

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: -8.19 mm, y: -2.24 mm, z: 71.89 mm

Dimensions:
x: 388.0 mm, y: 476.0 mm, z: 36.6 mm

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

Completed on:
2026/05/08

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 130.07 A/m
x: 110.82 A/m, y: 35.31 A/m, z: 58.22 A/m

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

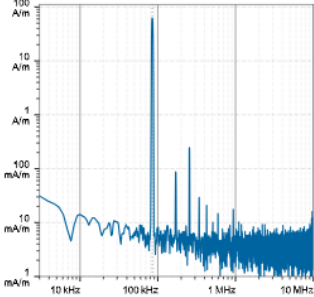
Maximum E-field [rms]:
MAGNITUDE: 143.95 V/m
x: 13.45 V/m, y: 6.51 V/m, z: 143.17 V/m

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

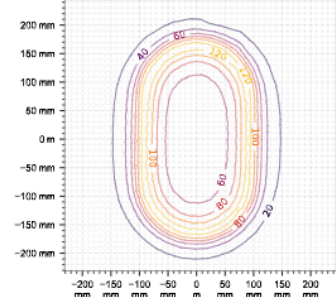
Distance to -20.0 dB boundary:
67.61 mm

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

	Peak incident fields [μs]		Peak E _{ind} [V/m, μs]			Peak J _{ind} [A/m ² , μs]	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	203	144	3.30	3.33	3.34	2.33	6.39	4.76	182	1%	81%	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 [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]
0.00	203	144	24.9	4.76	203	144	2.33	4.76	203	144	12.9	4.76	203	144	N/A	6.39	203	144	35.4	6.39

Coverage factors: W_{E_{ind}, local} = [7.53], W_{E_{ind}, total} = [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 [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]
0.00	19.7	N/A	15.4	N/A	6.72	N/A	32.2	16.6	22.8	N/A	1.89	N/A	-1.97	N/A	-2.77	N/A	7.05	10.3	N/A	N/A

Coverage factors: W_{E_{ind}, cube avg} = [7.53], W_{E_{ind}, total} = [10.64], W_{E_{ind}, line avg} = [3.87]

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: -9.61 mm, y: -1.06 mm, z: 71.19 mm

Dimensions:
x: 389.0 mm, y: 477.0 mm, z: 36.3 mm

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

Completed on:
2026/05/14

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 128.87 A/m
x: 110.44 A/m, y: 33.50 A/m, z: 57.34 A/m

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

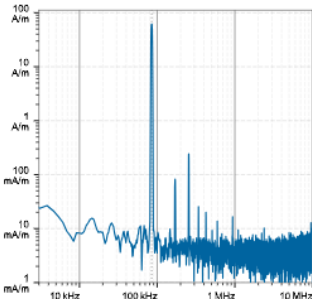
Maximum E-field [rms]:
MAGNITUDE: 151.03 V/m
x: 13.12 V/m, y: 6.84 V/m, z: 150.30 V/m

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

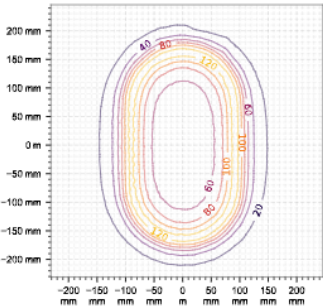
Distance to -20.0 dB boundary:
67.61 mm

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

	Peak incident fields [μV]		Peak E _{ind} [V/m, μV]			Peak J _{ind} [A/m ² , μV]	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	199	151	3.28	3.31	3.32	2.31	6.31	4.71	183	2%	76%	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 [μV]		BR [μV]		RL [μV]		BR [μV]		ERL [μV]		DRL [μV]		MPE [μV]		BR [μV]		RL [μV]	
	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]
0.00	199	151	24.8	4.71	199	151	2.32	4.71	199	151	12.9	4.71	199	151	N/A	6.31	199	151

Coverage factors: $W_{E_{ind}, \text{cube avg.}} = [7.54]$, $W_{E_{ind}, \text{local}} = [10.65]$, $W_{E_{ind}, \text{line avg.}} = [3.87]$

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	
	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}
0.00	19.5	N/A	18.7	N/A	6.68	N/A	32.0	20.0	22.7	N/A	1.74	N/A	1.36	N/A	-2.8	N/A	6.9	12.6

Coverage factors: $W_{E_{ind}, \text{cube avg.}} = [7.54]$, $W_{E_{ind}, \text{local}} = [10.65]$, $W_{E_{ind}, \text{line avg.}} = [3.87]$