

## APPENDIX C: TEST PLOTS

**cDASY6 Module WPT Measurement Report**

**Device under test**

Model/Manufacturer:  
 PY7-25682R  
 Serial number:  
 69747  
 Dimensions:  
 71 mm x 165 mm x 10 mm  
 Measurement scenario:  
 URS (back, AC power, 5.5 kHz)

**Hardware setup**

OS/OS version:  
 cDASY6 Module WPT, 1.2 0.8  
 Software version:  
 1.2.5  
 Probe model / serial number:  
 Single Probe with reference / WFO00100

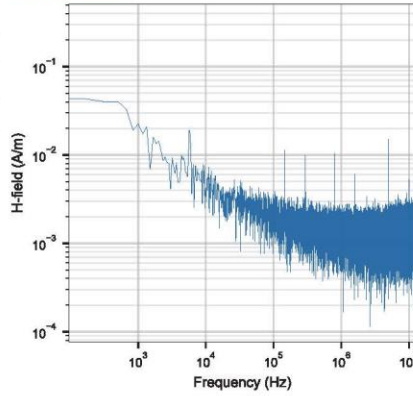
**Scan setup**

Test:  
 Static  
 Sweep rate:  
 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  
 Completion on:  
 2023/03/03 19:58:11

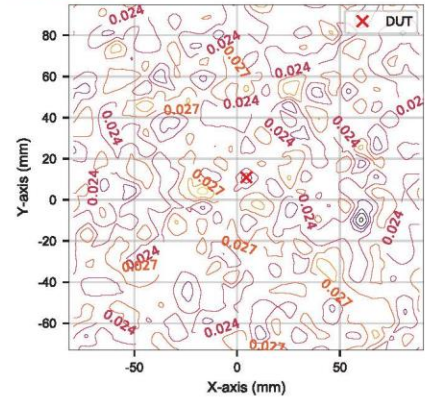
**Measurement results**

Maximum H-field:  
 24.68 mA/m (rms)  
 Location of maximum relative to DUT:  
 X: 28.00 mm, Y: 28.00 mm, Z: 14.00 mm  
 Maximum H-field (A, v, d):  
 33.02 mA/m, 18.04 mA/m, 15.66 mA/m  
 Peak frequency:  
 5.72 kHz (median)  
 Reference to -210 dB boundary:  
 NaN

H-field magnitude at maximum



H-field magnitude at lowest plane



**Induced quantities in the anatomical model** (f=5.72 kHz, m=0.200 g/m, acceleration=132.6%)

Spacing (mm)	Peak Hinc (A/m, rms)	Peak Einc (V/m, rms)	Cube avg	Line avg	Peak Jinc (A/m <sup>2</sup> , rms)	Surface avg	psSAR (mW/kg)	1g avg	10g avg	-20 dB radius (mm)
0 *	0.033	< 0.001	< 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 Einc (BR)	psSAR (BR)	Peak Hinc (RL)	Peak Einc (BR)	psSAR (BR)	Peak Hinc (RL)	Peak Einc (BR)	psSAR (BR)	Peak Hinc (RL)	Peak Einc (BR)	psSAR (BR)	Peak Hinc (RL)	Peak Einc (BR)	psSAR (BR)
0 *	9.75	-114	-110	26.3	-88.8	-110	-7.65	-117	-110	16.7	-114	-106	26.3	-114	-106

**Standard compliance evaluation (coverage factor-adjusted)** (DUT: 0.200 g/m, m=0.200 g/m, f=5.72 kHz, a=132.6%, f\_sar=1.0)

Spacing (mm)	ICNIRP 2020 (dB)			ICNIRP 1998 (dB)			IEEE 2019 (dB)			FCC 2020 (dB)			HC Code 6 (dB)		
	Peak Hinc (BR)	Peak Einc (BR)	psSAR (BR)	Peak Hinc (BR)	Peak Einc (BR)	psSAR (BR)	Peak Hinc (BR)	Peak Einc (BR)	psSAR (BR)	Peak Hinc (BR)	Peak Einc (BR)	psSAR (BR)	Peak Hinc (BR)	Peak Einc (BR)	psSAR (BR)
0 *	-98.9	-107	-107	-83.2	-107	-107	-105	-107	-107	-98.6	-103	-103	-98.6	-103	-103

**cDASY6 Module WPT Measurement Report**

**Device under test**

Model / Manufacturer  
PY7-25682R

Serial number  
89747

Dimensions  
71 mm x 165 mm x 10 mm

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

**Measurement results**

Maximum H-field  
23.25 mA/m (rms)

Location of measurement relative to DUT  
X: -14.00 mm, Y: 84.00 mm, Z: 7.00 mm

Maximum H-field (z, v, w)  
31.72 mA/m, 17.33 mA/m, 11.54 mA/m

Peak frequency  
4.99 MHz (median)

Frequency to -20 dB boundary  
NaN

**Hardware setup**

cDASX version  
cDASY6 Module WPT, 1.2 0.8

FieldProbe version  
1.2.5

Probe model / Serial number  
Single Probe with reference / WFO00100

**Scan setup**

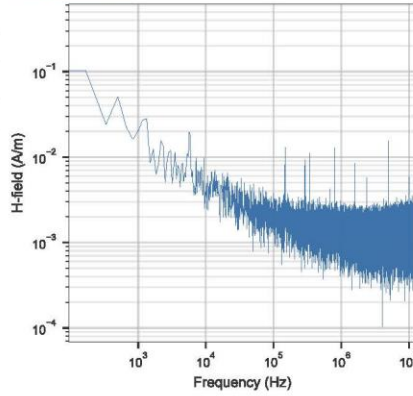
Test  
Static

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

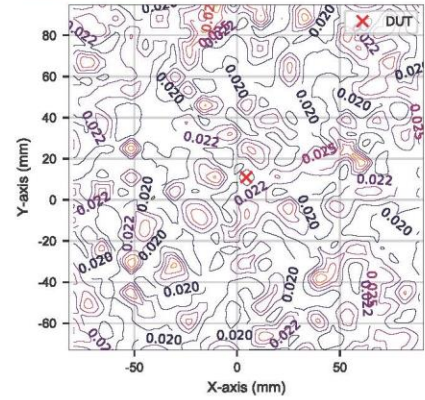
Dimensions  
X: 168.00 mm, Y: 168.00 mm, Z: 14.00 mm

Completed on  
2023/03/02 16:25:50

H-field magnitude at maximum



H-field magnitude at lowest plane



**Induced quantities in the anatomical model**

f = 4.99 MHz, d = 0.00356 m, acceleration vector = [0.25]

Spacing (mm)	Peak Hinc (A/m, rms)	Peak Einc (V/m, rms)	Cube avg	Line avg	Peak Jinc (A/m <sup>2</sup> , rms)	Surface avg	psSAR (mW/kg)	1g avg	10g avg	-20 dB radius (mm)
0 *	0.030		0.007	0.007	0.002		< 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 Einc (BR)	psSAR (BR)	Peak Hinc (RL)	Peak Einc (BR)	psSAR (BR)	Peak Hinc (RL)	Peak Einc (BR)	psSAR (BR)	Peak Hinc (RL)	Peak Einc (BR)	psSAR (BR)	Peak Hinc (RL)	Peak Einc (BR)	psSAR (BR)
0 *	9.79	-60.7	-54.6	26.3	-34.3	-54.6	-7.63	-63.9	-54.6	16.7	-60.4	-50.7	26.3	-60.4	-50.7

**Standard compliance evaluation (coverage factor-adjusted)**

f = 4.99 MHz, d = 0.00356 m, a<sub>1</sub> = 1.25, a<sub>2</sub> = 1.0, a<sub>3</sub> = 1.0, a<sub>4</sub> = 1.0, a<sub>5</sub> = 1.0, a<sub>6</sub> = 1.0, a<sub>7</sub> = 1.0, a<sub>8</sub> = 1.0, a<sub>9</sub> = 1.0, a<sub>10</sub> = 1.0, a<sub>11</sub> = 1.0, a<sub>12</sub> = 1.0, a<sub>13</sub> = 1.0, a<sub>14</sub> = 1.0, a<sub>15</sub> = 1.0, a<sub>16</sub> = 1.0, a<sub>17</sub> = 1.0, a<sub>18</sub> = 1.0, a<sub>19</sub> = 1.0, a<sub>20</sub> = 1.0, a<sub>21</sub> = 1.0, a<sub>22</sub> = 1.0, a<sub>23</sub> = 1.0, a<sub>24</sub> = 1.0, a<sub>25</sub> = 1.0, a<sub>26</sub> = 1.0, a<sub>27</sub> = 1.0, a<sub>28</sub> = 1.0, a<sub>29</sub> = 1.0, a<sub>30</sub> = 1.0, a<sub>31</sub> = 1.0, a<sub>32</sub> = 1.0, a<sub>33</sub> = 1.0, a<sub>34</sub> = 1.0, a<sub>35</sub> = 1.0, a<sub>36</sub> = 1.0, a<sub>37</sub> = 1.0, a<sub>38</sub> = 1.0, a<sub>39</sub> = 1.0, a<sub>40</sub> = 1.0, a<sub>41</sub> = 1.0, a<sub>42</sub> = 1.0, a<sub>43</sub> = 1.0, a<sub>44</sub> = 1.0, 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# ELEMENT

**DUT: PY7-25682R; Type: Portable Handset; Serial: 87089**

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/m<sup>3</sup>  
Phantom Section: Flat; Space: 0.00 mm

Test Date: 04/03/2023; Ambient Temp: 22.1<sup>0</sup>C; Tissue Temp: 21.8<sup>0</sup>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

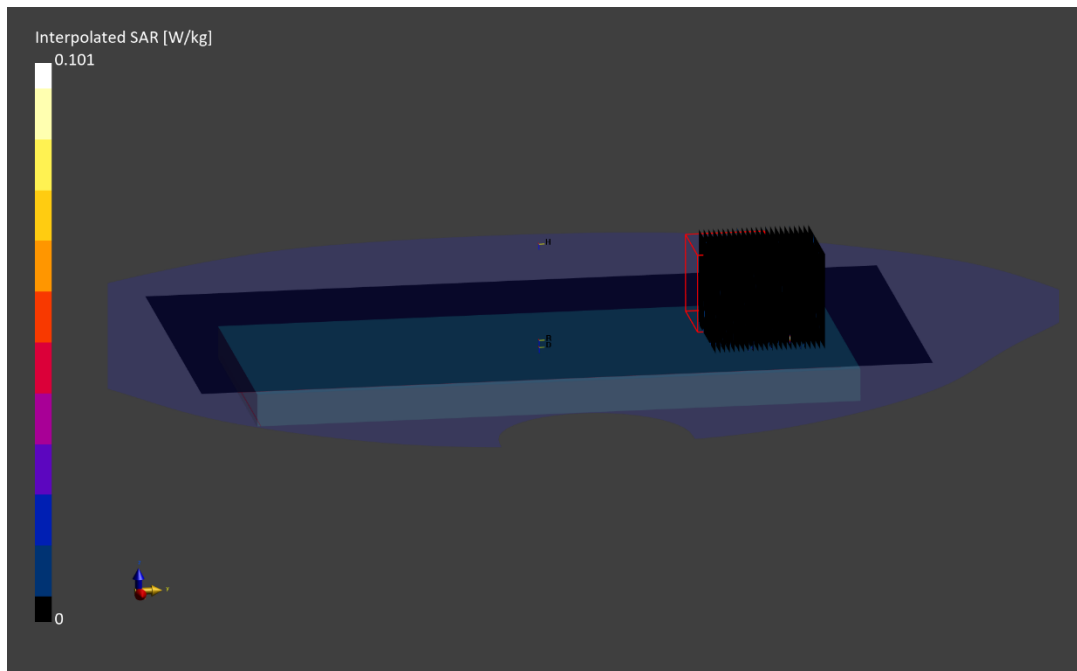
**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=1.3 mm, dy=1.3 mm, dz=1.2 mm; Graded Ratio: 1.2

Peak SAR (extrapolated) = 0.101 W/kg

**SAR(1 g) = 0.001 W/kg; SAR(10 g) = 0 W/kg**

Smallest distance from peaks to all points 3 dB below is 0.6 mm

Ratio of SAR at M2 to SAR at M1 = n/a %



# ELEMENT

Date: 03/06/2022

## Device Under Test Properties

<b>DUT</b>	<b>Serial Number</b>	<b>DUT Type</b>
PY7-25682R	87089	Portable Handset

## Exposure Conditions

<b>Phantom Section</b>	<b>Position</b>	<b>Test Distance [mm]</b>	<b>Frequency [MHz]</b>
5G	BACK	2.00	6000

## Hardware Setup

<b>Probe, Calibration Date</b>	<b>DAE, Calibration Date</b>
EUmmWV3 - SN9407_F1-55GHz, 2022-10-17	DAE4ip Sn1638, 2022-10-13

## Software Setup

<b>Software</b>	<b>Software Version</b>
cDASY6 Module mmWave	3.0.0.841

## Scans Setup

<b>Scan Type</b>	5G Scan
<b>Grid Extents [mm]</b>	150 x 200
<b>Grid Steps [lambda]</b>	0.25 x 0.25
<b>Sensor Surface [mm]</b>	2.0

## Measurement Results

<b>Scan Type</b>	5G Scan
<b>Avg. Area [cm<sup>2</sup>]</b>	4.00
<b>pS<sub>tot</sub> avg [W/m<sup>2</sup>]</b>	0.079
<b>pS<sub>n</sub> avg [W/m<sup>2</sup>]</b>	0.073
<b>E<sub>peak</sub> [V/m]</b>	8.27

