

DASY8 Module WPT Measurement Report

Device under test

Info:
VCoil35085

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:
2.0.61, backend: 2.2.22

Scan info

Center location:
x: 12.66 mm, y: -76.97 mm, z: 36.48 mm

Dimensions:
x: 388.0 mm, y: 521.0 mm, z: 36.6 mm

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

Completed on:
2024/06/11

Measurement results

Maximum H-field [RMS]:

MAGNITUDE: 124.91 A/m

x: 67.30 A/m, y: 86.11 A/m, z: 60.48 A/m

Maximum H-field location relative to DUT:

x: 55.00 mm, y: -143.00 mm, z: 8.50 mm

Maximum E-field [RMS]:

MAGNITUDE: 142.36 V/m

x: 11.70 V/m, y: 8.34 V/m, z: 141.64 V/m

Maximum E-field location relative to DUT:

x: 44.00 mm, y: -168.67 mm, z: 0.00 m

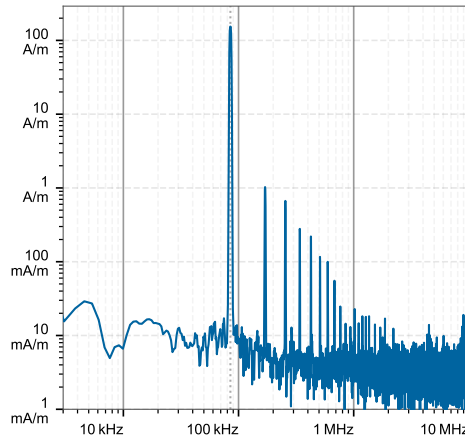
Distance to -20.0 dB boundary:

51.85 mm

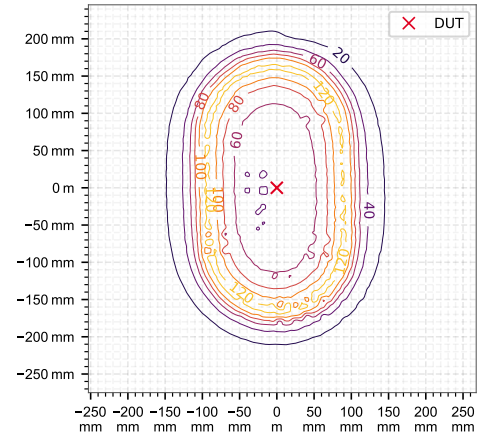
Offset relative to DUT:

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 homogeneous phantom at the peak frequency

Distance [mm]	Peak incident fields [RMS]				Peak E _{ind} [V/m, RMS]			Peak J _{ind} [A/m ² , RMS]	psSAR [mW/kg]		H-field extent
	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	192	142	3.27	3.29	3.30	2.31	6.29	4.73	183		
2.00	176	132	3.08	3.11	3.12	2.18	5.65	4.31	186		

Compliance evaluation (Field values at the peak frequency)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	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/m ²]	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	192	142	24.7	4.73	192	142	2.31	4.73	192	142	12.8	4.73	192	142	N/A	6.29	192	142	35.1	6.29
2.00	176	132	23.4	4.31	176	132	2.18	4.31	176	132	12.1	4.31	176	132	N/A	5.65	176	132	33.3	5.65

Coverage factors: $w_{E_{ind, cube avg.}} = [7.55, 7.58]$, $w_{E_{ind, local}} = [10.67, 10.71]$, $w_{E_{ind, line avg.}} = [3.88, 3.89]$

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 6									
	RL		BR		RL		BR		ERL		DRL		MPE		BR		RL		BR							
	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH						
0.00	19.2	N/A	15.3	N/A	6.65	N/A	31.7	14.8	22.7	N/A	1.42	N/A	-2.1	N/A	-2.84	N/A	6.58	9.68	N/A	N/A	6.58	N/A	15.3	N/A	9.72	N/A
2.00	18.5	N/A	14.6	N/A	6.19	N/A	30.9	14.2	22.2	N/A	0.66	N/A	-2.74	N/A	-3.31	N/A	5.82	9.05	N/A	N/A	5.82	N/A	14.6	N/A	9.26	N/A

Coverage factors: $w_{E_{ind, cube avg.}} = [7.55, 7.58]$, $w_{E_{ind, local}} = [10.67, 10.71]$, $w_{E_{ind, line avg.}} = [3.88, 3.89]$