DASY8 Module WPT Measurement Report

Device under test

Info:
V-Coil35085

Tool info

DASY software version:
DASY8 Module WPT 2.6.0.5002

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000211, *2024/05/16*

Software version:
2.0.63, backend: 2.2.22

Scan info

Center location:
x: 101.86 mm, **Y:** -110.33 mm, **z:** 36.87 mm

Dimensions:
x: 389.1 mm, **Y:** 476.0 mm, **z:** 36.6 mm

Resolution:
x: 7.33 mm, **Y:** 7.33 mm, **z:** 7.33 mm

Completed on:
2024/09/07

Measurement results

Maximum H-field [RMS]:
MAGNITUDE: 122.25 A/m
x: 112.17 A/m, **Y:** 23.63 A/m, **z:** 42.48 A/m

Maximum H-field location relative to DUT:
x: 91.67 mm, **Y:** -91.67 mm, **z:** 8.50 mm

Maximum E-field [RMS]:
MAGNITUDE: 165.88 V/m
x: 15.50 V/m, **Y:** 7.50 V/m, **z:** 164.98 V/m

Maximum E-field location relative to DUT:
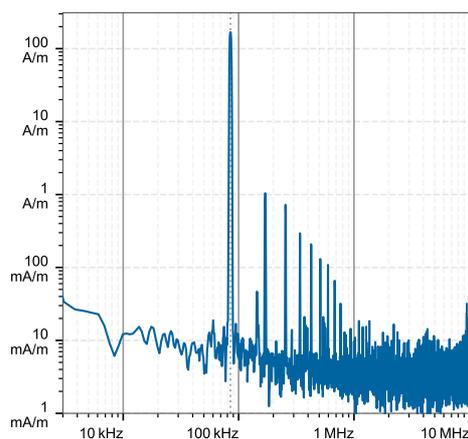**x:** 88.00 mm, **Y:** 146.67 mm, **z:** 0.00 m

Distance to -20.0 dB boundary:
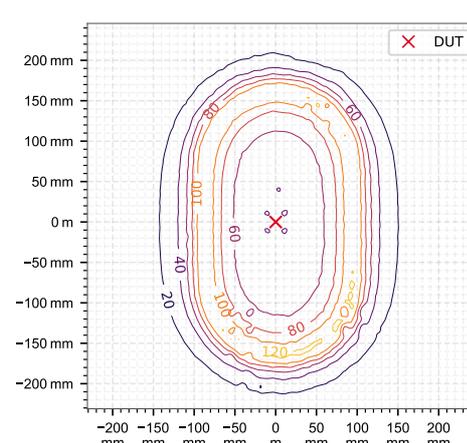69.57 mm

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

H-field magnitude [RMS] at maximum location

H-field magnitude [RMS] at lowest plane

Incident fields and induced fields in the homogeous phantom at the peak frequency

Distance [mm]	Peak incident fields [RMS] H_{inc} [A/m]	Peak incident fields [RMS] E_{inc} [V/m]	Peak E_{ind} [V/m, RMS] Cube avg.	Peak E_{ind} [V/m, RMS] Local	Peak E_{ind} [V/m, RMS] Line avg.	Peak J_{ind} [A/m^2, RMS] Surface avg.	psSAR [mW/kg] 1g avg.	psSAR [mW/kg] 10g avg.	H-field extent -20 dB radius [mm]
0.00	190	166	3.13	3.16	3.17	2.21	5.73	4.32	184
2.00	173	152	2.96	2.98	2.99	2.08	5.15	3.93	186

Compliance evaluation (Field values at the peak frequency)

Distance [mm]	ICNIRP 2010/2020 RL [RMS] pH_{inc} [A/m]	ICNIRP 2010/2020 RL [RMS] pE_{inc} [V/m]	ICNIRP 2010/2020 BR [RMS] pE_{ind} [V/m]	ICNIRP 2010/2020 BR [RMS] psSAR [mW/kg]	ICNIRP 1998 RL [RMS] pH_{inc} [A/m]	ICNIRP 1998 RL [RMS] pE_{inc} [V/m]	ICNIRP 1998 BR [RMS] pJ_{ind} [A/m^2]	ICNIRP 1998 BR [RMS] psSAR [mW/kg]	IEEE 2019 ERL [RMS] pH_{inc} [A/m]	IEEE 2019 ERL [RMS] pE_{inc} [V/m]	IEEE 2019 DRL [RMS] pE_{ind} [V/m]	IEEE 2019 DRL [RMS] psSAR [mW/kg]	FCC MPE [RMS] pH_{inc} [A/m]	FCC MPE [RMS] pE_{inc} [V/m]	FCC BR [RMS] pE_{ind} [V/m]	FCC BR [RMS] psSAR [mW/kg]	HC Code 6 RL [RMS] pH_{inc} [A/m]	HC Code 6 RL [RMS] pE_{inc} [V/m]	HC Code 6 BR [RMS] pE_{ind} [V/m]	HC Code 6 BR [RMS] psSAR [mW/kg]
0.00	190	166	23.7	4.32	190	166	2.21	4.32	190	166	12.3	4.32	190	166	N/A	5.73	190	166	33.8	5.73
2.00	173	152	22.4	3.93	173	152	2.09	3.93	173	152	11.7	3.93	173	152	N/A	5.15	173	152	32.0	5.15

Coverage factors: $w_{E_{ind}, cube\ avg.}$ = [7.56, 7.59], $w_{E_{ind}, local}$ = [10.67, 10.72], $w_{E_{ind}, line\ avg.}$ = [3.88, 3.90]

Compliance evaluation (Exposure ratios) *(with multi-frequency enhancement, total field evaluation, coverage evaluation)*

Distance [mm]	ICNIRP 2010/2020 RL pH_{inc} NS	ICNIRP 2010/2020 RL pH_{inc} TH	ICNIRP 2010/2020 RL pE_{inc} NS	ICNIRP 2010/2020 RL pE_{inc} TH	ICNIRP 2010/2020 BR pE_{ind} NS	ICNIRP 2010/2020 BR pE_{ind} TH	ICNIRP 2010/2020 BR psSAR NS	ICNIRP 2010/2020 BR psSAR TH	ICNIRP 1998 RL pH_{inc} N/A	ICNIRP 1998 RL pE_{inc} N/A	ICNIRP 1998 BR pJ_{ind} NS	ICNIRP 1998 BR pJ_{ind} TH	ICNIRP 1998 BR psSAR NS	ICNIRP 1998 BR psSAR TH	IEEE 2019 ERL pH_{inc} NS	IEEE 2019 ERL pH_{inc} TH	IEEE 2019 ERL pE_{inc} NS	IEEE 2019 ERL pE_{inc} TH	IEEE 2019 DRL pE_{ind} NS	IEEE 2019 DRL pE_{ind} TH	IEEE 2019 DRL psSAR NS	IEEE 2019 DRL psSAR TH	FCC MPE pH_{inc} N/A	FCC MPE pE_{inc} N/A	FCC BR pE_{ind} N/A	FCC BR psSAR TH	HC Code 6 RL pH_{inc} NS	HC Code 6 RL pH_{inc} TH	HC Code 6 RL pE_{inc} NS	HC Code 6 RL pE_{inc} TH	HC Code 6 BR pE_{ind} NS	HC Code 6 BR psSAR TH
0.00	9.03	N/A	5.59	N/A	2.06	N/A			37.9	5.33	13.0	N/A			1.16	N/A	0.76	N/A	0.69	N/A			2.11	3.53	N/A	N/A	2.11	N/A	5.59	N/A	2.94	N/A
2.00	8.24	N/A	5.13	N/A	1.96	N/A			34.6	4.89	12.3	N/A			1.06	N/A	0.69	N/A	0.66	N/A			1.92	3.25	N/A	N/A	1.92	N/A	5.13	N/A	2.79	N/A

Coverage factors: $w_{E_{ind}, cube\ avg.}$ = [7.56, 7.59], $w_{E_{ind}, local}$ = [10.67, 10.72], $w_{E_{ind}, line\ avg.}$ = [3.88, 3.90]

Simulation performed at 2024/09/07 using Sim4Life version 8.0.1.15446