

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: 99.61 mm, y: -237.71 mm, z: 36.40 mm

Dimensions:
x: 168.4 mm, y: 169.0 mm, z: 36.7 mm

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

Completed on:
2024/11/05

Measurement results

Maximum H-field [RMS]:

MAGNITUDE: 126.84 A/m

x: 16.26 A/m, y: 19.03 A/m, z: 124.35 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: 50.16 V/m

x: 22.53 V/m, y: 11.44 V/m, z: 43.33 V/m

Maximum E-field location relative to DUT:

x: 7.33 mm, y: -29.33 mm, z: 0.00 mm

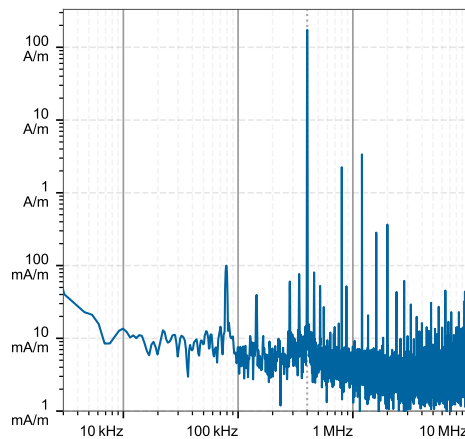
Distance to -20.0 dB boundary:

36.67 mm

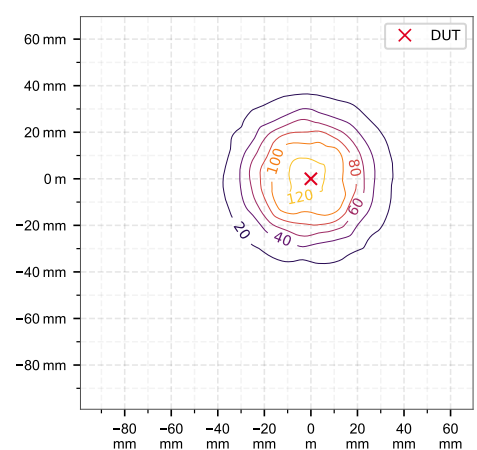
Offset relative to DUT:

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	245	50.2	4.14	4.25	4.27	2.62	6.70	3.35	39.4
2.00	216	46.5	3.56	3.67	3.68	2.22	4.89	2.49	39.7

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	245	50.2	22.3	3.35	245	50.2	2.62	3.35	245	50.2	12.6	3.35	245	50.2	N/A	6.70	245	50.2	32.4	6.70
2.00	216	46.5	19.2	2.49	216	46.5	2.23	2.49	216	46.5	10.9	2.49	216	46.5	N/A	4.89	216	46.5	28.0	4.89

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	11.7	20.0	123.0	34.1	0.44	<0.01	134.0	212.0	4.35	<0.01	11.5	2.69	16.7	64.0	0.16	<0.01	1150.0	98.6	N/A	<0.01
2.00	10.3	17.6	114.0	31.6	0.38	<0.01	118.0	196.0	3.78	<0.01	11.32	2.37	15.5	59.3	0.14	<0.01	1132.0	91.5	N/A	<0.01

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