

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

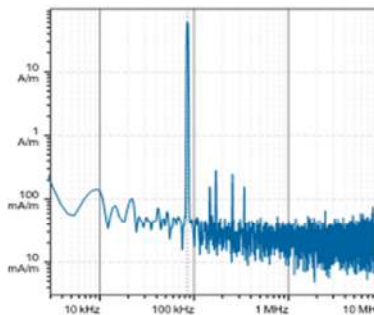
Maximum E-field [rms]:
MAGNITUDE: 192.92 V/m
x: 6.11 V/m, y: 9.77 V/m, z: 192.57 V/m

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

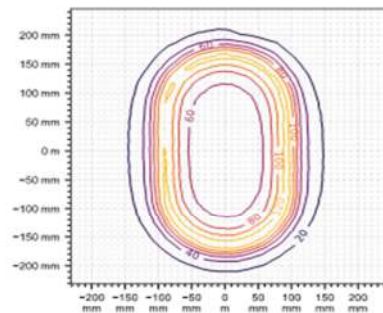
Distance to -20.0 dB boundary:
59.12 mm

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

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 [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]
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	0.67	N/A	0.67	N/A	2.0	3.07	N/A	N/A

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

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FCC ID: A3LSMS948U		WPT RF EXPOSURE EVALUATION REPORT	Reviewed by: Technical Manager
Test Dates: 9/11/2025 – 10/2/2025	Apparatus/Device: Portable Handset		APPENDIX A: Page 1 of 2

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Plot A-2 Worst Case Test Data

cDASY6 Module WPT Measurement Report

Device under test

Info:
A3LSMS948U

Serial number:
0693M

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: 9.63 mm, y: -106.83 mm, z: 24.90 mm

Dimensions:
x: 168.7 mm, y: 256.8 mm, z: 36.7 mm

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

Completed on:
2025/10/02 09:29:30

Measurement results

Maximum H-field [RMS]:

MAGNITUDE: 181.05 A/m

x: 22.90 A/m, y: 29.45 A/m, z: 177.16 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: 35.07 V/m

x: 9.40 V/m, y: 5.33 V/m, z: 33.36 V/m

Maximum E-field location relative to DUT:

x: 0.00 m, y: 14.67 mm, z: 0.00 m

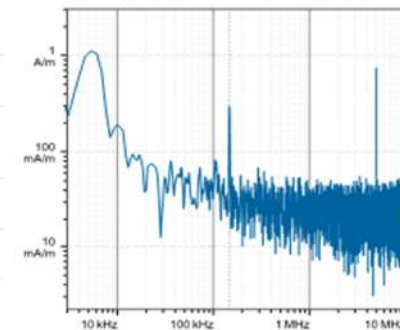
Distance to -20.0 dB boundary:

30.24 mm

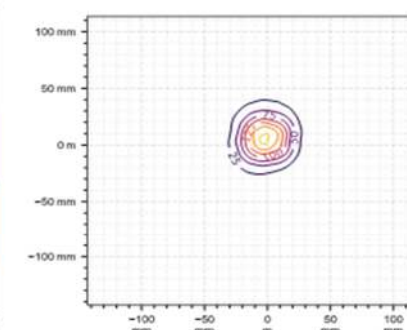
Offset relative to DUT:

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 = 145.21 kHz, a = 0.750 Sm, 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	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	425	35.1	1.74	1.81	1.78	1.07	1.08	0.493	32.3	2%	11%	12%
2.00	366	33.1	1.47	1.53	1.51	0.886	0.749	0.346	32.5	2%	11%	13%

Compliance evaluation (Field values at the peak frequency) (f = 145.21 kHz, total field evaluation, coverage evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	RL [rms]	BR [rms]	RL [rms]	BR [rms]	ERL [rms]	DRL [rms]	MPE [rms]	BR [rms]	RL [rms]	BR [rms]	RL [rms]	BR [rms]	ERL [rms]	DRL [rms]	MPE [rms]	BR [rms]	RL [rms]	BR [rms]	RL [rms]	BR [rms]
	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	425	35.1	9.22	0.493	425	35.1	1.08	0.493	425	35.1	5.19	0.493	425	35.1	N/A	1.08	425	35.1	13.5	1.08
2.00	366	33.1	7.76	0.346	366	33.1	0.887	0.346	366	33.1	4.40	0.346	366	33.1	N/A	0.749	366	33.1	11.4	0.749

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

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			
	RL	BR	RL	BR	ERL	DRL	MPE	BR	RL	BR	RL	BR	ERL	DRL	MPE	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	N/A	N/A	NS	TH	NS	TH
0.00	20.2	12.6	0.42	0.01	0.47	<0.01	84.9	0.40	3.7	<0.01	2.61	1.69	0.06	0.03	0.17	<0.01	261.0	0.06	N/A	<0.01
2.00	17.4	10.8	0.40	0.01	0.40	<0.01	73.2	0.38	3.05	<0.01	2.25	1.46	0.05	0.02	0.14	<0.01	225.0	0.05	N/A	<0.01

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

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FCC ID: A3LSMS948U		WPT RF EXPOSURE EVALUATION REPORT	Reviewed by: Technical Manager
Test Dates: 9/11/2025 – 10/2/2025	Apparatus/Device: Portable Handset		APPENDIX A: Page 2 of 2

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