

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: 70.13 mm, **y**: -55.56 mm, **z**: 36.57 mm

Dimensions:
x: 389.0 mm, **y**: 521.0 mm, **z**: 36.6 mm

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

Completed on:
2024/10/17

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 124.40 A/m

x: 3.02 A/m, **y**: 108.23 A/m, **z**: 61.25 A/m

Maximum H-field location relative to DUT:
x: -3.67 mm, **y**: 157.67 mm, **z**: 8.50 mm

Maximum E-field [RMS]:
MAGNITUDE: 208.17 V/m

x: 12.76 V/m, **y**: 5.38 V/m, **z**: 207.71 V/m

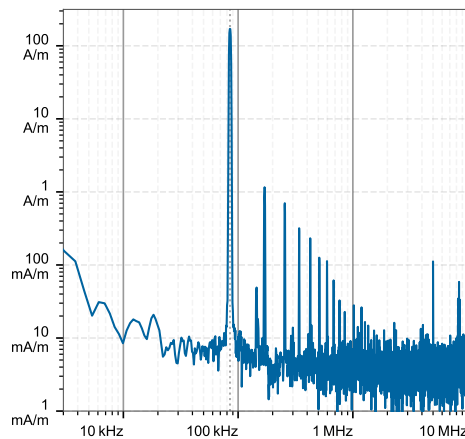
Maximum E-field location relative to DUT:
x: 88.00 mm, **y**: 146.67 mm, **z**: 0.00 m

Distance to -20.0 dB boundary:
59.12 mm

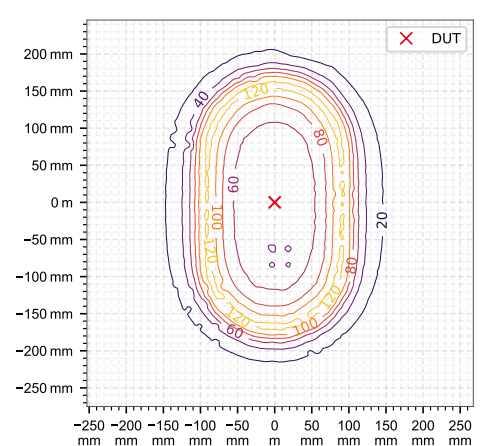
Offset relative to DUT:

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	194	208	3.26	3.29	3.30	2.30	6.27	4.71	183
2.00	176	191	3.08	3.11	3.12	2.18	5.63	4.29	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	194	208	24.6	4.71	194	208	2.31	4.71	194	208	12.8	4.71	194	208	N/A	6.27	194	208	35.1	6.27
2.00	176	191	23.4	4.29	176	191	2.18	4.29	176	191	12.1	4.29	176	191	N/A	5.63	176	191	33.3	5.63

Coverage factors: $w_{E_{ind, cube avg.}} = [7.55, 7.58]$, $w_{E_{ind, local}} = [10.66, 10.71]$, $w_{E_{ind, line avg.}} = [3.88, 3.89]$

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	9.23	N/A	8.28	N/A	2.15	N/A	38.8	7.68	13.6	N/A	1.19	N/A	1.12	N/A	0.72	N/A	2.15	4.83	N/A	N/A
2.00	8.4	N/A	7.59	N/A	2.04	N/A	35.3	7.04	12.9	N/A	1.08	N/A	1.03	N/A	0.68	N/A	1.96	4.43	N/A	N/A

Coverage factors: $w_{E_{ind, cube avg.}} = [7.55, 7.58]$, $w_{E_{ind, local}} = [10.66, 10.71]$, $w_{E_{ind, line avg.}} = [3.88, 3.89]$