

APPENDIX A: RF EXPOSURE TEST PLOTS

Plot A-1 Verification Test Data

cDASY6 Module WPT Measurement Report

Device under test	Tool info	Scan info
Info: 400kHz Verification	DASY software version: cDASY6 Module WPT 2.8.0.5184	Center location: x: 32.38 mm, y: -139.74 mm, z: 45.93 mm
Serial number: 1030	Probe model, serial no, and configuration date: MAGPy-8H3D+E3Dv2, WP000261, 2024/08/14	Dimensions: x: 124.6 mm, y: 125.0 mm, z: 36.7 mm
Scenario: 400kHz Verification	Software version: 2.8.8, backend: 2.2.36	Resolution: x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
		Completed on: 2025/06/24 12:18:12

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 140.14 A/m
x: 21.00 A/m, y: 27.73 A/m, z: 135.76 A/m

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

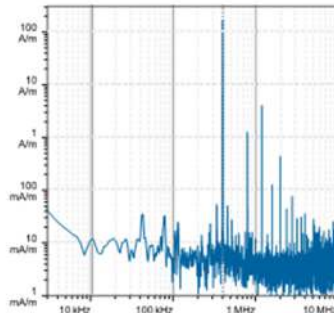
Maximum E-field [RMS]:
MAGNITUDE: 44.00 V/m
x: 20.71 V/m, y: 9.82 V/m, z: 37.56 V/m

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

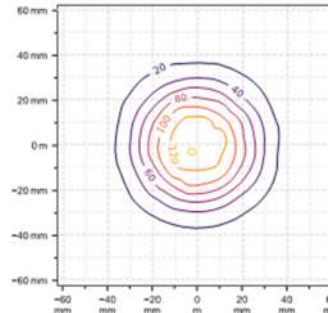
Distance to -20.0 dB boundary:
36.67 mm

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 [m]	Sign	Vector potential	Warnings Boundary effect
	H _{inc} [A/m]	E _{inc} [V/m]	Cube avg.	Local	Line avg.		1g avg.	10g avg.				
0.00	271	44.0	4.37	4.48	4.49	2.76	7.42	3.65	39.2	1%	9%	18%
2.00	238	41.4	3.76	3.87	3.88	2.34	5.38	2.69	39.4	1%	9%	20%

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			
	PH _{inc}	PE _{inc}	PE _{ind}	psSAR	PH _{inc}	PE _{inc}	PE _{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	271	44.0	23.5	3.65	271	44.0	2.76	3.65	271	44.0	13.3	3.65	271	44.0	N/A	7.42	271	44.0	34.1	7.42
2.00	238	41.4	20.3	2.69	238	41.4	2.34	2.69	238	41.4	11.5	2.69	238	41.4	N/A	5.38	238	41.4	29.4	5.38

Coverage factors: $w_{E_{ind, cube avg.}} = [3.38, 5.39]$, $w_{E_{ind, local}} = [7.61, 7.61]$, $w_{E_{ind, line avg.}} = [2.95, 2.95]$

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			
	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH
0.00	12.9	22.1	58.5	7.32	0.45	<0.01	148.0	94.8	3.96	<0.01	1.66	2.98	7.91	21.6	0.16	<0.01	166.0	43.8	N/A	<0.01
2.00	11.3	19.4	55.0	6.88	0.38	<0.01	130.0	89.1	3.4	<0.01	1.46	2.61	7.44	20.3	0.14	<0.01	146.0	41.2	N/A	<0.01

Coverage factors: $w_{E_{ind, cube avg.}} = [3.38, 5.39]$, $w_{E_{ind, local}} = [7.61, 7.61]$, $w_{E_{ind, line avg.}} = [2.95, 2.95]$

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FCC ID: A3LSMX930	 DIGITIZER RF EXPOSURE EVALUATION REPORT	Reviewed by: Technical Manager
Test Dates: 6/24/2025 – 6/25/2025	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-X930	DASY software version: cDASY6 Module WPT 2.8.0.5184	Center location: x: 64,09 mm, y: -142,29 mm, z: 17,74 mm
Serial number: 1175M	Probe model, serial no, and configuration date: MAGPy-8H3D+E3Dv2, WP000261, 2024/08/14	Dimensions: x: 256,9 mm, y: 344,4 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: 2025/06/24 15:48:04

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 4,90 A/m
x: 1,13 A/m, y: 51,20 mA/m, z: 4,77 A/m

Maximum H-field location relative to DUT:
x: -11,00 mm, y: 11,00 mm, z: 8,50 mm

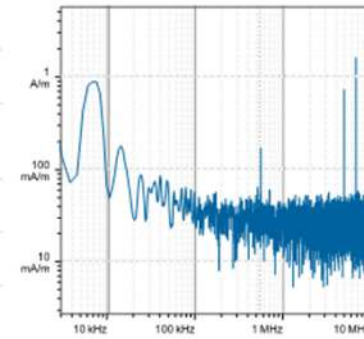
Maximum E-field [RMS]:
MAGNITUDE: 652,26 mV/m
x: 90,39 mV/m, y: 164,14 mV/m, z: 624,76 mV/m

Maximum E-field location relative to DUT:
x: 0,00 m, y: 0,00 m, z: 0,00 m

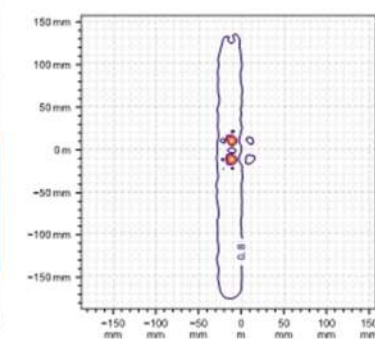
Distance to -20,0 dB boundary:
14,67 mm

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 = 562,50 kHz, $\sigma = 0,750$ S/m, tissue density = $1,000 \text{ kg/m}^3$)

	Peak incident fields [rms]		Peak E _{ind} [V/m,rms]			Peak J _{ind} [A/m ² ,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	5,74	0,652	0,0754	0,0814	0,0798	0,0406	1,84e-3	1,06e-3	72,3		14%	315%	91%
2,00	4,60	0,591	0,0662	0,0725	0,069	0,0344	1,18e-3	6,29e-4	73,4		14%	315%	83%

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			
	RL [rms]	BR [rms]	RL [rms]	BR [rms]	RL [rms]	BR [rms]	RL [rms]	BR [rms]	RL [rms]	BR [rms]	RL [rms]	BR [rms]	RL [rms]	BR [rms]	RL [rms]	BR [rms]	RL [rms]	BR [rms]	RL [rms]	BR [rms]
0,00	5,74	0,652	0,444	1,06e-3	5,74	0,652	0,0406	1,06e-3	5,74	0,652	0,253	1,06e-3	5,74	0,652	N/A	1,84e-3	5,74	0,652	0,676	1,84e-3
2,00	4,60	0,591	0,391	6,29e-4	4,60	0,591	0,0344	6,29e-4	4,60	0,591	0,219	6,29e-4	4,60	0,591	N/A	1,18e-3	4,60	0,591	0,604	1,18e-3

Coverage factors: $W_{E_{inc}, \text{cube avg.}} = [5,88, 5,90]$, $W_{E_{inc}, \text{line avg.}} = [8,31, 8,34]$, $W_{J_{ind}, \text{line avg.}} = [3,16, 3,17]$

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	RL	BR	RL	BR	RL	BR	RL	BR	RL	BR	RL	BR	RL	BR	RL	BR
0,00	0,27	0,66	0,65	9,46	<0,01	<0,01	4,42	0,98	0,04	<0,01	0,04	0,09	0,09	2,79	<0,01	<0,01	3,52	0,17	N/A	<0,01
2,00	0,22	0,53	0,59	8,57	<0,01	<0,01	3,55	0,89	0,04	<0,01	0,03	0,07	0,08	2,53	<0,01	<0,01	2,82	0,16	N/A	<0,01

Coverage factors: $W_{E_{inc}, \text{cube avg.}} = [5,88, 5,90]$, $W_{E_{inc}, \text{line avg.}} = [8,31, 8,34]$, $W_{J_{ind}, \text{line avg.}} = [3,16, 3,17]$

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