

**Table 14.26: SAR Values (Wi-Fi 802.11a - Head)**

| Ambient Temperature: 22.5 °C |     |       |               |            |                       | Liquid Temperature: 22.0 °C |                          |                          |                         |                         |                  |
|------------------------------|-----|-------|---------------|------------|-----------------------|-----------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |     | Side  | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm)    | Measured SAR(10g) (W/kg) | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch. |       |               |            |                       |                             |                          |                          |                         |                         |                  |
| 5220                         | 44  | Left  | Touch         | /          | 16.83                 | 17.0                        | 0.068                    | <b>0.07</b>              | 0.260                   | <b>0.27</b>             | 0.18             |
| 5220                         | 44  | Left  | Tilt          | /          | 16.83                 | 17.0                        | 0.025                    | <b>0.03</b>              | 0.097                   | <b>0.10</b>             | 0.19             |
| 5220                         | 44  | Right | Touch         | /          | 16.83                 | 17.0                        | 0.045                    | <b>0.05</b>              | 0.126                   | <b>0.13</b>             | 0.14             |
| 5220                         | 44  | Right | Tilt          | /          | 16.83                 | 17.0                        | 0.017                    | <b>0.02</b>              | 0.047                   | <b>0.05</b>             | -0.17            |
| 5300                         | 60  | Left  | Touch         | Fig.25     | 17.62                 | 18.0                        | 0.172                    | <b>0.19</b>              | 0.492                   | <b>0.54</b>             | 0.18             |
| 5300                         | 60  | Left  | Tilt          | /          | 17.62                 | 18.0                        | 0.083                    | <b>0.09</b>              | 0.238                   | <b>0.26</b>             | 0.18             |
| 5300                         | 60  | Right | Touch         | /          | 17.62                 | 18.0                        | 0.042                    | <b>0.05</b>              | 0.118                   | <b>0.13</b>             | 0.10             |
| 5300                         | 60  | Right | Tilt          | /          | 17.62                 | 18.0                        | 0.012                    | <b>0.01</b>              | 0.033                   | <b>0.04</b>             | 0.00             |
| 5700                         | 140 | Left  | Touch         | /          | 17.97                 | 18.0                        | 0.117                    | <b>0.12</b>              | 0.320                   | <b>0.32</b>             | 0.14             |
| 5700                         | 140 | Left  | Tilt          | /          | 17.97                 | 18.0                        | 0.041                    | <b>0.04</b>              | 0.116                   | <b>0.12</b>             | 0.10             |
| 5700                         | 140 | Right | Touch         | /          | 17.97                 | 18.0                        | 0.035                    | <b>0.04</b>              | 0.101                   | <b>0.10</b>             | 0.11             |
| 5700                         | 140 | Right | Tilt          | /          | 17.97                 | 18.0                        | 0.012                    | <b>0.01</b>              | 0.033                   | <b>0.03</b>             | 0.09             |
| 5745                         | 149 | Left  | Touch         | /          | 17.79                 | 18.0                        | 0.167                    | <b>0.18</b>              | 0.479                   | <b>0.50</b>             | 0.17             |
| 5745                         | 149 | Left  | Tilt          | /          | 17.79                 | 18.0                        | 0.057                    | <b>0.06</b>              | 0.162                   | <b>0.17</b>             | 0.12             |
| 5745                         | 149 | Right | Touch         | /          | 17.79                 | 18.0                        | 0.051                    | <b>0.05</b>              | 0.146                   | <b>0.15</b>             | 0.16             |
| 5745                         | 149 | Right | Tilt          | /          | 17.79                 | 18.0                        | 0.011                    | <b>0.01</b>              | 0.031                   | <b>0.03</b>             | 0.10             |

**Table 14.27: SAR Values (Wi-Fi 802.11a - Body)**

| Ambient Temperature: 22.5 °C |     |               |            |                       |                          | Liquid Temperature: 22.0 °C |                          |                         |                         |                  |
|------------------------------|-----|---------------|------------|-----------------------|--------------------------|-----------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |     | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(10g) (W/kg)    | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch. |               |            |                       |                          |                             |                          |                         |                         |                  |
| 5220                         | 44  | Front         | /          | 16.83                 | 17.0                     | 0.037                       | <b>0.04</b>              | 0.090                   | <b>0.09</b>             | 0.15             |
| 5220                         | 44  | Rear          | Fig.26     | 16.83                 | 17.0                     | 0.183                       | <b>0.19</b>              | 0.503                   | <b>0.52</b>             | 0.12             |
| 5220                         | 44  | Right         | /          | 16.83                 | 17.0                     | 0.153                       | <b>0.16</b>              | 0.421                   | <b>0.44</b>             | -0.05            |
| 5220                         | 44  | Top           | /          | 16.83                 | 17.0                     | 0.021                       | <b>0.02</b>              | 0.051                   | <b>0.05</b>             | 0.11             |
| 5300                         | 60  | Front         | /          | 17.62                 | 18.0                     | 0.020                       | <b>0.02</b>              | 0.055                   | <b>0.06</b>             | 0.11             |
| 5300                         | 60  | Rear          | /          | 17.62                 | 18.0                     | 0.159                       | <b>0.17</b>              | 0.441                   | <b>0.48</b>             | 0.18             |
| 5300                         | 60  | Right         | /          | 17.62                 | 18.0                     | 0.109                       | <b>0.12</b>              | 0.301                   | <b>0.33</b>             | -0.14            |
| 5300                         | 60  | Top           | /          | 17.62                 | 18.0                     | 0.009                       | <b>0.01</b>              | 0.024                   | <b>0.03</b>             | 0.13             |
| 5700                         | 140 | Front         | /          | 17.97                 | 18.0                     | 0.025                       | <b>0.03</b>              | 0.069                   | <b>0.07</b>             | 0.10             |
| 5700                         | 140 | Rear          | /          | 17.97                 | 18.0                     | 0.141                       | <b>0.14</b>              | 0.388                   | <b>0.39</b>             | -0.17            |
| 5700                         | 140 | Right         | /          | 17.97                 | 18.0                     | 0.119                       | <b>0.12</b>              | 0.332                   | <b>0.33</b>             | 0.18             |
| 5700                         | 140 | Top           | /          | 17.97                 | 18.0                     | 0.011                       | <b>0.01</b>              | 0.029                   | <b>0.03</b>             | 0.14             |
| 5745                         | 149 | Front         | /          | 17.79                 | 18.0                     | 0.042                       | <b>0.04</b>              | 0.145                   | <b>0.15</b>             | 0.00             |
| 5745                         | 149 | Rear          | Fig.26-2   | 17.79                 | 18.0                     | 0.138                       | <b>0.14</b>              | 0.579                   | <b>0.61</b>             | 0.10             |
| 5745                         | 149 | Right         | /          | 17.79                 | 18.0                     | 0.113                       | <b>0.12</b>              | 0.459                   | <b>0.48</b>             | 0.00             |
| 5745                         | 149 | Top           | /          | 17.79                 | 18.0                     | 0.010                       | <b>0.01</b>              | 0.029                   | <b>0.03</b>             | 0.00             |

Note1: The distance between the EUT and the phantom bottom is 10mm for ch.149 and 15mm for others.

**Table 14.28: SAR Values (Wi-Fi 802.11n (20M) - Head)**

| Ambient Temperature: 22.5 °C |     |       |               |            |                       | Liquid Temperature: 22.0 °C |                          |                          |                         |                         |                  |
|------------------------------|-----|-------|---------------|------------|-----------------------|-----------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |     | Side  | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm)    | Measured SAR(10g) (W/kg) | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch. |       |               |            |                       |                             |                          |                          |                         |                         |                  |
| 5300                         | 60  | Left  | Touch         | Fig.27     | 18.12                 | 18.5                        | 0.200                    | <b>0.22</b>              | 0.601                   | <b>0.66</b>             | 0.16             |
| 5300                         | 60  | Left  | Tilt          | /          | 18.12                 | 18.5                        | 0.037                    | <b>0.04</b>              | 0.113                   | <b>0.12</b>             | 0.06             |
| 5300                         | 60  | Right | Touch         | /          | 18.12                 | 18.5                        | 0.060                    | <b>0.07</b>              | 0.183                   | <b>0.20</b>             | 0.00             |
| 5300                         | 60  | Right | Tilt          | /          | 18.12                 | 18.5                        | 0.014                    | <b>0.01</b>              | 0.042                   | <b>0.05</b>             | 0.10             |
| 5700                         | 140 | Left  | Touch         | /          | 18.45                 | 18.5                        | 0.082                    | <b>0.08</b>              | 0.247                   | <b>0.25</b>             | 0.05             |
| 5700                         | 140 | Left  | Tilt          | /          | 18.45                 | 18.5                        | 0.036                    | <b>0.04</b>              | 0.109                   | <b>0.11</b>             | 0.11             |
| 5700                         | 140 | Right | Touch         | /          | 18.45                 | 18.5                        | 0.025                    | <b>0.03</b>              | 0.077                   | <b>0.08</b>             | 0.00             |
| 5700                         | 140 | Right | Tilt          | /          | 18.45                 | 18.5                        | 0.007                    | <b>0.01</b>              | 0.022                   | <b>0.02</b>             | 0.16             |

**Table 14.29: SAR Values (Wi-Fi 802.11n (20M) - Body)**

| Ambient Temperature: 22.5 °C |     |               |            |                       |                          | Liquid Temperature: 22.0 °C |                          |                         |                         |                  |
|------------------------------|-----|---------------|------------|-----------------------|--------------------------|-----------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |     | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(10g) (W/kg)    | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch. |               |            |                       |                          |                             |                          |                         |                         |                  |
| 5300                         | 60  | Front         | /          | 18.12                 | 18.5                     | 0.034                       | <b>0.04</b>              | 0.089                   | <b>0.10</b>             | 0.10             |
| 5300                         | 60  | Rear          | Fig.28     | 18.12                 | 18.5                     | 0.123                       | <b>0.13</b>              | 0.324                   | <b>0.35</b>             | 0.09             |
| 5300                         | 60  | Right         | /          | 18.12                 | 18.5                     | 0.114                       | <b>0.12</b>              | 0.303                   | <b>0.33</b>             | -0.14            |
| 5300                         | 60  | Top           | /          | 18.12                 | 18.5                     | 0.007                       | <b>0.01</b>              | 0.019                   | <b>0.02</b>             | 0.14             |
| 5700                         | 140 | Front         | /          | 18.45                 | 18.5                     | 0.037                       | <b>0.04</b>              | 0.098                   | <b>0.10</b>             | 0.11             |
| 5700                         | 140 | Rear          | /          | 18.45                 | 18.5                     | 0.126                       | <b>0.13</b>              | 0.329                   | <b>0.33</b>             | 0.10             |
| 5700                         | 140 | Right         | /          | 18.45                 | 18.5                     | 0.111                       | <b>0.11</b>              | 0.301                   | <b>0.30</b>             | 0.08             |
| 5700                         | 140 | Top           | /          | 18.45                 | 18.5                     | 0.008                       | <b>0.01</b>              | 0.021                   | <b>0.02</b>             | -0.17            |

Note1: The distance between the EUT and the phantom bottom is 15mm.

**Table 14.30: SAR Values (Wi-Fi 802.11n (40M) - Head)**

| Ambient Temperature: 22.5 °C |     |       |               |            |                       | Liquid Temperature: 22.0 °C |                          |                          |                         |                         |                  |
|------------------------------|-----|-------|---------------|------------|-----------------------|-----------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |     | Side  | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm)    | Measured SAR(10g) (W/kg) | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch. |       |               |            |                       |                             |                          |                          |                         |                         |                  |
| 5310                         | 62  | Left  | Touch         | Fig.29     | 17.98                 | 18.0                        | 0.194                    | <b>0.19</b>              | 0.549                   | <b>0.55</b>             | 0.02             |
| 5310                         | 62  | Left  | Tilt          | /          | 17.98                 | 18.0                        | 0.077                    | <b>0.08</b>              | 0.218                   | <b>0.22</b>             | 0.13             |
| 5310                         | 62  | Right | Touch         | /          | 17.98                 | 18.0                        | 0.060                    | <b>0.06</b>              | 0.155                   | <b>0.16</b>             | 0.14             |
| 5310                         | 62  | Right | Tilt          | /          | 17.98                 | 18.0                        | 0.023                    | <b>0.02</b>              | 0.059                   | <b>0.06</b>             | 0.12             |

**Table 14.31: SAR Values (Wi-Fi 802.11n (40M) - Body)**

| Ambient Temperature: 22.5 °C |     |               |            |                       |                          | Liquid Temperature: 22.0 °C |                          |                         |                         |                  |
|------------------------------|-----|---------------|------------|-----------------------|--------------------------|-----------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |     | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(10g) (W/kg)    | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch. |               |            |                       |                          |                             |                          |                         |                         |                  |
| 5310                         | 62  | Front         | /          | 17.98                 | 18.0                     | 0.028                       | <b>0.03</b>              | 0.074                   | <b>0.07</b>             | 0.14             |
| 5310                         | 62  | Rear          | Fig.30     | 17.98                 | 18.0                     | 0.175                       | <b>0.18</b>              | 0.492                   | <b>0.49</b>             | 0.01             |
| 5310                         | 62  | Right         | /          | 17.98                 | 18.0                     | 0.151                       | <b>0.15</b>              | 0.427                   | <b>0.43</b>             | -0.10            |
| 5310                         | 62  | Top           | /          | 17.98                 | 18.0                     | 0.017                       | <b>0.02</b>              | 0.044                   | <b>0.04</b>             | 0.16             |

Note1: The distance between the EUT and the phantom bottom is 15mm.

**Table 14.32: SAR Values (Wi-Fi 802.11ac (80M) - Head)**

| Ambient Temperature: 22.5 °C |     |      |               |            |                       | Liquid Temperature: 22.0 °C |                          |                          |                         |                         |                  |
|------------------------------|-----|------|---------------|------------|-----------------------|-----------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |     | Side | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm)    | Measured SAR(10g) (W/kg) | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch. |      |               |            |                       |                             |                          |                          |                         |                         |                  |
| 5210                         | 42  | Left | Touch         | Fig.31     | 16.31                 | 17.0                        | 0.195                    | <b>0.23</b>              | 0.566                   | <b>0.66</b>             | 0.10             |
| 5290                         | 58  | Left | Touch         | /          | 17.85                 | 18.0                        | 0.191                    | <b>0.20</b>              | 0.562                   | <b>0.58</b>             | 0.15             |
| 5530                         | 106 | Left | Touch         | /          | 17.94                 | 18.0                        | 0.150                    | <b>0.15</b>              | 0.460                   | <b>0.47</b>             | -0.19            |
| 5610                         | 122 | Left | Touch         | /          | 17.93                 | 18.0                        | 0.128                    | <b>0.13</b>              | 0.387                   | <b>0.39</b>             | 0.10             |
| 5775                         | 155 | Left | Touch         | /          | 17.90                 | 18.0                        | 0.104                    | <b>0.11</b>              | 0.320                   | <b>0.33</b>             | 0.16             |

**Table 14.33: SAR Values (Wi-Fi 802.11ac (80M) - Body)**

| Ambient Temperature: 22.5 °C |     |               |            |                       |                          | Liquid Temperature: 22.0 °C |                          |                         |                         |                  |
|------------------------------|-----|---------------|------------|-----------------------|--------------------------|-----------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |     | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(10g) (W/kg)    | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch. |               |            |                       |                          |                             |                          |                         |                         |                  |
| 5210                         | 42  | Rear          | Fig.32     | 16.31                 | 17.0                     | 0.161                       | <b>0.19</b>              | 0.446                   | <b>0.52</b>             | 0.15             |
| 5290                         | 58  | Rear          | /          | 17.85                 | 18.0                     | 0.143                       | <b>0.15</b>              | 0.426                   | <b>0.44</b>             | -0.12            |
| 5530                         | 106 | Rear          | /          | 17.94                 | 18.0                     | 0.117                       | <b>0.12</b>              | 0.343                   | <b>0.35</b>             | 0.10             |
| 5610                         | 122 | Rear          | /          | 17.93                 | 18.0                     | 0.089                       | <b>0.09</b>              | 0.264                   | <b>0.27</b>             | 0.10             |
| 5775                         | 155 | Rear          | /          | 17.9                  | 18.0                     | 0.134                       | <b>0.14</b>              | 0.498                   | <b>0.51</b>             | 0.00             |

Note1: The distance between the EUT and the phantom bottom is 10mm for ch.155 and 15mm for others.

## 14.2 SAR results for Standard procedure

There is zoom scan measurement to be added for the highest measured SAR in each exposure configuration/band.

**Table 14.34: SAR Values (GSM 850 MHz Band - Head) – AP OFF**

| Ambient Temperature: 22.6 °C |     |       |               |            |                       | Liquid Temperature: 22.1 °C |                          |                          |                         |                         |                  |
|------------------------------|-----|-------|---------------|------------|-----------------------|-----------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |     | Side  | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm)    | Measured SAR(10g) (W/kg) | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch. |       |               |            |                       |                             |                          |                          |                         |                         |                  |
| 824.2                        | 128 | Right | Touch         | Fig.1      | 33.26                 | 34.0                        | 0.467                    | <b>0.55</b>              | 0.607                   | <b>0.72</b>             | -0.06            |

**Table 14.35: SAR Values (GSM 850 MHz Band - Body) – AP OFF**

| Ambient Temperature: 22.6 °C |     |                            |               |            |                       | Liquid Temperature: 22.1 °C |                          |                          |                         |                         |                  |
|------------------------------|-----|----------------------------|---------------|------------|-----------------------|-----------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |     | Mode (number of timeslots) | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm)    | Measured SAR(10g) (W/kg) | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch. |                            |               |            |                       |                             |                          |                          |                         |                         |                  |
| 836.6                        | 190 | GPRS (3)                   | Front         | Fig.2      | 29.63                 | 31.0                        | 0.645                    | <b>0.88</b>              | 0.858                   | <b>1.18</b>             | -0.10            |

Note1: The distance between the EUT and the phantom bottom is 15mm.

**Table 14.36: SAR Values (GSM 850 MHz Band - Body) – AP ON**

| Ambient Temperature: 22.6 °C |     |                            |               |            |                       | Liquid Temperature: 22.1 °C |                          |                          |                         |                         |                  |
|------------------------------|-----|----------------------------|---------------|------------|-----------------------|-----------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |     | Mode (number of timeslots) | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm)    | Measured SAR(10g) (W/kg) | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch. |                            |               |            |                       |                             |                          |                          |                         |                         |                  |
| 836.6                        | 190 | GPRS (4)                   | Rear          | Fig.3      | 22.59                 | 24.0                        | 0.232                    | <b>0.32</b>              | 0.298                   | <b>0.41</b>             | -0.03            |

Note1: The distance between the EUT and the phantom bottom is 10mm.

**Table 14.37: SAR Values (GSM 1900 MHz Band - Head) – AP OFF**

| Ambient Temperature: 22.7 °C |     |      |               |            |                       | Liquid Temperature: 22.2 °C |                          |                          |                         |                         |                  |
|------------------------------|-----|------|---------------|------------|-----------------------|-----------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |     | Side | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm)    | Measured SAR(10g) (W/kg) | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch. |      |               |            |                       |                             |                          |                          |                         |                         |                  |
| 1850.2                       | 512 | Left | Touch         | Fig.4      | 30.99                 | 31.5                        | 0.136                    | <b>0.15</b>              | 0.234                   | <b>0.26</b>             | 0.11             |

**Table 14.38: SAR Values (GSM 1900 MHz Band - Body) – AP OFF**

| Ambient Temperature: 22.7 °C |     |                            |               |            |                       | Liquid Temperature: 22.2 °C |                          |                          |                         |                         |                  |
|------------------------------|-----|----------------------------|---------------|------------|-----------------------|-----------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |     | Mode (number of timeslots) | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm)    | Measured SAR(10g) (W/kg) | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch. |                            |               |            |                       |                             |                          |                          |                         |                         |                  |
| 1909.8                       | 810 | GPRS (4)                   | Rear          | Fig.5      | 25.76                 | 27.0                        | 0.356                    | <b>0.47</b>              | 0.613                   | <b>0.82</b>             | -0.17            |

Note1: The distance between the EUT and the phantom bottom is 15mm.

**Table 14.39: SAR Values (GSM 1900 MHz Band - Body) – AP ON**

| Ambient Temperature: 22.7 °C |     |                            |               |            |                       | Liquid Temperature: 22.2 °C |                          |                          |                         |                         |                  |
|------------------------------|-----|----------------------------|---------------|------------|-----------------------|-----------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |     | Mode (number of timeslots) | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm)    | Measured SAR(10g) (W/kg) | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch. |                            |               |            |                       |                             |                          |                          |                         |                         |                  |
| 1909.8                       | 810 | GPRS (4)                   | Rear          | Fig.6      | 19.81                 | 21.0                        | 0.199                    | <b>0.26</b>              | 0.368                   | <b>0.48</b>             | 0.02             |

Note1: The distance between the EUT and the phantom bottom is 10mm.

**Table 14.40: SAR Values (WCDMA 850 MHz Band - Head) – AP OFF**

| Ambient Temperature: 22.6 °C |      |      |               |            |                       | Liquid Temperature: 22.1 °C |                          |                          |                         |                         |                  |
|------------------------------|------|------|---------------|------------|-----------------------|-----------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |      | Side | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm)    | Measured SAR(10g) (W/kg) | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch.  |      |               |            |                       |                             |                          |                          |                         |                         |                  |
| 836.4                        | 4182 | Left | Touch         | Fig.7      | 24.22                 | 24.5                        | 0.444                    | <b>0.47</b>              | 0.575                   | <b>0.61</b>             | -0.08            |

**Table 14.41: SAR Values (WCDMA 850 MHz Band - Body) – AP OFF**

| Ambient Temperature: 22.6 °C |      |               |            |                       |                          | Liquid Temperature: 22.1 °C |                          |                         |                         |                  |
|------------------------------|------|---------------|------------|-----------------------|--------------------------|-----------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |      | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(10g) (W/kg)    | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch.  |               |            |                       |                          |                             |                          |                         |                         |                  |
| 846.6                        | 4233 | Rear          | Fig.8      | 24.27                 | 24.5                     | 0.582                       | <b>0.61</b>              | 0.754                   | <b>0.80</b>             | 0.14             |

Note1: The distance between the EUT and the phantom bottom is 15mm.

**Table 14.42: SAR Values (WCDMA 850 MHz Band - Body) – AP ON**

| Ambient Temperature: 22.6 °C |      |               |            |                       |                          | Liquid Temperature: 22.1 °C |                          |                         |                         |                  |
|------------------------------|------|---------------|------------|-----------------------|--------------------------|-----------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |      | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(10g) (W/kg)    | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch.  |               |            |                       |                          |                             |                          |                         |                         |                  |
| 836.4                        | 4182 | Rear          | Fig.9      | 18.35                 | 20.0                     | 0.165                       | <b>0.24</b>              | 0.214                   | <b>0.31</b>             | 0.01             |

Note1: The distance between the EUT and the phantom bottom is 10mm.

**Table 14.43: SAR Values (WCDMA 1700 MHz Band - Head) – APP OFF**

| Ambient Temperature: 22.7 °C |      |       |               |            |                       | Liquid Temperature: 22.2 °C |                          |                          |                         |                         |                  |
|------------------------------|------|-------|---------------|------------|-----------------------|-----------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |      | Side  | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm)    | Measured SAR(10g) (W/kg) | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch.  |       |               |            |                       |                             |                          |                          |                         |                         |                  |
| 1752.6                       | 1513 | Right | Touch         | Fig.10     | 24.36                 | 25.0                        | 0.202                    | <b>0.23</b>              | 0.335                   | <b>0.39</b>             | 0.05             |

**Table 14.44: SAR Values (WCDMA 1700 MHz Band - Body) – AP OFF**

| Ambient Temperature: 22.7 °C |      |               |            |                       |                          | Liquid Temperature: 22.2 °C |                          |                         |                         |                  |
|------------------------------|------|---------------|------------|-----------------------|--------------------------|-----------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |      | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(10g) (W/kg)    | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch.  |               |            |                       |                          |                             |                          |                         |                         |                  |
| 846.6                        | 4233 | Bottom        | Fig.11     | 24.36                 | 25.0                     | 0.616                       | <b>0.71</b>              | 1.08                    | <b>1.25</b>             | 0.08             |

Note1: The distance between the EUT and the phantom bottom is 15mm.

**Table 14.45: SAR Values (WCDMA 1700 MHz Band - Body) – AP ON**

| Ambient Temperature: 22.7 °C |      |               |            |                       |                          | Liquid Temperature: 22.2 °C |                          |                         |                         |                  |
|------------------------------|------|---------------|------------|-----------------------|--------------------------|-----------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |      | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(10g) (W/kg)    | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch.  |               |            |                       |                          |                             |                          |                         |                         |                  |
| 846.6                        | 4233 | Front         | Fig.12     | 18.17                 | 19.5                     | 0.251                       | <b>0.34</b>              | 0.464                   | <b>0.63</b>             | 0.06             |

Note1: The distance between the EUT and the phantom bottom is 10mm.

**Table 14.46: SAR Values (WCDMA 1900 MHz Band - Head) – AP OFF**

| Ambient Temperature: 22.7 °C |      |      |               |            |                       | Liquid Temperature: 22.2 °C |                          |                          |                         |                         |                  |
|------------------------------|------|------|---------------|------------|-----------------------|-----------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |      | Side | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm)    | Measured SAR(10g) (W/kg) | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch.  |      |               |            |                       |                             |                          |                          |                         |                         |                  |
| 1880                         | 9400 | Left | Touch         | Fig.13     | 23.76                 | 24.0                        | 0.210                    | <b>0.22</b>              | 0.343                   | <b>0.36</b>             | -0.16            |

**Table 14.47: SAR Values (WCDMA 1900 MHz Band - Body) – AP OFF**

| Ambient Temperature: 22.7 °C |      |                   |               |                             |                             | Liquid Temperature: 22.2 °C    |                                |                               |                               |                        |
|------------------------------|------|-------------------|---------------|-----------------------------|-----------------------------|--------------------------------|--------------------------------|-------------------------------|-------------------------------|------------------------|
| Frequency                    |      | Test<br>Position  | Figure<br>No. | Conducted<br>Power<br>(dBm) | Max. tune-up<br>Power (dBm) | Measured<br>SAR(10g)<br>(W/kg) | Reported<br>SAR(10g)<br>(W/kg) | Measured<br>SAR(1g)<br>(W/kg) | Reported<br>SAR(1g)<br>(W/kg) | Power<br>Drift<br>(dB) |
| MHz                          | Ch.  |                   |               |                             |                             |                                |                                |                               |                               |                        |
| 1907.6                       | 9538 | Bottom<br>Headset | Fig.14        | 23.74                       | 24.0                        | 0.545                          | <b>0.58</b>                    | 0.936                         | <b>0.99</b>                   | 0.01                   |

Note1: The distance between the EUT and the phantom bottom is 15mm. Note2: The type of Headset is MH750c

**Table 14.48: SAR Values (WCDMA 1900 MHz Band - Body) – AP ON**

| Ambient Temperature: 22.7 °C |      |                  |               |                             |                             | Liquid Temperature: 22.2 °C |                      |                     |                     |                |
|------------------------------|------|------------------|---------------|-----------------------------|-----------------------------|-----------------------------|----------------------|---------------------|---------------------|----------------|
| Frequency                    |      | Test<br>Position | Figure<br>No. | Conducted<br>Power<br>(dBm) | Max. tune-up<br>Power (dBm) | Measured<br>SAR(10g)        | Reported<br>SAR(10g) | Measured<br>SAR(1g) | Reported<br>SAR(1g) | Power<br>Drift |
| MHz                          | Ch.  |                  |               |                             |                             | (W/kg)                      | (W/kg)               | (W/kg)              | (W/kg)              |                |
| 1880                         | 9400 | Rear             | Fig.15        | 17.73                       | 19.0                        | 0.247                       | <b>0.33</b>          | 0.451               | <b>0.60</b>         | 0.10           |

Note1: The distance between the EUT and the phantom bottom is 10mm.

**Table 14.49: SAR Values (LTE Band4 - Head) – AP OFF**

| Ambient Temperature: 22.7 °C |       |          |       |               |            | Liquid Temperature: 22.2 °C |                          |                          |                          |                         |                         |                  |
|------------------------------|-------|----------|-------|---------------|------------|-----------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |       | Mode     | Side  | Test Position | Figure No. | Conducted Power (dBm)       | Max. tune-up Power (dBm) | Measured SAR(10g) (W/kg) | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch.   |          |       |               |            |                             |                          |                          |                          |                         |                         |                  |
| 1732.5                       | 20175 | 1RB_High | Right | Touch         | Fig.16     | 23.79                       | 24.0                     | 0.166                    | <b>0.17</b>              | 0.258                   | <b>0.27</b>             | 0.10             |

Note1: The LTE mode is QPSK\_20MHz.

**Table 14.50: SAR Values (LTE Band4 - Body) – AP OFF**

| Ambient Temperature: 22.7 °C |       |          |               |            |                       | Liquid Temperature: 22.2 °C |                          |                          |                         |                         |                  |
|------------------------------|-------|----------|---------------|------------|-----------------------|-----------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |       | Mode     | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm)    | Measured SAR(10g) (W/kg) | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch.   |          |               |            |                       |                             |                          |                          |                         |                         |                  |
| 1745                         | 20300 | 1RB_High | Bottom        | Fig.17     | 23.73                 | 24.0                        | 0.522                    | <b>0.56</b>              | 0.928                   | <b>0.99</b>             | 0.06             |

Note1: The distance between the EUT and the phantom bottom is 15mm.

Note2: The LTE mode is QPSK\_20MHz.

**Table 14.51: SAR Values (LTE Band4 - Body) – AP ON**

| Ambient Temperature: 22.7 °C |       |         |               |            |                       | Liquid Temperature: 22.2 °C |                          |                          |                         |                         |                  |
|------------------------------|-------|---------|---------------|------------|-----------------------|-----------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |       | Mode    | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm)    | Measured SAR(10g) (W/kg) | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch.   |         |               |            |                       |                             |                          |                          |                         |                         |                  |
| 1732.5                       | 20175 | 1RB_Low | Front         | Fig.18     | 18.00                 | 19.0                        | 0.229                    | <b>0.29</b>              | 0.427                   | <b>0.54</b>             | -0.15            |

Note1: The distance between the EUT and the phantom bottom is 10mm.

Note2: The LTE mode is QPSK\_20MHz.

**Table 14.52: SAR Values (LTE Band17 - Head) – AP OFF**

| Ambient Temperature: 22.6 °C |       |         |      |               |            | Liquid Temperature: 22.1 °C |                          |                          |                          |                         |                         |                  |
|------------------------------|-------|---------|------|---------------|------------|-----------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |       | Mode    | Side | Test Position | Figure No. | Conducted Power (dBm)       | Max. tune-up Power (dBm) | Measured SAR(10g) (W/kg) | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch.   |         |      |               |            |                             |                          |                          |                          |                         |                         |                  |
| 709                          | 23780 | 1RB_Mid | Left | Touch         | Fig.19     | 23.87                       | 24.0                     | 0.159                    | <b>0.16</b>              | 0.195                   | <b>0.20</b>             | -0.14            |

Note1: The LTE mode is QPSK\_10MHz.

**Table 14.53: SAR Values (LTE Band17 - Body) – AP OFF**

| Ambient Temperature: 22.6 °C |       |         |               |            |                       | Liquid Temperature: 22.1 °C |                          |                          |                         |                         |                  |
|------------------------------|-------|---------|---------------|------------|-----------------------|-----------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |       | Mode    | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm)    | Measured SAR(10g) (W/kg) | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch.   |         |               |            |                       |                             |                          |                          |                         |                         |                  |
| 709                          | 23780 | 1RB_Mid | Rear          | Fig.20     | 23.87                 | 24.0                        | 0.244                    | <b>0.25</b>              | 0.306                   | <b>0.32</b>             | 0.01             |

Note1: The distance between the EUT and the phantom bottom is 15mm.

Note2: The LTE mode is QPSK\_10MHz.

**Table 14.54: SAR Values (LTE Band17 - Body) – AP ON**

| Ambient Temperature: 22.6 °C |       |         |               |            |                       | Liquid Temperature: 22.1 °C |                          |                          |                         |                         |                  |
|------------------------------|-------|---------|---------------|------------|-----------------------|-----------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |       | Mode    | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm)    | Measured SAR(10g) (W/kg) | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch.   |         |               |            |                       |                             |                          |                          |                         |                         |                  |
| 710                          | 23790 | 1RB_Mid | Rear          | Fig.21     | 21.48                 | 22.0                        | 0.211                    | <b>0.24</b>              | 0.269                   | <b>0.30</b>             | 0.03             |

Note1: The distance between the EUT and the phantom bottom is 10mm.

Note2: The LTE mode is QPSK\_10MHz.

**Table 14.55: SAR Values (Wi-Fi 802.11b - Head) – AP OFF**

| Ambient Temperature: 22.6 °C |     |      |               |            |                       | Liquid Temperature: 22.1 °C |                          |                          |                         |                         |                  |
|------------------------------|-----|------|---------------|------------|-----------------------|-----------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |     | Side | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm)    | Measured SAR(10g) (W/kg) | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch. |      |               |            |                       |                             |                          |                          |                         |                         |                  |
| 2437                         | 6   | Left | Touch         | Fig.22     | 19.50                 | 20.0                        | 0.303                    | <b>0.34</b>              | 0.614                   | <b>0.69</b>             | -0.17            |

**Table 14.56: SAR Values (Wi-Fi 802.11b - Body) – AP OFF**

| Ambient Temperature: 22.6 °C |     |               |            |                       |                          | Liquid Temperature: 22.1 °C |                          |                         |                         |                  |
|------------------------------|-----|---------------|------------|-----------------------|--------------------------|-----------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |     | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(10g) (W/kg)    | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch. |               |            |                       |                          |                             |                          |                         |                         |                  |
| 2412                         | 1   | Rear          | Fig.23     | 19.04                 | 20.0                     | 0.186                       | <b>0.23</b>              | 0.358                   | <b>0.45</b>             | -0.05            |

Note1: The distance between the EUT and the phantom bottom is 15mm.

**Table 14.57: SAR Values (Wi-Fi 802.11b - Body) – AP ON**

| Ambient Temperature: 22.6 °C |     |               |            |                       |                          | Liquid Temperature: 22.1 °C |                          |                         |                         |                  |
|------------------------------|-----|---------------|------------|-----------------------|--------------------------|-----------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |     | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(10g) (W/kg)    | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch. |               |            |                       |                          |                             |                          |                         |                         |                  |
| 2437                         | 6   | Rear          | Fig.24     | 15.52                 | 16.0                     | 0.210                       | <b>0.23</b>              | 0.458                   | <b>0.51</b>             | 0.14             |

Note1: The distance between the EUT and the phantom bottom is 10mm.

**Table 14.58: SAR Values (Wi-Fi 802.11a - Head)**

| Ambient Temperature: 22.5 °C |     |      |               |            |                       | Liquid Temperature: 22.0 °C |                          |                          |                         |                         |                  |
|------------------------------|-----|------|---------------|------------|-----------------------|-----------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |     | Side | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm)    | Measured SAR(10g) (W/kg) | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch. |      |               |            |                       |                             |                          |                          |                         |                         |                  |
| 5300                         | 60  | Left | Touch         | Fig.25     | 17.62                 | 18.0                        | 0.172                    | <b>0.19</b>              | 0.492                   | <b>0.54</b>             | 0.18             |

**Table 14.59: SAR Values (Wi-Fi 802.11a - Body)**

| Ambient Temperature: 22.5 °C |     |               |            |                       |                          | Liquid Temperature: 22.0 °C |                          |                         |                         |                  |
|------------------------------|-----|---------------|------------|-----------------------|--------------------------|-----------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |     | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(10g) (W/kg)    | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch. |               |            |                       |                          |                             |                          |                         |                         |                  |
| 5220                         | 44  | Rear          | Fig.26     | 16.83                 | 17.0                     | 0.183                       | <b>0.19</b>              | 0.503                   | <b>0.52</b>             | 0.12             |
| 5745                         | 149 | Rear          | Fig.26-2   | 17.79                 | 18.0                     | 0.138                       | <b>0.14</b>              | 0.579                   | <b>0.61</b>             | 0.10             |

Note1: The distance between the EUT and the phantom bottom is 10mm for ch.149 and 15mm for others.

**Table 14.60: SAR Values (Wi-Fi 802.11n (20M) - Head)**

| Ambient Temperature: 22.5 °C      Liquid Temperature: 22.0 °C |     |      |               |            |                       |                          |                          |                          |                         |                         |                  |
|---------------------------------------------------------------|-----|------|---------------|------------|-----------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                                                     |     | Side | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(10g) (W/kg) | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                                                           | Ch. |      |               |            |                       |                          |                          |                          |                         |                         |                  |
| 5300                                                          | 60  | Left | Touch         | Fig.27     | 18.12                 | 18.5                     | 0.200                    | <b>0.22</b>              | 0.601                   | <b>0.66</b>             | 0.16             |

**Table 14.61: SAR Values (Wi-Fi 802.11n (20M) - Body)**

| Ambient Temperature: 22.5 °C |     |               |            |                       |                          | Liquid Temperature: 22.0 °C |                          |                         |                         |                  |
|------------------------------|-----|---------------|------------|-----------------------|--------------------------|-----------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |     | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(10g) (W/kg)    | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch. |               |            |                       |                          |                             |                          |                         |                         |                  |
| 5300                         | 60  | Rear          | Fig.28     | 18.12                 | 18.5                     | 0.123                       | <b>0.13</b>              | 0.324                   | <b>0.35</b>             | 0.09             |

Note1: The distance between the EUT and the phantom bottom is 15mm.

**Table 14.62: SAR Values (Wi-Fi 802.11n (40M) - Head)**

| Ambient Temperature: 22.5 °C |     |      |               |            |                       | Liquid Temperature: 22.0 °C |                          |                          |                         |                         |                  |
|------------------------------|-----|------|---------------|------------|-----------------------|-----------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |     | Side | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm)    | Measured SAR(10g) (W/kg) | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch. |      |               |            |                       |                             |                          |                          |                         |                         |                  |
| 5310                         | 62  | Left | Touch         | Fig.29     | 17.98                 | 18.0                        | 0.194                    | <b>0.19</b>              | 0.549                   | <b>0.55</b>             | 0.02             |

**Table 14.63: SAR Values (Wi-Fi 802.11n (40M) - Body)**

| Ambient Temperature: 22.5 °C |     |               |            |                       |                          | Liquid Temperature: 22.0 °C |                          |                         |                         |                  |
|------------------------------|-----|---------------|------------|-----------------------|--------------------------|-----------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |     | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(10g) (W/kg)    | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch. |               |            |                       |                          |                             |                          |                         |                         |                  |
| 5310                         | 62  | Rear          | Fig.30     | 17.98                 | 18.0                     | 0.175                       | <b>0.18</b>              | 0.492                   | <b>0.49</b>             | 0.01             |

Note1: The distance between the EUT and the phantom bottom is 15mm.

**Table 14.64: SAR Values (Wi-Fi 802.11ac (80M) - Head)**

| Ambient Temperature: 22.5 °C |     |      |               |            |                       | Liquid Temperature: 22.0 °C |                          |                          |                         |                         |                  |
|------------------------------|-----|------|---------------|------------|-----------------------|-----------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |     | Side | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm)    | Measured SAR(10g) (W/kg) | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch. |      |               |            |                       |                             |                          |                          |                         |                         |                  |
| 5210                         | 42  | Left | Touch         | Fig.31     | 16.31                 | 17.0                        | 0.195                    | <b>0.23</b>              | 0.566                   | <b>0.66</b>             | 0.10             |

**Table 14.65: SAR Values (Wi-Fi 802.11ac (80M) - Body)**

| Ambient Temperature: 22.5 °C |     |               |            |                       |                          | Liquid Temperature: 22.0 °C |                          |                         |                         |                  |
|------------------------------|-----|---------------|------------|-----------------------|--------------------------|-----------------------------|--------------------------|-------------------------|-------------------------|------------------|
| Frequency                    |     | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(10g) (W/kg)    | Reported SAR(10g) (W/kg) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift (dB) |
| MHz                          | Ch. |               |            |                       |                          |                             |                          |                         |                         |                  |
| 5210                         | 42  | Rear          | Fig.32     | 16.31                 | 17.0                     | 0.161                       | <b>0.19</b>              | 0.446                   | <b>0.52</b>             | 0.15             |

Note1: The distance between the EUT and the phantom bottom is 15mm.

## 15 SAR Measurement Variability

SAR measurement variability must be assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media are required for SAR measurements in a frequency band, the variability measurement procedures should be applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium.

The following procedures are applied to determine if repeated measurements are required.

- 1) Repeated measurement is not required when the original highest measured SAR is  $< 0.80$  W/kg; steps 2) through 4) do not apply.
- 2) When the original highest measured SAR is  $\geq 0.80$  W/kg, repeat that measurement once.
- 3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is  $> 1.20$  or when the original or repeated measurement is  $\geq 1.45$  W/kg (~ 10% from the 1-g SAR limit).
- 4) Perform a third repeated measurement only if the original, first or second repeated measurement is  $\geq 1.5$  W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is  $> 1.20$ .

**Table 15.1: SAR Measurement Variability for Body GSM 850 (1g) – AP OFF**

| Frequency |     | Test Position | Spacing (mm) | Original SAR (W/kg) | First Repeated SAR (W/kg) | The Ratio | Second Repeated SAR (W/kg) |
|-----------|-----|---------------|--------------|---------------------|---------------------------|-----------|----------------------------|
| MHz       | Ch. |               |              |                     |                           |           |                            |
| 836.6     | 190 | Front         | 15           | 0.858               | 0.851                     | 1.01      | /                          |

**Table 15.2: SAR Measurement Variability for Body WCDMA 1700 (1g) – AP OFF**

| Frequency |      | Test Position | Spacing (mm) | Original SAR (W/kg) | First Repeated SAR (W/kg) | The Ratio | Second Repeated SAR (W/kg) |
|-----------|------|---------------|--------------|---------------------|---------------------------|-----------|----------------------------|
| MHz       | Ch.  |               |              |                     |                           |           |                            |
| 846.6     | 4233 | Bottom        | 15           | 1.08                | 1.06                      | 1.02      | /                          |

**Table 15.3: SAR Measurement Variability for Body WCDMA 1900 (1g) – AP OFF**

| Frequency |      | Test Position  | Spacing (mm) | Original SAR (W/kg) | First Repeated SAR (W/kg) | The Ratio | Second Repeated SAR (W/kg) |
|-----------|------|----------------|--------------|---------------------|---------------------------|-----------|----------------------------|
| MHz       | Ch.  |                |              |                     |                           |           |                            |
| 1907.6    | 9538 | Bottom Headset | 15           | 0.936               | 0.933                     | 1.00      | /                          |

**Table 15.4: SAR Measurement Variability for Body LTE Band4 (1g) – AP OFF**

| Frequency |       | Mode     | Test Position | Spacing (mm) | Original SAR (W/kg) | First Repeated SAR (W/kg) | The Ratio | Second Repeated SAR (W/kg) |
|-----------|-------|----------|---------------|--------------|---------------------|---------------------------|-----------|----------------------------|
| MHz       | Ch.   |          |               |              |                     |                           |           |                            |
| 1745      | 20300 | 1RB_High | Bottom        | 15           | 0.928               | 0.923                     | 1.01      | /                          |

## 16 Measurement Uncertainty

### 16.1 Measurement Uncertainty for Normal SAR Tests (300MHz~3GHz)

| No.                        | Error Description                               | Type | Uncertainty value | Probably Distribution | Div.       | (Ci) 1g | (Ci) 10g | Std. Unc. (1g) | Std. Unc. (10g) | Degree of freedom |
|----------------------------|-------------------------------------------------|------|-------------------|-----------------------|------------|---------|----------|----------------|-----------------|-------------------|
| <b>Measurement system</b>  |                                                 |      |                   |                       |            |         |          |                |                 |                   |
| 1                          | Probe calibration                               | B    | 5.5               | N                     | 1          | 1       | 1        | 5.5            | 5.5             | $\infty$          |
| 2                          | Isotropy                                        | B    | 4.7               | R                     | $\sqrt{3}$ | 0.7     | 0.7      | 1.9            | 1.9             | $\infty$          |
| 3                          | Boundary effect                                 | B    | 1.0               | R                     | $\sqrt{3}$ | 1       | 1        | 0.6            | 0.6             | $\infty$          |
| 4                          | Linearity                                       | B    | 4.7               | R                     | $\sqrt{3}$ | 1       | 1        | 2.7            | 2.7             | $\infty$          |
| 5                          | Detection limit                                 | B    | 1.0               | R                     | $\sqrt{3}$ | 1       | 1        | 0.6            | 0.6             | $\infty$          |
| 6                          | Readout electronics                             | B    | 0.3               | R                     | $\sqrt{3}$ | 1       | 1        | 0.3            | 0.3             | $\infty$          |
| 7                          | Response time                                   | B    | 0.8               | R                     | $\sqrt{3}$ | 1       | 1        | 0.5            | 0.5             | $\infty$          |
| 8                          | Integration time                                | B    | 2.6               | R                     | $\sqrt{3}$ | 1       | 1        | 1.5            | 1.5             | $\infty$          |
| 9                          | RF ambient conditions-noise                     | B    | 0                 | R                     | $\sqrt{3}$ | 1       | 1        | 0              | 0               | $\infty$          |
| 10                         | RF ambient conditions-reflection                | B    | 0                 | R                     | $\sqrt{3}$ | 1       | 1        | 0              | 0               | $\infty$          |
| 11                         | Probe positioned mech. restrictions             | B    | 0.4               | R                     | $\sqrt{3}$ | 1       | 1        | 0.2            | 0.2             | $\infty$          |
| 12                         | Probe positioning with respect to phantom shell | B    | 2.9               | R                     | $\sqrt{3}$ | 1       | 1        | 1.7            | 1.7             | $\infty$          |
| 13                         | Post-processing                                 | B    | 1.0               | R                     | $\sqrt{3}$ | 1       | 1        | 0.6            | 0.6             | $\infty$          |
| <b>Test sample related</b> |                                                 |      |                   |                       |            |         |          |                |                 |                   |
| 14                         | Test sample positioning                         | A    | 3.3               | N                     | 1          | 1       | 1        | 3.3            | 3.3             | 71                |
| 15                         | Device holder uncertainty                       | A    | 3.4               | N                     | 1          | 1       | 1        | 3.4            | 3.4             | 5                 |
| 16                         | Drift of output power                           | B    | 5.0               | R                     | $\sqrt{3}$ | 1       | 1        | 2.9            | 2.9             | $\infty$          |
| <b>Phantom and set-up</b>  |                                                 |      |                   |                       |            |         |          |                |                 |                   |
| 17                         | Phantom uncertainty                             | B    | 4.0               | R                     | $\sqrt{3}$ | 1       | 1        | 2.3            | 2.3             | $\infty$          |
| 18                         | Liquid conductivity (target)                    | B    | 5.0               | R                     | $\sqrt{3}$ | 0.64    | 0.43     | 1.8            | 1.2             | $\infty$          |
| 19                         | Liquid conductivity (meas.)                     | A    | 2.06              | N                     | 1          | 0.64    | 0.43     | 1.32           | 0.89            | 43                |
| 20                         | Liquid permittivity (target)                    | B    | 5.0               | R                     | $\sqrt{3}$ | 0.6     | 0.49     | 1.7            | 1.4             | $\infty$          |
| 21                         | Liquid permittivity (meas.)                     | A    | 1.6               | N                     | 1          | 0.6     | 0.49     | 1.0            | 0.8             | 521               |

|                                                    |                                             |  |  |  |  |      |      |     |
|----------------------------------------------------|---------------------------------------------|--|--|--|--|------|------|-----|
| Combined standard uncertainty                      | $u_c' = \sqrt{\sum_{i=1}^{21} c_i^2 u_i^2}$ |  |  |  |  | 9.25 | 9.12 | 257 |
| Expanded uncertainty (confidence interval of 95 %) | $u_e = 2u_c$                                |  |  |  |  | 18.5 | 18.2 |     |

### 16.2 Measurement Uncertainty for Normal SAR Tests (3~6GHz)

| No.                        | Error Description                               | Type | Uncertainty value | Probably Distribution | Div.       | (Ci) 1g | (Ci) 10g | Std. Unc. (1g) | Std. Unc. (10g) | Degree of freedom |
|----------------------------|-------------------------------------------------|------|-------------------|-----------------------|------------|---------|----------|----------------|-----------------|-------------------|
| <b>Measurement system</b>  |                                                 |      |                   |                       |            |         |          |                |                 |                   |
| 1                          | Probe calibration                               | B    | 6.5               | N                     | 1          | 1       | 1        | 6.5            | 6.5             | $\infty$          |
| 2                          | Isotropy                                        | B    | 4.7               | R                     | $\sqrt{3}$ | 0.7     | 0.7      | 1.9            | 1.9             | $\infty$          |
| 3                          | Boundary effect                                 | B    | 2.0               | R                     | $\sqrt{3}$ | 1       | 1        | 1.2            | 1.2             | $\infty$          |
| 4                          | Linearity                                       | B    | 4.7               | R                     | $\sqrt{3}$ | 1       | 1        | 2.7            | 2.7             | $\infty$          |
| 5                          | Detection limit                                 | B    | 1.0               | R                     | $\sqrt{3}$ | 1       | 1        | 0.6            | 0.6             | $\infty$          |
| 6                          | Readout electronics                             | B    | 0.3               | R                     | $\sqrt{3}$ | 1       | 1        | 0.3            | 0.3             | $\infty$          |
| 7                          | Response time                                   | B    | 0.8               | R                     | $\sqrt{3}$ | 1       | 1        | 0.5            | 0.5             | $\infty$          |
| 8                          | Integration time                                | B    | 2.6               | R                     | $\sqrt{3}$ | 1       | 1        | 1.5            | 1.5             | $\infty$          |
| 9                          | RF ambient conditions-noise                     | B    | 0                 | R                     | $\sqrt{3}$ | 1       | 1        | 0              | 0               | $\infty$          |
| 10                         | RF ambient conditions-reflection                | B    | 0                 | R                     | $\sqrt{3}$ | 1       | 1        | 0              | 0               | $\infty$          |
| 11                         | Probe positioned mech. restrictions             | B    | 0.8               | R                     | $\sqrt{3}$ | 1       | 1        | 0.5            | 0.5             | $\infty$          |
| 12                         | Probe positioning with respect to phantom shell | B    | 6.7               | R                     | $\sqrt{3}$ | 1       | 1        | 3.9            | 3.9             | $\infty$          |
| 13                         | Post-processing                                 | B    | 4.0               | R                     | $\sqrt{3}$ | 1       | 1        | 2.3            | 2.3             | $\infty$          |
| <b>Test sample related</b> |                                                 |      |                   |                       |            |         |          |                |                 |                   |
| 14                         | Test sample positioning                         | A    | 3.3               | N                     | 1          | 1       | 1        | 3.3            | 3.3             | 71                |
| 15                         | Device holder uncertainty                       | A    | 3.4               | N                     | 1          | 1       | 1        | 3.4            | 3.4             | 5                 |
| 16                         | Drift of output power                           | B    | 5.0               | R                     | $\sqrt{3}$ | 1       | 1        | 2.9            | 2.9             | $\infty$          |
| <b>Phantom and set-up</b>  |                                                 |      |                   |                       |            |         |          |                |                 |                   |
| 17                         | Phantom uncertainty                             | B    | 4.0               | R                     | $\sqrt{3}$ | 1       | 1        | 2.3            | 2.3             | $\infty$          |
| 18                         | Liquid conductivity (target)                    | B    | 5.0               | R                     | $\sqrt{3}$ | 0.64    | 0.43     | 1.8            | 1.2             | $\infty$          |
| 19                         | Liquid conductivity (meas.)                     | A    | 2.06              | N                     | 1          | 0.64    | 0.43     | 1.32           | 0.89            | 43                |



|                                                    |                              |                                            |      |   |            |      |      |      |      |          |
|----------------------------------------------------|------------------------------|--------------------------------------------|------|---|------------|------|------|------|------|----------|
| 18                                                 | Phantom uncertainty          | B                                          | 4.0  | R | $\sqrt{3}$ | 1    | 1    | 2.3  | 2.3  | $\infty$ |
| 19                                                 | Liquid conductivity (target) | B                                          | 5.0  | R | $\sqrt{3}$ | 0.64 | 0.43 | 1.8  | 1.2  | $\infty$ |
| 20                                                 | Liquid conductivity (meas.)  | A                                          | 2.06 | N | 1          | 0.64 | 0.43 | 1.32 | 0.89 | 43       |
| 21                                                 | Liquid permittivity (target) | B                                          | 5.0  | R | $\sqrt{3}$ | 0.6  | 0.49 | 1.7  | 1.4  | $\infty$ |
| 22                                                 | Liquid permittivity (meas.)  | A                                          | 1.6  | N | 1          | 0.6  | 0.49 | 1.0  | 0.8  | 521      |
| Combined standard uncertainty                      |                              | $u_c = \sqrt{\sum_{i=1}^{22} c_i^2 u_i^2}$ |      |   |            |      |      | 10.1 | 9.95 | 257      |
| Expanded uncertainty (confidence interval of 95 %) |                              | $u_e = 2u_c$                               |      |   |            |      |      | 20.2 | 19.9 |          |

#### 16.4 Measurement Uncertainty for Fast SAR Tests (3~6GHz)

| No.                        | Error Description                               | Type | Uncertainty value | Probably Distribution | Div.       | (Ci) 1g | (Ci) 10g | Std. Unc. (1g) | Std. Unc. (10g) | Degree of freedom |
|----------------------------|-------------------------------------------------|------|-------------------|-----------------------|------------|---------|----------|----------------|-----------------|-------------------|
| <b>Measurement system</b>  |                                                 |      |                   |                       |            |         |          |                |                 |                   |
| 1                          | Probe calibration                               | B    | 6.5               | N                     | 1          | 1       | 1        | 6.5            | 6.5             | $\infty$          |
| 2                          | Isotropy                                        | B    | 4.7               | R                     | $\sqrt{3}$ | 0.7     | 0.7      | 1.9            | 1.9             | $\infty$          |
| 3                          | Boundary effect                                 | B    | 2.0               | R                     | $\sqrt{3}$ | 1       | 1        | 1.2            | 1.2             | $\infty$          |
| 4                          | Linearity                                       | B    | 4.7               | R                     | $\sqrt{3}$ | 1       | 1        | 2.7            | 2.7             | $\infty$          |
| 5                          | Detection limit                                 | B    | 1.0               | R                     | $\sqrt{3}$ | 1       | 1        | 0.6            | 0.6             | $\infty$          |
| 6                          | Readout electronics                             | B    | 0.3               | R                     | $\sqrt{3}$ | 1       | 1        | 0.3            | 0.3             | $\infty$          |
| 7                          | Response time                                   | B    | 0.8               | R                     | $\sqrt{3}$ | 1       | 1        | 0.5            | 0.5             | $\infty$          |
| 8                          | Integration time                                | B    | 2.6               | R                     | $\sqrt{3}$ | 1       | 1        | 1.5            | 1.5             | $\infty$          |
| 9                          | RF ambient conditions-noise                     | B    | 0                 | R                     | $\sqrt{3}$ | 1       | 1        | 0              | 0               | $\infty$          |
| 10                         | RF ambient conditions-reflection                | B    | 0                 | R                     | $\sqrt{3}$ | 1       | 1        | 0              | 0               | $\infty$          |
| 11                         | Probe positioned mech. Restrictions             | B    | 0.8               | R                     | $\sqrt{3}$ | 1       | 1        | 0.5            | 0.5             | $\infty$          |
| 12                         | Probe positioning with respect to phantom shell | B    | 6.7               | R                     | $\sqrt{3}$ | 1       | 1        | 3.9            | 3.9             | $\infty$          |
| 13                         | Post-processing                                 | B    | 1.0               | R                     | $\sqrt{3}$ | 1       | 1        | 0.6            | 0.6             | $\infty$          |
| 14                         | Fast SAR z-Approximation                        | B    | 14.0              | R                     | $\sqrt{3}$ | 1       | 1        | 8.1            | 8.1             | $\infty$          |
| <b>Test sample related</b> |                                                 |      |                   |                       |            |         |          |                |                 |                   |
| 15                         | Test sample                                     | A    | 3.3               | N                     | 1          | 1       | 1        | 3.3            | 3.3             | 71                |

|                                                    |                              |                                             |      |   |            |      |      |      |      |          |
|----------------------------------------------------|------------------------------|---------------------------------------------|------|---|------------|------|------|------|------|----------|
|                                                    | positioning                  |                                             |      |   |            |      |      |      |      |          |
| 16                                                 | Device holder uncertainty    | A                                           | 3.4  | N | 1          | 1    | 1    | 3.4  | 3.4  | 5        |
| 17                                                 | Drift of output power        | B                                           | 5.0  | R | $\sqrt{3}$ | 1    | 1    | 2.9  | 2.9  | $\infty$ |
| <b>Phantom and set-up</b>                          |                              |                                             |      |   |            |      |      |      |      |          |
| 18                                                 | Phantom uncertainty          | B                                           | 4.0  | R | $\sqrt{3}$ | 1    | 1    | 2.3  | 2.3  | $\infty$ |
| 19                                                 | Liquid conductivity (target) | B                                           | 5.0  | R | $\sqrt{3}$ | 0.64 | 0.43 | 1.8  | 1.2  | $\infty$ |
| 20                                                 | Liquid conductivity (meas.)  | A                                           | 2.06 | N | 1          | 0.64 | 0.43 | 1.32 | 0.89 | 43       |
| 21                                                 | Liquid permittivity (target) | B                                           | 5.0  | R | $\sqrt{3}$ | 0.6  | 0.49 | 1.7  | 1.4  | $\infty$ |
| 22                                                 | Liquid permittivity (meas.)  | A                                           | 1.6  | N | 1          | 0.6  | 0.49 | 1.0  | 0.8  | 521      |
| Combined standard uncertainty                      |                              | $u_c' = \sqrt{\sum_{i=1}^{22} c_i^2 u_i^2}$ |      |   |            |      |      | 13.3 | 13.2 | 257      |
| Expanded uncertainty (confidence interval of 95 %) |                              | $u_e = 2u_c$                                |      |   |            |      |      | 26.6 | 26.4 |          |

## 17 MAIN TEST INSTRUMENTS

**Table 17.1: List of Main Instruments**

| No. | Name                  | Type          | Serial Number | Calibration Date         | Valid Period |
|-----|-----------------------|---------------|---------------|--------------------------|--------------|
| 01  | Network analyzer      | E5071C        | MY46110673    | February 15, 2014        | One year     |
| 02  | Power meter           | NRVD          | 102083        | September 11, 2013       | One year     |
| 03  | Power sensor          | NRV-Z5        | 100542        |                          |              |
| 04  | Signal Generator      | E4438C        | MY49070393    | November 08, 2013        | One Year     |
| 05  | Amplifier             | 60S1G4        | 0331848       | No Calibration Requested |              |
| 06  | BTS                   | E5515C        | MY50263375    | January 30, 2013         | One year     |
| 07  | BTS                   | CMW500        | 129942        | March 12, 2013           | One year     |
| 08  | E-field Probe         | SPEAG EX3DV4  | 3846          | December 20, 2012        | One year     |
| 09  | E-field Probe         | SPEAG EX3DV4  | 3846          | September 03, 2013       | One year     |
| 10  | DAE                   | SPEAG DAE4    | 771           | November 12, 2013        | One year     |
| 11  | Dipole Validation Kit | SPEAG D750V3  | 1017          | August 29, 2013          | One year     |
| 12  | Dipole Validation Kit | SPEAG D835V2  | 443           | August 29, 2013          | One year     |
| 13  | Dipole Validation Kit | SPEAG D1750V2 | 1003          | September 03, 2013       | One year     |
| 14  | Dipole Validation Kit | SPEAG D1900V2 | 5d101         | July 09, 2013            | One year     |
| 15  | Dipole Validation Kit | SPEAG D2450V2 | 853           | July 08, 2013            | One year     |
| 16  | Dipole Validation Kit | SPEAG D5GHzV2 | 1060          | July 03, 2013            | One year     |

\*\*\*END OF REPORT BODY\*\*\*

## ANNEX A Graph Results

### 850 Right Cheek Low

Date: 2013-9-15

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used:  $f = 825 \text{ MHz}$ ;  $\sigma = 0.906 \text{ mho/m}$ ;  $\epsilon_r = 41.001$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature:  $22.6^\circ\text{C}$  Liquid Temperature:  $22.1^\circ\text{C}$

Communication System: GSM 850 Frequency:  $824.2 \text{ MHz}$  Duty Cycle: 1:8.3

Probe: EX3DV4 - SN3846 ConvF(9.18, 9.18, 9.18)

**Cheek Low/Area Scan (61x111x1):** Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$   
Maximum value of SAR (interpolated) =  $0.646 \text{ W/kg}$

**Cheek Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $5.868 \text{ V/m}$ ; Power Drift =  $-0.06 \text{ dB}$

Peak SAR (extrapolated) =  $0.760 \text{ W/kg}$

**SAR(1 g) =  $0.607 \text{ W/kg}$ ; SAR(10 g) =  $0.467 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.636 \text{ W/kg}$

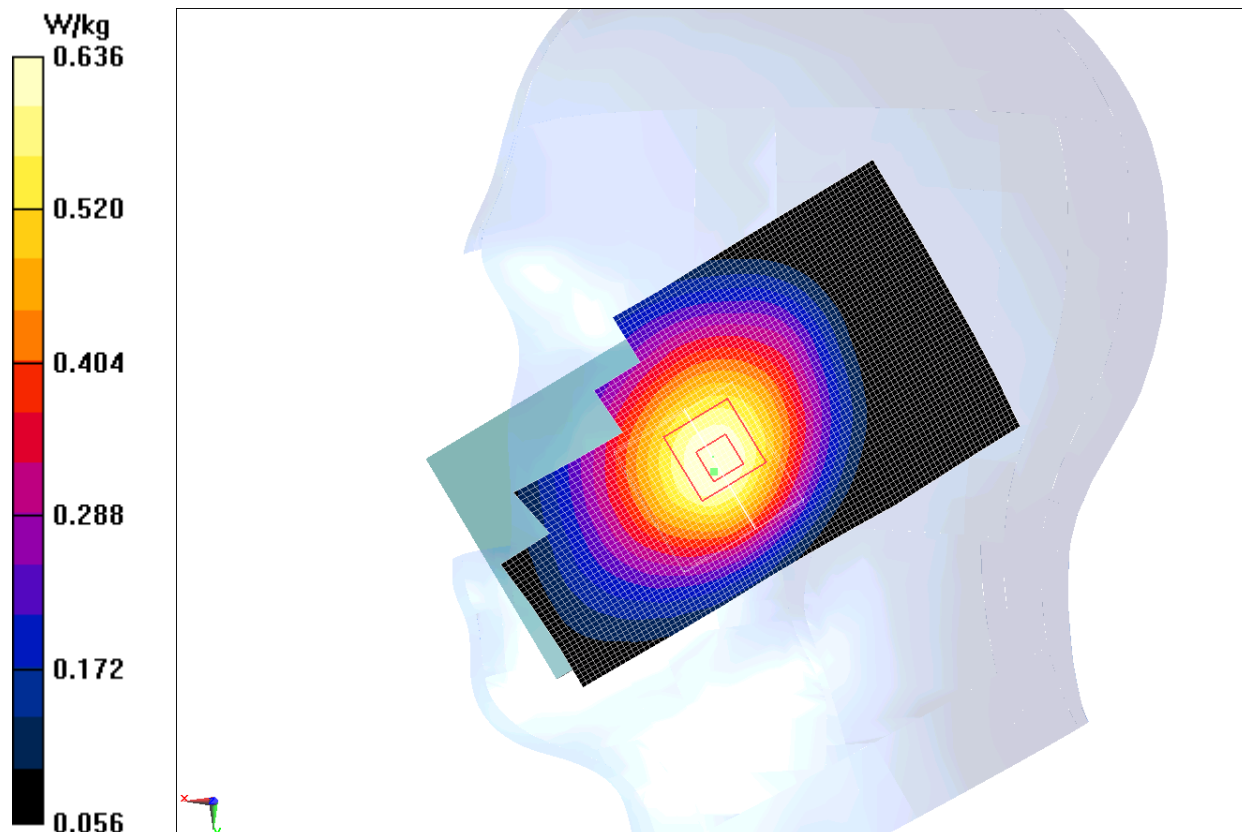
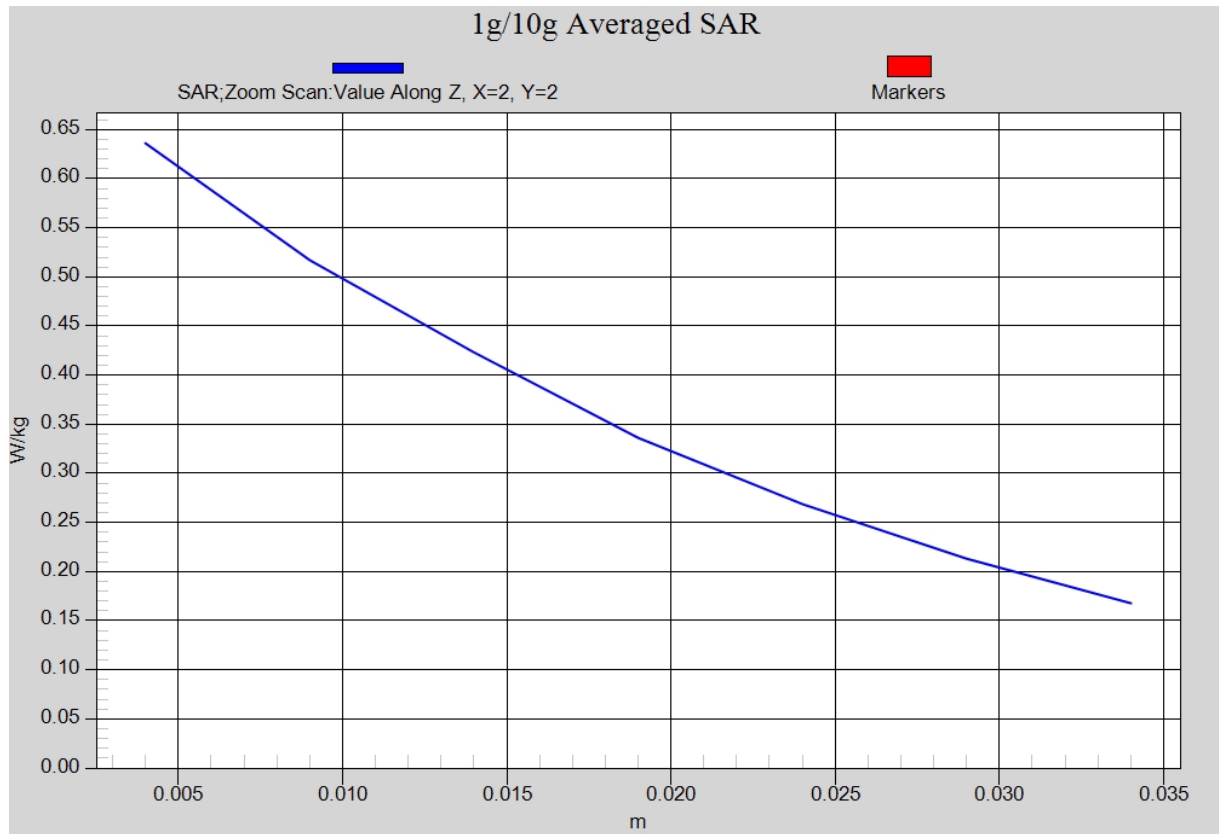


Fig.1 850MHz CH128



**Fig. 1-1 Z-Scan at power reference point (850 MHz CH128)**

## 850 Body Front Middle – AP OFF

Date: 2013-9-15

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.985$  mho/m;  $\epsilon_r = 54.599$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

Communication System: GSM 850 GPRS Frequency: 836.6 MHz Duty Cycle: 1:2.67

Probe: EX3DV4 - SN3846 ConvF(9.04, 9.04, 9.04)

**Front Middle/Area Scan (61x111x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.896 W/kg

**Front Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.720 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.08 W/kg

**SAR(1 g) = 0.858 W/kg; SAR(10 g) = 0.645 W/kg**

Maximum value of SAR (measured) = 0.863 W/kg

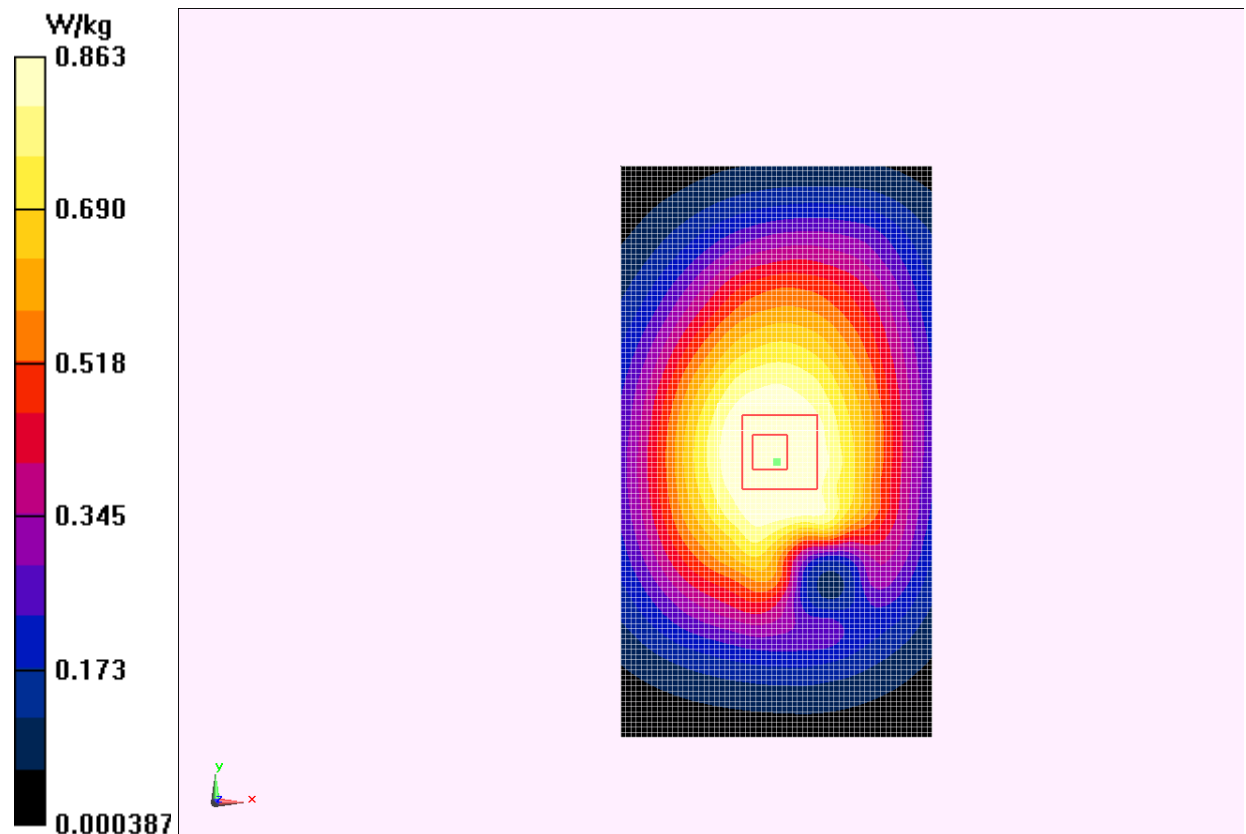
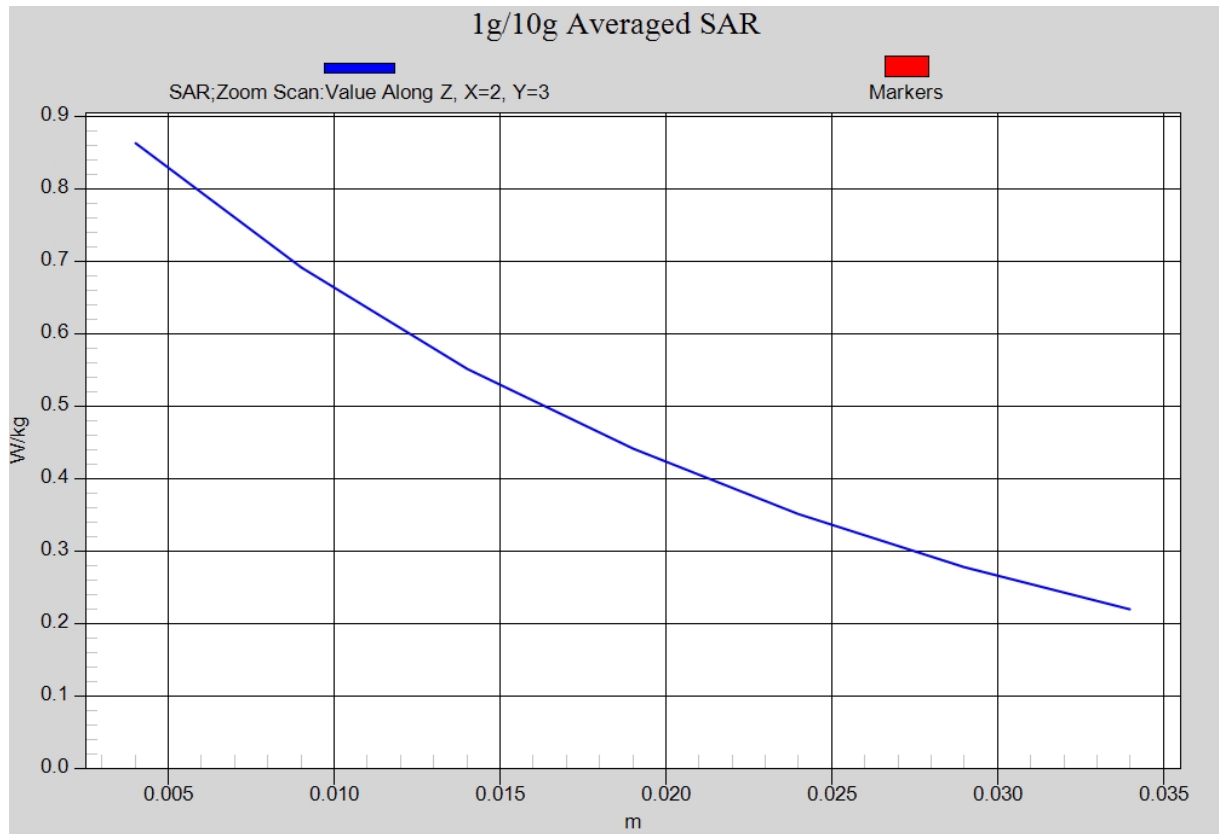


Fig.2 850 MHz CH190



**Fig. 2-1 Z-Scan at power reference point (850 MHz CH190)**

### 850 Body Rear Middle – AP ON

Date: 2013-9-15

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.985$  mho/m;  $\epsilon_r = 54.599$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

Communication System: GSM 850 GPRS Frequency: 836.6 MHz Duty Cycle: 1:2

Probe: EX3DV4 - SN3846 ConvF(9.04, 9.04, 9.04)

**Rear Middle/Area Scan (61x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.345 W/kg

**Rear Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.981 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.375 W/kg

**SAR(1 g) = 0.298 W/kg; SAR(10 g) = 0.232 W/kg**

Maximum value of SAR (measured) = 0.341 W/kg

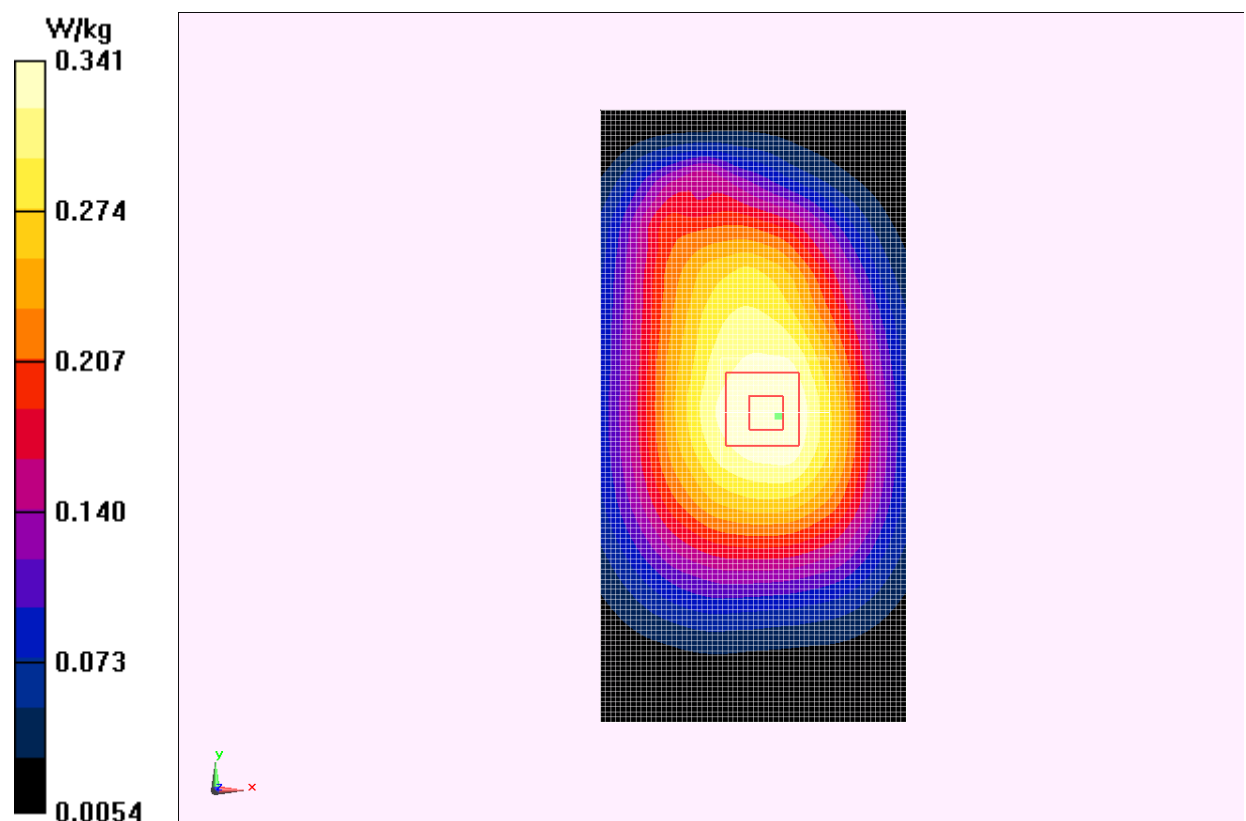
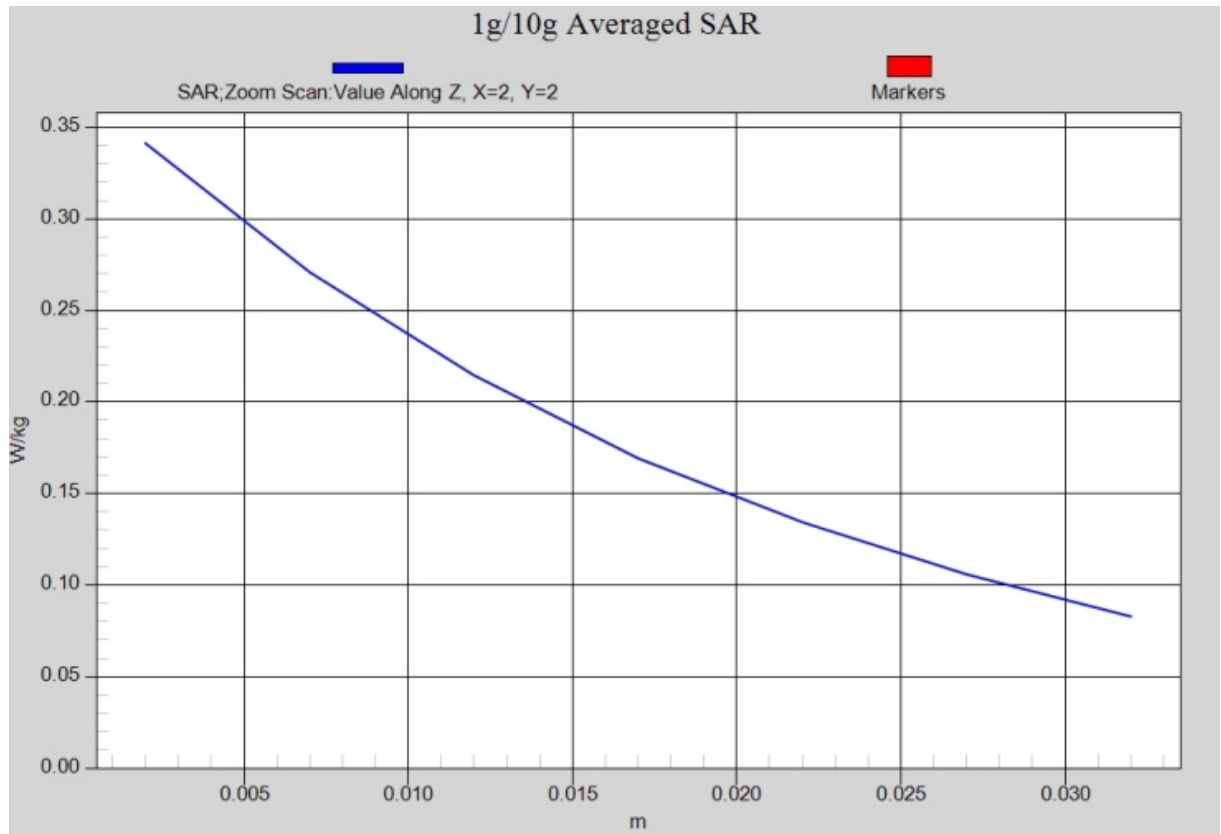


Fig.3 850 MHz CH190



**Fig. 3-1 Z-Scan at power reference point (850 MHz CH190)**

### 1900 Left Cheek Low

Date: 2013-9-16

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.386$  mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.7°C Liquid Temperature: 22.2°C

Communication System: GSM 1900MHz Frequency: 1850.2 MHz Duty Cycle: 1:8.3

Probe: EX3DV4 - SN3846 ConvF(8.01, 8.01, 8.01)

**Cheek Low/Area Scan (61x111x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.264 W/kg

**Cheek Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.351 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.318 W/kg

**SAR(1 g) = 0.234 W/kg; SAR(10 g) = 0.136 W/kg**

Maximum value of SAR (measured) = 0.253 W/kg

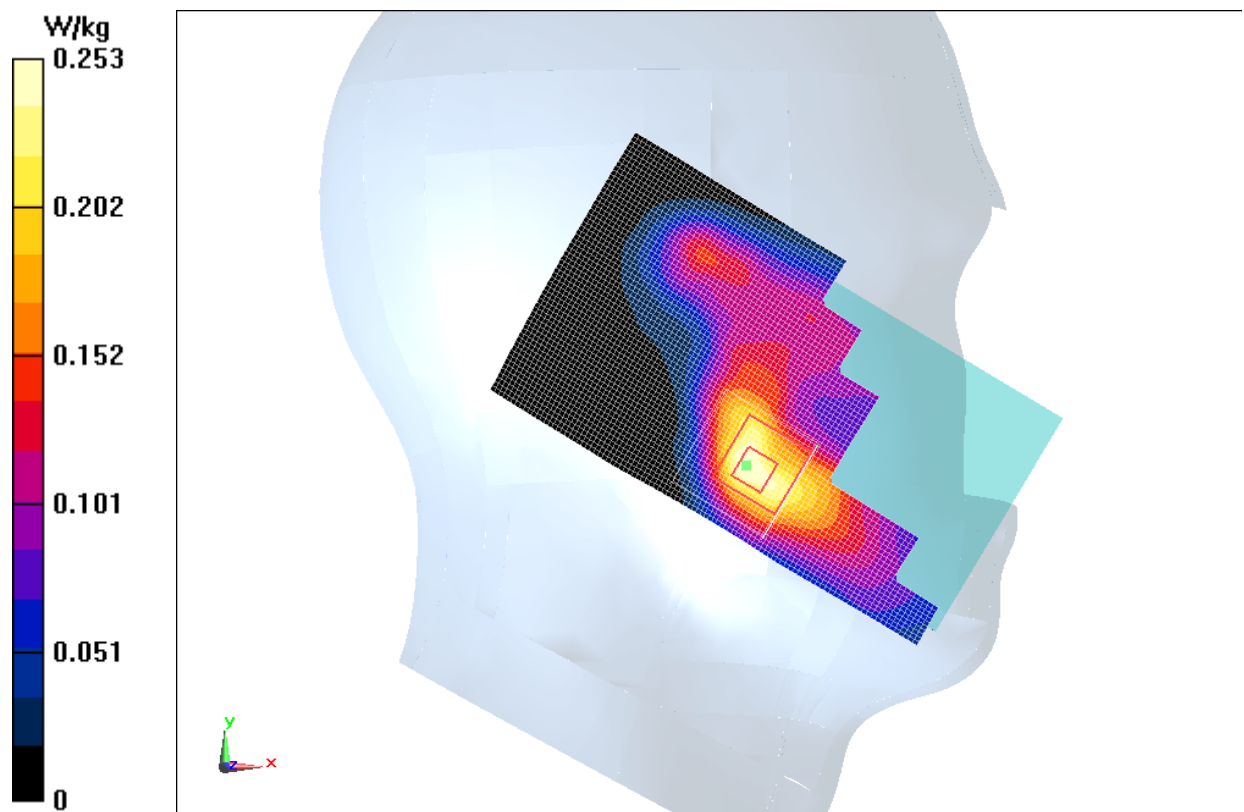


Fig.4 1900 MHz CH512

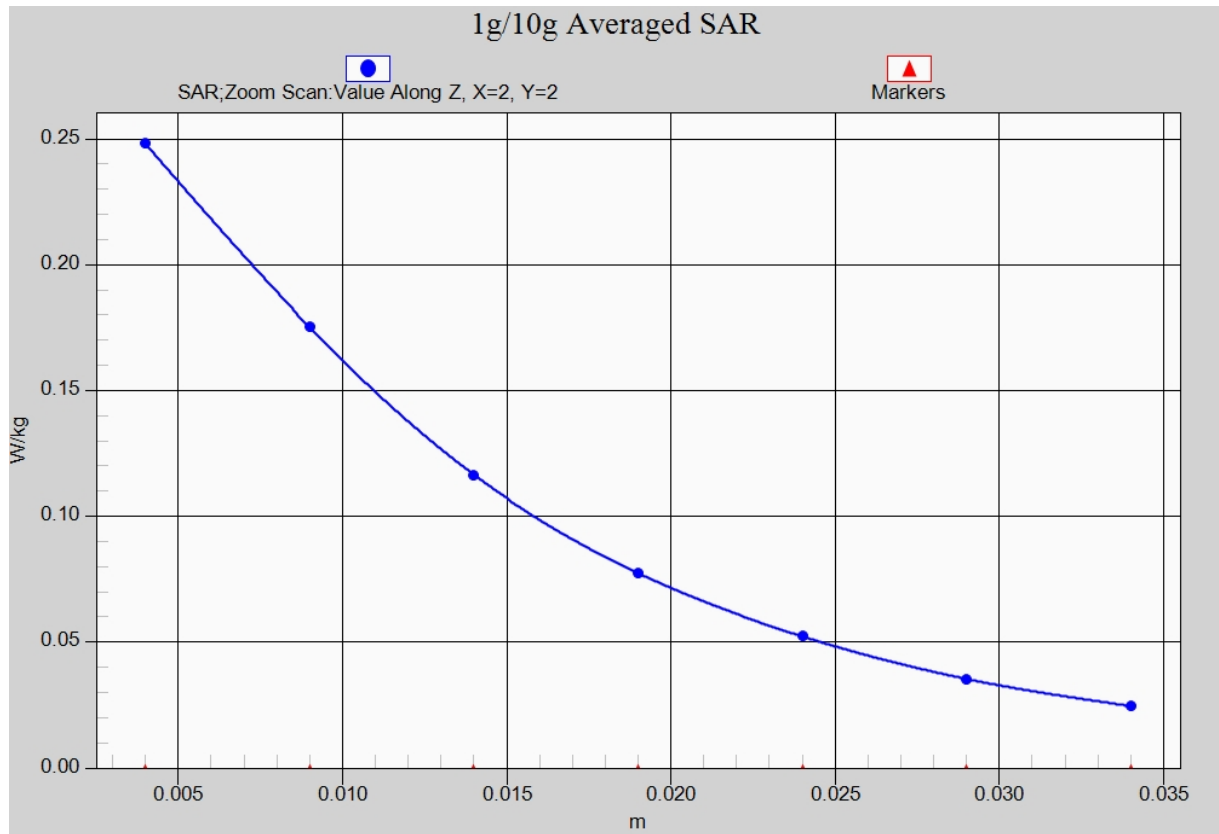


Fig. 4-1 Z-Scan at power reference point (1900 MHz CH512)

### 1900 Body Rear High – AP OFF

Date: 2013-9-16

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.521$  mho/m;  $\epsilon_r = 51.936$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.7°C Liquid Temperature: 22.2°C

Communication System: GSM 1900MHz GPRS Frequency: 1909.8 MHz Duty Cycle: 1:2

Probe: EX3DV4 - SN3846 ConvF(7.37, 7.37, 7.37)

**Rear High/Area Scan (71x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.651 W/kg

**Rear High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.529 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.921 W/kg

**SAR(1 g) = 0.613 W/kg; SAR(10 g) = 0.356 W/kg**

Maximum value of SAR (measured) = 0.695 W/kg

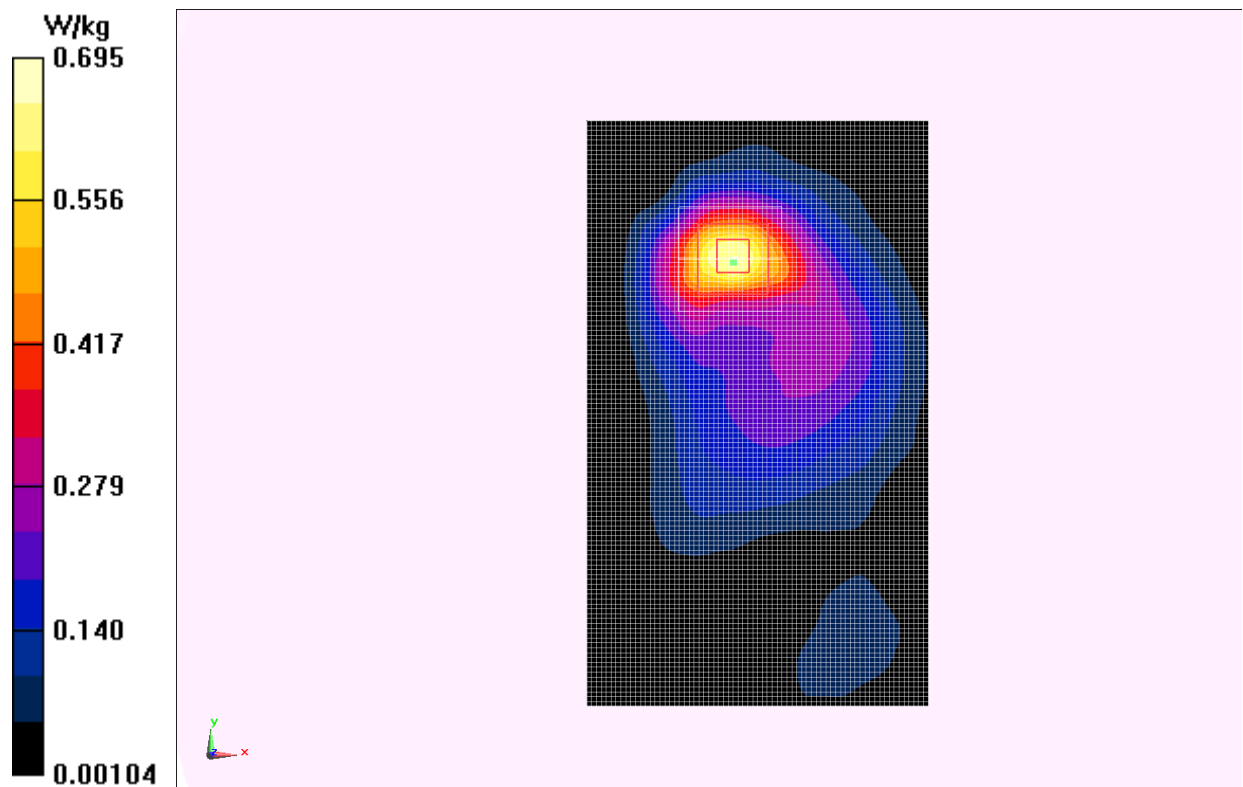
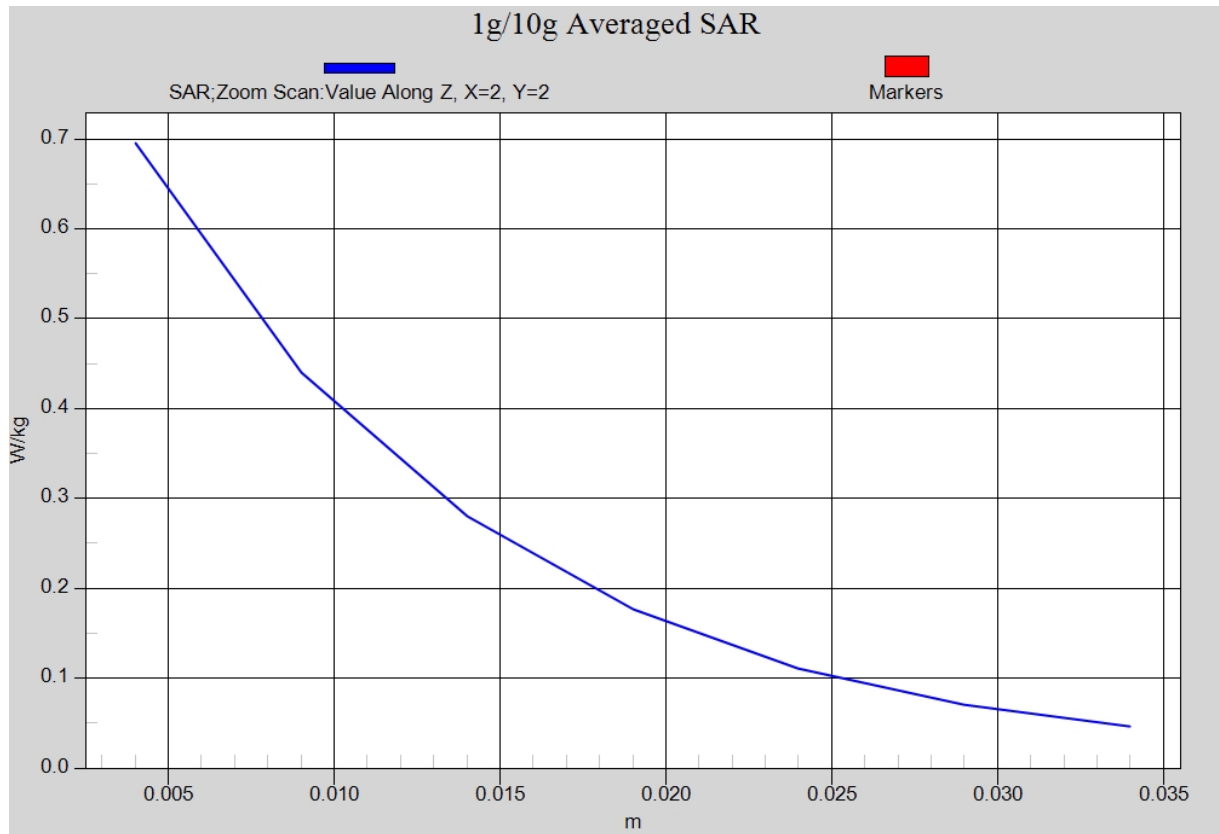


Fig.5 1900 MHz CH810



**Fig.5-1 Z-Scan at power reference point (1900 MHz CH810)**

### 1900 Body Rear High – AP ON

Date: 2013-9-16

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.521$  mho/m;  $\epsilon_r = 51.936$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.7°C Liquid Temperature: 22.2°C

Communication System: GSM 1900MHz GPRS Frequency: 1909.8 MHz Duty Cycle: 1:2

Probe: EX3DV4 - SN3846 ConvF(7.37, 7.37, 7.37)

**Rear High/Area Scan (61x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.428 W/kg

**Rear High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.508 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.620 W/kg

**SAR(1 g) = 0.368 W/kg; SAR(10 g) = 0.199 W/kg**

Maximum value of SAR (measured) = 0.404 W/kg

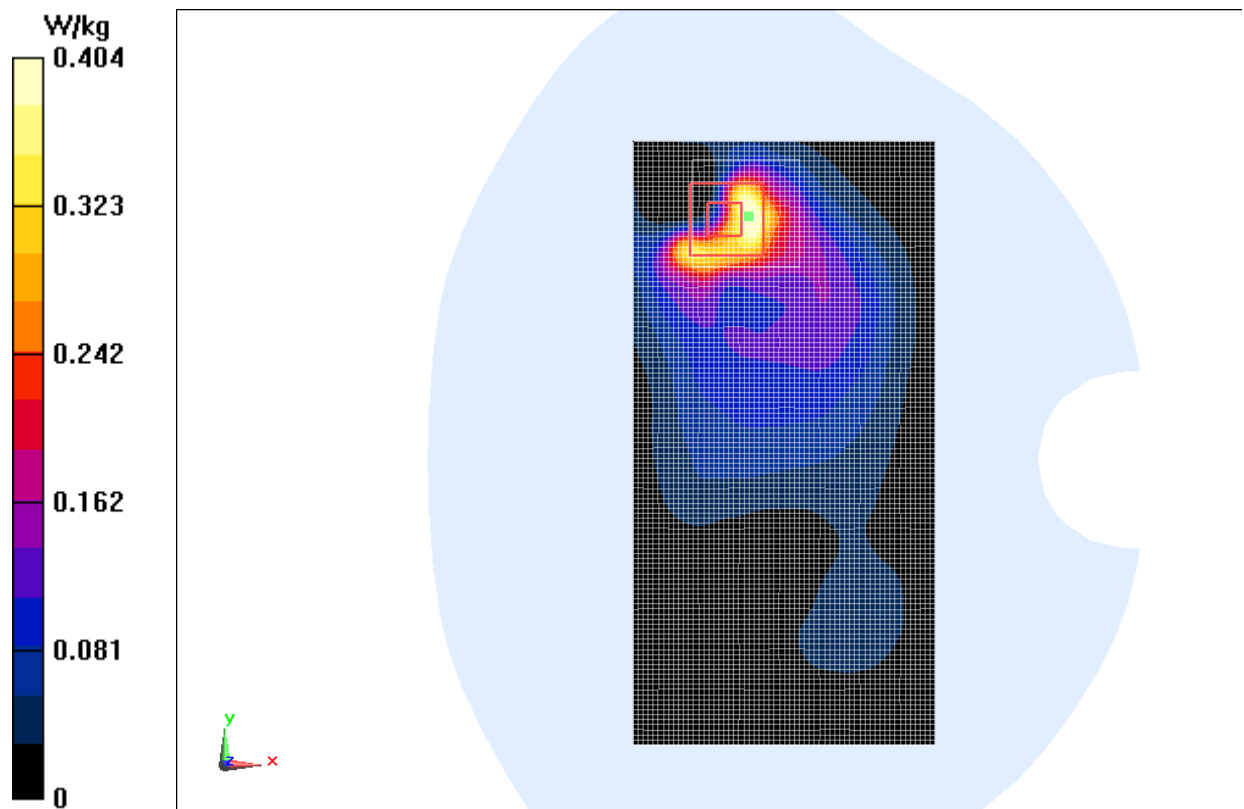
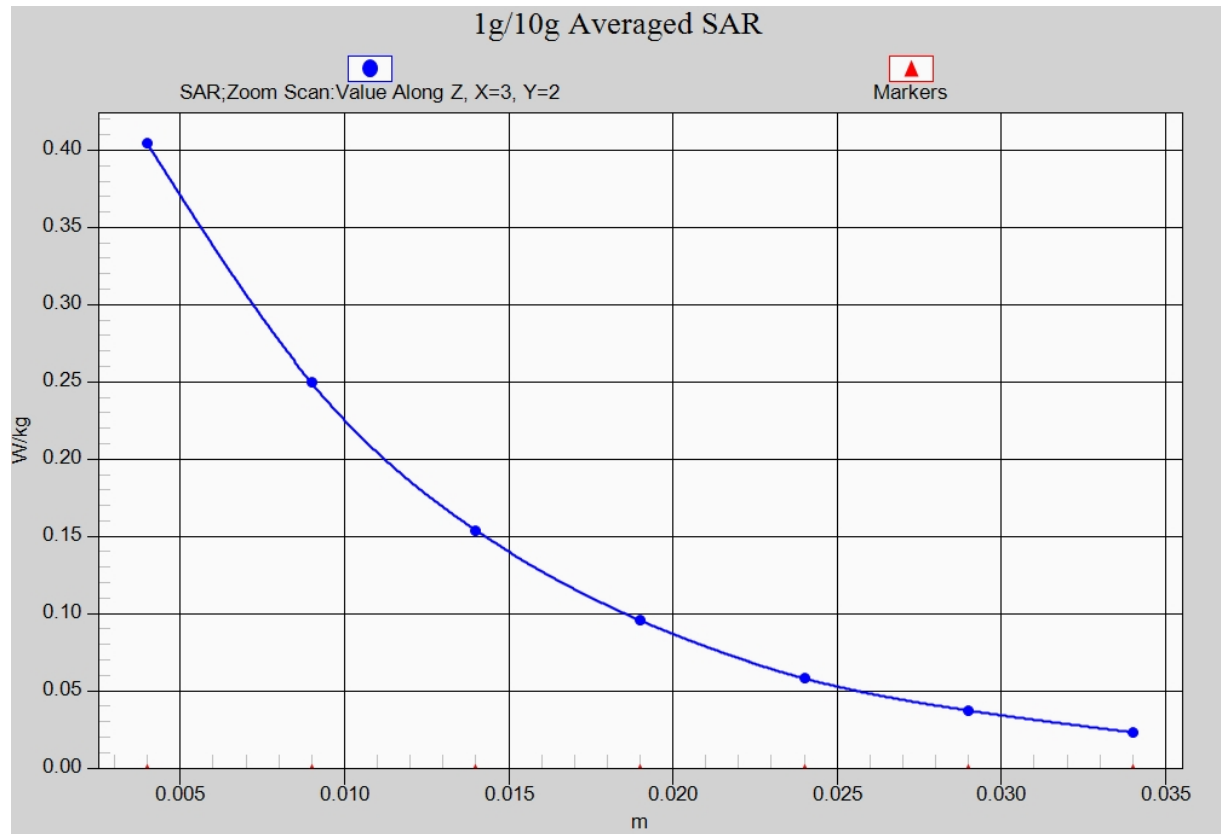


Fig.6 1900 MHz CH810



**Fig.6-1 Z-Scan at power reference point (1900 MHz CH810)**

## WCDMA 850 Left Cheek Middle

Date: 2013-9-15

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.914$  mho/m;  $\epsilon_r = 40.847$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN3846 ConvF(9.18, 9.18, 9.18)

**Cheek Middle/Area Scan (61x111x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.619 W/kg

**Cheek Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.797 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.697 W/kg

**SAR(1 g) = 0.575 W/kg; SAR(10 g) = 0.444 W/kg**

Maximum value of SAR (measured) = 0.606 W/kg

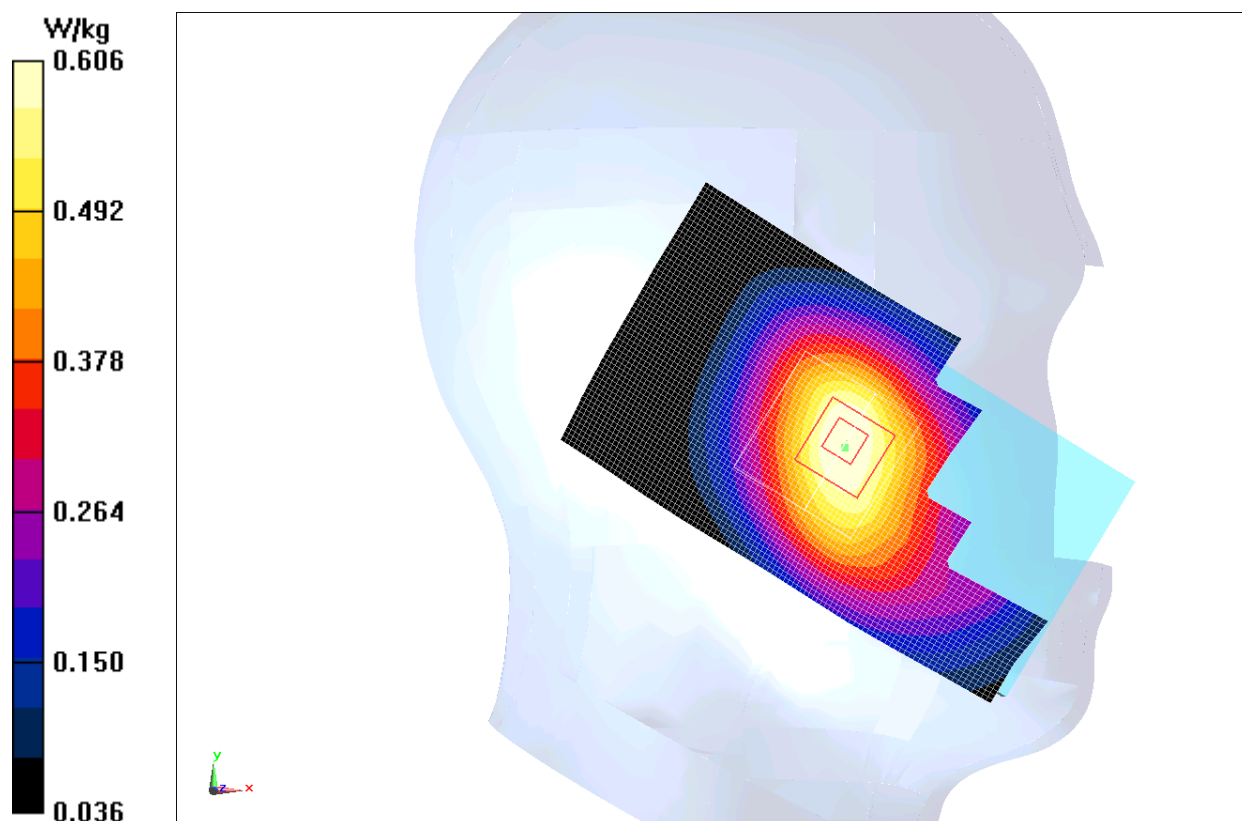
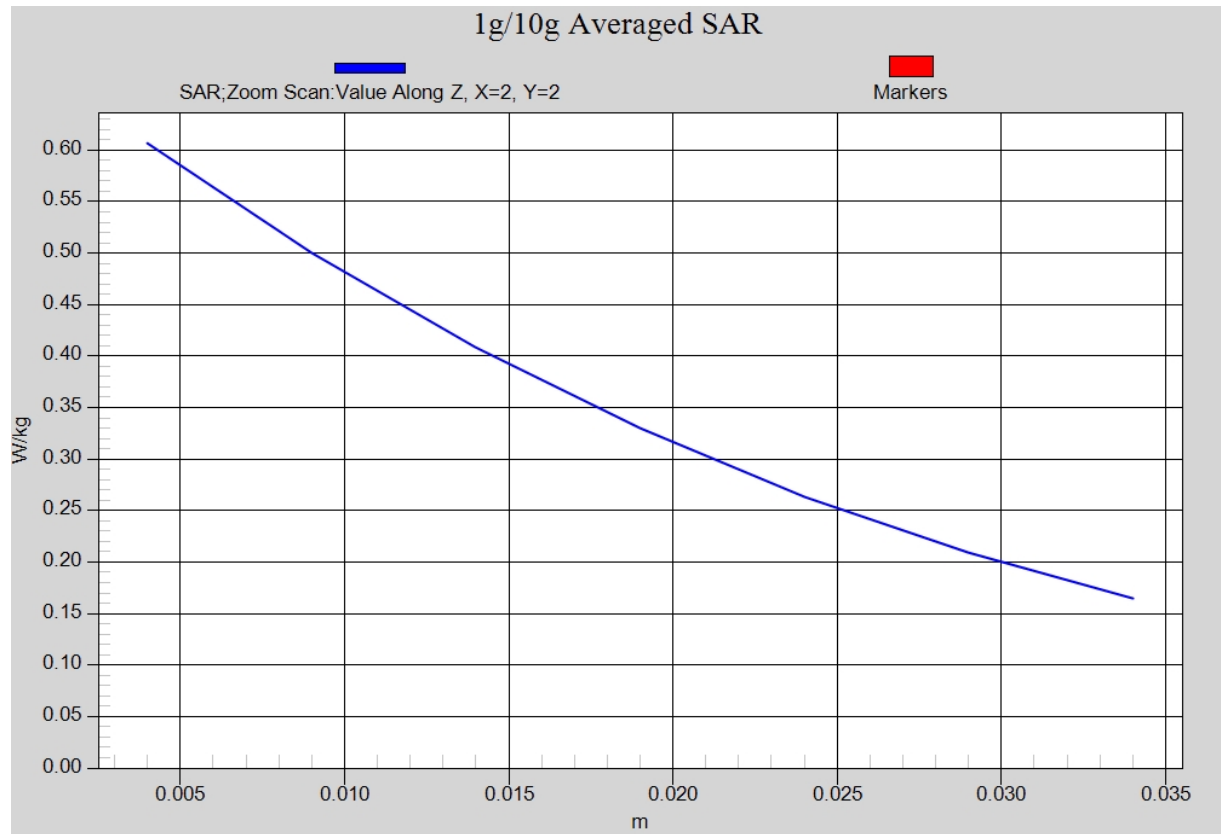


Fig.7 WCDMA 850 CH4182



**Fig. 7-1 Z-Scan at power reference point (WCDMA 850 CH4182)**

## WCDMA 850 Body Rear High – AP OFF

Date: 2013-9-15

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated):  $f = 846.6$  MHz;  $\sigma = 0.994$  mho/m;  $\epsilon_r = 54.476$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN3846 ConvF(9.04, 9.04, 9.04)

**Rear High/Area Scan (61x111x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.802 W/kg

**Rear High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.502 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.917 W/kg

**SAR(1 g) = 0.754 W/kg; SAR(10 g) = 0.582 W/kg**

Maximum value of SAR (measured) = 0.792 W/kg

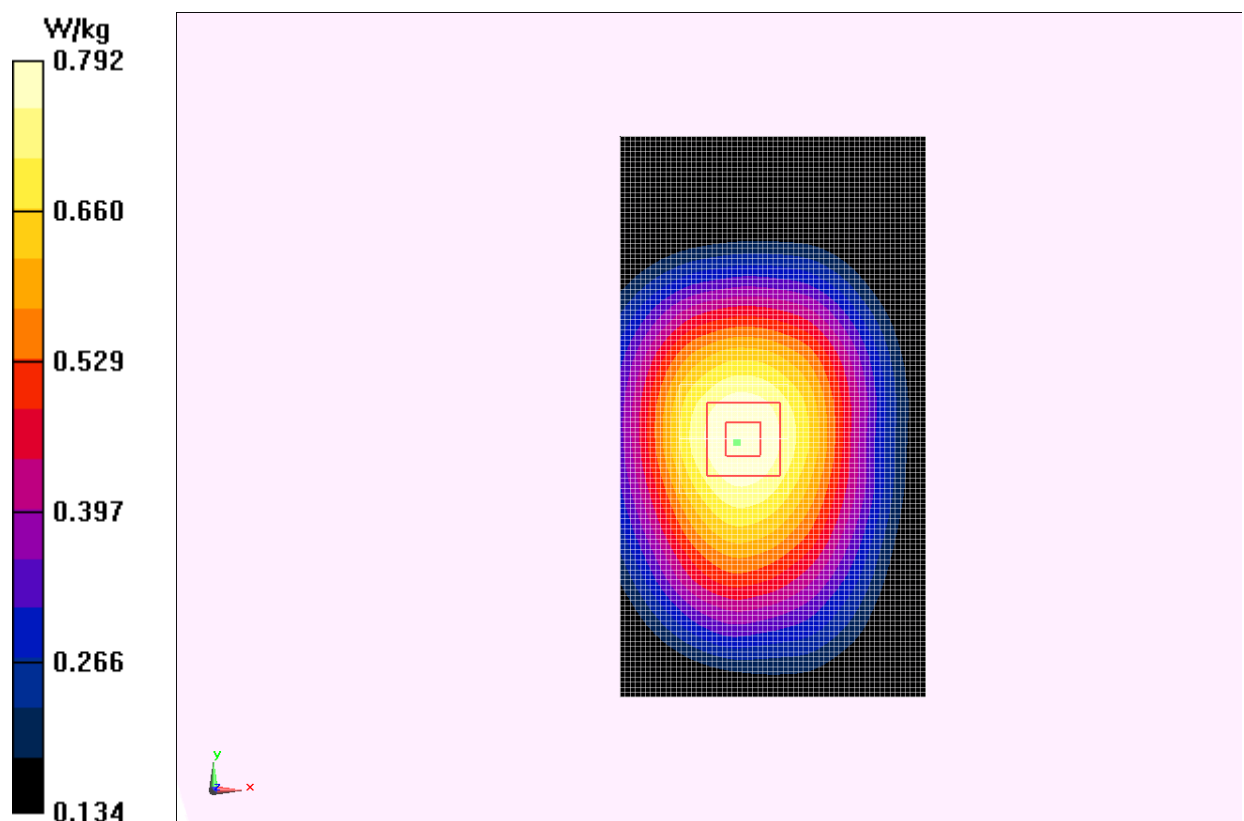
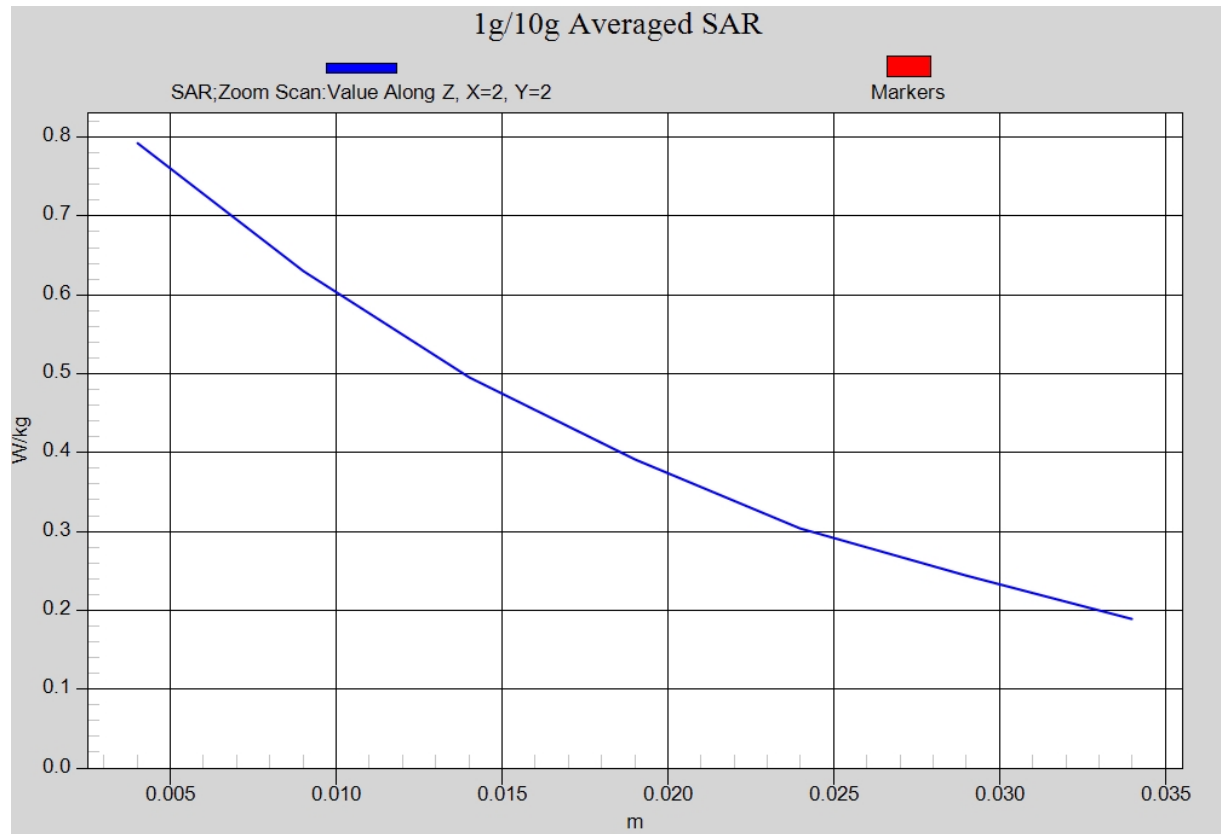


Fig.8 WCDMA 850 CH4233



**Fig. 8-1 Z-Scan at power reference point (WCDMA850 CH4233)**

## WCDMA 850 Body Rear Middle – AP ON

Date: 2013-9-15

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.984$  mho/m;  $\epsilon_r = 54.601$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Probe: EX3DV4 - SN3846 ConvF(9.04, 9.04, 9.04)

**Rear Middle/Area Scan (61x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.244 W/kg

**Rear Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.809 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.267 W/kg

**SAR(1 g) = 0.214 W/kg; SAR(10 g) = 0.165 W/kg**

Maximum value of SAR (measured) = 0.244 W/kg

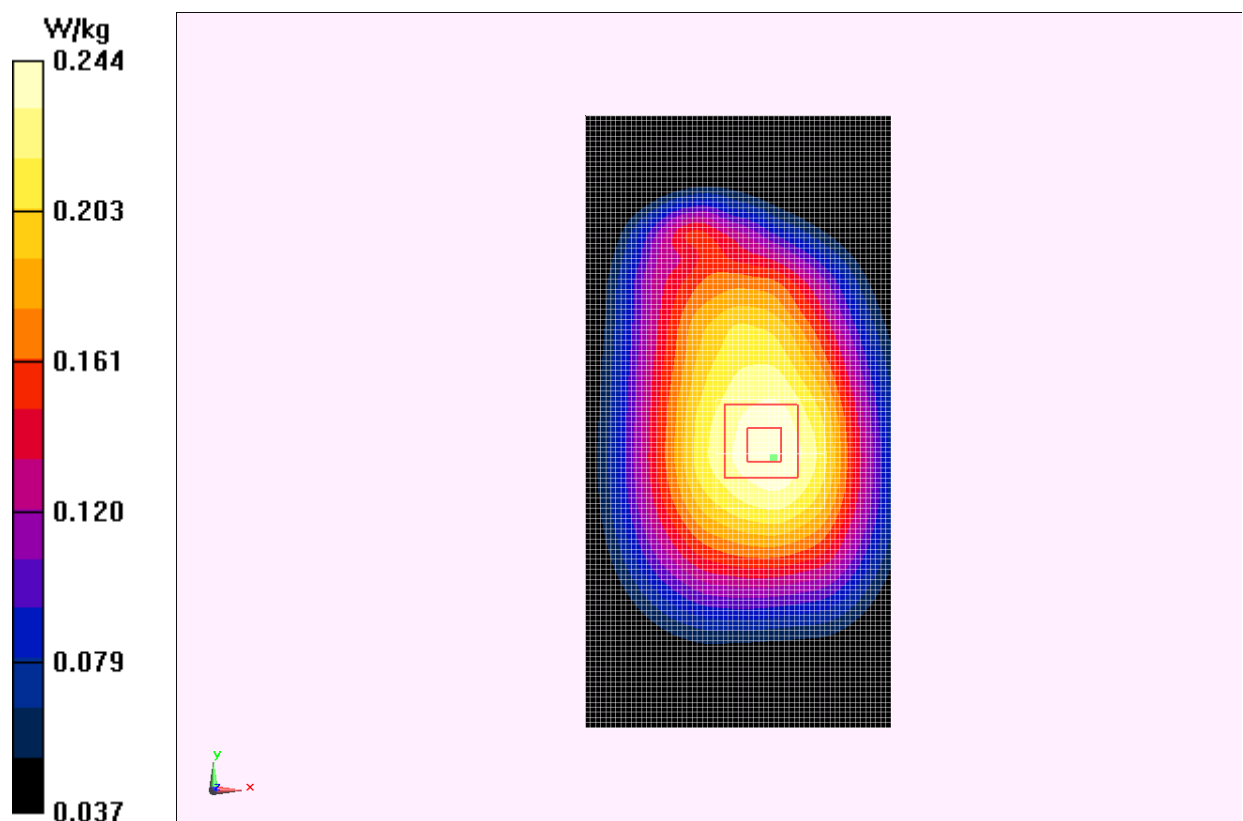
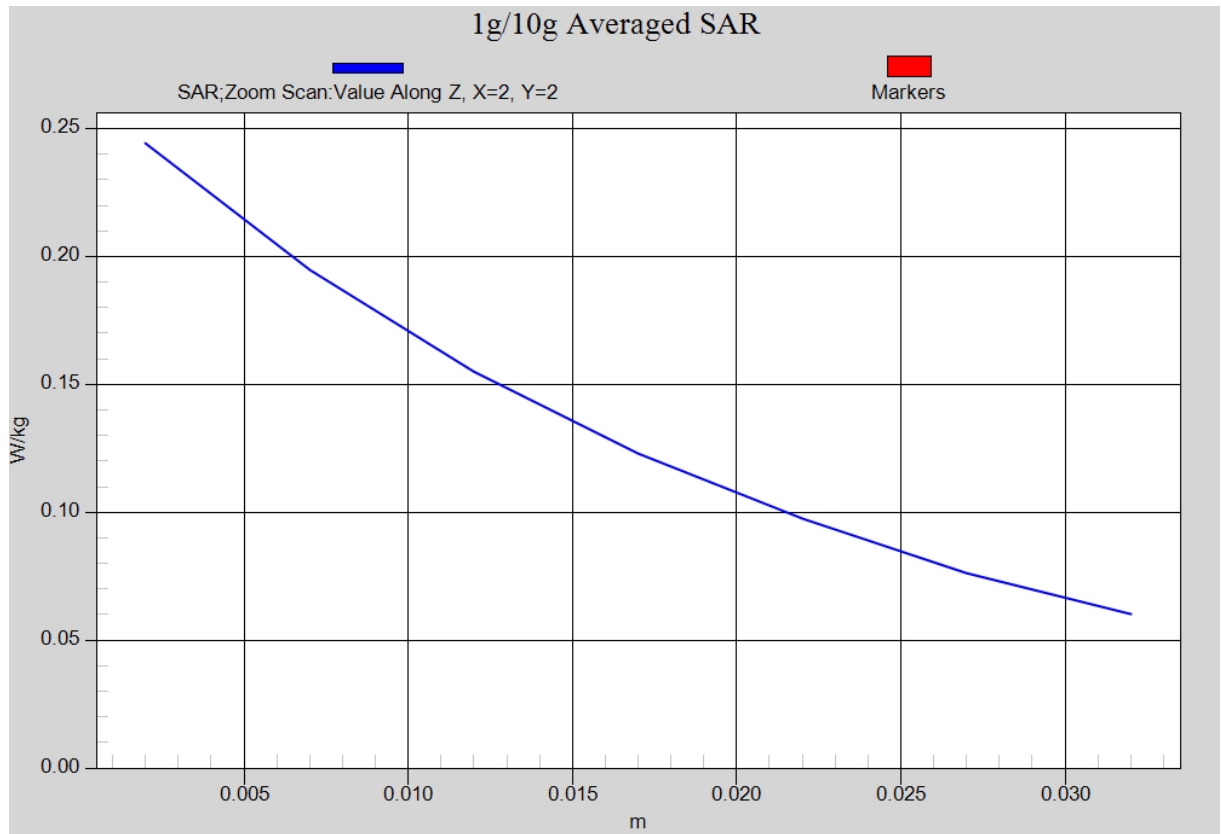


Fig.9 WCDMA 850 CH4182



**Fig. 9-1 Z-Scan at power reference point (WCDMA850 CH4182)**

## WCDMA 1700 Right Cheek High

Date: 2013-9-17

Electronics: DAE4 Sn771

Medium: Head 1750 MHz

Medium parameters used (interpolated):  $f = 1752.6$  MHz;  $\sigma = 1.367$  mho/m;  $\epsilon_r = 40.952$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.7°C      Liquid Temperature: 22.2°C

Communication System: WCDMA 1700 Frequency: 1752.6 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3846 ConvF(8.39, 8.39, 8.39)

**Cheek High/Area Scan (61x111x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.367 W/kg

**Cheek High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.353 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.514 W/kg

**SAR(1 g) = 0.335 W/kg; SAR(10 g) = 0.202 W/kg**

Maximum value of SAR (measured) = 0.361 W/kg

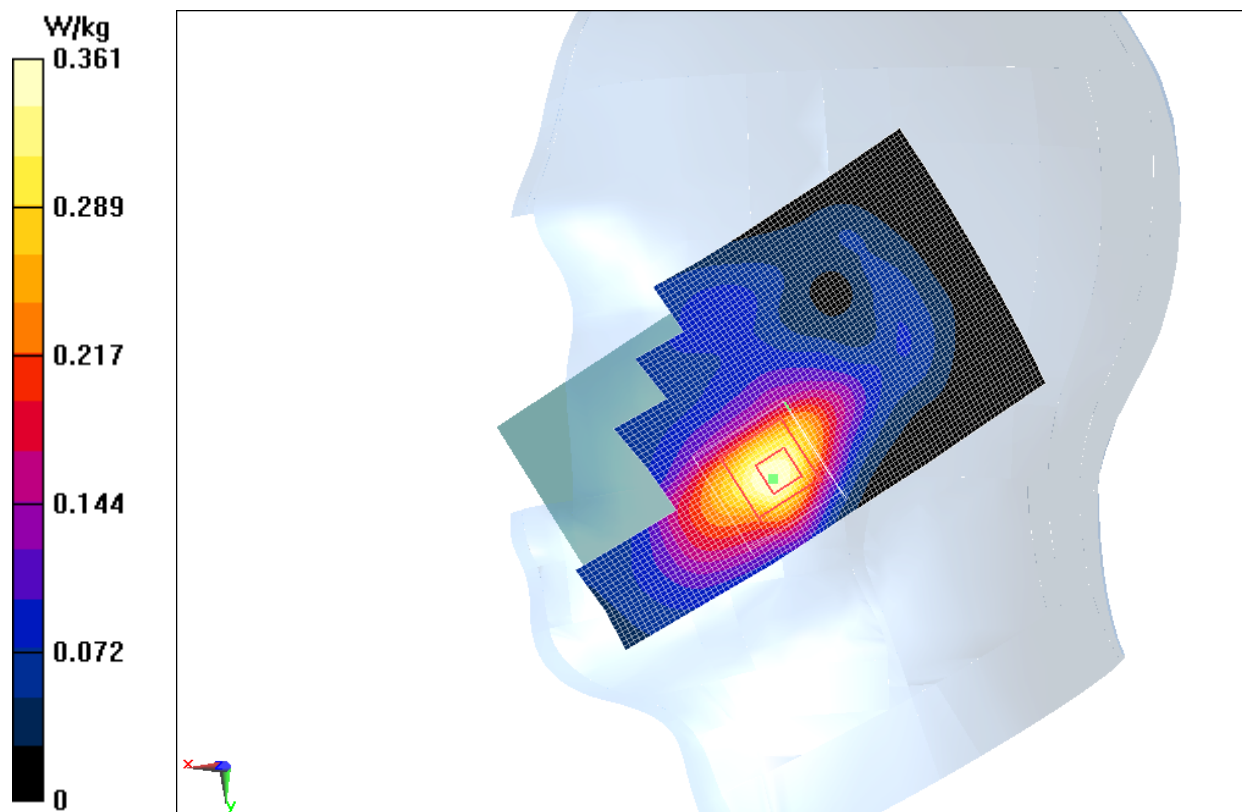


Fig.10 1700MHz CH1513

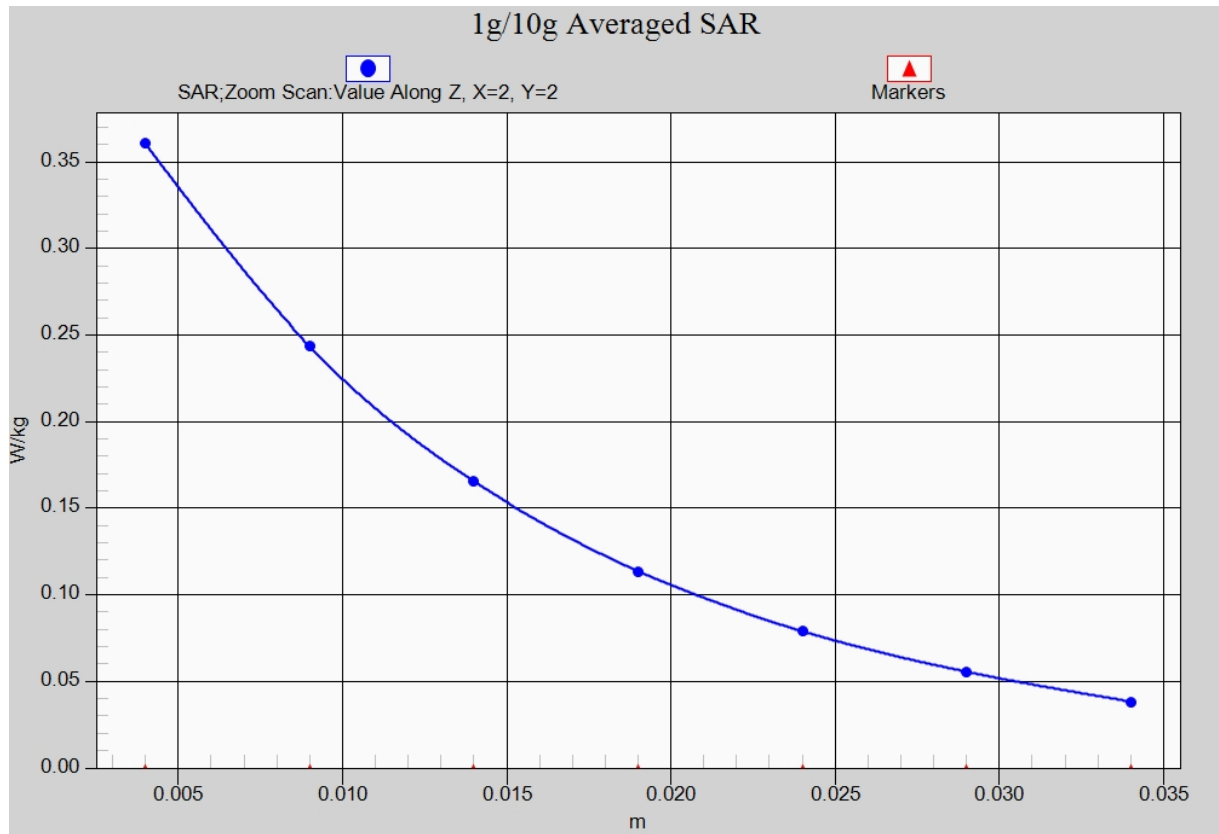


Fig. 10-1 Z-Scan at power reference point (1700 MHz CH1513)

## WCDMA 1700 Body Bottom Edge High – AP OFF

Date: 2013-9-17

Electronics: DAE4 Sn771

Medium: Body 1750 MHz

Medium parameters used (interpolated):  $f = 1752.6$  MHz;  $\sigma = 1.517$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.7°C      Liquid Temperature: 22.2°C

Communication System: WCDMA 1700 Frequency: 1752.6 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3846 ConvF(7.63, 7.63, 7.63)

**Bottom Edge High/Area Scan (61x111x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.23 W/kg

**Bottom Edge High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.760 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.60 W/kg

**SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.616 W/kg**

Maximum value of SAR (measured) = 1.20 W/kg

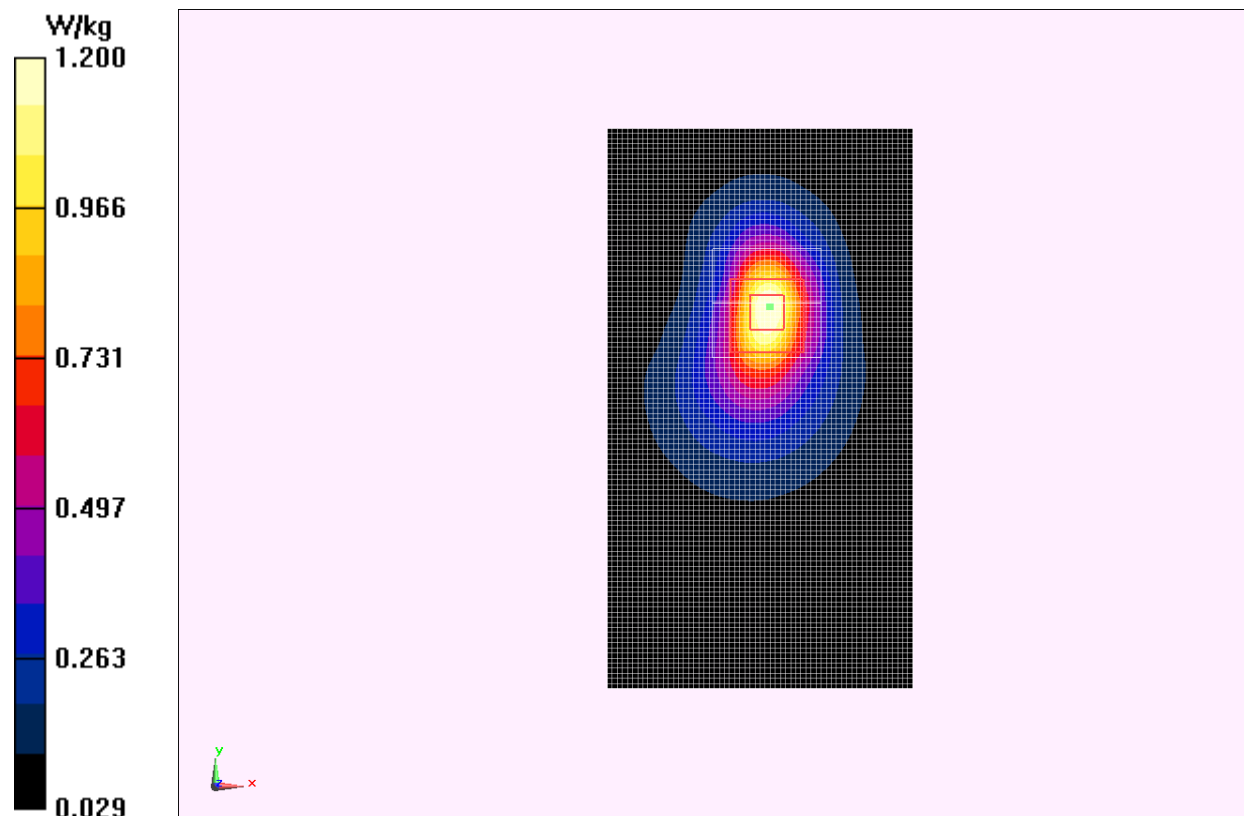


Fig.11 1700 MHz CH1513

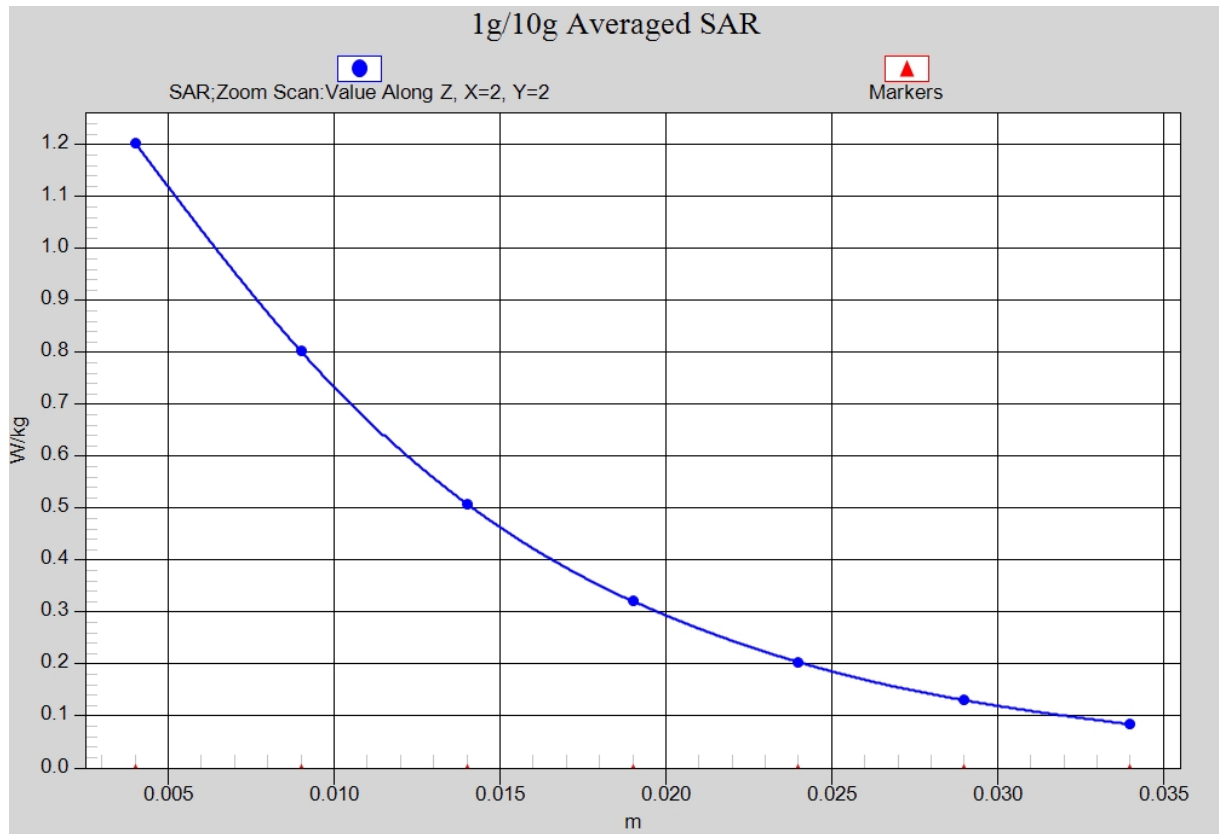


Fig. 11-1 Z-Scan at power reference point (1700 MHz CH1513)

## WCDMA 1700 Body Front High – AP ON

Date: 2013-9-17

Electronics: DAE4 Sn771

Medium: Body 1750 MHz

Medium parameters used (interpolated):  $f = 1752.6$  MHz;  $\sigma = 1.517$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.7°C      Liquid Temperature: 22.2°C

Communication System: WCDMA 1700 Frequency: 1752.6 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3846 ConvF(7.63, 7.63, 7.63)

**Front High/Area Scan (61x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.472 W/kg

**Front High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.850 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.721 W/kg

**SAR(1 g) = 0.464 W/kg; SAR(10 g) = 0.251 W/kg**

Maximum value of SAR (measured) = 0.494 W/kg

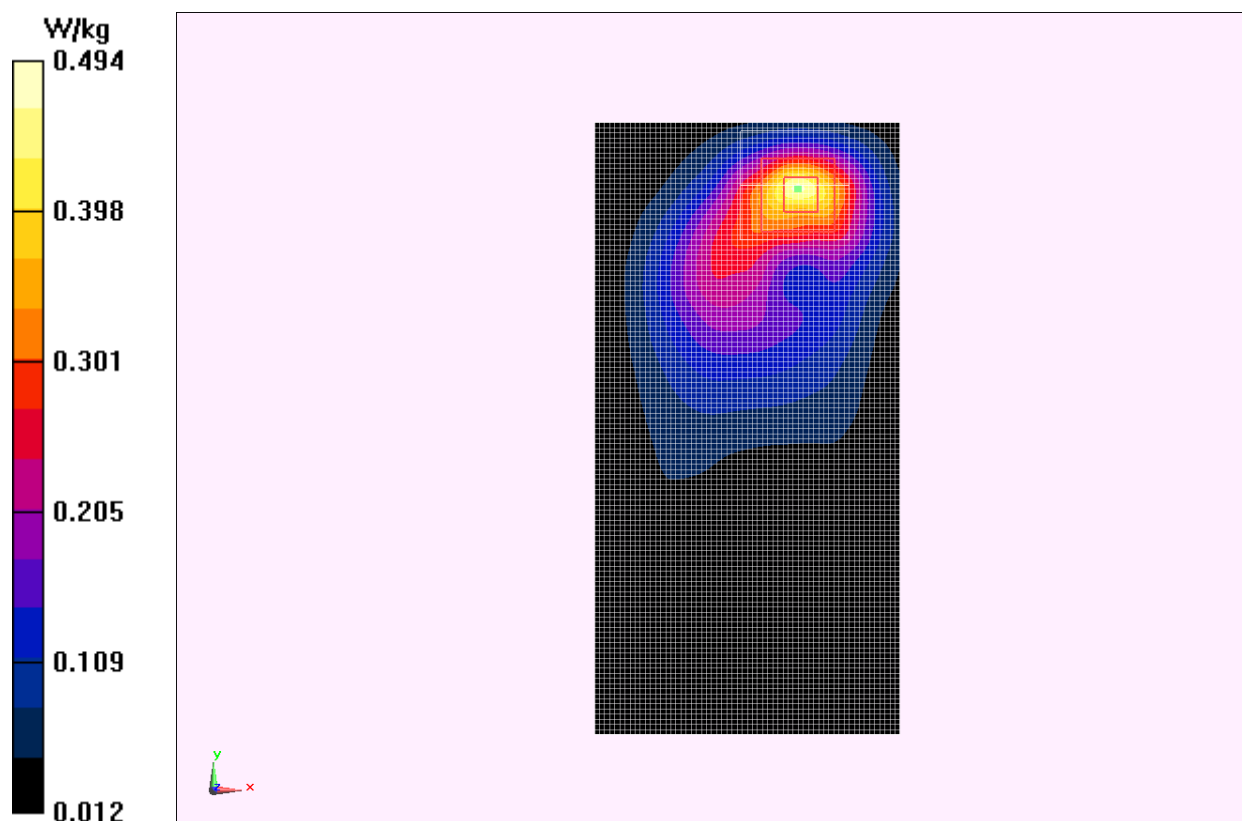
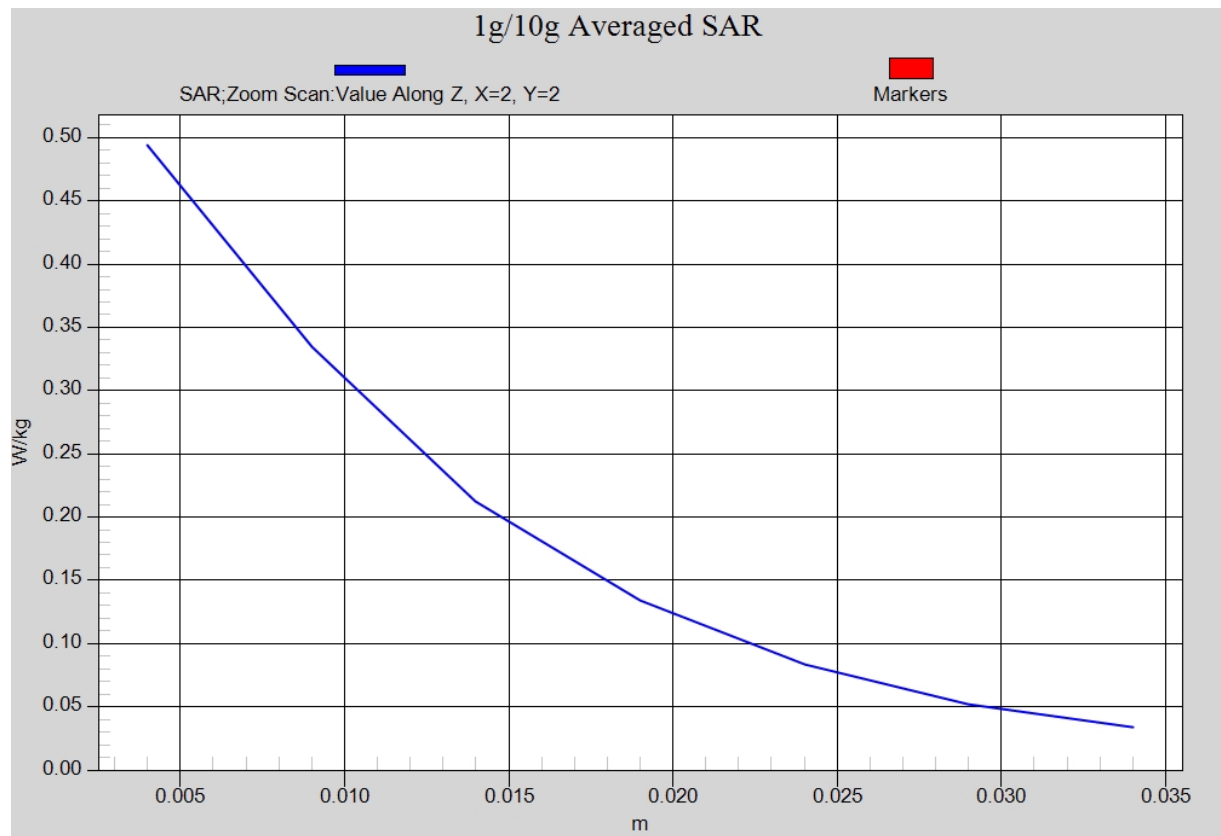


Fig.12 1700 MHz CH1513



**Fig. 12-1 Z-Scan at power reference point (1700 MHz CH1513)**

### WCDMA 1900 Left Cheek Middle

Date: 2013-9-16

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.408$  mho/m;  $\epsilon_r = 39.109$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.7°C Liquid Temperature: 22.2°C

Communication System: WCDMA 1900 Frequency: 1880 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3846 ConvF(8.01, 8.01, 8.01)

**Cheek Middle/Area Scan (61x111x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.379 W/kg

**Cheek Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 3.289 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.484 W/kg

**SAR(1 g) = 0.343 W/kg; SAR(10 g) = 0.210 W/kg**

Maximum value of SAR (measured) = 0.379 W/kg

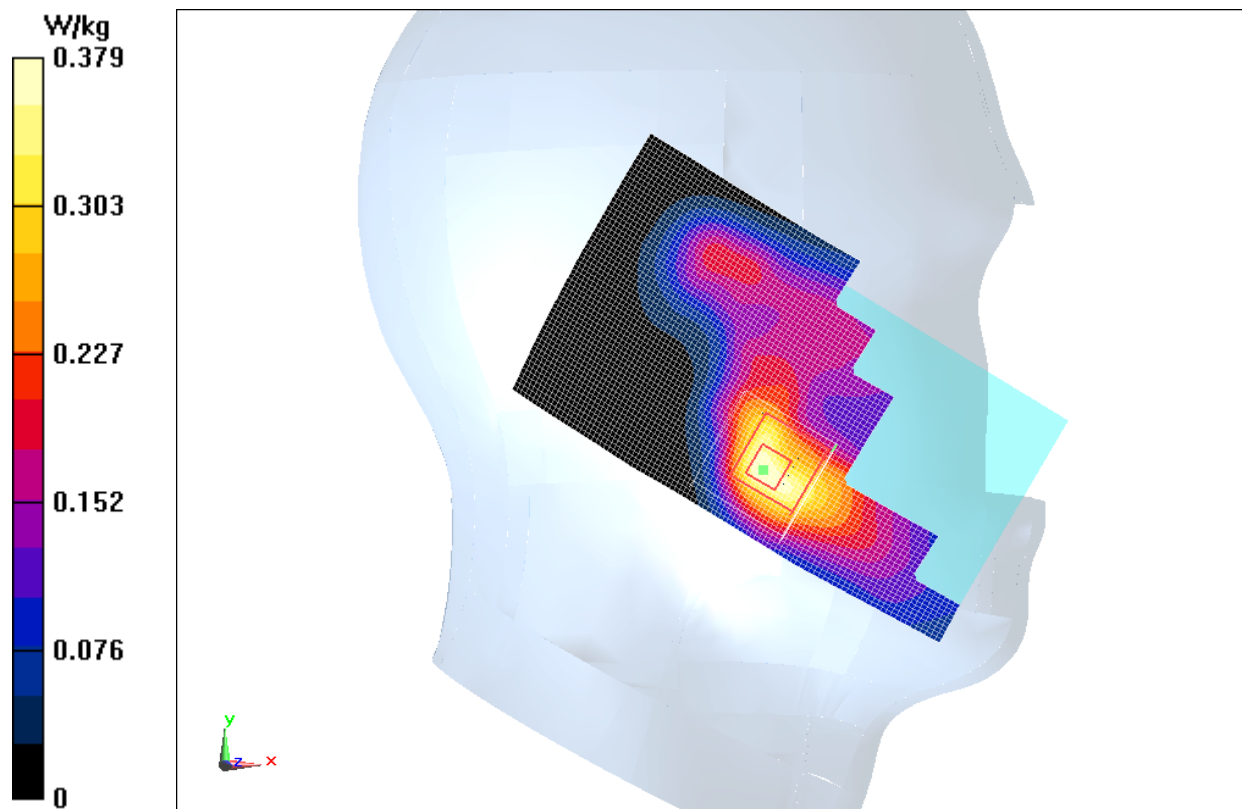


Fig.13 WCDMA1900 CH9400

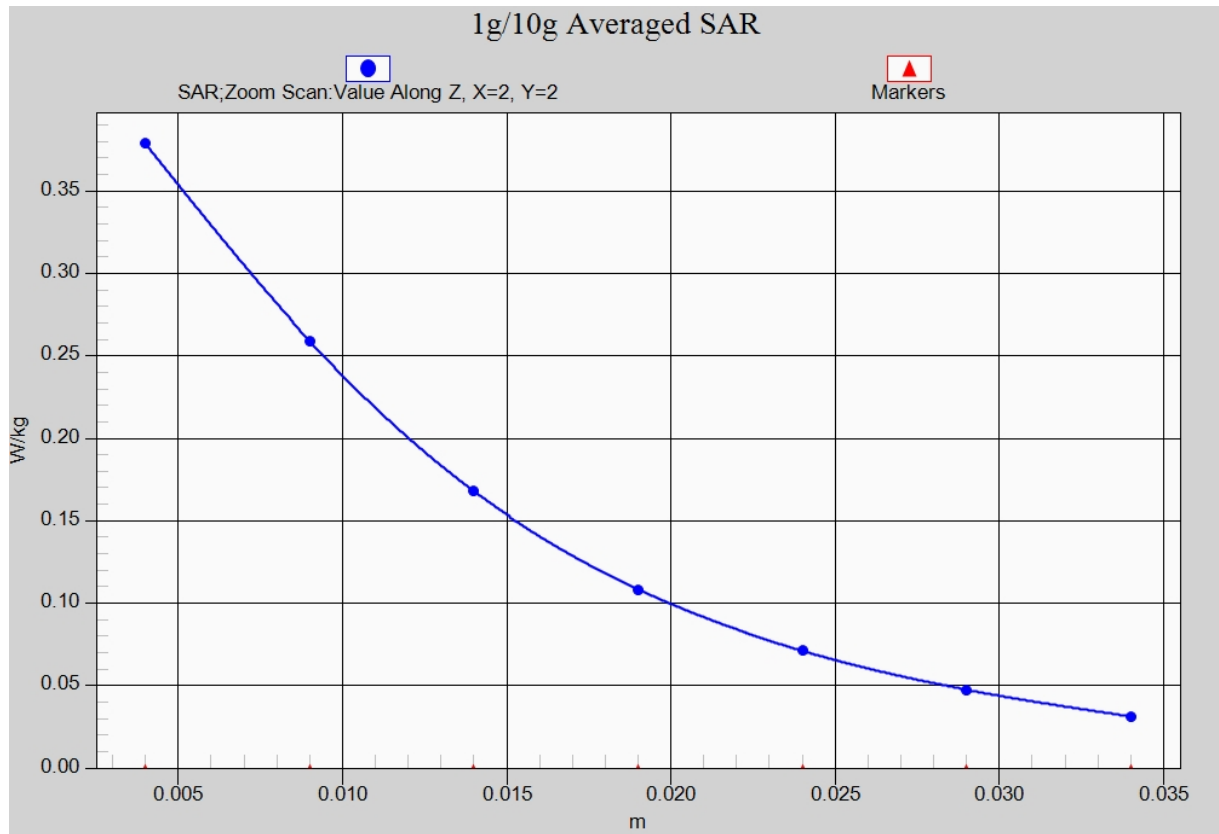


Fig. 13-1 Z-Scan at power reference point (WCDMA1900 CH9400)

## WCDMA 1900 Body Bottom Edge High with Headset – AP OFF

Date: 2013-9-16

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used (interpolated):  $f = 1907.6$  MHz;  $\sigma = 1.518$  mho/m;  $\epsilon_r = 51.941$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.7°C      Liquid Temperature: 22.2°C

Communication System: WCDMA 1900 Frequency: 1907.6 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3846 ConvF(7.37, 7.37, 7.37)

**Bottom Edge High/Area Scan (71x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.02 W/kg

**Bottom Edge High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.625 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.49 W/kg

**SAR(1 g) = 0.936 W/kg; SAR(10 g) = 0.545 W/kg**

Maximum value of SAR (measured) = 1.02 W/kg

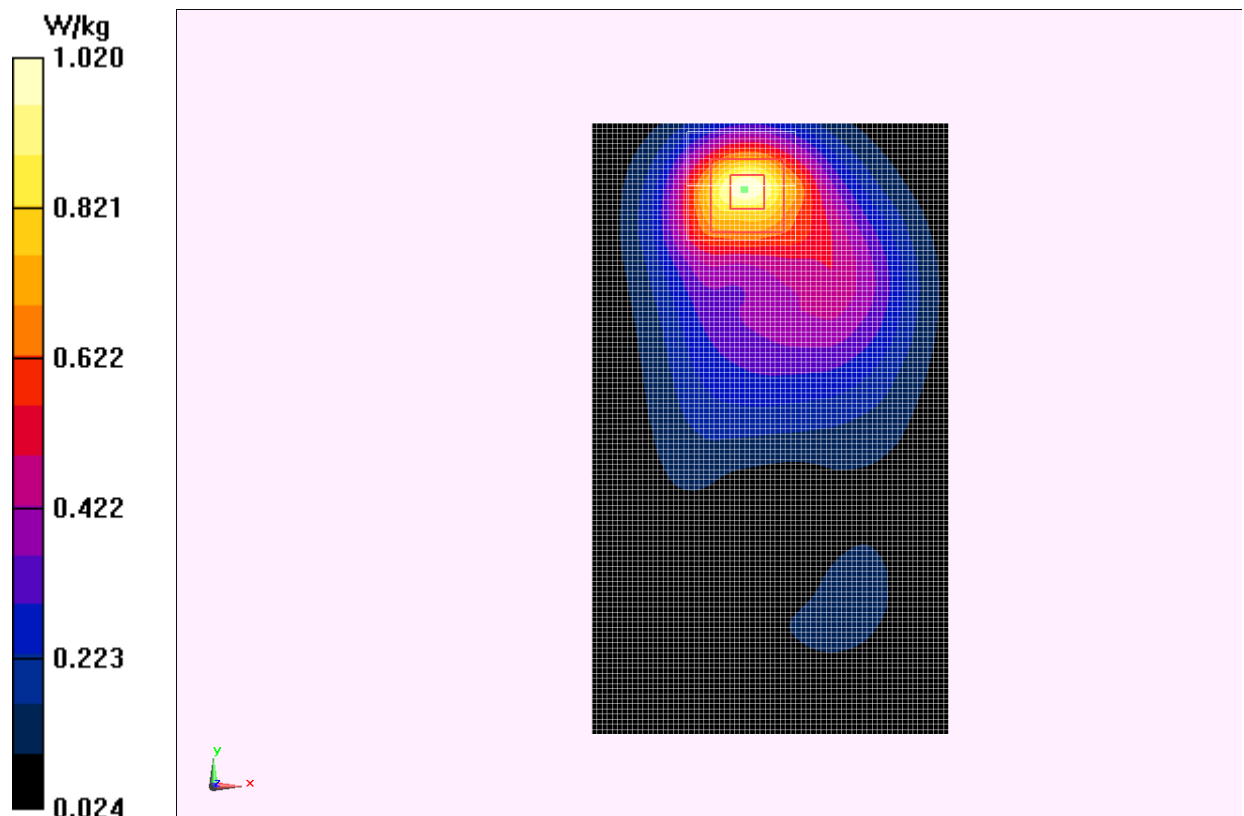
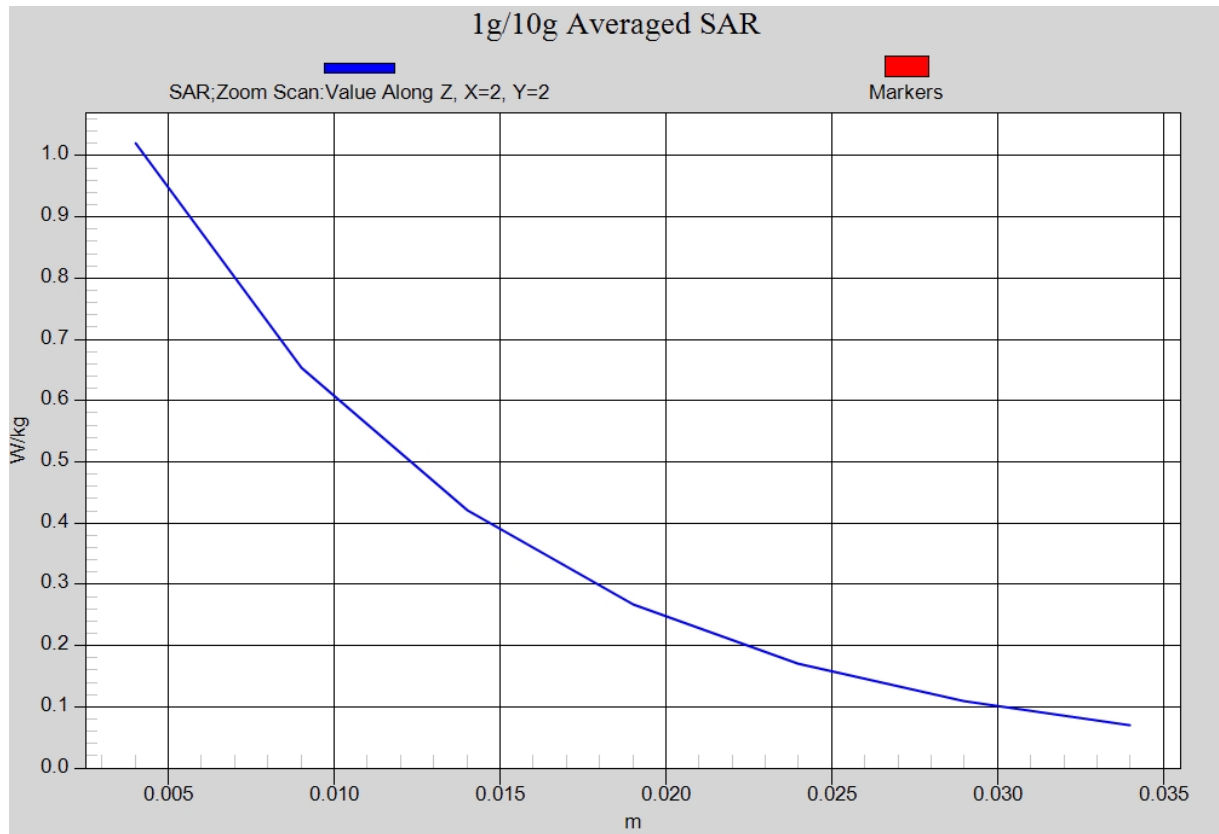


Fig.14 WCDMA1900 CH9538



**Fig. 14-1 Z-Scan at power reference point (WCDMA1900 CH9538)**

## WCDMA 1900 Body Rear Middle – AP ON

Date: 2013-9-16

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.509$  mho/m;  $\epsilon_r = 54.096$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.7°C Liquid Temperature: 22.2°C

Communication System: WCDMA 1900 Frequency: 1880 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3846 ConvF(7.37, 7.37, 7.37)

**Rear Middle/Area Scan (61x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.507 W/kg

**Rear Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.997 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.751 W/kg

**SAR(1 g) = 0.451 W/kg; SAR(10 g) = 0.247 W/kg**

Maximum value of SAR (measured) = 0.514 W/kg

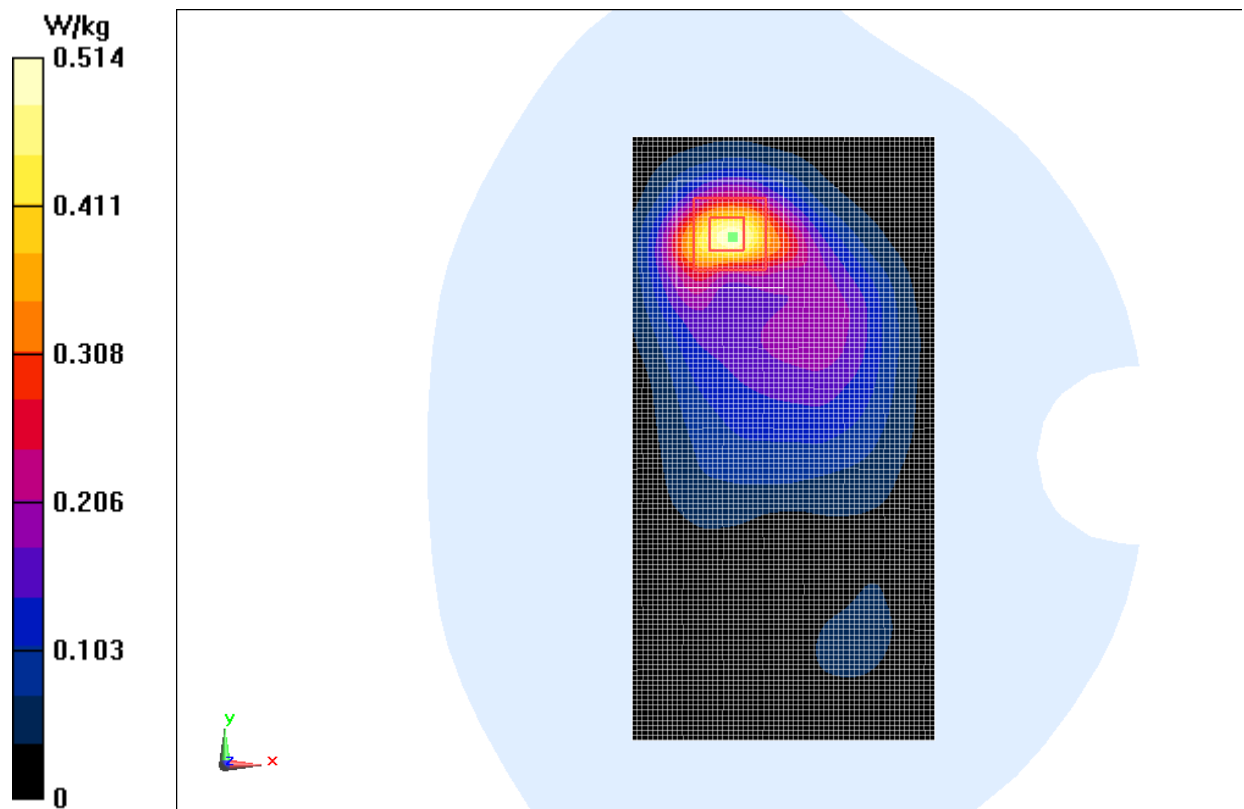


Fig.15 WCDMA1900 CH9400

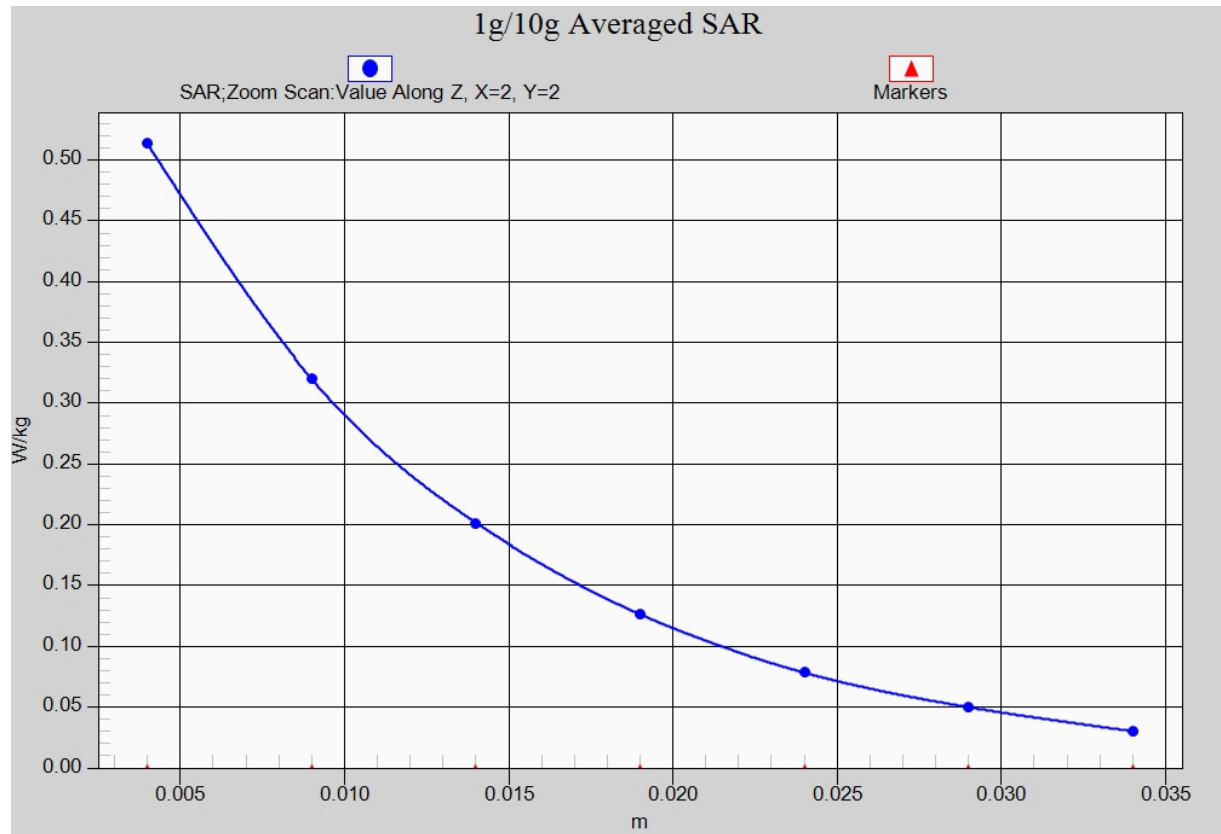


Fig. 15-1 Z-Scan at power reference point (WCDMA1900 CH9400)

### LTE Band4 Right Cheek Middle with QPSK\_20M\_1RB\_High

Date: 2013-9-17

Electronics: DAE4 Sn771

Medium: Head 1750 MHz

Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.353$  mho/m;  $\epsilon_r = 41.069$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.7°C      Liquid Temperature: 22.2°C

Communication System: LTE Band4 Frequency: 1732.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3846 ConvF(8.39, 8.39, 8.39)

**Cheek Middle/Area Scan (61x111x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.291 W/kg

**Cheek Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.925 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.380 W/kg

**SAR(1 g) = 0.258 W/kg; SAR(10 g) = 0.166 W/kg**

Maximum value of SAR (measured) = 0.278 W/kg

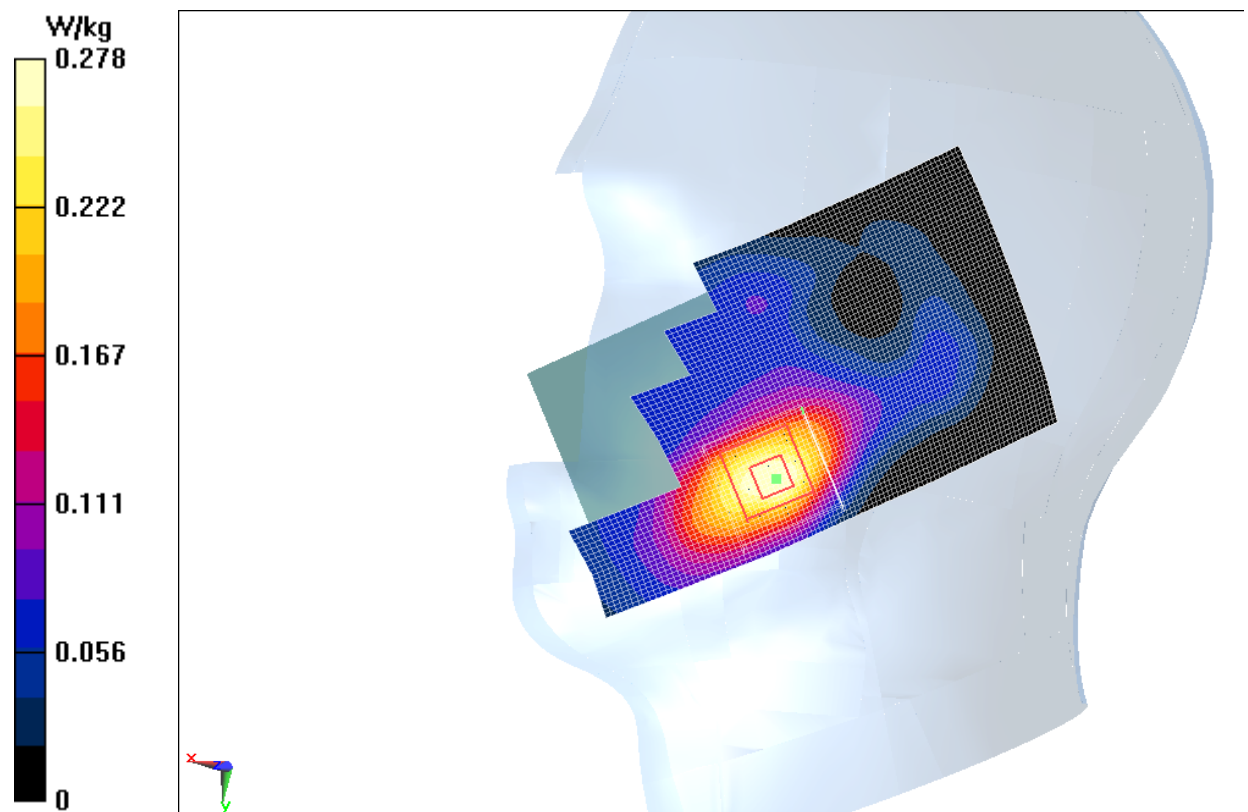


Fig.16 LTE Band4 CH20175

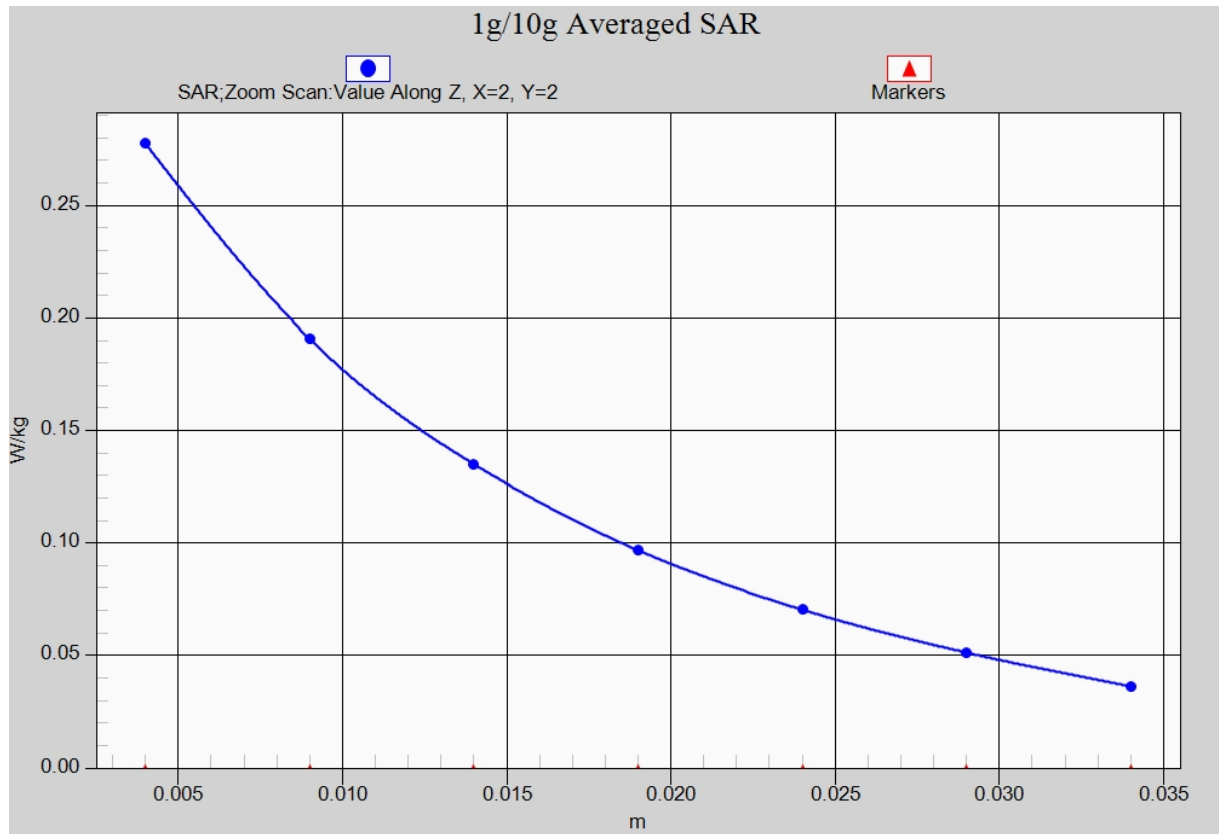


Fig. 16-1 Z-Scan at power reference point (LTE Band4 CH20175)

# **LTE Band4 Body Bottom Edge High with QPSK\_20M\_1RB\_High – AP OFF**

Date: 2013-9-17

Electronics: DAE4 Sn771

Medium: Body 1750 MHz

Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.512$  mho/m;  $\epsilon_r = 52.331$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.7°C Liquid Temperature: 22.2°C

Communication System: LTE Band4 Frequency: 1745 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3846 ConvF(7.63, 7.63, 7.63)

**Bottom Edge High/Area Scan (61x111x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.21 W/kg

**Bottom Edge High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.102 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.41 W/kg

**SAR(1 g) = 0.928 W/kg; SAR(10 g) = 0.522 W/kg**

Maximum value of SAR (measured) = 1.22 W/kg

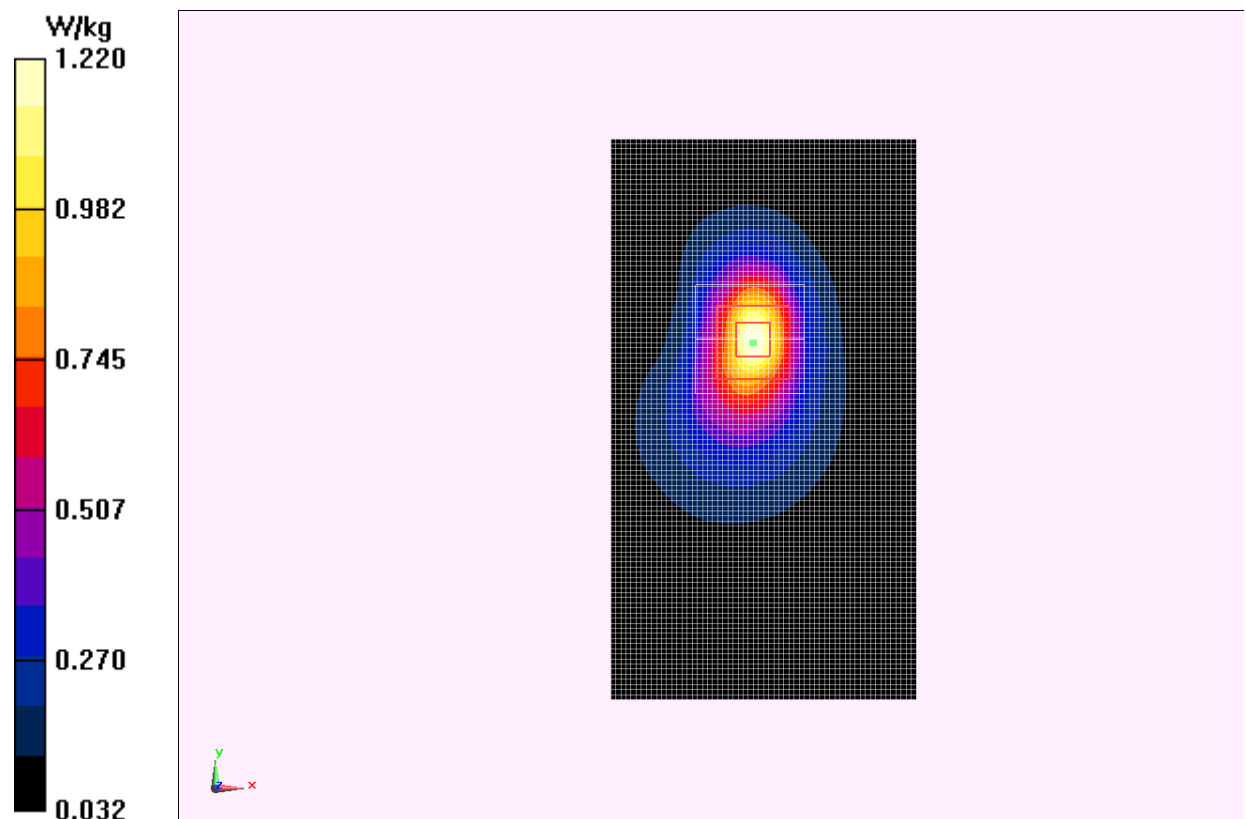
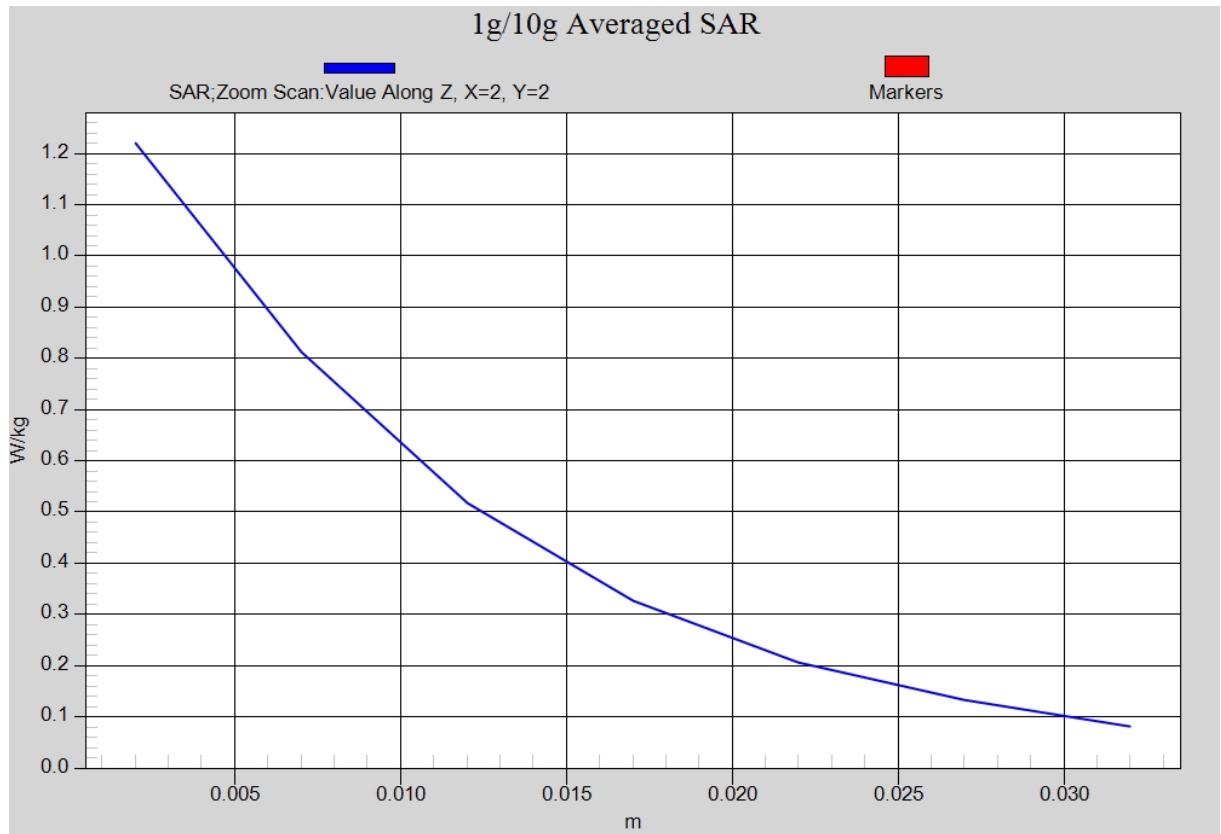


Fig.17 LTE Band4 CH20300



**Fig. 17-1 Z-Scan at power reference point (LTE Band4 CH20300)**

# **LTE Band4 Body Front Middle with QPSK\_20M\_1RB\_Low – AP ON**

Date: 2013-9-17

Electronics: DAE4 Sn771

Medium: Body 1750 MHz

Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.502$  mho/m;  $\epsilon_r = 52.381$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.7°C      Liquid Temperature: 22.2°C

Communication System: LTE Band4 Frequency: 1732.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3846 ConvF(7.63, 7.63, 7.63)

**Front Middle/Area Scan (61x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.559 W/kg

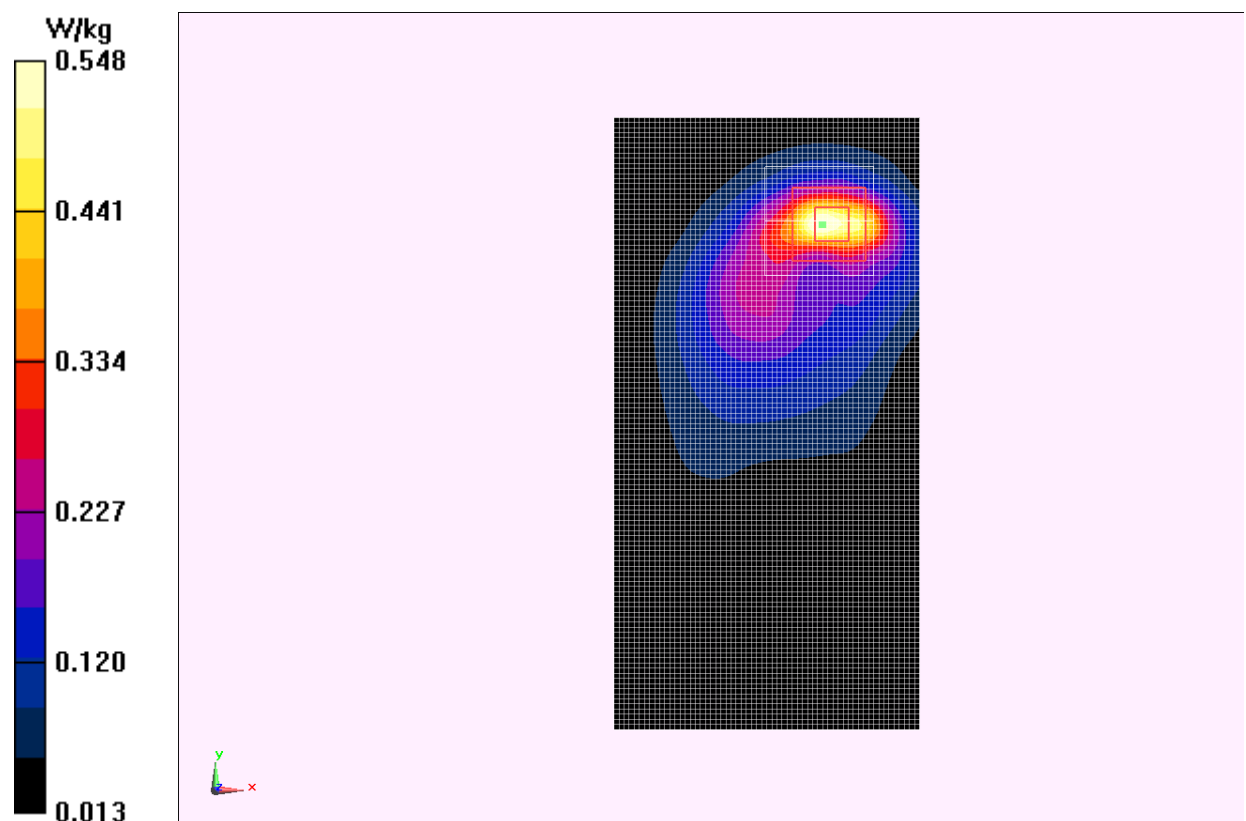
**Front Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.720 V/m; Power Drift = -0.15 dB

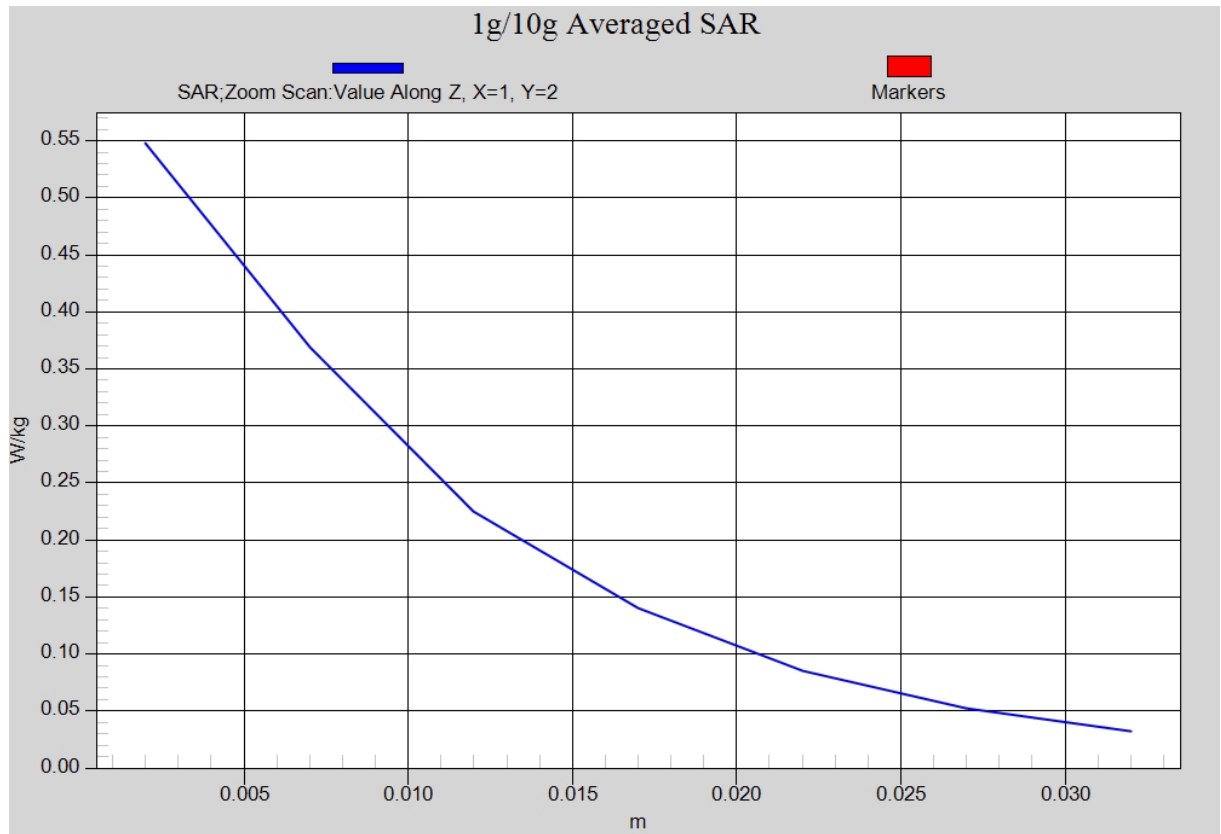
Peak SAR (extrapolated) = 0.668 W/kg

**SAR(1 g) = 0.427 W/kg; SAR(10 g) = 0.229 W/kg**

Maximum value of SAR (measured) = 0.548 W/kg



**Fig.18 LTE Band4 CH20175**



**Fig. 18-1 Z-Scan at power reference point (LTE Band4 CH20175)**

### LTE Band17 Left Cheek Low with QPSK\_10M\_1RB\_Middle

Date: 2013-9-18

Electronics: DAE4 Sn771

Medium: Head 750 MHz

Medium parameters used (interpolated):  $f = 709$  MHz;  $\sigma = 0.877$  mho/m;  $\epsilon_r = 42.809$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

Communication System: LTE Band17 Frequency: 709 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3846 ConvF(9.53, 9.53, 9.53)

**Cheek Low/Area Scan (61x111x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.202 W/kg

**Cheek Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.665 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.223 W/kg

**SAR(1 g) = 0.195 W/kg; SAR(10 g) = 0.159 W/kg**

Maximum value of SAR (measured) = 0.201 W/kg

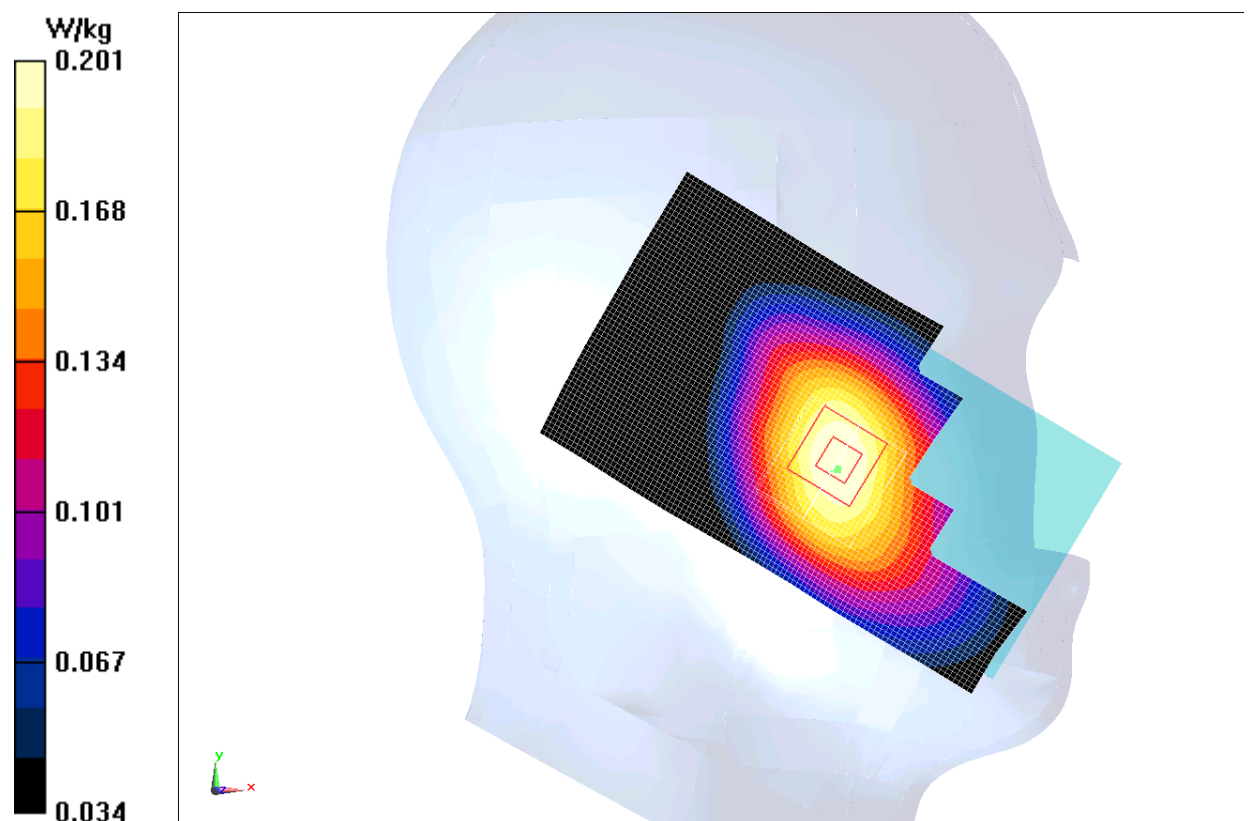
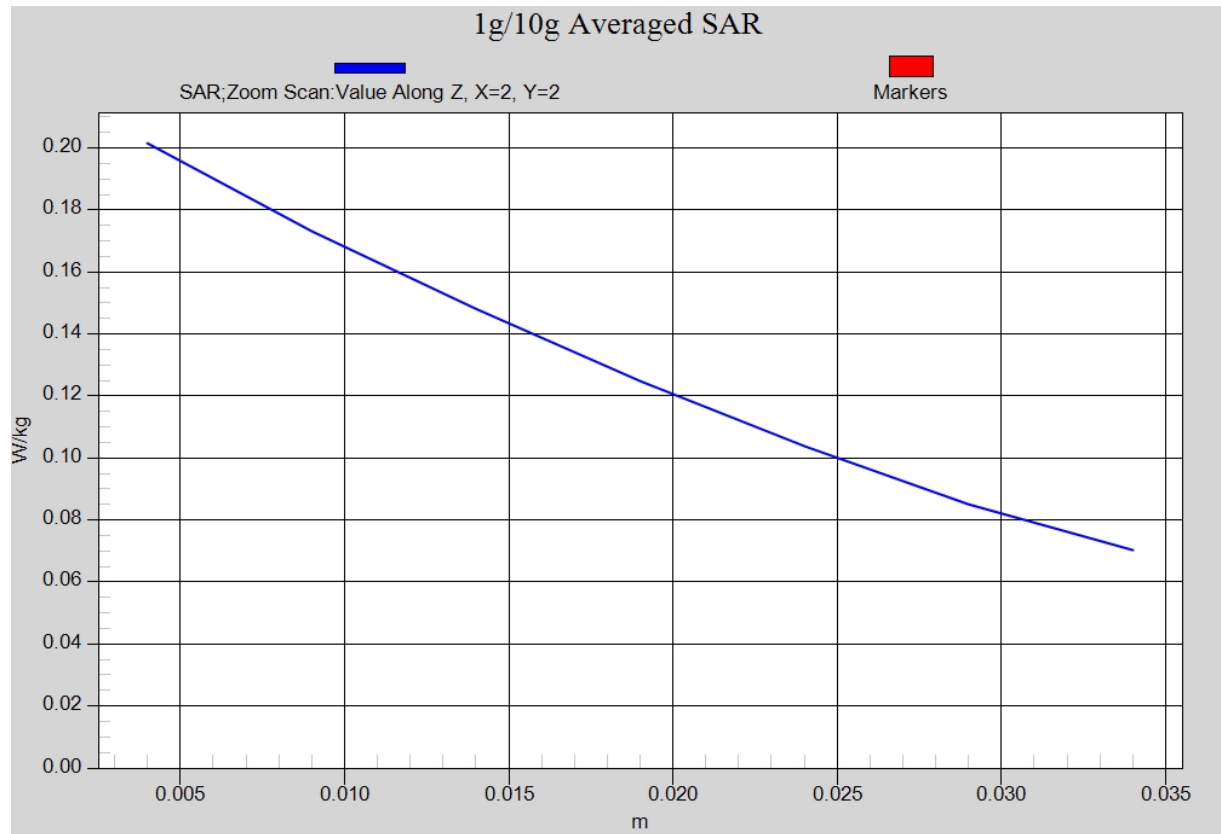


Fig.19 LTE Band17 CH23780



**Fig. 19-1 Z-Scan at power reference point (LTE Band17 CH23780)**

# **LTE Band17 Body Rear Low with QPSK\_10M\_1RB\_Middle – AP OFF**

Date: 2013-9-18

Electronics: DAE4 Sn771

Medium: Body 750 MHz

Medium parameters used (interpolated):  $f = 709$  MHz;  $\sigma = 0.953$  mho/m;  $\epsilon_r = 57.18$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

Communication System: LTE Band17 Frequency: 709 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3846 ConvF(9.28, 9.28, 9.28)

**Rear Low/Area Scan (61x111x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.317 W/kg

**Rear Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.878 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.361 W/kg

**SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.244 W/kg**

Maximum value of SAR (measured) = 0.318 W/kg

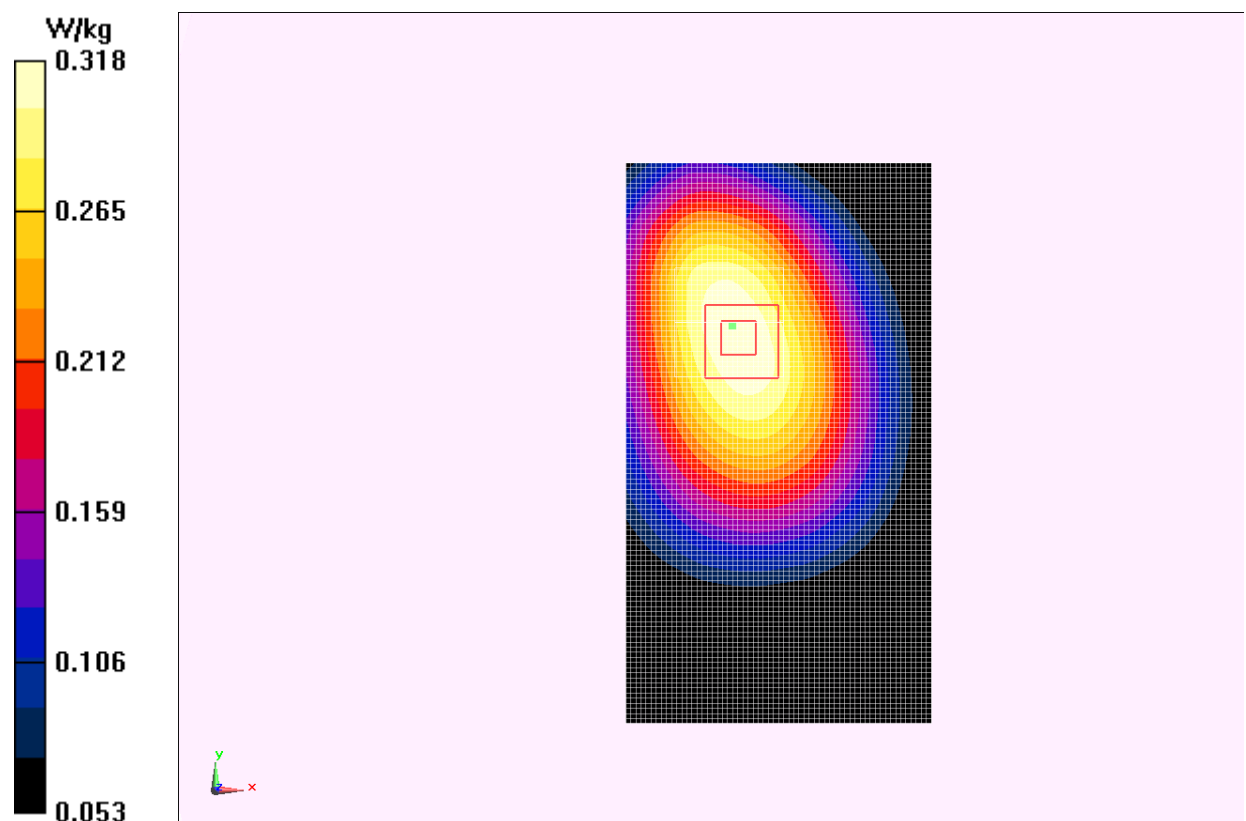
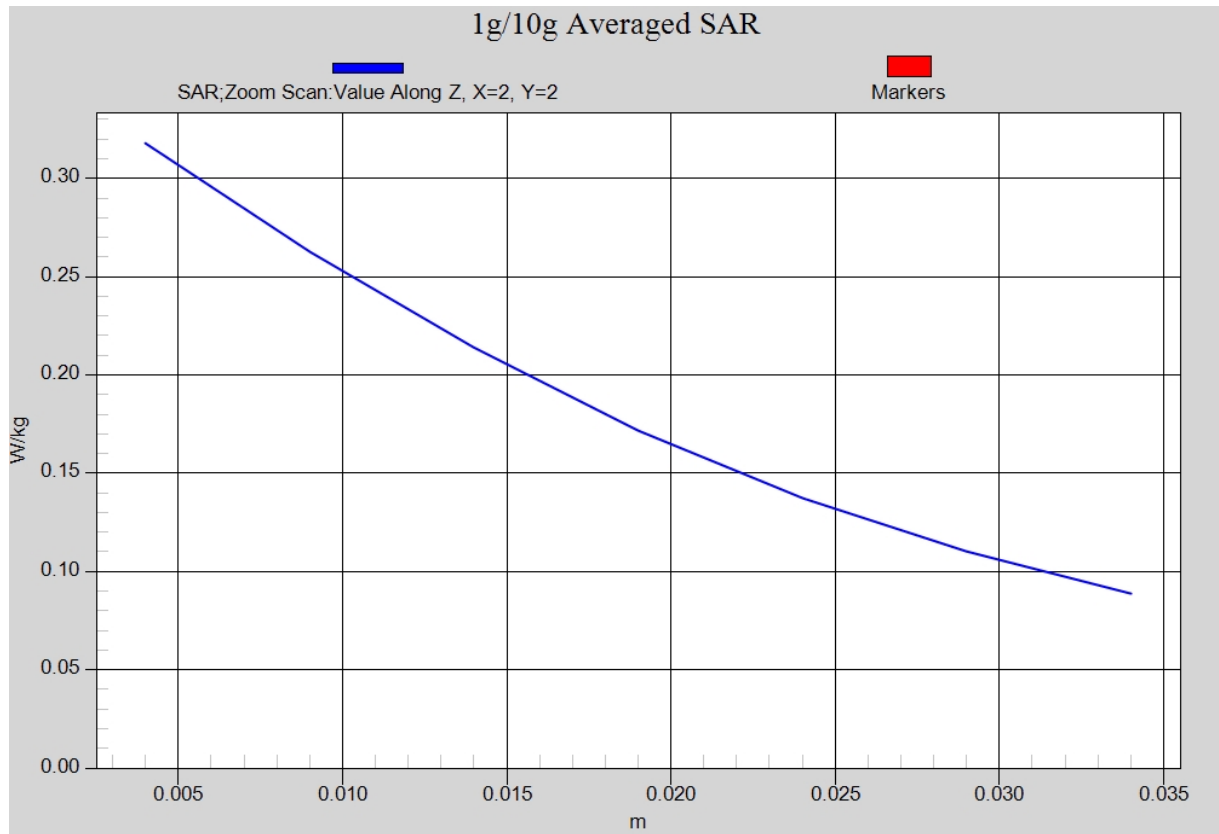


Fig.20 LTE Band17 CH23780



**Fig. 20-1 Z-Scan at power reference point (LTE Band17 CH23780)**