

<Second antenna>

**Table 13.21: SAR Values (LTE Band 7 - Head)**

| Ambient Temperature: 22.5°C |       |           |               |                   | Liquid Temperature: 22.0°C |                          |                         |                         |                 |
|-----------------------------|-------|-----------|---------------|-------------------|----------------------------|--------------------------|-------------------------|-------------------------|-----------------|
| Frequency                   |       | Test Mode | Test Position | Figure No. / Note | Conducted Power (dBm)      | Max. tune-up Power (dBm) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift(dB) |
| MHz                         | Ch.   |           |               |                   |                            |                          |                         |                         |                 |
| 2535                        | 21100 | 1RB_Mid   | Left Touch    | /                 | 12.24                      | 13                       | 0.230                   | <b>0.274</b>            | 0.01            |
| 2535                        | 21100 | 50RB_Mid  | Left Touch    | /                 | 11.96                      | 13                       | 0.231                   | <b>0.294</b>            | 0.18            |
| 2535                        | 21100 | 1RB_Mid   | Left Tilt     | /                 | 12.24                      | 13                       | 0.199                   | <b>0.237</b>            | 0.07            |
| 2535                        | 21100 | 50RB_Mid  | Left Tilt     | /                 | 11.96                      | 13                       | 0.181                   | <b>0.230</b>            | 0.08            |
| 2535                        | 21100 | 1RB_Mid   | Right Touch   | /                 | 12.24                      | 13                       | 0.554                   | <b>0.660</b>            | 0.06            |
| 2535                        | 21100 | 50RB_Mid  | Right Touch   | /                 | 11.96                      | 13                       | 0.513                   | <b>0.652</b>            | 0.07            |
| 2535                        | 21100 | 1RB_Mid   | Right Tilt    | /                 | 12.24                      | 13                       | 0.432                   | <b>0.515</b>            | 0.05            |
| 2535                        | 21100 | 50RB_Mid  | Right Tilt    | /                 | 11.96                      | 13                       | 0.419                   | <b>0.532</b>            | 0.04            |
| 2535                        | 21100 | 1RB_Mid   | Right Touch   | B2                | 12.24                      | 13                       | 0.550                   | <b>0.655</b>            | 0.01            |
| 2535                        | 21100 | 1RB_Mid   | Right Touch   | Fig.19/B3         | 12.24                      | 13                       | 0.602                   | <b>0.717</b>            | 0.02            |

**Table 13.22: SAR Values (LTE Band 7 - Body)**

| Ambient Temperature: 22.7°C |       |           |               |                   | Liquid Temperature: 22.2°C |                          |                         |                         |                 |
|-----------------------------|-------|-----------|---------------|-------------------|----------------------------|--------------------------|-------------------------|-------------------------|-----------------|
| Frequency                   |       | Test Mode | Test Position | Figure No. / Note | Conducted Power (dBm)      | Max. tune-up Power (dBm) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift(dB) |
| MHz                         | Ch.   |           |               |                   |                            |                          |                         |                         |                 |
| Hotspot Test Data (10mm)    |       |           |               |                   |                            |                          |                         |                         |                 |
| 2535                        | 21100 | 1RB_Mid   | Front         | /                 | 10.13                      | 11.4                     | 0.045                   | 0.060                   | 0.04            |
| 2535                        | 21100 | 50RB_Mid  | Front         | /                 | 9.88                       | 11.4                     | 0.064                   | 0.091                   | 0.06            |
| 2535                        | 21100 | 1RB_Mid   | Rear          | /                 | 10.13                      | 11.4                     | 0.045                   | 0.060                   | 0.02            |
| 2535                        | 21100 | 50RB_Mid  | Rear          | /                 | 9.88                       | 11.4                     | 0.044                   | 0.062                   | 0.02            |
| 2535                        | 21100 | 1RB_Mid   | Left          | /                 | 10.13                      | 11.4                     | 0.020                   | 0.027                   | 0.04            |
| 2535                        | 21100 | 50RB_Mid  | Left          | /                 | 9.88                       | 11.4                     | 0.053                   | 0.075                   | 0.02            |
| 2535                        | 21100 | 1RB_Mid   | Top           | /                 | 10.13                      | 11.4                     | 0.009                   | 0.012                   | 0.03            |
| 2535                        | 21100 | 50RB_Mid  | Top           | /                 | 9.88                       | 11.4                     | 0.009                   | 0.013                   | 0.07            |
| Body worn Test Data (15mm)  |       |           |               |                   |                            |                          |                         |                         |                 |
| 2535                        | 21100 | 1RB_Mid   | Front         | Fig.20            | 20.75                      | 21.5                     | 0.286                   | 0.340                   | 0.08            |
| 2535                        | 21100 | 50RB_Mid  | Front         | /                 | 20.13                      | 21.5                     | 0.248                   | 0.340                   | -0.06           |
| 2535                        | 21100 | 1RB_Mid   | Rear          | /                 | 20.75                      | 21.5                     | 0.261                   | 0.310                   | 0.05            |
| 2535                        | 21100 | 50RB_Mid  | Rear          | /                 | 20.13                      | 21.5                     | 0.221                   | 0.303                   | 0.08            |
| 2535                        | 21100 | 1RB_Mid   | Front         | B2                | 20.75                      | 21.5                     | 0.256                   | 0.304                   | 0.01            |
| 2535                        | 21100 | 1RB_Mid   | Front         | B3                | 20.13                      | 21.5                     | 0.260                   | 0.356                   | -0.10           |

<Main antenna>

**Table 13.23: SAR Values (LTE Band 41 - Head)**

| Ambient Temperature: 22.5°C |       |           |               |                      | Liquid Temperature: 22.0°C |                          |                         |                         |                 |
|-----------------------------|-------|-----------|---------------|----------------------|----------------------------|--------------------------|-------------------------|-------------------------|-----------------|
| Frequency                   |       | Test Mode | Test Position | Figure No.<br>/ Note | Conducted Power (dBm)      | Max. tune-up Power (dBm) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift(dB) |
| MHz                         | Ch.   |           |               |                      |                            |                          |                         |                         |                 |
| 2570                        | 40390 | 1RB_Mid   | Left Touch    | /                    | 22.62                      | 23                       | 0.041                   | <b>0.045</b>            | -0.06           |
| 2570                        | 40390 | 50RB_Mid  | Left Touch    | /                    | 21.36                      | 22.5                     | 0.028                   | <b>0.036</b>            | 0.02            |
| 2570                        | 40390 | 1RB_Mid   | Left Tilt     | /                    | 22.62                      | 23                       | 0.059                   | <b>0.064</b>            | 0.09            |
| 2570                        | 40390 | 50RB_Mid  | Left Tilt     | /                    | 21.36                      | 22.5                     | 0.040                   | <b>0.052</b>            | 0.04            |
| 2570                        | 40390 | 1RB_Mid   | Right Touch   | Fig.21               | 22.62                      | 23                       | 0.146                   | <b>0.159</b>            | 0.02            |
| 2570                        | 40390 | 50RB_Mid  | Right Touch   | /                    | 21.36                      | 22.5                     | 0.118                   | <b>0.153</b>            | 0.04            |
| 2570                        | 40390 | 1RB_Mid   | Right Tilt    | /                    | 22.62                      | 23                       | 0.067                   | <b>0.073</b>            | 0.05            |
| 2570                        | 40390 | 50RB_Mid  | Right Tilt    | /                    | 21.36                      | 22.5                     | 0.068                   | <b>0.088</b>            | 0.06            |
| 2570                        | 40390 | 1RB_Mid   | Right Touch   | B2                   | 22.62                      | 23                       | 0.093                   | <b>0.102</b>            | 0.06            |
| 2570                        | 40390 | 50RB_Mid  | Right Touch   | B3                   | 22.62                      | 23                       | 0.118                   | <b>0.129</b>            | 0.05            |

**Table 13.24: SAR Values (LTE Band 41 - Body)**

| Frequency                         |       | Ambient Temperature: 22.7°C |               | Liquid Temperature: 22.2°C |                       |                          |                         |                         |                 |
|-----------------------------------|-------|-----------------------------|---------------|----------------------------|-----------------------|--------------------------|-------------------------|-------------------------|-----------------|
| MHz                               | Ch.   | Test Mode                   | Test Position | Figure No. / Note          | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift(dB) |
| <b>Hotspot Test Data (10mm)</b>   |       |                             |               |                            |                       |                          |                         |                         |                 |
| 2570                              | 40390 | 1RB_Mid                     | Front         | /                          | 19.74                 | 20                       | 0.186                   | <b>0.197</b>            | -0.04           |
| 2570                              | 40390 | 50RB_Mid                    | Front         | /                          | 18.56                 | 19.5                     | 0.150                   | <b>0.186</b>            | -0.01           |
| 2570                              | 40390 | 1RB_Mid                     | Rear          | /                          | 19.74                 | 20                       | 0.223                   | <b>0.237</b>            | 0.02            |
| 2570                              | 40390 | 50RB_Mid                    | Rear          | /                          | 18.56                 | 19.5                     | 0.173                   | <b>0.215</b>            | 0.04            |
| 2570                              | 40390 | 1RB_Mid                     | Left          | /                          | 19.74                 | 20                       | 0.042                   | <b>0.045</b>            | 0.07            |
| 2570                              | 40390 | 50RB_Mid                    | Left          | /                          | 18.56                 | 19.5                     | 0.032                   | <b>0.040</b>            | -0.06           |
| 2570                              | 40390 | 1RB_Mid                     | Right         | /                          | 19.74                 | 20                       | 0.129                   | <b>0.137</b>            | -0.07           |
| 2570                              | 40390 | 50RB_Mid                    | Right         | /                          | 18.56                 | 19.5                     | 0.098                   | <b>0.122</b>            | -0.02           |
| 2570                              | 40390 | 1RB_Mid                     | Bottom        | /                          | 19.74                 | 20                       | 0.293                   | <b>0.311</b>            | -0.08           |
| 2570                              | 40390 | 50RB_Mid                    | Bottom        | /                          | 18.56                 | 19.5                     | 0.202                   | <b>0.251</b>            | -0.07           |
| 2570                              | 40390 | 1RB_Mid                     | Bottom        | B2                         | 19.74                 | 20                       | 0.230                   | <b>0.244</b>            | 0.08            |
| 2570                              | 40390 | 1RB_Mid                     | Bottom        | Fig.22/B3                  | 19.74                 | 20                       | 0.331                   | <b>0.351</b>            | 0.02            |
| <b>Body worn Test Data (15mm)</b> |       |                             |               |                            |                       |                          |                         |                         |                 |
| 2570                              | 40390 | 1RB_Mid                     | Front         | /                          | 19.74                 | 20                       | 0.079                   | <b>0.084</b>            | 0.03            |
| 2570                              | 40390 | 50RB_Mid                    | Front         | /                          | 18.56                 | 19.5                     | 0.072                   | <b>0.089</b>            | -0.01           |
| 2570                              | 40390 | 1RB_Mid                     | Rear          | /                          | 19.74                 | 20                       | 0.130                   | <b>0.138</b>            | -0.05           |
| 2570                              | 40390 | 50RB_Mid                    | Rear          | /                          | 18.56                 | 19.5                     | 0.088                   | <b>0.109</b>            | -0.09           |
| <b>Hotspot Test Data (17mm)</b>   |       |                             |               |                            |                       |                          |                         |                         |                 |
| 2570                              | 40390 | 1RB_Mid                     | Front         | /                          | 22.62                 | 23                       | 0.108                   | <b>0.118</b>            | -0.01           |
| 2570                              | 40390 | 50RB_Mid                    | Front         | /                          | 21.36                 | 22.5                     | 0.082                   | <b>0.107</b>            | -0.06           |
| 2570                              | 40390 | 1RB_Mid                     | Rear          | /                          | 22.62                 | 23                       | 0.170                   | <b>0.186</b>            | 0.09            |
| 2570                              | 40390 | 50RB_Mid                    | Rear          | /                          | 21.36                 | 22.5                     | 0.132                   | <b>0.172</b>            | 0.03            |
| 2570                              | 40390 | 1RB_Mid                     | Bottom        | /                          | 22.62                 | 23                       | 0.279                   | <b>0.305</b>            | -0.03           |
| 2570                              | 40390 | 50RB_Mid                    | Bottom        | /                          | 21.36                 | 22.5                     | 0.192                   | <b>0.250</b>            | -0.03           |
| <b>Body worn Test Data (17mm)</b> |       |                             |               |                            |                       |                          |                         |                         |                 |
| 2570                              | 40390 | 1RB_Mid                     | Front         | /                          | 22.62                 | 23                       | 0.096                   | <b>0.105</b>            | -0.07           |
| 2570                              | 40390 | 50RB_Mid                    | Front         | /                          | 21.36                 | 22.5                     | 0.088                   | <b>0.114</b>            | 0.06            |
| 2570                              | 40390 | 1RB_Mid                     | Rear          | /                          | 22.62                 | 23                       | 0.214                   | <b>0.234</b>            | 0.03            |
| 2570                              | 40390 | 50RB_Mid                    | Rear          | /                          | 21.36                 | 22.5                     | 0.153                   | <b>0.199</b>            | 0.03            |

<Second antenna>

**Table 13.25: SAR Values (LTE Band 41 - Head)**

| Ambient Temperature: 22.5°C |       |           |               |                   | Liquid Temperature: 22.0°C |                          |                         |                         |                 |
|-----------------------------|-------|-----------|---------------|-------------------|----------------------------|--------------------------|-------------------------|-------------------------|-----------------|
| Frequency                   |       | Test Mode | Test Position | Figure No. / Note | Conducted Power (dBm)      | Max. tune-up Power (dBm) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift(dB) |
| MHz                         | Ch.   |           |               |                   |                            |                          |                         |                         |                 |
| 2570                        | 40390 | 1RB_Mid   | Left Touch    | /                 | 14.70                      | 15.5                     | 0.207                   | <b>0.249</b>            | 0.05            |
| 2570                        | 40390 | 50RB_Mid  | Left Touch    | /                 | 14.58                      | 15.5                     | 0.200                   | <b>0.247</b>            | 0.05            |
| 2570                        | 40390 | 1RB_Mid   | Left Tilt     | /                 | 14.70                      | 15.5                     | 0.157                   | <b>0.189</b>            | 0.05            |
| 2570                        | 40390 | 50RB_Mid  | Left Tilt     | /                 | 14.58                      | 15.5                     | 0.155                   | <b>0.192</b>            | 0.02            |
| 2570                        | 40390 | 1RB_Mid   | Right Touch   | /                 | 14.70                      | 15.5                     | 0.440                   | <b>0.529</b>            | 0.04            |
| 2570                        | 40390 | 50RB_Mid  | Right Touch   | /                 | 14.58                      | 15.5                     | 0.410                   | <b>0.507</b>            | 0.03            |
| 2570                        | 40390 | 1RB_Mid   | Right Tilt    | /                 | 14.70                      | 15.5                     | 0.340                   | <b>0.409</b>            | 0.12            |
| 2570                        | 40390 | 50RB_Mid  | Right Tilt    | /                 | 14.58                      | 15.5                     | 0.335                   | <b>0.414</b>            | 0.03            |
| 2570                        | 40390 | 1RB_Mid   | Right Touch   | Fig.23/B2         | 14.70                      | 15.5                     | 0.483                   | <b>0.581</b>            | 0.03            |
| 2570                        | 40390 | 1RB_Mid   | Right Touch   | B3                | 14.70                      | 15.5                     | 0.476                   | <b>0.572</b>            | -0.10           |

**Table 13.26: SAR Values (LTE Band 41 - Body)**

| Ambient Temperature: 22.7°C |       |           |               |                   | Liquid Temperature: 22.2°C |                          |                         |                         |                 |
|-----------------------------|-------|-----------|---------------|-------------------|----------------------------|--------------------------|-------------------------|-------------------------|-----------------|
| Frequency                   |       | Test Mode | Test Position | Figure No. / Note | Conducted Power (dBm)      | Max. tune-up Power (dBm) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift(dB) |
| MHz                         | Ch.   |           |               |                   |                            |                          |                         |                         |                 |
| Hotspot Test Data (10mm)    |       |           |               |                   |                            |                          |                         |                         |                 |
| 2570                        | 40390 | 1RB_Mid   | Front         | /                 | 12.94                      | 13.5                     | 0.065                   | 0.074                   | 0.09            |
| 2570                        | 40390 | 50RB_Mid  | Front         | /                 | 12.76                      | 13.5                     | 0.044                   | 0.052                   | -0.06           |
| 2570                        | 40390 | 1RB_Mid   | Rear          | /                 | 12.94                      | 13.5                     | 0.070                   | 0.080                   | 0.06            |
| 2570                        | 40390 | 50RB_Mid  | Rear          | /                 | 12.76                      | 13.5                     | 0.043                   | 0.051                   | 0.08            |
| 2570                        | 40390 | 1RB_Mid   | Left          | /                 | 12.94                      | 13.5                     | 0.048                   | 0.055                   | 0.04            |
| 2570                        | 40390 | 50RB_Mid  | Left          | /                 | 12.76                      | 13.5                     | 0.025                   | 0.030                   | 0.03            |
| 2570                        | 40390 | 1RB_Mid   | Top           | /                 | 12.94                      | 13.5                     | 0.035                   | 0.040                   | -0.09           |
| 2570                        | 40390 | 50RB_Mid  | Top           | /                 | 12.76                      | 13.5                     | 0.030                   | 0.036                   | -0.01           |
| Body worn Test Data (15mm)  |       |           |               |                   |                            |                          |                         |                         |                 |
| 2570                        | 40390 | 1RB_Mid   | Front         | /                 | 20.34                      | 21                       | 0.113                   | 0.132                   | -0.02           |
| 2570                        | 40390 | 50RB_Mid  | Front         | /                 | 20.25                      | 21                       | 0.111                   | 0.132                   | -0.04           |
| 2570                        | 40390 | 1RB_Mid   | Rear          | /                 | 20.34                      | 21                       | 0.125                   | 0.146                   | -0.04           |
| 2570                        | 40390 | 50RB_Mid  | Rear          | /                 | 20.25                      | 21                       | 0.122                   | 0.145                   | -0.01           |
| 2570                        | 40390 | 1RB_Mid   | Rear          | Fig.24/B2         | 20.34                      | 21                       | 0.138                   | 0.161                   | 0.06            |
| 2570                        | 40390 | 1RB_Mid   | Rear          | B3                | 20.25                      | 21                       | 0.100                   | 0.119                   | 0.07            |

**Table 13.27: SAR Values (BT - Head)**

| Ambient Temperature: 22.2°C |     |               |               |                   | Liquid Temperature: 21.7°C |                          |                         |                         |                 |
|-----------------------------|-----|---------------|---------------|-------------------|----------------------------|--------------------------|-------------------------|-------------------------|-----------------|
| Frequency                   |     | Test Mode     | Test Position | Figure No. / Note | Conducted Power (dBm)      | Max. tune-up Power (dBm) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift(dB) |
| MHz                         | Ch. |               |               |                   |                            |                          |                         |                         |                 |
| 2480                        | 78  | EDR2M-4_DQPSK | Left Touch    | /                 | 7.93                       | 10.5                     | 0.015                   | <b>0.027</b>            | 0.05            |
| 2480                        | 78  | EDR2M-4_DQPSK | Left Tilt     | /                 | 7.93                       | 10.5                     | 0.020                   | <b>0.036</b>            | 0.06            |
| 2480                        | 78  | EDR2M-4_DQPSK | Right Touch   | /                 | 7.93                       | 10.5                     | 0.005                   | <b>0.009</b>            | 0.09            |
| 2480                        | 78  | EDR2M-4_DQPSK | Right Tilt    | /                 | 7.93                       | 10.5                     | 0.001                   | <b>0.002</b>            | 0.00            |
| 2480                        | 78  | EDR2M-4_DQPSK | Left Tilt     | B2                | 7.93                       | 10.5                     | 0.022                   | <b>0.040</b>            | -0.03           |
| 2480                        | 78  | EDR2M-4_DQPSK | Left Tilt     | Fig.25/B3         | 7.93                       | 10.5                     | 0.023                   | <b>0.042</b>            | -0.07           |

**Table 13.28: SAR Values (Second antenna )**  
**- The worst case with SIM2**

| Ambient Temperature: 22.6°C |       |           |               |      | Liquid Temperature: 22.1°C |                          |                         |                         |                 |
|-----------------------------|-------|-----------|---------------|------|----------------------------|--------------------------|-------------------------|-------------------------|-----------------|
| LTE Band 5                  |       |           |               |      |                            |                          |                         |                         |                 |
| Frequency                   |       | Test Mode | Test Position | Note | Conducted Power (dBm)      | Max. tune-up Power (dBm) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift(dB) |
| MHz                         | Ch.   |           |               |      |                            |                          |                         |                         |                 |
| 836.5                       | 20525 | 1RB_Mid   | Right Touch   | SIM1 | 18.09                      | 19                       | 0.640                   | 0.789                   | -0.03           |
| 836.5                       | 20525 | 1RB_Mid   | Right Touch   | SIM2 | 18.09                      | 19                       | 0.624                   | 0.769                   | -0.08           |

### 13.2 WLAN Evaluation for 2.4G

According to the KDB248227 D01, SAR is measured for 2.4GHz 802.11b DSSS using the initial test position procedure.

#### Head Evaluation

**Table 13.29: SAR Values (WLAN - Head)–802.11b 1Mbps**

| Ambient Temperature: 22.2°C |     |           |               |                   | Liquid Temperature: 21.7°C |                          |                         |                         |                 |
|-----------------------------|-----|-----------|---------------|-------------------|----------------------------|--------------------------|-------------------------|-------------------------|-----------------|
| Frequency                   |     | Test Mode | Test Position | Figure No. / Note | Conducted Power (dBm)      | Max. tune-up Power (dBm) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift(dB) |
| MHz                         | Ch. |           |               |                   |                            |                          |                         |                         |                 |
| 2437                        | 6   | 802.11 b  | Left Touch    | /                 | 9.45                       | 11                       | 0.295                   | <b>0.422</b>            | 0.04            |
| 2437                        | 6   | 802.11 b  | Left Tilt     | /                 | 9.45                       | 11                       | 0.227                   | <b>0.324</b>            | 0.03            |
| 2437                        | 6   | 802.11 b  | Right Touch   | /                 | 9.45                       | 11                       | 0.167                   | <b>0.239</b>            | 0.04            |
| 2437                        | 6   | 802.11 b  | Right Tilt    | /                 | 9.45                       | 11                       | 0.234                   | <b>0.334</b>            | 0.04            |
| 2437                        | 6   | 802.11 b  | Left Touch    | B2                | 9.45                       | 11                       | 0.258                   | <b>0.369</b>            | -0.04           |
| 2437                        | 6   | 802.11 b  | Left Touch    | Fig.26/B3         | 9.45                       | 11                       | <b>0.393</b>            | <b>0.562</b>            | 0.05            |

Note1: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel until the reported SAR is  $\leq$  1.2 W/kg or all required channels are tested.

According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit. A maximum transmission duty factor of 99.33% is achievable for WLAN in this project and the scaled reported SAR is presented as below.

**Table 13.30: SAR Values (WLAN - Head) – 802.11b 1Mbps (Scaled Reported SAR)**

| Ambient Temperature: 22.2°C |     |               |                    | Liquid Temperature: 21.7°C |                         |                                |
|-----------------------------|-----|---------------|--------------------|----------------------------|-------------------------|--------------------------------|
| Frequency                   |     | Test Position | Actual duty factor | Maximum duty factor        | Reported SAR (1g)(W/kg) | Scaled reported SAR (1g)(W/kg) |
| MHz                         | Ch. |               |                    |                            |                         |                                |
| 2437                        | 6   | Left Touch    | 99.33%             | 100%                       | 0.562                   | <b>0.566</b>                   |
| 2437                        | 6   | Right Touch   | 99.33%             | 100%                       | 0.239                   | <b>0.241</b>                   |

SAR is not required for OFDM because the 802.11b adjusted SAR  $\leq$  1.2 W/kg.

## Body Evaluation

**Table 13.31: SAR Values (WLAN - Body)– 802.11b 1Mbps**

| Ambient Temperature: 22.2°C |     |           |               |                      | Liquid Temperature: 21.7°C |                          |                         |                         |                 |
|-----------------------------|-----|-----------|---------------|----------------------|----------------------------|--------------------------|-------------------------|-------------------------|-----------------|
| Frequency                   |     | Test Mode | Test Position | Figure No.<br>/ Note | Conducted Power (dBm)      | Max. tune-up Power (dBm) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift(dB) |
| MHz                         | Ch. |           |               |                      |                            |                          |                         |                         |                 |
| Hotspot Test Data (10mm)    |     |           |               |                      |                            |                          |                         |                         |                 |
| 2412                        | 1   | 802.11 b  | Front         | /                    | 16.47                      | 17.5                     | 0.100                   | <b>0.127</b>            | 0.02            |
| 2412                        | 1   | 802.11 b  | Rear          | /                    | 16.47                      | 17.5                     | 0.081                   | <b>0.103</b>            | 0.07            |
| 2412                        | 1   | 802.11 b  | Right         | /                    | 16.47                      | 17.5                     | 0.035                   | <b>0.044</b>            | 0.06            |
| 2412                        | 1   | 802.11 b  | Top           | /                    | 16.47                      | 17.5                     | 0.105                   | <b>0.133</b>            | -0.08           |
| 2412                        | 1   | 802.11 b  | Top           | /                    | 16.47                      | 17.5                     | 0.096                   | <b>0.122</b>            | 0.09            |
| 2412                        | 1   | 802.11 b  | Top           | Fig.27/B3            | 16.47                      | 17.5                     | 0.108                   | <b>0.137</b>            | -0.03           |
| Body worn Test Data (15mm)  |     |           |               |                      |                            |                          |                         |                         |                 |
| 2412                        | 1   | 802.11 b  | Front         | /                    | 16.47                      | 17.5                     | 0.055                   | <b>0.070</b>            | 0.06            |
| 2412                        | 1   | 802.11 b  | Rear          | /                    | 16.47                      | 17.5                     | 0.048                   | <b>0.061</b>            | 0.06            |

Note1: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel until the reported SAR is  $\leq$  1.2 W/kg or all required channels are tested.

According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit. A maximum transmission duty factor of 99.33% is achievable for WLAN in this project and the scaled reported SAR is presented as below.

**Table 13.32: SAR Values (WLAN - Body) – 802.11b 1Mbps (Scaled Reported SAR)**

| Ambient Temperature: 22.2°C |     |               |                    | Liquid Temperature: 21.7°C |                         |                                |
|-----------------------------|-----|---------------|--------------------|----------------------------|-------------------------|--------------------------------|
| Frequency                   |     | Test Position | Actual duty factor | maximum duty factor        | Reported SAR (1g)(W/kg) | Scaled reported SAR (1g)(W/kg) |
| MHz                         | Ch. |               |                    |                            |                         |                                |
| Hotspot Test Data (10mm)    |     |               |                    |                            |                         |                                |
| 2412                        | 1   | Rear          | 99.33%             | 100%                       | 0.103                   | 0.104                          |
| 2412                        | 1   | Top           | 99.33%             | 100%                       | 0.137                   | 0.138                          |
| Body worn Test Data (15mm)  |     |               |                    |                            |                         |                                |
| 2412                        | 1   | Rear          | 99.33%             | 100%                       | 0.061                   | 0.061                          |

SAR is not required for OFDM because the 802.11b adjusted SAR  $\leq$  1.2 W/kg.

## 14 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 ( $\sim 10\%$  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  $> 1.20$ .

## 15 Measurement Uncertainty

### 15.1 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                                          | 12                | N                     | 2          | 1       | 1        | 6.0            | 6.0             | ∞                 |
| 2                                                  | Isotropy                                        | B                                          | 7.4               | R                     | $\sqrt{3}$ | 1       | 1        | 4.3            | 4.3             | ∞                 |
| 3                                                  | Boundary effect                                 | B                                          | 1.1               | R                     | $\sqrt{3}$ | 1       | 1        | 0.6            | 0.6             | ∞                 |
| 4                                                  | Linearity                                       | B                                          | 4.7               | R                     | $\sqrt{3}$ | 1       | 1        | 2.7            | 2.7             | ∞                 |
| 5                                                  | Detection limit                                 | B                                          | 1.0               | R                     | $\sqrt{3}$ | 1       | 1        | 0.6            | 0.6             | ∞                 |
| 6                                                  | Readout electronics                             | B                                          | 1.0               | N                     | 1          | 1       | 1        | 1.0            | 1.0             | ∞                 |
| 7                                                  | Response time                                   | B                                          | 0.0               | R                     | $\sqrt{3}$ | 1       | 1        | 0.0            | 0.0             | ∞                 |
| 8                                                  | Integration time                                | B                                          | 1.7               | R                     | $\sqrt{3}$ | 1       | 1        | 1.0            | 1.0             | ∞                 |
| 9                                                  | RF ambient conditions-noise                     | B                                          | 3.0               | R                     | $\sqrt{3}$ | 1       | 1        | 1.7            | 1.7             | ∞                 |
| 10                                                 | RF ambient conditions-reflection                | B                                          | 3.0               | R                     | $\sqrt{3}$ | 1       | 1        | 1.7            | 1.7             | ∞                 |
| 11                                                 | Probe positioned mech. restrictions             | B                                          | 0.35              | R                     | $\sqrt{3}$ | 1       | 1        | 0.2            | 0.2             | ∞                 |
| 12                                                 | Probe positioning with respect to phantom shell | B                                          | 2.9               | R                     | $\sqrt{3}$ | 1       | 1        | 1.7            | 1.7             | ∞                 |
| 13                                                 | Post-processing                                 | B                                          | 1.0               | R                     | $\sqrt{3}$ | 1       | 1        | 0.6            | 0.6             | ∞                 |
| <b>Test sample related</b>                         |                                                 |                                            |                   |                       |            |         |          |                |                 |                   |
| 14                                                 | Test sample positioning                         | A                                          | 3.3               | N                     | 1          | 1       | 1        | 3.3            | 3.3             | 5                 |
| 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             | ∞                 |
| <b>Phantom and set-up</b>                          |                                                 |                                            |                   |                       |            |         |          |                |                 |                   |
| 17                                                 | Phantom uncertainty                             | B                                          | 1.0               | R                     | $\sqrt{3}$ | 1       | 1        | 0.6            | 0.6             | ∞                 |
| 18                                                 | Liquid conductivity (target)                    | B                                          | 5.0               | R                     | $\sqrt{3}$ | 0.64    | 0.43     | 1.8            | 1.2             | ∞                 |
| 19                                                 | Liquid conductivity (meas.)                     | A                                          | 1.3               | N                     | 1          | 0.64    | 0.43     | 0.83           | 0.56            | 9                 |
| 20                                                 | Liquid permittivity (target)                    | B                                          | 5.0               | R                     | $\sqrt{3}$ | 0.6     | 0.49     | 1.7            | 1.4             | ∞                 |
| 21                                                 | Liquid permittivity (meas.)                     | A                                          | 1.6               | N                     | 1          | 0.6     | 0.49     | 0.96           | 0.78            | 9                 |
| Combined standard uncertainty                      |                                                 | $u_c = \sqrt{\sum_{i=1}^{21} c_i^2 u_i^2}$ |                   |                       |            |         |          | 10.4           | 10.3            | 95.5              |
| Expanded uncertainty (Confidence interval of 95 %) |                                                 | $u_e = 2u_c$                               |                   |                       |            |         |          | 20.8           | 20.6            |                   |

## 15.2 Measurement Uncertainty for Fast 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                                           | 12                | N                     | 2          | 1       | 1        | 6.0            | 6.0             | $\infty$          |
| 2                                                  | Isotropy                                        | B                                           | 7.4               | R                     | $\sqrt{3}$ | 1       | 1        | 4.3            | 4.3             | $\infty$          |
| 3                                                  | Boundary effect                                 | B                                           | 1.1               | 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                                           | 1.0               | N                     | 1          | 1       | 1        | 1.0            | 1.0             | $\infty$          |
| 7                                                  | Response time                                   | B                                           | 0.0               | R                     | $\sqrt{3}$ | 1       | 1        | 0.0            | 0.0             | $\infty$          |
| 8                                                  | Integration time                                | B                                           | 1.7               | R                     | $\sqrt{3}$ | 1       | 1        | 1.0            | 1.0             | $\infty$          |
| 9                                                  | RF ambient conditions-noise                     | B                                           | 3.0               | R                     | $\sqrt{3}$ | 1       | 1        | 1.7            | 1.7             | $\infty$          |
| 10                                                 | RF ambient conditions-reflection                | B                                           | 3.0               | R                     | $\sqrt{3}$ | 1       | 1        | 1.7            | 1.7             | $\infty$          |
| 11                                                 | Probe positioned mech. Restrictions             | B                                           | 0.35              | 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             | $\infty$          |
| 14                                                 | Fast SAR z-Approximation                        | B                                           | 7.0               | R                     | $\sqrt{3}$ | 1       | 1        | 4.0            | 4.0             | $\infty$          |
| <b>Test sample related</b>                         |                                                 |                                             |                   |                       |            |         |          |                |                 |                   |
| 15                                                 | Test sample positioning                         | A                                           | 3.3               | N                     | 1          | 1       | 1        | 3.3            | 3.3             | 5                 |
| 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                                           | 1.0               | R                     | $\sqrt{3}$ | 1       | 1        | 0.6            | 0.6             | $\infty$          |
| 19                                                 | Liquid conductivity (target)                    | B                                           | 5.0               | R                     | $\sqrt{3}$ | 0.64    | 0.43     | 1.8            | 1.2             | $\infty$          |
| 20                                                 | Liquid conductivity (meas.)                     | A                                           | 1.3               | N                     | 1          | 0.64    | 0.43     | 0.83           | 0.56            | 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     | 0.96           | 0.78            | 521               |
| Combined standard uncertainty                      |                                                 | $u'_c = \sqrt{\sum_{i=1}^{22} c_i^2 u_i^2}$ |                   |                       |            |         |          | 11.1           | 11.0            | 257               |
| Expanded uncertainty (Confidence interval of 95 %) |                                                 | $u_e = 2u_c$                                |                   |                       |            |         |          | 22.2           | 22.0            |                   |

## 16 MAIN TEST INSTRUMENTS

**Table 16.1: List of Main Instruments**

| No. | Name                         | Type            | Serial Number | Calibration Date | Valid Period |
|-----|------------------------------|-----------------|---------------|------------------|--------------|
| 01  | Network analyzer             | Agilent E5071C  | MY46103759    | 2017-11-17       | One year     |
| 02  | Dielectric probe             | 85070E          | MY44300317    | /                |              |
| 03  | Power meter                  | NRP             | 102603        | 2017-01-06       | One year     |
| 04  | Power sensor                 | NRP-Z51         | 102211        |                  |              |
| 05  | Power meter                  | NRP             | 101460        | 2017-02-06       | One year     |
| 06  | Power sensor                 | NRP-Z91         | 100553        |                  |              |
| 07  | Signal Generator             | E8257D          | MY47461211    | 2017-06-06       | One year     |
| 08  | Amplifier                    | VTL5400         | 0404          | /                |              |
| 09  | DAE                          | SPEAG DAE4      | 786           | 2017-11-22       | One year     |
| 10  | E-field Probe                | SPEAG EX3DV4    | 3633          | 2017-01-23       | One year     |
| 11  | Dipole Validation Kit        | SPEAG D835V2    | 4d057         | 2015-10-22       | Three year   |
| 12  | Dipole Validation Kit        | SPEAG D1900V2   | 5d088         | 2015-11-04       | Three year   |
| 13  | Dipole Validation Kit        | SPEAG D2450V2   | 873           | 2015-10-30       | Three year   |
| 14  | Dipole Validation Kit        | SPEAG D2550V2   | 1010          | 2015-07-24       | Three year   |
| 15  | BTS                          | E5515C          | GB47460389    | 2017-01-06       | One year     |
| 16  | Radio Communication Analyzer | Anristu MT8820C | 6201563767    | 2017-01-06       | One year     |

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

## ANNEX A Graph Results

### GSM850 Head – Main antenna

Date: 2017-12-12

Electronics: DAE4 Sn786

Medium: Head 835 MHz

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.927$  S/m;  $\epsilon_r = 40.831$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: UID 0, GSM (0) Frequency: 848.8 MHz Duty Cycle: 1:8.3

Probe: EX3DV4 - SN3633 ConvF (9.04, 9.04, 9.04);

**Right Cheek Mid/Area Scan (61x111x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
Maximum value of SAR (interpolated) = 0.169 W/kg

**Right Cheek Mid/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 8.057 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.192 W/kg

**SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.118 W/kg**

Maximum value of SAR (measured) = 0.162 W/kg

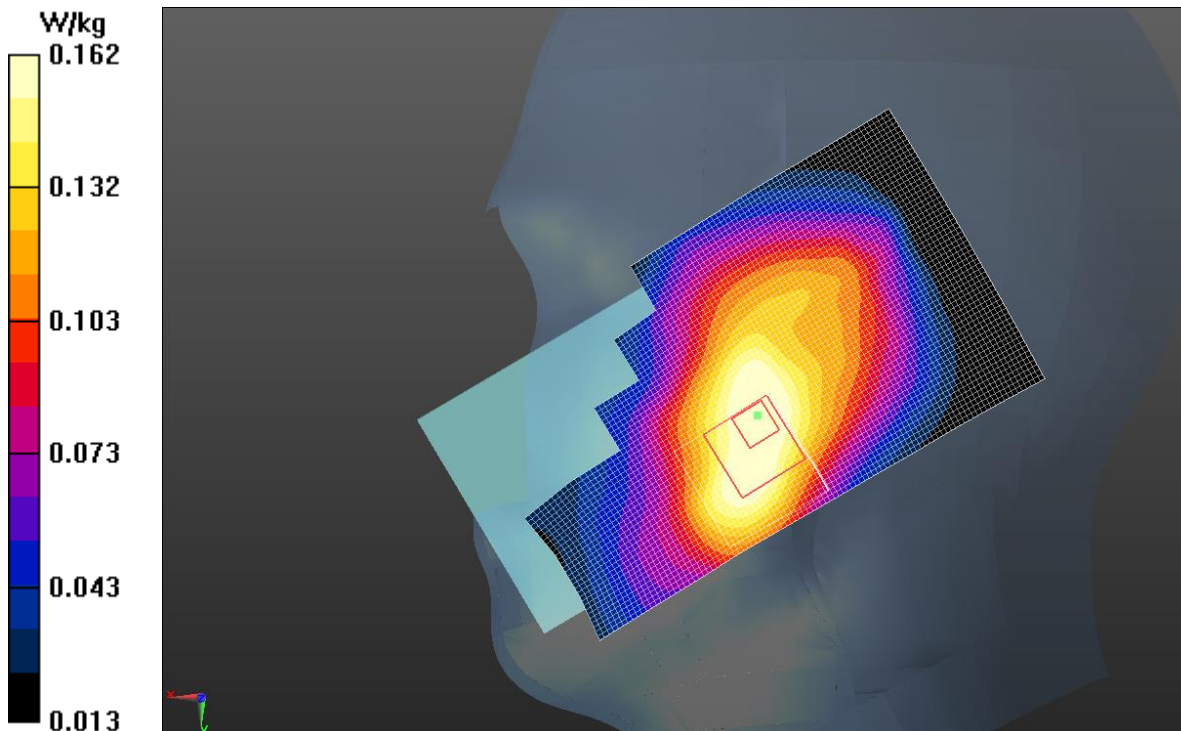


Fig.1 GSM 850MHz

**GSM850 Body – Main antenna**

Date: 2017-12-13

Electronics: DAE4 Sn786

Medium: Body 835 MHz

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.99$  S/m;  $\epsilon_r = 53.671$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: UID 0, GPRS 1 Txslot (0) Frequency: 836.6 MHz Duty Cycle: 1:8.3

Probe: EX3DV4 - SN3633 ConvF (9.41, 9.41, 9.41);

**Rear Side Mid/Area Scan (111x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.298 W/kg

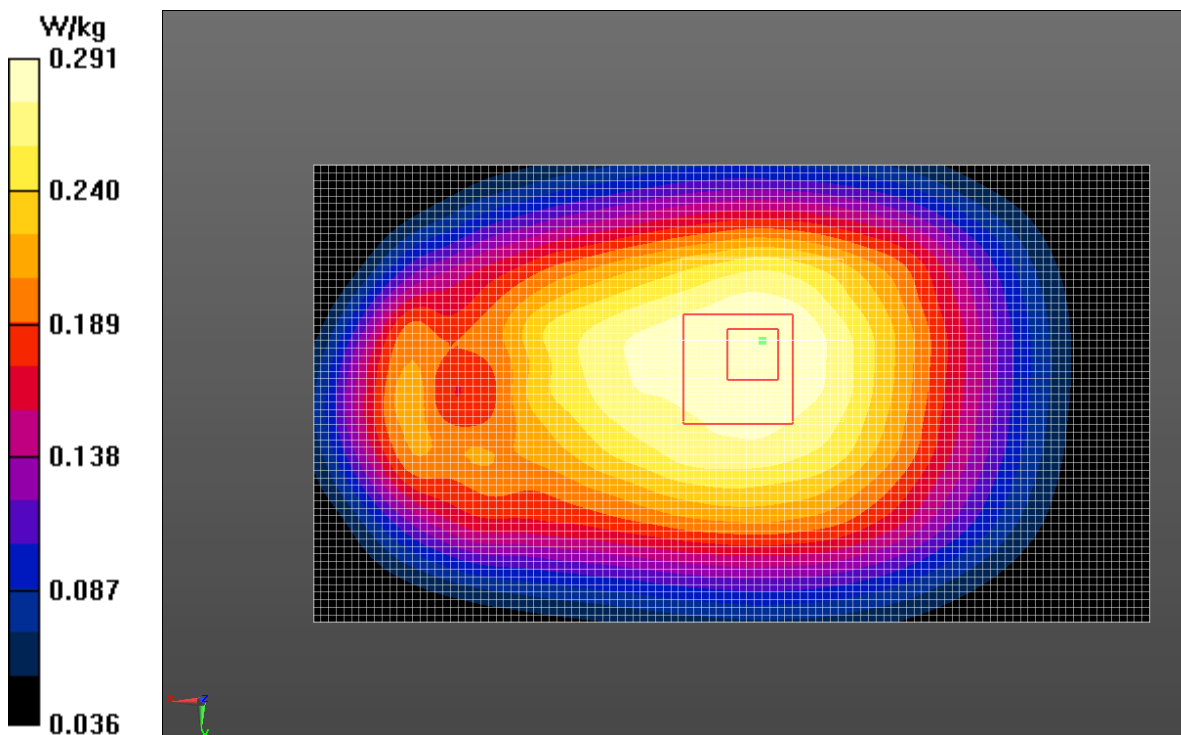
**DS-1aa/Rear Side Middle-0/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.94 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.349 W/kg

**SAR(1 g) = 0.278 W/kg; SAR(10 g) = 0.215 W/kg**

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



**Fig.2 GSM 850 MHz**

**GSM850 Head – Second antenna**

Date: 2017-12-12

Electronics: DAE4 Sn786

Medium: Head 835 MHz

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.927$  S/m;  $\epsilon_r = 40.831$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.0°C      Liquid Temperature: 21.5°C

Communication System: UID 0, GSM (0) Frequency: 836.6 MHz Duty Cycle: 1:8.3

Probe: EX3DV4 - SN3633 ConvF (9.04, 9.04, 9.04);

**Right Cheek Mid/Area Scan (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.575 W/kg

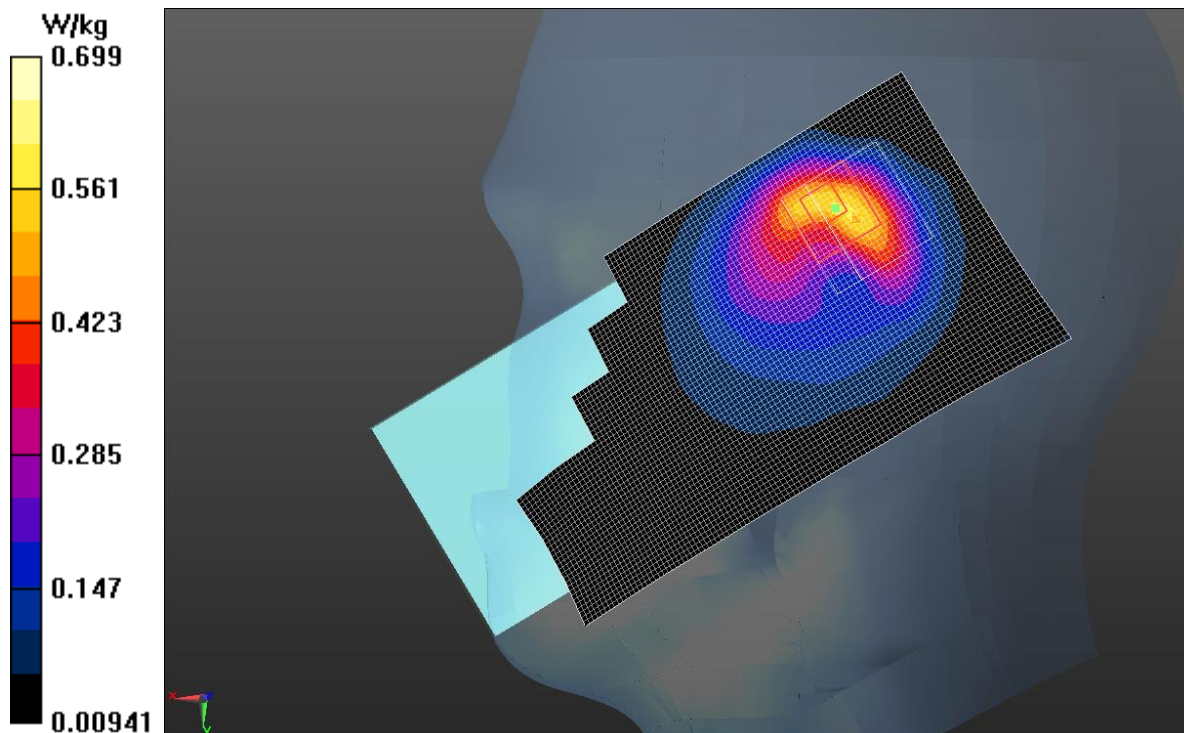
**Right Cheek Mid/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.45 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.48 W/kg

**SAR(1 g) = 0.593 W/kg; SAR(10 g) = 0.279 W/kg**

Maximum value of SAR (measured) = 0.699 W/kg



**Fig.3 GSM 850 MHz**

**GSM850 Body – Second antenna**

Date: 2017-12-13

Electronics: DAE4 Sn786

Medium: Body 835 MHz

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.99$  S/m;  $\epsilon_r = 53.671$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.0°C      Liquid Temperature: 21.5°C

Communication System: UID 0, GPRS 1 Txslot (0) Frequency: 836.6 MHz Duty Cycle: 1:8.3

Probe: EX3DV4 - SN3633 ConvF (9.41, 9.41, 9.41);

**Rear Side Mid/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.158 W/kg

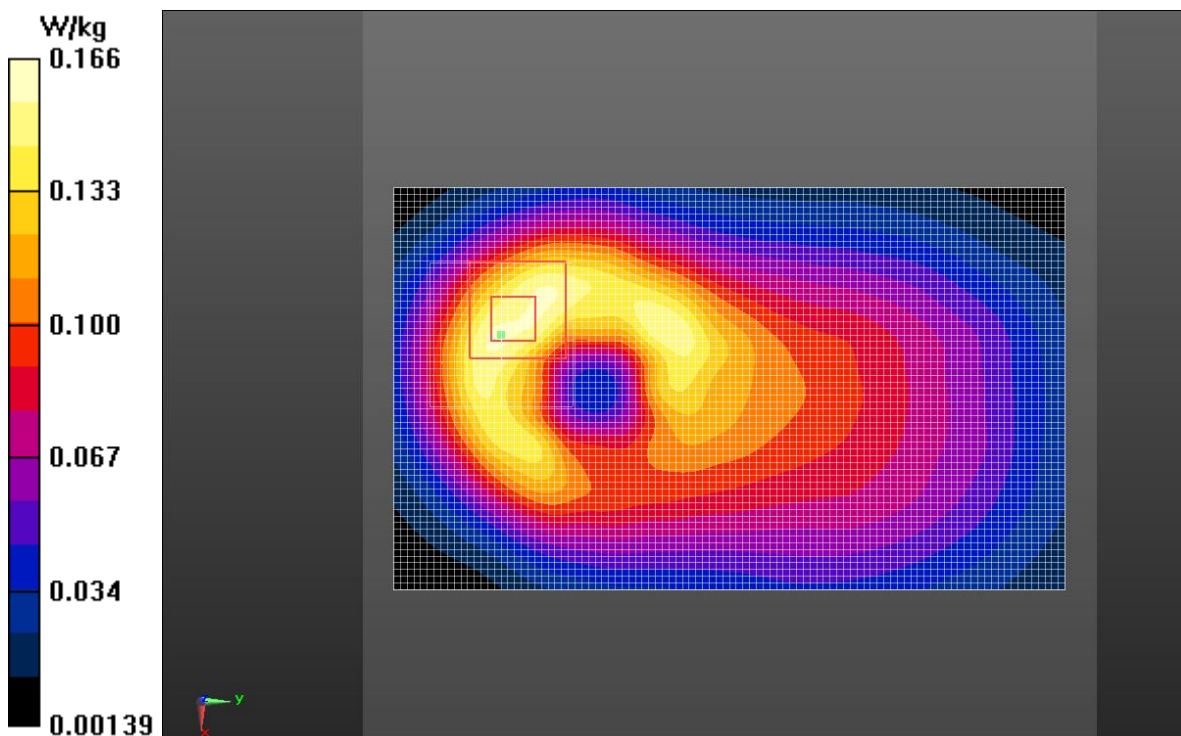
**Rear Side Mid/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.91 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.269 W/kg

**SAR(1 g) = 0.152 W/kg; SAR(10 g) = 0.091 W/kg**

Maximum value of SAR (measured) = 0.166 W/kg



**Fig.4 GSM 850 MHz**

**GSM1900 Head – Main antenna**

Date: 2017-12-15

Electronics: DAE4 Sn786

Medium: Head 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.406$  S/m;  $\epsilon_r = 39.302$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.2°C      Liquid Temperature: 21.7°C

Communication System: UID 0, GSM (0) Frequency: 1880 MHz Duty Cycle: 1:8.3

Probe: EX3DV4 - SN3633 ConvF (8, 8, 8)

**Left Cheek Mid/Area Scan (61x101x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.0941 W/kg

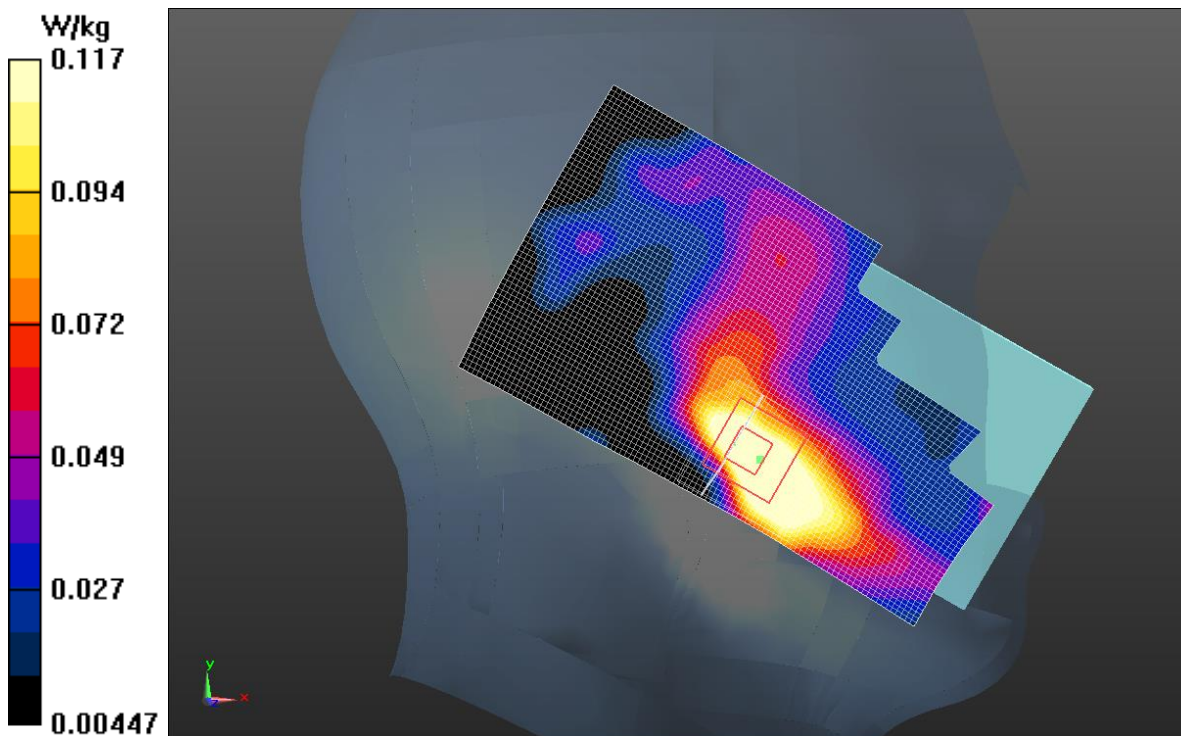
**Left Cheek Mid/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 2.584 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.103 W/kg

**SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.070 W/kg**

Maximum value of SAR (measured) = 0.117 W/kg



**Fig.5 GSM 1900 MHz**

### GSM1900 Body – Main antenna

Date: 2017-12-15

Electronics: DAE4 Sn786

Medium: Body 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.557$  S/m;  $\epsilon_r = 52.792$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.2°C      Liquid Temperature: 21.7°C

Communication System: UID 0, GPRS 1 Txslot (0) Frequency: 1880 MHz Duty Cycle: 1:8.3

Probe: EX3DV4 - SN3633 ConvF (7.55, 7.55, 7.55);

**Bottom Side Mid/Area Scan (51x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.721 W/kg

**Bottom Side Mid/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.88 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.942 W/kg

**SAR(1 g) = 0.572 W/kg; SAR(10 g) = 0.303 W/kg**

Maximum value of SAR (measured) = 0.608 W/kg

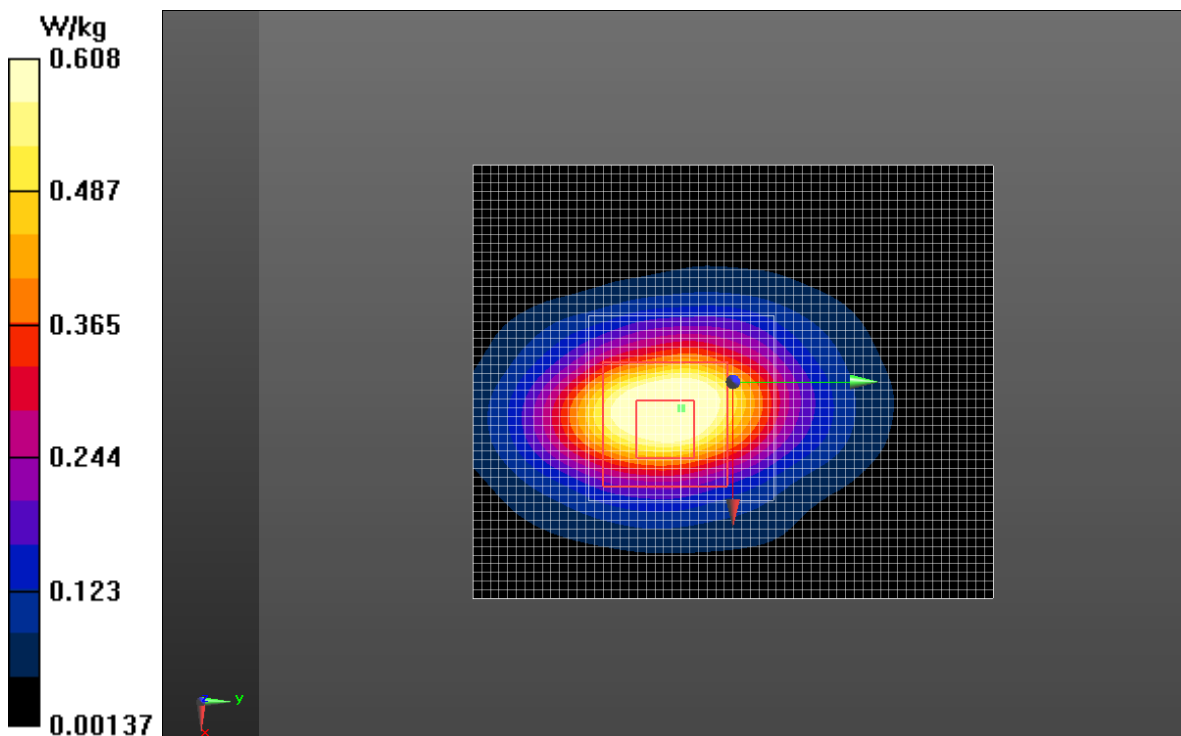


Fig.6 GSM 1900 MHz

**GSM1900 Head – Second antenna**

Date: 2017-12-15

Electronics: DAE4 Sn786

Medium: Head 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.406$  S/m;  $\epsilon_r = 39.302$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 21.8°C      Liquid Temperature: 21.3°C

Communication System: UID 0, GSM (0) Frequency: 1880 MHz Duty Cycle: 1:8.3

Probe: EX3DV4 - SN3633 ConvF (8, 8, 8)

**Right Cheek Mid/Area Scan (61x111x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.742 W/kg

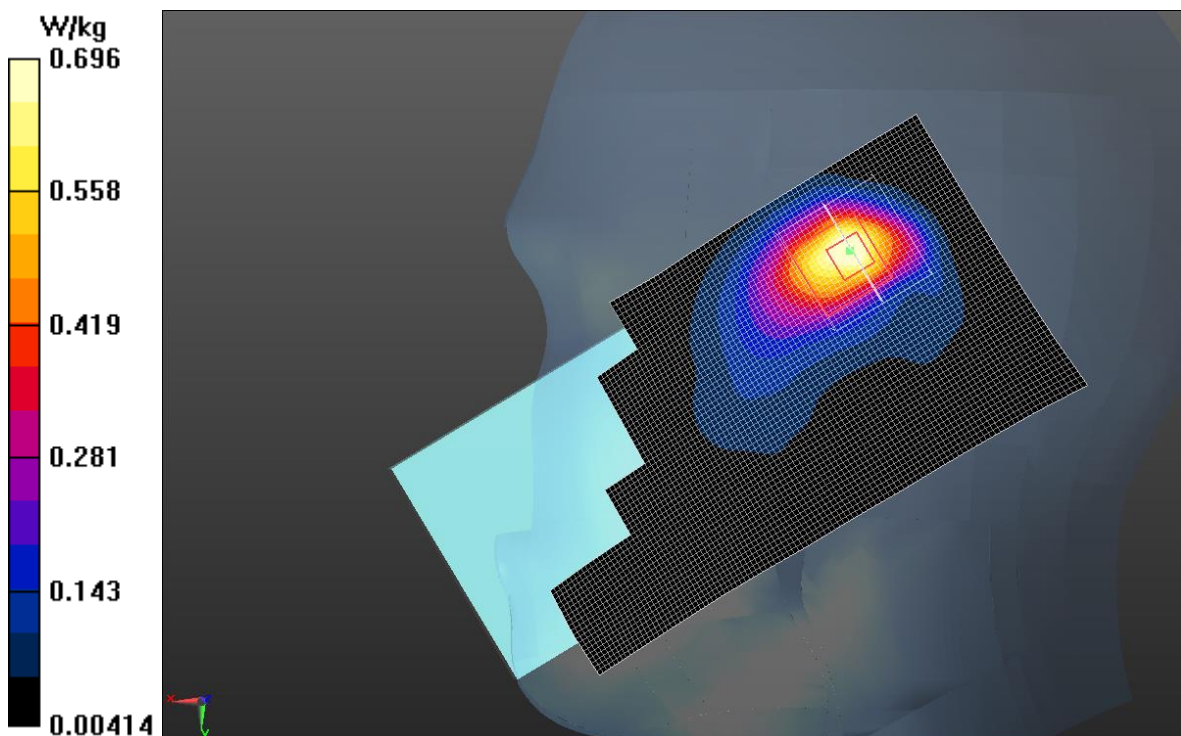
**Right Cheek Mid/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 9.257 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.28 W/kg

**SAR(1 g) = 0.634 W/kg; SAR(10 g) = 0.336 W/kg**

Maximum value of SAR (measured) = 0.696 W/kg



**Fig.7 GSM 1900**

**GSM1900 Body – Second antenna**

Date: 2017-12-15

Electronics: DAE4 Sn786

Medium: Body 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.557$  S/m;  $\epsilon_r = 52.792$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3°C      Liquid Temperature: 21.8°C

Communication System: UID 0, GPRS 1 Txslot Frequency: 1880 MHz Duty Cycle: 1:8.3

Probe: EX3DV4 - SN3633 ConvF (7.55, 7.55, 7.55);

**Rear Side Mid/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0680 W/kg

**Rear Side Mid/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.065 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.0980 W/kg

**SAR(1 g) = 0.074 W/kg; SAR(10 g) = 0.045 W/kg**

Maximum value of SAR (measured) = 0.0680 W/kg

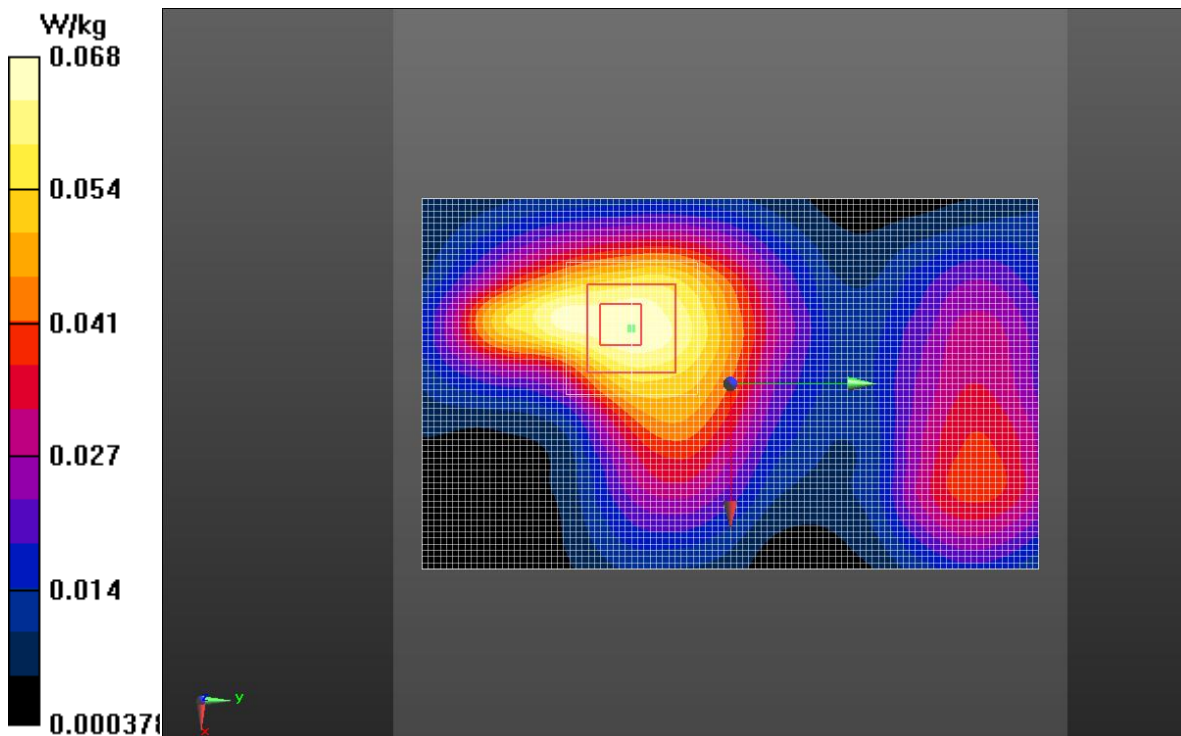


Fig.8 GSM 1900

**WCDMA850 Head – Main antenna**

Date: 2017-12-12

Electronics: DAE4 Sn786

Medium: Head 835 MHz

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.927$  S/m;  $\epsilon_r = 40.833$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.5°C      Liquid Temperature: 22.0°C

Communication System: UID 0, WCDMA (0) Frequency: 836.4 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (9.04, 9.04, 9.04);

**Right Cheek Mid/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.211 W/kg

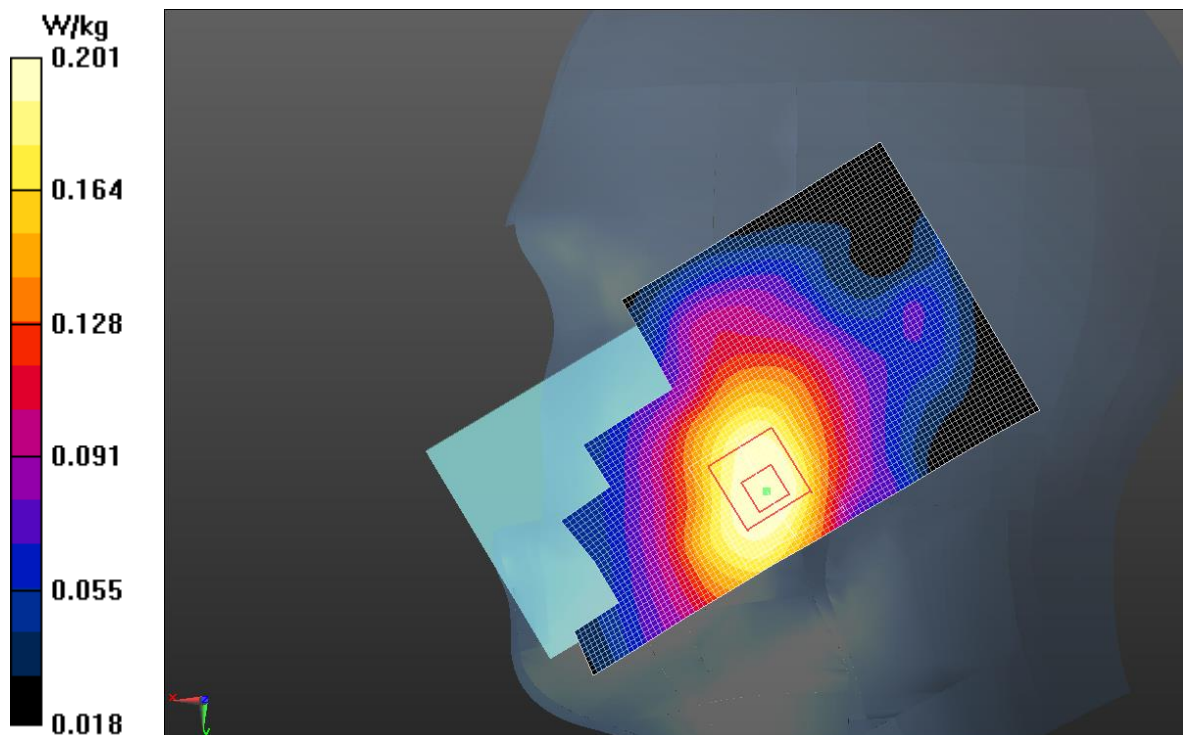
**Right Cheek Mid/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.726 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.239 W/kg

**SAR(1 g) = 0.197 W/kg; SAR(10 g) = 0.136 W/kg**

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



**Fig.9 WCDMA 850**

**WCDMA850 Body – Main antenna**

Date: 2017-12-13

Electronics: DAE4 Sn786

Medium: Body 835 MHz

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.99$  S/m;  $\epsilon_r = 53.673$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.5°C      Liquid Temperature: 22.0°C

Communication System: UID 0, WCDMA (0) Frequency: 836.4 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (9.41, 9.41, 9.41);

**Rear Side Mid/Area Scan (61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.340 W/kg

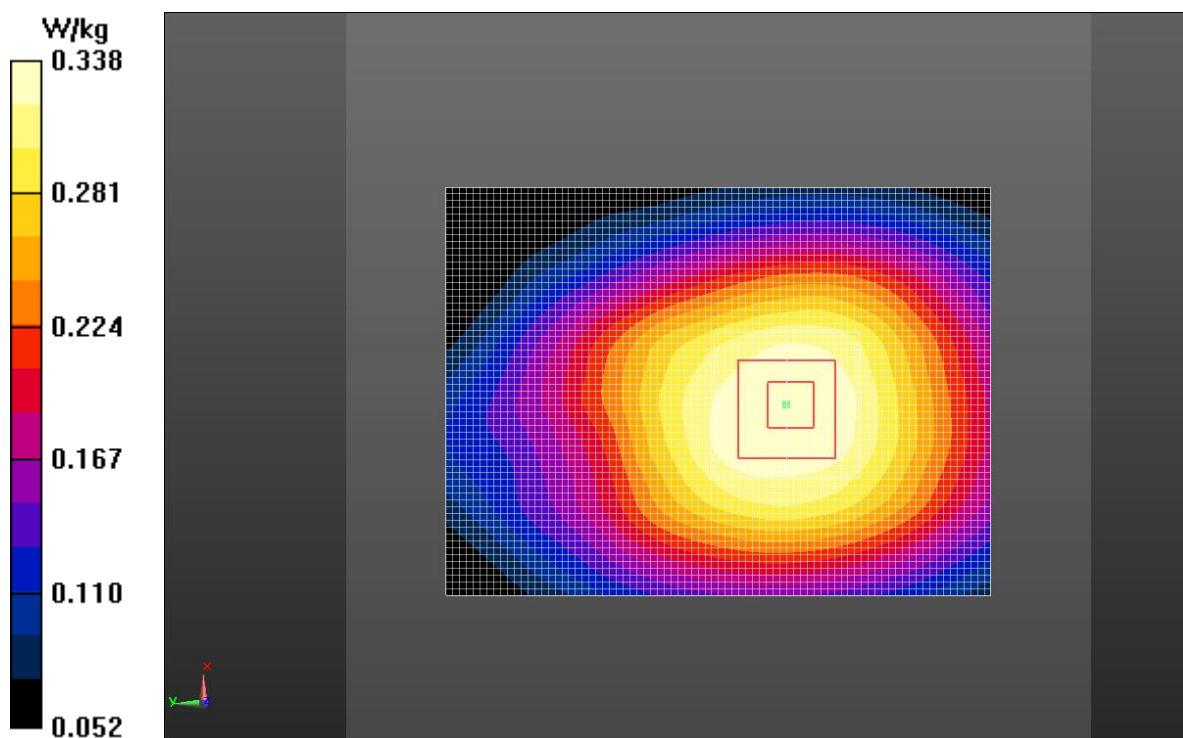
**Rear Side Mid/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.01 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.405 W/kg

**SAR(1 g) = 0.323 W/kg; SAR(10 g) = 0.247 W/kg**

Maximum value of SAR (measured) = 0.338 W/kg



**Fig.10 WCDMA 850**

**WCDMA850 Head – Second antenna**

Date: 2017-12-12

Electronics: DAE4 Sn786

Medium: Head 835 MHz

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.927$  S/m;  $\epsilon_r = 40.833$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: UID 0, WCDMA (0) Frequency: 836.4 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (9.04, 9.04, 9.04);

**Right Cheek Mid/Area Scan (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.504 W/kg

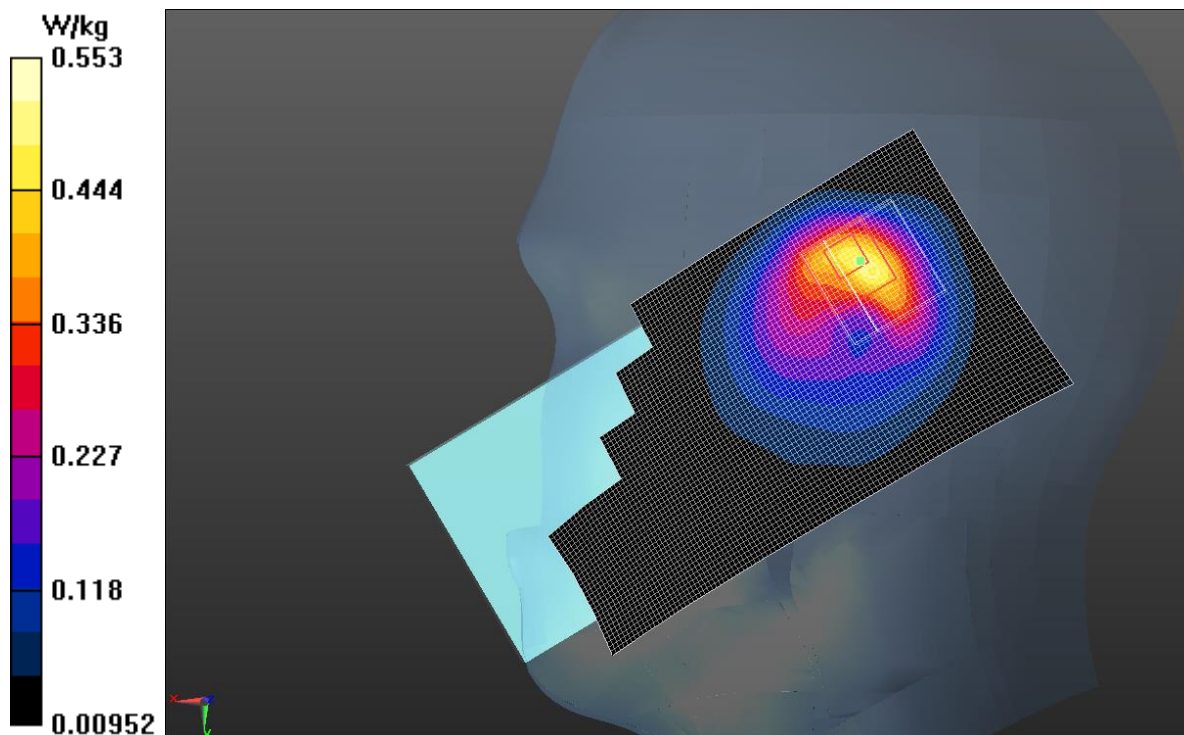
**Right Cheek Mid/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.61 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.22 W/kg

**SAR(1 g) = 0.495 W/kg; SAR(10 g) = 0.235 W/kg**

Maximum value of SAR (measured) = 0.553 W/kg



**Fig.11 WCDMA 850**

### WCDMA850 Body – Second antenna

Date: 2017-12-13

Electronics: DAE4 Sn786

Medium: Body 835 MHz

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.99$  S/m;  $\epsilon_r = 53.673$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: UID 0, WCDMA (0) Frequency: 836.4 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (9.41, 9.41, 9.41);

**Rear Side Mid/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.168 W/kg

**Rear Side Mid/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.990 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.290 W/kg

**SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.094 W/kg**

Maximum value of SAR (measured) = 0.171 W/kg

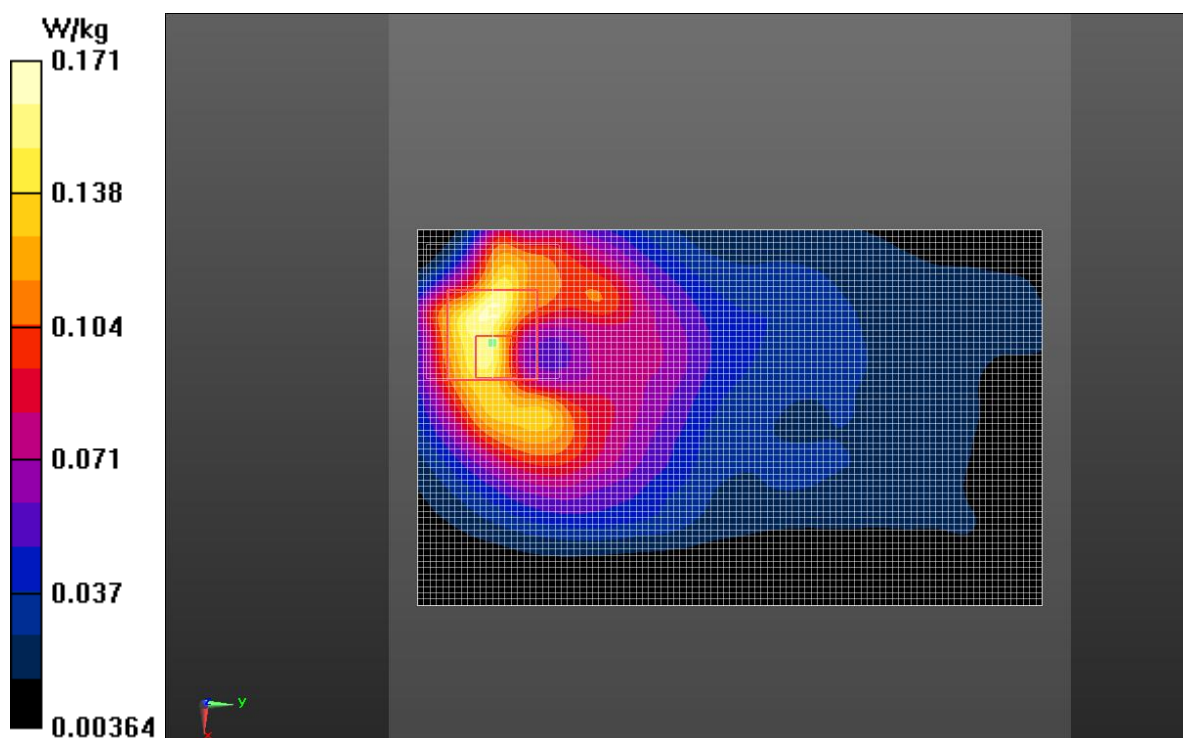


Fig.12 WCDMA 850

**LTE Band 5 Head – Main antenna**

Date: 2017-12-12

Electronics: DAE4 Sn786

Medium: Head 835 MHz

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.927$  S/m;  $\epsilon_r = 40.832$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.0°C      Liquid Temperature: 21.5°C

Communication System: UID 0, LTE\_FDD (0) Frequency: 836.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (9.04, 9.04, 9.04);

**Right Cheek Mid 1RB\_Mid/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.199 W/kg

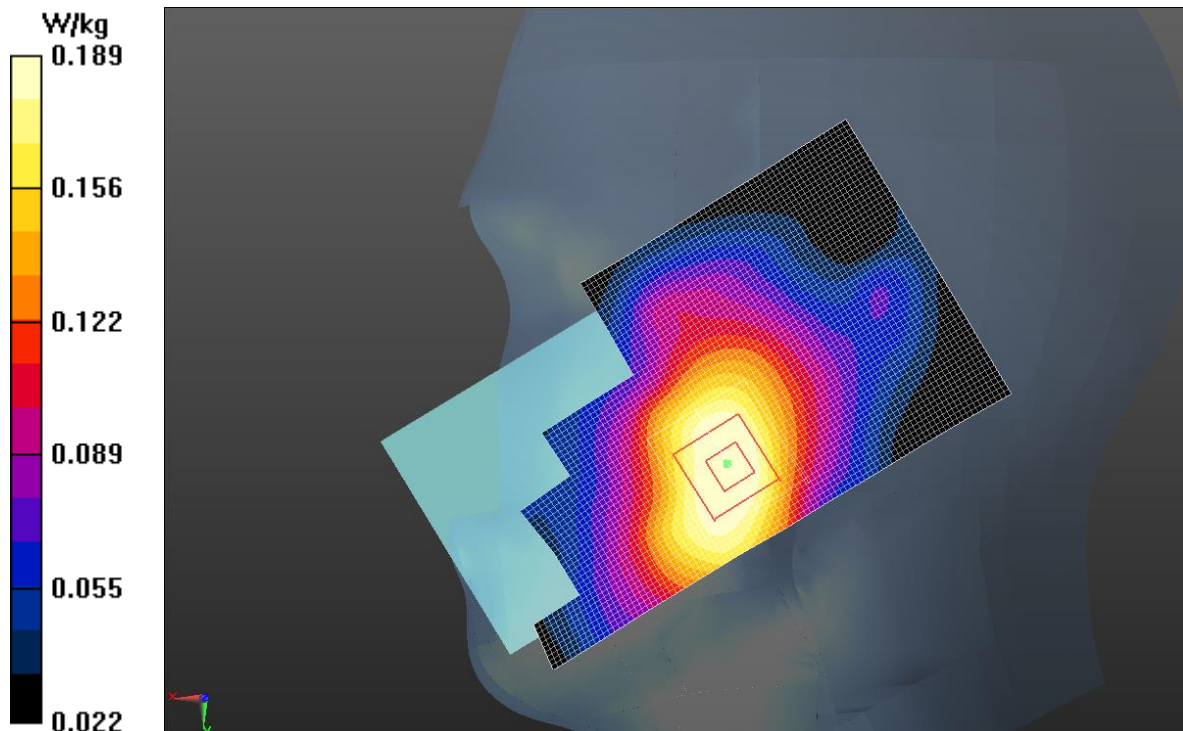
**Right Cheek Mid 1RB\_Mid/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.532 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.232 W/kg

**SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.139 W/kg**

Maximum value of SAR (measured) = 0.189 W/kg



**Fig.13 LTE Band 5**

### LTE Band 5 Body – Main antenna

Date: 2017-12-13

Electronics: DAE4 Sn786

Medium: Body 835 MHz

Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 0.99$  S/m;  $\epsilon_r = 53.671$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.4°C      Liquid Temperature: 21.9°C

Communication System: UID 0, LTE\_FDD (0) Frequency: 836.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (9.41, 9.41, 9.41);

**Rear Side Mid 1RB\_Mid/Area Scan (71x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.349 W/kg

**Rear Side Mid 1RB\_Mid/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.25 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.423 W/kg

**SAR(1 g) = 0.371 W/kg; SAR(10 g) = 0.259 W/kg**

Maximum value of SAR (measured) = 0.376 W/kg

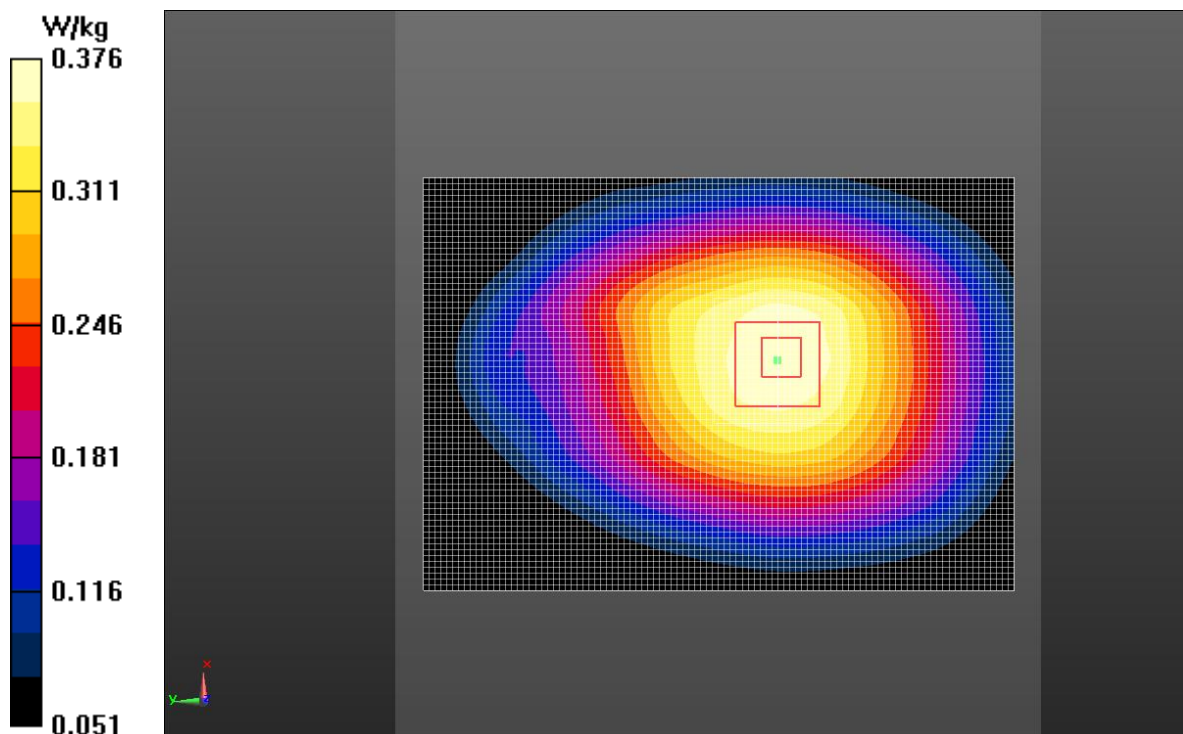


Fig.14 LTE Band 5

**LTE Band 5 Head – Second antenna**

Date: 2017-12-12

Electronics: DAE4 Sn786

Medium: Head 835 MHz

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.927$  S/m;  $\epsilon_r = 40.832$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 21.5°C      Liquid Temperature: 21.0°C

Communication System: UID 0, LTE\_FDD (0) Frequency: 836.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (9.04, 9.04, 9.04);

**Right Cheek Mid 1RB\_Mid/Area Scan (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.623 W/kg

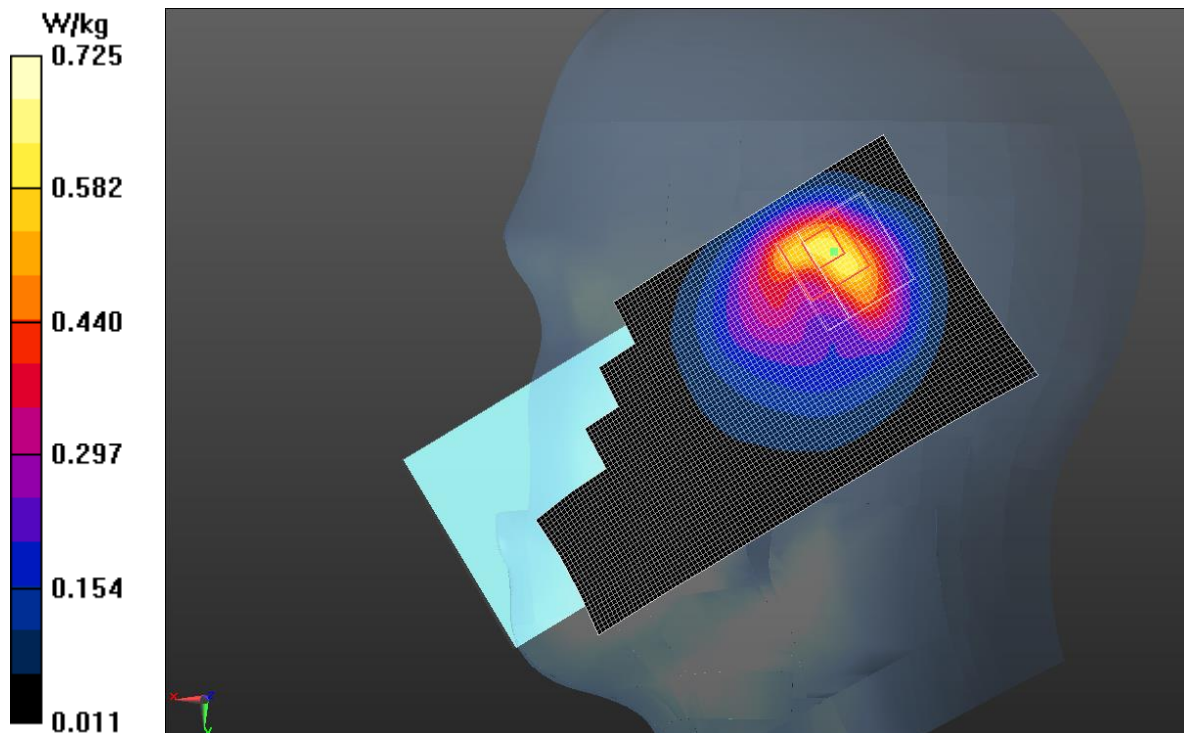
**Right Cheek Mid 1RB\_Mid/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.21 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.57 W/kg

**SAR(1 g) = 0.640 W/kg; SAR(10 g) = 0.305 W/kg**

Maximum value of SAR (measured) = 0.725 W/kg



**Fig.15 LTE Band 5**

### LTE Band 5 Body – Second antenna

Date: 2017-12-13

Electronics: DAE4 Sn786

Medium: Body 835 MHz

Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 0.99$  S/m;  $\epsilon_r = 53.671$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 21.8°C      Liquid Temperature: 21.3°C

Communication System: UID 0, LTE\_FDD (0) Frequency: 836.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (9.41, 9.41, 9.41);

**Rear Side Mid 1RB\_Mid/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

**Rear Side Mid 1RB\_Mid/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.89 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.555 W/kg

**SAR(1 g) = 0.299 W/kg; SAR(10 g) = 0.229 W/kg**

Maximum value of SAR (measured) = 0.322 W/kg

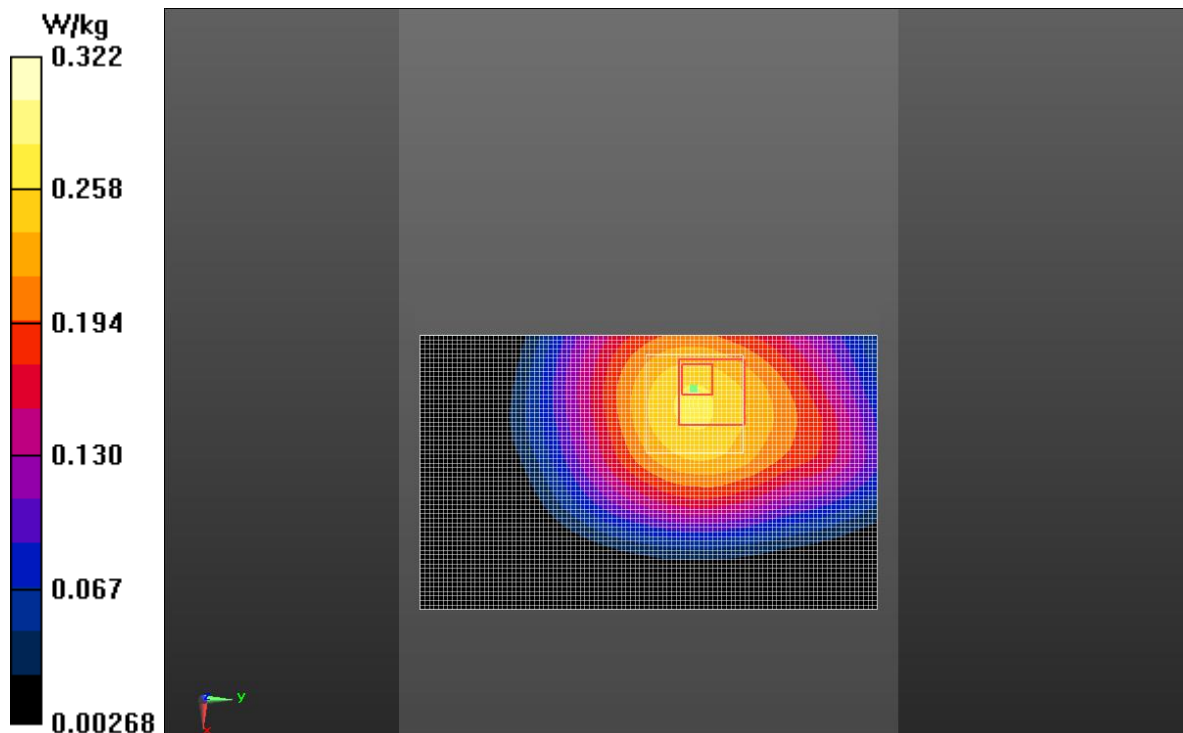


Fig.16 LTE Band 5

**LTE Band 7 Head – Main antenna**

Date: 2017-12-18

Electronics: DAE4 Sn786

Medium: Head 2550 MHz

Medium parameters used (interpolated):  $f = 2535$  MHz;  $\sigma = 1.933$  S/m;  $\epsilon_r = 38.517$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3°C      Liquid Temperature: 21.8°C

Communication System: UID 0, LTE\_FDD (0) Frequency: 2535 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (7.4, 7.4, 7.4);

**Right Cheek Mid 1RB\_Mid/Area Scan (71x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.284 W/kg

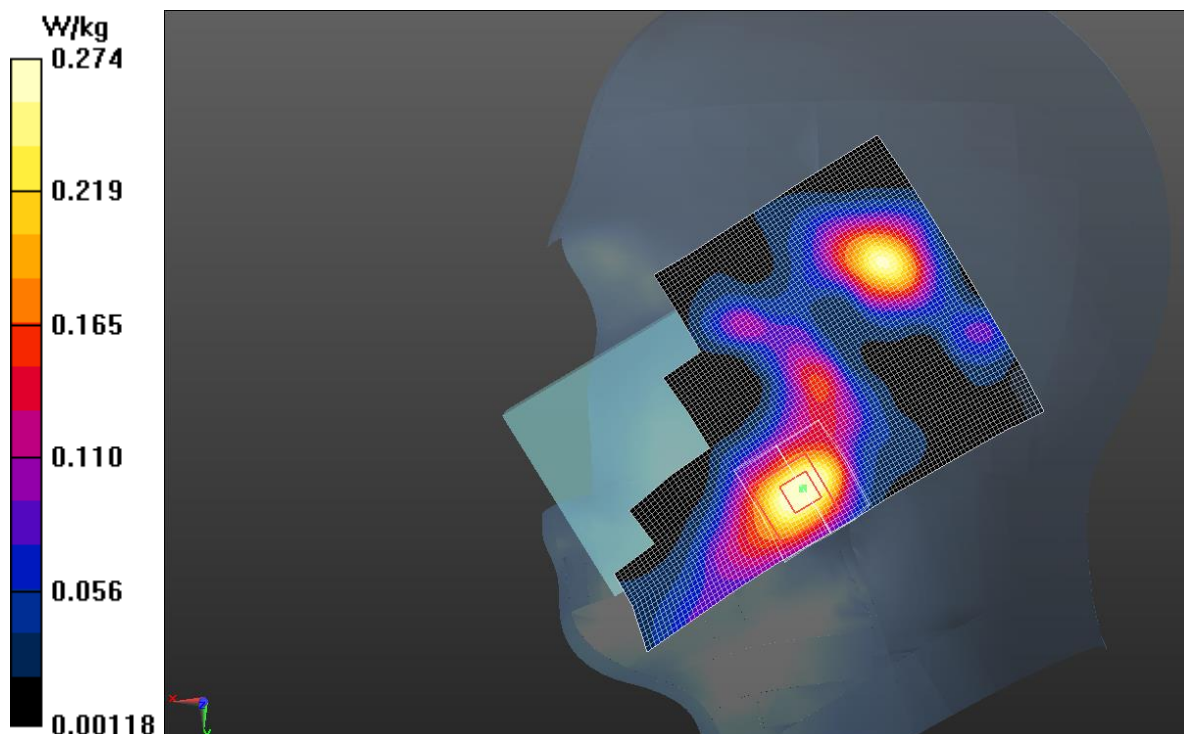
**Right Cheek Mid 1RB\_Mid/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.347 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.415 W/kg

**SAR(1 g) = 0.242 W/kg; SAR(10 g) = 0.128 W/kg**

Maximum value of SAR (measured) = 0.274 W/kg



**Fig.17 LTE Band 7**

### LTE Band 7 Body – Main antenna

Date: 2017-12-19

Electronics: DAE4 Sn786

Medium: Body 2550 MHz

Medium parameters used (interpolated):  $f = 2535$  MHz;  $\sigma = 2.034$  S/m;  $\epsilon_r = 51.265$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: UID 0, 4G\_LTE\_FDD (0) Frequency: 2535 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (7.37, 7.37, 7.37);

**Rear Side Mid 1RB\_Mid/Area Scan (71x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.502 W/kg

**Rear Side Mid 1RB\_Mid/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.571 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.02 W/kg

**SAR(1 g) = 0.466 W/kg; SAR(10 g) = 0.193 W/kg**

Maximum value of SAR (measured) = 0.504 W/kg

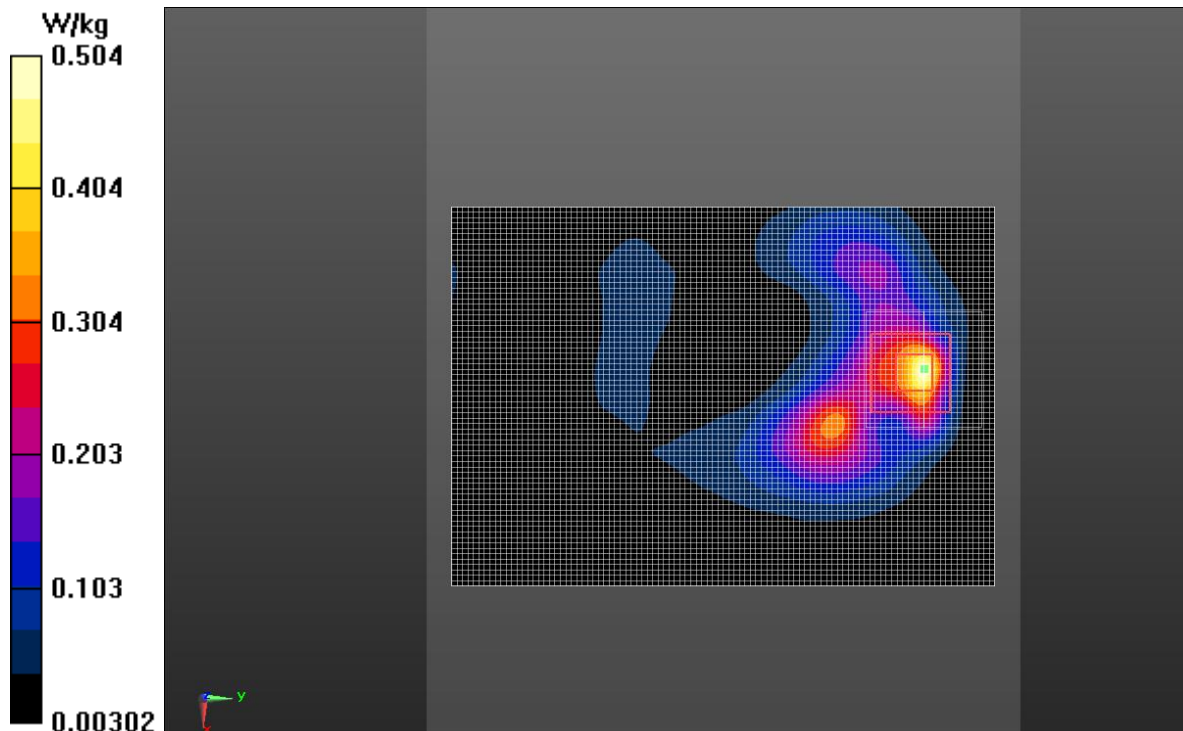


Fig.18 LTE Band 7

**LTE Band 7 Head – Second antenna**

Date: 2017-12-18

Electronics: DAE4 Sn786

Medium: Head 2550 MHz

Medium parameters used (interpolated):  $f = 2535$  MHz;  $\sigma = 1.933$  S/m;  $\epsilon_r = 38.517$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.2°C      Liquid Temperature: 21.7°C

Communication System: UID 0, LTE\_FDD (0) Frequency: 2535 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (7.4, 7.4, 7.4);

**Right Cheek Mid 1RB\_Mid/Area Scan (61x111x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.730 W/kg

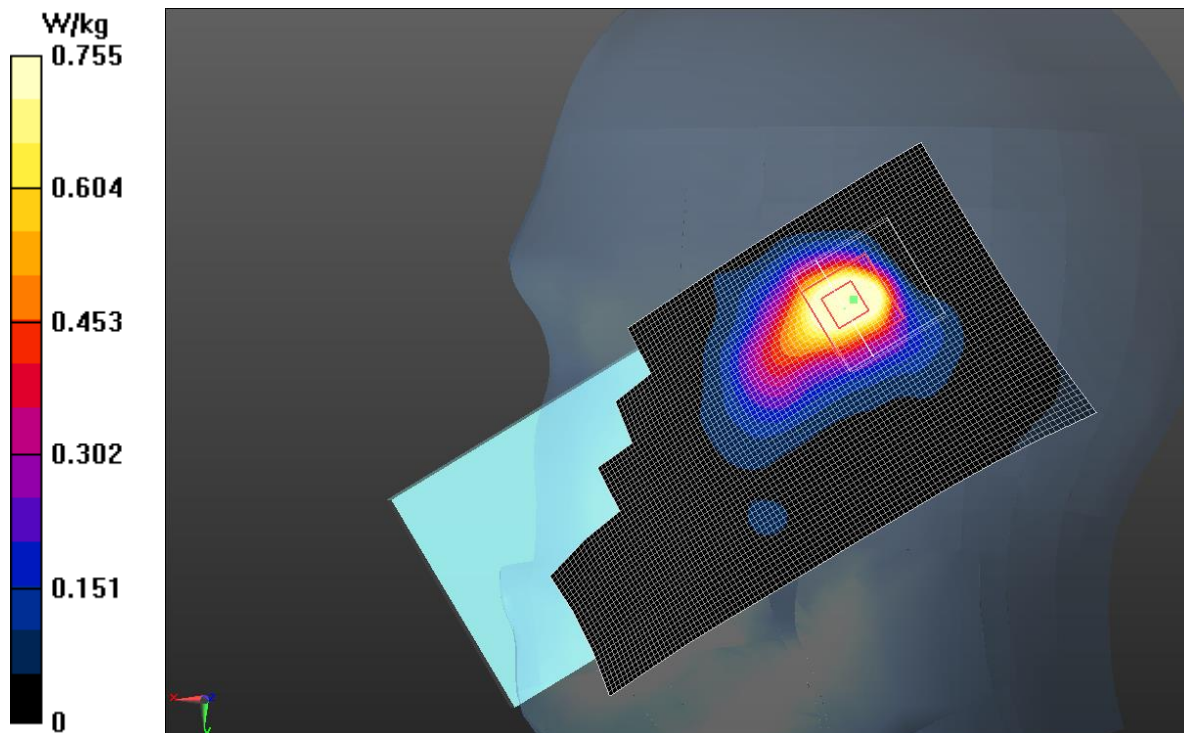
**Right Cheek Mid 1RB\_Mid/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.34 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.15 W/kg

**SAR(1 g) = 0.602W/kg; SAR(10 g) = 0.277 W/kg**

Maximum value of SAR (measured) = 0.755 W/kg



**Fig.19 LTE Band 7**

### LTE Band 7 Body – Second antenna

Date: 2017-12-19

Electronics: DAE4 Sn786

Medium: Body 2550 MHz

Medium parameters used (interpolated):  $f = 2535$  MHz;  $\sigma = 2.034$  S/m;  $\epsilon_r = 51.265$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 21.8°C      Liquid Temperature: 21.3°C

Communication System: UID 0, LTE\_FDD (0) Frequency: 2535 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (7.37, 7.37, 7.37);

**Front Side Mid 1RB\_Mid/Area Scan (61x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.279 W/kg

**Front Side Middle 1RB\_Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.867 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.454 W/kg

**SAR(1 g) = 0.286 W/kg; SAR(10 g) = 0.165 W/kg**

Maximum value of SAR (measured) = 0.309 W/kg

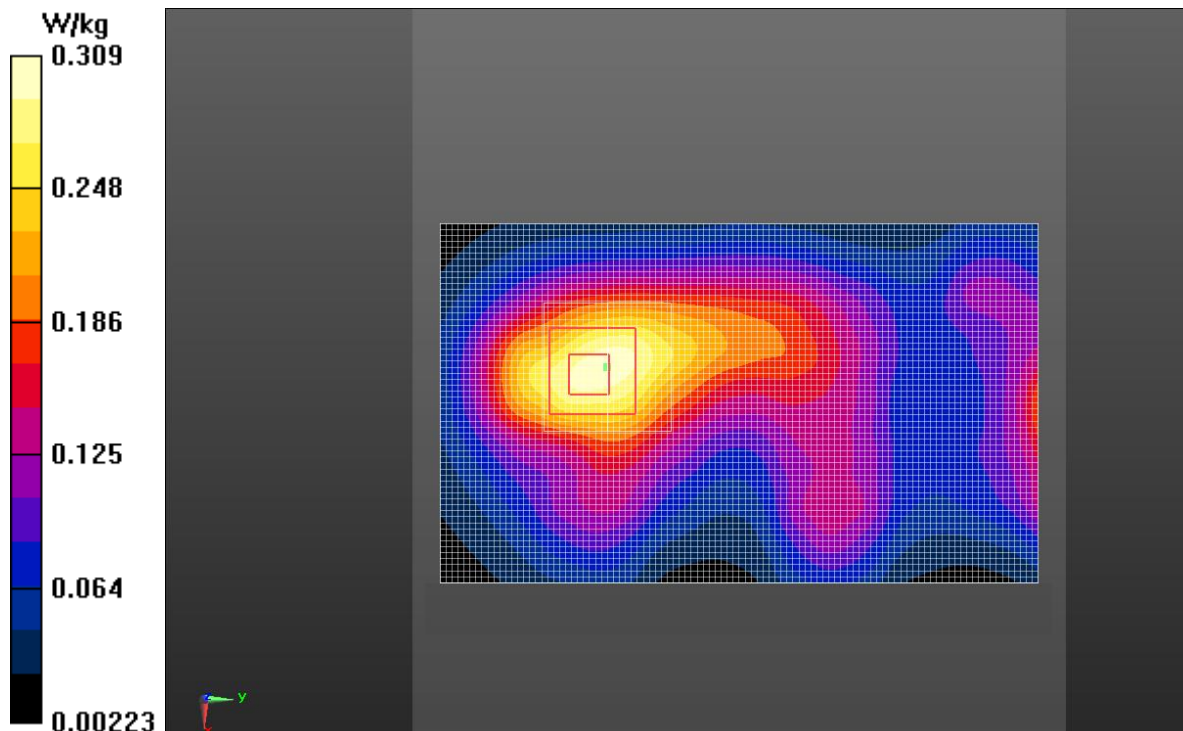


Fig.20 LTE Band 7

**LTE Band 41 Head – Main antenna**

Date: 2017-12-18

Electronics: DAE4 Sn786

Medium: Head 2550 MHz

Medium parameters used:  $f = 2570$  MHz;  $\sigma = 1.974$  S/m;  $\epsilon_r = 38.388$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.0°C      Liquid Temperature: 21.5°C

Communication System: UID 0, LTE\_TDD (0) Frequency: 2570 MHz Duty Cycle: 1:1.58

Probe: EX3DV4 - SN3633 ConvF (7.27, 7.27, 7.27);

**Right Cheek Mid 1RB\_Mid/Area Scan (71x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.184 W/kg

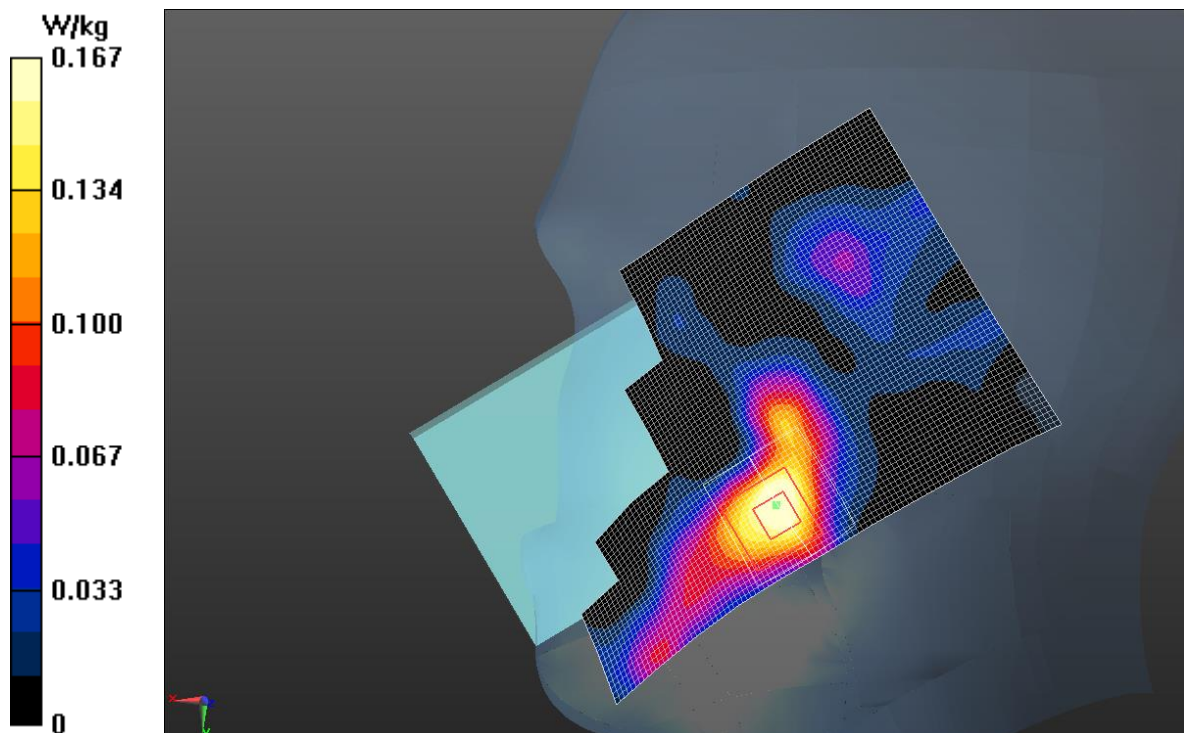
**Right Cheek Mid 1RB\_Mid/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.708 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.265 W/kg

**SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.074 W/kg**

Maximum value of SAR (measured) = 0.167 W/kg



**Fig.21 LTE Band 41**

**LTE Band 41 Body – Main antenna**

Date: 2017-12-19

Electronics: DAE4 Sn786

Medium: Body 2550 MHz

Medium parameters used:  $f = 2570$  MHz;  $\sigma = 2.075$  S/m;  $\epsilon_r = 51.151$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.0°C      Liquid Temperature: 21.5°C

Communication System: UID 0, LTE\_TDD (0) Frequency: 2570 MHz Duty Cycle: 1:1.58

Probe: EX3DV4 - SN3633 ConvF (7.24, 7.24, 7.24);

**Bottom Side Mid 1RB\_Mid/Area Scan (41x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.368 W/kg

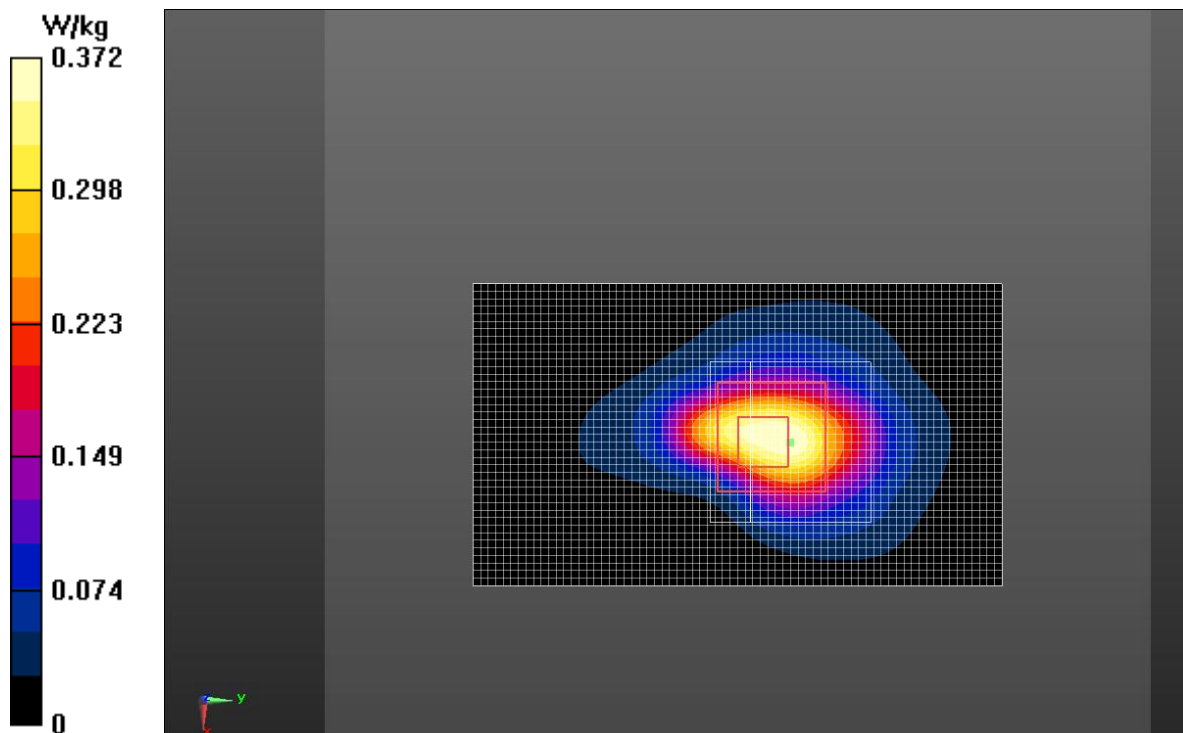
**Bottom Side Mid 1RB\_Mid /Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.11 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.665 W/kg

**SAR(1 g) = 0.331 W/kg; SAR(10 g) = 0.156 W/kg**

Maximum value of SAR (measured) = 0.372 W/kg



**Fig.22 LTE Band 41**

**LTE Band 41 Head – Second antenna**

Date: 2017-12-18

Electronics: DAE4 Sn786

Medium: Head 2550 MHz

Medium parameters used:  $f = 2570$  MHz;  $\sigma = 1.974$  S/m;  $\epsilon_r = 38.388$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.0°C      Liquid Temperature: 21.5°C

Communication System: UID 0, LTE\_TDD (0) Frequency: 2570 MHz Duty Cycle: 1:1.58

Probe: EX3DV4 - SN3633 ConvF (7.27, 7.27, 7.27);

**Right Cheek Mid 1RB\_Mid/Area Scan (61x111x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.677 W/kg

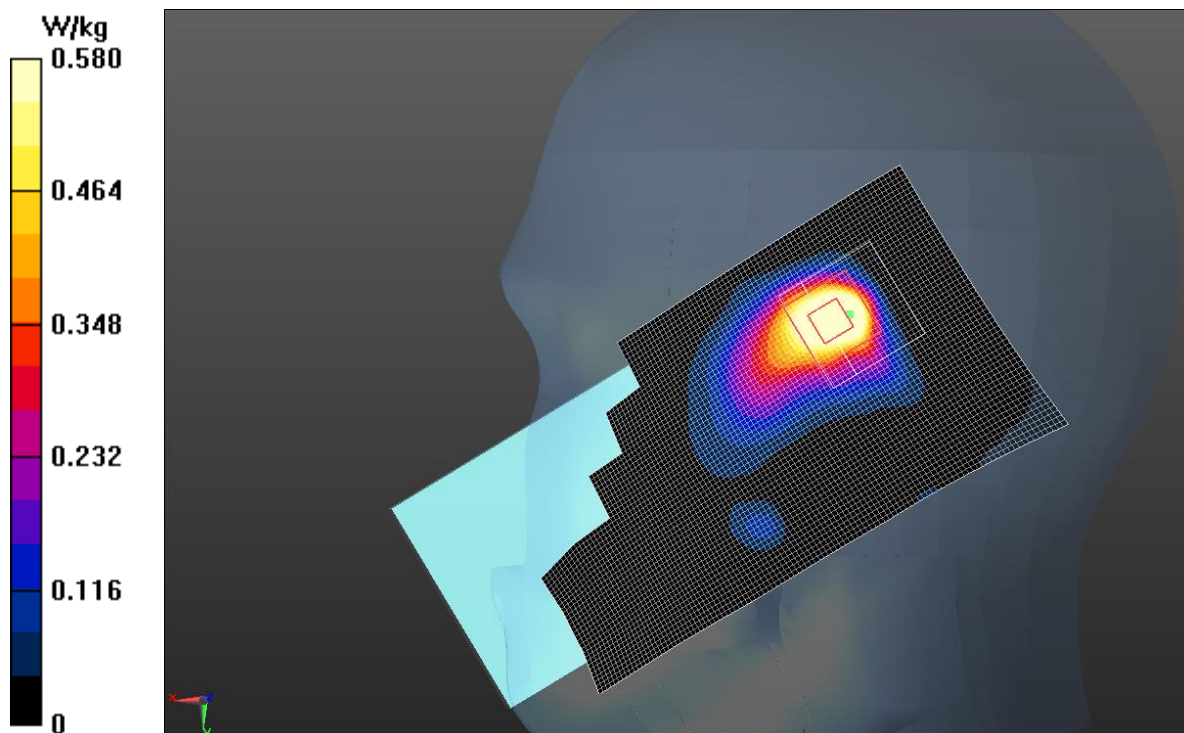
**Right Cheek Middle 1RB\_Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.372 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.947 W/kg

**SAR(1 g) = 0.483 W/kg; SAR(10 g) = 0.236 W/kg**

Maximum value of SAR (measured) = 0.580 W/kg



**Fig.23 LTE Band 41**

### LTE Band 41 Body – Second antenna

Date: 2017-12-19

Electronics: DAE4 Sn786

Medium: Body 2550 MHz

Medium parameters used:  $f = 2570$  MHz;  $\sigma = 2.075$  S/m;  $\epsilon_r = 51.151$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.0°C      Liquid Temperature: 21.5°C

Communication System: UID 0, LTE\_TDD (0) Frequency: 2570 MHz Duty Cycle: 1:1.58

Probe: EX3DV4 - SN3633 ConvF (7.24, 7.24, 7.24);

**Rear Side Mid 1RB\_Mid/Area Scan (61x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.144 W/kg

**Rear Side Mid 1RB\_Mid/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.483 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.235 W/kg

**SAR(1 g) = 0.138 W/kg; SAR(10 g) = 0.078 W/kg**

Maximum value of SAR (measured) = 0.152 W/kg

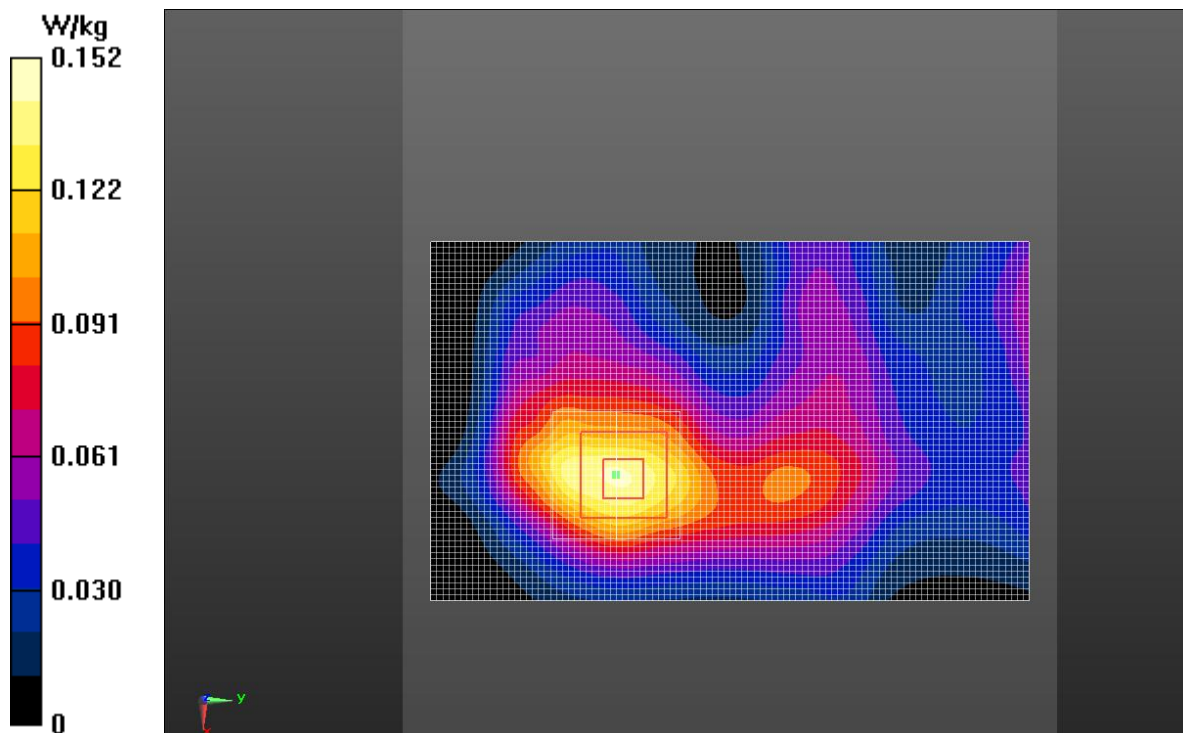


Fig.24 LTE Band 41

### BT 2.4G Head

Date: 2017-12-21

Electronics: DAE4 Sn786

Medium: Head 2450 MHz

Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.889$  S/m;  $\epsilon_r = 38.653$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.0°C      Liquid Temperature: 21.5°C

Communication System: UID 0, BT (0) Frequency: 2480 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN3633 ConvF (7.4, 7.4, 7.4);

**Left Tilt High/Area Scan (91x151x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.033 W/kg

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

Reference Value = 1.895 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.041 W/kg

**SAR(1 g) = 0.023 W/kg; SAR(10 g) = 0.007 W/kg**

Maximum value of SAR (measured) = 0.024 W/kg

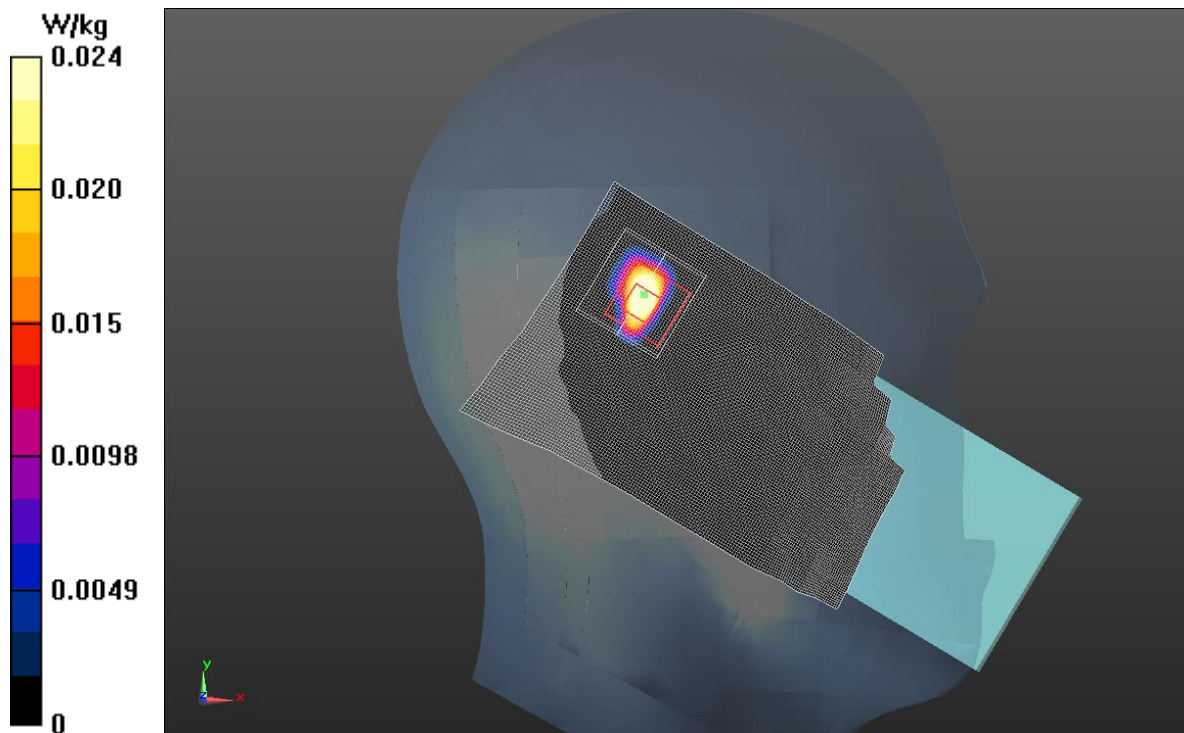


Fig.25 BT