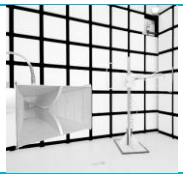
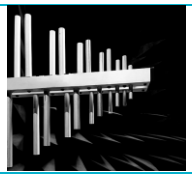
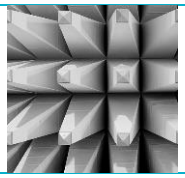




Annex B - WPT System results

Appendix No.: 1-8140-24-01-05_TR2-A201-R01

Testing Laboratory

cetecom advanced GmbH
Untertuerkheimer Strasse 6 – 10
66117 Saarbruecken/Germany
Phone: + 49 681 5 98 - 0
Fax: + 49 681 5 98 - 9075
Internet: https://www.cetecomadvanced.com
e-mail: mail@cetecomadvanced.com

DASY8 Module WPT Measurement Report

Device under test

Info:
EUCHNER - EKS2

Serial number:
001055

Scenario:
Touch position above EUT Top side center

Tool info

DASY software version:
DASY8 Module WPT 2.6.0.5002

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000009, *2024/11/06*

Software version:
2.0.61, *backend: 2.2.22*

Scan info

Center location:
x: 0.00 m, y: 0.00 m, z: 53.00 mm

Dimensions:
x: 168.7 mm, y: 168.7 mm, z: 80.5 mm

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

Completed on:
2024/11/19 12:27:57

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 5.30 A/m
x: 541.00 mA/m, y: 385.36 mA/m, z: 5.25 A/m

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

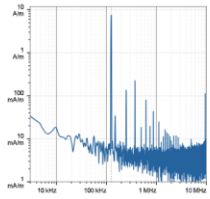
Maximum E-field [RMS]:
MAGNITUDE: 33.11 V/m
x: 1.35 V/m, y: 524.60 mV/m, z: 33.08 V/m

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

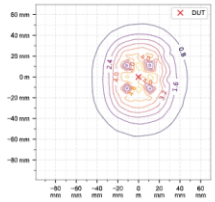
Distance to -20.0 dB boundary:
51.33 mm

Offset relative to DUT:
x: 0.00 m, y: 0.00 m, 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 homogeous phantom at the peak frequency

(f = 125.00 kHz, σ = 0.750 S/m, tissue density = 1,000 kg/m³)

Distance [mm]	Peak incident fields [RMS] H_{inc} [A/m]	E_{inc} [V/m]	Peak E_{ind} [V/m, RMS] Cube avg.	Local	Line avg.	Peak J_{ind} [A/m², RMS] Surface avg.	psSAR [mW/kg] 1g avg.	10g avg.	H-field extent -20 dB radius [mm]	Warnings Sign	Vector potential	Boundary effect
0.00	9.45	33.1	0.075	0.076	0.077	0.047	0.002	0.001	52.3		3%	51%	33%

Compliance evaluation (Field values at the peak frequency)

(f=125.00 kHz, total field evaluation, coverage evaluation)

Distance [mm]	ICNIRP 2010/2020 RL [AVG] pH_{inc} [A/m]	pE_{inc} [V/m]	BR [AVG] pE_{ind} [V/m]	psSAR [mW/kg]	ICNIRP 1998 RL [AVG] pH_{inc} [A/m]	pE_{inc} [V/m]	BR [AVG] pJ_{ind} [A/m²]	psSAR [mW/kg]	IEEE 2019 ERL [AVG] pH_{inc} [A/m]	pE_{inc} [V/m]	DRL [AVG] pE_{ind} [V/m]	psSAR [mW/kg]	FCC MPE [AVG] pH_{inc} [A/m]	pE_{inc} [V/m]	BR [AVG] pE_{ind} [V/m]	psSAR [mW/kg]	HC Code 6 RL [AVG] pH_{inc} [A/m]	pE_{inc} [V/m]	BR [AVG] pE_{ind} [V/m]	psSAR [mW/kg]
0.00	9.45	33.1	0.42	0.001	9.45	33.1	0.048	0.001	9.45	33.1	0.235	0.001	9.45	33.1	N/A	0.002	9.45	33.1	0.608	0.002

Coverage factors: $w_{E_{inc,cube\,avg.}}$ = [5.59], $w_{E_{inc,local}}$ = [7.89], $w_{E_{inc,line\,avg.}}$ = [3.04]

Compliance evaluation (Exposure ratios)

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

Distance [mm]	ICNIRP 2010/2020 RL pH_{inc} NS	TH	pE_{inc} NS	TH	BR pE_{ind} NS	psSAR TH	ICNIRP 1998 RL pH_{inc} N/A	pE_{inc} N/A	BR pJ_{ind} NS	psSAR TH	IEEE 2019 ERL pH_{inc} NS	TH	pE_{inc} NS	TH	DRL pE_{ind} NS	psSAR TH	FCC MPE pH_{inc} N/A	pE_{inc} N/A	BR pE_{ind} N/A	psSAR TH	HC Code 6 RL pH_{inc} NS	TH	pE_{inc} NS	TH	BR pE_{ind} NS	psSAR TH
0.00	0.45	0.24	0.48	0.01	0.02	<0.01	1.89	0.46	0.19	<0.01	0.06	0.03	0.07	0.02	<0.01	<0.01	5.8	0.10	N/A	<0.01	0.11	1.62	0.48	0.14	0.04	<0.01

Coverage factors: $w_{E_{inc,cube\,avg.}}$ = [5.59], $w_{E_{inc,local}}$ = [7.89], $w_{E_{inc,line\,avg.}}$ = [3.04]

Document generated at 2024/11/19 12:42:41, simulation performed at 2024/11/19 12:34:24 using Sim4Life version 8.0.1.15446