

DASY8 Module WPT Measurement Report

Device under test

Info:
V-Coil35085

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5184

Scan info

Center location:
x: 78.66 mm, y: -89.40 mm, z: 84.74 mm

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

Dimensions:
x: 388.0 mm, y: 476.0 mm, z: 36.8 mm

Software version:
2.8.8, backend: 2.2.36

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

Completed on:
2025/03/31

Measurement results

Maximum H-field [RMS]:

MAGNITUDE: 133.41 A/m
x: 3.40 A/m, y: 119.22 A/m, z: 59.76 A/m

Maximum H-field location relative to DUT:

x: 3.67 mm, y: -165.00 mm, z: 8.50 mm

Maximum E-field [RMS]:

MAGNITUDE: 195.32 V/m
x: 17.40 V/m, y: 8.28 V/m, z: 194.37 V/m

Maximum E-field location relative to DUT:

x: 88.00 mm, y: 146.67 mm, z: 0.00 m

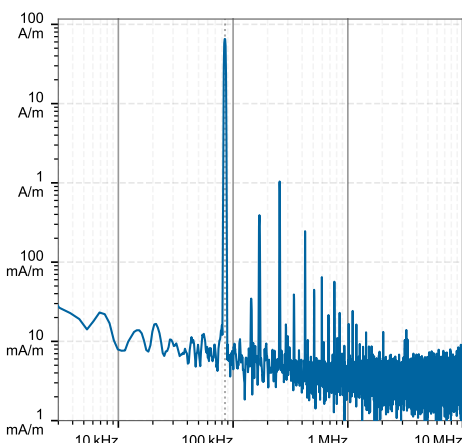
Distance to -20.0 dB boundary:

65.59 mm

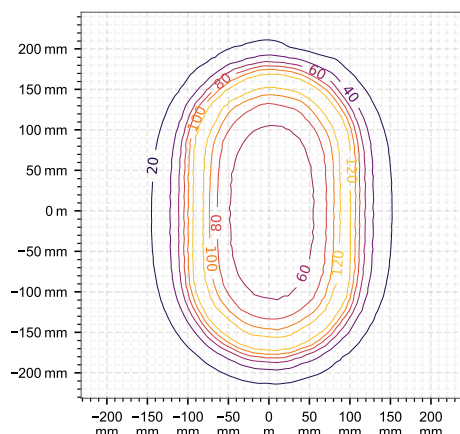
Offset relative to DUT:

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	207	195	3.41	3.44	3.45	2.40	6.78	5.06	183
2.00	188	179	3.22	3.24	3.25	2.27	6.07	4.59	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]	PH _{inc} [A/m]	PE _{inc} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]	PH _{inc} [A/m]	PE _{inc} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]	PH _{inc} [A/m]	PE _{inc} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]		
0.00	207	195	25.7	5.06	207	195	2.41	5.06	207	195	13.4	5.06	207	195	N/A	6.78	207	195	36.6	6.78	207	195	36.6	6.78
2.00	188	179	24.4	4.59	188	179	2.27	4.59	188	179	12.7	4.59	188	179	N/A	6.07	188	179	34.7	6.07	188	179	34.7	6.07

Coverage factors: $w_{E_{ind, cube avg.}} = [7.54, 7.58]$, $w_{E_{ind, local}} = [10.66, 10.71]$, $w_{E_{ind, line avg.}} = [3.88, 3.89]$

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	PH _{inc}	PE _{inc}	PE _{ind}	psSAR	PH _{inc}	PE _{inc}	PE _{ind}	psSAR	PH _{inc}	PE _{inc}	PE _{ind}	psSAR				
0.00	9.84	N/A	8.07	N/A	2.24	N/A	41.3	7.06	14.2	N/A	1.27	N/A	1.09	N/A	0.75	N/A	2.3	4.45	N/A	N/A	2.3	N/A	8.07	N/A	3.19	N/A
2.00	8.97	N/A	7.4	N/A	2.12	N/A	37.7	6.47	13.4	N/A	1.16	N/A	1.00	N/A	0.71	N/A	2.09	4.08	N/A	N/A	2.09	N/A	7.4	N/A	3.03	N/A

Coverage factors: $w_{E_{ind, cube avg.}} = [7.54, 7.58]$, $w_{E_{ind, local}} = [10.66, 10.71]$, $w_{E_{ind, line avg.}} = [3.88, 3.89]$