DASY8 Module WPT Measurement Report

Device under test

Info:
1_Front_0mm

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: 5.86 mm, **Y:** -67.36 mm, **z:** 10.46 mm

Dimensions:
x: 124.6 mm, **Y:** 212.3 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: 124.95 A/m
x: 6.55 A/m, **Y:** 121.01 A/m, **z:** 30.44 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: 15.34 V/m
x: 6.93 V/m, **Y:** 3.14 V/m, **z:** 13.32 V/m

Maximum E-field location relative to DUT:
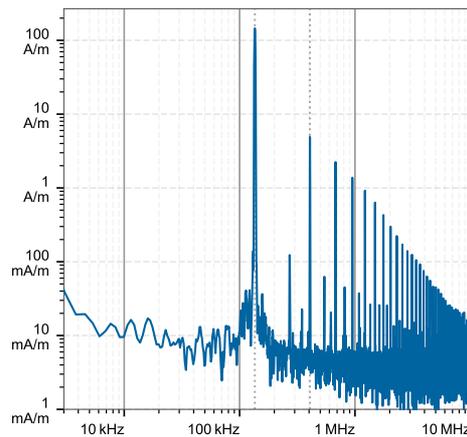**x:** 7.33 mm, **Y:** 7.33 mm, **z:** 0.00 m
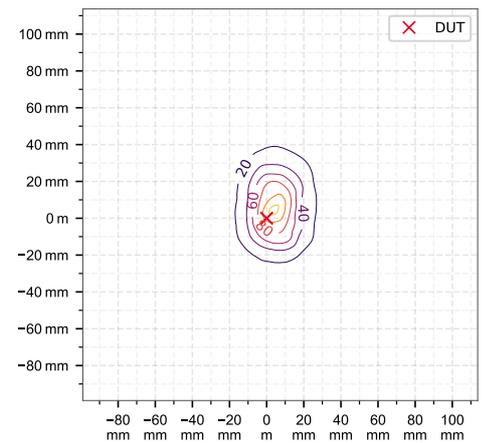
Distance to -20.0 dB boundary:
29.33 mm

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

H-field magnitude [RMS] at 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/m², RMS] Surface avg.	psSAR [mW/kg] 1g avg.	psSAR [mW/kg] 10g avg.	H-field extent -20 dB radius [mm]
0.00	281	15.3	1.43	1.49	1.49	0.829	0.587	0.196	28.5

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/m²]	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	281	15.3	7.46	0.196	281	15.3	0.829	0.196	281	15.3	4.28	0.196	281	15.3	N/A	0.587	281	15.3	11.0	0.587

Coverage factors: $w_{E_{ind, cube\ avg.}}$ = [5.23], $w_{E_{ind, local}}$ = [7.38], $w_{E_{ind, line\ avg.}}$ = [2.88]

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	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	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	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	13.8	7.86	1.67	0.30	0.42	<0.01		56.8	2.1		3.17	<0.01	11.78	1.06		0.23	0.05	0.16	<0.01	173.0	0.48	N/A	<0.01	3.23	52.8	1.67	1.18	0.62	<0.01

Coverage factors: $w_{E_{ind, cube\ avg.}}$ = [5.23], $w_{E_{ind, local}}$ = [7.38], $w_{E_{ind, line\ avg.}}$ = [2.88]

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