

|                                                       |
|-------------------------------------------------------|
| <b>Annex B: Measurement Results</b>                   |
| <b>Tested Model : XMC30</b>                           |
| <b>Report Number:<br/>WSCT-ANAB-R&amp;E251200097A</b> |

# cDASY6 Module WPT Measurement Report

## Device under test

Info:  
XMC30-FCC(X6877)-Bottom

Serial number:  
XMC30-FCC(X6877)-Bottom

Scenario:  
not set

## Tool info

DASY software version:  
cDASY6 Module WPT 2.8.0.5184

Probe model, serial no. and configuration date:  
MAGPy-8H3D+E3Dv2, WP000270, 2024/11/01

Software version:  
2.8.8, backend: 2.2.36

## Scan info

Center location:  
x: 66.66 mm, y: 53.94 mm, z: 93.04 mm

Dimensions:  
x: 124.3 mm, y: 169.1 mm, z: 36.0 mm

Resolution:  
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm

Completed on:  
2025/10/15 15:57:40

Measurement results

Maximum H-field [RMS]:

MAGNITUDE: 1.05 A/m

**x**: 98.62 mA/m, **y**: 200.01 mA/m, **z**: 1.02 A/m

Maximum H-field location relative to DUT:

**x**: -11.00 mm, **y**: 18.33 mm, **z**: 8.50 mm

Maximum E-field [RMS]:

MAGNITUDE: 182.92 V/m

**x**: 4.31 V/m, **y**: 16.89 V/m, **z**: 182.09 V/m

Maximum E-field location relative to DUT:

**x**: 0.00 m, **y**: 44.00 mm, **z**: 0.00 m

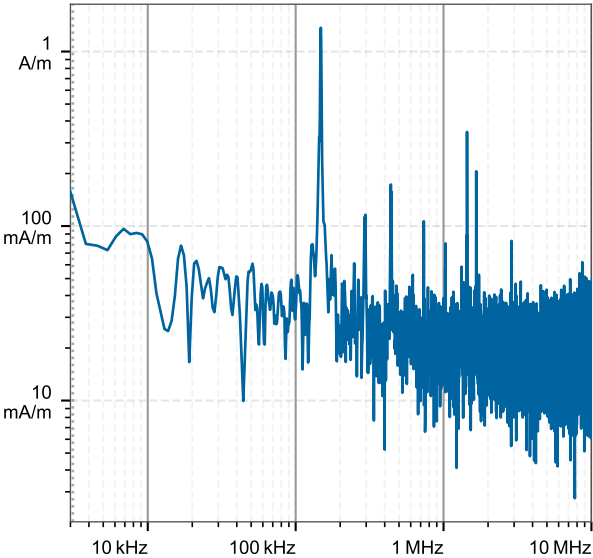
Distance to -20.0 dB boundary:

31.11 mm

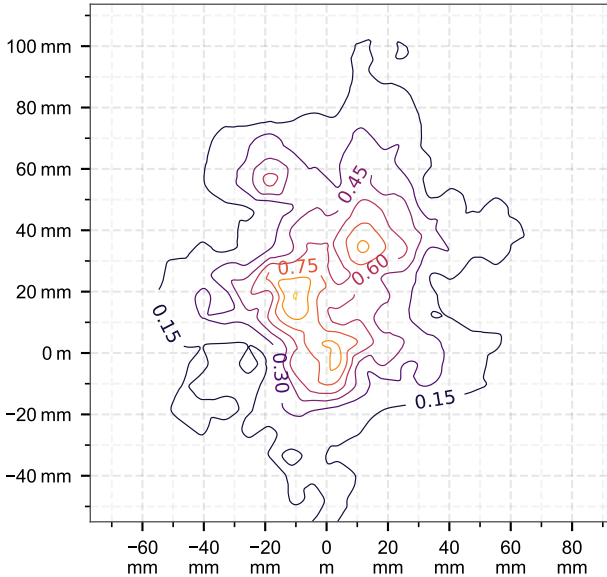
Offset relative to DUT:

**x**: 0.00 m, **y**: 0.00 m, **z**: 1.00 mm

H-field magnitude [RMS] at center location



H-field magnitude [RMS] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency ( f = 147.25 kHz, σ = 0.750 S/m, tissue density = 1,000 kg/m³ )

| Distance [mm] | Peak incident fields [RMS] |                        | Peak E <sub>ind</sub> [V/m, RMS] |         |           | Peak J <sub>ind</sub> [A/m <sup>2</sup> , RMS] |         | psSAR [mW/kg] |                    | H-field extent |                  | Warnings        |  |
|---------------|----------------------------|------------------------|----------------------------------|---------|-----------|------------------------------------------------|---------|---------------|--------------------|----------------|------------------|-----------------|--|
|               | H <sub>inc</sub> [A/m]     | E <sub>inc</sub> [V/m] | Cube avg.                        | Local   | Line avg. | Surface avg.                                   | 1g avg. | 10g avg.      | -20 dB radius [mm] | Sign           | Vector potential | Boundary effect |  |
| 0.00          | 1.75                       | 183                    | 0.0117                           | 0.0119  | 0.0119    | 7.68e-3                                        | 6.12e-5 | 4.08e-5       | 54.3               | 26%            | 63%              | 75%             |  |
| 5.00          | 1.20                       | 129                    | 8.83e-3                          | 9.04e-3 | 9.e-3     | 5.82e-3                                        | 4.09e-5 | 3.11e-5       | 61.8               | 26%            | 63%              | 87%             |  |
| 10.0          | 0.891                      | 77.0                   | 6.99e-3                          | 7.09e-3 | 7.07e-3   | 4.93e-3                                        | 3.04e-5 | 2.31e-5       | 70.3               | 26%            | 63%              | 100%            |  |
| 15.0          | 0.549                      | 56.2                   | 6.08e-3                          | 6.14e-3 | 6.13e-3   | 4.34e-3                                        | 2.32e-5 | 1.84e-5       | 79.3               | 26%            | 63%              | 100%            |  |
| 20.0          | 0.393                      | 53.4                   | 5.44e-3                          | 5.50e-3 | 5.49e-3   | 3.94e-3                                        | 1.95e-5 | 1.54e-5       | 82.6               | 26%            | 63%              | 100%            |  |

Compliance evaluation (Field values at the peak frequency) (f=147.25 kHz, total field evaluation, coverage evaluation)

| Distance [mm] | ICNIRP 2010/2020        |                         |                         |               | ICNIRP 1998             |                         |                                       |               | IEEE 2019               |                         |                         |               | FCC                     |                         |                         |               | HC Code 6               |                         |                         |               |
|---------------|-------------------------|-------------------------|-------------------------|---------------|-------------------------|-------------------------|---------------------------------------|---------------|-------------------------|-------------------------|-------------------------|---------------|-------------------------|-------------------------|-------------------------|---------------|-------------------------|-------------------------|-------------------------|---------------|
|               | RL [RMS]                |                         | BR [RMS]                |               | RL [RMS]                |                         | BR [RMS]                              |               | ERL [RMS]               |                         | DRL [RMS]               |               | MPE [RMS]               |                         | BR [RMS]                |               | RL [RMS]                |                         | BR [RMS]                |               |
|               | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pE <sub>ind</sub> [V/m] | psSAR [mW/kg] | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pJ <sub>ind</sub> [A/m <sup>2</sup> ] | psSAR [mW/kg] | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pE <sub>ind</sub> [V/m] | psSAR [mW/kg] | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pE <sub>ind</sub> [V/m] | psSAR [mW/kg] | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pE <sub>ind</sub> [V/m] | psSAR [mW/kg] |
| 0.00          | 1.75                    | 183                     | 0.0731                  | 8.37e-5       | 1.75                    | 183                     | 0.0134                                | 8.37e-5       | 1.75                    | 183                     | 0.0438                  | 8.37e-5       | 1.75                    | 183                     | N/A                     | 1.04e-4       | 1.75                    | 183                     | 0.102                   | 1.04e-4       |
| 5.00          | 1.20                    | 129                     | 0.0559                  | 5.25e-5       | 1.20                    | 129                     | 9.82e-3                               | 5.25e-5       | 1.20                    | 129                     | 0.0332                  | 5.25e-5       | 1.20                    | 129                     | N/A                     | 6.22e-5       | 1.20                    | 129                     | 0.0785                  | 6.22e-5       |
| 10.0          | 0.891                   | 77.0                    | 0.0441                  | 3.07e-5       | 0.891                   | 77.0                    | 7.32e-3                               | 3.07e-5       | 0.891                   | 77.0                    | 0.0255                  | 3.07e-5       | 0.891                   | 77.0                    | N/A                     | 3.8e-5        | 0.891                   | 77.0                    | 0.0618                  | 3.8e-5        |
| 15.0          | 0.549                   | 56.2                    | 0.0388                  | 2.24e-5       | 0.549                   | 56.2                    | 6.09e-3                               | 2.24e-5       | 0.549                   | 56.2                    | 0.022                   | 2.24e-5       | 0.549                   | 56.2                    | N/A                     | 2.72e-5       | 0.549                   | 56.2                    | 0.0543                  | 2.72e-5       |
| 20.0          | 0.393                   | 53.4                    | 0.0351                  | 1.91e-5       | 0.393                   | 53.4                    | 5.59e-3                               | 1.91e-5       | 0.393                   | 53.4                    | 0.02                    | 1.91e-5       | 0.393                   | 53.4                    | N/A                     | 2.31e-5       | 0.393                   | 53.4                    | 0.0491                  | 2.31e-5       |

Coverage factors: w<sub>E<sub>ind</sub>, cube avg.</sub> = [5.61, 5.73, 5.85, 5.99, 6.04], w<sub>E<sub>ind</sub>, local</sub> = [7.93, 8.09, 8.27, 8.46, 8.53], w<sub>E<sub>ind</sub>, line avg.</sub> = [3.05, 3.10, 3.15, 3.21, 3.23]

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation, coverage evaluation, ratios in dB)

| Distance<br>[mm]     | ICNIRP 2010/2020  |       |                   |       |                   |       | ICNIRP 1998       |                   |                   |       | IEEE 2019         |       |                   |      |                   |       | FCC               |                   |                   |       | HC Code 6         |       |                   |     |                   |       |
|----------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------------------|-------------------|-------|-------------------|-------|-------------------|------|-------------------|-------|-------------------|-------------------|-------------------|-------|-------------------|-------|-------------------|-----|-------------------|-------|
|                      | RL                |       |                   |       | BR                |       | RL                |                   | BR                |       | ERL               |       |                   |      | DRL               |       | MPE               |                   | BR                |       | RL                |       |                   |     | BR                |       |
|                      | pH <sub>inc</sub> |       | pE <sub>inc</sub> |       | pE <sub>ind</sub> | psSAR | pH <sub>inc</sub> | pE <sub>inc</sub> | pJ <sub>ind</sub> | psSAR | pH <sub>inc</sub> |       | pE <sub>inc</sub> |      | pE <sub>ind</sub> | psSAR | pH <sub>inc</sub> | pE <sub>inc</sub> | pE <sub>ind</sub> | psSAR | pH <sub>inc</sub> |       | pE <sub>inc</sub> |     | pE <sub>ind</sub> | psSAR |
|                      | NS                | TH    | NS                | TH    |                   |       |                   |                   |                   |       | NS                | TH    | N/A               | N/A  |                   |       |                   |                   |                   |       | NS                | TH    | NS                | TH  |                   |       |
| <a href="#">0.00</a> | -21.6             | -25.6 | 58.5              | 122.0 | -16.6             | 9.21  | -9.12             | 65.2              | 17.3              | 9.21  | -39.4             | -43.0 | 41.1              | 73.5 | -19.9             | 9.21  | 0.62              | 25.8              | N/A               | 10.2  | -34.2             | -9.05 | 58.5              | N/A | -16.5             | 10.2  |
| <a href="#">5.00</a> | -24.8             | -28.8 | 55.4              | 118.0 | -19.6             | 6.17  | -12.4             | 62.1              | 14.3              | 6.17  | -42.6             | -46.3 | 38.0              | 70.5 | -22.9             | 6.17  | -2.64             | 22.7              | N/A               | 7.14  | -37.5             | -12.3 | 55.4              | N/A | -19.5             | 7.14  |
| <a href="#">10.0</a> | -27.4             | -31.4 | 50.9              | 114.0 | -24.0             | 1.7   | -15.0             | 57.7              | 9.82              | 1.7   | -45.2             | -48.9 | 33.6              | 66.0 | -27.3             | 1.7   | -5.25             | 18.3              | N/A               | 2.66  | -40.1             | -14.9 | 50.9              | N/A | -23.9             | 2.66  |
| <a href="#">15.0</a> | -31.6             | -35.6 | 48.2              | 111.0 | -26.7             | -1.04 | -19.2             | 54.9              | 7.1               | -1.04 | -49.4             | -53.1 | 30.8              | 63.3 | -30.0             | -1.04 | -9.45             | 15.5              | N/A               | -0.07 | -44.3             | -19.1 | 48.2              | N/A | -26.6             | -0.07 |
| <a href="#">20.0</a> | -34.6             | -38.5 | 47.8              | 111.0 | -27.2             | -1.48 | -22.1             | 54.5              | 6.65              | -1.48 | -52.4             | -56.0 | 30.4              | 62.8 | -30.5             | -1.48 | -12.4             | 15.1              | N/A               | -0.51 | -47.2             | -22.0 | 47.8              | N/A | -27.0             | -0.51 |

Coverage factors:  $w_{E_{ind}, cube\ avg.} = [5.61, 5.73, 5.85, 5.99, 6.04]$ ,  $w_{E_{ind}, local} = [7.93, 8.09, 8.27, 8.46, 8.53]$ ,  $w_{E_{ind}, line\ avg.} = [3.05, 3.10, 3.15, 3.21, 3.23]$

# cDASY6 Module WPT Measurement Report

## Device under test

Info:  
XMC30-FCC(X6877)-Fromt

Serial number:  
not set

Scenario:  
not set

## Tool info

DASY software version:  
cDASY6 Module WPT 2.8.0.5184

Probe model, serial no. and configuration date:  
MAGPy-8H3D+E3Dv2, WP000270, 2024/11/01

Software version:  
2.8.8, backend: 2.2.36

## Scan info

Center location:  
x: 32.24 mm, y: 135.00 mm, z: 30.48 mm

Dimensions:  
x: 212.8 mm, y: 125.0 mm, z: 36.6 mm

Resolution:  
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm

Completed on:  
2025/10/13 00:21:32

Measurement results

Maximum H-field [RMS]:

MAGNITUDE: 628.80 mA/m

**x**: 459.27 mA/m, **y**: 112.77 mA/m, **z**: 414.41 mA/m

Maximum H-field location relative to DUT:

**x**: 25.67 mm, **y**: 18.33 mm, **z**: 8.50 mm

Maximum E-field [RMS]:

MAGNITUDE: 552.33 V/m

**x**: 10.05 V/m, **y**: 4.72 V/m, **z**: 552.22 V/m

Maximum E-field location relative to DUT:

**x**: 14.67 mm, **y**: -44.00 mm, **z**: 0.00 mm

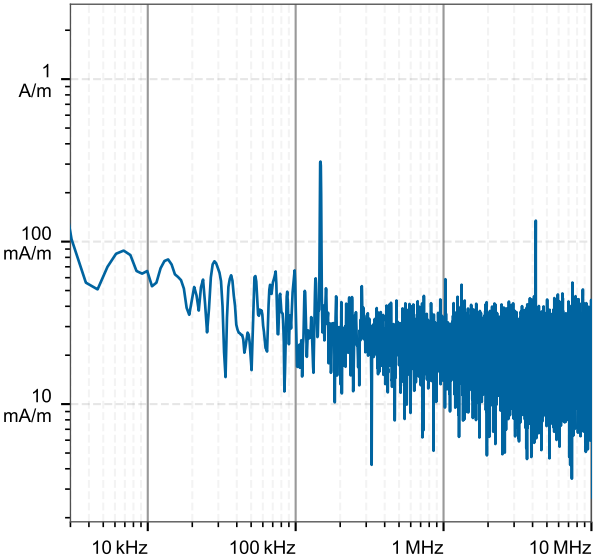
Distance to -20.0 dB boundary:

66.00 mm

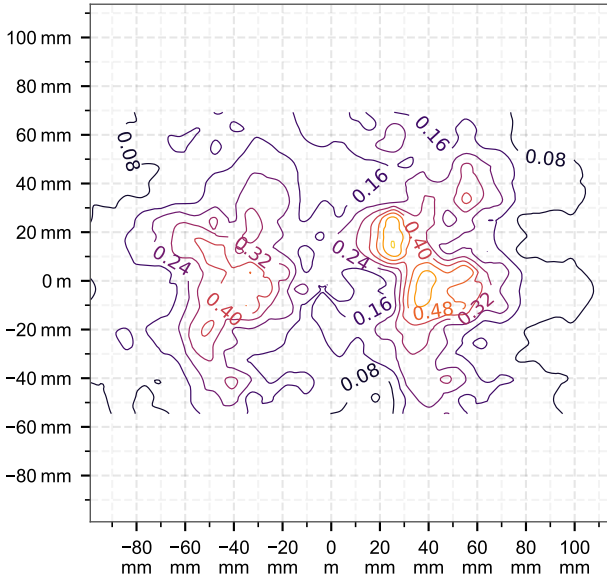
Offset relative to DUT:

**x**: 0.00 m, **y**: 0.00 m, **z**: 1.00 mm

H-field magnitude [RMS] at center location



H-field magnitude [RMS] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency ( f = 147.29 kHz, σ = 0.750 S/m, tissue density = 1,000 kg/m³ )

| Distance [mm] | Peak incident fields [RMS] |                        | Peak E <sub>ind</sub> [V/m, RMS] |         |           | Peak J <sub>ind</sub> [A/m <sup>2</sup> , RMS] |         | psSAR [mW/kg] |                    | H-field extent |                  | Warnings        |  |
|---------------|----------------------------|------------------------|----------------------------------|---------|-----------|------------------------------------------------|---------|---------------|--------------------|----------------|------------------|-----------------|--|
|               | H <sub>inc</sub> [A/m]     | E <sub>inc</sub> [V/m] | Cube avg.                        | Local   | Line avg. | Surface avg.                                   | 1g avg. | 10g avg.      | -20 dB radius [mm] | Sign           | Vector potential | Boundary effect |  |
| 0.00          | 1.00                       | 552                    | 8.44e-3                          | 8.63e-3 | 8.66e-3   | 5.5e-3                                         | 3.07e-5 | 1.64e-5       | 81.6               | 101%           | 88%              | 75%             |  |
| 5.00          | 0.712                      | 321                    | 6.92e-3                          | 7.12e-3 | 7.07e-3   | 4.42e-3                                        | 1.94e-5 | 1.06e-5       | 86.6               | 101%           | 88%              | 78%             |  |
| 10.0          | 0.541                      | 116                    | 5.53e-3                          | 5.72e-3 | 5.68e-3   | 3.51e-3                                        | 1.23e-5 | 7.13e-6       | 89.5               | 101%           | 88%              | 81%             |  |
| 15.0          | 0.357                      | 80.9                   | 4.36e-3                          | 4.50e-3 | 4.47e-3   | 2.82e-3                                        | 8.32e-6 | 5.01e-6       | 92.1               | 101%           | 88%              | 86%             |  |
| 20.0          | 0.26                       | 76.1                   | 3.65e-3                          | 3.74e-3 | 3.72e-3   | 2.40e-3                                        | 6.11e-6 | 3.53e-6       | 92.6               | 101%           | 88%              | 90%             |  |

Compliance evaluation (Field values at the peak frequency) (f=147.29 kHz, total field evaluation, coverage evaluation)

| Distance [mm] | ICNIRP 2010/2020        |                         |                         |               | ICNIRP 1998             |                         |                                       |               | IEEE 2019               |                         |                         |               | FCC                     |                         |                         |               | HC Code 6               |                         |                         |               |
|---------------|-------------------------|-------------------------|-------------------------|---------------|-------------------------|-------------------------|---------------------------------------|---------------|-------------------------|-------------------------|-------------------------|---------------|-------------------------|-------------------------|-------------------------|---------------|-------------------------|-------------------------|-------------------------|---------------|
|               | RL [RMS]                |                         | BR [RMS]                |               | RL [RMS]                |                         | BR [RMS]                              |               | ERL [RMS]               |                         | DRL [RMS]               |               | MPE [RMS]               |                         | BR [RMS]                |               | RL [RMS]                |                         | BR [RMS]                |               |
|               | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pE <sub>ind</sub> [V/m] | psSAR [mW/kg] | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pJ <sub>ind</sub> [A/m <sup>2</sup> ] | psSAR [mW/kg] | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pE <sub>ind</sub> [V/m] | psSAR [mW/kg] | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pE <sub>ind</sub> [V/m] | psSAR [mW/kg] | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pE <sub>ind</sub> [V/m] | psSAR [mW/kg] |
| 0.00          | 1.00                    | 552                     | 0.0737                  | 4.08e-4       | 1.00                    | 552                     | 0.0226                                | 4.08e-4       | 1.00                    | 552                     | 0.0508                  | 4.08e-4       | 1.00                    | 552                     | N/A                     | 4.23e-4       | 1.00                    | 552                     | 0.0963                  | 4.23e-4       |
| 5.00          | 0.712                   | 321                     | 0.0555                  | 1.43e-4       | 0.712                   | 321                     | 0.0144                                | 1.43e-4       | 0.712                   | 321                     | 0.0363                  | 1.43e-4       | 0.712                   | 321                     | N/A                     | 1.52e-4       | 0.712                   | 321                     | 0.0746                  | 1.52e-4       |
| 10.0          | 0.541                   | 116                     | 0.0388                  | 2.45e-5       | 0.541                   | 116                     | 7.12e-3                               | 2.45e-5       | 0.541                   | 116                     | 0.0234                  | 2.45e-5       | 0.541                   | 116                     | N/A                     | 2.97e-5       | 0.541                   | 116                     | 0.0544                  | 2.97e-5       |
| 15.0          | 0.357                   | 80.9                    | 0.0303                  | 1.34e-5       | 0.357                   | 80.9                    | 5.33e-3                               | 1.34e-5       | 0.357                   | 80.9                    | 0.0181                  | 1.34e-5       | 0.357                   | 80.9                    | N/A                     | 1.67e-5       | 0.357                   | 80.9                    | 0.0426                  | 1.67e-5       |
| 20.0          | 0.26                    | 76.1                    | 0.0257                  | 1.1e-5        | 0.26                    | 76.1                    | 4.76e-3                               | 1.1e-5        | 0.26                    | 76.1                    | 0.0154                  | 1.1e-5        | 0.26                    | 76.1                    | N/A                     | 1.36e-5       | 0.26                    | 76.1                    | 0.0359                  | 1.36e-5       |

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation, coverage evaluation, ratios in dB)

| Distance<br>[mm] | ICNIRP 2010/2020  |       |                   |       |                   |       | ICNIRP 1998       |                   |                   |       | IEEE 2019         |       |                   |       |                   |       | FCC               |                   |                   |       | HC Code 6         |       |                   |     |                   |       |
|------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------------------|-------------------|-------|-------------------|-------|-------------------|-----|-------------------|-------|
|                  | RL                |       |                   |       | BR                |       | RL                |                   | BR                |       | ERL               |       |                   |       | DRL               |       | MPE               |                   | BR                |       | RL                |       |                   |     | BR                |       |
|                  | pH <sub>inc</sub> |       | pE <sub>inc</sub> |       | pE <sub>ind</sub> | psSAR | pH <sub>inc</sub> | pE <sub>inc</sub> | pJ <sub>ind</sub> | psSAR | pH <sub>inc</sub> |       | pE <sub>inc</sub> |       | pE <sub>ind</sub> | psSAR | pH <sub>inc</sub> | pE <sub>inc</sub> | pE <sub>ind</sub> | psSAR | pH <sub>inc</sub> |       | pE <sub>inc</sub> |     | pE <sub>ind</sub> | psSAR |
|                  | NS                | TH    | NS                | TH    |                   |       |                   |                   |                   |       | NS                | TH    | N/A               | N/A   |                   |       |                   |                   |                   |       | NS                | TH    | NS                | TH  |                   |       |
| 0.00             | -26.4             | -30.4 | 16.5              | -13.3 | 2.22              | 29.2  | -14.0             | 89.4              | 26.9              | 29.2  | -44.2             | -47.9 | -0.92             | -7.91 | -0.63             | 29.2  | -4.24             | -0.92             | N/A               | 30.1  | -39.1             | -13.9 | 16.5              | N/A | -46.3             | 30.1  |
| 5.00             | -29.4             | -33.4 | 11.7              | -18.0 | -2.49             | 24.5  | -16.9             | 84.7              | 22.2              | 24.5  | -47.2             | -50.8 | -5.63             | -12.6 | -5.34             | 24.5  | -7.2              | -5.63             | N/A               | 25.4  | -42.0             | -16.9 | 11.7              | N/A | -48.5             | 25.4  |
| 10.0             | -31.8             | -35.8 | 2.94              | -26.9 | -11.3             | 15.6  | -19.3             | 75.9              | 13.4              | 15.6  | -49.6             | -53.2 | -14.4             | -21.4 | -14.1             | 15.6  | -9.57             | -14.4             | N/A               | 16.6  | -44.4             | -19.2 | 2.94              | N/A | -51.3             | 16.6  |
| 15.0             | -35.4             | -39.4 | -0.22             | -30.0 | -14.4             | 12.5  | -22.9             | 72.7              | 10.2              | 12.5  | -53.2             | -56.8 | -17.6             | -24.6 | -17.3             | 12.5  | -13.2             | -17.6             | N/A               | 13.5  | -48.0             | -22.8 | -0.22             | N/A | -53.4             | 13.5  |
| 20.0             | -38.2             | -42.1 | -0.75             | -30.5 | -15.0             | 12.0  | -25.7             | 72.2              | 9.68              | 12.0  | -56.0             | -59.6 | -18.1             | -25.1 | -17.8             | 12.0  | -16.0             | -18.1             | N/A               | 12.9  | -50.8             | -25.6 | -0.75             | N/A | -54.9             | 12.9  |

Coverage factors:  $w_{E_{ind}, cube\ avg.} = [6.02, 6.10, 6.14, 6.18, 6.19]$ ,  $w_{E_{ind}, local} = [8.51, 8.61, 8.68, 8.73, 8.74]$ ,  $w_{E_{ind}, line\ avg.} = [3.22, 3.26, 3.28, 3.29, 3.30]$

# cDASY6 Module WPT Measurement Report

## Device under test

Info:  
XMC30-FCC(X6877)-Left

Serial number:  
XNC30-FCC(X6877)-Left

Scenario:  
not set

## Tool info

DASY software version:  
cDASY6 Module WPT 2.8.0.5184

Probe model, serial no. and configuration date:  
MAGPy-8H3D+E3Dv2, WP000270, 2024/11/01

Software version:  
2.8.8, backend: 2.2.36

## Scan info

Center location:  
x: 90.85 mm, y: 59.67 mm, z: 92.69 mm

Dimensions:  
x: 125.1 mm, y: 124.3 mm, z: 37.0 mm

Resolution:  
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm

Completed on:  
2025/10/13 09:42:00

Measurement results

Maximum H-field [RMS]:

MAGNITUDE: 784.43 mA/m

**X:** 152.60 mA/m, **Y:** 117.94 mA/m, **Z:** 760.35 mA/m

Maximum H-field location relative to DUT:

**X:** 11.00 mm, **Y:** 3.67 mm, **Z:** 8.50 mm

Maximum E-field [RMS]:

MAGNITUDE: 237.37 V/m

**X:** 8.19 V/m, **Y:** 11.11 V/m, **Z:** 236.97 V/m

Maximum E-field location relative to DUT:

**X:** 0.00 m, **Y:** 0.00 m, **Z:** 0.00 m

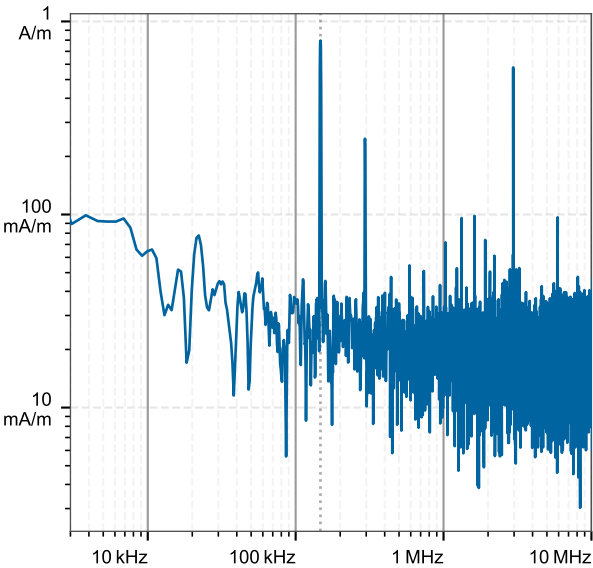
Distance to -20.0 dB boundary:

37.39 mm

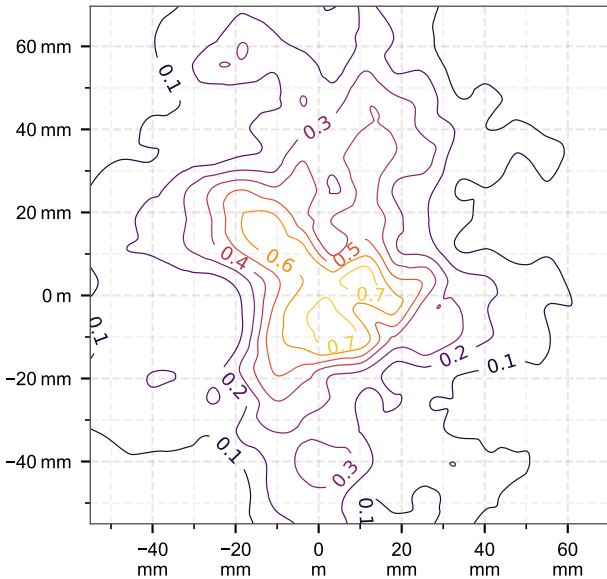
Offset relative to DUT:

**X:** 0.00 m, **Y:** 0.00 m, **Z:** 1.00 mm

H-field magnitude [RMS] at center location



H-field magnitude [RMS] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency ( f = 147.10 kHz, σ = 0.750 S/m, tissue density = 1,000 kg/m³ )

| Distance [mm] | Peak incident fields [RMS] |                        | Peak E <sub>ind</sub> [V/m, RMS] |         |           | Peak J <sub>ind</sub> [A/m <sup>2</sup> , RMS] |         | psSAR [mW/kg] |                    | H-field extent |                  | Warnings        |  |
|---------------|----------------------------|------------------------|----------------------------------|---------|-----------|------------------------------------------------|---------|---------------|--------------------|----------------|------------------|-----------------|--|
|               | H <sub>inc</sub> [A/m]     | E <sub>inc</sub> [V/m] | Cube avg.                        | Local   | Line avg. | Surface avg.                                   | 1g avg. | 10g avg.      | -20 dB radius [mm] | Sign           | Vector potential | Boundary effect |  |
| 0.00          | 1.29                       | 237                    | 8.63e-3                          | 8.94e-3 | 8.85e-3   | 5.5e-3                                         | 3.66e-5 | 2.47e-5       | 57.9               | 33%            | 59%              | 92%             |  |
| 5.00          | 0.953                      | 151                    | 6.97e-3                          | 7.09e-3 | 7.01e-3   | 4.70e-3                                        | 2.65e-5 | 1.77e-5       | 59.6               | 33%            | 59%              | 97%             |  |
| 10.0          | 0.664                      | 73.1                   | 5.78e-3                          | 5.89e-3 | 5.86e-3   | 3.97e-3                                        | 1.86e-5 | 1.29e-5       | 64.6               | 33%            | 59%              | 100%            |  |
| 15.0          | 0.458                      | 54.7                   | 4.87e-3                          | 4.93e-3 | 4.92e-3   | 3.40e-3                                        | 1.36e-5 | 9.61e-6       | 68.4               | 33%            | 59%              | 100%            |  |
| 20.0          | 0.309                      | 52.2                   | 4.27e-3                          | 4.34e-3 | 4.32e-3   | 2.99e-3                                        | 1.05e-5 | 7.38e-6       | 70.7               | 33%            | 59%              | 100%            |  |

Compliance evaluation (Field values at the peak frequency) (f=147.10 kHz, total field evaluation, coverage evaluation)

| Distance [mm] | ICNIRP 2010/2020        |                         |                         |               | ICNIRP 1998             |                         |                                       |               | IEEE 2019               |                         |                         |               | FCC                     |                         |                         |               | HC Code 6               |                         |                         |               |
|---------------|-------------------------|-------------------------|-------------------------|---------------|-------------------------|-------------------------|---------------------------------------|---------------|-------------------------|-------------------------|-------------------------|---------------|-------------------------|-------------------------|-------------------------|---------------|-------------------------|-------------------------|-------------------------|---------------|
|               | RL [RMS]                |                         | BR [RMS]                |               | RL [RMS]                |                         | BR [RMS]                              |               | ERL [RMS]               |                         | DRL [RMS]               |               | MPE [RMS]               |                         | BR [RMS]                |               | RL [RMS]                |                         | BR [RMS]                |               |
|               | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pE <sub>ind</sub> [V/m] | psSAR [mW/kg] | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pJ <sub>ind</sub> [A/m <sup>2</sup> ] | psSAR [mW/kg] | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pE <sub>ind</sub> [V/m] | psSAR [mW/kg] | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pE <sub>ind</sub> [V/m] | psSAR [mW/kg] | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pE <sub>ind</sub> [V/m] | psSAR [mW/kg] |
| 0.00          | 1.29                    | 237                     | 0.0587                  | 9.69e-5       | 1.29                    | 237                     | 0.0129                                | 9.69e-5       | 1.29                    | 237                     | 0.037                   | 9.69e-5       | 1.29                    | 237                     | N/A                     | 1.09e-4       | 1.29                    | 237                     | 0.0814                  | 1.09e-4       |
| 5.00          | 0.953                   | 151                     | 0.0459                  | 4.69e-5       | 0.953                   | 151                     | 9.39e-3                               | 4.69e-5       | 0.953                   | 151                     | 0.0279                  | 4.69e-5       | 0.953                   | 151                     | N/A                     | 5.58e-5       | 0.953                   | 151                     | 0.0633                  | 5.58e-5       |
| 10.0          | 0.664                   | 73.1                    | 0.0364                  | 1.97e-5       | 0.664                   | 73.1                    | 6.24e-3                               | 1.97e-5       | 0.664                   | 73.1                    | 0.0213                  | 1.97e-5       | 0.664                   | 73.1                    | N/A                     | 2.55e-5       | 0.664                   | 73.1                    | 0.0511                  | 2.55e-5       |
| 15.0          | 0.458                   | 54.7                    | 0.0306                  | 1.34e-5       | 0.458                   | 54.7                    | 5.1e-3                                | 1.34e-5       | 0.458                   | 54.7                    | 0.0177                  | 1.34e-5       | 0.458                   | 54.7                    | N/A                     | 1.74e-5       | 0.458                   | 54.7                    | 0.0429                  | 1.74e-5       |
| 20.0          | 0.309                   | 52.2                    | 0.0272                  | 1.09e-5       | 0.309                   | 52.2                    | 4.61e-3                               | 1.09e-5       | 0.309                   | 52.2                    | 0.0158                  | 1.09e-5       | 0.309                   | 52.2                    | N/A                     | 1.4e-5        | 0.309                   | 52.2                    | 0.0381                  | 1.4e-5        |

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation, coverage evaluation, ratios in dB)

| Distance<br>[mm] | ICNIRP 2010/2020  |       |                   |       |                   |       | ICNIRP 1998       |                   |                   |       | IEEE 2019         |       |                   |       |                   |       | FCC               |                   |                   |       | HC Code 6         |       |                   |     |                   |       |
|------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------------------|-------------------|-------|-------------------|-------|-------------------|-----|-------------------|-------|
|                  | RL                |       |                   |       | BR                |       | RL                |                   | BR                |       | ERL               |       |                   |       | DRL               |       | MPE               |                   | BR                |       | RL                |       |                   |     | BR                |       |
|                  | pH <sub>inc</sub> |       | pE <sub>inc</sub> |       | pE <sub>ind</sub> | psSAR | pH <sub>inc</sub> | pE <sub>inc</sub> | pJ <sub>ind</sub> | psSAR | pH <sub>inc</sub> |       | pE <sub>inc</sub> |       | pE <sub>ind</sub> | psSAR | pH <sub>inc</sub> | pE <sub>inc</sub> | pE <sub>ind</sub> | psSAR | pH <sub>inc</sub> |       | pE <sub>inc</sub> |     | pE <sub>ind</sub> | psSAR |
|                  | NS                | TH    | NS                | TH    |                   |       |                   |                   |                   |       | NS                | TH    | N/A               | N/A   |                   |       |                   |                   |                   |       | NS                | TH    | NS                | TH  |                   |       |
| 0.00             | -24.2             | -28.3 | 16.5              | -8.98 | -48.8             | -64.1 | -11.8             | 11.8              | -22.2             | -64.1 | -42.0             | -45.7 | -0.85             | -13.3 | -55.8             | -64.1 | -2.05             | -0.56             | N/A               | -63.1 | -36.9             | -11.7 | 16.5              | N/A | -46.4             | -63.1 |
| 5.00             | -26.9             | -30.9 | 12.6              | -12.9 | -51.3             | -67.9 | -14.4             | 7.87              | -25.5             | -67.9 | -44.7             | -48.3 | -4.77             | -17.2 | -58.6             | -67.9 | -4.66             | -4.48             | N/A               | -66.9 | -39.5             | -14.3 | 12.6              | N/A | -48.8             | -66.9 |
| 10.0             | -30.0             | -34.0 | 6.3               | -19.2 | -53.8             | -73.8 | -17.5             | 1.56              | -30.0             | -73.8 | -47.8             | -51.4 | -11.1             | -23.5 | -61.7             | -73.8 | -7.8              | -10.8             | N/A               | -72.5 | -42.6             | -17.5 | 6.3               | N/A | -51.1             | -72.5 |
| 15.0             | -33.2             | -37.2 | 3.78              | -21.7 | -55.4             | -76.1 | -20.8             | -0.95             | -32.0             | -76.1 | -51.0             | -54.6 | -13.6             | -26.0 | -63.4             | -76.1 | -11.0             | -13.3             | N/A               | -74.8 | -45.9             | -20.7 | 3.78              | N/A | -52.7             | -74.8 |
| 20.0             | -36.6             | -40.7 | 3.38              | -22.1 | -56.4             | -76.6 | -24.2             | -1.35             | -32.7             | -76.6 | -54.4             | -58.1 | -14.0             | -26.4 | -64.3             | -76.6 | -14.4             | -13.7             | N/A               | -75.3 | -49.3             | -24.1 | 3.38              | N/A | -53.7             | -75.3 |

Coverage factors:  $w_{E_{ind}, cube\ avg.} = [5.67, 5.69, 5.77, 5.83, 5.86]$ ,  $w_{E_{ind}, local} = [8.01, 8.04, 8.15, 8.23, 8.28]$ ,  $w_{E_{ind}, line\ avg.} = [3.07, 3.08, 3.12, 3.14, 3.15]$

# cDASY6 Module WPT Measurement Report

## Device under test

Info:  
XMC30-FCC(X6877)-Rear

Serial number:  
not set

Scenario:  
not set

## Tool info

DASY software version:  
cDASY6 Module WPT 2.8.0.5184

Probe model, serial no. and configuration date:  
MAGPy-8H3D+E3Dv2, WP000270, 2024/11/01

Software version:  
2.8.8, backend: 2.2.36

## Scan info

Center location:  
x: 32.24 mm, y: 134.99 mm, z: 30.48 mm

Dimensions:  
x: 212.8 mm, y: 213.0 mm, z: 36.6 mm

Resolution:  
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm

Completed on:  
2025/10/12 23:31:40

Measurement results

Maximum H-field [RMS]:

MAGNITUDE: 3.30 A/m

**x**: 1.09 A/m, **y**: 480.62 mA/m, **z**: 3.08 A/m

Maximum H-field location relative to DUT:

**x**: -25.67 mm, **y**: 55.00 mm, **z**: 8.50 mm

Maximum E-field [RMS]:

MAGNITUDE: 296.58 V/m

**x**: 4.08 V/m, **y**: 12.47 V/m, **z**: 296.29 V/m

Maximum E-field location relative to DUT:

**x**: 0.00 m, **y**: 14.67 mm, **z**: 0.00 m

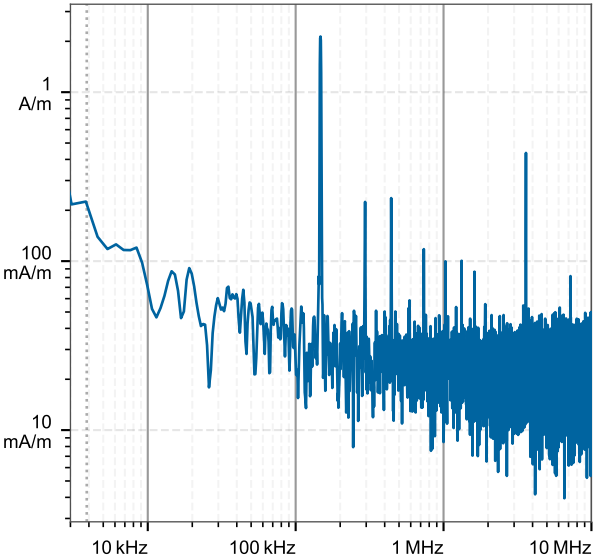
Distance to -20.0 dB boundary:

26.44 mm

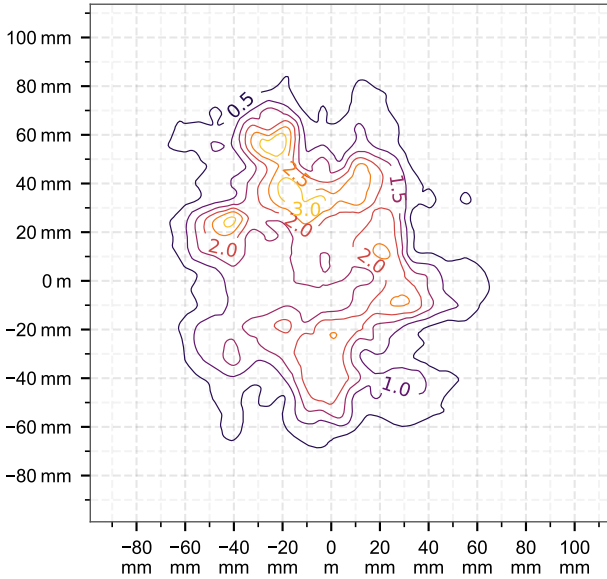
Offset relative to DUT:

**x**: 0.00 m, **y**: 0.00 m, **z**: 1.00 mm

H-field magnitude [RMS] at center location



H-field magnitude [RMS] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency ( f = 147.24 kHz, σ = 0.750 S/m, tissue density = 1,000 kg/m³ )

| Distance [mm] | Peak incident fields [RMS] |                        | Peak E <sub>ind</sub> [V/m, RMS] |        |           | Peak J <sub>ind</sub> [A/m <sup>2</sup> , RMS] |         | psSAR [mW/kg] |  | H-field extent     |      | Warnings         |                 |
|---------------|----------------------------|------------------------|----------------------------------|--------|-----------|------------------------------------------------|---------|---------------|--|--------------------|------|------------------|-----------------|
|               | H <sub>inc</sub> [A/m]     | E <sub>inc</sub> [V/m] | Cube avg.                        | Local  | Line avg. | Surface avg.                                   | 1g avg. | 10g avg.      |  | -20 dB radius [mm] | Sign | Vector potential | Boundary effect |
| 0.00          | 5.31                       | 297                    | 0.0479                           | 0.0491 | 0.049     | 0.0308                                         | 1.00e-3 | 6.23e-4       |  | 68.8               | 56%  | 88%              | 42%             |
| 5.00          | 3.59                       | 174                    | 0.0366                           | 0.037  | 0.0369    | 0.0250                                         | 6.56e-4 | 4.16e-4       |  | 72.9               | 56%  | 88%              | 57%             |
| 10.0          | 2.84                       | 65.3                   | 0.0306                           | 0.0314 | 0.0313    | 0.0202                                         | 4.25e-4 | 2.69e-4       |  | 76.6               | 56%  | 88%              | 60%             |
| 15.0          | 1.85                       | 46.4                   | 0.0245                           | 0.0251 | 0.025     | 0.0162                                         | 2.78e-4 | 1.79e-4       |  | 85.0               | 56%  | 88%              | 55%             |
| 20.0          | 1.32                       | 43.8                   | 0.0196                           | 0.0201 | 0.02      | 0.0132                                         | 1.89e-4 | 1.22e-4       |  | 92.2               | 56%  | 88%              | 56%             |

Compliance evaluation (Field values at the peak frequency) (f=147.24 kHz, total field evaluation, coverage evaluation)

| Distance [mm] | ICNIRP 2010/2020        |                         |                         |               | ICNIRP 1998             |                         |                                       |               | IEEE 2019               |                         |                         |               | FCC                     |                         |                         |               | HC Code 6               |                         |                         |               |
|---------------|-------------------------|-------------------------|-------------------------|---------------|-------------------------|-------------------------|---------------------------------------|---------------|-------------------------|-------------------------|-------------------------|---------------|-------------------------|-------------------------|-------------------------|---------------|-------------------------|-------------------------|-------------------------|---------------|
|               | RL [RMS]                |                         | BR [RMS]                |               | RL [RMS]                |                         | BR [RMS]                              |               | ERL [RMS]               |                         | DRL [RMS]               |               | MPE [RMS]               |                         | BR [RMS]                |               | RL [RMS]                |                         | BR [RMS]                |               |
|               | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pE <sub>ind</sub> [V/m] | psSAR [mW/kg] | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pJ <sub>ind</sub> [A/m <sup>2</sup> ] | psSAR [mW/kg] | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pE <sub>ind</sub> [V/m] | psSAR [mW/kg] | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pE <sub>ind</sub> [V/m] | psSAR [mW/kg] | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pE <sub>ind</sub> [V/m] | psSAR [mW/kg] |
| 0.00          | 5.31                    | 297                     | 0.291                   | 7.36e-4       | 5.31                    | 297                     | 0.04                                  | 7.36e-4       | 5.31                    | 297                     | 0.166                   | 7.36e-4       | 5.31                    | 297                     | N/A                     | 1.12e-3       | 5.31                    | 297                     | 0.417                   | 1.12e-3       |
| 5.00          | 3.59                    | 174                     | 0.223                   | 4.54e-4       | 3.59                    | 174                     | 0.0304                                | 4.54e-4       | 3.59                    | 174                     | 0.124                   | 4.54e-4       | 3.59                    | 174                     | N/A                     | 6.94e-4       | 3.59                    | 174                     | 0.315                   | 6.94e-4       |
| 10.0          | 2.84                    | 65.3                    | 0.185                   | 2.75e-4       | 2.84                    | 65.3                    | 0.0222                                | 2.75e-4       | 2.84                    | 65.3                    | 0.103                   | 2.75e-4       | 2.84                    | 65.3                    | N/A                     | 4.31e-4       | 2.84                    | 65.3                    | 0.267                   | 4.31e-4       |
| 15.0          | 1.85                    | 46.4                    | 0.151                   | 1.82e-4       | 1.85                    | 46.4                    | 0.0176                                | 1.82e-4       | 1.85                    | 46.4                    | 0.083                   | 1.82e-4       | 1.85                    | 46.4                    | N/A                     | 2.81e-4       | 1.85                    | 46.4                    | 0.217                   | 2.81e-4       |
| 20.0          | 1.32                    | 43.8                    | 0.123                   | 1.24e-4       | 1.32                    | 43.8                    | 0.0145                                | 1.24e-4       | 1.32                    | 43.8                    | 0.0677                  | 1.24e-4       | 1.32                    | 43.8                    | N/A                     | 1.92e-4       | 1.32                    | 43.8                    | 0.177                   | 1.92e-4       |

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation, coverage evaluation, ratios in dB)

| Distance<br>[mm] | ICNIRP 2010/2020  |       |                   |       |                   |       | ICNIRP 1998       |                   |                   |       | IEEE 2019         |       |                   |      |                   |       | FCC               |                   |                   |       | HC Code 6         |       |                   |     |                   |       |
|------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------------------|-------------------|-------|-------------------|-------|-------------------|------|-------------------|-------|-------------------|-------------------|-------------------|-------|-------------------|-------|-------------------|-----|-------------------|-------|
|                  | RL                |       |                   |       | BR                |       | RL                |                   | BR                |       | ERL               |       |                   |      | DRL               |       | MPE               |                   | BR                |       | RL                |       |                   |     | BR                |       |
|                  | pH <sub>inc</sub> |       | pE <sub>inc</sub> |       | pE <sub>ind</sub> | psSAR | pH <sub>inc</sub> | pE <sub>inc</sub> | pJ <sub>ind</sub> | psSAR | pH <sub>inc</sub> |       | pE <sub>inc</sub> |      | pE <sub>ind</sub> | psSAR | pH <sub>inc</sub> | pE <sub>inc</sub> | pE <sub>ind</sub> | psSAR | pH <sub>inc</sub> |       | pE <sub>inc</sub> |     | pE <sub>ind</sub> | psSAR |
|                  | NS                | TH    | NS                | TH    |                   |       |                   |                   |                   |       | NS                | TH    | N/A               | N/A  |                   |       |                   |                   |                   |       | NS                | TH    | NS                | TH  |                   |       |
| 0.00             | -11.9             | -15.9 | 60.3              | 115.0 | -14.3             | 8.69  | 0.52              | 71.0              | 19.2              | 8.69  | -29.7             | -33.4 | 42.9              | 69.2 | -18.5             | 8.69  | 10.3              | 32.1              | N/A               | 9.66  | -24.6             | 0.60  | 60.3              | N/A | -14.0             | 9.66  |
| 5.00             | -15.3             | -19.3 | 55.6              | 111.0 | -18.8             | 4.06  | -2.88             | 66.4              | 14.6              | 4.06  | -33.1             | -36.8 | 38.2              | 64.5 | -23.1             | 4.06  | 6.86              | 27.4              | N/A               | 5.03  | -28.0             | -2.8  | 55.6              | N/A | -18.4             | 5.03  |
| 10.0             | -17.4             | -21.4 | 47.1              | 102.0 | -26.3             | -4.44 | -4.93             | 57.9              | 6.26              | -4.44 | -35.2             | -38.8 | 29.7              | 56.0 | -31.0             | -4.44 | 4.81              | 18.9              | N/A               | -3.48 | -30.0             | -4.85 | 47.1              | N/A | -25.6             | -3.48 |
| 15.0             | -21.1             | -25.1 | 44.1              | 99.0  | -29.0             | -7.42 | -8.62             | 54.9              | 3.32              | -7.42 | -38.9             | -42.5 | 26.8              | 53.0 | -33.8             | -7.42 | 1.12              | 16.0              | N/A               | -6.46 | -33.7             | -8.54 | 44.1              | N/A | -28.2             | -6.46 |
| 20.0             | -24.0             | -28.0 | 43.7              | 98.5  | -29.8             | -7.91 | -11.6             | 54.4              | 2.78              | -7.91 | -41.8             | -45.4 | 26.3              | 52.6 | -34.5             | -7.91 | -1.82             | 15.5              | N/A               | -6.94 | -36.7             | -11.5 | 43.7              | N/A | -29.1             | -6.94 |

Coverage factors:  $w_{E_{ind}, cube\ avg.} = [5.83, 5.89, 5.95, 6.07, 6.18]$ ,  $w_{E_{ind}, local} = [8.24, 8.32, 8.40, 8.58, 8.73]$ ,  $w_{E_{ind}, line\ avg.} = [3.14, 3.17, 3.19, 3.25, 3.29]$

# cDASY6 Module WPT Measurement Report

## Device under test

Info:  
XMC30-FCC(X6877)-Right

Serial number:  
not set

Scenario:  
not set

## Tool info

DASY software version:  
cDASY6 Module WPT 2.8.0.5184

Probe model, serial no. and configuration date:  
MAGPy-8H3D+E3Dv2, WP000270, 2024/11/01

Software version:  
2.8.8, backend: 2.2.36

## Scan info

Center location:  
x: 72.69 mm, y: 60.07 mm, z: 91.71 mm

Dimensions:  
x: 168.3 mm, y: 168.9 mm, z: 36.8 mm

Resolution:  
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm

Completed on:  
2025/10/13 01:26:43

Measurement results

Maximum H-field [RMS]:

MAGNITUDE: 1.85 A/m

X: 281.30 mA/m, Y: 185.88 mA/m, z: 1.82 A/m

Maximum H-field location relative to DUT:

X: 11.00 mm, Y: -11.00 mm, z: 8.50 mm

Maximum E-field [RMS]:

MAGNITUDE: 286.24 V/m

X: 1.54 V/m, Y: 17.53 V/m, z: 285.70 V/m

Maximum E-field location relative to DUT:

X: 7.33 mm, Y: -73.33 mm, z: 0.00 mm

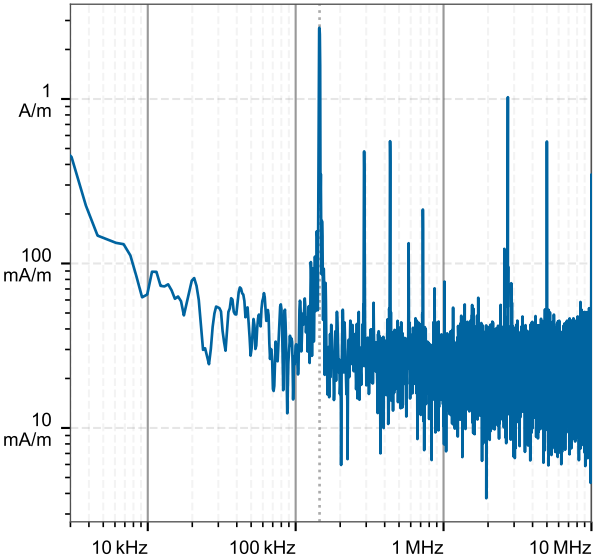
Distance to -20.0 dB boundary:

30.24 mm

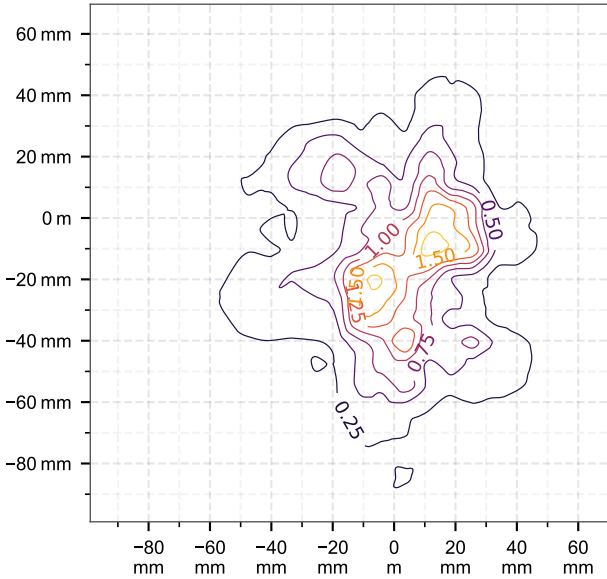
Offset relative to DUT:

X: 0.00 m, Y: 0.00 m, z: 1.00 mm

H-field magnitude [RMS] at center location



H-field magnitude [RMS] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency ( f = 145.20 kHz, σ = 0.750 S/m, tissue density = 1,000 kg/m³ )

|                      | Peak incident fields $[RMS]$ |                   | Peak $E_{ind}$ $[V/m, RMS]$ |         |           | Peak $J_{ind}$ $[A/m^2, RMS]$ | psSAR $[mW/kg]$ |          | H-field extent       | Warnings |                  |                 |
|----------------------|------------------------------|-------------------|-----------------------------|---------|-----------|-------------------------------|-----------------|----------|----------------------|----------|------------------|-----------------|
| Distance $[mm]$      | $H_{inc}$ $[A/m]$            | $E_{inc}$ $[V/m]$ | Cube avg.                   | Local   | Line avg. | Surface avg.                  | 1g avg.         | 10g avg. | -20 dB radius $[mm]$ | Sign     | Vector potential | Boundary effect |
| <a href="#">0.00</a> | 2.88                         | 286               | 0.0194                      | 0.0199  | 0.0198    | 0.0128                        | 1.74e-4         | 9.67e-5  | 51.0                 | 17%      | 78%              | 53%             |
| <a href="#">5.00</a> | 2.03                         | 184               | 0.0151                      | 0.0154  | 0.0153    | 0.0100                        | 1.04e-4         | 6.19e-5  | 55.4                 | 17%      | 78%              | 66%             |
| <a href="#">10.0</a> | 1.59                         | 90.3              | 0.0117                      | 0.0120  | 0.0119    | 7.57e-3                       | 6.28e-5         | 4.03e-5  | 61.1                 | 17%      | 78%              | 79%             |
| <a href="#">15.0</a> | 0.959                        | 65.4              | 9.09e-3                     | 9.27e-3 | 9.20e-3   | 6.16e-3                       | 4.24e-5         | 2.98e-5  | 73.7                 | 17%      | 78%              | 83%             |
| <a href="#">20.0</a> | 0.672                        | 62.1              | 7.54e-3                     | 7.68e-3 | 7.64e-3   | 5.15e-3                       | 3.1e-5          | 2.34e-5  | 83.1                 | 17%      | 78%              | 86%             |

Compliance evaluation (Field values at the peak frequency) (f=145.20 kHz, total field evaluation, coverage evaluation)

| Distance [mm] | ICNIRP 2010/2020        |                         |                         |               | ICNIRP 1998             |                         |                                       |               | IEEE 2019               |                         |                         |               | FCC                     |                         |                         |               | HC Code 6               |                         |                         |               |
|---------------|-------------------------|-------------------------|-------------------------|---------------|-------------------------|-------------------------|---------------------------------------|---------------|-------------------------|-------------------------|-------------------------|---------------|-------------------------|-------------------------|-------------------------|---------------|-------------------------|-------------------------|-------------------------|---------------|
|               | RL [RMS]                |                         | BR [RMS]                |               | RL [RMS]                |                         | BR [RMS]                              |               | ERL [RMS]               |                         | DRL [RMS]               |               | MPE [RMS]               |                         | BR [RMS]                |               | RL [RMS]                |                         | BR [RMS]                |               |
|               | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pE <sub>ind</sub> [V/m] | psSAR [mW/kg] | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pJ <sub>ind</sub> [A/m <sup>2</sup> ] | psSAR [mW/kg] | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pE <sub>ind</sub> [V/m] | psSAR [mW/kg] | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pE <sub>ind</sub> [V/m] | psSAR [mW/kg] | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pE <sub>ind</sub> [V/m] | psSAR [mW/kg] |
| 0.00          | 2.88                    | 286                     | 0.12                    | 1.99e-4       | 2.88                    | 286                     | 0.0215                                | 1.99e-4       | 2.88                    | 286                     | 0.0717                  | 1.99e-4       | 2.88                    | 286                     | N/A                     | 2.77e-4       | 2.88                    | 286                     | 0.168                   | 2.77e-4       |
| 5.00          | 2.03                    | 184                     | 0.0927                  | 1.04e-4       | 2.03                    | 184                     | 0.0156                                | 1.04e-4       | 2.03                    | 184                     | 0.0543                  | 1.04e-4       | 2.03                    | 184                     | N/A                     | 1.47e-4       | 2.03                    | 184                     | 0.130                   | 1.47e-4       |
| 10.0          | 1.59                    | 90.3                    | 0.0704                  | 5.05e-5       | 1.59                    | 90.3                    | 0.0103                                | 5.05e-5       | 1.59                    | 90.3                    | 0.0405                  | 5.05e-5       | 1.59                    | 90.3                    | N/A                     | 7.3e-5        | 1.59                    | 90.3                    | 0.101                   | 7.3e-5        |
| 15.0          | 0.959                   | 65.4                    | 0.0564                  | 3.51e-5       | 0.959                   | 65.4                    | 8.16e-3                               | 3.51e-5       | 0.959                   | 65.4                    | 0.0319                  | 3.51e-5       | 0.959                   | 65.4                    | N/A                     | 4.78e-5       | 0.959                   | 65.4                    | 0.0800                  | 4.78e-5       |
| 20.0          | 0.672                   | 62.1                    | 0.0481                  | 2.82e-5       | 0.672                   | 62.1                    | 7.05e-3                               | 2.82e-5       | 0.672                   | 62.1                    | 0.0272                  | 2.82e-5       | 0.672                   | 62.1                    | N/A                     | 3.58e-5       | 0.672                   | 62.1                    | 0.0681                  | 3.58e-5       |

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation, coverage evaluation, ratios in dB)

| Distance<br>[mm] | ICNIRP 2010/2020  |       |                   |       |                   |       | ICNIRP 1998       |                   |                   |       | IEEE 2019         |       |                   |       |                   |       | FCC               |                   |                   |       | HC Code 6         |       |                   |     |                   |       |
|------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------------------|-------------------|-------|-------------------|-------|-------------------|-----|-------------------|-------|
|                  | RL                |       |                   |       | BR                |       | RL                |                   | BR                |       | ERL               |       |                   |       | DRL               |       | MPE               |                   | BR                |       | RL                |       |                   |     | BR                |       |
|                  | pH <sub>inc</sub> |       | pE <sub>inc</sub> |       | pE <sub>ind</sub> | psSAR | pH <sub>inc</sub> | pE <sub>inc</sub> | pJ <sub>ind</sub> | psSAR | pH <sub>inc</sub> |       | pE <sub>inc</sub> |       | pE <sub>ind</sub> | psSAR | pH <sub>inc</sub> | pE <sub>inc</sub> | pE <sub>ind</sub> | psSAR | pH <sub>inc</sub> |       | pE <sub>inc</sub> |     | pE <sub>ind</sub> | psSAR |
|                  | NS                | TH    | NS                | TH    |                   |       |                   |                   |                   |       | NS                | TH    | N/A               | N/A   |                   |       |                   |                   |                   |       | NS                | TH    | NS                | TH  |                   |       |
| 0.00             | -17.2             | -21.4 | 15.4              | -12.8 | -43.7             | -65.4 | -4.78             | 12.0              | -20.4             | -65.4 | -35.0             | -38.8 | -2.02             | -12.8 | -51.6             | -65.4 | 4.96              | -1.72             | N/A               | -63.9 | -29.9             | -4.83 | 15.4              | N/A | -40.9             | -63.9 |
| 5.00             | -20.3             | -24.4 | 11.5              | -16.6 | -46.0             | -68.9 | -7.84             | 8.15              | -23.4             | -68.9 | -38.1             | -41.8 | -5.86             | -16.6 | -54.1             | -68.9 | 1.9               | -5.56             | N/A               | -67.2 | -32.9             | -7.88 | 11.5              | N/A | -43.2             | -67.2 |
| 10.0             | -22.4             | -26.6 | 5.35              | -22.8 | -48.6             | -73.6 | -9.97             | 1.97              | -27.5             | -73.6 | -40.2             | -44.0 | -12.0             | -22.8 | -57.0             | -73.6 | -0.24             | -11.7             | N/A               | -71.6 | -35.1             | -10.0 | 5.35              | N/A | -45.6             | -71.6 |
| 15.0             | -26.8             | -30.9 | 2.54              | -25.6 | -50.5             | -75.6 | -14.3             | -0.83             | -29.7             | -75.6 | -44.6             | -48.3 | -14.8             | -25.6 | -59.1             | -75.6 | -4.6              | -14.5             | N/A               | -73.8 | -39.4             | -14.4 | 2.54              | N/A | -47.6             | -73.8 |
| 20.0             | -29.9             | -34.0 | 2.09              | -26.1 | -51.9             | -76.4 | -17.4             | -1.28             | -30.8             | -76.4 | -47.7             | -51.4 | -15.3             | -26.1 | -60.4             | -76.4 | -7.69             | -15.0             | N/A               | -74.8 | -42.5             | -17.5 | 2.09              | N/A | -49.0             | -74.8 |

Coverage factors:  $w_{E_{ind}, cube\ avg.} = [5.57, 5.63, 5.72, 5.91, 6.05]$ ,  $w_{E_{ind}, local} = [7.86, 7.95, 8.07, 8.34, 8.54]$ ,  $w_{E_{ind}, line\ avg.} = [3.03, 3.06, 3.09, 3.17, 3.23]$

# cDASY6 Module WPT Measurement Report

## Device under test

Info:  
XMC30-FCC(X6877)-Top

Serial number:  
XMC30-FCC(X6877)-Top

Scenario:  
not set

## Tool info

DASY software version:  
cDASY6 Module WPT 2.8.0.5184

Probe model, serial no. and configuration date:  
MAGPy-8H3D+E3Dv2, WP000270, 2024/11/01

Software version:  
2.8.8, backend: 2.2.36

## Scan info

Center location:  
x: 45.71 mm, y: 61.12 mm, z: 92.29 mm

Dimensions:  
x: 168.3 mm, y: 212.9 mm, z: 36.2 mm

Resolution:  
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm

Completed on:  
2025/10/15  
11:00:08

Measurement results

Maximum H-field [RMS]:

MAGNITUDE: 2.96 A/m

X: 1.09 A/m, Y: 707.55 mA/m, Z: 2.66 A/m

Maximum H-field location relative to DUT:

X: -3.67 mm, Y: -11.00 mm, Z: 8.50 mm

Maximum E-field [RMS]:

MAGNITUDE: 201.93 V/m

X: 7.25 V/m, Y: 15.00 V/m, Z: 201.24 V/m

Maximum E-field location relative to DUT:

X: -29.33 mm, Y: -36.67 mm, Z: 0.00 m

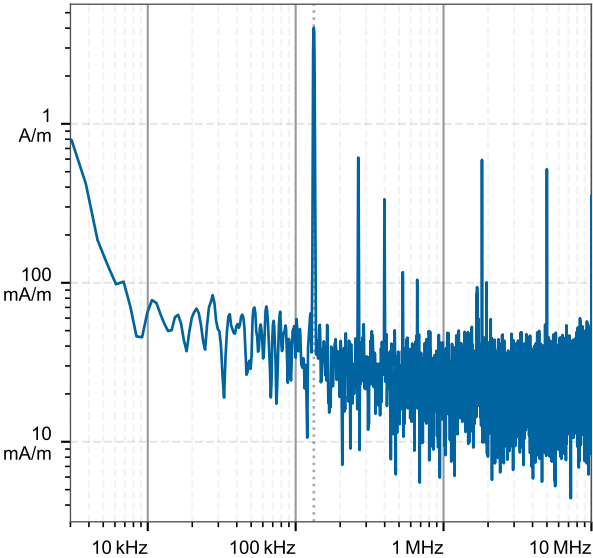
Distance to -20.0 dB boundary:

42.76 mm

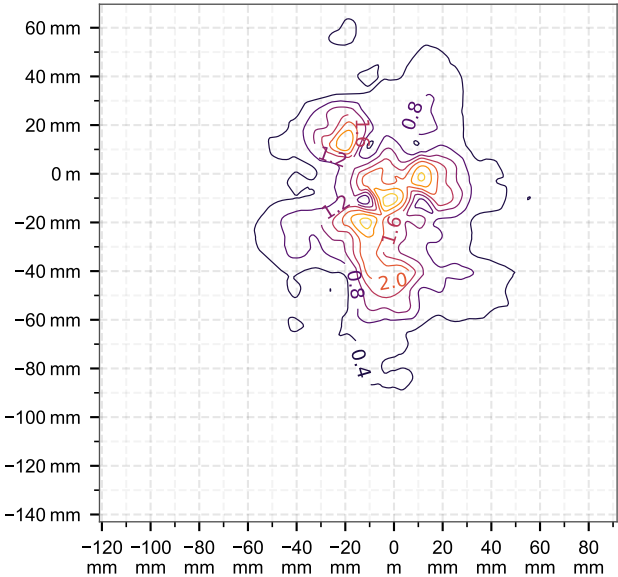
Offset relative to DUT:

X: 0.00 m, Y: 0.00 m, Z: 1.00 mm

H-field magnitude [RMS] at center location



H-field magnitude [RMS] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency ( f = 132.74 kHz, σ = 0.750 S/m, tissue density = 1,000 kg/m³ )

| Distance [mm] | Peak incident fields [RMS] |                        | Peak E <sub>ind</sub> [V/m, RMS] |        |           | Peak J <sub>ind</sub> [A/m <sup>2</sup> , RMS] |         | psSAR [mW/kg] |                    | H-field extent |                  | Warnings        |  |
|---------------|----------------------------|------------------------|----------------------------------|--------|-----------|------------------------------------------------|---------|---------------|--------------------|----------------|------------------|-----------------|--|
|               | H <sub>inc</sub> [A/m]     | E <sub>inc</sub> [V/m] | Cube avg.                        | Local  | Line avg. | Surface avg.                                   | 1g avg. | 10g avg.      | -20 dB radius [mm] | Sign           | Vector potential | Boundary effect |  |
| 0.00          | 4.05                       | 202                    | 0.0269                           | 0.0276 | 0.0277    | 0.0176                                         | 3.30e-4 | 1.97e-4       | 56.2               | 33%            | 70%              | 65%             |  |
| 5.00          | 2.92                       | 140                    | 0.0207                           | 0.0212 | 0.0211    | 0.0139                                         | 2.1e-4  | 1.3e-4        | 62.2               | 33%            | 70%              | 73%             |  |
| 10.0          | 2.49                       | 82.6                   | 0.0166                           | 0.017  | 0.0169    | 0.0112                                         | 1.36e-4 | 1.03e-4       | 65.7               | 33%            | 70%              | 85%             |  |
| 15.0          | 1.62                       | 62.9                   | 0.0136                           | 0.0139 | 0.0137    | 9.08e-3                                        | 1.02e-4 | 8.4e-5        | 76.7               | 33%            | 70%              | 93%             |  |
| 20.0          | 1.14                       | 60.3                   | 0.0113                           | 0.0114 | 0.0114    | 8.16e-3                                        | 8.4e-5  | 7.05e-5       | 83.9               | 33%            | 70%              | 100%            |  |

Compliance evaluation (Field values at the peak frequency) (f=132.74 kHz, total field evaluation, coverage evaluation)

| Distance [mm] | ICNIRP 2010/2020        |                         |                         |               | ICNIRP 1998             |                         |                                       |               | IEEE 2019               |                         |                         |               | FCC                     |                         |                         |               | HC Code 6               |                         |                         |               |
|---------------|-------------------------|-------------------------|-------------------------|---------------|-------------------------|-------------------------|---------------------------------------|---------------|-------------------------|-------------------------|-------------------------|---------------|-------------------------|-------------------------|-------------------------|---------------|-------------------------|-------------------------|-------------------------|---------------|
|               | RL [RMS]                |                         | BR [RMS]                |               | RL [RMS]                |                         | BR [RMS]                              |               | ERL [RMS]               |                         | DRL [RMS]               |               | MPE [RMS]               |                         | BR [RMS]                |               | RL [RMS]                |                         | BR [RMS]                |               |
|               | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pE <sub>ind</sub> [V/m] | psSAR [mW/kg] | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pJ <sub>ind</sub> [A/m <sup>2</sup> ] | psSAR [mW/kg] | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pE <sub>ind</sub> [V/m] | psSAR [mW/kg] | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pE <sub>ind</sub> [V/m] | psSAR [mW/kg] | pH <sub>inc</sub> [A/m] | pE <sub>inc</sub> [V/m] | pE <sub>ind</sub> [V/m] | psSAR [mW/kg] |
| 0.00          | 4.05                    | 202                     | 0.159                   | 2.39e-4       | 4.05                    | 202                     | 0.0233                                | 2.39e-4       | 4.05                    | 202                     | 0.0922                  | 2.39e-4       | 4.05                    | 202                     | N/A                     | 3.73e-4       | 4.05                    | 202                     | 0.228                   | 3.73e-4       |
| 5.00          | 2.92                    | 140                     | 0.124                   | 1.51e-4       | 2.92                    | 140                     | 0.0179                                | 1.51e-4       | 2.92                    | 140                     | 0.0706                  | 1.51e-4       | 2.92                    | 140                     | N/A                     | 2.30e-4       | 2.92                    | 140                     | 0.177                   | 2.30e-4       |
| 10.0          | 2.49                    | 82.6                    | 0.0992                  | 1.1e-4        | 2.49                    | 82.6                    | 0.0135                                | 1.1e-4        | 2.49                    | 82.6                    | 0.056                   | 1.1e-4        | 2.49                    | 82.6                    | N/A                     | 1.43e-4       | 2.49                    | 82.6                    | 0.142                   | 1.43e-4       |
| 15.0          | 1.62                    | 62.9                    | 0.083                   | 8.81e-5       | 1.62                    | 62.9                    | 0.0108                                | 8.81e-5       | 1.62                    | 62.9                    | 0.0462                  | 8.81e-5       | 1.62                    | 62.9                    | N/A                     | 1.06e-4       | 1.62                    | 62.9                    | 0.119                   | 1.06e-4       |
| 20.0          | 1.14                    | 60.3                    | 0.0708                  | 7.43e-5       | 1.14                    | 60.3                    | 9.84e-3                               | 7.43e-5       | 1.14                    | 60.3                    | 0.0393                  | 7.43e-5       | 1.14                    | 60.3                    | N/A                     | 8.78e-5       | 1.14                    | 60.3                    | 0.100                   | 8.78e-5       |

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation, coverage evaluation, ratios in dB)

| Distance<br>[mm] | ICNIRP 2010/2020  |       |                   |       |                   |       | ICNIRP 1998       |                   |                   |       | IEEE 2019         |       |                   |       |                   |       | FCC               |                   |                   |       | HC Code 6         |       |                   |     |                   |       |
|------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------------------|-------------------|-------|-------------------|-------|-------------------|-----|-------------------|-------|
|                  | RL                |       |                   |       | BR                |       | RL                |                   | BR                |       | ERL               |       |                   |       | DRL               |       | MPE               |                   | BR                |       | RL                |       |                   |     | BR                |       |
|                  | pH <sub>inc</sub> |       | pE <sub>inc</sub> |       | pE <sub>ind</sub> | psSAR | pH <sub>inc</sub> | pE <sub>inc</sub> | pJ <sub>ind</sub> | psSAR | pH <sub>inc</sub> |       | pE <sub>inc</sub> |       | pE <sub>ind</sub> | psSAR | pH <sub>inc</sub> | pE <sub>inc</sub> | pE <sub>ind</sub> | psSAR | pH <sub>inc</sub> |       | pE <sub>inc</sub> |     | pE <sub>ind</sub> | psSAR |
|                  | NS                | TH    | NS                | TH    |                   |       |                   |                   |                   |       | NS                | TH    | N/A               | N/A   |                   |       |                   |                   |                   |       | NS                | TH    | NS                | TH  |                   |       |
| 0.00             | -14.3             | -19.2 | 12.6              | -17.5 | -40.7             | -67.4 | -1.83             | 10.1              | -19.7             | -67.4 | -32.1             | -36.6 | -4.8              | -16.0 | -49.1             | -67.4 | 7.91              | -4.48             | N/A               | -65.1 | -26.9             | -2.66 | 12.6              | N/A | -37.7             | -65.1 |
| 5.00             | -17.1             | -22.0 | 9.43              | -20.7 | -42.9             | -69.8 | -4.67             | 6.98              | -22.1             | -69.8 | -34.9             | -39.5 | -7.95             | -19.2 | -51.4             | -69.8 | 5.07              | -7.63             | N/A               | -67.4 | -29.8             | -5.5  | 9.43              | N/A | -39.9             | -67.4 |
| 10.0             | -18.5             | -23.4 | 4.82              | -25.3 | -44.9             | -71.8 | -6.04             | 2.37              | -24.8             | -71.8 | -36.3             | -40.8 | -12.6             | -23.8 | -53.6             | -71.8 | 3.69              | -12.2             | N/A               | -69.9 | -31.1             | -6.87 | 4.82              | N/A | -41.9             | -69.9 |
| 15.0             | -22.3             | -27.2 | 2.45              | -27.7 | -46.5             | -73.0 | -9.79             | <0.01             | -26.8             | -73.0 | -40.1             | -44.6 | -14.9             | -26.2 | -55.3             | -73.0 | -0.05             | -14.6             | N/A               | -71.3 | -34.9             | -10.6 | 2.45              | N/A | -43.4             | -71.3 |
| 20.0             | -25.3             | -30.2 | 2.08              | -28.0 | -47.9             | -73.7 | -12.9             | -0.37             | -27.6             | -73.7 | -43.1             | -47.7 | -15.3             | -26.5 | -56.6             | -73.7 | -3.13             | -15.0             | N/A               | -72.1 | -38.0             | -13.7 | 2.08              | N/A | -44.9             | -72.1 |

Coverage factors:  $w_{E_{ind}, cube\ avg.} = [5.64, 5.73, 5.79, 5.95, 6.06]$ ,  $w_{E_{ind}, local} = [7.97, 8.10, 8.17, 8.41, 8.56]$ ,  $w_{E_{ind}, line\ avg.} = [3.06, 3.10, 3.12, 3.19, 3.24]$