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 2.4.0.4346

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000107, *2023/08/23*

Software version:
2.0.49, *backend:* 2.2.3

Scan info

Center location:
X: -31.50 mm, Y: 170.00 mm, Z: 52.04 mm

Dimensions:
X: 169.0 mm, Y: 169.0 mm, Z: 36.7 mm

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

Completed on:
2024/05/08 10:14:38

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 123.77 A/m
X: 22.40 A/m, Y: 17.89 A/m, Z: 120.41 A/m

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

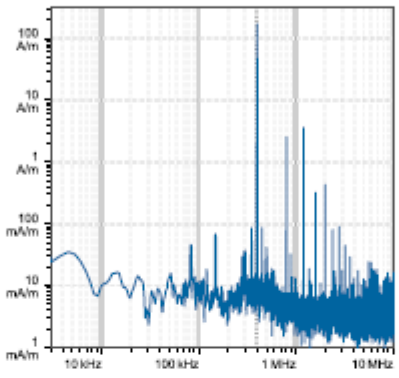
Maximum E-field [RMS]:
MAGNITUDE: 44.13 V/m
X: 11.11 V/m, Y: 4.00 V/m, Z: 42.52 V/m

Maximum E-field location relative to DUT:
X: -29.33 mm, Y: 14.67 mm, Z: 1.00 mm

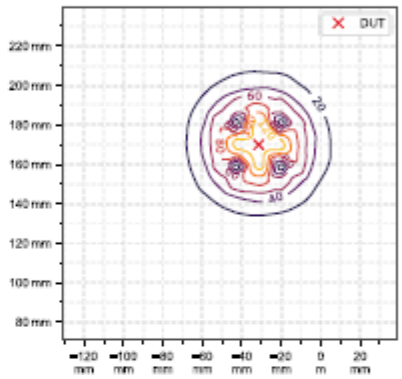
Distance to -20.0 dB boundary:
39.49 mm

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 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 [RMS]		Peak E_{ind} [V/m, RMS]			Peak J_{ind} [A/m², RMS]	psSAR [mW/kg]		H-field extent	Errors		
	H_{inc} [A/m]	E_{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius [mm]	Sign	Vector potential	Boundary effect
2.0	215.0	40.9	3.3	3.4	3.41	2.04	4.11	2.17	39.9	1%	33%	24%
5.0	171.0	31.3	2.49	2.57	2.56	1.61	2.65	1.44	40.7	1%	33%	24%

Standard compliance evaluation, Absolute

(with multi-frequency enhancement, total field evaluation)

Distance [mm]	ICNIRP 2010/2020 RL [RMS]				ICNIRP 1998 RL [RMS]				ICNIRP 1998 BR [RMS]				IEEE 2019 ERL [RMS]				IEEE 2019 DRL [RMS]			
	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/m²]	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]
2.0	215.0	3,757	3.3	2.17	215.0	3,757	2.04	2.17	215.0	3,757	3.42	2.17	215.0	3,757	3.42	2.17	215.0	3,757	3.42	2.17
5.0	171.0	2,874	2.49	1.44	171.0	2,874	1.62	1.44	171.0	2,874	2.56	1.44	171.0	2,874	2.56	1.44	171.0	2,874	2.56	1.44

Distance [mm]	FCC MPE [RMS]		FCC BR [RMS]		HC Code 6 RL [RMS]				HC Code 6 BR [RMS]			
	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]
2.0	215.0	8,908	N/A	4.11	215.0	3,757	3.41	4.11				
5.0	171.0	6,813	N/A	2.65	171.0	2,874	2.58	2.65				

Standard compliance evaluation, Relative

(with multi-frequency enhancement, total field evaluation)

Distance [mm]	ICNIRP 2010/2020 [dB] RL				ICNIRP 1998 [dB] RL				ICNIRP 1998 [dB] BR				IEEE 2019 [dB] ERL				IEEE 2019 [dB] DRL			
	pH_{inc}	pE_{inc}	pE_{ind}	psSAR	pH_{inc}	pE_{inc}	pJ_{ind}	psSAR	pH_{inc}	pE_{inc}	pJ_{ind}	psSAR	pH_{inc}	pE_{inc}	pE_{ind}	psSAR	pH_{inc}	pE_{inc}	pE_{ind}	psSAR
2.0	24.9	33.1	-23.2	-29.7	41.4	32.7	9.4	-29.7	7.5	15.7	-26.8	-29.7	N/A	N/A	N/A	-25.9	41.4	33.1	-23.0	-25.9
5.0	22.9	30.8	-25.7	-31.4	39.4	30.4	7.3	-31.4	5.5	13.4	-29.3	-31.4	N/A	N/A	N/A	-27.8	39.4	30.8	-25.4	-27.8

Distance [mm]	HC Code 6 [dB] RL				HC Code 6 [dB] BR			
	pH_{inc}	pE_{inc}	pE_{ind}	psSAR	pH_{inc}	pE_{inc}	pE_{ind}	psSAR
2.0	41.4	33.1	-23.0	-25.9				
5.0	39.4	30.8	-25.4	-27.8				

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