

RF SAFETY LABORATORY

NS-001: SPR-002 Test Report RevA
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DASY8 Module WPT Measurement Report

Device under test

Info:
400 kHz System Verification

Serial number:
1020

Scenario:
not set

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: 32.61 mm, y: -114.88 mm, z: 34.97 mm

Dimensions:
x: 124.7 mm, y: 124.8 mm, z: 36.6 mm

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

Completed on:
2026/05/26

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 132.90 A/m
x: 14.94 A/m, y: 19.13 A/m, z: 130.67 A/m

Maximum H-field location relative to DUT:
x: 3.70 mm, y: -3.63 mm, z: 8.50 mm

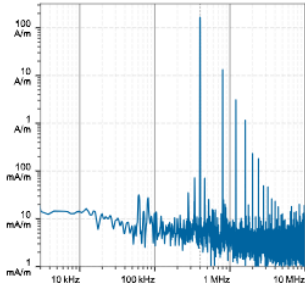
Maximum E-field [rms]:
MAGNITUDE: 42.49 V/m
x: 20.49 V/m, y: 10.76 V/m, z: 35.63 V/m

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

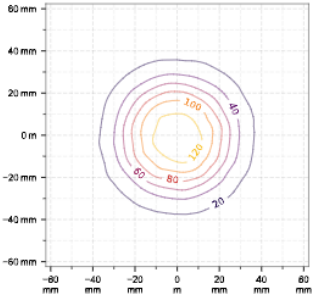
Distance to -20.0 dB boundary:
37.39 mm

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

Distance [mm]	Peak incident fields [μV]		Peak E _{ind} [V/m, μV]			Peak J _{ind} [A/m ² , μV]	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	262	42.5	4.24	4.34	4.35	2.69	7.16	3.56	39.4	1%	8%	19%

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 8			
	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	262	42.5	22.8	3.56	262	42.5	2.70	3.56	262	42.5	12.9	3.56	262	42.5	N/A	7.16	262	42.5	33.1	7.16

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

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 8			
	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	N/A	N/A	N/A	TH	NS	TH	NS	TH
	21.9	26.6	46.3	49.3	-6.77	-27.0	43.1	52.3	14.3	-27.0	4.11	9.17	29.0	47.9	-15.1	-27.0	44.1	45.4	N/A	-23.2

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