

Direct Exposure – 120.3 kHz

cDASY6 Module WPT Measurement Report

Device under test

Info:
 15751813
 Serial number:
 600121
 Scenario:
 Direct Exposure @ 120.3kHz

Tool info

DASY6 software version:
 cDASY6 Module WPT 2.6.0.5002
 Probe model, serial no. and configuration date:
 MAGPy-BH3D-E3Dv2, WFO00246, 2024/09/20
 Software version:
 2.0.63, backend: 2.2.22

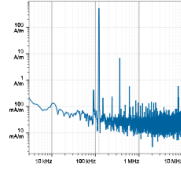
Scan info

Center location:
 x: 5.28 mm, y: -16.28 mm, z: 30.29 mm
 Dimensions:
 x: 124.6 mm, y: 124.7 mm, z: 36.7 mm
 Resolution:
 x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
 Completed on:
 2025/04/15 13:09:10

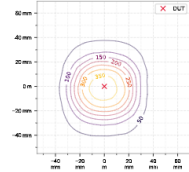
Measurement results

Maximum H-field [mV/m]
 magnitude: 376.27 A/m
 x: 22.93 mm, y: -46.49 A/m, z: 375.47 A/m
Maximum H-field location relative to DUT
 x: -3.67 mm, y: -3.67 mm, z: 8.50 mm
Maximum E-field [mV/m]
 magnitude: 43.73 V/m
 x: 18.94 V/m, y: -11.90 V/m, z: 37.74 V/m
Maximum E-field location relative to DUT
 x: 7.33 mm, y: 7.33 mm, z: 0.00 mm
 Distance to -20.0 dB boundary:
 38.67 mm
 Offset relative to DUT:
 x: 0.00 mm, y: 0.00 mm, z: 1.00 mm

H-field magnitude [mV/m] at maximum location



H-field magnitude [mV/m] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency (f = 120.31 kHz, ρ = 0.750 g/cm³, tissue density = 1.000 g/cm³)

Distance [mm]	Peak incident fields [mV/m]				Peak E _{ind} [V/m, rms]				μSAR [mW/kg]		H-field extent		Vector potential	Worstcase boundary effect
	H _{inc} [A/m]	E _{inc} [V/m]	Cube avg	Local	Local	Line avg	Surface avg	Top avg	-20 dB radius [mm]	Sign				
0.00	750	43.7	3.77	3.87	3.88	2.30	5.46	2.50	41.4	22%	10%	15%		
2.00	661	40.3	3.23	3.33	3.34	2.00	3.85	1.80	41.6	22%	10%	17%		

Compliance evaluation (Field values at the peak frequency) (f = 120.31 kHz, total field evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	RF _{inc} [A/m]	RF _{inc} [V/m]	BR [mV/m]	μSAR [mW/kg]	RF _{inc} [A/m]	RF _{inc} [V/m]	BR [mV/m]	μSAR [mW/kg]	RF _{inc} [A/m]	RF _{inc} [V/m]	DR [mV/m]	μSAR [mW/kg]	RF _{inc} [A/m]	RF _{inc} [V/m]	BR [mV/m]	μSAR [mW/kg]	RF _{inc} [A/m]	RF _{inc} [V/m]	BR [mV/m]	μSAR [mW/kg]
0.00	750	43.7	3.77	2.50	750	43.7	2.30	2.50	750	43.7	3.88	2.50	750	43.7	N/A	5.46	750	43.7	3.87	5.46
2.00	661	40.3	3.23	1.80	661	40.3	2.00	1.80	661	40.3	3.34	1.80	661	40.3	N/A	3.85	661	40.3	3.33	3.85

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

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6									
	RF _{inc} [A/m]	RF _{inc} [V/m]	BR [mV/m]	μSAR [mW/kg]	RF _{inc} [A/m]	RF _{inc} [V/m]	BR [mV/m]	μSAR [mW/kg]	RF _{inc} [A/m]	RF _{inc} [V/m]	DR [mV/m]	μSAR [mW/kg]	RF _{inc} [A/m]	RF _{inc} [V/m]	BR [mV/m]	μSAR [mW/kg]	RF _{inc} [A/m]	RF _{inc} [V/m]	BR [mV/m]	μSAR [mW/kg]						
0.00	NS	18.4	0.65	0.01	0.23	<0.01	150.0	0.92	0.94	<0.01	4.6	0.07	0.03	0.15	<0.01	400.0	0.07	N/A	<0.01	8.33	124.0	0.65	0.18	0.24	<0.01	
2.00	31.5	16.2	0.60	0.01	0.20	<0.01	132.0	0.48	0.31	<0.01	4.05	2.18	0.07	0.03	0.13	<0.01	405.0	0.07	N/A	<0.01	7.34	109.0	0.60	0.16	0.20	<0.01

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Extrapolation Verification - 8.5mm

cDASY6 Module WPT Measurement Report

Device under test

Info:
 15151813
 Serial number:
 500121
 Scenario:
 Direct Exposure @ 120.3kHz

Tool info

cDASY6 software version:
 cDASY6 Module WPT 2.6.0.5002
 Probe model, serial no. and configuration date:
 MAGPy-BHD-ES3Cv2, WPM00248, 2024/09/20
 Software version:
 2.0.63, backend: 2.2.22

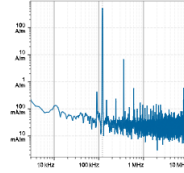
Scan info

Center location:
 x: 5.28 mm, y: -16.28 mm, z: 30.29 mm
 Dimensions:
 x: 124.8 mm, y: 124.7 mm, z: 36.7 mm
 Resolution:
 x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
 Completed on:
 2025/04/15 13:09:10

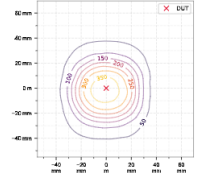
Measurement results

Maximum H-field [mT]:
 MAGNITUDE: 376.27 A/m
 x: 22.83 A/m, y: 43.49 A/m, z: 375.47 A/m
 Maximum H-field location relative to DUT:
 x: -3.67 mm, y: -3.67 mm, z: 8.50 mm
 Maximum E-field [mV/m]:
 MAGNITUDE: 43.73 V/m
 x: 18.64 V/m, y: 11.86 V/m, z: 37.74 V/m
 Maximum E-field location relative to DUT:
 x: 7.33 mm, y: 7.33 mm, z: 0.00 m
 Distance to -20 dB boundary:
 36.67 mm
 Offset relative to DUT:
 x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [mT] at maximum location



H-field magnitude [mT] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency (f = 120.31 kHz, r = 0.750 dm, tissue density = 1,000 kg/m³)

Distance [mm]	Peak incident fields [mT]			Peak E_{rms} [V/m, rms]			Peak J_{rms} [A/m², rms]			pSAR [mW/kg]			H field extent 20 dB radius [mm]	Sign	Vector potential	Warnings Boundary effect
	H_{max} [A/m]	E_{max} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	1g avg.	1g avg.							
8.50	380	18.6	1.80	1.85	1.85	1.14	1.29	0.652	43.5	22%	10%	30%				

Compliance evaluation (Field values at the peak frequency) (f = 120.31 kHz, total field evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6					
	H_{rms} [A/m]	E_{rms} [V/m]	BR [m]	pSAR [mW/kg]	H_{rms} [A/m]	E_{rms} [V/m]	J_{rms} [A/m²]	pSAR [mW/kg]	ERL [mW]	H_{rms} [A/m]	E_{rms} [V/m]	DR [m]	pSAR [mW/kg]	MPC [mW]	H_{rms} [A/m]	E_{rms} [V/m]	BR [m]	pSAR [mW/kg]	H_{rms} [A/m]	E_{rms} [V/m]	BR [m]	pSAR [mW/kg]
8.50	380	18.6	1.80	0.652	380	18.6	1.14	0.652	380	18.6	1.85	0.652	380	18.6	N/A	1.20	380	18.6	1.85	1.29	1.29	1.29

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	TH	NS	TH	NS	TH	NS	TH	N/A	TH	NS	TH	NS	TH	NS	TH				
8.50	18.1	9.33	0.23	<0.01	0.11	<0.01	70.0	0.22	4.75	<0.01	2.33	1.26	0.03	0.01	0.07	<0.01	233.0	0.03	N/A	<0.01	4.22	62.6	0.23	0.07	0.11	<0.01

Extrapolation Verification - 17mm

cDASY6 Module WPT Measurement Report

Device under test

Info:
15751813
 Serial number:
600121
 Scenario:
Direct Exposure @ 17mm/120.3kHz

Tool info

cDASY software version:
cDASY6 Module WPT 2.6.0.5002
 Probe model, serial no and configuration date:
MAG-014-HD-H2(Dx), WPO00046, 2024/05/20
 Software version:
2.0.03, backend: 2.2.22

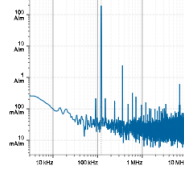
Scan info

Center location:
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x: 124.6 mm, y: 124.7 mm, z: 36.6 mm
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2025/04/15 13:56:18

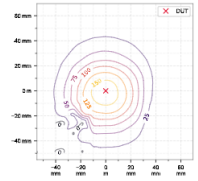
Measurement results

Maximum H-field [µW/m²]
MAGNITUDE: 194.97 A/m
 x: 10.76 A/m, y: 13.88 A/m, z: 163.93 A/m
 Maximum H-field location relative to DUT:
x: -3.67 mm, y: -3.67 mm, z: 8.50 mm
 Maximum E-field [µW/m²]
MAGNITUDE: 15.77 V/m
 x: 12.12 V/m, y: 7.51 V/m, z: 6.73 V/m
 Maximum E-field location relative to DUT:
x: 0.00 m, y: 14.07 mm, z: 0.00 m
 Distance to -20.0 dB boundary:
26.44 mm
 Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [µW/m²] at maximum location



H-field magnitude [µW/m²] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency (f = 314.22 kHz, ρ = 0.780 g/cm³, tissue density = 1,000 kg/m³)

Distance [mm]	Peak incident fields [µW/m²]				Peak E _{ind} [V/m, rms]			Peak H _{ind} [A/m, rms]			psSAR [mW/kg]		H-field extent 20 dB radius [mm]	Sign	Vector potential	Warnings Boundary offset
	H _{inc} [A/m]	E _{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	Tp avg.	10g avg.	10g avg.	10g avg.						
0.00	314	15.8	4.36	4.48	4.47	2.84	8.08	4.16	45.5	12%	9%	31%				

Compliance evaluation (Field values at the peak frequency) (f = 314.22 kHz, total field evaluation)

Distance [mm]	ICNIRP 2019/2020				ICNIRP 1998				IEEE 2019				ECC				HC Class 6			
	RF _{loc} [A/m]	RL [µW/m²]	RF _{ind} [V/m]	RF _{ind} [V/m]	BR [µW/m²]	psSAR [mW/kg]	RF _{loc} [A/m]	RL [µW/m²]	RF _{ind} [V/m]	RF _{ind} [V/m]	BR [µW/m²]	psSAR [mW/kg]	RF _{loc} [A/m]	RL [µW/m²]	RF _{ind} [V/m]	RF _{ind} [V/m]	BR [µW/m²]	psSAR [mW/kg]		
0.00	314	15.8	4.36	4.10	314	15.8	2.84	4.10	314	10.8	4.47	4.10	314	15.8	N/A	8.08	314	15.8	4.40	8.08

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

Distance [mm]	ICNIRP 2019/2020				ICNIRP 1998				IEEE 2019				ECC				HC Class 6			
	RF _{loc} [A/m]	RL [µW/m²]	RF _{ind} [V/m]	RF _{ind} [V/m]	BR [µW/m²]	psSAR [mW/kg]	RF _{loc} [A/m]	RL [µW/m²]	RF _{ind} [V/m]	RF _{ind} [V/m]	BR [µW/m²]	psSAR [mW/kg]	RF _{loc} [A/m]	RL [µW/m²]	RF _{ind} [V/m]	RF _{ind} [V/m]	BR [µW/m²]	psSAR [mW/kg]		
0.00	NS	TH	NS	TH	NS	TH	N/A	N/A	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH