

Annex E System Check
Tested Model : X6879
Report Number: WSCT-ANAB-R&E250900074A1

cDASY6 Module WPT Measurement Report

Device under test

Info:
SYS CHECK 85KHz

Serial number:
not set

Scenario:
not set

Tool info

DASY software version:
cDASY6 Module WPT 2.8.0.5184

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000270, 2026/02/12

Software version:
2.8.8, backend: 2.2.36

Scan info

Center location:
x: -6.58 mm, y: 28.19 mm, z: 48.24 mm

Dimensions:
x: 389.0 mm, y: 477.0 mm, z: 36.7 mm

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

Completed on:
2026/04/10 14:32:39

Measurement results

Maximum H-field [RMS]:

MAGNITUDE: 138.28 A/m

x: 100.88 A/m, y: 69.19 A/m, z: 64.48 A/m

Maximum H-field location relative to DUT:

x: 69.67 mm, y: 121.00 mm, z: 8.50 mm

Maximum E-field [RMS]:

MAGNITUDE: 166.37 V/m

x: 895.06 mV/m, y: 2.76 V/m, z: 166.35 V/m

Maximum E-field location relative to DUT:

x: 95.33 mm, y: -88.00 mm, z: 0.00 m

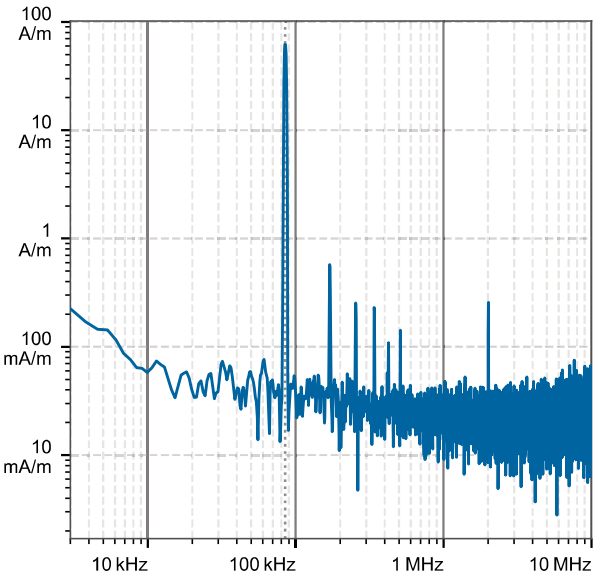
Distance to -20.0 dB boundary:

67.61 mm

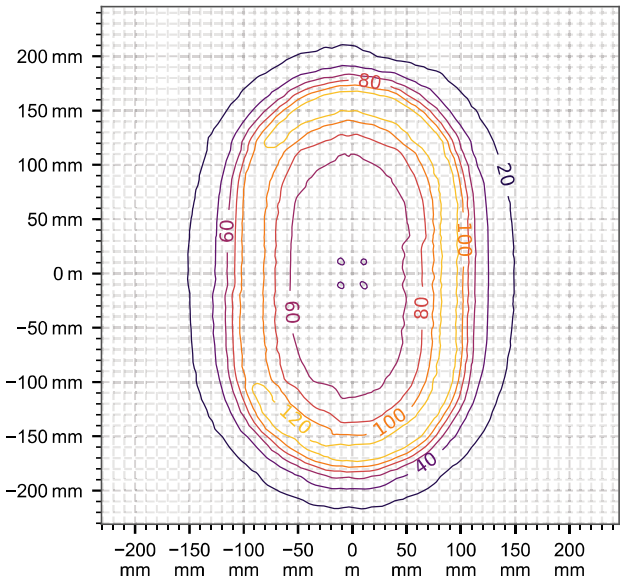
Offset relative to DUT:

x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [RMS] at center location



H-field magnitude [RMS] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency (f = 85.00 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} $[A/m^2, RMS]$	psSAR $[mW/kg]$		H-field extent	Sign	Vector potential	Warnings
	H_{inc} $[A/m]$	E_{inc} $[V/m]$	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius [mm]			Boundary effect
0.00	214	166	3.36	3.40	3.40	2.36	6.49	4.77	182	2%	90%	38%
2.00	195	150	3.16	3.19	3.20	2.22	5.78	4.31	185	2%	90%	40%

Compliance evaluation (Field values at the peak frequency) (f=85.00 kHz, total field evaluation, coverage evaluation)

Distance	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	214	166	25.3	4.77	214	166	2.36	4.77	214	166	13.2	4.77	214	166	N/A	6.49	214	166	36.2	6.49
2.00	195	150	23.9	4.31	195	150	2.22	4.31	195	150	12.5	4.31	195	150	N/A	5.78	195	150	34.2	5.78

Coverage factors: w_{E_{ind}, cube avg.} = [7.54, 7.57], w_{E_{ind}, local} = [10.65, 10.70], w_{E_{ind}, line avg.} = [3.87, 3.89]

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation, coverage evaluation, ratios in dB)

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	N/A	N/A	N/A	TH	NS	TH	NS	TH	NS	TH
0.00	20.1	N/A	14.3	N/A	6.88	N/A	32.6	13.9	22.9	N/A	2.35	N/A	-3.08	N/A	-2.59	N/A	7.5	9.41	N/A	N/A	7.5	N/A	14.3	N/A	9.97	N/A
2.00	19.3	N/A	13.4	N/A	6.39	N/A	31.8	13.0	22.3	N/A	1.54	N/A	-3.97	N/A	-3.09	N/A	6.69	8.53	N/A	N/A	6.69	N/A	13.4	N/A	9.48	N/A

Coverage factors: $w_{E_{ind, cube\ avg.}} = [7.54, 7.57]$, $w_{E_{ind, local}} = [10.65, 10.70]$, $w_{E_{ind, line\ avg.}} = [3.87, 3.89]$

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DASY software version:
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Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000270, 2026/02/12

Software version:
2.8.8, backend: 2.2.36

Scan info

Center location:
x: 35.09 mm, y: 40.79 mm, z: 46.14 mm

Dimensions:
x: 124.9 mm, y: 124.2 mm, z: 36.7 mm

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

Completed on:
2026/04/10 16:31:50

Measurement results

Maximum H-field [RMS]:

MAGNITUDE: 132.66 A/m

x: 3.80 A/m, y: 25.99 A/m, z: 130.04 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: 54.70 V/m

x: 24.20 V/m, y: 10.41 V/m, z: 47.94 V/m

Maximum E-field location relative to DUT:

x: 7.33 mm, y: -29.33 mm, z: 0.00 mm

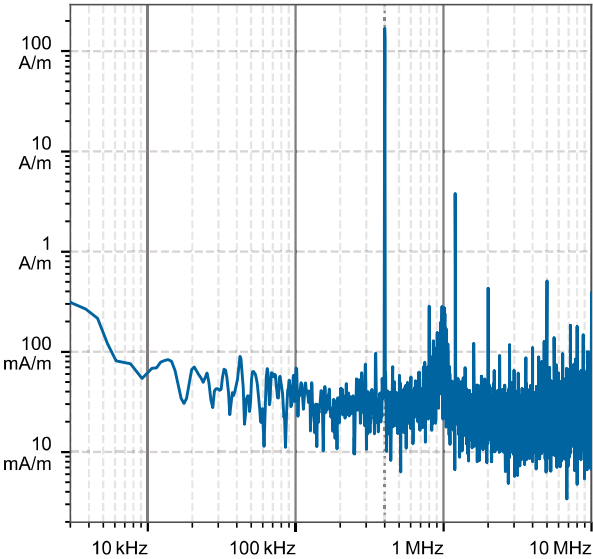
Distance to -20.0 dB boundary:

36.67 mm

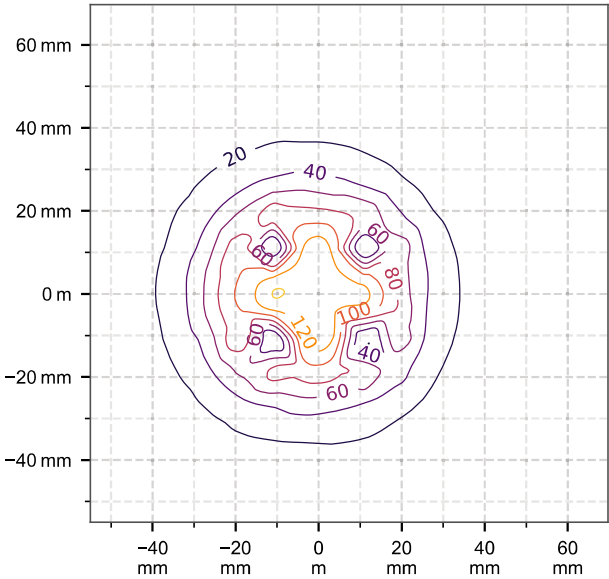
Offset relative to DUT:

x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [RMS] at center location



H-field magnitude [RMS] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency (f = 400.00 kHz, σ = 0.750 S/m, tissue density = 1,000 kg/m³)

	Peak incident fields <i>[RMS]</i>		Peak E_{ind} <i>[V/m, RMS]</i>			Peak J_{ind} <i>[A/m², RMS]</i>		psSAR <i>[mW/kg]</i>		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	259	54.7	4.21	4.35	4.34	2.59	6.49	3.28	39.3	1%	35%	35%	
2.00	228	50.7	3.54	3.65	3.66	2.19	4.77	2.47	39.5	1%	35%	35%	

Compliance evaluation (Field values at the peak frequency) (f=400.00 kHz, total field evaluation, coverage 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}	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
0.00	259	54.7	22.7	3.28	259	54.7	2.60	3.28	259	54.7	12.8	3.28	259	54.7	N/A	6.49	259	54.7	33.1	6.49
2.00	228	50.7	19.1	2.47	228	50.7	2.20	2.47	228	50.7	10.8	2.47	228	50.7	N/A	4.77	228	50.7	27.8	4.77

Coverage factors: wE_{ind, cube avg.} = [5.39, 5.39], wE_{ind, local} = [7.61, 7.62], wE_{ind, line avg.} = [2.95, 2.95]

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation, coverage evaluation, ratios in dB)

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		
	0.00	21.8	26.5	44.5	29.0	-6.95	-27.8	43.1	48.8	13.5	-27.8	4.04	9.1	27.1	37.3	-15.3	-27.8	44.0	39.0	N/A	-23.9	9.2	43.1	44.5	N/A	-3.85
2.00	20.7	25.4	43.8	28.3	-8.39	-29.1	41.9	48.1	12.3	-29.1	2.93	7.99	26.5	36.6	-16.7	-29.1	42.9	38.3	N/A	-25.2	8.09	41.9	43.8	N/A	-5.32	-25.2

Coverage factors: $w_{E_{ind, cube\ avg.}} = [5.39, 5.39]$, $w_{E_{ind, local}} = [7.61, 7.62]$, $w_{E_{ind, line\ avg.}} = [2.95, 2.95]$