

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: -7.08 mm, y: -125.20 mm, z: 50.22 mm
Serial number: 1031	Probe model, serial no. and configuration date: MAGPy-8H3D+E3Dv2, WP000261, 2024/08/14	Dimensions: x: 433.0 mm, y: 520.0 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: 2025/03/18 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: 84.41 A/m

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

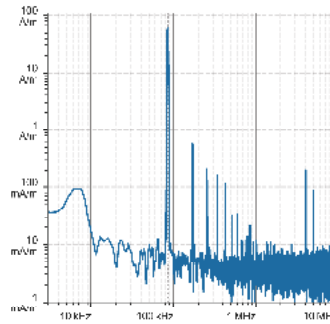
Maximum E-field [rms]:
MAGNITUDE: 127.51 V/m
x: 6.83 V/m, y: 5.61 V/m, z: 127.21 V/m

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

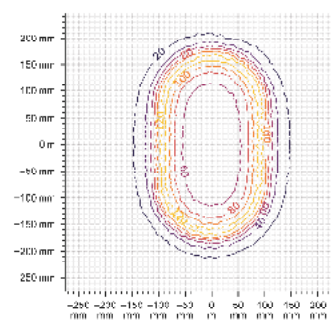
Distance to -20.0 dB boundary:
66.41 mm

Offset relative to DUT:
x: 0.00 mm, y: 0.00 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 = 85.00 kHz, ρ = 0.04 N/A, tissue density = 1,000 kg/m³)

Distance [mm]	Peak incident fields [avg]		Peak E _{inc} [V/m, avg]			Peak J _{ind} [A/m², avg]	psSAR [mW/kg]		H-field ext ₁	Warnings		
	H _{inc} [A/m]	E _{inc} [V/m]	Cubic avg.	Local	Linear avg.	Surface avg	1g avg.	10g avg.	-20 dB radius [mm]	Sign	Vector potential	Boundary offset
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) (ρ = 85.00 MHz, total field evaluation)


Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 8			
	RL [μA]		BR [μA]		RL [μA]		BR [μA]		ERL [μA]		DRL [μA]		MPE [μA]		BR [μA]		RL [μA]		BR [μA]	
	ρ _{Hinc}	ρ _{Einc}	ρ _{Einc}	psSAR	ρ _{Hinc}	ρ _{Einc}	ρ _{Jind}	psSAR	ρ _{Hinc}	ρ _{Einc}	ρ _{Eind}	psSAR	ρ _{Hinc}	ρ _{Einc}	ρ _{Eind}	psSAR	ρ _{Hinc}	ρ _{Einc}	ρ _{Eind}	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	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) (ρ = 85.00 MHz, frequency enhancement, total field evaluation)

Distance [mm]	ICNIRP 2010/2020						ICNIRP 1998						IEEE 2019						FCC						HC Code 8					
	RL				BR		RL			BR			ERL			DRL			MPE			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	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	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	1.28	N/A	0.51	N/A	0.19	N/A	2.27	2.33	N/A	N/A	N/A	N/A	2.27	N/A	3.78	N/A	0.29	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	N/A	N/A	2.05	N/A	3.47	N/A	0.27	N/A		

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FCC ID: 2A6WXCWIS31SS		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:
28559-WCNIS31SS

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: 803.37 mm, y: 22.77 mm, z: 299.59 mm

Dimensions:
x: 169.0 mm, y: 168.6 mm, z: 37.0 mm

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

Completed on:
2025/03/20 14:18:09

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 113.59 A/m
x: 3.87 A/m, y: 1.22 A/m, z: 113.52 A/m

Maximum H-field location relative to DUT:
x: -25.67 mm, y: 11.00 mm, z: 8.50 mm

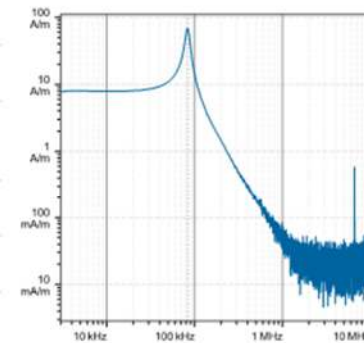
Maximum E-field [RMS]:
MAGNITUDE: 40.79 V/m
x: 1.40 V/m, y: 798.83 mV/m, z: 40.76 V/m

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

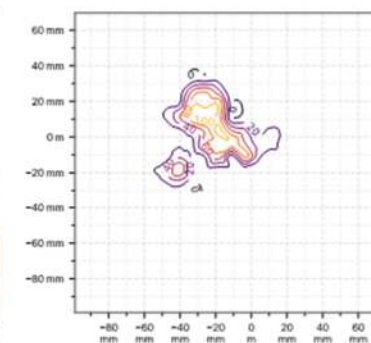
Distance to -20.0 dB boundary:
14.67 mm

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 = 82.84 kHz, $\sigma = 0.750$ S/m, tissue density = 1,000 kg/m³)

	Peak incident fields [μV]		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	223	40.8	0.472	0.494	0.496	0.279	0.0741	0.0287	30.1	5%	50%	20%
2.00	194	36.6	0.399	0.414	0.408	0.237	0.0517	0.0206	30.0	5%	50%	16%

Compliance evaluation (Field values at the peak frequency) (f = 82.84 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]	
	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	223	40.8	0.473	0.0287	223	40.8	0.28	0.0287	223	40.8	0.497	0.0287	223	40.8	N/A	0.0741	223	40.8	0.495	0.0741
2.00	194	36.6	0.400	0.0206	194	36.6	0.237	0.0206	194	36.6	0.409	0.0206	194	36.6	N/A	0.0517	194	36.6	0.415	0.0517

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	
	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	10.6	N/A	1.38	N/A	0.04	N/A	44.6	1.72	1.7	N/A	1.37	N/A	0.19	N/A	0.03	N/A	2.48	0.69	N/A	N/A
2.00	9.25	N/A	1.24	N/A	0.04	N/A	38.9	1.55	1.44	N/A	1.19	N/A	0.17	N/A	0.02	N/A	2.16	0.62	N/A	N/A

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FCC ID: 2A6WXCWNIS31SS		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:
2A6WXCNIS31SS

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

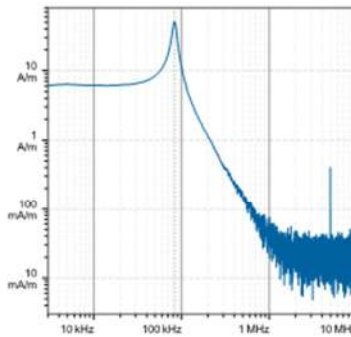
Maximum E-field [RMS]:
MAGNITUDE: 294.16 mV/m
x: 50.48 mV/m, y: 169.22 mV/m, z: 235.26 mV/m

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

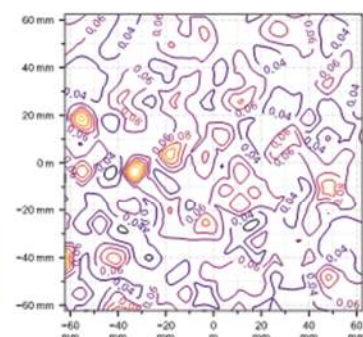
Distance to -20.0 dB boundary:
NaN

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 [rms]		Peak E _{ind} [V/m, rms]			Peak J _{ind} [A/m ² , 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]			
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]	RL [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]	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	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	N/A	N/A	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	0.02	N/A	<0.01	N/A	0.02	N/A	<0.01	N/A	0.16	N/A
152	0.01	N/A	0.15	N/A	<0.01	N/A	0.05	0.22	<0.01	N/A	0.02	N/A	<0.01	N/A	0.02	N/A	<0.01	N/A	0.15	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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