

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, 2025/06/05

Software version:
2.8.8, backend: 2.2.36

Scan info

Center location:
x: 24.40 mm, y: -117.34 mm, z: 36.14 mm

Dimensions:
x: 389.0 mm, y: 520.0 mm, z: 36.7 mm

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

Completed on:
2025/09/03

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 140.60 A/m
x: 96.29 A/m, y: 74.79 A/m, z: 70.02 A/m

Maximum H-field location relative to DUT:
x: 69.67 mm, y: -128.33 mm, z: 8.50 mm

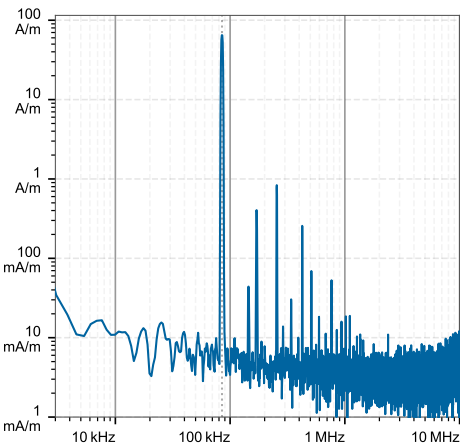
Maximum E-field [RMS]:
MAGNITUDE: 196.56 V/m
x: 10.24 V/m, y: 9.75 V/m, z: 196.05 V/m

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

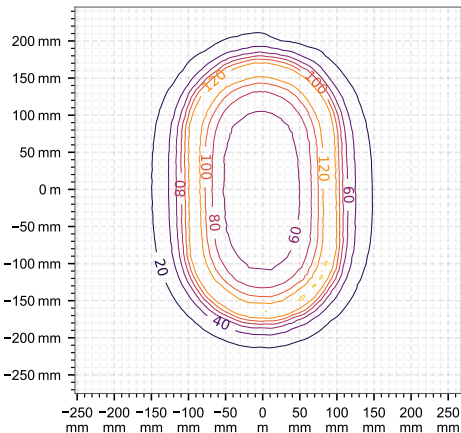
Distance to -20.0 dB boundary:
65.59 mm

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	216	197	3.51	3.54	3.55	2.48	7.22	5.40	182
2.00	197	181	3.31	3.34	3.35	2.34	6.47	4.90	184

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	216	197	26.4	5.40	216	197	2.48	5.40	216	197	13.7	5.40	216	197	N/A	7.22	216	197	37.7	7.22
2.00	197	181	25.0	4.90	197	181	2.34	4.90	197	181	13.0	4.90	197	181	N/A	6.47	197	181	35.7	6.47

Coverage factors: $w_{E_{ind}, cube avg.} = [7.52, 7.56]$, $w_{E_{ind}, local} = [10.63, 10.68]$, $w_{E_{ind}, line avg.} = [3.87, 3.88]$

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	10.3	N/A	11.1	N/A	2.31	N/A	43.2	9.54	14.7	N/A	1.33	N/A	1.5	N/A	0.77	N/A	2.4	5.14	N/A	N/A
2.00	9.38	N/A	10.2	N/A	2.18	N/A	39.4	8.76	13.8	N/A	1.21	N/A	1.37	N/A	0.73	N/A	2.19	4.72	N/A	N/A

Coverage factors: $w_{E_{ind}, cube avg.} = [7.52, 7.56]$, $w_{E_{ind}, local} = [10.63, 10.68]$, $w_{E_{ind}, line avg.} = [3.87, 3.88]$

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MAGPy-8H3D+E3Dv2, WP000211, 2025/06/05

Software version:
2.8.8, backend: 2.2.36

Scan info

Center location:
x: 15.35 mm, y: -42.12 mm, z: 36.12 mm

Dimensions:
x: 389.0 mm, y: 521.0 mm, z: 36.7 mm

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

Completed on:
2025/09/05

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 135.16 A/m
x: 122.25 A/m, y: 9.83 A/m, z: 56.81 A/m

Maximum H-field location relative to DUT:
x: 91.67 mm, y: -77.00 mm, z: 8.50 mm

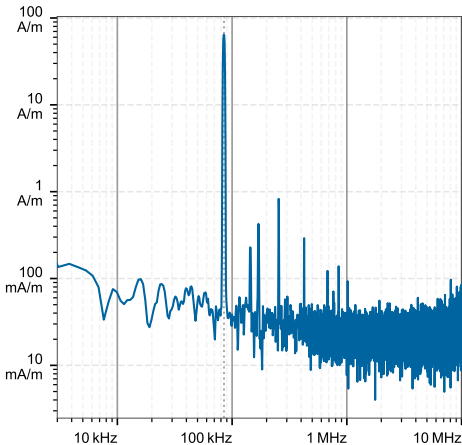
Maximum E-field [RMS]:
MAGNITUDE: 246.02 V/m
x: 7.22 V/m, y: 10.83 V/m, z: 245.67 V/m

Maximum E-field location relative to DUT:
x: 88.00 mm, y: 176.00 mm, z: 0.00 m

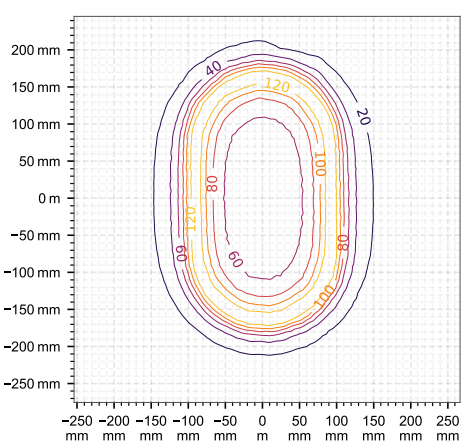
Distance to -20.0 dB boundary:
69.57 mm

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	210	246	3.43	3.46	3.47	2.41	6.81	5.09	182
2.00	191	224	3.23	3.26	3.27	2.27	6.10	4.62	184

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	210	246	25.8	5.09	210	246	2.41	5.09	210	246	13.4	5.09	210	246	N/A	6.81	210	246	36.8	6.81
2.00	191	224	24.4	4.62	191	224	2.27	4.62	191	224	12.7	4.62	191	224	N/A	6.10	191	224	34.8	6.10

Coverage factors: $w_{E_{ind, cube avg.}} = [7.53, 7.56]$, $w_{E_{ind, local}} = [10.63, 10.68]$, $w_{E_{ind, line avg.}} = [3.87, 3.88]$

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	9.99	N/A	15.1	N/A	2.25	N/A	41.9	12.9	14.3	N/A	1.29	N/A	2.04	N/A	0.76	N/A	2.33	6.76	N/A	N/A
2.00	9.11	N/A	13.7	N/A	2.13	N/A	38.2	11.8	13.5	N/A	1.17	N/A	1.86	N/A	0.72	N/A	2.12	6.15	N/A	N/A

Coverage factors: $w_{E_{ind, cube avg.}} = [7.53, 7.56]$, $w_{E_{ind, local}} = [10.63, 10.68]$, $w_{E_{ind, line avg.}} = [3.87, 3.88]$