

DASY8 Module WPT Measurement Report

Device under test

Info:
V-Coil35085

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5184

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000211, 2024/05/16

Software version:
2.8.8, backend: 2.2.36

Scan info

Center location:
x: 73.14 mm, y: -69.68 mm, z: 84.52 mm

Dimensions:
x: 345.0 mm, y: 521.0 mm, z: 37.0 mm

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

Completed on:
2025/05/09

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 136.15 A/m

x: 14.40 A/m, y: 120.17 A/m, z: 62.37 A/m

Maximum H-field location relative to DUT:
x: -18.33 mm, y: -172.33 mm, z: 8.50 mm

Maximum E-field [RMS]:
MAGNITUDE: 232.19 V/m

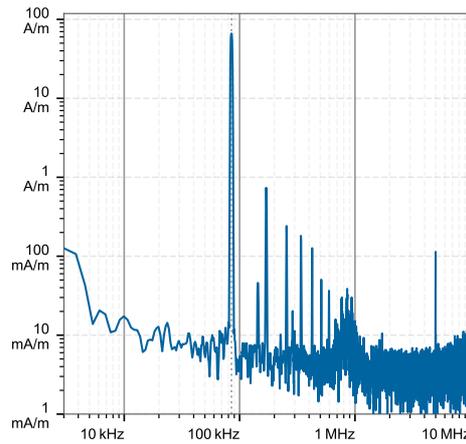
x: 8.25 V/m, y: 2.82 V/m, z: 232.03 V/m

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

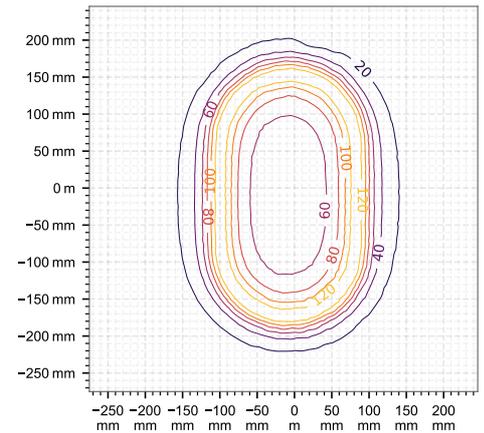
Distance to -20.0 dB boundary:
62.66 mm

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

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
	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	209	232	3.57	3.60	3.61	2.51	7.44	5.59	182
2.00	190	213	3.37	3.40	3.41	2.37	6.68	5.09	185

Compliance evaluation (Field values at the peak frequency)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	H_{inc} [A/m]	E_{inc} [V/m]	E_{ind} [V/m]	psSAR [mW/kg]	H_{inc} [A/m]	E_{inc} [V/m]	J_{ind} [A/m ²]	psSAR [mW/kg]	H_{inc} [A/m]	E_{inc} [V/m]	E_{ind} [V/m]	psSAR [mW/kg]	H_{inc} [A/m]	E_{inc} [V/m]	E_{ind} [V/m]	psSAR [mW/kg]	H_{inc} [A/m]	E_{inc} [V/m]	E_{ind} [V/m]	psSAR [mW/kg]
0.00	209	232	26.9	5.59	209	232	2.51	5.59	209	232	14.0	5.59	209	232	N/A	7.44	209	232	38.3	7.44
2.00	190	213	25.5	5.09	190	213	2.38	5.09	190	213	13.2	5.09	190	213	N/A	6.68	190	213	36.3	6.68

Coverage factors: $w_{E_{ind, cube avg.}} = [7.54, 7.57]$, $w_{E_{ind, local}} = [10.65, 10.70]$, $w_{E_{ind, line avg.}} = [3.87, 3.89]$

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

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6									
	RL		BR		RL		BR		ERL		DRL		MPE		BR		RL		BR							
	NS	TH	NS	TH	N/A	N/A	NS	TH	NS	TH	NS	TH	NS	TH	N/A	N/A	N/A	TH	NS	TH	NS	TH	NS	TH		
0.00	9.95	N/A	8.73	N/A	2.34	N/A	41.8	7.81	14.8	N/A	1.28	N/A	1.18	N/A	0.79	N/A	2.32	5.09	N/A	N/A	2.32	N/A	8.73	N/A	3.34	N/A
2.00	9.06	N/A	8.01	N/A	2.22	N/A	38.1	7.17	14.0	N/A	1.17	N/A	1.08	N/A	0.75	N/A	2.11	4.67	N/A	N/A	2.11	N/A	8.01	N/A	3.17	N/A

Coverage factors: $w_{E_{ind, cube avg.}} = [7.54, 7.57]$, $w_{E_{ind, local}} = [10.65, 10.70]$, $w_{E_{ind, line avg.}} = [3.87, 3.89]$

Simulation performed at 2025/05/09 using Sim4Life version 8.0.1.15737