

DASY8 Module WPT Measurement Report

Device under test

Info:
V-Coil35085

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5184

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000211, 2024/05/16

Software version:
2.8.8, backend: 2.2.36

Scan info

Center location:
x: 111.83 mm, **y**: -134.17 mm, **z**: 36.81 mm

Dimensions:
x: 432.0 mm, **y**: 520.0 mm, **z**: 36.7 mm

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

Completed on:
2025/05/14

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 133.29 A/m

x: 3.31 A/m, **y**: 122.54 A/m, **z**: 52.34 A/m

Maximum H-field location relative to DUT:
x: 11.00 mm, **y**: -172.33 mm, **z**: 8.50 mm

Maximum E-field [RMS]:
MAGNITUDE: 218.57 V/m

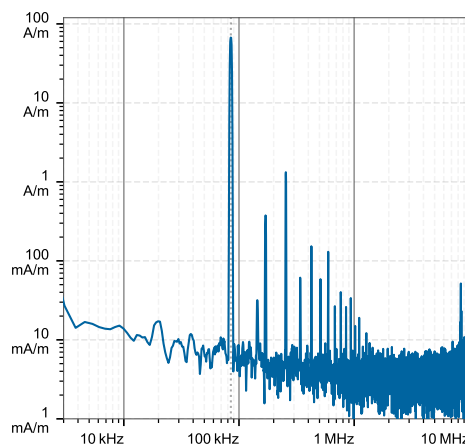
x: 11.57 V/m, **y**: 3.80 V/m, **z**: 218.23 V/m

Maximum E-field location relative to DUT:
x: 102.67 mm, **y**: 146.67 mm, **z**: 0.00 mm

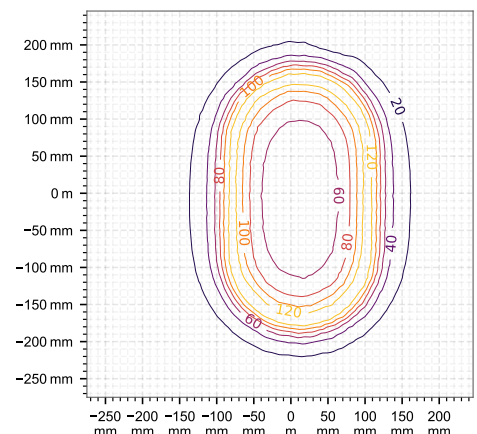
Distance to -20.0 dB boundary:
65.59 mm

Offset relative to DUT:
x: 0.00 m, **y**: 0.00 m, **z**: 1.00 mm

H-field magnitude [RMS] at center 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	210	219	3.48	3.51	3.52	2.45	7.11	5.35	183
2.00	191	201	3.29	3.32	3.33	2.32	6.39	4.88	185

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	210	219	26.3	5.35	210	219	2.46	5.35	210	219	13.7	5.35	210	219	N/A	7.11	210	219	37.5	7.11
2.00	191	201	24.9	4.88	191	201	2.32	4.88	191	201	13.0	4.88	191	201	N/A	6.39	191	201	35.5	6.39

Coverage factors: $w_{E_{ind, cube avg.}} = [7.54, 7.58]$, $w_{E_{ind, local}} = [10.65, 10.71]$, $w_{E_{ind, line avg.}} = [3.88, 3.89]$

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	9.99	N/A	10.1	N/A	2.29	N/A	42.0	10.3	14.5	N/A	1.29	N/A	1.37	N/A	0.77	N/A	2.33	5.12	N/A	N/A
2.00	9.09	N/A	9.3	N/A	2.17	N/A	38.2	9.47	13.7	N/A	1.17	N/A	1.26	N/A	0.73	N/A	2.12	4.7	N/A	N/A

Coverage factors: $w_{E_{ind, cube avg.}} = [7.54, 7.58]$, $w_{E_{ind, local}} = [10.65, 10.71]$, $w_{E_{ind, line avg.}} = [3.88, 3.89]$