

Appendix C: System Check Plots

RF SAFETY LABORATORY

DASY8 Module WPT Measurement Report

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: -5.73 mm, y: -191.37 mm, z: 35.35 mm

Dimensions:
x: 168.9 mm, y: 168.0 mm, z: 36.6 mm

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

Completed on:
2026/06/11

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 131.23 A/m
x: 26.32 A/m, y: 21.98 A/m, z: 126.67 A/m

Maximum H-field location relative to DUT:
x: -3.67 mm, y: 3.67 mm, z: 8.50 mm

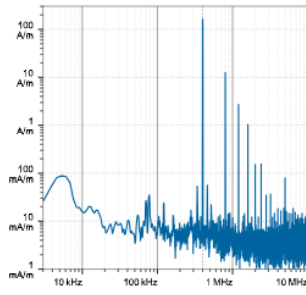
Maximum E-field [rms]:
MAGNITUDE: 43.02 V/m
x: 27.83 V/m, y: 16.83 V/m, z: 28.16 V/m

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

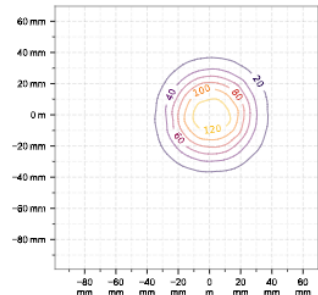
Distance to -20.0 dB boundary:
36.67 mm

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 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/m ² , μV]	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	256	43.0	4.16	4.27	4.27	2.64	6.94	3.47	39.3	1%	10%	18%

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]		RL [μV]		BR [μV]		ERL [μV]		DRL [μV]		MPE [μV]		BR [μV]		RL [μV]		BR [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/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	256	43.0	22.4	3.47	256	43.0	2.65	3.47	256	43.0	12.6	3.47	256	43.0	N/A	6.94	256	43.0	32.5	6.94

Coverage factors: $w_{E_{ind, cube avg}} = [5.39]$, $w_{E_{ind, local}} = [7.61]$, $w_{E_{ind, line avg}} = [2.95]$

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				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		
	NS	TH	NS	TH	NS	TH	N/A	N/A	NS	TH	NS	TH	NS	TH	NS	TH	N/A	N/A	N/A	N/A	NS	TH	NS	TH	NS	TH		
0.00	21.7	26.4	40.6	40.9	-7.25	-27.4	42.9	45.6	12.6	-27.4	3.91	8.98	23.2	36.5	-15.8	-27.4	43.9	37.8	N/A	-23.5	9.07	42.9	40.6	N/A	-4.14	-23.5		