (f = 127.50 kHz, $\sigma = 0.780$ S/m, tissue density = 1,000 kg/m³)

	Peak incident fields [mV]		Peak E_{ind} [V/m, rms]			Peak J_{ind} [A/m ² , rms]	psSAR [mW/kg]		H-field extent		Warnings	
Distance [mm]	H_{inc} [A/m]	E_{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius [mm]	Sign	Vector potential	Boundary effect
0.00	4.51	1.63	0.123	0.124	0.124	0.0864	8.68e-3	6.26e-3	158	2%	19%	33%
2.00	4.21	1.58	0.115	0.117	0.117	0.0813	7.70e-3	5.58e-3	162	2%	19%	35%
5.00	3.78	1.44	0.105	0.106	0.106	0.0743	6.45e-3	4.71e-3	168	2%	19%	38%

Compliance evaluation (Field values at the peak frequency) (f = 127.50 kHz, total field evaluation)

Distance [mm]	ICNIRP 2010/2020					ICNIRP 1998					IEEE 2019					FCC					HC Code 6				
	RL [mA]	pE _{inc} [V/m]	pE _{ind} [V/m]	BR [mW/kg]	psSAR [mW/kg]	pH _{inc} [A/m]	pE _{inc} [V/m]	pJ _{ind} [A/m ²]	BR [mW/kg]	psSAR [mW/kg]	pH _{inc} [A/m]	pE _{inc} [V/m]	pJ _{ind} [A/m ²]	BR [mW/kg]	psSAR [mW/kg]	pH _{inc} [A/m]	pE _{inc} [V/m]	pE _{ind} [V/m]	BR [mW/kg]	psSAR [mW/kg]	pH _{inc} [A/m]	pE _{inc} [V/m]	pE _{ind} [V/m]	BR [mW/kg]	psSAR [mW/kg]
0.00	4.51	1.63	0.123	6.26e-3	6.26e-3	4.51	1.63	0.0865	6.26e-3	6.26e-3	4.51	1.63	0.124	6.26e-3	6.26e-3	4.51	1.63	N/A	8.68e-3	8.68e-3	4.51	1.63	0.124	8.68e-3	8.68e-3
2.00	4.21	1.58	0.115	5.58e-3	5.58e-3	4.21	1.58	0.0813	5.58e-3	5.58e-3	4.21	1.58	0.117	5.58e-3	5.58e-3	4.21	1.58	N/A	7.70e-3	7.70e-3	4.21	1.58	0.117	7.70e-3	7.70e-3
5.00	3.78	1.44	0.105	4.71e-3	4.71e-3	3.78	1.44	0.0744	4.71e-3	4.71e-3	3.78	1.44	0.106	4.71e-3	4.71e-3	3.78	1.44	N/A	6.45e-3	6.45e-3	3.78	1.44	0.106	6.45e-3	6.45e-3

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation)

Distance [mm]	ICNIRP 2010/2020								ICNIRP 1998								IEEE 2019								FCC								HC Code 6							
	RL				BR				RL				BR				ERL				DRL				MPE				BR				RL				BR			
	μH_{loc}		E_{loc}		E_{ind}		μSAR		μH_{loc}		E_{loc}		E_{ind}		μSAR		μH_{loc}		E_{loc}		E_{ind}		μSAR		μH_{loc}		E_{loc}		E_{ind}		μSAR		μH_{loc}		E_{loc}		E_{ind}		μSAR	
	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH		
0.00	0.21	0.12	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	0.90	0.06	0.34	<0.01	<0.01	0.03	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	2.76	<0.01	N/A	<0.01	0.06	0.79	0.06	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
2.00	0.20	0.11	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	0.84	0.06	0.32	<0.01	<0.01	0.03	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	2.58	<0.01	N/A	<0.01	0.05	0.73	0.06	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
5.00	0.18	0.10	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	0.76	0.05	0.29	<0.01	<0.01	0.02	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	2.32	<0.01	N/A	<0.01	0.04	0.66	0.05	N/A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	

TR no.: 25091954-49401-0

2026-03-17

DASY8 Module WPT Measurement Report

Device under test

Info:
130 kHz Top

Serial number:
not set

Scenario:
not set

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5947
Probe model, serial no. and configuration data:
MAGPy-8H3D+E3Dv2, WP000257, 2025/04/24
Software version:
2.8.8, backend: 2.2.36

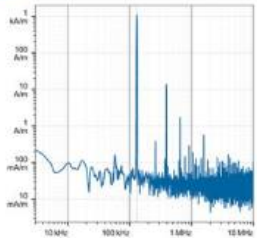
Scan info

Center location:
x: 0.00 m, y: 0.00 m, z: 50.00 mm
Dimensions:
x: 124.7 mm, y: 124.7 mm, z: 36.7 mm
Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
Completed on:
2026/02/11 14:50:04

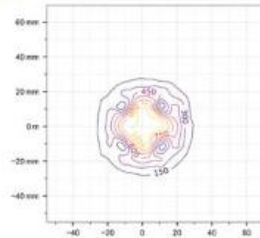
Measurement results

Maximum H-field [mA/m]:
MAGNITUDE: 1.10 kA/m
x: 154.56 mm, y: 262.46 mm, z: 1.05 mm
Maximum H-field location relative to DUT:
x: 3.67 mm, y: -3.67 mm, z: 8.50 mm
Maximum E-field [V/m]:
MAGNITUDE: 110.59 V/m
x: 42.27 mm, y: 27.81 mm, z: 98.33 mm
Maximum E-field location relative to DUT:
x: 7.33 mm, y: 7.33 mm, z: 0.00 mm
Distance to -20.0 dB boundary:
16.40 mm
Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [mA/m] at center location



H-field magnitude [mA/m] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency (f = 130.44 kHz, $\sigma = 0.790$ S/m, tissue density = 1,000 kg/m³)

Distance [mm]	Peak incident fields [mA]			Peak E _{ind} [V/m, mA]			Peak J _{ind} [A/m ² , mA]			psSAR [mW/kg]		H-field extent		Sign	Vector potential	Warnings Boundary effect
	H _{inc} [A/m]	E _{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	10g avg.	-20 dB radius [mm]						
0.00	2,629	111	8.75	9.08	9.08	5.28	25.7	10.9	10.9	29.8				3%	27%	15%
2.00	2,260	100	7.25	7.54	7.50	4.32	17.0	7.29	7.29	30.0				3%	27%	16%
5.00	1,707	69.2	5.15	5.38	5.33	3.09	8.84	3.99	3.99	30.5				3%	27%	22%

Compliance evaluation (Field values at the peak frequency) (f = 130.44 kHz, total field evaluation)

Distance [mm]	ICNIRP 2010/2020					ICNIRP 1998					IEEE 2019					FCC					HC Code 6				
	RL [mA]	PE _{inc} [V/m]	PE _{ind} [V/m]	BR [mA]	psSAR [mW/kg]	RL [mA]	PE _{inc} [V/m]	PE _{ind} [V/m]	BR [mA]	psSAR [mW/kg]	ERL [mA]	PE _{inc} [V/m]	PE _{ind} [V/m]	BR [mA]	psSAR [mW/kg]	PE _{inc} [A/m]	PE _{inc} [V/m]	PE _{ind} [V/m]	BR [mA]	psSAR [mW/kg]	PE _{inc} [A/m]	PE _{inc} [V/m]	PE _{ind} [V/m]	BR [mA]	psSAR [mW/kg]
0.00	2,629	111	8.76	10.9	10.9	2,629	111	5.28	10.9	10.9	2,629	111	9.08	10.9	10.9	2,629	111	N/A	25.7	25.7	2,629	111	9.09	25.7	25.7
2.00	2,260	100	7.25	7.29	7.29	2,260	100	4.32	7.29	7.29	2,260	100	7.51	7.29	7.29	2,260	100	N/A	17.0	17.0	2,260	100	7.55	17.0	17.0
5.00	1,707	69.2	5.15	3.99	3.99	1,707	69.2	3.09	3.99	3.99	1,707	69.2	5.33	3.99	3.99	1,707	69.2	N/A	8.84	8.84	1,707	69.2	5.39	8.84	8.84

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation)

Distance [mm]	ICNIRP 2010/2020						ICNIRP 1998				IEEE 2019				FCC				HC Code 6							
	RL		BR		RL		BR		ERL		DRL		MPE		BR		RL		BR							
	μE_{loc}	μE_{inc}	μE_{ind}	psSAR	μH_{loc}	μE_{loc}	μH_{loc}	psSAR	μE_{loc}	μE_{inc}	μE_{ind}	psSAR	μH_{loc}	μE_{inc}	μE_{ind}	psSAR	μH_{loc}	μE_{inc}	μE_{ind}	psSAR						
	NS	TH	NS	TH	NS	TH	N/A	N/A	NS	TH	NS	TH	NS	TH	N/A	N/A	NS	TH	NS	TH						
0.00	125.0	70.0	2.27	0.08	0.50	<0.01	526.0	1.81	20.2	<0.01	16.1	9.42	0.31	0.10	0.33	<0.01	>999	0.31	N/A	0.02	29.2	470.0	2.27	N/A	0.52	0.02
2.00	108.0	60.2	2.05	0.07	0.41	<0.01	452.0	1.64	16.6	<0.01	13.9	8.1	0.28	0.09	0.25	<0.01	>999	0.28	N/A	0.01	25.1	404.0	2.05	N/A	0.43	0.01
5.00	81.3	45.4	1.42	0.05	0.29	<0.01	341.0	1.13	11.9	<0.01	10.5	6.12	0.19	0.06	0.20	<0.01	>999	0.19	N/A	<0.01	19.0	305.0	1.42	N/A	0.31	<0.01

TR no.: 25091954-49401-0

2026-03-17

DASY8 Module WPT Measurement Report

Device under test

Info:
130kHz_Left
Serial number:
not set
Scenario:
25091954-49402-Molex_WCH-402-NS

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5947
Probe model, serial no. and configuration data:
MAGPy-8H3D+E3Dv2, WP000257, 2025/04/24
Software version:
2.8.8, backend: 2.2.36

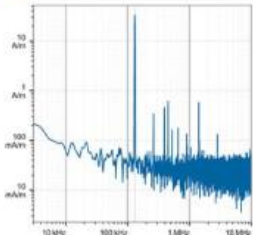
Scan info

Center location:
x: 0.00 m, y: 0.00 m, z: 96.00 mm
Dimensions:
x: 257.0 mm, y: 213.0 mm, z: 36.0 mm
Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
Completed on:
2026/02/12 10:58:12

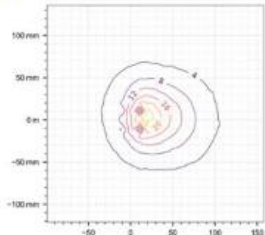
Measurement results

Maximum H-field [mA/m]:
MAGNITUDE: 24.66 A/m
x: 17.64 A/m, y: 3.90 A/m, z: 16.78 A/m
Maximum H-field location relative to DUT:
x: 18.33 mm, y: -3.67 mm, z: 8.50 mm
Maximum E-field [V/m]:
MAGNITUDE: 3.59 V/m
x: 376.00 mV/m, y: 122.09 mV/m, z: 3.56 V/m
Maximum E-field location relative to DUT:
x: 44.00 mm, y: 7.33 mm, z: 0.00 m
Distance to -20.0 dB boundary:
67.61 mm
Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [mA/m] at center location



H-field magnitude [mA/m] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency (f = 130.44 kHz, $\sigma = 0.780 \text{ S/m}$, tissue density = 1,000 kg/m³)

	Peak incident fields [m]		Peak E _{ind} [V/m, m]			Peak J _{ind} [A/m ² , m]	psSAR [mW/kg]		H-field extent		Warnings	
Distance [mm]	H _{inc} [A/m]	E _{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius [mm]	Sign	Vector potential	Boundary effect
0.00	44.6	3.59	0.525	0.534	0.536	0.351	0.128	0.0707	68.6	3%	33%	23%
2.00	39.8	3.45	0.469	0.478	0.48	0.312	0.102	0.0572	71.3	3%	33%	22%
5.00	32.5	3.04	0.399	0.398	0.398	0.262	0.0723	0.0418	76.6	3%	33%	24%

Compliance evaluation (Field values at the peak frequency) (f = 130.44 kHz, total field evaluation)

Distance [mm]	ICNIRP 2010/2020					ICNIRP 1998					IEEE 2019					FCC					HC Code 6				
	RL [mA]	pE _{inc} [V/m]	pE _{ind} [V/m]	BR [mA]	psSAR [mW/kg]	pH _{inc} [A/m]	pE _{inc} [V/m]	pJ _{ind} [A/m ²]	psSAR [mW/kg]	pH _{inc} [A/m]	pE _{inc} [V/m]	pE _{ind} [V/m]	psSAR [mW/kg]	pH _{inc} [A/m]	pE _{inc} [V/m]	pE _{ind} [V/m]	psSAR [mW/kg]	pH _{inc} [A/m]	pE _{inc} [V/m]	pE _{ind} [V/m]	psSAR [mW/kg]	pH _{inc} [A/m]	pE _{inc} [V/m]	pE _{ind} [V/m]	psSAR [mW/kg]
0.00	44.6	3.59	0.526	0.0707	0.0707	44.6	3.59	0.351	0.0707	44.6	3.59	0.536	0.0707	44.6	3.59	N/A	0.128	44.6	3.59	0.535	0.128	44.6	3.59	0.535	0.128
2.00	39.8	3.45	0.47	0.0572	0.0572	39.8	3.45	0.312	0.0572	39.8	3.45	0.48	0.0572	39.8	3.45	N/A	0.102	39.8	3.45	0.478	0.102	39.8	3.45	0.478	0.102
5.00	32.5	3.04	0.39	0.0418	0.0418	32.5	3.04	0.262	0.0418	32.5	3.04	0.398	0.0418	32.5	3.04	N/A	0.0723	32.5	3.04	0.398	0.0723	32.5	3.04	0.398	0.0723

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation)

Distance [mm]	ICNIRP 2010/2020						ICNIRP 1998						IEEE 2019						FCC						HC Code 6					
	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH
0.00	2.12	1.19	3.89	21.5	0.03	<0.01	8.92	7.04	1.38	<0.01	0.27	0.16	0.53	3.55	0.02	<0.01	27.4	1.49	N/A	<0.01	0.50	7.97	3.89	N/A	0.03	<0.01	2.12	1.19	3.89	21.5
2.00	1.89	1.06	3.74	20.6	0.03	<0.01	7.95	6.77	1.23	<0.01	0.24	0.14	0.51	3.42	0.02	<0.01	24.4	1.43	N/A	<0.01	0.44	7.11	3.74	N/A	0.03	<0.01	1.89	1.06	3.74	20.6
5.00	1.55	0.87	3.29	18.2	0.02	<0.01	6.51	5.96	1.03	<0.01	0.20	0.12	0.45	3.01	0.01	<0.01	20.0	1.26	N/A	<0.01	0.36	5.81	3.29	N/A	0.02	<0.01	1.55	0.87	3.29	18.2

TR no.: 25091954-49401-0

2026-03-17

DASY8 Module WPT Measurement Report

Device under test

Info:
130kHz_Right
Serial number:
not set
Scenario:
25091954-49402-Molex_WCH-402-NS

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5947
Probe model, serial no. and configuration data:
MAGPy-8H3D+E3Dv2, WP000257, 2025/04/24
Software version:
2.8.8, backend: 2.2.36

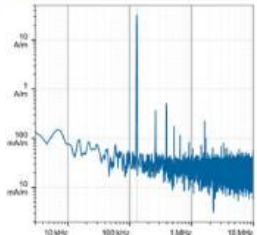
Scan info

Center location:
x: 0.00 m, y: 0.00 m, z: 97.00 mm
Dimensions:
x: 257.0 mm, y: 213.0 mm, z: 36.0 mm
Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
Completed on:
2026/02/12 12:26:56

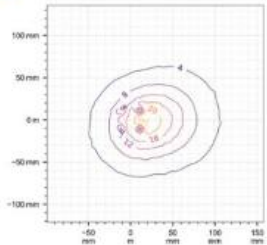
Measurement results

Maximum H-field [mA/m]:
MAGNITUDE: 24.21 A/m
x: 20.42 A/m, y: 1.68 A/m, z: 12.90 A/m
Maximum H-field location relative to DUT:
x: 18.33 mm, y: -3.67 mm, z: 8.50 mm
Maximum E-field [V/m]:
MAGNITUDE: 6.59 V/m
x: 1.59 V/m, y: 1.18 V/m, z: 5.28 V/m
Maximum E-field location relative to DUT:
x: 14.67 mm, y: 14.67 mm, z: 0.00 mm
Distance to -20.0 dB boundary:
78.96 mm
Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [mA/m] at center location



H-field magnitude [mA/m] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency (f = 130.44 kHz, $\sigma = 0.790$ S/m, tissue density = 1,000 kg/m³)

Distance [mm]	Peak incident fields [mA]			Peak E _{ind} [V/m, rms]			Peak J _{ind} [A/m ² , rms]			psSAR [mW/kg]		H-field extent		Sign	Vector potential	Warnings Boundary effect
	H _{inc} [A/m]	E _{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	10g avg.	-20 dB radius [mm]						
0.00	40.5	6.59	0.54	0.549	0.551	0.360	0.137	0.0781	0.0781	76.4	3%	27%	22%			
2.00	35.8	6.13	0.485	0.494	0.496	0.322	0.110	0.0637	0.0637	79.3	3%	27%	23%			
5.00	30.2	4.76	0.406	0.415	0.415	0.274	0.0797	0.0471	0.0471	83.1	3%	27%	26%			

Compliance evaluation (Field values at the peak frequency) (f = 130.44 kHz, total field evaluation)

Distance [mm]	ICNIRP 2010/2020					ICNIRP 1998					IEEE 2019					FCC					HC Code 6				
	$P_{H_{ref}}$ [A/m]	$P_{E_{ref}}$ [V/m]	$P_{E_{ind}}$ [V/m]	BR [mA]	psSAR [mW/kg]	$P_{H_{ref}}$ [A/m]	$P_{E_{ref}}$ [V/m]	$P_{A_{ref}}$ [A/m ²]	psSAR [mW/kg]	$P_{H_{ref}}$ [A/m]	$P_{E_{ref}}$ [V/m]	$P_{E_{ind}}$ [V/m]	psSAR [mW/kg]	$P_{H_{ref}}$ [A/m]	$P_{E_{ref}}$ [V/m]	$P_{E_{ind}}$ [V/m]	psSAR [mW/kg]	$P_{H_{ref}}$ [A/m]	$P_{E_{ref}}$ [V/m]	$P_{E_{ind}}$ [V/m]	psSAR [mW/kg]	$P_{H_{ref}}$ [A/m]	$P_{E_{ref}}$ [V/m]	$P_{E_{ind}}$ [V/m]	psSAR [mW/kg]
0.00	40.5	6.59	0.540	0.0781		40.5	6.59	0.361	0.0781	40.5	6.59	0.552	0.0781	40.5	6.59	N/A	0.137	40.5	6.59	N/A	0.137	40.5	6.59	0.549	0.137
2.00	35.8	6.13	0.485	0.0637		35.8	6.13	0.323	0.0637	35.8	6.13	0.496	0.0637	35.8	6.13	N/A	0.110	35.8	6.13	N/A	0.110	35.8	6.13	0.494	0.110
5.00	30.2	4.76	0.407	0.0471		30.2	4.76	0.274	0.0471	30.2	4.76	0.415	0.0471	30.2	4.76	N/A	0.0797	30.2	4.76	N/A	0.0797	30.2	4.76	0.415	0.0797

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation)

Distance [mm]	ICNIRP 2010/2020						ICNIRP 1998						IEEE 2019						FCC						HC Code 6					
	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH
0.00	1.93	1.08	2.42	7.11	0.03	<0.01	8.11	4.73	1.4	<0.01	0.25	0.15	0.33	1.24	0.02	<0.01	24.9	1.08	N/A	<0.01	0.45	7.24	2.42	N/A	0.03	<0.01	0.45	7.24	2.42	N/A
2.00	1.7	0.95	2.25	6.62	0.03	<0.01	7.16	4.4	1.26	<0.01	0.22	0.13	0.30	1.16	0.02	<0.01	22.0	1.0	N/A	<0.01	0.40	6.4	2.25	N/A	0.03	<0.01	0.40	6.4	2.25	N/A
5.00	1.44	0.80	1.75	5.14	0.02	<0.01	6.04	3.42	1.06	<0.01	0.19	0.11	0.24	0.90	0.02	<0.01	18.5	0.78	N/A	<0.01	0.34	5.39	1.75	N/A	0.02	<0.01	0.34	5.39	1.75	N/A

TR no.: 25091954-49401-0

2026-03-17

DASY8 Module WPT Measurement Report

Device under test

Info:
130kHz_Upper
Serial number:
not set
Scenario:
25091954-49402-Molex_WCH-402-NS

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5947
Probe model, serial no. and configuration data:
MAGPy-8H3D+E3Dv2, WP000257, 2025/04/24
Software version:
2.8.8, backend: 2.2.36

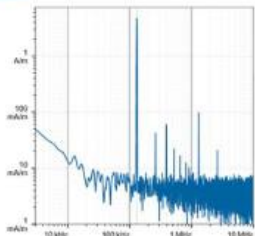
Scan info

Center location:
x: 0.00 m, y: 0.00 m, z: 159.00 mm
Dimensions:
x: 433.0 mm, y: 345.0 mm, z: 37.0 mm
Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
Completed on:
2026/02/13 10:32:39

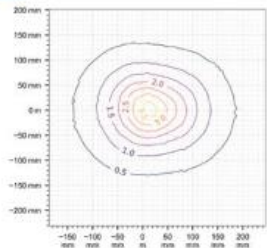
Measurement results

Maximum H-field [mA/m]:
MAGNITUDE: 3.80 A/m
x: 2.77 A/m, y: 439.64 mA/m, z: 2.56 A/m
Maximum H-field location relative to DUT:
x: 11.00 mm, y: -11.00 mm, z: 8.50 mm
Maximum E-field [mV/m]:
MAGNITUDE: 628.47 mV/m
x: 520.60 mV/m, y: 321.98 mV/m, z: 142.38 mV/m
Maximum E-field location relative to DUT:
x: 0.00 m, y: 44.00 mm, z: 0.00 m
Distance to -20.0 dB boundary:
135.22 mm
Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [mA/m] at center location



H-field magnitude [mA/m] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency (f = 130.44 kHz, $\sigma = 0.790$ S/m, tissue density = 1,000 kg/m³)

	Peak incident fields [mV]		Peak E _{ind} [V/m, rms]			Peak J _{ind} [A/m ² , rms]	psSAR [mW/kg]		H-field extent		Warnings	
Distance [mm]	H _{inc} [A/m]	E _{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius [mm]	Sign	Vector potential	Boundary effect
0.00	5.26	0.628	0.135	0.136	0.136	0.0951	0.0105	7.55e-3	149	2%	11%	33%
2.00	4.87	0.611	0.127	0.128	0.128	0.0893	9.29e-3	6.71e-3	154	2%	11%	35%
5.00	4.30	0.56	0.115	0.116	0.116	0.0815	7.74e-3	5.64e-3	160	2%	11%	38%

Compliance evaluation (Field values at the peak frequency) (f = 130.44 kHz, total field evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	RL [mV]	PE _{inc} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]	RL [mV]	PE _{inc} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]	PE _{inc} [V/m]	PE _{ind} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]	PE _{inc} [V/m]	PE _{ind} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]	PE _{inc} [V/m]	PE _{ind} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]
0.00	5.26	0.628	0.135	7.55e-3	5.26	0.628	0.0951	7.55e-3	5.26	0.628	0.136	7.55e-3	5.26	0.628	N/A	0.0105	5.26	0.628	0.136	0.0105
2.00	4.87	0.611	0.127	6.71e-3	4.87	0.611	0.0893	6.71e-3	4.87	0.611	0.128	6.71e-3	4.87	0.611	N/A	9.29e-3	4.87	0.611	0.128	9.29e-3
5.00	4.30	0.56	0.115	5.64e-3	4.30	0.56	0.0815	5.64e-3	4.30	0.56	0.116	5.64e-3	4.30	0.56	N/A	7.74e-3	4.30	0.56	0.116	7.74e-3

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH
0.00	0.25	0.14	0.03	<0.01	<0.01	<0.01	1.05	0.03	0.36	<0.01	0.03	0.02	<0.01	<0.01	<0.01	<0.01	3.23	<0.01	N/A	<0.01
2.00	0.23	0.13	0.03	<0.01	<0.01	<0.01	0.97	0.03	0.34	<0.01	0.03	0.02	<0.01	<0.01	<0.01	<0.01	2.99	<0.01	N/A	<0.01
5.00	0.20	0.11	0.03	<0.01	<0.01	<0.01	0.86	0.03	0.31	<0.01	0.03	0.02	<0.01	<0.01	<0.01	<0.01	2.64	<0.01	N/A	<0.01

TR no.: 25091954-49401-0

2026-03-17

DASY8 Module WPT Measurement Report

Device under test

Info:
130kHz_Lower
Serial number:
not set
Scenario:
25091954-49402-Molex_WCH-402-NS

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5947
Probe model, serial no. and configuration data:
MAGPy-8H3D+E3Dv2, WP000257, 2025/04/24
Software version:
2.8.8, backend: 2.2.36

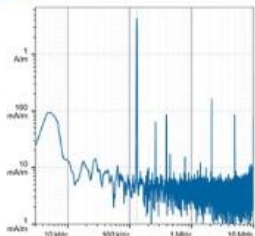
Scan info

Center location:
x: 0.00 m, y: 0.00 m, z: 159.00 mm
Dimensions:
x: 433.0 mm, y: 345.0 mm, z: 37.0 mm
Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
Completed on:
2026/02/13 14:43:30

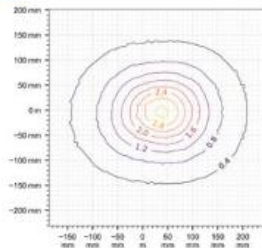
Measurement results

Maximum H-field [mA/m]:
MAGNITUDE: 3.29 A/m
x: 2.60 A/m, y: 99.85 mA/m, z: 2.01 A/m
Maximum H-field location relative to DUT:
x: 40.33 mm, y: -3.67 mm, z: 8.50 mm
Maximum E-field [mV/m]:
MAGNITUDE: 1.04 V/m
x: 68.23 mV/m, y: 152.03 mV/m, z: 1.03 V/m
Maximum E-field location relative to DUT:
x: 44.00 mm, y: 7.33 mm, z: 0.00 m
Distance to -20.0 dB boundary:
154.00 mm
Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [mA/m] at center location



H-field magnitude [mA/m] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency (f = 130.44 kHz, $\sigma = 0.790$ S/m, tissue density = 1,000 kg/m³)

	Peak incident fields [mV]		Peak E _{ind} [V/m, mV]			Peak J _{ind} [A/m ² , mV]	psSAR [mW/kg]		H-field extent		Warnings	
Distance [mm]	H _{inc} [A/m]	E _{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius [mm]	Sign	Vector potential	Boundary effect
0.00	4.51	1.04	0.125	0.127	0.127	0.0884	9.08e-3	6.56e-3	158	2%	10%	33%
2.00	4.20	1.01	0.118	0.119	0.119	0.0832	8.05e-3	5.84e-3	161	2%	10%	35%
5.00	3.77	0.917	0.107	0.108	0.108	0.076	6.74e-3	4.92e-3	167	2%	10%	38%

Compliance evaluation (Field values at the peak frequency) (f = 130.44 kHz, total field evaluation)

Distance [mm]	ICNIRP 2010/2020					ICNIRP 1998					IEEE 2019					FCC					HC Code 6				
	$P_{H_{inc}}$ [A/m]	$P_{E_{inc}}$ [V/m]	$P_{E_{ind}}$ [V/m]	$psSAR$ [mW/kg]	BR [mW]	$P_{H_{inc}}$ [A/m]	$P_{E_{inc}}$ [V/m]	$P_{J_{ind}}$ [A/m ²]	$psSAR$ [mW/kg]	BR [mW]	$P_{H_{inc}}$ [A/m]	$P_{E_{inc}}$ [V/m]	$P_{E_{ind}}$ [V/m]	$psSAR$ [mW/kg]	DRL [mW]	$P_{H_{inc}}$ [A/m]	$P_{E_{inc}}$ [V/m]	$P_{E_{ind}}$ [V/m]	$psSAR$ [mW/kg]	BR [mW]	$P_{H_{inc}}$ [A/m]	$P_{E_{inc}}$ [V/m]	$P_{E_{ind}}$ [V/m]	$psSAR$ [mW/kg]	BR [mW]
0.00	4.51	1.04	0.125	6.56e-3		4.51	1.04	0.0885	6.56e-3		4.51	1.04	0.127	6.56e-3		4.51	1.04	N/A	9.08e-3		4.51	1.04	0.127	6.56e-3	
2.00	4.20	1.01	0.118	5.84e-3		4.20	1.01	0.0832	5.84e-3		4.20	1.01	0.119	5.84e-3		4.20	1.01	N/A	8.05e-3		4.20	1.01	0.119	5.84e-3	
5.00	3.77	0.917	0.107	4.92e-3		3.77	0.917	0.0760	4.92e-3		3.77	0.917	0.108	4.92e-3		3.77	0.917	N/A	6.74e-3		3.77	0.917	0.108	4.92e-3	

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation)

Distance [mm]	ICNIRP 2010/2020						ICNIRP 1998				IEEE 2019				FCC				HC Code 6							
	RL			BR			RL		BR		ERL		DRL		MPE		BR		RL		BR					
	μH_{loc}	μE_{loc}	μE_{ind}	μH_{loc}	μE_{loc}	μE_{ind}	μH_{loc}	μE_{loc}	μH_{loc}	μE_{loc}	μH_{loc}	μE_{loc}	μE_{ind}	μH_{loc}	μE_{loc}	μE_{ind}	μH_{loc}	μE_{loc}	μE_{ind}	μH_{loc}	μE_{loc}	μE_{ind}				
	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH				
0.00	0.21	0.12	0.07	<0.01	<0.01	<0.01	0.90	0.07	0.34	<0.01	0.03	0.02	<0.01	0.02	<0.01	<0.01	2.76	<0.01	N/A	<0.01	0.05	0.81	0.07	N/A	<0.01	<0.01
2.00	0.20	0.11	0.07	<0.01	<0.01	<0.01	0.84	0.06	0.32	<0.01	0.03	0.02	<0.01	0.02	<0.01	<0.01	2.58	<0.01	N/A	<0.01	0.05	0.75	0.07	N/A	<0.01	<0.01
5.00	0.18	0.10	0.06	<0.01	<0.01	<0.01	0.75	0.06	0.29	<0.01	0.02	0.01	<0.01	0.01	<0.01	<0.01	2.31	<0.01	N/A	<0.01	0.04	0.67	0.06	N/A	<0.01	<0.01

TR no.: 25091954-49401-0

2026-03-17

DASY8 Module WPT Measurement Report

Device under test

Info:
360kHz_Top
Serial number:
not set
Scenario:
25091954-49402-Molex_WCH-402-NS 360kHz_Top

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5947
Probe model, serial no. and configuration data:
MAGPy-8H3D+E3Dv2, WP000257, 2025/04/24
Software version:
2.8.8, backend: 2.2.36

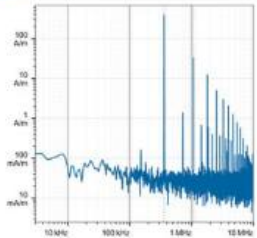
Scan info

Center location:
x: 0.00 m, y: 0.00 m, z: 50.00 mm
Dimensions:
x: 124.7 mm, y: 124.7 mm, z: 36.7 mm
Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
Completed on:
2026/02/12 09:21:41

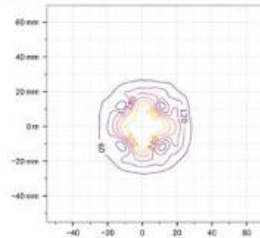
Measurement results

Maximum H-field [mA/m]
MAGNITUDE: 400.14 A/m
x: 56.53 A/m, y: 94.82 A/m, z: 384.61 A/m
Maximum H-field location relative to DUT:
x: 3.67 mm, y: -3.67 mm, z: 8.50 mm
Maximum E-field [V/m]
MAGNITUDE: 540.29 V/m
x: 2.76 V/m, y: 3.33 V/m, z: 540.28 V/m
Maximum E-field location relative to DUT:
x: 7.33 mm, y: 0.00 m, z: 0.00 m
Distance to -20.0 dB boundary:
16.40 mm
Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [mA/m] at center location



H-field magnitude [mA/m] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency (f = 359.58 kHz, $\sigma = 0.790$ S/m, tissue density = 1,000 kg/m³)

	Peak incident fields [mV]		Peak E_{ind} [V/m, mV]			Peak J_{ind} [A/m ² , mA]	psSAR [mW/kg]		H-field extent		Warnings	
Distance [mm]	H_{inc} [A/m]	E_{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius [mm]	5g ⁺	Vector potential	Boundary effect
0.00	949	540	8.69	9.02	9.02	5.24	25.4	10.7	29.6	2%	27%	15%
2.00	816	489	7.20	7.49	7.46	4.27	16.8	7.17	29.8	2%	27%	16%
5.00	616	337	5.12	5.35	5.30	3.07	8.70	3.93	30.3	2%	27%	22%

Compliance evaluation (Field values at the peak frequency) (f = 359.58 kHz, total field evaluation)

Distance [mm]	ICNIRP 2010/2020					ICNIRP 1998					IEEE 2019					FCC					HC Code 6				
	RL [mV]	RL [mV]	BR [mV]	psSAR [mW/kg]	psSAR [mW/kg]	RL [mV]	RL [mV]	BR [mV]	psSAR [mW/kg]	psSAR [mW/kg]	ERL [mV]	ERL [mV]	DR [mV]	psSAR [mW/kg]	psSAR [mW/kg]	MPE [mV]	MPE [mV]	BR [mV]	psSAR [mW/kg]	psSAR [mW/kg]	RL [mV]	RL [mV]	BR [mV]	psSAR [mW/kg]	psSAR [mW/kg]
0.00	949	540	8.74	10.7	10.7	949	540	5.28	10.7	10.7	949	540	9.07	10.7	10.7	949	540	N/A	25.4	25.4	949	540	9.07	25.4	25.4
2.00	816	489	7.25	7.17	7.17	816	489	4.31	7.17	7.17	816	489	7.51	7.17	7.17	816	489	N/A	16.8	16.8	816	489	7.54	16.8	16.8
5.00	616	337	5.15	3.93	3.93	616	337	3.09	3.93	3.93	616	337	5.33	3.93	3.93	616	337	N/A	8.70	8.70	616	337	5.38	8.70	8.70

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation)

Distance [mm]	ICNIRP 2010/2020						ICNIRP 1998				IEEE 2019				FCC				HC Code 6							
	RL		BR		psSAR	TH	RL		BR		ERL		DRL		MPE		BR		RL		BR					
	μH_{loc}	μE_{loc}	μE_{ind}	μH_{loc}			μE_{loc}	μH_{ind}	μE_{loc}	μE_{ind}	μH_{loc}	μE_{loc}	μE_{ind}	μH_{loc}	μE_{loc}	μE_{ind}	μH_{loc}	μE_{loc}	μE_{ind}	μH_{loc}	μE_{loc}	μE_{ind}	μH_{loc}	μE_{loc}		
	NS	TH	NS	TH	NS	TH	N/A	N/A	NS	TH	NS	TH	NS	TH	N/A	N/A	N/A	N/A	NS	TH	NS	TH	NS	TH		
0.00	49.0	74.1	15.5	1.88	0.20	<0.01	498.0	10.3	8.04	<0.01	6.31	9.98	2.09	0.76	0.13	<0.01	586.0	2.48	N/A	0.02	11.4	498.0	15.5	N/A	0.20	0.02
2.00	42.1	63.7	14.0	1.7	0.16	<0.01	428.0	9.38	6.57	<0.01	5.43	8.58	1.9	0.69	0.11	<0.01	504.0	2.25	N/A	0.01	9.83	428.0	14.0	N/A	0.17	0.01
5.00	31.8	48.2	9.66	1.17	0.12	<0.01	323.0	6.46	4.71	<0.01	4.1	6.48	1.31	0.48	0.08	<0.01	381.0	1.55	N/A	<0.01	7.43	323.0	9.66	N/A	0.12	<0.01

TR no.: 25091954-49401-0

2026-03-17

DASY8 Module WPT Measurement Report

Device under test

Info:
360kHz_Left
Serial number:
not set
Scenario:
25091954-49402-Molex_WCH-402-NS

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5947
Probe model, serial no. and configuration data:
MAGPy-8H3D+E3Dv2, WP000257, 2025/04/24
Software version:
2.8.8, backend: 2.2.36

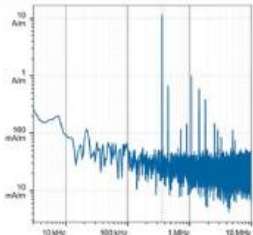
Scan info

Center location:
x: 0.00 m, y: 0.00 m, z: 96.00 mm
Dimensions:
x: 213.0 mm, y: 213.0 mm, z: 36.0 mm
Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
Completed on:
2026/02/12 11:23:47

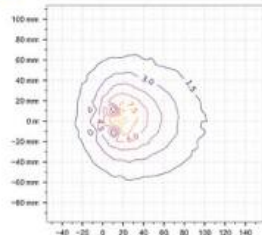
Measurement results

Maximum H-field [mA/m]:
MAGNITUDE: 8.80 A/m
x: 6.28 A/m, y: 1.42 A/m, z: 6.00 A/m
Maximum H-field location relative to DUT:
x: 18.33 mm, y: -3.67 mm, z: 8.50 mm
Maximum E-field [V/m]:
MAGNITUDE: 20.37 V/m
x: 3.39 V/m, y: 19.51 mV/m, z: 20.09 V/m
Maximum E-field location relative to DUT:
x: 14.67 mm, y: 0.00 m, z: 0.00 m
Distance to -20.0 dB boundary:
59.12 mm
Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [mA/m] at center location



H-field magnitude [mA/m] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency (f = 359.57 kHz, $\sigma = 0.790 \text{ S/m}$, tissue density = 1,000 kg/m³)

	Peak incident fields [mV]		Peak E _{ind} [V/m, mV]			Peak J _{ind} [A/m ² , mV]	psSAR [mW/kg]		H-field extent				Warnings
Distance [mm]	H _{inc} [A/m]	E _{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius [mm]	Sign	Vector potential	Boundary effect	
0.00	16.0	20.4	0.492	0.501	0.503	0.327	0.110	0.0593	64.9	2%	32%	32%	
2.00	14.2	19.5	0.438	0.447	0.448	0.29	0.0869	0.0474	67.0	2%	32%	31%	
5.00	11.5	17.0	0.362	0.37	0.37	0.242	0.0608	0.0339	71.4	2%	32%	30%	

Compliance evaluation (Field values at the peak frequency) (f = 359.57 kHz, total field evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	RL [mA/m]	PE _{inc} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]	RL [mA/m]	PE _{inc} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]	PE _{inc} [V/m]	PE _{ind} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]	PE _{inc} [V/m]	PE _{ind} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]	PE _{inc} [V/m]	PE _{ind} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]
0.00	16.0	20.4	0.494	0.0593	16.0	20.4	0.329	0.0593	16.0	20.4	0.505	0.0593	16.0	20.4	N/A	0.110	16.0	20.4	0.503	0.110
2.00	14.2	19.5	0.440	0.0474	14.2	19.5	0.291	0.0474	14.2	19.5	0.450	0.0474	14.2	19.5	N/A	0.0869	14.2	19.5	0.449	0.0869
5.00	11.5	17.0	0.363	0.0339	11.5	17.0	0.243	0.0339	11.5	17.0	0.371	0.0339	11.5	17.0	N/A	0.0608	11.5	17.0	0.372	0.0608

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH
0.00	0.78	1.17	2.56	0.80	0.01	<0.01	7.87	4.29	0.48	<0.01	0.10	0.16	0.35	0.28	<0.01	<0.01	9.81	0.88	N/A	<0.01
2.00	0.88	1.04	2.45	0.77	<0.01	<0.01	7.0	4.12	0.42	<0.01	0.09	0.14	0.33	0.27	<0.01	<0.01	8.72	0.85	N/A	<0.01
5.00	0.55	0.85	2.13	0.67	<0.01	<0.01	5.69	3.58	0.36	<0.01	0.07	0.11	0.29	0.23	<0.01	<0.01	7.08	0.74	N/A	<0.01

TR no.: 25091954-49401-0

2026-03-17

DASY8 Module WPT Measurement Report

Device under test

Info:
360kHz_Right
Serial number:
not set
Scenario:
25091954-49402-Molex_WCH-402-NS

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5947
Probe model, serial no. and configuration data:
MAGPy-8H3D+E3Dv2, WP000257, 2025/04/24
Software version:
2.8.8, backend: 2.2.36

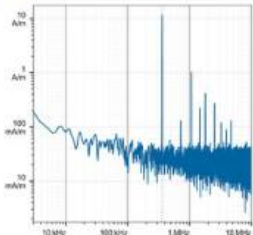
Scan info

Center location:
x: 0.00 m, y: 0.00 m, z: 97.00 mm
Dimensions:
x: 257.0 mm, y: 213.0 mm, z: 36.0 mm
Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
Completed on:
2026/02/12 11:57:03

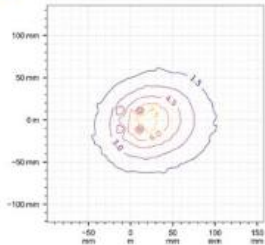
Measurement results

Maximum H-field [mA/m]:
MAGNITUDE: 8.66 A/m
x: 7.34 A/m, y: 496.39 mA/m, z: 4.57 A/m
Maximum H-field location relative to DUT:
x: 18.33 mm, y: -3.67 mm, z: 8.50 mm
Maximum E-field [V/m]:
MAGNITUDE: 32.51 V/m
x: 2.27 V/m, y: 825.05 mV/m, z: 32.42 V/m
Maximum E-field location relative to DUT:
x: 14.67 mm, y: 0.00 m, z: 0.00 m
Distance to -20.0 dB boundary:
69.57 mm
Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [mA/m] at center location



H-field magnitude [mA/m] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency (f = 359.58 kHz, $\sigma = 0.790$ S/m, tissue density = 1,000 kg/m³)

Distance [mm]	Peak incident fields [mA/m]				Peak E _{ind} [V/m, rms]		Peak I _{ind} [A/m ² , rms]		psSAR [mW/kg]		H-field extent		Sign	Vector potential	Warnings Boundary effect
	H _{inc} [A/m]	E _{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	lg avg.	10g avg.	-20 dB radius [mm]						
0.00	14.7	32.5	0.522	0.531	0.533	0.347	0.127	0.0719	71.7	2%	25%	21%			
2.00	12.9	30.6	0.468	0.478	0.478	0.310	0.102	0.0584	74.5	2%	25%	22%			
5.00	10.7	25.0	0.391	0.40	0.399	0.263	0.0733	0.0429	78.4	2%	25%	26%			

Compliance evaluation (Field values at the peak frequency) (f = 359.58 kHz, total field evaluation)

Distance [mm]	ICNIRP 2010/2020					ICNIRP 1998				IEEE 2019				FCC				HC Code 6						
	RL [mA/m]	PL _{inc} [V/m]	PE _{ref} [V/m]	psSAR [mW/kg]	BR [mA/m]	RL [mA/m]	PL _{inc} [V/m]	PL _{ind} [A/m²]	psSAR [mW/kg]	ERL [mA/m]	PL _{inc} [A/m]	PE _{ref} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]	MPE [mA/m]	PL _{inc} [A/m]	PE _{ref} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]	RL [mA/m]	PL _{inc} [V/m]	PE _{ref} [V/m]	psSAR [mW/kg]	BR [mA/m]
0.00	14.7	32.5	0.525	0.0719		14.7	32.5	0.35	0.0719	14.7	32.5	0.536	0.0719		14.7	32.5	N/A	0.127		14.7	32.5	0.534	0.127	
2.00	12.9	30.6	0.471	0.0584		12.9	30.6	0.313	0.0584	12.9	30.6	0.482	0.0584		12.9	30.6	N/A	0.102		12.9	30.6	0.479	0.102	
5.00	10.7	25.0	0.394	0.0429		10.7	25.0	0.265	0.0429	10.7	25.0	0.402	0.0429		10.7	25.0	N/A	0.0733		10.7	25.0	0.402	0.0733	

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation)

Distance [mm]	ICNIRP 2010/2020						ICNIRP 1998				IEEE 2019				FCC				HC Code 6							
	RL			BR			RL		BR		ERL		DRL		MPE		BR		RL		BR					
	μE_{loc}	μE_{inc}	μE_{ref}	μE_{loc}	μE_{inc}	μE_{ref}	μE_{loc}	μE_{inc}	μE_{ref}	μE_{inc}	μE_{ref}	μE_{loc}	μE_{inc}	μE_{ref}	μE_{loc}	μE_{inc}	μE_{ref}	μE_{loc}	μE_{inc}	μE_{ref}	μE_{loc}	μE_{inc}				
	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH				
0.00	0.70	1.08	2.23	0.33	0.01	<0.01	7.25	3.66	0.50	<0.01	0.09	0.15	0.30	0.12	<0.01	<0.01	9.03	0.75	N/A	<0.01	0.16	7.25	2.23	N/A	0.01	<0.01
2.00	0.61	0.94	2.1	0.31	0.01	<0.01	6.34	3.44	0.45	<0.01	0.08	0.13	0.28	0.11	<0.01	<0.01	7.9	0.71	N/A	<0.01	0.14	6.34	2.1	N/A	0.01	<0.01
5.00	0.51	0.78	1.72	0.25	<0.01	<0.01	5.26	2.81	0.38	<0.01	0.07	0.11	0.23	0.09	<0.01	<0.01	6.55	0.58	N/A	<0.01	0.12	5.26	1.72	N/A	<0.01	<0.01

TR no.: 25091954-49401-0

2026-03-17

DASY8 Module WPT Measurement Report

Device under test

Info:
360kHz_Upper
Serial number:
not set
Scenario:
25091954-49402-Molex_WCH-402-NS

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5947
Probe model, serial no. and configuration data:
MAGPy-8H3D+E3Dv2, WP000257, 2025/04/24
Software version:
2.8.8, backend: 2.2.36

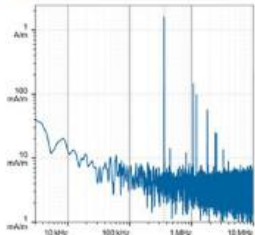
Scan info

Center location:
x: 0.00 m, y: 0.00 m, z: 159.00 mm
Dimensions:
x: 345.0 mm, y: 301.0 mm, z: 37.0 mm
Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
Completed on:
2026/02/13 11:45:47

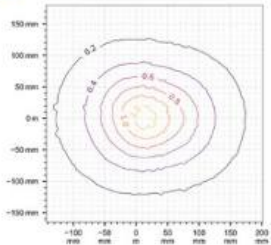
Measurement results

Maximum H-field [mA/m]:
MAGNITUDE: 1.33 A/m
x: 974.93 mA/m, y: 166.27 mA/m, z: 889.15 mA/m
Maximum H-field location relative to DUT:
x: 11.00 mm, y: -11.00 mm, z: 8.50 mm
Maximum E-field [V/m]:
MAGNITUDE: 5.25 V/m
x: 113.28 mV/m, y: 36.29 mV/m, z: 5.25 V/m
Maximum E-field location relative to DUT:
x: 44.00 mm, y: 0.00 m, z: 0.00 m
Distance to -20.0 dB boundary:
135.22 mm
Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [mA/m] at center location



H-field magnitude [mA/m] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency (f = 359.58 kHz, $\sigma = 0.790$ S/m, tissue density = 1,000 kg/m³)

	Peak incident fields [m]		Peak E _{ind} [V/m, m]			Peak J _{ind} [A/m ² , m]	psSAR [mW/kg]		H-field extent				Warnings
Distance [mm]	H _{inc} [A/m]	E _{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius [mm]	5g _h	Vector potential	Boundary effect	
0.00	1.86	5.25	0.123	0.124	0.124	0.0864	8.58e-3	6.04e-3	148	2%	10%	45%	
2.00	1.72	5.11	0.115	0.116	0.117	0.0809	7.54e-3	5.33e-3	153	2%	10%	47%	
5.00	1.50	4.69	0.104	0.105	0.105	0.0734	6.22e-3	4.43e-3	159	2%	10%	50%	

Compliance evaluation (Field values at the peak frequency) (f = 359.58 kHz, total field evaluation)

Distance [mm]	ICNIRP 2010/2020					ICNIRP 1998					IEEE 2019					FCC					HC Code 6				
	RL [m]	PE _{inc} [A/m]	PE _{ind} [V/m]	BR [m]	psSAR [mW/kg]	RL [m]	PE _{inc} [A/m]	PE _{ind} [V/m]	BR [m]	psSAR [mW/kg]	ERL [m]	PE _{inc} [A/m]	PE _{ind} [V/m]	BR [m]	psSAR [mW/kg]	MPE [m]	PE _{inc} [A/m]	PE _{ind} [V/m]	BR [m]	psSAR [mW/kg]	RL [m]	PE _{inc} [A/m]	PE _{ind} [V/m]	BR [m]	psSAR [mW/kg]
0.00	1.86	5.25	0.123	6.04e-3		1.86	5.25	0.0868	6.04e-3		1.86	5.25	0.125	6.04e-3		1.86	5.25	N/A	8.58e-3		1.86	5.25	0.125	8.58e-3	
2.00	1.72	5.11	0.116	5.33e-3		1.72	5.11	0.0813	5.33e-3		1.72	5.11	0.117	5.33e-3		1.72	5.11	N/A	7.54e-3		1.72	5.11	0.117	7.54e-3	
5.00	1.50	4.69	0.104	4.43e-3		1.50	4.69	0.0738	4.43e-3		1.50	4.69	0.106	4.43e-3		1.50	4.69	N/A	6.23e-3		1.50	4.69	0.106	6.23e-3	

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation)

Distance [mm]	ICNIRP 2010/2020						ICNIRP 1998						IEEE 2019						FCC						HC Code 6					
	RL			BR			RL			BR			ERL			DRL			MPE			BR			RL			BR		
	μH_{inc}	E_{inc}	μE_{inc}	μH_{ind}	μE_{ind}	μH_{ind}	μH_{inc}	μE_{inc}	μH_{inc}	μE_{inc}	μH_{inc}	μE_{inc}	μH_{inc}	μE_{inc}	μH_{inc}	μE_{inc}	μH_{inc}	μE_{inc}	μH_{inc}	μE_{inc}	μH_{inc}	μE_{inc}	μH_{inc}	μE_{inc}	μH_{inc}	μE_{inc}	μH_{inc}	μE_{inc}		
NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	
0.00	0.09	0.14	0.16	0.02	<0.01	<0.01	0.92	0.18	0.12	<0.01	0.01	0.02	0.02	<0.01	<0.01	<0.01	1.14	0.03	N/A	<0.01	0.02	0.92	0.16	N/A	<0.01	<0.01	<0.01	<0.01		
2.00	0.08	0.13	0.16	0.02	<0.01	<0.01	0.85	0.17	0.11	<0.01	0.01	0.02	0.02	<0.01	<0.01	<0.01	1.05	0.03	N/A	<0.01	0.02	0.85	0.16	N/A	<0.01	<0.01	<0.01	<0.01		
5.00	0.07	0.11	0.15	0.02	<0.01	<0.01	0.74	0.16	0.10	<0.01	<0.01	0.01	0.02	<0.01	<0.01	<0.01	0.92	0.02	N/A	<0.01	0.02	0.74	0.15	N/A	<0.01	<0.01	<0.01	<0.01		

TR no.: 25091954-49401-0

2026-03-17

DASY8 Module WPT Measurement Report

Device under test

Info:
360kHz_Lower
Serial number:
not set
Scenario:
25091954-49402-Molex_WCH-402-NS

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5947
Probe model, serial no. and configuration data:
MAGPy-8H3D+E3Dv2, WP000257, 2025/04/24
Software version:
2.8.8, backend: 2.2.36

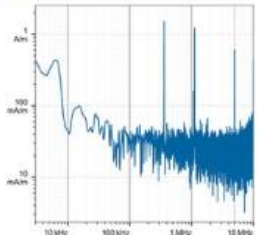
Scan info

Center location:
x: 0.00 m, y: 0.00 m, z: 159.00 mm
Dimensions:
x: 345.0 mm, y: 257.0 mm, z: 37.0 mm
Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
Completed on:
2026/02/13 12:52:23

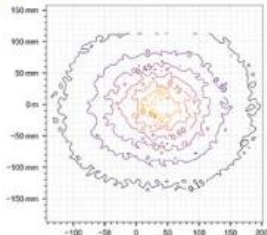
Measurement results

Maximum H-field [mA/m]:
MAGNITUDE: 1.13 A/m
x: 1.12 A/m, y: 48.83 mA/m, z: 146.15 mA/m
Maximum H-field location relative to DUT:
x: 25.67 mm, y: 3.67 mm, z: 8.50 mm
Maximum E-field [mV/m]:
MAGNITUDE: 5.01 V/m
x: 209.02 mV/m, y: 210.51 mV/m, z: 5.00 V/m
Maximum E-field location relative to DUT:
x: 44.00 mm, y: 0.00 m, z: 0.00 m
Distance to -20.0 dB boundary:
139.33 mm
Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [mA/m] at center location



H-field magnitude [mA/m] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency (f = 359.58 kHz, $\sigma = 0.790$ S/m, tissue density = 1,000 kg/m³)

Distance [mm]	Peak incident fields [mV]			Peak E _{ind} [V/m, mV]			Peak J _{ind} [A/m ² , mA]		psSAR [mW/kg]		H-field extent		Sign	Vector potential	Warnings Boundary effect
	H _{inc} [A/m]	E _{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius [mm]						
0.00	1.50	5.01	0.0970	0.0980	0.0983	0.0677	5.21e-3	3.6e-3	148	3%	22%				42%
2.00	1.36	4.87	0.0905	0.0915	0.0918	0.0631	4.54e-3	3.16e-3	152	3%	22%				44%
5.00	1.16	4.44	0.0809	0.0819	0.0819	0.0568	3.7e-3	2.80e-3	158	3%	22%				50%

Compliance evaluation (Field values at the peak frequency) (f = 359.58 kHz, total field evaluation)

Distance [mm]	ICNIRP 2010/2020					ICNIRP 1998					IEEE 2019					FCC					HC Code 6				
	RL [mV]	pE _{inc} [V/m]	pE _{ind} [V/m]	BR [mV]	psSAR [mW/kg]	RL [mV]	pE _{inc} [V/m]	pE _{ind} [V/m]	BR [mV]	psSAR [mW/kg]	ERL [mV]	pE _{inc} [V/m]	pE _{ind} [V/m]	BR [mV]	psSAR [mW/kg]	pH _{inc} [A/m]	pE _{inc} [V/m]	pE _{ind} [V/m]	BR [mV]	psSAR [mW/kg]	pH _{inc} [A/m]	pE _{inc} [V/m]	pE _{ind} [V/m]	BR [mV]	psSAR [mW/kg]
0.00	1.50	5.01	0.0975	3.6e-3	3.6e-3	1.50	5.01	0.0681	3.6e-3	3.6e-3	1.50	5.01	0.0988	3.6e-3	3.6e-3	1.50	5.01	N/A	5.21e-3	5.21e-3	1.50	5.01	0.0985	5.21e-3	5.21e-3
2.00	1.36	4.87	0.091	3.16e-3	3.16e-3	1.36	4.87	0.0634	3.16e-3	3.16e-3	1.36	4.87	0.0923	3.16e-3	3.16e-3	1.36	4.87	N/A	4.54e-3	4.54e-3	1.36	4.87	0.0919	4.54e-3	4.54e-3
5.00	1.16	4.44	0.0813	2.80e-3	2.80e-3	1.16	4.44	0.0572	2.80e-3	2.80e-3	1.16	4.44	0.0823	2.80e-3	2.80e-3	1.16	4.44	N/A	3.7e-3	3.7e-3	1.16	4.44	0.0823	3.7e-3	3.7e-3

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation)

Distance [mm]	ICNIRP 2010/2020						ICNIRP 1998				IEEE 2019				FCC				HC Code 6								
	RL		BR		psSAR		RL		BR		ERL		DRL		MPE		BR		RL		BR						
	μE_{loc}	μE_{inc}	μE_{ind}	μE_{inc}	μE_{ind}	μE_{inc}	μE_{inc}	μE_{ind}	μE_{inc}	μE_{inc}	μE_{inc}	μE_{inc}	μE_{ind}	μE_{inc}	μE_{ind}	μE_{inc}	μE_{ind}	μE_{inc}	μE_{inc}	μE_{ind}	μE_{inc}						
	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH					
0.00	0.07	0.11	32.4	17.3	<0.01	<0.01	0.74	14.7	0.38	<0.01	<0.01	<0.01	0.01	4.38	24.3	<0.01	<0.01	0.92	1.24	N/A	<0.01	0.02	0.74	32.4	N/A	<0.01	<0.01
2.00	0.06	0.10	31.5	16.8	<0.01	<0.01	0.67	14.3	0.36	<0.01	<0.01	<0.01	0.01	4.26	23.6	<0.01	<0.01	0.83	1.21	N/A	<0.01	0.02	0.67	31.5	N/A	<0.01	<0.01
5.00	0.06	0.09	28.8	15.3	<0.01	<0.01	0.57	13.0	0.33	<0.01	<0.01	<0.01	0.01	3.89	21.5	<0.01	<0.01	0.71	1.1	N/A	<0.01	0.01	0.57	28.8	N/A	<0.01	<0.01

End of Assessment Report
