

Annex B - WPT System results

Appendix No.: 1-7881-24-01-03_TR1-A201-R01

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:
PILZ - PSENgate1

Serial number:
SH000004488 YOM 2024

Scenario:
centre of EUT at worst case side touch

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: 0.00 m, y: 10.00 mm, z: 172.00 mm

Dimensions:
x: 169.0 mm, y: 168.7 mm, z: 36.0 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]
Maximum: 79.25 mA/m
x: 41.45 mA/m, y: 59.59 mA/m, z: 25.63 mA/m

Maximum H-field location relative to DUT
x: 84.33 mm, y: -135.67 mm, z: 30.50 mm

Maximum E-field [V/m]
Maximum: 3.06 V/m

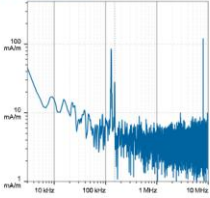
x: 12.77 mV/m, y: 15.07 mV/m, z: 3.05 V/m

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

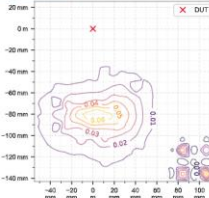
Distance to -20.0 dB boundary:
37.39 mm

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 = 129.60 kHz, $\sigma = 0.750$ S/m, tissue density = 1,000 kg/m³)

Distance [mm]	Peak incident fields [mA/m]			Peak E_{ind} [V/m, mA/m]			Peak J_{ind} [A/m ² , mA/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.	-20 dB radius [mm]					
0.00	0.144	3.06	0.001	0.001	0.001	0.001	0.000	0.000	49.6	26%	36%	26%		

Compliance evaluation (Field values at the peak frequency) (f = 129.60 kHz, total field evaluation, coverage evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCG				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]	ERL [mA/m]	PE _{inc} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]	MPE [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]
0.00	0.144	3.06	0.010	0.000	0.144	3.06	0.001	0.000	0.144	3.06	0.006	0.000	0.144	3.06	N/A	0.000	0.144	3.06	0.015	0.000
Coverage factors: $W_{E_{inc, cube}} = [2.54]$, $W_{E_{inc, local}} = [7.63]$, $W_{E_{inc, line}} = [3.02]$																				

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 6			
	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH
0.00	<0.01	<0.01	44.4	22.6	<0.01	<0.01	0.05	32.6	0.39	<0.01	<0.01	6.0	22.9	<0.01	<0.01	0.09	3.62	N/A	<0.01	<0.01
Coverage factors: $W_{E_{inc, cube}} = [2.54]$, $W_{E_{inc, local}} = [7.63]$, $W_{E_{inc, line}} = [3.02]$																				
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