DASY8 Module WPT Measurement Report

Device under test

Info:
1_Back_0mm

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: 159.56 mm, **Y:** -35.81 mm, **Z:** 21.44 mm

Dimensions:
X: 212.4 mm, **Y:** 300.9 mm, **Z:** 36.7 mm

Resolution:
X: 7.33 mm, **Y:** 7.33 mm, **Z:** 7.33 mm

Completed on:
2024/11/28

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 2.29 A/m
X: 157.18 mA/m, **Y:** 292.67 mA/m, **Z:** 2.27 A/m

Maximum H-field location relative to DUT:
X: -25.67 mm, **Y:** 3.67 mm, **Z:** 8.50 mm

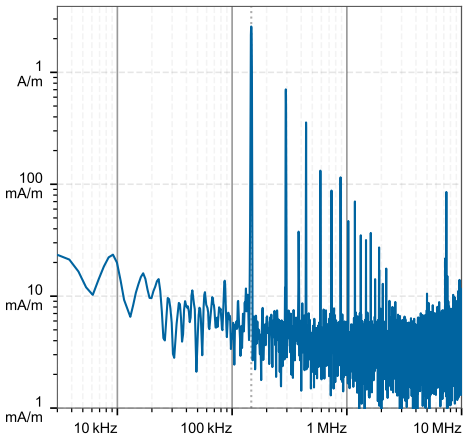
Maximum E-field [RMS]:
MAGNITUDE: 118.83 V/m
X: 1.89 V/m, **Y:** 3.26 V/m, **Z:** 118.77 V/m

Maximum E-field location relative to DUT:
X: -36.67 mm, **Y:** -36.67 mm, **Z:** 0.00 m

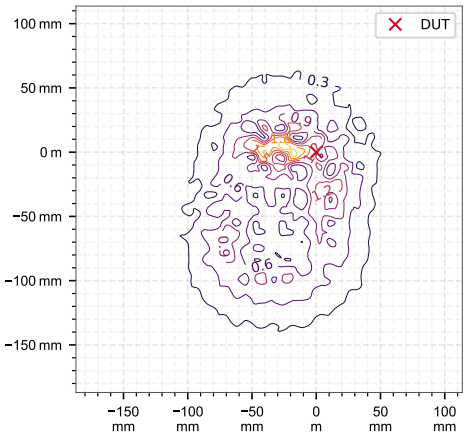
Distance to -20.0 dB boundary:
42.76 mm

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 homogeous phantom at the peak frequency

	Peak incident fields [RMS]		Peak E_{ind} [V/m, RMS]			Peak J_{ind} [A/m^2, RMS]	psSAR [mW/kg]		H-field extent
Distance [mm]	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	3.93	119	0.0309	0.0316	0.0316	0.0208	4.74e-4	3.23e-4	82.9

Compliance evaluation (Field values at the peak frequency)

	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]	
Distance [mm]	pH_{inc} [A/m]	pE_{inc} [V/m]	pE_{ind} [V/m]	psSAR [mW/kg]	pH_{inc} [A/m]	pE_{inc} [V/m]	pJ_{ind} [A/m^2]	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]	pH_{inc} [A/m]	pE_{inc} [V/m]	pE_{ind} [V/m]	psSAR [mW/kg]
0.00	3.93	119	0.192	3.4e-4	3.93	119	0.0243	3.4e-4	3.93	119	0.107	3.4e-4	3.93	119	N/A	4.91e-4	3.93	119	0.274	4.91e-4

Coverage factors: $w_{E_{ind,\ cube\ avg.}}$ = [6.04], $w_{E_{ind,\ local}}$ = [8.54], $w_{E_{ind,\ line\ avg.}}$ = [3.23]

Compliance evaluation (Exposure ratios) *(with multi-frequency enhancement, total field evaluation, coverage evaluation)*

	ICNIRP 2010/2020						ICNIRP 1998				IEEE 2019						FCC				HC Code 6					
	RL				BR		RL		BR		ERL				DRL		MPE		BR		RL				BR	
Distance [mm]	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	NS	TH	N/A	N/A	N/A	TH	NS	TH	NS	TH	NS	TH
0.00	0.19	0.11	1.7	0.05	0.01	<0.01	0.79	1.61	0.09	<0.01	0.02	0.02	0.23	0.09	<0.01	<0.01	2.41	0.23	N/A	<0.01	0.04	0.77	1.7	0.53	0.01	<0.01

Coverage factors: $w_{E_{ind,\ cube\ avg.}}$ = [6.04], $w_{E_{ind,\ local}}$ = [8.54], $w_{E_{ind,\ line\ avg.}}$ = [3.23]

Simulation performed at 2024/11/28 using Sim4Life version 8.0.1.15446

DASY8 Module WPT Measurement Report

Device under test

Info:
2_Fromt_0mm

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: 159.46 mm, **Y:** -35.80 mm, **Z:** 21.52 mm

Dimensions:
X: 168.5 mm, **Y:** 256.9 mm, **Z:** 36.7 mm

Resolution:
X: 7.33 mm, **Y:** 7.33 mm, **Z:** 7.33 mm

Completed on:
2024/11/28

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 8.94 A/m
X: 785.60 mA/m, **Y:** 1.41 A/m, **Z:** 8.79 A/m

Maximum H-field location relative to DUT:
X: -25.67 mm, **Y:** -47.67 mm, **Z:** 8.50 mm

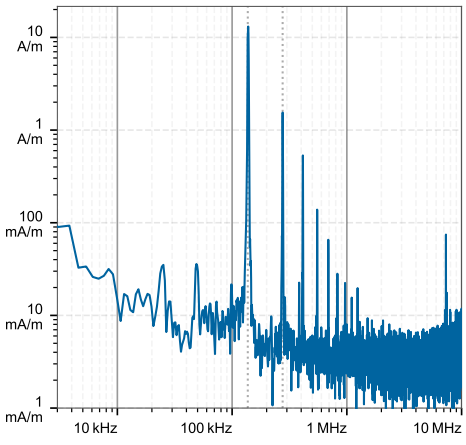
Maximum E-field [RMS]:
MAGNITUDE: 79.33 V/m
X: 7.01 V/m, **Y:** 793.49 mV/m, **Z:** 79.01 V/m

Maximum E-field location relative to DUT:
X: 0.00 m, **Y:** -36.67 mm, **Z:** 0.00 m

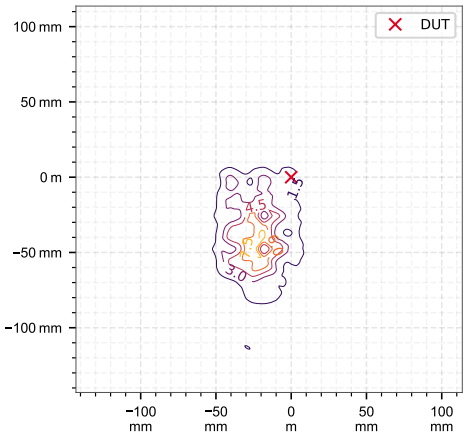
Distance to -20.0 dB boundary:
31.11 mm

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

	Peak incident fields [RMS]		Peak E_{ind} [V/m, RMS]			Peak J_{ind} [A/m^2, RMS]	psSAR [mW/kg]		H-field extent
Distance [mm]	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	19.4	79.3	0.0943	0.0981	0.0968	0.059	3.21e-3	1.55e-3	40.6

Compliance evaluation (Field values at the peak frequency)

	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]	
Distance [mm]	pH_{inc} [A/m]	pE_{inc} [V/m]	pE_{ind} [V/m]	psSAR [mW/kg]	pH_{inc} [A/m]	pE_{inc} [V/m]	pJ_{ind} [A/m^2]	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]	pH_{inc} [A/m]	pE_{inc} [V/m]	pE_{ind} [V/m]	psSAR [mW/kg]
0.00	19.4	79.3	0.513	1.56e-3	19.4	79.3	0.0614	1.56e-3	19.4	79.3	0.29	1.56e-3	19.4	79.3	N/A	3.21e-3	19.4	79.3	0.752	3.21e-3

Coverage factors: $w_{E_{ind,\,cube\,avg.}}$ = [5.41], $w_{E_{ind,\,local}}$ = [7.64], $w_{E_{ind,\,line\,avg.}}$ = [2.96]

Compliance evaluation (Exposure ratios) *(with multi-frequency enhancement, total field evaluation, coverage evaluation)*

	ICNIRP 2010/2020						ICNIRP 1998				IEEE 2019						FCC				HC Code 6					
	RL				BR		RL		BR		ERL				DRL		MPE		BR		RL				BR	
Distance [mm]	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	NS	TH	N/A	N/A	N/A	TH	NS	TH	NS	TH	NS	TH
0.00	0.92	0.56	3.67	0.13	0.03	<0.01	3.87	2.96	0.24	<0.01	0.12	0.08	0.50	0.08	0.01	<0.01	11.9	0.50	N/A	<0.01	0.22	3.78	3.67	0.96	0.04	<0.01

Coverage factors: $w_{E_{ind,\,cube\,avg.}}$ = [5.41], $w_{E_{ind,\,local}}$ = [7.64], $w_{E_{ind,\,line\,avg.}}$ = [2.96]

Simulation performed at 2024/11/28 using Sim4Life version 8.0.1.15446