

Appendix A: Test Plots

RF SAFETY LABORATORY

DASY8 Module WPT Measurement Report

Device under test

Info:
K7SBPD012

Serial number:
NIR22

Scenario:
326.5 kHz, Right, Apple Watch SE

Tool info

DASY software version:
DASY8 Module WPT 3.4.0.6944

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000267, 2025/10/03

Software version:
3.4.0, backend: 3.2.21

Hardware version:
FPGA: 100, FW: N/A

Scan info

Center location:
x: 55.07 mm, y: -49.20 mm, z: 85.49 mm

Dimensions:
x: 168.9 mm, y: 124.5 mm, z: 37.0 mm

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

Completed on:
2026/06/11

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 1.18 A/m
x: 694.31 mA/m, y: 114.67 mA/m, z: 946.21 mA/m

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

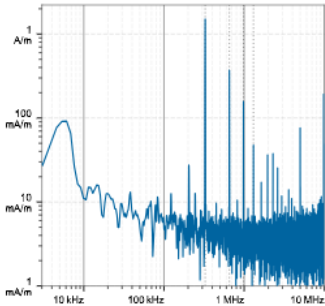
Maximum E-field [rms]:
MAGNITUDE: 5.67 V/m
x: 109.73 mV/m, y: 460.89 mV/m, z: 5.65 V/m

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

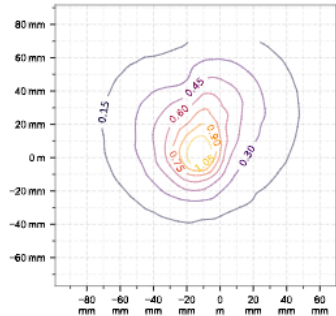
Distance to -20.0 dB boundary:
46.38 mm

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 = 326.53 kHz, $\sigma = 0.750$ S/m, tissue density = 1,000 kg/m³)

	Peak incident fields [μV]		Peak E _{ind} [V/m, μV]			Peak J _{ind} [A/m ² , μV]	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	2.64	5.67	0.0438	0.0447	0.0449	0.0282	7.92e-4	3.85e-4	49.5	15%	25%	33%

Compliance evaluation (Field values at the peak frequency) (f=326.53 kHz, total field evaluation, coverage evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	RL [μV]		BR [μV]		RL [μV]		BR [μV]		ERL [μV]		DRL [μV]		MPE [μV]		BR [μV]		RL [μV]		BR [μV]	
	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	2.64	5.67	0.243	3.85e-4	2.64	5.67	0.0286	3.85e-4	2.64	5.67	0.136	3.85e-4	2.64	5.67	N/A	7.92e-4	2.64	5.67	0.351	7.92e-4

Coverage factors: $W_{E_{ind}, cube, 10g} = [5.54]$, $W_{E_{ind}, local} = [7.83]$, $W_{E_{ind}, line, 10g} = [3.02]$

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	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH
0.00	-15.5	-12.8	-23.3	-48.3	-42.7	-66.0	3.77	-23.7	-24.7	-66.0	-33.3	-30.2	-40.7	-47.7	-51.5	-66.0	4.75	-40.7	N/A	-61.9

Coverage factors: $W_{E_{ind}, cube, 10g} = [5.54]$, $W_{E_{ind}, local} = [7.83]$, $W_{E_{ind}, line, 10g} = [3.02]$

Device under test

Info:
K7SBPD012

Serial number:
NIR22

Scenario:
1778 kHz, Front, Apple Watch Ultra

Tool info

DASY software version:
DASY8 Module WPT 3.4.0.6944

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000267, 2025/10/03

Software version:
3.4.0, backend: 3.2.21

Hardware version:
FPGA: 100, FW: N/A

Scan info

Center location:
x: 29.79 mm, y: -110.98 mm, z: 73.76 mm

Dimensions:
x: 168.7 mm, y: 168.7 mm, z: 36.7 mm

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

Completed on:
2026/06/11

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 719.05 mA/m
x: 37.92 mA/m, y: 49.36 mA/m, z: 716.35 mA/m

Maximum H-field location relative to DUT:
x: 33.00 mm, y: 3.67 mm, z: 8.50 mm

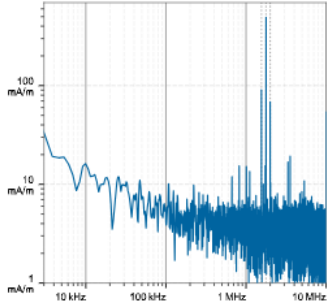
Maximum E-field [rms]:
MAGNITUDE: 5.51 V/m
x: 569.67 mV/m, y: 190.50 mV/m, z: 5.47 V/m

Maximum E-field location relative to DUT:
x: 44.00 mm, y: 14.67 mm, z: 0.00 m

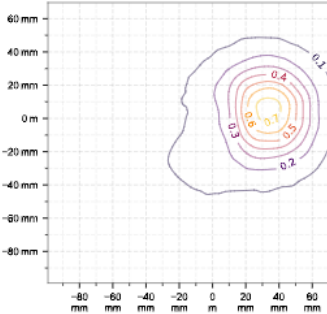
Distance to -20.0 dB boundary:
51.33 mm

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 = 1.78 MHz, σ = 0.750 S/m, tissue density = 1,000 kg/m³)

	Peak incident fields [μV]		Peak E _{ind} [V/m, μV]			Peak J _{ind} [A/m ² , μV]	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	1.57	5.51	0.128	0.131	0.131	0.0843	7.39e-3	5.35e-3	45.0	26%	19%	69%

Compliance evaluation (Field values at the peak frequency) (f = 1.78 MHz, total field evaluation, coverage evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	RL [μV]		BR [μV]		RL [μV]		BR [μV]		ERL [μV]		DRL [μV]		MPE [μV]		BR [μV]		RL [μV]		BR [μV]	
	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/m²]	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	1.57	5.51	0.705	5.36e-3	1.57	5.51	0.0884	5.36e-3	1.57	5.51	0.394	5.36e-3	1.57	5.51	N/A	7.39e-3	1.57	5.51	1.02	7.39e-3
Coverage factors: w _{E_{ind}, cube avg.} = [5.48], w _{E_{ind}, local} = [7.73], w _{E_{ind}, line avg.} = [2.99]																				

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	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH
	-22.5	-4.91	20.9	8.48	-46.3	-55.3	11.6	20.6	-18.4	-55.3	-40.3	-22.3	3.48	18.4	-52.8	-55.3	2.08	3.61	N/A	-53.0
Coverage factors: w _{E_{ind}, cube avg.} = [5.48], w _{E_{ind}, local} = [7.73], w _{E_{ind}, line avg.} = [2.99]																				