

Test Report

Test report no.: 25011068-44168-0

Date of issue: 2025-08-25

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

Applicant

Phoenix Contact GmbH & Co. KG

Manufacturer

Phoenix Contact GmbH

Test Item

NEARFI 2200 B / NEARFI 2200 R

Radio Frequency Testing according to:

FCC 47 CFR Part 15

Radio frequency devices

Parts 1.1307, 1.1310, 2.1091, 2.1093

680106 D01 RF Exposure Wireless Charging Apps v04

Tested by
(name, function, signature)

Andreas Bender
Deputy Managing Director



Approved by
(name, function, signature)

Sebastian Janoschka
Head of Department RF



Sebastian Janoschka (Aug 29, 2025 11:22:43 GMT+2)

Applicant and Test item details

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Test item description	NEARFI energy and data coupler (Base)
Model/Type reference (unique)	NEARFI 2200 B / NEARFI 2200 R
Standard specific information	
Frequency	110-148 kHz, 63.2625 GHz, 59.850 GHz, 10 MHz
Technology	WPT, Datalink, Datalink, Feedback CH
Antenna	PCB antenna
Power supply	19 ~ 30 Vdc, 24 Vdc nominal, 50 W
Temperature range	-20 ~ +55°C
FCC ID	YG32200B / YG32200R

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.

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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: https://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 No. DE0024 ○ ISED Company Number 27156 ○ Testing Laboratory CAB Identifier DE0020 ○ Kraftfahrt-Bundesamt KBA-P 00120-23
Testing location	IBL-Lab GmbH Heinrich-Hertz-Allee 7 66386 St. Ingbert / Germany
Date of receipt of test samples	2025-02-17
Start – End of tests	2025-05-19 – 2025-06-02

2.2 Possible test case verdicts

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

2.3 Observations

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

2.4 Opinions and interpretations

No 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

Product Description

Test object: NEARFI energy and data coupler (Base)
Model name: NEARFI 2200 B
Article number: 1433050
FCC ID: YG32200B

Client object: Energy and data coupler (Remote)
Model name: NEARFI 2200 R
Article number: 1433049
FCC ID: YG32200R

Device Parameter Value

- 1 Power IN (NEARFI 2200B): 19 ~ 30 Vdc, 24 Vdc nominal
- 2 Power OUT (NEARFI 2200R): 24V DC, 2A
- 3 Max distance between TxRx 10mm
- 4 WPT 110-148kHz
- 5 WPT feedback 10 MHz (EUT Receiver)
- 6 Data Transmitter Tx 63.2625 GHz
- 7 Data Transmitter TX 59.850 GHz (Client)

3 ENVIRONMENTAL CONDITIONS

3.1 Environmental conditions of lab

Temperature	25°C ± 10°C
Relative humidity	25-75% r.H.
Barometric Pressure	860-1060 mbar
Power supply	230/400 V AC , 50 Hz

4 TEST STANDARDS AND REFERENCES

Test standard (accredited)	Description
FCC 47 CFR Part 15	RADIO FREQUENCY DEVICES

Test standard (not accredited)	Description
none	-

Reference	Description
447498 D04 Interim General RF Exposure Guidance v01	RF Exposure Procedures and Equipment Authorization Policies for Mobile and Portable Devices
680106 D01 RF Exposure Wireless Charging Apps v04	RF EXPOSURE CONSIDERATIONS FOR LOW POWER CONSUMER WIRELESS POWER TRANSFER APPLICATIONS

5 MPE Assessment Requirements

5.1 FCC – KDB 680106 D01 RF Exposure Wireless Charging Apps v04

5.1.1 Limits – 3.2 Equipment Authorization Procedures for Devices Operating at Frequencies Below 4 MHz

The RF exposure limits, as set forth in § 1.1310, do not cover the frequency range below 100 kHz for Specific Absorption Rate (SAR) and below 300 kHz for Maximum Permitted Exposure (MPE). In addition, present limitations of RF exposure evaluation systems prevent an accurate evaluation of SAR below 4 MHz. For these reasons, a specific MPE-based RF Exposure compliance procedure for devices operating in the aforementioned low-frequency ranges has been set in place. This procedure is applicable to Equipment Authorization of all RF devices, thus including, but not limited to, Part 18 and WPT devices.

Accordingly, for **§ 2.1091-Mobile devices**, the MPE limits between **100 kHz to 300 kHz** are to be considered the same as those at 300 kHz in **Table 1 of § 1.1310, that is, 614 V/m and 1.63 A/m**, for the electric field and magnetic field, respectively. For **§ 2.1093-Portable devices** below **4 MHz** and down to **100 kHz**, the MPE limits in **§ 1.1310 (with the 300 kHz limit applicable all the way down to 100 kHz)** can be used for the purpose of equipment authorization in lieu of SAR evaluations.

Table 1 to § 1.1310(e)(1)—Limits for Maximum Permissible Exposure (MPE)

Frequency range [MHz]	Electric field strength [V/m]	Magnetic field Strength [A/m]	Power density [mW/cm ²]	Averaging time [minutes]
(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

Furthermore, consistent with FCC's equipment authorization RF exposure guidance, any device (both portable and mobile) operating at frequencies below 100 kHz is considered compliant for the purpose of equipment authorization when the external (unperturbed) temporal peak field strengths do not exceed the following reference levels:

83 V/m for the electric field strength (E)

90 A/m for the magnetic field strength (H).

These data may be provided through measurements and/or numerical simulations, and for all the positions

in space relevant for any possible body exposure.

For all the cases mentioned above, **E** and **H** measurements should be made from all sides of the transmitter, along all the principal axes defined with respect to the orientation of the transmitting element (e.g., coil or antenna). When clearly demonstrated, symmetry considerations may be used to reduce the amount of testing. Furthermore, for “low-frequency” loop/coil emitting structures that lead to dominant H-field near-field emissions (i.e., with E/H ratio less than 1/10 of the 377-ohm free space wave impedance, typically frequencies less than 1 MHz), **only H-field measurements** are sufficient for demonstrating MPE limit compliance.

5.1.2 5.2 Part 18 Wireless Power Transfer up to One-Meter Distance

This section applies only to WPT transmitters that, by design, can provide power to a load located at a distance no greater than one meter. This distance shall be measured between the closest points between the transmitter and the receiver enclosure surfaces. For instance, two coils positioned as in Figure 2-a may be operated and considered under the provisions of this section, because both receivers are within one-meter distance from the transmitter.

There might be situations where the WPT RF emissions are limited enough that even operations in a “crowded” environment, where many similar WPT devices are present, do not pose significant EMC and RF exposure concerns. In this scenario, and for devices operating within a one-meter distance from the receiver, as defined above, a manufacturer will not have to submit an “Equipment Compliance Review” KDB, and receive FCC concurrence before proceeding with equipment authorization. This exception to the requirement of submitting the ECR to obtain FCC concurrence only applies when all the following criteria (1) through (6) are met:

Requirement	Implementation	Verdict																	
The power transfer frequency is below 1 MHz.	Operation frequency range is within Qi limits < 1MHz (~127 kHz)	P																	
The output power from each transmitting element (e.g., coil) is less than or equal to 15 watts.	50 W	N/A																	
A client device providing the maximum permitted load is placed in physical contact with the transmitter (i.e., the surfaces of the transmitter and client device enclosures need to be in physical contact)	Coupling only between individual pairs of coils.	P																	
Only § 2.1091-Mobile exposure conditions apply (i.e., this provision does not cover § 2.1093-Portable exposure conditions).	Portable exposure is intended.	N/A																	
The E-field and H-field strengths, at and beyond 20 cm surrounding the device surface, are demonstrated to be less than 50% of the applicable MPE limit, per KDB 447498, Table 1.	See next row	—																	
Table 1:		—																	
<table><tr><th colspan="2">Frequency f</th><th>FCC RF Exposure Limits</th></tr><tr><td colspan="2">f ≤ 100 kHz</td><td>All devices assessed case-by-case (guidelines for wireless power transfer devices are provided KDB Pub. 680106)</td></tr><tr><td colspan="2">100 kHz < f ≤ 300 kHz</td><td>SAR limits in § 1.1310 (b), (c), (d)</td></tr><tr><td rowspan="2">300 kHz < f ≤ 6 GHz</td><td>Portable device</td><td>SAR limits in § 1.1310 (b), (c), (d)</td></tr><tr><td>Mobile device</td><td>Per § 2.1093(d) SAR limits in § 1.1310 (b), (c), (d) OR Per § 1.1310(d)(2) MPE limits in § 1.1310(e)(1) - Table 1</td></tr><tr><td colspan="2">f > 6 GHz</td><td>For all devices, MPE limits in § 1.1310(e)(1) - Table 1</td></tr></table>			Frequency f		FCC RF Exposure Limits	f ≤ 100 kHz		All devices assessed case-by-case (guidelines for wireless power transfer devices are provided KDB Pub. 680106)	100 kHz < f ≤ 300 kHz		SAR limits in § 1.1310 (b), (c), (d)	300 kHz < f ≤ 6 GHz	Portable device	SAR limits in § 1.1310 (b), (c), (d)	Mobile device	Per § 2.1093(d) SAR limits in § 1.1310 (b), (c), (d) OR Per § 1.1310(d)(2) MPE limits in § 1.1310(e)(1) - Table 1	f > 6 GHz		For all devices, MPE limits in § 1.1310(e)(1) - Table 1
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	Mobile device		Per § 2.1093(d) SAR limits in § 1.1310 (b), (c), (d) OR Per § 1.1310(d)(2) MPE limits in § 1.1310(e)(1) - Table 1																
f > 6 GHz		For all devices, MPE limits in § 1.1310(e)(1) - Table 1																	
less than 50% of the applicable MPE limit:		See measurement tables E-Limit: 614 V/m -> 50% -> 307 V/m H-Limit: 1.63 A/m -> 50% -> 0.815 A/m																	

5.1.3 EUT setup + Measurements

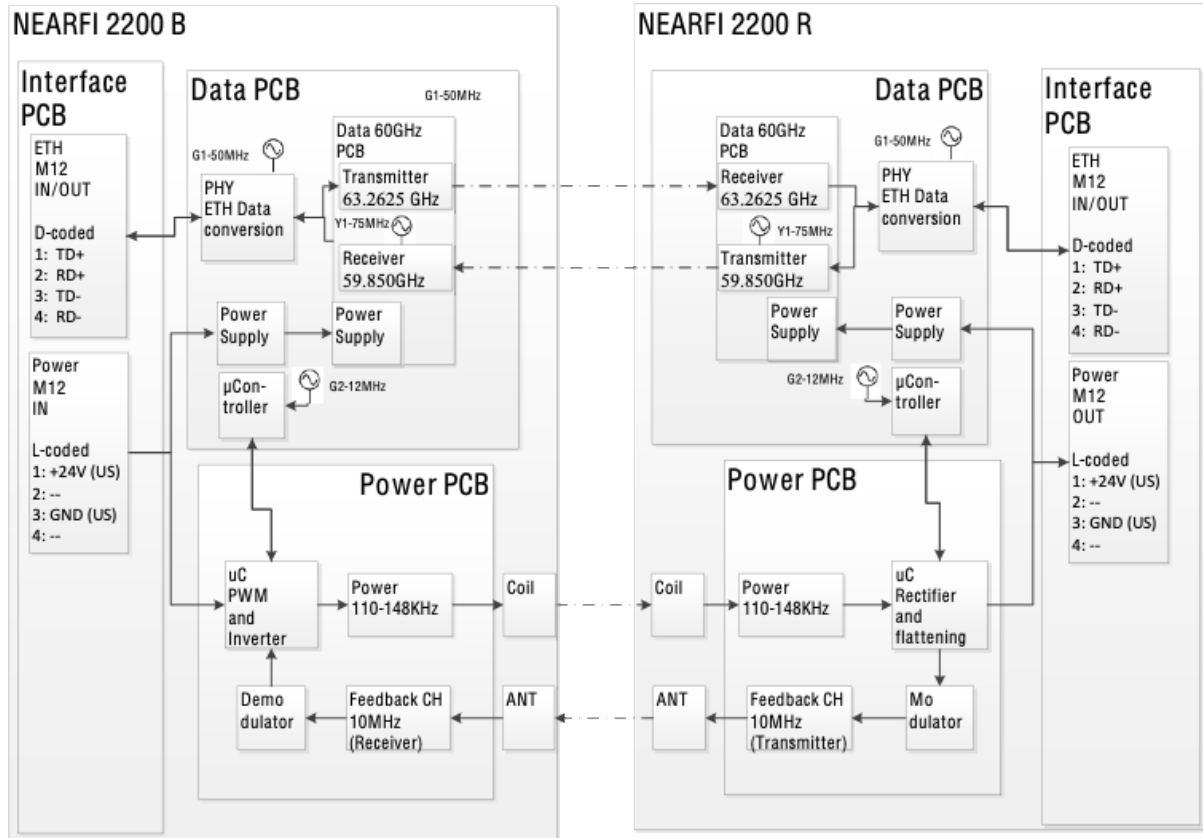


Photo : 1 - Blockdiagram

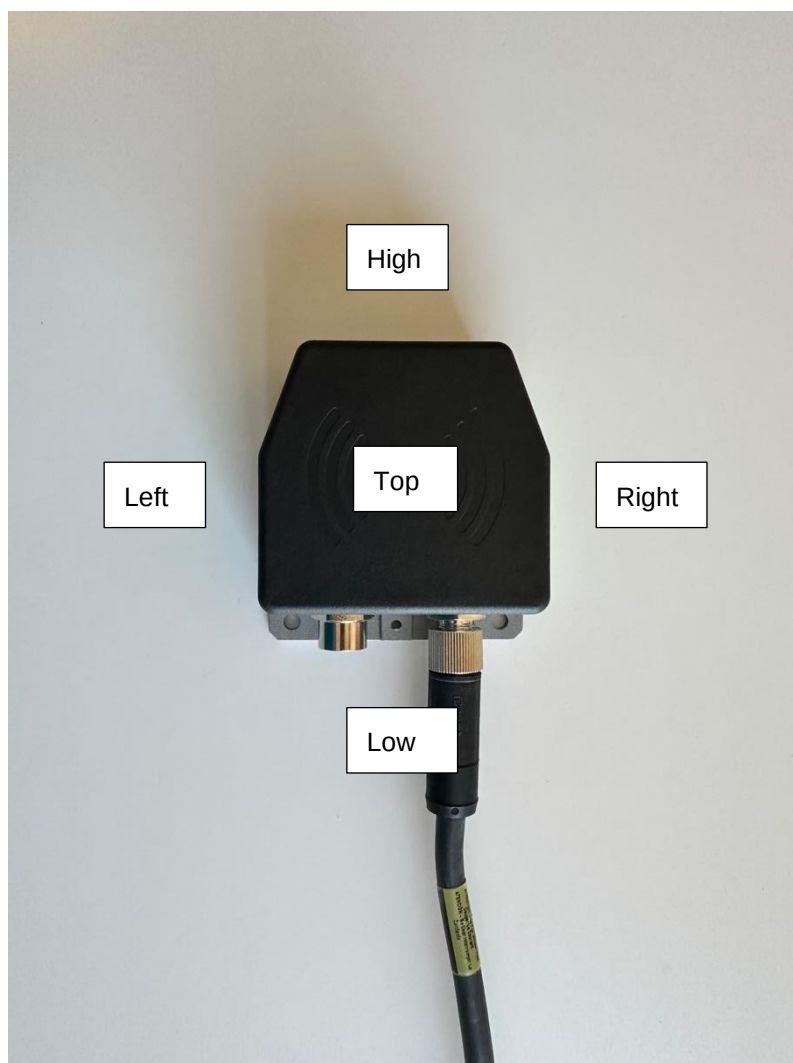


Photo : 2

#	Device Parameter	Value
1	Power IN (NEARFI 2200B):	19 ~ 30 Vdc, 24 Vdc nominal
2	Power OUT (NEARFI 2200R):	24V DC, 2 A
3	Max distance between TxRx	10mm
4	WPT	110 – 148 kHz
5	WPT feedback	10 MHz
6	Data Transmitter Tx	63.2625 GHz
7	Data Transmitter Tx	59.850 GHz (Client)

Set-up #	Setup modes	Remark
1	WPT coupled with sink (touching), left side, 50 W	As Reference for minimum distance apart
2	WPT coupled with sink (10mm apart), left side, 50 W	10 mm is the max distance for TxRx
3	WPT not coupled with sink, polling mode only	
4	Datalink (~60 GHz) with coupled devices (10 mm apart)	It has been decided, to not measure at a specific distance due to the low output power, but in the probe touching the surface position.
5	Datalink (~60 GHz) without coupled devices	It has been decided, to not measure at a specific distance due to the low output power, but in the probe touching the surface position.
6	Feedback CH (10 MHz) with coupled devices (10 mm apart)	It has been decided, to not measure at a specific distance due to the low output power, but in the probe touching the surface position.
7	Feedback CH (10 MHz) without coupled devices	It has been decided, to not measure at a specific distance due to the low output power, but in the probe touching the surface position.

Section	Setup	Orientation	Frequency [kHz]	Distance [mm]	E-Field limit [V/m]	E-Field meas [V/m]	H-Field limit [A/m]	H-Field meas [A/m]	Note	Verdict
A	1	Left	113.55	1: 0	614	212	1.63	86.6	--	N/A
A	1	Left	113.55	2: 2	614	193	1.63	75.5	--	N/A
A	1	Left	113.55	3: 5	614	133	1.63	58.9	--	N/A
A	1	Left	113.55	1: 20	614	23.4	1.63	10.4	--	N/A
A	1	Left	113.55	2: 25	614	19.8	1.63	7.68	--	N/A
A	1	Left	113.55	3: 30	614	13.8	1.63	5.61	--	N/A
A	1	Left	113.55	1: 50	614	5.44	1.63	1.71	--	N/A
A	1	Left	113.55	2: 55	614	4.73	1.63	1.4	--	P
A	1	Left	113.55	3: 60	614	3.97	1.63	1.14	--	P
A	1	Left	113.55	1: 70	614	3.07	1.63	0.785	--	P
A	1	Left	113.55	2: 75	614	2.83	1.63	0.678	--	P
A	1	Left	113.55	3: 80	614	2.53	1.63	0.581	--	P
Supplementary information: test performed on one side to evaluate possible safety distances.										

Section	Setup	Orientation	Frequency [kHz]	Distance [mm]	E-Field limit [V/m]	E-Field meas [V/m]	H-Field limit [A/m]	H-Field meas [A/m]	Note	Verdict
B	2	Left	144.46	1: 75	614	3.35	1.63	1.58	--	P
B	2	Left	144.46	2: 80	614	3.26	1.63	1.46	--	P
B	2	Left	144.46	3: 85	614	2.99	1.63	1.30	--	P
B	2	Right	144.11	1: 75	614	1.18	1.63	1.61	--	P
B	2	Right	144.11	2: 80	614	1.15	1.63	1.49	--	P
B	2	Right	144.11	3: 85	614	1.06	1.63	1.33	--	P
B	2	Low	144.51	1: 75	614	3.18	1.63	1.46	--	P
B	2	Low	144.51	2: 80	614	2.56	1.63	1.21	--	P
B	2	Low	144.51	3: 85	614	1.92	1.63	1.03	--	P
B	2	High	144.02	1: 75	614	1.28	1.63	1.58	--	P
B	2	High	144.02	2: 80	614	1.13	1.63	1.30	--	P
B	2	High	144.02	3: 85	614	0.96	1.63	1.10	--	P
Supplementary information:										

Section	Setup	Orientation	Frequency [kHz]	Distance [mm]	E-Field limit [V/m]	E-Field meas [V/m]	H-Field limit [A/m]	H-Field meas [A/m]	Note	Verdict
C	3	Top	143.76	1: 95	614	0.843	1.63	1.85	--	N/A
C	3	Top	143.76	2: 100	614	0.810	1.63	1.49	--	P
C	3	Top	143.76	3: 105	614	0.761	1.63	1.32	--	P
C	3	Top	143.76	3: 110	614	0.761	1.63	1.13	--	P
C	3	High	143.69	1: 75	614	0.196	1.63	0.593	--	P
C	3	High	143.69	2: 80	614	0.194	1.63	0.485	--	P
C	3	High	143.69	3: 85	614	0.183	1.63	0.426	--	P
C	3	Low	143.66	1: 75	614	0.925	1.63	0.516	--	P
C	3	Low	143.66	2: 80	614	0.853	1.63	0.421	--	P
C	3	Low	143.66	3: 85	614	0.742	1.63	0.373	--	P
C	3	Left	143.83	1: 75	614	0.893	1.63	0.473	--	P
C	3	Left	143.83	2: 80	614	0.863	1.63	0.405	--	P
C	3	Left	143.83	3: 85	614	0.778	1.63	0.364	--	P
C	3	Right	143.65	1: 75	614	0.296	1.63	0.510	--	P
C	3	Right	143.65	2: 80	614	0.248	1.63	0.439	--	P
C	3	Right	143.65	3: 85	614	0.204	1.63	0.389	--	P

Supplementary information:

Section	Setup	Orientation	Frequency [GHz]	Distance [mm]	PD limit [mW/cm ²]	PD m & calc [mW/cm ²]	--	--	Note	Verdict
D	4	High	60	75	1	0.000	--	--	--	P
D	4	High	60	0	1	0.001	--	--	--	P
D	4	Left	60	0	1	0.003	--	--	--	P
D	4	Low	60	5	1	0.001	--	--	--	P
D	4	Right	60	0	1	0.001	--	--	--	P

Supplementary information: Top position not applicable, the sink prohibits this position

Section	Setup	Orientation	Frequency [GHz]	Distance [mm]	PD limit [mW/cm ²]	PD m & calc [mW/cm ²]	--	--	Note	Verdict
E	5	Top	60	0	1	0.033				P
E	5	Left	60	0	1	0.002				P
E	5	Right	60	0	1	0.001				P
E	5	High	60	0	1	0.001				P
E	5	Low	60	0	1	0.001				P

Supplementary information:

Section	Setup	Orientation	Frequency [MHz]	Distance [mm]	E-Field limit [V/m]	E-Field meas [V/m]	--	--	Note	Verdict
F	6	High	10	75	82.4	1.6	--	--	--	P
F	6	High	10	0	82.4	5.26	--	--	--	P
F	6	Left	10	0	82.4	16.01	--	--	--	P
F	6	Low	10	5	82.4	6.45	--	--	--	P
F	6	Right	10	0	82.4	4.18	--	--	--	P
Supplementary information: Top position not applicable, the sink prohibits this position										

Section	Setup	Orientation	Frequency [MHz]	Distance [mm]	E-Field limit [V/m]	E-Field meas [V/m]	--	--	Note	Verdict
G	7	Top	10	0	82.4	4.18	--	--	--	P
G	7	Left	10	0	82.4	2.99	--	--	--	P
G	7	Right	10	0	82.4	2.95	--	--	--	P
G	7	High	10	0	82.4	2.26	--	--	--	P
G	7	Low	10	0	82.4	3.19	--	--	--	P
Supplementary information:										

5.2 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.

For WPT: Setup 3, with 110 mm distance, has been used as worst case for the assessment
 For 60 GHz: Setup 4, 0 mm distance, has been used as worst case for the assessment.
 For 10 MHz: Setup 6, 0 mm distance, has been uses as worst case for the assessment

Note: Though both 60GHz and 10 MHz had been assessed at 0mm, the **110 mm distance** apply to all three technologies in this assessment.

Type	Band [xHz]	Unit	Limit	Value	FCC Limit	FCC Verdict	FCC Exemp. [W]	FCC Exemp. fulfilled
WPT	144 kHz	A/M	1.63	1.133	N/A	-	N/A	-
SRD	60 GHz	mW/cm2	1	0.033	N/A	-	N/A	-
SRD	10 MHz	V/M	82.4	16.01	N/A	-	N/A	-
$\Sigma(f_n)$	-	-	-	0.921	N/A	N/A	N/A	N/A

6 List of test equipment used

#	Equipment	Manufacturer	Type	S/N	IBL/N	Kind of calibration	Last / Next calibration
1	SAR WPT Coil	SPEAG	VCoil350/85V2	1029	LAB000957	CM	2024-05-28 → 24M → 2026-05-28
2	SAR WPT Coil	SPEAG	VCoil50/400V2	1029	LAB000956	CM	2024-05-28 → 24M → 2026-05-28
3	Field Probe	SPEAG	MAGPy	3108	LAB000946	C	2025-04-24 → 12M → 2026-04-24
4	Power Supply	RND Lab	320-KD3005P	202104055373	LAB000917	NR	–
5	SAR Test system	SPEAG	DASY8	TBD	LAB000836	NR	–
6	Field Probe	narda Safety Test Solutions	EF 9091	B-0063	LAB000823	NR	–
7	Datalogger	T&D Corp.	TR-72nw	62181215	LAB000251	C	2024-10-07 → 12M → 2025-10-07
8	Field Probe	narda Safety Test Solutions	HF 3061	D-0856	LAB000233	C	2025-03-14 → 12M → 2026-03-14
9	Field Probe	narda Safety Test Solutions	EHP-50F	510WY91127	LAB000232	C	2025-03-20 → 12M → 2026-03-20
10	Field Probe	narda Safety Test Solutions	NBM-550	H-1188	LAB000231	C	0000-00-00 → 12M → 2026-02-25
11	Tape Measure	Bosch	Professional 5m	1600 a01 6ld	LAB000030	C	2024-09-05 → 12M → 2025-09-05
12	Caliper	UEZNRN	Schieblehre LCD	-	LAB000013	C	2024-09-05 → 12M → 2025-09-05

Annex 1 Photo Documentation

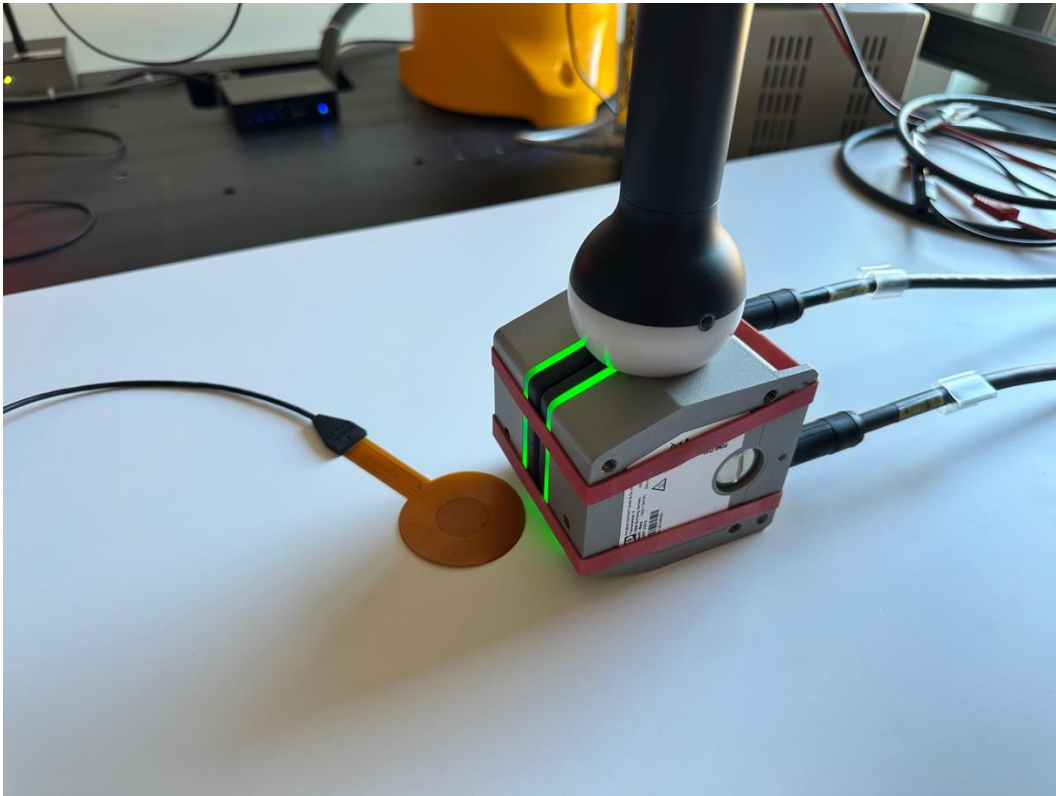


Photo : 3 – Section A – exemplary - TxRx touching – left side



Photo : 4 - Section B – exemplary – TxRx 10mm apart – left side



Photo : 5 - Section B – exemplary – TxRx 10mm apart – low side

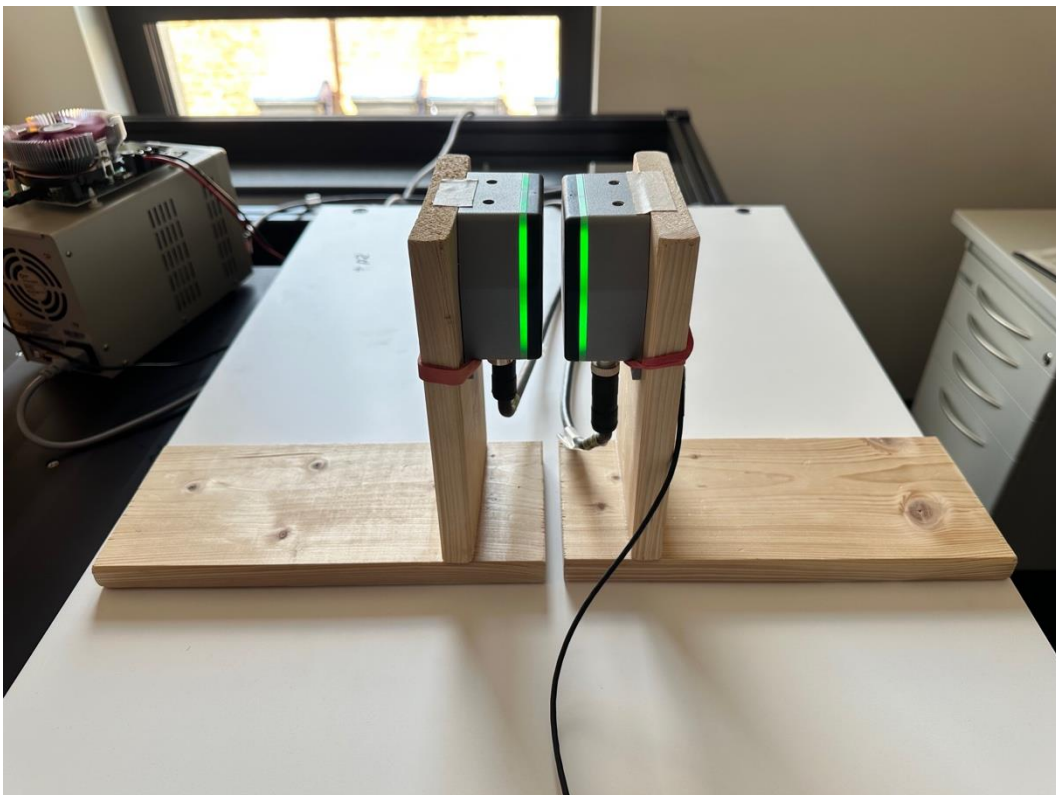


Photo : 6 Section B – exemplary – TxRx 10mm apart – high side



Photo : 7 Section C – exemplary – without load – front side



Photo : 8 Section C – exemplary – without load – left side

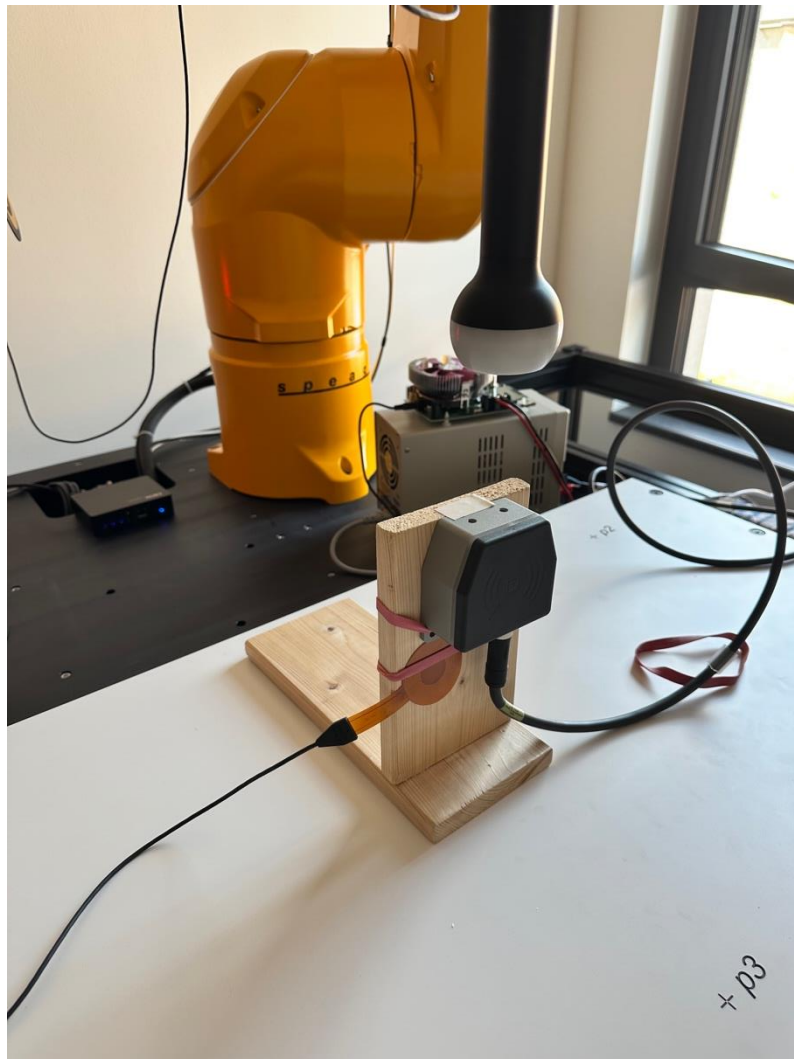


Photo : 9 Section C – exemplary – without load – high side



Photo : 10 Section C – exemplary – without load – low side



Photo : 11 Section C – exemplary – without load – right side

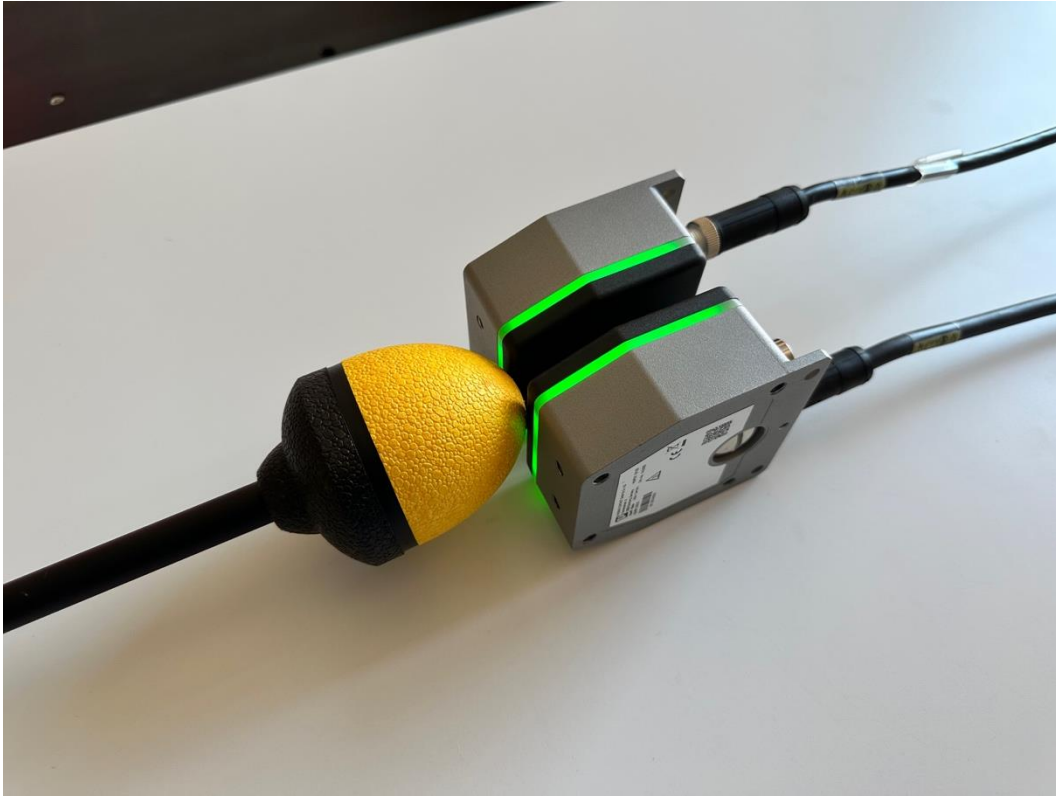


Photo : 12 – 10 MHz & 60 GHz field probe measurements - exemplary



Photo : 13 – 10 MHz & 60 GHz field probe measurements - exemplary

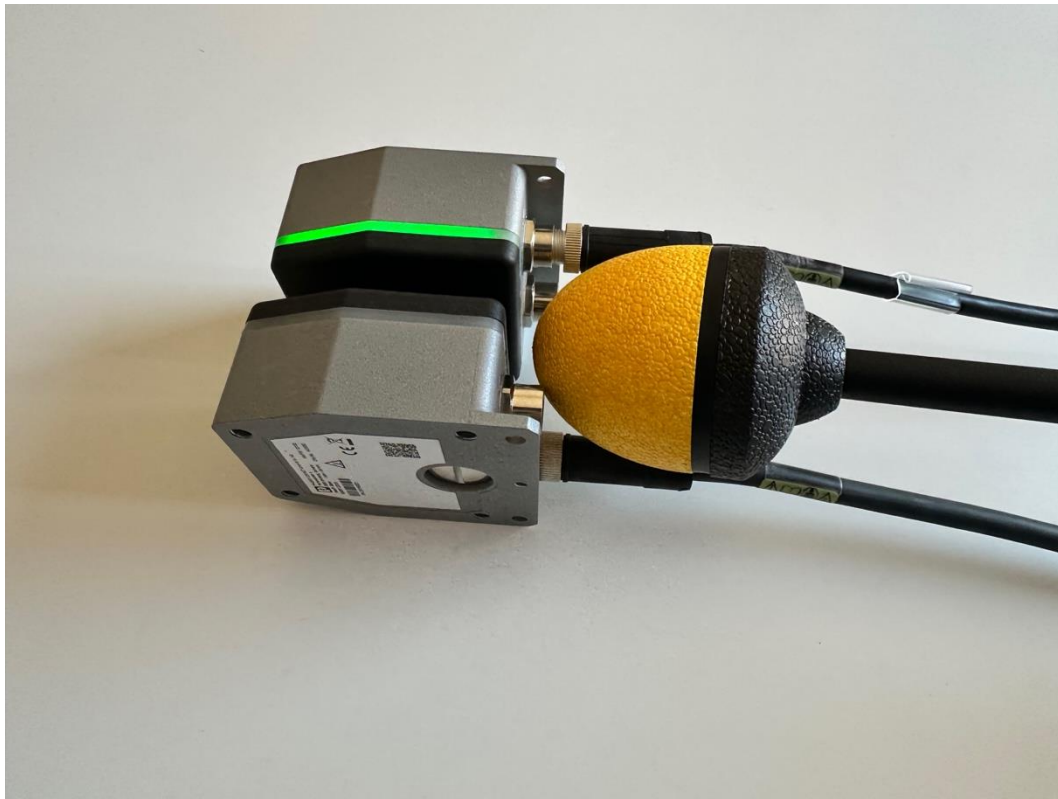


Photo : 14 – 10 MHz & 60 GHz field probe measurements - exemplary



Photo : 15 – 10 MHz & 60 GHz field probe measurements - exemplary



Photo : 16 – 10 MHz & 60 GHz field probe measurements - exemplary



Photo : 17 – 10 MHz & 60 GHz field probe measurements – exemplary

Annex 2 System Performance Check 85 kHz

Device under test

Info:

85 kHz SC

Serial number:

not set

Scenario:

not set

Measurement results

Maximum H-field [rms]:

MAGNITUDE: 118.34 A/m

x: 114.60 A/m, y: 2.36 A/m, z: 29.39 A/m

Maximum H-field location relative to DUT:

x: 91.67 mm, y: -11.00 mm, z: 8.50 mm

Maximum E-field [rms]:

MAGNITUDE: 116.58 V/m

x: 11.32 V/m, y: 4.18 V/m, z: 115.96 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:

76.56 mm

Offset relative to DUT:

x: 0.00 m, y: 0.00 m, z: 1.00 mm

Tool info

DASY software version:

DASY8 Module WPT 2.6.0.5002

Probe model, serial no. and configuration date:

MAGPy-8H3D+E3Dv2, WP000257, 2025/04/24

Software version:

2.0.63, backend: 2.2.22

Scan info

Center location:

x: 0.00 m, y: 0.00 m, z: 37.00 mm

Dimensions:

x: 389.0 mm, y: 477.0 mm, z: 36.7 mm

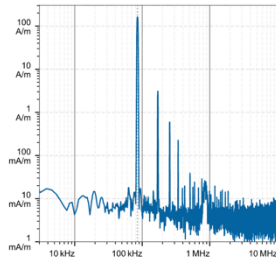
Resolution:

x: 7.33 mm, y: 7.33 mm, z: 7.33 mm

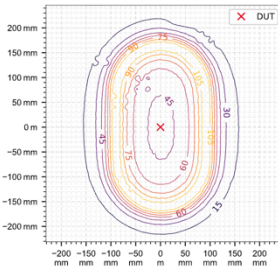
Completed on:

2025/05/13 14:42:16

H-field magnitude [rms] at maximum location



H-field magnitude [rms] at lowest plane



Incident fields and induced fields in the homogeous phantom at the peak frequency

(f = 85.00 kHz, σ = 0.750 S/m, tissue density = 1,000 kg/m³)

Distance [mm]	Peak incident fields [rms]		Peak E _{ind} [V/m, rms]			Peak J _{ind} [A/m², 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.	-20 dB radius [mm]				
0.00	180	117	3.12	3.15	3.16	2.20	5.69	4.26	184	1%	71%	36%	
2.00	165	108	2.95	2.97	2.98	2.08	5.11	3.87	186	1%	71%	38%	

Compliance evaluation (Field values at the peak frequency)

(f=85.00 kHz, total field evaluation)

Distance [mm]	ICNIRP 2010/2020					ICNIRP 1998					IEEE 2019					FCC					HC Code 6				
	pH _{inc} [A/m]	pE _{inc} [V/m]	pE _{ind} [V/m]	psSAR [mW/kg]	BR [rms]	pH _{inc} [A/m]	pE _{inc} [V/m]	pJ _{ind} [A/m²]	psSAR [mW/kg]	BR [rms]	pH _{inc} [A/m]	pE _{inc} [V/m]	pE _{ind} [V/m]	psSAR [mW/kg]	BR [rms]	pH _{inc} [A/m]	pE _{inc} [V/m]	pE _{ind} [V/m]	psSAR [mW/kg]	BR [rms]					
0.00	180	117	3.13	4.26		180	117	2.20	4.26		180	117	3.16	4.26		180	117	N/A	5.69		180	117	3.16	5.69	
2.00	165	108	2.95	3.87		165	108	2.08	3.87		165	108	2.98	3.87		165	108	N/A	5.11		165	108	2.98	5.11	

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			
	pH _{inc}	pE _{inc}	pE _{ind}	psSAR	TH	pH _{inc}	pE _{inc}	pJ _{ind}	psSAR	TH	pH _{inc}	pE _{inc}	pE _{ind}	psSAR	TH	pH _{inc}	pE _{inc}	pE _{ind}	psSAR	TH	pH _{inc}	pE _{inc}	pE _{ind}	psSAR	TH	
0.00	8.57	N/A	6.44	N/A	0.27	N/A	36.0	5.22	13.0	N/A	1.1	N/A	0.87	N/A	0.18	N/A	2.0	2.6	N/A	N/A	2.0	N/A	6.44	N/A	0.28	N/A
2.00	7.84	N/A	5.96	N/A	0.26	N/A	32.9	4.83	12.3	N/A	1.01	N/A	0.81	N/A	0.17	N/A	1.83	2.4	N/A	N/A	1.83	N/A	5.96	N/A	0.26	N/A

Document generated at 2025/05/13 15:09:05, simulation performed at 2025/05/13 15:08:56 using Sim4Life version 8.0.1.15446

Annex 3 System Performance Check 400 kHz

DASY8 Module WPT Measurement Report

Device under test

Info:
400 kHz SC

Serial number:
not set

Scenario:
not set

Tool info

DASY software version:
DASY8 Module WPT 2.6.0.5002

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000257, 2025/04/24

Software version:
2.0.63, backend: 2.2.22

Scan info

Center location:
x: 36.70 mm, y: 36.70 mm, z: 36.00 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:
2025/05/13 15:26:45

Measurement results

Maximum H-field [µA/m]:
MAGNITUDE: 118.99 A/m
x: 24.01 A/m, y: 29.27 A/m, z: 112.81 A/m

Maximum H-field location relative to DUT:
x: 3.70 mm, y: -3.63 mm, z: 8.50 mm

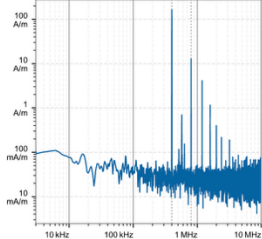
Maximum E-field [µV/m]:
MAGNITUDE: 41.49 V/m
x: 2.20 V/m, y: 798.13 mV/m, z: 41.42 V/m

Maximum E-field location relative to DUT:
x: 36.70 mm, y: 33.33 µm, z: 0.00 m

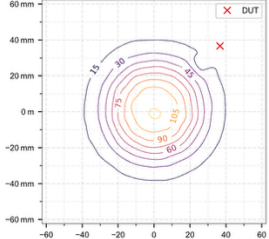
Distance to -20.0 dB boundary:
36.67 mm

Offset relative to DUT:
x: 36.70 mm, y: 36.70 mm, z: 1.00 mm

H-field magnitude [rms] at maximum location



H-field magnitude [rms] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency (f = 400.00 kHz, σ = 0.750 S/m, tissue density = 1,000 kg/m³)

Distance [mm]	Peak incident fields [m]			Peak E _{ind} [V/m, mm]			Peak J _{ind} [A/m², mm]		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	240	41.5	3.84	3.93	3.94	2.44	5.84	2.91	39.5				1%	7%	19%
2.00	211	39.0	3.31	3.40	3.41	2.08	4.26	2.15	39.8				1%	7%	22%
5.00	167	31.7	2.53	2.62	2.61	1.63	2.62	1.38	40.6				1%	7%	27%

Compliance evaluation (Field values at the peak frequency) (f=400.00 kHz, total field evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	RL [µm]	pE _{inc} [V/m]	pE _{ind} [V/m]	psSAR [mW/kg]	RL [µm]	pE _{inc} [V/m]	pJ _{ind} [A/m²]	psSAR [mW/kg]	ERL [µm]	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]	RL [µm]	pE _{inc} [V/m]	pE _{ind} [V/m]	psSAR [mW/kg]
0.00	240	41.5	3.84	2.91	240	41.5	2.44	2.91	240	41.5	3.95	2.91	240	41.5	N/A	5.84	240	41.5	3.94	5.84
2.00	211	39.0	3.31	2.15	211	39.0	2.08	2.15	211	39.0	3.42	2.15	211	39.0	N/A	4.26	211	39.0	3.40	4.26
5.00	167	31.7	2.53	1.38	167	31.7	1.63	1.38	167	31.7	2.61	1.38	167	31.7	N/A	2.62	167	31.7	2.62	2.62

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	12.3	20.1	102.0	45.0	0.09	<0.01	135.0	248.0	4.19	<0.01	1.59	2.7	13.8	101.0	0.06	<0.01	148.0	58.6	N/A	<0.01
2.00	10.8	17.6	96.3	42.3	0.08	<0.01	118.0	233.0	3.65	<0.01	1.4	2.37	13.0	95.4	0.05	<0.01	130.0	55.2	N/A	<0.01
5.00	8.6	14.0	78.2	34.3	0.06	<0.01	94.0	189.0	2.88	<0.01	1.11	1.88	10.6	77.4	0.04	<0.01	103.0	44.8	N/A	<0.01

Document generated at 2025/05/13 15:50:55, simulation performed at 2025/05/13 15:47:29 using Sim4Life version 8.0.1.15446

Annex 4 Measurement Plots for WPT

DASY8 Module WPT Measurement Report

Device under test	Tool info	Scan info
Info: 25011068-44168-026	DASY software version: DASY8 Module WPT 2.8.0.5947	Center location: x: 0.00 m, y: 0.00 m, z: 160.00 mm
Serial number: not set	Probe model, serial no. and configuration date: MAGPy-8H3D+E3DV2, WP000257, 2025/04/24	Dimensions: x: 168.7 mm, y: 168.7 mm, z: 36.0 mm
Scenario: bottomside (cable) w/o load 75mm above touching	Software version: 2.8.8, backend: 2.2.36	Resolution: x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
		Completed on: 2025/06/02 12:24:00

Measurement results

Maximum H-field [µs]:
MAGNITUDE: 394.12 mA/m
x: 334.49 mA/m, y: 6.35 mA/m, z: 208.34 mA/m

Maximum H-field location relative to DUT:
x: 40.33 mm, y: 11.00 mm, z: 8.50 mm

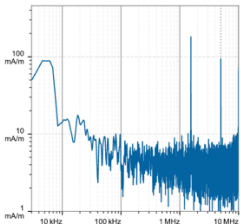
Maximum E-field [µs]:
MAGNITUDE: 925.17 mV/m
x: 119.82 mV/m, y: 66.08 mV/m, z: 914.99 mV/m

Maximum E-field location relative to DUT:
x: 7.33 mm, y: 58.67 mm, z: 0.00 m

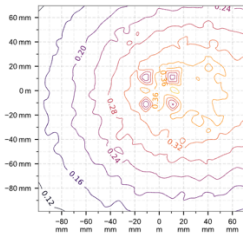
Distance to -20.0 dB boundary:
NaN

Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [µs] at center location



H-field magnitude [µs] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency (f = 143.66 kHz, σ = 0.750 Sm, tissue density = 1,000 kg/m³)

	Peak incident fields [mV]		Peak E _{ind} [V/m, mm]			Peak J _{ind} [A/m², mm]		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	0.516	0.925	0.0121	0.0122	0.0122	8.37e-3	7.77e-5	4.96e-5	95.9	4%	16%	77%	
5.00	0.421	0.853	0.0102	0.0104	0.0104	7.11e-3	5.59e-5	3.70e-5	95.9	4%	16%	83%	
10.0	0.373	0.742	8.73e-3	8.85e-3	8.85e-3	6.04e-3	3.99e-5	3.27e-5	95.9	4%	16%	90%	
15.0	0.335	0.589	7.41e-3	7.52e-3	7.52e-3	5.25e-3	3.46e-5	2.92e-5	95.9	4%	16%	99%	
20.0	0.289	0.569	6.85e-3	6.91e-3	6.91e-3	4.89e-3	3.06e-5	2.53e-5	95.9	4%	16%	100%	

Compliance evaluation (Field values at the peak frequency) (f = 143.66 kHz, total field evaluation)

Distance [mm]	ICNIRP 2010/2020					ICNIRP 1998					IEEE 2019					FCC					HC Code 6				
	RL [μW]		BR [μW]		psSAR [mW/kg]	RL [μW]		BR [μW]		psSAR [mW/kg]	ERL [μW]		DRL [μW]		MPE [μW]		BR [μW]		psSAR [mW/kg]	RL [μW]		BR [μW]			
	pH _{inc} [A/m]	pE _{inc} [V/m]	pE _{ind} [V/m]	pH _{inc} [A/m]		pE _{inc} [V/m]	pJ _{ind} [A/m ²]	pH _{inc} [A/m]	pE _{inc} [V/m]		pE _{ind} [V/m]	pH _{inc} [A/m]	pE _{inc} [V/m]	pE _{ind} [V/m]	pH _{inc} [A/m]	pE _{inc} [V/m]	pE _{ind} [V/m]	pH _{inc} [A/m]		pE _{inc} [V/m]	pE _{ind} [V/m]	pH _{inc} [A/m]	pE _{inc} [V/m]	pE _{ind} [V/m]	psSAR [mW/kg]
0.00	0.516	0.925	0.0121	4.96e-5	0.516	0.925	8.4e-3	4.96e-5	0.516	0.925	0.0123	4.96e-5	0.516	0.925	N/A	7.77e-5	0.516	0.925	0.0122	7.77e-5					
5.00	0.421	0.853	0.0103	3.70e-5	0.421	0.853	7.14e-3	3.70e-5	0.421	0.853	0.0104	3.70e-5	0.421	0.853	N/A	5.59e-5	0.421	0.853	0.0104	5.59e-5					
10.0	0.373	0.742	8.76e-3	3.27e-5	0.373	0.742	6.06e-3	3.27e-5	0.373	0.742	8.88e-3	3.27e-5	0.373	0.742	N/A	3.99e-5	0.373	0.742	8.88e-3	3.99e-5					
15.0	0.335	0.589	7.43e-3	2.92e-5	0.335	0.589	5.27e-3	2.92e-5	0.335	0.589	7.55e-3	2.92e-5	0.335	0.589	N/A	3.46e-5	0.335	0.589	7.55e-3	3.46e-5					
20.0	0.289	0.569	6.87e-3	2.53e-5	0.289	0.569	4.91e-3	2.53e-5	0.289	0.569	6.93e-3	2.53e-5	0.289	0.569	N/A	3.06e-5	0.289	0.569	6.93e-3	3.06e-5					

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			
	p _{Hinc}		p _{Enc}		p _{Ind}		psSAR		p _{Hinc}		p _{Enc}		p _{Ind}		psSAR		p _{Hinc}		p _{Enc}		p _{Ind}		psSAR		p _{Hinc}		p _{Enc}		p _{Ind}		psSAR		p _{Hinc}		p _{Enc}		p _{Ind}		psSAR	
	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	0.02	0.02	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.10	N/A	0.01	N/A	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.32	<0.01	N/A	N/A	<0.01	<0.01	0.10	0.01	N/A	<0.01	<0.01	<0.01	<0.01		
5.00	0.02	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.08	<0.01	0.02	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.26	<0.01	N/A	<0.01	<0.01	0.08	0.01	N/A	<0.01	<0.01	<0.01	<0.01			
10.0	0.02	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.07	<0.01	0.02	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.23	<0.01	N/A	<0.01	<0.01	0.07	<0.01	N/A	<0.01	<0.01	<0.01	<0.01			
15.0	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.07	<0.01	0.02	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.21	<0.01	N/A	<0.01	<0.01	0.07	<0.01	N/A	<0.01	<0.01	<0.01	<0.01			
20.0	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.06	<0.01	0.02	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.18	<0.01	N/A	<0.01	<0.01	0.06	<0.01	N/A	<0.01	<0.01	<0.01	<0.01	<0.01		

DASY8 Module WPT Measurement Report

Device under test

Info:
25011068-44168-012

Serial number:
not set

Scenario:
bottom(cables)_with_load TxRx 10mm apart 75mm above touching

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5947

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000257, 2025/04/24

Software version:
2.8.8, backend: 2.2.36

Scan info

Center location:
x: -80.00 µm, y: 40.00 µm, z: 159.00 mm

Dimensions:
x: 433.0 mm, y: 389.0 mm, z: 37.0 mm

Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm

Completed on:
2025/05/22 10:04:29

Measurement results

Maximum H-field [µs]:
MAGNITUDE: 1.09 A/m
x: 936.42 mA/m, y: 247.08 mA/m, z: 501.26 mA/m

Maximum H-field location relative to DUT:
x: 3.67 mm, y: 18.33 mm, z: 8.50 mm

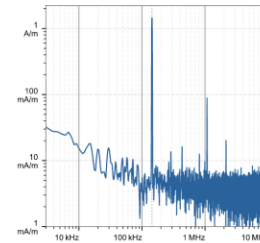
Maximum E-field [µs]:
MAGNITUDE: 3.18 V/m
x: 258.84 mV/m, y: 703.63 mV/m, z: 3.09 V/m

Maximum E-field location relative to DUT:
x: 14.67 mm, y: 14.67 mm, z: 0.00 m

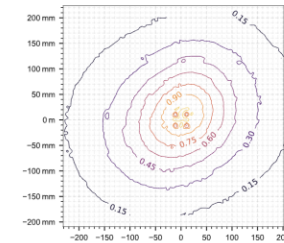
Distance to -20.0 dB boundary:
210.12 mm

Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [µs] at center location



H-field magnitude [µs] at lowest plane



DASY8 Module WPT Measurement Report

Device under test

Info:
25011068-44168-012

Serial number:
not set

Scenario:
bottom(cables)_with_load TxRx 10mm apart 75mm above touching

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5947

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000257, 2025/04/24

Software version:
2.8.8, backend: 2.2.36

Scan info

Center location:
x: -80.00 µm, y: 40.00 µm, z: 159.00 mm

Dimensions:
x: 433.0 mm, y: 389.0 mm, z: 37.0 mm

Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm

Completed on:
2025/05/22 10:04:29

Measurement results

Maximum H-field [µm/s]:
MAGNITUDE: 1.09 A/m
x: 936.42 mA/m, y: 247.08 mA/m, z: 501.26 mA/m

Maximum H-field location relative to DUT:
x: 3.67 mm, y: 18.33 mm, z: 8.50 mm

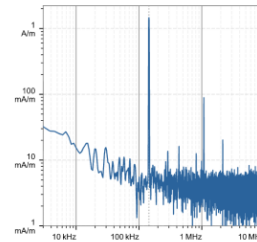
Maximum E-field [µm/s]:
MAGNITUDE: 3.18 V/m
x: 258.84 mV/m, y: 703.63 mV/m, z: 3.09 V/m

Maximum E-field location relative to DUT:
x: 14.67 mm, y: 14.67 mm, z: 0.00 mm

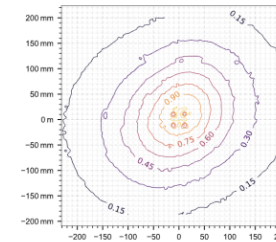
Distance to -20.0 dB boundary:
210.12 mm

Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [µm/s] at center location



H-field magnitude [µm/s] at lowest plane



DASY8 Module WPT Measurement Report

Device under test

Info:
25011068-44168-012

Serial number:
not set

Scenario:
bottom(cables)_with_load TxRx 10mm apart 75mm above touching

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5947

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000257, 2025/04/24

Software version:
2.8.8, backend: 2.2.36

Scan info

Center location:
x: -80.00 µm, y: 40.00 µm, z: 159.00 mm

Dimensions:
x: 433.0 mm, y: 389.0 mm, z: 37.0 mm

Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm

Completed on:
2025/05/22 10:04:29

Measurement results

Maximum H-field [µA/m]:
MAGNITUDE: 1.09 A/m
x: 936.42 mA/m, y: 247.08 mA/m, z: 501.26 mA/m

Maximum H-field location relative to DUT:
x: 3.67 mm, y: 18.33 mm, z: 8.50 mm

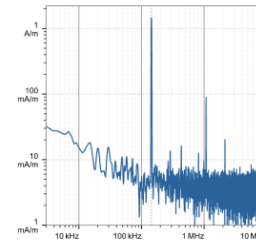
Maximum E-field [µA/m]:
MAGNITUDE: 3.18 V/m
x: 258.84 mV/m, y: 703.63 mV/m, z: 3.09 V/m

Maximum E-field location relative to DUT:
x: 14.67 mm, y: 14.67 mm, z: 0.00 mm

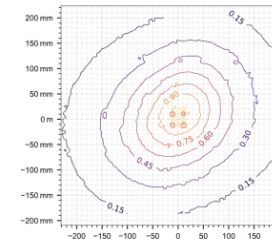
Distance to -20.0 dB boundary:
210.12 mm

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



DASY8 Module WPT Measurement Report

Device under test

Info:
25011068-44168-012

Serial number:
not set

Scenario:
bottom(cables)_with_load TxRx 10mm apart 75mm above touching

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5947

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000257, 2025/04/24

Software version:
2.8.8, backend: 2.2.36

Scan info

Center location:
x: -80.00 µm, y: 40.00 µm, z: 159.00 mm

Dimensions:
x: 433.0 mm, y: 389.0 mm, z: 37.0 mm

Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm

Completed on:
2025/05/22 10:04:29

Measurement results

Maximum H-field [µm]:

MAGNITUDE: 1.09 A/m
x: 936.42 mA/m, y: 247.08 mA/m, z: 501.26 mA/m

Maximum H-field location relative to DUT:
x: 3.67 mm, y: 18.33 mm, z: 8.50 mm

Maximum E-field [µm]:

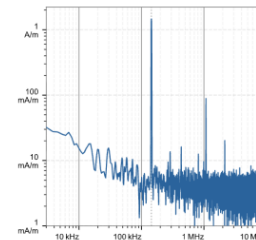
MAGNITUDE: 3.18 V/m
x: 258.84 mV/m, y: 703.63 mV/m, z: 3.09 V/m

Maximum E-field location relative to DUT:
x: 14.67 mm, y: 14.67 mm, z: 0.00 m

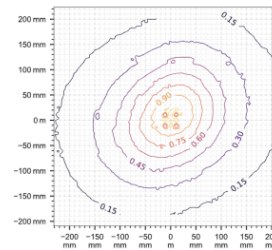
Distance to -20.0 dB boundary:
210.12 mm

Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [µm] at center location



H-field magnitude [µm] at lowest plane



DASY8 Module WPT Measurement Report

Device under test

Info:
25011068-44168-012

Serial number:
not set

Scenario:
bottom(cables)_with_load TxRx 10mm apart 75mm above touching

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5947

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000257, 2025/04/24

Software version:
2.8.8, backend: 2.2.36

Scan info

Center location:
x: -80.00 µm, y: 40.00 µm, z: 159.00 mm

Dimensions:
x: 433.0 mm, y: 389.0 mm, z: 37.0 mm

Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm

Completed on:
2025/05/22 10:04:29

Measurement results

Maximum H-field [µm/s]:
MAGNITUDE: 1.09 A/m
x: 936.42 mA/m, y: 247.08 mA/m, z: 501.26 mA/m

Maximum H-field location relative to DUT:
x: 3.67 mm, y: 18.33 mm, z: 8.50 mm

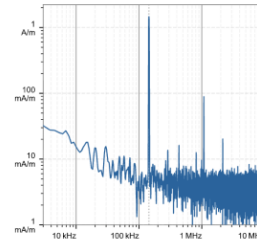
Maximum E-field [µm/s]:
MAGNITUDE: 3.18 V/m
x: 258.84 mV/m, y: 703.63 mV/m, z: 3.09 V/m

Maximum E-field location relative to DUT:
x: 14.67 mm, y: 14.67 mm, z: 0.00 mm

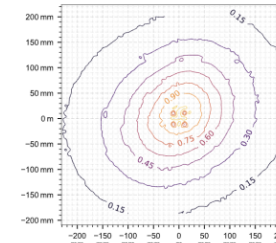
Distance to -20.0 dB boundary:
210.12 mm

Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [µm/s] at center location



H-field magnitude [µm/s] at lowest plane



DASY8 Module WPT Measurement Report

Device under test

Info:
25011068-44168-012

Serial number:
not set

Scenario:
bottom(cables)_with_load TxRx 10mm apart 75mm above touching

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5947

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000257, 2025/04/24

Software version:
2.8.8, backend: 2.2.36

Scan info

Center location:
x: -80.00 µm, y: 40.00 µm, z: 159.00 mm

Dimensions:
x: 433.0 mm, y: 389.0 mm, z: 37.0 mm

Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm

Completed on:
2025/05/22 10:04:29

Measurement results

Maximum H-field [µA/m]:
MAGNITUDE: 1.09 A/m
x: 936.42 mA/m, y: 247.08 mA/m, z: 501.26 mA/m

Maximum H-field location relative to DUT:
x: 3.67 mm, y: 18.33 mm, z: 8.50 mm

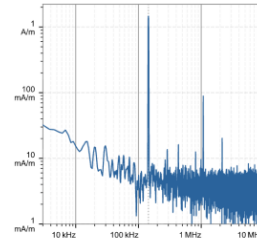
Maximum E-field [µV/m]:
MAGNITUDE: 3.18 V/m
x: 258.84 mV/m, y: 703.63 mV/m, z: 3.09 V/m

Maximum E-field location relative to DUT:
x: 14.67 mm, y: 14.67 mm, z: 0.00 mm

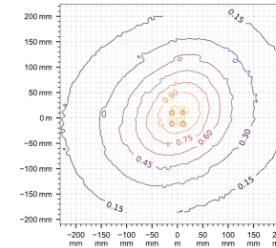
Distance to -20.0 dB boundary:
210.12 mm

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



TR no.: 25011068-44168-0

2025-08-25

DASY8 Module WPT Measurement Report

Device under test

Info:
25011068-44168-012

Serial number:
not set

Scenario:
bottom(cables)_with_load TxRx 10mm apart 75mm above touching

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5947

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000257, 2025/04/24

Software version:
2.8.8, backend: 2.2.36

Scan info

Center location:
x: -80.00 µm, y: 40.00 µm, z: 159.00 mm

Dimensions:
x: 433.0 mm, y: 389.0 mm, z: 37.0 mm

Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm

Completed on:
2025/05/22 10:04:29

Measurement results

Maximum H-field [µs]:
MAGNITUDE: 1.09 A/m
x: 936.42 mA/m, y: 247.08 mA/m, z: 501.26 mA/m

Maximum H-field location relative to DUT:
x: 3.67 mm, y: 18.33 mm, z: 8.50 mm

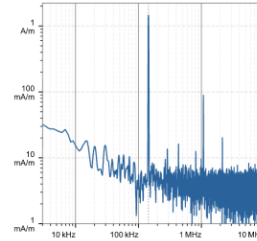
Maximum E-field [µs]:
MAGNITUDE: 3.18 V/m
x: 258.84 mV/m, y: 703.63 mV/m, z: 3.09 V/m

Maximum E-field location relative to DUT:
x: 14.67 mm, y: 14.67 mm, z: 0.00 mm

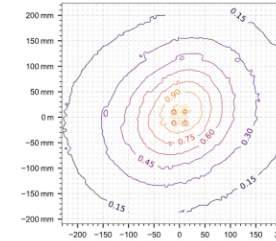
Distance to -20.0 dB boundary:
210.12 mm

Offset relative to DUT:
x: 0.00 mm, y: 0.00 mm, z: 1.00 mm

H-field magnitude [µs] at center location



H-field magnitude [µs] at lowest plane



DASY8 Module WPT Measurement Report

Device under test

Info:
25011068-44168-012

Serial number:
not set

Scenario:
bottom(cables)_with_load TxRx 10mm apart 75mm above touching

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5947

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000257, 2025/04/24

Software version:
2.8.8, backend: 2.2.36

Scan info

Center location:
x: -80.00 µm, y: 40.00 µm, z: 159.00 mm

Dimensions:
x: 433.0 mm, y: 389.0 mm, z: 37.0 mm

Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm

Completed on:
2025/05/22 10:04:29

Measurement results

Maximum H-field [µs]:
MAGNITUDE: 1.09 A/m
x: 936.42 mA/m, y: 247.08 mA/m, z: 501.26 mA/m

Maximum H-field location relative to DUT:
x: 3.67 mm, y: 18.33 mm, z: 8.50 mm

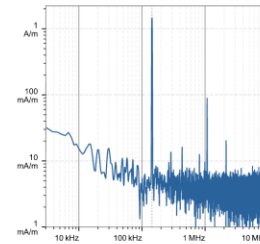
Maximum E-field [µs]:
MAGNITUDE: 3.18 V/m
x: 258.84 mV/m, y: 703.63 mV/m, z: 3.09 V/m

Maximum E-field location relative to DUT:
x: 14.67 mm, y: 14.67 mm, z: 0.00 m

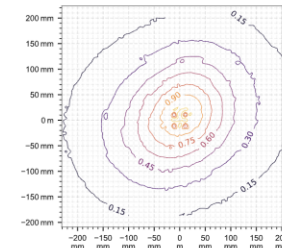
Distance to -20.0 dB boundary:
210.12 mm

Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [µs] at center location



H-field magnitude [µs] at lowest plane



TR no.: 25011068-44168-0

2025-08-25

End of Test Report
