

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: 9.32 mm, y: -37.86 mm, z: 35.43 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:
2026/07/12

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 129.41 A/m
x: 118.49 A/m, y: 23.79 A/m, z: 46.27 A/m

Maximum H-field location relative to DUT:
x: 91.67 mm, y: -91.67 mm, z: 8.50 mm

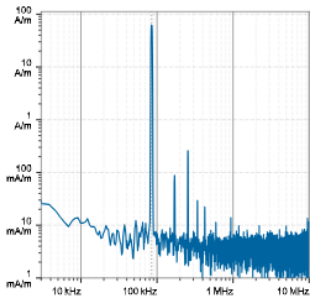
Maximum E-field [rms]:
MAGNITUDE: 172.83 V/m
x: 13.00 V/m, y: 6.49 V/m, z: 172.22 V/m

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

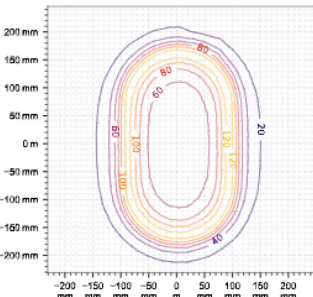
Distance to -20.0 dB boundary:
67.61 mm

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, σ = 0.750 S/m, tissue density = 1,000 kg/m³)

Distance [mm]	Peak incident fields [μs]		Peak E _{ind} [V/m, μs]			Peak J _{ind} [A/m², μs]		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	201	173	3.28	3.31	3.32	2.31	6.28	4.69	182	1%	66%	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			
	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	201	173	24.7	4.69	201	173	2.31	4.69	201	173	12.9	4.69	201	173	N/A	6.28	201	173	35.3	6.28

Coverage factors: $w_{E_{ind, cube avg}} = [7.54]$, $w_{E_{ind, local}} = [10.64]$, $w_{E_{ind, line avg}} = [3.87]$

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			
	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	19.6	N/A	16.8	N/A	6.68	N/A	32.1	17.6	22.7	N/A	1.82	N/A	-0.60	N/A	-2.81	N/A	6.98	11.2	N/A	N/A

Coverage factors: $w_{E_{ind, cube avg}} = [7.54]$, $w_{E_{ind, local}} = [10.64]$, $w_{E_{ind, line avg}} = [3.87]$

Device under test

Info:
400 kHz System Verification

Serial number:
1020

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: 37.53 mm, y: -2.09 mm, z: 35.11 mm

Dimensions:
x: 124.7 mm, y: 124.6 mm, z: 36.7 mm

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

Completed on:
2026/07/12

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 134.24 A/m
x: 16.54 A/m, y: 25.01 A/m, z: 130.85 A/m

Maximum H-field location relative to DUT:
x: -3.63 mm, y: 3.70 mm, z: 8.50 mm

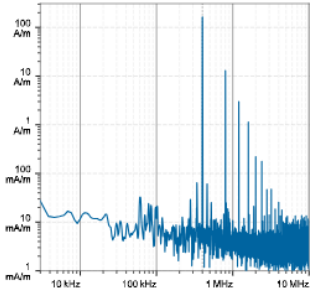
Maximum E-field [rms]:
MAGNITUDE: 42.43 V/m
x: 21.40 V/m, y: 10.42 V/m, z: 35.12 V/m

Maximum E-field location relative to DUT:
x: 33.33 μm, y: -36.63 mm, z: 0.00 m

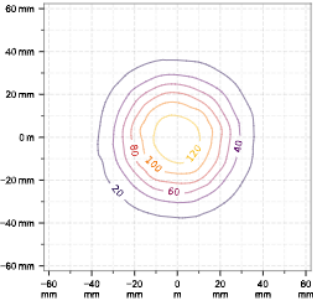
Distance to -20.0 dB boundary:
39.49 mm

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 homoeous phantom at the peak frequency (f=400.00 kHz, σ=0.750 S/m, tissue density=1,000 kg/m³)

Distance [mm]	Peak incident fields [μV]				Peak E _{ind} [V/m, μV]			Peak J _{ind} [A/m², μV]		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	256	42.4	4.20	4.30	4.31	2.67	7.03	3.51				39.6	2%	10%	19%

Compliance evaluation (Field values at the peak frequency) (f=400.00 kHz, total field evaluation, coverage evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	RL [μV]	BR [μV]	psSAR		RL [μV]	BR [μV]	psSAR		RL [μV]	BR [μV]	psSAR		RL [μV]	BR [μV]	psSAR		RL [μV]	BR [μV]	psSAR	
0.00	256	42.4	22.7	3.51	256	42.4	2.68	3.51	256	42.4	12.8	3.51	256	42.4	N/A	7.03	256	42.4	32.8	7.03

Coverage factors: w_{E_{ind}, cube avg.} = [5.39], w_{E_{ind}, local} = [7.62], w_{E_{ind}, line avg.} = [2.95]

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 [μV]	BR [μV]	psSAR		RL [μV]	BR [μV]	psSAR		RL [μV]	BR [μV]	psSAR		RL [μV]	BR [μV]	psSAR		RL [μV]	BR [μV]	psSAR	
0.00	21.7	26.4	40.0	29.6	-7.2	-27.5	42.9	45.4	12.5	-27.5	3.91	8.97	22.6	35.2	-15.7	-27.5	43.9	39.0	N/A	-23.6

Coverage factors: w_{E_{ind}, cube avg.} = [5.39], w_{E_{ind}, local} = [7.62], w_{E_{ind}, line avg.} = [2.95]