

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: 68.33 mm, y: -22.29 mm, z: 36.33 mm

Dimensions:
x: 433.0 mm, y: 520.0 mm, z: 36.7 mm

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

Completed on:
2024/06/24

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 128.05 A/m
x: 65.54 A/m, y: 91.05 A/m, z: 61.73 A/m

Maximum H-field location relative to DUT:
x: 55.00 mm, y: -143.00 mm, z: 8.50 mm

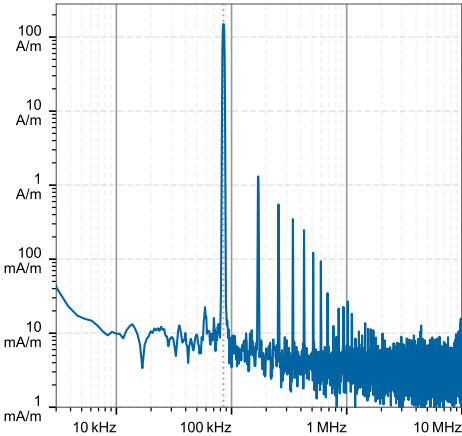
Maximum E-field [RMS]:
MAGNITUDE: 194.40 V/m
x: 8.51 V/m, y: 9.02 V/m, z: 194.01 V/m

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

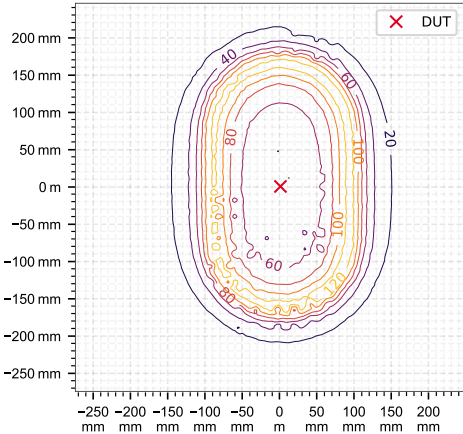
Distance to -20.0 dB boundary:
65.59 mm

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	195	194	3.34	3.37	3.38	2.35	6.50	4.86	184
2.00	178	179	3.14	3.17	3.18	2.22	5.82	4.42	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
	[A/m]	[V/m]	[V/m]	[mW/kg]	[A/m]	[V/m]	[A/m ²]	[mW/kg]	[A/m]	[V/m]	[V/m]	[mW/kg]	[A/m]	[V/m]	[V/m]	[mW/kg]	[A/m]	[V/m]	[V/m]	[mW/kg]
0.00	195	194	25.2	4.86	195	194	2.36	4.86	195	194	13.1	4.86	195	194	N/A	6.50	195	194	36.0	6.50
2.00	178	179	23.9	4.42	178	179	2.22	4.42	178	179	12.4	4.42	178	179	N/A	5.82	178	179	34.0	5.82

Coverage factors: $w_{E_{ind}, cube avg.} = [7.56, 7.59]$, $w_{E_{ind}, local} = [10.68, 10.72]$, $w_{E_{ind}, line avg.} = [3.88, 3.90]$

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	
	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	TH	NS	TH	NS	TH
0.00	9.27	N/A	8.68	N/A	2.2	N/A	38.9	8.04	13.9	N/A	1.19	N/A	1.17	N/A	0.74	N/A	2.16	N/A	8.68	N/A
2.00	8.47	N/A	7.98	N/A	2.08	N/A	35.6	7.38	13.1	N/A	1.09	N/A	1.08	N/A	0.70	N/A	1.98	N/A	7.98	N/A

Coverage factors: $w_{E_{ind}, cube avg.} = [7.56, 7.59]$, $w_{E_{ind}, local} = [10.68, 10.72]$, $w_{E_{ind}, line avg.} = [3.88, 3.90]$