

DASY8 Module WPT Measurement Report

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, 2025/06/05

Software version:
2.8.8, backend: 2.2.36

Scan info

Center location:
x: 100.12 mm, y: -52.66 mm, z: 36.34 mm

Dimensions:
x: 124.9 mm, y: 125.0 mm, z: 36.7 mm

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

Completed on:
2025/09/10

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 133.06 A/m
x: 16.74 A/m, y: 22.70 A/m, z: 130.04 A/m

Maximum H-field location relative to DUT:
x: -3.63 mm, y: -3.63 mm, z: 8.50 mm

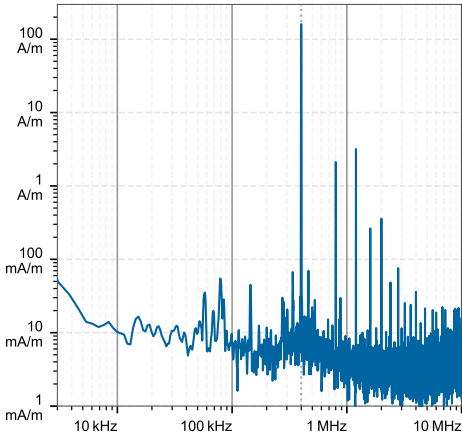
Maximum E-field [RMS]:
MAGNITUDE: 37.64 V/m
x: 19.66 V/m, y: 10.36 V/m, z: 30.38 V/m

Maximum E-field location relative to DUT:
x: 33.33 μm, y: -36.63 mm, z: 0.00 mm

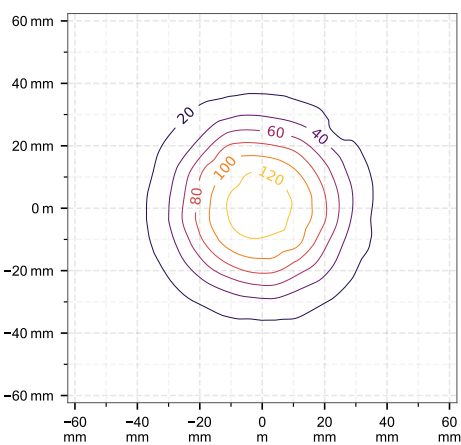
Distance to -20.0 dB boundary:
37.39 mm

Offset relative to DUT:
x: 36.70 mm, y: 36.70 mm, 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	255	37.6	4.18	4.29	4.29	2.65	6.87	3.38	39.4
2.00	225	35.6	3.59	3.70	3.70	2.25	4.99	2.50	39.6

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	255	37.6	22.5	3.38	255	37.6	2.65	3.38	255	37.6	12.7	3.38	255	37.6	N/A	6.87	255	37.6	32.7	6.87
2.00	225	35.6	19.4	2.50	225	35.6	2.26	2.50	225	35.6	10.9	2.50	225	35.6	N/A	4.99	225	35.6	28.2	4.99

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	RL	BR	RL	BR	RL	BR	RL	BR
0.00	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH
2.00	12.2	20.8	148.0	72.4	0.44	<0.01	140.0	304.0	4.61	<0.01	1.57	2.8	20.0	117.0	0.17	<0.01	157.0	156.0	N/A	<0.01

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

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Center location:
x: 100.10 mm, **y**: -52.61 mm, **z**: 36.32 mm

Dimensions:
x: 124.9 mm, **y**: 125.1 mm, **z**: 36.7 mm

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

Completed on:
2025/09/11

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 133.44 A/m

x: 16.85 A/m, **y**: 22.64 A/m, **z**: 130.42 A/m

Maximum H-field location relative to DUT:
x: -3.63 mm, **y**: -3.63 mm, **z**: 8.50 mm

Maximum E-field [RMS]:
MAGNITUDE: 37.99 V/m

x: 19.78 V/m, **y**: 10.42 V/m, **z**: 30.71 V/m

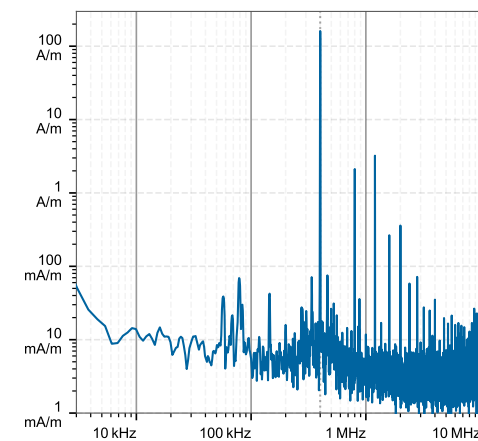
Maximum E-field location relative to DUT:
x: 33.33 μm , **y**: -36.63 mm, **z**: 0.00 mm

Distance to -20.0 dB boundary:
37.39 mm

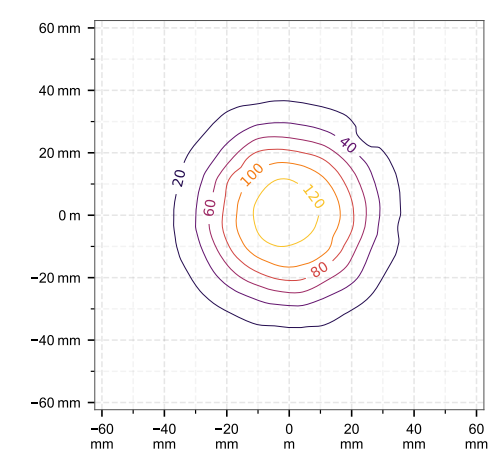
Offset relative to DUT:

x: 36.70 mm, **y**: 36.70 mm, **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	256	38.0	4.19	4.30	4.30	2.66	6.90	3.39	39.4
2.00	225	35.9	3.60	3.71	3.71	2.26	5.02	2.51	39.6

Compliance evaluation (Field values at the peak frequency)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	H_{inc}	E_{inc}	E_{ind}	psSAR	H_{inc}	E_{inc}	J_{ind}	psSAR	H_{inc}	E_{inc}	E_{ind}	psSAR	H_{inc}	E_{inc}	E_{ind}	psSAR	H_{inc}	E_{inc}	E_{ind}	psSAR
0.00	256	38.0	22.6	3.39	256	38.0	2.66	3.39	256	38.0	12.7	3.39	256	38.0	N/A	6.90	256	38.0	32.7	6.90
2.00	225	35.9	19.4	2.51	225	35.9	2.26	2.51	225	35.9	11.0	2.51	225	35.9	N/A	5.02	225	35.9	28.2	5.02

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

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			
	H_{inc}	E_{inc}	E_{ind}	psSAR	H_{inc}	E_{inc}	J_{ind}	psSAR	H_{inc}	E_{inc}	E_{ind}	psSAR	H_{inc}	E_{inc}	E_{ind}	psSAR	H_{inc}	E_{inc}	E_{ind}	psSAR
0.00	12.2	20.9	200.0	83.4	0.45	<0.01	140.0	436.0	5.07	<0.01	1.57	2.81	27.1	225.0	0.17	<0.01	1157.0	229.0	N/A	<0.01
2.00	10.7	18.4	189.0	78.7	0.39	<0.01	123.0	411.0	4.48	<0.01	1.38	2.48	25.6	213.0	0.15	<0.01	1138.0	216.0	N/A	<0.01

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