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: 2.88 mm, **y:** 850.00 µm, **z:** 35.15 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:
2023/07/10 10:08:52

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 126.02 A/m
x: 3.25 A/m, **y:** 27.66 A/m, **z:** 122.90 A/m

Maximum H-field location relative to DUT:
x: -3.67 mm, **y:** -3.67 mm, **z:** 7.83 mm

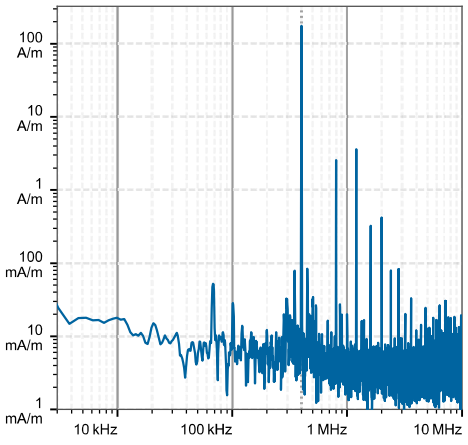
Maximum E-field [RMS]:
MAGNITUDE: 27.60 V/m
x: 27.60 V/m, **y:** 50.63 mV/m, **z:** 159.11 mV/m

Maximum E-field location relative to DUT:
x: 0.00 m, **y:** -29.33 mm, **z:** 500.00 µm

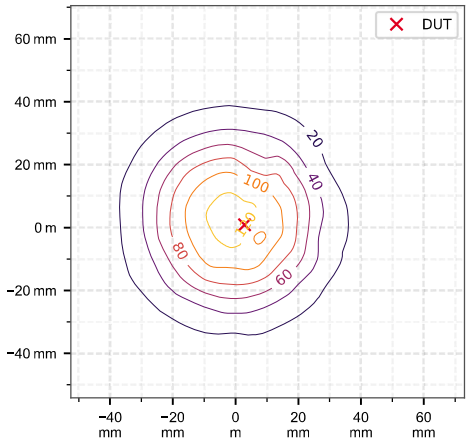
Distance to -20.0 dB boundary:
36.67 mm

Offset relative to DUT:
x: 0.00 m, **y:** 0.00 m, **z:** 500.00 µm

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/m^3)

Distance [mm]	Peak incident fields: H_{inc} [A/m, RMS]	Peak incident fields: E_{inc} [V/m, RMS]	Peak E_{ind} [V/m, RMS]: Cube avg.	Peak E_{ind} [V/m, RMS]: Local	Peak E_{ind} [V/m, RMS]: Line avg.	Peak J_{ind} [A/m^2, RMS]: Surface avg.	psSAR [mW/kg]: 1g avg.	psSAR [mW/kg]: 10g avg.	H-field extent: -20 dB radius [mm]	Errors: Sign	Errors: Vector potential	Errors: Boundary effect
0.5	234.0	NaN	4.22	4.33	4.3	2.72	7.47	3.77	39.4	1%	10%	28%
2.0	212.0	25.9	3.83	3.94	3.9	2.44	6.02	3.07	39.6	1%	10%	31%

Standard compliance evaluation

(with multi-frequency enhancement, total field evaluation)

Distance [mm]	ICNIRP 2010/2020 [dB] RL: Peak H_{inc}	RL: Peak E_{inc}	BR: Peak E_{ind}	BR: psSAR	ICNIRP 1998 [dB] RL: Peak H_{inc}	RL: Peak E_{inc}	BR: Peak J_{ind}	BR: psSAR	IEEE 2019 [dB] RL: Peak H_{inc}	RL: Peak E_{inc}	BR: Peak E_{ind}	BR: psSAR	FCC [dB] RL: Peak H_{inc}	RL: Peak E_{inc}	BR: Peak E_{ind}	BR: psSAR	HC Code 6 [dB] RL: Peak H_{inc}	RL: Peak E_{inc}	BR: Peak E_{ind}	BR: psSAR
0.5	**25.6**	nan	nan	nan	**42.2**	nan	nan	nan	**8.2**	nan	nan	nan	**43.1**	nan	nan	nan	**42.2**	nan	nan	nan
2.0	**24.8**	-10.1	-23.0	-28.1	**41.3**	-10.5	**9.7**	-28.1	**7.3**	-27.5	-26.6	-28.1	**42.3**	-27.5	-23.0	-24.2	**41.3**	-10.1	-22.7	-24.2

Standard compliance evaluation (coverage factor-adjusted)

(with multi-frequency enhancement, total field evaluation)

Distance [mm]	ICNIRP 2010/2020 [dB] RL: Peak H_{inc}	RL: Peak E_{inc}	BR: Peak E_{ind}	BR: psSAR	ICNIRP 1998 [dB] RL: Peak H_{inc}	RL: Peak E_{inc}	BR: Peak J_{ind}	BR: psSAR	IEEE 2019 [dB] RL: Peak H_{inc}	RL: Peak E_{inc}	BR: Peak E_{ind}	BR: psSAR	FCC [dB] RL: Peak H_{inc}	RL: Peak E_{inc}	BR: Peak E_{ind}	BR: psSAR	HC Code 6 [dB] RL: Peak H_{inc}	RL: Peak E_{inc}	BR: Peak E_{ind}	BR: psSAR
0.5	**25.6**	nan	nan	nan	**42.2**	nan	nan	nan	**8.2**	nan	nan	nan	**43.1**	nan	nan	nan	**42.2**	nan	nan	nan
2.0	**24.8**	-10.1	-8.3	-28.1	**41.3**	-10.5	**9.7**	-28.1	**7.3**	-27.5	-17.2	-28.1	**42.3**	-27.5	-8.3	-24.2	**41.3**	-10.1	-5.1	-24.2

Coverage factors: $w_{E_{ind,\ cube\ avg.}}$ = [5.390, 5.395], $w_{E_{ind,\ line\ avg.}}$ = [2.953, 2.955]

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Tool info

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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: 3.36 mm, **Y:** 1.00 mm, **Z:** 41.75 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:
2023/07/10 10:54:58

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 72.85 A/m
X: 7.32 A/m, **Y:** 10.08 A/m, **Z:** 71.78 A/m

Maximum H-field location relative to DUT:
X: -3.67 mm, **Y:** -3.67 mm, **Z:** 14.33 mm

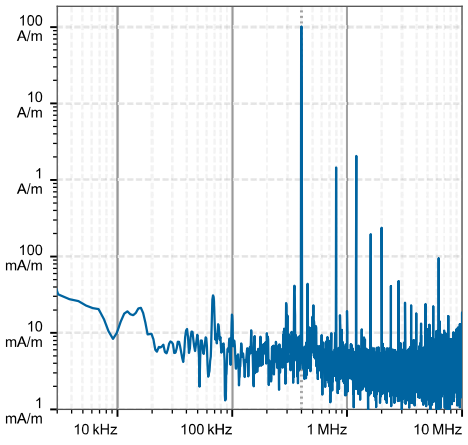
Maximum E-field [RMS]:
MAGNITUDE: 19.18 V/m
X: 19.18 V/m, **Y:** 32.89 mV/m, **Z:** 99.64 mV/m

Maximum E-field location relative to DUT:
X: 0.00 m, **Y:** -29.33 mm, **Z:** 7.00 mm

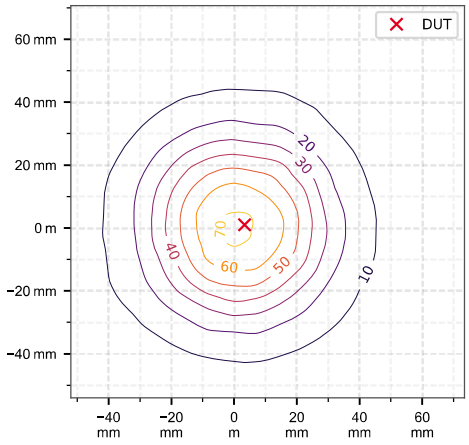
Distance to -20.0 dB boundary:
44.61 mm

Offset relative to DUT:
X: 0.00 m, **Y:** 0.00 m, **Z:** 7.00 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/m^3)

Distance [mm]	Peak incident fields: H_{inc} [A/m, RMS]	Peak incident fields: E_{inc} [V/m, RMS]	Peak E_{ind} [V/m, RMS]: Cube avg.	Peak E_{ind} [V/m, RMS]: Local	Peak E_{ind} [V/m, RMS]: Line avg.	Peak J_{ind} [A/m^2, RMS]: Surface avg.	psSAR [mW/kg]: 1g avg.	psSAR [mW/kg]: 10g avg.	H-field extent: -20 dB radius [mm]	Errors: Sign	Errors: Vector potential	Errors: Boundary effect
7.83	122.0	18.6	2.36	2.41	2.4	1.55	2.49	1.38	44.6	1%	8%	44%

Standard compliance evaluation

(with multi-frequency enhancement, total field evaluation)

Distance [mm]	ICNIRP 2010/2020 [dB] RL: Peak H_{inc}	RL: Peak E_{inc}	BR: Peak E_{ind}	BR: psSAR	ICNIRP 1998 [dB] RL: Peak H_{inc}	RL: Peak E_{inc}	BR: Peak J_{ind}	BR: psSAR	IEEE 2019 [dB] RL: Peak H_{inc}	RL: Peak E_{inc}	BR: Peak E_{ind}	BR: psSAR	FCC [dB] RL: Peak H_{inc}	RL: Peak E_{inc}	BR: Peak E_{ind}	BR: psSAR	HC Code 6 [dB] RL: Peak H_{inc}	RL: Peak E_{inc}	BR: Peak E_{ind}	BR: psSAR
7.83	**19.9**	**16.5**	-27.0	-31.6	**36.5**	**16.1**	**6.0**	-31.6	**2.5**	-0.9	-30.6	-31.6	**37.5**	**16.2**	-27.0	-28.1	**36.5**	**16.5**	-26.8	-28.1

Standard compliance evaluation (coverage factor-adjusted)

(with multi-frequency enhancement, total field evaluation)

Distance [mm]	ICNIRP 2010/2020 [dB] RL: Peak H_{inc}	RL: Peak E_{inc}	BR: Peak E_{ind}	BR: psSAR	ICNIRP 1998 [dB] RL: Peak H_{inc}	RL: Peak E_{inc}	BR: Peak J_{ind}	BR: psSAR	IEEE 2019 [dB] RL: Peak H_{inc}	RL: Peak E_{inc}	BR: Peak E_{ind}	BR: psSAR	FCC [dB] RL: Peak H_{inc}	RL: Peak E_{inc}	BR: Peak E_{ind}	BR: psSAR	HC Code 6 [dB] RL: Peak H_{inc}	RL: Peak E_{inc}	BR: Peak E_{ind}	BR: psSAR
7.83	**19.9**	**16.5**	-12.4	-31.6	**36.5**	**16.1**	**6.0**	-31.6	**2.5**	-0.9	-21.3	-31.6	**37.5**	**16.2**	-12.4	-28.1	**36.5**	**16.5**	-9.2	-28.1

Coverage factors: $w_{E_{ind,\ cube\ avg.}}$ = [5.469], $w_{E_{ind,\ line\ avg.}}$ = [2.987]