

## SAR Compliance Test Report

|   |  |                                |  |
|---|--|--------------------------------|--|
| <b>Test report no.:</b>                                 | FCC_RM-975_03  | <b>Date of report:</b>         | 2014-04-28   |
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| <b>Tested device:</b>                                   | RM-975   |                                |  |
| <b>FCC ID:</b>  | PDNRM-975  | <b>IC:</b>                     | 661R-RM975   |
| <b>Supplement reports:</b>                              | SAR_Photo_RM-975_04  |                                |  |
| <b>Testing has been carried out in accordance with:</b> | <b>47CFR §2.1093</b><br>Radiofrequency Radiation Exposure Evaluation: Portable Devices<br><b>FCC published RF exposure KDB procedures</b><br><b>RSS-102, Issue 4</b><br>Evaluation Procedure for Mobile and Portable Radio Transmitters with Respect to Health Canada's Safety Code 6 for Exposure of Humans to Radio Frequency Fields<br><b>IEEE 1528 - 2013</b><br>IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Technique |                                |  |
| <b>Documentation:</b>                                   | The documentation of the testing performed on the tested devices is archived for 15 years at TCC Nokia.  |                                |  |
| <b>Test results:</b>                                    | <b>The tested device complies with the requirements in respect of all parameters subject to the test.</b> The test results and statements relate only to the items tested. The test report shall not be reproduced except in full, without written approval of the laboratory.   |                                |  |
| <b>Date and signatures:</b>                             |  |                                |  |
| For the contents:                                       |  |                                |  |

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## 1. SUMMARY OF SAR TEST REPORT

### 1.1 Test Details

|  |   |
|--|---|
| Period of test                         | 2014-04-08 to 2014-04-24  |
| SN, HW and SW numbers of tested device | SN: 004402/47/804496/3, HW: 2020, SW: 01061.00014.1414112.00000, DUT: 31365<br>SN: 004402/47/804007/8, HW: 2020, SW: 01061.00014.1414112.00000, DUT: 31364<br>SN: 004402/47/804005/2, HW: 2020, SW: 01061.00014.1414112.00000, DUT: 31351<br>SN: 004402/47/804009/4, HW: 2020, SW: 01061.00014.1414112.00000, DUT: 31350<br>SN: 004402/47/804000/3, HW: 2020, SW: 01061.00014.1414112.00000, DUT: 31349 |
| Batteries used in testing              | BL-5H, DUT: 31368, 31367, 31366, 31360, 31359, 31358, 31357, 31356, 31355   |
| Headsets used in testing               | WH-108, DUT: 31361, 31362, 31363  |
| Other accessories used in testing      | CC-3085, DUT: 31354, 31353, 31352   |
| State of sample                        | Prototype unit  |
| Notes                                  | -   |

### 1.2 Maximum Results

The maximum measured SAR values for Head configuration and Body Worn configuration are given in section 1.2.1, 1.2.2 and 1.2.3 respectively. The device conforms to the requirements of the standard(s) when the maximum measured SAR value is less than or equal to the limit.

#### 1.2.1 Head Configuration

| Mode                    | Ch / f (MHz) | Conducted power | Position    | Measured SAR value (1g avg) | Reported* SAR value (1g avg) | SAR limit (1g avg) | Result        | Plot # |
|-------------------------|--------------|-----------------|-------------|-----------------------------|------------------------------|--------------------|---------------|--------|
| LTE700 (Band 17)        | 23790/710.0  | 22.8 dBm        | Left, Cheek | 0.342 W/kg                  | <b>0.39 W/kg</b>             | 1.6 W/kg           | <b>PASSED</b> | 1      |
| 2-slot GPRS850          | 128/824.2    | 29.2 dBm        | Left, Cheek | 0.583 W/kg                  | <b>0.65 W/kg</b>             | 1.6 W/kg           | <b>PASSED</b> | 2      |
| WCDMA850 (Band 5)       | 4132/826.4   | 23.1 dBm        | Left, Cheek | 0.582 W/kg                  | <b>0.70 W/kg</b>             | 1.6 W/kg           | <b>PASSED</b> | 3      |
| LTE850 (Band 5)         | 20525/836.5  | 22.7 dBm        | Left, Cheek | 0.396 W/kg                  | <b>0.47 W/kg</b>             | 1.6 W/kg           | <b>PASSED</b> | 4      |
| WCDMA1700/2100 (Band 4) | 1412/1732.4  | 23.1dBm         | Left, Cheek | 0.627 W/kg                  | <b>0.75 W/kg</b>             | 1.6 W/kg           | <b>PASSED</b> | 5      |
| LTE1700/2100 (Band 4)   | 23175/1732.5 | 22.6 dBm        | Left, Cheek | 0.536 W/kg                  | <b>0.64 W/kg</b>             | 1.6 W/kg           | <b>PASSED</b> | 6      |
| 2-slot GPRS1900         | 810/1909.8   | 28.8 dBm        | Left, Cheek | 0.551 W/kg                  | <b>0.63 W/kg</b>             | 1.6 W/kg           | <b>PASSED</b> | 7      |
| WCDMA1900 (Band 2)      | 9538/1907.6  | 22.9 dBm        | Left, Cheek | 0.710 W/kg                  | <b>0.80 W/kg</b>             | 1.6 W/kg           | <b>PASSED</b> | 8      |

(Table Continues)

(Table Continues)

|  |                  |          |                |            |                  |          |               |    |
|--|------------------|----------|----------------|------------|------------------|----------|---------------|----|
| LTE1900<br>(Band 2)                      | 18900/<br>1880.0 | 22.1 dBm | Left,<br>Cheek | 0.882 W/kg | <b>1.06 W/kg</b> | 1.6 W/kg | <b>PASSED</b> | 9  |
| LTE2500<br>(Band 7)                      | 21100/<br>2535.0 | 22.1 dBm | Left,<br>Cheek | 0.358 W/kg | <b>0.38 W/kg</b> | 1.6 W/kg | <b>PASSED</b> | 10 |
| WLAN<br>2450                             | 11/<br>2462.0    | 16.5 dBm | Left,<br>Cheek | 0.723 W/kg | <b>0.92 W/kg</b> | 1.6 W/kg | <b>PASSED</b> | 11 |
| LTE700<br>(Band 17)<br>+ WLAN2450        | -                | -        | Left,<br>Cheek | 0.842 W/kg | <b>1.06 W/kg</b> | 1.6 W/kg | <b>PASSED</b> | -  |
| 2-slot<br>GPRS850<br>+ WLAN2450          | -                | -        | Left,<br>Cheek | 0.888 W/kg | <b>1.11 W/kg</b> | 1.6 W/kg | <b>PASSED</b> | -  |
| WCDMA850<br>(Band 5)<br>+ WLAN2450       | -                | -        | Left,<br>Cheek | 0.884 W/kg | <b>1.11 W/kg</b> | 1.6 W/kg | <b>PASSED</b> | 12 |
| LTE850<br>(Band 5)<br>+ WLAN2450         | -                | -        | Left,<br>Cheek | 0.832 W/kg | <b>1.05 W/kg</b> | 1.6 W/kg | <b>PASSED</b> | -  |
| WCDMA1700/2100<br>(Band 4)<br>+ WLAN2450 | -                | -        | Left,<br>Cheek | 0.974 W/kg | <b>1.22 W/kg</b> | 1.6 W/kg | <b>PASSED</b> | 13 |
| LTE1700/2100<br>(Band 4)<br>+ WLAN2450   | -                | -        | Left,<br>Cheek | 0.955 W/kg | <b>1.20 W/kg</b> | 1.6 W/kg | <b>PASSED</b> | -  |
| 2-slot<br>GPRS1900<br>+ WLAN2450         | -                | -        | Left,<br>Cheek | 0.830 W/kg | <b>1.05 W/kg</b> | 1.6 W/kg | <b>PASSED</b> | -  |
| WCDMA1900<br>(Band 2)<br>+ WLAN2450      | -                | -        | Left,<br>Cheek | 0.848 W/kg | <b>1.06 W/kg</b> | 1.6 W/kg | <b>PASSED</b> | 14 |
| LTE1900<br>(Band 2)<br>+ WLAN2450        | -                | -        | Left,<br>Cheek | 0.865 W/kg | <b>1.09 W/kg</b> | 1.6 W/kg | <b>PASSED</b> | 15 |
| LTE2500<br>(Band 7)<br>+ WLAN2450        | -                | -        | Left,<br>Cheek | 0.788 W/kg | <b>1.00 W/kg</b> | 1.6 W/kg | <b>PASSED</b> | -  |

### 1.2.2 Body Worn Configuration

| Mode                               | Ch / f (MHz) | Conducted power | Separation distance | Measured SAR value (1g avg) | Reported* SAR value (1g avg) | SAR limit (1g avg) | Result        | Plot # |
|------------------------------------|--------------|-----------------|---------------------|-----------------------------|------------------------------|--------------------|---------------|--------|
| LTE700 (Band 17)                   | 23790/710.0  | 22.8 dBm        | 1.5 cm              | 0.433 W/kg                  | <b>0.50 W/kg</b>             | 1.6 W/kg           | <b>PASSED</b> | 16     |
| 2-slot GPRS850                     | 128/824.2    | 29.2 dBm        | 1.5 cm              | 0.528 W/kg                  | <b>0.59 W/kg</b>             | 1.6 W/kg           | <b>PASSED</b> | 17     |
| WCDMA850 (Band 5)                  | 4132/826.4   | 23.1 dBm        | 1.5 cm              | 0.589 W/kg                  | <b>0.71 W/kg</b>             | 1.6 W/kg           | <b>PASSED</b> | 18     |
| LTE850 (Band 5)                    | 20525/836.5  | 22.7 dBm        | 1.5 cm              | 0.345 W/kg                  | <b>0.41 W/kg</b>             | 1.6 W/kg           | <b>PASSED</b> | 19     |
| WCDMA1700/2100 (Band 4)            | 1312/1712.4  | 23.4 dBm        | 1.5 cm              | 0.692 W/kg                  | <b>0.78 W/kg</b>             | 1.6 W/kg           | <b>PASSED</b> | 20     |
| LTE1700/2100 (Band 4)              | 23175/1732.5 | 23.1 dBm        | 1.5 cm              | 0.594 W/kg                  | <b>0.64 W/kg</b>             | 1.6 W/kg           | <b>PASSED</b> | 21     |
| 2-slot GPRS1900                    | 810/1909.8   | 28.8 dBm        | 1.5 cm              | 0.592 W/kg                  | <b>0.68 W/kg</b>             | 1.6 W/kg           | <b>PASSED</b> | 22     |
| WCDMA1900 (Band 2)                 | 9262/1852.4  | 23.1 dBm        | 1.5 cm              | 0.703 W/kg                  | <b>0.75 W/kg</b>             | 1.6 W/kg           | <b>PASSED</b> | 23     |
| LTE1900 (Band 2)                   | 18900/1880.0 | 22.1 dBm        | 1.5 cm              | 0.491 W/kg                  | <b>0.59 W/kg</b>             | 1.6 W/kg           | <b>PASSED</b> | 24     |
| LTE2500 (Band 7)                   | 21100/2535.0 | 22.1 dBm        | 1.5 cm              | 0.463 W/kg                  | <b>0.50 W/kg</b>             | 1.6 W/kg           | <b>PASSED</b> | 25     |
| WLAN2450                           | 11/2462.0    | 16.5 dBm        | 1.5 cm              | 0.095 W/kg                  | <b>0.12 W/kg</b>             | 1.6 W/kg           | <b>PASSED</b> | 26     |
| LTE700 (Band 17) + WLAN2450        | -            | -               | 1.5 cm              | 0.443W/kg                   | <b>0.51 W/kg</b>             | 1.6 W/kg           | <b>PASSED</b> | -      |
| 2-slot GPRS850 + WLAN2450          | -            | -               | 1.5 cm              | 0.535 W/kg                  | <b>0.60 W/kg</b>             | 1.6 W/kg           | <b>PASSED</b> | -      |
| WCDMA850 (Band 5) + WLAN2450       | -            | -               | 1.5 cm              | 0.597 W/kg                  | <b>0.72 W/kg</b>             | 1.6 W/kg           | <b>PASSED</b> | -      |
| LTE850 (Band 5) + WLAN2450         | -            | -               | 1.5 cm              | 0.361 W/kg                  | <b>0.43 W/kg</b>             | 1.6 W/kg           | <b>PASSED</b> | -      |
| WCDMA1700/2100 (Band 4) + WLAN2450 | -            | -               | 1.5 cm              | 0.715 W/kg                  | <b>0.80 W/kg</b>             | 1.6 W/kg           | <b>PASSED</b> | -      |
| LTE1700/2100 (Band 4) + WLAN2450   | -            | -               | 1.5 cm              | 0.594 W/kg                  | <b>0.64 W/kg</b>             | 1.6 W/kg           | <b>PASSED</b> | -      |

(Table Continues)

(Table Continues)

|                                     |   |   |        |            |                  |          |               |   |
|-------------------------------------|---|---|--------|------------|------------------|----------|---------------|---|
| 2-slot<br>GPRS1900<br>+ WLAN2450    | - | - | 1.5 cm | 0.592 W/kg | <b>0.68 W/kg</b> | 1.6 W/kg | <b>PASSED</b> | - |
| WCDMA1900<br>(Band 2)<br>+ WLAN2450 | - | - | 1.5 cm | 0.703 W/kg | <b>0.75 W/kg</b> | 1.6 W/kg | <b>PASSED</b> | - |
| LTE1900<br>(Band 2)<br>+ WLAN2450   | - | - | 1.5 cm | 0.499 W/kg | <b>0.60 W/kg</b> | 1.6 W/kg | <b>PASSED</b> | - |
| LTE2500<br>(Band 7)<br>+ WLAN2450   | - | - | 1.5 cm | 0.479 W/kg | <b>0.52 W/kg</b> | 1.6 W/kg | <b>PASSED</b> | - |

### 1.2.3 Wireless Router Configuration

Summary of Maximum Results for Wireless Router mode at 10.0mm

| Mode                       | Ch / f<br>(MHz)  | Conducted<br>power | Separation<br>distance | Measured<br>SAR value<br>(1g avg) | Reported*<br>SAR value<br>(1g avg) | SAR limit<br>(1g avg) | Result        | Plot<br># |
|----------------------------|------------------|--------------------|------------------------|-----------------------------------|------------------------------------|-----------------------|---------------|-----------|
| LTE700<br>(Band 17)        | 23790/<br>710.0  | 22.8 dBm           | 10.0 mm                | 0.571 W/kg                        | <b>0.66 W/kg</b>                   | 1.6 W/kg              | <b>PASSED</b> | 27        |
| 2-slot<br>GPRS850          | 128/<br>824.2    | 29.2 dBm           | 10.0 mm                | 0.689 W/kg                        | <b>0.77 W/kg</b>                   | 1.6 W/kg              | <b>PASSED</b> | 28        |
| WCDMA850<br>(Band 5)       | 4132/<br>826.4   | 23.1 dBm           | 10.0 mm                | 0.716 W/kg                        | <b>0.86 W/kg</b>                   | 1.6 W/kg              | <b>PASSED</b> | 29        |
| LTE850<br>(Band 5)         | 20525/<br>836.5  | 22.9 dBm           | 10.0 mm                | 0.434 W/kg                        | <b>0.49 W/kg</b>                   | 1.6 W/kg              | <b>PASSED</b> | 30        |
| WCDMA1700/2100<br>(Band 4) | 1312/<br>1712.4  | 21.2 dBm           | 10.0 mm                | 0.768 W/kg                        | <b>1.01 W/kg</b>                   | 1.6 W/kg              | <b>PASSED</b> | 31        |
| LTE1700/2100<br>(Band 4)   | 23175/<br>1732.5 | 21.0 dBm           | 10.0 mm                | 0.647 W/kg                        | <b>0.80 W/kg</b>                   | 1.6 W/kg              | <b>PASSED</b> | 32        |
| 2-slot<br>GPRS1900         | 810/<br>1909.8   | 28.8 dBm           | 10.0 mm                | 0.990 W/kg                        | <b>1.14 W/kg</b>                   | 1.6 W/kg              | <b>PASSED</b> | 33        |
| WCDMA1900<br>(Band 2)      | 9538/<br>1907.6  | 21.3 dBm           | 10.0 mm                | 0.920 W/kg                        | <b>1.06 W/kg</b>                   | 1.6 W/kg              | <b>PASSED</b> | 34        |
| LTE1900<br>(Band 2)        | 18900/<br>1880.0 | 21.1 dBm           | 10.0 mm                | 0.758 W/kg                        | <b>0.81 W/kg</b>                   | 1.6 W/kg              | <b>PASSED</b> | 35        |
| LTE2500<br>(Band 7)        | 20850/<br>2510.0 | 20.6 dBm           | 10.0 mm                | 0.915 W/kg                        | <b>0.98 W/kg</b>                   | 1.6 W/kg              | <b>PASSED</b> | 36        |
| WLAN2450                   | 11/<br>2462.0    | 16.5 dBm           | 10.0 mm                | 0.215 W/kg                        | <b>0.27 W/kg</b>                   | 1.6 W/kg              | <b>PASSED</b> | 37        |

(Table Continues)

(Table Continues)

|  |   |   |         |            |                  |          |               |   |
|--|---|---|---------|------------|------------------|----------|---------------|---|
| LTE700<br>(Band 17)<br>+ WLAN2450        | - | - | 10.0 mm | 0.578 W/kg | <b>0.67 W/kg</b> | 1.6 W/kg | <b>PASSED</b> | - |
| 2-slot<br>GPRS850<br>+ WLAN2450          | - | - | 10.0 mm | 0.706 W/kg | <b>0.80 W/kg</b> | 1.6 W/kg | <b>PASSED</b> | - |
| WCDMA850<br>(Band 5)<br>+ WLAN2450       | - | - | 10.0 mm | 0.757 W/kg | <b>0.91 W/kg</b> | 1.6 W/kg | <b>PASSED</b> | - |
| LTE850<br>(Band 5)<br>+ WLAN2450         | - | - | 10.0 mm | 0.493 W/kg | <b>0.56 W/kg</b> | 1.6 W/kg | <b>PASSED</b> | - |
| WCDMA1700/2100<br>(Band 4)<br>+ WLAN2450 | - | - | 10.0 mm | 0.799 W/kg | <b>1.04 W/kg</b> | 1.6 W/kg | <b>PASSED</b> | - |
| LTE1700/2100<br>(Band 4)<br>+ WLAN2450   | - | - | 10.0 mm | 0.662 W/kg | <b>0.82 W/kg</b> | 1.6 W/kg | <b>PASSED</b> | - |
| 2-slot<br>GPRS1900<br>+ WLAN2450         | - | - | 10.0 mm | 1.14 W/kg  | <b>1.14 W/kg</b> | 1.6 W/kg | <b>PASSED</b> | - |
| WCDMA1900<br>(Band 2)<br>+ WLAN2450      | - | - | 10.0 mm | 1.06 W/kg  | <b>1.06 W/kg</b> | 1.6 W/kg | <b>PASSED</b> | - |
| LTE1900<br>(Band 2)<br>+ WLAN2450        | - | - | 10.0 mm | 0.758 W/kg | <b>0.81 W/kg</b> | 1.6 W/kg | <b>PASSED</b> | - |
| LTE2500<br>(Band 7)<br>+ WLAN2450        | - | - | 10.0 mm | 0.917 W/kg | <b>0.99 W/kg</b> | 1.6 W/kg | <b>PASSED</b> | - |

\* Reported SAR values are scaled to, or measured at, upper limit of power tuning tolerance.



1.2.4 Summary SAR data

|   | FCC-defined SAR values for the Grants of Equipment Authorization |            |     |
|---|--|------------|-----|
|   | PCE  | DTS        | NII |
| <b>Maximum Head SAR values</b>  | 1.06 W/kg  | 0.921 W/kg | -   |
| {Max + Max} Simultaneous Head SAR value   | 1.58 W/kg†   |            |     |
| <b>Maximum Body SAR values</b>  | 0.776W/kg  | 0.121W/kg  | -   |
| {Max + Max} Simultaneous Body SAR value   | 0.883W/kg  |            |     |
| <b>Maximum Product Specific (Wireless Router) SAR values</b>                        | 1.14 W/kg  | 0.274 W/kg | -   |
| {Max + Max} Simultaneous Product Specific SAR value                                 | 1.28 W/kg  |            |     |
| <b>Maximum Simultaneous SAR value</b><br><b>Head SAR: 2-slot GPRS850 + WLAN2450</b> | 1.58 W/kg  |            |     |

Note:

PCE contains the highest results between all cellular modes (cellular, AWS and PCS bands)

DTS contains the highest results between WLAN 2.4GHz + RLAN 5725-5850MHz

NII contains the highest results between RLAN 5150-5250, 5250-5350 and 5470-5725

† From Section 7.1 and 7.4.1:

The highest {Max + Max} Simultaneous Head SAR value is 1.98W/kg i.e. > 1.6W/kg for LTE1900 Antenna 2 + WLAN2450 Left Cheek test configuration. As described in KDB447498 D01 v05 the Antenna Pair SAR to Peak Separation Ratio = 0.04, hence Simultaneous Transmission Procedures are not required (see Section 7.1.1 Simultaneous Transmission SAR Test Exclusion Considerations for Head Measurements).

The second highest {Max + Max} Simultaneous Head SAR value is 1.72W/kg i.e. > 1.6W/kg for WCDMA1900 Antenna 1 + WLAN2450 Left Cheek test configuration. As described in KDB447498 D01 v05 the Antenna Pair SAR to Peak Separation Ratio = 0.03, hence Simultaneous Transmission Procedures are not required (see Section 7.1.1 Simultaneous Transmission SAR Test Exclusion Considerations for Head Measurements).

The thirteenth highest {Max + Max} Simultaneous Head SAR value is 1.71W/kg i.e. > 1.6W/kg for WCDMA1900 Antenna 2 + WLAN2450 Left Cheek test configuration. As described in KDB447498 D01 v05 the Antenna Pair SAR to Peak Separation Ratio = 0.03, hence Simultaneous Transmission Procedures are not required (see Section 7.4.1.1 Simultaneous Transmission SAR Test Exclusion Considerations for Head Measurements).

The fourth highest {Max + Max} Simultaneous Head SAR value is 1.68W/kg i.e. > 1.6W/kg for WCDMA1700/2100 Antenna 2 + WLAN2450 Left Cheek test configuration. As described in KDB447498 D01 v05 the Antenna Pair SAR to Peak Separation Ratio = 0.03, hence Simultaneous Transmission Procedures are not required (see Section 7.4.1.1 Simultaneous Transmission SAR Test Exclusion Considerations for Head Measurements).

The fifth highest {Max + Max} Simultaneous Head SAR value is 1.62W/kg i.e. > 1.6W/kg for WCDMA850 Antenna 2 + WLAN2450 Left Cheek test configuration. As described in KDB447498 D01 v05 the Antenna Pair SAR to Peak Separation Ratio = 0.04, hence Simultaneous Transmission Procedures are not required (see Section 7.1.1 Simultaneous Transmission SAR Test Exclusion Considerations for Head Measurements).

#### 1.2.5 Maximum Drift

|  |                                   |
|--|-----------------------------------|
| Maximum drift covered by 5% scaling up of the SAR values | Maximum drift during measurements |
| 0.2dB  | 0.15dB                            |

#### 1.2.6 Measurement Uncertainty

|                                |         |
|--------------------------------|---------|
| Expanded Uncertainty (k=2) 95% | ± 29.8% |
|--------------------------------|---------|

## 2. DESCRIPTION OF THE DEVICE UNDER TEST

|                      |                                   |
|----------------------|-----------------------------------|
| Device category      | Portable                          |
| Exposure environment | General population / uncontrolled |

| Modes of Operation | Bands               | Modulation Mode | Duty Cycle | Transmitter Frequency Range (MHz) | Power Tuning Target (dBm)  |         |        |        | Upper Limit of Power Tuning Tolerance (dBm) |        |        |        |
|--------------------|---------------------|-----------------|------------|-----------------------------------|----------------------------|---------|--------|--------|---|--------|--------|--------|
|                    |                     |                 |            |                                   | 1-slot                     | 2-slot  | 3-slot | 4-slot | 1-slot                                      | 2-slot | 3-slot | 4-slot |
| GSM / GPRS         | 850                 | GMSK            | 1/8 to 4/8 | 824 – 849                         | 32.2                       | 29.3    | 27.5   | 26.3   | 32.6  | 29.7   | 27.9   | 26.7   |
|                    | 1900                |                 |            | 1850 – 1910                       | 29.5                       | 29.0    | 27.2   | 25.5   | 29.9  | 29.4   | 27.6   | 25.9   |
| EGPRS              | 850                 | GMSK            | 1/8 to 4/8 | 824 – 849                         | 26.0                       | 24.5    | 23.0   | 21.5   | 26.4  | 24.9   | 23.4   | 21.9   |
|                    | 1900                |                 |            | 1850 – 1910                       | 26.0                       | 25.6    | 24.2   | 22.6   | 26.4  | 26.0   | 24.6   | 23.0   |
| WCDMA              | 850 (Band V)        |                 | 1          | 826 – 847                         | 23.5                       |         |        |        | 23.9  |        |        |        |
| WCDMA              | 1700/2100 (Band IV) |                 | 1          | 1712 – 1753                       | 23.5                       |         |        |        | 23.9  |        |        |        |
| WCDMA              | 1900 (Band II)      |                 | 1          | 1852 – 1908                       | 23.0                       |         |        |        | 23.4  |        |        |        |
| HSUPA              | 850 (Band V)        |                 | 1          | 826 – 847                         | See Appendix D for details |         |        |        |   |        |        |        |
| HSUPA              | 1700/2100 (Band IV) |                 | 1          | 1712 – 1753                       | See Appendix D for details |         |        |        |   |        |        |        |
| HSUPA              | 1900 (Band II)      |                 | 1          | 1852 – 1908                       | See Appendix D for details |         |        |        |   |        |        |        |
| LTE                | 700 (Band XVII)     | QPSK / 16QAM    | 1          | 704 – 716                         | 23.0                       |         |        |        | 23.4  |        |        |        |
| LTE                | 850 (Band 5)        | QPSK / 16QAM    | 1          | 824 – 849                         | 23.0                       |         |        |        | 23.4  |        |        |        |
| LTE                | 1700/2100 (Band 4)  | QPSK / 16QAM    | 1          | 1710 – 1755                       | 23.0                       |         |        |        | 23.4  |        |        |        |
| LTE                | 1900 (Band 2)       | QPSK / 16QAM    | 1          | 1850 – 1910                       | 22.5                       |         |        |        | 22.9  |        |        |        |
| LTE                | 2500 (Band 7)       | QPSK / 16QAM    | 1          | 2500 – 2570                       | 22.0                       |         |        |        | 22.4  |        |        |        |
| BT                 | 2450                | GFSK            | 1          | 2402 – 2480                       | 10.0                       |         |        |        | 11.5  |        |        |        |
|                    |                     |                 |            |                                   | Ch 1                       | Ch 2-10 | Ch 11  | Ch 1   | Ch 2-10                                     | Ch 11  |        |        |
| WLAN b-mode        | 2450                | BPSK            | 1          | 2412 – 2472                       | 16.0                       | 16.0    | 16.0   | 17.5   | 17.5  | 17.5   |        |        |
| WLAN g-mode        | 2450                | OFDM            | 1          | 2412 – 2472                       | 13.0                       | 16.0    | 11.0   | 14.5   | 17.5  | 12.5   |        |        |
| WLAN n-mode        | 2450                | OFDM            | 1          | 2412 – 2462<br>2412 – 2472        | 13.0                       | 16.0    | 11.0   | 14.5   | 17.5  | 12.5   |        |        |

Outside of USA and Canada, the transmitter of the device is capable of operating also in GSM/GPRS/EGPRS900, GSM/GPRS/EGPRS1800 and WCDMA/HSUPA2100 bands which are not part of this filing.

---

This device has Voice-over-IP/Dual Transfer Mode capability for use at the ear. Therefore, SAR for multi slot GPRS mode was evaluated against the head profile of the phantom. Dual Transfer Mode is a feature that utilises the multi-slot GPRS capability in this device; it allows simultaneous transmission of voice and data during the same call, using the same transmitter and antenna.

This device has also HSUPA capabilities in all WCDMA bands listed above. HSUPA target powers are always lower than or equal to the corresponding WCDMA target power listed above, details of the HSUPA MPR scheme, power targets and power results can be found in Appendix D. This is a WCDMA HSUPA device, but SAR tests for HSUPA mode have not been performed as no HSUPA Sub-test mode has an average power > 0.25dB above the basic WCDMA 12.2kbps RMC mode. Appendix C of this report gives a summary of the measured WCDMA and HSUPA average powers; a detailed report of these WCDMA and HSUPA conducted power tests is submitted separately.

This is an LTE Category 3 device; it contains five LTE bands, namely LTE bands 700, 850, 1700/2100, 1900 and 2500. In LTE700(Band 17), the device possesses Channel Bandwidths of 10MHz and 5MHz; in LTE850(Band 5), the device possesses Channel Bandwidths of 10MHz, 5MHz, 3MHz and 1.4MHz; in LTE1700/2100(Band 4) and in LTE1900(Band 2), the device possesses Channel Bandwidths of 20MHz, 15MHz, 10MHz, 5MHz, 3MHz and 1.4MHz; in LTE2500(Band 7) Channel Bandwidths of 20MHz, 15MHz, 10MHz and 5MHz are available.

This is a BT Class 1 device and its power tuning target upper limit is 11.5dBm. WLAN2450 power tuning target upper limit is 17.5dBm. Since WLAN2450 and BT use same frequency and antenna, WLAN2450 power is 6.0dB higher, and they cannot transmit simultaneously, the WLAN2450 standalone SAR is conservative estimation of BT SAR. As WLAN2450 SAR result is below limit, also BT SAR can be deemed to comply without further analysis or standalone measurements. Also WLAN2450+cellular bands combined SAR results can be regarded as conservative estimation of BT+cellular combined SARs. As WLAN2450+cellular combined SAR result are below limit, also BT+cellular combined SAR can be deemed to comply without further analysis and estimations required in KDB 447498 for simultaneous transmission exclusion.

This device has Wireless Router "Hotspot" mode capability.

Two antennas are used for transmission of some of the cellular bands in diversity-Tx mode. In this mode the antennas can not transmit at the same time. See table below for applicable antennas in each transmission band and mode. A separate single antenna is used for WLAN. All antennas are fully and separately SAR tested for individual transmission. Simultaneous transmissions with WLAN2450 are assessed separately for both cellular antennas.

|                    | Tx Antennas |           |
|--------------------|-------------|-----------|
|                    | Antenna 1   | Antenna 2 |
| GSM/GPRS/EGPRS850  | -           | ✓         |
| GSM/GPRS/EGPRS1900 | ✓           | -         |
| WCDMA850 (Band 5)  | ✓           | ✓         |
| WCDMA1700 (Band 4) | ✓           | ✓         |
| WCDMA1900 (Band 2) | ✓           | ✓         |
| LTE1900 (Band 2)   | ✓           | ✓         |
| LTE1700 (Band 4)   | ✓           | ✓         |
| LTE850 (Band 5)    | ✓           | ✓         |
| LTE 700(Band 17)   | ✓           | ✓         |
| LTE2500 (Band 7)   | -           | ✓         |

Simultaneous transmission of any singular cellular, AWS and PCS band is possible with WLAN in Head, Body-worn and Wireless router use according to the table below.

| Simultaneous transmission capabilities in Head, Body-worn and Wireless Router use |          |
|---|----------|
|   | WLAN2450 |
| GSM/GPRS/EGPRS850   | ✓        |
| GSM/GPRS/EGPRS1900  | ✓        |
| WCDMA850 (Band 5)   | ✓        |
| WCDMA1700 (Band 4)  | ✓        |
| WCDMA1900 (Band 2)  | ✓        |
| LTE1900 (Band 2)  | ✓        |
| LTE1700 (Band 4)  | ✓        |
| LTE850 (Band 5)   | ✓        |
| LTE 700(Band 17)  | ✓        |
| LTE2500 (Band 7)  | ✓        |

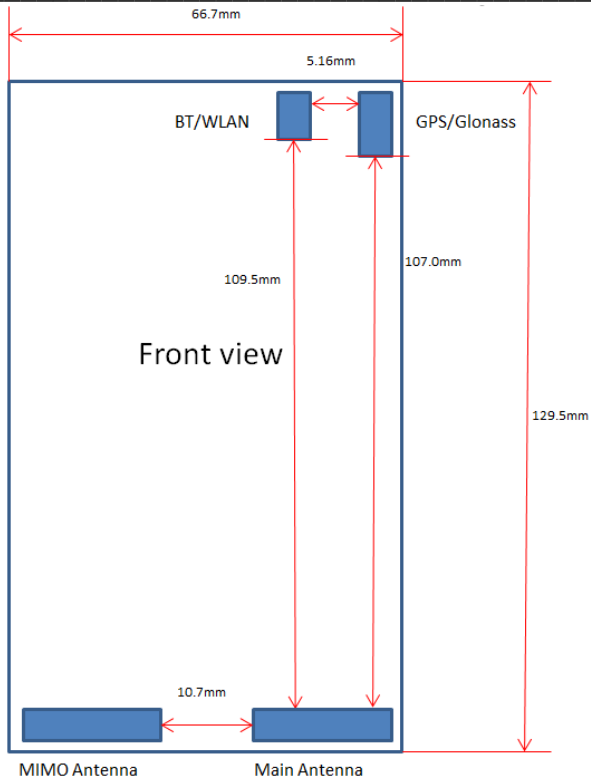
## 2.1 Power reductions in Wireless Router configurations

The following table details the power reductions active in Wireless Router mode:

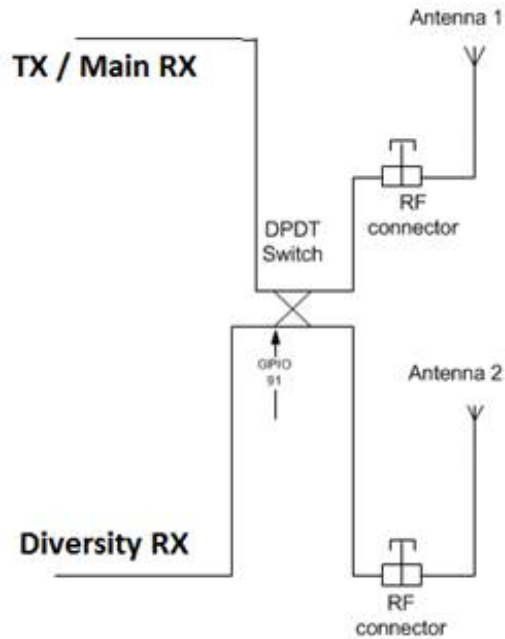
| Band                                    | Power reduction in WR mode | Target tuning power in WR mode   |  |                |
|---|----------------------------|--|--|----------------|
| LTE700                                  | 0 dB                       | 23.0dBm  |  |                |
| GPRS/EGPRS850                           | 0 dB                       | 1-slot GPRS: 32.2dBm<br>2-slot GPRS: 29.3dBm<br>3-slot GPRS: 27.5dBm<br>4-slot GPRS: 26.3dBm | 1-slot EGPRS: 26.0dBm<br>2-slot EGPRS: 24.5dBm<br>3-slot EGPRS: 23.0dBm<br>4-slot EGPRS: 21.5dBm |                |
| WCDMA850                                | 0 dB                       | 23.5dBm  |  |                |
| LTE850                                  | 0 dB                       | 23.0dBm  |  |                |
| WCDMA1700/2100                          | 1.5 dB                     | 22.0dBm  |  |                |
| LTE1700/2100                            | 1.5 dB                     | 21.5dBm  |  |                |
| GPRS/EGPRS1900                          | 0 dB                       | 1-slot GPRS: 29.5dBm<br>2-slot GPRS: 29.0dBm<br>3-slot GPRS: 27.2dBm<br>4-slot GPRS: 25.5dBm | 1-slot EGPRS: 26.0dBm<br>2-slot EGPRS: 25.6dBm<br>3-slot EGPRS: 24.2dBm<br>4-slot EGPRS: 22.6dBm |                |
| WCDMA1900                               | 1.5 dB                     | 21.5dBm  |  |                |
| LTE1900                                 | 1.5 dB                     | 21.0dBm  |  |                |
| LTE2500 (QPSK)                          | 1.5 dB                     | 20.5dBm  |  |                |
| WLAN2450 b-mode (DSSS 1 Mbps)           | 0 dB                       | Ch 1: 16.0dBm  | Ch 2-10: 16.0dBm   | Ch 11: 16.0dBm |
| WLAN2450 g-mode (OFDM 6 Mbps)           | 0 dB                       | Ch 1: 13.0dBm  | Ch 2-10: 16.0dBm   | Ch 11: 11.0dBm |
| WLAN2450 n-mode (MCS 0 – OFDM 6.5 Mbps) | 0 dB                       | Ch 1: 13.0dBm  | Ch 2-10: 16.0dBm   | Ch 11: 11.0dBm |

## 2.2 Description of the Antenna

The device has 2 separate internal antennas for cellular, AWS and PCS use and one internal antenna for WLAN use. The cellular antenna 1 is located at the near right bottom underneath the back cover and cellular antenna 2 is located at the near left bottom underneath the back cover. The WLAN antenna is located at the top underneath the back cover.



Schematics showing Tx and Rx circuitry, antenna switch, conducted ports and antenna.



### 3. TEST CONDITIONS

#### 3.1 Temperature and Humidity

|                           |             |
|---------------------------|-------------|
| Ambient temperature (°C): | 20.5 – 22.5 |
| Ambient humidity (RH %):  | 35 - 55     |

#### 3.2 Test Signal, Frequencies and Output Power

The device was put into operation by using a call tester except for testing WLAN2450 where control software was used. Communication between the device and the call tester was established by air link.

The conducted output power of the device was measured by a separate test laboratory on the same unit(s) as used for SAR testing. The results are given in the appendixes G-J of this report.

The device output power was set to maximum power level for all tests; a fully charged battery was used for every test sequence.

In all operating bands the measurements were performed on lowest, middle and highest channels, and/or on all required test channels as defined in Published FCC KDB Procedures.

The number of Tx slots in all GSM/GPRS mode tests was based on tuning target/conducted power data, see Appendix H. The number of slots with highest or equal highest time-average power was tested.

The transmission mode of the device in all WCDMA tests was configured to 12.2kbps RMC with all TPC bits set as “1”. All WCDMA testing has been carried out in accordance with FCC KDB 941225: SAR Measurement Procedures for 3G Devices.

The transmission mode of the device in all WLAN b-mode tests was BPSK 1Mbps. Additionally in WLAN n-mode QPSK 26.0/28.9Mbps was used for check measurements. These modes have the highest time-averaged output power of all the WLAN a, b, g and n modulation modes in this device as illustrated in table in Appendix J .All WLAN testing has been carried out in accordance with FCC KDB 248227: SAR Measurement Procedures for 802.11 a/b/g Transmitters.

LTE band has been tested according to the guidance given in KDB941225 D05 SAR for LTE Devices v01. MPR values as stipulated in Table 6.2.3\_1 of 3GPP TS 36.101 (presented below) have been incorporated into the device; these MPR values are dependent on the modulation, Channel Bandwidth and Resource Block allocations as shown:



Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 3

| Modulation | Channel bandwidth / Transmission bandwidth (RB) |         |       |        |        |        | MPR (dB) |
|------------|---|---------|-------|--------|--------|--------|----------|
|            | 1.4 MHz   | 3.0 MHz | 5 MHz | 10 MHz | 15 MHz | 20 MHz |          |
| QPSK       | > 5   | > 4     | > 8   | > 12   | > 16   | > 18   | ≤ 1      |
| 16 QAM     | ≤ 5   | ≤ 4     | ≤ 8   | ≤ 12   | ≤ 16   | ≤ 18   | ≤ 1      |
| 16 QAM     | > 5   | > 4     | > 8   | > 12   | > 16   | > 18   | ≤ 2      |

No additional MPR settings have been incorporated into the design of the device and therefore no A-MPR settings have been active during its testing.

Here is a summary list of the KDB documents used in the reported testing:

- KDB941225 D05 SAR for LTE Devices v02r02 DR07-41372
- KDB 941225 D01 SAR Measurement Procedures for 3G Devices
- KDB 248227: SAR Measurement Procedures for 802.11 a/b/g Transmitters
- KDB 648474 D04 SAR Handsets Multi Xmitter and Ant v01
- KDB 941225 D06 v01 Hot Spot SAR
- KDB 447498 D01 General RF Exposure Guidance v05
- KDB 690783 D01 SAR Listings on Grants
- KDB 865664 D01 SAR Measurements 100MHz to 6GHz v01
- KDB 865664 D02 SAR Reporting v01

#### 4. DESCRIPTION OF THE TEST EQUIPMENT

##### 4.1 Measurement System and Components

The measurements were performed using an automated DASY near-field scanning system manufactured by Schmid & Partner Engineering AG (SPEAG) in Switzerland. The SAR extrapolation algorithm used in all measurements was the ‘advanced extrapolation’ algorithm.

The following table lists calibration dates of SPEAG components:

| Test Equipment                 | Serial Number | Calibration date | Calibration expiry |
|--------------------------------|---------------|------------------|--------------------|
| DAE4                           | 756           | 2014-01          | 2015-01            |
| DAE4                           | 1301          | 2014-01          | 2015-01            |
| DAE4                           | 1332          | 2014-01          | 2015-01            |
| ES3DV3                         | 3275          | 2014-01          | 2015-01            |
| EX3DV4                         | 3817          | 2014-01          | 2015-01            |
| ES3DV3                         | 3112          | 2014-01          | 2015-01            |
| Dipole Validation Kit, D750V3  | 1010          | 2013-03          | 2015-03            |
| Dipole Validation Kit, D835V2  | 4d040         | 2012-09          | 2014-09            |
| Dipole Validation Kit, D1750V2 | 1081          | 2012-12          | 2014-12            |
| Dipole Validation Kit, D1900V2 | 5d099         | 2013-01          | 2015-01            |
| Dipole Validation Kit, D2450V2 | 800           | 2012-09          | 2014-09            |
| Dipole Validation Kit, D2600V2 | 1064          | 2013-07          | 2015-07            |
| DASY5 software                 | Version 52.8  | -                | -                  |

Additional test equipment used in testing:

| Test Equipment       | Model       | Serial Number | Calibration date | Calibration expiry |
|----------------------|-------------|---------------|------------------|--------------------|
| Signal Generator     | E8247C      | MY43321016    | 2012-07          | 2014-07            |
| Signal Generator     | N5181B      | MY51350034    | 2013-06          | 2016-06            |
| Signal Generator     | E8257C      | MY43350540    | 2013-06          | 2015-06            |
| Amplifier            | ZHL-1000-3W | 15542         | -                | -                  |
| Amplifier            | ZYE-8G+     | N811401219    | -                | -                  |
| Amplifier            | KM0822-8R   | 981441        | -                | -                  |
| Power Meter          | E4419B      | GB3920697     | 2013-07          | 2015-07            |
| Power Meter          | E4419B      | GB40202156    | 2013-07          | 2015-07            |
| Power Meter          | E4417A      | GB41291021    | 2013-04          | 2015-04            |
| Power Sensor         | 8482H       | 3318A06406    | 2013-07          | 2014-07            |
| Power Sensor         | E4412A      | US38484674    | 2013-07          | 2014-07            |
| Power Sensor         | 8481H       | MY41090586    | 2013-07          | 2014-07            |
| Power Sensor         | E9301A      | US39211864    | 2013-07          | 2014-07            |
| Power Sensor         | E9325A      | US40420196    | 2014-03          | 2015-03            |
| Power Sensor         | E9325A      | US40420191    | 2014-02          | 2015-02            |
| Call Tester          | CMU 200     | 100925        | 2014-01          | 2015-01            |
| Call Tester          | E5515C      | GB42230195    | 2013-04          | 2015-04            |
| Call Tester          | CMU 200     | 100304        | 2014-01          | 2015-01            |
| Call Tester          | E5515C      | GB42230129    | 2013-01          | 2015-01            |
| Call Tester          | CMW500      | 136294-CF     | 2014-01          | 2015-01            |
| Call Tester          | CMU 200     | 114271        | 2012-10          | 2014-10            |
| Network Analyzer     | ENA E5071C  | MY46315958    | 2013-07          | 2014-07            |
| Dielectric Probe Kit | DAK-3.5     | 1064          | 2013-10          | 2015-10            |
| Spectrum Analyzer    | 9kHz-7GHz   | 100084        | 2013-05          | 2014-05            |

#### 4.1.1 Isotropic E-field Probe Type ES3DV3

|                      |  |
|----------------------|--|
| <b>Construction</b>  | Symmetrical design with triangular core<br>Interleaved sensors<br>Built-in shielding against static charges<br>PEEK enclosure material (resistant to organic solvents, e.g., butyl diglycol) |
| <b>Calibration</b>   | Calibration certificate in Appendix E  |
| <b>Frequency</b>     | 10 MHz to 4 GHz (dosimetry); Linearity: $\pm 0.2$ dB (30 MHz to 4 GHz)   |
| <b>Directivity</b>   | $\pm 0.2$ dB in HSL (rotation around probe axis)<br>$\pm 0.3$ dB in HSL (rotation normal to probe axis)  |
| <b>Dynamic Range</b> | 5 $\mu$ W/g to > 100 mW/g; Linearity: $\pm 0.2$ dB   |
| <b>Dimensions</b>    | Overall length: 330 mm<br>Tip length: 20 mm<br>Body diameter: 12 mm<br>Tip diameter: 3.9 mm  |
| <b>Application</b>   | Distance from probe tip to dipole centers: 2.0 mm<br>General dosimetry up to 4 GHz<br>Compliance tests of mobile phones<br>Fast automatic scanning in arbitrary phantoms                     |

#### 4.1.2 Isotropic E-field Probe Type EX3DV4

|                      |  |
|----------------------|--|
| <b>Construction</b>  | Symmetrical design with triangular core<br>Built-in shielding against static charges<br>PEEK enclosure material (resistant to organic solvents, e.g., DGBE)              |
| <b>Calibration</b>   | Calibration certificate in Appendix E  |
| <b>Frequency</b>     | 10 MHz to >6 GHz (dosimetry); Linearity: $\pm 0.2$ dB (30 MHz to 6 GHz)  |
| <b>Directivity</b>   | $\pm 0.3$ dB in HSL (rotation around probe axis)<br>$\pm 0.5$ dB in tissue material (rotation normal to probe axis)  |
| <b>Dynamic Range</b> | 10 $\mu$ W/g to > 100 mW/g, Linearity: $\pm 0.2$ dB  |
| <b>Dimensions</b>    | Overall length: 330 mm<br>Tip length: 10 mm<br>Body diameter: 12 mm<br>Tip diameter: 2.5 mm  |
| <b>Application</b>   | Distance from probe tip to dipole centers: 1.0 mm<br>General dosimetry up to 6 GHz<br>Compliance tests of mobile phones<br>Fast automatic scanning in arbitrary phantoms |

## 4.2 Phantoms

The phantom used for all tests i.e. for both system checks and device testing, was the twin-headed "SAM Phantom", manufactured by SPEAG. The phantom conforms to the requirements of IEEE 1528.

The SPEAG device holder (see Section 5.1) was used to position the device in all tests whilst a tripod was used to position the validation dipoles against the flat section of phantom.

## 4.3 Tissue Simulants

Recommended values for the dielectric parameters of the tissue simulants are given in IEEE 1528 and FCC published RF Exposure KDB Procedures. All tests were carried out using simulants whose dielectric parameters were within  $\pm 5\%$  of the recommended values. All tests were carried out within 24 hours of measuring the dielectric parameters.

The depth of the tissue simulant was at least 15.0 cm measured from the ear reference point during system checking and device measurements.

### 4.3.1 Tissue Simulant Recipes

The following recipe(s) were used for Head and Body tissue simulant(s):

#### 700MHz band

| Ingredient      | Head<br>(% by weight) | Body<br>(% by weight) |
|-----------------|-----------------------|-----------------------|
| Deionised Water | 52.13                 | 69.23                 |
| Tween 20        | 46.59                 | 29.56                 |
| Salt            | 1.28                  | 1.21                  |

#### 800MHz band

| Ingredient      | Head<br>(% by weight) | Body<br>(% by weight) |
|-----------------|-----------------------|-----------------------|
| Deionised Water | 51.50                 | 69.25                 |
| Tween 20        | 47.35                 | 30.00                 |
| Salt            | 1.15                  | 0.75                  |

#### 1800MHz band

| Ingredient      | Head<br>(% by weight) | Body<br>(% by weight) |
|-----------------|-----------------------|-----------------------|
| Deionised Water | 54.0                  | 70.20                 |
| Tween 20        | 45.6                  | 29.37                 |
| Salt            | 0.4                   | 0.43                  |

**1900MHz band**

| Ingredient      | Head<br>(% by weight) | Body<br>(% by weight) |
|-----------------|-----------------------|-----------------------|
| Deionised Water | 54.50                 | 70.25                 |
| Tween 20        | 45.23                 | 29.41                 |
| Salt            | 0.27                  | 0.34                  |

**2450MHz band**

| Ingredient      | Head<br>(% by weight) | Body<br>(% by weight) |
|-----------------|-----------------------|-----------------------|
| Deionised Water | 56.0                  | 70.20                 |
| Tween 20        | 44.0                  | 29.62                 |
| Salt            | -                     | 0.18                  |

**4.4 System validation and System checking**

**4.4.1 System validation status**

| Probe Calibration Point f / MHz | Test System           | DASY SW | Dipole Type / SN | Probe Type / SN | Calibrated signal type(s) | DAE unit Type / SN | Validation done      |                      |
|---------------------------------|-----------------------|---------|------------------|-----------------|---------------------------|--------------------|----------------------|----------------------|
|                                 |                       |         |                  |                 |                           |                    | Head tissue simulant | Body tissue simulant |
| 750                             | TCC San Diego / SAR-2 | V52.8   | D750V3 / 1010    | ES3DV3 / 3275   | CW                        | DAE4 / 756         | 2014-02              | 2014-02              |
| 835                             | TCC San Diego / SAR-2 | V52.8   | D835V2 / 4d040   | ES3DV3 / 3275   | CW                        | DAE4 / 756         | 2014-01              | 2014-02              |
| 1750                            | TCC San Diego / SAR-4 | V52.8   | D1750V3 / 1081   | ES3DV3 / 3112   | CW / LTEFDD               | DAE4 / 1332        | 2014-03              | 2014-04              |
| 1900                            | TCC San Diego / SAR-4 | V52.8   | D1900V2 / 5d099  | ES3DV3 / 3112   | CW                        | DAE4 / 1332        | 2014-02              | 2014-04              |
| 2450                            | TCC San Diego / SAR-3 | V52.8   | D2450V2 / 800    | EX3DV4 / 3817   | CW                        | DAE4 / 1301        | 2014-03              | 2014-04              |
| 2600                            | TCC San Diego / SAR-2 | V52.8   | D2600V3 / 1064   | ES3DV3 / 3275   | CW / LTETDD               | DAE4 / 756         | 2014-04              | 2014-04              |

**4.4.2 System checking**

The manufacturer calibrates the probes annually. Dielectric parameters of the tissue simulants were measured every day using the dielectric probe kit and the network analyser. A system check measurement was made following the determination of the dielectric parameters of the simulant, using the dipole validation kit. A power level of 250 mW was supplied to the dipole antenna, which was placed under the flat section of the twin SAM phantom for head system

checking, and under the flat phantom for body system checking. The system checking results (dielectric parameters and SAR values) are given in the table below.

**System checking, head tissue simulant**

| f [MHz] | Description            | SAR 1g [W/kg] | Estimated SAR 1g [W/kg] | Estimated SAR 1g Deviation | Scaled 1W SAR 1g [W/kg] | Dielectric Parameters* |                | SAR 1g Deviation from target                    | Dielectric Parameters Deviation from target |               | Temp [°C] | Plot # |
|---------|------------------------|---------------|-------------------------|----------------------------|-------------------------|------------------------|----------------|---|---|---------------|-----------|--------|
|         |                        |               |                         | dSAR [%]                   |                         | $\epsilon_r$           | $\sigma$ [S/m] | dSAR [%]  | $d\epsilon_r$ [%]                           | $d\sigma$ [%] |           |        |
|         | Tolerances             |               |                         | ±3%                        |                         |                        |                | ±10 %   | ±5 %  | ±5 %          |           |        |
| 750     | Target result SN:1010  | -             | -                       | -                          | 8.50                    | 41.9                   | 0.89           | TCC San Diego/SAR-2 ES3DV3 SN:3275 Head 750MHz  |   |               |           |        |
|         | 2014-04-11             | 2.27          | 2.31                    | 1.76                       | 9.08                    | 40.5                   | 0.88           | 6.82  | -3.34                                       | -1.12         | 21.5      | 1      |
| 835     | Target result SN:4d040 | -             | -                       | -                          | 9.49                    | 41.5                   | 0.90           | TCC San Diego/SAR-2 ES3DV3 SN:3275 Head 835MHz  |   |               |           |        |
|         | 2014-04-08             | 2.55          | 2.58                    | 1.18                       | 10.20                   | 40.2                   | 0.88           | 7.48  | -3.13                                       | -2.22         | 21.5      | -      |
|         | 2014-04-09             | 2.57          | 2.62                    | 1.95                       | 10.28                   | 40.3                   | 0.89           | 8.32  | -2.89                                       | -1.11         | 21.5      | -      |
|         | 2014-04-10             | 2.59          | 2.63                    | 1.54                       | 10.36                   | 40.3                   | 0.89           | 9.17  | -2.89                                       | -1.11         | 21.5      | 2      |
| 1750    | Target result SN:1081  | -             | -                       | -                          | 36.5                    | 40.1                   | 1.37           | TCC San Diego/SAR-1 ES3DV3 SN:3112 Head 1750MHz |   |               |           |        |
|         | 2014-04-10             | 9.05          | 9.25                    | 2.21                       | 36.20                   | 40.0                   | 1.36           | -0.82   | -0.25                                       | -0.73         | 21.5      | -      |
|         | 2014-04-11             | 9.32          | 9.51                    | 2.04                       | 37.28                   | 40.4                   | 1.35           | 2.14  | 0.75  | -1.46         | 21.5      | 3      |
| 1900    | Target result SN:5d099 | -             | -                       | -                          | 40.6                    | 40.0                   | 1.40           | TCC San Diego/SAR-1 ES3DV3 SN:3112 Head 1900MHz |   |               |           |        |
|         | 2014-04-08             | 10.50         | 10.70                   | 1.90                       | 42.00                   | 38.6                   | 1.40           | 3.45  | -3.50                                       | 0.00          | 21.5      | 4      |
|         | 2014-04-09             | 10.30         | 10.60                   | 2.91                       | 41.20                   | 38.7                   | 1.39           | 1.48  | -3.25                                       | -0.71         | 21.5      | -      |
|         | 2014-04-10             | 10.20         | 10.40                   | 1.96                       | 40.80                   | 38.4                   | 1.40           | 0.49  | -4.00                                       | 0.00          | 21.5      | -      |
|         | 2014-04-24             | 9.89          | 9.99                    | 1.00                       | 39.56                   | 39.4                   | 1.39           | -2.56   | -1.50                                       | -0.71         | 21.5      | -      |
| 2450    | Target result SN:800   | -             | -                       | -                          | 53.2                    | 39.2                   | 1.80           | TCC San Diego/SAR-1 EX3DV4 SN:3817 Head 2450MHz |   |               |           |        |
|         | 2014-04-08             | 13.90         | 13.90                   | 0.00                       | 55.60                   | 38.4                   | 1.81           | 4.51  | -2.04                                       | 0.56          | 21.5      | 5      |
| 2600    | Target result SN:1064  | -             | -                       | -                          | 58.4                    | 39.0                   | 1.96           | TCC San Diego/SAR-2 ES3DV3 SN:3275 Head 2600MHz |   |               |           |        |
|         | 2014-04-14             | 15.10         | 15.50                   | 2.65                       | 60.40                   | 37.4                   | 1.96           | 3.42  | -4.10                                       | 0.00          | 21.5      | 6      |

\* Dielectric parameter reference data taken from IEEE1528/IEC62209

**System checking, body tissue simulant**

| f [MHz] | Description            | SAR 1g [W/kg] | Estimated SAR 1g [W/kg] | Estimated SAR 1g Deviation | Scaled 1W SAR 1g [W/kg] | Dielectric Parameters* |                | SAR 1g Deviation from target                    | Dielectric Parameters Deviation from target |                | Temp p [°C] | Plot # |
|---------|------------------------|---------------|-------------------------|----------------------------|-------------------------|------------------------|----------------|---|---|----------------|-------------|--------|
|         |                        |               |                         | dSAR [%]                   |                         | $\epsilon_r$           | $\sigma$ [S/m] | dSAR [%]  | d $\epsilon_r$ [%]                          | d $\sigma$ [%] |             |        |
|         | Tolerances             |               |                         | ±3%                        |                         |                        |                | ±10 %   | ±5 %  | ±5 %           |             |        |
| 750     | Target result SN:1010  | -             | -                       | -                          | 8.68                    | 55.5                   | 0.96           | TCC San Diego/SAR-2 ES3DV3 SN:3275 Body 835MHz  |   |                |             |        |
|         | 2014-04-18             | 2.26          | 2.27                    | 0.44                       | 9.04                    | 54.4                   | 0.94           | 2.26  | -1.98                                       | -2.08          | 21.5        | 7      |
| 835     | Target result SN:4d040 | -             | -                       | -                          | 9.50                    | 55.2                   | 0.97           | TCC San Diego/SAR-2 ES3DV3 SN:3275 Body 835MHz  |   |                |             |        |
|         | 2014-04-16             | 2.43          | 2.46                    | 1.23                       | 9.72                    | 53.5                   | 0.97           | 2.32  | -3.08                                       | 0.00           | 21.5        | -      |
|         | 2014-04-17             | 2.38          | 2.40                    | 0.84                       | 9.52                    | 53.6                   | 0.97           | 0.21  | -2.90                                       | 0.00           | 21.5        | -      |
|         | 2014-04-18             | 2.51          | 2.54                    | 1.20                       | 10.04                   | 53.3                   | 0.97           | 5.68  | -3.44                                       | 0.00           | 21.5        | -      |
|         | 2014-04-21             | 2.21          | 2.22                    | 0.45                       | 8.84                    | 53.3                   | 0.98           | -6.95   | -3.44                                       | 1.03           | 21.5        | 8      |
| 1750    | Target result SN:1081  | -             | -                       | -                          | 37.3                    | 53.4                   | 1.49           | TCC San Diego/SAR-1 ES3DV3 SN:3112 Body 1750MHz |   |                |             |        |
|         | 2014-04-16             | 9.22          | 9.31                    | 0.98                       | 36.88                   | 53.1                   | 1.43           | -1.13   | -0.56                                       | -4.03          | 21.5        | 9      |
|         | 2014-04-17             | 9.38          | 9.49                    | 1.17                       | 37.52                   | 53.0                   | 1.45           | 0.59  | -0.75                                       | -2.68          | 21.5        | -      |
| 1900    | Target result SN:5d099 | -             | -                       | -                          | 41.0                    | 53.3                   | 1.52           | TCC San Diego/SAR-1 ES3DV3 SN:3112 Body 1750MHz |   |                |             |        |
|         | 2014-04-12             | 9.98          | 9.91                    | -0.70                      | 39.92                   | 52.2                   | 1.48           | -2.63   | -2.06                                       | -2.63          | 21.5        | 10     |
|         | 2014-04-14             | 10.00         | 9.99                    | -0.10                      | 40.00                   | 52.6                   | 1.48           | -2.44   | -1.31                                       | -2.63          | 21.5        | -      |
|         | 2014-04-24             | 10.00         | 10.00                   | 0.00                       | 40.00                   | 52.2                   | 1.48           | -2.44   | -2.06                                       | -2.63          | 21.5        | -      |
| 2450    | Target result SN:800   | -             | -                       | -                          | 50.9                    | 52.7                   | 1.95           | TCC San Diego/SAR-1 EX3DV4 SN:3817 Body 2450MHz |   |                |             |        |
|         | 2014-04-10             | 13.00         | 13.00                   | 0.00                       | 52.00                   | 53.0                   | 1.89           | 2.16  | 0.57  | -3.08          | 21.5        | -      |
|         | 2014-04-11             | 13.10         | 13.00                   | -0.76                      | 52.40                   | 53.4                   | 1.89           | 2.95  | 1.33  | -3.08          | 21.5        | 11     |
| 2600    | Target result SN:1064  | -             | -                       | -                          | 56.5                    | 52.5                   | 2.16           | TCC San Diego/SAR-1 ES3DV3 SN:3275 Body 2600MHz |   |                |             |        |
|         | 2014-04-15             | 14.10         | 14.30                   | 1.42                       | 56.40                   | 53.1                   | 2.08           | -0.18   | 1.14  | -3.70          | 21.5        | -      |
|         | 2014-04-16             | 14.20         | 14.50                   | 2.11                       | 56.80                   | 53.1                   | 2.09           | 0.53  | 1.14  | -3.24          | 21.5        | 12     |

\* Dielectric parameter reference data taken from FCC Published RF Exposure KDB Procedures

Plots of the system checking scans are given in Appendix A.



#### 4.5 Tissue Simulants used in the Measurements

##### Head tissue simulant measurements

| f<br>[MHz] | Description       | Dielectric Parameters |                | Dielectric Parameters Deviation from recommended value |               | Temp<br>[°C] |
|------------|-------------------|-----------------------|----------------|--|---------------|--------------|
|            |                   | $\epsilon_r$          | $\sigma$ [S/m] | $d\epsilon_r$ [%]                                      | $d\sigma$ [%] |              |
|            | Tolerances        |                       |                | ±5 %   | ±5 %          |              |
| 710        | Recommended value | 41.8                  | 0.90           |  |               |              |
|            | 2014-04-11        | 40.7                  | 0.86           | -3.33  | -3.37         | 21.5         |
| 835        | Recommended value | 41.5                  | 0.90           |  |               |              |
|            | 2014-04-08        | 40.2                  | 0.88           | -3.13  | -2.22         | 21.5         |
|            | 2014-04-09        | 40.3                  | 0.89           | -2.89  | -1.11         | 21.5         |
|            | 2014-04-10        | 40.3                  | 0.89           | -2.89  | -1.11         | 21.5         |
| 836        | Recommended value | 41.5                  | 0.90           |  |               |              |
|            | 2014-04-08        | 40.2                  | 0.88           | -3.13  | -2.22         | 21.5         |
|            | 2014-04-09        | 40.3                  | 0.89           | -2.89  | -1.11         | 21.5         |
|            | 2014-04-10        | 40.3                  | 0.89           | -2.89  | -1.11         | 21.5         |
| 1732       | Recommended value | 40.1                  | 1.36           |  |               |              |
|            | 2014-04-10        | 40.1                  | 1.34           | 0.00   | -1.47         | 21.5         |
|            | 2014-04-11        | 40.5                  | 1.34           | 1.00   | -1.47         | 21.5         |
| 1880       | Recommended value | 40.0                  | 1.40           |  |               |              |
|            | 2014-04-08        | 38.6                  | 1.38           | -3.50  | -1.43         | 21.5         |
|            | 2014-04-09        | 38.8                  | 1.38           | -3.00  | -1.43         | 21.5         |
|            | 2014-04-10        | 38.5                  | 1.38           | -3.75  | -1.43         | 21.5         |
|            | 2014-04-24        | 39.4                  | 1.38           | -1.50  | -1.43         | 21.5         |
| 2437       | Recommended value | 39.2                  | 1.79           |  |               |              |
|            | 2014-04-08        | 38.4                  | 1.80           | -2.04  | 0.56          | 21.5         |
| 2535       | Recommended value | 39.1                  | 1.89           |  |               |              |
|            | 2014-04-14        | 37.6                  | 1.89           | -3.84  | 0.00          | 21.5         |

**Body tissue simulant measurements**

| f<br>[MHz] | Description       | Dielectric Parameters |                | Dielectric Parameters Deviation from Recommended value |               | Temp<br>[°C] |
|------------|-------------------|-----------------------|----------------|--|---------------|--------------|
|            |                   | $\epsilon_r$          | $\sigma$ [S/m] | $d\epsilon_r$ [%]                                      | $d\sigma$ [%] |              |
|            | Tolerances        |                       |                | ±5 %   | ±5 %          |              |
| 710        | Recommended value | 55.4                  | 0.97           |  |               |              |
|            | 2014-04-18        | 54.6                  | 0.92           | -1.97  | -4.17         | 21.5         |
| 835        | Recommended value | 55.2                  | 0.97           |  |               |              |
|            | 2014-04-16        | 53.5                  | 0.97           | -3.08  | 0.00          | 21.5         |
|            | 2014-04-17        | 53.6                  | 0.97           | -2.90  | 0.00          | 21.5         |
|            | 2014-04-18        | 53.3                  | 0.97           | -3.44  | 0.00          | 21.5         |
|            | 2014-04-21        | 53.3                  | 0.98           | -3.44  | 1.03          | 21.5         |
| 836        | Recommended value | 55.2                  | 0.97           |  |               |              |
|            | 2014-04-16        | 53.5                  | 0.97           | -3.08  | 0.00          | 21.5         |
|            | 2014-04-17        | 53.5                  | 0.97           | -3.08  | 0.00          | 21.5         |
|            | 2014-04-18        | 53.3                  | 0.97           | -3.44  | 0.00          | 21.5         |
|            | 2014-04-21        | 53.3                  | 0.98           | -3.44  | 1.03          | 21.5         |
| 1732       | Recommended value | 53.5                  | 1.48           |  |               |              |
|            | 2014-04-16        | 53.1                  | 1.42           | -0.75  | -4.05         | 21.5         |
|            | 2014-04-17        | 53.0                  | 1.43           | -0.93  | -3.38         | 21.5         |
| 1880       | Recommended value | 53.3                  | 1.52           |  |               |              |
|            | 2014-04-12        | 52.3                  | 1.45           | -1.88  | -4.61         | 21.5         |
|            | 2014-04-14        | 52.7                  | 1.46           | -1.13  | -3.95         | 21.5         |
|            | 2014-04-24        | 52.2                  | 1.46           | -2.06  | -3.95         | 21.5         |
| 2437       | Recommended value | 52.7                  | 1.94           |  |               |              |
|            | 2014-04-10        | 53.1                  | 1.87           | 0.76   | -3.61         | 21.5         |
|            | 2014-04-11        | 53.5                  | 1.88           | 1.52   | -3.09         | 21.5         |
| 2535       | Recommended value | 52.6                  | 2.07           |  |               |              |
|            | 2014-04-15        | 53.2                  | 2.00           | 1.14   | -3.38         | 21.5         |
|            | 2014-04-16        | 53.3                  | 2.00           | 1.33   | -3.38         | 21.5         |

Dielectric parameter data for the band edges is given in Appendix C.

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## 5. DESCRIPTION OF THE TEST PROCEDURE

### 5.1 Device Holder

The device was placed in the device holder (illustrated below) that is supplied by SPEAG as an integral part of the Dasy system.



Device holder supplied by SPEAG

A Nokia designed spacer (illustrated below) was used to position the device within the SPEAG holder. The spacer positions the device so that the holder has minimal effect on the test results but still holds the device securely. The spacer was removed before the tests.



Nokia spacer

### 5.2 Test Positions

#### 5.2.1 Against Phantom Head

Measurements were made in “cheek” and “tilt” positions on both the left hand and right hand sides of the phantom.

The positions used in the measurements were according to IEEE 1528 "IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques".

#### 5.2.2 Body Worn Configuration

The device was placed in the SPEAG holder using the Nokia spacer and placed below the flat phantom. The distance between the device and the phantom was kept at the separation distance indicated in Section 1.2.2 using a separate flat spacer that was removed before the

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start of the measurements. The device was oriented with both sides facing the phantom to find the highest results.

### 5.2.3 Wireless Router Configuration

The device was placed in the SPEAG holder and, in sequence, the back, display and each of the 4 edges was positioned 10.0mm away from the flat phantom. The spacer was removed before the start of the measurements.

## 5.3 Scan Procedures

First, area scans were used for determination of the field distribution. Next, a zoom scan, a minimum of 5x5x7 points covering a volume of at least 30x30x30mm, was performed around the highest E-field value to determine the averaged SAR value. Drift was determined by measuring the same point at the start of the area scan and again at the end of the zoom scan. Fast SAR is measured according to the KDB 447498 D01 General RF Exposure Guidance v05r01.

## 5.4 SAR Averaging Methods

The maximum SAR value was averaged over a cube of tissue using interpolation and extrapolation.

The interpolation, extrapolation and maximum search routines within Dasy4 are all based on the modified Quadratic Shepard's method (Robert J. Renka, "Multivariate Interpolation Of Large Sets Of Scattered Data", University of North Texas ACM Transactions on Mathematical Software, vol. 14, no. 2, June 1988, pp. 139-148).

The interpolation scheme combines a least-square fitted function method with a weighted average method. A trivariate 3-D / bivariate 2-D quadratic function is computed for each measurement point and fitted to neighbouring points by a least-square method. For the zoom scan, inverse distance weighting is incorporated to fit distant points more accurately. The interpolating function is finally calculated as a weighted average of the quadratics.

In the zoom scan, the interpolation function is used to extrapolate the Peak SAR from the deepest measurement points to the inner surface of the phantom.

## 6. MEASUREMENT UNCERTAINTY

Table 6.1 – Measurement uncertainty evaluation for 1g Full SAR in 0.3-6GHz range

| Uncertainty Component   | Section in IEEE 1528 | Tol. (%) | Prob Dist | Div | $C_i$           | $C_i \cdot U_i$ (%) | $V_i$ |
|---|----------------------|----------|-----------|-----|-----------------|---------------------|-------|
| <b>Measurement System</b>   |                      |          |           |     |                 |                     |       |
| Probe Calibration   | E2.1                 | ±6.6     | N         | 1   | 1               | ±6.6                | ∞     |
| Axial Isotropy  | E2.2                 | ±4.7     | R         | √3  | $(1-c_p)^{1/2}$ | ±1.9                | ∞     |
| Hemispherical Isotropy  | E2.2                 | ±9.6     | R         | √3  | $(c_p)^{1/2}$   | ±3.9                | ∞     |
| Boundary Effect   | E2.3                 | ±2.0     | R         | √3  | 1               | ±1.2                | ∞     |
| Linearity   | E2.4                 | ±4.7     | R         | √3  | 1               | ±2.7                | ∞     |
| System Detection Limits   | E2.5                 | ±1.0     | R         | √3  | 1               | ±0.6                | ∞     |
| Modulation response   | E2.5                 | ±2.4     | R         | √3  | 1               | ±1.4                |       |
| Readout Electronics   | E2.6                 | ±0.3     | N         | 1   | 1               | ±0.3                | ∞     |
| Response Time   | E2.7                 | ±0.8     | R         | √3  | 1               | ±0.5                | ∞     |
| Integration Time  | E2.8                 | ±2.6     | R         | √3  | 1               | ±1.5                | ∞     |
| RF Ambient Conditions - Noise   | E6.1                 | ±3.0     | R         | √3  | 1               | ±1.7                | ∞     |
| RF Ambient Conditions - Reflections   | E6.1                 | ±3.0     | R         | √3  | 1               | ±1.7                | ∞     |
| Probe Positioner Mechanical Tolerance   | E6.2                 | ±0.8     | R         | √3  | 1               | ±0.5                | ∞     |
| Probe Positioning with respect to Phantom Shell                                 | E6.3                 | ±6.7     | R         | √3  | 1               | ±3.9                | ∞     |
| Extrapolation, interpolation and Integration Algorithms for Max. SAR Evaluation | E5                   | ±4.0     | R         | √3  | 1               | ±2.3                | ∞     |
| <b>Test sample Related</b>  |                      |          |           |     |                 |                     |       |
| Test Sample Positioning   | E4.2                 | ±6.0     | N         | 1   | 1               | ±6.0                | 11    |
| Device Holder Uncertainty   | E4.1                 | ±3.6     | N         | 1   | 1               | ±3.6                | 5     |
| Output Power Variation - SAR drift measurement                                  | E2.9                 | ±5.0     | R         | √3  | 1               | ±2.9                | ∞     |
| <b>Phantom and Tissue Parameters</b>  |                      |          |           |     |                 |                     |       |
| Phantom Uncertainty (shape and thickness tolerances)                            | E3.1                 | ±6.6     | R         | √3  | 1               | ±3.8                | ∞     |
| SAR correction  | E3.2                 | ±1.9     | R         | √3  | 1               | ±1.1                | ∞     |
| Conductivity Target - tolerance   | E3.4                 | ±5.0     | R         | √3  | 0.6             | ±1.8                | ∞     |
| Conductivity - measurement uncertainty  | E3.3                 | ±5.5     | N         | 1   | 0.6             | ±3.5                | 5     |
| Permittivity Target - tolerance   | E3.4                 | ±5.0     | R         | √3  | 0.6             | ±1.7                | ∞     |
| Permittivity - measurement uncertainty  | E3.3                 | ±2.9     | N         | 1   | 0.6             | ±1.7                | 5     |
| <b>Combined Standard Uncertainty</b>  |                      |          | RSS       |     |                 | ±14.0               | 198   |
| <b>Coverage Factor for 95%</b>  |                      |          | k=2       |     |                 |                     |       |
| <b>Expanded Uncertainty</b>   |                      |          |           |     |                 | ±28.2               |       |

Table 6.2 – Measurement uncertainty evaluation for 1g Fast SAR in 0.3-6GHz range

| Relative DASYS Uncertainty Budget for Fast SAR Tests<br>According to IEEE 1528/2011 and IEC 62209-1/2011<br>(0.3-6 GHz range) |          |            |            |                 |                     |          |
|---|----------|------------|------------|-----------------|---------------------|----------|
| Uncertainty Component   | Tol. (%) | Prob Dist. | Div.       | $C_i$           | $C_i \cdot U_i$ (%) | $V_i$    |
| <b>Measurement System</b>   |          |            |            |                 |                     |          |
| Probe Calibration   | ±6.6     | N          | 1          | 0               |                     |          |
| Axial Isotropy  | ±4.7     | R          | $\sqrt{3}$ | $(1-C_p)^{1/2}$ | ±1.9                | $\infty$ |
| Hemispherical Isotropy  | ±9.6     | R          | $\sqrt{3}$ | $(C_p)^{1/2}$   | ±3.9                | $\infty$ |
| Boundary Effect   | ±2.0     | R          | $\sqrt{3}$ | 1               | ±1.2                | $\infty$ |
| Linearity   | ±4.7     | R          | $\sqrt{3}$ | 1               | ±2.7                | $\infty$ |
| System Detection Limits   | ±1.0     | R          | $\sqrt{3}$ | 1               | ±0.6                | $\infty$ |
| Modulation Response   | ±2.4     | R          | $\sqrt{3}$ | 1               | ±1.4                | $\infty$ |
| Readout Electronics   | ±0.3     | N          | 1          | 0               |                     |          |
| Response Time   | ±0.8     | R          | $\sqrt{3}$ | 0               |                     |          |
| Integration Time  | ±2.6     | R          | $\sqrt{3}$ | 1               | ±1.5                | $\infty$ |
| RF Ambient Conditions - Noise   | ±3.0     | R          | $\sqrt{3}$ | 1               | ±1.7                | $\infty$ |
| RF Ambient Conditions - Reflections   | ±3.0     | R          | $\sqrt{3}$ | 0               |                     |          |
| Probe Positioner Mechanical Tolerance   | ±0.8     | R          | $\sqrt{3}$ | 1               | ±0.5                | $\infty$ |
| Probe Positioning with respect to Phantom Shell   | ±6.7     | R          | $\sqrt{3}$ | 1               | ±3.9                | $\infty$ |
| Spatial x-y Resolution  | ±10.0    | R          | $\sqrt{3}$ | 1               | ±5.8                | $\infty$ |
| Fast SAR z Approximation  | ±14.0    | R          | $\sqrt{3}$ | 1               | ±8.1                | $\infty$ |
| <b>Test sample Related</b>  |          |            |            |                 |                     |          |
| Test Sample Positioning   | ±6.0     | N          | 1          | 1               | ±6.0                | 12       |
| Device Holder Uncertainty   | ±3.6     | N          | 1          | 1               | ±3.6                | 5        |
| Output Power Variation - SAR drift measurement  | ±5.0     | R          | $\sqrt{3}$ | 1               | ±2.9                | $\infty$ |
| Power Scaling   | ±0       | R          | $\sqrt{3}$ | 0               |                     |          |
| <b>Phantom and Setup</b>  |          |            |            |                 |                     |          |
| Phantom Uncertainty (shape and thickness tolerances)  | ±6.6     | R          | $\sqrt{3}$ | 1               | ±3.8                | $\infty$ |
| SAR correction  | ±1.9     | R          | $\sqrt{3}$ | 0               |                     |          |
| Conductivity Target - tolerance   | ±1.9     | R          | $\sqrt{3}$ | 0               |                     |          |
| Conductivity - measurement uncertainty  | ±5.0     | R          | $\sqrt{3}$ | 0               |                     |          |
| Permittivity Target - tolerance   | ±5.5     | N          | 1          | 0               |                     |          |
| Permittivity - measurement uncertainty  | ±5.0     | R          | $\sqrt{3}$ | 0               |                     |          |
| <b>Combined Standard Uncertainty</b>  |          | RSS        |            |                 | ±14.9               | 748      |
| <b>Coverage Factor for 95%</b>  |          | k=2        |            |                 |                     |          |
| <b>Expanded Uncertainty</b>   |          |            |            |                 | ±29.8               |          |

**7. RESULTS**

7.1 The measured Head SAR values for the test device are tabulated below:

**LTE700 (Band 17) Head SAR results / Antenna 1**

| Mode                                    | Device orientation              | SAR measurement | Measured 1g SAR [W/kg]   |                          |                          | Reported* 1g SAR [W/kg]  |                          |                          | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|---|---------------------------------|-----------------|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|--------|
|   |                                 |                 | Ch 23780<br>709.0<br>MHz   | Ch 23790<br>710.0<br>MHz | Ch 23800<br>711.0<br>MHz | Ch 23780<br>709.0<br>MHz | Ch 23790<br>710.0<br>MHz | Ch 23800<br>711.0<br>MHz |   |        |
| 10MHz<br>Ch BW<br>1RB<br>0%<br>offset   | Tuning Target + Tolerance [dBm] |                 | 23.4   |                          |                          | Scaling factor*          |                          |                          |   |        |
|   | Conducted Power [dBm]           |                 | 22.8   | 22.8                     | 22.8                     | 0.6                      | 0.6                      | 0.6                      | dB  |        |
|   | Time-averaged Power [dBm]       |                 | 22.8   | 22.8                     | 22.8                     | 1.15                     | 1.15                     | 1.15                     | Lin   |        |
|   |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                          |                          |                          |                          |                          |   |        |
| 10MHz<br>Ch BW<br>1RB<br>50%<br>offset  | Tuning Target + Tolerance [dBm] |                 | 23.4   |                          |                          | Scaling factor*          |                          |                          |   |        |
|   | Conducted Power [dBm]           |                 | 22.9   | 22.9                     | 22.8                     | 0.5                      | 0.5                      | 0.6                      | dB  |        |
|   | Time-averaged Power [dBm]       |                 | 22.9   | 22.9                     | 22.8                     | 1.12                     | 1.12                     | 1.15                     | Lin   |        |
|   |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                          |                          |                          |                          |                          |   |        |
| 10MHz<br>Ch BW<br>1RB<br>100%<br>offset | Tuning Target + Tolerance [dBm] |                 | 23.4   |                          |                          | Scaling factor*          |                          |                          |   |        |
|   | Conducted Power [dBm]           |                 | 22.9   | 23.0                     | 22.9                     | 0.5                      | 0.4                      | 0.5                      | dB  |        |
|   | Time-averaged Power [dBm]       |                 | 22.9   | 23.0                     | 22.9                     | 1.12                     | 1.10                     | 1.12                     | Lin   |        |
|   | Left Cheek                      | Estimated SAR   | -  | 0.081                    | -                        | -                        | 0.088                    | -                        | -   | -      |
|   |                                 | Full SAR        | -  | -                        | -                        | -                        | -                        | -                        | -   | -      |
|   | Left Tilt                       | Estimated SAR   | -  | 0.050                    | -                        | -                        | 0.055                    | -                        | -   | -      |
|   |                                 | Full SAR        | -  | -                        | -                        | -                        | -                        | -                        | -   | -      |
|   | Right Cheek                     | Estimated SAR   | -  | 0.125                    | -                        | -                        | 0.137                    | -                        | 0.01  | -      |
|   |                                 | Full SAR        | -  | 0.138                    | -                        | -                        | 0.151                    | -                        | -   | -      |
|   | Right Tilt                      | Estimated SAR   | -  | 0.067                    | -                        | -                        | 0.074                    | -                        | -   | -      |
|   |                                 | Full SAR        | -  | -                        | -                        | -                        | -                        | -                        | -   | -      |
|   | CC-3085<br>Right Cheek          | Estimated SAR   | -  | 0.123                    | -                        | -                        | 0.135                    | -                        | 0.01  | -      |
| Full SAR                                |                                 | -               | 0.129  | -                        | -                        | 0.141                    | -                        | -                        | -   |        |

(LTE700 (Band 17) Head SAR / Antenna 1 Table continues)

(LTE700 (Band 17) Head SAR / Antenna 1 Table continues)

| Mode                                       | Device orientation   | SAR measurement | Measured 1g SAR [W/kg]   |                          |                          | Reported* 1g SAR [W/kg]  |                          |                          | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--|--|-----------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|--------|
|  |  |                 | Ch 23780<br>709.0<br>MHz | Ch 23790<br>710.0<br>MHz | Ch 23800<br>711.0<br>MHz | Ch 23780<br>709.0<br>MHz | Ch 23790<br>710.0<br>MHz | Ch 23800<br>711.0<br>MHz |   |        |
| 10MHz<br>Ch BW<br>50% RB<br>0%<br>offset   | Tuning Target + Tolerance [dBm]  |                 | 22.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|  | Conducted Power [dBm]  |                 | 21.9                     | 21.9                     | 21.9                     | 0.5                      | 0.5                      | 0.5                      | dB  |        |
|  | Time-averaged Power [dBm]  |                 | 21.9                     | 21.9                     | 21.9                     | 1.12                     | 1.12                     | 1.12                     | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                          |                          |                          |                          |                          |                          |   |        |
| 10MHz<br>Ch BW<br>50% RB<br>50%<br>offset  | Tuning Target + Tolerance [dBm]  |                 | 22.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|  | Conducted Power [dBm]  |                 | 22.0                     | 21.9                     | 21.9                     | 0.4                      | 0.5                      | 0.5                      | dB  |        |
|  | Time-averaged Power [dBm]  |                 | 22.0                     | 21.9                     | 21.9                     | 1.10                     | 1.12                     | 1.12                     | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                          |                          |                          |                          |                          |                          |   |        |
| 10MHz<br>Ch BW<br>50% RB<br>100%<br>offset | Tuning Target + Tolerance [dBm]  |                 | 22.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|  | Conducted Power [dBm]  |                 | 22.0                     | 21.9                     | 21.9                     | 0.4                      | 0.5                      | 0.5                      | dB  |        |
|  | Time-averaged Power [dBm]  |                 | 22.0                     | 21.9                     | 21.9                     | 1.10                     | 1.12                     | 1.12                     | Lin   |        |
|  | Left Cheek   | Estimated SAR   | 0.082                    | -                        | -                        | 0.090                    | -                        | -                        | -   | -      |
|  |  | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        | -   | -      |
|  | Left Tilt  | Estimated SAR   | 0.048                    | -                        | -                        | 0.053                    | -                        | -                        | -   | -      |
|  |  | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        | -   | -      |
|  | Right Cheek  | Estimated SAR   | 0.122                    | -                        | -                        | 0.134                    | -                        | -                        | -   | -      |
|  |  | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        | -   | -      |
|  | Right Tilt   | Estimated SAR   | 0.069                    | -                        | -                        | 0.075                    | -                        | -                        | -   | -      |
| Full SAR                                   |  | -               | -                        | -                        | -                        | -                        | -                        | -                        | -   |        |
| 10MHz<br>Ch BW<br>100%<br>RB               | Tuning Target + Tolerance [dBm]  |                 | 22.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|  | Conducted Power [dBm]  |                 | 22.0                     | 21.9                     | 21.9                     | 0.4                      | 0.5                      | 0.5                      | dB  |        |
|  | Time-averaged Power [dBm]  |                 | 22.0                     | 21.9                     | 21.9                     | 1.10                     | 1.12                     | 1.12                     | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                          |                          |                          |                          |                          |                          |   |        |



**LTE700 (Band 17) Head SAR results / Antenna 2**

| Mode                                     | Device orientation   | SAR measurement | Measured 1g SAR [W/kg]   |                          |                          | Reported* 1g SAR [W/kg]  |                          |                          | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--|--|-----------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|--------|
|  |  |                 | Ch 23780<br>709.0<br>MHz | Ch 23790<br>710.0<br>MHz | Ch 23800<br>711.0<br>MHz | Ch 23780<br>709.0<br>MHz | Ch 23790<br>710.0<br>MHz | Ch 23800<br>711.0<br>MHz |   |        |
| 10MHz<br>Ch BW<br>1RB<br>0%<br>offset    | Tuning Target + Tolerance [dBm]  |                 | 23.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|  | Conducted Power [dBm]  |                 | 22.6                     | 22.6                     | 22.6                     | 0.8                      | 0.8                      | 0.8                      | dB  |        |
|  | Time-averaged Power [dBm]  |                 | 22.6                     | 22.6                     | 22.6                     | 1.20                     | 1.20                     | 1.20                     | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                          |                          |                          |                          |                          |                          |   |        |
| 10MHz<br>Ch BW<br>1RB<br>50%<br>offset   | Tuning Target + Tolerance [dBm]  |                 | 23.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|  | Conducted Power [dBm]  |                 | 22.7                     | 22.7                     | 22.6                     | 0.7                      | 0.7                      | 0.8                      | dB  |        |
|  | Time-averaged Power [dBm]  |                 | 22.7                     | 22.7                     | 22.6                     | 1.17                     | 1.17                     | 1.20                     | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                          |                          |                          |                          |                          |                          |   |        |
| 10MHz<br>Ch BW<br>1RB<br>100%<br>offset  | Tuning Target + Tolerance [dBm]  |                 | 23.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|  | Conducted Power [dBm]  |                 | 22.7                     | 22.8                     | 22.7                     | 0.7                      | 0.6                      | 0.7                      | dB  |        |
|  | Time-averaged Power [dBm]  |                 | 22.7                     | 22.8                     | 22.7                     | 1.17                     | 1.15                     | 1.17                     | Lin   |        |
|  | Left Cheek   | Estimated SAR   | -                        | 0.344                    | -                        | -                        | 0.395                    | -                        | 0.00  | 1      |
|  |  | Full SAR        | -                        | 0.342                    | -                        | -                        | <b>0.393</b>             | -                        |   |        |
|  | Left Tilt  | Estimated SAR   | -                        | 0.173                    | -                        | -                        | 0.199                    | -                        | -   | -      |
|  |  | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        | -   | -      |
|  | Right Cheek  | Estimated SAR   | -                        | 0.289                    | -                        | -                        | 0.332                    | -                        | -   | -      |
|  |  | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        | -   | -      |
|  | Right Tilt   | Estimated SAR   | -                        | 0.212                    | -                        | -                        | 0.243                    | -                        | -   | -      |
|  |  | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        | -   | -      |
|  | CC-3085<br>Left Cheek  | Estimated SAR   | -                        | 0.315                    | -                        | -                        | 0.362                    | -                        | 0.01  | -      |
| Full SAR                                 |  | -               | 0.324                    | -                        | -                        | 0.372                    | -                        |                          |   |        |
| 10MHz<br>Ch BW<br>50% RB<br>0%<br>offset | Tuning Target + Tolerance [dBm]  |                 |                          |                          |                          | Scaling factor*          |                          |                          |   |        |
|  | Conducted Power [dBm]  |                 |                          |                          |                          |                          |                          |                          | dB  |        |
|  | Time-averaged Power [dBm]  |                 |                          |                          |                          |                          |                          |                          | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                          |                          |                          |                          |                          |                          |   |        |

(LTE700 (Band 17) Head SAR / Antenna 2 Table continues)

(LTE700 (Band 17) Head SAR / Antenna 2 Table continues)

| Mode                                       | Device orientation              | SAR measurement | Measured 1g SAR [W/kg]   |                          |                          | Reported* 1g SAR [W/kg]  |                          |                          | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--|---------------------------------|-----------------|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|--------|
|  |                                 |                 | Ch 23780<br>709.0<br>MHz   | Ch 23790<br>710.0<br>MHz | Ch 23800<br>711.0<br>MHz | Ch 23780<br>709.0<br>MHz | Ch 23790<br>710.0<br>MHz | Ch 23800<br>711.0<br>MHz |   |        |
| 10MHz<br>Ch BW<br>50% RB<br>50%<br>offset  | Tuning Target + Tolerance [dBm] |                 | 22.4   |                          |                          | Scaling factor*          |                          |                          |   |        |
|  | Conducted Power [dBm]           |                 | 21.8   | 21.7                     | 21.7                     | 0.6                      | 0.7                      | 0.7                      | dB  |        |
|  | Time-averaged Power [dBm]       |                 | 21.8   | 21.7                     | 21.7                     | 1.15                     | 1.17                     | 1.17                     | Lin   |        |
|  |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                          |                          |                          |                          |                          |   |        |
| 10MHz<br>Ch BW<br>50% RB<br>100%<br>offset | Tuning Target + Tolerance [dBm] |                 | 22.4   |                          |                          | Scaling factor*          |                          |                          |   |        |
|  | Conducted Power [dBm]           |                 | 21.8   | 21.7                     | 21.7                     | 0.6                      | 0.7                      | 0.7                      | dB  |        |
|  | Time-averaged Power [dBm]       |                 | 21.8   | 21.7                     | 21.7                     | 1.15                     | 1.17                     | 1.17                     | Lin   |        |
|  | Left Cheek                      | Estimated SAR   | 0.283  | -                        | -                        | 0.325                    | -                        | -                        | -   | -      |
|  |                                 | Full SAR        | -  | -                        | -                        | -                        | -                        | -                        | -   | -      |
|  | Left Tilt                       | Estimated SAR   | 0.149  | -                        | -                        | 0.171                    | -                        | -                        | -   | -      |
|  |                                 | Full SAR        | -  | -                        | -                        | -                        | -                        | -                        | -   | -      |
|  | Right Cheek                     | Estimated SAR   | 0.227  | -                        | -                        | 0.261                    | -                        | -                        | -   | -      |
|  |                                 | Full SAR        | -  | -                        | -                        | -                        | -                        | -                        | -   | -      |
|  | Right Tilt                      | Estimated SAR   | 0.165  | -                        | -                        | 0.189                    | -                        | -                        | -   | -      |
| Full SAR                                   |                                 | -               | -  | -                        | -                        | -                        | -                        | -                        | -   |        |
| 10MHz<br>Ch BW<br>100%<br>RB               | Tuning Target + Tolerance [dBm] |                 | 23.4   |                          |                          | Scaling factor*          |                          |                          |   |        |
|  | Conducted Power [dBm]           |                 | 21.8   | 21.7                     | 21.7                     | 1.6                      | 1.7                      | 1.7                      | dB  |        |
|  | Time-averaged Power [dBm]       |                 | 21.8   | 21.7                     | 21.7                     | 1.45                     | 1.48                     | 1.48                     | Lin   |        |
|  |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                          |                          |                          |                          |                          |   |        |

**GSM/GPRS/EGPRS/WCDMA850MHz Head SAR results / Antenna 2**

| Mode                    | Device orientation                               | SAR measurement | Measured 1g SAR [W/kg] |                        |                        | Reported* 1g SAR [W/kg] |                        |                        | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|-------------------------|--|-----------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|---|--------|
|                         |  |                 | Ch 128<br>824.2<br>MHz | Ch 190<br>836.6<br>MHz | Ch 251<br>848.8<br>MHz | Ch 128<br>824.2<br>MHz  | Ch 190<br>836.6<br>MHz | Ch 251<br>848.8<br>MHz |   |        |
| 1-slot<br>GPRS          | Tuning Target + Tolerance [dBm]                  |                 | 32.6                   |                        |                        | Scaling factor*         |                        |                        |   |        |
|                         | Conducted Slot Average Power [dBm]               |                 | 31.7                   | 31.9                   | 31.9                   | 0.9                     | 0.7                    | 0.7                    | dB  |        |
|                         | Time-averaged power [dBm]                        |                 | 22.7                   | 22.9                   | 22.9                   | 1.23                    | 1.17                   | 1.17                   | Lin   |        |
|                         | No testing required for this slot configuration. |                 |                        |                        |                        |                         |                        |                        |   |        |
| 2-slot<br>GPRS          | Tuning Target + Tolerance [dBm]                  |                 | 29.7                   |                        |                        | Scaling factor*         |                        |                        |   |        |
|                         | Conducted Slot Average Power [dBm]               |                 | 29.2                   | 29.4                   | 29.4                   | 0.5                     | 0.3                    | 0.3                    | dB  |        |
|                         | Time-averaged power [dBm]                        |                 | 23.2                   | 23.4                   | 23.4                   | 1.12                    | 1.07                   | 1.07                   | Lin   |        |
|                         | Left Cheek                                       | Estimated SAR   | 0.549                  | 0.426                  | 0.431                  | 0.616                   | 0.456                  | 0.462                  | 0.02  | -      |
|                         |  | Full SAR        | 0.530                  | -                      | -                      | 0.595                   | -                      | -                      |   |        |
|                         | Left Tilt  | Estimated SAR   | -                      | 0.345                  | -                      | -                       | 0.370                  | -                      | -   | -      |
|                         |  | Full SAR        | -                      | -                      | -                      | -                       | -                      | -                      |   |        |
|                         | Right Cheek                                      | Estimated SAR   | -                      | 0.353                  | -                      | -                       | 0.378                  | -                      | -   | -      |
|                         |  | Full SAR        | -                      | -                      | -                      | -                       | -                      | -                      |   |        |
|                         | Right Tilt                                       | Estimated SAR   | -                      | 0.296                  | -                      | -                       | 0.317                  | -                      | -   | -      |
| Full SAR                |  | -               | -                      | -                      | -                      | -                       | -                      |                        |   |        |
| CC-3085<br>Left Cheek   | Estimated SAR                                    | 0.634           | 0.546                  | 0.484                  | 0.711                  | 0.585                   | 0.519                  | 0.05                   | 2   |        |
|                         | Full SAR   | 0.583           | -                      | -                      | 0.654                  | -                       | -                      |                        |   |        |
| 3-slot<br>GPRS          | Tuning Target + Tolerance [dBm]                  |                 | 27.9                   |                        |                        | Scaling factor*         |                        |                        |   |        |
|                         | Conducted Slot Average Power [dBm]               |                 | 27.1                   | 27.4                   | 27.4                   | 0.8                     | 0.5                    | 0.5                    | dB  |        |
|                         | Time-averaged power [dBm]                        |                 | 22.8                   | 23.1                   | 23.1                   | 1.20                    | 1.12                   | 1.12                   | Lin   |        |
|                         | No testing required for this slot configuration. |                 |                        |                        |                        |                         |                        |                        |   |        |
| 4-slot<br>GPRS          | Tuning Target + Tolerance [dBm]                  |                 | 26.7                   |                        |                        | Scaling factor*         |                        |                        |   |        |
|                         | Conducted Slot Average Power [dBm]               |                 | 25.8                   | 26.0                   | 25.9                   | 0.9                     | 0.7                    | 0.8                    | dB  |        |
|                         | Time-averaged power [dBm]                        |                 | 22.8                   | 23.0                   | 22.9                   | 1.23                    | 1.17                   | 1.20                   | Lin   |        |
|                         | No testing required for this slot configuration. |                 |                        |                        |                        |                         |                        |                        |   |        |
| 1-slot<br>8PSK<br>EGPRS | Tuning Target + Tolerance [dBm]                  |                 | 26.4                   |                        |                        | Scaling factor*         |                        |                        |   |        |
|                         | Conducted Slot Average Power [dBm]               |                 | 25.7                   | 25.8                   | 25.9                   | 0.7                     | 0.6                    | 0.5                    | dB  |        |
|                         | Time-averaged power [dBm]                        |                 | 16.7                   | 16.8                   | 16.9                   | 1.17                    | 1.15                   | 1.12                   | Lin   |        |
|                         | No testing required for this slot configuration. |                 |                        |                        |                        |                         |                        |                        |   |        |
| 2-slot<br>8PSK<br>EGPRS | Tuning Target + Tolerance [dBm]                  |                 | 24.9                   |                        |                        | Scaling factor*         |                        |                        |   |        |
|                         | Conducted Slot Average Power [dBm]               |                 | 24.6                   | 24.7                   | 24.7                   | 0.3                     | 0.2                    | 0.2                    | dB  |        |
|                         | Time-averaged power [dBm]                        |                 | 18.6                   | 18.7                   | 18.7                   | 1.07                    | 1.05                   | 1.05                   | Lin   |        |
|                         | Left Cheek                                       | Estimated SAR   | 0.165                  | -                      | -                      | 0.177                   | -                      | -                      | -   | -      |
|                         |  | Full SAR        | -                      | -                      | -                      | -                       | -                      | -                      |   |        |

(GSM/GPRS/EGPRS/WCDMA850MHz Head SAR / Antenna 2 Table continues)

(GSM/GPRS/EGPRS/WCDMA850MHz Head SAR / Antenna 2 Table continues)

| Mode                    | Device orientation                               | SAR measurement | Measured 1g SAR [W/kg]  |                         |                         | Reported* 1g SAR [W/kg] |                         |                         | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|-------------------------|--|-----------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|---|--------|
|                         |  |                 | Ch 128<br>824.2<br>MHz  | Ch 190<br>836.6<br>MHz  | Ch 251<br>848.8<br>MHz  | Ch 128<br>824.2<br>MHz  | Ch 190<br>836.6<br>MHz  | Ch 251<br>848.8<br>MHz  |   |        |
| 3-slot<br>8PSK<br>EGPRS | Tuning Target + Tolerance [dBm]                  |                 | 23.4                    |                         |                         | Scaling factor*         |                         |                         |   |        |
|                         | Conducted Slot Average Power [dBm]               |                 | 22.8                    | 22.8                    | 22.9                    | 0.6                     | 0.6                     | 0.5                     | dB  |        |
|                         | Time-averaged power [dBm]                        |                 | 18.5                    | 18.5                    | 18.6                    | 1.15                    | 1.15                    | 1.12                    | Lin   |        |
|                         | No testing required for this slot configuration. |                 |                         |                         |                         |                         |                         |                         |   |        |
| 4-slot<br>8PSK<br>EGPRS | Tuning Target + Tolerance [dBm]                  |                 | 21.9                    |                         |                         | Scaling factor*         |                         |                         |   |        |
|                         | Conducted Slot Average Power [dBm]               |                 | 21.3                    | 21.6                    | 21.5                    | 0.6                     | 0.3                     | 0.4                     | dB  |        |
|                         | Time-averaged power [dBm]                        |                 | 18.3                    | 18.6                    | 18.5                    | 1.15                    | 1.07                    | 1.10                    | Lin   |        |
|                         | No testing required for this slot configuration. |                 |                         |                         |                         |                         |                         |                         |   |        |
| Mode                    | Device orientation                               | SAR measurement | Measured 1g SAR [W/kg]  |                         |                         | Reported* 1g SAR [W/kg] |                         |                         | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|                         |  |                 | Ch 4132<br>826.4<br>MHz | Ch 4175<br>835.0<br>MHz | Ch 4233<br>846.6<br>MHz | Ch 4132<br>826.4<br>MHz | Ch 4175<br>835.0<br>MHz | Ch 4233<br>846.6<br>MHz |   |        |
| WCDMA                   | Tuning Target + Tolerance [dBm]                  |                 | 23.9                    |                         |                         | Scaling factor*         |                         |                         |   |        |
|                         | Conducted Power [dBm]                            |                 | 23.1                    | 23.1                    | 23.2                    | 0.8                     | 0.8                     | 0.7                     | dB  |        |
|                         | Time-averaged power [dBm]                        |                 | 23.1                    | 23.1                    | 23.2                    | 1.20                    | 1.20                    | 1.17                    | Lin   |        |
|                         | Left Cheek                                       | Estimated SAR   | 0.564                   | 0.536                   | 0.528                   | 0.678                   | 0.644                   | 0.620                   | 0.00  | -      |
|                         |  | Full SAR        | 0.562                   | -                       | -                       | 0.676                   | -                       | -                       |   |        |
|                         | Left Tilt  | Estimated SAR   | -                       | 0.408                   | -                       | -                       | 0.491                   | -                       | -   | -      |
|                         |  | Full SAR        | -                       | -                       | -                       | -                       | -                       | -                       |   |        |
|                         | Right Cheek                                      | Estimated SAR   | -                       | 0.408                   | -                       | -                       | 0.491                   | -                       | -   | -      |
|                         |  | Full SAR        | -                       | -                       | -                       | -                       | -                       | -                       |   |        |
|                         | Right Tilt                                       | Estimated SAR   | -                       | 0.305                   | -                       | -                       | 0.367                   | -                       | -   | -      |
|                         |  | Full SAR        | -                       | -                       | -                       | -                       | -                       | -                       |   |        |
|                         | CC-3085<br>Left Cheek                            | Estimated SAR   | 0.606                   | 0.591                   | 0.578                   | 0.729                   | 0.711                   | 0.679                   | 0.02  | 3      |
| Full SAR                |  | 0.582           | -                       | -                       | 0.700                   | -                       | -                       |                         |   |        |

**WCDMA850 (Band 5) Head SAR results / Antenna 1**

| Mode  | Device orientation              | SAR measurement | Measured 1g SAR [W/kg] |                      |                      | Reported* 1g SAR [W/kg] |                      |                      | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|-------|---------------------------------|-----------------|------------------------|----------------------|----------------------|-------------------------|----------------------|----------------------|---|--------|
|       |                                 |                 | Ch 4132<br>826.4 MHz   | Ch 4175<br>835.0 MHz | Ch 4233<br>846.6 MHz | Ch 4132<br>826.4 MHz    | Ch 4175<br>835.0 MHz | Ch 4233<br>846.6 MHz |   |        |
| WCDMA | Tuning Target + Tolerance [dBm] |                 | 23.9                   |                      |                      | Scaling factor*         |                      |                      |   |        |
|       | Conducted Power [dBm]           |                 | 23.3                   | 23.3                 | 23.4                 | 0.6                     | 0.6                  | 0.5                  | dB  |        |
|       | Time-averaged power [dBm]       |                 | 23.3                   | 23.3                 | 23.4                 | 1.15                    | 1.15                 | 1.12                 | Lin   |        |
|       | Left Cheek                      | Estimated SAR   | -                      | 0.102                | -                    | -                       | 0.117                | -                    | -   | -      |
|       |                                 | Full SAR        | -                      | -                    | -                    | -                       | -                    | -                    |   |        |
|       | Left Tilt                       | Estimated SAR   | -                      | 0.086                | -                    | -                       | 0.099                | -                    | -   | -      |
|       |                                 | Full SAR        | -                      | -                    | -                    | -                       | -                    | -                    |   |        |
|       | Right Cheek                     | Estimated SAR   | 0.154                  | 0.166                | 0.232                | 0.177                   | 0.191                | 0.260                | 0.01  | -      |
|       |                                 | Full SAR        | -                      | -                    | 0.225                | -                       | -                    | 0.252                |   |        |
|       | Right Tilt                      | Estimated SAR   | -                      | 0.097                | -                    | -                       | 0.111                | -                    | -   | -      |
|       |                                 | Full SAR        | -                      | -                    | -                    | -                       | -                    | -                    |   |        |
|       | CC-3085 Right Cheek             | Estimated SAR   | 0.158                  | 0.150                | 0.188                | 0.181                   | 0.172                | 0.211                | 0.01  | -      |
|       |                                 | Full SAR        | -                      | -                    | 0.175                | -                       | -                    | 0.196                |   |        |

LTE850 (Band 5) Head SAR results / Antenna 1

| Mode                                    | Device orientation              | SAR measurement | Measured 1g SAR [W/kg]   |                          |                          | Reported* 1g SAR [W/kg]  |                          |                          | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|---|---------------------------------|-----------------|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|--------|
|   |                                 |                 | Ch 20450<br>829.0<br>MHz   | Ch 20525<br>836.5<br>MHz | Ch 20600<br>844.0<br>MHz | Ch 20450<br>829.0<br>MHz | Ch 20525<br>836.5<br>MHz | Ch 20600<br>844.0<br>MHz |   |        |
| 10MHz<br>Ch BW<br>1RB<br>0%<br>offset   | Tuning Target + Tolerance [dBm] |                 | 23.4   |                          |                          | Scaling factor*          |                          |                          |   |        |
|   | Conducted Power [dBm]           |                 | 22.9   | 22.9                     | 22.9                     | 0.5                      | 0.5                      | 0.5                      | dB  |        |
|   | Time-averaged Power [dBm]       |                 | 22.9   | 22.9                     | 22.9                     | 1.12                     | 1.12                     | 1.12                     | Lin   |        |
|   | Left Cheek                      | Estimated SAR   | -  | 0.265                    | -                        | -                        | 0.297                    | -                        | -   | -      |
|   |                                 | Full SAR        | -  | -                        | -                        | -                        | -                        | -                        | -   | -      |
|   | Left Tilt                       | Estimated SAR   | -  | 0.232                    | -                        | -                        | 0.260                    | -                        | -   | -      |
|   |                                 | Full SAR        | -  | -                        | -                        | -                        | -                        | -                        | -   | -      |
|   | Right Cheek                     | Estimated SAR   | -  | 0.321                    | -                        | -                        | 0.360                    | -                        | 0.01  | -      |
|   |                                 | Full SAR        | -  | 0.334                    | -                        | -                        | 0.375                    | -                        | -   | -      |
|   | Right Tilt                      | Estimated SAR   | -  | 0.236                    | -                        | -                        | 0.265                    | -                        | -   | -      |
| Full SAR                                |                                 | -               | -  | -                        | -                        | -                        | -                        | -                        | -   |        |
| CC-3085<br>Right Cheek                  | Estimated SAR                   | -               | 0.308  | -                        | -                        | 0.346                    | -                        | 0.01                     | -   |        |
|   | Full SAR                        | -               | 0.320  | -                        | -                        | 0.359                    | -                        | -                        | -   |        |
| 10MHz<br>Ch BW<br>1RB<br>50%<br>offset  | Tuning Target + Tolerance [dBm] |                 | 23.4   |                          |                          | Scaling factor*          |                          |                          |   |        |
|   | Conducted Power [dBm]           |                 | 22.9   | 22.9                     | 22.9                     | 0.5                      | 0.5                      | 0.5                      | dB  |        |
|   | Time-averaged Power [dBm]       |                 | 22.9   | 22.9                     | 22.9                     | 1.12                     | 1.12                     | 1.12                     | Lin   |        |
|   |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                          |                          |                          |                          |                          |   |        |
| 10MHz<br>Ch BW<br>1RB<br>100%<br>offset | Tuning Target + Tolerance [dBm] |                 | 23.4   |                          |                          | Scaling factor*          |                          |                          |   |        |
|   | Conducted Power [dBm]           |                 | 22.9   | 22.9                     | 22.8                     | 0.5                      | 0.5                      | 0.6                      | dB  |        |
|   | Time-averaged Power [dBm]       |                 | 22.9   | 22.9                     | 22.8                     | 1.12                     | 1.12                     | 1.15                     | Lin   |        |
|   |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                          |                          |                          |                          |                          |   |        |
| 10MHz<br>Ch BW<br>50%RB<br>0%<br>offset | Tuning Target + Tolerance [dBm] |                 | 22.4   |                          |                          | Scaling factor*          |                          |                          |   |        |
|   | Conducted Power [dBm]           |                 | 22.0   | 21.9                     | 21.9                     | 0.4                      | 0.5                      | 0.5                      | dB  |        |
|   | Time-averaged Power [dBm]       |                 | 22.0   | 21.9                     | 21.9                     | 1.10                     | 1.12                     | 1.12                     | Lin   |        |
|   | Left Cheek                      | Estimated SAR   | 0.232  | -                        | -                        | 0.254                    | -                        | -                        | -   | -      |
|   |                                 | Full SAR        | -  | -                        | -                        | -                        | -                        | -                        | -   | -      |
|   | Left Tilt                       | Estimated SAR   | 0.194  | -                        | -                        | 0.213                    | -                        | -                        | -   | -      |
|   |                                 | Full SAR        | -  | -                        | -                        | -                        | -                        | -                        | -   | -      |
|   | Right Cheek                     | Estimated SAR   | 0.293  | -                        | -                        | 0.321                    | -                        | -                        | -   | -      |
| Full SAR                                |                                 | -               | -  | -                        | -                        | -                        | -                        | -                        | -   |        |
| Right Tilt                              | Estimated SAR                   | 0.199           | -  | -                        | 0.218                    | -                        | -                        | -                        | -   |        |
|   | Full SAR                        | -               | -  | -                        | -                        | -                        | -                        | -                        | -   |        |

(LTE850 (Band 5) Head SAR / Antenna 1 Table continues)

(LTE850 (Band 5) Head SAR / Antenna 1 Table continues)

| Mode                                       | Device orientation   | SAR measurement | Measured 1g SAR [W/kg]   |                          |                          | Reported* 1g SAR [W/kg]  |                          |                          | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--|--|-----------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|--------|
|  |  |                 | Ch 20450<br>829.0<br>MHz | Ch 20525<br>836.5<br>MHz | Ch 20600<br>844.0<br>MHz | Ch 20450<br>829.0<br>MHz | Ch 20525<br>836.5<br>MHz | Ch 20600<br>844.0<br>MHz |   |        |
| 10MHz<br>Ch BW<br>50% RB<br>50%<br>offset  | Tuning Target + Tolerance [dBm]  |                 | 22.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|  | Conducted Power [dBm]  |                 | 22.0                     | 21.9                     | 21.9                     | 0.4                      | 0.5                      | 0.5                      | dB  |        |
|  | Time-averaged Power [dBm]  |                 | 22.0                     | 21.9                     | 21.9                     | 1.10                     | 1.12                     | 1.12                     | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                          |                          |                          |                          |                          |                          |   |        |
| 10MHz<br>Ch BW<br>50% RB<br>100%<br>offset | Tuning Target + Tolerance [dBm]  |                 | 22.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|  | Conducted Power [dBm]  |                 | 22.0                     | 21.9                     | 21.9                     | 0.4                      | 0.5                      | 0.5                      | dB  |        |
|  | Time-averaged Power [dBm]  |                 | 22.0                     | 21.9                     | 21.9                     | 1.10                     | 1.12                     | 1.12                     | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                          |                          |                          |                          |                          |                          |   |        |
| 10MHz<br>Ch BW<br>100%<br>RB               | Tuning Target + Tolerance [dBm]  |                 | 22.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|  | Conducted Power [dBm]  |                 | 22.0                     | 22.0                     | 22.0                     | 0.4                      | 0.4                      | 0.4                      | dB  |        |
|  | Time-averaged Power [dBm]  |                 | 22.0                     | 22.0                     | 22.0                     | 1.10                     | 1.10                     | 1.10                     | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                          |                          |                          |                          |                          |                          |   |        |

**LTE850 (Band5) Head SAR results / Antenna 2**

| Mode                                    | Device orientation   | SAR measurement | Measured 1g SAR [W/kg]   |                          |                          | Reported* 1g SAR [W/kg]  |                          |                          | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|---|--|-----------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|--------|
|   |  |                 | Ch 20450<br>829.0<br>MHz | Ch 20525<br>836.5<br>MHz | Ch 20600<br>844.0<br>MHz | Ch 20450<br>829.0<br>MHz | Ch 20525<br>836.5<br>MHz | Ch 20600<br>844.0<br>MHz |   |        |
| 10MHz<br>Ch BW<br>1RB<br>0%<br>offset   | Tuning Target + Tolerance [dBm]  |                 | 23.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|   | Conducted Power [dBm]  |                 | 22.7                     | 22.7                     | 22.7                     | 0.7                      | 0.7                      | 0.7                      | dB  |        |
|   | Time-averaged Power [dBm]  |                 | 22.7                     | 22.7                     | 22.7                     | 1.17                     | 1.17                     | 1.17                     | Lin   |        |
|   | Left Cheek   | Estimated SAR   | -                        | 0.322                    | -                        | -                        | 0.378                    | -                        | 0.04  | -      |
|   |  | Full SAR        | -                        | 0.345                    | -                        | -                        | 0.405                    | -                        |   |        |
|   | Left Tilt  | Estimated SAR   | -                        | 0.215                    | -                        | -                        | 0.253                    | -                        | -   | -      |
|   |  | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
|   | Right Cheek  | Estimated SAR   | -                        | 0.262                    | -                        | -                        | 0.308                    | -                        | -   | -      |
|   |  | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
|   | Right Tilt   | Estimated SAR   | -                        | 0.173                    | -                        | -                        | 0.203                    | -                        | -   | -      |
| Full SAR                                |  | -               | -                        | -                        | -                        | -                        | -                        |                          |   |        |
| CC-3085<br>Left Cheek                   | Estimated SAR  | -               | 0.408                    | -                        | -                        | 0.479                    | -                        | 0.04                     | 4   |        |
|   | Full SAR   | -               | 0.396                    | -                        | -                        | 0.465                    | -                        |                          |   |        |
| 10MHz<br>Ch BW<br>1RB<br>50%<br>offset  | Tuning Target + Tolerance [dBm]  |                 | 23.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|   | Conducted Power [dBm]  |                 | 22.7                     | 22.7                     | 22.7                     | 0.7                      | 0.7                      | 0.7                      | dB  |        |
|   | Time-averaged Power [dBm]  |                 | 22.7                     | 22.7                     | 22.7                     | 1.17                     | 1.17                     | 1.17                     | Lin   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                          |                          |                          |                          |                          |                          |   |        |
| 10MHz<br>Ch BW<br>1RB<br>100%<br>offset | Tuning Target + Tolerance [dBm]  |                 | 23.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|   | Conducted Power [dBm]  |                 | 22.7                     | 22.7                     | 22.6                     | 0.7                      | 0.7                      | 0.8                      | dB  |        |
|   | Time-averaged Power [dBm]  |                 | 22.7                     | 22.7                     | 22.6                     | 1.17                     | 1.17                     | 1.20                     | Lin   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                          |                          |                          |                          |                          |                          |   |        |
| 10MHz<br>Ch BW<br>50%RB<br>0%<br>offset | Tuning Target + Tolerance [dBm]  |                 | 22.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|   | Conducted Power [dBm]  |                 | 21.8                     | 21.7                     | 21.7                     | 0.6                      | 0.7                      | 0.7                      | dB  |        |
|   | Time-averaged Power [dBm]  |                 | 21.8                     | 21.7                     | 21.7                     | 1.15                     | 1.17                     | 1.17                     | Lin   |        |
|   | Left Cheek   | Estimated SAR   | 0.314                    | -                        | -                        | 0.361                    | -                        | -                        | -   | -      |
|   |  | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
|   | Left Tilt  | Estimated SAR   | 0.202                    | -                        | -                        | 0.232                    | -                        | -                        | -   | -      |
|   |  | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
|   | Right Cheek  | Estimated SAR   | 0.247                    | -                        | -                        | 0.284                    | -                        | -                        | -   | -      |
|   |  | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
|   | Right Tilt   | Estimated SAR   | 0.182                    | -                        | -                        | 0.209                    | -                        | -                        | -   | -      |
| Full SAR                                |  | -               | -                        | -                        | -                        | -                        | -                        |                          |   |        |

(LTE850 (Band 5) Head SAR / Antenna 2 Table continues)



(LTE850 (Band 5) Head SAR / Antenna 2 Table continues)

| Mode                                       | Device orientation              | SAR measurement | Measured 1g SAR [W/kg]   |                          |                          | Reported* 1g SAR [W/kg]  |                          |                          | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--|---------------------------------|-----------------|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|--------|
|  |                                 |                 | Ch 20450<br>829.0<br>MHz   | Ch 20525<br>836.5<br>MHz | Ch 20600<br>844.0<br>MHz | Ch 20450<br>829.0<br>MHz | Ch 20525<br>836.5<br>MHz | Ch 20600<br>844.0<br>MHz |   |        |
| 10MHz<br>Ch BW<br>50% RB<br>50%<br>offset  | Tuning Target + Tolerance [dBm] |                 | 22.4   |                          |                          | Scaling factor*          |                          |                          |   |        |
|  | Conducted Power [dBm]           |                 | 21.8   | 21.7                     | 21.7                     | 0.6                      | 0.7                      | 0.7                      | dB  |        |
|  | Time-averaged Power [dBm]       |                 | 21.8   | 21.7                     | 21.7                     | 1.15                     | 1.17                     | 1.17                     | Lin   |        |
|  |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                          |                          |                          |                          |                          |   |        |
| 10MHz<br>Ch BW<br>50% RB<br>100%<br>offset | Tuning Target + Tolerance [dBm] |                 | 22.4   |                          |                          | Scaling factor*          |                          |                          |   |        |
|  | Conducted Power [dBm]           |                 | 21.8   | 21.7                     | 21.7                     | 0.6                      | 0.7                      | 0.7                      | dB  |        |
|  | Time-averaged Power [dBm]       |                 | 21.8   | 21.7                     | 21.7                     | 1.15                     | 1.17                     | 1.17                     | Lin   |        |
|  |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                          |                          |                          |                          |                          |   |        |
| 10MHz<br>Ch BW<br>100%<br>RB               | Tuning Target + Tolerance [dBm] |                 | 22.4   |                          |                          | Scaling factor*          |                          |                          |   |        |
|  | Conducted Power [dBm]           |                 | 21.8   | 21.8                     | 21.8                     | 0.6                      | 0.6                      | 0.6                      | dB  |        |
|  | Time-averaged Power [dBm]       |                 | 21.8   | 21.8                     | 21.8                     | 1.15                     | 1.15                     | 1.15                     | Lin   |        |
|  |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                          |                          |                          |                          |                          |   |        |

**WCDMA1700/2100 (Band4) Head SAR results / Antenna 1**

| Mode     | Device orientation              | SAR measurement | Measured 1g SAR [W/kg] |                    |                    | Reported* 1g SAR [W/kg] |                    |                    | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|----------|---------------------------------|-----------------|------------------------|--------------------|--------------------|-------------------------|--------------------|--------------------|---|--------|
|          |                                 |                 | Ch 1312 1712.4 MHz     | Ch 1412 1732.4 MHz | Ch 1513 1752.6 MHz | Ch 1312 1712.4 MHz      | Ch 1412 1732.4 MHz | Ch 1513 1752.6 MHz |   |        |
| WCDMA    | Tuning Target + Tolerance [dBm] |                 | 23.9                   |                    |                    | Scaling factor*         |                    |                    |   |        |
|          | Conducted Power [dBm]           |                 | 23.4                   | 23.6               | 23.6               | 0.5                     | 0.3                | 0.3                | dB  |        |
|          | Time-averaged power [dBm]       |                 | 23.4                   | 23.6               | 23.6               | 1.12                    | 1.07               | 1.07               | Lin   |        |
|          | Left Cheek                      | Estimated SAR   | 0.384                  | 0.468              | 0.510              | 0.431                   | 0.501              | 0.546              | 0.02  | -      |
|          |                                 | Full SAR        | -                      | -                  | 0.532              | -                       | -                  | 0.570              |   |        |
|          | Left Tilt                       | Estimated SAR   | -                      | 0.388              | -                  | -                       | 0.416              | -                  | -   | -      |
|          |                                 | Full SAR        | -                      | -                  | -                  | -                       | -                  | -                  |   |        |
|          | Right Cheek                     | Estimated SAR   | -                      | 0.375              | -                  | -                       | 0.402              | -                  | -   | -      |
|          |                                 | Full SAR        | -                      | -                  | -                  | -                       | -                  | -                  |   |        |
|          | Right Tilt                      | Estimated SAR   | -                      | 0.312              | -                  | -                       | 0.334              | -                  | -   | -      |
|          |                                 | Full SAR        | -                      | -                  | -                  | -                       | -                  | -                  |   |        |
|          | CC-3085 Left Cheek              | Estimated SAR   | 0.330                  | 0.394              | 0.441              | 0.370                   | 0.422              | 0.473              | 0.02  | -      |
| Full SAR |                                 | -               | -                      | 0.459              | -                  | -                       | 0.492              |                    |   |        |

**WCDMA1700/2100 (Band4) Head SAR results / Antenna 2**

| Mode     | Device orientation              | SAR measurement | Measured 1g SAR [W/kg] |                    |                    | Reported* 1g SAR [W/kg] |                    |                    | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|----------|---------------------------------|-----------------|------------------------|--------------------|--------------------|-------------------------|--------------------|--------------------|---|--------|
|          |                                 |                 | Ch 1312 1712.4 MHz     | Ch 1412 1732.4 MHz | Ch 1513 1752.6 MHz | Ch 1312 1712.4 MHz      | Ch 1412 1732.4 MHz | Ch 1513 1752.6 MHz |   |        |
| WCDMA    | Tuning Target + Tolerance [dBm] |                 | 23.9                   |                    |                    | Scaling factor*         |                    |                    |   |        |
|          | Conducted Power [dBm]           |                 | 22.9                   | 23.1               | 23.1               | 1.0                     | 0.8                | 0.8                | dB  |        |
|          | Time-averaged power [dBm]       |                 | 22.9                   | 23.1               | 23.1               | 1.26                    | 1.20               | 1.20               | Lin   |        |
|          | Left Cheek                      | Estimated SAR   | 0.606                  | 0.621              | 0.629              | 0.763                   | 0.747              | 0.756              | 0.01  | -      |
|          |                                 | Full SAR        | 0.594                  | -                  | -                  | 0.748                   | -                  | -                  |   |        |
|          | Left Tilt                       | Estimated SAR   | -                      | 0.423              | -                  | -                       | 0.509              | -                  | -   | -      |
|          |                                 | Full SAR        | -                      | -                  | -                  | -                       | -                  | -                  |   |        |
|          | Right Cheek                     | Estimated SAR   | -                      | 0.520              | -                  | -                       | 0.625              | -                  | -   | -      |
|          |                                 | Full SAR        | -                      | -                  | -                  | -                       | -                  | -                  |   |        |
|          | Right Tilt                      | Estimated SAR   | -                      | 0.381              | -                  | -                       | 0.458              | -                  | -   | -      |
|          |                                 | Full SAR        | -                      | -                  | -                  | -                       | -                  | -                  |   |        |
|          | CC-3085 Left Cheek              | Estimated SAR   | 0.578                  | 0.618              | 0.608              | 0.728                   | 0.743              | 0.731              | 0.01  | 5      |
| Full SAR |                                 | -               | 0.627                  | -                  | -                  | <b>0.754</b>            | -                  |                    |   |        |

**LTE1700/2100 (Band 4) Head SAR results / Antenna 1**

| Mode                                    | Device orientation   | SAR measurement | Measured 1g SAR [W/kg]    |                           |                           | Reported* 1g SAR [W/kg]   |                           |                           | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|---|--|-----------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---|--------|
|   |  |                 | Ch 20050<br>1720.0<br>MHz | Ch 23175<br>1732.5<br>MHz | Ch 20300<br>1745.0<br>MHz | Ch 20050<br>1720.0<br>MHz | Ch 23175<br>1732.5<br>MHz | Ch 20300<br>1745.0<br>MHz |   |        |
| 20MHz<br>Ch BW<br>1RB<br>0%<br>offset   | Tuning Target + Tolerance [dBm]  |                 | 23.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|   | Conducted Power [dBm]  |                 | 23.1                      | 23.0                      | 23.1                      | 0.3                       | 0.4                       | 0.3                       | dB  |        |
|   | Time-averaged Power [dBm]  |                 | 23.1                      | 23.0                      | 23.1                      | 1.07                      | 1.10                      | 1.07                      | Lin   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |
| 20MHz<br>Ch BW<br>1RB<br>50%<br>offset  | Tuning Target + Tolerance [dBm]  |                 | 23.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|   | Conducted Power [dBm]  |                 | 23.0                      | 23.1                      | 23.0                      | 0.4                       | 0.3                       | 0.4                       | dB  |        |
|   | Time-averaged Power [dBm]  |                 | 23.0                      | 23.1                      | 23.0                      | 1.10                      | 1.07                      | 1.10                      | Lin   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |
| 20MHz<br>Ch BW<br>1RB<br>100%<br>offset | Tuning Target + Tolerance [dBm]  |                 | 23.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|   | Conducted Power [dBm]  |                 | 23.1                      | 23.1                      | 23.1                      | 0.3                       | 0.3                       | 0.3                       | dB  |        |
|   | Time-averaged Power [dBm]  |                 | 23.1                      | 23.1                      | 23.1                      | 1.07                      | 1.07                      | 1.07                      | Lin   |        |
|   | Left Cheek   | Estimated SAR   | -                         | 0.430                     | -                         | -                         | 0.461                     | -                         | 0.02  | -      |
|   |  | Full SAR        | -                         | 0.445                     | -                         | -                         | 0.477                     | -                         |   |        |
|   | Left Tilt  | Estimated SAR   | -                         | 0.161                     | -                         | -                         | 0.173                     | -                         | -   | -      |
|   |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         |   |        |
|   | Right Cheek  | Estimated SAR   | -                         | 0.398                     | -                         | -                         | 0.426                     | -                         | -   | -      |
|   |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         |   |        |
|   | Right Tilt   | Estimated SAR   | -                         | 0.176                     | -                         | -                         | 0.189                     | -                         | -   | -      |
|   |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         |   |        |
|   | CC-3085<br>Left Cheek  | Estimated SAR   | -                         | 0.411                     | -                         | -                         | 0.440                     | -                         | 0.01  | -      |
| Full SAR                                |  | -               | 0.418                     | -                         | -                         | 0.448                     | -                         |                           |   |        |

(LTE1700 (Band 4) Head SAR / Antenna 1 Table continues)

(LTE1700 (Band 4) Head SAR / Antenna 1 Table continues)

| Mode                                       | Device orientation              | SAR measurement | Measured 1g SAR [W/kg]   |                           |                           | Reported* 1g SAR [W/kg]   |                           |                           | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--|---------------------------------|-----------------|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---|--------|
|  |                                 |                 | Ch 20050<br>1720.0<br>MHz  | Ch 23175<br>1732.5<br>MHz | Ch 20300<br>1745.0<br>MHz | Ch 20050<br>1720.0<br>MHz | Ch 23175<br>1732.5<br>MHz | Ch 20300<br>1745.0<br>MHz |   |        |
| 20MHz<br>Ch BW<br>50%RB<br>0%<br>offset    | Tuning Target + Tolerance [dBm] |                 | 23.4   |                           |                           | Scaling factor*           |                           |                           |   |        |
|  | Conducted Power [dBm]           |                 | 22.2   | 22.2                      | 22.3                      | 0.2                       | 0.2                       | 0.1                       | dB  |        |
|  | Time-averaged Power [dBm]       |                 | 22.2   | 22.2                      | 22.3                      | 1.05                      | 1.05                      | 1.02                      | Lin   |        |
|  | Left Cheek                      | Estimated SAR   | -  | -                         | 0.364                     | -                         | -                         | 0.372                     | -   | -      |
|  |                                 | Full SAR        | -  | -                         | -                         | -                         | -                         | -                         | -   | -      |
|  | Left Tilt                       | Estimated SAR   | -  | -                         | 0.146                     | -                         | -                         | 0.149                     | -   | -      |
|  |                                 | Full SAR        | -  | -                         | -                         | -                         | -                         | -                         | -   | -      |
|  | Right Cheek                     | Estimated SAR   | -  | -                         | 0.316                     | -                         | -                         | 0.323                     | -   | -      |
|  |                                 | Full SAR        | -  | -                         | -                         | -                         | -                         | -                         | -   | -      |
|  | Right Tilt                      | Estimated SAR   | -  | -                         | 0.145                     | -                         | -                         | 0.148                     | -   | -      |
| Full SAR                                   |                                 | -               | -  | -                         | -                         | -                         | -                         | -                         | -   |        |
| 20MHz<br>Ch BW<br>50% RB<br>50%<br>offset  | Tuning Target + Tolerance [dBm] |                 | 22.4   |                           |                           | Scaling factor*           |                           |                           |   |        |
|  | Conducted Power [dBm]           |                 | 22.1   | 22.2                      | 22.1                      | 0.3                       | 0.2                       | 0.3                       | dB  |        |
|  | Time-averaged Power [dBm]       |                 | 22.1   | 22.2                      | 22.1                      | 1.07                      | 1.05                      | 1.07                      | Lin   |        |
|  |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                           |                           |                           |                           |                           |   |        |
| 20MHz<br>Ch BW<br>50% RB<br>100%<br>offset | Tuning Target + Tolerance [dBm] |                 | 22.4   |                           |                           | Scaling factor*           |                           |                           |   |        |
|  | Conducted Power [dBm]           |                 | 22.2   | 22.2                      | 22.2                      | 0.2                       | 0.2                       | 0.2                       | dB  |        |
|  | Time-averaged Power [dBm]       |                 | 22.2   | 22.2                      | 22.2                      | 1.05                      | 1.05                      | 1.05                      | Lin   |        |
|  |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                           |                           |                           |                           |                           |   |        |
| 20MHz<br>Ch BW<br>100%<br>RB               | Tuning Target + Tolerance [dBm] |                 | 22.4   |                           |                           | Scaling factor*           |                           |                           |   |        |
|  | Conducted Power [dBm]           |                 | 22.2   | 22.2                      | 22.2                      | 0.2                       | 0.2                       | 0.2                       | dB  |        |
|  | Time-averaged Power [dBm]       |                 | 22.2   | 22.2                      | 22.2                      | 1.05                      | 1.05                      | 1.05                      | Lin   |        |
|  |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                           |                           |                           |                           |                           |   |        |

**LTE1700/2100 (Band 4) Head SAR results / Antenna 2**

| Mode                                    | Device orientation   | SAR measurement | Measured 1g SAR [W/kg] |                        |                        | Reported* 1g SAR [W/kg] |                        |                        | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|---|--|-----------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|---|--------|
|   |  |                 | Ch 20050<br>1720.0 MHz | Ch 23175<br>1732.5 MHz | Ch 20300<br>1745.0 MHz | Ch 20050<br>1720.0 MHz  | Ch 23175<br>1732.5 MHz | Ch 20300<br>1745.0 MHz |   |        |
| 20MHz<br>Ch BW<br>1RB<br>0%<br>offset   | Tuning Target + Tolerance [dBm]  |                 | 23.4                   |                        |                        | Scaling factor*         |                        |                        |   |        |
|   | Conducted Power [dBm]  |                 | 22.6                   | 22.5                   | 22.6                   | 0.8                     | 0.9                    | 0.8                    | dB  |        |
|   | Time-averaged Power [dBm]  |                 | 22.6                   | 22.5                   | 22.6                   | 1.20                    | 1.23                   | 1.20                   | Lin   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                        |                        |                        |                         |                        |                        |   |        |
| 20MHz<br>Ch BW<br>1RB<br>50%<br>offset  | Tuning Target + Tolerance [dBm]  |                 | 23.4                   |                        |                        | Scaling factor*         |                        |                        |   |        |
|   | Conducted Power [dBm]  |                 | 22.5                   | 22.6                   | 22.5                   | 0.9                     | 0.8                    | 0.9                    | dB  |        |
|   | Time-averaged Power [dBm]  |                 | 22.5                   | 22.6                   | 22.5                   | 1.23                    | 1.20                   | 1.23                   | Lin   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                        |                        |                        |                         |                        |                        |   |        |
| 20MHz<br>Ch BW<br>1RB<br>100%<br>offset | Tuning Target + Tolerance [dBm]  |                 | 23.4                   |                        |                        | Scaling factor*         |                        |                        |   |        |
|   | Conducted Power [dBm]  |                 | 22.6                   | 22.6                   | 22.6                   | 0.8                     | 0.8                    | 0.8                    | dB  |        |
|   | Time-averaged Power [dBm]  |                 | 22.6                   | 22.6                   | 22.6                   | 1.20                    | 1.20                   | 1.20                   | Lin   |        |
|   | Left Cheek   | Estimated SAR   | -                      | 0.489                  | -                      | -                       | 0.588                  | -                      | 0.01  | -      |
|   |  | Full SAR        | -                      | 0.501                  | -                      | -                       | 0.602                  | -                      |   |        |
|   | Left Tilt  | Estimated SAR   | -                      | 0.309                  | -                      | -                       | 0.371                  | -                      | -   | -      |
|   |  | Full SAR        | -                      | -                      | -                      | -                       | -                      | -                      |   |        |
|   | Right Cheek  | Estimated SAR   | -                      | 0.425                  | -                      | -                       | 0.511                  | -                      | -   | -      |
|   |  | Full SAR        | -                      | -                      | -                      | -                       | -                      | -                      |   |        |
|   | Right Tilt   | Estimated SAR   | -                      | 0.254                  | -                      | -                       | 0.305                  | -                      | -   | -      |
|   |  | Full SAR        | -                      | -                      | -                      | -                       | -                      | -                      |   |        |
|   | CC-3085<br>Left Cheek  | Estimated SAR   | -                      | 0.530                  | -                      | -                       | 0.637                  | -                      | 0.01  | 6      |
| Full SAR                                |  | -               | 0.536                  | -                      | -                      | 0.644                   | -                      |                        |   |        |

(LTE1700 (Band 4) Head SAR / Antenna 2 Table continues)

(LTE1700 (Band 4) Head SAR / Antenna 2 Table continues)

| Mode                                       | Device orientation   | SAR measurement | Measured 1g SAR [W/kg]    |                           |                           | Reported* 1g SAR [W/kg]   |                           |                           | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--|--|-----------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---|--------|
|  |  |                 | Ch 20050<br>1720.0<br>MHz | Ch 23175<br>1732.5<br>MHz | Ch 20300<br>1745.0<br>MHz | Ch 20050<br>1720.0<br>MHz | Ch 23175<br>1732.5<br>MHz | Ch 20300<br>1745.0<br>MHz |   |        |
| 20MHz<br>Ch BW<br>50%RB<br>0%<br>offset    | Tuning Target + Tolerance [dBm]  |                 | 22.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|  | Conducted Power [dBm]  |                 | 21.7                      | 21.7                      | 21.8                      | 0.7                       | 0.7                       | 0.6                       | dB  |        |
|  | Time-averaged Power [dBm]  |                 | 21.7                      | 21.7                      | 21.8                      | 1.17                      | 1.17                      | 1.15                      | Lin   |        |
|  | Left Cheek   | Estimated SAR   | -                         | -                         | 0.538                     | -                         | -                         | 0.618                     | 0.02  | -      |
|  |  | Full SAR        | -                         | -                         | 0.561                     | -                         | -                         | 0.644                     |   |        |
|  | Left Tilt  | Estimated SAR   | -                         | -                         | 0.300                     | -                         | -                         | 0.344                     | -   | -      |
|  |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         |   |        |
|  | Right Cheek  | Estimated SAR   | -                         | -                         | 0.449                     | -                         | -                         | 0.516                     | -   | -      |
|  |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         |   |        |
|  | Right Tilt   | Estimated SAR   | -                         | -                         | 0.262                     | -                         | -                         | 0.301                     | -   | -      |
| Full SAR                                   |  | -               | -                         | -                         | -                         | -                         | -                         |                           |   |        |
| CC-3085<br>Left Cheek                      | Estimated SAR  | -               | -                         | 0.543                     | -                         | -                         | 0.623                     | 0.02                      | -   |        |
|  | Full SAR   | -               | -                         | 0.558                     | -                         | -                         | 0.641                     |                           |   |        |
| 20MHz<br>Ch BW<br>50% RB<br>50%<br>offset  | Tuning Target + Tolerance [dBm]  |                 | 22.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|  | Conducted Power [dBm]  |                 | 21.6                      | 21.7                      | 21.6                      | 0.8                       | 0.7                       | 0.8                       | dB  |        |
|  | Time-averaged Power [dBm]  |                 | 21.6                      | 21.7                      | 21.6                      | 1.20                      | 1.17                      | 1.20                      | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |
| 20MHz<br>Ch BW<br>50% RB<br>100%<br>offset | Tuning Target + Tolerance [dBm]  |                 | 22.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|  | Conducted Power [dBm]  |                 | 21.7                      | 21.7                      | 21.7                      | 0.7                       | 0.7                       | 0.7                       | dB  |        |
|  | Time-averaged Power [dBm]  |                 | 21.7                      | 21.7                      | 21.7                      | 1.17                      | 1.17                      | 1.17                      | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |
| 20MHz<br>Ch BW<br>100%<br>RB               | Tuning Target + Tolerance [dBm]  |                 | 22.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|  | Conducted Power [dBm]  |                 | 21.7                      | 21.7                      | 21.7                      | 0.7                       | 0.7                       | 0.7                       | dB  |        |
|  | Time-averaged Power [dBm]  |                 | 21.7                      | 21.7                      | 21.7                      | 1.17                      | 1.17                      | 1.17                      | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |

**GSM/GPRS/EGPRS/WCDMA1900MHz Head SAR results / Antenna 1**

| Mode              | Device orientation                               | SAR measurement | Measured 1g SAR [W/kg]  |                         |                         | Reported* 1g SAR [W/kg] |                         |                         | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|-------------------|--|-----------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|---|--------|
|                   |  |                 | Ch 512<br>1850.2<br>MHz | Ch 661<br>1880.0<br>MHz | Ch 810<br>1909.8<br>MHz | Ch 512<br>1850.2<br>MHz | Ch 661<br>1880.0<br>MHz | Ch 810<br>1909.8<br>MHz |   |        |
| 1-slot GPRS       | Tuning Target + Tolerance [dBm]                  |                 | 29.9                    |                         |                         | Scaling factor*         |                         |                         |   |        |
|                   | Conducted Slot Average Power [dBm]               |                 | 29.6                    | 29.6                    | 29.4                    | 0.3                     | 0.3                     | 0.5                     | dB  |        |
|                   | Time-averaged power [dBm]                        |                 | 20.6                    | 20.6                    | 20.4                    | 1.07                    | 1.07                    | 1.12                    | Lin   |        |
|                   | No testing required for this slot configuration. |                 |                         |                         |                         |                         |                         |                         |   |        |
| 2-slot GPRS       | Tuning Target + Tolerance [dBm]                  |                 | 29.4                    |                         |                         | Scaling factor*         |                         |                         |   |        |
|                   | Conducted Slot Average Power [dBm]               |                 | 29.2                    | 29.1                    | 28.8                    | 0.2                     | 0.3                     | 0.6                     | dB  |        |
|                   | Time-averaged power [dBm]                        |                 | 23.2                    | 23.1                    | 22.8                    | 1.05                    | 1.07                    | 1.15                    | Lin   |        |
|                   | Left Cheek                                       | Estimated SAR   | 0.502                   | 0.495                   | 0.531                   | 0.526                   | 0.530                   | 0.610                   | 0.02  | 7      |
|                   |  | Full SAR        | -                       | -                       | 0.551                   | -                       | -                       | 0.633                   |   |        |
|                   | Left Tilt  | Estimated SAR   | -                       | 0.226                   | -                       | -                       | 0.242                   | -                       | -   | -      |
|                   |  | Full SAR        | -                       | -                       | -                       | -                       | -                       | -                       |   |        |
|                   | Right Cheek                                      | Estimated SAR   | -                       | 0.325                   | -                       | -                       | 0.348                   | -                       | -   | -      |
|                   |  | Full SAR        | -                       | -                       | -                       | -                       | -                       | -                       |   |        |
|                   | Right Tilt                                       | Estimated SAR   | -                       | 0.226                   | -                       | -                       | 0.242                   | -                       | -   | -      |
|                   |  | Full SAR        | -                       | -                       | -                       | -                       | -                       | -                       |   |        |
|                   | CC-3085 Left Cheek                               | Estimated SAR   | 0.468                   | 0.521                   | 0.503                   | 0.490                   | 0.558                   | 0.578                   | 0.04  | -      |
| Full SAR          |  | -               | -                       | 0.541                   | -                       | -                       | 0.621                   |                         |   |        |
| 3-slot GPRS       | Tuning Target + Tolerance [dBm]                  |                 | 27.6                    |                         |                         | Scaling factor*         |                         |                         |   |        |
|                   | Conducted Slot Average Power [dBm]               |                 | 27.3                    | 27.2                    | 27.0                    | 0.3                     | 0.4                     | 0.6                     | dB  |        |
|                   | Time-averaged power [dBm]                        |                 | 23.0                    | 22.9                    | 22.7                    | 1.07                    | 1.10                    | 1.15                    | Lin   |        |
|                   | No testing required for this slot configuration. |                 |                         |                         |                         |                         |                         |                         |   |        |
| 4-slot GPRS       | Tuning Target + Tolerance [dBm]                  |                 | 25.9                    |                         |                         | Scaling factor*         |                         |                         |   |        |
|                   | Conducted Slot Average Power [dBm]               |                 | 25.9                    | 25.9                    | 25.7                    | 0.0                     | 0.0                     | 0.2                     | dB  |        |
|                   | Time-averaged power [dBm]                        |                 | 22.9                    | 22.9                    | 22.7                    | 1.00                    | 1.00                    | 1.05                    | Lin   |        |
|                   | No testing required for this slot configuration. |                 |                         |                         |                         |                         |                         |                         |   |        |
| 1-slot 8PSK EGPRS | Tuning Target + Tolerance [dBm]                  |                 | 26.4                    |                         |                         | Scaling factor*         |                         |                         |   |        |
|                   | Conducted Slot Average Power [dBm]               |                 | 26.1                    | 25.9                    | 25.7                    | 0.3                     | 0.5                     | 0.7                     | dB  |        |
|                   | Time-averaged power [dBm]                        |                 | 17.1                    | 16.9                    | 16.7                    | 1.07                    | 1.12                    | 1.17                    | Lin   |        |
|                   | No testing required for this slot configuration. |                 |                         |                         |                         |                         |                         |                         |   |        |
| 2-slot 8PSK EGPRS | Tuning Target + Tolerance [dBm]                  |                 | 26.0                    |                         |                         | Scaling factor*         |                         |                         |   |        |
|                   | Conducted Slot Average Power [dBm]               |                 | 26.0                    | 25.8                    | 25.7                    | 0.0                     | 0.2                     | 0.3                     | dB  |        |
|                   | Time-averaged power [dBm]                        |                 | 20.0                    | 19.8                    | 19.7                    | 1.00                    | 1.05                    | 1.07                    | Lin   |        |
|                   | No testing required for this slot configuration. |                 |                         |                         |                         |                         |                         |                         |   |        |

(GSM/GPRS/EGPRS/WCDMA1900MHz Head SAR / Antenna 1 Table continues)

(GSM/GPRS/EGPRS/WCDMA1900MHz Head SAR / Antenna 1 Table continues)

| Mode                    | Device orientation                               | SAR measurement | Measured 1g SAR [W/kg]   |                          |                          | Reported* 1g SAR [W/kg]  |                          |                          | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|-------------------------|--|-----------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|--------|
|                         |  |                 | Ch 512<br>1850.2<br>MHz  | Ch 661<br>1880.0<br>MHz  | Ch 810<br>1909.8<br>MHz  | Ch 512<br>1850.2<br>MHz  | Ch 661<br>1880.0<br>MHz  | Ch 810<br>1909.8<br>MHz  |   |        |
| 3-slot<br>8PSK<br>EGPRS | Tuning Target + Tolerance [dBm]                  |                 | 24.6                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|                         | Conducted Slot Average Power [dBm]               |                 | 24.1                     | 24.0                     | 23.8                     | 0.5                      | 0.6                      | 0.8                      | dB  |        |
|                         | Time-averaged power [dBm]                        |                 | 19.8                     | 19.7                     | 19.5                     | 1.12                     | 1.15                     | 1.20                     | Lin   |        |
|                         | No testing required for this slot configuration. |                 |                          |                          |                          |                          |                          |                          |   |        |
| 4-slot<br>8PSK<br>EGPRS | Tuning Target + Tolerance [dBm]                  |                 | 24.9                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|                         | Conducted Slot Average Power [dBm]               |                 | 23.0                     | 22.9                     | 22.8                     | 0.0                      | 0.1                      | 0.2                      | dB  |        |
|                         | Time-averaged power [dBm]                        |                 | 20.0                     | 19.9                     | 19.8                     | 1.00                     | 1.02                     | 1.05                     | Lin   |        |
|                         | Left Cheek                                       | Estimated SAR   | -                        | -                        | 0.228                    | -                        | -                        | 0.239                    | -   | -      |
| Full SAR                |  | -               | -                        | -                        | -                        | -                        | -                        | -                        | -   |        |
| Mode                    | Device orientation                               | SAR measurement | Measured 1g SAR [W/kg]   |                          |                          | Reported* 1g SAR [W/kg]  |                          |                          | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|                         |  |                 | Ch 9262<br>1852.4<br>MHz | Ch 9400<br>1880.0<br>MHz | Ch 9538<br>1907.6<br>MHz | Ch 9262<br>1852.4<br>MHz | Ch 9400<br>1880.0<br>MHz | Ch 9538<br>1907.6<br>MHz |   |        |
| WCDMA                   | Tuning Target + Tolerance [dBm]                  |                 | 23.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|                         | Conducted Power [dBm]                            |                 | 23.1                     | 23.1                     | 22.9                     | 0.3                      | 0.3                      | 0.5                      | dB  |        |
|                         | Time-averaged power [dBm]                        |                 | 23.1                     | 23.1                     | 22.9                     | 1.07                     | 1.07                     | 1.12                     | Lin   |        |
|                         | Left Cheek                                       | Estimated SAR   | 0.694                    | 0.686                    | 0.681                    | 0.744                    | 0.735                    | 0.764                    | 0.04  | -      |
|                         |  | Full SAR        | 0.736                    | -                        | 0.699                    | 0.789                    | -                        | 0.784                    |   |        |
|                         | Left Tilt  | Estimated SAR   | -                        | 0.293                    | -                        | -                        | 0.314                    | -                        | -   | -      |
|                         |  | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
|                         | Right Cheek                                      | Estimated SAR   | -                        | 0.451                    | -                        | -                        | 0.483                    | -                        | -   | -      |
|                         |  | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
|                         | Right Tilt                                       | Estimated SAR   | -                        | 0.354                    | -                        | -                        | 0.379                    | -                        | -   | -      |
| Full SAR                |  | -               | -                        | -                        | -                        | -                        | -                        |                          |   |        |
| CC-3085<br>Left Cheek   | Estimated SAR                                    | 0.680           | 0.695                    | 0.701                    | 0.729                    | 0.745                    | 0.787                    | 0.01                     | 8   |        |
|                         | Full SAR   | -               | -                        | 0.710                    | -                        | -                        | 0.797                    |                          |   |        |



**WCDMA1900MHz Head SAR results / Antenna 2**

| Mode     | Device orientation              | SAR measurement | Measured 1g SAR [W/kg] |                       |                       | Reported* 1g SAR [W/kg] |                       |                       | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|----------|---------------------------------|-----------------|------------------------|-----------------------|-----------------------|-------------------------|-----------------------|-----------------------|---|--------|
|          |                                 |                 | Ch 9262<br>1852.4 MHz  | Ch 9400<br>1880.0 MHz | Ch 9538<br>1907.6 MHz | Ch 9262<br>1852.4 MHz   | Ch 9400<br>1880.0 MHz | Ch 9538<br>1907.6 MHz |   |        |
| WCDMA    | Tuning Target + Tolerance [dBm] |                 | 23.4                   |                       |                       | Scaling factor*         |                       |                       |   |        |
|          | Conducted Power [dBm]           |                 | 22.6                   | 22.6                  | 22.4                  | 0.8                     | 0.8                   | 1.0                   | dB  |        |
|          | Time-averaged power [dBm]       |                 | 22.6                   | 22.6                  | 22.4                  | 1.20                    | 1.20                  | 1.26                  | Lin   |        |
|          | Left Cheek                      | Estimated SAR   | 0.554                  | 0.561                 | 0.604                 | 0.666                   | 0.674                 | 0.760                 | 0.02  | -      |
|          |                                 | Full SAR        | -                      | -                     | 0.622                 | -                       | -                     | 0.783                 |   |        |
|          | Left Tilt                       | Estimated SAR   | -                      | 0.328                 | -                     | -                       | 0.394                 | -                     | -   | -      |
|          |                                 | Full SAR        | -                      | -                     | -                     | -                       | -                     | -                     |   |        |
|          | Right Cheek                     | Estimated SAR   | -                      | 0.464                 | -                     | -                       | 0.558                 | -                     | -   | -      |
|          |                                 | Full SAR        | -                      | -                     | -                     | -                       | -                     | -                     |   |        |
|          | Right Tilt                      | Estimated SAR   | -                      | 0.370                 | -                     | -                       | 0.445                 | -                     | -   | -      |
|          |                                 | Full SAR        | -                      | -                     | -                     | -                       | -                     | -                     |   |        |
|          | CC-3085 Left Cheek              | Estimated SAR   | 0.567                  | 0.565                 | 0.596                 | 0.682                   | 0.679                 | 0.750                 | 0.03  | -      |
| Full SAR |                                 | -               | -                      | 0.626                 | -                     | -                       | 0.788                 |                       |   |        |

**LTE1900 (Band 2) Head SAR results / Antenna 1**

| Mode                                    | Device orientation   | SAR measurement | Measured 1g SAR [W/kg]    |                           |                           | Reported* 1g SAR [W/kg]   |                           |                           | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|---|--|-----------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---|--------|
|   |  |                 | Ch 18700<br>1860.0<br>MHz | Ch 18900<br>1880.0<br>MHz | Ch 19100<br>1900.0<br>MHz | Ch 18700<br>1860.0<br>MHz | Ch 18900<br>1880.0<br>MHz | Ch 19100<br>1900.0<br>MHz |   |        |
| 20MHz<br>Ch BW<br>1RB<br>0%<br>offset   | Tuning Target + Tolerance [dBm]  |                 | 22.9                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|   | Conducted Power [dBm]  |                 | 22.5                      | 22.6                      | 22.6                      | 0.4                       | 0.3                       | 0.3                       | dB  |        |
|   | Time-averaged Power [dBm]  |                 | 22.5                      | 22.6                      | 22.6                      | 1.10                      | 1.07                      | 1.07                      | Lin   |        |
|   | Left Cheek   | Estimated SAR   | -                         | 0.276                     | -                         | -                         | 0.296                     | -                         | -   | -      |
|   |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         | -   | -      |
|   | Left Tilt  | Estimated SAR   | -                         | 0.181                     | -                         | -                         | 0.194                     | -                         | -   | -      |
|   |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         | -   | -      |
|   | Right Cheek  | Estimated SAR   | -                         | 0.538                     | -                         | -                         | 0.576                     | -                         | 0.00  | -      |
|   |  | Full SAR        | -                         | 0.538                     | -                         | -                         | 0.576                     | -                         | -   | -      |
|   | Right Tilt   | Estimated SAR   | -                         | 0.200                     | -                         | -                         | 0.214                     | -                         | -   | -      |
| Full SAR                                |  | -               | -                         | -                         | -                         | -                         | -                         | -                         | -   |        |
| CC-3085<br>Right Cheek                  | Estimated SAR  | -               | 0.556                     | -                         | -                         | 0.596                     | -                         | 0.01                      | -   |        |
|   | Full SAR   | -               | 0.551                     | -                         | -                         | 0.590                     | -                         | -                         | -   |        |
| 20MHz<br>Ch BW<br>1RB<br>50%<br>offset  | Tuning Target + Tolerance [dBm]  |                 | 22.9                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|   | Conducted Power [dBm]  |                 | 22.5                      | 22.5                      | 22.5                      | 0.4                       | 0.4                       | 0.4                       | dB  |        |
|   | Time-averaged Power [dBm]  |                 | 22.5                      | 22.5                      | 22.5                      | 1.10                      | 1.10                      | 1.10                      | Lin   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |
| 20MHz<br>Ch BW<br>1RB<br>100%<br>offset | Tuning Target + Tolerance [dBm]  |                 | 22.9                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|   | Conducted Power [dBm]  |                 | 22.4                      | 22.5                      | 22.4                      | 0.5                       | 0.4                       | 0.5                       | dB  |        |
|   | Time-averaged Power [dBm]  |                 | 22.4                      | 22.5                      | 22.4                      | 1.12                      | 1.10                      | 1.12                      | Lin   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |
| 20MHz<br>Ch BW<br>50%RB<br>0%<br>offset | Tuning Target + Tolerance [dBm]  |                 | 21.9                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|   | Conducted Power [dBm]  |                 | 21.5                      | 21.5                      | 21.5                      | 0.4                       | 0.4                       | 0.4                       | dB  |        |
|   | Time-averaged Power [dBm]  |                 | 21.5                      | 21.5                      | 21.5                      | 1.10                      | 1.10                      | 1.10                      | Lin   |        |
|   | Left Cheek   | Estimated SAR   | -                         | 0.216                     | -                         | -                         | 0.237                     | -                         | -   | -      |
|   |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         | -   | -      |
|   | Left Tilt  | Estimated SAR   | -                         | 0.145                     | -                         | -                         | 0.159                     | -                         | -   | -      |
|   |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         | -   | -      |
|   | Right Cheek  | Estimated SAR   | -                         | 0.443                     | -                         | -                         | 0.486                     | -                         | -   | -      |
|   |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         | -   | -      |
|   | Right Tilt   | Estimated SAR   | -                         | 0.166                     | -                         | -                         | 0.182                     | -                         | -   | -      |
| Full SAR                                |  | -               | -                         | -                         | -                         | -                         | -                         | -                         | -   |        |

(LTE1900 (Band 2) Head SAR / Antenna 1 Table continues)

(LTE1900 (Band 2) Head SAR / Antenna 1 Table continues)

| Mode                           | Device orientation   | SAR measurement | Measured 1g SAR [W/kg] |                     |                     | Reported* 1g SAR [W/kg] |                     |                     | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--------------------------------|--|-----------------|------------------------|---------------------|---------------------|-------------------------|---------------------|---------------------|---|--------|
|                                |  |                 | Ch 18700 1860.0 MHz    | Ch 18900 1880.0 MHz | Ch 19100 1900.0 MHz | Ch 18700 1860.0 MHz     | Ch 18900 1880.0 MHz | Ch 19100 1900.0 MHz |   |        |
| 20MHz Ch BW 50% RB 50% offset  | Tuning Target + Tolerance [dBm]  |                 | 21.9                   |                     |                     | Scaling factor*         |                     |                     |   |        |
|                                | Conducted Power [dBm]  |                 | 21.5                   | 21.5                | 21.5                | 0.4                     | 0.4                 | 0.4                 | dB  |        |
|                                | Time-averaged Power [dBm]  |                 | 21.5                   | 21.5                | 21.5                | 1.10                    | 1.10                | 1.10                | Lin   |        |
|                                | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                        |                     |                     |                         |                     |                     |   |        |
| 20MHz Ch BW 50% RB 100% offset | Tuning Target + Tolerance [dBm]  |                 | 21.9                   |                     |                     | Scaling factor*         |                     |                     |   |        |
|                                | Conducted Power [dBm]  |                 | 21.5                   | 21.5                | 21.3                | 0.4                     | 0.4                 | 0.6                 | dB  |        |
|                                | Time-averaged Power [dBm]  |                 | 21.5                   | 21.5                | 21.3                | 1.10                    | 1.10                | 1.15                | Lin   |        |
|                                | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                        |                     |                     |                         |                     |                     |   |        |
| 20MHz Ch BW 100% RB            | Tuning Target + Tolerance [dBm]  |                 | 21.9                   |                     |                     | Scaling factor*         |                     |                     |   |        |
|                                | Conducted Power [dBm]  |                 | 21.5                   | 21.5                | 21.4                | 0.4                     | 0.4                 | 0.5                 | dB  |        |
|                                | Time-averaged Power [dBm]  |                 | 21.5                   | 21.5                | 21.4                | 1.10                    | 1.10                | 1.12                | Lin   |        |
|                                | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                        |                     |                     |                         |                     |                     |   |        |

**LTE1900 (Band 2) Head SAR results / Antenna 2**

| Mode                                    | Device orientation   | SAR measurement | Measured 1g SAR [W/kg]    |                           |                           | Reported* 1g SAR [W/kg]   |                           |                           | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|---|--|-----------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---|--------|
|   |  |                 | Ch 18700<br>1860.0<br>MHz | Ch 18900<br>1880.0<br>MHz | Ch 19100<br>1900.0<br>MHz | Ch 18700<br>1860.0<br>MHz | Ch 18900<br>1880.0<br>MHz | Ch 19100<br>1900.0<br>MHz |   |        |
| 20MHz<br>Ch BW<br>1RB<br>0%<br>offset   | Tuning Target + Tolerance [dBm]  |                 | 22.9                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|   | Conducted Power [dBm]  |                 | 22.0                      | 22.1                      | 22.1                      | 0.9                       | 0.8                       | 0.8                       | dB  |        |
|   | Time-averaged Power [dBm]  |                 | 22.0                      | 22.1                      | 22.1                      | 1.23                      | 1.20                      | 1.20                      | Lin   |        |
|   | Left Cheek   | Estimated SAR   | 0.831                     | 0.827                     | 0.791                     | 1.02                      | 0.994                     | 0.951                     | 0.01  | -      |
|   |  | Full SAR        | 0.841                     | -                         | -                         | 1.04                      | -                         | -                         |   |        |
|   | Left Tilt  | Estimated SAR   | -                         | 0.341                     | -                         | -                         | 0.410                     | -                         | -   | -      |
|   |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         |   |        |
|   | Right Cheek  | Estimated SAR   | -                         | 0.478                     | -                         | -                         | 0.575                     | -                         | 0.04  | -      |
|   |  | Full SAR        | -                         | 0.515                     | -                         | -                         | 0.619                     | -                         |   |        |
|   | Right Tilt   | Estimated SAR   | -                         | 0.370                     | -                         | -                         | 0.445                     | -                         | -   | -      |
| Full SAR                                |  | -               | -                         | -                         | -                         | -                         | -                         |                           |   |        |
| CC-3085<br>Left Cheek                   | Estimated SAR  | 0.802           | 0.833                     | 0.767                     | 0.987                     | 1.00                      | 0.92                      | 0.05                      | 9   |        |
|   | Full SAR   | -               | 0.882                     | -                         | -                         | 1.06                      | -                         |                           |   |        |
| Repeated SAR<br>CC-3085<br>Left Cheek   | Estimated SAR  | -               | 0.831                     | -                         | -                         | 1.00                      | -                         | 0.03                      | -   |        |
|   | Full SAR   | -               | 0.857                     | -                         | -                         | 1.03                      | -                         |                           |   |        |
| 20MHz<br>Ch BW<br>1RB<br>50%<br>offset  | Tuning Target + Tolerance [dBm]  |                 | 22.9                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|   | Conducted Power [dBm]  |                 | 22.0                      | 22.0                      | 22.0                      | 0.9                       | 0.9                       | 0.9                       | dB  |        |
|   | Time-averaged Power [dBm]  |                 | 22.0                      | 22.0                      | 22.0                      | 1.23                      | 1.23                      | 1.23                      | Lin   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |
| 20MHz<br>Ch BW<br>1RB<br>100%<br>offset | Tuning Target + Tolerance [dBm]  |                 | 22.9                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|   | Conducted Power [dBm]  |                 | 21.9                      | 22.0                      | 21.9                      | 1.0                       | 0.9                       | 1.0                       | dB  |        |
|   | Time-averaged Power [dBm]  |                 | 21.9                      | 22.0                      | 21.9                      | 1.26                      | 1.23                      | 1.26                      | Lin   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |
| 20MHz<br>Ch BW<br>50%RB<br>0%<br>offset | Tuning Target + Tolerance [dBm]  |                 | 21.9                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|   | Conducted Power [dBm]  |                 | 21.0                      | 21.0                      | 21.0                      | 0.9                       | 0.9                       | 0.9                       | dB  |        |
|   | Time-averaged Power [dBm]  |                 | 21.0                      | 21.0                      | 21.0                      | 1.23                      | 1.23                      | 1.23                      | Lin   |        |
|   | Left Cheek   | Estimated SAR   | -                         | 0.626                     | -                         | -                         | 0.770                     | -                         | -   | -      |
|   |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         |   |        |
|   | Left Tilt  | Estimated SAR   | -                         | 0.258                     | -                         | -                         | 0.317                     | -                         | -   | -      |
|   |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         |   |        |
|   | Right Cheek  | Estimated SAR   | -                         | 0.375                     | -                         | -                         | 0.461                     | -                         | -   | -      |
|   |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         |   |        |
|   | Right Tilt   | Estimated SAR   | -                         | 0.292                     | -                         | -                         | 0.359                     | -                         | -   | -      |
| Full SAR                                |  | -               | -                         | -                         | -                         | -                         | -                         |                           |   |        |

(LTE1900 (Band 2) Head SAR / Antenna 2 Table continues)

(LTE1900 (Band 2) Head SAR / Antenna 2 Table continues)

| Mode                                       | Device orientation   | SAR measurement | Measured 1g SAR [W/kg]    |                           |                           | Reported* 1g SAR [W/kg]   |                           |                           | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--|--|-----------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---|--------|
|  |  |                 | Ch 18700<br>1860.0<br>MHz | Ch 18900<br>1880.0<br>MHz | Ch 19100<br>1900.0<br>MHz | Ch 18700<br>1860.0<br>MHz | Ch 18900<br>1880.0<br>MHz | Ch 19100<br>1900.0<br>MHz |   |        |
| 20MHz<br>Ch BW<br>50% RB<br>50%<br>offset  | Tuning Target + Tolerance [dBm]  |                 | 21.9                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|  | Conducted Power [dBm]  |                 | 21.0                      | 21.0                      | 21.0                      | 0.9                       | 0.9                       | 0.9                       | dB  |        |
|  | Time-averaged Power [dBm]  |                 | 21.0                      | 21.0                      | 21.0                      | 1.23                      | 1.23                      | 1.23                      | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |
| 20MHz<br>Ch BW<br>50% RB<br>100%<br>offset | Tuning Target + Tolerance [dBm]  |                 | 21.9                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|  | Conducted Power [dBm]  |                 | 21.0                      | 21.0                      | 20.8                      | 0.9                       | 0.9                       | 1.1                       | dB  |        |
|  | Time-averaged Power [dBm]  |                 | 21.0                      | 21.0                      | 20.8                      | 1.23                      | 1.23                      | 1.29                      | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |
| 20MHz<br>Ch BW<br>100%<br>RB               | Tuning Target + Tolerance [dBm]  |                 | 21.9                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|  | Conducted Power [dBm]  |                 | 21.0                      | 21.0                      | 20.9                      | 0.9                       | 0.9                       | 1.0                       | dB  |        |
|  | Time-averaged Power [dBm]  |                 | 21.0                      | 21.0                      | 20.9                      | 1.23                      | 1.23                      | 1.26                      | Lin   |        |
|  | Left Cheek   | Estimated SAR   | -                         | 0.646                     | -                         | -                         | 0.795                     | -                         | -   | -      |
|  |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         | -   | -      |
|  | Left Tilt  | Estimated SAR   | -                         | -                         | -                         | -                         | -                         | -                         | -   | -      |
|  |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         | -   | -      |
|  | Right Cheek  | Estimated SAR   | -                         | -                         | -                         | -                         | -                         | -                         | -   | -      |
|  |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         | -   | -      |
|  | Right Tilt   | Estimated SAR   | -                         | -                         | -                         | -                         | -                         | -                         | -   | -      |
| Full SAR                                   |  | -               | -                         | -                         | -                         | -                         | -                         | -                         | -   |        |

**LTE2500 (Band 7) Head SAR results / Antenna 2**

| Mode                                     | Device orientation   | SAR measurement | Measured 1g SAR [W/kg]    |                           |                           | Reported* 1g SAR [W/kg]   |                           |                           | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--|--|-----------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---|--------|
|  |  |                 | Ch 20850<br>2510.0<br>MHz | Ch 21100<br>2535.0<br>MHz | Ch 21350<br>2560.0<br>MHz | Ch 20850<br>2510.0<br>MHz | Ch 21100<br>2535.0<br>MHz | Ch 21350<br>2560.0<br>MHz |   |        |
| 20MHz<br>Ch BW<br>1RB<br>0%<br>offset    | Tuning Target + Tolerance [dBm]  |                 | 22.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|  | Conducted Power [dBm]  |                 | 21.6                      | 22.0                      | 22.0                      | 0.8                       | 0.4                       | 0.4                       | dB  |        |
|  | Time-averaged Power [dBm]  |                 | 21.6                      | 22.0                      | 22.0                      | 1.20                      | 1.10                      | 1.10                      | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |
| 20MHz<br>Ch BW<br>1RB<br>50%<br>offset   | Tuning Target + Tolerance [dBm]  |                 | 22.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|  | Conducted Power [dBm]  |                 | 21.8                      | 22.1                      | 22.0                      | 0.6                       | 0.3                       | 0.4                       | dB  |        |
|  | Time-averaged Power [dBm]  |                 | 21.8                      | 22.1                      | 22.0                      | 1.15                      | 1.07                      | 1.10                      | Lin   |        |
|  | Left Cheek   | Estimated SAR   | -                         | 0.305                     | -                         | -                         | 0.327                     | -                         | 0.02  | -      |
|  |  | Full SAR        | -                         | 0.283                     | -                         | -                         | 0.303                     | -                         |   |        |
|  | Left Tilt  | Estimated SAR   | -                         | 0.094                     | -                         | -                         | 0.101                     | -                         | -   | -      |
|  |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         |   |        |
|  | Right Cheek  | Estimated SAR   | -                         | 0.201                     | -                         | -                         | 0.215                     | -                         | -   | -      |
|  |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         |   |        |
|  | Right Tilt   | Estimated SAR   | -                         | 0.107                     | -                         | -                         | 0.115                     | -                         | -   | -      |
| Full SAR                                 |  | -               | -                         | -                         | -                         | -                         | -                         |                           |   |        |
| CC-3085<br>Left Cheek                    | Estimated SAR  | -               | 0.357                     | -                         | -                         | 0.383                     | -                         | 0.00                      | 10  |        |
|  | Full SAR   | -               | 0.358                     | -                         | -                         | 0.384                     | -                         |                           |   |        |
| 20MHz<br>Ch BW<br>1RB<br>100%<br>offset  | Tuning Target + Tolerance [dBm]  |                 | 22.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|  | Conducted Power [dBm]  |                 | 22.0                      | 22.1                      | 21.7                      | 0.4                       | 0.3                       | 0.7                       | dB  |        |
|  | Time-averaged Power [dBm]  |                 | 22.0                      | 22.1                      | 21.7                      | 1.10                      | 1.07                      | 1.17                      | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |
| 20MHz<br>Ch BW<br>50%RB<br>0%<br>offset  | Tuning Target + Tolerance [dBm]  |                 | 21.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|  | Conducted Power [dBm]  |                 | 20.7                      | 21.0                      | 21.0                      | 0.7                       | 0.4                       | 0.4                       | dB  |        |
|  | Time-averaged Power [dBm]  |                 | 20.7                      | 21.0                      | 21.0                      | 1.17                      | 1.10                      | 1.10                      | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |
| 20MHz<br>Ch BW<br>50%RB<br>50%<br>offset | Tuning Target + Tolerance [dBm]  |                 | 21.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|  | Conducted Power [dBm]  |                 | 20.9                      | 21.1                      | 21.2                      | 0.5                       | 0.3                       | 0.2                       | dB  |        |
|  | Time-averaged Power [dBm]  |                 | 20.9                      | 21.1                      | 21.2                      | 1.12                      | 1.07                      | 1.05                      | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |

(LTE2500 (Band 7) Head SAR / Antenna 2 Table continues)

(LTE2500 (Band 7) Head SAR / Antenna 2 Table continues)

| Mode                          | Device orientation              | SAR measurement | Measured 1g SAR [W/kg]   |                     |                     | Reported* 1g SAR [W/kg] |                     |                     | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|-------------------------------|---------------------------------|-----------------|--|---------------------|---------------------|-------------------------|---------------------|---------------------|---|--------|
|                               |                                 |                 | Ch 20850 2510.0 MHz  | Ch 21100 2535.0 MHz | Ch 21350 2560.0 MHz | Ch 20050 2510.0 MHz     | Ch 23175 2535.0 MHz | Ch 20300 2560.0 MHz |   |        |
| 20MHz Ch BW 50%RB 100% offset | Tuning Target + Tolerance [dBm] |                 | 21.4   |                     |                     | Scaling factor*         |                     |                     |   |        |
|                               | Conducted Power [dBm]           |                 | 21.0   | 21.1                | 21.2                | 0.4                     | 0.3                 | 0.2                 | dB  |        |
|                               | Time-averaged Power [dBm]       |                 | 21.0   | 21.1                | 21.2                | 1.10                    | 1.07                | 1.05                | Lin   |        |
|                               | Left Cheek                      | Estimated SAR   | -  | -                   | 0.239               | -                       | -                   | 0.250               | -   | -      |
|                               |                                 | Full SAR        | -  | -                   | -                   | -                       | -                   | -                   | -   | -      |
|                               | Left Tilt                       | Estimated SAR   | -  | -                   | 0.075               | -                       | -                   | 0.079               | -   | -      |
|                               |                                 | Full SAR        | -  | -                   | -                   | -                       | -                   | -                   | -   | -      |
|                               | Right Cheek                     | Estimated SAR   | -  | -                   | 0.176               | -                       | -                   | 0.184               | -   | -      |
|                               |                                 | Full SAR        | -  | -                   | -                   | -                       | -                   | -                   | -   | -      |
|                               | Right Tilt                      | Estimated SAR   | -  | -                   | 0.097               | -                       | -                   | 0.101               | -   | -      |
| Full SAR                      |                                 | -               | -  | -                   | -                   | -                       | -                   | -                   | -   |        |
| 20MHz Ch BW 100% RB           | Tuning Target + Tolerance [dBm] |                 | 21.4   |                     |                     | Scaling factor*         |                     |                     |   |        |
|                               | Conducted Power [dBm]           |                 | 20.9   | 21.0                | 21.1                | 0.5                     | 0.4                 | 0.3                 | dB  |        |
|                               | Time-averaged Power [dBm]       |                 | 20.9   | 21.0                | 21.1                | 1.12                    | 1.10                | 1.07                | Lin   |        |
|                               |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                     |                     |                         |                     |                     |   |        |

**2450MHz Head SAR results**

| Mode  | Device orientation              | SAR measurement | Measured 1g SAR [W/kg] |                    |                     | Reported* 1g SAR [W/kg] |                    |                     | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|---|---------------------------------|-----------------|------------------------|--------------------|---------------------|-------------------------|--------------------|---------------------|---|--------|
|   |                                 |                 | Ch 1<br>2412.0 MHz     | Ch 6<br>2437.0 MHz | Ch 11<br>2462.0 MHz | Ch 1<br>2412.0 MHz      | Ch 6<br>2437.0 MHz | Ch 11<br>2462.0 MHz |   |        |
| WLAN<br>b-mode<br>BPSK<br>1Mbps                   | Tuning Target + Tolerance [dBm] |                 | 17.5                   |                    |                     | Scaling factor*         |                    |                     |   |        |
|   | Conducted Power [dBm]           |                 | 16.2                   | 16.4               | 16.5                | 1.4                     | 1.1                | 1.1                 | dB  |        |
|   | Time-averaged power [dBm]       |                 | 16.2                   | 16.4               | 16.5                | 1.36                    | 1.29               | 1.27                | Lin   |        |
|   | Left Cheek                      | Estimated SAR   | 0.625                  | 0.661              | 0.728               | 0.853                   | 0.855              | 0.927               | 0.01  | -      |
|   |                                 | Full SAR        | -                      | -                  | 0.714               | -                       | -                  | 0.909               |   |        |
|   | Left Tilt                       | Estimated SAR   | -                      | 0.502              | -                   | -                       | 0.650              | -                   | -   | -      |
|   |                                 | Full SAR        | -                      | -                  | -                   | -                       | -                  | -                   |   |        |
|   | Right Cheek                     | Estimated SAR   | -                      | 0.326              | -                   | -                       | 0.422              | -                   | -   | -      |
|   |                                 | Full SAR        | -                      | -                  | -                   | -                       | -                  | -                   |   |        |
|   | Right Tilt                      | Estimated SAR   | -                      | 0.285              | -                   | -                       | 0.369              | -                   | -   | -      |
| Full SAR  |                                 | -               | -                      | -                  | -                   | -                       | -                  |                     |   |        |
| CC-3085<br>Left Cheek                             | Estimated SAR                   | 0.630           | 0.752                  | 0.756              | 0.860               | 0.973                   | 0.963              | 0.03                | 11  |        |
|   | Full SAR                        | -               | -                      | 0.723              | -                   | -                       | 0.921              |                     |   |        |
| Mode  | Device orientation              | SAR measurement | Measured 1g SAR [W/kg] |                    |                     | Reported* 1g SAR [W/kg] |                    |                     | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|   |                                 |                 | Ch 2<br>2417.0 MHz     | Ch 6<br>2437.0 MHz | Ch 11<br>2462.0 MHz | Ch 2<br>2417.0 MHz      | Ch 6<br>2437.0 MHz | Ch 11<br>2462.0 MHz |   |        |
| WLAN<br>n-mode<br>16QAM<br>26.0 /<br>28.9<br>Mbps | Tuning Target + Tolerance [dBm] |                 | 17.5                   |                    |                     | Scaling factor*         |                    |                     |   |        |
|   | Conducted Power [dBm]           |                 | 16.6                   | 16.7               | -                   | 0.9                     | 0.9                | 0.0                 | dB  |        |
|   | Time-averaged power [dBm]       |                 | 16.6                   | 16.7               | -                   | 1.23                    | 1.22               | 1.00                | Lin   |        |
|   | Left Cheek                      | Estimated SAR   | 0.698                  | 0.717              | -                   | 0.861                   | 0.872              | -                   | -   | -      |
| Full SAR  |                                 | -               | -                      | -                  | -                   | -                       | -                  |                     |   |        |



**Simultaneous transmissions: Combined head SAR results –  
Individual band Max results**

| Test configuration | Max. Reported* 1g SAR results |                  |                   |                 |                         |
|--------------------|-------------------------------|------------------|-------------------|-----------------|-------------------------|
|                    | WLAN                          | Antenna 1        |                   |                 |                         |
|                    |                               | LTE700 (Band 17) | WCDMA850 (Band 5) | LTE850 (Band 5) | WCDMA1700/2100 (Band 4) |
| Head: Left, Cheek  | 0.921                         | 0.090            | 0.117             | 0.297           | 0.570                   |
| Head: Left, Tilt   | 0.650                         | 0.055            | 0.099             | 0.260           | 0.416                   |
| Head: Right, Cheek | 0.422                         | 0.151            | 0.252             | 0.375           | 0.402                   |
| Head: Right, Tilt  | 0.369                         | 0.075            | 0.111             | 0.265           | 0.334                   |

| Test configuration | Max. Reported* 1g SAR results |                 |                    |                  |
|--------------------|-------------------------------|-----------------|--------------------|------------------|
|                    | Antenna 1                     |                 |                    |                  |
|                    | LTE1700/2100 (Band 4)         | 2-slot GPRS1900 | WCDMA1900 (Band 2) | LTE1900 (Band 2) |
| Head: Left, Cheek  | 0.477                         | 0.633           | 0.797              | 0.296            |
| Head: Left, Tilt   | 0.173                         | 0.242           | 0.314              | 0.194            |
| Head: Right, Cheek | 0.426                         | 0.348           | 0.483              | 0.590            |
| Head: Right, Tilt  | 0.189                         | 0.242           | 0.379              | 0.214            |

| Test configuration | Max. Reported* 1g SAR results |                  |                |                   |                 |                         |
|--------------------|-------------------------------|------------------|----------------|-------------------|-----------------|-------------------------|
|                    | WLAN                          | Antenna 2        |                |                   |                 |                         |
|                    |                               | LTE700 (Band 17) | 2-slot GPRS850 | WCDMA850 (band 5) | LTE850 (Band 5) | WCDMA1700/2100 (Band 4) |
| Head: Left, Cheek  | 0.921                         | 0.393            | 0.654          | 0.700             | 0.465           | 0.754                   |
| Head: Left, Tilt   | 0.650                         | 0.199            | 0.370          | 0.491             | 0.253           | 0.509                   |
| Head: Right, Cheek | 0.422                         | 0.332            | 0.378          | 0.491             | 0.308           | 0.625                   |
| Head: Right, Tilt  | 0.369                         | 0.243            | 0.317          | 0.367             | 0.209           | 0.458                   |

| Test configuration | Max. Reported* 1g SAR results |                    |                   |                  |
|--------------------|-------------------------------|--------------------|-------------------|------------------|
|                    | Antenna 2                     |                    |                   |                  |
|                    | LTE1700/2100 (Band 4)         | WCDMA1900 (Band 2) | LTE 1900 (Band 2) | LTE2500 (Band 7) |
| Head: Left, Cheek  | 0.644                         | 0.788              | 1.06              | 0.384            |
| Head: Left, Tilt   | 0.371                         | 0.394              | 0.410             | 0.101            |
| Head: Right, Cheek | 0.516                         | 0.558              | 0.619             | 0.215            |
| Head: Right, Tilt  | 0.305                         | 0.445              | 0.445             | 0.115            |

**Simultaneous transmissions: Combined head SAR results –  
Max + Max combined results**

| Test configuration | Max. Reported* 1g SAR results |                          |                            |                                |
|--------------------|-------------------------------|--------------------------|----------------------------|--------------------------------|
|                    | Antenna 1 + WLAN              |                          |                            |                                |
|                    | LTE700 (Band 17) + WLAN       | WCDMA850 (Band 5) + WLAN | LTE850 (Band 5) + WLAN     | WCDMA1700/2100 (Band 4) + WLAN |
| Head: Left, Cheek  | 1.01                          | 1.04                     | 1.22                       | 1.49                           |
| Head: Left, Tilt   | 0.705                         | 0.749                    | 0.910                      | 1.07                           |
| Head: Right, Cheek | 0.573                         | 0.674                    | 0.797                      | 0.824                          |
| Head: Right, Tilt  | 0.444                         | 0.480                    | 0.634                      | 0.703                          |
| Test configuration | Max. Reported* 1g SAR results |                          |                            |                                |
|                    | Antenna 1 + WLAN              |                          |                            |                                |
|                    | LTE1700/2100 (Band 4) + WLAN  | 2-slot GPRS 1900 + WLAN  | WCDMA 1900 (Band 2) + WLAN | LTE1900 (Band 2) + WLAN        |
| Head: Left, Cheek  | 1.40                          | 1.55                     | 1.72                       | 1.22                           |
| Head: Left, Tilt   | 0.823                         | 0.892                    | 0.964                      | 0.844                          |
| Head: Right, Cheek | 0.848                         | 0.770                    | 0.905                      | 1.01                           |
| Head: Right, Tilt  | 0.558                         | 0.611                    | 0.748                      | 0.583                          |

| Test configuration | Max. Reported* 1g SAR results |                           |                          |                         |                                |
|--------------------|-------------------------------|---------------------------|--------------------------|-------------------------|--------------------------------|
|                    | Antenna 2                     |                           |                          |                         |                                |
|                    | LTE700 (Band 17) + WLAN       | 2-slot GPRS850 + WLAN     | WCDMA850 (band 5) + WLAN | LTE850 (Band 5) + WLAN  | WCDMA1700/2100 (Band 4) + WLAN |
| Head: Left, Cheek  | 1.31                          | 1.58                      | 1.62                     | 1.39                    | 1.68                           |
| Head: Left, Tilt   | 0.849                         | 1.02                      | 1.14                     | 0.903                   | 1.16                           |
| Head: Right, Cheek | 0.754                         | 0.800                     | 0.913                    | 0.730                   | 1.05                           |
| Head: Right, Tilt  | 0.612                         | 0.686                     | 0.736                    | 0.578                   | 0.827                          |
| Test configuration | Max. Reported* 1g SAR results |                           |                          |                         |                                |
|                    | Antenna 2                     |                           |                          |                         |                                |
|                    | LTE1700/2100 (Band 4) + WLAN  | WCDMA1900 (Band 2) + WLAN | LTE 1900 (Band 2) + WLAN | LTE2500 (Band 7) + WLAN |                                |
| Head: Left, Cheek  | 1.57                          | 1.71                      | 1.98                     | 1.31                    |                                |
| Head: Left, Tilt   | 1.02                          | 1.04                      | 1.06                     | 0.751                   |                                |
| Head: Right, Cheek | 0.938                         | 0.980                     | 1.04                     | 0.637                   |                                |
| Head: Right, Tilt  | 0.674                         | 0.814                     | 0.814                    | 0.484                   |                                |

### 7.1.1 Simultaneous Transmission SAR Test Exclusion Considerations for Head Measurements

Simultaneous transmission SAR test exclusion procedures as described in KDB 447498 D01 v05.

Following table gives antenna pair SAR to peak location separation ratios for the transmitter combinations for which the sum of simultaneously transmitting 1g SAR was above limit (See “Max+Max Combined results” table in previous section).

**Antenna Pair SAR to Peak Location Separation Ratio Antenna 1**

|                                       | WCDMA<br>1900<br>(Band 2)<br>Left<br>Cheek | WLAN<br>2450<br>Left<br>Cheek |
|---------------------------------------|--|-------------------------------|
| X [mm]                                | 65.2                                       | 35.7                          |
| Y [mm]                                | 255.6                                      | 317.8                         |
| Z [mm]                                | -175.0                                     | -174.4                        |
| DISTANCE [mm]                         | 68.87                                      |                               |
| MAX + MAX (Reported SAR)              | 1.72                                       |                               |
| SAR to peak location separation ratio | 0.03                                       |                               |

**Antenna Pair SAR to Peak Location Separation Ratio Antenna 2**

|                                       | WCDMA<br>850<br>(Band 5)<br>Left<br>Cheek | WLAN<br>2450<br>Left<br>Cheek | WCDMA<br>1700/<br>2100<br>(Band4)<br>Left<br>Cheek | WLAN<br>2450<br>Left<br>Cheek | WCDMA<br>1900<br>(Band 2)<br>Left<br>Cheek | WLAN<br>2450<br>Left<br>Cheek | LTE1900<br>(Band 2)<br>Left<br>Cheek | WLAN<br>2450<br>Left<br>Cheek |
|---------------------------------------|---|-------------------------------|--|-------------------------------|--|-------------------------------|--------------------------------------|-------------------------------|
| X [mm]                                | 63.3                                      | 35.7                          | 64.5   | 35.7                          | 66.2                                       | 35.7                          | 64.5                                 | 35.7                          |
| Y [mm]                                | 270.6                                     | 317.8                         | 257.8  | 317.8                         | 260.3                                      | 317.8                         | 254.3                                | 317.8                         |
| Z [mm]                                | -175.6                                    | -174.4                        | -173.9   | -174.4                        | -175.4                                     | -174.4                        | -175.0                               | -174.4                        |
| DISTANCE [mm]                         | 54.70                                     |                               | 66.55  |                               | 65.12                                      |                               | 69.72                                |                               |
| MAX + MAX (Reported SAR)              | 1.62                                      |                               | 1.68   |                               | 1.71                                       |                               | 1.98                                 |                               |
| SAR to peak location separation ratio | 0.04                                      |                               | 0.03   |                               | 0.03                                       |                               | 0.04                                 |                               |

All simultaneous transmitter configurations where all antenna pairs’ SPLSR is equal to or below 0.04 are excluded from expanded zoom scan testing.

7.1.2 Combined Head SAR data

The Combined SAR data given in the tables below has been voluntarily calculated and should be ignored for FCC certification.

The following table gives a more accurate assessment of the SAR values for simultaneous transmission. These values have been calculated using the SPEAG Combined Multiband algorithm, which is based on area scans. It a) converts the 2D area scans into 3D volume scans by assuming frequency-dependent decay characteristics for the E-field, b) sums the SAR values for WLAN2450 and the cellular bands point-by-point and c) calculates the combined average SAR values. It is these values that appear in the Summary table in Section 1.2.1.

**Simultaneous transmissions: Combined head SAR results –  
SPEAG Combined Multiband algorithm results**

| Test configuration | Max. Reported* 1g SAR results |                          |                            |                                |
|--------------------|-------------------------------|--------------------------|----------------------------|--------------------------------|
|                    | Antenna 1 + WLAN              |                          |                            |                                |
|                    | LTE700 (Band 17) + WLAN       | WCDMA850 (Band 5) + WLAN | LTE850 (Band 5) + WLAN     | WCDMA1700/2100 (Band 4) + WLAN |
| Head: Left, Cheek  | -                             | -                        | -                          | -                              |
| Head: Left, Tilt   | -                             | -                        | -                          | -                              |
| Head: Right, Cheek | -                             | -                        | -                          | -                              |
| Head: Right, Tilt  | -                             | -                        | -                          | -                              |
| Test configuration | Max. Reported* 1g SAR results |                          |                            |                                |
|                    | Antenna 1 + WLAN              |                          |                            |                                |
|                    | LTE1700/2100 (Band 4) + WLAN  | 2-slot GPRS 1900 + WLAN  | WCDMA 1900 (Band 2) + WLAN | LTE1900 (Band 2) + WLAN        |
| Head: Left, Cheek  | -                             | 1.05                     | 1.06                       | -                              |
| Head: Left, Tilt   | -                             | -                        | -                          | -                              |
| Head: Right, Cheek | -                             | -                        | -                          | -                              |
| Head: Right, Tilt  | -                             | -                        | -                          | -                              |

| Test configuration | Max. Reported* 1g SAR results |                           |                          |                         |                                |
|--------------------|-------------------------------|---------------------------|--------------------------|-------------------------|--------------------------------|
|                    | Antenna 2                     |                           |                          |                         |                                |
|                    | LTE700 (Band 17) + WLAN       | 2-slot GPRS850 + WLAN     | WCDMA850 (band 5) + WLAN | LTE850 (Band 5) + WLAN  | WCDMA1700/2100 (Band 4) + WLAN |
| Head: Left, Cheek  | 1.06                          | 1.11                      | 1.11                     | 1.05                    | 1.22                           |
| Head: Left, Tilt   | -                             | -                         | -                        | -                       | -                              |
| Head: Right, Cheek | -                             | -                         | -                        | -                       | -                              |
| Head: Right, Tilt  | -                             | -                         | -                        | -                       | -                              |
| Test configuration | Max. Reported* 1g SAR results |                           |                          |                         |                                |
|                    | Antenna 2                     |                           |                          |                         |                                |
|                    | LTE1700/2100 (Band 4) + WLAN  | WCDMA1900 (Band 2) + WLAN | LTE 1900 (Band 2) + WLAN | LTE2500 (Band 7) + WLAN |                                |
| Head: Left, Cheek  | 1.20                          | -                         | 1.09                     | 0.995                   |                                |
| Head: Left, Tilt   | -                             | -                         | -                        | -                       |                                |
| Head: Right, Cheek | -                             | -                         | -                        | -                       |                                |
| Head: Right, Tilt  | -                             | -                         | -                        | -                       |                                |

Plots for the combinations with MAX+MAX result >1.6 are included in Appendix B, namely the plots #12-15.

7.2 The measured Body SAR values for the test device are tabulated below:

LTE700 (Band 17) Body SAR results / Antenna 1

| Mode  | Test configuration   |                 | SAR measurement |       | Measured 1g SAR [W/kg] |                       |                       | Reported* 1g SAR [W/kg] |                       |                       | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|---|--|-----------------|-----------------|-------|------------------------|-----------------------|-----------------------|-------------------------|-----------------------|-----------------------|---|--------|
|   |  |                 |                 |       | Ch 23780<br>709.0 MHz  | Ch 23790<br>710.0 MHz | Ch 23800<br>711.0 MHz | Ch 23780<br>709.0 MHz   | Ch 23790<br>710.0 MHz | Ch 23800<br>711.0 MHz |   |        |
| 10MHz<br>Ch BW<br>1RB<br>0%<br>offset       | Tuning Target + Tolerance [dBm]  |                 | 23.4            |       |                        | Scaling factor*       |                       |                         |                       |                       |   |        |
|   | Conducted Power [dBm]  |                 | 22.8            | 22.8  | 22.8                   | 0.6                   | 0.6                   | 0.6                     | dB                    |                       |   |        |
|   | Time-averaged power [dBm]  |                 | 22.8            | 22.8  | 22.8                   | 1.15                  | 1.15                  | 1.15                    | Lin                   |                       |   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                 |       |                        |                       |                       |                         |                       |                       |   |        |
| 10MHz<br>Ch BW<br>1RB<br>50%<br>offset      | Tuning Target + Tolerance [dBm]  |                 | 23.4            |       |                        | Scaling factor*       |                       |                         |                       |                       |   |        |
|   | Conducted Power [dBm]  |                 | 22.9            | 22.9  | 22.8                   | 0.5                   | 0.5                   | 0.6                     | dB                    |                       |   |        |
|   | Time-averaged power [dBm]  |                 | 22.9            | 22.9  | 22.8                   | 1.12                  | 1.12                  | 1.15                    | Lin                   |                       |   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                 |       |                        |                       |                       |                         |                       |                       |   |        |
| 10MHz<br>Ch BW<br>1RB<br>100%<br>offset     | Tuning Target + Tolerance [dBm]  |                 | 23.4            |       |                        | Scaling factor*       |                       |                         |                       |                       |   |        |
|   | Conducted Power [dBm]  |                 | 22.9            | 23.0  | 22.9                   | 0.5                   | 0.4                   | 0.5                     | dB                    |                       |   |        |
|   | Time-averaged power [dBm]  |                 | 22.9            | 23.0  | 22.9                   | 1.12                  | 1.10                  | 1.12                    | Lin                   |                       |   |        |
|   | Back facing phantom  | Without headset | Estimated SAR   | -     | 0.159                  | -                     | -                     | 0.174                   | -                     | 0.00                  | -   |        |
|   |  |                 | Full SAR        | -     | 0.160                  | -                     | -                     | 0.175                   | -                     |                       |   |        |
|   | Headset WH-108   | Headset WH-108  | Estimated SAR   | -     | 0.112                  | -                     | -                     | 0.123                   | -                     | -                     | -   |        |
|   |  |                 | Full SAR        | -     | -                      | -                     | -                     | -                       | -                     |                       |   |        |
|   | Display facing phantom   | Without headset | Estimated SAR   | -     | 0.136                  | -                     | -                     | 0.149                   | -                     | -                     | -   |        |
|   |  |                 | Full SAR        | -     | -                      | -                     | -                     | -                       | -                     |                       |   |        |
|   | Headset WH-108   | Headset WH-108  | Estimated SAR   | -     | 0.118                  | -                     | -                     | 0.129                   | -                     | -                     | -   |        |
| Full SAR                                    |  |                 | -               | -     | -                      | -                     | -                     | -                       |                       |                       |   |        |
| CC-3085 Back facing phantom without headset |  | Estimated SAR   | -               | 0.155 | -                      | -                     | 0.170                 | -                       | 0.00                  | -                     |   |        |
|   |  | Full SAR        | -               | 0.157 | -                      | -                     | 0.172                 | -                       |                       |                       |   |        |

(LTE700 (Band 17) Body SAR / Antenna 1 Table continues)

(LTE700 (Band 17) Body SAR / Antenna 1 Table continues)

| Mode                                 | Test configuration   |                 | SAR measurement | Measured 1g SAR [W/kg] |           |                 | Reported* 1g SAR [W/kg] |           |           | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--------------------------------------|--|-----------------|-----------------|------------------------|-----------|-----------------|-------------------------|-----------|-----------|---|--------|
|                                      |  |                 |                 | Ch 23780               | Ch 23790  | Ch 23800        | Ch 23780                | Ch 23790  | Ch 23800  |   |        |
|                                      |  |                 |                 | 709.0 MHz              | 710.0 MHz | 711.0 MHz       | 709.0 MHz               | 710.0 MHz | 711.0 MHz |   |        |
| 10MHz Ch BW<br>50% RB<br>0% offset   | Tuning Target + Tolerance [dBm]  |                 | 22.4            |                        |           | Scaling factor* |                         |           |           |   |        |
|                                      | Conducted Power [dBm]  |                 | 21.9            | 21.9                   | 21.9      | 0.5             | 0.5                     | 0.5       | dB        |   |        |
|                                      | Time-averaged power [dBm]  |                 | 21.9            | 21.9                   | 21.9      | 1.12            | 1.12                    | 1.12      | Lin       |   |        |
|                                      | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                 |                        |           |                 |                         |           |           |   |        |
| 10MHz Ch BW<br>50% RB<br>50% offset  | Tuning Target + Tolerance [dBm]  |                 | 22.4            |                        |           | Scaling factor* |                         |           |           |   |        |
|                                      | Conducted Power [dBm]  |                 | 22.0            | 21.9                   | 21.9      | 0.4             | 0.5                     | 0.5       | dB        |   |        |
|                                      | Time-averaged power [dBm]  |                 | 22.0            | 21.9                   | 21.9      | 1.10            | 1.12                    | 1.12      | Lin       |   |        |
|                                      | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                 |                        |           |                 |                         |           |           |   |        |
| 10MHz Ch BW<br>50% RB<br>100% offset | Tuning Target + Tolerance [dBm]  |                 | 22.4            |                        |           | Scaling factor* |                         |           |           |   |        |
|                                      | Conducted Power [dBm]  |                 | 22.0            | 21.9                   | 21.9      | 0.4             | 0.5                     | 0.5       | dB        |   |        |
|                                      | Time-averaged power [dBm]  |                 | 22.0            | 21.9                   | 21.9      | 1.10            | 1.12                    | 1.12      | Lin       |   |        |
|                                      | Back facing phantom  | Without headset | Estimated SAR   | 0.153                  | -         | -               | 0.168                   | -         | -         | -   | -      |
|                                      |  |                 | Full SAR        | -                      | -         | -               | -                       | -         | -         | -   | -      |
|                                      | Headset WH-108   | Without headset | Estimated SAR   | 0.101                  | -         | -               | 0.111                   | -         | -         | -   | -      |
|                                      |  |                 | Full SAR        | -                      | -         | -               | -                       | -         | -         | -   | -      |
|                                      | Display facing phantom   | Without headset | Estimated SAR   | 0.127                  | -         | -               | 0.139                   | -         | -         | -   | -      |
|                                      |  |                 | Full SAR        | -                      | -         | -               | -                       | -         | -         | -   | -      |
|                                      |  | Headset WH-108  | Without headset | Estimated SAR          | 0.102     | -               | -                       | 0.112     | -         | -   | -      |
| Full SAR                             |  |                 |                 | -                      | -         | -               | -                       | -         | -         | -   | -      |
| 10MHz Ch BW<br>100% RB               | Tuning Target + Tolerance [dBm]  |                 | 22.4            |                        |           | Scaling factor* |                         |           |           |   |        |
|                                      | Conducted Power [dBm]  |                 | 22.0            | 21.9                   | 21.9      | 0.4             | 0.5                     | 0.5       | dB        |   |        |
|                                      | Time-averaged power [dBm]  |                 | 22.0            | 21.9                   | 21.9      | 1.10            | 1.12                    | 1.12      | Lin       |   |        |
|                                      | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                 |                        |           |                 |                         |           |           |   |        |

**LTE700 (Band 17) Body SAR results / Antenna 2**

| Mode                                    | Test configuration   |                 | SAR measurement |       | Measured 1g SAR [W/kg]   |                          |                          | Reported* 1g SAR [W/kg]  |                          |                          | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|---|--|-----------------|-----------------|-------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|--------|
|   |  |                 |                 |       | Ch 23780<br>709.0<br>MHz | Ch 23790<br>710.0<br>MHz | Ch 23800<br>711.0<br>MHz | Ch 23780<br>709.0<br>MHz | Ch 23790<br>710.0<br>MHz | Ch 23800<br>711.0<br>MHz |   |        |
| 10MHz<br>Ch BW<br>1RB<br>0%<br>offset   | Tuning Target + Tolerance [dBm]  |                 | 23.4            |       |                          | Scaling factor*          |                          |                          |                          |                          |   |        |
|   | Conducted Power [dBm]  |                 | 22.6            | 22.6  | 22.6                     | 0.8                      | 0.8                      | 0.8                      | dB                       |                          |   |        |
|   | Time-averaged power [dBm]  |                 | 22.6            | 22.6  | 22.6                     | 1.20                     | 1.20                     | 1.20                     | Lin                      |                          |   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                 |       |                          |                          |                          |                          |                          |                          |   |        |
| 10MHz<br>Ch BW<br>1RB<br>50%<br>offset  | Tuning Target + Tolerance [dBm]  |                 | 23.4            |       |                          | Scaling factor*          |                          |                          |                          |                          |   |        |
|   | Conducted Power [dBm]  |                 | 22.7            | 22.7  | 22.6                     | 0.7                      | 0.7                      | 0.8                      | dB                       |                          |   |        |
|   | Time-averaged power [dBm]  |                 | 22.7            | 22.7  | 22.6                     | 1.17                     | 1.17                     | 1.20                     | Lin                      |                          |   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                 |       |                          |                          |                          |                          |                          |                          |   |        |
| 10MHz<br>Ch BW<br>1RB<br>100%<br>offset | Tuning Target + Tolerance [dBm]  |                 | 23.4            |       |                          | Scaling factor*          |                          |                          |                          |                          |   |        |
|   | Conducted Power [dBm]  |                 | 22.7            | 22.8  | 22.7                     | 0.7                      | 0.6                      | 0.7                      | dB                       |                          |   |        |
|   | Time-averaged power [dBm]  |                 | 22.7            | 22.8  | 22.7                     | 1.17                     | 1.15                     | 1.17                     | Lin                      |                          |   |        |
|   | Back facing phantom  | Without headset | Estimated SAR   | -     | 0.431                    | -                        | -                        | 0.495                    | -                        | 0.00                     | 16  |        |
|   |  |                 | Full SAR        | -     | 0.433                    | -                        | -                        | <b>0.497</b>             | -                        |                          |   |        |
|   | Headset WH-108   | Headset WH-108  | Estimated SAR   | -     | 0.286                    | -                        | -                        | 0.328                    | -                        | -                        | -   |        |
|   |  |                 | Full SAR        | -     | -                        | -                        | -                        | -                        | -                        |                          |   |        |
|   | Display facing phantom   | Without headset | Estimated SAR   | -     | 0.366                    | -                        | -                        | 0.420                    | -                        | -                        | -   |        |
|   |  |                 | Full SAR        | -     | -                        | -                        | -                        | -                        | -                        |                          |   |        |
|   | Headset WH-108   | Headset WH-108  | Estimated SAR   | -     | 0.220                    | -                        | -                        | 0.253                    | -                        | -                        | -   |        |
|   |  |                 | Full SAR        | -     | -                        | -                        | -                        | -                        | -                        |                          |   |        |
|   | CC-3085<br>Back facing phantom<br>without headset  |                 | Estimated SAR   | -     | 0.387                    | -                        | -                        | 0.444                    | -                        | 0.01                     | -   |        |
| Full SAR                                |  |                 | -               | 0.394 | -                        | -                        | 0.452                    | -                        |                          |                          |   |        |

(LTE700 (Band 17) Body SAR / Antenna 2 Table continues)



(LTE700 (Band 17) Body SAR / Antenna 2 Table continues)

| Mode                                       | Test configuration   |                 | SAR measurement |               | Measured 1g SAR [W/kg] |                 |           | Reported* 1g SAR [W/kg] |           |           | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--|--|-----------------|-----------------|---------------|------------------------|-----------------|-----------|-------------------------|-----------|-----------|---|--------|
|  |  |                 |                 |               | Ch 23780               | Ch 23790        | Ch 23800  | Ch 23780                | Ch 23790  | Ch 23800  |   |        |
|  |  |                 |                 |               | 709.0 MHz              | 710.0 MHz       | 711.0 MHz | 709.0 MHz               | 710.0 MHz | 711.0 MHz |   |        |
| 10MHz<br>Ch BW<br>50% RB<br>0%<br>offset   | Tuning Target + Tolerance [dBm]  |                 | 22.4            |               |                        | Scaling factor* |           |                         |           |           |   |        |
|  | Conducted Power [dBm]  |                 | 21.7            | 21.7          | 21.7                   | 0.7             | 0.7       | 0.7                     | dB        |           |   |        |
|  | Time-averaged power [dBm]  |                 | 21.7            | 21.7          | 21.7                   | 1.17            | 1.17      | 1.17                    | Lin       |           |   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                 |               |                        |                 |           |                         |           |           |   |        |
| 10MHz<br>Ch BW<br>50% RB<br>50%<br>offset  | Tuning Target + Tolerance [dBm]  |                 | 22.4            |               |                        | Scaling factor* |           |                         |           |           |   |        |
|  | Conducted Power [dBm]  |                 | 21.8            | 21.7          | 21.7                   | 0.6             | 0.7       | 0.7                     | dB        |           |   |        |
|  | Time-averaged power [dBm]  |                 | 21.8            | 21.7          | 21.7                   | 1.15            | 1.17      | 1.17                    | Lin       |           |   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                 |               |                        |                 |           |                         |           |           |   |        |
| 10MHz<br>Ch BW<br>50% RB<br>100%<br>offset | Tuning Target + Tolerance [dBm]  |                 | 22.4            |               |                        | Scaling factor* |           |                         |           |           |   |        |
|  | Conducted Power [dBm]  |                 | 21.8            | 21.7          | 21.7                   | 0.6             | 0.7       | 0.7                     | dB        |           |   |        |
|  | Time-averaged power [dBm]  |                 | 21.8            | 21.7          | 21.7                   | 1.15            | 1.17      | 1.17                    | Lin       |           |   |        |
|  | Back facing phantom  | Without headset | Estimated SAR   | 0.342         | -                      | -               | 0.393     | -                       | -         | -         | -   |        |
|  |  |                 | Full SAR        | -             | -                      | -               | -         | -                       | -         | -         | -   |        |
|  | Headset WH-108   | Without headset | Estimated SAR   | 0.232         | -                      | -               | 0.266     | -                       | -         | -         | -   |        |
|  |  |                 | Full SAR        | -             | -                      | -               | -         | -                       | -         | -         | -   |        |
|  | Display facing phantom   | Without headset | Estimated SAR   | 0.289         | -                      | -               | 0.332     | -                       | -         | -         | -   |        |
|  |  |                 | Full SAR        | -             | -                      | -               | -         | -                       | -         | -         | -   |        |
|  |  | Headset WH-108  | Without headset | Estimated SAR | 0.180                  | -               | -         | 0.207                   | -         | -         | -   | -      |
| Full SAR                                   |  |                 |                 | -             | -                      | -               | -         | -                       | -         | -         | -   |        |
| 10MHz<br>Ch BW<br>100%<br>RB               | Tuning Target + Tolerance [dBm]  |                 | 22.4            |               |                        | Scaling factor* |           |                         |           |           |   |        |
|  | Conducted Power [dBm]  |                 | 21.8            | 21.7          | 21.7                   | 0.6             | 0.7       | 0.7                     | dB        |           |   |        |
|  | Time-averaged power [dBm]  |                 | 21.8            | 21.7          | 21.7                   | 1.15            | 1.17      | 1.17                    | Lin       |           |   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                 |               |                        |                 |           |                         |           |           |   |        |

**GSM/GPRS/EGPRS/WCDMA850MHz Body SAR results / Antenna 2**

| Mode        | Device orientation                               |                 | SAR measurement | Measured 1g SAR [W/kg] |                     |                     | Reported* 1g SAR [W/kg] |                     |                     | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|-------------|--|-----------------|-----------------|------------------------|---------------------|---------------------|-------------------------|---------------------|---------------------|---|--------|
|             |  |                 |                 | Ch 128<br>824.2 MHz    | Ch 190<br>836.6 MHz | Ch 251<br>848.8 MHz | Ch 128<br>824.2 MHz     | Ch 190<br>836.6 MHz | Ch 251<br>848.8 MHz |   |        |
| 1-slot GPRS | Tuning Target + Tolerance [dBm]                  |                 | 32.6            |                        |                     | Scaling factor*     |                         |                     |                     |   |        |
|             | Conducted Slot Average Power [dBm]               |                 | 31.7            | 31.9                   | 31.9                | 0.9                 | 0.7                     | 0.7                 | dB                  |   |        |
|             | Time-averaged power [dBm]                        |                 | 22.7            | 22.9                   | 22.9                | 1.23                | 1.17                    | 1.17                | Lin                 |   |        |
|             | No testing required for this slot configuration. |                 |                 |                        |                     |                     |                         |                     |                     |   |        |
| 2-slot GPRS | Tuning Target + Tolerance [dBm]                  |                 | 29.7            |                        |                     | Scaling factor*     |                         |                     |                     |   |        |
|             | Conducted Slot Average Power [dBm]               |                 | 29.2            | 29.4                   | 29.4                | 0.5                 | 0.3                     | 0.3                 | dB                  |   |        |
|             | Time-averaged power [dBm]                        |                 | 23.2            | 23.4                   | 23.4                | 1.12                | 1.07                    | 1.07                | Lin                 |   |        |
|             | Back facing phantom                              | Without headset | Estimated SAR   | 0.467                  | 0.426               | 0.411               | 0.524                   | 0.456               | 0.440               | 0.01  | -      |
|             |  |                 | Full SAR        | 0.480                  | -                   | -                   | 0.539                   | -                   | -                   |   |        |
|             |  | Headset WH-108  | Estimated SAR   | -                      | 0.230               | -                   | -                       | 0.246               | -                   | -   | -      |
|             |  |                 | Full SAR        | -                      | -                   | -                   | -                       | -                   | -                   |   |        |
|             | Display facing phantom                           | Without headset | Estimated SAR   | -                      | 0.393               | -                   | -                       | 0.421               | -                   | -   | -      |
|             |  |                 | Full SAR        | -                      | -                   | -                   | -                       | -                   | -                   |   |        |
|             |  | Headset WH-108  | Estimated SAR   | -                      | 0.204               | -                   | -                       | 0.219               | -                   | -   | -      |
|             |  |                 | Full SAR        | -                      | -                   | -                   | -                       | -                   | -                   |   |        |
|             | CC-3085 Back facing phantom Without headset      |                 | Estimated SAR   | 0.520                  | 0.469               | 0.446               | 0.583                   | 0.503               | 0.478               | 0.01  | 17     |
|             |  | Full SAR        | 0.528           | -                      | -                   | 0.592               | -                       | -                   |                     |   |        |
| 3-slot GPRS | Tuning Target + Tolerance [dBm]                  |                 | 27.9            |                        |                     | Scaling factor*     |                         |                     |                     |   |        |
|             | Conducted Slot Average Power [dBm]               |                 | 27.1            | 27.4                   | 27.4                | 0.8                 | 0.5                     | 0.5                 | dB                  |   |        |
|             | Time-averaged power [dBm]                        |                 | 22.8            | 23.1                   | 23.1                | 1.20                | 1.12                    | 1.12                | Lin                 |   |        |
|             | No testing required for this slot configuration. |                 |                 |                        |                     |                     |                         |                     |                     |   |        |
| 4-slot GPRS | Tuning Target + Tolerance [dBm]                  |                 | 26.7            |                        |                     | Scaling factor*     |                         |                     |                     |   |        |
|             | Conducted Slot Average Power [dBm]               |                 | 25.8            | 26.0                   | 25.9                | 0.9                 | 0.7                     | 0.8                 | dB                  |   |        |
|             | Time-averaged power [dBm]                        |                 | 22.8            | 23.0                   | 22.9                | 1.23                | 1.17                    | 1.20                | Lin                 |   |        |
|             | No testing required for this slot configuration. |                 |                 |                        |                     |                     |                         |                     |                     |   |        |

(GSM/GPRS/EGPRS/WCDMA850 Body SAR / Antenna 2 Table continues)

(GSM/GPRS/EGPRS/WCDMA850 Body SAR / Antenna 2 Table continues)

| Mode  | Device orientation                          |                 | SAR measurement | Measured 1g SAR [W/kg]  |                         |                         | Reported* 1g SAR [W/kg] |                         |                         | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |    |
|-------|---|-----------------|-----------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|---|--------|----|
|       |   |                 |                 | Ch 4132<br>826.4<br>MHz | Ch 4175<br>835.0<br>MHz | Ch 4233<br>846.6<br>MHz | Ch 4132<br>826.4<br>MHz | Ch 4175<br>835.0<br>MHz | Ch 4233<br>846.6<br>MHz |   |        |    |
| WCDMA | Tuning Target + Tolerance [dBm]             |                 |                 | 23.9                    |                         |                         | Scaling factor*         |                         |                         |   |        |    |
|       | Conducted Slot Average Power [dBm]          |                 |                 | 23.1                    | 23.1                    | 23.2                    | 0.8                     | 0.8                     | 0.7                     | dB  |        |    |
|       | Time-averaged power [dBm]                   |                 |                 | 23.1                    | 23.1                    | 23.2                    | 1.20                    | 1.20                    | 1.17                    | Lin   |        |    |
|       | Back facing phantom                         | Without headset | Estimated SAR   | 0.547                   | 0.542                   | 0.514                   | 0.658                   | 0.652                   | 0.604                   | 0.02  | -      |    |
|       |   |                 | Full SAR        | 0.564                   | -                       | -                       | 0.678                   | -                       | -                       |   |        |    |
|       |   | Headset WH-108  | Estimated SAR   | -                       | 0.438                   | -                       | -                       | 0.527                   | -                       | -   | -      | -  |
|       |   |                 | Full SAR        | -                       | -                       | -                       | -                       | -                       | -                       |   |        |    |
|       | Display facing phantom                      | Without headset | Estimated SAR   | -                       | 0.524                   | -                       | -                       | 0.630                   | -                       | -   | -      |    |
|       |   |                 | Full SAR        | -                       | -                       | -                       | -                       | -                       | -                       |   |        |    |
|       |   | Headset WH-108  | Estimated SAR   | -                       | 0.413                   | -                       | -                       | 0.497                   | -                       | -   | -      |    |
|       |   |                 | Full SAR        | -                       | -                       | -                       | -                       | -                       | -                       |   |        |    |
|       | CC-3085 Back facing phantom Without headset |                 |                 | Estimated SAR           | 0.582                   | 0.579                   | 0.555                   | 0.700                   | 0.696                   | 0.652   | 0.01   | 18 |
|       |   |                 | Full SAR        | 0.589                   | -                       | -                       | 0.708                   | -                       | -                       |   |        |    |

WCDMA850 (Band 5) Body SAR results / Antenna 1

| Mode  | Device orientation                          |                 | SAR measurement | Measured 1g SAR [W/kg]  |                         |                         | Reported* 1g SAR [W/kg] |                         |                         | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |   |
|-------|---|-----------------|-----------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|---|--------|---|
|       |   |                 |                 | Ch 4132<br>826.4<br>MHz | Ch 4175<br>835.0<br>MHz | Ch 4233<br>846.6<br>MHz | Ch 4132<br>826.4<br>MHz | Ch 4175<br>835.0<br>MHz | Ch 4233<br>846.6<br>MHz |   |        |   |
| WCDMA | Tuning Target + Tolerance [dBm]             |                 |                 | 23.9                    |                         |                         | Scaling factor*         |                         |                         |   |        |   |
|       | Conducted Slot Average Power [dBm]          |                 |                 | 23.3                    | 23.3                    | 23.4                    | 0.6                     | 0.6                     | 0.5                     | dB  |        |   |
|       | Time-averaged power [dBm]                   |                 |                 | 23.3                    | 23.3                    | 23.4                    | 1.15                    | 1.15                    | 1.12                    | Lin   |        |   |
|       | Back facing phantom                         | Without headset | Estimated SAR   | 0.133                   | 0.180                   | 0.185                   | 0.153                   | 0.207                   | 0.208                   | 0.00  | -      |   |
|       |   |                 | Full SAR        | -                       | -                       | 0.185                   | -                       | -                       | 0.208                   |   |        |   |
|       |   | Headset WH-108  | Estimated SAR   | -                       | 0.137                   | -                       | -                       | 0.157                   | -                       | -   | -      | - |
|       |   |                 | Full SAR        | -                       | -                       | -                       | -                       | -                       | -                       |   |        |   |
|       | Display facing phantom                      | Without headset | Estimated SAR   | -                       | 0.165                   | -                       | -                       | 0.189                   | -                       | -   | -      |   |
|       |   |                 | Full SAR        | -                       | -                       | -                       | -                       | -                       | -                       |   |        |   |
|       |   | Headset WH-108  | Estimated SAR   | -                       | 0.158                   | -                       | -                       | 0.181                   | -                       | -   | -      |   |
|       |   |                 | Full SAR        | -                       | -                       | -                       | -                       | -                       | -                       |   |        |   |
|       | CC-3085 Back facing phantom Without headset |                 |                 | Estimated SAR           | 0.144                   | 0.134                   | 0.156                   | 0.165                   | 0.154                   | 0.175   | 0.00   | - |
|       |   |                 | Full SAR        | -                       | -                       | 0.154                   | -                       | -                       | 0.173                   |   |        |   |

**LTE850 (Band 5) Body SAR results / Antenna 1**

| Mode                                    | Test configuration                          |                 | SAR measurement   | Measured 1g SAR [W/kg] |           |                 | Reported* 1g SAR [W/kg] |           |           | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|---|---|-----------------|---|------------------------|-----------|-----------------|-------------------------|-----------|-----------|---|--------|
|   |   |                 |   | Ch 20450               | Ch 20525  | Ch 20600        | Ch 20450                | Ch 20525  | Ch 20600  |   |        |
|   |   |                 |   | 829.0 MHz              | 836.5 MHz | 844.0 MHz       | 829.0 MHz               | 836.5 MHz | 844.0 MHz |   |        |
| 10MHz<br>Ch BW<br>1RB<br>0%<br>offset   | Tuning Target + Tolerance [dBm]             |                 | 23.4  |                        |           | Scaling factor* |                         |           |           |   |        |
|   | Conducted Power [dBm]                       |                 | 22.9  | 22.9                   | 22.9      | 0.5             | 0.5                     | 0.5       | dB        |   |        |
|   | Time-averaged power [dBm]                   |                 | 22.9  | 22.9                   | 22.9      | 1.12            | 1.12                    | 1.12      | Lin       |   |        |
|   | Back facing phantom                         | Without headset | Estimated SAR   | -                      | 0.344     | -               | -                       | 0.386     | -         | 0.00  | -      |
|   |   |                 | Full SAR  | -                      | 0.348     | -               | -                       | 0.390     | -         |   |        |
|   |   | Headset WH-108  | Estimated SAR   | -                      | 0.221     | -               | -                       | 0.248     | -         | -   | -      |
|   |   |                 | Full SAR  | -                      | -         | -               | -                       | -         | -         |   |        |
|   | Display facing phantom                      | Without headset | Estimated SAR   | -                      | 0.309     | -               | -                       | 0.347     | -         | -   | -      |
|   |   |                 | Full SAR  | -                      | -         | -               | -                       | -         | -         |   |        |
|   |   | Headset WH-108  | Estimated SAR   | -                      | 0.183     | -               | -                       | 0.205     | -         | -   | -      |
|   |   |                 | Full SAR  | -                      | -         | -               | -                       | -         | -         |   |        |
|   | CC-3085 Back facing phantom Without headset |                 | Estimated SAR   | -                      | 0.321     | -               | -                       | 0.360     | -         | 0.01  | -      |
|   |   | Full SAR        | -   | 0.329                  | -         | -               | 0.369                   | -         |           |   |        |
| 10MHz<br>Ch BW<br>1RB<br>50%<br>offset  | Tuning Target + Tolerance [dBm]             |                 | 23.4  |                        |           | Scaling factor* |                         |           |           |   |        |
|   | Conducted Power [dBm]                       |                 | 22.9  | 22.9                   | 22.9      | 0.5             | 0.5                     | 0.5       | dB        |   |        |
|   | Time-averaged power [dBm]                   |                 | 22.9  | 22.9                   | 22.9      | 1.12            | 1.12                    | 1.12      | Lin       |   |        |
|   |   |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941.225 D05 SAR for LTE Devices v02r02 |                        |           |                 |                         |           |           |   |        |
| 10MHz<br>Ch BW<br>1RB<br>100%<br>offset | Tuning Target + Tolerance [dBm]             |                 | 23.4  |                        |           | Scaling factor* |                         |           |           |   |        |
|   | Conducted Power [dBm]                       |                 | 22.9  | 22.9                   | 22.8      | 0.5             | 0.5                     | 0.5       | dB        |   |        |
|   | Time-averaged power [dBm]                   |                 | 22.9  | 22.9                   | 22.8      | 1.12            | 1.12                    | 1.15      | Lin       |   |        |
|   |   |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941.225 D05 SAR for LTE Devices v02r02 |                        |           |                 |                         |           |           |   |        |

(LTE850 (Band 5) Body SAR / Antenna 1 Table continues)

(LTE850 (Band 5) Body SAR / Antenna 1 Table continues)

| Mode                                       | Test configuration              |                 | SAR measurement | Measured 1g SAR [W/kg]   |                       |                       | Reported* 1g SAR [W/kg] |                       |                       | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--|---------------------------------|-----------------|-----------------|--|-----------------------|-----------------------|-------------------------|-----------------------|-----------------------|---|--------|
|  |                                 |                 |                 | Ch 20450<br>829.0 MHz  | Ch 20525<br>836.5 MHz | Ch 20600<br>844.0 MHz | Ch 20450<br>829.0 MHz   | Ch 20525<br>836.5 MHz | Ch 20600<br>844.0 MHz |   |        |
| 10MHz<br>Ch BW<br>50% RB<br>0%<br>offset   | Tuning Target + Tolerance [dBm] |                 |                 | 22.4   |                       |                       | Scaling factor*         |                       |                       |   |        |
|  | Conducted Power [dBm]           |                 |                 | 22.0   | 21.9                  | 21.9                  | 0.4                     | 0.5                   | 0.5                   | dB  |        |
|  | Time-averaged power [dBm]       |                 |                 | 22.0   | 21.9                  | 21.9                  | 1.10                    | 1.12                  | 1.12                  | Lin   |        |
|  | Back facing phantom             | Without headset | Estimated SAR   | 0.265  | -                     | -                     | 0.291                   | -                     | -                     | -   | -      |
|  |                                 |                 | Full SAR        | -  | -                     | -                     | -                       | -                     | -                     | -   | -      |
|  | Headset WH-108                  | Without headset | Estimated SAR   | 0.189  | -                     | -                     | 0.207                   | -                     | -                     | -   | -      |
|  |                                 |                 | Full SAR        | -  | -                     | -                     | -                       | -                     | -                     | -   | -      |
|  | Display facing phantom          | Without headset | Estimated SAR   | 0.249  | -                     | -                     | 0.273                   | -                     | -                     | -   | -      |
|  |                                 |                 | Full SAR        | -  | -                     | -                     | -                       | -                     | -                     | -   | -      |
|  | Headset Wh-108                  | Without headset | Estimated SAR   | 0.149  | -                     | -                     | 0.163                   | -                     | -                     | -   | -      |
| Full SAR                                   |                                 |                 | -               | -  | -                     | -                     | -                       | -                     | -                     | -   |        |
| 10MHz<br>Ch BW<br>50% RB<br>50%<br>offset  | Tuning Target + Tolerance [dBm] |                 |                 | 22.4   |                       |                       | Scaling factor*         |                       |                       |   |        |
|  | Conducted Power [dBm]           |                 |                 | 22.0   | 21.9                  | 21.9                  | 0.4                     | 0.5                   | 0.5                   | dB  |        |
|  | Time-averaged power [dBm]       |                 |                 | 22.0   | 21.9                  | 21.9                  | 1.10                    | 1.12                  | 1.12                  | Lin   |        |
|  |                                 |                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                       |                       |                         |                       |                       |   |        |
| 10MHz<br>Ch BW<br>50% RB<br>100%<br>offset | Tuning Target + Tolerance [dBm] |                 |                 | 22.4   |                       |                       | Scaling factor*         |                       |                       |   |        |
|  | Conducted Power [dBm]           |                 |                 | 22.0   | 21.9                  | 21.9                  | 0.4                     | 0.5                   | 0.5                   | dB  |        |
|  | Time-averaged power [dBm]       |                 |                 | 22.0   | 21.9                  | 21.9                  | 1.10                    | 1.12                  | 1.12                  | Lin   |        |
|  |                                 |                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                       |                       |                         |                       |                       |   |        |
| 10MHz<br>Ch BW<br>100%<br>RB               | Tuning Target + Tolerance [dBm] |                 |                 | 22.4   |                       |                       | Scaling factor*         |                       |                       |   |        |
|  | Conducted Power [dBm]           |                 |                 | 22.0   | 22.0                  | 22.0                  | 0.4                     | 0.4                   | 0.4                   | dB  |        |
|  | Time-averaged power [dBm]       |                 |                 | 22.0   | 22.0                  | 22.0                  | 1.10                    | 1.10                  | 1.10                  | Lin   |        |
|  |                                 |                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                       |                       |                         |                       |                       |   |        |

**LTE850 (Band 5) Body SAR results / Antenna 2**

| Mode   | Test configuration   |                                 | SAR measurement | Measured 1g SAR [W/kg] |           |                 | Reported* 1g SAR [W/kg] |           |           | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--|--|---------------------------------|-----------------|------------------------|-----------|-----------------|-------------------------|-----------|-----------|---|--------|
|  |  |                                 |                 | Ch 20450               | Ch 20525  | Ch 20600        | Ch 20450                | Ch 20525  | Ch 20600  |   |        |
|  |  |                                 |                 | 829.0 MHz              | 836.5 MHz | 844.0 MHz       | 829.0 MHz               | 836.5 MHz | 844.0 MHz |   |        |
| 10MHz<br>Ch BW<br>1RB<br>0%<br>offset  | Tuning Target + Tolerance [dBm]  |                                 | 23.4            |                        |           | Scaling factor* |                         |           |           |   |        |
|  | Conducted Power [dBm]  |                                 | 22.7            | 22.7                   | 22.7      | 0.5             | 0.5                     | 0.5       | dB        |   |        |
|  | Time-averaged power [dBm]  |                                 | 22.7            | 22.7                   | 22.7      | 1.17            | 1.17                    | 1.17      | Lin       |   |        |
|  | Back facing phantom  | Without headset                 | Estimated SAR   | -                      | 0.275     | -               | -                       | 0.323     | -         | 0.01  | -      |
|  |  |                                 | Full SAR        | -                      | 0.284     | -               | -                       | 0.334     | -         |   |        |
|  |  | Headset WH-108                  | Estimated SAR   | -                      | 0.184     | -               | -                       | 0.216     | -         | -   | -      |
|  |  |                                 | Full SAR        | -                      | -         | -               | -                       | -         | -         |   |        |
|  | Display facing phantom   | Without headset                 | Estimated SAR   | -                      | 0.265     | -               | -                       | 0.311     | -         | -   | -      |
|  |  |                                 | Full SAR        | -                      | -         | -               | -                       | -         | -         |   |        |
|  |  | Headset WH-108                  | Estimated SAR   | -                      | 0.215     | -               | -                       | 0.253     | -         | -   | -      |
|  |  |                                 | Full SAR        | -                      | -         | -               | -                       | -         | -         |   |        |
|  | CC-3085<br>Back facing phantom<br>Without headset  |                                 | Estimated SAR   | -                      | 0.339     | -               | -                       | 0.398     | -         | 0.01  | 19     |
|  |  |                                 | Full SAR        | -                      | 0.345     | -               | -                       | 0.405     | -         |   |        |
|  | 10MHz<br>Ch BW<br>1RB<br>50%<br>offset   | Tuning Target + Tolerance [dBm] |                 | 23.4                   |           |                 | Scaling factor*         |           |           |   |        |
| Conducted Power [dBm]  |  | 22.7                            | 22.7            | 22.7                   | 0.7       | 0.7             | 0.7                     | dB        |           |   |        |
| Time-averaged power [dBm]  |  | 22.7                            | 22.7            | 22.7                   | 1.17      | 1.17            | 1.17                    | Lin       |           |   |        |
| No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |  |                                 |                 |                        |           |                 |                         |           |           |   |        |
| 10MHz<br>Ch BW<br>1RB<br>100%<br>offset  | Tuning Target + Tolerance [dBm]  |                                 | 23.4            |                        |           | Scaling factor* |                         |           |           |   |        |
|  | Conducted Power [dBm]  |                                 | 22.7            | 22.7                   | 22.6      | 0.7             | 0.7                     | 0.8       | dB        |   |        |
|  | Time-averaged power [dBm]  |                                 | 22.7            | 22.7                   | 22.6      | 1.17            | 1.17                    | 1.20      | Lin       |   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                                 |                 |                        |           |                 |                         |           |           |   |        |

(LTE850 (Band 5) Body SAR / Antenna 1 Table continues)

(LTE850 (Band 5) Body SAR / Antenna 1 Table continues)

| Mode                           | Test configuration              |                 | SAR measurement | Measured 1g SAR [W/kg]   |          |          | Reported* 1g SAR [W/kg] |          |          | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--------------------------------|---------------------------------|-----------------|-----------------|--|----------|----------|-------------------------|----------|----------|---|--------|
|                                |                                 |                 |                 | Ch 20450   | Ch 20525 | Ch 20600 | Ch 20450                | Ch 20525 | Ch 20600 |   |        |
| 10MHz Ch BW 50% RB 0% offset   | Tuning Target + Tolerance [dBm] |                 |                 | 22.4   |          |          | Scaling factor*         |          |          |   |        |
|                                | Conducted Power [dBm]           |                 |                 | 21.8   | 21.7     | 21.7     | 0.6                     | 0.7      | 0.7      | dB  |        |
|                                | Time-averaged power [dBm]       |                 |                 | 21.8   | 21.7     | 21.7     | 1.15                    | 1.17     | 1.17     | Lin   |        |
|                                | Back facing phantom             | Without headset | Estimated SAR   | 0.259  | -        | -        | 0.297                   | -        | -        | -   | -      |
|                                |                                 |                 | Full SAR        | -  | -        | -        | -                       | -        | -        | -   | -      |
|                                | Headset WH-108                  | Without headset | Estimated SAR   | 0.176  | -        | -        | 0.202                   | -        | -        | -   | -      |
|                                |                                 |                 | Full SAR        | -  | -        | -        | -                       | -        | -        | -   | -      |
|                                | Display facing phantom          | Without headset | Estimated SAR   | 0.246  | -        | -        | 0.282                   | -        | -        | -   | -      |
|                                |                                 |                 | Full SAR        | -  | -        | -        | -                       | -        | -        | -   | -      |
|                                | Headset Wh-108                  | Without headset | Estimated SAR   | 0.178  | -        | -        | 0.204                   | -        | -        | -   | -      |
| Full SAR                       |                                 |                 | -               | -  | -        | -        | -                       | -        | -        | -   |        |
| 10MHz Ch BW 50% RB 50% offset  | Tuning Target + Tolerance [dBm] |                 |                 | 22.4   |          |          | Scaling factor*         |          |          |   |        |
|                                | Conducted Power [dBm]           |                 |                 | 21.8   | 21.7     | 21.7     | 0.6                     | 0.7      | 0.7      | dB  |        |
|                                | Time-averaged power [dBm]       |                 |                 | 21.8   | 21.7     | 21.7     | 1.15                    | 1.17     | 1.17     | Lin   |        |
|                                |                                 |                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |          |          |                         |          |          |   |        |
| 10MHz Ch BW 50% RB 100% offset | Tuning Target + Tolerance [dBm] |                 |                 | 22.4   |          |          | Scaling factor*         |          |          |   |        |
|                                | Conducted Power [dBm]12         |                 |                 | 21.8   | 21.7     | 21.7     | 0.6                     | 0.7      | 0.7      | dB  |        |
|                                | Time-averaged power [dBm]       |                 |                 | 21.8   | 21.7     | 21.7     | 1.15                    | 1.17     | 1.17     | Lin   |        |
|                                |                                 |                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |          |          |                         |          |          |   |        |
| 10MHz Ch BW 100% RB            | Tuning Target + Tolerance [dBm] |                 |                 | 22.4   |          |          | Scaling factor*         |          |          |   |        |
|                                | Conducted Power [dBm]           |                 |                 | 21.8   | 21.8     | 21.8     | 0.6                     | 0.6      | 0.6      | dB  |        |
|                                | Time-averaged power [dBm]       |                 |                 | 21.8   | 21.8     | 21.8     | 1.15                    | 1.15     | 1.15     | Lin   |        |
|                                |                                 |                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |          |          |                         |          |          |   |        |

**WCDMA1700/2100 (Band4) Body SAR results / Antenna 1**

| Mode  | Device orientation                          |                 | SAR measurement | Measured 1g SAR [W/kg]   |                          |                          | Reported* 1g SAR [W/kg]  |                          |                          | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|-------|---|-----------------|-----------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|--------|
|       |   |                 |                 | Ch 1312<br>1712.4<br>MHz | Ch 1412<br>1732.4<br>MHz | Ch 1513<br>1752.6<br>MHz | Ch 1312<br>1712.4<br>MHz | Ch 1412<br>1732.4<br>MHz | Ch 1513<br>1752.6<br>MHz |   |        |
| WCDMA | Tuning Target + Tolerance [dBm]             |                 |                 | 23.9                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|       | Conducted Power [dBm]                       |                 |                 | 23.4                     | 23.6                     | 23.6                     | 0.5                      | 0.3                      | 0.3                      | dB  |        |
|       | Time-averaged power [dBm]                   |                 |                 | 23.4                     | 23.6                     | 23.6                     | 1.12                     | 1.07                     | 1.07                     | Lin   |        |
|       | Back facing phantom                         | Without headset | Estimated SAR   | 0.702                    | 0.657                    | 0.649                    | 0.788                    | 0.704                    | 0.695                    | 0.01  | 20     |
|       |   |                 | Full SAR        | 0.692                    | -                        | -                        | <b>0.776</b>             | -                        | -                        |   |        |
|       |   | Headset WH-108  | Estimated SAR   | -                        | 0.479                    | -                        | -                        | 0.513                    | -                        | -   | -      |
|       |   |                 | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
|       | Display facing phantom                      | Without headset | Estimated SAR   | -                        | 0.649                    | -                        | -                        | 0.695                    | -                        | -   | -      |
|       |   |                 | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
|       |   | Headset WH-108  | Estimated SAR   | -                        | 0.531                    | -                        | -                        | 0.569                    | -                        | -   | -      |
|       |   |                 | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
|       | CC-3085 Back facing phantom Without headset |                 | Estimated SAR   | 0.661                    | 0.625                    | 0.625                    | 0.742                    | 0.670                    | 0.670                    | 0.01  | -      |
|       |   |                 | Full SAR        | 0.653                    | -                        | -                        | 0.733                    | -                        | -                        |   |        |



**WCDMA1700/2100 (Band4) Body SAR results / Antenna 2**

| Mode  | Device orientation                          | SAR measurement | Measured 1g SAR [W/kg]   |                          |                          | Reported* 1g SAR [W/kg]  |                          |                          | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |   |
|-------|---|-----------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|--------|---|
|       |   |                 | Ch 1312<br>1712.4<br>MHz | Ch 1412<br>1732.4<br>MHz | Ch 1513<br>1752.6<br>MHz | Ch 1312<br>1712.4<br>MHz | Ch 1412<br>1732.4<br>MHz | Ch 1513<br>1752.6<br>MHz |   |        |   |
| WCDMA | Tuning Target + Tolerance [dBm]             |                 | 23.9                     |                          |                          | Scaling factor*          |                          |                          |   |        |   |
|       | Conducted Power [dBm]                       |                 | 22.9                     | 23.1                     | 23.1                     | 1.0                      | 0.8                      | 0.8                      | dB  |        |   |
|       | Time-averaged power [dBm]                   |                 | 22.9                     | 23.1                     | 23.1                     | 1.26                     | 1.20                     | 1.20                     | Lin   |        |   |
|       | Back facing phantom                         | Without headset | Estimated SAR            | 0.603                    | 0.563                    | 0.512                    | 0.759                    | 0.677                    | 0.616   | 0.02   | - |
|       |   |                 | Full SAR                 | 0.588                    | -                        | -                        | 0.740                    | -                        | -   |        |   |
|       |   | Headset WH-108  | Estimated SAR            | -                        | 0.487                    | -                        | -                        | 0.586                    | -   | -      | - |
|       |   |                 | Full SAR                 | -                        | -                        | -                        | -                        | -                        | -   |        |   |
|       | Display facing phantom                      | Without headset | Estimated SAR            | -                        | 0.493                    | -                        | -                        | 0.593                    | -   | -      | - |
|       |   |                 | Full SAR                 | -                        | -                        | -                        | -                        | -                        | -   |        |   |
|       |   | Headset WH-108  | Estimated SAR            | -                        | 0.392                    | -                        | -                        | 0.471                    | -   | -      | - |
|       |   |                 | Full SAR                 | -                        | -                        | -                        | -                        | -                        | -   |        |   |
|       | CC-3085 Back facing phantom Without headset |                 | Estimated SAR            | 0.603                    | 0.575                    | 0.503                    | 0.759                    | 0.691                    | 0.605   | 0.01   | - |
|       |   |                 | Full SAR                 | 0.598                    | -                        | -                        | 0.753                    | -                        | -   |        |   |

**LTE1700/2100 (Band 4) Body SAR results / Antenna 1**

| Mode   | Test configuration   | SAR measurement | Measured 1g SAR [W/kg]    |                           |                           | Reported* 1g SAR [W/kg]   |                           |                           | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |    |
|--|--|-----------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---|--------|----|
|  |  |                 | Ch 20050<br>1720.0<br>MHz | Ch 23175<br>1732.5<br>MHz | Ch 20300<br>1745.0<br>MHz | Ch 20050<br>1720.0<br>MHz | Ch 23175<br>1732.5<br>MHz | Ch 20300<br>1745.0<br>MHz |   |        |    |
| 20MHz<br>Ch BW<br>1RB<br>0%<br>offset                | Tuning Target + Tolerance [dBm]  |                 | 23.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |    |
|  | Conducted Power [dBm]  |                 | 23.1                      | 23.0                      | 23.1                      | 0.3                       | 0.4                       | 0.3                       | dB  |        |    |
|  | Time-averaged power [dBm]  |                 | 23.1                      | 23.0                      | 23.1                      | 1.07                      | 1.10                      | 1.07                      | Lin   |        |    |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |    |
| 20MHz<br>Ch BW<br>1RB<br>50%<br>offset               | Tuning Target + Tolerance [dBm]  |                 | 23.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |    |
|  | Conducted Power [dBm]  |                 | 23.0                      | 23.1                      | 23.0                      | 0.4                       | 0.3                       | 0.4                       | dB  |        |    |
|  | Time-averaged power [dBm]  |                 | 23.0                      | 23.1                      | 23.0                      | 1.10                      | 1.07                      | 1.10                      | Lin   |        |    |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |    |
| 20MHz<br>Ch BW<br>1RB<br>100%<br>offset              | Tuning Target + Tolerance [dBm]  |                 | 23.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |    |
|  | Conducted Power [dBm]  |                 | 23.1                      | 23.1                      | 23.1                      | 0.3                       | 0.3                       | 0.3                       | dB  |        |    |
|  | Time-averaged power [dBm]  |                 | 23.1                      | 23.1                      | 23.1                      | 1.07                      | 1.07                      | 1.07                      | Lin   |        |    |
|  | Back facing phantom  | Without headset | Estimated SAR             | -                         | 0.540                     | -                         | -                         | 0.579                     | -   | -      | -  |
|  |  |                 | Full SAR                  | -                         | -                         | -                         | -                         | -                         | -   | -      | -  |
|  | Headset WH-108   | Headset WH-108  | Estimated SAR             | -                         | 0.419                     | -                         | -                         | 0.449                     | -   | -      | -  |
|  |  |                 | Full SAR                  | -                         | -                         | -                         | -                         | -                         | -   | -      | -  |
|  | Display facing phantom   | Without headset | Estimated SAR             | -                         | 0.572                     | -                         | -                         | 0.613                     | -   | 0.02   | 21 |
|  |  |                 | Full SAR                  | -                         | 0.594                     | -                         | -                         | <b>0.636</b>              | -   | -      | -  |
|  | Headset WH-108   | Headset WH-108  | Estimated SAR             | -                         | 0.493                     | -                         | -                         | 0.528                     | -   | -      | -  |
| Full SAR   |  |                 | -                         | -                         | -                         | -                         | -                         | -                         | -   | -      |    |
| CC-3085<br>Display facing phantom<br>Without headset |  | Estimated SAR   | -                         | 0.560                     | -                         | -                         | 0.600                     | -                         | 0.01  | -      |    |
|  |  | Full SAR        | -                         | 0.572                     | -                         | -                         | 0.613                     | -                         | -   | -      |    |

(LTE1700 (Band 4) Body SAR / Antenna 1 Table continues)

(LTE1700 (Band 4) Body SAR / Antenna 1 Table continues)

| Mode                                    | Test configuration              |                 | SAR measurement | Measured 1g SAR [W/kg]   |                        |                        | Reported* 1g SAR [W/kg] |                        |                        | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|---|---------------------------------|-----------------|-----------------|--|------------------------|------------------------|-------------------------|------------------------|------------------------|---|--------|
|   |                                 |                 |                 | Ch 20050<br>1720.0 MHz   | Ch 23175<br>1732.5 MHz | Ch 20300<br>1745.0 MHz | Ch 20050<br>1720.0 MHz  | Ch 23175<br>1732.5 MHz | Ch 20300<br>1745.0 MHz |   |        |
| 20MHz<br>Ch BW<br>50% RB<br>0% offset   | Tuning Target + Tolerance [dBm] |                 |                 | 22.4   |                        |                        | Scaling factor*         |                        |                        |   |        |
|   | Conducted Power [dBm]           |                 |                 | 22.2   | 22.2                   | 22.3                   | 0.2                     | 0.2                    | 0.1                    | dB  |        |
|   | Time-averaged power [dBm]       |                 |                 | 22.2   | 22.2                   | 22.3                   | 1.05                    | 1.05                   | 1.02                   | Lin   |        |
|   | Back facing phantom             | Without headset | Estimated SAR   | -  | -                      | 0.442                  | -                       | -                      | 0.452                  | -   | -      |
|   |                                 |                 | Full SAR        | -  | -                      | -                      | -                       | -                      | -                      | -   | -      |
|   |                                 | Headset WH-108  | Estimated SAR   | -  | -                      | 0.338                  | -                       | -                      | 0.346                  | -   | -      |
|   |                                 |                 | Full SAR        | -  | -                      | -                      | -                       | -                      | -                      | -   | -      |
|   | Display facing phantom          | Without headset | Estimated SAR   | -  | -                      | 0.484                  | -                       | -                      | 0.495                  | -   | -      |
|   |                                 |                 | Full SAR        | -  | -                      | -                      | -                       | -                      | -                      | -   | -      |
|   |                                 | Headset WH-108  | Estimated SAR   | -  | -                      | 0.397                  | -                       | -                      | 0.406                  | -   | -      |
| Full SAR                                |                                 |                 | -               | -  | -                      | -                      | -                       | -                      | -                      | -   |        |
| 20MHz<br>Ch BW<br>50% RB<br>50% offset  | Tuning Target + Tolerance [dBm] |                 |                 | 22.4   |                        |                        | Scaling factor*         |                        |                        |   |        |
|   | Conducted Power [dBm]           |                 |                 | 22.1   | 22.2                   | 22.1                   | 0.3                     | 0.2                    | 0.3                    | dB  |        |
|   | Time-averaged power [dBm]       |                 |                 | 22.1   | 22.2                   | 22.1                   | 1.07                    | 1.05                   | 1.07                   | Lin   |        |
|   |                                 |                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                        |                        |                         |                        |                        |   |        |
| 20MHz<br>Ch BW<br>50% RB<br>100% offset | Tuning Target + Tolerance [dBm] |                 |                 | 22.4   |                        |                        | Scaling factor*         |                        |                        |   |        |
|   | Conducted Power [dBm]           |                 |                 | 22.2   | 22.2                   | 22.2                   | 0.2                     | 0.2                    | 0.2                    | dB  |        |
|   | Time-averaged power [dBm]       |                 |                 | 22.2   | 22.2                   | 22.2                   | 1.05                    | 1.05                   | 1.05                   | Lin   |        |
|   |                                 |                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                        |                        |                         |                        |                        |   |        |
| 20MHz<br>Ch BW<br>100% RB               | Tuning Target + Tolerance [dBm] |                 |                 | 22.4   |                        |                        | Scaling factor*         |                        |                        |   |        |
|   | Conducted Power [dBm]           |                 |                 | 22.2   | 22.2                   | 22.2                   | 0.2                     | 0.2                    | 0.2                    | dB  |        |
|   | Time-averaged power [dBm]       |                 |                 | 22.2   | 22.2                   | 22.2                   | 1.05                    | 1.05                   | 1.05                   | Lin   |        |
|   |                                 |                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                        |                        |                         |                        |                        |   |        |

**LTE1700/2100 (Band 4) Body SAR results / Antenna 2**

| Mode   | Test configuration   | SAR measurement | Measured 1g SAR [W/kg]    |                           |                           | Reported* 1g SAR [W/kg]   |                           |                           | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |   |
|--|--|-----------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---|--------|---|
|  |  |                 | Ch 20050<br>1720.0<br>MHz | Ch 23175<br>1732.5<br>MHz | Ch 20300<br>1745.0<br>MHz | Ch 20050<br>1720.0<br>MHz | Ch 23175<br>1732.5<br>MHz | Ch 20300<br>1745.0<br>MHz |   |        |   |
| 20MHz<br>Ch BW<br>1RB<br>0%<br>offset          | Tuning Target + Tolerance [dBm]  |                 | 23.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |   |
|  | Conducted Power [dBm]  |                 | 22.6                      | 22.5                      | 22.6                      | 0.8                       | 0.9                       | 0.8                       | dB  |        |   |
|  | Time-averaged power [dBm]  |                 | 22.6                      | 22.5                      | 22.6                      | 1.20                      | 1.23                      | 1.20                      | Lin   |        |   |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |   |
| 20MHz<br>Ch BW<br>1RB<br>50%<br>offset         | Tuning Target + Tolerance [dBm]  |                 | 23.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |   |
|  | Conducted Power [dBm]  |                 | 22.5                      | 22.6                      | 22.5                      | 0.9                       | 0.8                       | 0.9                       | dB  |        |   |
|  | Time-averaged power [dBm]  |                 | 22.5                      | 22.6                      | 22.5                      | 1.23                      | 1.20                      | 1.23                      | Lin   |        |   |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |   |
| 20MHz<br>Ch BW<br>1RB<br>100%<br>offset        | Tuning Target + Tolerance [dBm]  |                 | 23.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |   |
|  | Conducted Power [dBm]  |                 | 22.6                      | 22.6                      | 22.6                      | 0.8                       | 0.8                       | 0.8                       | dB  |        |   |
|  | Time-averaged power [dBm]  |                 | 22.6                      | 22.6                      | 22.6                      | 1.20                      | 1.20                      | 1.20                      | Lin   |        |   |
|  | Back facing phantom  | Without headset | Estimated SAR             | -                         | 0.389                     | -                         | -                         | 0.468                     | -   | -      | - |
|  |  |                 | Full SAR                  | -                         | -                         | -                         | -                         | -                         | -   | -      | - |
|  | Headset WH-108   | Without headset | Estimated SAR             | -                         | 0.373                     | -                         | -                         | 0.448                     | -   | -      | - |
|  |  |                 | Full SAR                  | -                         | -                         | -                         | -                         | -                         | -   | -      | - |
|  | Display facing phantom   | Without headset | Estimated SAR             | -                         | 0.409                     | -                         | -                         | 0.492                     | -   | 0.01   | - |
|  |  |                 | Full SAR                  | -                         | 0.415                     | -                         | -                         | 0.499                     | -   | -      | - |
|  | Headset WH-108   | Without headset | Estimated SAR             | -                         | 0.395                     | -                         | -                         | 0.475                     | -   | -      | - |
| Full SAR                                       |  |                 | -                         | -                         | -                         | -                         | -                         | -                         | -   | -      |   |
| CC-3085 Display facing phantom Without headset | Without headset  | Estimated SAR   | -                         | 0.435                     | -                         | -                         | 0.523                     | -                         | 0.01  | -      |   |
|  |  | Full SAR        | -                         | 0.441                     | -                         | -                         | 0.530                     | -                         | -   | -      |   |

(LTE1700 (Band 4) Body SAR / Antenna 2 Table continues)

(LTE1700 (Band 4) Body SAR / Antenna 2 Table continues)

| Mode                                    | Test configuration              |                 | SAR measurement | Measured 1g SAR [W/kg]   |                        |                        | Reported* 1g SAR [W/kg] |                        |                        | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|---|---------------------------------|-----------------|-----------------|--|------------------------|------------------------|-------------------------|------------------------|------------------------|---|--------|
|   |                                 |                 |                 | Ch 20050<br>1720.0 MHz   | Ch 23175<br>1732.5 MHz | Ch 20300<br>1745.0 MHz | Ch 20050<br>1720.0 MHz  | Ch 23175<br>1732.5 MHz | Ch 20300<br>1745.0 MHz |   |        |
| 20MHz<br>Ch BW<br>50% RB<br>0% offset   | Tuning Target + Tolerance [dBm] |                 |                 | 22.4   |                        |                        | Scaling factor*         |                        |                        |   |        |
|   | Conducted Power [dBm]           |                 |                 | 21.7   | 21.7                   | 21.8                   | 0.7                     | 0.7                    | 0.6                    | dB  |        |
|   | Time-averaged power [dBm]       |                 |                 | 21.7   | 21.7                   | 21.8                   | 1.17                    | 1.17                   | 1.15                   | Lin   |        |
|   | Back facing phantom             | Without headset | Estimated SAR   | -  | -                      | 0.307                  | -                       | -                      | 0.352                  | -   | -      |
|   |                                 |                 | Full SAR        | -  | -                      | -                      | -                       | -                      | -                      | -   | -      |
|   | Headset WH-108                  | Without headset | Estimated SAR   | -  | -                      | 0.320                  | -                       | -                      | 0.367                  | -   | -      |
|   |                                 |                 | Full SAR        | -  | -                      | -                      | -                       | -                      | -                      | -   | -      |
|   | Display facing phantom          | Without headset | Estimated SAR   | -  | -                      | 0.334                  | -                       | -                      | 0.383                  | -   | -      |
|   |                                 |                 | Full SAR        | -  | -                      | -                      | -                       | -                      | -                      | -   | -      |
|   | Headset WH-108                  | Without headset | Estimated SAR   | -  | -                      | 0.322                  | -                       | -                      | 0.370                  | -   | -      |
| Full SAR                                |                                 |                 | -               | -  | -                      | -                      | -                       | -                      | -                      | -   |        |
| 20MHz<br>Ch BW<br>50% RB<br>50% offset  | Tuning Target + Tolerance [dBm] |                 |                 | 22.4   |                        |                        | Scaling factor*         |                        |                        |   |        |
|   | Conducted Power [dBm]           |                 |                 | 21.6   | 21.7                   | 21.6                   | 0.8                     | 0.7                    | 0.8                    | dB  |        |
|   | Time-averaged power [dBm]       |                 |                 | 21.6   | 21.7                   | 21.6                   | 1.20                    | 1.17                   | 1.20                   | Lin   |        |
|   |                                 |                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                        |                        |                         |                        |                        |   |        |
| 20MHz<br>Ch BW<br>50% RB<br>100% offset | Tuning Target + Tolerance [dBm] |                 |                 | 22.4   |                        |                        | Scaling factor*         |                        |                        |   |        |
|   | Conducted Power [dBm]           |                 |                 | 21.7   | 21.7                   | 21.7                   | 0.7                     | 0.7                    | 0.7                    | dB  |        |
|   | Time-averaged power [dBm]       |                 |                 | 21.7   | 21.7                   | 21.7                   | 1.17                    | 1.17                   | 1.17                   | Lin   |        |
|   |                                 |                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                        |                        |                         |                        |                        |   |        |
| 20MHz<br>Ch BW<br>100% RB               | Tuning Target + Tolerance [dBm] |                 |                 | 22.4   |                        |                        | Scaling factor*         |                        |                        |   |        |
|   | Conducted Power [dBm]           |                 |                 | 21.7   | 21.7                   | 21.7                   | 0.7                     | 0.7                    | 0.7                    | dB  |        |
|   | Time-averaged power [dBm]       |                 |                 | 21.7   | 21.7                   | 21.7                   | 1.17                    | 1.17                   | 1.17                   | Lin   |        |
|   |                                 |                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                        |                        |                         |                        |                        |   |        |

**1900MHz Band Body SAR results / Antenna 1**

| Mode        | Device orientation                               |                 | SAR measurement | Measured 1g SAR [W/kg] |                      |                      | Reported* 1g SAR [W/kg] |                      |                      | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|-------------|--|-----------------|-----------------|------------------------|----------------------|----------------------|-------------------------|----------------------|----------------------|---|--------|
|             |  |                 |                 | Ch 512<br>1850.2 MHz   | Ch 661<br>1880.0 MHz | Ch 810<br>1909.8 MHz | Ch 512<br>1850.2 MHz    | Ch 661<br>1880.0 MHz | Ch 810<br>1909.8 MHz |   |        |
| 1-slot GPRS | Tuning Target + Tolerance [dBm]                  |                 |                 | 29.9                   |                      |                      | Scaling factor*         |                      |                      |   |        |
|             | Conducted Slot Average Power [dBm]               |                 |                 | 29.6                   | 29.6                 | 29.4                 | 0.3                     | 0.3                  | 0.5                  | dB  |        |
|             | Time-averaged power [dBm]                        |                 |                 | 20.6                   | 20.6                 | 20.4                 | 1.07                    | 1.07                 | 1.12                 | Lin   |        |
|             | No testing required for this slot configuration. |                 |                 |                        |                      |                      |                         |                      |                      |   |        |
| 2-slot GPRS | Tuning Target + Tolerance [dBm]                  |                 |                 | 29.4                   |                      |                      | Scaling factor*         |                      |                      |   |        |
|             | Conducted Slot Average Power [dBm]               |                 |                 | 29.2                   | 29.1                 | 28.8                 | 0.2                     | 0.3                  | 0.6                  | dB  |        |
|             | Time-averaged power [dBm]                        |                 |                 | 23.2                   | 23.1                 | 22.8                 | 1.05                    | 1.07                 | 1.15                 | Lin   |        |
|             | Back facing phantom                              | Without headset | Estimated SAR   | -                      | 0.469                | -                    | -                       | 0.503                | -                    | -   | -      |
|             |  | Headset WH-108  | Full SAR        | -                      | -                    | -                    | -                       | -                    | -                    | -   | -      |
|             | Display facing phantom                           | Without headset | Estimated SAR   | 0.556                  | 0.562                | 0.543                | 0.582                   | 0.602                | 0.623                | 0.02  | -      |
|             |  | Headset WH-108  | Full SAR        | -                      | -                    | 0.565                | -                       | -                    | 0.649                | -   | -      |
|             | CC-3085 Display facing phantom Without headset   | Without headset | Estimated SAR   | -                      | 0.518                | -                    | -                       | 0.555                | -                    | -   | -      |
|             |  | Headset WH-108  | Full SAR        | -                      | -                    | -                    | -                       | -                    | -                    | -   | -      |
|             | CC-3085 Display facing phantom Without headset   |                 |                 | Estimated SAR          | 0.608                | 0.568                | 0.567                   | 0.637                | 0.609                | 0.651   | 0.03   |
| Full SAR    |  |                 | -               | -                      | 0.592                | -                    | -                       | 0.680                | -                    | -   |        |
| 3-slot GPRS | Tuning Target + Tolerance [dBm]                  |                 |                 | 27.6                   |                      |                      | Scaling factor*         |                      |                      |   |        |
|             | Conducted Slot Average Power [dBm]               |                 |                 | 27.3                   | 27.2                 | 27.0                 | 0.3                     | 0.4                  | 0.6                  | dB  |        |
|             | Time-averaged power [dBm]                        |                 |                 | 23.0                   | 22.9                 | 22.7                 | 1.07                    | 1.10                 | 1.15                 | Lin   |        |
|             | No testing required for this slot configuration. |                 |                 |                        |                      |                      |                         |                      |                      |   |        |
| 4-slot GPRS | Tuning Target + Tolerance [dBm]                  |                 |                 | 25.9                   |                      |                      | Scaling factor*         |                      |                      |   |        |
|             | Conducted Slot Average Power [dBm]               |                 |                 | 25.9                   | 25.9                 | 25.7                 | 0.0                     | 0.0                  | 0.2                  | dB  |        |
|             | Time-averaged power [dBm]                        |                 |                 | 22.9                   | 22.9                 | 22.7                 | 1.00                    | 1.00                 | 1.05                 | Lin   |        |
|             | No testing required for this slot configuration. |                 |                 |                        |                      |                      |                         |                      |                      |   |        |

(1900MHz Band Body SAR results / Antenna 1 Table continues)

(1900MHz Band Body SAR results / Antenna 1 Table continues)

| Mode   | Device orientation              |                 | SAR measurement | Measured 1g SAR [W/kg] |                       |                       | Reported* 1g SAR [W/kg] |                       |                       | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--|---------------------------------|-----------------|-----------------|------------------------|-----------------------|-----------------------|-------------------------|-----------------------|-----------------------|---|--------|
|  |                                 |                 |                 | Ch 9262<br>1852.4 MHz  | Ch 9400<br>1880.0 MHz | Ch 9538<br>1907.6 MHz | Ch 9262<br>1852.4 MHz   | Ch 9400<br>1880.0 MHz | Ch 9538<br>1907.6 MHz |   |        |
| WCDMA  | Tuning Target + Tolerance [dBm] |                 |                 | 23.4                   |                       |                       | Scaling factor*         |                       |                       |   |        |
|  | Conducted Power [dBm]           |                 |                 | 23.1                   | 23.1                  | 22.9                  | 0.3                     | 0.3                   | 0.5                   | dB  |        |
|  | Time-averaged power [dBm]       |                 |                 | 23.1                   | 23.1                  | 22.9                  | 1.07                    | 1.07                  | 1.12                  | Lin   |        |
|  | Back facing phantom             | Without headset | Estimated SAR   | -                      | 0.541                 | -                     | -                       | 0.580                 | -                     | -   | -      |
|  |                                 |                 | Full SAR        | -                      | -                     | -                     | -                       | -                     | -                     | -   | -      |
|  | Headset WH-108                  | Without headset | Estimated SAR   | -                      | 0.491                 | -                     | -                       | 0.526                 | -                     | -   | -      |
|  |                                 |                 | Full SAR        | -                      | -                     | -                     | -                       | -                     | -                     | -   | -      |
|  | Display facing phantom          | Without headset | Estimated SAR   | 0.681                  | 0.662                 | 0.621                 | 0.730                   | 0.709                 | 0.697                 | 0.02  | 23     |
|  |                                 |                 | Full SAR        | 0.703                  | -                     | -                     | 0.753                   | -                     | -                     | -   | -      |
|  | Headset WH-108                  | Without headset | Estimated SAR   | -                      | 0.618                 | -                     | -                       | 0.662                 | -                     | -   | -      |
| Full SAR                                       |                                 |                 | -               | -                      | -                     | -                     | -                       | -                     | -                     | -   |        |
| CC-3085 Display facing phantom Without headset |                                 | Estimated SAR   | 0.663           | 0.651                  | 0.622                 | 0.710                 | 0.698                   | 0.698                 | 0.02                  | -   |        |
|  |                                 | Full SAR        | 0.685           | -                      | -                     | 0.734                 | -                       | -                     | -                     | -   |        |

WCDMA1900 (Band2) Body SAR results / Antenna 2

| Mode                                       | Device orientation              |                 | SAR measurement | Measured 1g SAR [W/kg] |                       |                       | Reported* 1g SAR [W/kg] |                       |                       | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--|---------------------------------|-----------------|-----------------|------------------------|-----------------------|-----------------------|-------------------------|-----------------------|-----------------------|---|--------|
|  |                                 |                 |                 | Ch 9262<br>1852.4 MHz  | Ch 9400<br>1880.0 MHz | Ch 9538<br>1907.6 MHz | Ch 9262<br>1852.4 MHz   | Ch 9400<br>1880.0 MHz | Ch 9538<br>1907.6 MHz |   |        |
| WCDMA                                      | Tuning Target + Tolerance [dBm] |                 |                 | 23.4                   |                       |                       | Scaling factor*         |                       |                       |   |        |
|  | Conducted Power [dBm]           |                 |                 | 22.6                   | 22.6                  | 22.4                  | 0.8                     | 0.8                   | 1.0                   | dB  |        |
|  | Time-averaged power [dBm]       |                 |                 | 22.6                   | 22.6                  | 22.4                  | 1.20                    | 1.20                  | 1.26                  | Lin   |        |
|  | Back facing phantom             | Without headset | Estimated SAR   | -                      | 0.411                 | -                     | -                       | 0.494                 | -                     | -   | -      |
|  |                                 |                 | Full SAR        | -                      | -                     | -                     | -                       | -                     | -                     | -   | -      |
|  | Headset WH-108                  | Without headset | Estimated SAR   | 0.426                  | 0.453                 | 0.386                 | 0.512                   | 0.545                 | 0.486                 | 0.05  | -      |
|  |                                 |                 | Full SAR        | -                      | 0.407                 | -                     | -                       | 0.489                 | -                     | -   | -      |
|  | Display facing phantom          | Without headset | Estimated SAR   | -                      | 0.355                 | -                     | -                       | 0.427                 | -                     | -   | -      |
|  |                                 |                 | Full SAR        | -                      | -                     | -                     | -                       | -                     | -                     | -   | -      |
|  | Headset WH-108                  | Without headset | Estimated SAR   | -                      | 0.377                 | -                     | -                       | 0.453                 | -                     | -   | -      |
| Full SAR                                   |                                 |                 | -               | -                      | -                     | -                     | -                       | -                     | -                     | -   |        |
| CC-3085 Back facing phantom Headset WH-108 |                                 | Estimated SAR   | 0.433           | 0.427                  | 0.392                 | 0.521                 | 0.513                   | 0.493                 | 0.01                  | -   |        |
|  |                                 | Full SAR        | 0.446           | -                      | -                     | 0.536                 | -                       | -                     | -                     | -   |        |

**LTE1900 (Band 2) Body SAR results / Antenna 1**

| Mode   | Test configuration   |                 | SAR measurement | Measured 1g SAR [W/kg] |          |                 | Reported* 1g SAR [W/kg] |          |          | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--|--|-----------------|-----------------|------------------------|----------|-----------------|-------------------------|----------|----------|---|--------|
|  |  |                 |                 | Ch 18700               | Ch 18900 | Ch 19100        | Ch 18700                | Ch 18900 | Ch 19100 |   |        |
| 20MHz<br>Ch BW<br>1RB<br>0%<br>offset          | Tuning Target + Tolerance [dBm]  |                 | 22.9            |                        |          | Scaling factor* |                         |          |          |   |        |
|  | Conducted Power [dBm]  |                 | 22.5            | 22.6                   | 22.6     | 0.4             | 0.3                     | 0.3      | dB       |   |        |
|  | Time-averaged power [dBm]  |                 | 22.5            | 22.6                   | 22.6     | 1.10            | 1.07                    | 1.07     | Lin      |   |        |
|  | Back facing phantom  | Without headset | Estimated SAR   | -                      | 0.481    | -               | -                       | 0.515    | -        | -   | -      |
|  |  |                 | Full SAR        | -                      | -        | -               | -                       | -        | -        | -   | -      |
|  | Headset WH-108   | Without headset | Estimated SAR   | -                      | 0.483    | -               | -                       | 0.518    | -        | -   | -      |
|  |  |                 | Full SAR        | -                      | -        | -               | -                       | -        | -        | -   | -      |
|  | Display facing phantom   | Without headset | Estimated SAR   | -                      | 0.502    | -               | -                       | 0.538    | -        | 0.02  | -      |
|  |  |                 | Full SAR        | -                      | 0.522    | -               | -                       | 0.559    | -        | -   | -      |
|  | Headset WH-108   | Without headset | Estimated SAR   | -                      | 0.488    | -               | -                       | 0.523    | -        | -   | -      |
| Full SAR                                       |  |                 | -               | -                      | -        | -               | -                       | -        | -        | -   |        |
| CC-3085 Display facing phantom Without headset | Without headset  | Estimated SAR   | -               | 0.494                  | -        | -               | 0.529                   | -        | 0.01     | -   |        |
|  |  | Full SAR        | -               | 0.506                  | -        | -               | 0.542                   | -        | -        | -   |        |
| 20MHz<br>Ch BW<br>1RB<br>50%<br>offset         | Tuning Target + Tolerance [dBm]  |                 | 22.9            |                        |          | Scaling factor* |                         |          |          |   |        |
|  | Conducted Power [dBm]  |                 | 22.5            | 22.5                   | 22.5     | 0.4             | 0.4                     | 0.4      | dB       |   |        |
|  | Time-averaged power [dBm]  |                 | 22.5            | 22.5                   | 22.5     | 1.10            | 1.10                    | 1.10     | Lin      |   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                 |                        |          |                 |                         |          |          |   |        |
| 20MHz<br>Ch BW<br>1RB<br>100%<br>offset        | Tuning Target + Tolerance [dBm]  |                 | 22.9            |                        |          | Scaling factor* |                         |          |          |   |        |
|  | Conducted Power [dBm]  |                 | 22.4            | 22.5                   | 22.4     | 0.5             | 0.4                     | 0.5      | dB       |   |        |
|  | Time-averaged power [dBm]  |                 | 22.4            | 22.5                   | 22.4     | 1.12            | 1.10                    | 1.12     | Lin      |   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                 |                        |          |                 |                         |          |          |   |        |

(LTE1900 (Band 2) Body SAR results / Antenna 1 Table continues)



(LTE1900 (Band 2) Body SAR results / Antenna 1 Table continues)

| Mode                                      | Test configuration              |                 | SAR measurement  | Measured 1g SAR [W/kg] |            |                 | Reported* 1g SAR [W/kg] |            |            | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|---|---------------------------------|-----------------|--|------------------------|------------|-----------------|-------------------------|------------|------------|---|--------|
|   |                                 |                 |  | Ch 18700               | Ch 18900   | Ch 19100        | Ch 18700                | Ch 18900   | Ch 19100   |   |        |
|   |                                 |                 |  | 1869.0 MHz             | 1880.0 MHz | 1900.0 MHz      | 1869.0 MHz              | 1880.0 MHz | 1900.0 MHz |   |        |
| 20MHz<br>Ch BW<br>50%RB<br>0%<br>offset   | Tuning Target + Tolerance [dBm] |                 | 21.9   |                        |            | Scaling factor* |                         |            |            |   |        |
|   | Conducted Power [dBm]           |                 | 21.5   | 21.5                   | 21.5       | 0.4             | 0.4                     | 0.4        | dB         |   |        |
|   | Time-averaged power [dBm]       |                 | 21.5   | 21.5                   | 21.5       | 1.10            | 1.10                    | 1.10       | Lin        |   |        |
|   | Back facing phantom             | Without headset | Estimated SAR  | -                      | 0.391      | -               | -                       | 0.429      | -          | -   | -      |
|   |                                 |                 | Full SAR   | -                      | -          | -               | -                       | -          | -          | -   | -      |
|   |                                 | Headset WH-108  | Estimated SAR  | -                      | 0.390      | -               | -                       | 0.428      | -          | -   | -      |
|   |                                 |                 | Full SAR   | -                      | -          | -               | -                       | -          | -          | -   | -      |
|   | Display facing phantom          | Without headset | Estimated SAR  | -                      | 0.408      | -               | -                       | 0.447      | -          | -   | -      |
|   |                                 |                 | Full SAR   | -                      | -          | -               | -                       | -          | -          | -   | -      |
|   |                                 | Headset WH-108  | Estimated SAR  | -                      | 0.392      | -               | -                       | 0.430      | -          | -   | -      |
| Full SAR                                  |                                 |                 | -  | -                      | -          | -               | -                       | -          | -          | -   |        |
| 20MHz<br>Ch BW<br>50%RB<br>50%<br>offset  | Tuning Target + Tolerance [dBm] |                 | 21.9   |                        |            | Scaling factor* |                         |            |            |   |        |
|   | Conducted Power [dBm]           |                 | 21.5   | 21.5                   | 21.5       | 0.4             | 0.4                     | 0.4        | dB         |   |        |
|   | Time-averaged power [dBm]       |                 | 21.5   | 21.5                   | 21.5       | 1.10            | 1.10                    | 1.10       | Lin        |   |        |
|   |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                        |            |                 |                         |            |            |   |        |
| 20MHz<br>Ch BW<br>50%RB<br>100%<br>offset | Tuning Target + Tolerance [dBm] |                 | 21.9   |                        |            | Scaling factor* |                         |            |            |   |        |
|   | Conducted Power [dBm]           |                 | 21.5   | 21.5                   | 21.3       | 0.4             | 0.4                     | 0.6        | dB         |   |        |
|   | Time-averaged power [dBm]       |                 | 21.5   | 21.5                   | 21.3       | 1.10            | 1.10                    | 1.15       | Lin        |   |        |
|   |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                        |            |                 |                         |            |            |   |        |
| 20MHz<br>Ch BW<br>100%<br>RB              | Tuning Target + Tolerance [dBm] |                 | 21.9   |                        |            | Scaling factor* |                         |            |            |   |        |
|   | Conducted Power [dBm]           |                 | 21.5   | 21.5                   | 21.4       | 0.4             | 0.4                     | 0.5        | dB         |   |        |
|   | Time-averaged power [dBm]       |                 | 21.5   | 21.5                   | 21.4       | 1.10            | 1.10                    | 1.12       | Lin        |   |        |
|   |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                        |            |                 |                         |            |            |   |        |

**LTE1900 (Band 2) Body SAR results / Antenna 2**

| Mode   | Test configuration   |                 | SAR measurement | Measured 1g SAR [W/kg] |          |          | Reported* 1g SAR [W/kg] |          |          | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--|--|-----------------|-----------------|------------------------|----------|----------|-------------------------|----------|----------|---|--------|
|  |  |                 |                 | Ch 18700               | Ch 18900 | Ch 19100 | Ch 18700                | Ch 18900 | Ch 19100 |   |        |
| 20MHz<br>Ch BW<br>1RB<br>0%<br>offset          | Tuning Target + Tolerance [dBm]  |                 |                 | 22.9                   |          |          | Scaling factor*         |          |          |   |        |
|  | Conducted Power [dBm]  |                 |                 | 22.0                   | 22.1     | 22.1     | 0.9                     | 0.8      | 0.8      | dB  |        |
|  | Time-averaged power [dBm]  |                 |                 | 22.0                   | 22.1     | 22.1     | 1.23                    | 1.20     | 1.20     | Lin   |        |
|  | Back facing phantom  | Without headset | Estimated SAR   | -                      | 0.402    | -        | -                       | 0.483    | -        | -   | -      |
|  |  |                 | Full SAR        | -                      | -        | -        | -                       | -        | -        | -   | -      |
|  | Headset WH-108   | Without headset | Estimated SAR   | -                      | 0.385    | -        | -                       | 0.463    | -        | -   | -      |
|  |  |                 | Full SAR        | -                      | -        | -        | -                       | -        | -        | -   | -      |
|  | Display facing phantom   | Without headset | Estimated SAR   | -                      | 0.469    | -        | -                       | 0.564    | -        | 0.01  | -      |
|  |  |                 | Full SAR        | -                      | 0.475    | -        | -                       | 0.571    | -        | -   | -      |
|  | Headset WH-108   | Without headset | Estimated SAR   | -                      | 0.443    | -        | -                       | 0.533    | -        | -   | -      |
| Full SAR                                       |  |                 | -               | -                      | -        | -        | -                       | -        | -        | -   |        |
| CC-3085 Display facing phantom Without headset | Without headset  | Estimated SAR   | -               | 0.480                  | -        | -        | 0.577                   | -        | -        | -   |        |
|  |  | Full SAR        | -               | 0.491                  | -        | -        | 0.590                   | -        | 0.01     | 24  |        |
| 20MHz<br>Ch BW<br>1RB<br>50%<br>offset         | Tuning Target + Tolerance [dBm]  |                 |                 | 22.9                   |          |          | Scaling factor*         |          |          |   |        |
|  | Conducted Power [dBm]  |                 |                 | 22.0                   | 22.0     | 22.0     | 0.9                     | 0.9      | 0.9      | dB  |        |
|  | Time-averaged power [dBm]  |                 |                 | 22.0                   | 22.0     | 22.0     | 1.23                    | 1.23     | 1.23     | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                 |                        |          |          |                         |          |          |   |        |
| 20MHz<br>Ch BW<br>1RB<br>100%<br>offset        | Tuning Target + Tolerance [dBm]  |                 |                 | 22.9                   |          |          | Scaling factor*         |          |          |   |        |
|  | Conducted Power [dBm]  |                 |                 | 21.9                   | 22.0     | 21.9     | 1.0                     | 0.9      | 1.0      | dB  |        |
|  | Time-averaged power [dBm]  |                 |                 | 21.9                   | 22.0     | 21.9     | 1.26                    | 1.23     | 1.26     | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                 |                        |          |          |                         |          |          |   |        |

(LTE1900 (Band 2) Body SAR results / Antenna 2 Table continues)

(LTE1900 (Band 2) Body SAR results / Antenna 2 Table continues)

| Mode                                      | Test configuration              |                 | SAR measurement  | Measured 1g SAR [W/kg] |            |                 | Reported* 1g SAR [W/kg] |            |            | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|---|---------------------------------|-----------------|--|------------------------|------------|-----------------|-------------------------|------------|------------|---|--------|
|   |                                 |                 |  | Ch 18700               | Ch 18900   | Ch 19100        | Ch 18700                | Ch 18900   | Ch 19100   |   |        |
|   |                                 |                 |  | 1869.0 MHz             | 1880.0 MHz | 1900.0 MHz      | 1869.0 MHz              | 1880.0 MHz | 1900.0 MHz |   |        |
| 20MHz<br>Ch BW<br>50%RB<br>0%<br>offset   | Tuning Target + Tolerance [dBm] |                 | 21.9   |                        |            | Scaling factor* |                         |            |            |   |        |
|   | Conducted Power [dBm]           |                 | 21.0   | 21.0                   | 21.0       | 0.9             | 0.9                     | 0.9        | dB         |   |        |
|   | Time-averaged power [dBm]       |                 | 21.0   | 21.0                   | 21.0       | 1.23            | 1.23                    | 1.23       | Lin        |   |        |
|   | Back facing phantom             | Without headset | Estimated SAR  | -                      | 0.309      | -               | -                       | 0.380      | -          | -   | -      |
|   |                                 |                 | Full SAR   | -                      | -          | -               | -                       | -          | -          | -   | -      |
|   |                                 | Headset WH-108  | Estimated SAR  | -                      | 0.296      | -               | -                       | 0.364      | -          | -   | -      |
|   |                                 |                 | Full SAR   | -                      | -          | -               | -                       | -          | -          | -   | -      |
|   | Display facing phantom          | Without headset | Estimated SAR  | -                      | 0.348      | -               | -                       | 0.428      | -          | -   | -      |
|   |                                 |                 | Full SAR   | -                      | -          | -               | -                       | -          | -          | -   | -      |
|   |                                 | Headset WH-108  | Estimated SAR  | -                      | 0.328      | -               | -                       | 0.404      | -          | -   | -      |
| Full SAR                                  |                                 |                 | -  | -                      | -          | -               | -                       | -          | -          | -   |        |
| 20MHz<br>Ch BW<br>50%RB<br>50%<br>offset  | Tuning Target + Tolerance [dBm] |                 | 21.9   |                        |            | Scaling factor* |                         |            |            |   |        |
|   | Conducted Power [dBm]           |                 | 21.0   | 21.0                   | 21.0       | 0.9             | 0.9                     | 0.9        | dB         |   |        |
|   | Time-averaged power [dBm]       |                 | 21.0   | 21.0                   | 21.0       | 1.23            | 1.23                    | 1.23       | Lin        |   |        |
|   |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                        |            |                 |                         |            |            |   |        |
| 20MHz<br>Ch BW<br>50%RB<br>100%<br>offset | Tuning Target + Tolerance [dBm] |                 | 21.9   |                        |            | Scaling factor* |                         |            |            |   |        |
|   | Conducted Power [dBm]           |                 | 21.0   | 21.0                   | 20.8       | 0.9             | 0.9                     | 1.1        | dB         |   |        |
|   | Time-averaged power [dBm]       |                 | 21.0   | 21.0                   | 20.8       | 1.23            | 1.23                    | 1.29       | Lin        |   |        |
|   |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                        |            |                 |                         |            |            |   |        |
| 20MHz<br>Ch BW<br>100%<br>RB              | Tuning Target + Tolerance [dBm] |                 | 21.9   |                        |            | Scaling factor* |                         |            |            |   |        |
|   | Conducted Power [dBm]           |                 | 21.0   | 21.0                   | 20.9       | 0.9             | 0.9                     | 1.0        | dB         |   |        |
|   | Time-averaged power [dBm]       |                 | 21.0   | 21.0                   | 20.9       | 1.23            | 1.23                    | 1.26       | Lin        |   |        |
|   |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                        |            |                 |                         |            |            |   |        |

**LTE2500 (Band 7) Body SAR results / Antenna 2**

| Mode                                     | Device orientation   |                 | SAR measurement | Measured 1g SAR [W/kg] |                        |                        | Reported* 1g SAR [W/kg] |                        |                        | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--|--|-----------------|-----------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|---|--------|
|  |  |                 |                 | Ch 20850<br>2510.0 MHz | Ch 21100<br>2535.0 MHz | Ch 21350<br>2560.0 MHz | Ch 20850<br>2510.0 MHz  | Ch 21100<br>2535.0 MHz | Ch 21350<br>2560.0 MHz |   |        |
| 20MHz<br>Ch BW<br>1RB<br>0%<br>offset    | Tuning Target + Tolerance [dBm]  |                 | 22.4            |                        |                        | Scaling factor*        |                         |                        |                        |   |        |
|  | Conducted Slot Average Power [dBm]   |                 | 21.6            | 22.0                   | 22.0                   | 0.8                    | 0.4                     | 0.4                    | dB                     |   |        |
|  | Time-averaged power [dBm]  |                 | 21.6            | 22.0                   | 22.0                   | 1.20                   | 1.10                    | 1.10                   | Lin                    |   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                 |                        |                        |                        |                         |                        |                        |   |        |
| 20MHz<br>Ch BW<br>1RB<br>50%<br>offset   | Tuning Target + Tolerance [dBm]  |                 | 22.4            |                        |                        | Scaling factor*        |                         |                        |                        |   |        |
|  | Conducted Slot Average Power [dBm]   |                 | 21.8            | 22.1                   | 22.0                   | 0.6                    | 0.3                     | 0.4                    | dB                     |   |        |
|  | Time-averaged power [dBm]  |                 | 21.8            | 22.1                   | 22.0                   | 1.15                   | 1.07                    | 1.10                   | Lin                    |   |        |
|  | Back facing phantom  | Without headset | Estimated SAR   | -                      | 0.470                  | -                      | -                       | 0.504                  | -                      | 0.01  | 25     |
|  |  |                 | Full SAR        | -                      | 0.463                  | -                      | -                       | <b>0.496</b>           | -                      |   |        |
|  |  | Headset WH-108  | Estimated SAR   | -                      | 0.436                  | -                      | -                       | 0.467                  | -                      | -   |        |
|  |  |                 | Full SAR        | -                      | -                      | -                      | -                       | -                      | -                      | -   |        |
|  | Display facing phantom   | Without headset | Estimated SAR   | -                      | 0.417                  | -                      | -                       | 0.447                  | -                      | -   |        |
|  |  |                 | Full SAR        | -                      | -                      | -                      | -                       | -                      | -                      | -   |        |
|  |  | Headset WH-108  | Estimated SAR   | -                      | 0.367                  | -                      | -                       | 0.393                  | -                      | -   |        |
|  |  |                 | Full SAR        | -                      | -                      | -                      | -                       | -                      | -                      | -   |        |
|  | CC-3085 Back facing phantom without headset  | Estimated SAR   | -               | 0.465                  | -                      | -                      | 0.498                   | -                      | 0.01                   | -   |        |
| Full SAR                                 |  | -               | 0.455           | -                      | -                      | 0.488                  | -                       |                        |                        |   |        |
| 20MHz<br>Ch BW<br>1 RB<br>100%<br>offset | Tuning Target + Tolerance [dBm]  |                 | 22.4            |                        |                        | Scaling factor*        |                         |                        |                        |   |        |
|  | Conducted Slot Average Power [dBm]   |                 | 22.0            | 22.1                   | 21.7                   | 0.4                    | 0.3                     | 0.7                    | dB                     |   |        |
|  | Time-averaged power [dBm]  |                 | 22.0            | 22.1                   | 21.7                   | 1.10                   | 1.07                    | 1.17                   | Lin                    |   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                 |                        |                        |                        |                         |                        |                        |   |        |
| 20MHz<br>Ch BW<br>50% RB<br>0%<br>offset | Tuning Target + Tolerance [dBm]  |                 | 21.4            |                        |                        | Scaling factor*        |                         |                        |                        |   |        |
|  | Conducted Slot Average Power [dBm]   |                 | 20.7            | 21.0                   | 21.0                   | 0.7                    | 0.4                     | 0.4                    | dB                     |   |        |
|  | Time-averaged power [dBm]  |                 | 20.7            | 21.0                   | 21.0                   | 1.17                   | 1.10                    | 1.10                   | Lin                    |   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                 |                        |                        |                        |                         |                        |                        |   |        |

(LTE2500 (Band 7) Body SAR results / Antenna 2 Table continues)

(LTE2500 (Band 7) Body SAR results / Antenna 2 Table continues)

| Mode   | Device orientation   |                                 | SAR measurement | Measured 1g SAR [W/kg]    |                           |                           | Reported* 1g SAR [W/kg]   |                           |                           | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--|--|---------------------------------|-----------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---|--------|
|  |  |                                 |                 | Ch 20850<br>2510.0<br>MHz | Ch 21100<br>2535.0<br>MHz | Ch 21350<br>2560.0<br>MHz | Ch 20850<br>2510.0<br>MHz | Ch 21100<br>2535.0<br>MHz | Ch 21350<br>2560.0<br>MHz |   |        |
| 20MHz<br>Ch BW<br>50% RB<br>50%<br>offset  | Tuning Target + Tolerance [dBm]  |                                 | 21.4            |                           |                           | Scaling factor*           |                           |                           |                           |   |        |
|  | Conducted Slot Average Power [dBm]   |                                 | 20.9            | 21.1                      | 21.2                      | 0.5                       | 0.3                       | 0.2                       | dB                        |   |        |
|  | Time-averaged power [dBm]  |                                 | 20.9            | 21.1                      | 21.2                      | 1.12                      | 1.07                      | 1.05                      | Lin                       |   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                                 |                 |                           |                           |                           |                           |                           |                           |   |        |
| 20MHz<br>Ch BW<br>50%RB<br>100%<br>offset  | Tuning Target + Tolerance [dBm]  |                                 | 21.4            |                           |                           | Scaling factor*           |                           |                           |                           |   |        |
|  | Conducted Slot Average Power [dBm]   |                                 | 21.0            | 21.1                      | 21.2                      | 0.4                       | 0.3                       | 0.2                       | dB                        |   |        |
|  | Time-averaged power [dBm]  |                                 | 21.0            | 21.1                      | 21.2                      | 1.10                      | 1.07                      | 1.05                      | Lin                       |   |        |
|  | Back facing phantom  | Without headset                 | Estimated SAR   | -                         | -                         | 0.455                     | -                         | -                         | 0.476                     | -   | -      |
|  |  | Headset WH-108                  | Estimated SAR   | -                         | -                         | 0.320                     | -                         | -                         | 0.335                     | -   | -      |
|  | Display facing phantom   | Without headset                 | Estimated SAR   | -                         | -                         | 0.310                     | -                         | -                         | 0.325                     | -   | -      |
|  |  | Headset WH-108                  | Estimated SAR   | -                         | -                         | 0.289                     | -                         | -                         | 0.303                     | -   | -      |
|  | Full SAR   |                                 | -               | -                         | -                         | -                         | -                         | -                         | -                         | -   | -      |
|  | Full SAR   |                                 | -               | -                         | -                         | -                         | -                         | -                         | -                         | -   | -      |
|  | 20MHz<br>Ch BW<br>100%<br>RB   | Tuning Target + Tolerance [dBm] |                 | 21.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |
| Conducted Slot Average Power [dBm]   |  | 20.9                            | 21.0            | 21.1                      | 0.5                       | 0.4                       | 0.3                       | dB                        |                           |   |        |
| Time-averaged power [dBm]  |  | 20.9                            | 21.0            | 21.1                      | 1.12                      | 1.10                      | 1.07                      | Lin                       |                           |   |        |
| No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |  |                                 |                 |                           |                           |                           |                           |                           |                           |   |        |

**2450MHz Body SAR results**

| Mode   | Device orientation                 |                 | SAR measurement | Measured 1g SAR [W/kg] |                    |                     | Reported* 1g SAR [W/kg] |                    |                     | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--|------------------------------------|-----------------|-----------------|------------------------|--------------------|---------------------|-------------------------|--------------------|---------------------|---|--------|
|  |                                    |                 |                 | Ch 1<br>2412.0 MHz     | Ch 6<br>2437.0 MHz | Ch 11<br>2462.0 MHz | Ch 1<br>2412.0 MHz      | Ch 6<br>2437.0 MHz | Ch 11<br>2462.0 MHz |   |        |
| WLAN<br>b-mode<br>BPSK<br>1 Mbps               | Tuning Target + Tolerance [dBm]    |                 | 17.5            |                        |                    | Scaling factor*     |                         |                    |                     |   |        |
|  | Conducted Power [dBm]              |                 | 16.2            | 16.4                   | 16.5               | 1.4                 | 1.1                     | 1.1                | dB                  |   |        |
|  | Time-averaged power [dBm]          |                 | 16.2            | 16.4                   | 16.5               | 1.36                | 1.29                    | 1.27               | Lin                 |   |        |
|  | Back facing phantom                | Without headset | Estimated SAR   | -                      | 0.083              | -                   | -                       | 0.107              | -                   | -   | -      |
|  |                                    |                 | Full SAR        | -                      | -                  | -                   | -                       | -                  | -                   | -   | -      |
|  | Headset WH-108                     | Without headset | Estimated SAR   | 0.079                  | 0.083              | 0.085               | 0.107                   | 0.107              | 0.109               | 0.01  | -      |
|  |                                    |                 | Full SAR        | -                      | -                  | 0.091               | -                       | -                  | 0.116               | -   | -      |
|  | Display facing phantom             | Without headset | Estimated SAR   | -                      | 0.063              | -                   | -                       | 0.082              | -                   | -   | -      |
|  |                                    |                 | Full SAR        | -                      | -                  | -                   | -                       | -                  | -                   | -   | -      |
|  | Headset WH-108                     | Without headset | Estimated SAR   | -                      | 0.063              | -                   | -                       | 0.081              | -                   | -   | -      |
| Full SAR                                       |                                    |                 | -               | -                      | -                  | -                   | -                       | -                  | -                   | -   |        |
| CC-3085 Back facing phantom Headset WH-108     |                                    | Estimated SAR   | 0.075           | 0.090                  | 0.093              | 0.102               | 0.116                   | 0.119              | 0.00                | 26  |        |
|  |                                    | Full SAR        | -               | -                      | 0.095              | -                   | -                       | 0.121              | -                   | -   |        |
| Mode   | Device orientation                 |                 | SAR measurement | Measured 1g SAR [W/kg] |                    |                     | Reported* 1g SAR [W/kg] |                    |                     | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|  |                                    |                 |                 | Ch 2<br>2417.0 MHz     | Ch 6<br>2437.0 MHz | Ch 11<br>2462.0 MHz | Ch 2<br>2417.0 MHz      | Ch 6<br>2437.0 MHz | Ch 11<br>2462.0 MHz |   |        |
| WLAN<br>n-mode<br>16 QAM<br>26.0 /<br>28.9Mbps | Tuning Target + Tolerance [dBm]    |                 | 17.5            |                        |                    | Scaling factor*     |                         |                    |                     |   |        |
|  | Conducted Power [dBm]              |                 | 16.6            | 16.7                   | -                  | 0.9                 | 0.9                     | -                  | dB                  |   |        |
|  | Time-averaged power [dBm]          |                 | 16.6            | 16.7                   | -                  | 1.23                | 1.22                    | -                  | Lin                 |   |        |
|  | Back facing phantom Headset WH-108 | Without headset | Estimated SAR   | 0.076                  | 0.082              | -                   | 0.094                   | 0.099              | -                   | -   | -      |
|  |                                    |                 | Full SAR        | -                      | -                  | -                   | -                       | -                  | -                   | -   | -      |

**Simultaneous transmissions: Combined body SAR results –  
Individual band Max results**

| Test configuration                            | Max. Reported* 1g SAR results |                  |                   |                 |                         |
|---|-------------------------------|------------------|-------------------|-----------------|-------------------------|
|   | WLAN                          | Antenna 1        |                   |                 |                         |
|   |                               | LTE700 (Band 17) | WCDMA850 (Band 5) | LTE850 (Band 5) | WCDMA1700/2100 (Band 4) |
| Body: Back facing phantom, Without Headset    | 0.107                         | 0.175            | 0.208             | 0.390           | 0.776                   |
| Body: Back facing phantom, Headset WH-108     | 0.121                         | 0.123            | 0.157             | 0.248           | 0.513                   |
| Body: Display facing phantom, Without Headset | 0.082                         | 0.149            | 0.189             | 0.347           | 0.695                   |
| Body: Display facing phantom, Headset WH-108  | 0.081                         | 0.129            | 0.181             | 0.205           | 0.569                   |

| Test configuration                            | Max. Reported* 1g SAR results |                 |                    |                  |
|---|-------------------------------|-----------------|--------------------|------------------|
|   | Antenna 1                     |                 |                    |                  |
|   | LTE1700/2100 (Band 4)         | 2-slot GPRS1900 | WCDMA1900 (Band 2) | LTE1900 (Band 2) |
| Body: Back facing phantom, Without Headset    | 0.579                         | 0.503           | 0.580              | 0.515            |
| Body: Back facing phantom, Headset WH-108     | 0.449                         | 0.501           | 0.526              | 0.518            |
| Body: Display facing phantom, Without Headset | 0.636                         | 0.680           | 0.753              | 0.559            |
| Body: Display facing phantom, Headset WH-108  | 0.528                         | 0.555           | 0.662              | 0.523            |

| Test configuration                            | Max. Reported* 1g SAR results |                  |                |                   |                 |                         |
|---|-------------------------------|------------------|----------------|-------------------|-----------------|-------------------------|
|   | WLAN                          | Antenna 2        |                |                   |                 |                         |
|   |                               | LTE700 (Band 17) | 2-slot GPRS850 | WCDMA850 (band 5) | LTE850 (Band 5) | WCDMA1700/2100 (Band 4) |
| Body: Back facing phantom, Without Headset    | 0.107                         | 0.497            | 0.592          | 0.708             | 0.405           | 0.753                   |
| Body: Back facing phantom, Headset WH-108     | 0.121                         | 0.328            | 0.246          | 0.527             | 0.216           | 0.586                   |
| Body: Display facing phantom, Without Headset | 0.082                         | 0.420            | 0.421          | 0.630             | 0.311           | 0.593                   |
| Body: Display facing phantom, Headset WH-108  | 0.081                         | 0.253            | 0.219          | 0.497             | 0.253           | 0.471                   |

(Table continues)

(Table continues)

| Test configuration                            | Max. Reported* 1g SAR results |                    |                   |                  |
|---|-------------------------------|--------------------|-------------------|------------------|
|   | Antenna 2                     |                    |                   |                  |
|   | LTE1700/ 2100 (Band 4)        | WCDMA1900 (Band 2) | LTE 1900 (Band 2) | LTE2500 (Band 7) |
| Body: Back facing phantom, Without Headset    | 0.468                         | 0.494              | 0.483             | 0.496            |
| Body: Back facing phantom, Headset WH-108     | 0.448                         | 0.536              | 0.463             | 0.467            |
| Body: Display facing phantom, Without Headset | 0.530                         | 0.427              | 0.590             | 0.447            |
| Body: Display facing phantom, Headset WH-108  | 0.475                         | 0.453              | 0.533             | 0.393            |

**Simultaneous transmissions: Combined body SAR results –  
Max + Max combined results**

| Test configuration                            | Max. Reported* 1g SAR results |                          |                        |                                |
|---|-------------------------------|--------------------------|------------------------|--------------------------------|
|   | Antenna 1 + WLAN              |                          |                        |                                |
|   | LTE700 (Band 17) + WLAN       | WCDMA850 (Band 5) + WLAN | LTE850 (Band 5) + WLAN | WCDMA1700/2100 (Band 4) + WLAN |
| Body: Back facing phantom, Without Headset    | 0.282                         | 0.315                    | 0.497                  | <b>0.883</b>                   |
| Body: Back facing phantom, Headset WH-108     | 0.244                         | 0.278                    | 0.369                  | 0.634                          |
| Body: Display facing phantom, Without Headset | 0.231                         | 0.271                    | 0.429                  | 0.777                          |
| Body: Display facing phantom, Headset WH-108  | 0.210                         | 0.262                    | 0.286                  | 0.650                          |

| Test configuration                            | Max. Reported* 1g SAR results |                         |                            |                         |
|---|-------------------------------|-------------------------|----------------------------|-------------------------|
|   | Antenna 1 + WLAN              |                         |                            |                         |
|   | LTE1700/ 2100 (Band 4) + WLAN | 2-slot GPRS 1900 + WLAN | WCDMA 1900 (Band 2) + WLAN | LTE1900 (Band 2) + WLAN |
| Body: Back facing phantom, Without Headset    | 0.686                         | 0.610                   | 0.687                      | 0.622                   |
| Body: Back facing phantom, Headset WH-108     | 0.570                         | 0.622                   | 0.647                      | 0.639                   |
| Body: Display facing phantom, Without Headset | <b>0.718</b>                  | <b>0.762</b>            | <b>0.835</b>               | 0.641                   |
| Body: Display facing phantom, Headset WH-108  | 0.609                         | 0.636                   | 0.743                      | 0.604                   |



| Test configuration                            | Max. Reported* 1g SAR results |                           |                          |                         |                                |
|---|-------------------------------|---------------------------|--------------------------|-------------------------|--------------------------------|
|   | Antenna 2                     |                           |                          |                         |                                |
|   | LTE700 (Band 17) + WLAN       | 2-slot GPRS850 + WLAN     | WCDMA850 (band 5) + WLAN | LTE850 (Band 5) + WLAN  | WCDMA1700/2100 (Band 4) + WLAN |
| Body: Back facing phantom, Without Headset    | 0.604                         | 0.699                     | 0.815                    | 0.512                   | 0.860                          |
| Body: Back facing phantom, Headset WH-108     | 0.449                         | 0.367                     | 0.648                    | 0.337                   | 0.707                          |
| Body: Display facing phantom, Without Headset | 0.502                         | 0.503                     | 0.712                    | 0.393                   | 0.675                          |
| Body: Display facing phantom, Headset WH-108  | 0.334                         | 0.300                     | 0.578                    | 0.334                   | 0.552                          |
| Test configuration                            | Max. Reported* 1g SAR results |                           |                          |                         |                                |
|   | Antenna 2                     |                           |                          |                         |                                |
|   | LTE1700/ 2100 (Band 4) + WLAN | WCDMA1900 (Band 2) + WLAN | LTE 1900 (Band 2) + WLAN | LTE2500 (Band 7) + WLAN |                                |
| Body: Back facing phantom, Without Headset    | 0.575                         | 0.601                     | 0.590                    | 0.603                   |                                |
| Body: Back facing phantom, Headset WH-108     | 0.569                         | 0.657                     | 0.584                    | 0.588                   |                                |
| Body: Display facing phantom, Without Headset | 0.612                         | 0.509                     | 0.672                    | 0.529                   |                                |
| Body: Display facing phantom, Headset WH-108  | 0.556                         | 0.534                     | 0.614                    | 0.474                   |                                |

Note: Simultaneous Transmission Procedures as described in KDB648474 are not required for this product.

### 7.2.1 Combined Body SAR data

**The Combined SAR data given in the tables below has been voluntarily calculated and should be ignored for FCC certification.**

The following table gives a more accurate assessment of the SAR values for simultaneous transmission. These values have been calculated using the SPEAG Combined Multiband algorithm, which is based on area scans. It a) converts the 2D area scans into 3D volume scans by assuming frequency-dependent decay characteristics for the E-field, b) sums the SAR values for WLAN2450 and the cellular bands point-by-point and c) calculates the combined average SAR values.

**Simultaneous transmissions: Combined body SAR results –  
SPEAG Combined Multiband algorithm results**

| Test configuration                               | Max. Reported* 1g SAR results       |                                |                                  |                                      |
|--|-------------------------------------|--------------------------------|----------------------------------|--------------------------------------|
|  | Antenna 1 + WLAN                    |                                |                                  |                                      |
|  | LTE700<br>(Band 17)<br>+ WLAN       | WCDMA850<br>(Band 5)<br>+ WLAN | LTE850<br>(Band 5)<br>+ WLAN     | WCDMA1700/2100<br>(Band 4)<br>+ WLAN |
| Body: Back facing phantom,<br>Without Headset    | -                                   | -                              | -                                | <b>0.803</b>                         |
| Body: Back facing phantom,<br>Headset WH-108     | -                                   | -                              | -                                | -                                    |
| Body: Display facing phantom,<br>Without Headset | -                                   | -                              | -                                | -                                    |
| Body: Display facing phantom,<br>Headset WH-108  | -                                   | -                              | -                                | -                                    |
| Test configuration                               | Max. Reported* 1g SAR results       |                                |                                  |                                      |
|  | Antenna 1 + WLAN                    |                                |                                  |                                      |
|  | LTE1700/ 2100<br>(Band 4)<br>+ WLAN | 2-slot GPRS<br>1900<br>+ WLAN  | WCDMA 1900<br>(Band 2)<br>+ WLAN | LTE1900<br>(Band 2)<br>+ WLAN        |
| Body: Back facing phantom,<br>Without Headset    | -                                   | -                              | -                                | -                                    |
| Body: Back facing phantom,<br>Headset WH-108     | -                                   | -                              | -                                | -                                    |
| Body: Display facing phantom,<br>Without Headset | <b>0.632</b>                        | <b>0.679</b>                   | <b>0.752</b>                     | -                                    |
| Body: Display facing phantom,<br>Headset WH-108  | -                                   | -                              | -                                | -                                    |

| Test configuration                            | Max. Reported* 1g SAR results |                           |                          |                         |                                |
|---|-------------------------------|---------------------------|--------------------------|-------------------------|--------------------------------|
|   | Antenna 2                     |                           |                          |                         |                                |
|   | LTE700 (Band 17) + WLAN       | 2-slot GPRS850 + WLAN     | WCDMA850 (band 5) + WLAN | LTE850 (Band 5) + WLAN  | WCDMA1700/2100 (Band 4) + WLAN |
| Body: Back facing phantom, Without Headset    | 0.511                         | 0.602                     | 0.718                    | 0.425                   | -                              |
| Body: Back facing phantom, Headset WH-108     | -                             | -                         | -                        | -                       | -                              |
| Body: Display facing phantom, Without Headset | -                             | -                         | -                        | -                       | -                              |
| Body: Display facing phantom, Headset WH-108  | -                             | -                         | -                        | -                       | -                              |
| Test configuration                            | Max. Reported* 1g SAR results |                           |                          |                         |                                |
|   | Antenna 2                     |                           |                          |                         |                                |
|   | LTE1700/ 2100 (Band 4) + WLAN | WCDMA1900 (Band 2) + WLAN | LTE 1900 (Band 2) + WLAN | LTE2500 (Band 7) + WLAN |                                |
| Body: Back facing phantom, Without Headset    | -                             | -                         | -                        | 0.515                   |                                |
| Body: Back facing phantom, Headset WH-108     | -                             | -                         | -                        | -                       |                                |
| Body: Display facing phantom, Without Headset | -                             | -                         | 0.601                    | -                       |                                |
| Body: Display facing phantom, Headset WH-108  | -                             | -                         | -                        | -                       |                                |

Some of the Combined SAR values in the above table are less than the maximum SAR values for the contributing cellular band. This is due to a) minimal overlap of the SAR distributions of the cellular band with WLAN2450 and b) uncertainties associated with the different methods of calculation. In these cases, the maximum SAR values given for the combined Modes in the Summary table in Section 1.2 are those for the individual cellular band.

**7.3 Body SAR assessment of Wireless Router mode at 10.0mm separation distance**

**LTE700 (Band 17) Wireless Router SAR results / Antenna 1**

| Mode                          | Test configuration              | SAR measurement | Measured 1g SAR [W/kg]   |                    |                    | Reported* 1g SAR [W/kg] |                    |                    | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|-------------------------------|---------------------------------|-----------------|--|--------------------|--------------------|-------------------------|--------------------|--------------------|---|--------|
|                               |                                 |                 | Ch 23780 709.0 MHz   | Ch 23790 710.0 MHz | Ch 23800 711.0 MHz | Ch 23780 709.0 MHz      | Ch 23790 710.0 MHz | Ch 23800 711.0 MHz |   |        |
| 10MHz Ch BW 1RB 0 % offset    | Tuning Target + Tolerance [dBm] |                 | 23.4   |                    |                    | Scaling factor*         |                    |                    |   |        |
|                               | Conducted Power [dBm]           |                 | 22.8   | 22.8               | 22.8               | 0.6                     | 0.6                | 0.6                | dB  |        |
|                               | Time-averaged power [dBm]       |                 | 22.8   | 22.8               | 22.8               | 1.15                    | 1.15               | 1.15               | Lin   |        |
|                               |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                    |                    |                         |                    |                    |   |        |
| 10MHz Ch BW 1RB 50 % offset   | Tuning Target + Tolerance [dBm] |                 | 23.4   |                    |                    | Scaling factor*         |                    |                    |   |        |
|                               | Conducted Power [dBm]           |                 | 22.9   | 22.9               | 22.8               | 0.5                     | 0.5                | 0.6                | dB  |        |
|                               | Time-averaged power [dBm]       |                 | 22.9   | 22.9               | 22.8               | 1.12                    | 1.12               | 1.15               | Lin   |        |
|                               |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                    |                    |                         |                    |                    |   |        |
| 10MHz Ch BW 1RB 100 % offset  | Tuning Target + Tolerance [dBm] |                 | 23.4   |                    |                    | Scaling factor*         |                    |                    |   |        |
|                               | Conducted Power [dBm]           |                 | 22.9   | 23.0               | 22.9               | 0.5                     | 0.4                | 0.5                | dB  |        |
|                               | Time-averaged power [dBm]       |                 | 22.9   | 23.0               | 22.9               | 1.12                    | 1.10               | 1.12               | Lin   |        |
|                               | Back facing phantom             | Estimated SAR   | -  | 0.204              | -                  | -                       | 0.224              | -                  | 0.00  | -      |
|                               |                                 | Full SAR        | -  | 0.201              | -                  | -                       | 0.220              | -                  |   |        |
|                               | Display facing phantom          | Estimated SAR   | -  | 0.189              | -                  | -                       | 0.207              | -                  | -   | -      |
|                               |                                 | Full SAR        | -  | -                  | -                  | -                       | -                  | -                  |   |        |
|                               | Top edge facing phantom         | Estimated SAR   | -  | 0.008              | -                  | -                       | 0.009              | -                  | -   | -      |
|                               |                                 | Full SAR        | -  | -                  | -                  | -                       | -                  | -                  |   |        |
|                               | Bottom edge facing phantom      | Estimated SAR   | -  | 0.190              | -                  | -                       | 0.208              | -                  | -   | -      |
|                               |                                 | Full SAR        | -  | -                  | -                  | -                       | -                  | -                  |   |        |
|                               | Left edge facing phantom        | Estimated SAR   | -  | 0.063              | -                  | -                       | 0.069              | -                  | -   | -      |
|                               |                                 | Full SAR        | -  | -                  | -                  | -                       | -                  | -                  |   |        |
|                               | Right edge facing phantom       | Estimated SAR   | -  | 0.203              | -                  | -                       | 0.223              | -                  | -   | -      |
| Full SAR                      |                                 | -               | -  | -                  | -                  | -                       | -                  |                    |   |        |
| CC-3085 Back facing phantom   | Estimated SAR                   | -               | 0.202  | -                  | -                  | 0.221                   | -                  | 0.00               | -   |        |
|                               | Full SAR                        | -               | 0.200  | -                  | -                  | 0.219                   | -                  |                    |   |        |
| 10MHz Ch BW 50% RB 0 % offset | Tuning Target + Tolerance [dBm] |                 | 22.4   |                    |                    | Scaling factor*         |                    |                    |   |        |
|                               | Conducted Power [dBm]           |                 | 21.9   | 21.9               | 21.9               | 0.5                     | 0.5                | 0.5                | dB  |        |
|                               | Time-averaged power [dBm]       |                 | 21.9   | 21.9               | 21.9               | 1.12                    | 1.12               | 1.12               | Lin   |        |
|                               |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                    |                    |                         |                    |                    |   |        |

(LTE700 (Band 17) WR SAR results / Antenna 1 Table continues)

(LTE700 (Band 17) WR SAR results / Antenna 1 Table continues)

| Mode                            | Test configuration              | SAR measurement | Measured 1g SAR [W/kg]   |                    |                    | Reported* 1g SAR [W/kg] |                    |                    | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|---------------------------------|---------------------------------|-----------------|--|--------------------|--------------------|-------------------------|--------------------|--------------------|---|--------|
|                                 |                                 |                 | Ch 23780 709.0 MHz   | Ch 23790 710.0 MHz | Ch 23800 711.0 MHz | Ch 23780 709.0 MHz      | Ch 23790 710.0 MHz | Ch 23800 711.0 MHz |   |        |
| 10MHz Ch BW 50% RB 50 % offset  | Tuning Target + Tolerance [dBm] |                 | 22.4   |                    |                    | Scaling factor*         |                    |                    |   |        |
|                                 | Conducted Power [dBm]           |                 | 22.0   | 21.9               | 21.9               | 0.4                     | 0.5                | 0.5                | dB  |        |
|                                 | Time-averaged power [dBm]       |                 | 22.0   | 21.9               | 21.9               | 1.10                    | 1.12               | 1.12               | Lin   |        |
|                                 |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                    |                    |                         |                    |                    |   |        |
| 10MHz Ch BW 50% RB 100 % offset | Tuning Target + Tolerance [dBm] |                 | 22.4   |                    |                    | Scaling factor*         |                    |                    |   |        |
|                                 | Conducted Power [dBm]           |                 | 22.0   | 21.9               | 21.9               | 0.4                     | 0.5                | 0.5                | dB  |        |
|                                 | Time-averaged power [dBm]       |                 | 22.0   | 21.9               | 21.9               | 1.10                    | 1.12               | 1.12               | Lin   |        |
|                                 | Back facing phantom             | Estimated SAR   | 0.189  | -                  | -                  | 0.207                   | -                  | -                  | -   | -      |
|                                 |                                 | Full SAR        | -  | -                  | -                  | -                       | -                  | -                  | -   | -      |
|                                 | Display facing phantom          | Estimated SAR   | 0.163  | -                  | -                  | 0.179                   | -                  | -                  | -   | -      |
|                                 |                                 | Full SAR        | -  | -                  | -                  | -                       | -                  | -                  | -   | -      |
|                                 | Top edge facing phantom         | Estimated SAR   | 0.005  | -                  | -                  | 0.006                   | -                  | -                  | -   | -      |
|                                 |                                 | Full SAR        | -  | -                  | -                  | -                       | -                  | -                  | -   | -      |
|                                 | Bottom edge facing phantom      | Estimated SAR   | 0.141  | -                  | -                  | 0.155                   | -                  | -                  | -   | -      |
|                                 |                                 | Full SAR        | -  | -                  | -                  | -                       | -                  | -                  | -   | -      |
|                                 | Left edge facing phantom        | Estimated SAR   | 0.065  | -                  | -                  | 0.072                   | -                  | -                  | -   | -      |
|                                 |                                 | Full SAR        | -  | -                  | -                  | -                       | -                  | -                  | -   | -      |
|                                 | Right edge facing phantom       | Estimated SAR   | 0.176  | -                  | -                  | 0.193                   | -                  | -                  | -   | -      |
|                                 |                                 | Full SAR        | -  | -                  | -                  | -                       | -                  | -                  | -   | -      |
| 10MHz Ch BW 100% RB             | Tuning Target + Tolerance [dBm] |                 | 22.4   |                    |                    | Scaling factor*         |                    |                    |   |        |
|                                 | Conducted Power [dBm]           |                 | 22.0   | 21.9               | 21.9               | 0.4                     | 0.5                | 0.5                | dB  |        |
|                                 | Time-averaged power [dBm]       |                 | 22.0   | 21.9               | 21.9               | 1.10                    | 1.12               | 1.12               | Lin   |        |
|                                 |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                    |                    |                         |                    |                    |   |        |

**LTE700 (Band 17) Wireless Router SAR results / Antenna 2**

| Mode   | Test configuration   | SAR measurement | Measured 1g SAR [W/kg] |                    |                    | Reported* 1g SAR [W/kg] |                    |                    | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--|--|-----------------|------------------------|--------------------|--------------------|-------------------------|--------------------|--------------------|---|--------|
|  |  |                 | Ch 23780 709.0 MHz     | Ch 23790 710.0 MHz | Ch 23800 711.0 MHz | Ch 23780 709.0 MHz      | Ch 23790 710.0 MHz | Ch 23800 711.0 MHz |   |        |
| 10MHz<br>Ch BW<br>1RB<br>0 %<br>offset       | Tuning Target + Tolerance [dBm]  |                 | 23.4                   |                    |                    | Scaling factor*         |                    |                    |   |        |
|  | Conducted Power [dBm]  |                 | 22.6                   | 22.6               | 22.6               | 0.8                     | 0.8                | 0.8                | dB  |        |
|  | Time-averaged power [dBm]  |                 | 22.6                   | 22.6               | 22.6               | 1.20                    | 1.20               | 1.20               | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                        |                    |                    |                         |                    |                    |   |        |
| 10MHz<br>Ch BW<br>1RB<br>50 %<br>offset      | Tuning Target + Tolerance [dBm]  |                 | 23.4                   |                    |                    | Scaling factor*         |                    |                    |   |        |
|  | Conducted Power [dBm]  |                 | 22.7                   | 22.7               | 22.6               | 0.7                     | 0.7                | 0.8                | dB  |        |
|  | Time-averaged power [dBm]  |                 | 22.7                   | 22.7               | 22.6               | 1.17                    | 1.17               | 1.20               | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                        |                    |                    |                         |                    |                    |   |        |
| 10MHz<br>Ch BW<br>1RB<br>100 %<br>offset     | Tuning Target + Tolerance [dBm]  |                 | 23.4                   |                    |                    | Scaling factor*         |                    |                    |   |        |
|  | Conducted Power [dBm]  |                 | 22.7                   | 22.8               | 22.7               | 0.7                     | 0.6                | 0.7                | dB  |        |
|  | Time-averaged power [dBm]  |                 | 22.7                   | 22.8               | 22.7               | 1.17                    | 1.15               | 1.17               | Lin   |        |
|  | Back facing phantom  | Estimated SAR   | -                      | 0.569              | -                  | -                       | 0.653              | -                  | 0.00  | 27     |
|  |  | Full SAR        | -                      | 0.571              | -                  | -                       | 0.656              | -                  |   |        |
|  | Display facing phantom   | Estimated SAR   | -                      | 0.460              | -                  | -                       | 0.528              | -                  | -   | -      |
|  |  | Full SAR        | -                      | -                  | -                  | -                       | -                  | -                  |   |        |
|  | Top edge facing phantom  | Estimated SAR   | -                      | 0.019              | -                  | -                       | 0.022              | -                  | -   | -      |
|  |  | Full SAR        | -                      | -                  | -                  | -                       | -                  | -                  |   |        |
|  | Bottom edge facing phantom   | Estimated SAR   | -                      | 0.217              | -                  | -                       | 0.249              | -                  | -   | -      |
|  |  | Full SAR        | -                      | -                  | -                  | -                       | -                  | -                  |   |        |
|  | Left edge facing phantom   | Estimated SAR   | -                      | 0.433              | -                  | -                       | 0.497              | -                  | -   | -      |
|  |  | Full SAR        | -                      | -                  | -                  | -                       | -                  | -                  |   |        |
|  | Right edge facing phantom  | Estimated SAR   | -                      | 0.263              | -                  | -                       | 0.302              | -                  | -   | -      |
| Full SAR                                     |  | -               | -                      | -                  | -                  | -                       | -                  |                    |   |        |
| CC-3085 Back facing phantom                  | Estimated SAR  | -               | 0.507                  | -                  | -                  | 0.582                   | -                  | 0.00               | -   |        |
|  | Full SAR   | -               | 0.515                  | -                  | -                  | 0.591                   | -                  |                    |   |        |
| 10MHz<br>Ch BW<br>50%<br>RB<br>0 %<br>offset | Tuning Target + Tolerance [dBm]  |                 | 22.4                   |                    |                    | Scaling factor*         |                    |                    |   |        |
|  | Conducted Power [dBm]  |                 | 21.7                   | 21.7               | 21.7               | 0.7                     | 0.7                | 0.7                | dB  |        |
|  | Time-averaged power [dBm]  |                 | 21.7                   | 21.7               | 21.7               | 1.17                    | 1.17               | 1.17               | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                        |                    |                    |                         |                    |                    |   |        |

(LTE700 (Band 17) WR SAR results / Antenna 2 Table continues)

(LTE700 (Band 17) WR SAR results / Antenna 2 Table continues)

| Mode                            | Test configuration              | SAR measurement | Measured 1g SAR [W/kg]   |                    |                    | Reported* 1g SAR [W/kg] |                    |                    | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|---------------------------------|---------------------------------|-----------------|--|--------------------|--------------------|-------------------------|--------------------|--------------------|---|--------|
|                                 |                                 |                 | Ch 23780 709.0 MHz   | Ch 23790 710.0 MHz | Ch 23800 711.0 MHz | Ch 23780 709.0 MHz      | Ch 23790 710.0 MHz | Ch 23800 711.0 MHz |   |        |
| 10MHz Ch BW 50% RB 50 % offset  | Tuning Target + Tolerance [dBm] |                 | 22.4   |                    |                    | Scaling factor*         |                    |                    |   |        |
|                                 | Conducted Power [dBm]           |                 | 21.8   | 21.7               | 21.7               | 0.6                     | 0.7                | 0.7                | dB  |        |
|                                 | Time-averaged power [dBm]       |                 | 21.8   | 21.7               | 21.7               | 1.15                    | 1.17               | 1.17               | Lin   |        |
|                                 |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                    |                    |                         |                    |                    |   |        |
| 10MHz Ch BW 50% RB 100 % offset | Tuning Target + Tolerance [dBm] |                 | 22.4   |                    |                    | Scaling factor*         |                    |                    |   |        |
|                                 | Conducted Power [dBm]           |                 | 21.8   | 21.7               | 21.7               | 0.6                     | 0.7                | 0.7                | dB  |        |
|                                 | Time-averaged power [dBm]       |                 | 21.8   | 21.7               | 21.7               | 1.15                    | 1.17               | 1.17               | Lin   |        |
|                                 | Back facing phantom             | Estimated SAR   | 0.460  | -                  | -                  | 0.528                   | -                  | -                  | -   | -      |
|                                 |                                 | Full SAR        | -  | -                  | -                  | -                       | -                  | -                  | -   | -      |
|                                 | Display facing phantom          | Estimated SAR   | 0.371  | -                  | -                  | 0.426                   | -                  | -                  | -   | -      |
|                                 |                                 | Full SAR        | -  | -                  | -                  | -                       | -                  | -                  | -   | -      |
|                                 | Top edge facing phantom         | Estimated SAR   | 0.016  | -                  | -                  | 0.018                   | -                  | -                  | -   | -      |
|                                 |                                 | Full SAR        | -  | -                  | -                  | -                       | -                  | -                  | -   | -      |
|                                 | Bottom edge facing phantom      | Estimated SAR   | 0.167  | -                  | -                  | 0.192                   | -                  | -                  | -   | -      |
|                                 |                                 | Full SAR        | -  | -                  | -                  | -                       | -                  | -                  | -   | -      |
|                                 | Left edge facing phantom        | Estimated SAR   | 0.345  | -                  | -                  | 0.396                   | -                  | -                  | -   | -      |
|                                 |                                 | Full SAR        | -  | -                  | -                  | -                       | -                  | -                  | -   | -      |
|                                 | Right edge facing phantom       | Estimated SAR   | 0.205  | -                  | -                  | 0.235                   | -                  | -                  | -   | -      |
| Full SAR                        |                                 | -               | -  | -                  | -                  | -                       | -                  | -                  | -   |        |
| 10MHz Ch BW 100% RB             | Tuning Target + Tolerance [dBm] |                 | 22.4   |                    |                    | Scaling factor*         |                    |                    |   |        |
|                                 | Conducted Power [dBm]           |                 | 21.8   | 21.7               | 21.7               | 0.6                     | 0.7                | 0.7                | dB  |        |
|                                 | Time-averaged power [dBm]       |                 | 21.8   | 21.7               | 21.7               | 1.15                    | 1.17               | 1.17               | Lin   |        |
|                                 |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                    |                    |                         |                    |                    |   |        |

**GSM/GPRS/EGPRS/WCDMA 850MHz Wireless Router SAR results / Antenna 2**

| Mode                        | Device orientation                               | SAR measurement | Measured 1g SAR [W/kg] |                        |                        | Reported* 1g SAR [W/kg] |                        |                        | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|-----------------------------|--|-----------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|---|--------|
|                             |  |                 | Ch 128<br>824.2<br>MHz | Ch 190<br>836.6<br>MHz | Ch 251<br>848.8<br>MHz | Ch 128<br>824.2<br>MHz  | Ch 190<br>836.6<br>MHz | Ch 251<br>848.8<br>MHz |   |        |
| 1-slot<br>GPRS              | Tuning Target + Tolerance [dBm]                  |                 | 32.6                   |                        |                        | Scaling factor*         |                        |                        |   |        |
|                             | Conducted Slot Average Power [dBm]               |                 | 31.7                   | 31.9                   | 31.9                   | 0.9                     | 0.7                    | 0.7                    | dB  |        |
|                             | Time-averaged power [dBm]                        |                 | 22.7                   | 22.9                   | 22.9                   | 1.23                    | 1.17                   | 1.17                   | Lin   |        |
|                             | No testing required for this slot configuration. |                 |                        |                        |                        |                         |                        |                        |   |        |
| 2-slot<br>GPRS              | Tuning Target + Tolerance [dBm]                  |                 | 29.7                   |                        |                        | Scaling factor*         |                        |                        |   |        |
|                             | Conducted Slot Average Power [dBm]               |                 | 29.2                   | 29.4                   | 29.4                   | 0.5                     | 0.3                    | 0.3                    | dB  |        |
|                             | Time-averaged power [dBm]                        |                 | 23.2                   | 23.4                   | 23.4                   | 1.12                    | 1.07                   | 1.07                   | Lin   |        |
|                             | Back facing phantom                              | Estimated SAR   | 0.608                  | 0.538                  | 0.521                  | 0.682                   | 0.576                  | 0.558                  | 0.02  | -      |
|                             |  | Full SAR        | 0.627                  | -                      | -                      | 0.704                   | -                      | -                      |   |        |
|                             | Display facing phantom                           | Estimated SAR   | -                      | 0.472                  | -                      | -                       | 0.506                  | -                      | -   | -      |
|                             |  | Full SAR        | -                      | 0.524                  | -                      | -                       | 0.561                  | -                      |   |        |
|                             | Top edge facing phantom                          | Estimated SAR   | -                      | 0.019                  | -                      | -                       | 0.020                  | -                      | -   | -      |
|                             |  | Full SAR        | -                      | -                      | -                      | -                       | -                      | -                      |   |        |
|                             | Bottom edge facing phantom                       | Estimated SAR   | -                      | 0.319                  | -                      | -                       | 0.342                  | -                      | -   | -      |
|                             |  | Full SAR        | -                      | -                      | -                      | -                       | -                      | -                      |   |        |
|                             | Left edge facing phantom                         | Estimated SAR   | -                      | 0.467                  | -                      | -                       | 0.500                  | -                      | -   | -      |
|                             |  | Full SAR        | -                      | -                      | -                      | -                       | -                      | -                      |   |        |
|                             | Right edge facing phantom                        | Estimated SAR   | -                      | 0.284                  | -                      | -                       | 0.304                  | -                      | -   | -      |
| Full SAR                    |  | -               | -                      | -                      | -                      | -                       | -                      |                        |   |        |
| CC-3085 Back facing phantom |  | 0.670           | 0.621                  | 0.570                  | 0.752                  | 0.665                   | 0.611                  | 0.02                   | 28  |        |
|                             |  | 0.689           | -                      | -                      | 0.773                  | -                       | -                      |                        |   |        |
| 3-slot<br>GPRS              | Tuning Target + Tolerance [dBm]                  |                 | 27.9                   |                        |                        | Scaling factor*         |                        |                        |   |        |
|                             | Conducted Slot Average Power [dBm]               |                 | 27.1                   | 27.4                   | 27.4                   | 0.8                     | 0.5                    | 0.5                    | dB  |        |
|                             | Time-averaged power [dBm]                        |                 | 22.8                   | 23.1                   | 23.1                   | 1.20                    | 1.12                   | 1.12                   | Lin   |        |
|                             | No testing required for this slot configuration. |                 |                        |                        |                        |                         |                        |                        |   |        |
| 4-slot<br>GPRS              | Tuning Target + Tolerance [dBm]                  |                 | 26.7                   |                        |                        | Scaling factor*         |                        |                        |   |        |
|                             | Conducted Slot Average Power [dBm]               |                 | 25.8                   | 26.0                   | 25.9                   | 0.9                     | 0.7                    | 0.8                    | dB  |        |
|                             | Time-averaged power [dBm]                        |                 | 22.8                   | 23.0                   | 22.9                   | 1.23                    | 1.17                   | 1.20                   | Lin   |        |
|                             | No testing required for this slot configuration. |                 |                        |                        |                        |                         |                        |                        |   |        |

(GSM/GPRS/EGPRS/WCDMA 850MHz WR SAR / Antenna 2 Table continues)



(GSM/GPRS/EGPRS/WCDMA 850MHz WR SAR / Antenna 2 Table continues)

| Mode     | Device orientation              | SAR measurement | Measured 1g SAR [W/kg] |                      |                      | Reported* 1g SAR [W/kg] |                      |                      | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|----------|---------------------------------|-----------------|------------------------|----------------------|----------------------|-------------------------|----------------------|----------------------|---|--------|
|          |                                 |                 | Ch 4132<br>826.4 MHz   | Ch 4175<br>835.0 MHz | Ch 4233<br>846.6 MHz | Ch 4132<br>826.4 MHz    | Ch 4175<br>835.0 MHz | Ch 4233<br>846.6 MHz |   |        |
| WCDMA    | Tuning Target + Tolerance [dBm] |                 | 23.9                   |                      |                      | Scaling factor*         |                      |                      |   |        |
|          | Conducted Power [dBm]           |                 | 23.1                   | 23.1                 | 23.2                 | 0.8                     | 0.8                  | 0.7                  | dB  |        |
|          | Time-averaged power [dBm]       |                 | 23.1                   | 23.1                 | 23.2                 | 1.20                    | 1.20                 | 1.17                 | Lin   |        |
|          | Back facing phantom             | Estimated SAR   | 0.681                  | 0.663                | 0.630                | 0.819                   | 0.797                | 0.740                | 0.02  | -      |
|          |                                 | Full SAR        | 0.698                  | -                    | -                    | 0.839                   | -                    | -                    |   |        |
|          | Display facing phantom          | Estimated SAR   | -                      | 0.585                | -                    | -                       | 0.703                | -                    | 0.01  | -      |
|          |                                 | Full SAR        | -                      | 0.596                | -                    | -                       | 0.717                | -                    |   |        |
|          | Top edge facing phantom         | Estimated SAR   | -                      | 0.023                | -                    | -                       | 0.028                | -                    | -   | -      |
|          |                                 | Full SAR        | -                      | -                    | -                    | -                       | -                    | -                    |   |        |
|          | Bottom edge facing phantom      | Estimated SAR   | -                      | 0.339                | -                    | -                       | 0.408                | -                    | -   | -      |
|          |                                 | Full SAR        | -                      | -                    | -                    | -                       | -                    | -                    |   |        |
|          | Left edge facing phantom        | Estimated SAR   | -                      | 0.552                | -                    | -                       | 0.664                | -                    | -   | -      |
|          |                                 | Full SAR        | -                      | -                    | -                    | -                       | -                    | -                    |   |        |
|          | Right edge facing phantom       | Estimated SAR   | -                      | 0.354                | -                    | -                       | 0.426                | -                    | -   | -      |
|          |                                 | Full SAR        | -                      | -                    | -                    | -                       | -                    | -                    |   |        |
|          | CC-3085 Back facing phantom     | Estimated SAR   | 0.716                  | 0.700                | 0.653                | 0.861                   | 0.842                | 0.767                | 0.00  | 29     |
| Full SAR |                                 | 0.716           | -                      | -                    | <b>0.861</b>         | -                       | -                    |                      |   |        |

**WCDMA850 (Band 5) Wireless Router SAR results / Antenna 1**

| Mode     | Device orientation              | SAR measurement | Measured 1g SAR [W/kg] |                      |                      | Reported* 1g SAR [W/kg] |                      |                      | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|----------|---------------------------------|-----------------|------------------------|----------------------|----------------------|-------------------------|----------------------|----------------------|---|--------|
|          |                                 |                 | Ch 4132<br>826.4 MHz   | Ch 4175<br>835.0 MHz | Ch 4233<br>846.6 MHz | Ch 4132<br>826.4 MHz    | Ch 4175<br>835.0 MHz | Ch 4233<br>846.6 MHz |   |        |
| WCDMA    | Tuning Target + Tolerance [dBm] |                 | 23.9                   |                      |                      | Scaling factor*         |                      |                      |   |        |
|          | Conducted Power [dBm]           |                 | 23.3                   | 23.3                 | 23.4                 | 0.6                     | 0.6                  | 0.5                  | dB  |        |
|          | Time-averaged power [dBm]       |                 | 23.3                   | 23.3                 | 23.4                 | 1.15                    | 1.15                 | 1.12                 | Lin   |        |
|          | Back facing phantom             | Estimated SAR   | -                      | 0.246                | -                    | -                       | 0.282                | -                    | -   | -      |
|          |                                 | Full SAR        | -                      | -                    | -                    | -                       | -                    | -                    | -   | -      |
|          | Display facing phantom          | Estimated SAR   | -                      | 0.271                | -                    | -                       | 0.311                | -                    | -   | -      |
|          |                                 | Full SAR        | -                      | -                    | -                    | -                       | -                    | -                    | -   | -      |
|          | Top edge facing phantom         | Estimated SAR   | -                      | 0.025                | -                    | -                       | 0.028                | -                    | -   | -      |
|          |                                 | Full SAR        | -                      | -                    | -                    | -                       | -                    | -                    | -   | -      |
|          | Bottom edge facing phantom      | Estimated SAR   | 0.379                  | 0.395                | 0.307                | 0.435                   | 0.454                | 0.344                | 0.01  | -      |
|          |                                 | Full SAR        | -                      | 0.387                | -                    | -                       | 0.444                | -                    | -   | -      |
|          | Left edge facing phantom        | Estimated SAR   | -                      | 0.041                | -                    | -                       | 0.047                | -                    | -   | -      |
|          |                                 | Full SAR        | -                      | -                    | -                    | -                       | -                    | -                    | -   | -      |
|          | Right edge facing phantom       | Estimated SAR   | -                      | 0.224                | -                    | -                       | 0.257                | -                    | -   | -      |
|          |                                 | Full SAR        | -                      | -                    | -                    | -                       | -                    | -                    | -   | -      |
|          | CC-3085 Bottom facing phantom   | Estimated SAR   | 0.354                  | 0.346                | 0.320                | 0.406                   | 0.397                | 0.359                | 0.02  | -      |
| Full SAR |                                 | 0.338           | -                      | -                    | 0.388                | -                       | -                    | -                    | -   |        |

**LTE850 (Band 5) Wireless Router SAR results / Antenna 1**

| Mode                                     | Test configuration   | SAR measurement | Measured 1g SAR [W/kg]   |                          |                          | Reported* 1g SAR [W/kg]  |                          |                          | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--|--|-----------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|--------|
|  |  |                 | Ch 20450<br>829.0<br>MHz | Ch 20525<br>836.5<br>MHz | Ch 20600<br>844.0<br>MHz | Ch 20450<br>829.0<br>MHz | Ch 20525<br>836.5<br>MHz | Ch 20600<br>844.0<br>MHz |   |        |
| 10MHz<br>Ch BW<br>1RB<br>0 %<br>offset   | Tuning Target + Tolerance [dBm]  |                 | 23.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|  | Conducted Power [dBm]  |                 | 22.9                     | 22.9                     | 22.9                     | 0.5                      | 0.5                      | 0.5                      | dB  |        |
|  | Time-averaged power [dBm]  |                 | 22.9                     | 22.9                     | 22.9                     | 1.12                     | 1.12                     | 1.12                     | Lin   |        |
|  | Back facing phantom  | Estimated SAR   | -                        | 0.436                    | -                        | -                        | 0.489                    | -                        | 0.00  | 30     |
|  |  | Full SAR        | -                        | 0.434                    | -                        | -                        | <b>0.487</b>             | -                        |   |        |
|  | Display facing phantom   | Estimated SAR   | -                        | 0.370                    | -                        | -                        | 0.415                    | -                        | -   | -      |
|  |  | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
|  | Top edge facing phantom  | Estimated SAR   | -                        | 0.025                    | -                        | -                        | 0.028                    | -                        | -   | -      |
|  |  | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
|  | Bottom edge facing phantom   | Estimated SAR   | -                        | 0.118                    | -                        | -                        | 0.132                    | -                        | -   | -      |
|  |  | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
|  | Left edge facing phantom   | Estimated SAR   | -                        | 0.179                    | -                        | -                        | 0.201                    | -                        | -   | -      |
| Full SAR                                 |  | -               | -                        | -                        | -                        | -                        | -                        |                          |   |        |
| Right edge facing phantom                | Estimated SAR  | -               | 0.411                    | -                        | -                        | 0.461                    | -                        | -                        | -   |        |
|  | Full SAR   | -               | -                        | -                        | -                        | -                        | -                        |                          |   |        |
| CC-3085<br>Back facing phantom           | Estimated SAR  | -               | 0.419                    | -                        | -                        | 0.470                    | -                        | 0.01                     | -   |        |
|  | Full SAR   | -               | 0.424                    | -                        | -                        | 0.476                    | -                        |                          |   |        |
| 10MHz<br>Ch BW<br>1RB<br>50 %<br>offset  | Tuning Target + Tolerance [dBm]  |                 | 23.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|  | Conducted Power [dBm]  |                 | 22.9                     | 22.9                     | 22.9                     | 0.5                      | 0.5                      | 0.5                      | dB  |        |
|  | Time-averaged power [dBm]  |                 | 22.9                     | 22.9                     | 22.9                     | 1.12                     | 1.12                     | 1.12                     | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                          |                          |                          |                          |                          |                          |   |        |
| 10MHz<br>Ch BW<br>1RB<br>100 %<br>offset | Tuning Target + Tolerance [dBm]  |                 | 23.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|  | Conducted Power [dBm]  |                 | 22.9                     | 22.9                     | 22.8                     | 0.5                      | 0.5                      | 0.6                      | dB  |        |
|  | Time-averaged power [dBm]  |                 | 22.9                     | 22.9                     | 22.8                     | 1.12                     | 1.12                     | 1.15                     | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                          |                          |                          |                          |                          |                          |   |        |

(LTE850 (Band 5) WR SAR / Antenna 1 Table continues)

(LTE850 (Band 5) WR SAR / Antenna 1 Table continues)

| Mode  | Test configuration   | SAR measurement | Measured 1g SAR [W/kg]   |                          |                          | Reported* 1g SAR [W/kg]  |                          |                          | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|---|--|-----------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|--------|
|   |  |                 | Ch 20450<br>829.0<br>MHz | Ch 20525<br>836.5<br>MHz | Ch 20600<br>844.0<br>MHz | Ch 20450<br>829.0<br>MHz | Ch 20525<br>836.5<br>MHz | Ch 20600<br>844.0<br>MHz |   |        |
| 10MHz<br>Ch BW<br>50%RB<br>0 %<br>offset    | Tuning Target + Tolerance [dBm]  |                 | 22.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|   | Conducted Power [dBm]  |                 | 22.0                     | 21.9                     | 21.9                     | 0.4                      | 0.5                      | 0.5                      | dB  |        |
|   | Time-averaged power [dBm]  |                 | 22.0                     | 21.9                     | 21.9                     | 1.10                     | 1.12                     | 1.12                     | Lin   |        |
|   | Back facing phantom  | Estimated SAR   | 0.346                    | -                        | -                        | 0.379                    | -                        | -                        | -   | -      |
|   |  | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        | -   | -      |
|   | Display facing phantom   | Estimated SAR   | 0.294                    | -                        | -                        | 0.322                    | -                        | -                        | -   | -      |
|   |  | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        | -   | -      |
|   | Top edge facing phantom  | Estimated SAR   | 0.020                    | -                        | -                        | 0.022                    | -                        | -                        | -   | -      |
|   |  | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        | -   | -      |
|   | Bottom edge facing phantom   | Estimated SAR   | 0.103                    | -                        | -                        | 0.113                    | -                        | -                        | -   | -      |
|   |  | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        | -   | -      |
|   | Left edge facing phantom   | Estimated SAR   | 0.136                    | -                        | -                        | 0.149                    | -                        | -                        | -   | -      |
| Full SAR                                    |  | -               | -                        | -                        | -                        | -                        | -                        | -                        | -   |        |
| Right edge facing phantom                   | Estimated SAR  | 0.334           | -                        | -                        | 0.366                    | -                        | -                        | -                        | -   |        |
|   | Full SAR   | -               | -                        | -                        | -                        | -                        | -                        | -                        | -   |        |
| 10MHz<br>Ch BW<br>50% RB<br>50 %<br>offset  | Tuning Target + Tolerance [dBm]  |                 | 22.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|   | Conducted Power [dBm]  |                 | 22.0                     | 21.9                     | 21.9                     | 0.4                      | 0.5                      | 0.5                      | dB  |        |
|   | Time-averaged power [dBm]  |                 | 22.0                     | 21.9                     | 21.9                     | 1.10                     | 1.12                     | 1.12                     | Lin   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                          |                          |                          |                          |                          |                          |   |        |
| 10MHz<br>Ch BW<br>50% RB<br>100 %<br>offset | Tuning Target + Tolerance [dBm]  |                 | 22.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|   | Conducted Power [dBm]  |                 | 22.0                     | 21.9                     | 21.9                     | 0.4                      | 0.5                      | 0.5                      | dB  |        |
|   | Time-averaged power [dBm]  |                 | 22.0                     | 21.9                     | 21.9                     | 1.10                     | 1.12                     | 1.12                     | Lin   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                          |                          |                          |                          |                          |                          |   |        |
| 10MHz<br>Ch BW<br>100%<br>RB                | Tuning Target + Tolerance [dBm]  |                 | 22.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|   | Conducted Power [dBm]  |                 | 22.0                     | 22.0                     | 22.0                     | 0.4                      | 0.4                      | 0.4                      | dB  |        |
|   | Time-averaged power [dBm]  |                 | 22.0                     | 22.0                     | 22.0                     | 1.10                     | 1.10                     | 1.10                     | Lin   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                          |                          |                          |                          |                          |                          |   |        |

**LTE850 (Band 5) Wireless Router SAR results / Antenna 2**

| Mode                                     | Test configuration   | SAR measurement | Measured 1g SAR [W/kg]   |                          |                          | Reported* 1g SAR [W/kg]  |                          |                          | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--|--|-----------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|--------|
|  |  |                 | Ch 20450<br>829.0<br>MHz | Ch 20525<br>836.5<br>MHz | Ch 20600<br>844.0<br>MHz | Ch 20450<br>829.0<br>MHz | Ch 20525<br>836.5<br>MHz | Ch 20600<br>844.0<br>MHz |   |        |
| 10MHz<br>Ch BW<br>1RB<br>0 %<br>offset   | Tuning Target + Tolerance [dBm]  |                 | 23.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|  | Conducted Power [dBm]  |                 | 22.7                     | 22.7                     | 22.7                     | 0.7                      | 0.7                      | 0.7                      | dB  |        |
|  | Time-averaged power [dBm]  |                 | 22.7                     | 22.7                     | 22.7                     | 1.17                     | 1.17                     | 1.17                     | Lin   |        |
|  | Back facing phantom  | Estimated SAR   | -                        | 0.324                    | -                        | -                        | 0.381                    | -                        | -   | -      |
|  |  | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        | -   | -      |
|  | Display facing phantom   | Estimated SAR   | -                        | 0.378                    | -                        | -                        | 0.444                    | -                        | -   | -      |
|  |  | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        | -   | -      |
|  | Top edge facing phantom  | Estimated SAR   | -                        | 0.014                    | -                        | -                        | 0.016                    | -                        | -   | -      |
|  |  | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        | -   | -      |
|  | Bottom edge facing phantom   | Estimated SAR   | -                        | 0.389                    | -                        | -                        | 0.457                    | -                        | 0.00  | -      |
|  |  | Full SAR        | -                        | 0.388                    | -                        | -                        | 0.456                    | -                        | -   | -      |
| Left edge facing phantom                 | Estimated SAR  | -               | 0.294                    | -                        | -                        | 0.345                    | -                        | -                        | -   |        |
|  | Full SAR   | -               | -                        | -                        | -                        | -                        | -                        | -                        | -   |        |
| Right edge facing phantom                | Estimated SAR  | -               | 0.142                    | -                        | -                        | 0.167                    | -                        | -                        | -   |        |
|  | Full SAR   | -               | -                        | -                        | -                        | -                        | -                        | -                        | -   |        |
| CC-3085<br>Bottom facing phantom         | Estimated SAR  | -               | 0.405                    | -                        | -                        | 0.476                    | -                        | 0.02                     | -   |        |
|  | Full SAR   | -               | 0.387                    | -                        | -                        | 0.455                    | -                        | -                        | -   |        |
| 10MHz<br>Ch BW<br>1RB<br>50 %<br>offset  | Tuning Target + Tolerance [dBm]  |                 | 23.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|  | Conducted Power [dBm]  |                 | 22.7                     | 22.7                     | 22.7                     | 0.7                      | 0.7                      | 0.7                      | dB  |        |
|  | Time-averaged power [dBm]  |                 | 22.7                     | 22.7                     | 22.7                     | 1.17                     | 1.17                     | 1.17                     | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                          |                          |                          |                          |                          |                          |   |        |
| 10MHz<br>Ch BW<br>1RB<br>100 %<br>offset | Tuning Target + Tolerance [dBm]  |                 | 23.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|  | Conducted Power [dBm]  |                 | 22.7                     | 22.7                     | 22.6                     | 0.7                      | 0.7                      | 0.8                      | dB  |        |
|  | Time-averaged power [dBm]  |                 | 22.7                     | 22.7                     | 22.6                     | 1.17                     | 1.17                     | 1.20                     | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                          |                          |                          |                          |                          |                          |   |        |

(LTE850 (Band 5) WR SAR / Antenna 2 Table continues)

(LTE850 (Band 5) WR SAR / Antenna 2 Table continues)

| Mode  | Test configuration   | SAR measurement | Measured 1g SAR [W/kg]   |                          |                          | Reported* 1g SAR [W/kg]  |                          |                          | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|---|--|-----------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|--------|
|   |  |                 | Ch 20450<br>829.0<br>MHz | Ch 20525<br>836.5<br>MHz | Ch 20600<br>844.0<br>MHz | Ch 20450<br>829.0<br>MHz | Ch 20525<br>836.5<br>MHz | Ch 20600<br>844.0<br>MHz |   |        |
| 10MHz<br>Ch BW<br>50%RB<br>0 %<br>offset    | Tuning Target + Tolerance [dBm]  |                 | 22.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|   | Conducted Power [dBm]  |                 | 21.8                     | 21.7                     | 21.7                     | 0.6                      | 0.7                      | 0.7                      | dB  |        |
|   | Time-averaged power [dBm]  |                 | 21.8                     | 21.7                     | 21.7                     | 1.15                     | 1.17                     | 1.17                     | Lin   |        |
|   | Back facing phantom  | Estimated SAR   | 0.297                    | -                        | -                        | 0.341                    | -                        | -                        | -   | -      |
|   |  | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        | -   | -      |
|   | Display facing phantom   | Estimated SAR   | 0.324                    | -                        | -                        | 0.372                    | -                        | -                        | -   | -      |
|   |  | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        | -   | -      |
|   | Top edge facing phantom  | Estimated SAR   | 0.011                    | -                        | -                        | 0.013                    | -                        | -                        | -   | -      |
|   |  | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        | -   | -      |
|   | Bottom edge facing phantom   | Estimated SAR   | 0.324                    | -                        | -                        | 0.372                    | -                        | -                        | -   | -      |
|   |  | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        | -   | -      |
|   | Left edge facing phantom   | Estimated SAR   | 0.257                    | -                        | -                        | 0.295                    | -                        | -                        | -   | -      |
| Full SAR                                    |  | -               | -                        | -                        | -                        | -                        | -                        | -                        | -   |        |
| Right edge facing phantom                   | Estimated SAR  | 0.144           | -                        | -                        | 0.165                    | -                        | -                        | -                        | -   |        |
|   | Full SAR   | -               | -                        | -                        | -                        | -                        | -                        | -                        | -   |        |
| 10MHz<br>Ch BW<br>50% RB<br>50 %<br>offset  | Tuning Target + Tolerance [dBm]  |                 | 22.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|   | Conducted Power [dBm]  |                 | 21.8                     | 21.7                     | 21.7                     | 0.6                      | 0.7                      | 0.7                      | dB  |        |
|   | Time-averaged power [dBm]  |                 | 21.8                     | 21.7                     | 21.7                     | 1.15                     | 1.17                     | 1.17                     | Lin   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                          |                          |                          |                          |                          |                          |   |        |
| 10MHz<br>Ch BW<br>50% RB<br>100 %<br>offset | Tuning Target + Tolerance [dBm]  |                 | 22.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|   | Conducted Power [dBm]  |                 | 21.8                     | 21.7                     | 21.7                     | 0.6                      | 0.7                      | 0.7                      | dB  |        |
|   | Time-averaged power [dBm]  |                 | 21.8                     | 21.7                     | 21.7                     | 1.15                     | 1.17                     | 1.17                     | Lin   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                          |                          |                          |                          |                          |                          |   |        |
| 10MHz<br>Ch BW<br>100%<br>RB                | Tuning Target + Tolerance [dBm]  |                 | 22.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|   | Conducted Power [dBm]  |                 | 21.8                     | 21.8                     | 21.8                     | 0.6                      | 0.6                      | 0.6                      | dB  |        |
|   | Time-averaged power [dBm]  |                 | 21.8                     | 21.8                     | 21.8                     | 1.15                     | 1.15                     | 1.15                     | Lin   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                          |                          |                          |                          |                          |                          |   |        |

**WCDMA1700/2100 Wireless Router SAR results / Antenna 1**

| Mode                             | Device orientation              | SAR measurement | Measured 1g SAR [W/kg]   |                          |                          | Reported* 1g SAR [W/kg]  |                          |                          | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|----------------------------------|---------------------------------|-----------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|--------|
|                                  |                                 |                 | Ch 1312<br>1712.4<br>MHz | Ch 1412<br>1732.4<br>MHz | Ch 1513<br>1752.6<br>MHz | Ch 1312<br>1712.4<br>MHz | Ch 1412<br>1732.4<br>MHz | Ch 1513<br>1752.6<br>MHz |   |        |
| WCDMA                            | Tuning Target + Tolerance [dBm] |                 | 22.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|                                  | Conducted Power [dBm]           |                 | 21.7                     | 21.9                     | 22.0                     | 0.7                      | 0.5                      | 0.4                      | dB  |        |
|                                  | Time-averaged power [dBm]       |                 | 21.7                     | 21.9                     | 22.0                     | 1.17                     | 1.12                     | 1.10                     | Lin   |        |
|                                  | Back facing phantom             | Estimated SAR   | 0.809                    | 0.794                    | 0.797                    | 0.950                    | 0.891                    | 0.874                    | 0.01  | -      |
|                                  |                                 | Full SAR        | 0.820                    | -                        | -                        | 0.963                    | -                        | -                        |   |        |
|                                  | Display facing phantom          | Estimated SAR   | 0.725                    | 0.744                    | 0.739                    | 0.852                    | 0.835                    | 0.810                    | 0.05  | -      |
|                                  |                                 | Full SAR        | 0.675                    | -                        | -                        | 0.793                    | -                        | -                        |   |        |
|                                  | Top edge facing phantom         | Estimated SAR   | -                        | 0.061                    | -                        | -                        | 0.068                    | -                        | -   | -      |
|                                  |                                 | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
|                                  | Bottom edge facing phantom      | Estimated SAR   | -                        | 0.546                    | -                        | -                        | 0.613                    | -                        | -   | -      |
|                                  |                                 | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
|                                  | Left edge facing phantom        | Estimated SAR   | -                        | 0.081                    | -                        | -                        | 0.091                    | -                        | -   | -      |
|                                  |                                 | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
|                                  | Right edge facing phantom       | Estimated SAR   | -                        | 0.219                    | -                        | -                        | 0.246                    | -                        | -   | -      |
|                                  |                                 | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
| CC-3085 Back facing phantom      | Estimated SAR                   | 0.768           | 0.789                    | 0.786                    | 0.902                    | 0.885                    | 0.862                    | 0.01                     | -   |        |
|                                  | Full SAR                        | 0.779           | -                        | -                        | 0.915                    | -                        | -                        |                          |   |        |
| Repeated SAR Back facing phantom | Estimated SAR                   | 0.794           | -                        | -                        | 0.933                    | -                        | -                        | 0.04                     | -   |        |
|                                  | Full SAR                        | 0.833           | -                        | -                        | 0.979                    | -                        | -                        |                          |   |        |

**WCDMA1700/2100 Wireless Router SAR results / Antenna 2**

| Mode                        | Device orientation              | SAR measurement | Measured 1g SAR [W/kg]   |                          |                          | Reported* 1g SAR [W/kg]  |                          |                          | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|-----------------------------|---------------------------------|-----------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|--------|
|                             |                                 |                 | Ch 1312<br>1712.4<br>MHz | Ch 1412<br>1732.4<br>MHz | Ch 1513<br>1752.6<br>MHz | Ch 1312<br>1712.4<br>MHz | Ch 1412<br>1732.4<br>MHz | Ch 1513<br>1752.6<br>MHz |   |        |
| WCDMA                       | Tuning Target + Tolerance [dBm] |                 | 22.4                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|                             | Conducted Power [dBm]           |                 | 21.2                     | 21.4                     | 21.5                     | 1.2                      | 1.0                      | 0.9                      | dB  |        |
|                             | Time-averaged power [dBm]       |                 | 21.2                     | 21.4                     | 21.5                     | 1.32                     | 1.26                     | 1.23                     | Lin   |        |
|                             | Back facing phantom             | Estimated SAR   | 0.775                    | 0.753                    | 0.717                    | 1.02                     | 0.948                    | 0.882                    | 0.02  | -      |
|                             |                                 | Full SAR        | 0.756                    | -                        | -                        | 0.997                    | -                        | -                        |   |        |
|                             | Display facing phantom          | Estimated SAR   | -                        | 0.553                    | -                        | -                        | 0.696                    | -                        | -   | -      |
|                             |                                 | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
|                             | Top edge facing phantom         | Estimated SAR   | -                        | 0.038                    | -                        | -                        | 0.048                    | -                        | -   | -      |
|                             |                                 | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
|                             | Bottom edge facing phantom      | Estimated SAR   | -                        | 0.316                    | -                        | -                        | 0.398                    | -                        | -   | -      |
|                             |                                 | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
|                             | Left edge facing phantom        | Estimated SAR   | -                        | 0.240                    | -                        | -                        | 0.302                    | -                        | -   | -      |
|                             |                                 | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
|                             | Right edge facing phantom       | Estimated SAR   | -                        | 0.186                    | -                        | -                        | 0.234                    | -                        | -   | -      |
|                             |                                 | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
| CC-3085 Back facing phantom | Estimated SAR                   | 0.775           | 0.727                    | 0.672                    | 1.02                     | 0.915                    | 0.827                    | 0.01                     | 31  |        |
|                             | Full SAR                        | 0.768           | -                        | -                        | 1.01                     | -                        | -                        |                          |   |        |



**LTE1700/2100 (Band 4) Wireless Router SAR results / Antenna 1**

| Mode                                     | Test configuration              | SAR measurement  | Measured 1g SAR [W/kg]    |                           |                           | Reported* 1g SAR [W/kg]   |                           |                           | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--|---------------------------------|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---|--------|
|  |                                 |  | Ch 20050<br>1720.0<br>MHz | Ch 23175<br>1732.5<br>MHz | Ch 20300<br>1745.0<br>MHz | Ch 20050<br>1720.0<br>MHz | Ch 23175<br>1732.5<br>MHz | Ch 20300<br>1745.0<br>MHz |   |        |
| 10MHz<br>Ch BW<br>1RB<br>0 %<br>offset   | Tuning Target + Tolerance [dBm] |  | 21.9                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|  | Conducted Power [dBm]           |  | 21.4                      | 21.4                      | 21.5                      | 0.5                       | 0.5                       | 0.4                       | dB  |        |
|  | Time-averaged power [dBm]       |  | 21.4                      | 21.4                      | 21.5                      | 1.12                      | 1.12                      | 1.10                      | Lin   |        |
|  |                                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                           |                           |                           |                           |                           |                           |   |        |
| 10MHz<br>Ch BW<br>1RB<br>50 %<br>offset  | Tuning Target + Tolerance [dBm] |  | 21.9                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|  | Conducted Power [dBm]           |  | 21.3                      | 21.5                      | 21.4                      | 0.6                       | 0.4                       | 0.5                       | dB  |        |
|  | Time-averaged power [dBm]       |  | 21.3                      | 21.5                      | 21.4                      | 1.15                      | 1.10                      | 1.12                      | Lin   |        |
|  | Back facing phantom             | Estimated SAR  | -                         | 0.715                     | -                         | -                         | 0.784                     | -                         | 0.01  | -      |
|  |                                 | Full SAR   | -                         | 0.710                     | -                         | -                         | 0.778                     | -                         |   |        |
|  | Display facing phantom          | Estimated SAR  | -                         | 0.681                     | -                         | -                         | 0.747                     | -                         | -   | -      |
|  |                                 | Full SAR   | -                         | -                         | -                         | -                         | -                         | -                         |   |        |
|  | Top edge facing phantom         | Estimated SAR  | -                         | 0.062                     | -                         | -                         | 0.068                     | -                         | -   | -      |
|  |                                 | Full SAR   | -                         | -                         | -                         | -                         | -                         | -                         |   |        |
|  | Bottom edge facing phantom      | Estimated SAR  | -                         | 0.435                     | -                         | -                         | 0.477                     | -                         | -   | -      |
|  |                                 | Full SAR   | -                         | -                         | -                         | -                         | -                         | -                         |   |        |
|  | Left edge facing phantom        | Estimated SAR  | -                         | 0.085                     | -                         | -                         | 0.093                     | -                         | -   | -      |
|  |                                 | Full SAR   | -                         | -                         | -                         | -                         | -                         | -                         |   |        |
|  | Right edge facing phantom       | Estimated SAR  | -                         | 0.142                     | -                         | -                         | 0.156                     | -                         | -   | -      |
| Full SAR                                 |                                 | -  | -                         | -                         | -                         | -                         | -                         |                           |   |        |
| CC-3085<br>Back facing phantom           | Estimated SAR                   | -  | 0.668                     | -                         | -                         | 0.732                     | -                         | 0.00                      | -   |        |
|  | Full SAR                        | -  | 0.670                     | -                         | -                         | 0.735                     | -                         |                           |   |        |
| 10MHz<br>Ch BW<br>1RB<br>100 %<br>offset | Tuning Target + Tolerance [dBm] |  | 21.9                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|  | Conducted Power [dBm]           |  | 21.4                      | 21.4                      | 21.5                      | 0.5                       | 0.5                       | 0.4                       | dB  |        |
|  | Time-averaged power [dBm]       |  | 21.4                      | 21.4                      | 21.5                      | 1.12                      | 1.12                      | 1.10                      | Lin   |        |
|  |                                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                           |                           |                           |                           |                           |                           |   |        |

(LTE1700/2100 (Band 4) WR SAR / Antenna 1 Table continues)

(LTE1700/2100 (Band 4) WR SAR / Antenna 1 Table continues)

| Mode  | Test configuration   | SAR measurement | Measured 1g SAR [W/kg]    |                           |                           | Reported* 1g SAR [W/kg]   |                           |                           | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|---|--|-----------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---|--------|
|   |  |                 | Ch 20050<br>1720.0<br>MHz | Ch 23175<br>1732.5<br>MHz | Ch 20300<br>1745.0<br>MHz | Ch 20050<br>1720.0<br>MHz | Ch 23175<br>1732.5<br>MHz | Ch 20300<br>1745.0<br>MHz |   |        |
| 10MHz<br>Ch BW<br>50%RB<br>0 %<br>offset    | Tuning Target + Tolerance [dBm]  |                 | 20.9                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|   | Conducted Power [dBm]  |                 | 20.4                      | 20.4                      | 20.6                      | 0.5                       | 0.5                       | 0.3                       | dB  |        |
|   | Time-averaged power [dBm]  |                 | 20.4                      | 20.4                      | 20.6                      | 1.12                      | 1.12                      | 1.07                      | Lin   |        |
|   | Back facing phantom  | Estimated SAR   | -                         | -                         | 0.594                     | -                         | -                         | 0.636                     | -   | -      |
|   |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         |   |        |
|   | Display facing phantom   | Estimated SAR   | -                         | -                         | 0.572                     | -                         | -                         | 0.613                     | -   | -      |
|   |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         |   |        |
|   | Top edge facing phantom  | Estimated SAR   | -                         | -                         | 0.044                     | -                         | -                         | 0.047                     | -   | -      |
|   |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         |   |        |
|   | Bottom edge facing phantom   | Estimated SAR   | -                         | -                         | 0.353                     | -                         | -                         | 0.378                     | -   | -      |
|   |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         |   |        |
|   | Left edge facing phantom   | Estimated SAR   | -                         | -                         | 0.076                     | -                         | -                         | 0.081                     | -   | -      |
|   |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         |   |        |
|   | Right edge facing phantom  | Estimated SAR   | -                         | -                         | 0.148                     | -                         | -                         | 0.159                     | -   | -      |
| Full SAR                                    |  | -               | -                         | -                         | -                         | -                         | -                         |                           |   |        |
| 10MHz<br>Ch BW<br>50% RB<br>50 %<br>offset  | Tuning Target + Tolerance [dBm]  |                 | 20.9                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|   | Conducted Power [dBm]  |                 | 20.3                      | 20.5                      | 20.5                      | 0.6                       | 0.4                       | 0.4                       | dB  |        |
|   | Time-averaged power [dBm]  |                 | 20.3                      | 20.5                      | 20.5                      | 1.15                      | 1.10                      | 1.10                      | Lin   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |
| 10MHz<br>Ch BW<br>50% RB<br>100 %<br>offset | Tuning Target + Tolerance [dBm]  |                 | 20.9                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|   | Conducted Power [dBm]  |                 | 20.4                      | 20.4                      | 20.5                      | 0.5                       | 0.5                       | 0.4                       | dB  |        |
|   | Time-averaged power [dBm]  |                 | 20.4                      | 20.4                      | 20.5                      | 1.12                      | 1.12                      | 1.10                      | Lin   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |
| 10MHz<br>Ch BW<br>100%<br>RB                | Tuning Target + Tolerance [dBm]  |                 | 20.9                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|   | Conducted Power [dBm]  |                 | 20.4                      | 20.5                      | 20.6                      | 0.5                       | 0.4                       | 0.3                       | dB  |        |
|   | Time-averaged power [dBm]  |                 | 20.4                      | 20.5                      | 20.6                      | 1.12                      | 1.10                      | 1.07                      | Lin   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |

**LTE1700/2100 (Band 4) Wireless Router SAR results / Antenna 2**

| Mode                                     | Test configuration              | SAR measurement | Measured 1g SAR [W/kg]   |                           |                           | Reported* 1g SAR [W/kg]   |                           |                           | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |    |
|--|---------------------------------|-----------------|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---|--------|----|
|  |                                 |                 | Ch 20050<br>1720.0<br>MHz  | Ch 23175<br>1732.5<br>MHz | Ch 20300<br>1745.0<br>MHz | Ch 20050<br>1720.0<br>MHz | Ch 23175<br>1732.5<br>MHz | Ch 20300<br>1745.0<br>MHz |   |        |    |
| 10MHz<br>Ch BW<br>1RB<br>0 %<br>offset   | Tuning Target + Tolerance [dBm] |                 | 21.9   |                           |                           | Scaling factor*           |                           |                           |   |        |    |
|  | Conducted Power [dBm]           |                 | 20.9   | 20.9                      | 21.0                      | 1.0                       | 1.0                       | 0.9                       | dB  |        |    |
|  | Time-averaged power [dBm]       |                 | 20.9   | 20.9                      | 21.0                      | 1.26                      | 1.26                      | 1.23                      | Lin   |        |    |
|  |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                           |                           |                           |                           |                           |   |        |    |
| 10MHz<br>Ch BW<br>1RB<br>50 %<br>offset  | Tuning Target + Tolerance [dBm] |                 | 21.9   |                           |                           | Scaling factor*           |                           |                           |   |        |    |
|  | Conducted Power [dBm]           |                 | 20.8   | 21.0                      | 20.9                      | 1.1                       | 0.9                       | 1.0                       | dB  |        |    |
|  | Time-averaged power [dBm]       |                 | 20.8   | 21.0                      | 20.9                      | 1.29                      | 1.23                      | 1.26                      | Lin   |        |    |
|  | Back facing phantom             | Estimated SAR   |  | -                         | 0.637                     | -                         | -                         | 0.784                     | -   | 0.01   | 32 |
|  |                                 | Full SAR        |  | -                         | 0.647                     | -                         | -                         | <b>0.796</b>              | -   |        |    |
|  | Display facing phantom          | Estimated SAR   |  | -                         | 0.573                     | -                         | -                         | 0.705                     | -   | -      | -  |
|  |                                 | Full SAR        |  | -                         | -                         | -                         | -                         | -                         | -   |        |    |
|  | Top edge facing phantom         | Estimated SAR   |  | -                         | 0.035                     | -                         | -                         | 0.043                     | -   | -      | -  |
|  |                                 | Full SAR        |  | -                         | -                         | -                         | -                         | -                         | -   |        |    |
|  | Bottom edge facing phantom      | Estimated SAR   |  | -                         | 0.233                     | -                         | -                         | 0.287                     | -   | -      | -  |
|  |                                 | Full SAR        |  | -                         | -                         | -                         | -                         | -                         | -   |        |    |
|  | Left edge facing phantom        | Estimated SAR   |  | -                         | 0.220                     | -                         | -                         | 0.271                     | -   | -      | -  |
|  |                                 | Full SAR        |  | -                         | -                         | -                         | -                         | -                         | -   |        |    |
|  | Right edge facing phantom       | Estimated SAR   |  | -                         | 0.169                     | -                         | -                         | 0.208                     | -   | -      | -  |
| Full SAR                                 |                                 |                 | -  | -                         | -                         | -                         | -                         | -                         |   |        |    |
| CC-3085<br>Back facing phantom           | Estimated SAR                   |                 | -  | 0.610                     | -                         | -                         | 0.750                     | -                         | 0.00  | -      |    |
|  | Full SAR                        |                 | -  | 0.606                     | -                         | -                         | 0.746                     | -                         |   |        |    |
| 10MHz<br>Ch BW<br>1RB<br>100 %<br>offset | Tuning Target + Tolerance [dBm] |                 | 21.9   |                           |                           | Scaling factor*           |                           |                           |   |        |    |
|  | Conducted Power [dBm]           |                 | 20.9   | 20.9                      | 21.0                      | 1.0                       | 1.0                       | 0.9                       | dB  |        |    |
|  | Time-averaged power [dBm]       |                 | 20.9   | 20.9                      | 21.0                      | 1.26                      | 1.26                      | 1.23                      | Lin   |        |    |
|  |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                           |                           |                           |                           |                           |   |        |    |

(LTE1700/2100 (Band 4) WR SAR / Antenna 2 Table continues)

(LTE1700/2100 (Band 4) WR SAR / Antenna 2 Table continues)

| Mode  | Test configuration              | SAR measurement | Measured 1g SAR [W/kg]   |                           |                           | Reported* 1g SAR [W/kg]   |                           |                           | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|---|---------------------------------|-----------------|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---|--------|
|   |                                 |                 | Ch 20050<br>1720.0<br>MHz  | Ch 23175<br>1732.5<br>MHz | Ch 20300<br>1745.0<br>MHz | Ch 20050<br>1720.0<br>MHz | Ch 23175<br>1732.5<br>MHz | Ch 20300<br>1745.0<br>MHz |   |        |
| 10MHz<br>Ch BW<br>50%RB<br>0 %<br>offset    | Tuning Target + Tolerance [dBm] |                 | 20.9   |                           |                           | Scaling factor*           |                           |                           |   |        |
|   | Conducted Power [dBm]           |                 | 19.9   | 19.9                      | 20.1                      | 1.0                       | 1.0                       | 0.8                       | dB  |        |
|   | Time-averaged power [dBm]       |                 | 19.9   | 19.9                      | 20.1                      | 1.26                      | 1.26                      | 1.20                      | Lin   |        |
|   | Back facing phantom             | Estimated SAR   | -  | -                         | 0.492                     | -                         | -                         | 0.592                     | -   | -      |
|   |                                 | Full SAR        | -  | -                         | -                         | -                         | -                         | -                         | -   | -      |
|   | Display facing phantom          | Estimated SAR   | -  | -                         | 0.446                     | -                         | -                         | 0.536                     | -   | -      |
|   |                                 | Full SAR        | -  | -                         | -                         | -                         | -                         | -                         | -   | -      |
|   | Top edge facing phantom         | Estimated SAR   | -  | -                         | 0.026                     | -                         | -                         | 0.031                     | -   | -      |
|   |                                 | Full SAR        | -  | -                         | -                         | -                         | -                         | -                         | -   | -      |
|   | Bottom edge facing phantom      | Estimated SAR   | -  | -                         | 0.182                     | -                         | -                         | 0.219                     | -   | -      |
|   |                                 | Full SAR        | -  | -                         | -                         | -                         | -                         | -                         | -   | -      |
|   | Left edge facing phantom        | Estimated SAR   | -  | -                         | 0.180                     | -                         | -                         | 0.216                     | -   | -      |
|   |                                 | Full SAR        | -  | -                         | -                         | -                         | -                         | -                         | -   | -      |
|   | Right edge facing phantom       | Estimated SAR   | -  | -                         | 0.134                     | -                         | -                         | 0.161                     | -   | -      |
| Full SAR                                    |                                 | -               | -  | -                         | -                         | -                         | -                         | -                         | -   |        |
| 10MHz<br>Ch BW<br>50% RB<br>50 %<br>offset  | Tuning Target + Tolerance [dBm] |                 | 20.9   |                           |                           | Scaling factor*           |                           |                           |   |        |
|   | Conducted Power [dBm]           |                 | 19.8   | 20.0                      | 20.0                      | 1.1                       | 0.9                       | 0.9                       | dB  |        |
|   | Time-averaged power [dBm]       |                 | 19.8   | 20.0                      | 20.0                      | 1.29                      | 1.23                      | 1.23                      | Lin   |        |
|   |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                           |                           |                           |                           |                           |   |        |
| 10MHz<br>Ch BW<br>50% RB<br>100 %<br>offset | Tuning Target + Tolerance [dBm] |                 | 20.9   |                           |                           | Scaling factor*           |                           |                           |   |        |
|   | Conducted Power [dBm]           |                 | 19.9   | 19.9                      | 20.0                      | 1.0                       | 1.0                       | 0.9                       | dB  |        |
|   | Time-averaged power [dBm]       |                 | 19.9   | 19.9                      | 20.0                      | 1.26                      | 1.26                      | 1.23                      | Lin   |        |
|   |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                           |                           |                           |                           |                           |   |        |
| 10MHz<br>Ch BW<br>100%<br>RB                | Tuning Target + Tolerance [dBm] |                 | 20.9   |                           |                           | Scaling factor*           |                           |                           |   |        |
|   | Conducted Power [dBm]           |                 | 19.9   | 20.0                      | 20.1                      | 1.0                       | 0.9                       | 0.8                       | dB  |        |
|   | Time-averaged power [dBm]       |                 | 19.9   | 20.0                      | 20.1                      | 1.26                      | 1.23                      | 1.20                      | Lin   |        |
|   |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                           |                           |                           |                           |                           |   |        |

**GSM/GPRS/EGPRS/WCDMA1900 Wireless Router SAR results /Antenna 1**

| Mode   | Device orientation                 | SAR measurement | Measured 1g SAR [W/kg] |                      |                      | Reported* 1g SAR [W/kg] |                      |                      | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--|------------------------------------|-----------------|------------------------|----------------------|----------------------|-------------------------|----------------------|----------------------|---|--------|
|  |                                    |                 | Ch 512<br>1850.2 MHz   | Ch 661<br>1880.0 MHz | Ch 810<br>1909.8 MHz | Ch 512<br>1850.2 MHz    | Ch 661<br>1880.0 MHz | Ch 810<br>1909.8 MHz |   |        |
| 1-slot GPRS                                      | Tuning Target + Tolerance [dBm]    |                 | 29.9                   |                      |                      | Scaling factor*         |                      |                      |   |        |
|  | Conducted Slot Average Power [dBm] |                 | 29.6                   | 29.6                 | 29.4                 | 0.3                     | 0.3                  | 0.5                  | dB  |        |
|  | Time-averaged power [dBm]          |                 | 20.6                   | 20.6                 | 20.4                 | 1.07                    | 1.07                 | 1.12                 | Lin   |        |
| 2-slot GPRS                                      | Tuning Target + Tolerance [dBm]    |                 | 29.4                   |                      |                      | Scaling factor*         |                      |                      |   |        |
|  | Conducted Slot Average Power [dBm] |                 | 29.2                   | 29.1                 | 28.8                 | 0.2                     | 0.3                  | 0.6                  | dB  |        |
|  | Time-averaged power [dBm]          |                 | 23.2                   | 23.1                 | 22.8                 | 1.05                    | 1.07                 | 1.15                 | Lin   |        |
|  | Back facing phantom                | Estimated SAR   | 0.835                  | 0.830                | 0.832                | 0.874                   | 0.889                | 0.955                | 0.01  | -      |
|  |                                    | Full SAR        | -                      | -                    | 0.845                | -                       | -                    | 0.970                |   |        |
|  | Display facing phantom             | Estimated SAR   | 0.878                  | 0.852                | 0.905                | 0.919                   | 0.913                | 1.04                 | 0.05  | -      |
|  |                                    | Full SAR        | -                      | -                    | 0.955                | -                       | -                    | 1.10                 |   |        |
|  | Top edge facing phantom            | Estimated SAR   | -                      | 0.074                | -                    | -                       | 0.080                | -                    | -   | -      |
|  |                                    | Full SAR        | -                      | -                    | -                    | -                       | -                    | -                    |   |        |
|  | Bottom edge facing phantom         | Estimated SAR   | -                      | 0.643                | -                    | -                       | 0.689                | -                    | -   | -      |
|  |                                    | Full SAR        | -                      | 0.671                | -                    | -                       | 0.719                | -                    |   |        |
|  | Left edge facing phantom           | Estimated SAR   | -                      | 0.145                | -                    | -                       | 0.155                | -                    | -   | -      |
|  |                                    | Full SAR        | -                      | -                    | -                    | -                       | -                    | -                    |   |        |
|  | Right edge facing phantom          | Estimated SAR   | -                      | 0.228                | -                    | -                       | 0.244                | -                    | -   | -      |
| Full SAR   |                                    | -               | -                      | -                    | -                    | -                       | -                    |                      |   |        |
| CC-3085 Display facing phantom                   | Estimated SAR                      | 0.872           | 0.956                  | 0.955                | 0.913                | 1.02                    | 1.10                 | 0.04                 | -   |        |
|  | Full SAR                           | -               | -                      | 0.994                | -                    | -                       | 1.14                 |                      |   |        |
| Repeated SAR CC-3085 Display facing phantom      | Estimated SAR                      | -               | -                      | 0.954                | -                    | -                       | 1.10                 | 0.04                 | 33  |        |
|  | Full SAR                           | -               | -                      | 0.990                | -                    | -                       | 1.14                 |                      |   |        |
| 3-slot GPRS                                      | Tuning Target + Tolerance [dBm]    |                 | 27.6                   |                      |                      | Scaling factor*         |                      |                      |   |        |
|  | Conducted Slot Average Power [dBm] |                 | 27.3                   | 27.2                 | 27.0                 | 0.3                     | 0.4                  | 0.6                  | dB  |        |
|  | Time-averaged power [dBm]          |                 | 23.0                   | 22.9                 | 22.7                 | 1.07                    | 1.10                 | 1.15                 | Lin   |        |
| No testing required for this slot configuration. |                                    |                 |                        |                      |                      |                         |                      |                      |   |        |
| 4-slot GPRS                                      | Tuning Target + Tolerance [dBm]    |                 | 25.9                   |                      |                      | Scaling factor*         |                      |                      |   |        |
|  | Conducted Slot Average Power [dBm] |                 | 25.9                   | 25.9                 | 25.7                 | 0.0                     | 0.0                  | 0.2                  | dB  |        |
|  | Time-averaged power [dBm]          |                 | 22.9                   | 22.9                 | 22.7                 | 1.00                    | 1.00                 | 1.05                 | Lin   |        |
| No testing required for this slot configuration. |                                    |                 |                        |                      |                      |                         |                      |                      |   |        |

(GSM/GPRS/EGPRS/WCDMA1900 WR SAR / Antenna 1 Table continues)

**WCDMA1900 Wireless Router SAR results /Antenna 1**

| Mode  | Device orientation              | SAR measurement | Measured 1g SAR [W/kg]   |                          |                          | Reported* 1g SAR [W/kg]  |                          |                          | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|---|---------------------------------|-----------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|--------|
|   |                                 |                 | Ch 9262<br>1852.4<br>MHz | Ch 9400<br>1880.0<br>MHz | Ch 9538<br>1907.6<br>MHz | Ch 9262<br>1852.4<br>MHz | Ch 9400<br>1880.0<br>MHz | Ch 9538<br>1907.6<br>MHz |   |        |
| WCDMA                                       | Tuning Target + Tolerance [dBm] |                 | 21.9                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|   | Conducted Power [dBm]           |                 | 21.4                     | 21.3                     | 21.3                     | 0.5                      | 0.6                      | 0.6                      | dB  |        |
|   | Time-averaged power [dBm]       |                 | 21.4                     | 21.3                     | 21.3                     | 1.12                     | 1.15                     | 1.15                     | Lin   |        |
|   | Back facing phantom             | Estimated SAR   | 0.757                    | 0.747                    | 0.702                    | 0.849                    | 0.858                    | 0.806                    | 0.02  | -      |
|   |                                 | Full SAR        | -                        | 0.769                    | -                        | -                        | 0.883                    | -                        |   |        |
|   | Display facing phantom          | Estimated SAR   | 0.811                    | 0.809                    | 0.771                    | 0.910                    | 0.929                    | 0.885                    | 0.02  | -      |
|   |                                 | Full SAR        | -                        | 0.833                    | -                        | -                        | 0.956                    | -                        |   |        |
|   | Top edge facing phantom         | Estimated SAR   | -                        | 0.048                    | -                        | -                        | 0.055                    | -                        | -   | -      |
|   |                                 | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
|   | Bottom edge facing phantom      | Estimated SAR   | -                        | 0.550                    | -                        | -                        | 0.631                    | -                        | -   | -      |
|   |                                 | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
|   | Left edge facing phantom        | Estimated SAR   | -                        | 0.131                    | -                        | -                        | 0.150                    | -                        | -   | -      |
|   |                                 | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
|   | Right edge facing phantom       | Estimated SAR   | -                        | 0.215                    | -                        | -                        | 0.247                    | -                        | -   | -      |
|   |                                 | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
| CC-3085 Display facing phantom              | Estimated SAR                   | 0.779           | 0.834                    | 0.878                    | 0.874                    | 0.958                    | 1.01                     | 0.04                     | 34  |        |
|   | Full SAR                        | -               | -                        | 0.920                    | -                        | -                        | 1.06                     |                          |   |        |
| Repeated SAR CC-3085 Display facing phantom | Estimated SAR                   | -               | -                        | 0.865                    | -                        | -                        | 0.993                    | 0.05                     | -   |        |
|   | Full SAR                        | -               | -                        | 0.911                    | -                        | -                        | 1.05                     |                          |   |        |

**WCDMA1900 Wireless Router SAR results /Antenna 2**

| Mode                        | Device orientation              | SAR measurement | Measured 1g SAR [W/kg]   |                          |                          | Reported* 1g SAR [W/kg]  |                          |                          | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|-----------------------------|---------------------------------|-----------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|--------|
|                             |                                 |                 | Ch 9262<br>1852.4<br>MHz | Ch 9400<br>1880.0<br>MHz | Ch 9538<br>1907.6<br>MHz | Ch 9262<br>1852.4<br>MHz | Ch 9400<br>1880.0<br>MHz | Ch 9538<br>1907.6<br>MHz |   |        |
| WCDMA                       | Tuning Target + Tolerance [dBm] |                 | 21.9                     |                          |                          | Scaling factor*          |                          |                          |   |        |
|                             | Conducted Power [dBm]           |                 | 20.9                     | 20.8                     | 20.8                     | 1.0                      | 1.1                      | 1.1                      | dB  |        |
|                             | Time-averaged power [dBm]       |                 | 20.9                     | 20.8                     | 20.8                     | 1.26                     | 1.29                     | 1.29                     | Lin   |        |
|                             | Back facing phantom             | Estimated SAR   | 0.688                    | 0.653                    | 0.611                    | 0.866                    | 0.841                    | 0.787                    | 0.02  | -      |
|                             |                                 | Full SAR        | 0.669                    | -                        | -                        | 0.842                    | -                        | -                        |   |        |
|                             | Display facing phantom          | Estimated SAR   | -                        | 0.457                    | -                        | -                        | 0.589                    | -                        | -   | -      |
|                             |                                 | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
|                             | Top edge facing phantom         | Estimated SAR   | -                        | 0.037                    | -                        | -                        | 0.047                    | -                        | -   | -      |
|                             |                                 | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
|                             | Bottom edge facing phantom      | Estimated SAR   | -                        | 0.380                    | -                        | -                        | 0.490                    | -                        | -   | -      |
|                             |                                 | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
|                             | Left edge facing phantom        | Estimated SAR   | -                        | 0.273                    | -                        | -                        | 0.352                    | -                        | -   | -      |
|                             |                                 | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
|                             | Right edge facing phantom       | Estimated SAR   | -                        | 0.155                    | -                        | -                        | 0.200                    | -                        | -   | -      |
|                             |                                 | Full SAR        | -                        | -                        | -                        | -                        | -                        | -                        |   |        |
| CC-3085 Back facing phantom | Estimated SAR                   | 0.654           | 0.634                    | 0.599                    | 0.823                    | 0.817                    | 0.772                    | 0.03                     | -   |        |
|                             | Full SAR                        | 0.681           | -                        | -                        | 0.857                    | -                        | -                        |                          |   |        |

**LTE1900 (Band 2) Wireless Router SAR results / Antenna 1**

| Mode                                     | Test configuration   | SAR measurement | Measured 1g SAR [W/kg]    |                           |                           | Reported* 1g SAR [W/kg]   |                           |                           | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--|--|-----------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---|--------|
|  |  |                 | Ch 18700<br>1860.0<br>MHz | Ch 18900<br>1880.0<br>MHz | Ch 19100<br>1900.0<br>MHz | Ch 18700<br>1860.0<br>MHz | Ch 18900<br>1880.0<br>MHz | Ch 19100<br>1900.0<br>MHz |   |        |
| 20MHz<br>Ch BW<br>1RB<br>0 %<br>offset   | Tuning Target + Tolerance [dBm]  |                 | 21.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|  | Conducted Power [dBm]  |                 | 21.0                      | 21.1                      | 21.1                      | 0.4                       | 0.3                       | 0.3                       | dB  |        |
|  | Time-averaged power [dBm]  |                 | 21.0                      | 21.1                      | 21.1                      | 1.10                      | 1.07                      | 1.07                      | Lin   |        |
|  | Back facing phantom  | Estimated SAR   | -                         | 0.695                     | -                         | -                         | 0.745                     | -                         | -   | -      |
|  |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         | -   | -      |
|  | Display facing phantom   | Estimated SAR   | -                         | 0.700                     | -                         | -                         | 0.750                     | -                         | -   | -      |
|  |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         | -   | -      |
|  | Top edge facing phantom  | Estimated SAR   | -                         | 0.044                     | -                         | -                         | 0.047                     | -                         | -   | -      |
|  |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         | -   | -      |
|  | Bottom edge facing phantom   | Estimated SAR   | -                         | 0.724                     | -                         | -                         | 0.776                     | -                         | 0.03  | 35     |
|  |  | Full SAR        | -                         | 0.758                     | -                         | -                         | 0.812                     | -                         | -   | -      |
|  | Left edge facing phantom   | Estimated SAR   | -                         | 0.059                     | -                         | -                         | 0.063                     | -                         | -   | -      |
|  |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         | -   | -      |
|  | Right edge facing phantom  | Estimated SAR   | -                         | 0.261                     | -                         | -                         | 0.280                     | -                         | -   | -      |
| Full SAR                                 |  | -               | -                         | -                         | -                         | -                         | -                         | -                         | -   |        |
| CC-3085<br>Bottom edge facing phantom    | Estimated SAR  | -               | 0.723                     | -                         | -                         | 0.775                     | -                         | 0.02                      | -   |        |
|  | Full SAR   | -               | 0.738                     | -                         | -                         | 0.791                     | -                         | -                         | -   |        |
| 20MHz<br>Ch BW<br>1RB<br>50 %<br>offset  | Tuning Target + Tolerance [dBm]  |                 | 21.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|  | Conducted Power [dBm]  |                 | 21.0                      | 21.0                      | 21.1                      | 0.4                       | 0.4                       | 0.3                       | dB  |        |
|  | Time-averaged power [dBm]  |                 | 21.0                      | 21.0                      | 21.1                      | 1.10                      | 1.10                      | 1.07                      | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |
| 20MHz<br>Ch BW<br>1RB<br>100 %<br>offset | Tuning Target + Tolerance [dBm]  |                 | 21.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|  | Conducted Power [dBm]  |                 | 21.0                      | 20.9                      | 21.0                      | 0.4                       | 0.5                       | 0.4                       | dB  |        |
|  | Time-averaged power [dBm]  |                 | 21.0                      | 20.9                      | 21.0                      | 1.10                      | 1.12                      | 1.10                      | Lin   |        |
|  | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |

(LTE1900 (Band 2) WR SAR results / Antenna 1 Table continues)



(LTE1900 (Band 2) WR SAR results / Antenna 1 Table continues)

| Mode  | Test configuration   | SAR measurement | Measured 1g SAR [W/kg]    |                           |                           | Reported* 1g SAR [W/kg]   |                           |                           | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|---|--|-----------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---|--------|
|   |  |                 | Ch 18700<br>1860.0<br>MHz | Ch 18900<br>1880.0<br>MHz | Ch 19100<br>1900.0<br>MHz | Ch 18700<br>1860.0<br>MHz | Ch 18900<br>1880.0<br>MHz | Ch 19100<br>1900.0<br>MHz |   |        |
| 20MHz<br>Ch BW<br>50%RB<br>0 %<br>offset    | Tuning Target + Tolerance [dBm]  |                 | 20.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|   | Conducted Power [dBm]  |                 | 20.0                      | 20.0                      | 20.0                      | 0.4                       | 0.4                       | 0.4                       | dB  |        |
|   | Time-averaged power [dBm]  |                 | 20.0                      | 20.0                      | 20.0                      | 1.10                      | 1.10                      | 1.10                      | Lin   |        |
|   | Back facing phantom  | Estimated SAR   | -                         | 0.563                     | -                         | -                         | 0.617                     | -                         | -   | -      |
|   |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         | -   | -      |
|   | Display facing phantom   | Estimated SAR   | -                         | 0.564                     | -                         | -                         | 0.618                     | -                         | -   | -      |
|   |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         | -   | -      |
|   | Top edge facing phantom  | Estimated SAR   | -                         | 0.035                     | -                         | -                         | 0.038                     | -                         | -   | -      |
|   |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         | -   | -      |
|   | Bottom edge facing phantom   | Estimated SAR   | -                         | 0.569                     | -                         | -                         | 0.624                     | -                         | -   | -      |
|   |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         | -   | -      |
|   | Left edge facing phantom   | Estimated SAR   | -                         | 0.047                     | -                         | -                         | 0.052                     | -                         | -   | -      |
|   |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         | -   | -      |
|   | Right edge facing phantom  | Estimated SAR   | -                         | 0.202                     | -                         | -                         | 0.221                     | -                         | -   | -      |
| Full SAR                                    |  | -               | -                         | -                         | -                         | -                         | -                         | -                         | -   |        |
| 20MHz<br>Ch BW<br>50% RB<br>50 %<br>offset  | Tuning Target + Tolerance [dBm]  |                 | 20.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|   | Conducted Power [dBm]  |                 | 20.0                      | 20.0                      | 19.9                      | 0.4                       | 0.4                       | 0.5                       | dB  |        |
|   | Time-averaged power [dBm]  |                 | 20.0                      | 20.0                      | 19.9                      | 1.10                      | 1.10                      | 1.12                      | Lin   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |
| 20MHz<br>Ch BW<br>50% RB<br>100 %<br>offset | Tuning Target + Tolerance [dBm]  |                 | 20.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|   | Conducted Power [dBm]  |                 | 19.9                      | 20.0                      | 19.9                      | 0.5                       | 0.4                       | 0.5                       | dB  |        |
|   | Time-averaged power [dBm]  |                 | 19.9                      | 20.0                      | 19.9                      | 1.12                      | 1.10                      | 1.12                      | Lin   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |
| 20MHz<br>Ch BW<br>100%<br>RB                | Tuning Target + Tolerance [dBm]  |                 | 20.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|   | Conducted Power [dBm]  |                 | 20.0                      | 20.0                      | 19.9                      | 0.4                       | 0.4                       | 0.5                       | dB  |        |
|   | Time-averaged power [dBm]  |                 | 20.0                      | 20.0                      | 19.9                      | 1.10                      | 1.10                      | 1.12                      | Lin   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |

**LTE1900 (Band 2) Wireless Router SAR results / Antenna 2**

| Mode                                     | Test configuration              | SAR measurement | Measured 1g SAR [W/kg]   |                           |                           | Reported* 1g SAR [W/kg]   |                           |                           | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--|---------------------------------|-----------------|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---|--------|
|  |                                 |                 | Ch 18700<br>1860.0<br>MHz  | Ch 18900<br>1880.0<br>MHz | Ch 19100<br>1900.0<br>MHz | Ch 18700<br>1860.0<br>MHz | Ch 18900<br>1880.0<br>MHz | Ch 19100<br>1900.0<br>MHz |   |        |
| 20MHz<br>Ch BW<br>1RB<br>0 %<br>offset   | Tuning Target + Tolerance [dBm] |                 | 21.4   |                           |                           | Scaling factor*           |                           |                           |   |        |
|  | Conducted Power [dBm]           |                 | 20.5   | 20.6                      | 20.6                      | 0.5                       | 0.4                       | 0.4                       | dB  |        |
|  | Time-averaged power [dBm]       |                 | 20.5   | 20.6                      | 20.6                      | 1.12                      | 1.10                      | 1.10                      | Lin   |        |
|  | Back facing phantom             | Estimated SAR   | -  | 0.561                     | -                         | -                         | 0.615                     | -                         | -   | -      |
|  |                                 | Full SAR        | -  | -                         | -                         | -                         | -                         | -                         |   |        |
|  | Display facing phantom          | Estimated SAR   | -  | 0.569                     | -                         | -                         | 0.624                     | -                         | 0.02  | -      |
|  |                                 | Full SAR        | -  | 0.587                     | -                         | -                         | 0.644                     | -                         |   |        |
|  | Top edge facing phantom         | Estimated SAR   | -  | 0.041                     | -                         | -                         | 0.045                     | -                         | -   | -      |
|  |                                 | Full SAR        | -  | -                         | -                         | -                         | -                         | -                         |   |        |
|  | Bottom edge facing phantom      | Estimated SAR   | -  | 0.164                     | -                         | -                         | 0.180                     | -                         | -   | -      |
|  |                                 | Full SAR        | -  | -                         | -                         | -                         | -                         | -                         |   |        |
|  | Left edge facing phantom        | Estimated SAR   | -  | 0.336                     | -                         | -                         | 0.368                     | -                         | -   | -      |
|  |                                 | Full SAR        | -  | -                         | -                         | -                         | -                         | -                         |   |        |
|  | Right edge facing phantom       | Estimated SAR   | -  | 0.068                     | -                         | -                         | 0.075                     | -                         | -   | -      |
| Full SAR                                 |                                 | -               | -  | -                         | -                         | -                         | -                         |                           |   |        |
| CC-3085<br>Display facing<br>phantom     | Estimated SAR                   | -               | 0.587  | -                         | -                         | 0.644                     | -                         | 0.01                      | -   |        |
|  | Full SAR                        | -               | 0.592  | -                         | -                         | 0.649                     | -                         |                           |   |        |
| 20MHz<br>Ch BW<br>1RB<br>50 %<br>offset  | Tuning Target + Tolerance [dBm] |                 | 21.4   |                           |                           | Scaling factor*           |                           |                           |   |        |
|  | Conducted Power [dBm]           |                 | 20.5   | 20.5                      | 20.6                      | 0.9                       | 0.9                       | 0.8                       | dB  |        |
|  | Time-averaged power [dBm]       |                 | 20.5   | 20.5                      | 20.6                      | 1.23                      | 1.23                      | 1.20                      | Lin   |        |
|  |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                           |                           |                           |                           |                           |   |        |
| 20MHz<br>Ch BW<br>1RB<br>100 %<br>offset | Tuning Target + Tolerance [dBm] |                 | 21.4   |                           |                           | Scaling factor*           |                           |                           |   |        |
|  | Conducted Power [dBm]           |                 | 20.5   | 20.4                      | 20.5                      | 0.9                       | 1.0                       | 0.9                       | dB  |        |
|  | Time-averaged power [dBm]       |                 | 20.5   | 20.4                      | 20.5                      | 1.23                      | 1.26                      | 1.23                      | Lin   |        |
|  |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                           |                           |                           |                           |                           |   |        |

(LTE1900 (Band 2) WR SAR results / Antenna 2 Table continues)

(LTE1900 (Band 2) WR SAR results / Antenna 2 Table continues)

| Mode  | Test configuration   | SAR measurement | Measured 1g SAR [W/kg]    |                           |                           | Reported* 1g SAR [W/kg]   |                           |                           | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|---|--|-----------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---|--------|
|   |  |                 | Ch 18700<br>1860.0<br>MHz | Ch 18900<br>1880.0<br>MHz | Ch 19100<br>1900.0<br>MHz | Ch 18700<br>1860.0<br>MHz | Ch 18900<br>1880.0<br>MHz | Ch 19100<br>1900.0<br>MHz |   |        |
| 20MHz<br>Ch BW<br>50%RB<br>0 %<br>offset    | Tuning Target + Tolerance [dBm]  |                 | 20.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|   | Conducted Power [dBm]  |                 | 19.5                      | 19.5                      | 19.5                      | 0.9                       | 0.9                       | 0.9                       | dB  |        |
|   | Time-averaged power [dBm]  |                 | 19.5                      | 19.5                      | 19.5                      | 1.23                      | 1.23                      | 1.23                      | Lin   |        |
|   | Back facing phantom  | Estimated SAR   | -                         | 0.434                     | -                         | -                         | 0.534                     | -                         | -   | -      |
|   |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         | -   | -      |
|   | Display facing phantom   | Estimated SAR   | -                         | 0.444                     | -                         | -                         | 0.546                     | -                         | -   | -      |
|   |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         | -   | -      |
|   | Top edge facing phantom  | Estimated SAR   | -                         | 0.033                     | -                         | -                         | 0.041                     | -                         | -   | -      |
|   |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         | -   | -      |
|   | Bottom edge facing phantom   | Estimated SAR   | -                         | 0.148                     | -                         | -                         | 0.182                     | -                         | -   | -      |
|   |  | Full SAR        | -                         | -                         | -                         | -                         | -                         | -                         | -   | -      |
|   | Left edge facing phantom   | Estimated SAR   | -                         | 0.256                     | -                         | -                         | 0.315                     | -                         | -   | -      |
| Full SAR                                    |  | -               | -                         | -                         | -                         | -                         | -                         | -                         | -   |        |
| Right edge facing phantom                   | Estimated SAR  | -               | 0.056                     | -                         | -                         | 0.069                     | -                         | -                         | -   |        |
|   | Full SAR   | -               | -                         | -                         | -                         | -                         | -                         | -                         | -   |        |
| 20MHz<br>Ch BW<br>50% RB<br>50 %<br>offset  | Tuning Target + Tolerance [dBm]  |                 | 20.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|   | Conducted Power [dBm]  |                 | 20.0                      | 20.0                      | 19.9                      | 0.4                       | 0.4                       | 0.5                       | dB  |        |
|   | Time-averaged power [dBm]  |                 | 20.0                      | 20.0                      | 19.9                      | 1.10                      | 1.10                      | 1.12                      | Lin   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |
| 20MHz<br>Ch BW<br>50% RB<br>100 %<br>offset | Tuning Target + Tolerance [dBm]  |                 | 20.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|   | Conducted Power [dBm]  |                 | 19.9                      | 20.0                      | 19.9                      | 0.5                       | 0.4                       | 0.5                       | dB  |        |
|   | Time-averaged power [dBm]  |                 | 19.9                      | 20.0                      | 19.9                      | 1.12                      | 1.10                      | 1.12                      | Lin   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |
| 20MHz<br>Ch BW<br>100%<br>RB                | Tuning Target + Tolerance [dBm]  |                 | 20.4                      |                           |                           | Scaling factor*           |                           |                           |   |        |
|   | Conducted Power [dBm]  |                 | 20.0                      | 20.0                      | 19.9                      | 0.4                       | 0.4                       | 0.5                       | dB  |        |
|   | Time-averaged power [dBm]  |                 | 20.0                      | 20.0                      | 19.9                      | 1.10                      | 1.10                      | 1.12                      | Lin   |        |
|   | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                 |                           |                           |                           |                           |                           |                           |   |        |

**LTE2500 (Band 7) Wireless Router SAR results / Antenna 2**

| Mode                                    | Test configuration              | SAR measurement | Measured 1g SAR [W/kg]   |                     |                     | Reported* 1g SAR [W/kg] |                     |                     | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |   |
|---|---------------------------------|-----------------|--|---------------------|---------------------|-------------------------|---------------------|---------------------|---|--------|---|
|   |                                 |                 | Ch 20850 2510.0 MHz  | Ch 21100 2535.0 MHz | Ch 21350 2560.0 MHz | Ch 20850 2510.0 MHz     | Ch 21100 2535.0 MHz | Ch 21350 2560.0 MHz |   |        |   |
| 20MHz Ch BW 1RB 0 % offset              | Tuning Target + Tolerance [dBm] |                 | 20.9   |                     |                     | Scaling factor*         |                     |                     |   |        |   |
|   | Conducted Power [dBm]           |                 | 20.1   | 20.5                | 20.4                | 0.8                     | 0.4                 | 0.5                 | dB  |        |   |
|   | Time-averaged power [dBm]       |                 | 20.1   | 20.5                | 20.4                | 1.20                    | 1.10                | 1.12                | Lin   |        |   |
|   |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                     |                     |                         |                     |                     |   |        |   |
| 20MHz Ch BW 1RB 50 % offset             | Tuning Target + Tolerance [dBm] |                 | 20.9   |                     |                     | Scaling factor*         |                     |                     |   |        |   |
|   | Conducted Power [dBm]           |                 | 20.2   | 20.5                | 20.6                | 0.7                     | 0.4                 | 0.3                 | dB  |        |   |
|   | Time-averaged power [dBm]       |                 | 20.2   | 20.5                | 20.6                | 1.17                    | 1.10                | 1.07                | Lin   |        |   |
|   |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                     |                     |                         |                     |                     |   |        |   |
| 20MHz Ch BW 1RB 100 % offset            | Tuning Target + Tolerance [dBm] |                 | 20.9   |                     |                     | Scaling factor*         |                     |                     |   |        |   |
|   | Conducted Power [dBm]           |                 | 20.6   | 20.6                | 20.6                | 0.3                     | 0.3                 | 0.3                 | dB  |        |   |
|   | Time-averaged power [dBm]       |                 | 20.6   | 20.6                | 20.6                | 1.07                    | 1.07                | 1.07                | Lin   |        |   |
|   | Back facing phantom             | Estimated SAR   |  | -                   | 0.670               | -                       | -                   | 0.718               | -   | 0.01   | - |
|   |                                 | Full SAR        |  | -                   | 0.660               | -                       | -                   | 0.707               | -   |        |   |
|   | Display facing phantom          | Estimated SAR   |  | -                   | 0.575               | -                       | -                   | 0.616               | -   | -      | - |
|   |                                 | Full SAR        |  | -                   | -                   | -                       | -                   | -                   | -   |        |   |
|   | Top edge facing phantom         | Estimated SAR   |  | -                   | 0.018               | -                       | -                   | 0.019               | -   | -      | - |
|   |                                 | Full SAR        |  | -                   | -                   | -                       | -                   | -                   | -   |        |   |
|   | Bottom edge facing phantom      | Estimated SAR   |  | 0.927               | 0.789               | 0.755                   | 0.993               | 0.845               | 0.809   | 0.03   | - |
|   |                                 | Full SAR        |  | 0.896               | -                   | -                       | 0.960               | -                   | -   |        |   |
|   | Left edge facing phantom        | Estimated SAR   |  | -                   | 0.103               | -                       | -                   | 0.110               | -   | -      | - |
|   |                                 | Full SAR        |  | -                   | -                   | -                       | -                   | -                   | -   |        |   |
|   | Right edge facing phantom       | Estimated SAR   |  | -                   | 0.050               | -                       | -                   | 0.054               | -   | -      | - |
| Full SAR                                |                                 |                 | -  | -                   | -                   | -                       | -                   | -                   |   |        |   |
| CC-3085 Bottom edge facing phantom      | Estimated SAR                   |                 | 0.781  | 0.795               | 0.723               | 0.837                   | 0.852               | 0.775               | 0.02  | -      |   |
|   | Full SAR                        |                 | -  | 0.772               | -                   | -                       | 0.827               | -                   |   |        |   |
| Repeated SAR Bottom edge facing phantom | Estimated SAR                   |                 | 0.898  | -                   | -                   | 0.962                   | -                   | -                   | 0.02  | 36     |   |
|   | Full SAR                        |                 | 0.915  | -                   | -                   | 0.980                   | -                   | -                   |   |        |   |
| 20MHz Ch BW 50%RB 0 % offset            | Tuning Target + Tolerance [dBm] |                 | 19.9   |                     |                     | Scaling factor*         |                     |                     |   |        |   |
|   | Conducted Power [dBm]           |                 | 19.2   | 19.4                | 19.6                | 0.7                     | 0.5                 | 0.3                 | dB  |        |   |
|   | Time-averaged power [dBm]       |                 | 19.2   | 19.4                | 19.6                | 1.17                    | 1.12                | 1.07                | Lin   |        |   |
|   |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                     |                     |                         |                     |                     |   |        |   |

(LTE2500(Band 7) WR SAR / Antenna 2 Table continues)

(LTE2500(Band 7) WR SAR / Antenna 2 Table continues)

| Mode                                       | Test configuration              | SAR measurement | Measured 1g SAR [W/kg]   |                           |                           | Reported* 1g SAR [W/kg]   |                           |                           | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|--|---------------------------------|-----------------|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---|--------|
|  |                                 |                 | Ch 20850<br>2510.0<br>MHz  | Ch 21100<br>2535.0<br>MHz | Ch 21350<br>2560.0<br>MHz | Ch 20850<br>2510.0<br>MHz | Ch 21100<br>2535.0<br>MHz | Ch 21350<br>2560.0<br>MHz |   |        |
| 20MHz<br>Ch BW<br>50%RB<br>50 %<br>offset  | Tuning Target + Tolerance [dBm] |                 | 19.9   |                           |                           | Scaling factor*           |                           |                           |   |        |
|  | Conducted Power [dBm]           |                 | 19.1   | 19.4                      | 19.6                      | 0.8                       | 0.5                       | 0.3                       | dB  |        |
|  | Time-averaged power [dBm]       |                 | 19.1   | 19.4                      | 19.6                      | 1.20                      | 1.12                      | 1.07                      | Lin   |        |
|  |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                           |                           |                           |                           |                           |   |        |
| 20MHz<br>Ch BW<br>50%RB<br>100 %<br>offset | Tuning Target + Tolerance [dBm] |                 | 19.9   |                           |                           | Scaling factor*           |                           |                           |   |        |
|  | Conducted Power [dBm]           |                 | 19.3   | 19.5                      | 19.6                      | 0.6                       | 0.4                       | 0.3                       | dB  |        |
|  | Time-averaged power [dBm]       |                 | 19.3   | 19.5                      | 19.6                      | 1.15                      | 1.10                      | 1.07                      | Lin   |        |
|  | Back facing phantom             | Estimated SAR   | -  | -                         | 0.524                     | -                         | -                         | 0.561                     | -   | -      |
|  |                                 | Full SAR        | -  | -                         | -                         | -                         | -                         | -                         | -   | -      |
|  | Display facing phantom          | Estimated SAR   | -  | -                         | 0.464                     | -                         | -                         | 0.497                     | -   | -      |
|  |                                 | Full SAR        | -  | -                         | -                         | -                         | -                         | -                         | -   | -      |
|  | Top edge facing phantom         | Estimated SAR   | -  | -                         | 0.013                     | -                         | -                         | 0.014                     | -   | -      |
|  |                                 | Full SAR        | -  | -                         | -                         | -                         | -                         | -                         | -   | -      |
|  | Bottom edge facing phantom      | Estimated SAR   | -  | -                         | 0.621                     | -                         | -                         | 0.665                     | -   | -      |
|  |                                 | Full SAR        | -  | -                         | -                         | -                         | -                         | -                         | -   | -      |
|  | Left edge facing phantom        | Estimated SAR   | -  | -                         | 0.091                     | -                         | -                         | 0.097                     | -   | -      |
|  |                                 | Full SAR        | -  | -                         | -                         | -                         | -                         | -                         | -   | -      |
|  | Right edge facing phantom       | Estimated SAR   | -  | -                         | 0.047                     | -                         | -                         | 0.050                     | -   | -      |
| Full SAR                                   |                                 | -               | -  | -                         | -                         | -                         | -                         | -                         | -   |        |
| 20MHz<br>Ch BW<br>100%<br>RB               | Tuning Target + Tolerance [dBm] |                 | 19.9   |                           |                           | Scaling factor*           |                           |                           |   |        |
|  | Conducted Power [dBm]           |                 | 19.3   | 19.4                      | 19.6                      | 0.6                       | 0.5                       | 0.3                       | dB  |        |
|  | Time-averaged power [dBm]       |                 | 19.3   | 19.4                      | 19.6                      | 1.15                      | 1.12                      | 1.07                      | Lin   |        |
|  |                                 |                 | No testing required for this CBW/RB/RB offset configuration according to KDB 941225 D05 SAR for LTE Devices v02r02 |                           |                           |                           |                           |                           |   |        |

**2450MHz Wireless Router SAR results**

| Mode  | Test configuration              | SAR measurement | Measured 1g SAR [W/kg] |                    |                     | Reported* 1g SAR [W/kg] |                    |                     | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|---|---------------------------------|-----------------|------------------------|--------------------|---------------------|-------------------------|--------------------|---------------------|---|--------|
|   |                                 |                 | Ch 1<br>2412.0 MHz     | Ch 6<br>2437.0 MHz | Ch 11<br>2462.0 MHz | Ch 1<br>2412.0 MHz      | Ch 6<br>2437.0 MHz | Ch 11<br>2462.0 MHz |   |        |
| WLAN<br>b-mode<br>BPSK<br>1 Mbps            | Tuning Target + Tolerance [dBm] |                 | 17.5                   |                    |                     | Scaling factor*         |                    |                     |   |        |
|   | Conducted Power [dBm]           |                 | 16.2                   | 16.4               | 16.5                | 1.4                     | 1.1                | 1.1                 | dB  |        |
|   | Time-averaged power [dBm]       |                 | 16.2                   | 16.4               | 16.5                | 1.36                    | 1.29               | 1.27                | Lin   |        |
|   | Back facing phantom             | Estimated SAR   | 0.162                  | 0.174              | 0.196               | 0.221                   | 0.225              | 0.250               | 0.02  | 37     |
|   |                                 | Full SAR        | -                      | -                  | 0.215               | -                       | -                  | 0.274               |   |        |
|   | Display facing phantom          | Estimated SAR   | -                      | 0.111              | -                   | -                       | 0.144              | -                   | -   | -      |
|   |                                 | Full SAR        | -                      | -                  | -                   | -                       | -                  | -                   |   |        |
|   | Top edge facing phantom         | Estimated SAR   | -                      | 0.115              | -                   | -                       | 0.149              | -                   | -   | -      |
|   |                                 | Full SAR        | -                      | -                  | -                   | -                       | -                  | -                   |   |        |
|   | Bottom edge facing phantom      | Estimated SAR   | -                      | 0.023              | -                   | -                       | 0.030              | -                   | -   | -      |
|   |                                 | Full SAR        | -                      | -                  | -                   | -                       | -                  | -                   |   |        |
|   | Left edge facing phantom        | Estimated SAR   | -                      | 0.028              | -                   | -                       | 0.036              | -                   | -   | -      |
|   |                                 | Full SAR        | -                      | -                  | -                   | -                       | -                  | -                   |   |        |
|   | Right edge facing phantom       | Estimated SAR   | -                      | 0.062              | -                   | -                       | 0.081              | -                   | -   | -      |
| Full SAR                                    |                                 | -               | -                      | -                  | -                   | -                       | -                  |                     |   |        |
| CC-3085<br>Back facing phantom              | Estimated SAR                   | 0.164           | 0.182                  | 0.198              | 0.224               | 0.236                   | 0.252              | 0.01                | -   |        |
|   | Full SAR                        | -               | -                      | 0.184              | -                   | -                       | 0.234              |                     |   |        |
| Mode  | Test configuration              | SAR measurement | Measured 1g SAR [W/kg] |                    |                     | Reported* 1g SAR [W/kg] |                    |                     | Max Deviation (Estimated SAR - Full SAR) [W/kg] | Plot # |
|   |                                 |                 | Ch 2<br>2417.0 MHz     | Ch 6<br>2437.0 MHz | Ch 11<br>2462.0 MHz | Ch 2<br>2417.0 MHz      | Ch 6<br>2437.0 MHz | Ch 11<br>2462.0 MHz |   |        |
| WLAN<br>n-mode<br>16QAM<br>26/ 28.9<br>Mbps | Tuning Target + Tolerance [dBm] |                 | 17.5                   |                    |                     | Scaling factor*         |                    |                     |   |        |
|   | Conducted Power [dBm]           |                 | 16.6                   | 16.7               | -                   | 0.9                     | 0.9                | -                   | dB  |        |
|   | Time-averaged power [dBm]       |                 | 16.6                   | 16.7               | -                   | 1.23                    | 1.22               | -                   | Lin   |        |
|   | Back facing phantom             | Estimated SAR   | 0.166                  | 0.177              | -                   | 0.205                   | 0.215              | -                   | -   | -      |
| Full SAR                                    |                                 | -               | -                      | -                  | -                   | -                       | -                  |                     |   |        |

**Simultaneous transmissions: Combined SAR results –  
Individual band Max results**

| Test configuration         | Max. Reported* 1g SAR results |                  |                    |                  |                         |
|----------------------------|-------------------------------|------------------|--------------------|------------------|-------------------------|
|                            | WLAN                          | Antenna 1        |                    |                  |                         |
|                            |                               | LTE700 (Band 17) | WCDMA850 (Band 5)  | LTE850 (Band 5)  | WCDMA1700/2100 (Band 4) |
| Back facing phantom        | 0.274                         | 0.220            | 0.282              | 0.487            | 0.979                   |
| Display facing phantom     | 0.144                         | 0.207            | 0.311              | 0.415            | 0.793                   |
| Top edge facing phantom    | 0.149                         | 0.009            | 0.028              | 0.028            | 0.068                   |
| Bottom edge facing phantom | 0.030                         | 0.208            | 0.444              | 0.132            | 0.613                   |
| Left edge facing phantom   | 0.036                         | 0.069            | 0.047              | 0.201            | 0.091                   |
| Right edge facing phantom  | 0.081                         | 0.223            | 0.257              | 0.461            | 0.246                   |
| Test configuration         | Max. Reported* 1g SAR results |                  |                    |                  |                         |
|                            | Antenna 1                     |                  |                    |                  |                         |
|                            | LTE1700/2100 (Band 4)         | 2-slot GPRS1900  | WCDMA1900 (Band 2) | LTE1900 (Band 2) |                         |
| Back facing phantom        | 0.778                         | 0.970            | 0.883              | 0.745            |                         |
| Display facing phantom     | 0.747                         | 1.14             | 1.06               | 0.750            |                         |
| Top edge facing phantom    | 0.068                         | 0.080            | 0.055              | 0.047            |                         |
| Bottom edge facing phantom | 0.477                         | 0.719            | 0.631              | 0.812            |                         |
| Left edge facing phantom   | 0.093                         | 0.155            | 0.150              | 0.063            |                         |
| Right edge facing phantom  | 0.159                         | 0.244            | 0.247              | 0.280            |                         |

| Test configuration         | Max. Reported* 1g SAR results |                    |                   |                   |                 |                         |
|----------------------------|-------------------------------|--------------------|-------------------|-------------------|-----------------|-------------------------|
|                            | WLAN                          | Antenna 2          |                   |                   |                 |                         |
|                            |                               | LTE700 (Band 17)   | 2-slot GPRS850    | WCDMA850 (band 5) | LTE850 (Band 5) | WCDMA1700/2100 (Band 4) |
| Back facing phantom        | 0.274                         | 0.656              | 0.773             | 0.861             | 0.381           | 1.01                    |
| Display facing phantom     | 0.144                         | 0.528              | 0.561             | 0.717             | 0.444           | 0.696                   |
| Top edge facing phantom    | 0.149                         | 0.022              | 0.020             | 0.028             | 0.016           | 0.048                   |
| Bottom edge facing phantom | 0.030                         | 0.249              | 0.342             | 0.408             | 0.456           | 0.398                   |
| Left edge facing phantom   | 0.036                         | 0.497              | 0.500             | 0.664             | 0.345           | 0.302                   |
| Right edge facing phantom  | 0.081                         | 0.302              | 0.304             | 0.426             | 0.167           | 0.234                   |
| Test configuration         | Max. Reported* 1g SAR results |                    |                   |                   |                 |                         |
|                            | Antenna 2                     |                    |                   |                   |                 |                         |
|                            | LTE1700/2100 (Band 4)         | WCDMA1900 (Band 2) | LTE 1900 (Band 2) | LTE2500 (Band 7)  |                 |                         |
| Back facing phantom        | 0.796                         | 0.857              | 0.615             | 0.707             |                 |                         |
| Display facing phantom     | 0.705                         | 0.589              | 0.649             | 0.616             |                 |                         |
| Top edge facing phantom    | 0.043                         | 0.047              | 0.045             | 0.019             |                 |                         |
| Bottom edge facing phantom | 0.287                         | 0.490              | 0.182             | 0.980             |                 |                         |
| Left edge facing phantom   | 0.271                         | 0.352              | 0.368             | 0.110             |                 |                         |
| Right edge facing phantom  | 0.208                         | 0.200              | 0.075             | 0.054             |                 |                         |



**Simultaneous transmissions: Combined SAR results –  
Max + Max combined results**

| Test configuration         | Max. Reported* 1g SAR results |                          |                            |                                |
|----------------------------|-------------------------------|--------------------------|----------------------------|--------------------------------|
|                            | Antenna 1 + WLAN              |                          |                            |                                |
|                            | LTE700 (Band 17) + WLAN       | WCDMA850 (Band 5) + WLAN | LTE850 (Band 5) + WLAN     | WCDMA1700/2100 (Band 4) + WLAN |
| Back facing phantom        | 0.494                         | 0.556                    | <b>0.761</b>               | 1.25                           |
| Display facing phantom     | 0.351                         | 0.455                    | 0.559                      | 0.937                          |
| Top edge facing phantom    | 0.158                         | 0.177                    | 0.177                      | 0.217                          |
| Bottom edge facing phantom | 0.238                         | 0.474                    | 0.162                      | 0.643                          |
| Left edge facing phantom   | 0.105                         | 0.083                    | 0.237                      | 0.127                          |
| Right edge facing phantom  | 0.304                         | 0.338                    | 0.542                      | 0.327                          |
| Test configuration         | Max. Reported* 1g SAR results |                          |                            |                                |
|                            | Antenna 1 + WLAN              |                          |                            |                                |
|                            | LTE1700/ 2100 (Band 4) + WLAN | 2-slot GPRS 1900 + WLAN  | WCDMA 1900 (Band 2) + WLAN | LTE1900 (Band 2) + WLAN        |
| Back facing phantom        | 1.05                          | 1.24                     | 1.16                       | <b>1.02</b>                    |
| Display facing phantom     | 0.891                         | <b>1.28</b>              | <b>1.20</b>                | 0.894                          |
| Top edge facing phantom    | 0.217                         | 0.229                    | 0.204                      | 0.196                          |
| Bottom edge facing phantom | 0.507                         | 0.749                    | 0.661                      | 0.842                          |
| Left edge facing phantom   | 0.129                         | 0.191                    | 0.186                      | 0.099                          |
| Right edge facing phantom  | 0.240                         | 0.325                    | 0.328                      | 0.361                          |

| Test configuration         | Max. Reported* 1g SAR results |                           |                          |                         |                                |
|----------------------------|-------------------------------|---------------------------|--------------------------|-------------------------|--------------------------------|
|                            | Antenna 2                     |                           |                          |                         |                                |
|                            | LTE700 (Band 17) + WLAN       | 2-slot GPRS850 + WLAN     | WCDMA850 (band 5) + WLAN | LTE850 (Band 5) + WLAN  | WCDMA1700/2100 (Band 4) + WLAN |
| Back facing phantom        | 0.930                         | 1.05                      | 1.14                     | 0.655                   | 1.28                           |
| Display facing phantom     | 0.672                         | 0.705                     | 0.861                    | 0.588                   | 0.84                           |
| Top edge facing phantom    | 0.171                         | 0.169                     | 0.177                    | 0.165                   | 0.197                          |
| Bottom edge facing phantom | 0.279                         | 0.372                     | 0.438                    | 0.486                   | 0.428                          |
| Left edge facing phantom   | 0.533                         | 0.536                     | 0.700                    | 0.381                   | 0.338                          |
| Right edge facing phantom  | 0.383                         | 0.385                     | 0.507                    | 0.248                   | 0.315                          |
| Test configuration         | Max. Reported* 1g SAR results |                           |                          |                         |                                |
|                            | Antenna 2                     |                           |                          |                         |                                |
|                            | LTE1700/ 2100 (Band 4) + WLAN | WCDMA1900 (Band 2) + WLAN | LTE 1900 (Band 2) + WLAN | LTE2500 (Band 7) + WLAN |                                |
| Back facing phantom        | 1.07                          | 1.13                      | 0.889                    | 0.981                   |                                |
| Display facing phantom     | 0.849                         | 0.733                     | 0.793                    | 0.760                   |                                |
| Top edge facing phantom    | 0.192                         | 0.196                     | 0.194                    | 0.168                   |                                |
| Bottom edge facing phantom | 0.317                         | 0.520                     | 0.212                    | 1.01                    |                                |
| Left edge facing phantom   | 0.307                         | 0.388                     | 0.404                    | 0.146                   |                                |
| Right edge facing phantom  | 0.289                         | 0.281                     | 0.156                    | 0.135                   |                                |

Note: Simultaneous Transmission Procedures as described in KDB648474 are not required for this product.

### 7.3.1 Combined Body SAR data

**The Combined SAR data given in the tables below has been voluntarily calculated and should be ignored for FCC certification.**

The following table gives a more accurate assessment of the SAR values for simultaneous transmission. These values have been calculated using the SPEAG Combined Multiband algorithm, which is based on area scans. It a) converts the 2D area scans into 3D volume scans by assuming frequency-dependent decay characteristics for the E-field, b) sums the SAR values for WLAN2450 and the cellular bands point-by-point and c) calculates the combined average SAR values.

**Simultaneous transmissions: Combined SAR results –  
SPEAG Combined Multiband algorithm results**

| Test configuration         | Max. Reported* 1g SAR results       |                                |                                  |                                      |
|----------------------------|-------------------------------------|--------------------------------|----------------------------------|--------------------------------------|
|                            | Antenna 1 + WLAN                    |                                |                                  |                                      |
|                            | LTE700<br>(Band 17)<br>+ WLAN       | WCDMA850<br>(Band 5)<br>+ WLAN | LTE850<br>(Band 5)<br>+ WLAN     | WCDMA1700/2100<br>(Band 4)<br>+ WLAN |
| Back facing phantom        | -                                   | -                              | 0.562                            | -                                    |
| Display facing phantom     | -                                   | -                              | -                                | -                                    |
| Top edge facing phantom    | -                                   | -                              | -                                | -                                    |
| Bottom edge facing phantom | -                                   | -                              | -                                | -                                    |
| Left edge facing phantom   | -                                   | -                              | -                                | -                                    |
| Right edge facing phantom  | -                                   | -                              | -                                | -                                    |
| Test configuration         | Max. Reported* 1g SAR results       |                                |                                  |                                      |
|                            | Antenna 1 + WLAN                    |                                |                                  |                                      |
|                            | LTE1700/ 2100<br>(Band 4)<br>+ WLAN | 2-slot GPRS<br>1900<br>+ WLAN  | WCDMA 1900<br>(Band 2)<br>+ WLAN | LTE1900<br>(Band 2)<br>+ WLAN        |
| Back facing phantom        | -                                   | -                              | -                                | 0.774                                |
| Display facing phantom     | -                                   | 1.13                           | 1.04                             | -                                    |
| Top edge facing phantom    | -                                   | -                              | -                                | -                                    |
| Bottom edge facing phantom | -                                   | -                              | -                                | -                                    |
| Left edge facing phantom   | -                                   | -                              | -                                | -                                    |
| Right edge facing phantom  | -                                   | -                              | -                                | -                                    |

| Test configuration         | Max. Reported* 1g SAR results |                           |                          |                         |                                |
|----------------------------|-------------------------------|---------------------------|--------------------------|-------------------------|--------------------------------|
|                            | Antenna 2                     |                           |                          |                         |                                |
|                            | LTE700 (Band 17) + WLAN       | 2-slot GPRS850 + WLAN     | WCDMA850 (band 5) + WLAN | LTE850 (Band 5) + WLAN  | WCDMA1700/2100 (Band 4) + WLAN |
| Back facing phantom        | 0.665                         | 0.798                     | 0.912                    | -                       | 1.04                           |
| Display facing phantom     | -                             | -                         | -                        | -                       | -                              |
| Top edge facing phantom    | -                             | -                         | -                        | -                       | -                              |
| Bottom edge facing phantom | -                             | -                         | -                        | -                       | -                              |
| Left edge facing phantom   | -                             | -                         | -                        | -                       | -                              |
| Right edge facing phantom  | -                             | -                         | -                        | -                       | -                              |
| Test configuration         | Max. Reported* 1g SAR results |                           |                          |                         |                                |
|                            | Antenna 2                     |                           |                          |                         |                                |
|                            | LTE1700/ 2100 (Band 4) + WLAN | WCDMA1900 (Band 2) + WLAN | LTE 1900 (Band 2) + WLAN | LTE2500 (Band 7) + WLAN |                                |
| Back facing phantom        | 0.816                         | -                         | -                        | -                       |                                |
| Display facing phantom     | -                             | -                         | -                        | -                       |                                |
| Top edge facing phantom    | -                             | -                         | -                        | -                       |                                |
| Bottom edge facing phantom | -                             | -                         | -                        | 0.985                   |                                |
| Left edge facing phantom   | -                             | -                         | -                        | -                       |                                |
| Right edge facing phantom  | -                             | -                         | -                        | -                       |                                |

Some of the Combined SAR values in the above table are less than the maximum SAR values for the contributing cellular band. This is due to a) minimal overlap of the SAR distributions of the cellular band with WLAN2450 and b) uncertainties associated with the different methods of calculation. In these cases, the maximum SAR values given for the combined Modes in the Summary table in Section 1.2 are those for the individual cellular band.

Note: Simultaneous Transmission Procedures as described in KDB648474 are not required for this product. The Combined SAR data given in the tables above has been voluntarily calculated.

Plots of the Measurement scans are given in Appendix B.

**APPENDIX A: SYSTEM CHECK SCANS**

**Plot1:**

Date/Time: 2014-04-11 8:01:23 AM

Test Laboratory: TCC Nokia

Type: **D750V3**; Serial: **D750V3 - SN:1010**

**Communication System: CW750**

Frequency: 750 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: T=21.5C

Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.883$  S/m;  $\epsilon_r = 40.456$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3275
- ConvF(6.32, 6.32, 6.32); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn756; Calibrated: 2014-01-10
- Phantom: SAM 4 06-28-2013; Type: QD000P40CD; Serial: TP1630
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.8 (7028)

**d=15mm, Pin=250mW/Area Scan (61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 53.033 V/m

Fast SAR: SAR(1 g) = 2.31 W/kg

Fast SAR(10 g) = 1.57 W/kg

Maximum value of SAR (interpolated) = 2.64 W/kg

**d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 53.033 V/m

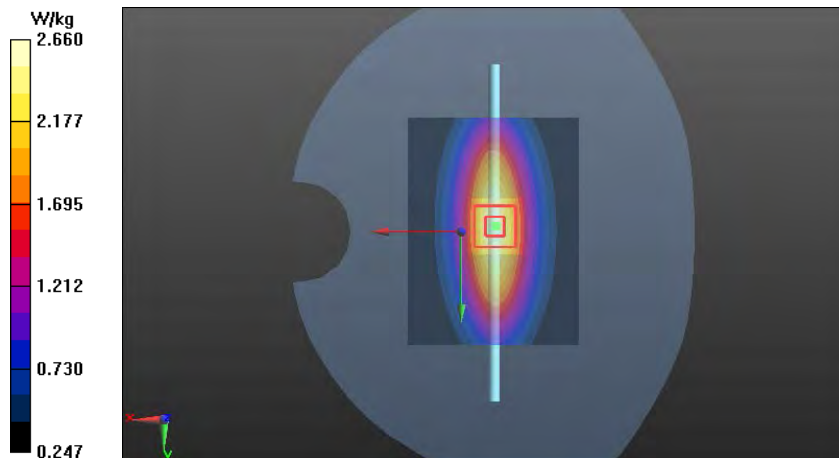
Peak SAR (extrapolated) = 3.37 W/kg

**SAR(1 g) = 2.27 W/kg**

**SAR(10 g) = 1.49 W/kg**

**Power Drift = 0.01 dB**

Maximum value of SAR (measured) = 2.66 W/kg



**Plot2:**

Date/Time: 2014-04-10 7:55:04 AM

Test Laboratory: TCC Nokia

Type: D835V2; Serial: D835V2 - SN 4d040

**Communication System: CW835**

Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium Notes: T=21.5C

Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.89$  S/m;  $\epsilon_r = 40.288$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3275
- ConvF(6.12, 6.12, 6.12); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn756; Calibrated: 2014-01-10
- Phantom: SAM1 01-28-2014; Type: QD000P40CC; Serial: TP:1279
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.8 (7028)

**d=15mm, Pin=250mW/Area Scan (61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 56.709 V/m

Fast SAR: SAR(1 g) = 2.63 W/kg

Fast SAR(10 g) = 1.77 W/kg

Maximum value of SAR (interpolated) = 3.03 W/kg

**d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 56.709 V/m

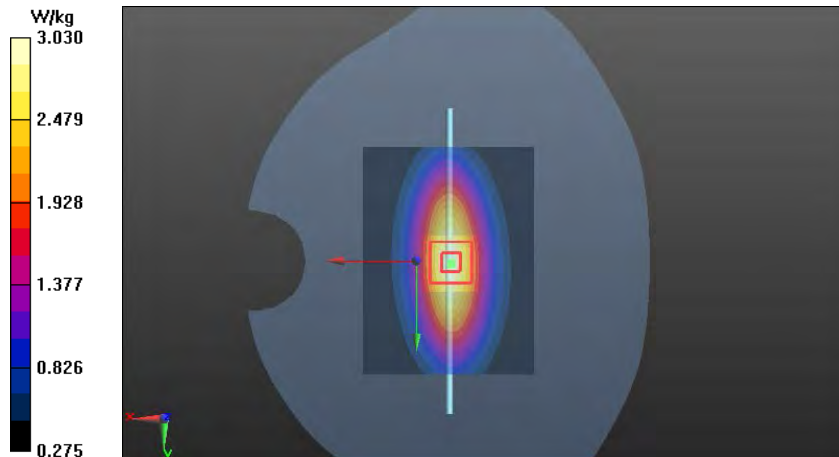
Peak SAR (extrapolated) = 3.86 W/kg

**SAR(1 g) = 2.59 W/kg**

**SAR(10 g) = 1.69 W/kg**

**Power Drift = -0.01 dB**

Maximum value of SAR (measured) = 3.03 W/kg



**Plot3:**

Date/Time: 2014-04-11 8:23:39 AM

Test Laboratory: TCC Nokia

Type: **D1750V2**; Serial: **D1750V2 - SN:1081**

**Communication System: CW 1750**

Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium Notes: T=21.5C

Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.356$  S/m;  $\epsilon_r = 40.437$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3112
- ConvF(5.25, 5.25, 5.25); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1332; Calibrated: 2014-01-16
- Phantom: SAM1 04/25/2013; Type: QD000P40CD; Serial: TP: 1735
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

**d=10mm, Pin=250mW/Area Scan (61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 89.394 V/m

Fast SAR: SAR(1 g) = 9.51 W/kg

Fast SAR(10 g) = 5.09 W/kg

Maximum value of SAR (interpolated) = 11.8 W/kg

**d=10mm, Pin=250mW/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 89.394 V/m

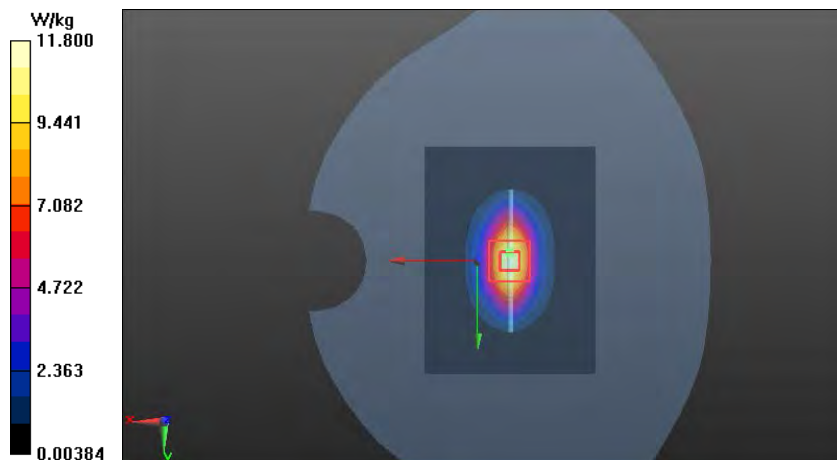
Peak SAR (extrapolated) = 16.7 W/kg

**SAR(1 g) = 9.32 W/kg**

**SAR(10 g) = 4.94 W/kg**

**Power Drift = 0.00 dB**

Maximum value of SAR (measured) = 11.7 W/kg



**Plot4:**

Date/Time: 2014-04-08 9:16:32 AM

Test Laboratory: TCC Nokia  
Type: **D1900V2**; Serial: **D1900V2 - SN:5d099**

**Communication System: CW1900**

Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium Notes: T= 21.5c

Medium parameters used: f = 1900 MHz;  $\sigma = 1.401$  S/m;  $\epsilon_r = 38.558$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3112
- ConvF(5.11, 5.11, 5.11); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1332; Calibrated: 2014-01-16
- Phantom: SAM3 06/28/2013; Type: QD000P40CD; Serial: TP: 1630
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

**d=10mm, Pin=250mW/Area Scan (61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 92.745 V/m

Fast SAR: SAR(1 g) = 10.7 W/kg

Fast SAR(10 g) = 5.53 W/kg

Maximum value of SAR (interpolated) = 13.6 W/kg

**d=10mm, Pin=250mW/Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 92.745 V/m

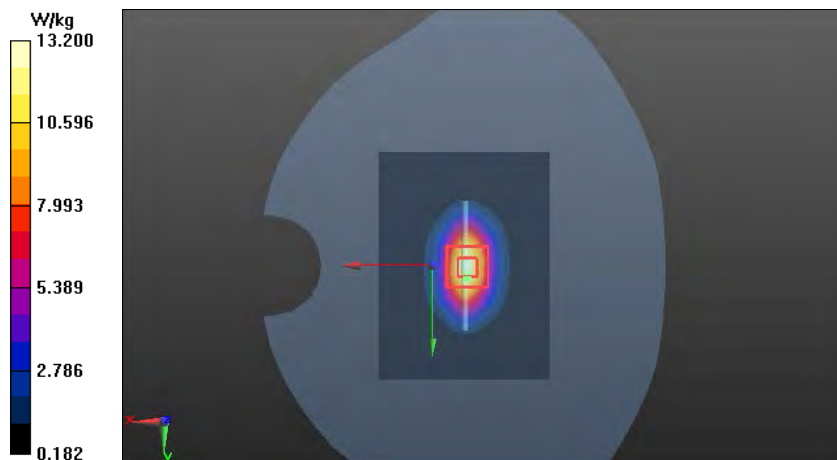
Peak SAR (extrapolated) = 19.0 W/kg

**SAR(1 g) = 10.5 W/kg**

**SAR(10 g) = 5.45 W/kg**

**Power Drift = -0.03 dB**

Maximum value of SAR (measured) = 13.2 W/kg





**Plot5:**

Date/Time: 2014-04-08 8:52:27 AM

Test Laboratory: Nokia  
Type: D2450V2; Serial: D2450V2 - SN:800

**Communication System: CW2450**

Frequency: 2450 MHz; Duty Cycle: 1:1  
Medium: HSL2450 - 2600; Medium Notes: t= 21.5 C  
Medium parameters used: f = 2450 MHz;  $\sigma = 1.816$  S/m;  $\epsilon_r = 38.388$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY Configuration:  
- Probe: EX3DV4 - SN3817  
- ConvF(7.2, 7.2, 7.2); Calibrated: 2014-01-17;  
- Sensor-Surface: 3mm (Mechanical Surface Detection)  
- Electronics: DAE4 Sn1301; Calibrated: 2014-01-13  
- Phantom: SAM4 2014-04-04; Type: QD000P40CD; Serial: TP:1736  
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

**Configuration (2450MHz)/d=10mm, Pin=250mW/Area Scan (61x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 99.342 V/m  
Fast SAR: SAR(1 g) = 13.9 W/kg  
Fast SAR(10 g) = 6.12 W/kg  
Maximum value of SAR (interpolated) = 19.0 W/kg

**Configuration (2450MHz)/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 99.342 V/m  
Peak SAR (extrapolated) = 28.7 W/kg  
**SAR(1 g) = 13.9 W/kg**  
**SAR(10 g) = 6.49 W/kg**  
**Power Drift = -0.12 dB**  
Maximum value of SAR (measured) = 18.2 W/kg



**Plot6:**

Date/Time: 2014-04-14 11:39:44 AM

Test Laboratory: TCC Nokia

Type: **D2600V2**; Serial: **D2600V2 - SN:1064**

**Communication System: CW2600**

Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: HSL2450 - 2600; Medium Notes: T= 21.5 C

Medium parameters used: f = 2600 MHz;  $\sigma = 1.966$  S/m;  $\epsilon_r = 37.357$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: E53DV3 - SN3275
- ConvF(4.25, 4.25, 4.25); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn756; Calibrated: 2014-01-10
- Phantom: SAM3 02-04-2014; Type: QD000P40CD; Serial: TP: 1729
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.8 (7028)

**d=10mm, Pin=250mW 2/Area Scan (61x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 96.855 V/m

Fast SAR: SAR(1 g) = 15.5 W/kg

Fast SAR(10 g) = 6.94 W/kg

Maximum value of SAR (interpolated) = 20.5 W/kg

**d=10mm, Pin=250mW 2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 96.855 V/m

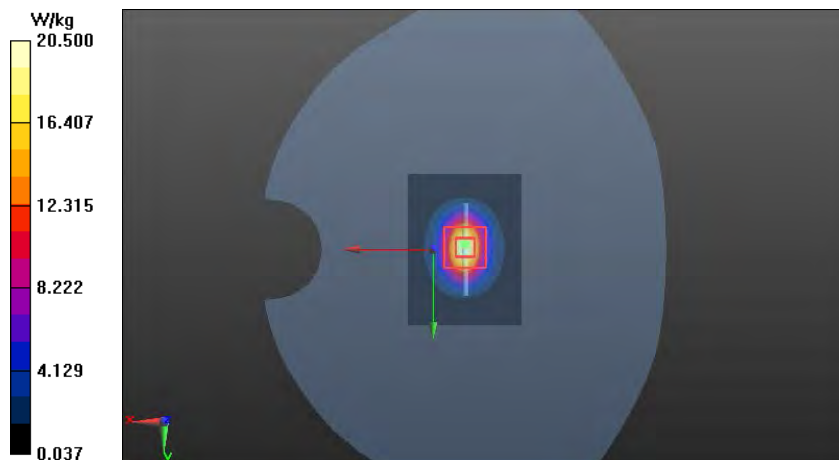
Peak SAR (extrapolated) = 32.4 W/kg

**SAR(1 g) = 15.1 W/kg**

**SAR(10 g) = 6.71 W/kg**

**Power Drift = -0.02 dB**

Maximum value of SAR (measured) = 20.0 W/kg



**Plot7:**

Date/Time: 2014-04-18 3:58:55 PM

Test Laboratory: TCC Nokia  
Type: **D750V3**; Serial: **D750V3 - SN:1010**

**Communication System: CW750**

Frequency: 750 MHz; Duty Cycle: 1:1

Medium: BSL750; Medium Notes: T=21.5C

Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.944$  S/m;  $\epsilon_r = 54.393$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY Configuration:

- Probe: E53DV3 - SN3275
- ConvF(6.03, 6.03, 6.03); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn756; Calibrated: 2014-01-10
- Phantom: Triple Flat Phantom 5.1C 06-28-2013; Type: QD 000 P51 CA; Serial: 1129/2
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.8 (7028)

**d=15mm, Pin=250mW/Area Scan (61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 49.139 V/m

Fast SAR: SAR(1 g) = 2.27 W/kg

Fast SAR(10 g) = 1.55 W/kg

Maximum value of SAR (interpolated) = 2.60 W/kg

**d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 49.139 V/m

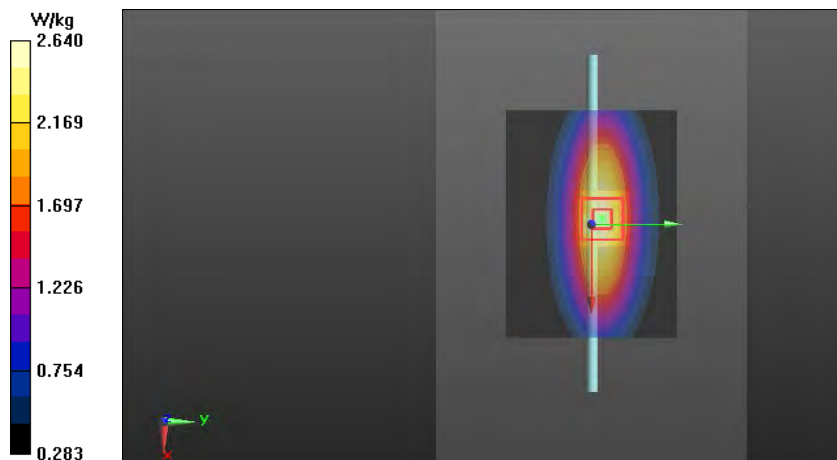
Peak SAR (extrapolated) = 3.31 W/kg

**SAR(1 g) = 2.26 W/kg**

**SAR(10 g) = 1.5 W/kg**

**Power Drift = -0.01 dB**

Maximum value of SAR (measured) = 2.64 W/kg



**Plot8:**

Date/Time: 2014-04-21 1:37:32 PM

Test Laboratory: TCC Nokia

Type: D835V2; Serial: D835V2 - SN 4d040

**Communication System: CW835**

Frequency: 835 MHz; Duty Cycle: 1:1

Medium: BSL800; Medium Notes: T= 21.5c

Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.98$  S/m;  $\epsilon_r = 53.269$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3275
- ConvF(6.01, 6.01, 6.01); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn756; Calibrated: 2014-01-10
- Phantom: Triple Flat Phantom 5.1C 06-28-2013; Type: QD 000 P51 CA; Serial: 1129/2
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.8 (7028)

**d=15mm, Pin=250mW/Area Scan (61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 48.077 V/m

Fast SAR: SAR(1 g) = 2.22 W/kg

Fast SAR(10 g) = 1.49 W/kg

Maximum value of SAR (interpolated) = 2.56 W/kg

**d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 48.077 V/m

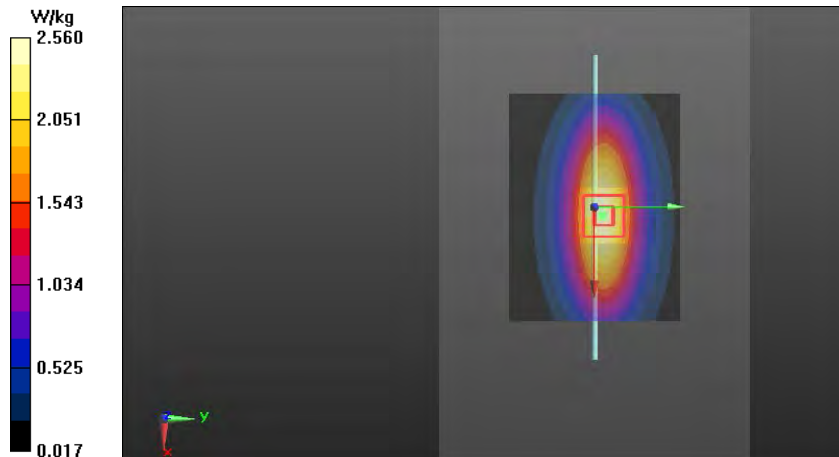
Peak SAR (extrapolated) = 3.21 W/kg

**SAR(1 g) = 2.21 W/kg**

**SAR(10 g) = 1.45 W/kg**

**Power Drift = -0.00 dB**

Maximum value of SAR (measured) = 2.57 W/kg



**Plot9:**

Date/Time: 2014-04-16 10:23:37 AM

Test Laboratory: TCC Nokia

Type: **D1750V2**; Serial: **D1750V2 - SN:1081**

**Communication System: CW1750**

Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: BSL1750; Medium Notes: T= 21.5c

Medium parameters used: f = 1750 MHz;  $\sigma = 1.433$  S/m;  $\epsilon_r = 53.052$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3112
- ConvF(4.9, 4.9, 4.9); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1332; Calibrated: 2014-01-16
- Phantom: TF Phampton 06\_28\_2013; Type: QD 000 P51 CA; Serial: 06/28/2013
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

**d=10mm, Pin=250mW/Area Scan (81x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 87.363 V/m

Fast SAR: SAR(1 g) = 9.31 W/kg

Fast SAR(10 g) = 4.88 W/kg

Maximum value of SAR (interpolated) = 11.7 W/kg

**d=10mm, Pin=250mW/Zoom Scan (6x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 87.363 V/m

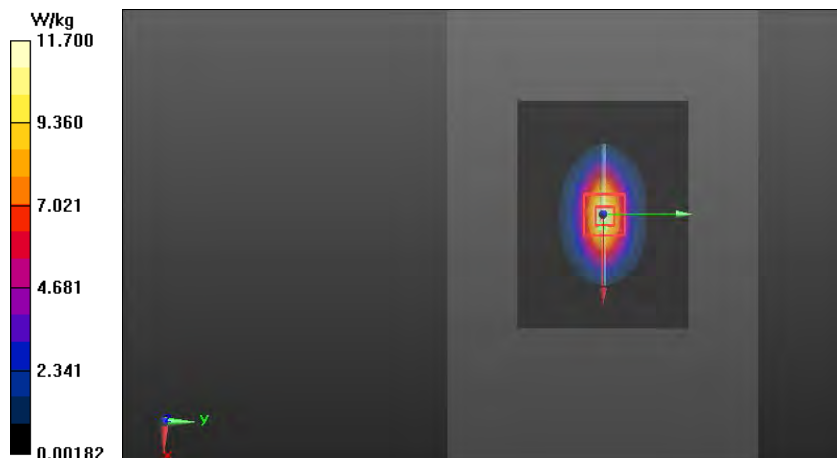
Peak SAR (extrapolated) = 15.6 W/kg

**SAR(1 g) = 9.22 W/kg**

**SAR(10 g) = 5 W/kg**

**Power Drift = -0.02 dB**

Maximum value of SAR (measured) = 11.5 W/kg



**Plot10:**

Date/Time: 2014-04-12 7:33:56 AM

Test Laboratory: TCC Nokia

Type: D1900V2; Serial: D1900V2 - SN:5d099

**Communication System: CW1900**

Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: BSL1900; Medium Notes: T= 21.5c

Medium parameters used: f = 1900 MHz;  $\sigma = 1.479$  S/m;  $\epsilon_r = 52.233$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3112
- ConvF(4.73, 4.73, 4.73); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1332; Calibrated: 2014-01-16
- Phantom: TF Phantptom 06\_28\_2013; Type: QD 000 P51 CA; Serial: 06/28/2013
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

**Configuration (1-2GHz)/d=10mm, Pin=250mW/Area Scan (81x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 87.848 V/m

Fast SAR: SAR(1 g) = 9.91 W/kg

Fast SAR(10 g) = 5.01 W/kg

Maximum value of SAR (interpolated) = 13.0 W/kg

**Configuration (1-2GHz)/d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 87.848 V/m

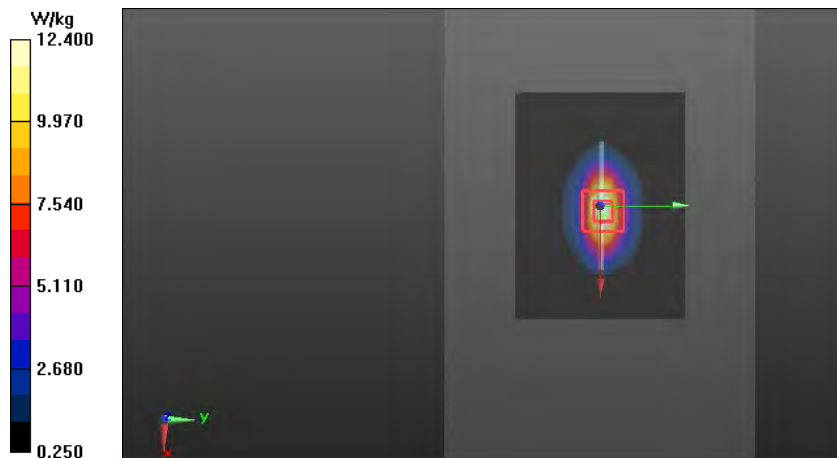
Peak SAR (extrapolated) = 17.3 W/kg

**SAR(1 g) = 9.98 W/kg**

**SAR(10 g) = 5.3 W/kg**

**Power Drift = 0.01 dB**

Maximum value of SAR (measured) = 12.4 W/kg



**Plot11:**

Date/Time: 2014-04-11 7:33:42 AM

Test Laboratory: Nokia

Type: D2450V2; Serial: D2450V2 - SN:800

**Communication System: CW2450**

Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: BSL2450 - 2600; Medium Notes:  $t = 21.5$  C

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.896$  S/m;  $\epsilon_r = 53.415$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN3817
- ConvF(7.2, 7.2, 7.2); Calibrated: 2014-01-17;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1301; Calibrated: 2014-01-13
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 2014 Mar 12
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

**d=10mm, Pin=250mW 2/Area Scan (81x61x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 82.409 V/m

Fast SAR: SAR(1 g) = 13 W/kg

Fast SAR(10 g) = 5.63 W/kg

Maximum value of SAR (interpolated) = 17.8 W/kg

**d=10mm, Pin=250mW 2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 82.409 V/m

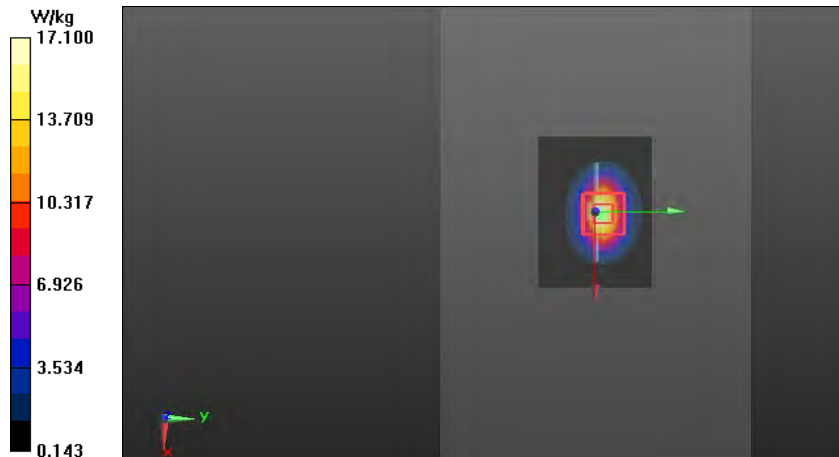
Peak SAR (extrapolated) = 25.9 W/kg

**SAR(1 g) = 13.1 W/kg**

**SAR(10 g) = 6.2 W/kg**

**Power Drift = 0.06 dB**

Maximum value of SAR (measured) = 17.1 W/kg



**Plot12:**

Date/Time: 2014-04-16 8:22:33 AM

Test Laboratory: TCC Nokia

Type: D2600V2; Serial: D2600V2 - SN:1064

**Communication System: CW2600**

Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: BSL2450 - 2600; Medium Notes: T= 21.5 C

Medium parameters used: f = 2600 MHz;  $\sigma = 2.09$  S/m;  $\epsilon_r = 53.142$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3275
- ConvF(3.98, 3.98, 3.98); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn756; Calibrated: 2014-01-10
- Phantom: Triple Flat Phantom 5.1C 06-28-2013; Type: QD 000 P51 CA; Serial: 1129/2
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.8 (7028)

**d=10mm, Pin=250mW/Area Scan (81x61x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 88.815 V/m

Fast SAR: SAR(1 g) = 14.5 W/kg

Fast SAR(10 g) = 6.3 W/kg

Maximum value of SAR (interpolated) = 19.3 W/kg

**d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 88.815 V/m

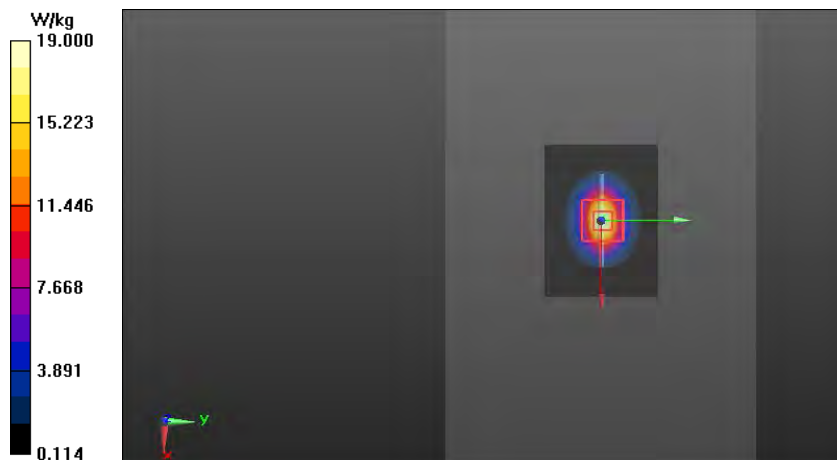
Peak SAR (extrapolated) = 31.3 W/kg

**SAR(1 g) = 14.2 W/kg**

**SAR(10 g) = 6.38 W/kg**

**Power Drift = 0.02 dB**

Maximum value of SAR (measured) = 19.0 W/kg





**APPENDIX B: MEASUREMENT SCANS**

**Plot1:**

Date/Time: 2014-04-11 2:12:32 PM

Test Laboratory: TCC Nokia  
Type: RM-975; Serial: 004402/47/804000/3

**Communication System: LTE700 (Band 17)**

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: T=21.5C

Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.857$  S/m;  $\epsilon_r = 40.723$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3275
- ConvF(6.32, 6.32, 6.32); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn756; Calibrated: 2014-01-10
- Phantom: SAM 4 06-28-2013; Type: QD000P40CD; Serial: TP1630
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.8 (7028)

**LTE700 (Band 17) - Left/Cheek - Middle - QPSK - 10MHz - 1RB - 100% offset - Antenna 2/Area Scan (81x121x1):**

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 21.774 V/m

Fast SAR: SAR(1 g) = 0.344 W/kg

Fast SAR(10 g) = 0.245 W/kg

Maximum value of SAR (interpolated) = 0.386 W/kg

**LTE700 (Band 17) - Left/Cheek - Middle - QPSK - 10MHz - 1RB - 100% offset - Antenna 2/Zoom Scan**

**(5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm**

Reference Value = 21.388 V/m

Peak SAR (extrapolated) = 0.425 W/kg

**SAR(1 g) = 0.342 W/kg**

**SAR(10 g) = 0.263 W/kg**

**Power Drift = 0.01 dB**

Maximum value of SAR (measured) = 0.375 W/kg



**Plot2:**

Date/Time: 2014-04-09 5:45:18 PM

Test Laboratory: TCC Nokia

Type: RM-975; Serial: 004402/47/804000/3

**Communication System: 2-slot GPRS850**

Frequency: 824.2 MHz; Duty Cycle: 1:4.19952

Medium: HSL835; Medium Notes: T=21.5C

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.883$  S/m;  $\epsilon_r = 40.368$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3275
- ConvF(6.12, 6.12, 6.12); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn756; Calibrated: 2014-01-10
- Phantom: SAM1 01-28-2014; Type: QD000P40CC; Serial: TP:1279
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.10 (7164)

**2-slot GPRS850 - Left/Cheek - Low - Antenna 2 - Cover CC-3085/Area Scan (81x121x1): Interpolated grid:**

$dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 27.396 V/m

Fast SAR: SAR(1 g) = 0.634 W/kg

Fast SAR(10 g) = 0.444 W/kg

Maximum value of SAR (interpolated) = 0.715 W/kg

**2-slot GPRS850 - Left/Cheek - Low - Antenna 2 - Cover CC-3085/Zoom Scan (6x6x7)/Cube 0: Measurement grid:**

$dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm

Reference Value = 26.959 V/m

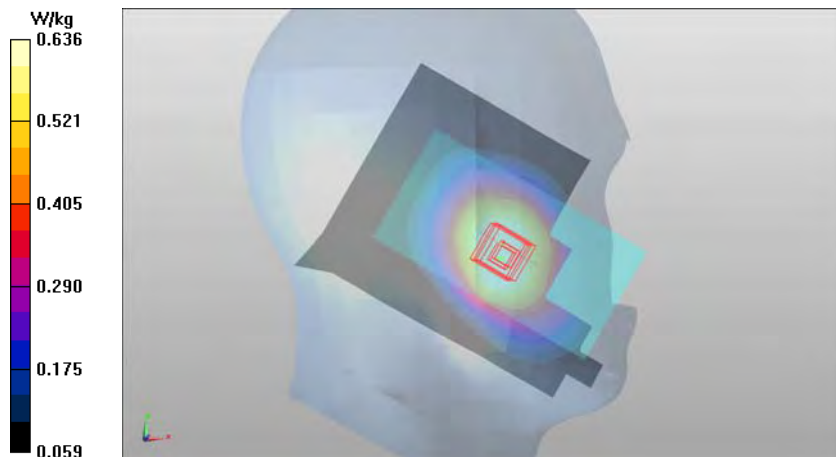
Peak SAR (extrapolated) = 0.749 W/kg

**SAR(1 g) = 0.583 W/kg**

**SAR(10 g) = 0.441 W/kg**

**Power Drift = -0.02 dB**

Maximum value of SAR (measured) = 0.636 W/kg



**Plot3:**

Date/Time: 2014-04-08 9:42:44 PM

Test Laboratory: TCC Nokia

Type: RM-975; Serial: 004402/47/804000/3

**Communication System: WCDMA850 (Band 5)**

Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium Notes: T=21.5C

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.879$  S/m;  $\epsilon_r = 40.227$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3275
- ConvF(6.12, 6.12, 6.12); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn756; Calibrated: 2014-01-10
- Phantom: SAM1 01-28-2014; Type: QD000P40CC; Serial: TP:1279
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.10 (7164)

**WCDMA850 (Band 5) - Left/Cheek - Low - Antenna 2 - Cover CC-3085/Area Scan (81x121x1): Interpolated grid:**

$dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 26.960 V/m

Fast SAR: SAR(1 g) = 0.606 W/kg

Fast SAR(10 g) = 0.426 W/kg

Maximum value of SAR (interpolated) = 0.684 W/kg

**WCDMA850 (Band 5) - Left/Cheek - Low - Antenna 2 - Cover CC-3085/Zoom Scan (6x6x7)/Cube 0: Measurement**

grid:  $dx=7.5$ mm,  $dy=7.5$ mm,  $dz=5$ mm

Reference Value = 26.773 V/m

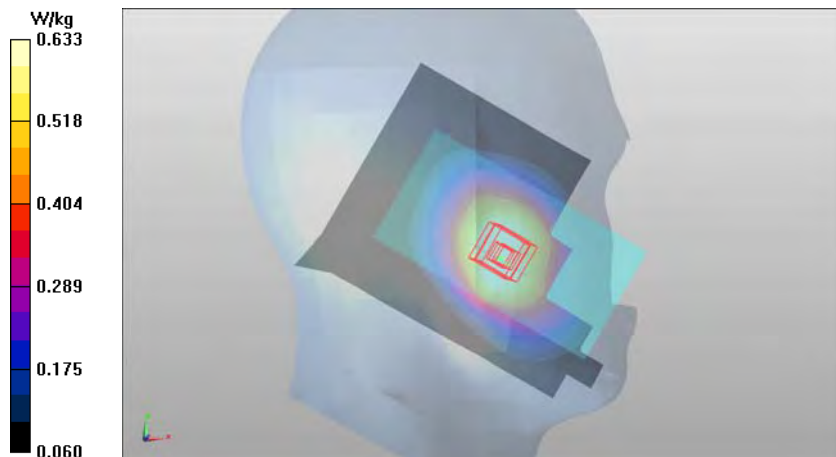
Peak SAR (extrapolated) = 0.742 W/kg

**SAR(1 g) = 0.582 W/kg**

**SAR(10 g) = 0.438 W/kg**

**Power Drift = 0.05 dB**

Maximum value of SAR (measured) = 0.633 W/kg



**Plot4:**

Date/Time: 2014-04-10 5:17:11 PM

Test Laboratory: TCC Nokia  
Type: RM-975; Serial: 004402/47/804000/3

**Communication System: LTE850 (Band 5)**

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL835; Medium Notes: T=21.5C

Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 0.891$  S/m;  $\epsilon_r = 40.281$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3275
- ConvF(6.12, 6.12, 6.12); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn756; Calibrated: 2014-01-10
- Phantom: SAM1 01-28-2014; Type: QD000P40CC; Serial: TP:1279
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.10 (7164)

**LTE850 (Band 5) - Left/Cheek - Middle - QPSK - 10MHz - 1RB - 0% offset - Antenna 2 - Cover CC-3085/Area Scan (81x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 22.402 V/m

Fast SAR: SAR(1 g) = 0.408 W/kg

Fast SAR(10 g) = 0.286 W/kg

Maximum value of SAR (interpolated) = 0.461 W/kg

**LTE850 (Band 5) - Left/Cheek - Middle - QPSK - 10MHz - 1RB - 0% offset - Antenna 2 - Cover CC-3085/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 22.402 V/m

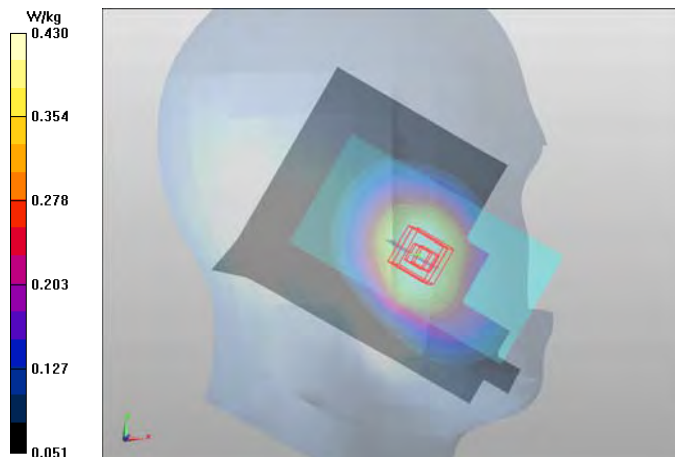
Peak SAR (extrapolated) = 0.501 W/kg

**SAR(1 g) = 0.396 W/kg**

**SAR(10 g) = 0.300 W/kg**

**Power Drift = 0.05 dB**

Maximum value of SAR (measured) = 0.430 W/kg



**Plot5:**

Date/Time: 2014-04-11 1:14:41 AM

Test Laboratory: TCC Nokia  
Type: RM-975; Serial: 004402/47/804009/4

**Communication System: WCDMA1700/2100 (Band 4)**

Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium Notes: T=21.5C

Medium parameters used (interpolated):  $f = 1732.4$  MHz;  $\sigma = 1.342$  S/m;  $\epsilon_r = 40.124$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3112
- ConvF(5.25, 5.25, 5.25); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1332; Calibrated: 2014-01-16
- Phantom: SAM1 04/25/2013; Type: QD000P40CD; Serial: TP: 1735
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**WCDMA1700/2100 (Band 4) - Left/Cheek - Middle - Antenna 2 - Cover CC-3085/Area Scan (81x121x1):**

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 23.533 V/m

Fast SAR: SAR(1 g) = 0.618 W/kg

Fast SAR(10 g) = 0.382 W/kg

Maximum value of SAR (interpolated) = 0.740 W/kg

**WCDMA1700/2100 (Band 4) - Left/Cheek - Middle - Antenna 2 - Cover CC-3085/Zoom Scan (6x6x7)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 24.113 V/m

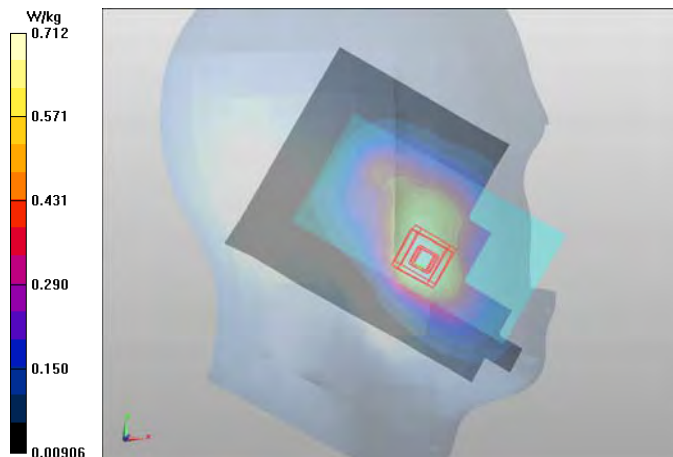
Peak SAR (extrapolated) = 0.917 W/kg

**SAR(1 g) = 0.627 W/kg**

**SAR(10 g) = 0.410 W/kg**

**Power Drift = -0.06 dB**

Maximum value of SAR (measured) = 0.712 W/kg



**Plot6:**

Date/Time: 2014-04-11 7:13:40 PM

Test Laboratory: TCC Nokia

Type: RM-975; Serial: 004402/47/804009/4

**Communication System: LTE1700/2100 (Band 4)**

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium Notes: T=21.5C

Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.339$  S/m;  $\epsilon_r = 40.548$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3112
- ConvF(5.25, 5.25, 5.25); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1332; Calibrated: 2014-01-16
- Phantom: SAM1 04/25/2013; Type: QD000P40CD; Serial: TP: 1735
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.10 (7164)

**LTE1700/2100 (Band 4) - Left/Cheek - Middle - QPSK - 20MHz - 1RB - 100% offset - Antenna 2 - Cover CC3085/Area Scan (81x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 21.925 V/m; Power Drift = 0.02 dB

Fast SAR: SAR(1 g) = 0.530 W/kg;

Fast SAR(10 g) = 0.324 W/kg

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

**LTE1700/2100 (Band 4) - Left/Cheek - Middle - QPSK - 20MHz - 1RB - 100% offset - Antenna 2 - Cover CC3085/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 21.972 V/m

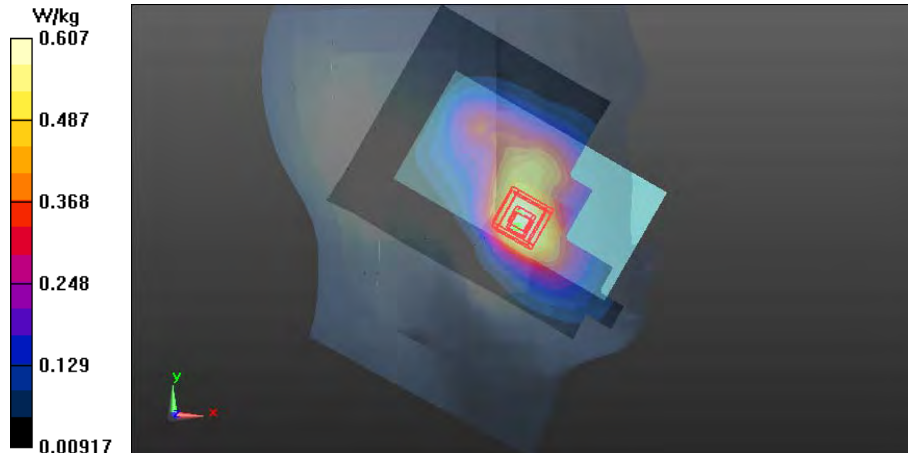
Peak SAR (extrapolated) = 0.788 W/kg

**SAR(1 g) = 0.536 W/kg**

**SAR(10 g) = 0.347 W/kg**

**Power Drift = 0.01 dB**

Maximum value of SAR (measured) = 0.607 W/kg



**Plot7:**

Date/Time: 2014-04-08 12:24:36 PM

Test Laboratory: TCC Nokia  
Type: RM-975; Serial: 004402/47/804009/4

**Communication System: 2-slot GPRS1900**  
Frequency: 1909.8 MHz; Duty Cycle: 1:4.19952  
Medium: HSL1900; Medium Notes: T= 21.5c  
Medium parameters used: f = 1910 MHz;  $\sigma = 1.411$  S/m;  $\epsilon_r = 38.515$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

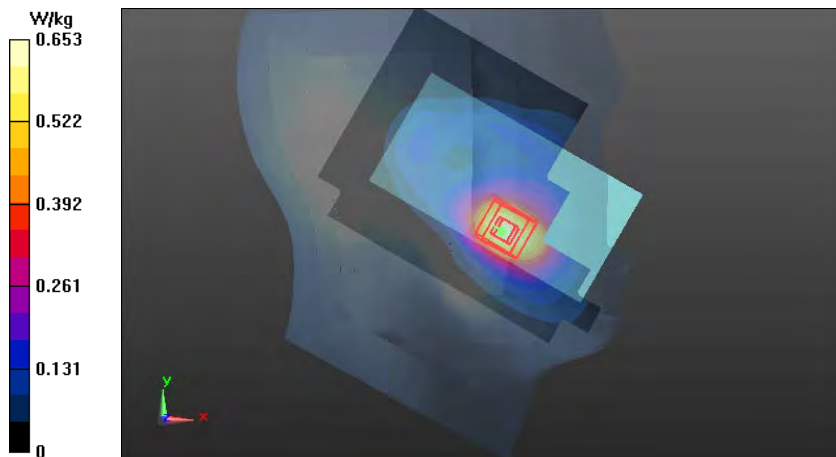
- DASY Configuration:
- Probe: ES3DV3 - SN3112
  - ConvF(5.11, 5.11, 5.11); Calibrated: 2014-01-22;
  - Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
  - Electronics: DAE4 Sn1332; Calibrated: 2014-01-16
  - Phantom: SAM3 06/28/2013; Type: QD000P40CD; Serial: TP: 1630
  - Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

**2-slot GPRS1900 - Left/Cheek - High - Antenna 1/Area Scan (81x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 22.293 V/m  
Fast SAR: SAR(1 g) = 0.531 W/kg  
Fast SAR(10 g) = 0.309 W/kg  
Maximum value of SAR (interpolated) = 0.655 W/kg

**2-slot GPRS1900 - Left/Cheek - High - Antenna 1/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 22.299 V/m  
Peak SAR (extrapolated) = 0.841 W/kg  
**SAR(1 g) = 0.551 W/kg**  
**SAR(10 g) = 0.341 W/kg**  
**Power Drift = -0.04 dB**  
Maximum value of SAR (measured) = 0.653 W/kg



**Plot8:**

Date/Time: 2014-04-09 3:55:12 PM

Test Laboratory: TCC Nokia

Type: RM-975; Serial: 004402/47/804009/4

**Communication System: WCDMA1900 (Band 2)**

Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium Notes: T= 21.5c

Medium parameters used: f = 1908 MHz;  $\sigma = 1.404$  S/m;  $\epsilon_r = 38.642$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3112

- ConvF(5.11, 5.11, 5.11); Calibrated: 2014-01-22;

- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1332; Calibrated: 2014-01-16

- Phantom: SAM3 06/28/2013; Type: QD000P40CD; Serial: TP: 1630

- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**WCDMA1900 (Band 2) - Left/Cheek - High - Antenna 1 - Cover CC-3085/Area Scan (81x121x1): Interpolated grid:**

dx=1.500 mm, dy=1.500 mm

Reference Value = 23.935 V/m

Fast SAR: SAR(1 g) = 0.701 W/kg

Fast SAR(10 g) = 0.407 W/kg

Maximum value of SAR (interpolated) = 0.869 W/kg

**WCDMA1900 (Band 2) - Left/Cheek - High - Antenna 1 - Cover CC-3085/Zoom Scan (5x5x7)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 23.799 V/m

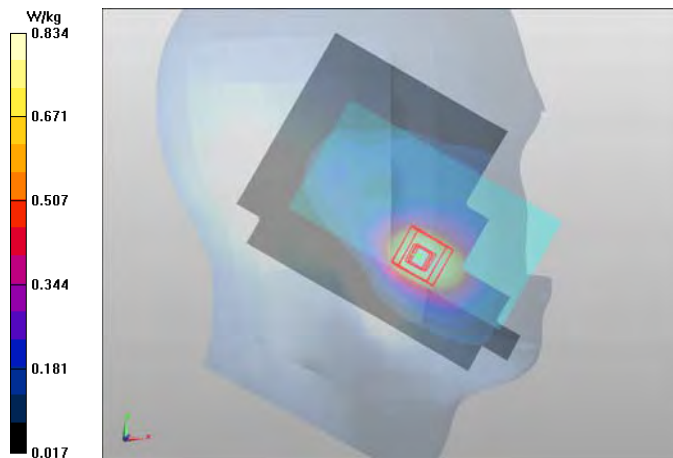
Peak SAR (extrapolated) = 1.07 W/kg

**SAR(1 g) = 0.710 W/kg**

**SAR(10 g) = 0.440 W/kg**

**Power Drift = -0.07 dB**

Maximum value of SAR (measured) = 0.834 W/kg





**Plot9:**

Date/Time: 2014-04-10 2:42:03 PM

Test Laboratory: TCC Nokia

Type: RM-975; Serial: 004402/47/804009/4

**Communication System: LTE1900 (Band 2)**

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium Notes: T= 21.5c

Medium parameters used: f = 1880 MHz;  $\sigma = 1.385$  S/m;  $\epsilon_r = 38.542$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3112
- ConvF(5.11, 5.11, 5.11); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1332; Calibrated: 2014-01-16
- Phantom: SAM3 06/28/2013; Type: QD000P40CD; Serial: TP: 1630
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

**LTE1900 (band 2) - Left/Cheek - Middle - QPSK - 20MHz - 1RB - 0% offset - Antenna 2 - Cover CC-3085/Area Scan (81x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 26.289 V/m

Fast SAR: SAR(1 g) = 0.833 W/kg

Fast SAR(10 g) = 0.483 W/kg

Maximum value of SAR (interpolated) = 1.04 W/kg

**LTE1900 (band 2) - Left/Cheek - Middle - QPSK - 20MHz - 1RB - 0% offset - Antenna 2 - Cover CC-3085/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 26.612 V/m

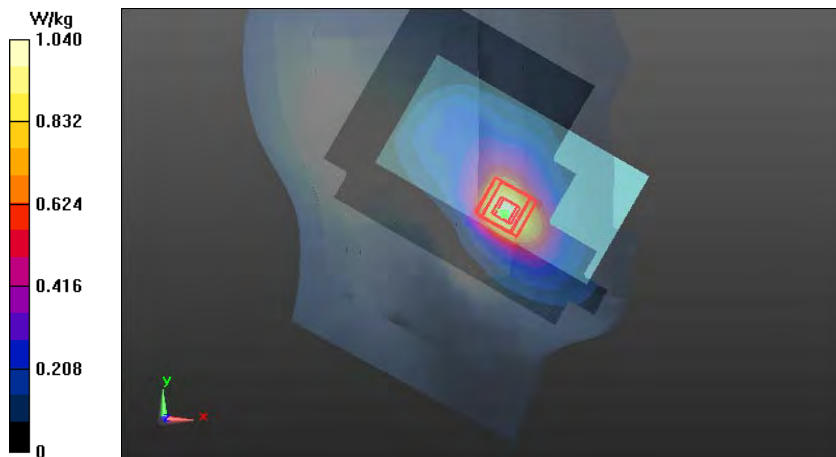
Peak SAR (extrapolated) = 1.33 W/kg

**SAR(1 g) = 0.882 W/kg**

**SAR(10 g) = 0.541 W/kg**

**Power Drift = 0.01 dB**

Maximum value of SAR (measured) = 1.04 W/kg



**Plot10:**

Date/Time: 2014-04-14 9:10:26 PM

Test Laboratory: TCC Nokia

Type: RM-975; Serial: 004402/47/804005/2

**Communication System: LTE2500 (Band 7)**

Frequency: 2535 MHz; Duty Cycle: 1:1

Medium: HSL 2450 - 2600; Medium Notes: T= 21.5 C

Medium parameters used: f = 2535 MHz;  $\sigma = 1.893$  S/m;  $\epsilon_r = 37.59$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3275
- ConvF(4.25, 4.25, 4.25); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn756; Calibrated: 2014-01-10
- Phantom: SAM3 02-04-2014; Type: QD000P40CD; Serial: TP: 1729
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.8 (7028)

**LTE2500 (Band 7) - Left/Cheek - Middle - QPSK - 20MHz - 1RB - 50% offset - Antenna 2 - Cover CC-3085/Area Scan (121x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 15.305 V/m

Fast SAR: SAR(1 g) = 0.357 W/kg

Fast SAR(10 g) = 0.180 W/kg

Maximum value of SAR (interpolated) = 0.462 W/kg

**LTE2500 (Band 7) - Left/Cheek - Middle - QPSK - 20MHz - 1RB - 50% offset - Antenna 2 - Cover CC-3085/Zoom Scan (8x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.305 V/m

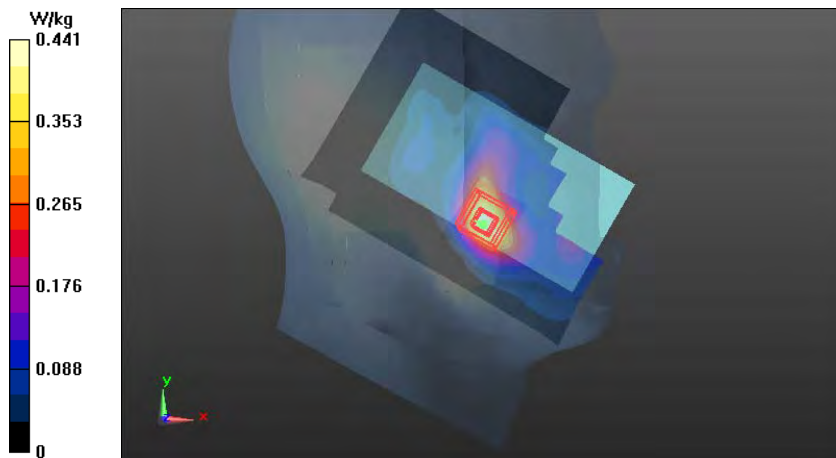
Peak SAR (extrapolated) = 0.631 W/kg

**SAR(1 g) = 0.358 W/kg**

**SAR(10 g) = 0.188 W/kg**

**Power Drift = 0.08 dB**

Maximum value of SAR (measured) = 0.441 W/kg



**Plot11:**

Date/Time: 2014-04-08 4:08:45 PM

Test Laboratory: TCC Nokia

Type: RM-975; Serial: 004402/47/804496/3

**Communication System: WLAN2450 b-mode**

Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: HSL 2450 - 2600; Medium Notes: t= 21.5 C

Medium parameters used: f = 2462 MHz;  $\sigma = 1.829$  S/m;  $\epsilon_r = 38.33$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3817
- ConvF(7.2, 7.2, 7.2); Calibrated: 2014-01-17;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1301; Calibrated: 2014-01-13
- Phantom: SAM4 2014-04-04; Type: QD000P40CD; Serial: TP:1736
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**WLAN2450 b-mode - Left/Cheek - Channel 11 - BPSK 1 Mbps - Cover CC-3085/Area Scan (121x181x1):**

Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value =

Fast SAR: SAR(1 g) = 0.756 W/kg

Fast SAR(10 g) = 0.360 W/kg

Maximum value of SAR (interpolated) = 1.00 W/kg

**WLAN2450 b-mode - Left/Cheek - Channel 11 - BPSK 1 Mbps - Cover CC-3085/Zoom Scan (7x7x7)/Cube 0:**

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.692 V/m

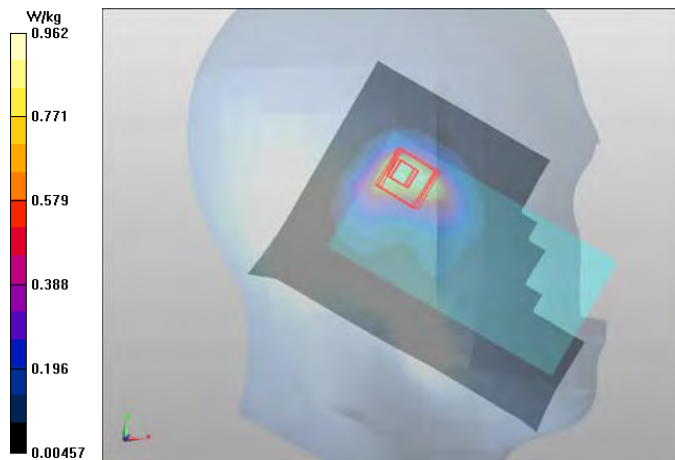
Peak SAR (extrapolated) = 1.56 W/kg

**SAR(1 g) = 0.723 W/kg**

**SAR(10 g) = 0.354 W/kg**

**Power Drift = 0.09 dB**

Maximum value of SAR (measured) = 0.962 W/kg



**Plot12:**

Date/Time: 2014-04-08 9:42:44 PM

**DASY Configuration for WCDMA850 (Band 5) - Left/Cheek - Low - Antenna 2 - Cover CC-3085/Area Scan:**

Test Laboratory: TCC Nokia

**Type: RM-975; Serial: 004402/47/804000/3**

Communication System: WCDMA850 (Band 5); Frequency: 826.4 MHz; Duty Cycle: 1:1; PMF: 1

Medium: HSL835 Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.879$  S/m;  $\epsilon_r = 40.227$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Probe: ES3DV3 - SN3275; ConvF(6.12, 6.12, 6.12); Calibrated: 2014-01-22;  
Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used))  
Electronics: DAE4 Sn756; Calibrated: 2014-01-10  
Phantom: SAM1 01-28-2014; Type: QD000P40CC; Serial: TP:1279  
Measurement SW: DASY52, Version 52.8 (1)

Date/Time: 2014-04-08 4:08:45 PM

**DASY Configuration for WLAN2450 b-mode - Left/Cheek - Channel 11 - BPSK 1 Mbps - Cover CC-3085/Area Scan:**

Test Laboratory: TCC Nokia

**Type: RM-975; Serial: 004402/47/804496/3**

Communication System: WLAN2450 b-mode; Frequency: 2462 MHz; Duty Cycle: 1:1; PMF: 1

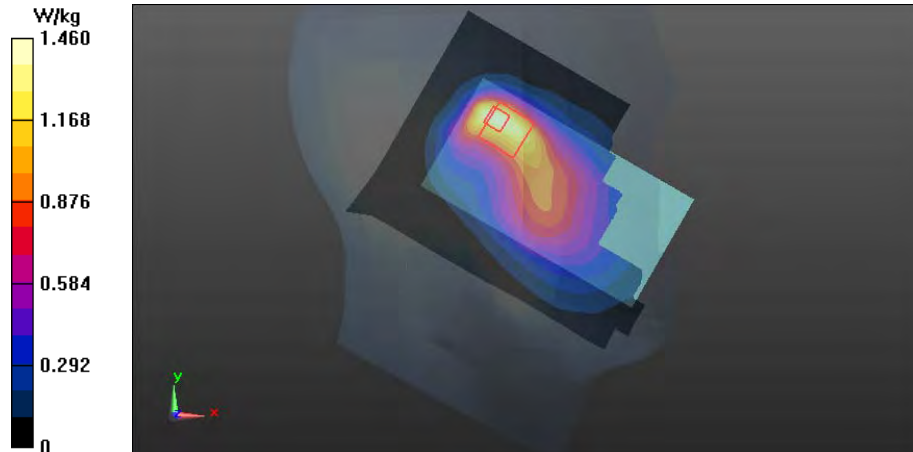
Medium: HSL 2450 - 2600 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.829$  S/m;  $\epsilon_r = 38.33$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Probe: EX3DV4 - SN3817; ConvF(7.2, 7.2, 7.2); Calibrated: 2014-01-17;  
Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used))  
Electronics: DAE4 Sn1301; Calibrated: 2014-01-13  
Phantom: SAM4 2014-04-04; Type: QD000P40CD; Serial: TP:1736  
Measurement SW: DASY52, Version 52.8 (7)

**Fast SAR of Combined Scans: SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.595 W/kg**

Maximum value of SAR (interpolated) = 1.46 W/kg



Note: WCDMA850 result was scaled by a factor of 1.20 and WLAN2450 result was scaled by a factor of 1.27 before combining

**Plot13:**

Date/Time: 2014-04-11 1:14:41 AM

**DASY Configuration for WCDMA1700/2100 (Band 4) - Left/Cheek - Middle - Antenna 2 - Cover CC-3085/Area Scan:**

Test Laboratory: TCC Nokia

**Type: RM-975; Serial: 004402/47/804009/4**

Communication System: WCDMA1700/2100 (Band 4); Frequency: 1732.4 MHz; Duty Cycle: 1:1; PMF: 1

Medium: HSL1750 Medium parameters used (interpolated):  $f = 1732.4$  MHz;  $\sigma = 1.342$  S/m;  $\epsilon_r = 40.124$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Probe: E53DV3 - SN3112; ConvF(5.25, 5.25, 5.25); Calibrated: 2014-01-22;  
Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used))  
Electronics: DAE4 Sn1332; Calibrated: 2014-01-16  
Phantom: SAM1 04/25/2013; Type: QD000P40CD; Serial: TP: 1735  
Measurement SW: DASY52, Version 52.8 (7)

Date/Time: 2014-04-08 4:08:45 PM

**DASY Configuration for WLAN2450 b-mode - Left/Cheek - Channel 11 - BPSK 1 Mbps - Cover CC-3085/Area Scan:**

Test Laboratory: TCC Nokia

**Type: RM-975; Serial: 004402/47/804496/3**

Communication System: WLAN2450 b-mode; Frequency: 2462 MHz; Duty Cycle: 1:1; PMF: 1

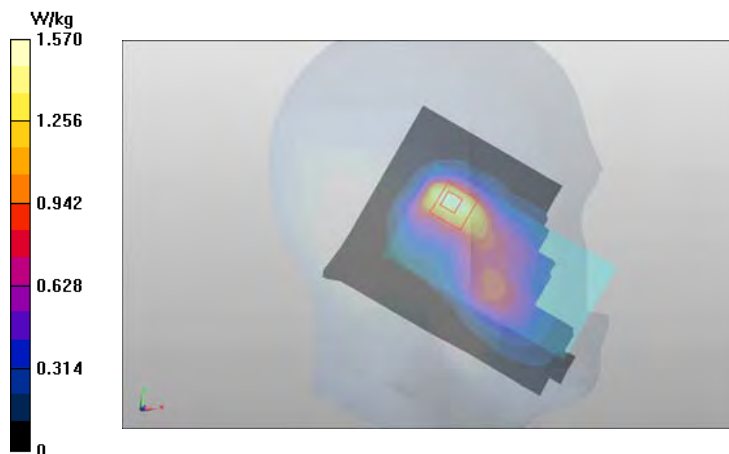
Medium: HSL 2450 - 2600 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.829$  S/m;  $\epsilon_r = 38.33$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Probe: EX3DV4 - SN3817; ConvF(7.2, 7.2, 7.2); Calibrated: 2014-01-17;  
Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used))  
Electronics: DAE4 Sn1301; Calibrated: 2014-01-13  
Phantom: SAM4 2014-04-04; Type: QD000P40CD; Serial: TP:1736  
Measurement SW: DASY52, Version 52.8 (7)

**Fast SAR of Combined Scans: SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.636 W/kg**

Maximum value of SAR (interpolated) = 1.57 W/kg



Note: WCDMA1700/2100 result was scaled by a factor of 1.20 and WLAN2450 result was scaled by a factor of 1.27 before combining

**Plot14:**

Date/Time: 2014-04-09 3:55:12 PM

**DASY Configuration for WCDMA1900 (Band 2) - Left/Cheek - High - Antenna 1 - Cover CC-3085/Area Scan:**

Test Laboratory: TCC Nokia

**Type: RM-975; Serial: 004402/47/804009/4**

Communication System: WCDMA1900 (Band 2); Frequency: 1907.6 MHz; Duty Cycle: 1:1; PMF: 1

Medium: HSL1900 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.404$  S/m;  $\epsilon_r = 38.642$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Probe: ES3DV3 - SN3112; ConvF(5.11, 5.11, 5.11); Calibrated: 2014-01-22;  
Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used))  
Electronics: DAE4 Sn1332; Calibrated: 2014-01-16  
Phantom: SAM3 06/28/2013; Type: QD000P40CD; Serial: TP: 1630  
Measurement SW: DASY52, Version 52.8 (7)

Date/Time: 2014-04-08 4:08:45 PM

**DASY Configuration for WLAN2450 b-mode - Left/Cheek - Channel 11 - BPSK 1 Mbps - Cover CC-3085/Area Scan:**

Test Laboratory: TCC Nokia

**Type: RM-975; Serial: 004402/47/804496/3**

Communication System: WLAN2450 b-mode; Frequency: 2462 MHz; Duty Cycle: 1:1; PMF: 1

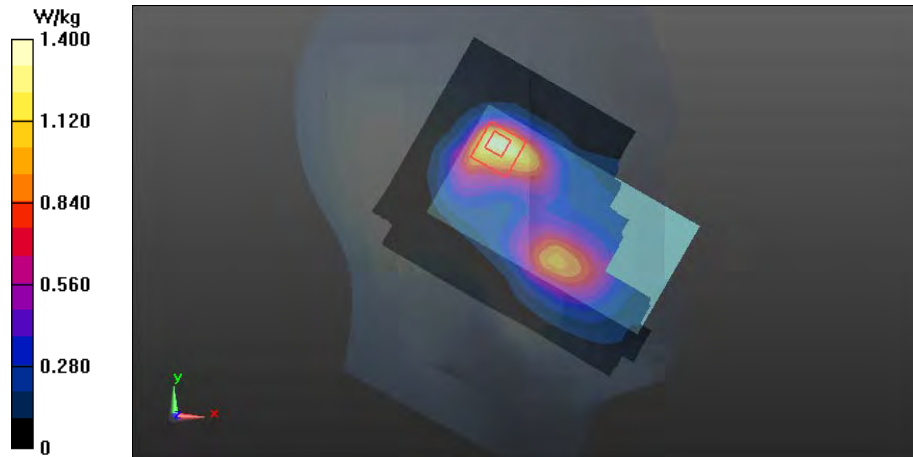
Medium: HSL 2450 - 2600 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.829$  S/m;  $\epsilon_r = 38.33$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Probe: EX3DV4 - SN3817; ConvF(7.2, 7.2, 7.2); Calibrated: 2014-01-17;  
Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used))  
Electronics: DAE4 Sn1301; Calibrated: 2014-01-13  
Phantom: SAM4 2014-04-04; Type: QD000P40CD; Serial: TP:1736  
Measurement SW: DASY52, Version 52.8 (7)

**Fast SAR of Combined Scans: SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.532 W/kg**

Maximum value of SAR (interpolated) = 1.40 W/kg



Note: WCDMA1900 result was scaled by a factor of 1.12 and WLAN2450 result was scaled by a factor of 1.27 before combining

**Plot15:**

Date/Time: 2014-04-10 2:42:03 PM

**DASY Configuration for LTE1900 (band 2) - Left/Cheek - Middle - QPSK - 20MHz - 1RB - 0% offset - Antenna 2 - Cover CC-3085/Area Scan:**

Test Laboratory: TCC Nokia

**Type: RM-975; Serial: 004402/47/804009/4**

Communication System: LTE1900 (Band 2); Frequency: 1880 MHz; Duty Cycle: 1:1; PMF: 1

Medium: HSL1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.385$  S/m;  $\epsilon_r = 38.542$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Probe: ES3DV3 - SN3112; ConvF(5.11, 5.11, 5.11); Calibrated: 2014-01-22;  
Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used))  
Electronics: DAE4 Sn1332; Calibrated: 2014-01-16  
Phantom: SAM3 06/28/2013; Type: QD000P40CD; Serial: TP: 1630  
Measurement SW: DASY52, Version 52.8 (7)

Date/Time: 2014-04-08 4:08:45 PM

**DASY Configuration for WLAN2450 b-mode - Left/Cheek - Channel 11 - BPSK 1 Mbps - Cover CC-3085/Area Scan:**

Test Laboratory: TCC Nokia

**Type: RM-975; Serial: 004402/47/804496/3**

Communication System: WLAN2450 b-mode; Frequency: 2462 MHz; Duty Cycle: 1:1; PMF: 1

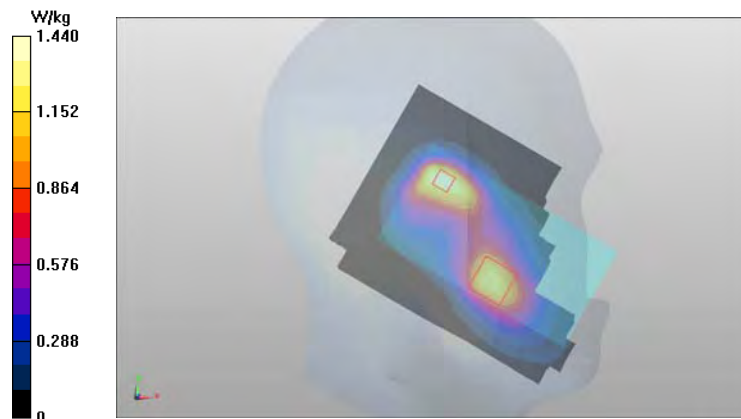
Medium: HSL 2450 - 2600 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.829$  S/m;  $\epsilon_r = 38.33$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Probe: EX3DV4 - SN3817; ConvF(7.2, 7.2, 7.2); Calibrated: 2014-01-17;  
Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used))  
Electronics: DAE4 Sn1301; Calibrated: 2014-01-13  
Phantom: SAM4 2014-04-04; Type: QD000P40CD; Serial: TP:1736  
Measurement SW: DASY52, Version 52.8 (7)

**Fast SAR of Combined Scans: SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.588 W/kg**

Maximum value of SAR (interpolated) = 1.44 W/kg



Note: LTE1900 result was scaled by a factor of 1.20 and WLAN2450 result was scaled by a factor of 1.27 before combining

**Plot16:**

Date/Time: 2014-04-18 4:47:27 PM

Test Laboratory: TCC Nokia

Type: RM-975; Serial: 004402/47/804000/3

**Communication System: LTE700 (Band 17)**

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: BSL750; Medium Notes: T=21.5C

Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.921$  S/m;  $\epsilon_r = 54.595$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3275
- ConvF(6.03, 6.03, 6.03); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn756; Calibrated: 2014-01-10
- Phantom: Triple Flat Phantom 5.1C 06-28-2013; Type: QD 000 P51 CA; Serial: 1129/2
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.8 (7028)

**LTE700 (Band 17)/Body - Middle - QPSK - 10MHz - 1RB - 100% offset - Spacer 15mm - No Headset - Back Facing Phantom - Antenna 2/Area Scan (81x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 22.490 V/m

Fast SAR: SAR(1 g) = 0.431 W/kg

Fast SAR(10 g) = 0.310 W/kg

Maximum value of SAR (interpolated) = 0.482 W/kg

**LTE700 (Band 17)/Body - Middle - QPSK - 10MHz - 1RB - 100% offset - Spacer 15mm - No Headset - Back Facing Phantom - Antenna 2/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 22.300 V/m

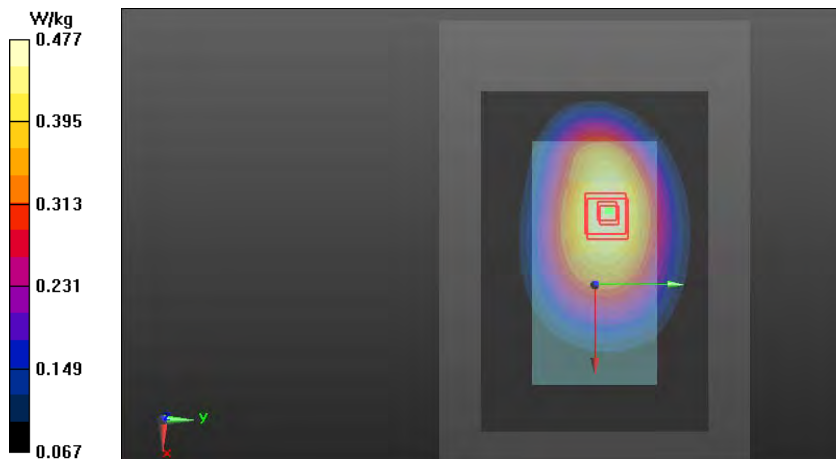
Peak SAR (extrapolated) = 0.550 W/kg

**SAR(1 g) = 0.433 W/kg**

**SAR(10 g) = 0.327 W/kg**

**Power Drift = 0.08 dB**

Maximum value of SAR (measured) = 0.477 W/kg





**Plot17:**

Date/Time: 2014-04-16 5:57:41 PM

Test Laboratory: TCC Nokia

Type: RM-975; Serial: 004402/47/804000/3

**Communication System: 2-slot GPRS850**

Frequency: 824.2 MHz; Duty Cycle: 1:4.19952

Medium: BSL800; Medium Notes: T= 21.5c

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.965$  S/m;  $\epsilon_r = 53.538$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3275
- ConvF(6.01, 6.01, 6.01); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn756; Calibrated: 2014-01-10
- Phantom: Triple Flat Phantom 5.1C 06-28-2013; Type: QD 000 P51 CA; Serial: 1129/2
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.8 (7028)

**2-slot GPRS850/Body - Low - Spacer 15mm - No Headset - Back Facing Phantom - Antenna 2 - Cover CC-3085/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm**

Reference Value = 25.191 V/m

Fast SAR: SAR(1 g) = 0.520 W/kg

Fast SAR(10 g) = 0.371 W/kg

Maximum value of SAR (interpolated) = 0.586 W/kg

**2-slot GPRS850/Body - Low - Spacer 15mm - No Headset - Back Facing Phantom - Antenna 2 - Cover CC-3085/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm**

Reference Value = 25.308 V/m

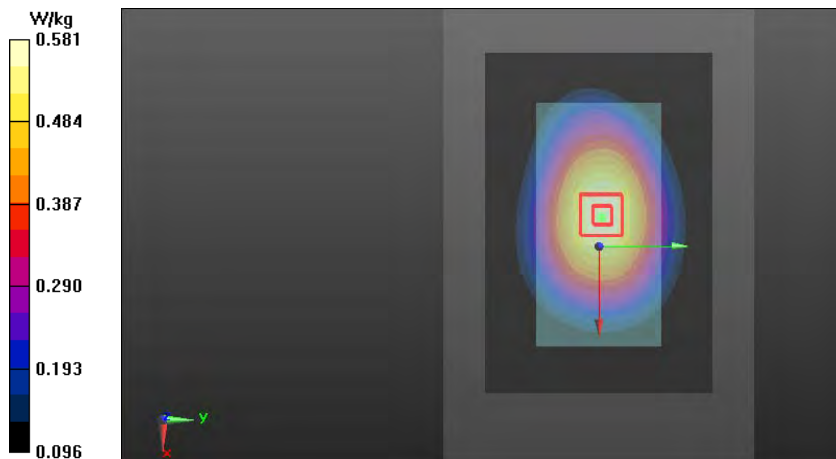
Peak SAR (extrapolated) = 0.662 W/kg

**SAR(1 g) = 0.528 W/kg**

**SAR(10 g) = 0.400 W/kg**

**Power Drift = 0.08 dB**

Maximum value of SAR (measured) = 0.581 W/kg



**Plot18:**

Date/Time: 2014-04-17 1:53:04 PM

Test Laboratory: TCC Nokia

Type: RM-975; Serial: 004402/47/804000/3

**Communication System: WCDMA850 (Band 5)**

Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: BSL800; Medium Notes: T= 21.5c

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.968$  S/m;  $\epsilon_r = 53.583$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3275
- ConvF(6.01, 6.01, 6.01); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn756; Calibrated: 2014-01-10
- Phantom: Triple Flat Phantom 5.1C 06-28-2013; Type: QD 000 P51 CA; Serial: 1129/2
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.8 (7028)

**WCDMA850 (Band5)/Body - Low - Spacer 15mm - No Headset - Back Facing Phantom - Antenna 2 - Cover CC-3085/Area Scan (81x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 19.073 V/m

Fast SAR: SAR(1 g) = 0.582 W/kg

Fast SAR(10 g) = 0.416 W/kg

Maximum value of SAR (interpolated) = 0.654 W/kg

**WCDMA850 (Band5)/Body - Low - Spacer 15mm - No Headset - Back Facing Phantom - Antenna 2 - Cover CC-3085/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 18.899 V/m

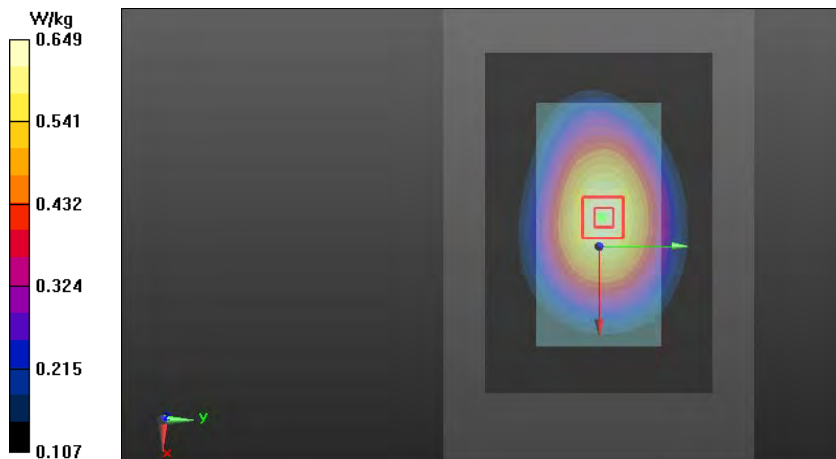
Peak SAR (extrapolated) = 0.738 W/kg

**SAR(1 g) = 0.589 W/kg**

**SAR(10 g) = 0.444 W/kg**

**Power Drift = -0.03 dB**

Maximum value of SAR (measured) = 0.649 W/kg



**Plot19:**

Date/Time: 2014-04-17 6:29:20 PM

Test Laboratory: TCC Nokia

Type: RM-975; Serial: 004402/47/804000/3

**Communication System: LTE850 (Band 5)**

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: BSL800; Medium Notes: T= 21.5c

Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 0.975$  S/m;  $\epsilon_r = 53.55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3275
- ConvF(6.01, 6.01, 6.01); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn756; Calibrated: 2014-01-10
- Phantom: Triple Flat Phantom 5.1C 06-28-2013; Type: QD 000 P51 CA; Serial: 1129/2
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

**LTE850 (Band5)/Body - Middle - QPSK - 10MHz - 1 RB - 0% offset - Spacer 15mm - No Headset - Back Facing Phantom - Antenna 2 - Cover CC-3085/Area Scan (81x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 20.364 V/m

Fast SAR: SAR(1 g) = 0.339 W/kg

Fast SAR(10 g) = 0.242 W/kg

Maximum value of SAR (interpolated) = 0.381 W/kg

**LTE850 (Band5)/Body - Middle - QPSK - 10MHz - 1 RB - 0% offset - Spacer 15mm - No Headset - Back Facing Phantom - Antenna 2 - Cover CC-3085/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 20.364 V/m

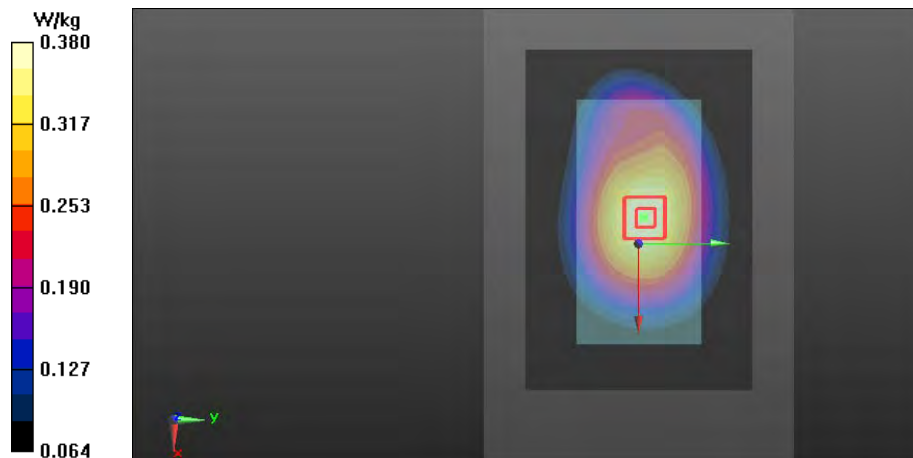
Peak SAR (extrapolated) = 0.432 W/kg

**SAR(1 g) = 0.345 W/kg**

**SAR(10 g) = 0.260 W/kg**

**Power Drift = -0.01 dB**

Maximum value of SAR (measured) = 0.380 W/kg



**Plot20:**

Date/Time: 2014-04-16 11:30:56 AM

Test Laboratory: TCC Nokia

Type: RM-975; Serial: 004402/47/804009/4

**Communication System: WCDMA1700/2100 (Band 4)**

Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium: BSL1750; Medium Notes: T= 21.5c

Medium parameters used (interpolated):  $f = 1712.4$  MHz;  $\sigma = 1.405$  S/m;  $\epsilon_r = 53.17$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3112
- ConvF(4.9, 4.9, 4.9); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1332; Calibrated: 2014-01-16
- Phantom: TF Phampton 06\_28\_2013; Type: QD 000 P51 CA; Serial: 06/28/2013
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

**WCDMA1700/2100 (Band 4)/Body - Low - Spacer 15mm - No Headset - Back Facing Phantom - Antenna 1/Area Scan (81x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 24.271 V/m

Fast SAR: SAR(1 g) = 0.702 W/kg

Fast SAR(10 g) = 0.446 W/kg

Maximum value of SAR (interpolated) = 0.819 W/kg

**WCDMA1700/2100 (Band 4)/Body - Low - Spacer 15mm - No Headset - Back Facing Phantom - Antenna 1/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 23.856 V/m

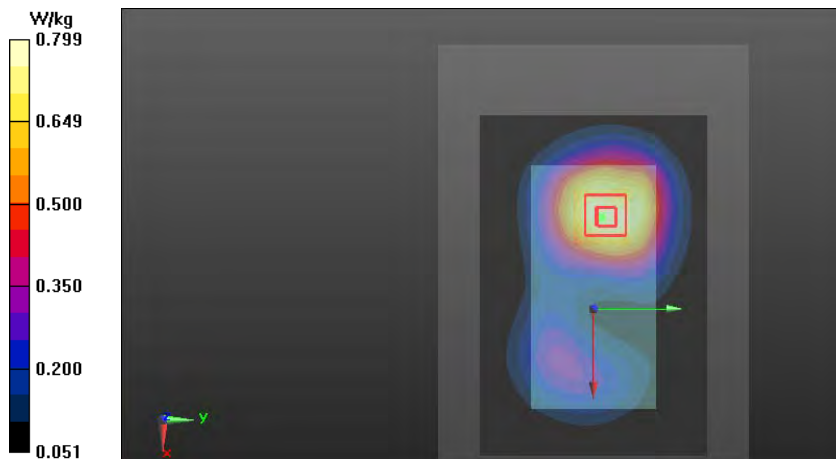
Peak SAR (extrapolated) = 1.01 W/kg

**SAR(1 g) = 0.692 W/kg**

**SAR(10 g) = 0.458 W/kg**

**Power Drift = 0.03 dB**

Maximum value of SAR (measured) = 0.799 W/kg



**Plot21:**

Date/Time: 2014-04-16 9:29:17 PM

Test Laboratory: TCC Nokia

Type: RM-975; Serial: 004402/47/804009/4

**Communication System: LTE1700/2100 (Band 4)**

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: BSL1750; Medium Notes: T= 21.5c

Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.42$  S/m;  $\epsilon_r = 53.11$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3112
- ConvF(4.9, 4.9, 4.9); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1332; Calibrated: 2014-01-16
- Phantom: TF Phantom 06\_28\_2013; Type: QD 000 P51 CA; Serial: 06/28/2013
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

**LTE1700/2100 (Band 4)/Body - Middle - QPSK - 20MHz - 1 RB - 100% offset - Spacer 15mm - No Headset - Display Facing Phantom - Antenna 1/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm**

Reference Value = 23.059 V/m

Fast SAR: SAR(1 g) = 0.572 W/kg

Fast SAR(10 g) = 0.356 W/kg

Maximum value of SAR (interpolated) = 0.680 W/kg

**LTE1700/2100 (Band 4)/Body - Middle - QPSK - 20MHz - 1 RB - 100% offset - Spacer 15mm - No Headset - Display Facing Phantom - Antenna 1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm**

Reference Value = 23.114 V/m

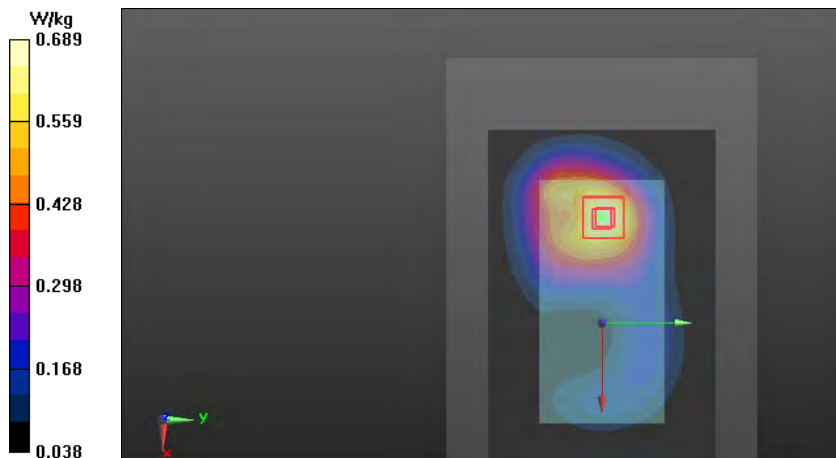
Peak SAR (extrapolated) = 0.877 W/kg

**SAR(1 g) = 0.594 W/kg**

**SAR(10 g) = 0.382 W/kg**

**Power Drift = 0.00 dB**

Maximum value of SAR (measured) = 0.689 W/kg



**Plot22:**

Date/Time: 2014-04-14 3:04:40 PM

Test Laboratory: TCC Nokia

Type: RM-975; Serial: 004402/47/804009/4

**Communication System: 2-slot GPRS1900**

Frequency: 1909.8 MHz; Duty Cycle: 1:4.19952

Medium: BSL1900; Medium Notes: T= 21.5c

Medium parameters used: f = 1910 MHz;  $\sigma = 1.496$  S/m;  $\epsilon_r = 52.623$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3112
- ConvF(4.73, 4.73, 4.73); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1332; Calibrated: 2014-01-16
- Phantom: TF Phantom 06\_28\_2013; Type: QD 000 P51 CA; Serial: 06/28/2013
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

**2-slot GPRS1900/Body - High - Spacer 15mm - No Headset - Display Facing Phantom - Antenna 1 - Cover CC-3085/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm**

Reference Value = 21.265 V/m

Fast SAR: SAR(1 g) = 0.567 W/kg

Fast SAR(10 g) = 0.341 W/kg

Maximum value of SAR (interpolated) = 0.689 W/kg

**2-slot GPRS1900/Body - High - Spacer 15mm - No Headset - Display Facing Phantom - Antenna 1 - Cover CC-3085/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm**

Reference Value = 21.210 V/m

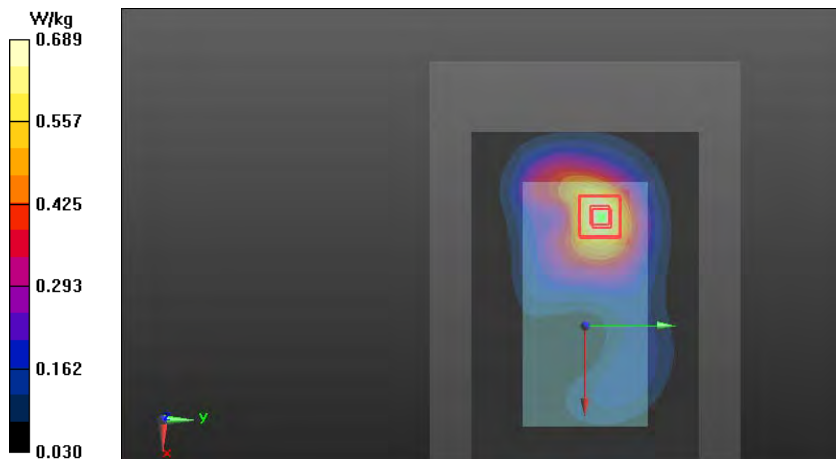
Peak SAR (extrapolated) = 0.892 W/kg

**SAR(1 g) = 0.592 W/kg**

**SAR(10 g) = 0.373 W/kg**

**Power Drift = 0.05 dB**

Maximum value of SAR (measured) = 0.689 W/kg



**Plot23:**

Date/Time: 2014-04-12 8:32:46 AM

Test Laboratory: TCC Nokia

Type: RM-975; Serial: 004402/47/804009/4

**Communication System: WCDMA1900 (Band 2)**

Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: BSL1900; Medium Notes: T= 21.5c

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.426$  S/m;  $\epsilon_r = 52.367$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3112
- ConvF(4.73, 4.73, 4.73); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1332; Calibrated: 2014-01-16
- Phantom: TF Phampton 06\_28\_2013; Type: QD 000 P51 CA; Serial: 06/28/2013
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

**WCDMA1900 (Band 2)/Body - Low - Spacer 15mm - No Headset - Display Facing Phantom - Antenna 1/Area Scan (81x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 23.548 V/m

Fast SAR: SAR(1 g) = 0.681 W/kg

Fast SAR(10 g) = 0.415 W/kg

Maximum value of SAR (interpolated) = 0.819 W/kg

**WCDMA1900 (Band 2)/Body - Low - Spacer 15mm - No Headset - Display Facing Phantom - Antenna 1/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 23.517 V/m

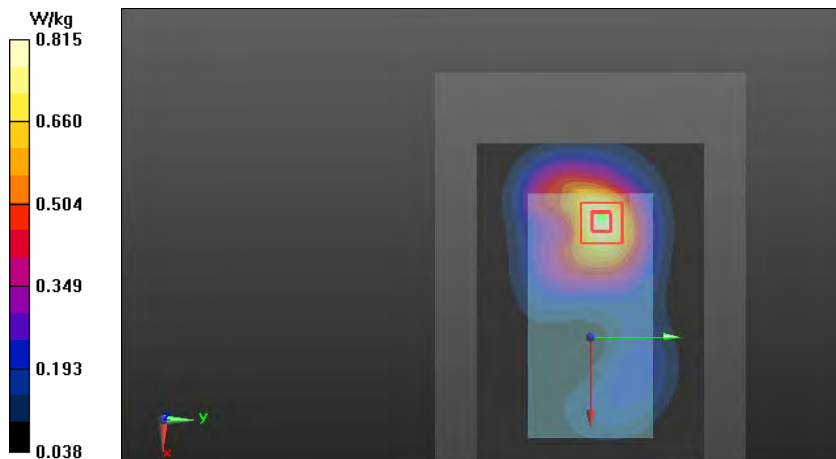
Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.703 W/kg**

**SAR(10 g) = 0.452 W/kg**

**Power Drift = 0.02 dB**

Maximum value of SAR (measured) = 0.815 W/kg



**Plot24:**

Date/Time: 2014-04-14 12:51:19 PM

Test Laboratory: TCC Nokia

Type: RM-975; Serial: 004402/47/804009/4

**Communication System: LTE1900 (Band 2)**

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: BSL1900; Medium Notes: T= 21.5c

Medium parameters used: f = 1880 MHz;  $\sigma = 1.46$  S/m;  $\epsilon_r = 52.668$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3112
- ConvF(4.73, 4.73, 4.73); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1332; Calibrated: 2014-01-16
- Phantom: TF Phantom 06\_28\_2013; Type: QD 000 P51 CA; Serial: 06/28/2013
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

**LTE1900 (Band 2)/Body - Middle - QPSK - 20MHz - 1RB - 0% offset - Spacer 15mm - No Headset - Display Facing Phantom - Antenna 2 - Cover CC-3085/Area Scan (81x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 14.204 V/m

Fast SAR: SAR(1 g) = 0.480 W/kg

Fast SAR(10 g) = 0.291 W/kg

Maximum value of SAR (interpolated) = 0.570 W/kg

**LTE1900 (Band 2)/Body - Middle - QPSK - 20MHz - 1RB - 0% offset - Spacer 15mm - No Headset - Display Facing Phantom - Antenna 2 - Cover CC-3085/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 14.204 V/m

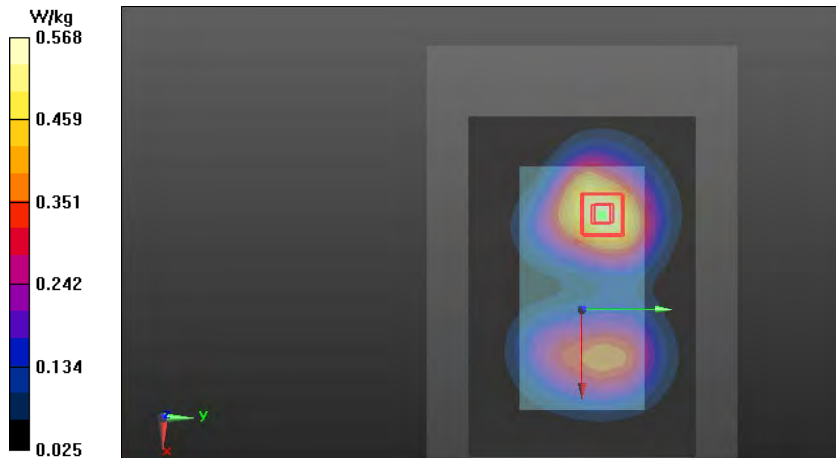
Peak SAR (extrapolated) = 0.710 W/kg

**SAR(1 g) = 0.491 W/kg**

**SAR(10 g) = 0.319 W/kg**

**Power Drift = 0.13 dB**

Maximum value of SAR (measured) = 0.568 W/kg





**Plot25:**

Date/Time: 2014-04-15 2:54:08 PM

Test Laboratory: TCC Nokia

Type: RM-975; Serial: 004402/47/804005/2

**Communication System: LTE2500 (Band 7)**

Frequency: 2535 MHz; Duty Cycle: 1:1

Medium: BSL 2450 - 2600; Medium Notes: T= 21.5 C

Medium parameters used: f = 2535 MHz;  $\sigma = 2.001$  S/m;  $\epsilon_r = 53.217$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3275
- ConvF(3.98, 3.98, 3.98); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn756; Calibrated: 2014-01-10
- Phantom: Triple Flat Phantom 5.1C 06-28-2013; Type: QD 000 P51 CA; Serial: 1129/2
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.8 (7028)

**LTE2500 (Band 7)/Body - Middle - QPSK - 20MHz - 1RB - 50% offset - Spacer 15mm - No Headset - Back Facing Phantom - Antenna 2/Area Scan (121x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm**

Reference Value = 17.027 V/m

Fast SAR: SAR(1 g) = 0.470 W/kg

Fast SAR(10 g) = 0.255 W/kg

Maximum value of SAR (interpolated) = 0.594 W/kg

**LTE2500 (Band 7)/Body - Middle - QPSK - 20MHz - 1RB - 50% offset - Spacer 15mm - No Headset - Back Facing Phantom - Antenna 2/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm**

Reference Value = 17.027 V/m

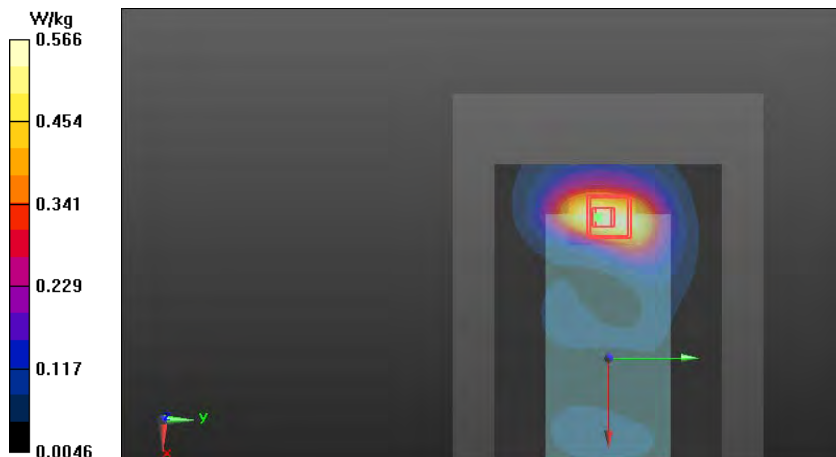
Peak SAR (extrapolated) = 0.882 W/kg

**SAR(1 g) = 0.463 W/kg**

**SAR(10 g) = 0.258 W/kg**

**Power Drift = 0.08 dB**

Maximum value of SAR (measured) = 0.566 W/kg



**Plot26:**

Date/Time: 2014-04-10 1:05:23 PM

Test Laboratory: Nokia

Type: RM-975; Serial: 004402/47/804496/3

**Communication System: WLAN2450 b-mode**

Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: BSL 2450 - 2600; Medium Notes: t= 21.5 C

Medium parameters used: f = 2462 MHz;  $\sigma = 1.903$  S/m;  $\epsilon_r = 52.975$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN3817
- ConvF(7.2, 7.2, 7.2); Calibrated: 2014-01-17;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1301; Calibrated: 2014-01-13
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 2014 Mar 12
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

**WLAN2450 b-mode/Body - Channel 11 - BPSK 1 Mbps - Spacer 15mm - WH-108 - Back Facing Phantom - Cover CC-3085/Area Scan (121x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm**

Reference Value = 7.880 V/m

Fast SAR: SAR(1 g) = 0.093 W/kg

Fast SAR(10 g) = 0.047 W/kg

Maximum value of SAR (interpolated) = 0.120 W/kg

**WLAN2450 b-mode/Body - Channel 11 - BPSK 1 Mbps - Spacer 15mm - WH-108 - Back Facing Phantom - Cover CC-3085/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm**

Reference Value = 7.371 V/m

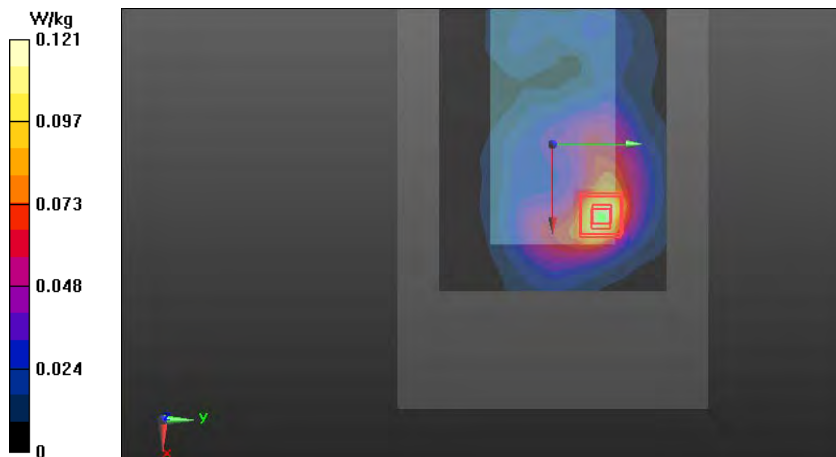
Peak SAR (extrapolated) = 0.176 W/kg

**SAR(1 g) = 0.095 W/kg**

**SAR(10 g) = 0.051 W/kg**

**Power Drift = -0.13 dB**

Maximum value of SAR (measured) = 0.121 W/kg



**Plot27:**

Date/Time: 2014-04-18 9:26:04 PM

Test Laboratory: TCC Nokia  
Type: RM-975; Serial: 004402/47/804000/3

**Communication System: LTE700 (Band 17)**

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: BSL750; Medium Notes: T=21.5C

Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.921$  S/m;  $\epsilon_r = 54.595$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3275
- ConvF(6.03, 6.03, 6.03); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn756; Calibrated: 2014-01-10
- Phantom: Triple Flat Phantom 5.1C 06-28-2013; Type: QD 000 P51 CA; Serial: 1129/2
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.8 (7028)

**LTE700 (Band 17)/Body - Middle - QPSK - 10MHz - 1RB - 100% offset - Spacer 10mm - No Headset - Back Facing Phantom - Antenna 2/Area Scan (81x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 25.610 V/m

Fast SAR: SAR(1 g) = 0.569 W/kg

Fast SAR(10 g) = 0.409 W/kg

Maximum value of SAR (interpolated) = 0.636 W/kg

**LTE700 (Band 17)/Body - Middle - QPSK - 10MHz - 1RB - 100% offset - Spacer 10mm - No Headset - Back Facing Phantom - Antenna 2/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 25.545 V/m

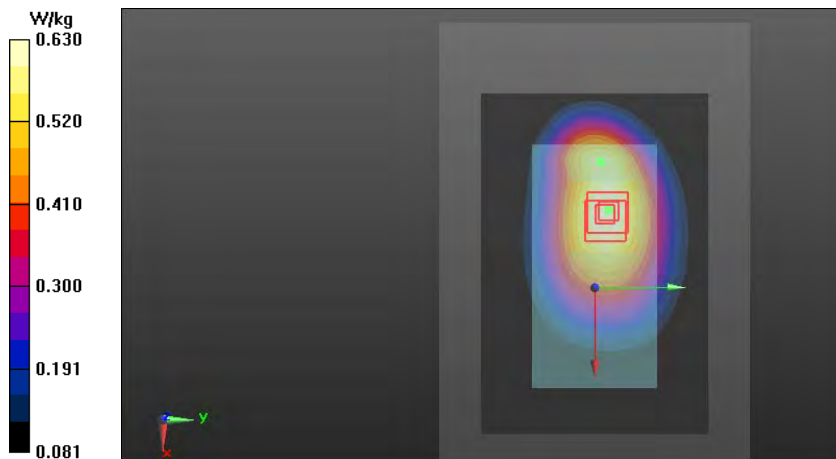
Peak SAR (extrapolated) = 0.735 W/kg

**SAR(1 g) = 0.571 W/kg**

**SAR(10 g) = 0.430 W/kg**

**Power Drift = 0.04 dB**

Maximum value of SAR (measured) = 0.630 W/kg



**Plot28:**

Date/Time: 2014-04-17 8:42:19 PM

Test Laboratory: TCC Nokia

Type: RM-975; Serial: 004402/47/804000/3

**Communication System: 2-slot GPRS850**

Frequency: 824.2 MHz; Duty Cycle: 1:4.19952

Medium: BSL800; Medium Notes: T= 21.5c

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.967$  S/m;  $\epsilon_r = 53.583$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3275
- ConvF(6.01, 6.01, 6.01); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn756; Calibrated: 2014-01-10
- Phantom: Triple Flat Phantom 5.1C 06-28-2013; Type: QD 000 P51 CA; Serial: 1129/2
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.8 (7028)

**2-slot GPRS850/Body - Low - Spacer 10mm - No Headset - Back Facing Phantom - Antenna 2 - Cover CC-3085/Area Scan (81x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 28.573 V/m

Fast SAR: SAR(1 g) = 0.670 W/kg

Fast SAR(10 g) = 0.480 W/kg

Maximum value of SAR (interpolated) = 0.752 W/kg

**2-slot GPRS850/Body - Low - Spacer 10mm - No Headset - Back Facing Phantom - Antenna 2 - Cover CC-3085/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 28.560 V/m

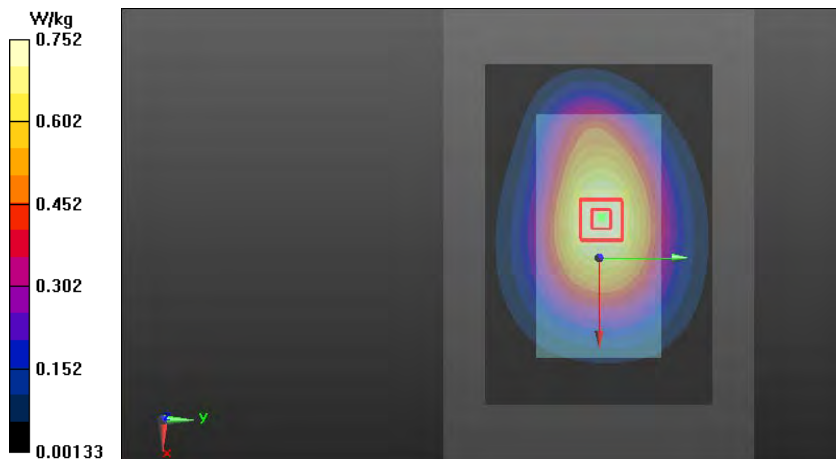
Peak SAR (extrapolated) = 0.855 W/kg

**SAR(1 g) = 0.689 W/kg**

**SAR(10 g) = 0.524 W/kg**

**Power Drift = 0.04 dB**

Maximum value of SAR (measured) = 0.754 W/kg



**Plot29:**

Date/Time: 2014-04-18 1:50:01 AM

Test Laboratory: TCC Nokia

Type: RM-975; Serial: 004402/47/804000/3

**Communication System: WCDMA850 (Band 5)**

Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: BSL800; Medium Notes: T= 21.5c

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.968$  S/m;  $\epsilon_r = 53.583$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3275
- ConvF(6.01, 6.01, 6.01); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn756; Calibrated: 2014-01-10
- Phantom: Triple Flat Phantom 5.1C 06-28-2013; Type: QD 000 P51 CA; Serial: 1129/2
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.8 (7028)

**WCDMA850 (Band 5)/Body - Low - Spacer 10mm - No Headset - Back Facing Phantom - Antenna 2 - Cover CC-3085/Area Scan (81x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 29.747 V/m

Fast SAR: SAR(1 g) = 0.716 W/kg

Fast SAR(10 g) = 0.513 W/kg

Maximum value of SAR (interpolated) = 0.803 W/kg

**WCDMA850 (Band 5)/Body - Low - Spacer 10mm - No Headset - Back Facing Phantom - Antenna 2 - Cover CC-3085/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 29.549 V/m

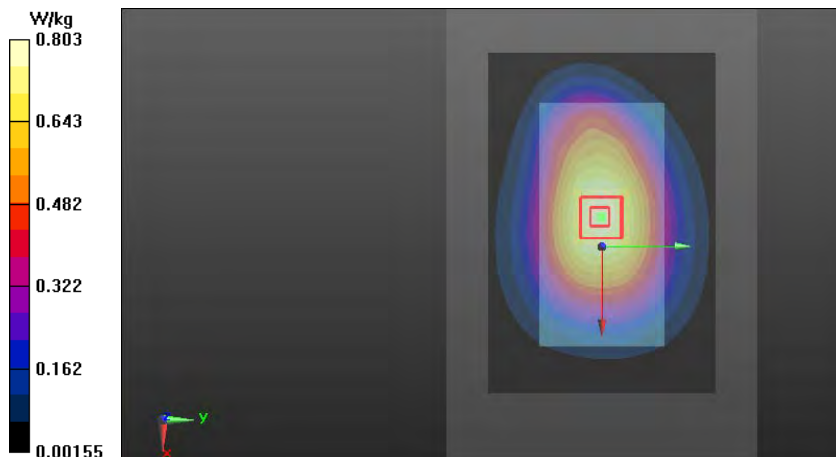
Peak SAR (extrapolated) = 0.893 W/kg

**SAR(1 g) = 0.716 W/kg**

**SAR(10 g) = 0.543 W/kg**

**Power Drift = -0.07 dB**

Maximum value of SAR (measured) = 0.785 W/kg



**Plot30:**

Date/Time: 2014-04-18 1:28:00 PM

Test Laboratory: TCC Nokia  
Type: RM-975; Serial: 004402/47/804000/3

**Communication System: LTE850 (Band 5)**

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: BSL800; Medium Notes: T= 21.5c

Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 0.974$  S/m;  $\epsilon_r = 53.332$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3275
- ConvF(6.01, 6.01, 6.01); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn756; Calibrated: 2014-01-10
- Phantom: Triple Flat Phantom 5.1C 06-28-2013; Type: QD 000 P51 CA; Serial: 1129/2
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.8 (7028)

**LTE850 (Band5)/Body - Middle - QPSK - 10MHz - 1RB - 0% offset - Spacer 10mm - No Headset - Back Facing Phantom - Antenna 1/Area Scan (81x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 22.275 V/m

Fast SAR: SAR(1 g) = 0.436 W/kg

Fast SAR(10 g) = 0.311 W/kg

Maximum value of SAR (interpolated) = 0.489 W/kg

**LTE850 (Band5)/Body - Middle - QPSK - 10MHz - 1RB - 0% offset - Spacer 10mm - No Headset - Back Facing Phantom - Antenna 1/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 22.042 V/m

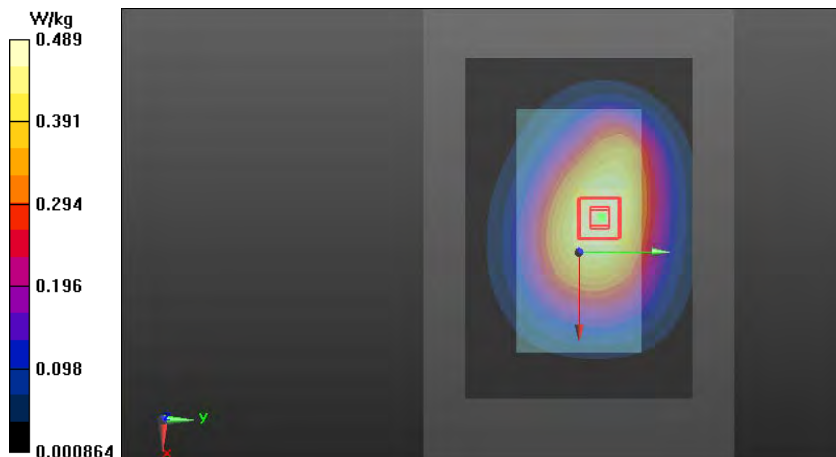
Peak SAR (extrapolated) = 0.544 W/kg

**SAR(1 g) = 0.434 W/kg**

**SAR(10 g) = 0.328 W/kg**

**Power Drift = 0.03 dB**

Maximum value of SAR (measured) = 0.477 W/kg



**Plot31:**

Date/Time: 2014-04-16 5:54:35 PM

Test Laboratory: TCC Nokia

Type: RM-975; Serial: 004402/47/804007/8

**Communication System: WCDMA1700/2100 (Band 4)**

Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium: BSL1750; Medium Notes: T= 21.5c

Medium parameters used (interpolated):  $f = 1712.4$  MHz;  $\sigma = 1.405$  S/m;  $\epsilon_r = 53.17$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3112
- ConvF(4.9, 4.9, 4.9); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1332; Calibrated: 2014-01-16
- Phantom: TF Phampton 06\_28\_2013; Type: QD 000 P51 CA; Serial: 06/28/2013
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

**WCDMA1700/2100 (Band 4)/Body - Low - Spacer 10mm - No Headset - Back Facing Phantom - Antenna 2 - Cover CC-3085/Area Scan (81x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 22.024 V/m

Fast SAR: SAR(1 g) = 0.775 W/kg

Fast SAR(10 g) = 0.488 W/kg

Maximum value of SAR (interpolated) = 0.941 W/kg

**WCDMA1700/2100 (Band 4)/Body - Low - Spacer 10mm - No Headset - Back Facing Phantom - Antenna 2 - Cover CC-3085/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 22.024 V/m

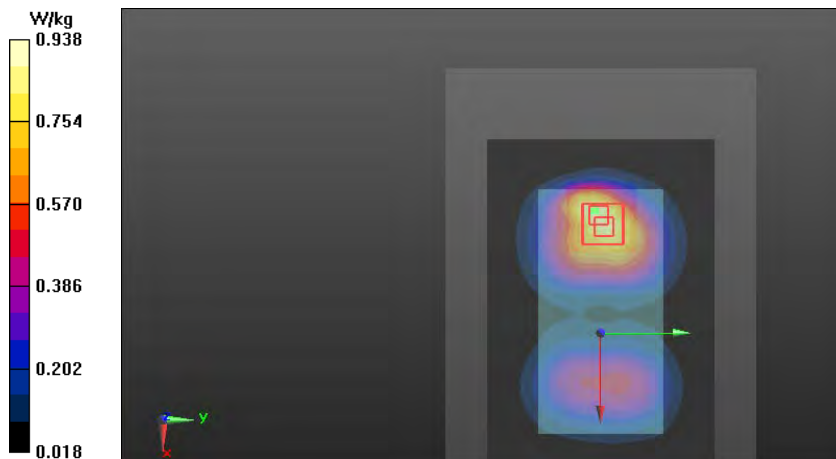
Peak SAR (extrapolated) = 1.27 W/kg

**SAR(1 g) = 0.768 W/kg**

**SAR(10 g) = 0.474 W/kg**

**Power Drift = -0.15 dB**

Maximum value of SAR (measured) = 0.938 W/kg



**Plot32:**

Date/Time: 2014-04-17 3:02:54 PM

Test Laboratory: TCC Nokia

Type: RM-975; Serial: 004402/47/804007/8

**Communication System: LTE1700/2100 (Band 4)**

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: BSL1750; Medium Notes: T= 21.5c

Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.435$  S/m;  $\epsilon_r = 53.043$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3112
- ConvF(4.9, 4.9, 4.9); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1332; Calibrated: 2014-01-16
- Phantom: TF Phantom 06\_28\_2013; Type: QD 000 P51 CA; Serial: 06/28/2013
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

**LTE1700/2100 (Band 4)/Body - Middle - QPSK - 20MHz - 1 RB - 50% offset - Spacer 10mm - No Headset - Back Facing Phantom - Antenna 2/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm**

Reference Value = 23.151 V/m

Fast SAR: SAR(1 g) = 0.637 W/kg

Fast SAR(10 g) = 0.388 W/kg

Maximum value of SAR (interpolated) = 0.810 W/kg

**LTE1700/2100 (Band 4)/Body - Middle - QPSK - 20MHz - 1 RB - 50% offset - Spacer 10mm - No Headset - Back Facing Phantom - Antenna 2/Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm**

Reference Value = 23.970 V/m

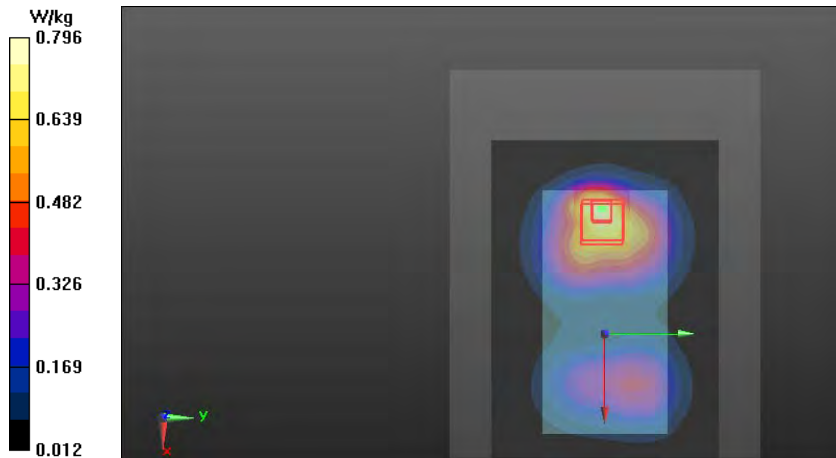
Peak SAR (extrapolated) = 1.14 W/kg

**SAR(1 g) = 0.647 W/kg**

**SAR(10 g) = 0.386 W/kg**

**Power Drift = -0.08 dB**

Maximum value of SAR (measured) = 0.796 W/kg





**Plot33:**

Date/Time: 2014-04-14 7:48:55 PM

Test Laboratory: TCC Nokia

Type: RM-975; Serial: 004402/47/804009/4

**Communication System: 2-slot GPRS1900**

Frequency: 1909.8 MHz; Duty Cycle: 1:4.19952

Medium: BSL1900; Medium Notes: T= 21.5c

Medium parameters used: f = 1910 MHz;  $\sigma = 1.496$  S/m;  $\epsilon_r = 52.623$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3112
- ConvF(4.73, 4.73, 4.73); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1332; Calibrated: 2014-01-16
- Phantom: TF Phantom 06\_28\_2013; Type: QD 000 P51 CA; Serial: 06/28/2013
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

**2-slot GPRR1900/Body - High - Spacer 10mm - No Headset - Display Facing Phantom - Antenna 1 - Cover CC-3085 - Repeated/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm**

Reference Value = 28.058 V/m

Fast SAR: SAR(1 g) = 0.954 W/kg

Fast SAR(10 g) = 0.567 W/kg

Maximum value of SAR (interpolated) = 1.17 W/kg

**2-slot GPRR1900/Body - High - Spacer 10mm - No Headset - Display Facing Phantom - Antenna 1 - Cover CC-3085 - Repeated/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm**

Reference Value = 28.058 V/m

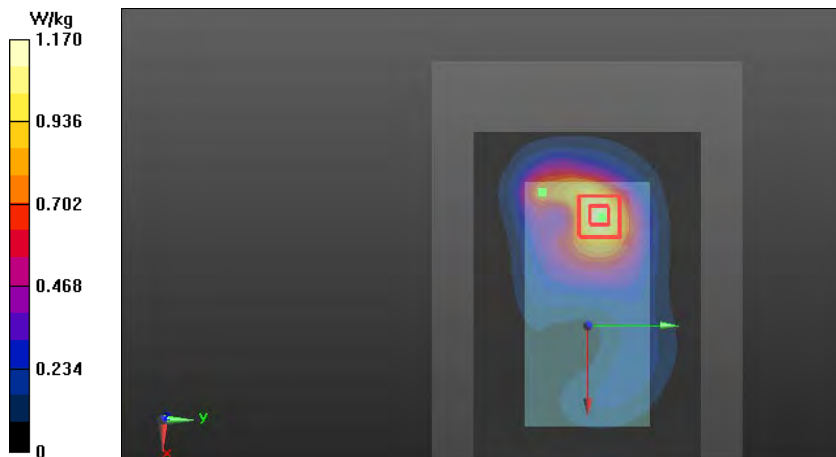
Peak SAR (extrapolated) = 1.51 W/kg

**SAR(1 g) = 0.990 W/kg**

**SAR(10 g) = 0.612 W/kg**

**Power Drift = 0.06 dB**

Maximum value of SAR (measured) = 1.16 W/kg



**Plot34:**

Date/Time: 2014-04-12 7:41:38 PM

Test Laboratory: TCC Nokia  
Type: RM-975; Serial: 004402/47/804007/8

**Communication System: WCDMA1900 (Band 2)**

Frequency: 1907.6 MHz; Duty Cycle: 1:1  
Medium: BSL1900; Medium Notes: T= 21.5c  
Medium parameters used: f = 1908 MHz;  $\sigma = 1.488$  S/m;  $\epsilon_r = 52.224$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Center Section

DASY Configuration:

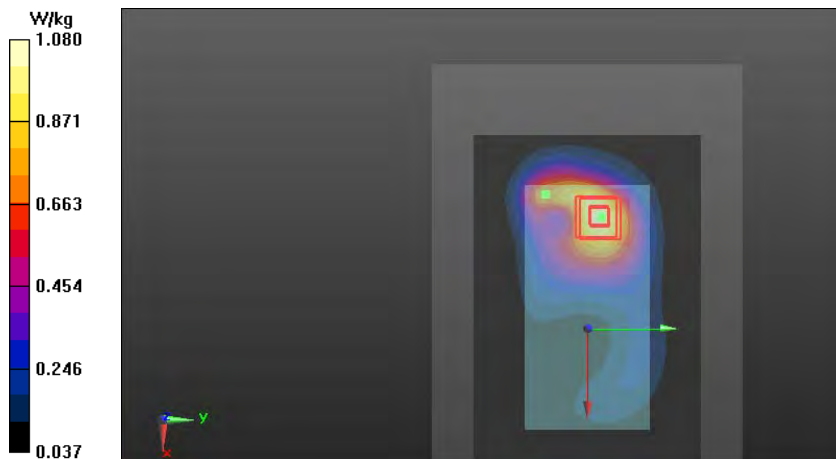
- Probe: ES3DV3 - SN3112
- ConvF(4.73, 4.73, 4.73); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1332; Calibrated: 2014-01-16
- Phantom: TF Phampton 06\_28\_2013; Type: QD 000 P51 CA; Serial: 06/28/2013
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

**WCDMA1900 (Band 2)/Body - High - Spacer 10mm - No Headset - Display Facing Phantom - Antenna 1 - Cover CC-3085/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm**

Reference Value = 27.423 V/m  
Fast SAR: SAR(1 g) = 0.878 W/kg  
Fast SAR(10 g) = 0.523 W/kg  
Maximum value of SAR (interpolated) = 1.07 W/kg

**WCDMA1900 (Band 2)/Body - High - Spacer 10mm - No Headset - Display Facing Phantom - Antenna 1 - Cover CC-3085/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm**

Reference Value = 27.498 V/m  
Peak SAR (extrapolated) = 1.41 W/kg  
**SAR(1 g) = 0.920 W/kg**  
**SAR(10 g) = 0.567 W/kg**  
**Power Drift = 0.06 dB**  
Maximum value of SAR (measured) = 1.08 W/kg



**Plot35:**

Date/Time: 2014-04-24 7:02:39 AM

Test Laboratory: TCC Nokia  
Type: RM-975; Serial: 004402/47/804007/8

**Communication System: LTE1900 (Band 2)**

Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium: BSL1900; Medium Notes: T= 21.5c  
Medium parameters used: f = 1880 MHz;  $\sigma = 1.464$  S/m;  $\epsilon_r = 52.233$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Center Section

DASY Configuration:

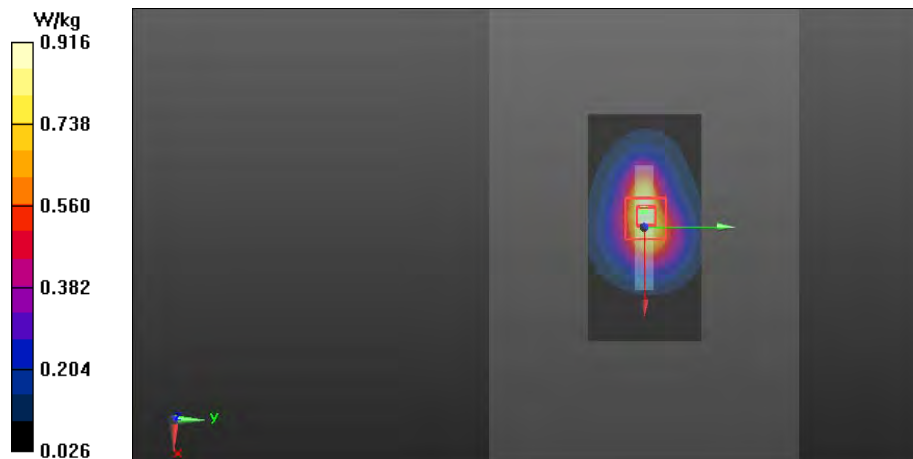
- Probe: ES3DV3 - SN3112
- ConvF(4.73, 4.73, 4.73); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1332; Calibrated: 2014-01-16
- Phantom: TF Phantom 06\_28\_2013; Type: QD 000 P51 CA; Serial: 06/28/2013
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

**LTE1900 (Band 2)/Body - Middle - QPSK - 20MHz - 1RB - 0% offset - Spacer 10mm - No Headset - Bottom Edge Facing Phantom - Antenna 1/Area Scan (41x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 25.131 V/m  
Fast SAR: SAR(1 g) = 0.724 W/kg  
Fast SAR(10 g) = 0.397 W/kg  
Maximum value of SAR (interpolated) = 0.914 W/kg

**LTE1900 (Band 2)/Body - Middle - QPSK - 20MHz - 1RB - 0% offset - Spacer 10mm - No Headset - Bottom Edge Facing Phantom - Antenna 1/Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 25.886 V/m  
Peak SAR (extrapolated) = 1.22 W/kg  
**SAR(1 g) = 0.758 W/kg**  
**SAR(10 g) = 0.442 W/kg**  
**Power Drift = -0.01 dB**  
Maximum value of SAR (measured) = 0.916 W/kg



**Plot36:**

Date/Time: 2014-04-16 2:20:24 PM

Test Laboratory: TCC Nokia  
Type: RM-975; Serial: 004402/47/804007/8

**Communication System: LTE2500 (Band 7)**

Frequency: 2510 MHz; Duty Cycle: 1:1

Medium: BSL 2450 - 2600; Medium Notes: T= 21.5 C

Medium parameters used: f = 2510 MHz;  $\sigma = 1.971$  S/m;  $\epsilon_r = 53.387$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3275
- ConvF(3.98, 3.98, 3.98); Calibrated: 2014-01-22;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn756; Calibrated: 2014-01-10
- Phantom: Triple Flat Phantom 5.1C 06-28-2013; Type: QD 000 P51 CA; Serial: 1129/2
- Measurement SW: DASY52, Version 52.8 (1); SEMCAD X Version 14.6.8 (7028)

**LTE2500 (Band 7)/Body - Low - QPSK - 20MHz - 1RB - 100% offset - Spacer 10mm - No Headset - Bottom Edge Facing Phantom - Antenna 2 - Repeated/Area Scan (61x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 8.099 V/m

Fast SAR: SAR(1 g) = 0.898 W/kg

Fast SAR(10 g) = 0.444 W/kg

Maximum value of SAR (interpolated) = 1.17 W/kg

**LTE2500 (Band 7)/Body - Low - QPSK - 20MHz - 1RB - 100% offset - Spacer 10mm - No Headset - Bottom Edge Facing Phantom - Antenna 2 - Repeated/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.099 V/m

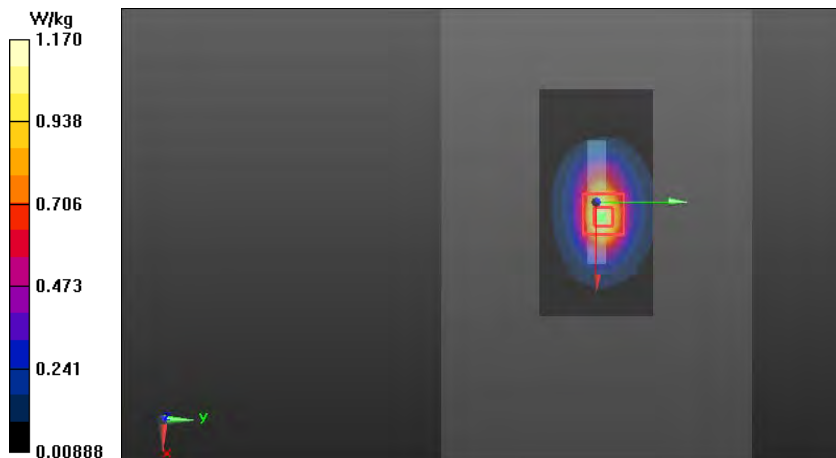
Peak SAR (extrapolated) = 1.85 W/kg

**SAR(1 g) = 0.915 W/kg**

**SAR(10 g) = 0.462 W/kg**

**Power Drift = 0.03 dB**

Maximum value of SAR (measured) = 1.17 W/kg



**Plot37:**

Date/Time: 2014-04-11 10:24:51 AM

Test Laboratory: Nokia  
Type: RM-975; Serial: 004402/47/804496/3

**Communication System: WLAN2450 b-mode**

Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium: BSL 2450 - 2600; Medium Notes: t= 21.5 C  
Medium parameters used: f = 2462 MHz;  $\sigma = 1.909$  S/m;  $\epsilon_r = 53.379$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Center Section

DASY Configuration:

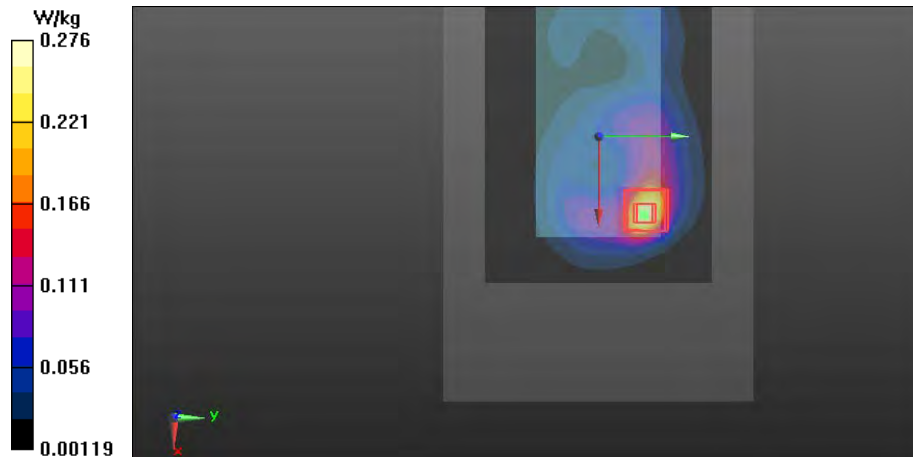
- Probe: EX3DV4 - SN3817
- ConvF(7.2, 7.2, 7.2); Calibrated: 2014-01-17;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1301; Calibrated: 2014-01-13
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 2014 Mar 12
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

**WLAN2450 b-mode/Body - Channel 11 - BPSK 1 Mbps - Spacer 10mm - No Headset - Back Facing Phantom/Area Scan (121x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 11.661 V/m  
Fast SAR: SAR(1 g) = 0.196 W/kg  
Fast SAR(10 g) = 0.092 W/kg  
Maximum value of SAR (interpolated) = 0.260 W/kg

**WLAN2450 b-mode/Body - Channel 11 - BPSK 1 Mbps - Spacer 10mm - No Headset - Back Facing Phantom/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.061 V/m  
Peak SAR (extrapolated) = 0.417 W/kg  
**SAR(1 g) = 0.215 W/kg**  
**SAR(10 g) = 0.106 W/kg**  
**Power Drift = 0.09 dB**  
Maximum value of SAR (measured) = 0.276 W/kg



**APPENDIX C: DIELECTRIC PARAMETERS OF THE TISSUE SIMULANTS**

**Head tissue simulant dielectric parameters used in the measurements:**

| f<br>(MHz)            | Date       | Ch 23780<br>709.0 MHz  |                | Ch 23790<br>710.0 MHz  |                | Ch 23800<br>711.0 MHz  |                |
|-----------------------|------------|------------------------|----------------|------------------------|----------------|------------------------|----------------|
|                       |            | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] |
| LTE700                | 2014-04-11 | 40.7                   | 0.86           | 40.7                   | 0.86           | 40.7                   | 0.86           |
| f<br>(MHz)            | Date       | Dielectric Parameters  |                |                        |                |                        |                |
|                       |            | Ch 128<br>824.2 MHz    |                | Ch 190<br>836.6 MHz    |                | Ch 251<br>848.8 MHz    |                |
| GSM/GPRS/<br>EGPRS850 | 2014-04-09 | 40.4                   | 0.88           | 40.3                   | 0.89           | 40.2                   | 0.90           |
| f<br>(MHz)            | Date       | Dielectric Parameters  |                |                        |                |                        |                |
|                       |            | Ch 4132<br>826.4 MHz   |                | Ch 4175<br>835.0 MHz   |                | Ch 4233<br>846.6 MHz   |                |
| WCDMA850              | 2014-04-08 | 40.2                   | 0.88           | 40.2                   | 0.88           | 40.1                   | 0.89           |
| F<br>(MHz)            | Date       | Dielectric Parameters  |                |                        |                |                        |                |
|                       |            | Ch 20450<br>829.0 MHz  |                | Ch 20525<br>836.5 MHz  |                | Ch 20600<br>844.0 MHz  |                |
| LTE850                | 2014-04-09 | 40.4                   | 0.89           | 40.3                   | 0.89           | 40.2                   | 0.89           |
|                       | 2014-04-10 | 40.3                   | 0.88           | 40.3                   | 0.89           | 40.2                   | 0.89           |
| f<br>(MHz)            | Date       | Dielectric Parameters  |                |                        |                |                        |                |
|                       |            | Ch 1312<br>1712.4 MHz  |                | Ch 1412<br>1732.4 MHz  |                | Ch 1513<br>1752.6 MHz  |                |
| WCDMA1700/<br>2100    | 2014-04-10 | 40.2                   | 1.32           | 40.1                   | 1.34           | 40.0                   | 1.36           |
| f<br>(MHz)            | Date       | Dielectric Parameters  |                |                        |                |                        |                |
|                       |            | Ch 20050<br>1720.0 MHz |                | Ch 20175<br>1732.5 MHz |                | Ch 20300<br>1745.0 MHz |                |
| LTE1700/<br>2100      | 2014-04-11 | 40.6                   | 1.32           | 40.5                   | 1.34           | 40.5                   | 1.35           |

(Head tissue simulant dielectric parameters used in the measurements table continues)

(Head tissue simulant dielectric parameters used in the measurements table continues)

| f<br>(MHz)             | Date       | Dielectric Parameters  |                |                        |                |                        |                |
|------------------------|------------|------------------------|----------------|------------------------|----------------|------------------------|----------------|
|                        |            | Ch 512<br>1850.2 MHz   |                | Ch 661<br>1880.0 MHz   |                | Ch 810<br>1909.8 MHz   |                |
|                        |            | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] |
| GSM/GPRS/<br>EGPRS1900 | 2014-04-08 | 38.8                   | 1.35           | 38.6                   | 1.38           | 38.5                   | 1.41           |
| f<br>(MHz)             | Date       | Dielectric Parameters  |                |                        |                |                        |                |
|                        |            | Ch 9262<br>1852.4 MHz  |                | Ch 9400<br>1880.0 MHz  |                | Ch 9538<br>1907.6 MHz  |                |
|                        |            | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] |
| WCDMA1900              | 2014-04-09 | 38.9                   | 1.35           | 38.8                   | 1.38           | 38.6                   | 1.40           |
| f<br>(MHz)             | Date       | Ch 18700<br>1860.0 MHz |                | Ch 18900<br>1880.0 MHz |                | Ch 19100<br>1900.0 MHz |                |
|                        |            | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] |
|                        |            | LTE1900                | 2014-04-09     | 38.8                   | 1.36           | 38.8                   | 1.38           |
| f<br>(MHz)             | Date       | Ch 1<br>2412.0 MHz     |                | Ch 6<br>2437.0 MHz     |                | Ch 11<br>2462.0 MHz    |                |
|                        |            | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] |
|                        |            | WLAN2450               | 2014-04-08     | 38.6                   | 1.77           | 38.4                   | 1.80           |
| f<br>(MHz)             | Date       | Dielectric Parameters  |                |                        |                |                        |                |
|                        |            | Ch 20850<br>2510.0 MHz |                | Ch 21100<br>2535.0 MHz |                | Ch 21350<br>2560.0 MHz |                |
|                        |            | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] |
| LTE2500                | 2014-04-14 | 37.7                   | 1.86           | 37.6                   | 1.89           | 37.5                   | 1.92           |

**Body tissue simulant dielectric parameters used in the measurements:**

| f<br>(MHz) | Date       | Ch 23780<br>709.0 MHz  |                | Ch 23790<br>710.0 MHz  |                | Ch 23800<br>711.0 MHz  |                |
|------------|------------|------------------------|----------------|------------------------|----------------|------------------------|----------------|
|            |            | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] |
| LTE700     | 2014-04-18 | 54.6                   | 0.92           | 54.6                   | 0.92           | 54.6                   | 0.92           |
| f<br>(MHz) | Date       | Dielectric Parameters  |                |                        |                |                        |                |
|            |            | Ch 128<br>824.2 MHz    |                | Ch 190<br>836.6 MHz    |                | Ch 251<br>848.8 MHz    |                |
| f<br>(MHz) | Date       | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] |
|            |            | GSM/GPRS/<br>EGPRS850  | 2014-04-16     | 53.5                   | 0.96           | 53.5                   | 0.97           |
|            | 2014-04-17 | 53.6                   | 0.97           | 53.6                   | 0.97           | 53.5                   | 0.98           |
| f<br>(MHz) | Date       | Dielectric Parameters  |                |                        |                |                        |                |
|            |            | Ch 4132<br>826.4 MHz   |                | Ch 4175<br>835.0 MHz   |                | Ch 4233<br>846.6 MHz   |                |
| f<br>(MHz) | Date       | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] |
|            |            | WCDMA850               | 2014-04-17     | 53.6                   | 0.97           | 53.6                   | 0.97           |
|            | 2014-04-21 | 53.3                   | 0.97           | 53.3                   | 0.98           | 53.2                   | 0.98           |
| F<br>(MHz) | Date       | Dielectric Parameters  |                |                        |                |                        |                |
|            |            | Ch 20450<br>829.0 MHz  |                | Ch 20525<br>836.5 MHz  |                | Ch 20600<br>844.0 MHz  |                |
| F<br>(MHz) | Date       | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] |
|            |            | LTE850                 | 2014-04-17     | 53.6                   | 0.97           | 53.6                   | 0.97           |
|            | 2014-04-18 | 53.4                   | 0.97           | 53.3                   | 0.97           | 53.3                   | 0.98           |
| f<br>(MHz) | Date       | Dielectric Parameters  |                |                        |                |                        |                |
|            |            | Ch 1312<br>1712.4 MHz  |                | Ch 1412<br>1732.4 MHz  |                | Ch 1513<br>1752.6 MHz  |                |
| f<br>(MHz) | Date       | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] |
|            |            | WCDMA1700/<br>2100     | 2014-04-16     | 53.2                   | 1.40           | 53.1                   | 1.42           |
| f<br>(MHz) | Date       | Dielectric Parameters  |                |                        |                |                        |                |
|            |            | Ch 20050<br>1720.0 MHz |                | Ch 20175<br>1732.5 MHz |                | Ch 20300<br>1745.0 MHz |                |
| f<br>(MHz) | Date       | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] |
|            |            | LTE1700/<br>2100       | 2014-04-16     | 53.1                   | 1.41           | 53.1                   | 1.42           |
|            | 2014-04-17 | 53.1                   | 1.42           | 53.0                   | 1.43           | 53.0                   | 1.44           |

(Body tissue simulant dielectric parameters used in the measurements table continues)



(Body tissue simulant dielectric parameters used in the measurements table continues)

| f<br>(MHz)             | Date       | Dielectric Parameters  |                |                        |                |                        |                |
|------------------------|------------|------------------------|----------------|------------------------|----------------|------------------------|----------------|
|                        |            | Ch 512<br>1850.2 MHz   |                | Ch 661<br>1880.0 MHz   |                | Ch 810<br>1909.8 MHz   |                |
|                        |            | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] |
| GSM/GPRS/<br>EGPRS1900 | 2014-04-12 | 52.4                   | 1.42           | 52.3                   | 1.45           | 52.2                   | 1.49           |
|                        | 2014-04-14 | 52.8                   | 1.43           | 52.7                   | 1.46           | 52.6                   | 1.49           |
| f<br>(MHz)             | Date       | Dielectric Parameters  |                |                        |                |                        |                |
|                        |            | Ch 9262<br>1852.4 MHz  |                | Ch 9400<br>1880.0 MHz  |                | Ch 9538<br>1907.6 MHz  |                |
|                        |            | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] |
| WCDMA1900              | 2014-04-12 | 52.4                   | 1.42           | 52.3                   | 1.45           | 52.2                   | 1.49           |
| f<br>(MHz)             | Date       | Ch 18700<br>1860.0 MHz |                | Ch 18900<br>1880.0 MHz |                | Ch 19100<br>1900.0 MHz |                |
|                        |            | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] |
|                        |            | LTE1900                | 2014-04-14     | 52.7                   | 1.43           | 52.7                   | 1.46           |
| 2014-04-15             | 52.2       |                        | 1.42           | 52.1                   | 1.44           | 52.1                   | 1.46           |
| 2014-04-24             | 52.3       |                        | 1.44           | 52.2                   | 1.46           | 52.2                   | 1.48           |
| f<br>(MHz)             | Date       | Ch 1<br>2412.0 MHz     |                | Ch 6<br>2437.0 MHz     |                | Ch 11<br>2462.0 MHz    |                |
|                        |            | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] |
|                        |            | WLAN2450               | 2014-04-10     | 53.2                   | 1.84           | 53.1                   | 1.87           |
| 2014-04-11             | 53.5       |                        | 1.85           | 53.5                   | 1.88           | 53.4                   | 1.91           |
| f<br>(MHz)             | Date       | Dielectric Parameters  |                |                        |                |                        |                |
|                        |            | Ch 20850<br>2510.0 MHz |                | Ch 21100<br>2535.0 MHz |                | Ch 21350<br>2560.0 MHz |                |
|                        |            | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] | $\epsilon_r$           | $\sigma$ [S/m] |
| LTE2500                | 2014-04-15 | 53.3                   | 1.97           | 53.2                   | 2.00           | 53.2                   | 2.03           |
|                        | 2014-04-16 | 53.4                   | 1.97           | 53.3                   | 2.00           | 53.3                   | 2.03           |

**APPENDIX D: CONDUCTED AVERAGE POWER MEASUREMENTS FOR WCDMA AND HSUPA**

Type: RM-975; Serial: 004402/47/804000/3, HW: 2020, SW: 01061.00014.14112.00000

**D.1. WCDMA850 (Band 5) Test results**

**Average power**

| Ch / f(MHz)  | P [dBm]   |           |
|--------------|-----------|-----------|
|              | Antenna 1 | Antenna 2 |
| 4132 / 826.4 | 23.3      | 23.1      |
| 4175 / 835.0 | 23.3      | 23.1      |
| 4233 / 846.6 | 23.4      | 23.2      |

**D.2. HSUPA850 Test results**

**Average power**

| Ch / f(MHz) | P [dBm]        |                |                |                |                |
|-------------|----------------|----------------|----------------|----------------|----------------|
|             | Antenna 1      |                |                |                |                |
|             | Subtest mode 1 | Subtest mode 2 | Subtest mode 3 | Subtest mode 4 | Subtest mode 5 |
| 4132        | 22.2           | 21.2           | 21.0           | 21.9           | 22.4           |
| 4175        | 21.7           | 21.3           | 20.9           | 21.9           | 22.3           |
| 4233        | 21.7           | 21.4           | 21.0           | 21.8           | 22.3           |

| Ch / f(MHz) | P [dBm]        |                |                |                |                |
|-------------|----------------|----------------|----------------|----------------|----------------|
|             | Antenna 2      |                |                |                |                |
|             | Subtest mode 1 | Subtest mode 2 | Subtest mode 3 | Subtest mode 4 | Subtest mode 5 |
| 4132        | 22.0           | 21.0           | 20.8           | 21.7           | 22.2           |
| 4175        | 21.5           | 21.1           | 20.7           | 21.7           | 22.1           |
| 4233        | 21.5           | 21.2           | 20.8           | 21.6           | 22.1           |

Note: In HSUPA operation, the output power is reduced relative to the tuning target power for WCDMA. This device runs a single HSUPA power control routine: MPR, and additional 1dB reduction to ensure PA linearity. As a result, the MPR for each of the Subtest modes is as follows:

| Maximum Power Reduction (MPR) |                |                |                |                |
|-------------------------------|----------------|----------------|----------------|----------------|
| Antenna 1                     |                |                |                |                |
| Subtest mode 1                | Subtest mode 2 | Subtest mode 3 | Subtest mode 4 | Subtest mode 5 |
| 0.0dB                         | 2.0dB          | 1.0dB          | 2.0dB          | 0.0dB          |

| Maximum Power Reduction (MPR) |                |                |                |                |
|-------------------------------|----------------|----------------|----------------|----------------|
| Antenna 2                     |                |                |                |                |
| Subtest mode 1                | Subtest mode 2 | Subtest mode 3 | Subtest mode 4 | Subtest mode 5 |
| 0.0dB                         | 2.0dB          | 1.0dB          | 2.0dB          | 0.0dB          |

Type: RM-975; Serial: 004402/47/804009/4, HW: 2020, SW: 01061.00014.14112.00000

### D.3. WCDMA1700/2100 (Band 4) Test results

#### Average power

| Ch / f(MHz)   | P [dBm]   |           |
|---------------|-----------|-----------|
|               | Antenna 1 | Antenna 2 |
| 1312 / 1712.4 | 23.4      | 22.9      |
| 1412 / 1732.4 | 23.6      | 23.1      |
| 1513 / 1752.6 | 23.6      | 23.1      |

### D.4. HSUPA1700/2100 Test results

#### Average power

| Ch / f(MHz)   | P [dBm]        |                |                |                |                |
|---------------|----------------|----------------|----------------|----------------|----------------|
|               | Antenna 1      |                |                |                |                |
|               | Subtest mode 1 | Subtest mode 2 | Subtest mode 3 | Subtest mode 4 | Subtest mode 5 |
| 1312 / 1712.4 | 22.0           | 21.5           | 21.3           | 21.9           | 22.5           |
| 1412 / 1732.4 | 21.9           | 21.6           | 20.8           | 22.1           | 22.5           |
| 1513 / 1752.6 | 22.0           | 21.5           | 21.4           | 22.0           | 22.6           |

| Ch / f(MHz)   | P [dBm]        |                |                |                |                |
|---------------|----------------|----------------|----------------|----------------|----------------|
|               | Antenna 2      |                |                |                |                |
|               | Subtest mode 1 | Subtest mode 2 | Subtest mode 3 | Subtest mode 4 | Subtest mode 5 |
| 1312 / 1712.4 | 21.5           | 21.0           | 20.8           | 21.4           | 22.0           |
| 1412 / 1732.4 | 21.4           | 21.1           | 20.3           | 21.6           | 22.0           |
| 1513 / 1752.6 | 21.5           | 21.0           | 20.9           | 21.5           | 22.1           |

Note: In HSUPA operation, the output power is reduced relative to the tuning target power for WCDMA. This device runs a single HSUPA power control routine: MPR, and additional 1dB reduction to ensure PA linearity. As a result, the MPR for each of the Subtest modes is as follows:

| Maximum Power Reduction (MPR) |                |                |                |                |
|-------------------------------|----------------|----------------|----------------|----------------|
| Antenna 1                     |                |                |                |                |
| Subtest mode 1                | Subtest mode 2 | Subtest mode 3 | Subtest mode 4 | Subtest mode 5 |
| 0.0dB                         | 2.0dB          | 1.0dB          | 2.0dB          | 0.0dB          |

| Maximum Power Reduction (MPR) |                |                |                |                |
|-------------------------------|----------------|----------------|----------------|----------------|
| Antenna 2                     |                |                |                |                |
| Subtest mode 1                | Subtest mode 2 | Subtest mode 3 | Subtest mode 4 | Subtest mode 5 |
| 0.0dB                         | 2.0dB          | 1.0dB          | 2.0dB          | 0.0dB          |

Type: RM-975; Serial: 004402/47/804009/4, HW: 2020, SW: 01061.00014.14112.00000

**D.5. WCDMA1900 (Band 2) Test results**

**Average power**

| Ch / f(MHz)   | P [dBm]   |           |
|---------------|-----------|-----------|
|               | Antenna 1 | Antenna 2 |
| 9262 / 1852.4 | 23.4      | 22.9      |
| 9400 / 1880.0 | 23.6      | 23.1      |
| 9538 / 1907.6 | 23.6      | 23.1      |

**D.6. HSUPA1900 Test results**

**Average power**

| Ch / f(MHz)   | P [dBm]        |                |                |                |                |
|---------------|----------------|----------------|----------------|----------------|----------------|
|               | Antenna 1      |                |                |                |                |
|               | Subtest mode 1 | Subtest mode 2 | Subtest mode 3 | Subtest mode 4 | Subtest mode 5 |
| 9262 / 1852.4 | 22.0           | 21.5           | 21.3           | 21.9           | 22.5           |
| 9400 / 1880.0 | 21.9           | 21.6           | 20.8           | 22.1           | 22.5           |
| 9538 / 1907.6 | 22.0           | 21.5           | 21.4           | 22.0           | 22.6           |

| Ch / f(MHz)   | P [dBm]        |                |                |                |                |
|---------------|----------------|----------------|----------------|----------------|----------------|
|               | Antenna 2      |                |                |                |                |
|               | Subtest mode 1 | Subtest mode 2 | Subtest mode 3 | Subtest mode 4 | Subtest mode 5 |
| 9262 / 1852.4 | 21.5           | 21.0           | 20.8           | 21.4           | 22.0           |
| 9400 / 1880.0 | 21.4           | 21.1           | 20.3           | 21.6           | 22.0           |
| 9538 / 1907.6 | 21.5           | 21.0           | 20.9           | 21.5           | 22.1           |

Note: In HSUPA operation, the output power is reduced relative to the tuning target power for WCDMA. This device runs a single HSUPA power control routine: MPR, and additional 1dB reduction to ensure PA linearity. As a result, the MPR for each of the Subtest modes is as follows:

| Maximum Power Reduction (MPR) |                |                |                |                |
|-------------------------------|----------------|----------------|----------------|----------------|
| Antenna 1                     |                |                |                |                |
| Subtest mode 1                | Subtest mode 2 | Subtest mode 3 | Subtest mode 4 | Subtest mode 5 |
| 0.0dB                         | 2.0dB          | 1.0dB          | 2.0dB          | 0.0dB          |

| Maximum Power Reduction (MPR) |                |                |                |                |
|-------------------------------|----------------|----------------|----------------|----------------|
| Antenna 2                     |                |                |                |                |
| Subtest mode 1                | Subtest mode 2 | Subtest mode 3 | Subtest mode 4 | Subtest mode 5 |
| 0.0dB                         | 2.0dB          | 1.0dB          | 2.0dB          | 0.0dB          |