APPENDIX C: TEST PLOTS

cDASY6 Module WPT Measurement Report

Device under test

Model / Manufacturer:
PY7-84558E

Serial number:
056FX

Dimensions:
71 mm x 165 mm x 10 mm

Measurement scenario:
URS (back, AC power, 5.5 kHz)

Hardware setup

DASY version:
cDASY6 Module WPT, 1.2.0.8

Validation 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: 168.00 mm, Y: 168.00 mm, Z: 14.00 mm

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Measurement results

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

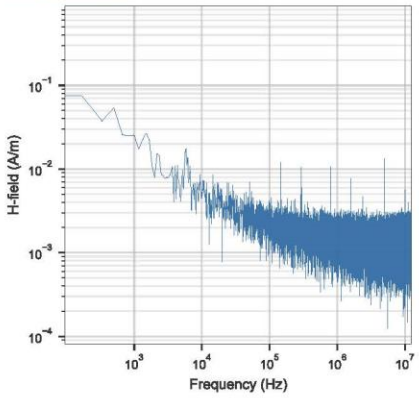
Location of maximum relative to DUT:
X: 21.00 mm, Y: 21.00 mm, Z: 21.00 mm

Maximum H-field (X, Y, Z):
32.75 mA/m, 17.70 mA/m, 11.67 mA/m

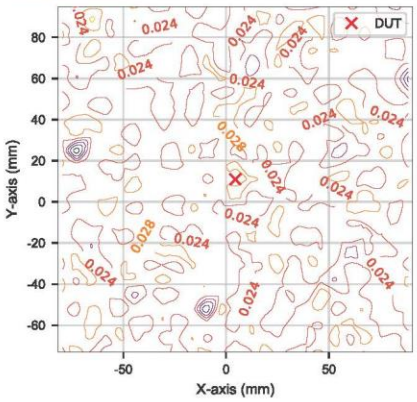
Peak frequency:
5.72 kHz (median)

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 = 5.72 kHz, d = 0.355 mm, reconstruction error = 95.9%)

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 *	0.042	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	95.3

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 *	9.82	-113	-109	26.4	-87.0	-109	-7.59	-116	-109	16.7	-112	-105	26.4	-112	-105

Standard compliance evaluation (coverage factor-adjusted)

(Coefficients w_{Eind} = 2.0, w_{psSAR} = 2.0, w_J = 1.0, $w_{psSAR,HC}$ = 1.0, $w_{psSAR,HC}$ = 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 *	-97.7	-107	-81.4	-107	-104	-107	-97.0	-103	-97.0	-103

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cDASY6 Module WPT Measurement Report

Device under test

Model / Manufacturer
PY7-84558E

Serial number
056FX

Dimensions
71 mm x 165 mm x 10 mm

Measurement scenario
URS (back, AC power, peak search & 4990 kHz)

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: 168.00 mm, Y: 168.00 mm, Z: 14.00 mm

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Measurement results

Maximum H-field
23.53 mA/m (rms)

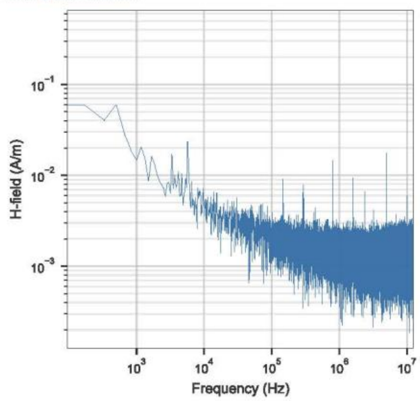
Location of maximum relative to DUT
X: -77.00 mm, Y: -70.00 mm, Z: 21.00 mm

Maximum H-field (x, y, z)
31.75 mA/m, 17.32 mA/m, 10.36 mA/m

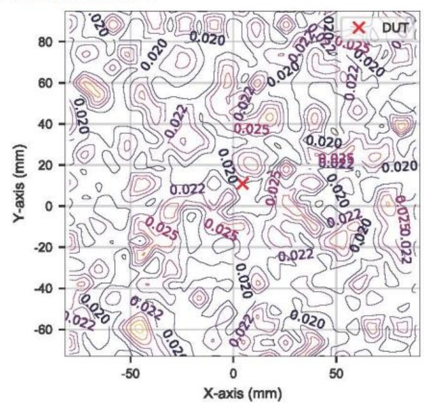
Peak frequency
4.99 MHz (median)

Distance to -20.0 dB boundary
NaN

H-field magnitude at maximum



H-field magnitude at lowest plane



Induced quantities in the anatomical model

Spacing (mm)	Peak Hinc (A/m, rms)	Peak Eind (V/m, rms) Cube avg.	Line avg.	Peak Jind (A/m^2, rms) Surface avg.	psSAR (mW/kg) 1g avg.	10g avg.	-20 dB radius (mm)
0 *	0.028	0.007	0.007	0.002	< 0.001	< 0.001	95.3

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 *	3.33	-58.2	-53.1	19.9	-31.5	-53.1	-14.1	-60.8	-53.1	10.1	-57.3	-49.2	19.9	-57.3	-49.2

Standard compliance evaluation (coverage factor-adjusted)

	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 *	-43.1	-50.3	-25.8	-50.3	-49.2	-50.3	-42.2	-46.4	-42.2	-46.4

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ELEMENT

DUT: PY7-84558E; Type: Portable Handset; Serial: 056FX

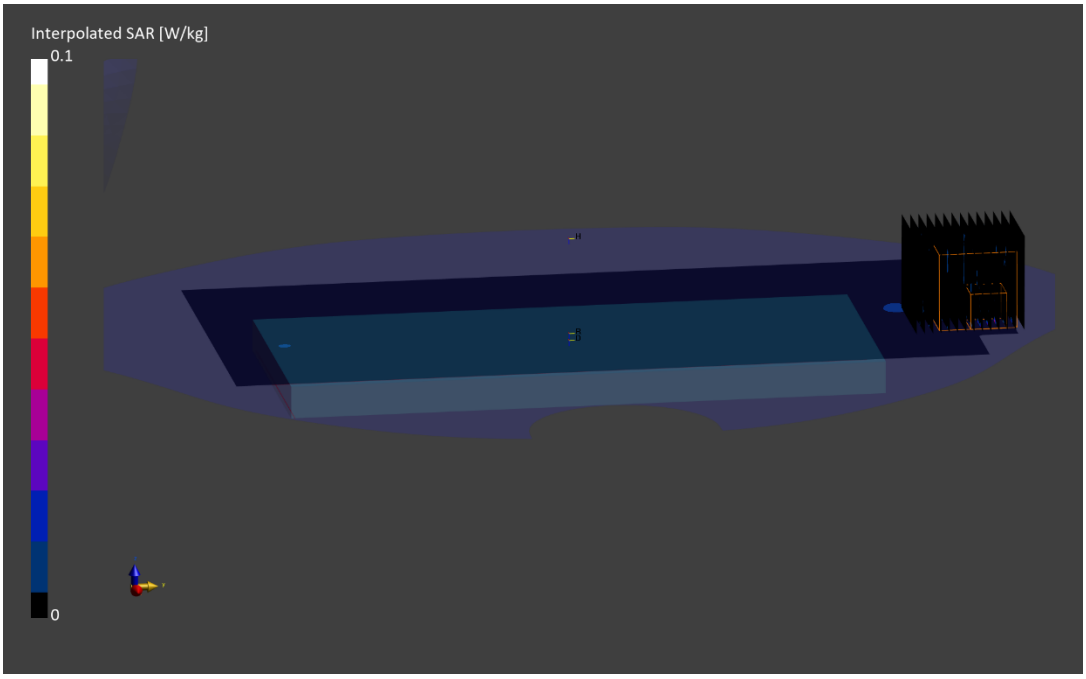
Communication System: UID:10010 - CAB, CW; MAIA: Y; Frequency: 5850.0 MHz
Medium: 5200-5800 Body; Medium parameters used:
f = 5850.0 MHz; cond = 6.27 S/m; perm = 46.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 04/03/2023; Ambient Temp: 22.1^{0}C; Tissue Temp: 21.8^{0}C

Probe: EX3DV4 - SN7570; ConvF:(4.3,4.3,4.3); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: Unintentional Radiator SAR, Back side 0mm

Area Scan (100.0 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=2.3 mm, dy=2.3 mm, dz=1.2 mm; Graded Ratio: 1.2
Peak SAR (extrapolated) = 0.054 W/kg
SAR(1 g) = 0.003 W/kg; SAR(10 g) = 0.002 W/kg
Smallest distance from peaks to all points 3 dB below is 1.0 mm
Ratio of SAR at M2 to SAR at M1 = 76.5 %



ELEMENT

Date: 03/06/2022

Device Under Test Properties

DUT	Serial Number	DUT Type
PY7-84558E	02847	Portable Handset

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_F1-55GHz, 2022-10-17	DAE4ip Sn1638, 2022-10-13

Software Setup

Software	Software Version
cDASY6 Module mmWave	3.0.0.841

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	150 x 200
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]	0.075
pS_n avg [W/m^2]	0.061
E_{peak} [V/m]	7.59