

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: 96.95 mm, y: -170.72 mm, z: 37.70 mm

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

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

Completed on:
2024/12/05

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 123.47 A/m
x: 14.39 A/m, y: 25.37 A/m, z: 119.97 A/m

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

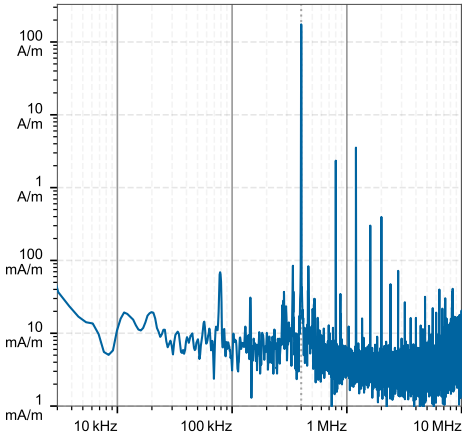
Maximum E-field [RMS]:
MAGNITUDE: 48.89 V/m
x: 23.59 V/m, y: 12.68 V/m, z: 40.90 V/m

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

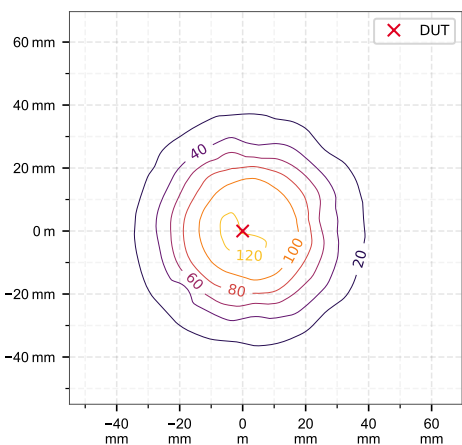
Distance to -20.0 dB boundary:
37.39 mm

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	248	48.9	4.01	4.11	4.10	2.55	6.46	3.24	39.4
2.00	215	45.5	3.46	3.57	3.56	2.18	4.75	2.43	39.8

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	248	48.9	21.6	3.24	248	48.9	2.55	3.24	248	48.9	12.1	3.24	248	48.9	N/A	6.46	248	48.9	31.3	6.46
2.00	215	45.5	18.7	2.43	215	45.5	2.18	2.43	215	45.5	10.5	2.43	215	45.5	N/A	4.75	215	45.5	27.2	4.75

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	11.8	20.2	187.0	54.3	0.43	<0.01	136.0	325.0	4.82	<0.01	1.52	2.72	25.3	164.0	0.17	<0.01	115.2	0.165	0	<0.01
2.00	10.2	17.6	174.0	50.4	0.38	<0.01	118.0	303.0	4.25	<0.01	1.32	2.36	23.5	153.0	0.14	<0.01	113.2	0.153	0	<0.01

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