cDASY6 Module WPT Measurement Report

Device under test

Info:
50/400 Source

Serial number:
1028

Scenario:
400 kHz Source

Tool info

DASY software version:
cDASY6 Module WPT 2.6.0.5002

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000248, *2024/08/20*

Software version:
2.0.63, *backend: 2.2.22*

Scan info

Center location:
x: 8.20 mm, y: 56.26 mm, z: 36.31 mm

Dimensions:
x: 124.7 mm, y: 124.7 mm, z: 36.7 mm

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

Completed on:
2025/02/04 08:55:56

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 124.81 A/m
x: 26.84 A/m, y: 14.66 A/m, z: 121.00 A/m

Maximum H-field location relative to DUT:
x: 3.67 mm, y: 3.67 mm, z: 8.50 mm

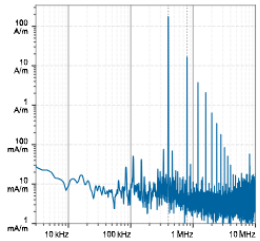
Maximum E-field [rms]:
MAGNITUDE: 48.89 V/m
x: 150.05 mV/m, y: 1.06 V/m, z: 48.88 V/m

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

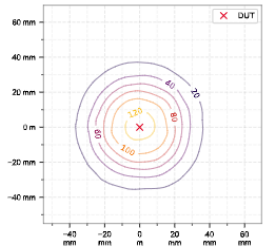
Distance to -20.0 dB boundary:
39.49 mm

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 fields in the homogeous phantom at the peak frequency

(f = 400.00 kHz, σ = 0.750 S/m, tissue density = 1,000 kg/m³)

	Peak incident fields [rms]		Peak E_{ind} [V/m, rms]			Peak J_{inc} [A/m², rms]	psSAR [mW/kg]		H-field extent	Warnings		
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]	Sign	Vector potential	Boundary effect
0.00	253	48.9	4.04	4.15	4.14	2.58	6.58	3.33	39.4	6%	7%	26%
2.00	222	45.1	3.49	3.59	3.59	2.20	4.83	2.49	39.6	6%	7%	29%

Compliance evaluation (Field values at the peak frequency)

(f=400.00 kHz, total field evaluation)

	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/m²]	[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	253	48.9	4.04	3.33	253	48.9	2.58	3.33	253	48.9	4.14	3.33	253	48.9	N/A	6.58	253	48.9	4.15	6.58
2.00	222	45.1	3.50	2.49	222	45.1	2.21	2.49	222	45.1	3.60	2.49	222	45.1	N/A	4.83	222	45.1	3.60	4.83

Compliance evaluation (Exposure ratios)

(with multi-frequency enhancement, total field 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	13.2	21.3	145.0	33.5	0.11	<0.01	143.0	272.0	4.79	<0.01	1.7	2.87	19.6	107.0	0.07	<0.01	156.0	148.0	N/A	<0.01	3.07	143.0	145.0	398.0	0.11	<0.01
2.00	11.6	18.8	134.0	30.9	0.09	<0.01	126.0	250.0	4.18	<0.01	1.49	2.53	18.1	98.8	0.06	<0.01	137.0	136.0	N/A	<0.01	2.7	126.0	134.0	367.0	0.10	<0.01

Plot No. 1

cDASY6 Module WPT Measurement Report

Device under test

Info:
V-COIL 50/400

Serial number:
1028

Scenario:
System Check

Tool info

DASY software version:
cDASY6 Module WPT 2.6.0.5002

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000248, *2024/08/20*

Software version:
2.0.63, *backend: 2.2.22*

Scan info

Center location:
x: 1.00 mm, y: -65.45 mm, z: 36.60 mm

Dimensions:
x: 124.7 mm, y: 124.2 mm, z: 36.7 mm

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

Completed on:
2025/02/27 22:06:01

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 119.96 A/m
x: 25.31 A/m, y: 14.35 A/m, z: 116.38 A/m

Maximum H-field location relative to DUT:
x: 3.67 mm, y: 3.67 mm, z: 8.50 mm

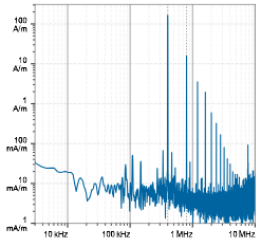
Maximum E-field [RMS]:
MAGNITUDE: 49.12 V/m
x: 22.27 V/m, y: 11.00 V/m, z: 42.37 V/m

Maximum E-field location relative to DUT:
x: 7.33 mm, y: -29.33 mm, z: 0.00 m

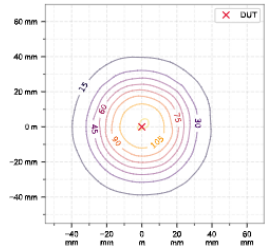
Distance to -20.0 dB boundary:
39.49 mm

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 fields in the homogeous phantom at the peak frequency

(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	Warnings		
	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
0.00	238	49.1	3.87	3.97	3.96	2.46	6.02	3.08	39.7	1%	7%	26%
2.00	210	45.7	3.34	3.44	3.44	2.11	4.44	2.31	40.0	1%	7%	30%

Compliance evaluation (Field values at the peak frequency)

(f=400.00 kHz, total field evaluation)

Distance [mm]	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]	
	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]
0.00	238	49.1	3.87	3.08	238	49.1	2.47	3.08	238	49.1	3.97	3.08	238	49.1	N/A	6.02	238	49.1	3.97	6.02
2.00	210	45.7	3.35	2.31	210	45.7	2.11	2.31	210	45.7	3.44	2.31	210	45.7	N/A	4.44	210	45.7	3.45	4.44

Compliance evaluation (Exposure ratios)

(with multi-frequency enhancement, total field evaluation)

Distance [mm]	ICNIRP 2010/2020						ICNIRP 1998						IEEE 2019						FCC						HC Code 6					
	RL				BR		RL			BR			ERL				DRL		MPE		BR		RL				BR			
	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	NS	TH	N/A	N/A	N/A	TH	NS	TH	NS	TH	NS	TH		
0.00	12.4	20.1	89.7	12.8	0.09	<0.01	135.0	138.0	4.15	<0.01	1.6	2.71	12.1	40.5	0.06	<0.01	147.0	70.6	N/A	<0.01	2.89	135.0	89.7	152.0	0.10	<0.01		
2.00	10.9	17.7	83.4	11.9	0.08	<0.01	119.0	128.0	3.61	<0.01	1.41	2.38	11.3	37.7	0.05	<0.01	130.0	65.7	N/A	<0.01	2.55	119.0	83.4	142.0	0.08	<0.01		

Plot No. 2