

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: 78.66 mm, y: -89.40 mm, z: 84.74 mm

Dimensions:
x: 388.0 mm, y: 476.0 mm, z: 36.8 mm

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

Completed on:
2025/04/19

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 133.41 A/m
x: 3.40 A/m, y: 119.22 A/m, z: 59.76 A/m

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

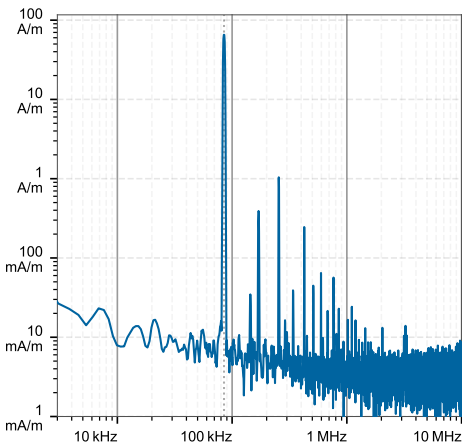
Maximum E-field [RMS]:
MAGNITUDE: 195.32 V/m
x: 17.40 V/m, y: 8.28 V/m, z: 194.37 V/m

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

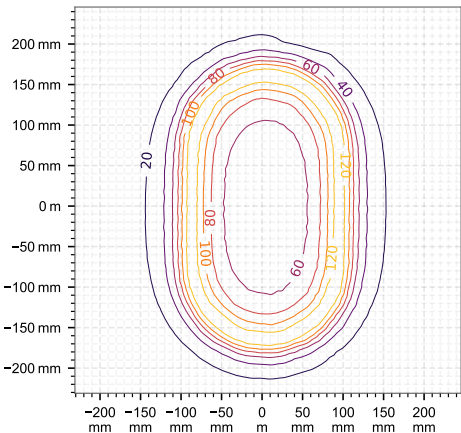
Distance to -20.0 dB boundary:
65.59 mm

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

H-field magnitude [RMS] at 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	207	195	3.41	3.44	3.45	2.40	6.78	5.06	183
2.00	188	179	3.22	3.24	3.25	2.27	6.07	4.59	185

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]	RL [RMS]	BR [RMS]	RL [RMS]	BR [RMS]	RL [RMS]	BR [RMS]	RL [RMS]	BR [RMS]
0.00	207	195	25.7	5.06	207	195	2.41	5.06	207	195	13.4	5.06	207	195	N/A	6.78	207	195	36.6	6.78
2.00	188	179	24.4	4.59	188	179	2.27	4.59	188	179	12.7	4.59	188	179	N/A	6.07	188	179	34.7	6.07

Coverage factors: $w_{E_{ind, cube avg.}} = [7.54, 7.58]$, $w_{E_{ind, local}} = [10.66, 10.71]$, $w_{E_{ind, line avg.}} = [3.88, 3.89]$

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	RL	BR	RL	BR	RL	BR	RL	BR	RL	BR
0.00	9.84	N/A	8.07	N/A	2.24	N/A	41.3	7.06	14.2	N/A	1.27	N/A	1.09	N/A	0.75	N/A	2.3	4.45	N/A	N/A
2.00	8.97	N/A	7.4	N/A	2.12	N/A	37.7	6.47	13.4	N/A	1.16	N/A	1.00	N/A	0.71	N/A	2.09	4.08	N/A	N/A

Coverage factors: $w_{E_{ind, cube avg.}} = [7.54, 7.58]$, $w_{E_{ind, local}} = [10.66, 10.71]$, $w_{E_{ind, line avg.}} = [3.88, 3.89]$

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V-Coil35085

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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: 70.29 mm, y: -64.92 mm, z: 91.42 mm

Dimensions:
x: 389.0 mm, y: 521.0 mm, z: 37.1 mm

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

Completed on:
2025/04/20

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 133.45 A/m
x: 115.63 A/m, y: 27.81 A/m, z: 60.52 A/m

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

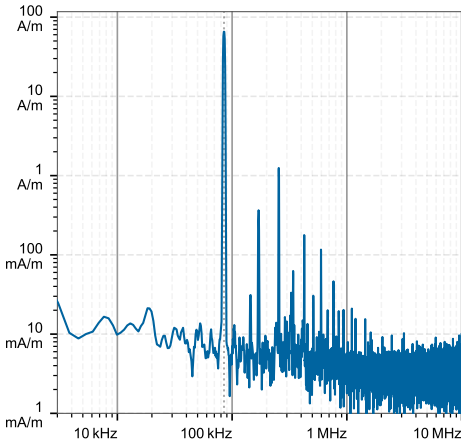
Maximum E-field [RMS]:
MAGNITUDE: 223.38 V/m
x: 12.52 V/m, y: 5.52 V/m, z: 222.96 V/m

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

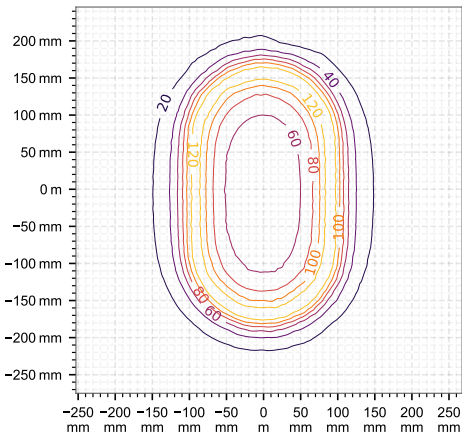
Distance to -20.0 dB boundary:
69.57 mm

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	205	223	3.45	3.48	3.49	2.44	7.00	5.28	183
2.00	187	205	3.25	3.28	3.29	2.30	6.29	4.80	186

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]	RL [RMS]	BR [RMS]	RL [RMS]	BR [RMS]	RL [RMS]	BR [RMS]	RL [RMS]	BR [RMS]
0.00	205	223	26.0	5.28	205	223	2.44	5.28	205	223	13.5	5.28	205	223	N/A	7.00	205	223	37.1	7.00
2.00	187	205	24.7	4.80	187	205	2.31	4.80	187	205	12.8	4.80	187	205	N/A	6.29	187	205	35.2	6.29

Coverage factors: $w_{E_{ind}, cube avg.} = [7.55, 7.58]$, $w_{E_{ind}, local} = [10.66, 10.71]$, $w_{E_{ind}, line avg.} = [3.88, 3.89]$

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	RL	BR	RL	BR	RL	BR	RL	BR	RL	BR
0.00	9.78	N/A	8.61	N/A	2.27	N/A	41.1	8.21	14.4	N/A	1.26	N/A	1.16	N/A	0.76	N/A	2.28	5.19	N/A	N/A
2.00	8.92	N/A	7.88	N/A	2.15	N/A	37.5	7.52	13.6	N/A	1.15	N/A	1.07	N/A	0.72	N/A	2.08	4.75	N/A	N/A

Coverage factors: $w_{E_{ind}, cube avg.} = [7.55, 7.58]$, $w_{E_{ind}, local} = [10.66, 10.71]$, $w_{E_{ind}, line avg.} = [3.88, 3.89]$

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Device under test

Info:
V-Coil50400

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: 30.29 mm, y: -96.89 mm, z: 90.77 mm

Dimensions:
x: 124.7 mm, y: 124.8 mm, z: 36.7 mm

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

Completed on:
2025/04/21

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 131.02 A/m
x: 16.03 A/m, y: 23.03 A/m, z: 127.98 A/m

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

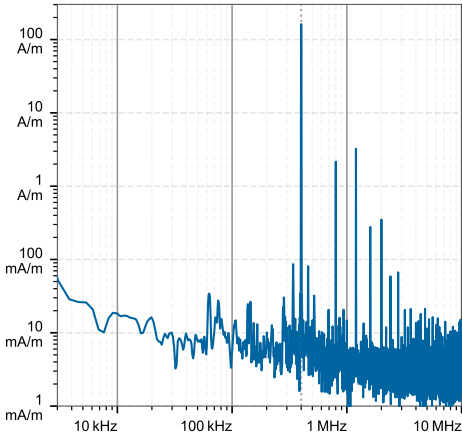
Maximum E-field [RMS]:
MAGNITUDE: 49.19 V/m
x: 23.08 V/m, y: 11.80 V/m, z: 41.81 V/m

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

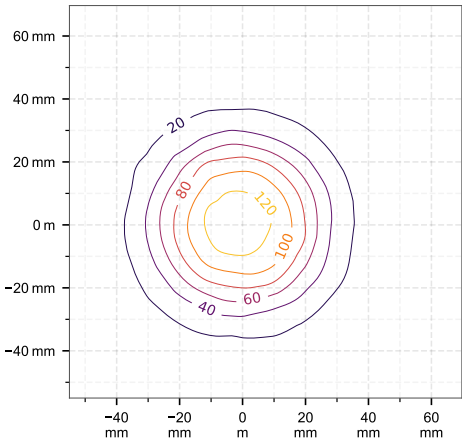
Distance to -20.0 dB boundary:
36.67 mm

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

H-field magnitude [RMS] at 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	253	49.2	4.14	4.24	4.24	2.65	6.97	3.47	39.4
2.00	223	45.7	3.59	3.69	3.68	2.26	5.12	2.61	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]	RL [RMS]	BR [RMS]	RL [RMS]	BR [RMS]	RL [RMS]	BR [RMS]	RL [RMS]	BR [RMS]
0.00	253	49.2	22.3	3.47	253	49.2	2.65	3.47	253	49.2	12.5	3.47	253	49.2	N/A	6.97	253	49.2	32.3	6.97
2.00	223	45.7	19.4	2.61	223	45.7	2.27	2.61	223	45.7	10.9	2.61	223	45.7	N/A	5.12	223	45.7	28.1	5.12

Coverage factors: w_{E_{ind}, cube avg.} = [5.39, 5.40], w_{E_{ind}, local} = [7.62, 7.62], w_{E_{ind}, line avg.} = [2.95, 2.96]

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	RL	BR	RL	BR	RL	BR	RL	BR
0.00	12.1	20.7	114.0	25.1	0.43	<0.01	139.0	231.0	4.31	<0.01	1.55	2.78	15.4	73.4	0.16	<0.01	1155.0	124.0	N/A	<0.01
2.00	10.6	18.2	106.0	23.3	0.38	<0.01	122.0	214.0	3.75	<0.01	1.37	2.45	14.3	68.2	0.14	<0.01	1137.0	115.0	N/A	<0.01

Coverage factors: w_{E_{ind}, cube avg.} = [5.39, 5.40], w_{E_{ind}, local} = [7.62, 7.62], w_{E_{ind}, line avg.} = [2.95, 2.96]