

APPENDIX A: RF EXPOSURE TEST PLOTS

Plot A-1 Verification Test Data

cDASY6 Module WPT Measurement Report

Device under test

Info:
85kHz Verification

Serial number:
1011

Scenario:
10-2-2025

Tool info

DASY software version:
cDASY6 Module WPT 2.8.0.5184

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000210, 2025/06/13

Software version:
2.8.8, backend: 2.2.36

Scan info

Center location:
x: 30.49 mm, y: -143.81 mm, z: 47.12 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:
2025/10/02 17:33:25

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 130.24 A/m
x: 7.62 A/m, y: 120.66 A/m, z: 48.44 A/m

Maximum H-field location relative to DUT:
x: 11.00 mm, y: -165.00 mm, z: 8.50 mm

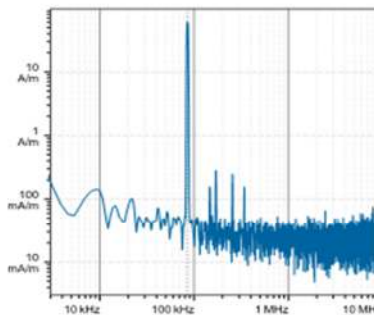
Maximum E-field [rms]:
MAGNITUDE: 192.92 V/m
x: 6.11 V/m, y: 9.77 V/m, z: 192.57 V/m

Maximum E-field location relative to DUT:
x: 88.00 mm, y: 176.00 mm, z: 0.00 m

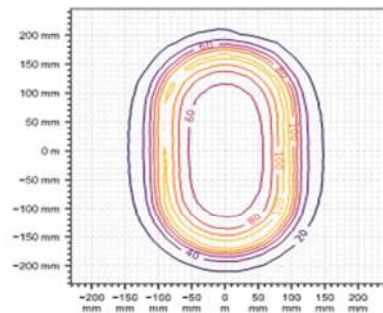
Distance to -20.0 dB boundary:
59.12 mm

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

H-field magnitude [rms] at center location



H-field magnitude [rms] at lowest plane



Incident fields and induced fields in the homogeneous 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		Warnings	
	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	196	193	3.21	3.24	3.25	2.26	6.00	4.49	182	2%	89%	36%	
2.00	180	177	3.03	3.05	3.06	2.13	5.38	4.07	184	2%	89%	38%	

Compliance evaluation (Field values at the peak frequency) (f=85.00 kHz, total field evaluation, coverage evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	RL [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]
	pH _{inc}	pE _{inc}	pE _{ind}	psSAR	pH _{inc}	pE _{inc}	pJ _{ind}	psSAR	pH _{inc}	pE _{inc}	pE _{ind}	psSAR	pH _{inc}	pE _{inc}	pE _{ind}	psSAR	pH _{inc}	pE _{inc}	pE _{ind}	psSAR
	[A/m]	[V/m]	[V/m]	[mW/kg]	[A/m]	[V/m]	[A/m²]	[mW/kg]	[A/m]	[V/m]	[V/m]	[mW/kg]	[A/m]	[V/m]	[V/m]	[mW/kg]	[A/m]	[V/m]	[V/m]	[mW/kg]
0.00	196	193	24.2	4.49	196	193	2.26	4.49	196	193	12.6	4.49	196	193	N/A	6.00	196	193	34.5	6.00
2.00	180	177	22.9	4.07	180	177	2.13	4.07	180	177	11.9	4.07	180	177	N/A	5.38	180	177	32.6	5.38

Coverage factors: $w_{p, \text{ind, cube avg.}} = [7.53, 7.57]$, $w_{p, \text{ind, local}} = [10.64, 10.69]$, $w_{p, \text{ind, line avg.}} = [3.87, 3.89]$

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

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	RL	BR	RL	BR	RL	BR	RL	BR	RL	BR	RL	BR	RL	BR	RL	BR	RL	BR	RL	BR
	pH _{inc}	pE _{inc}	pE _{ind}	psSAR	pH _{inc}	pE _{inc}	pJ _{ind}	psSAR	pH _{inc}	pE _{inc}	pE _{ind}	psSAR	pH _{inc}	pE _{inc}	pE _{ind}	psSAR	pH _{inc}	pE _{inc}	pE _{ind}	psSAR
	NS	TH	NS	TH	NS	TH	N/A	N/A	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH
0.00	9.35	N/A	5.27	N/A	2.11	N/A	39.3	4.7	13.3	N/A	1.2	N/A	0.71	N/A	0.71	N/A	2.18	3.33	N/A	N/A
2.00	8.55	N/A	4.85	N/A	2.0	N/A	35.9	4.32	12.6	N/A	1.1	N/A	0.66	N/A	0.67	N/A	2.0	3.07	N/A	N/A

Coverage factors: $w_{p, \text{ind, cube avg.}} = [7.53, 7.57]$, $w_{p, \text{ind, local}} = [10.64, 10.69]$, $w_{p, \text{ind, line avg.}} = [3.87, 3.89]$

Document generated at 2025/10/03 09:58:56, simulation performed at 2025/10/03 08:52:22 using Sim4Life version 8.0.1.15737

1/1

FCC ID: A3LSMS948JPN		WPT RF EXPOSURE EVALUATION REPORT	Reviewed by: Technical Manager
Test Dates: 10/2/2025	Apparatus/Device: Portable Handset		APPENDIX A: Page 1 of 2

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Plot A-2 Worst Case Test Data

cDASY6 Module WPT Measurement Report

Device under test

Info:
A3LSMS948JPN

Serial number:
0907M

Scenario:
Ping Signal Backside

Tool info

DASY software version:
cDASY6 Module WPT 2.8.0.5184

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000210, 2025/06/13

Software version:
2.8.8, backend: 2.2.36

Scan info

Center location:
x: 17.69 mm, y: -112.55 mm, z: 25.36 mm

Dimensions:
x: 168.7 mm, y: 257.1 mm, z: 36.6 mm

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

Completed on:
2025/10/02 13:26:32

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 206.53 A/m
x: 32.95 A/m, y: 90.75 A/m, z: 182.57 A/m

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

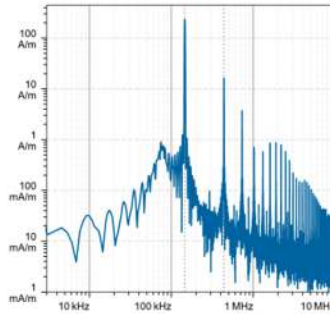
Maximum E-field [rms]:
MAGNITUDE: 33.09 V/m
x: 11.41 V/m, y: 5.37 V/m, z: 30.59 V/m

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

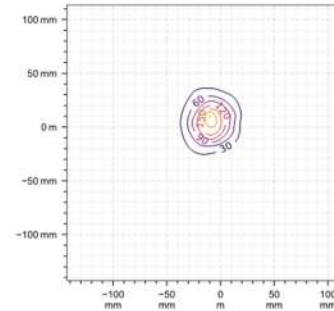
Distance to -20.0 dB boundary:
29.33 mm

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

H-field magnitude [rms] at center location



H-field magnitude [rms] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency (f = 145.42 kHz, $\sigma = 0.750$ S/m, tissue density = 1,000 kg/m³)

	Peak incident fields [rms]		Peak E _{ind} [V/m, rms]			Peak J _{ind} [A/m ² , rms]		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	444	33.1	1.78	1.84	1.82	1.09	1.13	0.509	32.2	4%	23%	14%	
2.00	383	31.1	1.51	1.56	1.55	0.912	0.794	0.359	32.5	4%	23%	10%	

Compliance evaluation (Field values at the peak frequency) (f=145.42 kHz, total field evaluation, coverage evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	PH _{inc}	PE _{inc}	BR [rms]	psSAR	PH _{inc}	PE _{inc}	PJ _{ind}	psSAR	PH _{inc}	PE _{inc}	PE _{ind}	psSAR	PH _{inc}	PE _{inc}	PE _{ind}	psSAR	PH _{inc}	PE _{inc}	PE _{ind}	psSAR
0.00	444	33.1	9.41	0.509	444	33.1	1.09	0.509	444	33.1	5.30	0.509	444	33.1	N/A	1.13	444	33.1	13.7	1.13
2.00	383	31.1	7.97	0.359	383	31.1	0.913	0.359	383	31.1	4.52	0.359	383	31.1	N/A	0.794	383	31.1	11.7	0.794

Coverage factors: $w_{E_{inc}, cube avg} = [5.28, 5.29]$, $w_{E_{inc}, total} = [7.46, 7.47]$, $w_{E_{ind}, line avg} = [2.91, 2.91]$

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

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	PH _{inc}	PE _{inc}	PE _{ind}	psSAR	PH _{inc}	PE _{inc}	PJ _{ind}	psSAR	PH _{inc}	PE _{inc}	PE _{ind}	psSAR	PH _{inc}	PE _{inc}	PE _{ind}	psSAR	PH _{inc}	PE _{inc}	PE _{ind}	psSAR
0.00	22.6	13.7	1.67	0.24	0.51	<0.01	92.5	2.22	4.03	<0.01	2.91	1.85	0.23	0.07	0.19	<0.01	274.0	0.42	N/A	<0.01
2.00	19.5	11.8	1.57	0.23	0.43	<0.01	79.7	2.09	3.37	<0.01	2.51	1.59	0.21	0.06	0.16	<0.01	236.0	0.39	N/A	<0.01

Coverage factors: $w_{E_{inc}, cube avg} = [5.28, 5.29]$, $w_{E_{inc}, total} = [7.46, 7.47]$, $w_{E_{ind}, line avg} = [2.91, 2.91]$

Document generated at 2025/10/02 13:30:33, simulation performed at 2025/10/02 13:29:51 using Sim4Life version 8.0.1.15737

1/1

FCC ID: A3LSMS948JPN		WPT RF EXPOSURE EVALUATION REPORT	Reviewed by: Technical Manager
Test Dates: 10/2/2025	Apparatus/Device: Portable Handset		APPENDIX A: Page 2 of 2

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.