

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: 109.93 mm, y: -49.95 mm, z: 36.27 mm

Dimensions:
x: 169.1 mm, y: 168.7 mm, z: 36.6 mm

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

Completed on:
2024/09/24

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 124.88 A/m
x: 2.69 A/m, y: 6.08 A/m, z: 124.70 A/m

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

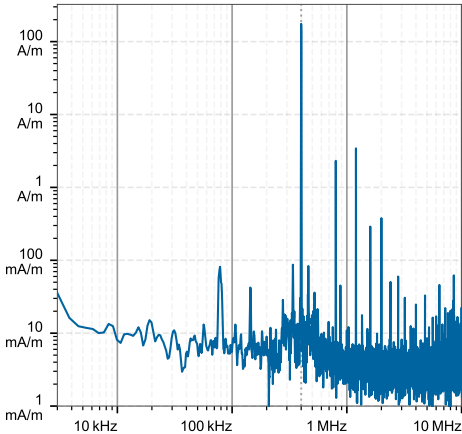
Maximum E-field [RMS]:
MAGNITUDE: 46.33 V/m
x: 21.48 V/m, y: 10.08 V/m, z: 39.79 V/m

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

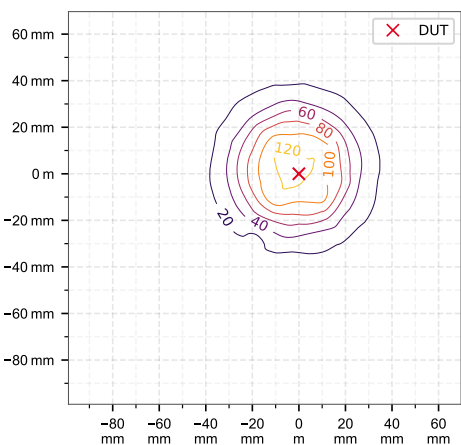
Distance to -20.0 dB boundary:
41.48 mm

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	244	46.3	4.03	4.14	4.12	2.56	6.45	3.22	39.4
2.00	215	43.1	3.48	3.58	3.58	2.19	4.73	2.41	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]	PH _{inc} [A/m]	PE _{inc} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]	PH _{inc} [A/m]	PE _{inc} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]
0.00	244	46.3	21.7	3.22	244	46.3	2.57	3.22	244	46.3	12.2	3.22	244	46.3	N/A	6.45	244	46.3	31.5	6.45
2.00	215	43.1	18.8	2.41	215	43.1	2.19	2.41	215	43.1	10.6	2.41	215	43.1	N/A	4.73	215	43.1	27.3	4.73

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	PH _{inc}	PE _{inc}	PE _{ind}	psSAR	PH _{inc}	PE _{inc}	PE _{ind}	psSAR
0.00	11.6	19.9	106.0	52.4	0.42	<0.01	134.0	197.0	4.13	<0.01	11.5	2.68	14.3	71.1	0.16	<0.01	1150.0	83.0	N/A	<0.01
2.00	10.3	17.6	98.2	48.7	0.36	<0.01	118.0	184.0	3.59	<0.01	11.32	2.37	13.3	66.1	0.14	<0.01	1132.0	77.2	N/A	<0.01

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