APPENDIX C: TEST PLOTS

cDASY6 Module WPT Measurement Report

Device under test

Model / Manufacturer:
C3K1997

Serial number:
0800E

Dimensions:
293 mm x 208 mm x 10 mm

Measurement scenario:
URS (peak search, back, USB AC power, display on, keyboard@180)

Hardware setup

DASY version:
cDASY6 Module WPT, 1.2.0.8

Notebook version:
1.2.5

Probe model / serial number:
Single Probe with reference / WP000100

Scan setup

Type:
Static

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

Dimensions:
X: 294.00 mm, Y: 294.00 mm, Z: 14.00 mm

Completed on:
2022/07/14 14:22:43

Measurement results

Maximum H-field:
25.08 mA/m (rms)

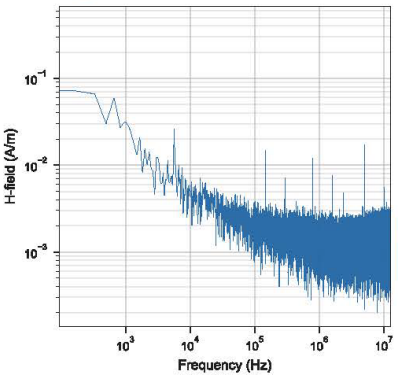
Location of maximum relative to DUT:
X: -28.00 mm, Y: -63.00 mm, Z: 21.00 mm

Maximum H-field (x, y, z):
33.41 mA/m, 21.51 mA/m, 10.76 mA/m

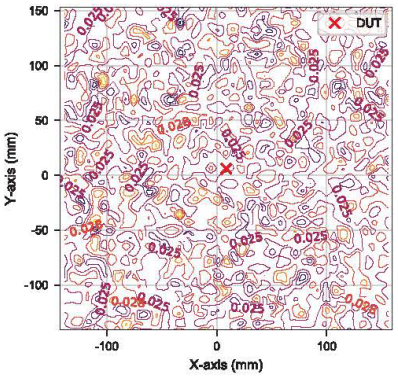
Peak frequency:
5.62 kHz (median)

Distance to -20.0 dB boundary:
NaN

H-field magnitude at maximum



H-field magnitude at lowest plane



Induced quantities in the anatomical model

(f = 5.62 kHz, σ = 0.355 S/m, reconstruction error = 159.9%)

Spacing (mm)	Peak Hinc (A/m, rms)	Peak Eind (V/m, rms)		Peak Jind (A/m^2, rms)	psSAR (mW/kg)		
		Cube avg.	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius (mm)
0 *	0.035	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	166

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)
0 *	10.8	-113	-108	27.4	-88.7	-108	-6.61	-117	-108	17.6	-114	-105	27.3	-114	-105

Standard compliance evaluation (coverage factor-adjusted)

(Coefficients $w_{Eo} = 3.0$, $w_{El} = 2.0$, $w_J = 1.0$, $w_{SAR1g} = 1.0$, $w_{SAR10g} = 1.0$)

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)
0 *	-93.4	-103	-78.2	-103	-100	-103	-93.5	-99.3	-93.5	-99.3

cDASY6 Module WPT Measurement Report

Device under test

Model / Manufacturer:
C3K1997

Serial number:
0800E

Dimensions:
293 mm x 208 mm x 10 mm

Measurement scenario:
URS (147 kHz scan, back, USB AC power, display on, keyboard@180)

Hardware setup

DASY version:
cDASY6 Module WPT, 1.2.0.8

Notebook version:
1.2.5

Probe model / serial number:
Single Probe with reference / WP000100

Scan setup

Type:
Static

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

Dimensions:
X: 294.00 mm, Y: 294.00 mm, Z: 14.00 mm

Completed on:
2022/07/14 19:32:47

Measurement results

Maximum H-field:
14.28 mA/m (rms)

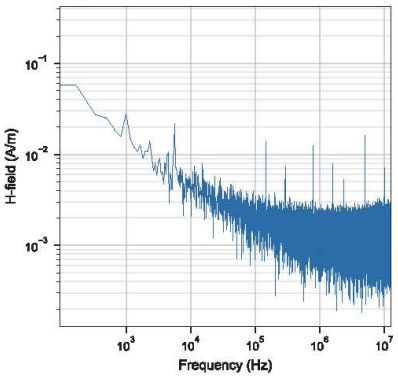
Location of maximum relative to DUT:
X: -70.00 mm, Y: -98.00 mm, Z: 14.00 mm

Maximum H-field (x, y, z):
14.86 mA/m, 14.69 mA/m, 8.58 mA/m

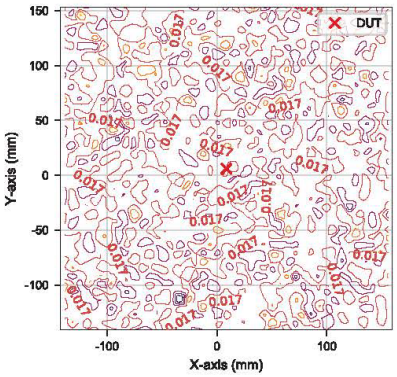
Peak frequency:
146.92 kHz (median)

Distance to -20.0 dB boundary:
NaN

H-field magnitude at maximum



H-field magnitude at lowest plane



Induced quantities in the anatomical model

(f = 147.00 kHz, σ = 0.355 S/m; reconstruction error = 74.5%)

		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.	-20 dB radius (mm)
0 *	0.016	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	166

Standard compliance evaluation

	ICNIRP 2020 (dB)			ICNIRP 1998 (dB)			IEEE 2019 (dB)			FCC 2020 (dB)			HC Code 6 (dB)		
Spacing (mm)	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)
0 *	3.24	-81.0	-73.0	19.8	-53.6	-73.0	-14.2	-84.4	-73.0	10.3	-80.6	-70.8	19.8	-80.6	-70.8

Standard compliance evaluation (coverage factor-adjusted)

(Coefficients: w_{Eb} = 3.0, w_{EI} = 2.0, w_{J} = 1.0, w_{SAR1g} = 1.0, w_{SAR10g} = 1.0)

	ICNIRP 2020 (dB)		ICNIRP 1998 (dB)		IEEE 2019 (dB)		FCC 2020 (dB)		HC Code 6 (dB)	
Spacing (mm)	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)
0 *	-61.0	-67.7	-43.1	-67.7	-67.9	-67.7	-60.6	-65.5	-60.6	-65.5

cDASY6 Module WPT Measurement Report

Device under test

Model / Manufacturer:
C3K1997

Serial number:
0800E

Dimensions:
293 mm x 208 mm x 10 mm

Measurement scenario:
URS (791 kHz scan, back, USB AC power, display on, keyboard@180)

Hardware setup

DASY version:
cDASY6 Module WPT, 1.2.0.8

Notebook version:
1.2.5

Probe model / serial number:
Single Probe with reference / WP000100

Scan setup

Type:
Static

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

Dimensions:
X: 294.00 mm, Y: 294.00 mm, Z: 14.00 mm

Completed on:
2022/07/15 01:37:42

Measurement results

Maximum H-field:
12.49 mA/m (rms)

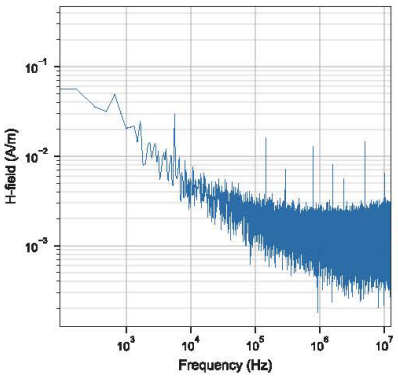
Location of maximum relative to DUT:
X: -63.00 mm, Y: 42.00 mm, Z: 14.00 mm

Maximum H-field (x, y, z):
11.84 mA/m, 13.15 mA/m, 9.03 mA/m

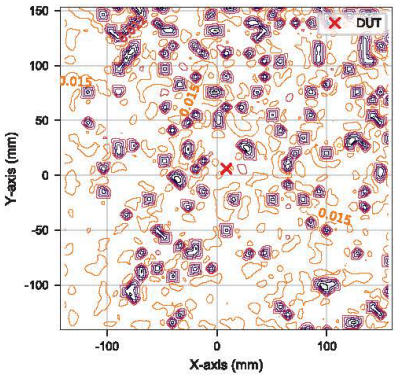
Peak frequency:
791.40 kHz (median)

Distance to -20.0 dB boundary:
7.00 mm

H-field magnitude at maximum



H-field magnitude at lowest plane



Induced quantities in the anatomical model

(f = 791.00 kHz, σ = 0.355 S/m; reconstruction error = 216.7%)

Spacing (mm)	Peak Hinc (A/m, rms)	Peak Eind (V/m, rms)		Peak Jind (A/m^2, rms)	psSAR (mW/kg)		
		Cube avg.	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius (mm)
0 *	0.025	0.003	0.003	0.001	< 0.001	< 0.001	166

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)
0 *	4.58	-63.7	-55.5	21.1	-36.0	-55.5	-12.8	-66.7	-55.5	11.4	-63.0	-53.4	21.1	-63.0	-53.4

Standard compliance evaluation (coverage factor-adjusted)

(Coefficients: w_{Eb} = 3.0, w_{EI} = 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)
0 *	-43.8	-50.3	-25.6	-50.3	-50.2	-50.3	-43.0	-48.2	-43.0	-48.2

cDASY6 Module WPT Measurement Report

Device under test

Model / Manufacturer:
C3K1997

Serial number:
0800E

Dimensions:
293 mm x 208 mm x 10 mm

Measurement scenario:
URS (5000 kHz scan, back, USB AC power, display on, keyboard@180)

Hardware setup

DASY version:
cDASY6 Module WPT, 1.2.0.8

Notebook version:
1.2.5

Probe model / serial number:
Single Probe with reference / WP000100

Scan setup

Type:
Static

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

Dimensions:
X: 294.00 mm, Y: 294.00 mm, Z: 14.00 mm

Completed on:
2022/07/15 12:46:57

Measurement results

Maximum H-field:
16.65 mA/m (rms)

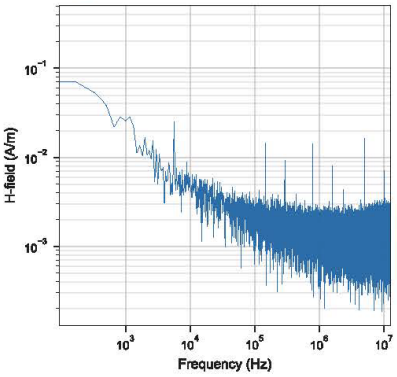
Location of maximum relative to DUT:
X: 7.00 mm, Y: -112.00 mm, Z: 21.00 mm

Maximum H-field (x, y, z):
23.11 mA/m, 5.16 mA/m, 4.91 mA/m

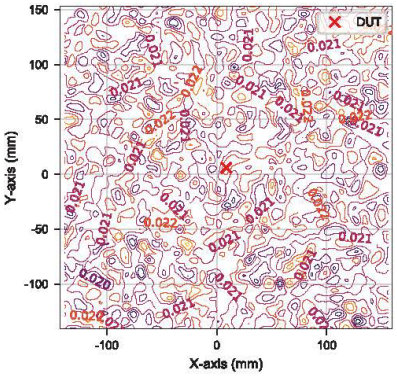
Peak frequency:
4.99 MHz (median)

Distance to -20.0 dB boundary:
NaN

H-field magnitude at maximum



H-field magnitude at lowest plane



Induced quantities in the anatomical model

(f = 4.99 MHz, σ = 0.355 S/m, reconstruction error = 25.7%)

Spacing (mm)	Peak Hinc (A/m, rms)	Peak Eind (V/m, rms)		Peak Jind (A/m^2, rms)	psSAR (mW/kg)		
		Cube avg.	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius (mm)
0 *	0.018	0.014	0.014	0.004	< 0.001	< 0.001	166

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)
0 *	1.04	-51.1	-44.5	17.6	-24.2	-44.5	-16.4	-54.6	-44.5	7.87	-51.0	-41.6	17.6	-51.0	-41.6

Standard compliance evaluation (coverage factor-adjusted)

(Coefficients $w_{Eb} = 3.0$, $w_{Ej} = 2.0$, $w_J = 1.0$, $w_{SAR1g} = 1.0$, $w_{SAR10g} = 1.0$)

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)
0 *	-31.1	-39.3	-13.8	-39.3	-38.2	-39.3	-31.0	-36.3	-31.0	-36.3

ELEMENT

DUT: C3K1997; Type: Tablet Device; Serial: 0800E

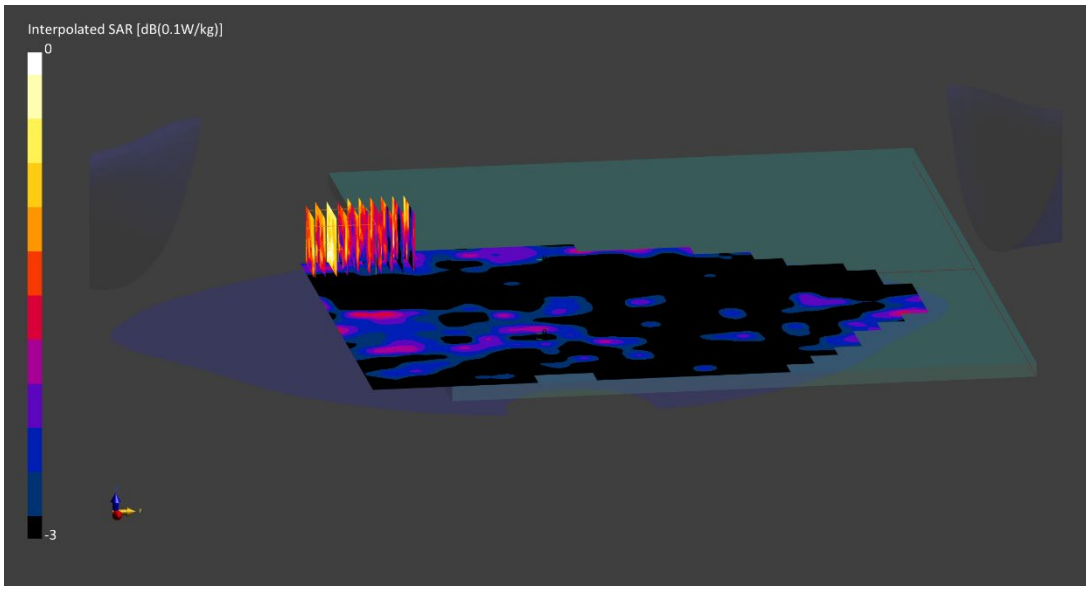
Communication System: UID:0, CW; MAIA: Y; Frequency: 5850.0 MHz
Medium: 5200-5800 Body; Medium parameters used:
f = 5850.0 MHz; cond = 6.24 S/m; perm = 46.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 07/13/2022; Ambient Temp: 21.1^{0}C; Tissue Temp: 21.5^{0}C

Probe: EX3DV4 - SN7551; ConvF:(4.04,4.04,4.04); Calibrated: 2021-10-26
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1449; Calibrated: 2021-09-15
Phantom: Twin-SAM V8.0 (Left); Serial: 1964
Measurement SW: DASY Module SAR V16.0.2.136

Mode: Unintentional, Back Side, 0 mm

Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4
Peak SAR (extrapolated) = 0.099 W/kg
SAR(1 g) = 0.072 W/kg; SAR(10 g) = 0.069 W/kg



ELEMENT

Date: 07/12/2022

Device Under Test Properties

DUT	Serial Number	DUT Type
C3K1997	0800E	Tablet Device

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Frequency [MHz]
5G	BACK	2.00	6000

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 – SN9407, 12/13/2021	DAE4ip SN1639, 01/21/2022

Software Setup

Software	Software Version
cDASY6 Module mmWave	3.0.0.841

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	300.0 x 350.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm^2]	4.00
pS_{tot} avg [W/m^2]	0.243
pS_n avg [W/m^2]	0.239
E_{peak} [V/m]	12.3