

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: 85.01 mm, y: 59.48 mm, z: 35.90 mm

Dimensions:
x: 125.0 mm, y: 124.6 mm, z: 36.7 mm

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

Completed on:
2025/06/23

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 133.05 A/m
x: 14.89 A/m, y: 13.74 A/m, z: 131.50 A/m

Maximum H-field location relative to DUT:
x: -10.97 mm, y: -10.97 mm, z: 8.50 mm

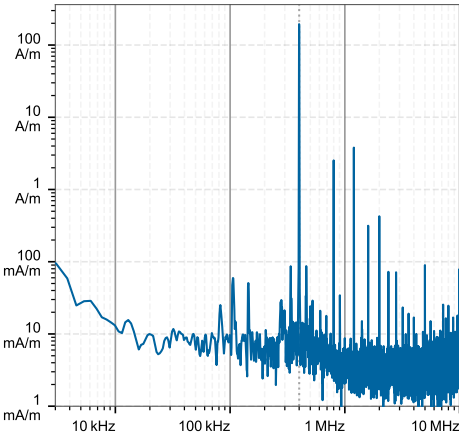
Maximum E-field [RMS]:
MAGNITUDE: 50.40 V/m
x: 24.22 V/m, y: 12.79 V/m, z: 42.31 V/m

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

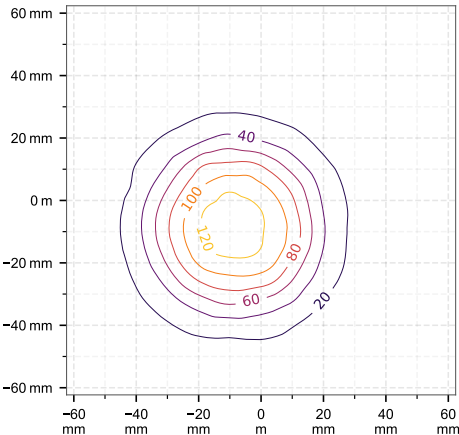
Distance to -20.0 dB boundary:
39.49 mm

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	254	50.4	4.18	4.29	4.28	2.67	7.04	3.52	39.3
2.00	225	46.7	3.62	3.71	3.71	2.28	5.17	2.64	39.5

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	254	50.4	22.6	3.52	254	50.4	2.67	3.52	254	50.4	12.6	3.52	254	50.4	N/A	7.04	254	50.4	32.6	7.04
2.00	225	46.7	19.5	2.64	225	46.7	2.28	2.64	225	46.7	11.0	2.64	225	46.7	N/A	5.17	225	46.7	28.3	5.17

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	12.1	20.7	78.1	26.4	0.43	<0.01	139.0	151.0	4.01	<0.01	1.56	2.79	10.6	24.9	0.16	<0.01	156.0	71.2	N/A	<0.01
2.00	10.7	18.4	72.4	24.5	0.37	<0.01	123.0	140.0	3.48	<0.01	1.38	2.47	9.79	23.1	0.14	<0.01	138.0	66.0	N/A	<0.01

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