

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:
2.0.63, backend: 2.2.22

Scan info

Center location:
x: 101.91 mm, y: -110.39 mm, z: 36.91 mm

Dimensions:
x: 389.1 mm, y: 476.0 mm, z: 36.7 mm

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

Completed on:
2024/09/06

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 126.08 A/m

x: 115.81 A/m, y: 24.51 A/m, z: 43.41 A/m

Maximum H-field location relative to DUT:
x: 91.67 mm, y: -91.67 mm, z: 8.50 mm

Maximum E-field [RMS]:
MAGNITUDE: 168.52 V/m

x: 16.08 V/m, y: 7.81 V/m, z: 167.57 V/m

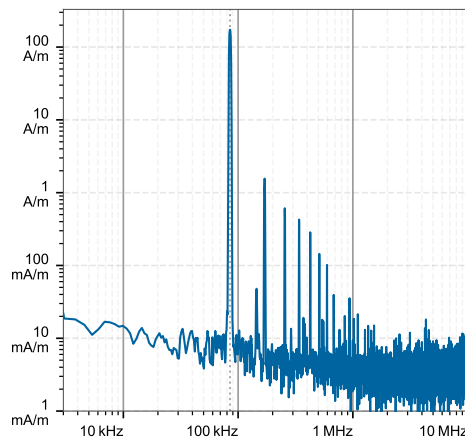
Maximum E-field location relative to DUT:
x: 88.00 mm, y: 146.67 mm, z: 0.00 m

Distance to -20.0 dB boundary:
69.57 mm

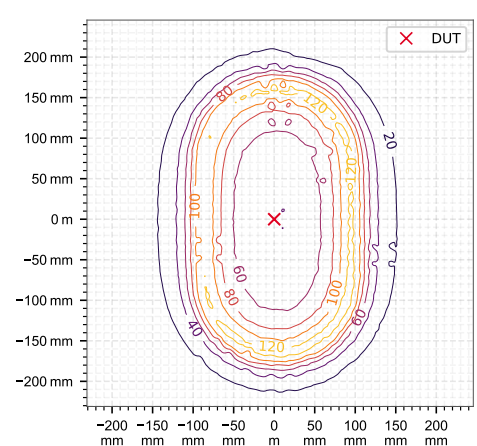
Offset relative to DUT:

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	198	169	3.23	3.26	3.27	2.27	6.09	4.58	183
2.00	180	155	3.04	3.07	3.08	2.15	5.47	4.17	186

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	198	169	24.4	4.58	198	169	2.27	4.58	198	169	12.7	4.58	198	169	N/A	6.09	198	169	34.8	6.09
2.00	180	155	23.1	4.17	180	155	2.15	4.17	180	155	12.0	4.17	180	155	N/A	5.47	180	155	32.9	5.47

Coverage factors: $w_{E_{ind, cube avg.}} = [7.55, 7.59]$, $w_{E_{ind, local}} = [10.66, 10.71]$, $w_{E_{ind, line avg.}} = [3.88, 3.89]$

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	9.41	N/A	7.1	N/A	2.13	N/A	39.5	7.27	13.4	N/A	1.21	N/A	0.96	N/A	0.71	N/A	2.2	3.95	N/A	N/A
2.00	8.57	N/A	6.52	N/A	2.01	N/A	36.0	6.67	12.7	N/A	1.1	N/A	0.88	N/A	0.67	N/A	2.0	3.63	N/A	N/A

Coverage factors: $w_{E_{ind, cube avg.}} = [7.55, 7.59]$, $w_{E_{ind, local}} = [10.66, 10.71]$, $w_{E_{ind, line avg.}} = [3.88, 3.89]$