

Annex A201 - Test Results

No. 1-0702-25-01-11_TR1-A201-R01

June 16, 2026

Description

Detailed test results and system checks

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Date: 2026.07.16 13:22:50

authorized by

Marco Scigliano

Testing Manager
Regulatory Services Radio

1. SAR results

				psSAR			
				(mW/kg, rms)			
				LIMIT: 1600		Limit: 4000	
				1g avg.		10g avg.	
DUT	frequency [kHz]	Peak H _{inc} (A/m, rms)	Peak E _{inc} (V/m, rms)	Meas.	Rep.*	Meas.	Rep.*
Coil 1	127.59	2415	58.2	27.10	27.91	11.50	11.85
Coil 2	127.59	2221	54.3	23.40	24.10	10.10	10.40
Coil 1 + 2	127.59	2586	64.2	32.00	32.96	13.80	14.21
Coil 1	360.36	942	59	32.50	33.48	13.70	14.11
Coil 2	360.36	879	56.6	29.10	29.97	12.40	12.77
Coil 1 + 2	360.36	987	65.4	36.90	38.01	16.30	16.79

*) SAR values were up-scaled to compensate for the unfulfilled Uncertainty budget by factor 1.03

Max SAR W/kg(1g): 0.038

Max SAR W/kg(10g): 0.017

Test distance for the test above was 0mm / touch at the EUT surface.

Sample / Serial number: S8W-00117.04.2636165121

2. CW 127.55 kHz - Coil 1 active

Device under test

- Info: WCH-313a,127.55 kHz_CW_Coil1
- Serial number: S8W-00117.04.2636165121
- Scenario: Start position is probe centered on EUT surface / Min. peak search frequency [kHz] 50 Max. peak search frequency [kHz] 210 Pulse repetition interval [s] 0.2

Tool info

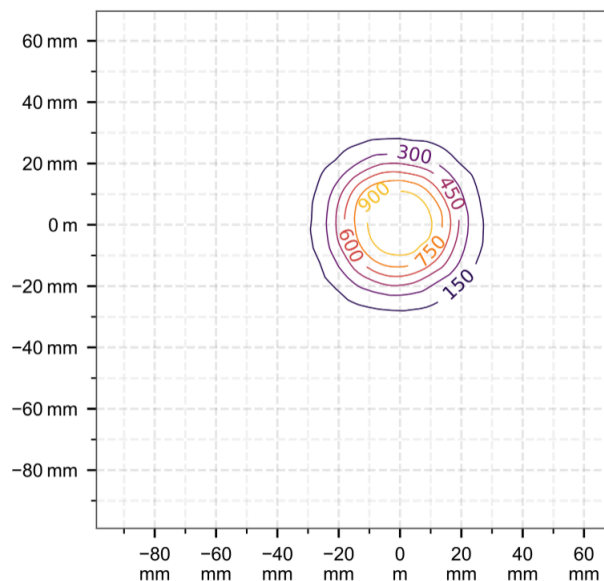
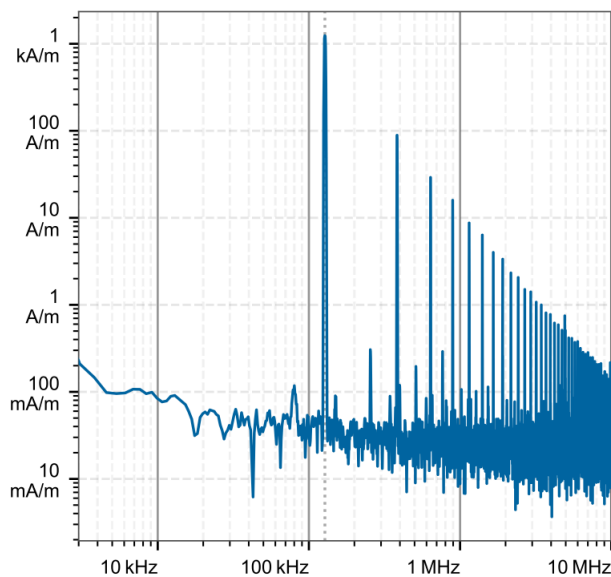
- DASY software version: DASY8 Module WPT 3.4.0.6944
- Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000009, 2025/11/11
- Software version: 3.4.0, backend: 3.2.21
- Hardware version: FPGA: 100, FW: N/A

Scan info

- Center location x: -50.00 μm , y: -20.00 μm , z: 126.97 mm
- Dimensions x: 168.6 mm, y: 168.6 mm, z: 37.0 mm
- Resolution x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
- Completed on 2026/05/15 16:56:27

Measurement results

- Maximum H-field [rms]magnitude: 1.02 kA/m
x: 174.22 A/m, y: 273.29 A/m, z: 969.89 A/m
 - Maximum H-field location relative to DUT
x: -3.67 mm, y: -3.67 mm, z: 8.50 mm
 - Maximum E-field [rms]magnitude: 58.17 V/m
x: 43.47 V/m, y: 27.96 V/m, z: 26.69 V/m
 - Maximum E-field location relative to DUT
x: 0.00 m, y: 14.67 mm, z: 0.00 m
 - Distance to -20.0 dB boundary 29.33 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

$f = 127.59 \text{ kHz}$, $\sigma = 0.750 \text{ S/m}$, tissue density = $1,000 \text{ kg/m}^3$

Dist. [mm]	Peak incident fields [rms]		psSAR [mW/kg]		H-field extent	Warnings		
	Hinc [A/m]	Einc [V/m]	1g avg.	10g avg.	-20 dB radius [mm]	Sign	Vector potential	Boundary effect
0.00	2,415	58.2	27.1	11.5	31.0	28%	10%	9%

Document generated at 2026/05/19 16:53:12, simulation performed at 2026/05/19 16:52:57 using Sim4Life version 9.0.0.18820

3. CW 127.55 kHz - Coil 2 active

Device under test

- Info: WCH-313a,127.55 kHz_CW_Coil2
- Serial number: S8W-00117.04.2636165121
- Scenario: Start position is probe centered on EUT surface / Min. peak search frequency [kHz] 50 Max. peak search frequency [kHz] 210 Pulse repetition interval [s] 0.2

Tool info

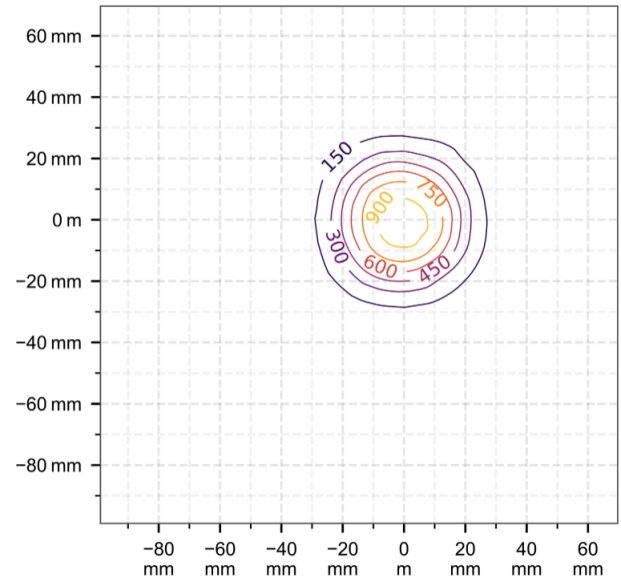
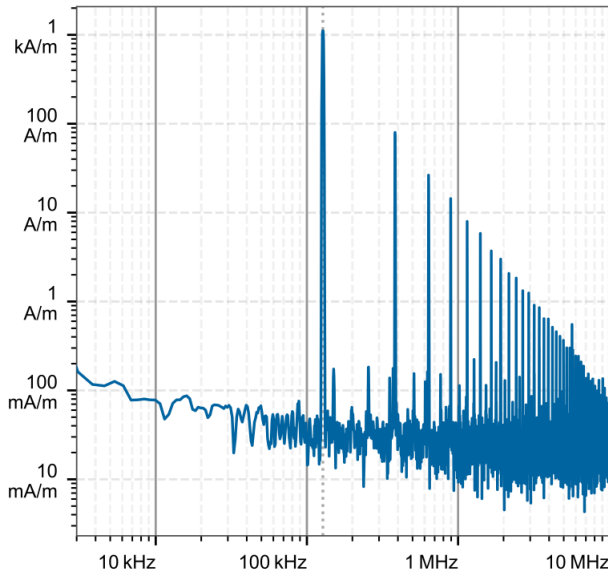
- DASY software version: DASY8 Module WPT 3.4.0.6944
- Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000009, 2025/11/11
- Software version: 3.4.0, backend: 3.2.21
- Hardware version: FPGA: 100, FW: N/A

Scan info

- Center location x: -30.00 μm , y: -40.00 μm , z: 127.47 mm
- Dimensions x: 168.6 mm, y: 168.6 mm, z: 37.0 mm
- Resolution x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
- Completed on 2026/05/19 17:38:52

Measurement results

- Maximum H-field [rms]magnitude: 971.49 A/m
x: 168.08 A/m, y: 212.35 A/m, z: 932.97 A/m
 - Maximum H-field location relative to DUT
x: -3.67 mm, y: -3.67 mm, z: 8.50 mm
 - Maximum E-field [rms]magnitude: 54.27 V/m
x: 42.10 V/m, y: 19.89 V/m, z: 27.88 V/m
 - Maximum E-field location relative to DUT
x: 0.00 m, y: 14.67 mm, z: 0.00 m
 - Distance to -20.0 dB boundary 29.33 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

$f = 127.59 \text{ kHz}$, $\sigma = 0.750 \text{ S/m}$, tissue density = $1,000 \text{ kg/m}^3$

Dist. [mm]	Peak incident fields [rms]		psSAR [mW/kg]		H-field extent	Warnings		
	Hinc [A/m]	Einc [V/m]	1g avg.	10g avg.	-20 dB radius [mm]	Sign	Vector potential	Boundary effect
0.00	2,221	54.3	23.4	10.1	31.3	2%	11%	9%

Document generated at 2026/05/19 17:43:01, simulation performed at 2026/05/19 17:40:52 using Sim4Life version 9.0.0.18820

4. CW 127.55 kHz - Coil 1+2 active

Device under test

- Info: WCH-313a, 2x 127.55 kHz_CW_Coil1+2
- Serial number: S8W-00117.04.2636165121
- Scenario: Start position is probe centered on EUT surface / Min. peak search frequency [kHz] 50 Max. peak search frequency [kHz] 210 Pulse repetition interval [s] 0.2

Tool info

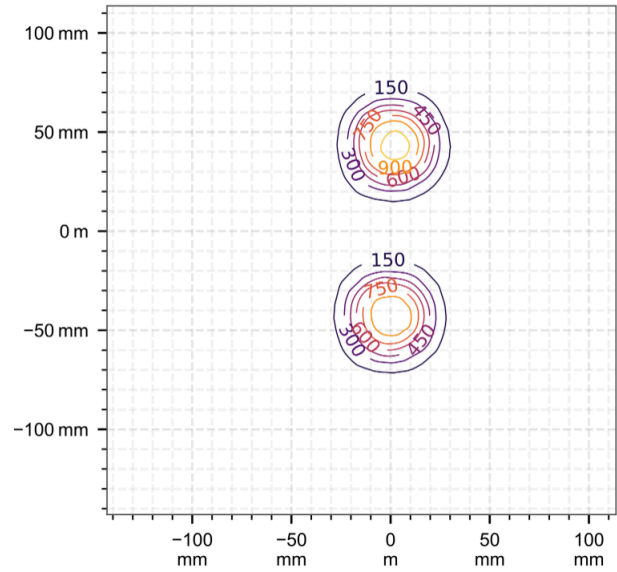
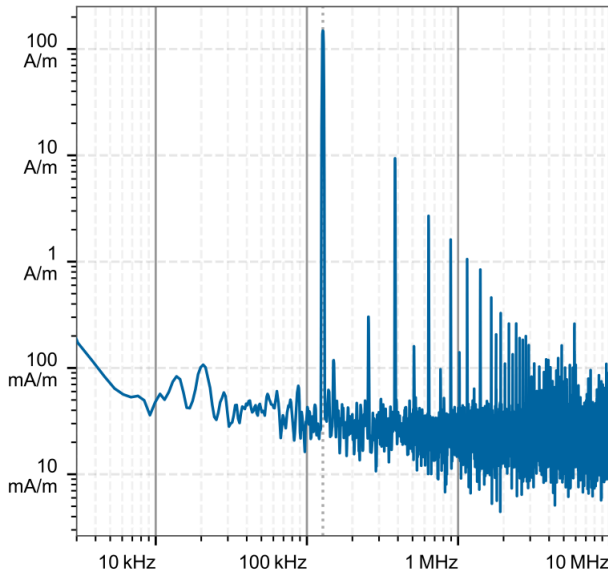
- DASY software version: DASY8 Module WPT 3.4.0.6944
- Probe model, serial no. and configuration date: MAGPy-8H3D+E3Dv2, WP000009, 2025/11/11
- Software version: 3.4.0, backend: 3.2.21
- Hardware version: FPGA: 100, FW: N/A

Scan info

- Center location x: -60.00 μm , y: -20.00 μm , z: 126.96 mm
- Dimensions x: 257.0 mm, y: 257.0 mm, z: 37.0 mm
- Resolution x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
- Completed on 2026/05/15 16:35:26

Measurement results

- Maximum H-field [rms]magnitude: 1.10 kA/m
x: 150.55 A/m, y: 255.15 A/m, z: 1.05 kA/m
 - Maximum H-field location relative to DUT
x: 3.67 mm, y: 40.33 mm, z: 8.50 mm
 - Maximum E-field [rms]magnitude: 64.21 V/m
x: 47.55 V/m, y: 23.32 V/m, z: 36.30 V/m
 - Maximum E-field location relative to DUT
x: 0.00 m, y: 58.67 mm, z: 0.00 m
 - Distance to -20.0 dB boundary 29.33 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

$f = 127.59 \text{ kHz}$, $\sigma = 0.750 \text{ S/m}$, tissue density = $1,000 \text{ kg/m}^3$

Dist. [mm]	Peak incident fields [rms]		psSAR [mW/kg]		H-field extent -20 dB radius [mm]	Warnings		
	Hinc [A/m]	Einc [V/m]	1g avg.	10g avg.		Sign	Vector potential	Boundary effect
0.00	2,586	64.2	32.0	13.8	43.4	46%	24%	14%

Document generated at 2026/05/29 14:13:57, simulation performed at 2026/05/29 14:13:28 using Sim4Life version 9.0.0.18820

5. CW 360.00 kHz - Coil 1 active

Device under test

- Info: WCH-313a, 360.00 kHz_CW_Coil1
- Serial number: S8W-00117.04.2636165121
- Scenario: start position is probe centered on EUT surface / Min. peak search frequency [kHz] 280 Max. peak search frequency [kHz] 440 Pulse repetition interval [s] 0.2

Tool info

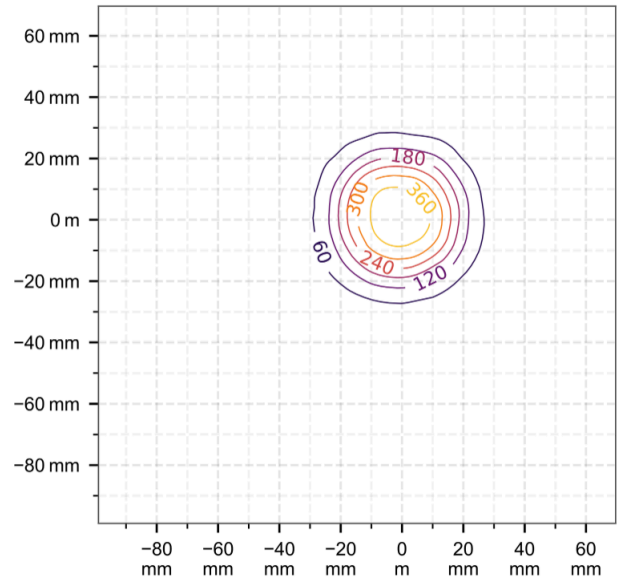
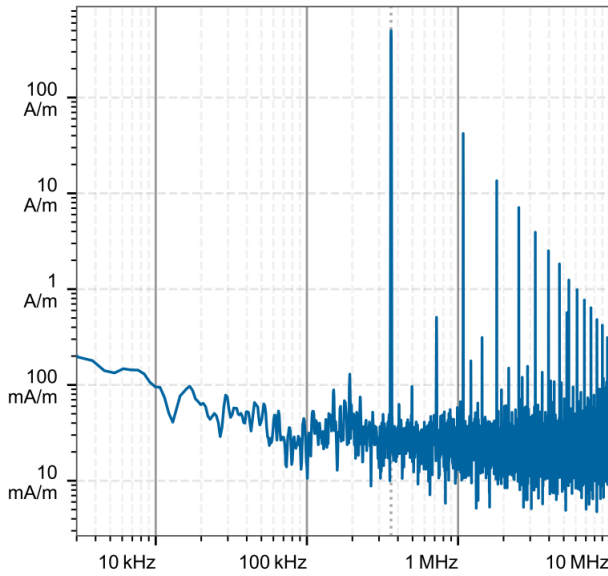
- DASY software version: DASY8 Module WPT 3.4.0.6944
- Probe model, serial no. and configuration date: MAGPy-8H3D+E3Dv2, WP000009, 2025/11/11
- Software version: 3.4.0, backend: 3.2.21
- Hardware version: FPGA: 100, FW: N/A

Scan info

- Center location x: -60.00 μ m, y: 0.00 m, z: 127.47 mm
- Dimensions x: 168.7 mm, y: 168.7 mm, z: 37.0 mm
- Resolution x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
- Completed on 2026/05/19 15:57:07

Measurement results

- Maximum H-field [rms]magnitude: 396.83 A/m
x: 67.79 A/m, y: 46.96 A/m, z: 388.17 A/m
 - Maximum H-field location relative to DUT
x: -3.67 mm, y: 3.67 mm, z: 8.50 mm
 - Maximum E-field [rms]magnitude: 59.04 V/m
x: 47.33 V/m, y: 30.36 V/m, z: 18.01 V/m
 - Maximum E-field location relative to DUT
x: 0.00 m, y: 14.67 mm, z: 0.00 m
 - Distance to -20.0 dB boundary 29.33 mm
 - Offset relative to DUTx: 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

$f = 360.36 \text{ kHz}$, $\sigma = 0.750 \text{ S/m}$, tissue density = $1,000 \text{ kg/m}^3$

Dist. [mm]	Peak incident fields [rms]		psSAR [mW/kg]		H-field extent	Warnings		
	Hinc [A/m]	Einc [V/m]	1g avg.	10g avg.	-20 dB radius [mm]	Sign	Vector potential	Boundary effect
0.00	942	59.0	32.5	13.7	30.9	3%	9%	9%

Document generated at 2026/05/19 16:02:42, simulation performed at 2026/05/19 16:01:17 using Sim4Life version 9.0.0.18820

6. CW 360.00 kHz - Coil 2 active

Device under test

- Info: WCH-313a, 360.00 kHz_CW_Coil2
- Serial number: S8W-00117.04.2636165121
- Scenario: start position is probe centered on EUT surface / Min. peak search frequency [kHz] 280 Max. peak search frequency [kHz] 440 Pulse repetition interval [s] 0.2

Tool info

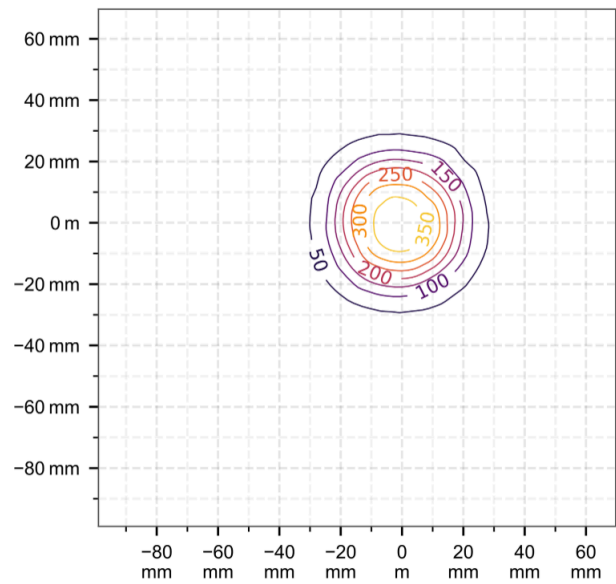
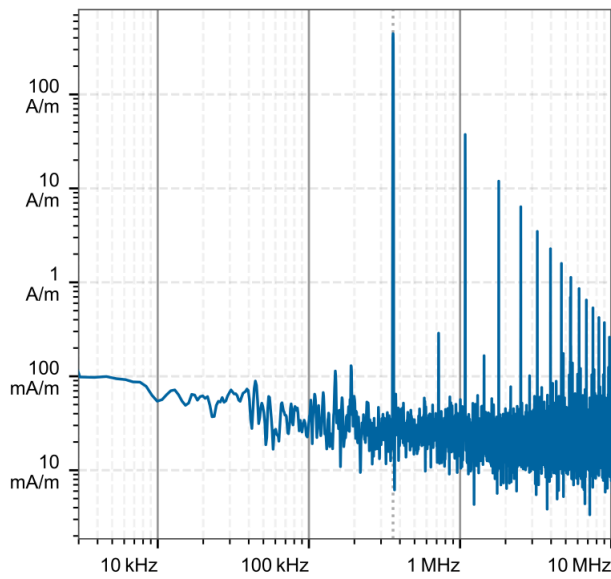
- DASY software version: DASY8 Module WPT 3.4.0.6944
- Probe model, serial no. and configuration date: MAGPy-8H3D+E3Dv2, WP000009, 2025/11/11
- Software version: 3.4.0, backend: 3.2.21
- Hardware version: FPGA: 100, FW: N/A

Scan info

- Center location x: -60.00 μm , y: -10.00 μm , z: 127.47 mm
- Dimensions x: 168.7 mm, y: 168.7 mm, z: 37.0 mm
- Resolution x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
- Completed on 2026/05/19 16:19:08

Measurement results

- Maximum H-field [rms]magnitude: 382.06 A/m
x: 63.67 A/m, y: 89.30 A/m, z: 365.98 A/m
 - Maximum H-field location relative to DUT
x: -3.67 mm, y: -3.67 mm, z: 8.50 mm
 - Maximum E-field [rms]magnitude: 56.62 V/m
x: 46.93 V/m, y: 23.16 V/m, z: 21.63 V/m
 - Maximum E-field location relative to DUT
x: 0.00 m, y: 14.67 mm, z: 0.00 m
 - Distance to -20.0 dB boundary 29.33 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

$f = 360.36 \text{ kHz}$, $\sigma = 0.750 \text{ S/m}$, tissue density = $1,000 \text{ kg/m}^3$

Dist. [mm]	Peak incident fields [rms]		psSAR [mW/kg]		H-field extent	Warnings		
	Hinc [A/m]	Einc [V/m]	1g avg.	10g avg.	-20 dB radius [mm]	Sign	Vector potential	Boundary effect
0.00	879	56.6	29.1	12.4	31.2	4%	11%	9%

Document generated at 2026/05/19 16:35:38, simulation performed at 2026/05/19 16:35:19 using Sim4Life version 9.0.0.18820

7. CW 360.00 kHz - Coil 1+2 active

Device under test

- Info: WCH-313a, 2x 360.00 kHz_CW_Coil1+2
- Serial number: S8W-00117.04.2636165121
- Scenario: start position is probe centered on EUT surface / Min. peak search frequency [kHz] 280 Max. peak search frequency [kHz] 440 Pulse repetition interval [s] 0.2

Tool info

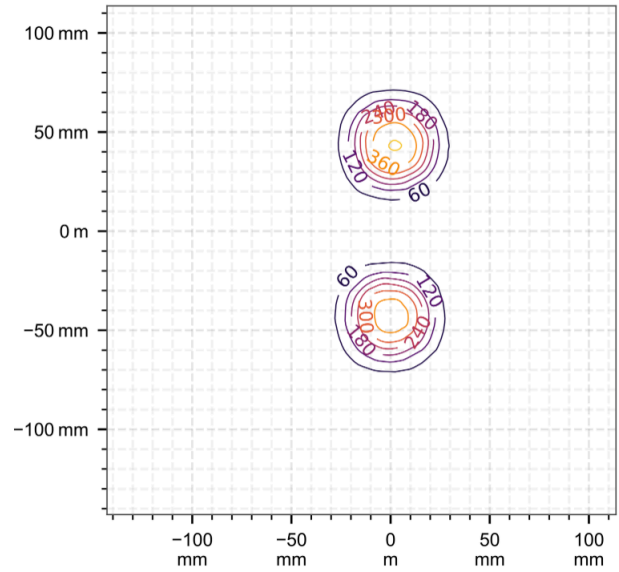
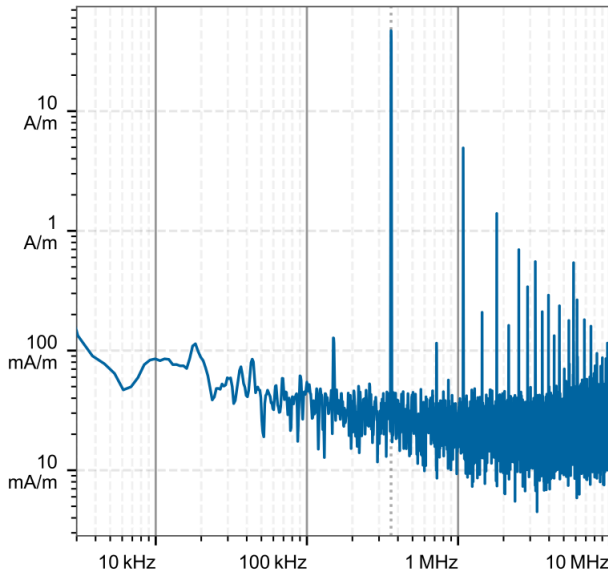
- DASY software version: DASY8 Module WPT 3.4.0.6944
- Probe model, serial no. and configuration date: MAGPy-8H3D+E3Dv2, WP000009, 2025/11/11
- Software version: 3.4.0, backend: 3.2.21
- Hardware version: FPGA: 100, FW: N/A

Scan info

- Center location x: -60.00 μm , y: -20.00 μm , z: 126.96 mm
- Dimensions x: 257.0 mm, y: 257.0 mm, z: 37.0 mm
- Resolution x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
- Completed on 2026/05/15 15:56:18

Measurement results

- Maximum H-field [rms]magnitude: 418.72 A/m
x: 55.98 A/m, y: 99.37 A/m, z: 402.89 A/m
- Maximum H-field location relative to DUT
x: 3.67 mm, y: 40.33 mm, z: 8.50 mm
- Maximum E-field [rms]magnitude: 65.45 V/m
x: 45.09 V/m, y: 24.66 V/m, z: 40.53 V/m
- Maximum E-field location relative to DUT
x: 7.33 mm, y: 14.67 mm, z: 0.00 m
- Distance to -20.0 dB boundary 29.33 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

$f = 360.36 \text{ kHz}$, $\sigma = 0.750 \text{ S/m}$, tissue density = $1,000 \text{ kg/m}^3$

Dist. [mm]	Peak incident fields [rms]		psSAR [mW/kg]		H-field extent -20 dB radius [mm]	Warnings		
	Hinc [A/m]	Einc [V/m]	1g avg.	10g avg.		Sign	Vector potential	Boundary effect
0.00	987	65.4	36.9	16.3	42.9	69%	11%	7%

Document generated at 2026/05/15 15:58:40, simulation performed at 2026/05/15 15:58:33 using Sim4Life version 9.0.0.18820

8. System Checks 400 kHz

WPT 3.4 - measurement – 15/05/2026		Peak Eind (V/m, rms)		Peak Jind (A/m ² , rms)	psSAR (mW/kg)	
Spacing (mm)	Peak Hinc (A/m, rms)	Cube avg.	Line avg.	Surface avg.	1g avg.	10g avg.
0	249	4.07	4.18	2.61	6.72	3.4

target values		Peak Eind (V/m, rms)		Peak Jind (A/m ² , rms)	psSAR (mW/kg)	
Spacing (mm)	Peak Hinc (A/m, rms)	Cube avg.	Line avg.	Surface avg.	1g avg.	10g avg.
0	277	4.38	4.5	2.77	7.48	3.69

Comparison (in dB)		Peak Eind (V/m, rms)		Peak Jind (A/m ² , rms)	psSAR (mW/kg)	
Spacing (mm)	Peak Hinc (A/m, rms)	Cube avg.	Line avg.	Surface avg.	1g avg.	10g avg.
0	-0.93	-0.64	-0.64	-0.52	-0.47	-0.36

WPT 3.4 - measurement – 19/05/2026		Peak Eind (V/m, rms)		Peak Jind (A/m ² , rms)	psSAR (mW/kg)	
Spacing (mm)	Peak Hinc (A/m, rms)	Cube avg.	Line avg.	Surface avg.	1g avg.	10g avg.
0	254	4.07	4.17	2.59	6.63	3.35

target values		Peak Eind (V/m, rms)		Peak Jind (A/m ² , rms)	psSAR (mW/kg)	
Spacing (mm)	Peak Hinc (A/m, rms)	Cube avg.	Line avg.	Surface avg.	1g avg.	10g avg.
0	277	4.38	4.5	2.77	7.48	3.69

Comparison (in dB)		Peak Eind (V/m, rms)		Peak Jind (A/m ² , rms)	psSAR (mW/kg)	
Spacing (mm)	Peak Hinc (A/m, rms)	Cube avg.	Line avg.	Surface avg.	1g avg.	10g avg.
0	-0.75	-0.64	-0.66	-0.58	-0.52	-0.42

9. Document History

Release	Applied changes	Release date
R01	initial release	June 16, 2026

End of document