

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

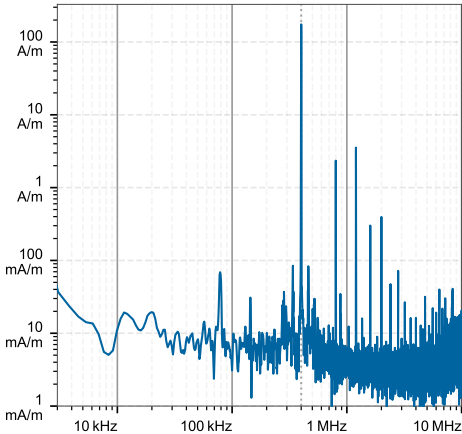
Maximum E-field [RMS]:
MAGNITUDE: 48.89 V/m
x: 23.59 V/m, y: 12.68 V/m, z: 40.90 V/m

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

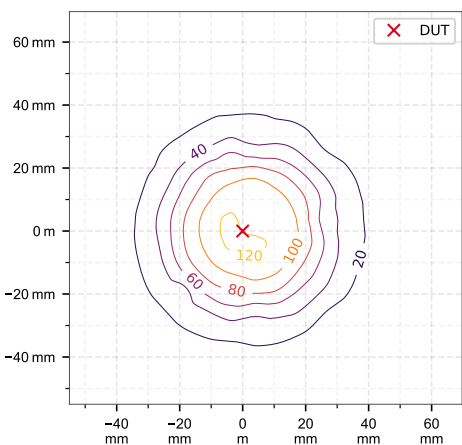
Distance to -20.0 dB boundary:
37.39 mm

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	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH
2.00	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	N/A

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