

APPENDIX C: TEST PLOTS

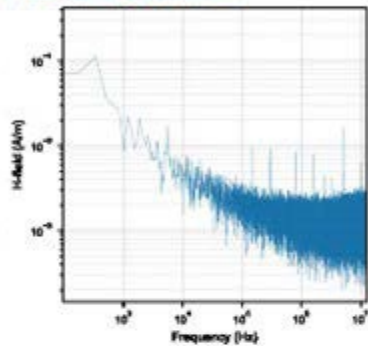
cDASY6 Module WPT Measurement Report

Device under test	Hardware setup	Scan setup
Model / Manufacturer: A3LSMF721JPN	DASY version: cDASY6 Module WPT, 1.2.0.8	Type: Static
Serial number: 1098M	Notebook version: 1.2.5	Resolution: X: 7.00 mm, Y: 7.00 mm, Z: 7.00 mm
Dimensions: 72 mm x 165 mm x 9 mm	Probe model / serial number: Single Probe with reference / WP000100	Dimensions: X: 168.00 mm, Y: 168.00 mm, Z: 14.00 mm
Measurement scenario: URS (open, back, AC power, 5.5 kHz scan)		Completed on: 2022/07/27 15:14:42

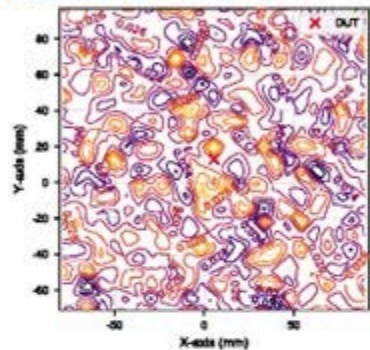
Measurement results

Maximum H-field: 25.72 mA/m (rms)
Location of maximum relative to DUT: X: -42.00 mm, Y: -26.00 mm, Z: 14.00 mm
Maximum H-field (x, y, z): 33.98 mA/m, 17.64 mA/m, 10.63 mA/m
Peak frequency: 5.34 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 = 5.34 kHz, g = 0.355 S/m, reconstruction error = 87.0%)

Spacing (mm)	Peak Hinc (A/m, rms)	Peak Eind (V/m, rms)	Peak Jind (A/m*2, rms)	peSAR (mW/kg)	1g avg.	10g avg.	-30 dB radius (mm)
0	0.034	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	95.3

Standard compliance evaluation

Spacing (mm)	ICNIRP 2020 (dB)			ICNIRP 1998 (dB)			IEEE 2019 (dB)			FCC 2020 (dB)			HC Code 8 (dB)		
	Peak Hinc (PS)	Peak Eind (BFR)	peSAR (BFR)	Peak Hinc (PS)	Peak Jind (BFR)	peSAR (BFR)	Peak Hinc (PS)	Peak Eind (BFR)	peSAR (BFR)	Peak Hinc (PS)	Peak Eind (BFR)	peSAR (BFR)	Peak Hinc (PS)	Peak Eind (BFR)	peSAR (BFR)
0	9.51	-115	-110	26.0	-85.5	-110	-7.91	-115	-110	16.3	-114	-106	26.0	-114	-106

Standard compliance evaluation (coverage factor-adjusted) (Coefficients: w20 = 3.0, w21 = 2.0, w2 = 1.0, w2avg = 1.0, w2arm20 = 1.0)

Spacing (mm)	ICNIRP 2020 (dB)			ICNIRP 1998 (dB)			IEEE 2019 (dB)			FCC 2020 (dB)			HC Code 8 (dB)		
	Peak Eind (BFR)	peSAR (BFR)		Peak Jind (BFR)	peSAR (BFR)		Peak Eind (BFR)	peSAR (BFR)		Peak Eind (BFR)	peSAR (BFR)		Peak Eind (BFR)	peSAR (BFR)	
0	-100.0	-107		-82.9	-107		-106	-107		-99.0	-103		-99.0	-103	

cDASY6 Module WPT Measurement Report

Device under test

Model / Manufacturer:
A3LSMF721JPN

Serial number:
1098M

Dimensions:
72 mm x 165 mm x 9 mm

Measurement scenario:
URS (open, back, AC power, 147 kHz scan)

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

Completed on:
2022/07/27 17:20:26

Measurement results

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

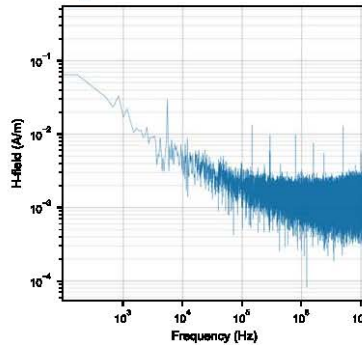
Location of maximum relative to DUT:
X: 49.00 mm, Y: -14.00 mm, Z: 14.00 mm

Maximum H-field (x, y, z):
13.33 mA/m, 10.86 mA/m, 7.32 mA/m

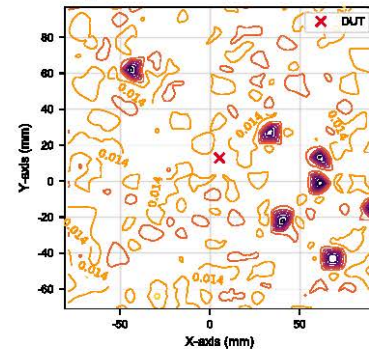
Peak frequency:
146.81 kHz (median)

Distance to -20.0 dB boundary:
81.63 mm

H-field magnitude at maximum



H-field magnitude at lowest plane



Induced quantities in the anatomical model (f = 147.00 kHz, $\sigma = 0.355$ S/m, reconstruction error = 81.6%)

Spacing (mm)	Peak Hinc (A/m, rms)	Peak Eind (V/m, rms)	Line avg.	Peak Jind (A/m^2, rms)	Surface avg.	peSAR (mW/kg)	1g avg.	10g avg.	-20 dB radius (mm)
0 *	0.016	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	95.3

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)	peSAR (BR)	Peak Hinc (RL)	Peak Jind (BR)	peSAR (BR)	Peak Hinc (RL)	Peak Eind (BR)	peSAR (BR)	Peak Hinc (RL)	Peak Eind (BR)	peSAR (BR)	Peak Hinc (RL)	Peak Eind (BR)	peSAR (BR)
0 *	2.65	-83.8	-76.6	19.2	-56.8	-76.6	-14.8	-87.3	-76.6	9.69	-83.6	-73.7	19.2	-83.6	-73.7

Standard compliance evaluation (coverage factor-adjusted) (Coefficients: $w_{EC} = 3.0$, $w_E = 2.0$, $w_J = 1.0$, $w_{SAR1g} = 1.0$, $w_{SAR10g} = 1.0$)

Spacing (mm)	ICNIRP 2020 (dB)			ICNIRP 1998 (dB)			IEEE 2019 (dB)			FCC 2020 (dB)			HC Code 6 (dB)		
	Peak Eind (BR)	peSAR (BR)	Peak Jind (BR)	Peak Hinc (BR)	peSAR (BR)	Peak Eind (BR)	peSAR (BR)	Peak Hinc (BR)	peSAR (BR)	Peak Eind (BR)	peSAR (BR)	Peak Hinc (BR)	peSAR (BR)	Peak Eind (BR)	peSAR (BR)
0 *	-68.7	-73.8	-51.2	-73.8	-73.8	-75.6	-73.8	-68.4	-70.9	-68.4	-70.9	-68.4	-70.9	-68.4	-70.9

cDASY6 Module WPT Measurement Report

Device under test

Model / Manufacturer:
A3LSMF721JPN

Serial number:
1098M

Dimensions:
72 mm x 165 mm x 9 mm

Measurement scenario:
URS (open, back, AC power, 790 kHz scan)

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

Completed on:
2022/07/27 18:49:00

Measurement results

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

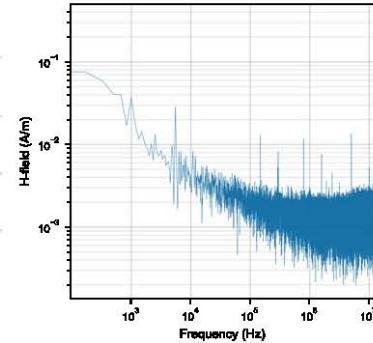
Location of maximum relative to DUT:
X: 56.00 mm, Y: -35.00 mm, Z: 7.00 mm

Maximum H-field (x, y, z):
11.57 mA/m, 11.19 mA/m, 9.47 mA/m

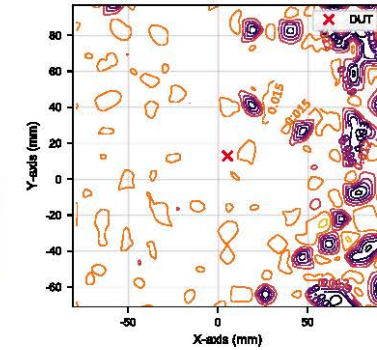
Peak frequency:
790.85 kHz (median)

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, $\sigma = 0.355$ S/m, reconstruction error = 247.8%)

Spacing (mm)	Peak Hinc (A/m, rms)	Peak Eind (V/m, rms)	Line avg.	Peak Jind (A/m^2, rms)	Surface avg.	peSAR (mW/kg)	1g avg.	10g avg.	-20 dB radius (mm)
0 *	0.025	0.002	0.002	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	95.0

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)	peSAR (BR)	Peak Hinc (RL)	Peak Jind (BR)	peSAR (BR)	Peak Hinc (RL)	Peak Eind (BR)	peSAR (BR)	Peak Hinc (RL)	Peak Eind (BR)	peSAR (BR)	Peak Hinc (RL)	Peak Eind (BR)	peSAR (BR)
0 *	10.5	-69.0	-60.7	27.0	-41.9	-60.7	-6.95	-72.5	-60.7	17.5	-68.8	-57.9	27.0	-68.8	-57.9

Standard compliance evaluation (coverage factor-adjusted) (Coefficients: $w_{EC} = 3.0$, $w_E = 2.0$, $w_J = 1.0$, $w_{SAR1g} = 1.0$, $w_{SAR10g} = 1.0$)

Spacing (mm)	ICNIRP 2020 (dB)		ICNIRP 1998 (dB)		IEEE 2019 (dB)		FCC 2020 (dB)		HC Code 6 (dB)	
	Peak Eind (BR)	peSAR (BR)	Peak Jind (BR)	peSAR (BR)	Peak Eind (BR)	peSAR (BR)	Peak Eind (BR)	peSAR (BR)	Peak Eind (BR)	peSAR (BR)
0 *	-53.9	-57.9	-36.4	-57.9	-60.9	-57.9	-53.7	-55.1	-53.7	-55.1

cDASY6 Module WPT Measurement Report

Device under test

Model / Manufacturer:
A3LSMF721JPN

Serial number:
1098M

Dimensions:
72 mm x 165 mm x 9 mm

Measurement scenario:
URS (open, back, AC power, 4990 kHz scan)

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

Completed on:
2022/07/27 20:36:46

Measurement results

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

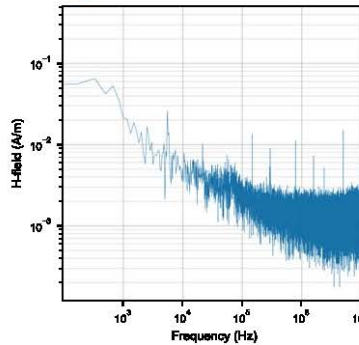
Location of maximum relative to DUT:
X: -14.00 mm, Y: -35.00 mm, Z: 14.00 mm

Maximum H-field (x, y, z):
22.39 mA/m, 4.92 mA/m, 4.45 mA/m

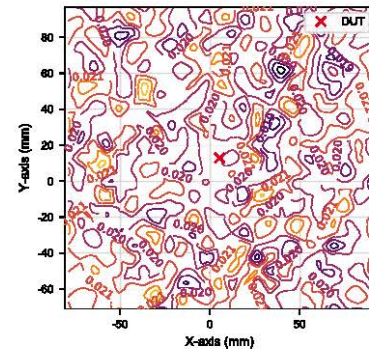
Peak frequency:
4.99 MHz (median)

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, $\alpha = 0.355$ S/m, reconstruction error = 23.3%)

Spacing (mm)	Peak Hinc (A/m, rms)	Peak Eind (V/m, rms)	Line avg.	Peak Jind (A/m ² , rms)	Surface avg.	peSAR (mW/kg)	1g avg.	10g avg.	-20 dB radius (mm)
0 *	0.017	0.010	0.010	0.003		< 0.001	< 0.001		95.3

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)	peSAR (BR)	Peak Hinc (RL)	Peak Jind (BR)	peSAR (BR)	Peak Hinc (RL)	Peak Eind (BR)	peSAR (BR)	Peak Hinc (RL)	Peak Eind (BR)	peSAR (BR)	Peak Hinc (RL)	Peak Eind (BR)	peSAR (BR)
0 *	2.13	-53.3	-47.8	18.7	-26.3	-47.8	-15.3	-56.3	-47.8	9.05	-52.7	-44.2	18.7	-52.7	-44.2

Standard compliance evaluation (coverage factor-adjusted) (Coefficients: $w_{Ez} = 3.0$, $w_{Ez} = 2.0$, $w_J = 1.0$, $w_{SAR1g} = 1.0$, $w_{SAR10g} = 1.0$)

Spacing (mm)	ICNIRP 2020 (dB)			ICNIRP 1998 (dB)			IEEE 2019 (dB)			FCC 2020 (dB)			HC Code 6 (dB)		
	Peak Eind (BR)	peSAR (BR)		Peak Jind (BR)	peSAR (BR)		Peak Eind (BR)	peSAR (BR)		Peak Eind (BR)	peSAR (BR)		Peak Eind (BR)	peSAR (BR)	
0 *	-38.2	-45.0		-20.7	-45.0		-44.7	-45.0		-37.5	-41.4		-37.5	-41.4	

ELEMENT

DUT: A3LSMF721JPN; Type: Portable Handset; Serial:VEH1098M

Communication System: UID:10010 - CAB, CW; MAIA: Y; Frequency: 5850.0 MHz
Medium: 5200-5800 Body; Medium parameters used:
f = 5850.0 MHz; cond = 6.32 S/m; perm = 46.2; density = 1000 kg/m³
Phantom Section: Flat; Space: 0.00 mm

Test Date: 07/26/2022; Ambient Temp: 20.5⁰C; Tissue Temp: 21.4⁰C

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

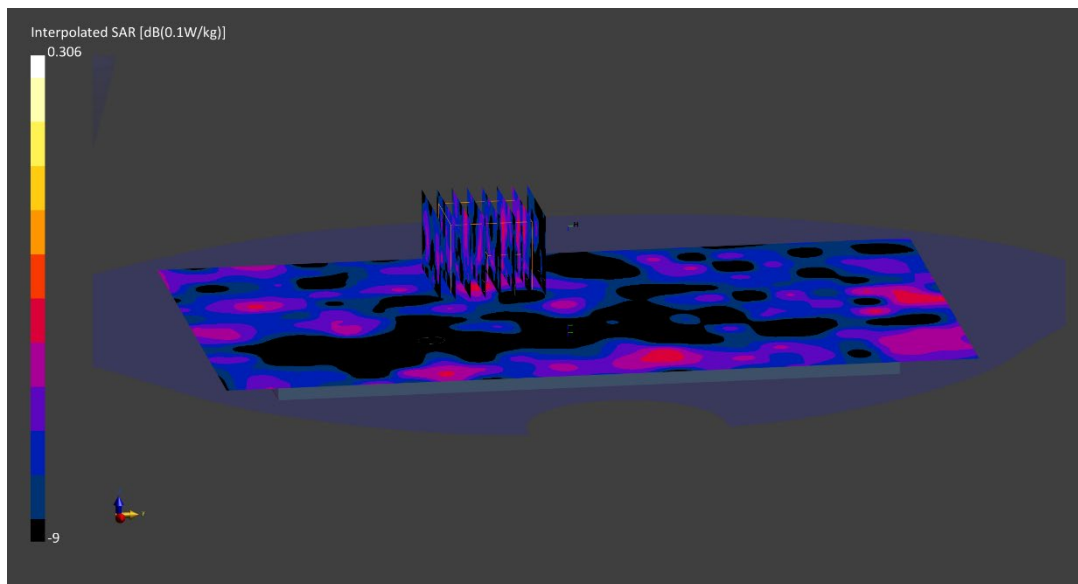
Area Scan (120.0 x 200.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Reference Value = 0.02 W/kg;

Peak SAR (extrapolated) = 0.107 W/kg

SAR(1 g) = 0.018 W/kg;



ELEMENT

Date: 07/27/2022

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF721JPN	VEH1104M	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, 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]	120 x 120
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]	0.316
pS _n avg [W/m ²]	0.304
E _{peak} [V/m]	12.1

