

## APPENDIX C: TEST PLOTS

## cDASY6 Module WPT Measurement Report

### Device under test

Model / Manufacturer:  
A3LSMF721U

Serial number:  
0991M (octa)

Dimensions:  
72 mm x 85 mm x 17 mm

Measurement scenario:  
URS (closed, back)

### 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: 98.00 mm, Y: 98.00 mm, Z: 14.00 mm

Completed on:  
2022/06/29 17:42:00

### Measurement results

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

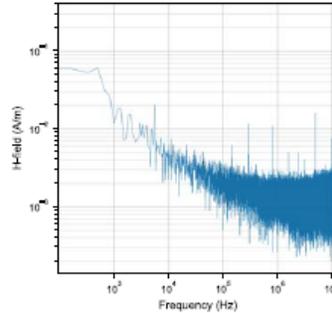
Location of maximum relative to DUT:  
X: 42.00 mm, Y: -42.00 mm, Z: 14.00 mm

Maximum H-field (x, y, z):  
30.20 mA/m, 15.90 mA/m, 8.88 mA/m

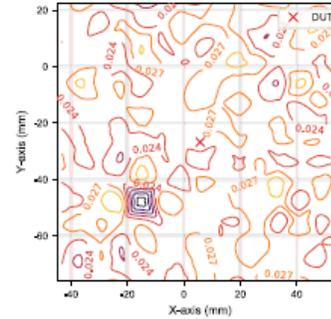
Peak frequency:  
5.51 kHz (median)

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 = 5.51 kHz, $\sigma = 0.355$ S/m, reconstruction error = 77.3%)

Spacing (mm)	Peak Hinc (A/m, rms)	Peak Eind (V/m, rms)		Peak Jind (A/m <sup>2</sup> , rms)		psSAR (mW/kg)		-20 dB radius (mm)
		Cube avg	Line avg	Surface avg	1g avg	10g avg		
0 *	0.032	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	55.9	

### 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 *	9.83	-116	-110	26.4	-90.0	-110	-7.59	-119	-110	16.8	-115	-107	26.4	-115	-107

### 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)	psSAR (BR)	Peak Jind (BR)	Peak Jind (BR)	psSAR (BR)	Peak Eind (BR)	psSAR (BR)	Peak Eind (BR)	psSAR (BR)	Peak Eind (BR)	psSAR (BR)	Peak Eind (BR)	psSAR (BR)	Peak Eind (BR)	psSAR (BR)
0 *	-105	-110	-89.0	-110	-110	-112	-110	-105	-107	-105	-107	-105	-107	-105	-107

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Measurement scenario:  
URS (closed, back)

### Hardware setup

DASY version:  
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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: 98.00 mm, Y: 98.00 mm, Z: 14.00 mm

Completed on:  
2022/06/29 19:27:16

### Measurement results

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

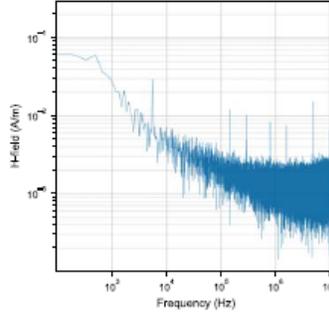
Location of maximum relative to DUT:  
X: 0.00 m, Y: -49.00 mm, Z: 14.00 mm

Maximum H-field (x, y, z):  
21.91 mA/m, 4.53 mA/m, 4.62 mA/m

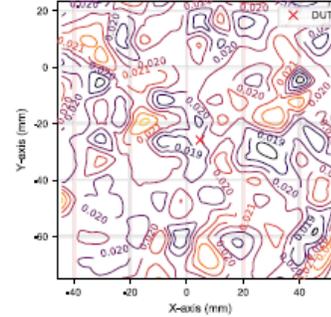
Peak frequency:  
4.99 MHz (median)

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, $\sigma = 0.355$ S/m, reconstruction error = 25.0%)

Spacing (mm)	Peak Hinc (A/m, rms)	Peak Eind (V/m, rms)		Peak Jind (A/m <sup>2</sup> , rms)		psSAR (mW/kg)		-20 dB radius (mm)
		Cube avg	Line avg	Surface avg	1g avg	10g avg		
0 *	0.017	0.008	0.008	0.002	< 0.001	< 0.001	55.9	

### 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 *	2.07	-56.9	-52.0	18.6	-30.0	-52.0	-15.3	-59.7	-52.0	9.01	-56.1	-47.9	18.6	-56.1	-47.9

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

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)	Peak Eind (BR)	psSAR (BR)	Peak Eind (BR)	psSAR (BR)	Peak Eind (BR)	psSAR (BR)	Peak Eind (BR)	psSAR (BR)	Peak Eind (BR)	psSAR (BR)		
0 *	-46.4	-51.5	-29.0	-51.5	-52.7	-51.5	-45.6	-47.4	-45.6	-47.4	-45.6	-47.4			

# ELEMENT

**DUT: A3LSMF721U; Type: Portable Handset; Serial: 0648M**

Communication System: UID:10010 - CAB, CW; MAIA: Y; Frequency: 5850.0 MHz  
Medium: 5200-5800 Body; Medium parameters used:  
f = 5850.0 MHz; cond = 6.20 S/m; perm = 47.6; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/24/2022; Ambient Temp: 22.4-C; Tissue Temp: 21.3-C

Probe: EX3DV4 - SN7659; ConvF:(4.67,4.67,4.67); Calibrated: 2022-04-20  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1407; Calibrated: 2022-04-13  
Phantom: Twin-SAM V5.0; Serial: 1873  
Measurement SW: DASY Module SAR V16.0.2.136

**Mode: Unintentional, Back Side, 0 mm**

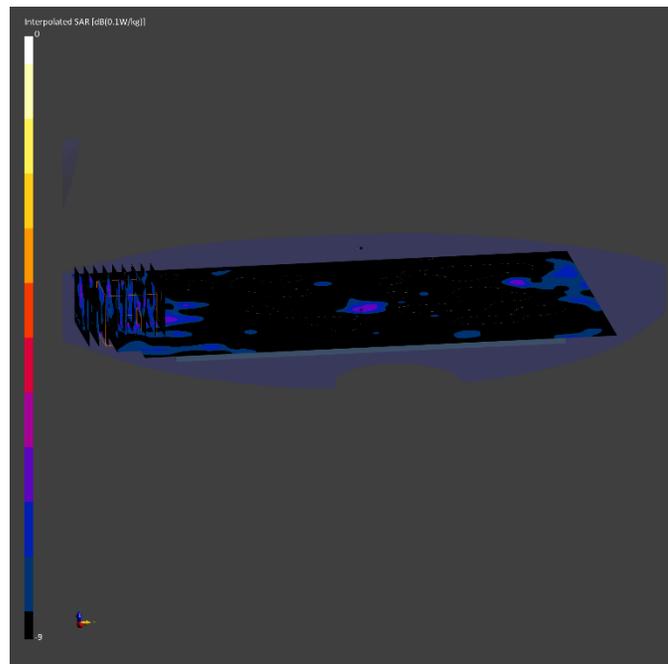
**Area Scan (120.0 x 200.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 0.042 W/kg

**SAR(1 g) = 0.014 W/kg;**



# Element

Date: 06/23/2022

## Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF721U	0303M	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 <sup>2</sup> ]	4.00
pS <sub>tot</sub> avg [W/m <sup>2</sup> ]	0.162
pS <sub>n</sub> avg [W/m <sup>2</sup> ]	0.167
E <sub>peak</sub> [V/m]	9.64

