

APPENDIX A: RF EXPOSURE TEST PLOTS

Plot A-1 Verification Test Data

cDASY6 Module WPT Measurement Report

Device under test

Info:
85kHz Verification

Serial number:
1011

Scenario:
85kHz Verification

Tool info

DASY software version:
cDASY6 Module WPT 2.6.0.5002

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000210, 2024/06/28

Software version:
2.0.63, backend: 2.2.22

Scan info

Center location:
x: -24.38 mm, y: -113.91 mm, z: 36.26 mm

Dimensions:
x: 608.0 mm, y: 609.0 mm, z: 36.6 mm

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

Completed on:
2024/11/01 14:17:56

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 131.92 A/m
x: 11.91 A/m, y: 122.24 A/m, z: 48.15 A/m

Maximum H-field location relative to DUT:
x: 11.00 mm, y: -165.00 mm, z: 8.50 mm

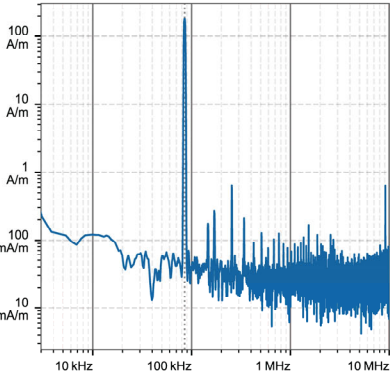
Maximum E-field [RMS]:
MAGNITUDE: 213.25 V/m
x: 13.76 V/m, y: 8.95 V/m, z: 212.62 V/m

Maximum E-field location relative to DUT:
x: 88.00 mm, y: 146.67 mm, z: 0.00 m

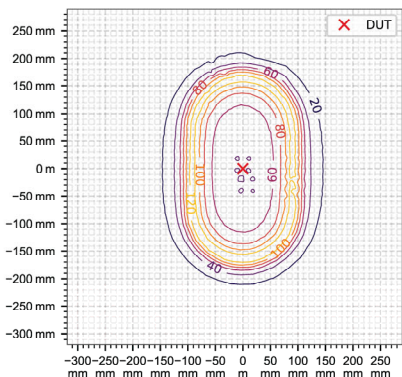
Distance to -20.0 dB boundary:
58.67 mm

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 homogeneous phantom at the peak frequency (f = 85.00 kHz, $\sigma = 0.750$ S/m, tissue density = $1,000$ kg/m³)

Distance [mm]	Peak incident fields [<i>RMS</i>]		Peak <i>E</i> _{ind} [V/m, <i>RMS</i>]			Peak <i>J</i> _{ind} [A/m ² , <i>RMS</i>]	psSAR [mW/kg]		H-field extent -20 dB radius [mm]	Sign	Vector potential	Warnings Boundary effect
	<i>H</i> _{inc} [A/m]	<i>E</i> _{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.				
0.00	201	213	3.22	3.25	3.26	2.25	5.91	4.35	181	1%	91%	25%
2.00	184	195	3.02	3.05	3.06	2.12	5.27	3.93	183	1%	91%	23%

Compliance evaluation (Field values at the peak frequency) (f=85.00 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] [mW/kg]	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	201	213	3.22	4.35	201	213	2.25	4.35	201	213	3.26	4.35	201	213	N/A	5.91	201	213	3.26	5.91
2.00	184	195	3.03	3.93	184	195	2.12	3.93	184	195	3.07	3.93	184	195	N/A	5.27	184	195	3.06	5.27

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	9.59	N/A	6.34	N/A	0.28	N/A	40.3	5.18	13.3	N/A	1.24	N/A	0.86	N/A	0.18	N/A	2.24	3.61	N/A	N/A
2.00	8.77	N/A	5.79	N/A	0.26	N/A	36.8	4.74	12.5	N/A	1.13	N/A	0.78	N/A	0.17	N/A	2.05	3.3	N/A	N/A

FCC ID: A3LSMS936B		WPT RF EXPOSURE EVALUATION REPORT	Reviewed by: Quality Manager
Test Dates: 10/14/2024 – 11/4/2024	Apparatus/Device: Mobile Handset		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: A3LSMS936B	DASY software version: cDASY6 Module WPT 2.6.0.5002	Center location: x: 780.21 mm, y: 25.76 mm, z: 242.13 mm
Serial number: 1510M	Probe model, serial no. and configuration date: MAGPy-8H3D+E3Dv2, WP000210, 2024/06/28	Dimensions: x: 169.0 mm, y: 256.0 mm, z: 36.0 mm
Scenario: Ping Signal	Software version: 2.0.63, backend: 2.2.22	Resolution: x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
		Completed on: 2024/11/07 10:58:59

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 271.79 A/m
x: 49.19 A/m, y: 16.40 A/m, z: 266.80 A/m

Maximum H-field location relative to DUT:
x: -3.67 mm, y: -11.00 mm, z: 8.50 mm

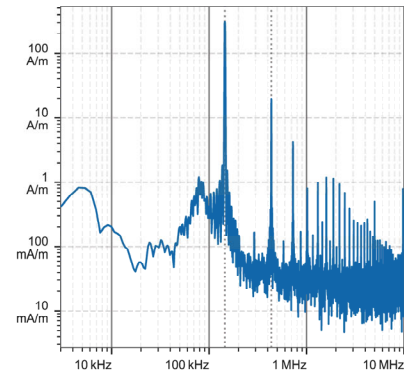
Maximum E-field [RMS]:
MAGNITUDE: 66.16 V/m
x: 8.81 V/m, y: 5.26 V/m, z: 65.36 V/m

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

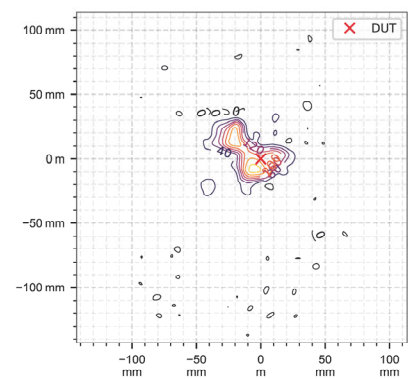
Distance to -20.0 dB boundary:
10.37 mm

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 homogeneous phantom at the peak frequency (f = 145.03 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 -20 dB radius [mm]	Sign	Vector potential	Warnings Boundary effect
	H _{inc} [A/m]	E _{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.				
0.00	500	66.2	1.85	1.94	1.92	1.10	1.12	0.472	30.7	7%	56%	21%
2.00	440	60.7	1.60	1.68	1.67	0.936	0.79	0.333	30.7	7%	56%	17%

Compliance evaluation (Field values at the peak frequency) (f=145.03 kHz, total field evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	RL [RMS]	PE _{inc} [V/m]	BR [RMS]	psSAR [mW/kg]	RL [RMS]	PE _{inc} [V/m]	PJ _{ind} [A/m ²]	psSAR [mW/kg]	ERL [RMS]	PE _{inc} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]	MPE [RMS]	PE _{inc} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]	RL [RMS]	PE _{inc} [V/m]	PE _{ind} [V/m]	psSAR [mW/kg]
0.00	500	66.2	1.85	0.472	500	66.2	1.10	0.472	500	66.2	1.92	0.472	500	66.2	N/A	1.12	500	66.2	1.94	1.12
2.00	440	60.7	1.60	0.333	440	60.7	0.936	0.333	440	60.7	1.67	0.333	440	60.7	N/A	0.79	440	60.7	1.68	0.79

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

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	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	25.3	15.3	2.55	0.23	0.10	<0.01	103.0	2.81	4.05	<0.01	3.25	2.06	0.34	0.08	0.07	<0.01	308.0	0.51	N/A	<0.01
2.00	22.2	13.5	2.34	0.21	0.09	<0.01	90.9	2.57	3.45	<0.01	2.87	1.81	0.32	0.08	0.06	<0.01	271.0	0.47	N/A	<0.01

FCC ID: A3LSMS936B		WPT RF EXPOSURE EVALUATION REPORT	Reviewed by: Quality Manager
Test Dates: 10/14/2024 – 11/4/2024	Apparatus/Device: Mobile Handset		APPENDIX A: Page 2 of 2

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