

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:
1031

Scenario:
85kHz Verification

Tool info

DASY software version:
cDASY6 Module WPT 2.8.0.5184

Probe model, serial no. and configuration date:
MAGPy-0H3D+E3Dv2, WP000261, 2024/08/14

Software version:
2.8.8, backend: 2.2.36

Scan info

Center location:
x: -7.08 mm, y: -125.20 mm, z: 50.22 mm

Dimensions:
x: 433.0 mm, y: 520.0 mm, z: 36.7 mm

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

Completed on:
2025/03/18 13:32:20

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 127.21 A/m
x: 105.22 A/m, y: 31.03 A/m, z: 64.41 A/m

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

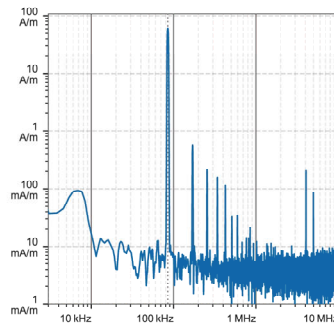
Maximum E-field [RMS]:
MAGNITUDE: 127.51 V/m
x: 6.63 V/m, y: 5.61 V/m, z: 127.21 V/m

Maximum E-field location relative to DUT:
x: 14.67 mm, y: -176.00 mm, z: 0.00 mm

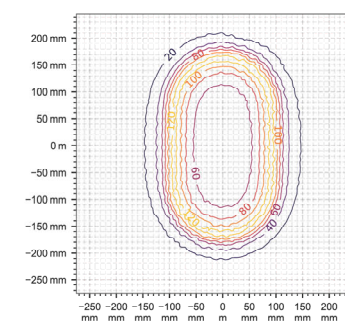
Distance to -20.0 dB boundary:
66.41 mm

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, $\sigma = 0.750$ S/m, tissue density = 1,000 kg/m³)

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		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	205	128	3.29	3.33	3.34	2.31	6.28	4.67	181	2%	108%	32%	
2.00	185	117	3.10	3.13	3.14	2.18	5.62	4.23	184	2%	108%	33%	

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]	RL [RMS]	BR [RMS]	RL [RMS]	BR [RMS]	RL [RMS]	BR [RMS]	RL [RMS]	BR [RMS]	RL [RMS]	BR [RMS]
	P _{Hinc}	P _{Einc}	P _{Eind}	psSAR	P _{Hinc}	P _{Einc}	P _{Jind}	psSAR	P _{Hinc}	P _{Einc}	P _{Eind}	psSAR	P _{Hinc}	P _{Einc}	P _{Eind}	psSAR	P _{Hinc}	P _{Einc}	P _{Eind}	psSAR
	[A/m]	[V/m]	[V/m]	[mW/kg]	[A/m]	[V/m]	[A/m ²]	[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	205	128	3.30	4.67	205	128	2.32	4.67	205	128	3.34	4.67	205	128	N/A	6.28	205	128	3.33	6.28
2.00	185	117	3.10	4.23	185	117	2.18	4.23	185	117	3.14	4.23	185	117	N/A	5.62	185	117	3.14	5.62

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
	P _{Hinc}	P _{Einc}	P _{Eind}	psSAR	P _{Hinc}	P _{Einc}	P _{Jind}	psSAR	P _{Hinc}	P _{Einc}	P _{Eind}	psSAR	P _{Hinc}	P _{Einc}	P _{Eind}	psSAR	P _{Hinc}	P _{Einc}	P _{Eind}	psSAR
	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH
0.00	9.74	N/A	3.78	N/A	0.29	N/A	40.9	3.22	13.6	N/A	1.26	N/A	0.51	N/A	0.19	N/A	2.27	2.33	N/A	N/A
2.00	8.79	N/A	3.47	N/A	0.27	N/A	36.9	2.95	12.9	N/A	1.13	N/A	0.47	N/A	0.18	N/A	2.05	2.14	N/A	N/A

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FCC ID: 2A6WXCNIS31SS		WPT RF EXPOSURE EVALUATION REPORT	Reviewed by: Technical Manager
Test Dates: 3/18/2025 – 3/28/2025	Apparatus/Device: Wireless Charger		APPENDIX A: Page 1 of 3

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Plot A-2 Worst Case Test Data

cDASY6 Module WPT Measurement Report

Device under test

Info:
2A6WXWCNIS31S

Serial number:
Sample 1

Scenario:
Standby (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: 17.69 mm, y: -144.66 mm, z: 78.92 mm

Dimensions:
x: 124.7 mm, y: 125.0 mm, z: 36.6 mm

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

Completed on:
2025/03/19 12:04:44

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 101.75 A/m
x: 13.98 A/m, y: 15.52 A/m, z: 99.58 A/m

Maximum H-field location relative to DUT:
x: -3.63 mm, y: -3.63 mm, z: 8.50 mm

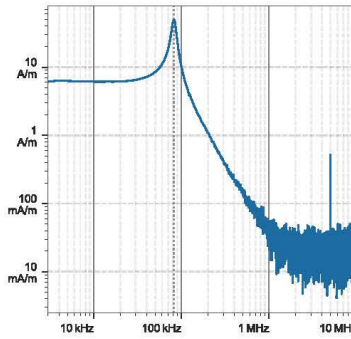
Maximum E-field [rms]:
MAGNITUDE: 49.91 V/m
x: 2.39 V/m, y: 60.72 mV/m, z: 49.85 V/m

Maximum E-field location relative to DUT:
x: 7.37 mm, y: 33.33 μ m, z: 0.00 m

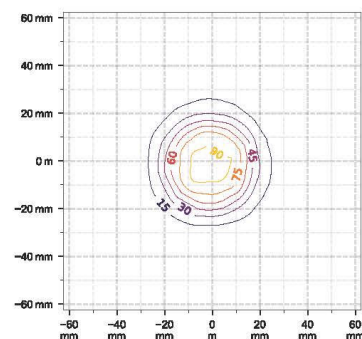
Distance to -20.0 dB boundary:
26.44 mm

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 $(f = 81.81 \text{ kHz}, \sigma = 0.750 \text{ S/m}, \text{tissue density} = 1,000 \text{ kg/m}^3)$

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.	Surface avg.		1g avg.	10g avg.				
0.00	230	49.9	0.529	0.550	0.545	0.310		0.0869	0.0355	29.9	3%	11%	8%
2.00	199	44.2	0.433	0.451	0.451	0.248		0.0556	0.0229	29.8	3%	11%	9%

Compliance evaluation (Field values at the peak frequency) $(f = 81.81 \text{ kHz}, \text{total field evaluation})$

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	H_{inc}	E_{inc}	E_{ind}	psSAR	H_{inc}	E_{inc}	J_{ind}	psSAR	H_{inc}	E_{inc}	E_{ind}	psSAR	H_{inc}	E_{inc}	E_{ind}	psSAR	H_{inc}	E_{inc}	E_{ind}	psSAR
0.00	230	49.9	0.530	0.0355	230	49.9	0.311	0.0355	230	49.9	0.546	0.0355	230	49.9	N/A	0.0869	230	49.9	0.551	0.0869
2.00	199	44.2	0.434	0.0229	199	44.2	0.248	0.0229	199	44.2	0.452	0.0229	199	44.2	N/A	0.0556	199	44.2	0.452	0.0556

Compliance evaluation (Exposure ratios) $(\text{with multi-frequency enhancement, total field evaluation})$

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	H_{inc}	E_{inc}	E_{ind}	psSAR	H_{inc}	E_{inc}	J_{ind}	psSAR	H_{inc}	E_{inc}	E_{ind}	psSAR	H_{inc}	E_{inc}	E_{ind}	psSAR	H_{inc}	E_{inc}	E_{ind}	psSAR
0.00	10.9	N/A	16.6	N/A	0.05	N/A	46.0	26.9	2.04	N/A	1.41	N/A	2.24	N/A	0.03	N/A	2.55	5.55	N/A	N/A
2.00	9.48	N/A	14.7	N/A	0.04	N/A	39.8	23.9	1.64	N/A	1.22	N/A	1.99	N/A	0.03	N/A	2.21	4.91	N/A	N/A

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FCC ID: 2A6WXWCNIS31SS		WPT RF EXPOSURE EVALUATION REPORT	Reviewed by: Technical Manager
Test Dates: 3/18/2025 – 3/28/2025	Apparatus/Device: Wireless Charger		APPENDIX A: Page 2 of 3

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Plot A-2 Worst Case Test Data at 15cm

cDASY6 Module WPT Measurement Report

Device under test

Info:
2A6WXCNIS31S

Serial number:
Sample 1

Scenario:
Standby (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: 13.05 mm, y: -143.37 mm, z: 228.57 mm

Dimensions:
x: 124.6 mm, y: 124.0 mm, z: 37.0 mm

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

Completed on:
2025/03/20 15:53:45

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 183.05 mA/m
x: 130.38 mA/m, y: 45.15 mA/m, z: 120.29 mA/m

Maximum H-field location relative to DUT:
x: -3.63 mm, y: 40.37 mm, z: 195.17 mm

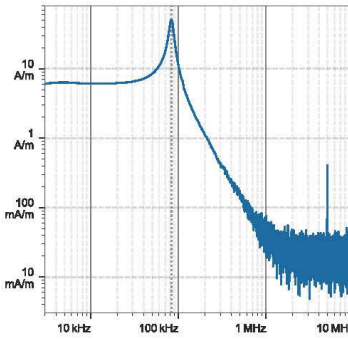
Maximum E-field [RMS]:
MAGNITUDE: 294.16 mV/m
x: 50.48 mV/m, y: 169.22 mV/m, z: 235.26 mV/m

Maximum E-field location relative to DUT:
x: -43.97 mm, y: 7.37 mm, z: 0.00 m

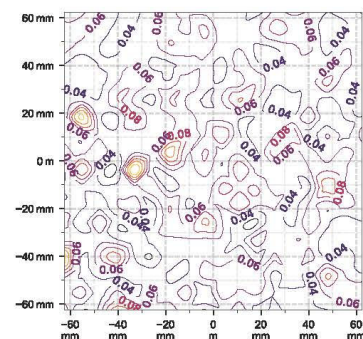
Distance to -20.0 dB boundary:
NaN

Offset relative to DUT:
x: 36.70 mm, y: 36.70 mm, z: 151.00 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 = 82.88 kHz, $\sigma = 0.750$ S/m, tissue density = 1,000 kg/m³)

Distance [mm]	Peak incident fields [<i>RMS</i>]		Peak <i>E</i> _{ind} [V/m, <i>RMS</i>]			Peak <i>J</i> _{ind} [A/m ² , <i>RMS</i>]	psSAR [mW/kg]		H-field extent	Sign	Vector potential	Warnings Boundary effect
	<i>H</i> _{inc} [A/m]	<i>E</i> _{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius [mm]			
150	0.332	0.294	1.44e-3	1.48e-3	1.48e-3	9.49e-4	9.91e-7	6.46e-7	68.0	73%	217%	100%
152	0.245	0.278	1.32e-3	1.35e-3	1.35e-3	8.89e-4	8.95e-7	6.03e-7	69.5	73%	217%	100%

Compliance evaluation (Field values at the peak frequency) (f = 82.88 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]
	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/m ²]	[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]
150	0.332	0.294	1.45e-3	6.46e-7	0.332	0.294	9.54e-4	6.46e-7	0.332	0.294	1.49e-3	6.46e-7	0.332	0.294	N/A	9.91e-7	0.332	0.294	1.49e-3	9.91e-7
152	0.245	0.278	1.33e-3	6.03e-7	0.245	0.278	8.94e-4	6.03e-7	0.245	0.278	1.35e-3	6.03e-7	0.245	0.278	N/A	8.95e-7	0.245	0.278	1.36e-3	8.95e-7

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
	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	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH
150	0.02	N/A	0.16	N/A	<0.01	N/A	0.07	0.24	<0.01	N/A	<0.01	N/A	0.02	N/A	<0.01	N/A	<0.01	0.05	N/A	N/A
152	0.01	N/A	0.15	N/A	<0.01	N/A	0.05	0.22	<0.01	N/A	<0.01	N/A	0.02	N/A	<0.01	N/A	<0.01	0.05	N/A	N/A

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FCC ID: 2A6WXCNIS31SS		WPT RF EXPOSURE EVALUATION REPORT	Reviewed by: Technical Manager
Test Dates: 3/18/2025 – 3/28/2025	Apparatus/Device: Wireless Charger		APPENDIX A: Page 3 of 3

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