

Appendix C: System Check Plots

RF SAFETY LABORATORY

DASY8 Module WPT Measurement Report

Device under test

Info:
85 kHz System Verification

Serial number:
1025

Scenario:
not set

Tool info

DASY software version:
DASY8 Module WPT 3.4.0.6944

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000267, 2025/10/03

Software version:
3.4.0, backend: 3.2.21

Hardware version:
FPGA: 100, FW: N/A

Scan info

Center location:
x: -7.91 mm, y: 22.07 mm, z: 35.88 mm

Dimensions:
x: 389.0 mm, y: 477.0 mm, z: 36.6 mm

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

Completed on:
2026/04/13

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 128.20 A/m
x: 104.12 A/m, y: 55.14 A/m, z: 50.55 A/m

Maximum H-field location relative to DUT:
x: -77.00 mm, y: 113.67 mm, z: 8.50 mm

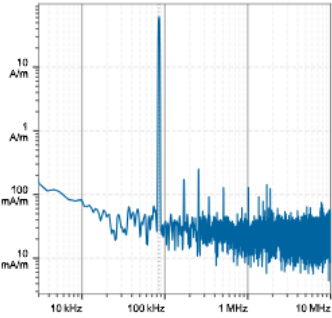
Maximum E-field [rms]:
MAGNITUDE: 161.32 V/m
x: 14.20 V/m, y: 6.11 V/m, z: 160.58 V/m

Maximum E-field location relative to DUT:
x: 88.00 mm, y: 146.67 mm, z: 0.00 m

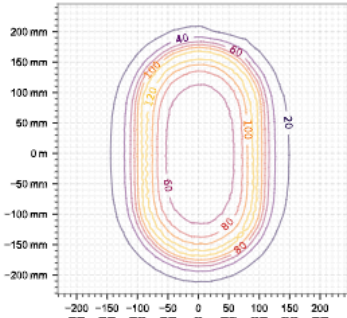
Distance to -20.0 dB boundary:
65.59 mm

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 homoeous 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 [μW]		Peak E _{ind} [V/m, μW]			Peak J _{ind} [A/m ² , μW]	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	200	161	3.25	3.28	3.29	2.29	6.14	4.58	182	1%	73%	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 [μW/m²]	BR [μW/m²]	RL [μW/m²]	BR [μW/m²]	RL [μW/m²]	BR [μW/m²]	RL [μW/m²]	BR [μW/m²]	RL [μW/m²]	BR [μW/m²]	RL [μW/m²]	BR [μW/m²]	RL [μW/m²]	BR [μW/m²]	RL [μW/m²]	BR [μW/m²]	RL [μW/m²]	BR [μW/m²]	RL [μW/m²]	BR [μW/m²]
0.00	200	161	24.5	4.58	200	161	2.29	4.58	200	161	12.7	4.58	200	161	N/A	6.14	200	161	34.9	6.14

Coverage factors: $w_{E_{ind}, cube avg} = [7.53]$, $w_{E_{ind}, total} = [10.63]$, $w_{E_{ind}, line avg} = [3.87]$

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

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
0.00	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH
0.00	19.6	N/A	5.77	N/A	6.58	N/A	32.0	5.36	22.6	N/A	1.78	N/A	-11.6	N/A	-2.9	N/A	6.94	N/A	5.77	N/A

Coverage factors: $w_{E_{ind}, cube avg} = [7.53]$, $w_{E_{ind}, total} = [10.63]$, $w_{E_{ind}, line avg} = [3.87]$

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Software version:
3.4.0, backend: 3.2.21

Hardware version:
FPGA: 100, FW: N/A

Scan info

Center location:
x: -1.41 mm, y: 68.59 mm, z: 36.33 mm

Dimensions:
x: 388.0 mm, y: 476.0 mm, z: 36.7 mm

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

Completed on:
2026/04/28

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 128.71 A/m
x: 55.36 A/m, y: 93.34 A/m, z: 69.20 A/m

Maximum H-field location relative to DUT:
x: 47.67 mm, y: 150.33 mm, z: 8.50 mm

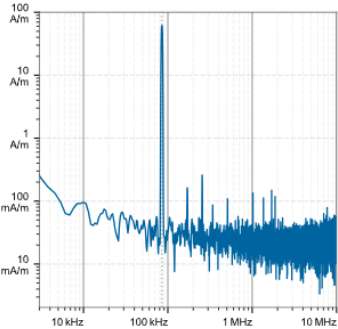
Maximum E-field [RMS]:
MAGNITUDE: 169.02 V/m
x: 13.26 V/m, y: 4.99 V/m, z: 168.42 V/m

Maximum E-field location relative to DUT:
x: 95.33 mm, y: 146.67 mm, z: 0.00 mm

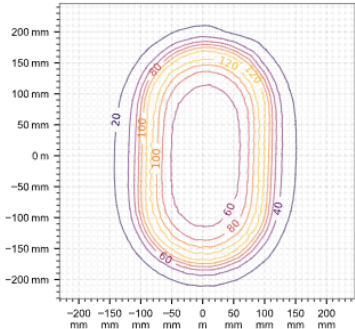
Distance to -20.0 dB boundary:
53.39 mm

Offset relative to DUT:
x: 0.00 mm, 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	199	169	3.24	3.27	3.28	2.28	6.12	4.56	182	1%	68%	37%	

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 [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/m²]	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	199	169	24.4	4.56	199	169	2.28	4.56	199	169	12.7	4.56	199	169	N/A	6.12	199	169	34.8	6.12

Coverage factors: w_{E_{ind}, cube avg.} = [7.53], w_{E_{ind}, local} = [10.64], w_{E_{ind}, line avg.} = [3.87]

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

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	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH
0.00	19.6	N/A	16.9	N/A	6.56	N/A	32.0	16.4	22.6	N/A	1.75	N/A	-0.53	N/A	-2.93	N/A	6.91	11.3	N/A	N/A

Coverage factors: w_{E_{ind}, cube avg.} = [7.53], w_{E_{ind}, local} = [10.64], w_{E_{ind}, line avg.} = [3.87]