

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: 101.83 mm, y: -110.31 mm, z: 36.85 mm

Dimensions:
x: 388.2 mm, y: 476.0 mm, z: 36.6 mm

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

Completed on:
2024/07/22

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 122.04 A/m
x: 96.22 A/m, y: 45.30 A/m, z: 59.85 A/m

Maximum H-field location relative to DUT:
x: 84.33 mm, y: -113.67 mm, z: 8.50 mm

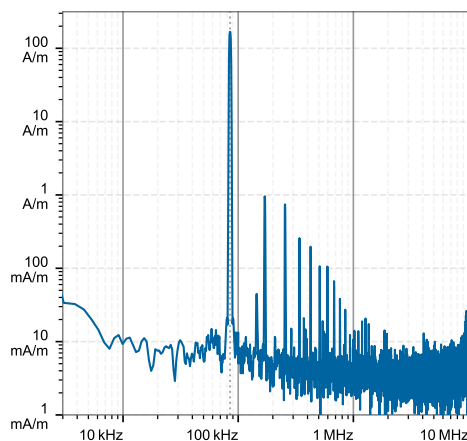
Maximum E-field [RMS]:
MAGNITUDE: 168.95 V/m
x: 15.24 V/m, y: 7.46 V/m, z: 168.10 V/m

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

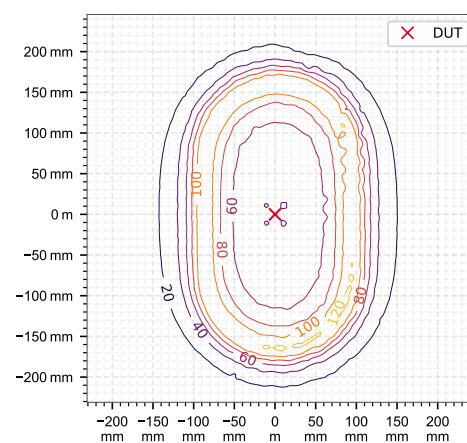
Distance to -20.0 dB boundary:
67.61 mm

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	191	169	3.13	3.16	3.17	2.20	5.72	4.31	183
2.00	174	155	2.95	2.98	2.99	2.08	5.14	3.92	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]	
	pH _{inc}	pE _{inc}	pE _{ind}	psSAR	pH _{inc}	pE _{inc}	pJ _{ind}	psSAR	pH _{inc}	pE _{inc}	pE _{ind}	psSAR	pH _{inc}	pE _{inc}	pE _{ind}	psSAR	pH _{inc}	pE _{inc}	pE _{ind}	psSAR
0.00	191	169	23.6	4.31	191	169	2.21	4.31	191	169	12.3	4.31	191	169	N/A	5.72	191	169	33.7	5.72
2.00	174	155	22.4	3.92	174	155	2.08	3.92	174	155	11.6	3.92	174	155	N/A	5.14	174	155	31.9	5.14

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	
	pH _{inc}	pE _{inc}	pE _{ind}	psSAR	pH _{inc}	pE _{inc}	pJ _{ind}	psSAR	pH _{inc}	pE _{inc}	pE _{ind}	psSAR	pH _{inc}	pE _{inc}	pE _{ind}	psSAR	pH _{inc}	pE _{inc}	pE _{ind}	psSAR
	NS	TH	NS	TH	NS	TH	N/A	N/A	NS	TH	NS	TH	NS	TH	N/A	N/A	NS	TH	NS	TH
0.00	9.11	N/A	7.35	N/A	2.06	N/A	38.3	7.43	13.0	N/A	1.17	N/A	0.99	N/A	0.69	N/A	2.13	N/A	7.35	N/A
2.00	8.3	N/A	6.75	N/A	1.95	N/A	34.9	6.82	12.3	N/A	1.07	N/A	0.91	N/A	0.65	N/A	1.94	N/A	6.75	N/A

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