

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: 92.15 mm, y: -115.88 mm, z: 38.45 mm

Dimensions:
x: 433.0 mm, y: 521.0 mm, z: 36.6 mm

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

Completed on:
2024/11/28

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 130.21 A/m
x: 114.45 A/m, y: 36.72 A/m, z: 50.07 A/m

Maximum H-field location relative to DUT:
x: 84.33 mm, y: -99.00 mm, z: 8.50 mm

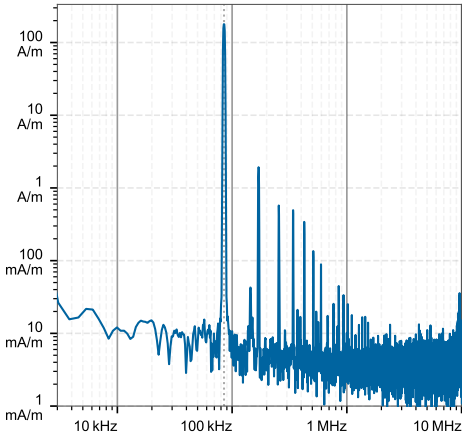
Maximum E-field [RMS]:
MAGNITUDE: 168.11 V/m
x: 8.30 V/m, y: 9.93 V/m, z: 167.61 V/m

Maximum E-field location relative to DUT:
x: 88.00 mm, y: 176.00 mm, z: 0.00 m

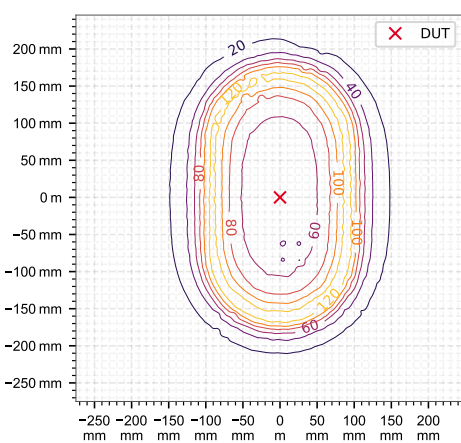
Distance to -20.0 dB boundary:
55.85 mm

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	197	168	3.38	3.41	3.42	2.38	6.66	5.00	184
2.00	180	155	3.19	3.22	3.22	2.25	5.97	4.54	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	197	168	25.5	5.00	197	168	2.38	5.00	197	168	13.3	5.00	197	168	N/A	6.66	197	168	36.4	6.66
2.00	180	155	24.2	4.54	180	155	2.25	4.54	180	155	12.6	4.54	180	155	N/A	5.97	180	155	34.5	5.97

Coverage factors: $w_{E_{ind}, cube avg.} = [7.56, 7.59]$, $w_{E_{ind}, local} = [10.68, 10.73]$, $w_{E_{ind}, line avg.} = [3.88, 3.90]$

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	9.39	N/A	6.19	N/A	2.23	N/A	39.4	5.33	14.0	N/A	1.21	N/A	0.84	N/A	0.75	N/A	2.19	3.45	N/A	N/A
2.00	8.59	N/A	5.7	N/A	2.11	N/A	36.1	4.92	13.3	N/A	1.11	N/A	0.77	N/A	0.71	N/A	2.0	3.18	N/A	N/A

Coverage factors: $w_{E_{ind}, cube avg.} = [7.56, 7.59]$, $w_{E_{ind}, local} = [10.68, 10.73]$, $w_{E_{ind}, line avg.} = [3.88, 3.90]$