

APPENDIX A: RF EXPOSURE TEST PLOTS

Plot A-1 Verification Test Data

cDASY6 Module WPT Measurement Report

Device under test

Info:
400kHz Verification

Serial number:
1012

Scenario:
400kHz Verification

Tool info

DASY software version:
cDASY6 Module WPT 2.8.0.5184

Probe model, serial no, and configuration date:
MAGPy-8H3D+E3Dv2, WP000210, 2025/06/13

Software version:
2.8.8, backend: 2.2.36

Scan info

Center location:
x: 37.25 mm, y: -164.97 mm, z: 45.82 mm

Dimensions:
x: 124.7 mm, y: 125.0 mm, z: 36.7 mm

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

Completed on:
2025/07/11 10:18:36

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 149.33 A/m
x: 18.96 A/m, y: 24.07 A/m, z: 146.15 A/m

Maximum H-field location relative to DUT:
x: -3.63 mm, y: 3.70 mm, z: 8.50 mm

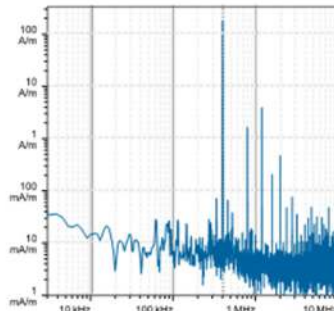
Maximum E-field [RMS]:
MAGNITUDE: 48.62 V/m
x: 23.54 V/m, y: 11.61 V/m, z: 40.93 V/m

Maximum E-field location relative to DUT:
x: 33.33 μ m, y: -36.63 mm, z: 0.00 m

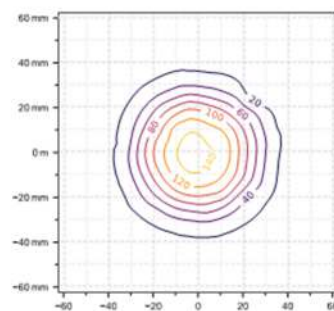
Distance to -20.0 dB boundary:
36.67 mm

Offset relative to DUT:
x: 36.70 mm, y: 36.70 mm, 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, $\sigma = 0.750$ 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		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	
0.00	288	48.6	4.68	4.80	4.81	2.96	8.57	4.22	39.2	7%	10%	18%
2.00	254	45.6	4.02	4.13	4.15	2.51	6.22	3.11	39.3	7%	10%	20%

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/m ²]	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	288	48.6	4.68	4.22	288	48.6	2.97	4.22	288	48.6	4.81	4.22	288	48.6	N/A	8.57	288	48.6	4.80	8.57
2.00	254	45.6	4.03	3.11	254	45.6	2.51	3.11	254	45.6	4.15	3.11	254	45.6	N/A	6.22	254	45.6	4.14	6.22

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
0.00	NS	TH	NS	TH	NS	TH	N/A	N/A	NS	TH	NS	TH	NS	TH	N/A	N/A	NS	TH	NS	TH
0.00	13.7	23.5	140.0	29.9	0.11	<0.01	158.0	259.0	4.93	<0.01	1.77	3.16	19.0	94.6	0.07	<0.01	177.0	134.0	N/A	<0.01
2.00	12.1	20.8	132.0	28.0	0.10	<0.01	139.0	243.0	4.29	<0.01	1.56	2.8	17.8	88.7	0.06	<0.01	156.0	126.0	N/A	<0.01

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FCC ID: A3LSMX736B	 DIGITIZER RF EXPOSURE EVALUATION REPORT	Reviewed by: Technical Manager
Test Dates: 7/10/2025 – 7/11/2025	Apparatus/Device: Portable Computing Device	APPENDIX A: Page 1 of 2

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Plot A-2 Worst Case Test Data

cDASY6 Module WPT Measurement Report

Device under test	Tool info	Scan info
Info: SM-X736B	DASY software version: cDASY6 Module WPT 2.8.0.5184	Center location: x: 54.16 mm, y: -163.67 mm, z: 17.21 mm
Serial number: 1037M	Probe model, serial no. and configuration date: MAGPy-8H3D+E3Dv2, WP000210, 2025/06/13	Dimensions: x: 301.0 mm, y: 169.0 mm, z: 36.7 mm
Scenario: Digitizer Front Side	Software version: 2.8.8, backend: 2.2.36	Resolution: x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
		Completed on: 2025/07/10 12:24:41

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 1.55 A/m
x: 27.24 mA/m, y: 1.45 A/m, z: 538.63 mA/m

Maximum H-field location relative to DUT:
x: -121.00 mm, y: -18.33 mm, z: 8.50 mm

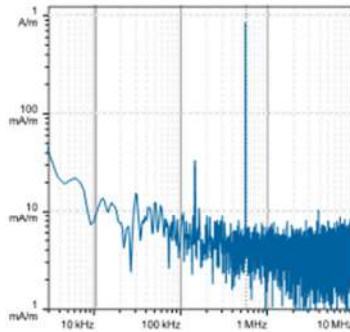
Maximum E-field [RMS]:
MAGNITUDE: 453.22 mV/m
x: 413.00 mV/m, y: 175.62 mV/m, z: 63.24 mV/m

Maximum E-field location relative to DUT:
x: -73.33 mm, y: -44.00 mm, z: 0.00 mm

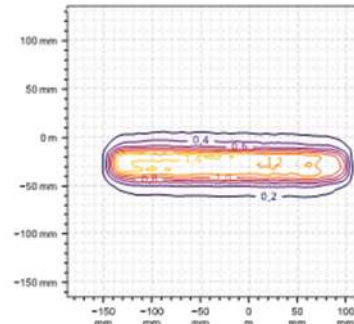
Distance to -20.0 dB boundary:
29.33 mm

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 ($f = 562.50$ kHz, $\sigma = 0.750$ 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		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	3.97	0.453	0.0826	0.091	0.0889	0.0432		2.52e-3	1.15e-3	69.7		3%	293%	90%
2.00	3.37	0.428	0.0709	0.0780	0.0733	0.0351		1.77e-3	7.6e-4	70.1		3%	293%	84%

Compliance evaluation (Field values at the peak frequency) ($f = 562.50$ kHz, total field evaluation, coverage evaluation)

Distance [mm]	ICNIRP 2010/2020					ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	H_{inc}	E_{inc}	E_{ind}	psSAR	BR	H_{inc}	E_{inc}	J_{ind}	psSAR	H_{inc}	E_{inc}	E_{ind}	psSAR	H_{inc}	E_{inc}	E_{ind}	psSAR	H_{inc}	E_{inc}	E_{ind}	psSAR
0.00	3.97	0.453	0.483	1.15e-3		3.97	0.453	0.0433	1.15e-3	3.97	0.453	0.28	1.15e-3	3.97	0.453	N/A	2.52e-3	3.97	0.453	0.751	2.52e-3
2.00	3.37	0.428	0.415	7.6e-4		3.37	0.428	0.0352	7.6e-4	3.37	0.428	0.231	7.6e-4	3.37	0.428	N/A	1.77e-3	3.37	0.428	0.645	1.77e-3

Coverage factors: $w_{E_{inc}, side avg.} = [5.85, 5.85]$, $w_{E_{ind}, local} = [8.26, 8.27]$, $w_{E_{ind}, line avg.} = [2.15, 3.15]$

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

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6									
	RL		BR		RL		BR		ERL		DRL		MPE		BR		RL		BR							
	$P_{H_{inc}}$	$P_{E_{inc}}$	$P_{E_{ind}}$	psSAR	$P_{H_{inc}}$	$P_{E_{inc}}$	$P_{J_{ind}}$	psSAR	$P_{H_{inc}}$	$P_{E_{inc}}$	$P_{E_{ind}}$	psSAR	$P_{H_{inc}}$	$P_{E_{inc}}$	$P_{E_{ind}}$	psSAR	$P_{H_{inc}}$	$P_{E_{inc}}$	$P_{E_{ind}}$	psSAR						
	NS	TH	NS	TH	NS	TH	N/A	N/A	N/A	NS	TH	NS	TH	N/A	N/A	N/A	NS	TH	NS	TH						
0.00	0.19	0.46	59.5	>999	0.02	<0.01	3.06	57.8	0.56	<0.01	0.02	0.06	8.05	>999	<0.01	<0.01	2.43	22.6	N/A	<0.01	0.04	3.06	59.5	N/A	0.02	<0.01
2.00	0.16	0.39	56.2	>999	0.02	<0.01	2.59	54.6	0.52	<0.01	0.02	0.05	7.6	>999	<0.01	<0.01	2.06	21.3	N/A	<0.01	0.04	2.59	56.2	N/A	0.02	<0.01

Coverage factors: $w_{E_{inc}, side avg.} = [5.85, 5.85]$, $w_{E_{ind}, local} = [8.26, 8.27]$, $w_{E_{ind}, line avg.} = [2.15, 3.15]$

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