

DASY8 Module WPT Measurement Report

Device under test

Info:
V-Coil35085

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:
2.0.61, backend: 2.2.22

Scan info

Center location:
x: 62.80 mm, y: -22.23 mm, z: 36.27 mm

Dimensions:
x: 432.0 mm, y: 520.0 mm, z: 36.6 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: 126.37 A/m

x: 108.40 A/m, y: 35.88 A/m, z: 54.12 A/m

Maximum H-field location relative to DUT:

x: 84.33 mm, y: 106.33 mm, z: 8.50 mm

Maximum E-field [RMS]:

MAGNITUDE: 196.20 V/m

x: 8.94 V/m, y: 7.38 V/m, z: 195.86 V/m

Maximum E-field location relative to DUT:

x: 88.00 mm, y: 176.00 mm, z: 0.00 m

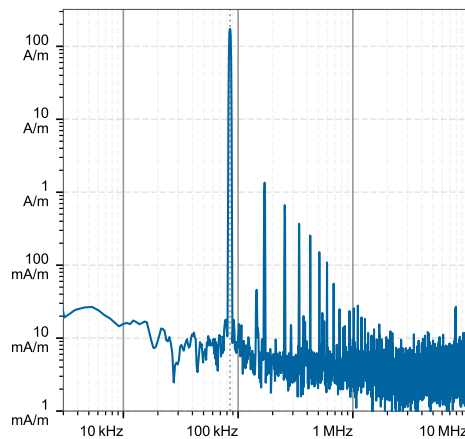
Distance to -20.0 dB boundary:

67.61 mm

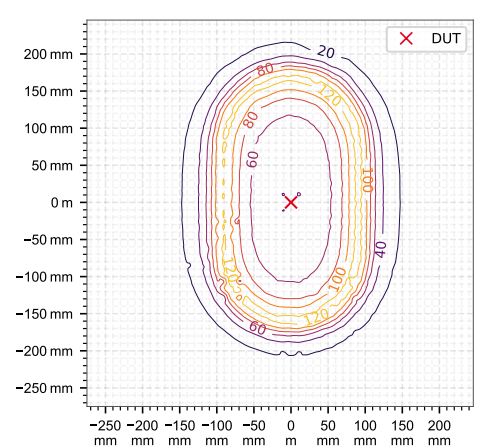
Offset relative to DUT:

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	192	196	3.28	3.31	3.32	2.31	6.30	4.71	184
2.00	175	181	3.10	3.13	3.13	2.18	5.65	4.27	186

Compliance evaluation (Field values at the peak frequency) (f=85.00 kHz, total field evaluation, coverage evaluation)

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	192	196	24.8	4.71	192	196	2.32	4.71	192	196	12.9	4.71	192	196	N/A	6.30	192	196	35.4	6.30
2.00	175	181	23.5	4.27	175	181	2.19	4.27	175	181	12.2	4.27	175	181	N/A	5.65	175	181	33.5	5.65

Coverage factors: $w_{E_{ind}, cube avg.} = [7.56, 7.59]$, $w_{E_{ind}, local} = [10.67, 10.73]$, $w_{E_{ind}, line avg.} = [3.88, 3.90]$

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	9.14	N/A	7.66	N/A	2.16	N/A	38.4	6.69	13.7	N/A	1.18	N/A	1.04	N/A	0.73	N/A	2.13	4.07	N/A	N/A
2.00	8.33	N/A	7.05	N/A	2.05	N/A	35.0	6.16	12.9	N/A	1.07	N/A	0.95	N/A	0.69	N/A	1.94	3.74	N/A	N/A

Coverage factors: $w_{E_{ind}, cube avg.} = [7.56, 7.59]$, $w_{E_{ind}, local} = [10.67, 10.73]$, $w_{E_{ind}, line avg.} = [3.88, 3.90]$