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: 128.48 mm, **Y:** -147.98 mm, **Z:** 101.72 mm

Dimensions:
X: 168.5 mm, **Y:** 300.7 mm, **Z:** 37.0 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: 4.68 A/m
X: 452.71 mA/m, **Y:** 131.91 mA/m, **Z:** 4.66 A/m

Maximum H-field location relative to DUT:
X: -3.67 mm, **Y:** -11.00 mm, **Z:** 8.50 mm

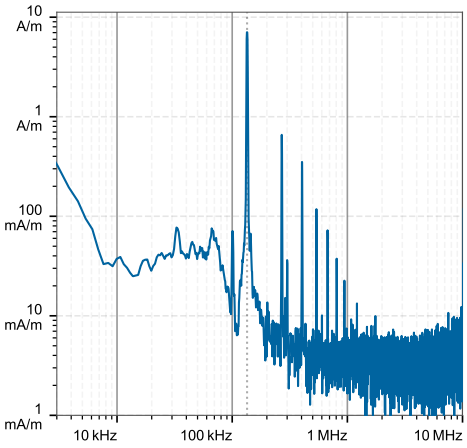
Maximum E-field [RMS]:
MAGNITUDE: 160.64 V/m
X: 4.59 V/m, **Y:** 5.81 V/m, **Z:** 160.47 V/m

Maximum E-field location relative to DUT:
X: 14.67 mm, **Y:** 58.67 mm, **Z:** 0.00 m

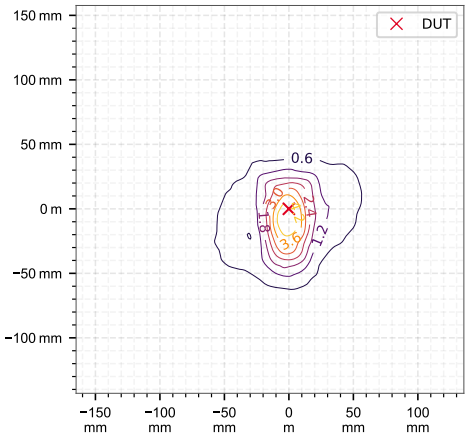
Distance to -20.0 dB boundary:
46.96 mm

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	10.2	161	0.0601	0.0617	0.0614	0.0381	1.41e-3	6.86e-4	47.9

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	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
[mm]	[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	10.2	161	0.338	7.14e-4	10.2	161	0.0427	7.14e-4	10.2	161	0.191	7.14e-4	10.2	161	N/A	1.44e-3	10.2	161	0.487	1.44e-3

Coverage factors: $w_{E_{ind,\ cube\ avg.}}$ = [5.52], $w_{E_{ind,\ local}}$ = [7.80], $w_{E_{ind,\ line\ avg.}}$ = [3.01]

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	0.49	0.28	4.13	0.23	0.02	<0.01	2.05	2.83	0.18	<0.01	0.06	0.04	0.56	0.14	<0.01	<0.01	6.29	0.88	N/A	<0.01	0.11	1.89	4.13	1.23	0.03	<0.01

Coverage factors: $w_{E_{ind,\ cube\ avg.}}$ = [5.52], $w_{E_{ind,\ local}}$ = [7.80], $w_{E_{ind,\ line\ avg.}}$ = [3.01]

Simulation performed at 2024/07/22 using Sim4Life version 8.0.1.15446

DASY8 Module WPT Measurement Report

Device under test

Info:
2_Front_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: 114.20 mm, **Y:** -175.78 mm, **Z:** 33.37 mm

Dimensions:
X: 212.8 mm, **Y:** 256.9 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: 3.88 A/m
X: 288.23 mA/m, **Y:** 401.36 mA/m, **Z:** 3.84 A/m

Maximum H-field location relative to DUT:
X: -3.67 mm, **Y:** 18.33 mm, **Z:** 8.50 mm

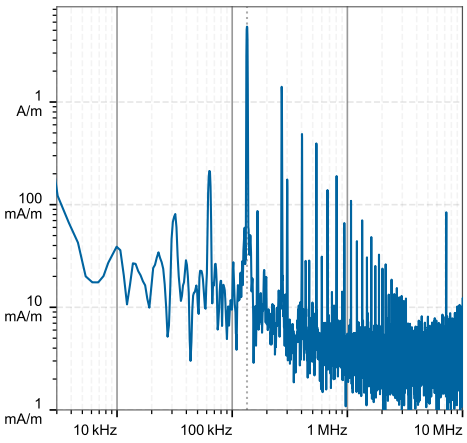
Maximum E-field [RMS]:
MAGNITUDE: 19.10 V/m
X: 303.53 mV/m, **Y:** 880.70 mV/m, **Z:** 19.08 V/m

Maximum E-field location relative to DUT:
X: 0.00 m, **Y:** 58.67 mm, **Z:** 0.00 m

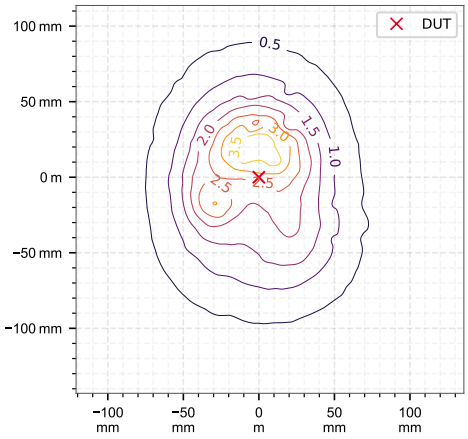
Distance to -20.0 dB boundary:
74.79 mm

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	6.51	19.1	0.0712	0.0719	0.0721	0.0497	2.77e-3	1.80e-3	81.0

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	6.51	19.1	0.429	1.80e-3	6.51	19.1	0.0502	1.80e-3	6.51	19.1	0.233	1.80e-3	6.51	19.1	N/A	2.77e-3	6.51	19.1	0.612	2.77e-3

Coverage factors: $w_{E_{ind,\ cube\ avg.}}$ = [6.02], $w_{E_{ind,\ local}}$ = [8.50], $w_{E_{ind,\ line\ avg.}}$ = [3.22]

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	0.31	0.18	6.79	4.42	0.02	<0.01	1.3	9.24	0.24	<0.01	0.04	0.02	0.92	0.55	<0.01	<0.01	3.99	1.85	N/A	<0.01	0.07	1.2	6.79	16.3	0.03	<0.01

Coverage factors: $w_{E_{ind,\ cube\ avg.}}$ = [6.02], $w_{E_{ind,\ local}}$ = [8.50], $w_{E_{ind,\ line\ avg.}}$ = [3.22]

Simulation performed at 2024/07/22 using Sim4Life version 8.0.1.15446