Measurement Conditions

Object model	V-Coil350/85	1023
	Frequency	85 kHz
Probe model	MAGPy-H3D	1017
	MAGPy-DAS	1017
	MAGPy FPGA Board	WP000029
Software version	cDASY6 Module WPT	1.2.0.8
	Notebook GUI	1.2.5
	Sim4Life	6.2.0.4280
Scan setup	Type	Dynamic
	Grid size	X: 7.00 mm, Y: 7.00 mm, Z: 7.00 mm

Calibrated Parameters: 85 kHz

Distance of the Virtual Phantom from the Surface	**Peak H-field (A/m)**	**Unc. (k=2) (dB)**	**Induced peak current density, 1cm² area avg. (A/m²)**	**Induced peak E-field(V/m)**		**peak spatial SAR (mW/kg)**		**Unc. (k=2) (dB)**
				2mm cube avg.	**5mm line avg.**	**1g avg.**	**10g avg.**	
2.00 mm	183	1.23	1.08	3.24	3.27	2.90	2.11	1.59

Appendix (Additional assessments outside the scope of SCS 0108)

Total current measurement

	U (V)	I (A, = 2×U)
Total current (RMS)	0.3977	0.7954

Current spectrum measurement

Frequency (kHz)	Measured power (dBm)	Power coverted (W)	U (V) (R = 50 Ω)	I (A)	$I_{normalized}$ (A)
85	4.98	3.15E-03	0.3967	0.7934	0.7878
170	-41.93	6.41E-08	0.0018	0.0036	0.0036
255	-40.87	8.18E-08	0.0020	0.0040	0.0040

Measurement report

cDASY6 Module WPT Measurement Report

Device under test

Model / Manufacturer:
V-Coil350/85 & SPEAG

Serial number:
1023

Dimensions:
350 mm

Measurement scenario:
Source calibration

Hardware setup

DASY version:
cDASY6 Module WPT, 1.2.0.8

Notebook version:
1.2.5

Probe model / serial number:
Single Probe with reference / WP000029

Scan setup

Type:
Dynamic

Resolution:
X: 7.00 mm, Y: 7.00 mm, Z: 7.00 mm

Dimensions:
X: 462.00 mm, Y: 567.00 mm, Z: 21.00 mm

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Measurement results

Maximum H-field:
129.25 A/m (rms)

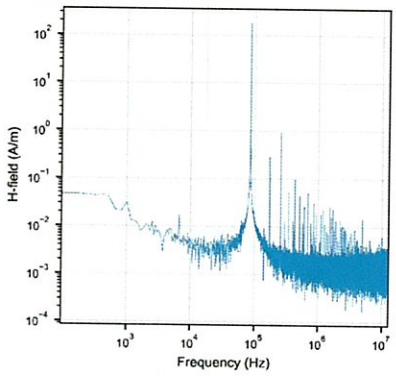
Location of maximum relative to DUT:
X: 84.00 mm, Y: -98.00 mm, Z: 9.00 mm

Maximum H-field (x, y, z):
175.34 A/m, 166.32 A/m, 131.86 A/m

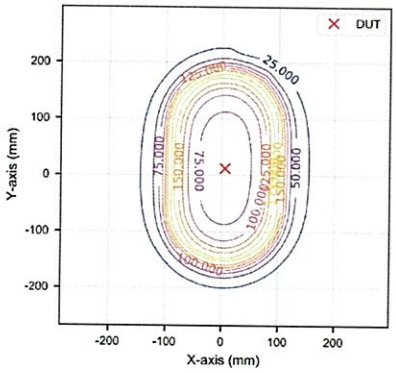
Peak frequency:
85.03 kHz (median)

Distance to -20.0 dB boundary:
66.04 mm

H-field magnitude at maximum



H-field magnitude at lowest plane



Induced quantities in the anatomical model

(f = 85.00 kHz, σ = 0.355 S/m, reconstruction error = 81.4%)

Spacing (mm)	Peak Hinc (A/m, rms)	Peak Eind (V/m, rms)		Peak Jind (A/m^2, rms)	psSAR (mW/kg)		-20 dB radius (mm)
		Cube avg.	Line avg.	Surface avg.	1g avg.	10g avg.	
2.00 *	183	3.24	3.27	1.08	2.90	2.11	183

Standard compliance evaluation

Spacing (mm)	ICNIRP 2020 (dB)			ICNIRP 1998 (dB)			IEEE 2019 (dB)			FCC 2020 (dB)			HC Code 6 (dB)		
	Peak Hinc (RL)	Peak Eind (BR)	psSAR (BR)	Peak Hinc (RL)	Peak Jind (BR)	psSAR (BR)	Peak Hinc (RL)	Peak Eind (BR)	psSAR (BR)	Peak Hinc (RL)	Peak Eind (BR)	psSAR (BR)	Peak Hinc (RL)	Peak Eind (BR)	psSAR (BR)
2.00 *	10.9	-35.6	-48.4	32.6	16.1	-48.4	1.04	-14.7	-48.4	17.7	-10.9	-46.1	27.4	-10.9	-46.1

Standard compliance evaluation (coverage factor-adjusted)

(Coefficients: $w_{E_C} = 3.0$, $w_{E_I} = 2.0$, $w_J = 1.0$, $w_{SAR1g} = 1.0$, $w_{SAR10g} = 1.0$)

Spacing (mm)	ICNIRP 2020 (dB)		ICNIRP 1998 (dB)		IEEE 2019 (dB)		FCC 2020 (dB)		HC Code 6 (dB)	
	Peak Eind (BR)	psSAR (BR)	Peak Jind (BR)	psSAR (BR)	Peak Eind (BR)	psSAR (BR)	Peak Eind (BR)	psSAR (BR)	Peak Eind (BR)	psSAR (BR)
2.00 *	-14.8	-42.8	27.4	-42.8	2.63	-42.8	9.87	-40.4	9.87	-40.4

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