

Annex B - WPT System results

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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:
nVia

Serial number:
8

Scenario:
not set
backside touch

Tool info

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

Software version:
2.0.61, backend: 2.2.22

Scan info

Center location:
x: 50.00 mm, y: -65.00 mm, z: 64.00 mm

Dimensions:
x: 169.0 mm, y: 256.7 mm, z: 124.5 mm

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

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Measurement results

Maximum H-field [mA/m]:
MAGNITUDE: 32.98 A/m
x: 5.04 A/m, y: 24.40 A/m, z: 21.61 A/m
Maximum H-field location relative to DUT:
x: 25.67 mm, y: -25.67 mm, z: 8.50 mm

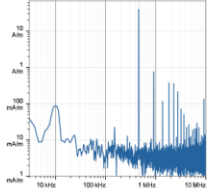
Maximum E-field [V/m]:
MAGNITUDE: 136.73 V/m
x: 34.66 V/m, y: 9.64 V/m, z: 131.92 V/m

Maximum E-field location relative to DUT:
x: 14.67 mm, y: -29.33 mm, z: 0.00 m

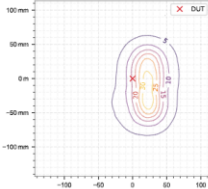
Distance to -20.0 dB boundary:
57.28 mm

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 = 457.02 kHz, $\sigma = 0.750 \text{ S/m}$, tissue density = 1.000 kg/m^3)

	Peak incident fields [mA]			Peak E_{ind} [V/m, mA]			Peak J_{ed} [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.	tp avg.	10p avg.		<20 dB radius [mm]	Sign	Vector potential	Boundary effect			
0.00	65.3	137	2.44	2.48	2.49	1.62	2.87	1.42	59.3	2%	10%	36%				
2.00	57.5	127	2.15	2.21	2.20	1.43	2.09	1.13	61.3	2%	10%	36%				
5.00	45.7	96.3	1.76	1.80	1.80	1.18	1.44	0.801	65.3	2%	10%	42%				

Compliance evaluation (Field values at the peak frequency) (f = 457.02 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]	PE _{inc} [A/m]	PE _{ind} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]	PE _{inc} [A/m]	PE _{ind} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]	PE _{inc} [A/m]	PE _{ind} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]
0.00	65.3	137	13.9	1.42	65.3	137	1.63	1.42	65.3	137	7.69	1.42	65.3	137	N/A	2.67	65.3	137	20.0	2.67
2.00	57.5	127	12.3	1.13	57.5	127	1.44	1.13	57.5	127	6.83	1.13	57.5	127	N/A	2.09	57.5	127	17.8	2.09
5.00	45.7	96.3	10.2	0.801	45.7	96.3	1.19	0.801	45.7	96.3	5.83	0.801	45.7	96.3	N/A	1.44	45.7	96.3	14.7	1.44

Coverage factors: $W_{E_{inc}, cube, avg} = [5.68, 5.72, 5.78]$, $W_{E_{inc}, local} = [8.04, 8.08, 8.16]$, $W_{E_{inc}, line, avg} = [3.08, 3.09, 3.12]$

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			
	PE _{inc} TH	NS	TH	NS	PE _{inc} TH	NS	TH	NS	PE _{inc} TH	NS	TH	NS	PE _{inc} TH	NS	TH	NS	PE _{inc} TH	NS	TH	NS
0.00	3.11	6.09	2.22	0.14	0.23	<0.01	40.9	2.31	1.79	<0.01	0.40	0.82	0.30	0.11	0.08	<0.01	40.1	0.34	N/A	<0.01
2.00	2.74	5.36	2.05	0.13	0.20	<0.01	36.0	2.14	1.58	<0.01	0.35	0.72	0.28	0.10	0.07	<0.01	35.3	0.32	N/A	<0.01
5.00	2.18	4.26	1.56	0.10	0.17	<0.01	28.6	1.63	1.3	<0.01	0.28	0.57	0.21	0.07	0.06	<0.01	28.1	0.24	N/A	<0.01

Coverage factors: $W_{E_{inc}, cube, avg} = [5.68, 5.72, 5.78]$, $W_{E_{inc}, local} = [8.04, 8.08, 8.16]$, $W_{E_{inc}, line, avg} = [3.08, 3.09, 3.12]$

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