

Appendix A: Test Plots

RF SAFETY LABORATORY

DASY8 Module WPT Measurement Report

Device under test

Info:
BPD010

Serial number:
00216

Scenario:
Back, 111-148 kHz

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5184

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000267, 2024/10/10

Software version:
2.8.8, backend: 2.2.36

Scan info

Center location:
x: -21.23 mm, y: 74.09 mm, z: 89.75 mm

Dimensions:
x: 212.4 mm, y: 168.9 mm, z: 36.8 mm

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

Completed on:
2025/07/30

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 1.33 A/m
x: 92.96 mA/m, y: 346.84 mA/m, z: 1.28 A/m

Maximum H-field location relative to DUT:
x: 47.67 mm, y: -11.00 mm, z: 8.50 mm

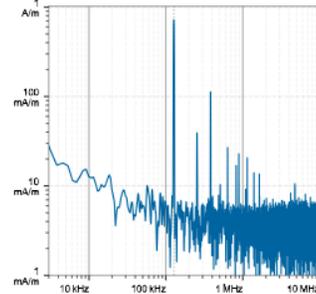
Maximum E-field [rms]:
MAGNITUDE: 41.61 V/m
x: 3.18 V/m, y: 4.93 V/m, z: 41.19 V/m

Maximum E-field location relative to DUT:
x: -73.33 mm, y: -29.33 mm, z: 0.00 m

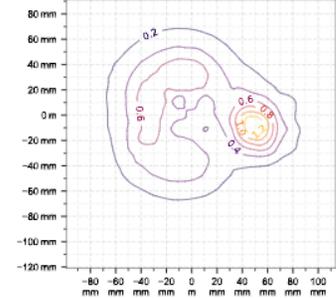
Distance to -20.0 dB boundary:
37.39 mm

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 = 126.82 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	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.	-20 dB radius [mm]				
0.00	2.93	41.6	0.0151	0.0154	0.0155	0.0100	1.05e-4	6.21e-5	66.6	95%	20%	54%	

Compliance evaluation (Field values at the peak frequency) (f = 126.82 kHz, total field evaluation, coverage evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	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	2.93	41.6	0.0892	6.37e-5	2.93	41.6	0.0111	6.37e-5	2.93	41.6	0.0499	6.37e-5	2.93	41.6	N/A	1.09e-4	2.93	41.6	0.128	1.09e-4

Coverage factors: $w_{E_{ind, cube avg}} = [5.80]$, $w_{E_{ind, local}} = [8.19]$, $w_{E_{ind, line avg}} = [3.13]$

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						
0.00	NS	TH	NS	TH	NS	TH	N/A	N/A	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH				
	-17.1	-22.4	-6.0	-36.7	-45.7	-75.0	-4.64	-6.41	-27.2	-75.0	-34.9	-39.8	-23.4	-30.4	-54.5	-75.0	5.09	-23.4	N/A	-71.8	-29.7	-5.87	-6.0	N/A	-42.5	-71.8

Coverage factors: $w_{E_{ind, cube avg}} = [5.80]$, $w_{E_{ind, local}} = [8.19]$, $w_{E_{ind, line avg}} = [3.13]$

Device under test

Info:
BBA009
 Serial number:
00001
 Scenario:
111-148 kHz, Back, iPhone 16 Pro

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5184
 Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000267, 2024/10/10
 Software version:
2.8.8, backend: 2.2.36

Scan info

Center location:
x: -23.74 mm, y: 2.17 mm, z: 69.59 mm
 Dimensions:
x: 212.9 mm, y: 168.6 mm, z: 36.9 mm
 Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
 Completed on:
2025/08/24

Measurement results

Maximum H-field [rms]:
 MAGNITUDE: **1.97 A/m**
x: 483.14 mA/m, y: 469.79 mA/m, z: 1.85 A/m

Maximum H-field location relative to DUT:
x: 55.00 mm, y: -3.67 mm, z: 8.50 mm

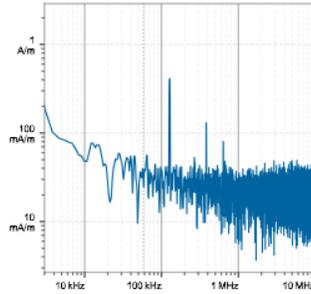
Maximum E-field [rms]:
 MAGNITUDE: **50.66 V/m**
x: 6.02 V/m, y: 2.73 V/m, z: 50.23 V/m

Maximum E-field location relative to DUT:
x: -44.00 mm, y: 7.33 mm, z: 0.00 mm

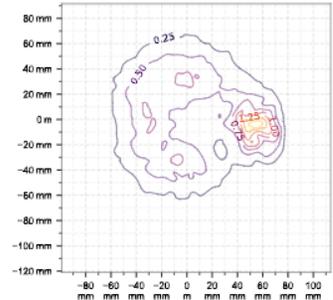
Distance to -20.0 dB boundary:
26.44 mm

Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [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 = 127.32 kHz, σ = 0.750 S/m, tissue density = 1,000 kg/m³)

Distance [mm]	Peak incident fields [μV/m]			Peak E _{ind} [V/m, μV/m]			Peak J _{ind} [A/m², μV/m]		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	3.54	50.7	0.0167	0.0170	0.0171	0.0111	1.3e-4	7.52e-5	63.3	42%	24%	50%		

Compliance evaluation (Field values at the peak frequency) (f=127.32 kHz, total field evaluation, coverage evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	RL [μV/m]	BR [μV/m]	RL [μV/m]	BR [μV/m]	RL [μV/m]	BR [μV/m]	ERL [μV/m]	DRL [μV/m]	MPE [μV/m]	BR [μV/m]	RL [μV/m]	BR [μV/m]	RL [μV/m]	BR [μV/m]						
0.00	3.54	50.7	0.0979	7.76e-5	3.54	50.7	0.0125	7.76e-5	3.54	50.7	0.0548	7.76e-5	3.54	50.7	N/A	1.32e-4	3.54	50.7	0.140	1.32e-4

Coverage factors: $w_{E_{ind, cube avg}} = [5.75]$, $w_{E_{ind, local}} = [8.12]$, $w_{E_{ind, line avg}} = [3.11]$

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	RL	BR	ERL	DRL	MPE	BR	RL	BR	RL	BR												
0.00	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH
	-15.5	-20.7	5.59	15.6	-44.6	-55.7	-2.09	5.01	-24.4	-55.7	-33.3	-38.1	-11.8	-13.0	-53.1	-55.7	6.75	-19.5	N/A	-54.7	-28.1	-4.18	5.59	N/A	-41.5	-54.7

Coverage factors: $w_{E_{ind, cube avg}} = [5.75]$, $w_{E_{ind, local}} = [8.12]$, $w_{E_{ind, line avg}} = [3.11]$