

Annex B - WPT System results

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Testing Laboratory

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Accredited Test Laboratory:

The testing laboratory (area of testing) is accredited according to DIN EN ISO/IEC 17025 (2018-03) by the Deutsche Akkreditierungsstelle GmbH (DAkkS)

The accreditation is valid for the scope of testing procedures as stated in the accreditation certificate starting with the registration number: D-PL-12047-01-00.

DASY8 Module WPT Measurement Report

Device under test

Info:
Euchner
Serial number:
173914
Scenario:
centre of EUT at worst case side touch (top)

Tool info

DASY software version:
DASY8 Module WPT 2.6.0.5002
Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000009, 2023/11/02
Software version:
2.0.61, backend: 2.2.22

Scan info

Center location:
x: -12.00 mm, y: -3.00 mm, z: 165.00 mm
Dimensions:
x: 124.7 mm, y: 124.7 mm, z: 37.0 mm
Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
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Measurement results

Maximum H-field [mA/m]
MAGNITUDE: **1.62 A/m**
x: 489.04 mA/m, y: 330.25 mA/m, z: 1.51 A/m
Maximum H-field location relative to DUT:
x: 3.67 mm, y: -3.67 mm, z: 8.50 mm

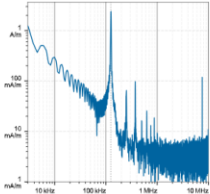
Maximum E-field [V/m]
MAGNITUDE: **31.09 V/m**
x: 502.10 mV/m, y: 270.40 mV/m, z: 31.00 V/m

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

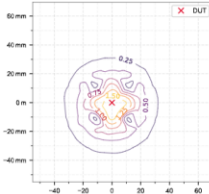
Distance to -20.0 dB boundary:
36.67 mm

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

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



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



Incident fields and induced fields in the homogeneous phantom at the peak frequency (f = 125.00 kHz, $\sigma = 0.750$ S/m, tissue density = 1,000 kg/m³)

Distance [mm]	Peak incident fields [mV]		Peak E _{ind} [V/m, mm]			Peak J _{ind} [A/m ² , 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	3.61	31.1	0.012	0.012	0.012	0.007	0.000	0.000	34.0	21%	30%	41%		
2.00	3.12	29.1	0.010	0.010	0.010	0.006	0.000	0.000	34.7	21%	30%	43%		
5.00	2.40	23.2	0.008	0.008	0.008	0.005	0.000	0.000	36.3	21%	30%	50%		

Compliance evaluation (Field values at the peak frequency) (f = 125.00 kHz, total field evaluation, coverage evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCG				HC Code 5			
	PL _{inc}	RL [mV]	PE _{inc}	BR [mV]	PL _{inc}	RL [mV]	PE _{inc}	BR [mV]	PL _{inc}	RL [mV]	PE _{inc}	BR [mV]	PL _{inc}	RL [mV]	PE _{inc}	BR [mV]	PL _{inc}	RL [mV]	PE _{inc}	BR [mV]
0.00	3.61	31.1	0.065	0.000	3.61	31.1	0.008	0.000	3.61	31.1	0.037	0.000	3.61	31.1	N/A	0.000	3.61	31.1	0.093	0.000
2.00	3.12	29.1	0.056	0.000	3.12	29.1	0.007	0.000	3.12	29.1	0.032	0.000	3.12	29.1	N/A	0.000	3.12	29.1	0.081	0.000
5.00	2.40	23.2	0.044	0.000	2.40	23.2	0.005	0.000	2.40	23.2	0.025	0.000	2.40	23.2	N/A	0.000	2.40	23.2	0.064	0.000

Coverage factors: $W_{E_{inc}, cube avg} = [3.31, 5.32, 5.34]$, $W_{E_{inc}, line} = [7.50, 7.51, 7.50]$, $W_{E_{inc}, surface} = [2.92, 2.92, 2.93]$

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

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCG				HC Code 5			
	PL _{inc}	RL	PE _{inc}	BR	PL _{inc}	RL	PE _{inc}	BR	PL _{inc}	RL	PE _{inc}	BR	PL _{inc}	RL	PE _{inc}	BR	PL _{inc}	RL	PE _{inc}	BR
0.00	0.17	0.09	1.26	0.02	<0.01	<0.01	0.72	1.2	0.04	<0.01	0.02	0.01	0.17	0.03	<0.01	<0.01	2.22	0.31	N/A	<0.01
2.00	0.15	0.08	1.18	0.01	<0.01	<0.01	0.62	1.13	0.04	<0.01	0.02	0.01	0.16	0.03	<0.01	<0.01	1.92	0.29	N/A	<0.01
5.00	0.11	0.06	0.94	0.01	<0.01	<0.01	0.48	0.90	0.03	<0.01	0.01	<0.01	0.13	0.02	<0.01	<0.01	1.47	0.23	N/A	<0.01

Coverage factors: $W_{E_{inc}, cube avg} = [3.31, 5.32, 5.34]$, $W_{E_{inc}, line} = [7.50, 7.51, 7.50]$, $W_{E_{inc}, surface} = [2.92, 2.92, 2.93]$

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