

DASY8 Module WPT Measurement Report

Device under test

Info:
V-Coil35085

Tool info

DASY software version:
DASY8 Module WPT 2.6.0.5002

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

Software version:
2.0.63, backend: 2.2.22

Scan info

Center location:
x: 113.00 mm, y: -131.67 mm, z: 37.55 mm

Dimensions:
x: 433.0 mm, y: 477.0 mm, z: 36.7 mm

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

Completed on:
2024/09/13

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 124.98 A/m
x: 5.81 A/m, y: 112.81 A/m, z: 53.50 A/m

Maximum H-field location relative to DUT:
x: 3.67 mm, y: -165.00 mm, z: 8.50 mm

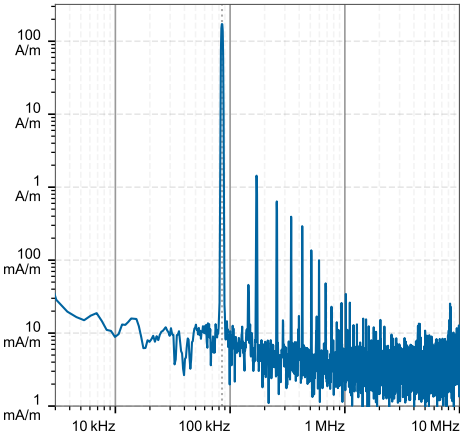
Maximum E-field [RMS]:
MAGNITUDE: 139.53 V/m
x: 11.60 V/m, y: 6.89 V/m, z: 138.87 V/m

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

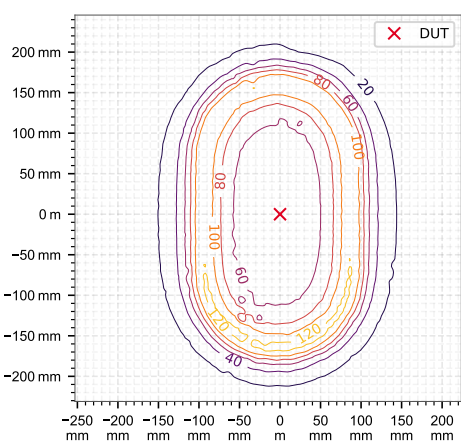
Distance to -20.0 dB boundary:
65.59 mm

Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [RMS] at maximum 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	188	140	3.19	3.22	3.23	2.25	5.98	4.47	185
2.00	173	129	3.02	3.05	3.05	2.13	5.37	4.07	187

Compliance evaluation (Field values at the peak frequency)

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]	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]	PE _{ind} [V/m]	psSAR [mW/kg]
0.00	188	140	3.20	4.47	188	140	2.26	4.47	188	140	3.24	4.47	188	140	N/A	5.98	188	140	3.23	5.98
2.00	173	129	3.02	4.07	173	129	2.13	4.07	173	129	3.06	4.07	173	129	N/A	5.37	173	129	3.05	5.37

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

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	RL	BR	RL	BR	ERL	DRL	MPE	BR	RL	BR	RL	BR	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	N/A	N/A	N/A	TH	NS	TH	NS	TH
0.00	8.96	N/A	5.43	N/A	0.28	N/A	37.6	5.16	13.3	N/A	1.15	N/A	0.73	N/A	0.18	N/A	2.09	3.27	N/A	N/A
2.00	8.22	N/A	5.04	N/A	0.26	N/A	34.5	4.79	12.6	N/A	1.06	N/A	0.68	N/A	0.17	N/A	1.92	3.03	N/A	N/A

DASY8 Module WPT Measurement Report

Device under test

Info:
V-Coil50400

Tool info

DASY software version:
DASY8 Module WPT 2.6.0.5002

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

Software version:
2.0.63, backend: 2.2.22

Scan info

Center location:
x: 126.97 mm, y: -243.29 mm, z: 36.65 mm

Dimensions:
x: 125.0 mm, y: 124.0 mm, z: 36.7 mm

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

Completed on:
2024/09/13

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 124.11 A/m
x: 18.69 A/m, y: 22.27 A/m, z: 120.65 A/m

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

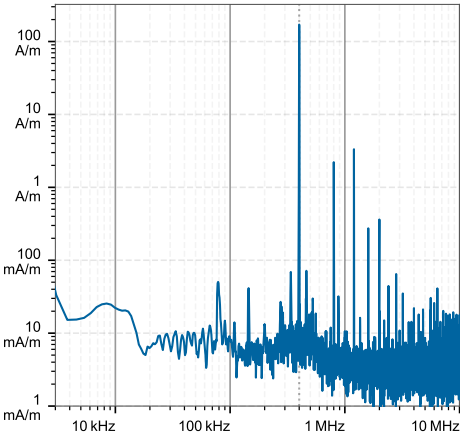
Maximum E-field [RMS]:
MAGNITUDE: 46.83 V/m
x: 22.31 V/m, y: 11.77 V/m, z: 39.46 V/m

Maximum E-field location relative to DUT:
x: 7.33 mm, y: -29.33 mm, z: 0.00 mm

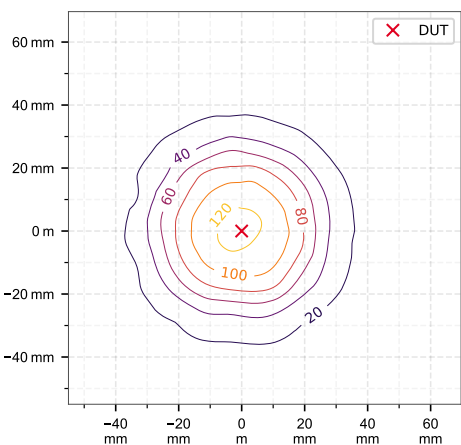
Distance to -20.0 dB boundary:
36.67 mm

Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [RMS] at maximum 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	241	46.8	4.00	4.09	4.10	2.54	6.41	3.25	39.4
2.00	213	43.6	3.44	3.53	3.54	2.18	4.73	2.44	39.7

Compliance evaluation (Field values at the peak frequency)

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]	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]	PE _{ind} [V/m]	psSAR [mW/kg]
0.00	241	46.8	21.6	3.25	241	46.8	2.55	3.25	241	46.8	12.1	3.25	241	46.8	N/A	6.41	241	46.8	31.2	6.41
2.00	213	43.6	18.6	2.44	213	43.6	2.18	2.44	213	43.6	10.5	2.44	213	43.6	N/A	4.73	213	43.6	26.9	4.73

Coverage factors: $w_{E_{ind}, cube\ avg.} = [5.39, 5.39]$, $w_{E_{ind}, local} = [7.61, 7.62]$, $w_{E_{ind}, line\ avg.} = [2.95, 2.95]$

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	RL	BR	PH _{inc}	PE _{inc}	PE _{ind}	psSAR	PH _{inc}	PE _{inc}	PE _{ind}	psSAR
0.00	11.5	19.7	118.0	35.1	0.42	<0.01	132.0	212.0	4.21	<0.01	11.48	2.65	15.9	71.3	0.16	<0.01	1148.0	100.0	N/A	<0.01
2.00	10.2	17.4	109.0	32.7	0.36	<0.01	117.0	197.0	3.68	<0.01	11.31	2.34	14.8	66.4	0.14	<0.01	1131.0	93.4	N/A	<0.01

Coverage factors: $w_{E_{ind}, cube\ avg.} = [5.39, 5.39]$, $w_{E_{ind}, local} = [7.61, 7.62]$, $w_{E_{ind}, line\ avg.} = [2.95, 2.95]$