

cDASY6 Module WPT Measurement Report

Device under test

Info:
not set

Serial number:
not set

Scenario:
not set

Tool info

DASY software version:
cDASY6 Module WPT 2.0.0.2607

Probe model, serial and calibration date:
MAGPy-8H3D+E3Dv2, WP000201, 2023/06/26

Software version:
2.0.27, backend: 0.9.0

Scan info

Center location:
x: 5.28 mm, y: 1.62 mm, z: 35.56 mm

Dimensions:
x: 125.0 mm, y: 125.0 mm, z: 36.7 mm

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

Completed on:
2023/07/11 09:47:04

Measurement results

Maximum H-field [RMS]:

MAGNITUDE: 123.48 A/m

x: 1.17 A/m, y: 17.16 A/m, z: 122.28 A/m

Maximum H-field location relative to DUT:

x: -3.67 mm, y: -3.67 mm, z: 7.83 mm

Maximum E-field [RMS]:

MAGNITUDE: 27.45 V/m

x: 27.45 V/m, y: 49.77 mV/m, z: 159.79 mV/m

Maximum E-field location relative to DUT:

x: 0.00 m, y: -29.33 mm, z: 500.00 μ m

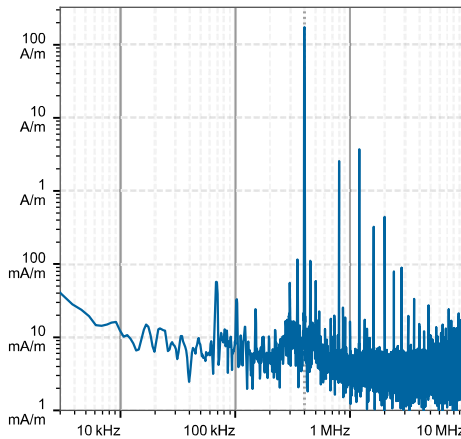
Distance to -20.0 dB boundary:

39.49 mm

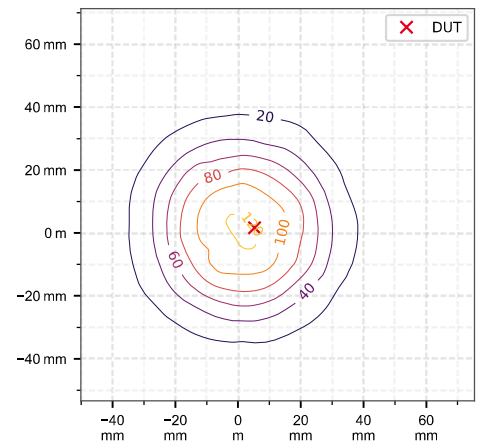
Offset relative to DUT:

x: 0.00 m, y: 0.00 m, z: 500.00 μ m

H-field magnitude [RMS] at maximum location



H-field magnitude [RMS] at lowest plane



Incident fields, and induced quantities in the anatomical model ($f = 400.00$ kHz, $\sigma = 0.750$ S/m, tissue density = $1,000$ kg/m³)

Distance [mm]	Peak incident fields		Peak E_{ind} [V/m, RMS]			Peak J_{ind} [A/m ² , RMS]	psSAR [mW/kg]		H-field extent	Errors		
	H_{inc} [A/m, RMS]	E_{inc} [V/m, RMS]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius [mm]	Sign	Vector potential	Boundary effect
0.5	224.0	NaN	4.12	4.23	4.2	2.67	7.14	3.64	39.9	1%	12%	31%
2.0	203.0	25.7	3.74	3.84	3.81	2.39	5.75	2.96	40.1	1%	12%	34%

Standard compliance evaluation (with multi-frequency enhancement, total field evaluation)

Distance [mm]	ICNIRP 2010/2020 [dB]				ICNIRP 1998 [dB]				IEEE 2019 [dB]				FCC [dB]				HC Code 6 [dB]			
	Peak H_{inc}	Peak E_{inc}	Peak E_{ind}	psSAR	Peak H_{inc}	Peak E_{inc}	Peak J_{ind}	psSAR	Peak H_{inc}	Peak E_{inc}	Peak E_{ind}	psSAR	Peak H_{inc}	Peak E_{inc}	Peak E_{ind}	psSAR	Peak H_{inc}	Peak E_{inc}	Peak E_{ind}	psSAR
0.5	25.3	nan	nan	nan	41.8	nan	nan	nan	7.8	nan	nan	nan	42.8	nan	nan	nan	41.8	nan	nan	nan
2.0	24.4	10.5	-23.1	-28.3	40.9	10.1	9.6	-28.3	7.0	-6.8	-26.8	-28.3	41.9	7.5	-23.1	-24.4	40.9	10.5	-22.9	-24.4

Standard compliance evaluation (coverage factor-adjusted) (with multi-frequency enhancement, total field evaluation)

Distance [mm]	ICNIRP 2010/2020 [dB]				ICNIRP 1998 [dB]				IEEE 2019 [dB]				FCC [dB]				HC Code 6 [dB]			
	Peak H_{inc}	Peak E_{inc}	Peak E_{ind}	psSAR	Peak H_{inc}	Peak E_{inc}	Peak J_{ind}	psSAR	Peak H_{inc}	Peak E_{inc}	Peak E_{ind}	psSAR	Peak H_{inc}	Peak E_{inc}	Peak E_{ind}	psSAR	Peak H_{inc}	Peak E_{inc}	Peak E_{ind}	psSAR
0.5	25.3	nan	nan	nan	41.8	nan	nan	nan	7.8	nan	nan	nan	42.8	nan	nan	nan	41.8	nan	nan	nan
2.0	24.4	10.5	-8.5	-28.3	40.9	10.1	9.6	-28.3	7.0	-6.8	-17.4	-28.3	41.9	7.5	-8.5	-24.4	40.9	10.5	-5.3	-24.4

Coverage factors: $w_{E_{ind}, cube\ avg.} = [5.398, 5.402]$, $w_{E_{ind}, line\ avg.} = [2.956, 2.958]$

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Probe model, serial and calibration date:
MAGPy-8H3D+E3Dv2, WP000201, 2023/06/26

Software version:
2.0.27, backend: 0.9.0

Scan info

Center location:
x: 5.89 mm, y: 1.79 mm, z: 42.01 mm

Dimensions:
x: 125.0 mm, y: 125.0 mm, z: 36.7 mm

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

Completed on:
2023/07/11 10:02:59

Measurement results

Maximum H-field [RMS]:

MAGNITUDE: 71.88 A/m

x: 1.58 A/m, y: 8.80 A/m, z: 71.32 A/m

Maximum H-field location relative to DUT:

x: -3.67 mm, y: -3.67 mm, z: 14.83 mm

Maximum E-field [RMS]:

MAGNITUDE: 18.21 V/m

x: 18.21 V/m, y: 28.65 mV/m, z: 91.29 mV/m

Maximum E-field location relative to DUT:

x: 0.00 m, y: -29.33 mm, z: 7.50 mm

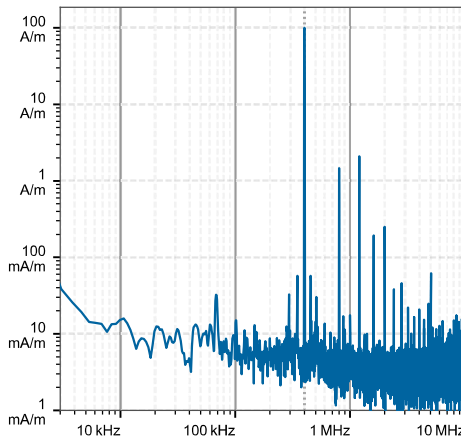
Distance to -20.0 dB boundary:

44.61 mm

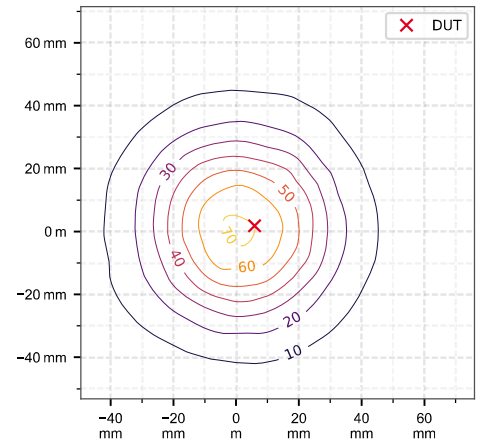
Offset relative to DUT:

x: 0.00 m, y: 0.00 m, z: 7.50 mm

H-field magnitude [RMS] at maximum location



H-field magnitude [RMS] at lowest plane



Incident fields, and induced quantities in the anatomical model (f = 400.00 kHz, σ = 0.750 S/m, tissue density = 1,000 kg/m³)

Distance [mm]	Peak incident fields		Peak E _{ind} [V/m, RMS]			Peak J _{ind} [A/m ² , RMS]	psSAR [mW/kg]		H-field extent	Errors		
	H _{inc} [A/m, RMS]	E _{inc} [V/m, RMS]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius [mm]	Sign	Vector potential	Boundary effect
7.83	123.0	18.1	2.41	2.47	2.45	1.59	2.63	1.49	44.7	1%	9%	49%

Standard compliance evaluation (with multi-frequency enhancement, total field evaluation)

Distance [mm]	ICNIRP 2010/2020 [dB]				ICNIRP 1998 [dB]				IEEE 2019 [dB]				FCC [dB]				HC Code 6 [dB]			
	Peak H _{inc}	Peak E _{inc}	Peak E _{ind}	psSAR	Peak H _{inc}	Peak E _{inc}	Peak J _{ind}	psSAR	Peak H _{inc}	Peak E _{inc}	Peak E _{ind}	psSAR	Peak H _{inc}	Peak E _{inc}	Peak E _{ind}	psSAR	Peak H _{inc}	Peak E _{inc}	Peak E _{ind}	psSAR
7.83	20.0	-1.3	-27.0	-31.3	36.6	-1.7	6.0	-31.3	2.6	-18.7	-30.6	-31.3	37.5	-3.4	-27.0	-27.8	36.6	-1.3	-26.8	-27.8

Standard compliance evaluation (coverage factor-adjusted) (with multi-frequency enhancement, total field evaluation)

Distance [mm]	ICNIRP 2010/2020 [dB]				ICNIRP 1998 [dB]				IEEE 2019 [dB]				FCC [dB]				HC Code 6 [dB]			
	Peak H _{inc}	Peak E _{inc}	Peak E _{ind}	psSAR	Peak H _{inc}	Peak E _{inc}	Peak J _{ind}	psSAR	Peak H _{inc}	Peak E _{inc}	Peak E _{ind}	psSAR	Peak H _{inc}	Peak E _{inc}	Peak E _{ind}	psSAR	Peak H _{inc}	Peak E _{inc}	Peak E _{ind}	psSAR
7.83	20.0	-1.3	-12.2	-31.3	36.6	-1.7	6.0	-31.3	2.6	-18.7	-21.2	-31.3	37.5	-3.4	-12.2	-27.8	36.6	-1.3	-9.0	-27.8

Coverage factors: $w_{E_{ind}, cube\ avg.} = [5.471]$, $w_{E_{ind}, line\ avg.} = [2.987]$