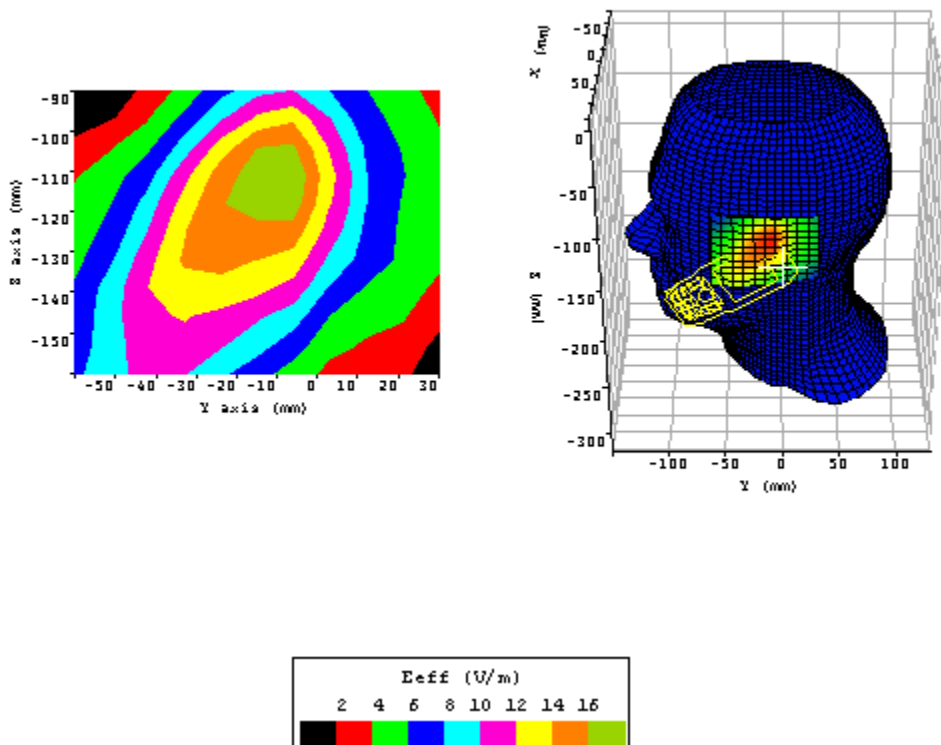


## Appendix A: Measurement Plots

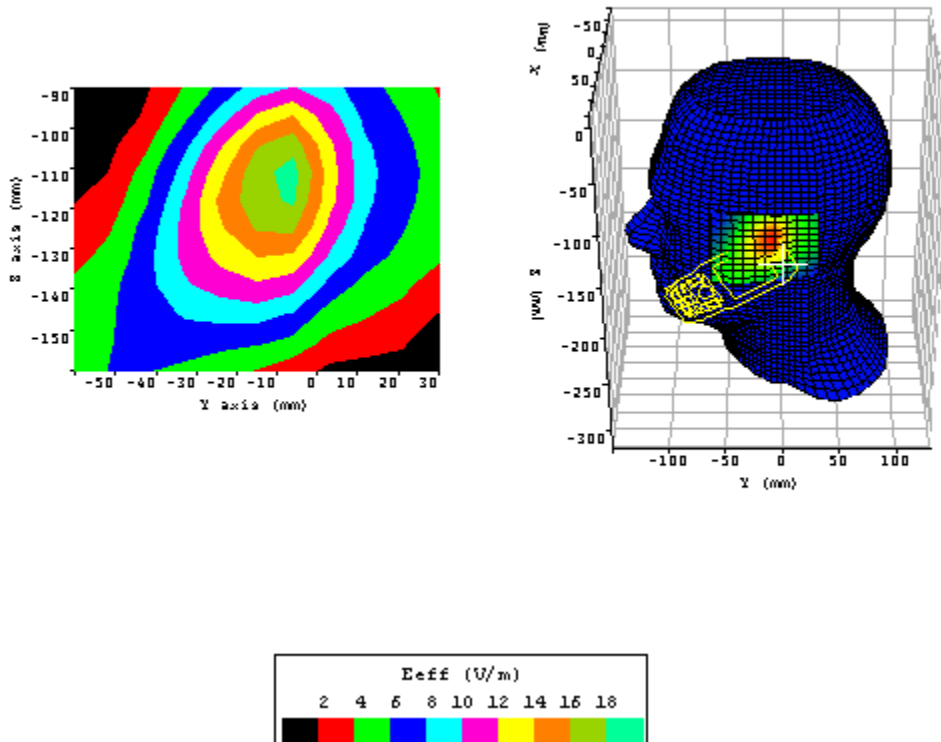
### 1900 MHz Head SAR



| Plot 1.                             |                           |
|-------------------------------------|---------------------------|
| Date:                               | 8/22/2002                 |
| Temperature Air / Liquid:           | 22.3°C / 22.0°C           |
| Liquid mass density ( $\rho$ ):     | 1                         |
| DCP <sup>1</sup>                    | 8                         |
| Probe factors (S/N 0106) (ConvF):   | X=0.574, Y=0.845, Z=0.518 |
| Position:                           | Left touch                |
| Channel:                            | 661                       |
| Maximum 1 gram SAR:                 | 0.697W/Kg                 |
| Maximum 10 gram SAR:                | 0.409W/Kg                 |
| Power reference start:              | 0.183W/Kg                 |
| Power reference end                 | 0.177W/Kg                 |
| Power reference change <sup>2</sup> | -3.5%                     |

<sup>1</sup> DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 7.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

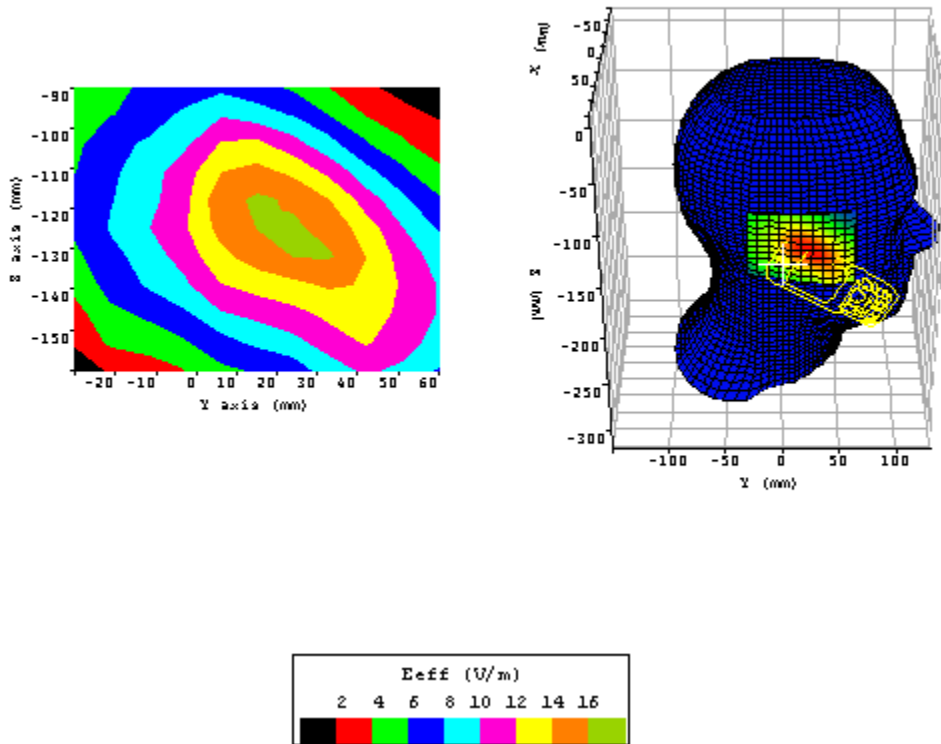
<sup>2</sup> The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.



| Plot 2.                             |                           |
|-------------------------------------|---------------------------|
| Date:                               | 8/22/2002                 |
| Temperature Air / Liquid:           | 22.3°C / 22.0°C           |
| Liquid mass density ( $\rho$ ):     | 1                         |
| DCP <sup>1</sup>                    | 8                         |
| Probe factors (S/N 0106) (ConvF):   | X=0.574, Y=0.845, Z=0.518 |
| Position:                           | Left tilt                 |
| Channel:                            | 661                       |
| Maximum 1 gram SAR:                 | 0.773 W/Kg                |
| Maximum 10 gram SAR:                | 0.437 W/Kg                |
| Power reference start:              | 0.212 W/Kg                |
| Power reference end                 | 0.215 W/Kg                |
| Power reference change <sup>2</sup> | 1.26%                     |

<sup>1</sup>DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 7.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

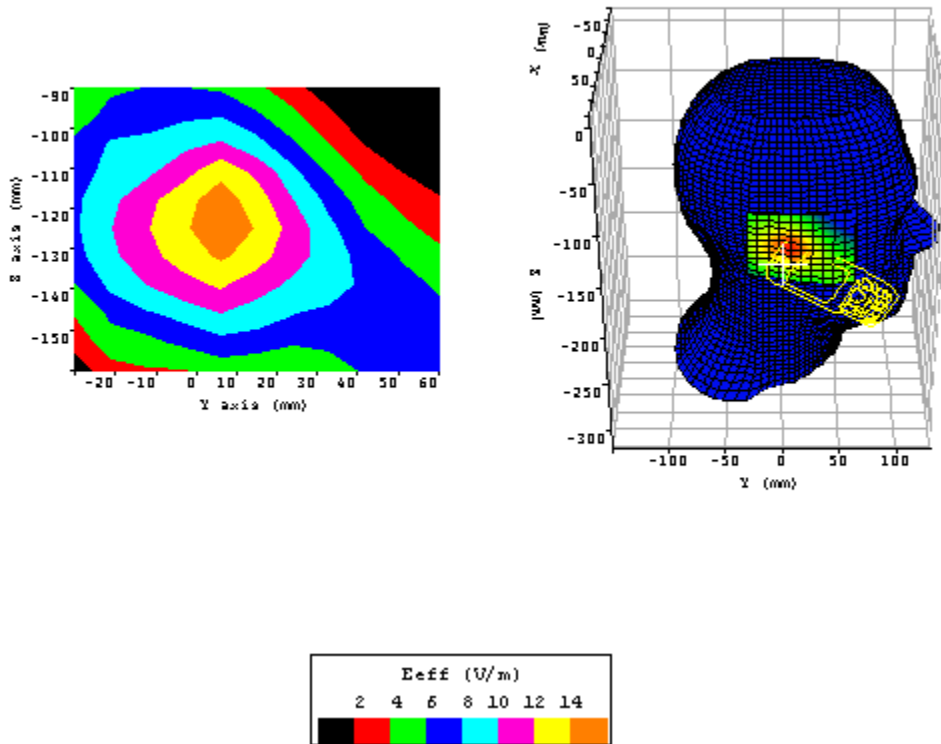
<sup>2</sup> The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.



| Plot 3.                             |                           |
|-------------------------------------|---------------------------|
| Date:                               | 8/22/2002                 |
| Temperature Air / Liquid:           | 22.3°C / 22.0°C           |
| Liquid mass density ( $\rho$ ):     | 1                         |
| DCP <sup>1</sup>                    | 8                         |
| Probe factors (S/N 0106) (ConvF):   | X=0.574, Y=0.845, Z=0.518 |
| Position:                           | Right touch               |
| Channel:                            | 661                       |
| Maximum 1 gram SAR:                 | 0.584W/Kg                 |
| Maximum 10 gram SAR:                | 0.377W/Kg                 |
| Power reference start:              | 0.178W/Kg                 |
| Power reference end                 | 0.178W/Kg                 |
| Power reference change <sup>2</sup> | 0.00W/Kg                  |

<sup>1</sup> DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 7.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

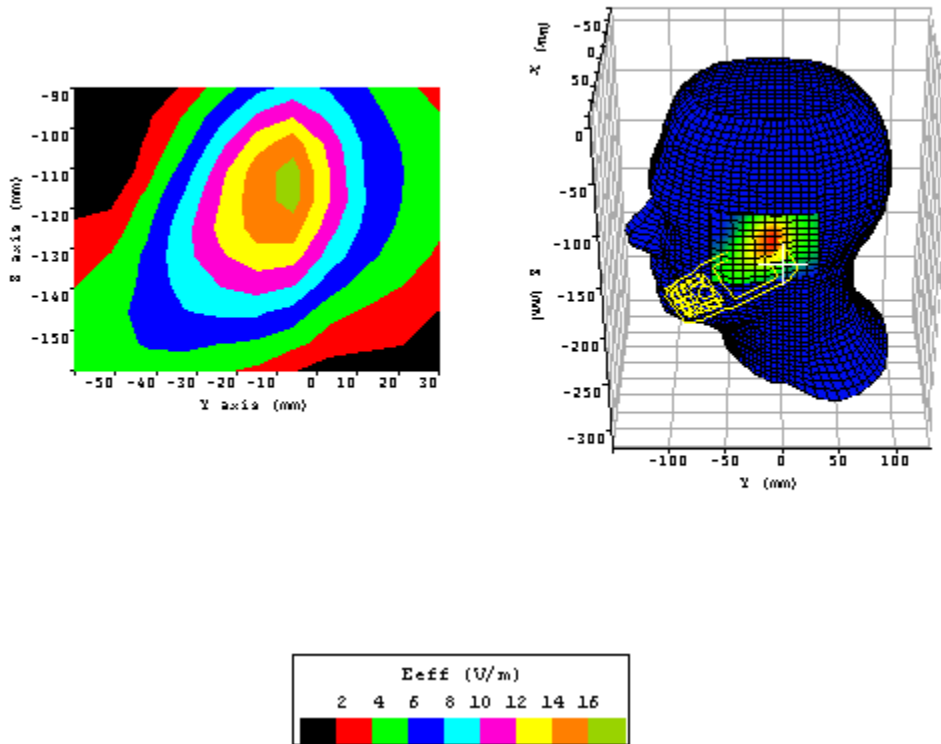
<sup>2</sup> The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.



| Plot 4.                             |                           |
|-------------------------------------|---------------------------|
| Date:                               | 8/22/2002                 |
| Temperature Air / Liquid:           | 22.3°C / 22.0°C           |
| Liquid mass density ( $\rho$ ):     | 1                         |
| DCP <sup>1</sup>                    | 8                         |
| Probe factors (S/N 0106) (ConvF):   | X=0.574, Y=0.845, Z=0.518 |
| Position:                           | Right tilt                |
| Channel:                            | 661                       |
| Maximum 1 gram SAR:                 | 0.530 W/Kg                |
| Maximum 10 gram SAR:                | 0.318 W/Kg                |
| Power reference start:              | 0.157 W/Kg                |
| Power reference end                 | 0.150 W/Kg                |
| Power reference change <sup>2</sup> | -3.86%                    |

<sup>1</sup> DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 7.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

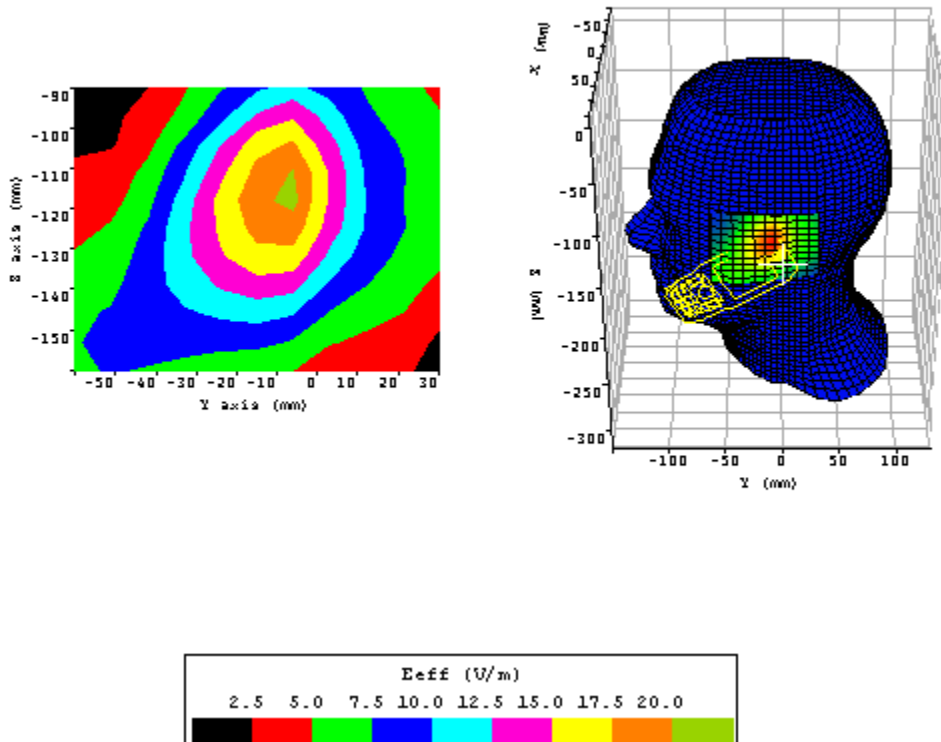
<sup>2</sup> The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.



| Plot 5.                             |                           |
|-------------------------------------|---------------------------|
| Date:                               | 8/22/2002                 |
| Temperature Air / Liquid:           | 22.3°C / 22.0°C           |
| Liquid mass density ( $\rho$ ):     | 1                         |
| DCP <sup>1</sup>                    | 8                         |
| Probe factors (S/N 0106) (ConvF):   | X=0.574, Y=0.845, Z=0.518 |
| Position:                           | Left tilt                 |
| Channel:                            | 512                       |
| Maximum 1 gram SAR:                 | 0.590 W/Kg                |
| Maximum 10 gram SAR:                | 0.335W/Kg                 |
| Power reference start:              | 0.170 W/Kg                |
| Power reference end                 | 0.168 W/Kg                |
| Power reference change <sup>2</sup> | -1.18%                    |

<sup>1</sup> DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 7.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

<sup>2</sup> The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

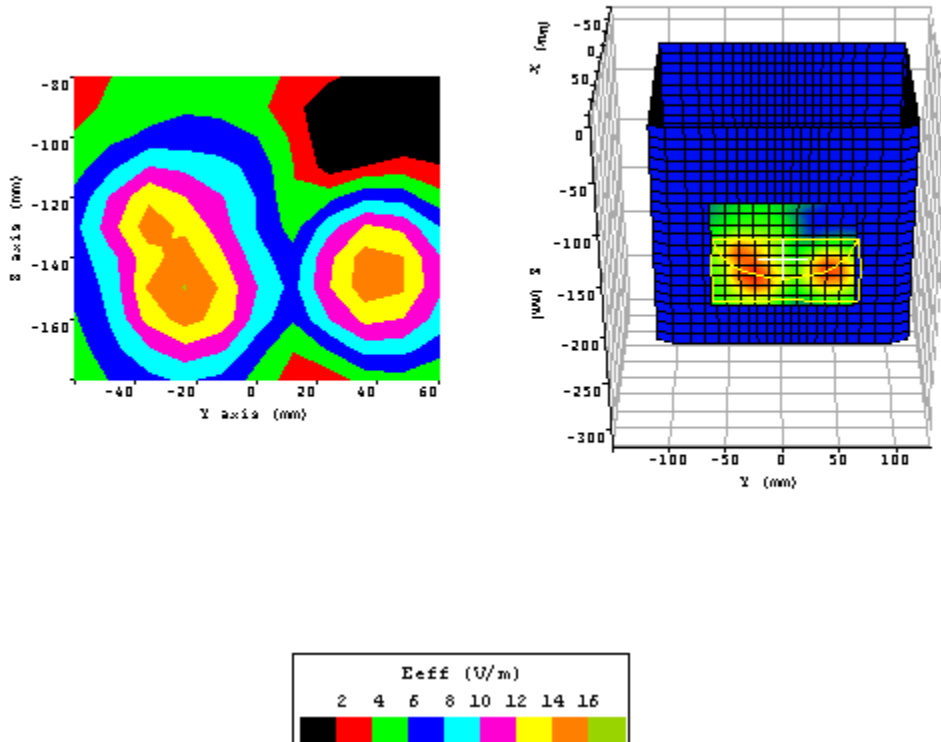


| Plot 6.                             |                           |
|-------------------------------------|---------------------------|
| Date:                               | 8/22/2002                 |
| Temperature Air / Liquid:           | 22.3°C / 22.0°C           |
| Liquid mass density ( $\rho$ ):     | 1                         |
| DCP <sup>1</sup>                    | 8                         |
| Probe factors (S/N 0106) (ConvF):   | X=0.574, Y=0.845, Z=0.518 |
| Position:                           | Left tilt                 |
| Channel:                            | 810                       |
| Maximum 1 gram SAR:                 | 0.888 W/Kg                |
| Maximum 10 gram SAR:                | 0.525 W/Kg                |
| Power reference start:              | 0.260W/Kg                 |
| Power reference end                 | 0.251 W/Kg                |
| Power reference change <sup>2</sup> | -3.39%                    |

<sup>1</sup> DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 7.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

<sup>2</sup> The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

## 1900 MHz Body SAR

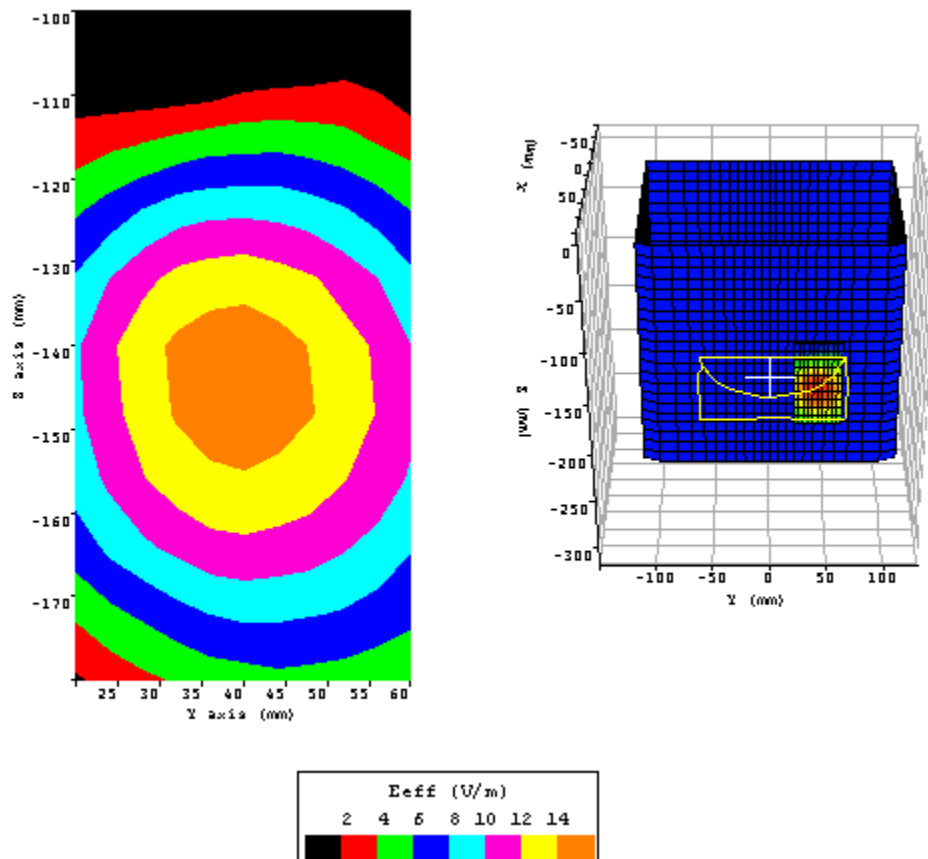


### Results 1<sup>st</sup> Peak

| Plot 7.                             |                           |
|-------------------------------------|---------------------------|
| Date:                               | 8/23/2002                 |
| Temperature Air / Liquid:           | 22.0°C / 22.0°C           |
| Liquid mass density ( $\rho$ ):     | 1                         |
| DCP <sup>1</sup>                    | 8                         |
| Probe factors (S/N 0106) (ConvF):   | X=0.646, Y=0.950, Z=0.583 |
| Position:                           | In pouch w/ headset       |
| Channel:                            | 661                       |
| Maximum 1 gram SAR:                 | 0.660 W/Kg                |
| Maximum 10 gram SAR:                | 0.392 W/Kg                |
| Power reference start:              | 0.176W/Kg                 |
| Power reference end                 | 0.182 W/Kg                |
| Power reference change <sup>2</sup> | 3.19%                     |

<sup>1</sup> DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 7.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

<sup>2</sup> The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

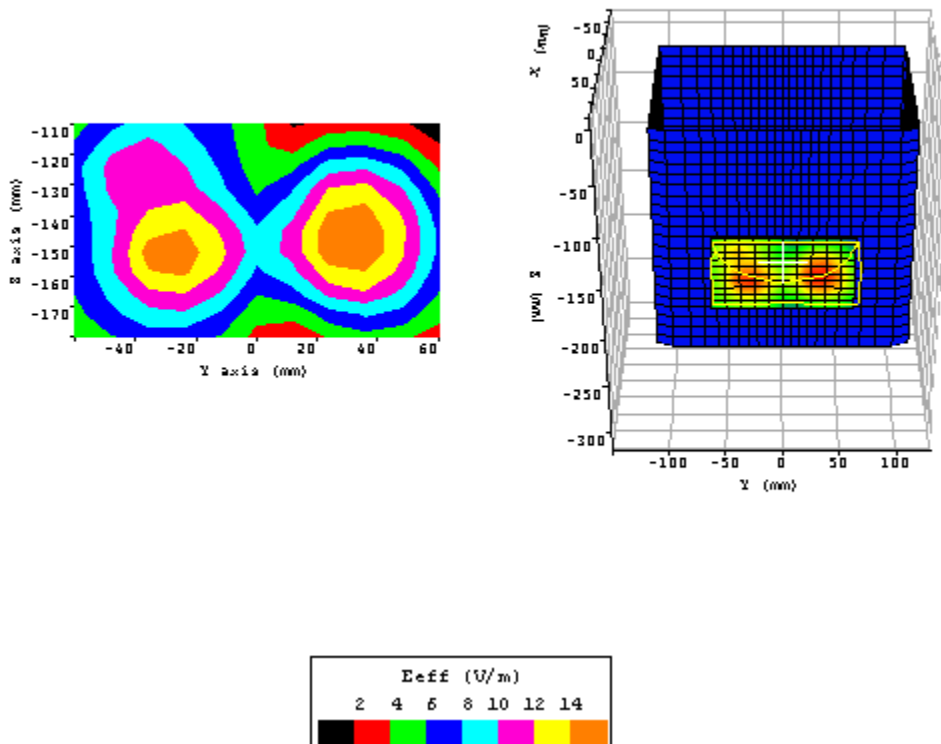
Results 2<sup>nd</sup> Peak

| Plot 8.                             |                           |
|-------------------------------------|---------------------------|
| Date:                               | 8/23/2002                 |
| Temperature Air / Liquid:           | 22.0°C / 22.0°C           |
| Liquid mass density ( $\rho$ ):     | 1                         |
| DCP <sup>1</sup>                    | 8                         |
| Probe factors (S/N 0106) (ConvF):   | X=0.646, Y=0.950, Z=0.583 |
| Position:                           | In pouch w/ headset       |
| Channel:                            | 661                       |
| Maximum 1 gram SAR:                 | 0.573 W/Kg                |
| Maximum 10 gram SAR:                | 0.351 W/Kg                |
| Power reference start:              | 0.172 W/Kg                |
| Power reference end                 | 0.174 W/Kg                |
| Power reference change <sup>2</sup> | 1.49%                     |

<sup>1</sup> DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 7.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

<sup>2</sup> The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

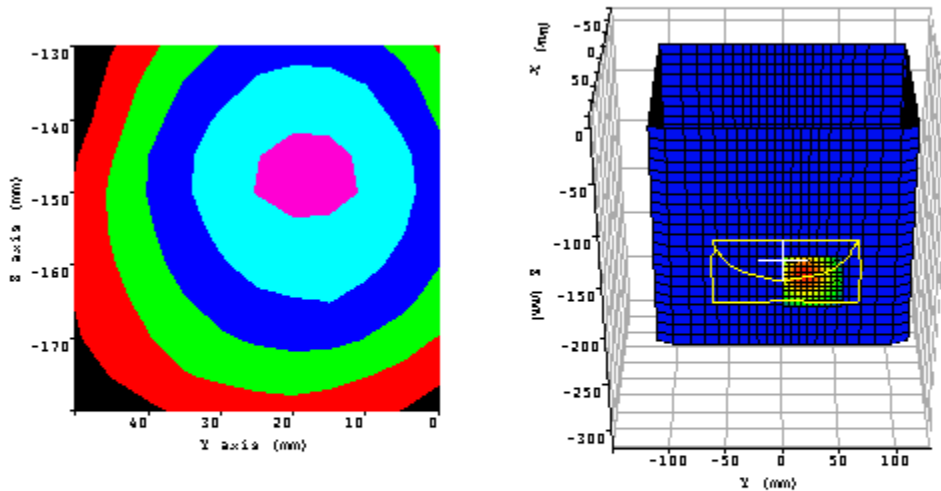


Results 1<sup>st</sup> Peak

| Plot 9.                             |                           |
|-------------------------------------|---------------------------|
| Date:                               | 8/23/2002                 |
| Temperature Air / Liquid:           | 22.0°C / 22.0°C           |
| Liquid mass density ( $\rho$ ):     | 1                         |
| DCP <sup>1</sup>                    | 8                         |
| Probe factors (S/N 0106) (ConvF):   | X=0.646, Y=0.950, Z=0.583 |
| Position:                           | In pouch w/ headset       |
| Channel:                            | 512                       |
| Maximum 1 gram SAR:                 | 0.616 W/Kg                |
| Maximum 10 gram SAR:                | 0.385 W/Kg                |
| Power reference start:              | 0.202W/Kg                 |
| Power reference end                 | 0.199 W/Kg                |
| Power reference change <sup>2</sup> | -1.48%                    |

<sup>1</sup> DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 7.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

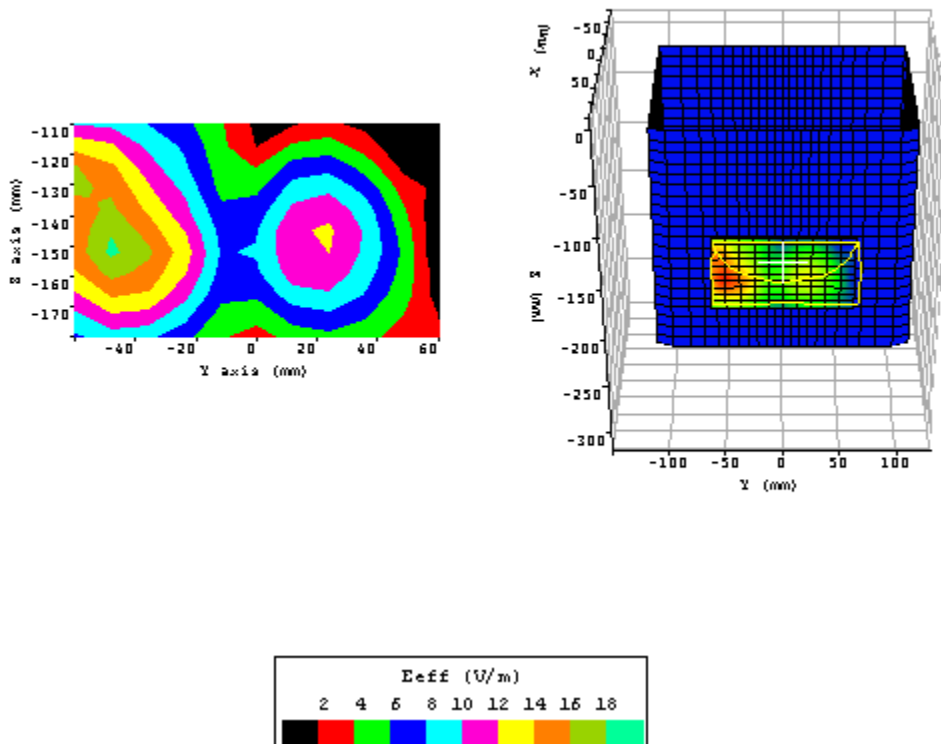
<sup>2</sup> The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

Results 2<sup>nd</sup> Peak

| Plot 10.                            |                           |
|-------------------------------------|---------------------------|
| Date:                               | 8/23/2002                 |
| Temperature Air / Liquid:           | 22.0°C / 22.0°C           |
| Liquid mass density ( $\rho$ ):     | 1                         |
| DCP <sup>1</sup>                    | 8                         |
| Probe factors (S/N 0106) (ConvF):   | X=0.646, Y=0.950, Z=0.583 |
| Position:                           | In pouch w/ headset       |
| Channel:                            | 512                       |
| Maximum 1 gram SAR:                 | 0.379 W/Kg                |
| Maximum 10 gram SAR:                | 0.233 W/Kg                |
| Power reference start:              | 0.115 W/Kg                |
| Power reference end                 | 0.118 W/Kg                |
| Power reference change <sup>2</sup> | 2.57%                     |

<sup>1</sup> DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 7.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

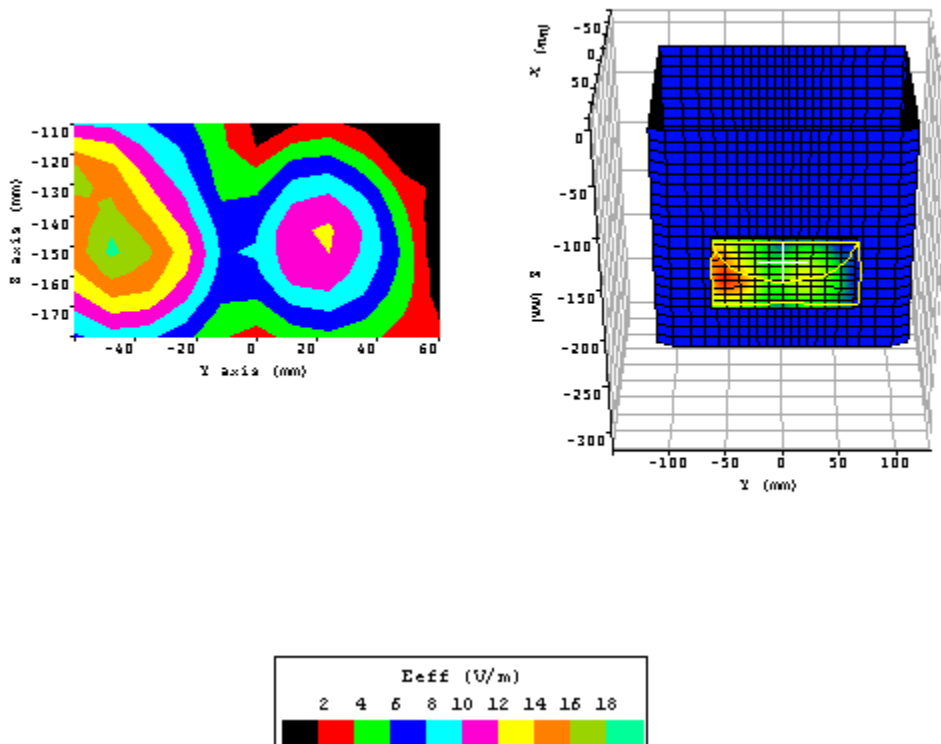
<sup>2</sup> The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

Results 1<sup>st</sup> Peak

| Plot 11.                            |                           |
|-------------------------------------|---------------------------|
| Date:                               | 8/23/2002                 |
| Temperature Air / Liquid:           | 22.0°C / 22.0°C           |
| Liquid mass density ( $\rho$ ):     | 1                         |
| DCP <sup>1</sup>                    | 8                         |
| Probe factors (S/N 0106) (ConvF):   | X=0.646, Y=0.950, Z=0.583 |
| Position:                           | In pouch w/ headset       |
| Channel:                            | 810                       |
| Maximum 1 gram SAR:                 | 0.801 W/Kg                |
| Maximum 10 gram SAR:                | 0.479 W/Kg                |
| Power reference start:              | 0.227 W/Kg                |
| Power reference end                 | 0.223 W/Kg                |
| Power reference change <sup>2</sup> | -1.71%                    |

<sup>1</sup> DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 7.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

<sup>2</sup> The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.

Results 2<sup>nd</sup> Peak

| Plot 12.                            |                           |
|-------------------------------------|---------------------------|
| Date:                               | 8/23/2002                 |
| Temperature Air / Liquid:           | 22.0°C / 22.0°C           |
| Liquid mass density ( $\rho$ ):     | 1                         |
| DCP <sup>1</sup>                    | 8                         |
| Probe factors (S/N 0106) (ConvF):   | X=0.646, Y=0.950, Z=0.583 |
| Position:                           | In pouch w/ headset       |
| Channel:                            | 810                       |
| Maximum 1 gram SAR:                 | 0.386 W/Kg                |
| Maximum 10 gram SAR:                | 0.233 W/Kg                |
| Power reference start:              | 0.110W/Kg                 |
| Power reference end                 | 0.114W/Kg                 |
| Power reference change <sup>2</sup> | 3.46%                     |

<sup>1</sup> DCP: Diode compression potential for different types of modulation is determined during the calibration of the probe. See section 7.2 of this report *Probe and Amplifier Specification*. Crest factor is not used.

<sup>2</sup> The power reference change is calculated by the test system with more digits than indicated in the power reference start and end values.