

APPENDIX A: RF EXPOSURE TEST PLOTS

Plot A-1 Verification Test Data

cDASY6 Module WPT Measurement Report

Device under test	Tool info	Scan info
Info: 85kHz Verification	DASY software version: cDASY6 Module WPT 2.8.0.5184	Center location: x: -46.97 mm, y: -160.53 mm, z: 46.70 mm
Serial number: 1031	Probe model, serial no. and configuration date: MAGPy-8H3D+E3DV2, WP000261, 2024/08/14	Dimensions: x: 389.0 mm, y: 477.1 mm, z: 36.7 mm
Scenario: 85kHz Verification	Software version: 2.8.8, backend: 2.2.36	Resolution: x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
		Completed on: 2025/04/13 18:49:45

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 128.40 A/m
x: 111.32 A/m, y: 32.97 A/m, z: 54.84 A/m

Maximum H-field location relative to DUT:
x: 84.33 mm, y: 99.00 mm, z: 8.50 mm

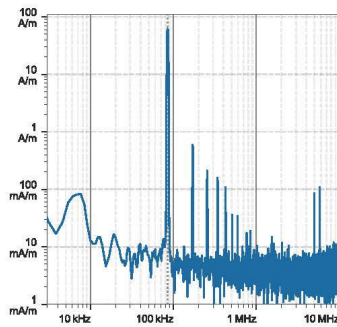
Maximum E-field [rms]:
MAGNITUDE: 119.92 V/m
x: 7.75 V/m, y: 11.80 V/m, z: 119.09 V/m

Maximum E-field location relative to DUT:
x: 14.67 mm, y: -168.67 mm, z: 0.00 mm

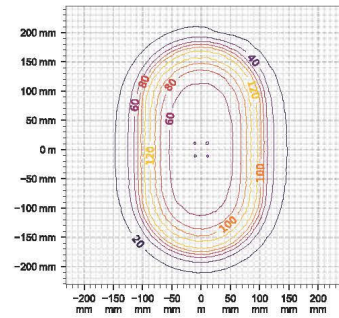
Distance to -20.0 dB boundary:
67.61 mm

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, $\sigma = 0.750 \text{ S/m}$, tissue density = $1,000 \text{ kg/m}^3$)

Distance [mm]	Peak incident fields [rms]		Peak E_{ind} [V/m] _{rms}			Peak J_{ind} [A/m ²] _{rms}	psSAR [mW/kg]		H-field extent -20 dB radius [mm]	Sign	Vector potential	Warnings Boundary effect
	H_{inc} [A/m]	E_{inc} [V/m]	Cube avg.	Local	Line avg.		1g avg.	10g avg.				
0.00	200	120	3.32	3.35	3.36	2.33	6.40	4.75	182	1%	97%	36%
2.00	182	109	3.12	3.15	3.16	2.20	5.72	4.31	185	1%	97%	38%

Compliance evaluation (Field values at the peak frequency) (f = 85.00 kHz, total field 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]	ERL [rms]	DRL [rms]	MPE [rms]	BR [rms]	RL [rms]	BR [rms]	ERL [rms]	DRL [rms]	MPE [rms]	BR [rms]
0.00	200	120	3.32	4.75	200	120	2.33	4.75	200	120	3.36	4.75	200	120	N/A	6.40	200	120	3.35	6.40
2.00	182	109	3.13	4.31	182	109	2.20	4.31	182	109	3.16	4.31	182	109	N/A	5.72	182	109	3.16	5.72

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

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	RL	BR	RL	BR	ERL	DRL	MPE	BR	RL	BR	ERL	DRL	MPE	BR	RL	BR	ERL	DRL	MPE	BR
0.00	9.52	N/A	3.82	N/A	0.29	N/A	40.0	3.32	13.8	N/A	1.23	N/A	0.52	N/A	0.19	N/A	2.22	2.27	N/A	N/A
2.00	8.66	N/A	3.49	N/A	0.27	N/A	36.4	3.03	13.0	N/A	1.12	N/A	0.47	N/A	0.18	N/A	2.02	2.07	N/A	N/A

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FCC ID: 2A6WXCWREN30A		NERVE STIMULATION EVALUATION REPORT	Reviewed by: Technical Manager
Test Dates: 4/7/2025 – 4/17/2025	Apparatus/Device: Wireless Charger		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:
WCREN30A

Serial number:
MD03

Scenario:
Ping Signal Front Side

Tool info

DASY software version:
cDASY6 Module WPT 2.8.0.5184

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000261, 2024/08/14

Software version:
2.8.8, backend: 2.2.36

Scan info

Center location:
x: 59.39 mm, y: -146.00 mm, z: 77.39 mm

Dimensions:
x: 124.7 mm, y: 125.0 mm, z: 37.1 mm

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

Completed on:
2025/04/14 22:57:04

Measurement results

Maximum H-field [RMS]:

MAGNITUDE: 64.88 A/m

x: 17.23 A/m, y: 17.31 A/m, z: 60.11 A/m

Maximum H-field location relative to DUT:

x: -3.63 mm, y: -3.63 mm, z: 8.50 mm

Maximum E-field [RMS]:

MAGNITUDE: 74.59 V/m

x: 316.30 mV/m, y: 190.06 mV/m, z: 74.59 V/m

Maximum E-field location relative to DUT:

x: 33.33 μ m, y: 33.33 μ m, z: 0.00 m

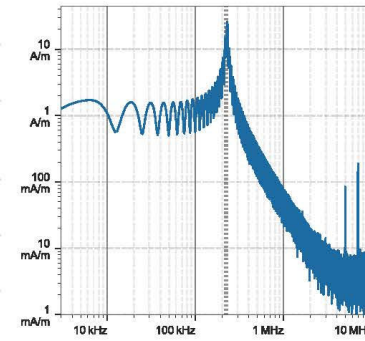
Distance to -20.0 dB boundary:

26.44 mm

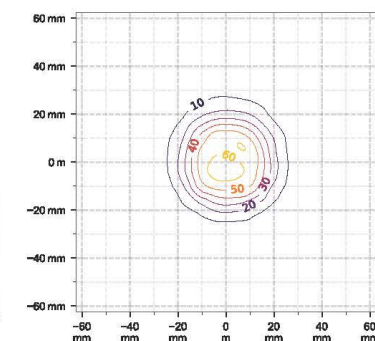
Offset relative to DUT:

x: 36.70 mm, y: 36.70 mm, 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 = 225.11 kHz, $\sigma = 0.750$ S/m, tissue density = 1,000 kg/m³)

Distance [mm]	Peak incident fields [RMS]		Peak E [V/m, RMS]			Peak J _{ind} [A/m ² , RMS]	psSAR [mW/kg]		H-field extent	Sign	Vector potential	Warnings
	H _{inc} [A/m]	E _{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius [mm]			Boundary effect
0.00	155	74.6	0.964	0.997	0.996	0.572	0.297	0.117	29.4	4%	11%	8%
2.00	132	73.0	0.789	0.819	0.82	0.458	0.190	0.0752	29.5	4%	11%	9%

Compliance evaluation (Field values at the peak frequency) (f = 225.11 kHz, total field 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]	RL [RMS]	BR [RMS]	RL [RMS]	BR [RMS]	RL [RMS]	BR [RMS]	RL [RMS]	BR [RMS]
Distance [mm]	pH _{inc} [A/m]	pE _{inc} [V/m]	pE _{ind} [V/m]	psSAR [mW/kg]	pH _{inc} [A/m]	pE _{inc} [V/m]	pJ _{ind} [A/m ²]	psSAR [mW/kg]	pH _{inc} [A/m]	pE _{inc} [V/m]	pE _{ind} [V/m]	psSAR [mW/kg]	pH _{inc} [A/m]	pE _{inc} [V/m]	pE _{ind} [V/m]	psSAR [mW/kg]	pH _{inc} [A/m]	pE _{inc} [V/m]	pE _{ind} [V/m]	psSAR [mW/kg]
0.00	155	74.6	0.969	0.117	155	74.6	0.576	0.117	155	74.6	1.00	0.117	155	74.6	N/A	0.297	155	74.6	1.00	0.297
2.00	132	73.0	0.793	0.0752	132	73.0	0.461	0.0752	132	73.0	0.824	0.0752	132	73.0	N/A	0.190	132	73.0	0.824	0.190

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field 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	RL	BR	RL	BR	RL	BR	RL	BR
Distance [mm]	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	NS	TH	NS	TH	NS	TH	N/A	N/A	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH
2.00	15.3	14.5	2.73	0.31	0.07	<0.01	97.0	3.86	2.66	<0.01	1.97	1.95	0.37	0.12	0.04	<0.01	204.0	0.83	N/A	<0.01
2.00	13.0	12.3	2.67	0.30	0.05	<0.01	82.7	3.78	2.13	<0.01	1.68	1.66	0.36	0.12	0.04	<0.01	174.0	0.82	N/A	<0.01

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